Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	2AHKM-CODA5834
Equipment	:	DOCSIS 3.1 Wi-Fi 6E Tri-Band EMTA Gateway
Brand Name	:	Hitron
Model Name	:	CODA5X3X (Please refer to section 1.1.5 of the test report for detailed information.)
Applicant	:	Hitron Technologies Inc. No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park, Hsinchu 30078, Taiwan
Manufacturer	:	Hitron Technologies Inc. No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park, Hsinchu 30078, Taiwan
Standard	:	47 CFR FCC Part 15.407

The product was received on May 05, 2022, and testing was started from Aug. 20, 2022 and completed on Dec. 01, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 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. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR250531AC	01	Initial issue of report	Dec. 21, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Equivalent Isotopically Radiated Power (E.I.R.P.)	PASS	-
3.4	15.407(a)	Peak Power Spectral Density (E.I.R.P.)	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-
3.6	15.407(d)	Contention-Based Protocol	PASS	-
3.7	15.407(g)	Frequency Stability	PASS	-

Declaration of Conformity:
1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results. 2. The measurement uncertainty please refer to report "Measurement Uncertainty".
Comments and Explanations:
1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer. 2. 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 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-7125	ax (HEW20)	6115-7115	33-233 [51]
5925-7125	ax (HEW40)	6125-7085	35-227 [25]
5925-7125	ax (HEW80)	6145-7025	39-215 [12]
5925-7125	ax (HEW160)	6185-6985	47-207 [6]

Band	Mode	BWch (MHz)	Nant
UNII 5-8	ax (HEW20)	20	4TX
UNII 5-8	ax (HEW20)-BF	20	4TX
UNII 5-8	ax (HEW40)	40	4TX
UNII 5-8	ax (HEW40)-BF	40	4TX
UNII 5-8	ax (HEW80)	80	4TX
UNII 5-8	ax (HEW80)-BF	80	4TX
UNII 5-8	ax (HEW160)	160	4TX
UNII 5-8	ax (HEW160)-BF	160	4TX

Note:
- HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	SPEED	S-D5-49-6003-004-00	Dipole	I-PEX	Note
2	2	SPEED	S-D5-49-6003-003-00	Dipole	I-PEX	
3	3	SPEED	S-D5-49-6003-002-00	Dipole	I-PEX	
4	4	SPEED	S-D5-49-6003-001-00	Dipole	I-PEX	
5	1	SPEED	S-D5-49-6003-008-00	Dipole	I-PEX	
6	2	SPEED	S-D5-49-6003-007-00	Dipole	I-PEX	
7	3	SPEED	S-D5-49-6003-006-00	Dipole	I-PEX	
8	4	SPEED	S-D5-49-6003-005-00	Dipole	I-PEX	

Note

<Antenna Gain>

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
1	3.55	2.97	2.91	2.09	2.15
2	4.09	3.07	3.49	2.73	3.31
3	3.16	3.19	4	3.11	2.83
4	2.17	2.4	3.04	2.44	2.25

Frequency (MHz)	WLAN 6GHz Antenna Gain (dBi)			
	Ant.5	Ant.6	Ant.7	Ant.8
5925	4.4	5.8	5.3	3.1
6125	4.2	5.3	4.1	2.5
6225	5.0	5.6	4.8	2.9
6325	3.5	3.6	2.8	1.6
6425	3.7	5.1	4.6	3.2
6525	2.3	3.6	4.7	2.5
6625	3.4	5.9	5.4	3.8
6725	3.0	5.0	5.1	3.5
6875	4.1	5.8	5.6	3.2
6925	3.6	4.5	5.8	3.2
7125	3.8	5.0	5.3	3.1

< Directional Gain>

Item	Directional Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
4T1S	5.17	4.87	4.61	3.59	4
4T2S	4.09	3.19	4	3.11	3.31
4T4S	4.09	3.19	4	3.11	3.31

Note: The above information (except gain of Ant.1~4) was declared by manufacturer.
The antenna gain and directional gain of the 2.4GHz/5GHz are measured which follow the procedure of KDB 662911 D03.
For WLAN 2.4GHz function:
For 802.11b/g/n/VHT/ax (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For WLAN 5GHz function:
For 802.11a/n/ac/ax (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For 6GHz function:
For 802.11ax (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20	0.867	0.62	5.445m	300
802.11ax HEW20-BF	0.782	1.07	3.463m	300
802.11ax HEW40	0.864	0.63	5.445m	300
802.11ax HEW40-BF	0.792	1.01	3.438m	300
802.11ax HEW80	0.859	0.66	5.448m	300
802.11ax HEW80-BF	0.802	0.96	3.708m	300
802.11ax HEW160	0.916	0.38	5.445m	300
802.11ax HEW160-BF	0.873	0.59	3.914m	300

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for ax in 2.4GHz, n/ac/ax in 5GHz and ax in 6GHz.			
Device Type	☒	Indoor Access Point	☐	Subordinate
	☐	Indoor Client	☐	Standard Power Access Point
	☐	Dual Client	☐	Standard Client
	☐	Fixed Client		
Channel Puncturing Function	☐	Supported	☒	Unsupported
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	QSPR.exe Version 5.0-00197			
Software / Firmware Version for CBP	7.2.4.7.1b1			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	Description
CODA5X3X	CODA5X3X : The X in model name can be 0 to 9, A to Z or blank, for marketing purpose.

Note 1: From the above model: CODA5834 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.2 Applicable Standards

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

- 47 CFR FCC Part 15.407
- ANSI C63.10-2013
- FCC KDB 789033 D02 v02r01

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

- FCC KDB 987594 D02 v01r01
- FCC KDB 412172 D01 v01r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab.：Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Brian Sun	24.2-24.6 / 57-62	Aug. 23, 2022~ Nov. 07, 2022
Radiated<1GHz	03CH05-CB	Simmon Zheng	24.2-25.3 / 56-59	Nov. 30, 2022
Radiated>1GHz	03CH02-CB	Gordon Hung	23.8-24.9 / 55-58	Aug. 20, 2022~ Nov. 30, 2022
	03CH03-CB		22.5~23.9 / 57~62	
	03CH04-CB		24.4-25.5 / 55-58	
Radiated Co-location	03CH05-CB	Gordon Hung	24.2-25.3 / 56-59	Aug. 20, 2022~ Nov. 30, 2022
AC Conduction	CO02-CB	Joe Chu	23~24 / 56~57	Dec. 01, 2022
RF Conducted <Contention-Based Protocol test>	DF02-CB	Jeff Wu	22.4~23.7 / 55~60	Sep. 05, 2022~ Sep. 22, 2022

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_4TX	-
6115MHz	9
6255MHz	8.5
6415MHz	7
6435MHz	7
6475MHz	7.5
6515MHz	7.5
6535MHz	7
6695MHz	8
6855MHz	7
6875MHz Straddle 6.525-6.875GHz	7
6895MHz	7
6995MHz	7.5
7095MHz	7.5
7115MHz	6
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
6115MHz	14
6255MHz	14
6415MHz	13
6435MHz	12
6475MHz	13
6515MHz	14
6535MHz	13
6695MHz	14
6855MHz	12
6875MHz Straddle 6.525-6.875GHz	12
6895MHz	13
6995MHz	12
7095MHz	11
7115MHz	8
802.11ax HEW40_Nss1,(MCS0)_4TX	-
6125MHz	11.5
6245MHz	10.5
6405MHz	8
6445MHz	8.5

Mode	Power Setting
6485MHz	8
6525MHz Straddle 6.425-6.525GHz	8
6565MHz	8
6725MHz	8
6845MHz	9
6885MHz Straddle 6.525-6.875GHz	9
6925MHz	9
7005MHz	9.5
7085MHz	9
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
6125MHz	16
6245MHz	16
6405MHz	15
6445MHz	15
6485MHz	15
6525MHz Straddle 6.425-6.525GHz	15
6565MHz	16
6725MHz	15
6845MHz	16
6885MHz Straddle 6.525-6.875GHz	16
6925MHz	16
7005MHz	15
7085MHz	14
802.11ax HEW80_Nss1,(MCS0)_4TX	-
6145MHz	14
6225MHz	13.5
6385MHz	11.5
6465MHz	12
6545MHz Straddle 6.425-6.525GHz	12
6625MHz	11.5
6705MHz	12
6785MHz	11.5
6865MHz Straddle 6.525-6.875GHz	11.5
6945MHz	12
7025MHz	13
802.11ax HEW80_Nss4,(MCS0)_4TX	-
6145MHz	19
6225MHz	18
6385MHz	17

Mode	Power Setting
6465MHz	16
6545MHz Straddle 6.425-6.525GHz	17
6545MHz Straddle 6.525-6.875GHz	
6625MHz	16.5
6705MHz	16.5
6785MHz	17
6865MHz Straddle 6.525-6.875GHz	16.5
6865MHz Straddle 6.875-7.125GHz	
6945MHz	16.5
7025MHz	17
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
6145MHz	18
6225MHz	19
6385MHz	17
6465MHz	17
6545MHz Straddle 6.425-6.525GHz	17
6625MHz	17
6705MHz	17
6785MHz	17
6865MHz Straddle 6.525-6.875GHz	18
6945MHz	19
7025MHz	19
802.11ax HEW160_Nss1,(MCS0)_4TX	-
6185MHz	17
6345MHz	16
6505MHz Straddle 6.425-6.525GHz	16
6665MHz	15.5
6825MHz Straddle 6.525-6.875GHz	16
6985MHz	16.5
802.11ax HEW160_Nss4,(MCS0)_4TX	-
6185MHz	19.5
6345MHz	18
6505MHz Straddle 6.425-6.525GHz	18.5
6505MHz Straddle 6.525-6.875GHz	
6665MHz	19
6825MHz Straddle 6.525-6.875GHz	19.5
6825MHz Straddle 6.875-7.125GHz	
6985MHz	19
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-

Mode	Power Setting
6185MHz	22
6345MHz	20
6505MHz Straddle 6.425-6.525GHz	21
6665MHz	20
6825MHz Straddle 6.525-6.875GHz	23
6985MHz	23

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT + Adapter

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Contention Based Protocol Frequency Stability
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Peak Power Spectral Density (E.I.R.P.)
Test Condition	Radiated measurement
	After evaluating, the worst axis was found as below. So the measurement will follow this same test configuration.
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
After evaluating, the worst axis was found as below. So the measurement will follow this same test configuration.	
1	EUT in Z axis + Adapter
Operating Mode > 1GHz	CTX
After evaluating, the worst axis was found as below. So the measurement will follow this same test configuration.	
1	EUT in Y axis + Adapter

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission MASK
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz
Refer to Sporton Test Report No.: FA250531 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
Equipment Name	**Brand Name**	**Model Name**	**Rating**	**DC cable**
Adapter	Frecom	F60X-120450SPA	INPUT: 100-240~50/60Hz, 1.6A OUTPUT: 12.0V, 4.5A, 54.0W	Non-shielding, 1.5m
Others				
Power cable*1: Non-shielding, 1.2m RJ-45 cable*1: Non-shielding, 1.5m				

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	2.5G WAN NB	DELL	E6430	N/A
B	Phone 1	SAMPO	HT-B 907WL	N/A
C	Phone 2	SAMPO	HT-B 907WL	N/A
D	CO	Jinghong	JH-HE3416B	N/A
F	2.4G NB	DELL	E6430	N/A
G	5G NB	DELL	E6430	N/A
H	1G LAN NB	DELL	E6430	N/A
I	6G NB	DELL	E6430	N/A
J	CO NB	lenov	7458	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Terminal System	Jinghong	JH-HE3416B	N/A
B	Notebook(6G WIFI)	DELL	E4300	N/A
C	Notebook(2.4G WIFI)	DELL	E4300	N/A
D	Notebook(5G WIFI)	DELL	E4300	N/A
E	Notebook	DELL	E4300	N/A
F	Phone	SAMPO	HT-B 907WL	N/A
G	Phone	SAMPO	HT-B 907WL	N/A
H	WAN Notebook	DELL	E4300	N/A
I	LAN Notebook	DELL	E4300	N/A

For RF Conducted <Contention-Based Protocol test>

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	WLAN module	Intel	AX210NGW	PD9AX210NG

For RF Conducted and Radiated (above 1GHz / Non-Beamforming mode):

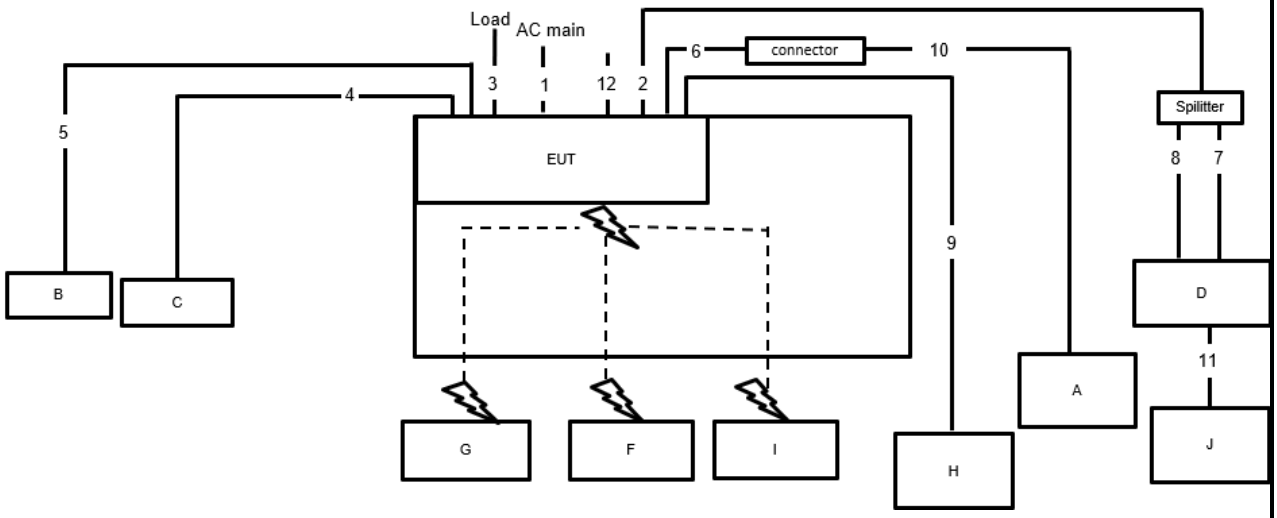
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A

For Radiated (above 1GHz / Beamforming mode):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	Client	Hitron	CODA5834	2AHKM-CODA5834

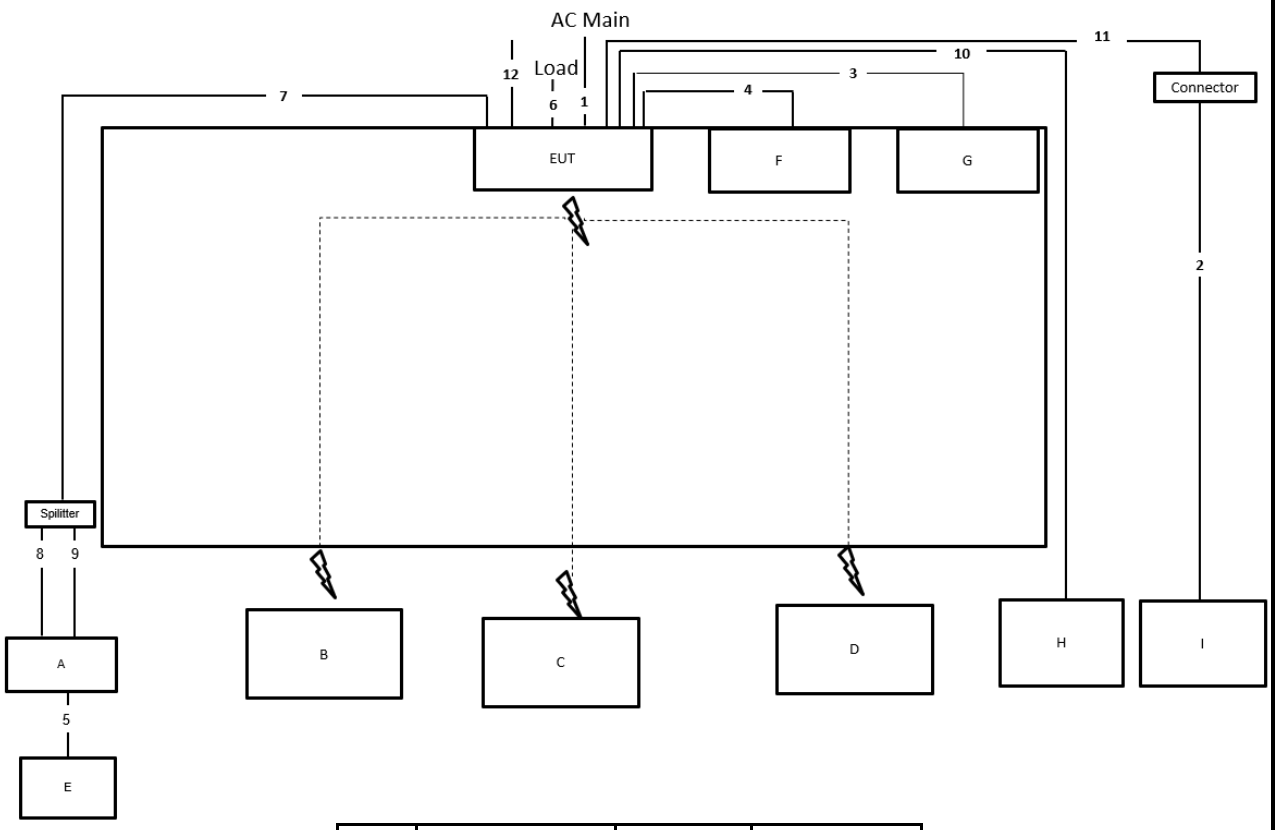
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



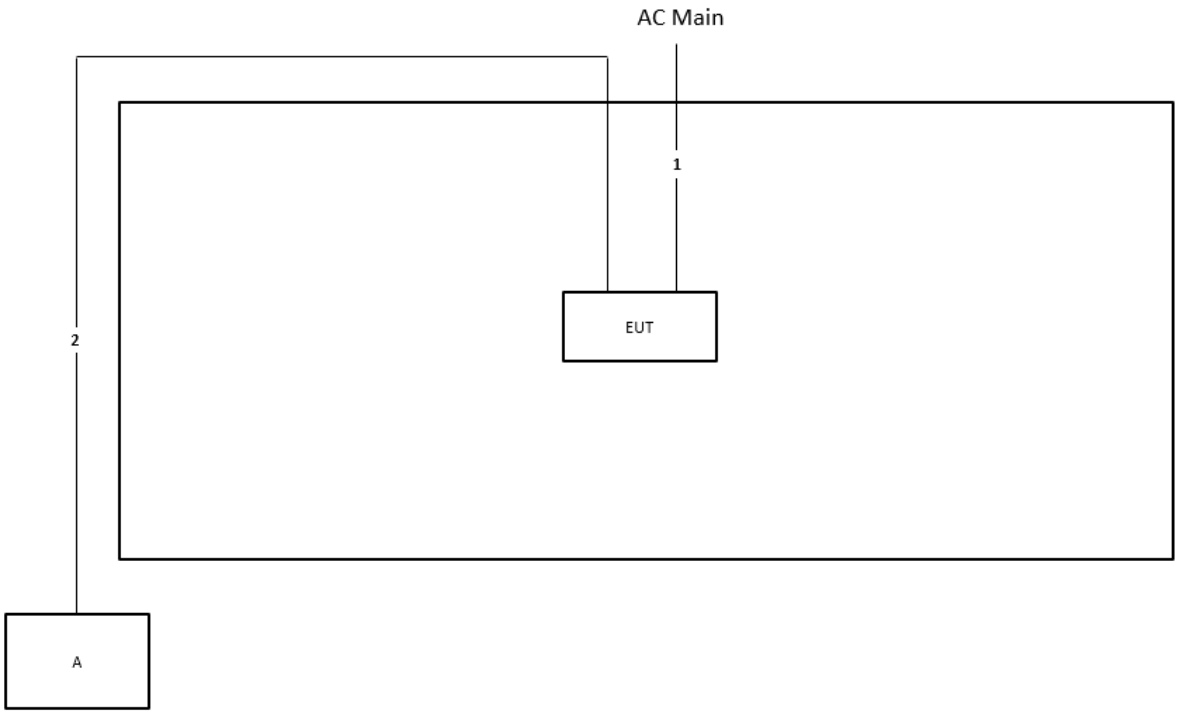
Item	Connection	Shielded	Length
1	Power cable	No	2.7m
2	Coaxial cable	Yes	10m
3	RJ-45 cable	No	1.5m
4	RJ-11 cable	No	10m
5	RJ-11 cable	No	10m
6	RJ-45 cable	No	1.5m
7	Coaxial cable	Yes	1m
8	Coaxial cable	Yes	1m
9	RJ-45 cable	No	10m
10	RJ-45 cable	No	10m
11	RJ-45 cable	No	1m
12	Cable	No	1m

Test Setup Diagram - Radiated Test < 1GHz



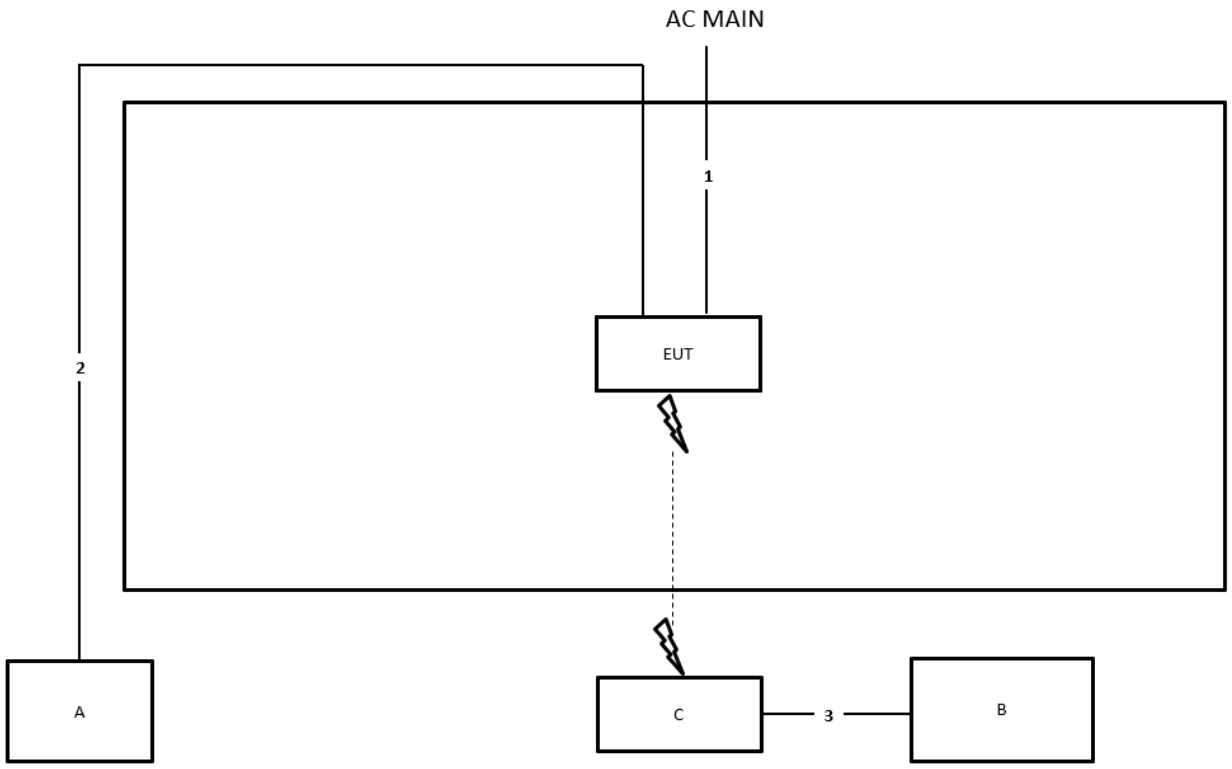
Item	Connection	Shielded	Length
1	Power cable	No	2.7m
2	RJ-45 cable	No	10m
3	RJ-11 cable	No	1.5m
4	RJ-11 cable	No	1.5m
5	RJ-45 cable	No	1.5m
6	RJ-45 cable	No	1.5m
7	Coaxial cable	Yes	10m
8	Coaxial cable	Yes	1m
9	Coaxial cable	Yes	1m
10	RJ-45 cable	No	10m
11	RJ-45 cable	No	1.5m
12	cable	No	1m

Test Setup Diagram - Radiated Test > 1GHz Non-Beamforming mode



Item	Connection	Shielded	Length
1	Power cable	No	2.7m
2	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz Beamforming mode



Item	Connection	Shielded	Length
1	Power cable	No	2.7m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

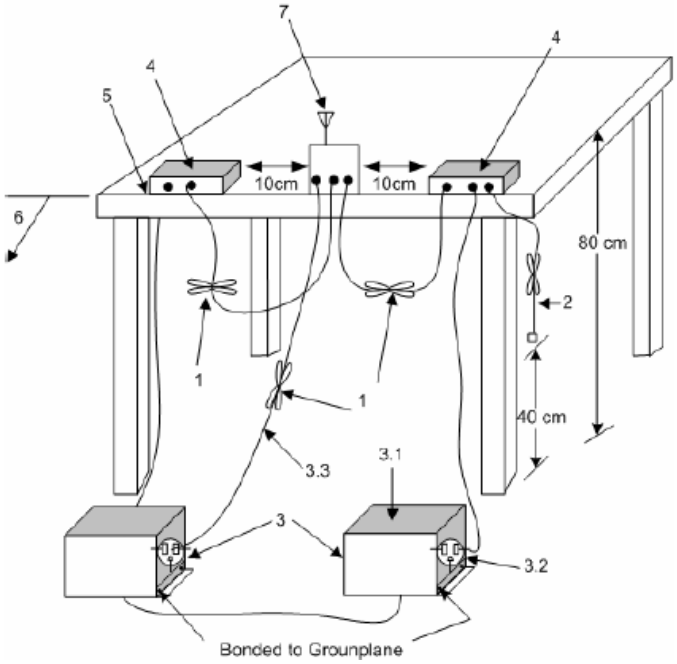
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading (dBuV) = LISN Factor + Cable Loss + Read Level = Level

b. Margin = - Limit + (Read Level + LISN Factor + Cable Loss)

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit
UNII Devices
☒ For the 5925-6425 GHz band, N/A
☒ For the 6425-6525 GHz band, N/A
☒ For the 6525-6875 GHz band, N/A
☒ For the 6875-7125 GHz band, N/A
RLAN Devices
☐ For the 5925-6425 GHz band, N/A
☐ For the 6425-6525 GHz band, N/A
☐ For the 6525-6875 GHz band, N/A
☐ For the 6875-7125 GHz band, N/A

3.2.2 Measuring Instruments

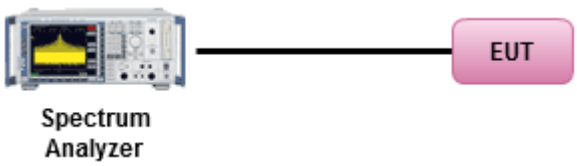
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
	☒ According to FCC KDB 987594 D02 clause II.C, measurement procedure shall refer to FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
	☐ Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Equivalent Isotopically Radiated Power (E.I.R.P.)

3.3.1 Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Limit

Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Limit	
UNII Devices	
☒	For the 5.925 ~ 6.425 GHz band:
	▪ For standard power access point and fixed client device : e.i.r.p < 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
	▪ For indoor access point : e.i.r.p < 30 dBm.
	▪ For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.
	▪ For client device control of a standard power access point : e.i.r.p < 30 dBm.
	▪ For client device control of an indoor access point : e.i.r.p < 24 dBm.
☒	For the 6.425 ~ 6.525 GHz band:
	▪ For indoor access point : e.i.r.p < 30 dBm.
	▪ For client device control of an indoor access point : e.i.r.p < 24 dBm.
☒	For the 6.525 ~ 6.875 GHz band:
	▪ For standard power access point and fixed client device : e.i.r.p < 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
	▪ For indoor access point : e.i.r.p < 30 dBm.
	▪ For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.
	▪ For client device control of a standard power access point : e.i.r.p < 30 dBm.
	▪ For client device control of an indoor access point : e.i.r.p < 24 dBm.
☒	For the 6.875 ~ 7.125 GHz band:
	▪ For indoor access point : e.i.r.p < 30 dBm.
	▪ For client device control of an indoor access point : e.i.r.p < 24 dBm.
RLAN Devices	
☐	For the 5.925 ~ 7.125 GHz band:
	▪ For RLAN devices(Indoor) other than client devices < 30 dBm / occupied bandwidth.
	▪ For client devices(Indoor) < 24 dBm / occupied bandwidth.

3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
▪ According to FCC KDB 987594 D02 clause II.E, the test measurement procedure shall refer to KDB 789033.	
	Average over on/off periods with duty factor
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). Spectrum analyzer setting: RBW/VBW : 1/3MHz ; Detector : RMS ; Trace mode : Average ; Sweep Count 100.
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☐ Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
☐ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
☒ For radiated measurement.	
	▪ Refer as FCC KDB 789033 D02 clause II A.1.F ”Antenna-port Conducted versus Radiated Testing”
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

Note :
The test is the final test result, It includes antenna /cable loss factor & FSL factor.
The EIRP calculation refer to "KDB 412172 D01 Determining ERP and EIRP v01r01"
EIRP Formula :

EIRP(dBm) = PR(dBm) + LP(FSL factor)

where;
PR(dBm) : Power measurement level include antenna/cable loss
LP : Free Space Loss(dB)

PR Formula :
PR(dBm) = P Meas(dBm) – GR(dBi) + LC(dB)
where;
P Meas(dBm) : Power measurement level
GR(dBi) : Gain of the receive(measurement) antenna (dBi)
LC(dB) : Measurement cable loss (dB)

LP(FSL factor) Formula :
LP(dB)= 20 logF + 20 logD-27.54
where;
F(MHz) : EUT center frequency
D(m) : Measurement distance

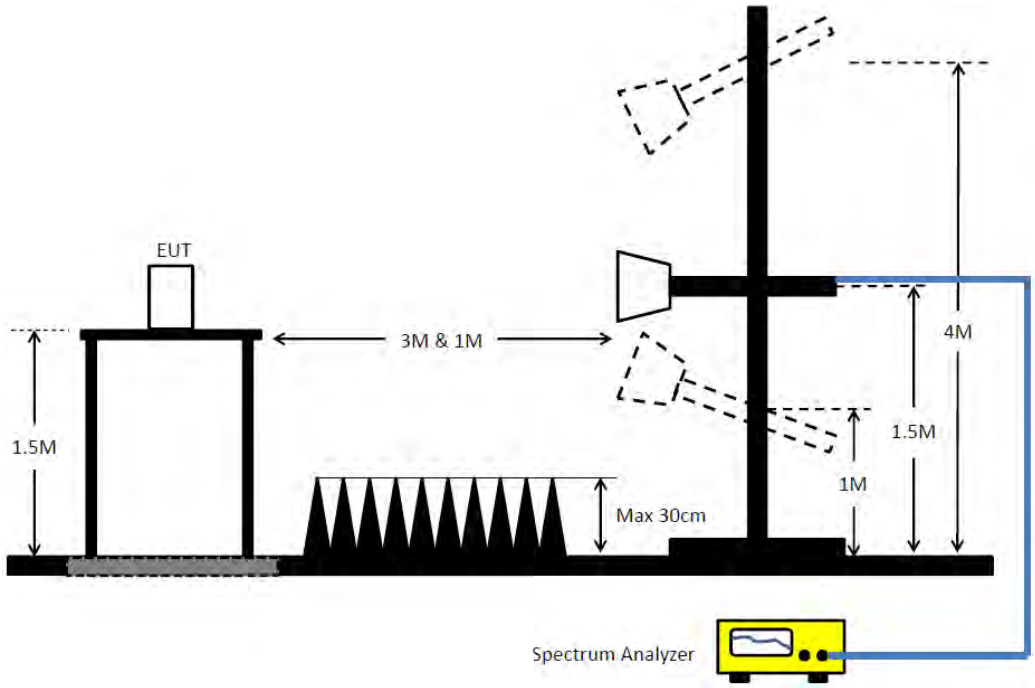
For Example:
Test mode HE20 Non BF 4T1S 6115MHz EIRP measurement
PR Formula :
PR(dBm)= -36.99 – 13.31 + 6.12 = -44.18

LP(FSL factor) Formula :
LP(dB) = 20log(5955) + 20log(3) -27.5= 57.77

EIRP Formula :
EIRP(dBm) = -44.18 + 57.77 = 13.59

3.3.4 Test Setup

Radiated Measurement



3.3.5 Test Result of Maximum Equivalent Isotopically Radiated Power (E.I.R.P)

Refer as Appendix C

3.4 Peak Power Spectral Density (E.I.R.P.)

3.4.1 Peak Power Spectral Density (E.I.R.P.) Limit

Peak Power Spectral Density (E.I.R.P.) Limit	
UNII Devices	
☒	For the 5.925 ~ 6.425 GHz band:
	▪ For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
	▪ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	▪ For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	▪ For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
	▪ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
☒	For the 6.425 ~ 6.525 GHz band:
	▪ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	▪ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
☒	For the 6.525 ~ 6.875 GHz band:
	▪ For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
	▪ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	▪ For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	▪ For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
	▪ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
☒	For the 6.875 ~ 7.125 GHz band:
	▪ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	▪ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
RLAN Devices	
☐	For the 5.925 ~ 7.125 GHz band:
	▪ For RLAN devices(Indoor) other than client devices < 5 dBm / MHz.
	▪ For client devices(Indoor) < -1 dBm / MHz.

3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
▪ According to FCC KDB 987594 D02 clause II.F, the measurement procedure shall refer to KDB 789033. Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
	☐ Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
	[duty cycle ≥ 98% or external video / power trigger]
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
☐ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below:
	☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
	☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
	☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$
☒ For radiated measurement.	
	▪ Refer as FCC KDB 789033 D02 clause II A.1.F ”Antenna-port Conducted versus Radiated Testing”
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.

Test Method	
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

Note :
The test is the final test result, It includes antenna /cable loss factor & FSL factor.
The EIRP PSD calculation refer to "KDB 412172 D01 Determining ERP and EIRP v01r01"
EIRP PSD Formula :
EIRP PSD(dBm/MHz) = PR(dBm/MHz) + LP(FSL factor)
where;
PR(dBm/MHz) : Power measurement level include antenna/cable loss
LP : Free Space Loss(dB)

PR Formula :
PR(dBm/MHz) = P Meas(dBm/MHz) – GR(dBi) + LC(dB)
where;
P Meas(dBm/MHz) : PSD measurement level
GR(dBi) : Gain of the receive(measurement) antenna (dBi)
LC(dB) : Measurement cable loss (dB)

LP(FSL factor) Formula :
LP(dB)= 20 logF + 20 logD-27.54
where;
F(MHz) : EUT center frequency
D(m) : Measurement distance

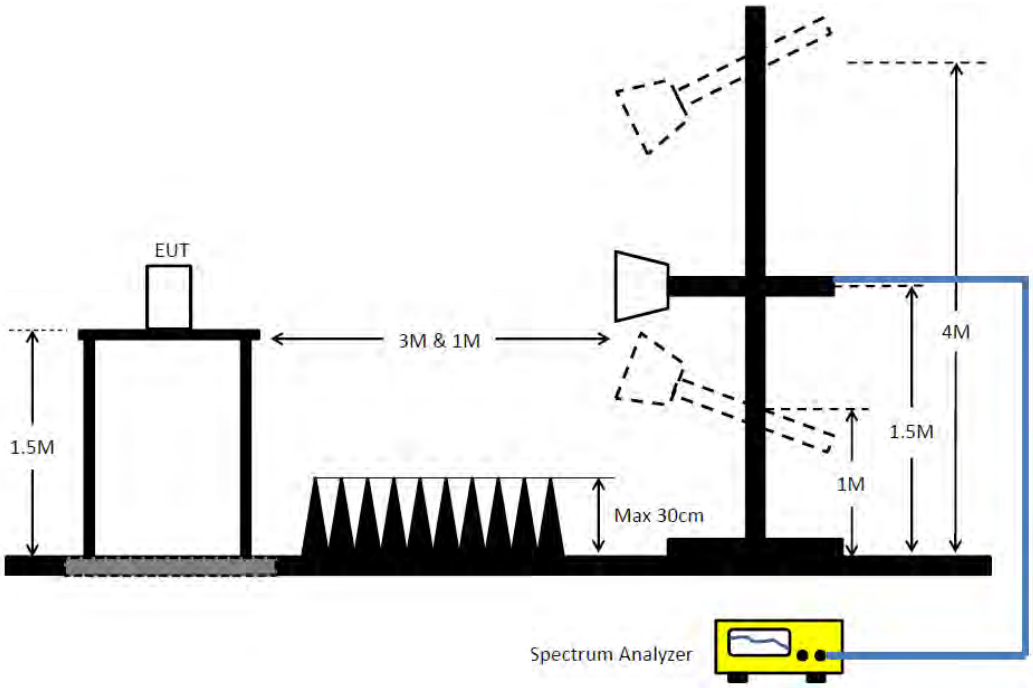
For Example:
Test mode HE20 Non BF 4T1S 6115MHz EIRP PSD measurement
PR Formula :
PR(dBm/MHz)= -46.52 – 11.81 + 5.55 = -52.78

LP(FSL factor) Formula :
LP(dB) = 20log(5953.5) + 20log(3) -27.5 = 57.76

EIRP PSD Formula
EIRP PSD(dBm/MHz) = -52.78 + 57.76 = 4.98

3.4.4 Test Setup

Radiated Measurement



3.4.5 Test Result of Peak Power Spectral Density (E.I.R.P.)

Refer as Appendix D

3.5 Unwanted Emissions

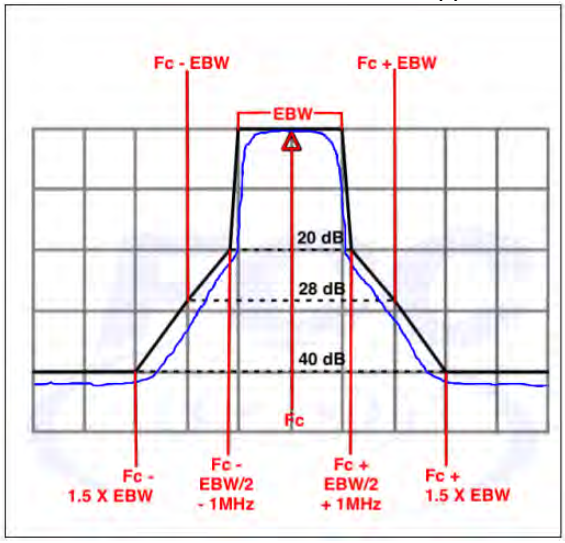
3.5.1 Transmitter Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m(20 x log (standard distance/ test distance) = 20log(3/1) = 9.54dB.
EX. Above 18GHz emission limit calculation (3m to 1m) = 54dBuV/m at 3m + 9.54dB = 63.54 dBuV/m at 1m.

Un-restricted band emissions above 1GHz Limit	
Frequency	**Limit**
Any outside the 5.945 – 7.125 GHz emission	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
	Note 1: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m(20 x log (standard distance/ test distance) = 20log(3/1) = 9.54dB. EX. Above 18GHz emission limit calculation (3m to 1m) = 68.2dBuV/m at 3m + 9.54dB = 77.74 dBuV/m at 1m. Note 2:-27 dBm EIRP OOBE is measured RMS which is a deviation from the current 15E rules for 5 GHz bands. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.
Frequency	**Emission MASK Limit**
5.945 – 7.125 GHz	Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB. 

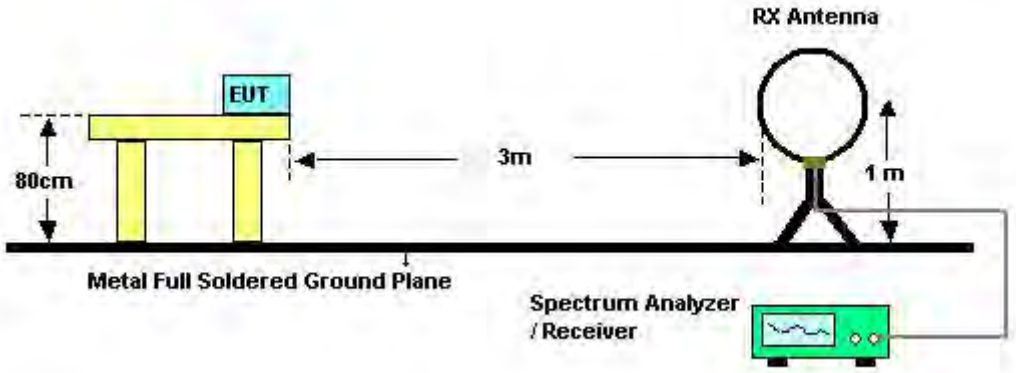
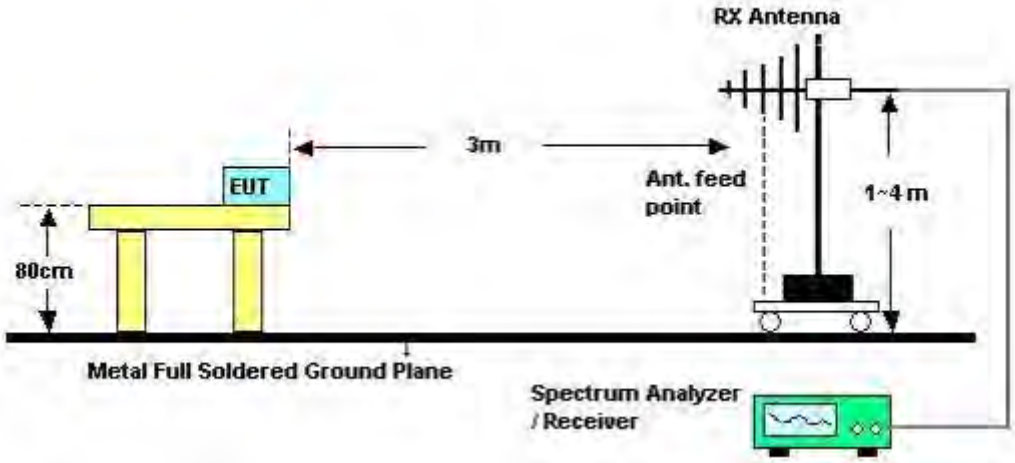
3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

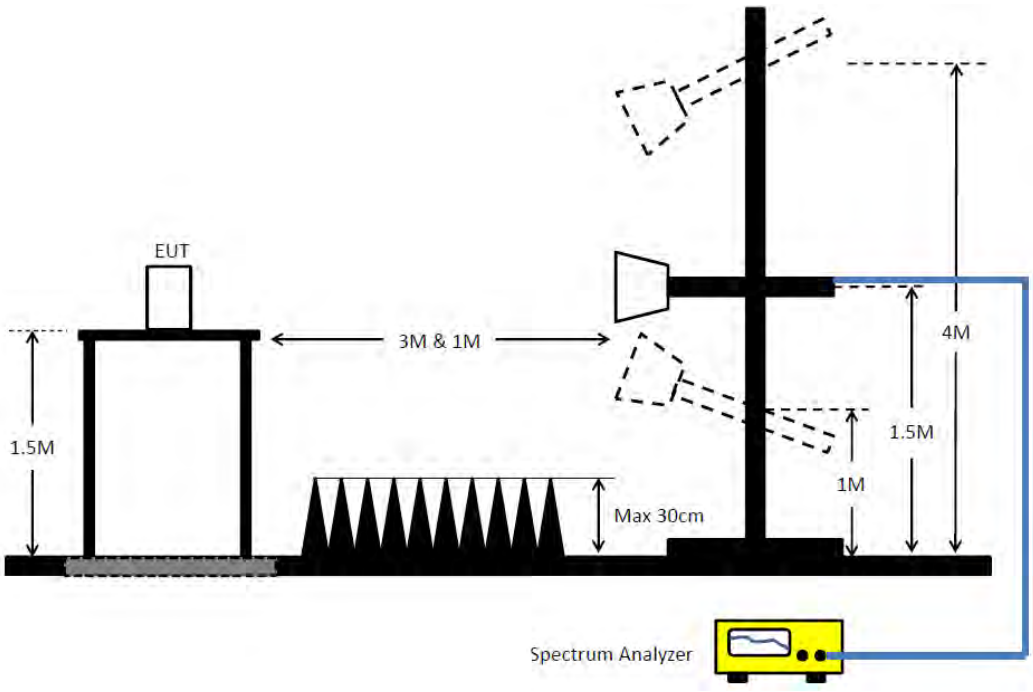
3.5.3 Test Procedures

Test Method			
▪ According to FCC KDB 987594 D02 II.G. the unwanted emission measurement procedure shall refer to KDB 789300(except emission MASK). Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.		
	▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.		
		☒	Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging). (For unrestricted band measurement)
		☐	Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
		☒	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.(For restricted band average measurement)
		☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒	Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
		☐	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
	▪ Refer as FCC KDB 789033 D02, clause G)3)d)ii) for Band edge Integration measurements.		
▪ For emission MASK shall be measured using following options below:			
		☒	Refer as FCC KDB 987594 D02, J) In-Band Emissions
▪ For radiated measurement.			
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.		
▪ The any unwanted emissions level shall not exceed the fundamental emission level.			
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.			

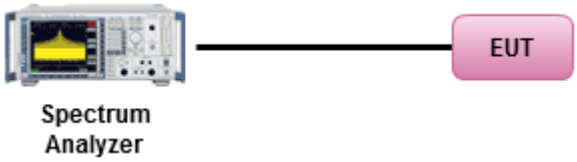
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



Emission MASK



3.5.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Contention Based Protocol

3.6.1 Contention Based Protocol Limit

EUT can detect an AWGN signal with 90% (or better) level of certainty.

3.6.2 Measuring Instruments

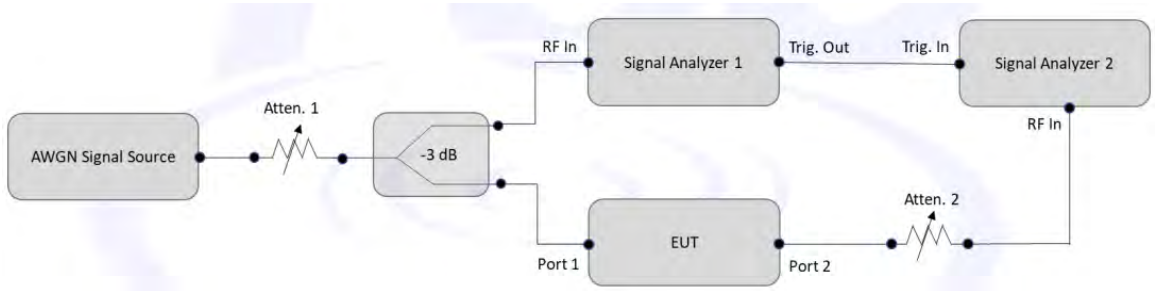
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
▪	For Contention Based Protocol shall be measured using following options below:
☒	Refer as FCC KDB 987594 D02, I) In-Band Emissions

3.6.4 Test Setup

Contention Based Protocol



3.6.5 Test Result of Contention Based Protocol

Refer as Appendix F

3.7 Frequency Stability

3.7.1 Frequency Stability Limit

Frequency Stability Limit
▪ In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

3.7.2 Measuring Instruments

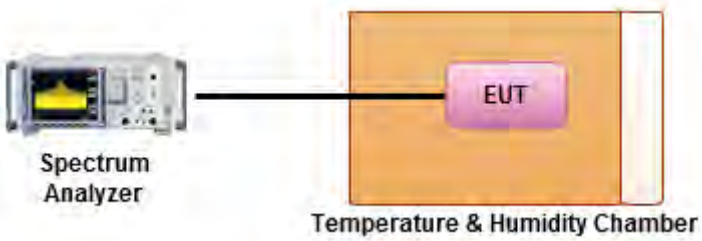
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method	
▪ Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
	▪ Frequency stability with respect to ambient temperature
	▪ Frequency stability when varying supply voltage
	▪ Extreme temperature is -30°C~50°C.

3.7.4 Test Setup

Frequency Stability



3.7.5 Test Result of Frequency Stability

Refer as Appendix G

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Jan. 07, 2022	Jan. 06, 2023	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 22, 2021	Dec. 21, 2022	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 06, 2022	May 05, 2023	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 03, 2022	Aug. 02, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 06, 2022	Nov. 05, 2023	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 23, 2022	Jun. 22, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 05, 2022	Jul. 04, 2023	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH05-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 05, 2022	Jul. 04, 2023	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSP	100593	9kHz~40GHz	Apr. 08, 2022	Apr. 07, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 05, 2022	May 04, 2023	Radiation (03CH03-CB)
Horn Antenna	ETS·Lindgren	3115	6821	750MHz~18GHz	Jan. 21, 2022	Jan. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 05, 2022	Jul. 04, 2023	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 10, 2022	Jun. 09, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS·Lindgren	3115	00143147	750MHz~18GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	ETS·Lindgren	3115	00143147	750MHz~18GHz	Oct. 12, 2022	Oct. 11, 2023	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 05, 2022	Jul. 04, 2023	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH04-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 07, 2022	Jan. 06, 2023	Conducted (TH03-CB)
Temp. and Humidity Chamber	Gaint Force	GTH-408-40-CP-AR	MAA1410-011	-40~100 degree	Sep. 02, 2022	Sep. 01, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1728002	300MHz~40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)
Spectrum Analyzer	R&S	FSV40	101025	9kHz ~ 40GHz	Nov. 06, 2021	Nov. 05, 2022	Conducted (DF02-CB)
Vector Signal generator	R&S	SMW200A	109426	100kHz- 7.5GHz	Dec. 28, 2021	Dec. 27, 2022	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -07	1GHz ~ 8GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -08	1GHz ~ 8GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-61	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-62	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-63	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-66	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (DF02-CB)
100MS/s Digitizer	N.I	USB-5133	F65206	N/A	Nov. 25, 2021	Nov. 24, 2022	Conducted (DF02-CB)

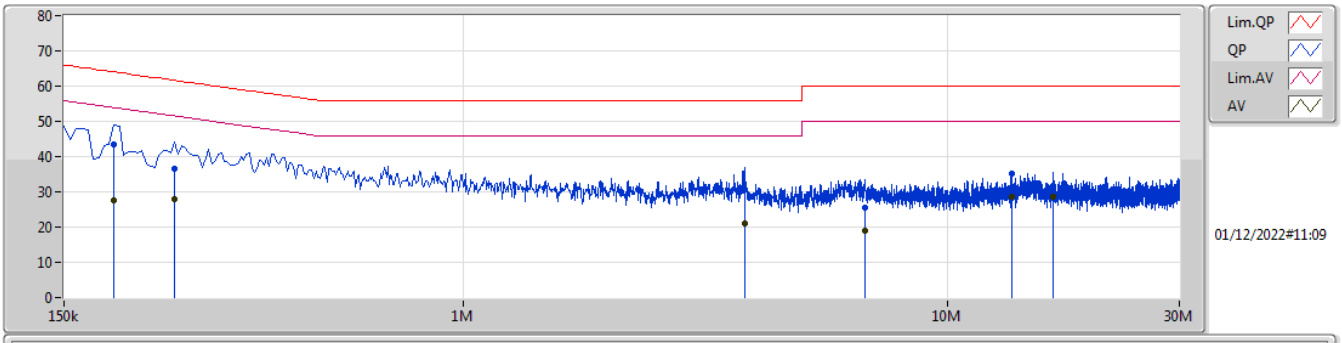
Note: Calibration Interval of instruments listed above is one year.

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

Summary

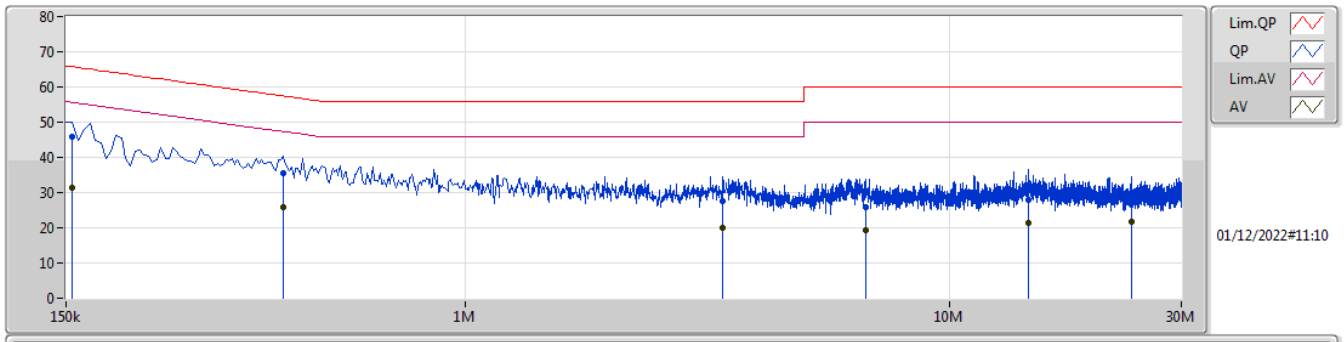
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	154.5k	45.97	65.75	-19.78	Neutral

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	190.5k	43.48	64.01	-20.53	10.30	Line	"Worst"	33.18	0.12	0.11	10.07
AV	190.5k	27.59	54.01	-26.42	10.30	Line	-	17.29	0.12	0.11	10.07
QP	253.5k	36.47	61.64	-25.17	10.28	Line	-	26.19	0.12	0.12	10.04
AV	253.5k	27.89	51.64	-23.75	10.28	Line	-	17.61	0.12	0.12	10.04
QP	3.804M	30.77	56.00	-25.23	10.27	Line	-	20.50	0.23	0.20	9.84
AV	3.804M	20.94	46.00	-25.06	10.27	Line	-	10.67	0.23	0.20	9.84
QP	6.725M	25.67	60.00	-34.33	10.39	Line	-	15.28	0.29	0.21	9.89
AV	6.725M	18.82	50.00	-31.18	10.39	Line	-	8.43	0.29	0.21	9.89
QP	13.56M	35.11	60.00	-24.89	10.55	Line	-	24.56	0.36	0.24	9.95
AV	13.56M	28.79	50.00	-21.21	10.55	Line	-	18.24	0.36	0.24	9.95
QP	16.467M	31.57	60.00	-28.43	10.61	Line	-	20.96	0.37	0.25	9.99
AV	16.467M	28.45	50.00	-21.55	10.61	Line	-	17.84	0.37	0.25	9.99

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	45.97	65.75	-19.78	10.33	Neutral	"Worst"	35.64	0.16	0.08	10.09
AV	154.5k	31.55	55.75	-24.20	10.33	Neutral	-	21.22	0.16	0.08	10.09
QP	420k	35.41	57.45	-22.04	10.31	Neutral	-	25.10	0.16	0.15	10.00
AV	420k	25.86	47.45	-21.59	10.31	Neutral	-	15.55	0.16	0.15	10.00
QP	3.399M	27.59	56.00	-28.41	10.25	Neutral	-	17.34	0.21	0.20	9.84
AV	3.399M	20.17	46.00	-25.83	10.25	Neutral	-	9.92	0.21	0.20	9.84
QP	6.693M	25.91	60.00	-34.09	10.36	Neutral	-	15.55	0.26	0.21	9.89
AV	6.693M	19.21	50.00	-30.79	10.36	Neutral	-	8.85	0.26	0.21	9.89
QP	14.474M	27.98	60.00	-32.02	10.52	Neutral	-	17.46	0.31	0.25	9.96
AV	14.474M	21.53	50.00	-28.47	10.52	Neutral	-	11.01	0.31	0.25	9.96
QP	23.645M	29.41	60.00	-30.59	10.70	Neutral	-	18.71	0.34	0.27	10.09
AV	23.645M	21.57	50.00	-28.43	10.70	Neutral	-	10.87	0.34	0.27	10.09

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	22.41M	19.071M	19M1D1D	21.9M	19.012M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.62M	37.731M	37M7D1D	40.26M	37.613M
802.11ax HEW80_Nss1,(MCS0)_4TX	83.04M	77.225M	77M2D1D	81.96M	76.99M
802.11ax HEW160_Nss1,(MCS0)_4TX	166.56M	154.919M	155MD1D	165.84M	154.919M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	22.47M	19.1M	19M1D1D	21.84M	19.012M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.74M	37.731M	37M7D1D	40.32M	37.613M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.68M	77.121M	77M1D1D	81.72M	76.872M
802.11ax HEW160_Nss1,(MCS0)_4TX	167.04M	154.723M	155MD1D	165.84M	154.483M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	22.59M	19.1M	19M1D1D	21.93M	19.04M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.56M	37.731M	37M7D1D	40.26M	37.601M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.8M	77.241M	77M2D1D	81M	76.282M
802.11ax HEW160_Nss1,(MCS0)_4TX	167.28M	155.442M	155MD1D	165.12M	154.243M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	22.47M	19.071M	19M1D1D	21.93M	19.042M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.68M	37.731M	37M7D1D	40.26M	37.554M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.56M	77.225M	77M2D1D	81.96M	76.99M
802.11ax HEW160_Nss1,(MCS0)_4TX	166.8M	155.39M	155MD1D	165.84M	154.214M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

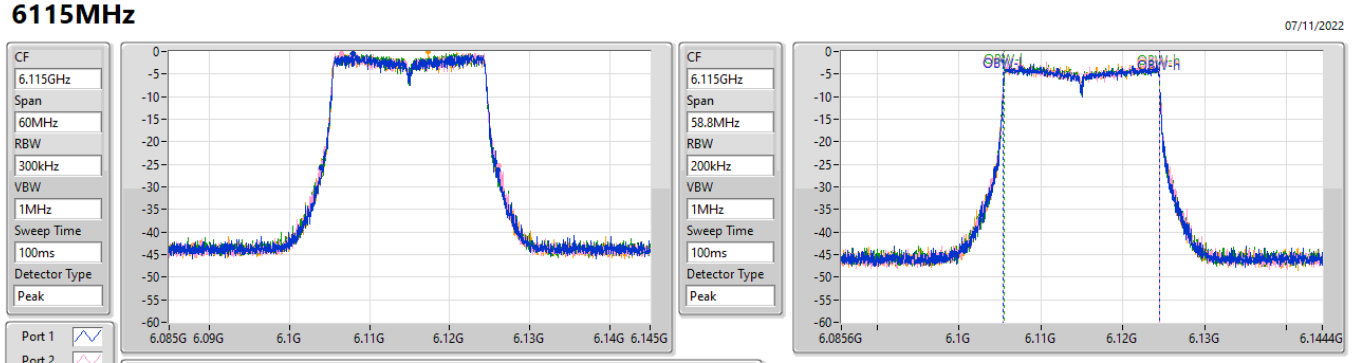
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6115MHz	Pass	Inf	22.08M	19.071M	22.32M	19.071M	21.99M	19.012M	22.11M	19.071M
6255MHz	Pass	Inf	21.9M	19.012M	22.29M	19.071M	22.14M	19.042M	22.41M	19.071M
6415MHz	Pass	Inf	22.23M	19.042M	22.35M	19.071M	22.32M	19.071M	22.05M	19.071M
6435MHz	Pass	Inf	21.84M	19.071M	22.29M	19.071M	22.47M	19.042M	22.14M	19.071M
6475MHz	Pass	Inf	21.9M	19.071M	22.35M	19.1M	22.14M	19.012M	22.2M	19.071M
6515MHz	Pass	Inf	22.02M	19.042M	22.14M	19.1M	22.35M	19.071M	22.38M	19.1M
6535MHz	Pass	Inf	22.17M	19.071M	22.35M	19.071M	22.17M	19.042M	22.44M	19.071M
6695MHz	Pass	Inf	22.32M	19.071M	22.59M	19.1M	22.23M	19.071M	22.26M	19.071M
6855MHz	Pass	Inf	22.05M	19.071M	22.08M	19.071M	21.99M	19.042M	21.93M	19.1M
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	22.14M	19.04M	22.5M	19.1M	22.44M	19.04M	22.11M	19.07M
6895MHz	Pass	Inf	22.05M	19.042M	22.47M	19.071M	21.93M	19.042M	22.32M	19.042M
6995MHz	Pass	Inf	21.93M	19.071M	22.35M	19.071M	22.02M	19.042M	21.96M	19.071M
7095MHz	Pass	Inf	22.14M	19.042M	22.44M	19.071M	21.99M	19.042M	22.29M	19.042M
7115MHz	Pass	Inf	21.93M	19.042M	22.29M	19.071M	22.05M	19.071M	22.11M	19.071M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6125MHz	Pass	Inf	40.56M	37.672M	40.56M	37.672M	40.26M	37.731M	40.44M	37.613M
6245MHz	Pass	Inf	40.44M	37.613M	40.38M	37.613M	40.5M	37.613M	40.38M	37.613M
6405MHz	Pass	Inf	40.44M	37.672M	40.56M	37.731M	40.62M	37.672M	40.5M	37.613M
6445MHz	Pass	Inf	40.32M	37.672M	40.38M	37.672M	40.32M	37.613M	40.32M	37.613M
6485MHz	Pass	Inf	40.74M	37.672M	40.44M	37.731M	40.32M	37.672M	40.5M	37.672M
6525MHz Straddle 6.425-6.525GHz	Pass	Inf	40.5M	37.661M	40.44M	37.661M	40.44M	37.661M	40.32M	37.661M
6565MHz	Pass	Inf	40.5M	37.672M	40.44M	37.613M	40.5M	37.672M	40.5M	37.672M
6725MHz	Pass	Inf	40.5M	37.672M	40.26M	37.672M	40.26M	37.731M	40.56M	37.672M
6845MHz	Pass	Inf	40.44M	37.672M	40.38M	37.613M	40.44M	37.672M	40.38M	37.731M
6885MHz Straddle 6.525-6.875GHz	Pass	Inf	40.32M	37.601M	40.38M	37.601M	40.5M	37.601M	40.32M	37.661M
6925MHz	Pass	Inf	40.68M	37.613M	40.26M	37.672M	40.26M	37.672M	40.56M	37.672M
7005MHz	Pass	Inf	40.44M	37.613M	40.26M	37.672M	40.5M	37.613M	40.56M	37.613M
7085MHz	Pass	Inf	40.5M	37.554M	40.38M	37.672M	40.38M	37.672M	40.56M	37.731M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6145MHz	Pass	Inf	82.68M	76.99M	82.08M	76.99M	82.2M	77.107M	83.04M	76.99M
6225MHz										
6385MHz	Pass	Inf	81.96M	76.99M	82.32M	77.225M	81.96M	77.107M	82.2M	76.99M
6465MHz	Pass	Inf	82.32M	76.872M	81.72M	76.99M	82.32M	76.99M	81.72M	76.99M
6545MHz Straddle 6.425-6.525GHz	Pass	Inf	82.68M	77.001M	81.96M	77.121M	82.2M	77.121M	82.44M	77.121M
6625MHz	Pass	Inf	82.08M	76.99M	81.72M	76.99M	82.8M	77.225M	81.72M	76.99M
6705MHz	Pass	Inf	82.2M	77.107M	81.96M	76.99M	82.08M	77.225M	82.68M	76.99M
6785MHz	Pass	Inf	81.96M	77.225M	82.8M	77.107M	82.56M	77.225M	81.72M	77.107M
6865MHz Straddle 6.525-6.875GHz	Pass	Inf	82.2M	76.522M	81.48M	77.121M	82.08M	77.241M	81M	76.282M
6945MHz	Pass	Inf	82.08M	76.99M	82.56M	76.99M	81.96M	77.107M	82.2M	76.99M
7025MHz	Pass	Inf	82.32M	76.99M	82.32M	76.99M	82.2M	77.107M	82.2M	77.225M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6185MHz	Pass	Inf	166.56M	154.919M	166.32M	154.919M	166.08M	154.919M	165.84M	154.919M
6345MHz										
6505MHz Straddle 6.425-6.525GHz	Pass	Inf	166.32M	154.483M	165.84M	154.483M	166.08M	154.723M	167.04M	154.723M
6665MHz	Pass	Inf	166.08M	155.154M	165.12M	154.684M	167.04M	155.154M	166.08M	154.919M
6825MHz Straddle 6.525-6.875GHz	Pass	Inf	167.28M	154.963M	166.08M	154.243M	166.8M	155.442M	165.36M	154.723M
6985MHz	Pass	Inf	166.08M	154.919M	165.84M	154.684M	166.8M	155.39M	166.8M	154.214M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX EBW

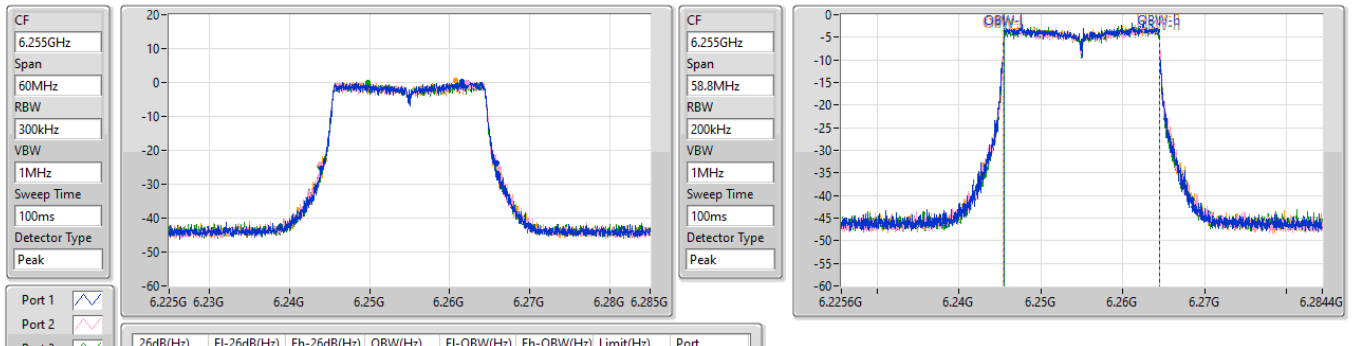
6115MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.08M	6.10396G	6.12604G	19.071M	6.10542G	6.124491G	Inf	1
22.32M	6.10384G	6.12616G	19.071M	6.10542G	6.124491G	Inf	2
21.99M	6.10396G	6.12595G	19.012M	6.10545G	6.124462G	Inf	3
22.11M	6.10384G	6.12595G	19.071M	6.10542G	6.124491G	Inf	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX EBW

6255MHz

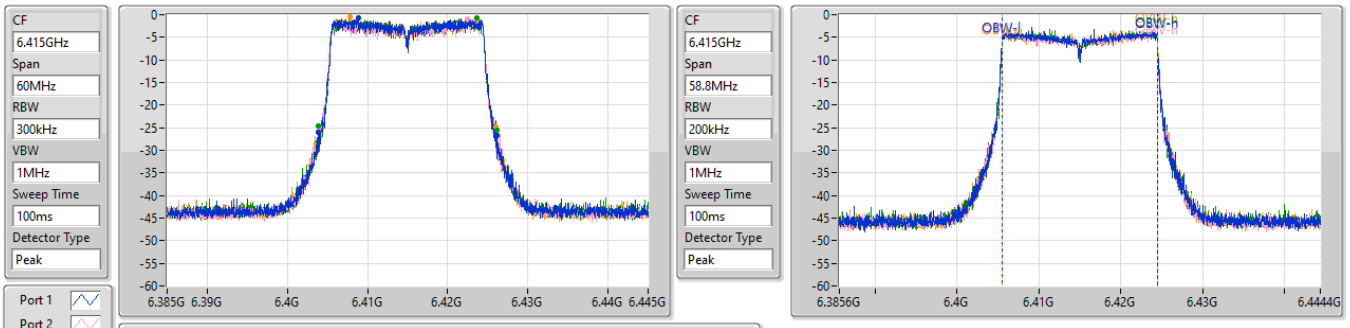


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	6.24396G	6.26586G	19.012M	6.24545G	6.264462G	Inf	1
22.29M	6.24381G	6.2661G	19.071M	6.24542G	6.264491G	Inf	2
22.14M	6.24381G	6.26595G	19.042M	6.24545G	6.264491G	Inf	3
22.41M	6.24372G	6.26613G	19.071M	6.24542G	6.264491G	Inf	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX EBW

6415MHz

07/11/2022

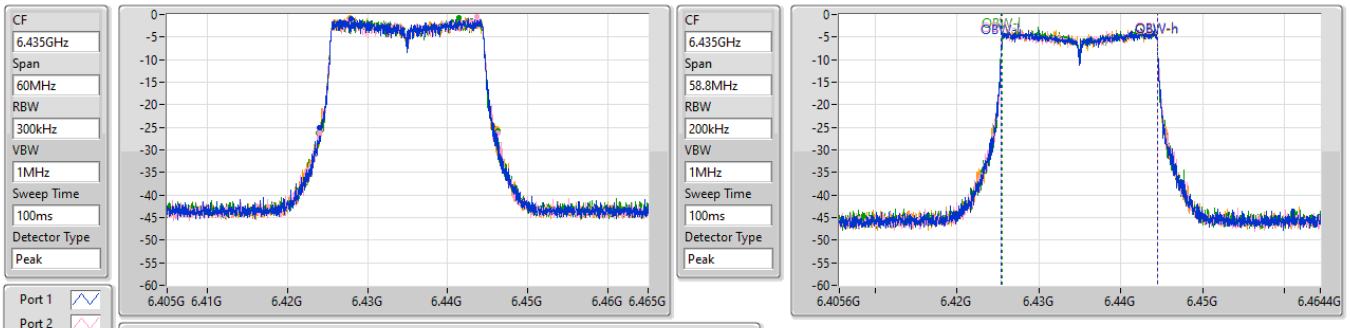


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.23M	6.40387G	6.4261G	19.042M	6.40545G	6.424491G	Inf	1
22.35M	6.4039G	6.42625G	19.071M	6.40545G	6.424521G	Inf	2
22.32M	6.40387G	6.42619G	19.071M	6.40545G	6.424521G	Inf	3
22.05M	6.40396G	6.42601G	19.071M	6.40545G	6.424521G	Inf	4

6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_4TX EBW

6435MHz

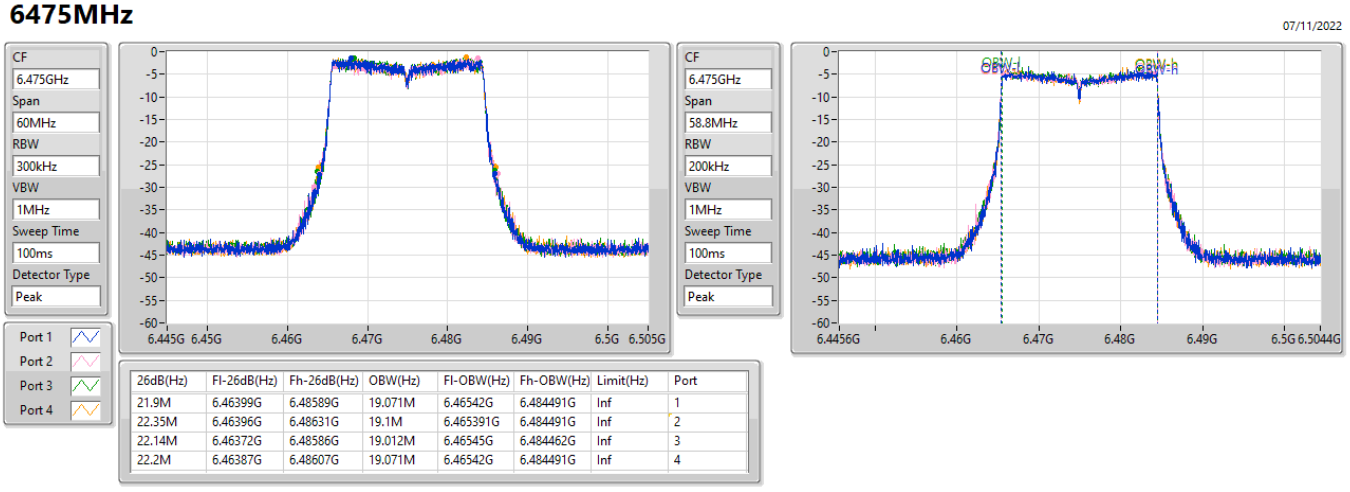
07/11/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.84M	6.42402G	6.44586G	19.071M	6.42542G	6.444491G	Inf	1
22.29M	6.42402G	6.44631G	19.071M	6.42542G	6.444491G	Inf	2
22.47M	6.42384G	6.44631G	19.042M	6.42545G	6.444491G	Inf	3
22.14M	6.42396G	6.4461G	19.071M	6.42542G	6.444491G	Inf	4

6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_4TX EBW

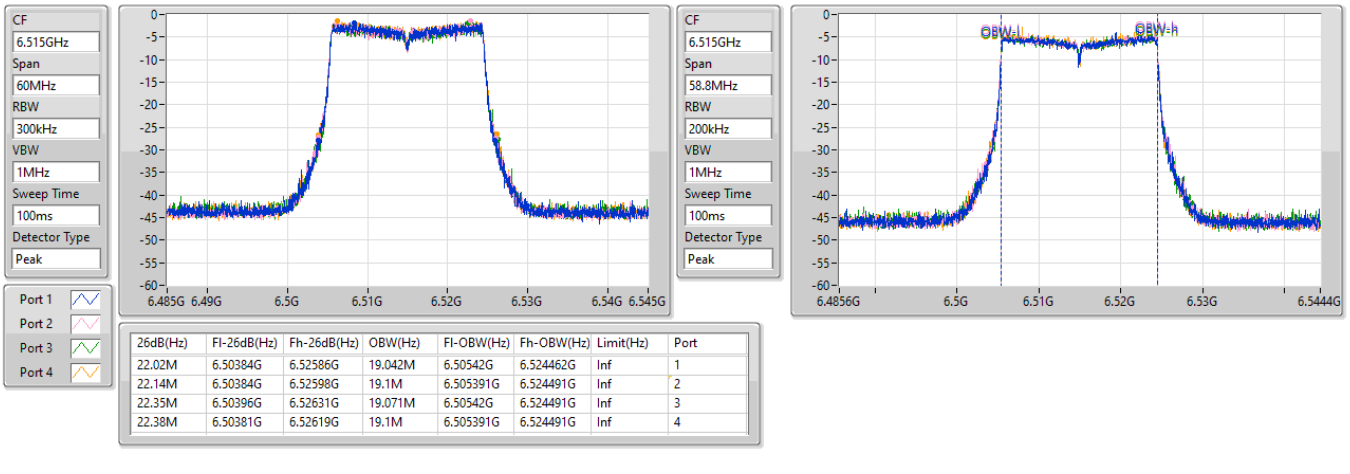
6475MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	6.46399G	6.48589G	19.071M	6.46542G	6.484491G	Inf	1
22.35M	6.46396G	6.48631G	19.1M	6.465391G	6.484491G	Inf	2
22.14M	6.46372G	6.48586G	19.012M	6.46545G	6.484462G	Inf	3
22.2M	6.46387G	6.48607G	19.071M	6.46542G	6.484491G	Inf	4

6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_4TX EBW

6515MHz



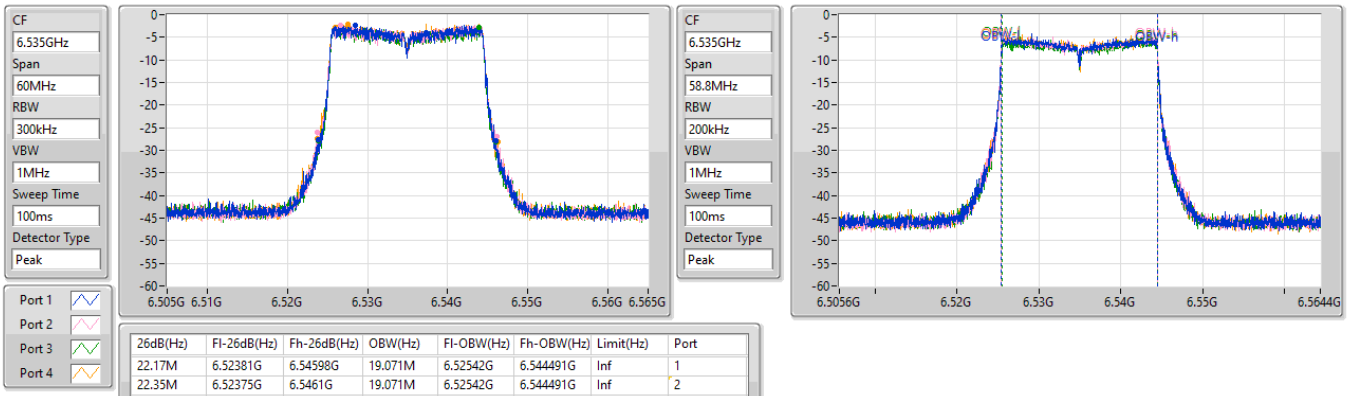
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.02M	6.50384G	6.52586G	19.042M	6.50542G	6.524462G	Inf	1
22.14M	6.50384G	6.52598G	19.1M	6.505391G	6.524491G	Inf	2
22.35M	6.50396G	6.52631G	19.071M	6.50542G	6.524491G	Inf	3
22.38M	6.50381G	6.52619G	19.1M	6.505391G	6.524491G	Inf	4

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6535MHz

07/11/2022



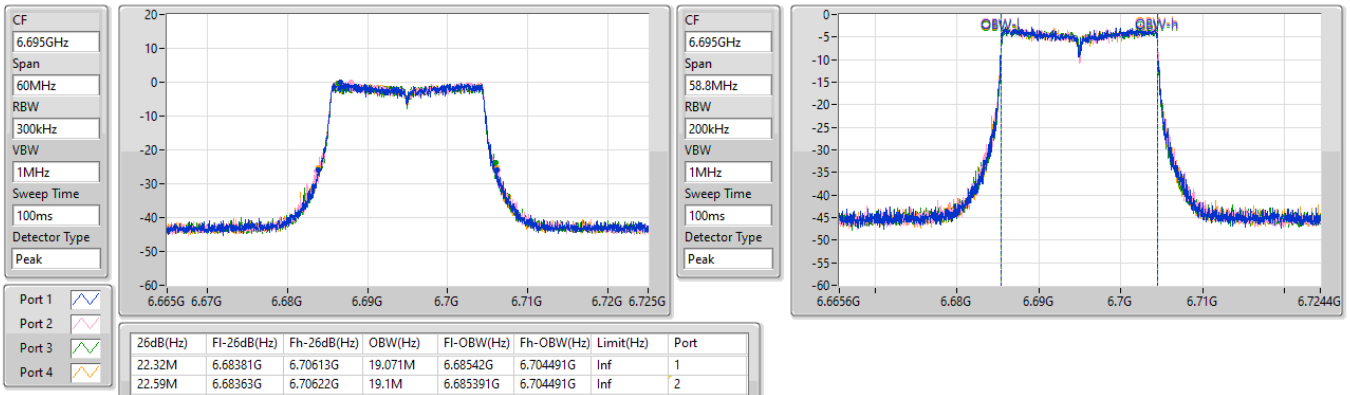
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.17M	6.52381G	6.54598G	19.071M	6.52542G	6.544491G	Inf	1
22.35M	6.52375G	6.5461G	19.071M	6.52542G	6.544491G	Inf	2
22.17M	6.52387G	6.54604G	19.042M	6.52545G	6.544491G	Inf	3
22.44M	6.52378G	6.54622G	19.071M	6.52542G	6.544491G	Inf	4

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6695MHz

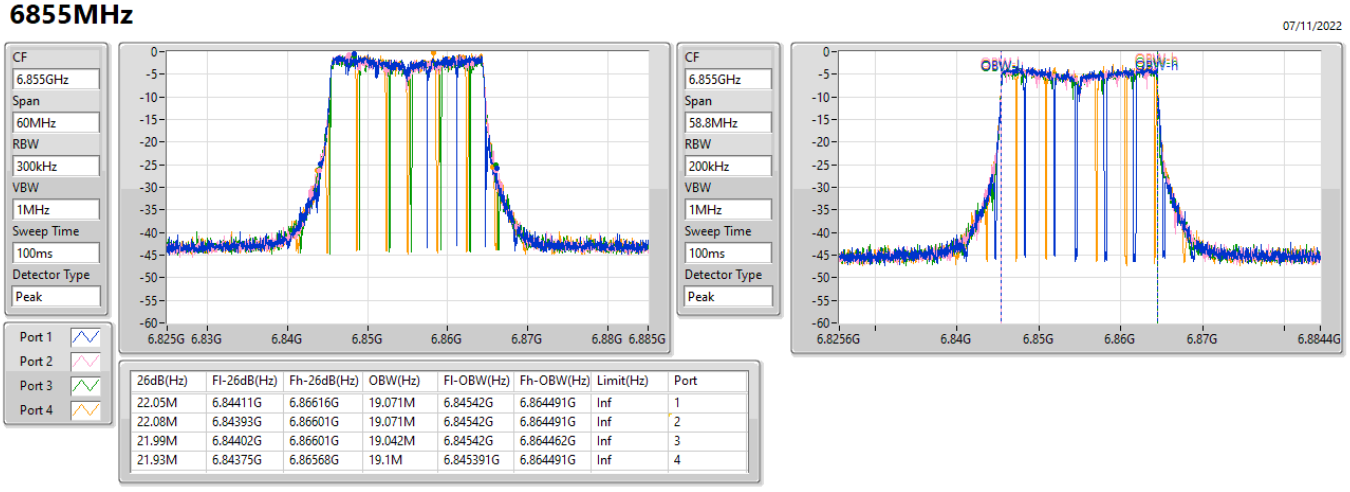
07/11/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.32M	6.68381G	6.70613G	19.071M	6.68542G	6.704491G	Inf	1
22.59M	6.68363G	6.70622G	19.1M	6.685391G	6.704491G	Inf	2
22.23M	6.68375G	6.70598G	19.071M	6.68542G	6.704491G	Inf	3
22.26M	6.68387G	6.70613G	19.071M	6.68542G	6.704491G	Inf	4

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX EBW

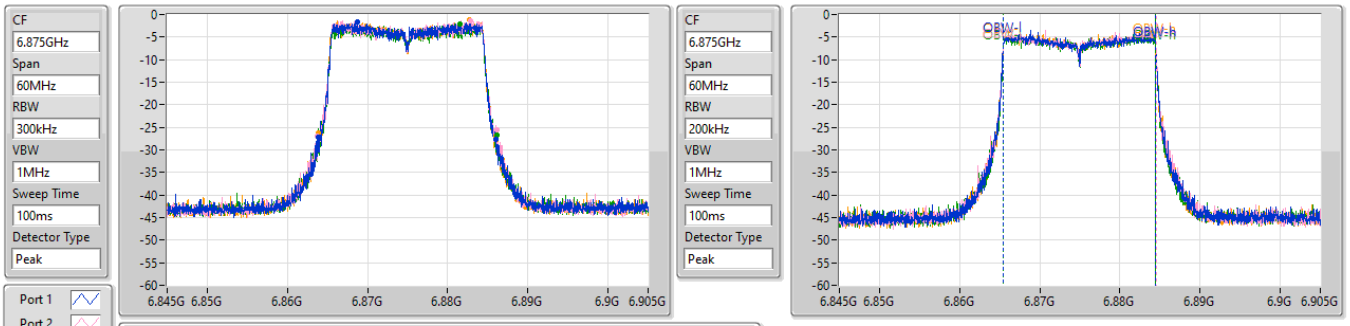
6855MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.05M	6.84411G	6.86616G	19.071M	6.84542G	6.864491G	Inf	1
22.08M	6.84393G	6.86601G	19.071M	6.84542G	6.864491G	Inf	2
21.99M	6.84402G	6.86601G	19.042M	6.84542G	6.864462G	Inf	3
21.93M	6.84375G	6.86568G	19.1M	6.845391G	6.864491G	Inf	4

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX EBW

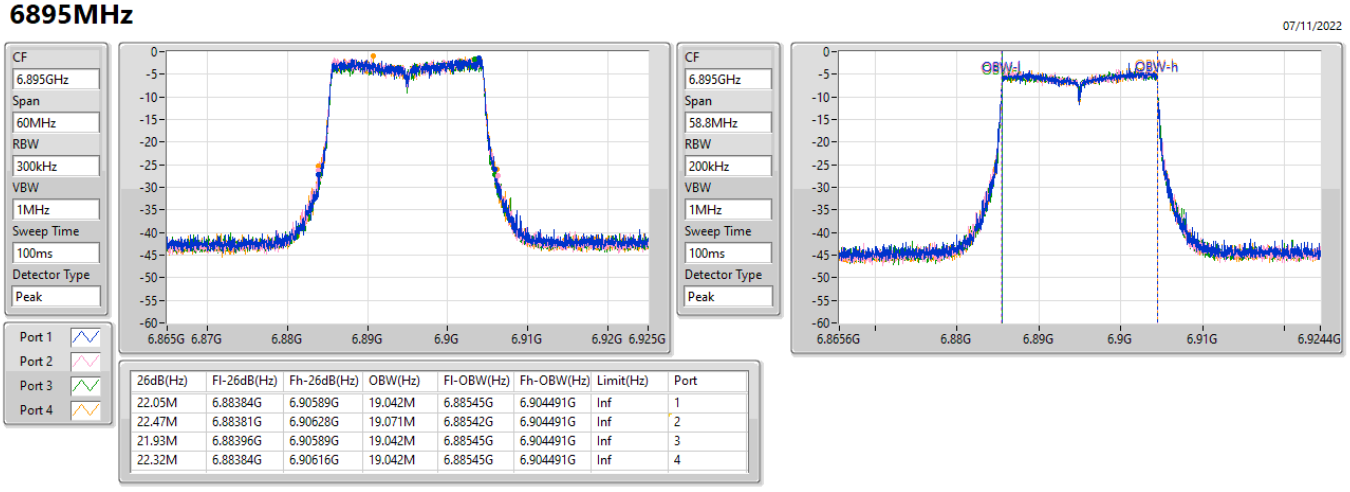
6875MHz Straddle 6.525-6.875GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.14M	6.86381G	6.88595G	19.04M	6.865435G	6.884475G	Inf	1
22.5M	6.86366G	6.88616G	19.1M	6.865405G	6.884505G	Inf	2
22.44M	6.86369G	6.88613G	19.04M	6.865435G	6.884475G	Inf	3
22.11M	6.86387G	6.88598G	19.07M	6.865405G	6.884475G	Inf	4

6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

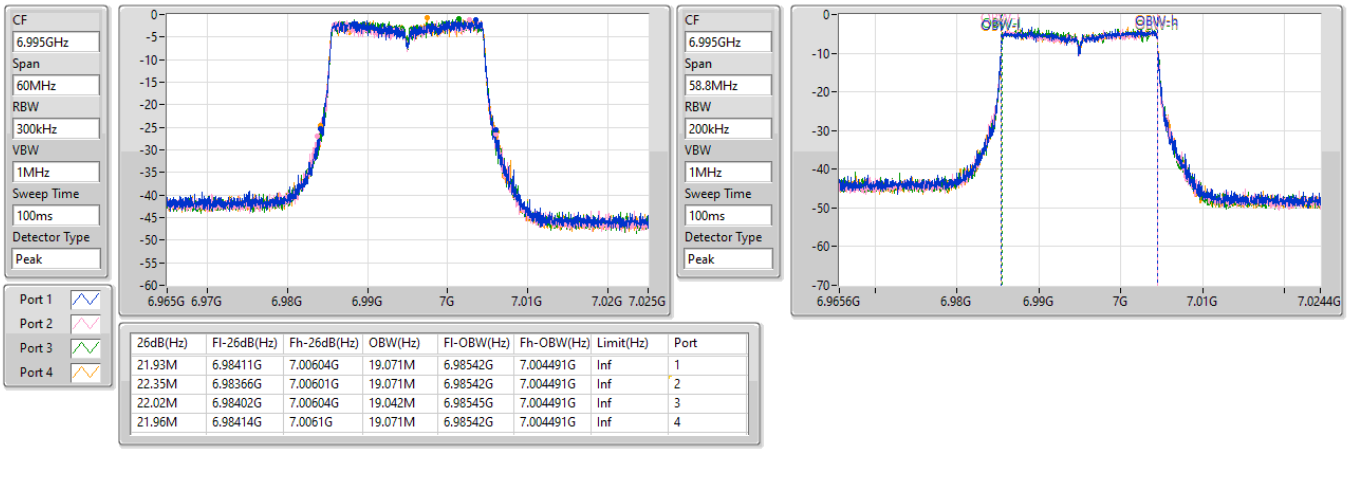
6895MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.05M	6.88384G	6.90589G	19.042M	6.88545G	6.904491G	Inf	1
22.47M	6.88381G	6.90628G	19.071M	6.88542G	6.904491G	Inf	2
21.93M	6.88396G	6.90589G	19.042M	6.88545G	6.904491G	Inf	3
22.32M	6.88384G	6.90616G	19.042M	6.88545G	6.904491G	Inf	4

6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

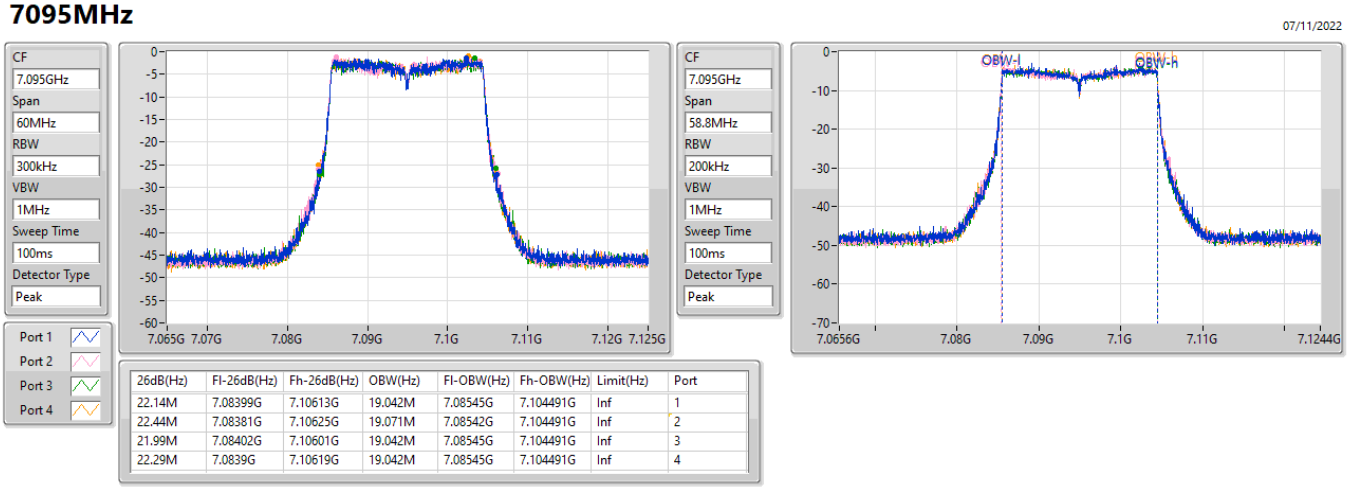
6995MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.93M	6.98411G	7.00604G	19.071M	6.98542G	7.004491G	Inf	1
22.35M	6.98366G	7.00601G	19.071M	6.98542G	7.004491G	Inf	2
22.02M	6.98402G	7.00604G	19.042M	6.98545G	7.004491G	Inf	3
21.96M	6.98414G	7.0061G	19.071M	6.98542G	7.004491G	Inf	4

6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX EBW

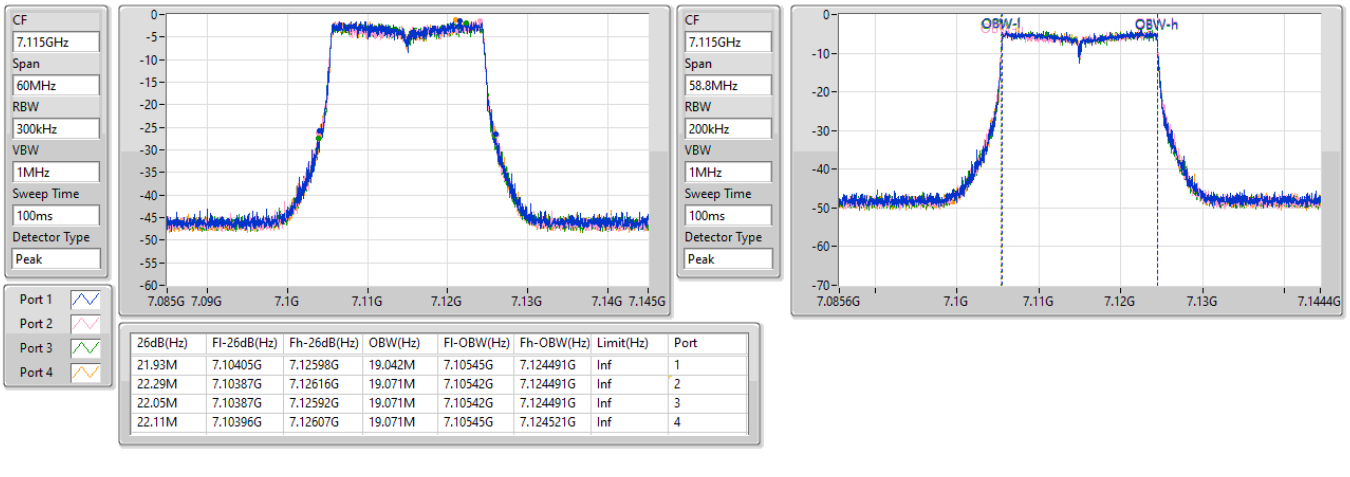
7095MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.14M	7.08399G	7.10613G	19.042M	7.08545G	7.104491G	Inf	1
22.44M	7.08381G	7.10625G	19.071M	7.08542G	7.104491G	Inf	2
21.99M	7.08402G	7.10601G	19.042M	7.08545G	7.104491G	Inf	3
22.29M	7.0839G	7.10619G	19.042M	7.08545G	7.104491G	Inf	4

6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX EBW

7115MHz

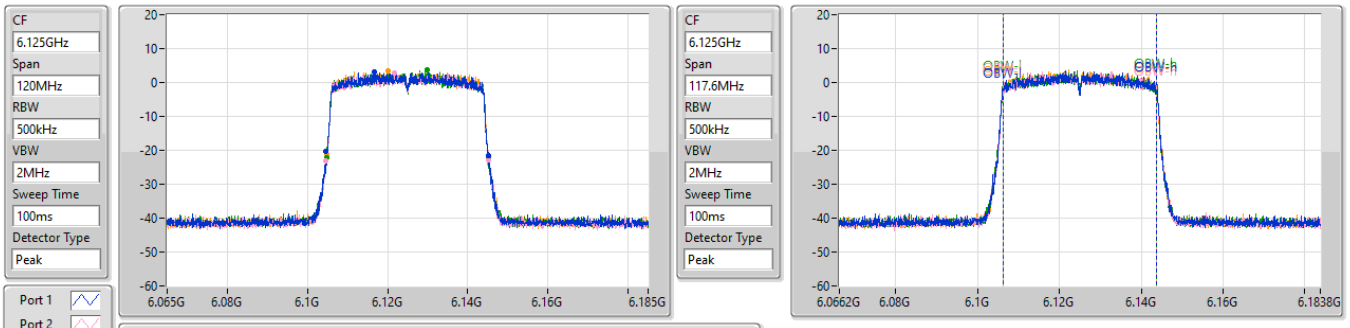


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.93M	7.10405G	7.12598G	19.042M	7.10545G	7.124491G	Inf	1
22.29M	7.10387G	7.12616G	19.071M	7.10542G	7.124491G	Inf	2
22.05M	7.10387G	7.12592G	19.071M	7.10542G	7.124491G	Inf	3
22.11M	7.10396G	7.12607G	19.071M	7.10545G	7.124521G	Inf	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

6125MHz

07/11/2022

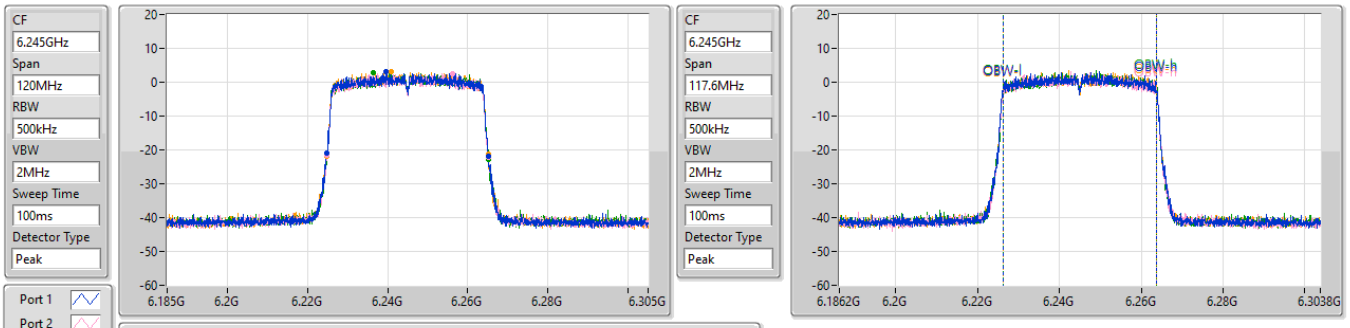


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.56M	6.10466G	6.14522G	37.672M	6.106135G	6.143807G	Inf	1
40.56M	6.10466G	6.14522G	37.672M	6.106135G	6.143807G	Inf	2
40.26M	6.10484G	6.1451G	37.731M	6.106135G	6.143865G	Inf	3
40.44M	6.10478G	6.14522G	37.613M	6.106193G	6.143807G	Inf	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

6245MHz

07/11/2022

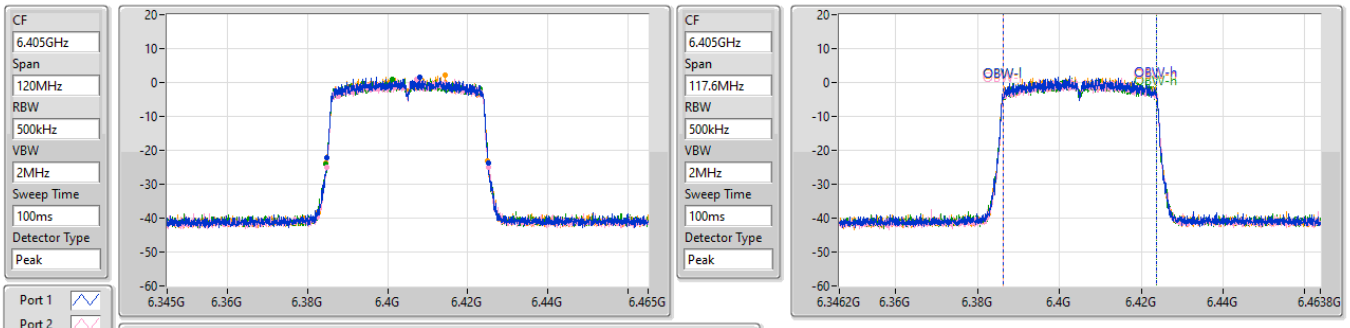


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.44M	6.22472G	6.26516G	37.613M	6.226135G	6.263748G	Inf	1
40.38M	6.22472G	6.2651G	37.613M	6.226193G	6.263807G	Inf	2
40.5M	6.22472G	6.26522G	37.613M	6.226193G	6.263807G	Inf	3
40.38M	6.22484G	6.26522G	37.613M	6.226193G	6.263807G	Inf	4

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX EBW

6405MHz

07/11/2022

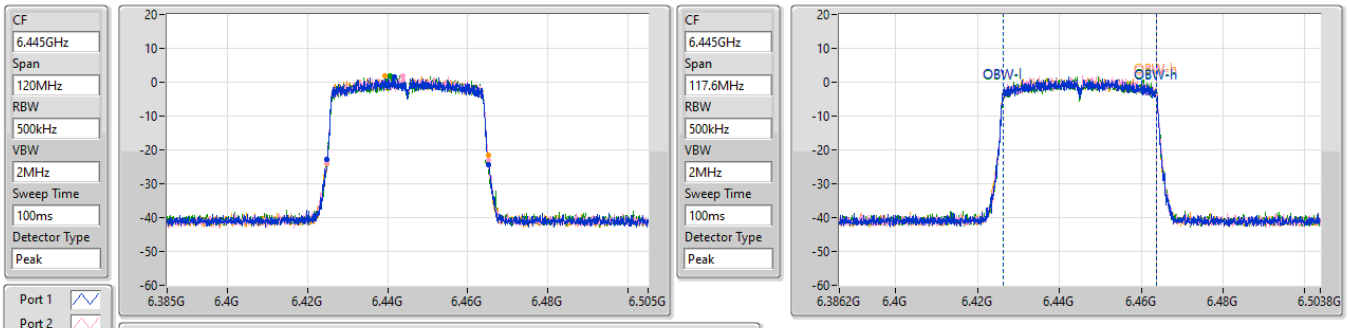


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.44M	6.38478G	6.42522G	37.672M	6.386135G	6.423807G	Inf	1
40.56M	6.38472G	6.42528G	37.731M	6.386135G	6.423865G	Inf	2
40.62M	6.3846G	6.42522G	37.672M	6.386135G	6.423807G	Inf	3
40.5M	6.38454G	6.42504G	37.613M	6.386135G	6.423748G	Inf	4

6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_4TX EBW

6445MHz

07/11/2022



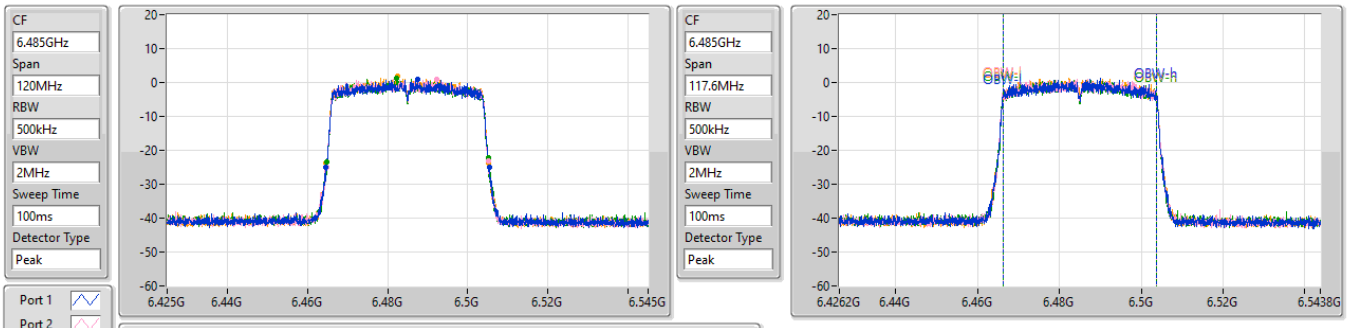
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.32M	6.4249G	6.46522G	37.672M	6.426135G	6.463807G	Inf	1
40.38M	6.42478G	6.46516G	37.672M	6.426135G	6.463807G	Inf	2
40.32M	6.42472G	6.46504G	37.613M	6.426193G	6.463807G	Inf	3
40.32M	6.42478G	6.4651G	37.613M	6.426135G	6.463748G	Inf	4

6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

6485MHz

07/11/2022



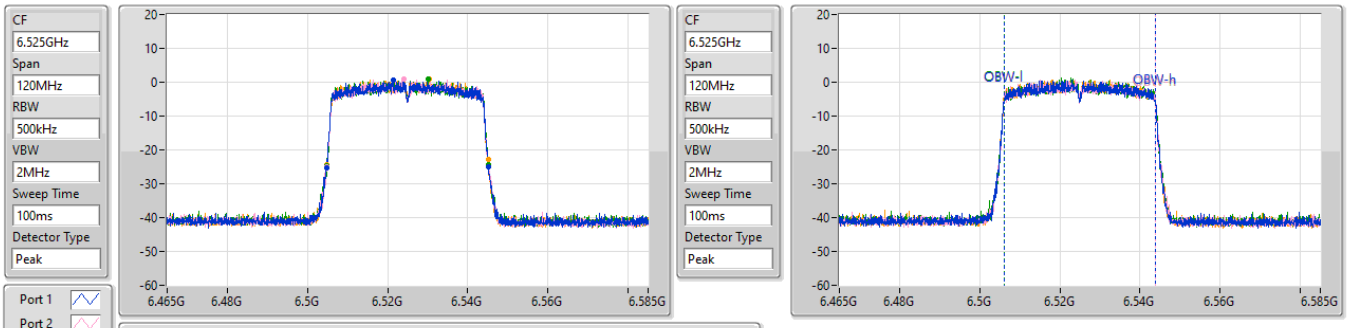
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.74M	6.4646G	6.50534G	37.672M	6.466135G	6.503807G	Inf	1
40.44M	6.46478G	6.50522G	37.731M	6.466135G	6.503865G	Inf	2
40.32M	6.46478G	6.5051G	37.672M	6.466135G	6.503807G	Inf	3
40.5M	6.46466G	6.50516G	37.672M	6.466135G	6.503807G	Inf	4

6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

6525MHz Straddle 6.425-6.525GHz

07/11/2022

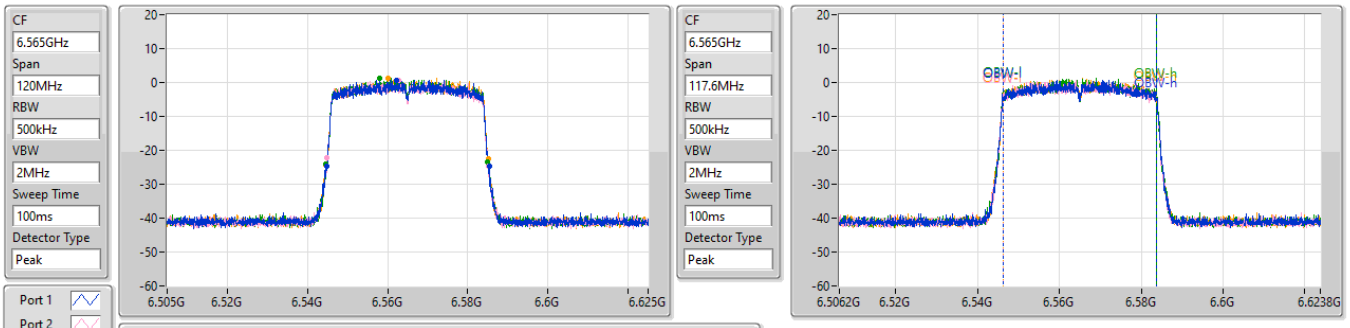


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	6.50472G	6.54522G	37.661M	6.506109G	6.543771G	Inf	1
40.44M	6.50484G	6.54528G	37.661M	6.506109G	6.543771G	Inf	2
40.44M	6.50478G	6.54522G	37.661M	6.506109G	6.543771G	Inf	3
40.32M	6.50478G	6.5451G	37.661M	6.506109G	6.543771G	Inf	4

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX EBW

6565MHz

07/11/2022

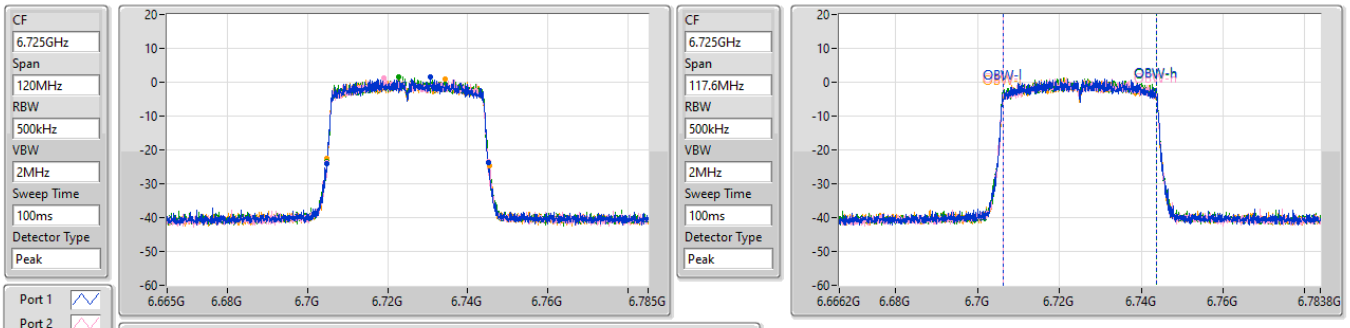


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	6.54484G	6.58534G	37.672M	6.546135G	6.583807G	Inf	1
40.44M	6.54478G	6.58522G	37.613M	6.546135G	6.583748G	Inf	2
40.5M	6.54454G	6.58504G	37.672M	6.546135G	6.583807G	Inf	3
40.5M	6.54466G	6.58516G	37.672M	6.546135G	6.583807G	Inf	4

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX EBW

6725MHz

07/11/2022

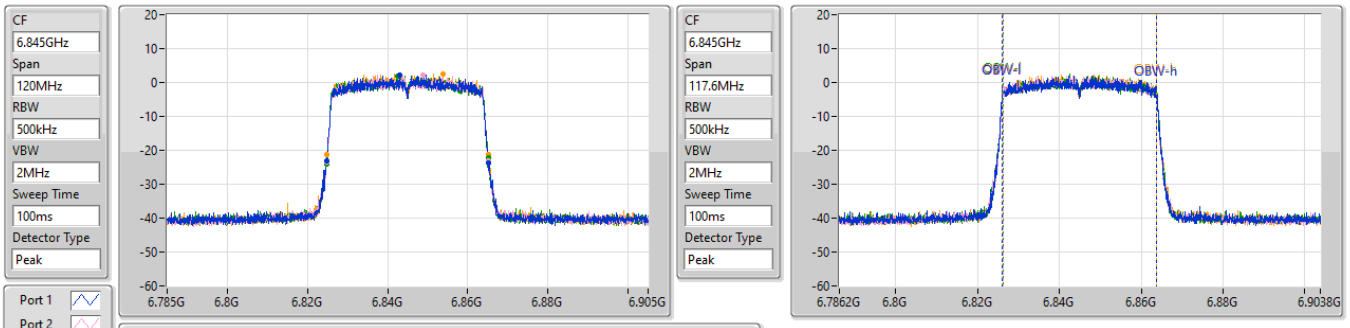


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	6.70478G	6.74528G	37.672M	6.706135G	6.743807G	Inf	1
40.26M	6.7049G	6.74516G	37.672M	6.706135G	6.743807G	Inf	2
40.26M	6.70484G	6.7451G	37.731M	6.706135G	6.743865G	Inf	3
40.56M	6.7049G	6.74546G	37.672M	6.706135G	6.743807G	Inf	4

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX EBW

6845MHz

07/11/2022

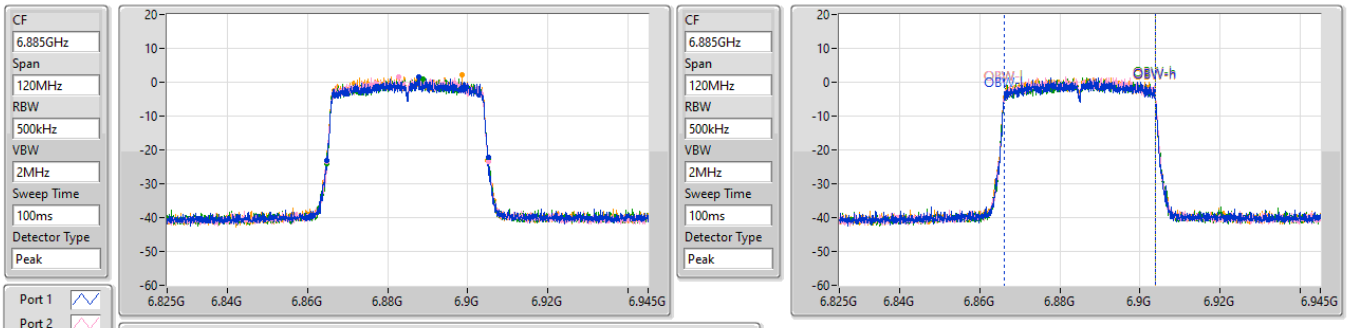


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.44M	6.82478G	6.86522G	37.672M	6.826076G	6.863748G	Inf	1
40.38M	6.82472G	6.8651G	37.613M	6.826135G	6.863748G	Inf	2
40.44M	6.82472G	6.86516G	37.672M	6.826135G	6.863807G	Inf	3
40.38M	6.82478G	6.86516G	37.731M	6.826076G	6.863807G	Inf	4

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX EBW

6885MHz Straddle 6.525-6.875GHz

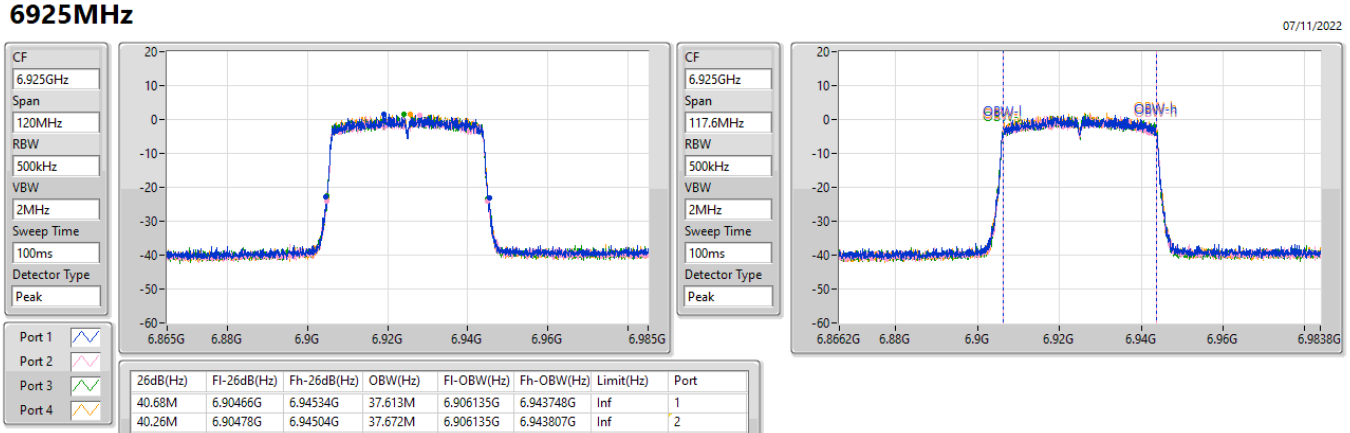
07/11/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.32M	6.86478G	6.9051G	37.601M	6.866169G	6.903771G	Inf	1
40.38M	6.86478G	6.90516G	37.601M	6.866169G	6.903771G	Inf	2
40.5M	6.86478G	6.90528G	37.601M	6.866169G	6.903771G	Inf	3
40.32M	6.86472G	6.90504G	37.661M	6.866109G	6.903771G	Inf	4

6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_4TX EBW

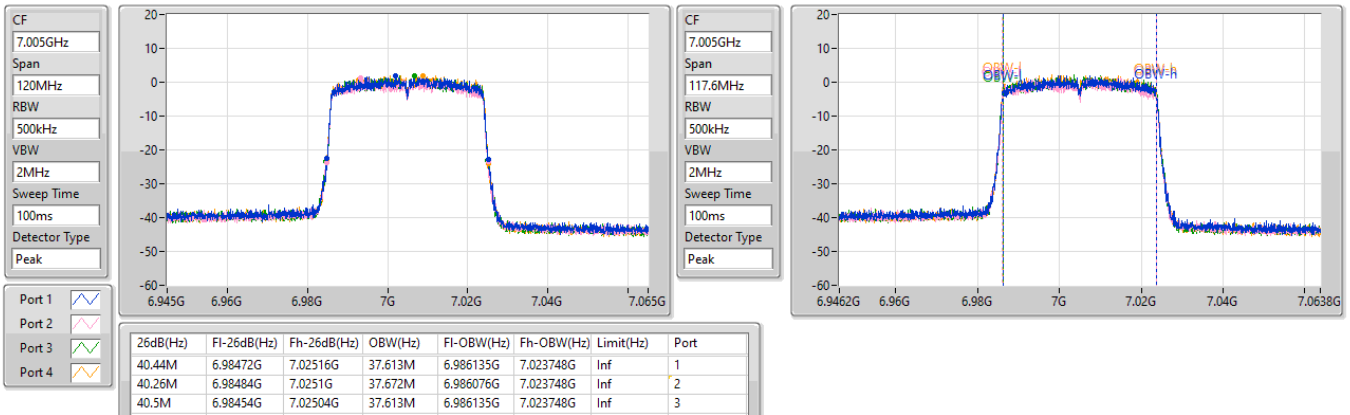
6925MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.68M	6.90466G	6.94534G	37.613M	6.906135G	6.943748G	Inf	1
40.26M	6.90478G	6.94504G	37.672M	6.906135G	6.943807G	Inf	2
40.26M	6.90478G	6.94504G	37.672M	6.906135G	6.943807G	Inf	3
40.56M	6.90472G	6.94528G	37.672M	6.906135G	6.943807G	Inf	4

6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_4TX EBW

7005MHz

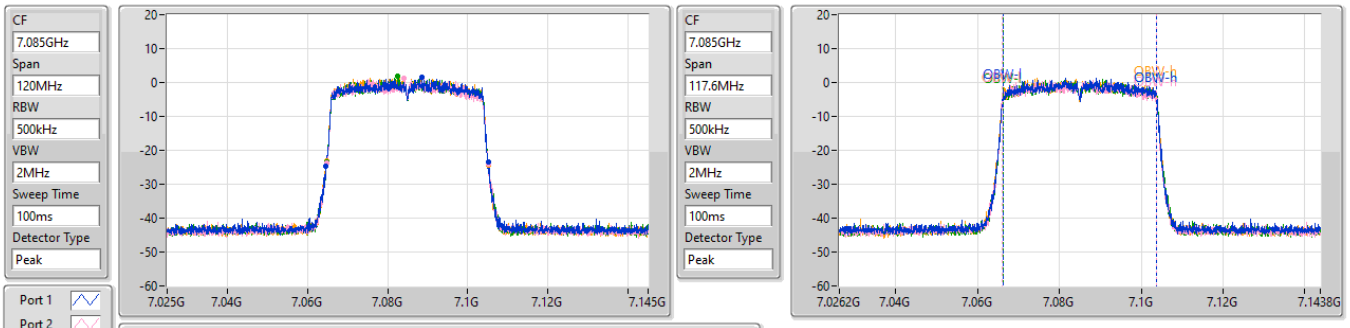


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.44M	6.98472G	7.02516G	37.613M	6.986135G	7.023748G	Inf	1
40.26M	6.98484G	7.0251G	37.672M	6.986076G	7.023748G	Inf	2
40.5M	6.98454G	7.02504G	37.613M	6.986135G	7.023748G	Inf	3
40.56M	6.98472G	7.02528G	37.613M	6.986135G	7.023748G	Inf	4

6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_4TX EBW

7085MHz

07/11/2022

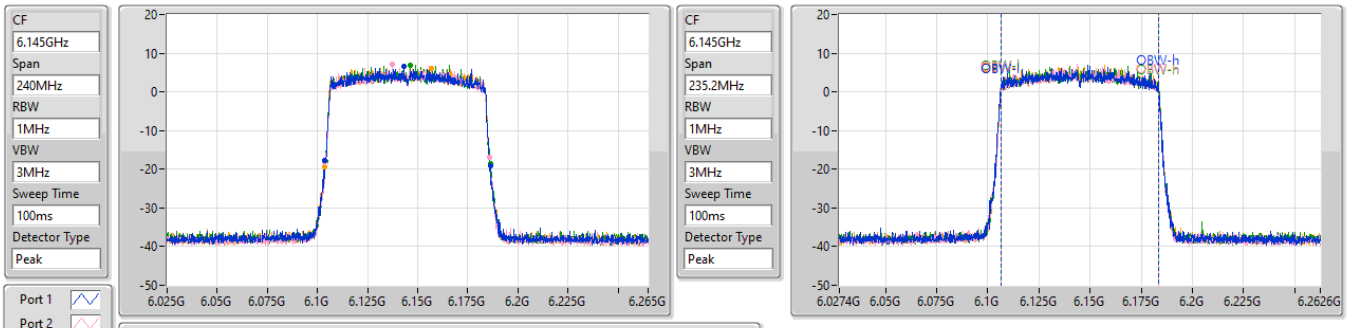


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	7.06466G	7.10516G	37.554M	7.066193G	7.103748G	Inf	1
40.38M	7.06472G	7.1051G	37.672M	7.066076G	7.103748G	Inf	2
40.38M	7.06472G	7.1051G	37.672M	7.066135G	7.103807G	Inf	3
40.56M	7.06472G	7.10528G	37.731M	7.066076G	7.103807G	Inf	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX EBW

6145MHz

07/11/2022

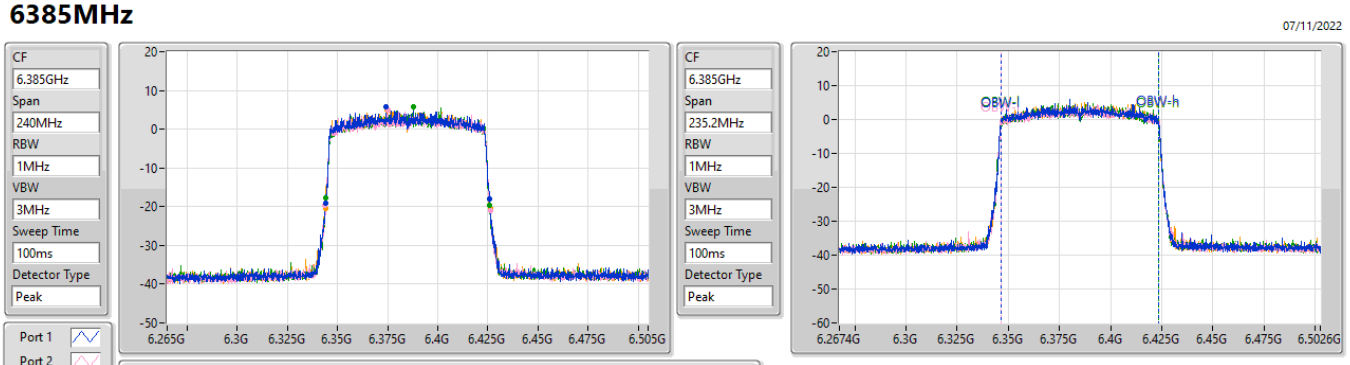


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.68M	6.10372G	6.1864G	76.99M	6.106446G	6.183436G	Inf	1
82.08M	6.10384G	6.18592G	76.99M	6.106446G	6.183436G	Inf	2
82.2M	6.10396G	6.18616G	77.107M	6.106329G	6.183436G	Inf	3
83.04M	6.10336G	6.1864G	76.99M	6.106446G	6.183436G	Inf	4

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

6385MHz

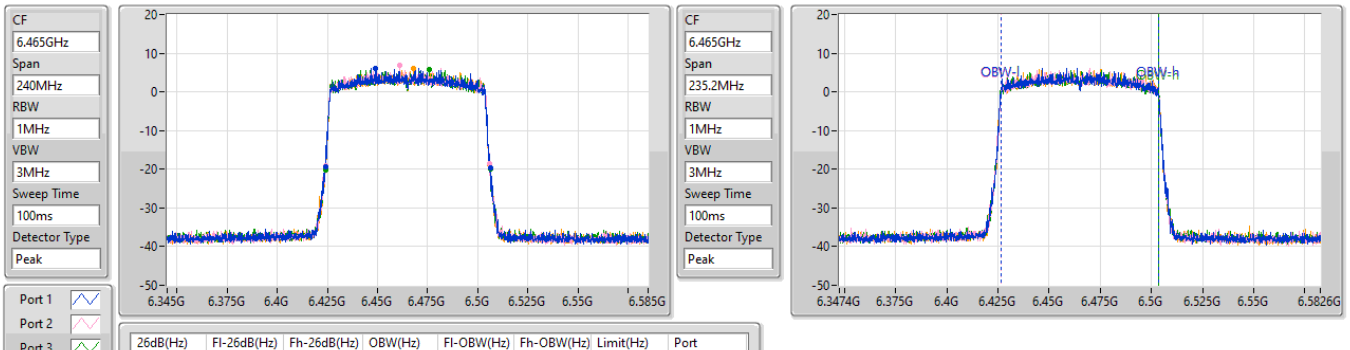


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	6.34396G	6.42592G	76.99M	6.346446G	6.423436G	Inf	1
82.32M	6.34384G	6.42616G	77.225M	6.346446G	6.423671G	Inf	2
81.96M	6.34408G	6.42604G	77.107M	6.346446G	6.423554G	Inf	3
82.2M	6.34396G	6.42616G	76.99M	6.346564G	6.423554G	Inf	4

6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

6465MHz

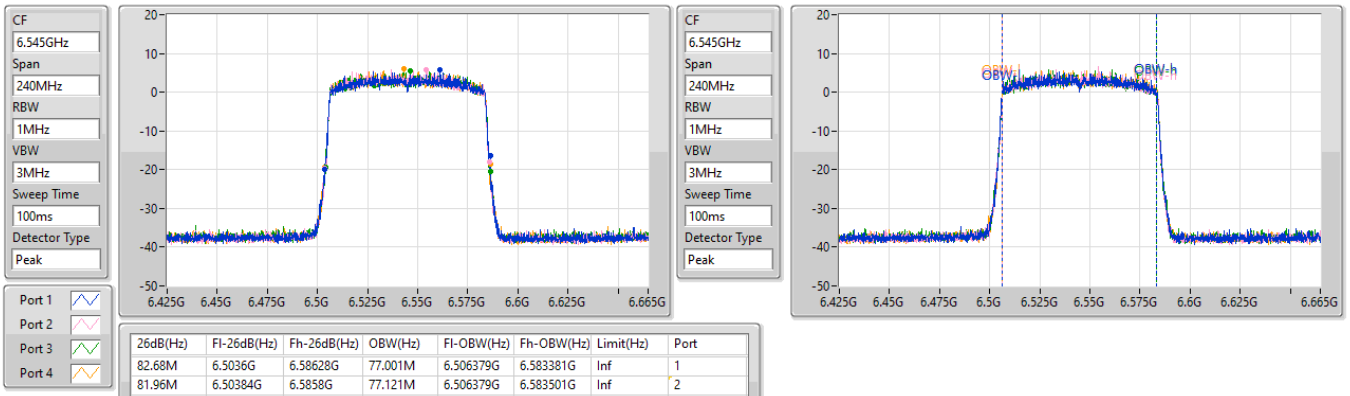


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	6.42396G	6.50628G	76.872M	6.426446G	6.503318G	Inf	1
81.72M	6.4242G	6.50592G	76.99M	6.426446G	6.503436G	Inf	2
82.32M	6.42396G	6.50628G	76.99M	6.426446G	6.503436G	Inf	3
81.72M	6.42408G	6.5058G	76.99M	6.426446G	6.503436G	Inf	4

6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_4TX EBW

6545MHz Straddle 6.425-6.525GHz

07/11/2022

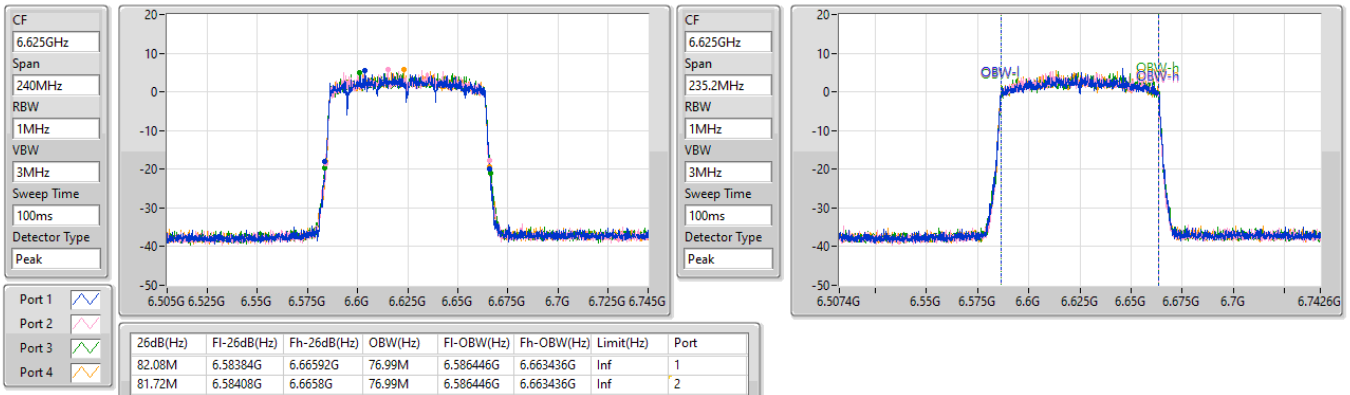


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.68M	6.5036G	6.58628G	77.001M	6.506379G	6.583381G	Inf	1
81.96M	6.50384G	6.5858G	77.121M	6.506379G	6.583501G	Inf	2
82.2M	6.50408G	6.58628G	77.121M	6.506379G	6.583501G	Inf	3
82.44M	6.50372G	6.58616G	77.121M	6.506379G	6.583501G	Inf	4

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX EBW

6625MHz

07/11/2022

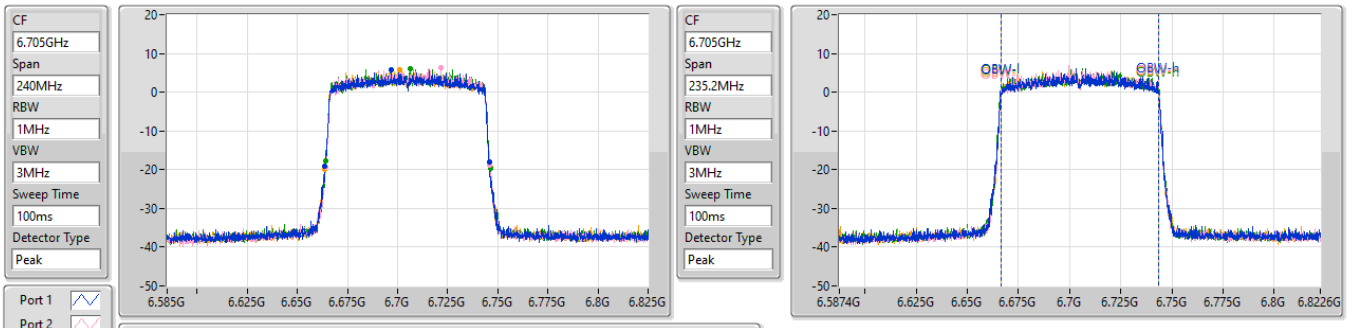


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	6.58384G	6.66592G	76.99M	6.586446G	6.663436G	Inf	1
81.72M	6.58408G	6.6658G	76.99M	6.586446G	6.663436G	Inf	2
82.8M	6.58336G	6.66616G	77.225M	6.586446G	6.663671G	Inf	3
81.72M	6.58408G	6.6658G	76.99M	6.586329G	6.663318G	Inf	4

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX EBW

6705MHz

07/11/2022

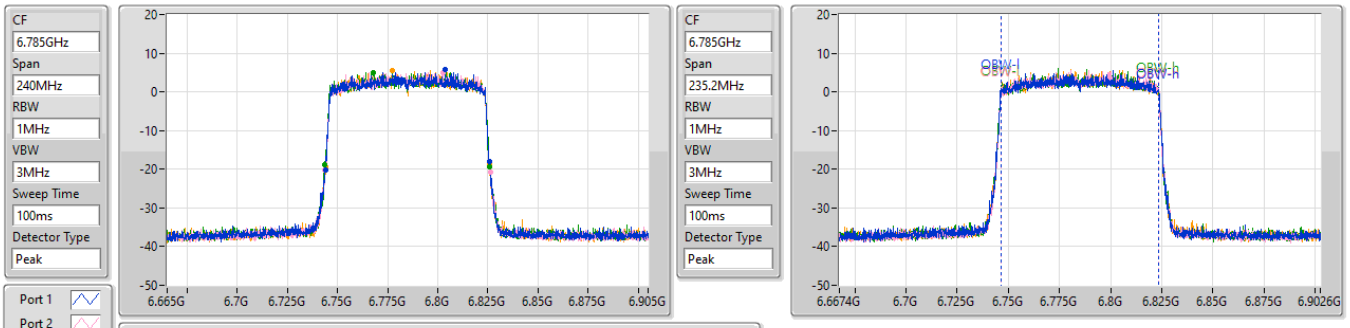


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	6.6636G	6.7458G	77.107M	6.666329G	6.743436G	Inf	1
81.96M	6.66396G	6.74592G	76.99M	6.666446G	6.743436G	Inf	2
82.08M	6.66408G	6.74616G	77.225M	6.666329G	6.743554G	Inf	3
82.68M	6.66348G	6.74616G	76.99M	6.666446G	6.743436G	Inf	4

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX EBW

6785MHz

07/11/2022

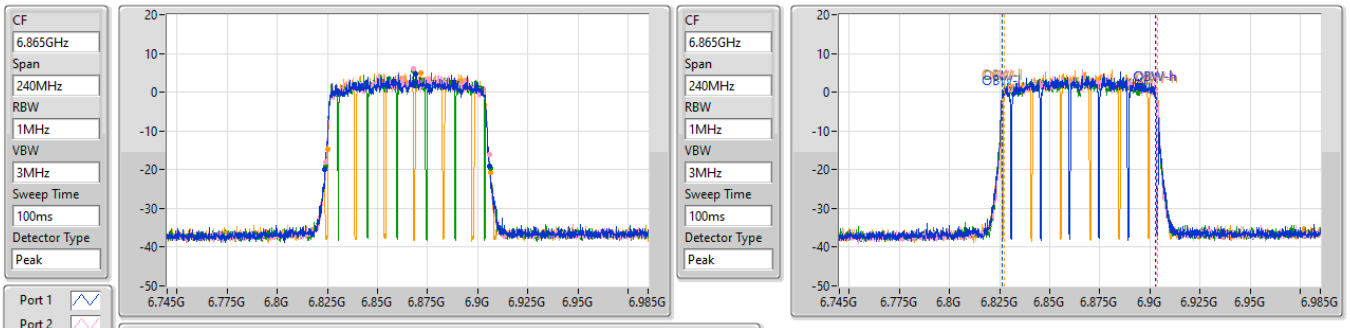


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	6.74408G	6.82604G	77.225M	6.746329G	6.823554G	Inf	1
82.8M	6.7436G	6.8264G	77.107M	6.746446G	6.823554G	Inf	2
82.56M	6.74348G	6.82604G	77.225M	6.746329G	6.823554G	Inf	3
81.72M	6.74408G	6.8258G	77.107M	6.746446G	6.823554G	Inf	4

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX EBW

6865MHz Straddle 6.525-6.875GHz

07/11/2022

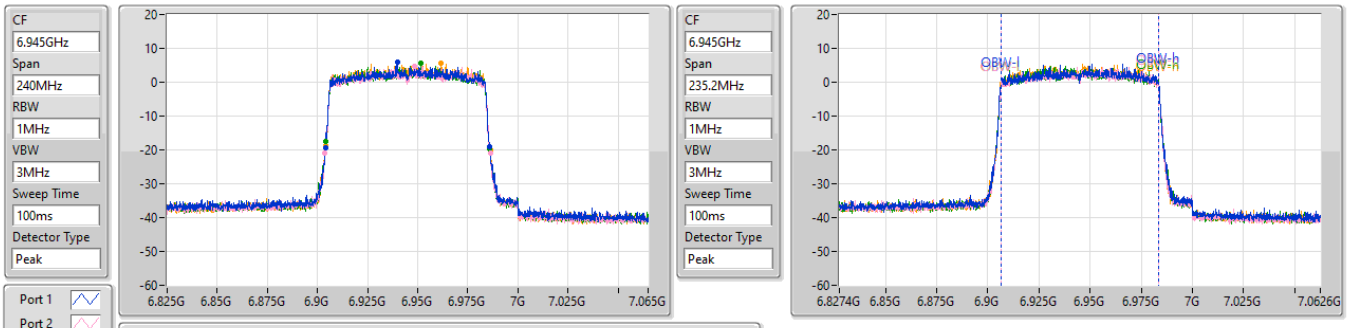


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	6.82384G	6.90604G	76.522M	6.826259G	6.902781G	Inf	1
81.48M	6.8242G	6.90568G	77.121M	6.826379G	6.903501G	Inf	2
82.08M	6.82408G	6.90616G	77.241M	6.826259G	6.903501G	Inf	3
81M	6.82516G	6.90616G	76.282M	6.827339G	6.903621G	Inf	4

6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_4TX EBW

6945MHz

07/11/2022

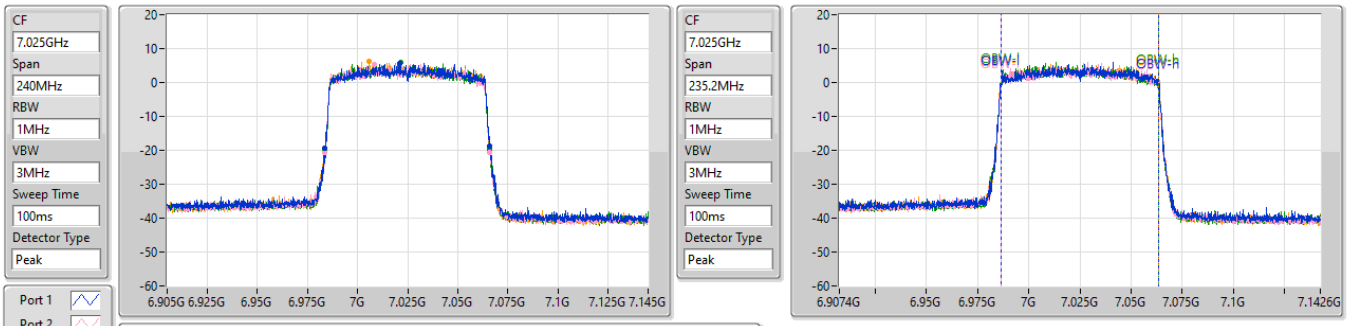


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	6.90396G	6.98604G	76.99M	6.906446G	6.983436G	Inf	1
82.56M	6.9036G	6.98616G	76.99M	6.906446G	6.983436G	Inf	2
81.96M	6.90396G	6.98592G	77.107M	6.906446G	6.983554G	Inf	3
82.2M	6.90396G	6.98616G	76.99M	6.906446G	6.983436G	Inf	4

6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_4TX EBW

7025MHz

07/11/2022

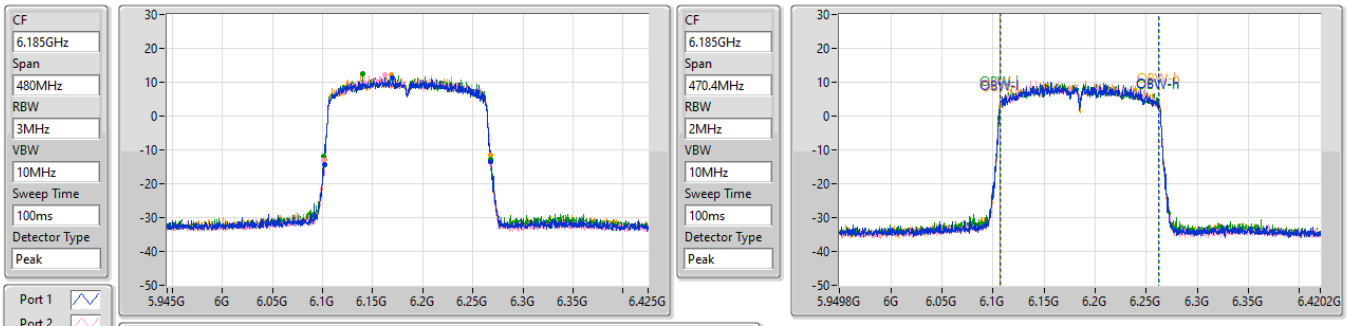


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	6.9836G	7.06592G	76.99M	6.986446G	7.063436G	Inf	1
82.32M	6.9836G	7.06592G	76.99M	6.986329G	7.063318G	Inf	2
82.2M	6.98384G	7.06604G	77.107M	6.986446G	7.063554G	Inf	3
82.2M	6.98384G	7.06604G	77.225M	6.986329G	7.063554G	Inf	4

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX EBW

6185MHz

07/11/2022

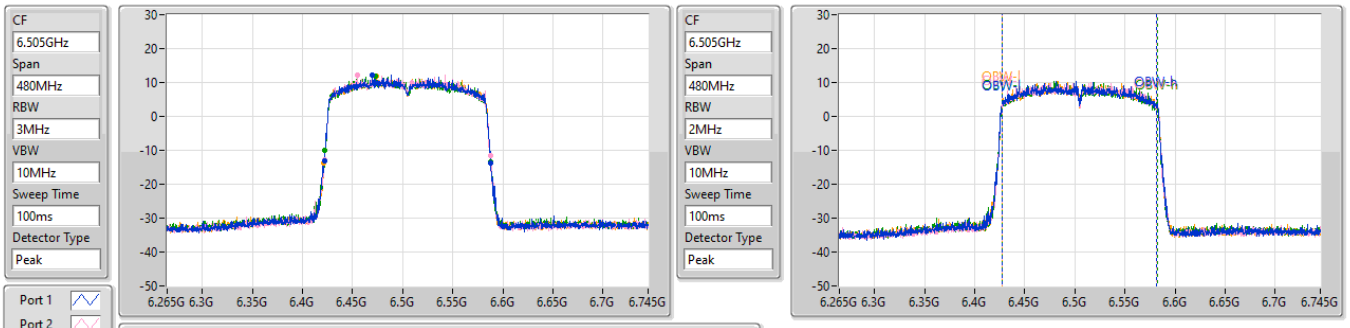


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
166.56M	6.10172G	6.26828G	154.919M	6.107423G	6.262342G	Inf	1
166.32M	6.10148G	6.2678G	154.919M	6.107423G	6.262342G	Inf	2
166.08M	6.10148G	6.26756G	154.919M	6.107423G	6.262342G	Inf	3
165.84M	6.10172G	6.26756G	154.919M	6.107658G	6.262577G	Inf	4

6.425-6.525GHz_802.11ax HEW160_Nss1,(MCS0)_4TX EBW

6505MHz Straddle 6.425-6.525GHz

07/11/2022

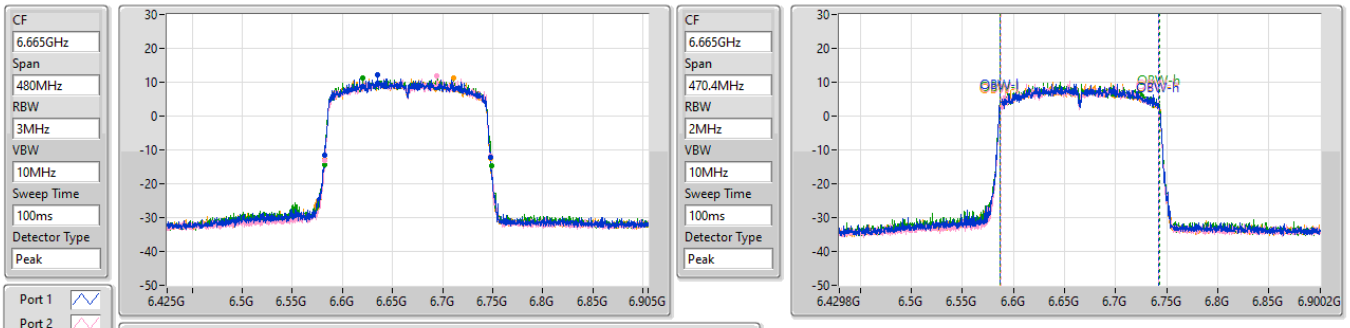


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
166.32M	6.42172G	6.58804G	154.483M	6.427519G	6.582001G	Inf	1
165.84M	6.42172G	6.58756G	154.483M	6.427519G	6.582001G	Inf	2
166.08M	6.4222G	6.58828G	154.723M	6.427519G	6.582241G	Inf	3
167.04M	6.421G	6.58804G	154.723M	6.427519G	6.582241G	Inf	4

6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_4TX EBW

6665MHz

07/11/2022

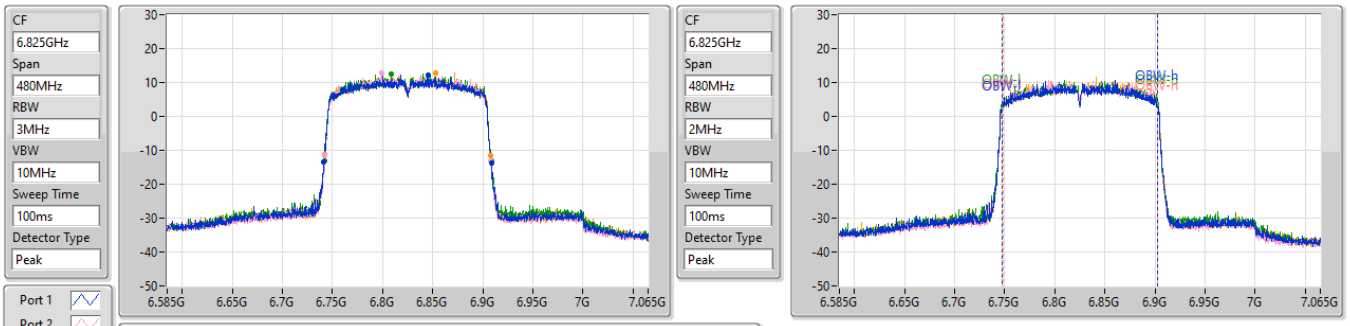


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
166.08M	6.58196G	6.74804G	155.154M	6.587188G	6.742342G	Inf	1
165.12M	6.5822G	6.74732G	154.684M	6.587658G	6.742342G	Inf	2
167.04M	6.58172G	6.74876G	155.154M	6.587423G	6.742577G	Inf	3
166.08M	6.58172G	6.7478G	154.919M	6.587423G	6.742342G	Inf	4

6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_4TX EBW

6825MHz Straddle 6.525-6.875GHz

07/11/2022

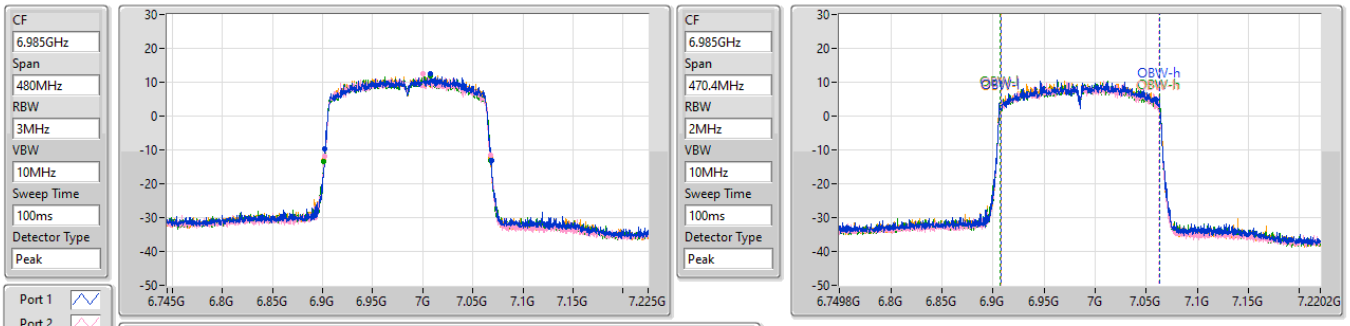


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
167.28M	6.74124G	6.90852G	154.963M	6.747519G	6.902481G	Inf	1
166.08M	6.74196G	6.90804G	154.243M	6.747999G	6.902241G	Inf	2
166.8M	6.74172G	6.90852G	155.442M	6.747279G	6.902721G	Inf	3
165.36M	6.74244G	6.9078G	154.723M	6.747759G	6.902481G	Inf	4

6.875-7.125GHz_802.11ax HEW160_Nss1,(MCS0)_4TX EBW

6985MHz

07/11/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
166.08M	6.90244G	7.06852G	154.919M	6.907658G	7.062577G	Inf	1
165.84M	6.90244G	7.06828G	154.684M	6.907658G	7.062342G	Inf	2
166.8M	6.90148G	7.06828G	155.39M	6.907188G	7.062577G	Inf	3
166.8M	6.90124G	7.06804G	154.214M	6.907893G	7.062107G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.41M	19.12M	19M1D1D	21.69M	19.062M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.62M	37.817M	37M8D1D	40.14M	37.723M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.68M	77.422M	77M4D1D	81.84M	77.087M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165.84M	155.391M	155MD1D	164.16M	154.834M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.59M	19.138M	19M1D1D	21.99M	19.065M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.5M	37.849M	37M8D1D	40.14M	37.667M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.68M	77.288M	77M3D1D	81.72M	77.139M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165.36M	155.348M	155MD1D	164.4M	154.748M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.5M	19.137M	19M1D1D	21.9M	19.055M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.74M	37.841M	37M8D1D	40.2M	37.657M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.68M	77.41M	77M4D1D	81.72M	77.003M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165.12M	155.161M	155MD1D	163.92M	154.736M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.41M	19.133M	19M1D1D	21.81M	19.05M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.74M	37.913M	37M9D1D	40.26M	37.73M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.56M	77.458M	77M5D1D	81.84M	77.149M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	164.88M	155.02M	155MD1D	163.44M	154.68M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

Result

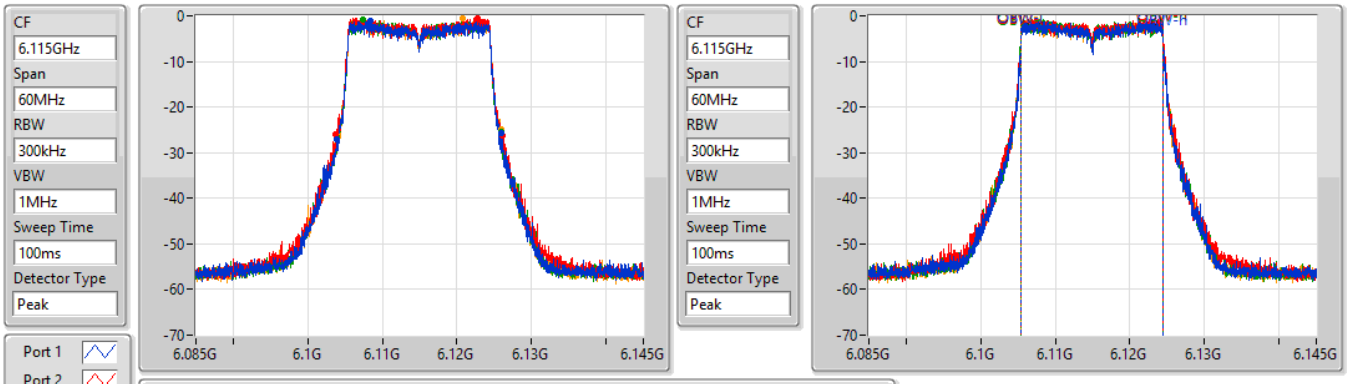
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6115MHz	Pass	Inf	22.08M	19.062M	22.41M	19.12M	22.2M	19.09M	21.99M	19.096M
6255MHz	Pass	Inf	22.05M	19.081M	22.2M	19.111M	21.99M	19.07M	22.32M	19.113M
6415MHz	Pass	Inf	21.84M	19.076M	22.02M	19.107M	21.69M	19.065M	22.32M	19.118M
6435MHz	Pass	Inf	22.14M	19.135M	22.32M	19.138M	22.32M	19.075M	22.29M	19.111M
6475MHz	Pass	Inf	22.11M	19.085M	22.35M	19.111M	22.5M	19.077M	22.14M	19.088M
6515MHz	Pass	Inf	21.99M	19.076M	22.59M	19.115M	22.2M	19.065M	22.2M	19.099M
6535MHz	Pass	Inf	22.08M	19.067M	22.14M	19.094M	22.08M	19.08M	21.9M	19.097M
6695MHz	Pass	Inf	21.99M	19.101M	22.14M	19.109M	22.29M	19.085M	22.08M	19.103M
6855MHz	Pass	Inf	22.26M	19.06M	22.02M	19.137M	22.05M	19.075M	22.5M	19.1M
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	22.05M	19.077M	22.44M	19.098M	22.26M	19.055M	22.29M	19.132M
6895MHz	Pass	Inf	22.23M	19.088M	22.41M	19.121M	22.05M	19.059M	22.38M	19.104M
6995MHz	Pass	Inf	21.81M	19.08M	22.23M	19.133M	21.96M	19.053M	22.29M	19.106M
7095MHz	Pass	Inf	22.02M	19.073M	22.35M	19.118M	22.11M	19.055M	22.2M	19.096M
7115MHz	Pass	Inf	21.81M	19.078M	22.17M	19.119M	22.02M	19.05M	22.08M	19.095M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6125MHz	Pass	Inf	40.5M	37.765M	40.62M	37.754M	40.2M	37.774M	40.26M	37.723M
6245MHz	Pass	Inf	40.14M	37.806M	40.44M	37.771M	40.56M	37.744M	40.32M	37.731M
6405MHz	Pass	Inf	40.26M	37.758M	40.38M	37.817M	40.44M	37.779M	40.44M	37.796M
6445MHz	Pass	Inf	40.2M	37.792M	40.2M	37.75M	40.2M	37.705M	40.14M	37.716M
6485MHz	Pass	Inf	40.32M	37.797M	40.44M	37.839M	40.38M	37.849M	40.44M	37.73M
6525MHz Straddle 6.425-6.525GHz	Pass	Inf	40.32M	37.667M	40.44M	37.727M	40.5M	37.741M	40.2M	37.734M
6565MHz	Pass	Inf	40.44M	37.801M	40.5M	37.809M	40.44M	37.787M	40.68M	37.802M
6725MHz	Pass	Inf	40.56M	37.773M	40.38M	37.772M	40.2M	37.803M	40.32M	37.731M
6845MHz	Pass	Inf	40.5M	37.763M	40.68M	37.767M	40.44M	37.806M	40.26M	37.679M
6885MHz Straddle 6.525-6.875GHz	Pass	Inf	40.74M	37.776M	40.5M	37.657M	40.38M	37.841M	40.56M	37.687M
6925MHz	Pass	Inf	40.62M	37.767M	40.5M	37.73M	40.56M	37.913M	40.44M	37.801M
7005MHz	Pass	Inf	40.38M	37.751M	40.38M	37.784M	40.32M	37.808M	40.38M	37.812M
7085MHz	Pass	Inf	40.32M	37.784M	40.44M	37.797M	40.26M	37.779M	40.74M	37.84M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6145MHz	Pass	Inf	82.32M	77.164M	82.56M	77.087M	82.56M	77.276M	82.44M	77.119M
6225MHz	Pass	Inf	81.84M	77.292M	82.56M	77.233M	82.68M	77.422M	81.96M	77.232M
6385MHz	Pass	Inf	82.44M	77.38M	82.56M	77.367M	82.2M	77.295M	81.96M	77.256M
6465MHz	Pass	Inf	82.44M	77.205M	82.08M	77.217M	82.08M	77.139M	81.72M	77.175M
6545MHz Straddle 6.425-6.525GHz	Pass	Inf	82.08M	77.249M	82.2M	77.278M	82.68M	77.288M	82.2M	77.229M
6625MHz	Pass	Inf	82.2M	77.075M	81.84M	77.195M	81.72M	77.202M	81.72M	77.072M
6705MHz	Pass	Inf	82.56M	77.171M	81.84M	77.198M	82.08M	77.4M	81.72M	77.375M
6785MHz	Pass	Inf	81.84M	77.256M	81.96M	77.187M	82.68M	77.329M	81.96M	77.003M
6865MHz Straddle 6.525-6.875GHz	Pass	Inf	82.44M	77.307M	82.2M	77.201M	82.32M	77.41M	82.32M	77.259M
6945MHz	Pass	Inf	81.96M	77.293M	81.96M	77.157M	82.56M	77.276M	82.08M	77.245M
7025MHz	Pass	Inf	81.96M	77.149M	81.84M	77.174M	81.96M	77.458M	81.96M	77.229M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6185MHz	Pass	Inf	165.36M	154.987M	164.4M	154.947M	164.88M	155.391M	164.88M	155.156M
6345MHz	Pass	Inf	165.84M	155.048M	164.16M	154.937M	164.64M	155.166M	165.12M	154.834M
6505MHz Straddle 6.425-6.525GHz	Pass	Inf	164.4M	155.348M	164.64M	155.11M	165.36M	154.812M	164.4M	154.748M
6665MHz	Pass	Inf	164.4M	154.736M	164.4M	155.161M	164.4M	154.872M	164.4M	155.029M
6825MHz Straddle 6.525-6.875GHz	Pass	Inf	165.12M	154.821M	164.16M	154.823M	164.88M	154.865M	163.92M	154.874M
6985MHz	Pass	Inf	163.44M	155.02M	164.64M	154.68M	164.88M	154.864M	164.4M	154.994M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

6115MHz

06/10/2022

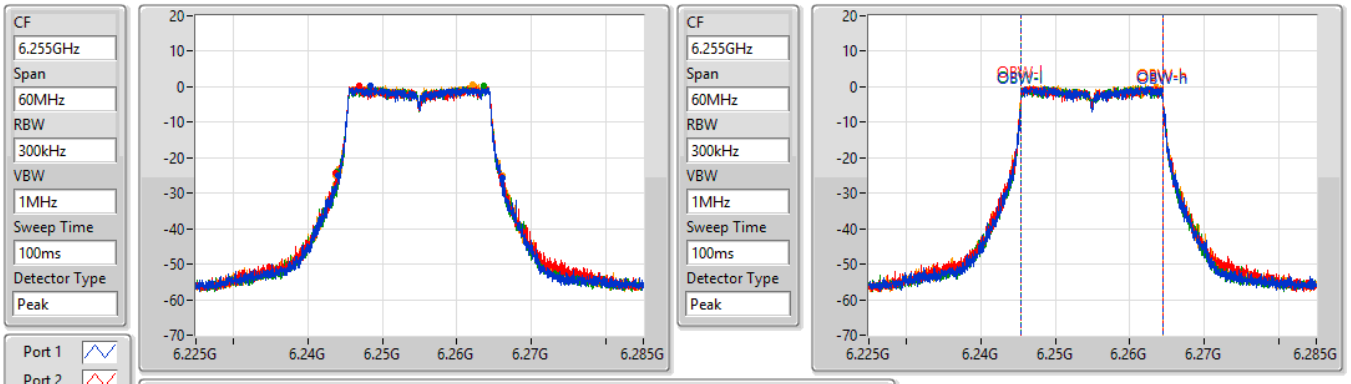


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.08M	6.10384G	6.12592G	19.062M	6.105409G	6.124471G	Inf	1
22.41M	6.10369G	6.1261G	19.12M	6.10538G	6.1245G	Inf	2
22.2M	6.10381G	6.12601G	19.09M	6.105389G	6.124479G	Inf	3
21.99M	6.10402G	6.12601G	19.096M	6.105391G	6.124487G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

6255MHz

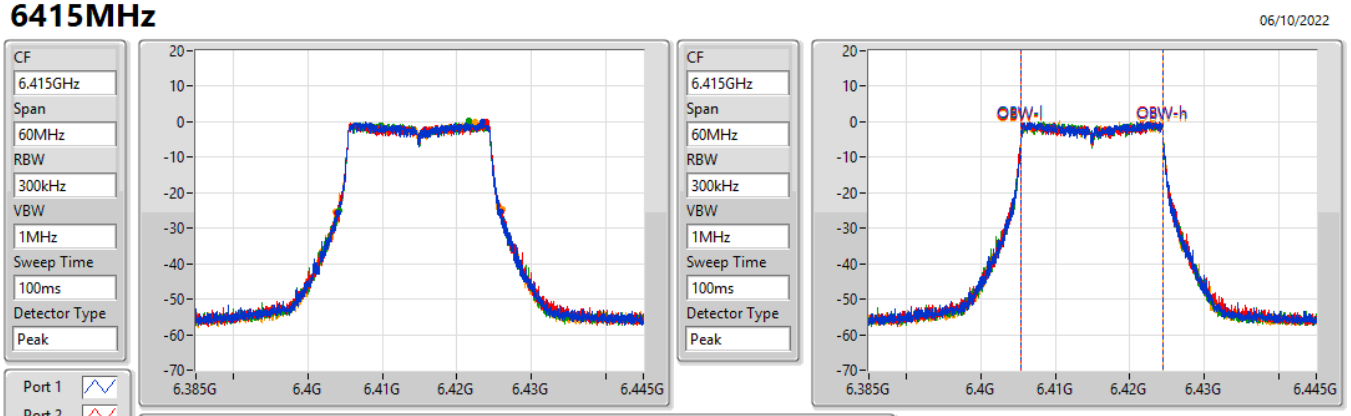
06/10/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.05M	6.24405G	6.2661G	19.081M	6.245401G	6.264482G	Inf	1
22.2M	6.24378G	6.26598G	19.111M	6.24537G	6.264482G	Inf	2
21.99M	6.24396G	6.26595G	19.07M	6.245402G	6.264472G	Inf	3
22.32M	6.24378G	6.2661G	19.113M	6.245367G	6.26448G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

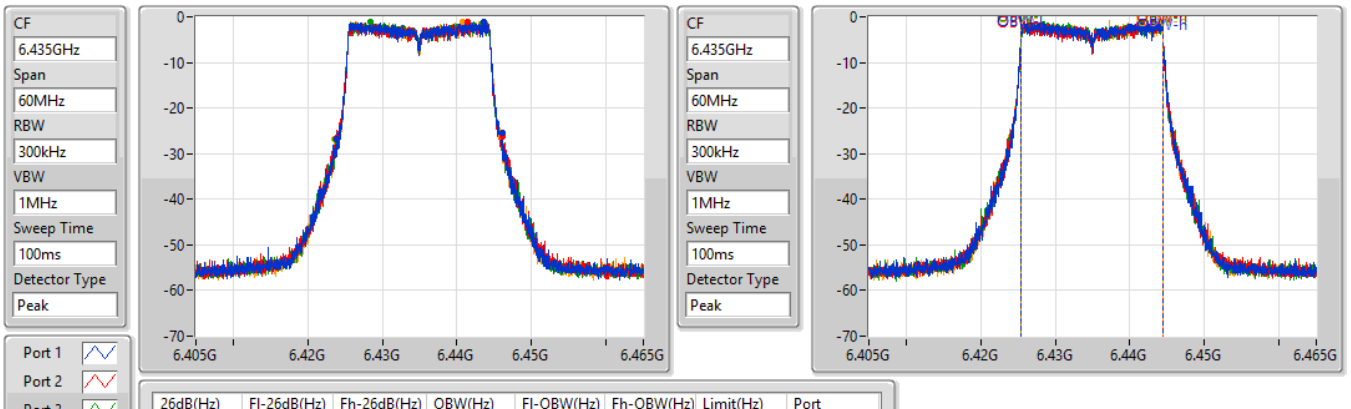
6415MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.84M	6.40402G	6.42586G	19.076M	6.405394G	6.42447G	Inf	1
22.02M	6.40393G	6.42595G	19.107M	6.405379G	6.424486G	Inf	2
21.69M	6.40423G	6.42592G	19.065M	6.405403G	6.424468G	Inf	3
22.32M	6.40375G	6.42607G	19.118M	6.405378G	6.424497G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

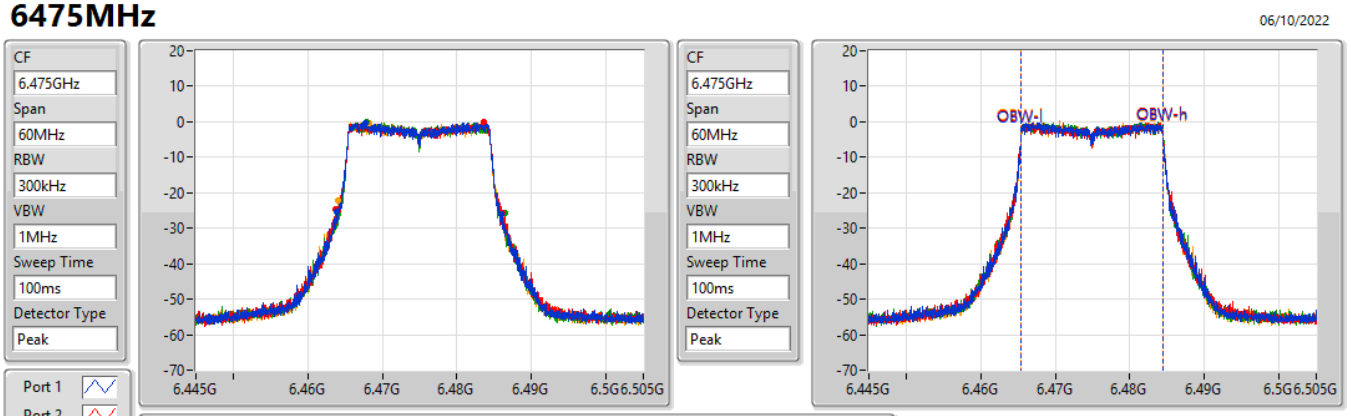
6435MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.14M	6.42393G	6.44607G	19.135M	6.425365G	6.444501G	Inf	1
22.32M	6.42381G	6.44613G	19.138M	6.425359G	6.444497G	Inf	2
22.32M	6.42375G	6.44607G	19.075M	6.425399G	6.444475G	Inf	3
22.29M	6.42363G	6.44592G	19.111M	6.425381G	6.444492G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

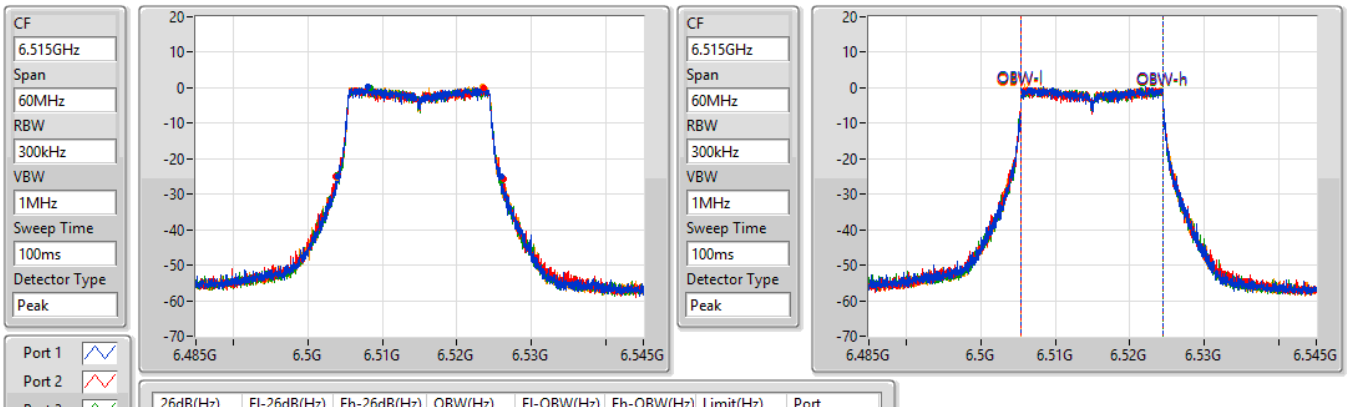
6475MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.11M	6.46384G	6.48595G	19.085M	6.46539G	6.484475G	Inf	1
22.35M	6.46375G	6.4861G	19.111M	6.465376G	6.484486G	Inf	2
22.5M	6.46387G	6.48637G	19.077M	6.465399G	6.484477G	Inf	3
22.14M	6.46402G	6.48616G	19.088M	6.465397G	6.484485G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

6515MHz

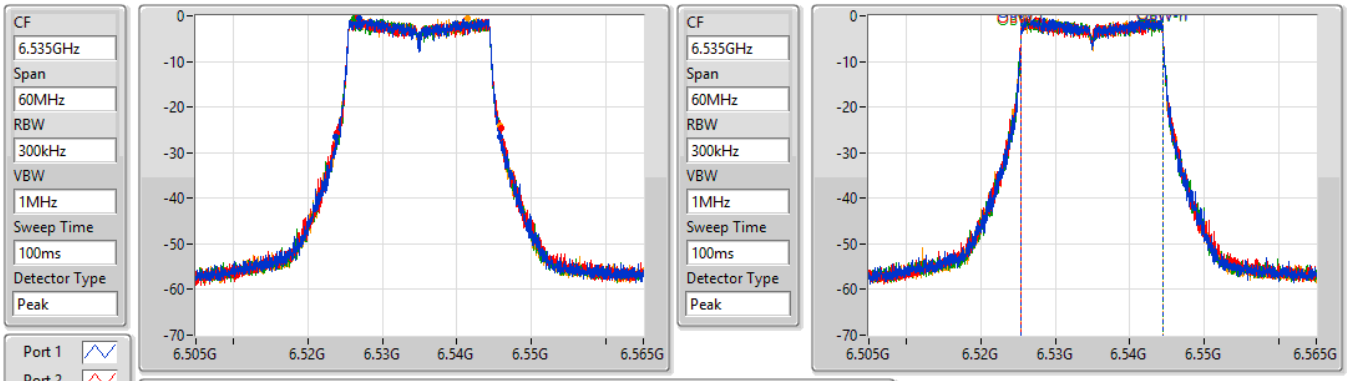


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.99M	6.50399G	6.52598G	19.076M	6.505398G	6.524475G	Inf	1
22.59M	6.50375G	6.52634G	19.115M	6.50537G	6.524485G	Inf	2
22.2M	6.50384G	6.52604G	19.065M	6.505403G	6.524468G	Inf	3
22.2M	6.50387G	6.52607G	19.099M	6.505385G	6.524484G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

6535MHz

06/10/2022

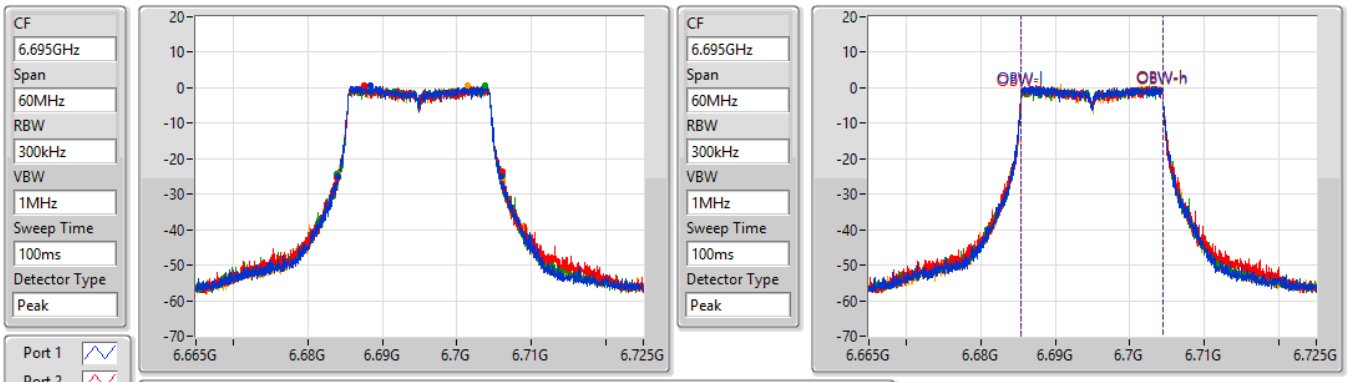


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.08M	6.52378G	6.54586G	19.067M	6.525397G	6.544465G	Inf	1
22.14M	6.52384G	6.54598G	19.094M	6.525373G	6.544468G	Inf	2
22.08M	6.5239G	6.54598G	19.08M	6.525384G	6.544464G	Inf	3
21.9M	6.5239G	6.5458G	19.097M	6.525376G	6.544474G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

6695MHz

06/10/2022

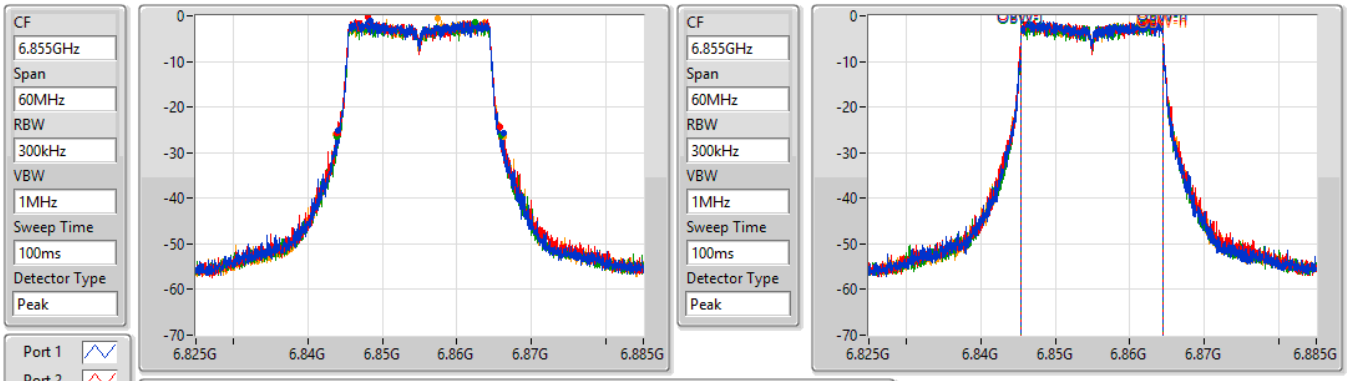


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.99M	6.68399G	6.70598G	19.101M	6.685386G	6.704487G	Inf	1
22.14M	6.68396G	6.7061G	19.109M	6.685369G	6.704479G	Inf	2
22.29M	6.68384G	6.70613G	19.085M	6.68539G	6.704475G	Inf	3
22.08M	6.68399G	6.70607G	19.103M	6.685386G	6.704489G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

6855MHz

06/10/2022

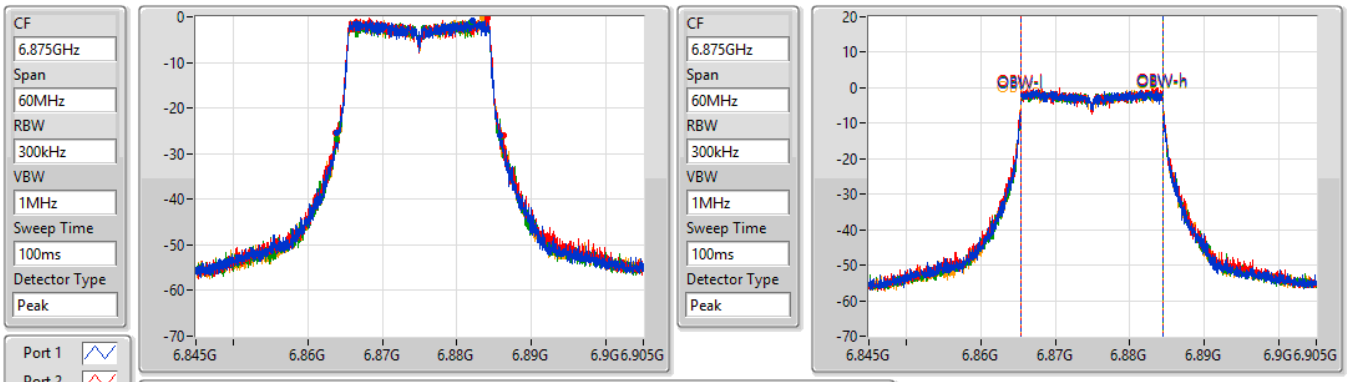


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.26M	6.84399G	6.86625G	19.06M	6.845405G	6.864465G	Inf	1
22.02M	6.84381G	6.86583G	19.137M	6.845361G	6.864498G	Inf	2
22.05M	6.84387G	6.86592G	19.075M	6.845405G	6.86448G	Inf	3
22.5M	6.84375G	6.86625G	19.1M	6.845393G	6.864493G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

6875MHz Straddle 6.525-6.875GHz

06/10/2022

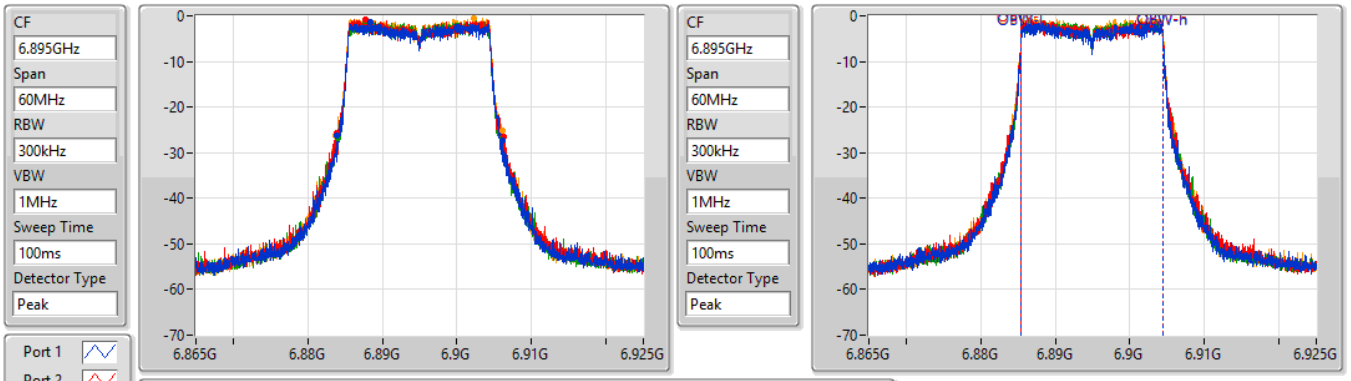


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.05M	6.86381G	6.88586G	19.077M	6.865382G	6.884459G	Inf	1
22.44M	6.86378G	6.88622G	19.098M	6.86536G	6.884458G	Inf	2
22.26M	6.86381G	6.88607G	19.055M	6.865399G	6.884453G	Inf	3
22.29M	6.86381G	6.8861G	19.132M	6.865354G	6.884486G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

6895MHz

06/10/2022

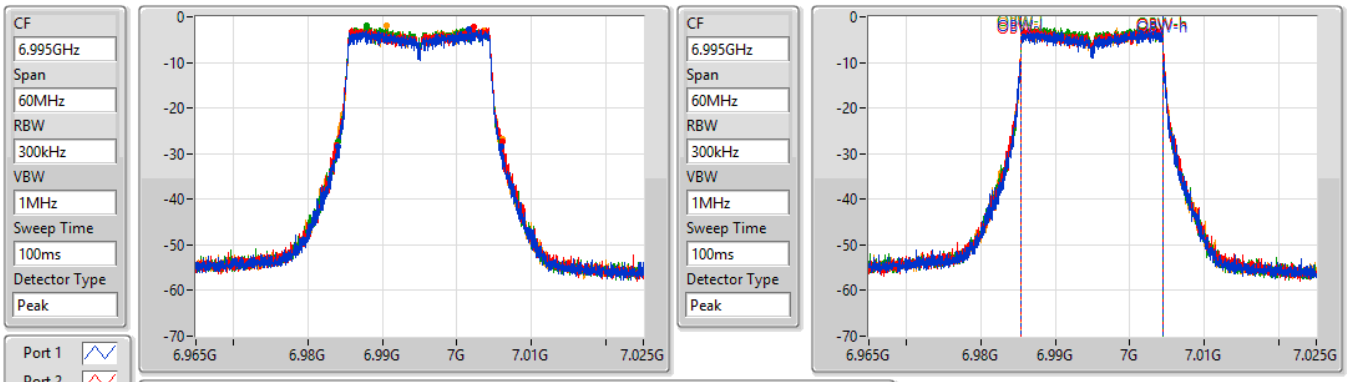


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.23M	6.88384G	6.90607G	19.088M	6.885385G	6.904473G	Inf	1
22.41M	6.88387G	6.90628G	19.121M	6.885375G	6.904496G	Inf	2
22.05M	6.88399G	6.90604G	19.059M	6.885403G	6.904462G	Inf	3
22.38M	6.88378G	6.90616G	19.104M	6.885388G	6.904492G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

6995MHz

06/10/2022

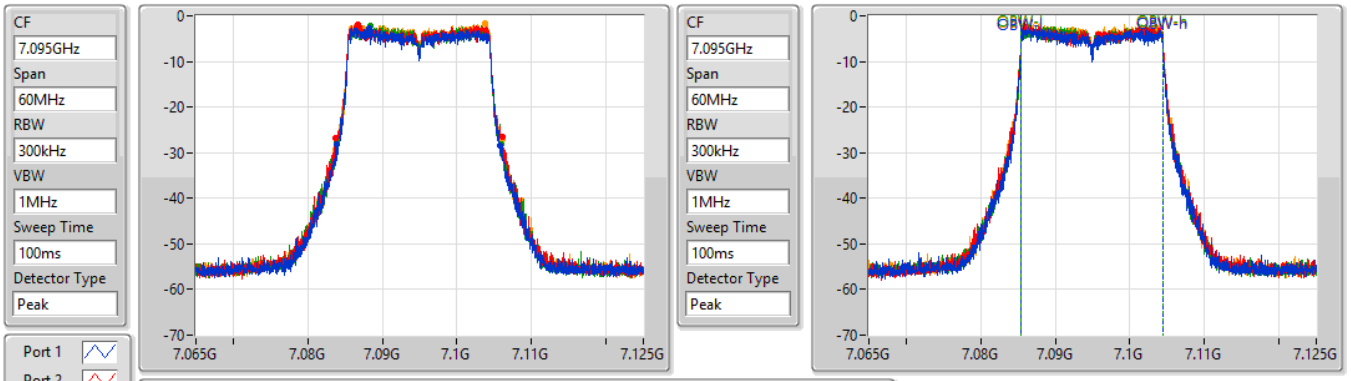


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.81M	6.98408G	7.00589G	19.08M	6.985395G	7.004475G	Inf	1
22.23M	6.98384G	7.00607G	19.133M	6.985358G	7.004491G	Inf	2
21.96M	6.98402G	7.00598G	19.053M	6.985394G	7.004447G	Inf	3
22.29M	6.98381G	7.0061G	19.106M	6.985383G	7.004488G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

7095MHz

06/10/2022

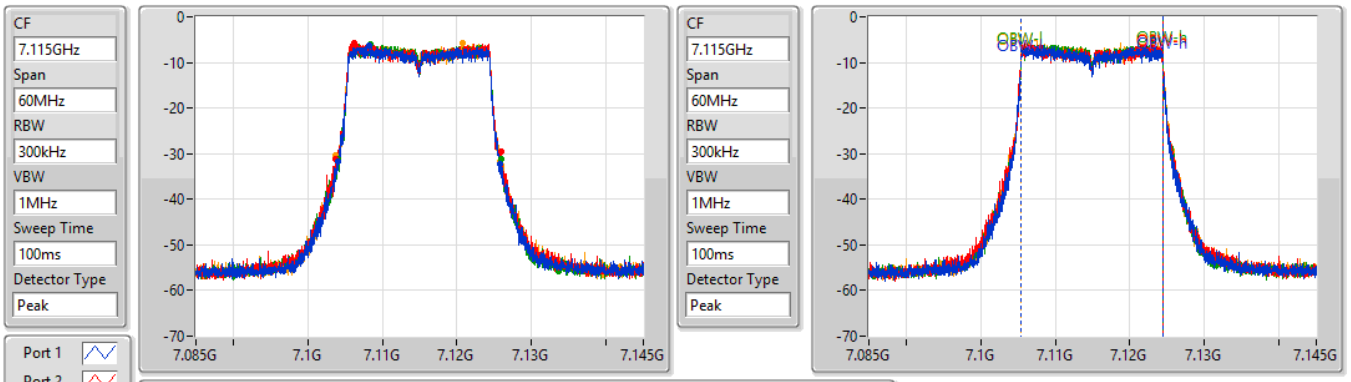


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.02M	7.08384G	7.10586G	19.073M	7.085379G	7.104452G	Inf	1
22.35M	7.08369G	7.10604G	19.118M	7.085371G	7.104489G	Inf	2
22.11M	7.08387G	7.10598G	19.055M	7.085391G	7.104446G	Inf	3
22.2M	7.0839G	7.1061G	19.096M	7.085366G	7.104463G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

7115MHz

06/10/2022

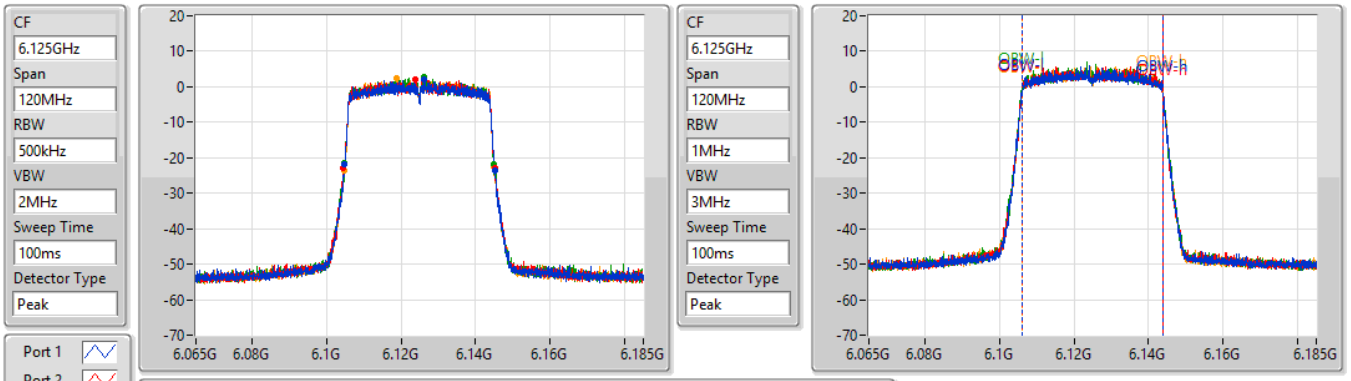


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.81M	7.10399G	7.1258G	19.078M	7.105381G	7.124458G	Inf	1
22.17M	7.10375G	7.12592G	19.119M	7.105351G	7.12447G	Inf	2
22.02M	7.10399G	7.12601G	19.05M	7.105396G	7.124446G	Inf	3
22.08M	7.10378G	7.12586G	19.095M	7.105385G	7.12448G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

6125MHz

06/10/2022

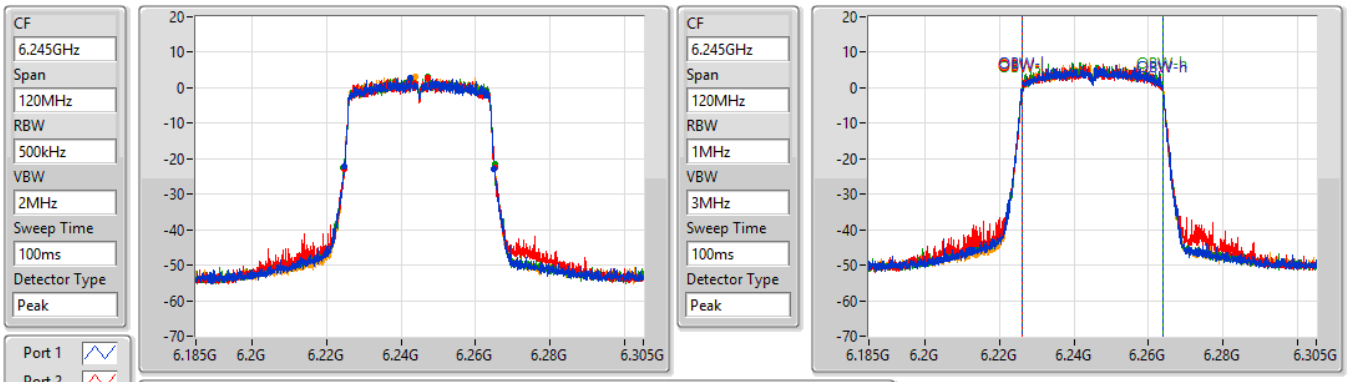


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	6.10472G	6.14522G	37.765M	6.106066G	6.143831G	Inf	1
40.62M	6.1046G	6.14522G	37.754M	6.106052G	6.143806G	Inf	2
40.2M	6.10478G	6.14498G	37.774M	6.106021G	6.143795G	Inf	3
40.26M	6.10472G	6.14498G	37.723M	6.106075G	6.143798G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

6245MHz

06/10/2022

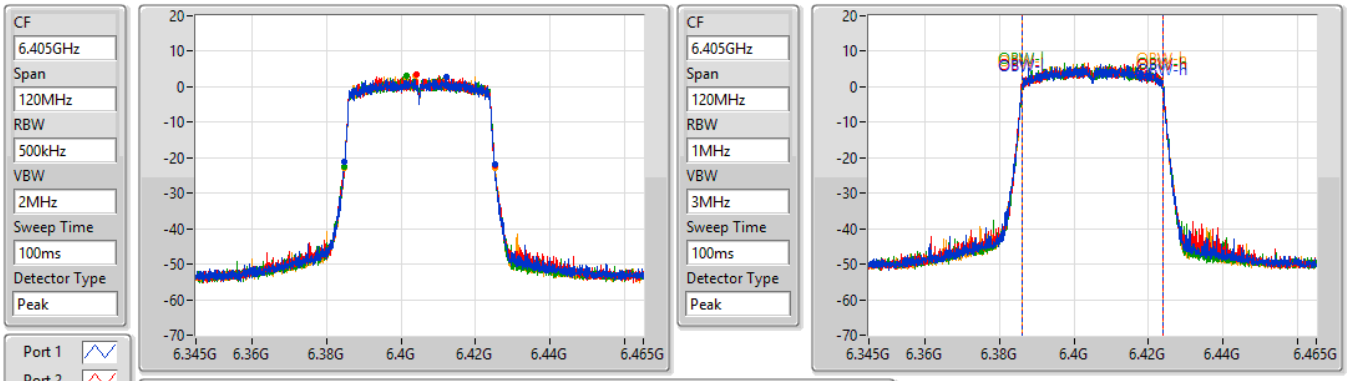


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	6.2249G	6.26504G	37.806M	6.226042G	6.263845G	Inf	1
40.44M	6.22472G	6.26516G	37.771M	6.226042G	6.263813G	Inf	2
40.56M	6.2246G	6.26516G	37.744M	6.226059G	6.263803G	Inf	3
40.32M	6.22478G	6.2651G	37.731M	6.226087G	6.263818G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

6405MHz

06/10/2022

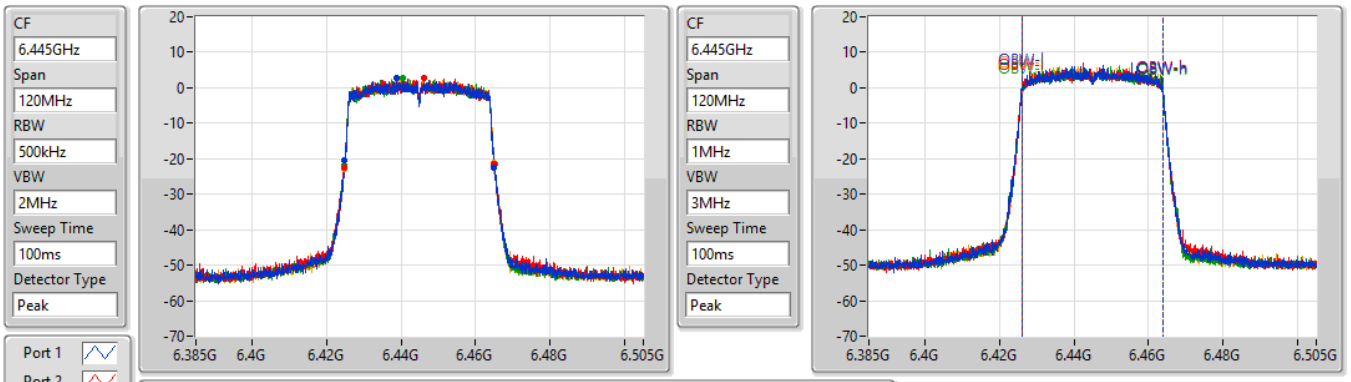


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	6.3849G	6.42516G	37.758M	6.386106G	6.423865G	Inf	1
40.38M	6.38484G	6.42522G	37.817M	6.386016G	6.423833G	Inf	2
40.44M	6.38466G	6.4251G	37.779M	6.3861G	6.423879G	Inf	3
40.44M	6.38472G	6.42516G	37.796M	6.386069G	6.423865G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

6445MHz

06/10/2022

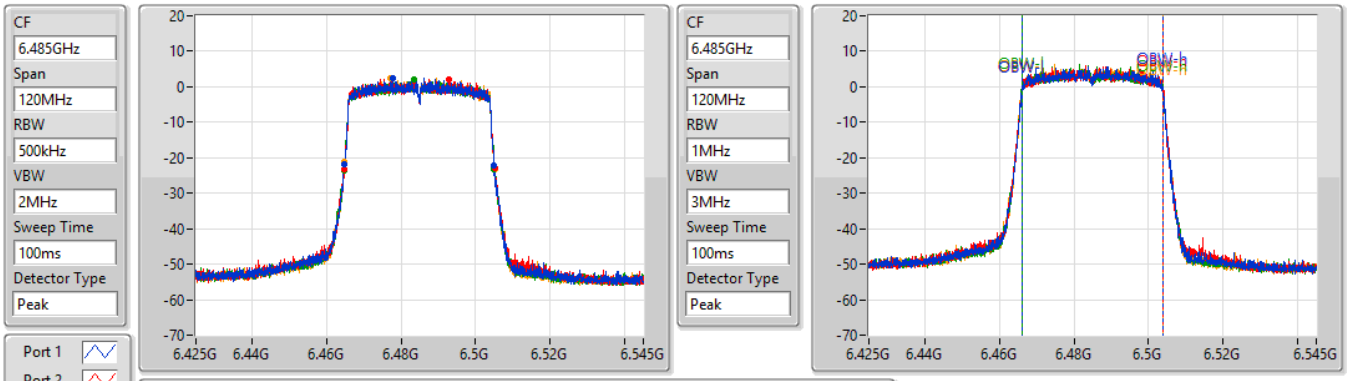


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	6.42484G	6.46504G	37.792M	6.426012G	6.463803G	Inf	1
40.2M	6.42484G	6.46504G	37.75M	6.426021G	6.463771G	Inf	2
40.2M	6.4249G	6.4651G	37.705M	6.426081G	6.463786G	Inf	3
40.14M	6.42484G	6.46498G	37.716M	6.426056G	6.463772G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

6485MHz

06/10/2022

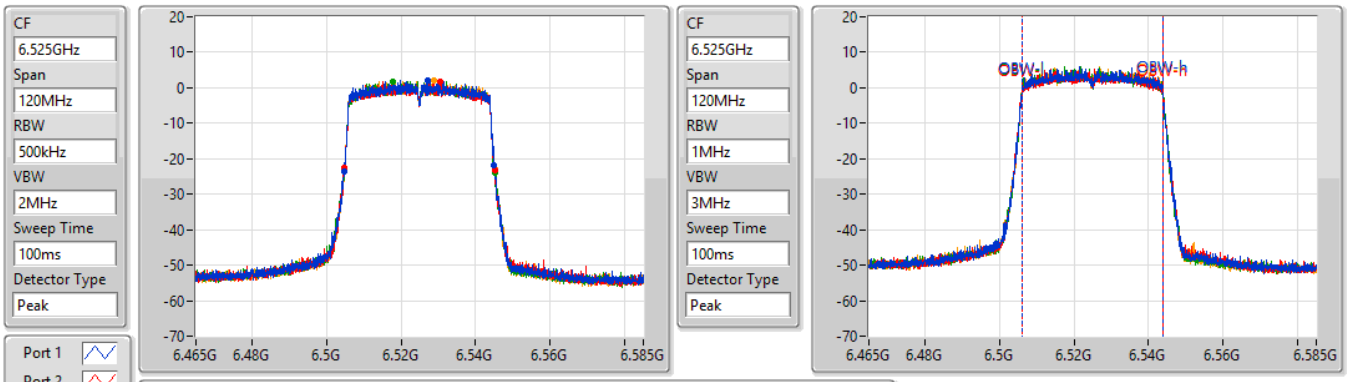


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.32M	6.46466G	6.50498G	37.797M	6.46602G	6.503817G	Inf	1
40.44M	6.46478G	6.50522G	37.839M	6.466008G	6.503848G	Inf	2
40.38M	6.46466G	6.50504G	37.849M	6.465992G	6.503841G	Inf	3
40.44M	6.46466G	6.5051G	37.73M	6.466021G	6.503751G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

6525MHz Straddle 6.425-6.525GHz

06/10/2022

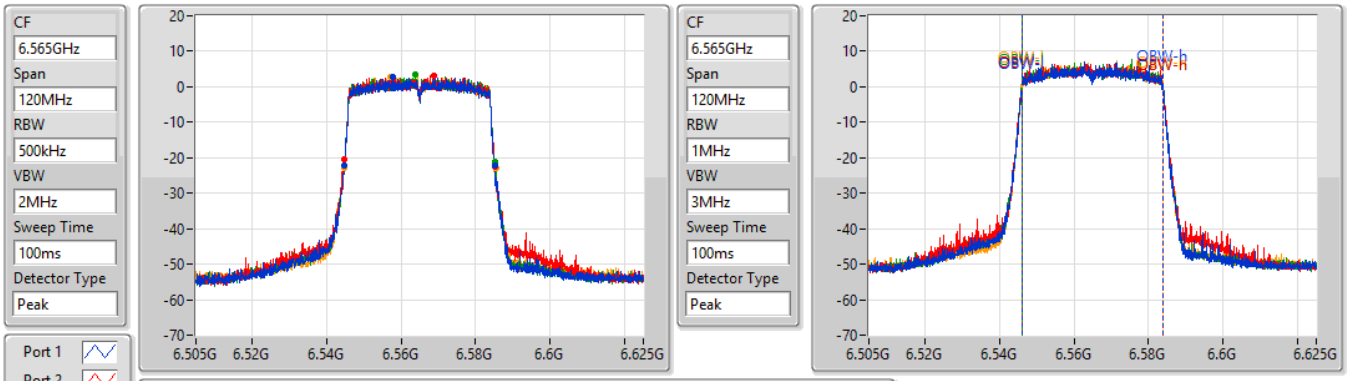


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.32M	6.50466G	6.54498G	37.667M	6.506076G	6.543743G	Inf	1
40.44M	6.50466G	6.5451G	37.727M	6.506039G	6.543766G	Inf	2
40.5M	6.50472G	6.54522G	37.741M	6.506048G	6.543789G	Inf	3
40.2M	6.5049G	6.5451G	37.734M	6.506049G	6.543783G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

6565MHz

06/10/2022

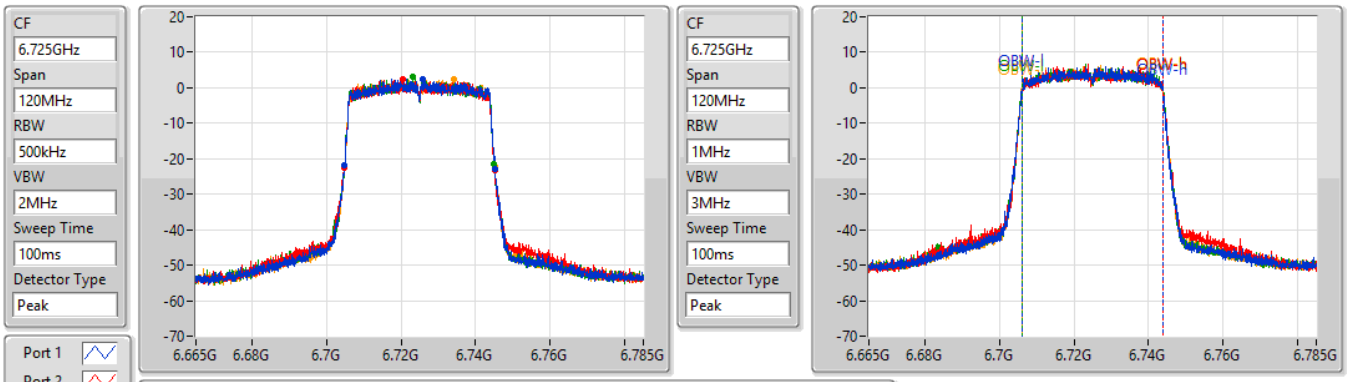


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.44M	6.54472G	6.58516G	37.801M	6.546042G	6.583843G	Inf	1
40.5M	6.54466G	6.58516G	37.809M	6.546053G	6.583862G	Inf	2
40.44M	6.54472G	6.58516G	37.787M	6.546031G	6.583818G	Inf	3
40.68M	6.54472G	6.5854G	37.802M	6.546005G	6.583807G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

6725MHz

06/10/2022

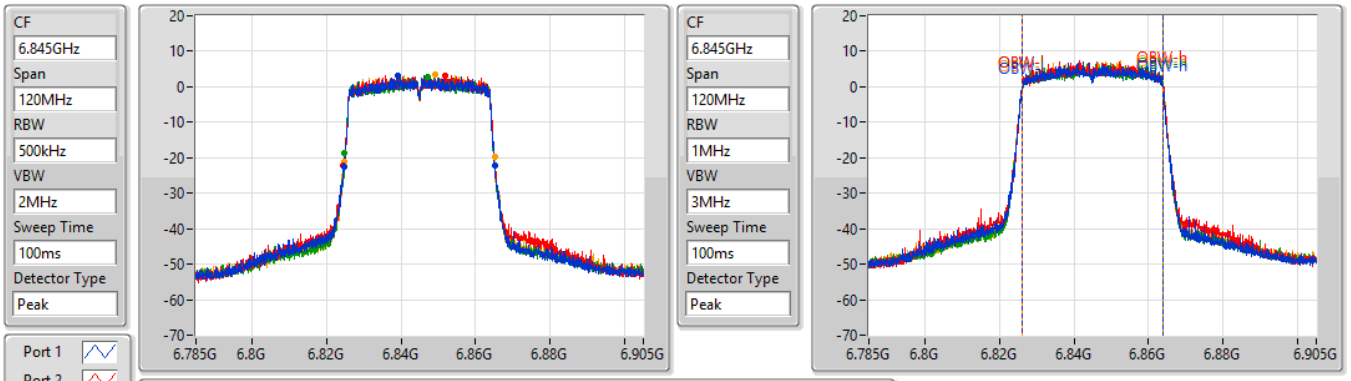


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.56M	6.70472G	6.74528G	37.773M	6.706032G	6.743804G	Inf	1
40.38M	6.70472G	6.7451G	37.772M	6.706045G	6.743817G	Inf	2
40.2M	6.70478G	6.74498G	37.803M	6.706055G	6.743858G	Inf	3
40.32M	6.70478G	6.7451G	37.731M	6.706062G	6.743794G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

6845MHz

06/10/2022

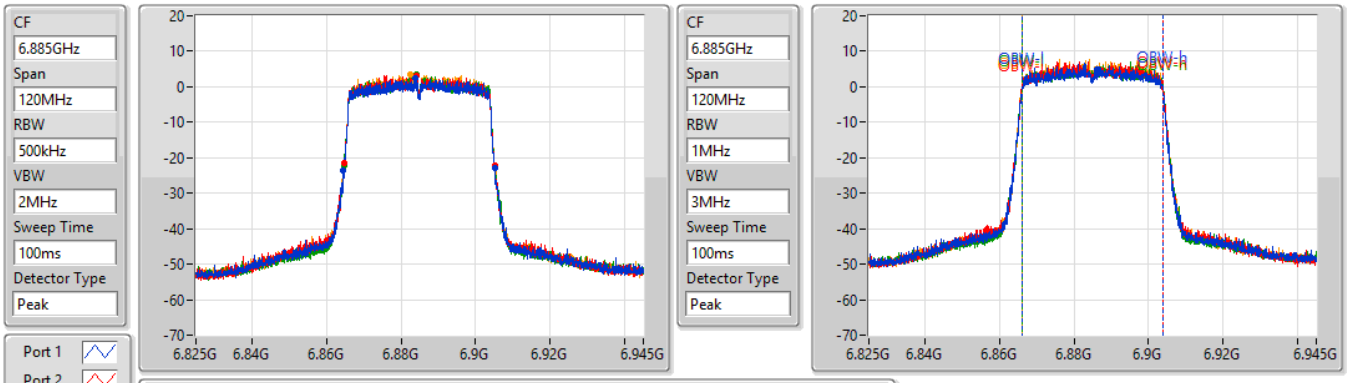


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	6.82466G	6.86516G	37.763M	6.826078G	6.863841G	Inf	1
40.68M	6.8246G	6.86528G	37.767M	6.826088G	6.863855G	Inf	2
40.44M	6.82472G	6.86516G	37.806M	6.826061G	6.863867G	Inf	3
40.26M	6.82484G	6.8651G	37.679M	6.826123G	6.863802G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

6885MHz Straddle 6.525-6.875GHz

06/10/2022

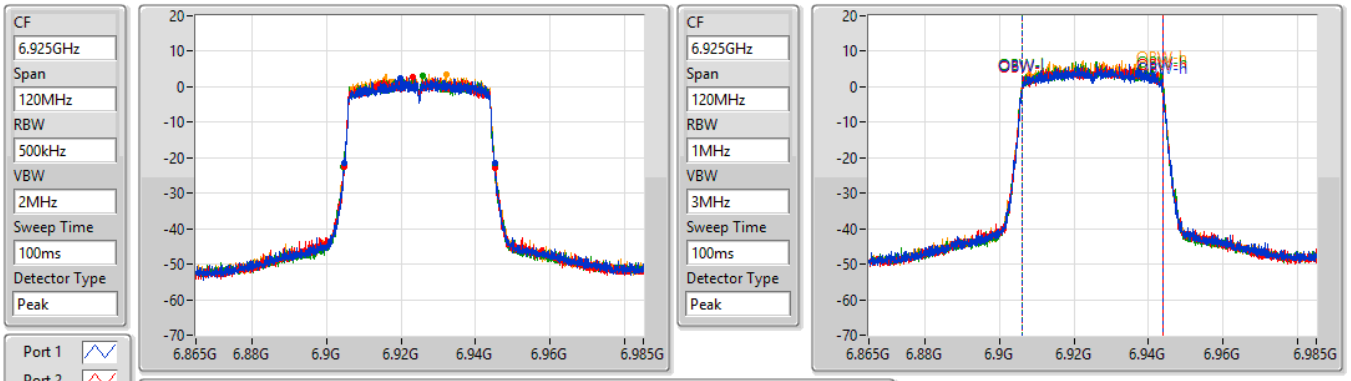


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.74M	6.86442G	6.90516G	37.776M	6.866049G	6.903825G	Inf	1
40.5M	6.86472G	6.90522G	37.657M	6.866094G	6.903751G	Inf	2
40.38M	6.86472G	6.9051G	37.841M	6.866038G	6.903879G	Inf	3
40.56M	6.86466G	6.90522G	37.687M	6.86608G	6.903767G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

6925MHz

06/10/2022

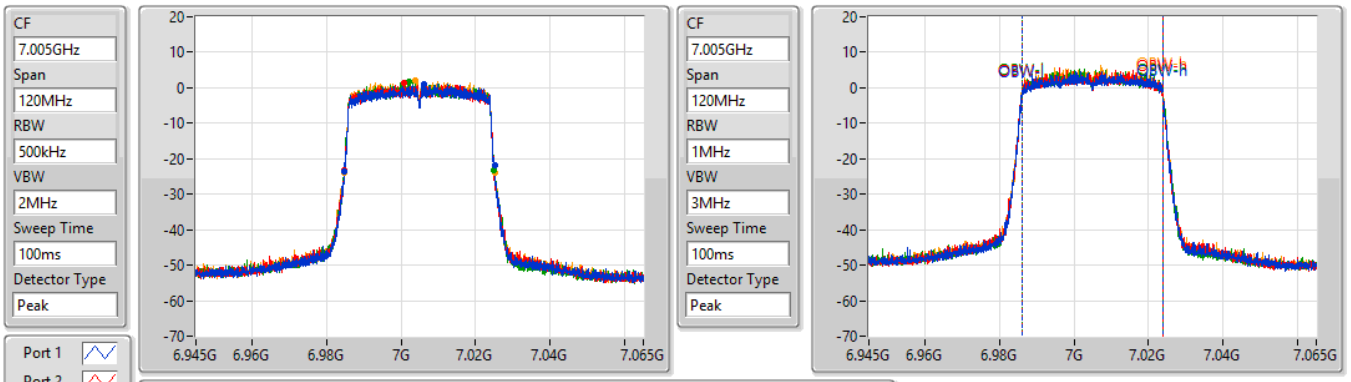


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.62M	6.90466G	6.94528G	37.767M	6.906088G	6.943856G	Inf	1
40.5M	6.90472G	6.94522G	37.73M	6.906056G	6.943786G	Inf	2
40.56M	6.9046G	6.94516G	37.913M	6.906005G	6.943919G	Inf	3
40.44M	6.90472G	6.94516G	37.801M	6.906053G	6.943854G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

7005MHz

06/10/2022

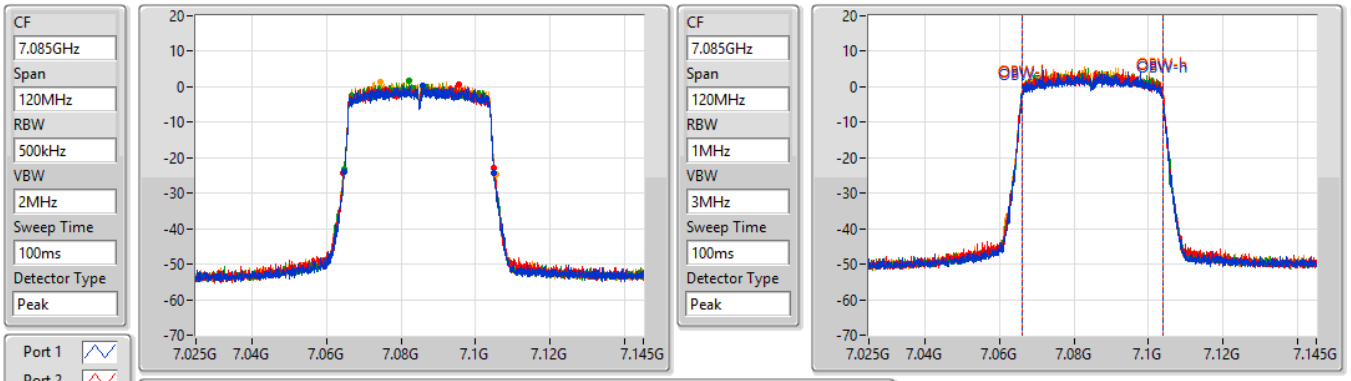


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.38M	6.98472G	7.0251G	37.751M	6.986075G	7.023826G	Inf	1
40.38M	6.98472G	7.0251G	37.784M	6.986026G	7.02381G	Inf	2
40.32M	6.98472G	7.02504G	37.808M	6.986045G	7.023852G	Inf	3
40.38M	6.98472G	7.0251G	37.812M	6.986055G	7.023867G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

7085MHz

06/10/2022

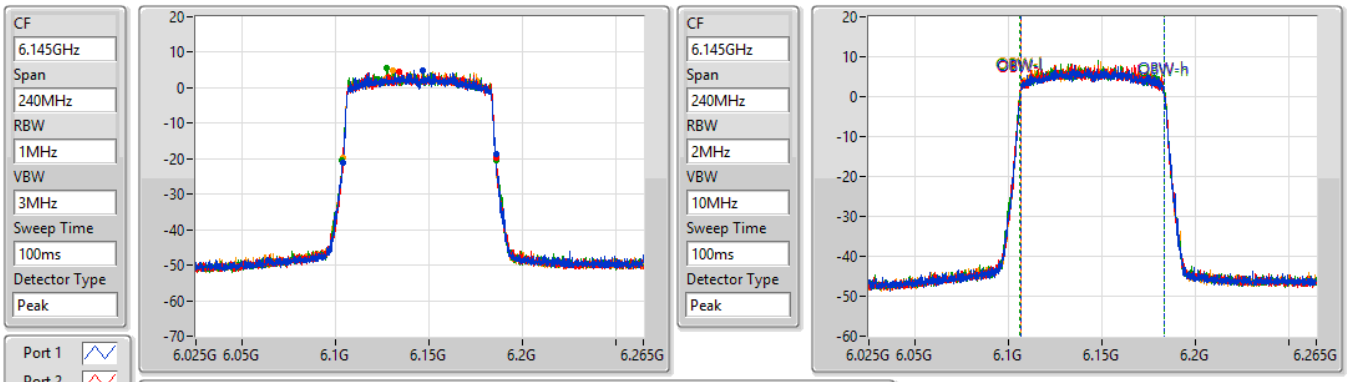


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.32M	7.06472G	7.10504G	37.784M	7.066023G	7.103807G	Inf	1
40.44M	7.0646G	7.10504G	37.797M	7.066024G	7.10382G	Inf	2
40.26M	7.06472G	7.10498G	37.779M	7.066043G	7.103822G	Inf	3
40.74M	7.06466G	7.1054G	37.84M	7.065998G	7.103838G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

6145MHz

06/10/2022

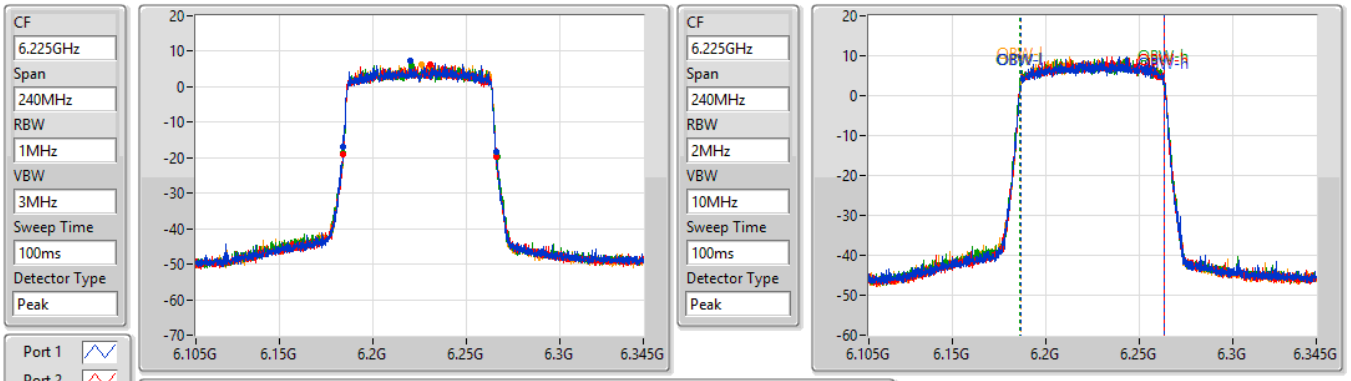


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	6.10372G	6.18604G	77.164M	6.106291G	6.183455G	Inf	1
82.56M	6.1036G	6.18616G	77.087M	6.106331G	6.183418G	Inf	2
82.56M	6.10348G	6.18604G	77.276M	6.106225G	6.183501G	Inf	3
82.44M	6.1036G	6.18604G	77.119M	6.106334G	6.183453G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

6225MHz

06/10/2022

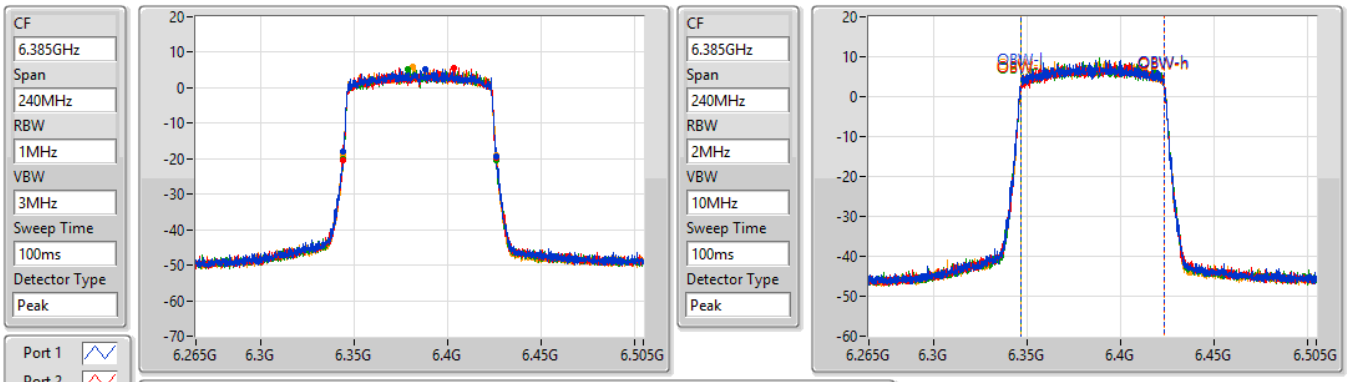


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	6.18396G	6.2658G	77.292M	6.186329G	6.26362G	Inf	1
82.56M	6.18372G	6.26628G	77.233M	6.186319G	6.263553G	Inf	2
82.68M	6.18384G	6.26652G	77.422M	6.186222G	6.263644G	Inf	3
81.96M	6.18384G	6.2658G	77.232M	6.18636G	6.263591G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

6385MHz

06/10/2022

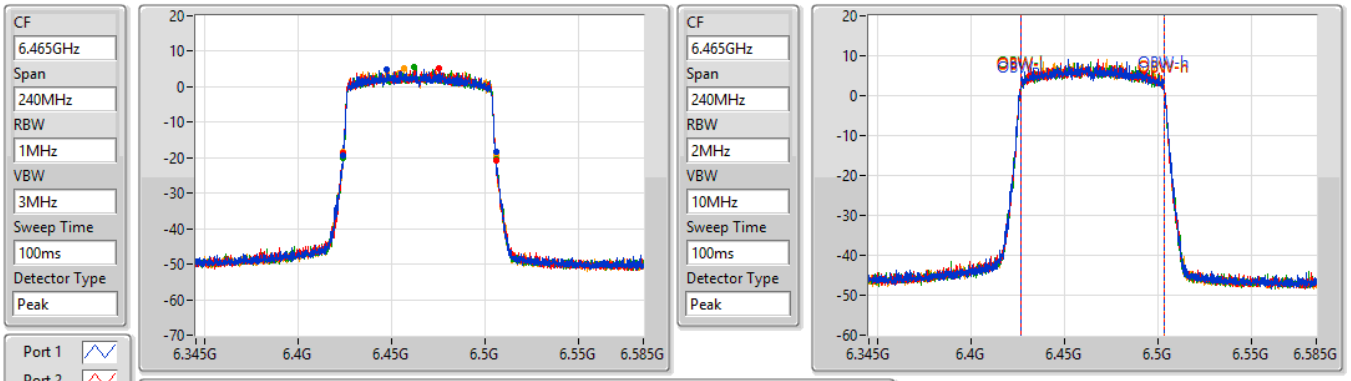


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.44M	6.34372G	6.42616G	77.38M	6.346257G	6.423636G	Inf	1
82.56M	6.3436G	6.42616G	77.367M	6.346316G	6.423683G	Inf	2
82.2M	6.34396G	6.42616G	77.295M	6.346395G	6.423691G	Inf	3
81.96M	6.34396G	6.42592G	77.256M	6.346351G	6.423608G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

6465MHz

06/10/2022

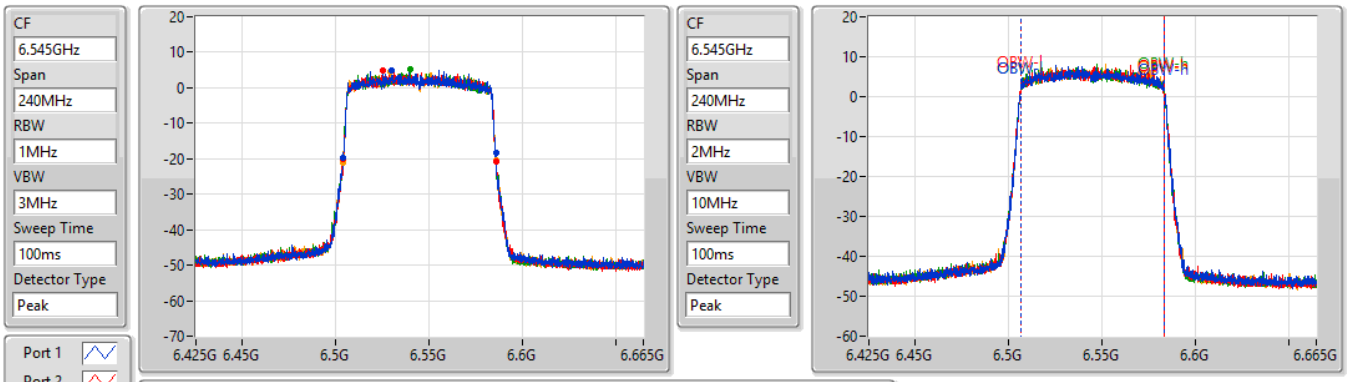


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.44M	6.42372G	6.50616G	77.205M	6.426257G	6.503461G	Inf	1
82.08M	6.42396G	6.50604G	77.217M	6.426263G	6.50348G	Inf	2
82.08M	6.42396G	6.50604G	77.139M	6.426326G	6.503465G	Inf	3
81.72M	6.42408G	6.5058G	77.175M	6.426269G	6.503444G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

6545MHz Straddle 6.425-6.525GHz

06/10/2022

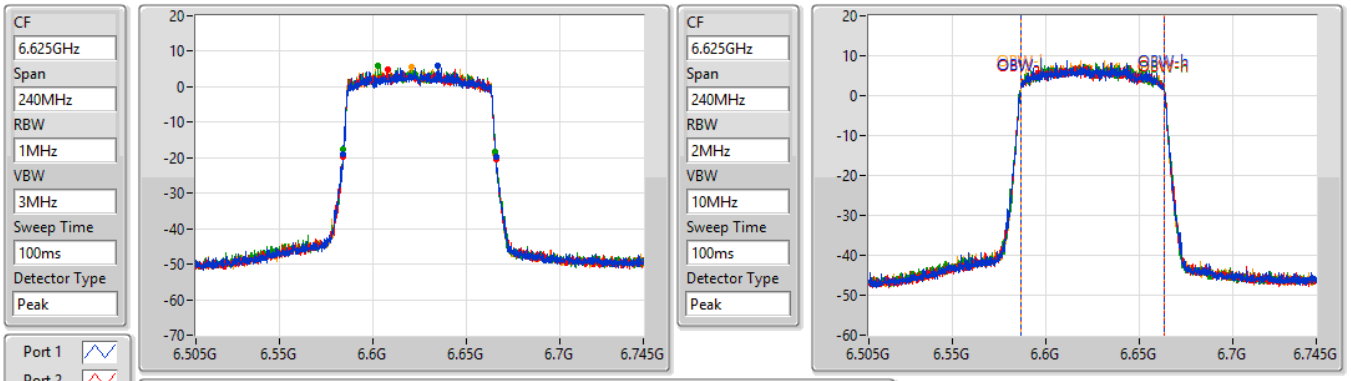


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	6.50384G	6.58592G	77.249M	6.506259G	6.583509G	Inf	1
82.2M	6.50384G	6.58604G	77.278M	6.506265G	6.583543G	Inf	2
82.68M	6.5036G	6.58628G	77.288M	6.506251G	6.583539G	Inf	3
82.2M	6.50372G	6.58592G	77.229M	6.506275G	6.583504G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

6625MHz

06/10/2022

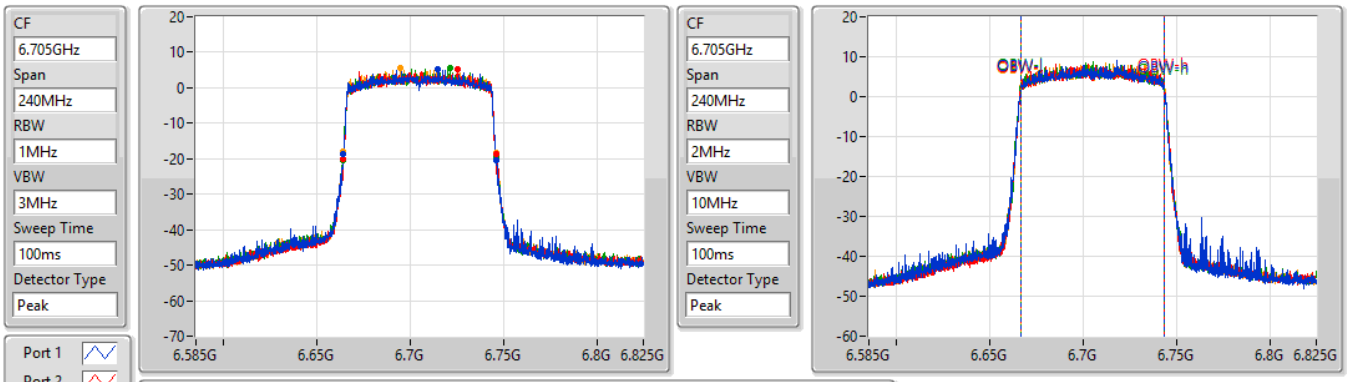


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	6.58384G	6.66604G	77.075M	6.586358G	6.663433G	Inf	1
81.84M	6.58396G	6.6658G	77.195M	6.586245G	6.66344G	Inf	2
81.72M	6.58396G	6.66568G	77.202M	6.586259G	6.663461G	Inf	3
81.72M	6.58396G	6.66568G	77.072M	6.586339G	6.663411G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

6705MHz

06/10/2022

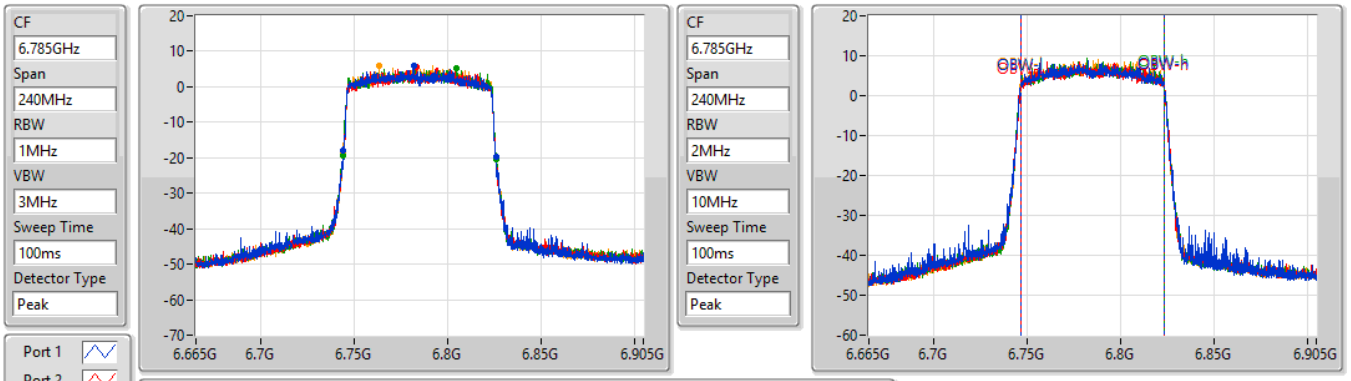


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.56M	6.66384G	6.7464G	77.171M	6.666398G	6.74357G	Inf	1
81.84M	6.66396G	6.7458G	77.198M	6.666357G	6.743556G	Inf	2
82.08M	6.66396G	6.74604G	77.4M	6.66623G	6.74363G	Inf	3
81.72M	6.6642G	6.74592G	77.375M	6.666244G	6.743619G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

6785MHz

06/10/2022

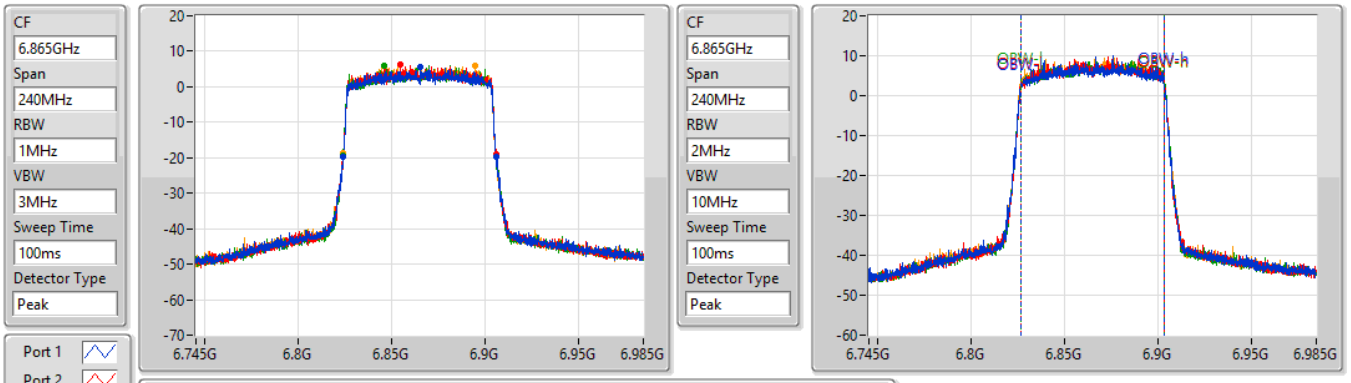


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	6.74408G	6.82592G	77.256M	6.746248G	6.823504G	Inf	1
81.96M	6.74384G	6.8258G	77.187M	6.746313G	6.8235G	Inf	2
82.68M	6.7436G	6.82628G	77.329M	6.746273G	6.823602G	Inf	3
81.96M	6.74396G	6.82592G	77.003M	6.746364G	6.823367G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

6865MHz Straddle 6.525-6.875GHz

06/10/2022

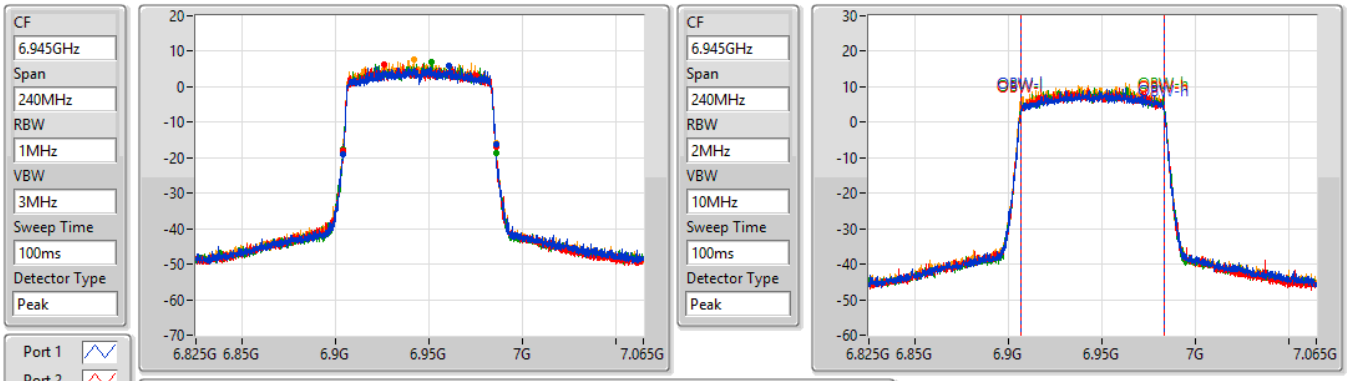


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.44M	6.82372G	6.90616G	77.307M	6.826311G	6.903618G	Inf	1
82.2M	6.82384G	6.90604G	77.201M	6.826422G	6.903623G	Inf	2
82.32M	6.82396G	6.90628G	77.41M	6.826341G	6.903752G	Inf	3
82.32M	6.82396G	6.90628G	77.259M	6.826384G	6.903643G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

6945MHz

06/10/2022

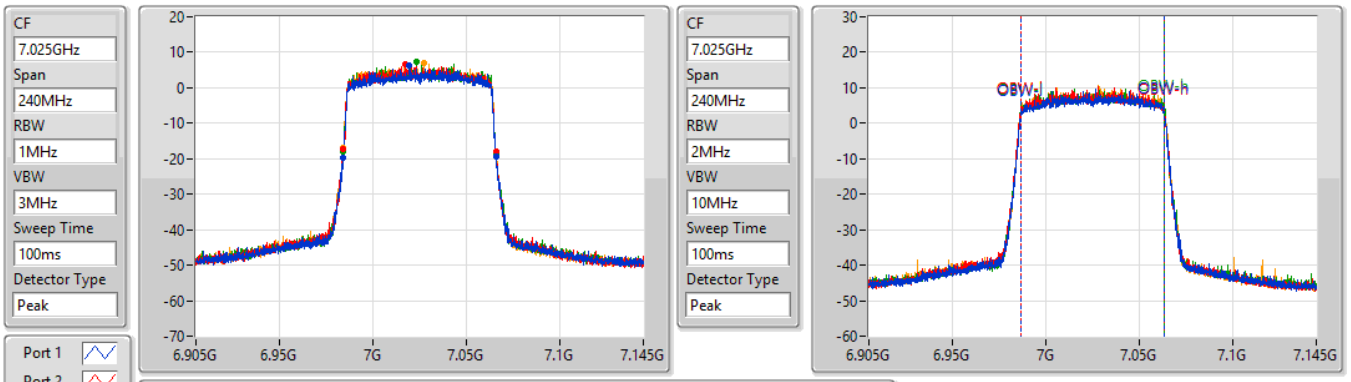


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	6.90396G	6.98592G	77.293M	6.906356G	6.983648G	Inf	1
81.96M	6.90396G	6.98592G	77.157M	6.906367G	6.983524G	Inf	2
82.56M	6.9036G	6.98616G	77.276M	6.906328G	6.983604G	Inf	3
82.08M	6.90384G	6.98592G	77.245M	6.906234G	6.98348G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

7025MHz

06/10/2022



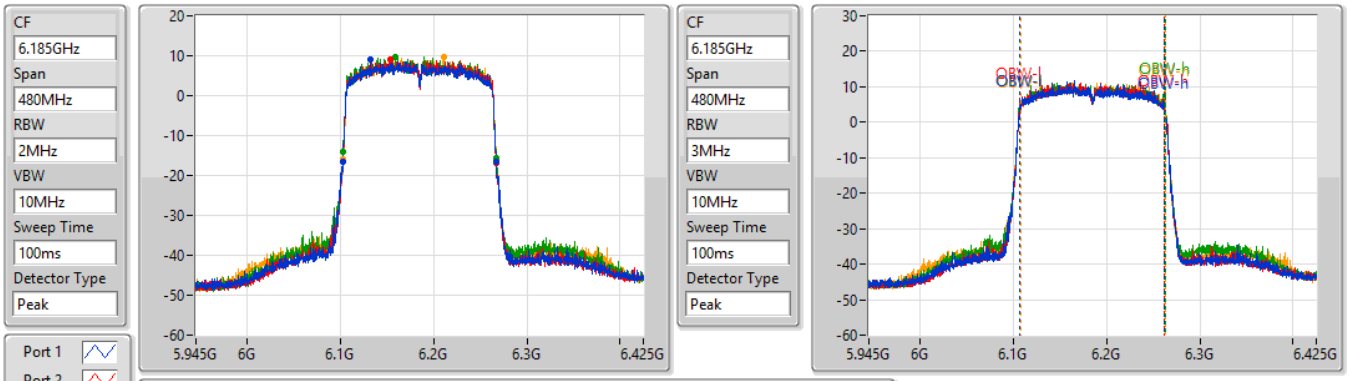
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	6.98396G	7.06592G	77.149M	6.986472G	7.06362G	Inf	1
81.84M	6.98396G	7.0658G	77.174M	6.986337G	7.063511G	Inf	2
81.96M	6.98408G	7.06604G	77.458M	6.986254G	7.063713G	Inf	3
81.96M	6.98408G	7.06604G	77.229M	6.986331G	7.06356G	Inf	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6185MHz

06/10/2022



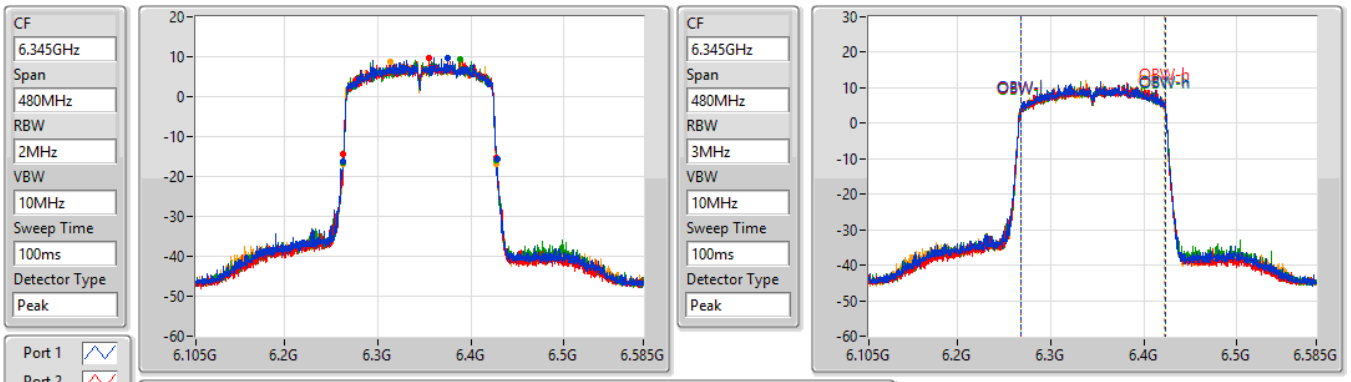
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165.36M	6.1022G	6.26756G	154.987M	6.107407G	6.262394G	Inf	1
164.4M	6.10292G	6.26732G	154.947M	6.107339G	6.262286G	Inf	2
164.88M	6.10244G	6.26732G	155.391M	6.107264G	6.262655G	Inf	3
164.88M	6.10268G	6.26756G	155.156M	6.107496G	6.262652G	Inf	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6345MHz

06/10/2022

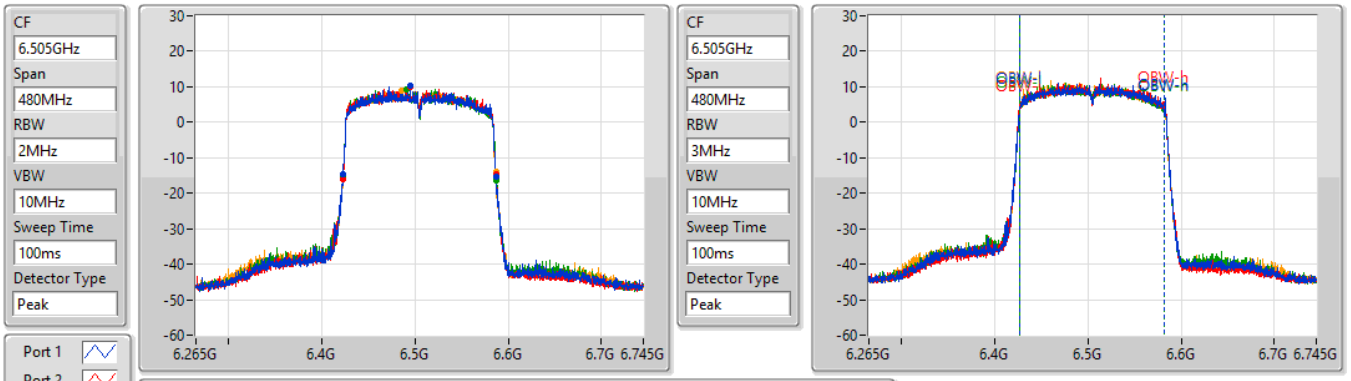


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165.84M	6.26292G	6.42876G	155.048M	6.267712G	6.42276G	Inf	1
164.16M	6.26292G	6.42708G	154.937M	6.267878G	6.422815G	Inf	2
164.64M	6.26268G	6.42732G	155.166M	6.267552G	6.422719G	Inf	3
165.12M	6.26268G	6.4278G	154.834M	6.267651G	6.422485G	Inf	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX EBW

6505MHz Straddle 6.425-6.525GHz

06/10/2022

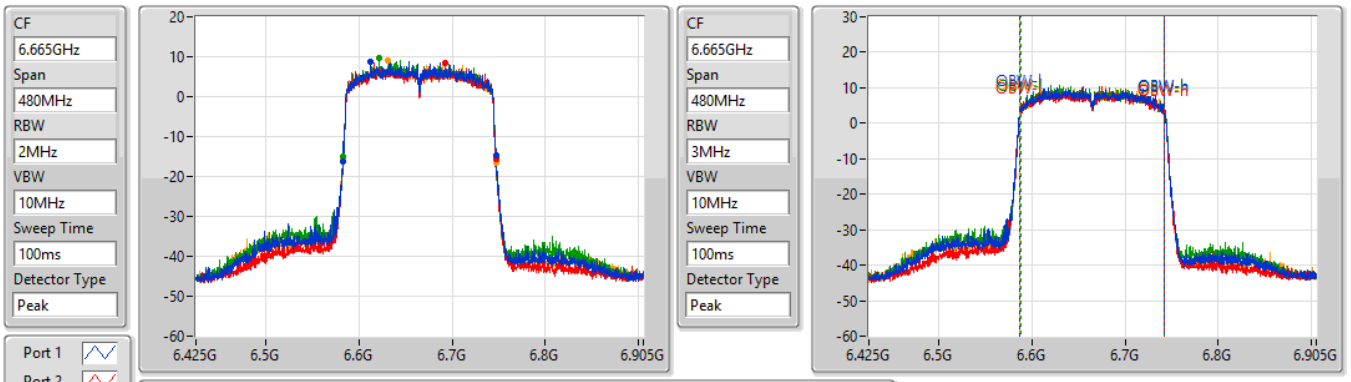


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.4M	6.42244G	6.58684G	155.348M	6.427115G	6.582463G	Inf	1
164.64M	6.42244G	6.58708G	155.11M	6.427334G	6.582445G	Inf	2
165.36M	6.42244G	6.5878G	154.812M	6.427312G	6.582124G	Inf	3
164.4M	6.42268G	6.58708G	154.748M	6.427149G	6.581897G	Inf	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX EBW

6665MHz

06/10/2022

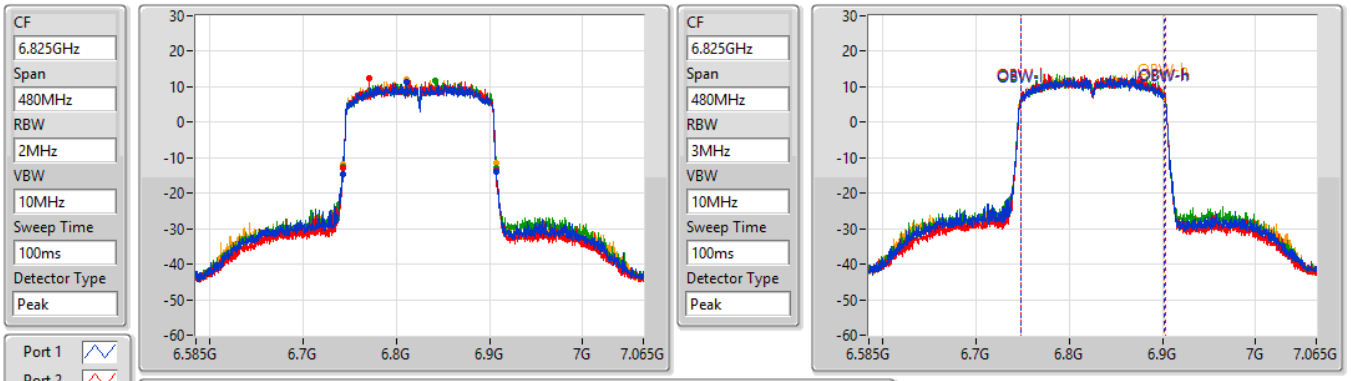


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.4M	6.58244G	6.74684G	154.736M	6.587408G	6.742144G	Inf	1
164.4M	6.58244G	6.74684G	155.161M	6.587293G	6.742454G	Inf	2
164.4M	6.58244G	6.74684G	154.872M	6.587536G	6.742408G	Inf	3
164.4M	6.58316G	6.74756G	155.029M	6.587366G	6.742395G	Inf	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX EBW

6825MHz Straddle 6.525-6.875GHz

06/10/2022

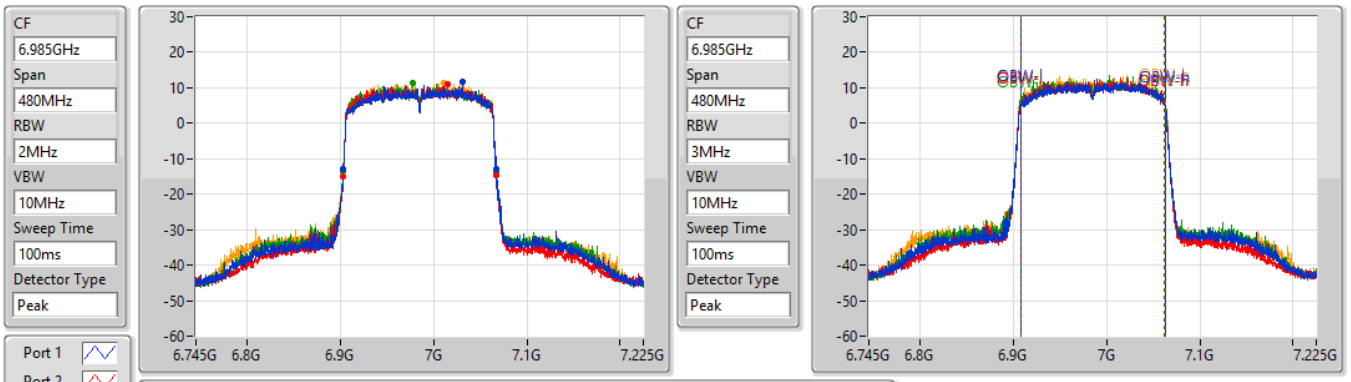


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165.12M	6.74244G	6.90756G	154.821M	6.747632G	6.902452G	Inf	1
164.16M	6.74292G	6.90708G	154.823M	6.747771G	6.902594G	Inf	2
164.88M	6.74268G	6.90756G	154.865M	6.747765G	6.90263G	Inf	3
163.92M	6.74292G	6.90684G	154.874M	6.747645G	6.902519G	Inf	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX EBW

6985MHz

06/10/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.44M	6.9034G	7.06684G	155.02M	6.907645G	7.062664G	Inf	1
164.64M	6.90268G	7.06732G	154.68M	6.907589G	7.062268G	Inf	2
164.88M	6.90244G	7.06732G	154.864M	6.907725G	7.062588G	Inf	3
164.4M	6.90268G	7.06708G	154.994M	6.907611G	7.062605G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW80_Nss4,(MCS0)_4TX	82.56M	77.225M	77M2D1D	81.96M	76.99M
802.11ax HEW160_Nss4,(MCS0)_4TX	167.52M	155.39M	155MD1D	164.88M	154.919M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW80_Nss4,(MCS0)_4TX	82.56M	77.121M	77M1D1D	81.48M	76.872M
802.11ax HEW160_Nss4,(MCS0)_4TX	166.32M	154.963M	155MD1D	165.36M	154.483M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW80_Nss4,(MCS0)_4TX	83.16M	77.342M	77M3D1D	81.84M	76.99M
802.11ax HEW160_Nss4,(MCS0)_4TX	167.52M	155.202M	155MD1D	165.12M	154.723M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW80_Nss4,(MCS0)_4TX	82.8M	77.225M	77M2D1D	82.08M	76.99M
802.11ax HEW160_Nss4,(MCS0)_4TX	166.8M	154.684M	155MD1D	165.6M	154.449M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6145MHz	Pass	Inf	82.44M	77.107M	82.44M	76.99M	82.32M	77.107M	82.32M	77.107M
6225MHz	Pass	Inf	82.32M	77.225M	82.32M	77.107M	82.44M	77.225M	82.32M	77.107M
6385MHz	Pass	Inf	82.08M	77.107M	82.56M	77.225M	82.32M	77.107M	81.96M	76.99M
6465MHz	Pass	Inf	82.08M	77.107M	81.96M	77.107M	82.44M	76.872M	82.08M	76.99M
6545MHz Straddle 6.425-6.525GHz	Pass	Inf	82.56M	77.001M	81.84M	76.882M	81.48M	77.001M	82.2M	77.121M
6545MHz Straddle 6.525-6.875GHz										
6625MHz	Pass	Inf	82.56M	77.107M	81.96M	76.99M	82.44M	77.107M	82.32M	77.107M
6705MHz	Pass	Inf	82.2M	76.99M	82.44M	76.99M	82.56M	77.342M	81.84M	77.225M
6785MHz	Pass	Inf	82.44M	77.107M	81.84M	77.107M	83.16M	77.225M	81.96M	76.99M
6865MHz Straddle 6.525-6.875GHz	Pass	Inf	82.8M	77.121M	82.2M	77.001M	82.44M	77.241M	82.32M	77.001M
6865MHz Straddle 6.875-7.125GHz										
6945MHz	Pass	Inf	82.8M	77.107M	82.56M	77.107M	82.68M	77.225M	82.44M	76.99M
7025MHz	Pass	Inf	82.32M	76.99M	82.08M	77.107M	82.32M	77.107M	82.08M	76.99M
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6185MHz	Pass	Inf	167.52M	155.154M	166.08M	155.154M	166.08M	155.39M	165.84M	154.919M
6345MHz	Pass	Inf	165.84M	155.154M	167.04M	154.919M	165.84M	154.919M	164.88M	154.919M
6505MHz Straddle 6.425-6.525GHz	Pass	Inf	166.32M	154.723M	165.84M	154.483M	165.36M	154.963M	165.6M	154.723M
6505MHz Straddle 6.525-6.875GHz										
6665MHz	Pass	Inf	166.56M	155.154M	166.08M	154.919M	167.04M	154.919M	165.12M	154.919M
6825MHz Straddle 6.525-6.875GHz	Pass	Inf	166.08M	155.202M	167.52M	154.723M	166.8M	155.202M	166.8M	154.963M
6825MHz Straddle 6.875-7.125GHz										
6985MHz	Pass	Inf	166.56M	154.684M	165.6M	154.449M	166.8M	154.684M	166.56M	154.449M

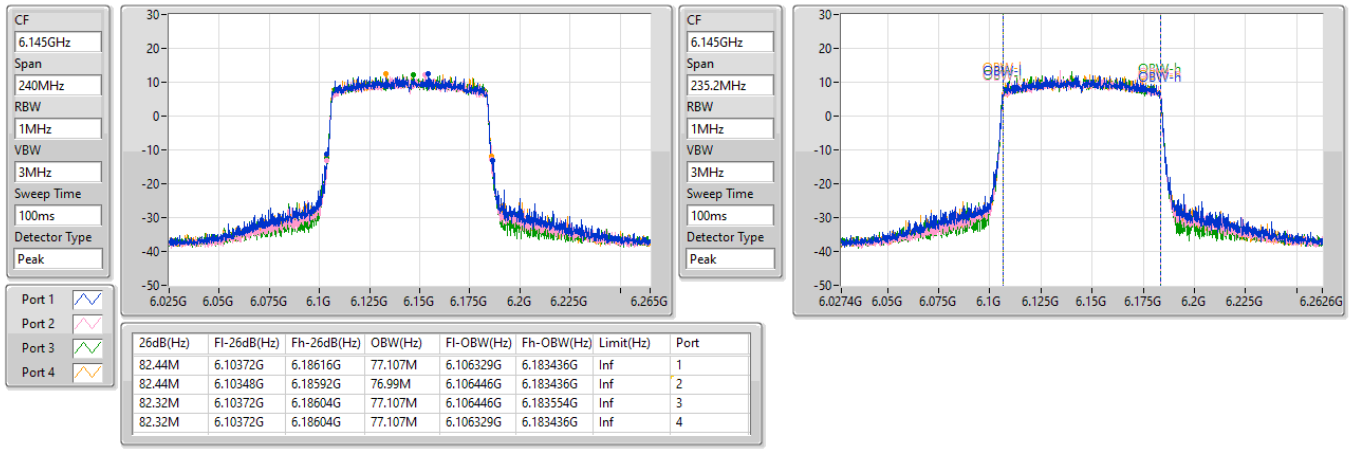
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

6145MHz

07/11/2022



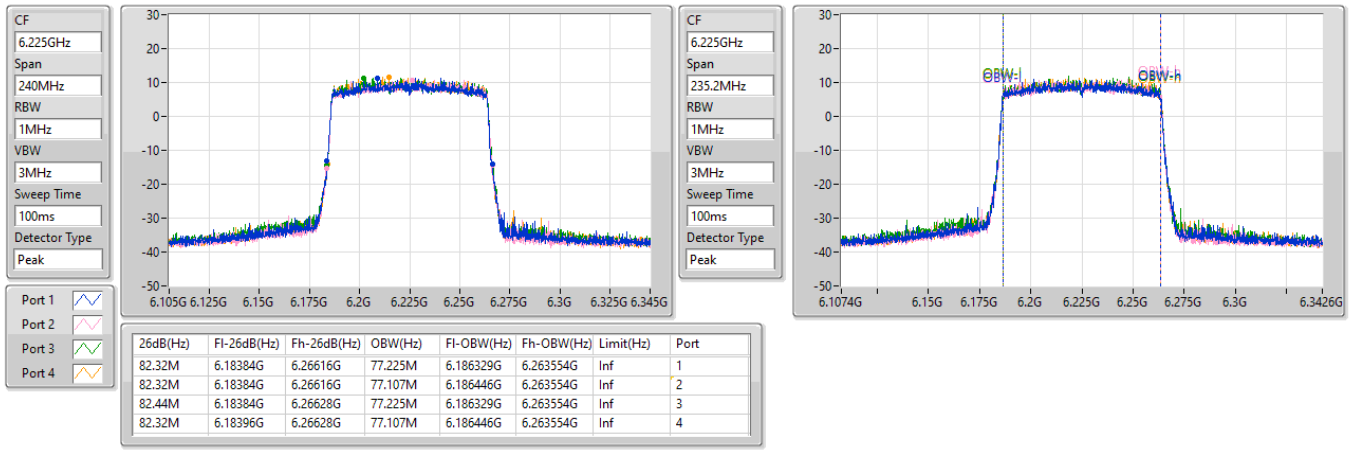
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.44M	6.10372G	6.18616G	77.107M	6.106329G	6.183436G	Inf	1
82.44M	6.10348G	6.18592G	76.99M	6.106446G	6.183436G	Inf	2
82.32M	6.10372G	6.18604G	77.107M	6.106446G	6.183554G	Inf	3
82.32M	6.10372G	6.18604G	77.107M	6.106329G	6.183436G	Inf	4

5.925-6.425GHz_802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

6225MHz

07/11/2022



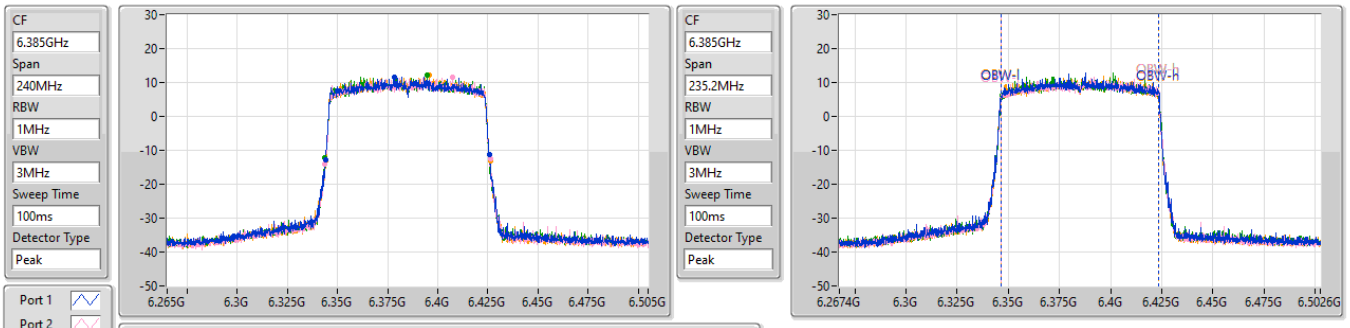
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	6.18384G	6.26616G	77.225M	6.186329G	6.263554G	Inf	1
82.32M	6.18384G	6.26616G	77.107M	6.186446G	6.263554G	Inf	2
82.44M	6.18384G	6.26628G	77.225M	6.186329G	6.263554G	Inf	3
82.32M	6.18396G	6.26628G	77.107M	6.186446G	6.263554G	Inf	4

5.925-6.425GHz_802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

6385MHz

07/11/2022



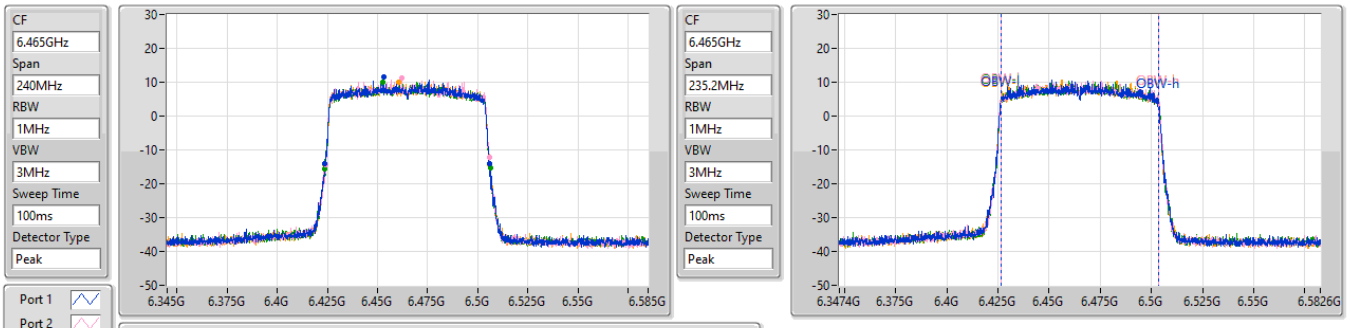
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	6.34396G	6.42604G	77.107M	6.346446G	6.423554G	Inf	1
82.56M	6.3436G	6.42616G	77.225M	6.346446G	6.423671G	Inf	2
82.32M	6.34384G	6.42616G	77.107M	6.346446G	6.423554G	Inf	3
81.96M	6.3442G	6.42616G	76.99M	6.346446G	6.423436G	Inf	4

6.425-6.525GHz_802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

6465MHz

07/11/2022

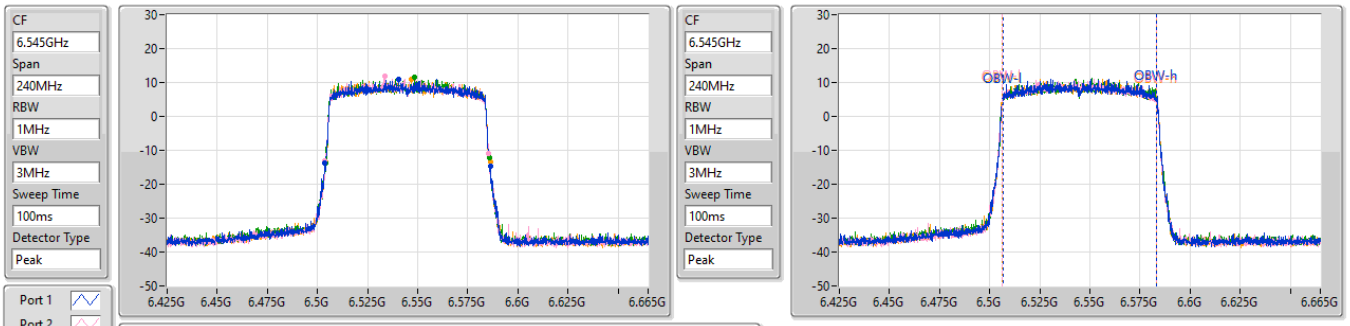


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	6.42372G	6.5058G	77.107M	6.426329G	6.503436G	Inf	1
81.96M	6.42408G	6.50604G	77.107M	6.426329G	6.503436G	Inf	2
82.44M	6.42372G	6.50616G	76.872M	6.426446G	6.503318G	Inf	3
82.08M	6.42384G	6.50592G	76.99M	6.426446G	6.503436G	Inf	4

6.425-6.525GHz_802.11ax HEW80_Nss4,(MCS0)_4TX EBW

6545MHz Straddle 6.425-6.525GHz

07/11/2022

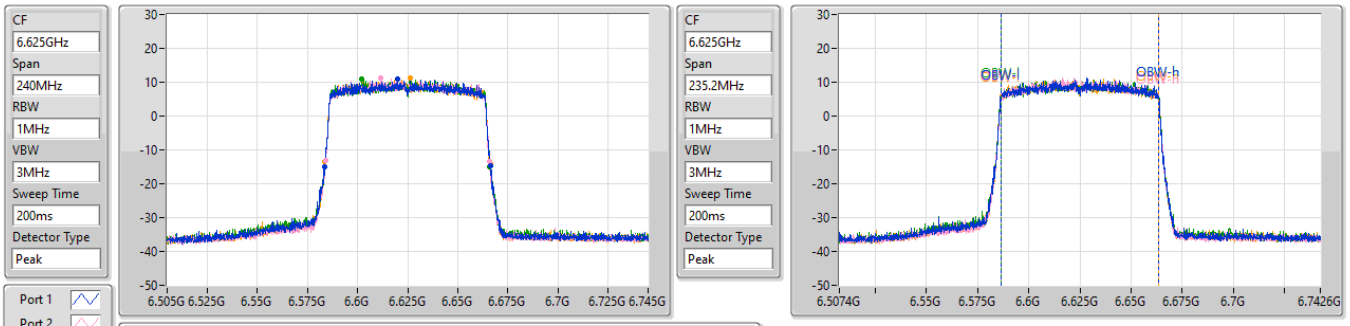


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.56M	6.50372G	6.58628G	77.001M	6.506499G	6.583501G	Inf	1
81.84M	6.50372G	6.58556G	76.882M	6.506379G	6.583261G	Inf	2
81.48M	6.5042G	6.58568G	77.001M	6.506499G	6.583501G	Inf	3
82.2M	6.50396G	6.58616G	77.121M	6.506379G	6.583501G	Inf	4

6.525-6.875GHz_802.11ax HEW80_Nss4,(MCS0)_4TX EBW

6625MHz

07/11/2022



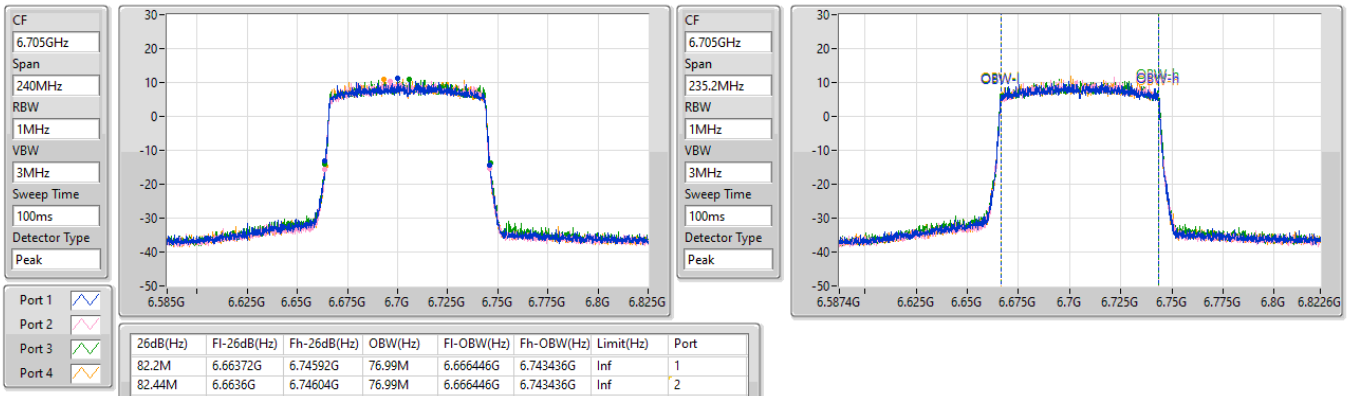
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.56M	6.5836G	6.66616G	77.107M	6.586329G	6.663436G	Inf	1
81.96M	6.58396G	6.66592G	76.99M	6.586446G	6.663436G	Inf	2
82.44M	6.5836G	6.66604G	77.107M	6.586446G	6.663554G	Inf	3
82.32M	6.58384G	6.66616G	77.107M	6.586329G	6.663436G	Inf	4

6.525-6.875GHz_802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

6705MHz

07/11/2022



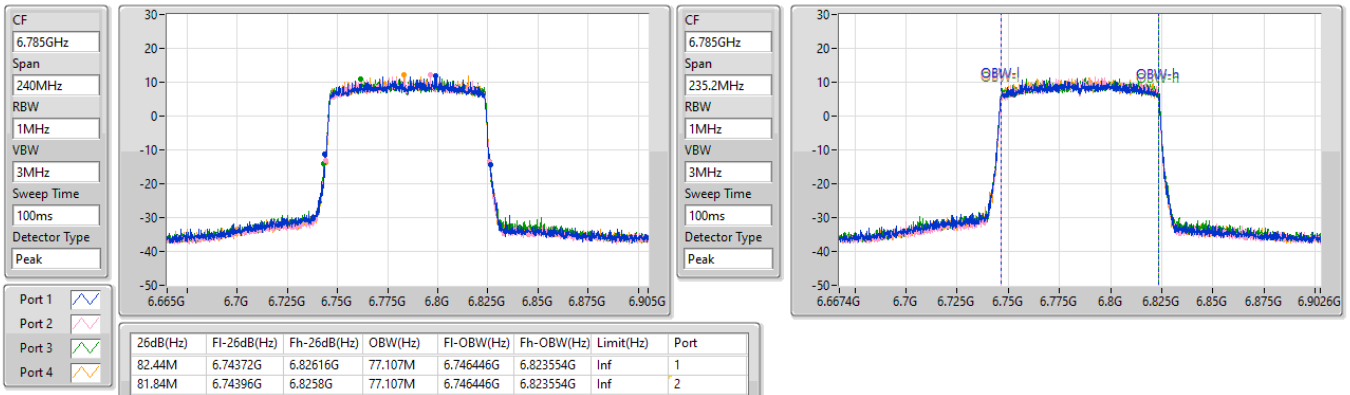
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	6.66372G	6.74592G	76.99M	6.666446G	6.743436G	Inf	1
82.44M	6.6636G	6.74604G	76.99M	6.666446G	6.743436G	Inf	2
82.56M	6.66372G	6.74628G	77.342M	6.666329G	6.743671G	Inf	3
81.84M	6.66396G	6.7458G	77.225M	6.666329G	6.743554G	Inf	4

6.525-6.875GHz_802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

6785MHz

07/11/2022



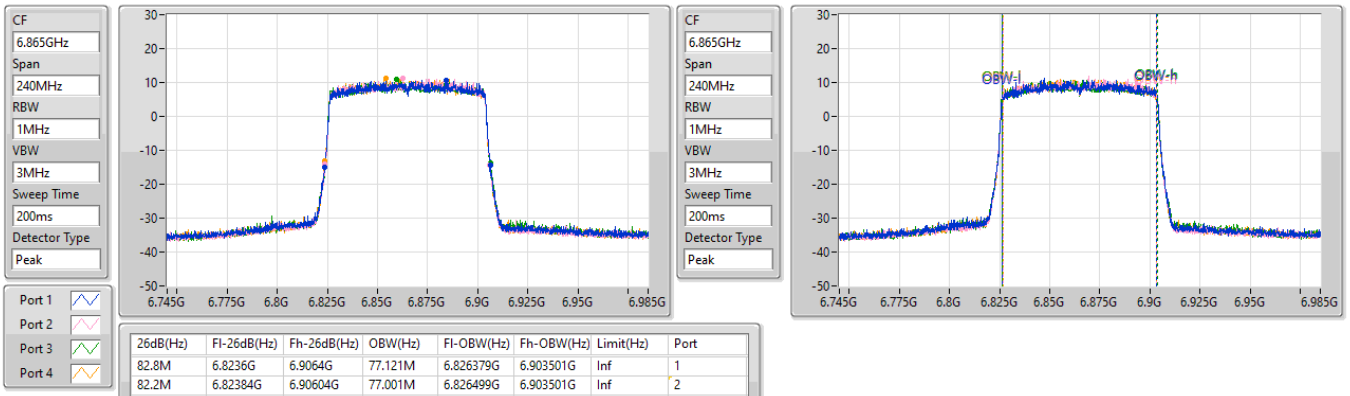
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.44M	6.74372G	6.82616G	77.107M	6.746446G	6.823554G	Inf	1
81.84M	6.74396G	6.8258G	77.107M	6.746446G	6.823554G	Inf	2
83.16M	6.74324G	6.8264G	77.225M	6.746329G	6.823554G	Inf	3
81.96M	6.74396G	6.82592G	76.99M	6.746446G	6.823436G	Inf	4

6.525-6.875GHz_802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

6865MHz Straddle 6.525-6.875GHz

07/11/2022



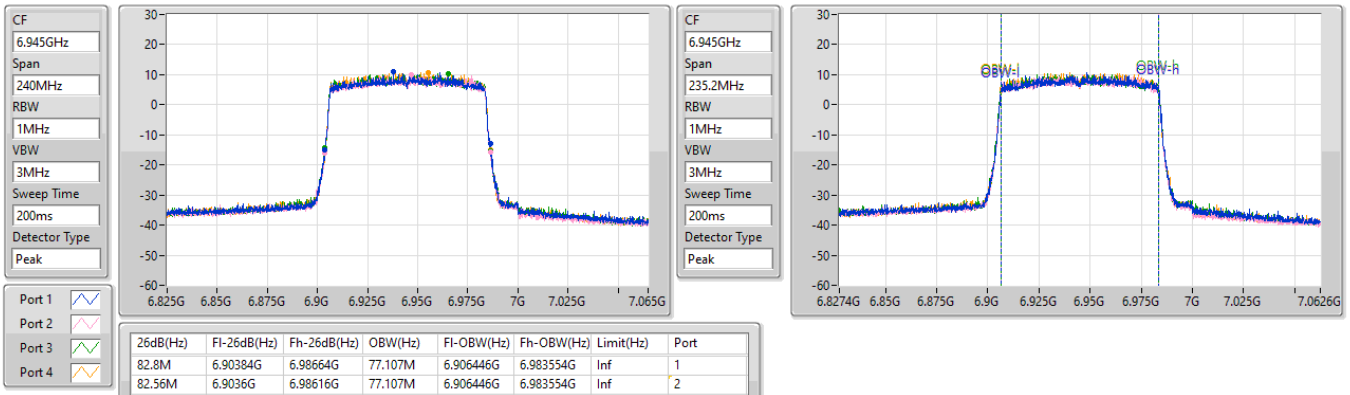
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.8M	6.8236G	6.9064G	77.121M	6.826379G	6.903501G	Inf	1
82.2M	6.82384G	6.90604G	77.001M	6.826499G	6.903501G	Inf	2
82.44M	6.82372G	6.90616G	77.241M	6.826379G	6.903621G	Inf	3
82.32M	6.82384G	6.90616G	77.001M	6.826499G	6.903501G	Inf	4

6.875-7.125GHz_802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

6945MHz

07/11/2022

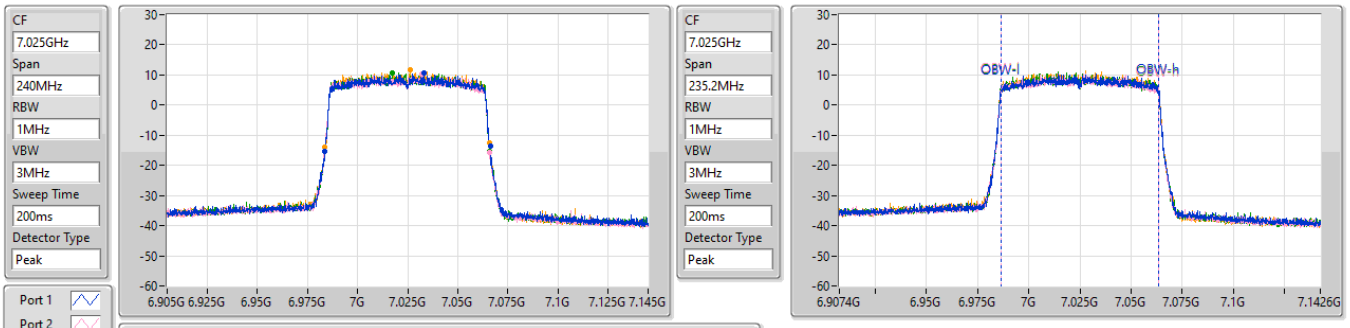


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.8M	6.90384G	6.98664G	77.107M	6.906446G	6.983554G	Inf	1
82.56M	6.9036G	6.98616G	77.107M	6.906446G	6.983554G	Inf	2
82.68M	6.90372G	6.9864G	77.225M	6.906329G	6.983554G	Inf	3
82.44M	6.90372G	6.98616G	76.99M	6.906446G	6.983436G	Inf	4

6.875-7.125GHz_802.11ax HEW80_Nss4,(MCS0)_4TX EBW

7025MHz

07/11/2022

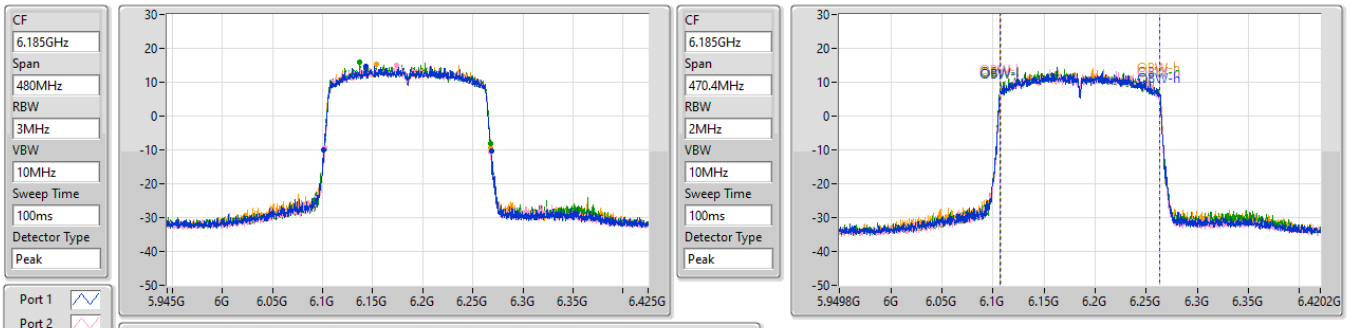


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	6.98384G	7.06616G	76.99M	6.986446G	7.063436G	Inf	1
82.08M	6.98384G	7.06592G	77.107M	6.986329G	7.063436G	Inf	2
82.32M	6.98372G	7.06604G	77.107M	6.986329G	7.063436G	Inf	3
82.08M	6.98384G	7.06592G	76.99M	6.986446G	7.063436G	Inf	4

5.925-6.425GHz_802.11ax HEW160_Nss4,(MCS0)_4TX EBW

6185MHz

07/11/2022



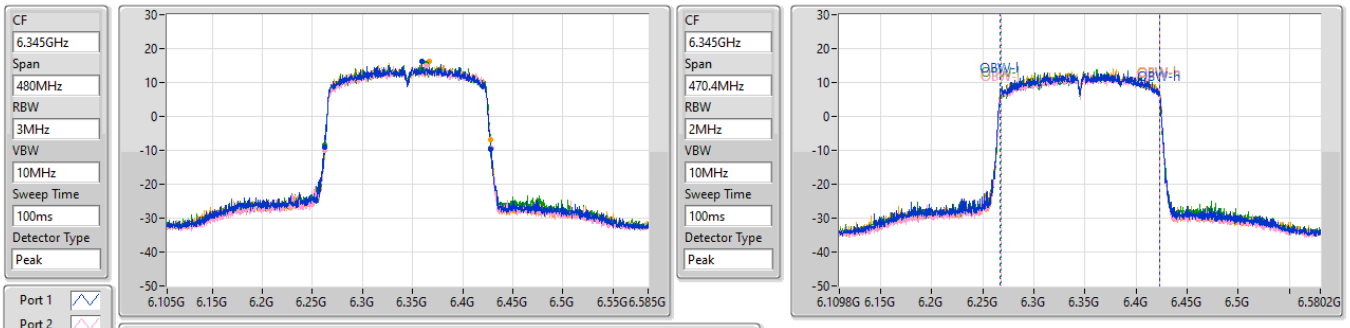
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
167.52M	6.10148G	6.269G	155.154M	6.107423G	6.262577G	Inf	1
166.08M	6.10196G	6.26804G	155.154M	6.107423G	6.262577G	Inf	2
166.08M	6.10172G	6.2678G	155.39M	6.107188G	6.262577G	Inf	3
165.84M	6.1022G	6.26804G	154.919M	6.107658G	6.262577G	Inf	4

5.925-6.425GHz_802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

6345MHz

07/11/2022



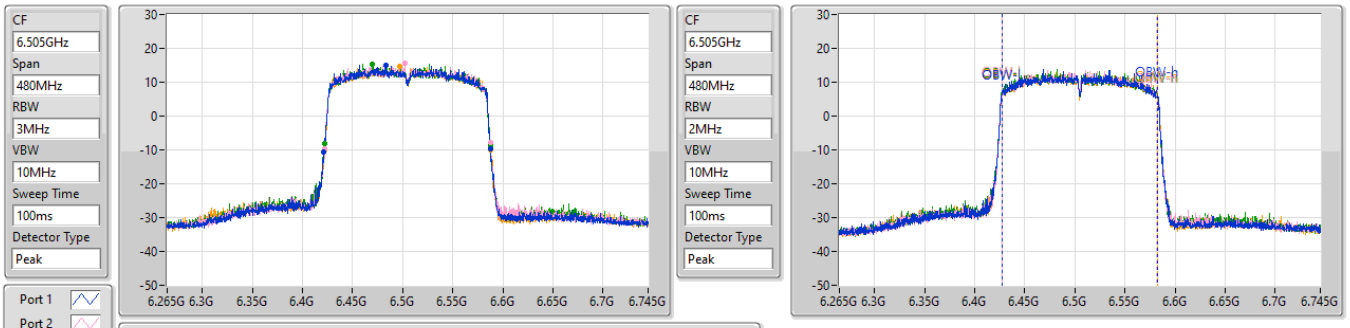
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165.84M	6.26196G	6.4278G	155.154M	6.267423G	6.422577G	Inf	1
167.04M	6.26172G	6.42876G	154.919M	6.267658G	6.422577G	Inf	2
165.84M	6.2622G	6.42804G	154.919M	6.267658G	6.422577G	Inf	3
164.88M	6.26244G	6.42732G	154.919M	6.267658G	6.422577G	Inf	4

6.425-6.525GHz_802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

6505MHz Straddle 6.425-6.525GHz

07/11/2022

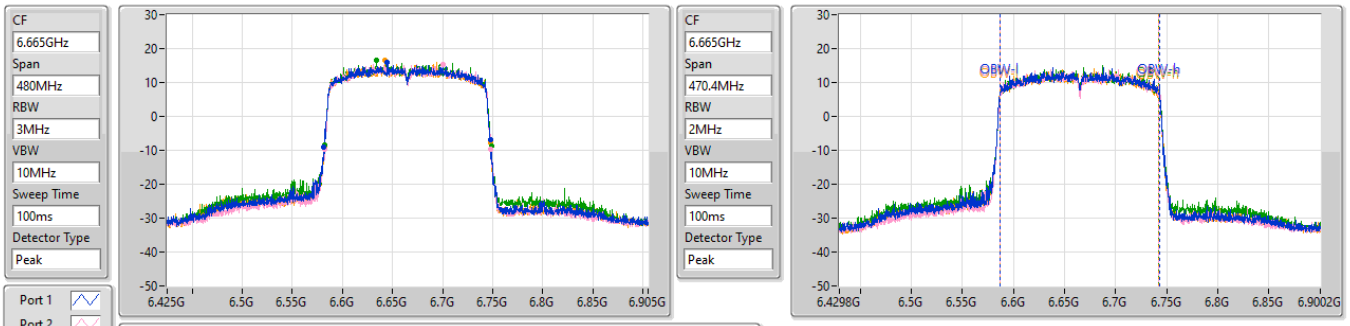


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
166.32M	6.42148G	6.5878G	154.723M	6.427519G	6.582241G	Inf	1
165.84M	6.42196G	6.5878G	154.483M	6.427519G	6.582001G	Inf	2
165.36M	6.4222G	6.58756G	154.963M	6.427279G	6.582241G	Inf	3
165.6M	6.4222G	6.5878G	154.723M	6.427519G	6.582241G	Inf	4

6.525-6.875GHz_802.11ax HEW160_Nss4,(MCS0)_4TX EBW

6665MHz

07/11/2022

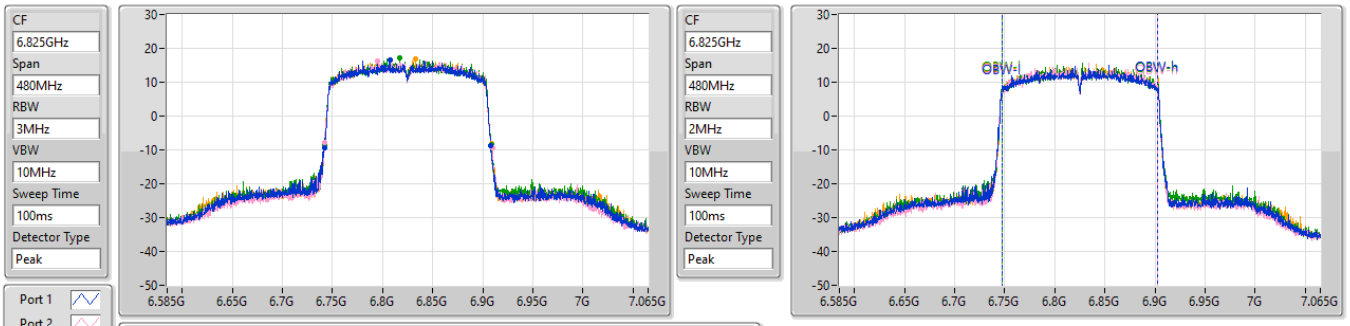


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
166.56M	6.58148G	6.74804G	155.154M	6.587423G	6.742577G	Inf	1
166.08M	6.58196G	6.74804G	154.919M	6.587423G	6.742342G	Inf	2
167.04M	6.58172G	6.74876G	154.919M	6.587423G	6.742342G	Inf	3
165.12M	6.5822G	6.74732G	154.919M	6.587188G	6.742107G	Inf	4

6.525-6.875GHz_802.11ax HEW160_Nss4,(MCS0)_4TX EBW

6825MHz Straddle 6.525-6.875GHz

07/11/2022

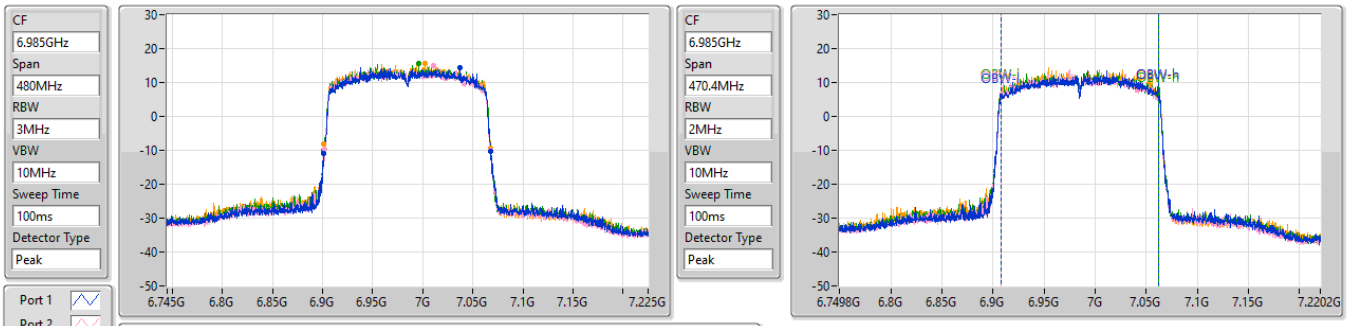


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
166.08M	6.74172G	6.9078G	155.202M	6.747519G	6.902721G	Inf	1
167.52M	6.74196G	6.90948G	154.723M	6.747519G	6.902241G	Inf	2
166.8M	6.74172G	6.90852G	155.202M	6.747519G	6.902721G	Inf	3
166.8M	6.7422G	6.909G	154.963M	6.747759G	6.902721G	Inf	4

6.875-7.125GHz_802.11ax HEW160_Nss4,(MCS0)_4TX **EBW**

6985MHz

07/11/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
166.56M	6.90148G	7.06804G	154.684M	6.907658G	7.062342G	Inf	1
165.6M	6.90196G	7.06756G	154.449M	6.907658G	7.062107G	Inf	2
166.8M	6.90148G	7.06828G	154.684M	6.907658G	7.062342G	Inf	3
166.56M	6.90148G	7.06804G	154.449M	6.907658G	7.062107G	Inf	4

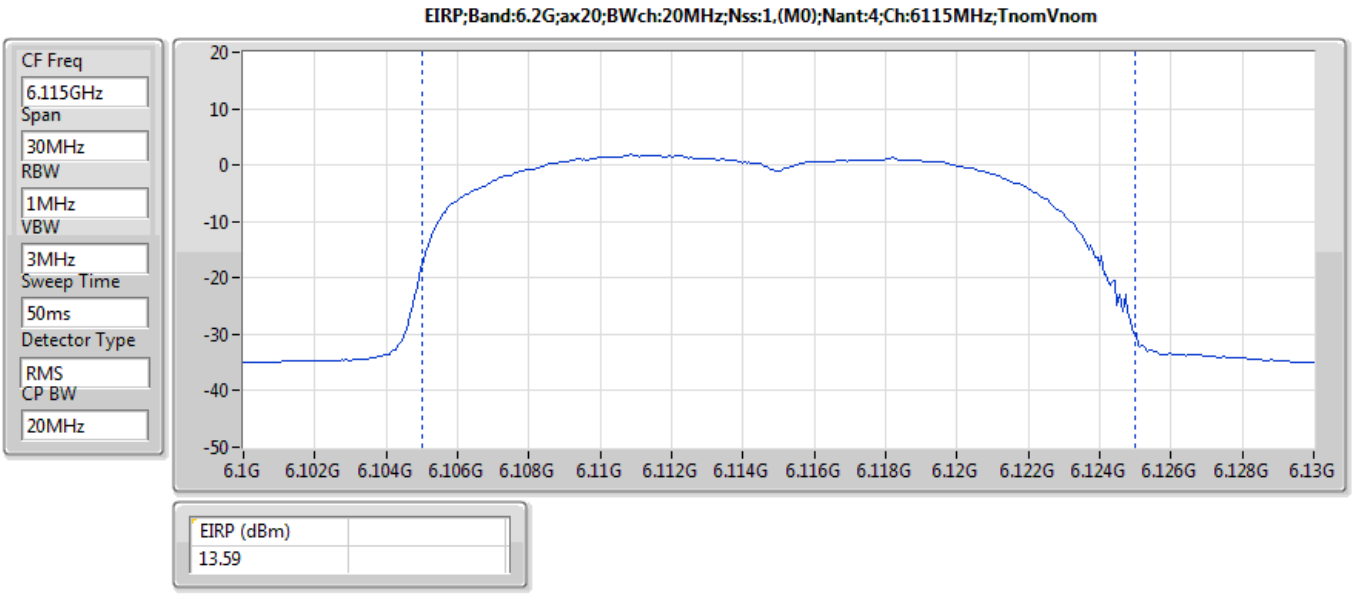
Summary

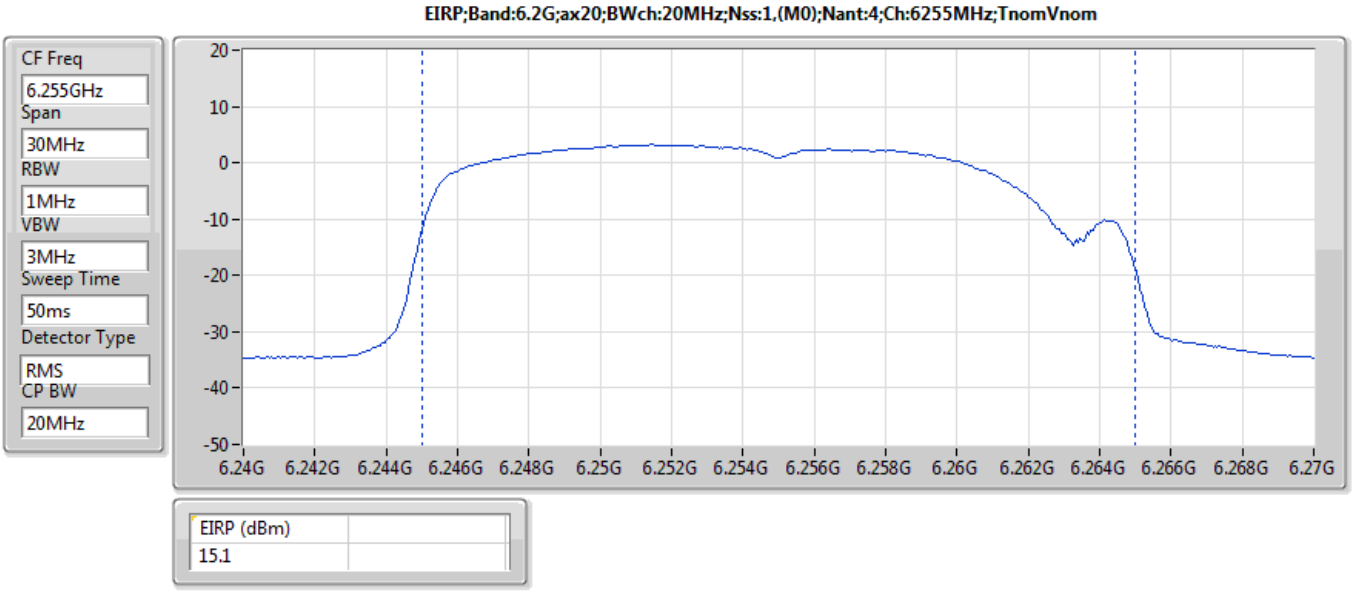
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	15.10	0.03236
802.11ax HEW40_Nss1,(MCS0)_4TX	16.81	0.04797
802.11ax HEW80_Nss1,(MCS0)_4TX	19.36	0.08630
802.11ax HEW160_Nss1,(MCS0)_4TX	23.21	0.20941
6.425-6.525GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	14.81	0.03027
802.11ax HEW40_Nss1,(MCS0)_4TX	16.26	0.04227
802.11ax HEW80_Nss1,(MCS0)_4TX	18.84	0.07656
802.11ax HEW160_Nss1,(MCS0)_4TX	20.96	0.12474
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	15.11	0.03243
802.11ax HEW40_Nss1,(MCS0)_4TX	16.32	0.04285
802.11ax HEW80_Nss1,(MCS0)_4TX	18.86	0.07691
802.11ax HEW160_Nss1,(MCS0)_4TX	20.54	0.11324
6.875-7.125GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	14.60	0.02884
802.11ax HEW40_Nss1,(MCS0)_4TX	16.62	0.04592
802.11ax HEW80_Nss1,(MCS0)_4TX	19.58	0.09078
802.11ax HEW160_Nss1,(MCS0)_4TX	20.50	0.11220

Result

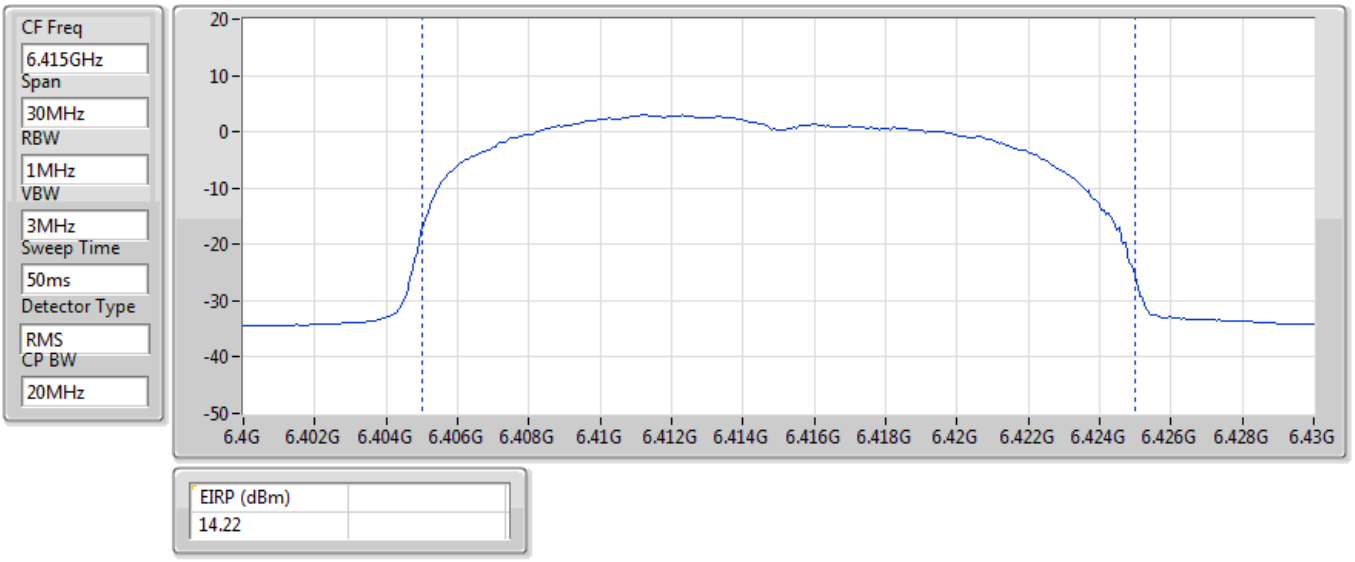
Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-
6115MHz	Pass	13.59	30.00
6255MHz	Pass	15.10	30.00
6415MHz	Pass	14.22	30.00
6435MHz	Pass	14.81	30.00
6475MHz	Pass	14.39	30.00
6515MHz	Pass	14.26	30.00
6535MHz	Pass	13.91	30.00
6695MHz	Pass	15.11	30.00
6855MHz	Pass	14.37	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	14.11	30.00
6895MHz	Pass	13.73	30.00
6995MHz	Pass	14.60	30.00
7095MHz	Pass	14.22	30.00
7115MHz	Pass	12.99	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-
6125MHz	Pass	16.30	30.00
6245MHz	Pass	16.81	30.00
6405MHz	Pass	16.16	30.00
6445MHz	Pass	16.26	30.00
6485MHz	Pass	15.79	30.00
6525MHz Straddle 6.425-6.525GHz	Pass	15.82	30.00
6565MHz	Pass	16.00	30.00
6725MHz	Pass	15.74	30.00
6845MHz	Pass	15.68	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	16.32	30.00
6925MHz	Pass	16.25	30.00
7005MHz	Pass	16.62	30.00
7085MHz	Pass	16.30	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-
6145MHz	Pass	18.78	30.00
6225MHz	Pass	19.36	30.00
6385MHz	Pass	18.47	30.00
6465MHz	Pass	18.57	30.00
6545MHz Straddle 6.425-6.525GHz	Pass	18.84	30.00
6625MHz	Pass	18.86	30.00
6705MHz	Pass	18.37	30.00
6785MHz	Pass	18.28	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	18.29	30.00
6945MHz	Pass	19.07	30.00
7025MHz	Pass	19.58	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-
6185MHz	Pass	23.21	30.00
6345MHz	Pass	20.34	30.00
6505MHz Straddle 6.425-6.525GHz	Pass	20.96	30.00
6665MHz	Pass	20.54	30.00
6825MHz Straddle 6.875-7.125GHz	Pass	19.33	30.00
6985MHz	Pass	20.50	30.00

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

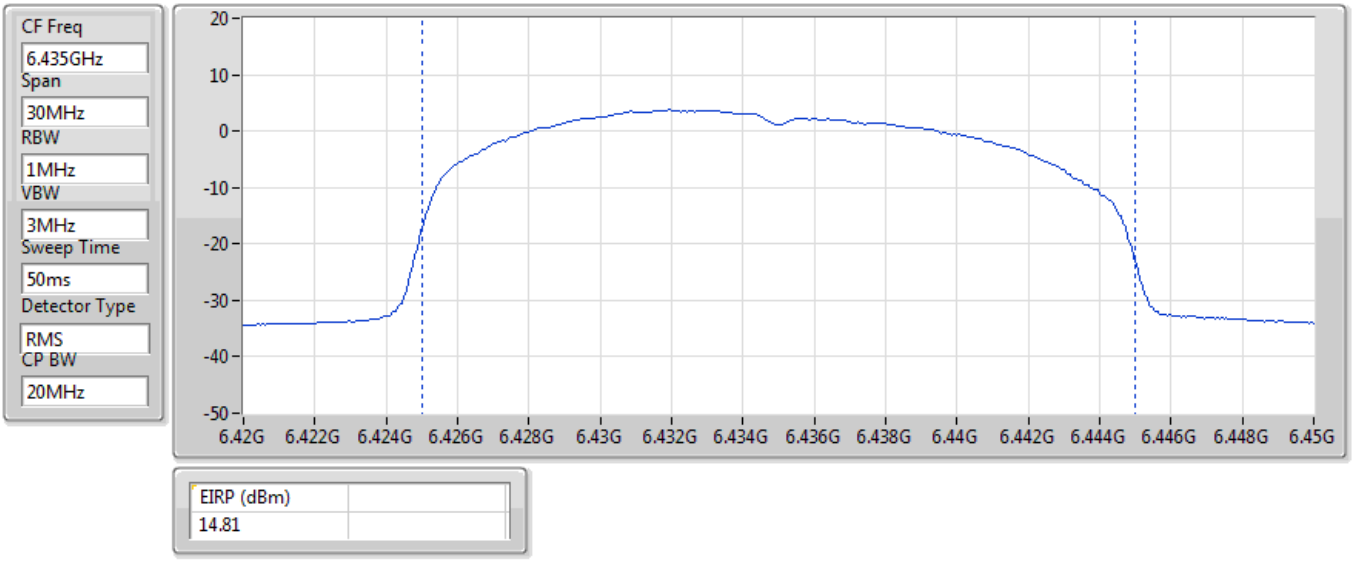

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6115MHz;TnomVnom
CF Freq
6.115GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
20MHz
20
10
0
-10
-20
-30
-40
-50
6.1G 6.102G 6.104G 6.106G 6.108G 6.11G 6.112G 6.114G 6.116G 6.118G 6.12G 6.122G 6.124G 6.126G 6.128G 6.13G
EIRP (dBm)
13.59


EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6255MHz;TnomVnom
CF Freq
6.255GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
20MHz
20
10
0
-10
-20
-30
-40
-50
6.24G 6.242G 6.244G 6.246G 6.248G 6.25G 6.252G 6.254G 6.256G 6.258G 6.26G 6.262G 6.264G 6.266G 6.268G 6.27G
EIRP (dBm)
15.1

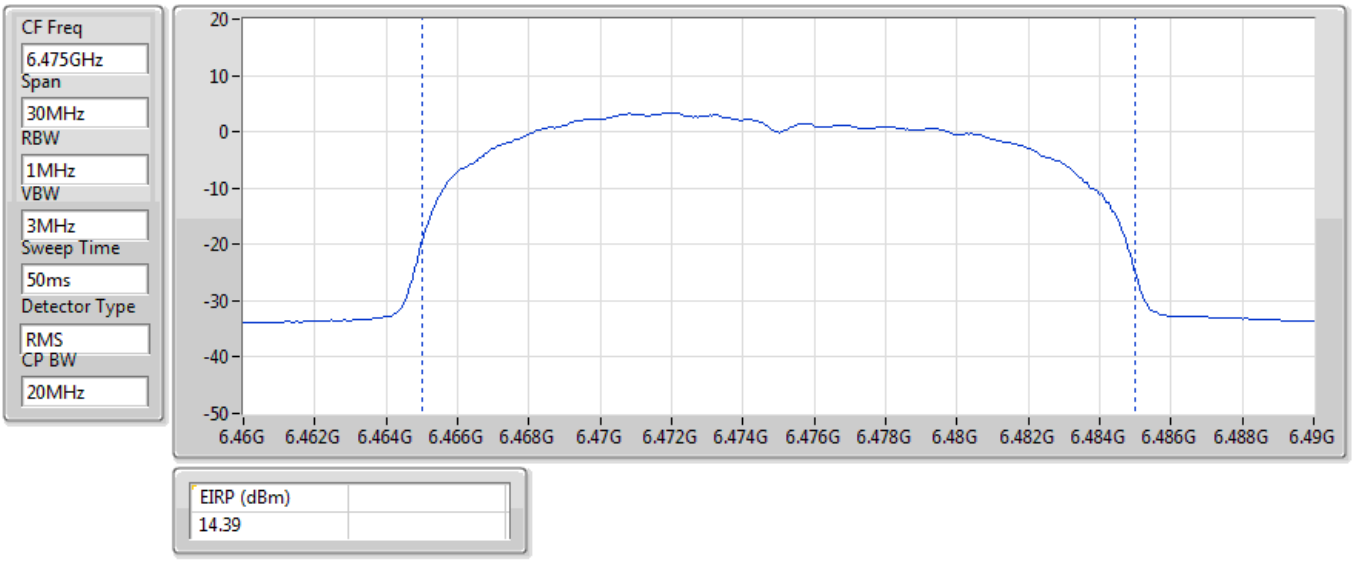
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6415MHz;TnomVnom



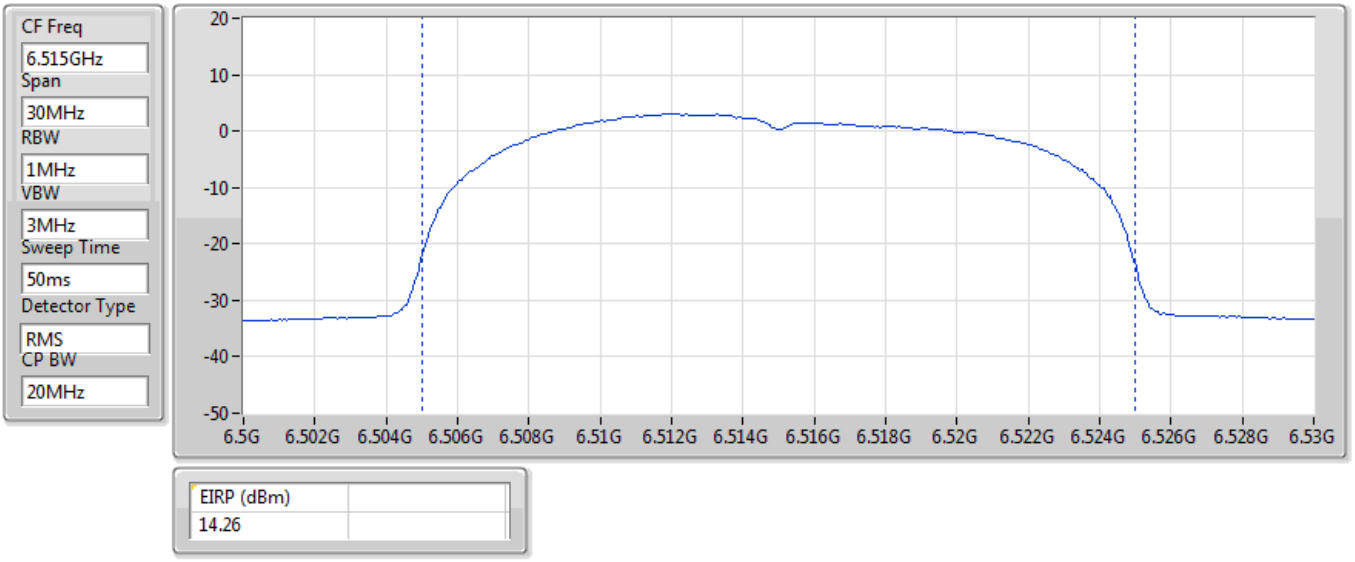
EIRP;Band:6.4G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6435MHz;TnomVnom



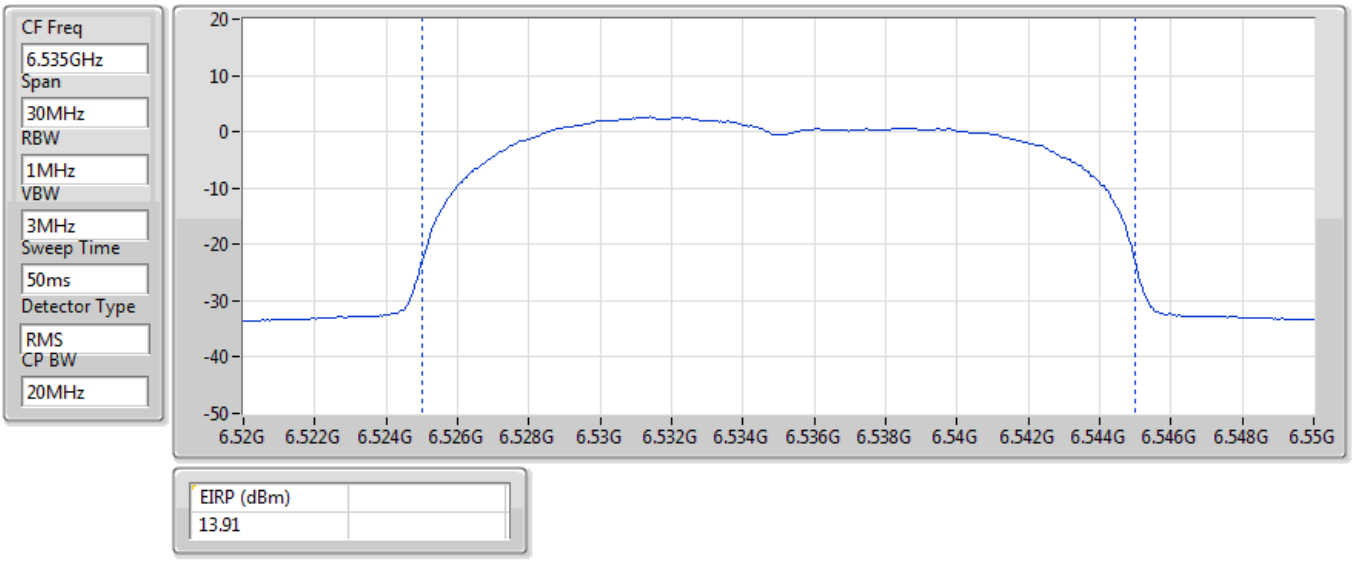
EIRP;Band:6.4G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6475MHz;TnomVnom



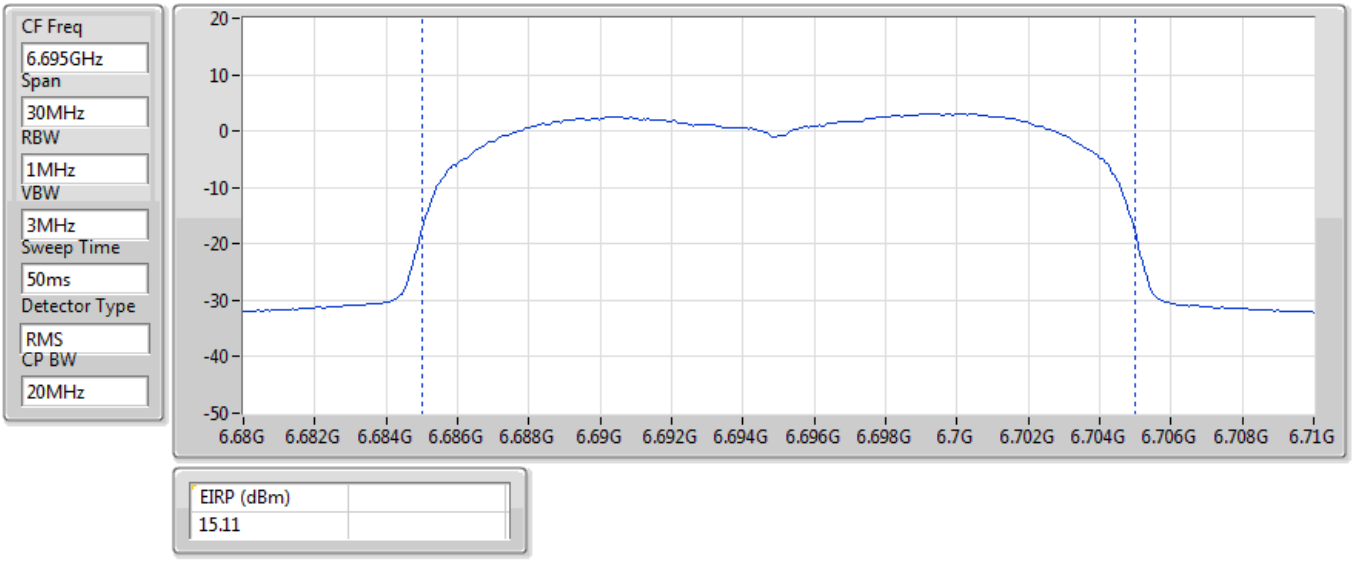
EIRP;Band:6.4G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6515MHz;TnomVnom



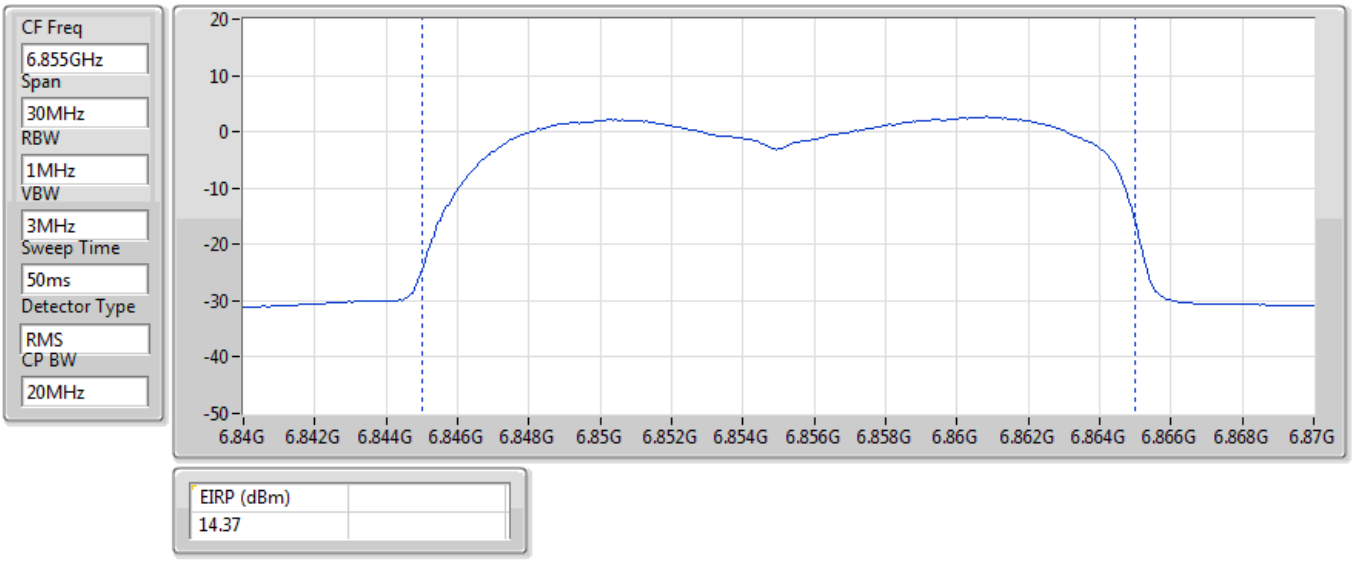
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6535MHz;TnomVnom



EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6695MHz;TnomVnom

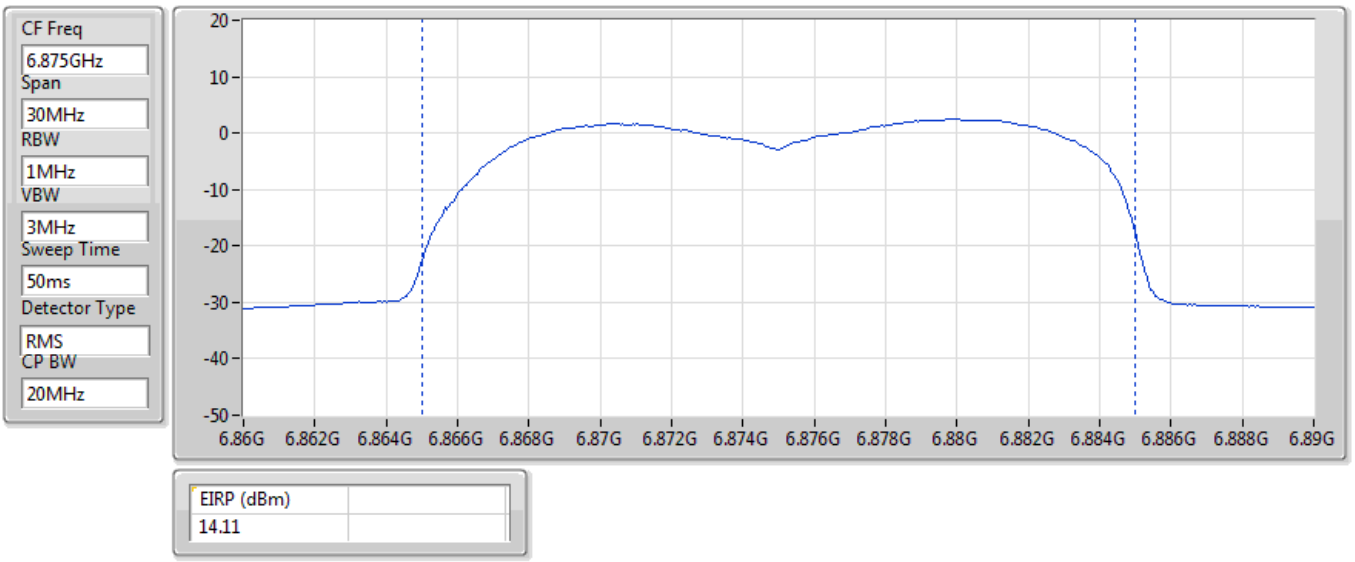


EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6855MHz;TnomVnom

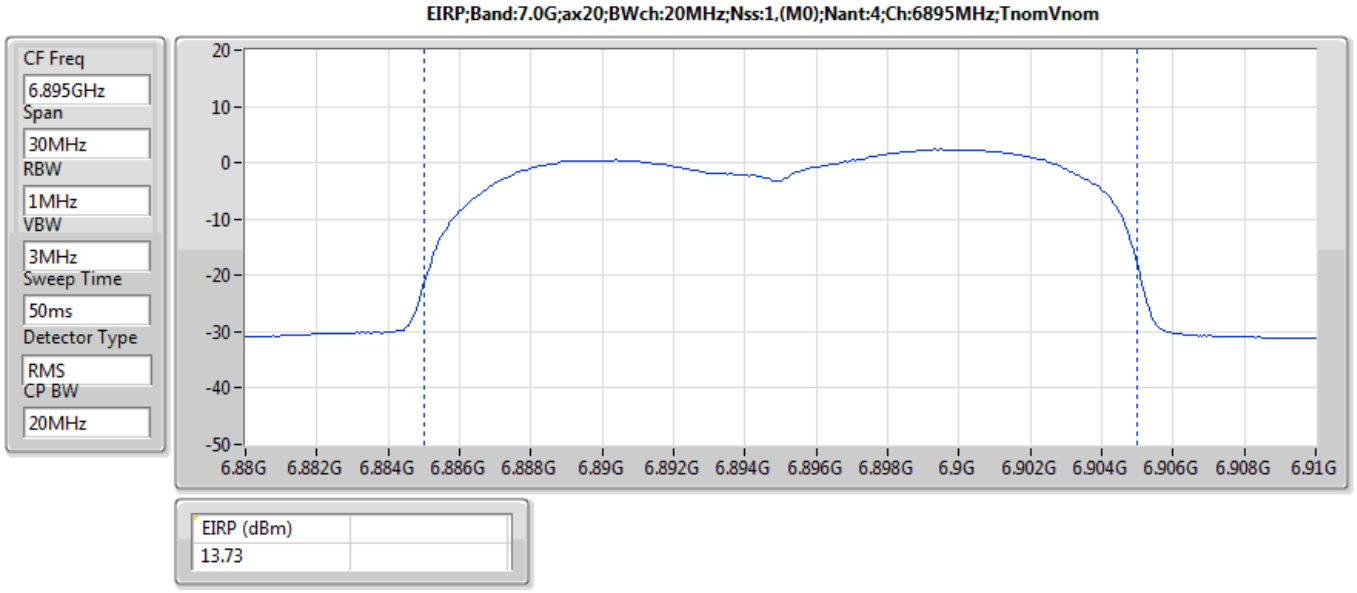


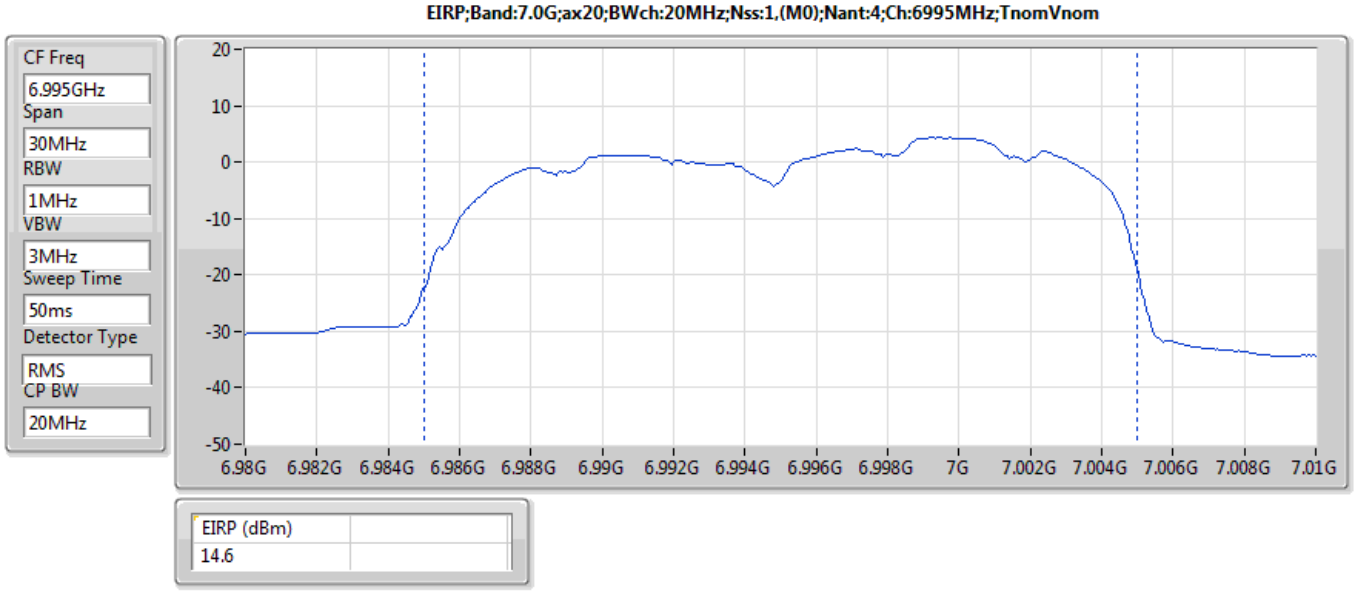
EIRP (dBm)
14.37

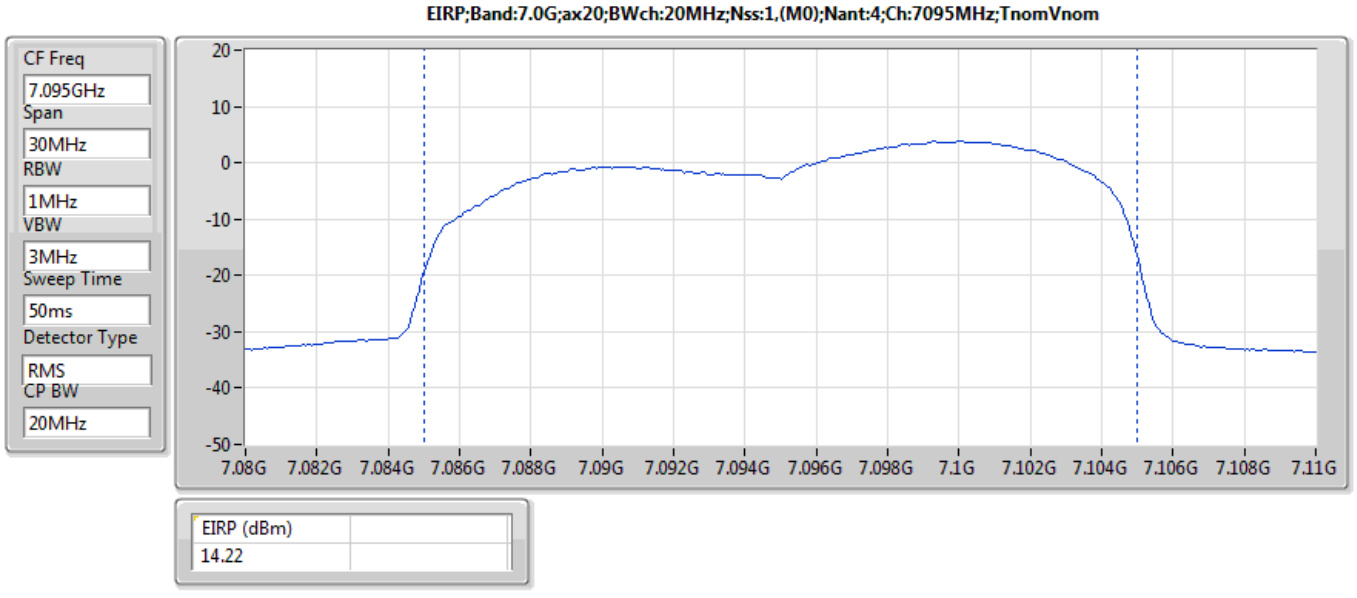
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6875MHz;TnomVnom

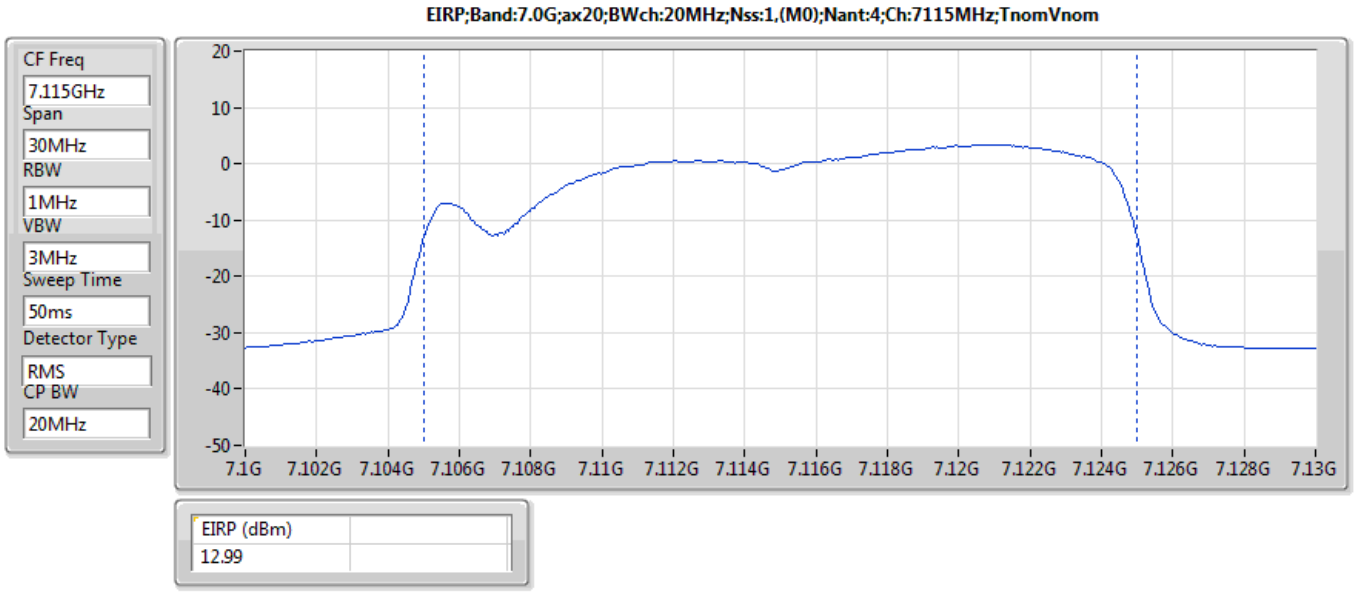


EIRP (dBm)
14.11

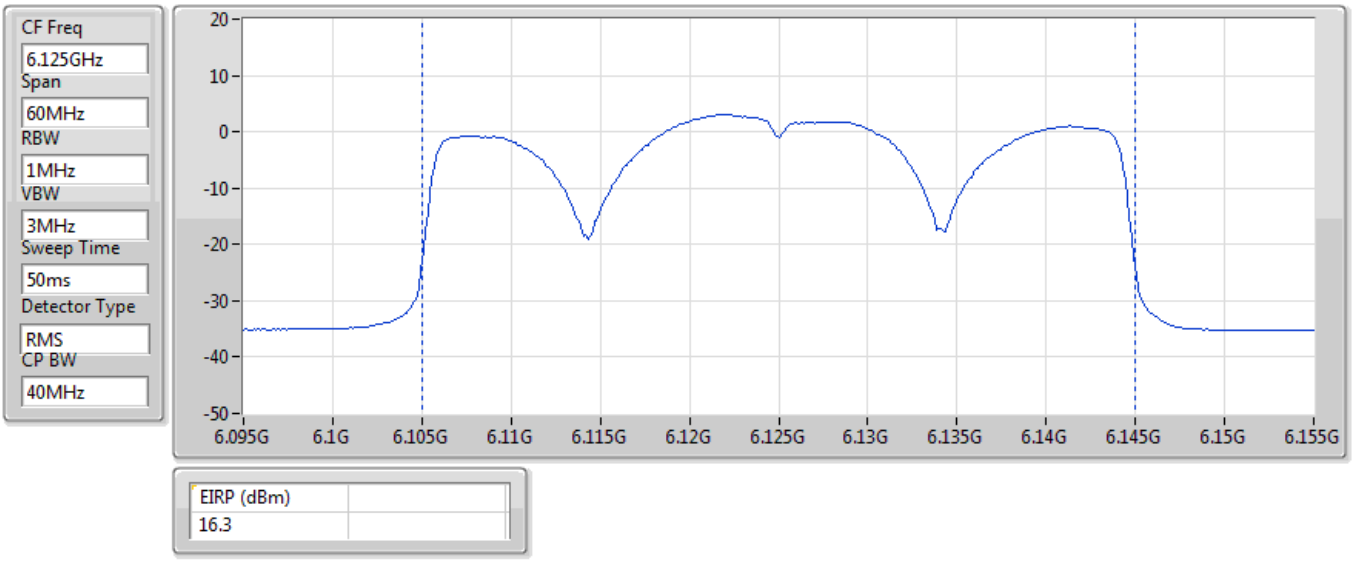

EIRP;Band:7.0G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6895MHz;TnomVnom
CF Freq
6.895GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
20MHz
20
10
0
-10
-20
-30
-40
-50
6.88G 6.882G 6.884G 6.886G 6.888G 6.89G 6.892G 6.894G 6.896G 6.898G 6.9G 6.902G 6.904G 6.906G 6.908G 6.91G
EIRP (dBm)
13.73


EIRP;Band:7.0G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6995MHz;TnomVnom
CF Freq
6.995GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
20MHz
20
10
0
-10
-20
-30
-40
-50
6.98G 6.982G 6.984G 6.986G 6.988G 6.99G 6.992G 6.994G 6.996G 6.998G 7G 7.002G 7.004G 7.006G 7.008G 7.01G
EIRP (dBm)
14.6


EIRP;Band:7.0G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:7095MHz;TnomVnom
CF Freq
7.095GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
20MHz
20
10
0
-10
-20
-30
-40
-50
7.08G 7.082G 7.084G 7.086G 7.088G 7.09G 7.092G 7.094G 7.096G 7.098G 7.1G 7.102G 7.104G 7.106G 7.108G 7.11G
EIRP (dBm)
14.22

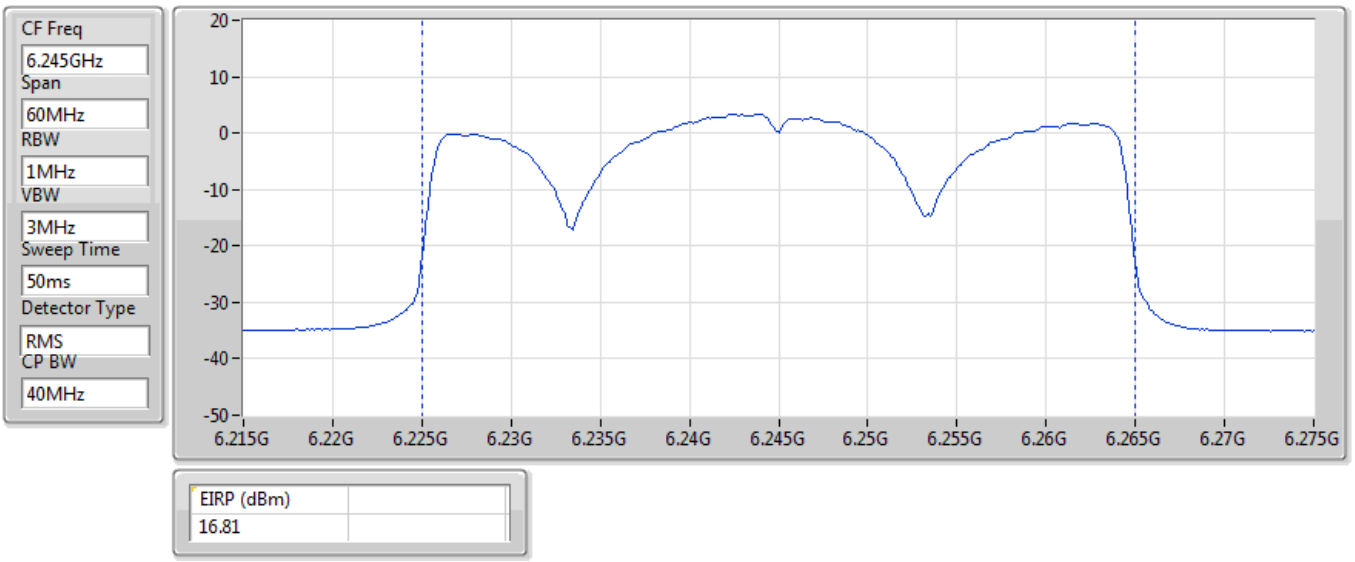

EIRP;Band:7.0G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:7115MHz;TnomVnom
CF Freq
7.115GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
20MHz
20
10
0
-10
-20
-30
-40
-50
7.1G 7.102G 7.104G 7.106G 7.108G 7.11G 7.112G 7.114G 7.116G 7.118G 7.12G 7.122G 7.124G 7.126G 7.128G 7.13G
EIRP (dBm)
12.99

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6125MHz;TnomVnom



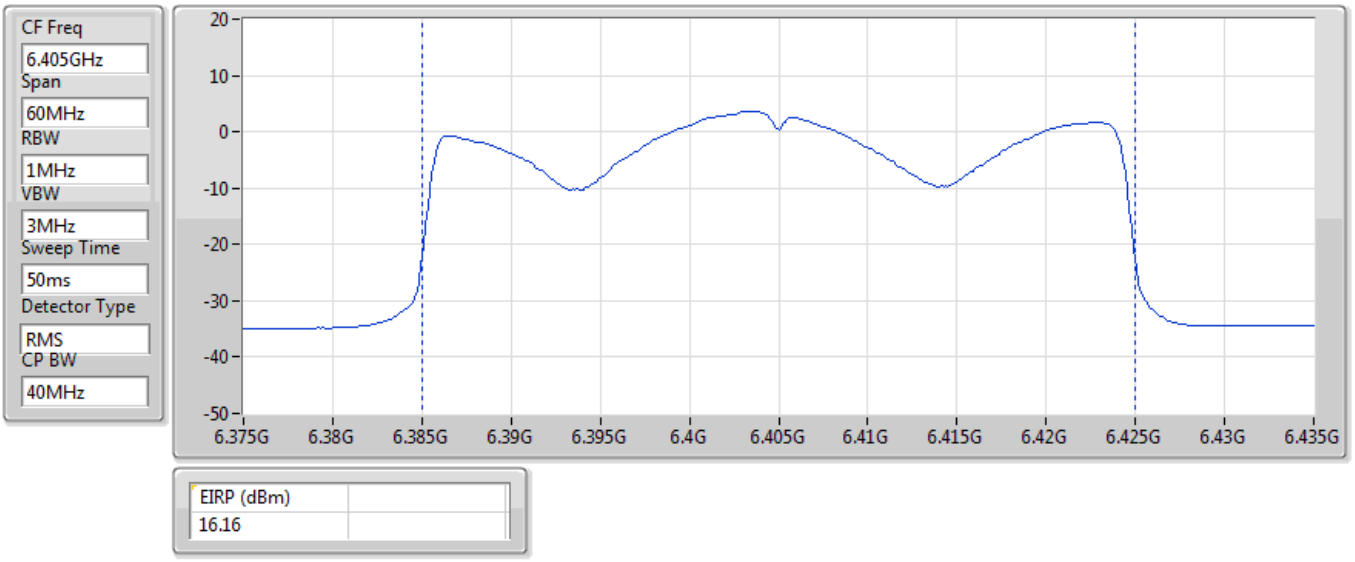
EIRP (dBm)
16.3

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6245MHz;TnomVnom



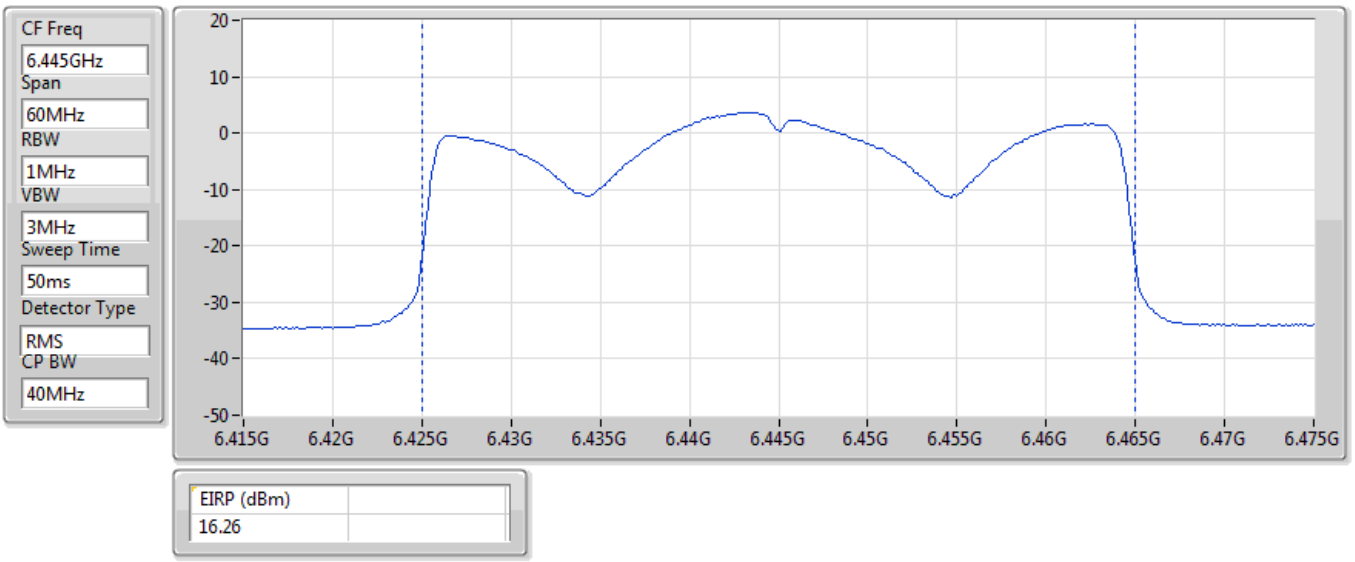
EIRP (dBm)
16.81

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6405MHz;TnomVnom



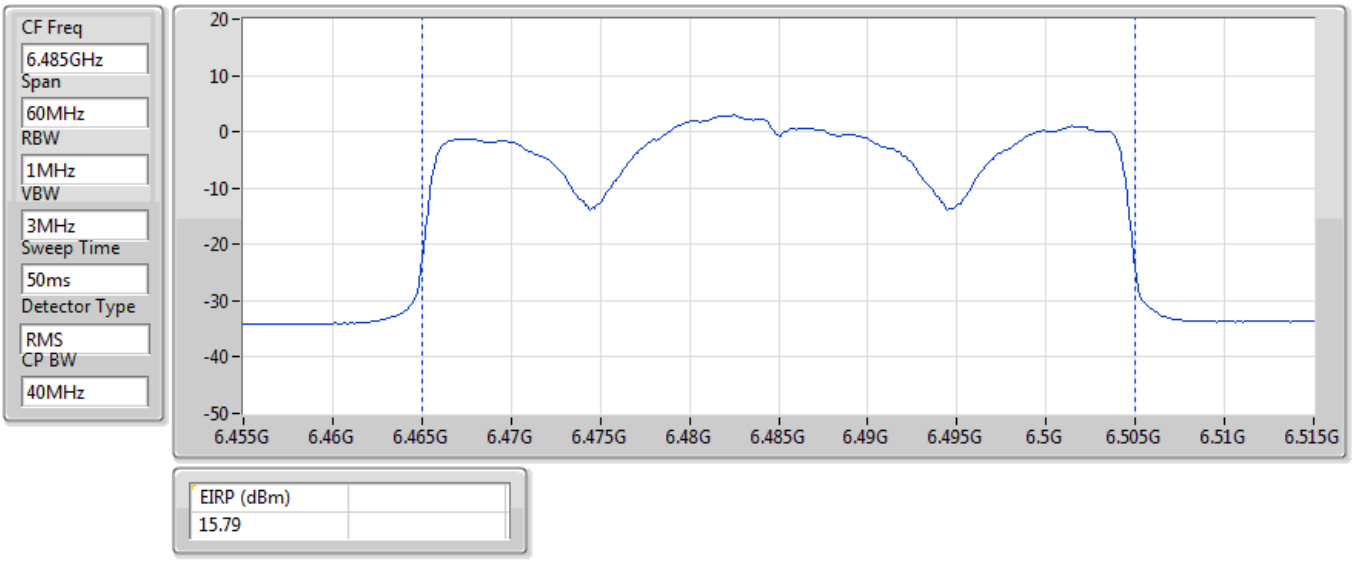
EIRP (dBm)
16.16

EIRP;Band:6.4G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6445MHz;TnomVnom

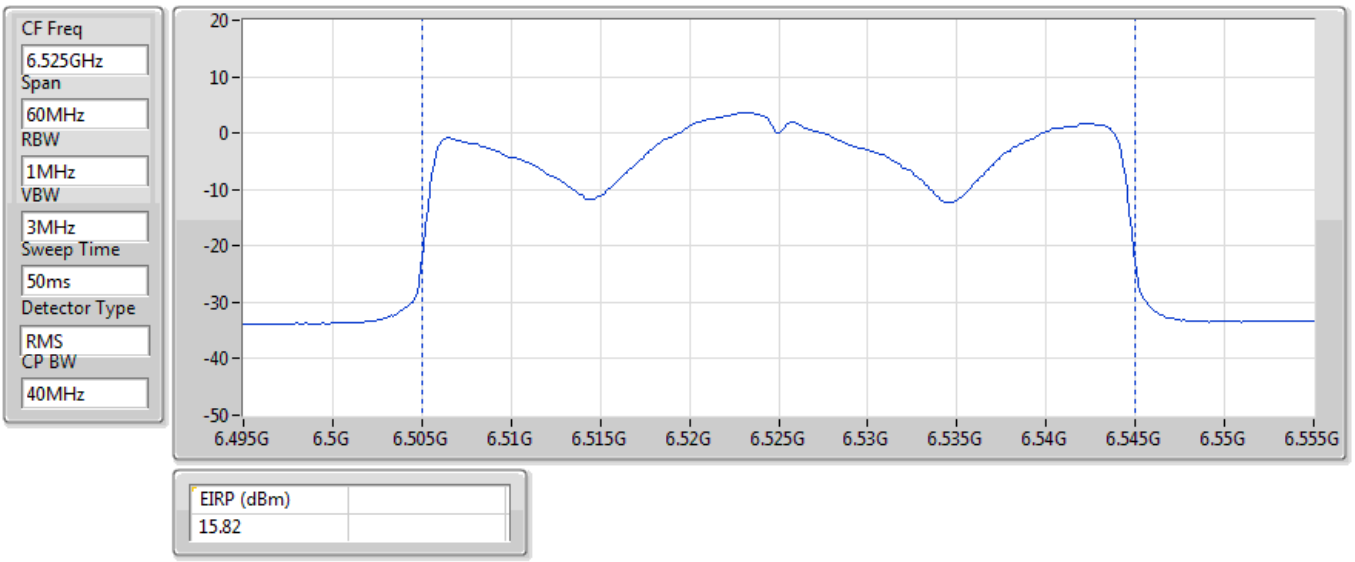


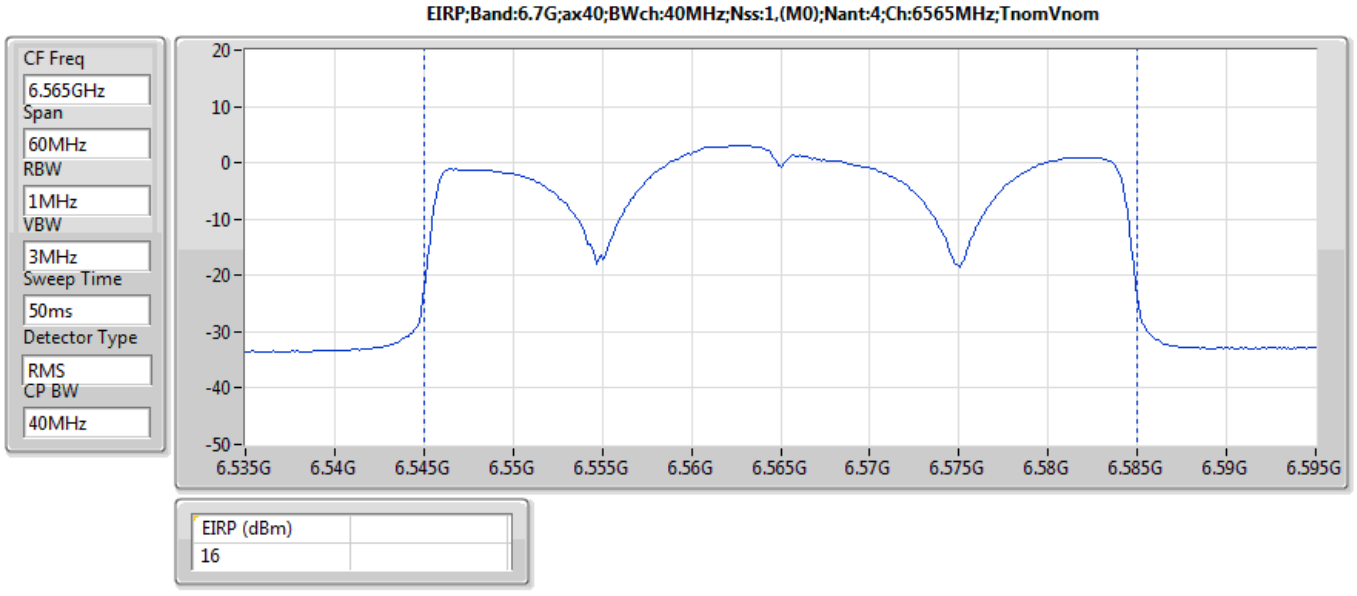
EIRP (dBm)
16.26

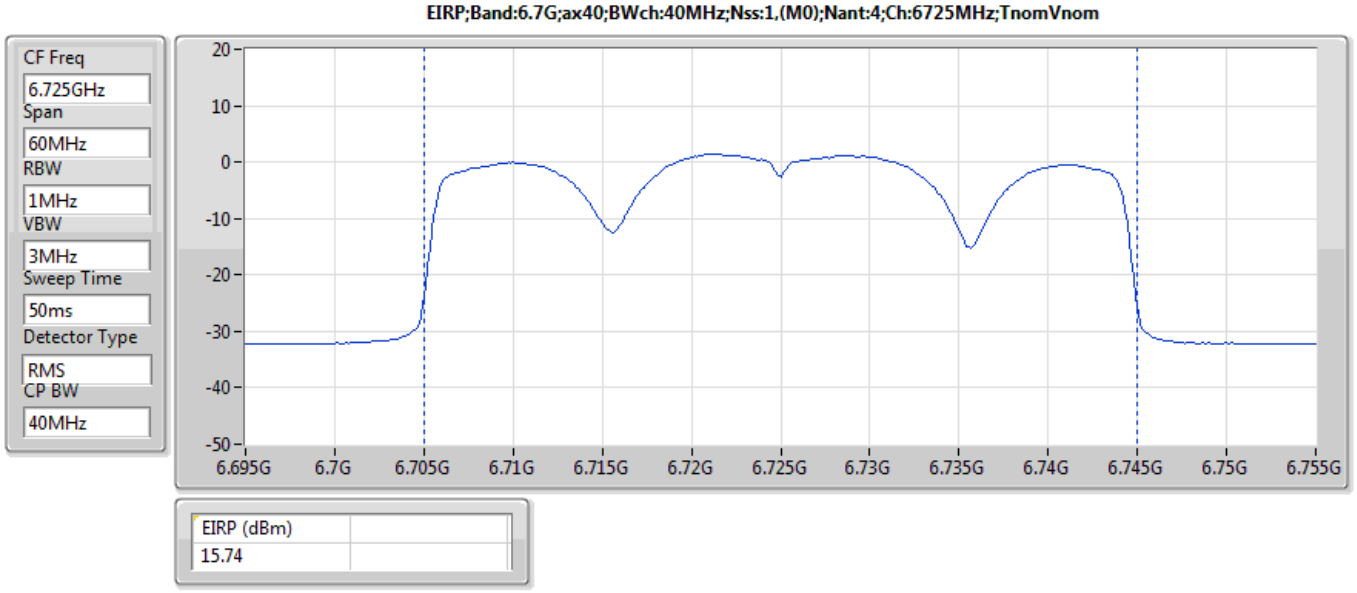
EIRP;Band:6.4G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6485MHz;TnomVnom



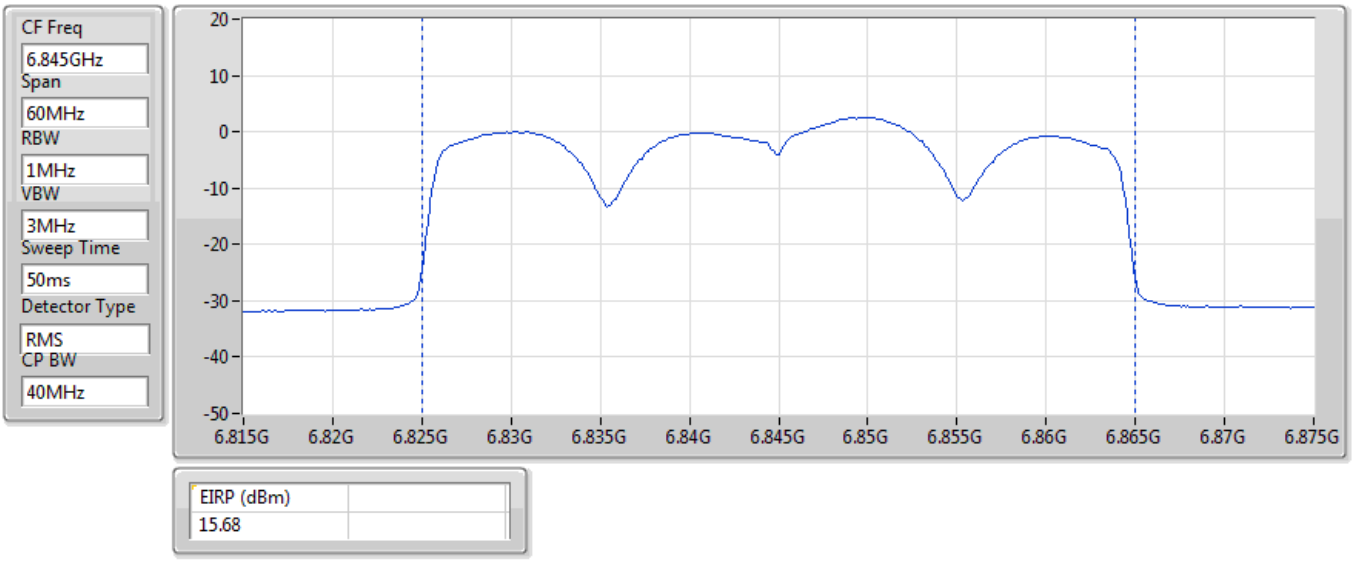
EIRP;Band:6.4G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6525MHz;TnomVnom



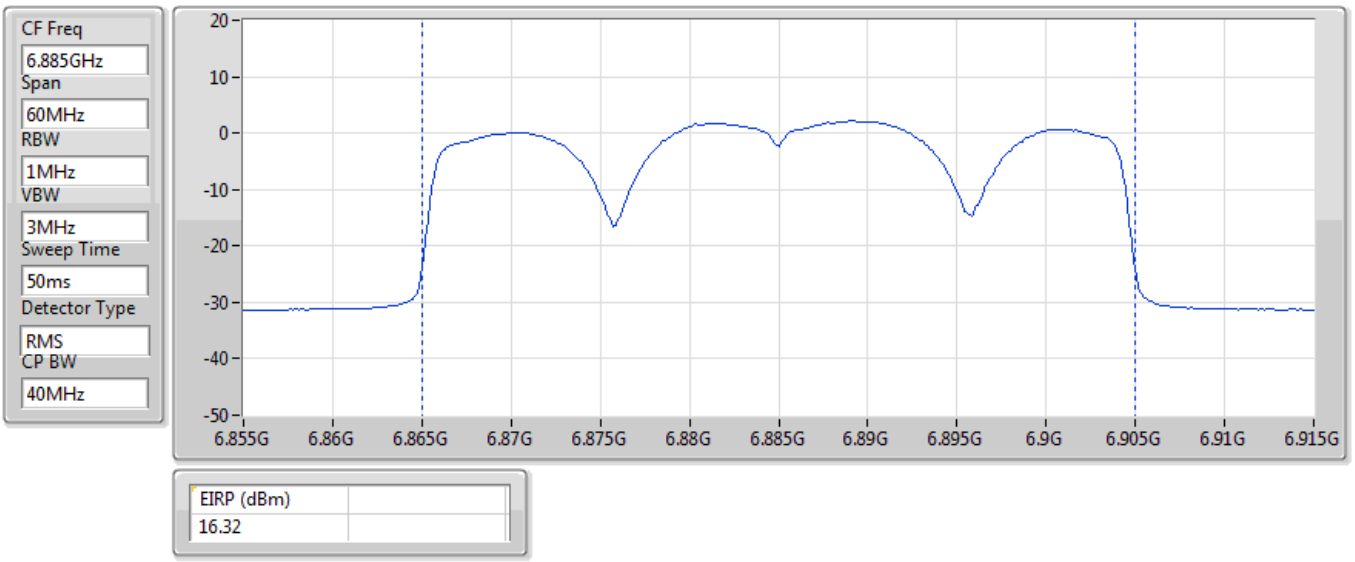

EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6565MHz;TnomVnom
CF Freq
6.565GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
40MHz
20
10
0
-10
-20
-30
-40
-50
6.535G
6.54G
6.545G
6.55G
6.555G
6.56G
6.565G
6.57G
6.575G
6.58G
6.585G
6.59G
6.595G
EIRP (dBm)
16


EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6725MHz;TnomVnom
CF Freq
6.725GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
40MHz
20
10
0
-10
-20
-30
-40
-50
6.695G
6.7G
6.705G
6.71G
6.715G
6.72G
6.725G
6.73G
6.735G
6.74G
6.745G
6.75G
6.755G
EIRP (dBm)
15.74

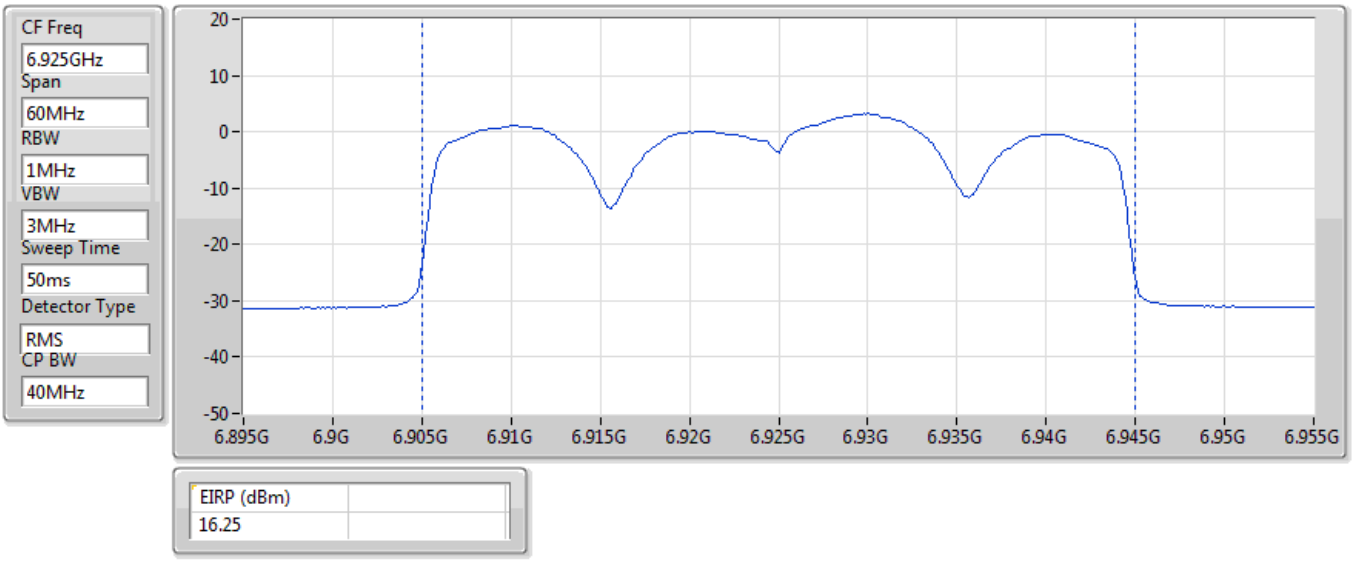
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6845MHz;TnomVnom



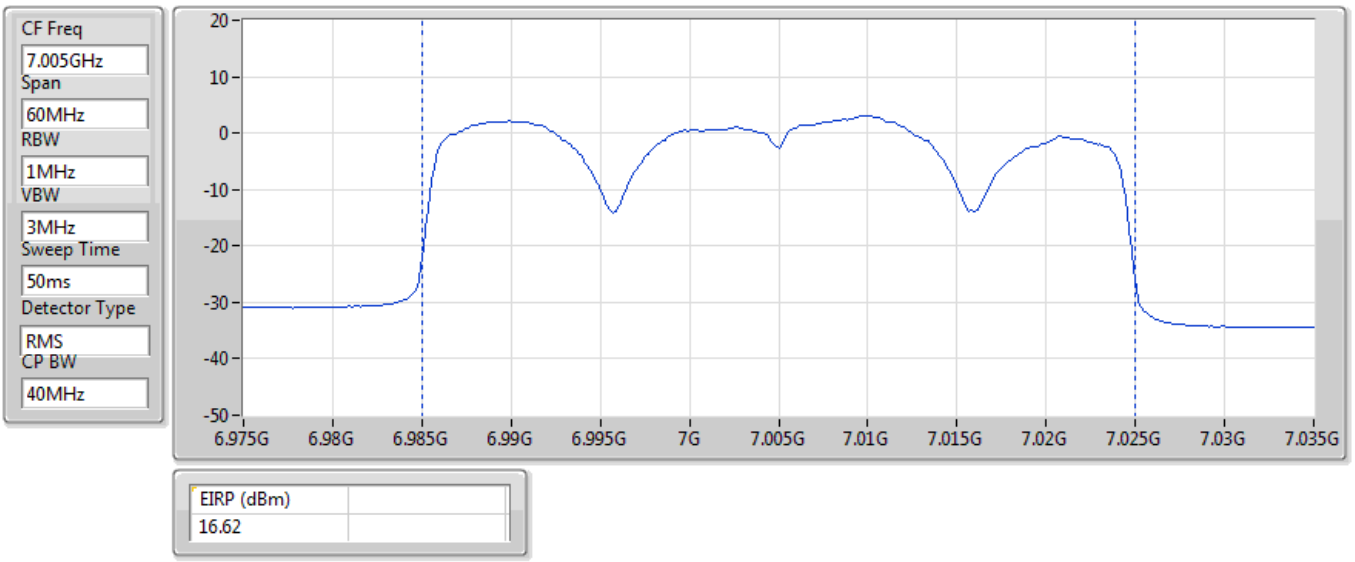
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6885MHz;TnomVnom

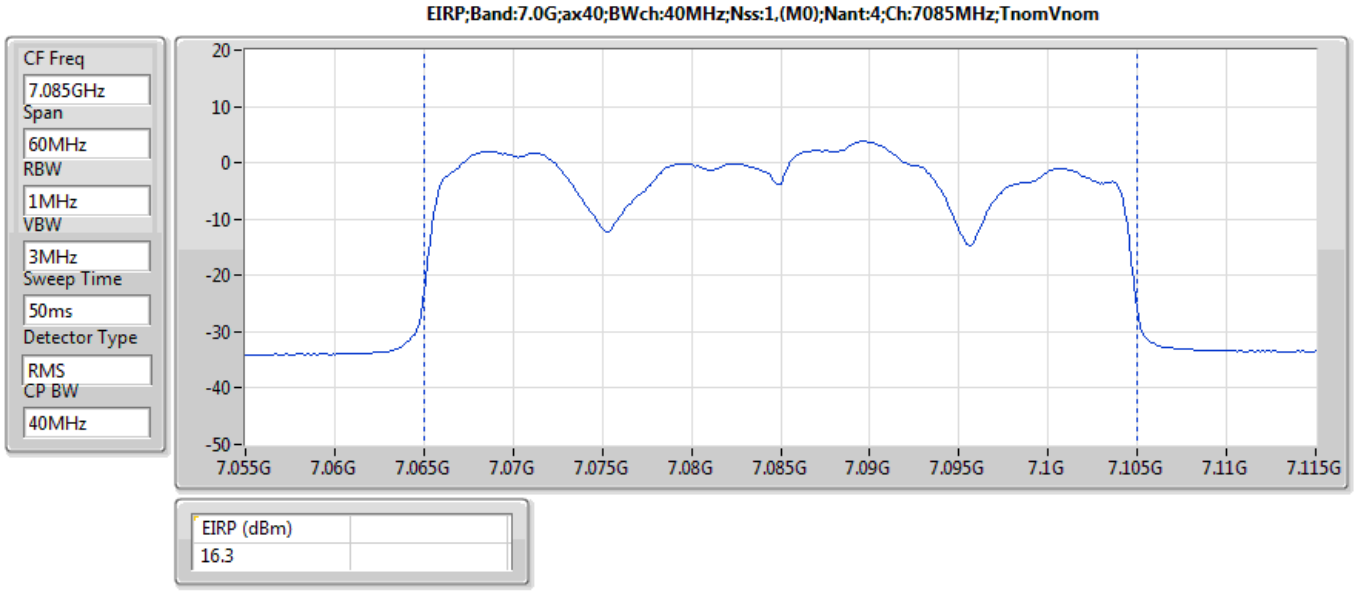


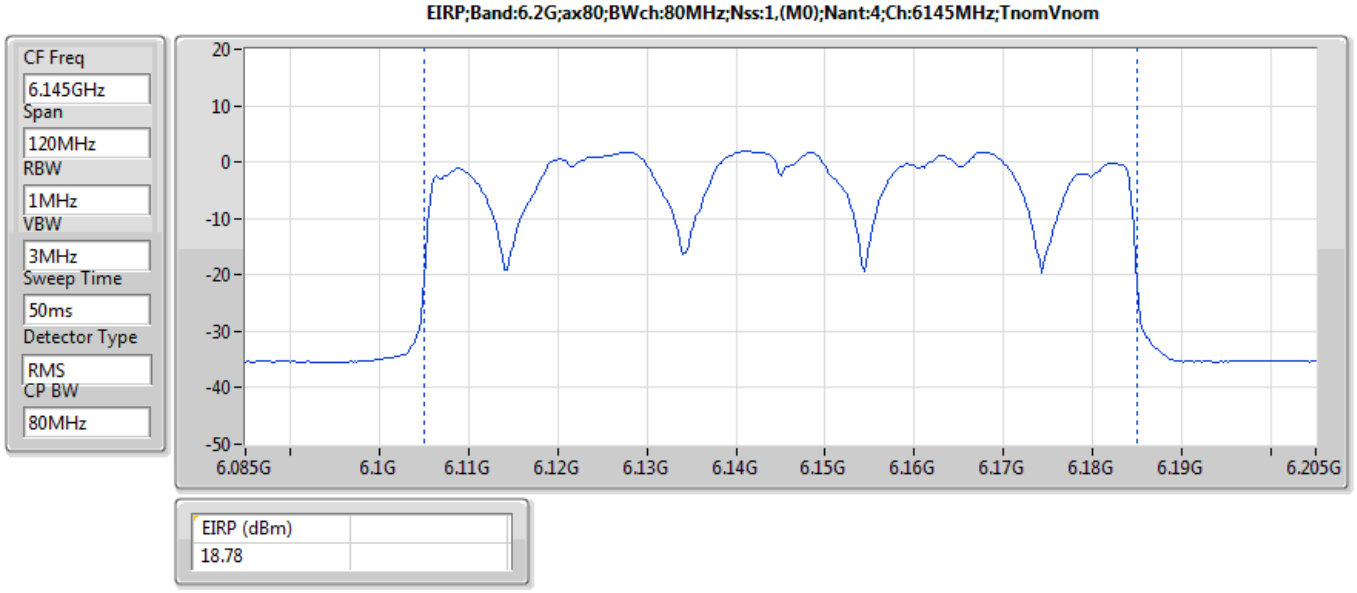
EIRP;Band:7.0G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6925MHz;TnomVnom



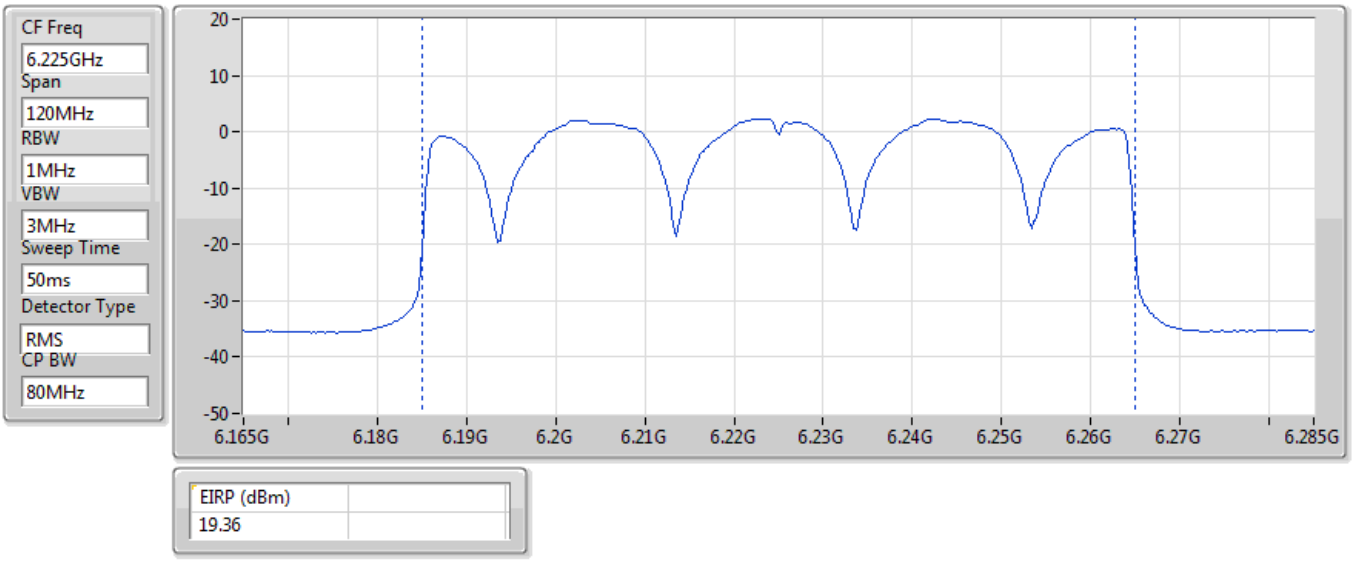
EIRP;Band:7.0G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:7005MHz;TnomVnom




EIRP;Band:7.0G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:7085MHz;TnomVnom
CF Freq
7.085GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
40MHz
20
10
0
-10
-20
-30
-40
-50
7.055G
7.06G
7.065G
7.07G
7.075G
7.08G
7.085G
7.09G
7.095G
7.1G
7.105G
7.11G
7.115G
EIRP (dBm)
16.3

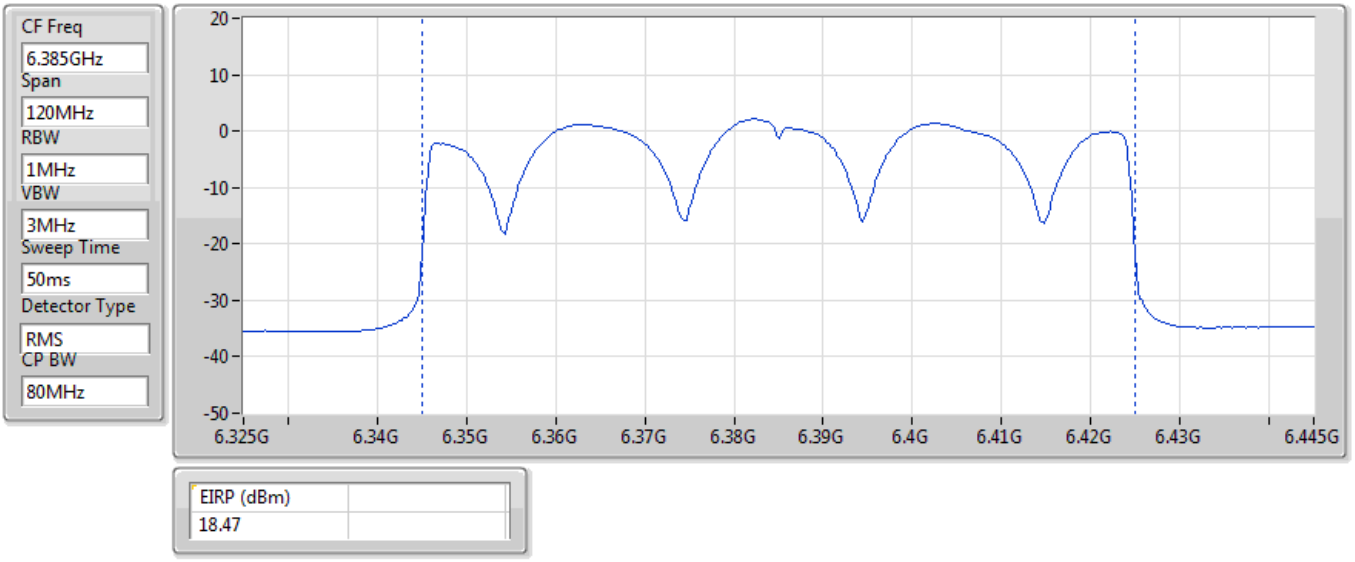

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6145MHz;TnomVnom
CF Freq
6.145GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
80MHz
20
10
0
-10
-20
-30
-40
-50
6.085G
6.1G
6.11G
6.12G
6.13G
6.14G
6.15G
6.16G
6.17G
6.18G
6.19G
6.205G
EIRP (dBm)
18.78

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6225MHz;TnomVnom



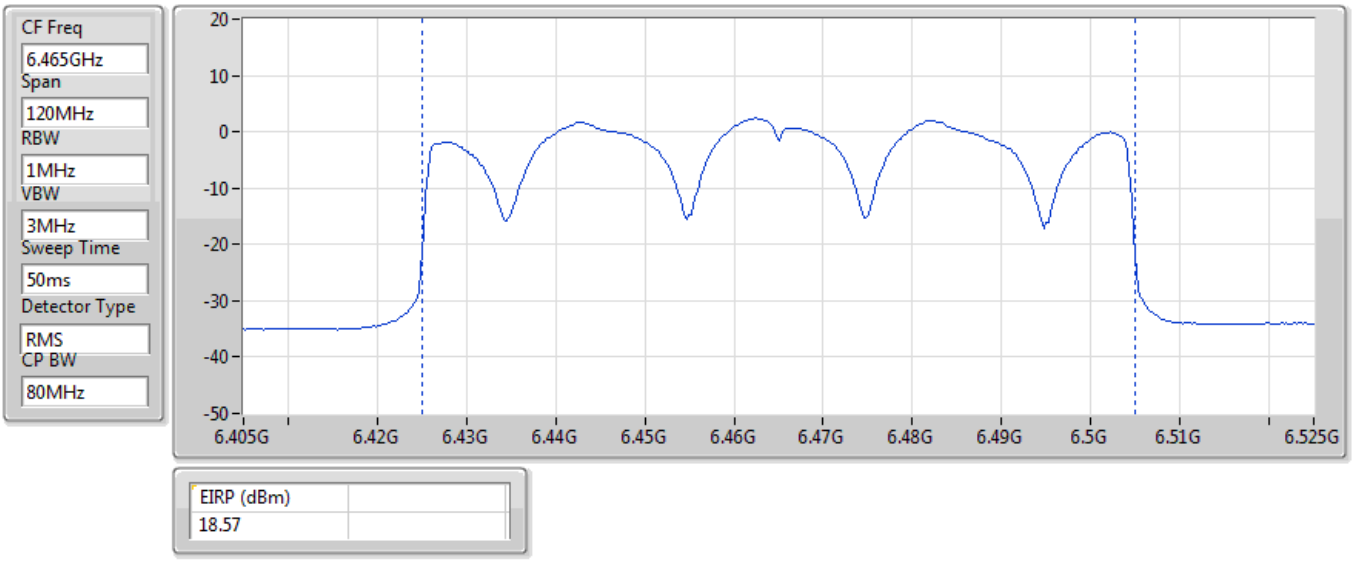
EIRP (dBm)
19.36

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6385MHz;TnomVnom



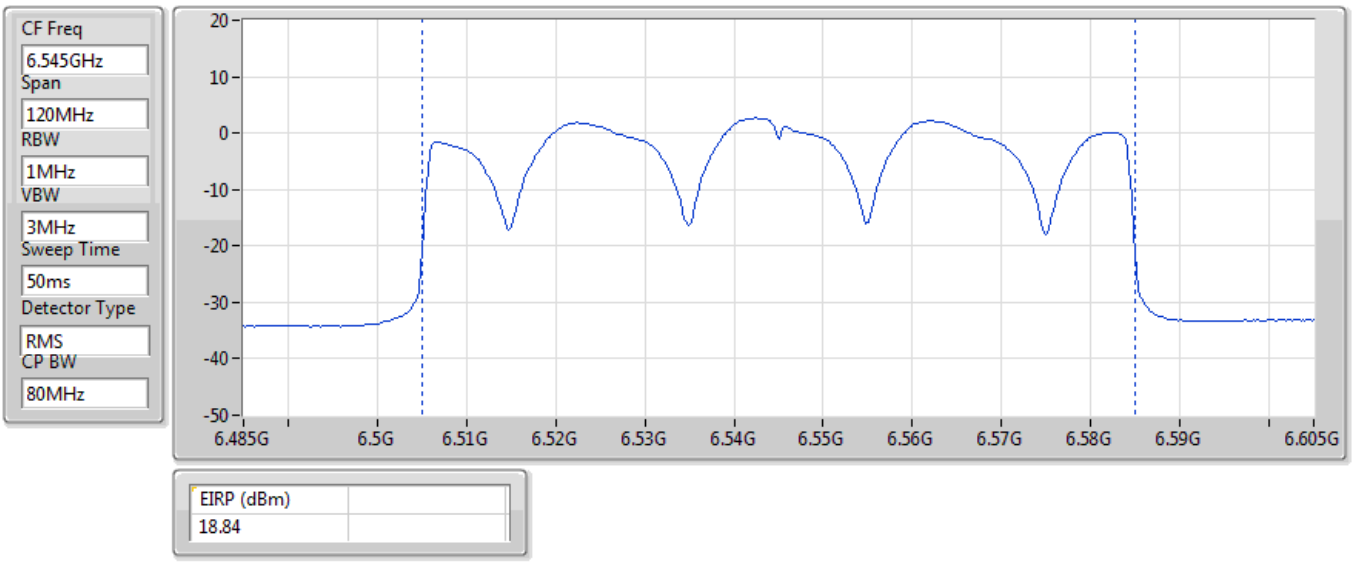
EIRP (dBm)
18.47

EIRP;Band:6.4G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6465MHz;TnomVnom



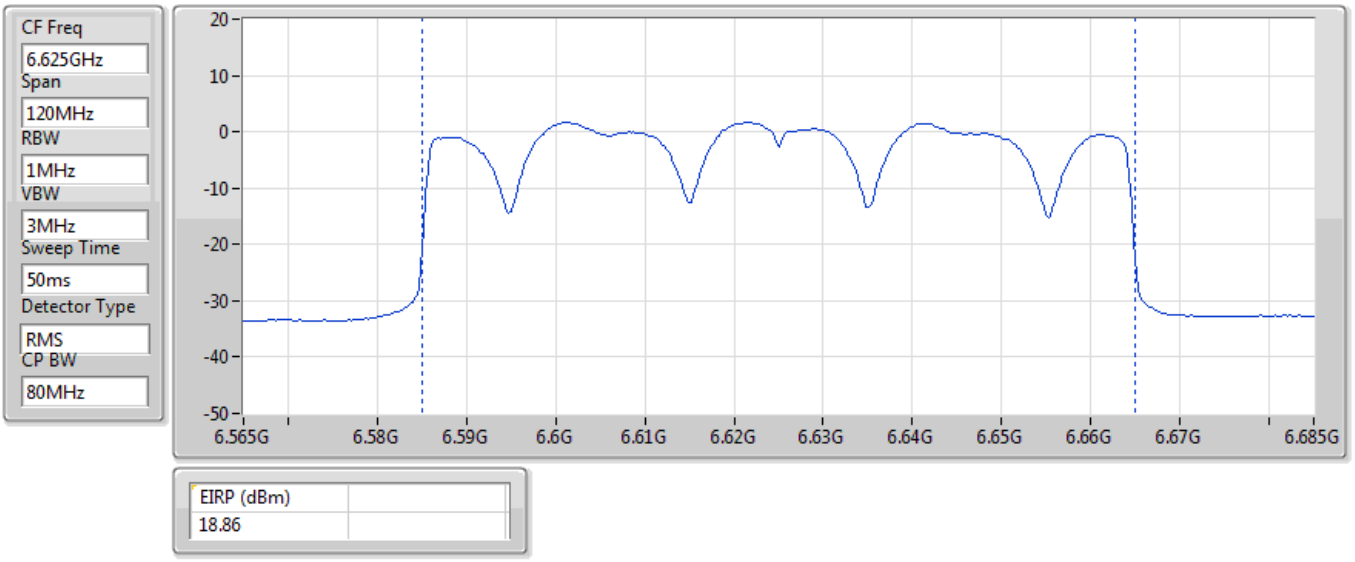
EIRP (dBm)
18.57

EIRP;Band:6.4G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6545MHz;TnomVnom



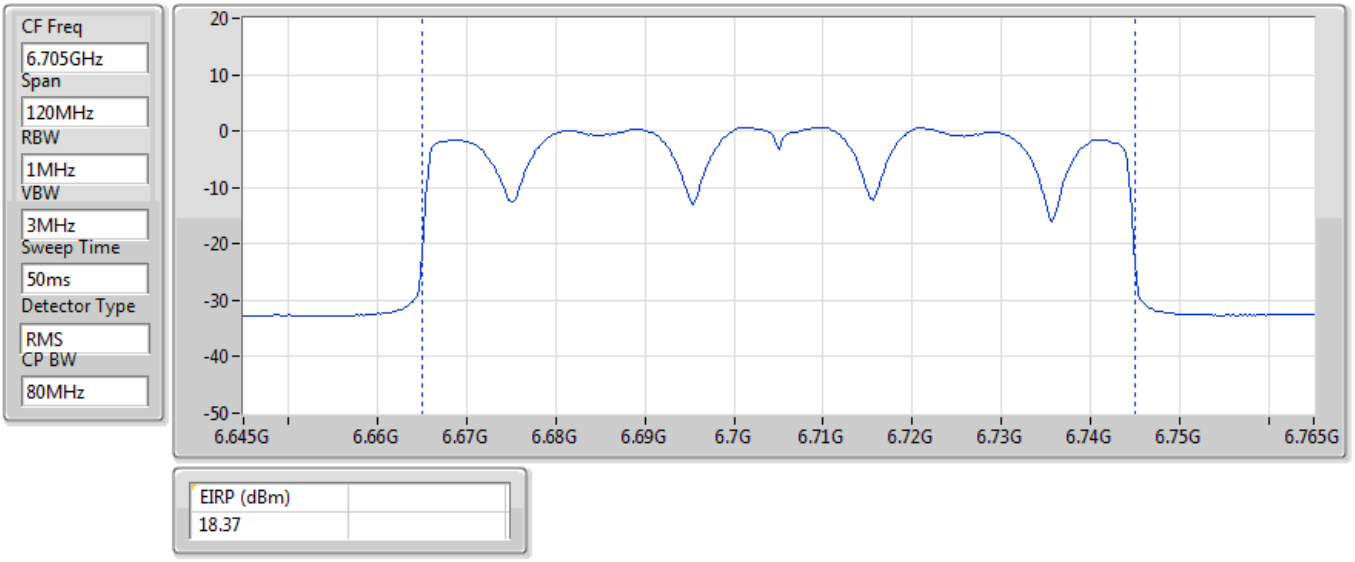
EIRP (dBm)
18.84

EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6625MHz;TnomVnom



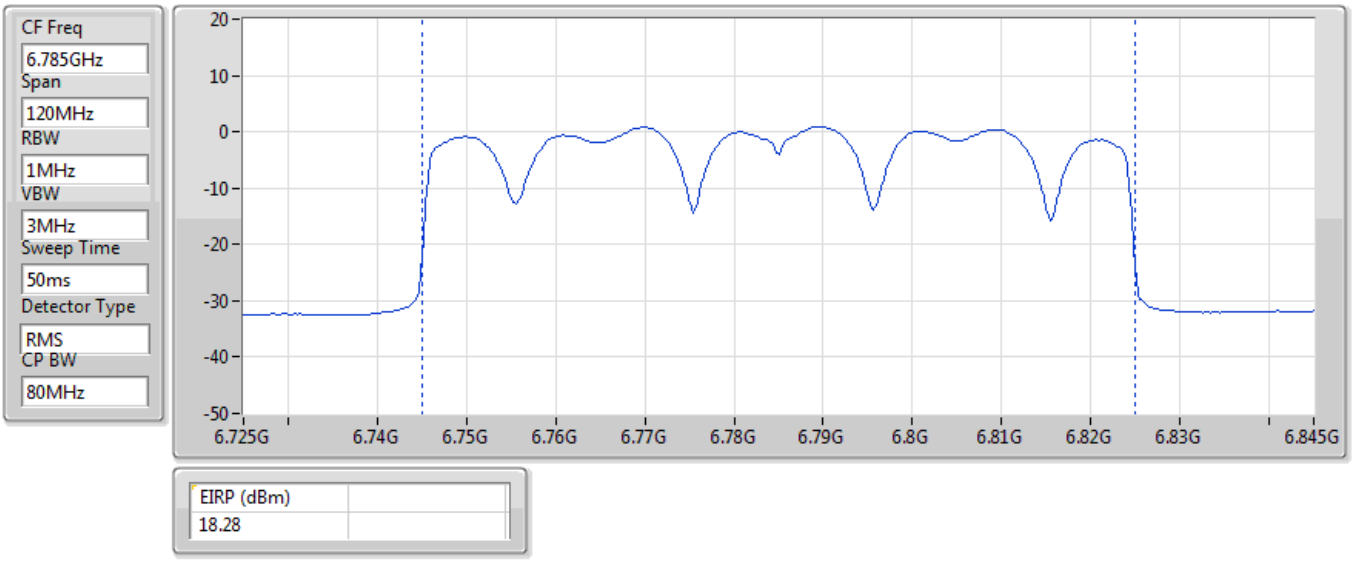
EIRP (dBm)
18.86

EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6705MHz;TnomVnom

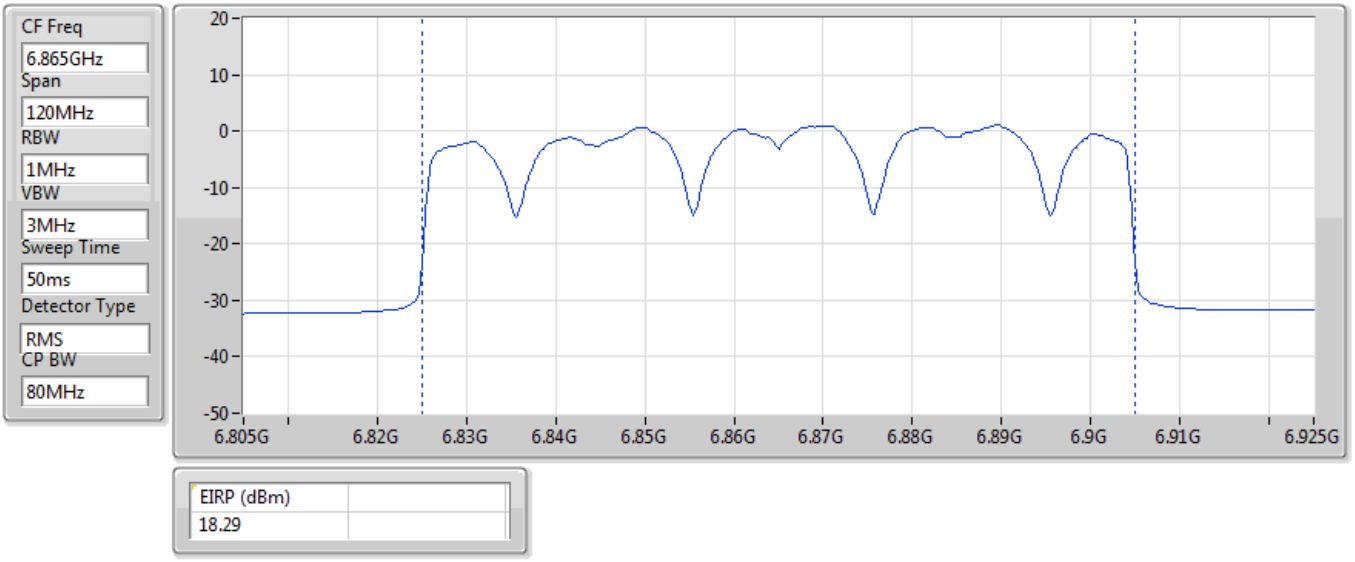


EIRP (dBm)
18.37

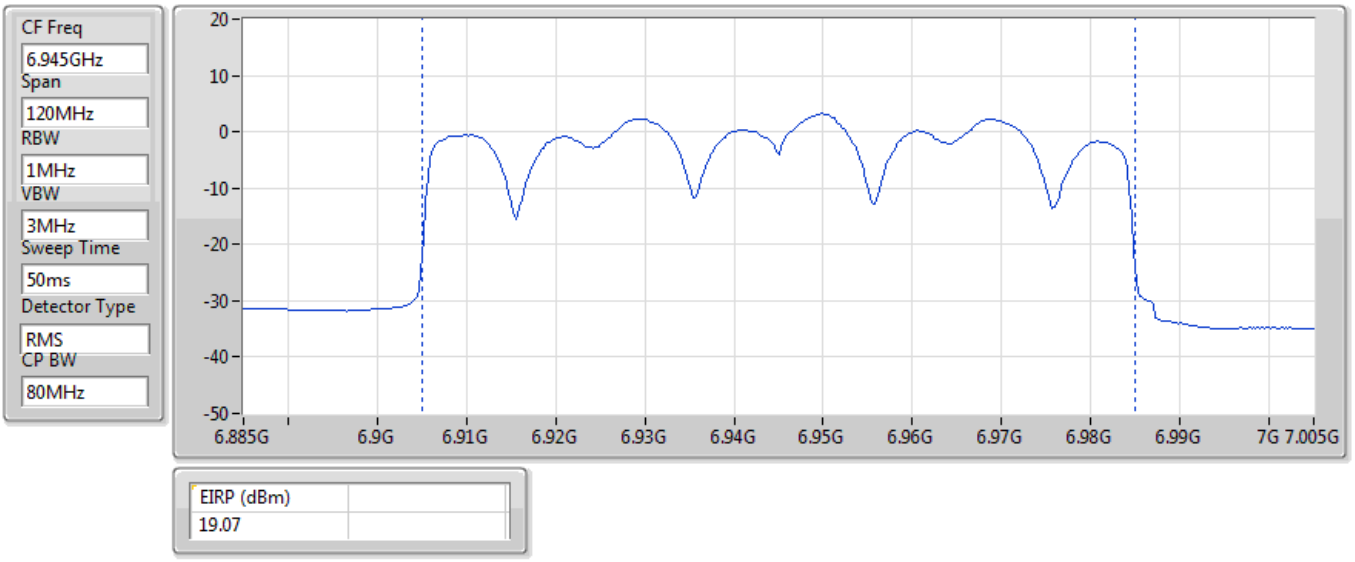
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6785MHz;TnomVnom



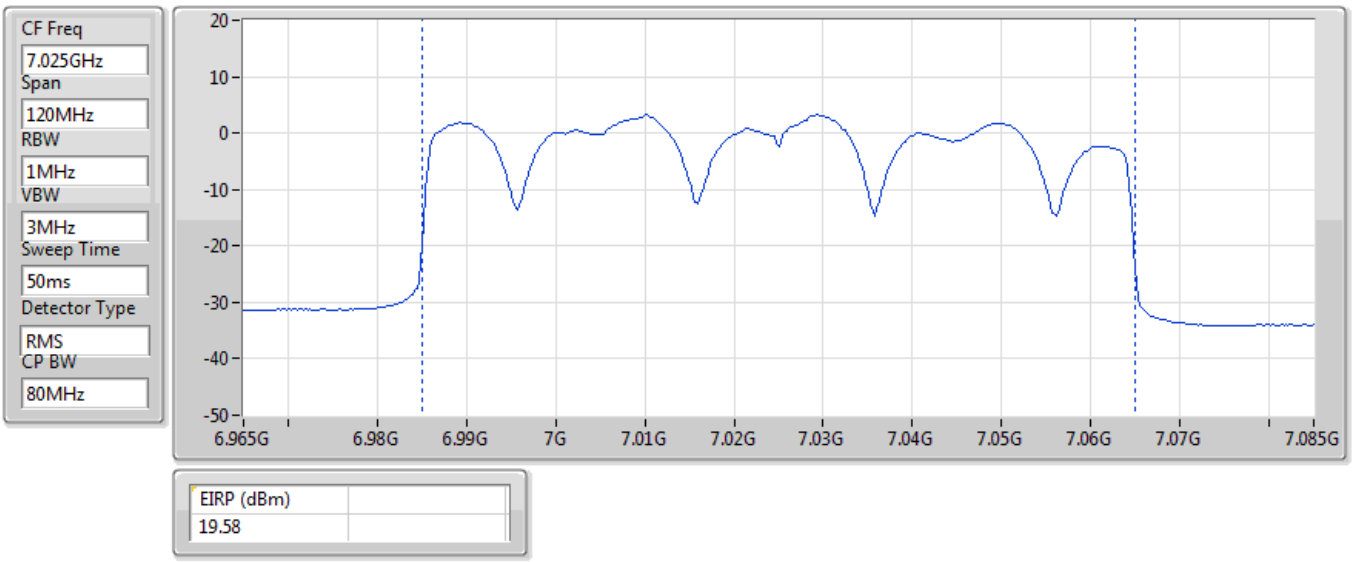
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6865MHz;TnomVnom

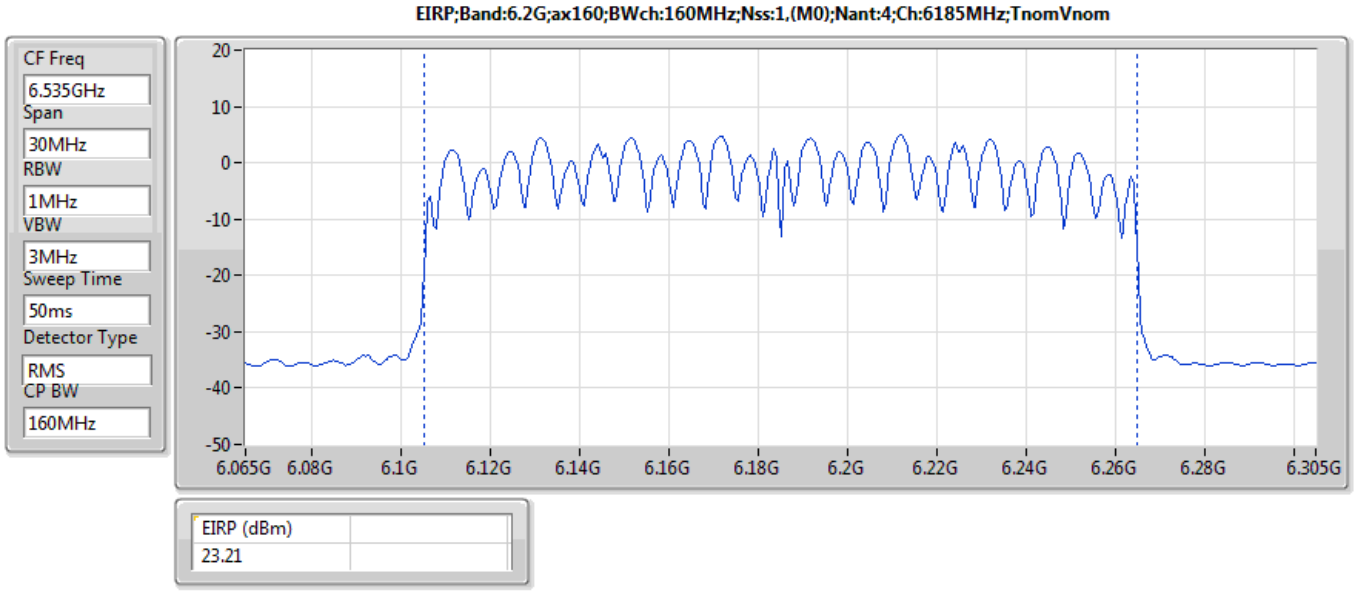


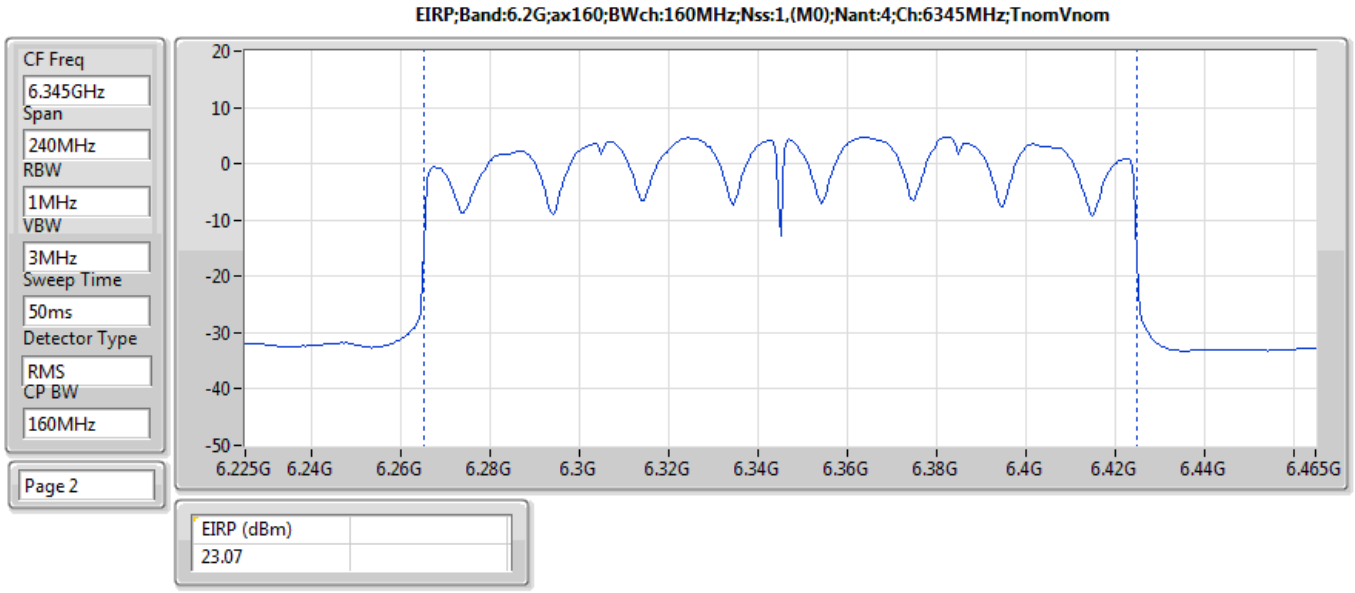
EIRP;Band:7.0G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6945MHz;TnomVnom

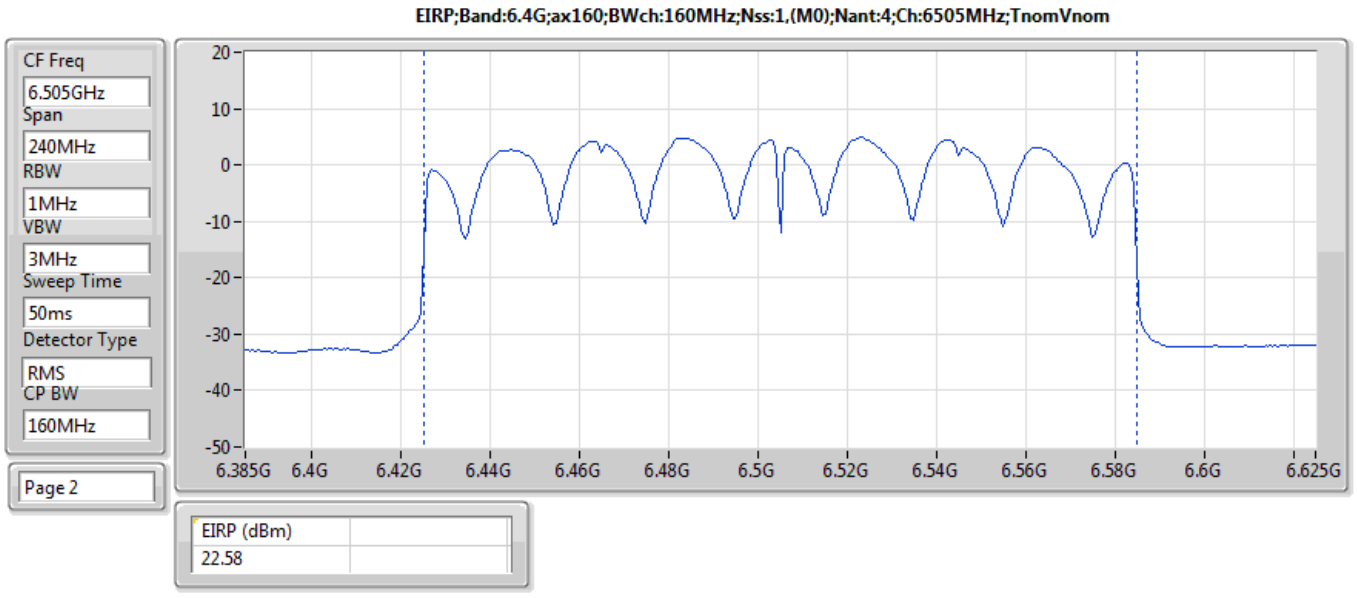


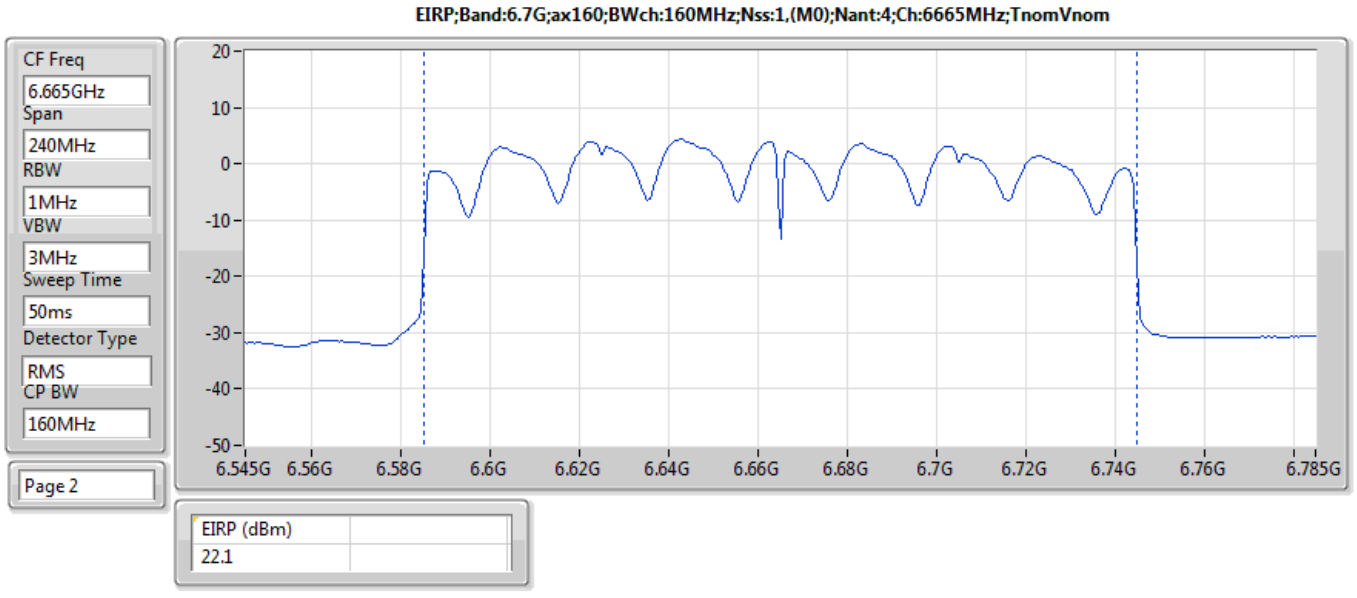
EIRP;Band:7.0G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:7025MHz;TnomVnom

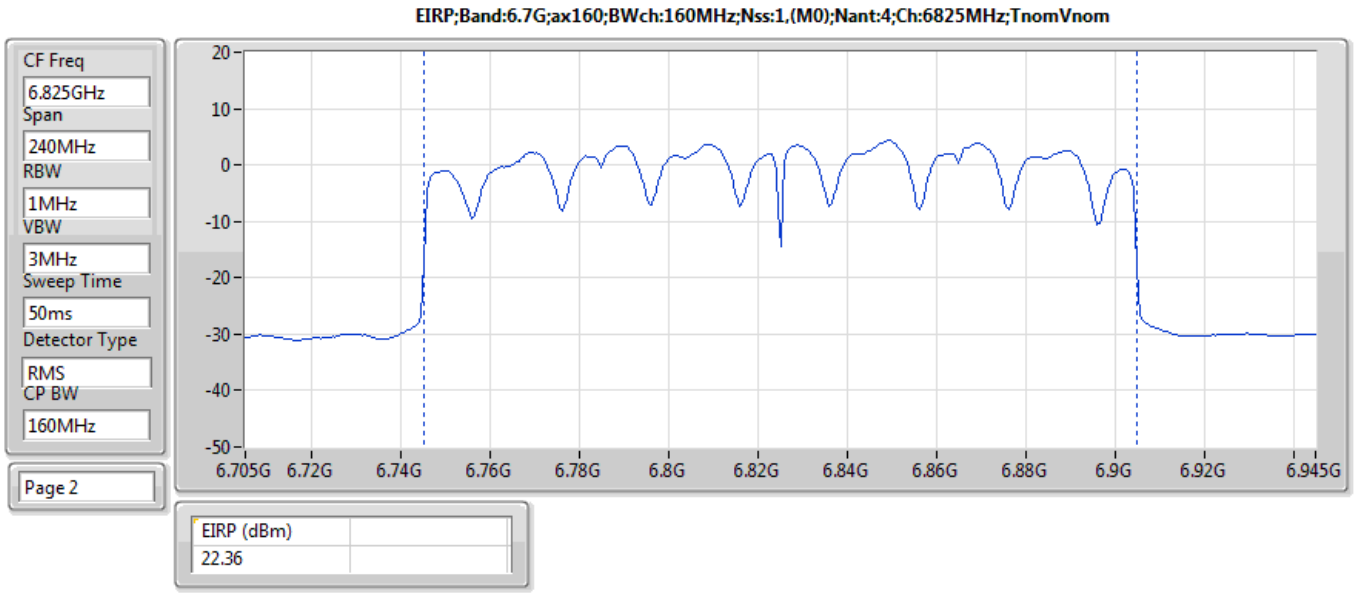


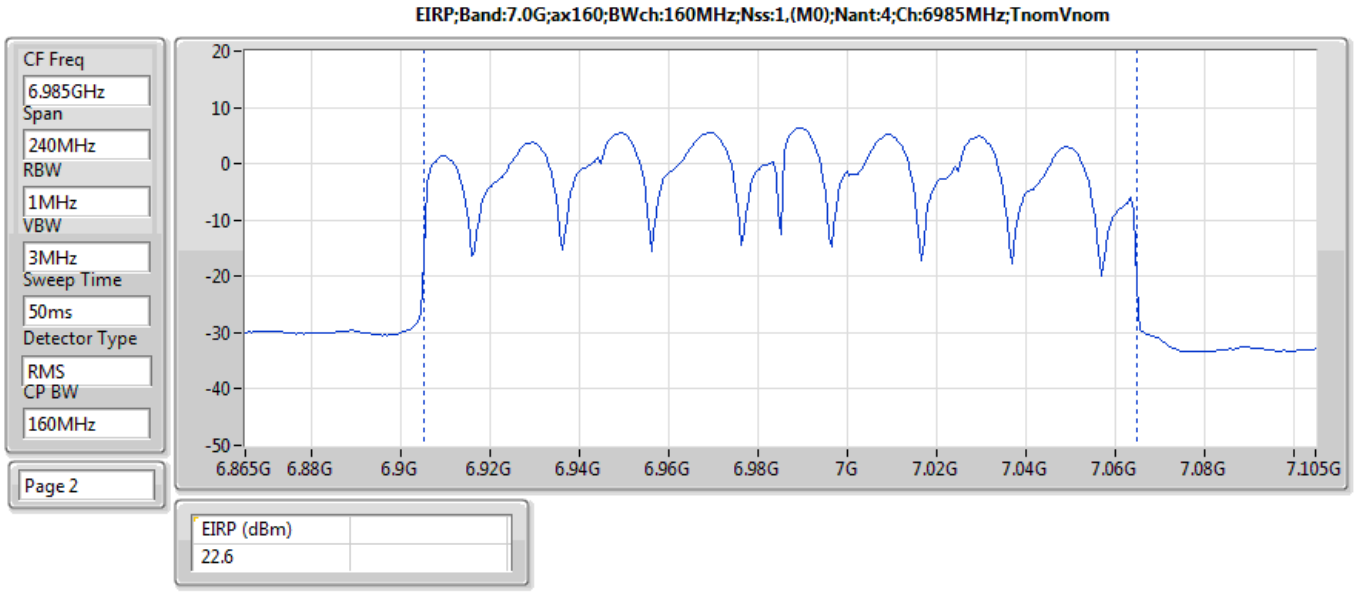

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6185MHz;TnomVnom
CF Freq
6.535GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
160MHz
20
10
0
-10
-20
-30
-40
-50
6.065G 6.08G 6.1G 6.12G 6.14G 6.16G 6.18G 6.2G 6.22G 6.24G 6.26G 6.28G 6.305G
EIRP (dBm)
23.21


EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6345MHz;TnomVnom
CF Freq
6.345GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
160MHz
Page 2
20
10
0
-10
-20
-30
-40
-50
6.225G 6.24G 6.26G 6.28G 6.3G 6.32G 6.34G 6.36G 6.38G 6.4G 6.42G 6.44G 6.465G
EIRP (dBm)
23.07


EIRP;Band:6.4G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6505MHz;TnomVnom
CF Freq
6.505GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
160MHz
Page 2
20
10
0
-10
-20
-30
-40
-50
6.385G 6.4G 6.42G 6.44G 6.46G 6.48G 6.5G 6.52G 6.54G 6.56G 6.58G 6.6G 6.625G
EIRP (dBm)
22.58


EIRP;Band:6.7G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6665MHz;TnomVnom
CF Freq
6.665GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
160MHz
Page 2
20
10
0
-10
-20
-30
-40
-50
6.545G 6.56G 6.58G 6.6G 6.62G 6.64G 6.66G 6.68G 6.7G 6.72G 6.74G 6.76G 6.785G
EIRP (dBm)
22.1


EIRP;Band:6.7G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6825MHz;TnomVnom
CF Freq
6.825GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
160MHz
Page 2
20
10
0
-10
-20
-30
-40
-50
6.705G 6.72G 6.74G 6.76G 6.78G 6.8G 6.82G 6.84G 6.86G 6.88G 6.9G 6.92G 6.945G
EIRP (dBm)
22.36


EIRP;Band:7.0G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6985MHz;TnomVnom
CF Freq
6.985GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
160MHz
Page 2
20
10
0
-10
-20
-30
-40
-50
6.865G 6.88G 6.9G 6.92G 6.94G 6.96G 6.98G 7G 7.02G 7.04G 7.06G 7.08G 7.105G
EIRP (dBm)
22.6

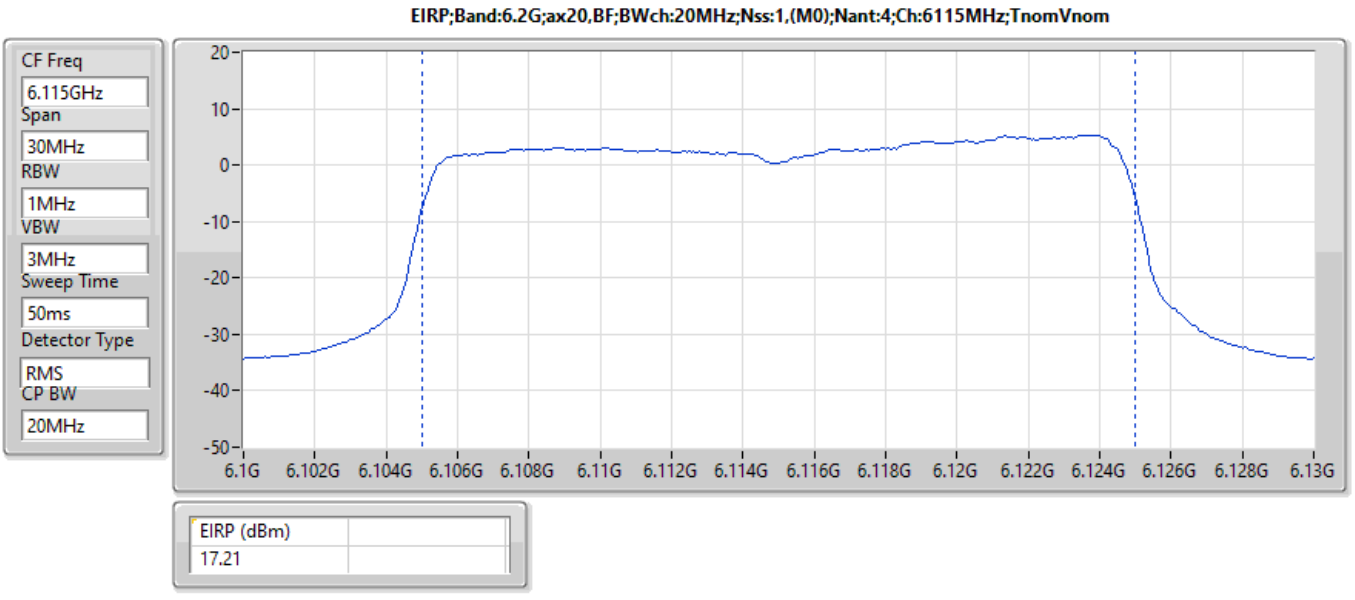
Summary

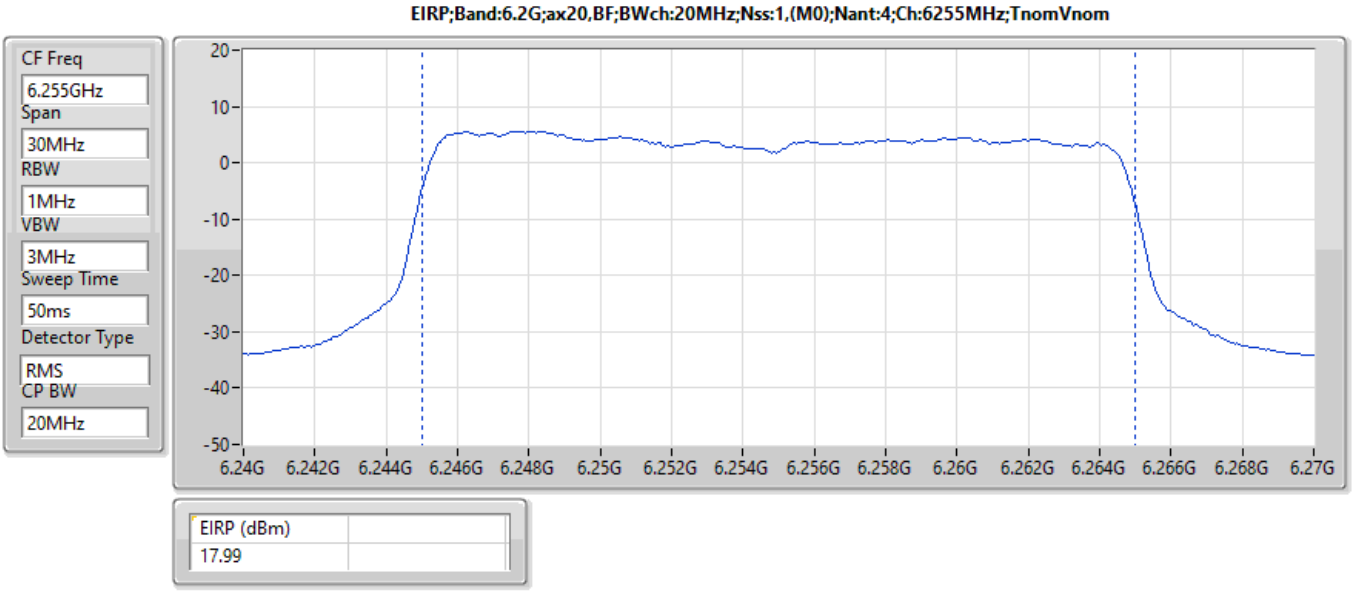
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.40	0.08710
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	21.34	0.13614
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	22.41	0.17418
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	25.92	0.39084
6.425-6.525GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.66	0.09247
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	22.02	0.15922
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.20	0.20893
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	26.64	0.46132
6.525-6.875GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.90	0.09772
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.80	0.23988
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.06	0.20230
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	26.60	0.45709
6.875-7.125GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.10	0.05129
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	18.93	0.07816
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	22.02	0.15922
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	26.17	0.41400

Result

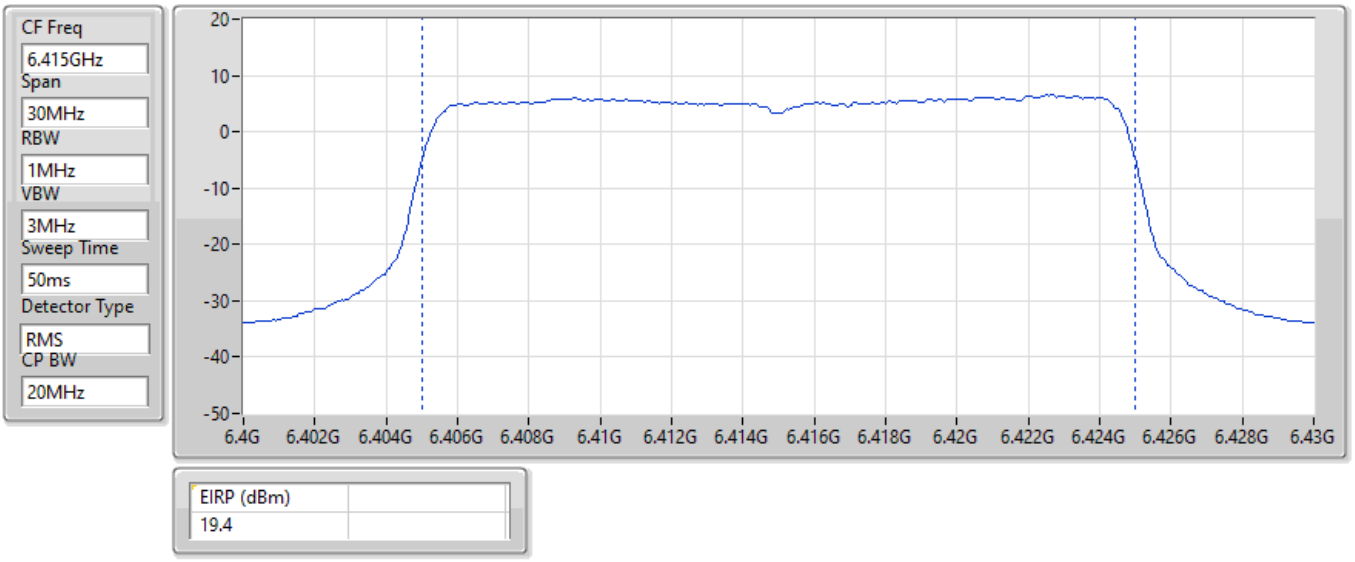
Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-
6115MHz	Pass	17.21	30.00
6255MHz	Pass	17.99	30.00
6415MHz	Pass	19.40	30.00
6435MHz	Pass	18.20	30.00
6475MHz	Pass	19.66	30.00
6515MHz	Pass	18.50	30.00
6535MHz	Pass	19.36	30.00
6695MHz	Pass	19.90	30.00
6855MHz	Pass	17.15	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	17.42	30.00
6895MHz	Pass	17.10	30.00
6995MHz	Pass	17.02	30.00
7095MHz	Pass	16.70	30.00
7115MHz	Pass	13.67	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-
6125MHz	Pass	20.10	30.00
6245MHz	Pass	20.30	30.00
6405MHz	Pass	21.34	30.00
6445MHz	Pass	21.71	30.00
6485MHz	Pass	22.02	30.00
6525MHz Straddle 6.425-6.525GHz	Pass	21.97	30.00
6565MHz	Pass	23.80	30.00
6725MHz	Pass	20.54	30.00
6845MHz	Pass	19.33	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	19.36	30.00
6925MHz	Pass	18.93	30.00
7005MHz	Pass	18.58	30.00
7085MHz	Pass	18.78	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-
6145MHz	Pass	22.41	30.00
6225MHz	Pass	22.22	30.00
6385MHz	Pass	21.77	30.00
6465MHz	Pass	22.35	30.00
6545MHz Straddle 6.425-6.525GHz	Pass	23.20	30.00
6625MHz	Pass	22.82	30.00
6705MHz	Pass	22.10	30.00
6785MHz	Pass	21.40	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	23.06	30.00
6945MHz	Pass	22.02	30.00
7025MHz	Pass	21.52	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-
6185MHz	Pass	25.92	30.00
6345MHz	Pass	25.07	30.00
6505MHz Straddle 6.425-6.525GHz	Pass	26.64	30.00
6665MHz	Pass	24.49	30.00
6825MHz Straddle 6.525-6.875GHz	Pass	26.60	30.00
6985MHz	Pass	26.17	30.00

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


EIRP;Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6115MHz;TnomVnom
CF Freq
6.115GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
20MHz
20
10
0
-10
-20
-30
-40
-50
6.1G 6.102G 6.104G 6.106G 6.108G 6.11G 6.112G 6.114G 6.116G 6.118G 6.12G 6.122G 6.124G 6.126G 6.128G 6.13G
EIRP (dBm)
17.21


EIRP;Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6255MHz;TnomVnom
CF Freq
6.255GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
RMS
CP BW
20MHz
20
10
0
-10
-20
-30
-40
-50
6.24G 6.242G 6.244G 6.246G 6.248G 6.25G 6.252G 6.254G 6.256G 6.258G 6.26G 6.262G 6.264G 6.266G 6.268G 6.27G
EIRP (dBm)
17.99

EIRP;Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6415MHz;TnomVnom



EIRP;Band:6.4G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6435MHz;TnomVnom