Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	UDX-600104010
Equipment	:	Wi-Fi 6E Access Point
Brand Name	:	Cisco
Model Name	:	MR57-HW
Applicant	:	Cisco Systems, Inc. 170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer	:	Cisco Systems, Inc. 170 West Tasman Drive, San Jose, CA 95134 USA
Standard	:	47 CFR FCC Part 15.407

The product was received on Aug. 24, 2023, and testing was started from Aug. 31, 2023 and completed on Sep. 11, 2023. 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 variant 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
FR181947-17	01	Initial issue of report	Feb. 07, 2024
FR181947-17	02	Add the information for Channel Puncturing Function in section1.1.4	Feb. 08, 2024

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	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Equivalent Isotopically Radiated Power (E.I.R.P.)	PASS	-
3.3	15.407(a)	Peak Power Spectral Density (E.I.R.P.)	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-
-	15.407(d)	Contention-Based Protocol	N/A	Standard Power AP w/o test

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. 2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".
Disclaimer:
1. The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity. 2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

Reviewed by: Sam Chen
Report Producer: Sandy Chuang

1 General Description

1.1 Information

1.1.1 RF General Information

For LPI Access Point:

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-7125	ax (HEW20)	5955-7115	1-233 [59]
5925-7125	ax (HEW40)	5965-7085	3-227 [29]
5925-7125	ax (HEW80)	5985-7025	7-215 [14]
5925-7125	ax (HEW160)	6025-6985	15-207 [7]

Band	Mode	BWch (MHz)	Nant
5925-7125MHz	802.11ax HEW20	20	1TX, 2TX, 4TX / 4RX
5925-7125MHz	802.11ax HEW20-BF	20	2TX, 4TX / 4RX
5925-7125MHz	802.11ax HEW40	40	1TX, 2TX, 4TX / 4RX
5925-7125MHz	802.11ax HEW40-BF	40	2TX, 4TX / 4RX
5925-7125MHz	802.11ax HEW80	80	1TX, 2TX, 4TX / 4RX
5925-7125MHz	802.11ax HEW80-BF	80	2TX, 4TX / 4RX
5925-7125MHz	802.11ax HEW160	160	1TX, 2TX, 4TX / 4RX
5925-7125MHz	802.11ax HEW160-BF	160	2TX, 4TX / 4RX

For Standard Power Access Point:

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-6425	ax (HEW20)	5955-6415	1-93 [24]
6525-6875		6535-6855	117-181 [17]
5925-6425	ax (HEW40)	5965-6405	3-91 [12]
6525-6875		6565-6845	123-179 [8]
5925-6425	ax (HEW80)	5985-6385	7-87 [6]
6525-6875		6625-6785	135-167 [3]
5925-6425	ax (HEW160)	6025-6345	15-79 [3]
6525-6875		6665	143 [1]

Band	Mode	BWch (MHz)	Nant
5925-6425 / 6525-6875 MHz	802.11ax HEW20	20	1TX, 2TX, 4TX / 4RX
5925-6425 / 6525-6875 MHz	802.11ax HEW20-BF	20	2TX, 4TX / 4RX
5925-6425 / 6525-6875 MHz	802.11ax HEW40	40	1TX, 2TX, 4TX / 4RX
5925-6425 / 6525-6875 MHz	802.11ax HEW40-BF	40	2TX, 4TX / 4RX
5925-6425 / 6525-6875 MHz	802.11ax HEW80	80	1TX, 2TX, 4TX / 4RX
5925-6425 / 6525-6875 MHz	802.11ax HEW80-BF	80	2TX, 4TX / 4RX
5925-6425 / 6525-6875 MHz	802.11ax HEW160	160	1TX, 2TX, 4TX / 4RX
5925-6425 / 6525-6875 MHz	802.11ax HEW160-BF	160	2TX, 4TX / 4RX

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	P/N	Ant. Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz UNII 1~3	WLAN 5GHz UNII 2C~4	WLAN 6GHz UNII 5~8	Bluetooth					
1	4	4	-	-	-	CISCO	95XKAN15.G42	PIFA	I-PEX	Note1
2	3	3	-	-	-	CISCO	95XKAN15.G43	PIFA	I-PEX	
3	2	2	-	-	-	CISCO	95XKAN15.G44	PIFA	I-PEX	
4	1	1	-	-	-	CISCO	95XKAN15.G45	PIFA	I-PEX	
5	-	-	2	2	-	CISCO	95XKAN15.G46	Dipole	I-PEX	
6	-	-	1	1	-	CISCO	95XKAN15.G47	Dipole	I-PEX	
7	-	-	4	4	-	CISCO	95XKAN15.G48	Dipole	I-PEX	
8	-	-	3	3	-	CISCO	95XKAN15.G49	Dipole	I-PEX	
9	1	1	-	-	-	CISCO	95XKAN15.G51	PIFA	I-PEX	
10	-	-	-	-	1	CISCO	95XKAN15.G50	PIFA	I-PEX	

Note1:

Ant.	Antenna Gain (dBi)											
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 5GHz UNII 4	WLAN 6GHz UNII 5	WLAN 6GHz UNII 6	WLAN 6GHz UNII 7	WLAN 6GHz UNII 8	Blue tooth	Remark
1	1.87	4.07	4.09	2.45	1.97	-	-	-	-	-	-	Radio 1
2	2.68	3.7	4.21	3	3.84	-	-	-	-	-	-	Radio 1
3	2.7	3.29	3.51	2.33	3.03	-	-	-	-	-	-	Radio 1
4	1.52	1.8	1.7	1.44	1.61	-	-	-	-	-	-	Radio 1
5	-	-	-	3.52	3.3	4.84	5.05	4.08	4.27	3.47	-	Radio 2
6	-	-	-	3.54	4.33	4.28	4.71	3.72	3.49	4.02	-	Radio 2
7	-	-	-	4.28	4.45	4.6	4.64	4.40	4.31	3.39	-	Radio 2
8	-	-	-	4.13	4.39	4.75	4.76	3.51	4.21	4.03	-	Radio 2
9	3.80	6.29	6.29	6.29	6.29	-	-	-	-	-	-	Radio 3
10	-	-	-	-	-	-	-	-	-	-	3.65	Radio 4

Note2:

Item	Directional Gain (dBi)						Remark
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 5GHz UNII 4	
2T1S	3.93	4.36	4.68	3.36	3.75	-	Radio 1
4T1S	5.7	6.45	6.36	5.06	5.18	-	
2T1S	-	-	-	5.32	6.01	5.57	Radio 2
4T1S	-	-	-	5.65	6.75	6.43	

Note3: Radio 1 (WLAN 2.4/5GHz UNII 1~3), Radio 2 (5GHz UNII 2C, 3, 4): The directional gain is measured which follows the procedure of KDB 662911 D03. The antenna report is provided in the operational description for this application.

Note4: The above information was declared by manufacturer.
The EUT has ten antennas.
For WLAN 2.4GHz function (Radio 1):
For IEEE 802.11b/g/n/VHT/ax mode (1TX, 2TX, 4TX/4RX):
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2TX
Only Port 1 and Port 2 can be use as transmitting antenna.
Port 1 and Port 2 could transmit simultaneously.
For 4TX
Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.
For 4RX
Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.
For WLAN 5GHz function (Radio 1 and Radio 2):
For IEEE 802.11a/n/ac/ax mode (1TX, 2TX, 4TX/4RX):
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2TX
Only Port 1 and Port 2 can be use as transmitting antenna.
Port 1 and Port 2 could transmit simultaneously.
For 4TX
Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.
For 4RX
Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.
For 6GHz function (Radio 2):
For IEEE 802.11ax mode (1TX, 2TX, 4TX/4RX):
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2TX
Only Port 1 and Port 2 can be use as transmitting antenna.
Port 1 and Port 2 could transmit simultaneously.
For 4TX
Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.
For 4RX
Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.
For Scanning Radio 3:
For WLAN 2.4GHz function
For 802.11b/g/n/VHT/ax mode (1RX):
Only Port 1 can be used as receiving functions.
For WLAN 5GHz function
For IEEE 802.11a/n/ac/ax mode (1RX):
Only Port 1 can be used as receiving functions.
For Bluetooth function (Radio 4):
For Bluetooth mode (1TX/1RX):
Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

<Non-beamforming>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20	0.923	0.35	5.452m	300
802.11ax HEW40	0.929	0.32	5.453m	300
802.11ax HEW80	0.944	0.25	5.453m	300
802.11ax HEW160	0.941	0.26	5.453m	300

<Beamformig>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF	0.944	0.25	1.764m	1k
802.11ax HEW40-BF	0.958	0.19	1.976m	1k
802.11ax HEW80-BF	0.94	0.27	1.893m	1k
802.11ax HEW160-BF	0.945	0.25	1.94m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter or POE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
Device Type	☒	Indoor Access Point	☐	Subordinate
	☐	Indoor Client	☒	Standard Power Access Point
	☐	Dual Client	☐	Standard Client
	☐	Fixed Client		
Support RU	☒	Full RU	☐	Partial RU
Channel Puncturing Function	☐	Supported	☒	Unsupported
Test Software Version	For Non-beamforming: QSPR 5.0-00199 For Beamforming: DOS V6.1.7601			

Note: The above information was declared by manufacturer.

1.1.5 Table for Radio function

Function / Radio	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 5GHz UNII 4	WLAN 6GHz UNII 5~8	Bluetooth
1 (Iron Radio)	V	V	V	V	V	-	-	-
2 (Pine Radio)	-	-	-	V	V	V	V	-
3 (Scanning Radio)	V	V	V	V	V	-	-	-
4	-	-	-	-	-	-		V

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT Operation Function

Mode	Operation Function
1	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth
2	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth
3	R1: 2.4GHz/5GHz Full Band+R2: 6GHz(LPI Access Point)+R3: 2.4GHz+R4: Bluetooth
4	R1: 2.4GHz/5GHz Full Band+R2: 6GHz(LPI Access Point)+R3: 5GHz+R4: Bluetooth
5	R1: 2.4GHz/5GHz Full Band+R2: 6GHz(Standard Power Access Point)+R3: 2.4GHz+R4: Bluetooth
6	R1: 2.4GHz/5GHz Full Band+R2: 6GHz(Standard Power Access Point)+R3: 5GHz+R4: Bluetooth

Note: The above information was declared by manufacturer.

1.1.7 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR181947-01AC.

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Adding Standard Power Access Point for the device.	1. Emission Bandwidth 2. Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) 3. Peak Power Spectral Density (E.I.R.P.) 4. Unwanted Emissions > 1GHz

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 v02r01
- FCC KDB 662911 D01 v02r01
- 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	Nyle Chang	23.4-24.2 / 61-66	Sep. 08, 2023~ Sep. 11, 2023
Radiated	03CH01-CB	Black Lu	21.2-22.3 / 56-59	Aug. 31, 2023~ Sep. 07, 2023
	03CH03-CB		22-23 / 56-59	
	03CH05-CB		22.7-23.8 / 56-59	

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
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

<Non-beamforming>

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5955MHz	21
6195MHz	23
6415MHz	21
6535MHz	20
6695MHz	23
6855MHz	23
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5965MHz	18
6205MHz	23
6405MHz	21
6565MHz	23
6685MHz	23
6845MHz	21
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5985MHz	18
6225MHz	23
6385MHz	20.5
6625MHz	23
6705MHz	23
6785MHz	23
802.11ax HEW160_Nss1,(MCS0)_1TX	-
6025MHz	17.5
6185MHz	23
6345MHz	19.5
6665MHz	23
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5955MHz	21
6195MHz	23
6415MHz	21
6535MHz	20
6695MHz	23
6855MHz	23
802.11ax HEW40_Nss1,(MCS0)_2TX	-

Mode	Power Setting
5965MHz	18
6205MHz	23
6405MHz	21
6565MHz	23
6685MHz	23
6845MHz	21
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5985MHz	17.5
6225MHz	23
6385MHz	20.5
6625MHz	23
6705MHz	23
6785MHz	23
802.11ax HEW160_Nss1,(MCS0)_2TX	-
6025MHz	17.5
6185MHz	23
6345MHz	19
6665MHz	23
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5955MHz	20.5
6195MHz	23
6415MHz	21
6535MHz	19.5
6695MHz	23
6855MHz	23
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5965MHz	17.5
6205MHz	23
6405MHz	20.5
6565MHz	23
6685MHz	23
6845MHz	20.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5985MHz	16.5
6225MHz	23
6385MHz	20.5
6625MHz	23
6705MHz	23
6785MHz	23

Mode	Power Setting
802.11ax HEW160_Nss1,(MCS0)_4TX	-
6025MHz	17
6185MHz	23
6345MHz	19
6665MHz	23

<Beamforming>

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-
5955MHz	20
6195MHz	20
6415MHz	20
6535MHz	20
6695MHz	20
6855MHz	20
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-
5965MHz	20
6205MHz	20
6405MHz	20
6565MHz	20
6685MHz	20
6845MHz	20
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	-
5985MHz	20
6225MHz	20
6385MHz	20
6625MHz	20
6705MHz	20
6785MHz	20
802.11ax HEW160-BF_Nss1,(MCS3)_2TX	-
6025MHz	20
6185MHz	20
6345MHz	20
6665MHz	20
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	-
5955MHz	23
6195MHz	23
6415MHz	23
6535MHz	23
6695MHz	23

Mode	Power Setting
6855MHz	23
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	-
5965MHz	23
6205MHz	23
6405MHz	23
6565MHz	23
6685MHz	23
6845MHz	23
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	-
5985MHz	23
6225MHz	23
6385MHz	23
6625MHz	23
6705MHz	23
6785MHz	23
802.11ax HEW160-BF_Nss1,(MCS3)_4TX	-
6025MHz	23
6185MHz	23
6345MHz	23
6665MHz	23

Note: Non-Beamforming supports MCS0~11 and Beamforming supports MCS3-11.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Emission MASK
Test Condition	Conducted measurement at transmit chains
1	Non-beamforming mode
2	Beamforming mode

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
	The EUT was performed at X axis, Y axis and Z axis position for Unwanted Emissions above 1GHz test, and the worst case was found at Y axis. Thus, the measurement will follow this same test configuration.
1	EUT in Y axis_Non-beamforming mode
2	EUT in Y axis_Beamforming mode

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	CTX
	The EUT was performed at X axis, Y axis and Z axis position test. The worst cases were found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis_Non-beamforming mode
2	EUT in Y axis_Beamforming mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	R1: 2.4GHz/5GHz Low Band + R2: 5GHz High band + R4: Bluetooth
2	R1: 2.4GHz/5GHz Full Band + R2: 6GHz (LPI Access Point) + R4: Bluetooth
3	R1: 2.4GHz/5GHz Full Band + R2: 6GHz (Standard Power Access Point) + R4: Bluetooth
Refer to Sporton Test Report No.: FA181947-17 for Co-location RF Exposure Evaluation.	

Note: The Adapter and PoEs are for measurement only, would not be marketed.

Adapter and PoEs information as below:

Power	Brand	Model
Adapter	Cisco	MA-PWR-50WAC
PoE 1	Cisco	MA-INJ-4
PoE 2	PHIHONG	POE60U-1BT-X

2.3 EUT Operation during Test

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

During the test, the following programs under WIN XP were executed.
The program was executed as follows:
1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Wireless AP and transmit duty cycle no less than 98%.

2.4 Accessories

Accessories
Wall-mounted rack*1

2.5 Support Equipment

For Radiated (above 1GHz) and RF Radiated (Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) and Peak Power Spectral Density (E.I.R.P.):
<Non-beamforming mode>

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Adapter	Cisco	MA-PWR-50WAC	N/A

<Beamforming mode>

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	WLAN AP	WNC	RXAQ-MR1	N/A
C	Notebook	DELL	E4300	N/A
D	Adapter	Cisco	MA-PWR-50WAC	N/A

For RF Conducted:
<Non-Beamforming Mode>

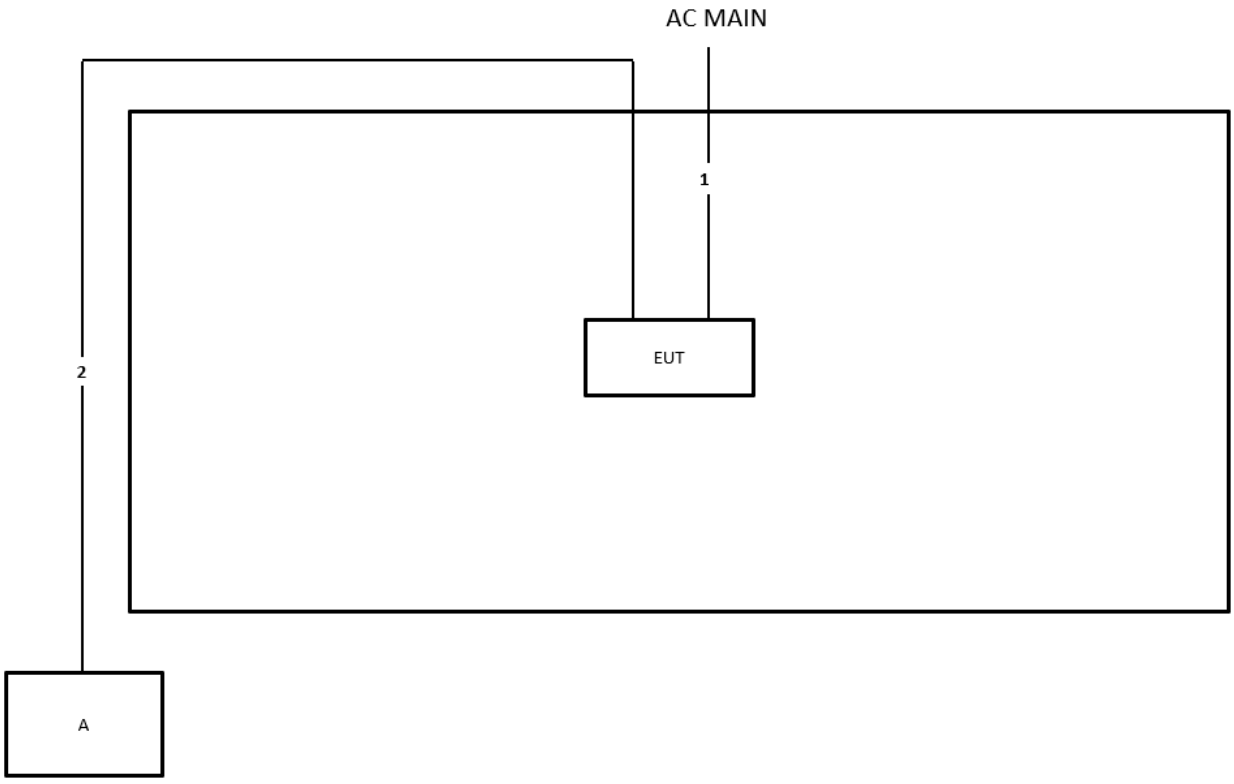
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Adapter	Cisco	MA-PWR-50WAC	N/A

<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	WLAN AP	WNC	RXAQ-MR1	N/A
D	Adapter	Cisco	MA-PWR-50WAC	N/A

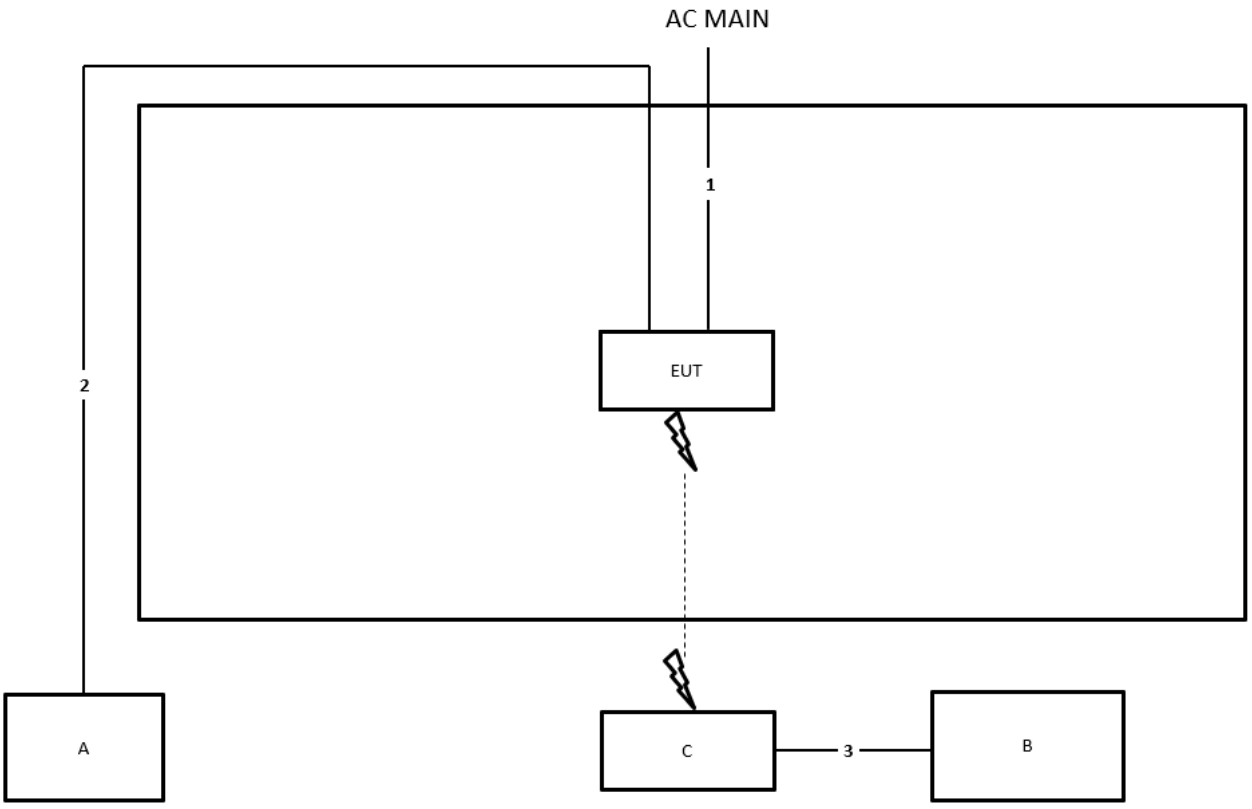
2.6 Test Setup Diagram

Test Setup Diagram - Radiated Test > 1GHz
<Non-beamforming mode>



Item	Connection	Shielded	Length
1	Power cable	No	3.4m
2	RJ-45 cable	No	10m

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



Item	Connection	Shielded	Length
1	Power cable	No	3.4m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m

3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 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

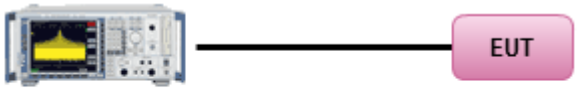
3.1.2 Measuring Instruments

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

3.1.3 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.

3.1.4 Test Setup

Emission Bandwidth
 Spectrum Analyzer

3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

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

3.2.1 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 low-power indoor access-points & indoor subordinate devices < 30 dBm .
	▪ For low-power client devices < 24 dBm.
☐	For the 5.925 ~ 6.875 GHz band:
	▪ For standard-power access points & fixed client devices < 36 dBm.
	▪ For standard client devices < 30 dBm.

3.2.2 Measuring Instruments

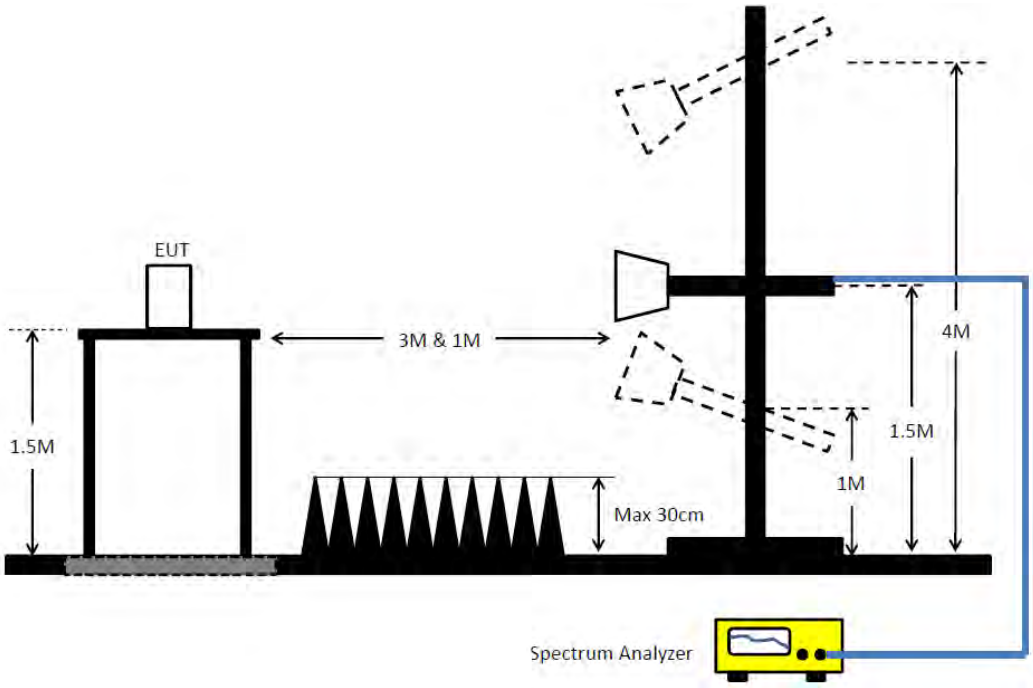
Refer a test equipment and calibration data table in this test report.

3.2.3 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.

3.2.4 Test Setup

Radiated Measurement



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

Refer as Appendix B

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

3.3.1 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 low-power indoor access-points & indoor subordinate devices < 5 dBm / MHz.
	▪ For low-power client devices < -1 dBm / MHz.
☐	For the 5.925 ~ 6.875 GHz band:
	▪ For standard-power access points & fixed client devices < 23 dBm / MHz.
	▪ For standard client devices < 17 dBm / MHz.

3.3.2 Measuring Instruments

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

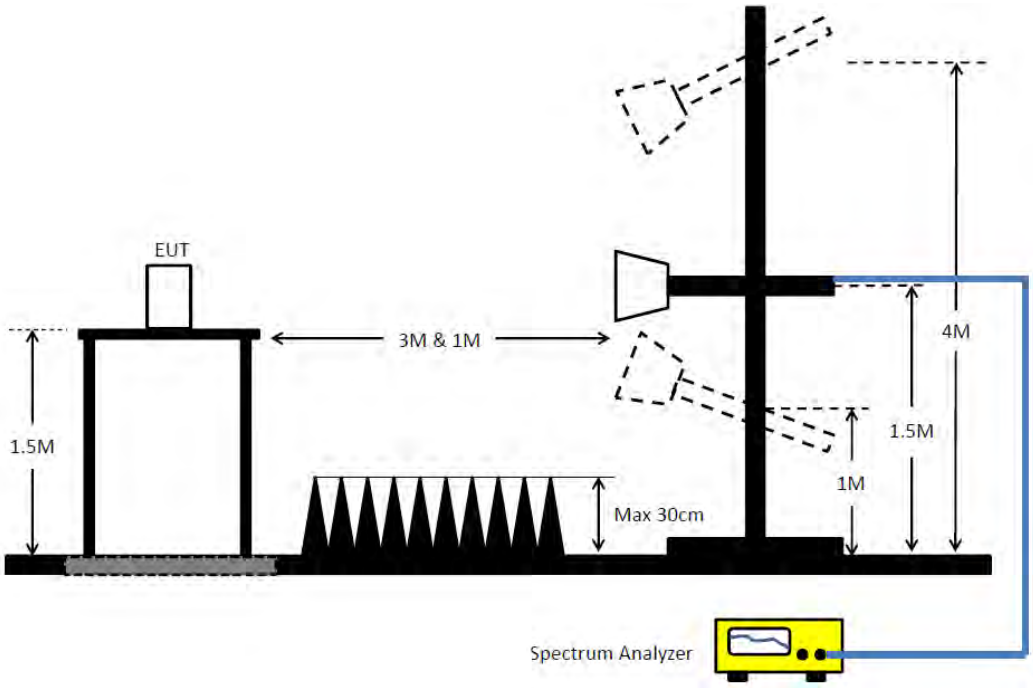
3.3.3 Test Procedures

Test Method	
▪ According to FCC KDB 987594 D02 clause II.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.

3.3.4 Test Setup

Radiated Measurement



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

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Unwanted Emissions Limit

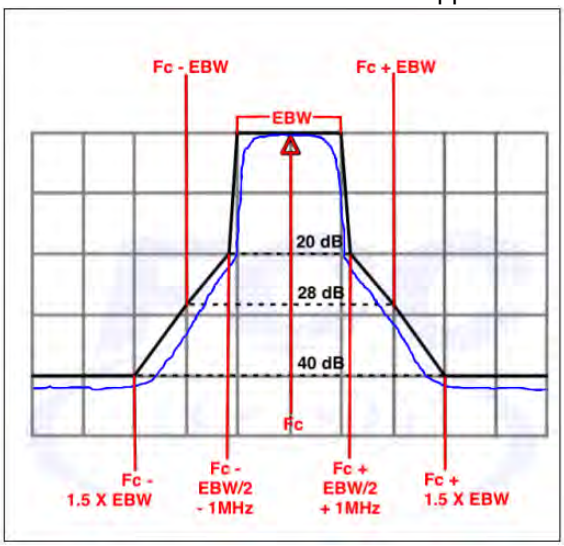
Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216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

3.4.2 Measuring Instruments

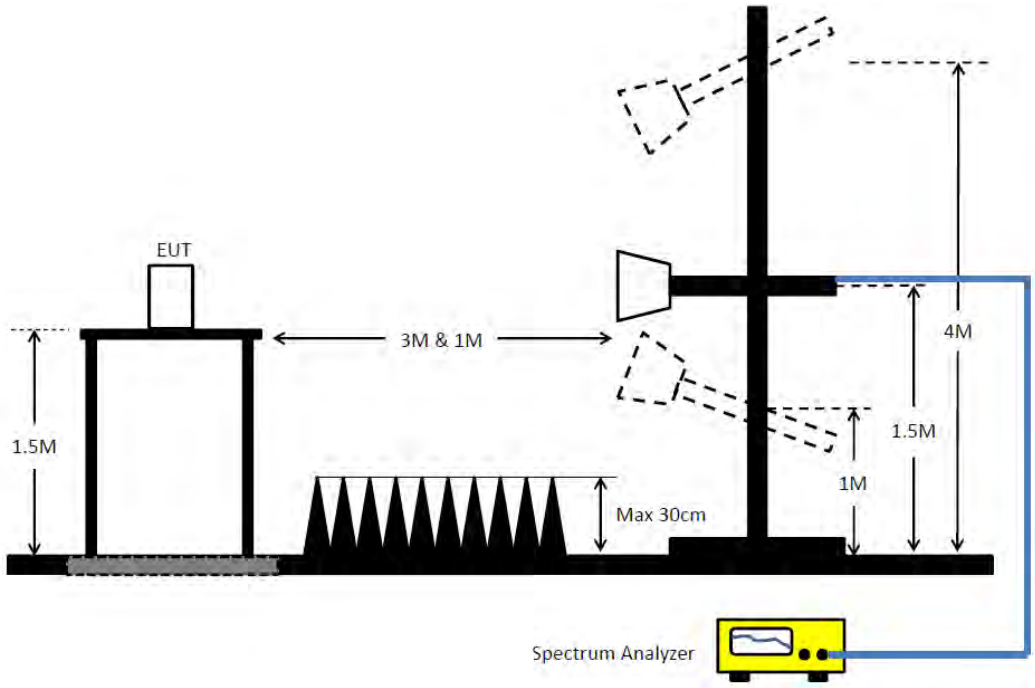
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

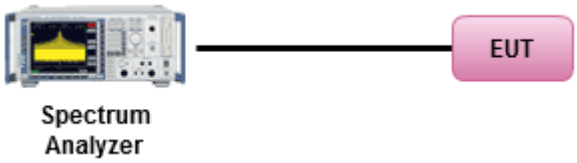
Test Method
▪ According to FCC KDB 987594 D02 II.G. the unwanted emission measurement procedure shall refer to KDB 789300(except emission MASK). Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured 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.

3.4.4 Test Setup

Above 1GHz



Emission MASK



3.4.5 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

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 2024	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 18, 2023	May 17, 2024	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 29, 2022	Nov. 29, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 04, 2023	May 03, 2024	Radiation (03CH03-CB)
Horn Antenna	ETS·Lindgren	3115	6821	750MHz~18GHz	Feb. 03, 2023	Feb. 02, 2024	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 12, 2023	Jun. 11, 2024	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. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	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	03CH05-CB	1GHz ~18GHz 3m	Nov. 06, 2022	Nov. 05, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 08, 2023	Jun. 07, 2024	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	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	Apr. 18, 2023	Apr. 17, 2024	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. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 30, 2022	Dec. 29, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~40GHz	Aug. 01, 2023	Jul. 31, 2024	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1728002	300MHz~40GHz	Aug. 01, 2023	Jul. 31, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz –18 GHz	Feb. 14, 2023	Feb. 13, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz –18 GHz	Feb. 14, 2023	Feb. 13, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz –18 GHz	Feb. 14, 2023	Feb. 13, 2024	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. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
Band Rejector	MTJ	6G Band Rejector	CB6G-BRJ-01	1GHz ~ 7.4GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Band Rejector	MTJ	6G Band Rejector	CB6G-BRJ-02	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)

Note: Calibration Interval of instruments listed above is one year.
N.C.R means Non-Calibration required.

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)_1TX	53.13M	38.142M	38M1D1D	38.995M	19.683M
802.11ax HEW20_Nss1,(MCS0)_2TX	53.13M	37.868M	37M9D1D	30.58M	19.21M
802.11ax HEW20_Nss1,(MCS0)_4TX	57.475M	38.286M	38M3D1D	27.775M	19.096M
802.11ax HEW40_Nss1,(MCS0)_1TX	96.91M	70.37M	70M4D1D	40.04M	37.667M
802.11ax HEW40_Nss1,(MCS0)_2TX	102.41M	65.284M	65M3D1D	39.27M	37.57M
802.11ax HEW40_Nss1,(MCS0)_4TX	110.66M	73.413M	73M4D1D	40.26M	37.697M
802.11ax HEW80_Nss1,(MCS0)_1TX	203.72M	135.369M	135MD1D	80.96M	77.232M
802.11ax HEW80_Nss1,(MCS0)_2TX	199.54M	131.833M	132MD1D	80.08M	76.897M
802.11ax HEW80_Nss1,(MCS0)_4TX	211.64M	137.674M	138MD1D	80.96M	76.99M
802.11ax HEW160_Nss1,(MCS0)_1TX	399.96M	269.317M	269MD1D	179.52M	155.304M
802.11ax HEW160_Nss1,(MCS0)_2TX	381.48M	262.614M	263MD1D	162.36M	154.972M
802.11ax HEW160_Nss1,(MCS0)_4TX	442.64M	283.67M	284MD1D	163.24M	154.685M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	59.84M	38.781M	38M8D1D	38.995M	19.53M
802.11ax HEW20_Nss1,(MCS0)_2TX	56.21M	38.335M	38M3D1D	26.4M	19.224M
802.11ax HEW20_Nss1,(MCS0)_4TX	59.4M	38.697M	38M7D1D	25.795M	19.178M
802.11ax HEW40_Nss1,(MCS0)_1TX	107.58M	69.546M	69M5D1D	90.86M	55.847M
802.11ax HEW40_Nss1,(MCS0)_2TX	100.76M	68.333M	68M3D1D	77.88M	37.992M
802.11ax HEW40_Nss1,(MCS0)_4TX	106.59M	70.687M	70M7D1D	55.55M	37.948M
802.11ax HEW80_Nss1,(MCS0)_1TX	223.96M	139.949M	140MD1D	195.14M	137.217M
802.11ax HEW80_Nss1,(MCS0)_2TX	215.16M	139.435M	139MD1D	186.12M	116.488M
802.11ax HEW80_Nss1,(MCS0)_4TX	218.02M	139.585M	140MD1D	190.96M	120.923M
802.11ax HEW160_Nss1,(MCS0)_1TX	392.92M	276.65M	277MD1D	392.92M	276.65M
802.11ax HEW160_Nss1,(MCS0)_2TX	383.68M	276.371M	276MD1D	371.36M	248.403M
802.11ax HEW160_Nss1,(MCS0)_4TX	424.16M	275.553M	276MD1D	401.28M	250.706M

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)_1TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	45.21M	24.614M						
6195MHz	Pass	Inf	53.13M	38.142M						
6415MHz	Pass	Inf	38.995M	19.683M						
6535MHz	Pass	Inf	38.995M	19.53M						
6695MHz	Pass	Inf	59.84M	38.217M						
6855MHz	Pass	Inf	53.625M	38.781M						
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	40.04M	37.667M						
6205MHz	Pass	Inf	96.91M	70.37M						
6405MHz	Pass	Inf	70.73M	38.424M						
6565MHz	Pass	Inf	107.58M	69.546M						
6685MHz	Pass	Inf	96.58M	69.287M						
6845MHz	Pass	Inf	90.86M	55.847M						
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	80.96M	77.232M						
6225MHz	Pass	Inf	203.72M	135.369M						
6385MHz	Pass	Inf	154M	78.308M						
6625MHz	Pass	Inf	195.14M	137.554M						
6705MHz	Pass	Inf	223.96M	137.217M						
6785MHz	Pass	Inf	207.02M	139.949M						
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	179.52M	155.304M						
6185MHz	Pass	Inf	399.96M	269.317M						
6345MHz	Pass	Inf	301.4M	158.391M						
6665MHz	Pass	Inf	392.92M	276.65M						
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	44.935M	24.342M	44.165M	20.677M				
6195MHz	Pass	Inf	52.305M	37.868M	53.13M	31.974M				
6415MHz	Pass	Inf	31.57M	19.407M	30.58M	19.21M				
6535MHz	Pass	Inf	35.86M	19.555M	26.4M	19.224M				
6695MHz	Pass	Inf	56.21M	37.66M	42.35M	27.092M				
6855MHz	Pass	Inf	54.23M	38.335M	47.3M	30.858M				
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	39.27M	37.96M	39.71M	37.57M				
6205MHz	Pass	Inf	102.41M	65.284M	95.48M	63.033M				
6405MHz	Pass	Inf	70.95M	39.15M	57.31M	37.99M				
6565MHz	Pass	Inf	99.66M	68.333M	93.39M	65.632M				
6685MHz	Pass	Inf	100.76M	67.366M	98.12M	62.543M				
6845MHz	Pass	Inf	87.56M	56.294M	77.88M	37.992M				
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	80.08M	76.964M	80.08M	76.897M				
6225MHz	Pass	Inf	199.54M	129.659M	199.1M	131.833M				
6385MHz	Pass	Inf	141.02M	78.81M	89.54M	77.313M				
6625MHz	Pass	Inf	200.64M	138.122M	186.56M	128.955M				
6705MHz	Pass	Inf	195.14M	139.435M	188.1M	116.488M				
6785MHz	Pass	Inf	215.16M	128.676M	186.12M	121.742M				
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	166.32M	154.988M	162.36M	154.972M				
6185MHz	Pass	Inf	359.92M	262.491M	381.48M	262.614M				
6345MHz	Pass	Inf	271.04M	157.175M	164.56M	155.418M				
6665MHz	Pass	Inf	383.68M	276.371M	371.36M	248.403M				
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	43.175M	23.464M	44.385M	20.082M	42.405M	20.006M	46.2M	22.733M
6195MHz	Pass	Inf	54.395M	37.357M	52.525M	34.766M	50.985M	33.796M	57.475M	38.286M

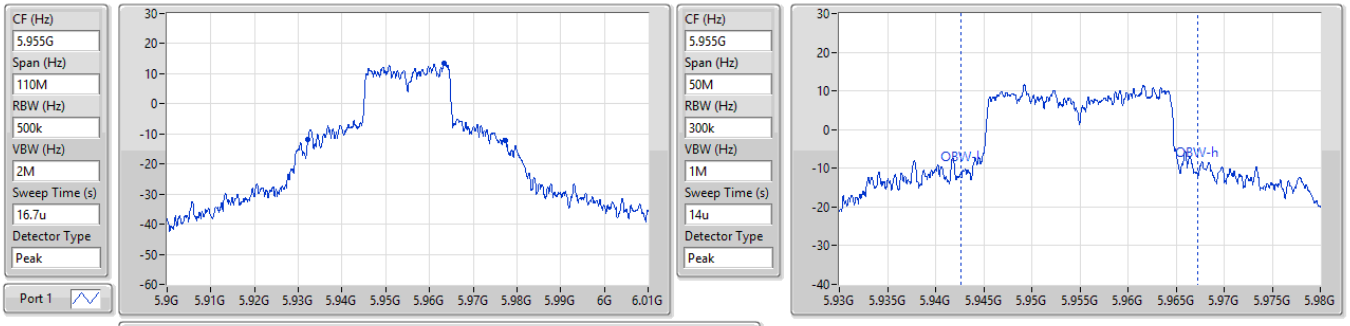
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
6415MHz	Pass	Inf	39.325M	19.688M	30.635M	19.238M	27.775M	19.096M	38.005M	19.481M
6535MHz	Pass	Inf	34.925M	19.447M	28.16M	19.277M	25.795M	19.178M	32.065M	19.309M
6695MHz	Pass	Inf	56.375M	38.697M	53.845M	31.961M	55.66M	37.412M	54.78M	33.833M
6855MHz	Pass	Inf	56.1M	37.915M	54.615M	34.766M	59.4M	38.268M	53.46M	34.896M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	42.79M	37.768M	40.26M	37.697M	40.48M	37.743M	40.59M	37.75M
6205MHz	Pass	Inf	104.39M	69.51M	103.07M	66.243M	110.66M	73.413M	106.37M	69.863M
6405MHz	Pass	Inf	76.01M	38.472M	46.31M	37.925M	51.37M	37.892M	72.27M	38.207M
6565MHz	Pass	Inf	104.94M	70.344M	104.06M	68.387M	106.59M	70.687M	106.15M	67.883M
6685MHz	Pass	Inf	105.6M	70.458M	97.02M	65.378M	105.05M	67.853M	103.73M	64.887M
6845MHz	Pass	Inf	73.81M	52.259M	63.36M	37.948M	55.55M	38.101M	61.49M	38.377M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	82.94M	77.149M	81.4M	77.253M	81.84M	77.12M	80.96M	76.99M
6225MHz	Pass	Inf	211.64M	135.375M	195.8M	126.516M	199.54M	135.918M	208.12M	137.674M
6385MHz	Pass	Inf	152.68M	78.576M	80.96M	77.762M	91.96M	77.853M	138.6M	78.123M
6625MHz	Pass	Inf	211.64M	136.618M	205.26M	130.158M	202.84M	124.623M	202.84M	124.352M
6705MHz	Pass	Inf	218.02M	139.585M	210.98M	127.587M	207.68M	135.254M	211.2M	129.342M
6785MHz	Pass	Inf	197.56M	132.137M	190.96M	125.069M	201.52M	126.487M	197.12M	120.923M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	164.56M	154.946M	163.24M	154.868M	164.56M	154.685M	163.68M	154.765M
6185MHz	Pass	Inf	420.64M	268.515M	418M	261.222M	442.64M	283.67M	430.32M	273.143M
6345MHz	Pass	Inf	272.36M	157.399M	163.68M	155.411M	163.24M	155.24M	244.2M	156.428M
6665MHz	Pass	Inf	424.16M	275.553M	403.48M	250.706M	413.16M	251.498M	401.28M	250.743M

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)_1TX **EBW**

5955MHz

08/09/2023

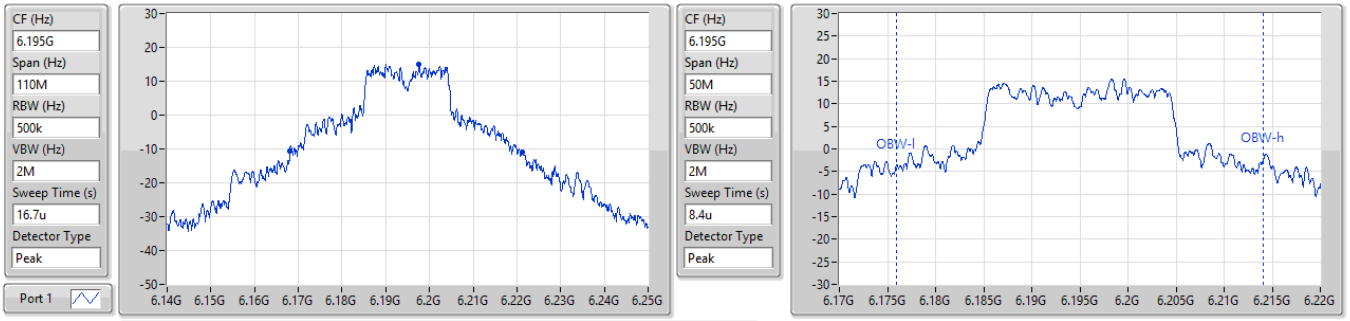


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.21M	5.932175G	5.977385G	24.614M	5.94264G	5.967255G	Inf	1

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **EBW**

6195MHz

08/09/2023

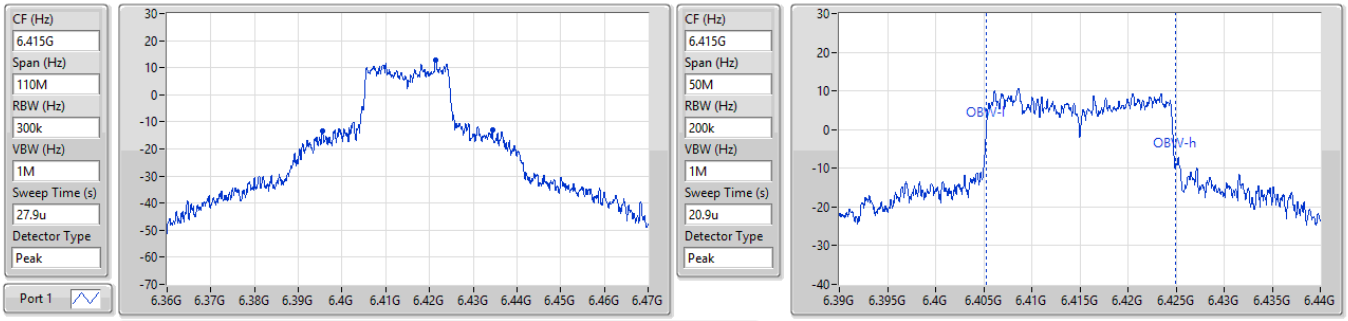


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
53.13M	6.16805G	6.22118G	38.142M	6.175958G	6.2141G	Inf	1

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **EBW**

6415MHz

08/09/2023

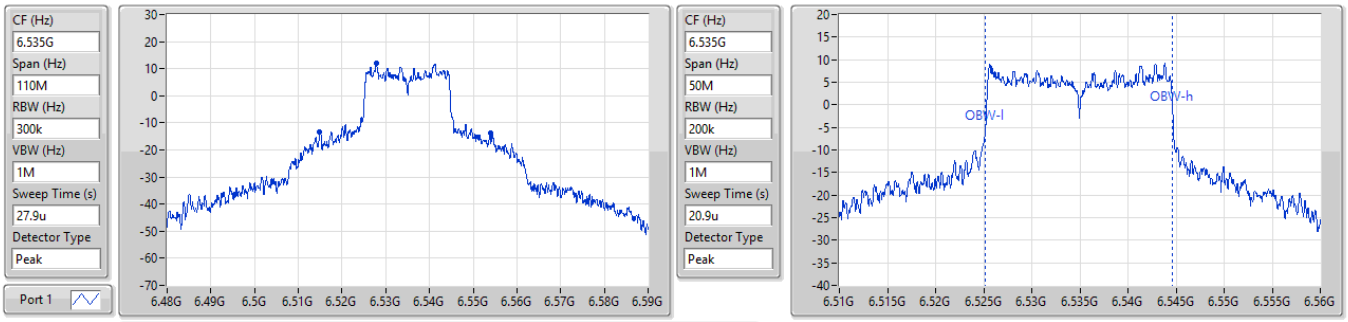


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.995M	6.395475G	6.43447G	19.683M	6.405263G	6.424946G	Inf	1

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **EBW**

6535MHz

08/09/2023

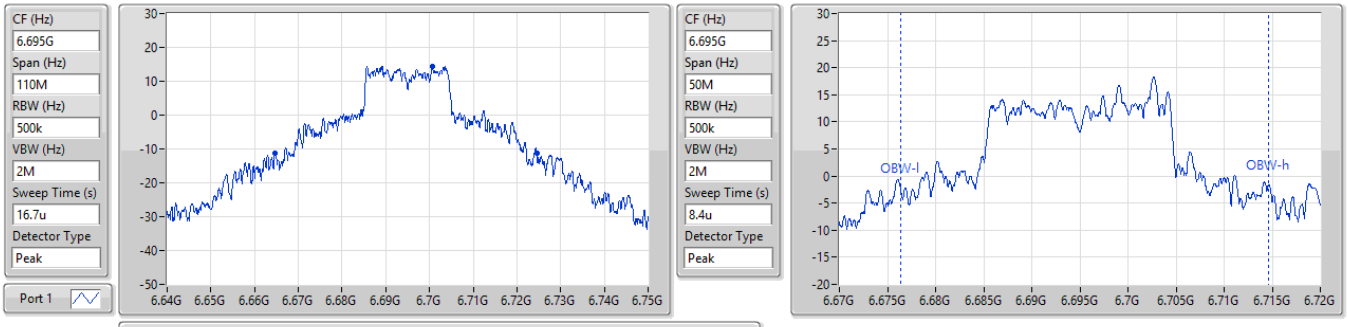


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.995M	6.51487G	6.553865G	19.53M	6.525138G	6.544667G	Inf	1

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **EBW**

6695MHz

08/09/2023

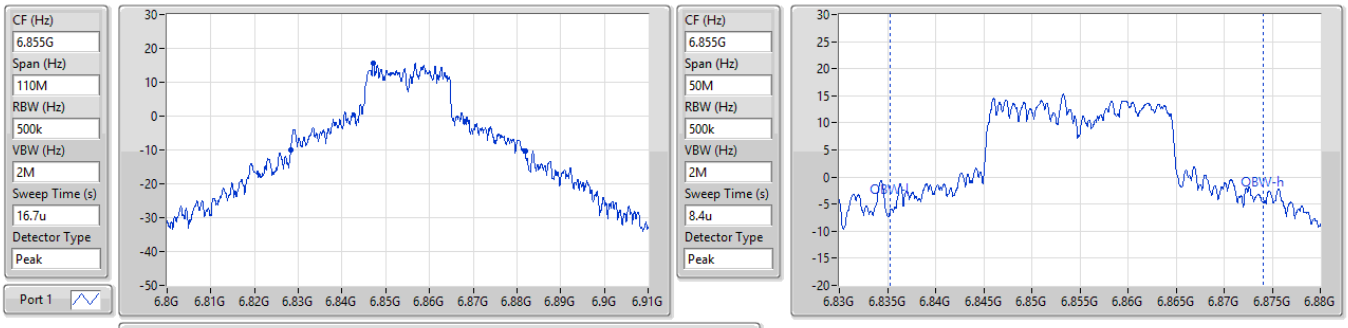


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
59.84M	6.664695G	6.724535G	38.217M	6.676351G	6.714568G	Inf	1

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **EBW**

6855MHz

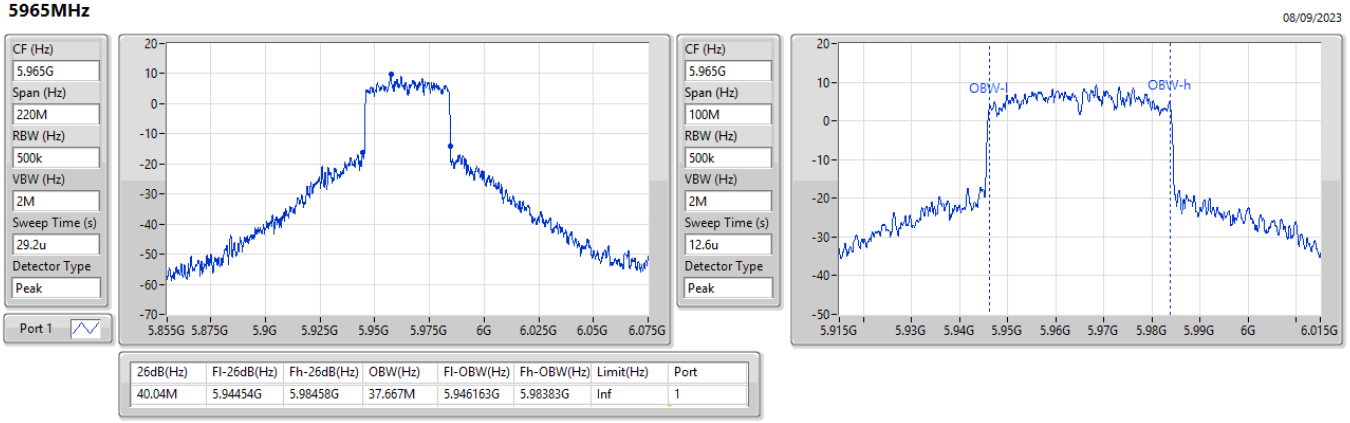
08/09/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
53.625M	6.82827G	6.881895G	38.781M	6.835305G	6.874086G	Inf	1

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_1TX **EBW**

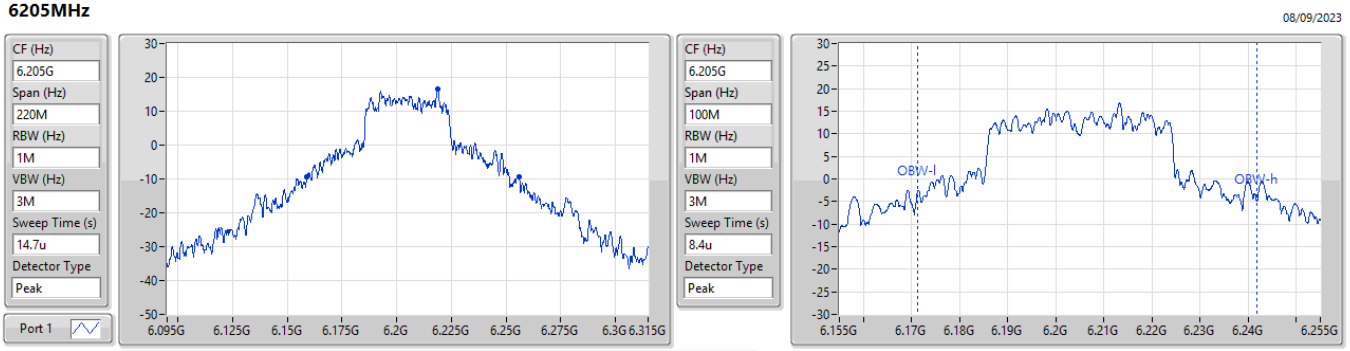
5965MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.04M	5.94454G	5.98458G	37.667M	5.946163G	5.98383G	Inf	1

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_1TX **EBW**

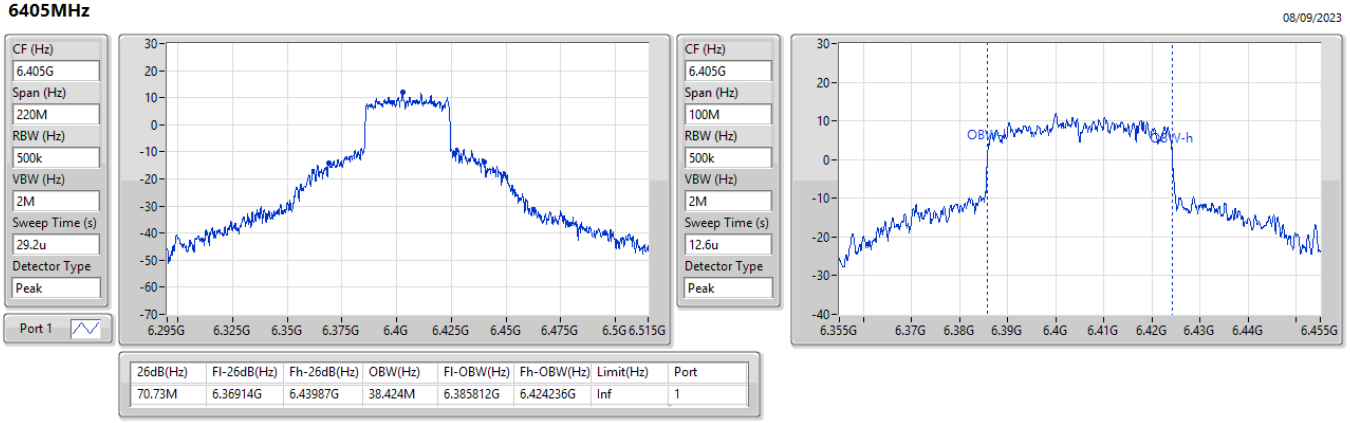
6205MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
96.91M	6.15891G	6.25582G	70.37M	6.171337G	6.241707G	Inf	1

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_1TX **EBW**

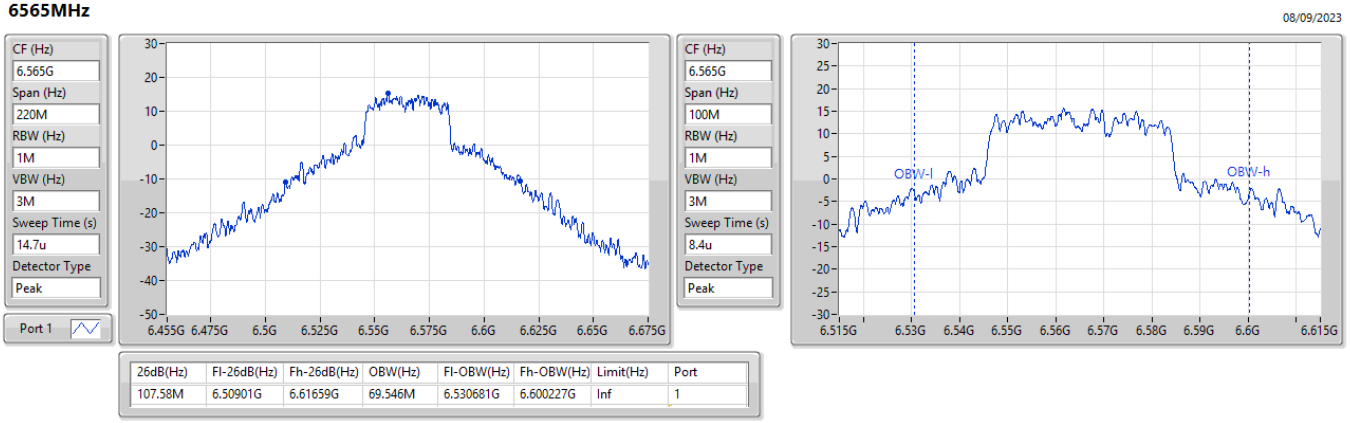
6405MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
70.73M	6.36914G	6.43987G	38.424M	6.385812G	6.424236G	Inf	1

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX **EBW**

6565MHz

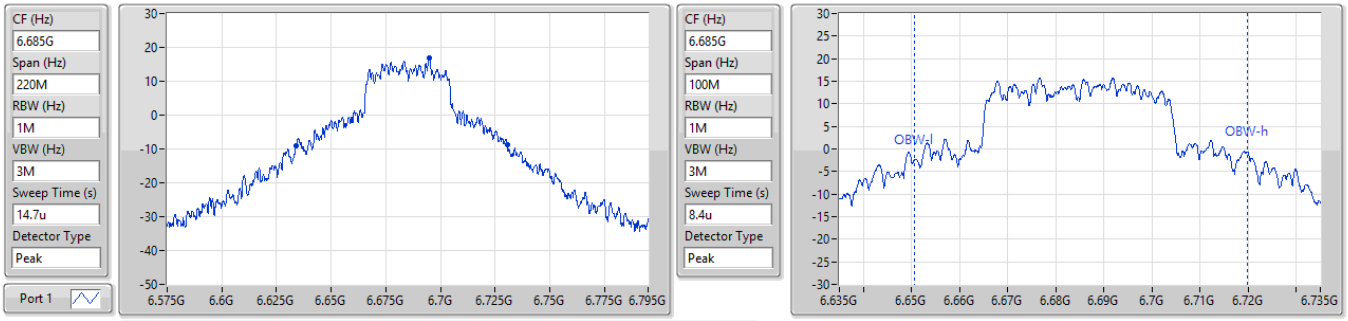


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
107.58M	6.50901G	6.61659G	69.546M	6.530681G	6.600227G	Inf	1

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX **EBW**

6685MHz

08/09/2023

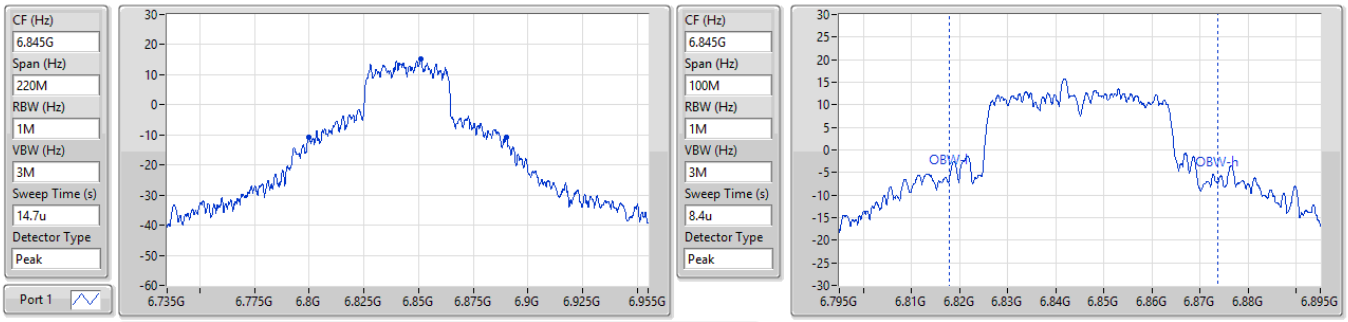


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
96.58M	6.63396G	6.73054G	69.287M	6.650543G	6.71983G	Inf	1

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX **EBW**

6845MHz

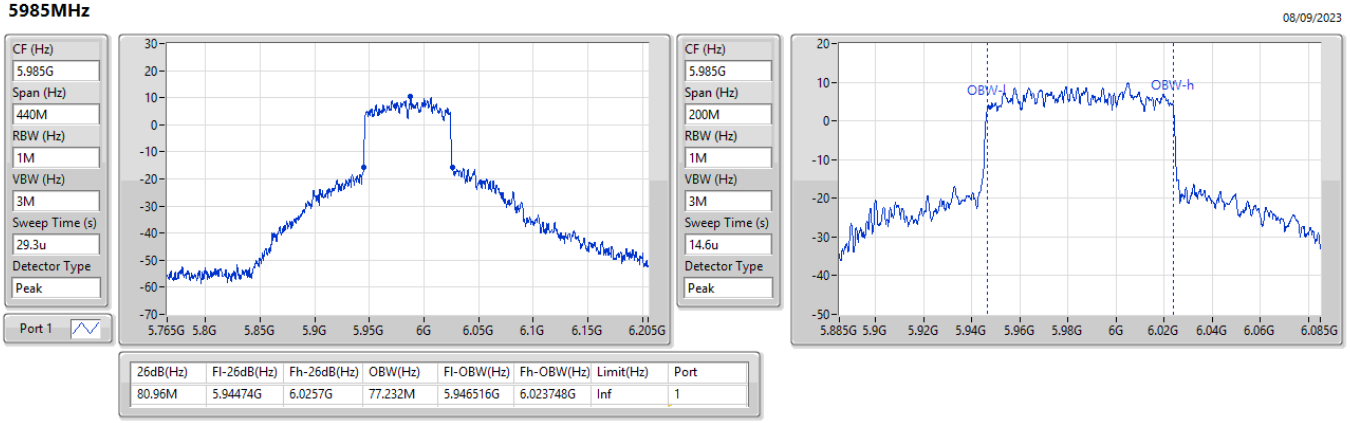
08/09/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
90.86M	6.79957G	6.89043G	55.847M	6.817837G	6.873684G	Inf	1

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX **EBW**

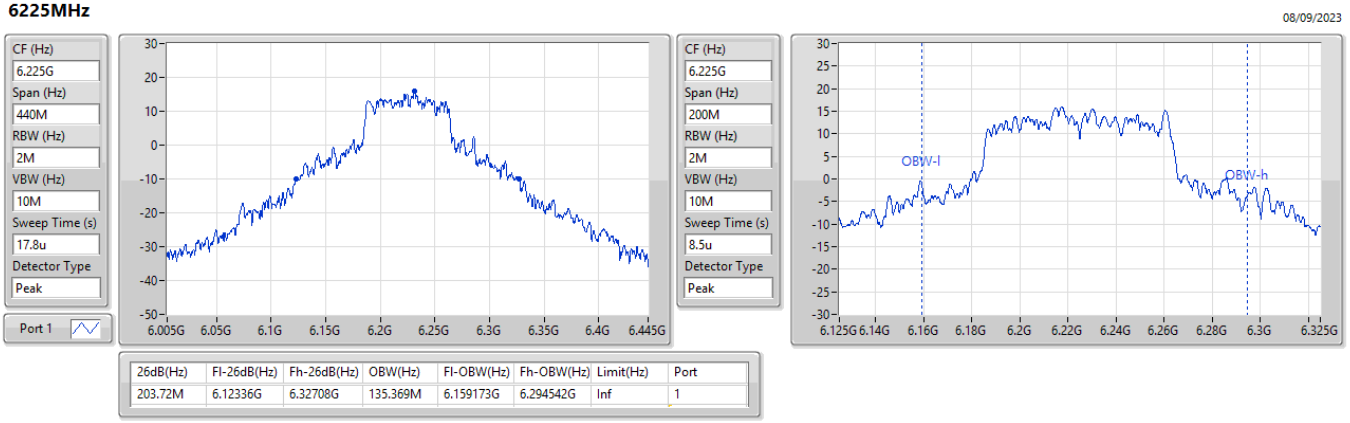
5985MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.96M	5.94474G	6.0257G	77.232M	5.946516G	6.023748G	Inf	1

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX **EBW**

6225MHz

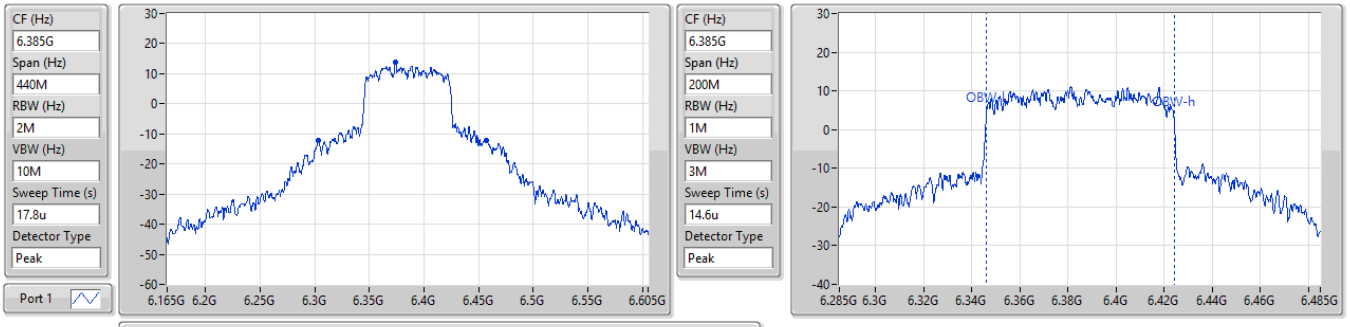


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
203.72M	6.12336G	6.32708G	135.369M	6.159173G	6.294542G	Inf	1

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX **EBW**

6385MHz

08/09/2023

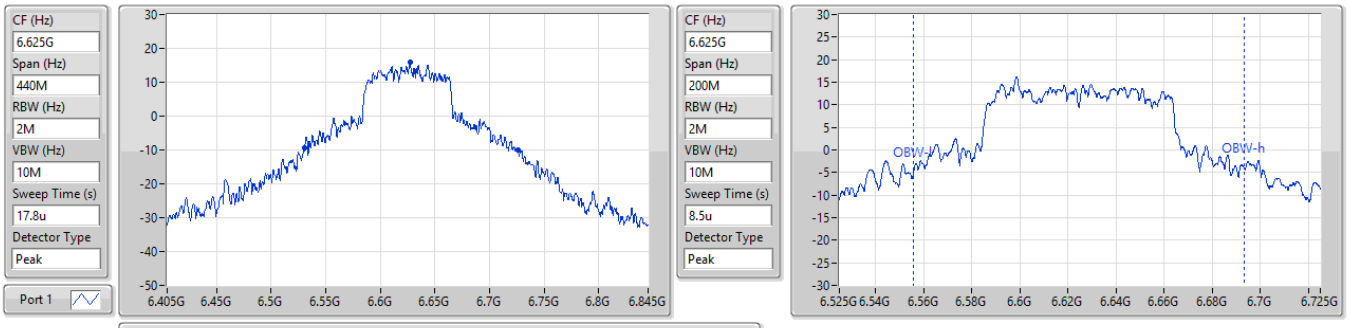


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
154M	6.30294G	6.45694G	78.308M	6.34602G	6.424328G	Inf	1

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX **EBW**

6625MHz

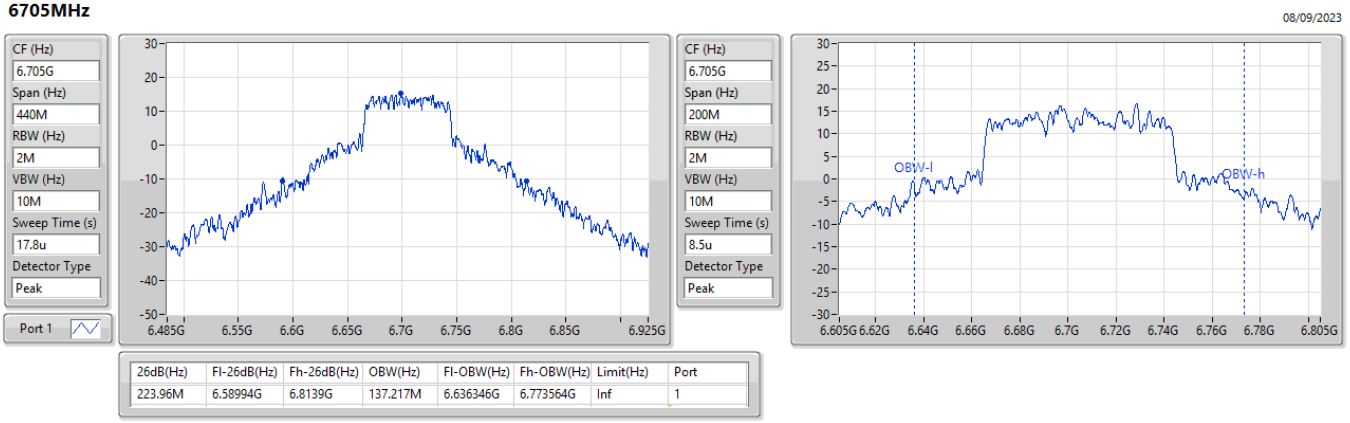
08/09/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
195.14M	6.53062G	6.72576G	137.554M	6.555798G	6.693352G	Inf	1

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX **EBW**

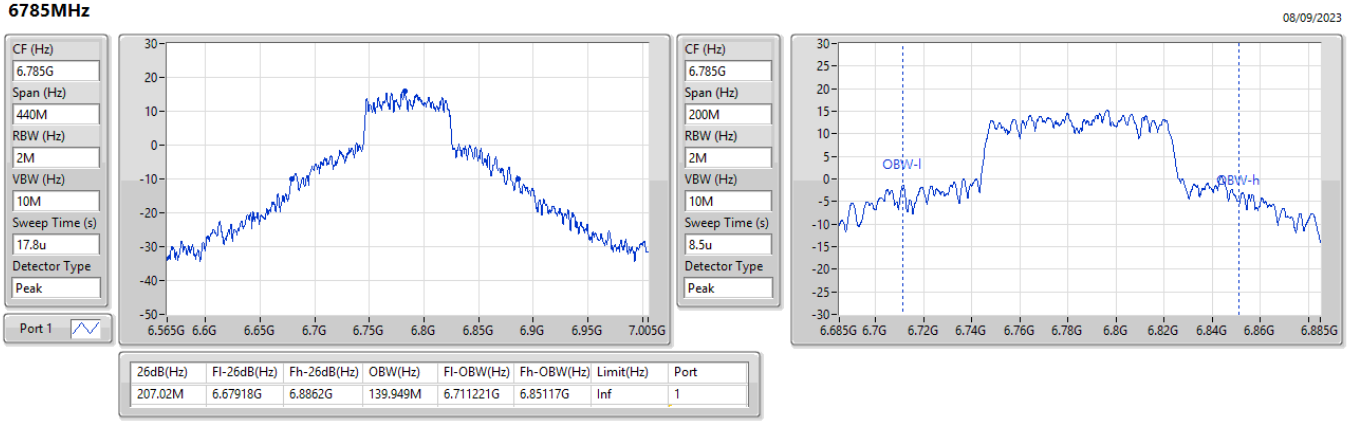
6705MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
223.96M	6.58994G	6.8139G	137.217M	6.636346G	6.773564G	Inf	1

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX **EBW**

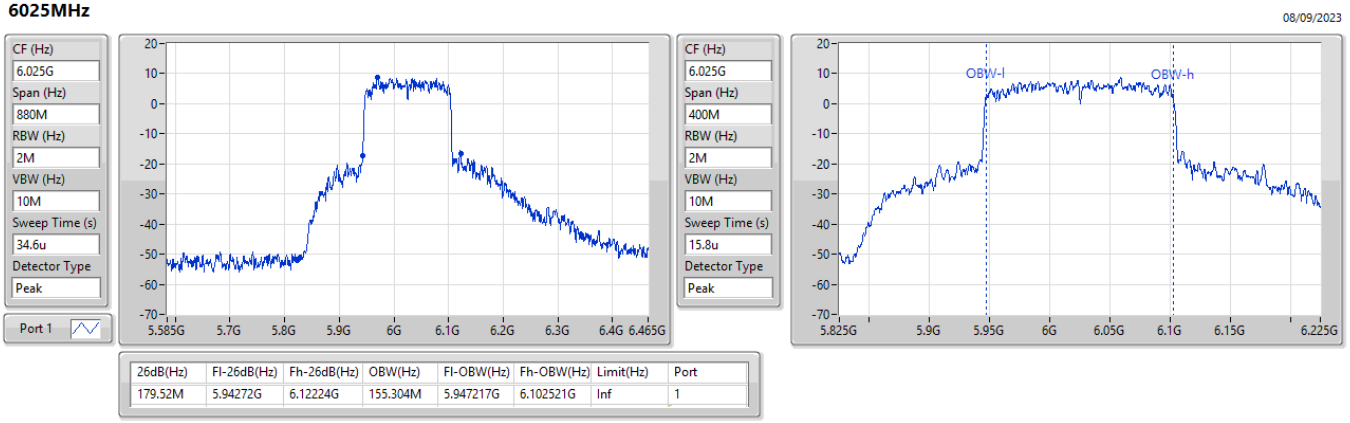
6785MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
207.02M	6.67918G	6.8862G	139.949M	6.711221G	6.85117G	Inf	1

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX **EBW**

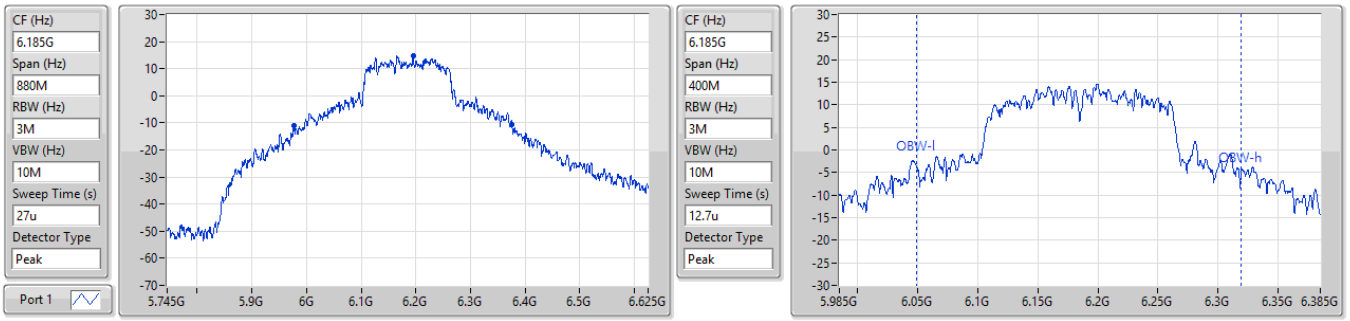
6025MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
179.52M	5.94272G	6.12224G	155.304M	5.947217G	6.102521G	Inf	1

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX **EBW**

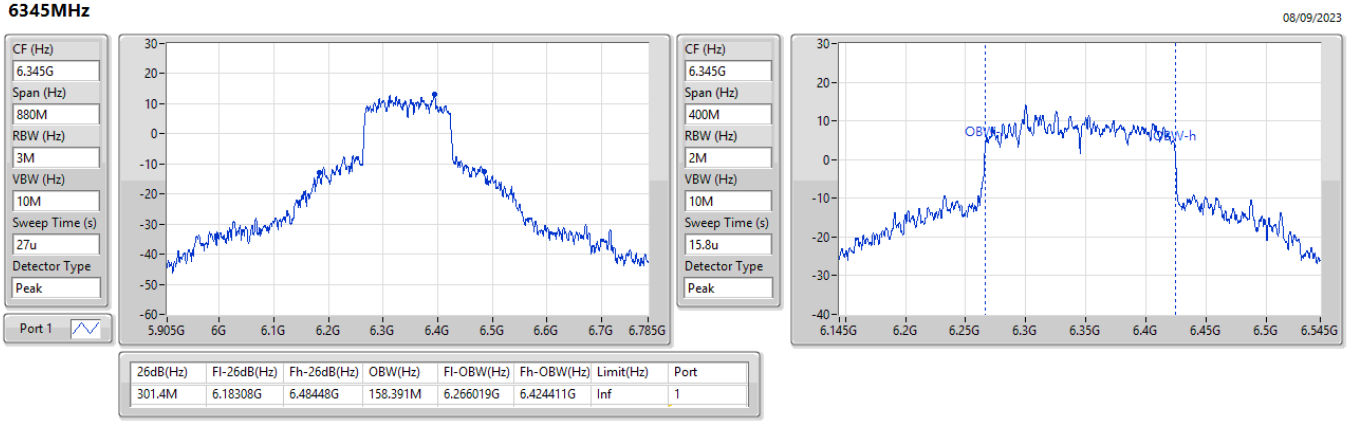
6185MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
399.96M	5.97644G	6.3764G	269.317M	6.049503G	6.31882G	Inf	1

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX **EBW**

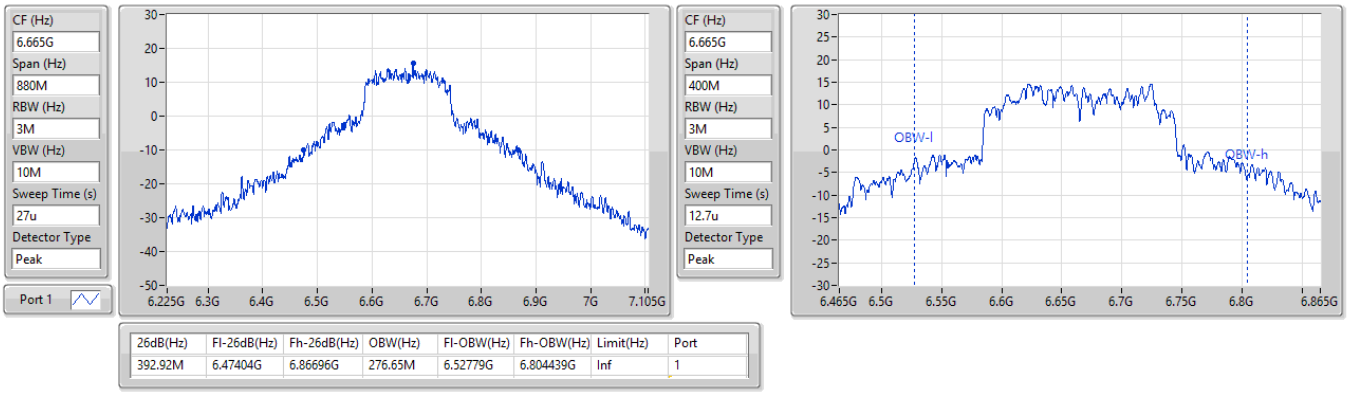
6345MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
301.4M	6.18308G	6.48448G	158.391M	6.266019G	6.424411G	Inf	1

6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_1TX **EBW**

6665MHz

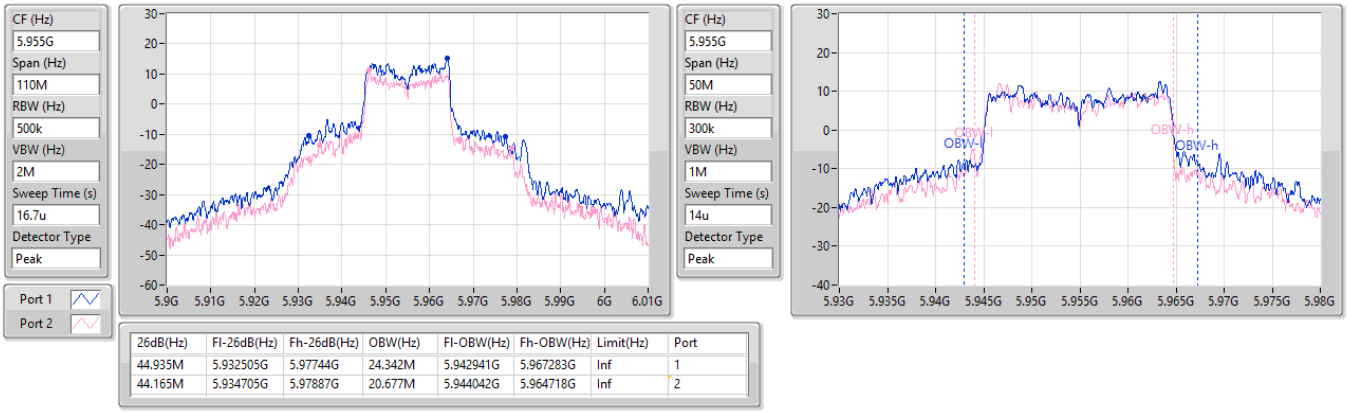


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
392.92M	6.47404G	6.86696G	276.65M	6.52779G	6.804439G	Inf	1

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5955MHz

08/09/2023

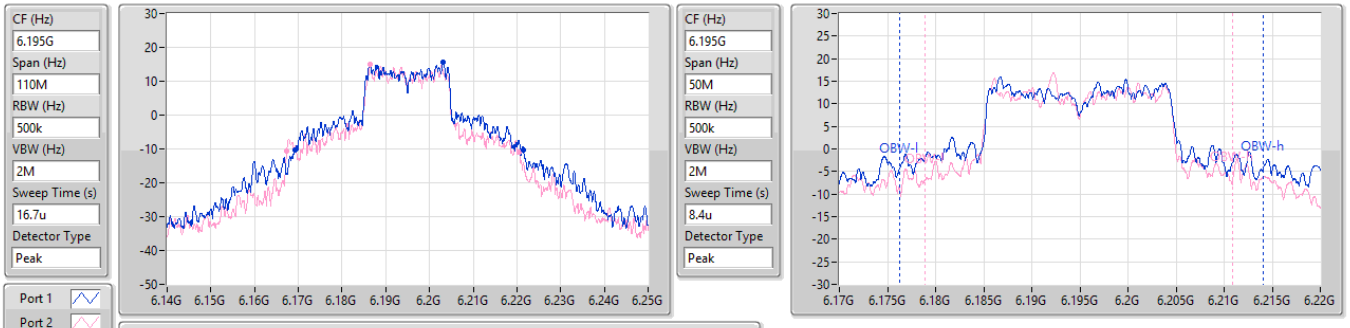


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.935M	5.932505G	5.97744G	24.342M	5.942941G	5.967283G	Inf	1
44.165M	5.934705G	5.97887G	20.677M	5.944042G	5.964718G	Inf	2

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

6195MHz

08/09/2023

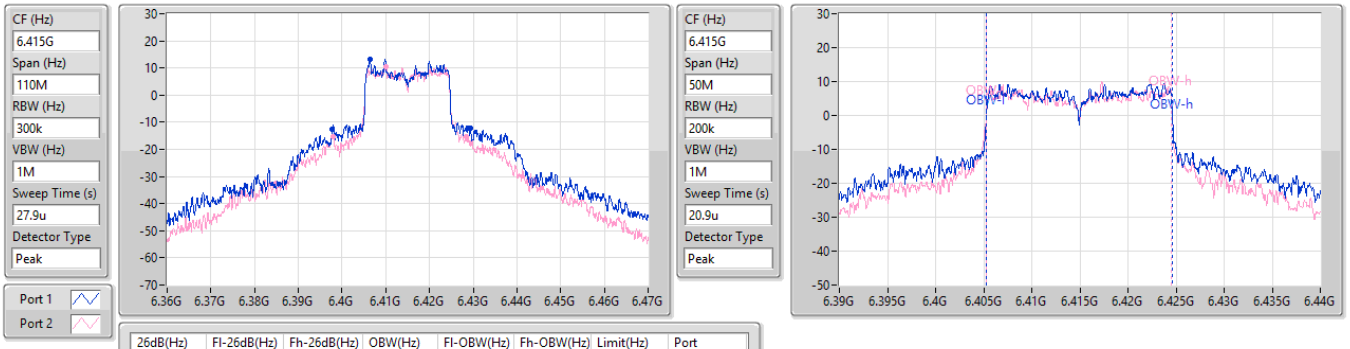


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
52.305M	6.169205G	6.22151G	37.868M	6.176234G	6.214103G	Inf	1
53.13M	6.167335G	6.220465G	31.974M	6.17895G	6.210924G	Inf	2

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

6415MHz

08/09/2023

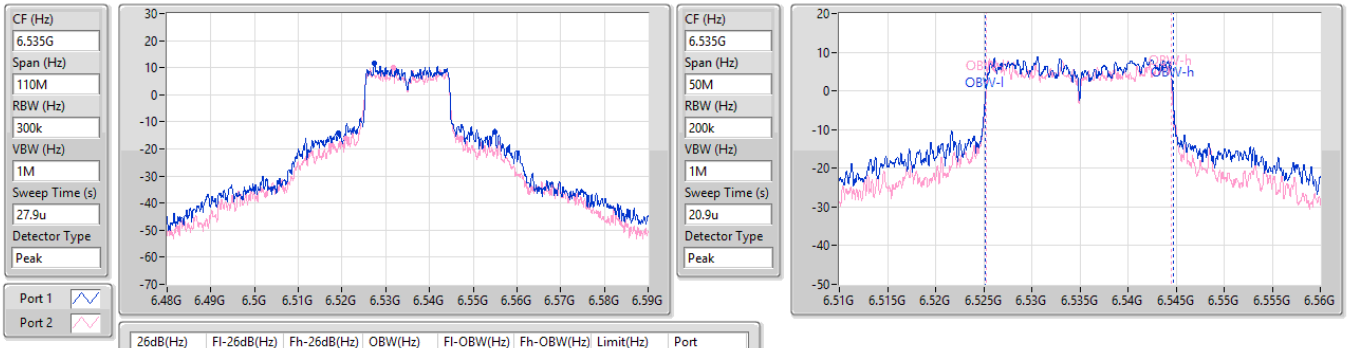


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.57M	6.397785G	6.429355G	19.407M	6.40526G	6.424667G	Inf	1
30.58M	6.39784G	6.42842G	19.21M	6.40532G	6.424529G	Inf	2

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

6535MHz

08/09/2023

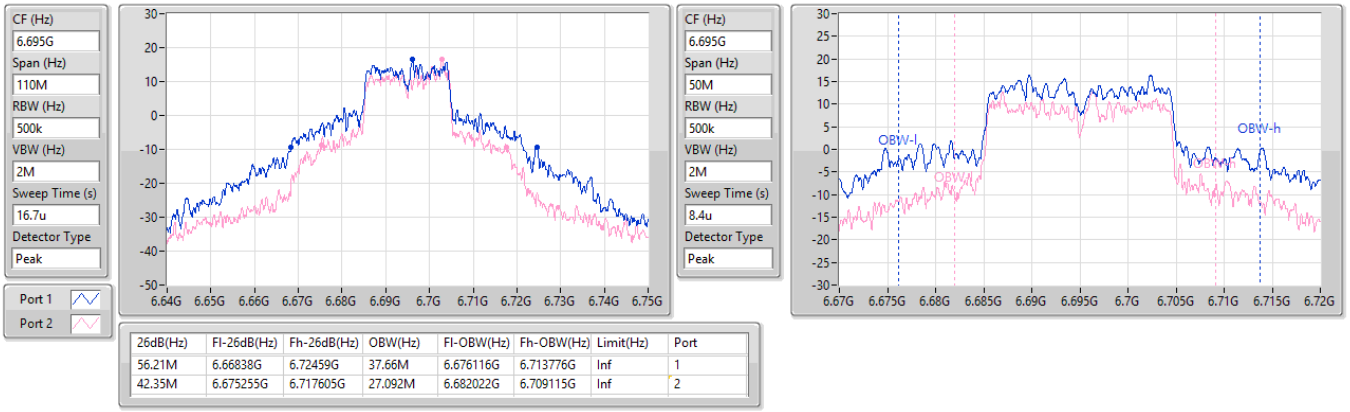


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.86M	6.51916G	6.55502G	19.555M	6.525122G	6.544678G	Inf	1
26.4M	6.520865G	6.547265G	19.224M	6.5253G	6.544524G	Inf	2

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

6695MHz

08/09/2023

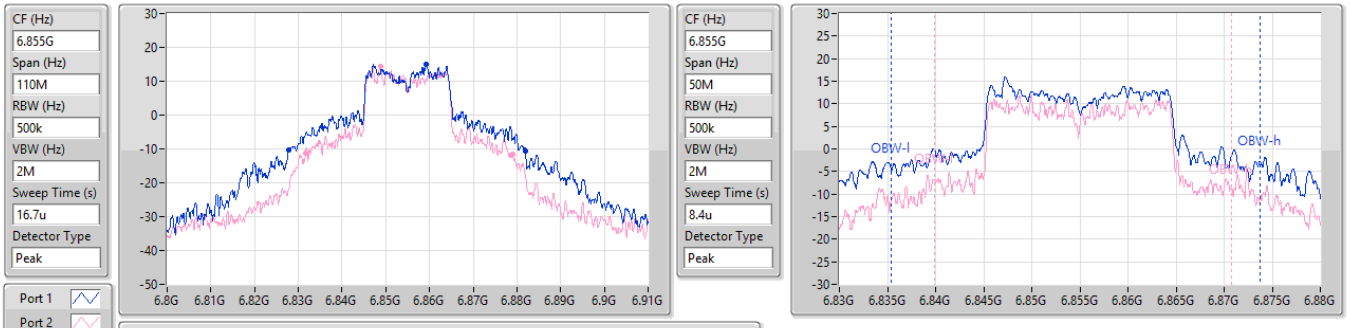


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
56.21M	6.66838G	6.72459G	37.66M	6.676116G	6.713776G	Inf	1
42.35M	6.675255G	6.717605G	27.092M	6.682022G	6.709115G	Inf	2

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

6855MHz

08/09/2023

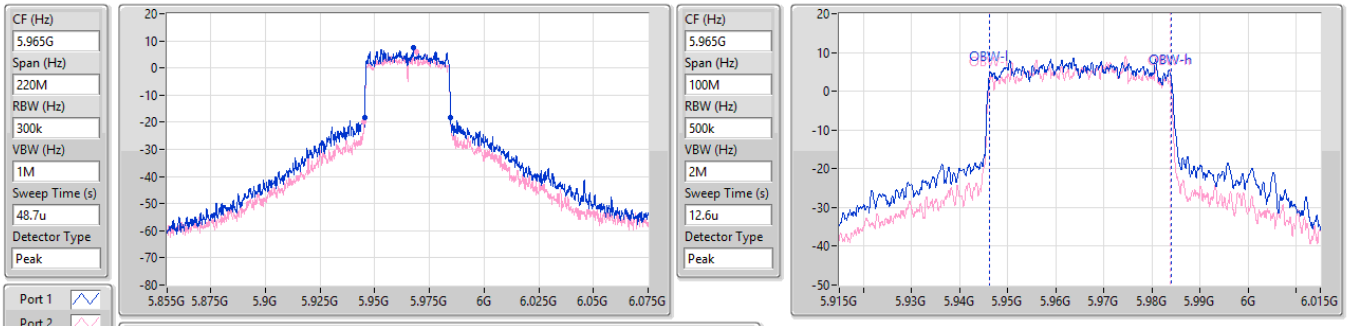


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
54.23M	6.82772G	6.88195G	38.335M	6.83539G	6.873725G	Inf	1
47.3M	6.83168G	6.87898G	30.858M	6.839881G	6.870739G	Inf	2

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

5965MHz

08/09/2023

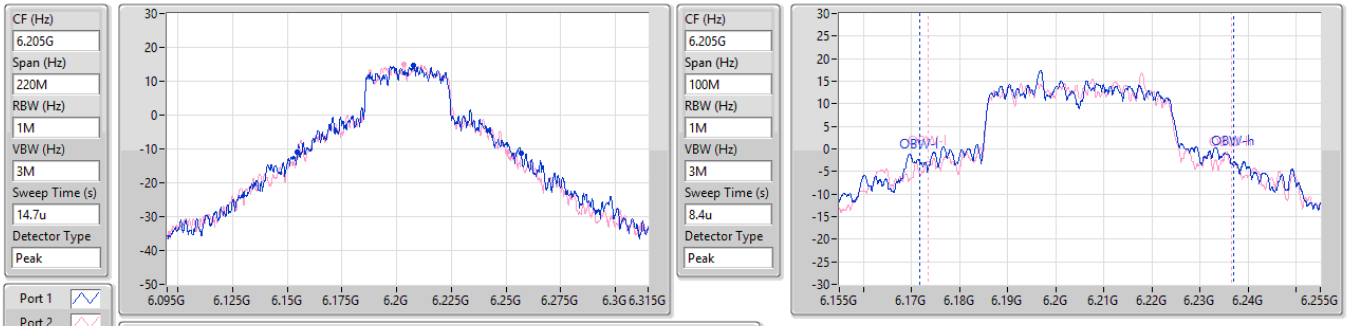


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.27M	5.94542G	5.98469G	37.96M	5.946101G	5.984061G	Inf	1
39.71M	5.94498G	5.98469G	37.57M	5.946231G	5.983801G	Inf	2

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

6205MHz

08/09/2023

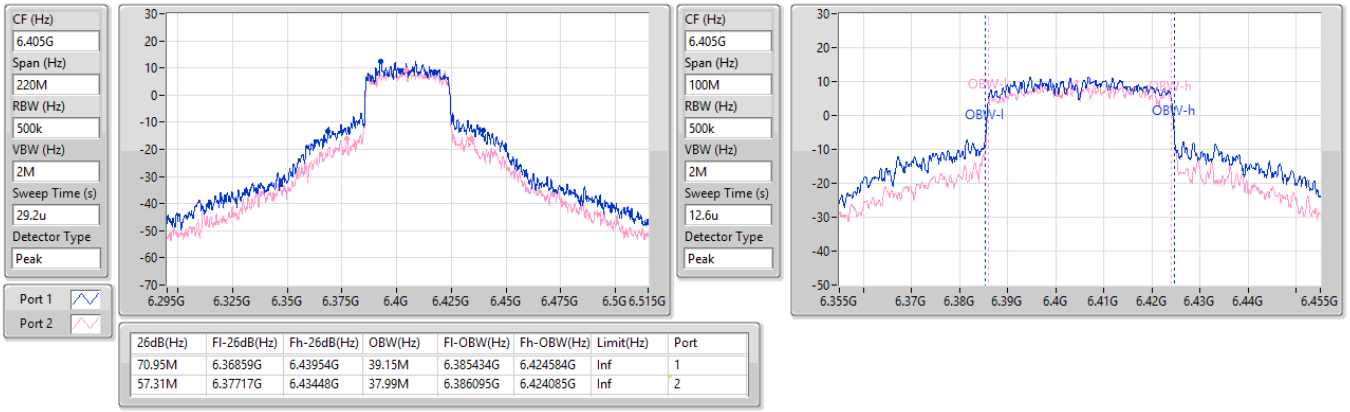


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
102.41M	6.15451G	6.25692G	65.284M	6.171751G	6.237035G	Inf	1
95.48M	6.15517G	6.25065G	63.033M	6.173418G	6.236451G	Inf	2

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

6405MHz

08/09/2023

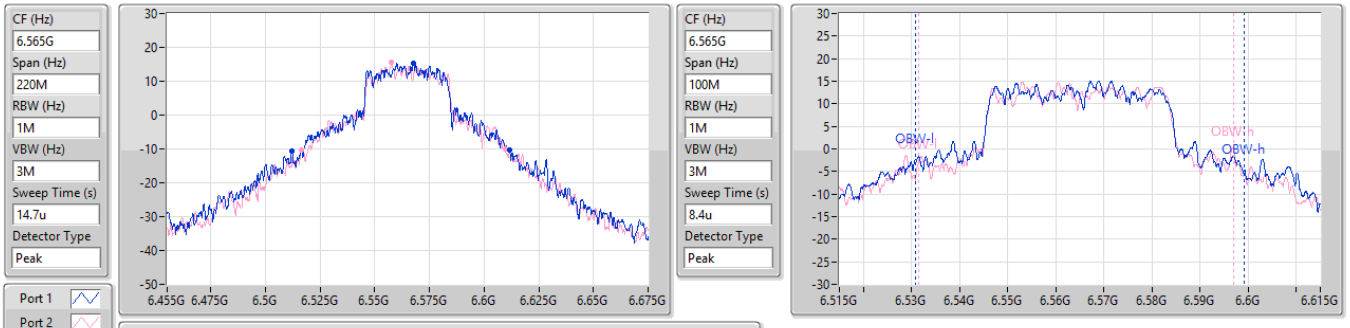


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
70.95M	6.36859G	6.43954G	39.15M	6.385434G	6.424584G	Inf	1
57.31M	6.37717G	6.43448G	37.99M	6.386095G	6.424085G	Inf	2

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

6565MHz

08/09/2023

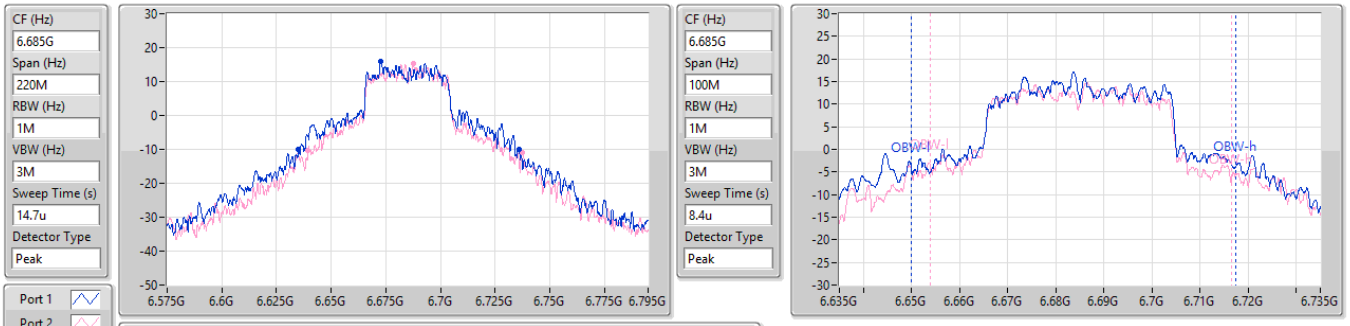


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
99.66M	6.51209G	6.61175G	68.333M	6.530858G	6.59919G	Inf	1
93.39M	6.51638G	6.60977G	65.632M	6.53139G	6.597022G	Inf	2

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

6685MHz

08/09/2023

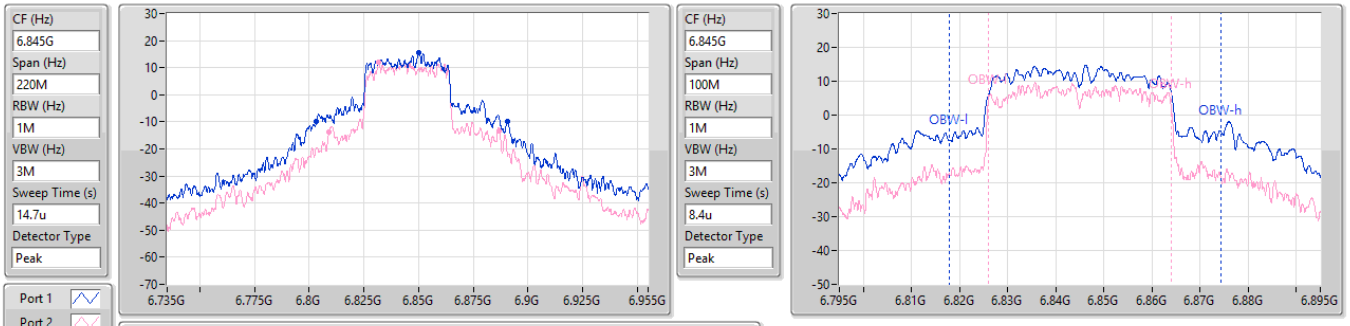


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
100.76M	6.63517G	6.73593G	67.366M	6.649957G	6.717323G	Inf	1
98.12M	6.63946G	6.73758G	62.543M	6.653932G	6.716475G	Inf	2

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

6845MHz

08/09/2023

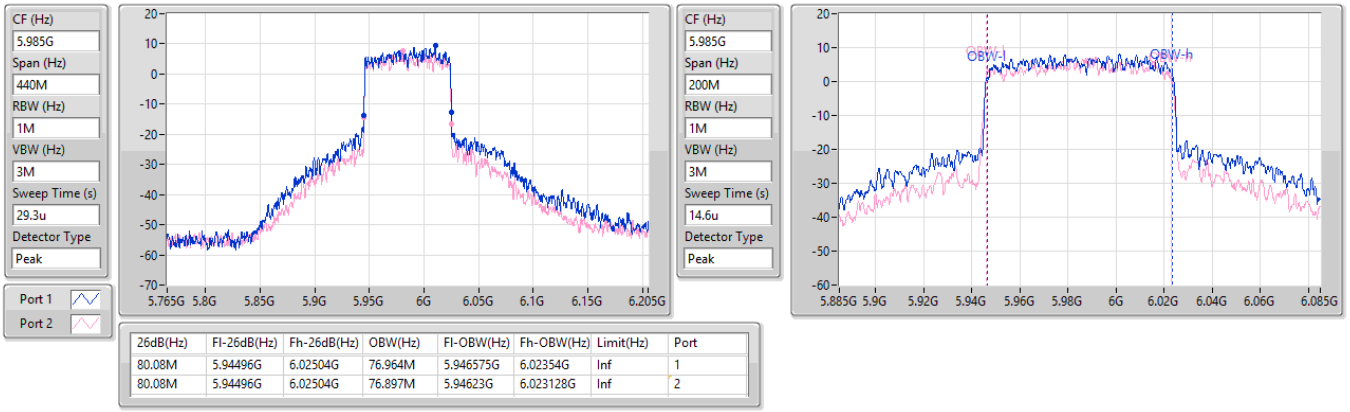


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
87.56M	6.80331G	6.89087G	56.294M	6.817967G	6.874261G	Inf	1
77.88M	6.80914G	6.88702G	37.992M	6.825957G	6.863948G	Inf	2

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

5985MHz

08/09/2023

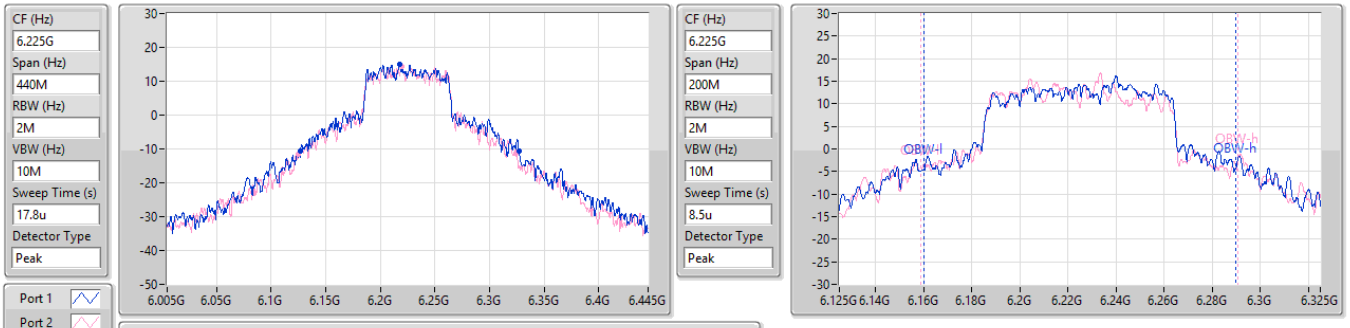


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.08M	5.94496G	6.02504G	76.964M	5.946575G	6.02354G	Inf	1
80.08M	5.94496G	6.02504G	76.897M	5.94623G	6.023128G	Inf	2

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

6225MHz

08/09/2023

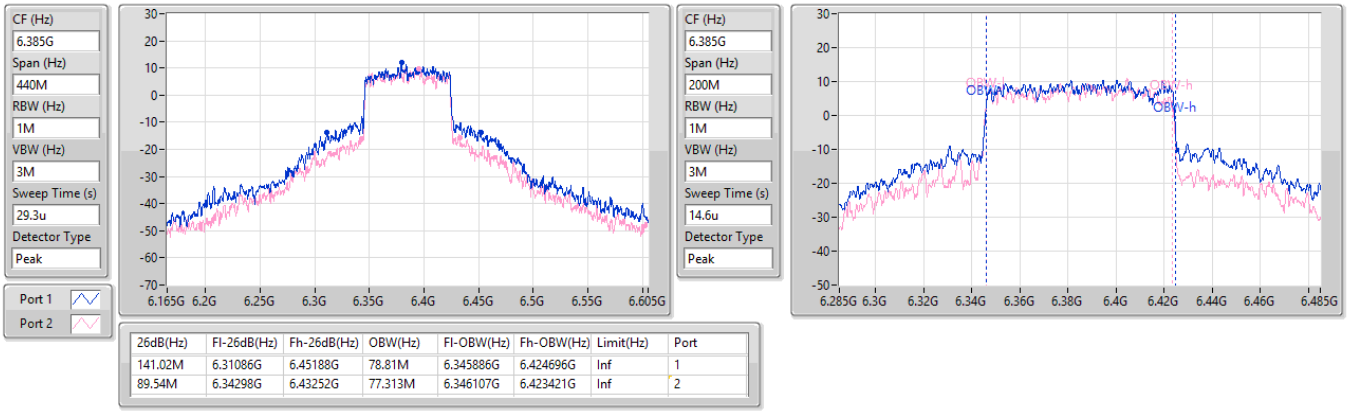


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
199.54M	6.1271G	6.32664G	129.659M	6.160091G	6.28975G	Inf	1
199.1M	6.12512G	6.32422G	131.833M	6.158959G	6.290792G	Inf	2

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

6385MHz

08/09/2023

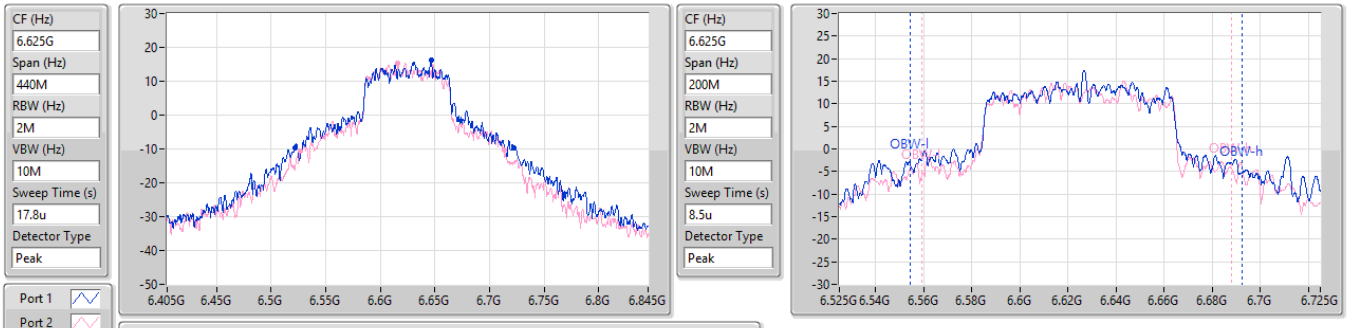


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
141.02M	6.31086G	6.45188G	78.81M	6.345886G	6.424696G	Inf	1
89.54M	6.34298G	6.43252G	77.313M	6.346107G	6.423421G	Inf	2

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

6625MHz

08/09/2023

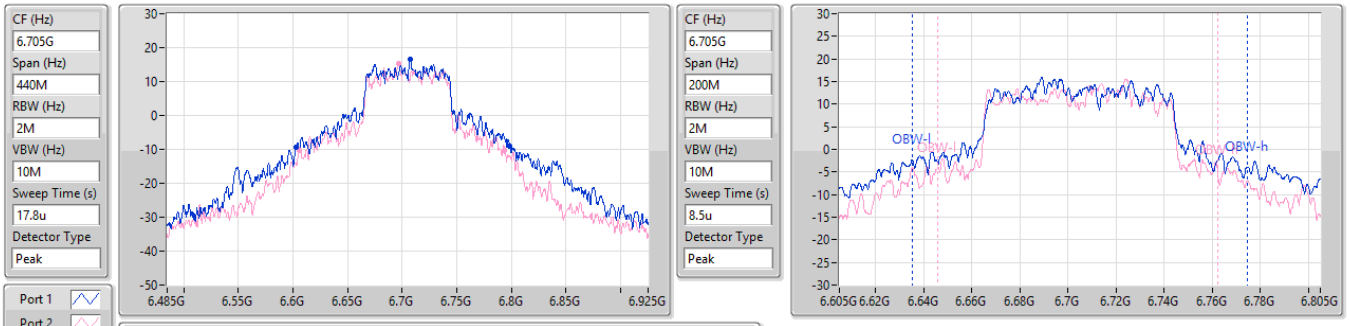


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
200.64M	6.52182G	6.72246G	138.122M	6.554522G	6.692644G	Inf	1
186.56M	6.52666G	6.71322G	128.955M	6.559194G	6.688148G	Inf	2

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

6705MHz

08/09/2023

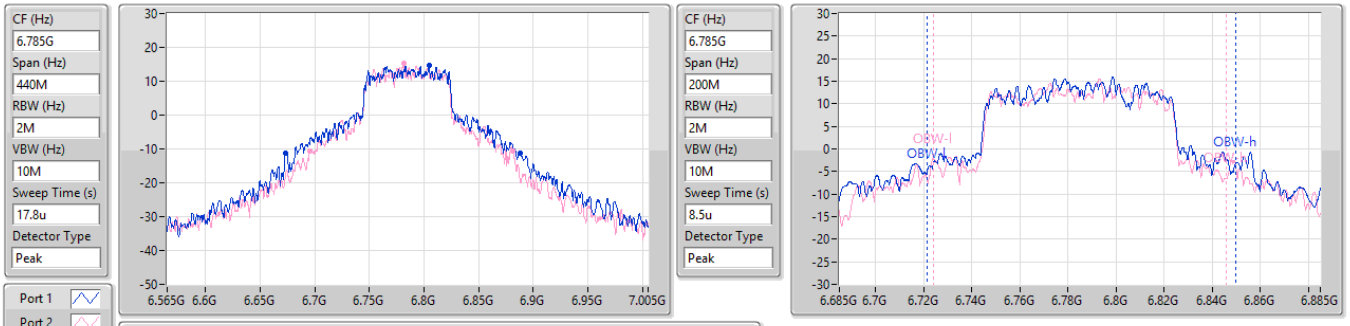


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
195.14M	6.60314G	6.79828G	139.435M	6.635189G	6.774624G	Inf	1
188.1M	6.60556G	6.79366G	116.488M	6.645752G	6.76224G	Inf	2

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

6785MHz

08/09/2023

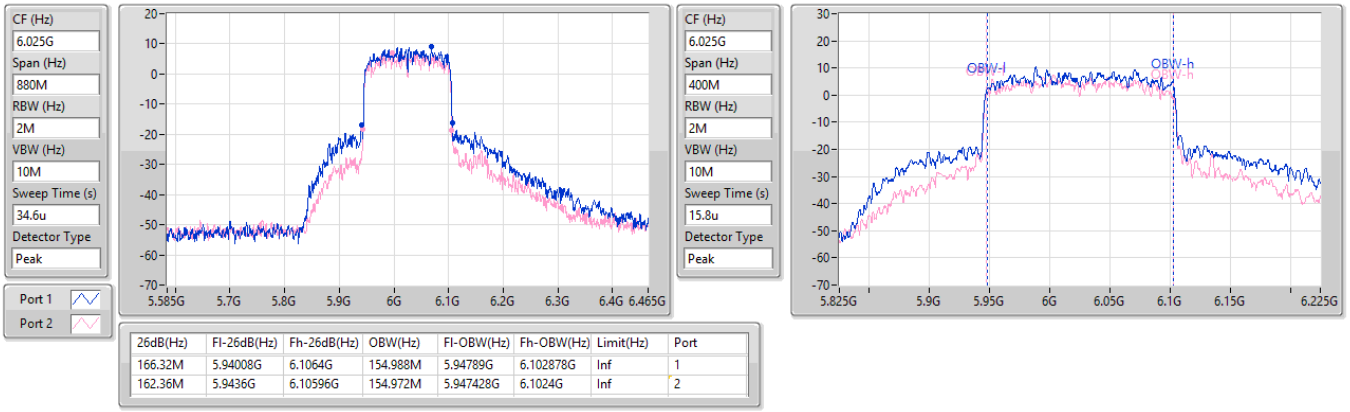


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
215.16M	6.67324G	6.8884G	128.676M	6.721333G	6.850009G	Inf	1
186.12M	6.69546G	6.88158G	121.742M	6.724315G	6.846056G	Inf	2

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX **EBW**

6025MHz

08/09/2023

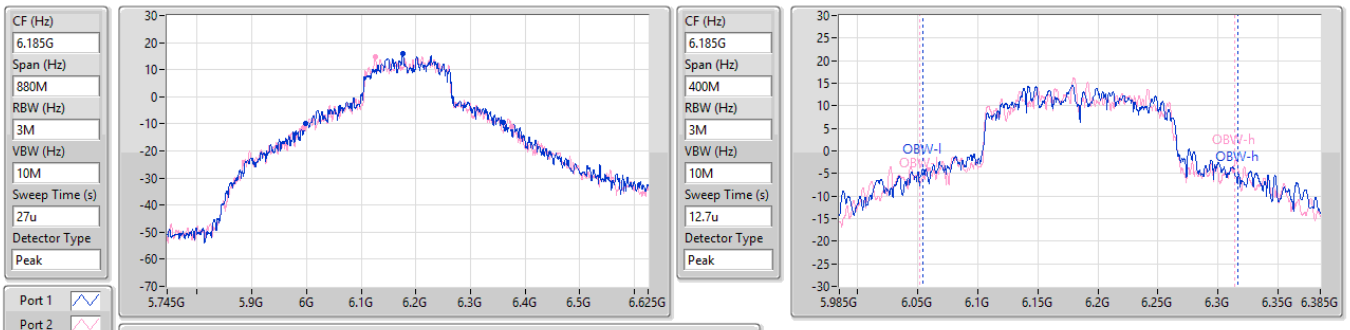


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
166.32M	5.94008G	6.1064G	154.988M	5.94789G	6.102878G	Inf	1
162.36M	5.9436G	6.10596G	154.972M	5.947428G	6.1024G	Inf	2

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX **EBW**

6185MHz

08/09/2023

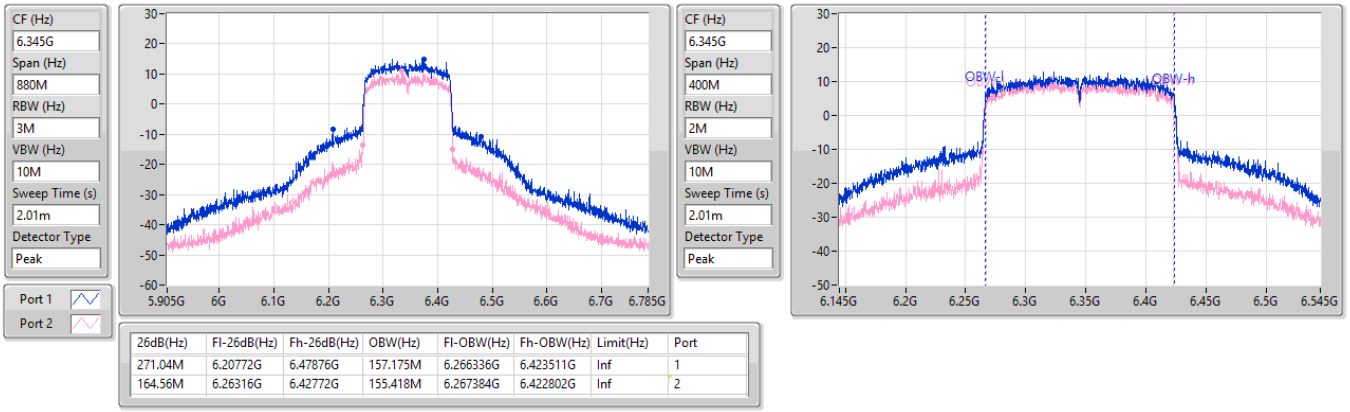


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
359.92M	5.99932G	6.35924G	262.491M	6.054275G	6.316766G	Inf	1
381.48M	5.99404G	6.37552G	262.614M	6.051545G	6.314159G	Inf	2

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX **EBW**

6345MHz

08/09/2023

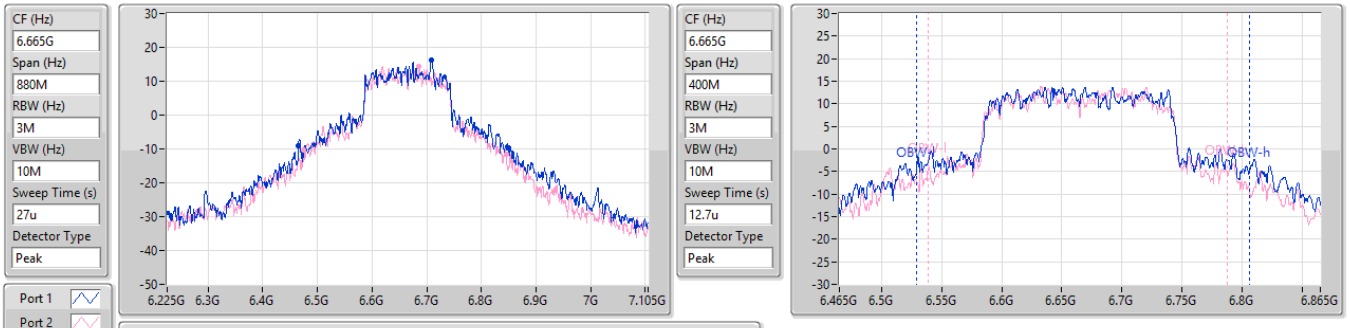


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
271.04M	6.20772G	6.47876G	157.175M	6.266336G	6.423511G	Inf	1
164.56M	6.26316G	6.42772G	155.418M	6.267384G	6.422802G	Inf	2

6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_2TX **EBW**

6665MHz

08/09/2023

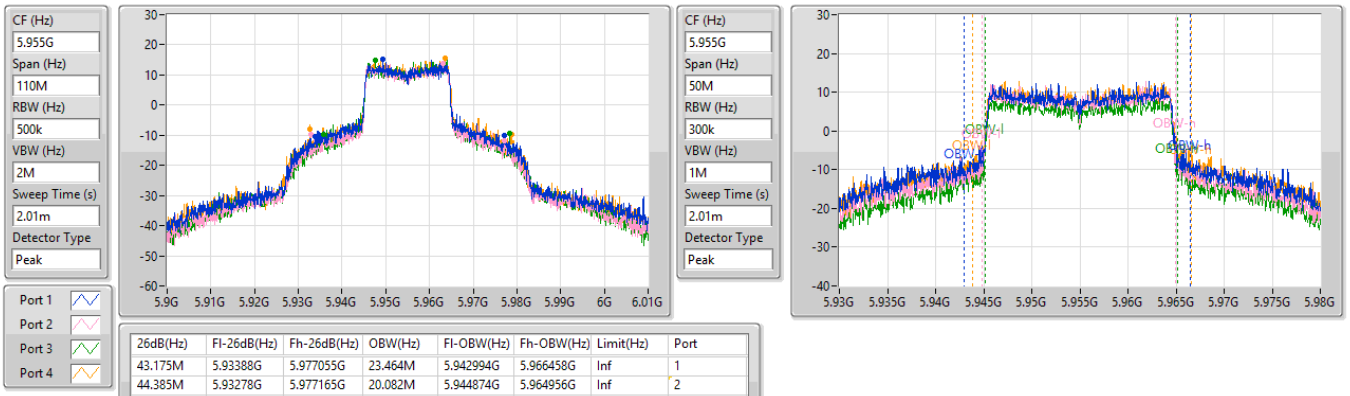


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
383.68M	6.46524G	6.84892G	276.371M	6.529315G	6.805687G	Inf	1
371.36M	6.47404G	6.8454G	248.403M	6.538892G	6.787295G	Inf	2

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

5955MHz

11/09/2023

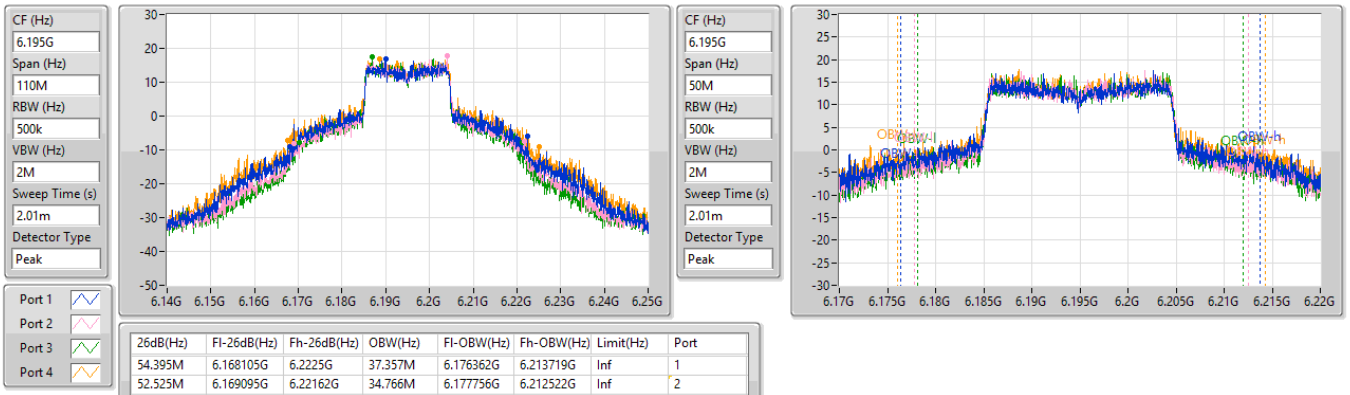


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.175M	5.93388G	5.977055G	23.464M	5.942994G	5.966458G	Inf	1
44.385M	5.93278G	5.977165G	20.082M	5.944874G	5.964956G	Inf	2
42.405M	5.93586G	5.978265G	20.006M	5.945157G	5.965163G	Inf	3
46.2M	5.93267G	5.97887G	22.733M	5.943847G	5.96658G	Inf	4

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

6195MHz

11/09/2023

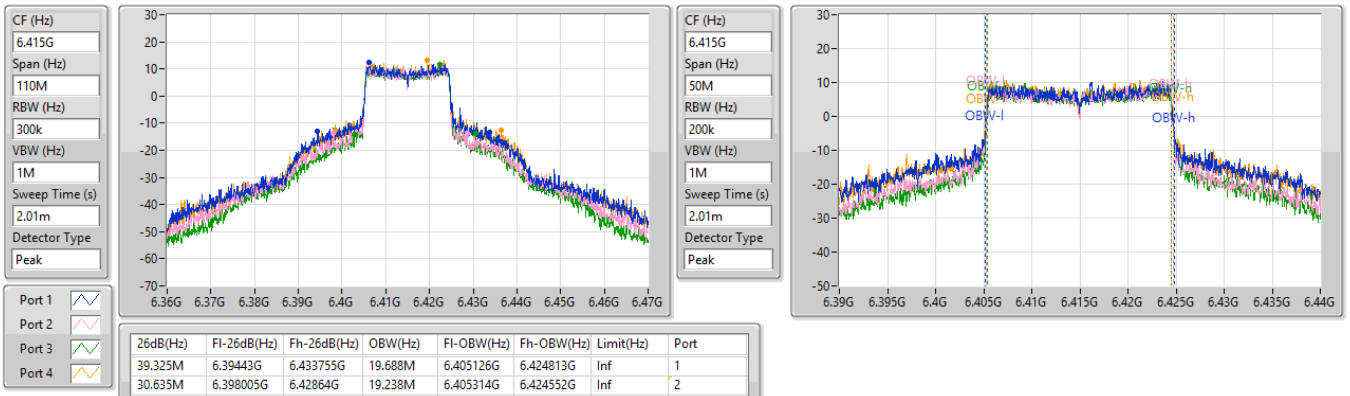


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
54.395M	6.168105G	6.2225G	37.357M	6.176362G	6.213719G	Inf	1
52.525M	6.169095G	6.22162G	34.766M	6.177756G	6.212522G	Inf	2
50.985M	6.17014G	6.221125G	33.796M	6.178175G	6.211971G	Inf	3
57.475M	6.167555G	6.22503G	38.286M	6.175994G	6.21428G	Inf	4

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

6415MHz

11/09/2023

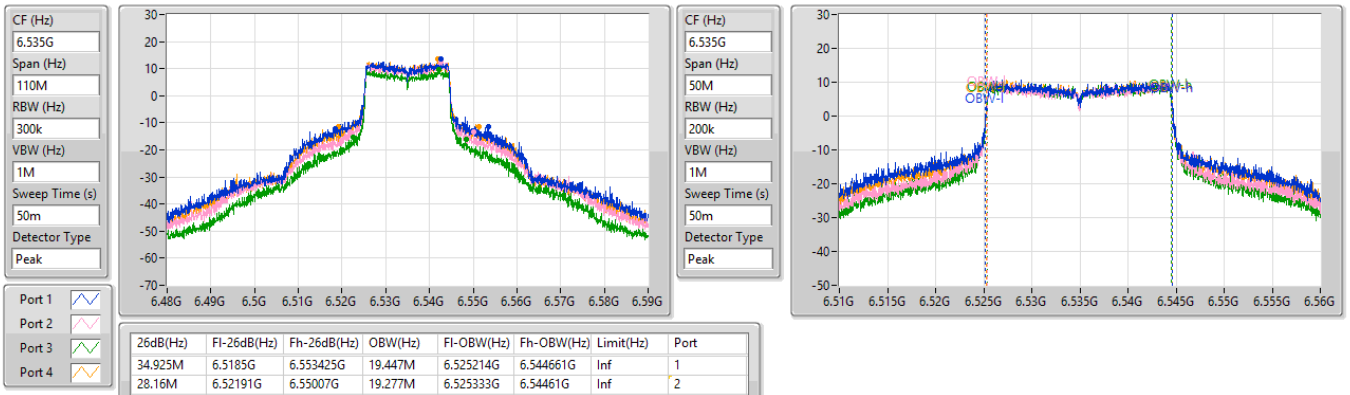


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.325M	6.39443G	6.433755G	19.688M	6.405126G	6.424813G	Inf	1
30.635M	6.398005G	6.42864G	19.238M	6.405314G	6.424552G	Inf	2
27.775M	6.402845G	6.43062G	19.096M	6.405425G	6.424522G	Inf	3
38.005M	6.398335G	6.43634G	19.481M	6.405237G	6.424718G	Inf	4

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

6535MHz

11/09/2023

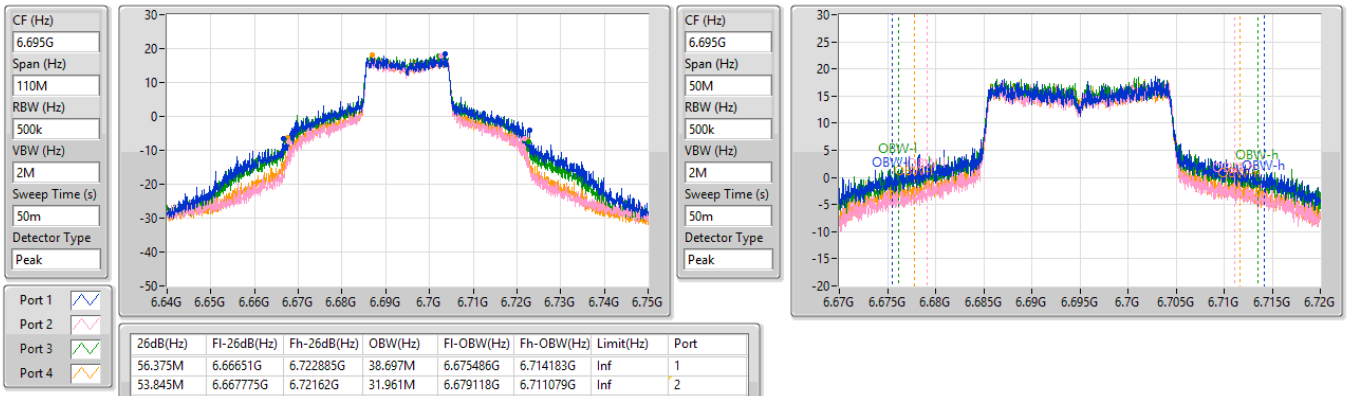


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.925M	6.5185G	6.553425G	19.447M	6.525214G	6.544661G	Inf	1
28.16M	6.52191G	6.55007G	19.277M	6.525333G	6.54461G	Inf	2
25.795M	6.52257G	6.548365G	19.178M	6.525382G	6.54456G	Inf	3
32.065M	6.51927G	6.551335G	19.309M	6.52529G	6.544599G	Inf	4

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

6695MHz

11/09/2023

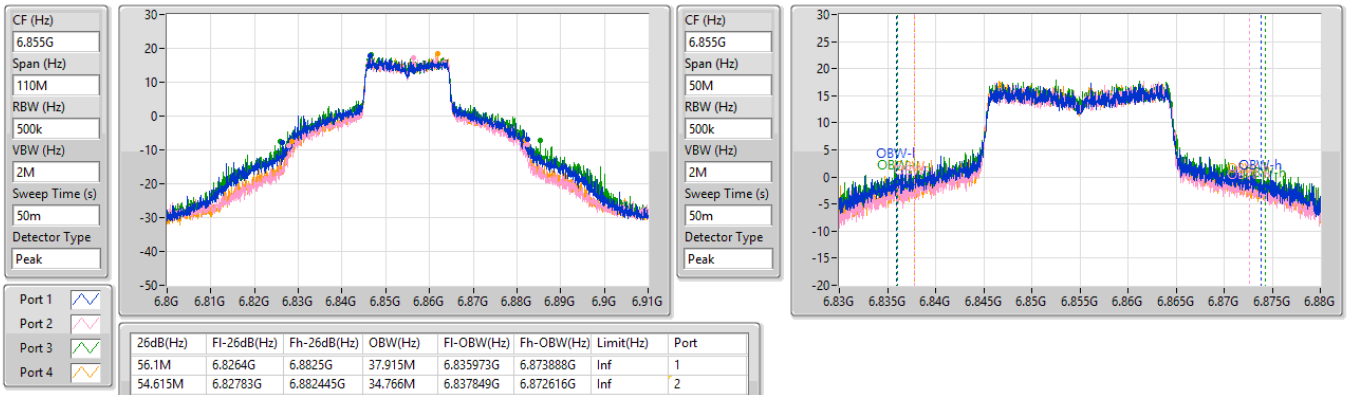


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
56.375M	6.66651G	6.722885G	38.697M	6.675486G	6.714183G	Inf	1
53.845M	6.667775G	6.72162G	31.961M	6.679118G	6.711079G	Inf	2
55.66M	6.667115G	6.722775G	37.412M	6.676152G	6.713563G	Inf	3
54.78M	6.66761G	6.72239G	33.833M	6.677843G	6.711676G	Inf	4

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

6855MHz

11/09/2023

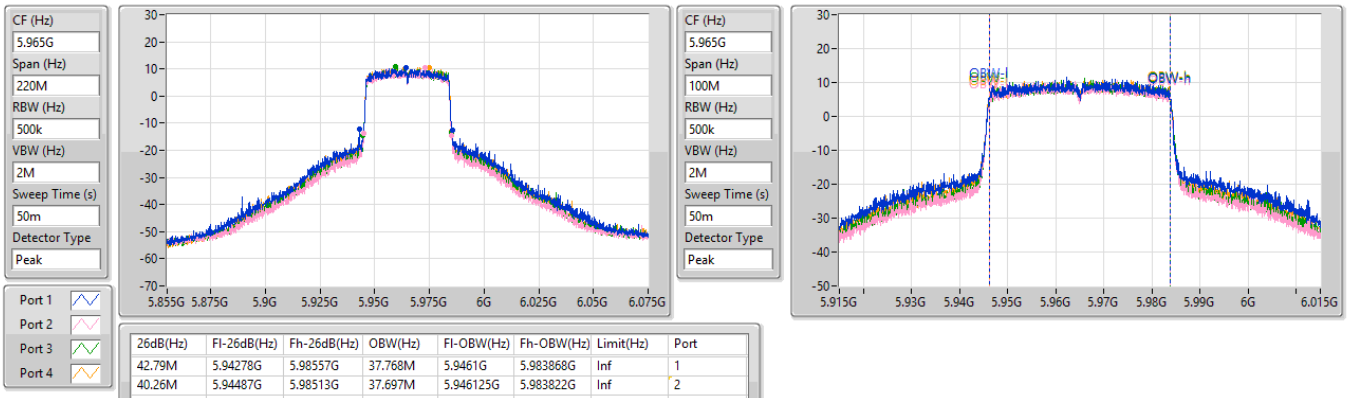


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
56.1M	6.8264G	6.8825G	37.915M	6.835973G	6.873888G	Inf	1
54.615M	6.82783G	6.882445G	34.766M	6.837849G	6.872616G	Inf	2
59.4M	6.82596G	6.88536G	38.268M	6.836014G	6.874282G	Inf	3
53.46M	6.8286G	6.88206G	34.896M	6.837762G	6.872658G	Inf	4

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

5965MHz

11/09/2023

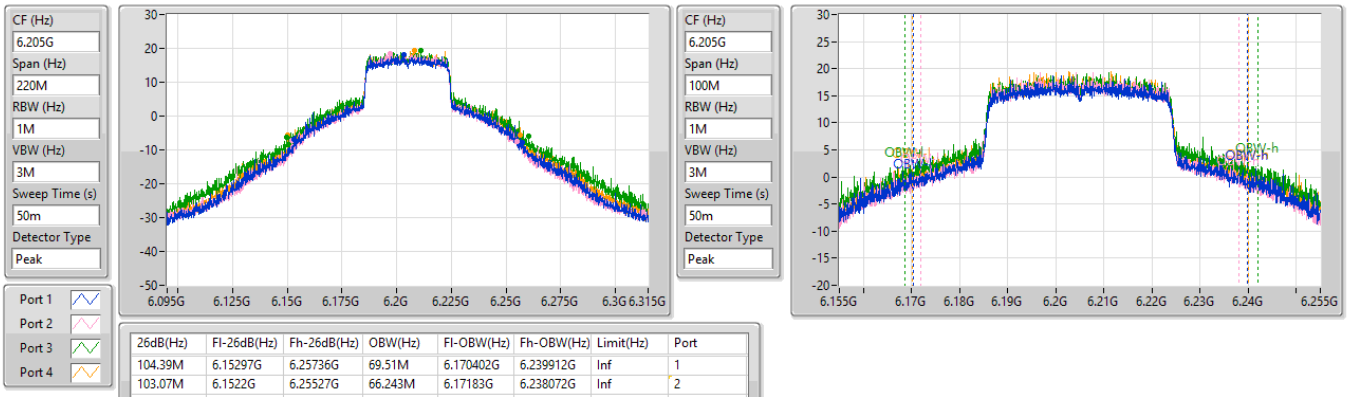


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.79M	5.94278G	5.98557G	37.768M	5.9461G	5.983868G	Inf	1
40.26M	5.94487G	5.98513G	37.697M	5.946125G	5.983822G	Inf	2
40.48M	5.94465G	5.98513G	37.743M	5.946105G	5.983848G	Inf	3
40.59M	5.94465G	5.98524G	37.75M	5.946114G	5.983864G	Inf	4

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

6205MHz

11/09/2023

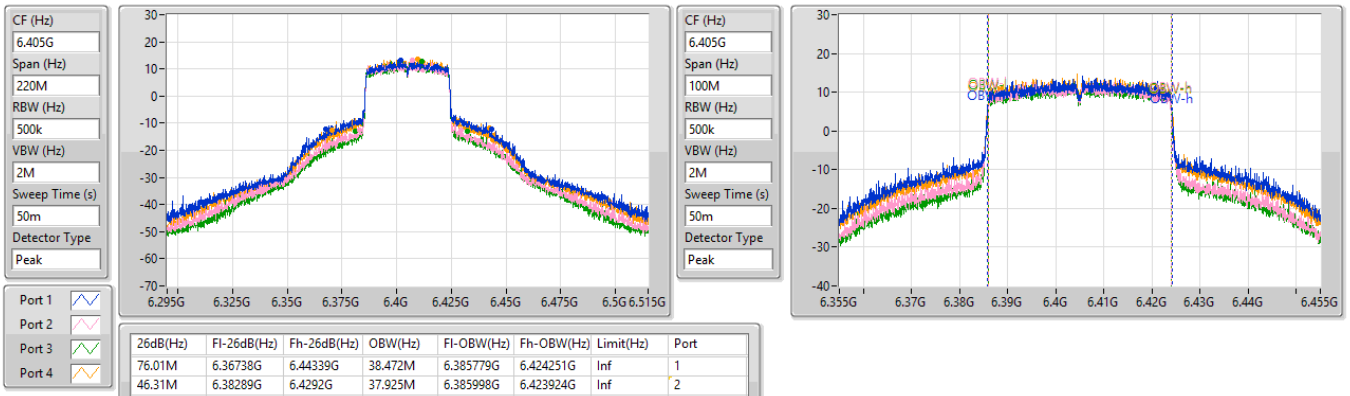


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
104.39M	6.15297G	6.25736G	69.51M	6.170402G	6.239912G	Inf	1
103.07M	6.1522G	6.25527G	66.243M	6.17183G	6.238072G	Inf	2
110.66M	6.14978G	6.26044G	73.413M	6.168598G	6.242011G	Inf	3
106.37M	6.15033G	6.2567G	69.863M	6.170169G	6.240032G	Inf	4

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

6405MHz

11/09/2023

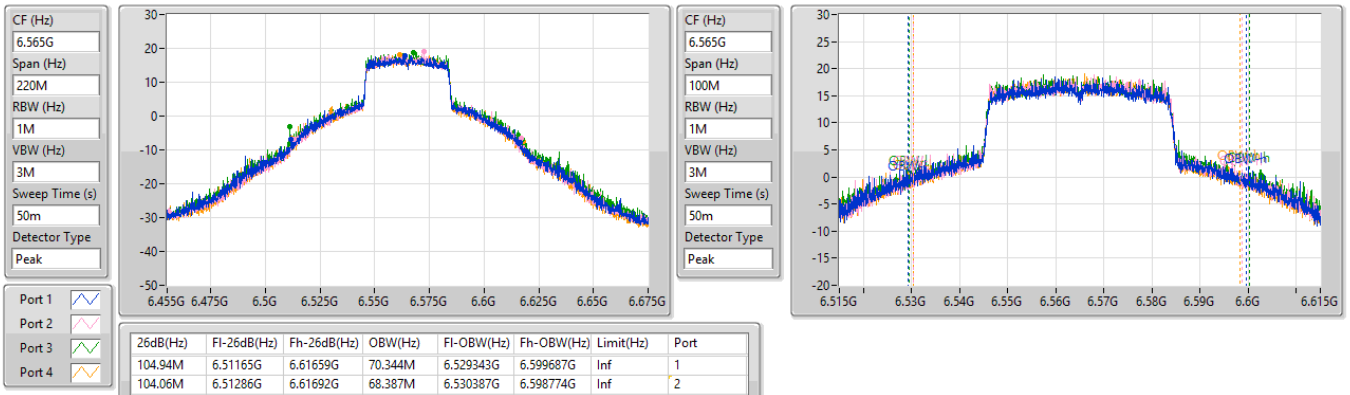


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.01M	6.36738G	6.44339G	38.472M	6.385779G	6.424251G	Inf	1
46.31M	6.38289G	6.4292G	37.925M	6.385998G	6.423924G	Inf	2
51.37M	6.38113G	6.4325G	37.892M	6.386042G	6.423934G	Inf	3
72.27M	6.37024G	6.44251G	38.207M	6.385882G	6.424089G	Inf	4

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

6565MHz

11/09/2023

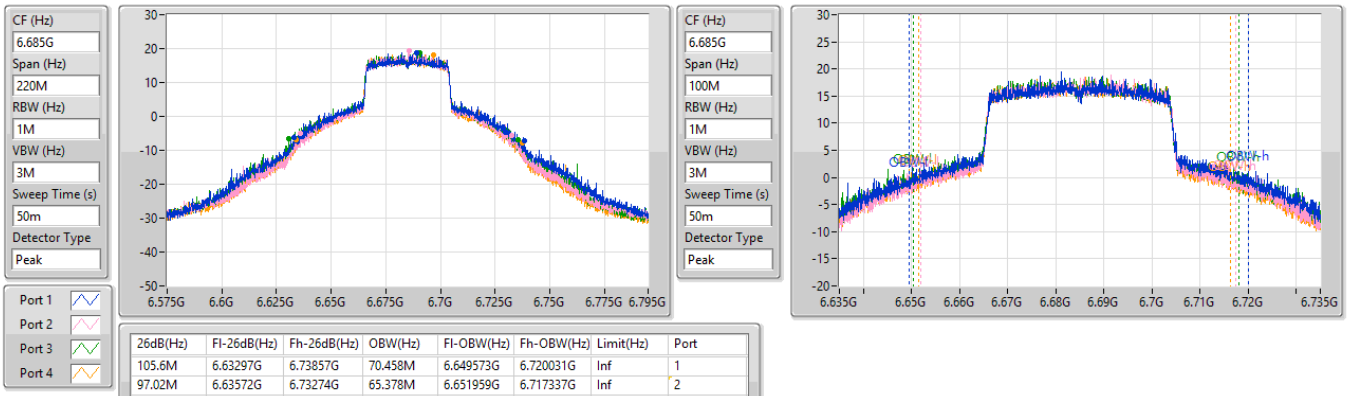


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
104.94M	6.51165G	6.61659G	70.344M	6.529343G	6.599687G	Inf	1
104.06M	6.51286G	6.61692G	68.387M	6.530387G	6.598774G	Inf	2
106.59M	6.5111G	6.61769G	70.687M	6.529504G	6.600191G	Inf	3
106.15M	6.51187G	6.61802G	67.883M	6.530348G	6.598231G	Inf	4

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

6685MHz

11/09/2023

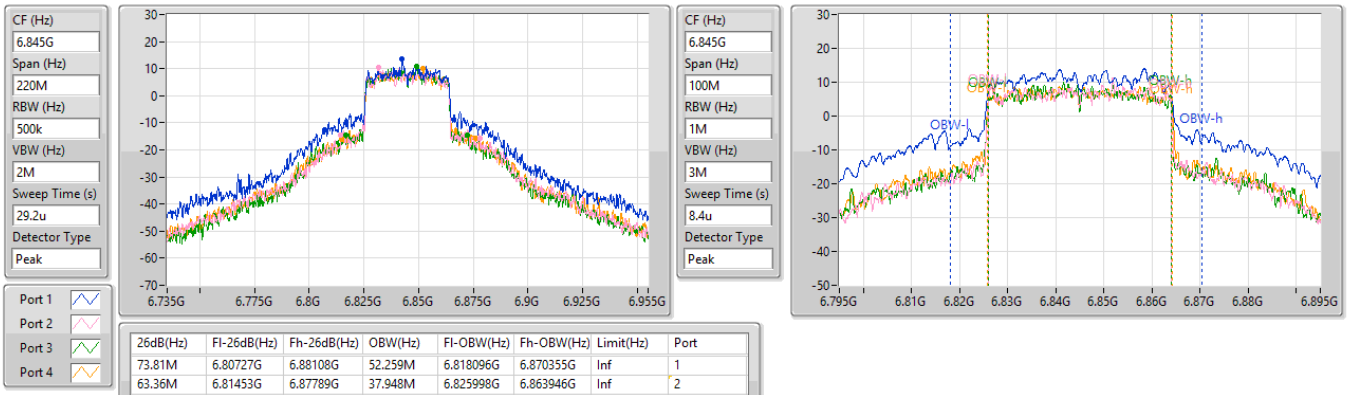


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
105.6M	6.63297G	6.73857G	70.458M	6.649573G	6.720031G	Inf	1
97.02M	6.63572G	6.73274G	65.378M	6.651959G	6.717337G	Inf	2
105.05M	6.63066G	6.73571G	67.853M	6.650318G	6.718171G	Inf	3
103.73M	6.63385G	6.73758G	64.887M	6.651532G	6.716419G	Inf	4

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

6845MHz

11/09/2023

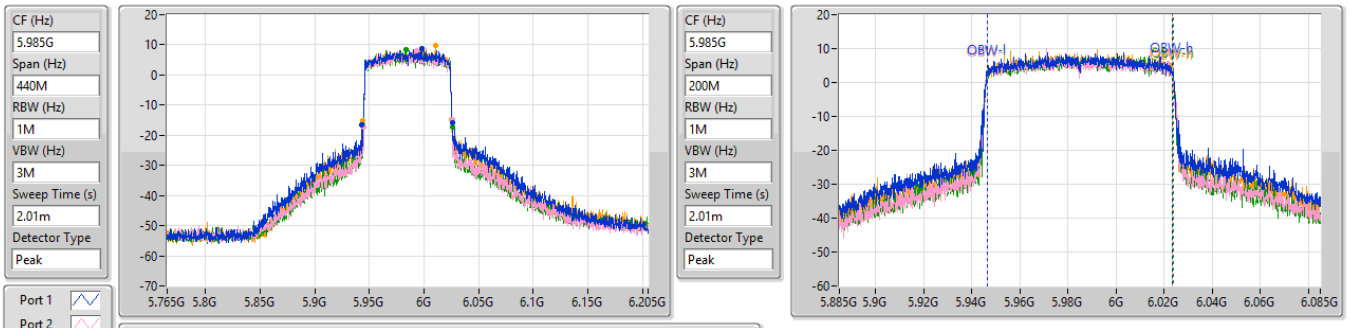


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.81M	6.80727G	6.88108G	52.259M	6.818096G	6.870355G	Inf	1
63.36M	6.81453G	6.87789G	37.948M	6.825998G	6.863946G	Inf	2
55.55M	6.81695G	6.8725G	38.101M	6.825934G	6.864035G	Inf	3
61.49M	6.81475G	6.87624G	38.377M	6.825834G	6.864212G	Inf	4

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

5985MHz

11/09/2023

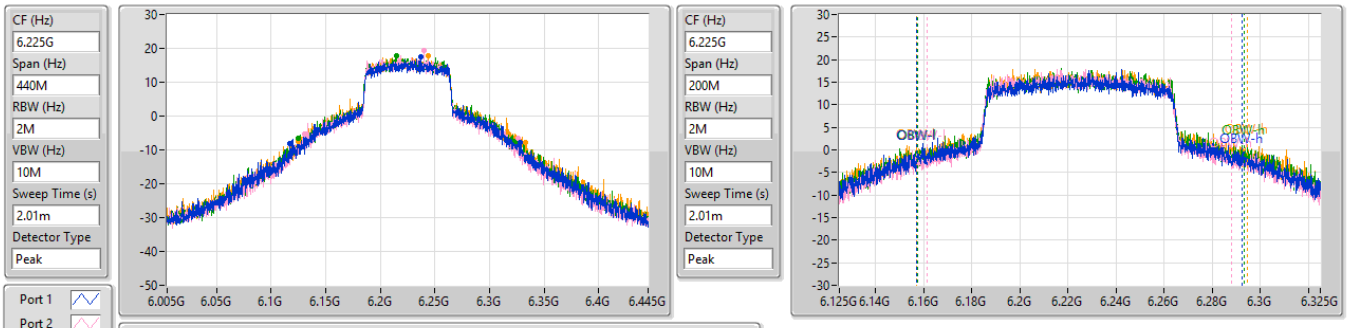


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.94M	5.94276G	6.0257G	77.149M	5.946453G	6.023602G	Inf	1
81.4M	5.94474G	6.02614G	77.253M	5.94641G	6.023663G	Inf	2
81.84M	5.9443G	6.02614G	77.12M	5.946581G	6.0237G	Inf	3
80.96M	5.9443G	6.02526G	76.99M	5.94651G	6.0235G	Inf	4

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

6225MHz

11/09/2023

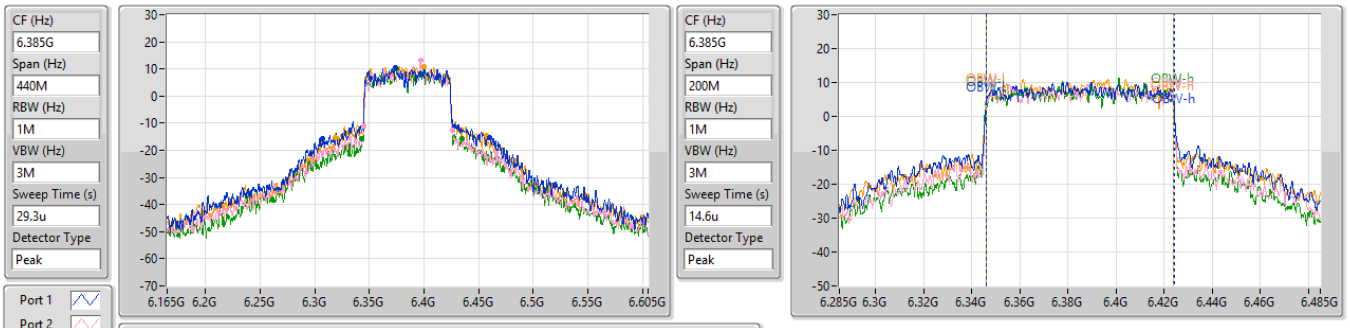


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
211.64M	6.11676G	6.3284G	135.375M	6.157205G	6.29258G	Inf	1
195.8M	6.1304G	6.3262G	126.516M	6.161584G	6.2881G	Inf	2
199.54M	6.1249G	6.32444G	135.918M	6.157623G	6.293541G	Inf	3
208.12M	6.12446G	6.33258G	137.674M	6.157036G	6.29471G	Inf	4

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

6385MHz

11/09/2023

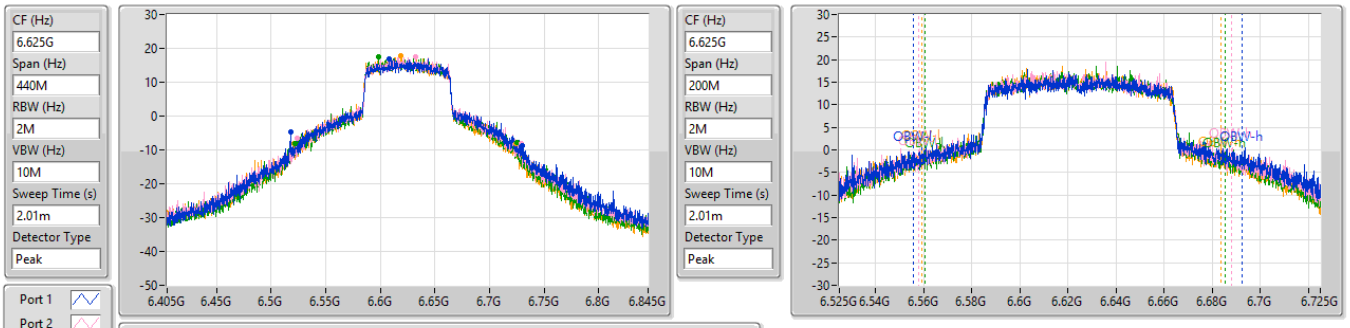


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
152.68M	6.30756G	6.46024G	78.576M	6.345909G	6.424485G	Inf	1
80.96M	6.34496G	6.42592G	77.762M	6.346059G	6.423821G	Inf	2
91.96M	6.3432G	6.43516G	77.853M	6.346029G	6.423882G	Inf	3
138.6M	6.31856G	6.45716G	78.123M	6.34592G	6.424043G	Inf	4

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

6625MHz

11/09/2023

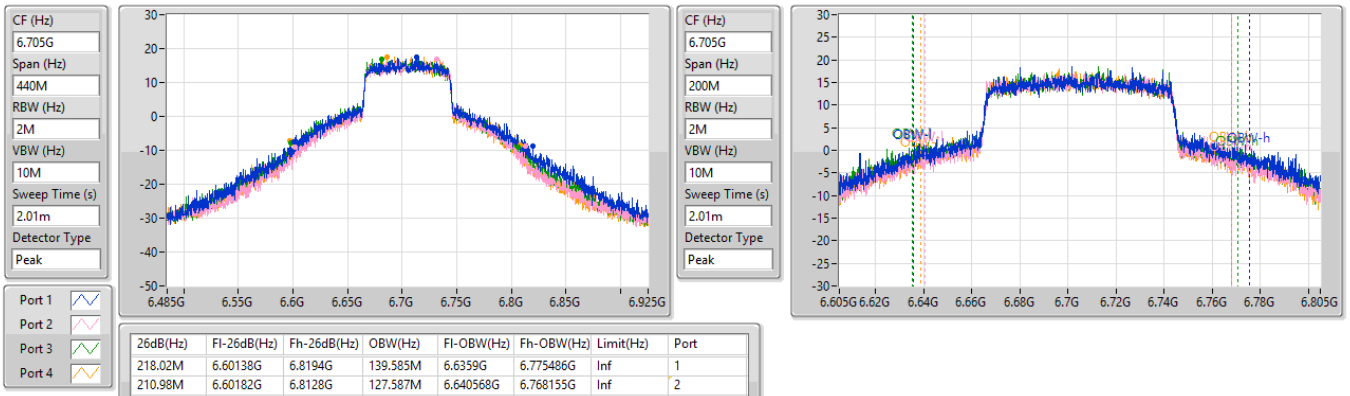


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
211.64M	6.51786G	6.7295G	136.618M	6.555673G	6.69229G	Inf	1
205.26M	6.52358G	6.72884G	130.158M	6.557839G	6.687997G	Inf	2
202.84M	6.52182G	6.72466G	124.623M	6.560648G	6.685271G	Inf	3
202.84M	6.52094G	6.72378G	124.352M	6.559124G	6.683477G	Inf	4

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

6705MHz

11/09/2023

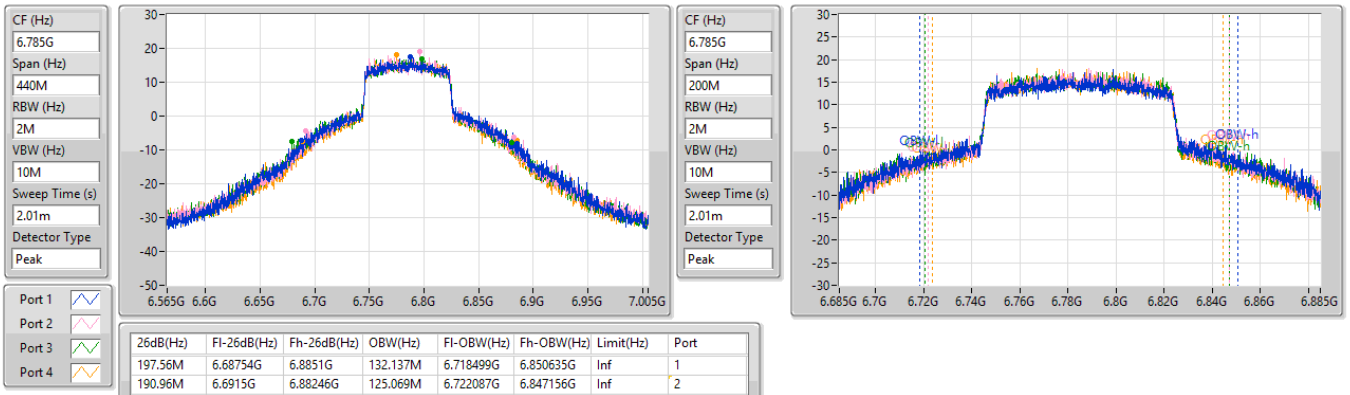


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
218.02M	6.60138G	6.8194G	139.585M	6.6359G	6.775486G	Inf	1
210.98M	6.60182G	6.8128G	127.587M	6.640568G	6.768155G	Inf	2
207.68M	6.59852G	6.8062G	135.254M	6.635333G	6.770587G	Inf	3
211.2M	6.5972G	6.8084G	129.342M	6.63886G	6.768201G	Inf	4

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

6785MHz

11/09/2023

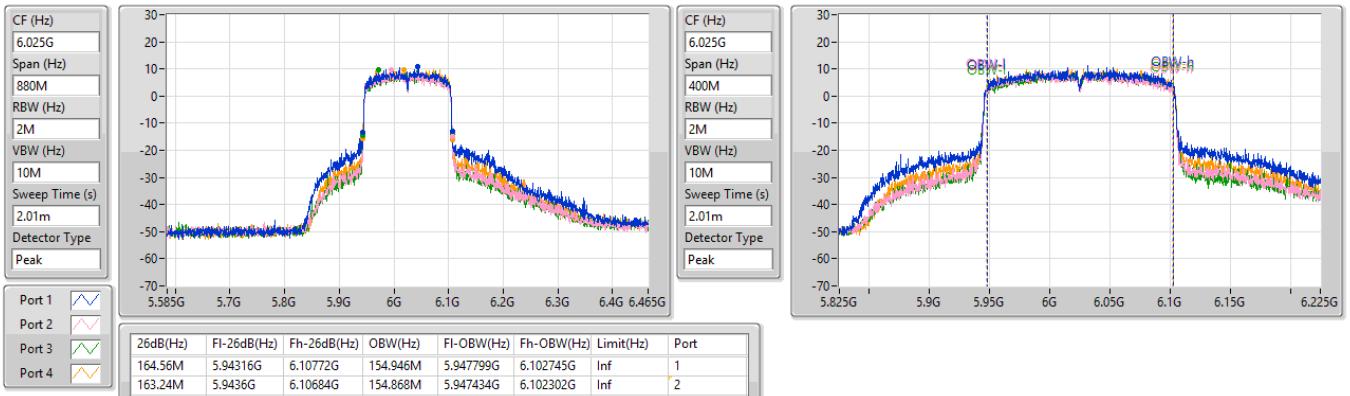


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
197.56M	6.68754G	6.8851G	132.137M	6.718499G	6.850635G	Inf	1
190.96M	6.6915G	6.88246G	125.069M	6.722087G	6.847156G	Inf	2
201.52M	6.67918G	6.8807G	126.487M	6.720754G	6.847241G	Inf	3
197.12M	6.68842G	6.88554G	120.923M	6.7237G	6.844623G	Inf	4

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

6025MHz

11/09/2023

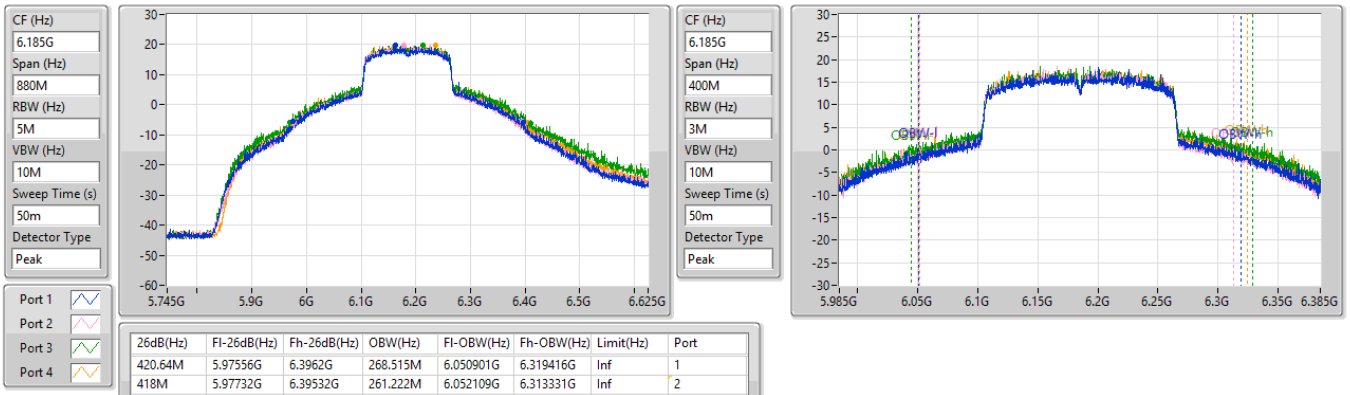


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.56M	5.94316G	6.10772G	154.946M	5.947799G	6.102745G	Inf	1
163.24M	5.9436G	6.10684G	154.868M	5.947434G	6.102302G	Inf	2
164.56M	5.94316G	6.10772G	154.685M	5.947827G	6.102512G	Inf	3
163.68M	5.9436G	6.10728G	154.765M	5.947785G	6.102551G	Inf	4

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

6185MHz

11/09/2023

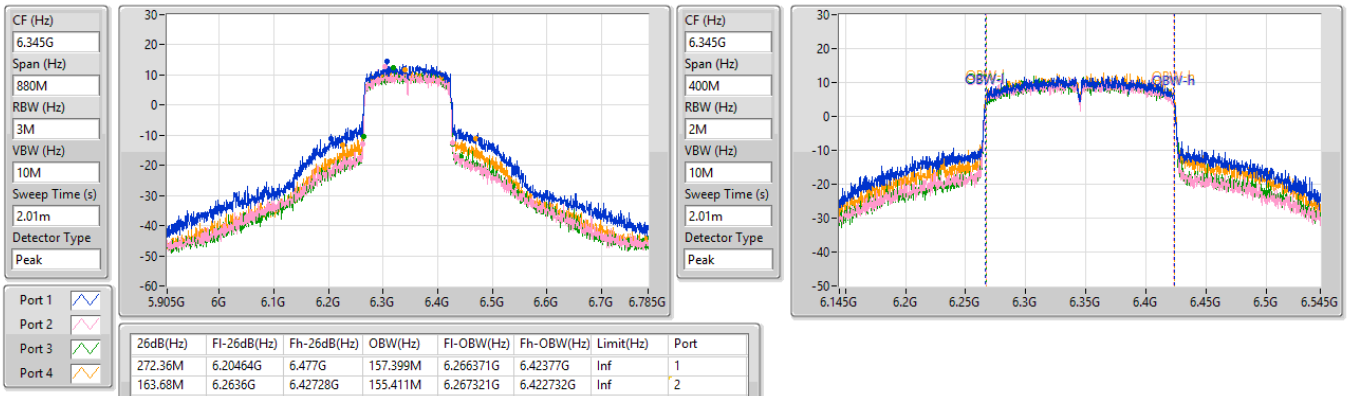


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
420.64M	5.97556G	6.3962G	268.515M	6.050901G	6.319416G	Inf	1
418M	5.97732G	6.39532G	261.222M	6.052109G	6.313331G	Inf	2
442.64M	5.96852G	6.41116G	283.67M	6.045154G	6.328824G	Inf	3
430.32M	5.9738G	6.40412G	273.143M	6.05085G	6.323994G	Inf	4

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

6345MHz

11/09/2023

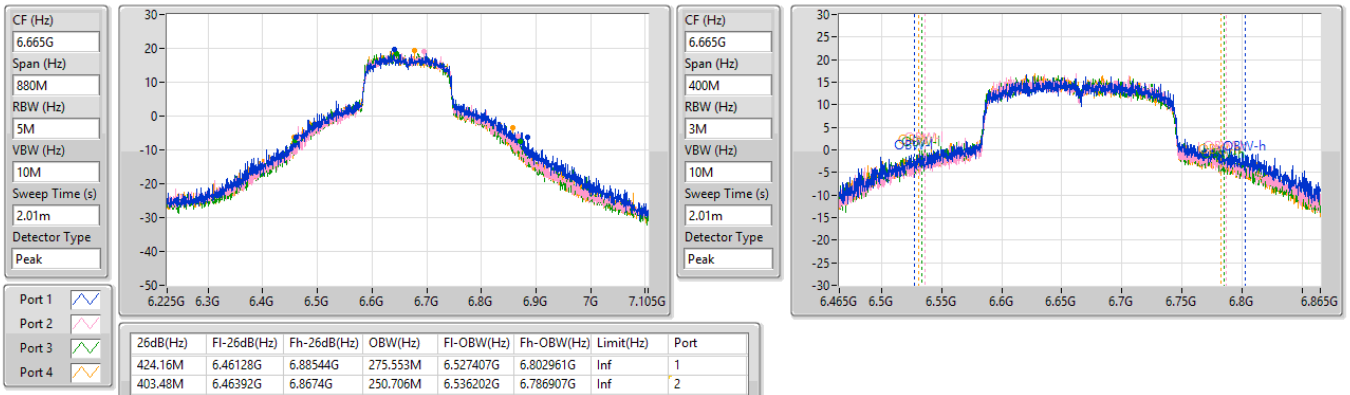


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
272.36M	6.20464G	6.477G	157.399M	6.266371G	6.42377G	Inf	1
163.68M	6.2636G	6.42728G	155.411M	6.267321G	6.422732G	Inf	2
163.24M	6.26404G	6.42728G	155.24M	6.267572G	6.422812G	Inf	3
244.2M	6.2262G	6.4704G	156.428M	6.266902G	6.42333G	Inf	4

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

6665MHz

11/09/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
424.16M	6.46128G	6.88544G	275.553M	6.527407G	6.802961G	Inf	1
403.48M	6.46392G	6.8674G	250.706M	6.536202G	6.786907G	Inf	2
413.16M	6.45864G	6.8718G	251.498M	6.533212G	6.78471G	Inf	3
401.28M	6.45688G	6.85816G	250.743M	6.531327G	6.78207G	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,(MCS3)_2TX	21.78M	19.076M	19M1D1D	20.79M	19.021M
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	21.725M	19.071M	19M1D1D	21.065M	18.984M
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	39.82M	37.73M	37M7D1D	39.16M	37.54M
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	39.82M	37.704M	37M7D1D	38.5M	36.987M
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	81.4M	77.15M	77M2D1D	80.74M	76.98M
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	89.1M	77.078M	77M1D1D	79.86M	75.196M
802.11ax HEW160-BF_Nss1,(MCS3)_2TX	163.24M	154.933M	155MD1D	161.92M	154.274M
802.11ax HEW160-BF_Nss1,(MCS3)_4TX	164.56M	155.244M	155MD1D	161.92M	153.757M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	21.065M	19.06M	19M1D1D	20.35M	19.012M
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	21.725M	19.11M	19M1D1D	20.625M	18.968M
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	39.71M	37.64M	37M6D1D	39.16M	37.517M
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	39.82M	37.745M	37M7D1D	38.72M	36.986M
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	81.84M	77.198M	77M2D1D	80.3M	76.69M
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	81.84M	77.112M	77M1D1D	79.86M	75.254M
802.11ax HEW160-BF_Nss1,(MCS3)_2TX	163.68M	154.903M	155MD1D	161.48M	154.122M
802.11ax HEW160-BF_Nss1,(MCS3)_4TX	164.12M	154.932M	155MD1D	162.36M	154.558M

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

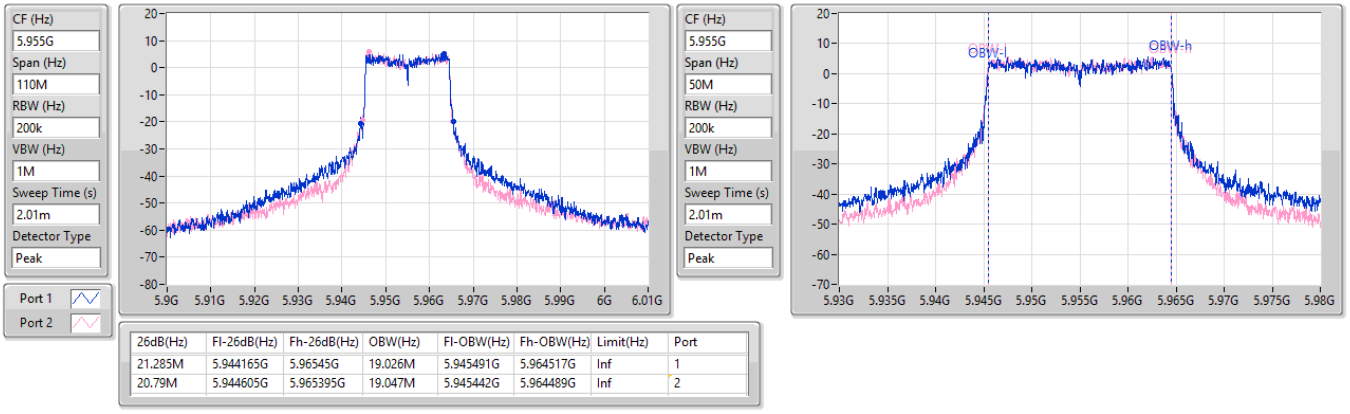
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	21.285M	19.026M	20.79M	19.047M				
6195MHz	Pass	Inf	21.78M	19.021M	21.67M	19.061M				
6415MHz	Pass	Inf	20.9M	19.046M	21.01M	19.076M				
6535MHz	Pass	Inf	20.35M	19.032M	20.845M	19.029M				
6695MHz	Pass	Inf	21.01M	19.055M	20.79M	19.06M				
6855MHz	Pass	Inf	20.68M	19.012M	21.065M	19.031M				
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	39.16M	37.643M	39.27M	37.72M				
6205MHz	Pass	Inf	39.6M	37.615M	39.49M	37.73M				
6405MHz	Pass	Inf	39.82M	37.683M	39.27M	37.54M				
6565MHz	Pass	Inf	39.27M	37.63M	39.49M	37.605M				
6685MHz	Pass	Inf	39.27M	37.587M	39.16M	37.64M				
6845MHz	Pass	Inf	39.71M	37.517M	39.49M	37.634M				
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	80.74M	76.98M	81.4M	77.002M				
6225MHz	Pass	Inf	80.96M	77.107M	80.74M	77.048M				
6385MHz	Pass	Inf	81.4M	77.068M	81.4M	77.15M				
6625MHz	Pass	Inf	80.3M	76.971M	81.62M	77.065M				
6705MHz	Pass	Inf	80.3M	76.69M	80.74M	76.983M				
6785MHz	Pass	Inf	81.84M	77.198M	80.52M	76.915M				
802.11ax HEW160-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	162.36M	154.69M	162.36M	154.816M				
6185MHz	Pass	Inf	163.24M	154.933M	161.92M	154.274M				
6345MHz	Pass	Inf	161.92M	154.477M	162.36M	154.726M				
6665MHz	Pass	Inf	161.48M	154.122M	163.68M	154.903M				
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	21.725M	19.034M	21.45M	18.984M	21.12M	19.03M	21.615M	19.018M
6195MHz	Pass	Inf	21.56M	19.071M	21.12M	19.049M	21.23M	19.018M	21.285M	19.052M
6415MHz	Pass	Inf	21.23M	19.008M	21.23M	19.026M	21.065M	19.055M	21.12M	18.995M
6535MHz	Pass	Inf	21.23M	19.024M	21.395M	19.077M	21.725M	19.051M	20.955M	19.051M
6695MHz	Pass	Inf	20.955M	19.036M	20.955M	19.11M	20.625M	18.968M	20.955M	19.021M
6855MHz	Pass	Inf	21.395M	19.031M	21.12M	19.044M	21.12M	19.016M	21.34M	19.027M
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	39.05M	37.678M	39.16M	37.704M	39.27M	37.553M	38.94M	37.623M
6205MHz	Pass	Inf	39.05M	37.433M	39.49M	37.263M	39.71M	37.662M	39.71M	37.61M
6405MHz	Pass	Inf	39.16M	37.252M	38.5M	36.987M	39.71M	37.605M	39.82M	37.603M
6565MHz	Pass	Inf	39.82M	37.368M	39.05M	37.189M	38.94M	36.986M	39.05M	37.601M
6685MHz	Pass	Inf	38.72M	37.475M	39.27M	37.588M	39.27M	37.345M	39.27M	37.595M
6845MHz	Pass	Inf	39.27M	37.306M	39.6M	37.287M	39.6M	37.745M	39.05M	37.589M
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	80.08M	76.257M	80.74M	75.196M	80.3M	75.793M	89.1M	76.8M
6225MHz	Pass	Inf	79.86M	76.368M	80.3M	76.304M	80.74M	76.376M	81.18M	76.781M
6385MHz	Pass	Inf	81.18M	77.078M	80.74M	76.833M	80.52M	76.698M	80.74M	77.069M
6625MHz	Pass	Inf	79.86M	76.107M	81.18M	75.254M	80.96M	76.678M	81.18M	77.074M
6705MHz	Pass	Inf	80.3M	76.781M	80.52M	76.228M	80.52M	76.477M	81.84M	77.112M
6785MHz	Pass	Inf	80.96M	77.087M	80.96M	76.929M	79.86M	76.881M	81.18M	77.096M
802.11ax HEW160-BF_Nss1,(MCS3)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	162.36M	154.905M	161.92M	154.428M	162.8M	154.475M	162.8M	154.689M
6185MHz	Pass	Inf	162.8M	154.486M	161.92M	154.056M	161.92M	154.813M	161.92M	154.418M
6345MHz	Pass	Inf	161.92M	153.757M	161.92M	155.244M	163.68M	155.119M	164.56M	154.712M
6665MHz	Pass	Inf	164.12M	154.932M	162.36M	154.656M	162.36M	154.558M	163.68M	154.757M

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-BF_Nss1,(MCS3)_2TX **EBW**

5955MHz

11/09/2023

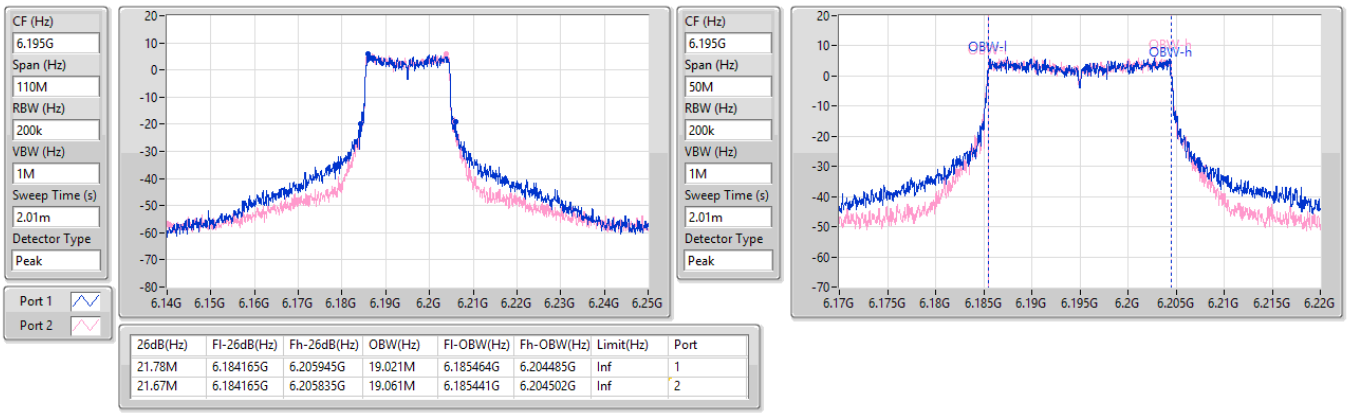


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.285M	5.944165G	5.96545G	19.026M	5.945491G	5.964517G	Inf	1
20.79M	5.944605G	5.965395G	19.047M	5.945442G	5.964489G	Inf	2

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX **EBW**

6195MHz

11/09/2023

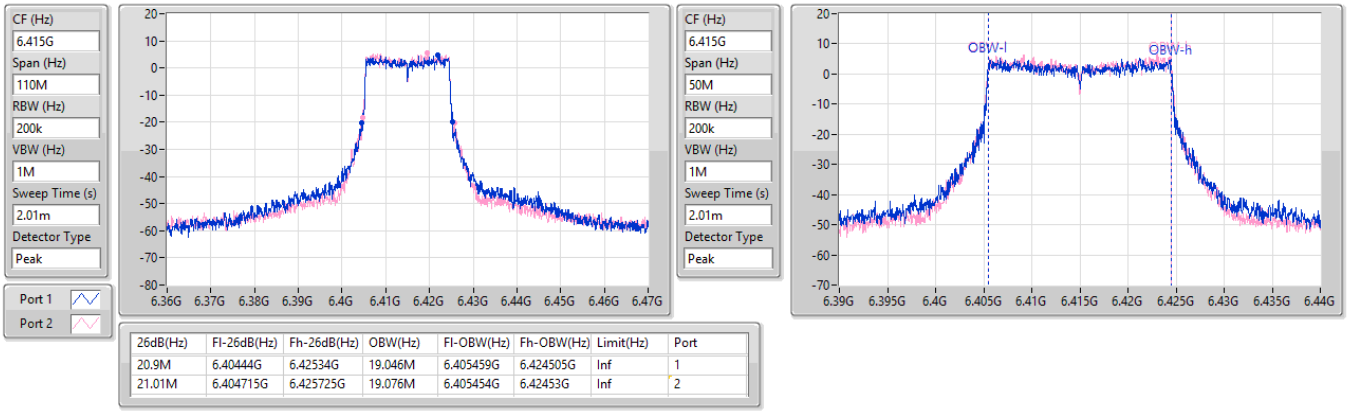


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	6.184165G	6.205945G	19.021M	6.185464G	6.204485G	Inf	1
21.67M	6.184165G	6.205835G	19.061M	6.185441G	6.204502G	Inf	2

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX **EBW**

6415MHz

11/09/2023

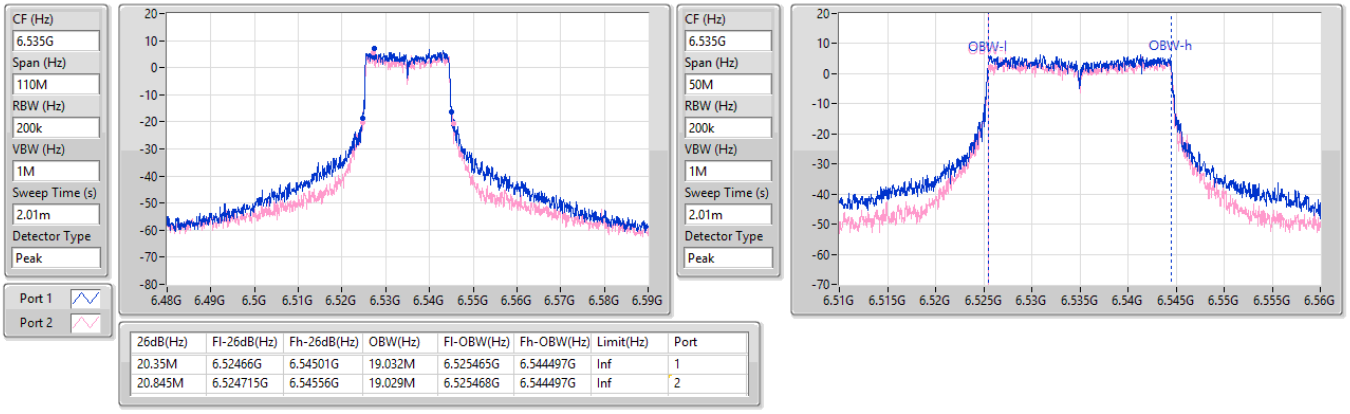


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.9M	6.40444G	6.42534G	19.046M	6.405459G	6.424505G	Inf	1
21.01M	6.404715G	6.425725G	19.076M	6.405454G	6.42453G	Inf	2

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX **EBW**

6535MHz

11/09/2023

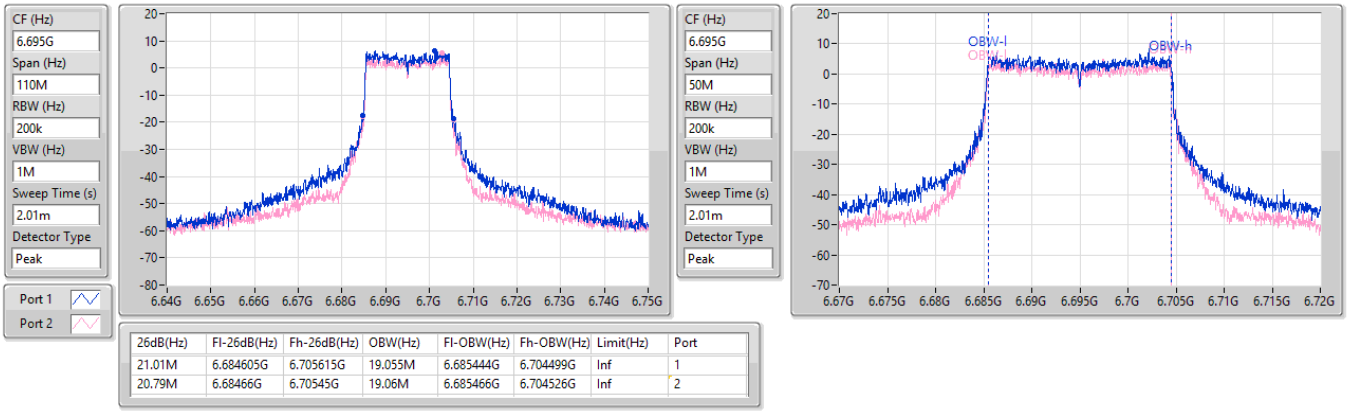


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.35M	6.52466G	6.54501G	19.032M	6.525465G	6.544497G	Inf	1
20.845M	6.524715G	6.54556G	19.029M	6.525468G	6.544497G	Inf	2

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX **EBW**

6695MHz

11/09/2023

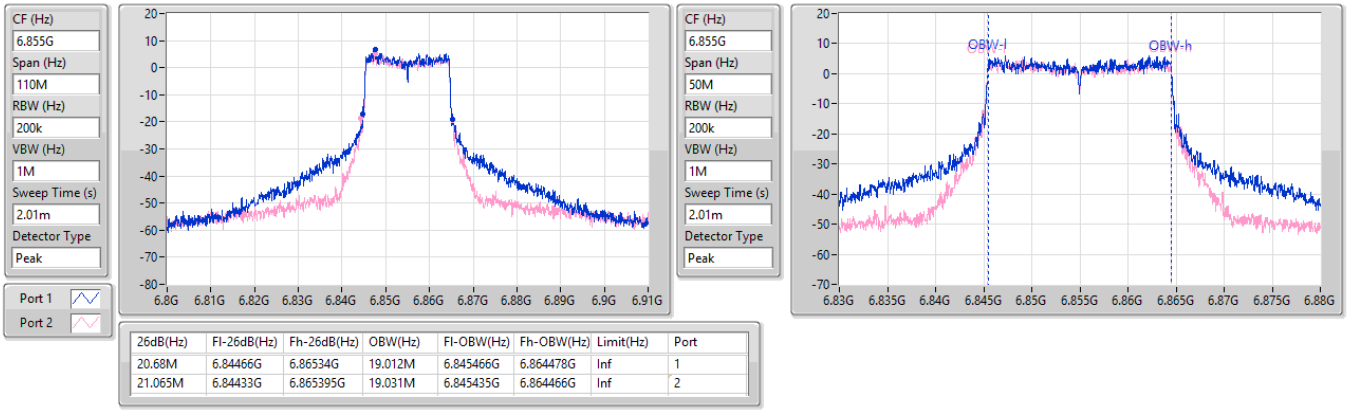


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.01M	6.684605G	6.705615G	19.055M	6.685444G	6.704499G	Inf	1
20.79M	6.68466G	6.70545G	19.06M	6.685466G	6.704526G	Inf	2

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX **EBW**

6855MHz

11/09/2023

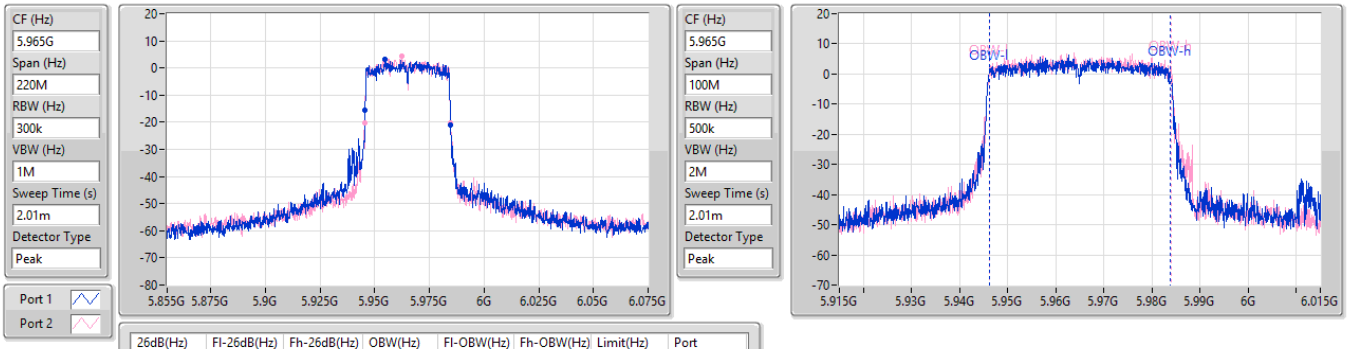


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.68M	6.84466G	6.86534G	19.012M	6.845466G	6.864478G	Inf	1
21.065M	6.84433G	6.865395G	19.031M	6.845435G	6.864466G	Inf	2

5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX **EBW**

5965MHz

11/09/2023

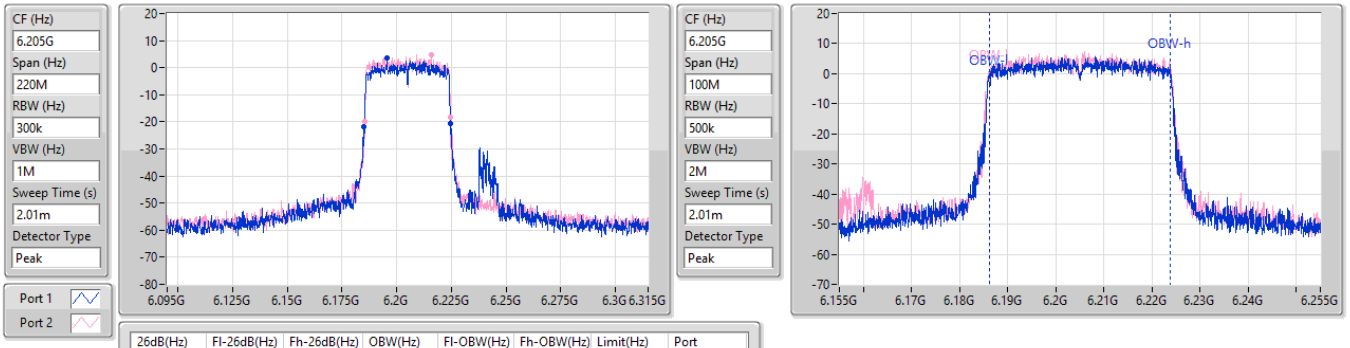


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.16M	5.94564G	5.9848G	37.643M	5.946164G	5.983808G	Inf	1
39.27M	5.94542G	5.98469G	37.72M	5.946205G	5.983924G	Inf	2

5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX **EBW**

6205MHz

11/09/2023

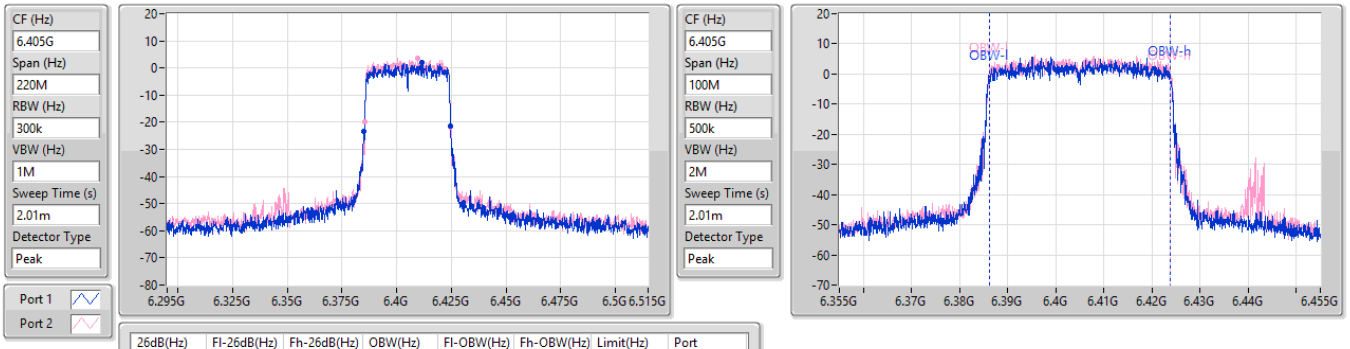


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	6.18509G	6.22469G	37.615M	6.18623G	6.223845G	Inf	1
39.49M	6.1852G	6.22469G	37.73M	6.186139G	6.223869G	Inf	2

5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX **EBW**

6405MHz

11/09/2023

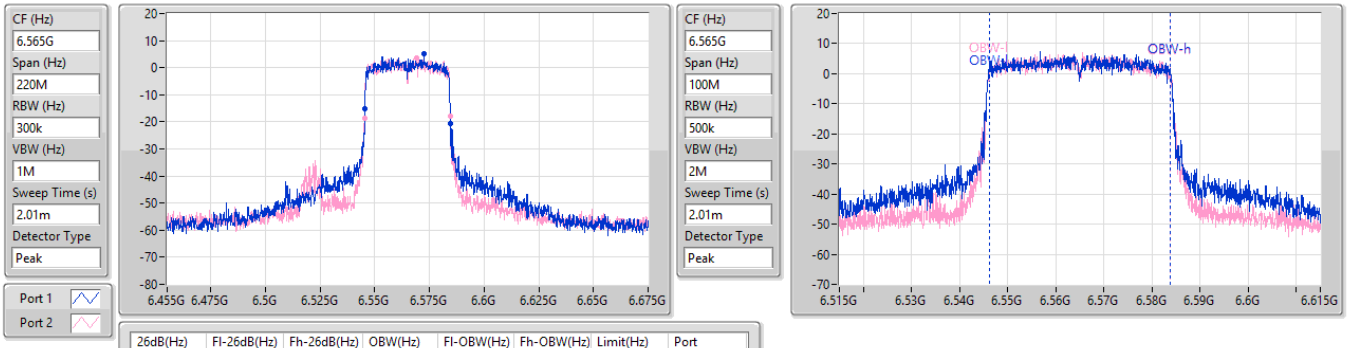


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.82M	6.38487G	6.42469G	37.683M	6.386108G	6.423791G	Inf	1
39.27M	6.38553G	6.4248G	37.54M	6.386255G	6.423795G	Inf	2

6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX **EBW**

6565MHz

11/09/2023

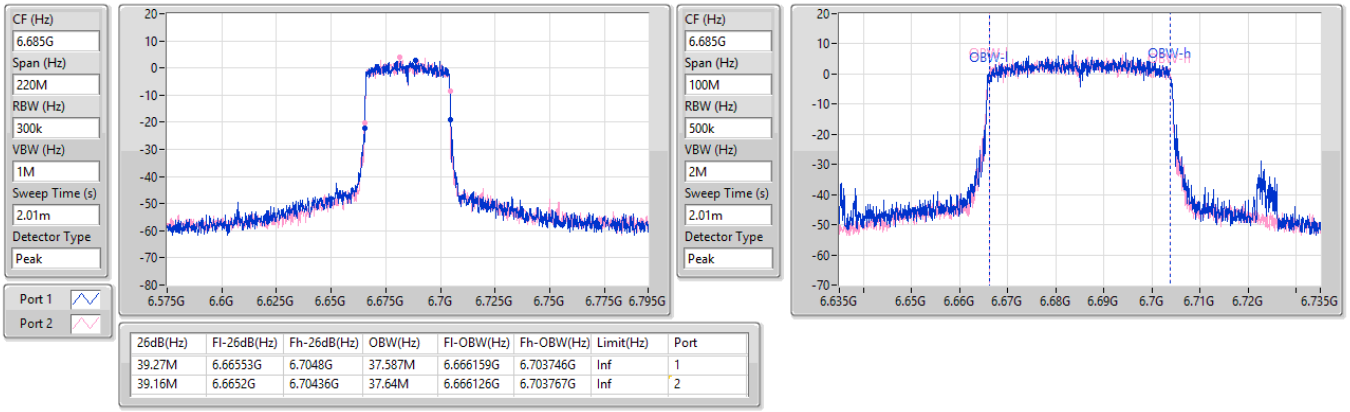


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.27M	6.54531G	6.58458G	37.63M	6.546152G	6.583782G	Inf	1
39.49M	6.5452G	6.58469G	37.605M	6.546167G	6.583773G	Inf	2

6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX **EBW**

6685MHz

11/09/2023

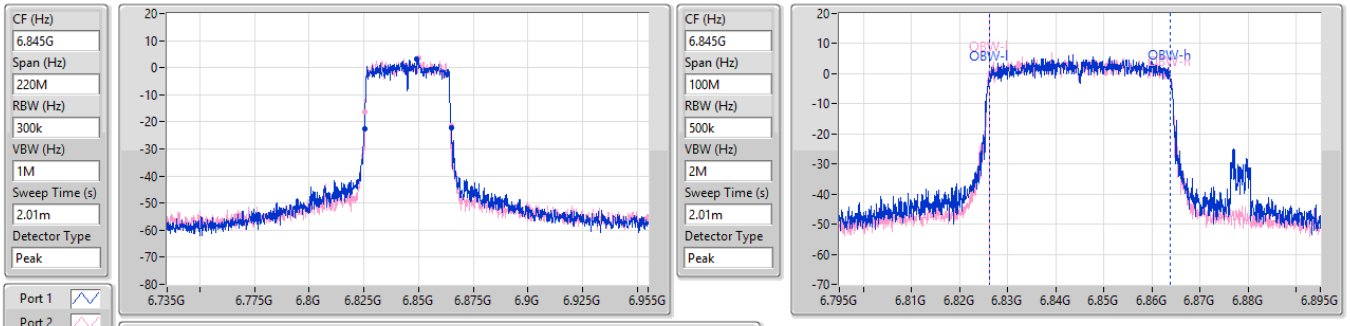


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.27M	6.66553G	6.7048G	37.587M	6.666159G	6.703746G	Inf	1
39.16M	6.6652G	6.70436G	37.64M	6.666126G	6.703767G	Inf	2

6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX **EBW**

6845MHz

11/09/2023

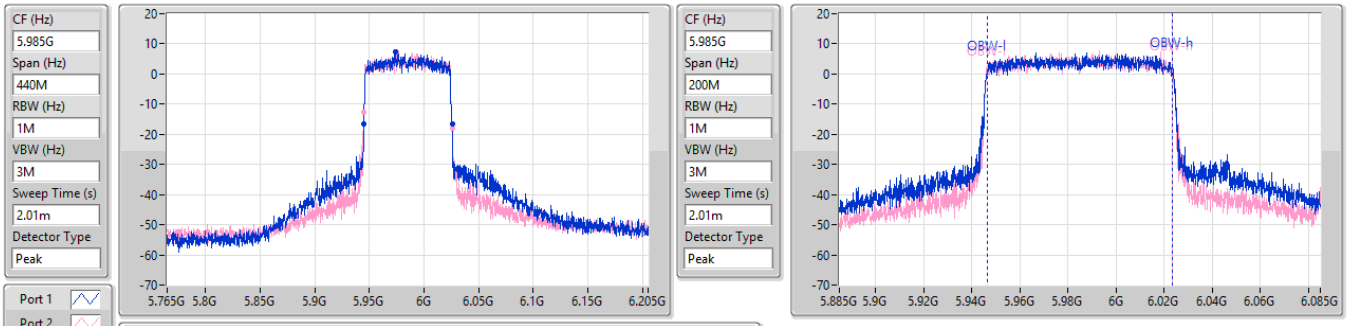


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.71M	6.8252G	6.86491G	37.517M	6.826228G	6.863745G	Inf	1
39.49M	6.82542G	6.86491G	37.634M	6.826124G	6.863758G	Inf	2

5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS3)_2TX **EBW**

5985MHz

11/09/2023

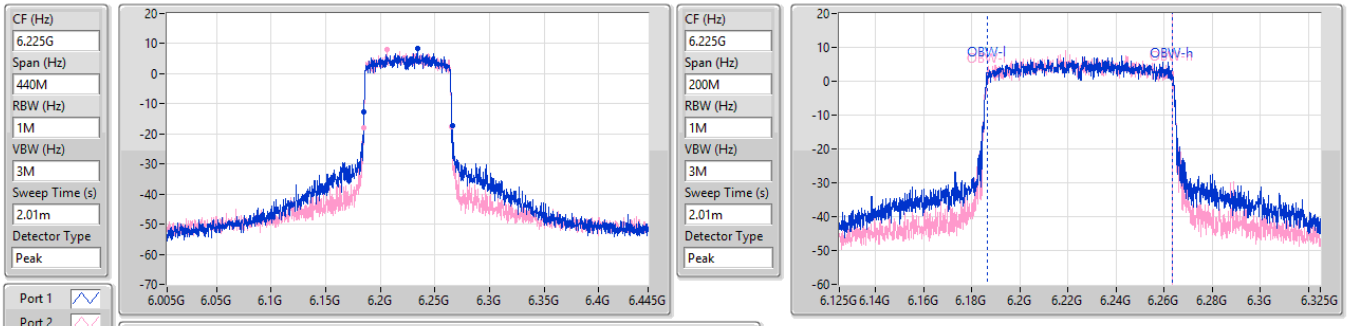


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.74M	5.94496G	6.0257G	76.98M	5.946547G	6.023527G	Inf	1
81.4M	5.94474G	6.02614G	77.002M	5.946502G	6.023503G	Inf	2

5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS3)_2TX **EBW**

6225MHz

11/09/2023

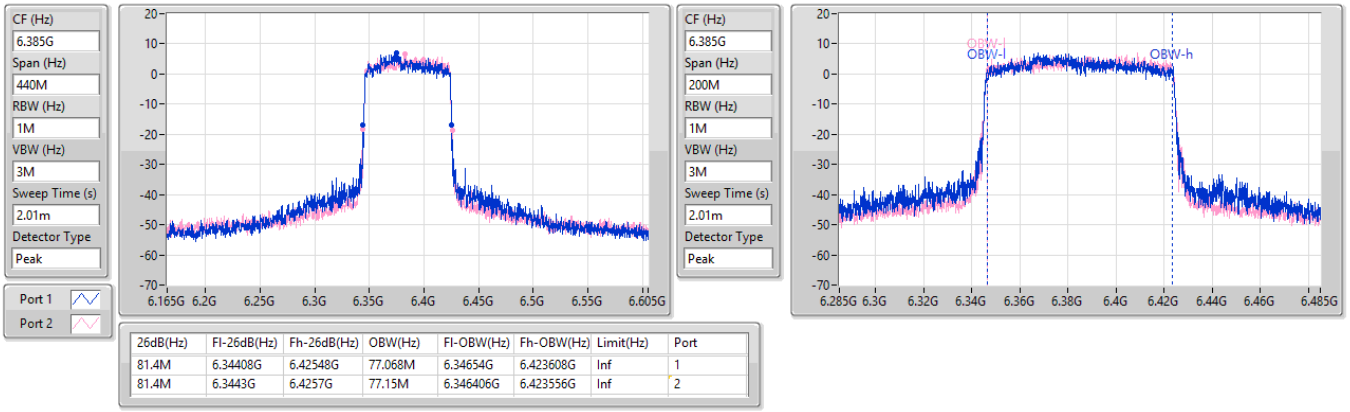


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.96M	6.18496G	6.26592G	77.107M	6.186436G	6.263543G	Inf	1
80.74M	6.18474G	6.26548G	77.048M	6.186462G	6.26351G	Inf	2

5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS3)_2TX **EBW**

6385MHz

11/09/2023

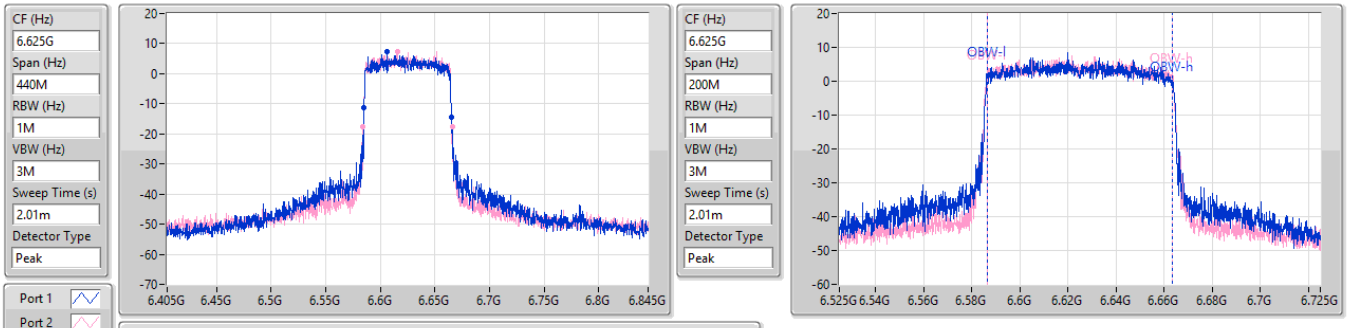


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.4M	6.34408G	6.42548G	77.068M	6.34654G	6.423608G	Inf	1
81.4M	6.3443G	6.4257G	77.15M	6.346406G	6.423556G	Inf	2

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS3)_2TX **EBW**

6625MHz

11/09/2023

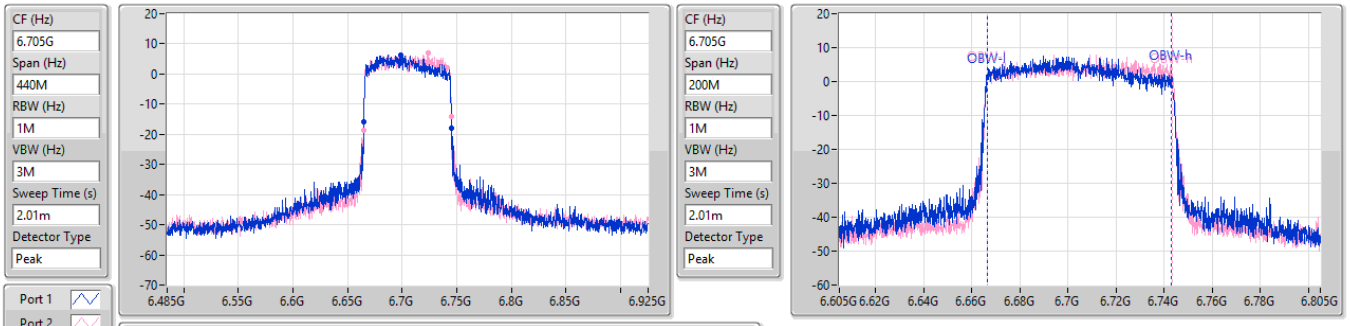


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.3M	6.58496G	6.66526G	76.971M	6.586431G	6.663401G	Inf	1
81.62M	6.5843G	6.66592G	77.065M	6.586436G	6.663501G	Inf	2

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS3)_2TX **EBW**

6705MHz

11/09/2023

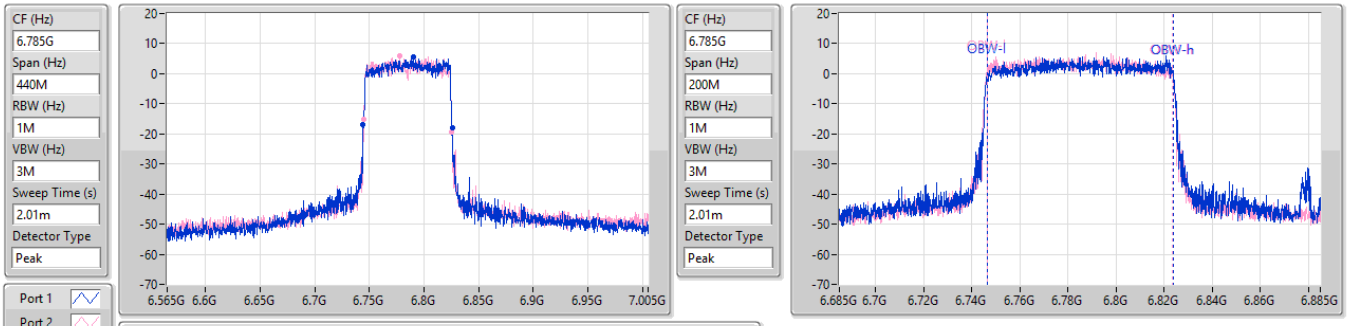


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.3M	6.66496G	6.74526G	76.69M	6.666469G	6.743159G	Inf	1
80.74M	6.66452G	6.74526G	76.983M	6.666529G	6.743512G	Inf	2

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS3)_2TX **EBW**

6785MHz

11/09/2023

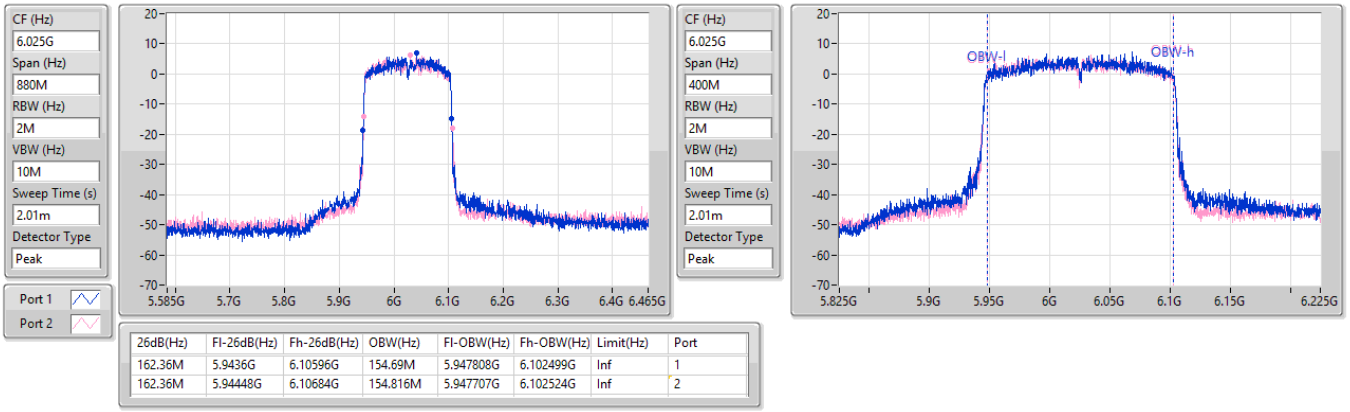


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	6.74386G	6.8257G	77.198M	6.746586G	6.823784G	Inf	1
80.52M	6.74496G	6.82548G	76.915M	6.746504G	6.823419G	Inf	2

5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS3)_2TX **EBW**

6025MHz

11/09/2023

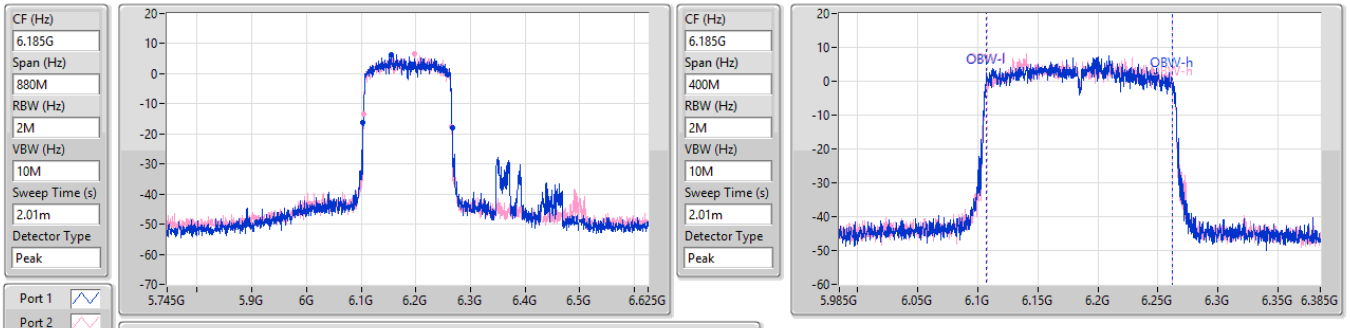


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
162.36M	5.9436G	6.10596G	154.69M	5.947808G	6.102499G	Inf	1
162.36M	5.94448G	6.10684G	154.816M	5.947707G	6.102524G	Inf	2

5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS3)_2TX **EBW**

6185MHz

11/09/2023

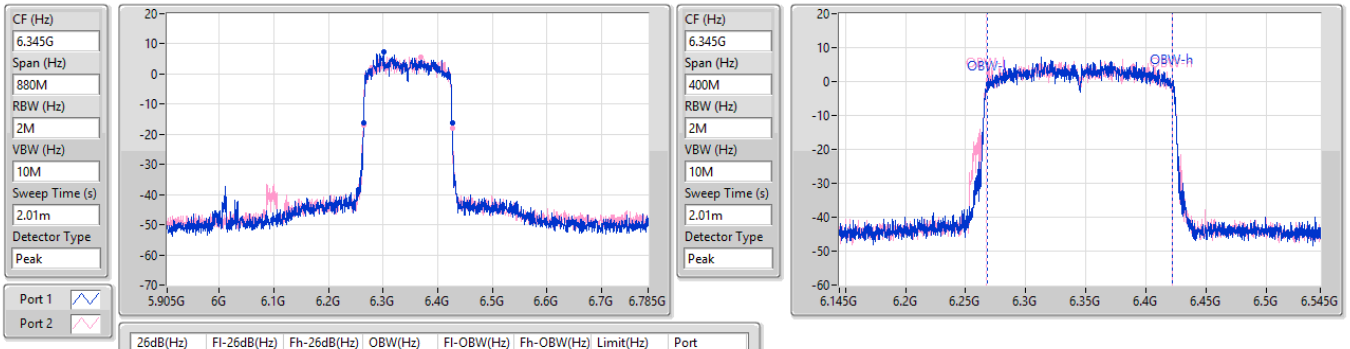


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.24M	6.10316G	6.2664G	154.933M	6.107303G	6.262236G	Inf	1
161.92M	6.10404G	6.26596G	154.274M	6.107851G	6.262125G	Inf	2

5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS3)_2TX **EBW**

6345MHz

11/09/2023

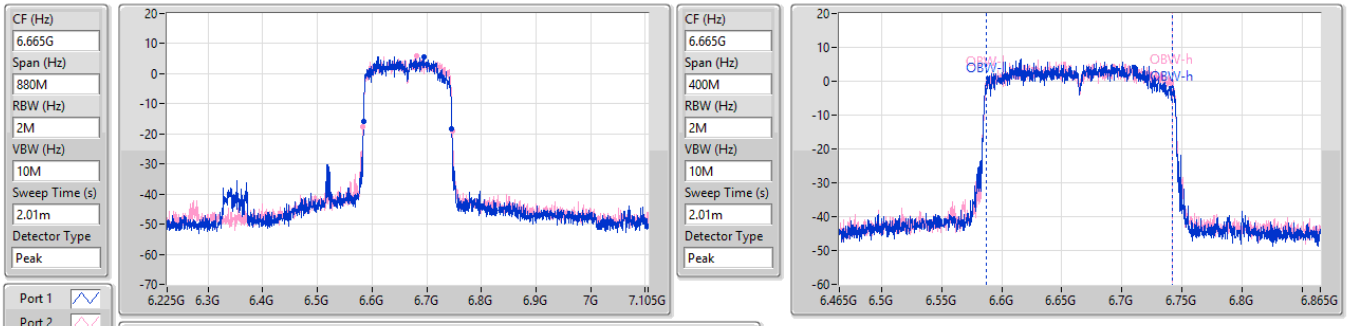


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
161.92M	6.26448G	6.4264G	154.477M	6.267838G	6.422315G	Inf	1
162.36M	6.26404G	6.4264G	154.726M	6.267534G	6.42226G	Inf	2

6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS3)_2TX **EBW**

6665MHz

11/09/2023

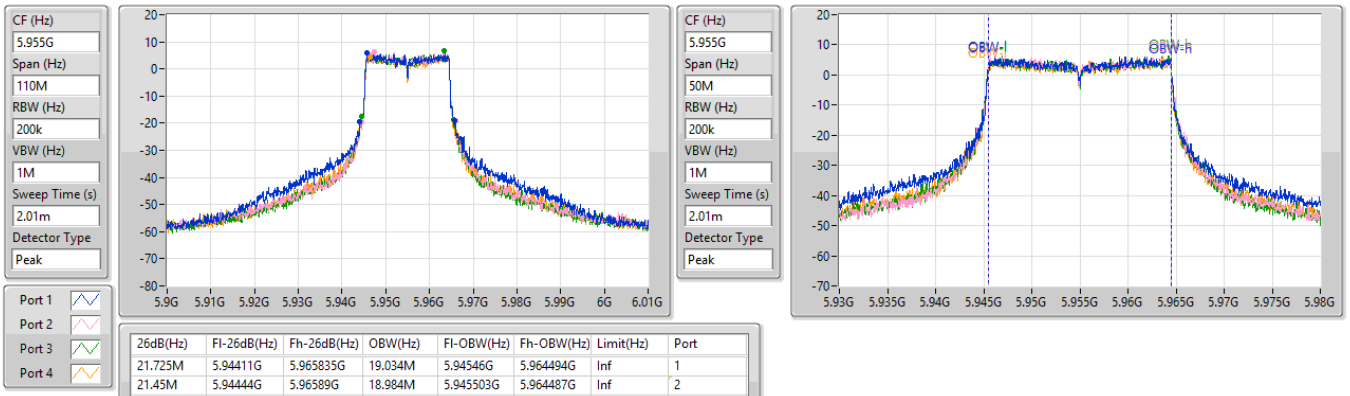


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
161.48M	6.58404G	6.74552G	154.122M	6.587394G	6.741517G	Inf	1
163.68M	6.58316G	6.74684G	154.903M	6.587448G	6.742351G	Inf	2

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS3)_4TX **EBW**

5955MHz

11/09/2023

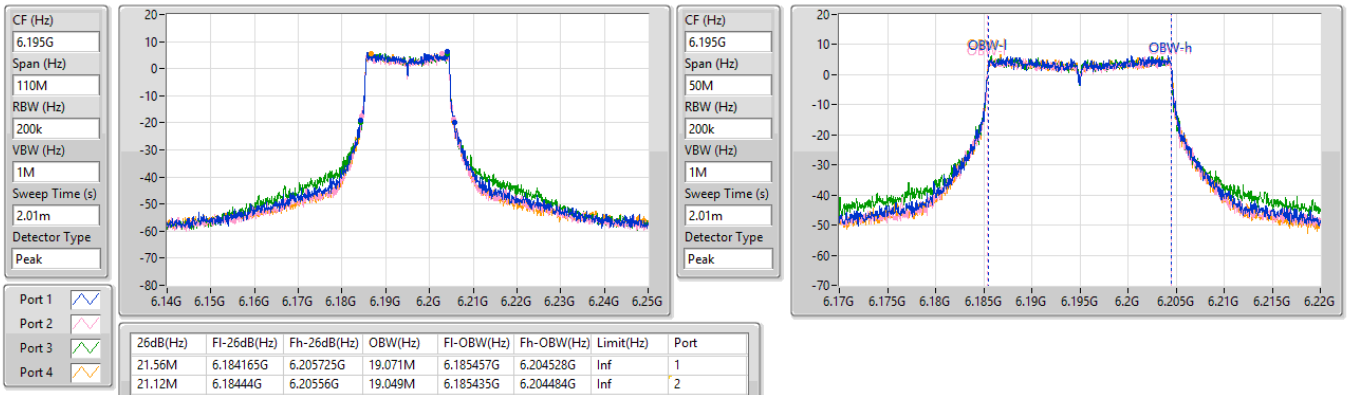


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.94411G	5.965835G	19.034M	5.94546G	5.964494G	Inf	1
21.45M	5.94444G	5.96589G	18.984M	5.945503G	5.964487G	Inf	2
21.12M	5.944385G	5.965505G	19.03M	5.945448G	5.964478G	Inf	3
21.615M	5.94411G	5.965725G	19.018M	5.945463G	5.964481G	Inf	4

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS3)_4TX **EBW**

6195MHz

11/09/2023

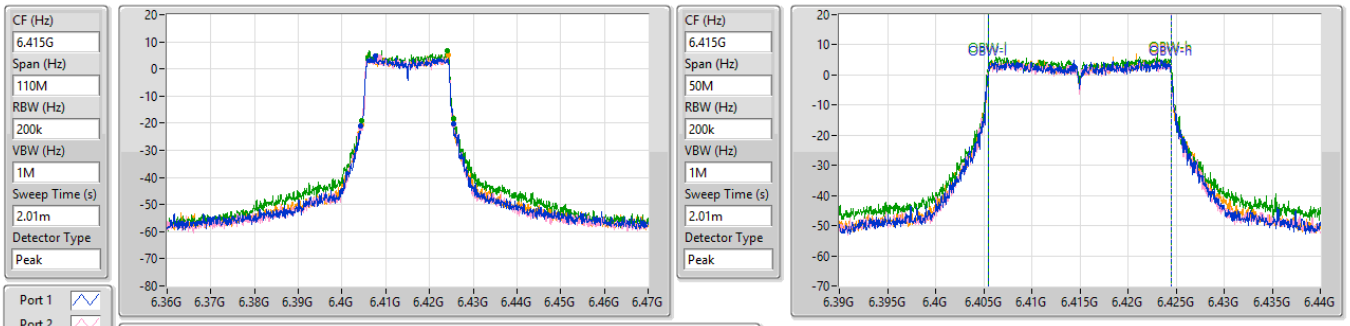


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.56M	6.184165G	6.205725G	19.071M	6.185457G	6.204528G	Inf	1
21.12M	6.18444G	6.20556G	19.049M	6.185435G	6.204484G	Inf	2
21.23M	6.18433G	6.20556G	19.018M	6.185456G	6.204474G	Inf	3
21.285M	6.18433G	6.205615G	19.052M	6.185439G	6.204491G	Inf	4

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS3)_4TX **EBW**

6415MHz

11/09/2023

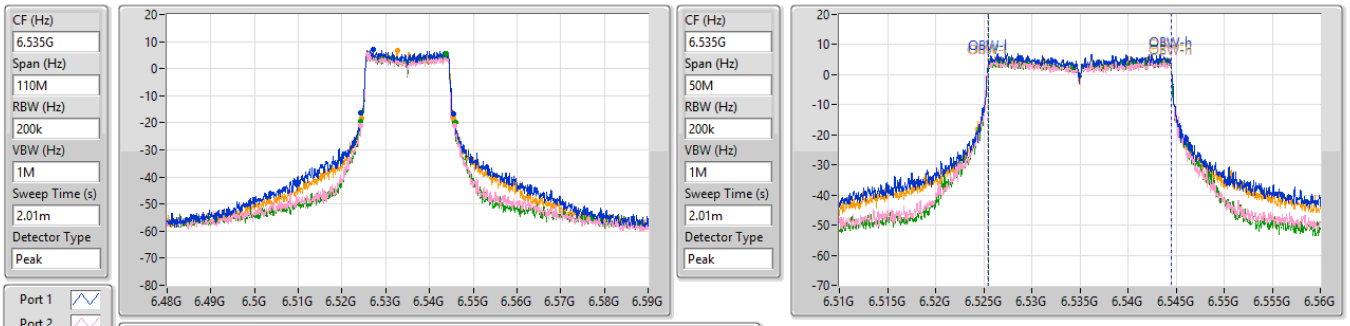


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.23M	6.404275G	6.425505G	19.008M	6.405472G	6.424481G	Inf	1
21.23M	6.404275G	6.425505G	19.026M	6.405464G	6.42449G	Inf	2
21.065M	6.404385G	6.42545G	19.055M	6.405446G	6.424501G	Inf	3
21.12M	6.404385G	6.425505G	18.995M	6.40547G	6.424464G	Inf	4

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS3)_4TX **EBW**

6535MHz

11/09/2023

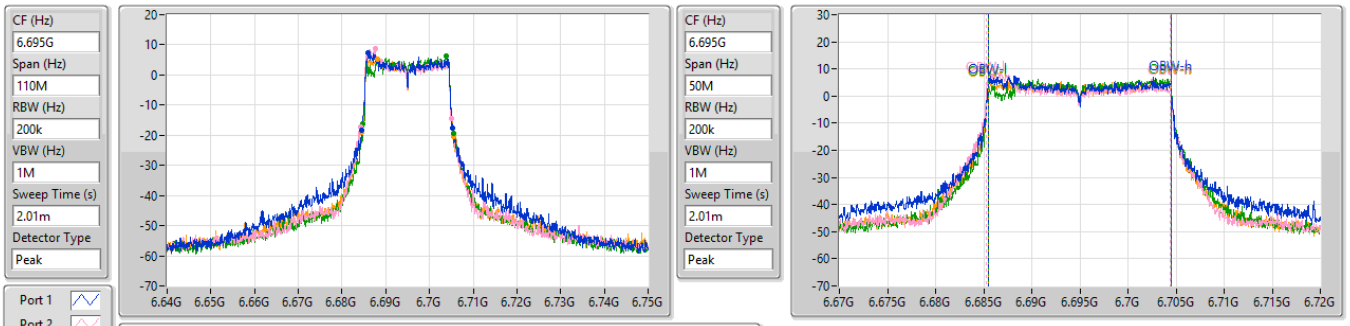


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.23M	6.524275G	6.545505G	19.024M	6.525447G	6.544471G	Inf	1
21.395M	6.52433G	6.545725G	19.077M	6.525431G	6.544508G	Inf	2
21.725M	6.52422G	6.545945G	19.051M	6.525445G	6.544496G	Inf	3
20.955M	6.524495G	6.54545G	19.051M	6.525426G	6.544476G	Inf	4

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS3)_4TX **EBW**

6695MHz

11/09/2023

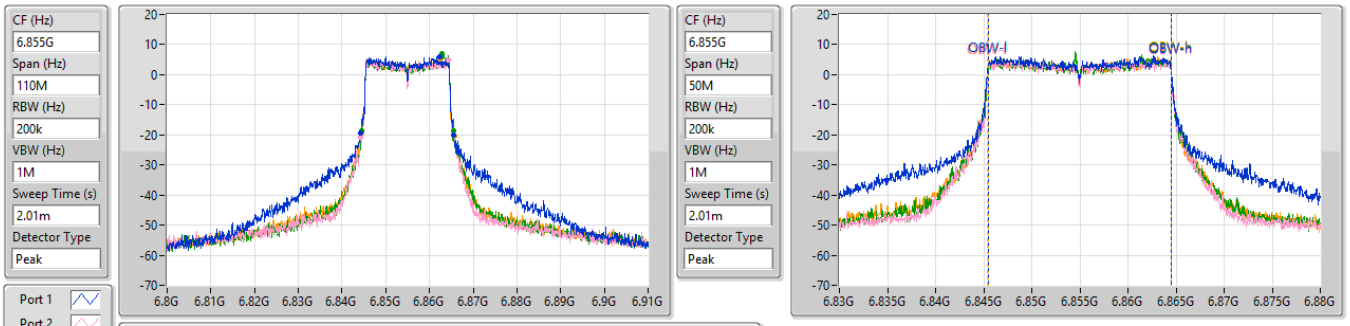


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.955M	6.68444G	6.705395G	19.036M	6.68544G	6.704476G	Inf	1
20.955M	6.684165G	6.70512G	19.11M	6.685329G	6.704439G	Inf	2
20.625M	6.684825G	6.70545G	18.968M	6.68552G	6.704489G	Inf	3
20.955M	6.684495G	6.70545G	19.021M	6.685448G	6.704469G	Inf	4

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS3)_4TX **EBW**

6855MHz

11/09/2023

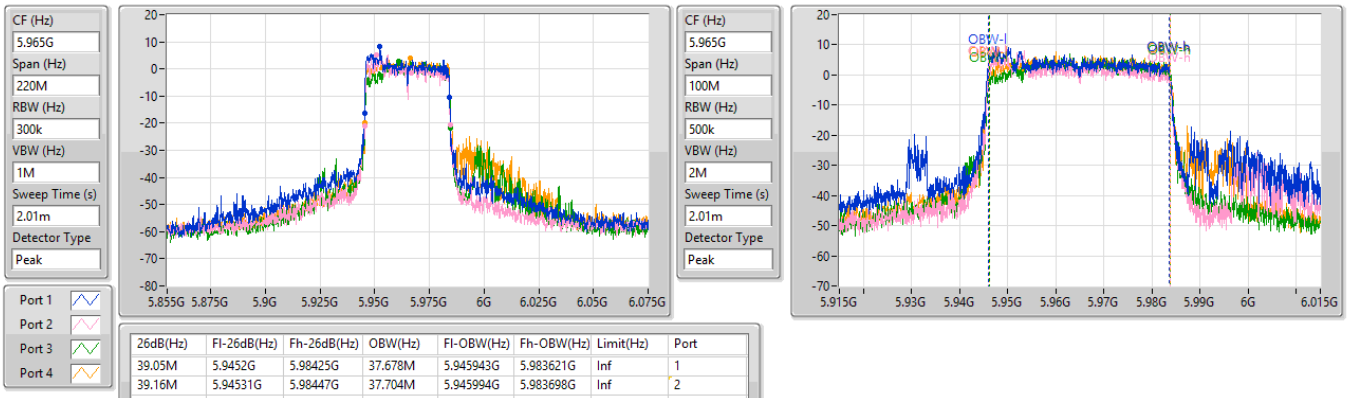


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.395M	6.844165G	6.86556G	19.031M	6.845442G	6.864474G	Inf	1
21.12M	6.84433G	6.86545G	19.044M	6.845439G	6.864483G	Inf	2
21.12M	6.84444G	6.86556G	19.016M	6.845456G	6.864472G	Inf	3
21.34M	6.844385G	6.865725G	19.027M	6.845446G	6.864473G	Inf	4

5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS3)_4TX **EBW**

5965MHz

11/09/2023

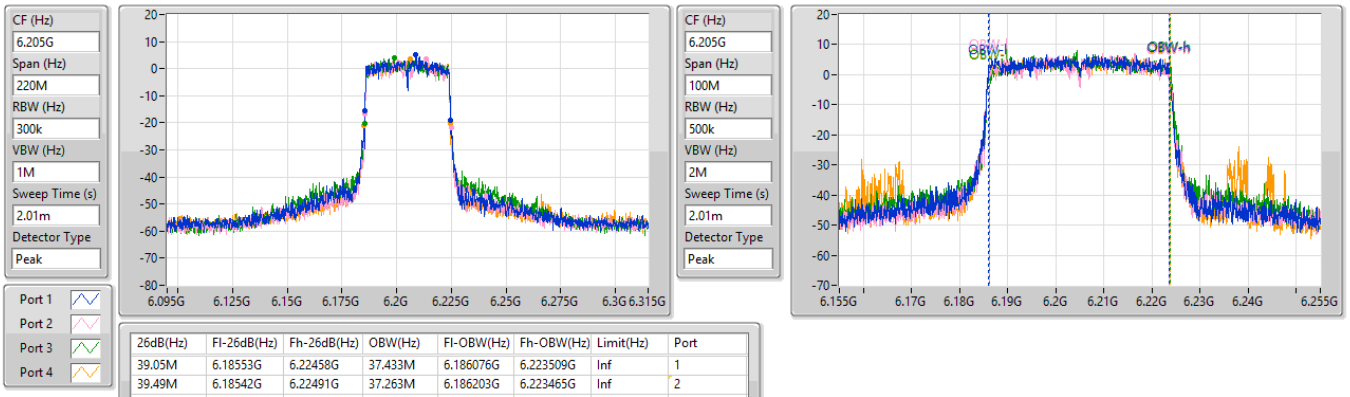


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.05M	5.9452G	5.98425G	37.678M	5.945943G	5.983621G	Inf	1
39.16M	5.94531G	5.98447G	37.704M	5.945994G	5.983698G	Inf	2
39.27M	5.94542G	5.98469G	37.553M	5.946296G	5.983848G	Inf	3
38.94M	5.94553G	5.98447G	37.623M	5.946201G	5.983824G	Inf	4

5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS3)_4TX **EBW**

6205MHz

11/09/2023

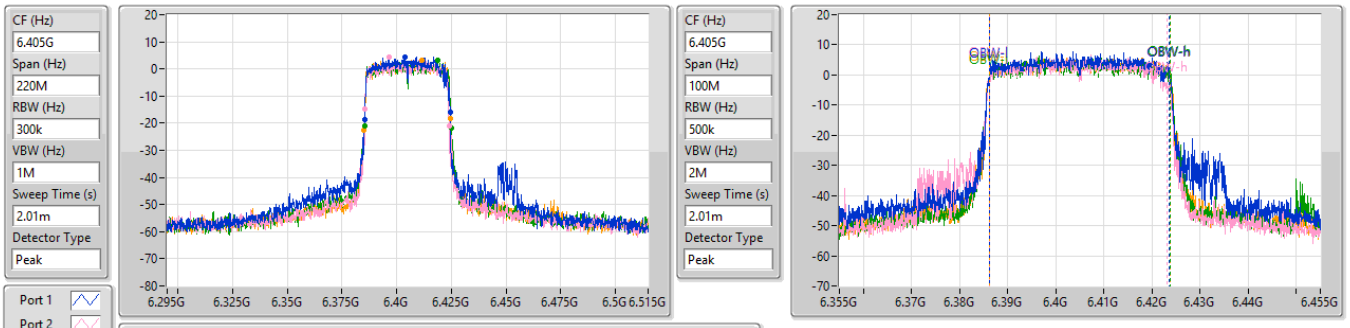


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.05M	6.18553G	6.22458G	37.433M	6.186076G	6.223509G	Inf	1
39.49M	6.18542G	6.22491G	37.263M	6.186203G	6.223465G	Inf	2
39.71M	6.1852G	6.22491G	37.662M	6.186207G	6.223869G	Inf	3
39.71M	6.18498G	6.22469G	37.61M	6.186185G	6.223795G	Inf	4

5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS3)_4TX **EBW**

6405MHz

11/09/2023

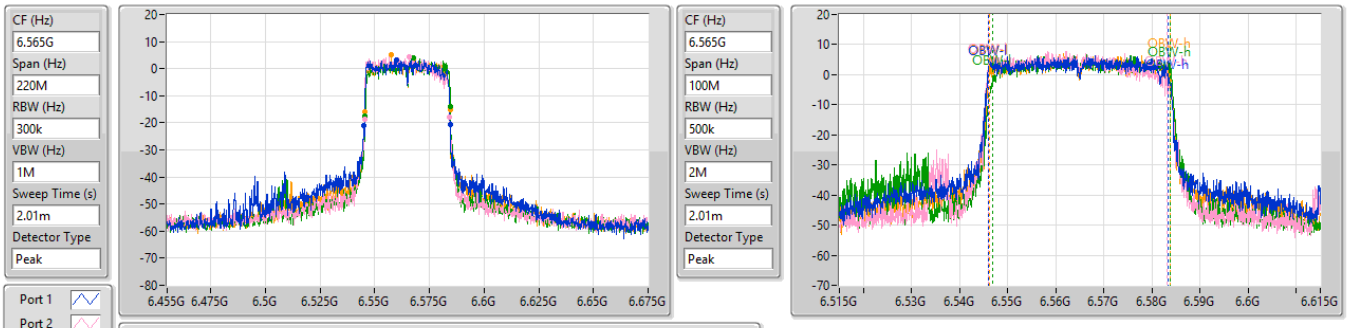


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.16M	6.3852G	6.42436G	37.252M	6.386309G	6.423561G	Inf	1
38.5M	6.38553G	6.42403G	36.987M	6.386244G	6.423231G	Inf	2
39.71M	6.38531G	6.42502G	37.605M	6.386215G	6.42382G	Inf	3
39.82M	6.38498G	6.4248G	37.603M	6.386202G	6.423805G	Inf	4

6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS3)_4TX **EBW**

6565MHz

11/09/2023

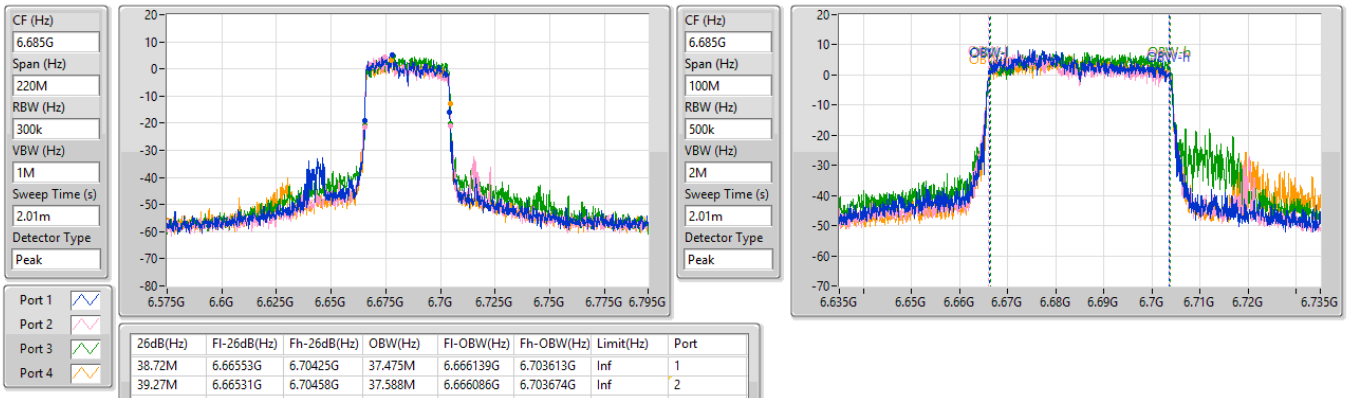


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.82M	6.54487G	6.58469G	37.368M	6.546026G	6.583394G	Inf	1
39.05M	6.5452G	6.58425G	37.189M	6.545944G	6.583134G	Inf	2
38.94M	6.54553G	6.58447G	36.986M	6.546899G	6.583885G	Inf	3
39.05M	6.54542G	6.58447G	37.601M	6.546213G	6.583814G	Inf	4

6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS3)_4TX **EBW**

6685MHz

11/09/2023

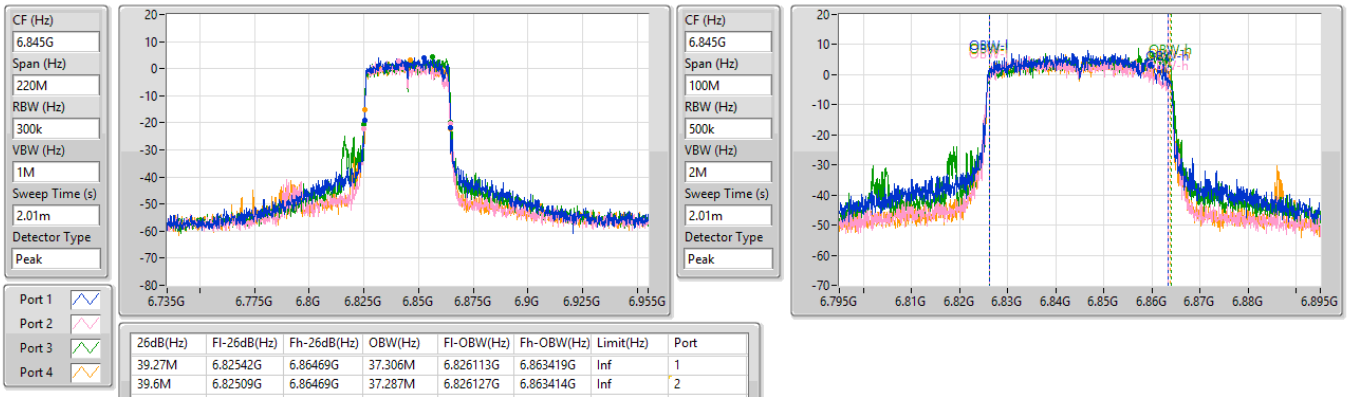


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.72M	6.66553G	6.70425G	37.475M	6.666139G	6.703613G	Inf	1
39.27M	6.66531G	6.70458G	37.588M	6.666086G	6.703674G	Inf	2
39.27M	6.66542G	6.70469G	37.345M	6.666509G	6.703853G	Inf	3
39.27M	6.6652G	6.70447G	37.595M	6.666177G	6.703772G	Inf	4

6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS3)_4TX **EBW**

6845MHz

11/09/2023

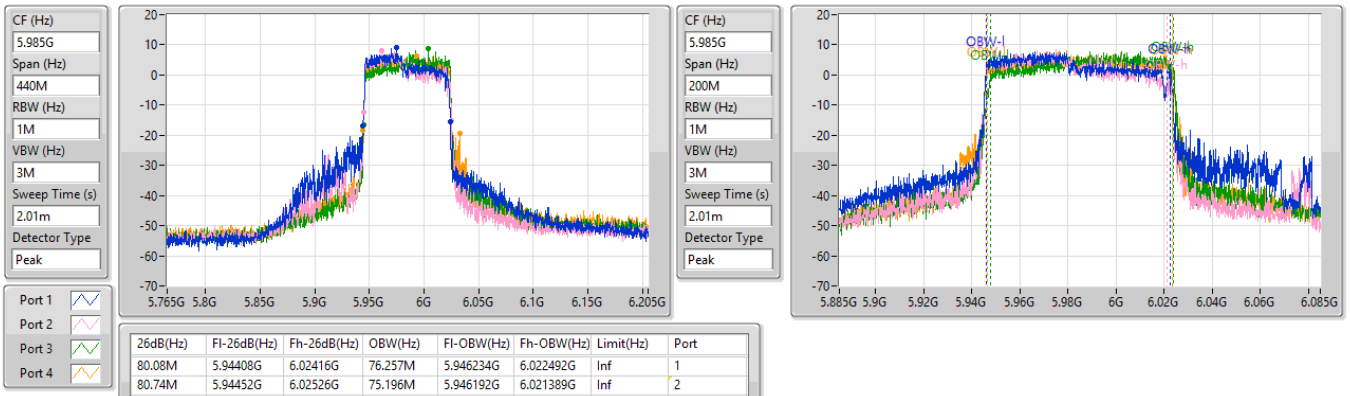


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.27M	6.82542G	6.86469G	37.306M	6.826113G	6.863419G	Inf	1
39.6M	6.82509G	6.86469G	37.287M	6.826127G	6.863414G	Inf	2
39.6M	6.82509G	6.86469G	37.745M	6.826187G	6.863932G	Inf	3
39.05M	6.82553G	6.86458G	37.589M	6.826189G	6.863777G	Inf	4

5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS3)_4TX **EBW**

5985MHz

11/09/2023

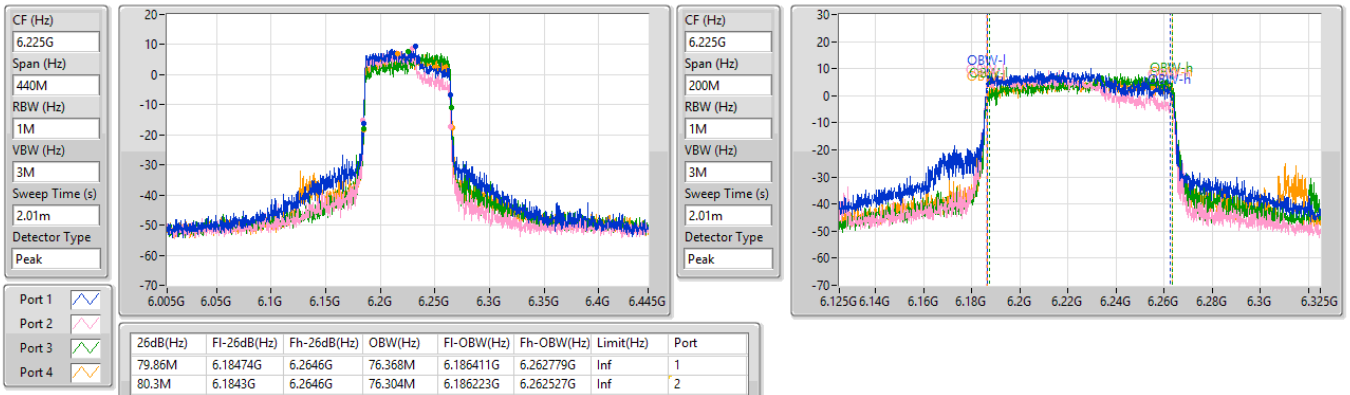


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.08M	5.94408G	6.02416G	76.257M	5.946234G	6.022492G	Inf	1
80.74M	5.94452G	6.02526G	75.196M	5.946192G	6.021389G	Inf	2
80.3M	5.94496G	6.02526G	75.793M	5.948054G	6.023848G	Inf	3
89.1M	5.94364G	6.03274G	76.8M	5.946613G	6.023413G	Inf	4

5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS3)_4TX **EBW**

6225MHz

11/09/2023

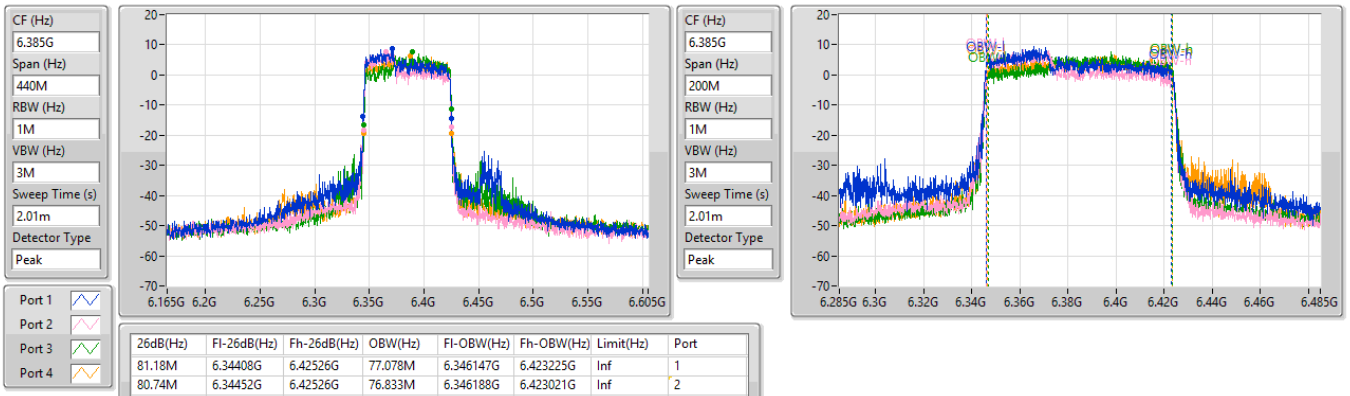


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
79.86M	6.18474G	6.2646G	76.368M	6.186411G	6.262779G	Inf	1
80.3M	6.1843G	6.2646G	76.304M	6.186223G	6.262527G	Inf	2
80.74M	6.18474G	6.26548G	76.376M	6.187284G	6.26366G	Inf	3
81.18M	6.18452G	6.2657G	76.781M	6.18661G	6.263391G	Inf	4

5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS3)_4TX **EBW**

6385MHz

11/09/2023

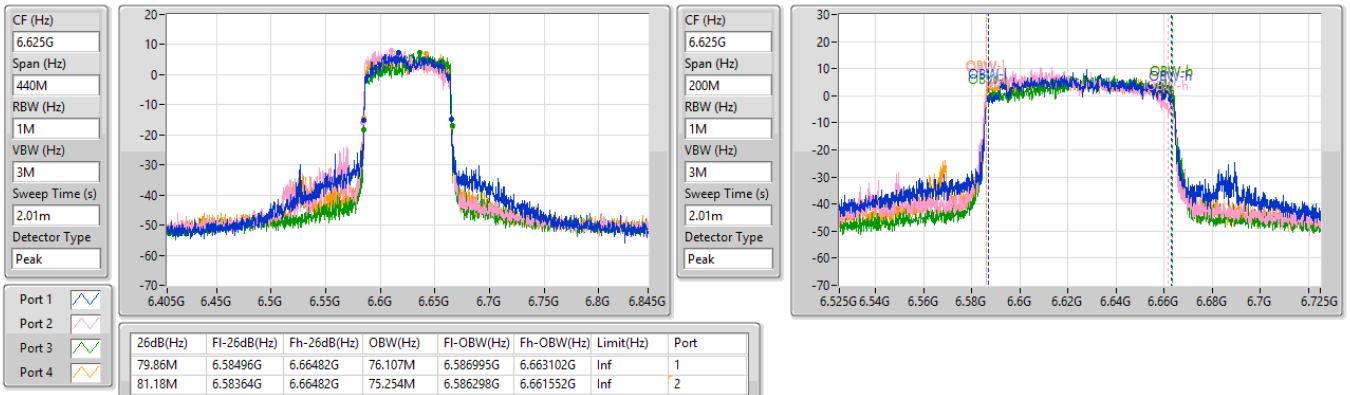


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.18M	6.34408G	6.42526G	77.078M	6.346147G	6.423225G	Inf	1
80.74M	6.34452G	6.42526G	76.833M	6.346188G	6.423021G	Inf	2
80.52M	6.34452G	6.42504G	76.698M	6.346927G	6.423625G	Inf	3
80.74M	6.34452G	6.42526G	77.069M	6.346482G	6.423551G	Inf	4

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS3)_4TX **EBW**

6625MHz

11/09/2023

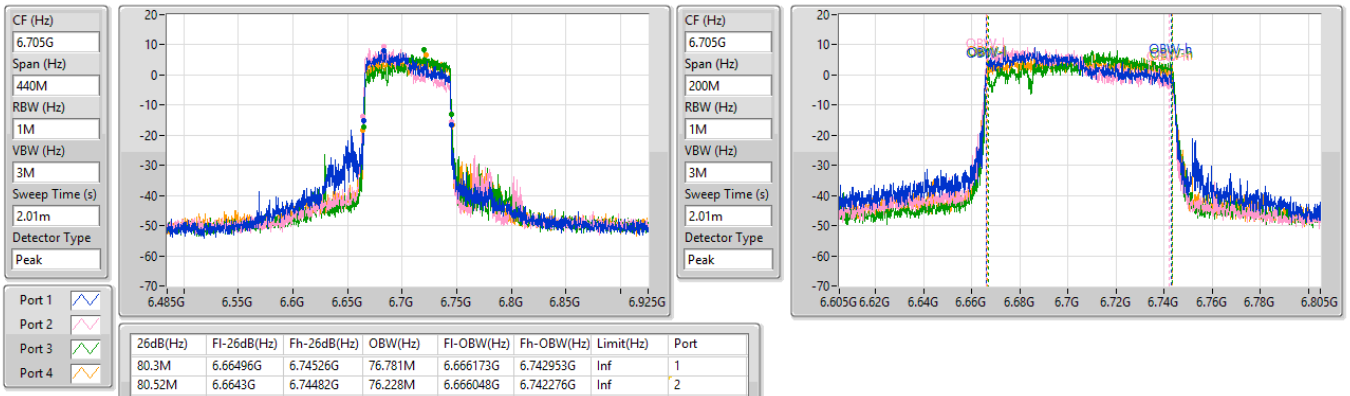


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
79.86M	6.58496G	6.66482G	76.107M	6.586995G	6.663102G	Inf	1
81.18M	6.58364G	6.66482G	75.254M	6.586298G	6.661552G	Inf	2
80.96M	6.58474G	6.6657G	76.678M	6.586981G	6.663659G	Inf	3
81.18M	6.58474G	6.66592G	77.074M	6.586303G	6.663376G	Inf	4

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS3)_4TX **EBW**

6705MHz

11/09/2023

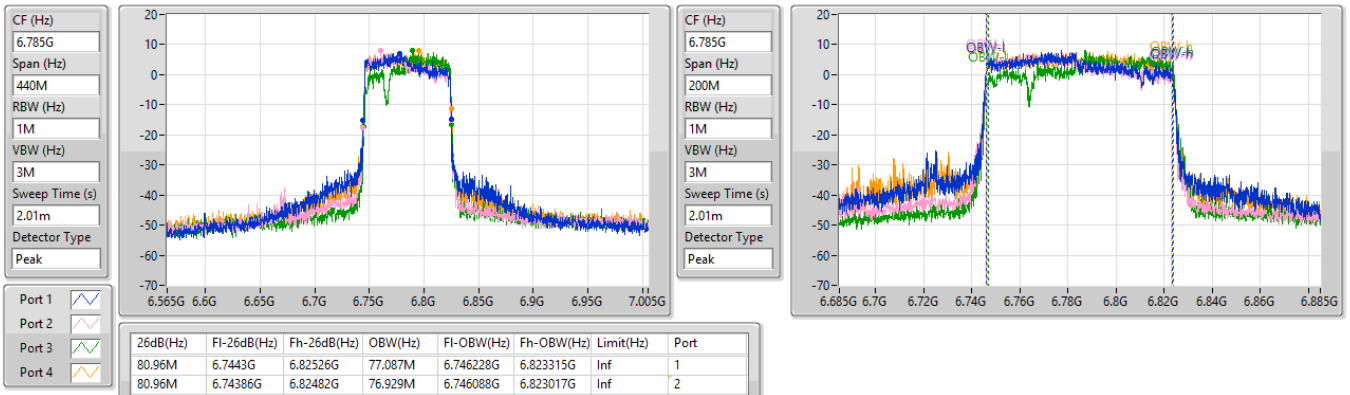


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.3M	6.66496G	6.74526G	76.781M	6.666173G	6.742953G	Inf	1
80.52M	6.6643G	6.74482G	76.228M	6.666048G	6.742276G	Inf	2
80.52M	6.66452G	6.74504G	76.477M	6.667078G	6.743555G	Inf	3
81.84M	6.66386G	6.7457G	77.112M	6.666369G	6.743481G	Inf	4

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS3)_4TX **EBW**

6785MHz

11/09/2023

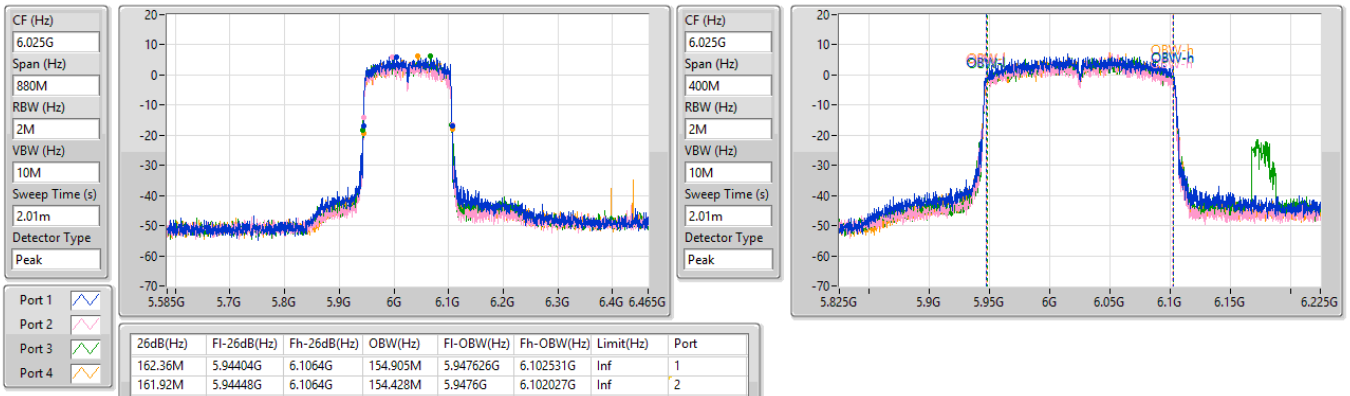


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.96M	6.7443G	6.82526G	77.087M	6.746228G	6.823315G	Inf	1
80.96M	6.74386G	6.82482G	76.929M	6.746088G	6.823017G	Inf	2
79.86M	6.74518G	6.82504G	76.881M	6.746894G	6.823775G	Inf	3
81.18M	6.7443G	6.82548G	77.096M	6.746351G	6.823447G	Inf	4

5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS3)_4TX **EBW**

6025MHz

11/09/2023

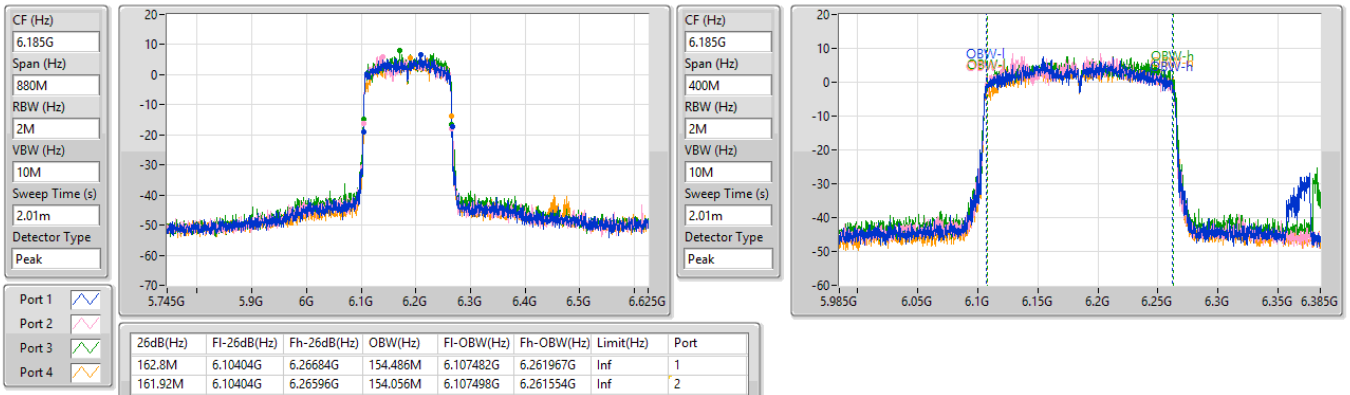


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
162.36M	5.94404G	6.1064G	154.905M	5.947626G	6.102531G	Inf	1
161.92M	5.94448G	6.1064G	154.428M	5.9476G	6.102027G	Inf	2
162.8M	5.94316G	6.10596G	154.475M	5.947941G	6.102416G	Inf	3
162.8M	5.94404G	6.10684G	154.689M	5.947995G	6.102684G	Inf	4

5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS3)_4TX **EBW**

6185MHz

11/09/2023

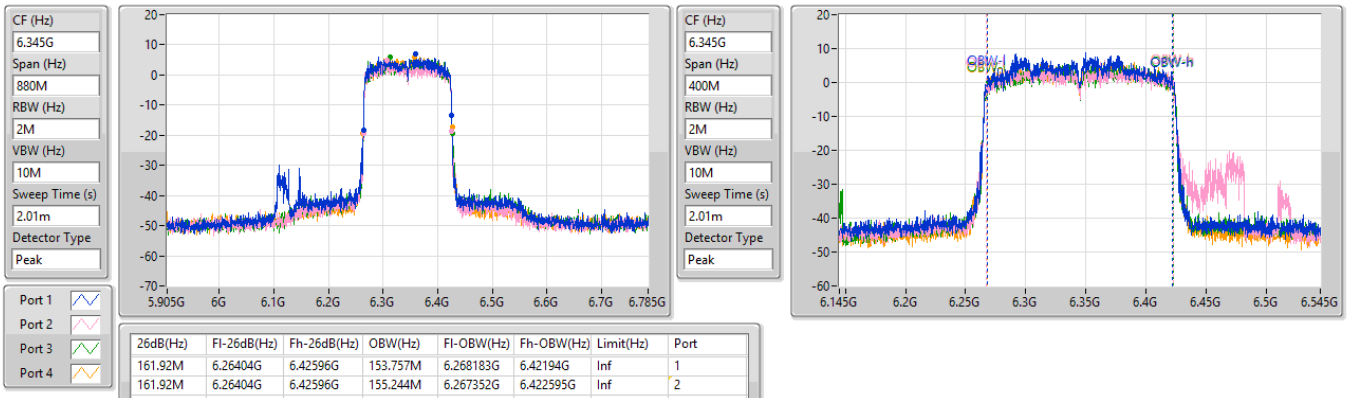


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
162.8M	6.10404G	6.26684G	154.486M	6.107482G	6.261967G	Inf	1
161.92M	6.10404G	6.26596G	154.056M	6.107498G	6.261554G	Inf	2
161.92M	6.10404G	6.26596G	154.813M	6.107897G	6.26271G	Inf	3
161.92M	6.10404G	6.26596G	154.418M	6.108009G	6.262427G	Inf	4

5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS3)_4TX **EBW**

6345MHz

11/09/2023

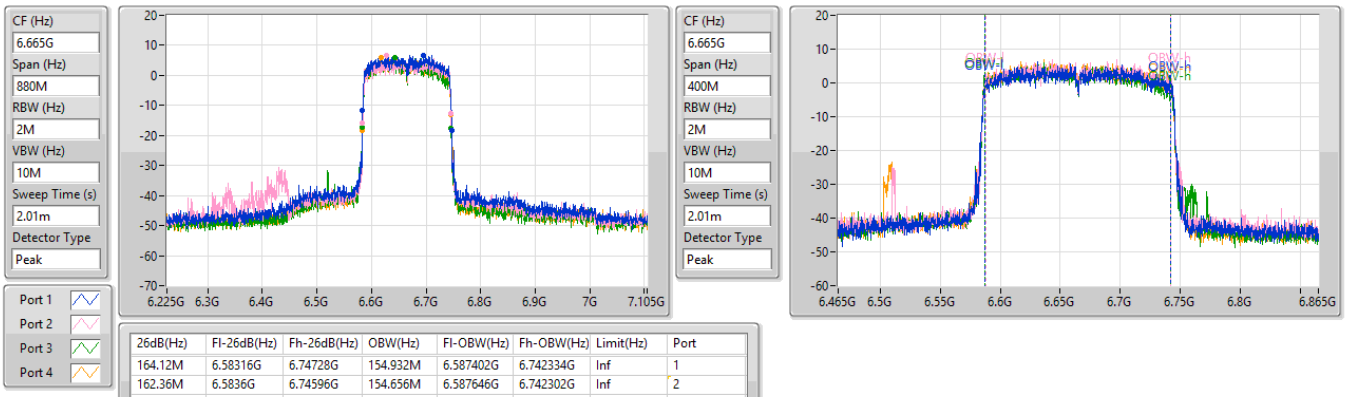


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
161.92M	6.26404G	6.42596G	153.757M	6.268183G	6.42194G	Inf	1
161.92M	6.26404G	6.42596G	155.244M	6.267352G	6.422595G	Inf	2
163.68M	6.26404G	6.42772G	155.119M	6.267682G	6.422801G	Inf	3
164.56M	6.26228G	6.42684G	154.712M	6.267799G	6.422511G	Inf	4

6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS3)_4TX **EBW**

6665MHz

11/09/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.12M	6.58316G	6.74728G	154.932M	6.587402G	6.742334G	Inf	1
162.36M	6.5836G	6.74596G	154.656M	6.587646G	6.742302G	Inf	2
162.36M	6.5836G	6.74596G	154.558M	6.587025G	6.741583G	Inf	3
163.68M	6.58228G	6.74596G	154.757M	6.58728G	6.742037G	Inf	4

Summary

Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	23.94	0.24774
802.11ax HEW20_Nss1,(MCS0)_2TX	25.76	0.37670
802.11ax HEW20_Nss1,(MCS0)_4TX	28.10	0.64565
802.11ax HEW40_Nss1,(MCS0)_1TX	23.63	0.23067
802.11ax HEW40_Nss1,(MCS0)_2TX	25.88	0.38726
802.11ax HEW40_Nss1,(MCS0)_4TX	28.16	0.65464
802.11ax HEW80_Nss1,(MCS0)_1TX	24.25	0.26607
802.11ax HEW80_Nss1,(MCS0)_2TX	25.38	0.34514
802.11ax HEW80_Nss1,(MCS0)_4TX	27.93	0.62087
802.11ax HEW160_Nss1,(MCS0)_1TX	23.78	0.23878
802.11ax HEW160_Nss1,(MCS0)_2TX	25.71	0.37239
802.11ax HEW160_Nss1,(MCS0)_4TX	27.89	0.61518
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	23.11	0.20464
802.11ax HEW20_Nss1,(MCS0)_2TX	25.45	0.35075
802.11ax HEW20_Nss1,(MCS0)_4TX	28.03	0.63533
802.11ax HEW40_Nss1,(MCS0)_1TX	23.24	0.21086
802.11ax HEW40_Nss1,(MCS0)_2TX	25.56	0.35975
802.11ax HEW40_Nss1,(MCS0)_4TX	28.34	0.68234
802.11ax HEW80_Nss1,(MCS0)_1TX	23.74	0.23659
802.11ax HEW80_Nss1,(MCS0)_2TX	24.72	0.29648
802.11ax HEW80_Nss1,(MCS0)_4TX	27.99	0.62951
802.11ax HEW160_Nss1,(MCS0)_1TX	22.21	0.16634
802.11ax HEW160_Nss1,(MCS0)_2TX	24.33	0.27102
802.11ax HEW160_Nss1,(MCS0)_4TX	26.27	0.42364

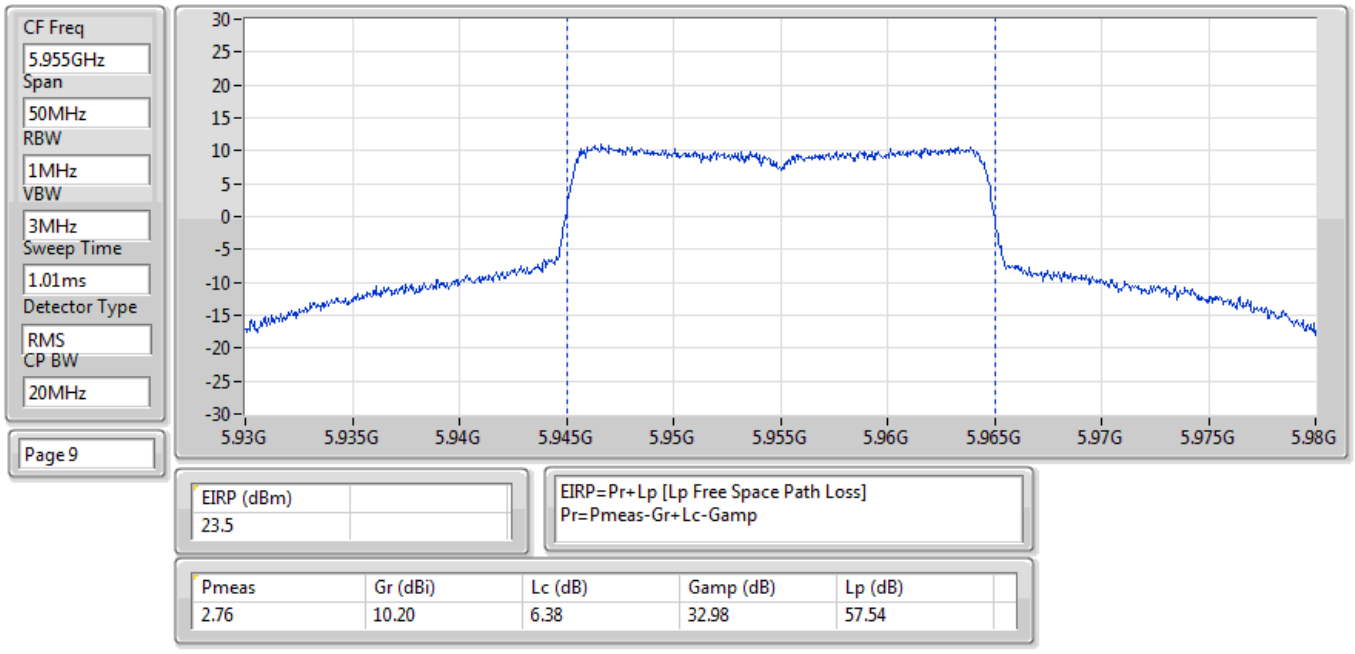
Result

Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5955MHz	Pass	23.50	36.00
6195MHz	Pass	23.94	36.00
6415MHz	Pass	22.93	36.00
6535MHz	Pass	23.11	36.00
6695MHz	Pass	22.61	36.00
6855MHz	Pass	21.80	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-
5965MHz	Pass	21.41	36.00
6205MHz	Pass	23.63	36.00
6405MHz	Pass	22.95	36.00
6565MHz	Pass	22.07	36.00
6685MHz	Pass	23.24	36.00
6845MHz	Pass	22.70	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-
5985MHz	Pass	21.23	36.00
6225MHz	Pass	24.25	36.00
6385MHz	Pass	23.27	36.00
6625MHz	Pass	22.09	36.00
6705MHz	Pass	22.04	36.00
6785MHz	Pass	23.74	36.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-
6025MHz	Pass	20.77	36.00
6185MHz	Pass	23.78	36.00
6345MHz	Pass	23.14	36.00
6665MHz	Pass	22.21	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-
5955MHz	Pass	25.23	36.00
6195MHz	Pass	25.76	36.00
6415MHz	Pass	25.08	36.00
6535MHz	Pass	25.45	36.00
6695MHz	Pass	24.60	36.00
6855MHz	Pass	23.20	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-
5965MHz	Pass	22.67	36.00
6205MHz	Pass	25.88	36.00
6405MHz	Pass	25.24	36.00
6565MHz	Pass	25.56	36.00
6685MHz	Pass	25.02	36.00
6845MHz	Pass	23.66	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-
5985MHz	Pass	21.98	36.00
6225MHz	Pass	25.38	36.00
6385MHz	Pass	25.08	36.00
6625MHz	Pass	24.64	36.00
6705MHz	Pass	24.72	36.00
6785MHz	Pass	23.76	36.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-
6025MHz	Pass	22.27	36.00
6185MHz	Pass	25.71	36.00
6345MHz	Pass	25.31	36.00
6665MHz	Pass	24.33	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	27.97	36.00
6195MHz	Pass	28.10	36.00

Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
6415MHz	Pass	26.62	36.00
6535MHz	Pass	26.94	36.00
6695MHz	Pass	28.03	36.00
6855MHz	Pass	27.79	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	24.51	36.00
6205MHz	Pass	28.16	36.00
6405MHz	Pass	26.65	36.00
6565MHz	Pass	26.76	36.00
6685MHz	Pass	26.64	36.00
6845MHz	Pass	28.34	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	23.61	36.00
6225MHz	Pass	27.93	36.00
6385MHz	Pass	26.48	36.00
6625MHz	Pass	25.99	36.00
6705MHz	Pass	26.43	36.00
6785MHz	Pass	27.99	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	24.07	36.00
6185MHz	Pass	27.89	36.00
6345MHz	Pass	26.66	36.00
6665MHz	Pass	26.27	36.00

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

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:5955MHz;TX

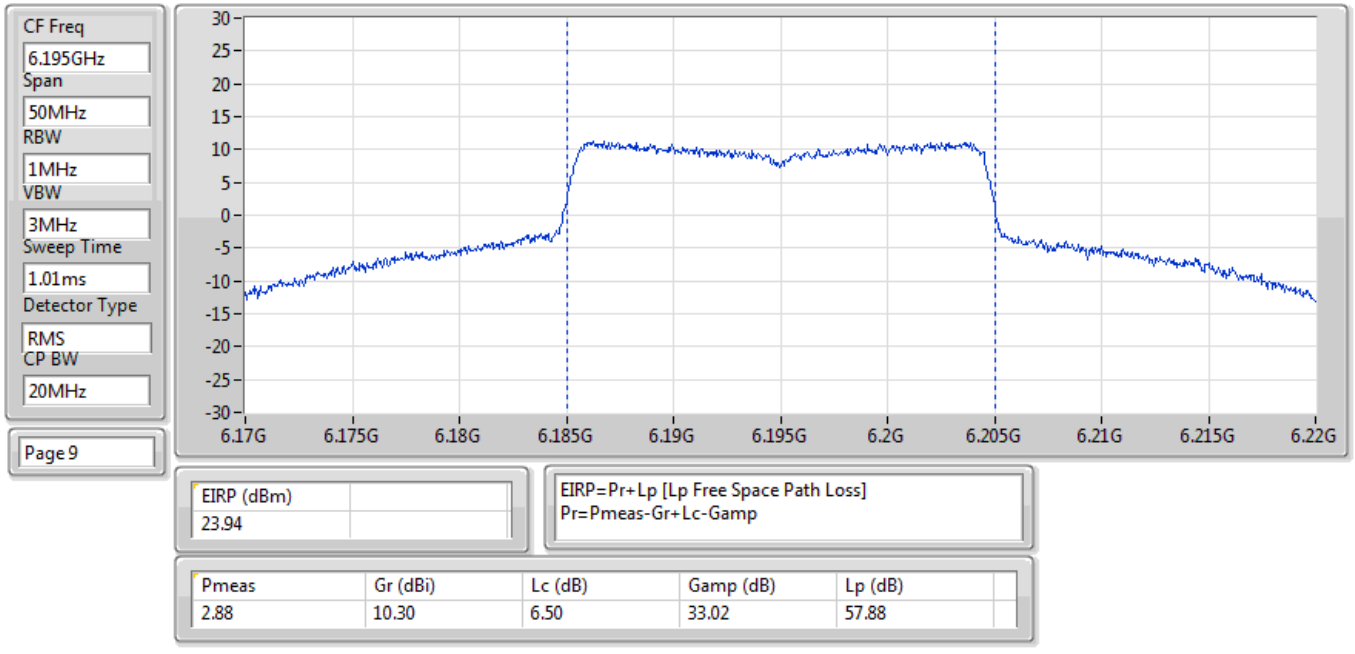


EIRP (dBm)
23.5

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.76	10.20	6.38	32.98	57.54

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6195MHz;TX

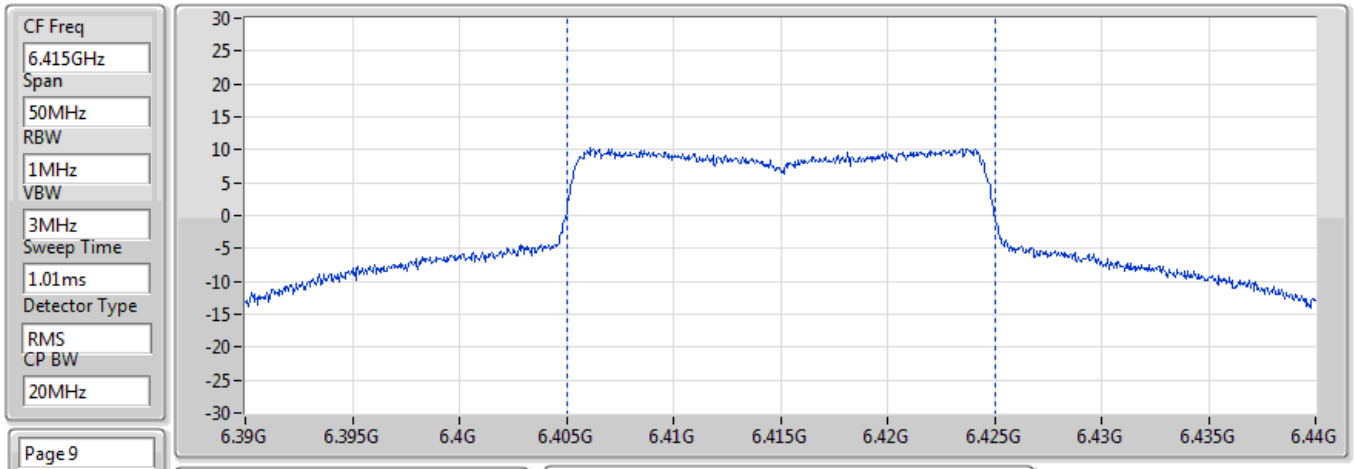


EIRP (dBm)
23.94

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.88	10.30	6.50	33.02	57.88

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

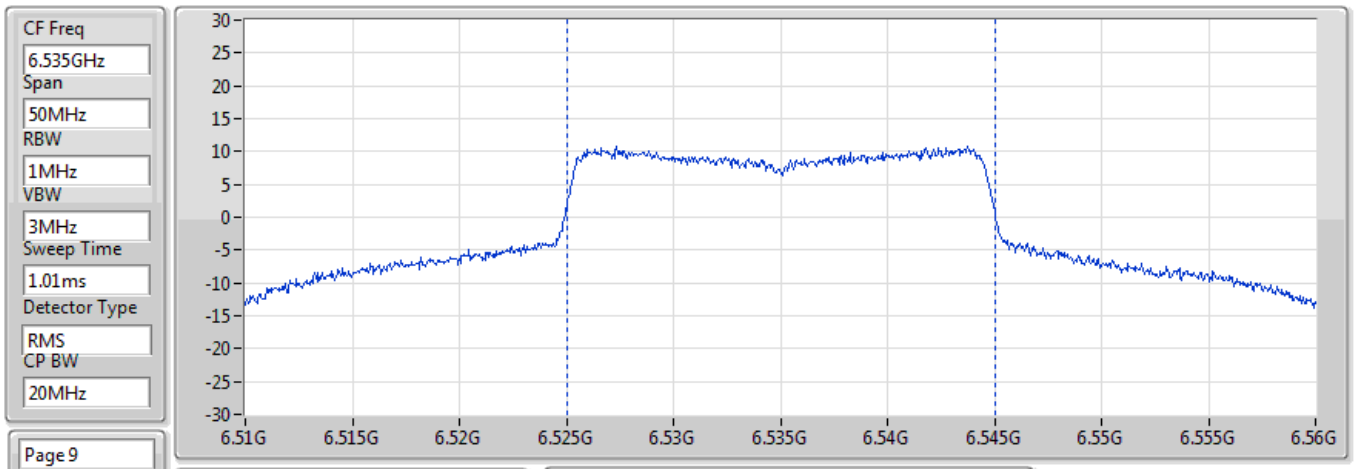


EIRP (dBm)
22.93

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.80	10.63	6.61	33.04	58.19

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

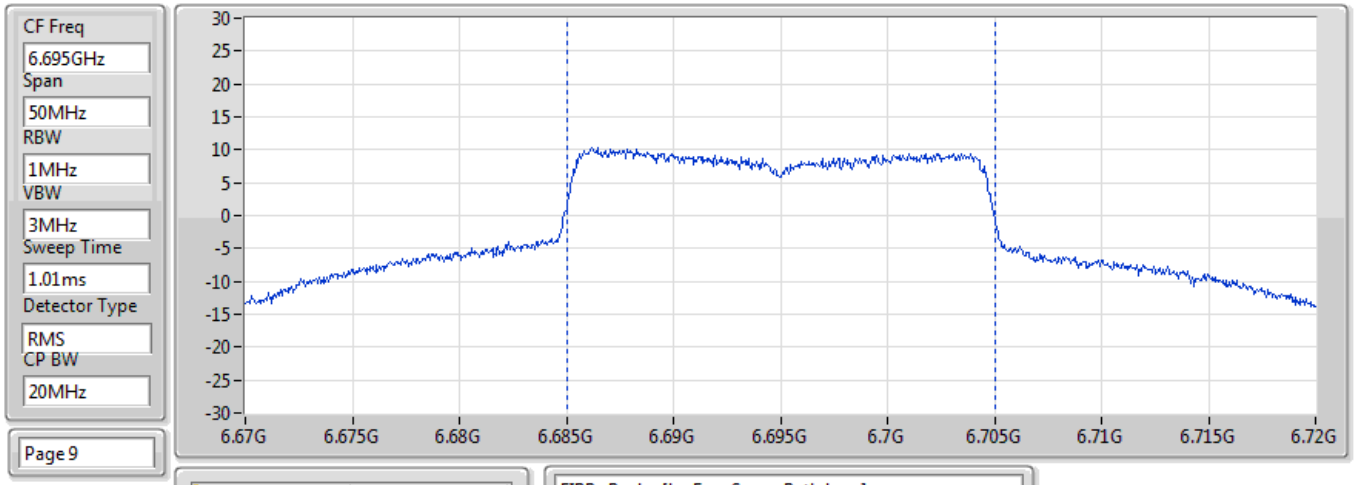


EIRP (dBm)
23.11

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.53	10.46	6.74	33.05	58.35

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

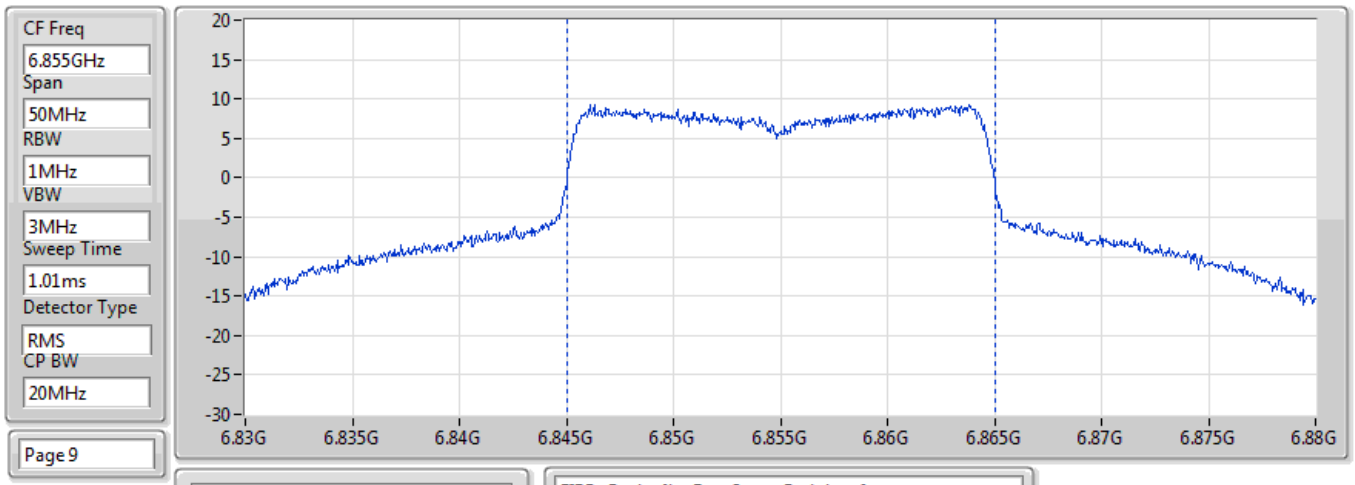


EIRP (dBm)
22.61

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
0.68	10.40	6.80	33.03	58.56

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

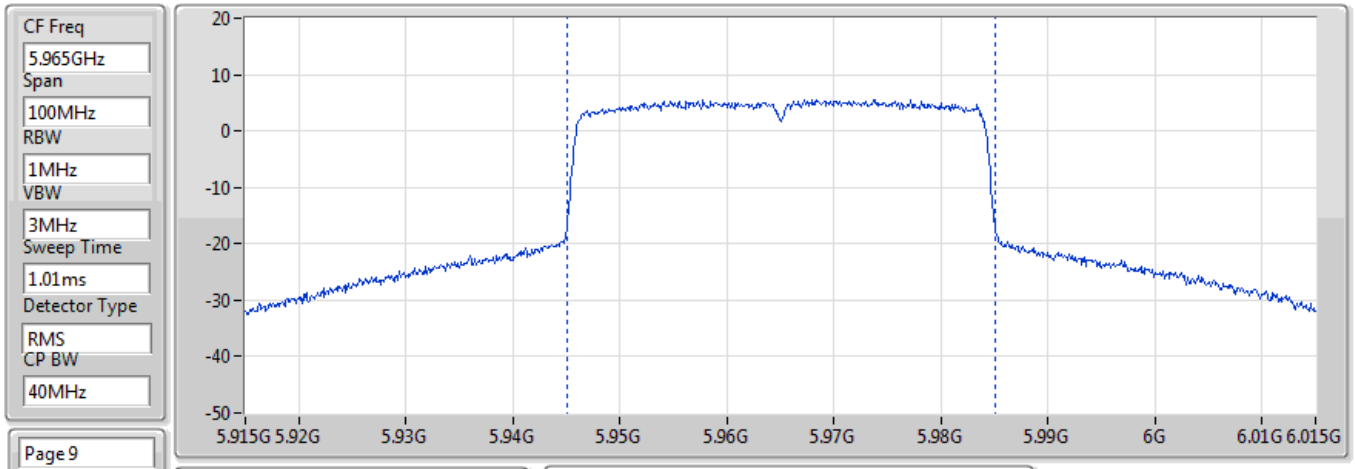


EIRP (dBm)
21.8

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-0.37	10.40	6.83	33.02	58.76

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:5965MHz;TX

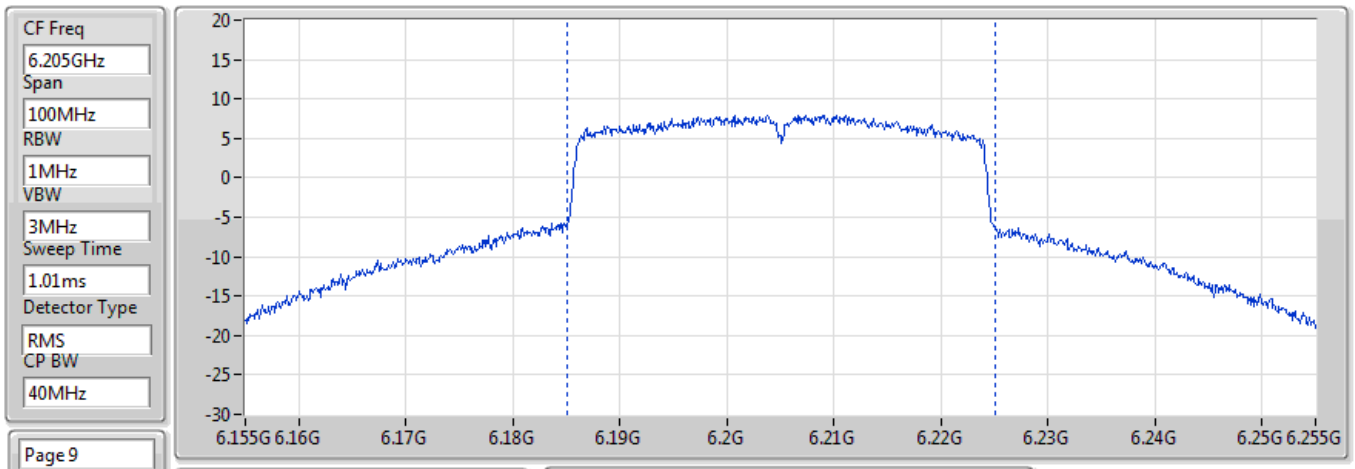


EIRP (dBm)
21.41

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
0.67	10.20	6.38	32.99	57.55

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6205MHz;TX

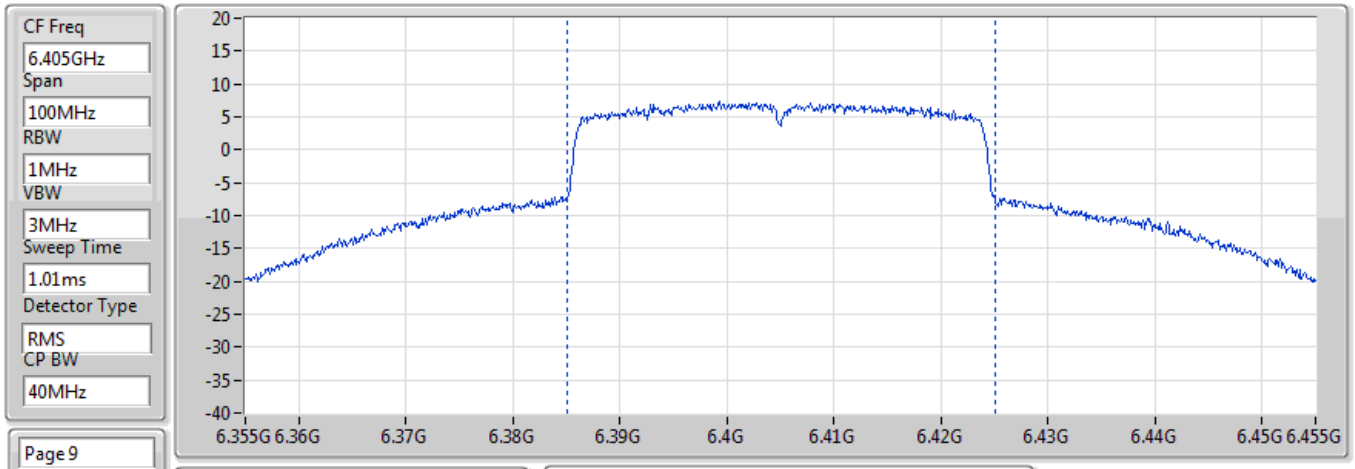


EIRP (dBm)
23.63

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.56	10.31	6.50	33.02	57.90

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

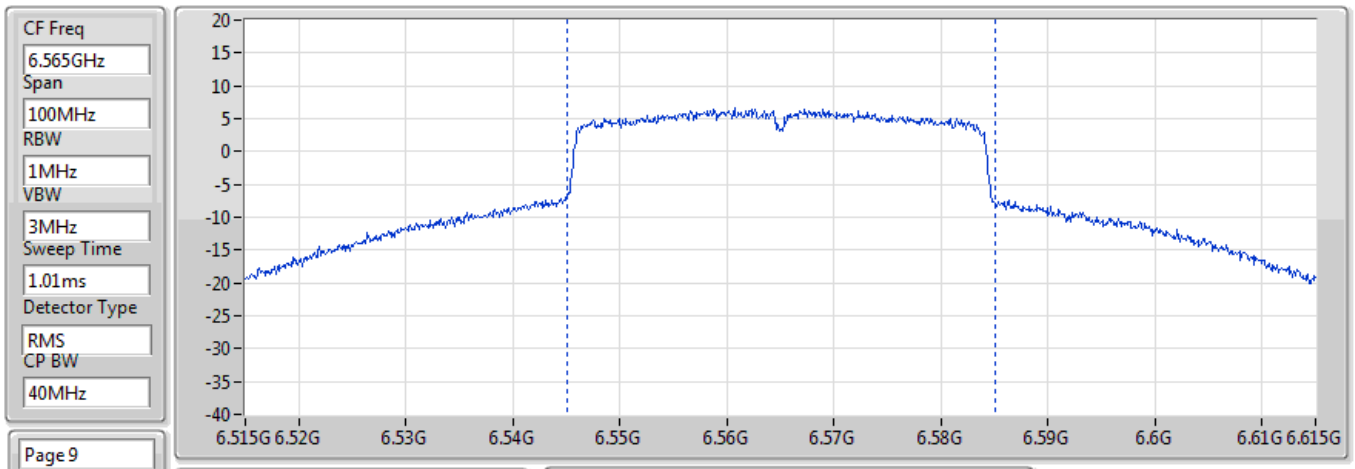


EIRP (dBm)
22.95

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.83	10.61	6.60	33.04	58.17

EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6565MHz;TX

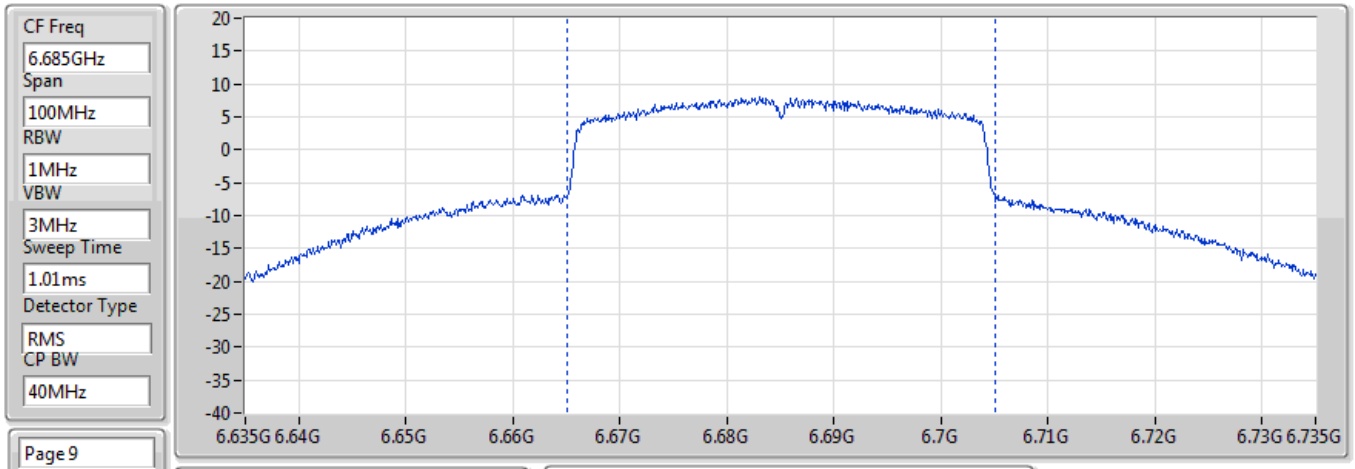


EIRP (dBm)
22.07

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
0.36	10.40	6.76	33.04	58.39

EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6685MHz;TX

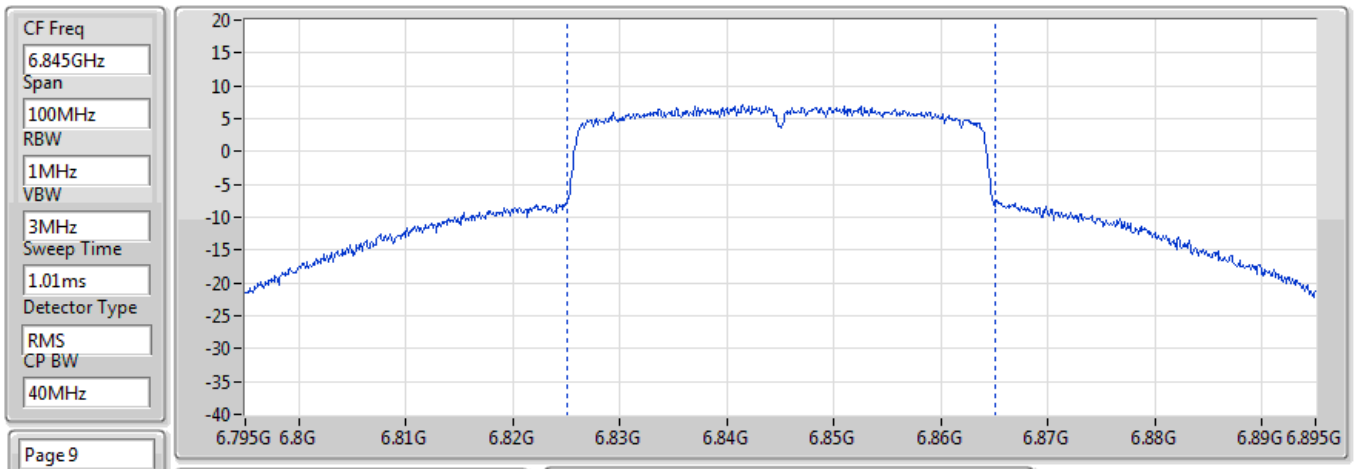


EIRP (dBm)
23.24

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.34	10.40	6.80	33.04	58.54

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

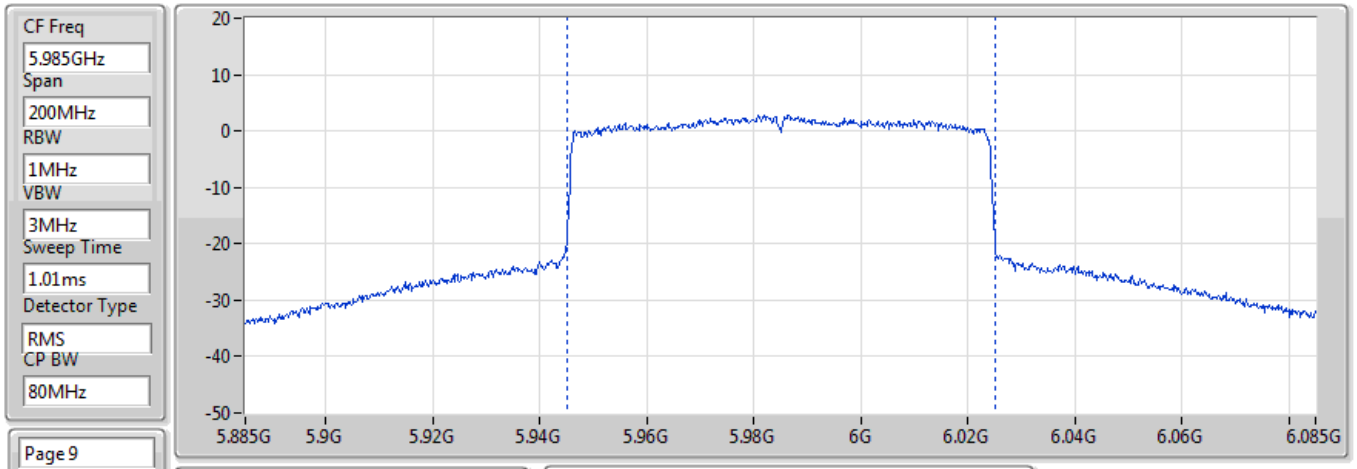


EIRP (dBm)
22.7

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
0.54	10.39	6.82	33.02	58.75

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:5985MHz;TX

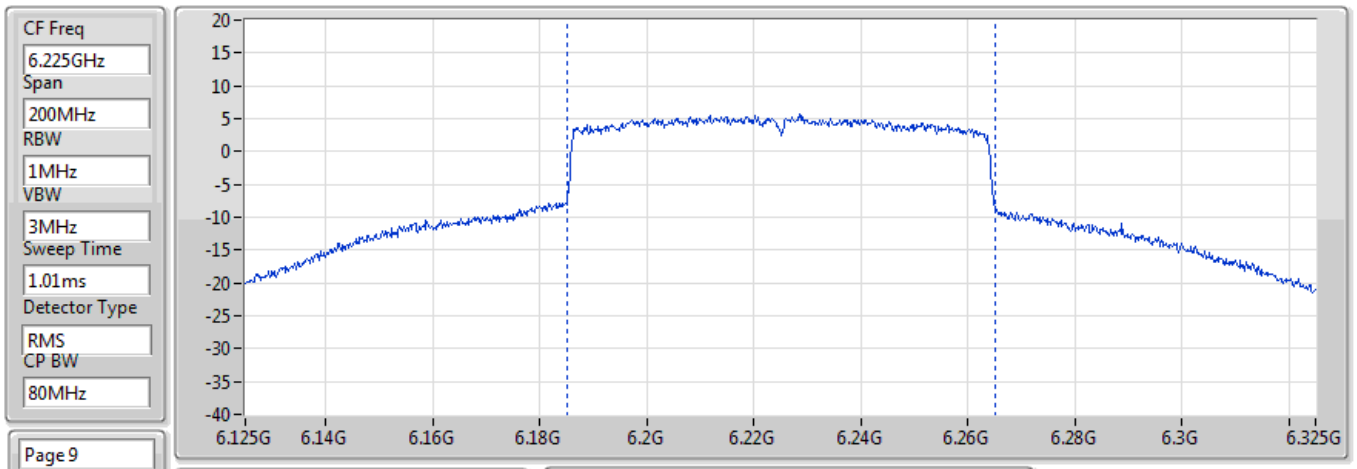


EIRP (dBm)
21.23

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
0.45	10.20	6.39	32.99	57.58

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

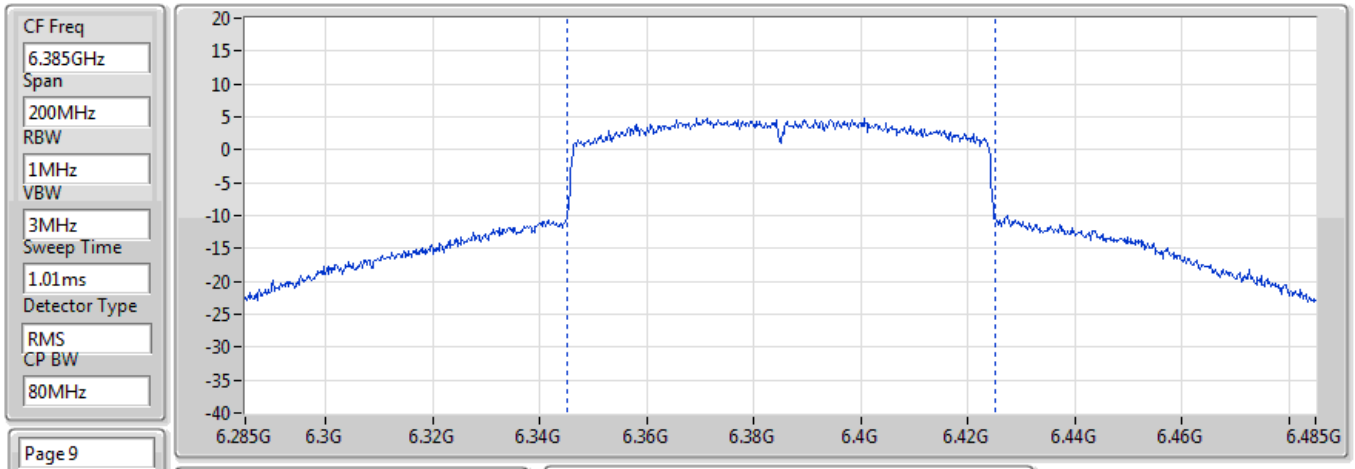


EIRP (dBm)
24.25

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
3.18	10.35	6.51	33.02	57.93

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

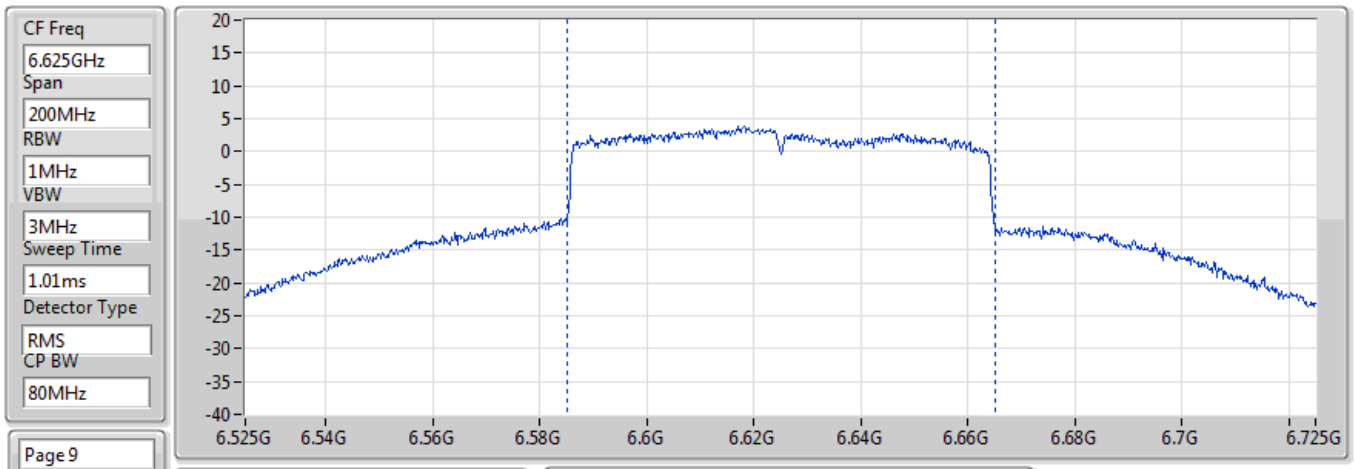


EIRP (dBm)
23.27

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.20	10.63	6.59	33.04	58.15

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

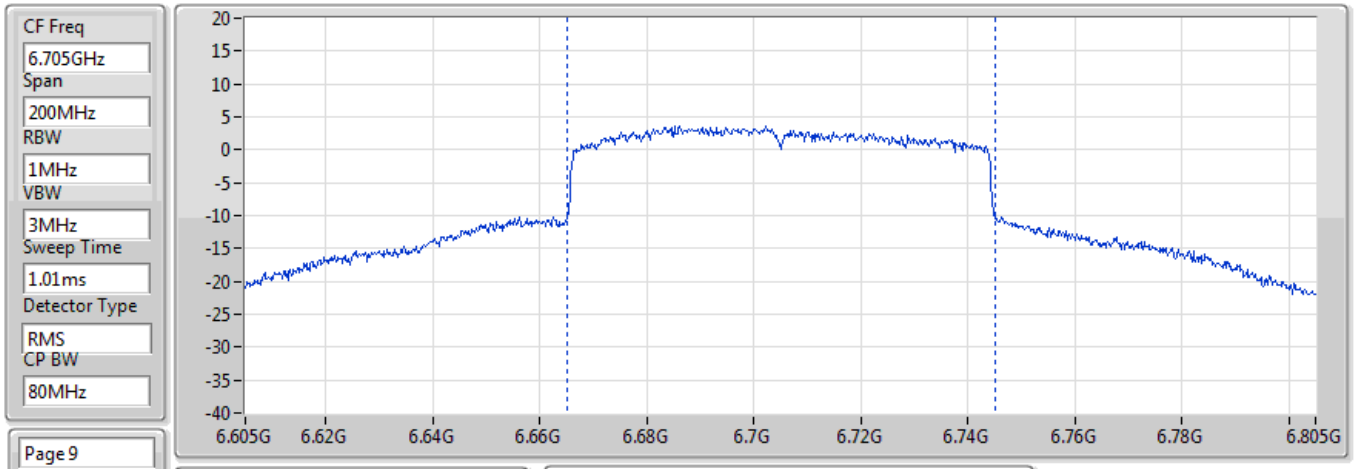


EIRP (dBm)
22.09

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
0.26	10.40	6.80	33.04	58.47

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

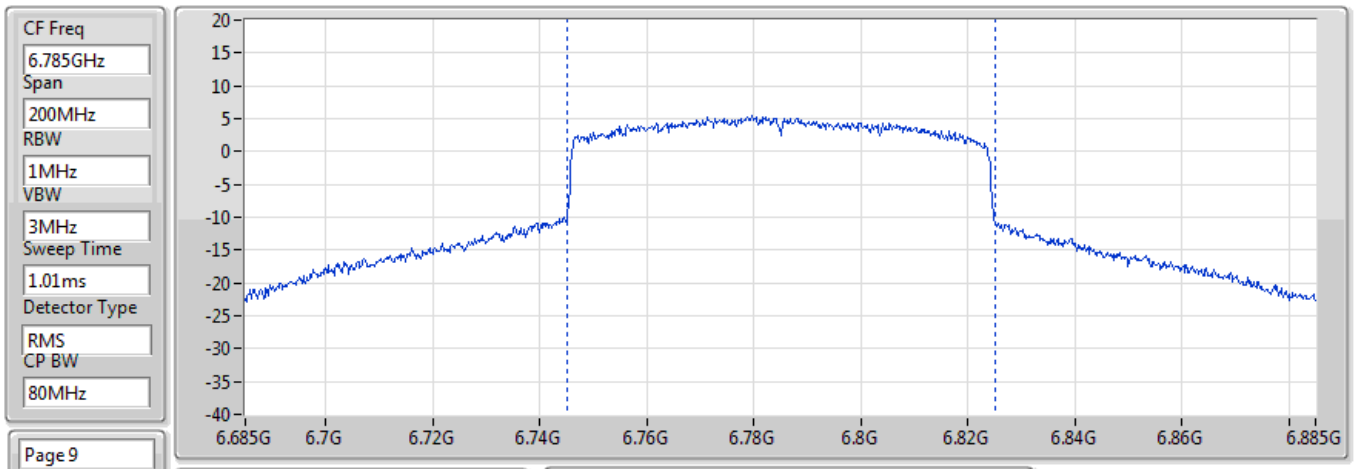


EIRP (dBm)
22.04

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
0.08	10.38	6.80	33.03	58.57

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

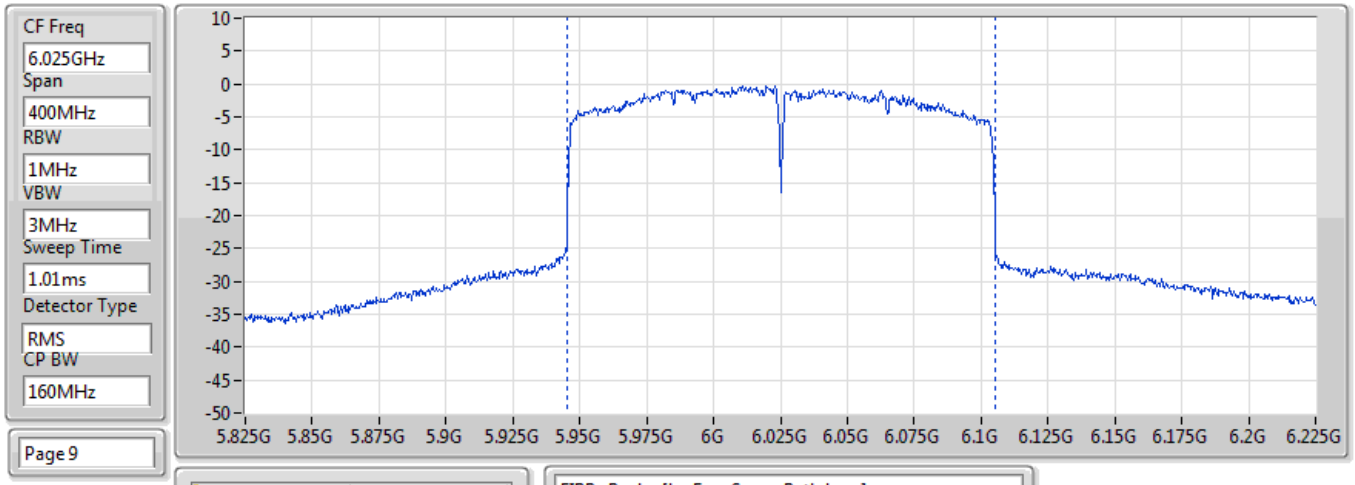


EIRP (dBm)
23.74

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.57	10.27	6.80	33.03	58.67

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6025MHz;TX

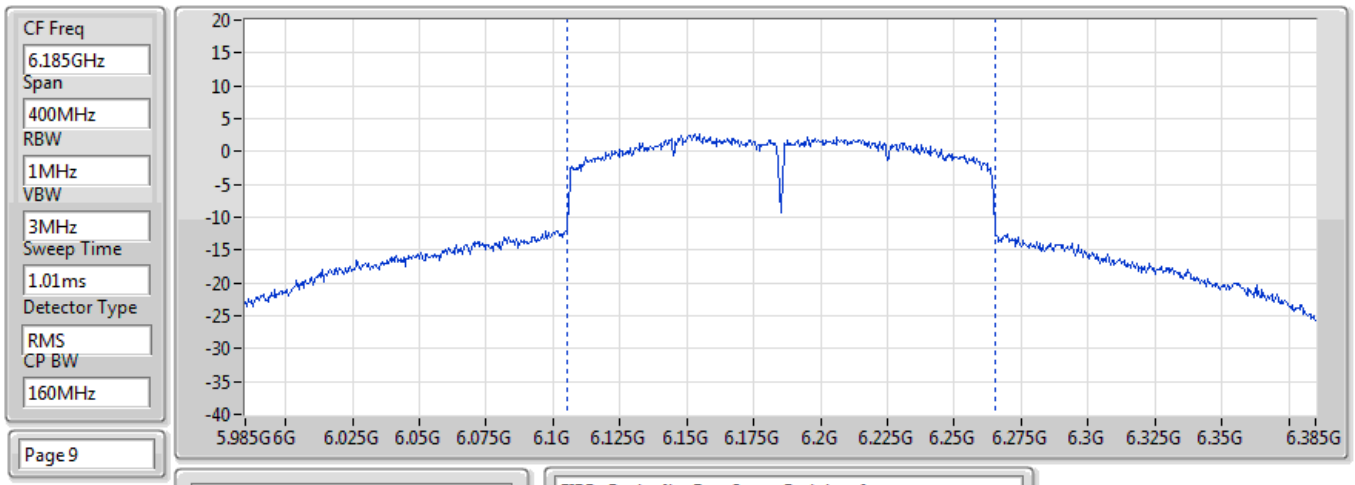


EIRP (dBm)
20.77

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-0.08	10.20	6.41	33.00	57.64

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6185MHz;TX

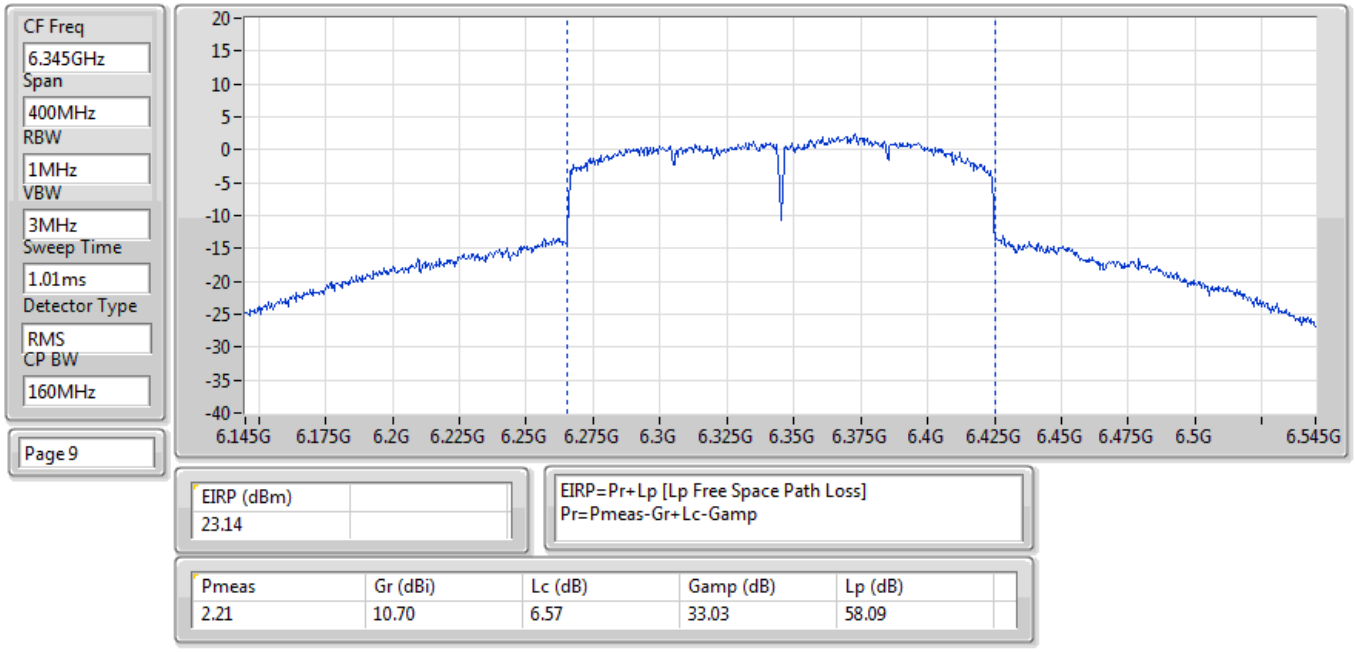


EIRP (dBm)
23.78

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.74	10.30	6.49	33.02	57.87

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6345MHz;TX

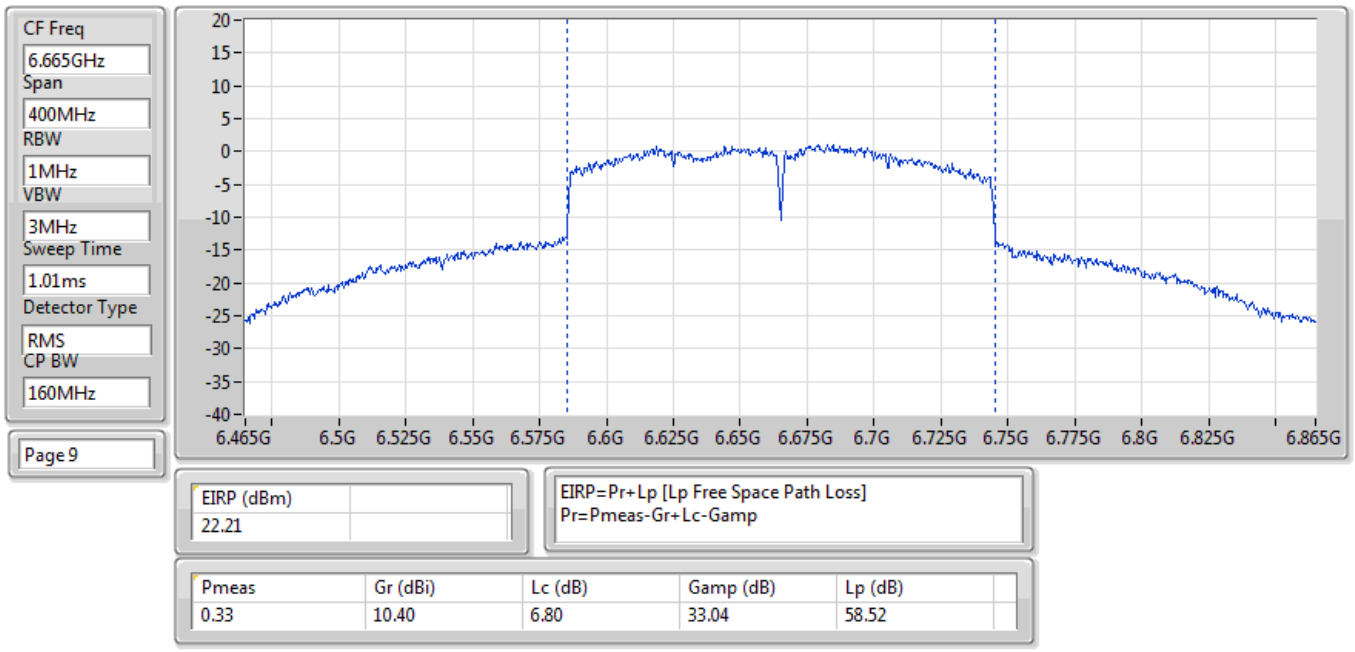


EIRP (dBm)
23.14

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.21	10.70	6.57	33.03	58.09

EIRP;Band:6.7G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6665MHz;TX

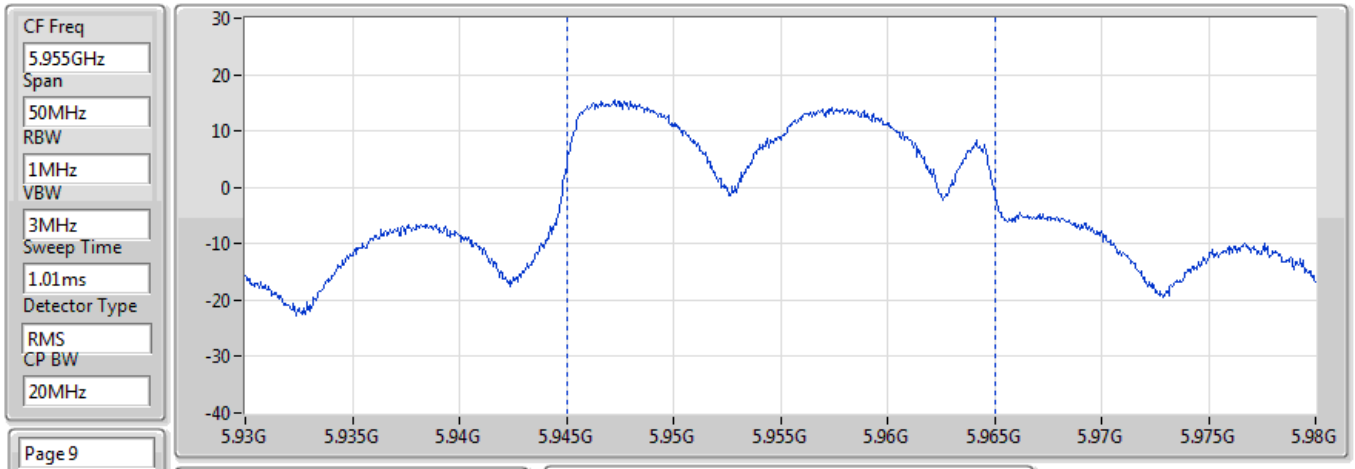


EIRP (dBm)
22.21

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
0.33	10.40	6.80	33.04	58.52

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:5955MHz;TX

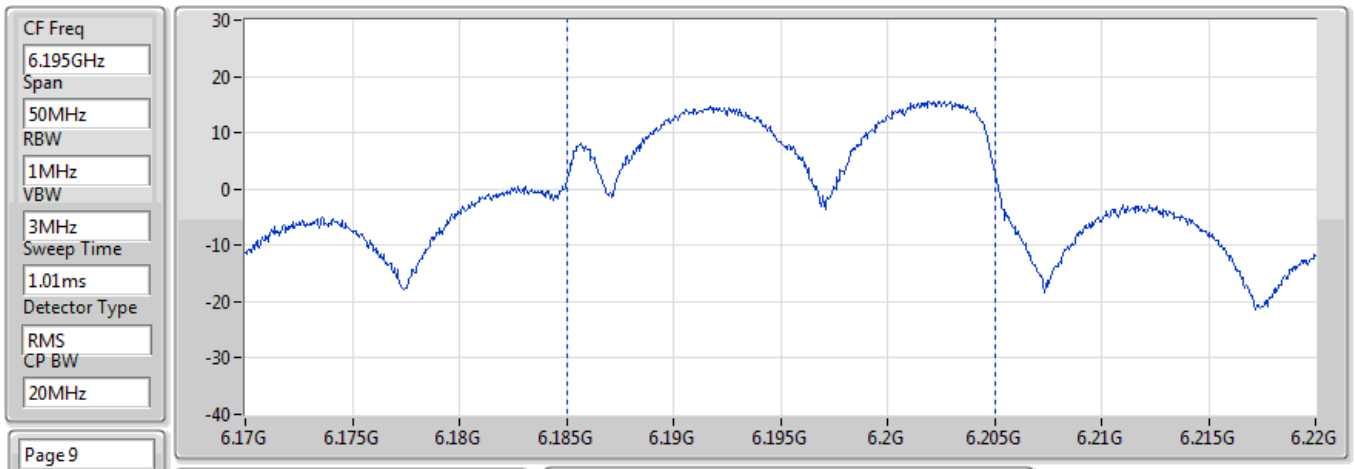


EIRP (dBm)
25.23

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
4.49	10.20	6.38	32.98	57.54

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6195MHz;TX

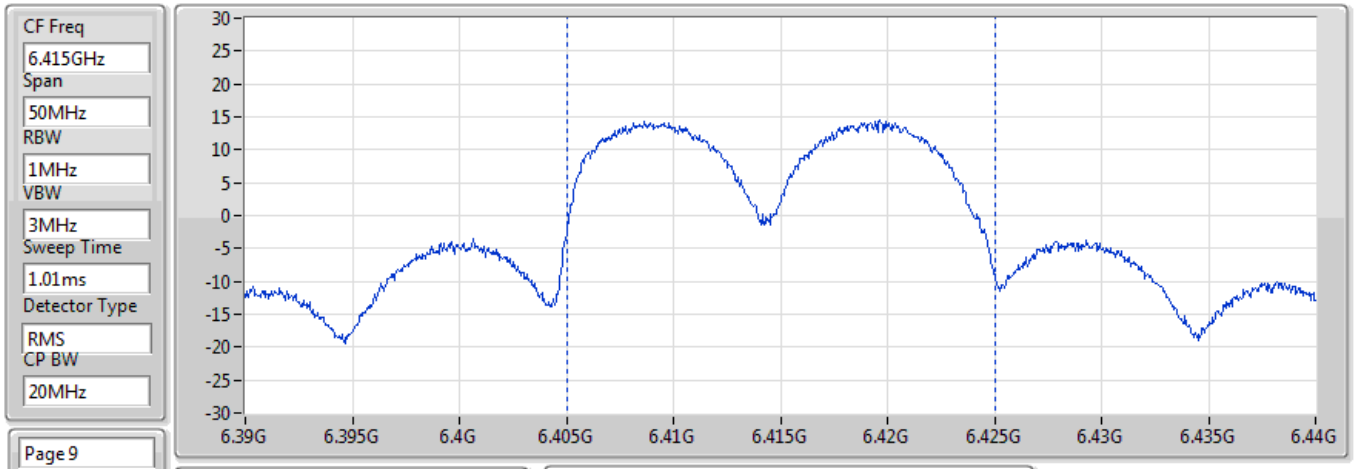


EIRP (dBm)
25.76

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
4.70	10.30	6.50	33.02	57.88

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6415MHz;TX

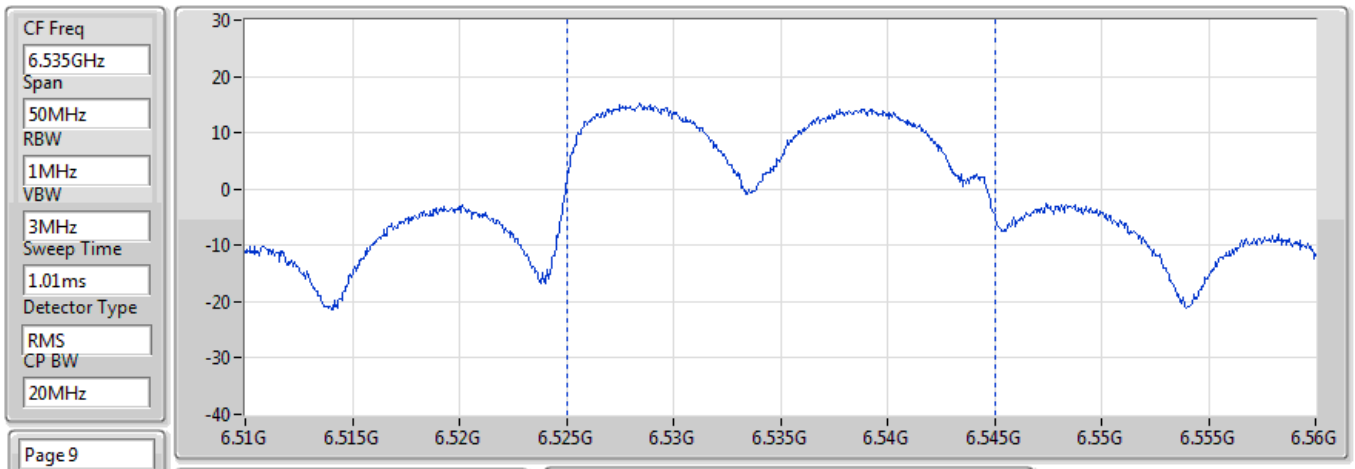


EIRP (dBm)
25.08

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
3.95	10.63	6.61	33.04	58.19

EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6535MHz;TX

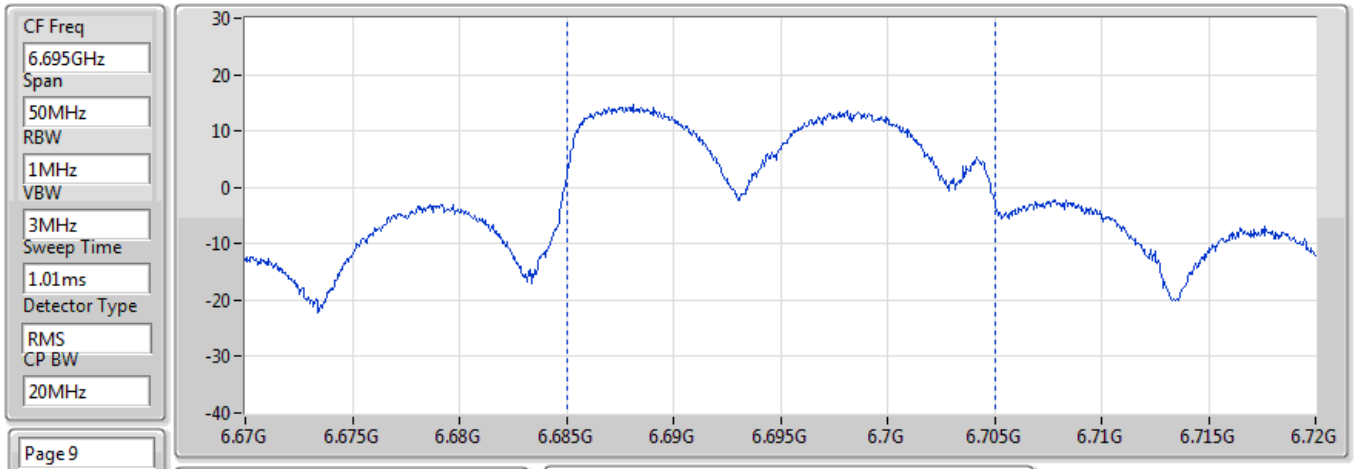


EIRP (dBm)
25.45

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
3.87	10.46	6.74	33.05	58.35

EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6695MHz;TX

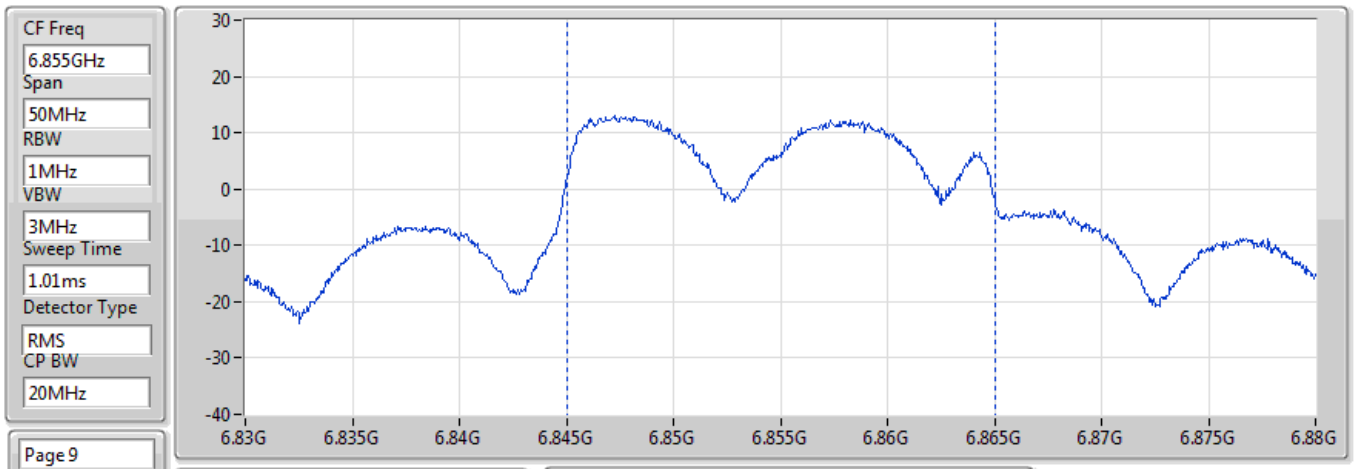


EIRP (dBm)
24.6

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.67	10.40	6.80	33.03	58.56

EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6855MHz;TX

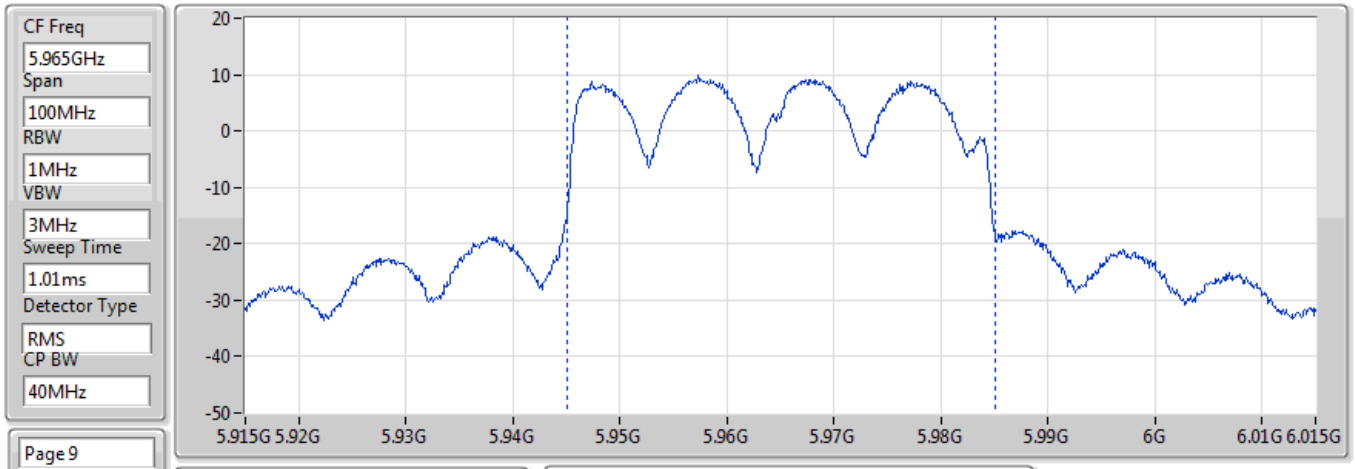


EIRP (dBm)
23.2

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.03	10.40	6.83	33.02	58.76

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:5965MHz;TX

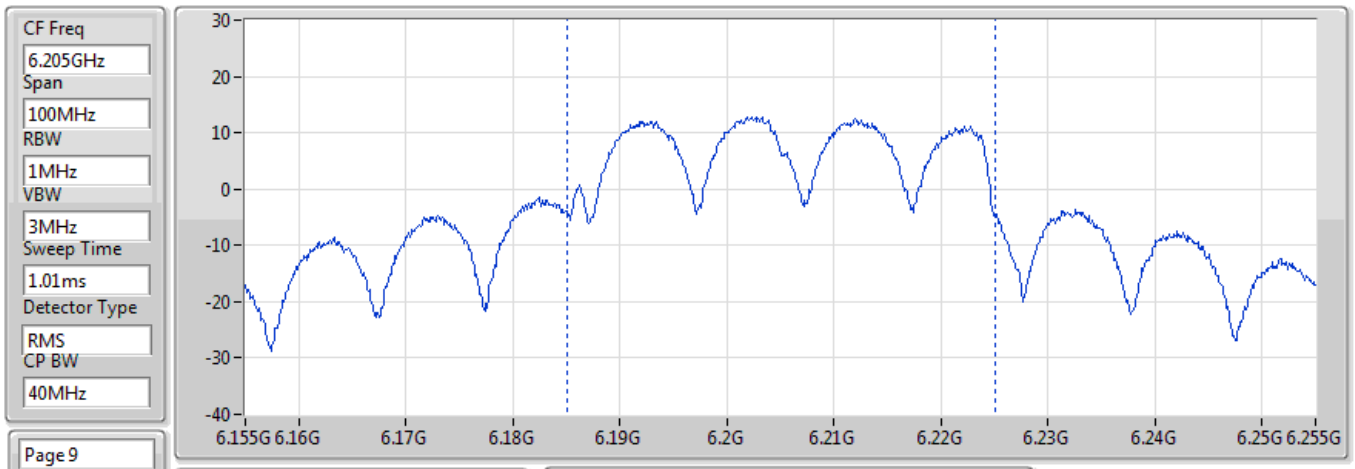


EIRP (dBm)
22.67

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.93	10.20	6.38	32.99	57.55

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6205MHz;TX

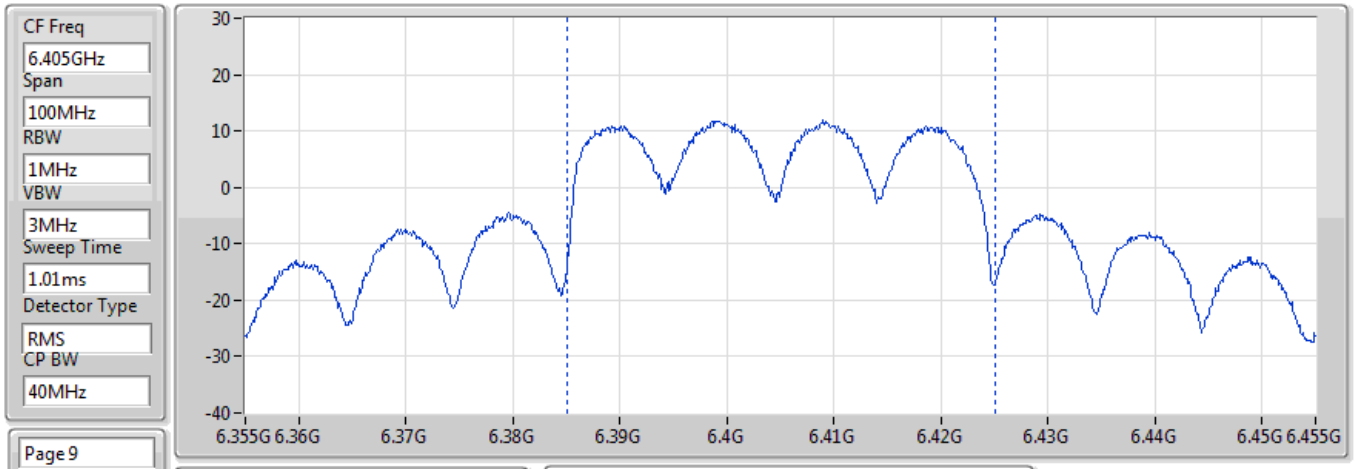


EIRP (dBm)
25.88

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
4.81	10.31	6.50	33.02	57.90

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6405MHz;TX

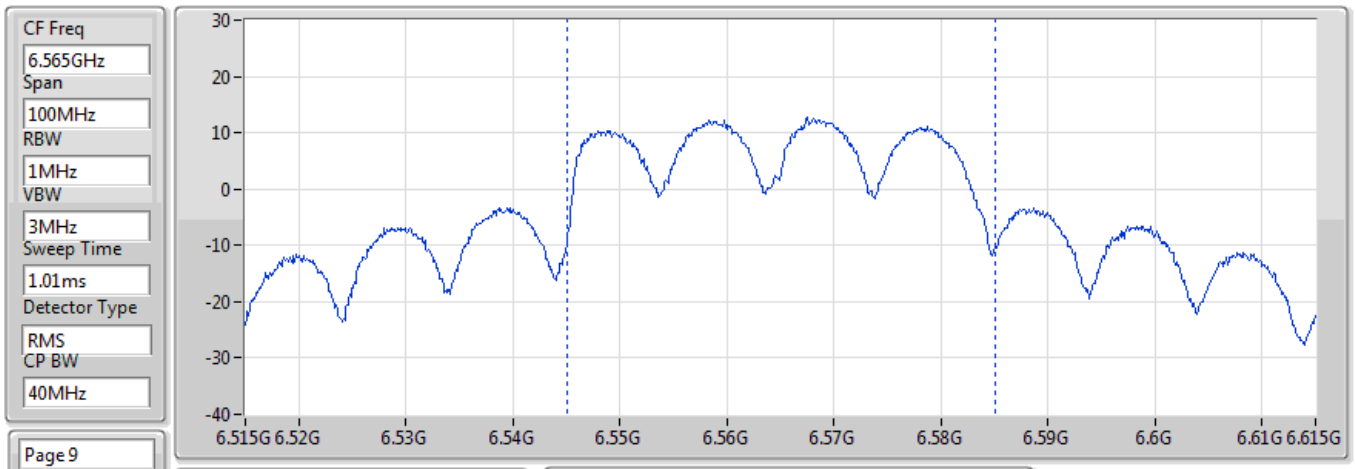


EIRP (dBm)
25.24

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
4.12	10.61	6.60	33.04	58.17

EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6565MHz;TX

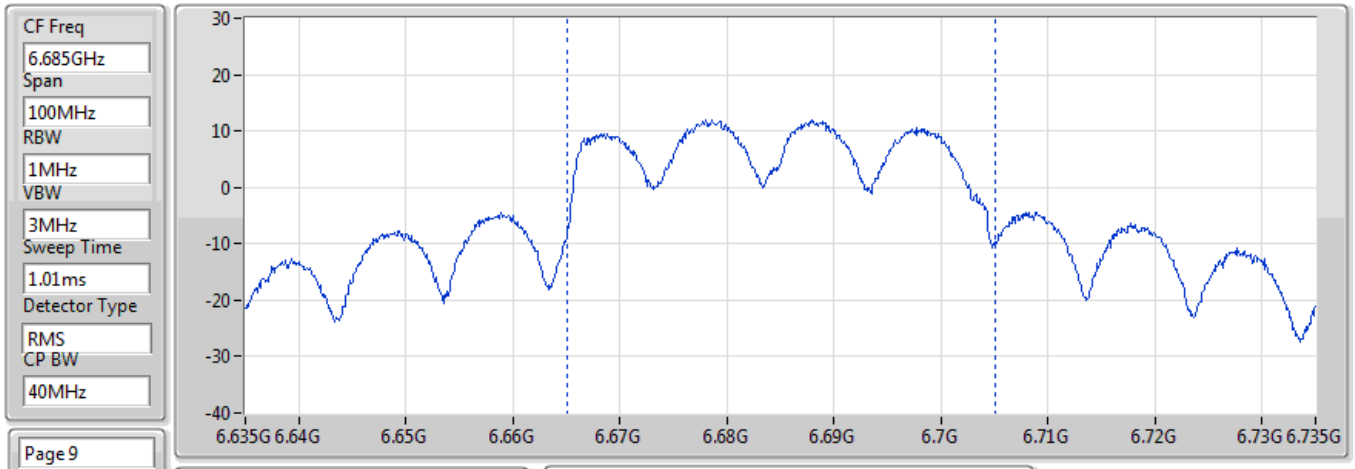


EIRP (dBm)
25.56

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
3.85	10.40	6.76	33.04	58.39

EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6685MHz;TX

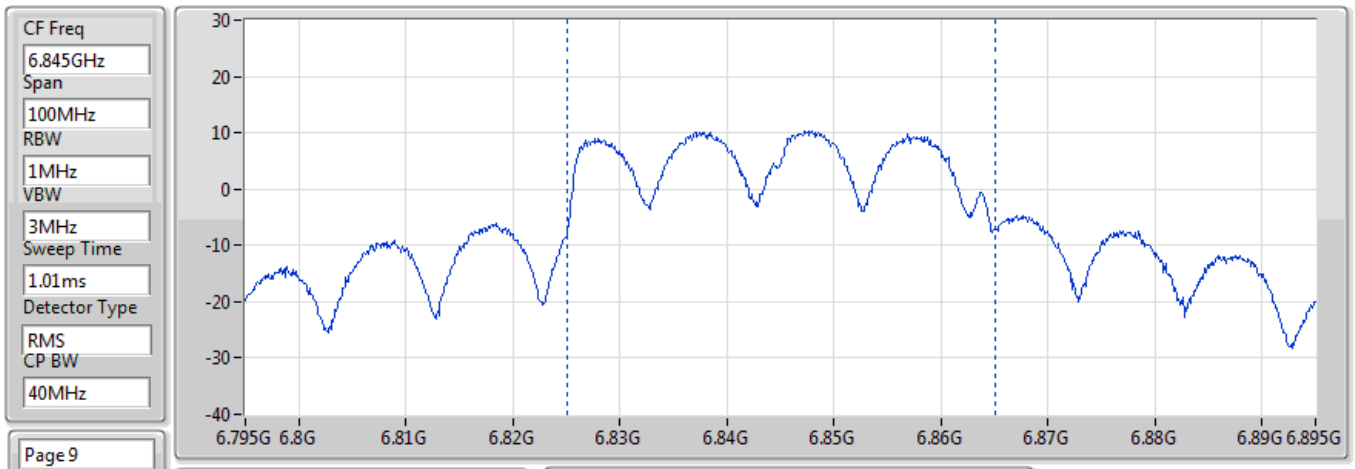


EIRP (dBm)
25.02

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
3.12	10.40	6.80	33.04	58.54

EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6845MHz;TX

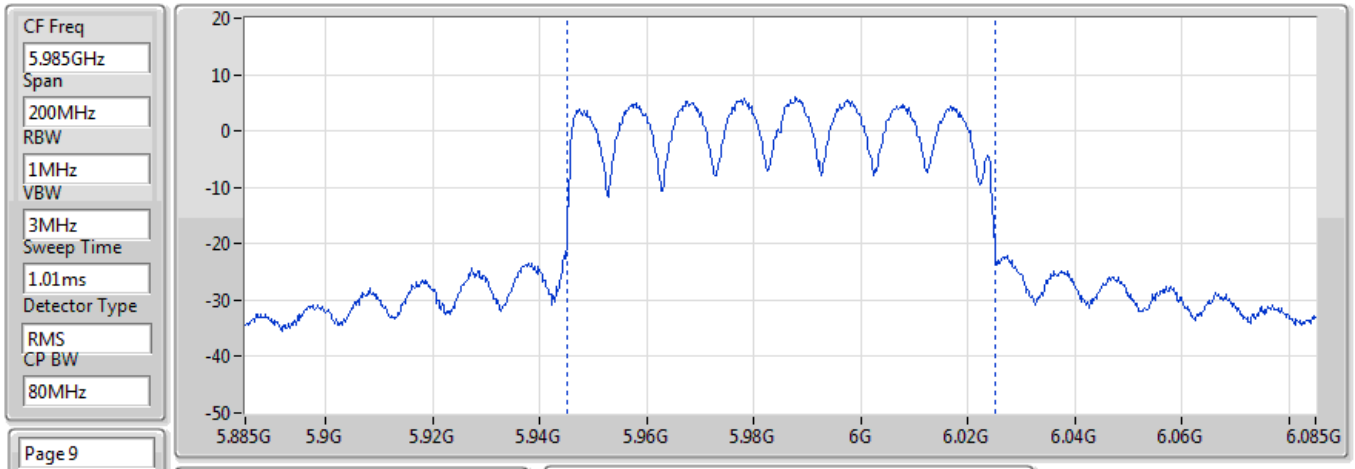


EIRP (dBm)
23.66

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.50	10.39	6.82	33.02	58.75

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:5985MHz;TX

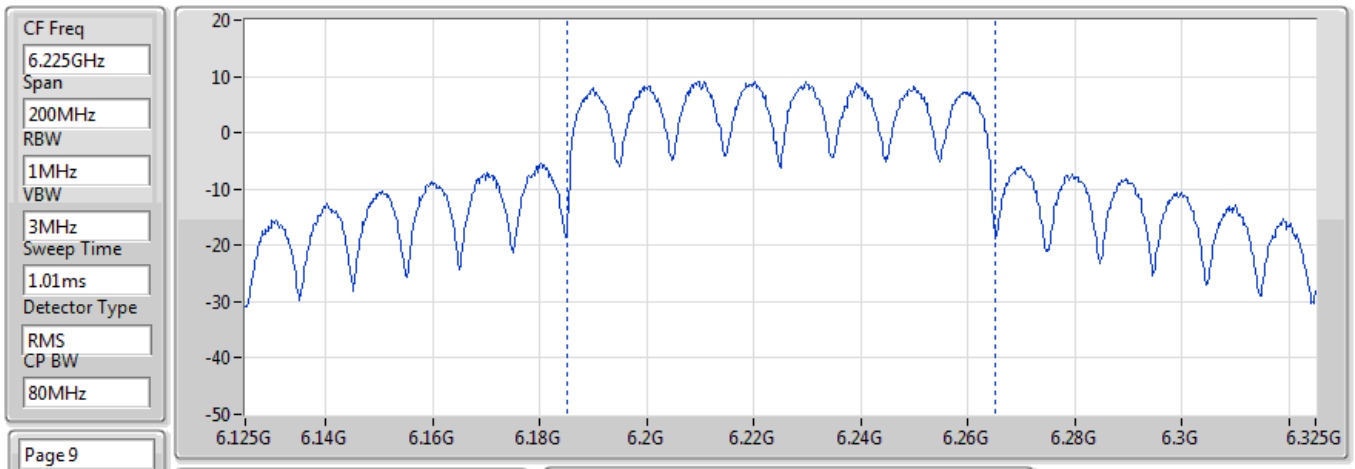


EIRP (dBm)
21.98

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.20	10.20	6.39	32.99	57.58

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6225MHz;TX

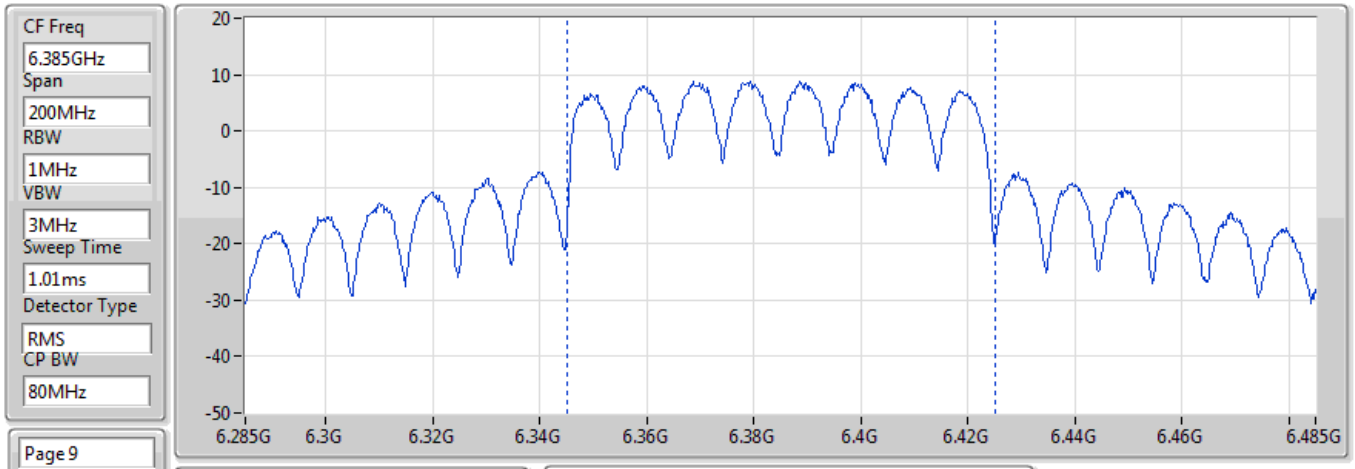


EIRP (dBm)
25.38

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
4.31	10.35	6.51	33.02	57.93

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6385MHz;TX

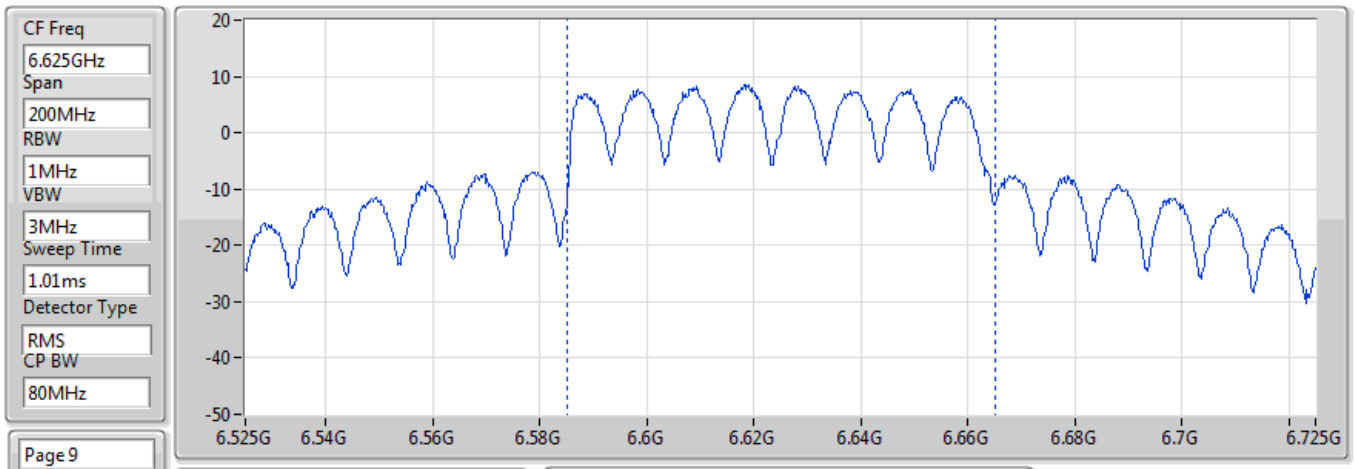


EIRP (dBm)
25.08

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
4.01	10.63	6.59	33.04	58.15

EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6625MHz;TX

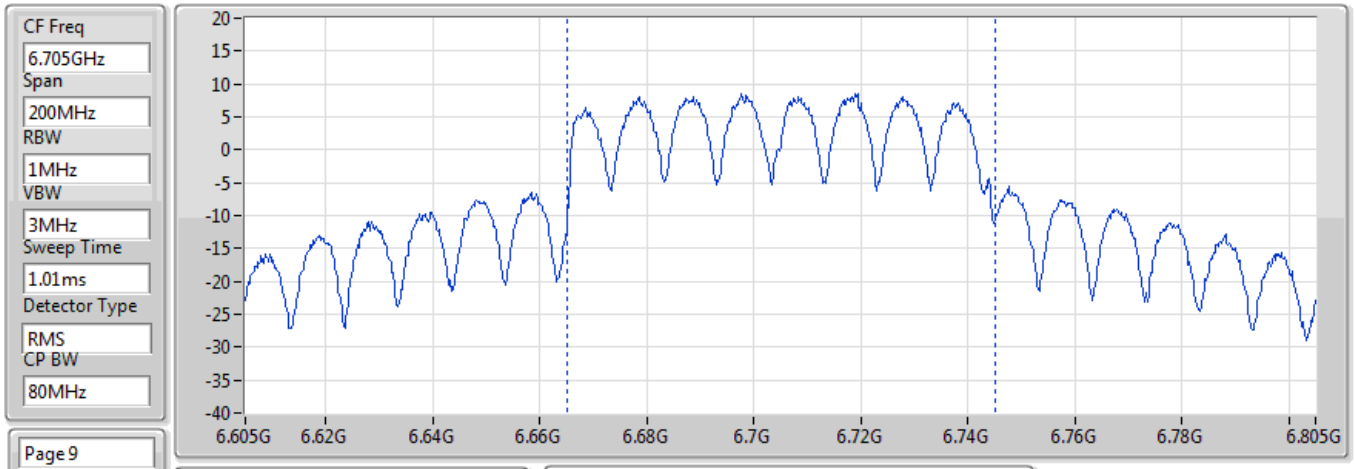


EIRP (dBm)
24.64

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.81	10.40	6.80	33.04	58.47

EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6705MHz;TX

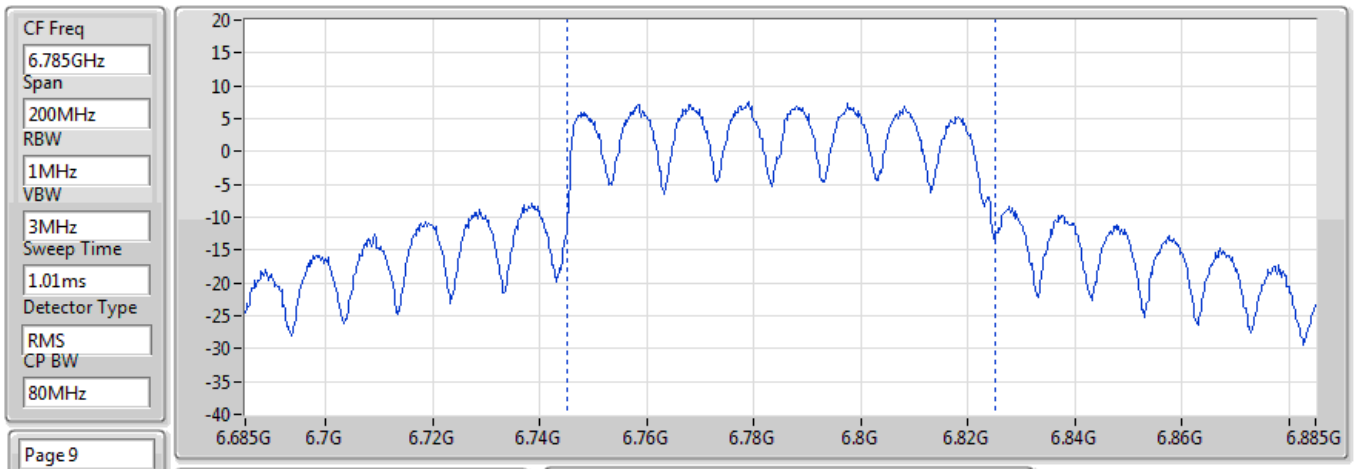


EIRP (dBm)
24.72

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.76	10.38	6.80	33.03	58.57

EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6785MHz;TX

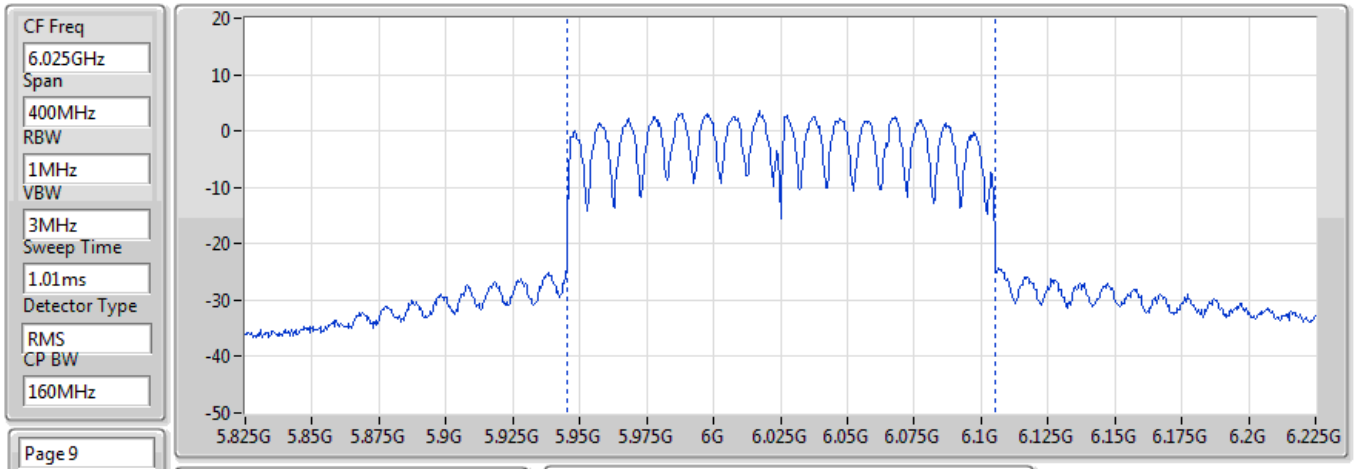


EIRP (dBm)
23.76

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.59	10.27	6.80	33.03	58.67

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6025MHz;TX

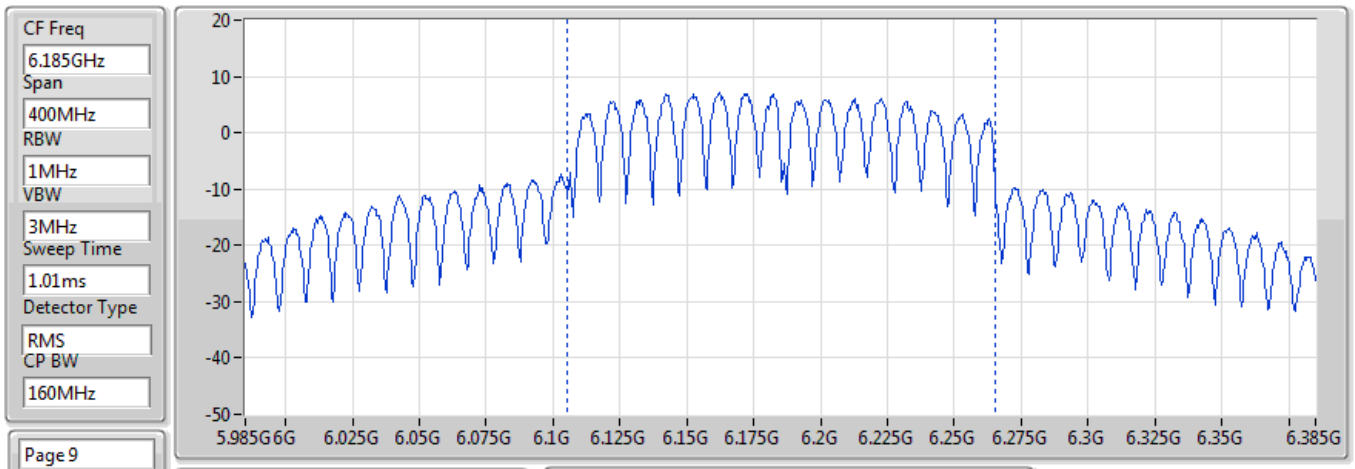


EIRP (dBm)
22.27

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.42	10.20	6.41	33.00	57.64

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6185MHz;TX

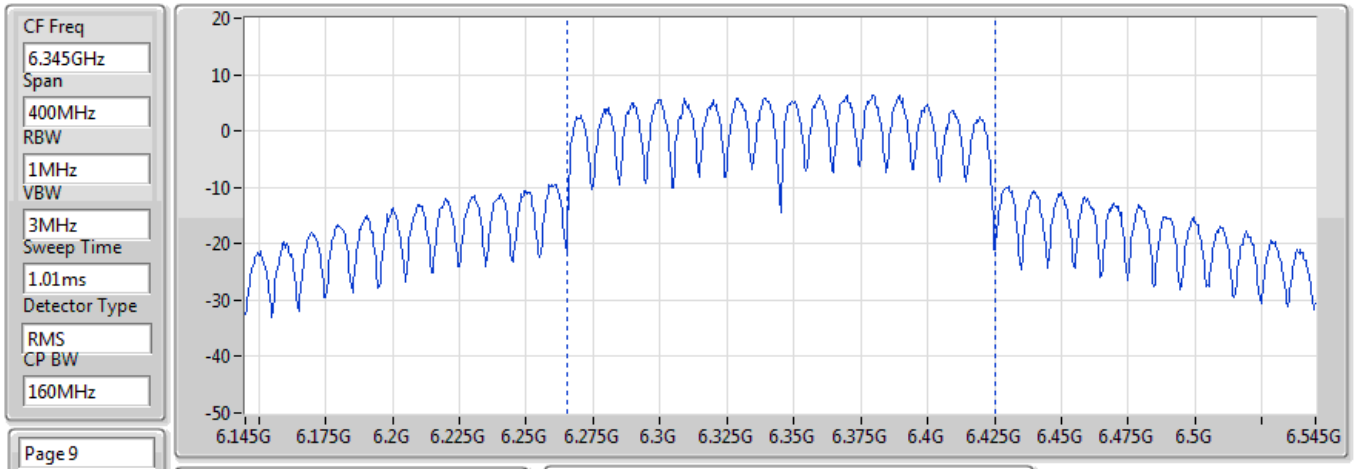


EIRP (dBm)
25.71

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
4.67	10.30	6.49	33.02	57.87

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6345MHz;TX

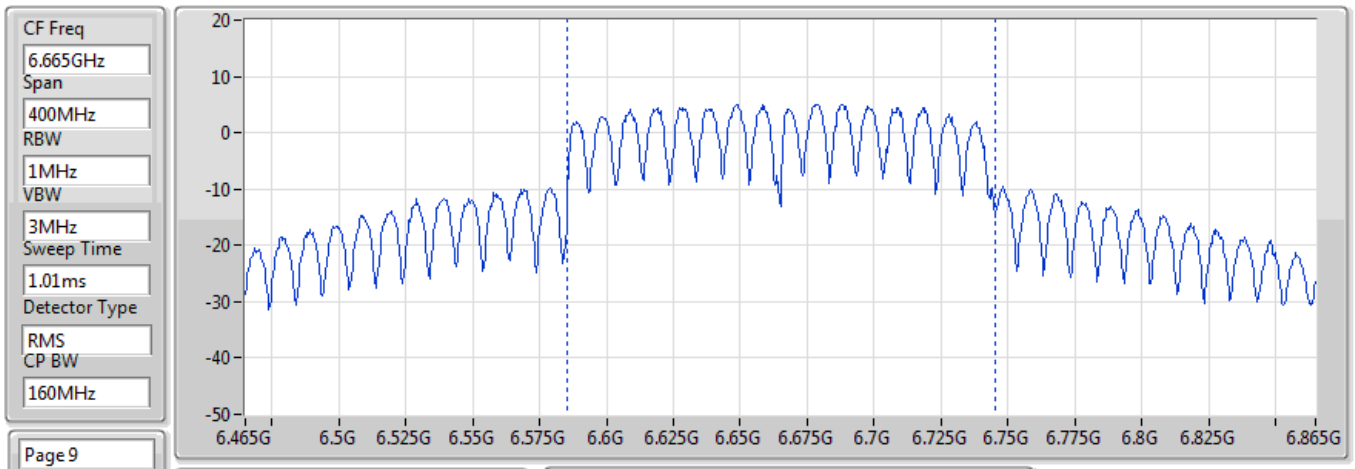


EIRP (dBm)
25.31

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
4.38	10.70	6.57	33.03	58.09

EIRP;Band:6.7G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6665MHz;TX

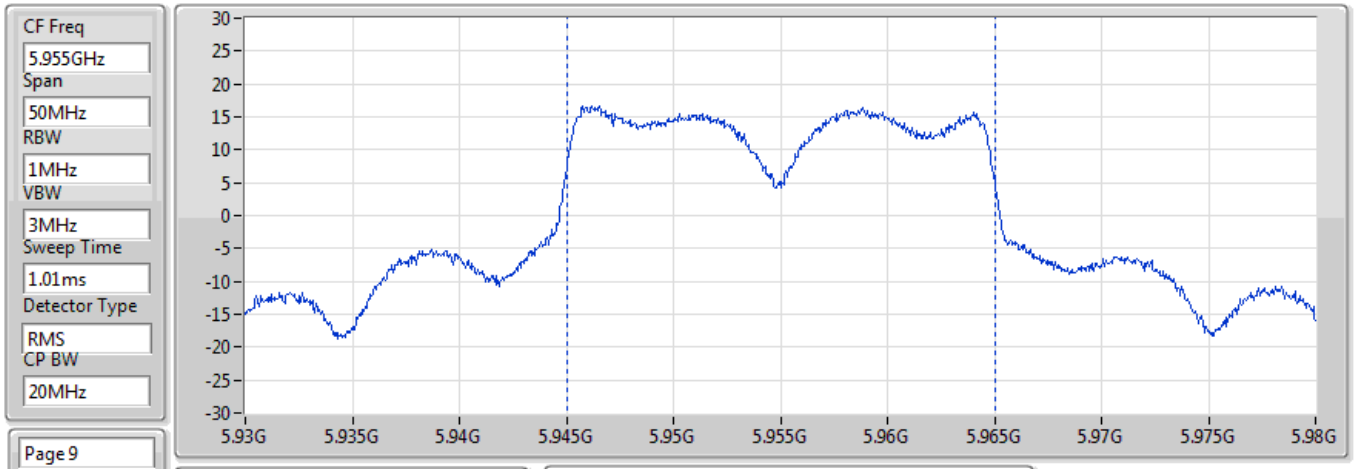


EIRP (dBm)
24.33

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.45	10.40	6.80	33.04	58.52

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5955MHz;TX

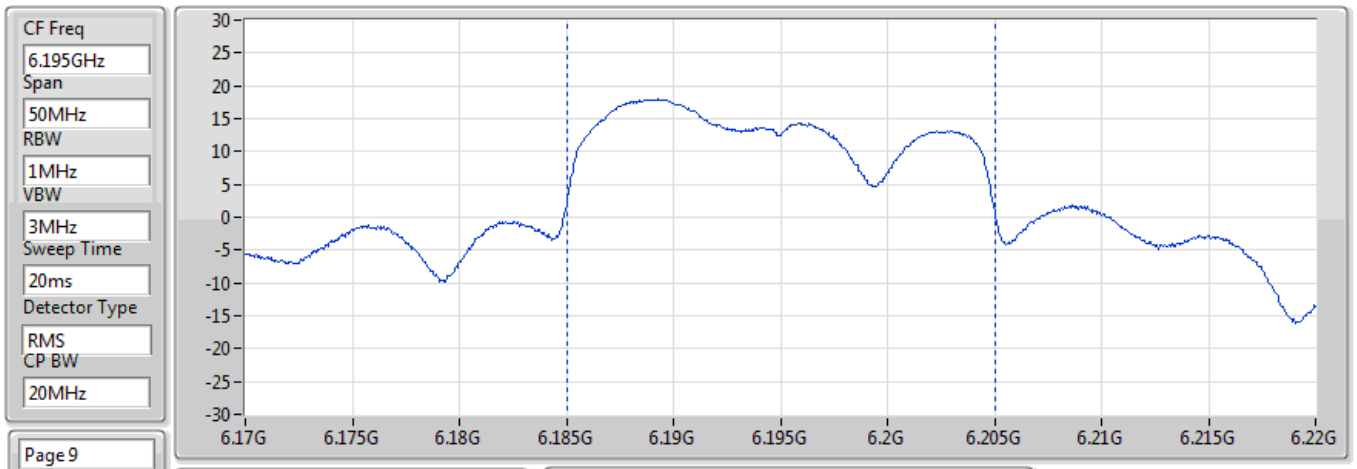


EIRP (dBm)
27.97

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.23	10.20	6.38	32.98	57.54

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6195MHz;TX

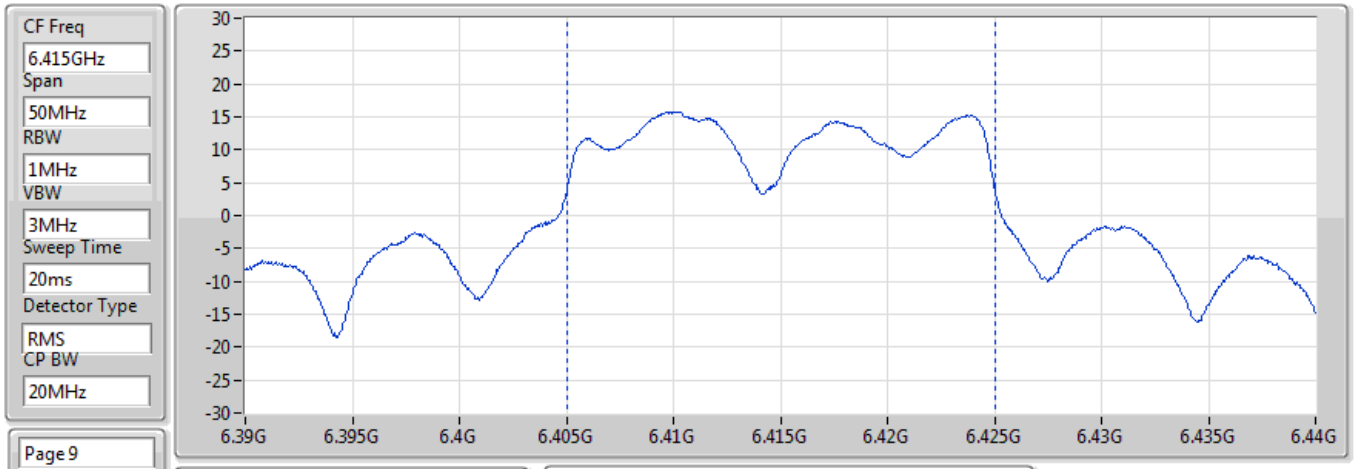


EIRP (dBm)
28.1

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.04	10.30	6.50	33.02	57.88

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

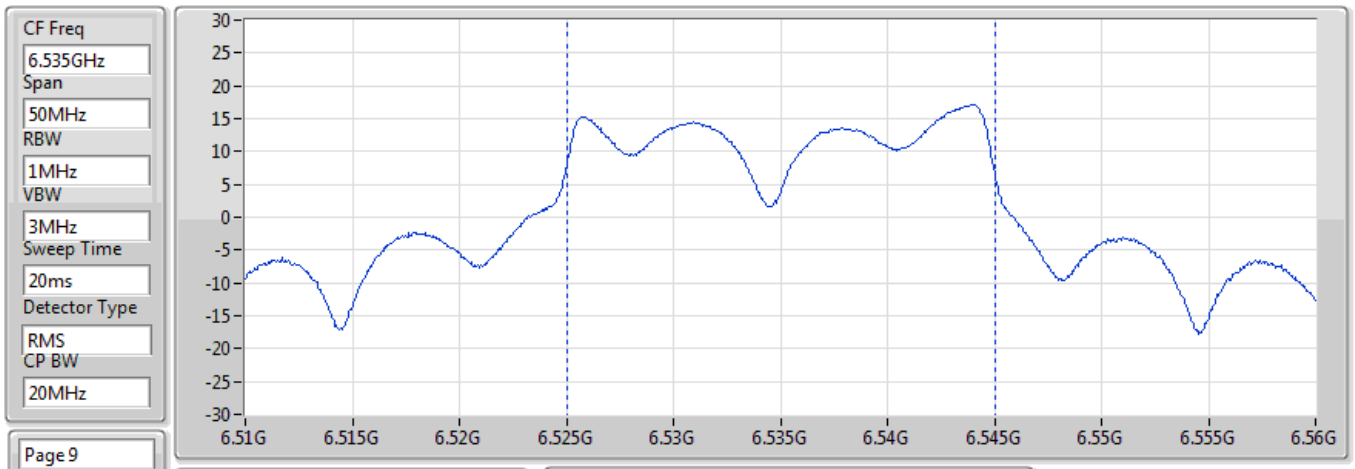


EIRP (dBm)
26.62

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
5.49	10.63	6.61	33.04	58.19

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

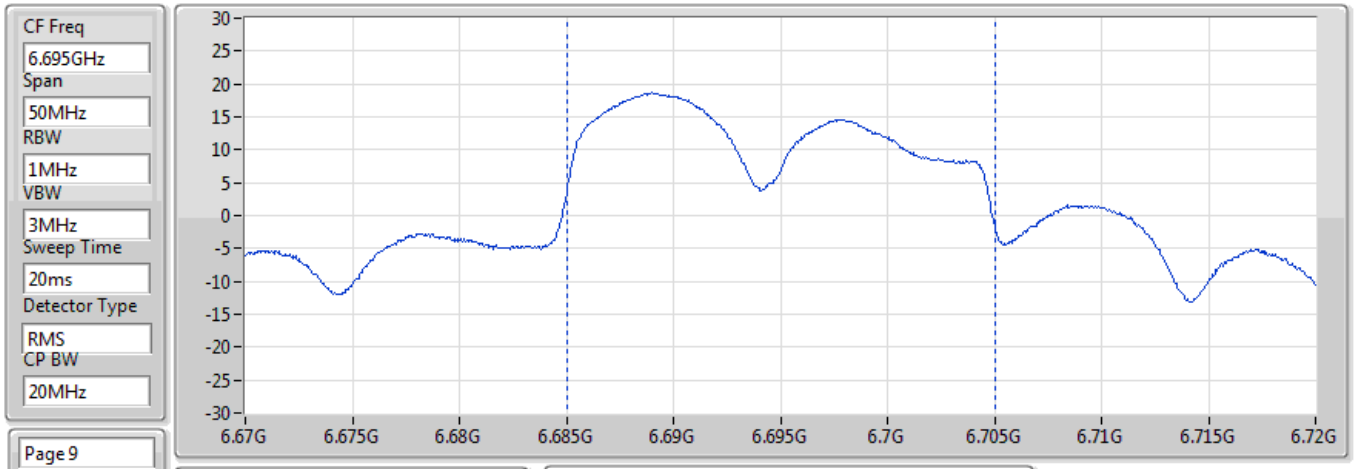


EIRP (dBm)
26.94

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
5.36	10.46	6.74	33.05	58.35

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

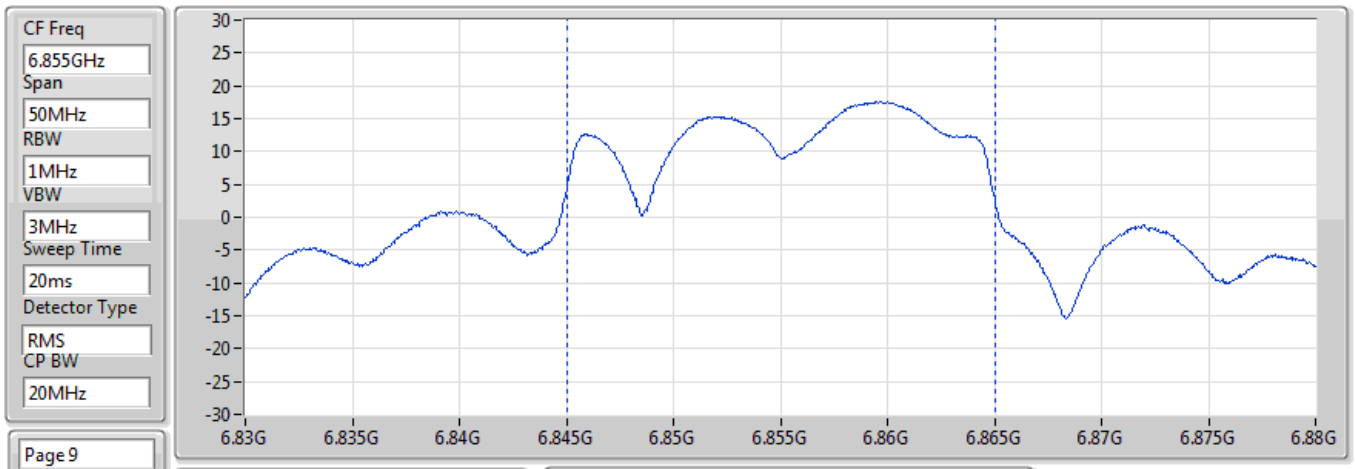


EIRP (dBm)
28.03

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.10	10.40	6.80	33.03	58.56

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

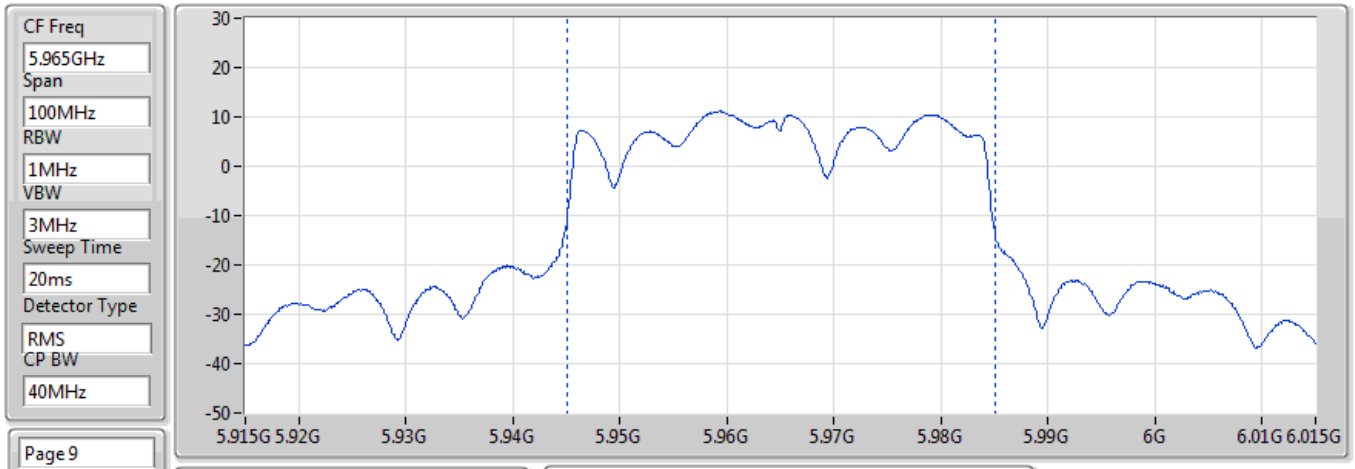


EIRP (dBm)
27.79

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
5.62	10.40	6.83	33.02	58.76

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5965MHz;TX

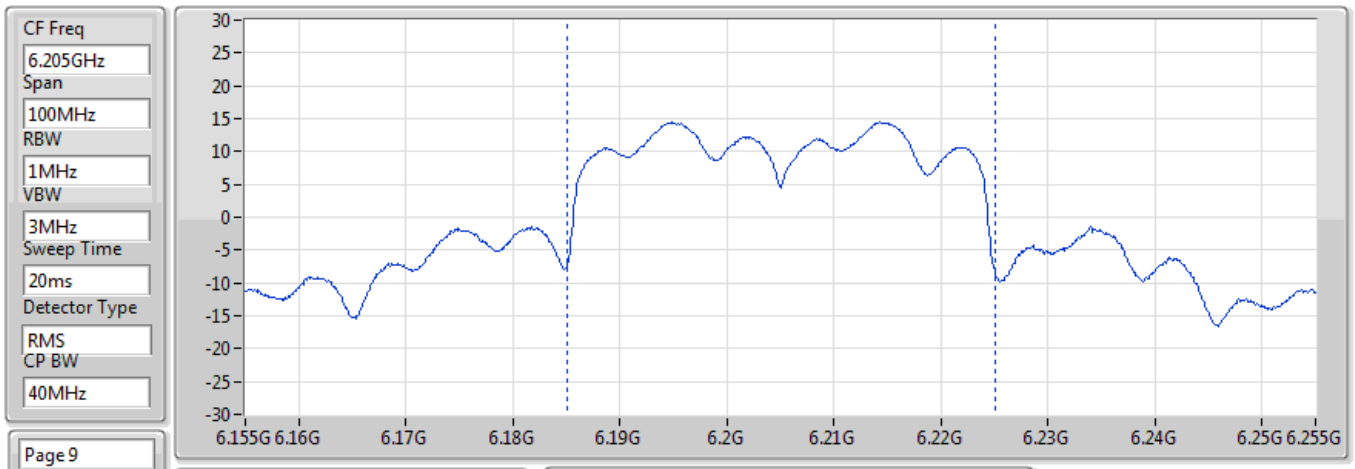


EIRP (dBm)
24.51

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
3.77	10.20	6.38	32.99	57.55

EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6205MHz;TX

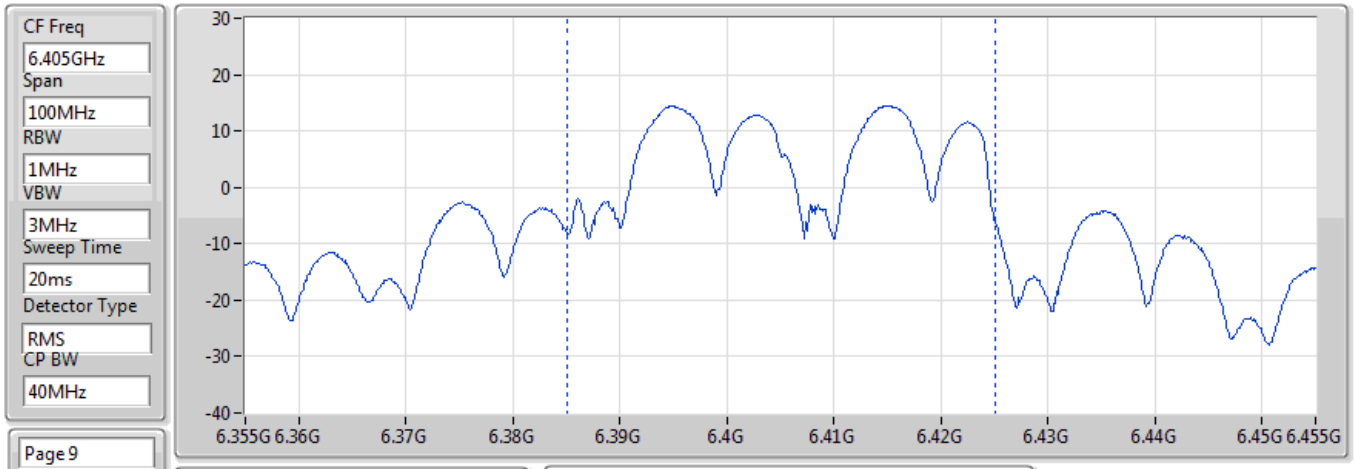


EIRP (dBm)
28.16

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.09	10.31	6.50	33.02	57.90

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

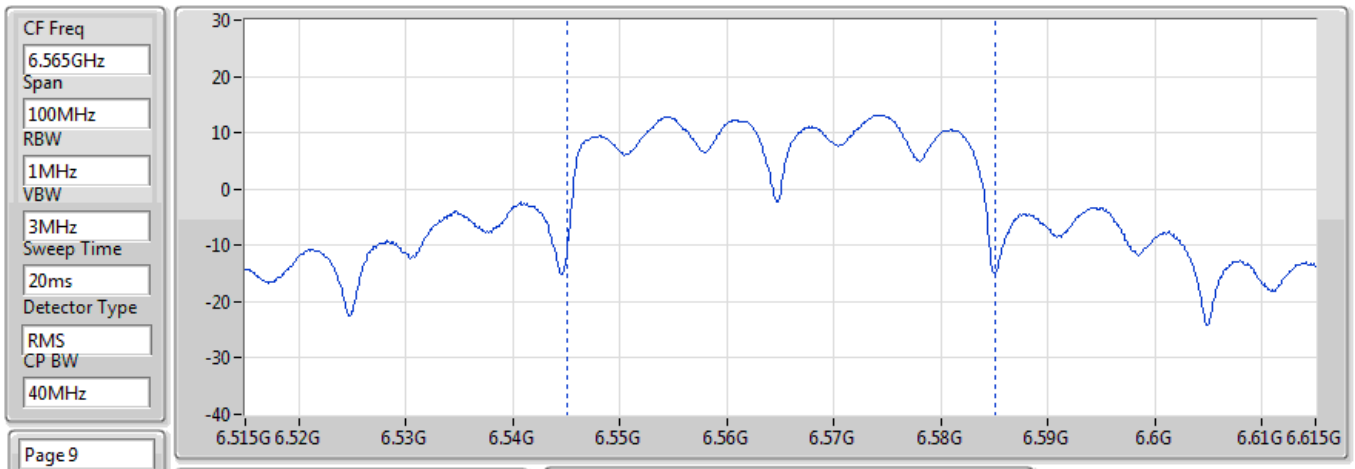


EIRP (dBm)
26.65

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
5.53	10.61	6.60	33.04	58.17

EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6565MHz;TX

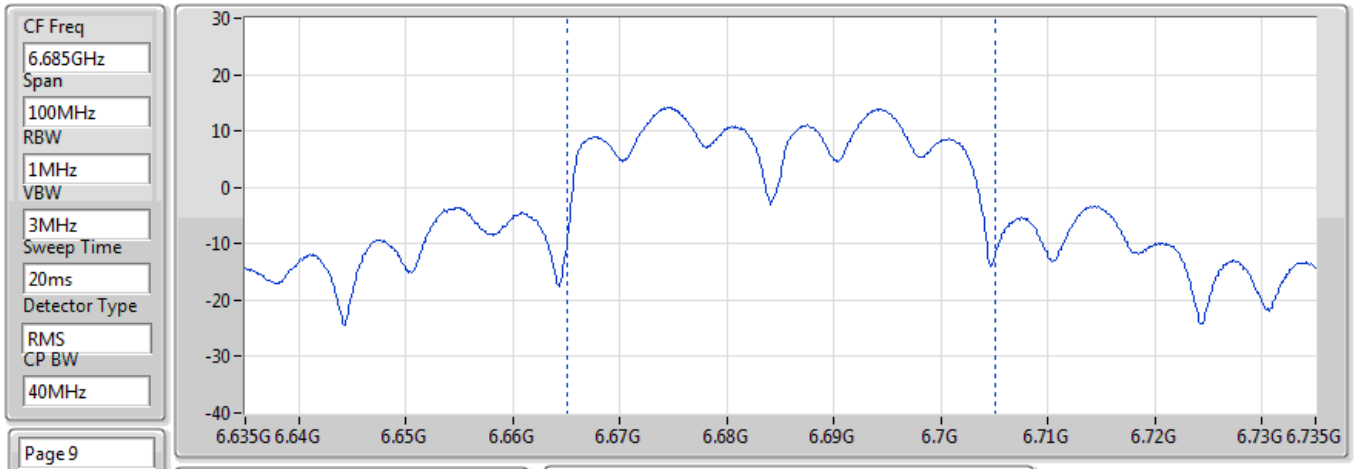


EIRP (dBm)
26.76

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
5.05	10.40	6.76	33.04	58.39

EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6685MHz;TX

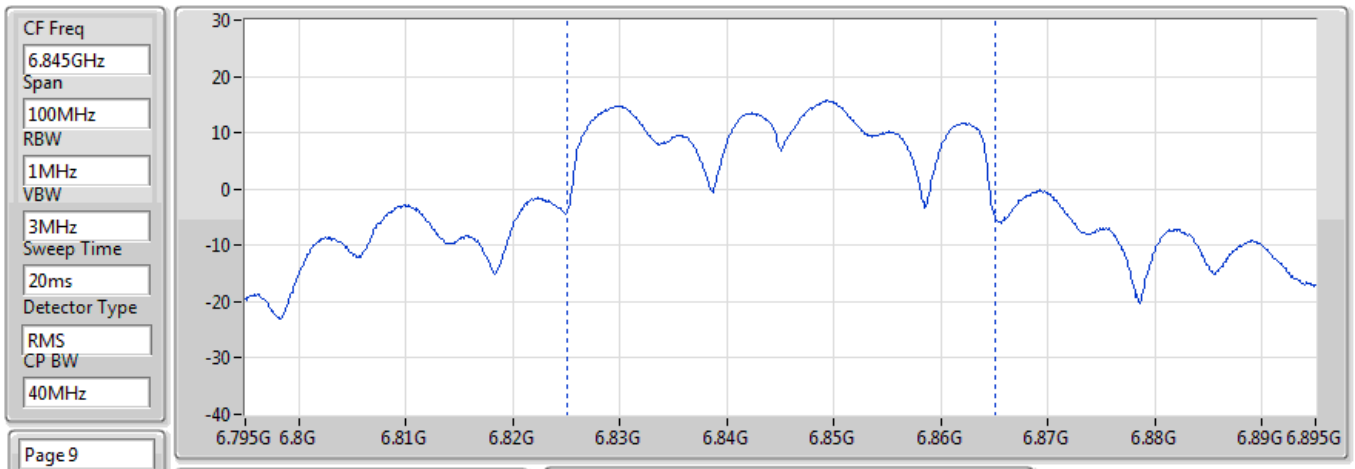


EIRP (dBm)
26.64

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
4.74	10.40	6.80	33.04	58.54

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

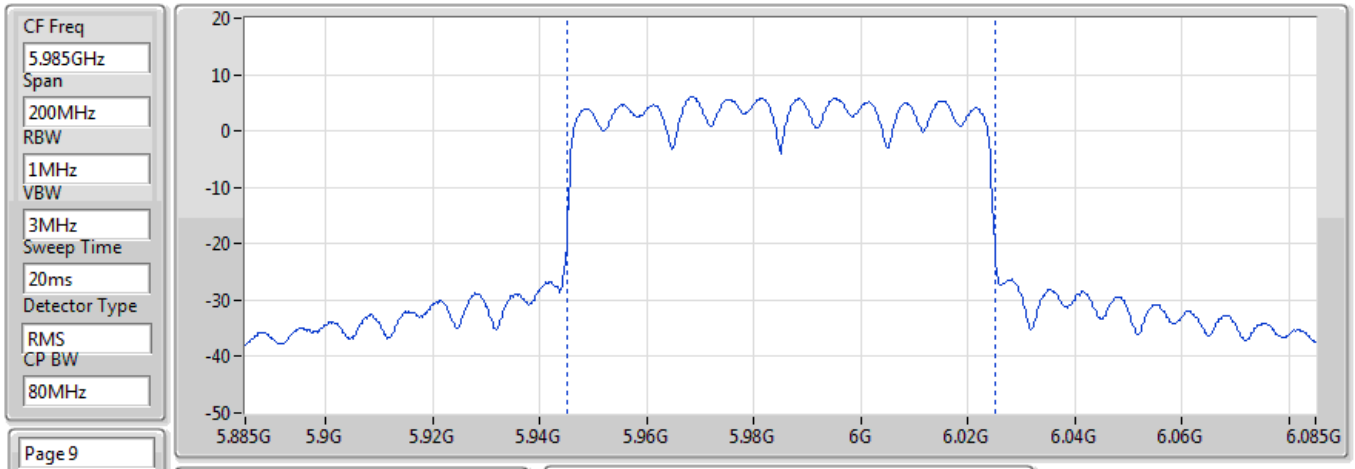


EIRP (dBm)
28.34

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.18	10.39	6.82	33.02	58.75

EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5985MHz;TX

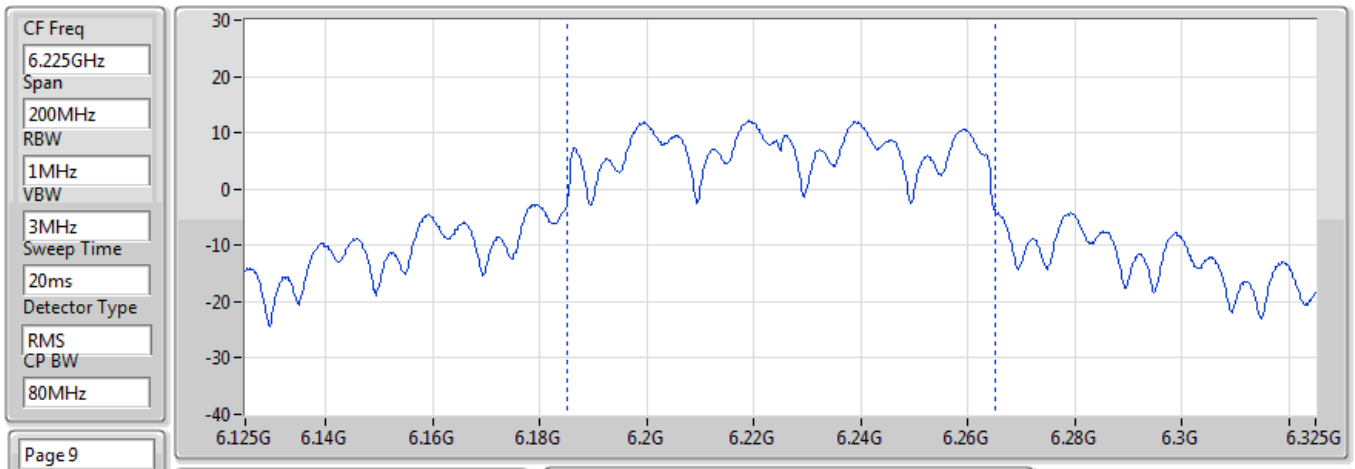


EIRP (dBm)
23.61

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.83	10.20	6.39	32.99	57.58

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

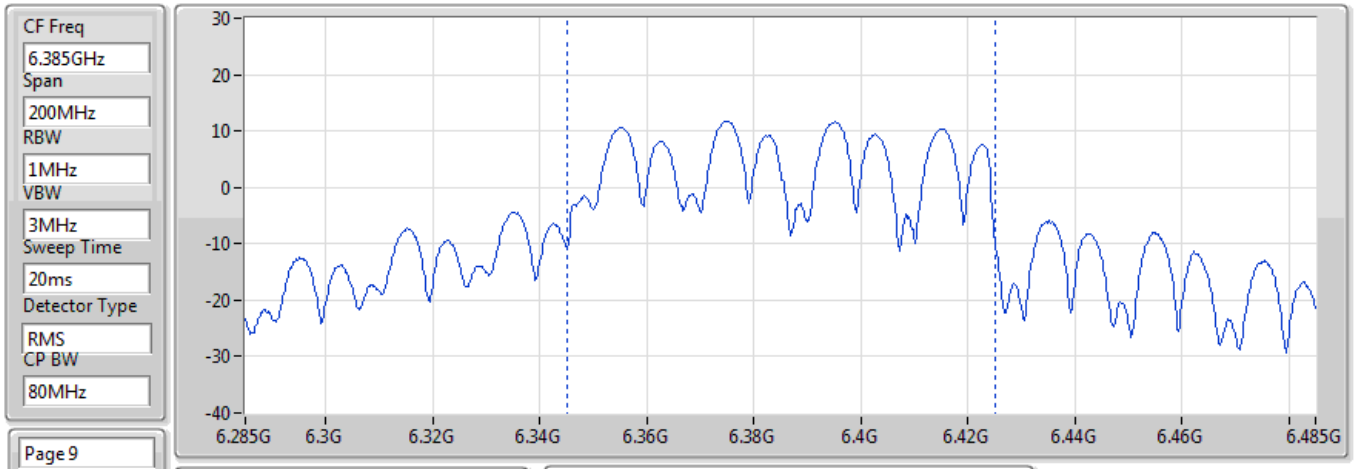


EIRP (dBm)
27.93

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.86	10.35	6.51	33.02	57.93

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

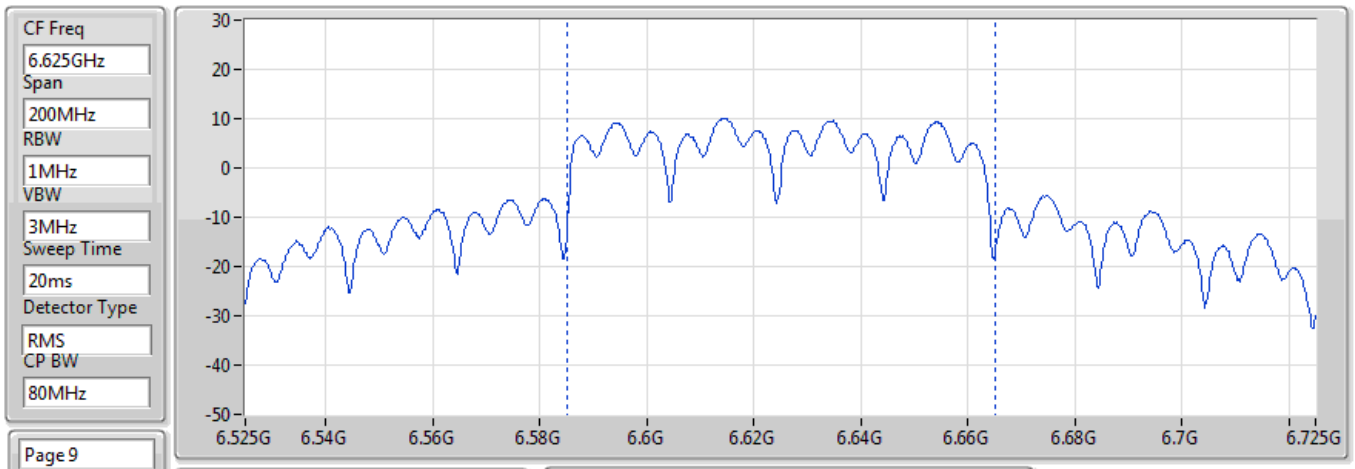


EIRP (dBm)
26.48

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
5.41	10.63	6.59	33.04	58.15

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

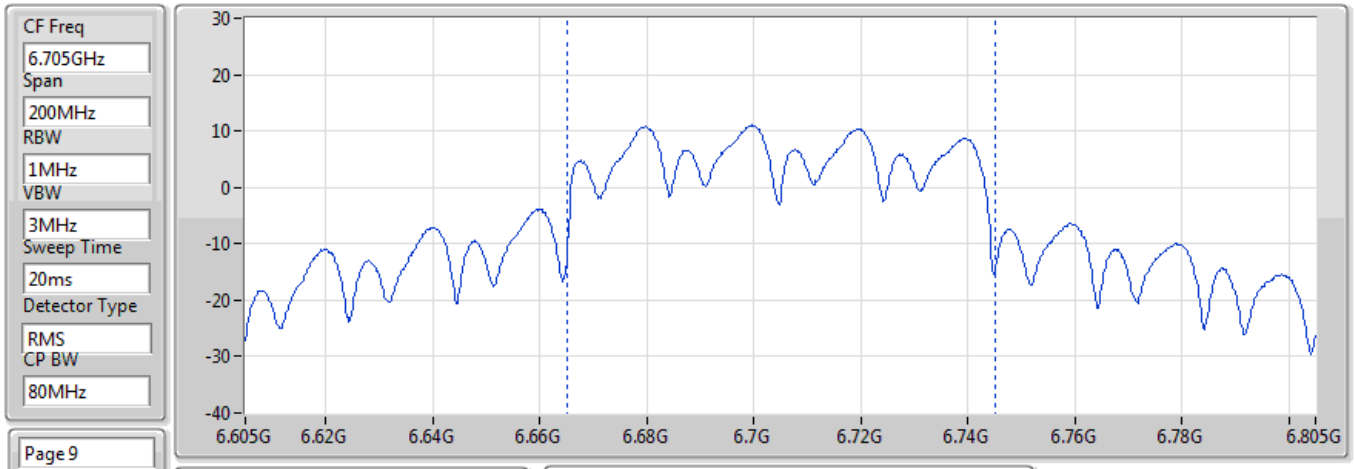


EIRP (dBm)
25.99

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
4.16	10.40	6.80	33.04	58.47

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

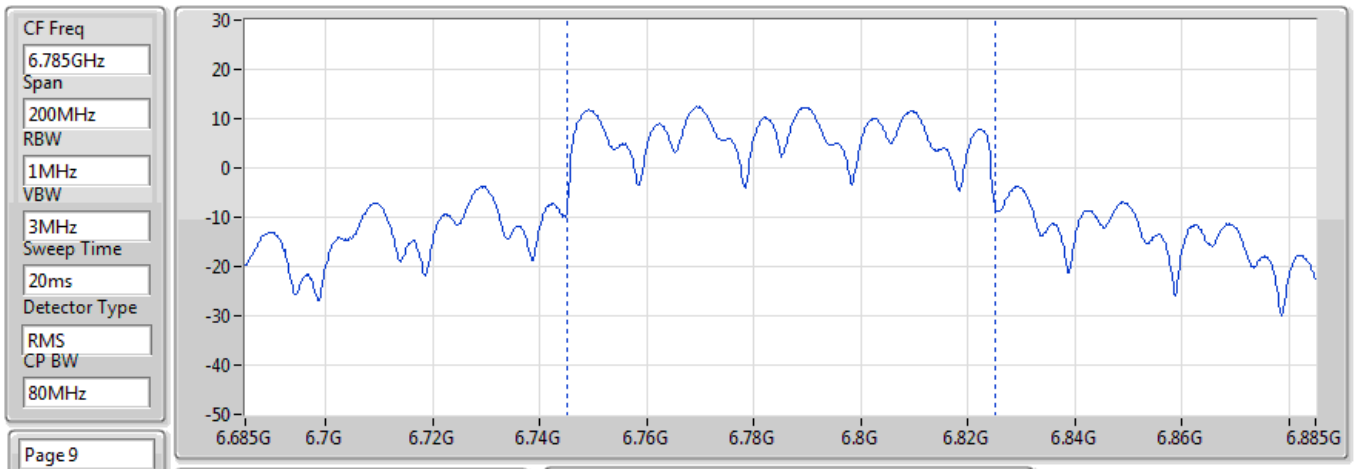


EIRP (dBm)
26.43

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
4.47	10.38	6.80	33.03	58.57

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



EIRP (dBm)
27.99

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
5.82	10.27	6.80	33.03	58.67