



RADIO TEST REPORT

FCC ID : TX2-RTL8852CE
Equipment : 11ax RTL8852CE Combo module
Brand Name : REALTEK
Model Name : RTL8852CE
Applicant : Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu 300, Taiwan
Manufacturer : Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu 300, Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Dec. 05, 2024, and testing was started from Dec. 09, 2024 and completed on Feb. 15, 2025. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Rex Liao

Sporton International Inc. Hsinchu Laboratory

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



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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_5 Ver2.0



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)	PASS	-
3.3	15.407(a)	Transmit Power Control	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	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen**Report Producer: Cathy Chiu**



1 General Description

1.1 Information

1.1.1 RF General Information

For Low Power:

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-7125	ax (HEW20)	5955-7115	1-229 [59]
5925-7125	ax (HEW40)	5965-7085	3-227 [29]
5925-7125	ax (HEW80)	5985-7025	7-215 [14]
5925-7125	ax (HEW160)	6025-6985	15-207 [7]

Band	Mode	BWch (MHz)	Nant
UNII 5-8	ax (HEW20)	20	1TX/2TX
UNII 5-8	ax (HEW20)-BF	20	2TX
UNII 5-8	ax (HEW40)	40	1TX/2TX
UNII 5-8	ax (HEW40)-BF	40	2TX
UNII 5-8	ax (HEW80)	80	1TX/2TX
UNII 5-8	ax (HEW80)-BF	80	2TX
UNII 5-8	ax (HEW160)	160	1TX/2TX
UNII 5-8	ax (HEW160)-BF	160	2TX

**For Standard Power:**

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-6425	ax (HEW20)	5955-6415	1-93 [24]
6525-6875		6535-6695	117-149 [9]
5925-6425	ax (HEW40)	5965-6405	3-91 [12]
6525-6875		6565-6685	123-147 [4]
5925-6425	ax (HEW80)	5985-6385	7-87 [6]
6525-6875		6625-6785	135-167 [3]
5925-6425	ax (HEW160)	6025-6345	15-79 [3]
6525-6875		6665	143 [1]

Band	Mode	BWch (MHz)	Nant
UNII 5	ax (HEW20)	20	1TX/2TX
UNII 5	ax (HEW20)-BF	20	2TX
UNII 5	ax (HEW40)	40	1TX/2TX
UNII 5	ax (HEW40)-BF	40	2TX
UNII 5	ax (HEW80)	80	1TX/2TX
UNII 5	ax (HEW80)-BF	80	2TX
UNII 5	ax (HEW160)	160	1TX/2TX
UNII 5	ax (HEW160)-BF	160	2TX
UNII 7	ax (HEW20)	20	1TX/2TX
UNII 7	ax (HEW20)-BF	20	2TX
UNII 7	ax (HEW40)	40	1TX/2TX
UNII 7	ax (HEW40)-BF	40	2TX
UNII 7	ax (HEW80)	80	1TX/2TX
UNII 7	ax (HEW80)-BF	80	2TX
UNII 7	ax (HEW160)	160	1TX/2TX
UNII 7	ax (HEW160)-BF	160	2TX

**For Very Low Power:**

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

Band	Mode	BWch (MHz)	Nant
UNII 5-8	ax (HEW20)	20	1TX/2TX
UNII 5-8	ax (HEW20)-BF	20	2TX
UNII 5-8	ax (HEW40)	40	1TX/2TX
UNII 5-8	ax (HEW40)-BF	40	2TX
UNII 5-8	ax (HEW80)	80	1TX/2TX
UNII 5-8	ax (HEW80)-BF	80	2TX
UNII 5-8	ax (HEW160)	160	1TX/2TX
UNII 5-8	ax (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.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz / 6GHz	Bluetooth					
1	1/2	1/2	1	ARISTOTLE	RFA-27-JP378-4B-200	Monopole	I-PEX	Note 1
2	1/2	1/2	1	ARISTOTLE	RFA-27-JP326-MHF4300	PIFA	I-PEX	
3	1/2	1/2	1	ARISTOTLE	RFA-27-C38H1-MHF4300	Dipole	I-PEX	
4	-	1/2	-	ARISTOTLE	RFA-57-JP697-4B-300	Monopole	I-PEX	

Note 1

Ant.	Port			Gain (dBi)		
	WLAN 2.4GHz	WLAN 5GHz / 6GHz	Bluetooth	WLAN 2.4GHz	WLAN 5GHz / 6GHz	Bluetooth
1	1/2	1/2	1	3.38	4.86	3.38
2	1/2	1/2	1	3.50	5.00	3.50
3	1/2	1/2	1	3.00	5.00	3.00
4	-	1/2	-	-	-5	-

Note 2: The above information was declared by manufacturer.

Note 3: For Conducted measurement Test-Other tests: Only the highest gain antenna "Ant. 2" was selected to perform the test and recorded in this report.

For Contention-Based Protocol test: Only the lowest gain antenna "Ant. 4" was selected to perform the test and recorded in this report.

Note 4: Directional gain information

Type	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	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{i=1}^{N_{ANT}} \left(\sum_{j=1}^{N_{sub}} S_{i,j} \right)^2}{N_{ANT}} \right]$
BF	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{i=1}^{N_{ANT}} \left(\sum_{j=1}^{N_{sub}} S_{i,j} \right)^2}{N_{ANT}} \right]$	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{i=1}^{N_{ANT}} \left(\sum_{j=1}^{N_{sub}} S_{i,j} \right)^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{i=1}^{N_{ANT}} \left(\sum_{j=1}^{N_{sub}} S_{i,j} \right)^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) / N_{ANT})] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where ;

Monopole Antenna

$$2.4G\ G1 = 3.38\ dBi ; G2 = 3.38\ dBi ; DG = 6.39\ dBi$$

$$5G\ G1 = 4.86\ dBi ; G2 = 4.86\ dBi ; DG = 7.87\ dBi$$

$$6G\ G1 = 4.86\ dBi ; G2 = 4.86\ dBi ; DG = 7.87\ dBi$$

PIFA Antenna

$$2.4G\ G1 = 3.5\ dBi ; G2 = 3.5\ dBi ; DG = 6.51\ dBi$$

$$5G\ G1 = 5\ dBi ; G2 = 5\ dBi ; DG = 8.01\ dBi$$

$$6G\ G1 = 5\ dBi ; G2 = 5\ dBi ; DG = 8.01\ dBi$$

Dipole Antenna

$$2.4G\ G1 = 3\ dBi ; G2 = 3\ dBi ; DG = 6.01\ dBi$$

$$5G\ G1 = 5\ dBi ; G2 = 5\ dBi ; DG = 8.01\ dBi$$

$$6G\ G1 = 5\ dBi ; G2 = 5\ dBi ; DG = 8.01\ dBi$$

<For WLAN 2.4GHz function>
For IEEE 802.11b/g/n/VHT/ax (1TX/2RX):
For Conducted:

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously.

For Radiated:

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 2 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously.

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

**<For WLAN 5GHz function>****For IEEE 802.11a/n/ac/ax (1TX/2RX):**

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously.

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For WLAN 6GHz function>**For IEEE 802.11ax (1TX/2RX):**

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously.

For IEEE 802.11ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For Bluetooth function> (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Test Mode of Partial RU

Mode		Partial RU		
802.11ax HEW20	1TX	26	52	106
	2TX	26	52	106

1.1.4 Mode Test Duty Cycle

<Full RU>

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11ax HEW20_Nss 1,(M0)	1	0	1m	10Hz (DC>=0.98)
802.11ax HEW40_Nss 1,(M0)	1	0	1m	10Hz (DC>=0.98)
802.11ax HEW80_Nss 1,(M0)	1	0	1m	10Hz (DC>=0.98)
802.11ax HEW160_Nss 1,(M0)	1	0	1m	10Hz (DC>=0.98)
802.11ax HEW20-BF_Nss 1,(M0)	1	0	1m	10Hz (DC>=0.98)
802.11ax HEW40-BF_Nss 1,(M0)	1	0	1m	10Hz (DC>=0.98)
802.11ax HEW80-BF_Nss 1,(M0)	1	0	1m	10Hz (DC>=0.98)
802.11ax HEW160-BF_Nss 1,(M0)	1	0	1m	10Hz (DC>=0.98)

<Partial RU>

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	0.999	0.01	5.433m	10
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	0.964	0.16	208.438u	5k
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	0.976	0.11	336.25u	3k
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	0.999	0.01	5.433m	10
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	0.964	0.16	208.438u	5k
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	0.976	0.11	336.25u	3k
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	0.999	0.01	5.433m	10
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	0.964	0.16	208.438u	5k
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	0.976	0.11	336.25u	3k
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX	0.999	0.01	5.433m	10
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX	0.964	0.16	208.438u	5k
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	0.976	0.11	336.25u	3k

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

**1.1.5 EUT Operational Condition**

EUT Power Type	From host system	
Beamforming Function	☒ With beamforming	☐ Without beamforming
	The product has beamforming function for 11n/VHT/11ax in 2.4GHz, 11n/11ac/11ax in 5GHz and ax in 6GHz.	
Device Type	☐ Indoor Access Point	☐ Subordinate
	☐ Indoor Client	☐ Standard Power Access Point
	☒ Dual Client	☐ Standard Client
	☐ Fixed Client	☒ Very Low Power
Condition of EUT	☒ Indoor	☐ Outdoor
Channel Puncturing Function	☐ Supported Static Puncturing	
	☐ Supported Dynamic Puncturing	
	☒ Unsupported	
Support RU	☒ Full RU	☒ Partial RU
Test Software Version	AX Series MP Toolkit Version homo_v1.0.2	
Firmware Version for Transmit Power Control	6001.16.165.0	
Software / Firmware Version for CBP	6001.16.165.0	

Note: The above information was declared by manufacturer.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR1N0223-01

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

Modifications	Performance Checking
Add Very Low Power function for 6GHz through SW change.	All test items



1.2 Applicable Standards

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

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

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

- ♦ FCC KDB 987594 D02 v03
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted (For other tests)	TH01-CB	Serway Lee	22.6~24.2 / 62~63	Dec. 09, 2024~ Dec. 11, 2024
RF Conducted (Transmit Power Control)	TH01-CB	Serway Lee	22.6~24.2 / 62~63	Dec. 09, 2024~ Dec. 11, 2024
Radiated	03CH02-CB	Viola Huang	21.7-22.6 / 54-58	Dec. 09, 2024~ Dec. 13, 2024
RF Conducted (Contention-Based Protocol test)	DF02-CB	RJ Huang	21.4~22.9 / 58~62	Feb. 07, 2025~ Feb. 15, 2025

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.1 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

<Full RU>

Mode
802.11ax HEW20_Nss1,(MCS0)_1TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40_Nss1,(MCS0)_1TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80_Nss1,(MCS0)_1TX
5985MHz
6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160_Nss1,(MCS0)_1TX
6025MHz
6185MHz
6345MHz
6665MHz
802.11ax HEW20-BF_Nss1,(MCS0)_2TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40-BF_Nss1,(MCS0)_2TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80-BF_Nss1,(MCS0)_2TX
5985MHz



6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160-BF_Nss1,(MCS0)_2TX
6025MHz
6185MHz
6345MHz
6665MHz

<Partial RU>

Mode
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX
5955MHz
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX
5955MHz
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX
5955MHz
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX
6195MHz
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX
6195MHz
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX
6195MHz
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX
6415MHz
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX
6415MHz
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX
6415MHz
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX
6535MHz
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX
6535MHz
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX
6535MHz
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX
6695MHz
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX
6695MHz
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX
6695MHz
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX
6855MHz
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX
6855MHz
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX
6855MHz



802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX
5955MHz
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX
5955MHz
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX
5955MHz
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX
6195MHz
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX
6195MHz
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX
6195MHz
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX
6415MHz
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX
6415MHz
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX
6415MHz
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX
6535MHz
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX
6535MHz
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX
6535MHz
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX
6695MHz
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX
6695MHz
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX
6695MHz
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX
6855MHz
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX
6855MHz
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX
6855MHz

Note:

- ♦ For 2T1S: The EUT supports non-beamforming and beamforming mode, only beamforming mode has been selected to test.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Peak Power Spectral Density (E.I.R.P.)
Test Condition	Conducted measurement at transmit chains
1	EUT with Ant. 2_Full RU
2	EUT with Ant. 2_Partial RU

The Worst Case Mode for Following Conformance Tests	
Tests Item	Transmit Power Control
Test Condition	Conducted measurement at transmit chains
1	EUT with Ant. 2_Full RU

The Worst Case Mode for Following Conformance Tests	
Tests Item	Contention Based Protocol
Test Condition	Conducted measurement at transmit chains
1	EUT with Ant. 4

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
After evaluating, the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Y axis with Ant. 1_Full RU
2	EUT in Y axis with Ant. 1_Partial RU
3	EUT in Y axis with Ant. 2_Full RU
4	EUT in Y axis with Ant. 2_Partial RU
5	EUT in Y axis with Ant. 3_Full RU
6	EUT in Y axis with Ant. 3_Partial RU



The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission MASK
Test Condition	Conducted measurement at transmit chains
1	EUT with Ant. 2_Full RU
2	EUT with Ant. 2_Partial RU

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Bluetooth + WLAN 5GHz : 2TX
2	Bluetooth + WLAN 6GHz : 2TX
3	WLAN 2.4GHz: 1TX + WLAN 5GHz : 1TX
4	WLAN 2.4GHz: 1TX + WLAN 6GHz : 1TX
5	Bluetooth + WLAN 5GHz : 1TX + WLAN 6GHz : 1TX
Refer to Sporton Test Report No.: FA1N0223-58 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

N/A

2.5 Support Equipment

For Radiated (above 1GHz) and RF Conducted (Other tests):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Test Fixture	REALTEK	Ameba adapter	N/A

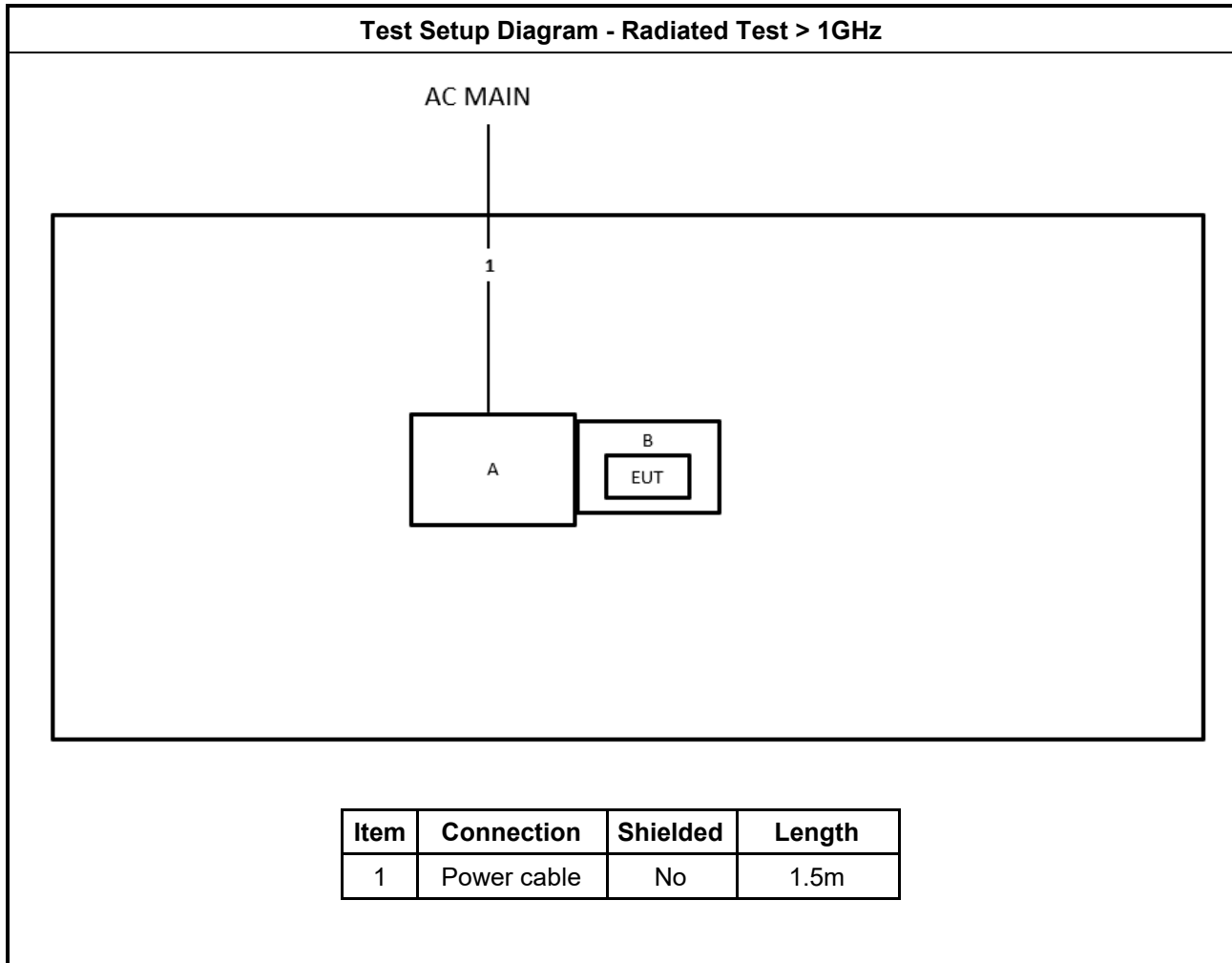
**For RF Conducted (Transmit Power Control test):**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Test Fixture	REALTEK	Ameba adapter	N/A
C	WLAN module (AP Device)	Realtek	RTL8852CE	N/A
D	Fixture	Realtek	Ameba adapter	N/A
E	Fixture	Realtek	Ameba adapter	N/A

For RF Conducted (Contention Based Protocol test):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	WLAN AP	ASUS	GT-AXE16000	MSQ-RTAX5D00
D	Test Fixture	REALTEK	Ameba adapter	N/A

2.6 Test Setup Diagram



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

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

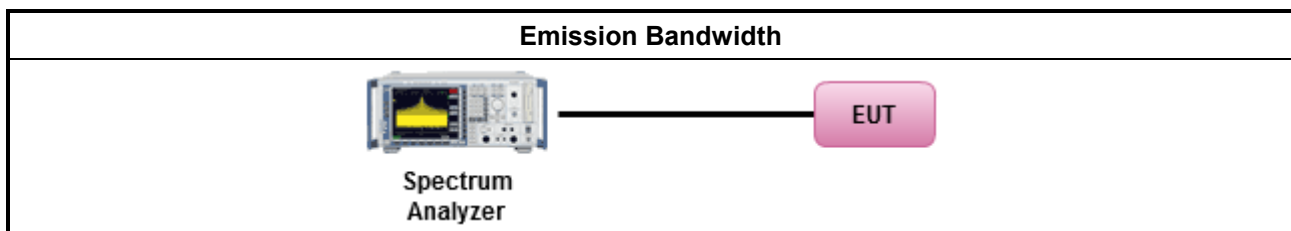
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

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

3.2.1 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 very low power device : e.i.r.p < 14 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 very low power device : e.i.r.p < 14 dBm.
☐ For the 6.875 ~ 7.125 GHz band:	
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
RLAN Devices	
☐ For the 5.925 ~ 7.125 GHz band:	
	■ For low-power indoor access-points & indoor subordinate devices < 30 dBm .
	■ For low-power client devices < 24 dBm.
	■ For very low-power devices < 14 dBm.
☐ For the 5.925 ~ 6.875 GHz band:	
	■ For standard-power access points & fixed client devices < 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 standard client devices < 30 dBm.

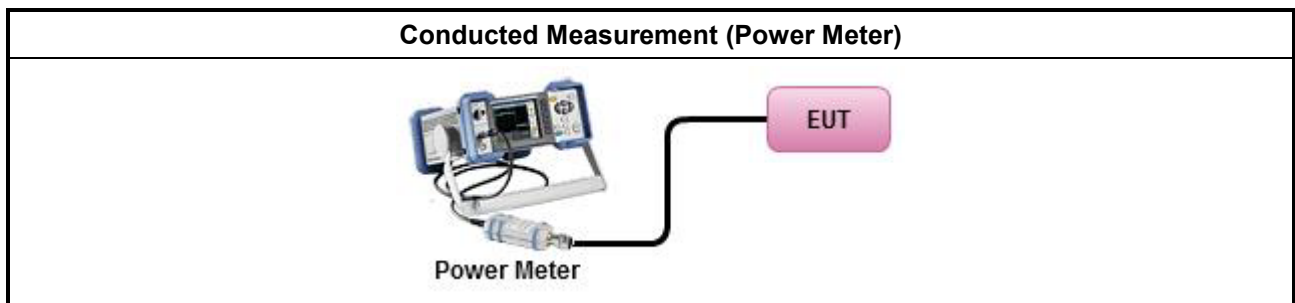
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



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

Refer as Appendix B



3.3 Transmit Power Control

3.3.1 Transmit Power Control Limit

Very low-power devices operating in the 5.925–6.425 and 6.525-6.875 GHz bands shall employ a TPC mechanism. A very low-power device must demonstrate the capability to operate at least 6 dB below the maximum EIRP PSD value of -5 dBm/MHz.

3.3.2 Measuring Instruments

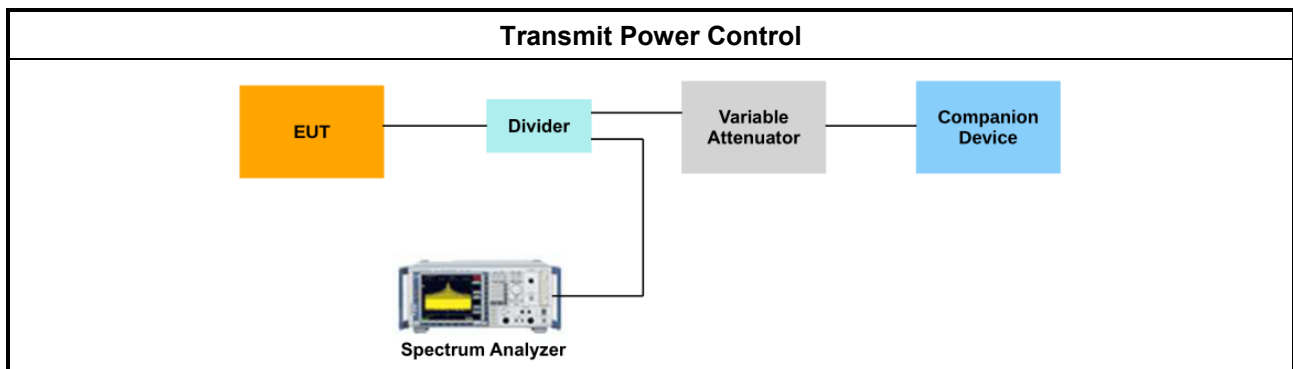
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Spectrum Settings	
▪	According to FCC KDB 987594 D02 clause II.F, the measurement procedure shall refer to KDB 789033. Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:
☐	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
	[duty cycle ≥ 98% or external video / power trigger]
☒	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
☒	For conducted measurement.
▪	If the EUT supports multiple transmit chains using options given below:
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains

Spectrum Settings	
	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]) $EIRP_{total} = PPSD_{total} + DG$
Test Procedures	
	- Configure the EUT and companion device for point-to-point communication. - Set the variable attenuator to 0 dB. - Establish a link and start communication between the EUT and companion device. - Capture the PSD spectrum analyzer trace 1 (high PSD). - Set the variable attenuator to 20 dB (adjust according to the situation). - Capture the PSD spectrum analyzer trace (2). - Compare the highest PSD in trace (1) with the highest PSD in trace (2) and determine the difference. For MIMO operation, use the sum of the highest PSD of each antenna.

3.3.4 Test Setup



3.3.5 Test Result of Transmit Power Control

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 very low power device : e.i.r.p PSD < -5 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 very low power device : e.i.r.p PSD < -5 dBm/MHz.
☐ For the 6.875 ~ 7.125 GHz band:	
	■ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
RLAN Devices	
☐ For the 5.925 ~ 7.125 GHz band:	
	■ For low-power indoor access-points & indoor subordinate devices < 5 dBm / MHz.
	■ For low-power client devices < -1 dBm / MHz.
	■ For very low-power devices < -5 dBm / MHz.
☐ For the 5.925 ~ 6.875 GHz band:	
	■ For standard-power access points & fixed client devices < 23 dBm / MHz.
	■ For standard client devices < 17 dBm / MHz.

3.4.2 Measuring Instruments

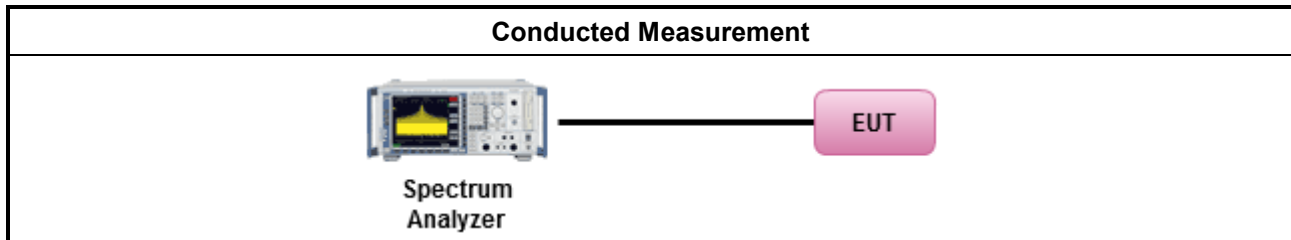
Refer a test equipment and calibration data table in this test report.

**3.4.3 Test Procedures**

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

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

3.4.4 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

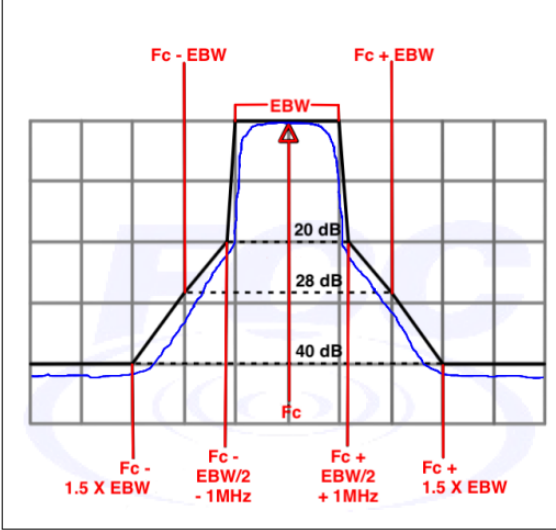
Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
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) = $54\text{dBuV/m at 3m} + 9.54\text{dB} = 63.54\text{dBuV/m at 1m}$.

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) = $68.2\text{dBuV/m at 3m} + 9.54\text{dB} = 77.74\text{dBuV/m at 1m}$. Note 2:-27 dBm EIRP OOBE is measured RMS which is a deviation from the current 15E rules for 5 GHz bands. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.

Frequency	Emission MASK Limit
5.945 – 7.125 GHz	Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB. 



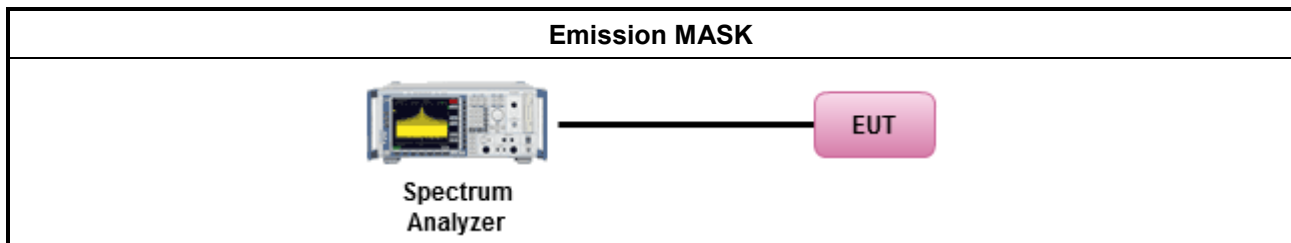
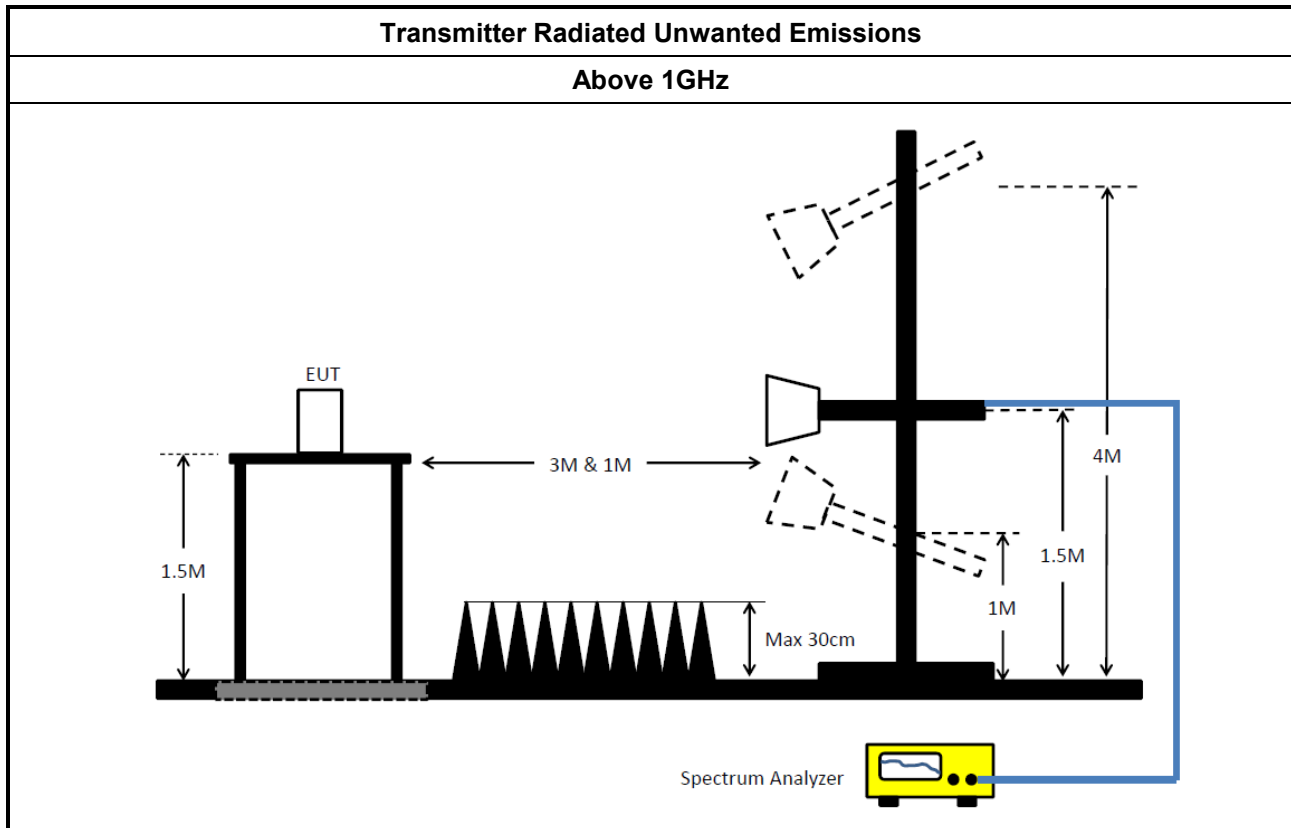
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Contention Based Protocol

3.6.1 Contention Based Protocol Limit

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

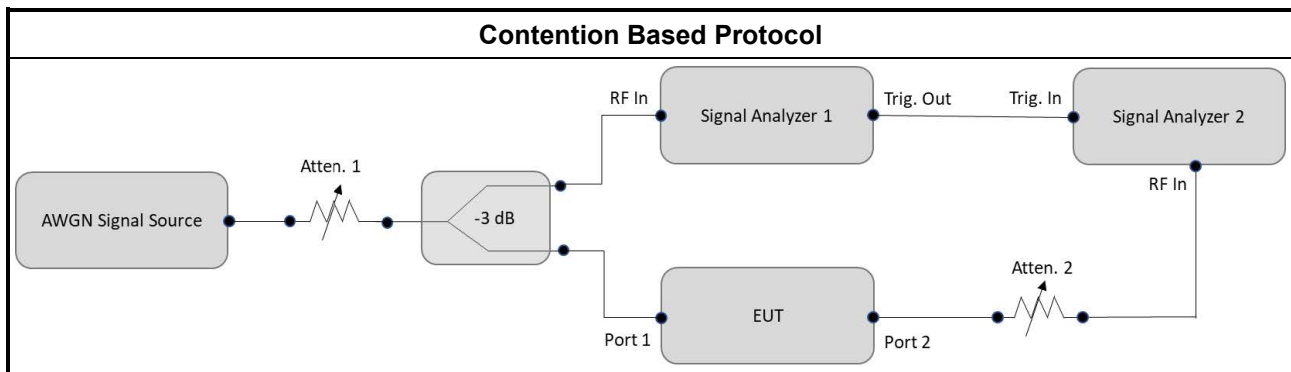
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Test Result of Contention Based Protocol

Refer as Appendix F

Note : The result for CBP is confirmed that the devices would stop to transmit when incumbent signal is detected.



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 12, 2024	Apr. 11, 2025	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Aug. 14, 2024	Aug. 13, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2024	May 26, 2025	Conducted (TH01-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1 ~ 18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1~ 18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~18 GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
RF Power Divider	Titan	2 Way	DV-8G -09	2GHz ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
RF Power Divider	Titan	2 Way	DV-8G -10	2GHz ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
Cable 9k-18G	Woken	RG402	Cable-95	9 kHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Mar. 01, 2024	Feb. 28, 2025	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	MY45100745	50MHz~18GHz	Jul. 12, 2024	Jul. 11, 2025	Conducted (TH01-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Conducted (TH01-CB)
Spectrum Analyzer	R&S	FSV40	101025	9kHz ~ 40GHz	Nov. 08, 2024	Nov. 07, 2025	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-8G -05	1 ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-8G -06	1 ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	Cable-60	1~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	Cable-61	1~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	Cable-63	1~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (DF02-CB)

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

NCR means Non-Calibration required.

Test Mode: Mode 1
Summary

Mode	Max-N dB	Max-OBW	ITU-Code	Min-N dB	Min-OBW
	(Hz)	(Hz)		(Hz)	(Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	20.075M	18.903M	18M9D1D	19.91M	18.844M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.35M	18.902M	18M9D1D	19.855M	18.863M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.15M	37.797M	37M8D1D	39.49M	37.721M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	39.6M	37.782M	37M8D1D	39.16M	37.689M
802.11ax HEW80_Nss1,(MCS0)_1TX	80.74M	77.266M	77M3D1D	80.3M	76.932M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	80.74M	77.261M	77M3D1D	80.08M	77.007M
802.11ax HEW160_Nss1,(MCS0)_1TX	162.36M	156.593M	157MD1D	162.36M	156.385M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	162.8M	156.75M	157MD1D	162.36M	156.449M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	20.13M	18.899M	18M9D1D	19.745M	18.887M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.295M	18.898M	18M9D1D	19.745M	18.864M
802.11ax HEW40_Nss1,(MCS0)_1TX	39.6M	37.847M	37M8D1D	39.16M	37.724M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	39.82M	37.837M	37M8D1D	39.27M	37.712M
802.11ax HEW80_Nss1,(MCS0)_1TX	80.52M	77.301M	77M3D1D	80.3M	77.247M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	80.74M	77.235M	77M2D1D	80.3M	77.113M
802.11ax HEW160_Nss1,(MCS0)_1TX	162.8M	156.552M	157MD1D	162.8M	156.552M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	163.24M	156.941M	157MD1D	162.8M	156.659M

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

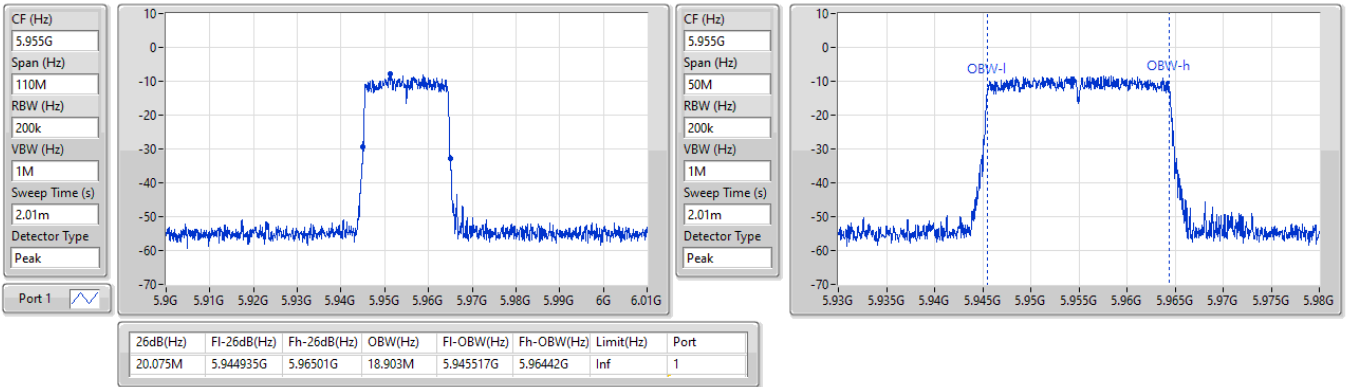
Result

Mode	Result	Limit	Port 1-N dB	Port 1-OBW	Port 2-N dB	Port 2-OBW
		(Hz)	(Hz)	(Hz)	(Hz)	(Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5955MHz	Pass	Inf	20.075M	18.903M		
6195MHz	Pass	Inf	19.91M	18.889M		
6415MHz	Pass	Inf	19.965M	18.844M		
6535MHz	Pass	Inf	20.02M	18.887M		
6695MHz	Pass	Inf	20.13M	18.893M		
6855MHz	Pass	Inf	19.745M	18.899M		
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5965MHz	Pass	Inf	40.15M	37.797M		
6205MHz	Pass	Inf	39.49M	37.721M		
6405MHz	Pass	Inf	39.71M	37.787M		
6565MHz	Pass	Inf	39.16M	37.724M		
6685MHz	Pass	Inf	39.6M	37.847M		
6845MHz	Pass	Inf	39.27M	37.765M		
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5985MHz	Pass	Inf	80.3M	77.032M		
6225MHz	Pass	Inf	80.74M	77.266M		
6385MHz	Pass	Inf	80.3M	76.932M		
6625MHz	Pass	Inf	80.52M	77.247M		
6705MHz	Pass	Inf	80.52M	77.301M		
6785MHz	Pass	Inf	80.3M	77.296M		
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-
6025MHz	Pass	Inf	162.36M	156.385M		
6185MHz	Pass	Inf	162.36M	156.431M		
6345MHz	Pass	Inf	162.36M	156.593M		
6665MHz	Pass	Inf	162.8M	156.552M		
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	20.35M	18.886M	20.02M	18.897M
6195MHz	Pass	Inf	19.855M	18.863M	20.185M	18.896M
6415MHz	Pass	Inf	20.13M	18.871M	20.185M	18.902M
6535MHz	Pass	Inf	20.13M	18.869M	20.02M	18.871M
6695MHz	Pass	Inf	20.02M	18.864M	20.02M	18.867M
6855MHz	Pass	Inf	19.745M	18.898M	20.295M	18.89M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5965MHz	Pass	Inf	39.6M	37.757M	39.6M	37.689M
6205MHz	Pass	Inf	39.49M	37.782M	39.49M	37.75M
6405MHz	Pass	Inf	39.16M	37.721M	39.49M	37.728M
6565MHz	Pass	Inf	39.27M	37.733M	39.49M	37.837M
6685MHz	Pass	Inf	39.82M	37.761M	39.82M	37.761M
6845MHz	Pass	Inf	39.49M	37.712M	39.6M	37.807M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5985MHz	Pass	Inf	80.74M	77.084M	80.08M	77.261M
6225MHz	Pass	Inf	80.74M	77.22M	80.3M	77.17M
6385MHz	Pass	Inf	80.08M	77.148M	80.3M	77.007M
6625MHz	Pass	Inf	80.74M	77.185M	80.3M	77.113M
6705MHz	Pass	Inf	80.3M	77.139M	80.52M	77.235M
6785MHz	Pass	Inf	80.74M	77.133M	80.52M	77.206M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
6025MHz	Pass	Inf	162.8M	156.62M	162.8M	156.449M
6185MHz	Pass	Inf	162.8M	156.668M	162.8M	156.75M
6345MHz	Pass	Inf	162.36M	156.554M	162.8M	156.674M
6665MHz	Pass	Inf	163.24M	156.659M	162.8M	156.941M

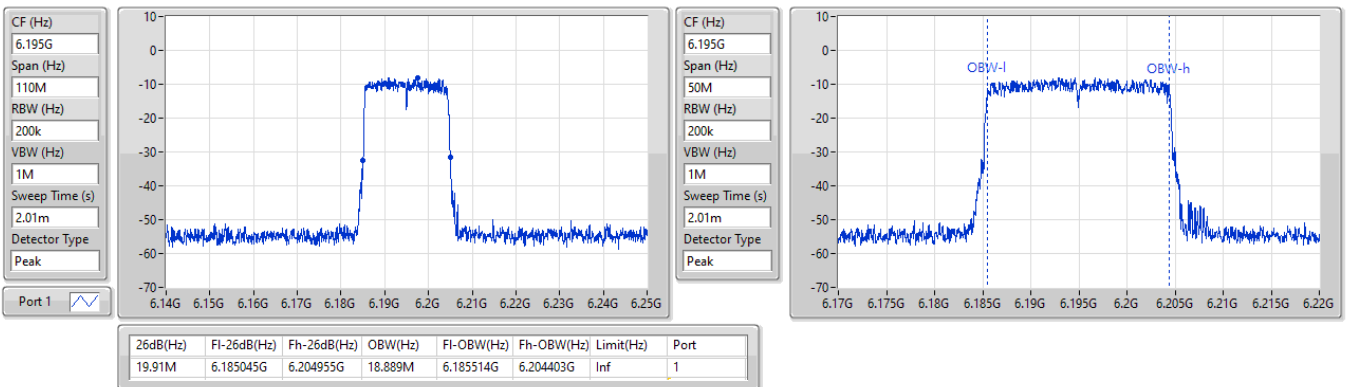
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5955MHz

09/12/2024

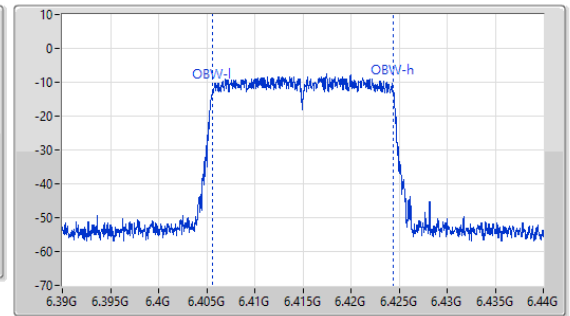
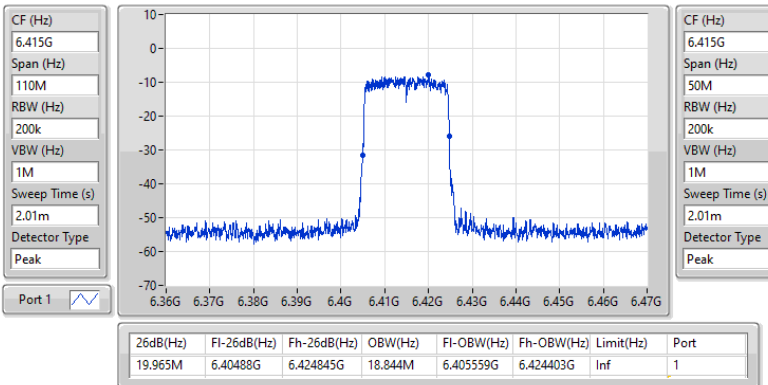

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
6195MHz

09/12/2024

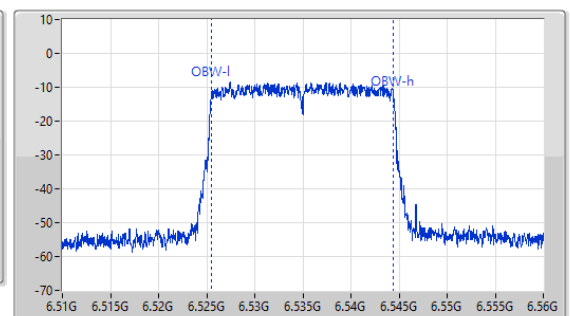
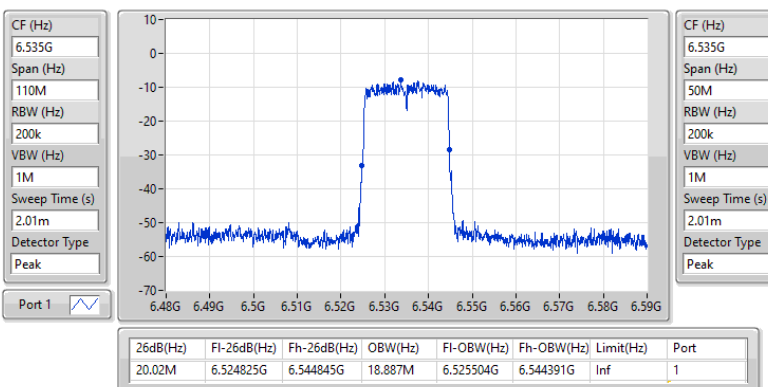


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
6415MHz

09/12/2024


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
6535MHz

09/12/2024

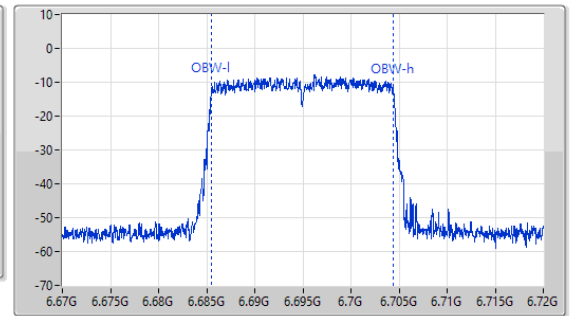
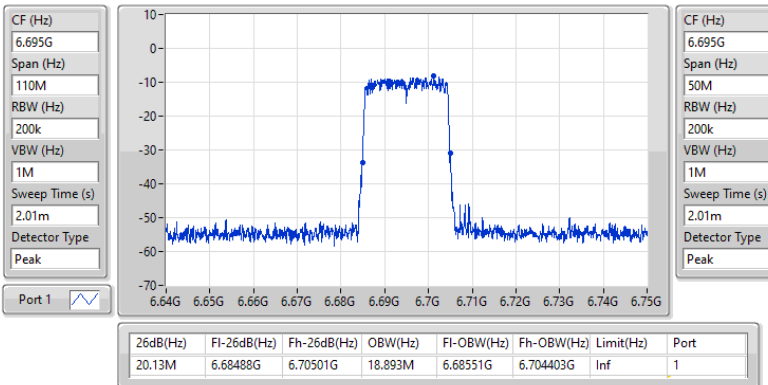


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

6695MHz

09/12/2024

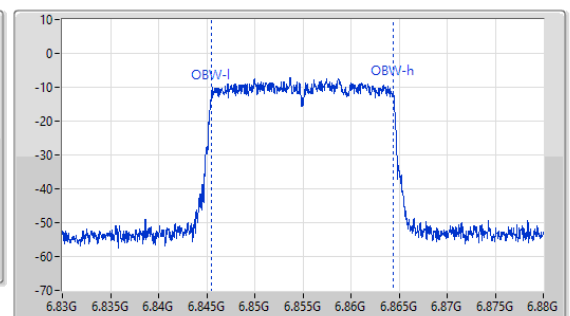
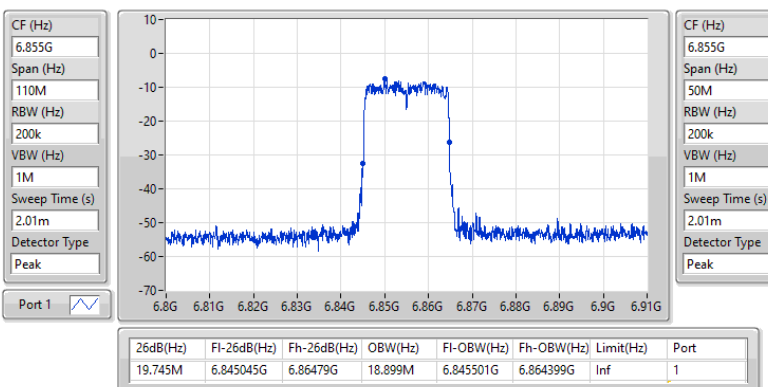


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

6855MHz

09/12/2024

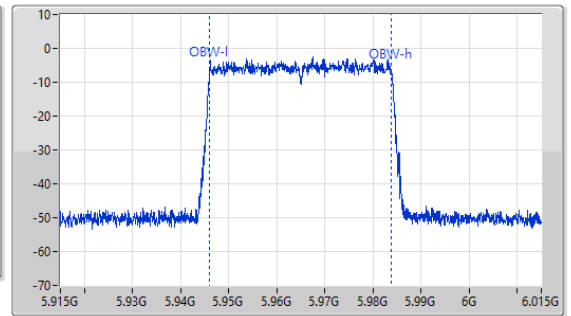
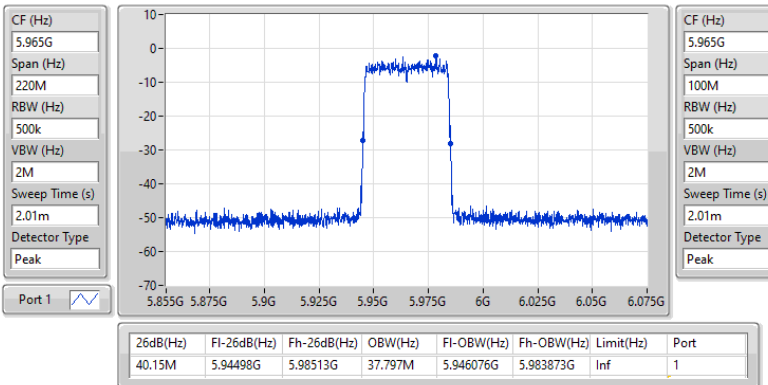


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5965MHz

09/12/2024

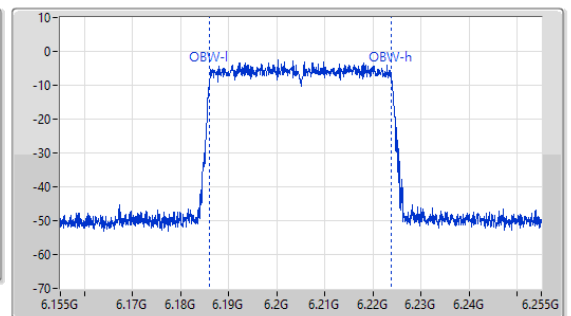
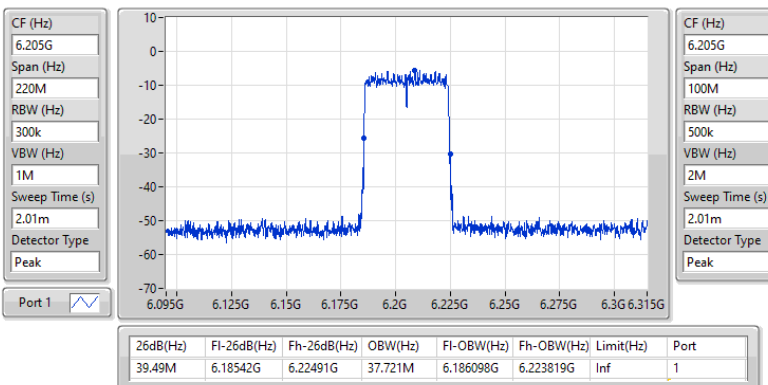


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

6205MHz

09/12/2024

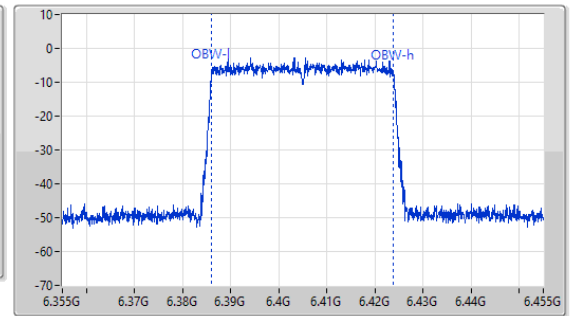
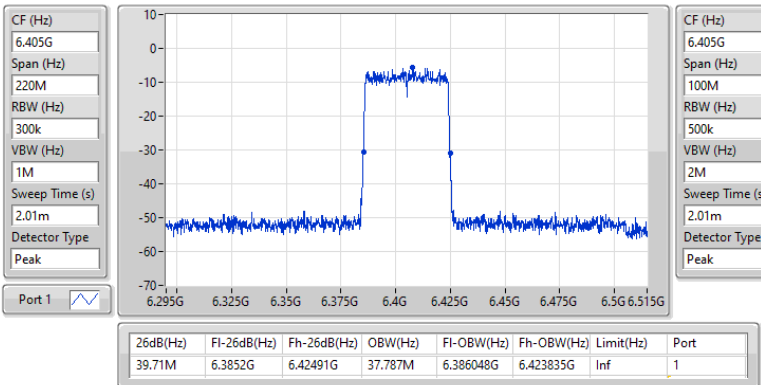


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

6405MHz

09/12/2024

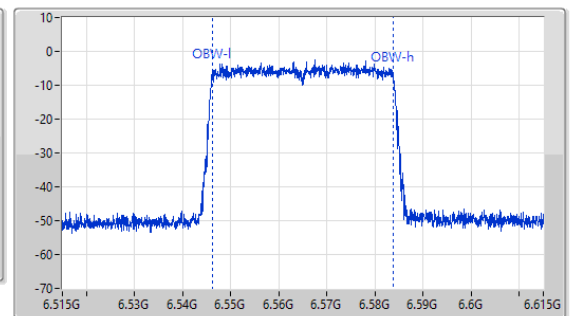
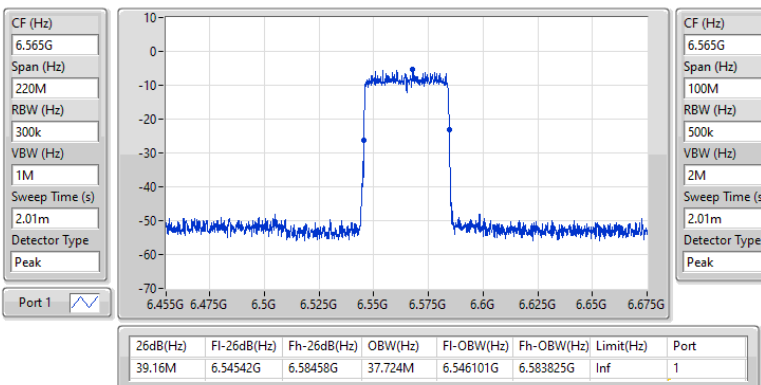


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

6565MHz

09/12/2024

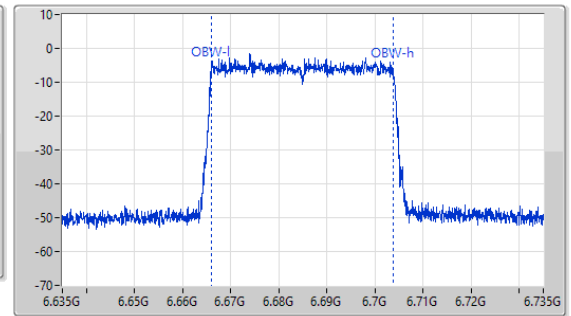
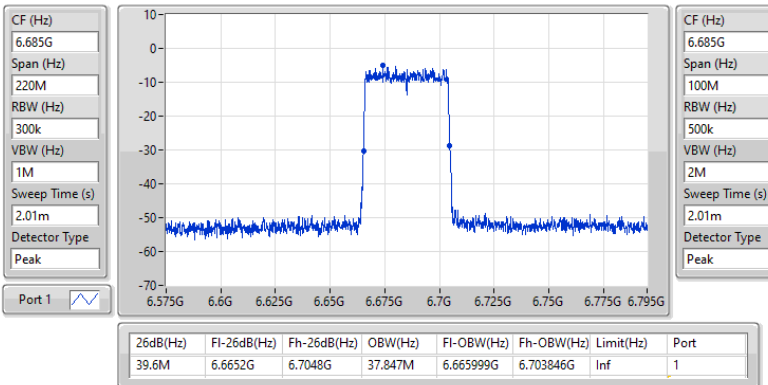


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

6685MHz

09/12/2024

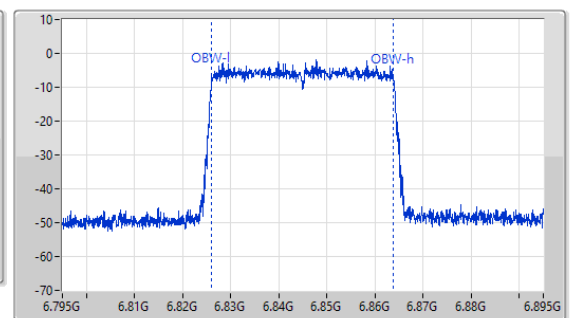
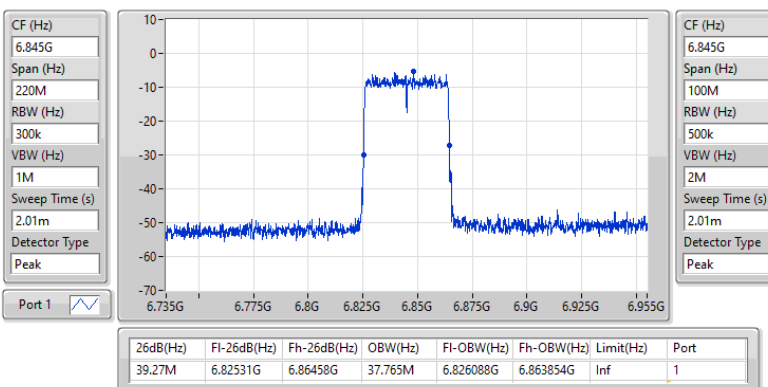


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

6845MHz

09/12/2024

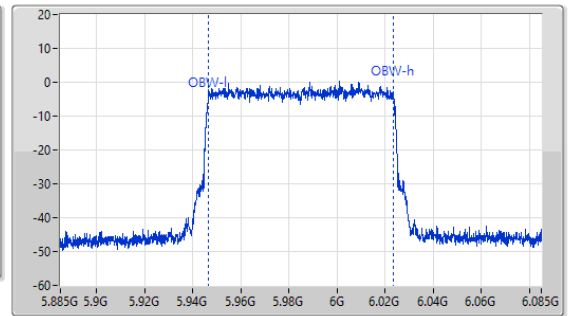
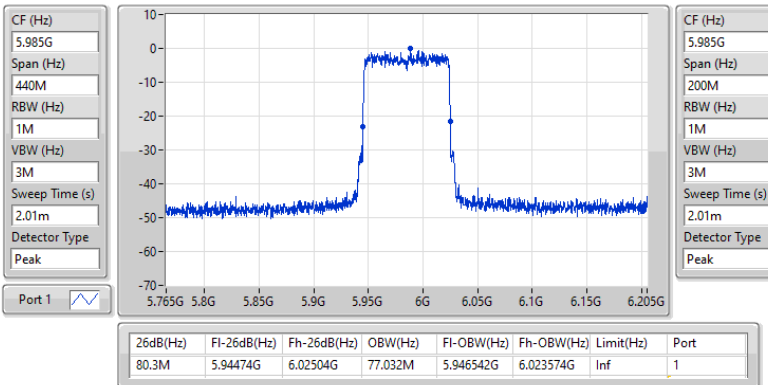


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5985MHz

09/12/2024

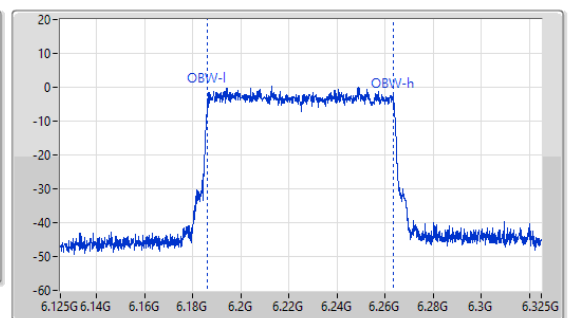
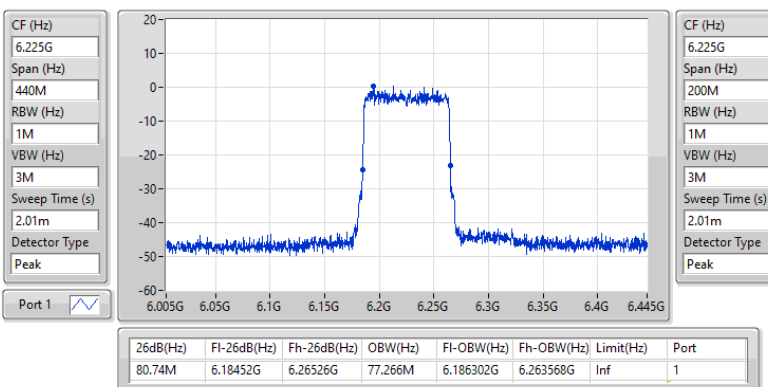


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

6225MHz

09/12/2024

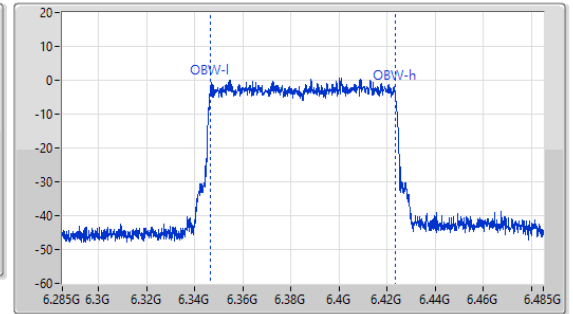
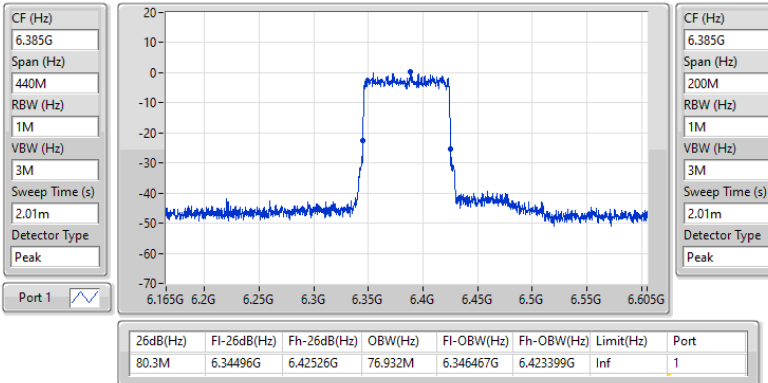


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

6385MHz

09/12/2024

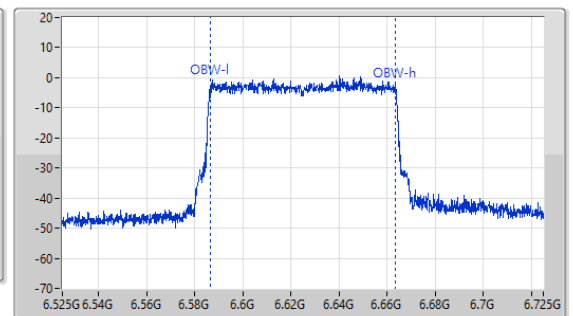
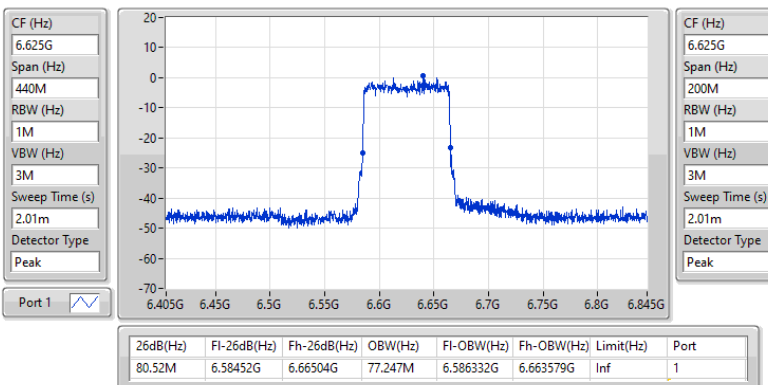


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

6625MHz

09/12/2024

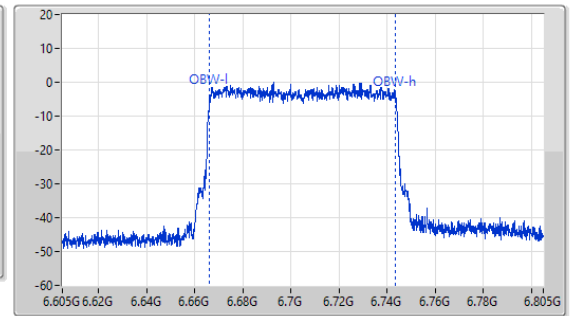
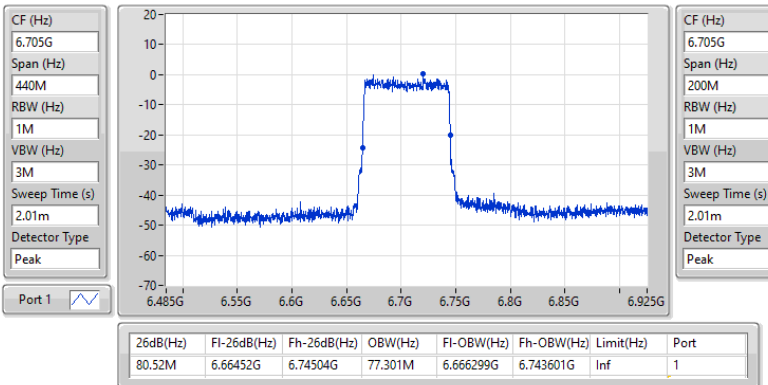


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

6705MHz

09/12/2024

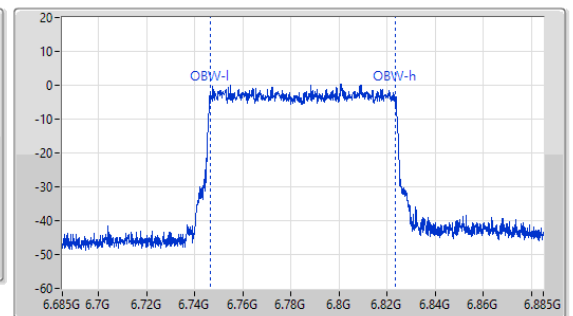
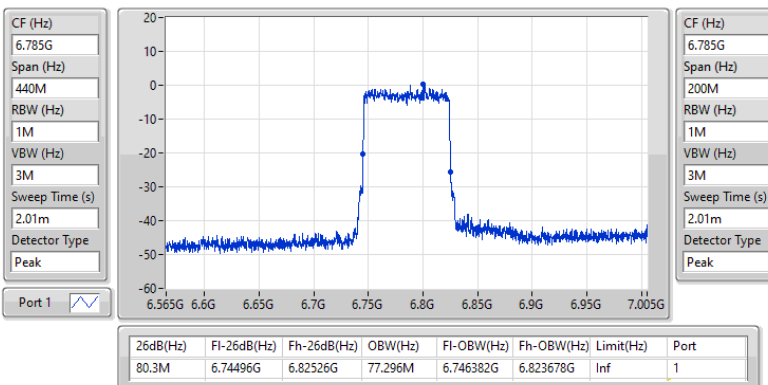


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

6785MHz

09/12/2024

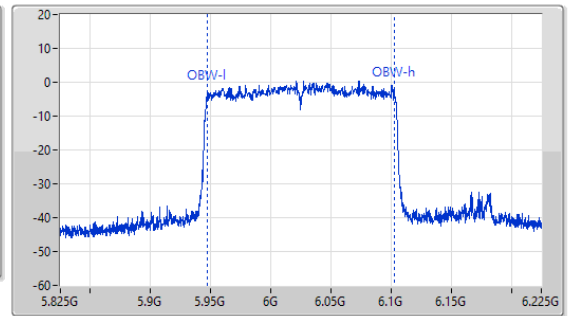
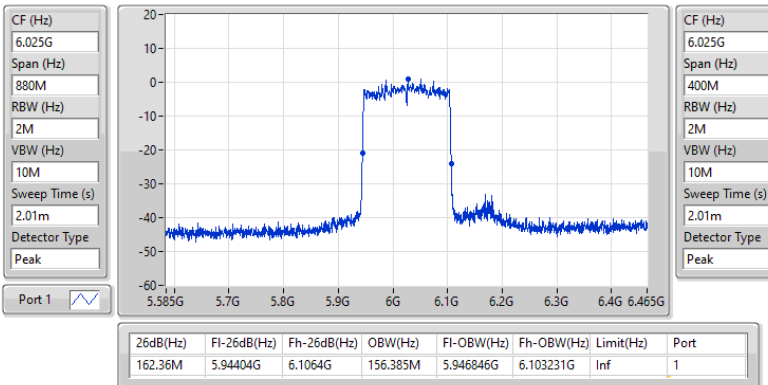


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

6025MHz

09/12/2024

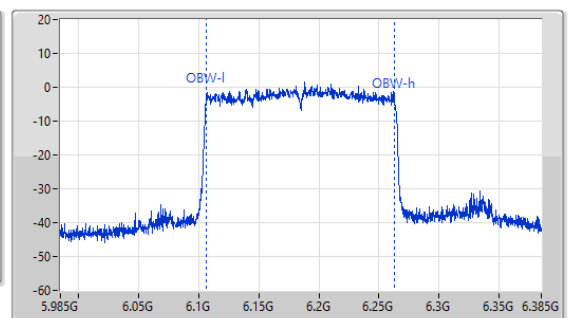
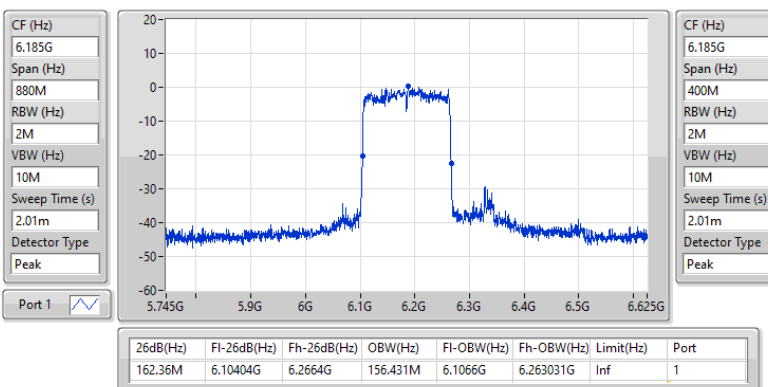


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

6185MHz

09/12/2024

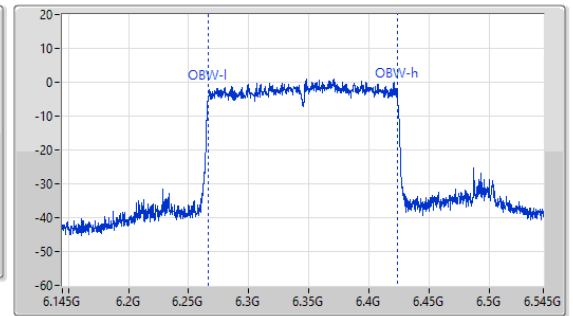
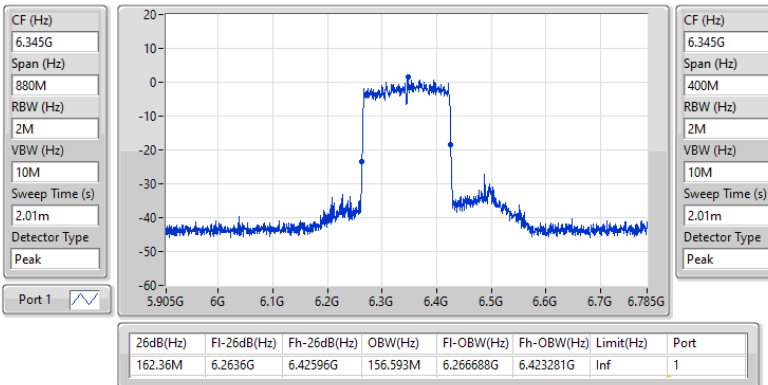


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

6345MHz

09/12/2024

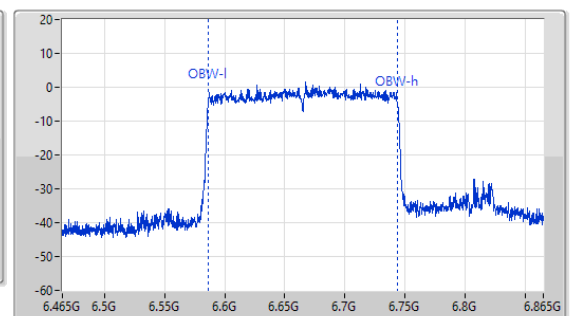
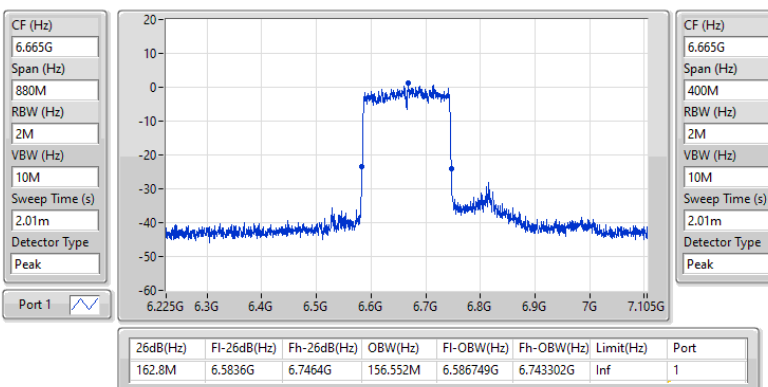


6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

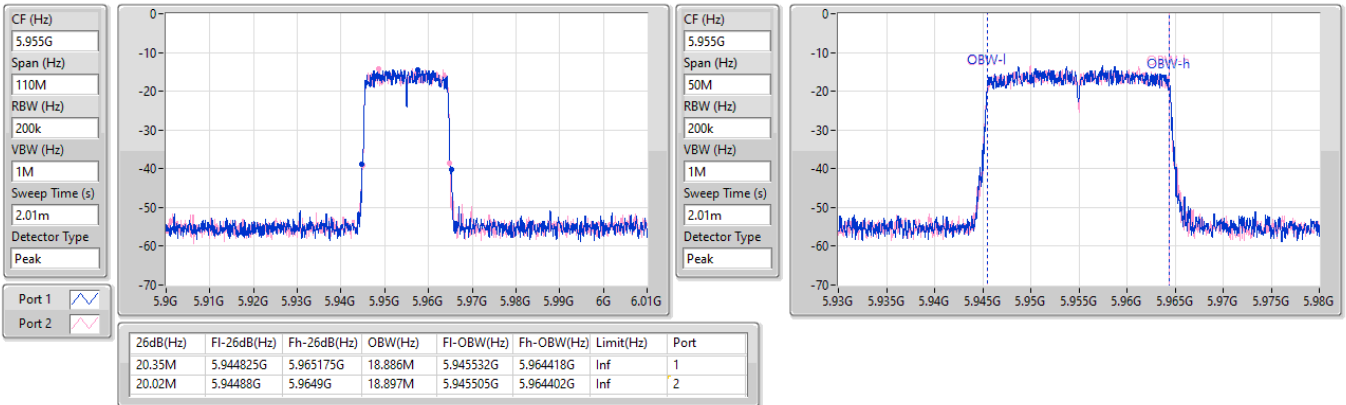
6665MHz

09/12/2024

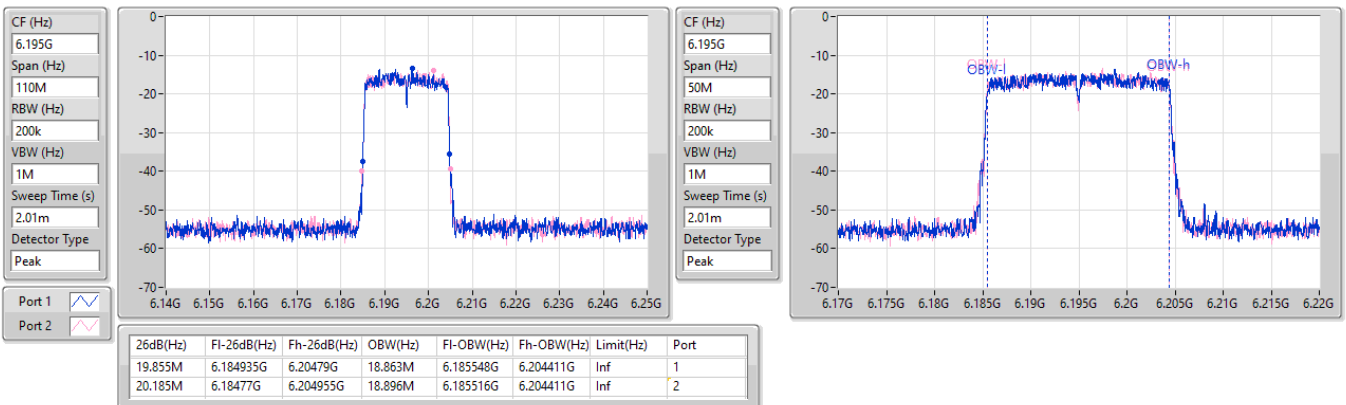


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5955MHz

10/12/2024

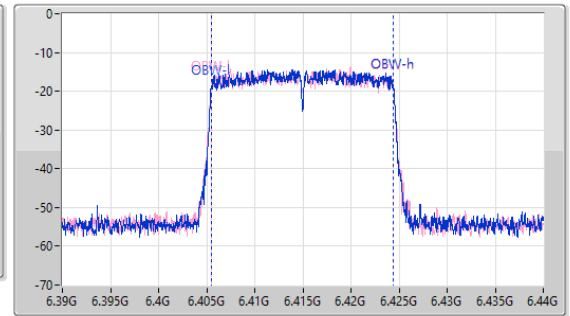
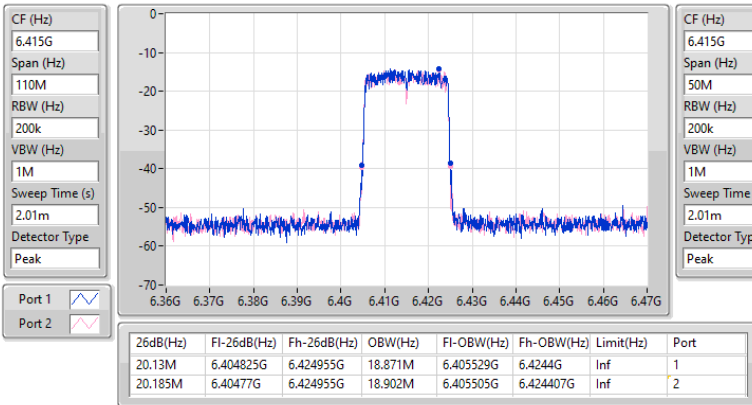

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6195MHz

10/12/2024

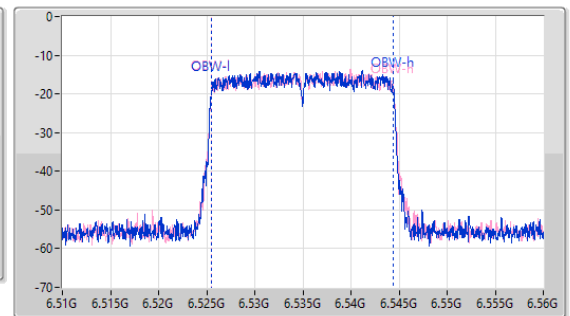
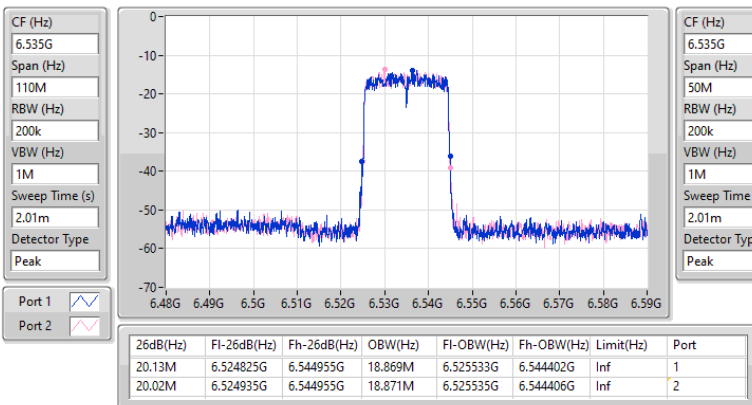


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6415MHz

10/12/2024

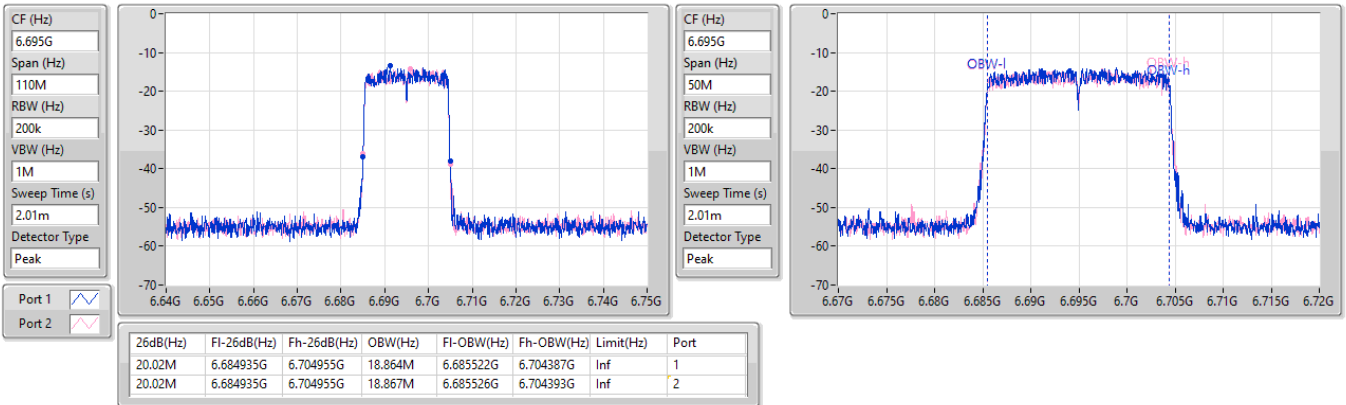

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6535MHz

10/12/2024

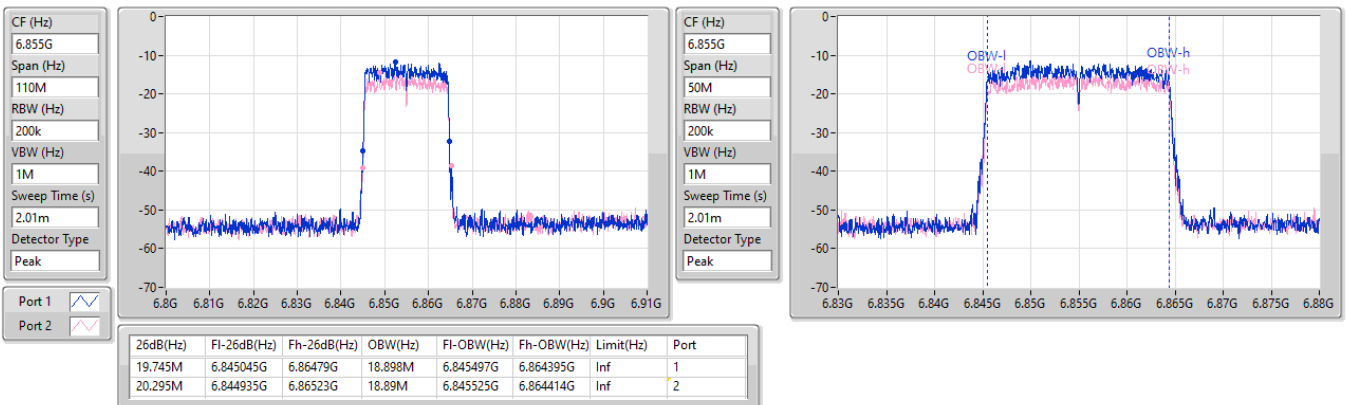


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6695MHz

10/12/2024

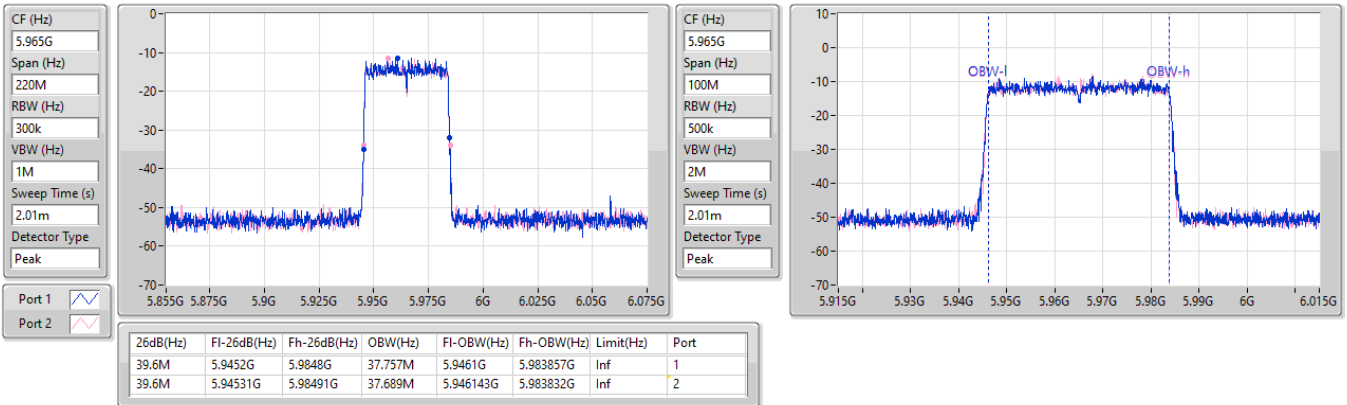

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6855MHz

10/12/2024

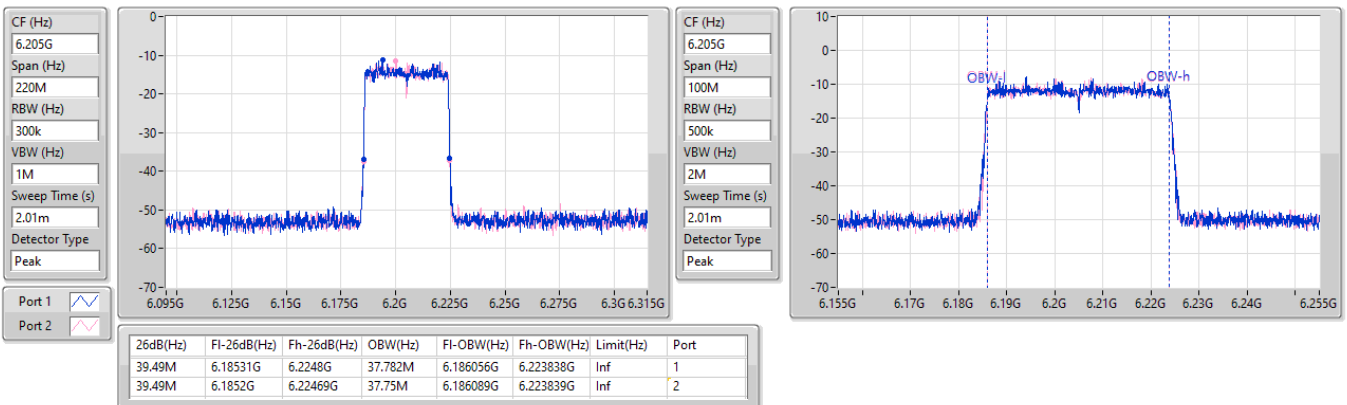


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5965MHz

10/12/2024

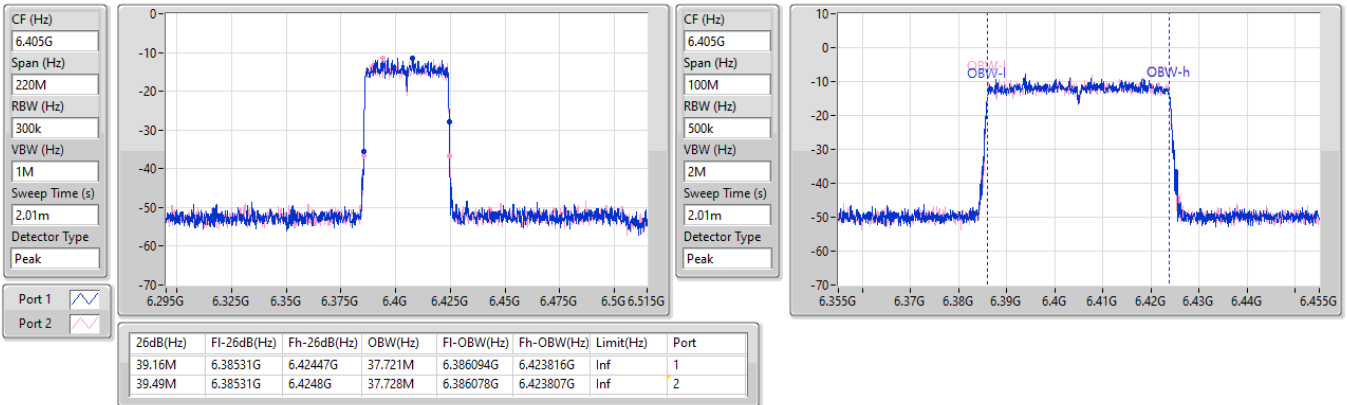

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EBW
6205MHz

10/12/2024

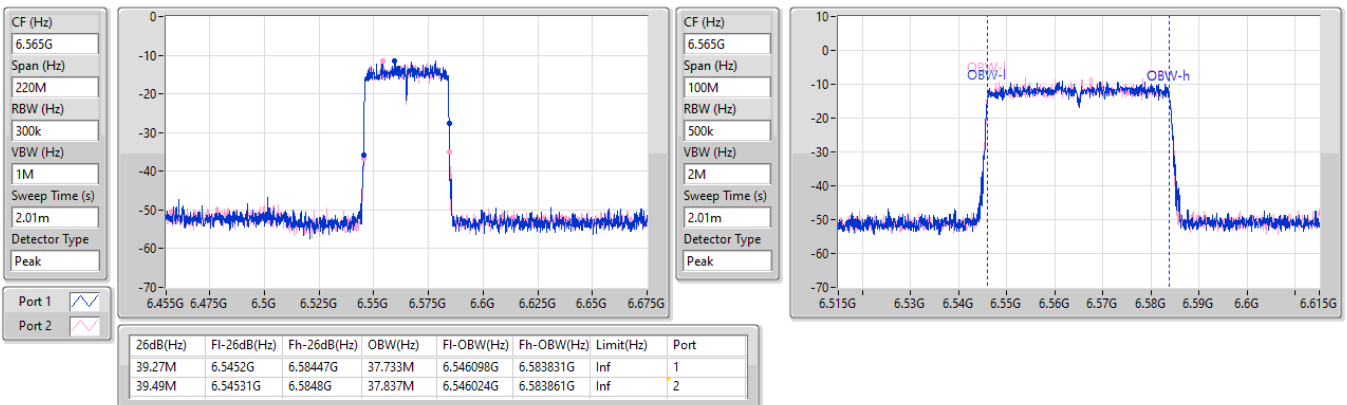


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EBW
6405MHz

10/12/2024

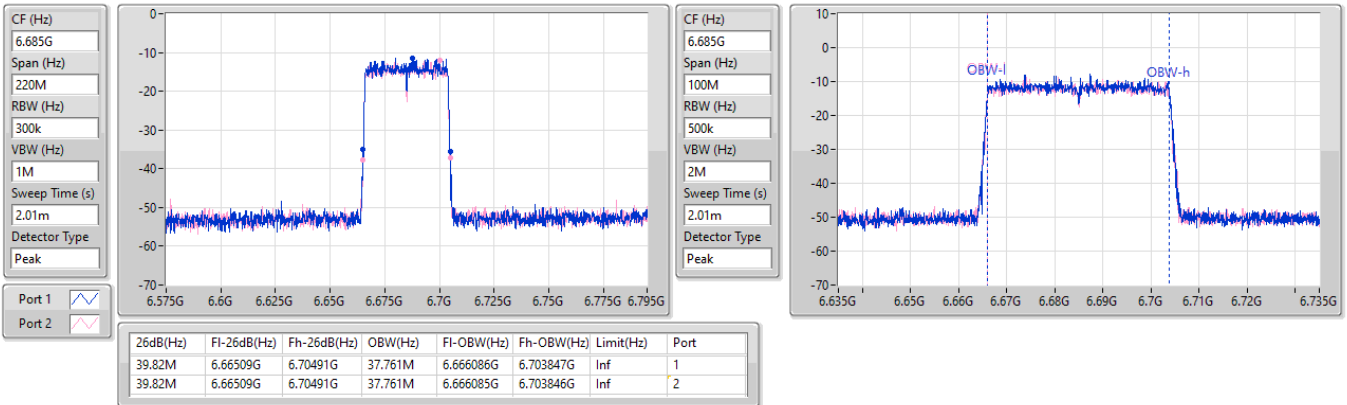

6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
6565MHz

10/12/2024

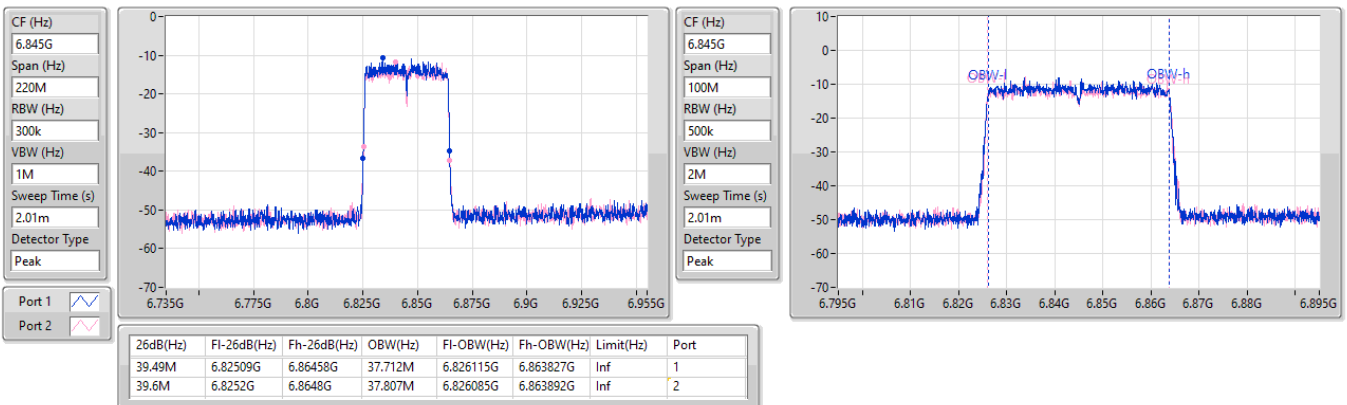


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
6685MHz

10/12/2024

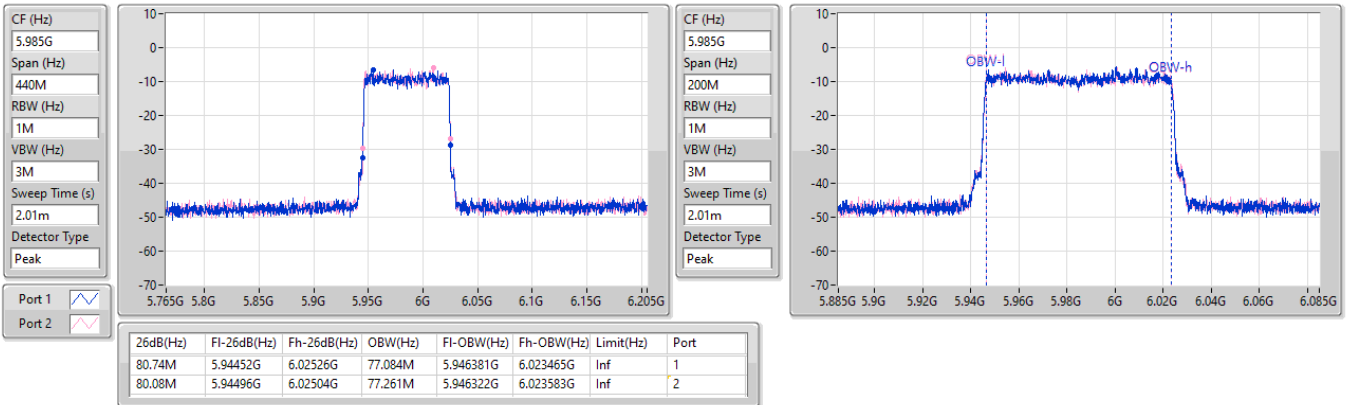

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EBW
6845MHz

10/12/2024

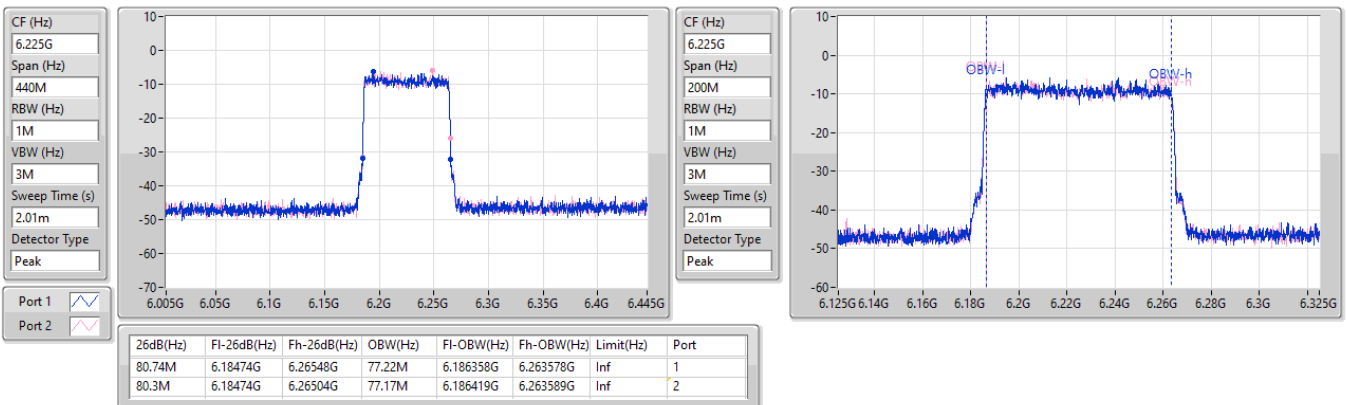


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5985MHz

10/12/2024


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
6225MHz

10/12/2024

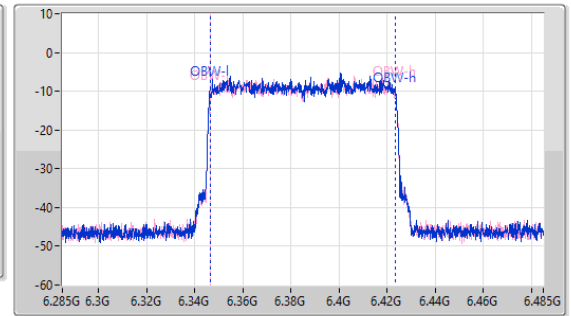
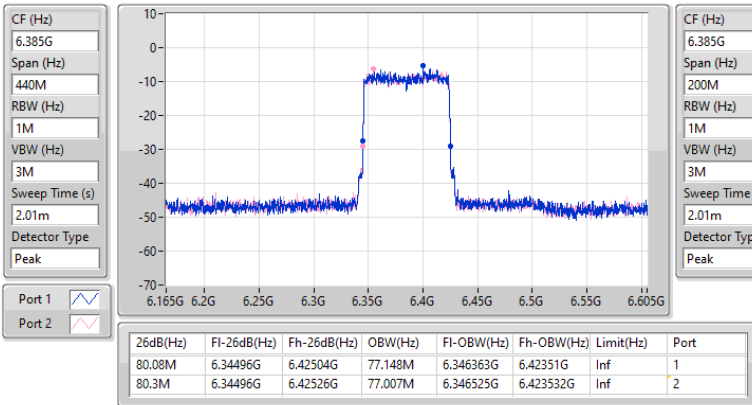


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

6385MHz

10/12/2024

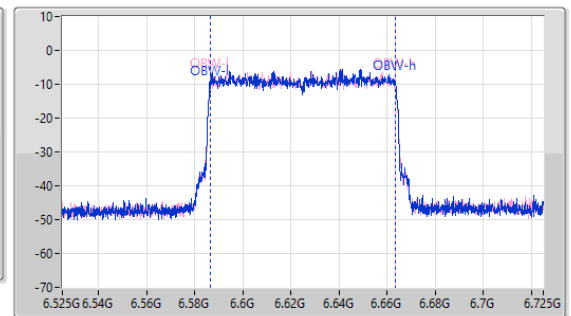
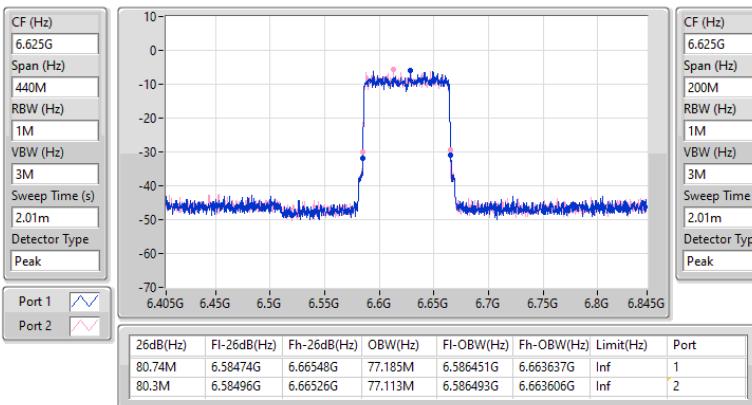


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

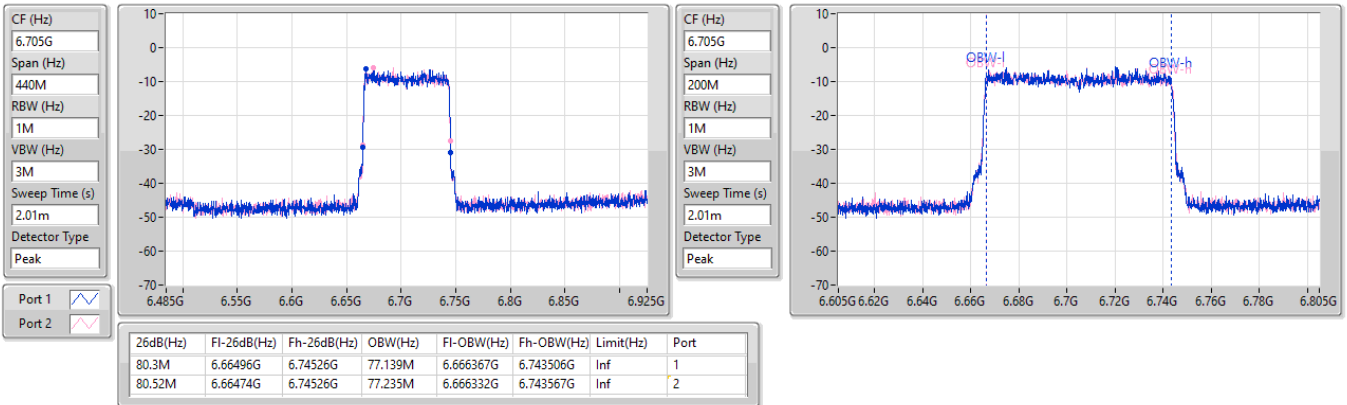
6625MHz

10/12/2024

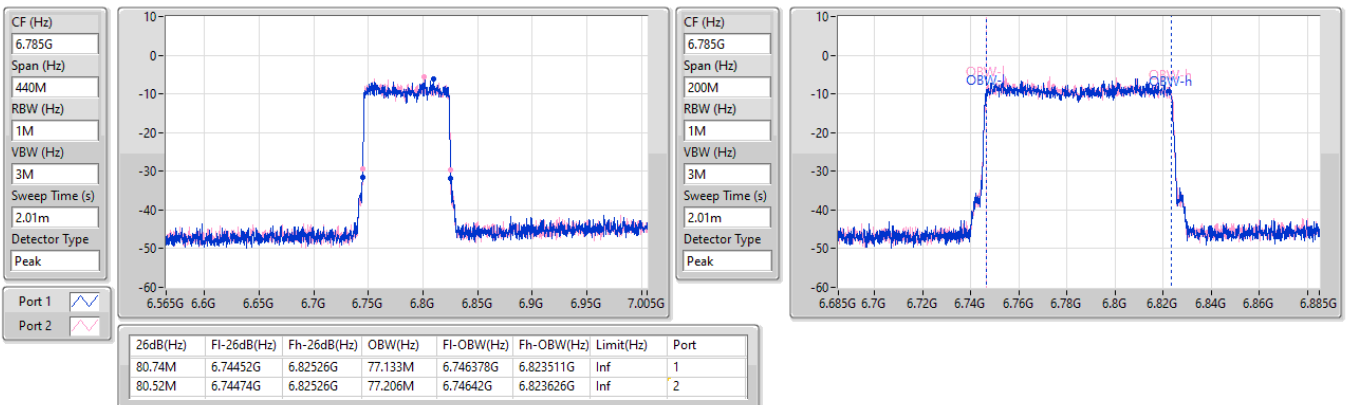


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
6705MHz

10/12/2024

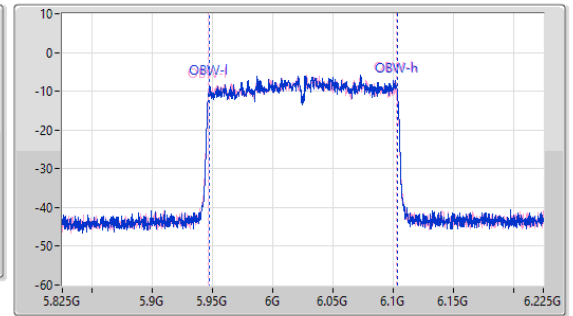
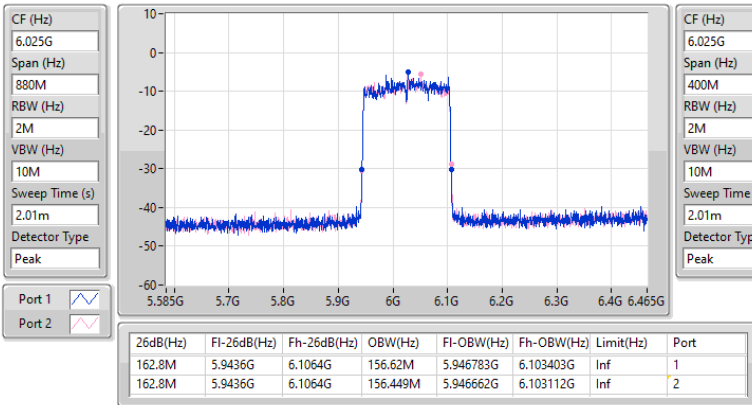

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
6785MHz

10/12/2024

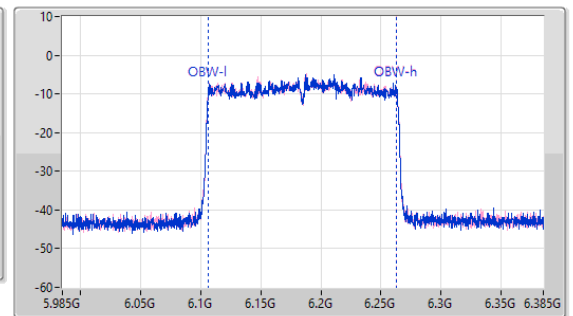
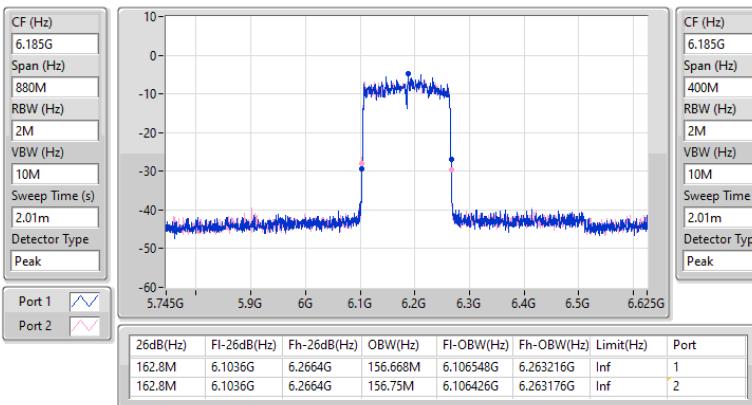


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
EBW
6025MHz

10/12/2024

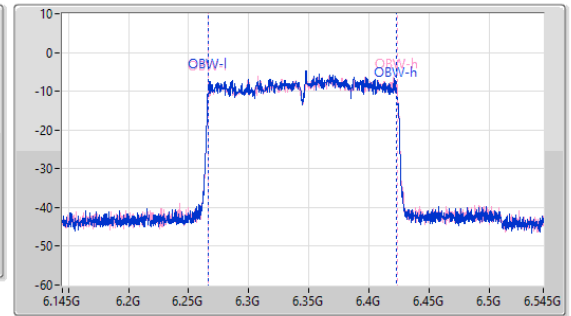
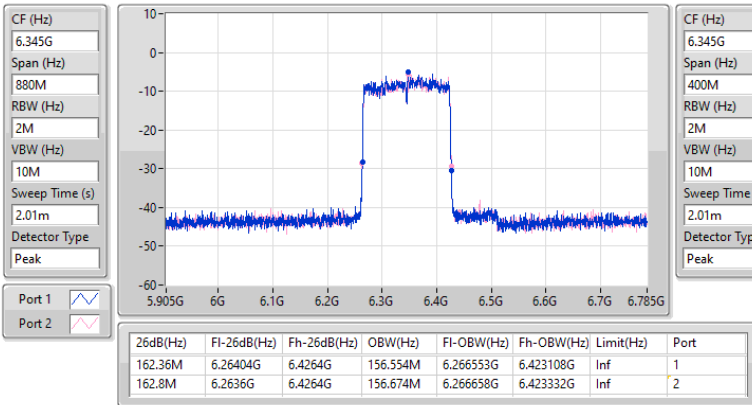

5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
EBW
6185MHz

10/12/2024

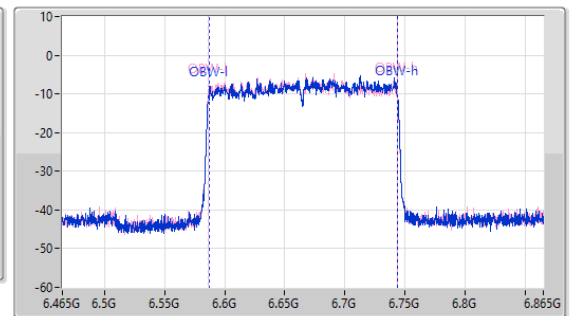
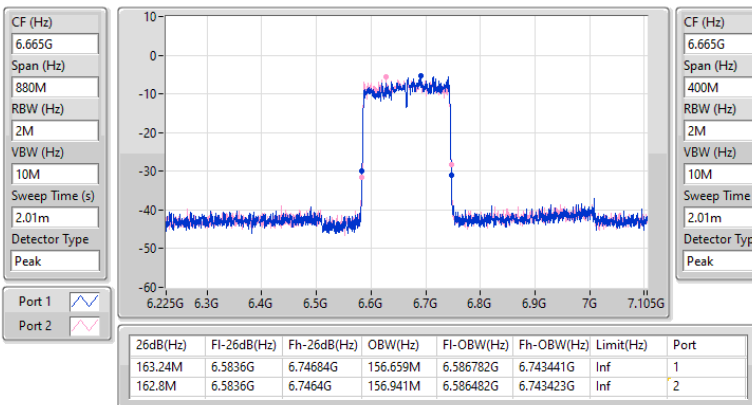


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
EBW
6345MHz

10/12/2024


6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
EBW
6665MHz

10/12/2024



Test Mode: Mode 2**Summary**

Mode	Max-N dB	Max-OBW	ITU-Code	Min-N dB	Min-OBW
	(Hz)	(Hz)		(Hz)	(Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	19.415M	18.046M	18M0D1D	19.195M	17.971M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX	19.305M	18.028M	18M0D1D	18.865M	17.583M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	19.415M	18.055M	18M1D1D	19.25M	17.996M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	19.305M	18.006M	18M0D1D	18.92M	17.635M

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

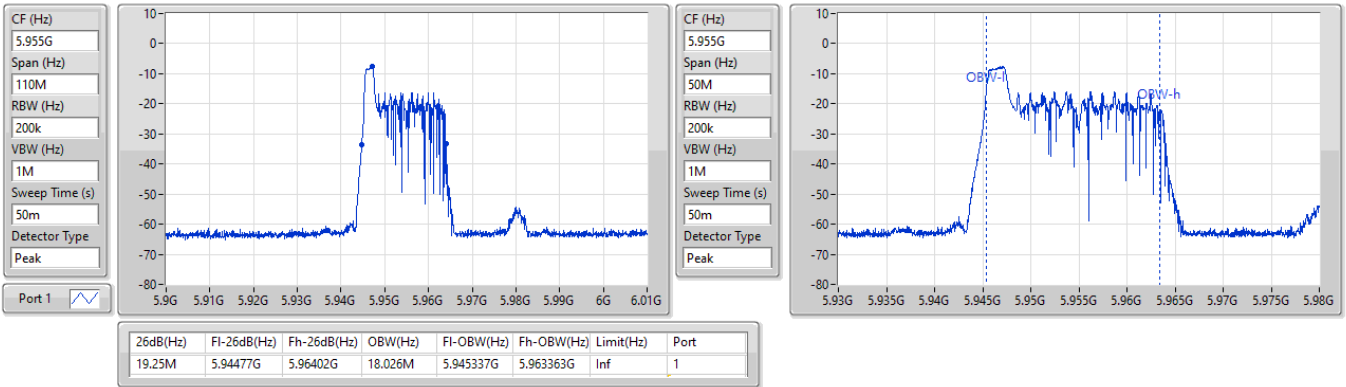
Mode	Result	Limit	Port 1-N dB	Port 1-OBW	Port 2-N dB	Port 2-OBW
		(Hz)	(Hz)	(Hz)	(Hz)	(Hz)
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-
5955MHz	Pass	Inf	19.25M	18.026M		
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-
5955MHz	Pass	Inf	19.195M	17.982M		
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-
5955MHz	Pass	Inf	19.415M	17.995M		
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-
6195MHz	Pass	Inf	19.305M	18.038M		
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-
6195MHz	Pass	Inf	19.195M	17.971M		
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-
6195MHz	Pass	Inf	19.36M	17.977M		
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-	-	-	-	-	-
6415MHz	Pass	Inf	19.25M	18.007M		
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	-	-	-	-	-	-
6415MHz	Pass	Inf	19.305M	18.046M		
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-	-	-	-	-	-
6415MHz	Pass	Inf	19.305M	18.023M		
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-
6535MHz	Pass	Inf	19.25M	18.031M		
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-
6535MHz	Pass	Inf	19.25M	17.999M		
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-
6535MHz	Pass	Inf	19.415M	18.015M		
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-
6695MHz	Pass	Inf	19.25M	18.055M		
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-
6695MHz	Pass	Inf	19.25M	17.996M		
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-
6695MHz	Pass	Inf	19.36M	18.007M		
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-	-	-	-	-	-
6855MHz	Pass	Inf	19.25M	18.053M		
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	-	-	-	-	-	-
6855MHz	Pass	Inf	19.305M	18.051M		
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-	-	-	-	-	-
6855MHz	Pass	Inf	19.36M	18.023M		
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	19.14M	17.618M	18.865M	17.739M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	19.14M	17.987M	19.195M	17.976M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	19.195M	17.999M	19.25M	17.998M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-
6195MHz	Pass	Inf	19.085M	17.759M	19.03M	17.883M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-
6195MHz	Pass	Inf	19.14M	17.995M	19.25M	17.991M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-
6195MHz	Pass	Inf	19.195M	18.002M	19.195M	18.003M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX	-	-	-	-	-	-
6415MHz	Pass	Inf	19.03M	17.583M	19.195M	17.796M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX	-	-	-	-	-	-
6415MHz	Pass	Inf	19.195M	17.988M	19.305M	18.015M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	-	-	-	-	-	-
6415MHz	Pass	Inf	19.195M	17.996M	19.305M	18.028M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-

6535MHz	Pass	Inf	19.14M	17.7M	18.92M	17.813M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-
6535MHz	Pass	Inf	19.195M	17.971M	19.195M	17.985M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-
6535MHz	Pass	Inf	19.195M	17.984M	19.25M	17.994M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-
6695MHz	Pass	Inf	19.195M	17.635M	19.195M	17.831M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-
6695MHz	Pass	Inf	19.14M	17.975M	19.25M	17.988M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-
6695MHz	Pass	Inf	19.195M	17.994M	19.25M	18M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX	-	-	-	-	-	-
6855MHz	Pass	Inf	19.14M	17.646M	19.03M	17.728M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX	-	-	-	-	-	-
6855MHz	Pass	Inf	19.195M	17.98M	19.25M	17.994M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	-	-	-	-	-	-
6855MHz	Pass	Inf	19.195M	17.977M	19.305M	18.006M

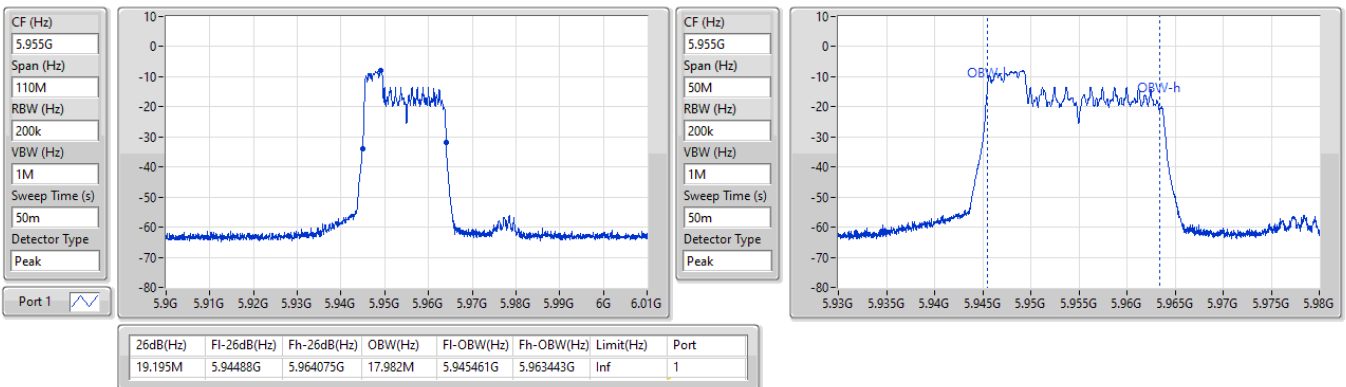
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX
EBW
5955MHz

10/12/2024

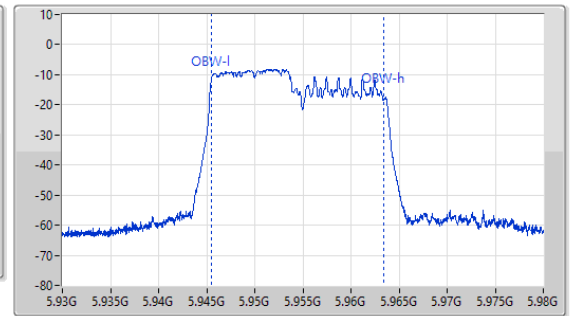
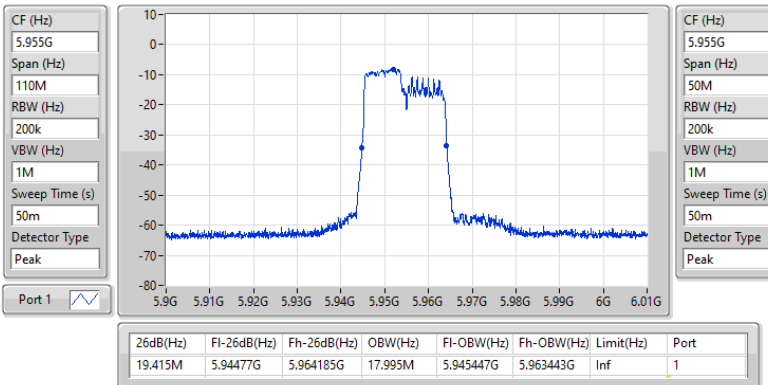

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX
EBW
5955MHz

10/12/2024

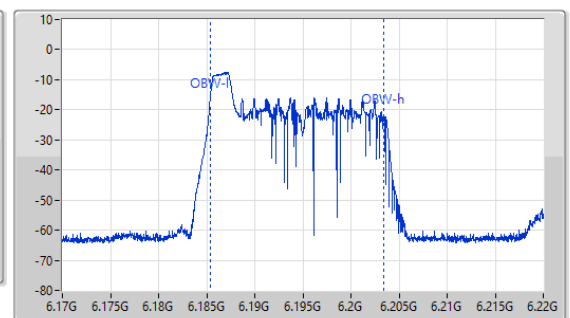
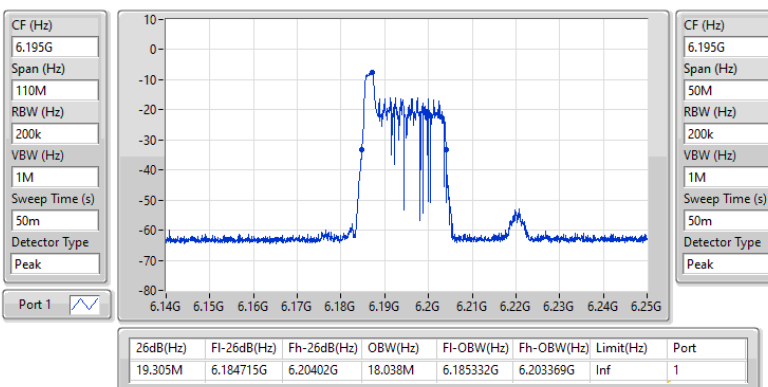


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX
EBW
5955MHz

10/12/2024


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX
EBW
6195MHz

10/12/2024

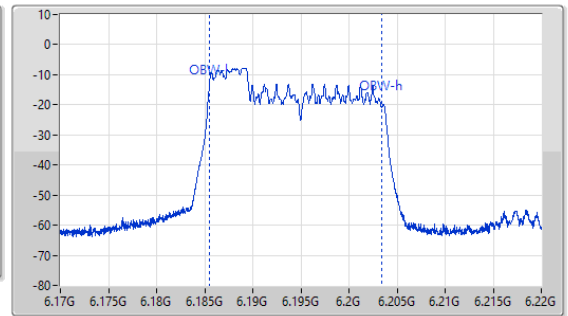
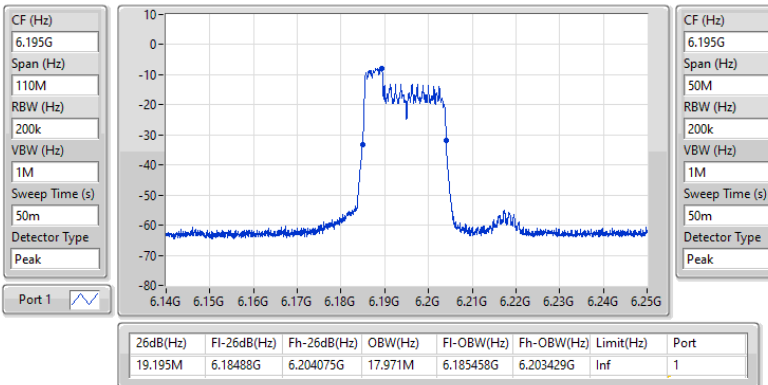


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX

EBW

6195MHz

10/12/2024

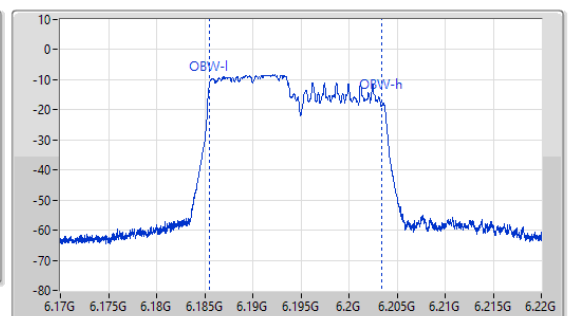
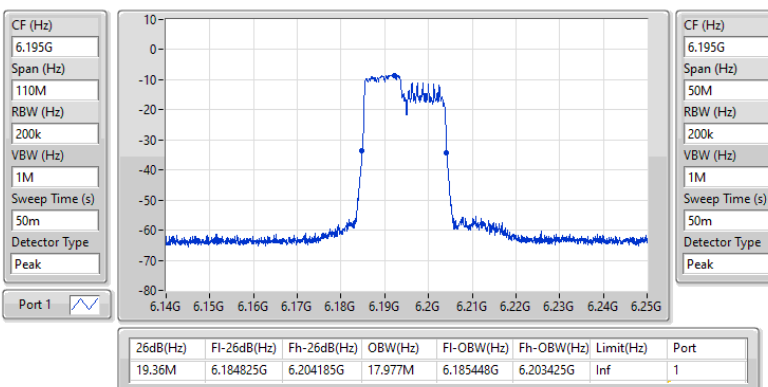


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX

EBW

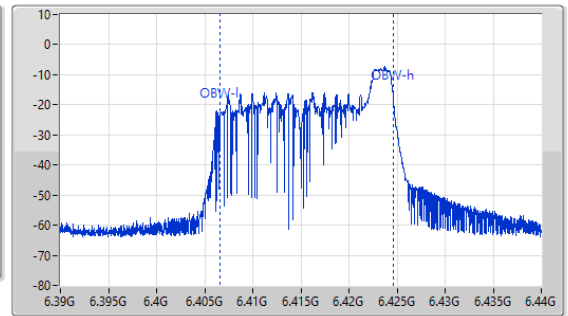
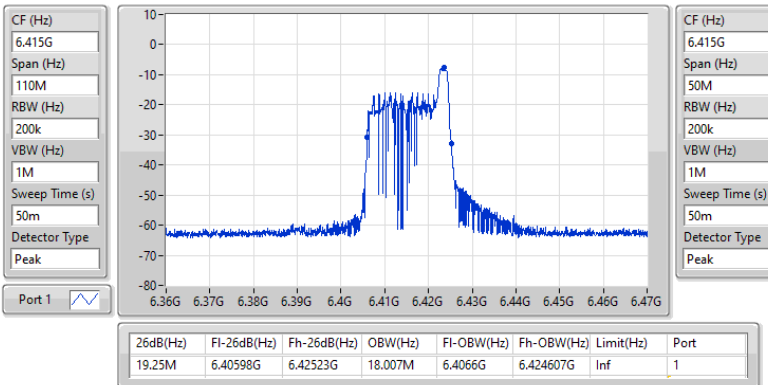
6195MHz

10/12/2024

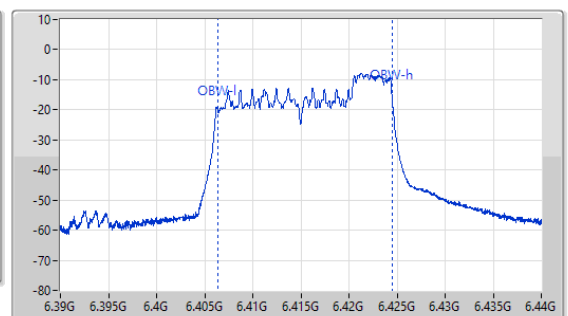
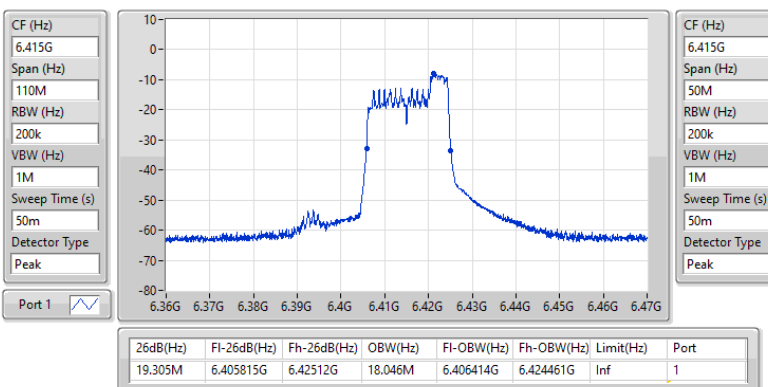


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX
EBW
6415MHz

10/12/2024

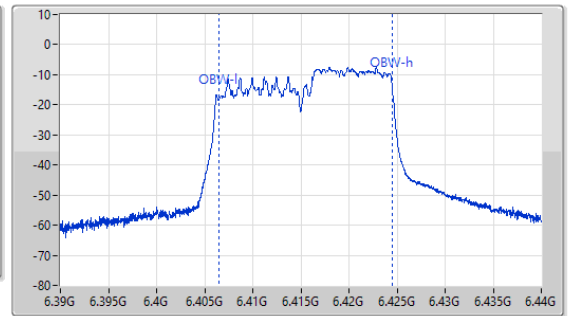
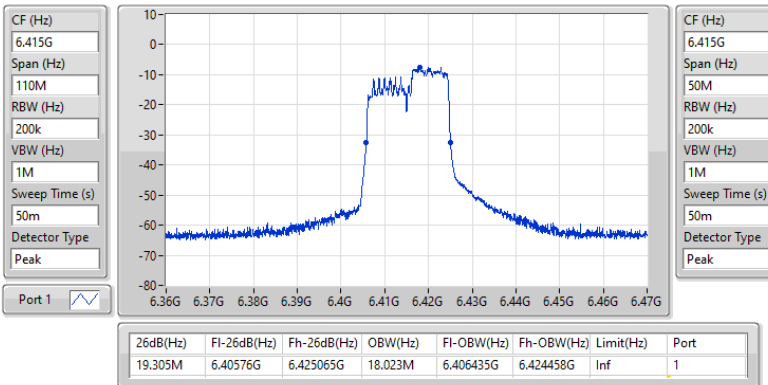

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX
EBW
6415MHz

10/12/2024

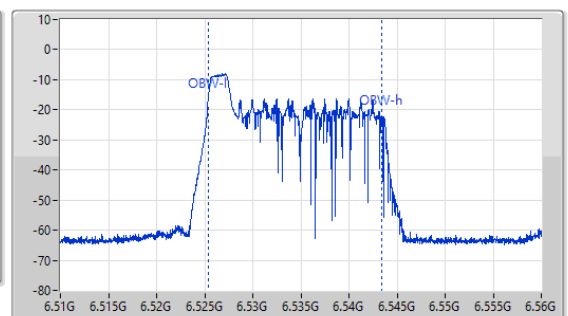
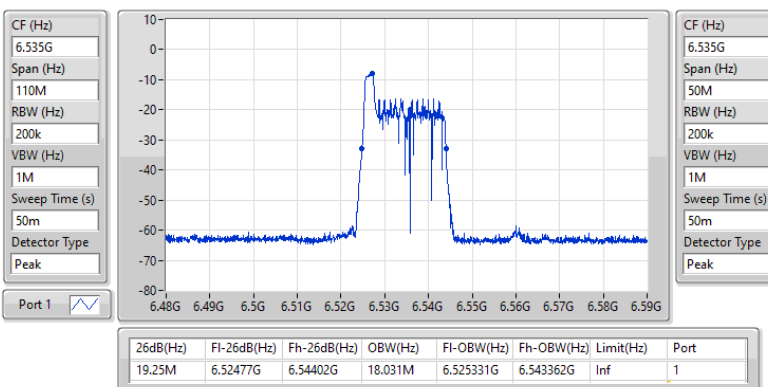


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX
EBW
6415MHz

10/12/2024

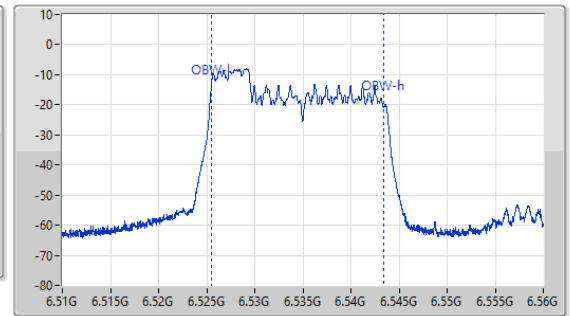
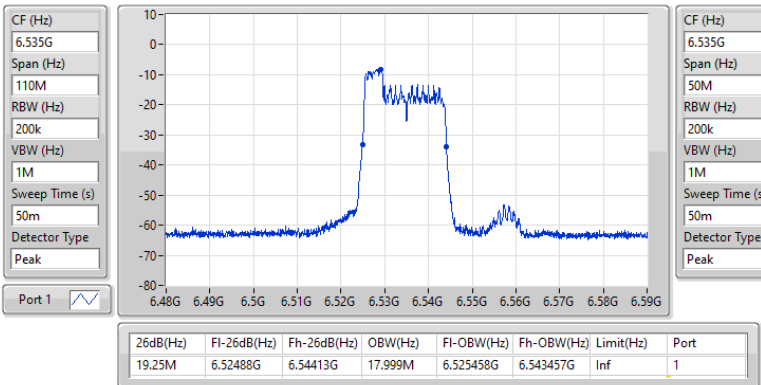

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX
EBW
6535MHz

10/12/2024

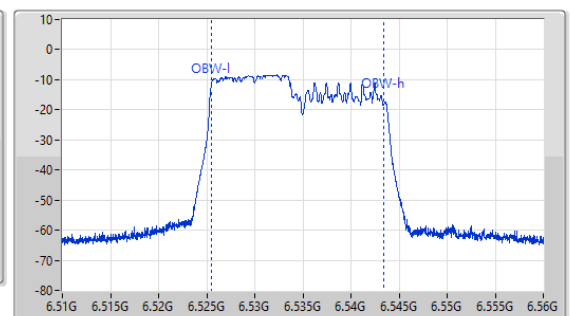
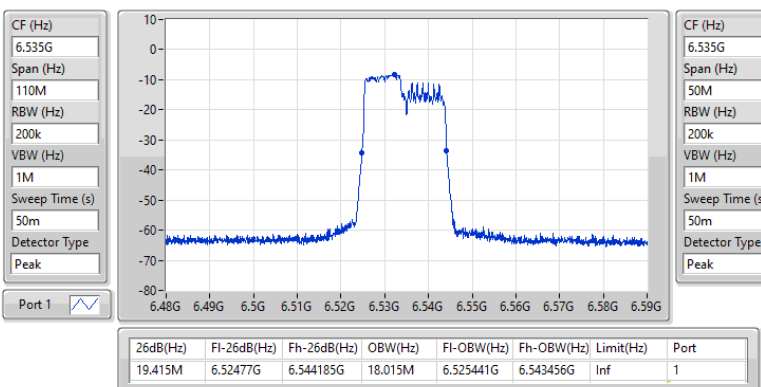


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX
EBW
6535MHz

10/12/2024

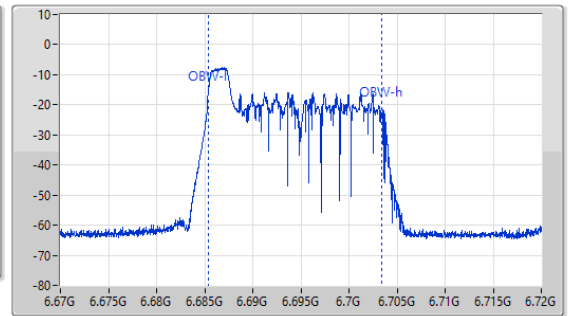
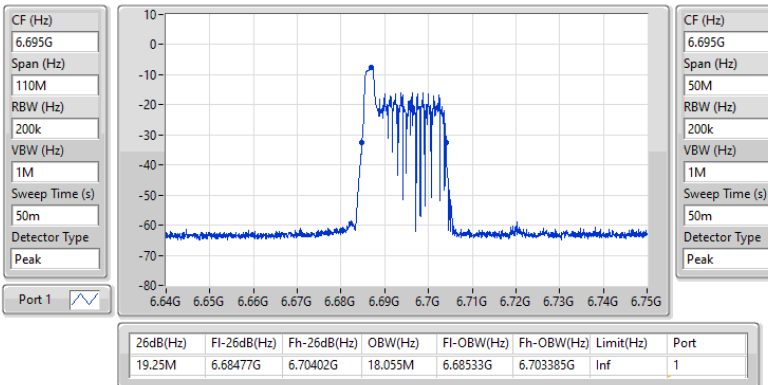

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX
EBW
6535MHz

10/12/2024

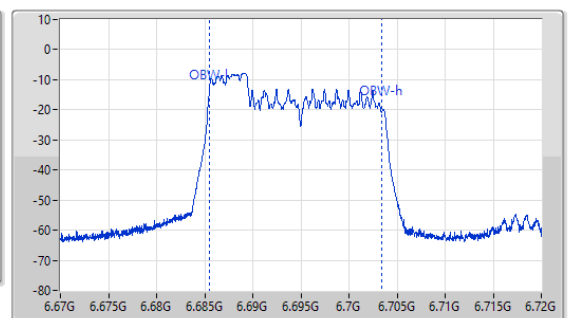
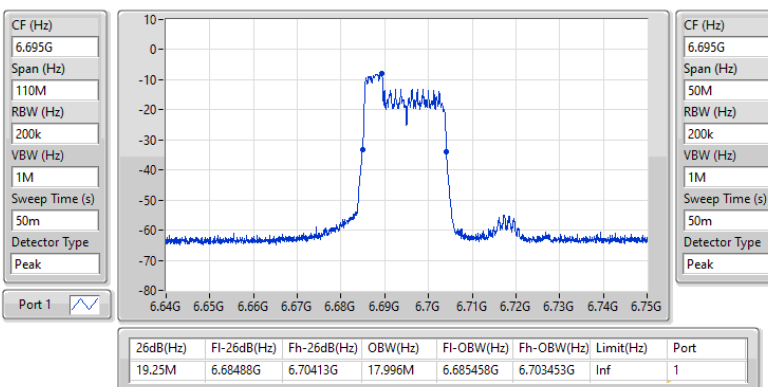


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX
EBW
6695MHz

10/12/2024


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX
EBW
6695MHz

10/12/2024

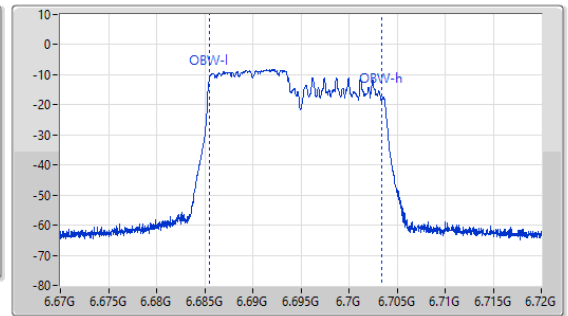
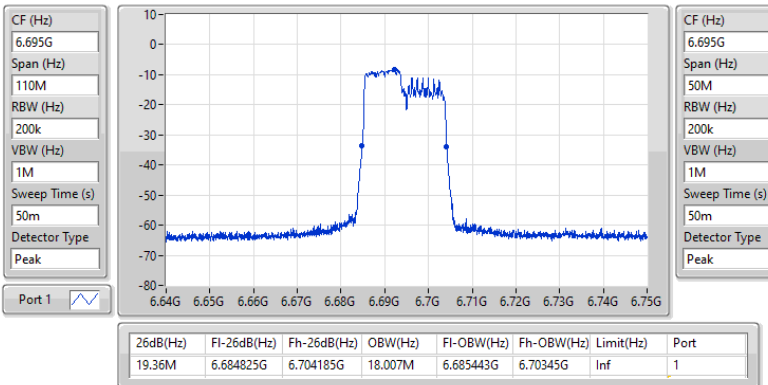


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX

EBW

6695MHz

10/12/2024

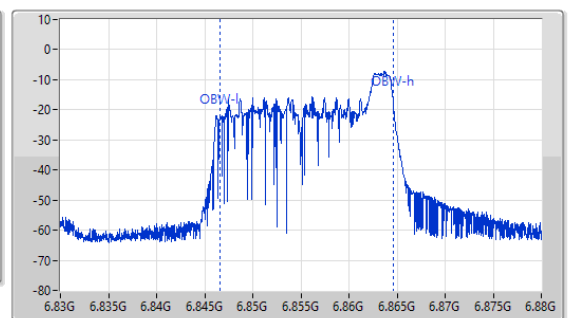
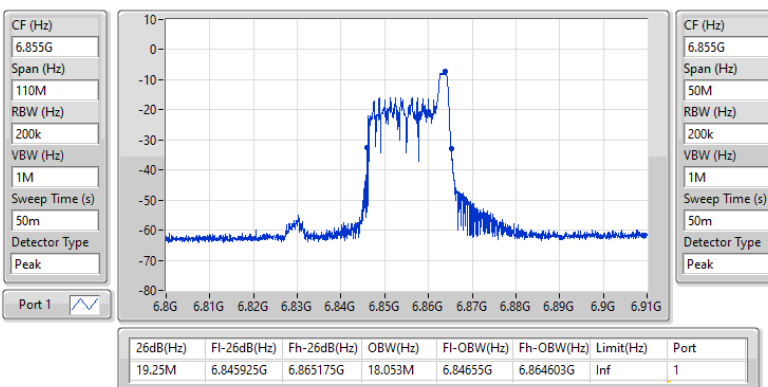


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX

EBW

6855MHz

10/12/2024

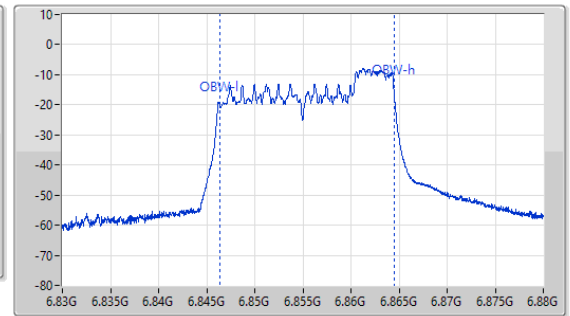
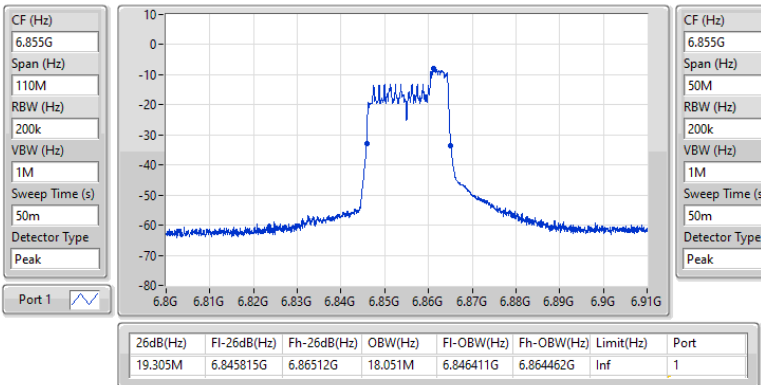


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX

EBW

6855MHz

10/12/2024

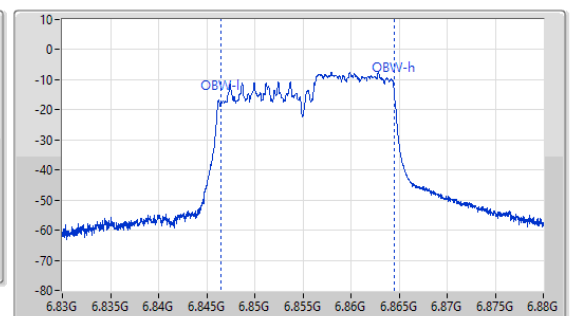
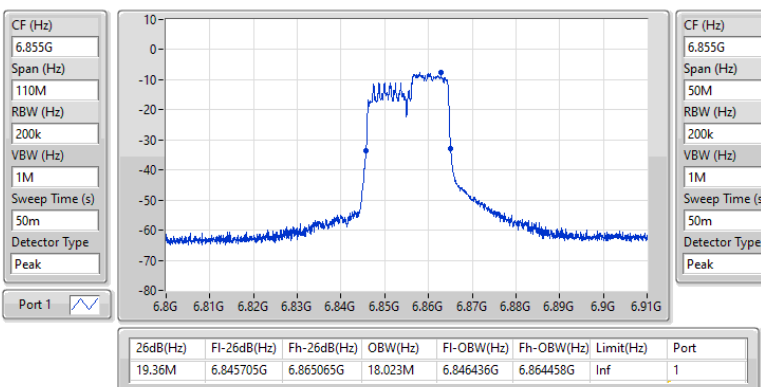


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX

EBW

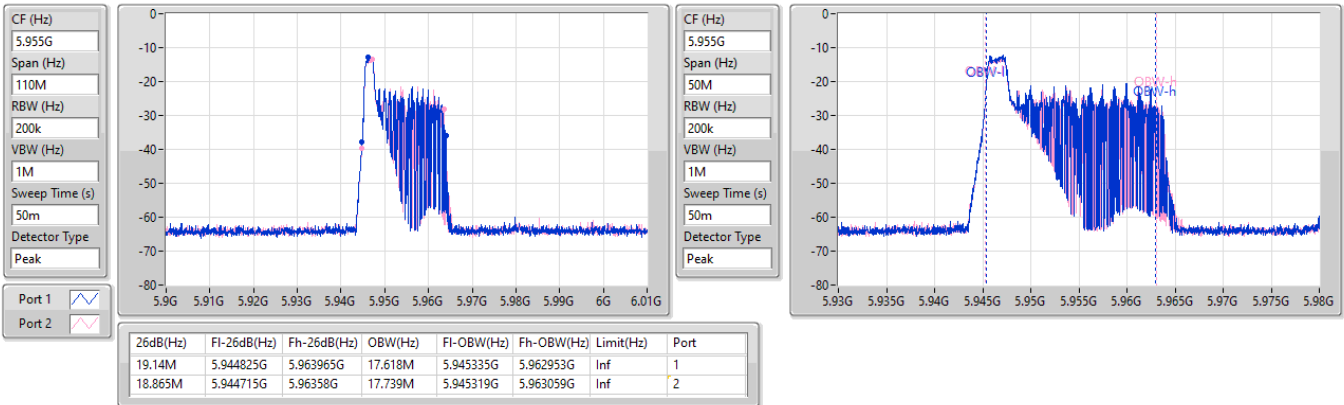
6855MHz

10/12/2024

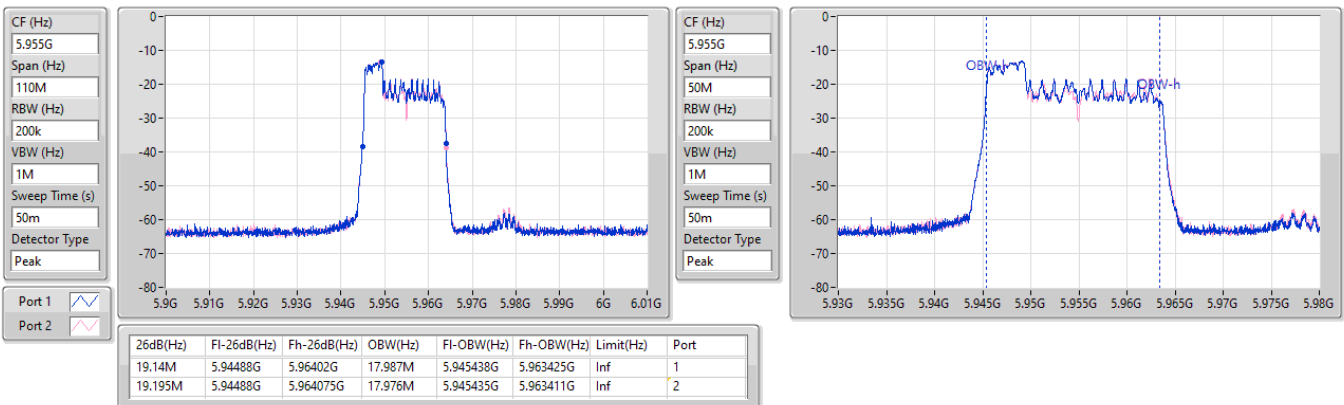


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX
EBW
5955MHz

10/12/2024


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX
EBW
5955MHz

10/12/2024

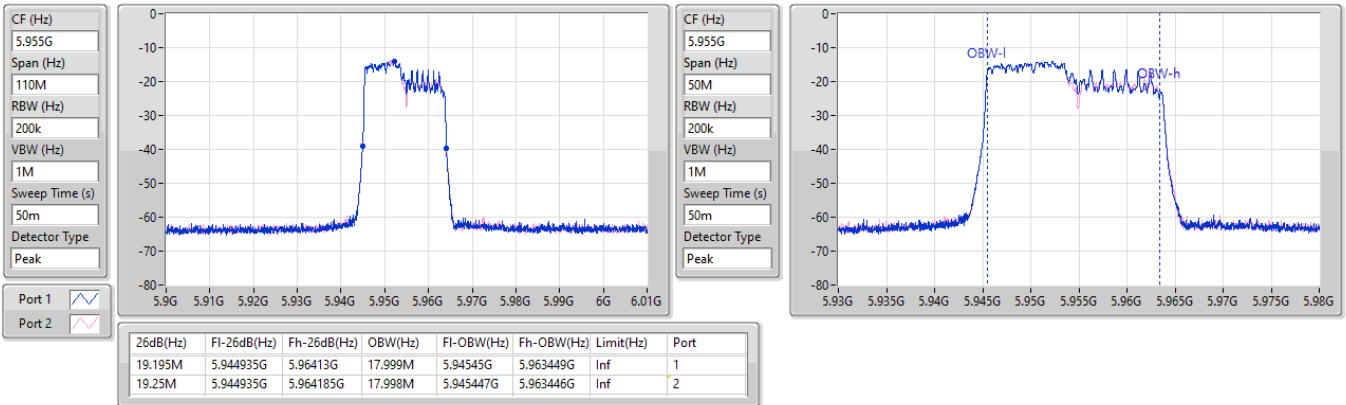


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX

EBW

5955MHz

10/12/2024

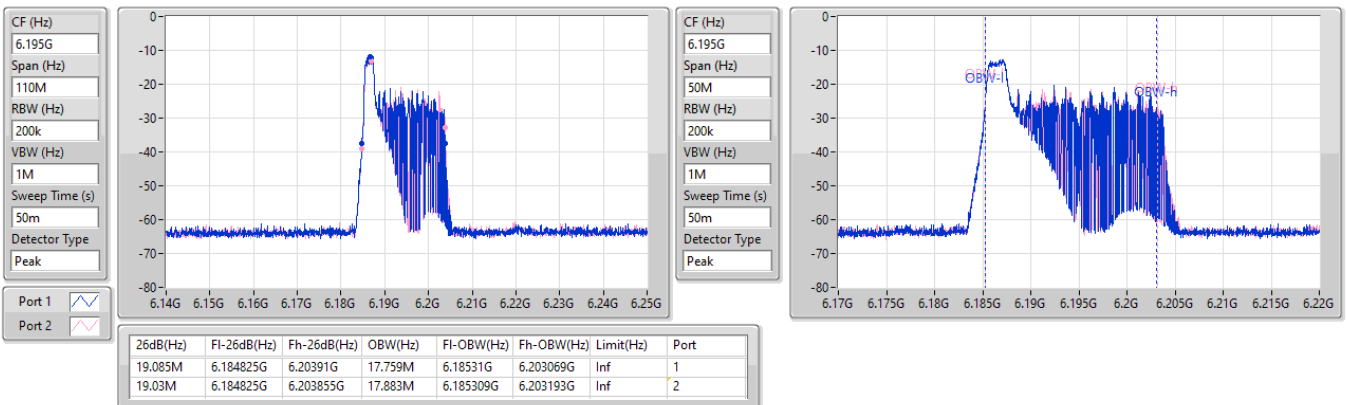


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX

EBW

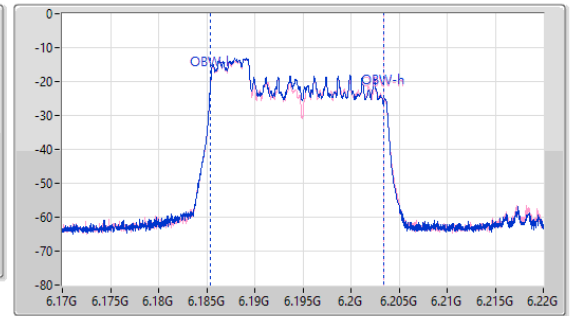
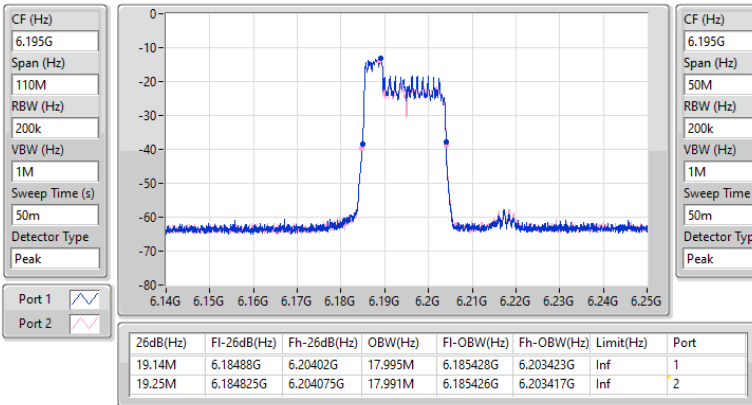
6195MHz

10/12/2024

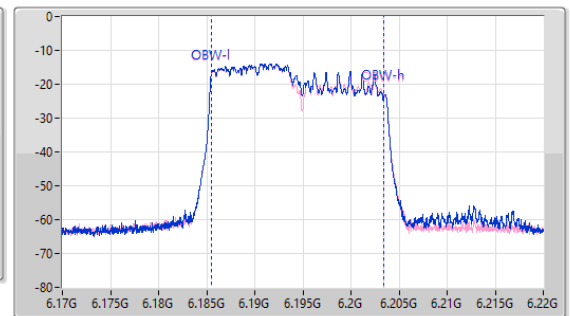
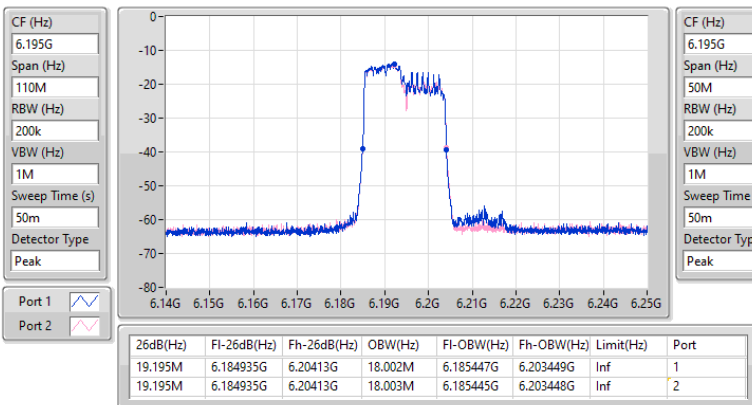


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX
EBW
6195MHz

10/12/2024

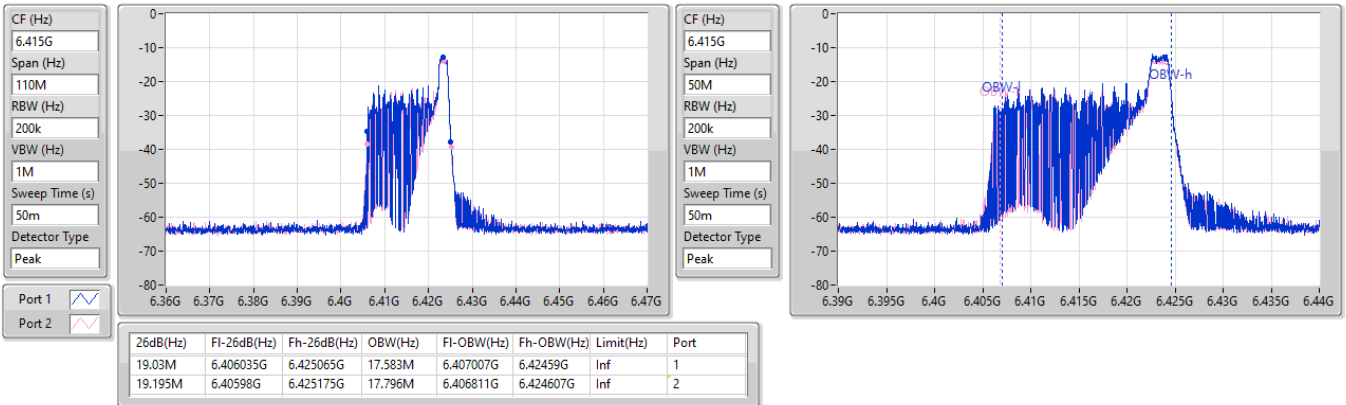

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX
EBW
6195MHz

10/12/2024

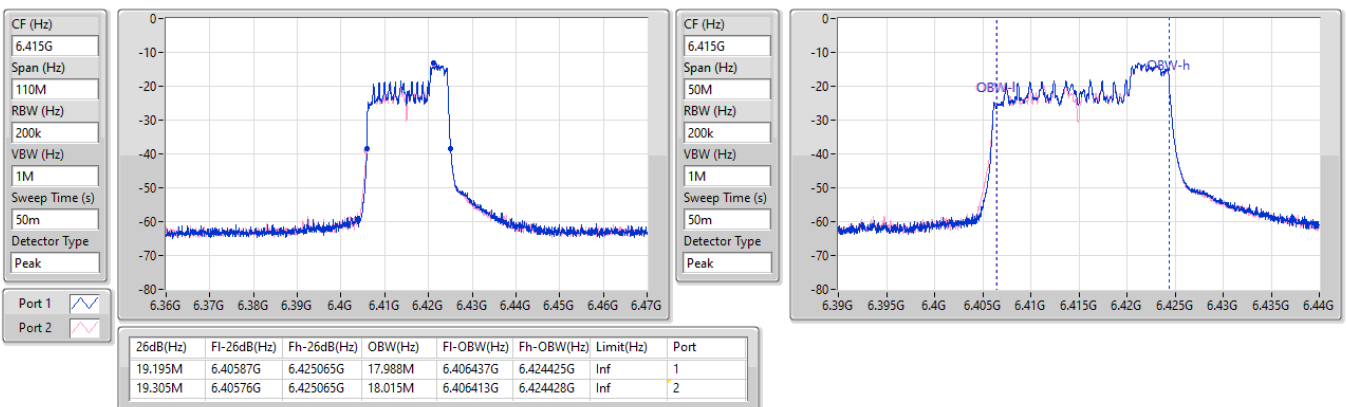


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX
EBW
6415MHz

10/12/2024

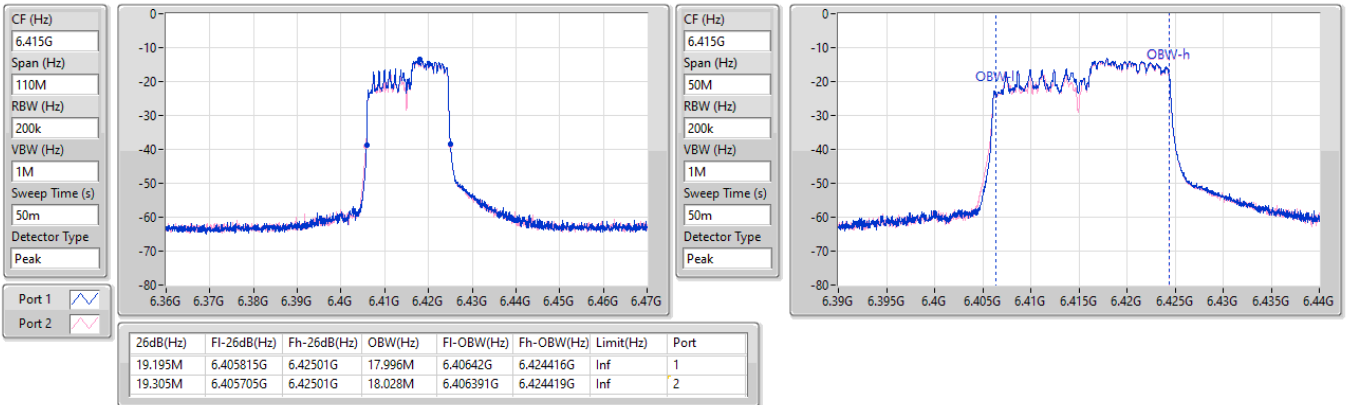

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX
EBW
6415MHz

10/12/2024

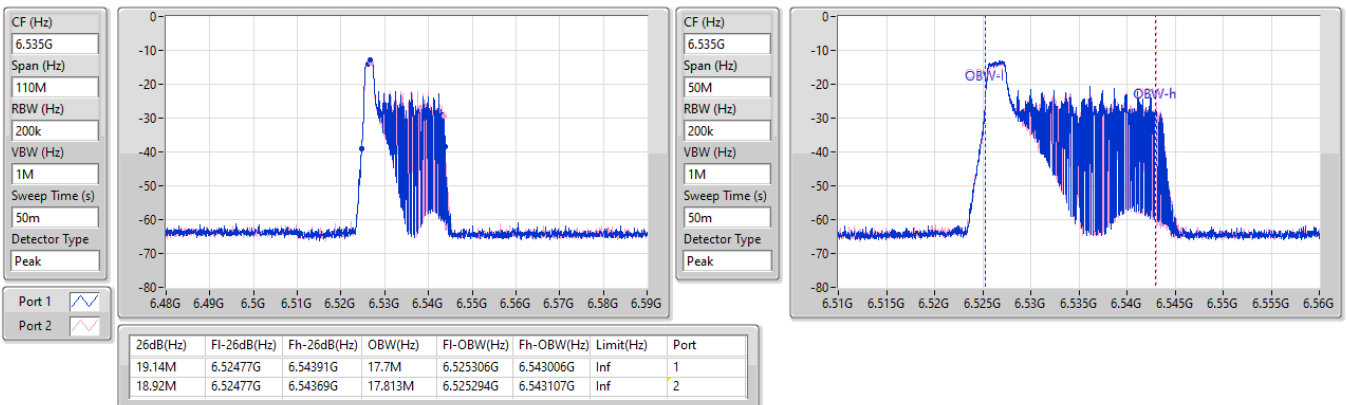


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EBW
6415MHz

10/12/2024

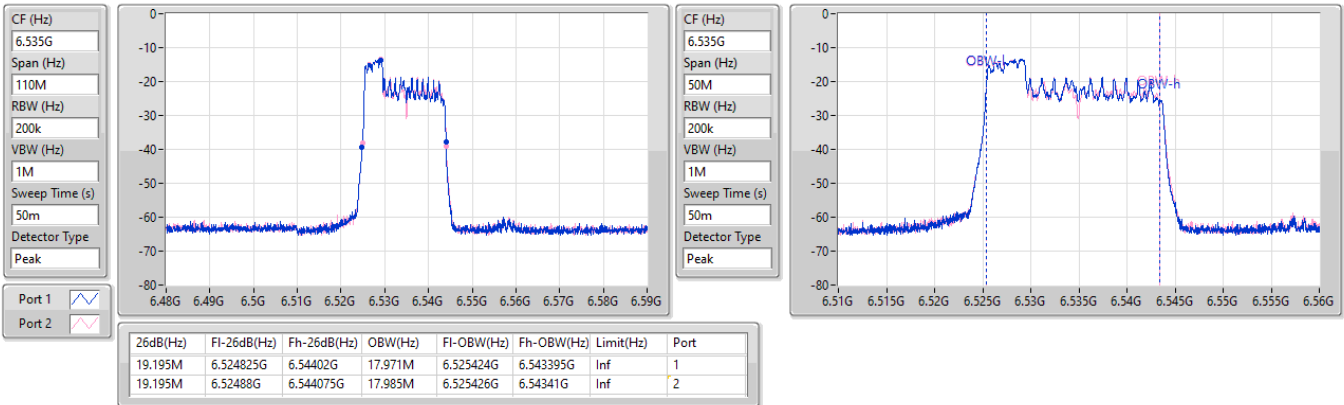

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX
EBW
6535MHz

10/12/2024

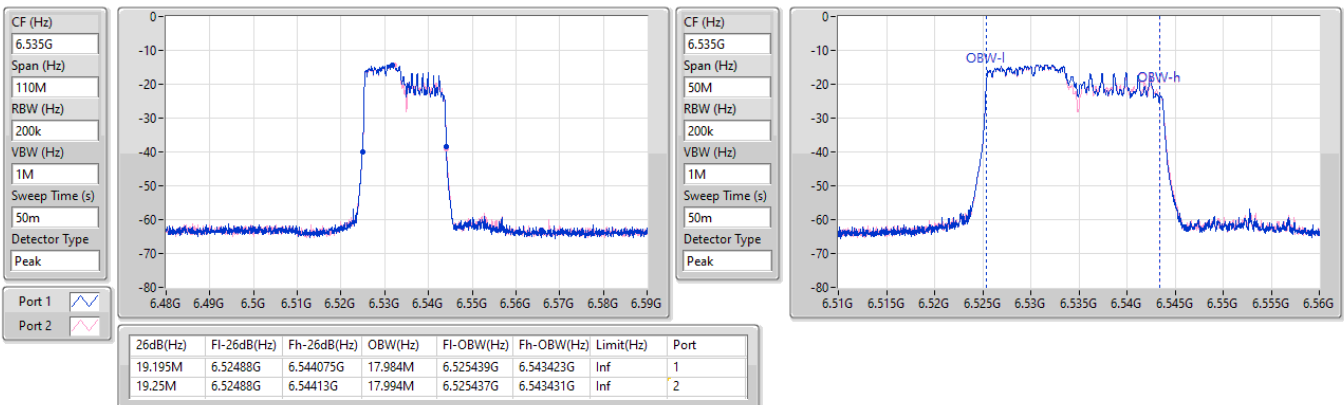


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX
EBW
6535MHz

10/12/2024


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX
EBW
6535MHz

10/12/2024

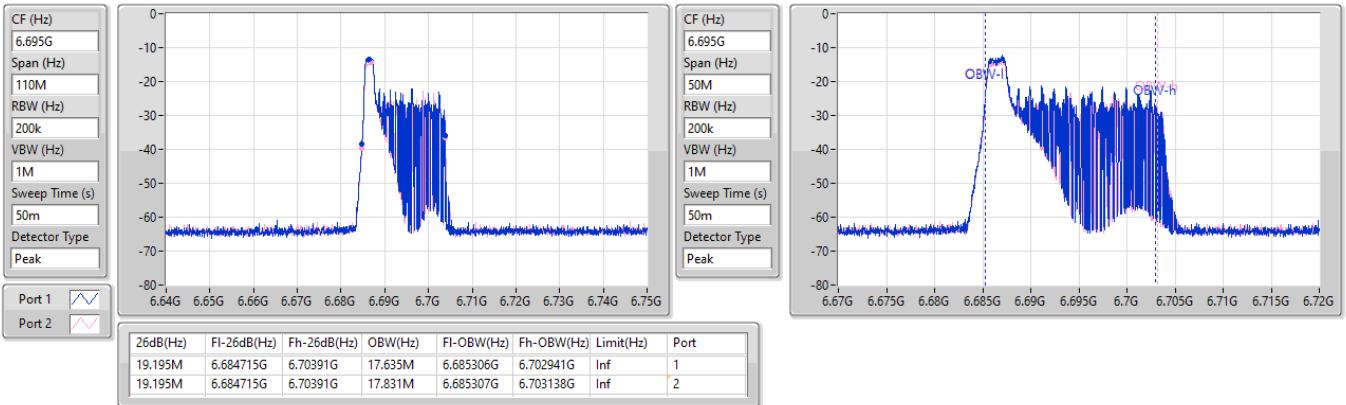


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX

EBW

6695MHz

10/12/2024

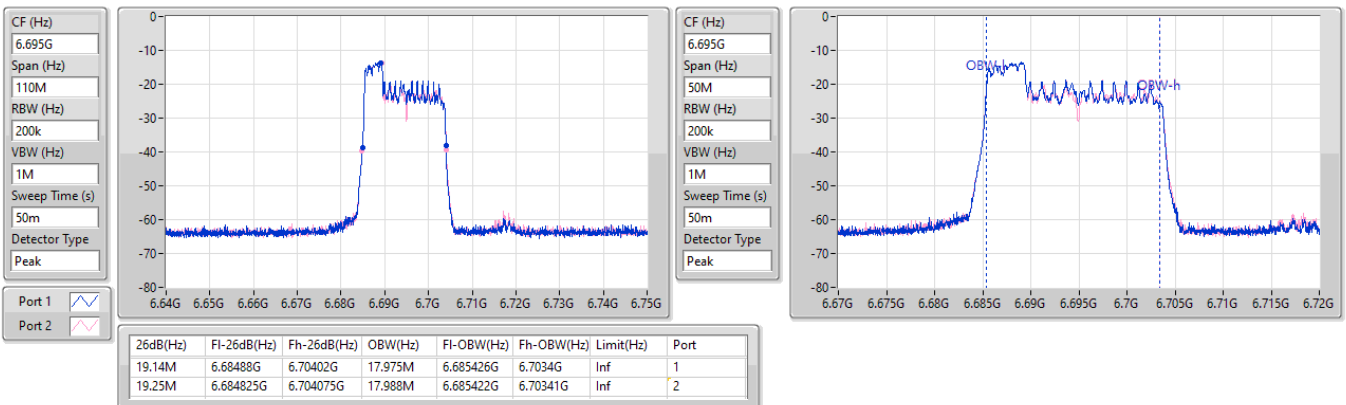


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX

EBW

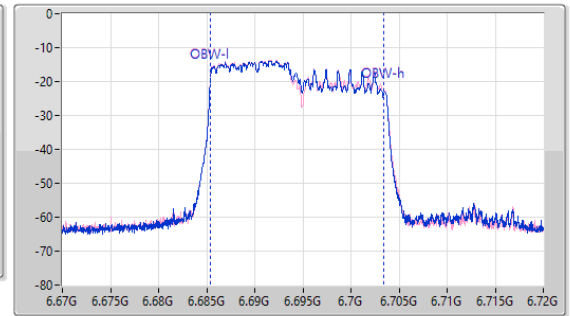
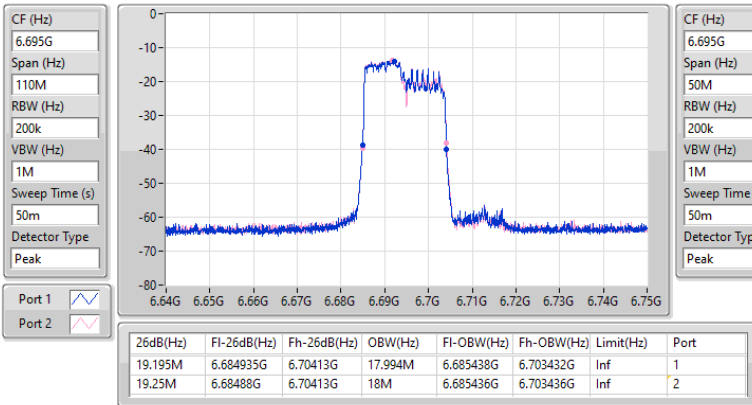
6695MHz

10/12/2024

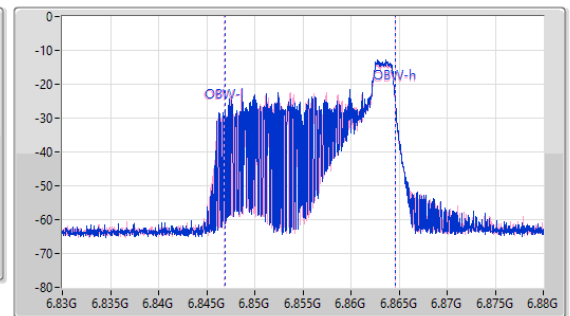
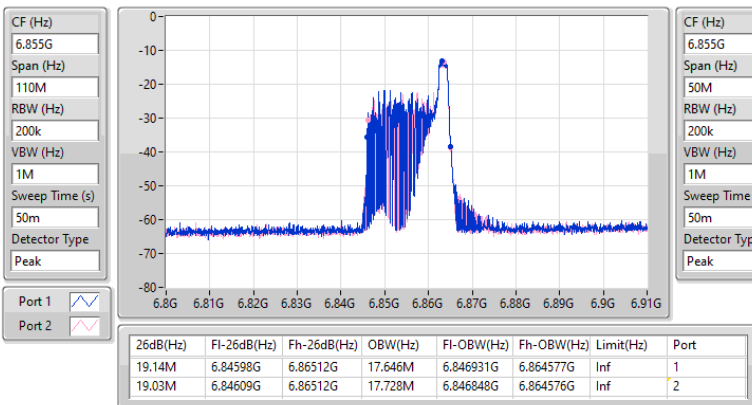


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX
EBW
6695MHz

10/12/2024


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX
EBW
6855MHz

10/12/2024

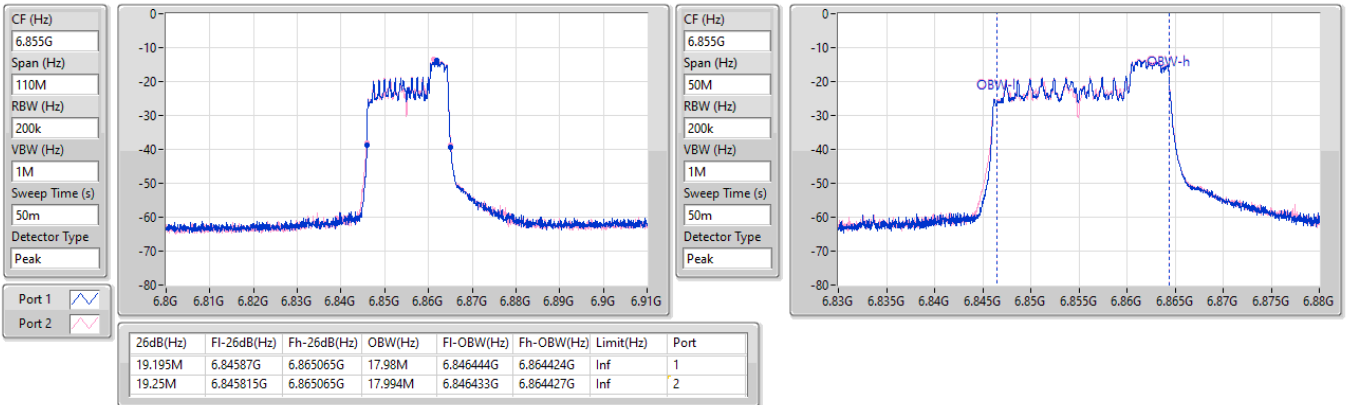


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX

EBW

6855MHz

10/12/2024

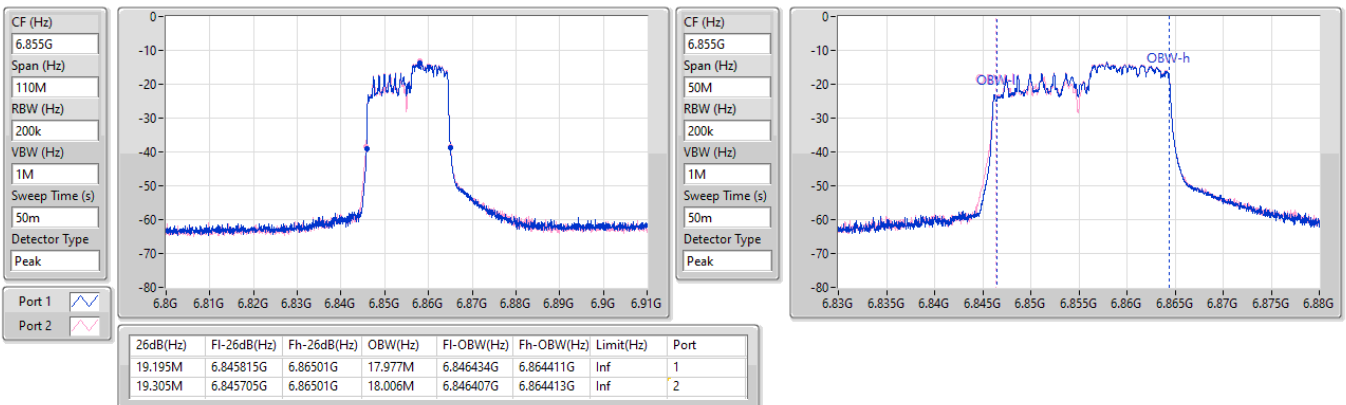


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX

EBW

6855MHz

10/12/2024



Test Mode: Mode 1

Summary

Mode	Total Power	Total Power	EIRP	EIRP
	(dBm)	(W)	(dBm)	(W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	3.40	0.00219	8.40	0.00692
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.32	0.00108	8.33	0.00681
802.11ax HEW40_Nss1,(MCS0)_1TX	6.39	0.00436	11.39	0.01377
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	3.37	0.00217	11.38	0.01374
802.11ax HEW80_Nss1,(MCS0)_1TX	8.79	0.00757	13.79	0.02393
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	5.85	0.00385	13.86	0.02432
802.11ax HEW160_Nss1,(MCS0)_1TX	8.86	0.00769	13.86	0.02432
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	5.86	0.00385	13.87	0.02438
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	3.48	0.00223	8.48	0.00705
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.48	0.00112	8.49	0.00706
802.11ax HEW40_Nss1,(MCS0)_1TX	6.43	0.00440	11.43	0.01390
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	3.34	0.00216	11.35	0.01365
802.11ax HEW80_Nss1,(MCS0)_1TX	8.70	0.00741	13.70	0.02344
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	5.69	0.00371	13.70	0.02344
802.11ax HEW160_Nss1,(MCS0)_1TX	8.94	0.00783	13.94	0.02477
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	5.83	0.00383	13.84	0.02421

Result

Mode	Result	DG	Port 1	Port 2	Total Power	EIRP	EIRP Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5955MHz	Pass	5.00	2.82		2.82	7.82	14.00
6195MHz	Pass	5.00	3.4		3.40	8.40	14.00
6415MHz	Pass	5.00	3.27		3.27	8.27	14.00
6535MHz	Pass	5.00	3.03		3.03	8.03	14.00
6695MHz	Pass	5.00	3.09		3.09	8.09	14.00
6855MHz	Pass	5.00	3.48		3.48	8.48	14.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5965MHz	Pass	5.00	6.39		6.39	11.39	14.00
6205MHz	Pass	5.00	6.22		6.22	11.22	14.00
6405MHz	Pass	5.00	6.23		6.23	11.23	14.00
6565MHz	Pass	5.00	6.43		6.43	11.43	14.00
6685MHz	Pass	5.00	6.41		6.41	11.41	14.00
6845MHz	Pass	5.00	6.18		6.18	11.18	14.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5985MHz	Pass	5.00	8.64		8.64	13.64	14.00
6225MHz	Pass	5.00	8.69		8.69	13.69	14.00
6385MHz	Pass	5.00	8.79		8.79	13.79	14.00
6625MHz	Pass	5.00	8.68		8.68	13.68	14.00
6705MHz	Pass	5.00	8.62		8.62	13.62	14.00
6785MHz	Pass	5.00	8.7		8.70	13.70	14.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
6025MHz	Pass	5.00	8.62		8.62	13.62	14.00
6185MHz	Pass	5.00	8.81		8.81	13.81	14.00
6345MHz	Pass	5.00	8.86		8.86	13.86	14.00
6665MHz	Pass	5.00	8.94		8.94	13.94	14.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5955MHz	Pass	8.01	-2.53	-2.85	0.32	8.33	14.00
6195MHz	Pass	8.01	-2.69	-2.72	0.31	8.32	14.00
6415MHz	Pass	8.01	-2.8	-2.91	0.16	8.17	14.00
6535MHz	Pass	8.01	-2.51	-2.56	0.48	8.49	14.00
6695MHz	Pass	8.01	-2.71	-2.8	0.26	8.27	14.00
6855MHz	Pass	8.01	-3.02	-3.34	-0.17	7.84	14.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5965MHz	Pass	8.01	0.19	0.37	3.29	11.30	14.00
6205MHz	Pass	8.01	0.3	0.42	3.37	11.38	14.00
6405MHz	Pass	8.01	0.26	0.16	3.22	11.23	14.00
6565MHz	Pass	8.01	0.32	0.21	3.28	11.29	14.00
6685MHz	Pass	8.01	0.45	0.12	3.30	11.31	14.00
6845MHz	Pass	8.01	0.37	0.29	3.34	11.35	14.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5985MHz	Pass	8.01	2.55	2.62	5.60	13.61	14.00
6225MHz	Pass	8.01	2.82	2.76	5.80	13.81	14.00
6385MHz	Pass	8.01	2.87	2.8	5.85	13.86	14.00
6625MHz	Pass	8.01	2.84	2.51	5.69	13.70	14.00
6705MHz	Pass	8.01	2.61	2.45	5.54	13.55	14.00
6785MHz	Pass	8.01	2.68	2.52	5.61	13.62	14.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
6025MHz	Pass	8.01	2.65	2.43	5.55	13.56	14.00
6185MHz	Pass	8.01	2.8	2.9	5.86	13.87	14.00
6345MHz	Pass	8.01	2.96	2.7	5.84	13.85	14.00
6665MHz	Pass	8.01	2.8	2.84	5.83	13.84	14.00

DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

Test Mode: Mode 2**Summary**

Mode	Total Power	Total Power	EIRP	EIRP
	(dBm)	(W)	(dBm)	(W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-0.35	0.00092	4.65	0.00292
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	-3.45	0.00045	1.55	0.00143
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-0.30	0.00093	4.70	0.00295
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-3.17	0.00048	1.83	0.00152

**Result**

Mode	Result	DG	Port 1	Port 2	Total Power	Power Limit	EIRP	EIRP Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.00	-5.92		-5.92	Inf	-0.92	14.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.00	-3.41		-3.41	Inf	1.59	14.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.00	-0.35		-0.35	Inf	4.65	14.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-	-	-
6195MHz	Pass	5.00	-5.98		-5.98	Inf	-0.98	14.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-	-	-
6195MHz	Pass	5.00	-3.14		-3.14	Inf	1.86	14.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-	-	-
6195MHz	Pass	5.00	-0.43		-0.43	Inf	4.57	14.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-	-	-	-	-	-	-	-
6415MHz	Pass	5.00	-6.06		-6.06	Inf	-1.06	14.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	-	-	-	-	-	-	-	-
6415MHz	Pass	5.00	-3.13		-3.13	Inf	1.87	14.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-	-	-	-	-	-	-	-
6415MHz	Pass	5.00	-0.37		-0.37	Inf	4.63	14.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-	-	-
6535MHz	Pass	5.00	-6.02		-6.02	Inf	-1.02	14.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-	-	-
6535MHz	Pass	5.00	-3.41		-3.41	Inf	1.59	14.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-	-	-
6535MHz	Pass	5.00	-0.30		-0.30	Inf	4.70	14.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-	-	-
6695MHz	Pass	5.00	-6.03		-6.03	Inf	-1.03	14.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-	-	-
6695MHz	Pass	5.00	-3.19		-3.19	Inf	1.81	14.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-	-	-
6695MHz	Pass	5.00	-0.32		-0.32	Inf	4.68	14.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-	-	-	-	-	-	-	-
6855MHz	Pass	5.00	-5.98		-5.98	Inf	-0.98	14.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	-	-	-	-	-	-	-	-
6855MHz	Pass	5.00	-3.08		-3.08	Inf	1.92	14.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-	-	-	-	-	-	-	-
6855MHz	Pass	5.00	-0.36		-0.36	Inf	4.64	14.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.00	-11.67	-11.88	-8.76	Inf	-3.76	14.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.00	-8.84	-8.96	-5.89	Inf	-0.89	14.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.00	-6.62	-6.54	-3.57	Inf	1.43	14.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-	-	-
6195MHz	Pass	5.00	-11.75	-11.64	-8.68	Inf	-3.68	14.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-	-	-
6195MHz	Pass	5.00	-8.91	-8.75	-5.82	Inf	-0.82	14.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-	-	-
6195MHz	Pass	5.00	-6.38	-6.62	-3.49	Inf	1.51	14.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX	-	-	-	-	-	-	-	-
6415MHz	Pass	5.00	-12.07	-12.19	-9.12	Inf	-4.12	14.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX	-	-	-	-	-	-	-	-
6415MHz	Pass	5.00	-8.67	-8.53	-5.59	Inf	-0.59	14.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	-	-	-	-	-	-	-	-
6415MHz	Pass	5.00	-6.37	-6.56	-3.45	Inf	1.55	14.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-	-	-

6535MHz	Pass	5.00	-11.48	-11.62	-8.54	Inf	-3.54	14.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-	-	-
6535MHz	Pass	5.00	-8.81	-8.89	-5.84	Inf	-0.84	14.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-	-	-
6535MHz	Pass	5.00	-6.42	-6.48	-3.44	Inf	1.56	14.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-	-	-
6695MHz	Pass	5.00	-12.55	-12.31	-9.42	Inf	-4.42	14.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-	-	-
6695MHz	Pass	5.00	-9.08	-8.87	-5.96	Inf	-0.96	14.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-	-	-
6695MHz	Pass	5.00	-6.32	-6.05	-3.17	Inf	1.83	14.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX	-	-	-	-	-	-	-	-
6855MHz	Pass	5.00	-11.43	-11.36	-8.38	Inf	-3.38	14.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX	-	-	-	-	-	-	-	-
6855MHz	Pass	5.00	-8.73	-8.57	-5.64	Inf	-0.64	14.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	-	-	-	-	-	-	-	-
6855MHz	Pass	5.00	-6.30	-6.11	-3.19	Inf	1.81	14.00

DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.



Transmit Power Control Result

Appendix C

TPC Test Result											
Band	Mode	Frequency (MHz)	BW (MHz)	RSSI	DG (dBi)	Power Density(dBm/MHz)			Delta (dB)	Limit (dB)	Result
						Chain 1	Chain 2	Total			
UNII 5	802.11ax	6185	160	High	8.01	-27.45	-28.03	-16.71	8.10	≥ 6	Pass
				Low		-19.07	-20.28	-8.61			

Test Mode: Mode 1
Summary

Mode	PD	EIRP PD
	(dBm/RBW)	(dBm/RBW)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	-10.03	-5.03
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-13.19	-5.18
802.11ax HEW40_Nss1,(MCS0)_1TX	-10.10	-5.10
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-13.25	-5.24
802.11ax HEW80_Nss1,(MCS0)_1TX	-10.62	-5.62
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-13.71	-5.70
802.11ax HEW160_Nss1,(MCS0)_1TX	-12.77	-7.77
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-16.04	-8.03
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	-10.02	-5.02
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-13.08	-5.07
802.11ax HEW40_Nss1,(MCS0)_1TX	-10.20	-5.20
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-13.24	-5.23
802.11ax HEW80_Nss1,(MCS0)_1TX	-10.72	-5.72
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-13.60	-5.59
802.11ax HEW160_Nss1,(MCS0)_1TX	-12.91	-7.91
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-16.28	-8.27

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

Result

Mode	Result	DG	Port 1	Port 2	PD	EIRP PD	EIRP PD Limit
		(dBi)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5955MHz	Pass	5.00	-10.30		-10.30	-5.30	-5.00
6195MHz	Pass	5.00	-10.03		-10.03	-5.03	-5.00
6415MHz	Pass	5.00	-10.10		-10.10	-5.10	-5.00
6535MHz	Pass	5.00	-10.36		-10.36	-5.36	-5.00
6695MHz	Pass	5.00	-10.22		-10.22	-5.22	-5.00
6855MHz	Pass	5.00	-10.02		-10.02	-5.02	-5.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5965MHz	Pass	5.00	-10.10		-10.10	-5.10	-5.00
6205MHz	Pass	5.00	-10.38		-10.38	-5.38	-5.00
6405MHz	Pass	5.00	-10.31		-10.31	-5.31	-5.00
6565MHz	Pass	5.00	-10.30		-10.30	-5.30	-5.00
6685MHz	Pass	5.00	-10.20		-10.20	-5.20	-5.00
6845MHz	Pass	5.00	-10.26		-10.26	-5.26	-5.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5985MHz	Pass	5.00	-11.01		-11.01	-6.01	-5.00
6225MHz	Pass	5.00	-10.64		-10.64	-5.64	-5.00
6385MHz	Pass	5.00	-10.62		-10.62	-5.62	-5.00
6625MHz	Pass	5.00	-10.72		-10.72	-5.72	-5.00
6705MHz	Pass	5.00	-10.78		-10.78	-5.78	-5.00
6785MHz	Pass	5.00	-10.87		-10.87	-5.87	-5.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
6025MHz	Pass	5.00	-12.91		-12.91	-7.91	-5.00
6185MHz	Pass	5.00	-12.77		-12.77	-7.77	-5.00
6345MHz	Pass	5.00	-12.88		-12.88	-7.88	-5.00
6665MHz	Pass	5.00	-12.91		-12.91	-7.91	-5.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5955MHz	Pass	8.01	-16.26	-16.12	-13.19	-5.18	-5.00
6195MHz	Pass	8.01	-16.25	-16.17	-13.24	-5.23	-5.00
6415MHz	Pass	8.01	-16.31	-16.28	-13.35	-5.34	-5.00
6535MHz	Pass	8.01	-16.25	-16.14	-13.21	-5.20	-5.00
6695MHz	Pass	8.01	-16.01	-16.13	-13.08	-5.07	-5.00
6855MHz	Pass	8.01	-16.00	-16.67	-13.34	-5.33	-5.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5965MHz	Pass	8.01	-16.27	-16.20	-13.25	-5.24	-5.00
6205MHz	Pass	8.01	-16.32	-16.36	-13.38	-5.37	-5.00
6405MHz	Pass	8.01	-16.34	-16.47	-13.43	-5.42	-5.00
6565MHz	Pass	8.01	-16.32	-16.50	-13.43	-5.42	-5.00
6685MHz	Pass	8.01	-16.24	-16.49	-13.37	-5.36	-5.00
6845MHz	Pass	8.01	-15.93	-16.45	-13.24	-5.23	-5.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5985MHz	Pass	8.01	-16.87	-17.07	-14.07	-6.06	-5.00
6225MHz	Pass	8.01	-16.73	-16.72	-13.73	-5.72	-5.00
6385MHz	Pass	8.01	-16.77	-16.65	-13.71	-5.70	-5.00
6625MHz	Pass	8.01	-16.71	-16.72	-13.78	-5.77	-5.00
6705MHz	Pass	8.01	-16.81	-16.77	-13.84	-5.83	-5.00
6785MHz	Pass	8.01	-16.64	-16.55	-13.60	-5.59	-5.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
6025MHz	Pass	8.01	-19.12	-19.16	-16.19	-8.18	-5.00
6185MHz	Pass	8.01	-19.11	-19.02	-16.09	-8.08	-5.00
6345MHz	Pass	8.01	-19.01	-18.99	-16.04	-8.03	-5.00
6665MHz	Pass	8.01	-19.34	-19.14	-16.28	-8.27	-5.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmit port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

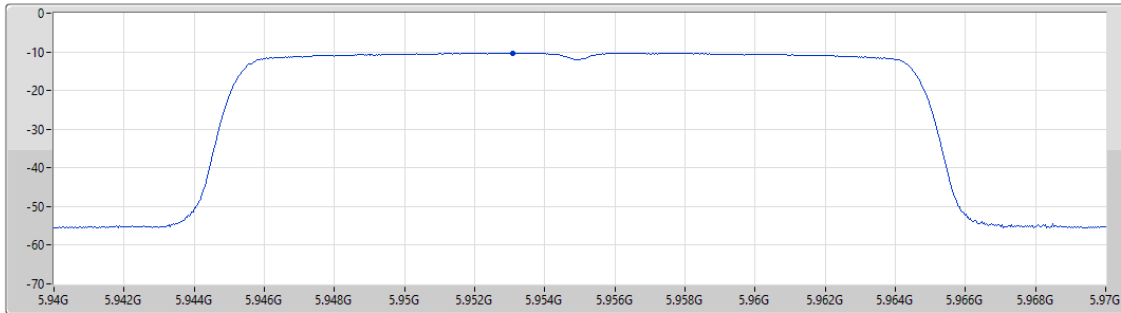
5.925-6.425GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

PSD

5955MHz

09/12/2024

CF (Hz)
5.955G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.30	-10.30	-10.30

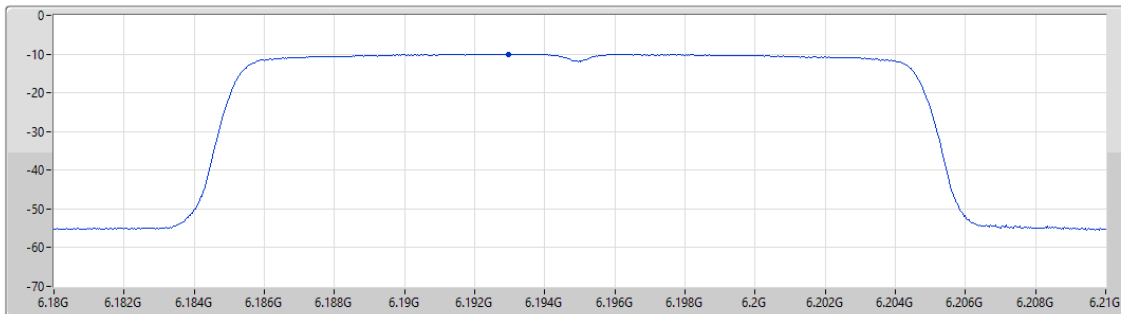
5.925-6.425GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

PSD

6195MHz

09/12/2024

CF (Hz)
6.195G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.03	-10.03	-10.03

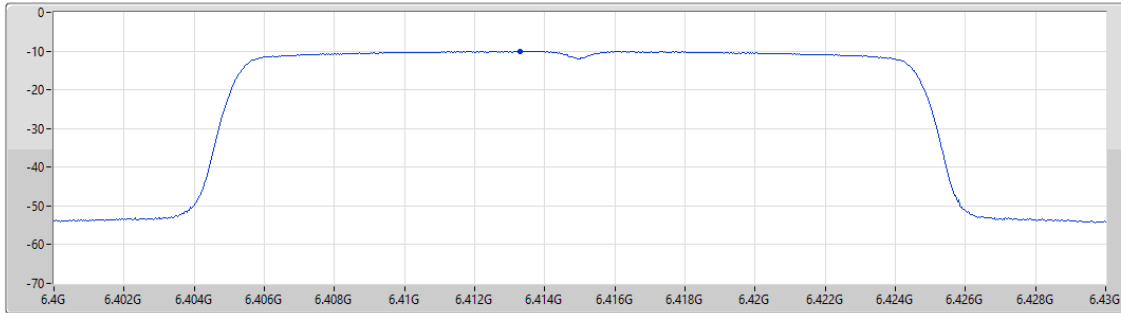
5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

6415MHz

09/12/2024

CF (Hz)
6.415G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)
-10.10	-10.10	-10.10

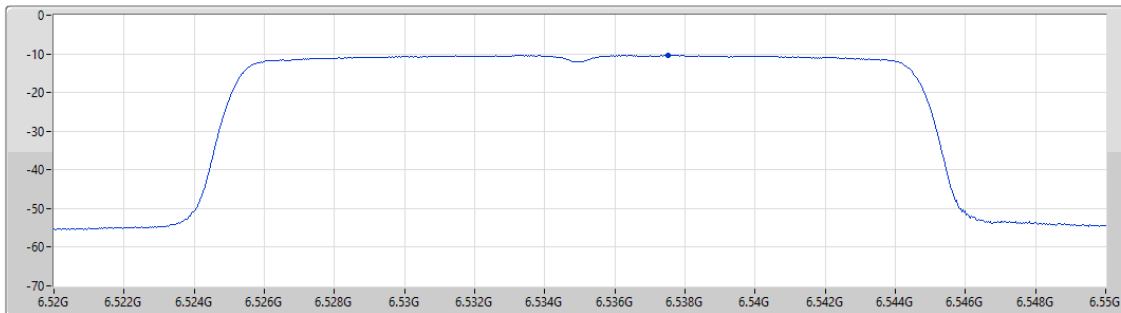
6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

6535MHz

09/12/2024

CF (Hz)
6.535G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



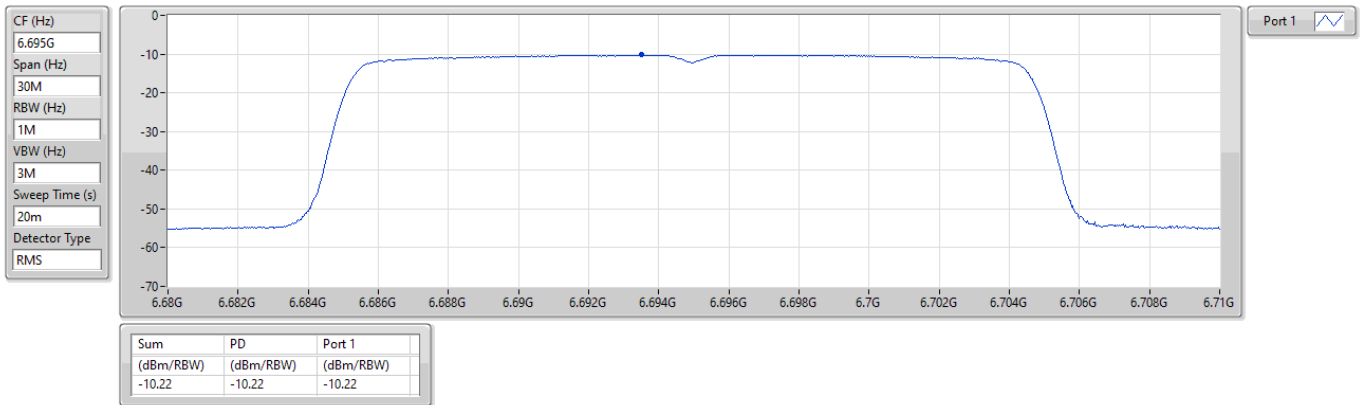
Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)
-10.36	-10.36	-10.36

6.525-6.875GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

PSD

6695MHz

09/12/2024

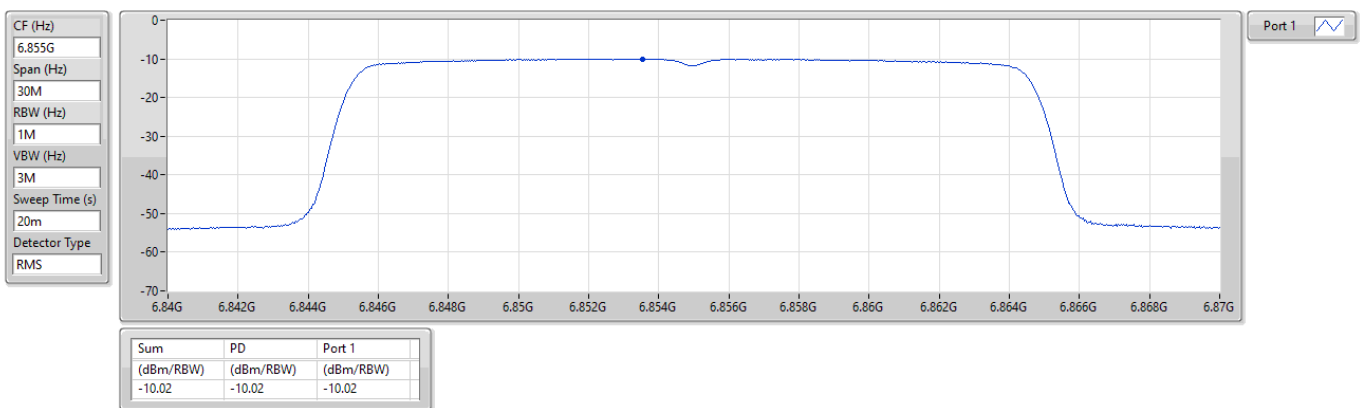


6.525-6.875GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

PSD

6855MHz

09/12/2024



5.925-6.425GHz_802.11ax_HEW40_Nss1,(MCS0)_1TX

PSD

5965MHz

09/12/2024

CF (Hz)
5.965G

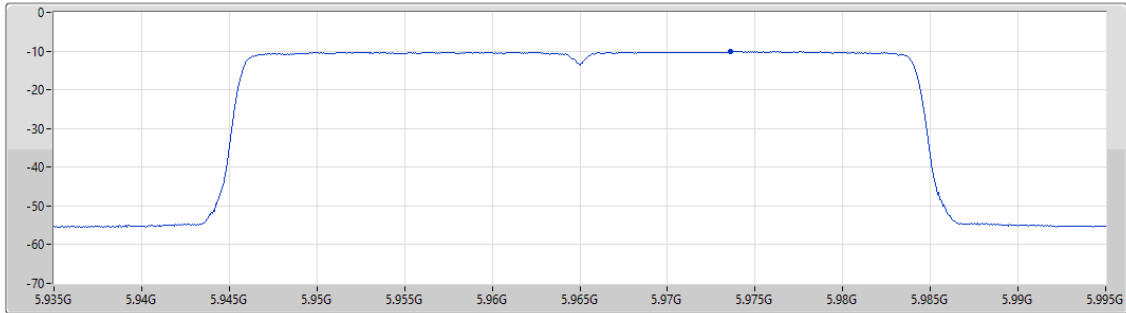
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.10	-10.10	-10.10

5.925-6.425GHz_802.11ax_HEW40_Nss1,(MCS0)_1TX

PSD

6205MHz

09/12/2024

CF (Hz)
6.205G

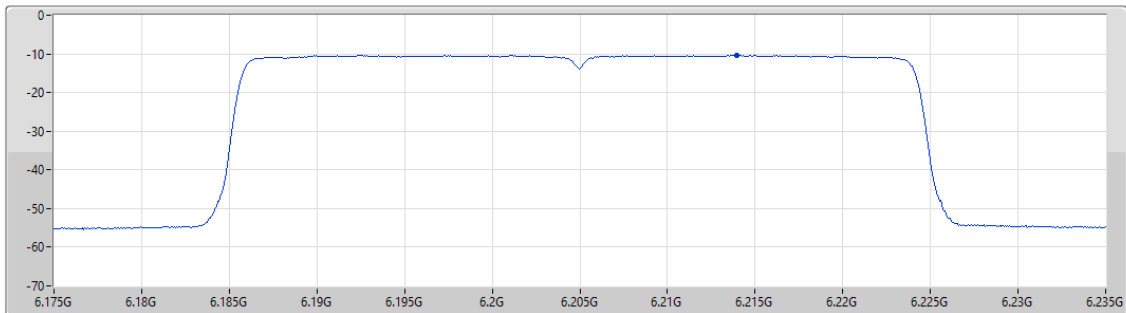
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.38	-10.38	-10.38

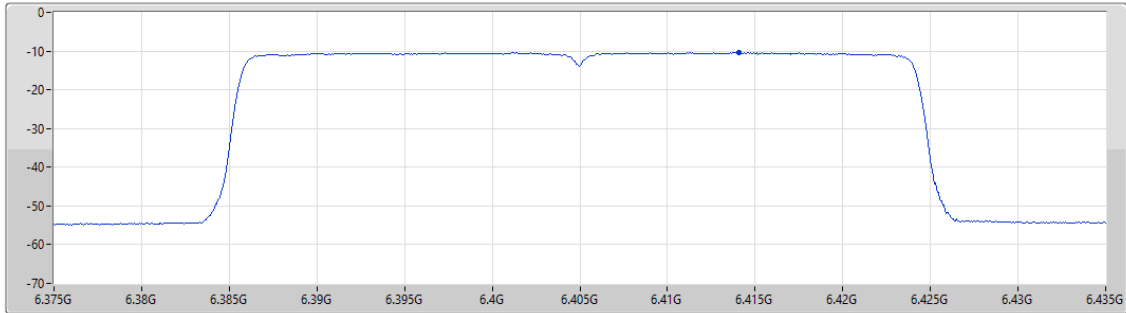
5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

6405MHz

09/12/2024

CF (Hz)
6.405G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.31	-10.31	-10.31

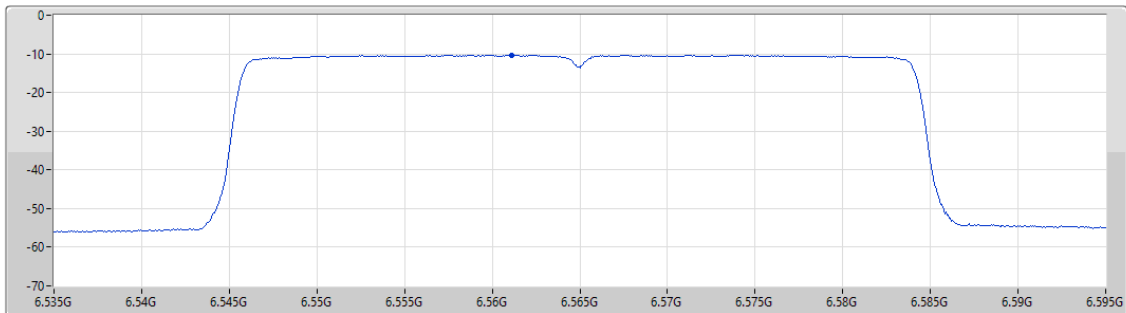
6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

6565MHz

09/12/2024

CF (Hz)
6.565G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.30	-10.30	-10.30

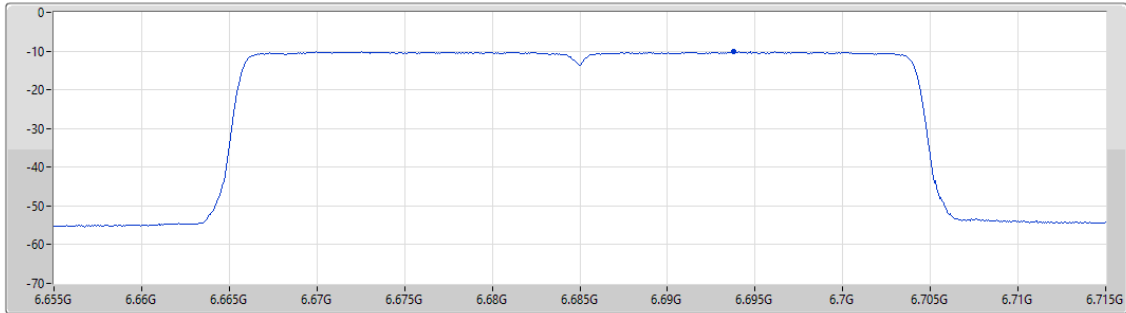
6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

6685MHz

09/12/2024

CF (Hz)
6.685G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.20	-10.20	-10.20

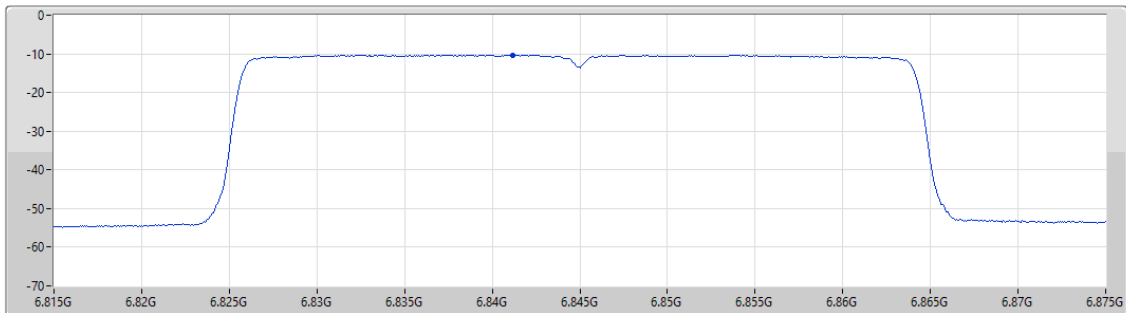
6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

6845MHz

09/12/2024

CF (Hz)
6.845G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.26	-10.26	-10.26

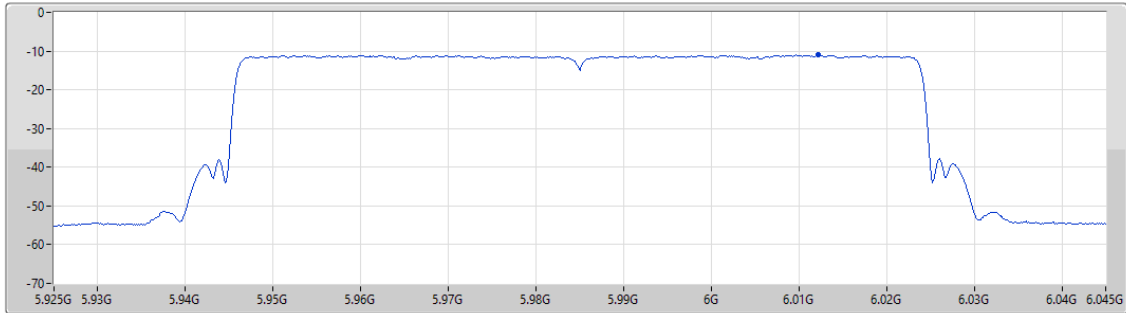
5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5985MHz

09/12/2024

CF (Hz)
5.985G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

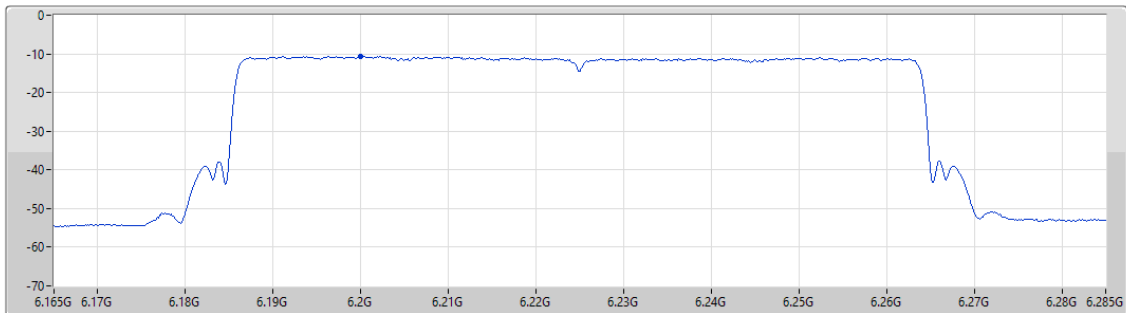
5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

6225MHz

09/12/2024

CF (Hz)
6.225G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

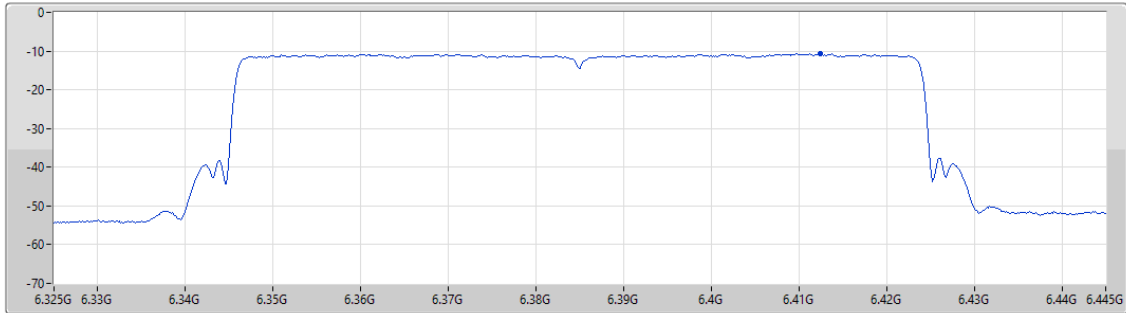
5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

6385MHz

09/12/2024

CF (Hz)
6.385G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.62	-10.62	-10.62

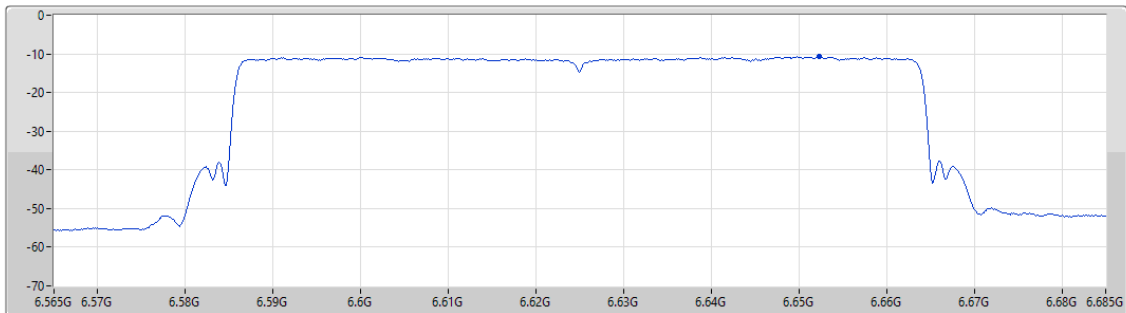
6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

6625MHz

09/12/2024

CF (Hz)
6.625G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.72	-10.72	-10.72

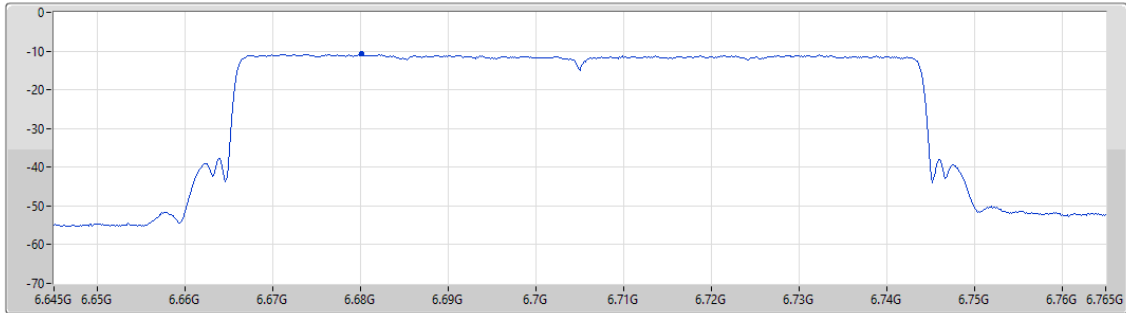
6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

6705MHz

09/12/2024

CF (Hz)
6.705G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.78	-10.78	-10.78

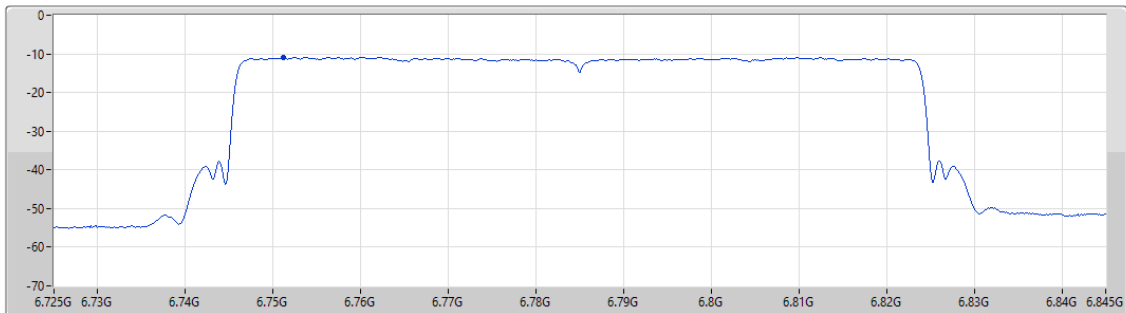
6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

6785MHz

09/12/2024

CF (Hz)
6.785G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



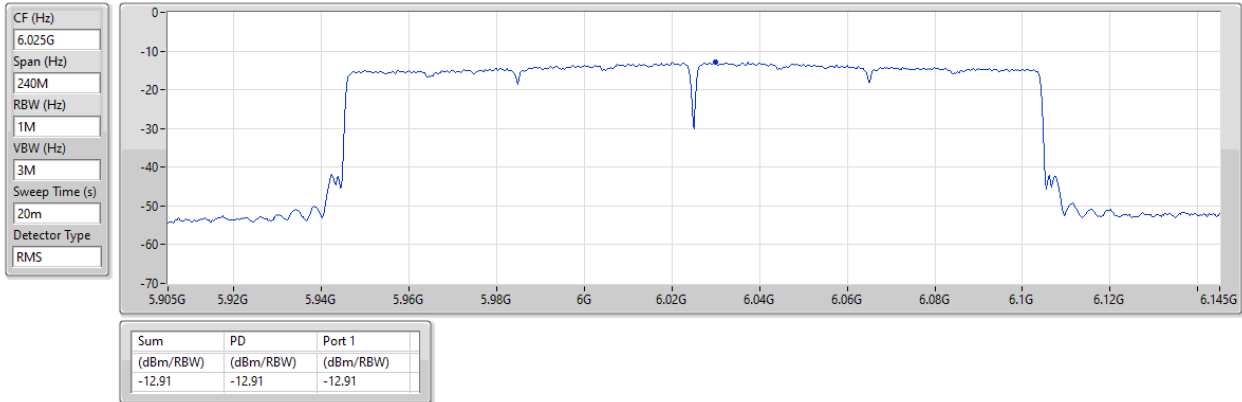
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.87	-10.87	-10.87

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

PSD

6025MHz

09/12/2024

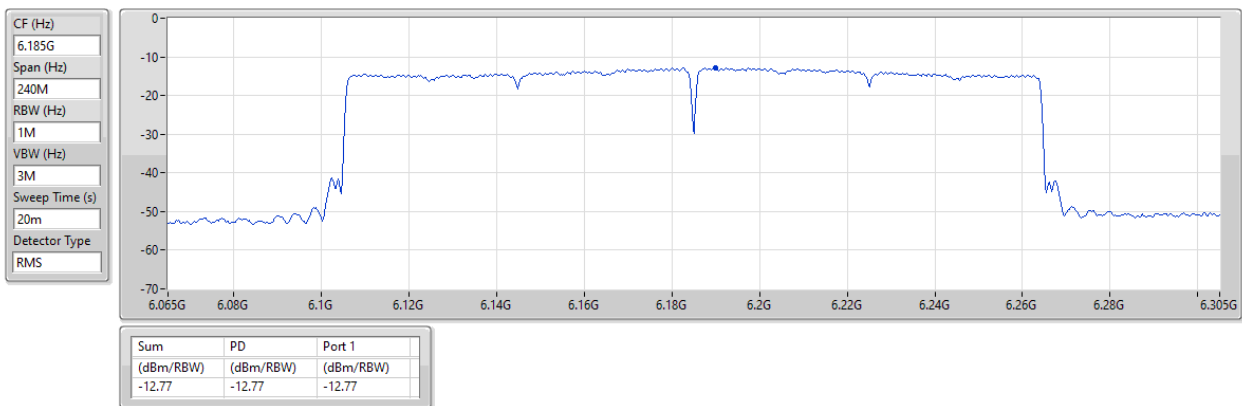


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

PSD

6185MHz

09/12/2024

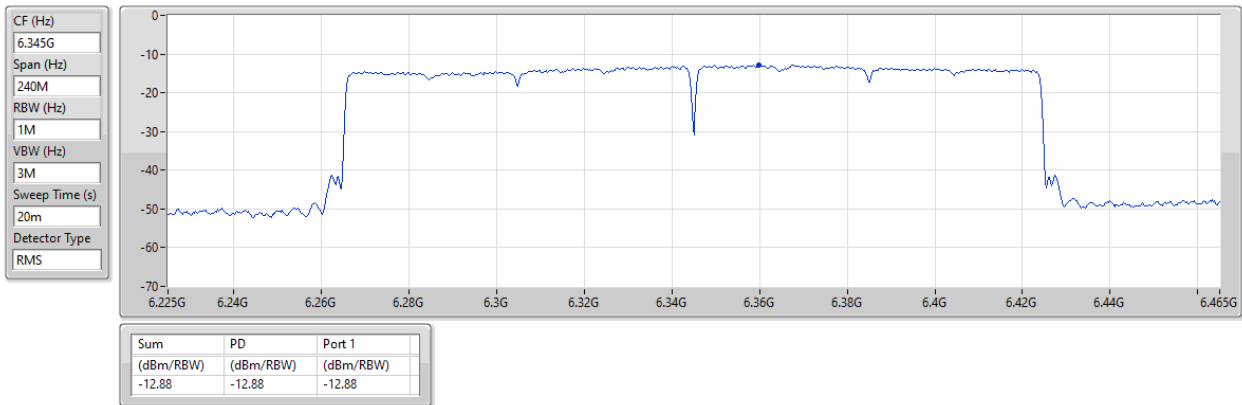


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

PSD

6345MHz

09/12/2024

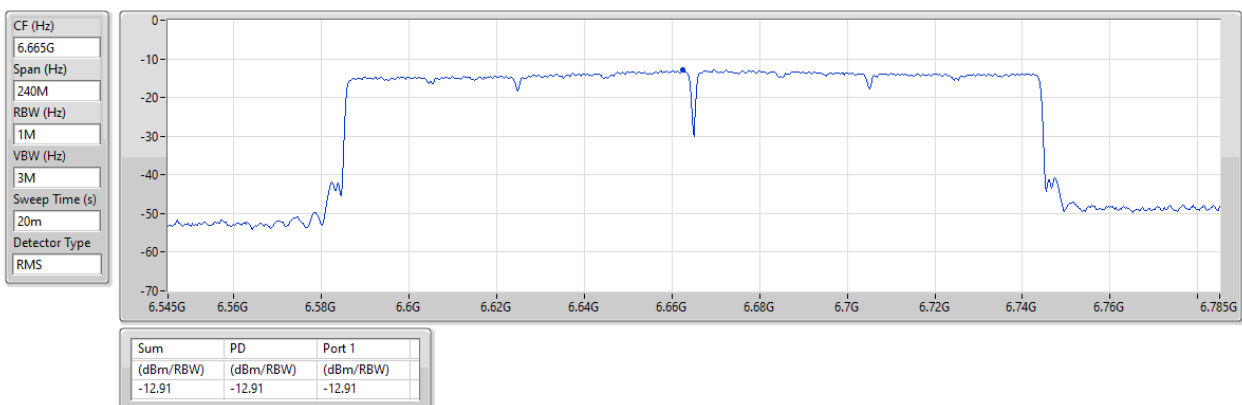


6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

PSD

6665MHz

09/12/2024

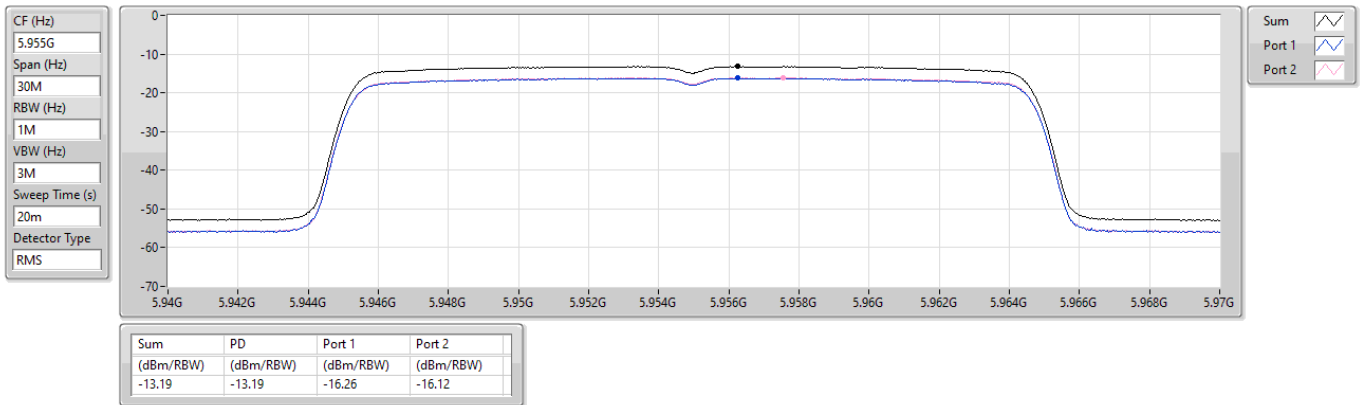


5.925-6.425GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_2TX

PSD

5955MHz

10/12/2024

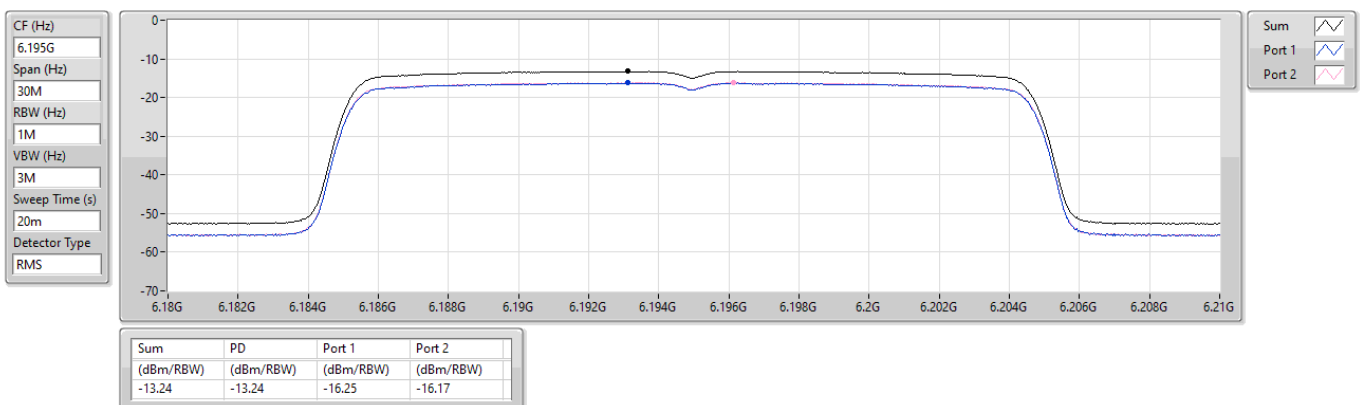


5.925-6.425GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_2TX

PSD

6195MHz

10/12/2024



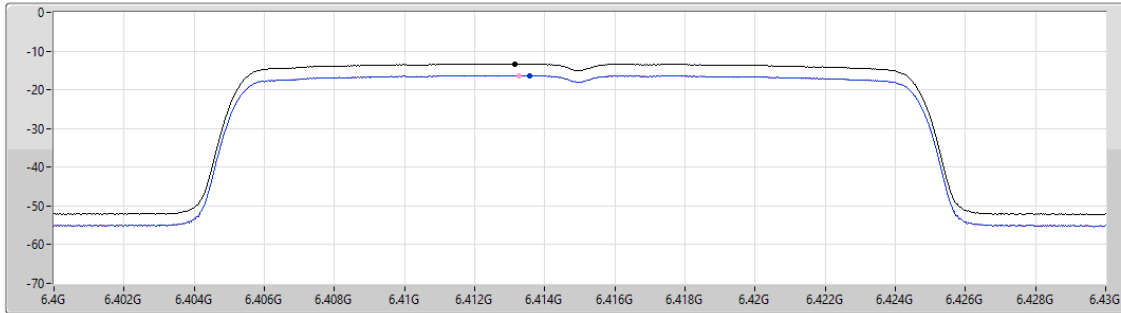
5.925-6.425GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_2TX

PSD

6415MHz

10/12/2024

CF (Hz)
6.415G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.35	-13.35	-16.31	-16.28

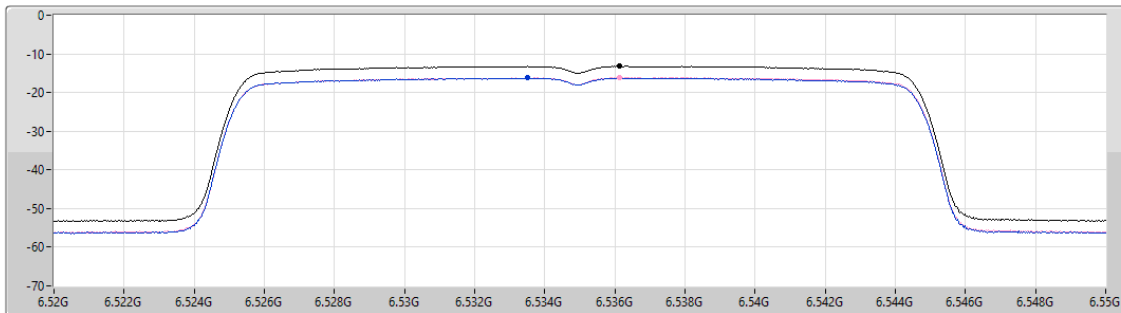
6.525-6.875GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_2TX

PSD

6535MHz

10/12/2024

CF (Hz)
6.535G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.21	-13.21	-16.25	-16.14

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

6695MHz

10/12/2024

CF (Hz)
6.695G

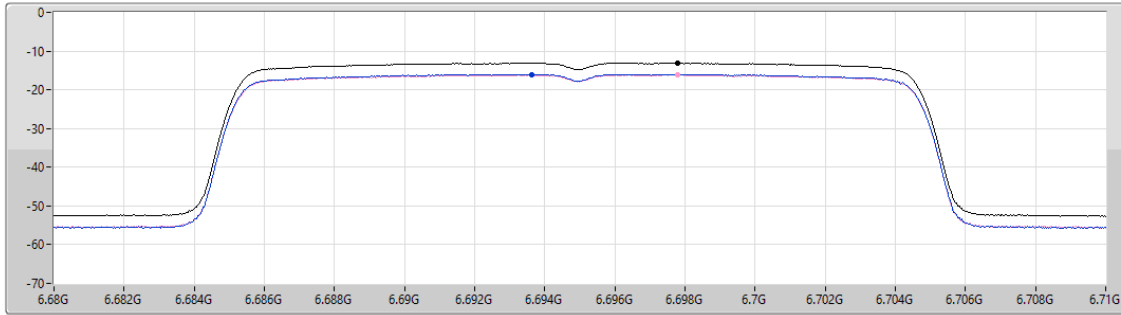
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.08	-13.08	-16.01	-16.13

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

6855MHz

10/12/2024

CF (Hz)
6.855G

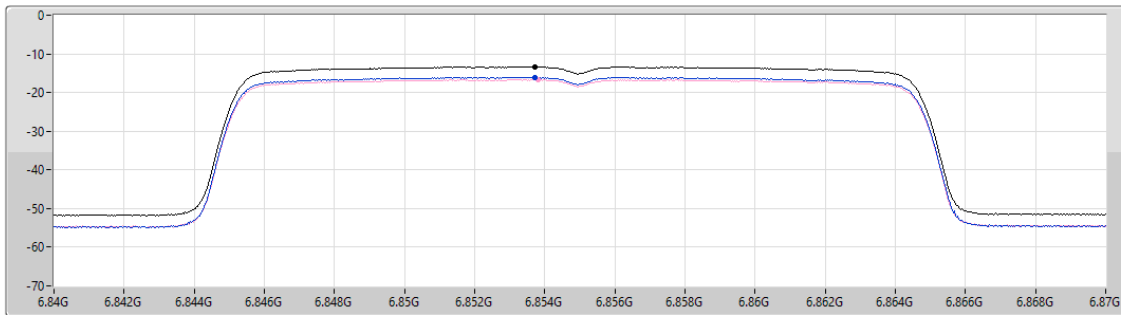
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.34	-13.34	-16.00	-16.67

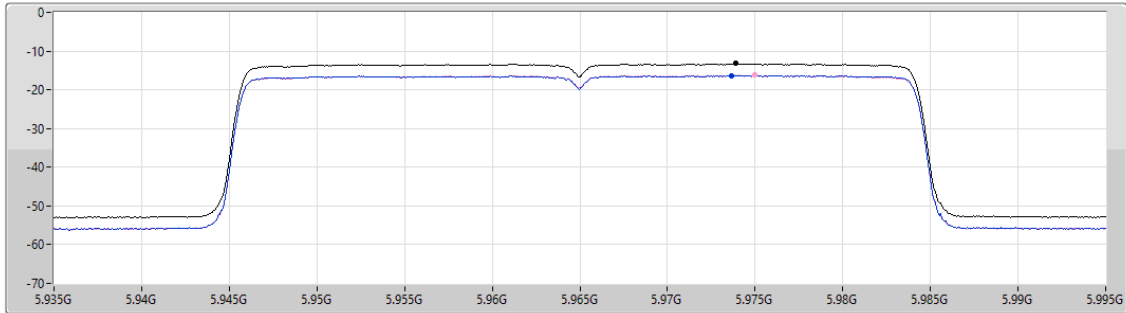
5.925-6.425GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_2TX

PSD

5965MHz

10/12/2024

CF (Hz)
5.965G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.25	-13.25	-16.27	-16.20

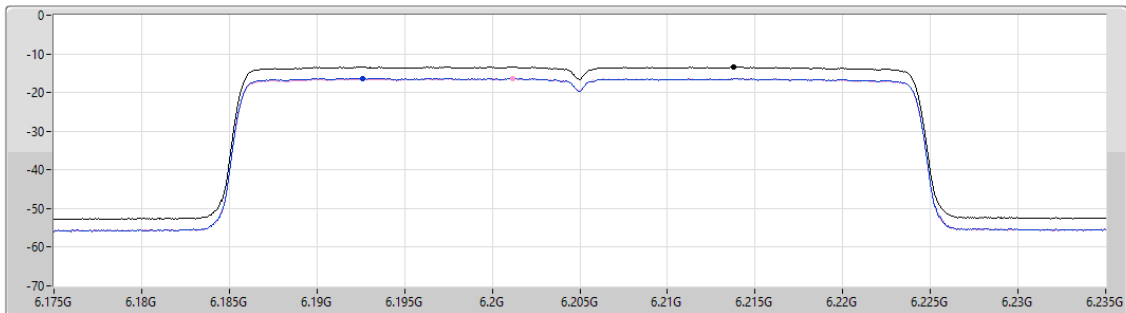
5.925-6.425GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_2TX

PSD

6205MHz

10/12/2024

CF (Hz)
6.205G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.38	-13.38	-16.32	-16.36

5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

6405MHz

10/12/2024

CF (Hz)
6.405G

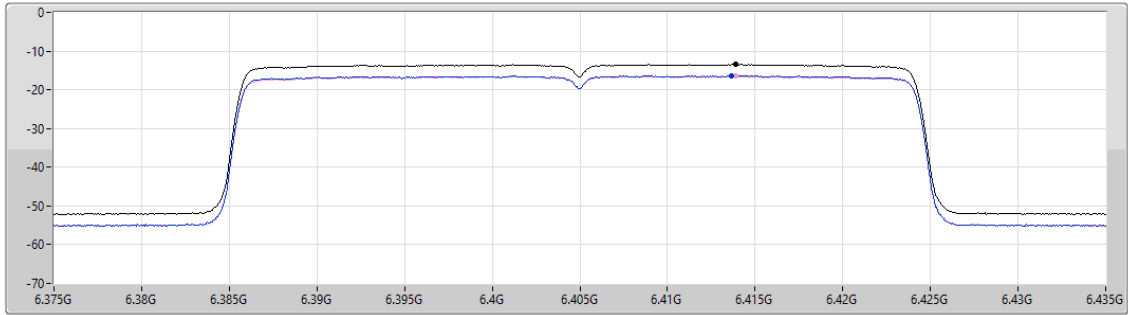
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.43	-13.43	-16.34	-16.47

6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

6565MHz

10/12/2024

CF (Hz)
6.565G

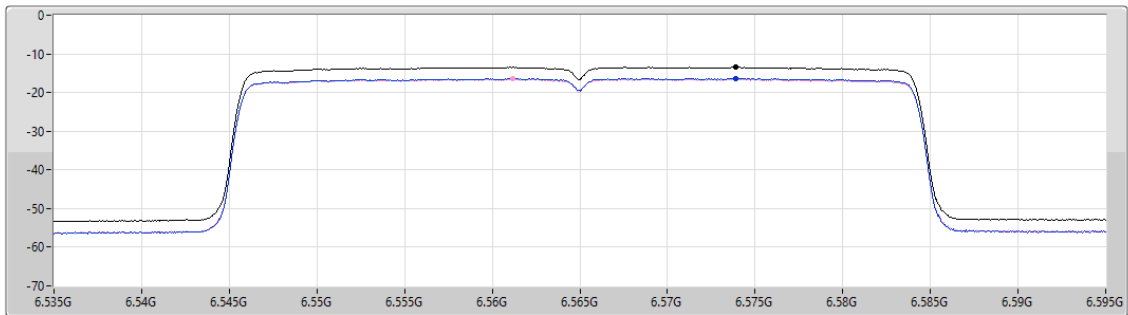
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.43	-13.43	-16.32	-16.50

6.525-6.875GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_2TX

PSD

6685MHz

10/12/2024

CF (Hz)
6.685G

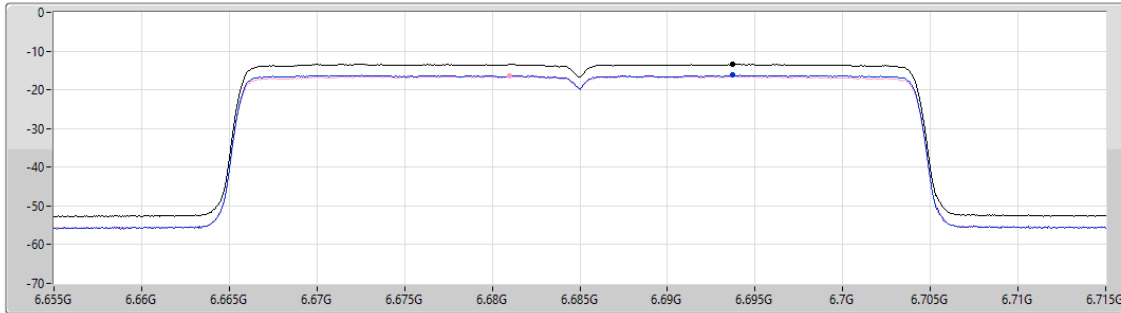
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☐

Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.37	-13.37	-16.24	-16.49

6.525-6.875GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_2TX

PSD

6845MHz

10/12/2024

CF (Hz)
6.845G

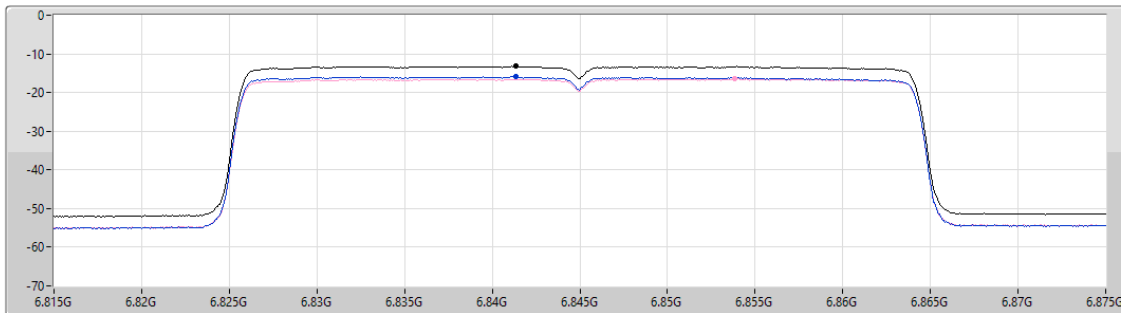
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☐

Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.24	-13.24	-15.93	-16.45

5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

5985MHz

10/12/2024

CF (Hz)
5.985G

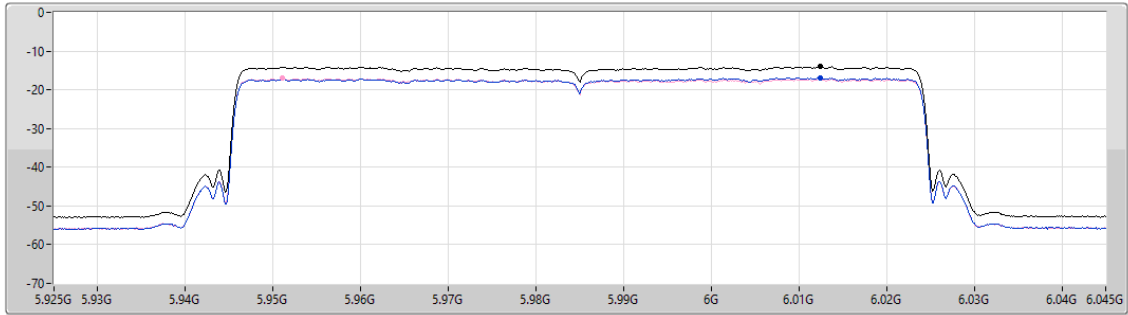
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.07	-14.07	-16.87	-17.07

5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

6225MHz

10/12/2024

CF (Hz)
6.225G

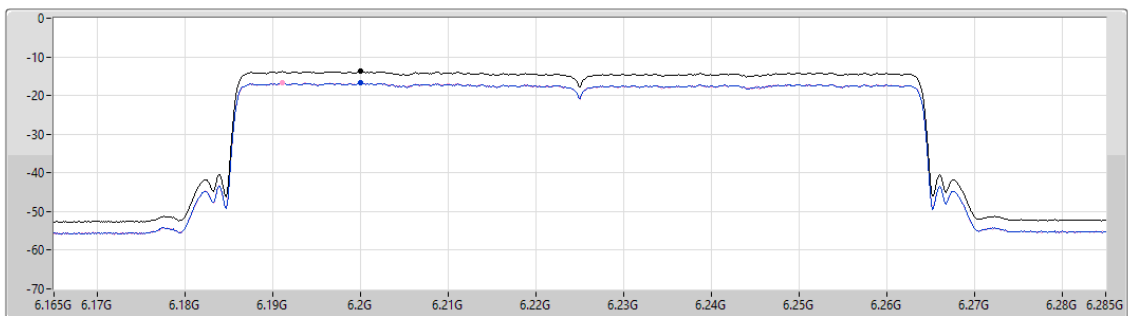
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

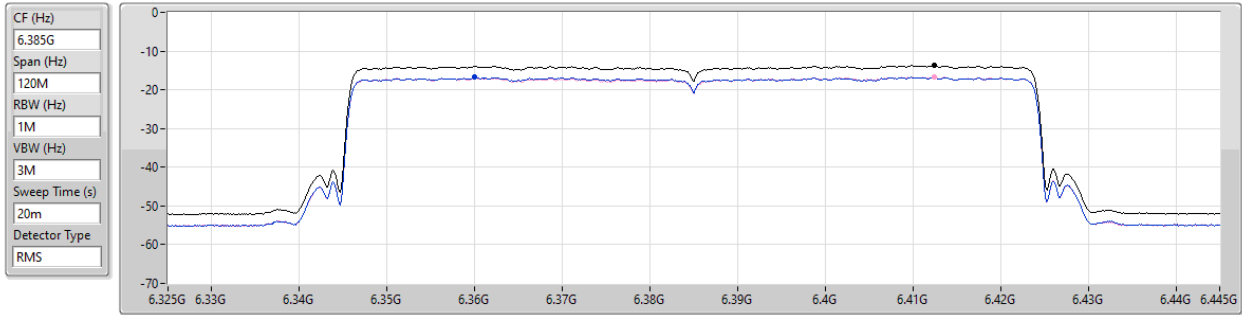
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.73	-13.73	-16.73	-16.72

5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

6385MHz

10/12/2024



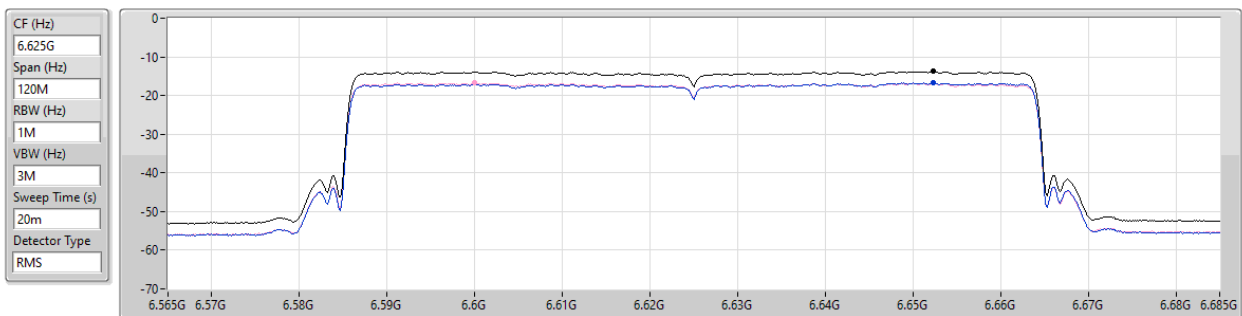
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.71	-13.71	-16.77	-16.65

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

6625MHz

10/12/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.78	-13.78	-16.71	-16.72

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

6705MHz

10/12/2024

CF (Hz)
6.705G

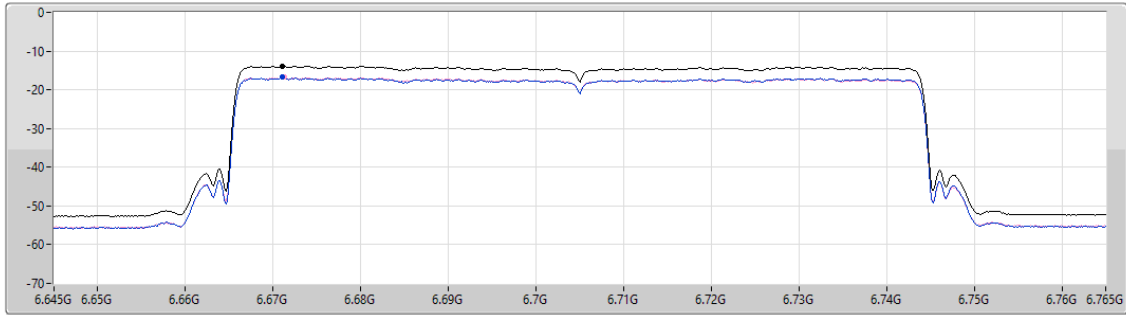
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.84	-13.84	-16.81	-16.77

Sum ☐

Port 1 ☐

Port 2 ☐

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

6785MHz

10/12/2024

CF (Hz)
6.785G

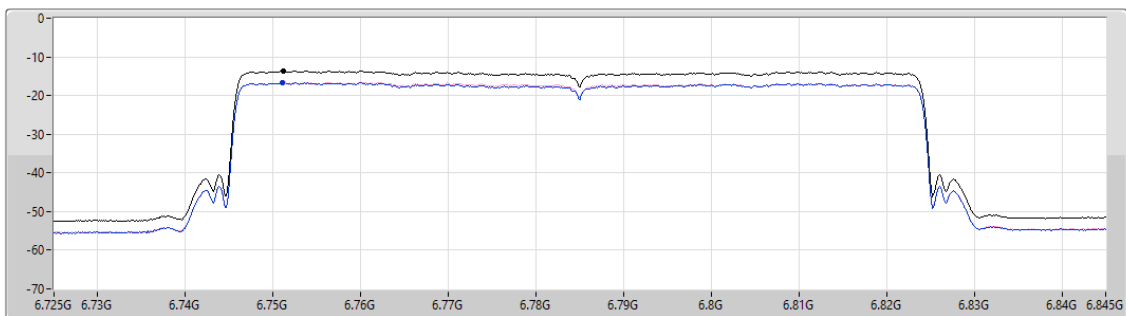
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.60	-13.60	-16.64	-16.55

Sum ☐

Port 1 ☐

Port 2 ☐

5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX

PSD

6025MHz

10/12/2024

CF (Hz)
6.025G

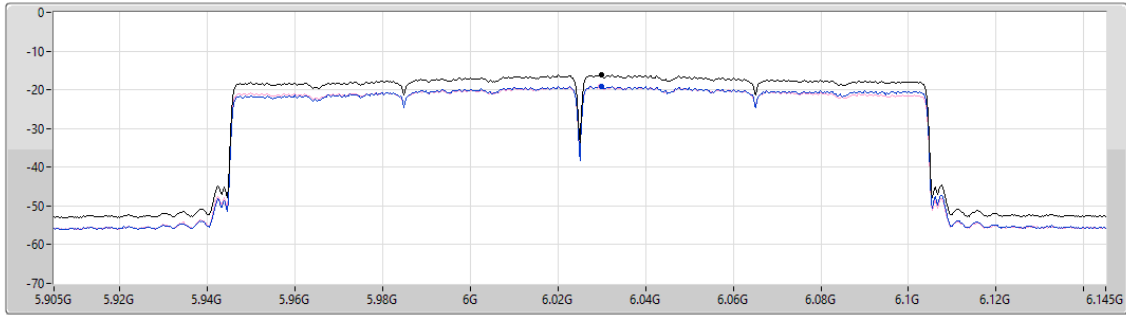
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-16.19	-16.19	-19.12	-19.16

5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX

PSD

6185MHz

10/12/2024

CF (Hz)
6.185G

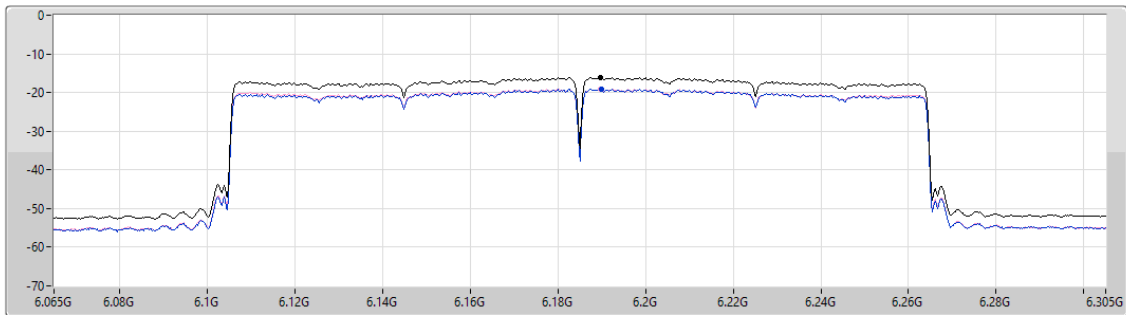
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-16.09	-16.09	-19.11	-19.02

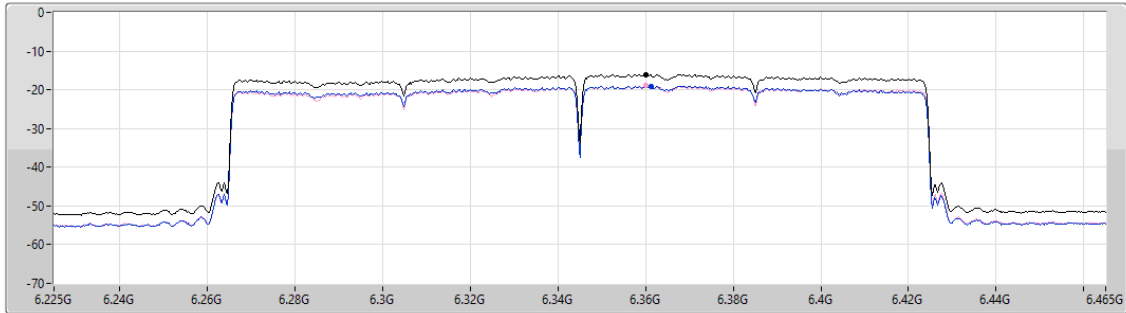
5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX

PSD

6345MHz

10/12/2024

CF (Hz)
6.345G
Span (Hz)
240M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.04	-16.04	-19.01	-18.99

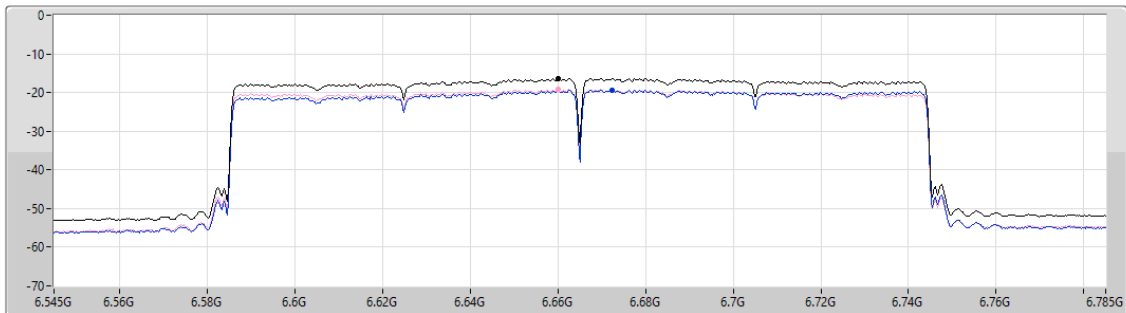
6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX

PSD

6665MHz

10/12/2024

CF (Hz)
6.665G
Span (Hz)
240M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.28	-16.28	-19.34	-19.14

Test Mode: Mode 2**Summary**

Mode	PD	EIRP PD
	(dBm/RBW)	(dBm/RBW)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-10.18	-5.18
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-13.29	-5.28
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-10.17	-5.17
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-13.16	-5.15

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),RU 26,#RU 0_1TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.00	-10.32	-	-10.32	Inf	-5.32	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.00	-10.42	-	-10.42	Inf	-5.42	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.00	-10.35	-	-10.35	Inf	-5.35	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-	-	-
6195MHz	Pass	5.00	-10.20	-	-10.20	Inf	-5.20	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-	-	-
6195MHz	Pass	5.00	-10.18	-	-10.18	Inf	-5.18	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-	-	-
6195MHz	Pass	5.00	-10.34	-	-10.34	Inf	-5.34	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-	-	-	-	-	-	-	-
6415MHz	Pass	5.00	-10.30	-	-10.30	Inf	-5.30	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	-	-	-	-	-	-	-	-
6415MHz	Pass	5.00	-10.32	-	-10.32	Inf	-5.32	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-	-	-	-	-	-	-	-
6415MHz	Pass	5.00	-10.22	-	-10.22	Inf	-5.22	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-	-	-
6535MHz	Pass	5.00	-10.45	-	-10.45	Inf	-5.45	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-	-	-
6535MHz	Pass	5.00	-10.48	-	-10.48	Inf	-5.48	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-	-	-
6535MHz	Pass	5.00	-10.39	-	-10.39	Inf	-5.39	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-	-	-
6695MHz	Pass	5.00	-10.29	-	-10.29	Inf	-5.29	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-	-	-
6695MHz	Pass	5.00	-10.39	-	-10.39	Inf	-5.39	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-	-	-
6695MHz	Pass	5.00	-10.26	-	-10.26	Inf	-5.26	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-	-	-	-	-	-	-	-
6855MHz	Pass	5.00	-10.17	-	-10.17	Inf	-5.17	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	-	-	-	-	-	-	-	-
6855MHz	Pass	5.00	-10.23	-	-10.23	Inf	-5.23	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-	-	-	-	-	-	-	-
6855MHz	Pass	5.00	-10.36	-	-10.36	Inf	-5.36	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-	-	-
5955MHz	Pass	8.01	-16.16	-16.53	-13.36	Inf	-5.35	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-	-	-
5955MHz	Pass	8.01	-16.34	-16.23	-13.35	Inf	-5.34	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-	-	-
5955MHz	Pass	8.01	-16.39	-16.36	-13.38	Inf	-5.37	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-	-	-
6195MHz	Pass	8.01	-16.43	-16.11	-13.29	Inf	-5.28	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-	-	-
6195MHz	Pass	8.01	-16.40	-16.14	-13.32	Inf	-5.31	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-	-	-
6195MHz	Pass	8.01	-16.19	-16.48	-13.32	Inf	-5.31	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX	-	-	-	-	-	-	-	-
6415MHz	Pass	8.01	-16.11	-16.55	-13.36	Inf	-5.35	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX	-	-	-	-	-	-	-	-
6415MHz	Pass	8.01	-16.54	-16.15	-13.38	Inf	-5.37	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	-	-	-	-	-	-	-	-
6415MHz	Pass	8.01	-16.29	-16.45	-13.38	Inf	-5.37	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-	-	-

6535MHz	Pass	8.01	-16.48	-16.25	-13.39	Inf	-5.38	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-	-	-
6535MHz	Pass	8.01	-16.52	-16.22	-13.38	Inf	-5.37	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-	-	-
6535MHz	Pass	8.01	-16.26	-16.22	-13.27	Inf	-5.26	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-	-	-
6695MHz	Pass	8.01	-16.40	-16.21	-13.32	Inf	-5.31	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-	-	-
6695MHz	Pass	8.01	-16.36	-16.39	-13.39	Inf	-5.38	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-	-	-
6695MHz	Pass	8.01	-16.12	-15.83	-13.16	Inf	-5.15	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX	-	-	-	-	-	-	-	-
6855MHz	Pass	8.01	-16.43	-16.23	-13.34	Inf	-5.33	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX	-	-	-	-	-	-	-	-
6855MHz	Pass	8.01	-16.39	-15.91	-13.16	Inf	-5.15	-5.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	-	-	-	-	-	-	-	-
6855MHz	Pass	8.01	-16.44	-16.28	-13.37	Inf	-5.36	-5.00

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;
Inf = There's no restriction for the limit.

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX

PSD

5955MHz

10/12/2024

CF (Hz)
5.955G

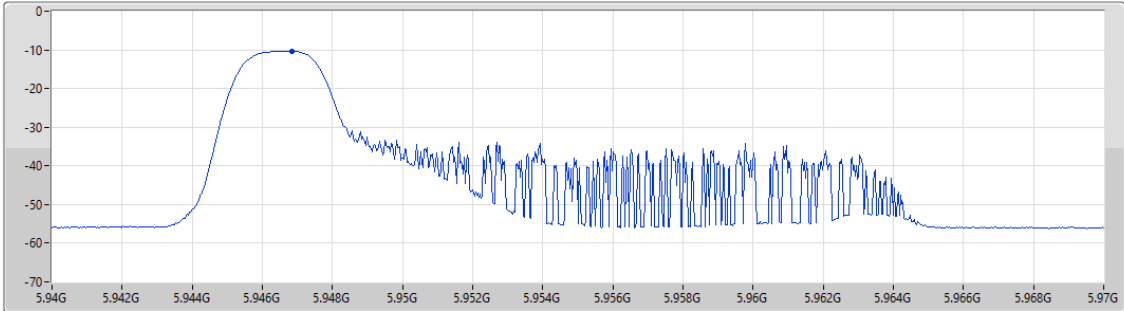
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.32	-10.32	-10.32

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX

PSD

5955MHz

10/12/2024

CF (Hz)
5.955G

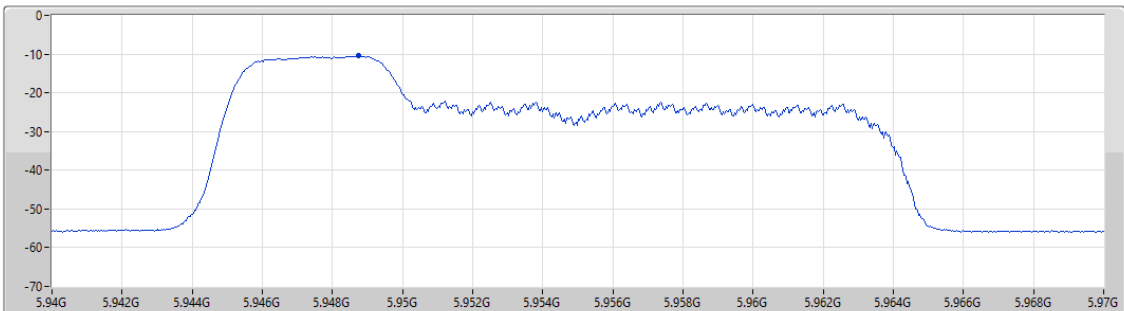
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

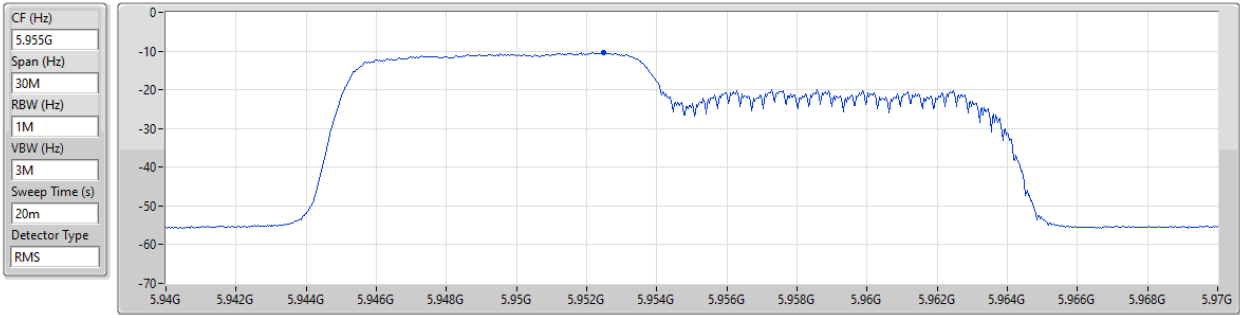
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.42	-10.42	-10.42

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX

PSD

5955MHz

10/12/2024



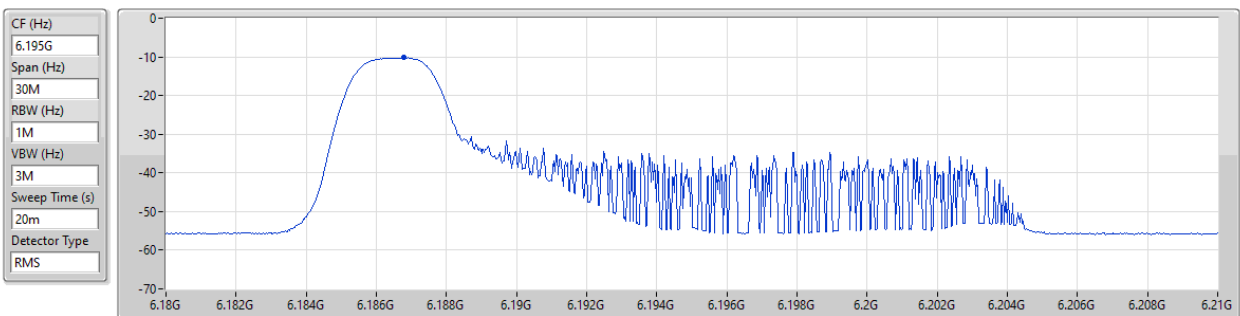
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.35	-10.35	-10.35

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX

PSD

6195MHz

10/12/2024



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.20	-10.20	-10.20

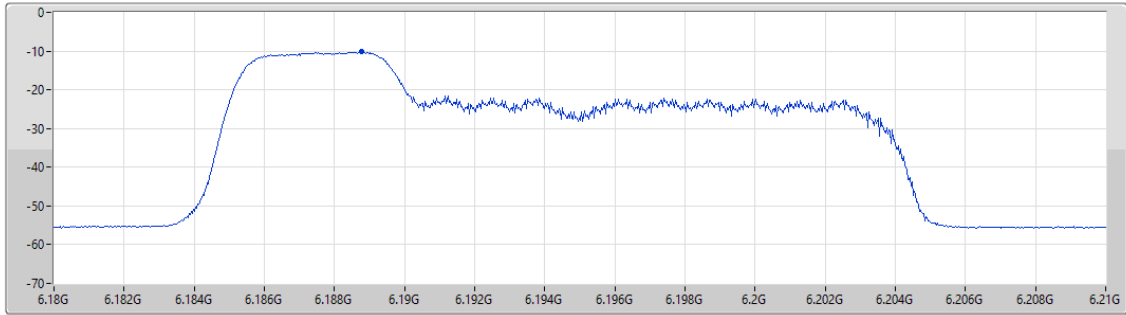
5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX

PSD

6195MHz

10/12/2024

CF (Hz)
6.195G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.18	-10.18	-10.18

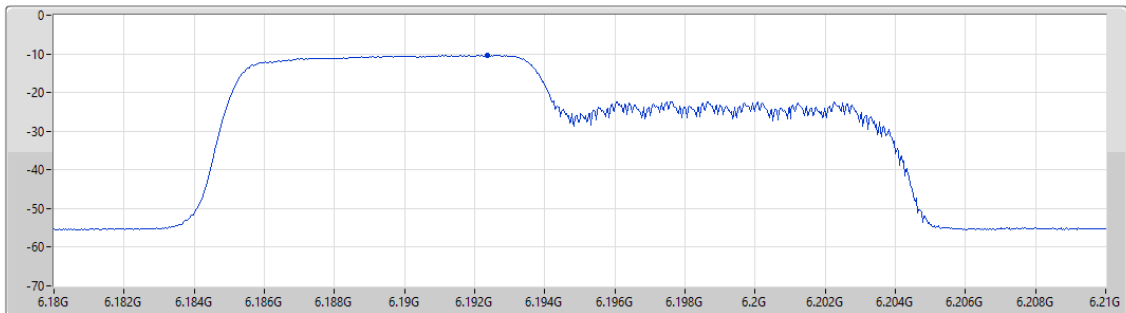
5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX

PSD

6195MHz

10/12/2024

CF (Hz)
6.195G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



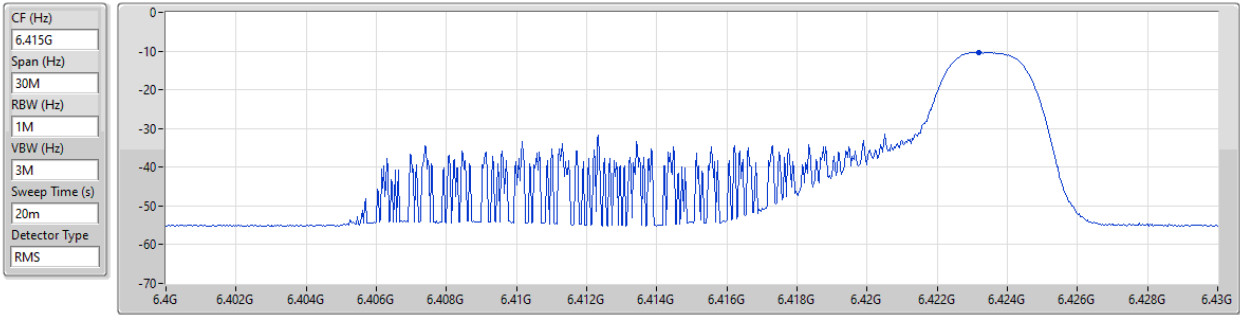
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.34	-10.34	-10.34

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX

PSD

6415MHz

10/12/2024



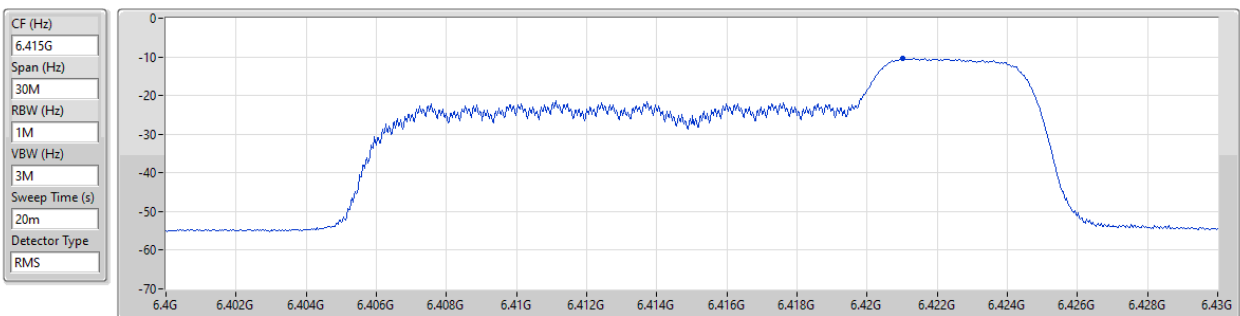
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.30	-10.30	-10.30

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX

PSD

6415MHz

10/12/2024



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.32	-10.32	-10.32

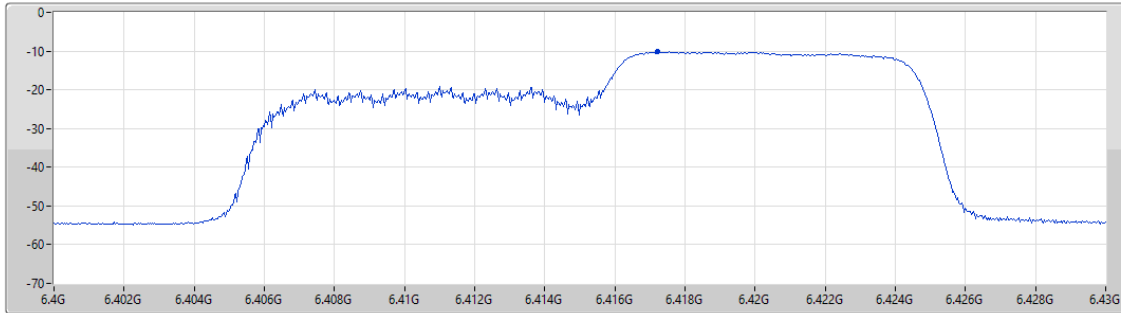
5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX

PSD

6415MHz

10/12/2024

CF (Hz)
6.415G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.22	-10.22	-10.22

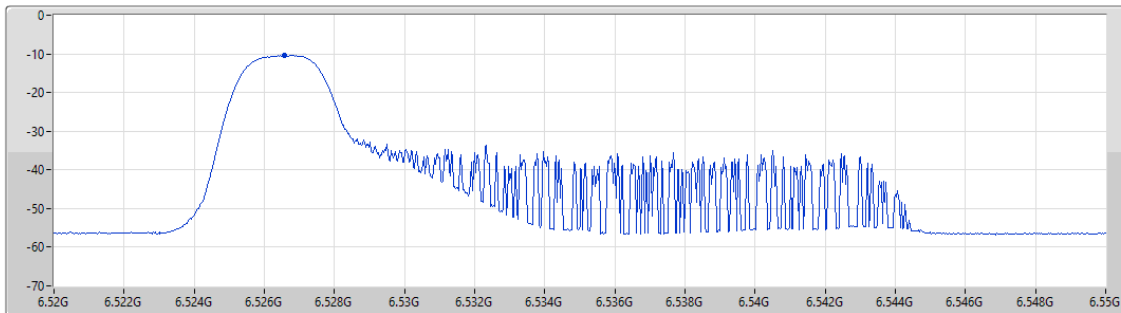
6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX

PSD

6535MHz

10/12/2024

CF (Hz)
6.535G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.45	-10.45	-10.45

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX

PSD

6535MHz

10/12/2024

CF (Hz)
6.535G

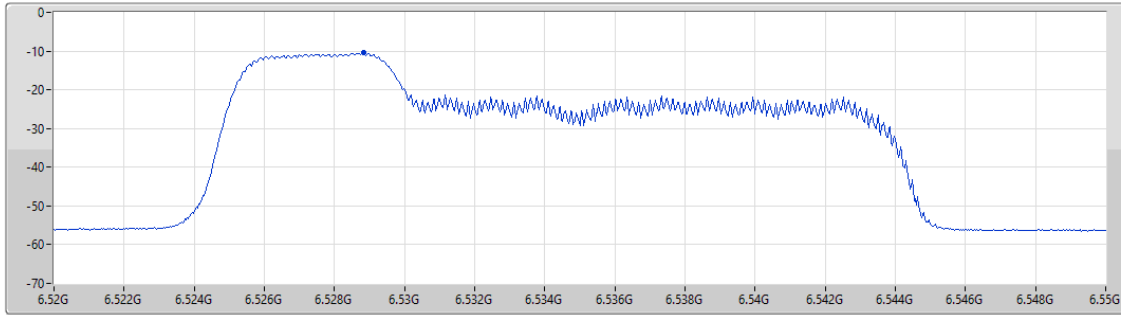
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.48	-10.48	-10.48

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX

PSD

6535MHz

10/12/2024

CF (Hz)
6.535G

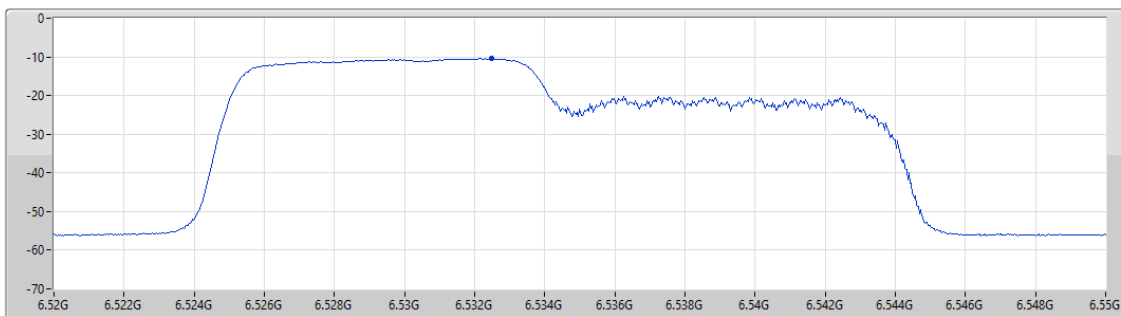
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.39	-10.39	-10.39

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX

PSD

6695MHz

10/12/2024

CF (Hz)
6.695G

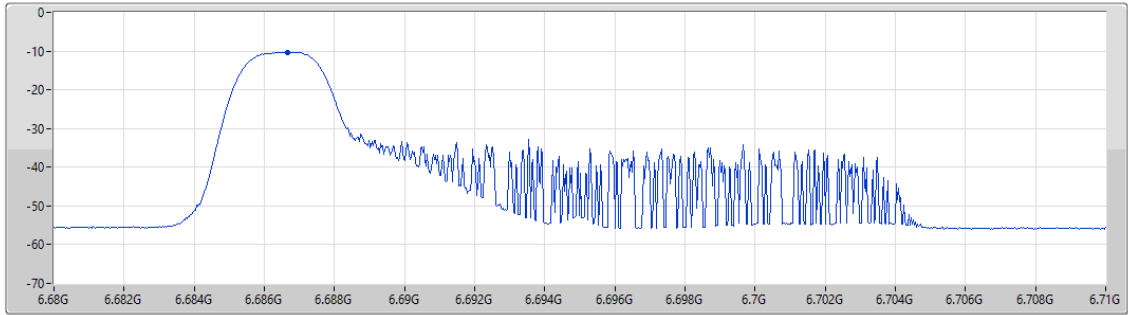
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.29	-10.29	-10.29

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX

PSD

6695MHz

10/12/2024

CF (Hz)
6.695G

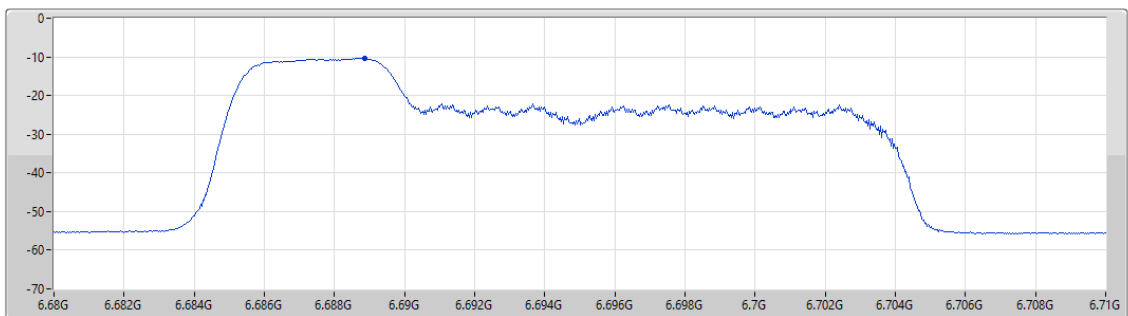
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

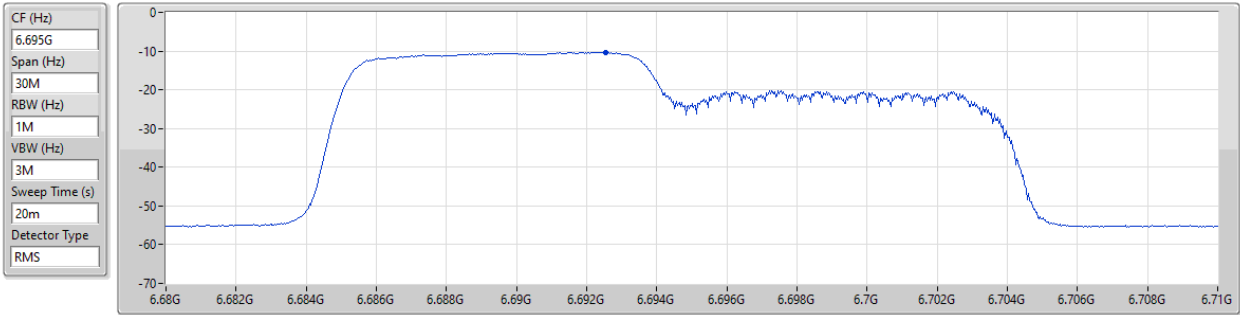
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.39	-10.39	-10.39

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX

PSD

6695MHz

10/12/2024

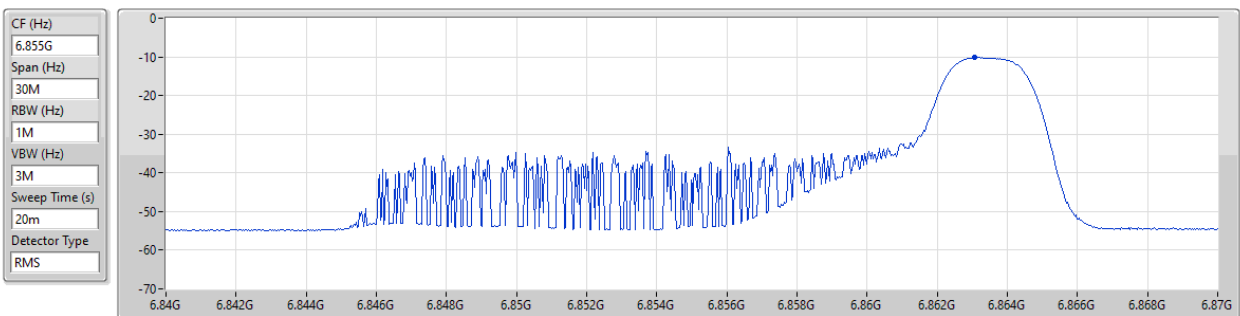


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX

PSD

6855MHz

10/12/2024



6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX

PSD

6855MHz

10/12/2024

CF (Hz)
6.855G

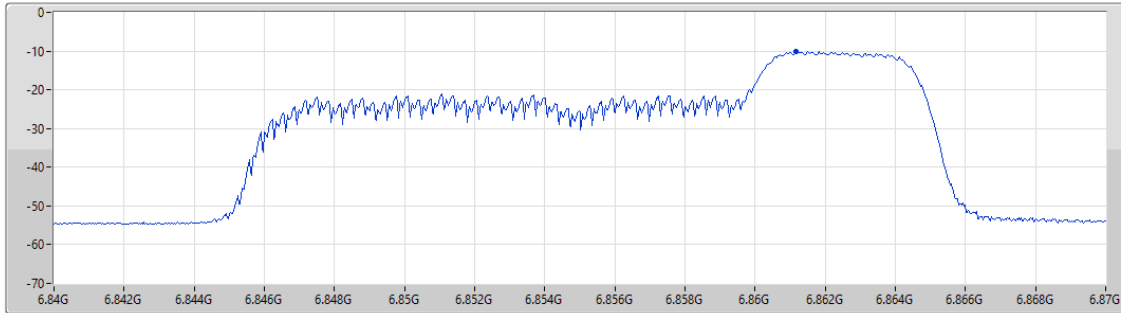
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-10.23	-10.23	-10.23

Port 1

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX

PSD

6855MHz

10/12/2024

CF (Hz)
6.855G

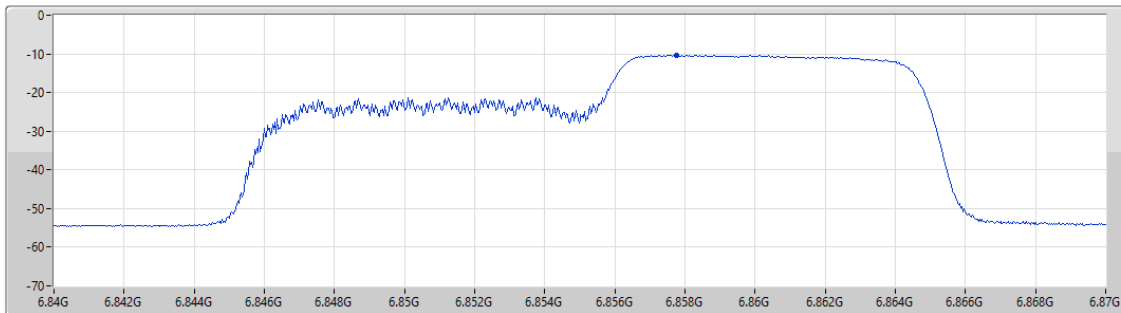
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-10.36	-10.36	-10.36

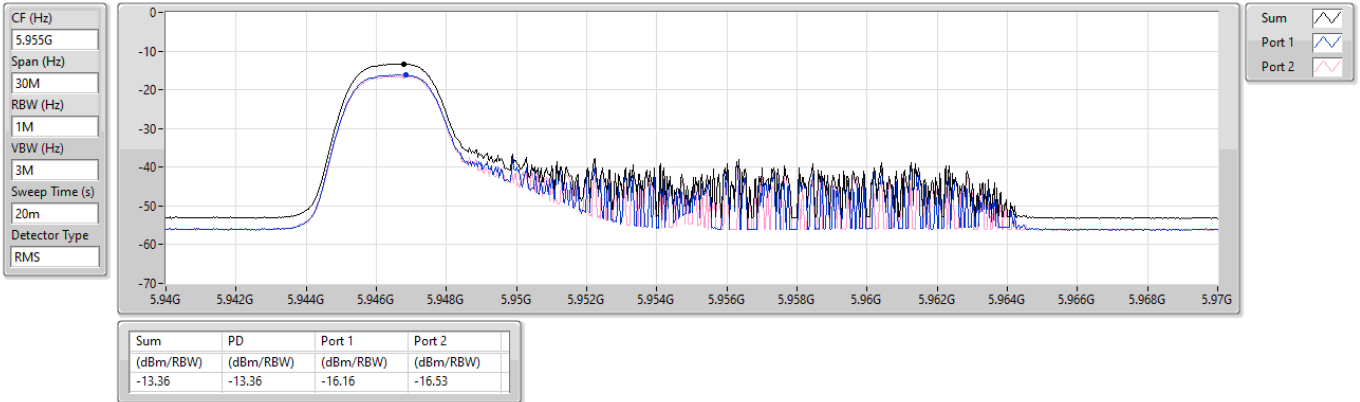
Port 1

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX

PSD

5955MHz

10/12/2024

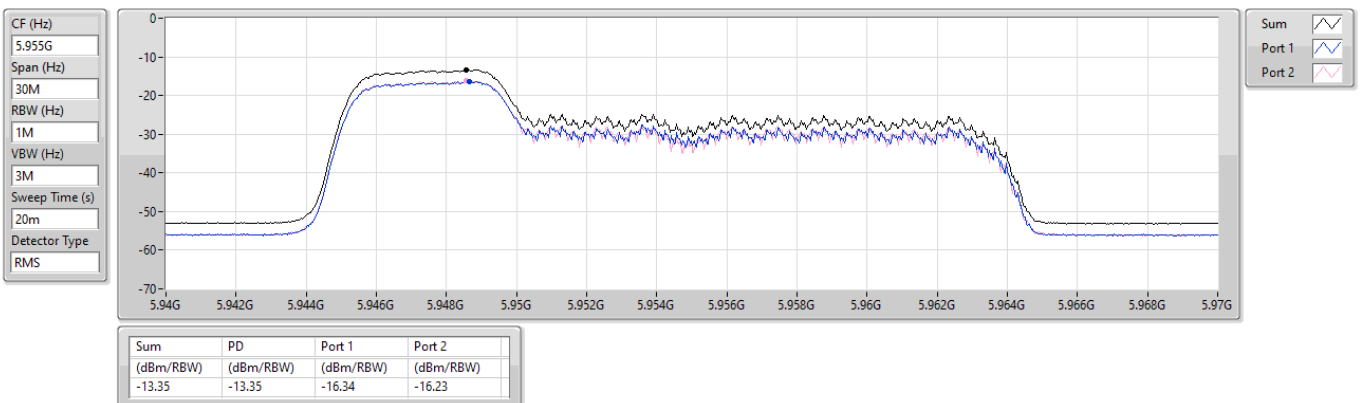


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX

PSD

5955MHz

10/12/2024

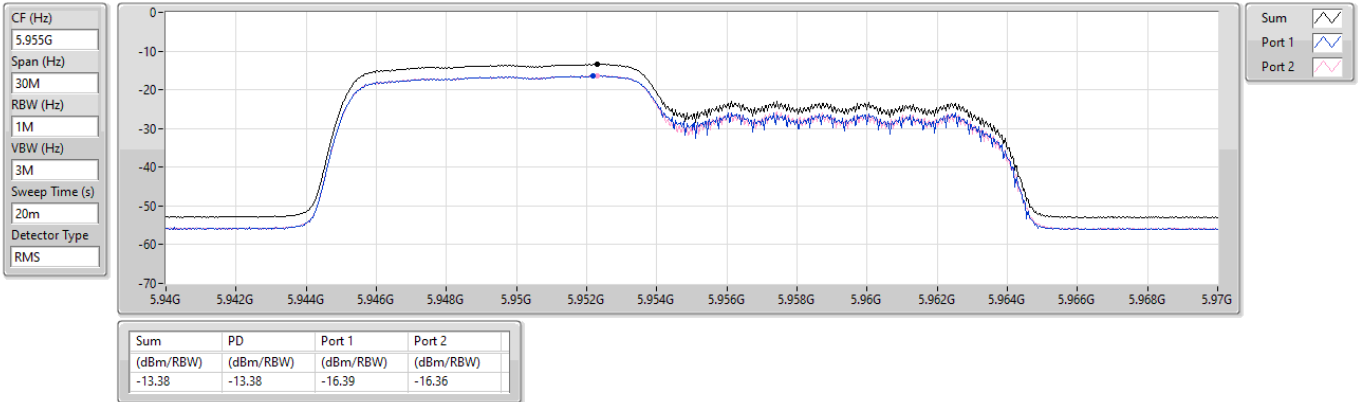


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX

PSD

5955MHz

10/12/2024

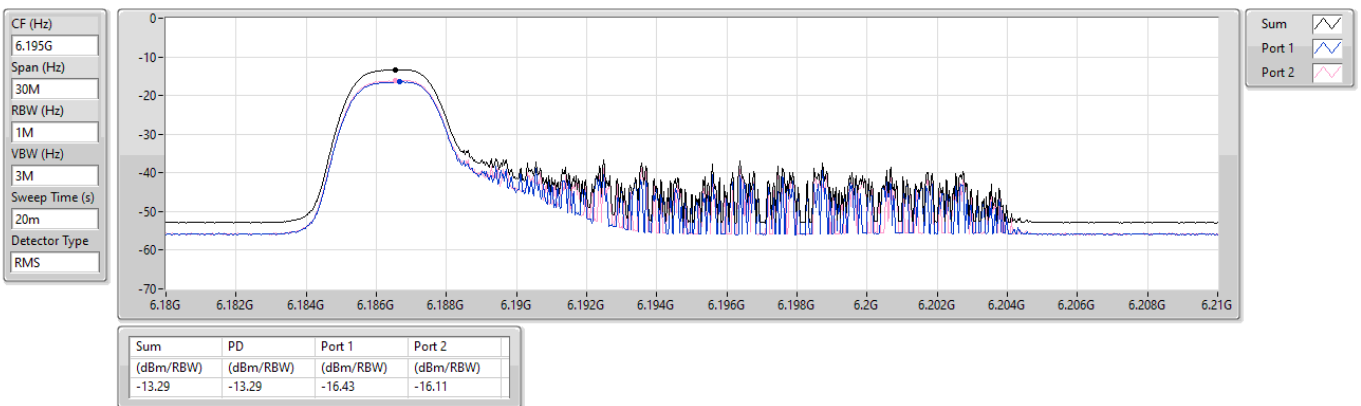


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX

PSD

6195MHz

10/12/2024



5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX

PSD

6195MHz

10/12/2024

CF (Hz)
6.195G

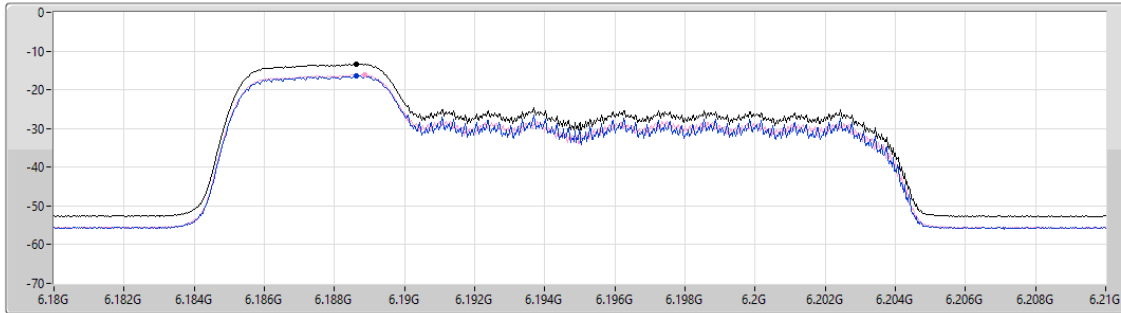
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.32	-13.32	-16.40	-16.14

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX

PSD

6195MHz

10/12/2024

CF (Hz)
6.195G

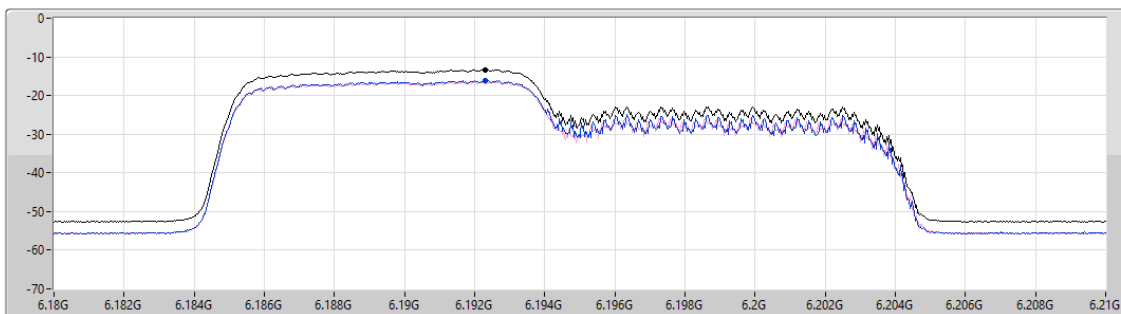
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

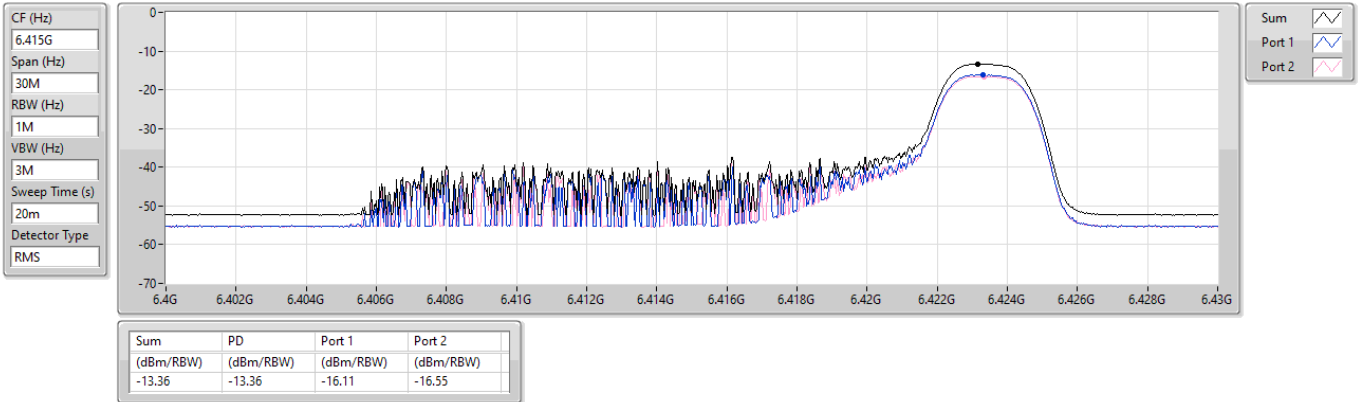
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.32	-13.32	-16.19	-16.48

5.925-6.425GHz_802.11ax_HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX

PSD

6415MHz

10/12/2024

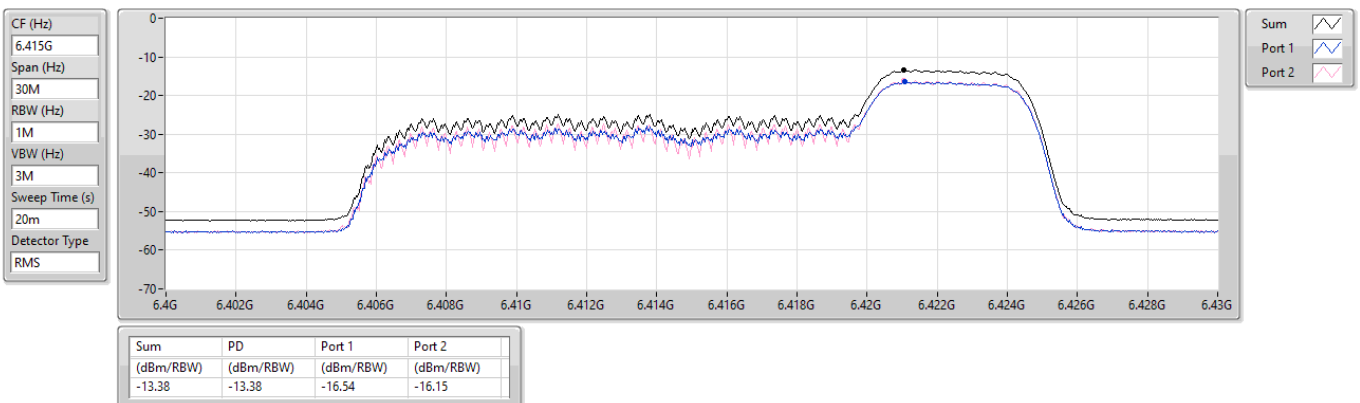


5.925-6.425GHz_802.11ax_HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX

PSD

6415MHz

10/12/2024



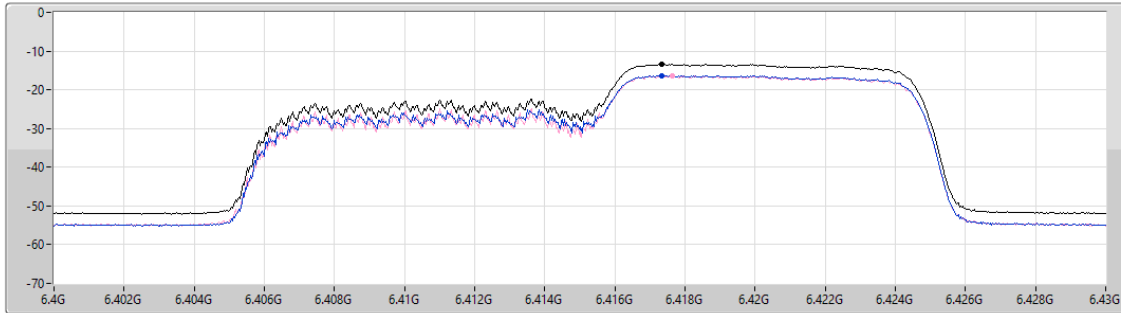
5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX

PSD

6415MHz

10/12/2024

CF (Hz)
6.415G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.38	-13.38	-16.29	-16.45

Sum
Port 1
Port 2

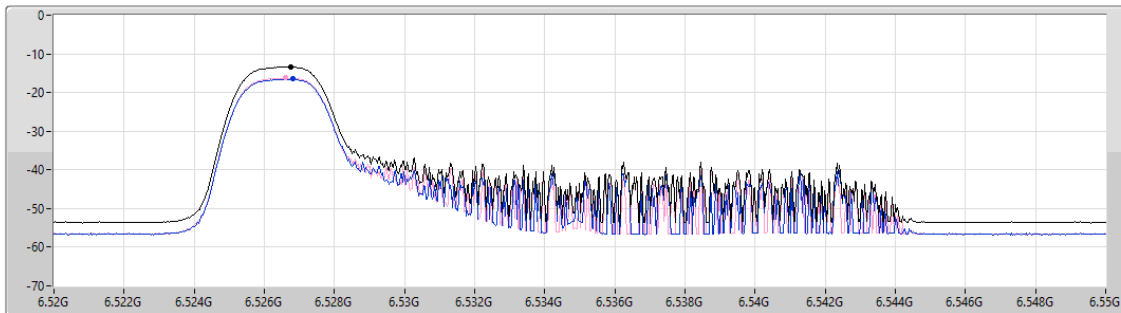
6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX

PSD

6535MHz

10/12/2024

CF (Hz)
6.535G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.39	-13.39	-16.48	-16.25

Sum
Port 1
Port 2

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX

PSD

6535MHz

10/12/2024

CF (Hz)
6.535G

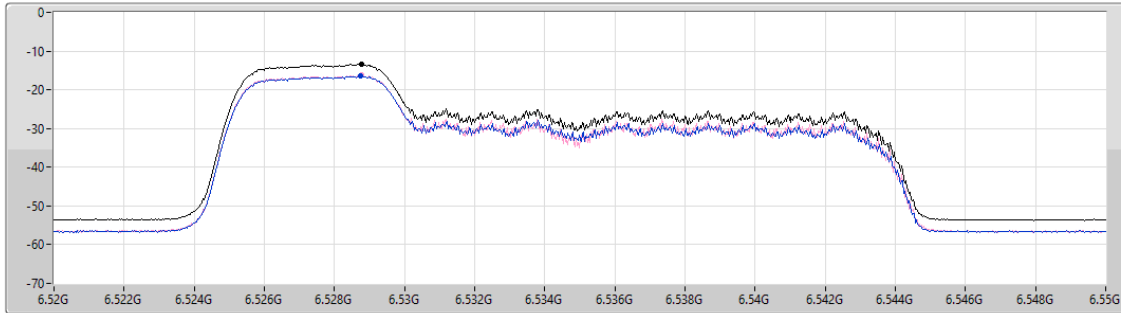
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.38	-13.38	-16.52	-16.22

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX

PSD

6535MHz

10/12/2024

CF (Hz)
6.535G

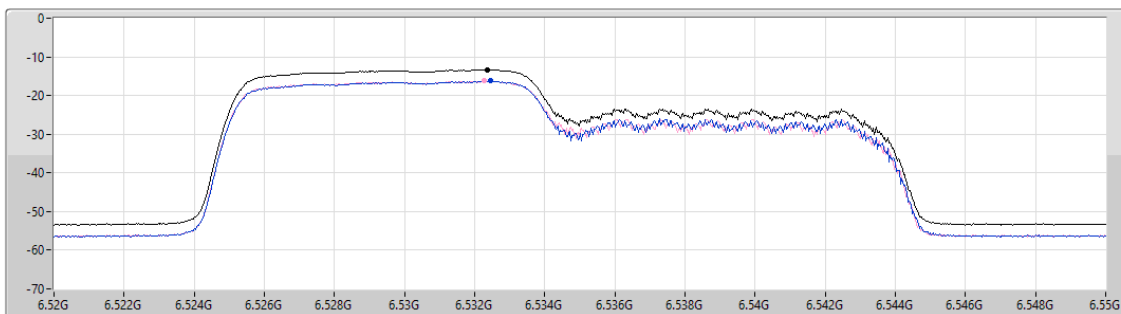
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.27	-13.27	-16.26	-16.22

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX

PSD

6695MHz

10/12/2024

CF (Hz)
6.695G

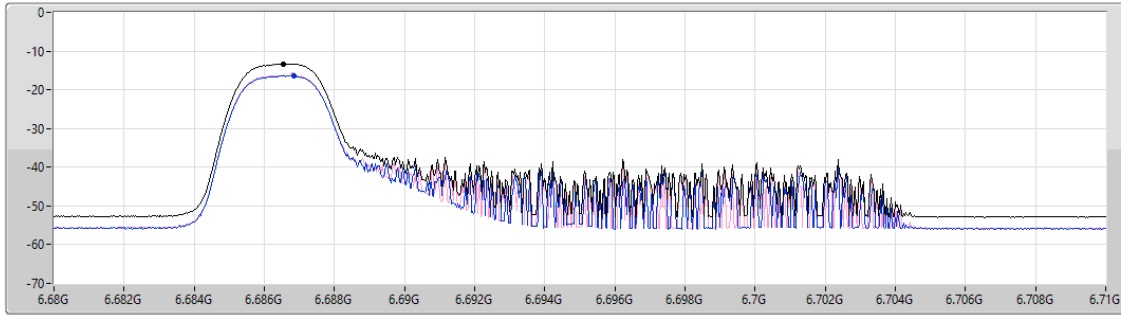
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.32	-13.32	-16.40	-16.21

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX

PSD

6695MHz

10/12/2024

CF (Hz)
6.695G

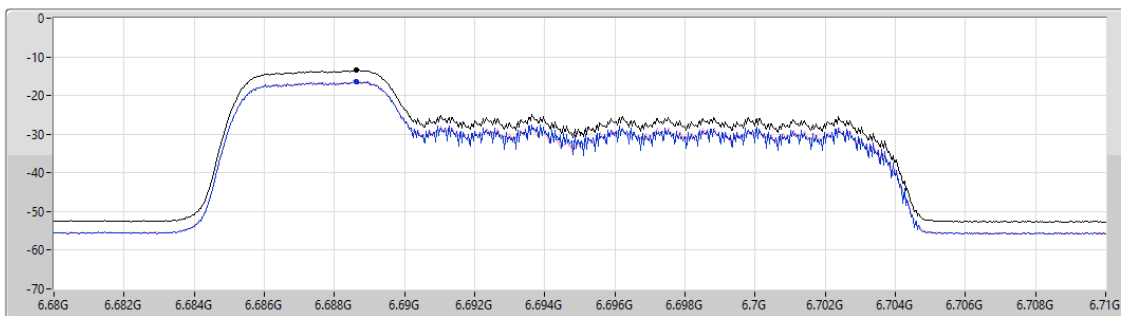
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.39	-13.39	-16.36	-16.39

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX

PSD

6695MHz

10/12/2024

CF (Hz)
6.695G

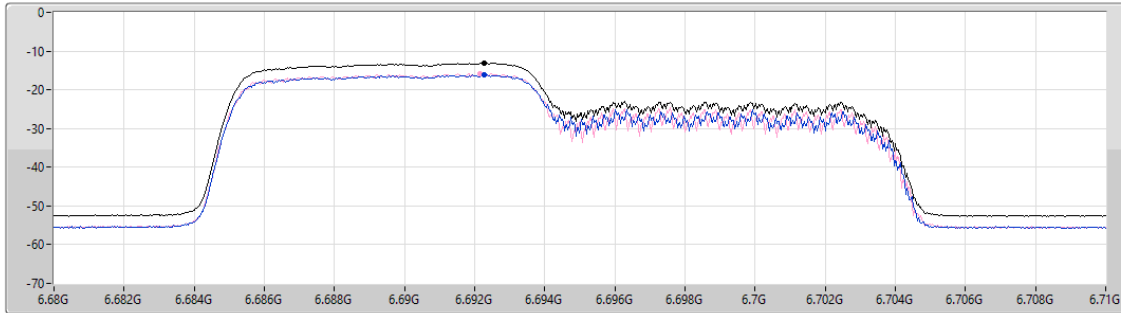
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.16	-13.16	-16.12	-15.83

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX

PSD

6855MHz

10/12/2024

CF (Hz)
6.855G

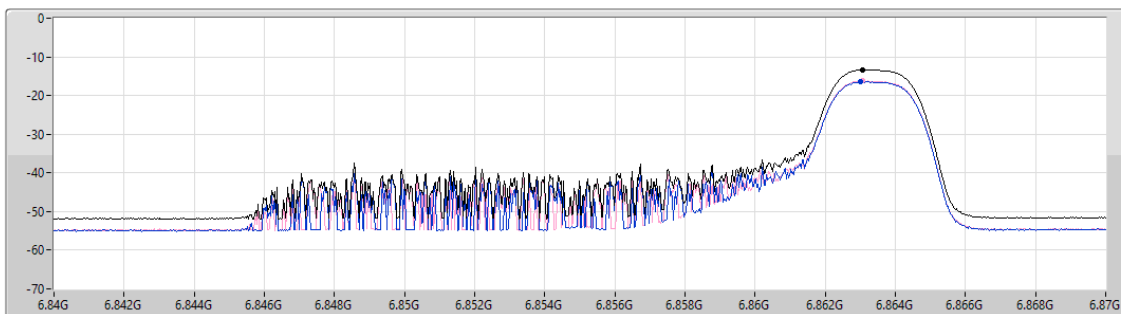
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.34	-13.34	-16.43	-16.23

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX

PSD

6855MHz

10/12/2024

CF (Hz)
6.855G

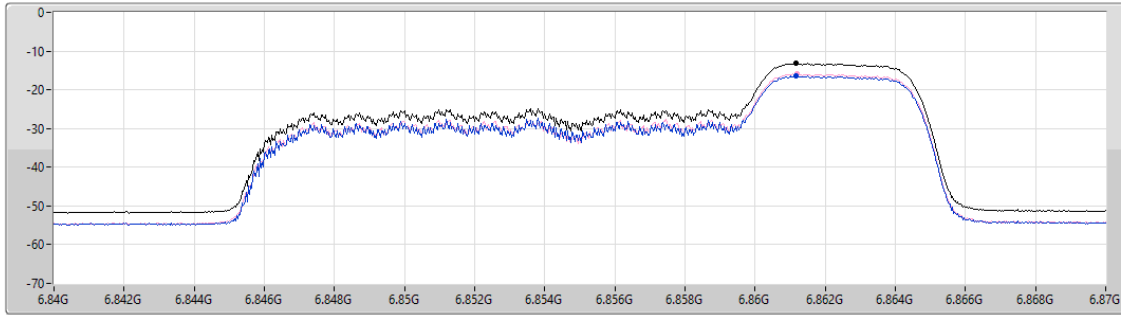
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.16	-13.16	-16.39	-15.91

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX

PSD

6855MHz

10/12/2024

CF (Hz)
6.855G

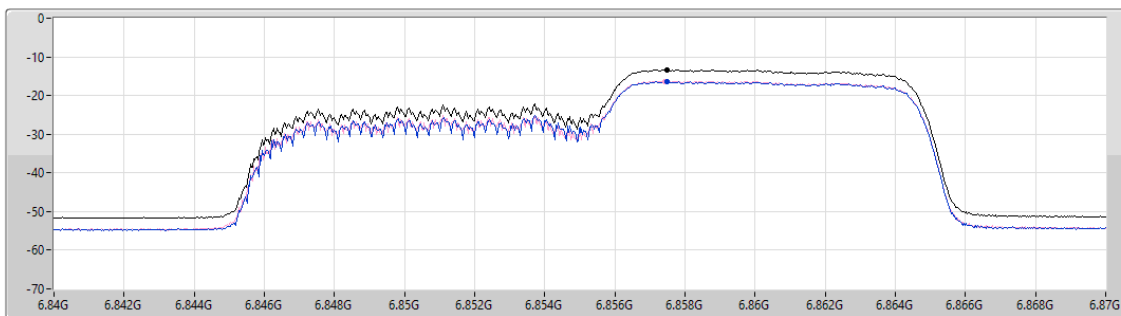
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.37	-13.37	-16.44	-16.28



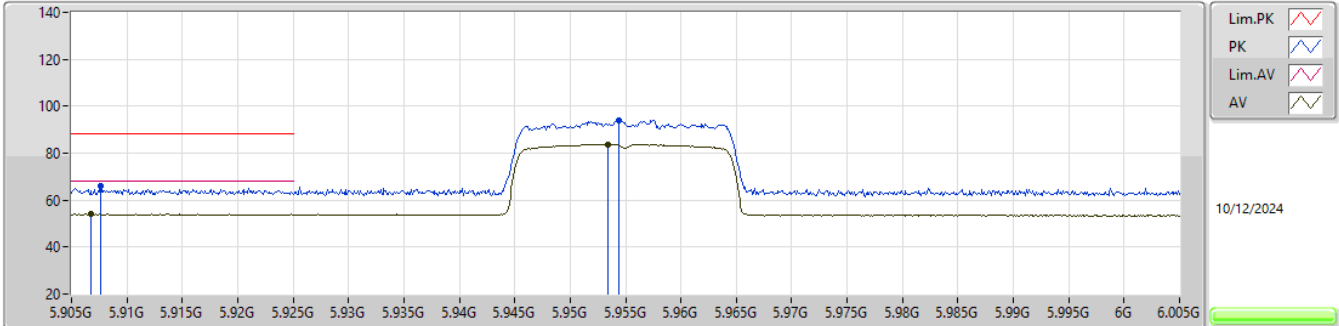
Test Mode: Mode 1

Summary

Mode	Result	Type	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
5.925-6.425GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	Pass	AV	17.96382G	47.01	54.00	-6.99	3	Horizontal	41	1.35	-

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

5955MHz_TX

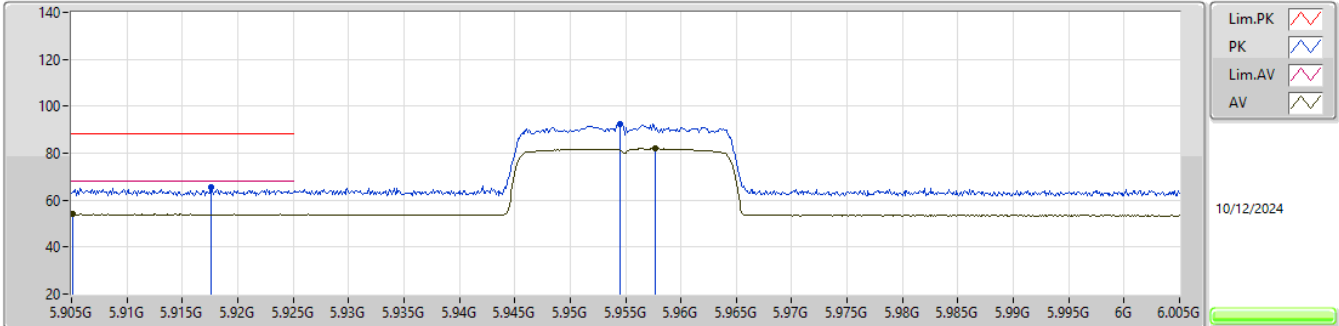


EUT_Y_1TX
Setting 1
02-R-G-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)				
PK	5.9076G	65.91	88.20	-22.29	54.47	3	Vertical	159	2.22	-	34.20	7.87	30.63				
RMS	5.9068G	53.98	68.20	-14.22	42.54	3	Vertical	159	2.22	-	34.20	7.87	30.63				
PK	5.9544G	94.22	Inf	-Inf	82.73	3	Vertical	159	2.22	-	34.21	7.90	30.62				
RMS	5.9534G	83.66	Inf	-Inf	72.17	3	Vertical	159	2.22	-	34.21	7.90	30.62				

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

5955MHz_TX

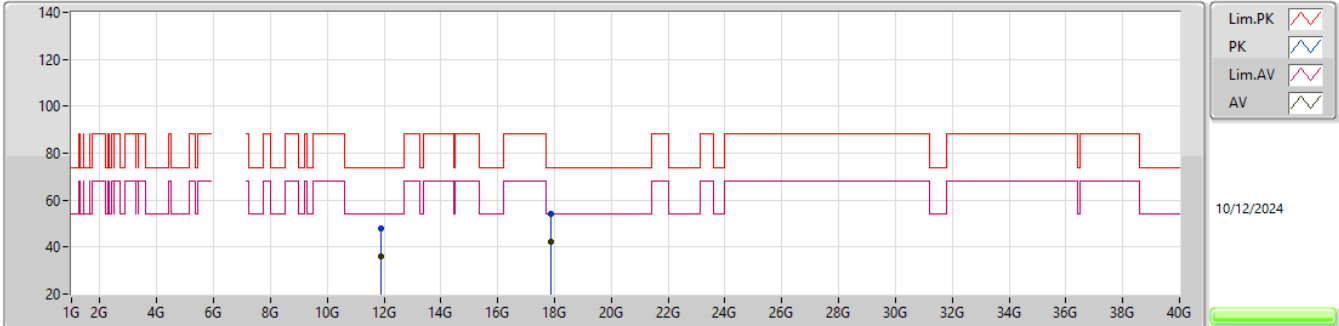


EUT_Y_1TX
Setting 1
02-R-G-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)				
PK	5.9176G	65.47	88.20	-22.73	54.02	3	Horizontal	166	1.76	-	34.20	7.88	30.63				
RMS	5.9051G	54.01	68.20	-14.19	42.57	3	Horizontal	166	1.76	-	34.20	7.87	30.63				
PK	5.9545G	92.38	Inf	-Inf	80.89	3	Horizontal	166	1.76	-	34.21	7.90	30.62				
RMS	5.9577G	81.95	Inf	-Inf	70.45	3	Horizontal	166	1.76	-	34.22	7.90	30.62				

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

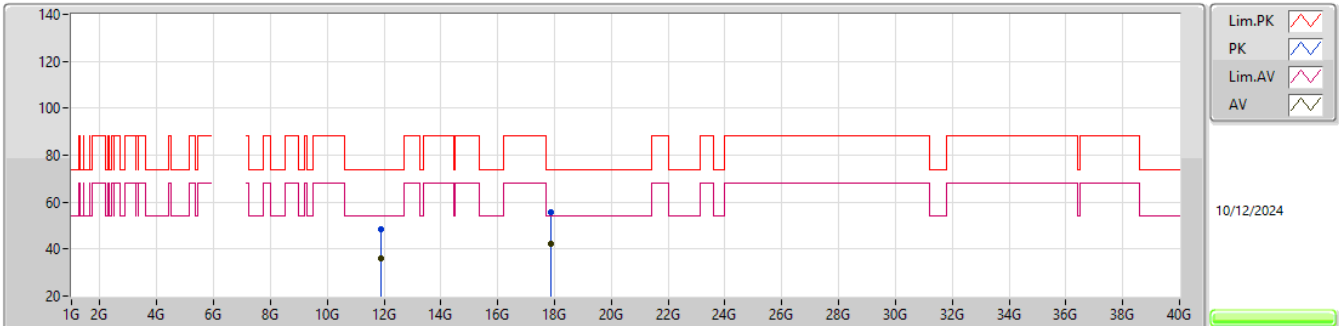
5955MHz_TX

EUT_Y_1TX
Setting 1
02-R-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.91206G	48.09	74.00	-25.91	42.03	3	Vertical	283	1.80	-	39.38	12.02	45.34			
AV	11.90678G	35.95	54.00	-18.05	29.88	3	Vertical	283	1.80	-	39.39	12.02	45.34			
PK	17.86747G	54.09	74.00	-19.91	38.82	3	Vertical	182	1.00	-	46.83	12.76	44.32			
AV	17.86838G	42.21	54.00	-11.79	26.93	3	Vertical	182	1.00	-	46.84	12.76	44.32			

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

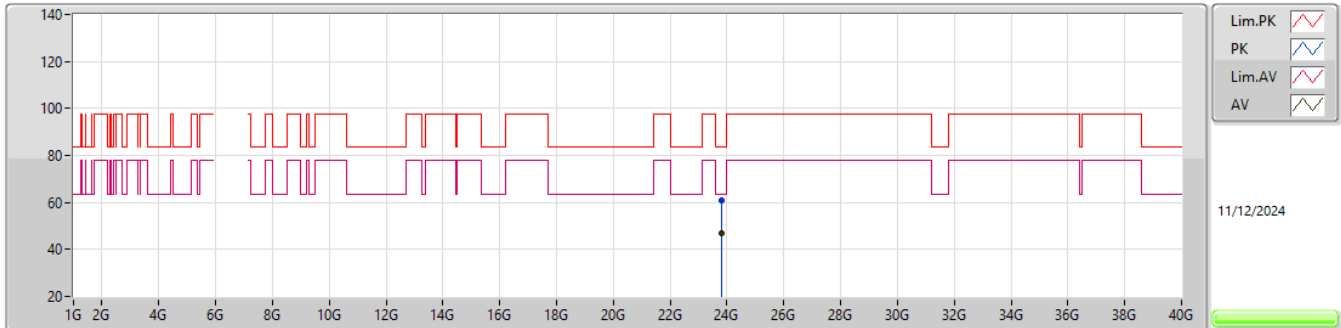
5955MHz_TX

EUT_Y_1TX
Setting 1
02-R-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.91219G	48.33	74.00	-25.67	42.27	3	Horizontal	190	1.80	-	39.38	12.02	45.34			
AV	11.9097G	36.12	54.00	-17.88	30.06	3	Horizontal	190	1.80	-	39.38	12.02	45.34			
PK	17.86754G	55.45	74.00	-18.55	40.17	3	Horizontal	115	1.80	-	46.84	12.76	44.32			
AV	17.86805G	42.30	54.00	-11.70	27.02	3	Horizontal	115	1.80	-	46.84	12.76	44.32			

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

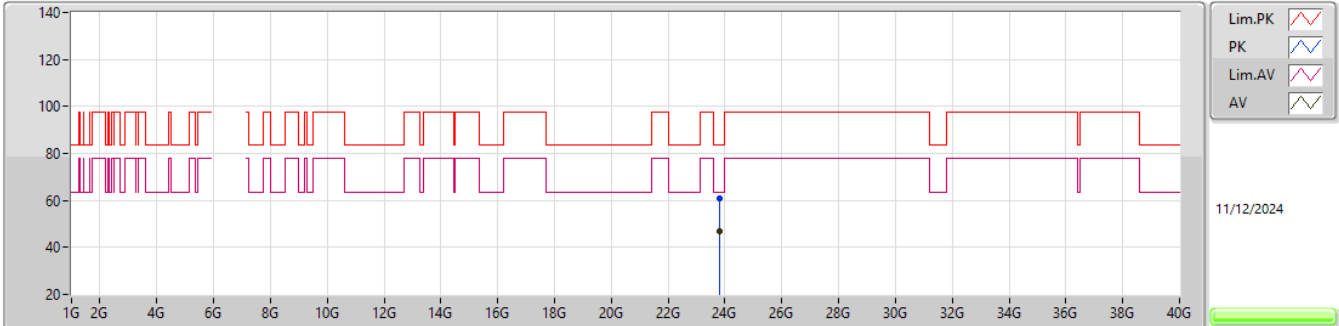
5955MHz_TX

EUT_Y_1TX
Setting 1
02-R-Y-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	23.82081G	61.07	83.54	-22.47	52.36	1	Vertical	316	2.99	-	39.10	17.28	47.67			
AV	23.8192G	47.14	63.54	-16.40	38.43	1	Vertical	316	2.99	-	39.10	17.28	47.67			

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

5955MHz_TX

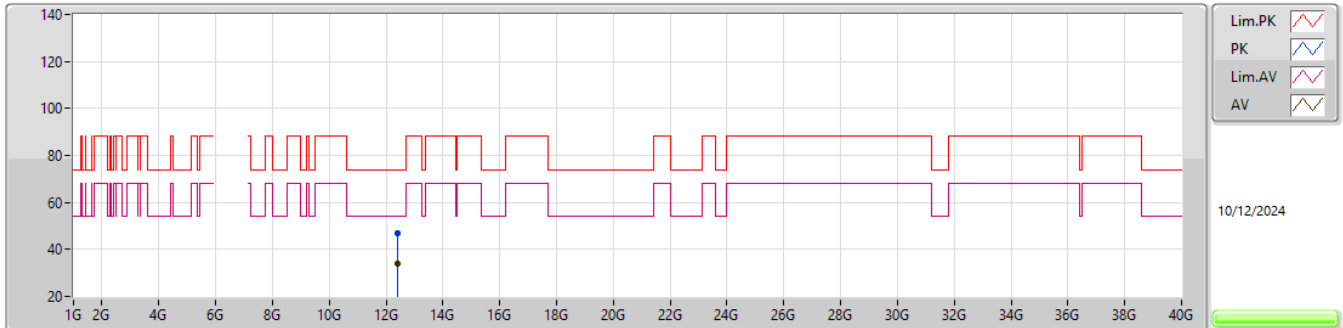


EUT_Y_1TX
Setting 1
02-R-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	23.81844G	60.69	83.54	-22.85	51.98	1	Horizontal	271	1.11	-	39.10	17.28	47.67			
AV	23.81623G	47.07	63.54	-16.47	38.36	1	Horizontal	271	1.11	-	39.10	17.28	47.67			

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

6195MHz_TX

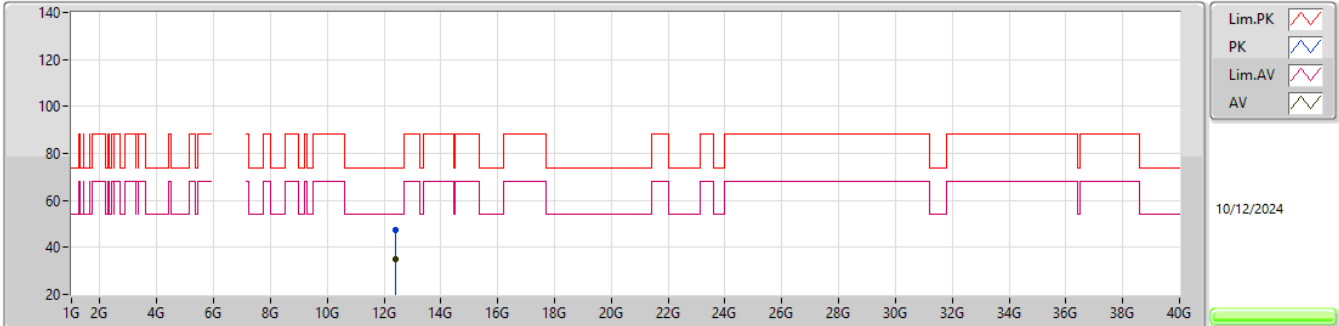


EUT_V_1TX
Setting 1.5
02-R-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	12.39349G	46.76	74.00	-27.24	41.51	3	Vertical	163	1.80	-	38.80	12.02	45.57			
AV	12.38967G	34.15	54.00	-19.85	28.90	3	Vertical	163	1.80	-	38.80	12.02	45.57			

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

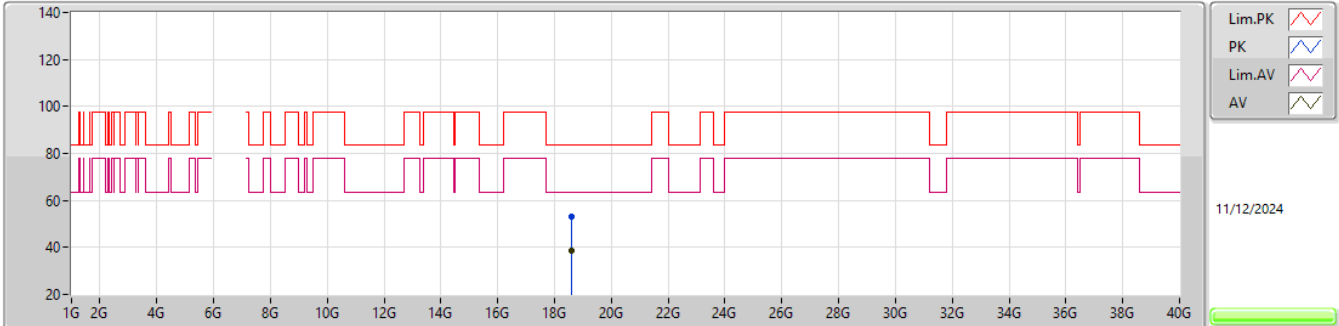
6195MHz_TX

EUT_V_1TX
Setting 1.5
02-R-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	12.38989G	47.63	74.00	-26.37	42.38	3	Horizontal	149	1.80	-	38.80	12.02	45.57			
AV	12.38981G	34.97	54.00	-19.03	29.72	3	Horizontal	149	1.80	-	38.80	12.02	45.57			

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

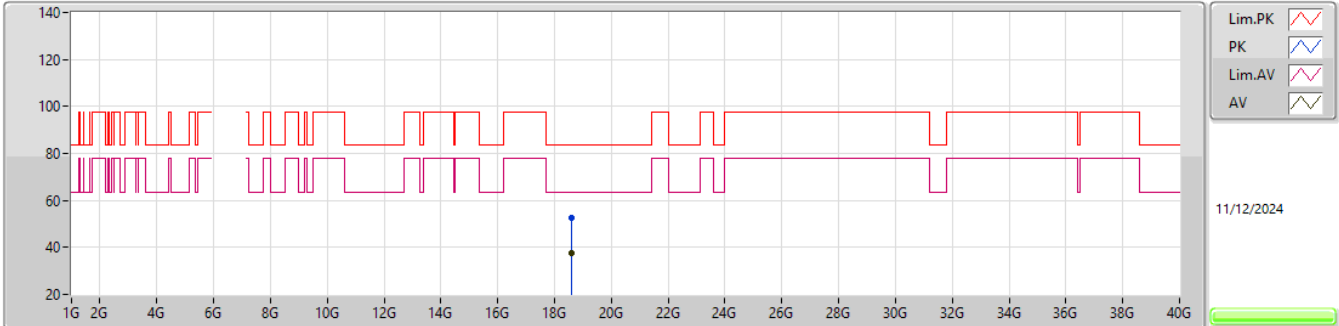
6195MHz_TX

EUT_Y_1TX
Setting 1.5
02-R-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	18.58041G	52.94	83.54	-30.60	48.26	1	Vertical	277	1.82	-	37.80	15.26	48.38			
AV	18.58032G	38.71	63.54	-24.83	34.03	1	Vertical	277	1.82	-	37.80	15.26	48.38			

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

6195MHz_TX

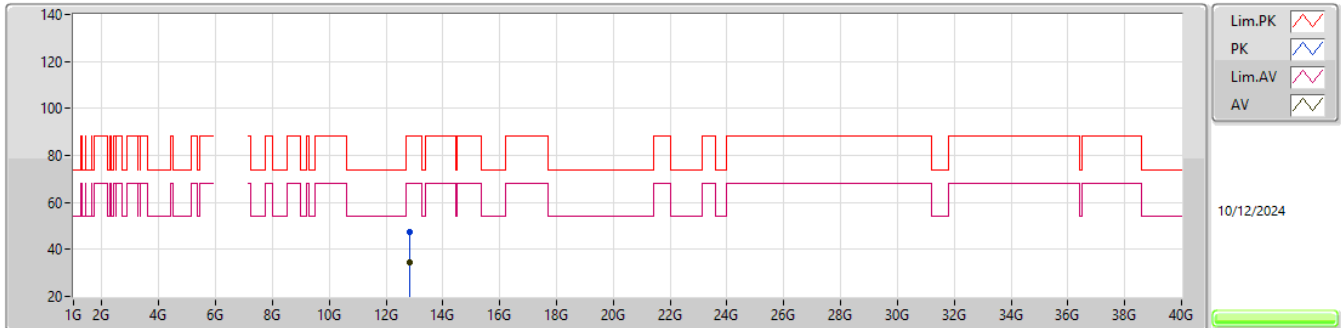


EUT_Y_1TX
Setting 1.5
02-R-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	18.58961G	52.61	83.54	-30.93	47.95	1	Horizontal	135	2.96	-	37.80	15.25	48.39			
AV	18.58477G	37.71	63.54	-25.83	33.04	1	Horizontal	135	2.96	-	37.80	15.25	48.38			

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

6415MHz_TX

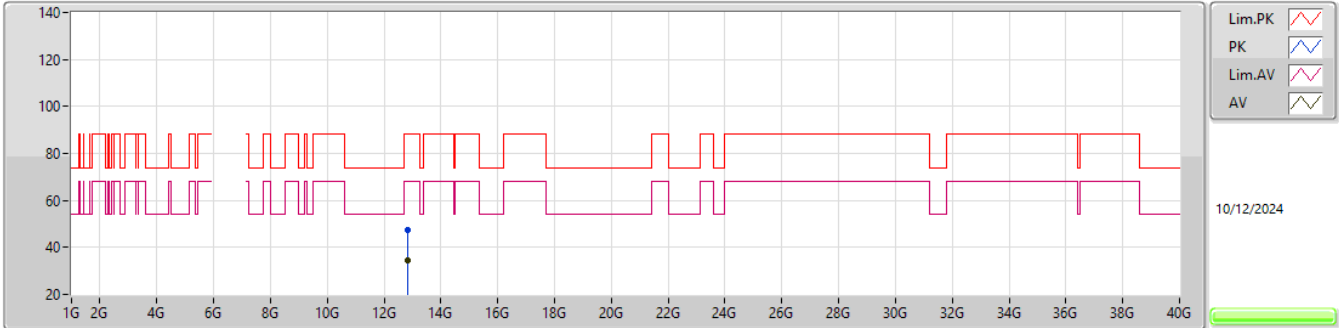


EUT_V_1TX
Setting 2
02-R-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	12.82697G	47.19	88.20	-41.01	41.54	3	Vertical	39	2.81	-	38.95	11.96	45.26			
RMS	12.83379G	34.48	68.20	-33.72	28.82	3	Vertical	39	2.81	-	38.97	11.95	45.26			

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

6415MHz_TX



EUT_V_1TX
Setting 2
02-R-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	12.83219G	47.56	88.20	-40.64	41.90	3	Horizontal	360	1.80	-	38.96	11.96	45.26			
RMS	12.83338G	34.55	68.20	-33.65	28.89	3	Horizontal	360	1.80	-	38.97	11.95	45.26			