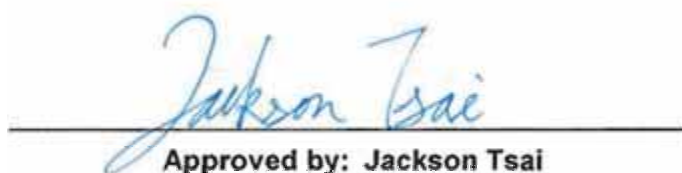


FCC Radio Test Report

FCC ID : UIDX6
Equipment : 11ax Tri-band Extender
Brand Name : ARRIS
Model Name : X6
Applicant : ARRIS
3871 Lakefield Drive Suite 300 SUWANEE Georgia
United States 30024
Manufacturer : Gemtek Technology
No.15-1 Zhonghua Road, Hsinchu Industrial Park,
Hukou, Hsinchu, Taiwan, R.O.C
Standard : 47 CFR FCC Part 15.407

The product was received on Aug. 29, 2022, and testing was started from Sep. 14, 2022 and completed on Dec. 25, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



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PHOTOGRAPHS OF EUT V01	

[illegible]



Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Barry Hsiao

Report Producer: Michelle Tsai



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX



Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.25-5.35GHz	802.11ax HEW80	80	2TX
5.47-5.725GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX
5.15-5.25GHz	802.11ax HEW160	160	2TX
5.25-5.35GHz	802.11ax HEW160	160	2TX
5.47-5.725GHz	802.11ax HEW160	160	2TX
5.725-5.85GHz	802.11ax HEW160	160	2TX

Beamforming

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ax HEW20-BF	20	2TX
5.25-5.35GHz	802.11ax HEW20-BF	20	2TX
5.47-5.725GHz	802.11ax HEW20-BF	20	2TX
5.725-5.85GHz	802.11ax HEW20-BF	20	2TX
5.15-5.25GHz	802.11ax HEW40-BF	40	2TX
5.25-5.35GHz	802.11ax HEW40-BF	40	2TX
5.47-5.725GHz	802.11ax HEW40-BF	40	2TX
5.725-5.85GHz	802.11ax HEW40-BF	40	2TX
5.15-5.25GHz	802.11ax HEW80-BF	80	2TX
5.25-5.35GHz	802.11ax HEW80-BF	80	2TX
5.47-5.725GHz	802.11ax HEW80-BF	80	2TX
5.725-5.85GHz	802.11ax HEW80-BF	80	2TX
5.15-5.25GHz	802.11ax HEW160-BF	160	2TX
5.25-5.35GHz	802.11ax HEW160-BF	160	2TX
5.47-5.725GHz	802.11ax HEW160-BF	160	2TX
5.725-5.85GHz	802.11ax HEW160-BF	160	2TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80, VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40, HEW80, HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	Gemtek	LPVN-GM-TX-P-005	PCB	I-Pex	2.4GHz+5GHz
2	Gemtek	LPVN-GM-TX-P-006	PCB	I-Pex	2.4GHz+5GHz
3	Gemtek	LPVN-GM-TX-P-001	PCB	I-Pex	6GHz
4	Gemtek	LPVN-GM-TX-P-002	PCB	I-Pex	6GHz
5	Gemtek	LPVN-GM-TX-P-003	PCB	I-Pex	6GHz
6	Gemtek	LPVN-GM-TX-P-004	PCB	I-Pex	6GHz

Ant.	Port	Gain (dBi)								
		2.4GHz	5GHz				6GHz			
			U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	U-NII-5	U-NII-6	U-NII-7	U-NII-8
1	1	3.78	2.01	1.76	2.74	2.04	-	-	-	-
2	2	4.11	2.22	2.21	2.44	3.62	-	-	-	-
3	1	-	-	-	-	-	2.62	2.46	2.28	3.06
4	2	-	-	-	-	-	2.13	2.19	3.40	2.53
5	3	-	-	-	-	-	2.96	2.22	2.03	3.37
6	4	-	-	-	-	-	3.02	2.13	2.41	2.78

Composite Gain (dBi)									
2.4GHz		5GHz							
		U-NII-1		U-NII-2A		U-NII-2C		U-NII-3	
2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S
4.46	4.11	2.65	2.22	2.78	2.21	3.08	2.74	4.24	3.62

Note 1: The EUT has six antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

For 6GHz function:

For IEEE 802.11 a/ax mode (4TX/4RX)

Ant. 3 (port 1) ~ Ant. 6 (port 4) could transmit/receive simultaneously.



1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
EUT Function	☐ Outdoor AP	☒	Indoor AP
	☐ Fixed P2P AP	☐	Client
Beamforming Function	☒ With beamforming	☐	Without beamforming
TPC Function	☒ With TPC Function	☐	Without TPC Function
Weather Band	☒ With 5600~5650MHz	☐	Without 5600~5650MHz
Resource Unit(802.11ax)	☒ Full RU	☐	Partial RU
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.: ...		
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		
☐	Other:		

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a_Nss1,(6Mbps)_2TX	0.951	0.22	2.064m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.980	0.09	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW20_Nss2,(MCS0)_2TX	0.982	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40_Nss1,(MCS0)_2TX	0.965	0.15	780.313u	3k
802.11ax HEW40_Nss2,(MCS0)_2TX	0.965	0.15	780.625u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.934	0.3	413.438u	3k
802.11ax HEW80_Nss2,(MCS0)_2TX	0.932	0.31	413.438u	3k
802.11ax HEW160_Nss1,(MCS0)_2TX	0.888	0.52	236.563u	10k
802.11ax HEW160_Nss2,(MCS0)_2TX	0.888	0.52	236.563u	10k

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

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.957	0.19	2.943m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.960	0.18	4.38m	300
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.959	0.18	4.153m	300
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	0.962	0.17	5.169m	300

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

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ KDB 789033 D02 v02r01

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

- ♦ KDB 662911 D01 v02r01
- ♦ KDB 662911 D03 v01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Wayne Chiu	22.1~22.7°C / 57~59%	03/Oct/2022
RF Conducted	TH01-HY	Luby hsu	22.1~25.6°C / 51~57%	27/Sep/2022~28/Oct/2022
☒ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH09-HY	Lego Lin	25.1~26.2°C / 55~60%	14/Sep/2022~24/Oct/2022
Radiated (Co-location)	03CH09-HY	Lego Lin	25.1~26.2°C / 55~60%	25/Dec/2022

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Emission Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Unwanted Emissions	4.8 dB	Confidence levels of 95%
Receiver Radiated Unwanted Emissions	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Non-Beamforming

Test Software Version	accessMTool_REL_3_2_1_5
Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	86
5200MHz	94
5240MHz	94
5260MHz	82
5300MHz	82
5320MHz	83
5500MHz	80
5580MHz	85
5700MHz	67
5720MHz Straddle 5.47-5.725GHz	88
5720MHz Straddle 5.725-5.85GHz	88
5745MHz	94
5785MHz	89
5825MHz	91
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	85
5200MHz	94
5240MHz	94
5260MHz	82
5300MHz	82
5320MHz	83
5500MHz	83
5580MHz	85
5700MHz	64
5720MHz Straddle 5.47-5.725GHz	89
5720MHz Straddle 5.725-5.85GHz	89
5745MHz	94
5785MHz	93



Mode	Power Setting
5825MHz	94
802.11ax HEW20_Nss2,(MCS0)_2TX	-
5180MHz	84
5200MHz	94
5240MHz	94
5260MHz	82
5300MHz	82
5320MHz	83
5500MHz	84
5580MHz	85
5700MHz	70
5720MHz Straddle 5.47-5.725GHz	88
5720MHz Straddle 5.725-5.85GHz	88
5745MHz	94
5785MHz	94
5825MHz	94
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	81
5230MHz	90
5270MHz	83
5310MHz	78
5510MHz	83
5550MHz	84
5670MHz	85
5710MHz Straddle 5.47-5.725GHz	88
5710MHz Straddle 5.725-5.85GHz	88
5755MHz	94
5795MHz	94
802.11ax HEW40_Nss2,(MCS0)_2TX	-
5190MHz	83
5230MHz	92
5270MHz	83
5310MHz	80
5510MHz	83
5550MHz	84
5670MHz	85



Mode	Power Setting
5710MHz Straddle 5.47-5.725GHz	88
5710MHz Straddle 5.725-5.85GHz	88
5755MHz	94
5795MHz	94
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	79
5290MHz	81
5530MHz	81
5610MHz	81
5690MHz Straddle 5.47-5.725GHz	85
5690MHz Straddle 5.725-5.85GHz	85
5775MHz	89
802.11ax HEW80_Nss2,(MCS0)_2TX	-
5210MHz	80
5290MHz	82
5530MHz	77
5610MHz	81
5690MHz Straddle 5.47-5.725GHz	85
5690MHz Straddle 5.725-5.85GHz	85
5775MHz	91
802.11ax HEW160_Nss1,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	61
5250MHz Straddle 5.25-5.35GHz	61
5570MHz	60
802.11ax HEW160_Nss2,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	60
5250MHz Straddle 5.25-5.35GHz	60
5570MHz	58

**Beamforming**

Test Software Version	Dos 6.1
------------------------------	---------

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	78
5200MHz	94
5240MHz	93
5260MHz	86
5300MHz	85
5320MHz	85
5500MHz	87
5580MHz	88
5700MHz	63
5720MHz Straddle 5.47-5.725GHz	89
5720MHz Straddle 5.725-5.85GHz	89
5745MHz	94
5785MHz	94
5825MHz	94
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	79
5230MHz	92
5270MHz	88
5310MHz	83
5510MHz	86
5550MHz	86
5670MHz	86
5710MHz Straddle 5.47-5.725GHz	88
5710MHz Straddle 5.725-5.85GHz	88
5755MHz	94
5795MHz	94
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	69
5290MHz	72
5530MHz	68
5610MHz	79
5690MHz Straddle 5.47-5.725GHz	88



Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	88
5775MHz	84
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	60
5250MHz Straddle 5.25-5.35GHz	60
5570MHz	63

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Unwanted Emissions		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	2.4GHz WLAN + 5GHz WLAN + 6GHz WLAN
Refer to Sporton Test Report No.: FA282903 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	

2.3 Accessories

AC Adapter 1 (US Plug)	Brand Name	ASIAN POWER	Model Name	WB-24M12FU
	Power Rating	I/P:100-120Vac, 0.7A, O/P: 12Vdc, 2A		
	DC Power Cable	1.8 meter, non-shielded cable, w/o ferrite core		
AC Adapter 2 (US Plug)	Brand Name	NetBit	Model Name	NBS24M120200VU
	Power Rating	I/P:100-120Vac, 0.6A, O/P: 12Vdc, 2A		
	DC Power Cable	1.8 meter, non-shielded cable, w/o ferrite core		
AC Adapter 3 (US Plug)	Brand Name	NetBit	Model Name	NBS24N120200VU
	Power Rating	I/P:100-120Vac, 0.6A, O/P: 12Vdc, 2A		
	DC Power Cable	1.8 meter, non-shielded cable, w/o ferrite core		
RJ45 Cable	Category	CAT 5e	In/Out door	indoor
	Signal Line	1.5 meter, non-shielded cable		

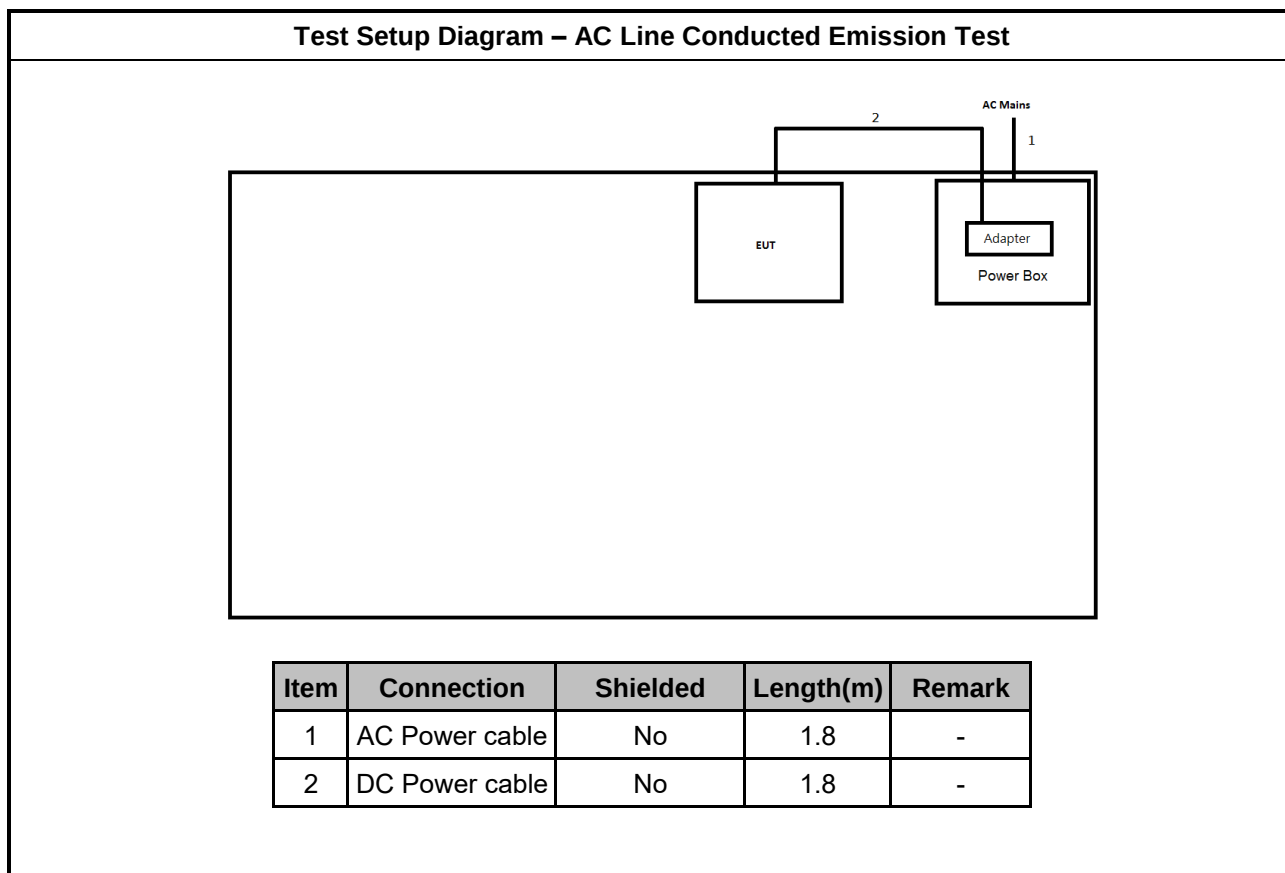
Reminder: Regarding to more detail and other information, please refer to user manual.

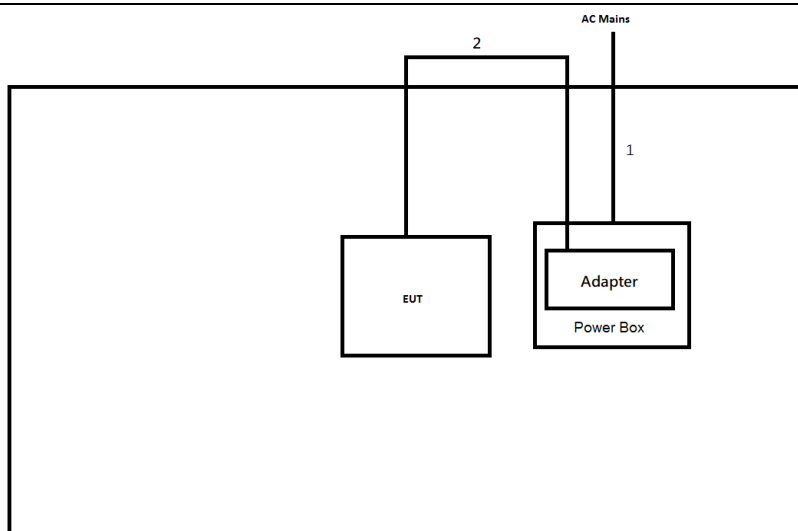
2.4 Support Equipment

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	5220M	-	Remote
2	Adapter for NB	HP	PPP012L-E	-	Remote

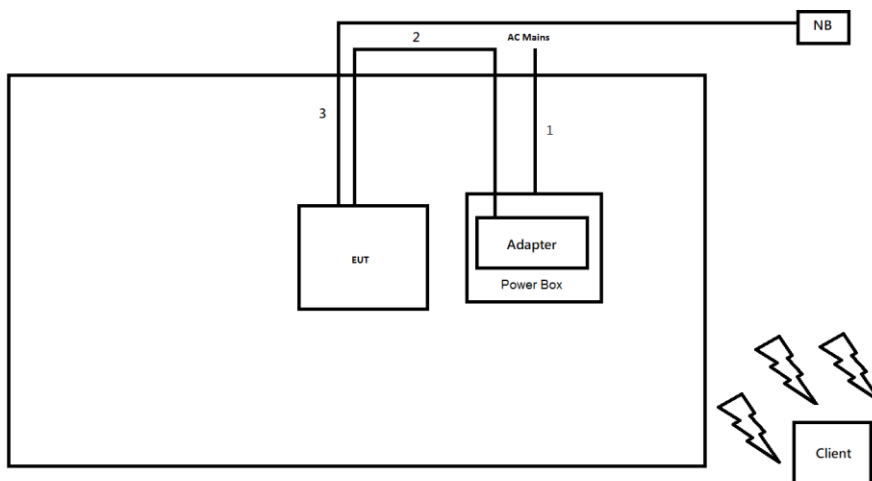
Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test (Non-Beamforming)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.8	-

Test Setup Diagram - Radiated Test (Beamforming)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.8	-
3	RJ45 cable	No	10.0	-



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

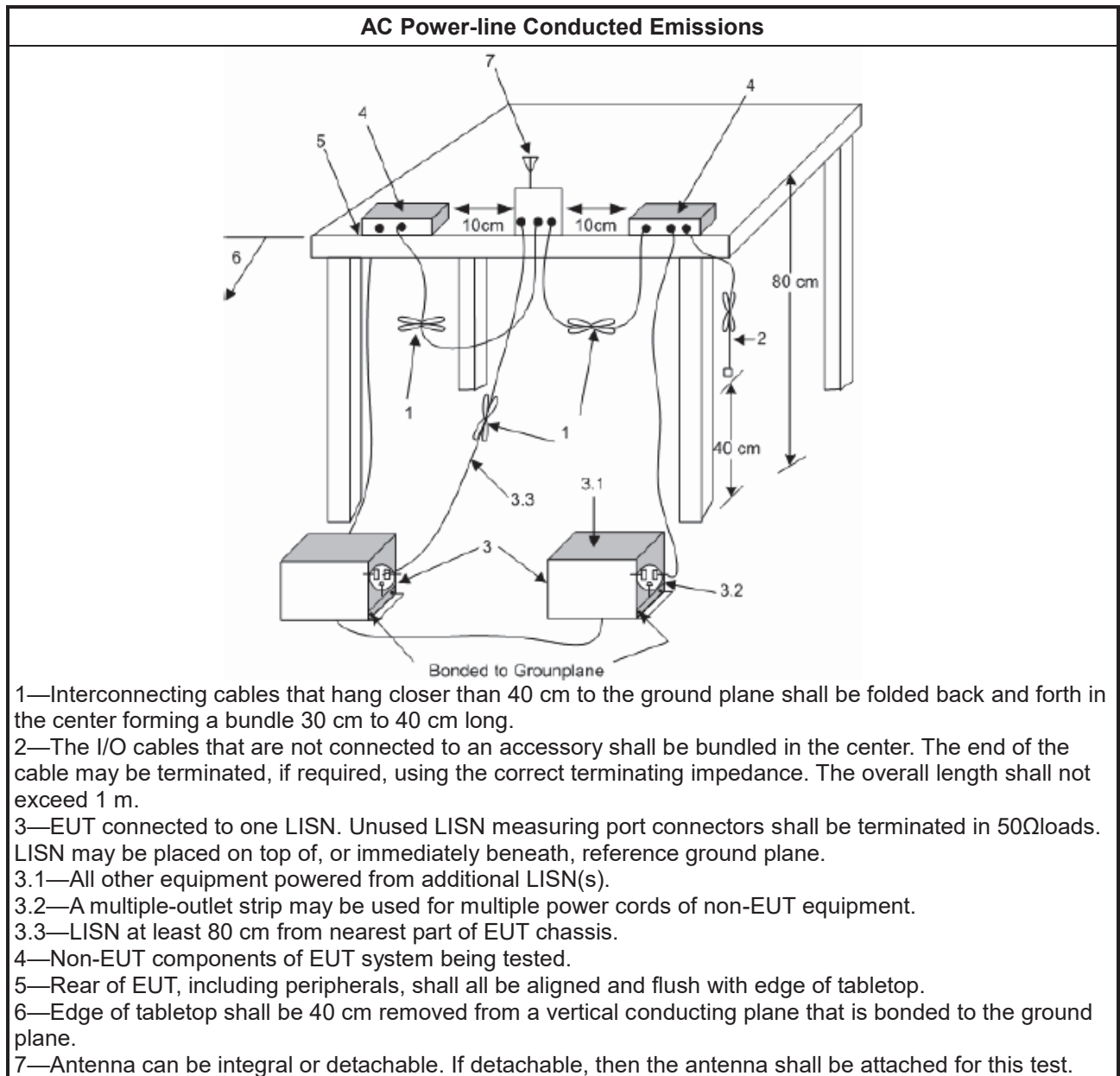
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, N/A
☒	For the 5.47-5.725 GHz band, N/A
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

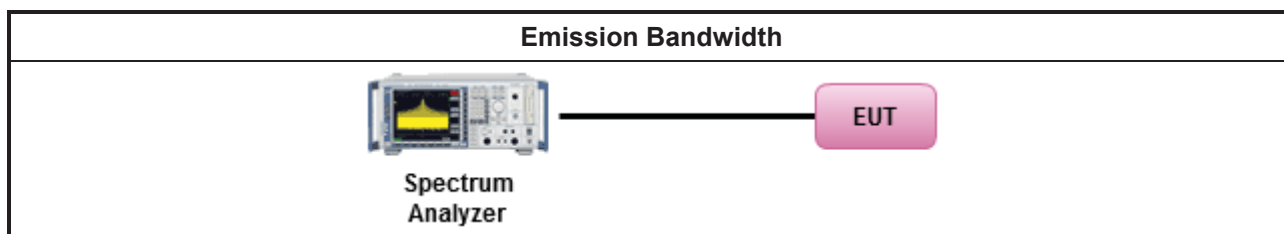
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	- Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] - Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ - Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. - Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.725-5.85 GHz band:
	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

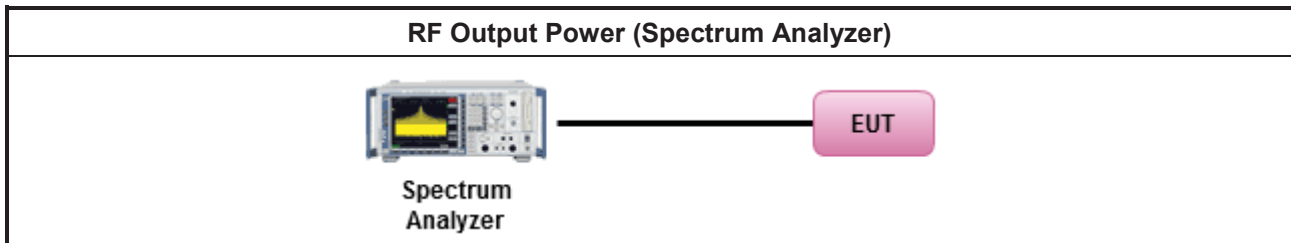
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

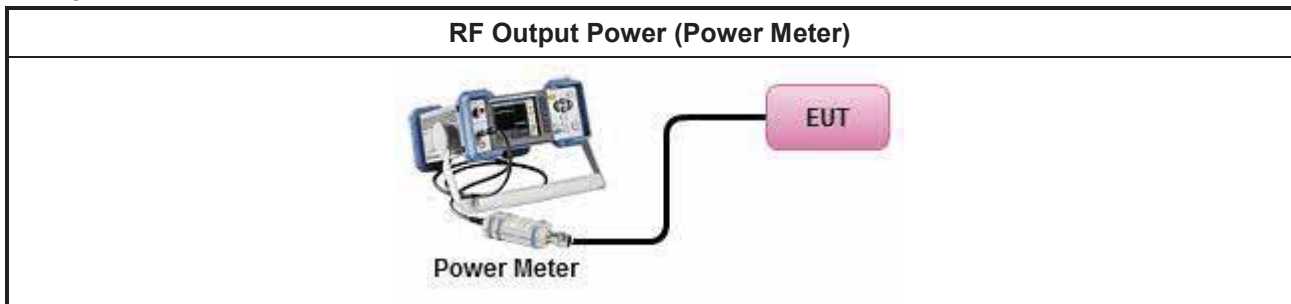
Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☒	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☒	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as 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]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

For Straddle channel



For Other channel



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$.
	Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
	Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

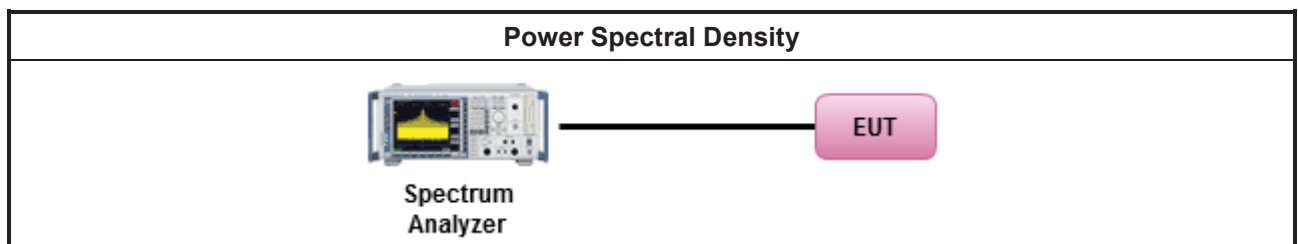
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	Duty cycle ≥ 98%
☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	Duty cycle < 98%
☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
Measure and sum the spectra across the outputs. Refer as 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.	
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]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated 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.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

Note 1: 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).

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

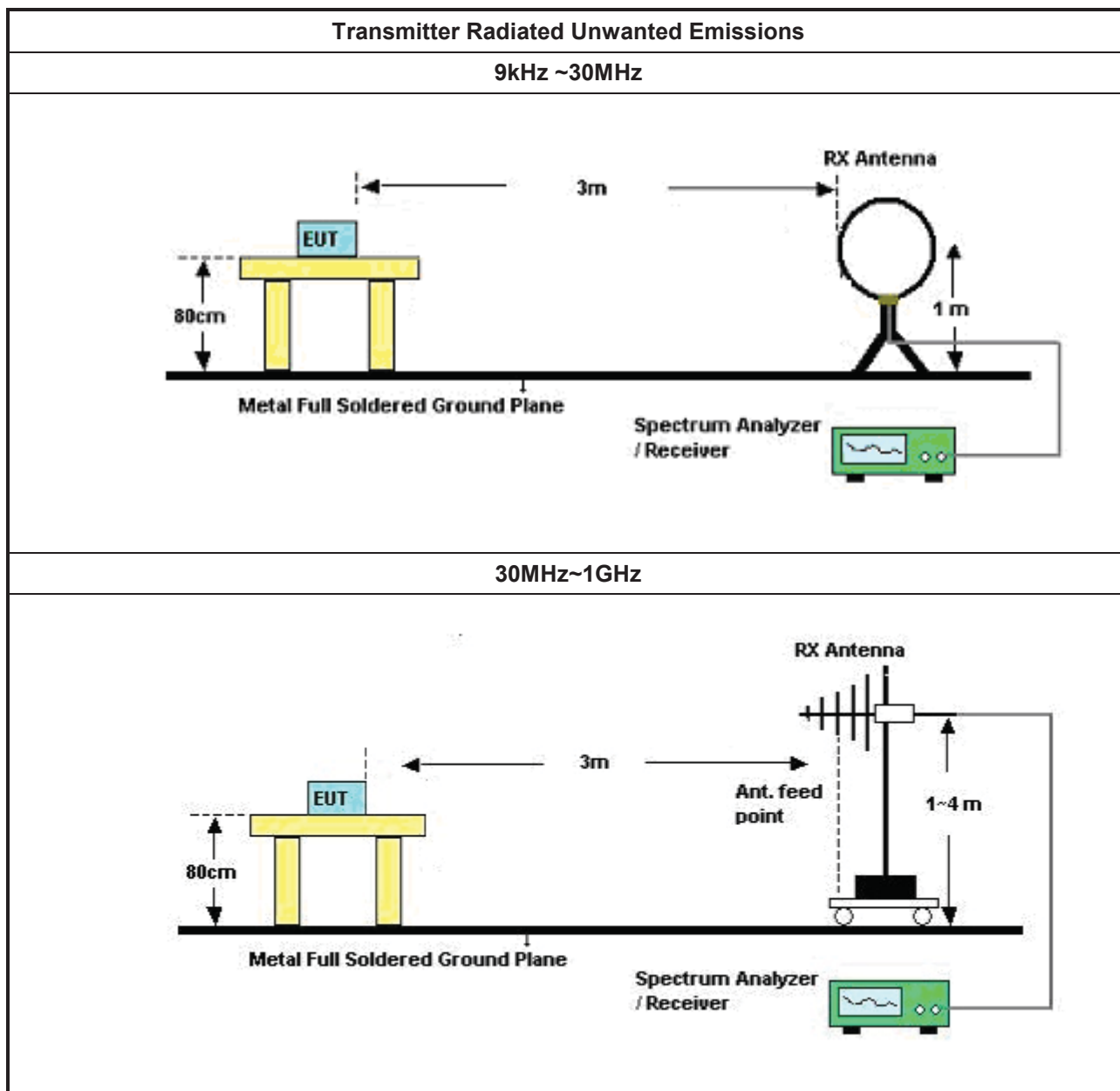
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
☒	Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
☒	Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

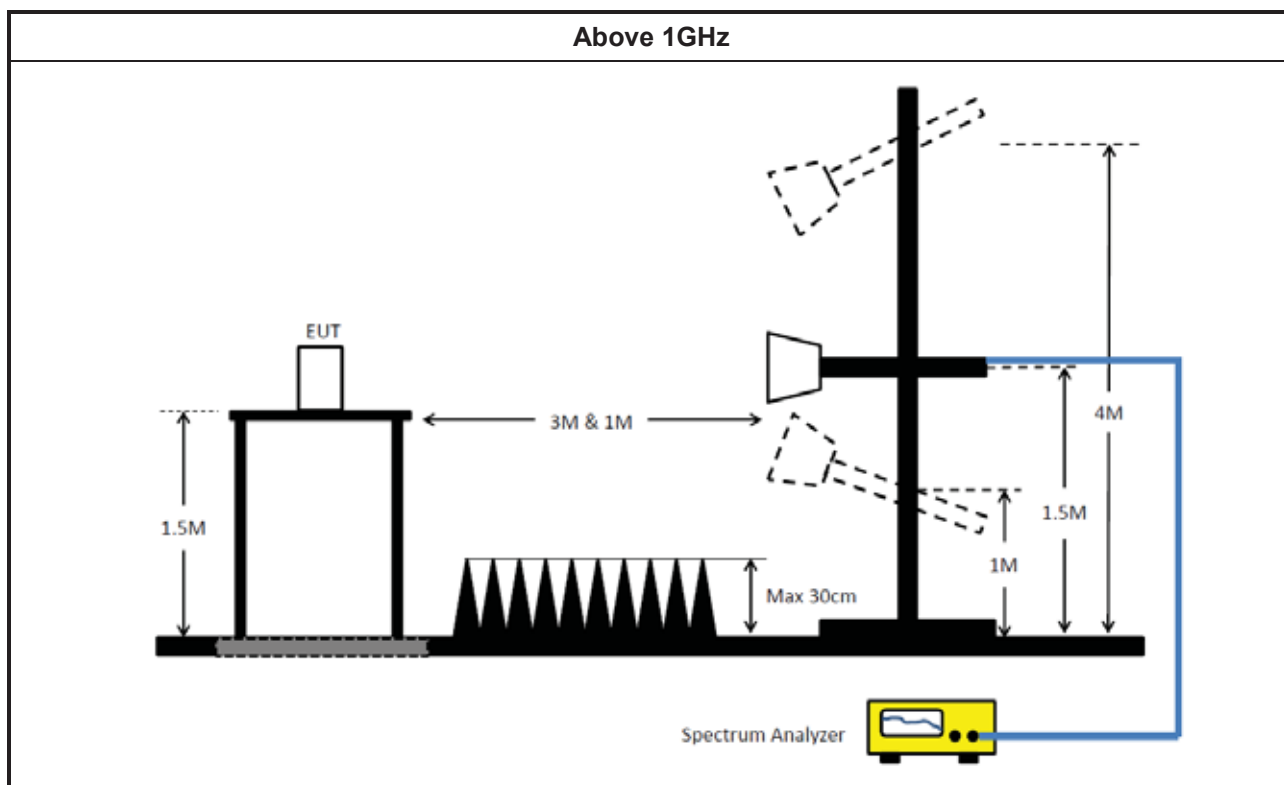
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.5 Test Setup





3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.8.7	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	01/Apr/2022	31/Mar/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	21/Feb/2022	20/Feb/2023
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	21/Feb/2022	20/Feb/2023
SENSE-15407_NII	Sporton	5.10.8.5	N/A	N/A	N/A	N/A
SENSE-15407_NII	Sporton	5.11	N/A	N/A	N/A	N/A

**Instrument for Radiated Test**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	25/Mar/2022	24/Mar/2023
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	08/Apr/2022	07/Apr/2023
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	28/Aug/2022	27/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	27/Dec/2021	26/Dec/2022
RF Cable-R03m	Jye Bao	RG142	03CH09-cable-01	9kHz~30MHz	17/Aug/2022	16/Aug/2023
RF Cable-low	Jye Bao	RG142	CB031+324530/4	30MHz~1GHz	07/Feb/2022	06/Feb/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	13/May/2022	12/May/2023
SENSE-15247_NII	Sporton	V5.10.8.7.3	N/A	N/A	N/A	N/A

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	27/Dec/2021	26/Dec/2022
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-EMI	Sporton	NA	V5.10.8.7	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

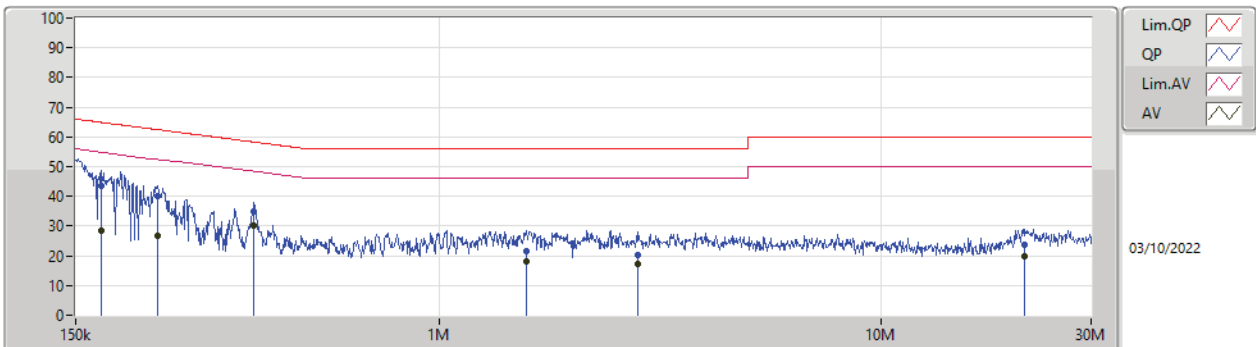
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	380.23k	30.10	48.28	-18.18	Line

**Result**

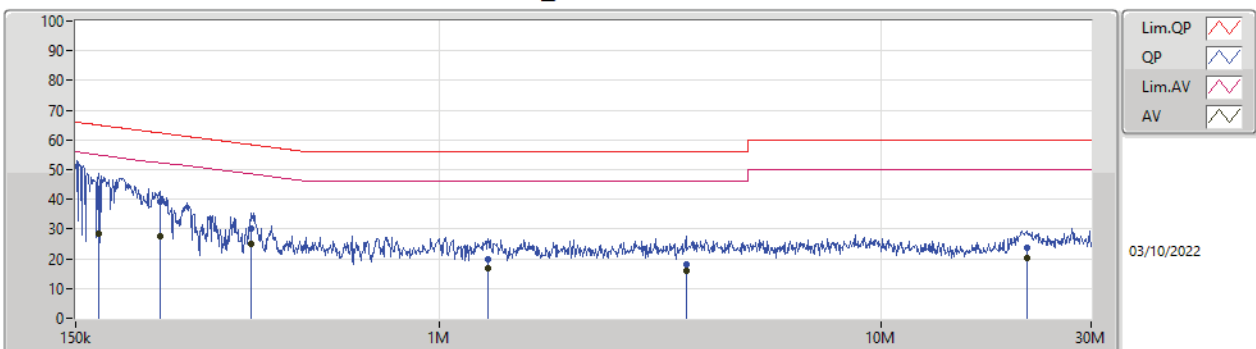
Mode	Result	Type	Freq (Hz)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	171.806k	43.71	64.87	-21.16	Line	-
Mode 1	Pass	AV	171.806k	28.61	54.87	-26.26	Line	-
Mode 1	Pass	QP	229.932k	40.23	62.44	-22.21	Line	-
Mode 1	Pass	AV	229.932k	26.88	52.44	-25.56	Line	-
Mode 1	Pass	QP	380.23k	34.83	58.28	-23.45	Line	-
Mode 1	Pass	AV	380.23k	30.10	48.28	-18.18	Line	-
Mode 1	Pass	QP	1.575M	21.34	56.00	-34.66	Line	-
Mode 1	Pass	AV	1.575M	18.31	46.00	-27.69	Line	-
Mode 1	Pass	QP	2.81M	20.30	56.00	-35.70	Line	-
Mode 1	Pass	AV	2.81M	17.19	46.00	-28.81	Line	-
Mode 1	Pass	QP	21.263M	23.53	60.00	-36.47	Line	-
Mode 1	Pass	AV	21.263M	20.03	50.00	-29.97	Line	-
Mode 1	Pass	QP	169.084k	43.71	65.01	-21.30	Neutral	-
Mode 1	Pass	AV	169.084k	28.32	55.01	-26.69	Neutral	-
Mode 1	Pass	QP	232.702k	39.23	62.35	-23.12	Neutral	-
Mode 1	Pass	AV	232.702k	27.51	52.35	-24.84	Neutral	-
Mode 1	Pass	QP	374.207k	30.35	58.41	-28.06	Neutral	-
Mode 1	Pass	AV	374.207k	24.83	48.41	-23.58	Neutral	-
Mode 1	Pass	QP	1.29M	19.93	56.00	-36.07	Neutral	-
Mode 1	Pass	AV	1.29M	16.69	46.00	-29.31	Neutral	-
Mode 1	Pass	QP	3.627M	18.14	56.00	-37.86	Neutral	-
Mode 1	Pass	AV	3.627M	15.86	46.00	-30.14	Neutral	-
Mode 1	Pass	QP	21.519M	23.85	60.00	-36.15	Neutral	-
Mode 1	Pass	AV	21.519M	20.33	50.00	-29.67	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	171.806k	43.71	64.87	-21.16	19.63	Line	-	24.08	9.69	0.03	9.91			
AV	171.806k	28.61	54.87	-26.26	19.63	Line	-	8.98	9.69	0.03	9.91			
QP	229.932k	40.23	62.44	-22.21	19.63	Line	-	20.60	9.69	0.03	9.91			
AV	229.932k	26.88	52.44	-25.56	19.63	Line	-	7.25	9.69	0.03	9.91			
QP	380.23k	34.83	58.28	-23.45	19.63	Line	-	15.20	9.68	0.04	9.91			
AV	380.23k	30.10	48.28	-18.18	19.63	Line	-	10.47	9.68	0.04	9.91			
QP	1.575M	21.34	56.00	-34.66	19.68	Line	-	1.66	9.69	0.07	9.92			
AV	1.575M	18.31	46.00	-27.69	19.68	Line	-	-1.37	9.69	0.07	9.92			
QP	2.81M	20.30	56.00	-35.70	19.72	Line	-	0.58	9.70	0.10	9.92			
AV	2.81M	17.19	46.00	-28.81	19.72	Line	-	-2.53	9.70	0.10	9.92			
QP	21.263M	23.53	60.00	-36.47	20.00	Line	-	3.53	9.79	0.28	9.93			
AV	21.263M	20.03	50.00	-29.97	20.00	Line	-	0.03	9.79	0.28	9.93			

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	169.084k	43.71	65.01	-21.30	19.67	Neutral	-	24.04	9.73	0.03	9.91			
AV	169.084k	28.32	55.01	-26.69	19.67	Neutral	-	8.65	9.73	0.03	9.91			
QP	232.702k	39.23	62.35	-23.12	19.66	Neutral	-	19.57	9.72	0.03	9.91			
AV	232.702k	27.51	52.35	-24.84	19.66	Neutral	-	7.85	9.72	0.03	9.91			
QP	374.207k	30.35	58.41	-28.06	19.67	Neutral	-	10.68	9.72	0.04	9.91			
AV	374.207k	24.83	48.41	-23.58	19.67	Neutral	-	5.16	9.72	0.04	9.91			
QP	1.29M	19.93	56.00	-36.07	19.71	Neutral	-	0.22	9.73	0.06	9.92			
AV	1.29M	16.69	46.00	-29.31	19.71	Neutral	-	-3.02	9.73	0.06	9.92			
QP	3.627M	18.14	56.00	-37.86	19.80	Neutral	-	-1.66	9.76	0.12	9.92			
AV	3.627M	15.86	46.00	-30.14	19.80	Neutral	-	-3.94	9.76	0.12	9.92			
QP	21.519M	23.85	60.00	-36.15	20.23	Neutral	-	3.62	10.02	0.28	9.93			
AV	21.519M	20.33	50.00	-29.67	20.23	Neutral	-	0.10	10.02	0.28	9.93			



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	36.48M	18.835M	18M8D1D	24.54M	17.051M
802.11ax HEW20_Nss1,(MCS0)_2TX	40.23M	19.453M	19M5D1D	23.64M	19.1M
802.11ax HEW20_Nss2,(MCS0)_2TX	40.23M	19.512M	19M5D1D	22.29M	19.1M
802.11ax HEW40_Nss1,(MCS0)_2TX	64.44M	37.848M	37M8D1D	41.58M	37.672M
802.11ax HEW40_Nss2,(MCS0)_2TX	64.68M	38.025M	38M0D1D	41.52M	37.672M
802.11ax HEW80_Nss1,(MCS0)_2TX	83.28M	76.99M	77M0D1D	81.6M	76.99M
802.11ax HEW80_Nss2,(MCS0)_2TX	90.48M	76.99M	77M0D1D	89.76M	76.99M
802.11ax HEW160_Nss1,(MCS0)_2TX	83.12M	77.481M	77M5D1D	82.64M	77.401M
802.11ax HEW160_Nss2,(MCS0)_2TX	83.12M	77.481M	77M5D1D	82.72M	77.321M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.85M	16.924M	16M9D1D	21.78M	16.796M
802.11ax HEW20_Nss1,(MCS0)_2TX	22.29M	19.071M	19M1D1D	21.54M	19.071M
802.11ax HEW20_Nss2,(MCS0)_2TX	22.26M	19.071M	19M1D1D	21.51M	19.071M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.1M	37.672M	37M7D1D	40.26M	37.613M
802.11ax HEW40_Nss2,(MCS0)_2TX	40.98M	37.672M	37M7D1D	40.08M	37.613M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.96M	76.99M	77M0D1D	81.84M	76.872M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.84M	76.99M	77M0D1D	81.72M	76.872M
802.11ax HEW160_Nss1,(MCS0)_2TX	83.36M	77.721M	77M7D1D	82.72M	77.641M
802.11ax HEW160_Nss2,(MCS0)_2TX	83.52M	77.641M	77M6D1D	82.88M	77.641M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.26M	16.949M	16M9D1D	15.99M	13.508M
802.11ax HEW20_Nss1,(MCS0)_2TX	23.46M	19.1M	19M1D1D	16.26M	14.573M
802.11ax HEW20_Nss2,(MCS0)_2TX	23.67M	19.1M	19M1D1D	16.23M	14.558M
802.11ax HEW40_Nss1,(MCS0)_2TX	43.14M	37.672M	37M7D1D	35.07M	33.688M
802.11ax HEW40_Nss2,(MCS0)_2TX	42.3M	37.731M	37M7D1D	35.21M	33.653M
802.11ax HEW80_Nss1,(MCS0)_2TX	84.12M	76.99M	77M0D1D	75.675M	73.013M
802.11ax HEW80_Nss2,(MCS0)_2TX	83.16M	77.107M	77M1D1D	75.825M	73.013M
802.11ax HEW160_Nss1,(MCS0)_2TX	166.32M	155.39M	155MD1D	166.32M	155.39M
802.11ax HEW160_Nss2,(MCS0)_2TX	166.56M	155.39M	155MD1D	165.6M	155.154M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.35M	19.115M	19M1D1D	3.12M	4.618M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.87M	19.923M	19M9D1D	4.42M	5.097M
802.11ax HEW20_Nss2,(MCS0)_2TX	18.87M	20.628M	20M6D1D	4.46M	5.137M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.56M	51.424M	51M4D1D	3.68M	10.295M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.56M	49.955M	50M0D1D	3.74M	10.295M
802.11ax HEW80_Nss1,(MCS0)_2TX	75.24M	77.695M	77M7D1D	3.58M	17.591M
802.11ax HEW80_Nss2,(MCS0)_2TX	75.24M	77.695M	77M7D1D	3.6M	17.551M

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

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	24.54M	17.051M	24.93M	17.178M
5200MHz	Pass	Inf	33.84M	18.453M	36.48M	18.835M
5240MHz	Pass	Inf	29.82M	17.586M	35.31M	18.529M
5260MHz	Pass	Inf	22.14M	16.924M	23.85M	16.898M
5300MHz	Pass	Inf	21.81M	16.822M	21.78M	16.796M
5320MHz	Pass	Inf	21.87M	16.847M	21.84M	16.822M
5500MHz	Pass	Inf	22.26M	16.949M	22.23M	16.898M
5580MHz	Pass	Inf	21.78M	16.796M	21.87M	16.822M
5700MHz	Pass	Inf	21.57M	16.745M	21.48M	16.669M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.99M	13.508M	16.08M	13.523M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	4.718M	3.12M	4.618M
5745MHz	Pass	500k	16.32M	18.223M	16.32M	19.115M
5785MHz	Pass	500k	16.35M	17.382M	16.29M	17.714M
5825MHz	Pass	500k	16.35M	17.535M	16.29M	18.223M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	24.75M	19.1M	23.64M	19.13M
5200MHz	Pass	Inf	40.23M	19.424M	32.28M	19.453M
5240MHz	Pass	Inf	31.74M	19.218M	31.38M	19.394M
5260MHz	Pass	Inf	22.14M	19.071M	21.54M	19.071M
5300MHz	Pass	Inf	22.14M	19.071M	21.99M	19.071M
5320MHz	Pass	Inf	22.29M	19.071M	22.14M	19.071M
5500MHz	Pass	Inf	23.46M	19.1M	22.23M	19.1M
5580MHz	Pass	Inf	22.26M	19.071M	21.57M	19.071M
5700MHz	Pass	Inf	21.57M	19.042M	21.66M	19.012M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	17.415M	14.633M	16.26M	14.573M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.42M	5.477M	4.44M	5.097M
5745MHz	Pass	500k	18.87M	19.365M	18.75M	19.512M
5785MHz	Pass	500k	18.78M	19.424M	18.66M	19.864M
5825MHz	Pass	500k	18.69M	19.394M	18.72M	19.923M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.29M	19.13M	24.84M	19.1M
5200MHz	Pass	Inf	40.23M	19.424M	37.92M	19.512M
5240MHz	Pass	Inf	36.24M	19.218M	31.53M	19.336M
5260MHz	Pass	Inf	22.26M	19.071M	21.51M	19.071M
5300MHz	Pass	Inf	22.2M	19.071M	21.54M	19.071M
5320MHz	Pass	Inf	22.17M	19.071M	21.96M	19.071M
5500MHz	Pass	Inf	23.67M	19.1M	22.14M	19.071M
5580MHz	Pass	Inf	22.2M	19.071M	21.51M	19.1M
5700MHz	Pass	Inf	21.63M	19.042M	21.6M	19.1M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	17.505M	14.558M	16.23M	14.588M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	5.377M	4.46M	5.137M
5745MHz	Pass	500k	18.87M	19.424M	18.69M	19.482M
5785MHz	Pass	500k	18.81M	19.6M	18.69M	20.628M
5825MHz	Pass	500k	18.87M	19.512M	18.66M	20.07M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	45.9M	37.672M	41.58M	37.672M
5230MHz	Pass	Inf	60.3M	37.848M	64.44M	37.848M
5270MHz	Pass	Inf	40.74M	37.613M	40.26M	37.613M
5310MHz	Pass	Inf	40.98M	37.613M	41.1M	37.672M
5510MHz	Pass	Inf	43.14M	37.672M	42.36M	37.613M
5550MHz	Pass	Inf	40.68M	37.613M	40.26M	37.613M
5670MHz	Pass	Inf	40.5M	37.672M	40.44M	37.554M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.665M	33.758M	35.07M	33.688M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.82M	12.634M	3.68M	10.295M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5755MHz	Pass	500k	37.56M	38.671M	37.56M	46.076M
5795MHz	Pass	500k	37.56M	38.612M	35.64M	51.424M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	42M	37.731M	41.52M	37.672M
5230MHz	Pass	Inf	57.12M	37.966M	64.68M	38.025M
5270MHz	Pass	Inf	40.8M	37.672M	40.08M	37.613M
5310MHz	Pass	Inf	40.98M	37.613M	40.56M	37.613M
5510MHz	Pass	Inf	42.3M	37.731M	41.52M	37.613M
5550MHz	Pass	Inf	40.5M	37.672M	40.26M	37.613M
5670MHz	Pass	Inf	40.68M	37.672M	40.14M	37.613M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	36.05M	33.723M	35.21M	33.653M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	12.054M	3.74M	10.295M
5755MHz	Pass	500k	37.56M	38.436M	36.3M	46.429M
5795MHz	Pass	500k	37.56M	38.612M	37.44M	49.955M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.28M	76.99M	81.6M	76.99M
5290MHz	Pass	Inf	81.96M	76.99M	81.84M	76.872M
5530MHz	Pass	Inf	83.4M	76.99M	84.12M	76.872M
5610MHz	Pass	Inf	81.24M	76.99M	81.48M	76.99M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.675M	73.013M	75.75M	73.088M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	18.071M	3.58M	17.591M
5775MHz	Pass	500k	75.24M	77.577M	75.12M	77.695M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	90.48M	76.99M	89.76M	76.99M
5290MHz	Pass	Inf	81.72M	76.872M	81.84M	76.99M
5530MHz	Pass	Inf	81.48M	76.99M	83.16M	76.872M
5610MHz	Pass	Inf	81.36M	77.107M	81.6M	76.872M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.975M	73.013M	75.825M	73.088M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.6M	18.391M	3.82M	17.551M
5775MHz	Pass	500k	75.24M	77.577M	75.12M	77.695M
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	83.12M	77.481M	82.64M	77.401M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	83.36M	77.721M	82.72M	77.641M
5570MHz	Pass	Inf	166.32M	155.39M	166.32M	155.39M
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	83.12M	77.481M	82.72M	77.321M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	83.52M	77.641M	82.88M	77.641M
5570MHz	Pass	Inf	166.56M	155.39M	165.6M	155.154M

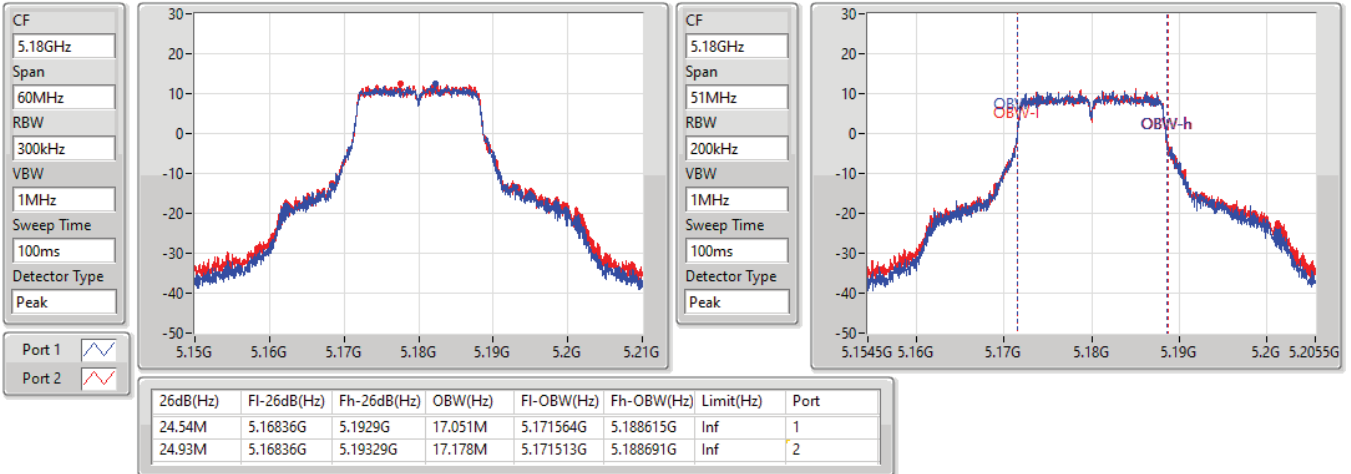
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5180MHz

27/09/2022

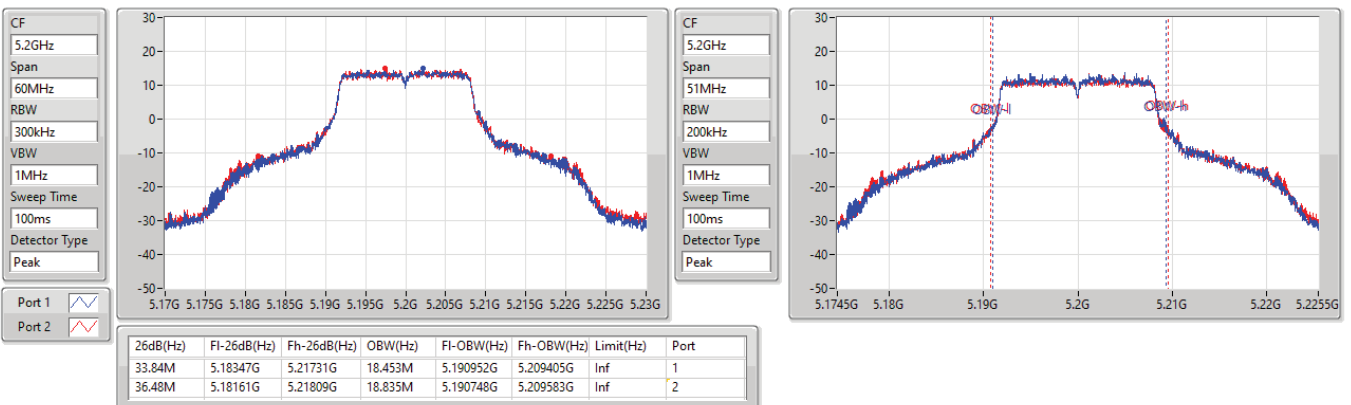


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

24/10/2022

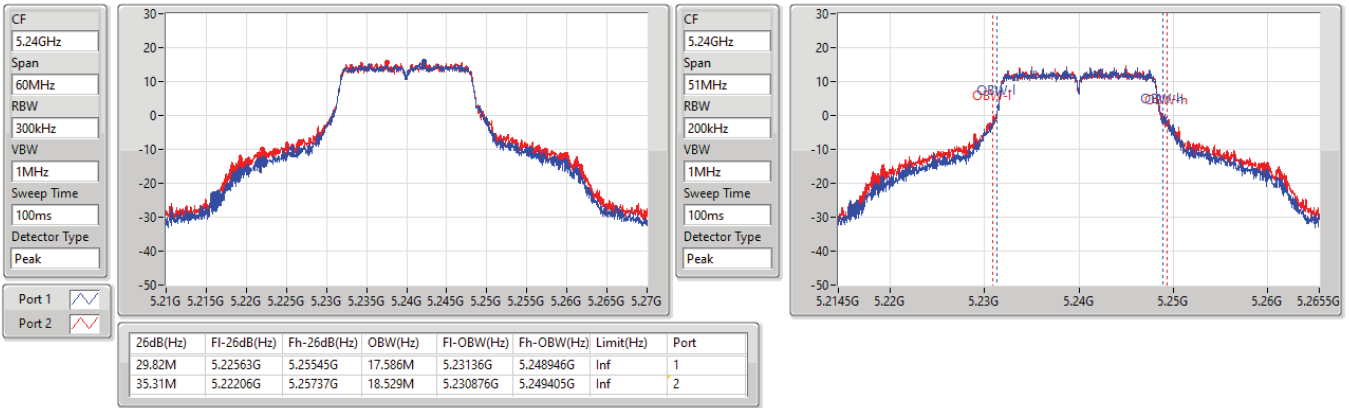


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

24/10/2022

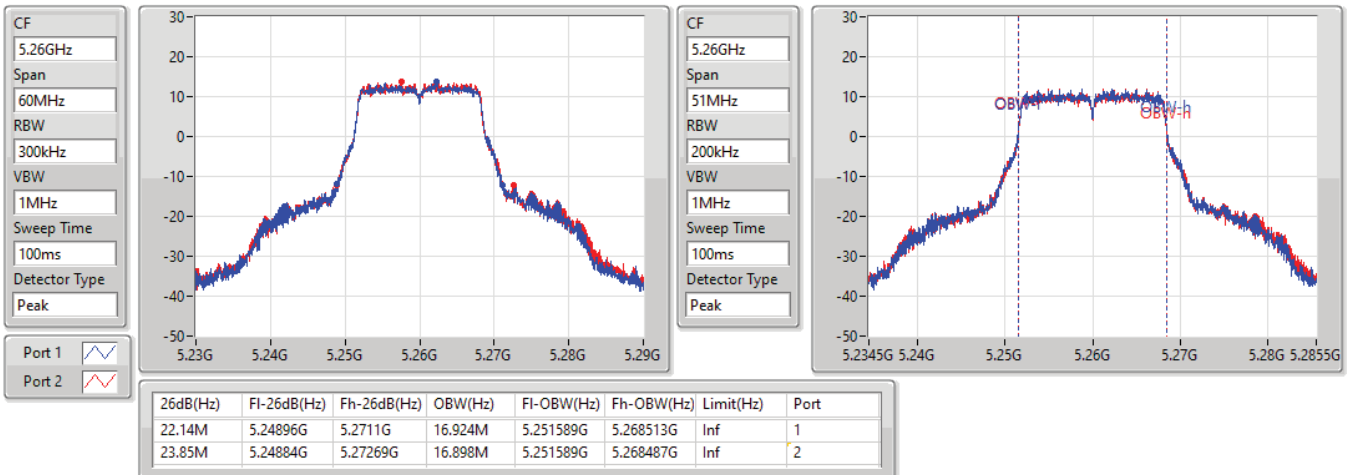


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

27/09/2022

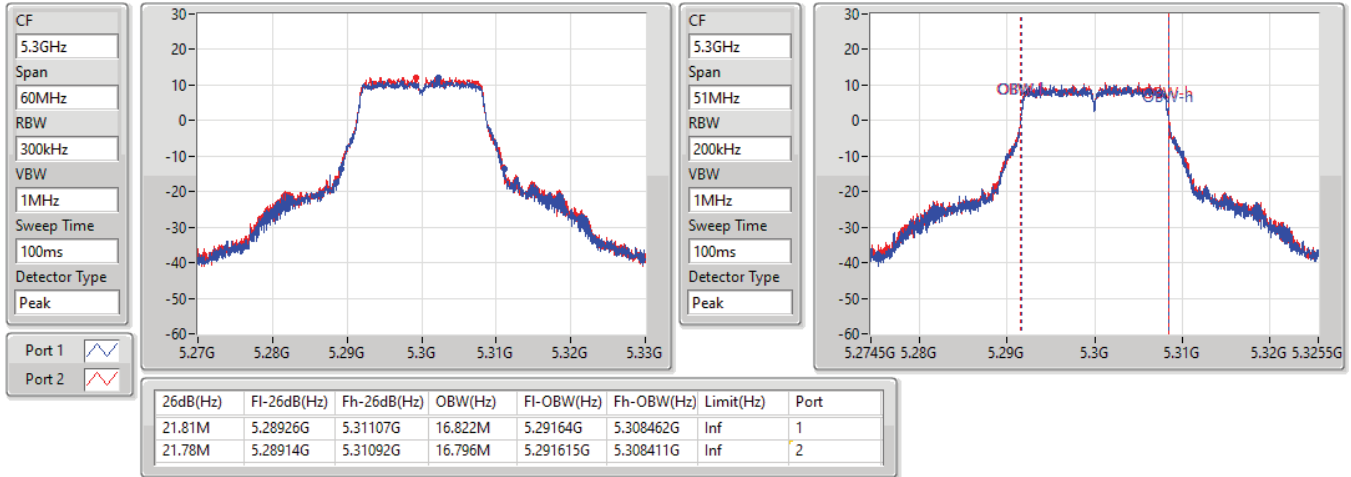


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

27/09/2022

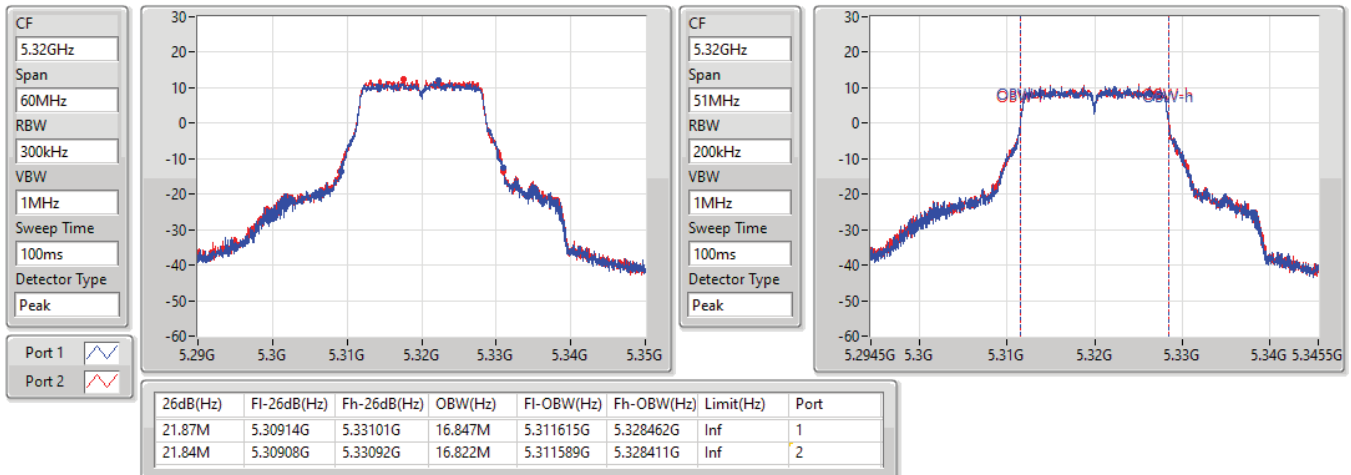


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

27/09/2022

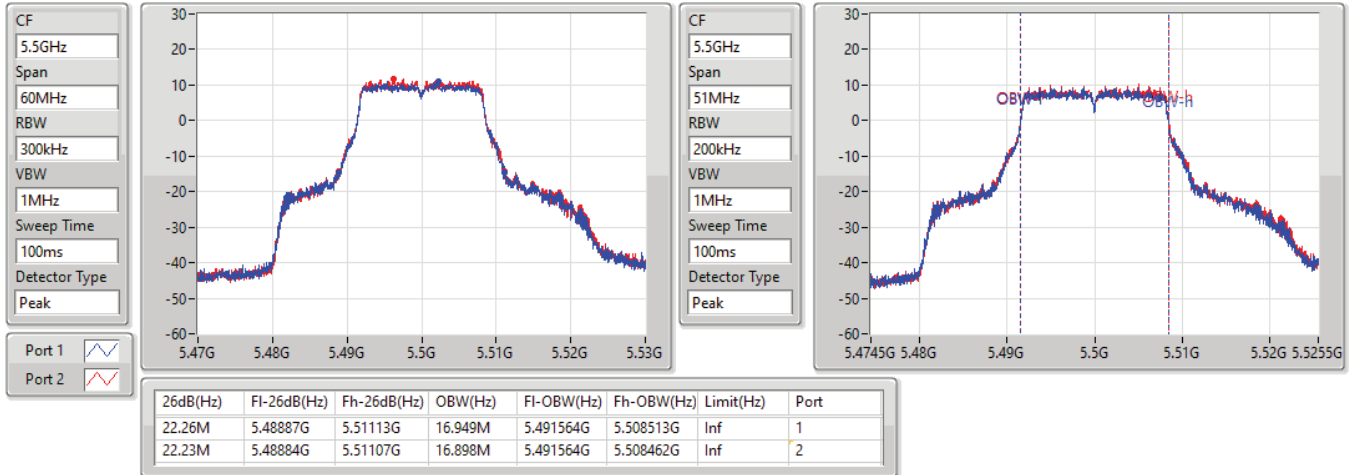


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

27/09/2022

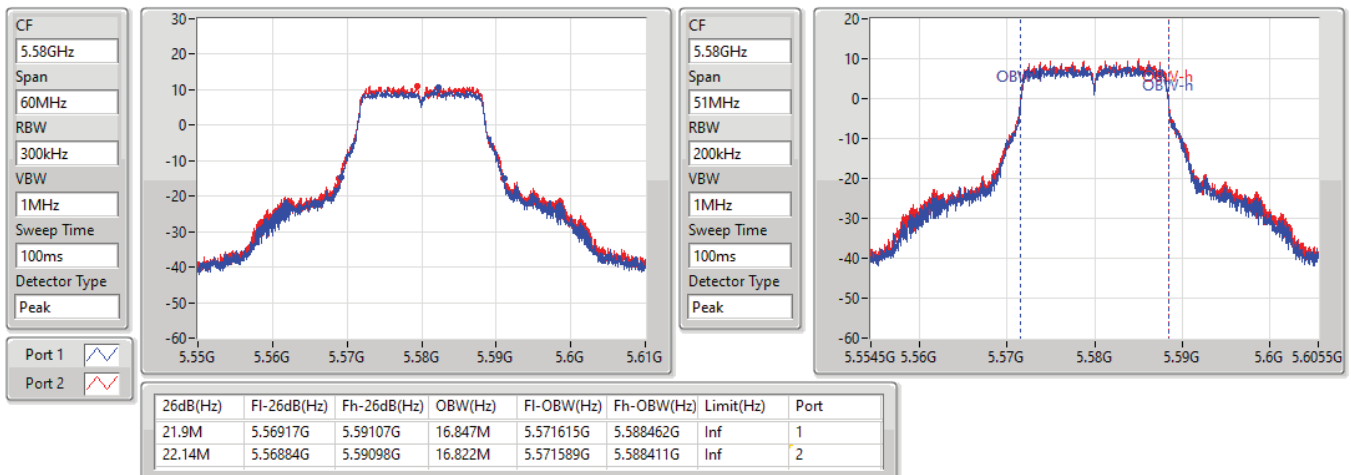


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

27/09/2022

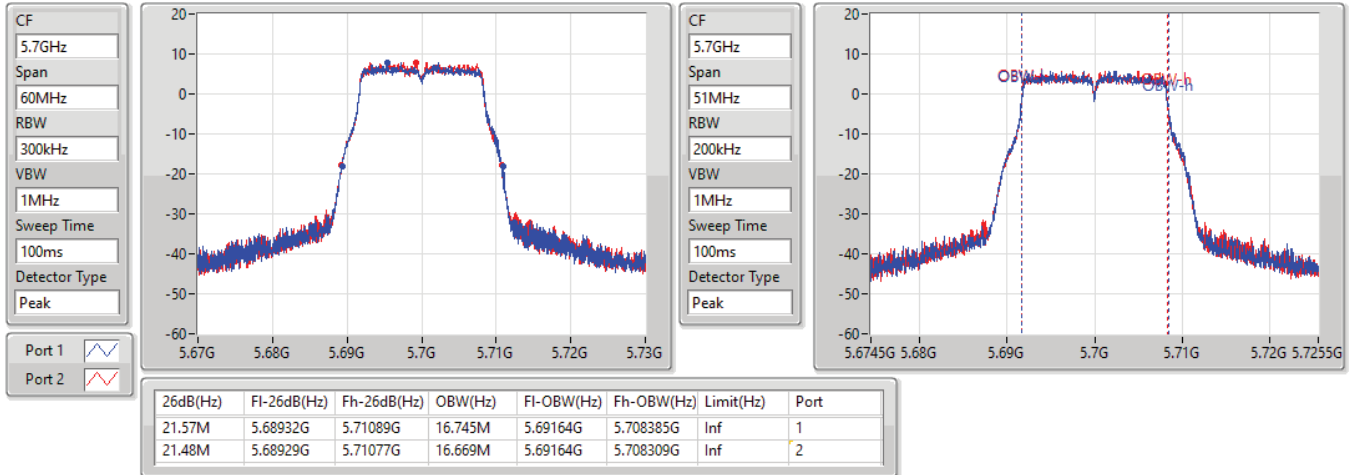


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

27/09/2022

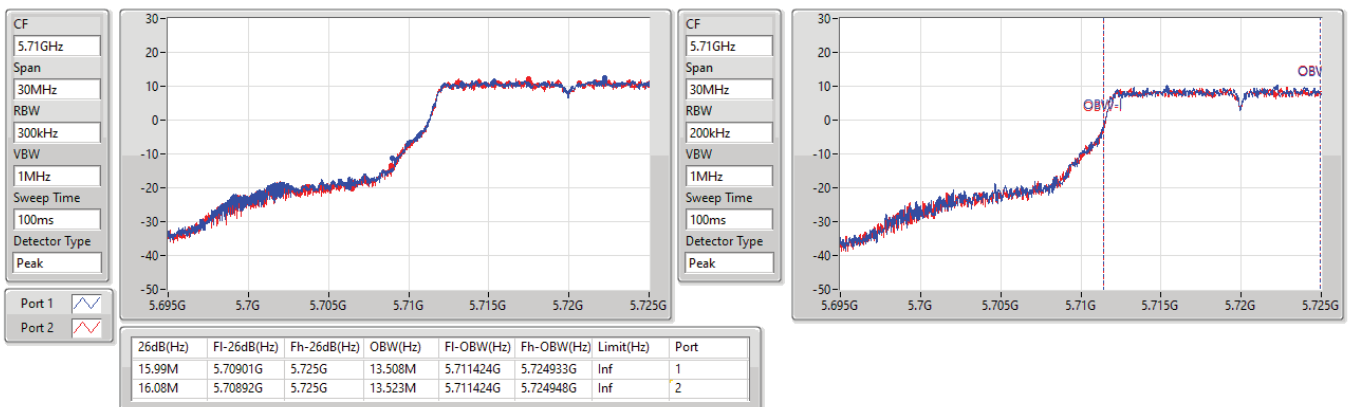


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

24/10/2022

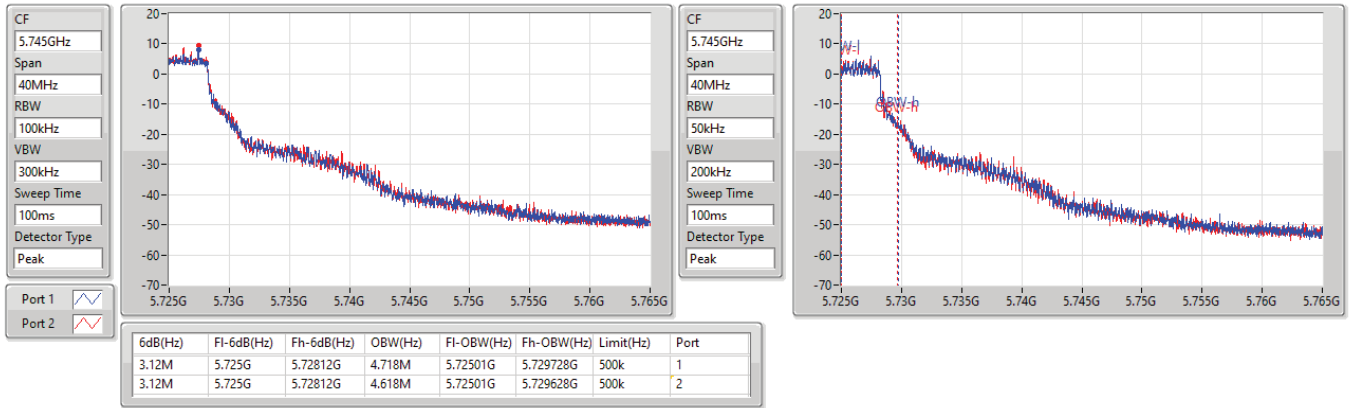


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

24/10/2022

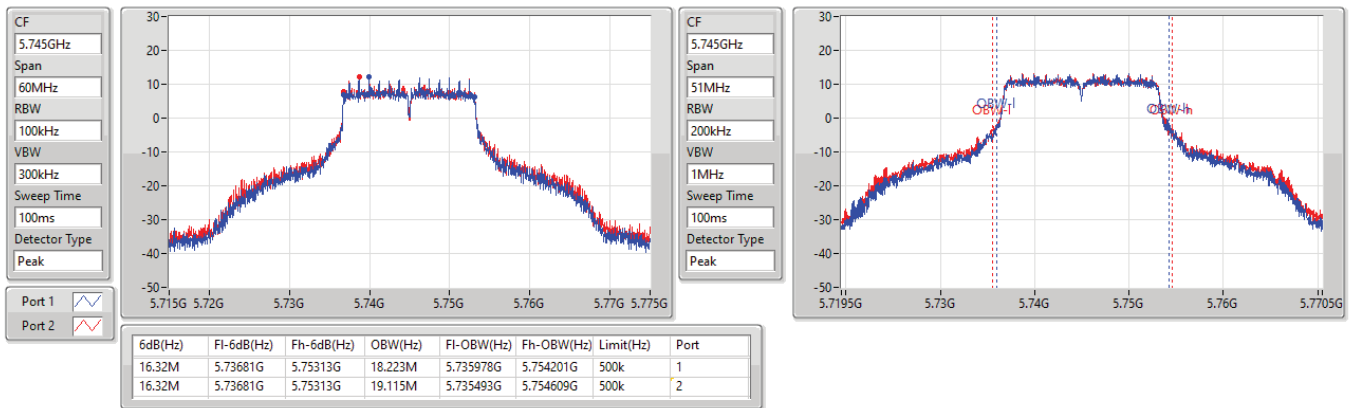


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

24/10/2022

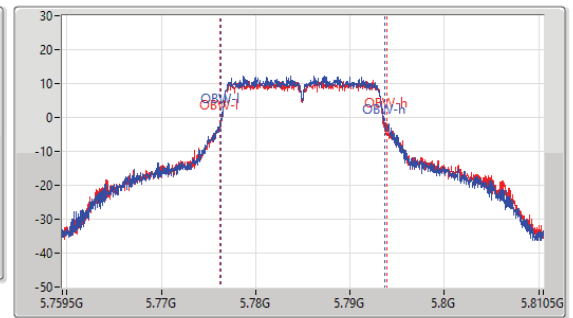
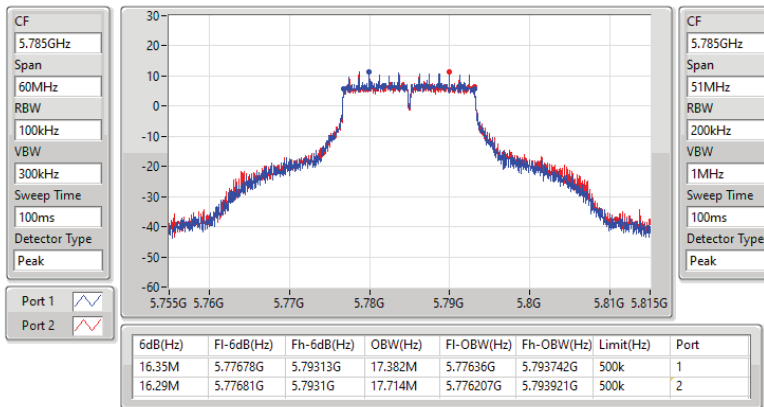


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

24/10/2022

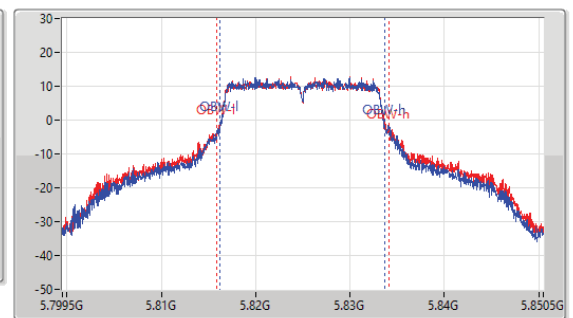
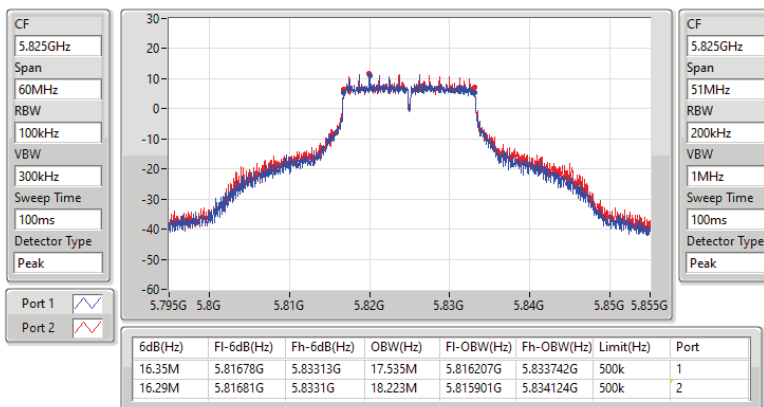


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

24/10/2022

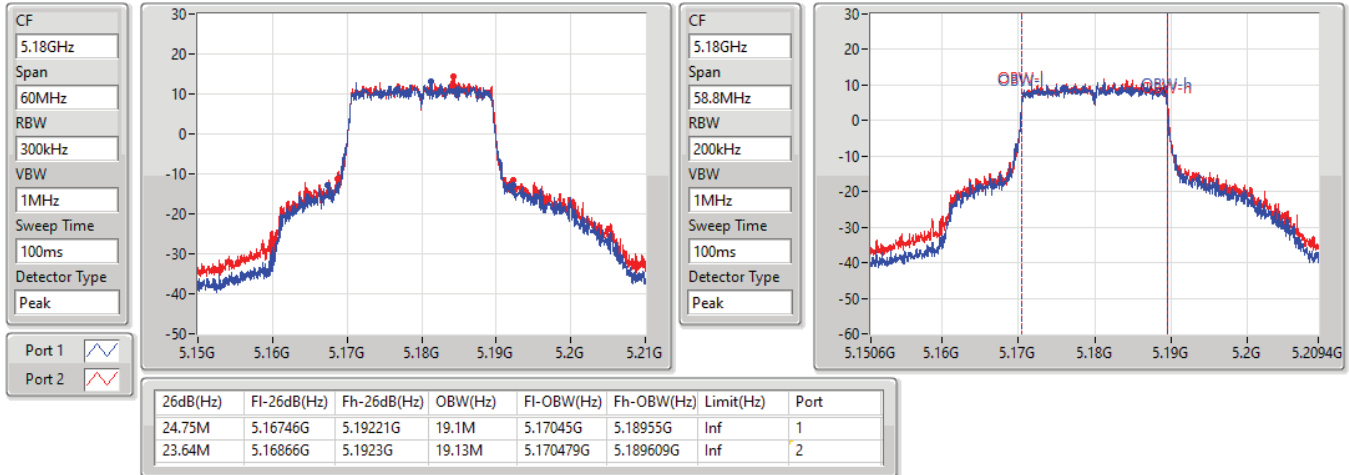


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5180MHz

27/09/2022



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5200MHz

24/10/2022

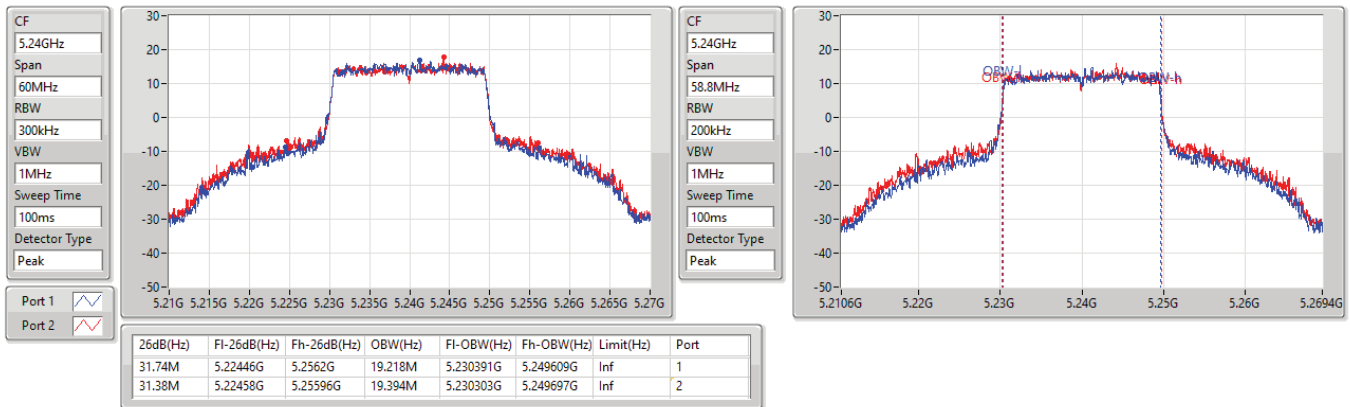


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5240MHz

24/10/2022

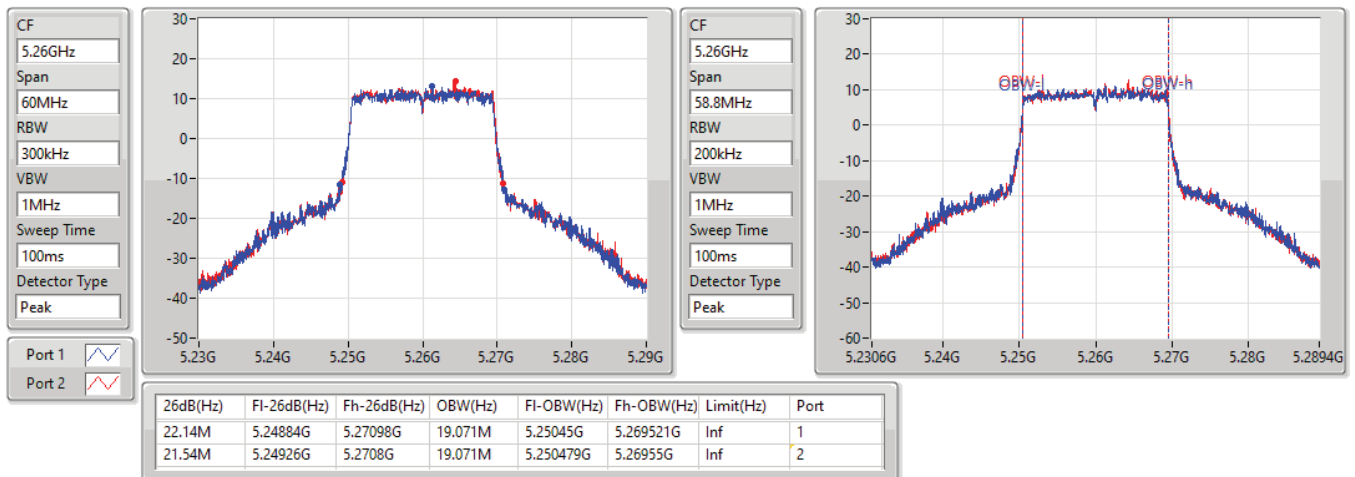


5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5260MHz

27/09/2022

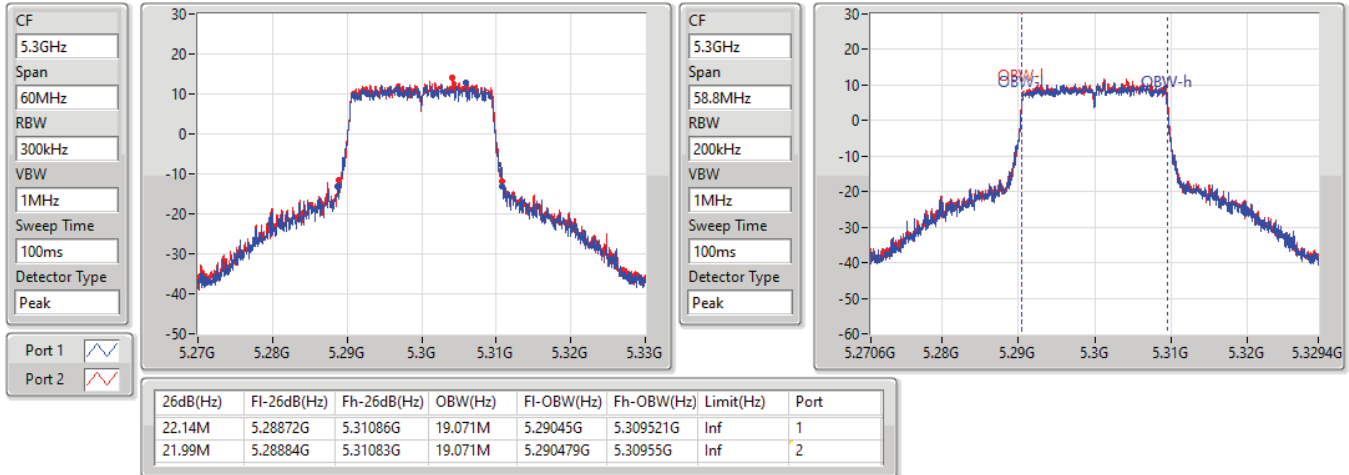


5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5300MHz

27/09/2022

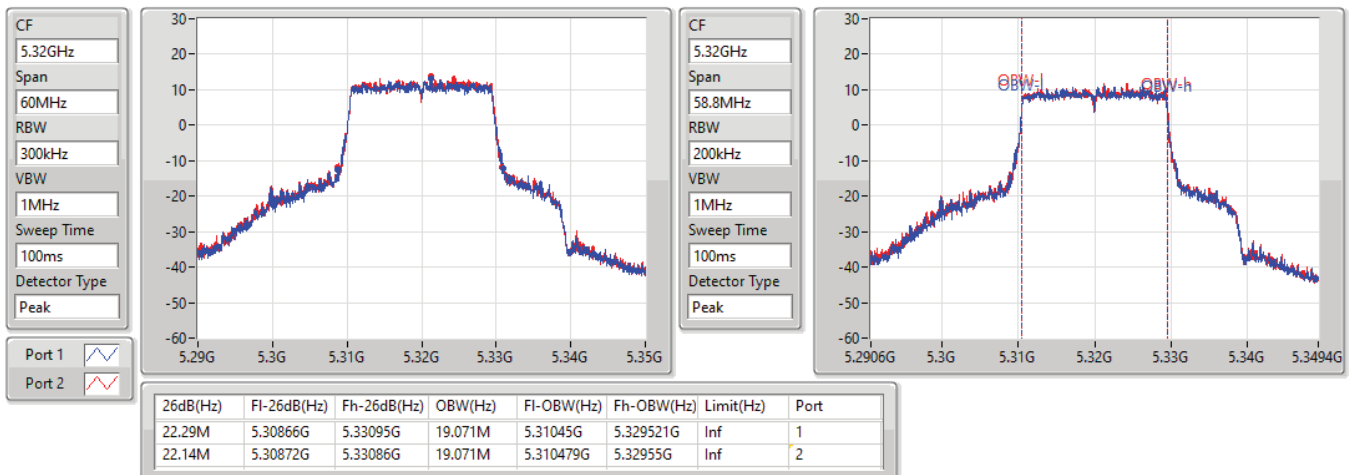


5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5320MHz

27/09/2022

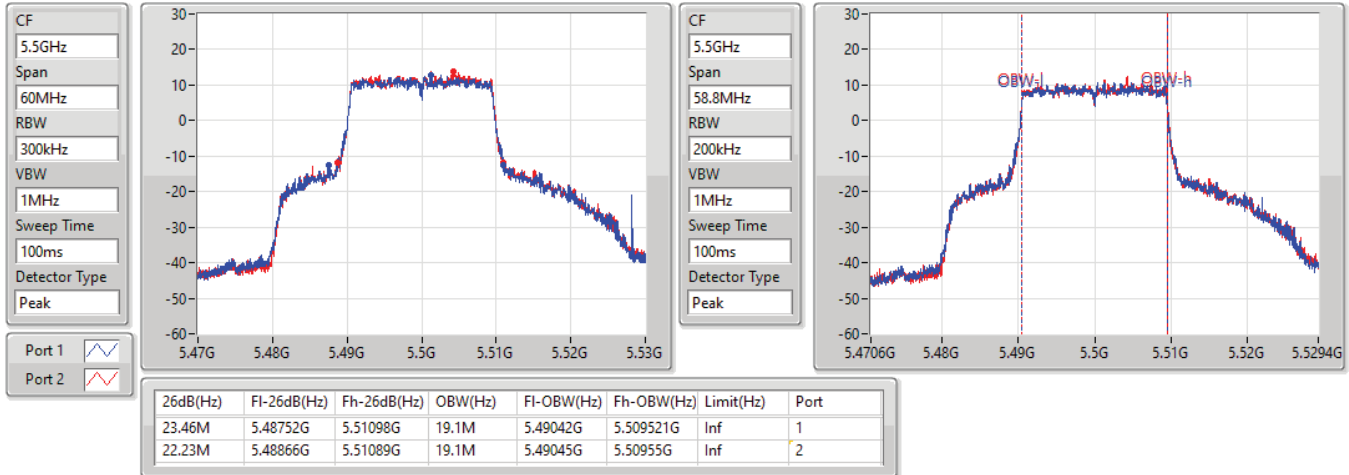


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5500MHz

27/09/2022

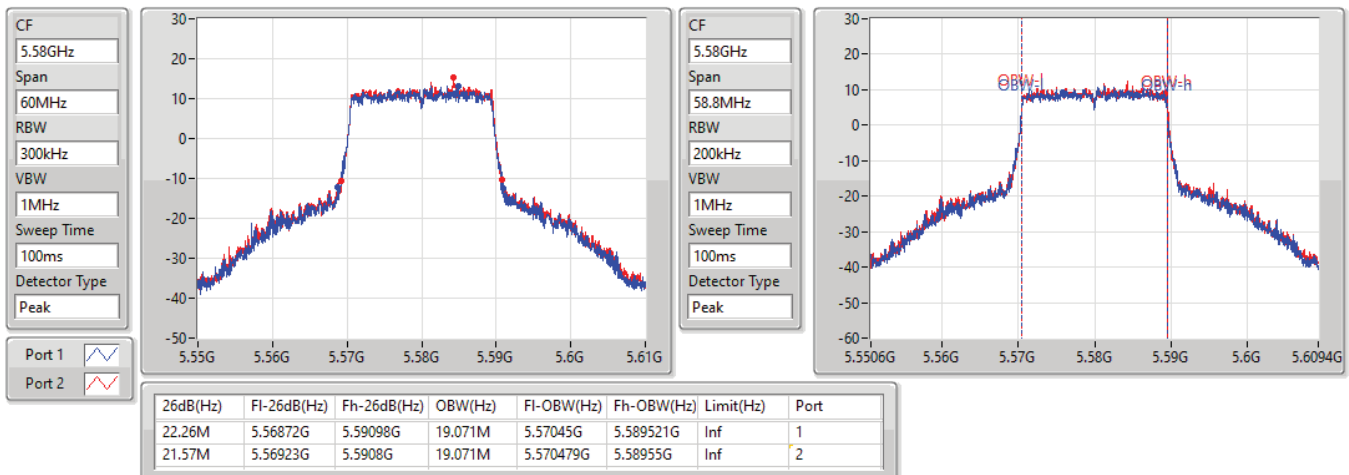


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5580MHz

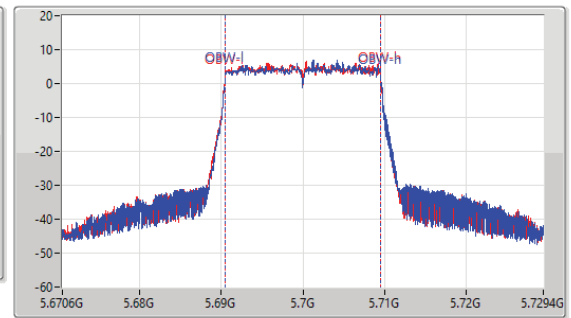
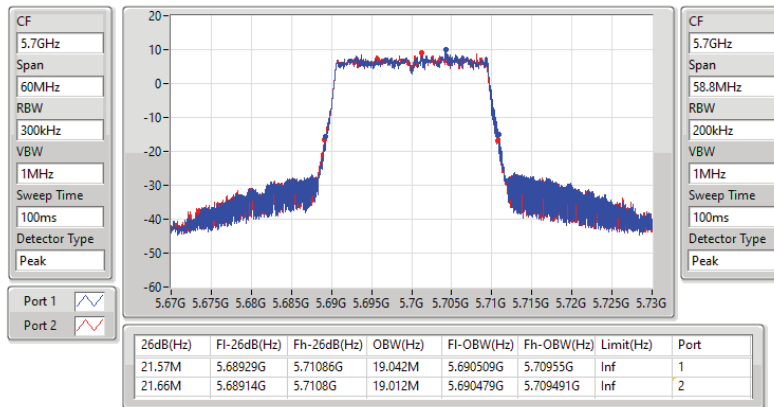
27/09/2022



5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5700MHz

EBW

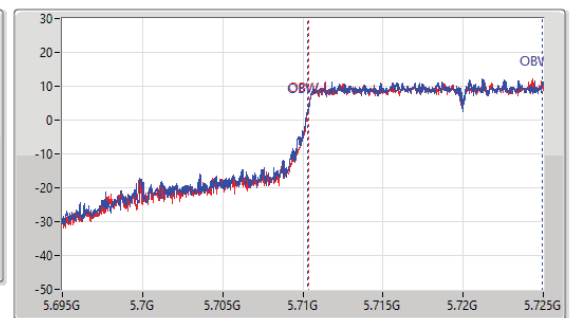
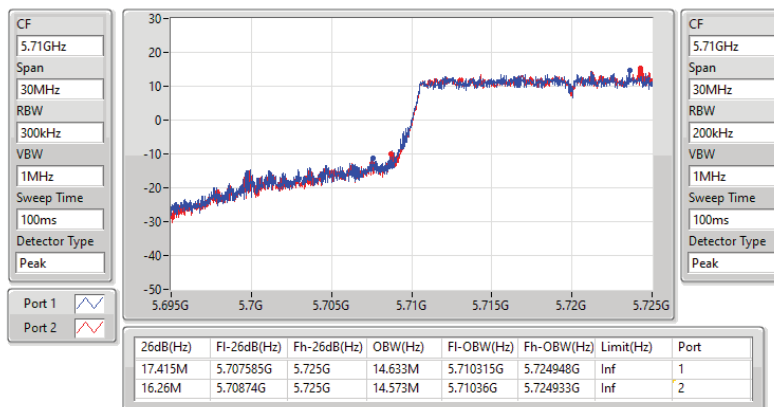
28/10/2022



5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5720MHz Straddle 5.47-5.725GHz

EBW

24/10/2022

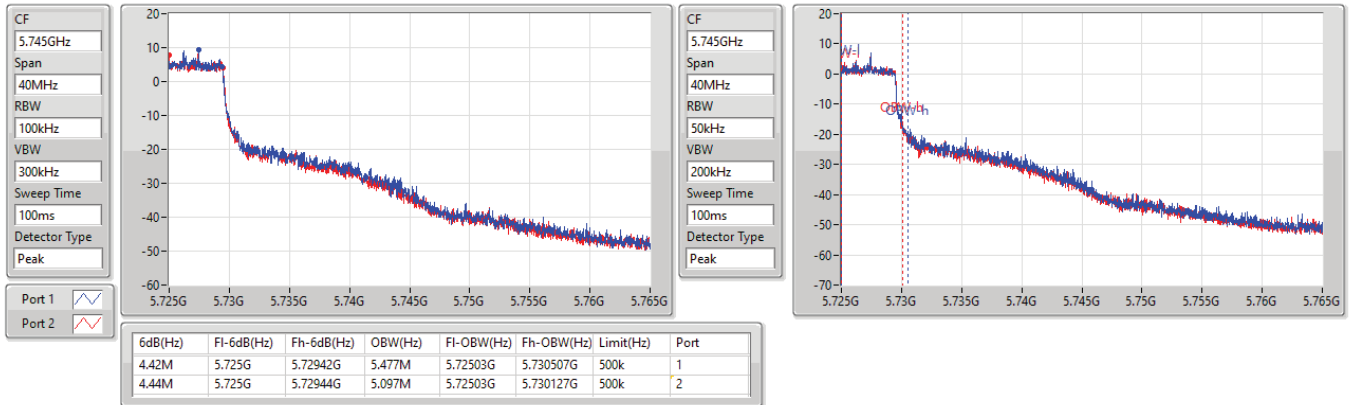


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

24/10/2022

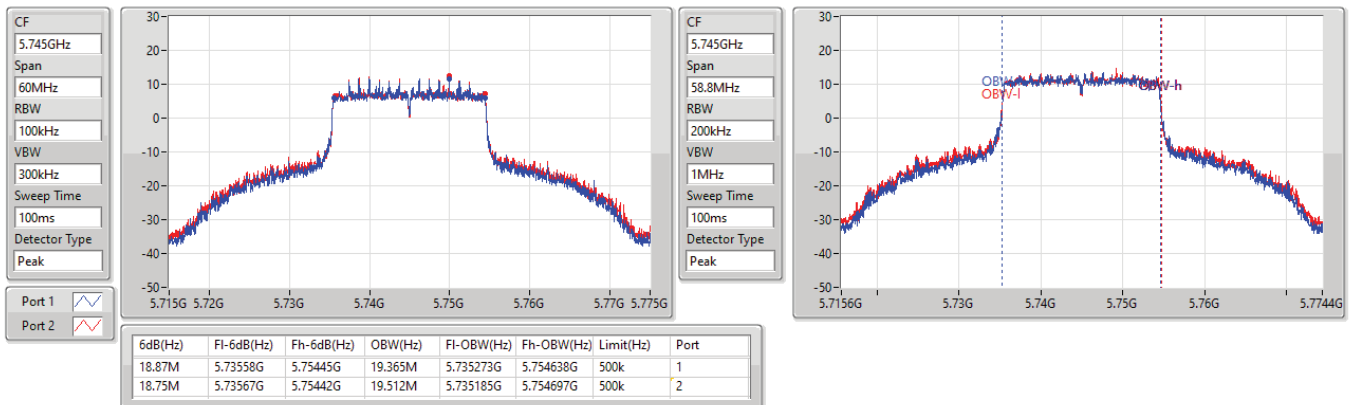


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5745MHz

24/10/2022

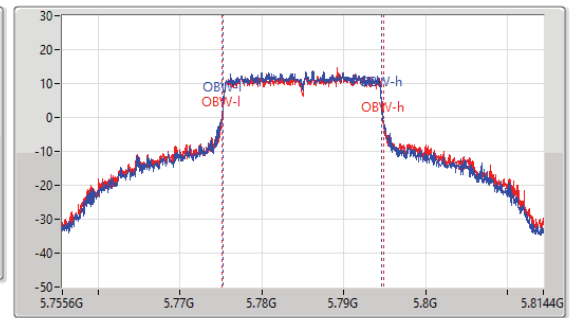
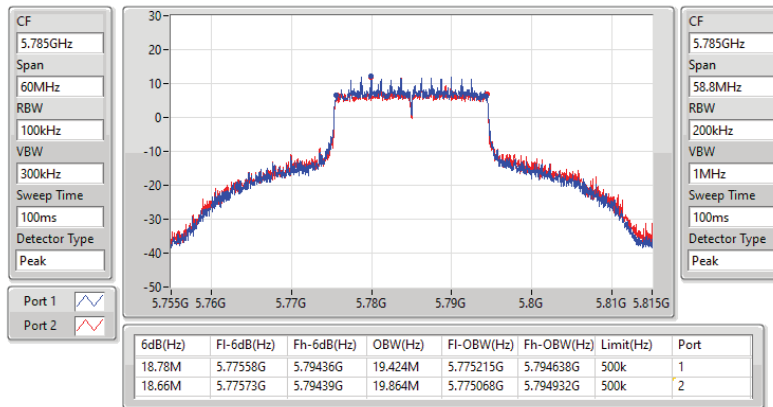


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5785MHz

24/10/2022

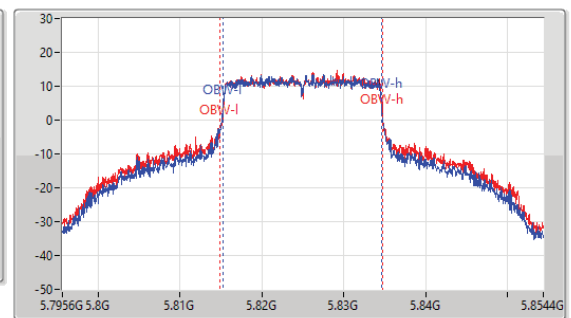
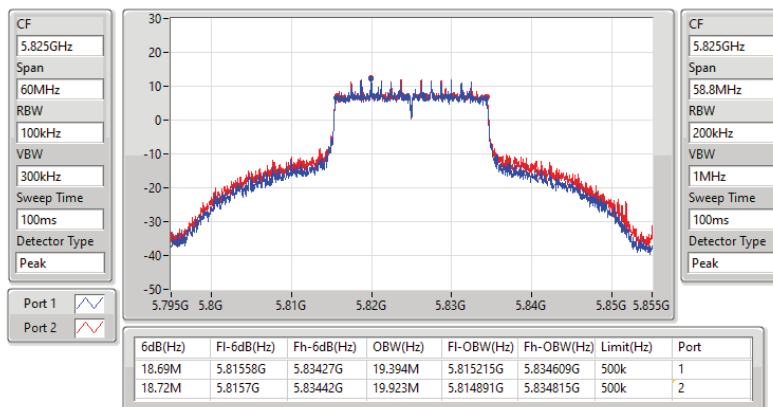


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5825MHz

24/10/2022

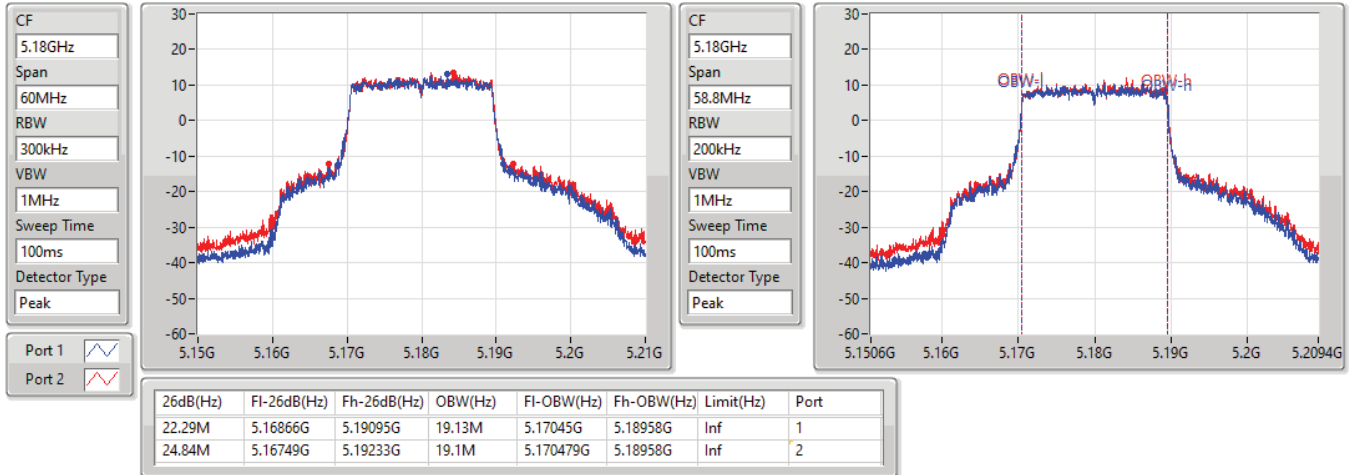


5.15-5.25GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5180MHz

27/09/2022



5.15-5.25GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5200MHz

24/10/2022

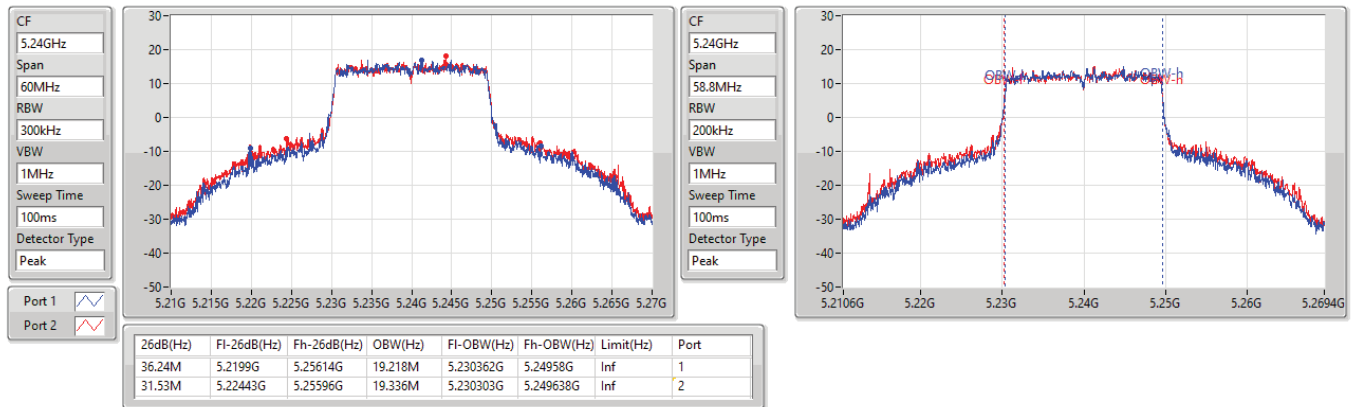


5.15-5.25GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5240MHz

24/10/2022

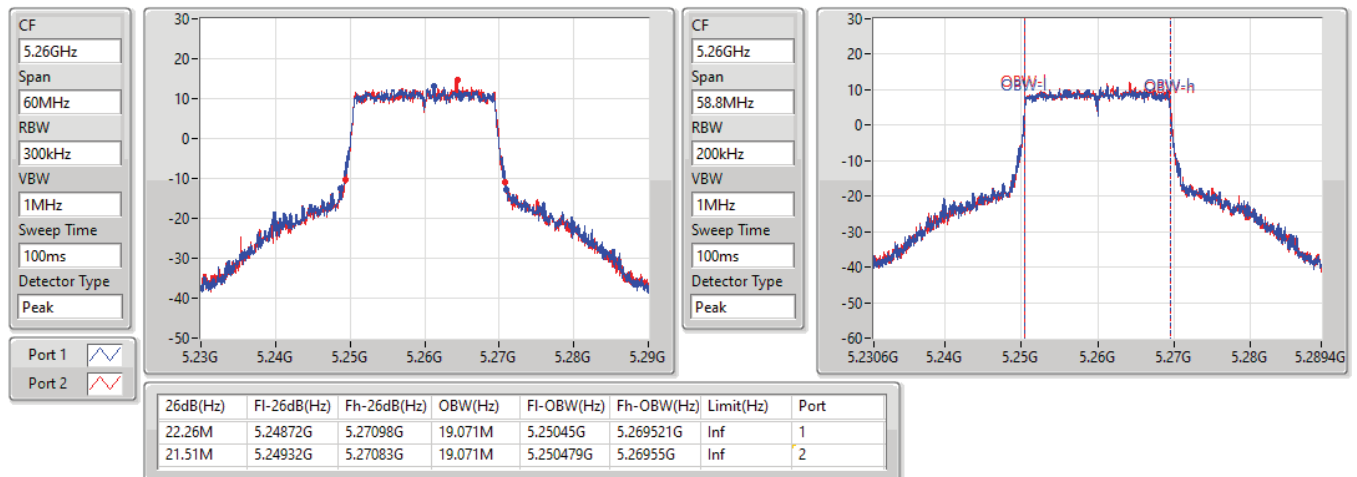


5.25-5.35GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5260MHz

27/09/2022

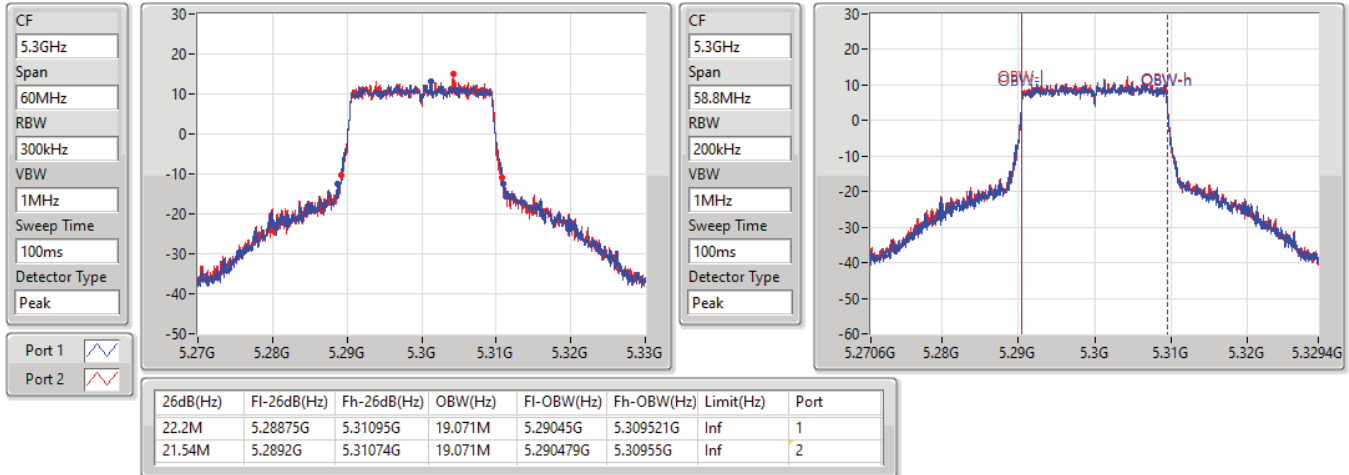


5.25-5.35GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5300MHz

27/09/2022

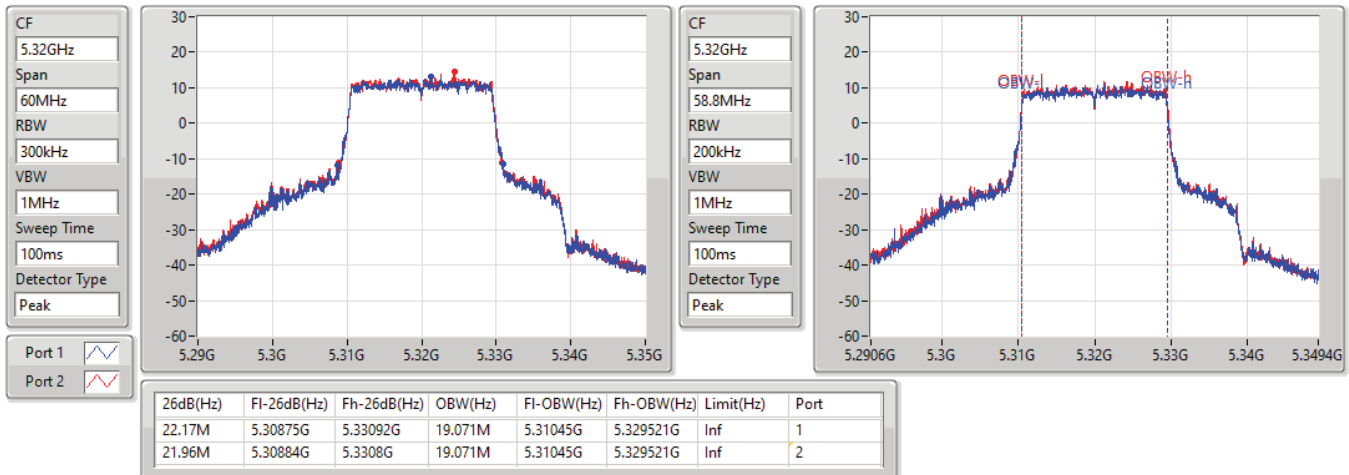


5.25-5.35GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

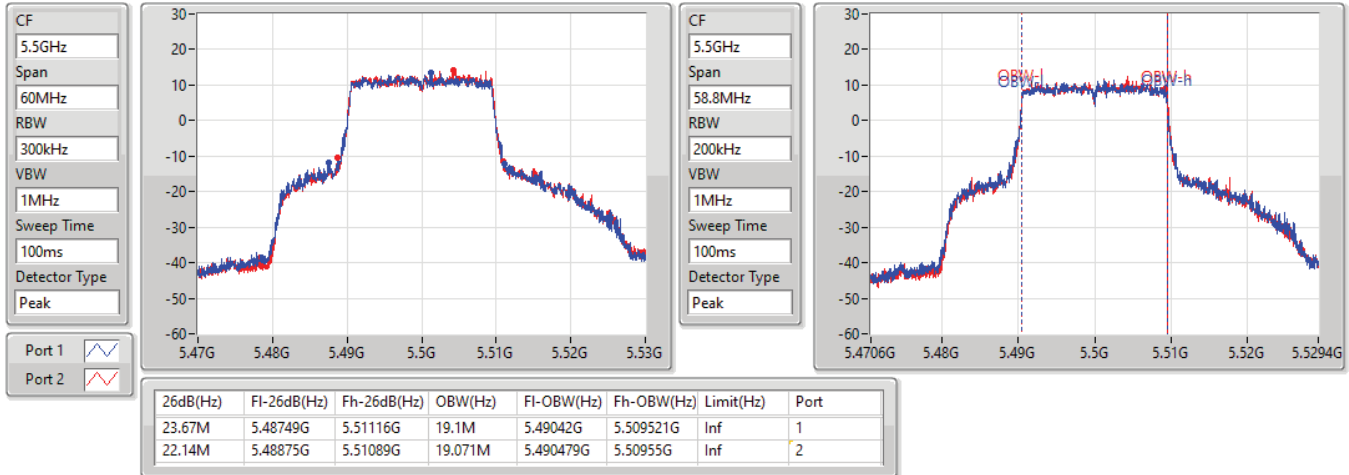
5320MHz

27/09/2022

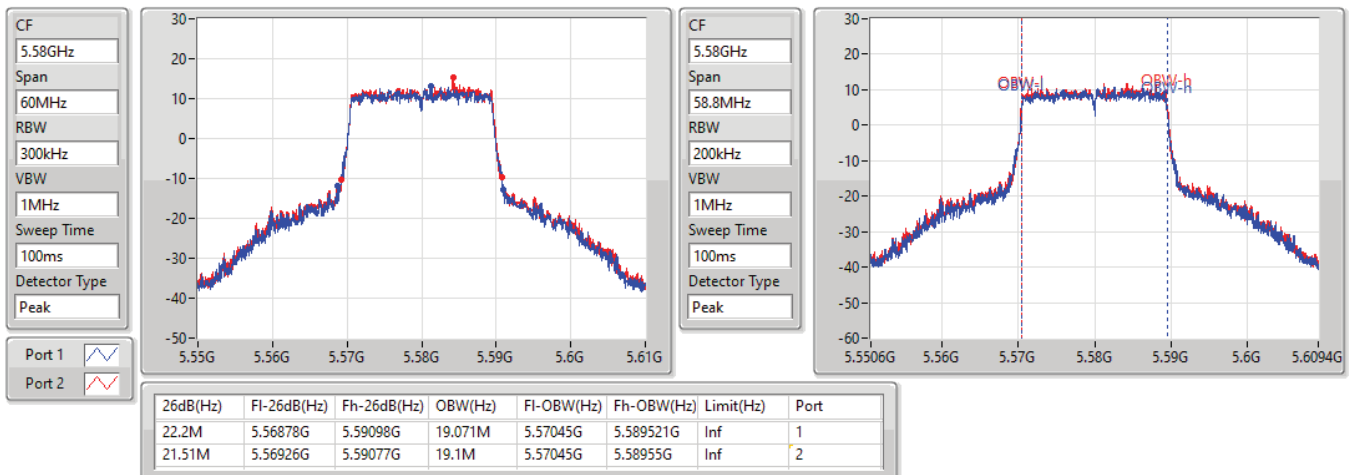


5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
5500MHz

27/09/2022


5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
5580MHz

27/09/2022

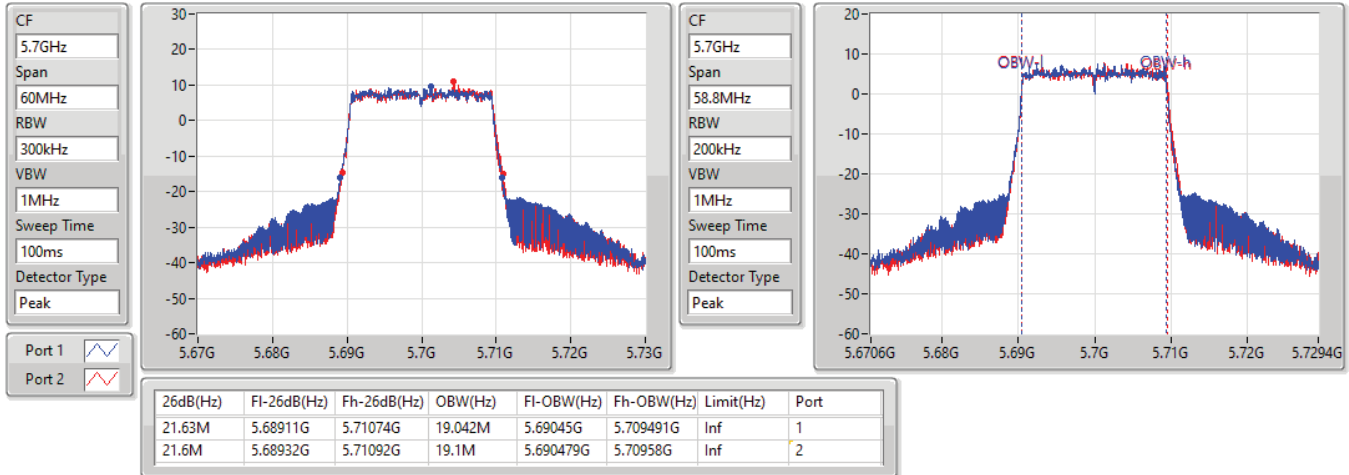


5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5700MHz

27/09/2022

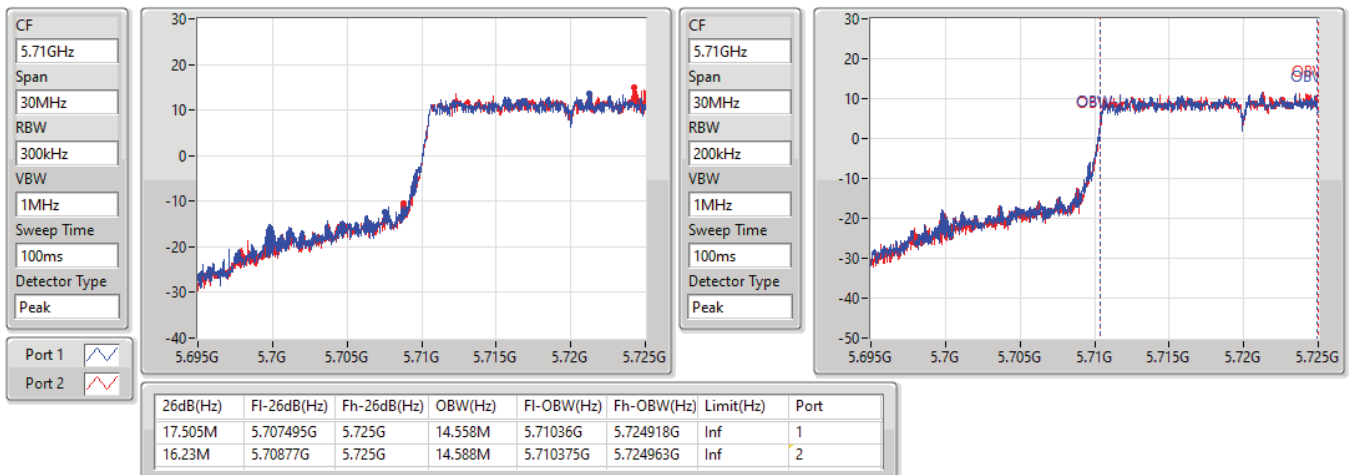


5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

27/09/2022

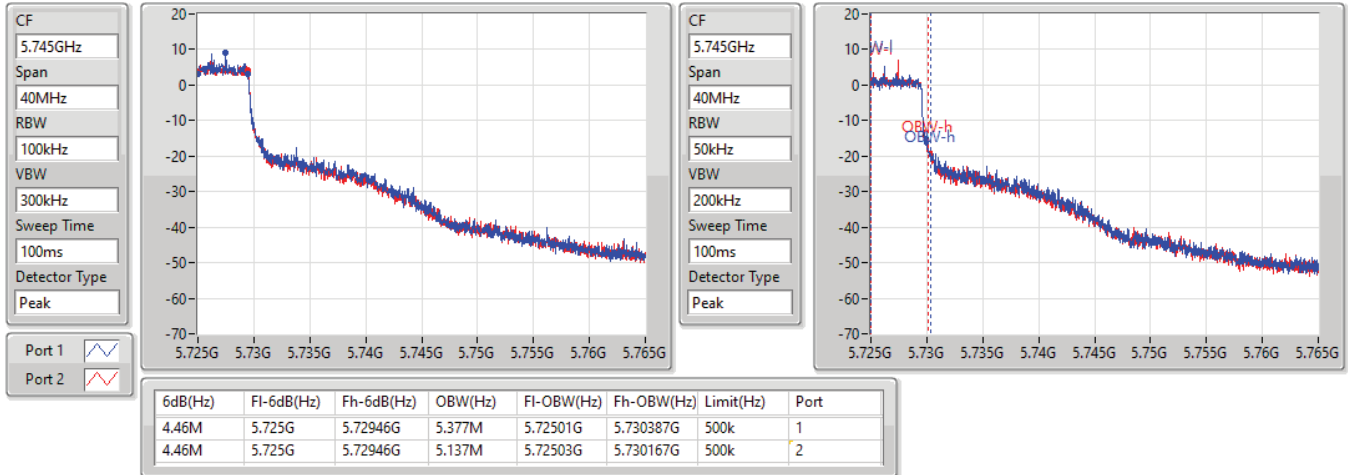


5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

27/09/2022

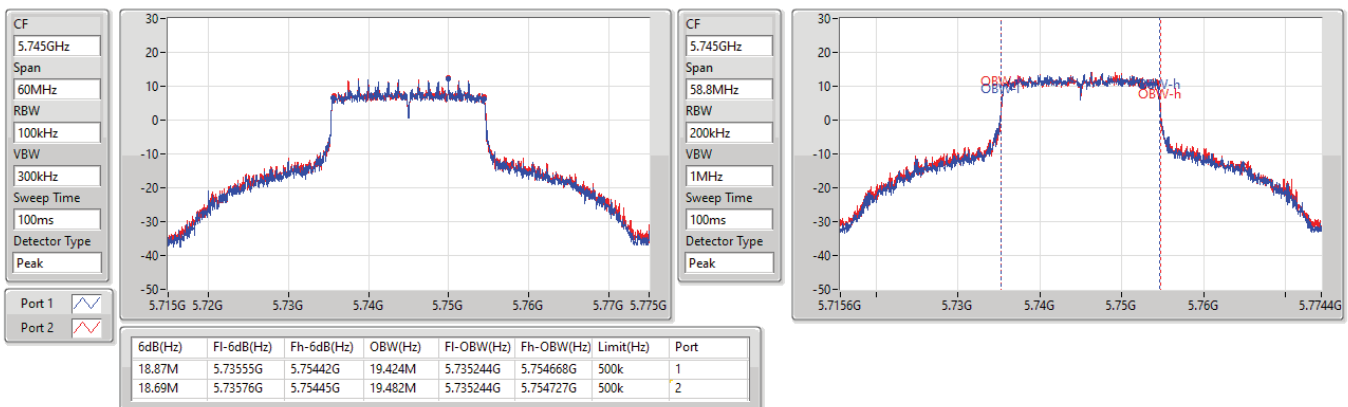


5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5745MHz

24/10/2022

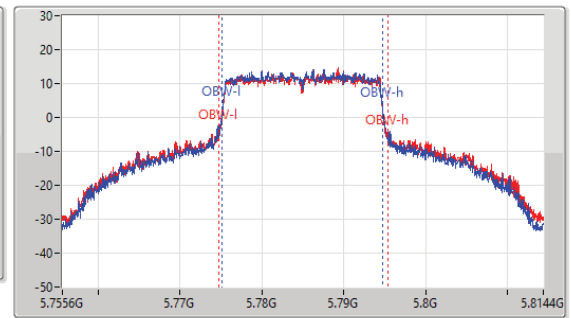
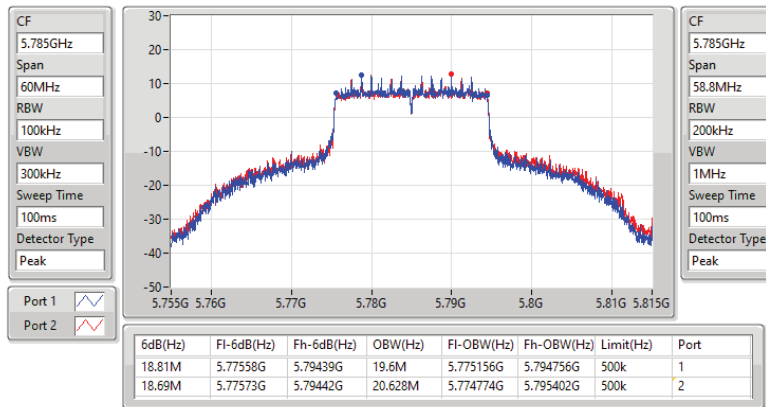


5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5785MHz

24/10/2022

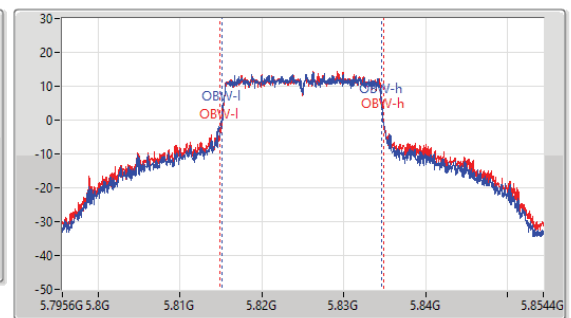
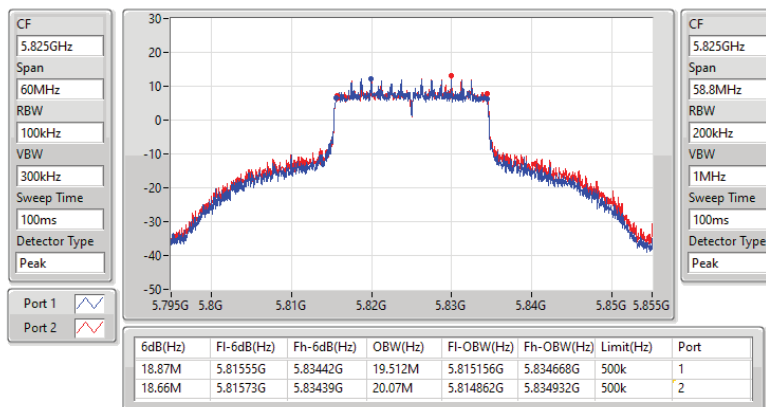


5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5825MHz

24/10/2022

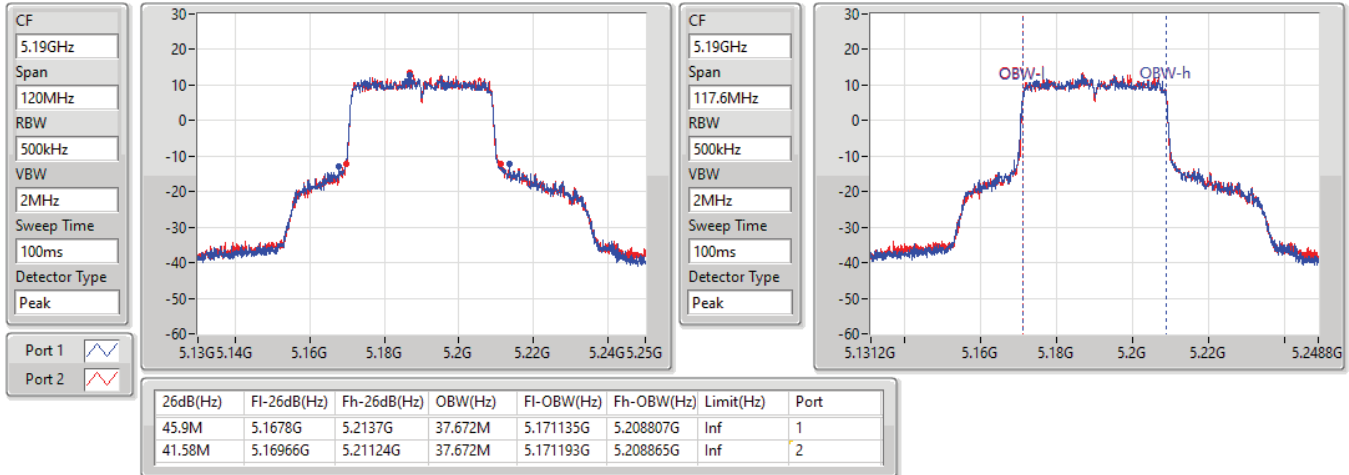


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5190MHz

27/09/2022

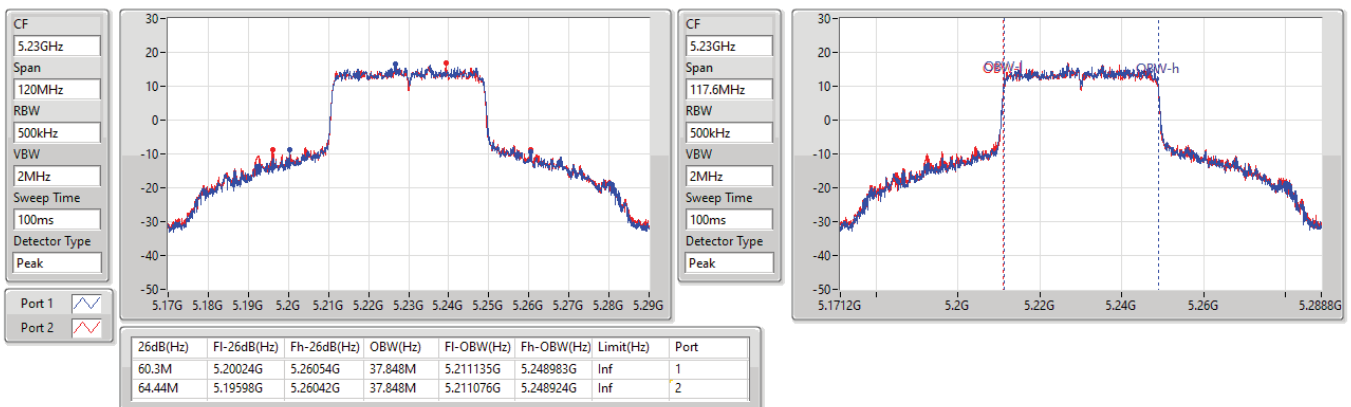


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5230MHz

24/10/2022

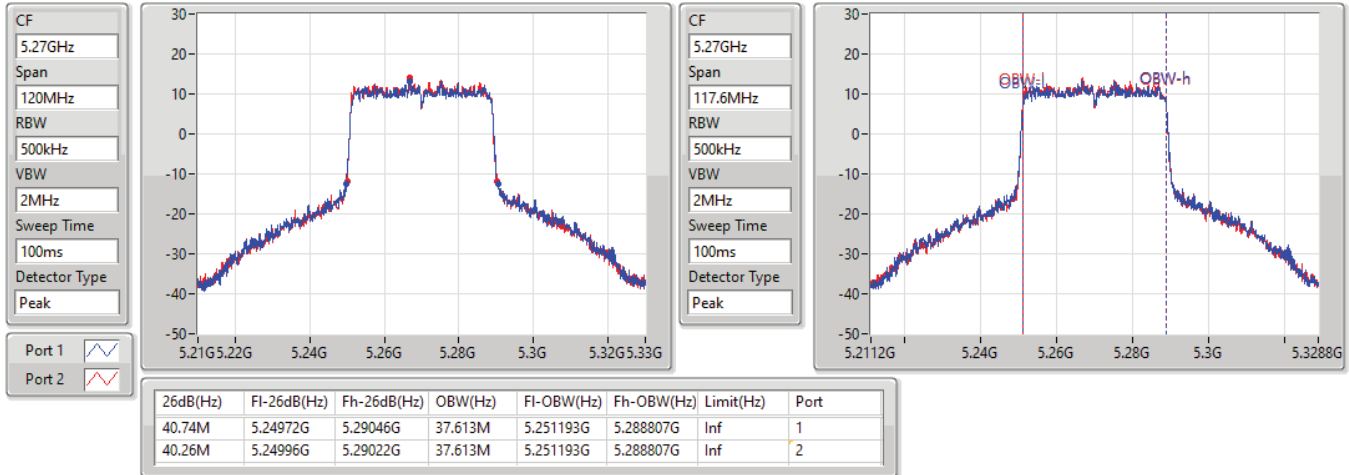


5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5270MHz

27/09/2022

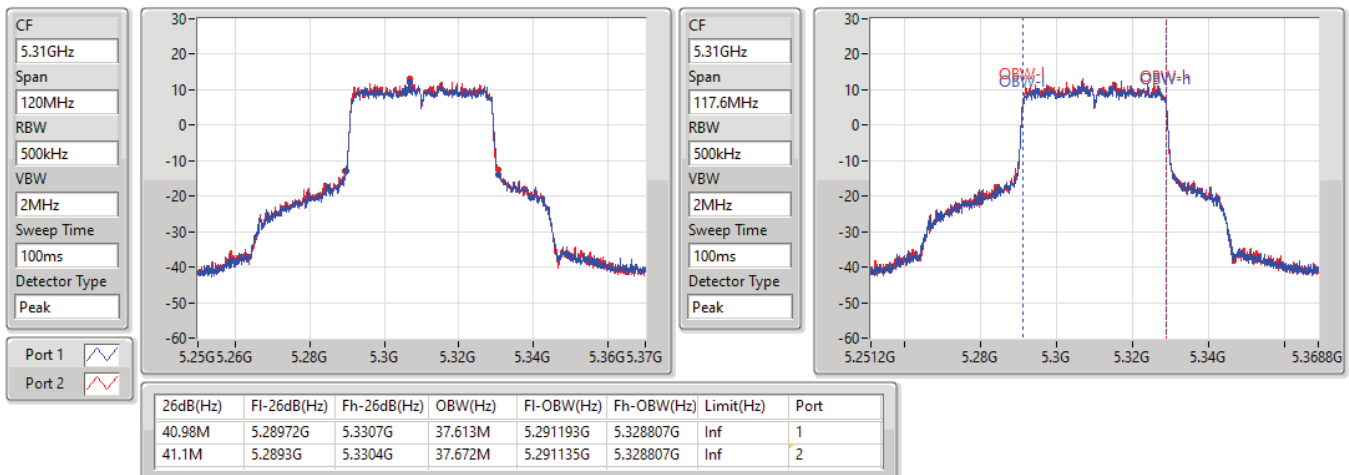


5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

27/09/2022

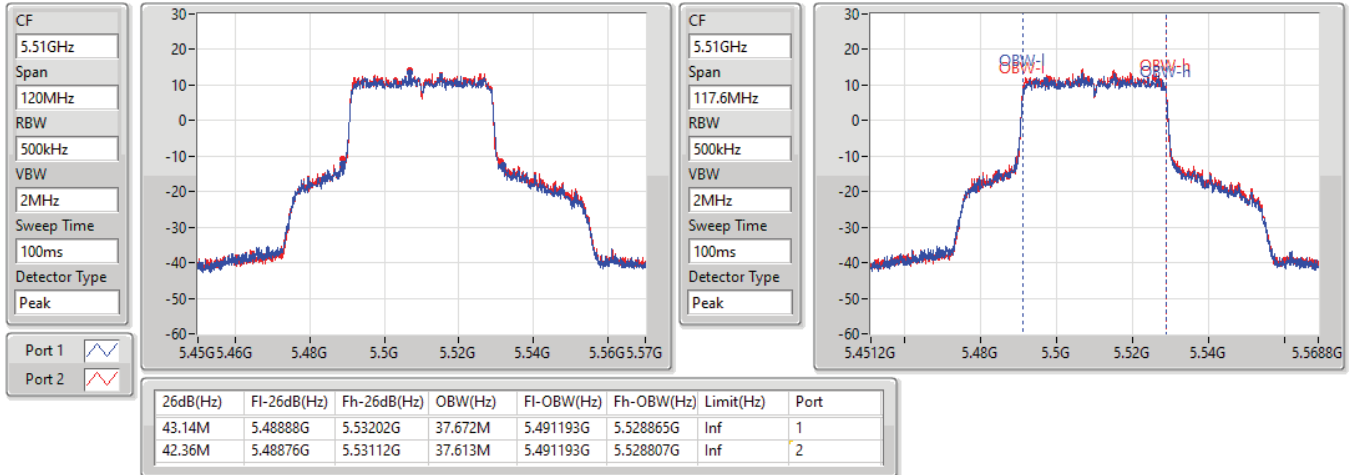


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5510MHz

27/09/2022

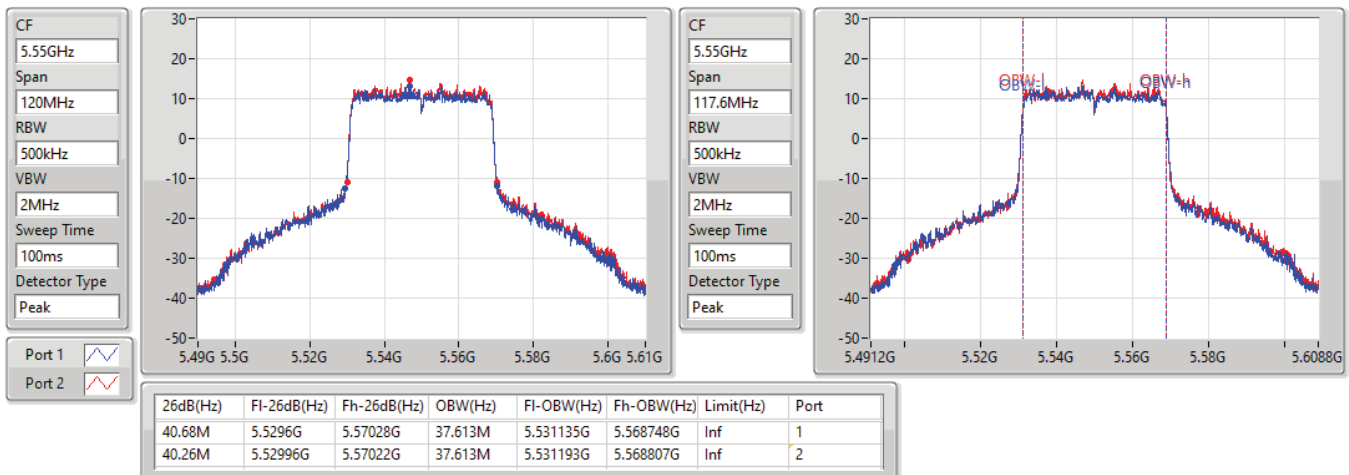


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

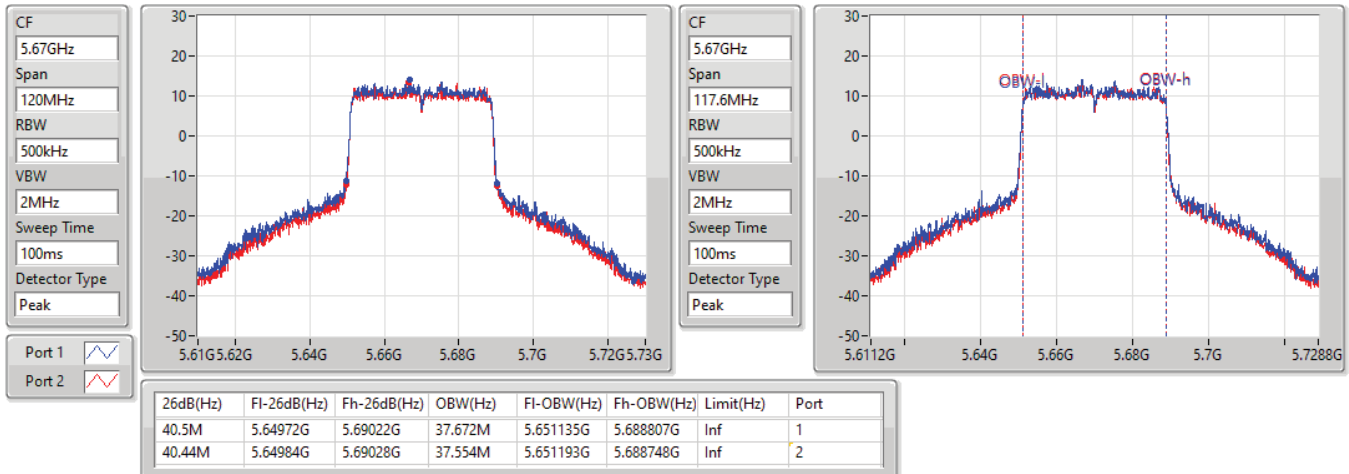
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27/09/2022

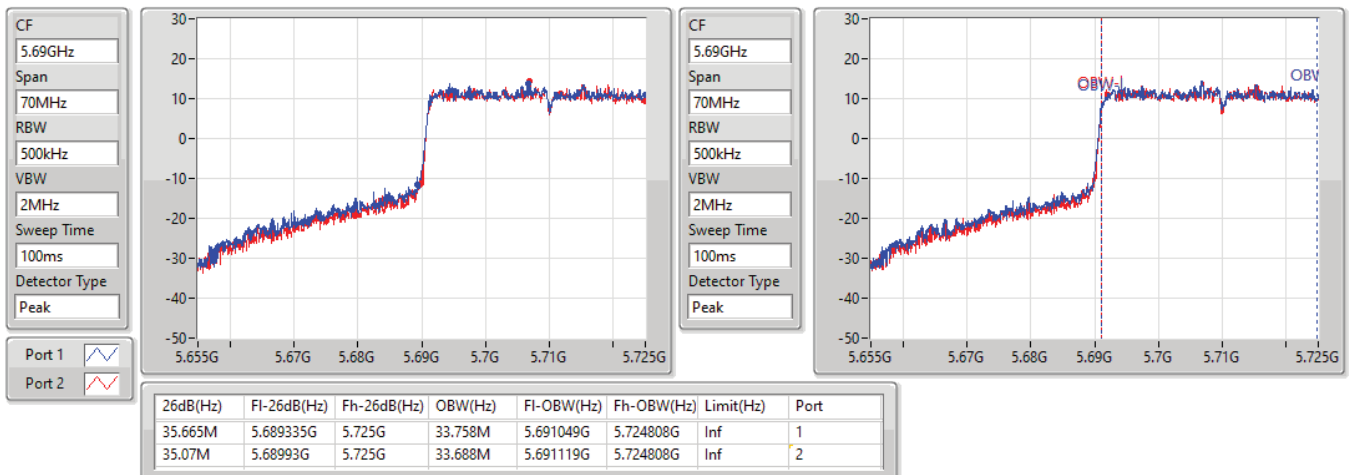


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5670MHz

27/09/2022


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

27/09/2022

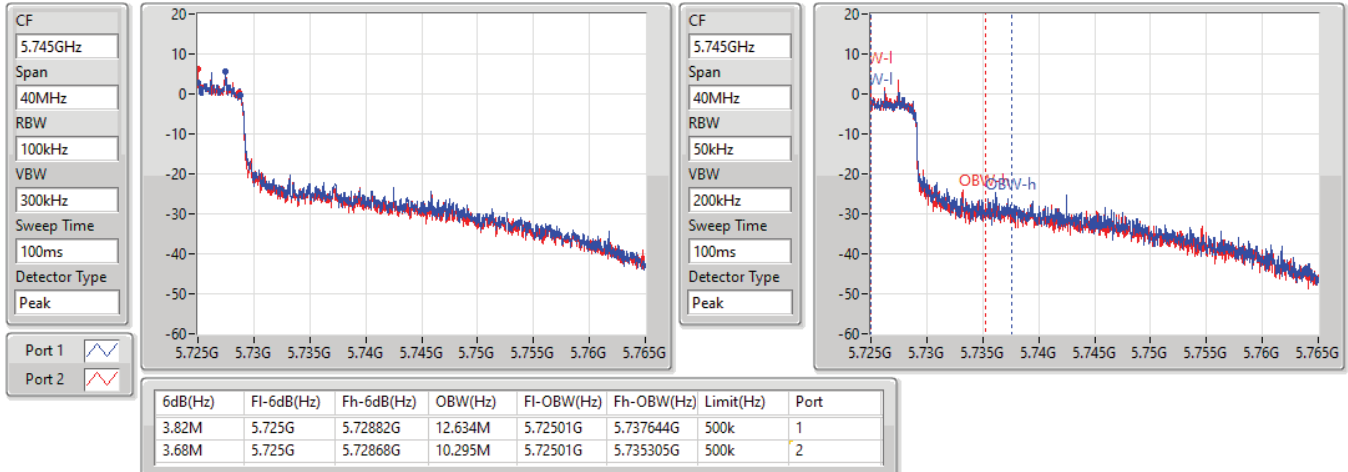


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

27/09/2022

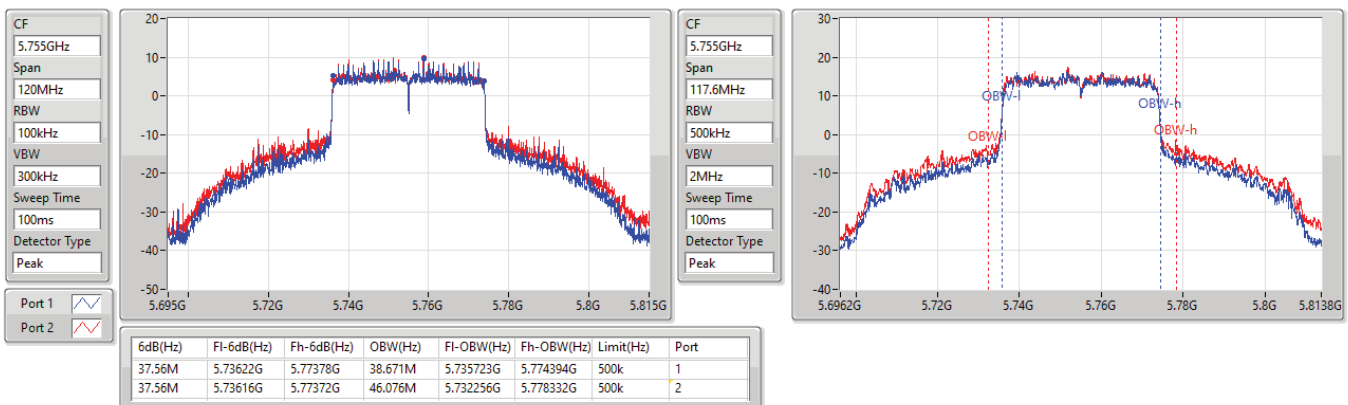


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

24/10/2022

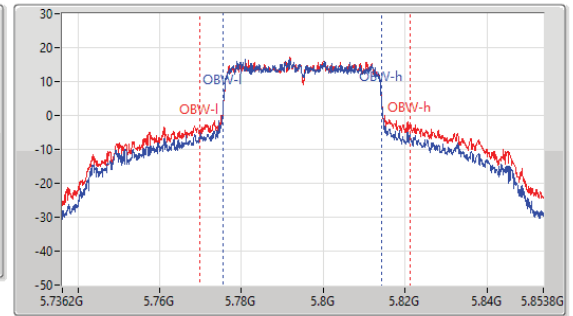
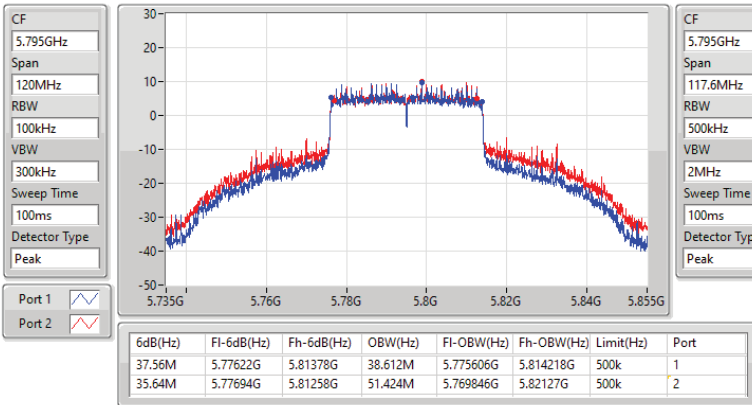


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

24/10/2022

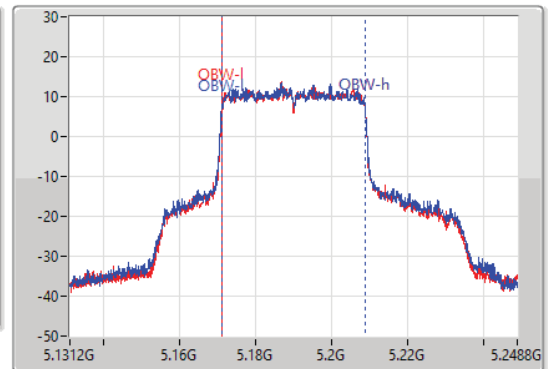
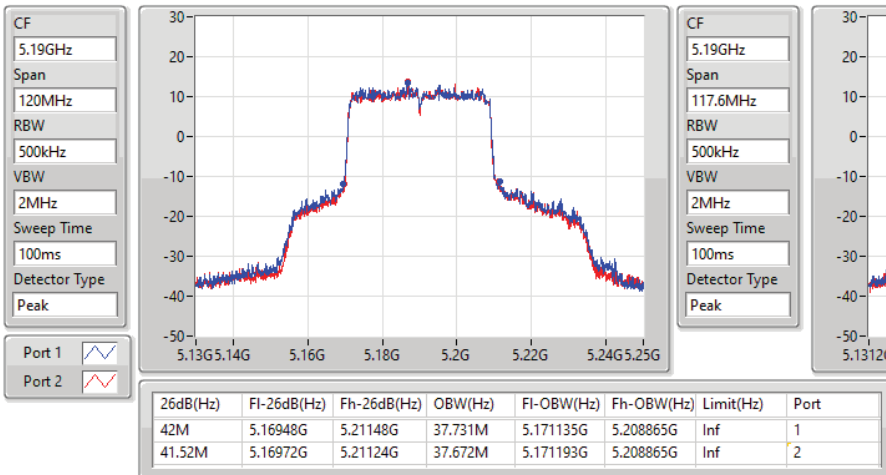


5.15-5.25GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5190MHz

27/09/2022

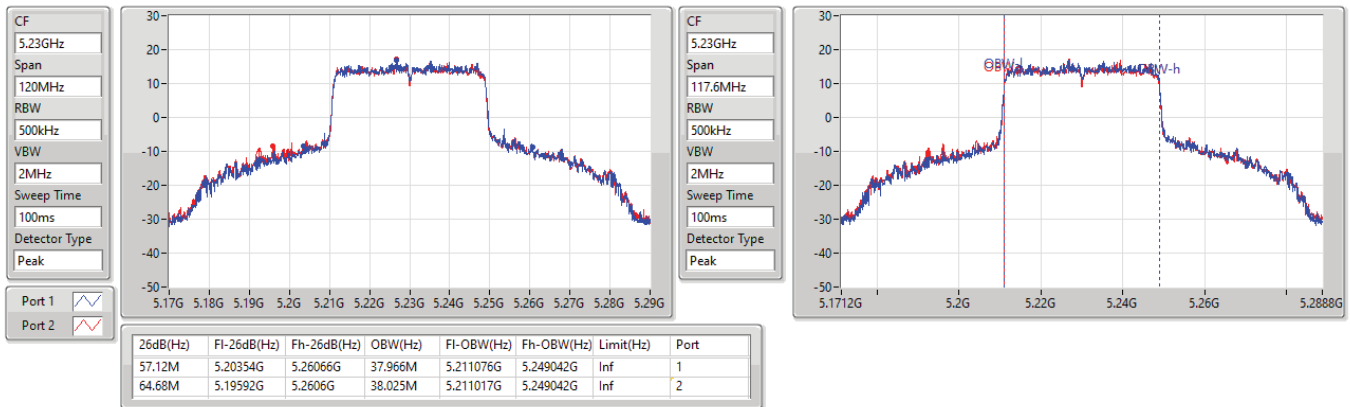


5.15-5.25GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5230MHz

24/10/2022

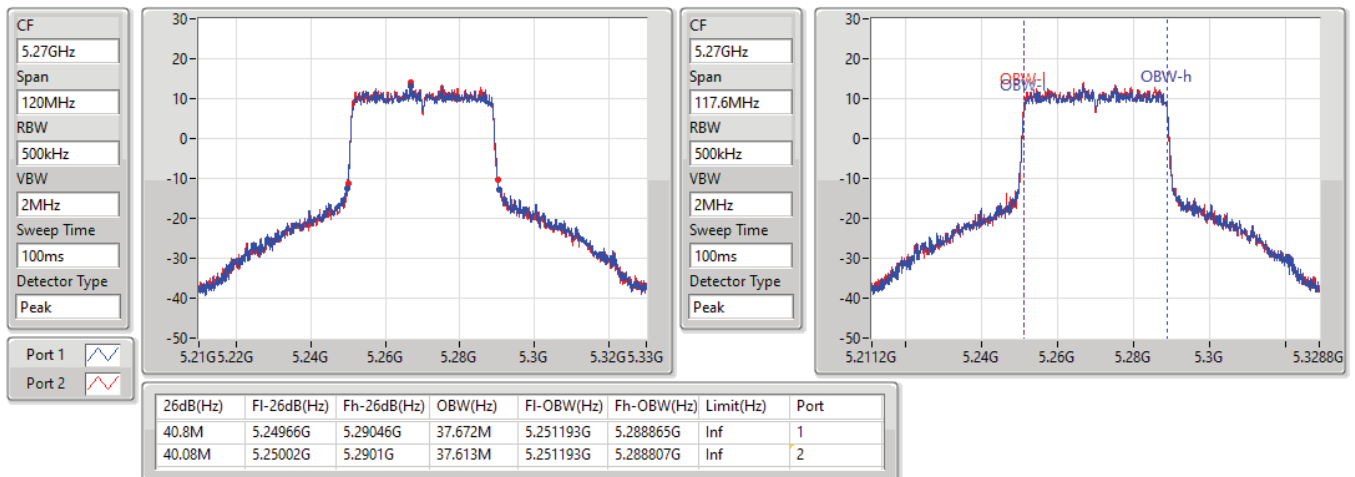


5.25-5.35GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5270MHz

27/09/2022

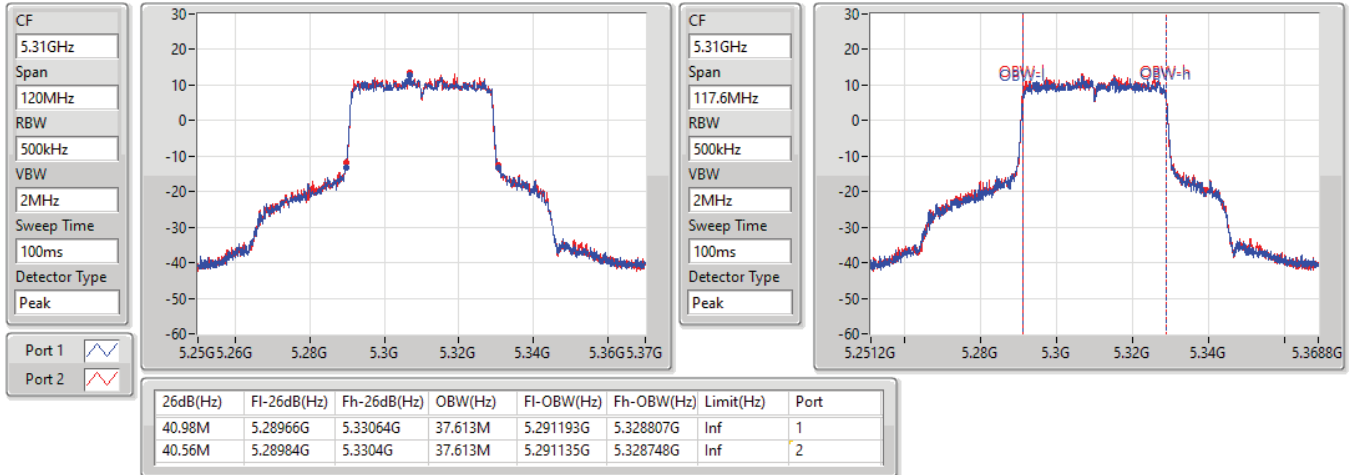


5.25-5.35GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5310MHz

27/09/2022

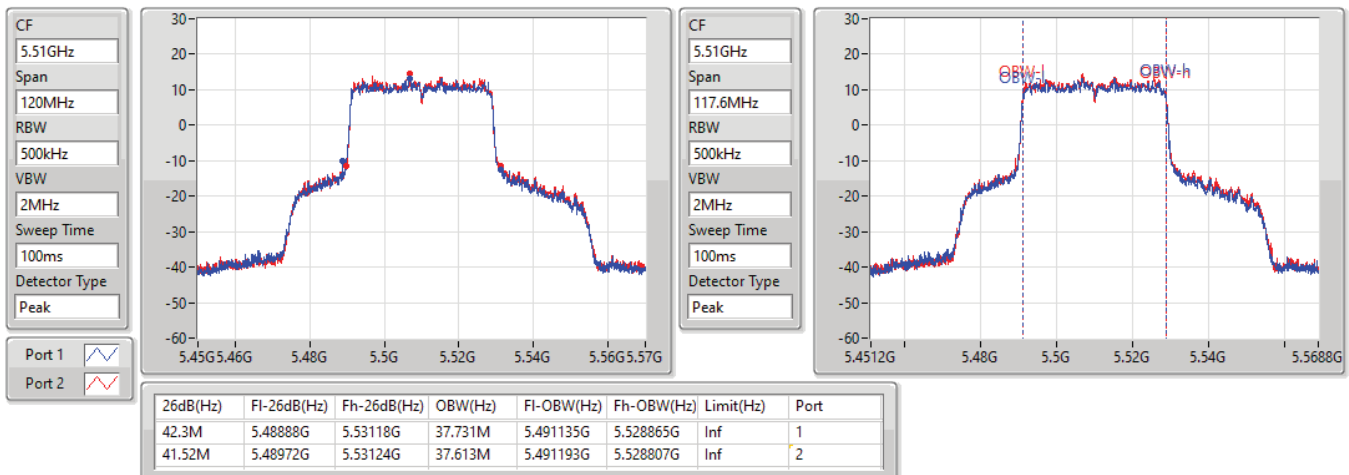


5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5510MHz

27/09/2022

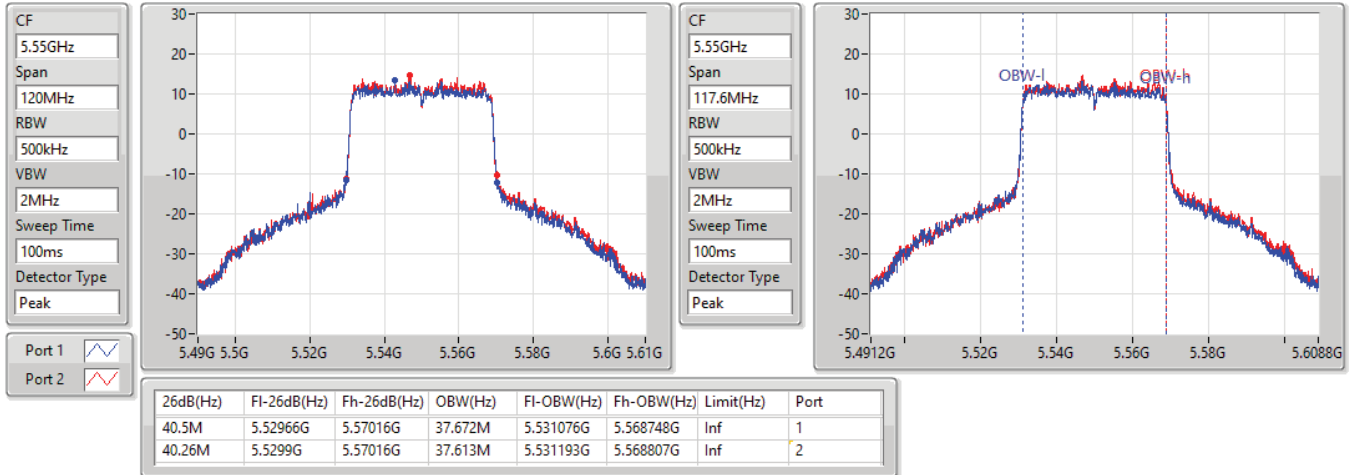


5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5550MHz

27/09/2022

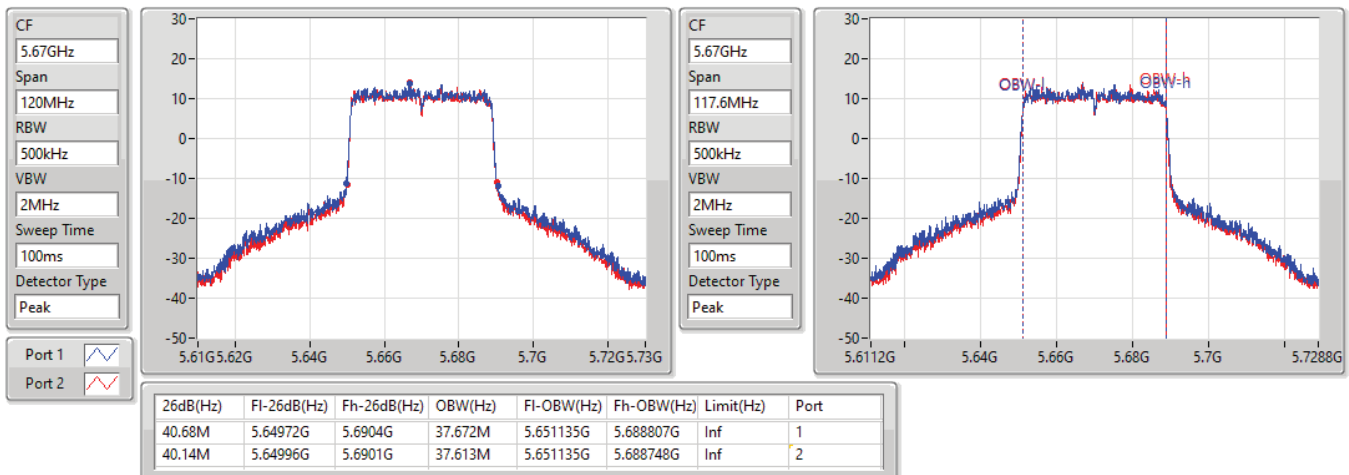


5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

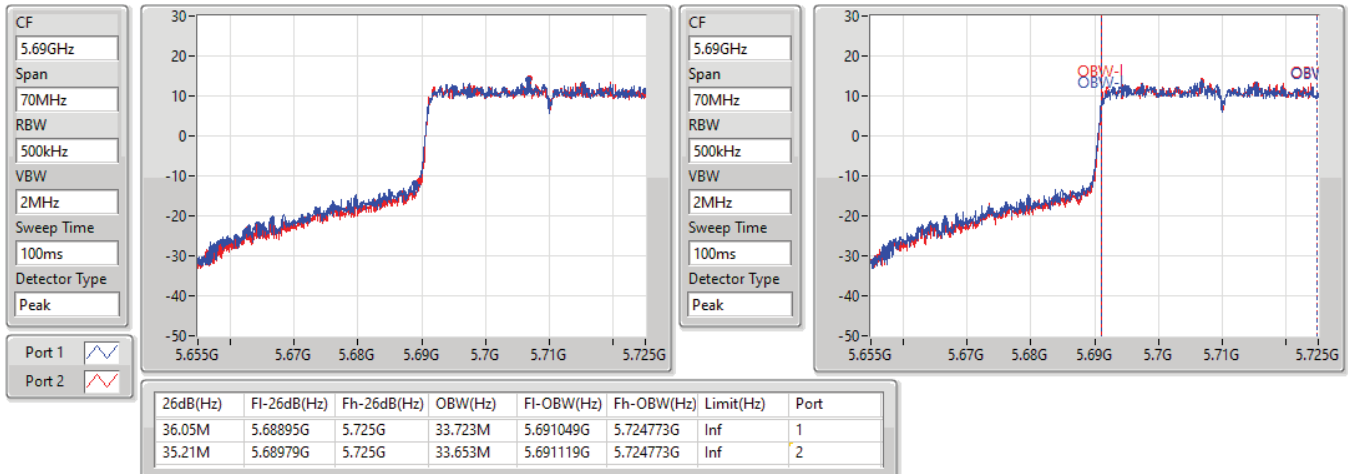
5670MHz

27/09/2022

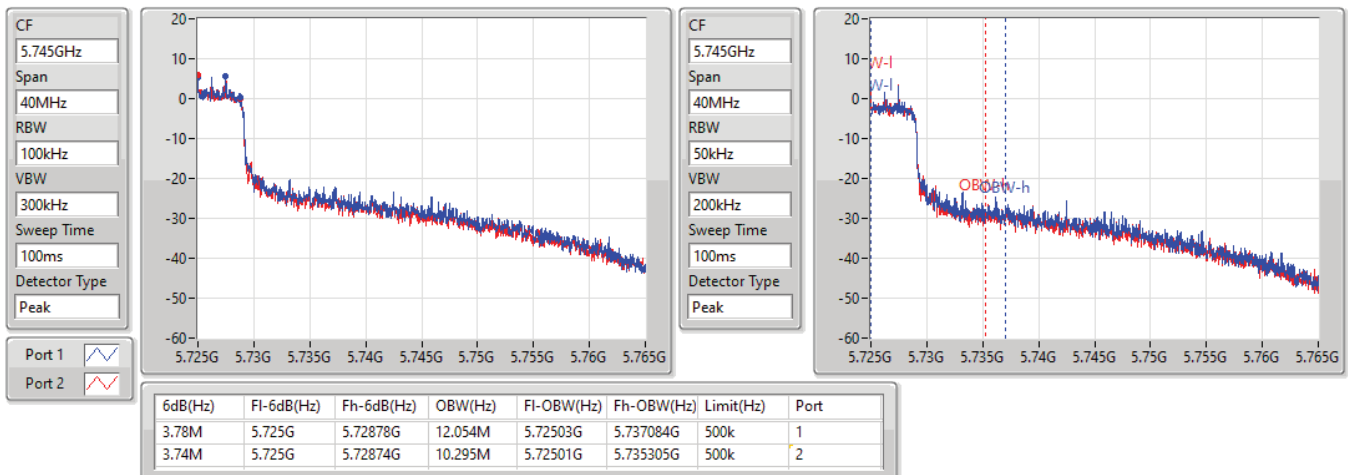


5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

27/09/2022


5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

27/09/2022

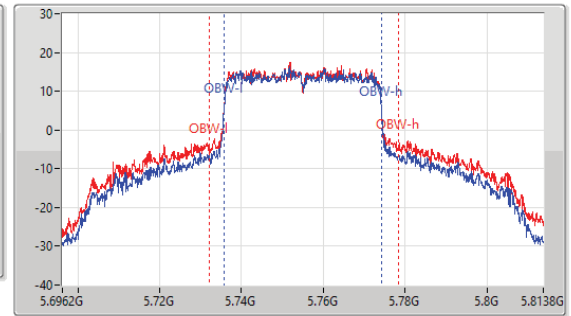
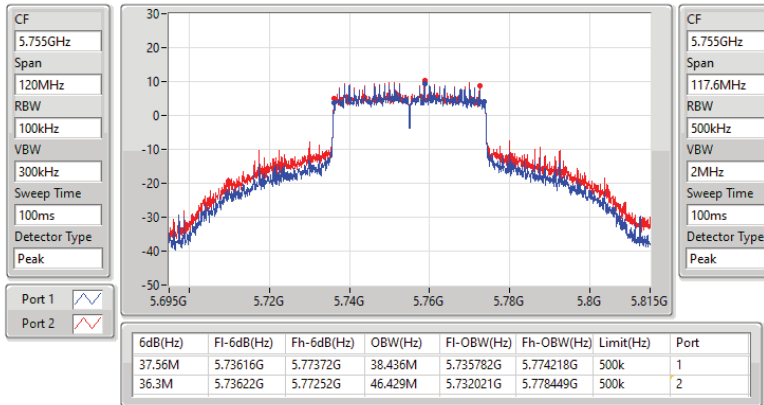


5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5755MHz

24/10/2022

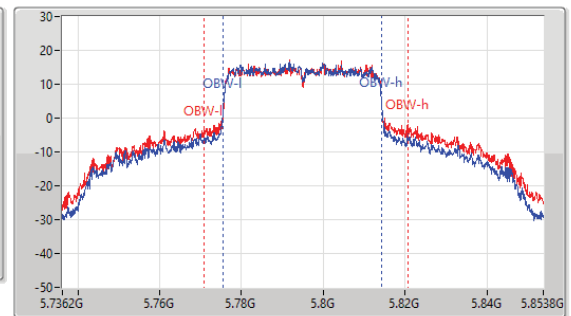
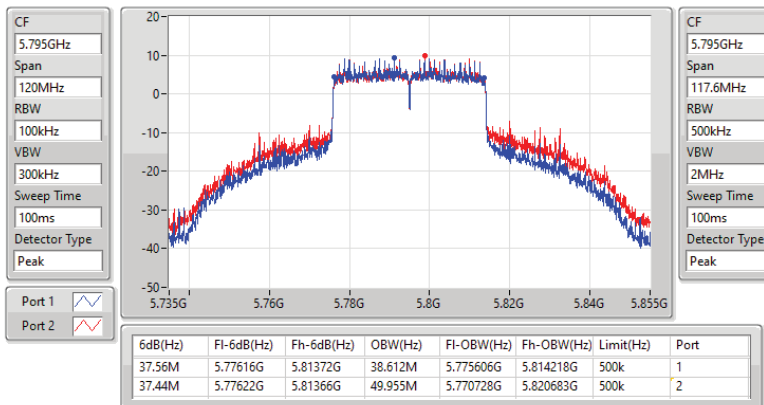


5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5795MHz

24/10/2022

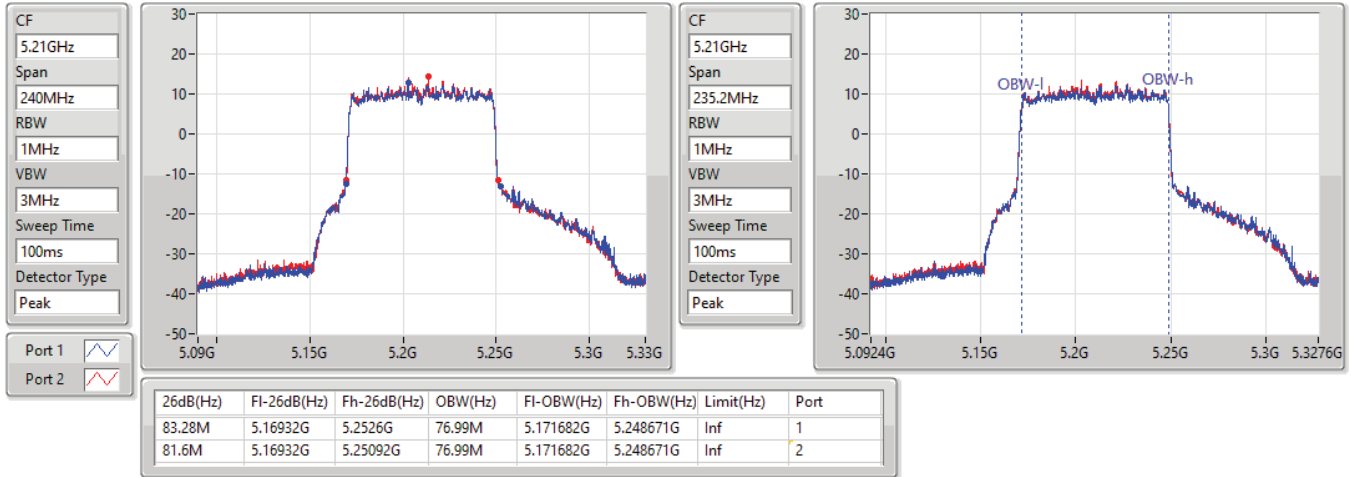


5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5210MHz

27/09/2022

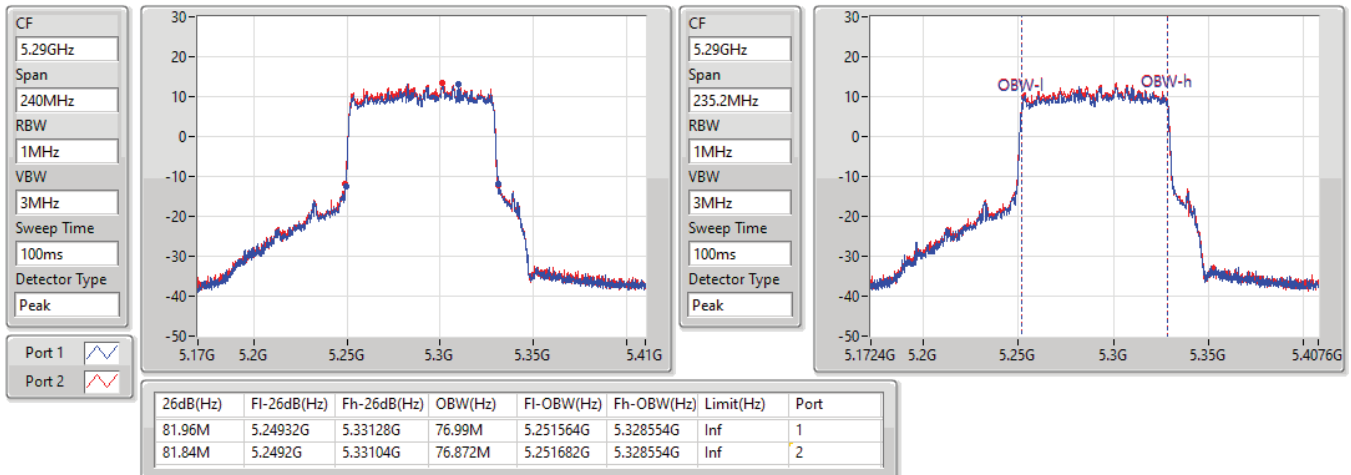


5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5290MHz

27/09/2022

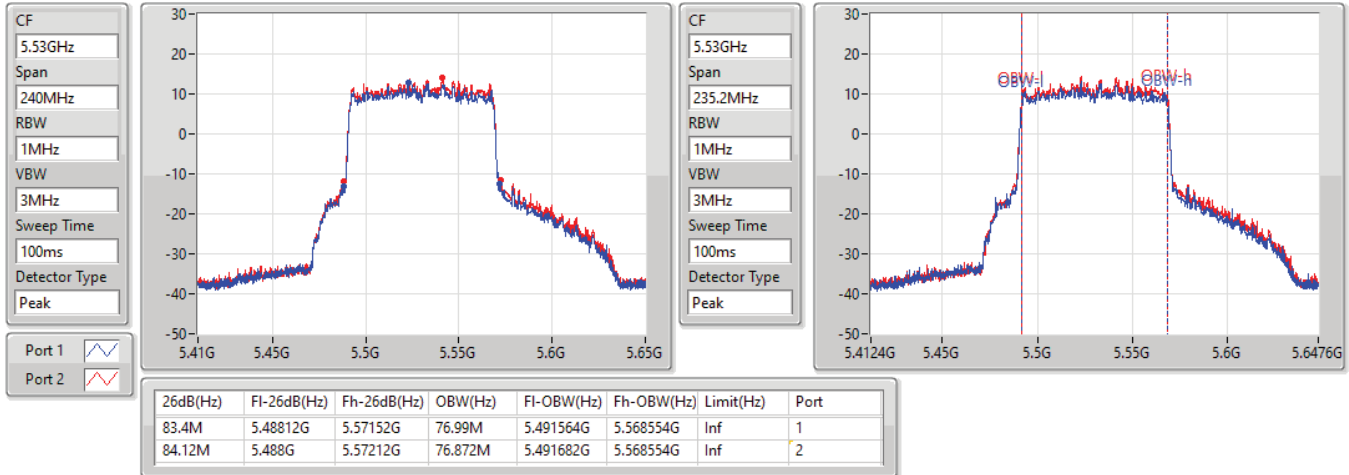


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5530MHz

27/09/2022

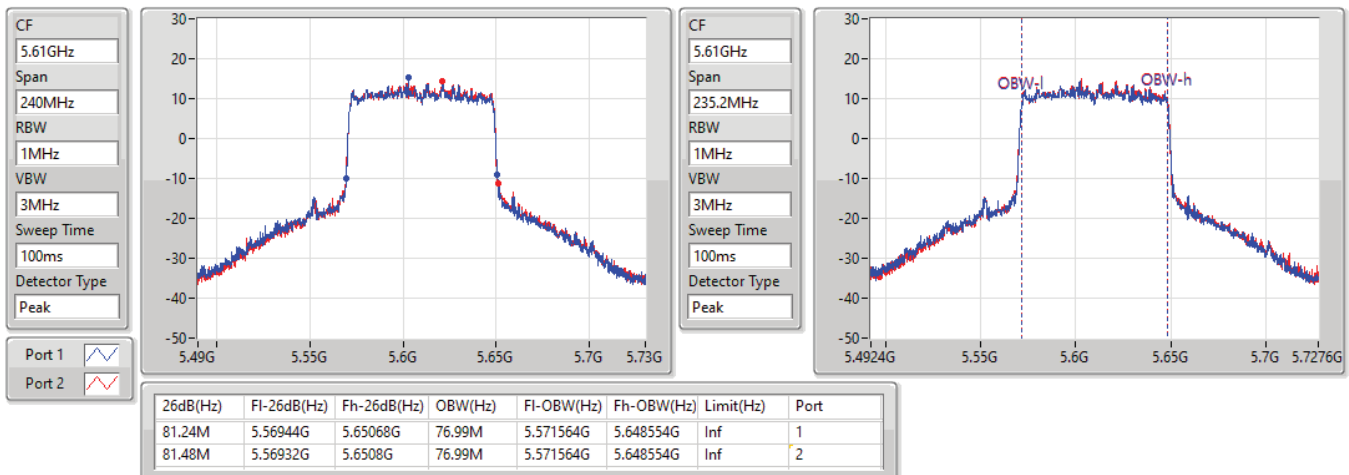


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

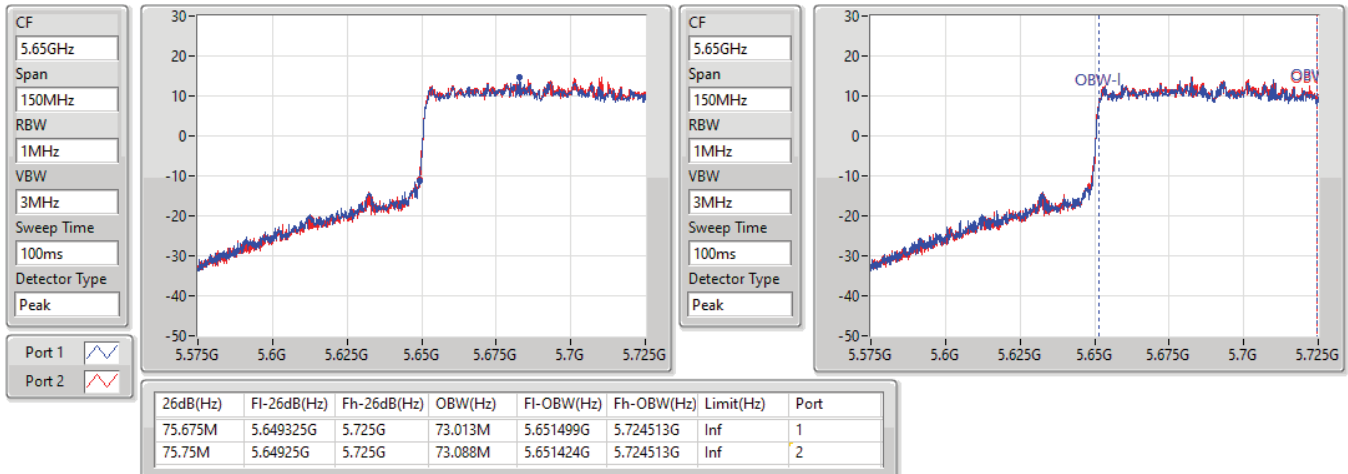
5610MHz

27/09/2022

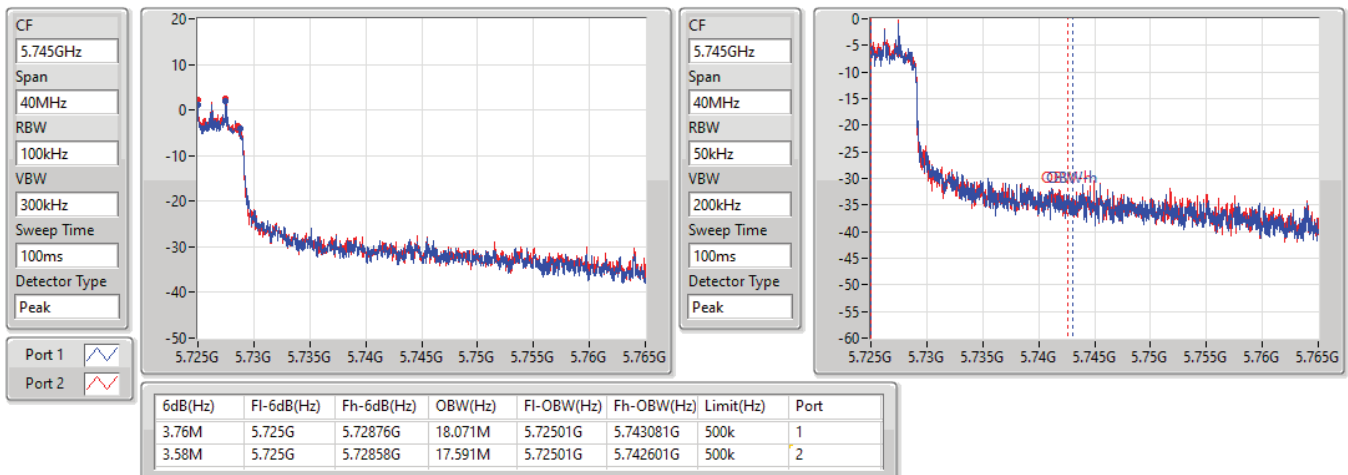


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

27/09/2022


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

27/09/2022

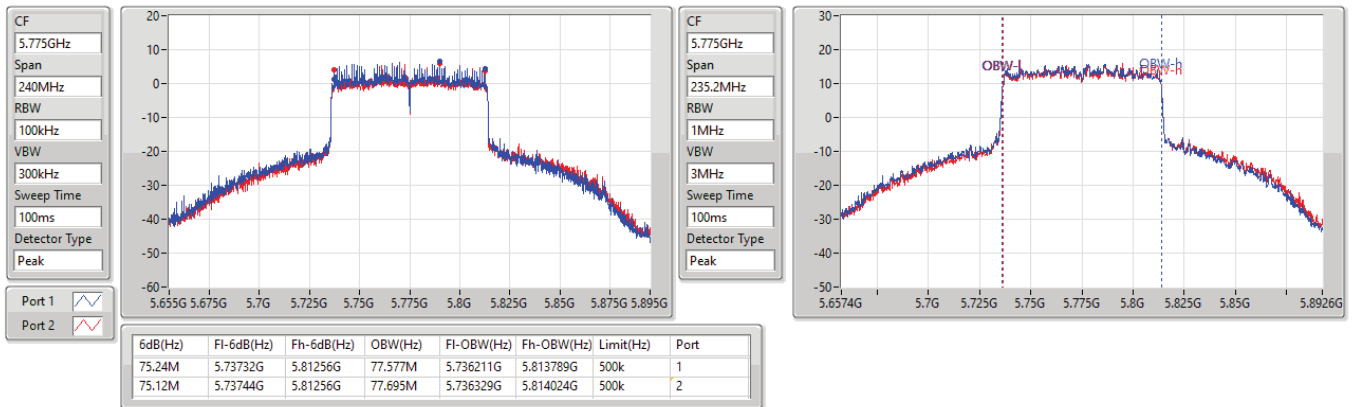


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

24/10/2022

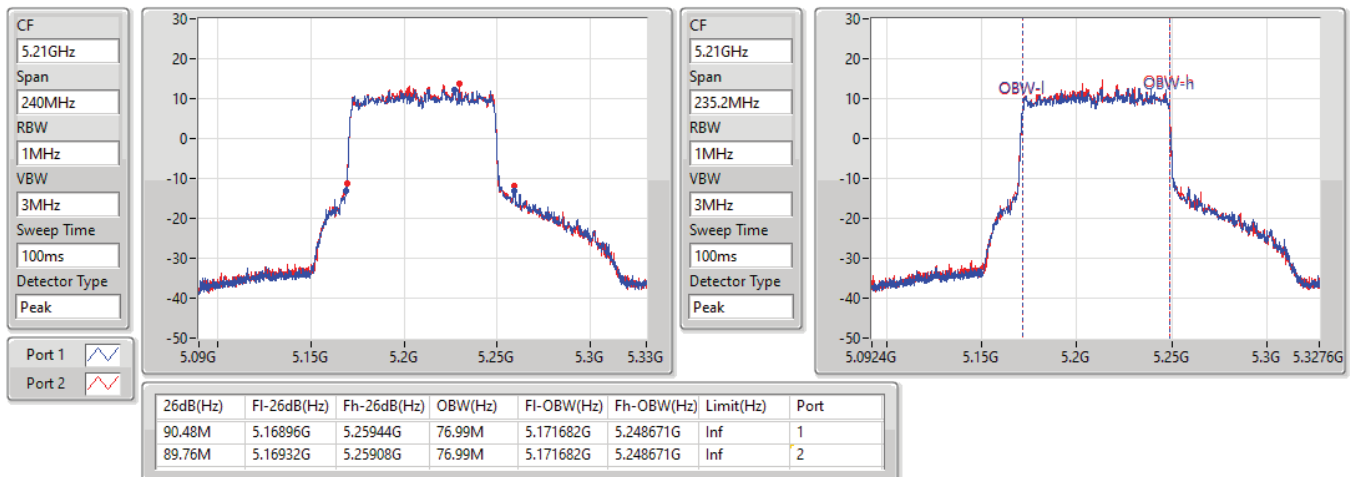


5.15-5.25GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5210MHz

27/09/2022

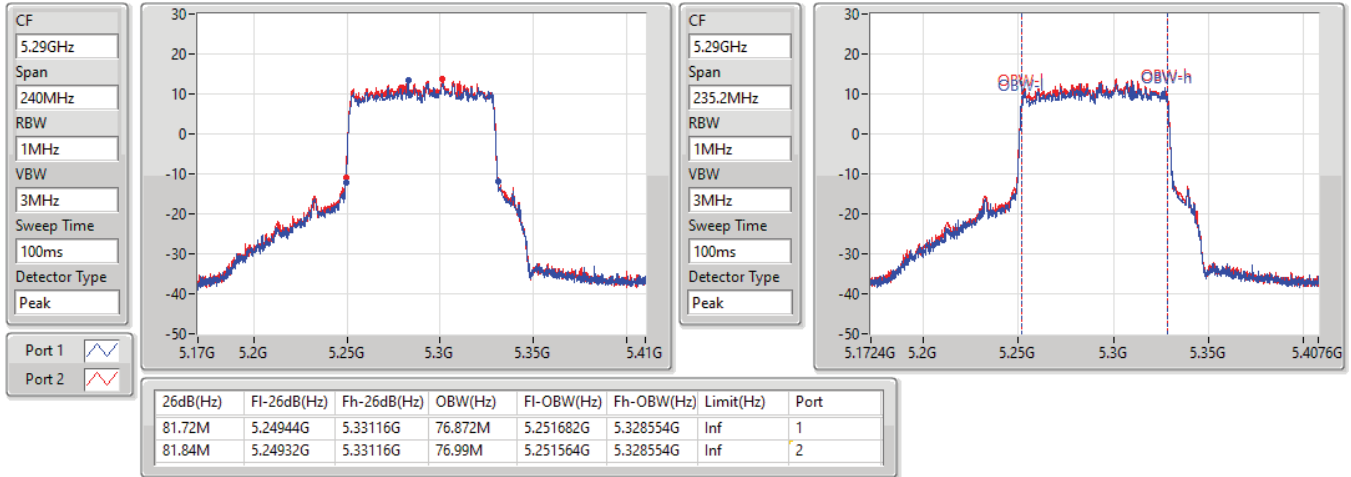


5.25-5.35GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5290MHz

27/09/2022

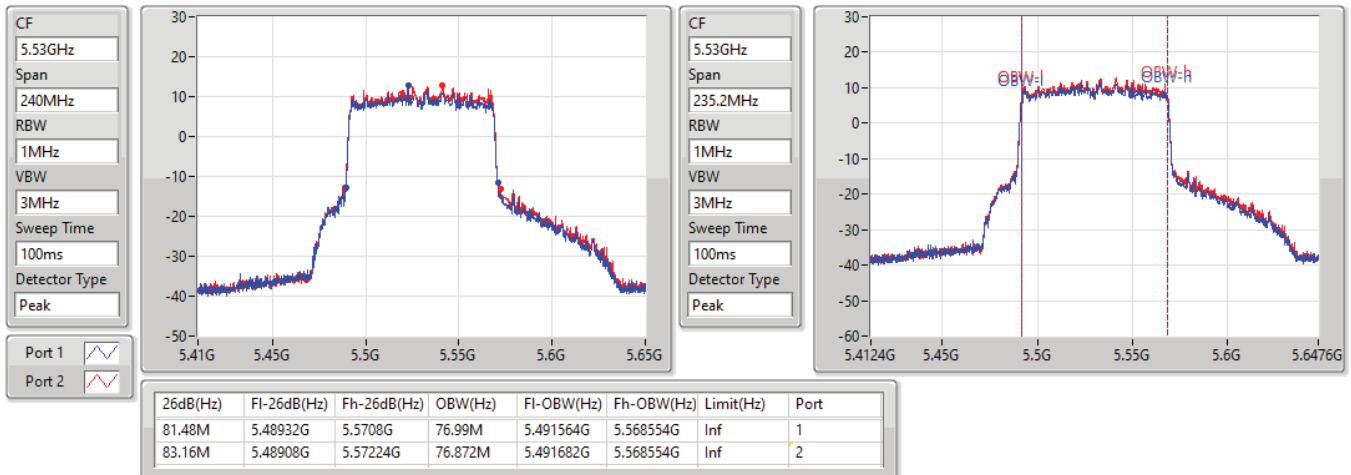


5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

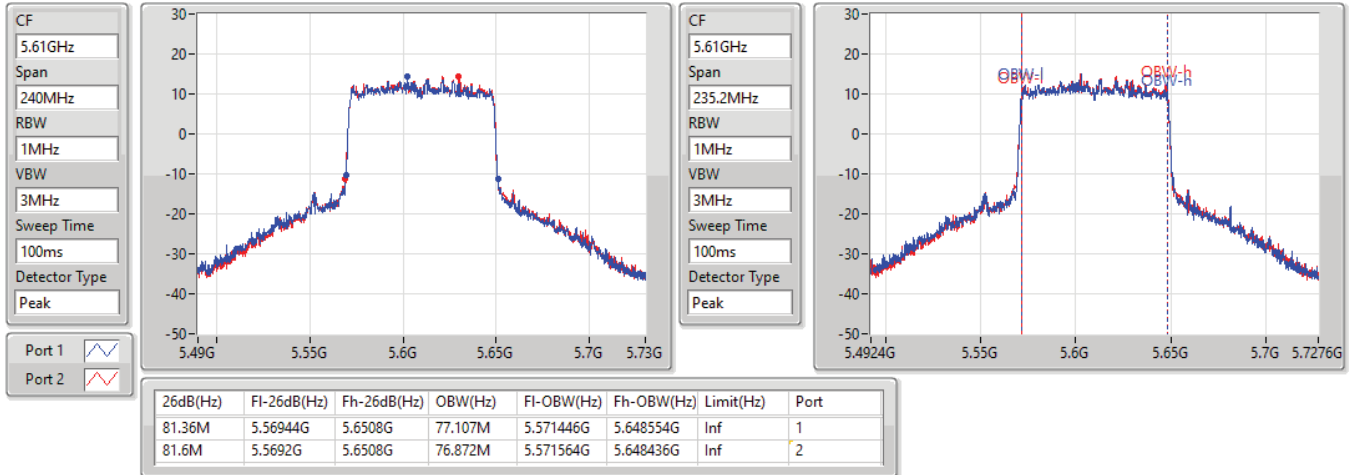
5530MHz

27/09/2022

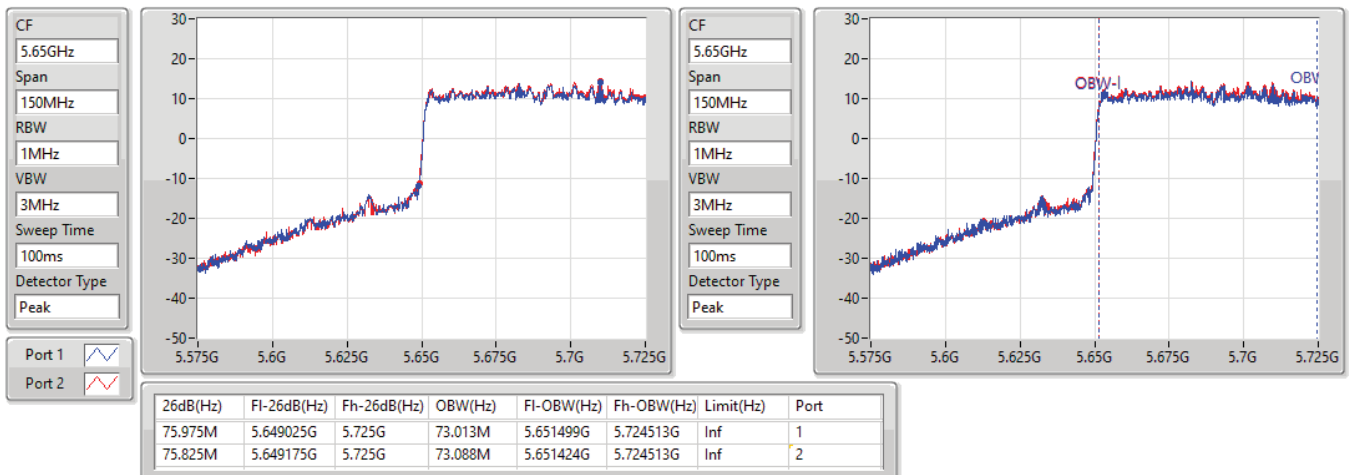


5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
5610MHz

27/09/2022


5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

27/09/2022

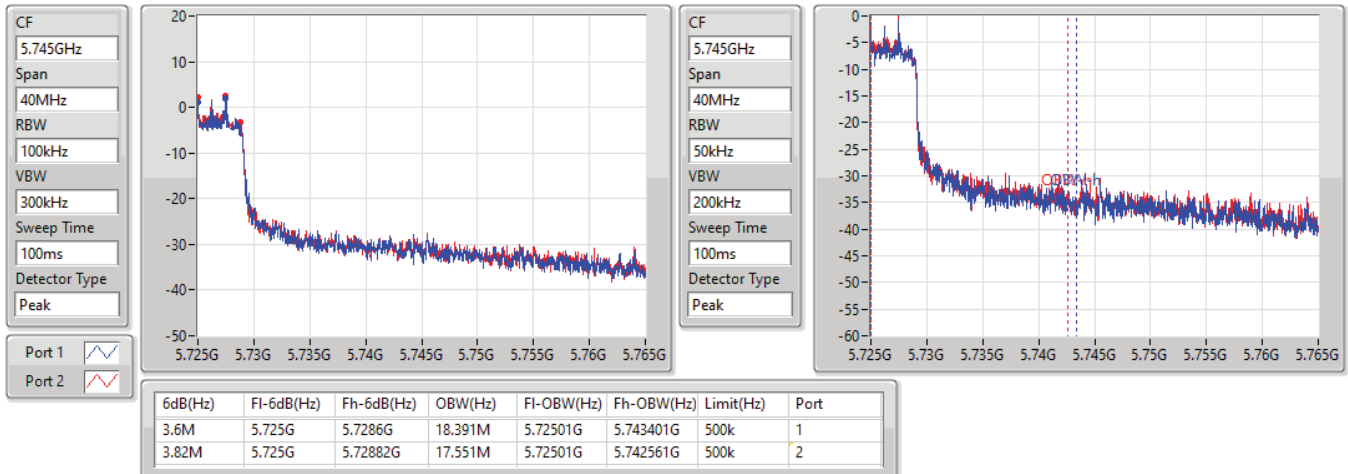


5.725-5.85GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

27/09/2022

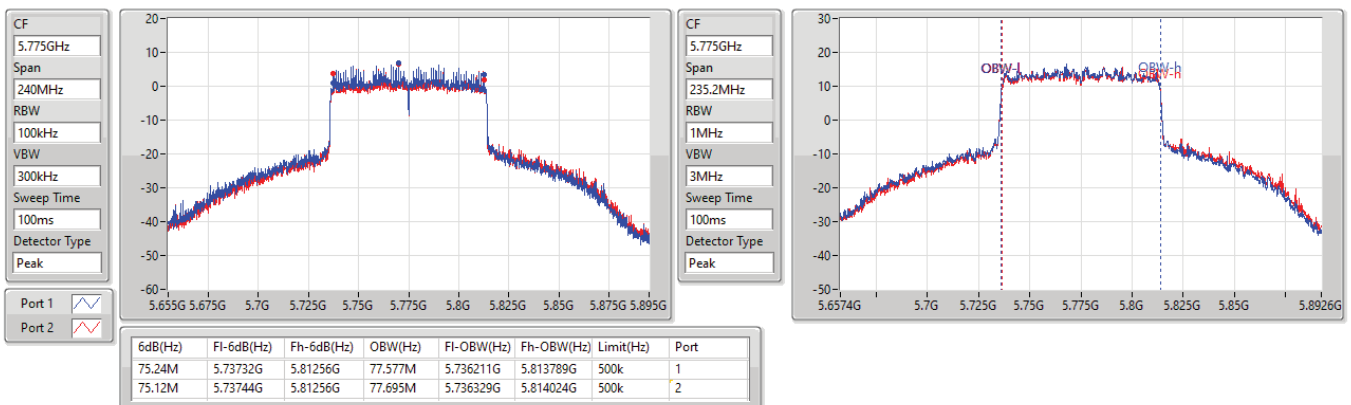


5.725-5.85GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5775MHz

24/10/2022

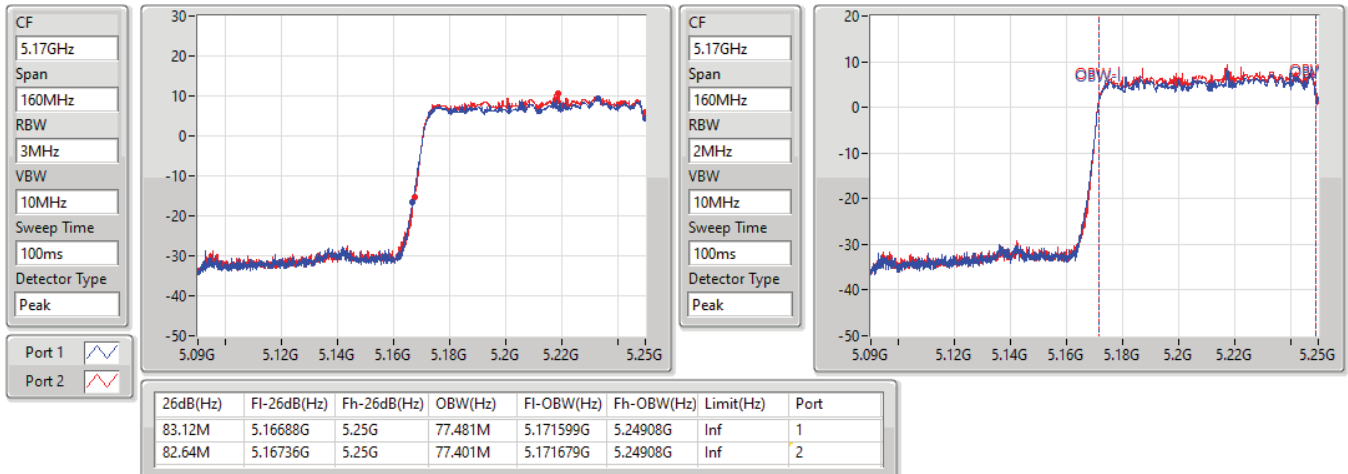


5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

27/09/2022

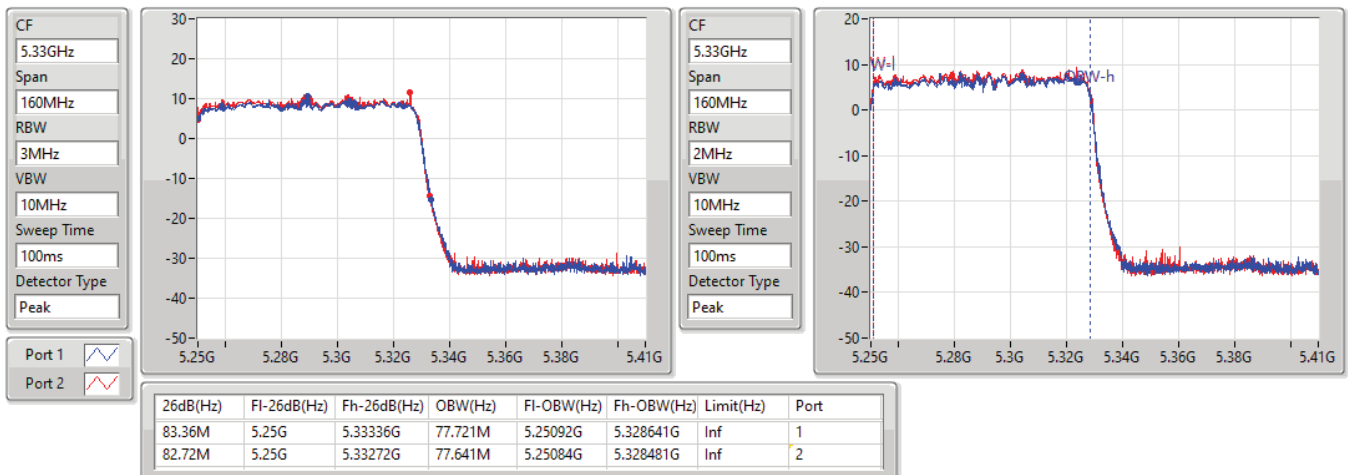


5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

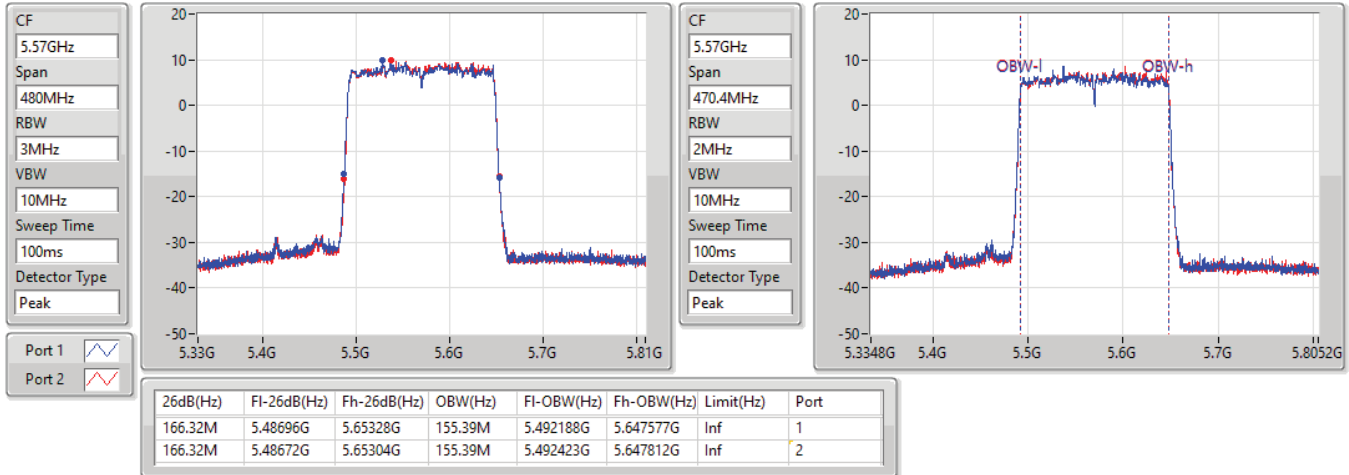
5250MHz Straddle 5.25-5.35GHz

27/09/2022

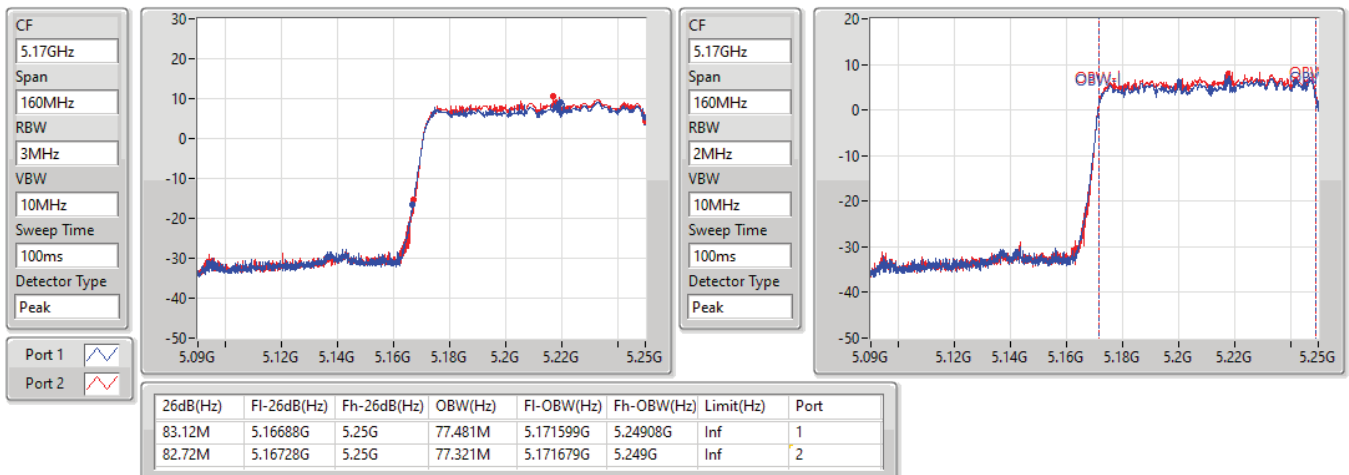


5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_2TX
EBW
5570MHz

27/09/2022


5.15-5.25GHz_802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
5250MHz Straddle 5.15-5.25GHz

27/09/2022

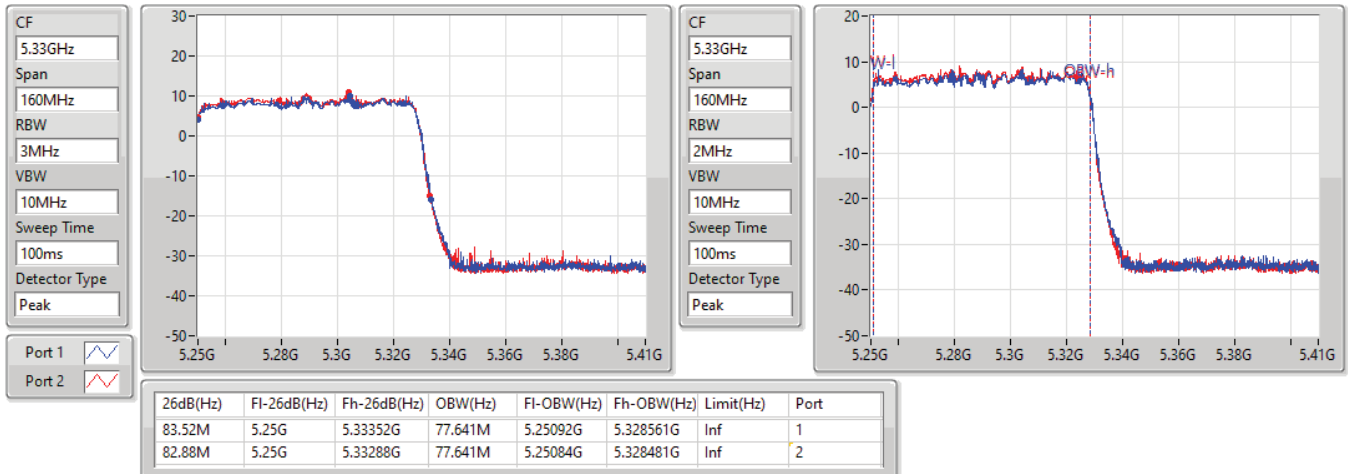


5.25-5.35GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

27/09/2022

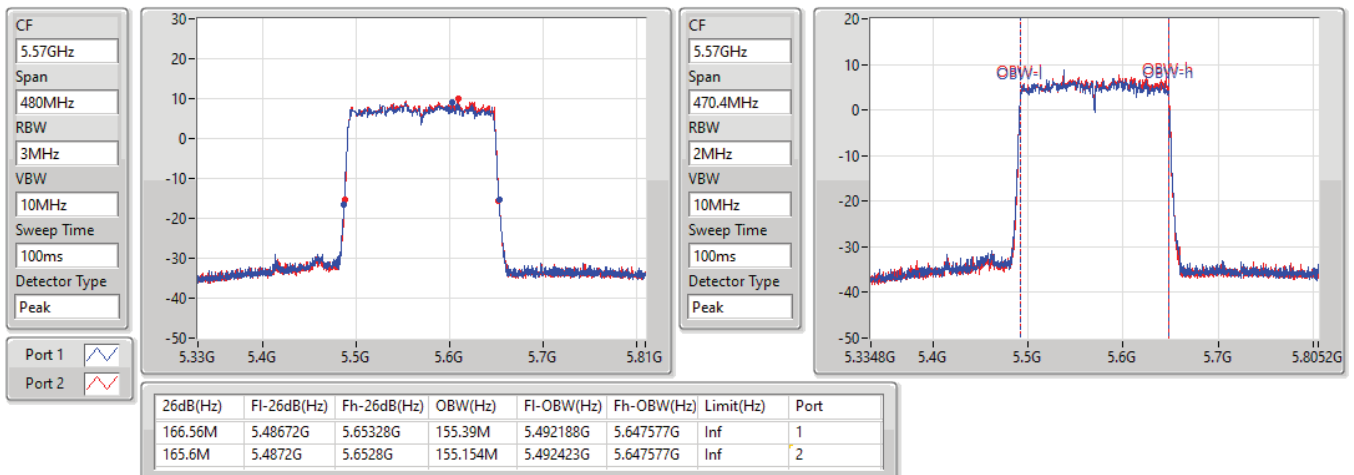


5.47-5.725GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5570MHz

27/09/2022



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	44.76M	21.539M	21M5D1D	23.52M	19.071M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	70.02M	38.142M	38M1D1D	41.82M	37.554M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	82.08M	77.342M	77M3D1D	82.08M	76.637M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	83.68M	78.841M	78M8D1D	82.56M	78.761M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	24.57M	19.159M	19M2D1D	22.2M	19.042M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	42.36M	37.79M	37M8D1D	40.68M	37.496M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	82.44M	77.46M	77M5D1D	81.96M	76.872M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	86.88M	78.041M	78M0D1D	84.32M	77.401M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	25.98M	19.13M	19M1D1D	15.63M	14.333M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	43.38M	37.848M	37M8D1D	36.26M	33.758M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	93.075M	77.46M	77M5D1D	77.475M	73.238M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	165.6M	156.565M	157MD1D	163.92M	155.625M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.93M	19.953M	20M0D1D	4.4M	4.998M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.68M	49.132M	49M1D1D	3.88M	15.732M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	73.56M	77.812M	77M8D1D	3.98M	27.086M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	24.3M	19.071M	23.52M	19.071M
5200MHz	Pass	Inf	44.76M	21.539M	40.29M	20.1M
5240MHz	Pass	Inf	36.9M	19.571M	36.33M	19.453M
5260MHz	Pass	Inf	24.57M	19.159M	24.12M	19.042M
5300MHz	Pass	Inf	22.35M	19.159M	22.35M	19.071M
5320MHz	Pass	Inf	22.68M	19.13M	22.2M	19.042M
5500MHz	Pass	Inf	25.17M	19.13M	25.98M	19.1M
5580MHz	Pass	Inf	22.53M	19.1M	21.81M	19.1M
5700MHz	Pass	Inf	21.63M	19.042M	21.63M	19.071M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.63M	14.333M	16.095M	14.633M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.998M	4.4M	5.477M
5745MHz	Pass	500k	18.63M	19.394M	18.78M	19.453M
5785MHz	Pass	500k	18.81M	19.864M	18.81M	19.953M
5825MHz	Pass	500k	18.9M	19.688M	18.93M	19.571M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.82M	37.554M	42.72M	37.731M
5230MHz	Pass	Inf	70.02M	38.142M	59.58M	38.025M
5270MHz	Pass	Inf	40.68M	37.672M	41.52M	37.731M
5310MHz	Pass	Inf	41.1M	37.496M	42.36M	37.79M
5510MHz	Pass	Inf	43.38M	37.613M	42.24M	37.848M
5550MHz	Pass	Inf	40.56M	37.613M	41.1M	37.79M
5670MHz	Pass	Inf	41.04M	37.554M	41.46M	37.731M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	36.26M	33.758M	39.725M	33.828M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	17.131M	3.88M	15.732M
5755MHz	Pass	500k	37.56M	38.612M	37.08M	40.493M
5795MHz	Pass	500k	36.12M	38.26M	37.68M	49.132M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.08M	77.342M	82.08M	76.637M
5290MHz	Pass	Inf	81.96M	77.46M	82.44M	76.872M
5530MHz	Pass	Inf	81.84M	77.46M	82.2M	76.754M
5610MHz	Pass	Inf	83.4M	77.46M	81.36M	76.872M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.475M	73.238M	93.075M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	27.786M	4M	27.086M
5775MHz	Pass	500k	12M	77.812M	73.56M	77.46M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.56M	78.761M	83.68M	78.841M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	84.32M	77.401M	86.88M	78.041M
5570MHz	Pass	Inf	163.92M	155.625M	165.6M	156.565M

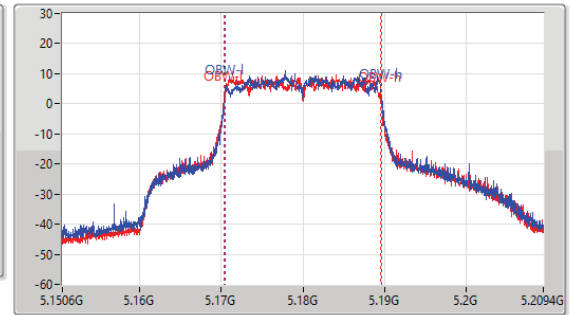
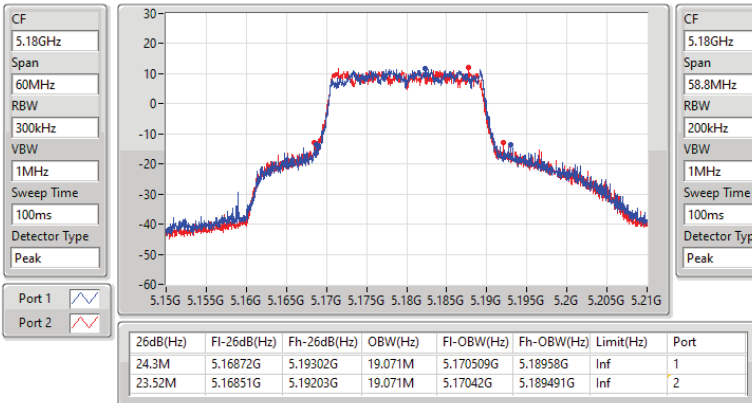
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5180MHz

12/10/2022

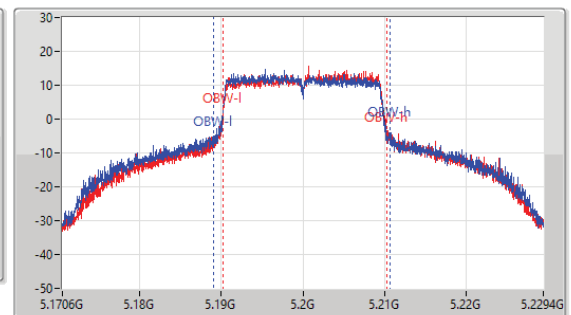
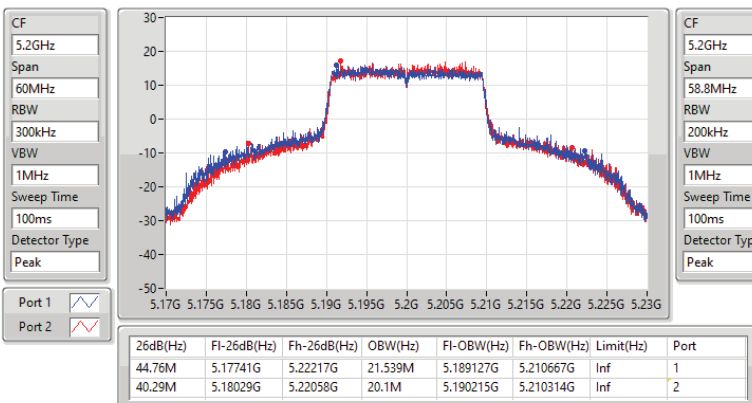


5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5200MHz

25/10/2022

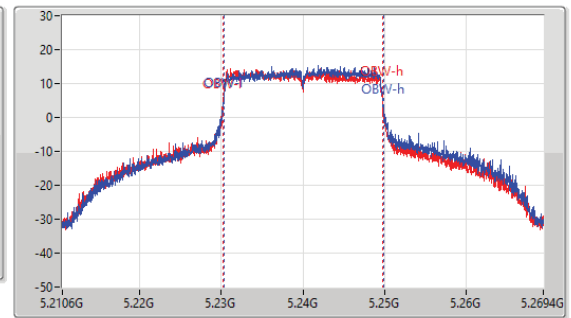
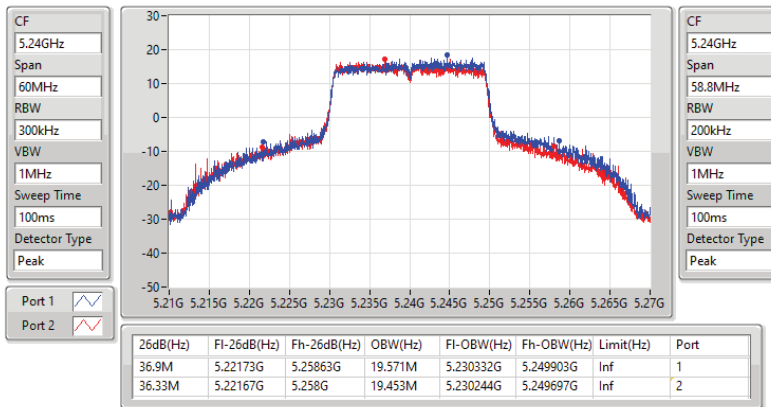


5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5240MHz

25/10/2022

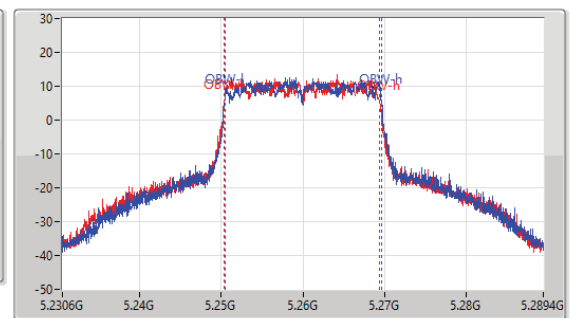
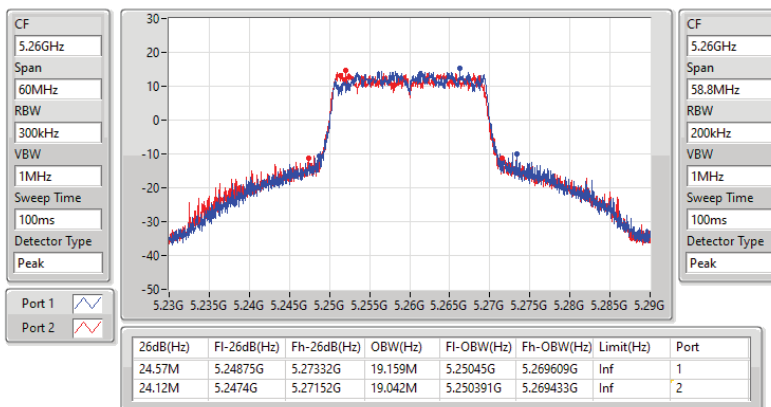


5.25-5.35GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5260MHz

12/10/2022

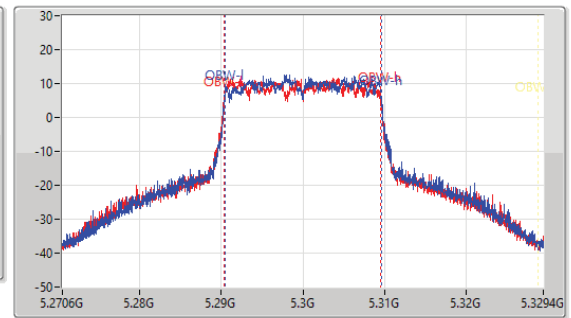
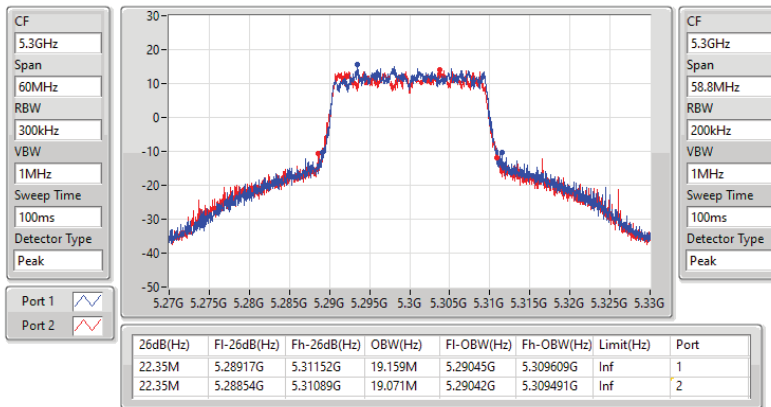


5.25-5.35GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5300MHz

12/10/2022

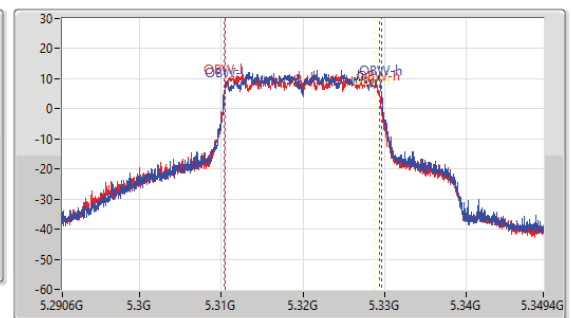
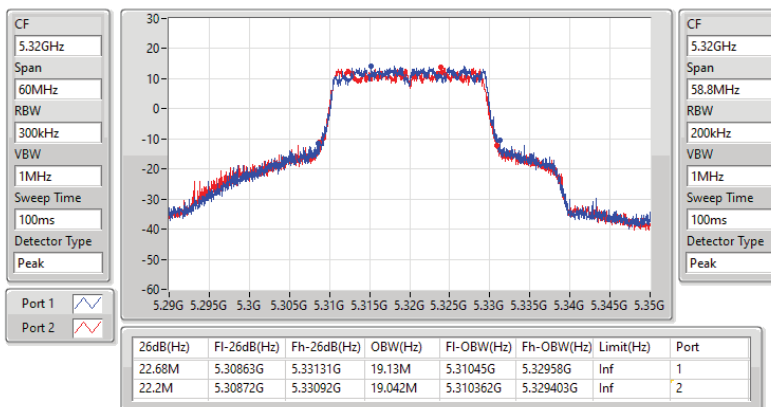


5.25-5.35GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5320MHz

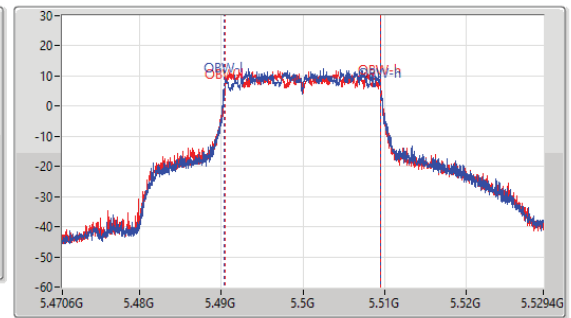
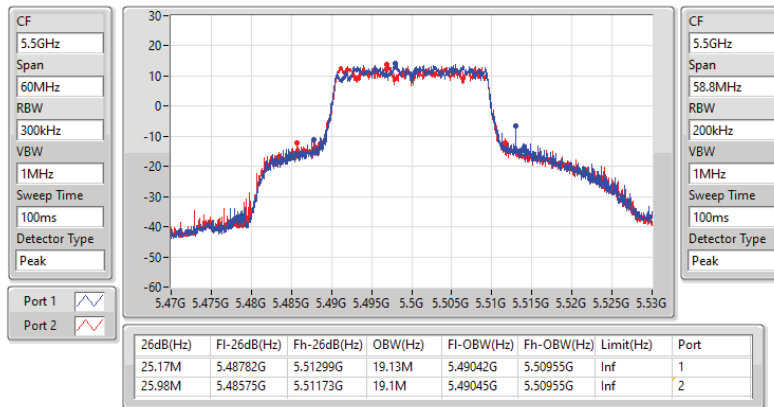
12/10/2022



5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX 5500MHz

EBW

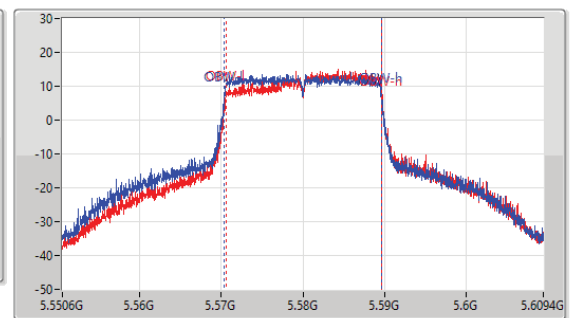
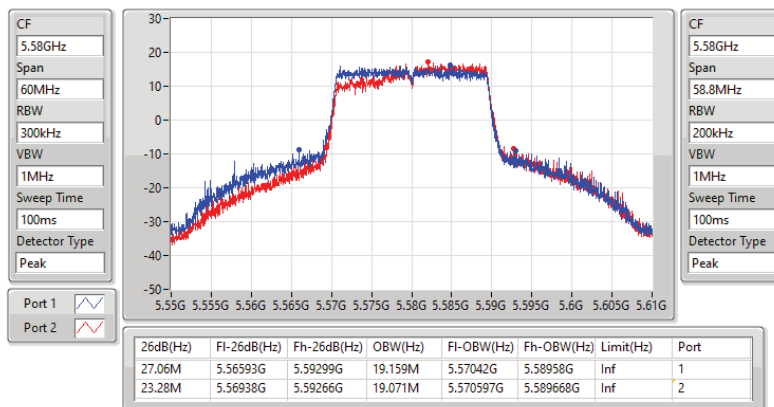
12/10/2022



5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX 5580MHz

EBW

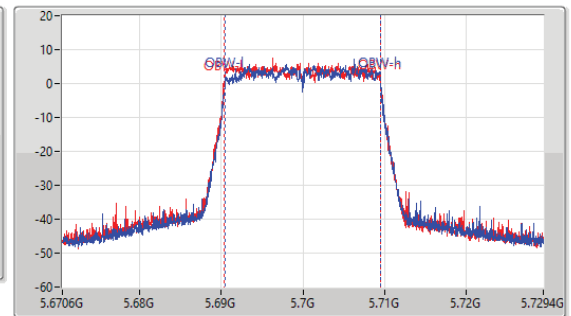
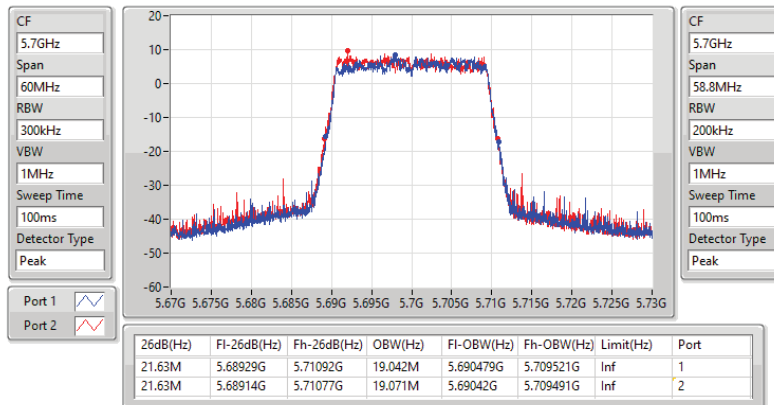
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5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX 5700MHz

EBW

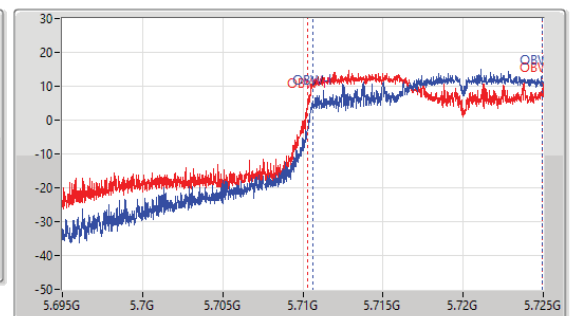
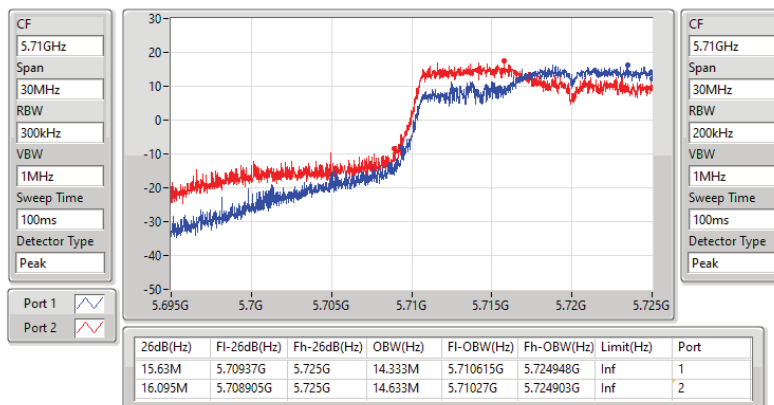
12/10/2022



5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX 5720MHz Straddle 5.47-5.725GHz

EBW

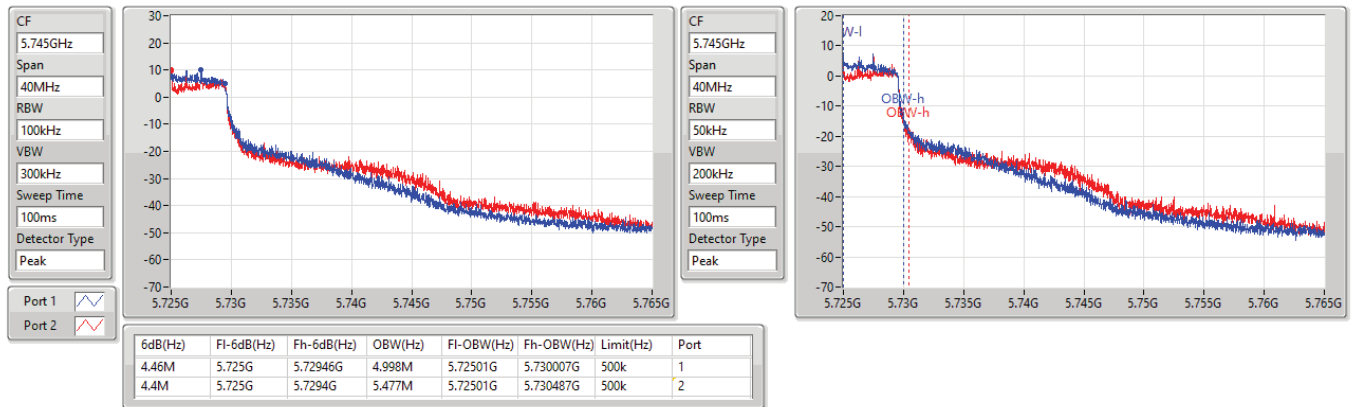
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5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
5720MHz Straddle 5.725-5.85GHz

EBW

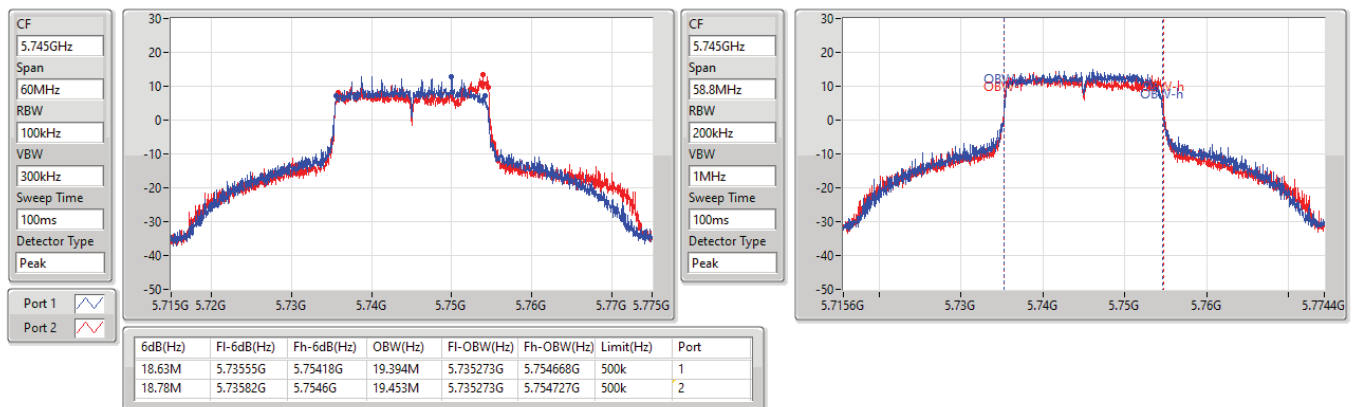
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5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
5745MHz

EBW

25/10/2022

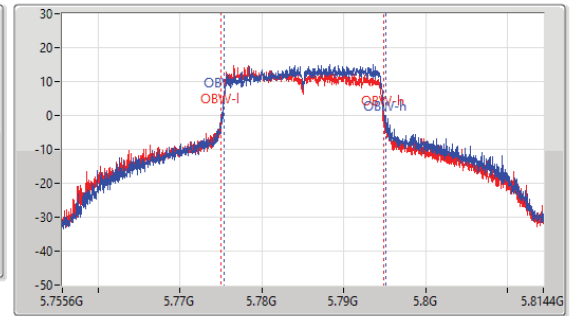
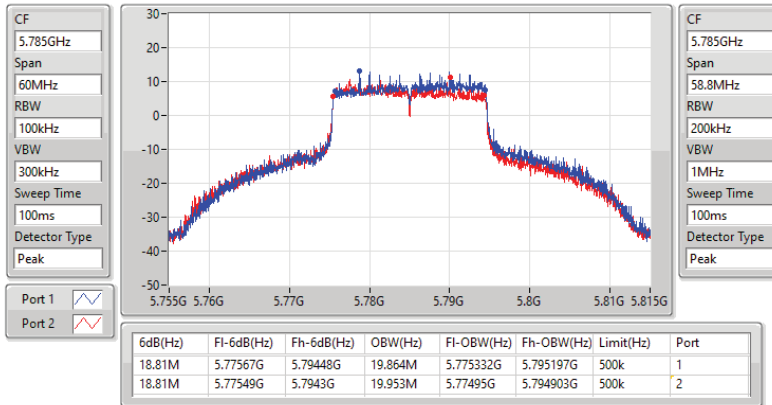


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5785MHz

25/10/2022

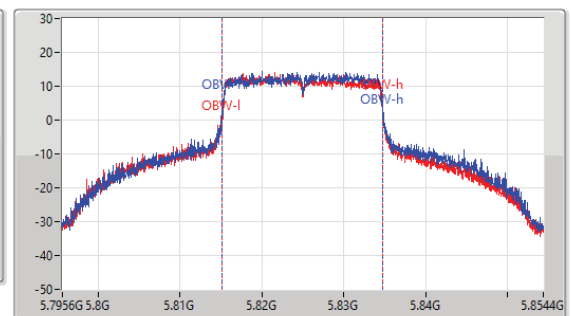
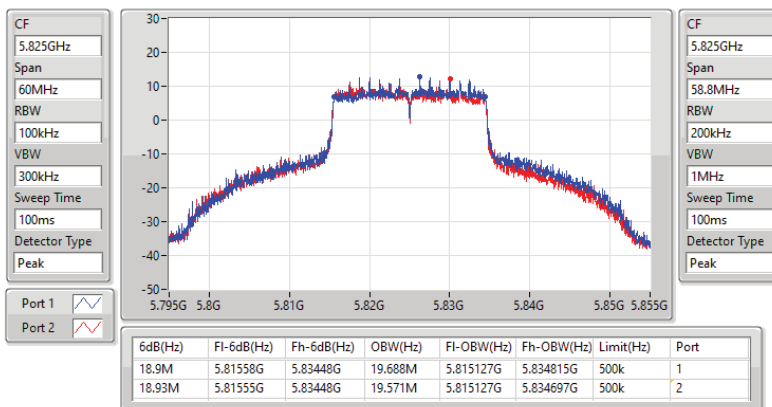


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

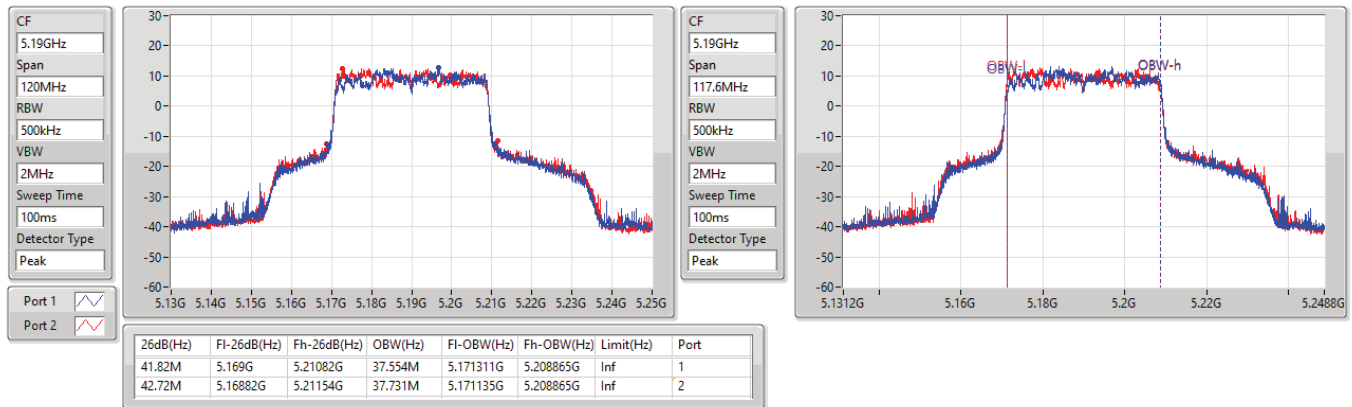
5825MHz

25/10/2022

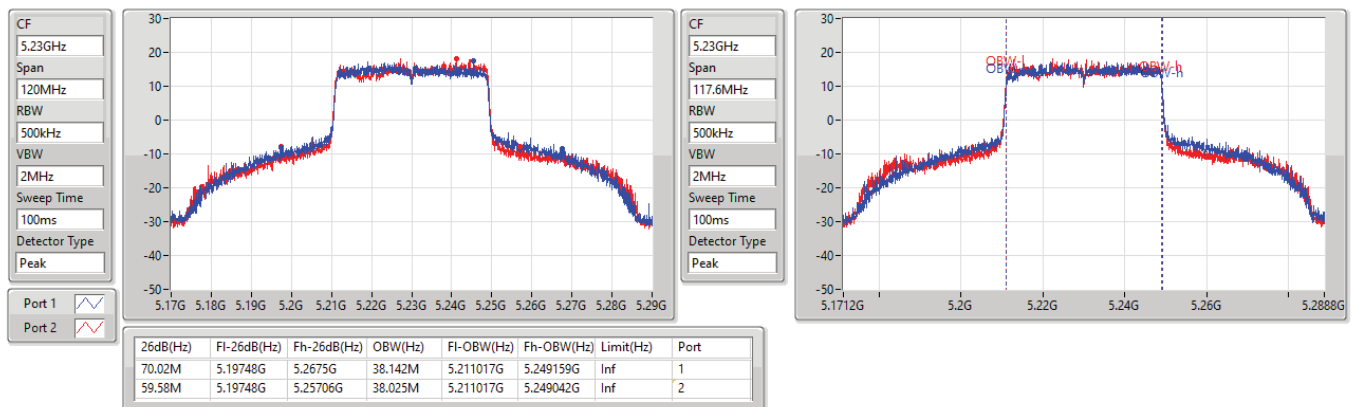


5.15-5.25GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5190MHz

12/10/2022


5.15-5.25GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5230MHz

25/10/2022

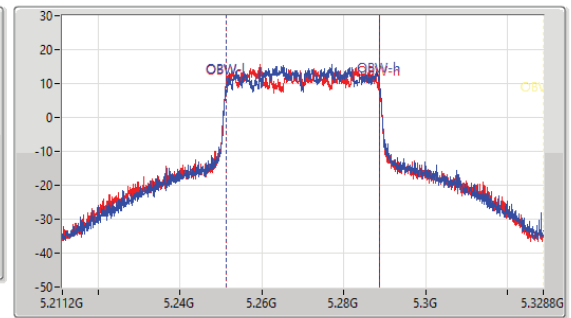
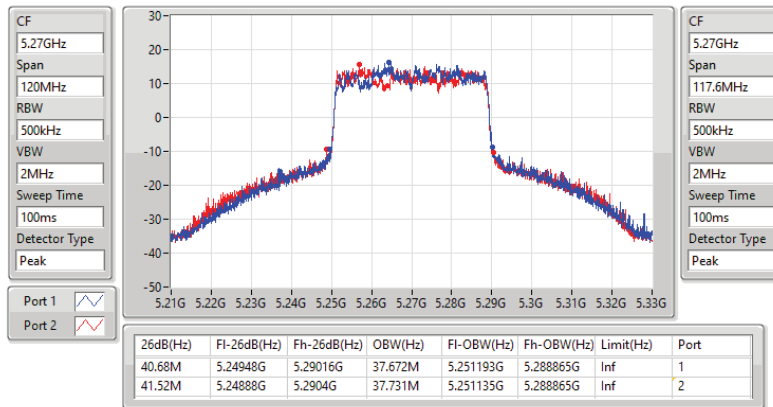


5.25-5.35GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5270MHz

12/10/2022

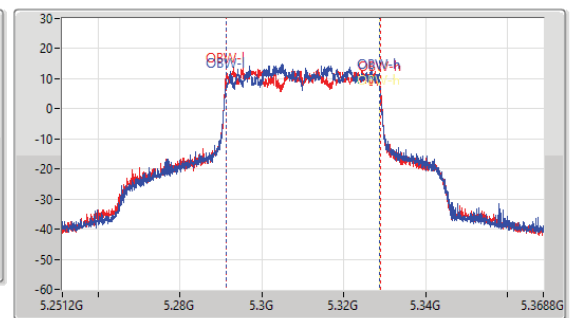
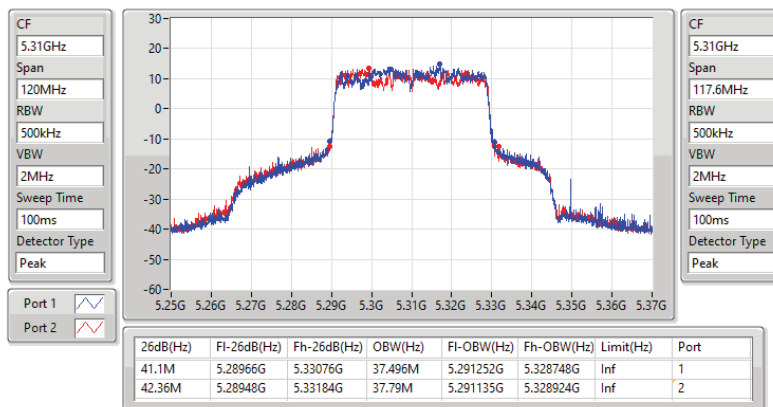


5.25-5.35GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5310MHz

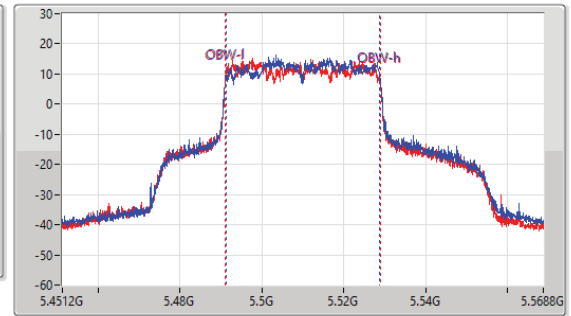
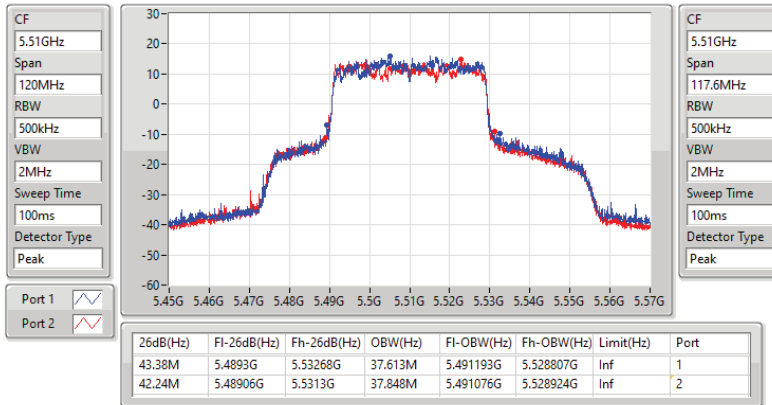
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5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX 5510MHz

EBW

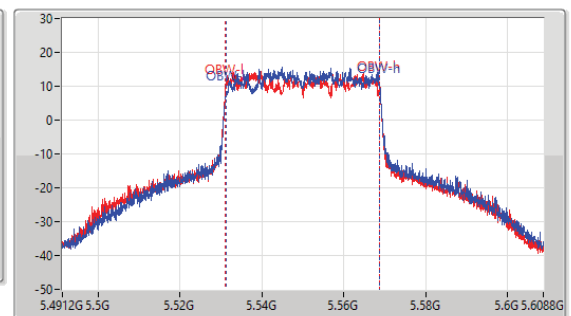
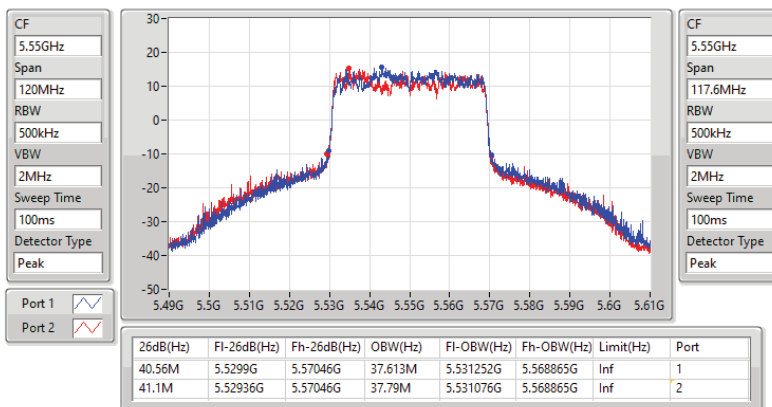
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5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX 5550MHz

EBW

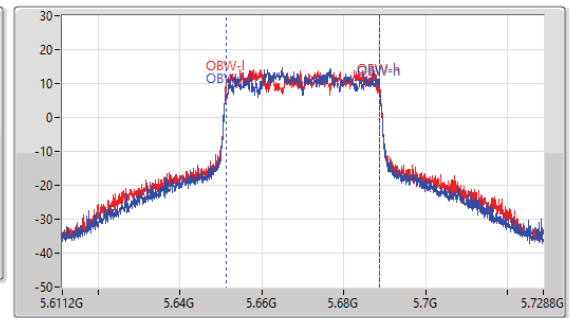
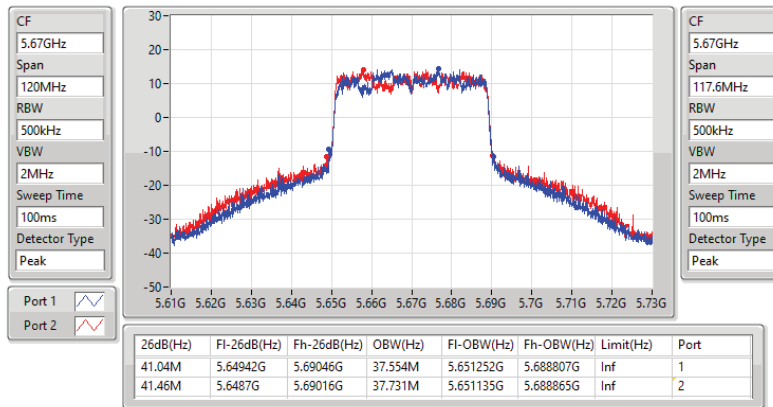
12/10/2022



5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
5670MHz

EBW

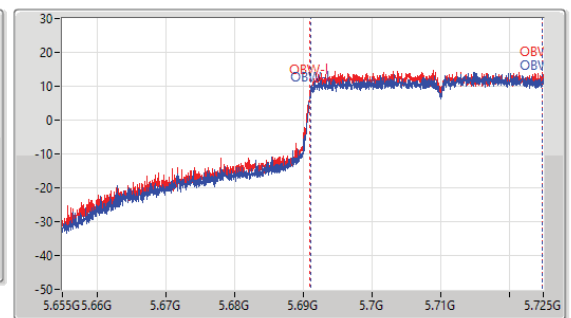
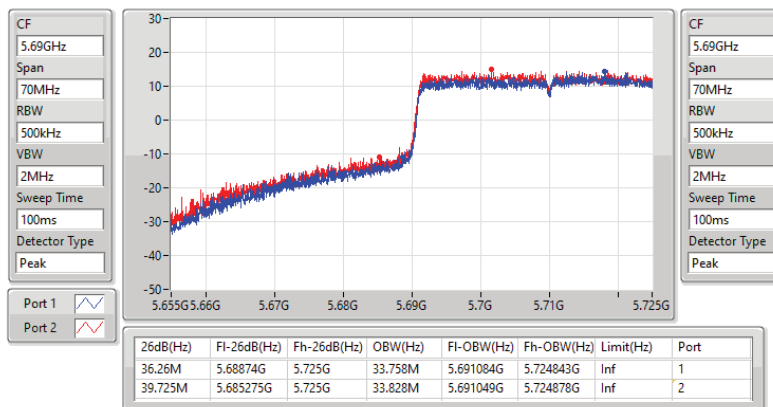
12/10/2022



5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
5710MHz Straddle 5.47-5.725GHz

EBW

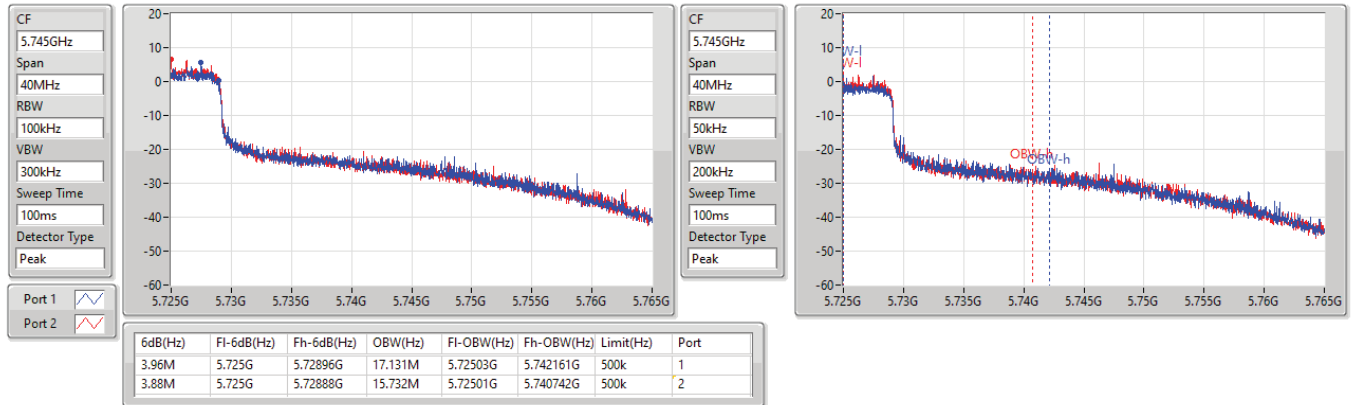
13/10/2022



5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
5710MHz Straddle 5.725-5.85GHz

EBW

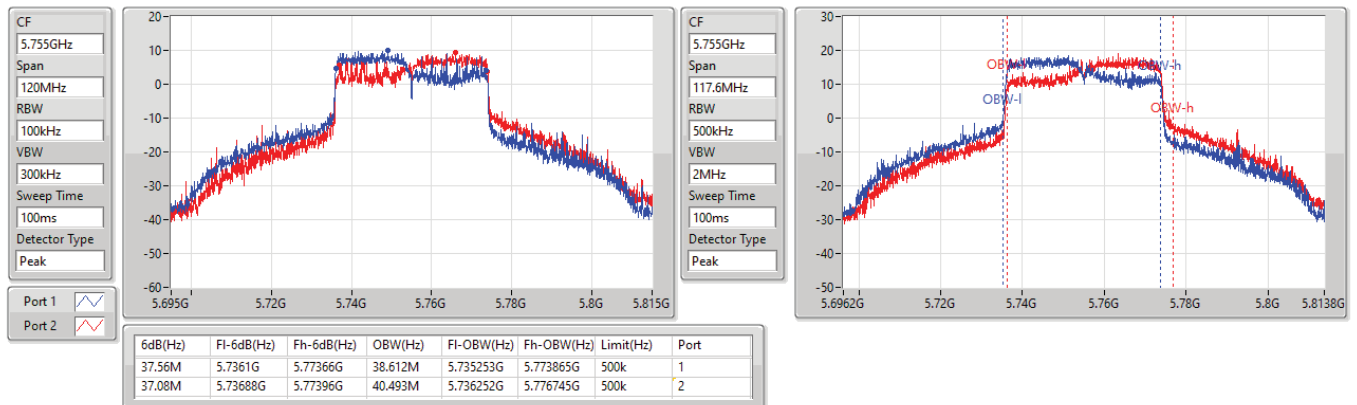
13/10/2022



5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
5755MHz

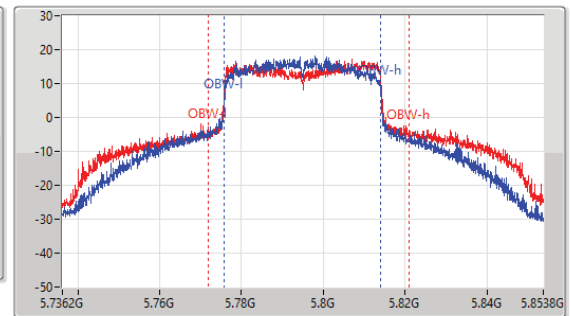
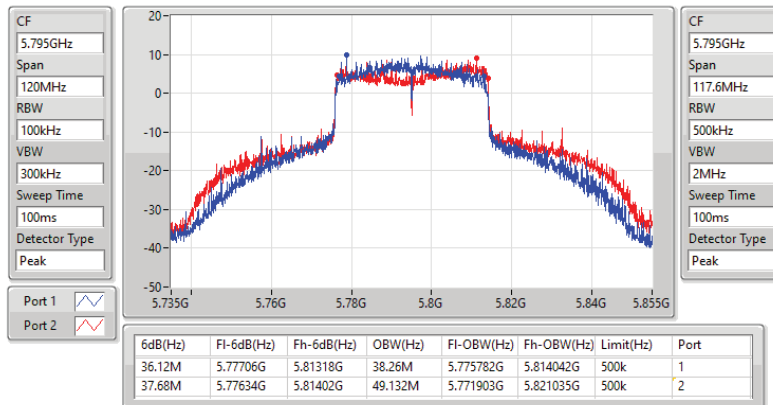
EBW

25/10/2022

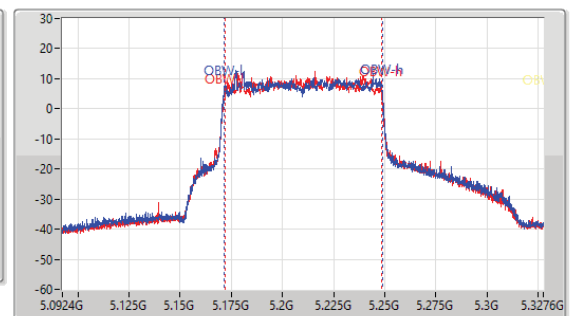
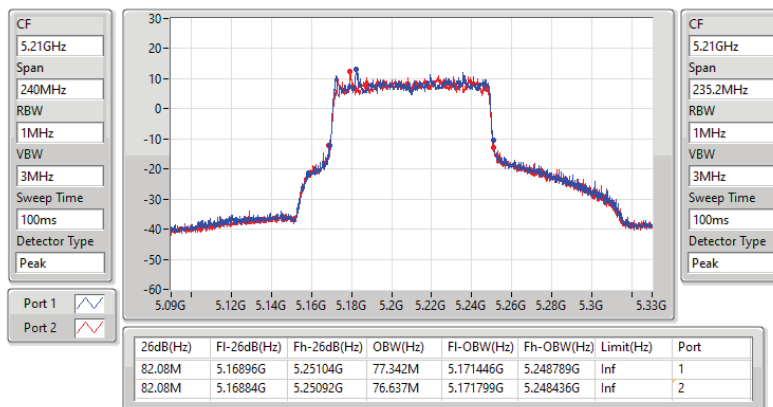


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5795MHz

25/10/2022

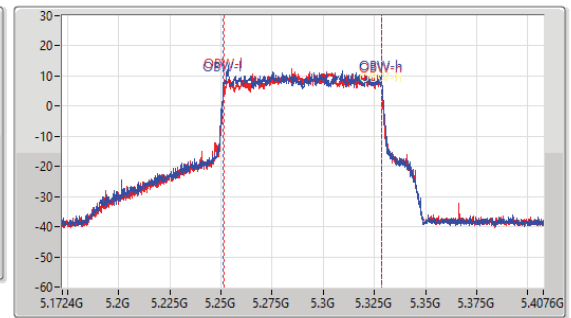
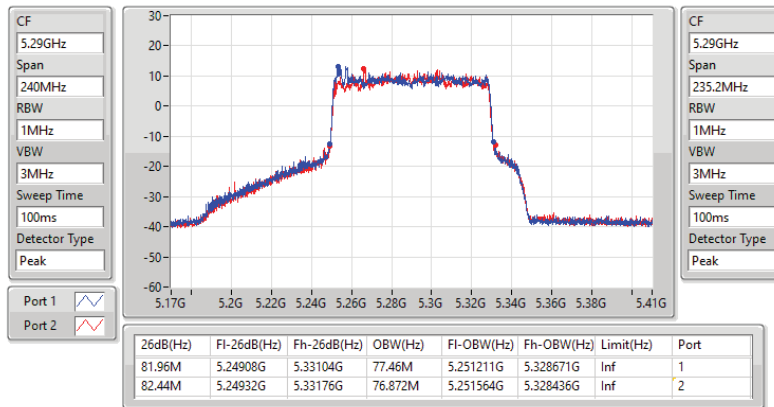

5.15-5.25GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5210MHz

13/10/2022

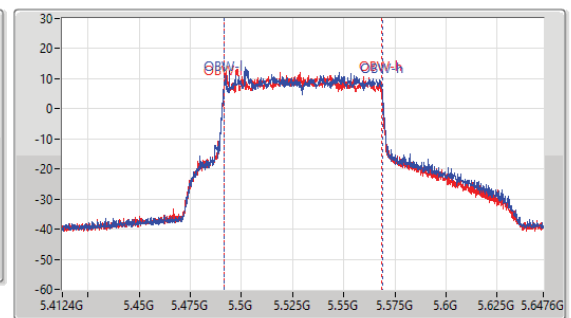
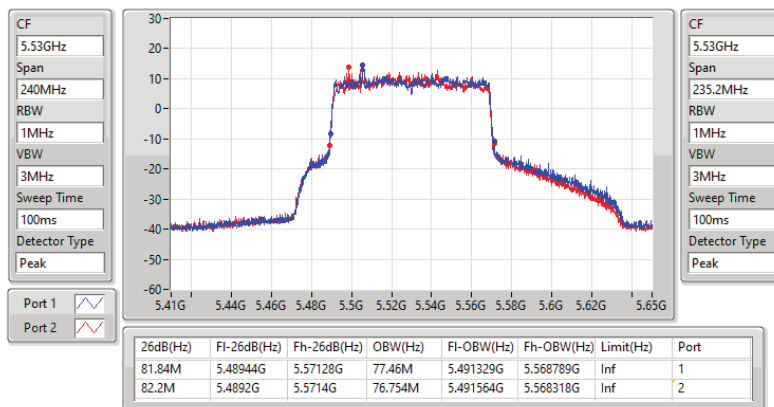


5.25-5.35GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5290MHz

13/10/2022


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5530MHz

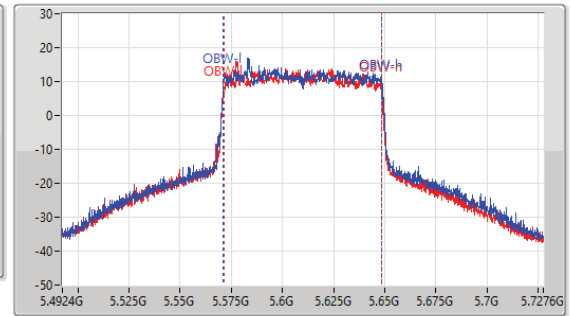
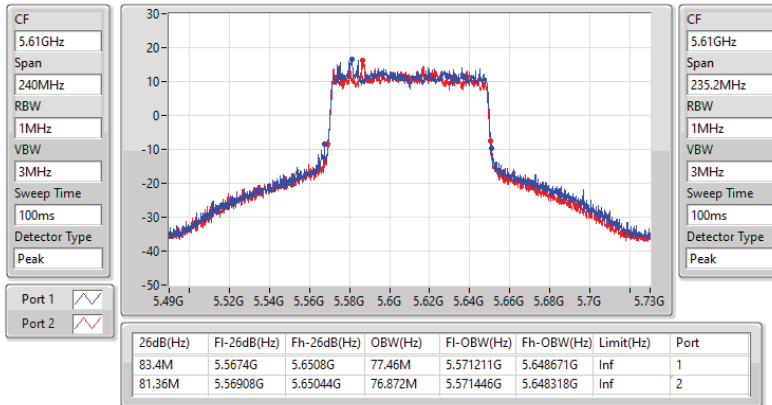
13/10/2022



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5610MHz

EBW

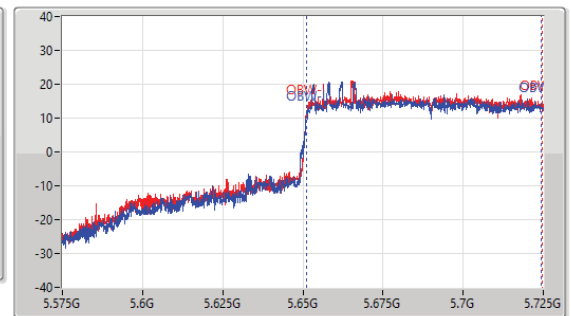
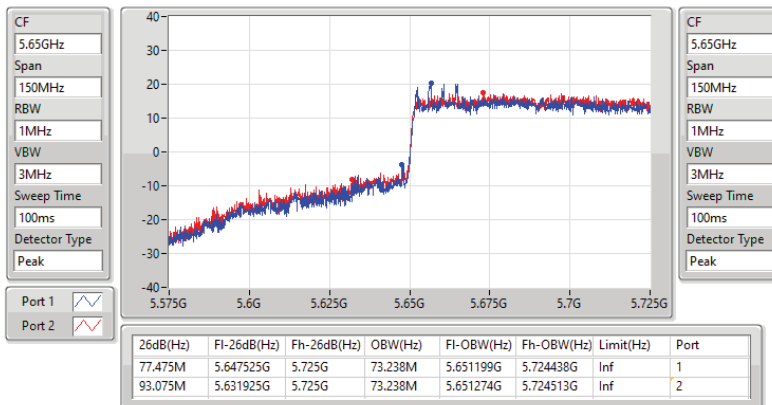
13/10/2022



5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
5690MHz Straddle 5.47-5.725GHz

EBW

13/10/2022

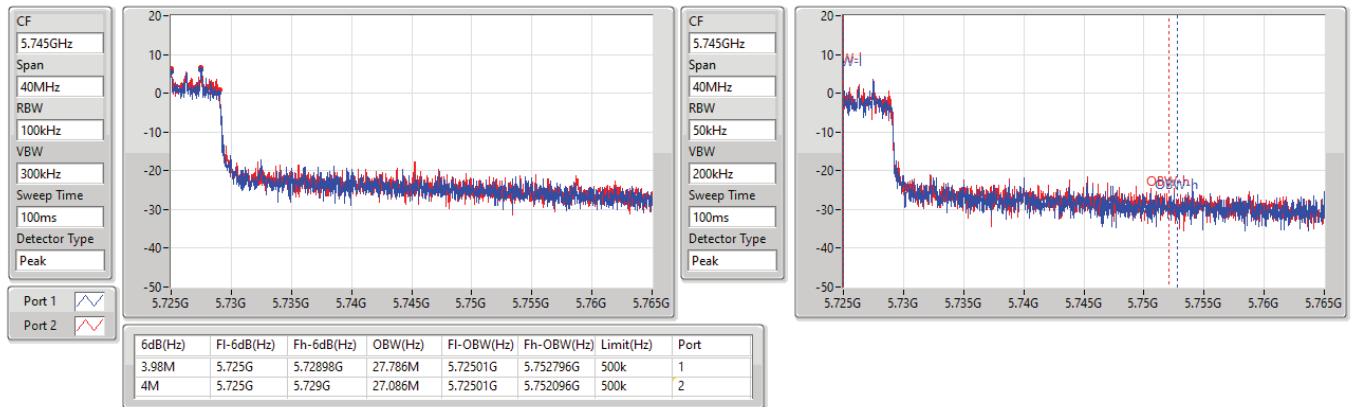


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

13/10/2022

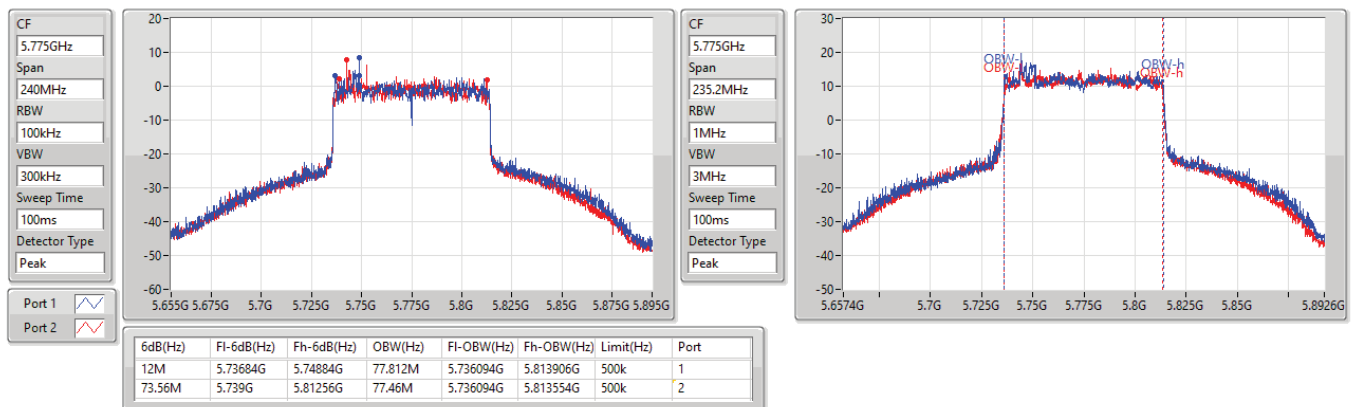


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

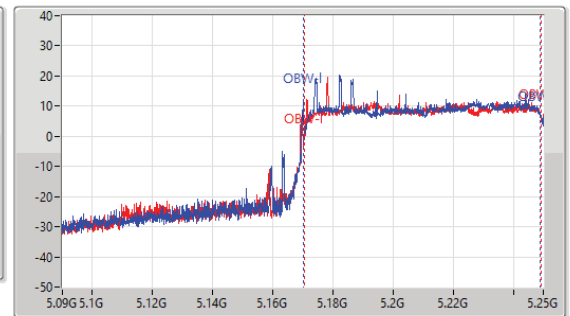
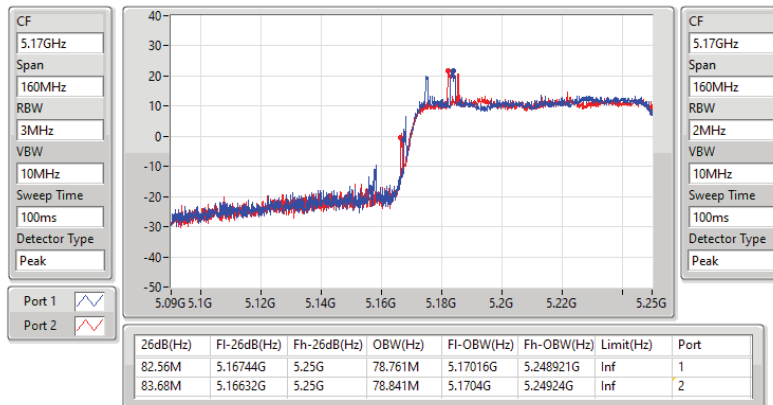
5775MHz

12/10/2022

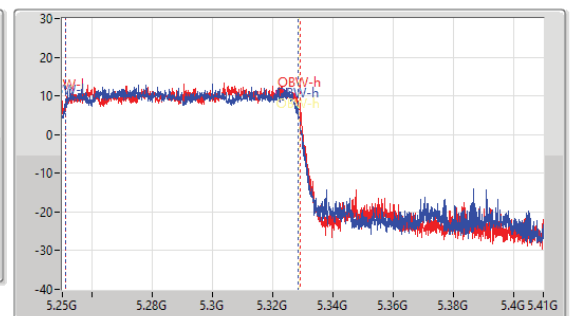


5.15-5.25GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
5250MHz Straddle 5.15-5.25GHz
EBW

12/10/2022


5.25-5.35GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
5250MHz Straddle 5.25-5.35GHz
EBW

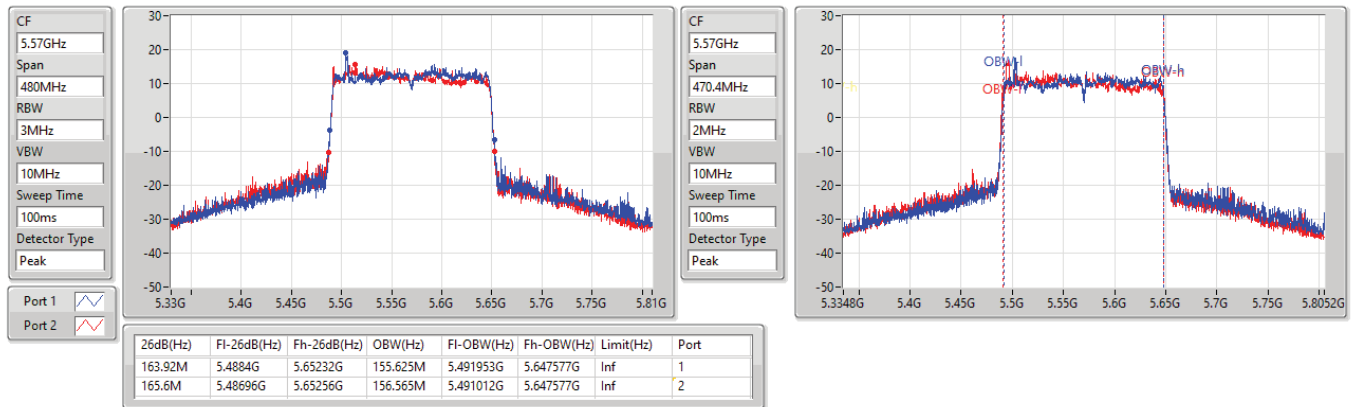
12/10/2022



5.47-5.725GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
5570MHz

EBW

12/10/2022





Average Power_Non-Beamforming

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	26.90	0.48978	29.12	0.81658
802.11ax HEW20_Nss1,(MCS0)_2TX	26.90	0.48978	29.12	0.81658
802.11ax HEW20_Nss2,(MCS0)_2TX	26.96	0.49659	29.18	0.82794
802.11ax HEW40_Nss1,(MCS0)_2TX	26.37	0.43351	28.59	0.72277
802.11ax HEW40_Nss2,(MCS0)_2TX	26.81	0.47973	29.03	0.79983
802.11ax HEW80_Nss1,(MCS0)_2TX	22.64	0.18365	24.86	0.30620
802.11ax HEW80_Nss2,(MCS0)_2TX	22.95	0.19724	25.17	0.32885
802.11ax HEW160_Nss1,(MCS0)_2TX	15.40	0.03467	17.62	0.05781
802.11ax HEW160_Nss2,(MCS0)_2TX	15.23	0.03334	17.45	0.05559
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.94	0.24774	26.15	0.41210
802.11ax HEW20_Nss1,(MCS0)_2TX	23.83	0.24155	26.04	0.40179
802.11ax HEW20_Nss2,(MCS0)_2TX	23.82	0.24099	26.03	0.40087
802.11ax HEW40_Nss1,(MCS0)_2TX	23.81	0.24044	26.02	0.39994
802.11ax HEW40_Nss2,(MCS0)_2TX	23.74	0.23659	25.95	0.39355
802.11ax HEW80_Nss1,(MCS0)_2TX	22.89	0.19454	25.10	0.32359
802.11ax HEW80_Nss2,(MCS0)_2TX	23.05	0.20184	25.26	0.33574
802.11ax HEW160_Nss1,(MCS0)_2TX	16.27	0.04236	18.48	0.07047
802.11ax HEW160_Nss2,(MCS0)_2TX	16.08	0.04055	18.29	0.06745
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.68	0.23335	26.42	0.43853
802.11ax HEW20_Nss1,(MCS0)_2TX	23.71	0.23496	26.45	0.44157
802.11ax HEW20_Nss2,(MCS0)_2TX	23.95	0.24831	26.69	0.46666
802.11ax HEW40_Nss1,(MCS0)_2TX	23.93	0.24717	26.67	0.46452
802.11ax HEW40_Nss2,(MCS0)_2TX	23.89	0.24491	26.63	0.46026
802.11ax HEW80_Nss1,(MCS0)_2TX	23.95	0.24831	26.69	0.46666
802.11ax HEW80_Nss2,(MCS0)_2TX	23.97	0.24946	26.71	0.46881
802.11ax HEW160_Nss1,(MCS0)_2TX	18.42	0.06950	21.16	0.13062
802.11ax HEW160_Nss2,(MCS0)_2TX	17.99	0.06295	20.73	0.11830
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	25.78	0.37844	29.40	0.87096
802.11ax HEW20_Nss1,(MCS0)_2TX	26.00	0.39811	29.62	0.91622
802.11ax HEW20_Nss2,(MCS0)_2TX	26.34	0.43053	29.96	0.99083
802.11ax HEW40_Nss1,(MCS0)_2TX	26.71	0.46881	30.33	1.07895
802.11ax HEW40_Nss2,(MCS0)_2TX	26.70	0.46774	30.32	1.07647
802.11ax HEW80_Nss1,(MCS0)_2TX	25.60	0.36308	29.22	0.83560
802.11ax HEW80_Nss2,(MCS0)_2TX	25.52	0.35645	29.14	0.82035



Average Power_Non-Beamforming

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.22	20.68	21.01	23.86	30.00	26.08	36.00
5200MHz	Pass	2.22	23.10	23.04	26.08	30.00	28.30	36.00
5240MHz	Pass	2.22	23.78	23.99	26.90	30.00	29.12	36.00
5260MHz	Pass	2.21	20.59	20.76	23.69	23.98	25.90	30.00
5300MHz	Pass	2.21	20.55	20.83	23.70	23.98	25.91	30.00
5320MHz	Pass	2.21	20.76	21.1	23.94	23.98	26.15	30.00
5500MHz	Pass	2.74	19.55	20.19	22.89	23.98	25.63	30.00
5580MHz	Pass	2.74	20.7	20.64	23.68	23.98	26.42	30.00
5700MHz	Pass	2.74	16.49	16.37	19.44	23.98	22.18	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.74	19.95	19.77	22.87	23.04	25.61	29.04
5720MHz Straddle 5.725-5.85GHz	Pass	3.62	13.61	13.56	16.60	30.00	20.22	36.00
5745MHz	Pass	3.62	22.64	22.90	25.78	30.00	29.40	36.00
5785MHz	Pass	3.62	22.03	21.60	24.83	30.00	28.45	36.00
5825MHz	Pass	3.62	22.23	22.35	25.30	30.00	28.92	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.22	20.42	20.89	23.67	30.00	25.89	36.00
5200MHz	Pass	2.22	23.03	23.09	26.07	30.00	28.29	36.00
5240MHz	Pass	2.22	23.87	23.91	26.90	30.00	29.12	36.00
5260MHz	Pass	2.21	20.62	20.98	23.81	23.98	26.02	30.00
5300MHz	Pass	2.21	20.42	21.05	23.76	23.98	25.97	30.00
5320MHz	Pass	2.21	20.62	21.01	23.83	23.98	26.04	30.00
5500MHz	Pass	2.74	20.41	20.86	23.65	23.98	26.39	30.00
5580MHz	Pass	2.74	20.4	20.98	23.71	23.98	26.45	30.00
5700MHz	Pass	2.74	16.20	16.28	19.25	23.98	21.99	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.74	20.11	20.02	23.08	23.11	25.82	29.11
5720MHz Straddle 5.725-5.85GHz	Pass	3.62	14.90	14.86	17.89	30.00	21.51	36.00
5745MHz	Pass	3.62	22.67	22.91	25.80	30.00	29.42	36.00
5785MHz	Pass	3.62	22.87	22.54	25.72	30.00	29.34	36.00
5825MHz	Pass	3.62	22.80	23.18	26.00	30.00	29.62	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.22	20.09	20.68	23.41	30.00	25.63	36.00
5200MHz	Pass	2.22	23.16	23.09	26.14	30.00	28.36	36.00
5240MHz	Pass	2.22	23.83	24.07	26.96	30.00	29.18	36.00
5260MHz	Pass	2.21	20.6	20.79	23.71	23.98	25.92	30.00
5300MHz	Pass	2.21	20.48	21.11	23.82	23.98	26.03	30.00
5320MHz	Pass	2.21	20.6	21	23.81	23.98	26.02	30.00
5500MHz	Pass	2.74	20.69	21.17	23.95	23.98	26.69	30.00
5580MHz	Pass	2.74	20.35	20.9	23.64	23.98	26.38	30.00
5700MHz	Pass	2.74	17.39	17.19	20.30	23.98	23.04	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.74	19.75	19.82	22.80	23.10	25.54	29.10
5720MHz Straddle 5.725-5.85GHz	Pass	3.62	14.55	14.54	17.56	30.00	21.18	36.00
5745MHz	Pass	3.62	23.00	23.05	26.04	30.00	29.66	36.00
5785MHz	Pass	3.62	23.34	23.03	26.20	30.00	29.82	36.00
5825MHz	Pass	3.62	23.20	23.45	26.34	30.00	29.96	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.22	20	20.3	23.16	30.00	25.38	36.00
5230MHz	Pass	2.22	23.53	23.19	26.37	30.00	28.59	36.00
5270MHz	Pass	2.21	20.62	20.98	23.81	23.98	26.02	30.00
5310MHz	Pass	2.21	19.26	19.78	22.54	23.98	24.75	30.00
5510MHz	Pass	2.74	20.58	21.23	23.93	23.98	26.67	30.00
5550MHz	Pass	2.74	20.42	21.22	23.85	23.98	26.59	30.00
5670MHz	Pass	2.74	20.97	20.67	23.83	23.98	26.57	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.74	20.63	20.69	23.67	23.98	26.41	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.62	10.78	10.77	13.79	30.00	17.41	36.00



Average Power_Non-Beamforming

Appendix C.1

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5755MHz	Pass	3.62	23.41	23.86	26.65	30.00	30.27	36.00
5795MHz	Pass	3.62	23.58	23.81	26.71	30.00	30.33	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.22	20.55	20.44	23.51	30.00	25.73	36.00
5230MHz	Pass	2.22	23.95	23.65	26.81	30.00	29.03	36.00
5270MHz	Pass	2.21	20.55	20.91	23.74	23.98	25.95	30.00
5310MHz	Pass	2.21	19.81	20.17	23.00	23.98	25.21	30.00
5510MHz	Pass	2.74	20.51	21.18	23.87	23.98	26.61	30.00
5550MHz	Pass	2.74	20.48	21.25	23.89	23.98	26.63	30.00
5670MHz	Pass	2.74	20.98	20.6	23.80	23.98	26.54	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.74	20.68	20.72	23.71	23.98	26.45	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.62	10.75	10.77	13.77	30.00	17.39	36.00
5755MHz	Pass	3.62	23.30	23.85	26.59	30.00	30.21	36.00
5795MHz	Pass	3.62	23.66	23.72	26.70	30.00	30.32	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.22	19.38	19.86	22.64	30.00	24.86	36.00
5290MHz	Pass	2.21	19.49	20.24	22.89	23.98	25.10	30.00
5530MHz	Pass	2.74	19.49	20.45	23.01	23.98	25.75	30.00
5610MHz	Pass	2.74	20.84	21.03	23.95	23.98	26.69	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	2.74	20.6	21	23.81	23.98	26.55	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.62	6.66	7.17	9.93	30.00	13.55	36.00
5775MHz	Pass	3.62	22.80	22.36	25.60	30.00	29.22	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.22	19.77	20.11	22.95	30.00	25.17	36.00
5290MHz	Pass	2.21	19.76	20.31	23.05	23.98	25.26	30.00
5530MHz	Pass	2.74	18.31	19.41	21.91	23.98	24.65	30.00
5610MHz	Pass	2.74	20.86	21.05	23.97	23.98	26.71	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	2.74	20.47	20.93	23.72	23.98	26.46	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.62	6.69	7.18	9.95	30.00	13.57	36.00
5775MHz	Pass	3.62	22.71	22.30	25.52	30.00	29.14	36.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.22	11.91	12.82	15.40	30.00	17.62	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	2.21	12.93	13.56	16.27	23.98	18.48	30.00
5570MHz	Pass	2.74	15.26	15.55	18.42	23.98	21.16	30.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.22	11.8	12.6	15.23	30.00	17.45	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	2.21	12.8	13.33	16.08	23.98	18.29	30.00
5570MHz	Pass	2.74	14.83	15.13	17.99	23.98	20.73	30.00

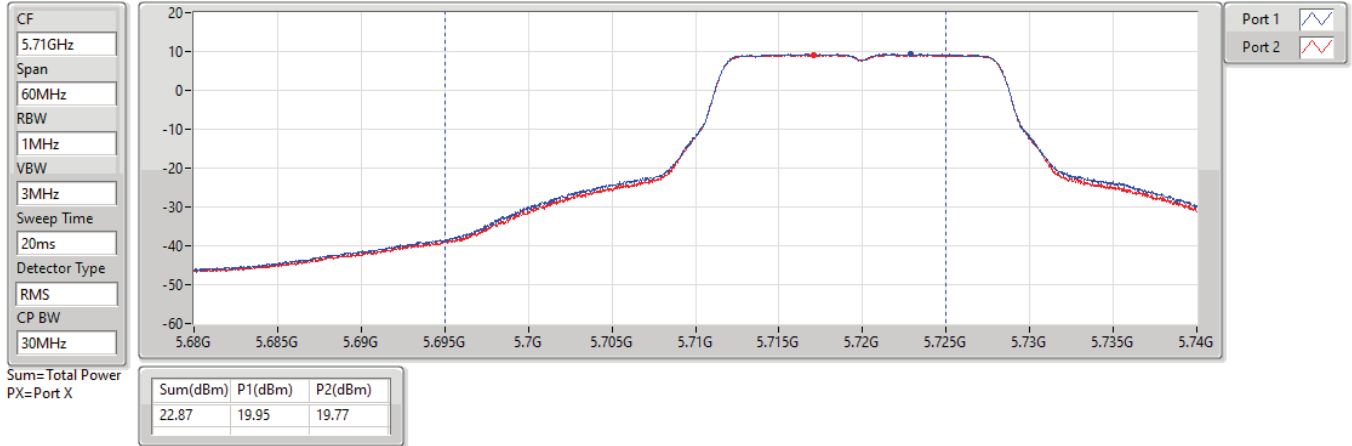
DG = Directional Gain; Port X = Port X output power

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

24/10/2022

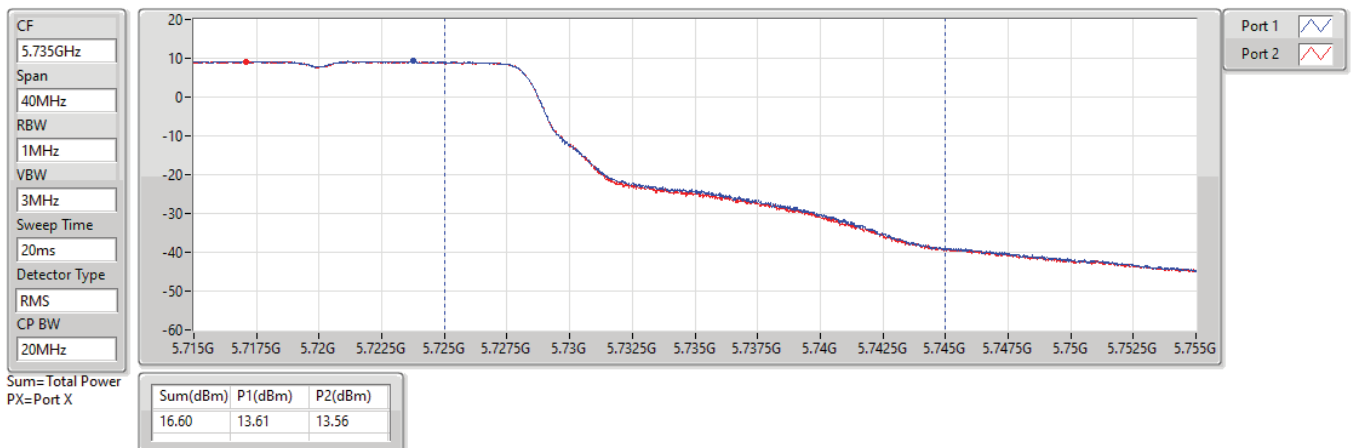


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

24/10/2022

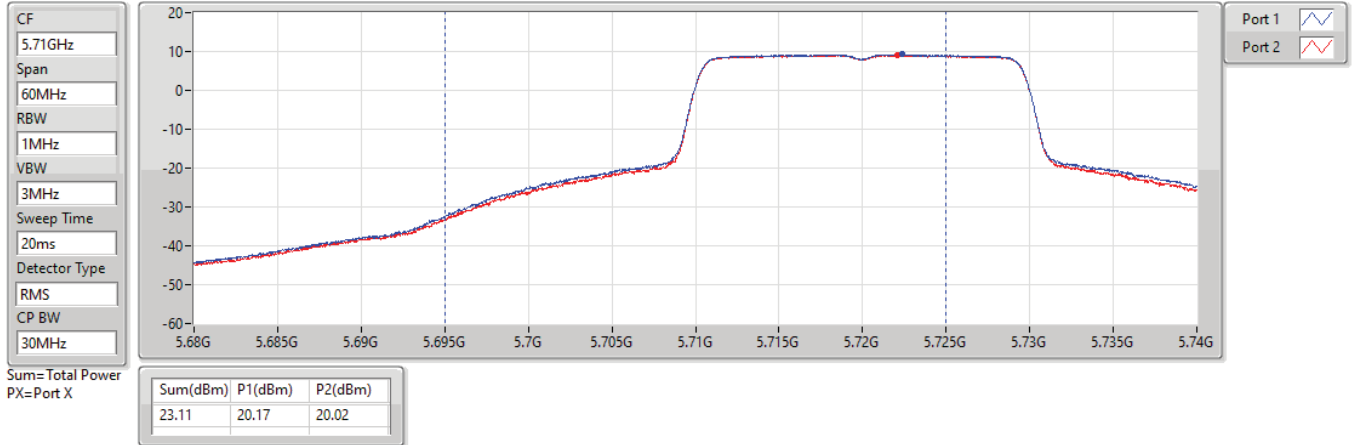


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

24/10/2022

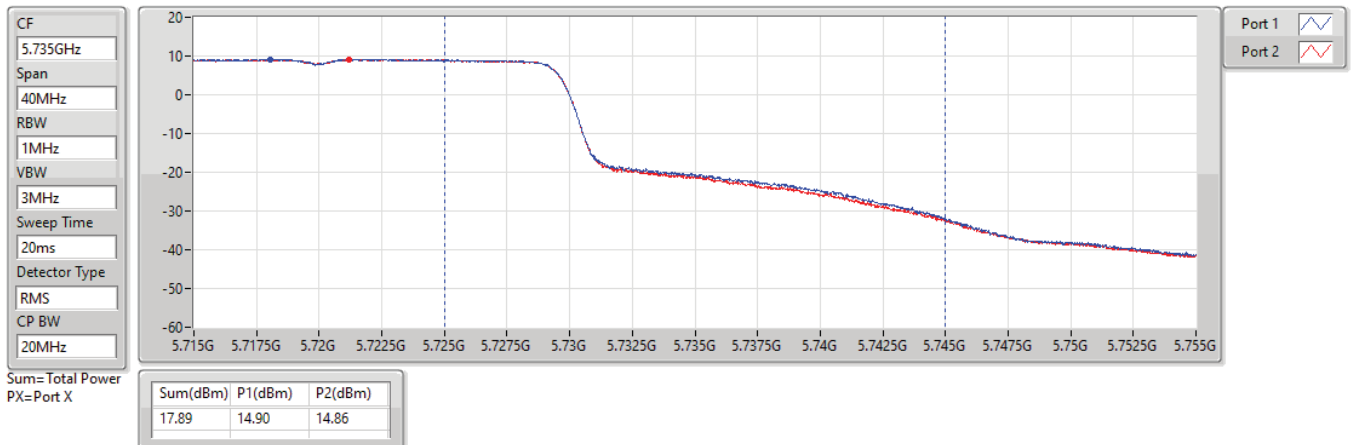


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

24/10/2022

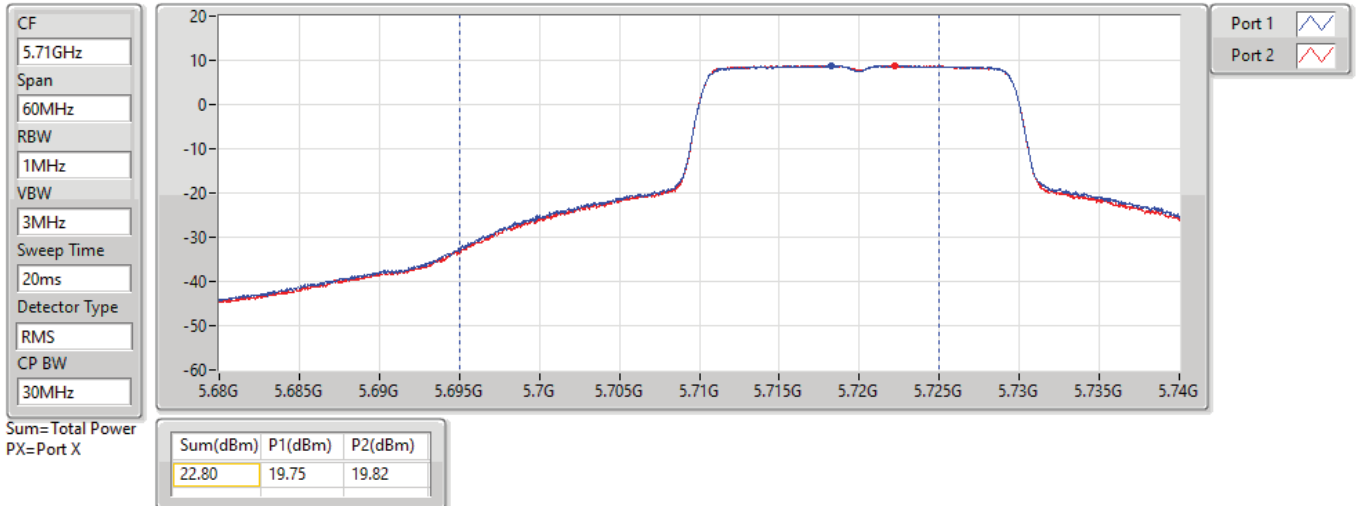


5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

27/09/2022

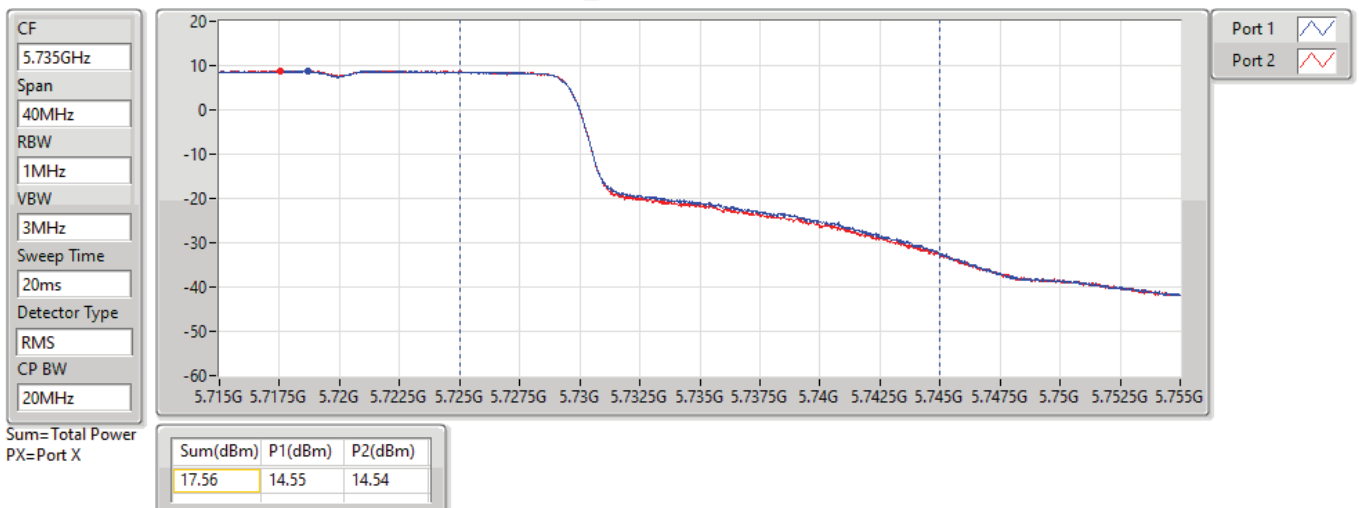


5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

27/09/2022

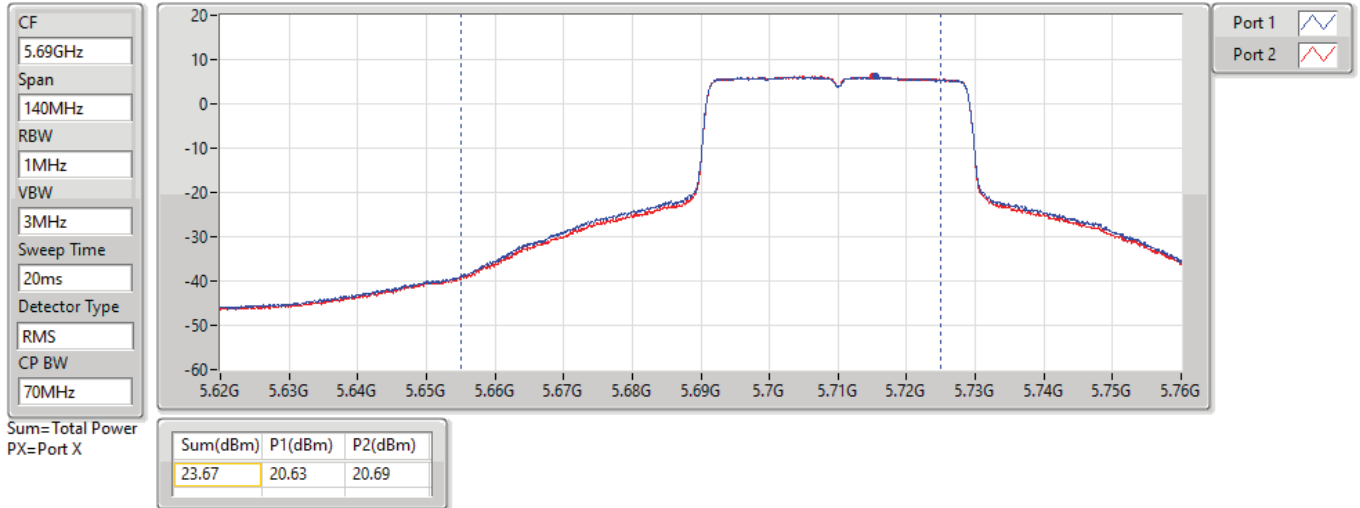


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

27/09/2022

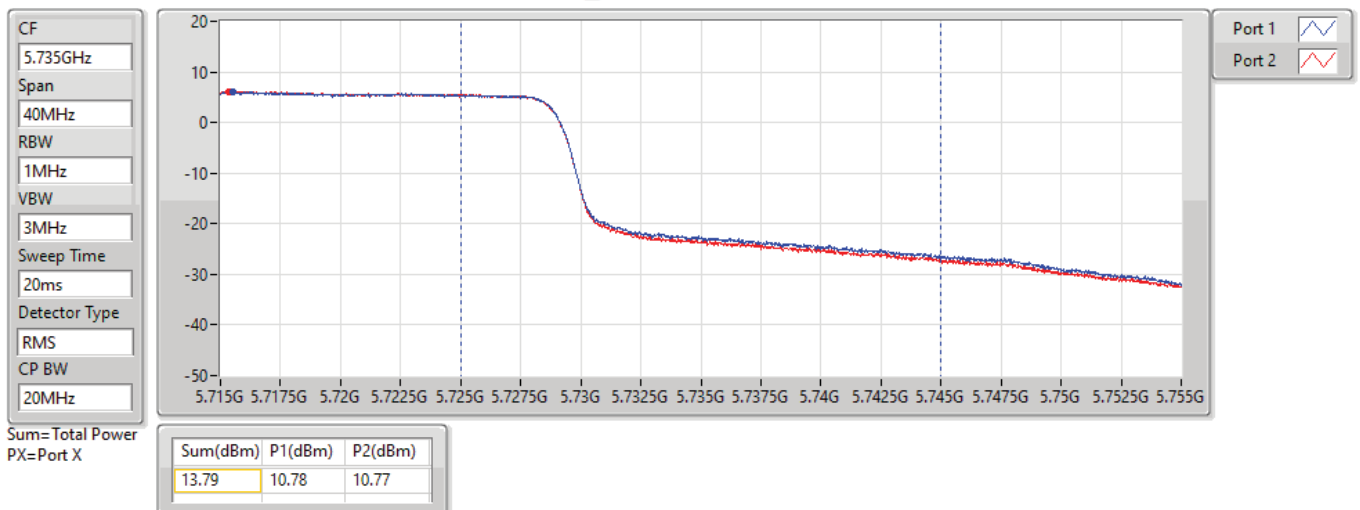


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

27/09/2022

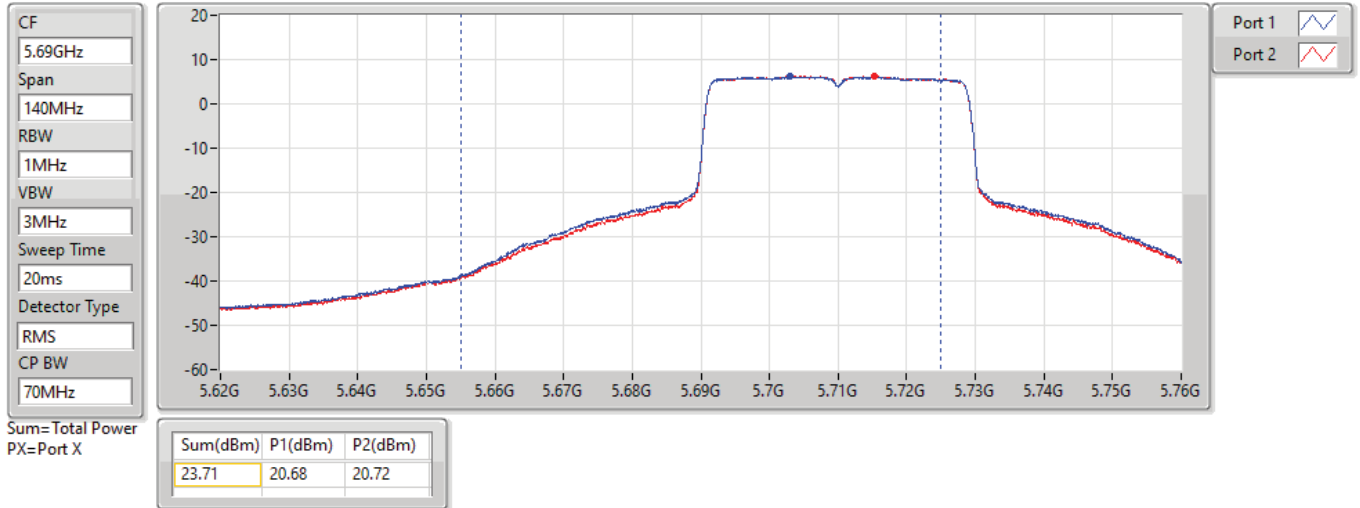


5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

27/09/2022

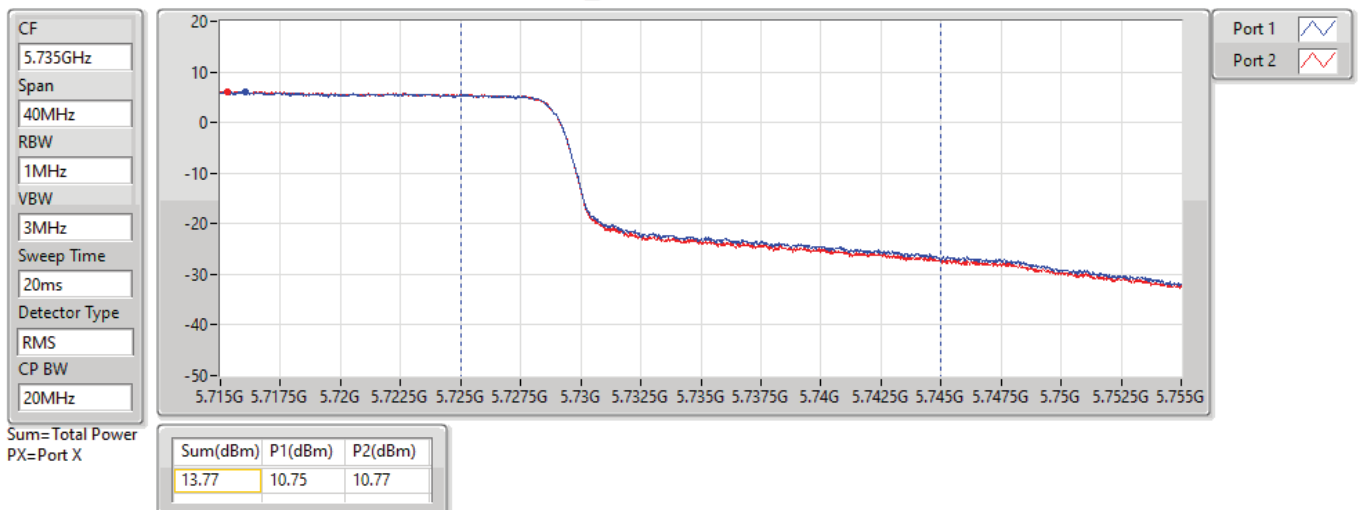


5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

27/09/2022

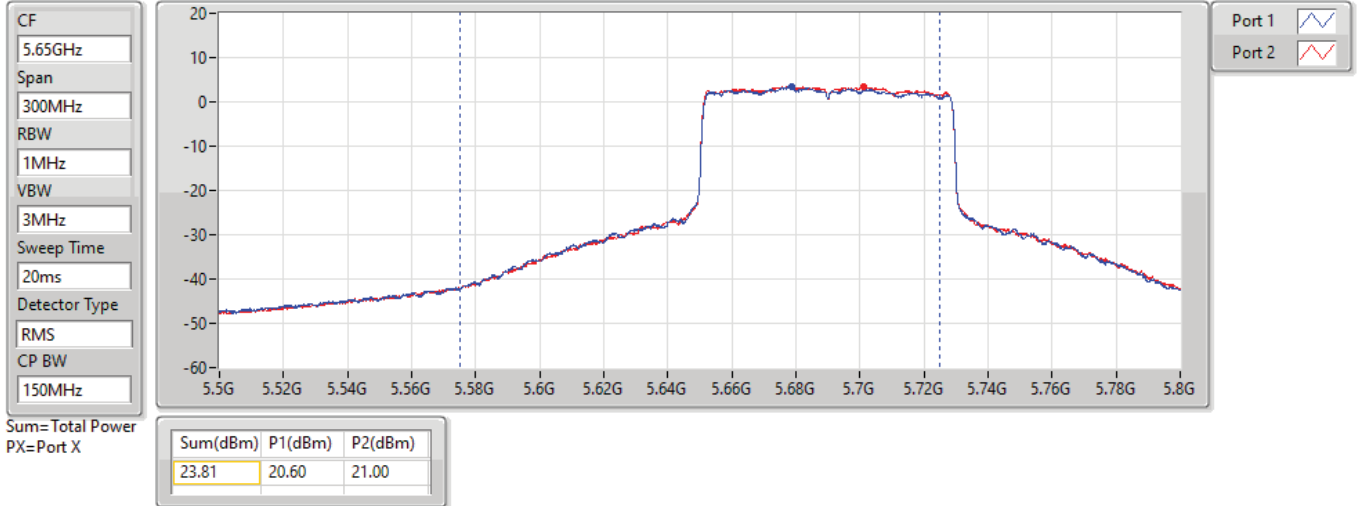


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

27/09/2022

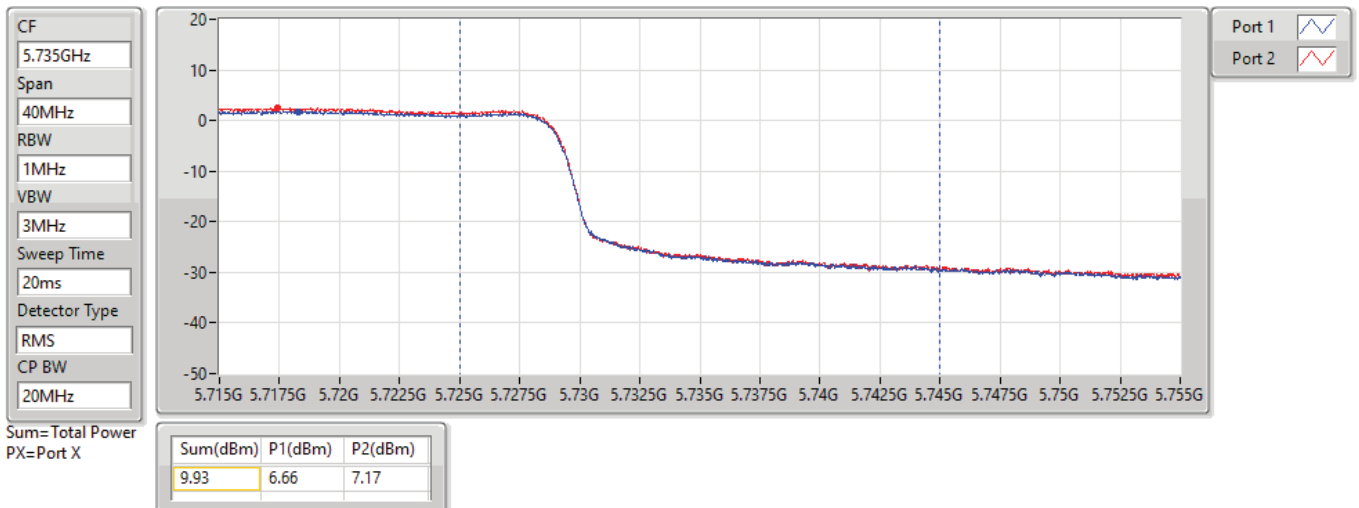


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

27/09/2022

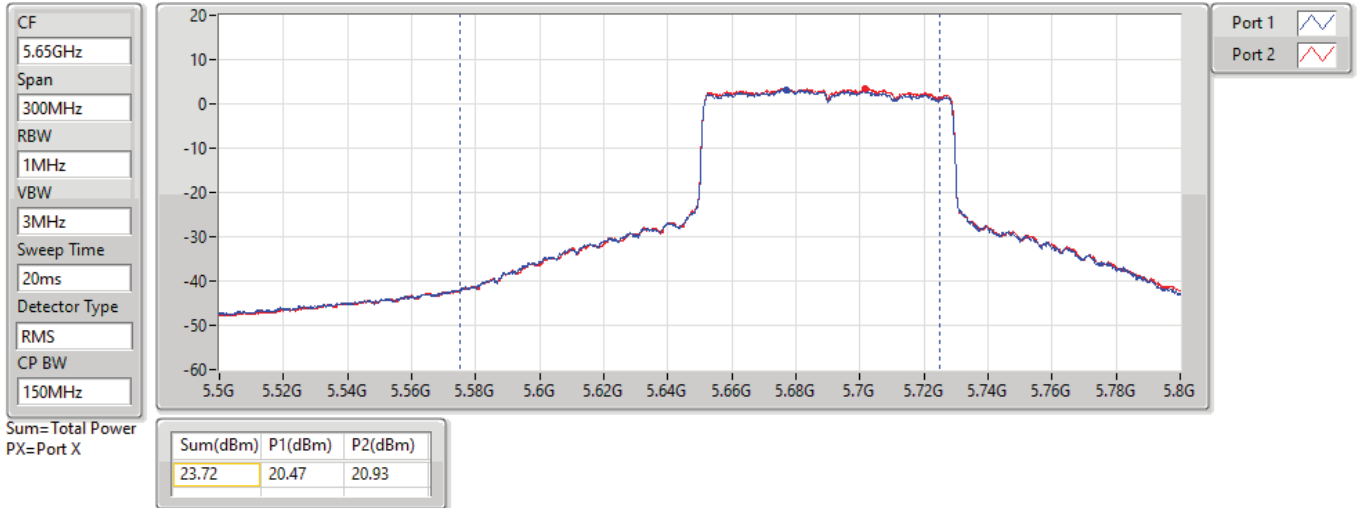


5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

27/09/2022

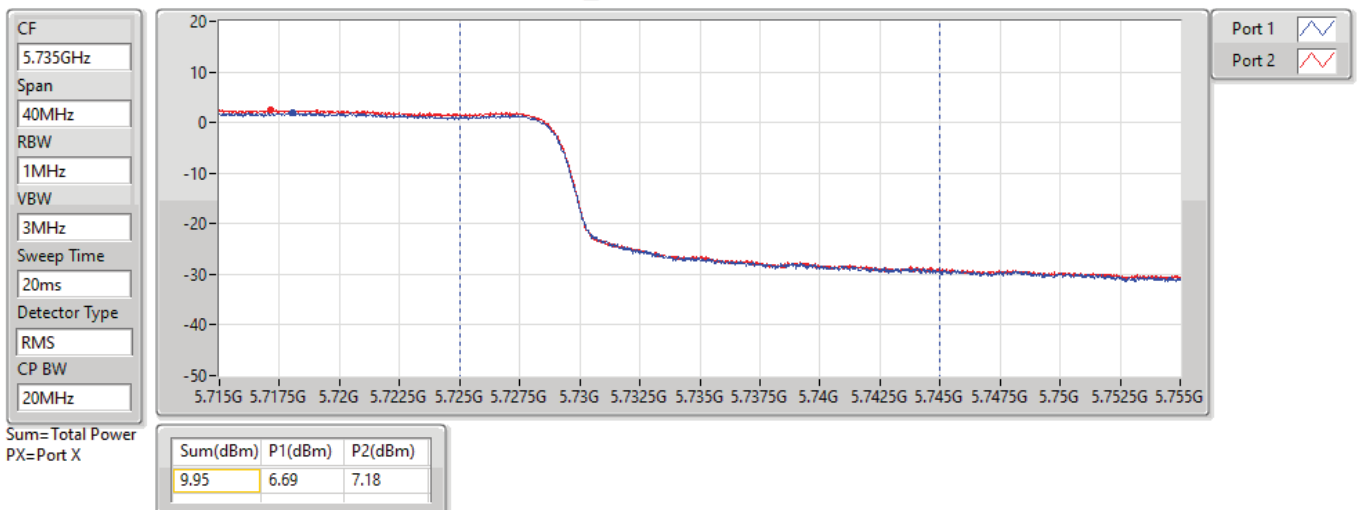


5.725-5.85GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

27/09/2022

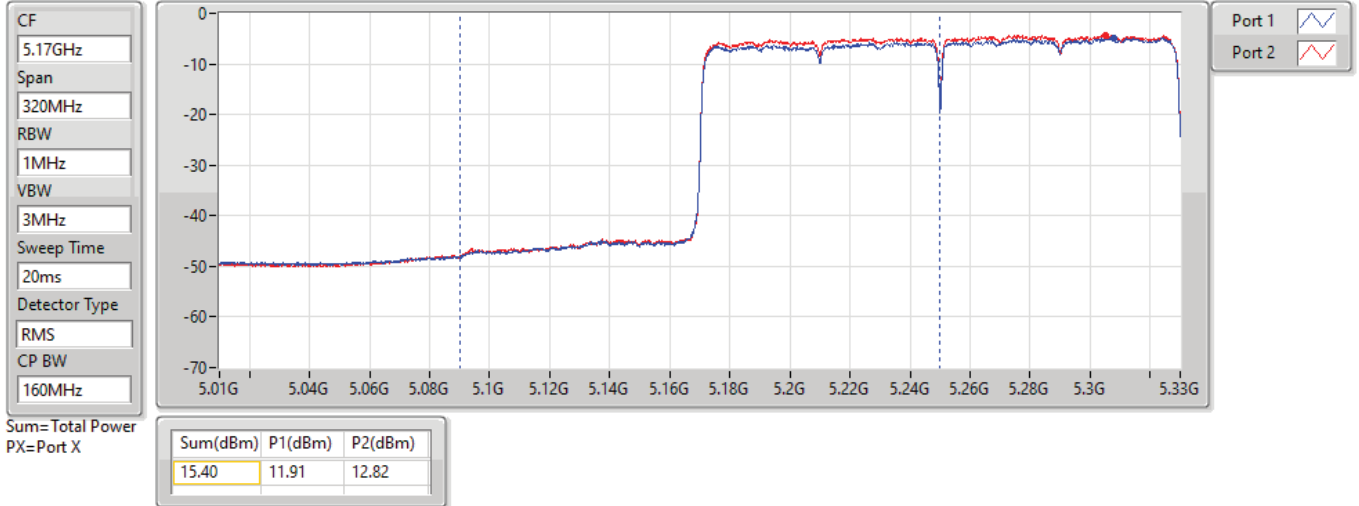


5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

27/09/2022

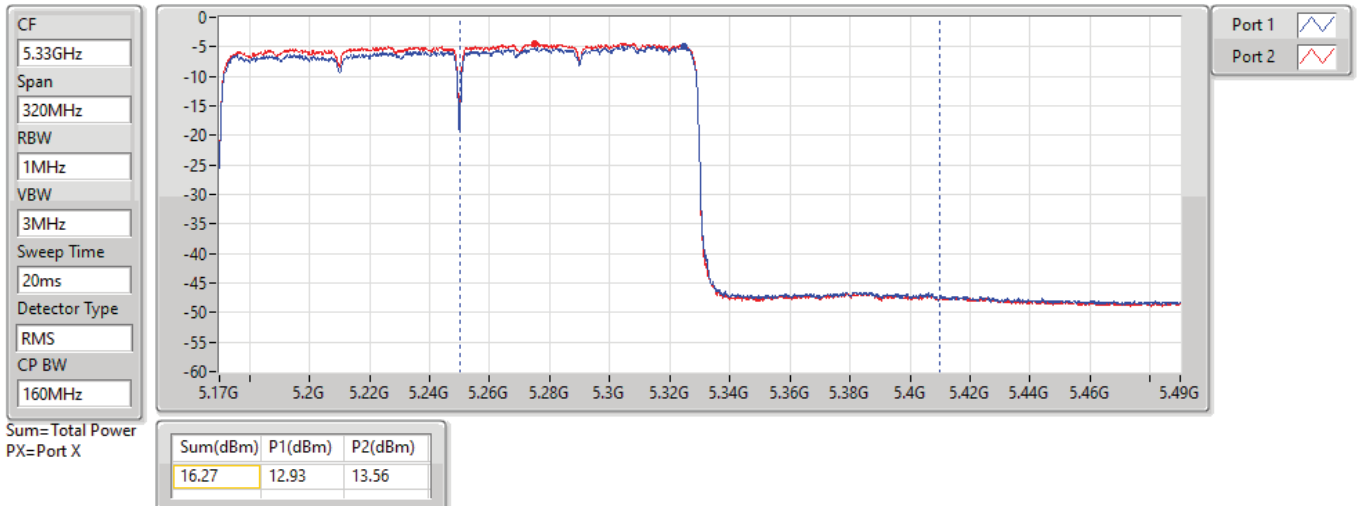


5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

27/09/2022

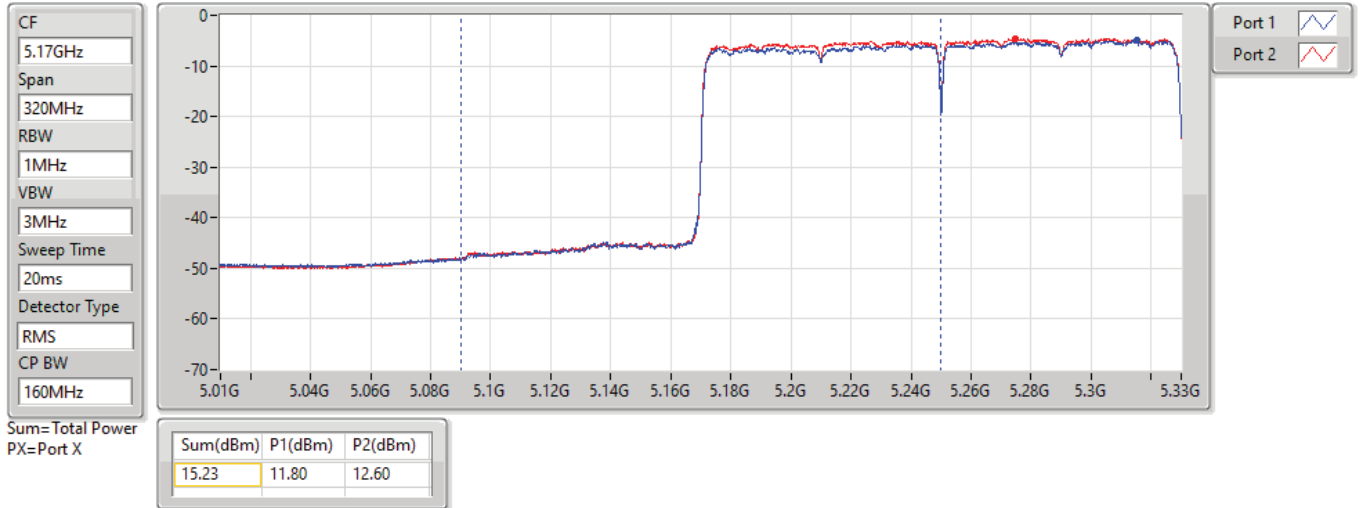


5.15-5.25GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

27/09/2022

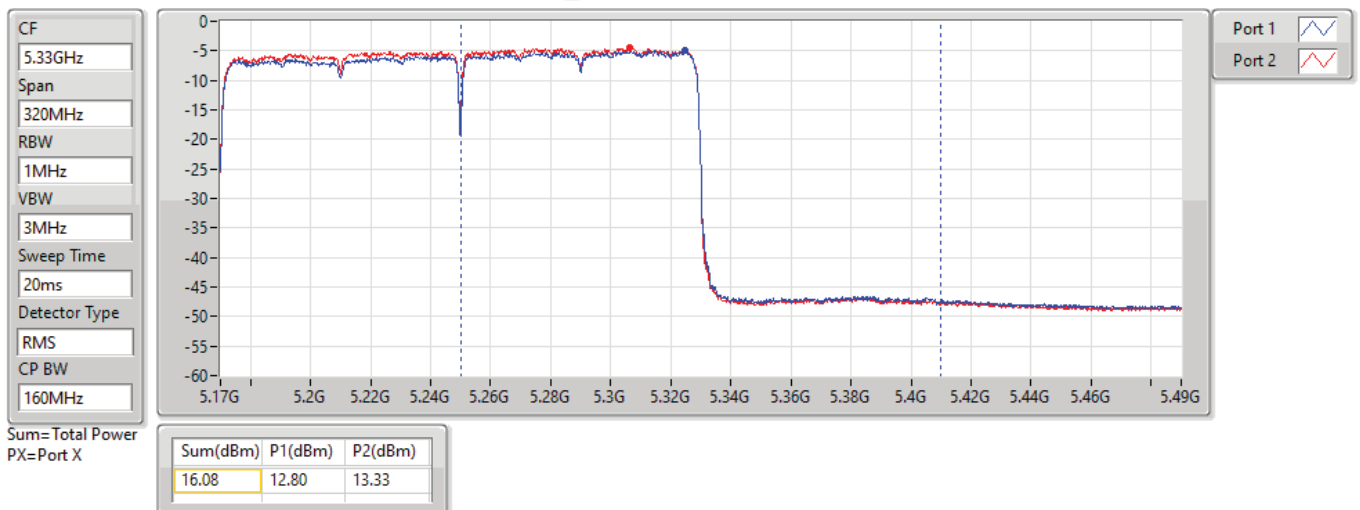


5.25-5.35GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

27/09/2022



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	26.40	0.43652	29.05	0.80353
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	25.78	0.37844	28.43	0.69663
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	19.37	0.08650	22.02	0.15922
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	15.44	0.03499	18.09	0.06442
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.81	0.24044	26.59	0.45604
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	23.81	0.24044	26.59	0.45604
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	20.46	0.11117	23.24	0.21086
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	17.08	0.05105	19.86	0.09683
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.81	0.24044	26.89	0.48865
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	23.76	0.23768	26.84	0.48306
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	23.83	0.24155	26.91	0.49091
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	18.76	0.07516	21.84	0.15276
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	25.88	0.38726	30.12	1.02802
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	26.32	0.42855	30.56	1.13763
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	22.89	0.19454	27.13	0.51642



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.65	18.38	18.50	21.45	30.00	24.10	36.00
5200MHz	Pass	2.65	22.52	22.35	25.45	30.00	28.10	36.00
5240MHz	Pass	2.65	23.65	23.12	26.40	30.00	29.05	36.00
5260MHz	Pass	2.78	21.32	20.21	23.81	23.98	26.59	30.00
5300MHz	Pass	2.78	21.15	20.16	23.69	23.98	26.47	30.00
5320MHz	Pass	2.78	20.83	20.6	23.73	23.98	26.51	30.00
5500MHz	Pass	3.08	21.03	19.59	23.38	23.98	26.46	30.00
5580MHz	Pass	3.08	21.31	20.21	23.81	23.98	26.89	30.00
5700MHz	Pass	3.08	15.00	15.02	18.02	23.98	21.10	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.08	19.99	19.54	22.78	22.94	25.86	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	4.24	16.08	13.93	18.15	30.00	22.39	36.00
5745MHz	Pass	4.24	23.12	22.09	25.65	30.00	29.89	36.00
5785MHz	Pass	4.24	23.46	22.19	25.88	30.00	30.12	36.00
5825MHz	Pass	4.24	22.97	22.45	25.73	30.00	29.97	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.65	18.84	18.99	21.93	30.00	24.58	36.00
5230MHz	Pass	2.65	23.08	22.43	25.78	30.00	28.43	36.00
5270MHz	Pass	2.78	20.99	20.61	23.81	23.98	26.59	30.00
5310MHz	Pass	2.78	19.93	19.36	22.66	23.98	25.44	30.00
5510MHz	Pass	3.08	20.94	20.17	23.58	23.98	26.66	30.00
5550MHz	Pass	3.08	20.96	20.31	23.66	23.98	26.74	30.00
5670MHz	Pass	3.08	20.77	19.91	23.37	23.98	26.45	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.08	20.13	21.29	23.76	23.98	26.84	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.24	10.85	11.42	14.15	30.00	18.39	36.00
5755MHz	Pass	4.24	23.39	22.78	26.11	30.00	30.35	36.00
5795MHz	Pass	4.24	23.60	23.00	26.32	30.00	30.56	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.65	16.32	16.4	19.37	30.00	22.02	36.00
5290MHz	Pass	2.78	16.91	17.93	20.46	23.98	23.24	30.00
5530MHz	Pass	3.08	17.89	17.78	20.85	23.98	23.93	30.00
5610MHz	Pass	3.08	20.34	19.13	22.79	23.98	25.87	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.08	20.32	21.26	23.83	23.98	26.91	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.24	6.84	7.70	10.30	30.00	14.54	36.00
5775MHz	Pass	4.24	19.53	20.21	22.89	30.00	27.13	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.65	12.22	12.63	15.44	30.00	18.09	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	2.78	13.79	14.33	17.08	23.98	19.86	30.00
5570MHz	Pass	3.08	15.18	16.25	18.76	23.98	21.84	30.00

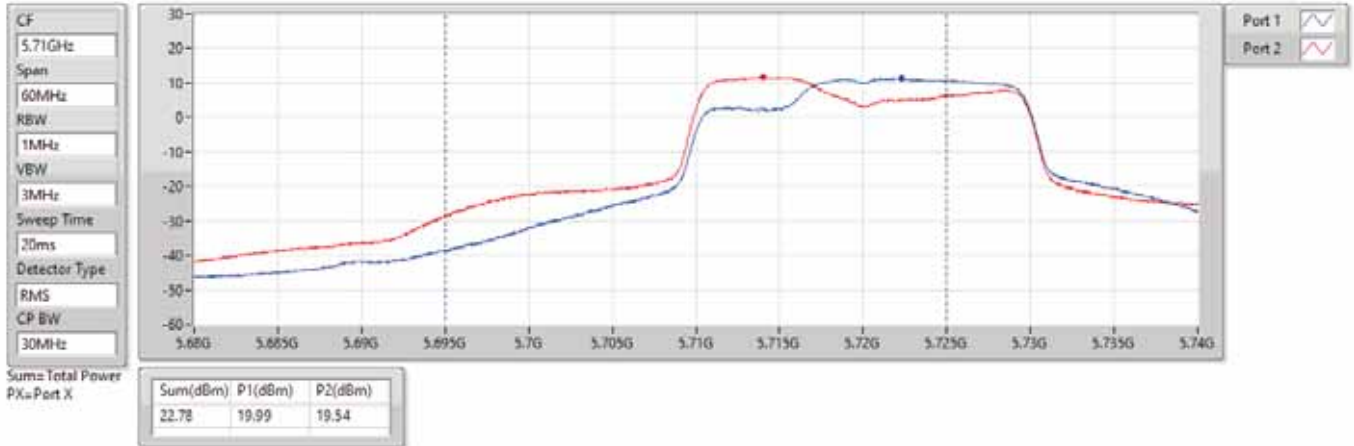
DG = Directional Gain; Port X = Port X output power

5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

25/10/2022

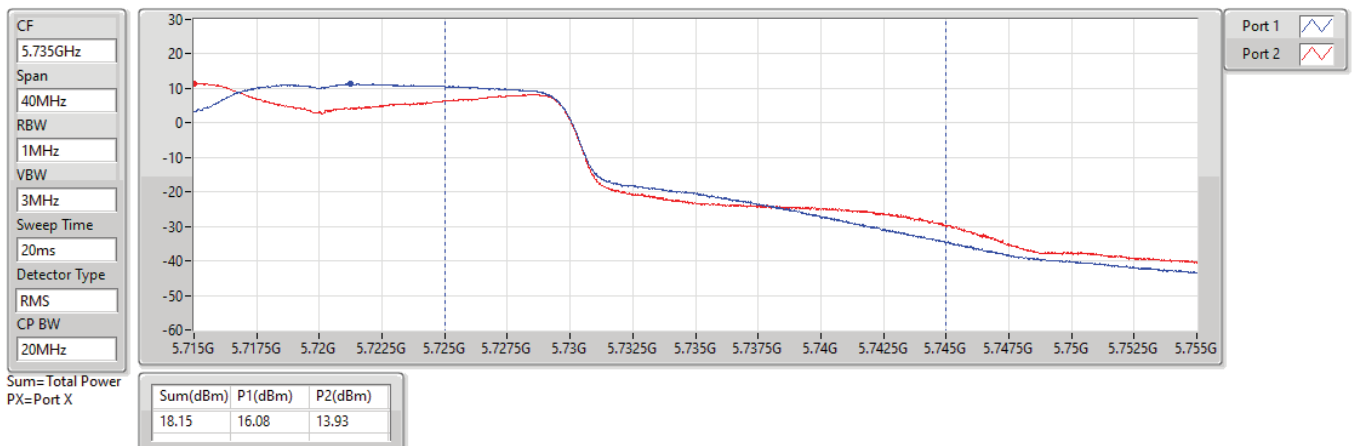


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

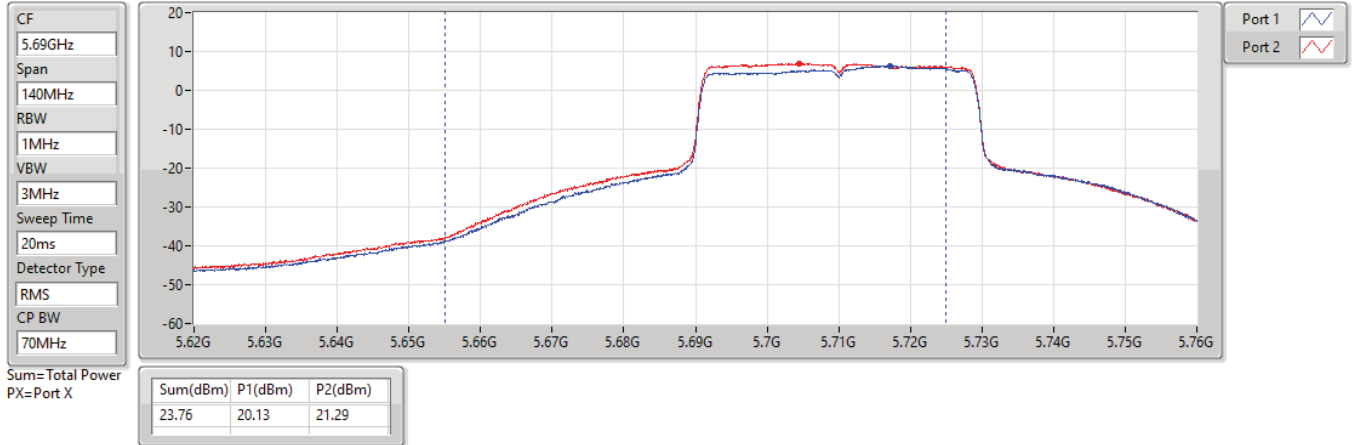
25/10/2022



5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX 5710MHz Straddle 5.47-5.725GHz_TX

AV Power

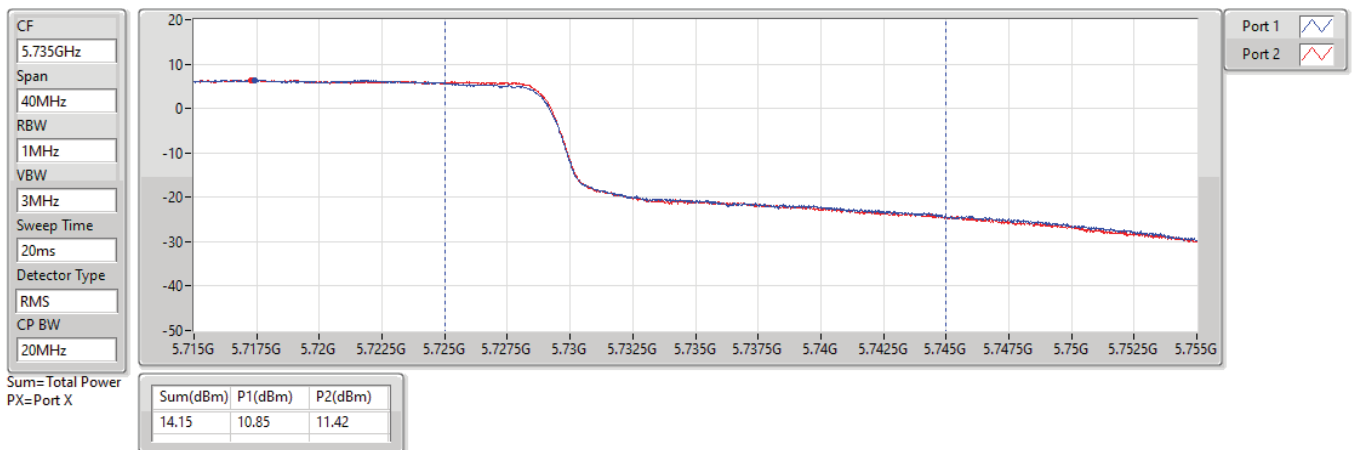
13/10/2022



5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX 5710MHz Straddle 5.725-5.85GHz_TX

AV Power

13/10/2022

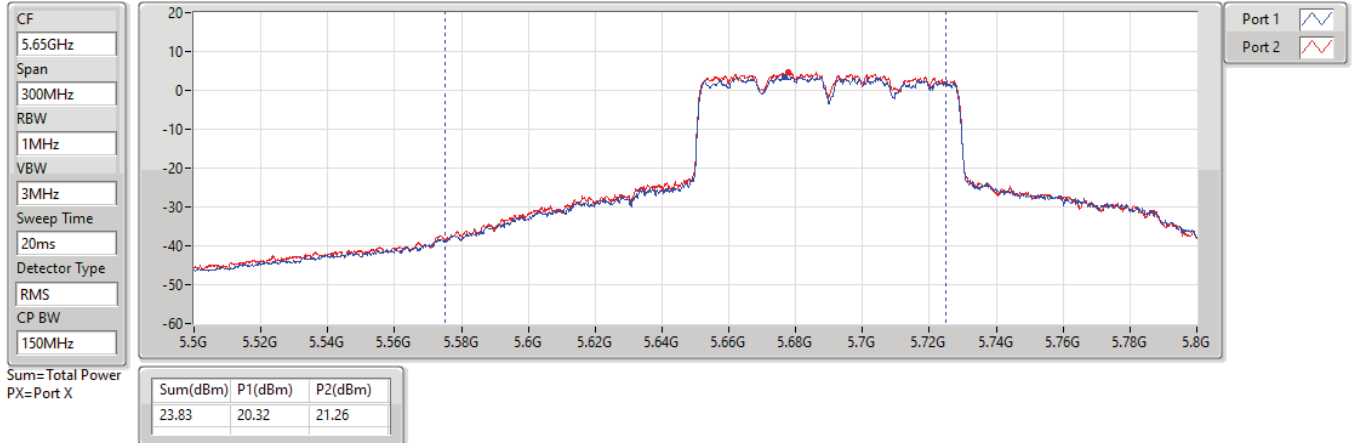


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

13/10/2022

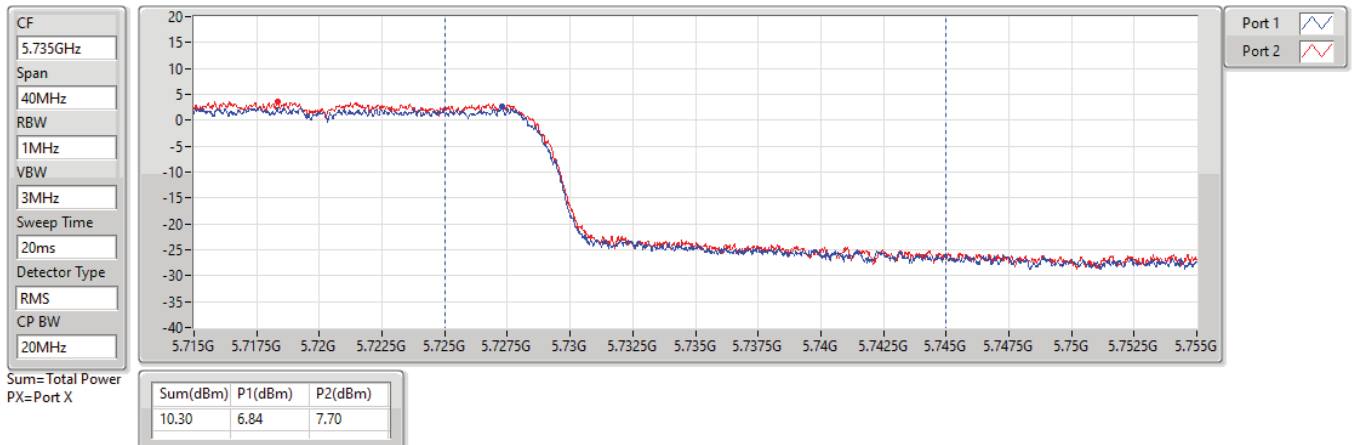


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

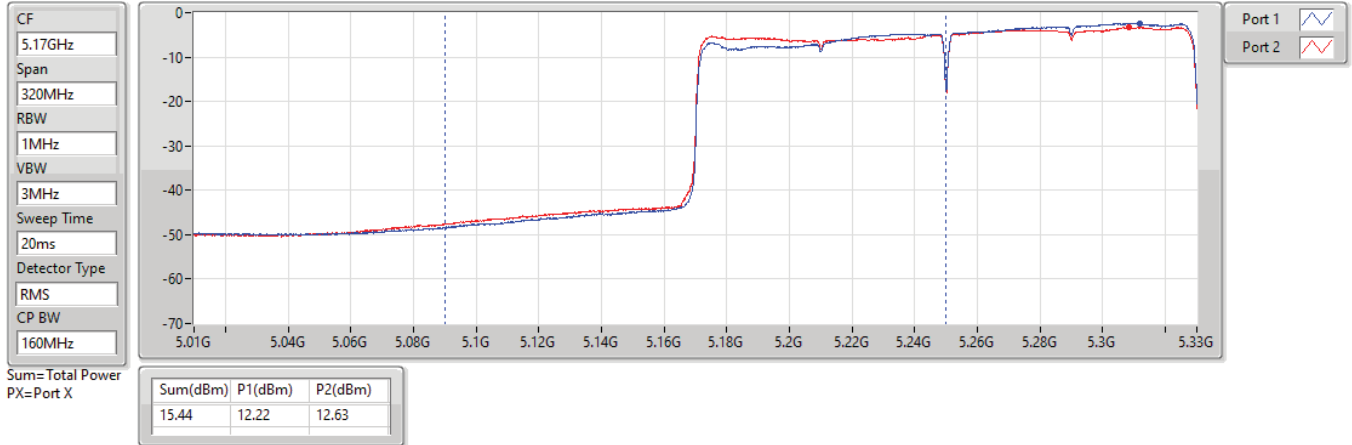
13/10/2022



5.15-5.25GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
5250MHz Straddle 5.15-5.25GHz_TX

AV Power

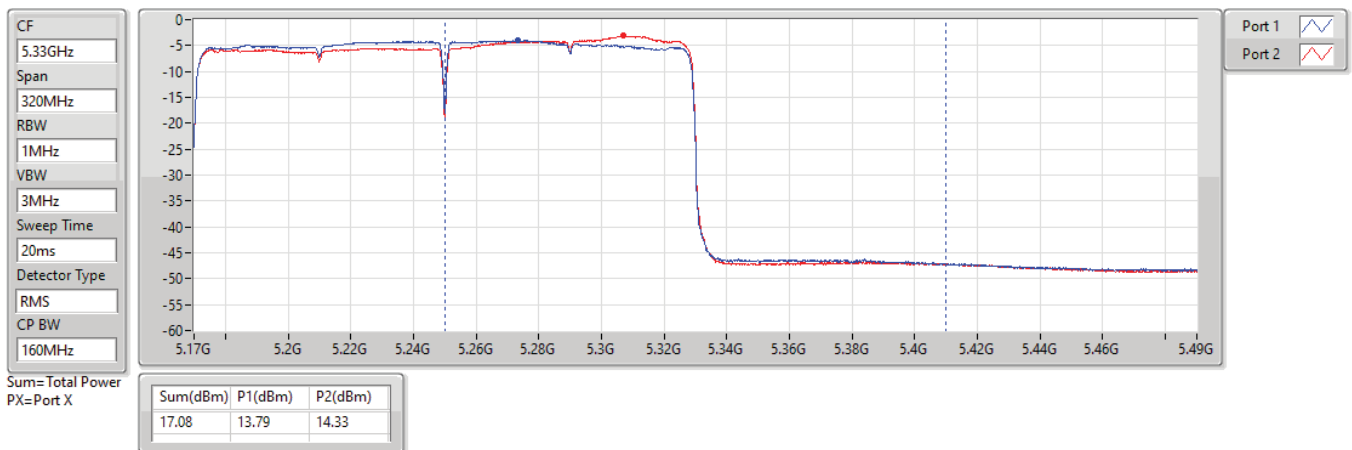
27/10/2022



5.25-5.35GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
5250MHz Straddle 5.25-5.35GHz_TX

AV Power

27/10/2022





Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	14.75	17.40
802.11ax HEW20_Nss1,(MCS0)_2TX	13.33	15.98
802.11ax HEW20_Nss2,(MCS0)_2TX	12.90	15.12
802.11ax HEW40_Nss1,(MCS0)_2TX	9.34	11.99
802.11ax HEW40_Nss2,(MCS0)_2TX	9.89	12.11
802.11ax HEW80_Nss1,(MCS0)_2TX	3.53	6.18
802.11ax HEW80_Nss2,(MCS0)_2TX	3.71	5.93
802.11ax HEW160_Nss1,(MCS0)_2TX	-3.87	-1.22
802.11ax HEW160_Nss2,(MCS0)_2TX	-4.09	-1.87
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.67	13.45
802.11ax HEW20_Nss1,(MCS0)_2TX	10.06	12.84
802.11ax HEW20_Nss2,(MCS0)_2TX	10.02	12.23
802.11ax HEW40_Nss1,(MCS0)_2TX	7.29	10.07
802.11ax HEW40_Nss2,(MCS0)_2TX	7.23	9.44
802.11ax HEW80_Nss1,(MCS0)_2TX	3.76	6.54
802.11ax HEW80_Nss2,(MCS0)_2TX	4.02	6.23
802.11ax HEW160_Nss1,(MCS0)_2TX	-3.13	-0.35
802.11ax HEW160_Nss2,(MCS0)_2TX	-3.34	-1.13
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.69	13.77
802.11ax HEW20_Nss1,(MCS0)_2TX	10.56	13.64
802.11ax HEW20_Nss2,(MCS0)_2TX	10.25	12.99
802.11ax HEW40_Nss1,(MCS0)_2TX	7.58	10.66
802.11ax HEW40_Nss2,(MCS0)_2TX	7.61	10.35
802.11ax HEW80_Nss1,(MCS0)_2TX	4.89	7.97
802.11ax HEW80_Nss2,(MCS0)_2TX	4.92	7.66
802.11ax HEW160_Nss1,(MCS0)_2TX	-3.60	-0.52
802.11ax HEW160_Nss2,(MCS0)_2TX	-4.07	-1.33
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	11.50	15.74
802.11ax HEW20_Nss1,(MCS0)_2TX	10.71	14.95
802.11ax HEW20_Nss2,(MCS0)_2TX	10.74	14.36
802.11ax HEW40_Nss1,(MCS0)_2TX	8.69	12.93
802.11ax HEW40_Nss2,(MCS0)_2TX	8.54	12.16
802.11ax HEW80_Nss1,(MCS0)_2TX	4.69	8.93
802.11ax HEW80_Nss2,(MCS0)_2TX	5.20	8.82

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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.65	7.77	7.98	10.83	17.00	13.48	23.00
5200MHz	Pass	2.65	10.57	11.74	14.12	17.00	16.77	23.00
5240MHz	Pass	2.65	11.39	12.21	14.75	17.00	17.40	23.00
5260MHz	Pass	2.78	7.41	7.62	10.46	11.00	13.24	17.00
5300MHz	Pass	2.78	7.37	7.74	10.52	11.00	13.30	17.00
5320MHz	Pass	2.78	7.56	7.86	10.67	11.00	13.45	17.00
5500MHz	Pass	3.08	6.40	7.07	9.67	11.00	12.75	17.00
5580MHz	Pass	3.08	6.51	8.12	10.33	11.00	13.41	17.00
5700MHz	Pass	3.08	3.26	3.38	6.28	11.00	9.36	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.08	6.68	8.58	10.69	11.00	13.77	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.24	4.93	6.88	8.96	30.00	13.20	36.00
5745MHz	Pass	4.24	7.73	9.23	11.50	30.00	15.74	36.00
5785MHz	Pass	4.24	7.40	8.82	11.08	30.00	15.32	36.00
5825MHz	Pass	4.24	7.31	9.00	11.14	30.00	15.38	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.65	6.65	7.19	9.92	17.00	12.57	23.00
5200MHz	Pass	2.65	9.21	10.20	12.68	17.00	15.33	23.00
5240MHz	Pass	2.65	9.85	10.81	13.33	17.00	15.98	23.00
5260MHz	Pass	2.78	6.89	7.18	10.03	11.00	12.81	17.00
5300MHz	Pass	2.78	6.79	7.30	10.02	11.00	12.80	17.00
5320MHz	Pass	2.78	6.91	7.29	10.06	11.00	12.84	17.00
5500MHz	Pass	3.08	6.80	7.18	9.93	11.00	13.01	17.00
5580MHz	Pass	3.08	6.90	7.43	10.14	11.00	13.22	17.00
5700MHz	Pass	3.08	2.62	2.64	5.52	11.00	8.60	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.08	6.53	8.40	10.56	11.00	13.64	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.24	4.72	6.70	8.77	30.00	13.01	36.00
5745MHz	Pass	4.24	6.48	8.15	10.38	30.00	14.62	36.00
5785MHz	Pass	4.24	7.01	8.36	10.68	30.00	14.92	36.00
5825MHz	Pass	4.24	6.87	8.47	10.71	30.00	14.95	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.22	6.42	6.93	9.65	17.00	11.87	23.00
5200MHz	Pass	2.22	8.73	9.75	12.26	17.00	14.48	23.00
5240MHz	Pass	2.22	9.47	10.35	12.90	17.00	15.12	23.00
5260MHz	Pass	2.21	6.83	7.16	9.96	11.00	12.17	17.00
5300MHz	Pass	2.21	6.83	7.26	10.00	11.00	12.21	17.00
5320MHz	Pass	2.21	6.83	7.28	10.02	11.00	12.23	17.00
5500MHz	Pass	2.74	7.13	7.43	10.25	11.00	12.99	17.00
5580MHz	Pass	2.74	6.80	7.41	10.08	11.00	12.82	17.00
5700MHz	Pass	2.74	3.59	3.49	6.51	11.00	9.25	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.74	7.25	7.31	10.25	11.00	12.99	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.62	5.54	5.55	8.51	30.00	12.13	36.00
5745MHz	Pass	3.62	6.57	8.12	10.35	30.00	13.97	36.00
5785MHz	Pass	3.62	7.08	8.31	10.74	30.00	14.36	36.00
5825MHz	Pass	3.62	6.97	8.44	10.73	30.00	14.35	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.65	3.54	3.81	6.64	17.00	9.29	23.00
5230MHz	Pass	2.65	5.85	6.77	9.34	17.00	11.99	23.00
5270MHz	Pass	2.78	4.06	4.48	7.29	11.00	10.07	17.00
5310MHz	Pass	2.78	2.86	3.32	6.01	11.00	8.79	17.00
5510MHz	Pass	3.08	4.16	4.76	7.43	11.00	10.51	17.00
5550MHz	Pass	3.08	4.12	4.89	7.41	11.00	10.49	17.00
5670MHz	Pass	3.08	4.56	4.13	7.36	11.00	10.44	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.08	4.59	4.69	7.58	11.00	10.66	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.24	2.41	2.49	5.44	30.00	9.68	36.00



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)
5755MHz	Pass	4.24	4.52	5.70	8.11	30.00	12.35	36.00
5795MHz	Pass	4.24	5.40	6.05	8.69	30.00	12.93	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.22	4.03	4.11	7.04	17.00	9.26	23.00
5230MHz	Pass	2.22	6.47	7.33	9.89	17.00	12.11	23.00
5270MHz	Pass	2.21	4.02	4.47	7.23	11.00	9.44	17.00
5310MHz	Pass	2.21	3.28	3.66	6.46	11.00	8.67	17.00
5510MHz	Pass	2.74	4.14	4.81	7.50	11.00	10.24	17.00
5550MHz	Pass	2.74	4.06	4.89	7.44	11.00	10.18	17.00
5670MHz	Pass	2.74	4.54	4.13	7.29	11.00	10.03	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.74	4.62	4.73	7.61	11.00	10.35	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.62	2.41	2.52	5.42	30.00	9.04	36.00
5755MHz	Pass	3.62	4.56	5.71	8.14	30.00	11.76	36.00
5795MHz	Pass	3.62	5.14	5.96	8.54	30.00	12.16	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.65	0.14	0.92	3.53	17.00	6.18	23.00
5290MHz	Pass	2.78	0.37	1.18	3.76	11.00	6.54	17.00
5530MHz	Pass	3.08	0.53	1.67	4.00	11.00	7.08	17.00
5610MHz	Pass	3.08	1.85	2.02	4.89	11.00	7.97	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.08	1.64	2.01	4.72	11.00	7.80	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.24	-1.47	-1.02	1.71	30.00	5.95	36.00
5775MHz	Pass	4.24	1.07	2.48	4.69	30.00	8.93	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.22	0.45	1.05	3.71	17.00	5.93	23.00
5290MHz	Pass	2.21	0.77	1.38	4.02	11.00	6.23	17.00
5530MHz	Pass	2.74	-0.55	0.46	2.80	11.00	5.54	17.00
5610MHz	Pass	2.74	1.93	2.05	4.92	11.00	7.66	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	2.74	1.61	1.92	4.69	11.00	7.43	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.62	-1.46	-1.06	1.71	30.00	5.33	36.00
5775MHz	Pass	3.62	1.47	3.00	5.20	30.00	8.82	36.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.65	-7.27	-6.43	-3.87	17.00	-1.22	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	2.78	-6.26	-5.93	-3.13	11.00	-0.35	17.00
5570MHz	Pass	3.08	-6.71	-6.39	-3.60	11.00	-0.52	17.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.22	-7.33	-6.63	-4.09	17.00	-1.87	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	2.21	-6.53	-6.05	-3.34	11.00	-1.13	17.00
5570MHz	Pass	2.74	-7.33	-6.84	-4.07	11.00	-1.33	17.00

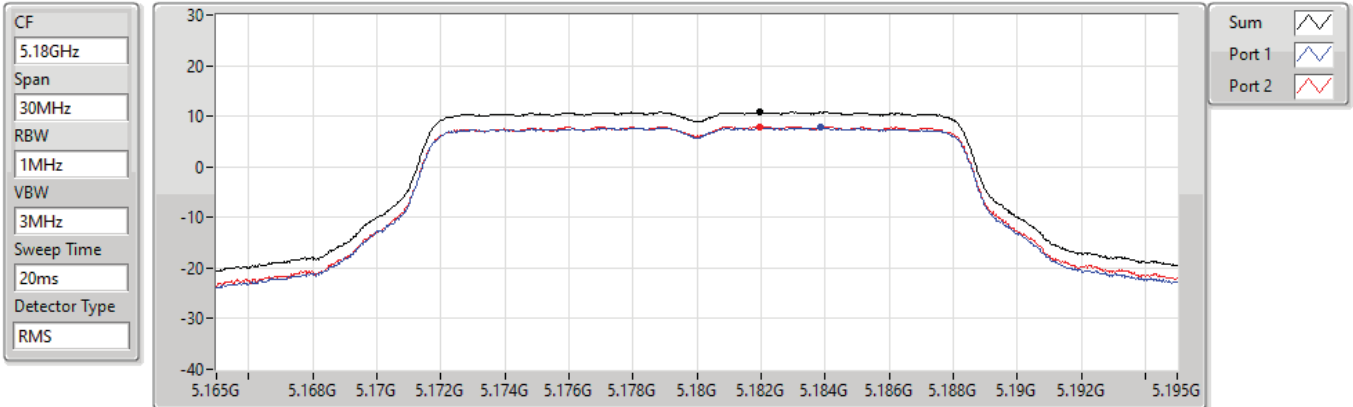
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

27/09/2022

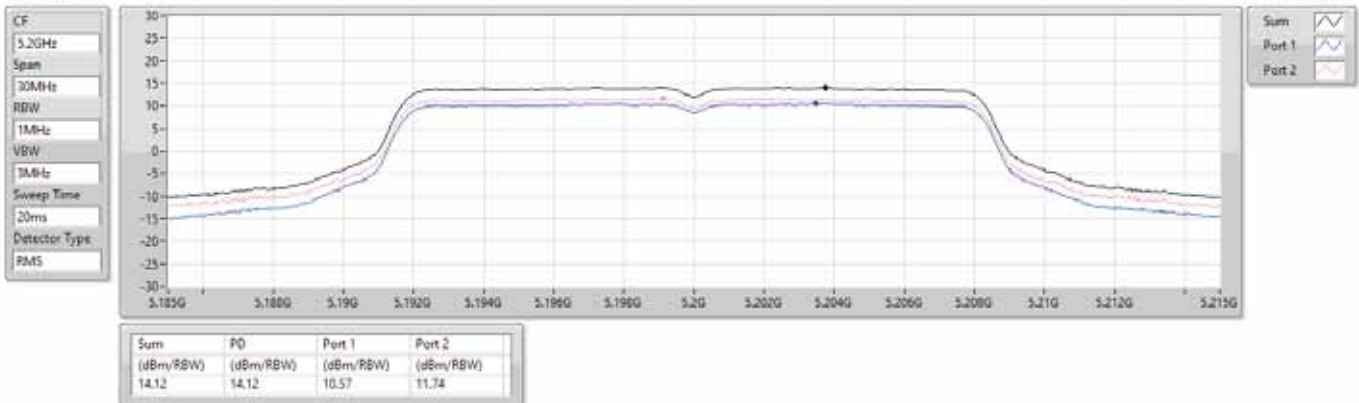


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

24/10/2022



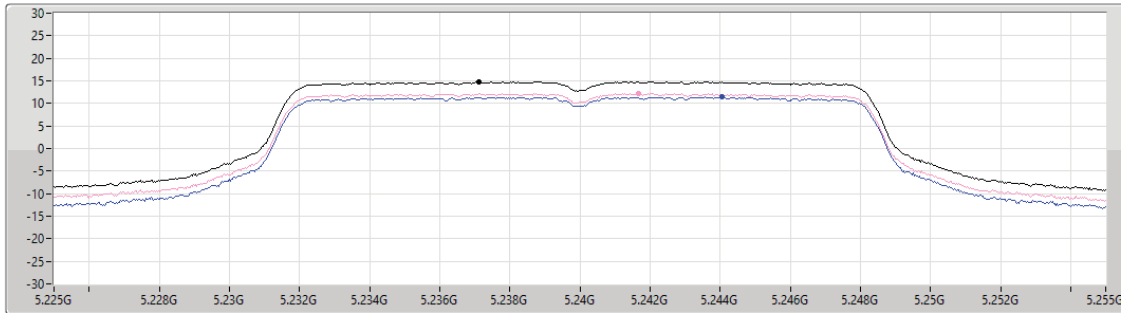
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

24/10/2022

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.75	14.75	11.39	12.21

Sum ☒
Port 1 ☒
Port 2 ☒

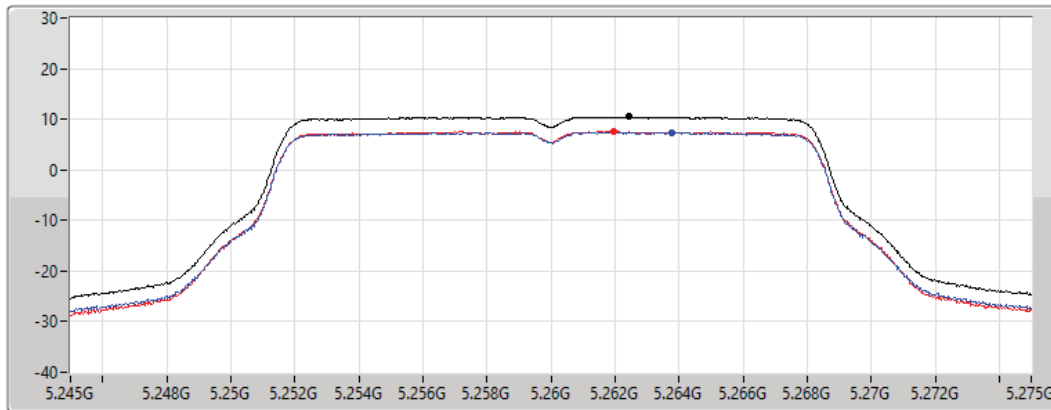
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

27/09/2022

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.46	10.46	7.41	7.62

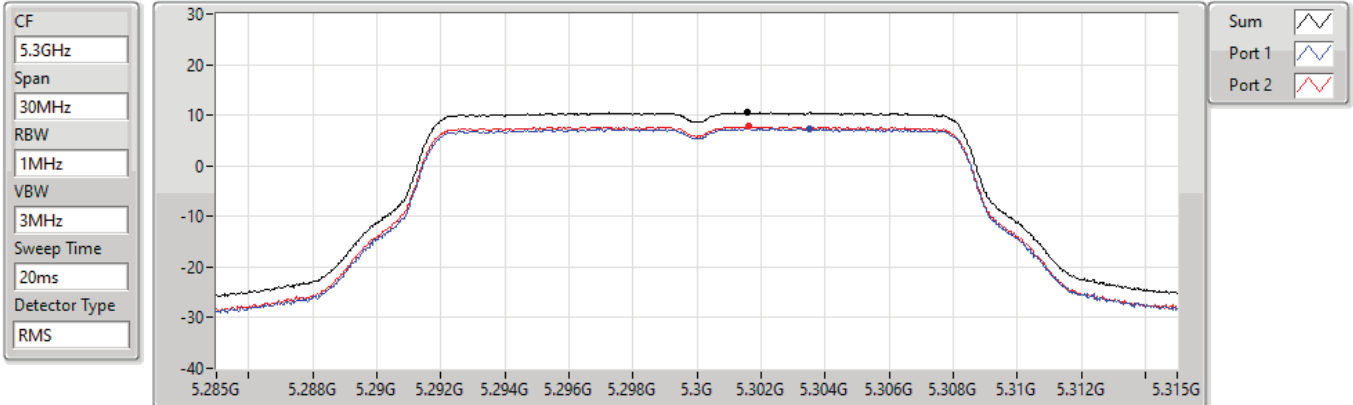
Sum ☒
Port 1 ☒
Port 2 ☒

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

27/09/2022



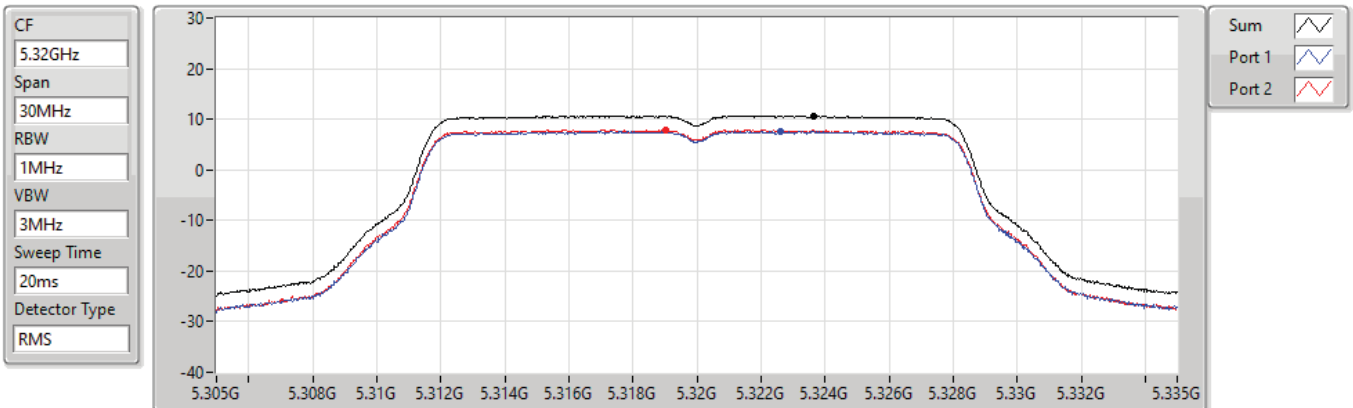
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.52	10.52	7.37	7.74

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

27/09/2022



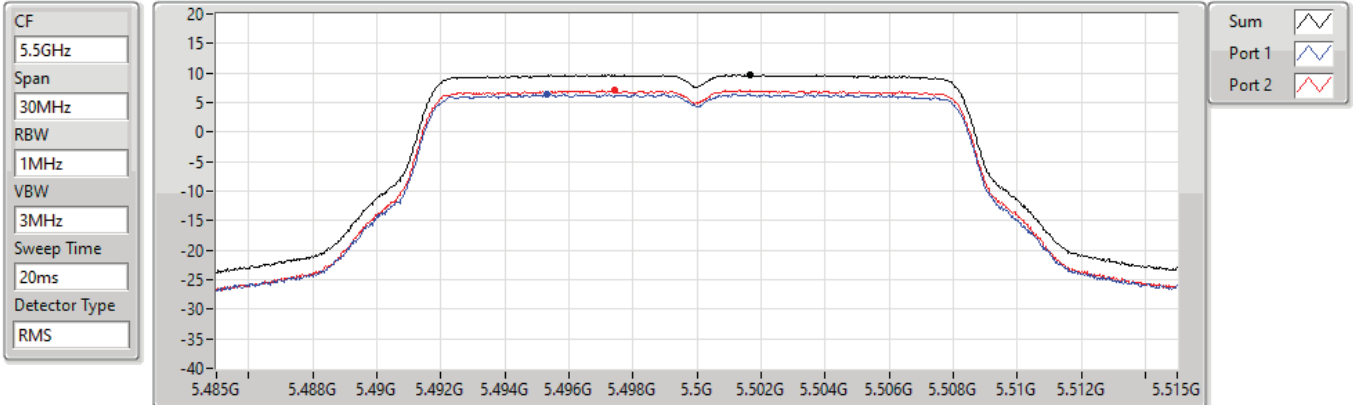
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.67	10.67	7.56	7.86

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

27/09/2022

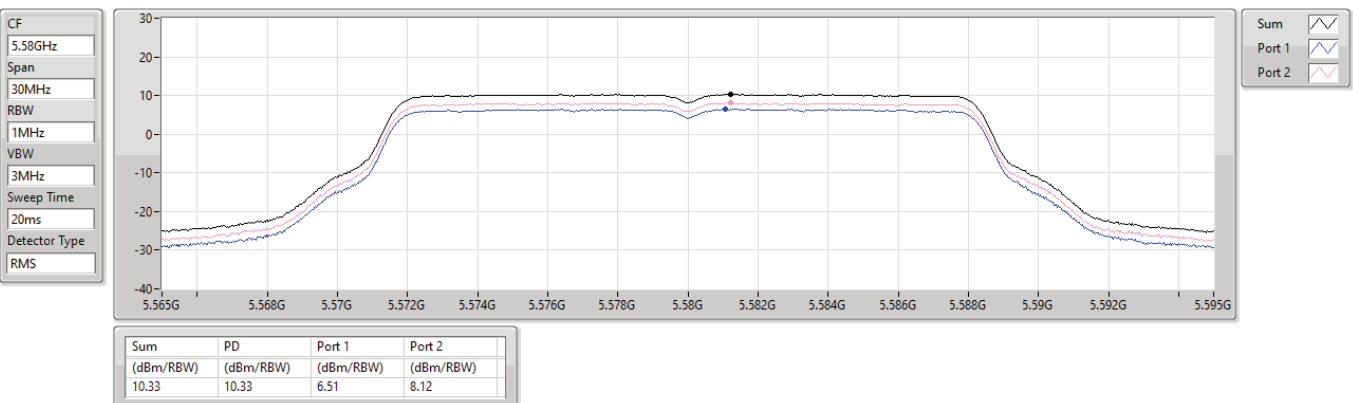


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

24/10/2022

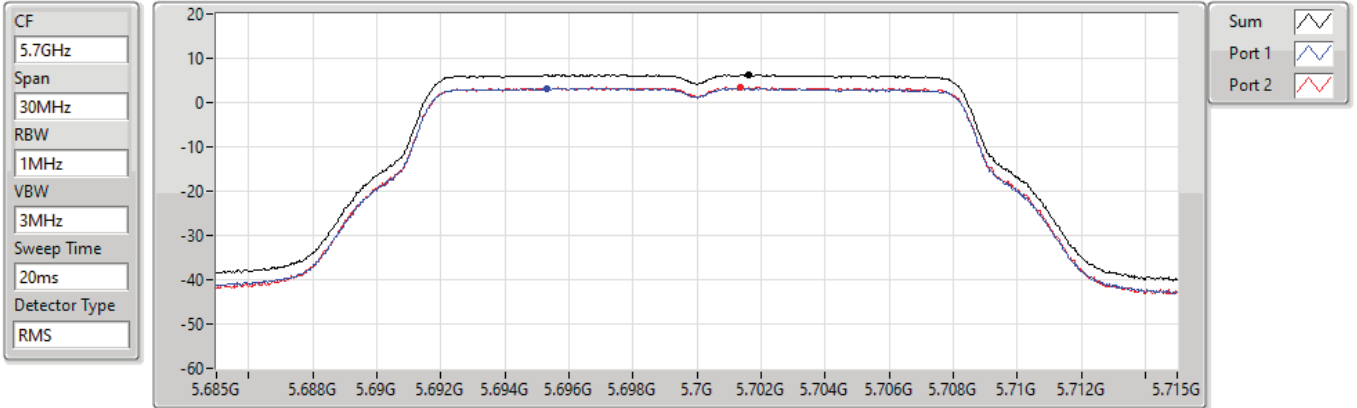


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

27/09/2022

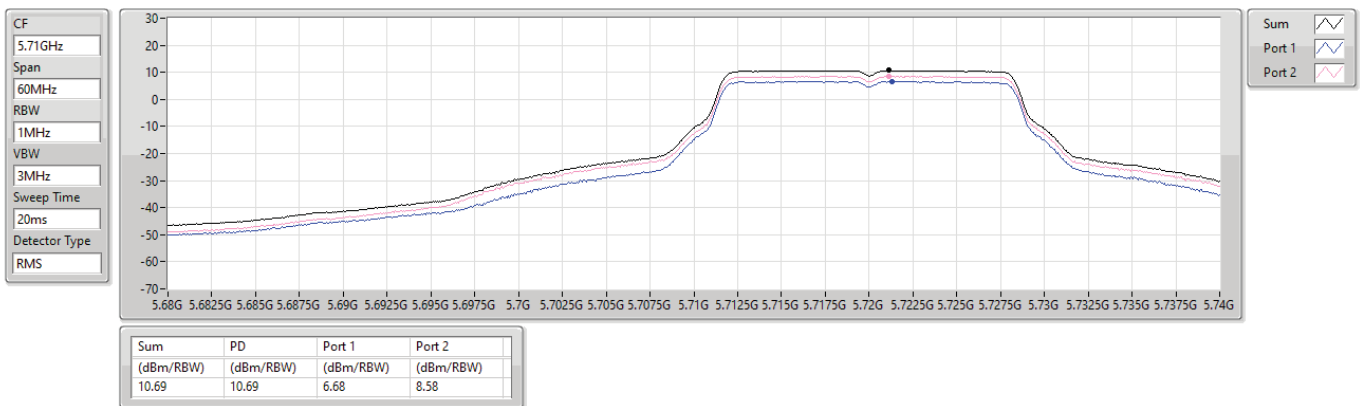


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

24/10/2022

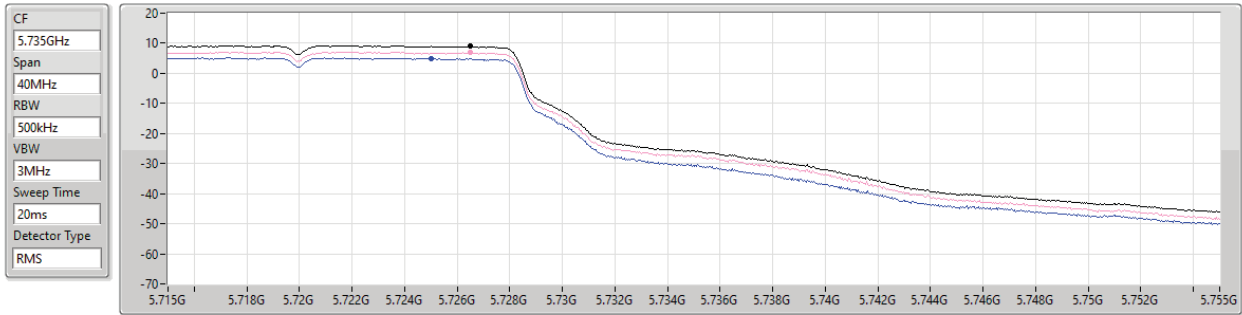


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

24/10/2022



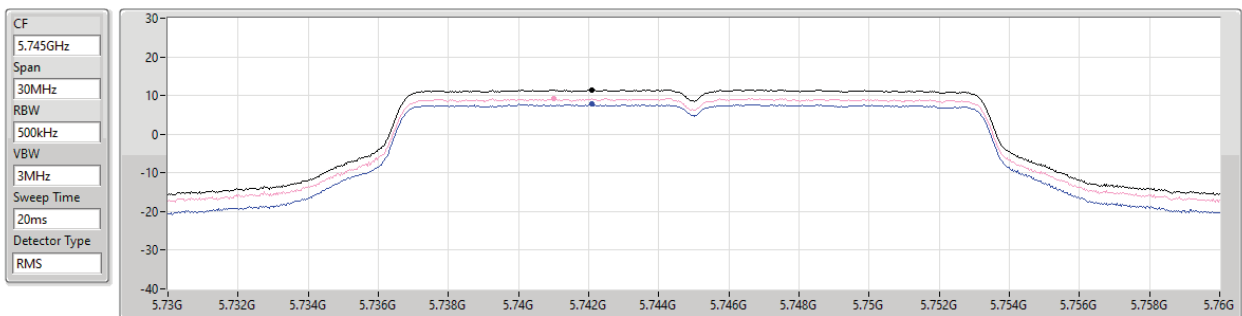
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.96	8.96	4.93	6.88

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

24/10/2022



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
11.50	11.50	7.73	9.23

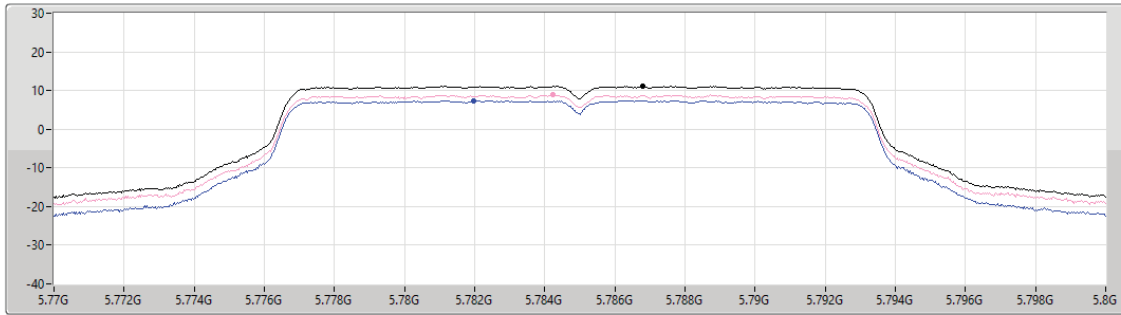
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

24/10/2022

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
11.08	11.08	7.40	8.82

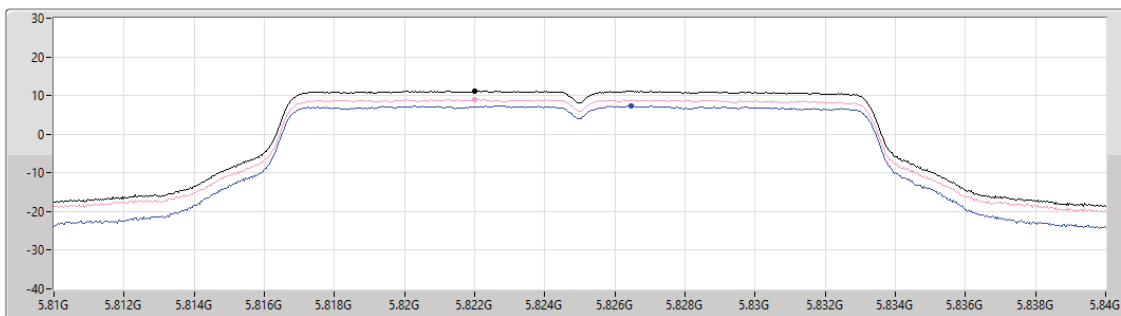
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

24/10/2022

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

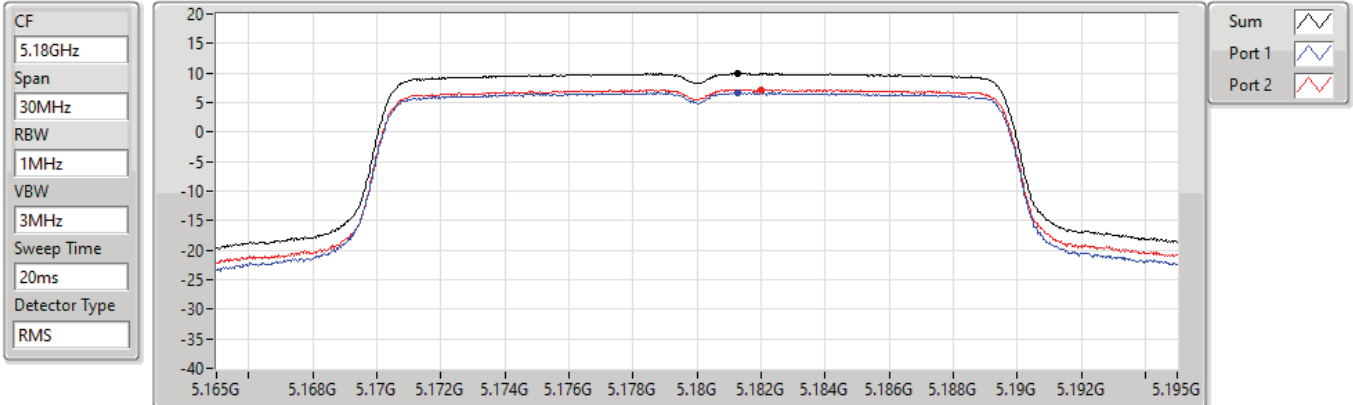
Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
11.14	11.14	7.31	9.00

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5180MHz

27/09/2022

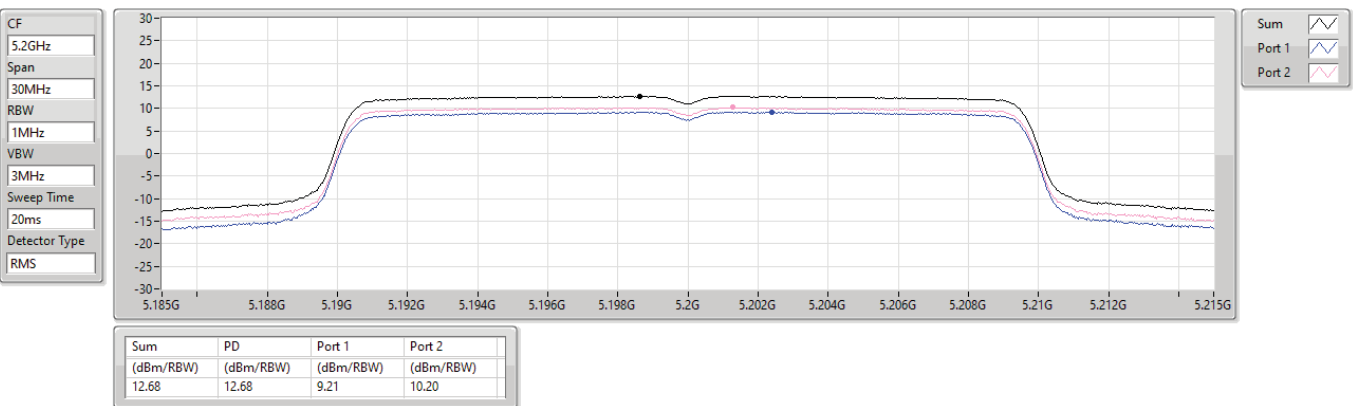


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5200MHz

24/10/2022



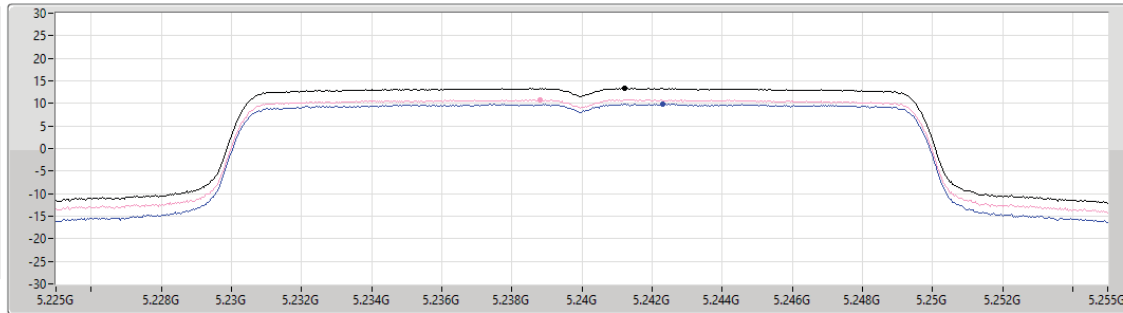
5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5240MHz

24/10/2022

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.33	13.33	9.85	10.81

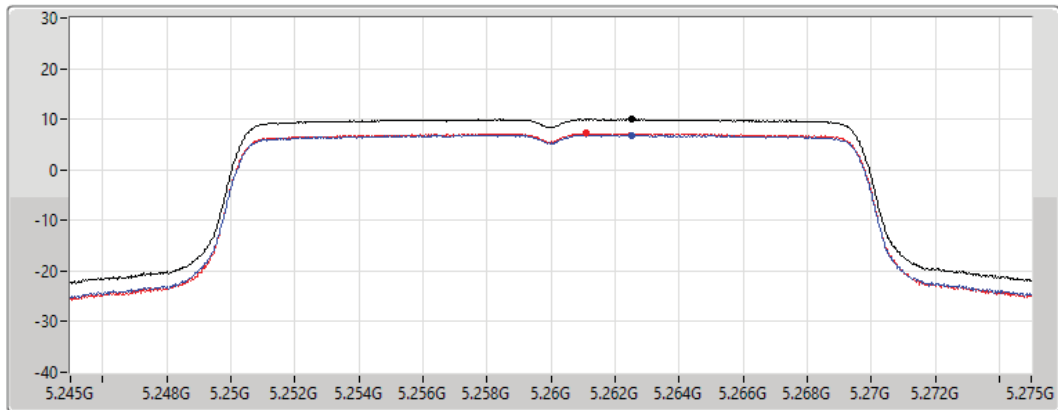
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5260MHz

27/09/2022

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

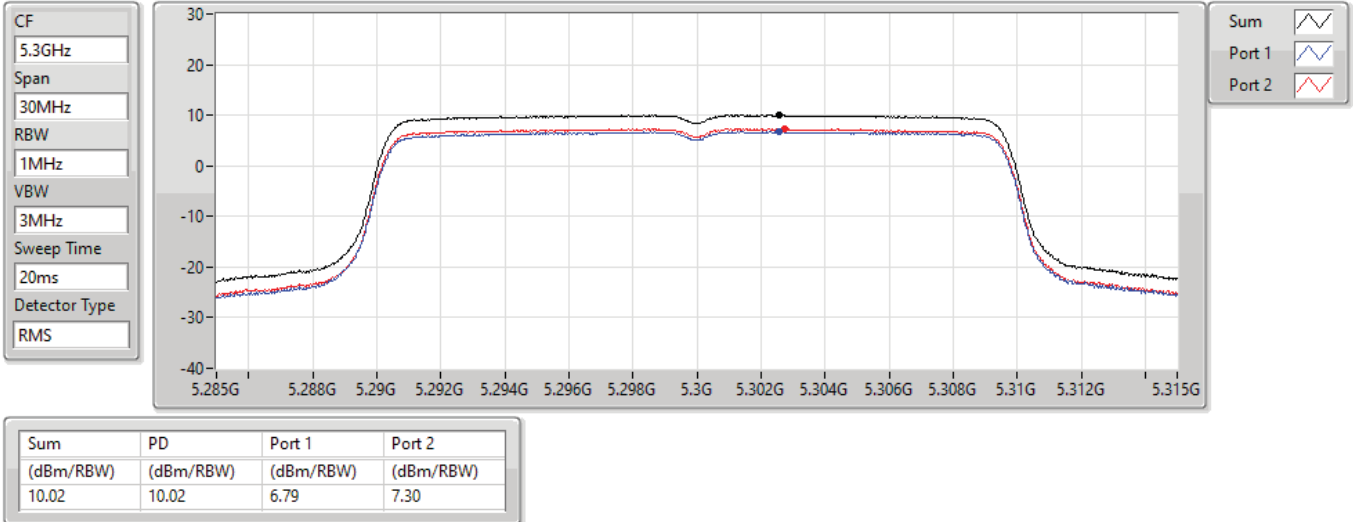
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.03	10.03	6.89	7.18

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5300MHz

27/09/2022

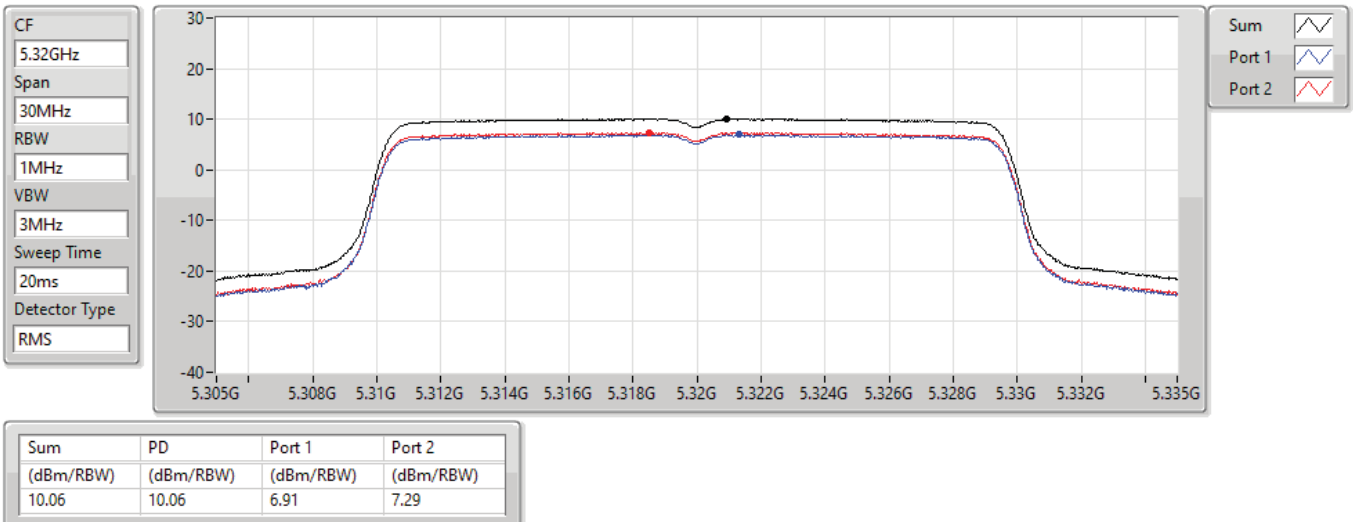


5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5320MHz

27/09/2022

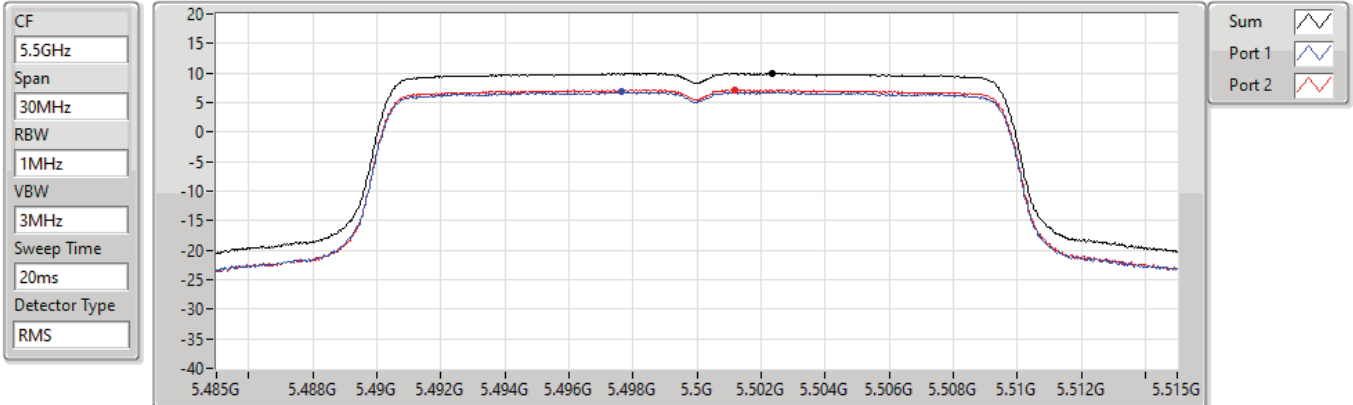


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5500MHz

27/09/2022

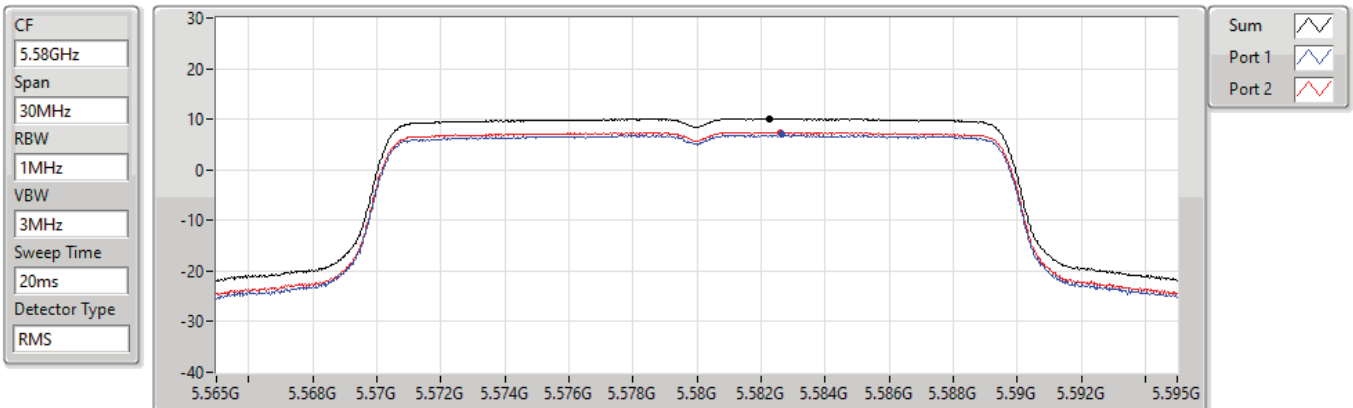


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5580MHz

27/09/2022

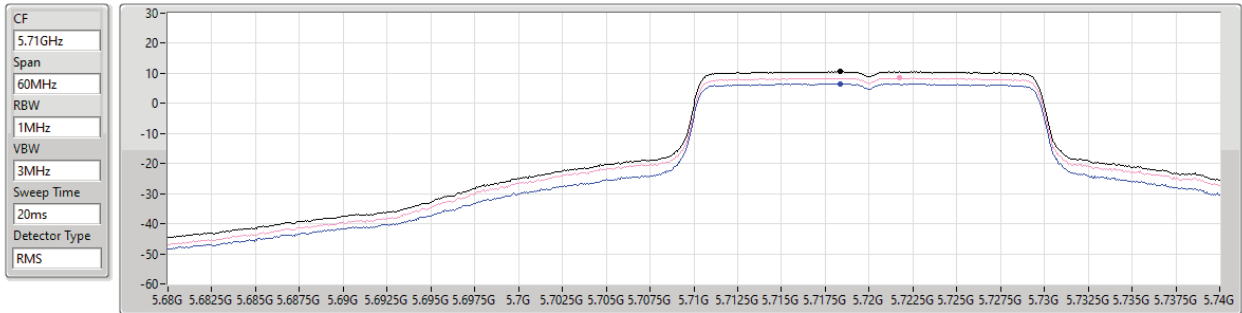


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

24/10/2022



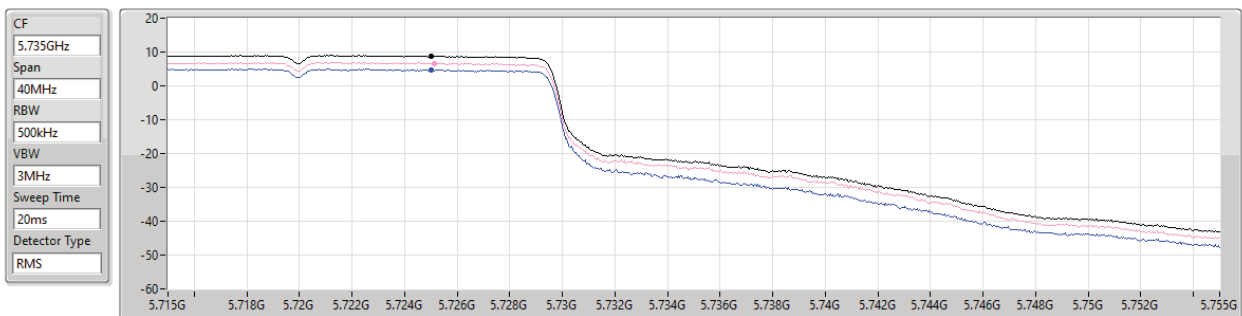
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.56	10.56	6.53	8.40

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

24/10/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.77	8.77	4.72	6.70



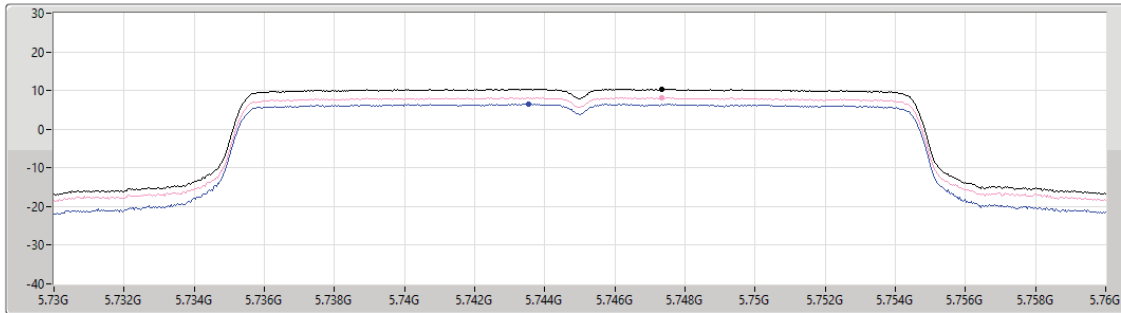
5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

5745MHz

24/10/2022

CF
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.38	10.38	6.48	8.15

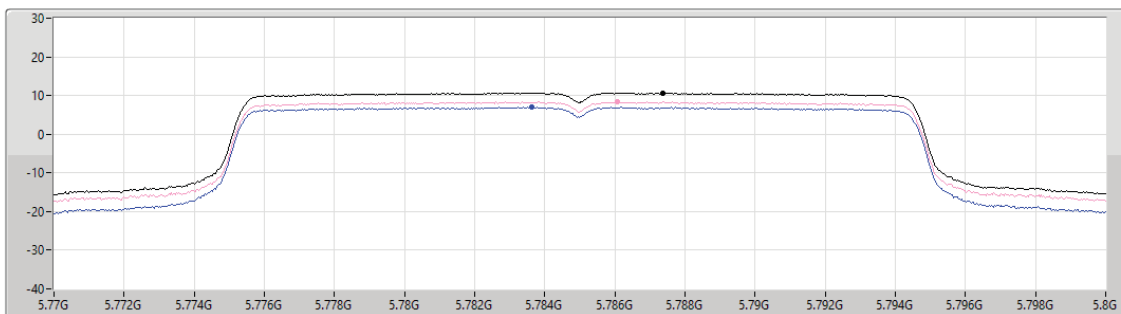
5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

24/10/2022

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.68	10.68	7.01	8.36

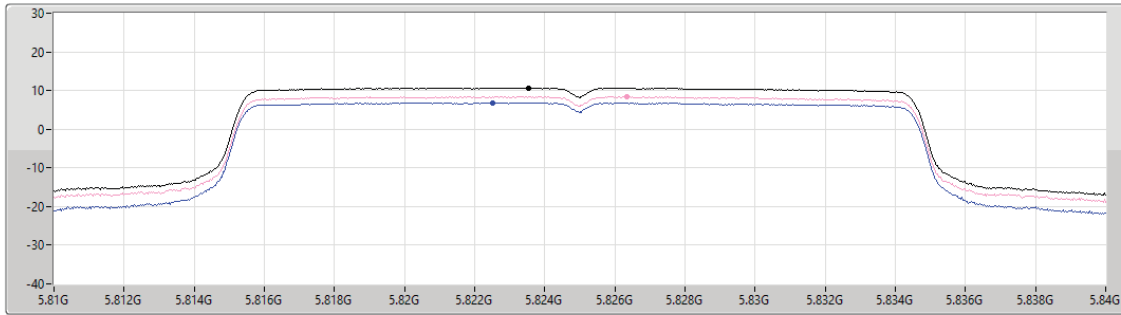
5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5825MHz

24/10/2022

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.71	10.71	6.87	8.47

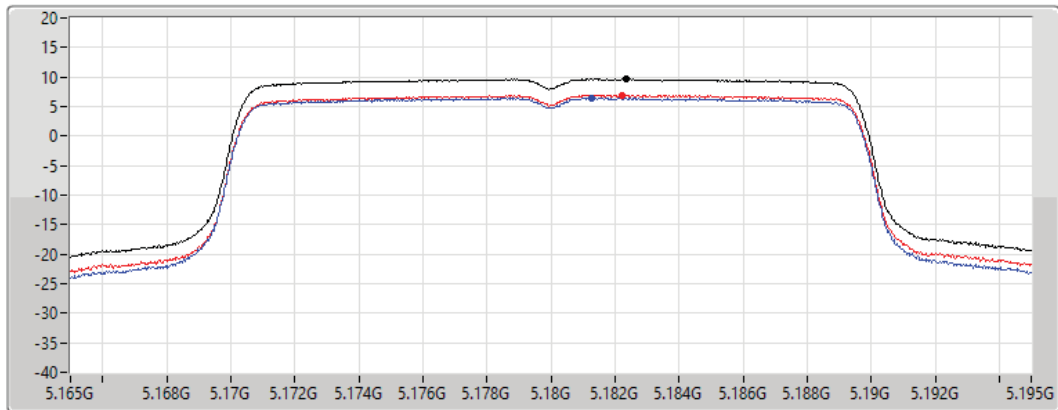
5.15-5.25GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

27/09/2022

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.65	9.65	6.42	6.93

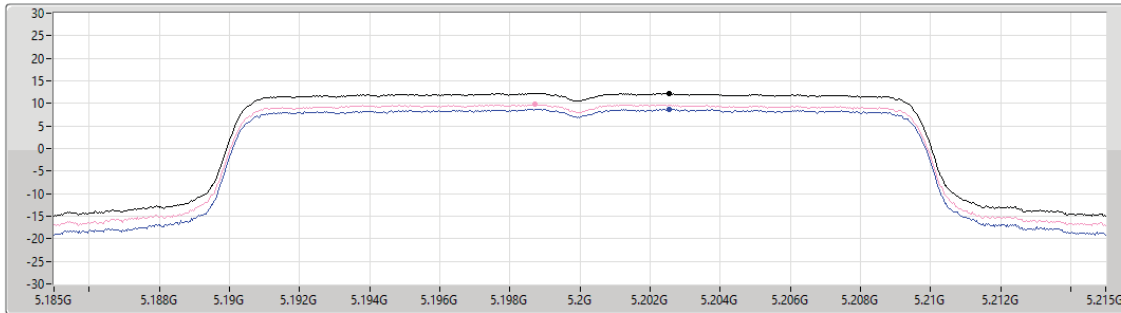
5.15-5.25GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

24/10/2022

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.26	12.26	8.73	9.75

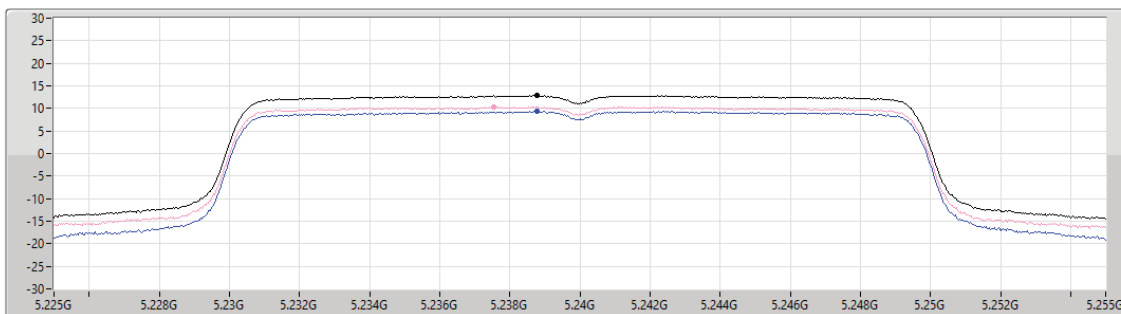
5.15-5.25GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

24/10/2022

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

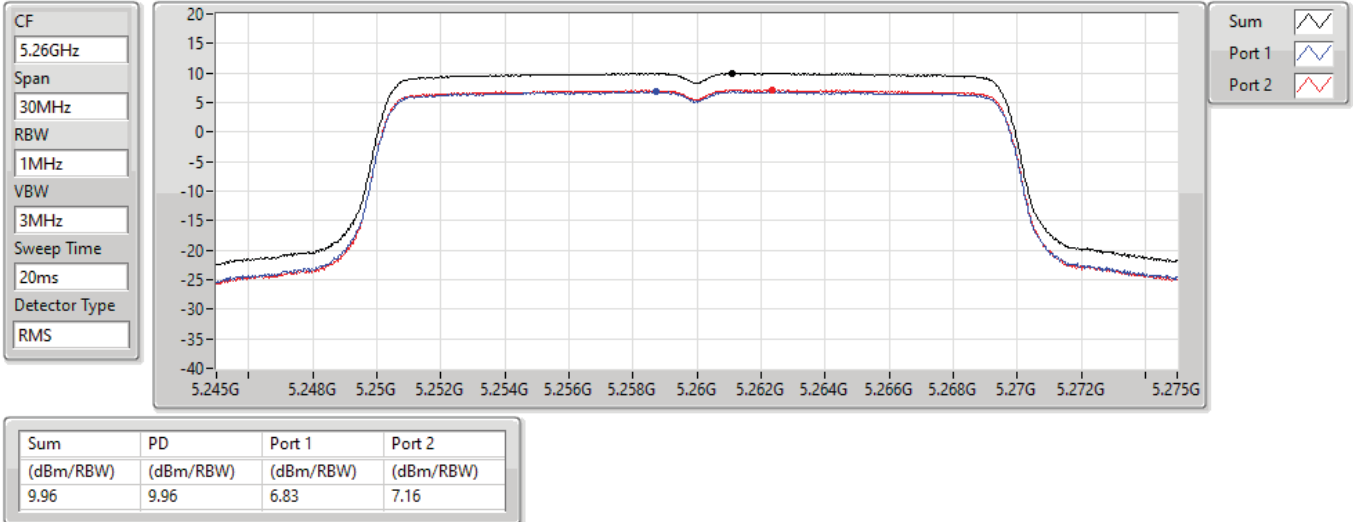
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.90	12.90	9.47	10.35

5.25-5.35GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5260MHz

27/09/2022

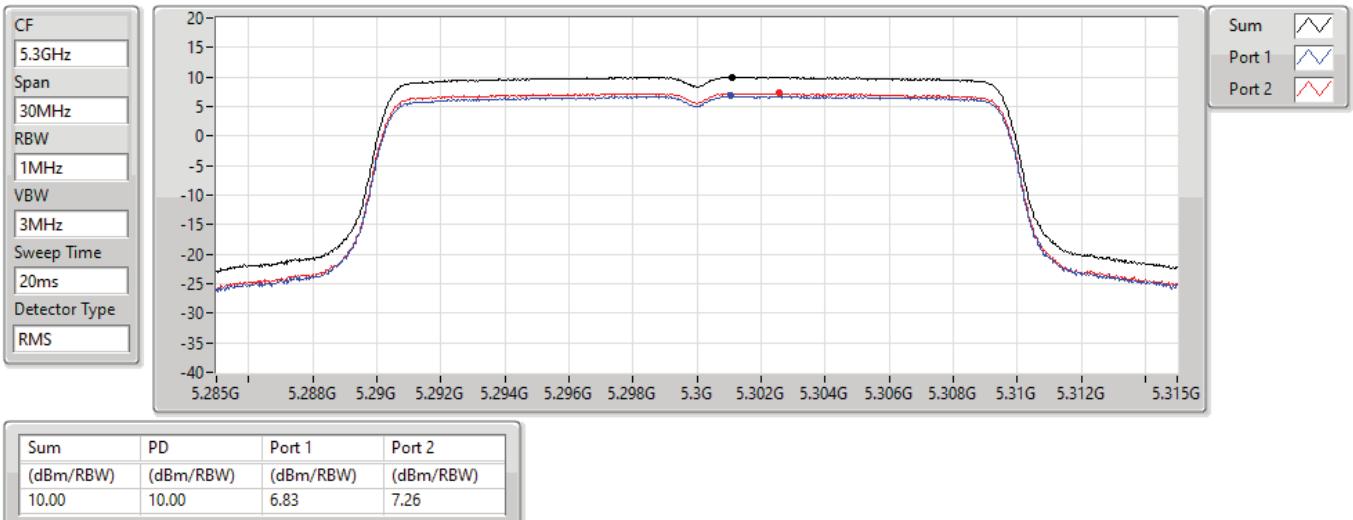


5.25-5.35GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5300MHz

27/09/2022

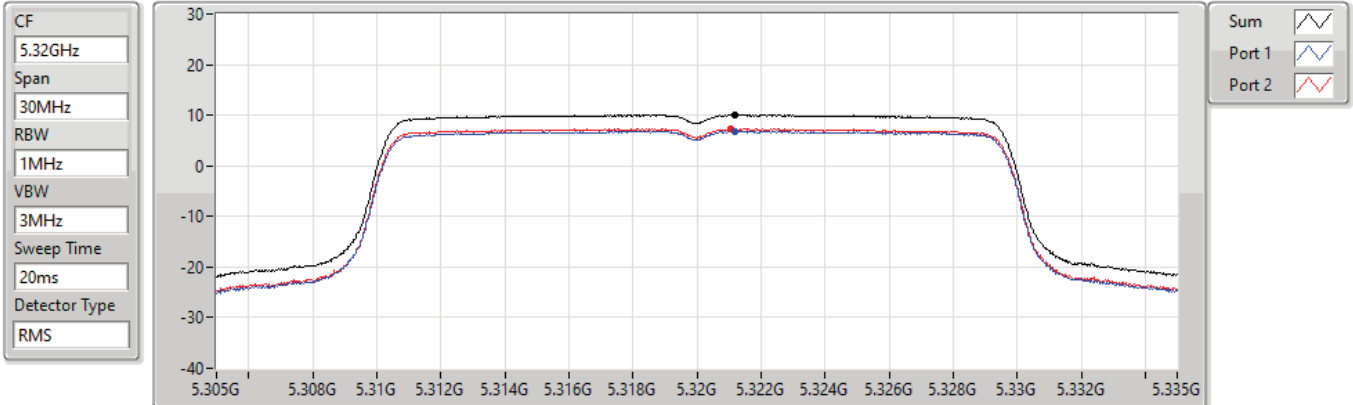


5.25-5.35GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5320MHz

27/09/2022

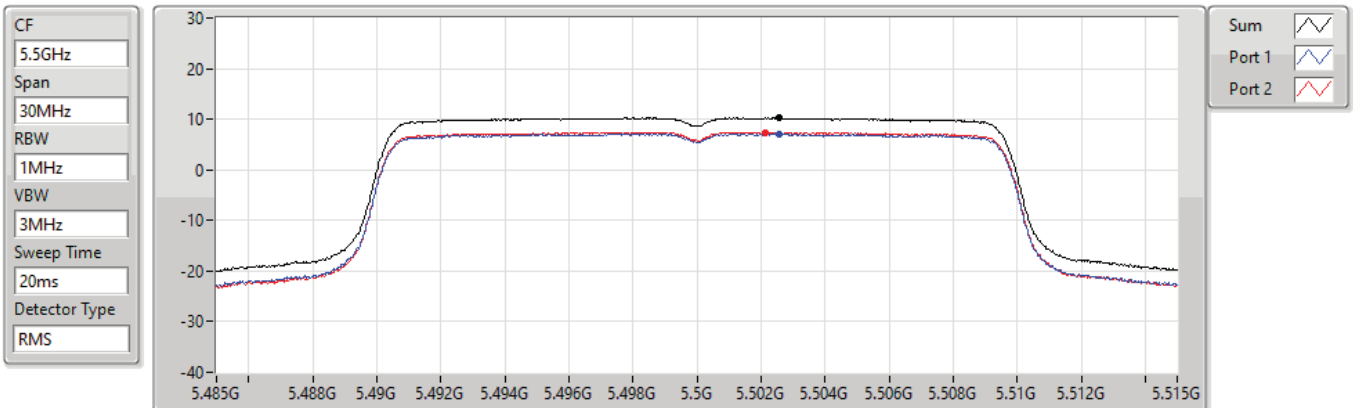


5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5500MHz

27/09/2022

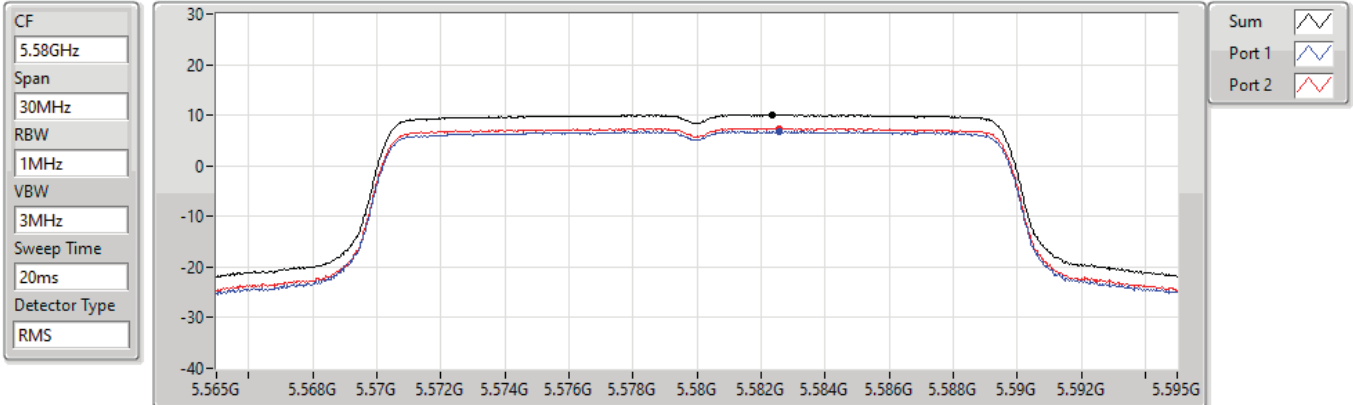


5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5580MHz

27/09/2022

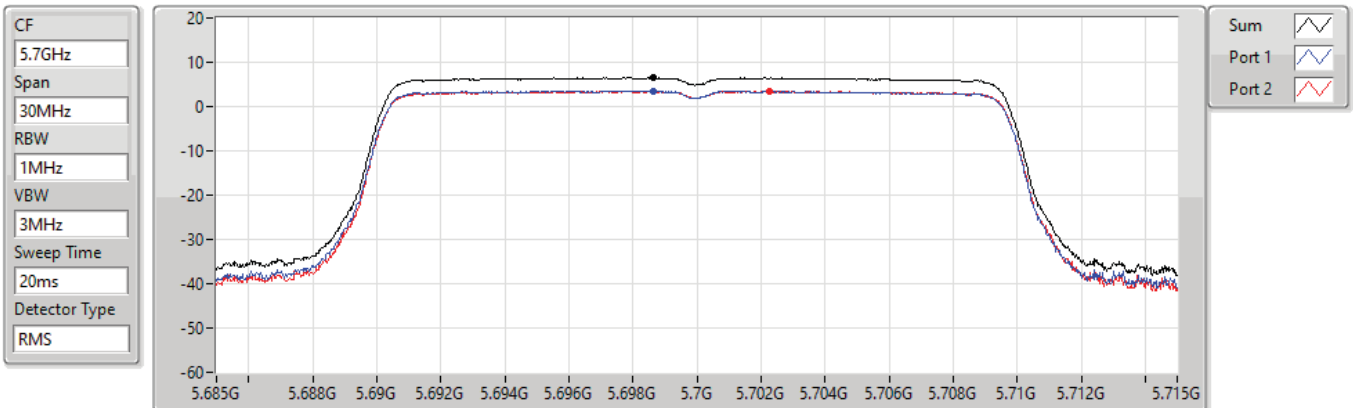


5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5700MHz

27/09/2022

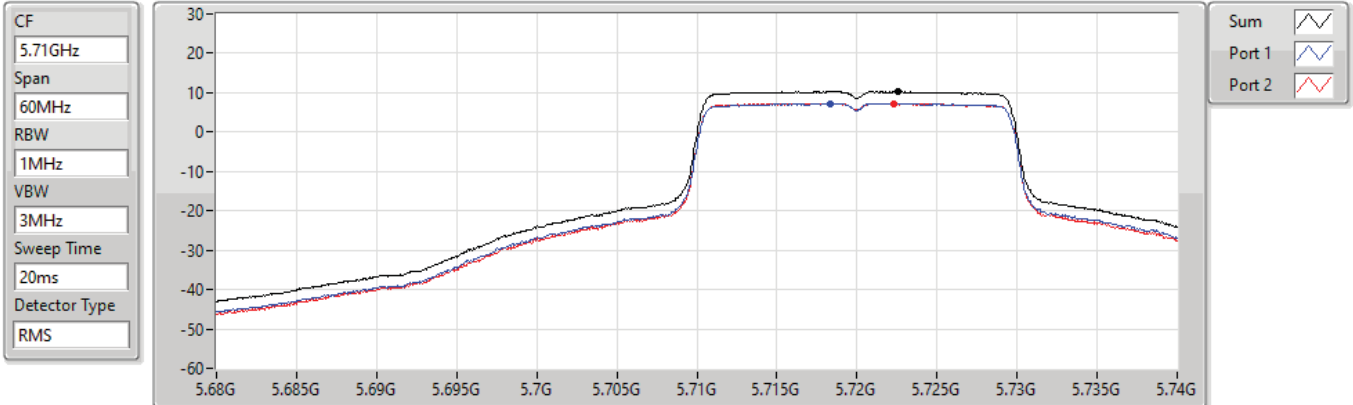


5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

27/09/2022



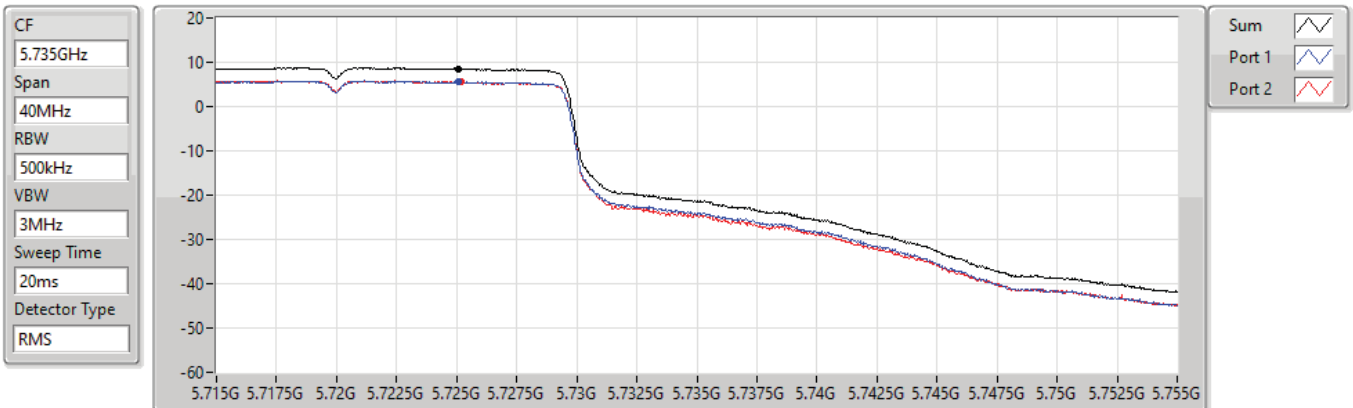
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.25	10.25	7.25	7.31

5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

27/09/2022



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.51	8.51	5.54	5.55

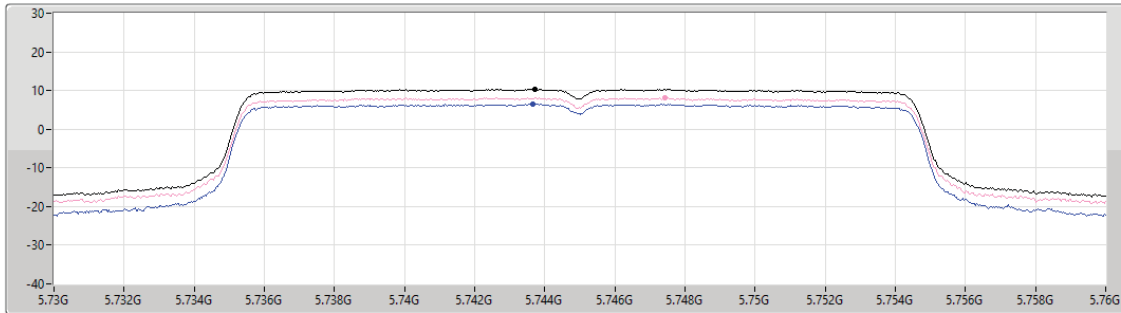
5.725-5.85GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

24/10/2022

CF
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.35	10.35	6.57	8.12

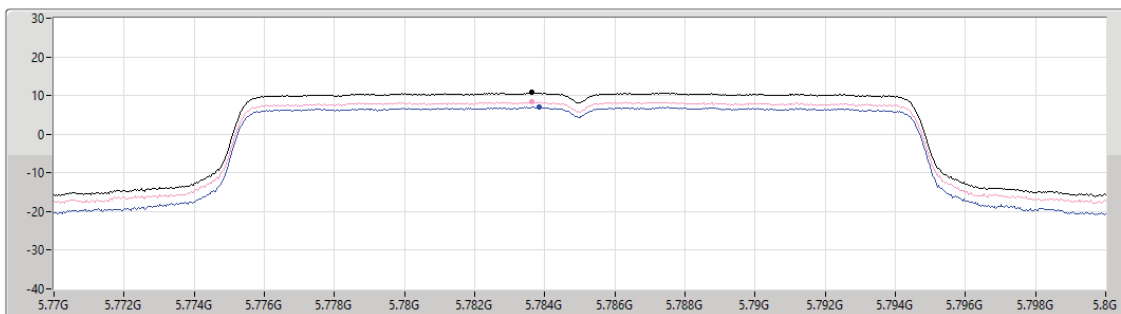
5.725-5.85GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

PSD

5785MHz

24/10/2022

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.74	10.74	7.08	8.31

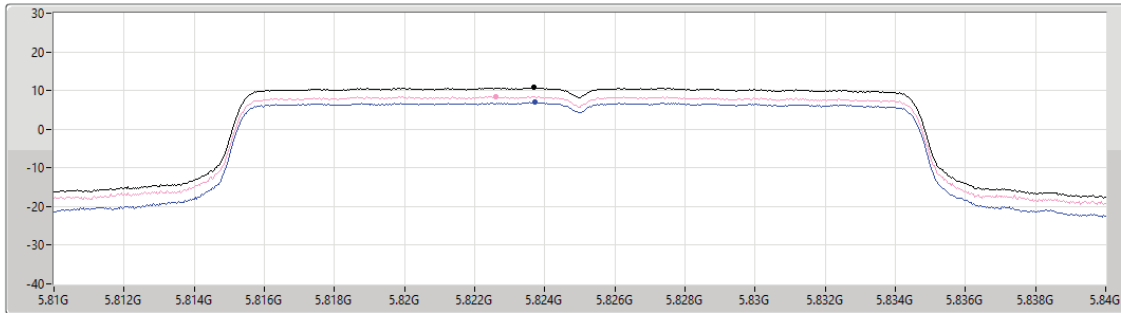
5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

24/10/2022

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.73	10.73	6.97	8.44

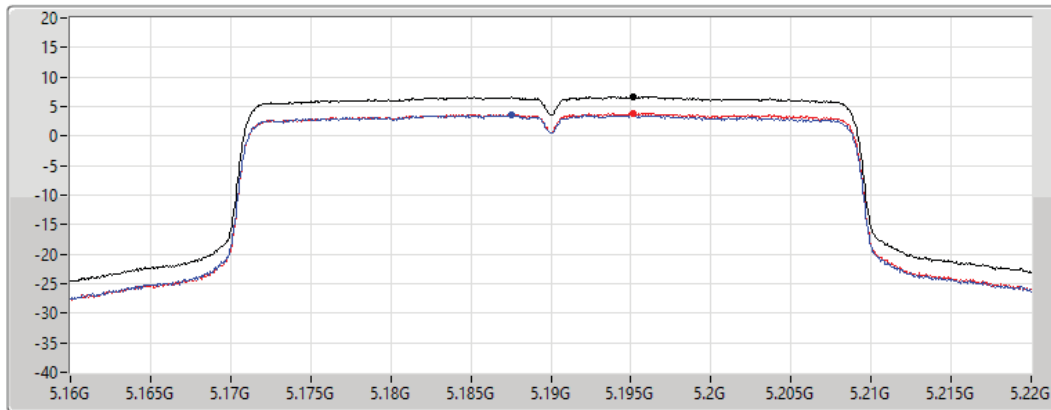
5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5190MHz

27/09/2022

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

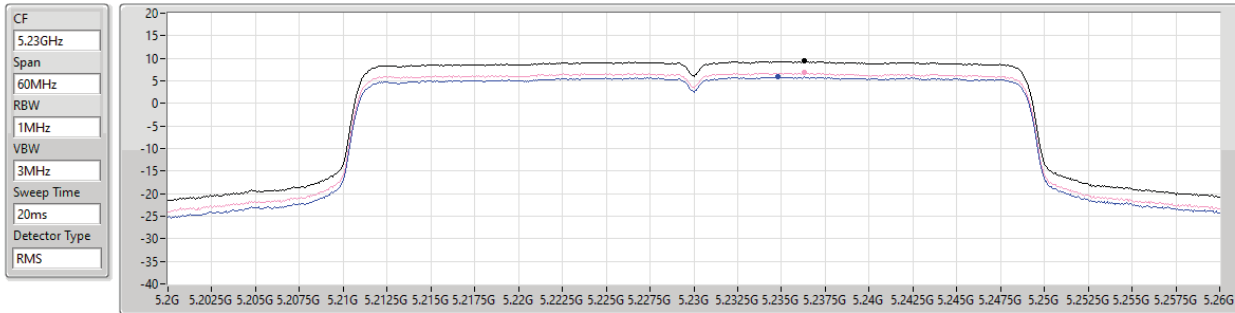
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.64	6.64	3.54	3.81

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5230MHz

24/10/2022



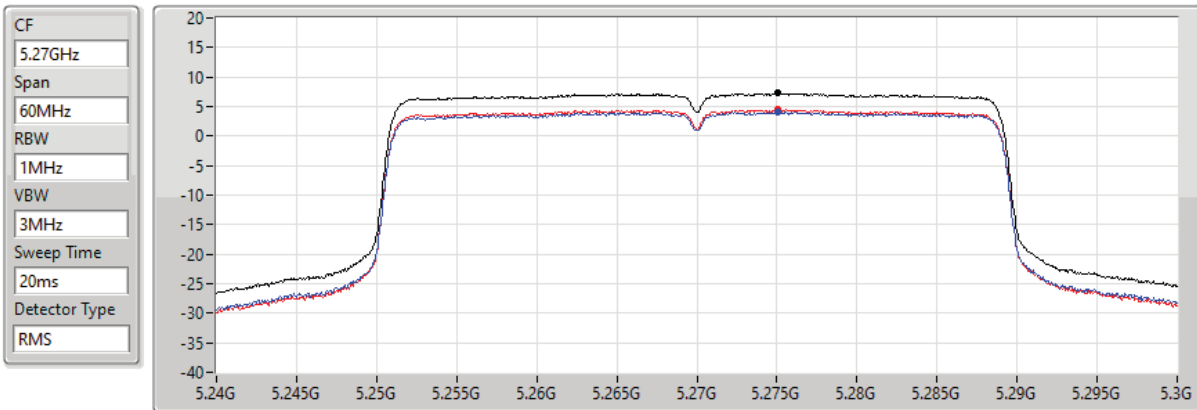
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.34	9.34	5.85	6.77

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5270MHz

27/09/2022



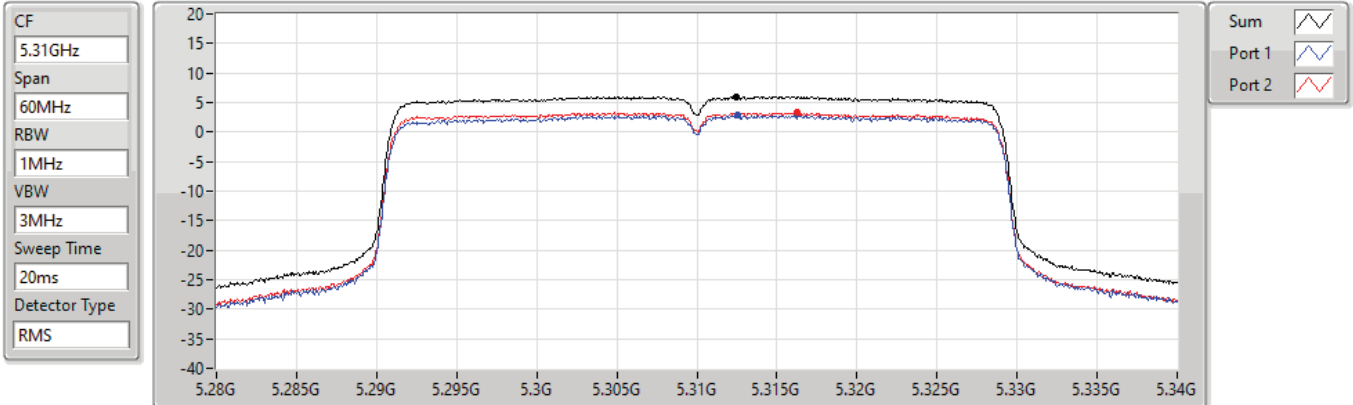
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.29	7.29	4.06	4.48

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5310MHz

27/09/2022



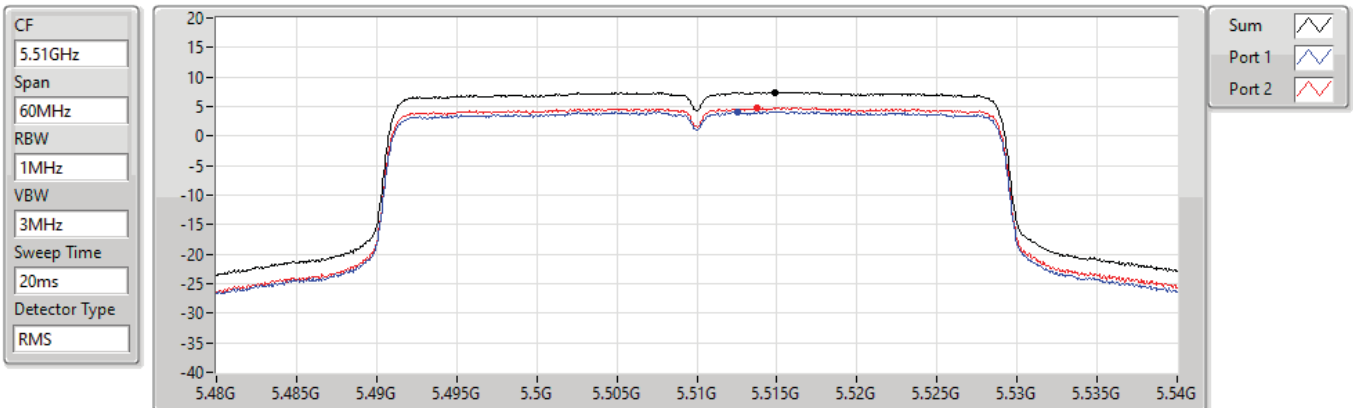
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.01	6.01	2.86	3.32

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5510MHz

27/09/2022



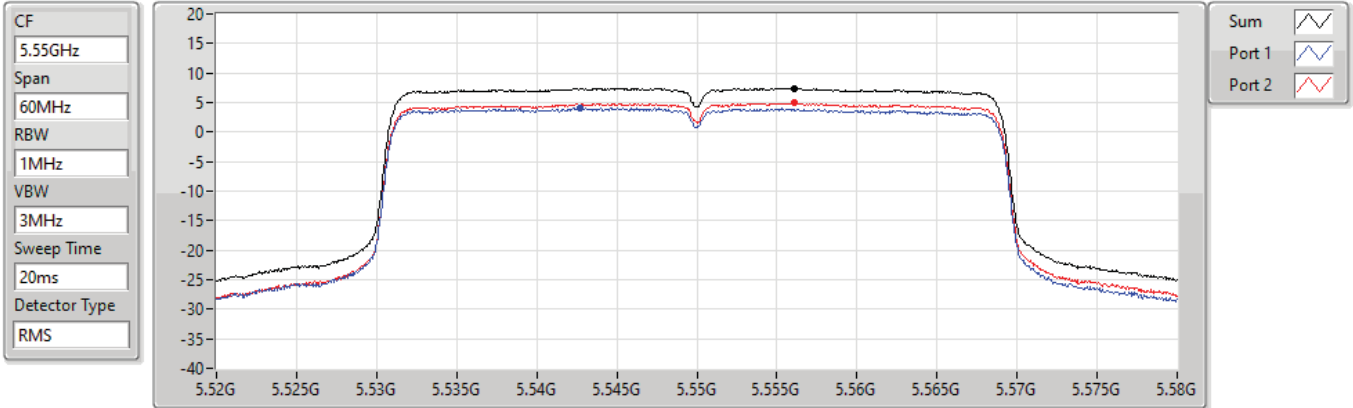
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.43	7.43	4.16	4.76

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5550MHz

27/09/2022

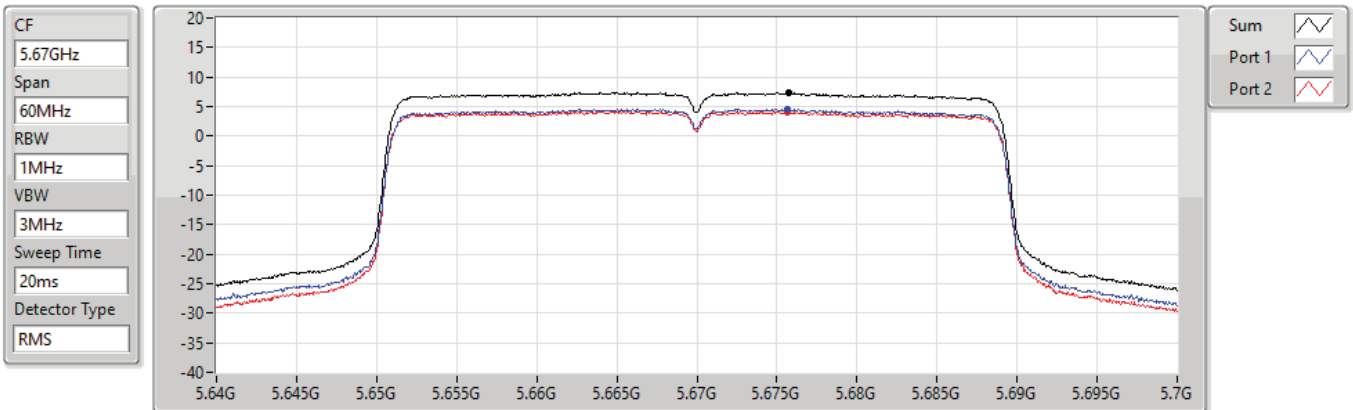


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5670MHz

27/09/2022

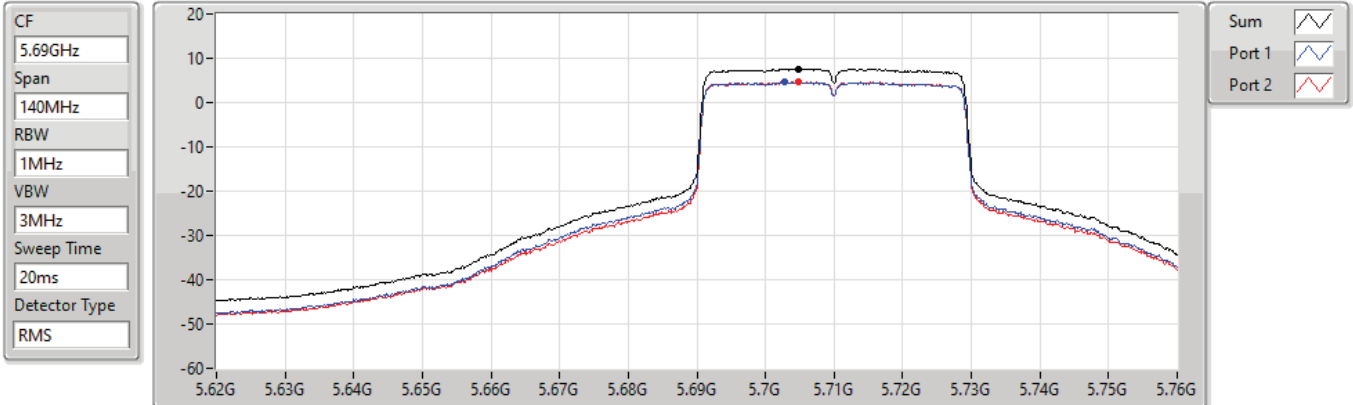


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

27/09/2022



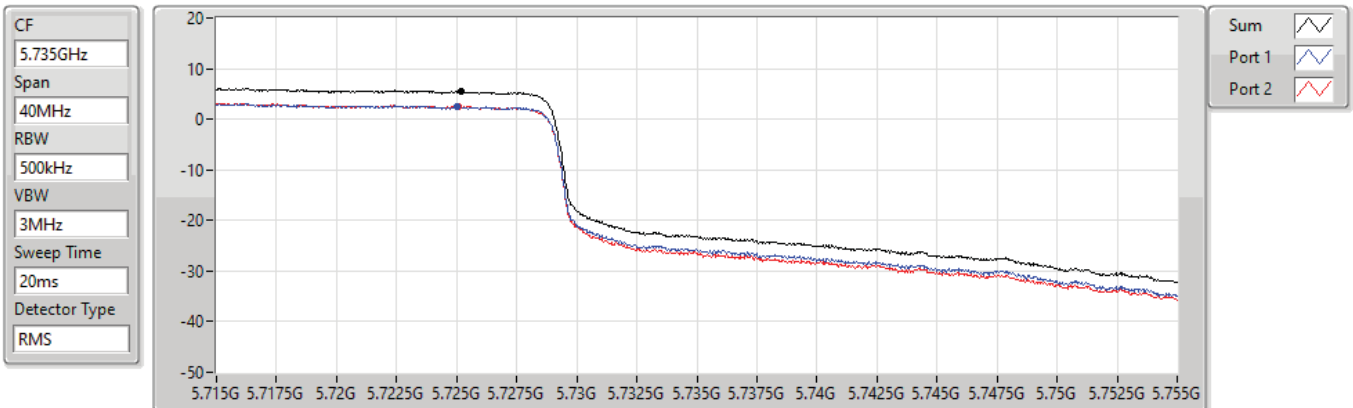
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.58	7.58	4.59	4.69

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

27/09/2022



Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
5.44	5.44	2.41	2.49

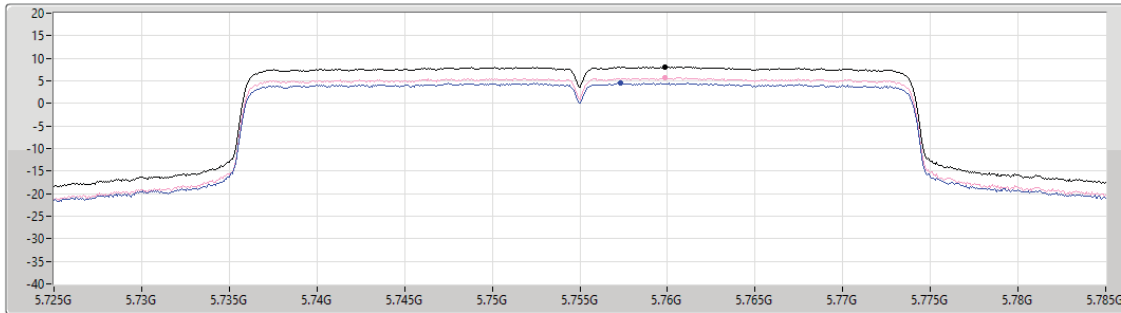
5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5755MHz

24/10/2022

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.11	8.11	4.52	5.70

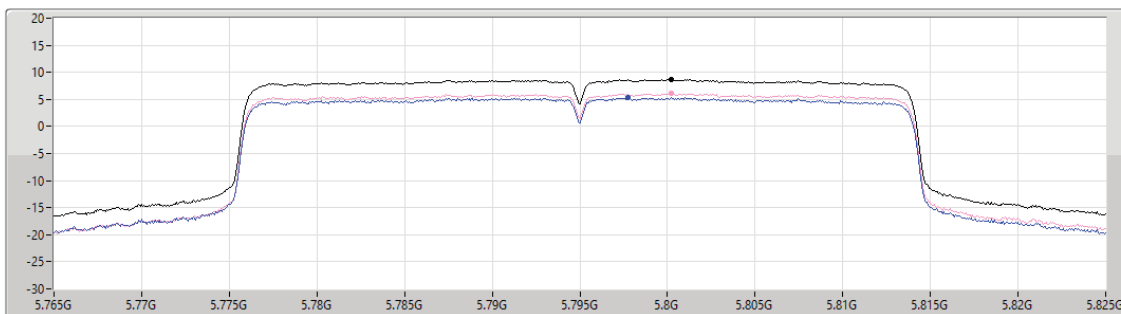
5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5795MHz

24/10/2022

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

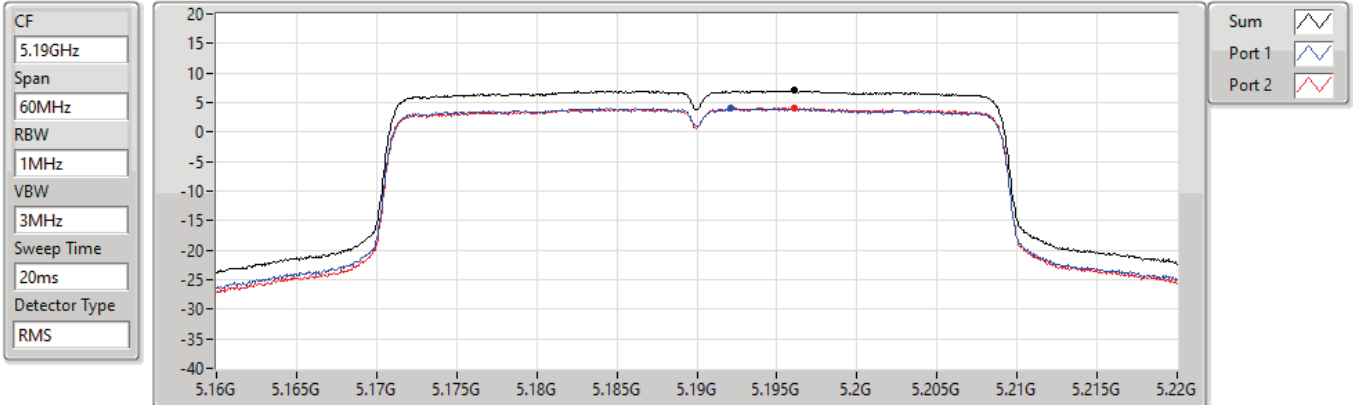
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.69	8.69	5.40	6.05

5.15-5.25GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

27/09/2022



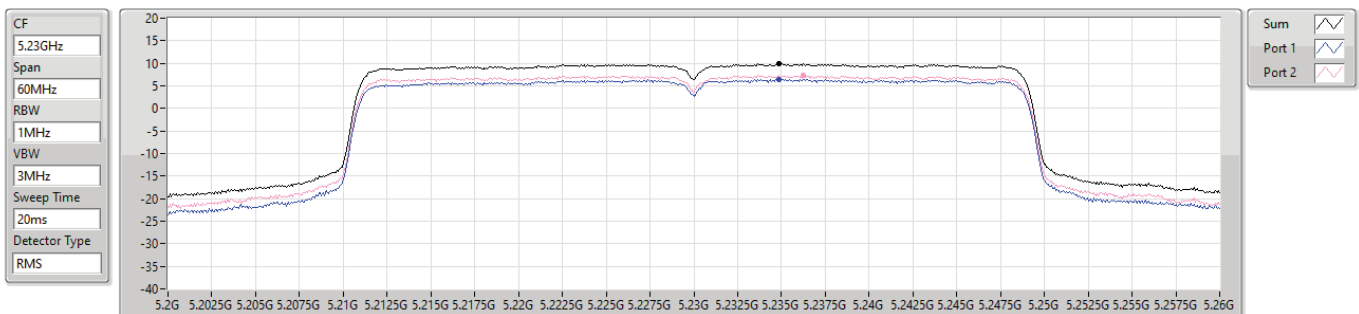
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.04	7.04	4.03	4.11

5.15-5.25GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

24/10/2022



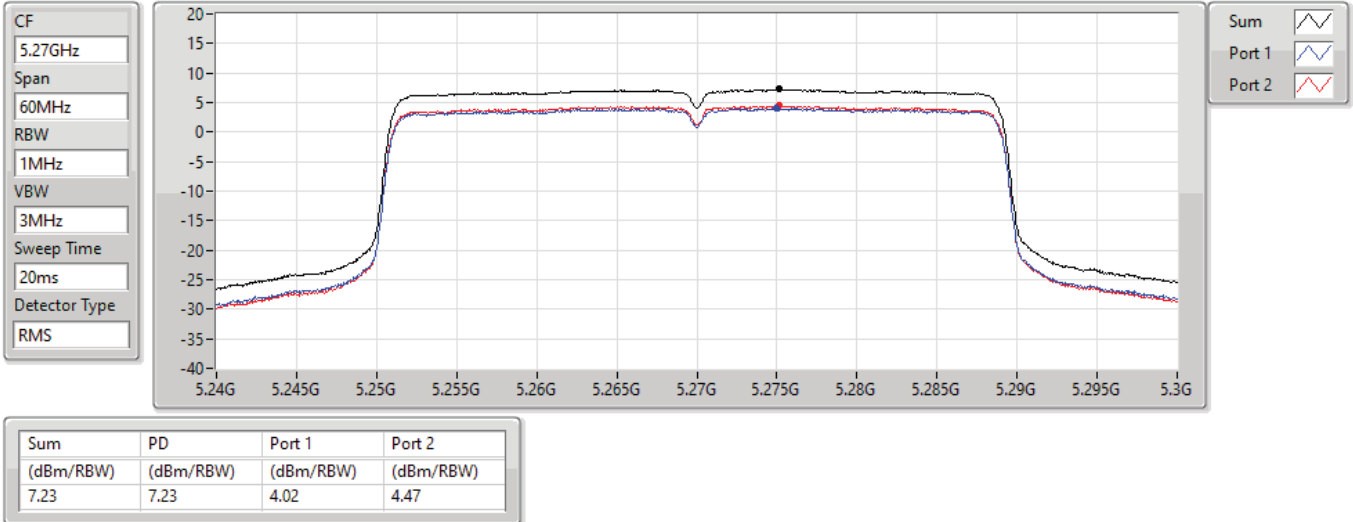
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.89	9.89	6.47	7.33

5.25-5.35GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5270MHz

27/09/2022

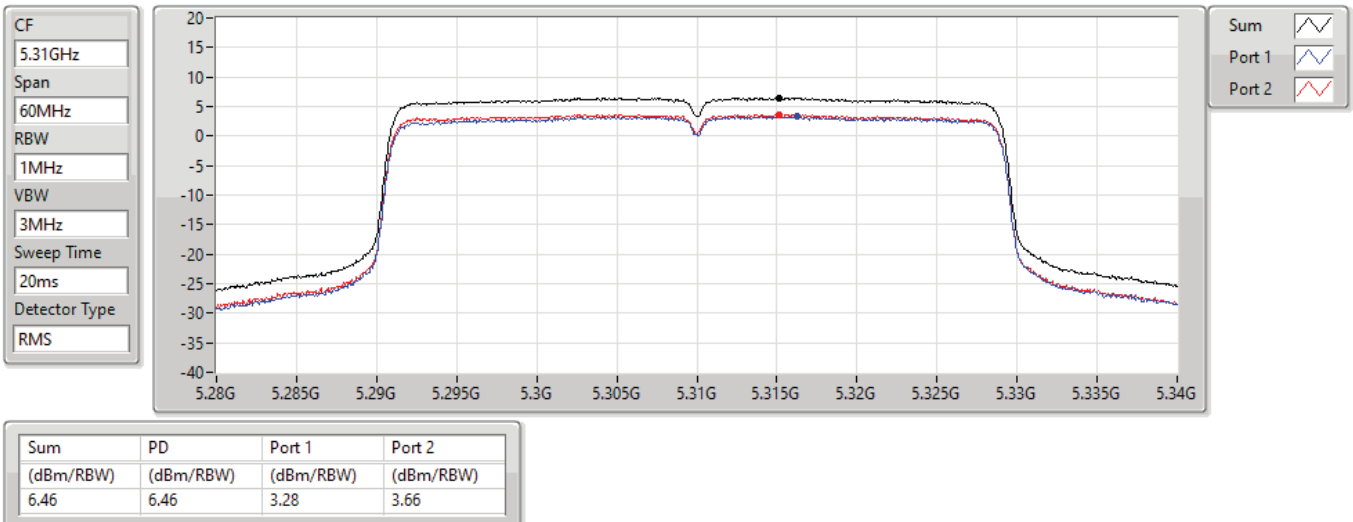


5.25-5.35GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5310MHz

27/09/2022

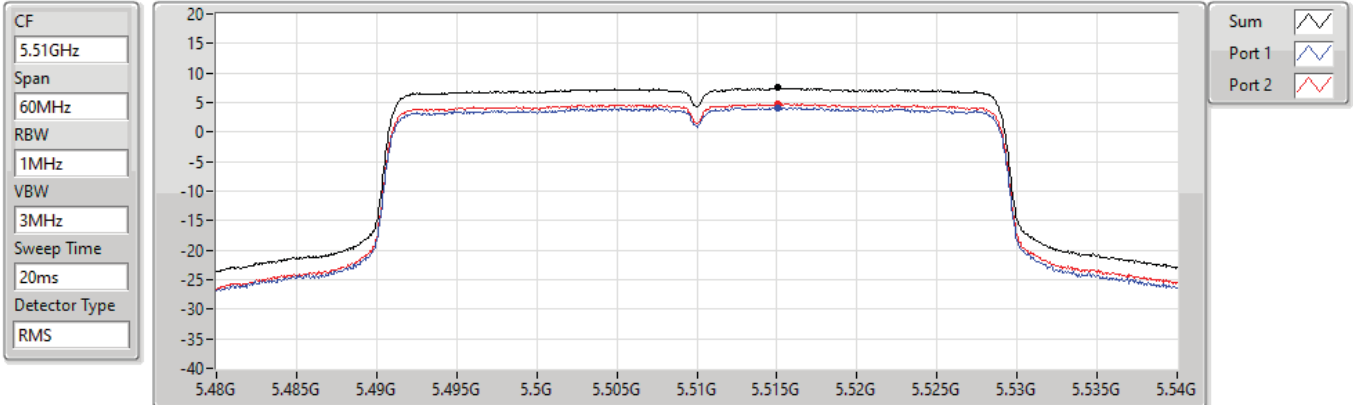


5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5510MHz

27/09/2022

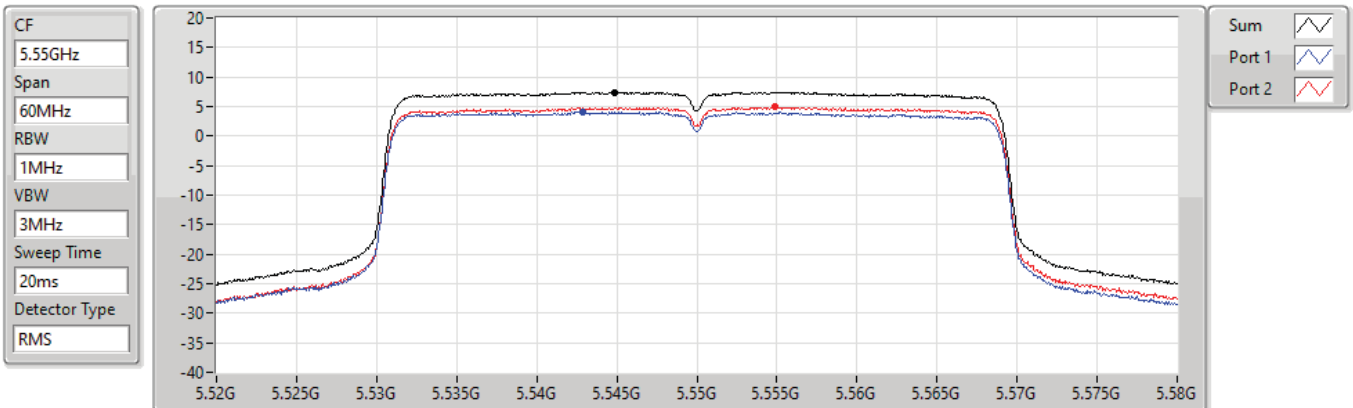


5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5550MHz

27/09/2022

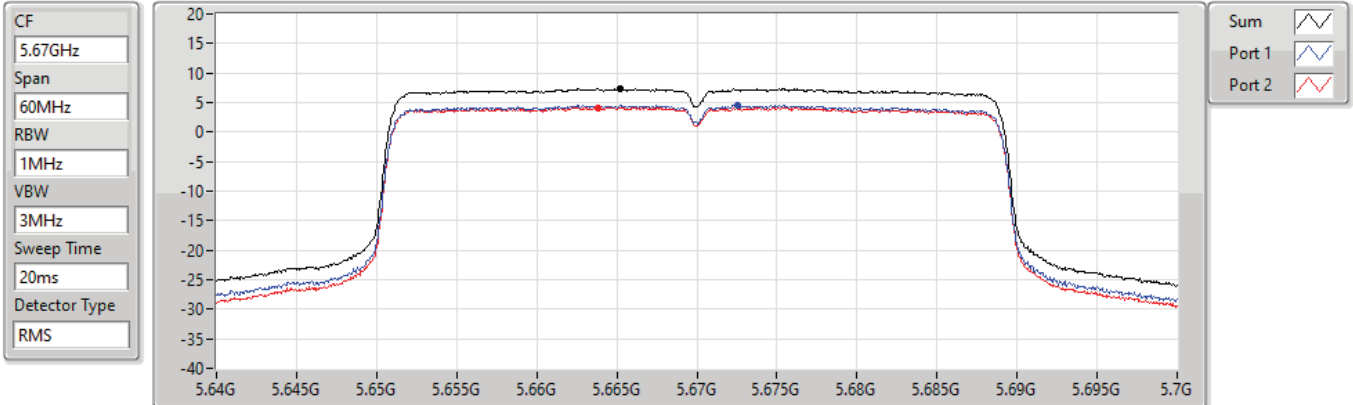


5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5670MHz

27/09/2022

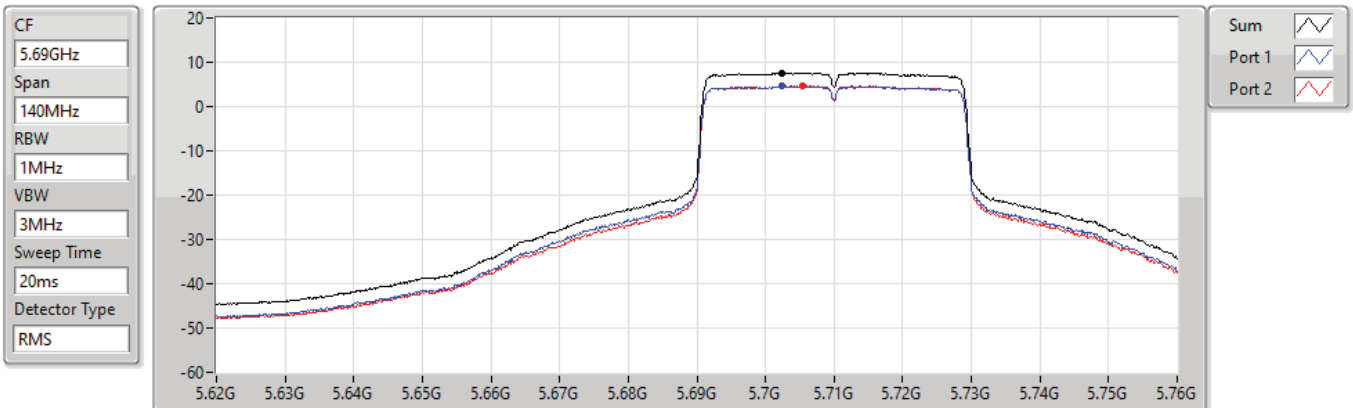


5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

27/09/2022

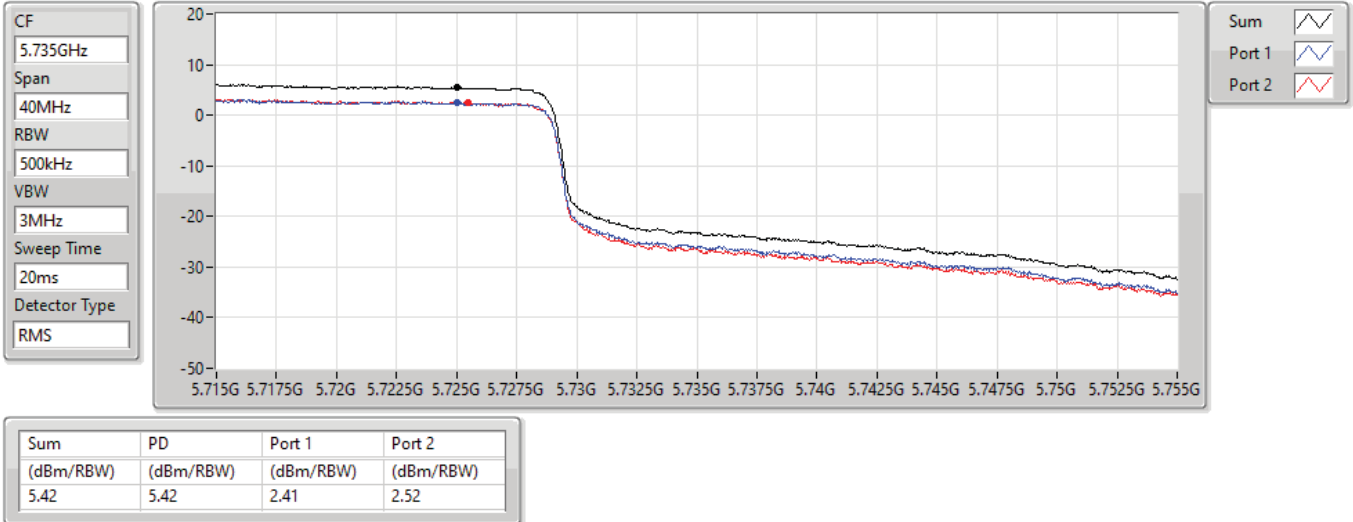


5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

27/09/2022

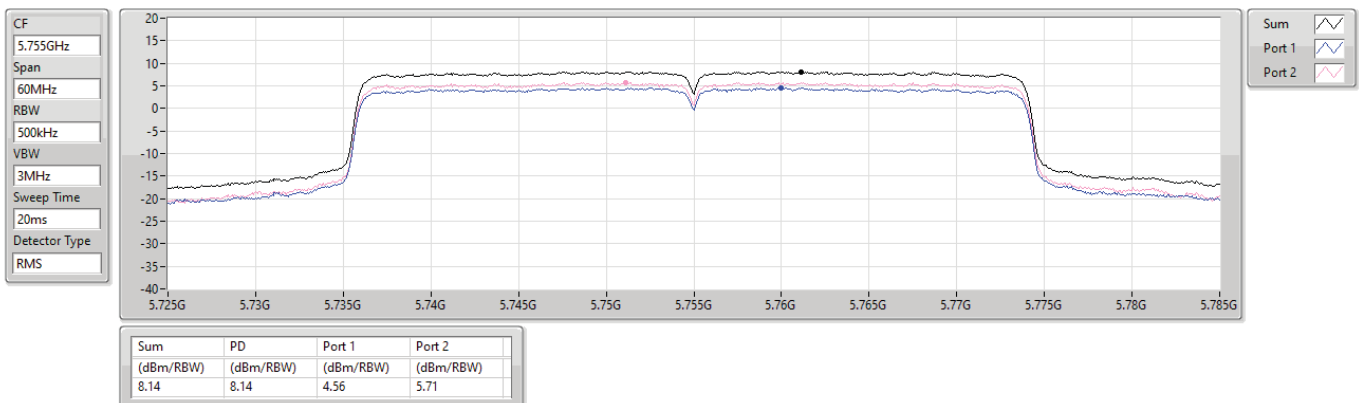


5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

24/10/2022

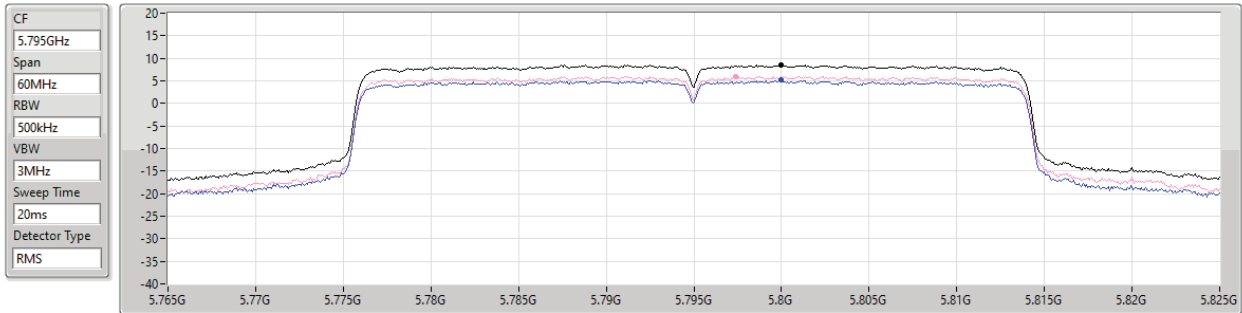


5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

24/10/2022



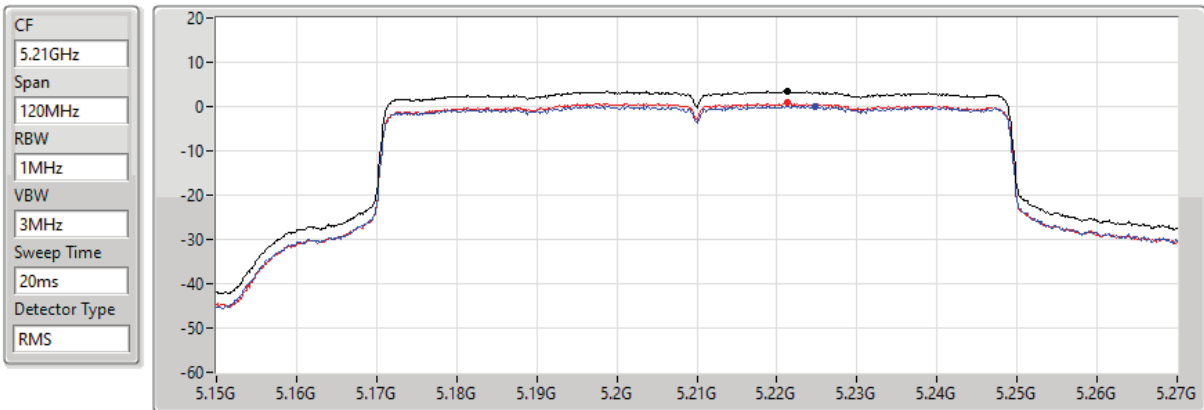
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.54	8.54	5.14	5.96

5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5210MHz

27/09/2022



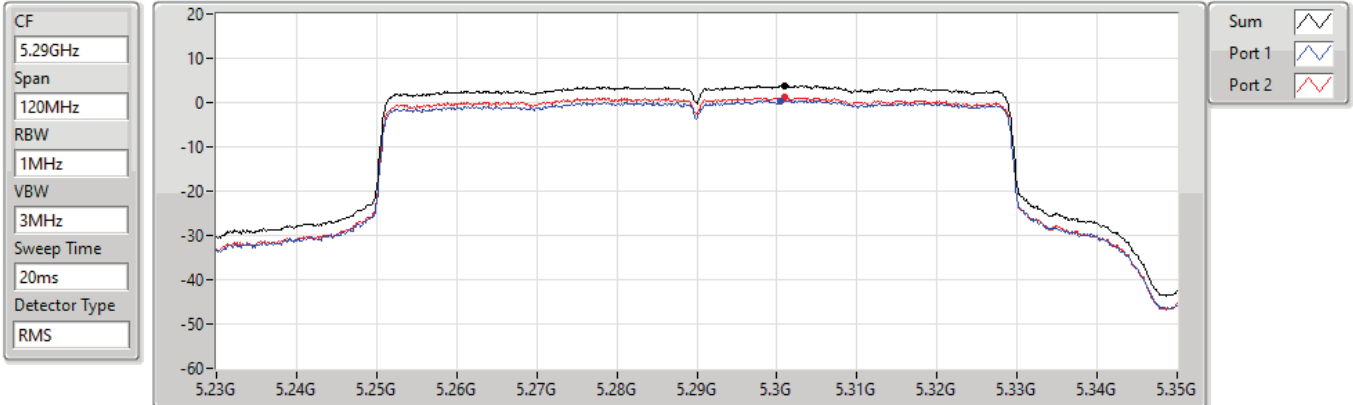
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.53	3.53	0.14	0.92

5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5290MHz

27/09/2022



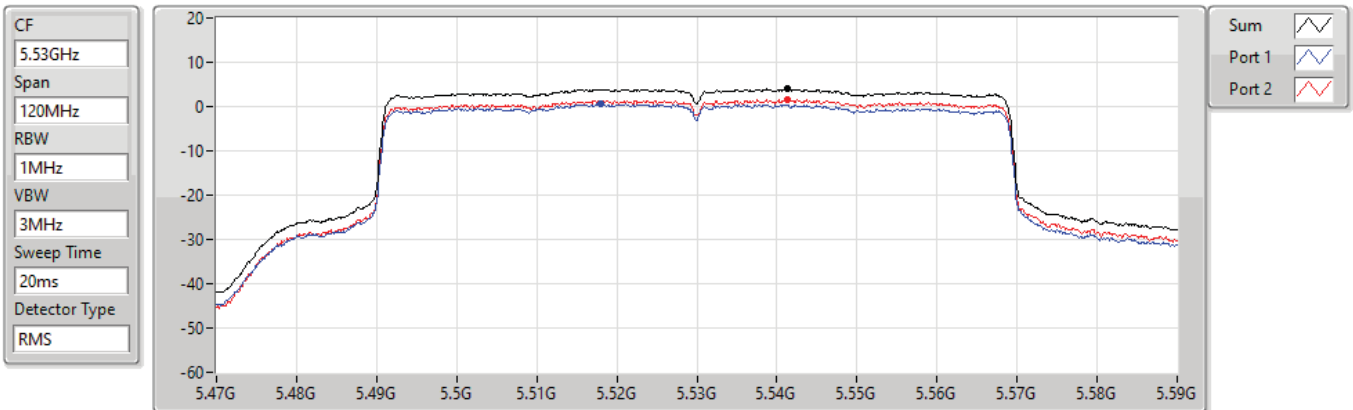
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.76	3.76	0.37	1.18

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5530MHz

27/09/2022



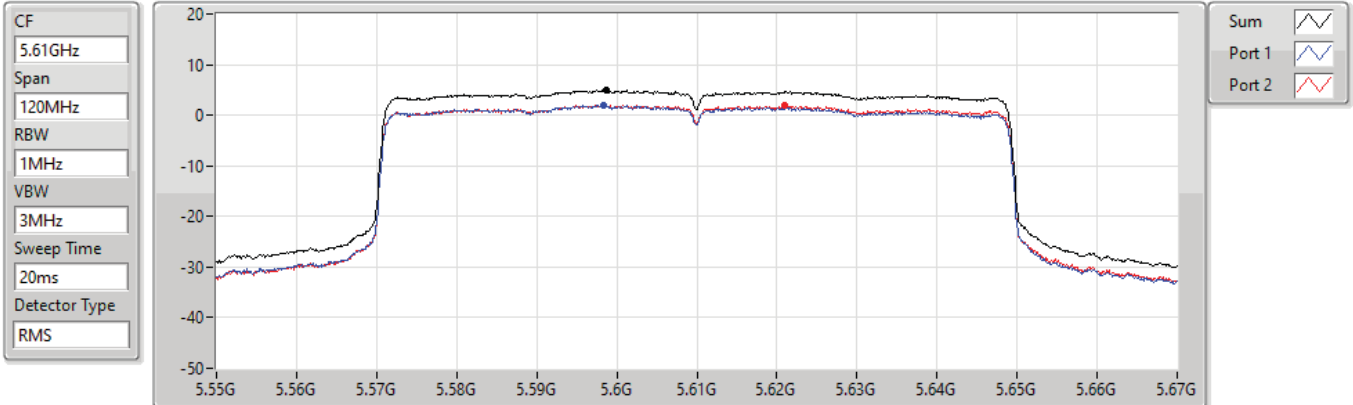
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.00	4.00	0.53	1.67

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5610MHz

27/09/2022

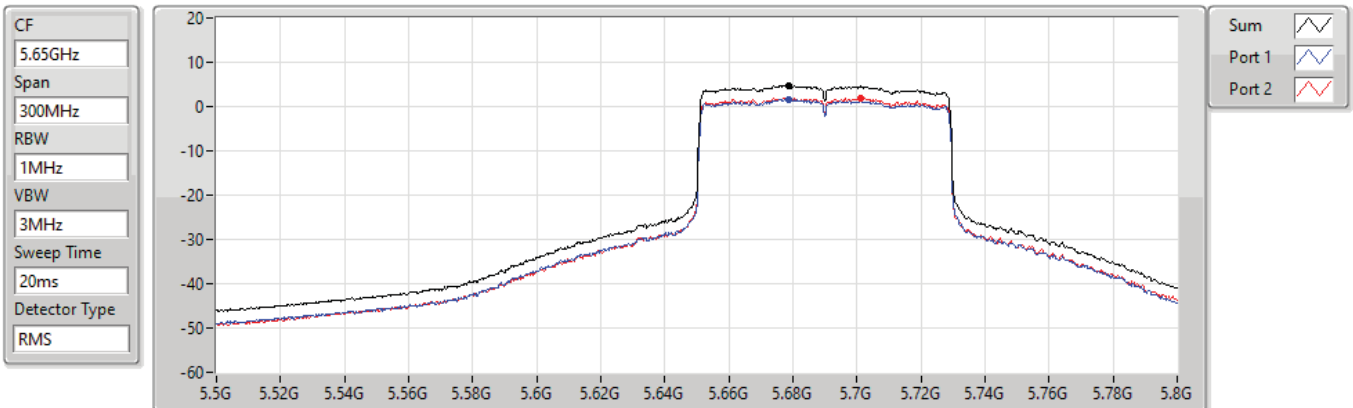


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

27/09/2022

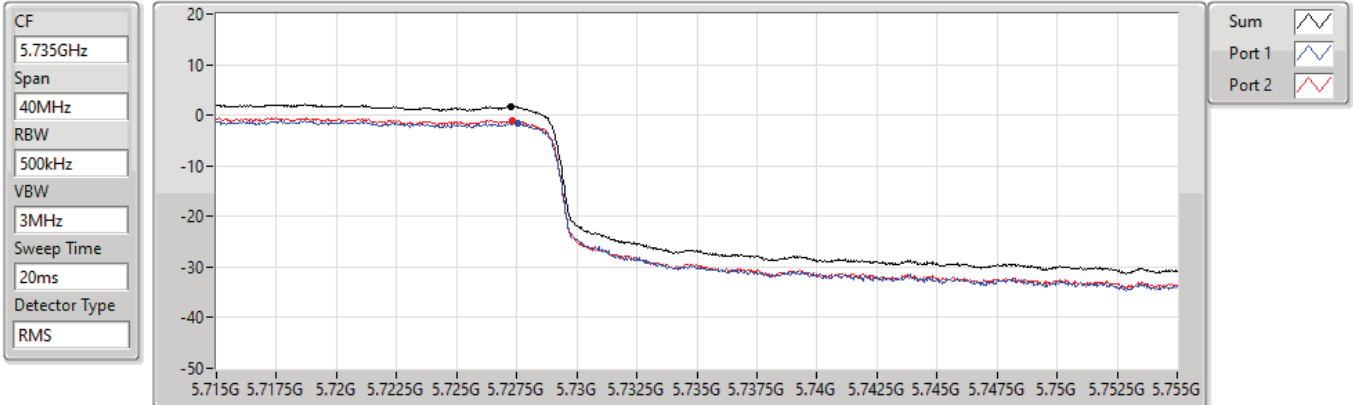


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

27/09/2022



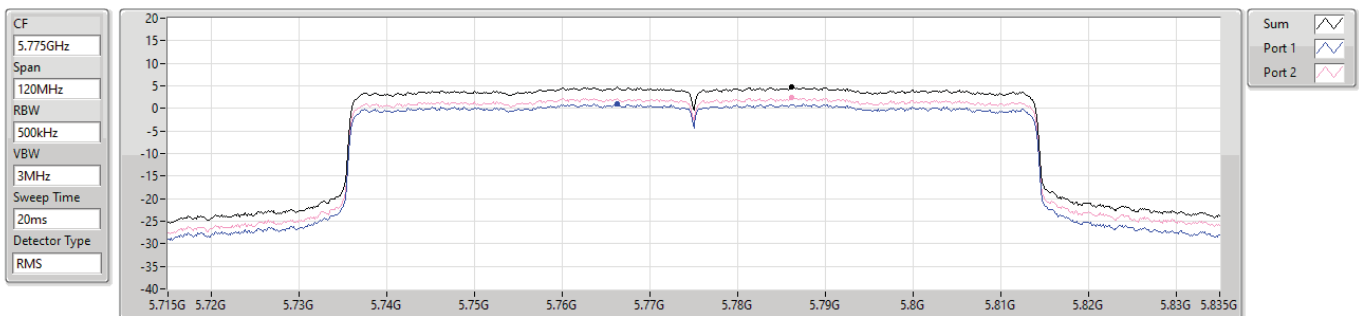
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.71	1.71	-1.47	-1.02

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz

24/10/2022



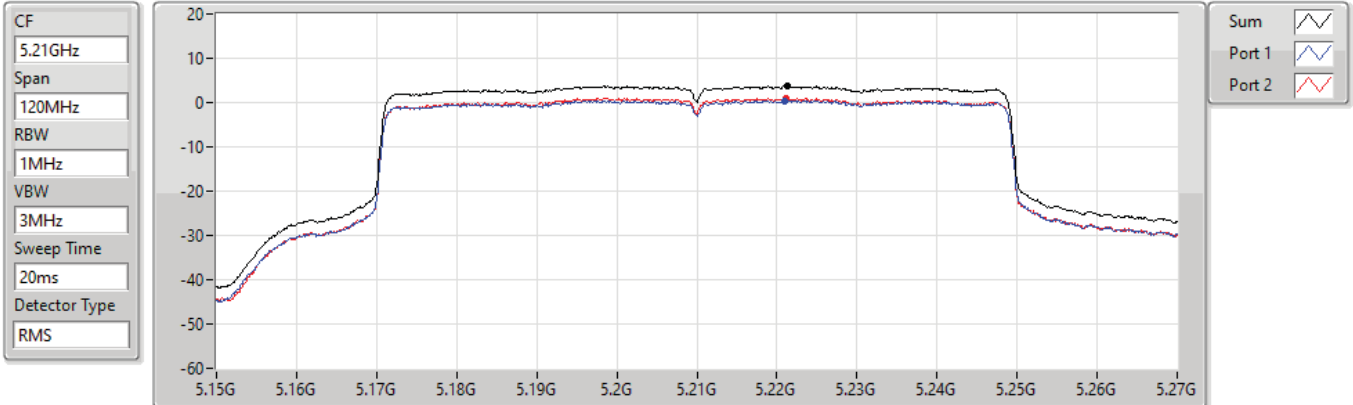
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.69	4.69	1.07	2.48

5.15-5.25GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

27/09/2022



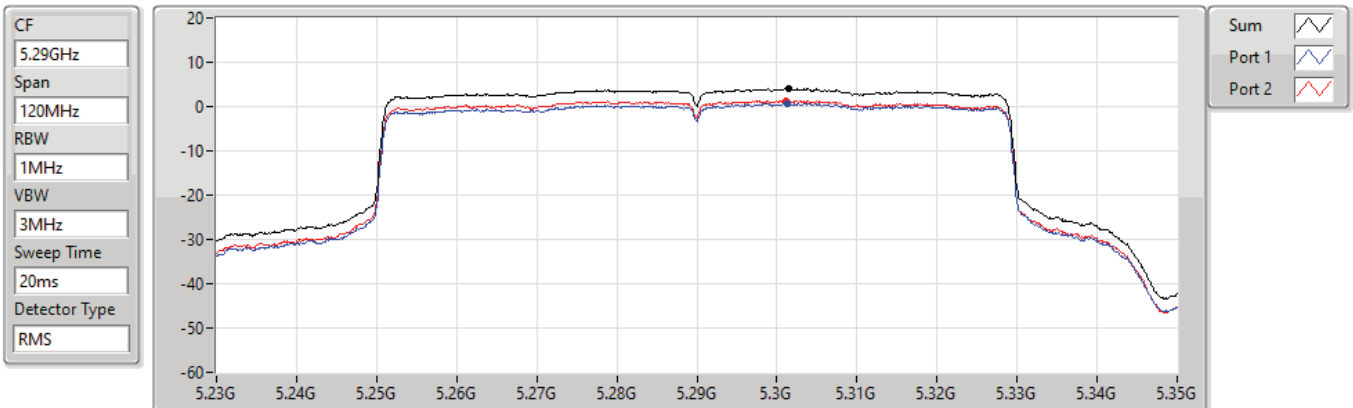
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.71	3.71	0.45	1.05

5.25-5.35GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5290MHz

27/09/2022



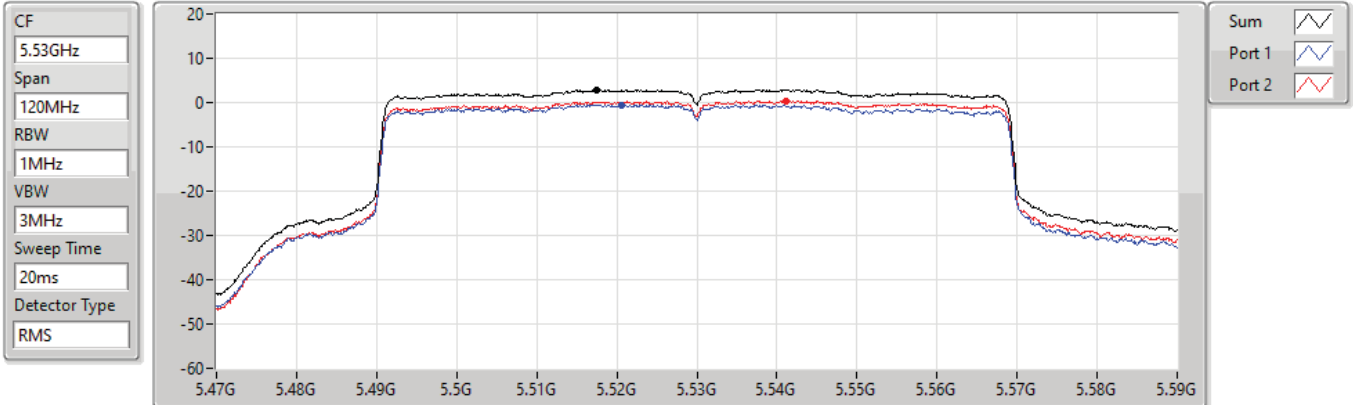
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.02	4.02	0.77	1.38

5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5530MHz

27/09/2022



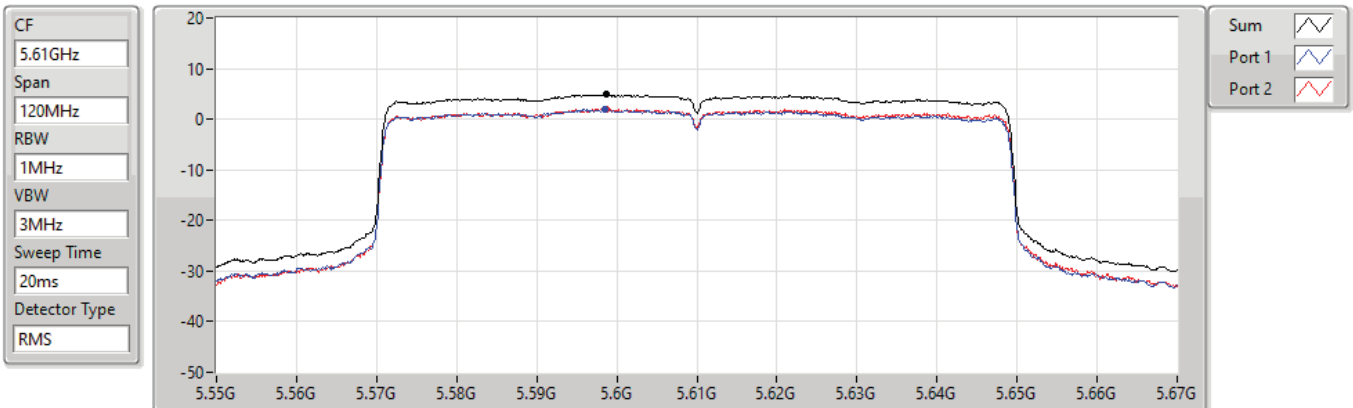
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.80	2.80	-0.55	0.46

5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5610MHz

27/09/2022



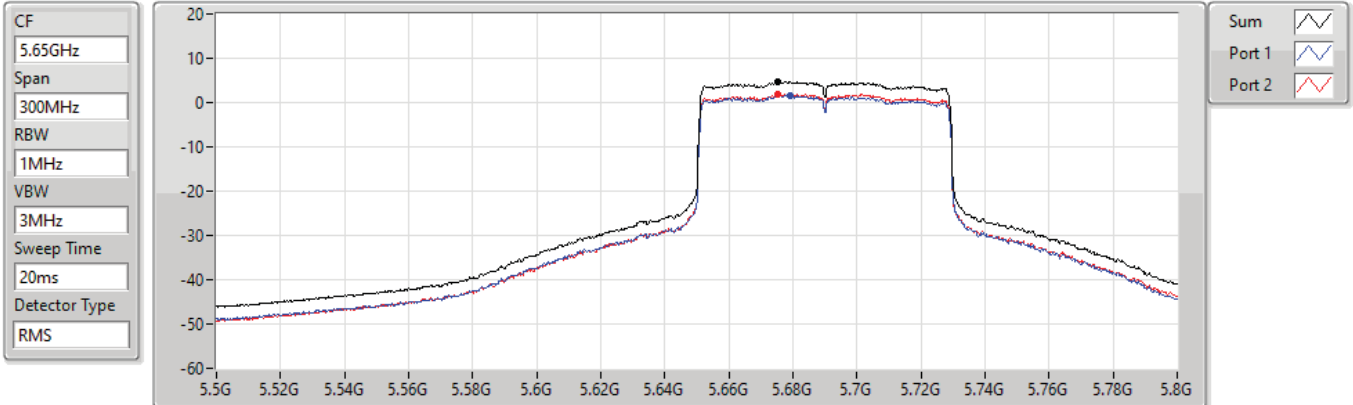
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.92	4.92	1.93	2.05

5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

27/09/2022



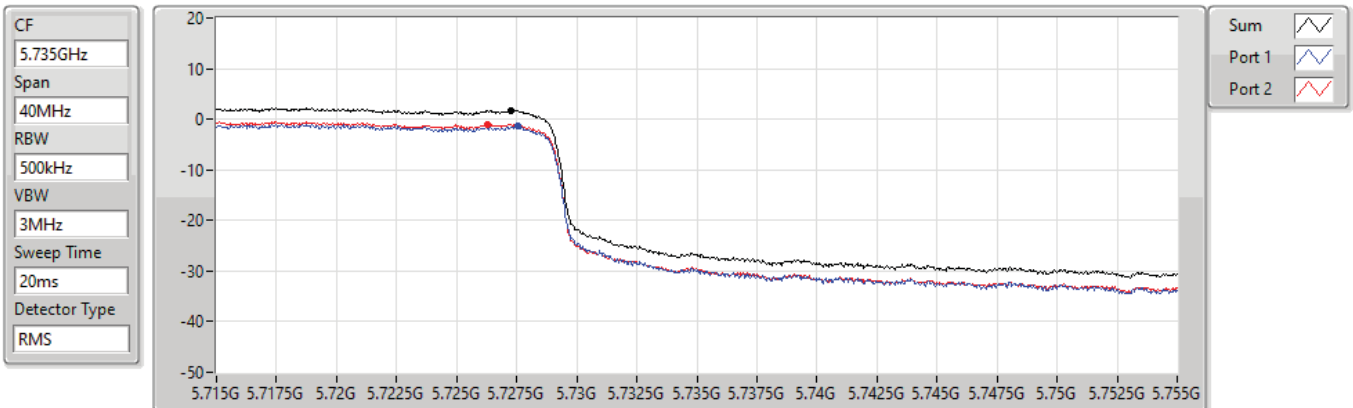
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.69	4.69	1.61	1.92

5.725-5.85GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

27/09/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.71	1.71	-1.46	-1.06

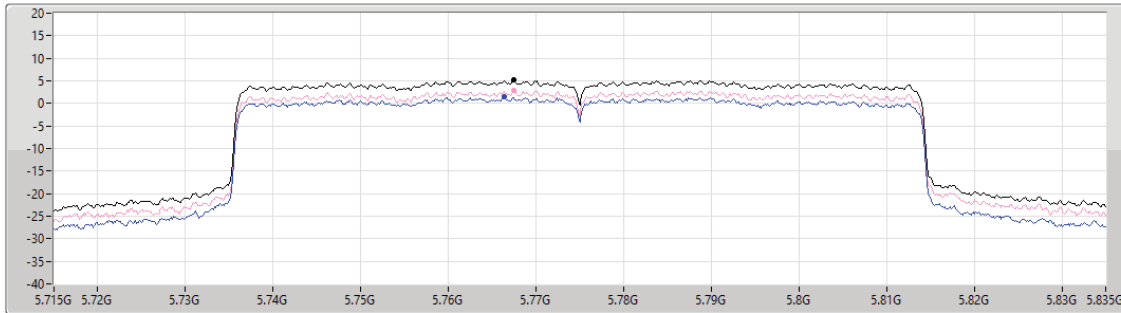
5.725-5.85GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

24/10/2022

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.20	5.20	1.47	3.00

Sum ☒
Port 1 ☒
Port 2 ☒

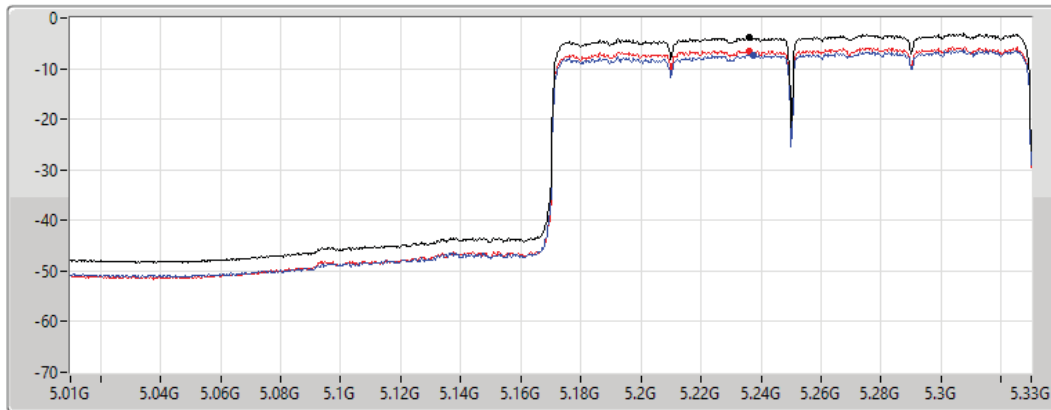
5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

PSD

5250MHz Straddle 5.15-5.25GHz

27/09/2022

CF
5.17GHz
Span
320MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.87	-3.87	-7.27	-6.43

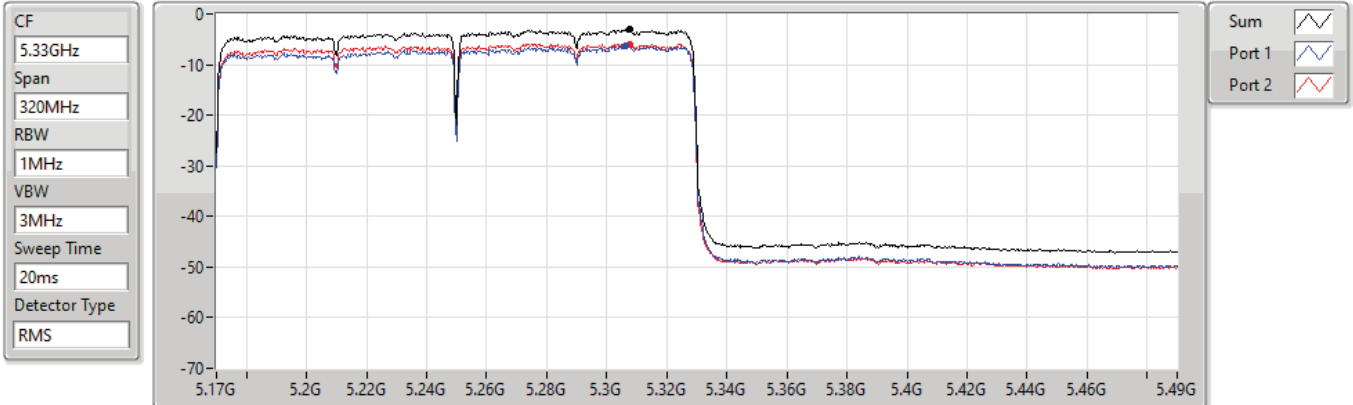
Sum ☒
Port 1 ☒
Port 2 ☒

5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

PSD

5250MHz Straddle 5.25-5.35GHz

27/09/2022



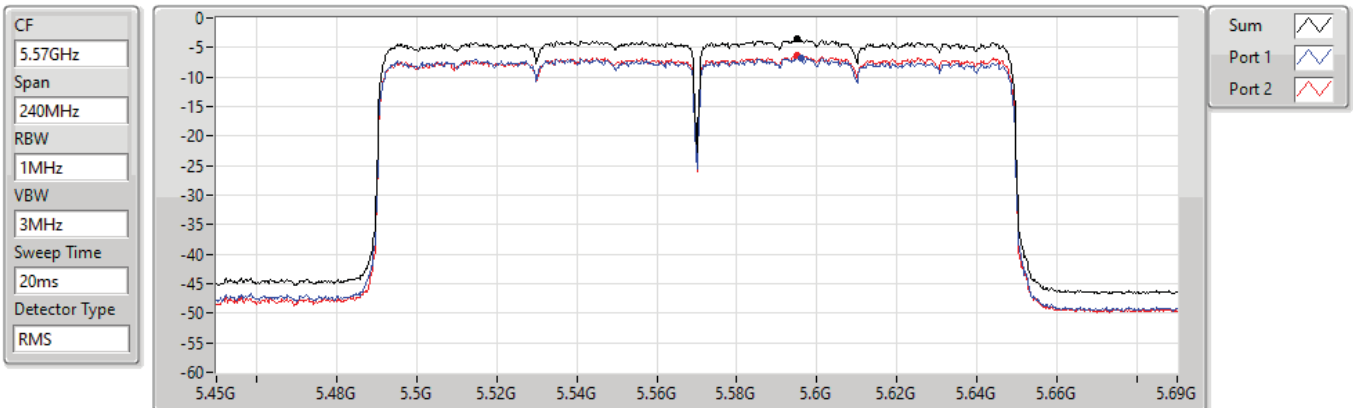
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.13	-3.13	-6.26	-5.93

5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

PSD

5570MHz

27/09/2022



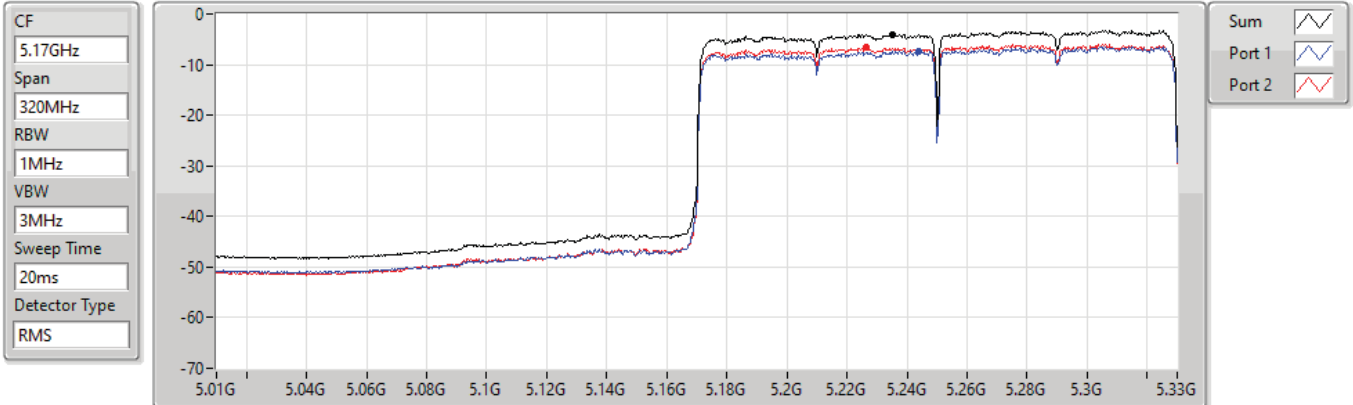
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.60	-3.60	-6.71	-6.39

5.15-5.25GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

PSD

5250MHz Straddle 5.15-5.25GHz

27/09/2022



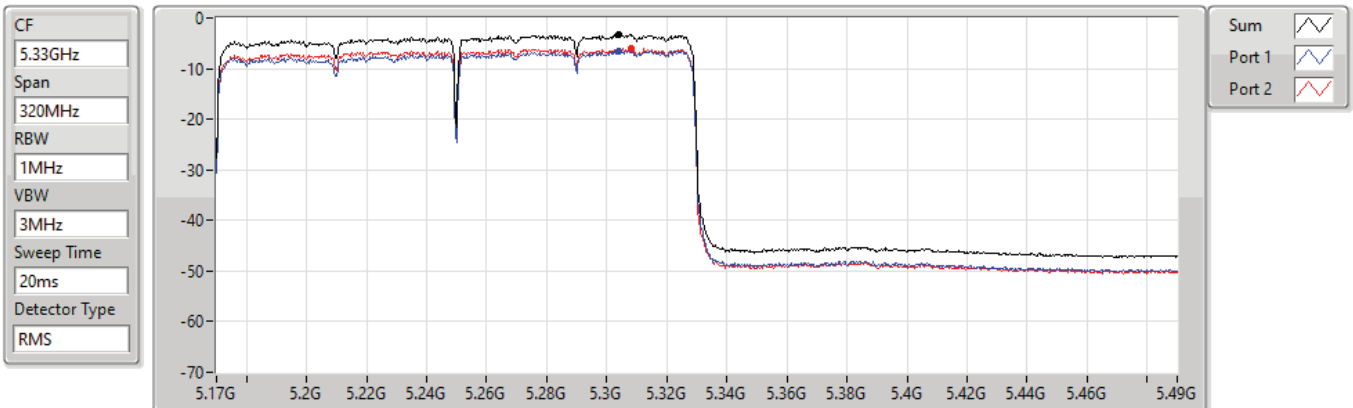
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.09	-4.09	-7.33	-6.63

5.25-5.35GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

PSD

5250MHz Straddle 5.25-5.35GHz

27/09/2022



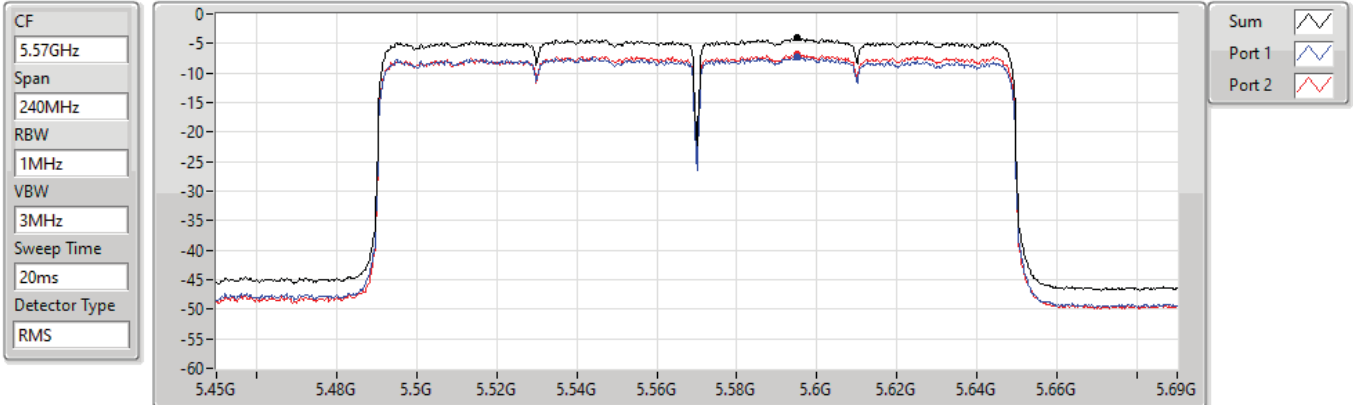
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.34	-3.34	-6.53	-6.05

5.47-5.725GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

PSD

5570MHz

27/09/2022



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.07	-4.07	-7.33	-6.84

**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	13.12	15.77
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	9.99	12.64
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	1.1	3.75
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-1.53	1.12
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	10.79	13.57
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	8.73	11.51
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	1.72	4.50
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-0.99	1.79
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	10.99	14.07
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	8.62	11.70
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	5.7	8.78
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	0.1	3.18
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	11.34	15.58
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	9.37	13.61
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	4.16	8.40

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



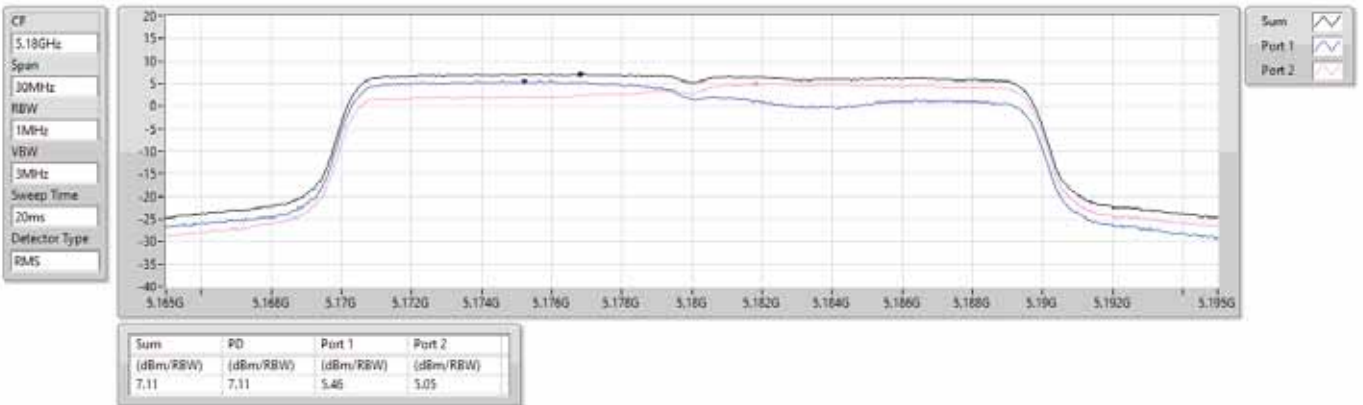
Result

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-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.65	5.46	5.05	7.11	17.00	9.76	23.00
5200MHz	Pass	2.65	9.36	9.84	12.42	17.00	15.07	23.00
5240MHz	Pass	2.65	10.58	10.17	13.12	17.00	15.77	23.00
5260MHz	Pass	2.78	8.27	8.03	10.79	11.00	13.57	17.00
5300MHz	Pass	2.78	8.43	7.73	10.70	11.00	13.48	17.00
5320MHz	Pass	2.78	8.02	7.53	10.53	11.00	13.31	17.00
5500MHz	Pass	3.08	7.88	7.45	10.43	11.00	13.51	17.00
5580MHz	Pass	3.08	9.04	7.92	10.99	11.00	14.07	17.00
5700MHz	Pass	3.08	1.54	1.86	4.23	11.00	7.31	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.08	7.56	7.76	10.63	11.00	13.71	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.24	7.61	4.85	9.00	30.00	13.24	36.00
5745MHz	Pass	4.24	8.73	8.44	11.34	30.00	15.58	36.00
5785MHz	Pass	4.24	8.59	7.63	10.17	30.00	14.41	36.00
5825MHz	Pass	4.24	8.49	8.55	10.48	30.00	14.72	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.65	3.74	3.62	5.39	17.00	8.04	23.00
5230MHz	Pass	2.65	7.86	7.94	9.99	17.00	12.64	23.00
5270MHz	Pass	2.78	7.02	5.8	8.73	11.00	11.51	17.00
5310MHz	Pass	2.78	5.53	4.93	7.33	11.00	10.11	17.00
5510MHz	Pass	3.08	6.68	5.78	8.62	11.00	11.70	17.00
5550MHz	Pass	3.08	6.57	5.58	8.02	11.00	11.10	17.00
5670MHz	Pass	3.08	5.7	5.29	6.86	11.00	9.94	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.08	5.36	5.41	7.00	11.00	10.08	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.24	2.44	2.89	5.48	30.00	9.72	36.00
5755MHz	Pass	4.24	7.75	7.18	9.37	30.00	13.61	36.00
5795MHz	Pass	4.24	7.15	6.23	8.72	30.00	12.96	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.65	-1.54	-1.44	1.10	17.00	3.75	23.00
5290MHz	Pass	2.78	-0.82	-0.2	1.72	11.00	4.50	17.00
5530MHz	Pass	3.08	-0.76	-0.22	2.02	11.00	5.10	17.00
5610MHz	Pass	3.08	2.59	1.67	4.58	11.00	7.66	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.08	2.58	3.16	5.70	11.00	8.78	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.24	0.38	0.4	3.25	30.00	7.49	36.00
5775MHz	Pass	4.24	1.38	1.3	4.16	30.00	8.40	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.65	-4.27	-4	-1.53	17.00	1.12	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	2.78	-3.07	-2.89	-0.99	11.00	1.79	17.00
5570MHz	Pass	3.08	-2.05	-1.81	0.10	11.00	3.18	17.00

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

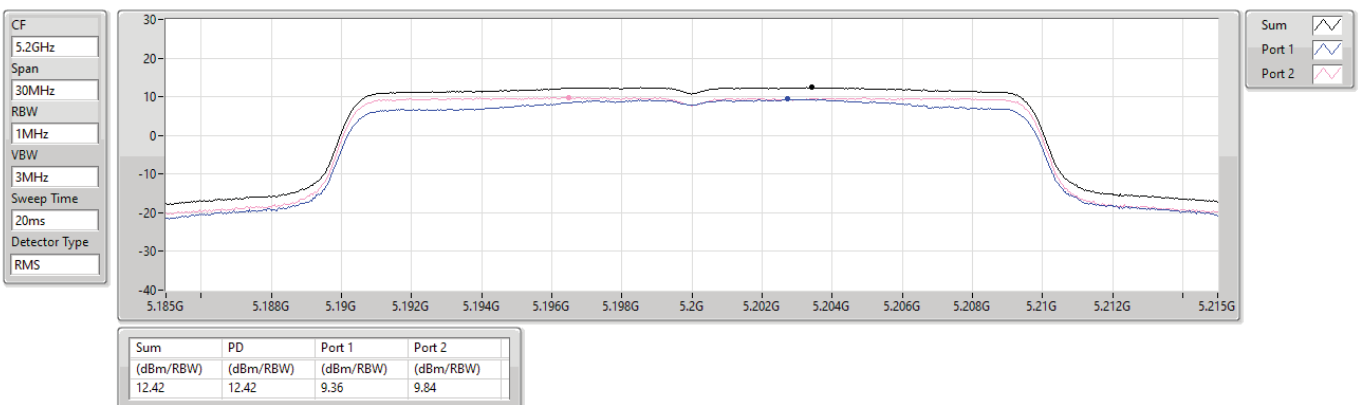
5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5180MHz



5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5200MHz



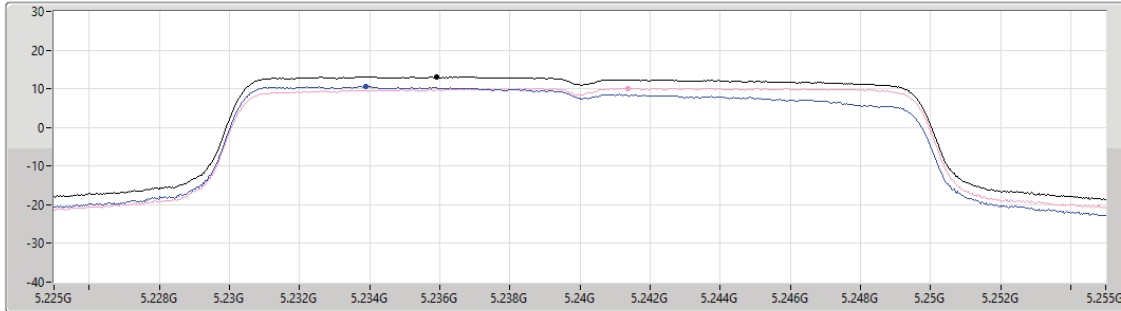
5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5240MHz

PSD

25/10/2022

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
13.12	13.12	10.58	10.17

Sum
Port 1
Port 2

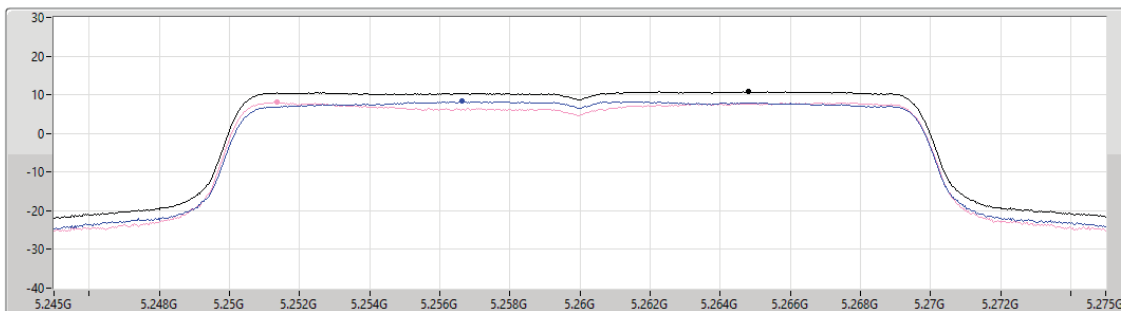
5.25-5.35GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5260MHz

PSD

25/10/2022

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
10.79	10.79	8.27	8.03

Sum
Port 1
Port 2

5.25-5.35GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5300MHz

PSD

25/10/2022

CF
5.3GHz

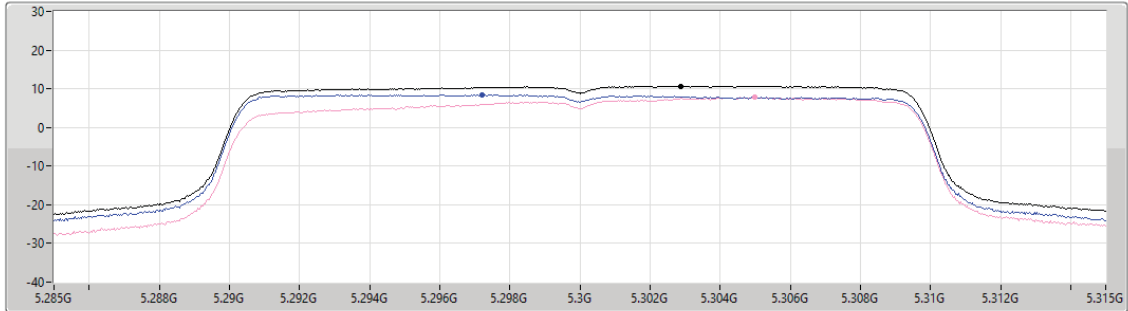
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
10.70	10.70	8.43	7.73

Sum ☒

Port 1 ☒

Port 2 ☒

5.25-5.35GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5320MHz

PSD

25/10/2022

CF
5.32GHz

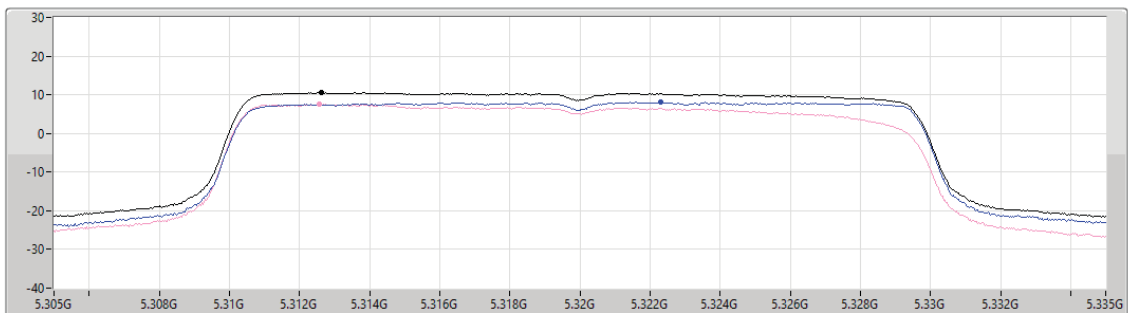
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
10.53	10.53	8.02	7.53

Sum ☒

Port 1 ☒

Port 2 ☒