



FCC RADIO TEST REPORT

FCC ID : TKZAW7916-NPD
Equipment : WiFi 6E mini PCIe module
Brand Name : AsiaRF Co., Ltd.
Model Name : AW7916-AED
Applicant : AsiaRF Co., Ltd.
1F, 7, Houde Street, Yonghe Dist. New Taipei City
Taiwan 23455
Manufacturer : AsiaRF Co., Ltd.
1F, 7, Houde Street, Yonghe Dist. New Taipei City
Taiwan 23455
Standard : 47 CFR FCC Part 15.407

The product was received on Apr. 07, 2023, and testing was started from Jun. 10, 2023 and completed on Mar. 29, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Information.....	5
1.2 Applicable Standards	10
1.3 Testing Location Information	10
1.4 Measurement Uncertainty	11
2 Test Configuration of EUT.....	12
2.1 Test Channel Mode	12
2.2 The Worst Case Measurement Configuration	16
2.3 Support Equipment.....	17
2.4 Test Setup Diagram	18
3 Transmitter Test Result	20
3.1 AC Power-line Conducted Emissions	20
3.2 Emission Bandwidth	22
3.3 Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)	23
3.4 Peak Power Spectral Density (E.I.R.P.)	25
3.5 Unwanted Emissions.....	28
3.6 Contention Based Protocol.....	34
4 Test Equipment and Calibration Data	35
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULTS OF EMISSION BANDWIDTH	
APPENDIX C. TEST RESULTS OF MAXIMUM EQUIVALENT ISOTOPICALLY RADIATED POWER (E.I.R.P.)	
APPENDIX D. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY (E.I.R.P.)	
APPENDIX E. TEST RESULTS OF UNWANTED EMISSIONS	
APPENDIX F. TEST RESULTS OF CONTENTION-BASED PROTOCOL	
APPENDIX G. TEST RESULTS OF RADIATED EMISSION CO-LOCATION	
APPENDIX H. TEST RESULTS OF RADIATED EMISSION (SPOT CHECK)	
APPENDIX I. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



History of this test report

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: HE1-D1-1 Ver2.4
FCC ID: TKZAW7916-NPD

Page Number : 3 of 37
Issued Date : Dec. 12, 2024
Report Version : 02



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

None

Reviewed by: Sam Tsai

Report Producer: Amber Chiu



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925 ~ 7125	ax (HEW20)	5955 ~ 7115	1 ~ 233 [59]
5925 ~ 7125	ax (HEW40)	5965 ~ 7085	3 ~ 227 [29]
5925 ~ 7125	ax (HEW80)	6065 ~ 7025	23 ~ 215 [13]
5925 ~ 7125	ax (HEW160)	6025 ~ 6985	15 ~ 207 [7]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.925-6.425GHz	802.11ax HEW20	20	2TX
6.425-6.525GHz	802.11ax HEW20	20	2TX
6.525-6.875GHz	802.11ax HEW20	20	2TX
6.875-7.125GHz	802.11ax HEW20	20	2TX
5.925-6.425GHz	802.11ax HEW40	40	2TX
6.425-6.525GHz	802.11ax HEW40	40	2TX
6.525-6.875GHz	802.11ax HEW40	40	2TX
6.875-7.125GHz	802.11ax HEW40	40	2TX
5.925-6.425GHz	802.11ax HEW80	80	2TX
6.425-6.525GHz	802.11ax HEW80	80	2TX
6.525-6.875GHz	802.11ax HEW80	80	2TX
6.875-7.125GHz	802.11ax HEW80	80	2TX
5.925-6.425GHz	802.11ax HEW160	160	2TX
6.425-6.525GHz	802.11ax HEW160	160	2TX
6.525-6.875GHz	802.11ax HEW160	160	2TX
6.875-7.125GHz	802.11ax HEW160	160	2TX

**Beamforming**

Band	Mode	BWch (MHz)	Nant
5.925-6.425GHz	802.11ax HEW20-BF	20	2TX
6.425-6.525GHz	802.11ax HEW20-BF	20	2TX
6.525-6.875GHz	802.11ax HEW20-BF	20	2TX
6.875-7.125GHz	802.11ax HEW20-BF	20	2TX
5.925-6.425GHz	802.11ax HEW40-BF	40	2TX
6.425-6.525GHz	802.11ax HEW40-BF	40	2TX
6.525-6.875GHz	802.11ax HEW40-BF	40	2TX
6.875-7.125GHz	802.11ax HEW40-BF	40	2TX
5.925-6.425GHz	802.11ax HEW80-BF	80	2TX
6.425-6.525GHz	802.11ax HEW80-BF	80	2TX
6.525-6.875GHz	802.11ax HEW80-BF	80	2TX
6.875-7.125GHz	802.11ax HEW80-BF	80	2TX
5.925-6.425GHz	802.11ax HEW160-BF	160	2TX
6.425-6.525GHz	802.11ax HEW160-BF	160	2TX
6.525-6.875GHz	802.11ax HEW160-BF	160	2TX
6.875-7.125GHz	802.11ax HEW160-BF	160	2TX

Note:

- HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.
- The channel defined in the IEEE Standard P802.11ax™/D6.1.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	AsiaRF Co., Ltd.	ANTS0WF602M02001	Dipole antenna	I-PEX
2	AsiaRF Co., Ltd.	ANTS0WF602M02001	Dipole antenna	I-PEX
3	AsiaRF Co., Ltd.	ANTS0WF602M02001	Dipole antenna	I-PEX

Ant.	Port	Gain (dBi)		
		2.4G	5G	6G
1	1	5	5	5
2	2	5	5	5
3	3	-	5	5

Note 1: The EUT has three antennas.

Note 2: The Ant. 3 is only for DFS RX and MRC function.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (2TX/3RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit simultaneously.

Ant. 1 (port 1) and Ant. 2 (port 2) and Ant.3 (port 3) could receive simultaneously.

For 6GHz function:

For IEEE 802.11 a/ax mode (2TX/3RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit simultaneously.

Ant. 1 (port 1) and Ant. 2 (port 2) and Ant.3 (port 3) could receive simultaneously.

Note 3: Directional gain information

	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{IS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{IS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{IS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

**1.1.3 EUT Information**

Operational Condition				
EUT Power Type	From Test fixture			
EUT Function	☐	Indoor Access Point	☐	Subordinate
	☒	Indoor Client	☐	Standard Power Access Point
	☐	Dual Client	☐	Standard Client
	☐	Fixed Client		
Beamforming Function	☒	With beamforming	☐	Without beamforming
Resource Unit(802.11ax)	☒	Full RU	☐	Partial RU
Software / Firmware Version for CBP			OpenWrt 21.02-SNAPSHOT r16859-7576fe5669/LuCI Master git-23.139.28955-5d7f46c	
Type of EUT				
☒	Stand-alone			
☐	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.:		...	
☐	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:			
☐	Other:			

Note: The above information was declared by manufacturer.

1.1.4 Mode Test Duty Cycle**Non-Beamforming**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20_Nss1,(MCS0)_2TX	0.948	0.23	1.027m	1k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.847	0.72	312.5u	10k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.841	0.75	297.188u	10k
802.11ax HEW160_Nss1,(MCS0)_2TX	0.763	1.17	180.313u	10k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.948	0.23	1.027m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.847	0.72	312.5u	10k
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.841	0.75	297.188u	10k
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	0.763	1.17	180.313u	10k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.



1.1.5 Table for Multiple Listing

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

Model Name	Description
AW7916-NPD, AW7916-AED	AW7916-AED is M.2 AE key interface module and AW7619-NPD is Mini PCIe interface module.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR2D0804AE.

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

Modifications	Performance Checking
1. Add Model Name. (AW7916-AED) 2. Photographs Of EUT was update.	The worst case of Radiated Unwanted Emissions was evaluated, and the test result of original report was found to be the worst case scenario.



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
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v02r01

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

- ♦ KDB 987594 D01 v02r01
- ♦ KDB 987594 D02 v02r01
- ♦ KDB 662911 D01 v02r01
- ♦ KDB 412172 D01 v01r01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Nick Wu	24.7~25.7°C / 55.9~57.6%	13/Jun/2023~14/Jun/2023
RF Conducted	TH01-HY	Johnny Yu	21.9~22.6°C / 54~59%	10/Jun/2023-16/Jun/2023
Radiated (Below1G)	03CH02-HY	Vasari Huang	26.4~26.7°C / 61.3~64.8%	14/Jun/2023
Radiated (Co-location)	03CH03-HY	Ivan Chung	25.4~25.9°C / 60.3~62.1%	20/Jun/2023
Contention-Based Protocol	DFS03-HY	John Yang	22.2~25.1°C / 50~58%	07/Aug/2023~09/Aug/2023
☒ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated (Above1G)	03CH09-HY	Henry Ho	25.9~26.2°C / 60.8~66.6%	13/Jun/2023
Radiated (Spot check)	03CH09-HY	Simon Cheng	21.9~23.4°C / 53~55%	29/Mar/2024



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
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Emission Bandwidth	1.5 MHz	Confidence levels of 95%
Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)	1.2 dB	Confidence levels of 95%
Peak Power Spectral Density (E.I.R.P.)	1.2 dB	Confidence levels of 95%
Unwanted Emissions	4.8 dB	Confidence levels of 95%
Contention-Based Protocol	1 ms	Confidence levels of 95%
Frequency Stability	1.18 ppm	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	QATool_Dbg V 0.0.2.73
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Non-Beamforming

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5955MHz	5
6175MHz	4.5
6415MHz	4
6435MHz	4.5
6475MHz	4
6515MHz	4.5
6535MHz	4
6695MHz	5
6855MHz	5
6875MHz	5
6895MHz	4.5
6995MHz	4.5
7095MHz	5.5
7115MHz	5.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5965MHz	7
6165MHz	6.5
6405MHz	5.5
6445MHz	6
6485MHz	5.5
6525MHz	5.5
6565MHz	6
6685MHz	6.5
6845MHz	7
6885MHz	7
6925MHz	7.5
7005MHz	5.5
7085MHz	6.5



Mode	Power Setting
802.11ax HEW80_Nss1,(MCS0)_2TX	-
6065MHz	9.5
6145MHz	10
6385MHz	9.5
6465MHz	9
6545MHz	9.5
6625MHz	9.5
6705MHz	9.5
6785MHz	10.5
6865MHz	10.5
6945MHz	10
7025MHz	9.5
802.11ax HEW160_Nss1,(MCS0)_2TX	-
6025MHz	14
6185MHz	14.5
6345MHz	13.5
6505MHz	14.5
6665MHz	14
6825MHz	14.5
6985MHz	14.5

**Beamforming**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5955MHz	5
6175MHz	4.5
6415MHz	4
6435MHz	4.5
6475MHz	4
6515MHz	4.5
6535MHz	4
6695MHz	5
6855MHz	5
6875MHz	5
6895MHz	4.5
6995MHz	4.5
7095MHz	5.5
7115MHz	5.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5965MHz	7
6165MHz	6.5
6405MHz	5.5
6445MHz	6
6485MHz	5.5
6525MHz	5.5
6565MHz	6
6685MHz	6.5
6845MHz	7
6885MHz	7
6925MHz	7.5
7005MHz	5.5
7085MHz	6.5
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
6065MHz	9.5
6145MHz	10
6385MHz	9.5
6465MHz	9
6545MHz	9.5



Mode	Power Setting
6625MHz	9.5
6705MHz	9.5
6785MHz	10.5
6865MHz	10.5
6945MHz	10
7025MHz	9.5
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-
6025MHz	14
6185MHz	14.5
6345MHz	13.5
6505MHz	14.5
6665MHz	14
6825MHz	14.5
6985MHz	14.5



2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Peak Power Spectral Density (E.I.R.P.) Unwanted Emissions Contention Based Protocol Frequency Stability
Test Condition	Conducted measurement at transmit chains

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		
1	Fixture Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4GHz+WLAN 5GHz
2	WLAN 2.4GHz+WLAN 6GHz
Refer to Sporton Test Report No.: FA2D0804-01 for Co-location RF Exposure Evaluation and Appendix H for Radiated Emission Co-location.	

2.3 Support Equipment

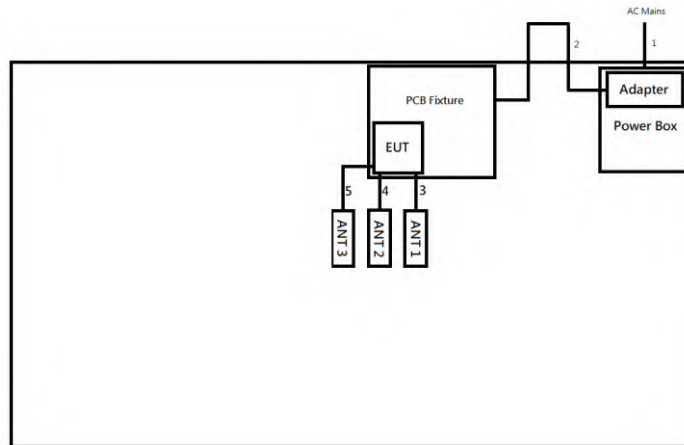
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	iDRC	CW1201000	-	Provided by Customer
2	PCB fixture	N/A	N/A	-	Provided by Customer
3	Antenna*3	AsiaRF Co., Ltd.	ANTS0WF602M02001	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Adapter	iDRC	CW1201000	-	Provided by Customer
4	PCB fixture	N/A	N/A	-	Provided by Customer

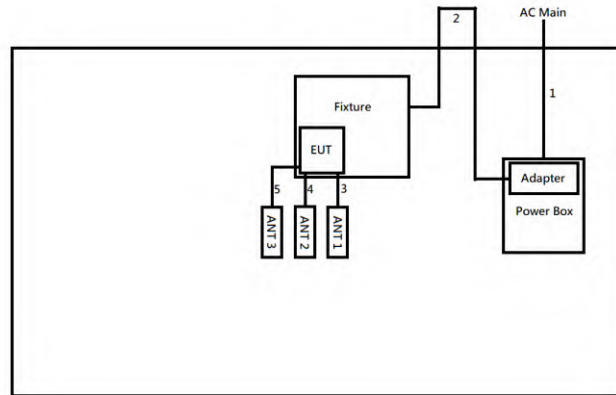
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	iDRC	CW1201000	-	Provided by Customer
2	PCB fixture	N/A	N/A	-	Provided by Customer
3	Antenna*3	AsiaRF Co., Ltd.	ANTS0WF602M02001	-	Provided by Customer

2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	Antenna Cable	No	0.1	-
4	Antenna Cable	No	0.1	-
5	Antenna Cable	No	0.1	-

Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	Antenna Cable	No	0.1	-
4	Antenna Cable	No	0.1	-
5	Antenna Cable	No	0.1	-



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

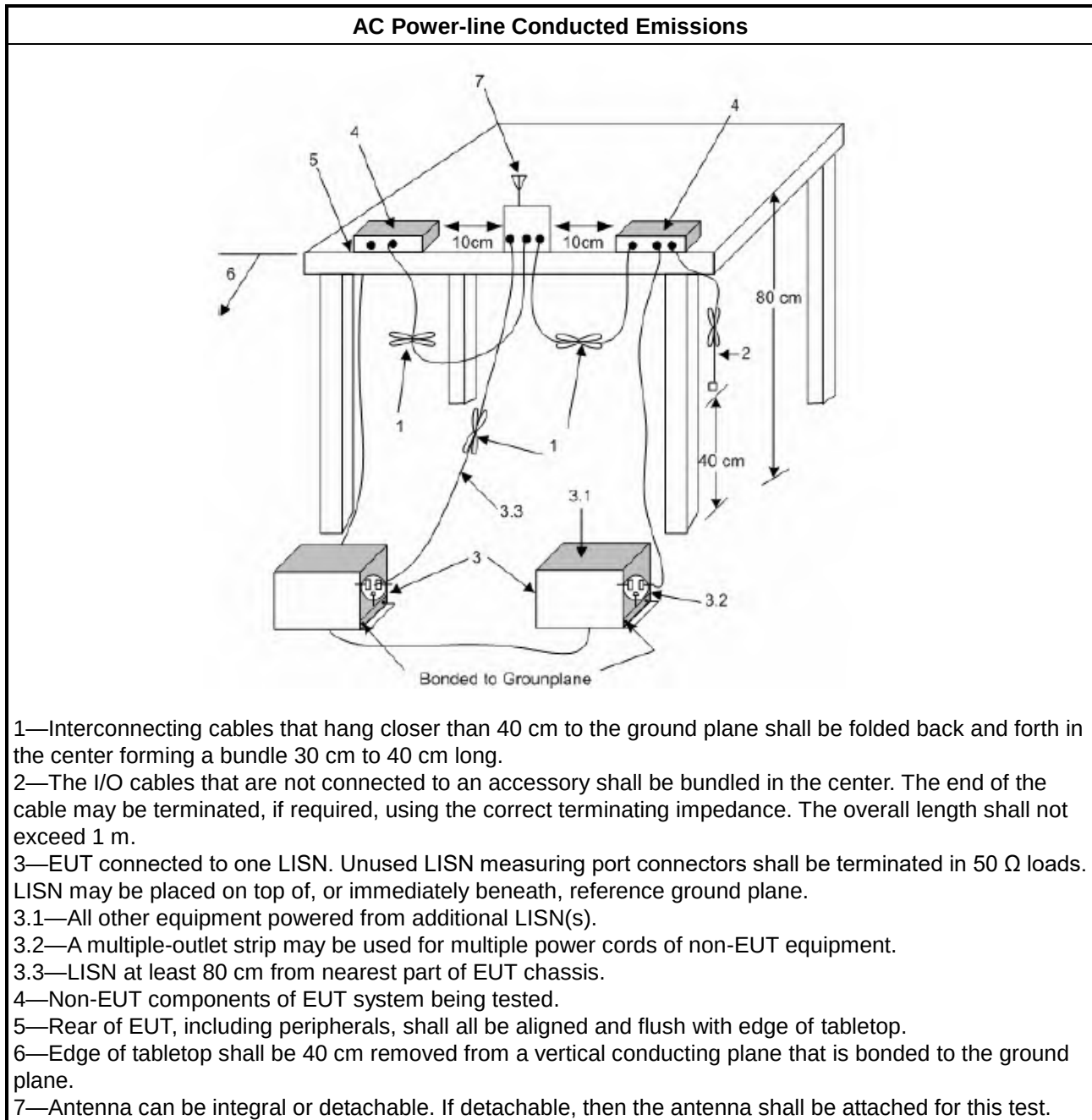
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

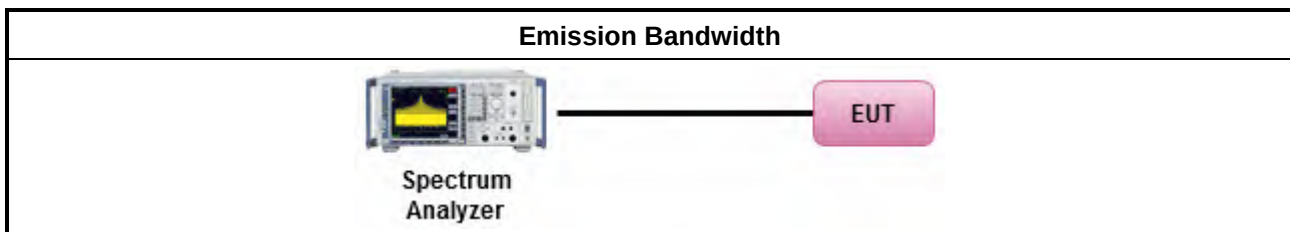
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



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

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

Maximum Equivalent Isotropically 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.

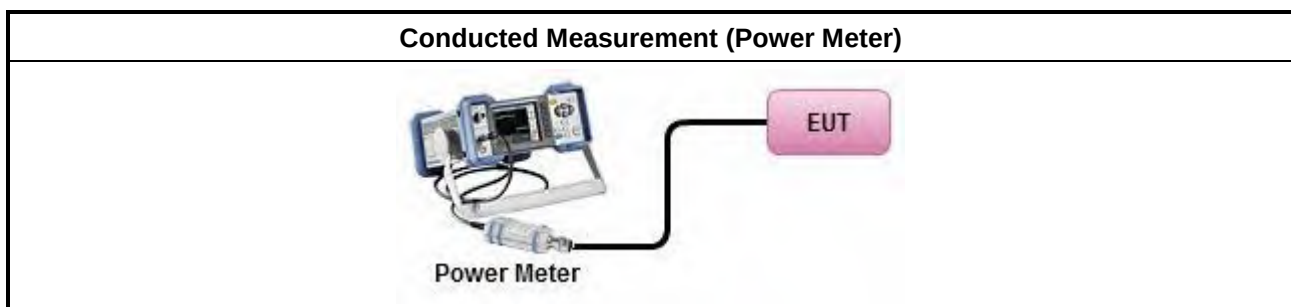
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Output Power Setting	
	Duty cycle $\geq 98\%$
☐	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☒	Refer as FCC KDB 789033, 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, 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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
☐	For radiated measurement.
	- Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. - Refer as FCC KDB 789033, clause II A.1.F "Antenna-port Conducted versus Radiated Testing" - Refer as KDB 412172, clause 2.2 for EIRP calculation.

3.3.4 Test Setup



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

Refer as Appendix C



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

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

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

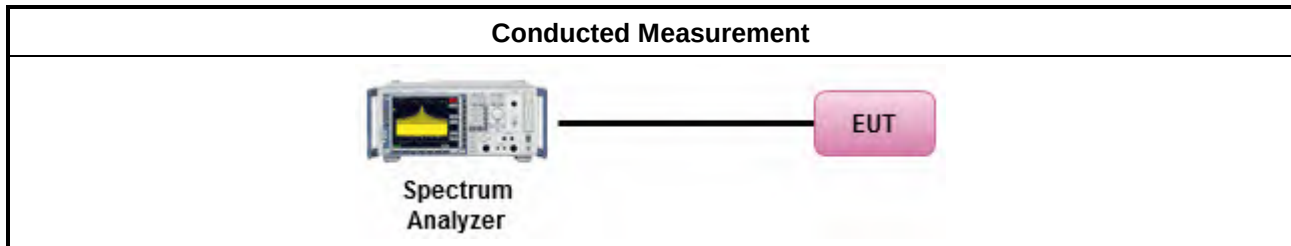
3.4.2 Measuring Instruments

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

**3.4.3 Test Procedures**

Test Method	
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, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
☒	Refer as FCC KDB 789033, clause E Method SA-2. (spectral trace averaging)
☐	Refer as FCC KDB 789033, 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: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	
☐ For radiated measurement.	
Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
Refer as KDB 789033, clause II A.1.F "Antenna-port Conducted versus Radiated Testing"	
Refer as KDB 412172, clause 2.2 for EIRP calculation.	

3.4.4 Test Setup



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

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

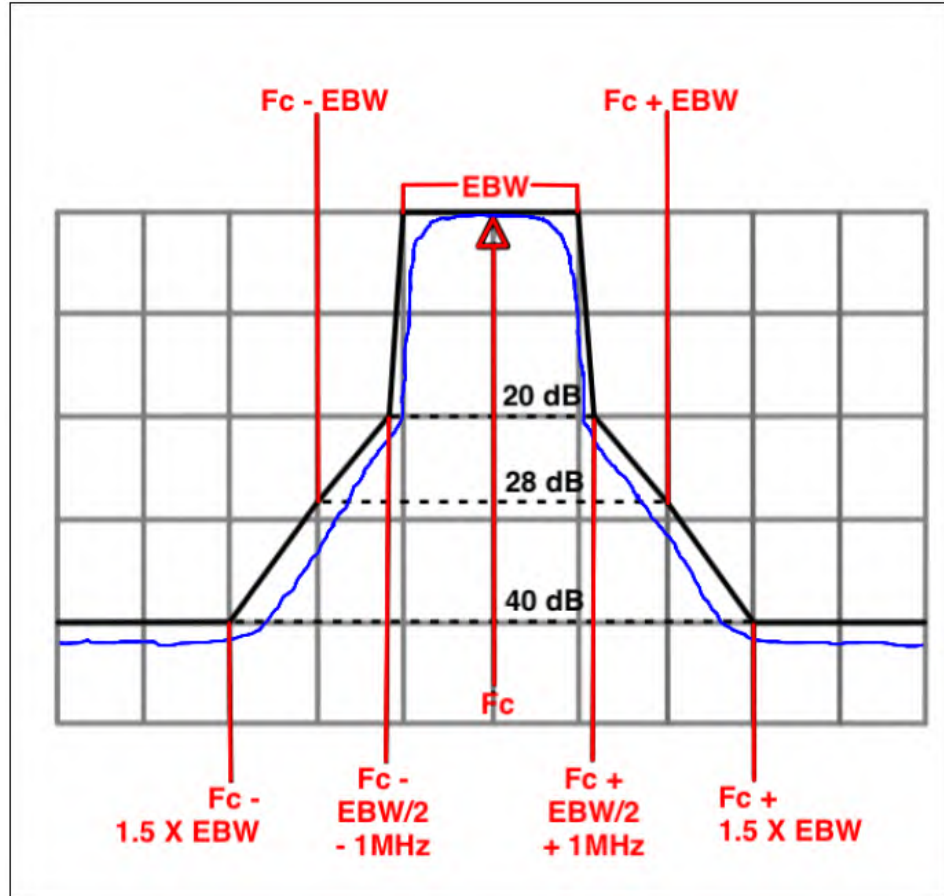
Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance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

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

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m($20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$).
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($20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$). EX. Above 18GHz emission limit calculation (3m to 1m) = 68.2dBuV/m at 3m + 9.54dB = 77.74 dBuV/m at 1m.
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. The channel bandwidth is defined as 26 dB EBW.





3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
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 $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging). (For unrestricted band measurement)
	☐ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
	☒ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 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, 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, clause G)3)d)ii) for Band edge Integration measurements.
For emission MASK shall be measured using following options below:	
	☒ Refer as 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.	



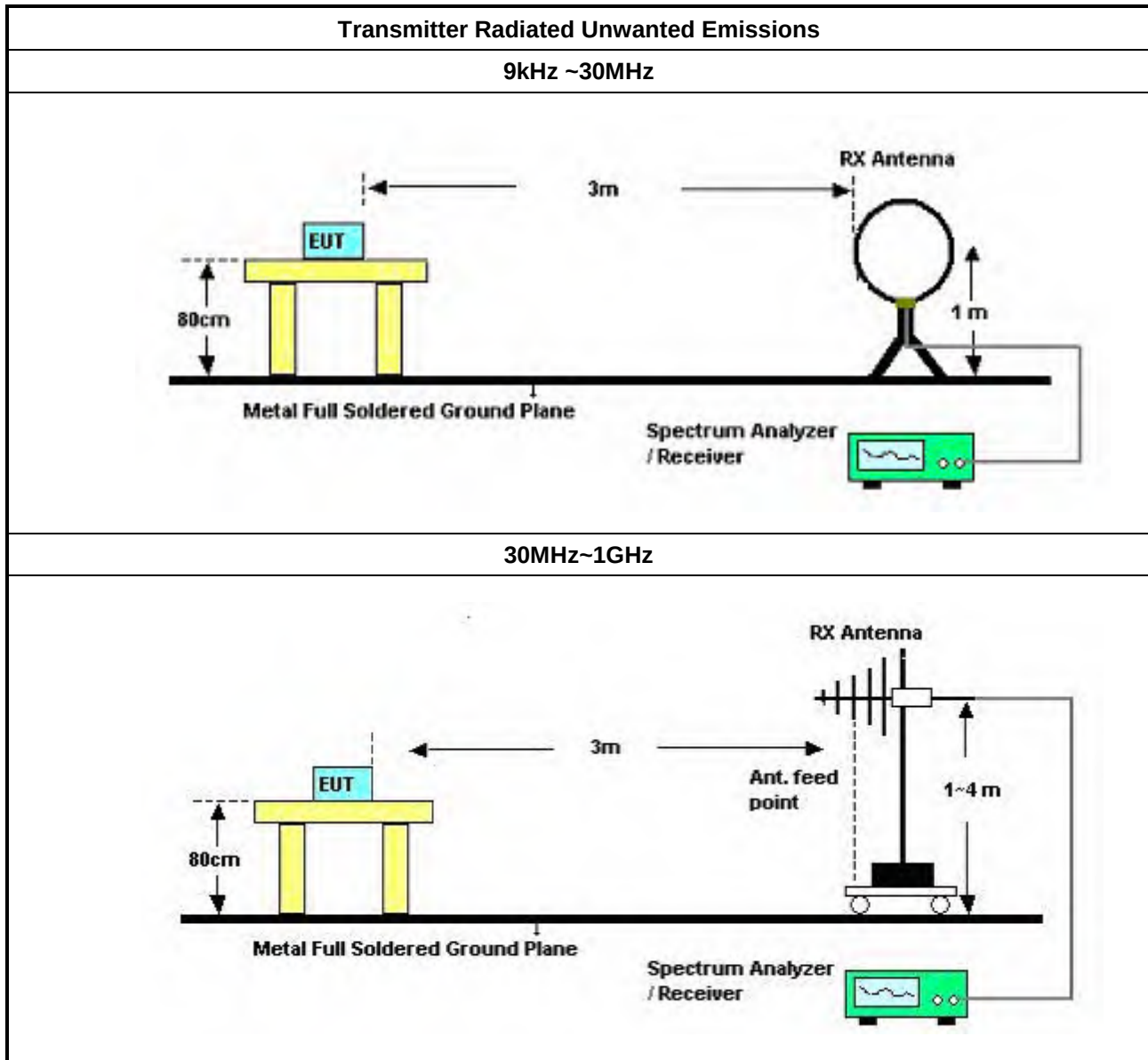
▪ Use the following spectrum analyzer settings:	
	▪ Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	▪ Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	▪ Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

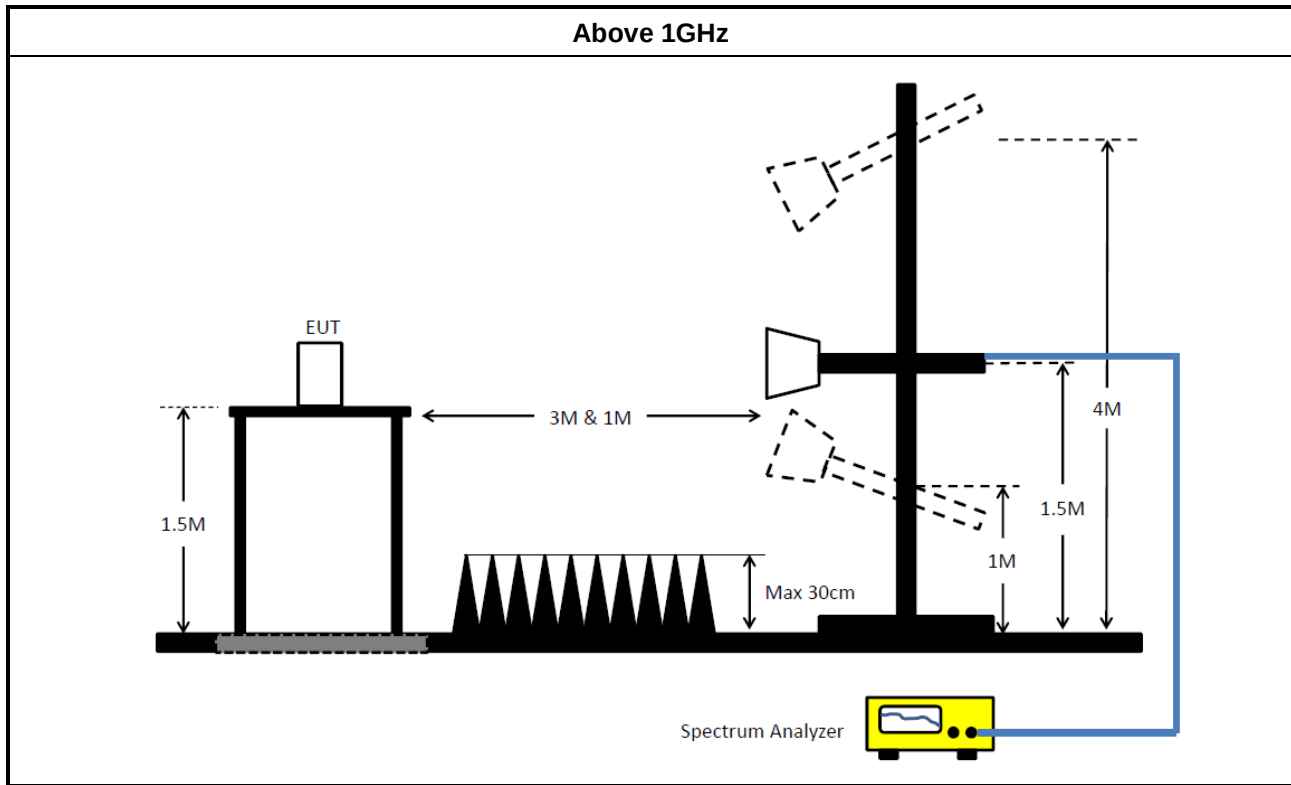
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.5.5 Test Setup





3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Contention Based Protocol

3.6.1 Contention Based Protocol Limit

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

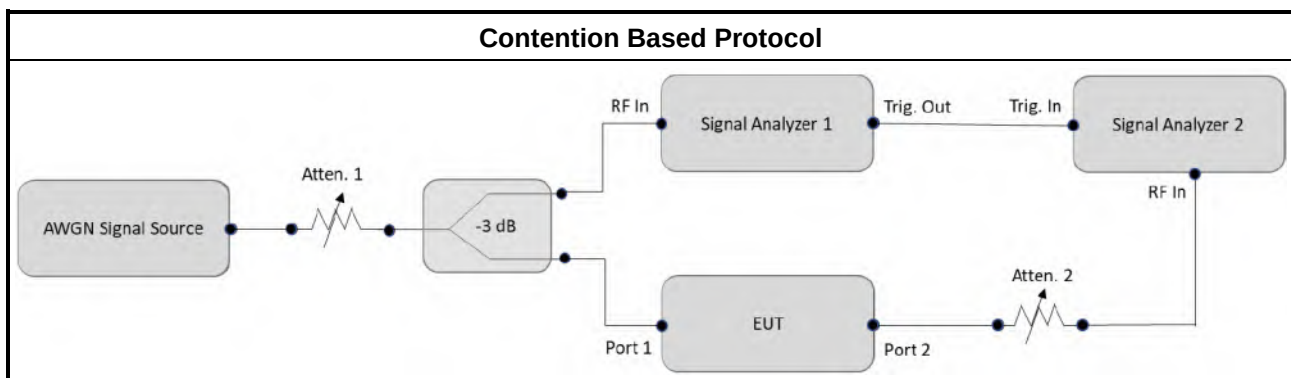
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method	
■	For Contention Based Protocol shall be measured using following options below:
☒	Refer as KDB 987594 D02, I) Contention Based Protocol.

3.6.4 Test Setup



3.6.5 Test Result of Contention Based Protocol

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102318	9kHz ~ 3.6GHz	29/Dec/2022	28/Dec/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	16/Feb/2023	15/Feb/2024
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	28/Feb/2023	27/Feb/2024
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	25/Oct/2022	24/Oct/2023
Software	Sporton	SENSE-EMI	V5.10.8.7	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	10/Apr/2023	09/Apr/2024
Programmable Temp. & Humi. Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20~100℃	17/May/2023	16/May/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	15/Feb/2023	14/Feb/2024
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	15/Feb/2023	14/Feb/2024
SENSE-15407_NII	Sporton	V5.11.6	N/A	N/A	N/A	N/A

Instrument for Contention-Based Protocol Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP30	100793	9 kHz ~ 30GHz	14/Jun/2023	13/Jun/2024
Vector Signal Generator	R&S	SMW200A	111529	100kHz~7.5GHz	20/Mar/2023	19/Mar/2024
DFS-Adaptivity	Sporton	Ver 2.7	N/A	N/A	N/A	N/A
Adaptivity Analysis-5G	Sporton	Ver 2.8	N/A	N/A	N/A	N/A

**Instrument for Radiated Test (03CH02-HY)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	31/Jul/2022	30/Jul/2023
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	28/Jun/2022	27/Jun/2023
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	9kHz~30MHz	20/Dec/2022	19/Dec/2023
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	30MHz~1GHz	20/Dec/2022	19/Dec/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	26/May/2023	25/May/2024
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	25/Mar/2023	24/Mar/2024
SENSE-15407_NII	Sporton	NA	V5.11.6	NA	NA	NA

Instrument for Radiated Test (03CH09-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Site V.S.W.R	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	14/Mar/2023	13/Mar/2024
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	30/Dec/2022	29/Dec/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	21/Feb/2023	20/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
SENSE-15407_NII	Sporton	Sporton	V5.11.6	NA	NA	NA

**Instrument for Radiated Test (Co-location)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	02/Aug/2022	01/Aug/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2022	25/Oct/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-01	1GHz~40GHz	27/Jul/2022	26/Jul/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Prempplier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
Microwave Prempplier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
SENSE-EMI	Sporton	v5.11	NA	NA	NA	NA

Instrument for Radiated (Spot check)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	08/Mar/2024	07/Mar/2024
Site V.S.W.R	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	07/Mar/2024	06/Mar/2024
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	10/Aug/2023	09/Aug/2024
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	07/Apr/2023	06/Apr/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	20/Dec/2023	19/Dec/2024
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	21/Jul/2023	20/Jul/2024
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	27/Aug/2023	26/Aug/2024
RF Cable-R03m	Jye Bao	RG142	03CH09-cable-01	9kHz~1GHz	20/Feb/2024	19/Feb/2025
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	20/Feb/2024	19/Feb/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	26/May/2023	25/May/2024
SENSE-NII-15.407	Sporton	V5.11.17	NA	NA	NA	NA



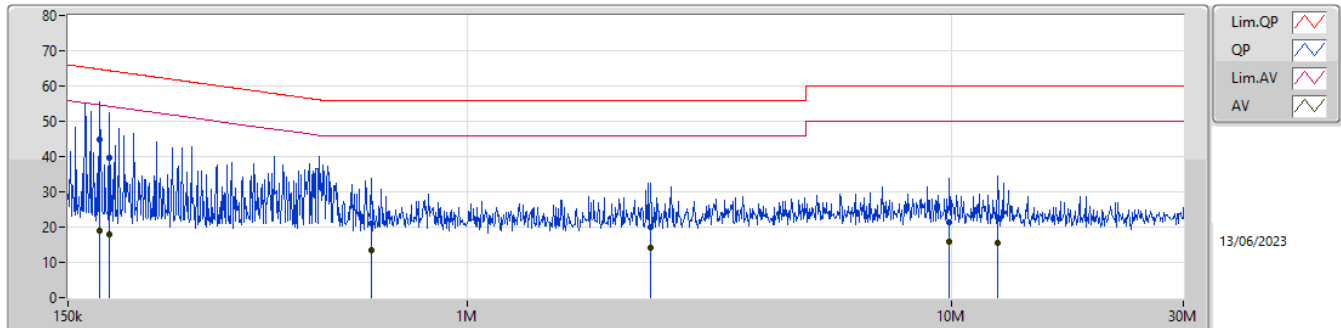
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	173.876k	44.69	64.78	-20.09	Line

Result

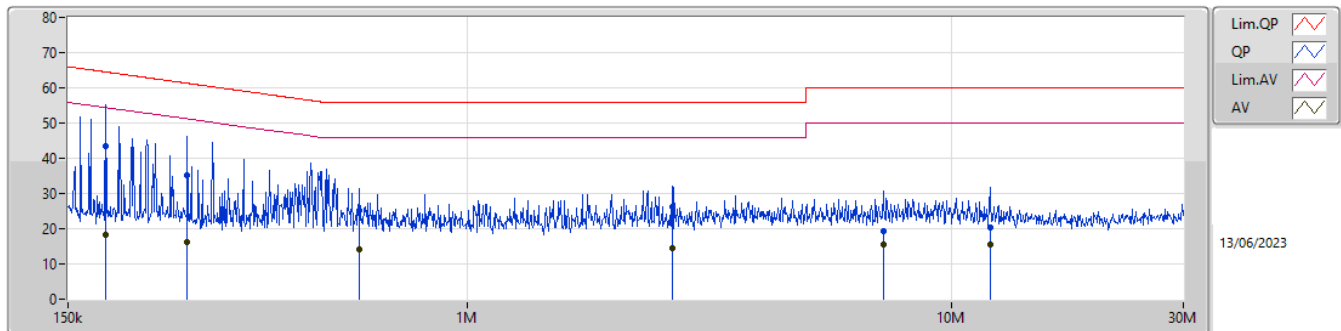
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	173.876k	44.69	64.78	-20.09	Line	-
Mode 1	Pass	AV	173.876k	19.13	54.78	-35.65	Line	-
Mode 1	Pass	QP	182.408k	39.68	64.37	-24.69	Line	-
Mode 1	Pass	AV	182.408k	17.91	54.37	-36.46	Line	-
Mode 1	Pass	QP	633.814k	21.18	56.00	-34.82	Line	-
Mode 1	Pass	AV	633.814k	13.61	46.00	-32.39	Line	-
Mode 1	Pass	QP	2.385M	20.12	56.00	-35.88	Line	-
Mode 1	Pass	AV	2.385M	14.02	46.00	-31.98	Line	-
Mode 1	Pass	QP	9.88M	21.50	60.00	-38.50	Line	-
Mode 1	Pass	AV	9.88M	15.85	50.00	-34.15	Line	-
Mode 1	Pass	QP	12.404M	22.76	60.00	-37.24	Line	-
Mode 1	Pass	AV	12.404M	15.66	50.00	-34.34	Line	-
Mode 1	Pass	QP	179.518k	43.47	64.51	-21.04	Neutral	-
Mode 1	Pass	AV	179.518k	18.35	54.51	-36.16	Neutral	-
Mode 1	Pass	QP	264.41k	35.12	61.30	-26.18	Neutral	-
Mode 1	Pass	AV	264.41k	16.10	51.30	-35.20	Neutral	-
Mode 1	Pass	QP	599.363k	25.13	56.00	-30.87	Neutral	-
Mode 1	Pass	AV	599.363k	14.19	46.00	-31.81	Neutral	-
Mode 1	Pass	QP	2.646M	26.32	56.00	-29.68	Neutral	-
Mode 1	Pass	AV	2.646M	14.61	46.00	-31.39	Neutral	-
Mode 1	Pass	QP	7.208M	19.29	60.00	-40.71	Neutral	-
Mode 1	Pass	AV	7.208M	15.63	50.00	-34.37	Neutral	-
Mode 1	Pass	QP	11.967M	20.40	60.00	-39.60	Neutral	-
Mode 1	Pass	AV	11.967M	15.65	50.00	-34.35	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	173.876k	44.69	64.78	-20.09	19.61	Line	-	25.08	9.65	0.03	9.93						
AV	173.876k	19.13	54.78	-35.65	19.61	Line	-	-0.48	9.65	0.03	9.93						
QP	182.408k	39.68	64.37	-24.69	19.61	Line	-	20.07	9.65	0.03	9.93						
AV	182.408k	17.91	54.37	-36.46	19.61	Line	-	-1.70	9.65	0.03	9.93						
QP	633.814k	21.18	56.00	-34.82	19.65	Line	-	1.53	9.65	0.05	9.95						
AV	633.814k	13.61	46.00	-32.39	19.65	Line	-	-6.04	9.65	0.05	9.95						
QP	2.385M	20.12	56.00	-35.88	19.72	Line	-	0.40	9.69	0.09	9.94						
AV	2.385M	14.02	46.00	-31.98	19.72	Line	-	-5.70	9.69	0.09	9.94						
QP	9.88M	21.50	60.00	-38.50	19.94	Line	-	1.56	9.80	0.18	9.96						
AV	9.88M	15.85	50.00	-34.15	19.94	Line	-	-4.09	9.80	0.18	9.96						
QP	12.404M	22.76	60.00	-37.24	19.98	Line	-	2.78	9.80	0.21	9.97						
AV	12.404M	15.66	50.00	-34.34	19.98	Line	-	-4.32	9.80	0.21	9.97						

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	179.518k	43.47	64.51	-21.04	19.58	Neutral	-	23.89	9.62	0.03	9.93						
AV	179.518k	18.35	54.51	-36.16	19.58	Neutral	-	-1.23	9.62	0.03	9.93						
QP	264.41k	35.12	61.30	-26.18	19.59	Neutral	-	15.53	9.62	0.03	9.94						
AV	264.41k	16.10	51.30	-35.20	19.59	Neutral	-	-3.49	9.62	0.03	9.94						
QP	599.363k	25.13	56.00	-30.87	19.63	Neutral	-	5.50	9.64	0.04	9.95						
AV	599.363k	14.19	46.00	-31.81	19.63	Neutral	-	-5.44	9.64	0.04	9.95						
QP	2.646M	26.32	56.00	-29.68	19.71	Neutral	-	6.61	9.67	0.10	9.94						
AV	2.646M	14.61	46.00	-31.39	19.71	Neutral	-	-5.10	9.67	0.10	9.94						
QP	7.208M	19.29	60.00	-40.71	19.87	Neutral	-	-0.58	9.76	0.16	9.95						
AV	7.208M	15.63	50.00	-34.37	19.87	Neutral	-	-4.24	9.76	0.16	9.95						
QP	11.967M	20.40	60.00	-39.60	20.02	Neutral	-	0.38	9.85	0.21	9.96						
AV	11.967M	15.65	50.00	-34.35	20.02	Neutral	-	-4.37	9.85	0.21	9.96						

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)_2TX	22.55M	19.09M	19M1D1D	20.02M	18.916M
802.11ax HEW40_Nss1,(MCS0)_2TX	48.62M	37.831M	37M8D1D	38.83M	37.481M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.3M	77.061M	77M1D1D	79.86M	76.662M
802.11ax HEW160_Nss1,(MCS0)_2TX	171.6M	156.322M	156MD1D	161.04M	154.923M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	21.23M	18.966M	19M0D1D	20.35M	18.841M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.05M	37.631M	37M6D1D	38.94M	37.331M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.3M	76.962M	77M0D1D	79.86M	76.562M
802.11ax HEW160_Nss1,(MCS0)_2TX	161.92M	155.922M	156MD1D	161.04M	155.522M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	21.56M	19.015M	19M0D1D	20.295M	18.841M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.16M	37.831M	37M8D1D	38.94M	37.181M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.3M	77.161M	77M2D1D	79.86M	76.562M
802.11ax HEW160_Nss1,(MCS0)_2TX	161.92M	156.122M	156MD1D	161.04M	155.122M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	22.825M	19.14M	19M1D1D	20.35M	18.916M
802.11ax HEW40_Nss1,(MCS0)_2TX	46.75M	37.681M	37M7D1D	38.94M	37.281M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.3M	76.862M	76M9D1D	80.08M	76.462M
802.11ax HEW160_Nss1,(MCS0)_2TX	164.56M	155.322M	155MD1D	162.8M	155.322M

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

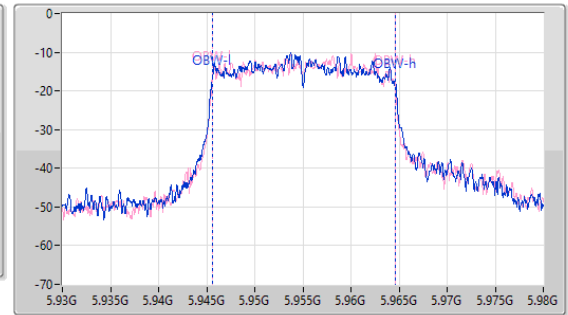
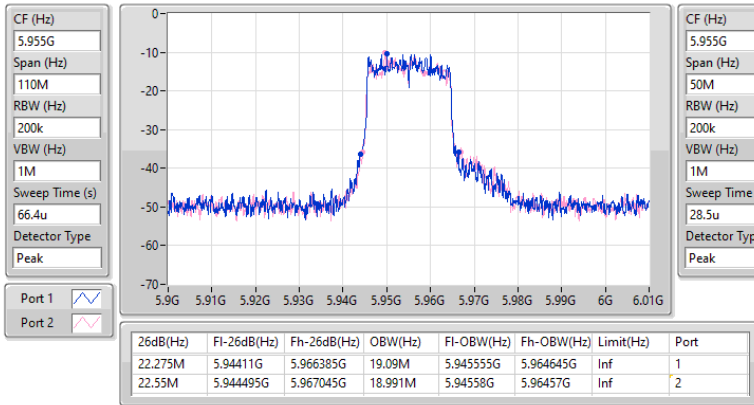
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	22.275M	19.09M	22.55M	18.991M
6175MHz	Pass	Inf	20.185M	18.916M	20.35M	18.941M
6415MHz	Pass	Inf	20.46M	19.015M	20.02M	18.941M
6435MHz	Pass	Inf	20.735M	18.866M	20.35M	18.916M
6475MHz	Pass	Inf	20.35M	18.966M	21.23M	18.891M
6515MHz	Pass	Inf	21.175M	18.841M	21.175M	18.941M
6535MHz	Pass	Inf	20.79M	18.916M	21.065M	19.015M
6695MHz	Pass	Inf	20.295M	18.941M	20.79M	18.841M
6855MHz	Pass	Inf	21.56M	19.015M	20.515M	18.891M
6875MHz	Pass	Inf	20.79M	18.916M	21.01M	18.966M
6895MHz	Pass	Inf	20.46M	18.966M	21.45M	18.916M
6995MHz	Pass	Inf	20.405M	18.941M	20.68M	19.04M
7095MHz	Pass	Inf	22.11M	19.14M	22.825M	18.966M
7115MHz	Pass	Inf	20.35M	18.966M	20.68M	18.966M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5965MHz	Pass	Inf	48.62M	37.831M	41.25M	37.531M
6165MHz	Pass	Inf	39.27M	37.481M	39.16M	37.581M
6405MHz	Pass	Inf	38.83M	37.681M	38.83M	37.581M
6445MHz	Pass	Inf	39.05M	37.331M	39.05M	37.531M
6485MHz	Pass	Inf	39.05M	37.381M	39.05M	37.531M
6525MHz	Pass	Inf	38.94M	37.631M	38.94M	37.531M
6565MHz	Pass	Inf	39.16M	37.531M	39.05M	37.631M
6685MHz	Pass	Inf	39.16M	37.831M	38.94M	37.631M
6845MHz	Pass	Inf	39.05M	37.681M	38.94M	37.431M
6885MHz	Pass	Inf	38.94M	37.181M	39.05M	37.531M
6925MHz	Pass	Inf	38.94M	37.631M	39.16M	37.631M
7005MHz	Pass	Inf	39.05M	37.281M	39.16M	37.481M
7085MHz	Pass	Inf	41.58M	37.681M	46.75M	37.631M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
6065MHz	Pass	Inf	79.86M	76.862M	79.86M	77.061M
6145MHz	Pass	Inf	80.3M	76.862M	79.86M	76.862M
6385MHz	Pass	Inf	79.86M	76.662M	79.86M	76.962M
6465MHz	Pass	Inf	80.3M	76.962M	79.86M	76.962M
6545MHz	Pass	Inf	80.08M	76.862M	79.86M	76.562M
6625MHz	Pass	Inf	80.08M	76.562M	80.08M	77.161M
6705MHz	Pass	Inf	79.86M	76.762M	80.3M	76.962M
6785MHz	Pass	Inf	80.08M	76.662M	80.08M	77.061M
6865MHz	Pass	Inf	80.08M	77.161M	79.86M	77.061M
6945MHz	Pass	Inf	80.3M	76.462M	80.08M	76.662M
7025MHz	Pass	Inf	80.08M	76.862M	80.3M	76.862M
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
6025MHz	Pass	Inf	166.32M	154.923M	171.6M	155.922M
6185MHz	Pass	Inf	161.04M	155.122M	161.92M	155.722M
6345MHz	Pass	Inf	161.48M	155.122M	161.48M	156.322M
6505MHz	Pass	Inf	161.04M	155.922M	161.92M	155.522M
6665MHz	Pass	Inf	161.48M	155.722M	161.92M	155.722M
6825MHz	Pass	Inf	161.04M	156.122M	161.92M	155.122M
6985MHz	Pass	Inf	162.8M	155.322M	164.56M	155.322M

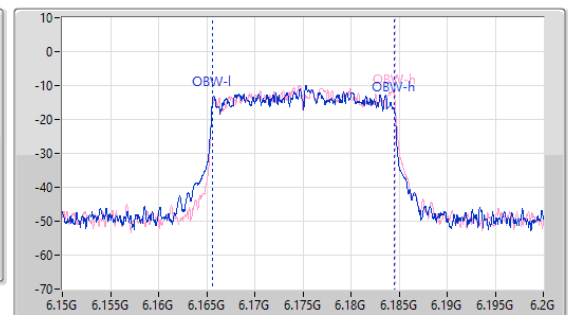
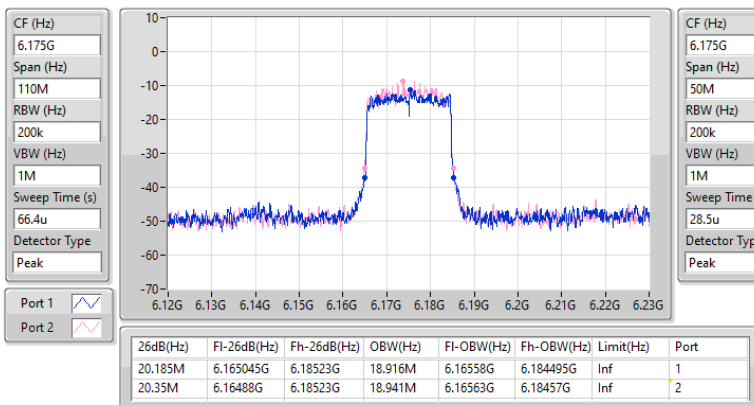
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5955MHz

10/06/2023

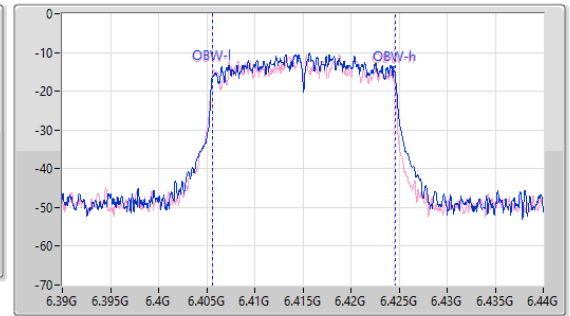
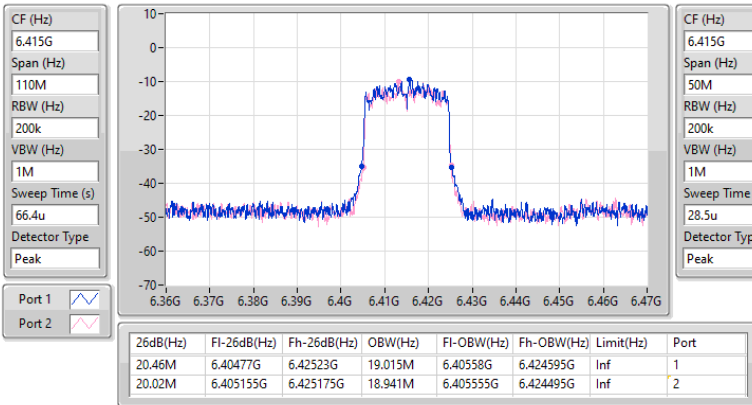

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6175MHz

10/06/2023

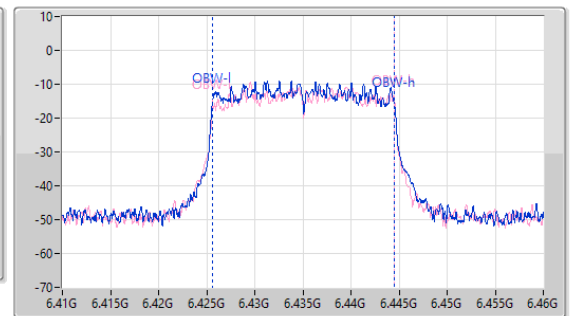
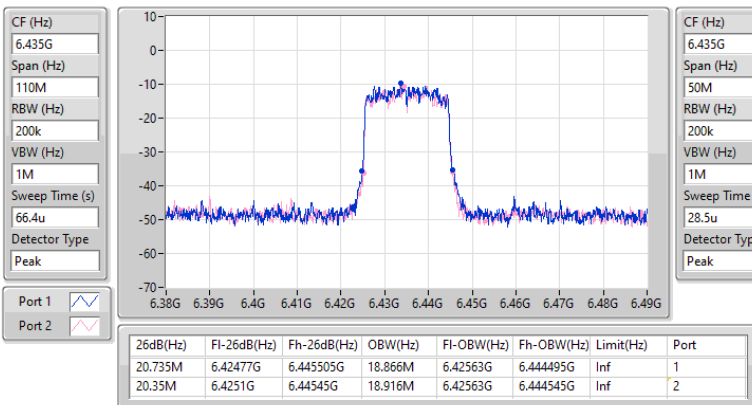


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6415MHz

10/06/2023

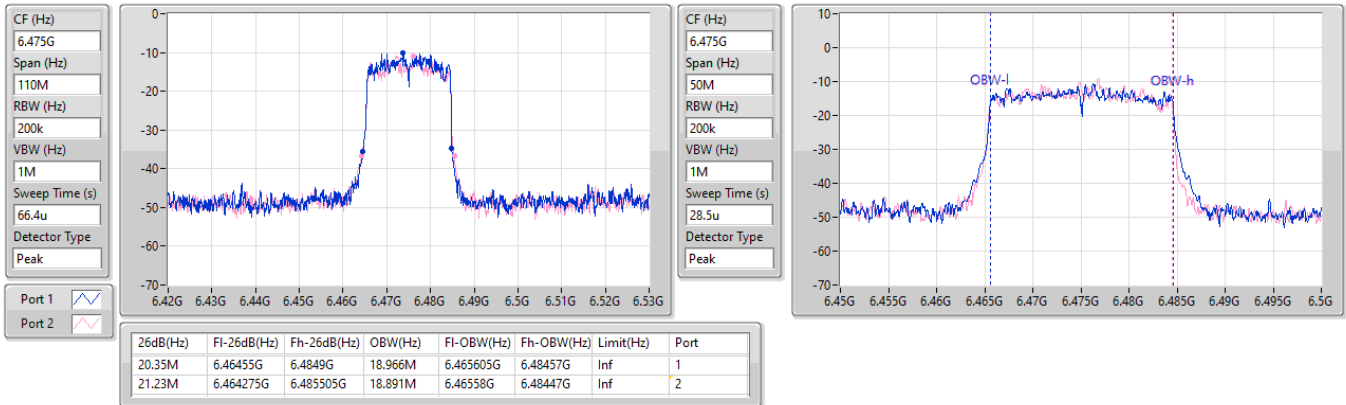

6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6435MHz

10/06/2023

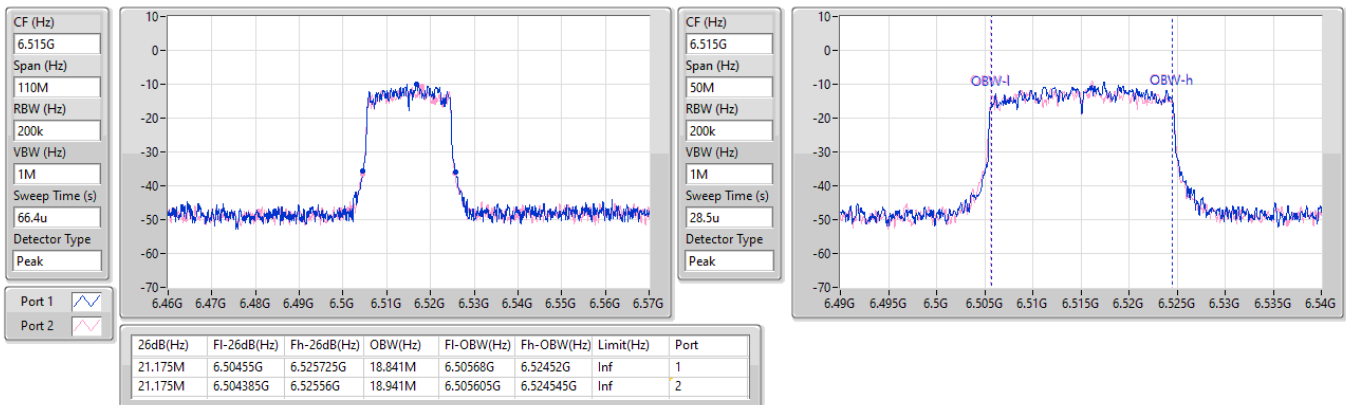


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EBW
6475MHz

10/06/2023

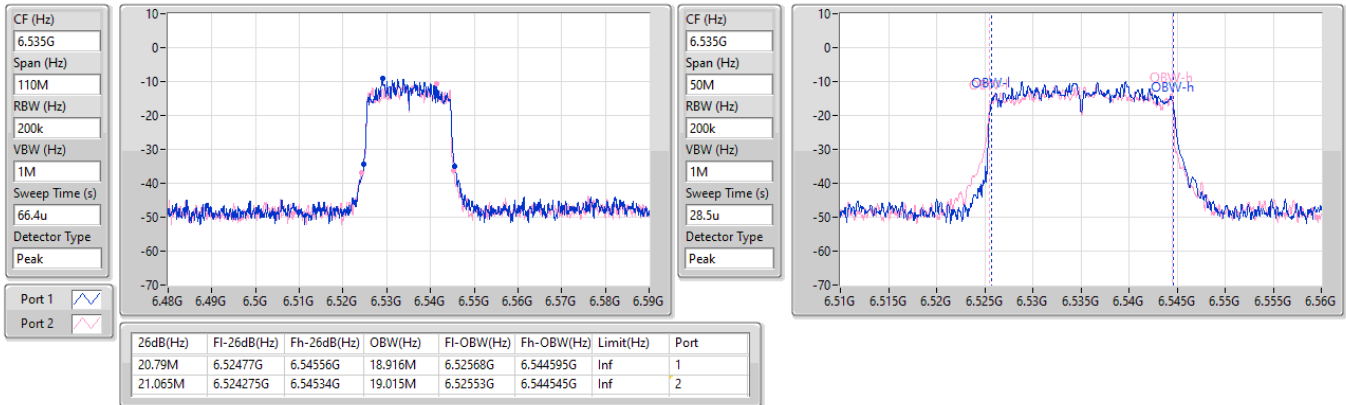

6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6515MHz

10/06/2023

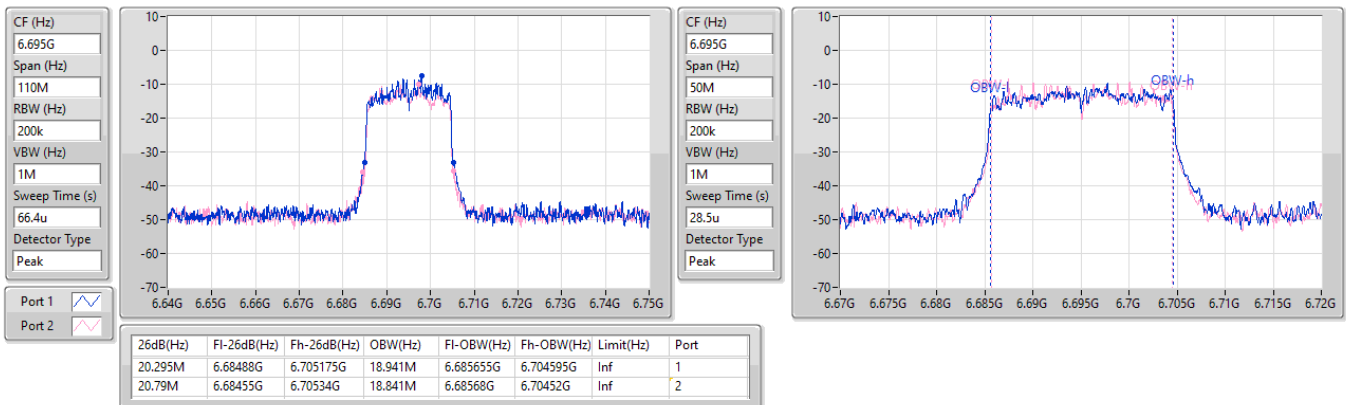


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6535MHz

10/06/2023


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6695MHz

10/06/2023

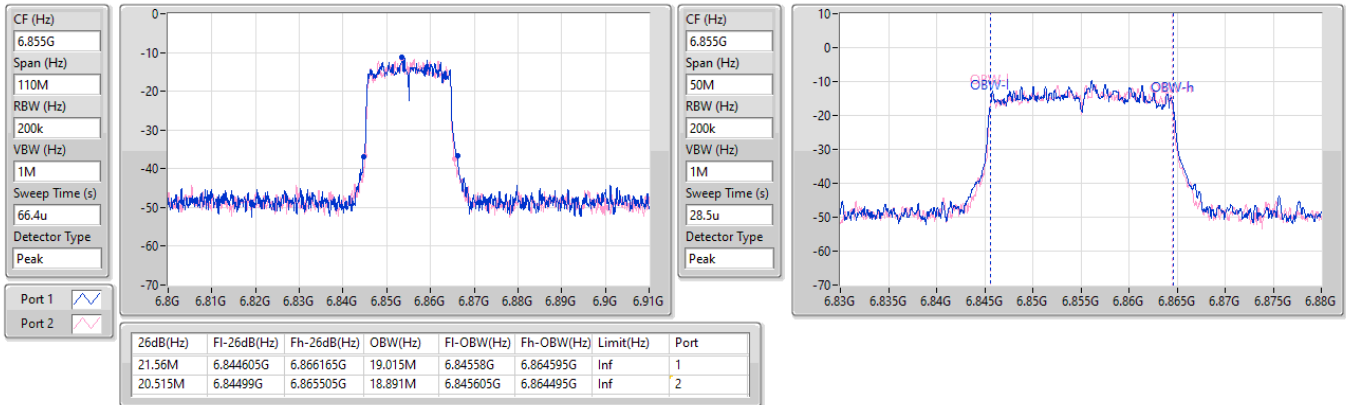


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

6855MHz

10/06/2023

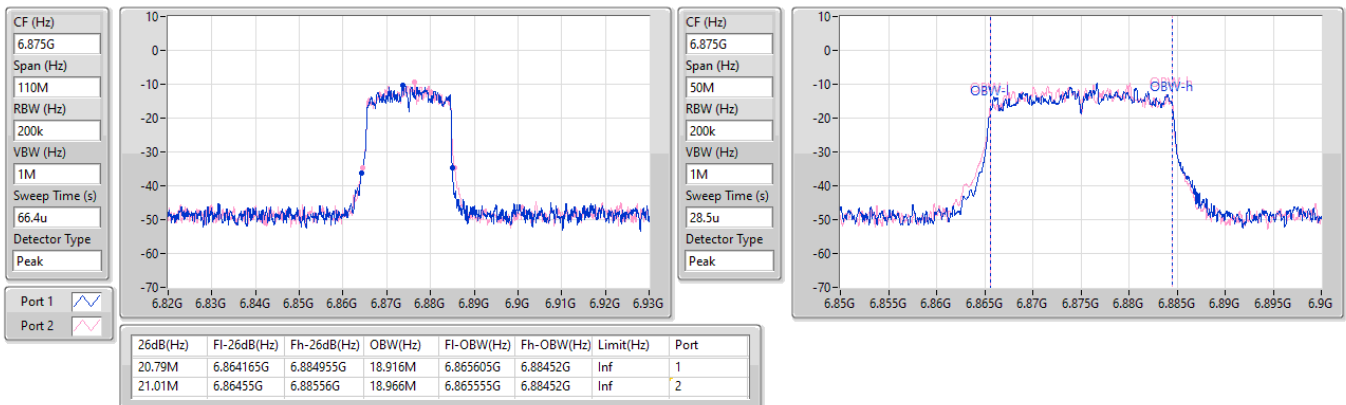


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

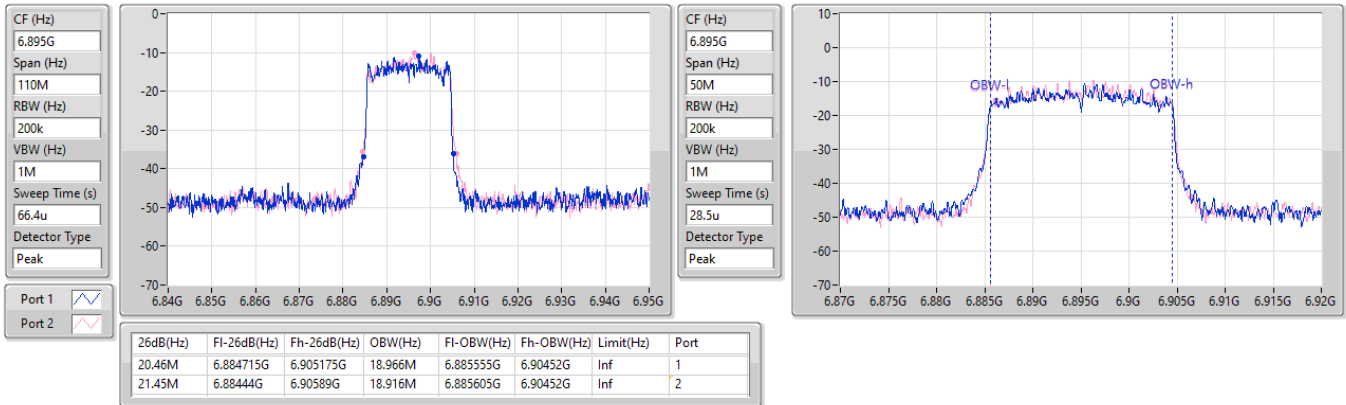
6875MHz

10/06/2023

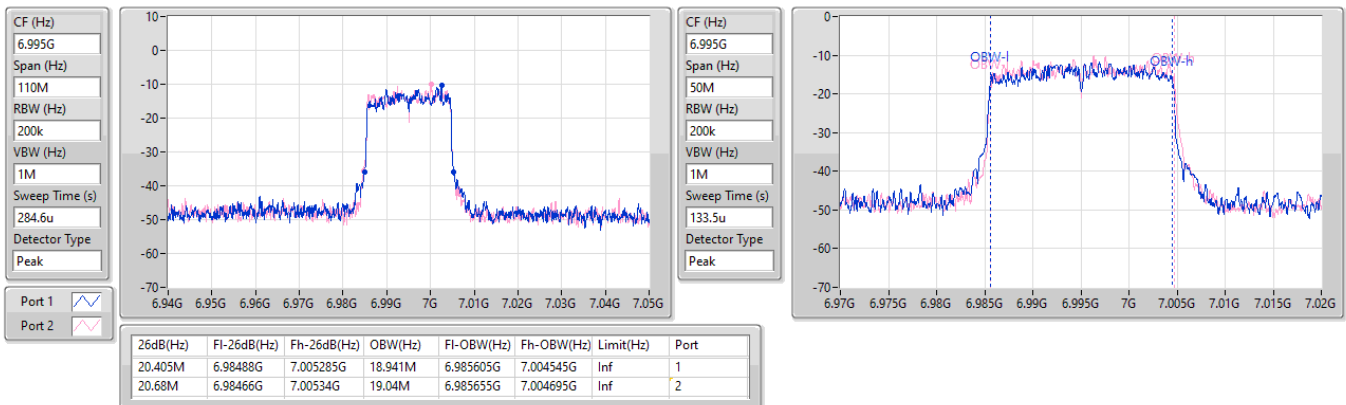


6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6895MHz

10/06/2023

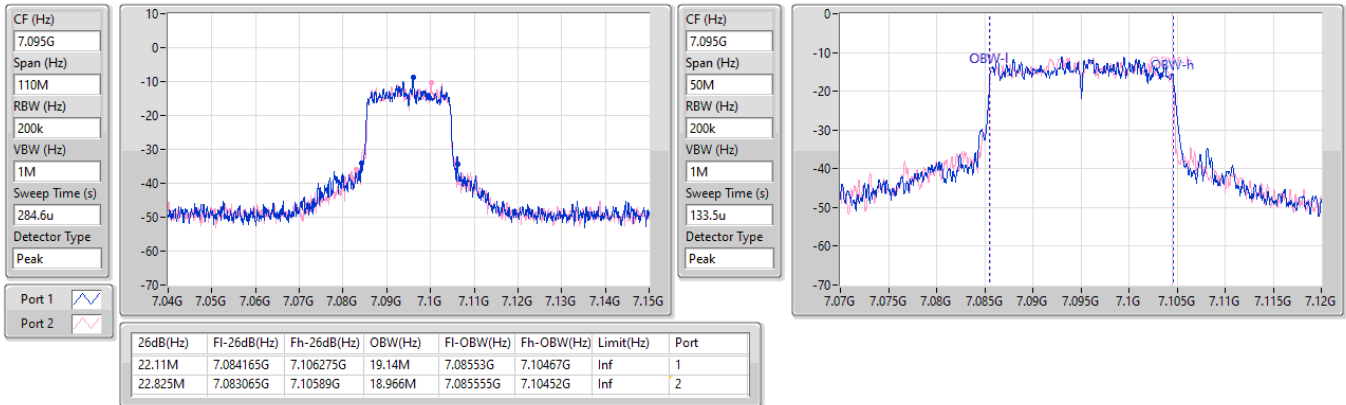

6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
6995MHz

10/06/2023

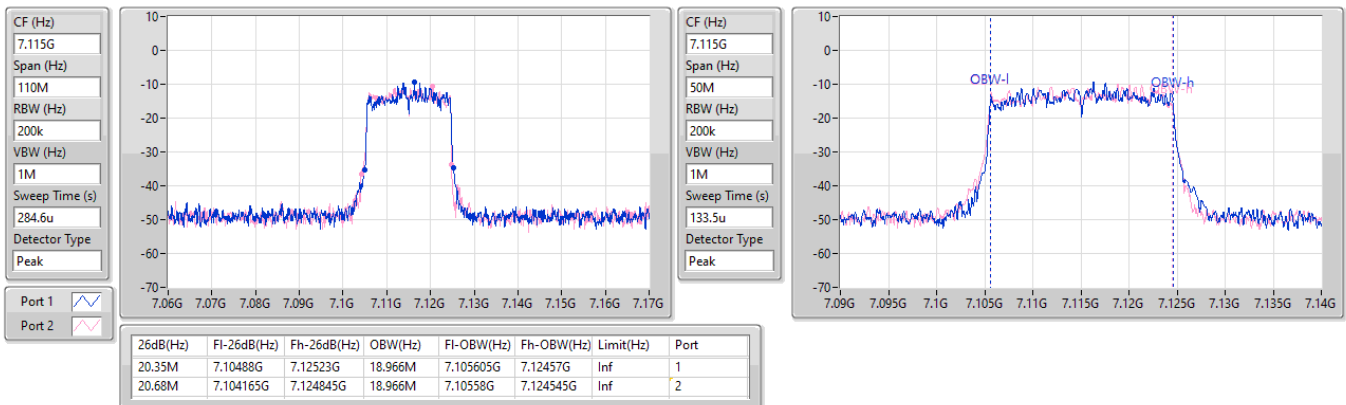


6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
7095MHz

10/06/2023

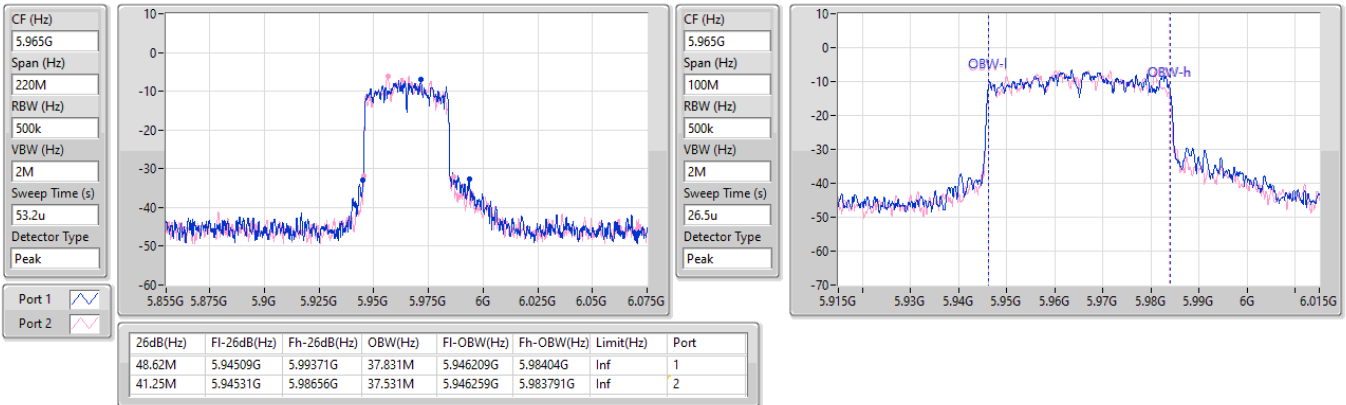

6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
7115MHz

10/06/2023

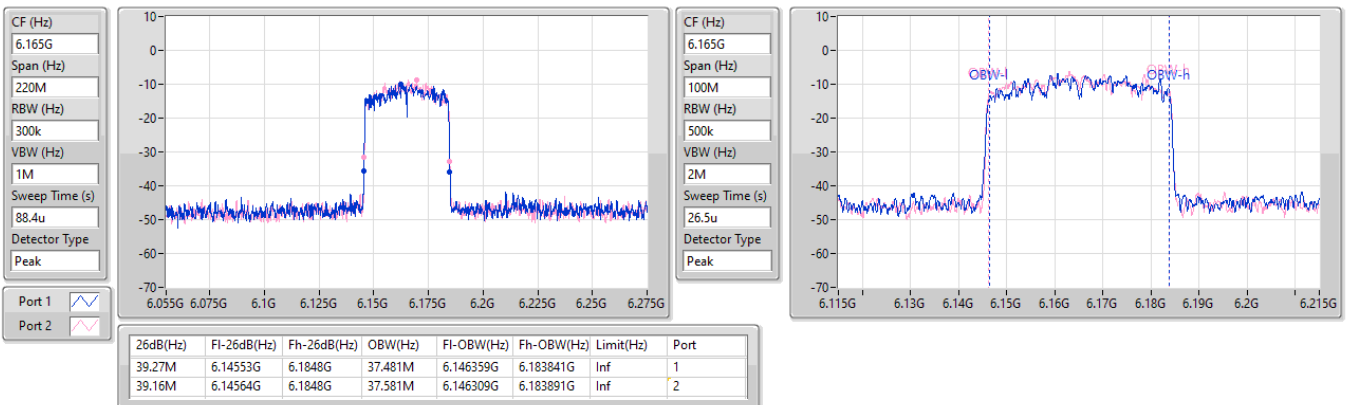


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5965MHz

10/06/2023

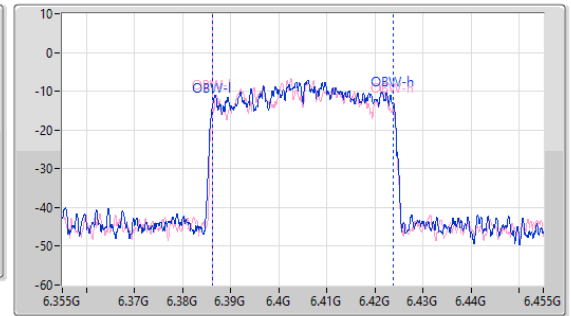
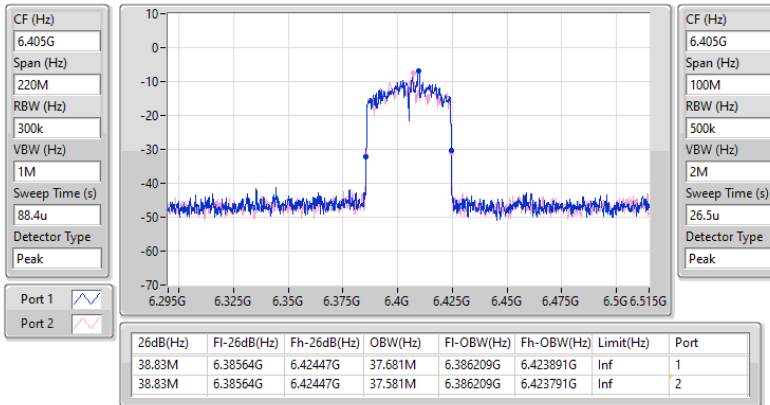

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6165MHz

10/06/2023

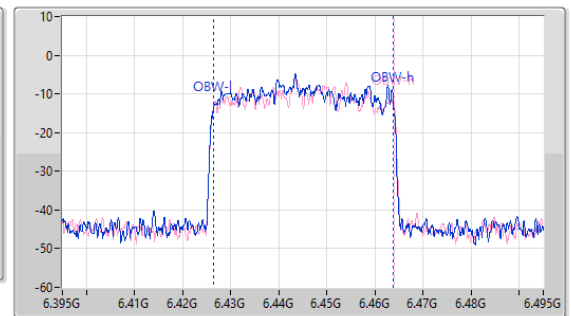
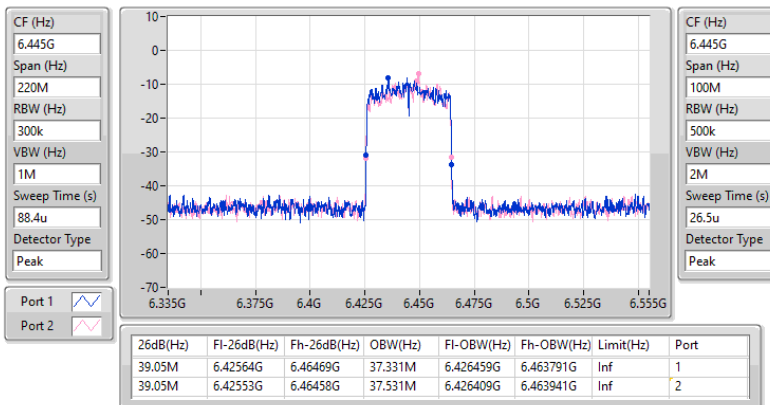


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6405MHz

10/06/2023

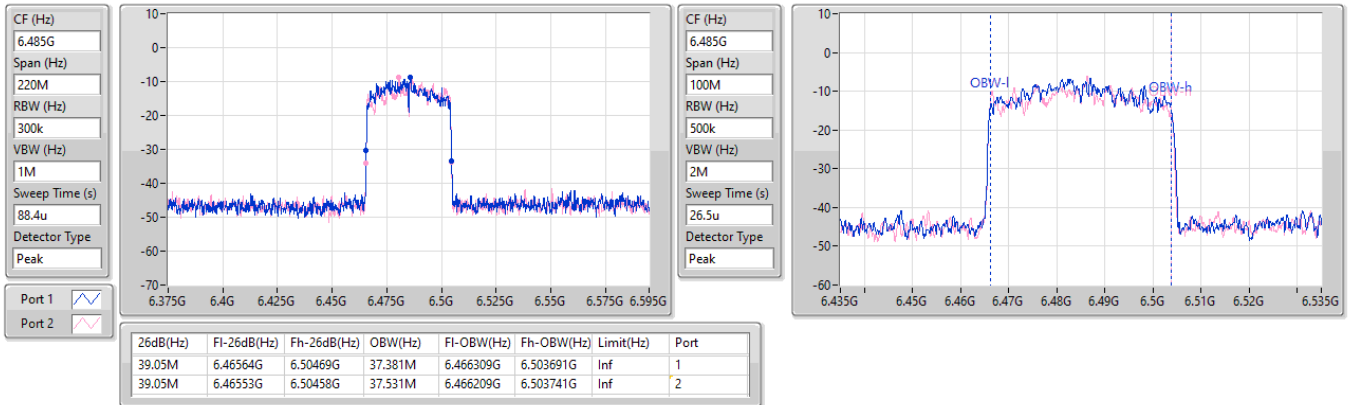

6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6445MHz

10/06/2023

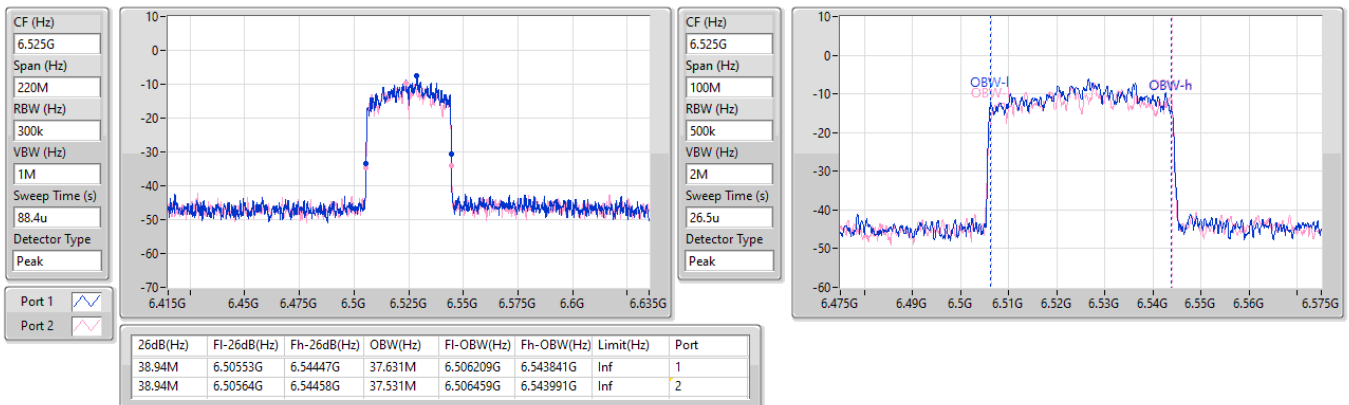


6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6485MHz

10/06/2023

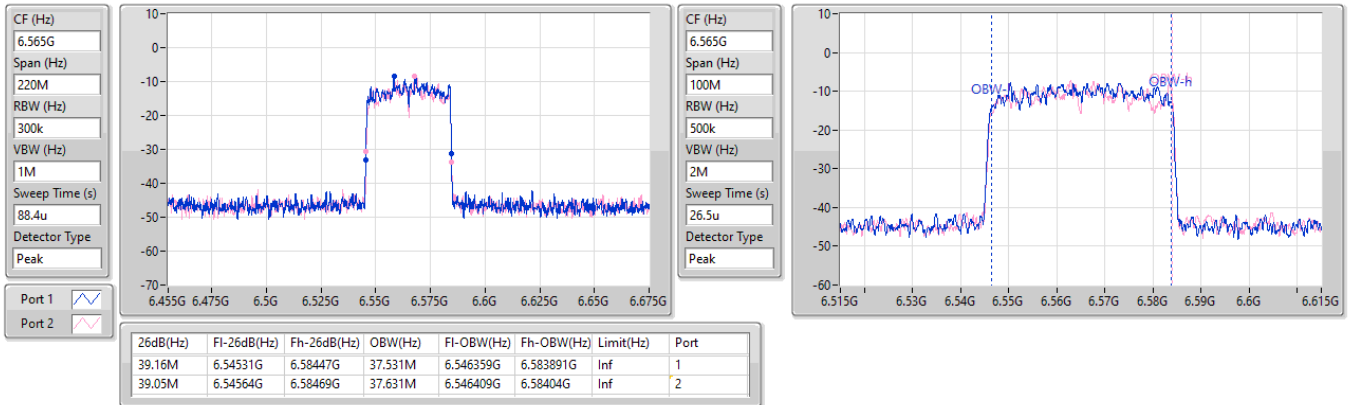

6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6525MHz

10/06/2023

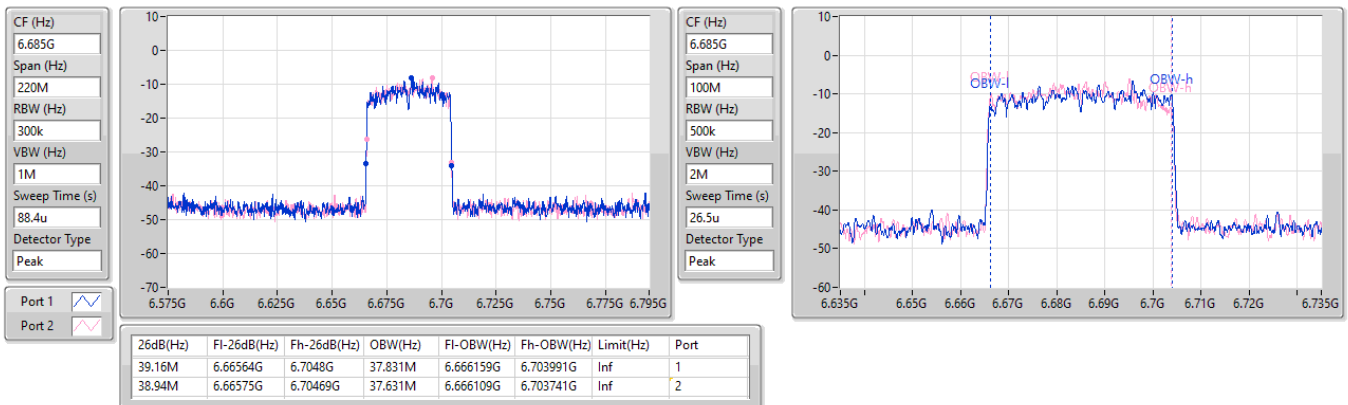


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6565MHz

10/06/2023

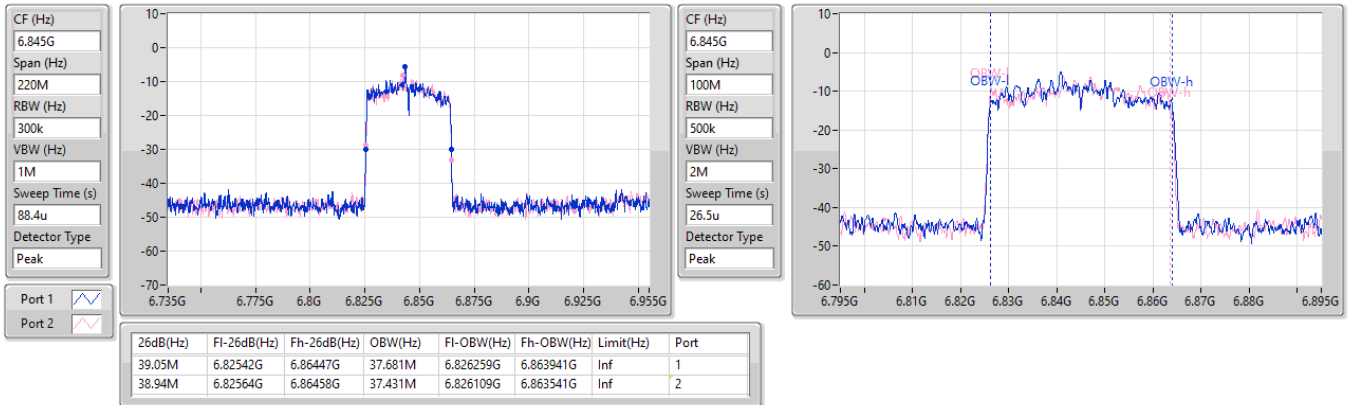

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EBW
6685MHz

10/06/2023

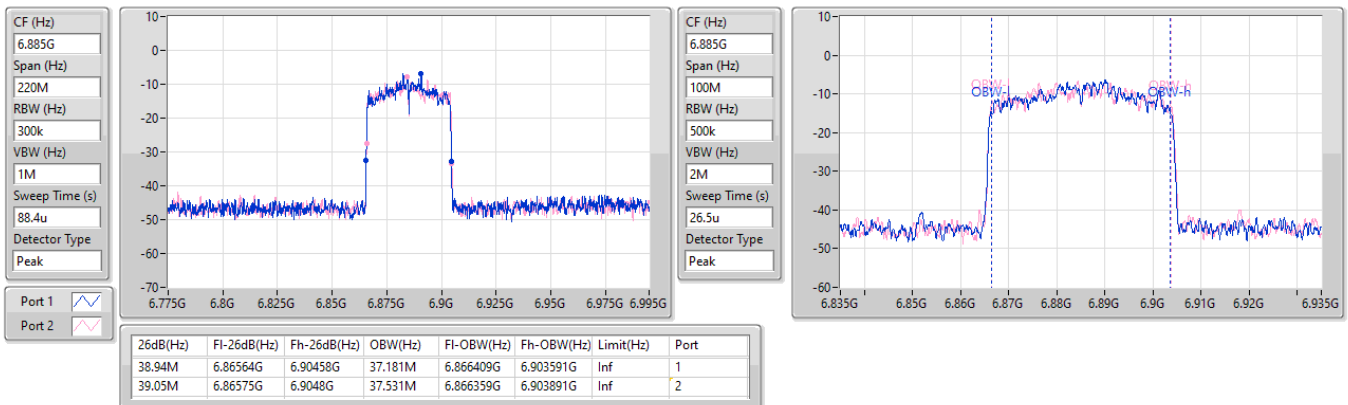


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6845MHz

10/06/2023

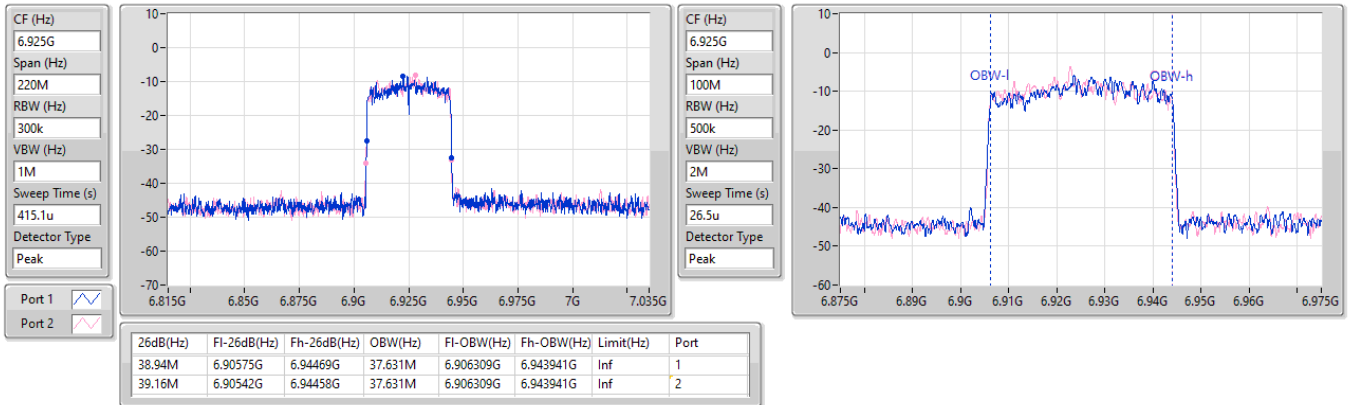

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EBW
6885MHz

10/06/2023

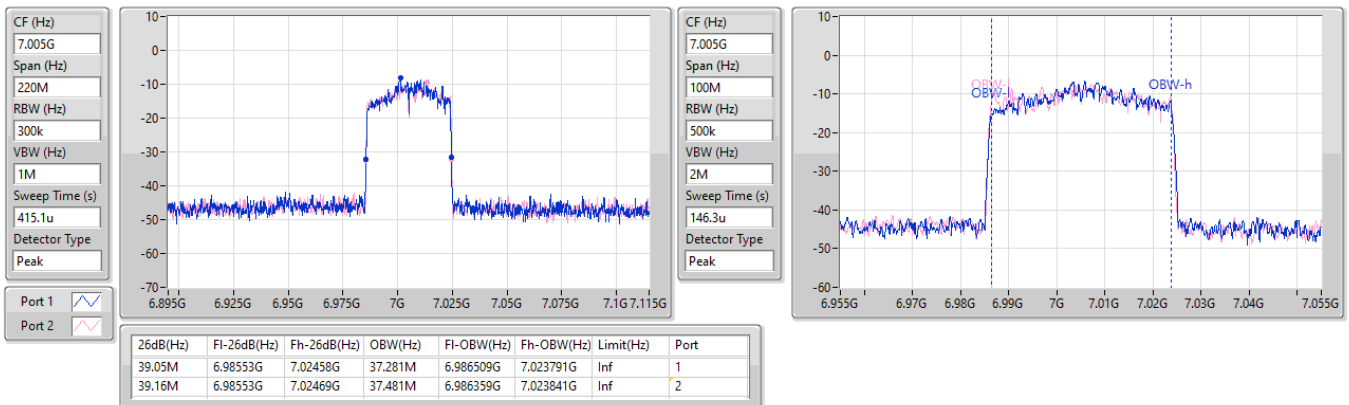


6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
6925MHz

10/06/2023

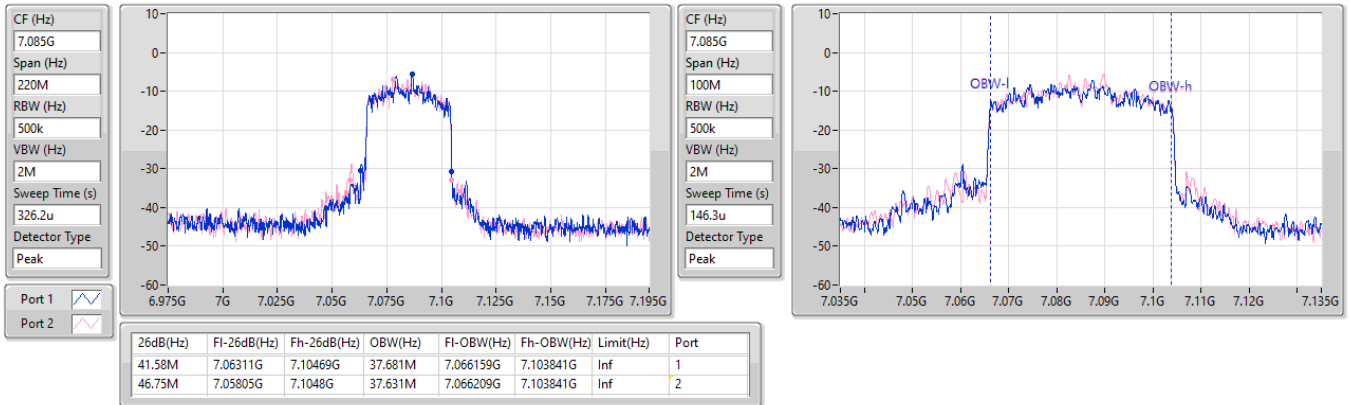

6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
7005MHz

10/06/2023

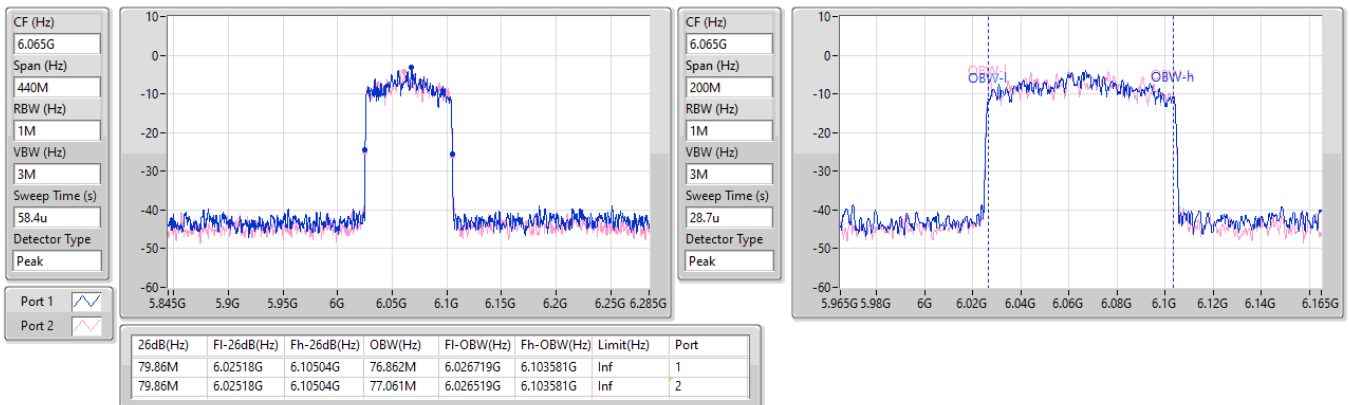


6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
7085MHz

10/06/2023

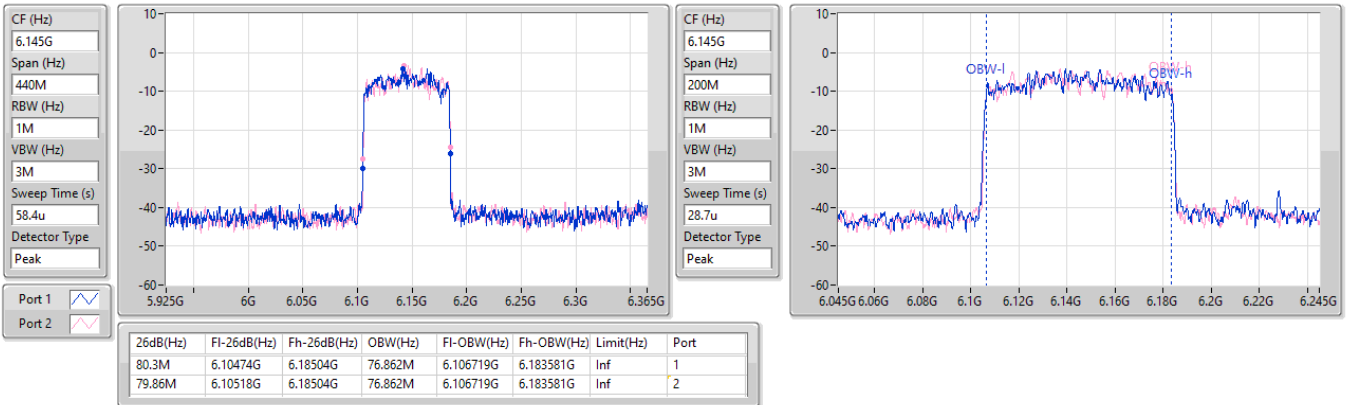

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6065MHz

12/06/2023

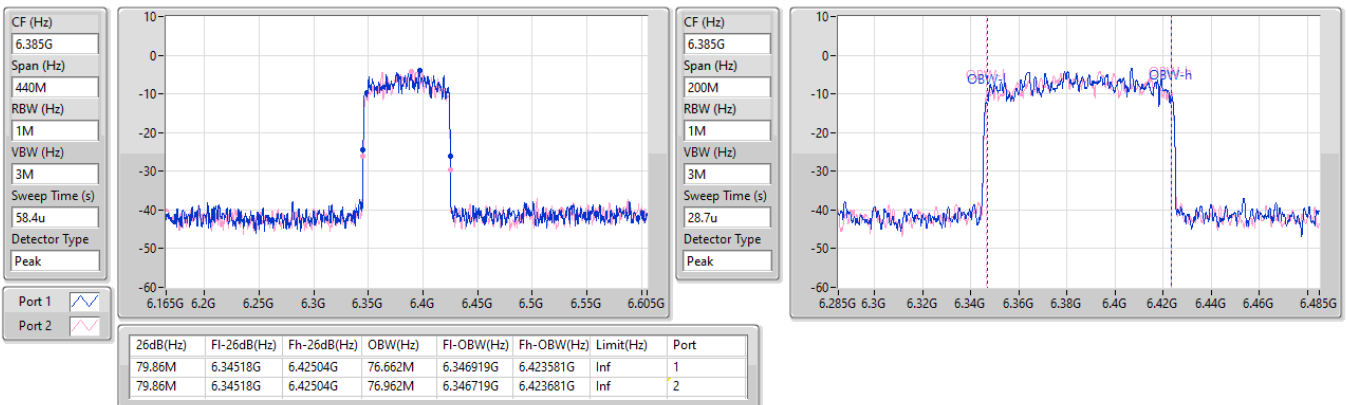


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EBW
6145MHz

10/06/2023

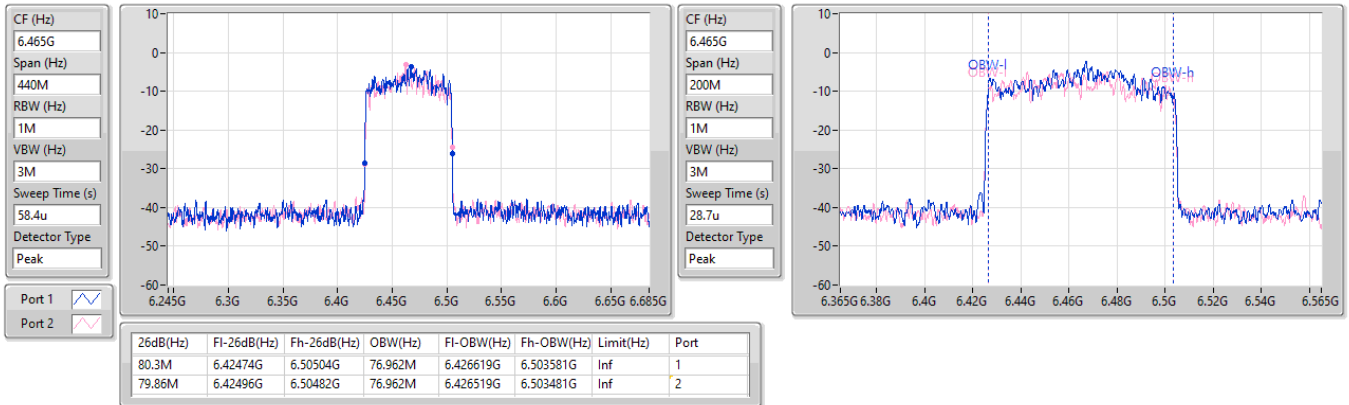

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EBW
6385MHz

10/06/2023

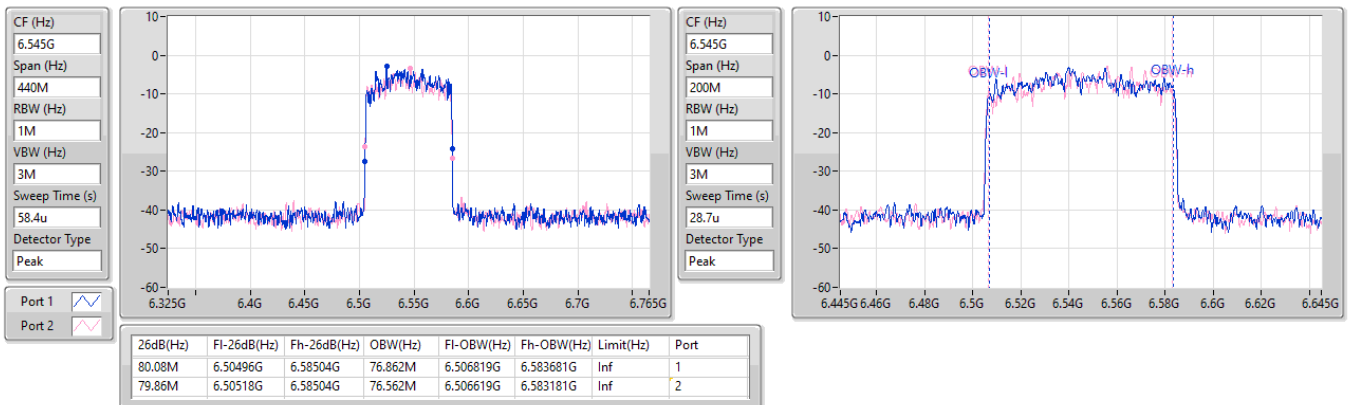


6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6465MHz

10/06/2023

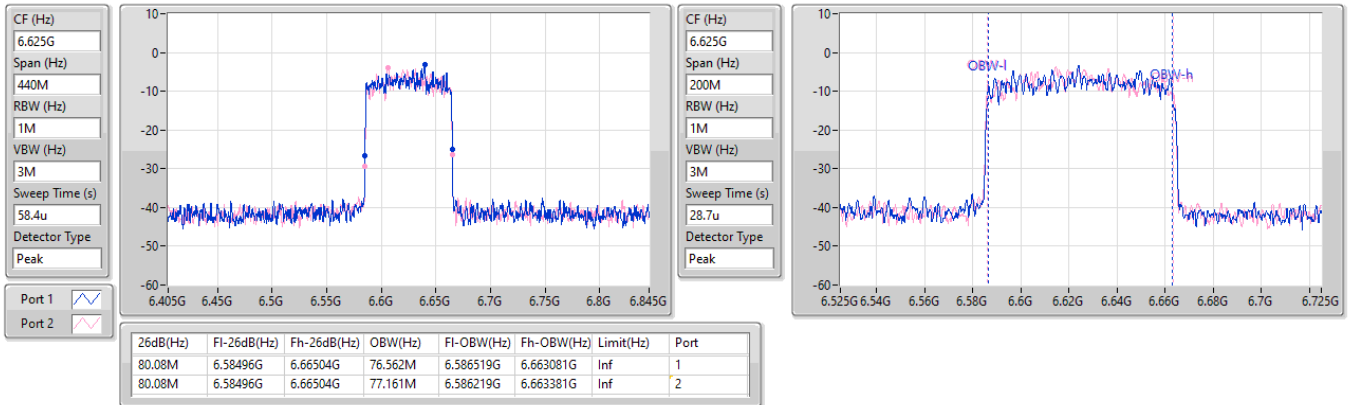

6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6545MHz

10/06/2023

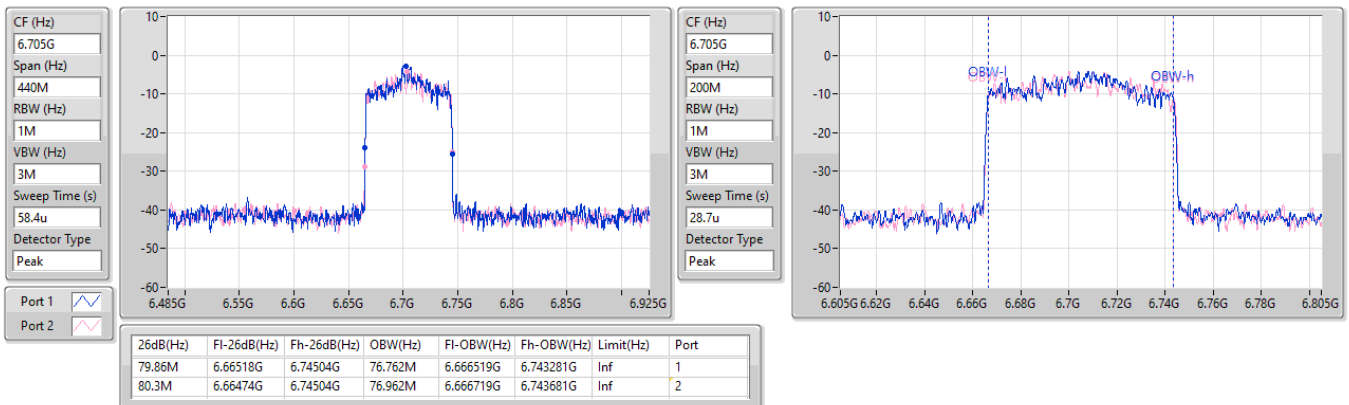


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6625MHz

10/06/2023

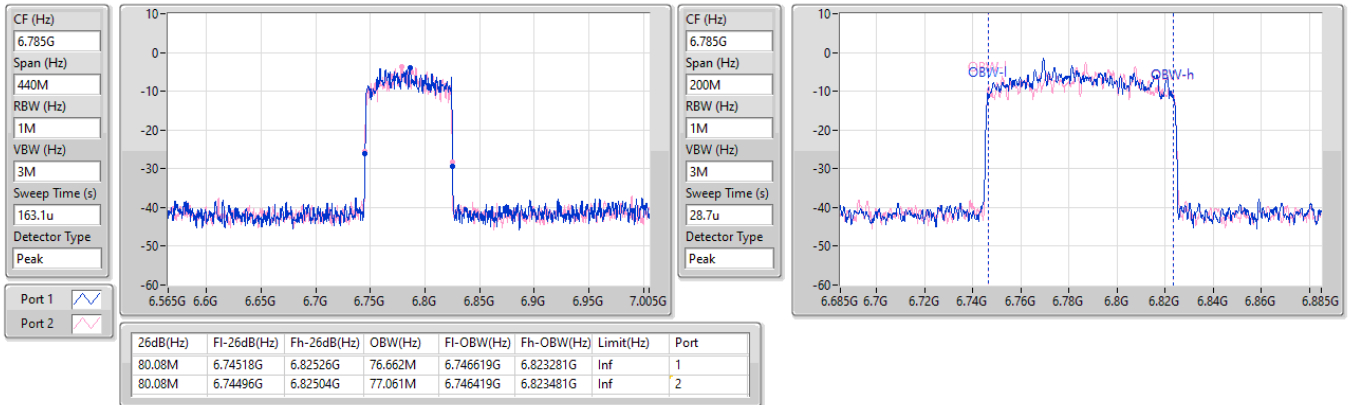

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6705MHz

10/06/2023

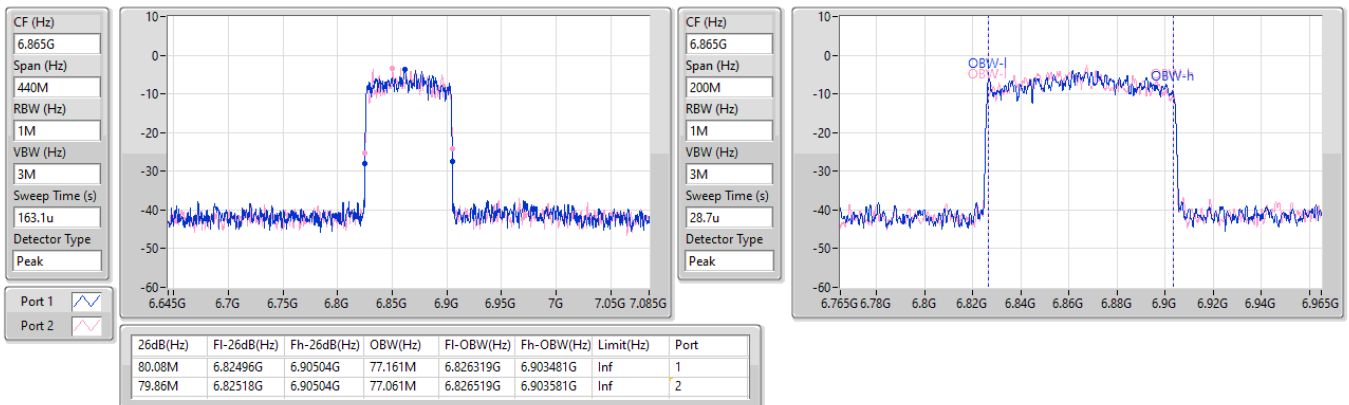


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6785MHz

10/06/2023

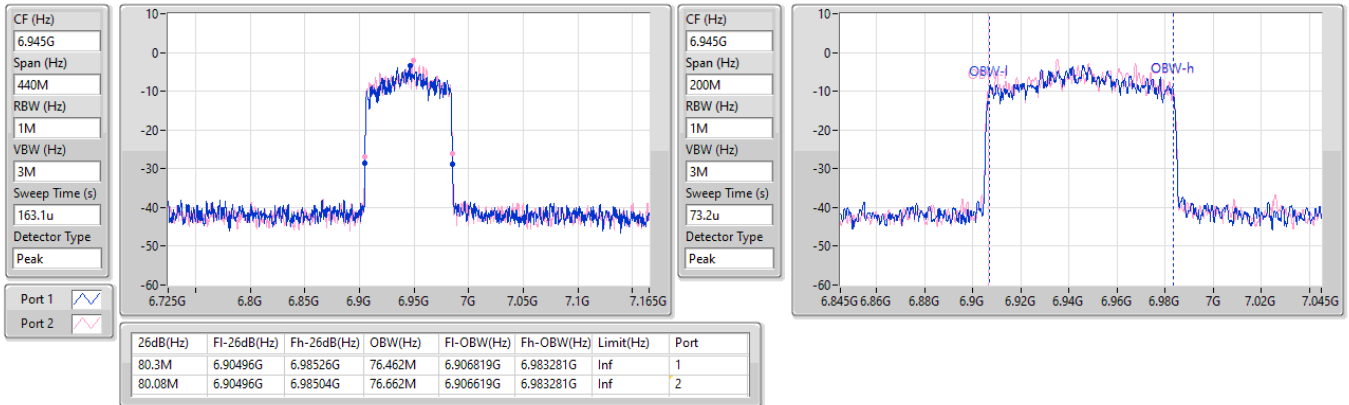

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6865MHz

10/06/2023

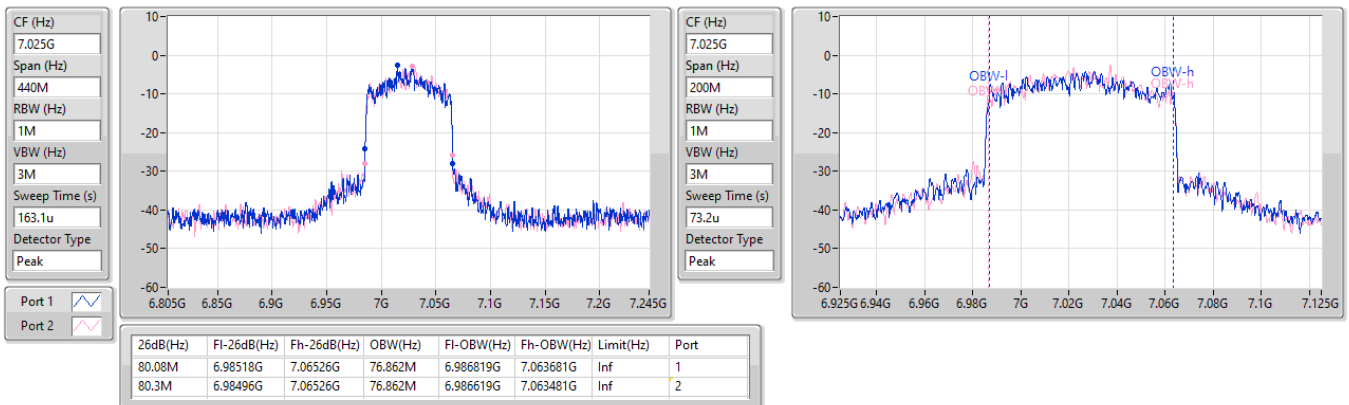


6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
6945MHz

10/06/2023

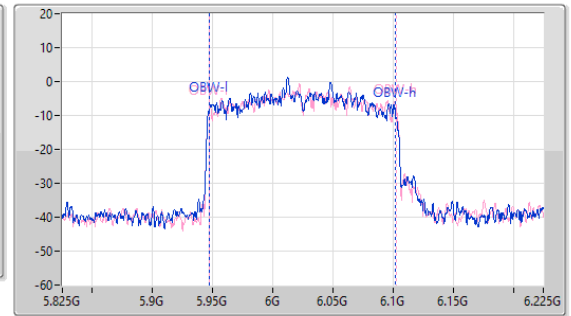
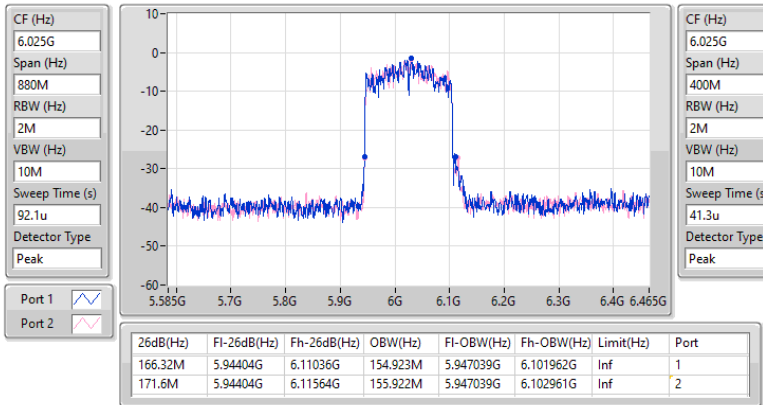

6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
7025MHz

10/06/2023

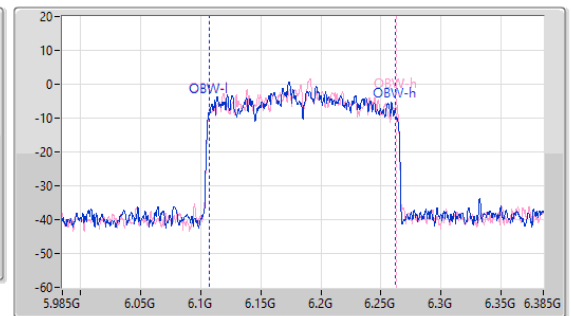
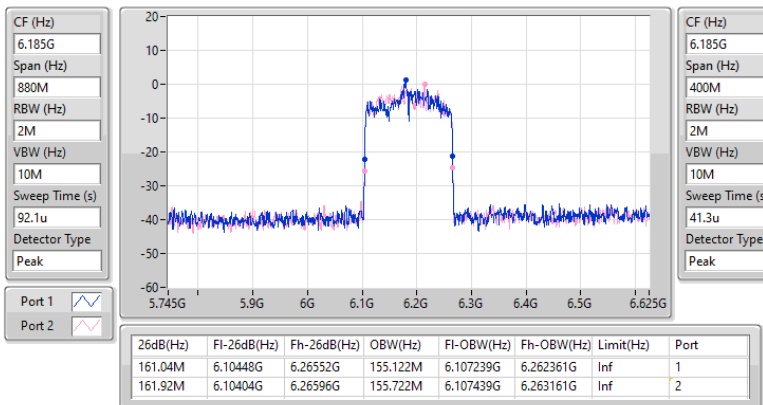


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX
EBW
6025MHz

10/06/2023

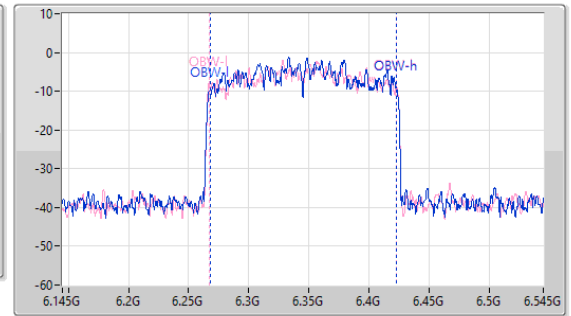
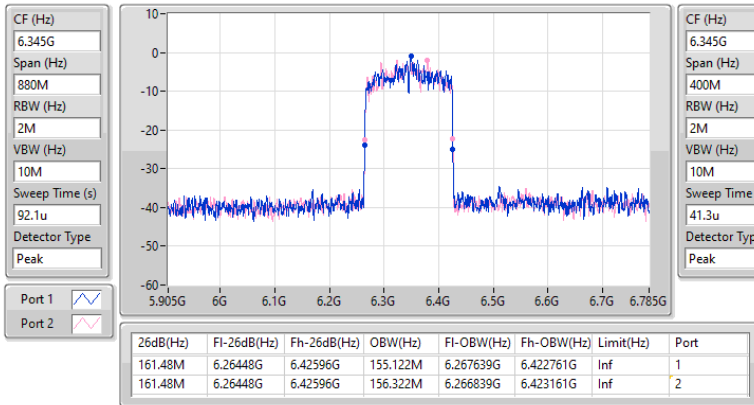

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX
EBW
6185MHz

10/06/2023

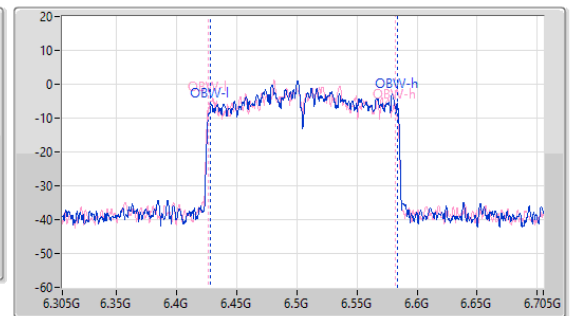
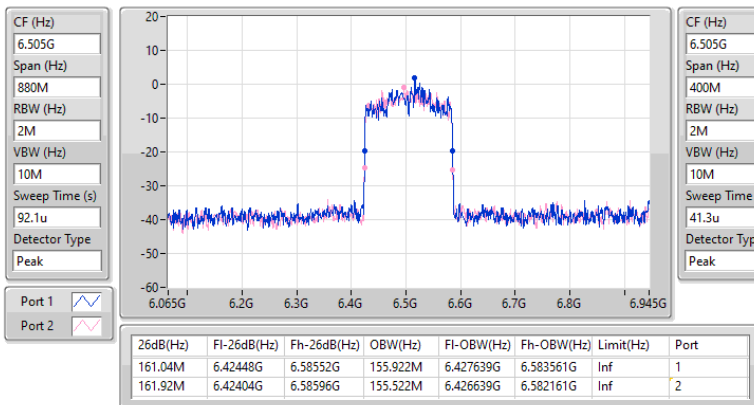


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX
EBW
6345MHz

10/06/2023

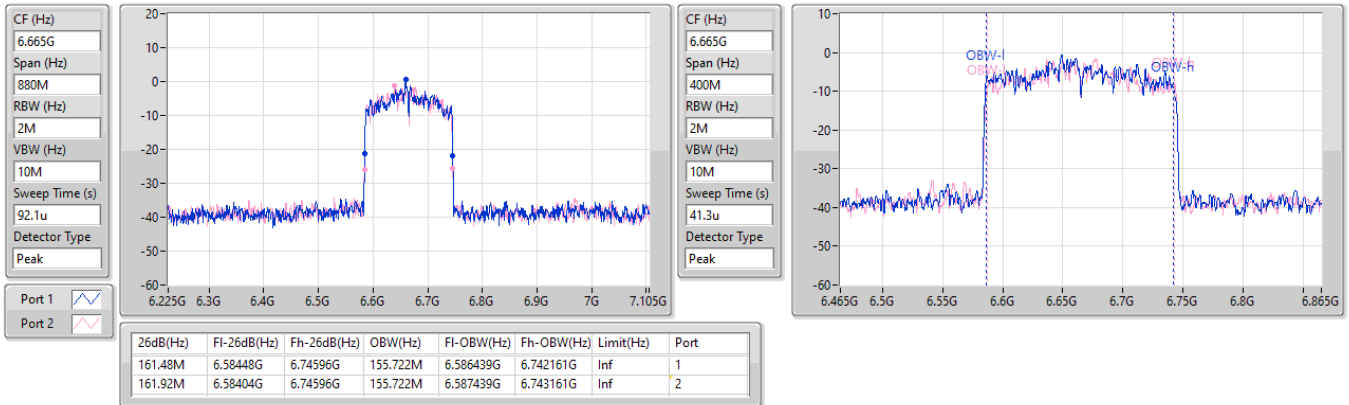

6.425-6.525GHz_802.11ax HEW160_Nss1,(MCS0)_2TX
EBW
6505MHz

10/06/2023

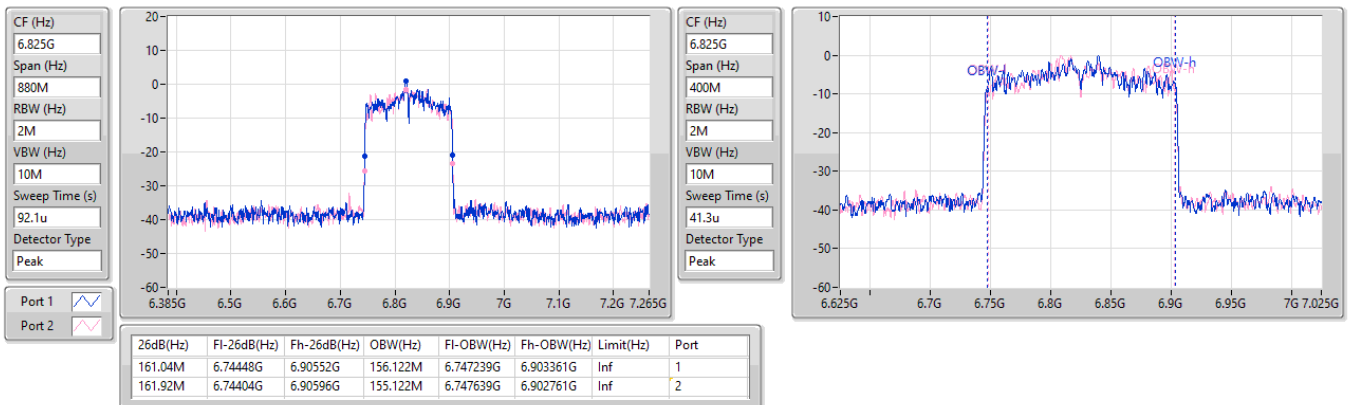


6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_2TX
EBW
6665MHz

10/06/2023


6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_2TX
EBW
6825MHz

10/06/2023

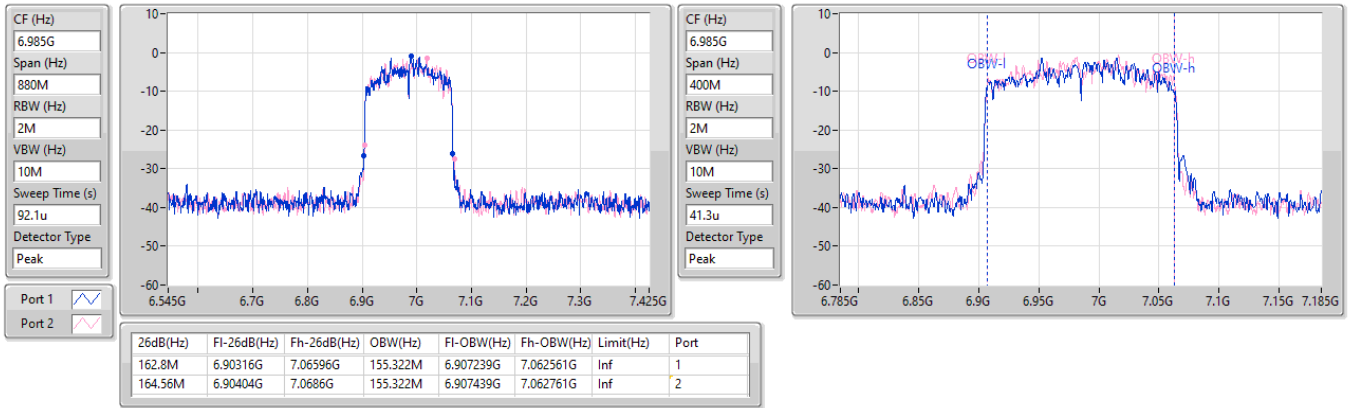


6.875-7.125GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

6985MHz

10/06/2023



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	4.23	0.00265	9.23	0.00838
802.11ax HEW40_Nss1,(MCS0)_2TX	6.31	0.00428	11.31	0.01352
802.11ax HEW80_Nss1,(MCS0)_2TX	9.01	0.00796	14.01	0.02518
802.11ax HEW160_Nss1,(MCS0)_2TX	11.77	0.01503	16.77	0.04753
6.425-6.525GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	4.49	0.00281	9.49	0.00889
802.11ax HEW40_Nss1,(MCS0)_2TX	5.91	0.00390	10.91	0.01233
802.11ax HEW80_Nss1,(MCS0)_2TX	9.13	0.00818	14.13	0.02588
802.11ax HEW160_Nss1,(MCS0)_2TX	11.78	0.01507	16.78	0.04764
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	4.35	0.00272	9.35	0.00861
802.11ax HEW40_Nss1,(MCS0)_2TX	6.37	0.00434	11.37	0.01371
802.11ax HEW80_Nss1,(MCS0)_2TX	9.19	0.00830	14.19	0.02624
802.11ax HEW160_Nss1,(MCS0)_2TX	11.54	0.01426	16.54	0.04508
6.875-7.125GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	4.34	0.00272	9.34	0.00859
802.11ax HEW40_Nss1,(MCS0)_2TX	6.77	0.00475	11.77	0.01503
802.11ax HEW80_Nss1,(MCS0)_2TX	8.98	0.00791	13.98	0.02500
802.11ax HEW160_Nss1,(MCS0)_2TX	11.13	0.01297	16.13	0.04102

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.00	1.05	0.85	3.96	Inf	8.96	24.00
6175MHz	Pass	5.00	1.09	1.35	4.23	Inf	9.23	24.00
6415MHz	Pass	5.00	1.36	0.62	4.02	Inf	9.02	24.00
6435MHz	Pass	5.00	1.89	0.98	4.47	Inf	9.47	24.00
6475MHz	Pass	5.00	1.31	0.62	3.99	Inf	8.99	24.00
6515MHz	Pass	5.00	1.79	1.14	4.49	Inf	9.49	24.00
6535MHz	Pass	5.00	1.54	0.56	4.09	Inf	9.09	24.00
6695MHz	Pass	5.00	1.40	1.08	4.25	Inf	9.25	24.00
6855MHz	Pass	5.00	1.29	1.31	4.31	Inf	9.31	24.00
6875MHz	Pass	5.00	1.22	1.45	4.35	Inf	9.35	24.00
6895MHz	Pass	5.00	0.60	0.57	3.60	Inf	8.60	24.00
6995MHz	Pass	5.00	0.28	0.71	3.51	Inf	8.51	24.00
7095MHz	Pass	5.00	1.29	1.22	4.27	Inf	9.27	24.00
7115MHz	Pass	5.00	0.93	1.69	4.34	Inf	9.34	24.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5965MHz	Pass	5.00	3.24	3.36	6.31	Inf	11.31	24.00
6165MHz	Pass	5.00	2.86	2.92	5.90	Inf	10.90	24.00
6405MHz	Pass	5.00	2.91	2.30	5.63	Inf	10.63	24.00
6445MHz	Pass	5.00	3.24	2.53	5.91	Inf	10.91	24.00
6485MHz	Pass	5.00	2.98	2.08	5.56	Inf	10.56	24.00
6525MHz	Pass	5.00	2.96	1.94	5.49	Inf	10.49	24.00
6565MHz	Pass	5.00	3.25	2.26	5.79	Inf	10.79	24.00
6685MHz	Pass	5.00	2.73	2.96	5.86	Inf	10.86	24.00
6845MHz	Pass	5.00	3.19	3.18	6.20	Inf	11.20	24.00
6885MHz	Pass	5.00	3.55	3.17	6.37	Inf	11.37	24.00
6925MHz	Pass	5.00	3.63	3.88	6.77	Inf	11.77	24.00
7005MHz	Pass	5.00	1.88	1.93	4.92	Inf	9.92	24.00
7085MHz	Pass	5.00	2.35	2.91	5.65	Inf	10.65	24.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
6065MHz	Pass	5.00	5.36	5.32	8.35	Inf	13.35	24.00
6145MHz	Pass	5.00	5.83	6.00	8.93	Inf	13.93	24.00
6385MHz	Pass	5.00	6.12	5.88	9.01	Inf	14.01	24.00
6465MHz	Pass	5.00	5.75	5.04	8.42	Inf	13.42	24.00
6545MHz	Pass	5.00	6.45	5.76	9.13	Inf	14.13	24.00
6625MHz	Pass	5.00	6.10	5.84	8.98	Inf	13.98	24.00
6705MHz	Pass	5.00	5.78	5.37	8.59	Inf	13.59	24.00
6785MHz	Pass	5.00	6.27	5.92	9.11	Inf	14.11	24.00
6865MHz	Pass	5.00	6.23	6.12	9.19	Inf	14.19	24.00
6945MHz	Pass	5.00	5.80	6.13	8.98	Inf	13.98	24.00
7025MHz	Pass	5.00	5.02	5.14	8.09	Inf	13.09	24.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
6025MHz	Pass	5.00	7.95	8.12	11.05	Inf	16.05	24.00
6185MHz	Pass	5.00	8.74	8.77	11.77	Inf	16.77	24.00
6345MHz	Pass	5.00	7.86	7.64	10.76	Inf	15.76	24.00
6505MHz	Pass	5.00	8.66	8.88	11.78	Inf	16.78	24.00
6665MHz	Pass	5.00	8.07	7.85	10.97	Inf	15.97	24.00
6825MHz	Pass	5.00	8.55	8.51	11.54	Inf	16.54	24.00
6985MHz	Pass	5.00	8.03	8.21	11.13	Inf	16.13	24.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	4.21	0.00264	12.22	0.01667
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	6.27	0.00424	14.28	0.02679
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	8.98	0.00791	16.99	0.05000
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	11.75	0.01496	19.76	0.09462
6.425-6.525GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	4.47	0.00280	12.48	0.01770
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	5.87	0.00386	13.88	0.02443
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	9.07	0.00807	17.08	0.05105
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	11.74	0.01493	19.75	0.09441
6.525-6.875GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	4.31	0.00270	12.32	0.01706
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	6.34	0.00431	14.35	0.02723
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	9.14	0.00820	17.15	0.05188
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	11.52	0.01419	19.53	0.08974
6.875-7.125GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	4.31	0.00270	12.32	0.01706
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	6.74	0.00472	14.75	0.02985
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	8.96	0.00787	16.97	0.04977
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	11.08	0.01282	19.09	0.08110

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5955MHz	Pass	8.01	1.02	0.82	3.93	Inf	11.94	24.00
6175MHz	Pass	8.01	1.07	1.33	4.21	Inf	12.22	24.00
6415MHz	Pass	8.01	1.30	0.56	3.96	Inf	11.97	24.00
6435MHz	Pass	8.01	1.85	0.94	4.43	Inf	12.44	24.00
6475MHz	Pass	8.01	1.27	0.58	3.95	Inf	11.96	24.00
6515MHz	Pass	8.01	1.77	1.12	4.47	Inf	12.48	24.00
6535MHz	Pass	8.01	1.50	0.52	4.05	Inf	12.06	24.00
6695MHz	Pass	8.01	1.37	1.05	4.22	Inf	12.23	24.00
6855MHz	Pass	8.01	1.24	1.26	4.26	Inf	12.27	24.00
6875MHz	Pass	8.01	1.18	1.41	4.31	Inf	12.32	24.00
6895MHz	Pass	8.01	0.58	0.55	3.58	Inf	11.59	24.00
6995MHz	Pass	8.01	0.25	0.68	3.48	Inf	11.49	24.00
7095MHz	Pass	8.01	1.24	1.17	4.22	Inf	12.23	24.00
7115MHz	Pass	8.01	0.90	1.66	4.31	Inf	12.32	24.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5965MHz	Pass	8.01	3.20	3.32	6.27	Inf	14.28	24.00
6165MHz	Pass	8.01	2.84	2.90	5.88	Inf	13.89	24.00
6405MHz	Pass	8.01	2.88	2.27	5.60	Inf	13.61	24.00
6445MHz	Pass	8.01	3.20	2.49	5.87	Inf	13.88	24.00
6485MHz	Pass	8.01	2.96	2.06	5.54	Inf	13.55	24.00
6525MHz	Pass	8.01	2.90	1.88	5.43	Inf	13.44	24.00
6565MHz	Pass	8.01	3.22	2.23	5.76	Inf	13.77	24.00
6685MHz	Pass	8.01	2.71	2.94	5.84	Inf	13.85	24.00
6845MHz	Pass	8.01	3.17	3.16	6.18	Inf	14.19	24.00
6885MHz	Pass	8.01	3.52	3.14	6.34	Inf	14.35	24.00
6925MHz	Pass	8.01	3.60	3.85	6.74	Inf	14.75	24.00
7005MHz	Pass	8.01	1.86	1.91	4.90	Inf	12.91	24.00
7085MHz	Pass	8.01	2.33	2.89	5.63	Inf	13.64	24.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
6065MHz	Pass	8.01	5.31	5.27	8.30	Inf	16.31	24.00
6145MHz	Pass	8.01	5.77	5.94	8.87	Inf	16.88	24.00
6385MHz	Pass	8.01	6.09	5.85	8.98	Inf	16.99	24.00
6465MHz	Pass	8.01	5.70	4.99	8.37	Inf	16.38	24.00
6545MHz	Pass	8.01	6.39	5.70	9.07	Inf	17.08	24.00
6625MHz	Pass	8.01	6.04	5.78	8.92	Inf	16.93	24.00
6705MHz	Pass	8.01	5.72	5.31	8.53	Inf	16.54	24.00
6785MHz	Pass	8.01	6.22	5.87	9.06	Inf	17.07	24.00
6865MHz	Pass	8.01	6.18	6.07	9.14	Inf	17.15	24.00
6945MHz	Pass	8.01	5.78	6.11	8.96	Inf	16.97	24.00
7025MHz	Pass	8.01	5.00	5.12	8.07	Inf	16.08	24.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
6025MHz	Pass	8.01	7.93	8.10	11.03	Inf	19.04	24.00
6185MHz	Pass	8.01	8.72	8.75	11.75	Inf	19.76	24.00
6345MHz	Pass	8.01	7.81	7.59	10.71	Inf	18.72	24.00
6505MHz	Pass	8.01	8.62	8.84	11.74	Inf	19.75	24.00
6665MHz	Pass	8.01	8.01	7.79	10.91	Inf	18.92	24.00
6825MHz	Pass	8.01	8.53	8.49	11.52	Inf	19.53	24.00
6985MHz	Pass	8.01	7.98	8.16	11.08	Inf	19.09	24.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-9.34	-1.33
802.11ax HEW40_Nss1,(MCS0)_2TX	-9.02	-1.01
802.11ax HEW80_Nss1,(MCS0)_2TX	-9.15	-1.14
802.11ax HEW160_Nss1,(MCS0)_2TX	-9.12	-1.11
6.425-6.525GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-9.12	-1.11
802.11ax HEW40_Nss1,(MCS0)_2TX	-9.03	-1.02
802.11ax HEW80_Nss1,(MCS0)_2TX	-9.10	-1.09
802.11ax HEW160_Nss1,(MCS0)_2TX	-9.06	-1.05
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-9.13	-1.12
802.11ax HEW40_Nss1,(MCS0)_2TX	-9.11	-1.10
802.11ax HEW80_Nss1,(MCS0)_2TX	-9.24	-1.23
802.11ax HEW160_Nss1,(MCS0)_2TX	-9.34	-1.33
6.875-7.125GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-9.06	-1.05
802.11ax HEW40_Nss1,(MCS0)_2TX	-9.02	-1.01
802.11ax HEW80_Nss1,(MCS0)_2TX	-9.19	-1.18
802.11ax HEW160_Nss1,(MCS0)_2TX	-9.23	-1.22

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5955MHz	Pass	8.01	-12.40	-11.80	-9.37	Inf	-1.36	-1.00
6175MHz	Pass	8.01	-12.48	-12.01	-9.42	Inf	-1.41	-1.00
6415MHz	Pass	8.01	-11.83	-12.55	-9.34	Inf	-1.33	-1.00
6435MHz	Pass	8.01	-11.74	-12.20	-9.13	Inf	-1.12	-1.00
6475MHz	Pass	8.01	-12.09	-12.49	-9.49	Inf	-1.48	-1.00
6515MHz	Pass	8.01	-11.75	-12.18	-9.12	Inf	-1.11	-1.00
6535MHz	Pass	8.01	-12.02	-12.21	-9.17	Inf	-1.16	-1.00
6695MHz	Pass	8.01	-11.56	-11.77	-9.23	Inf	-1.22	-1.00
6855MHz	Pass	8.01	-11.71	-12.06	-9.35	Inf	-1.34	-1.00
6875MHz	Pass	8.01	-11.92	-11.37	-9.13	Inf	-1.12	-1.00
6895MHz	Pass	8.01	-12.77	-12.69	-9.92	Inf	-1.91	-1.00
6995MHz	Pass	8.01	-12.16	-11.63	-9.06	Inf	-1.05	-1.00
7095MHz	Pass	8.01	-12.33	-11.87	-9.40	Inf	-1.39	-1.00
7115MHz	Pass	8.01	-12.33	-11.76	-9.25	Inf	-1.24	-1.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5965MHz	Pass	8.01	-12.10	-11.66	-9.02	Inf	-1.01	-1.00
6165MHz	Pass	8.01	-12.16	-11.60	-9.03	Inf	-1.02	-1.00
6405MHz	Pass	8.01	-11.94	-12.13	-9.29	Inf	-1.28	-1.00
6445MHz	Pass	8.01	-11.38	-11.55	-9.03	Inf	-1.02	-1.00
6485MHz	Pass	8.01	-11.76	-12.01	-9.15	Inf	-1.14	-1.00
6525MHz	Pass	8.01	-11.76	-12.36	-9.19	Inf	-1.18	-1.00
6565MHz	Pass	8.01	-12.07	-11.88	-9.11	Inf	-1.10	-1.00
6685MHz	Pass	8.01	-12.72	-11.67	-9.25	Inf	-1.24	-1.00
6845MHz	Pass	8.01	-12.14	-11.71	-9.24	Inf	-1.23	-1.00
6885MHz	Pass	8.01	-11.44	-11.88	-9.12	Inf	-1.11	-1.00
6925MHz	Pass	8.01	-11.88	-11.27	-9.02	Inf	-1.01	-1.00
7005MHz	Pass	8.01	-12.07	-12.24	-9.28	Inf	-1.27	-1.00
7085MHz	Pass	8.01	-12.86	-12.20	-9.61	Inf	-1.60	-1.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
6065MHz	Pass	8.01	-12.34	-12.20	-9.58	Inf	-1.57	-1.00
6145MHz	Pass	8.01	-12.43	-11.88	-9.34	Inf	-1.33	-1.00
6385MHz	Pass	8.01	-12.30	-11.88	-9.15	Inf	-1.14	-1.00
6465MHz	Pass	8.01	-11.89	-12.58	-9.31	Inf	-1.30	-1.00
6545MHz	Pass	8.01	-11.77	-12.13	-9.10	Inf	-1.09	-1.00
6625MHz	Pass	8.01	-12.53	-12.30	-9.57	Inf	-1.56	-1.00
6705MHz	Pass	8.01	-11.74	-12.62	-9.24	Inf	-1.23	-1.00
6785MHz	Pass	8.01	-12.39	-11.90	-9.46	Inf	-1.45	-1.00
6865MHz	Pass	8.01	-12.46	-11.69	-9.38	Inf	-1.37	-1.00
6945MHz	Pass	8.01	-11.79	-12.20	-9.19	Inf	-1.18	-1.00
7025MHz	Pass	8.01	-12.00	-12.27	-9.26	Inf	-1.25	-1.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
6025MHz	Pass	8.01	-12.55	-11.99	-9.52	Inf	-1.51	-1.00
6185MHz	Pass	8.01	-11.88	-12.01	-9.12	Inf	-1.11	-1.00
6345MHz	Pass	8.01	-11.99	-12.07	-9.40	Inf	-1.39	-1.00
6505MHz	Pass	8.01	-12.20	-11.64	-9.06	Inf	-1.05	-1.00
6665MHz	Pass	8.01	-12.39	-12.06	-9.42	Inf	-1.41	-1.00
6825MHz	Pass	8.01	-11.87	-12.49	-9.34	Inf	-1.33	-1.00
6985MHz	Pass	8.01	-11.96	-12.34	-9.23	Inf	-1.22	-1.00

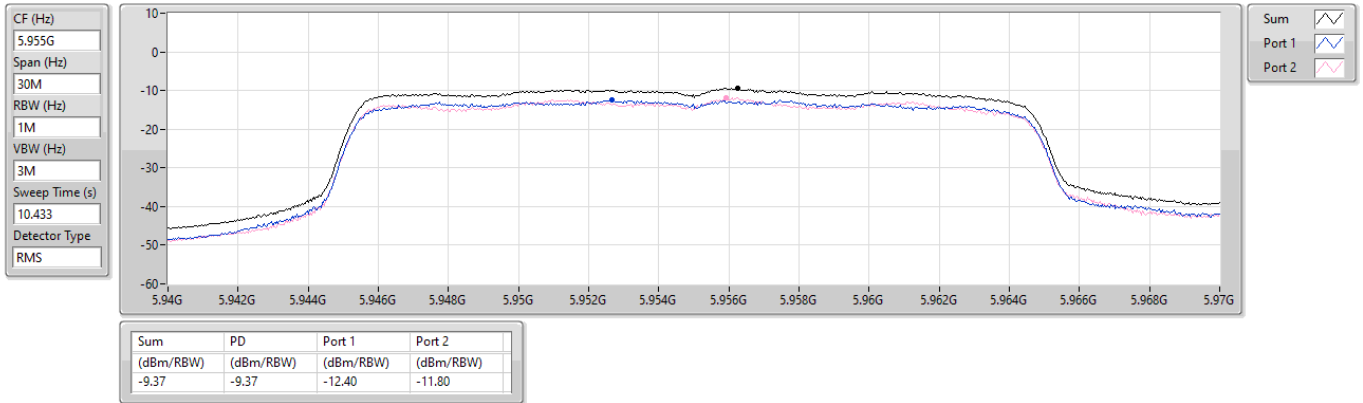
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

5.925-6.425GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

5955MHz

10/06/2023

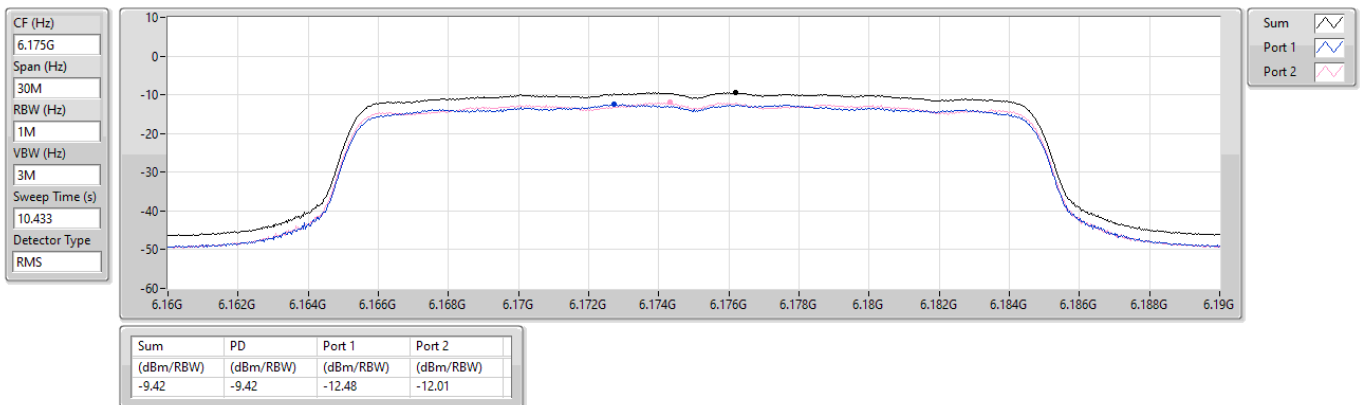


5.925-6.425GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

6175MHz

10/06/2023



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

PSD

6415MHz

10/06/2023

CF (Hz)
6.415G

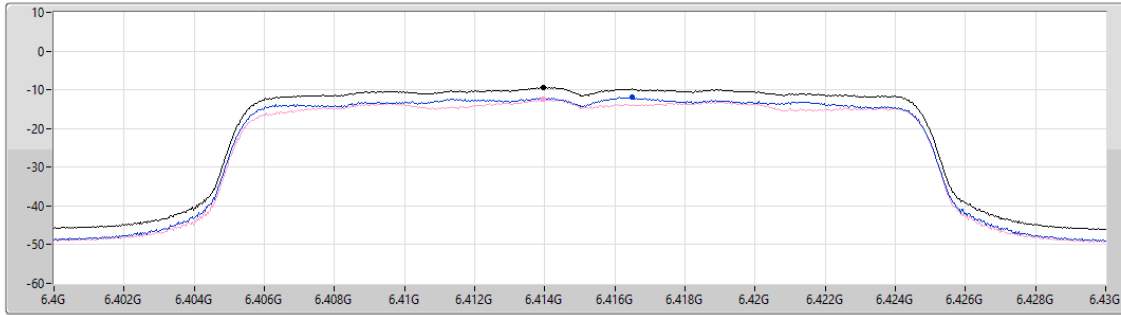
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
10.433

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.34	-9.34	-11.83	-12.55

6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

6435MHz

10/06/2023

CF (Hz)
6.435G

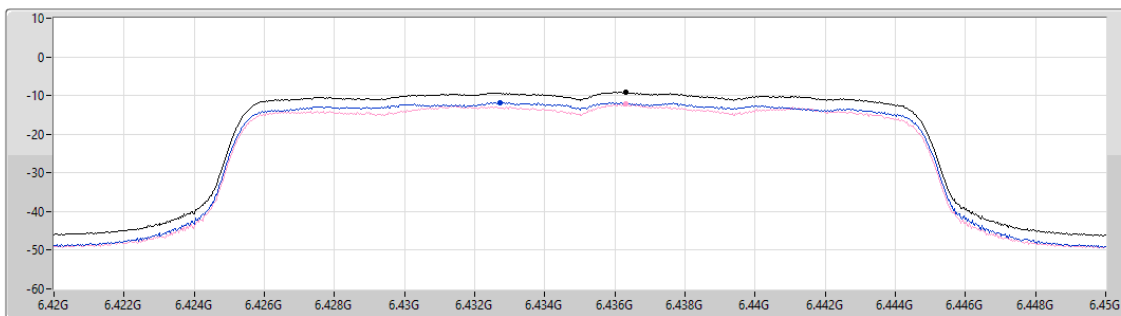
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
10.433

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.13	-9.13	-11.74	-12.20

6.425-6.525GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

6475MHz

10/06/2023

CF (Hz)
6.475G

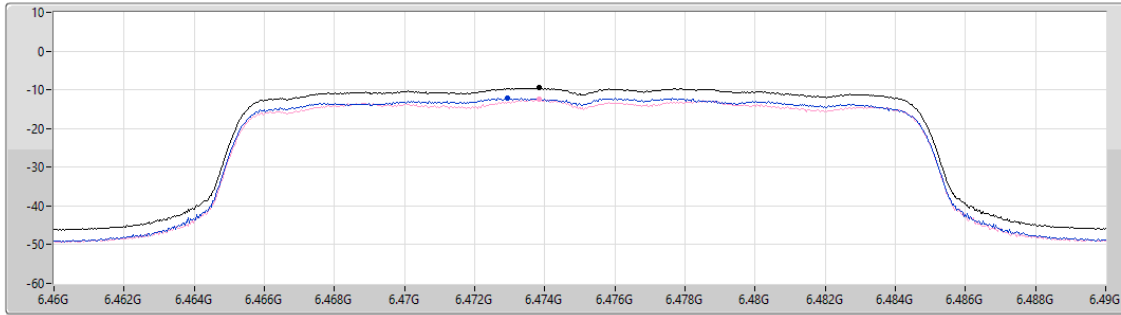
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
10.433

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.49	-9.49	-12.09	-12.49

6.425-6.525GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

6515MHz

10/06/2023

CF (Hz)
6.515G

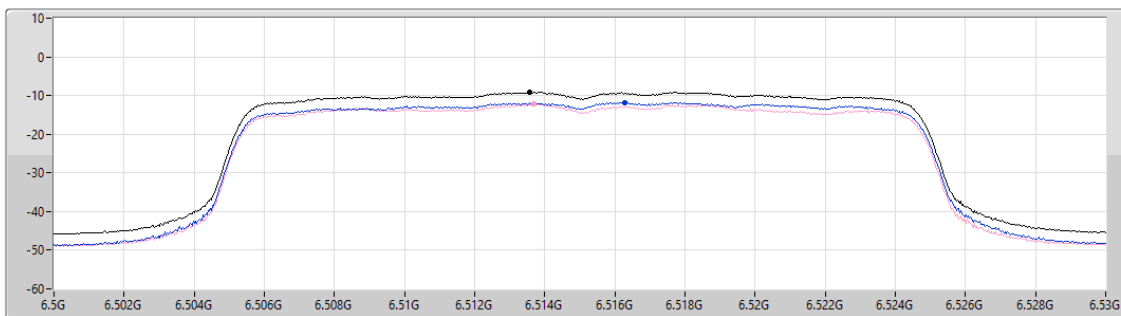
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
10.433

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.12	-9.12	-11.75	-12.18

6.525-6.875GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

6535MHz

10/06/2023

CF (Hz)
6.535G

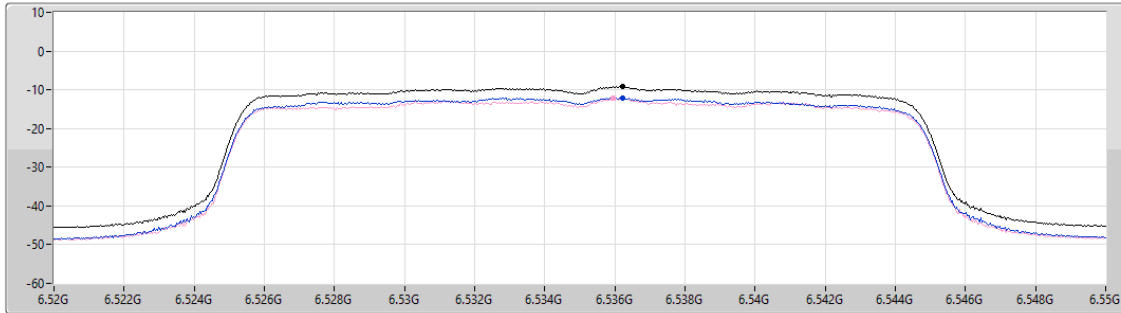
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
10.433

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.17	-9.17	-12.02	-12.21

6.525-6.875GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

6695MHz

10/06/2023

CF (Hz)
6.695G

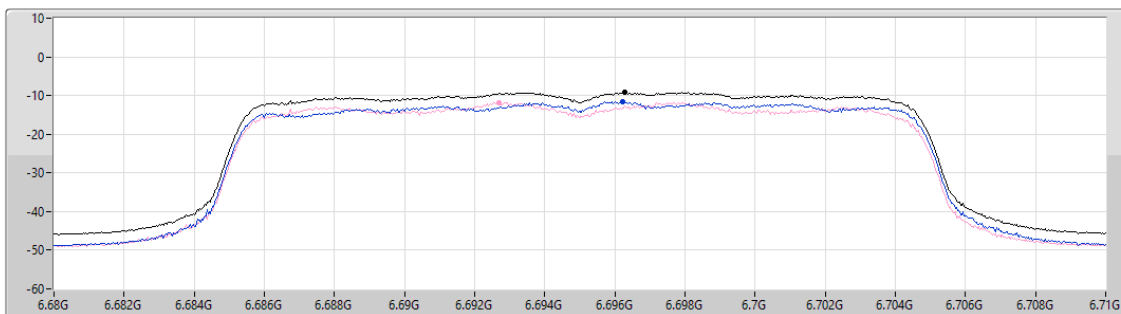
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
10.433

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.23	-9.23	-11.56	-11.77

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

PSD

6855MHz

10/06/2023

CF (Hz)
6.855G

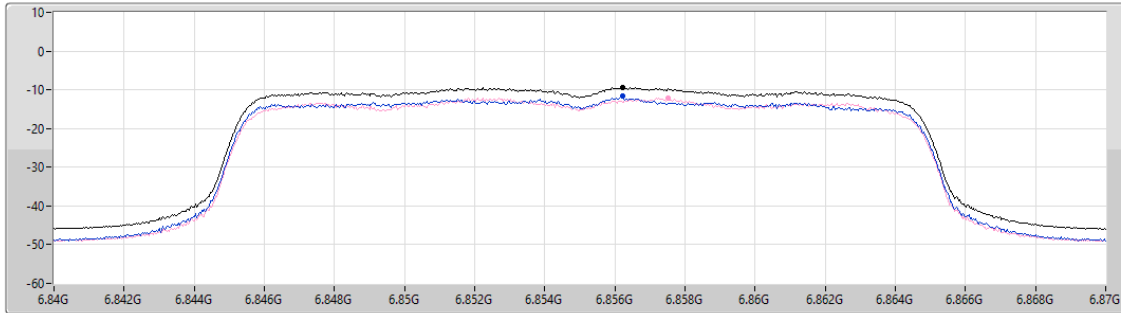
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
10.433

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.35	-9.35	-11.71	-12.06

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

PSD

6875MHz

10/06/2023

CF (Hz)
6.875G

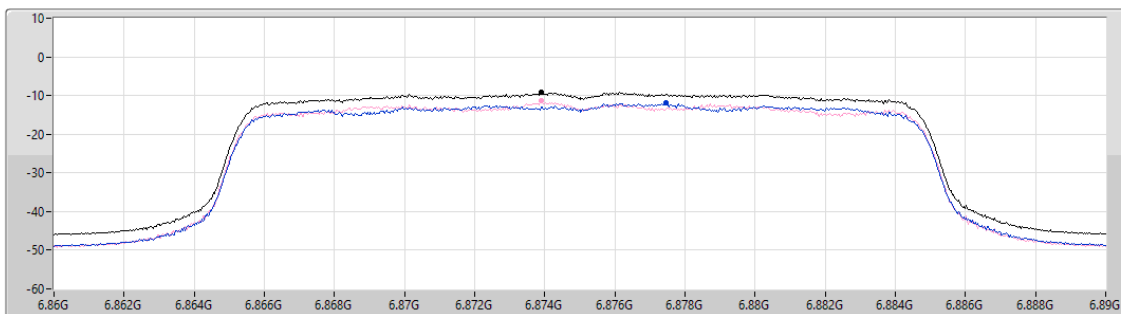
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
10.433

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.13	-9.13	-11.92	-11.37

6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

6895MHz

10/06/2023

CF (Hz)
6.895G

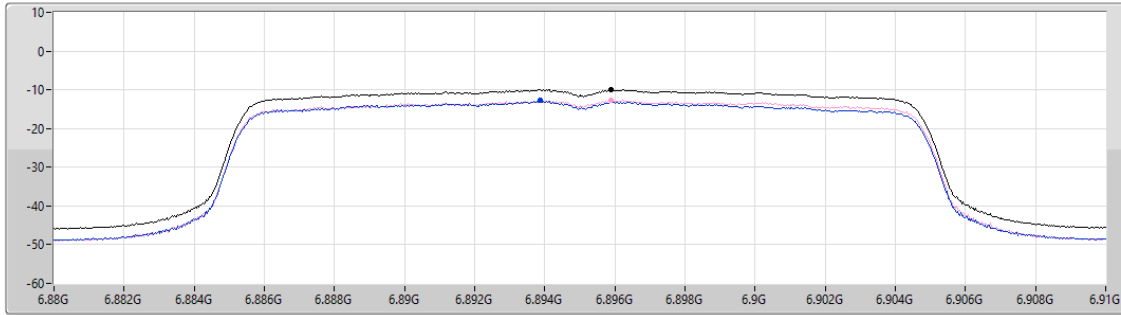
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
10.433

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.92	-9.92	-12.77	-12.69

6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

6995MHz

10/06/2023

CF (Hz)
6.995G

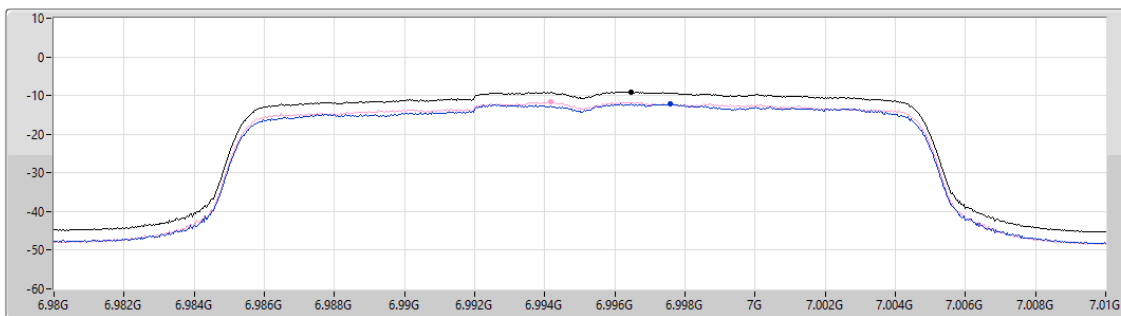
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
10.433

Detector Type
RMS



Sum 

Port 1 

Port 2 

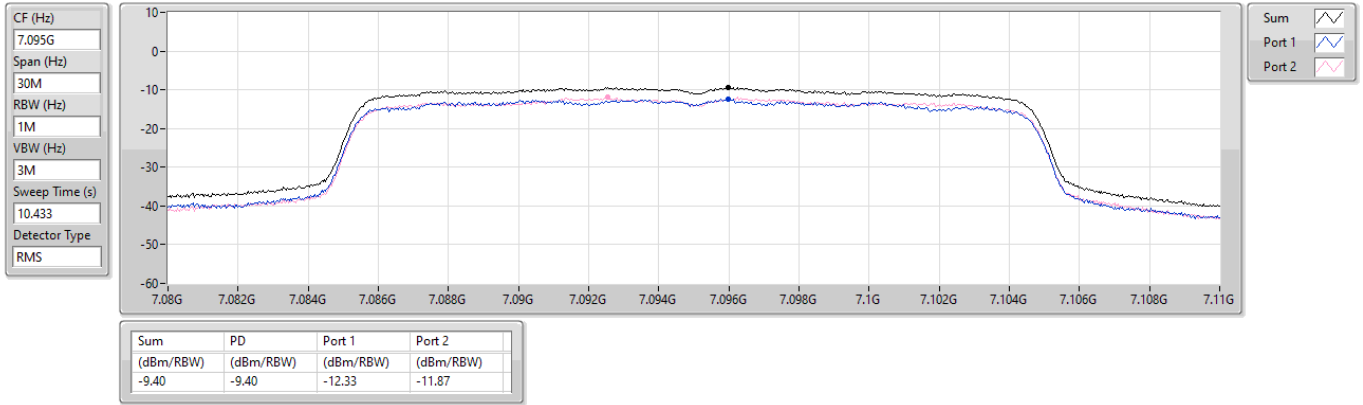
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.06	-9.06	-12.16	-11.63

6.875-7.125GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

7095MHz

10/06/2023

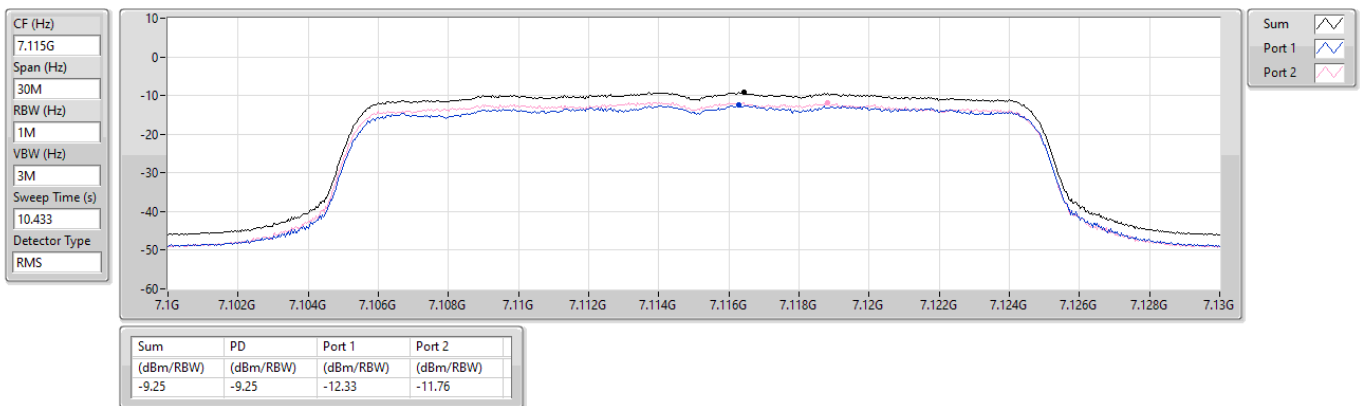


6.875-7.125GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

7115MHz

10/06/2023



5.925-6.425GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

PSD

5965MHz

10/06/2023

CF (Hz)
5.965G

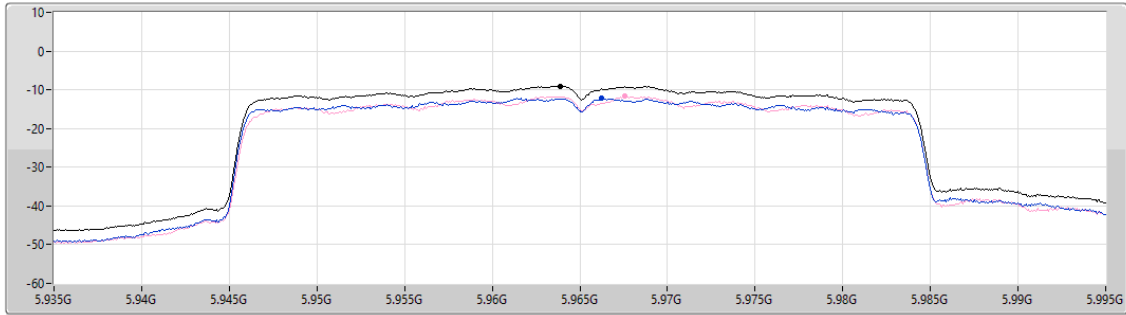
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.691

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.02	-9.02	-12.10	-11.66

5.925-6.425GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

PSD

6165MHz

10/06/2023

CF (Hz)
6.165G

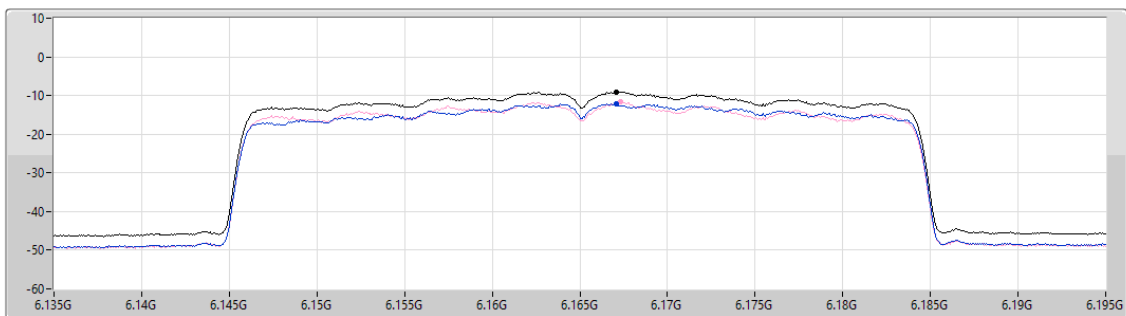
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.691

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.03	-9.03	-12.16	-11.60

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

PSD

6405MHz

10/06/2023

CF (Hz)
6.405G

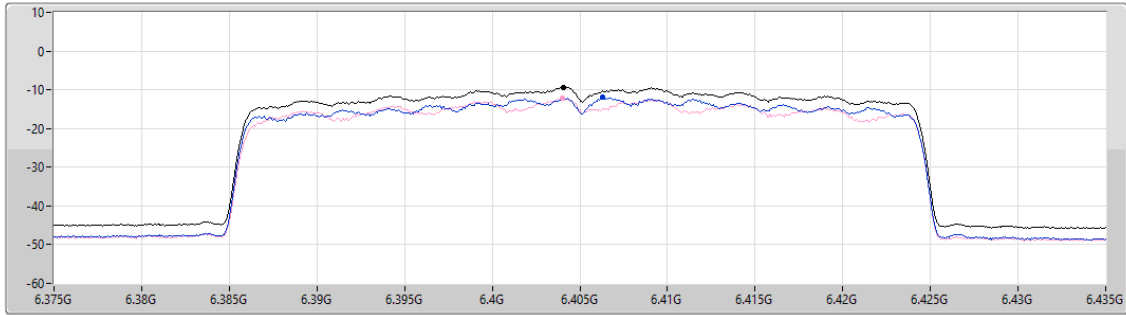
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.691

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.29	-9.29	-11.94	-12.13

6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

6445MHz

10/06/2023

CF (Hz)
6.445G

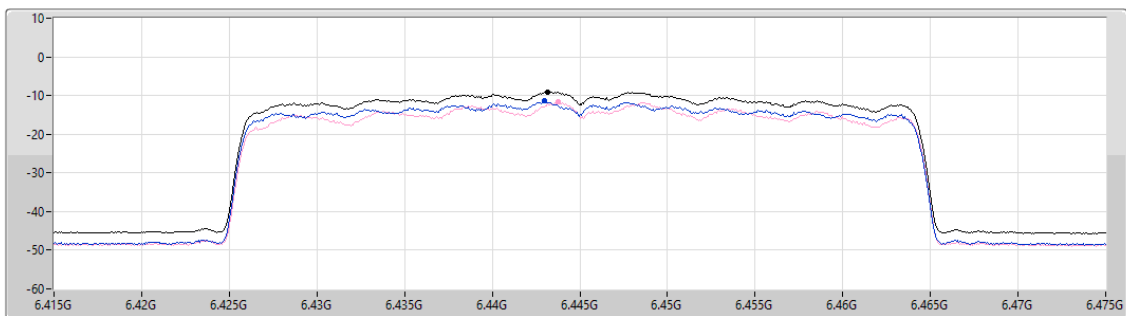
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.691

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.03	-9.03	-11.38	-11.55

6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

6485MHz

10/06/2023

CF (Hz)
6.485G

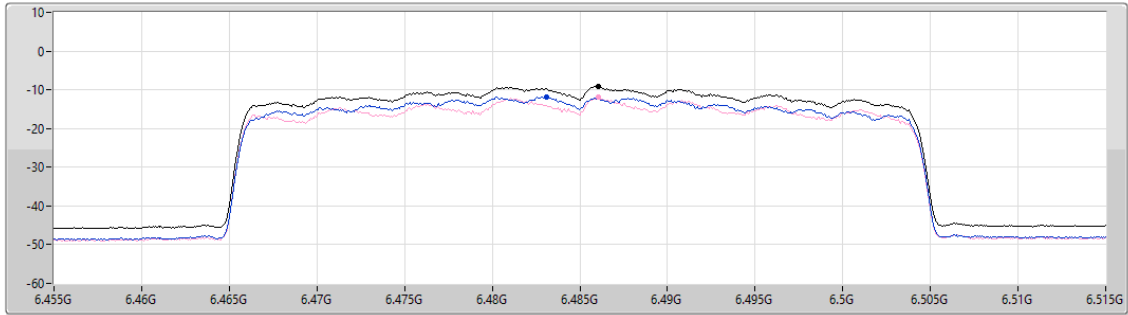
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.691

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.15	-9.15	-11.76	-12.01

6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

6525MHz

10/06/2023

CF (Hz)
6.525G

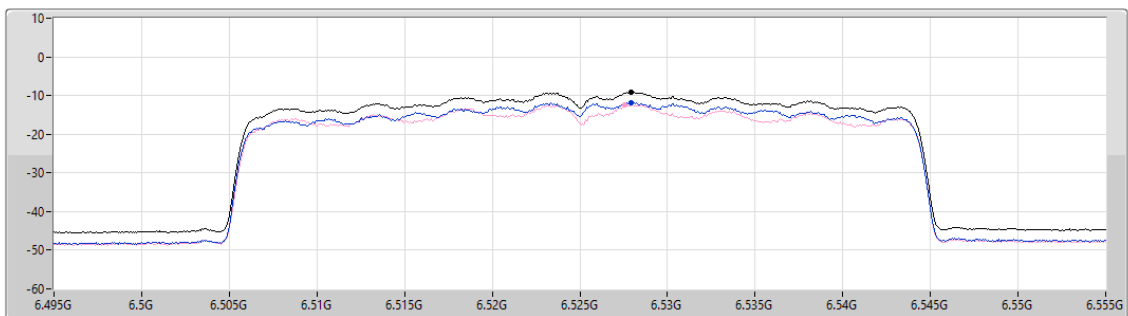
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.691

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

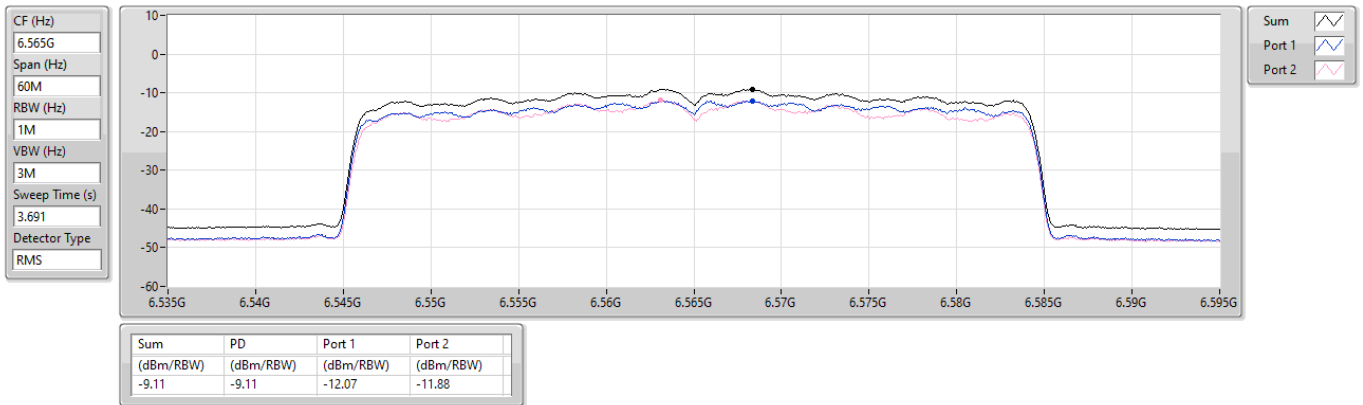
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.19	-9.19	-11.76	-12.36

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

PSD

6565MHz

10/06/2023

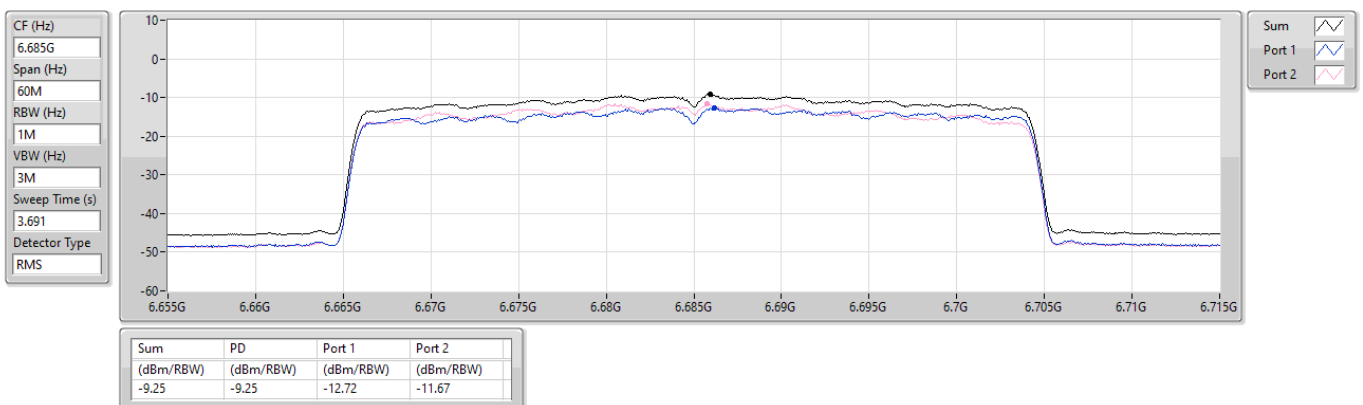


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

6685MHz

10/06/2023



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

PSD

6845MHz

10/06/2023

CF (Hz)
6.845G

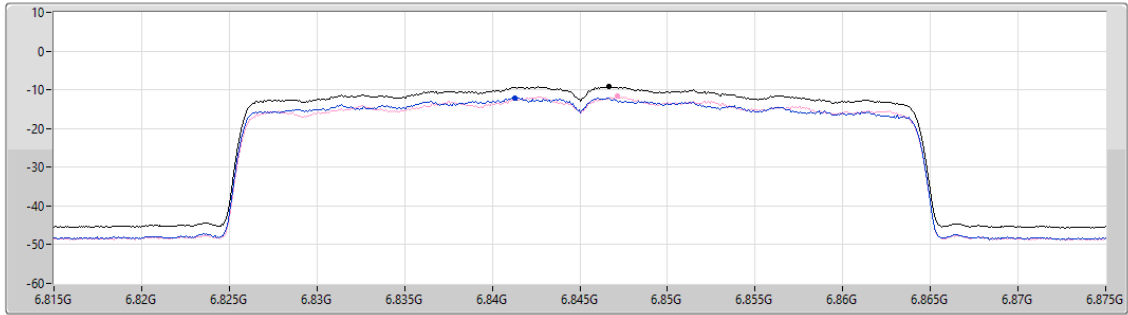
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.691

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.24	-9.24	-12.14	-11.71

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

PSD

6885MHz

10/06/2023

CF (Hz)
6.885G

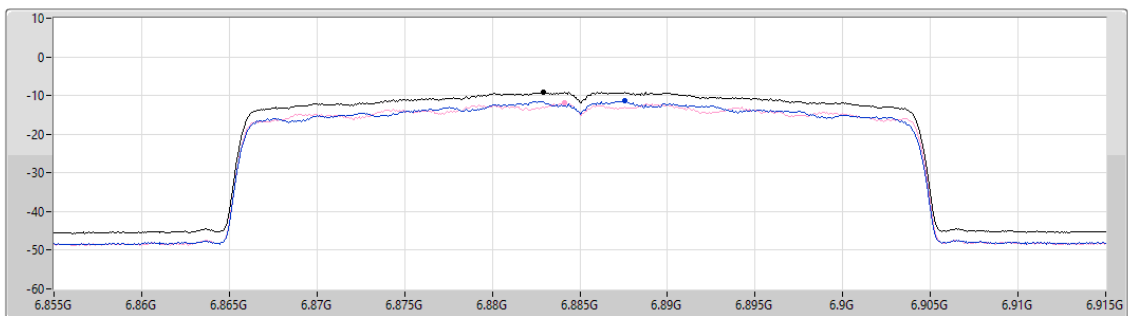
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.691

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.12	-9.12	-11.44	-11.88

6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

6925MHz

10/06/2023

CF (Hz)
6.925G

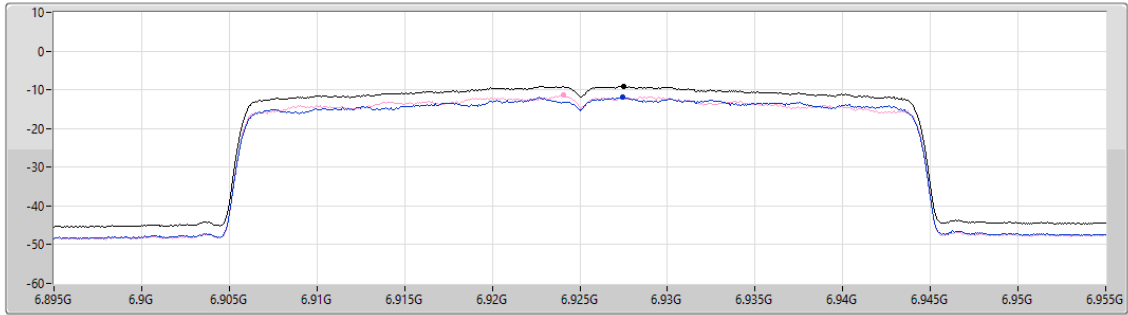
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.691

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.02	-9.02	-11.88	-11.27

6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

7005MHz

10/06/2023

CF (Hz)
7.005G

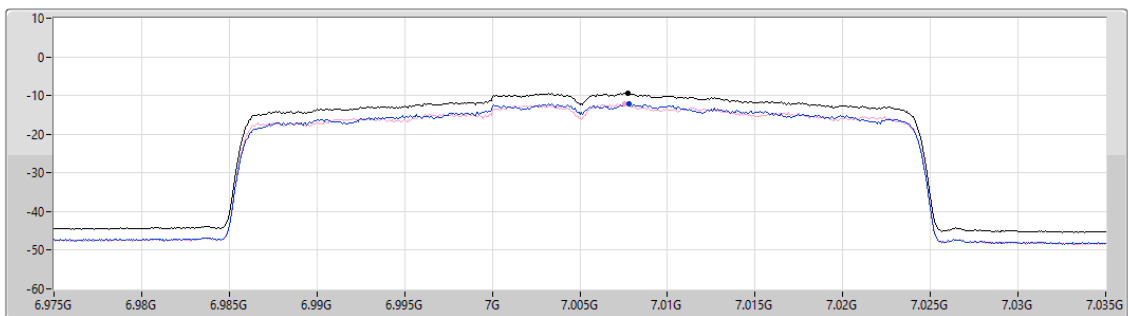
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.691

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.28	-9.28	-12.07	-12.24

6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

7085MHz

10/06/2023

CF (Hz)
7.085G

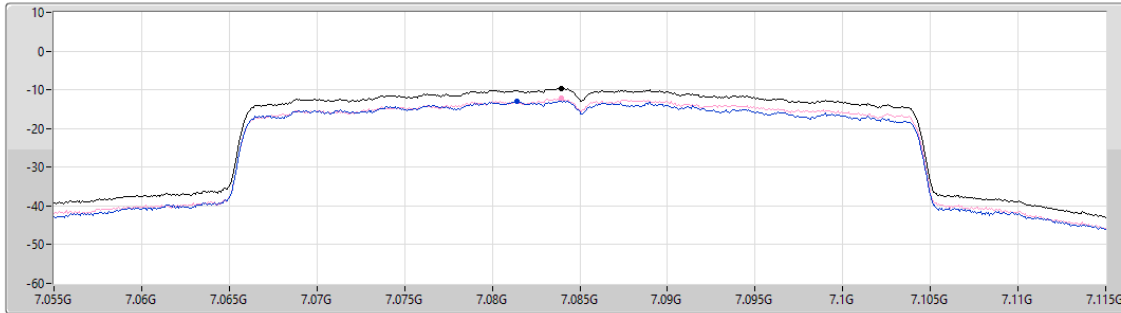
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.691

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.61	-9.61	-12.86	-12.20

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

PSD

6065MHz

12/06/2023

CF (Hz)
6.065G

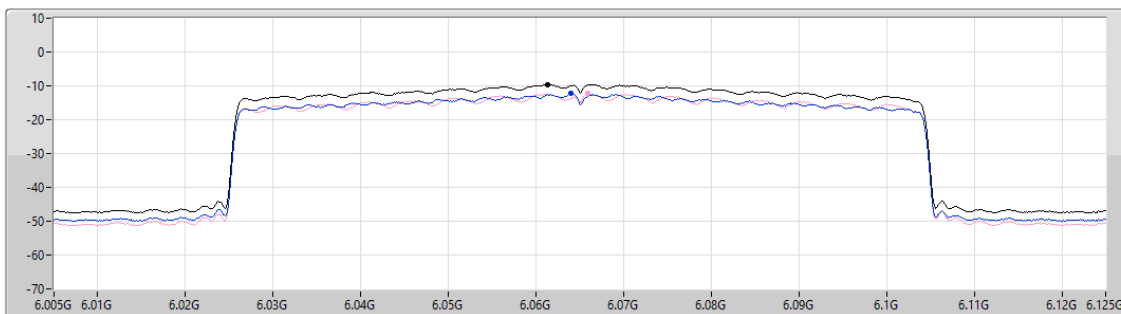
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.541

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.58	-9.58	-12.34	-12.20

5.925-6.425GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

PSD

6145MHz

10/06/2023

CF (Hz)
6.145G

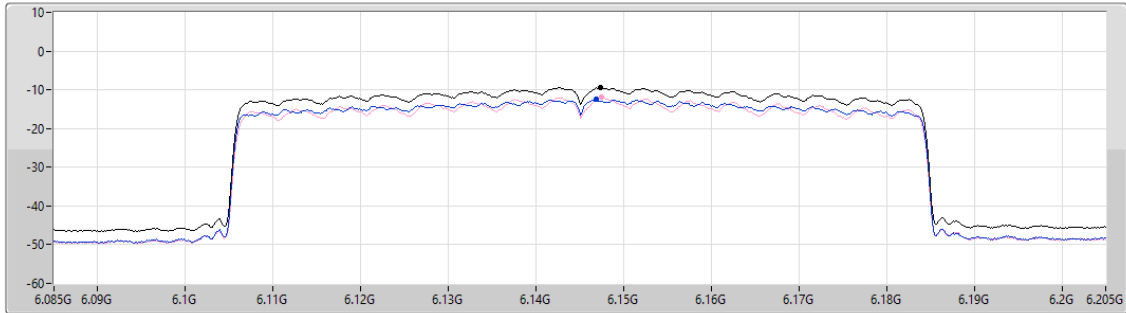
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.541

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.34	-9.34	-12.43	-11.88

5.925-6.425GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

PSD

6385MHz

10/06/2023

CF (Hz)
6.385G

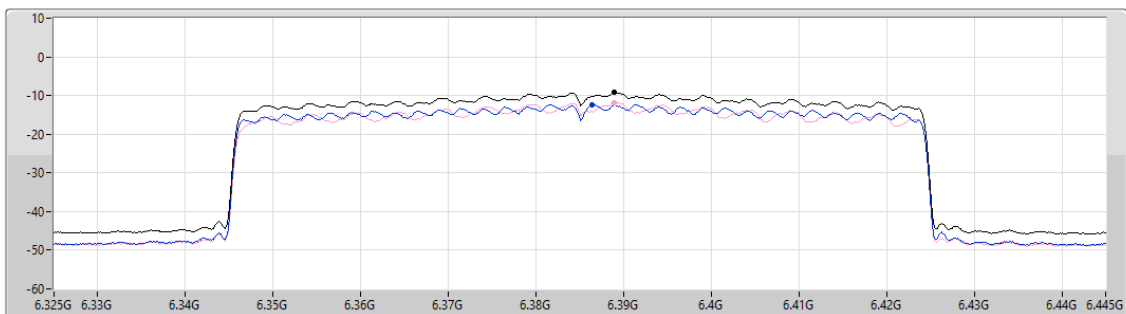
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.541

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.15	-9.15	-12.30	-11.88

6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

6465MHz

10/06/2023

CF (Hz)
6.465G

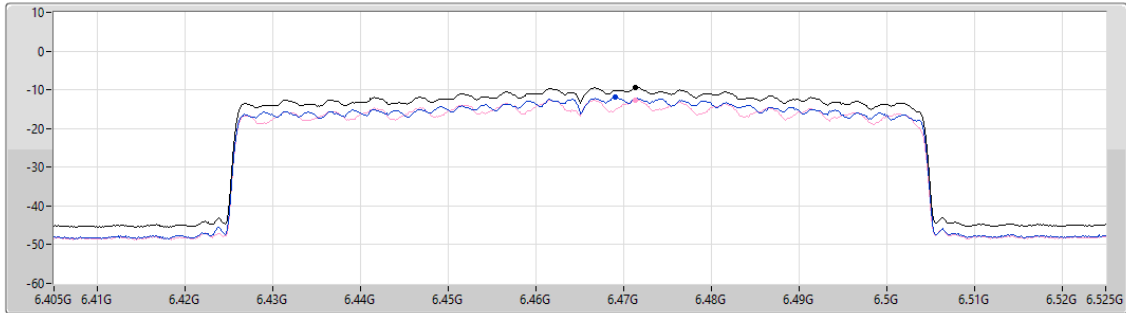
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.541

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.31	-9.31	-11.89	-12.58

6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

6545MHz

10/06/2023

CF (Hz)
6.545G

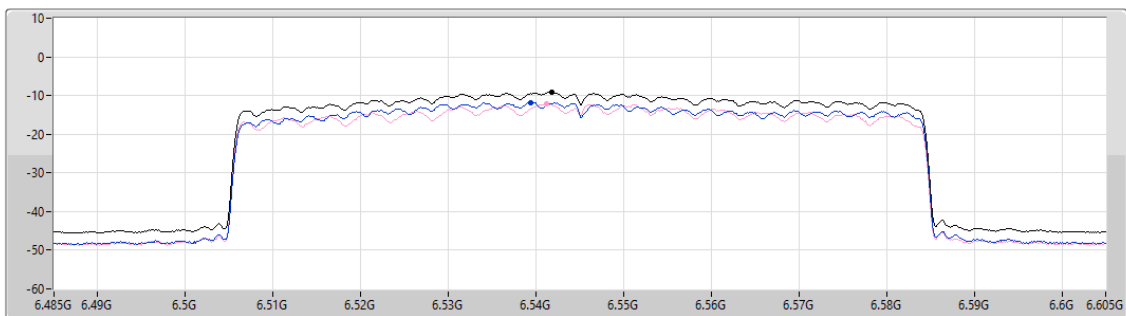
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.541

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.10	-9.10	-11.77	-12.13

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

PSD

6625MHz

10/06/2023

CF (Hz)
6.625G

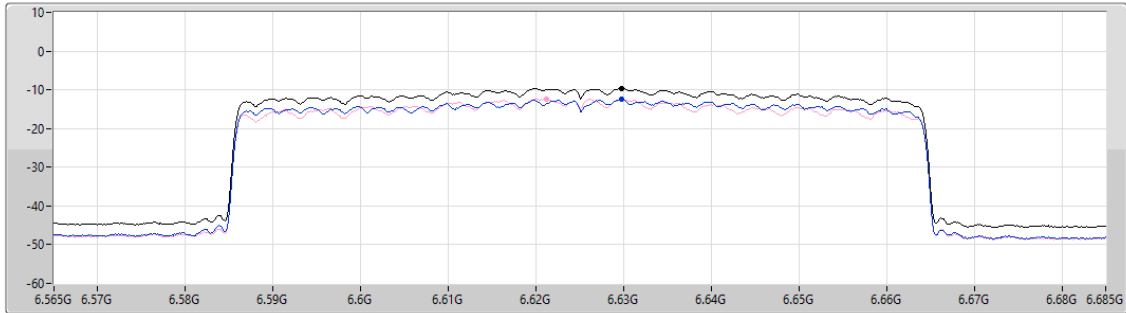
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.541

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.57	-9.57	-12.53	-12.30

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

PSD

6705MHz

10/06/2023

CF (Hz)
6.705G

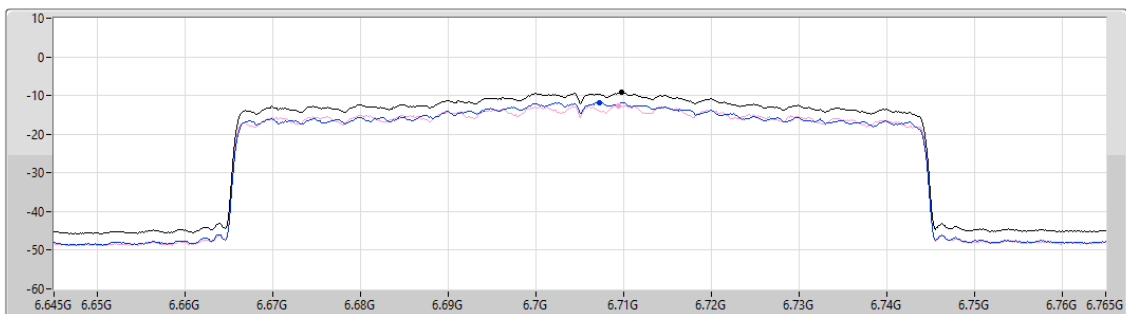
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.541

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.24	-9.24	-11.74	-12.62

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

PSD

6785MHz

10/06/2023

CF (Hz)
6.785G

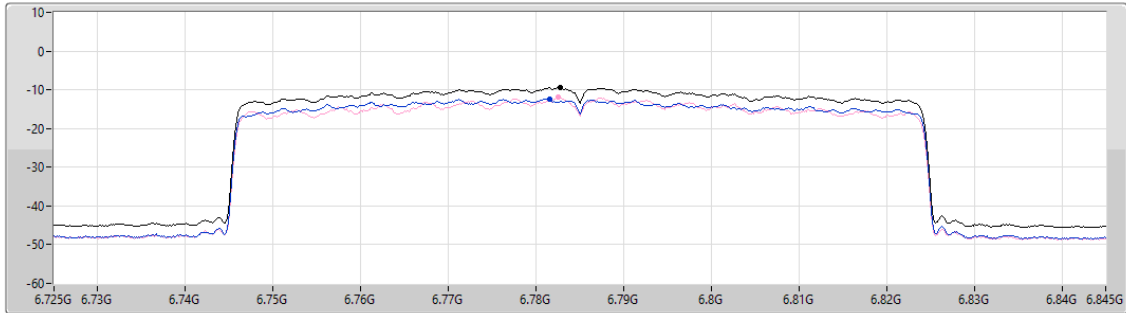
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.541

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.46	-9.46	-12.39	-11.90

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

PSD

6865MHz

10/06/2023

CF (Hz)
6.865G

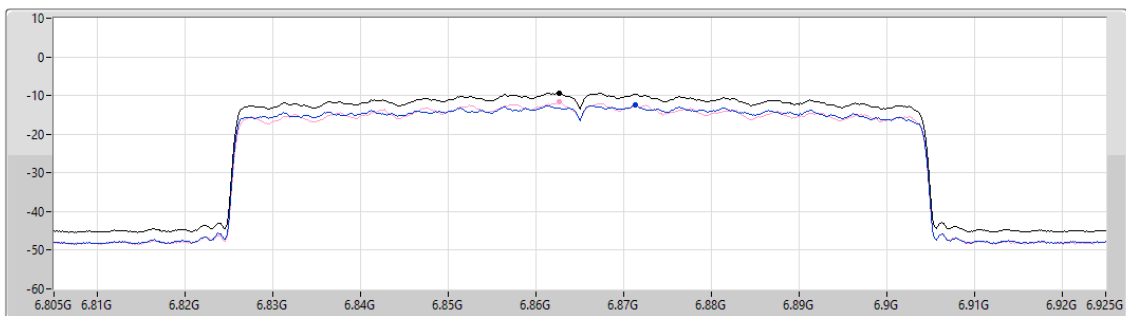
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.541

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.38	-9.38	-12.46	-11.69

6.875-7.125GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

PSD

6945MHz

10/06/2023

CF (Hz)
6.945G

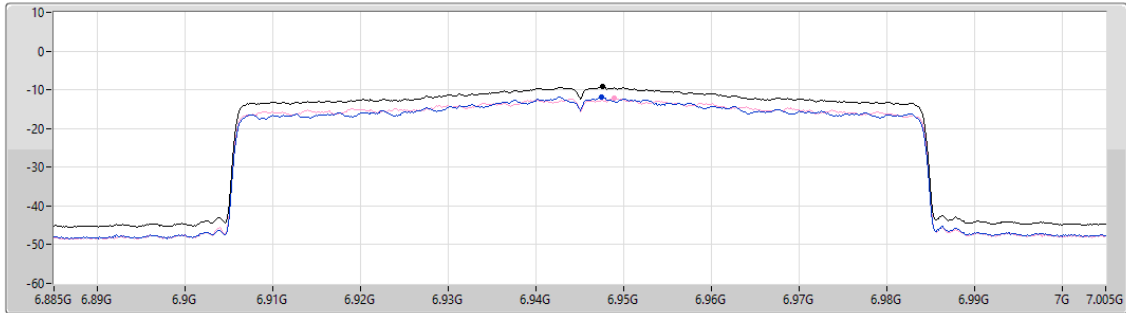
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.541

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.19	-9.19	-11.79	-12.20

6.875-7.125GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

PSD

7025MHz

10/06/2023

CF (Hz)
7.025G

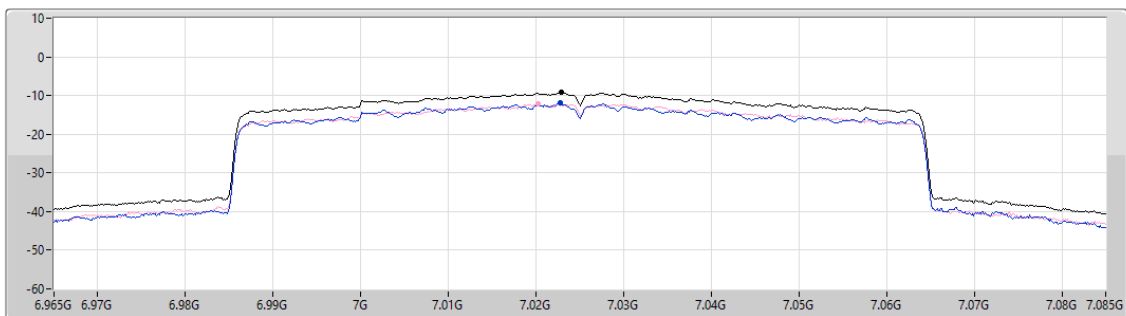
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
3.541

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.26	-9.26	-12.00	-12.27

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

PSD

6025MHz

10/06/2023

CF (Hz)
6.025G

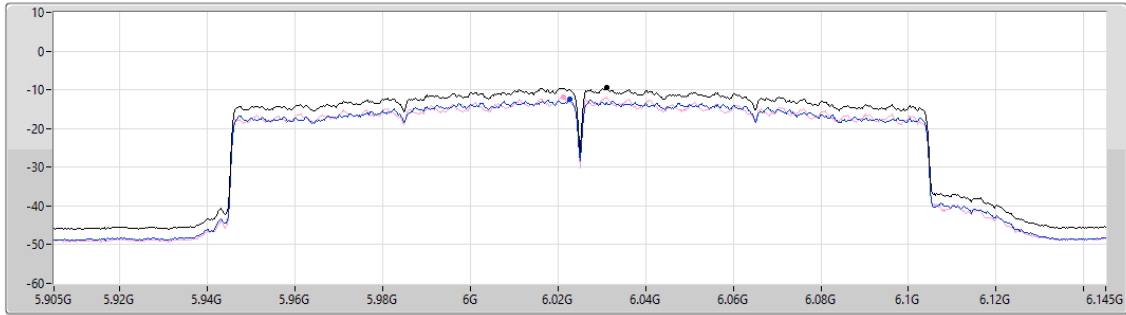
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
2.367

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.52	-9.52	-12.55	-11.99

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

PSD

6185MHz

10/06/2023

CF (Hz)
6.185G

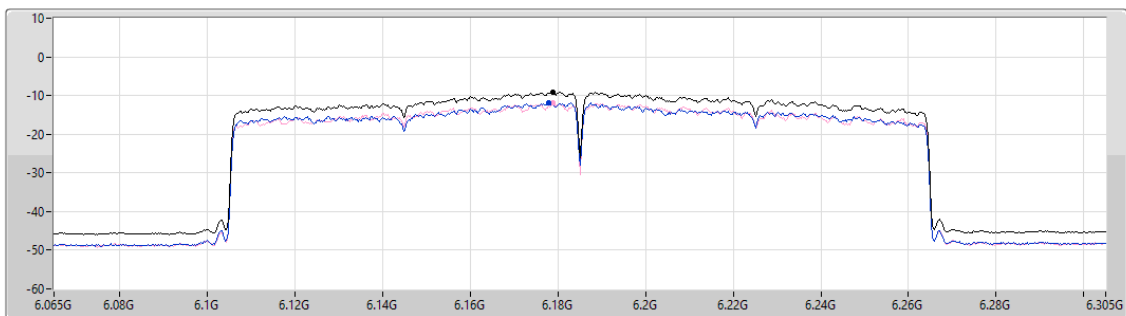
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
2.367

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

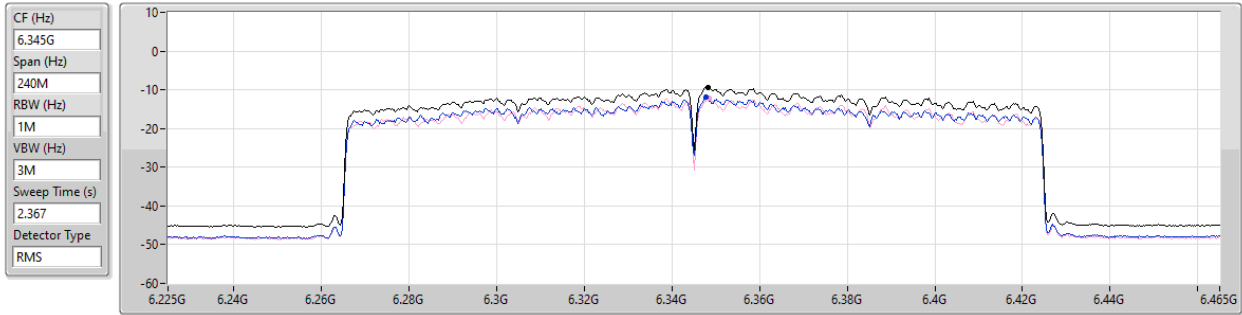
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.12	-9.12	-11.88	-12.01

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

PSD

6345MHz

10/06/2023



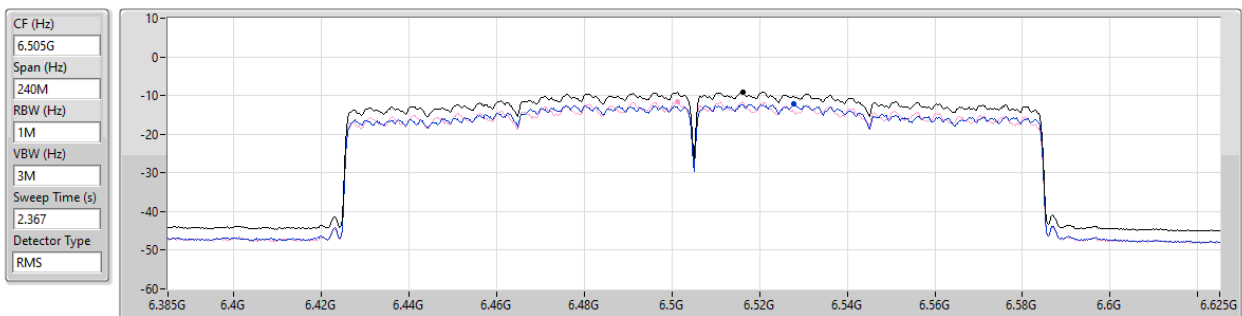
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.40	-9.40	-11.99	-12.07

6.425-6.525GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

PSD

6505MHz

10/06/2023



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.06	-9.06	-12.20	-11.64

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

PSD

6665MHz

10/06/2023

CF (Hz)
6.665G

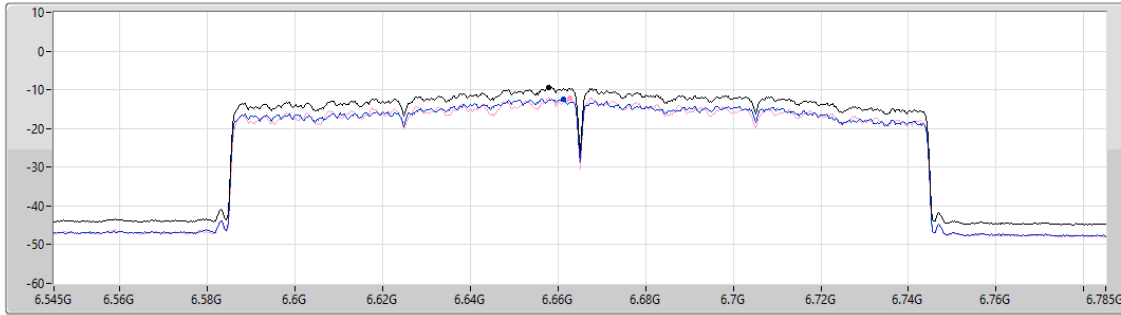
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
2.367

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.42	-9.42	-12.39	-12.06

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

PSD

6825MHz

10/06/2023

CF (Hz)
6.825G

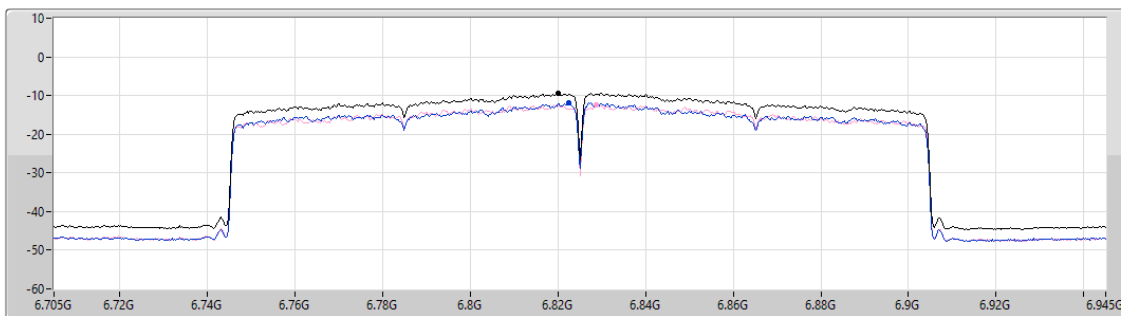
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
2.367

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.34	-9.34	-11.87	-12.49

6.875-7.125GHz_802.11ax_HEW160_Nss1,(MCS0)_2TX

PSD

6985MHz

10/06/2023

CF (Hz)
6.985G

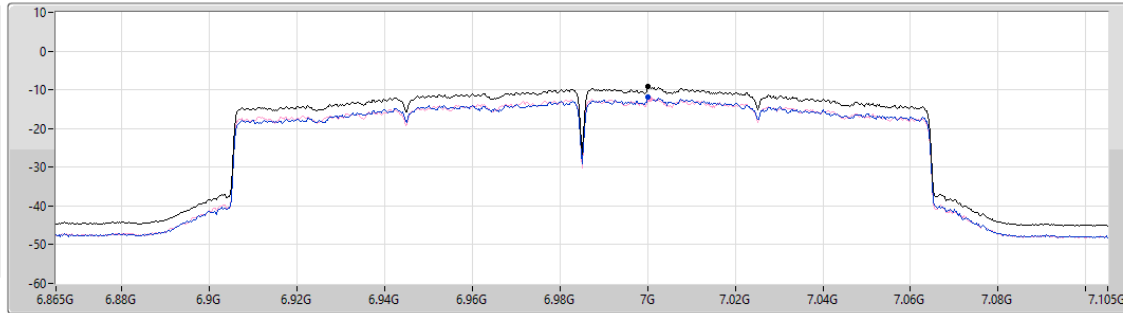
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
2.367

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.23	-9.23	-11.96	-12.34

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
5.925-6.425GHz	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	5.95555G	-16.90	5.97115G	-46.92	-39.92	-7.00	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	5.96695G	-12.66	5.99155G	-40.28	-34.67	-5.61	2
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	6.3817G	-10.62	6.5276G	-58.49	-50.62	-7.87	1
802.11ax HEW160_Nss1,(MCS0)_2TX	Pass	6.0182G	-8.25	6.116G	-36.83	-28.92	-7.91	1
6.425-6.525GHz	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	6.473825G	-16.77	6.463825G	-49.34	-36.77	-12.57	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	6.442651G	-15.02	6.52515G	-61.66	-55.02	-6.64	1
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	6.4693G	-10.06	6.5851G	-60.03	-49.96	-10.07	1
802.11ax HEW160_Nss1,(MCS0)_2TX	Pass	6.5206G	-7.65	6.5864G	-34.26	-25.25	-9.01	1
6.525-6.875GHz	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	6.697324G	-15.65	6.655075G	-66.94	-55.65	-11.29	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	6.568649G	-15.08	6.4851G	-62.45	-55.08	-7.37	1
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	6.7859G	-10.68	6.6504G	-60.83	-50.68	-10.15	1
802.11ax HEW160_Nss1,(MCS0)_2TX	Pass	6.8178G	-7.62	6.5284G	-56.09	-47.62	-8.47	1
6.875-7.125GHz	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	7.0938G	-17.37	7.080175G	-45.57	-39.57	-6.00	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	7.0844G	-14.20	7.06045G	-41.52	-35.32	-6.20	1
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	7.0201G	-11.10	6.968G	-39.83	-34.34	-5.49	2
802.11ax HEW160_Nss1,(MCS0)_2TX	Pass	7.0004G	-7.48	7.0676G	-36.21	-27.50	-8.71	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.953825G	-17.10	5.9691G	-46.19	-38.65	-7.54	1
5955MHz	Pass	5.95555G	-16.90	5.97115G	-46.92	-39.92	-7.00	2
6175MHz	Pass	6.173775G	-16.97	6.186125G	-48.87	-37.00	-11.87	1
6175MHz	Pass	6.17455G	-16.32	6.1864G	-49.41	-36.52	-12.89	2
6415MHz	Pass	6.412851G	-16.40	6.426225G	-49.49	-36.30	-13.19	1
6415MHz	Pass	6.413425G	-16.90	6.426025G	-48.79	-36.91	-11.88	2
6435MHz	Pass	6.43645G	-16.36	6.446425G	-49.12	-36.41	-12.71	1
6435MHz	Pass	6.433825G	-16.56	6.44635G	-51.08	-36.71	-14.37	2
6475MHz	Pass	6.473825G	-16.77	6.463825G	-49.34	-36.77	-12.57	1
6475MHz	Pass	6.476025G	-17.48	6.515025G	-71.84	-57.48	-14.36	2
6515MHz	Pass	6.516325G	-15.97	6.5266G	-50.34	-35.98	-14.36	1
6515MHz	Pass	6.51385G	-16.55	6.52665G	-50.96	-36.60	-14.36	2
6535MHz	Pass	6.5345G	-16.16	6.546675G	-50.30	-36.40	-13.90	1
6535MHz	Pass	6.5362G	-17.22	6.54665G	-51.66	-37.32	-14.34	2
6695MHz	Pass	6.697324G	-15.65	6.655075G	-66.94	-55.65	-11.29	1
6695MHz	Pass	6.697224G	-16.59	6.655075G	-69.42	-56.59	-12.83	2
6855MHz	Pass	6.85605G	-17.51	6.8151G	-71.00	-57.51	-13.49	1
6855MHz	Pass	6.852551G	-17.54	6.8663G	-50.29	-37.57	-12.72	2
6875MHz	Pass	6.878874G	-16.40	6.886475G	-49.28	-36.47	-12.81	1
6875MHz	Pass	6.874575G	-16.59	6.835075G	-70.26	-56.59	-13.67	2
6895MHz	Pass	6.896325G	-17.18	6.9064G	-51.68	-37.33	-14.35	1
6895MHz	Pass	6.8964G	-17.27	6.942525G	-71.81	-57.27	-14.54	2
6995MHz	Pass	6.99635G	-17.70	7.0062G	-49.25	-37.60	-11.65	1
6995MHz	Pass	7.001448G	-17.32	7.00645G	-50.31	-37.41	-12.90	2
7095MHz	Pass	7.0938G	-17.37	7.080175G	-45.57	-39.57	-6.00	1
7095MHz	Pass	7.092601G	-16.41	7.081175G	-44.27	-37.50	-6.77	2
7115MHz	Pass	7.11545G	-17.45	7.126225G	-50.39	-37.49	-12.90	1
7115MHz	Pass	7.111326G	-17.18	7.12635G	-49.17	-37.19	-11.98	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5965MHz	Pass	5.9664G	-12.91	5.99135G	-40.28	-33.27	-7.01	1
5965MHz	Pass	5.96695G	-12.66	5.99155G	-40.28	-34.67	-5.61	2
6165MHz	Pass	6.16455G	-15.48	6.08505G	-65.21	-55.48	-9.73	1
6165MHz	Pass	6.1644G	-14.71	6.2451G	-64.34	-54.71	-9.63	2
6405MHz	Pass	6.40395G	-15.43	6.4851G	-62.12	-55.43	-6.69	1
6405MHz	Pass	6.402501G	-15.48	6.4851G	-63.57	-55.48	-8.09	2
6445MHz	Pass	6.442651G	-15.02	6.52515G	-61.66	-55.02	-6.64	1
6445MHz	Pass	6.448599G	-15.30	6.5251G	-64.12	-55.30	-8.82	2
6485MHz	Pass	6.482651G	-14.83	6.405G	-61.94	-54.83	-7.11	1
6485MHz	Pass	6.480701G	-15.53	6.56515G	-65.34	-55.53	-9.81	2
6525MHz	Pass	6.527899G	-14.53	6.4451G	-63.00	-54.53	-8.47	1
6525MHz	Pass	6.528399G	-15.43	6.6051G	-64.21	-55.43	-8.78	2
6565MHz	Pass	6.568649G	-15.08	6.4851G	-62.45	-55.08	-7.37	1
6565MHz	Pass	6.5631G	-15.35	6.48505G	-64.98	-55.35	-9.63	2
6685MHz	Pass	6.688799G	-15.65	6.605G	-63.47	-55.65	-7.82	1
6685MHz	Pass	6.680351G	-14.87	6.60505G	-65.68	-54.87	-10.81	2
6845MHz	Pass	6.841401G	-15.16	6.76505G	-65.07	-55.16	-9.91	1
6845MHz	Pass	6.847749G	-14.58	6.76505G	-65.90	-54.58	-11.32	2
6885MHz	Pass	6.882551G	-14.36	6.80505G	-65.35	-54.36	-10.99	1
6885MHz	Pass	6.889999G	-15.15	6.80505G	-65.32	-55.15	-10.17	2
6925MHz	Pass	6.927199G	-14.98	6.84505G	-64.34	-54.98	-9.36	1
6925MHz	Pass	6.9245G	-14.72	6.8451G	-65.94	-54.72	-11.22	2
7005MHz	Pass	7.0057G	-15.41	6.9251G	-66.61	-55.41	-11.20	1
7005MHz	Pass	7.0063G	-15.49	6.92505G	-67.74	-55.49	-12.25	2
7085MHz	Pass	7.0844G	-14.20	7.06045G	-41.52	-35.32	-6.20	1

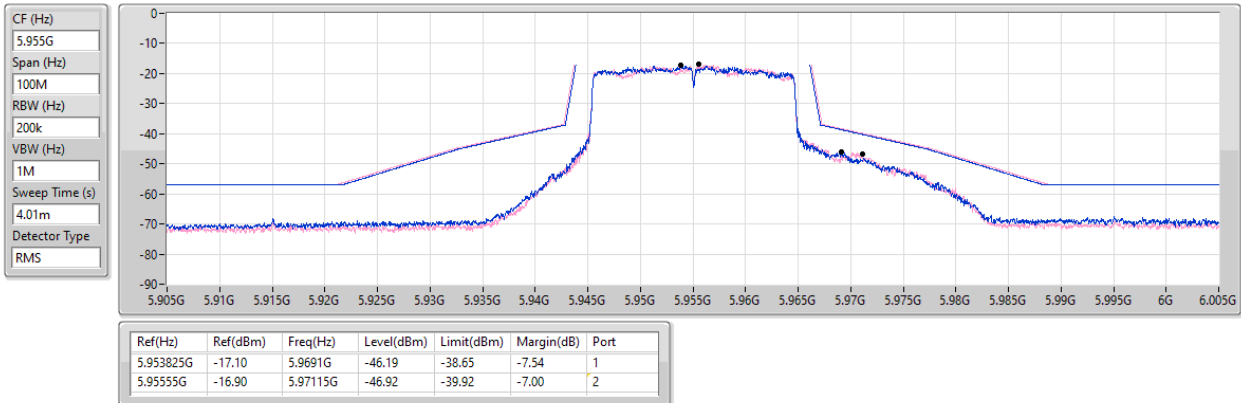
Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
7085MHz	Pass	7.087899G	-13.59	7.0578G	-42.08	-34.60	-7.48	2
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
6065MHz	Pass	6.0667G	-10.66	6.1854G	-61.45	-50.66	-10.79	1
6065MHz	Pass	6.0714G	-10.65	6.1847G	-62.33	-50.62	-11.71	2
6145MHz	Pass	6.1512G	-10.81	6.2921G	-61.92	-50.81	-11.11	1
6145MHz	Pass	6.1425G	-10.27	6.265G	-63.21	-50.27	-12.94	2
6385MHz	Pass	6.3817G	-10.62	6.5276G	-58.49	-50.62	-7.87	1
6385MHz	Pass	6.3793G	-9.95	6.5052G	-61.90	-49.95	-11.95	2
6465MHz	Pass	6.4693G	-10.06	6.5851G	-60.03	-49.96	-10.07	1
6465MHz	Pass	6.4619G	-10.76	6.5851G	-62.69	-50.76	-11.93	2
6545MHz	Pass	6.5395G	-9.67	6.4092G	-61.10	-49.67	-11.43	1
6545MHz	Pass	6.5415G	-10.02	6.4089G	-63.10	-50.02	-13.08	2
6625MHz	Pass	6.63G	-10.76	6.472G	-60.94	-50.76	-10.18	1
6625MHz	Pass	6.6216G	-10.48	6.5051G	-62.58	-50.41	-12.17	2
6705MHz	Pass	6.7098G	-9.87	6.5849G	-60.16	-49.87	-10.29	1
6705MHz	Pass	6.7099G	-10.71	6.5851G	-61.96	-50.55	-11.41	2
6785MHz	Pass	6.7859G	-10.68	6.6504G	-60.83	-50.68	-10.15	1
6785MHz	Pass	6.7876G	-10.53	6.6649G	-62.45	-50.52	-11.93	2
6865MHz	Pass	6.8663G	-10.72	6.7056G	-61.56	-50.72	-10.84	1
6865MHz	Pass	6.8627G	-10.17	6.7199G	-62.56	-50.17	-12.39	2
6945MHz	Pass	6.9476G	-9.69	6.825G	-61.72	-49.56	-12.16	1
6945MHz	Pass	6.95G	-10.16	6.8249G	-62.53	-50.15	-12.38	2
7025MHz	Pass	7.0229G	-10.94	6.9677G	-40.45	-34.27	-6.18	1
7025MHz	Pass	7.0201G	-11.10	6.968G	-39.83	-34.34	-5.49	2
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
6025MHz	Pass	6.0182G	-8.25	6.116G	-36.83	-28.92	-7.91	1
6025MHz	Pass	6.0212G	-7.45	6.1162G	-37.05	-27.87	-9.18	2
6185MHz	Pass	6.1782G	-7.18	6.2666G	-38.08	-27.19	-10.89	1
6185MHz	Pass	6.19G	-7.45	5.9394G	-60.28	-47.45	-12.83	2
6345MHz	Pass	6.3486G	-8.03	6.5866G	-57.37	-47.94	-9.43	1
6345MHz	Pass	6.3384G	-8.10	6.5856G	-58.53	-47.86	-10.67	2
6505MHz	Pass	6.5206G	-7.65	6.5864G	-34.26	-25.25	-9.01	1
6505MHz	Pass	6.5156G	-7.20	6.2602G	-60.14	-47.20	-12.94	2
6665MHz	Pass	6.6568G	-7.99	6.4142G	-56.52	-47.99	-8.53	1
6665MHz	Pass	6.668G	-7.75	6.3988G	-58.91	-47.75	-11.16	2
6825MHz	Pass	6.8178G	-7.62	6.5284G	-56.09	-47.62	-8.47	1
6825MHz	Pass	6.8386G	-8.03	6.574G	-58.15	-48.03	-10.12	2
6985MHz	Pass	7.0004G	-7.48	7.0676G	-36.21	-27.50	-8.71	1
6985MHz	Pass	7.00799G	-7.76	6.9006G	-37.24	-27.87	-9.37	2

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

MASK

5955MHz_TX

10/06/2023

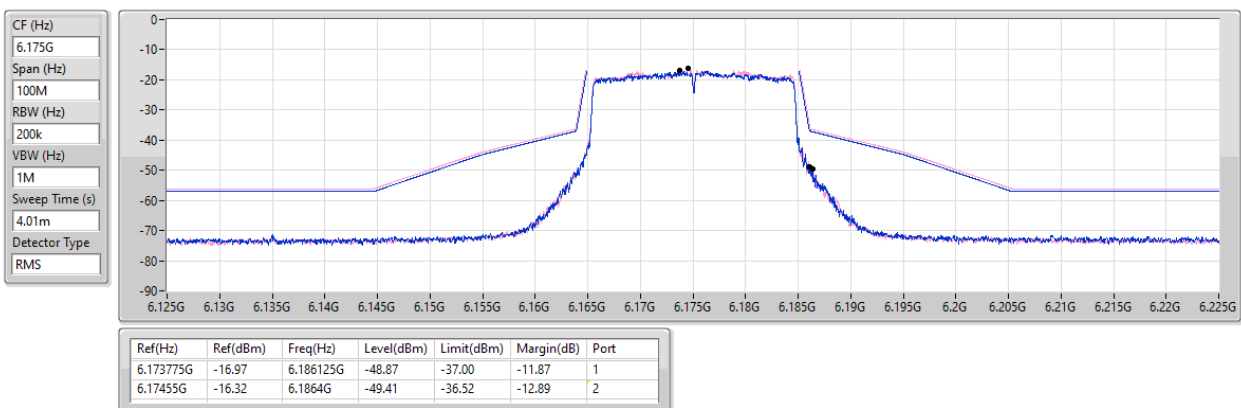


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6175MHz_TX

10/06/2023

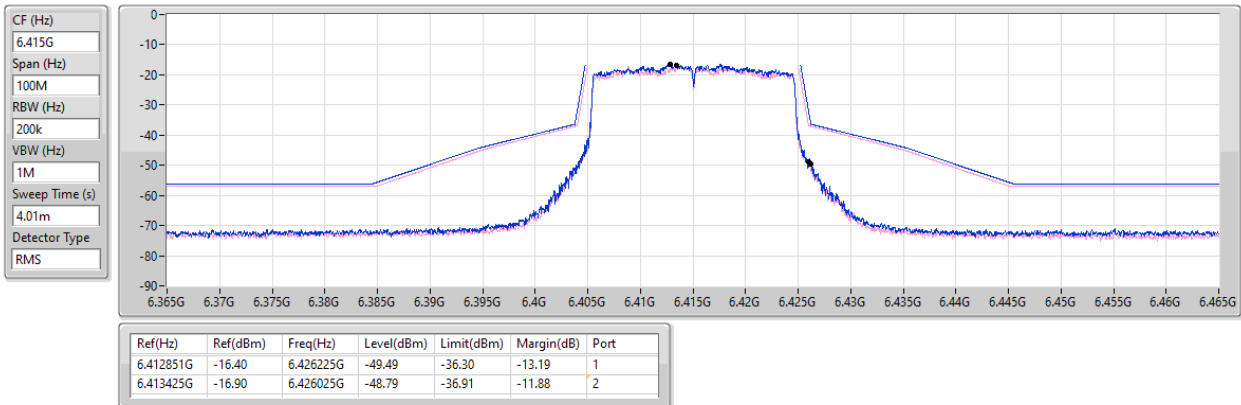


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6415MHz_TX

10/06/2023

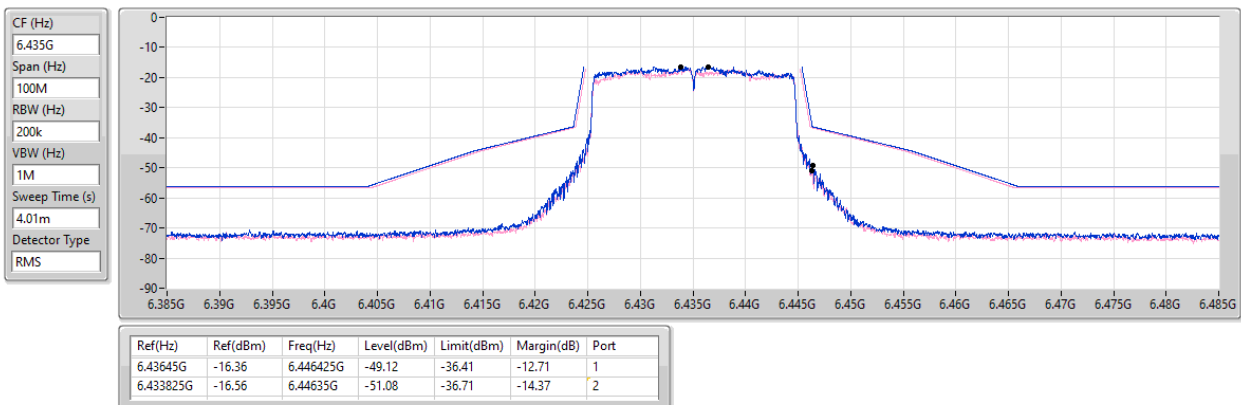


6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6435MHz_TX

10/06/2023

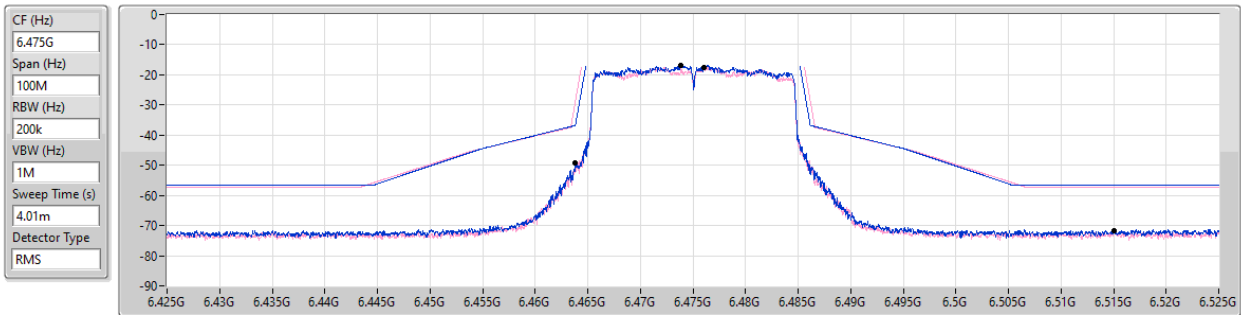


6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6475MHz_TX

10/06/2023



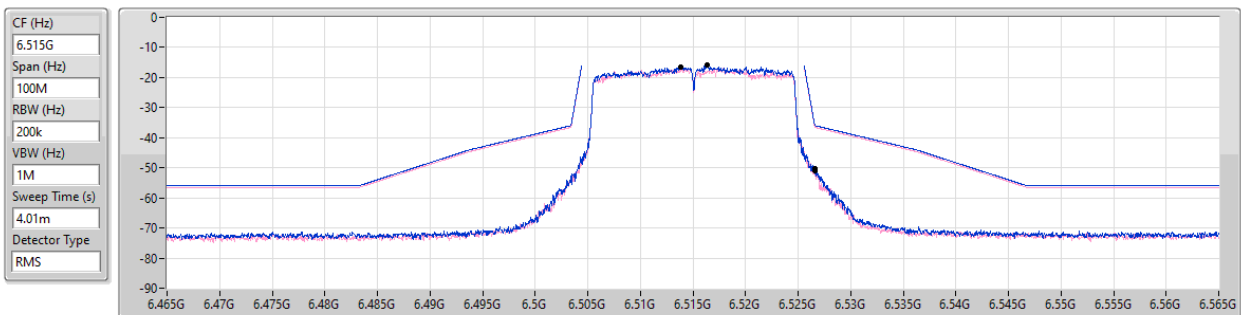
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.473825G	-16.77	6.463825G	-49.34	-36.77	-12.57	1
6.476025G	-17.48	6.515025G	-71.84	-57.48	-14.36	2

6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6515MHz_TX

10/06/2023



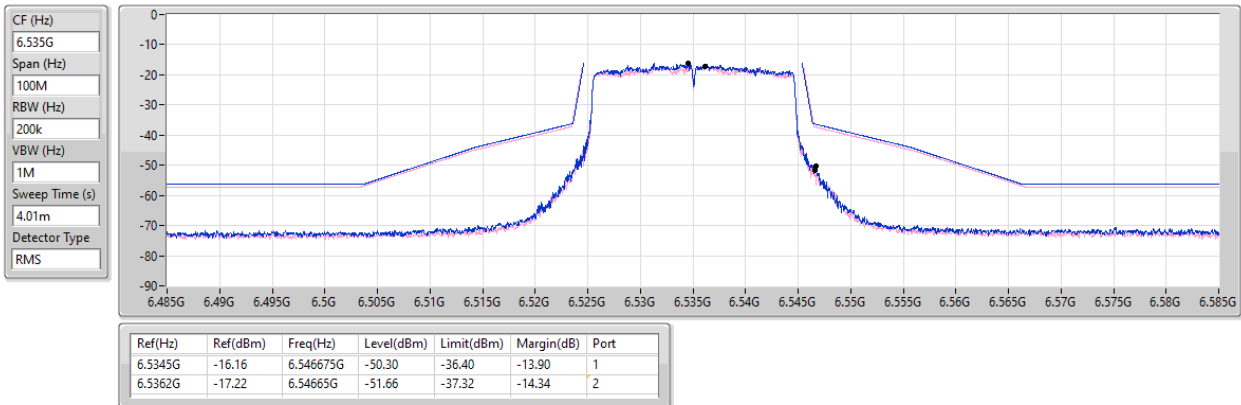
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.516325G	-15.97	6.5266G	-50.34	-35.98	-14.36	1
6.51385G	-16.55	6.52665G	-50.96	-36.60	-14.36	2

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

MASK

6535MHz_TX

10/06/2023

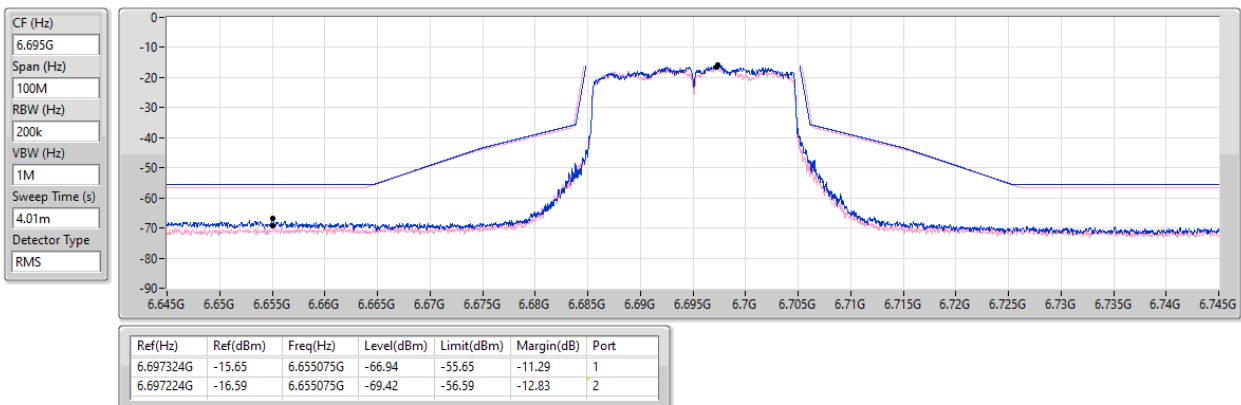


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6695MHz_TX

10/06/2023

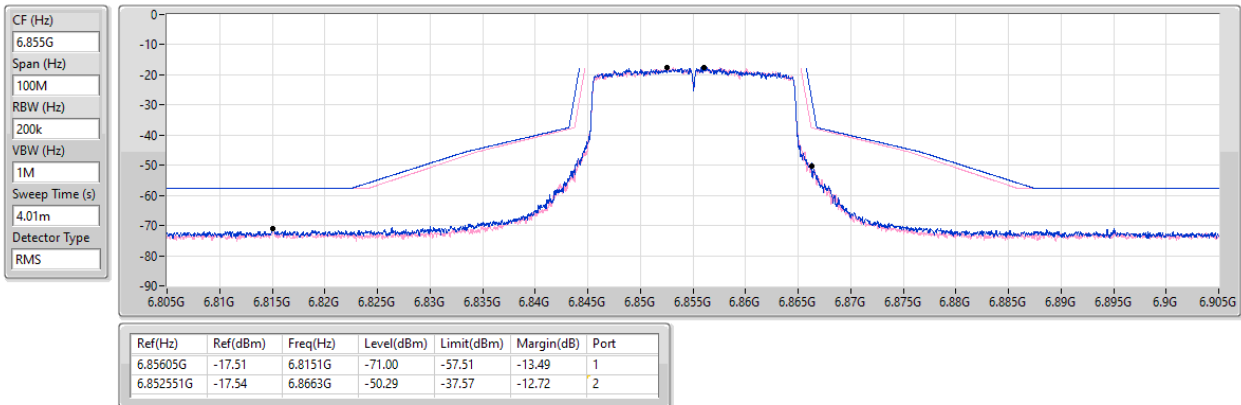


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6855MHz_TX

10/06/2023

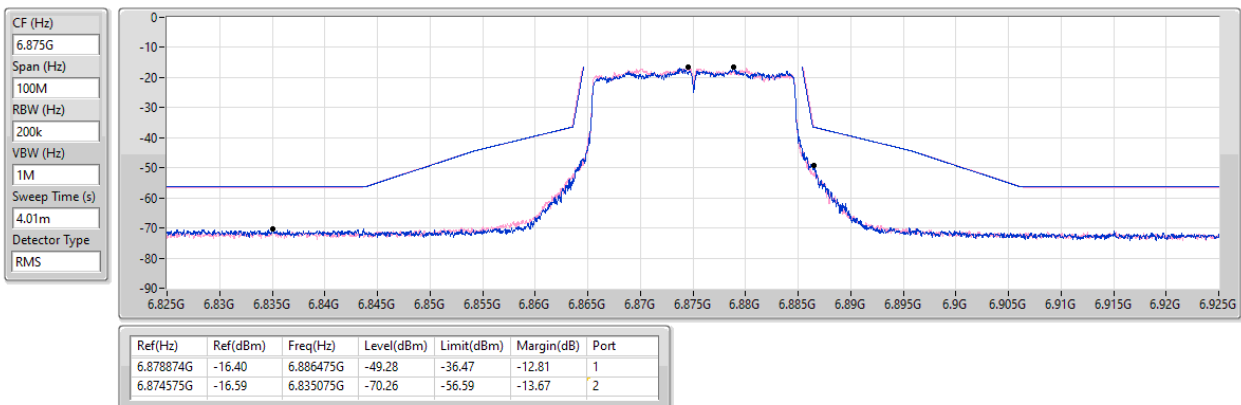


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6875MHz_TX

10/06/2023



6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6895MHz_TX

10/06/2023

CF (Hz)
6.895G

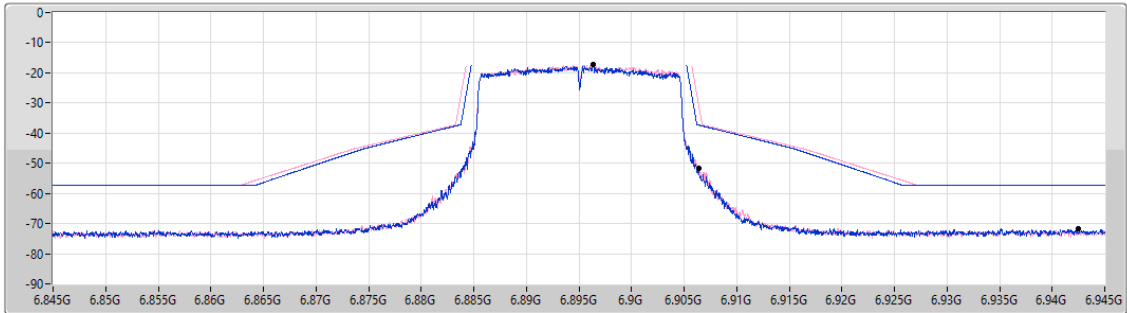
Span (Hz)
100M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
4.01m

Detector Type
RMS



Port 1 

Port 2 

Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.896325G	-17.18	6.9064G	-51.68	-37.33	-14.35	1
6.8964G	-17.27	6.942525G	-71.81	-57.27	-14.54	2

6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6995MHz_TX

10/06/2023

CF (Hz)
6.995G

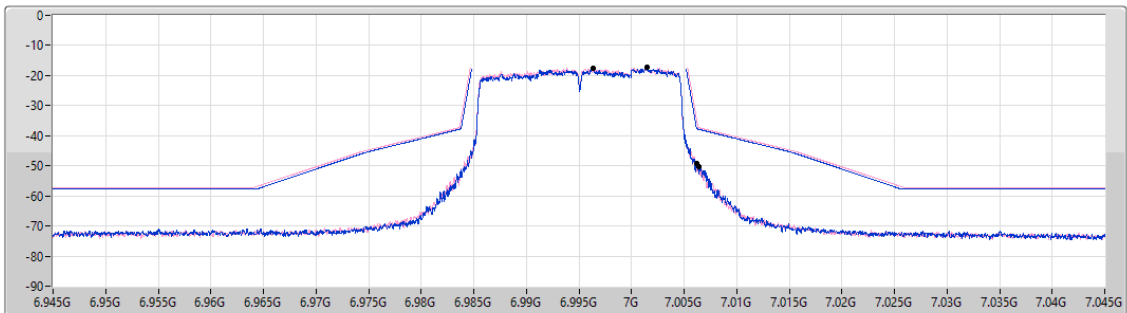
Span (Hz)
100M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
4.01m

Detector Type
RMS



Port 1 

Port 2 

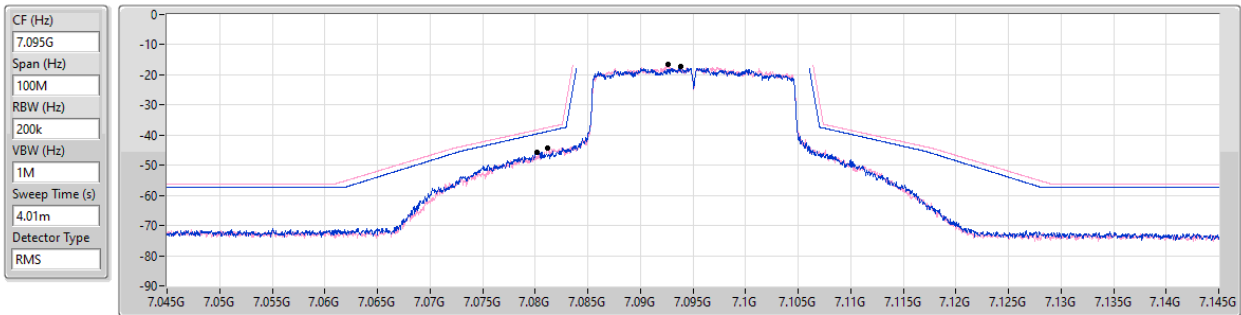
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.99635G	-17.70	7.0062G	-49.25	-37.60	-11.65	1
7.001448G	-17.32	7.00645G	-50.31	-37.41	-12.90	2

6.875-7.125GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

MASK

7095MHz_TX

10/06/2023



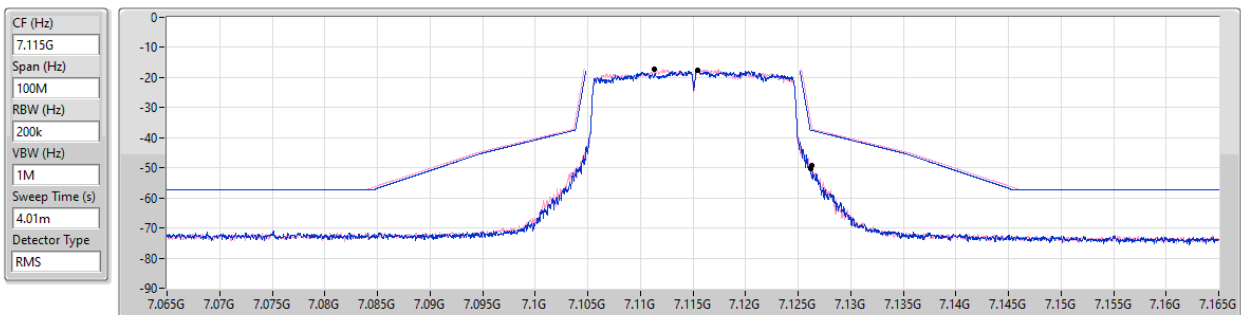
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
7.0938G	-17.37	7.080175G	-45.57	-39.57	-6.00	1
7.092601G	-16.41	7.081175G	-44.27	-37.50	-6.77	2

6.875-7.125GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

MASK

7115MHz_TX

10/06/2023



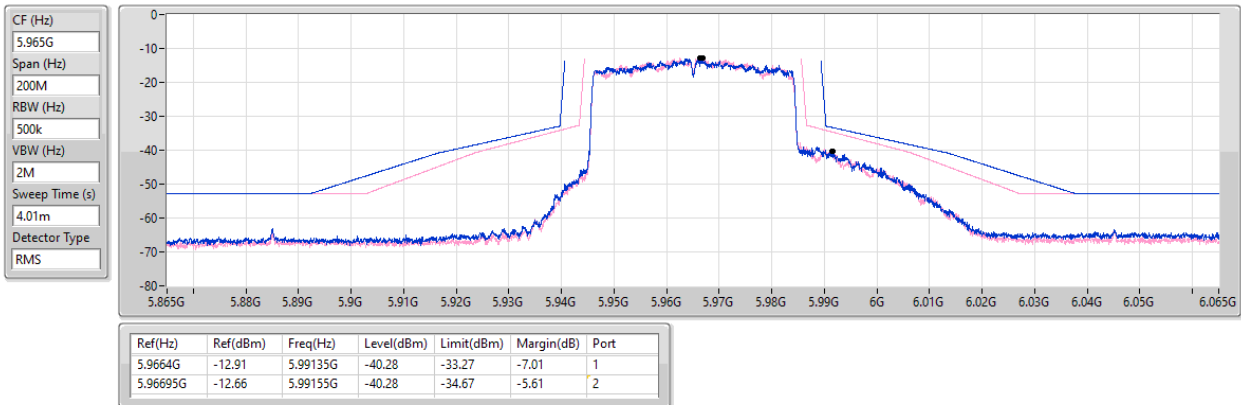
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
7.11545G	-17.45	7.126225G	-50.39	-37.49	-12.90	1
7.111326G	-17.18	7.12635G	-49.17	-37.19	-11.98	2

5.925-6.425GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

MASK

5965MHz_TX

10/06/2023

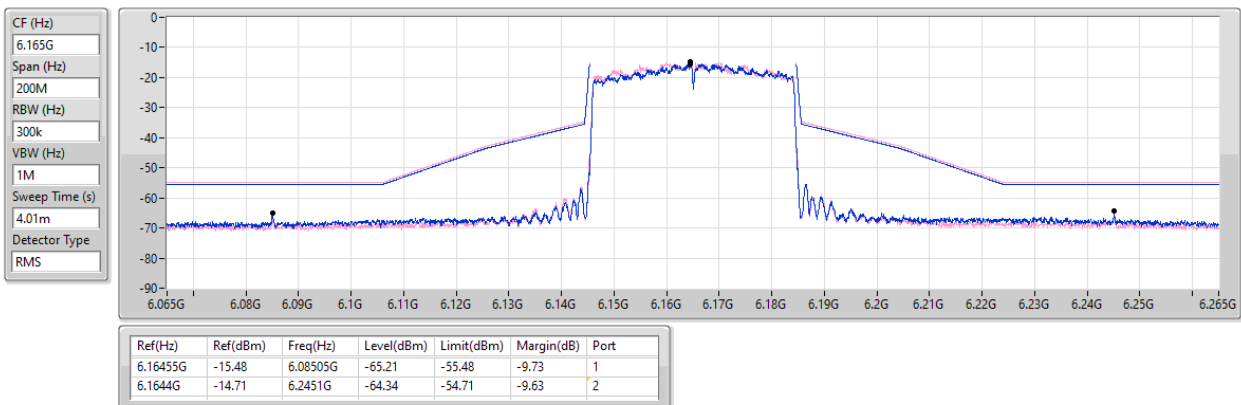


5.925-6.425GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

MASK

6165MHz_TX

10/06/2023

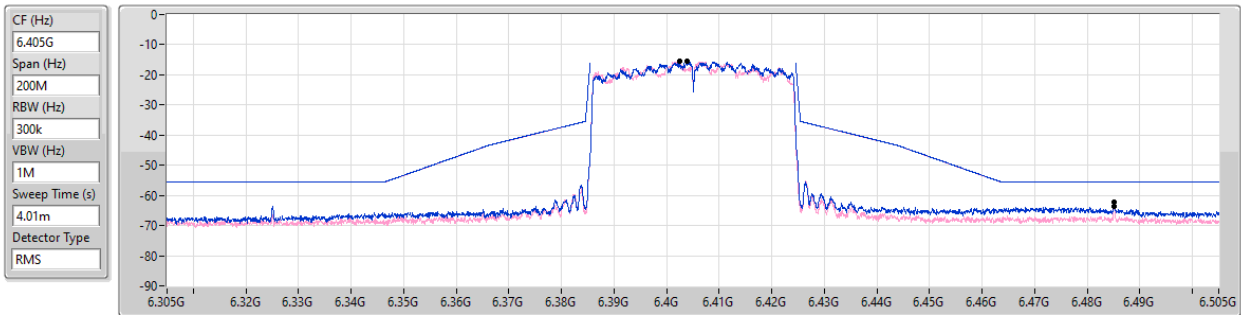


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6405MHz_TX

10/06/2023



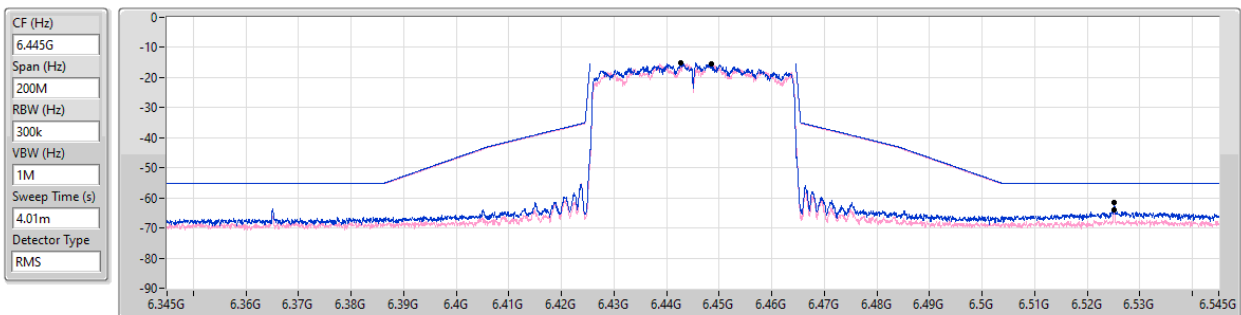
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.40395G	-15.43	6.4851G	-62.12	-55.43	-6.69	1
6.402501G	-15.48	6.4851G	-63.57	-55.48	-8.09	2

6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6445MHz_TX

10/06/2023



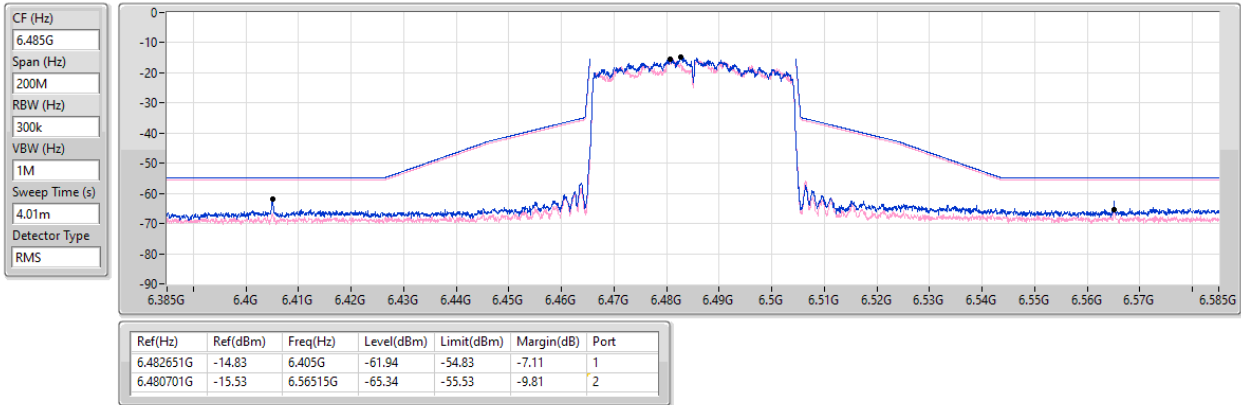
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.442651G	-15.02	6.52515G	-61.66	-55.02	-6.64	1
6.448599G	-15.30	6.5251G	-64.12	-55.30	-8.82	2

6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6485MHz_TX

10/06/2023

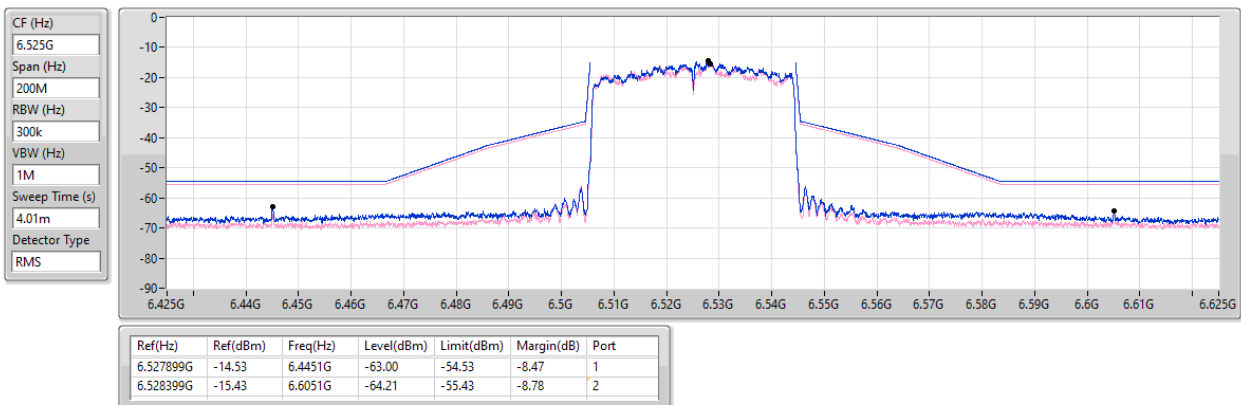


6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6525MHz_TX

10/06/2023

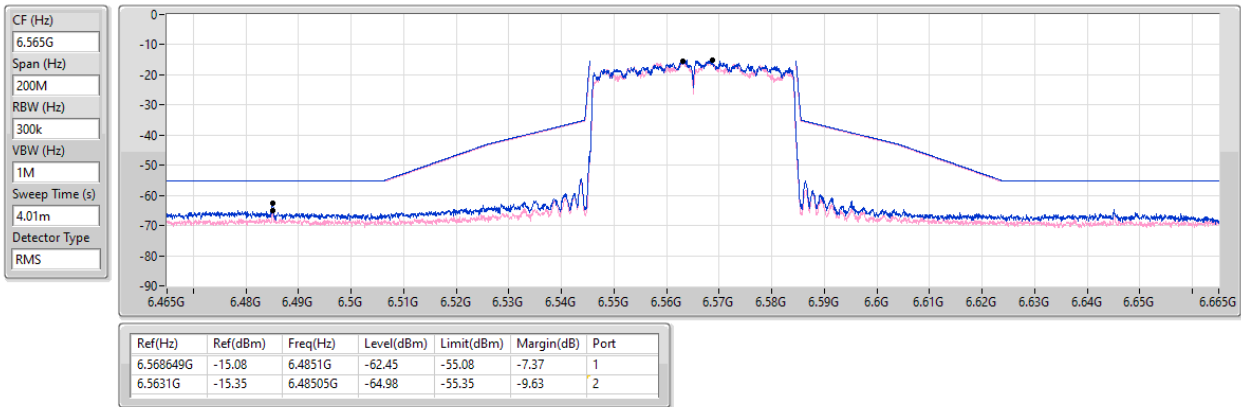


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6565MHz_TX

10/06/2023

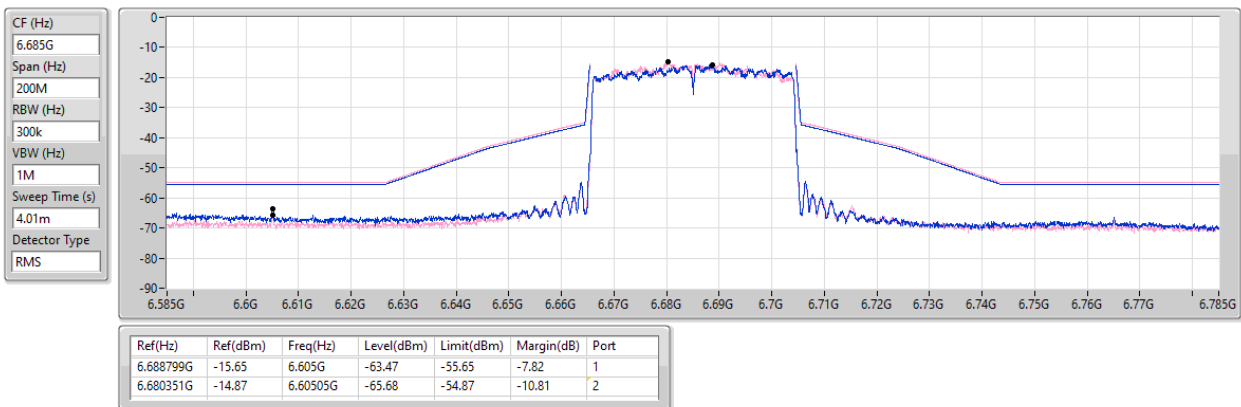


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6685MHz_TX

10/06/2023

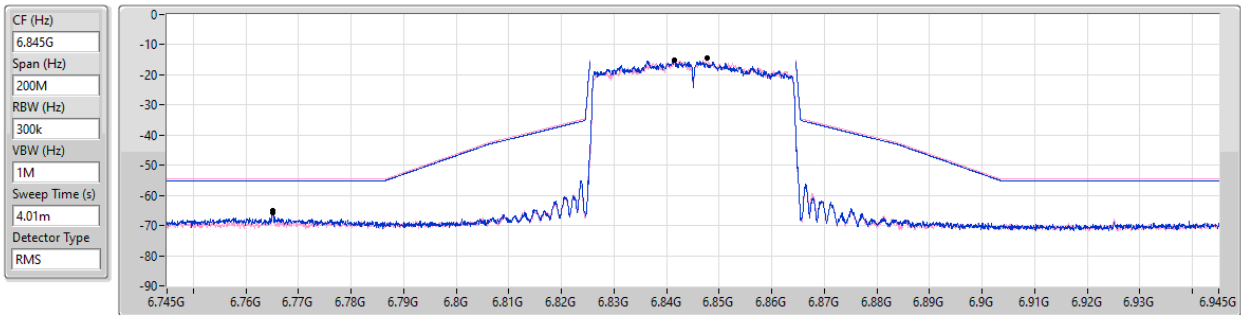


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6845MHz_TX

10/06/2023



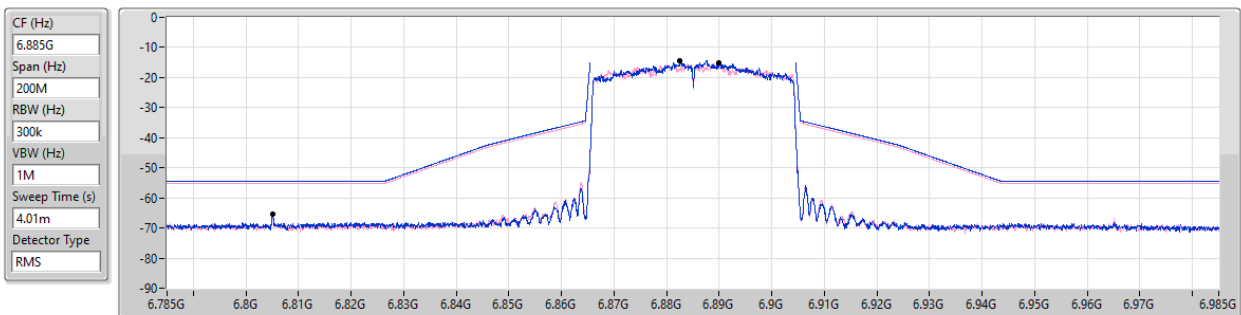
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.841401G	-15.16	6.76505G	-65.07	-55.16	-9.91	1
6.847749G	-14.58	6.76505G	-65.90	-54.38	-11.32	2

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

MASK

6885MHz_TX

10/06/2023



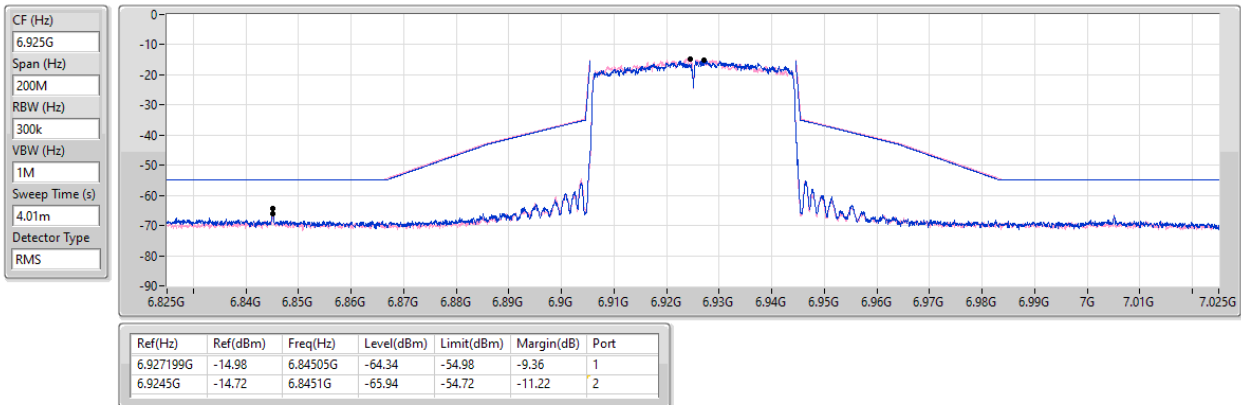
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.882551G	-14.36	6.80505G	-65.35	-54.36	-10.99	1
6.889999G	-15.15	6.80505G	-65.32	-55.15	-10.17	2

6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6925MHz_TX

10/06/2023

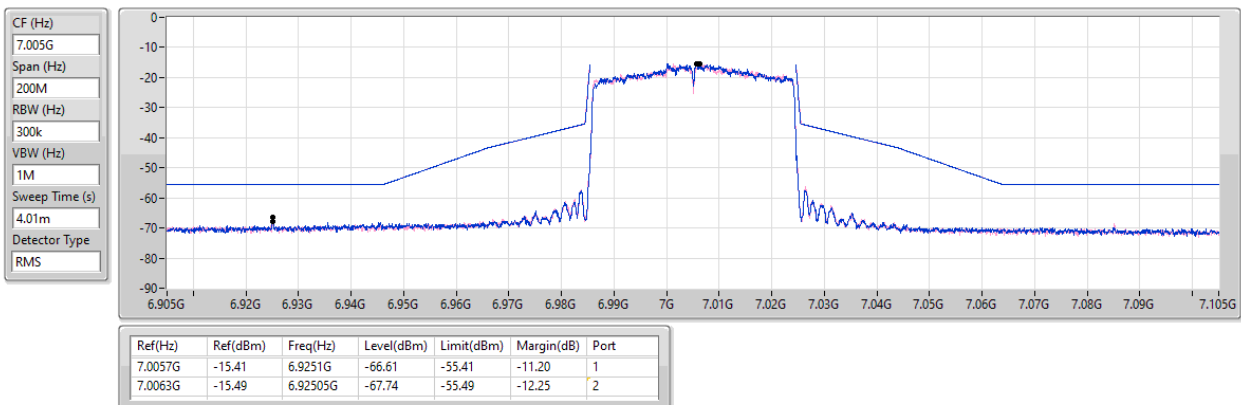


6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

7005MHz_TX

10/06/2023

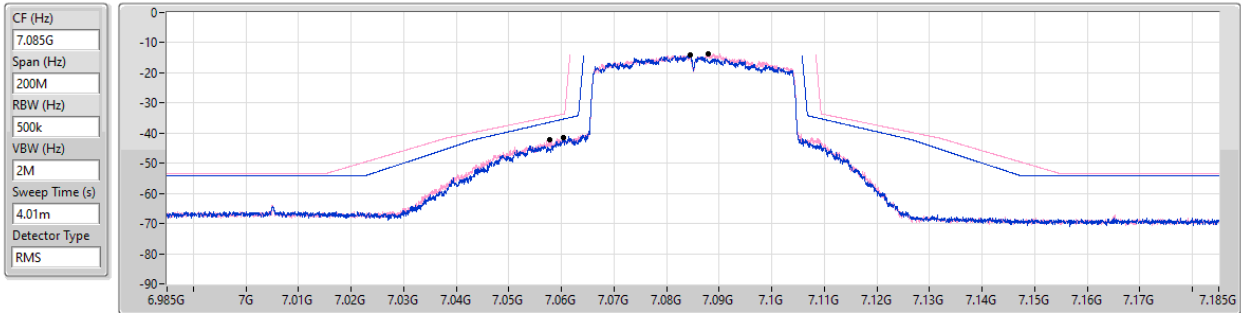


6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

7085MHz_TX

10/06/2023



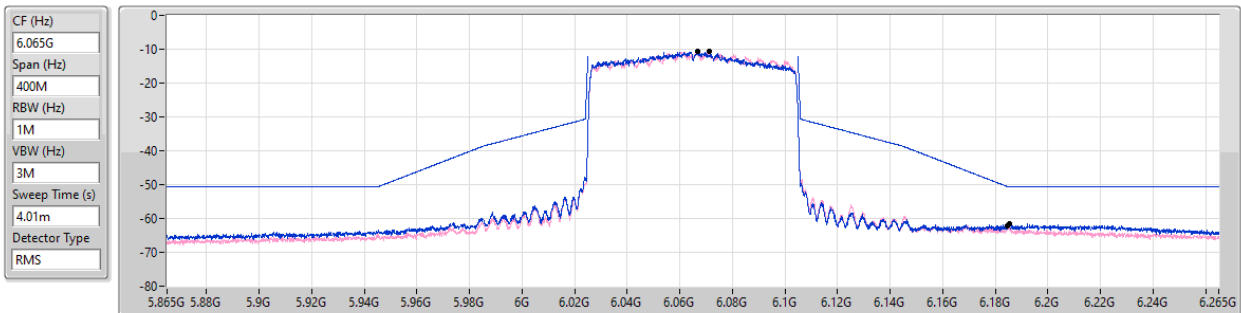
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
7.0844G	-14.20	7.06045G	-41.52	-35.32	-6.20	1
7.087899G	-13.59	7.0578G	-42.08	-34.60	-7.48	2

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

MASK

6065MHz_TX

12/06/2023



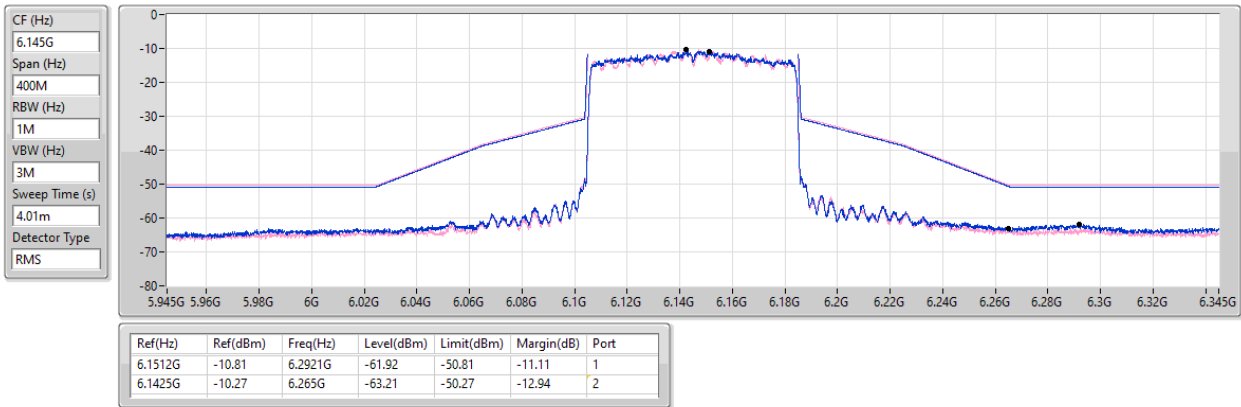
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.0667G	-10.66	6.1854G	-61.45	-50.66	-10.79	1
6.0714G	-10.65	6.1847G	-62.33	-50.62	-11.71	2

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

MASK

6145MHz_TX

10/06/2023

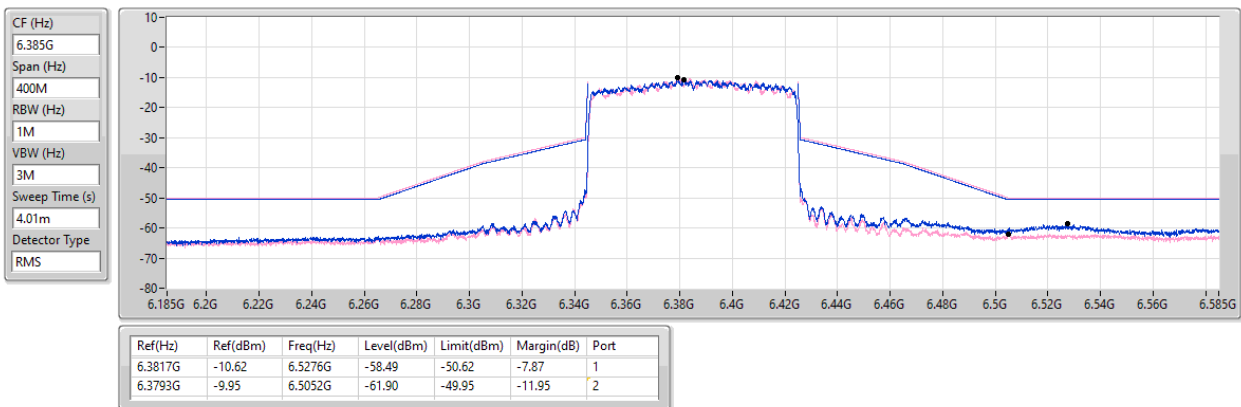


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6385MHz_TX

10/06/2023

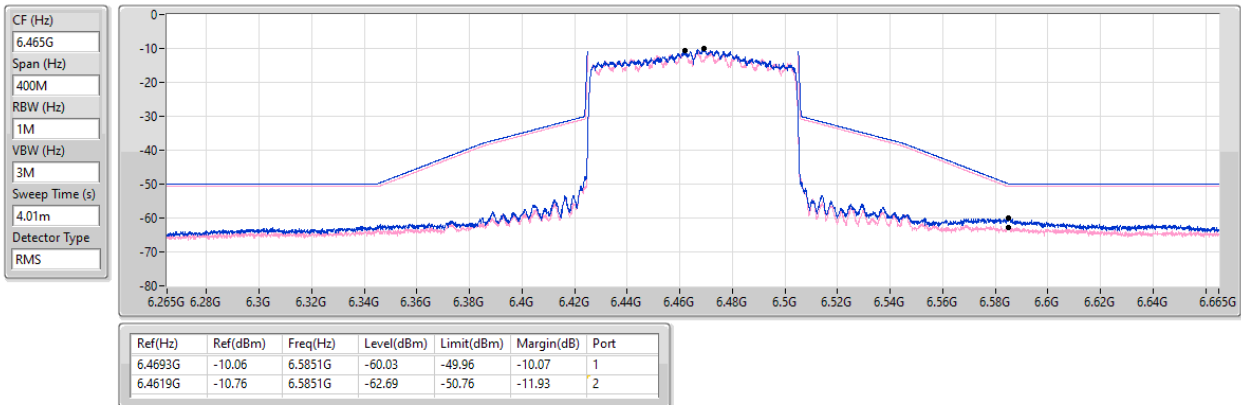


6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6465MHz_TX

10/06/2023

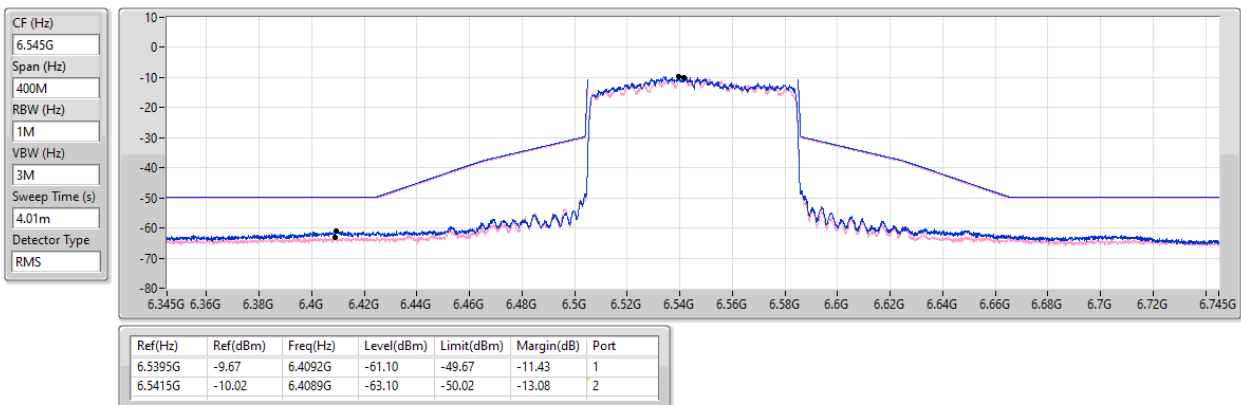


6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6545MHz_TX

10/06/2023

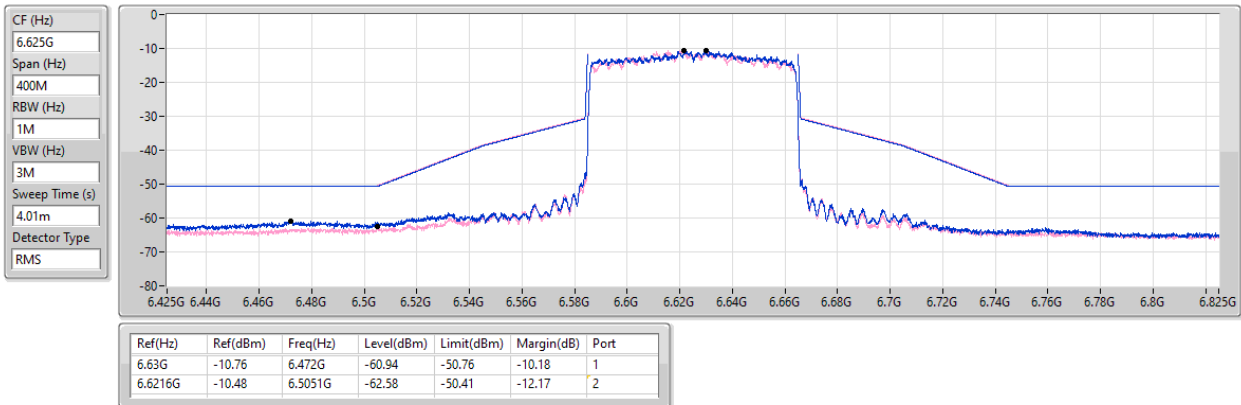


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6625MHz_TX

10/06/2023

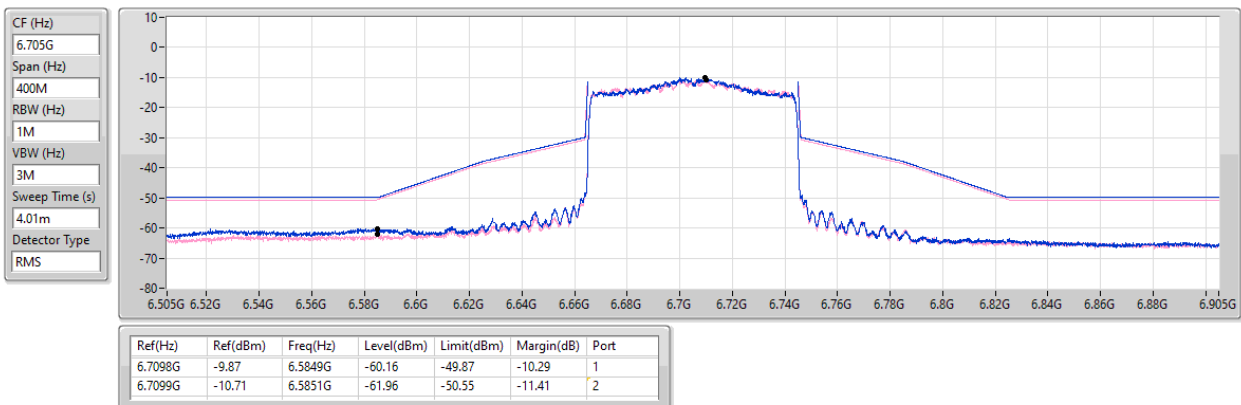


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6705MHz_TX

10/06/2023

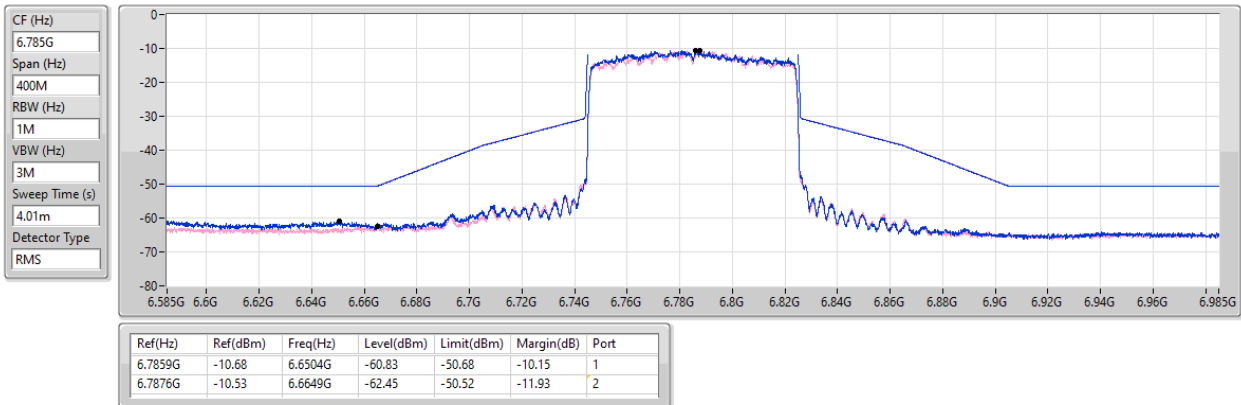


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6785MHz_TX

10/06/2023

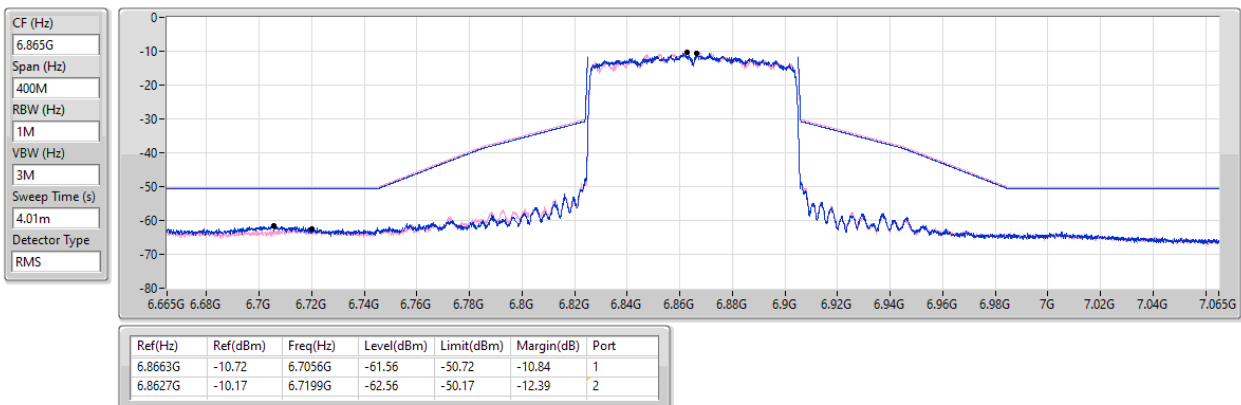


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6865MHz_TX

10/06/2023

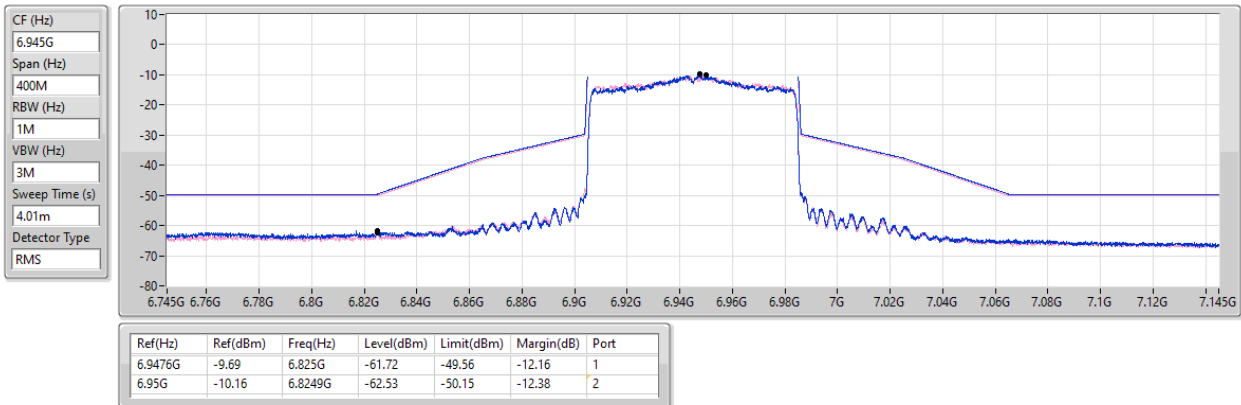


6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6945MHz_TX

10/06/2023

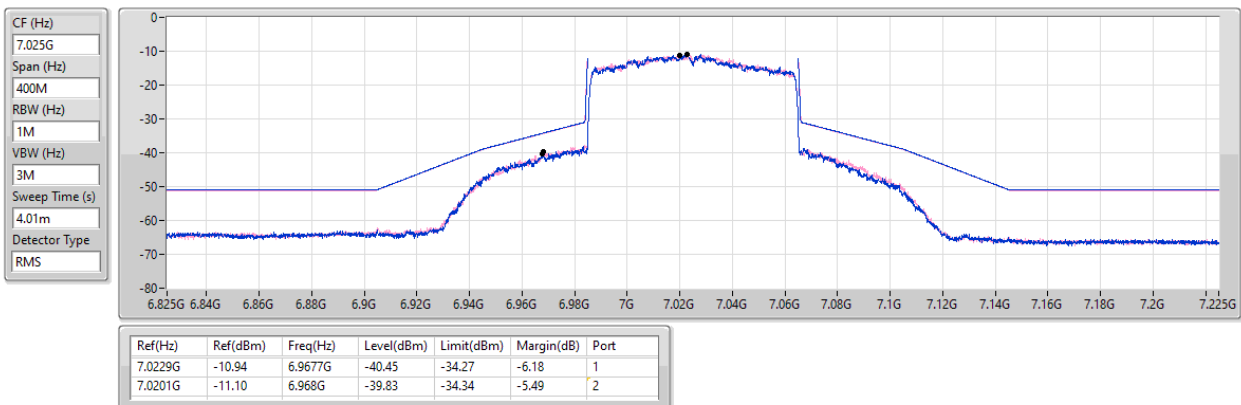


6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

7025MHz_TX

10/06/2023

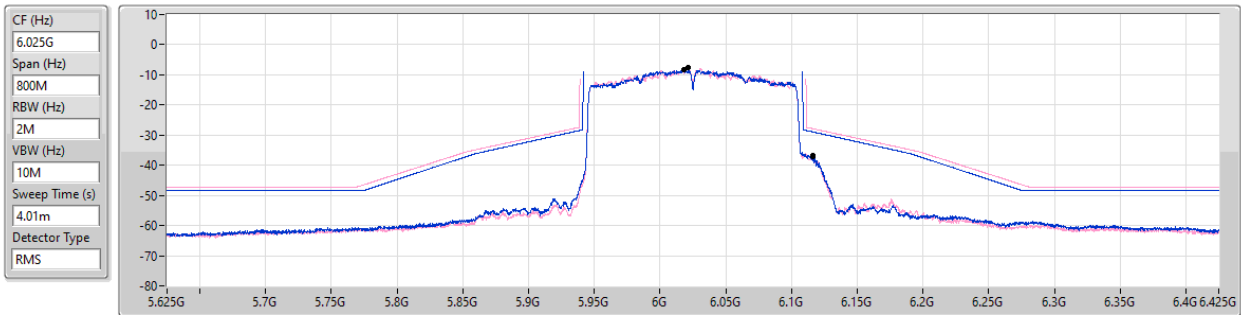


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

MASK

6025MHz_TX

10/06/2023



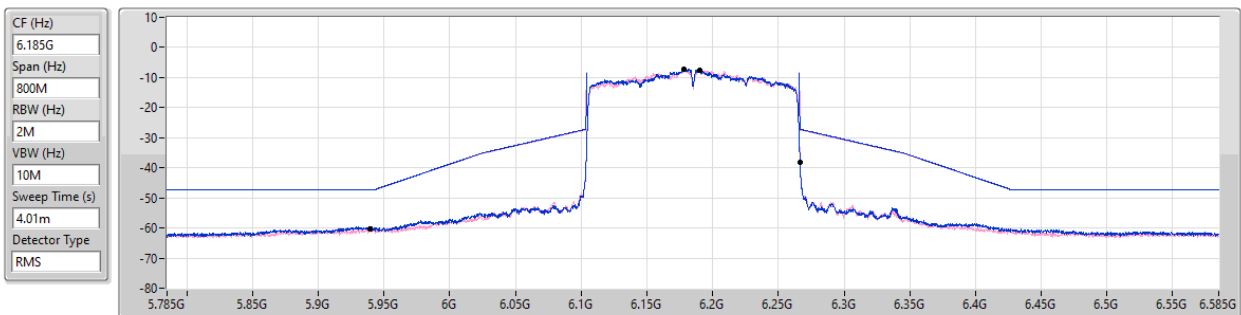
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.0182G	-8.25	6.116G	-36.83	-28.92	-7.91	1
6.0212G	-7.45	6.1162G	-37.05	-27.87	-9.18	2

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

MASK

6185MHz_TX

10/06/2023



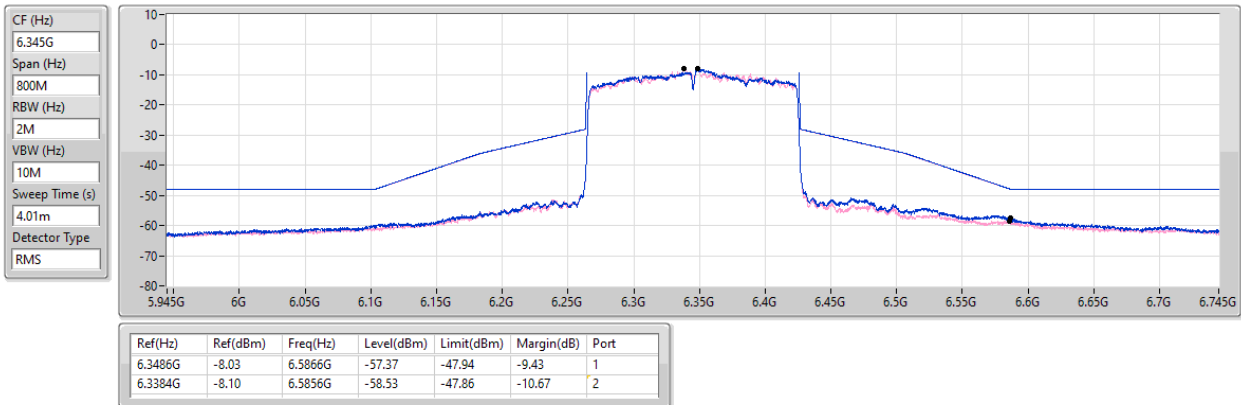
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.1782G	-7.18	6.2666G	-38.08	-27.19	-10.89	1
6.19G	-7.45	5.9394G	-60.28	-47.45	-12.83	2

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

MASK

6345MHz_TX

10/06/2023

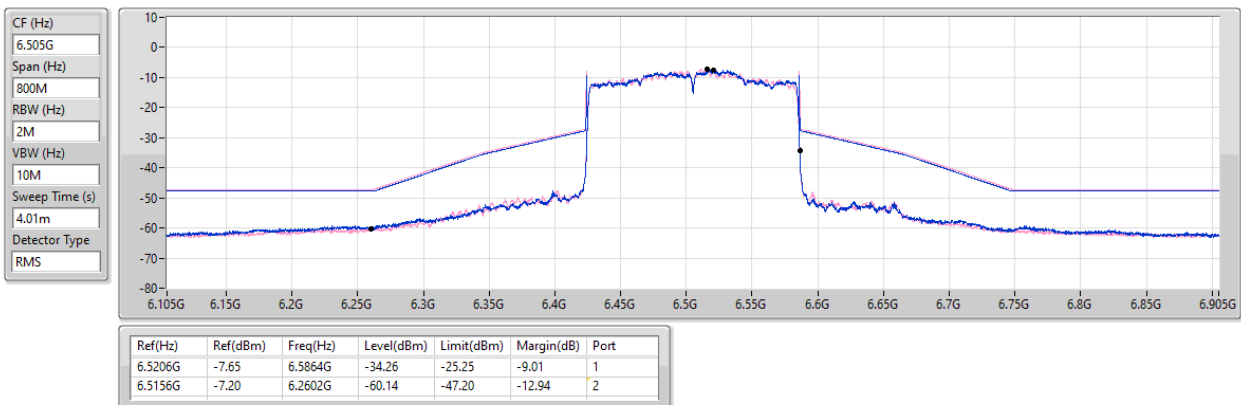


6.425-6.525GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

MASK

6505MHz_TX

10/06/2023

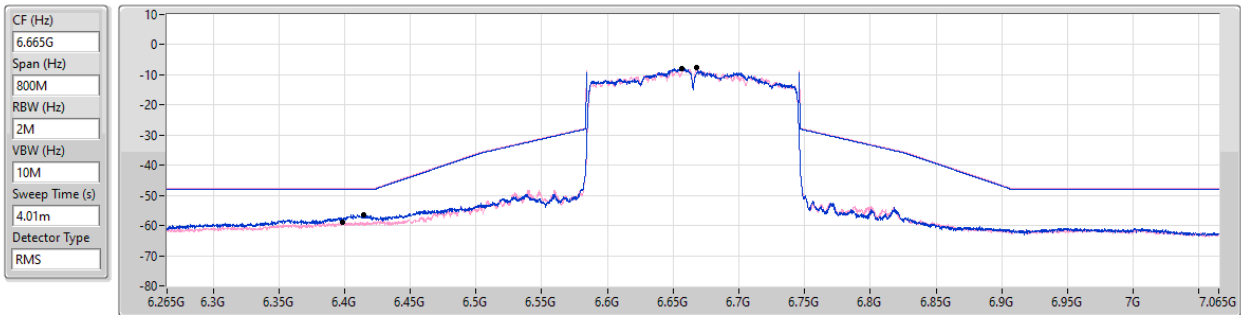


6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

MASK

6665MHz_TX

10/06/2023



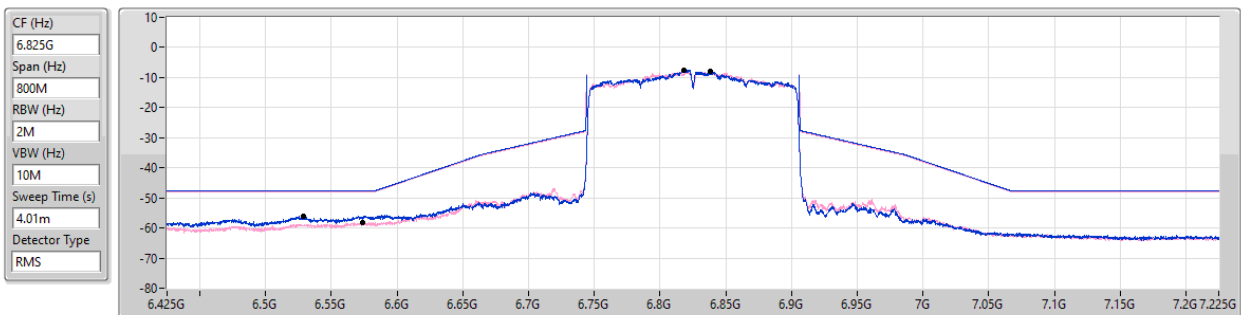
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.6568G	-7.99	6.4142G	-56.52	-47.99	-8.53	1
6.668G	-7.75	6.3988G	-58.91	-47.75	-11.16	2

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

MASK

6825MHz_TX

10/06/2023



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.8178G	-7.62	6.5284G	-56.09	-47.62	-8.47	1
6.8386G	-8.03	6.574G	-58.15	-48.03	-10.12	2

6.875-7.125GHz_802.11ax_HEW160_Nss1,(MCS0)_2TX

MASK

6985MHz_TX

10/06/2023

CF (Hz)
6.985G

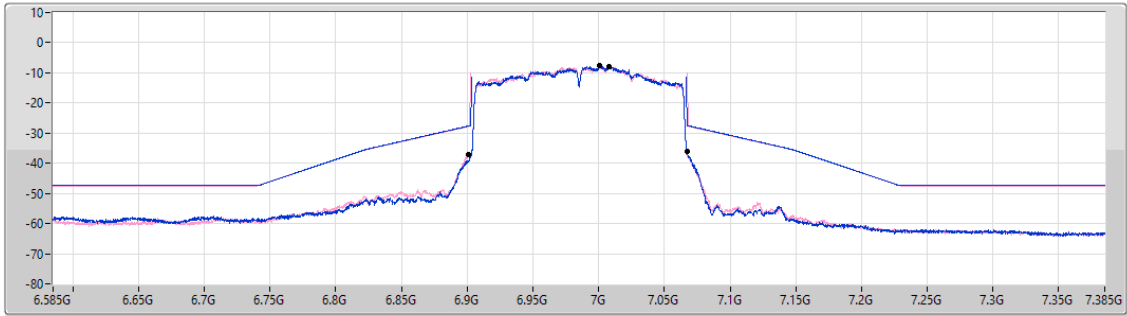
Span (Hz)
800M

RBW (Hz)
2M

VBW (Hz)
10M

Sweep Time (s)
4.01m

Detector Type
RMS



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
7.0004G	-7.48	7.0676G	-36.21	-27.50	-8.71	1
7.00799G	-7.76	6.9006G	-37.24	-27.87	-9.37	2



Summary

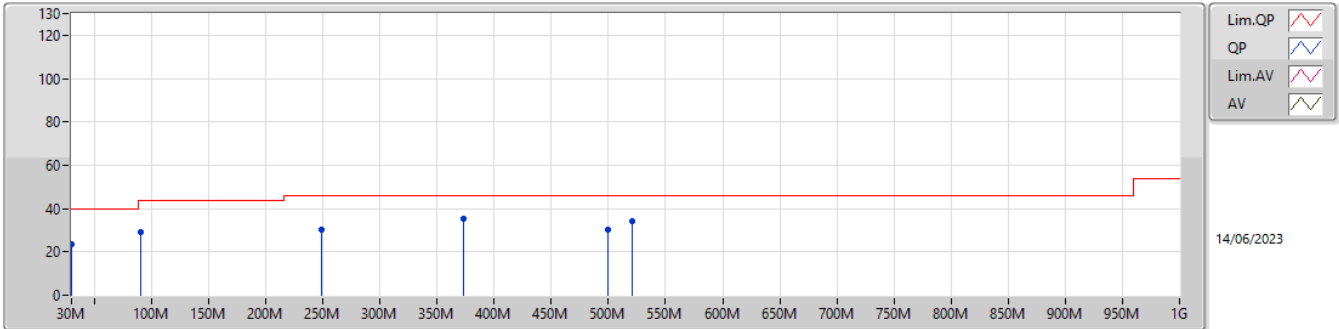
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
6.875-7.125GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_2TX	Pass	PK	499.48M	42.53	46.00	-3.47	3	Horizontal	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
6985MHz	Pass	PK	90.14M	29.20	43.50	-14.30	3	Vertical	360	1.00
6985MHz	Pass	PK	249.22M	30.25	46.00	-15.75	3	Vertical	360	1.00
6985MHz	Pass	PK	373.38M	35.41	46.00	-10.59	3	Vertical	360	1.00
6985MHz	Pass	PK	499.99M	30.28	46.00	-15.72	3	Vertical	360	1.00
6985MHz	Pass	PK	520.82M	34.33	46.00	-11.67	3	Vertical	360	1.00
6985MHz	Pass	QP	30M	23.80	40.00	-16.20	3	Vertical	251	1.00
6985MHz	Pass	PK	30M	33.28	40.00	-6.72	3	Horizontal	0	1.00
6985MHz	Pass	PK	90.14M	28.38	43.50	-15.12	3	Horizontal	0	1.00
6985MHz	Pass	PK	225.94M	39.37	46.00	-6.63	3	Horizontal	0	1.00
6985MHz	Pass	PK	375.32M	41.51	46.00	-4.49	3	Horizontal	0	1.00
6985MHz	Pass	PK	499.48M	42.53	46.00	-3.47	3	Horizontal	0	1.00
6985MHz	Pass	PK	520.82M	36.72	46.00	-9.28	3	Horizontal	0	1.00

6.875-7.125GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

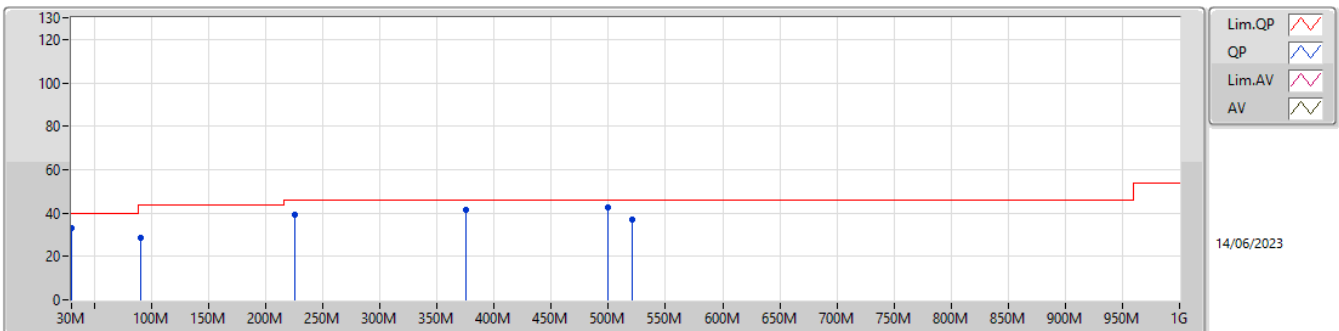
6985MHz_Test fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	90.14M	29.20	43.50	-14.30	-11.73	3	Vertical	360	1.00	40.93	14.11	2.00	27.84
PK	249.22M	30.25	46.00	-15.75	-6.65	3	Vertical	360	1.00	36.90	17.47	3.04	27.16
PK	373.38M	35.41	46.00	-10.59	-3.87	3	Vertical	360	1.00	39.28	20.02	3.77	27.66
PK	499.99M	30.28	46.00	-15.72	-1.28	3	Vertical	360	1.00	31.56	22.65	4.41	28.34
PK	520.82M	34.33	46.00	-11.67	-1.31	3	Vertical	360	1.00	35.64	22.69	4.46	28.46
QP	30M	23.80	40.00	-16.20	-2.61	3	Vertical	251	1.00	26.41	23.14	1.21	26.96

6.875-7.125GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

6985MHz_Test fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	33.28	40.00	-6.72	-2.61	3	Horizontal	0	1.00	35.89	23.14	1.21	26.96
PK	90.14M	28.38	43.50	-15.12	-11.73	3	Horizontal	0	1.00	40.11	14.11	2.00	27.84
PK	225.94M	39.37	46.00	-6.63	-9.51	3	Horizontal	0	1.00	48.88	14.85	2.92	27.28
PK	375.32M	41.51	46.00	-4.49	-3.86	3	Horizontal	0	1.00	45.37	20.03	3.78	27.67
PK	499.48M	42.53	46.00	-3.47	-1.28	3	Horizontal	0	1.00	43.81	22.65	4.41	28.34
PK	520.82M	36.72	46.00	-9.28	-1.31	3	Horizontal	0	1.00	38.03	22.69	4.46	28.46