

FCC Radio Test Report

FCC ID : TOR-C360
Equipment : 802.11 a/n/ac/ax + b/g/n/ax Access Point
Brand Name : Arista
Model Name : C-360
Applicant : Arista Networks, Inc.
5453 Great America Parkway, Santa Clara, CA 95054 USA
Manufacturer : Arista Networks, Inc.
5453 Great America Parkway, Santa Clara, CA 95054 USA
Standard : 47 CFR FCC Part 15.407

The product was received on Sep. 08, 2021, and testing was started from Sep. 20, 2021 and completed on Nov. 13, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Allen Lin

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TEL : 886-3-3273456
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Report Template No.: HE1-D1 Ver4.2
FCC ID: TOR-C360

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.3	15.203	Antenna Requirement	PASS	-
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	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:

The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Sam Tsai

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

<Radio2>

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20), ax (HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
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]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	4TX
5.47-5.725GHz	802.11a	20	4TX
5.725-5.85GHz	802.11a	20	4TX
5.25-5.35GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX
5.25-5.35GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW80+80	80+80	2TX(Port 1/2)
5.25-5.35GHz	802.11ax HEW80+80	80+80	2TX(Port 3/4)
5.25-5.35GHz	802.11ax HEW80+80	80+80	2TX(Port 1/2)
5.47-5.725GHz	802.11ax HEW80+80	80+80	2TX(Port 3/4)
5.47-5.725GHz	802.11ax HEW80+80	80+80	4TX

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ax HEW80+80	80+80	2TX(Port 3/4)
5.47-5.725GHz	802.11ax HEW80+80	80+80	2TX(Port 1/2)
5.725-5.85GHz	802.11ax HEW80+80	80+80	4TX

Beamforming

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.725-5.85GHz	802.11ax HEW20-BF	20	4TX
5.25-5.35GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.725-5.85GHz	802.11ax HEW40-BF	40	4TX
5.25-5.35GHz	802.11ax HEW80-BF	80	4TX
5.47-5.725GHz	802.11ax HEW80-BF	80	4TX
5.725-5.85GHz	802.11ax HEW80-BF	80	4TX
5.15-5.25GHz	802.11ax HEW80+80-BF	80+80	2TX(Port 1/2)
5.25-5.35GHz	802.11ax HEW80+80-BF	80+80	2TX(Port 3/4)
5.25-5.35GHz	802.11ax HEW80+80-BF	80+80	2TX(Port 1/2)
5.47-5.725GHz	802.11ax HEW80+80-BF	80+80	2TX(Port 3/4)
5.47-5.725GHz	802.11ax HEW80+80-BF	80+80	4TX
5.725-5.85GHz	802.11ax HEW80+80-BF	80+80	2TX(Port 3/4)
5.47-5.725GHz	802.11ax HEW80+80-BF	80+80	2TX(Port 1/2)
5.725-5.85GHz	802.11ax HEW80+80-BF	80+80	4TX

<Radio3>

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5470-5725	a, n (HT20), ac (VHT20), ax (HEW20)	5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5470-5725	n (HT40), ac (VHT40), ax (HEW40)	5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5470-5725	ac (VHT80), ax (HEW80)	5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5470-5725	ac (VHT160), ax (HEW160)	5570	114 [1]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11a	20	4TX
5.725-5.85GHz	802.11a	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW160	160	4TX

Beamforming

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.725-5.85GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.725-5.85GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11ax HEW80-BF	80	4TX
5.725-5.85GHz	802.11ax HEW80-BF	80	4TX
5.47-5.725GHz	802.11ax HEW160-BF	160	4TX

<Radio4>

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20), ax (HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
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
5.25-5.35GHz	802.11ax HEW160	160	2TX
5.47-5.725GHz	802.11ax HEW160	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 Table for 80+80 MHz Mode

Type	Channel No.	Frequency
5	58+106	5290+5530 MHz
12	138+155	5690+5775 MHz
13	42+58	5210+5290 MHz
14	106+122	5530+5610 MHz
15	122+138	5610+5690 MHz

1.1.3 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Senao	5718A0624300	PIFA	I-Pex	2.4G	1
2	Senao	5718A0625300	PIFA	I-Pex	2.4G	
3	Senao	5718A0626300	PIFA	I-Pex	2.4G	
4	Senao	5718A0627300	PIFA	I-Pex	2.4G	
5	Senao	5718A0649300	PIFA	I-Pex	5G	2
6	Senao	5718A0650300	PIFA	I-Pex	5G	
7	Senao	5718A0651300	PIFA	I-Pex	5G	
8	Senao	5718A0652300	PIFA	I-Pex	5G	
9	Senao	5718A0649300	PIFA	I-Pex	5G+6G	3
10	Senao	5718A0650300	PIFA	I-Pex	5G+6G	
11	Senao	5718A0651300	PIFA	I-Pex	5G+6G	
12	Senao	5718A0652300	PIFA	I-Pex	5G+6G	
13	Senao	5718A0631300	PIFA	I-Pex	2.4G+5G+6G	4
14	Senao	5718A0632300	PIFA	I-Pex	2.4G+5G+6G	
15	Senao	5718A0633300	Dipole	I-Pex	BT	-

Ant.	Port	Max Peak Gain (dBi)			
		2.4G	5G	6G	BT
1	1	4.18	-	-	-
2	2	4.12	-	-	-
3	3	4.24	-	-	-
4	4	4.15	-	-	-
5	1	-	6.12	-	-
6	2	-	6.29	-	-
7	3	-	5.99	-	-
8	4	-	6.18	-	-
9	1	-	6.26	6.29	-
10	2	-	5.98	5.86	-
11	3	-	6.08	6.21	-
12	4	-	5.82	6.30	-
13	1	4.22	6.23	5.81	-
14	2	4.29	5.67	5.72	-
15	1	-	-	-	5.63

Ant.	Port	Composite Gain (dBi)								
		2.4G	5G				6G			
			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	5.42	-	-	-	-	-	-	-	-
2	2									
3	3									
4	4									
5	1	-	6.65	5.37	5.57	5.16	-	-	-	-
6	2									
7	3									
8	4									
9	1	-	-	-	8.08	7.56	7.28	6.47	6.68	8.44
10	2									
11	3									
12	4									



Note 1: The EUT has fifteen antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax mode (2TX/2RX) **(Radio4)**

Ant. 13 (port 1) and Ant. 14 (port 2) could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax mode (4TX/4RX) **(Radio1)**

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 3 (port 3) and Ant. 4 (port 4) could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Only Ant. 15 (port 1) can be used as transmitting/receiving.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX) **(Radio4)**

Ant. 13 (port 1) and Ant. 14 (port 2) could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax mode (4TX/4RX) **(Radio2)**

Ant. 5 (port 1), Ant. 6 (port 2), Ant. 7 (port 3) and Ant. 8 (port 4) could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax mode (4TX/4RX) **(Radio3)**

Ant. 9 (port 1), Ant. 10 (port 2), Ant. 11 (port 3) and Ant. 12 (port 4) could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 a/ax mode (2TX/2RX) **(Radio4)**

Ant. 13 (port 1) and Ant. 14 (port 2) could transmit/receive simultaneously.

For IEEE 802.11 a/ax mode (4TX/4RX) **(Radio3)**

Ant. 9 (port 1), Ant. 10 (port 2), Ant. 11 (port 3) and Ant. 12 (port 4) could transmit/receive simultaneously.

1.1.4 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter / PoE		
EUT Function	☐	Outdoor AP	☒ Indoor AP (Radio2 & Radio3)
	☐	Fixed P2P AP	☒ Indoor Client (Radio4)
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:		

1.1.5 Mode Test Duty Cycle

Non-Beamforming_Radio2

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a_Nss1,(6Mbps)_4TX	0.952	0.21	1.976m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.942	0.26	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_4TX	0.959	0.18	5.445m	300
802.11ax HEW80_Nss1,(MCS0)_4TX	0.938	0.28	5.446m	300
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	0.948	0.23	5.445m	300
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	0.948	0.23	5.446m	300
802.11ax HEW80+80_Nss1,(MCS0)_4TX	0.948	0.23	5.446m	300

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

Non-Beamforming_Radio3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a_Nss1,(6Mbps)_4TX	0.956	0.2	1.977m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.82	0.86	5.445m	300
802.11ax HEW40_Nss1,(MCS0)_4TX	0.807	0.93	5.444m	300
802.11ax HEW80_Nss1,(MCS0)_4TX	0.82	0.86	5.444m	300
802.11ax HEW160_Nss1,(MCS0)_4TX	0.811	0.91	5.444m	300

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

Non-Beamforming_Radio4

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a_Nss1,(6Mbps)_2TX	0.943	0.25	1.977m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.919	0.37	5.445m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.922	0.35	5.445m	300
802.11ax HEW80_Nss1,(MCS0)_2TX	0.928	0.32	5.445m	300
802.11ax HEW160_Nss1,(MCS0)_2TX	0.817	0.88	5.445m	300

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

Beamforming_Radio2

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.942	0.26	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.959	0.18	5.445m	300
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.938	0.28	5.446m	300
802.11ax HEW80+80-BF_Nss1,(MCS0)_2TX(Port1&Port2)	0.948	0.23	5.445m	300
802.11ax HEW80+80-BF_Nss1,(MCS0)_2TX(Port3&Port4)	0.948	0.23	5.446m	300
802.11ax HEW80+80-BF_Nss1,(MCS0)_4TX	0.948	0.23	5.446m	300

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

Beamforming_Radio3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.82	0.86	5.445m	300
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.807	0.93	5.444m	300
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.82	0.86	5.444m	300
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.811	0.91	5.444m	300

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

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR131113AN

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

Modifications	Performance Checking
Frequency bands U-NII-2A and U-NII-2C were added	Emission Bandwidth, Maximum Conducted Output Power, Peak Power Spectral Density and Unwanted Emissions above 1GHz were evaluated

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
RF Conducted	TH06-HY	Alan Chien	20.1~26.9°C / 50~60%	01/Oct/2021~12/Nov/2021
Radiated	03CH02-HY	Jack Tang	20.9~23.9°C / 51~63%	20/Sep/2021~18/Oct/2021 08/Nov/2021~13/Nov/2021
☐ 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.				

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 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

Test Software Version	qdart_conn.win.1.0_installer_00076.1
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Non-Beamforming_Radio2

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	16.5
5300MHz	16.5
5320MHz	16
5500MHz	16
5580MHz	16.5
5700MHz	14
5720MHz Straddle 5.47-5.725GHz	18.5
5720MHz Straddle 5.725-5.85GHz	18.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	16
5300MHz	16
5320MHz	16
5500MHz	14.5
5580MHz	16.5
5700MHz	14.5
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	16
5310MHz	14
5510MHz	13
5550MHz	16
5670MHz	14.5
5710MHz Straddle 5.47-5.725GHz	17.5
5710MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	14
5530MHz	13.5

Mode	Power Setting
5610MHz	14.5
5690MHz Straddle 5.47-5.725GHz	17.5
5690MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-
#5210MHz,5290MHz	14
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-
5210MHz,#5290MHz	14
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-
#5290MHz,5530MHz	14.5
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-
5290MHz,#5530MHz	14.5
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-
#5530MHz,#5610MHz	14
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	17
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-
5610MHz,#5690MHz Straddle 5.725-5.85GHz	17
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-
#5690MHz,5775MHz Straddle 5.47-5.725GHz	15
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	15

**Non-Beamforming_Radio3**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5500MHz	15.5
5580MHz	15
5700MHz	14
5720MHz Straddle 5.47-5.725GHz	15
5720MHz Straddle 5.725-5.85GHz	15
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5500MHz	14
5580MHz	15
5700MHz	12.5
5720MHz Straddle 5.47-5.725GHz	15
5720MHz Straddle 5.725-5.85GHz	15
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5510MHz	14
5550MHz	16
5670MHz	14
5710MHz Straddle 5.47-5.725GHz	16.5
5710MHz Straddle 5.725-5.85GHz	16.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5530MHz	13
5610MHz	14.5
5690MHz Straddle 5.47-5.725GHz	16
5690MHz Straddle 5.725-5.85GHz	16
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5570MHz	12.5

**Non-Beamforming_Radio4**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	19
5300MHz	19
5320MHz	16.5
5500MHz	16.5
5580MHz	17.5
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	19
5300MHz	19
5320MHz	16
5500MHz	15
5580MHz	17.5
5700MHz	15.5
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	19
5310MHz	15
5510MHz	14
5550MHz	18.5
5670MHz	16
5710MHz Straddle 5.47-5.725GHz	20.5
5710MHz Straddle 5.725-5.85GHz	20.5
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	15
5530MHz	14.5
5610MHz	16.5
5690MHz Straddle 5.47-5.725GHz	19
5690MHz Straddle 5.725-5.85GHz	19
802.11ax HEW160_Nss1,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	15

Mode	Power Setting
5250MHz Straddle 5.25-5.35GHz	15
5570MHz	15

2.2 The Worst Case Measurement Configuration

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		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V (Radio2,3)		V (Radio4)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4G(Radio1)+WLAN 5G(Radio2)+WLAN 5G(Radio3)+WLAN 2.4G(Radio4)+Bluetooth
2	WLAN 2.4G(Radio1)+WLAN 5G(Radio2)+WLAN 5G(Radio3)+WLAN 5G(Radio4)+Bluetooth
3	WLAN 2.4G(Radio1)+WLAN 5G(Radio2)+WLAN 5G(Radio3)+WLAN 6G(Radio4)+Bluetooth
4	WLAN 2.4G(Radio1)+WLAN 5G(Radio2)+WLAN 6G(Radio3)+WLAN 2.4G(Radio4)+Bluetooth
5	WLAN 2.4G(Radio1)+WLAN 5G(Radio2)+WLAN 6G(Radio3)+WLAN 5G(Radio4)+Bluetooth
6	WLAN 2.4G(Radio1)+WLAN 5G(Radio2)+WLAN 6G(Radio3)+WLAN 6G(Radio4)+Bluetooth
Refer to Sporton Test Report No.: FA131113-01 for Co-location RF Exposure Evaluation.	

2.3 Accessories

Accessories				
Bracket ceiling mount	Brand Name	CEN JEY	Model Name	6301A4653010

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

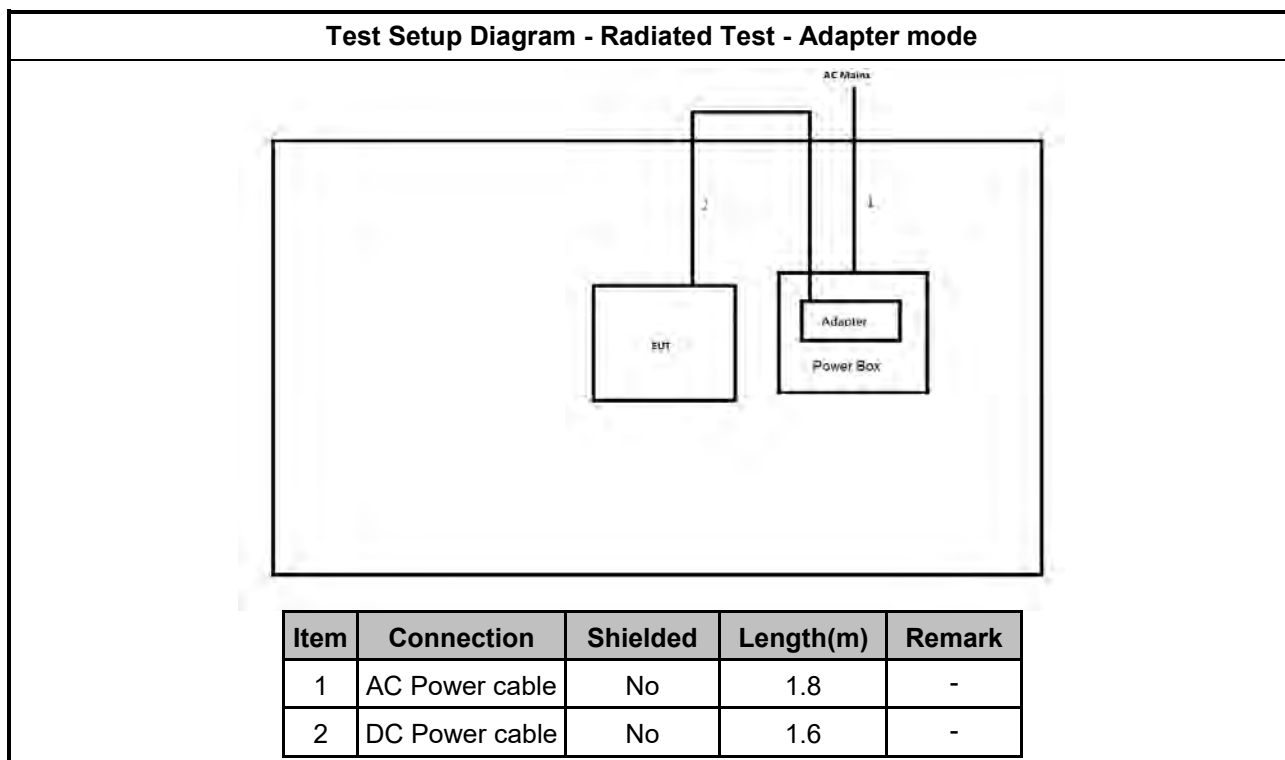
2.4 Support Equipment

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 Cable	Power Sync	CAT-6E-10	-	-
2	AC Adapter	Powertron Electronics Corp.	PA1045-12HIB330	-	Note 1

Note 1: Provided by Customer

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 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.

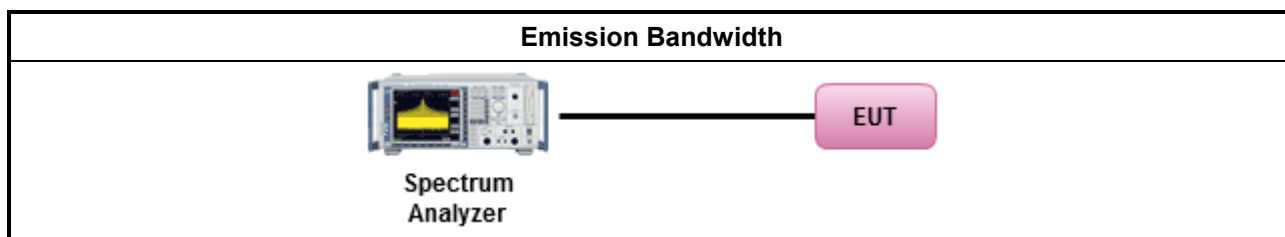
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	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.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 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.	

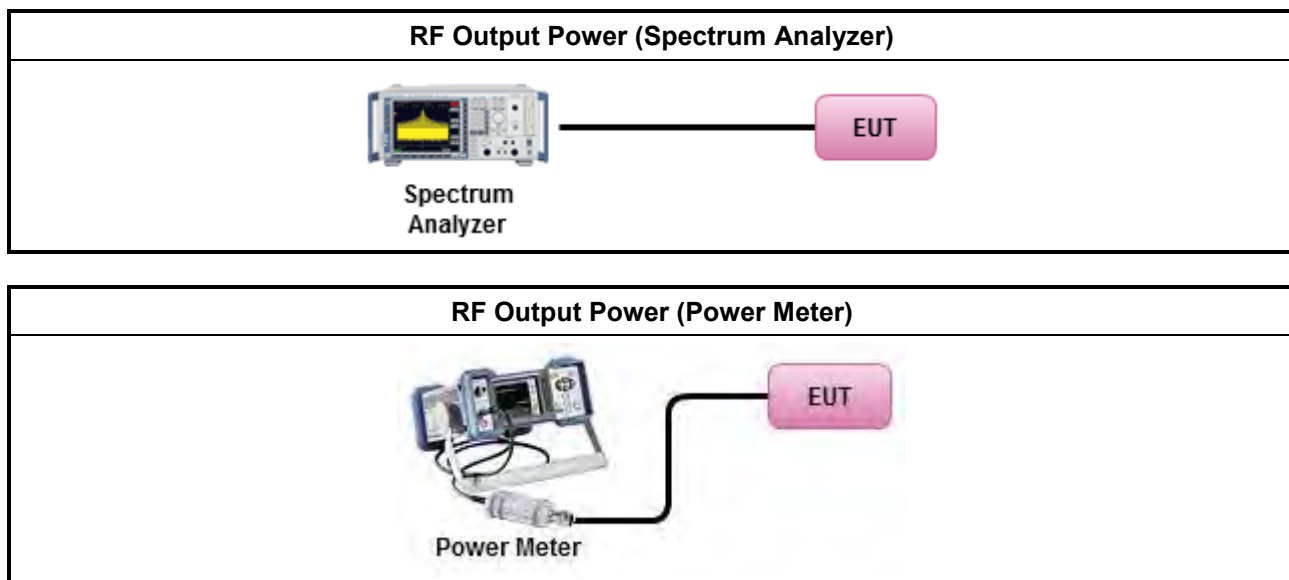
3.2.2 Measuring Instruments

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

3.2.3 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: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 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 the 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.	

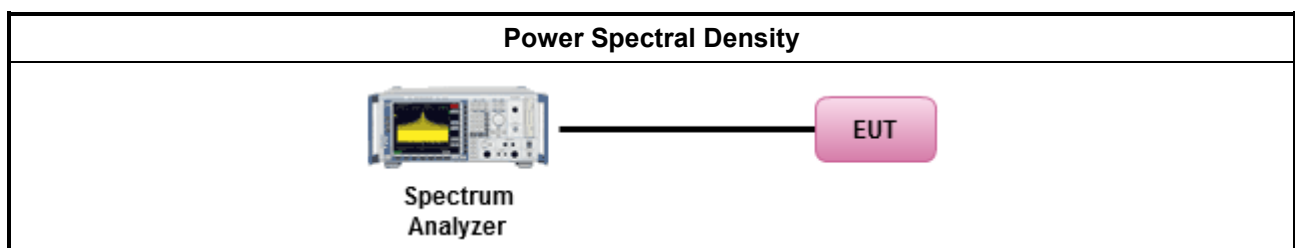
3.3.2 Measuring Instruments

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

3.3.3 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]) $EIRP_{total} = PPSD_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 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).

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

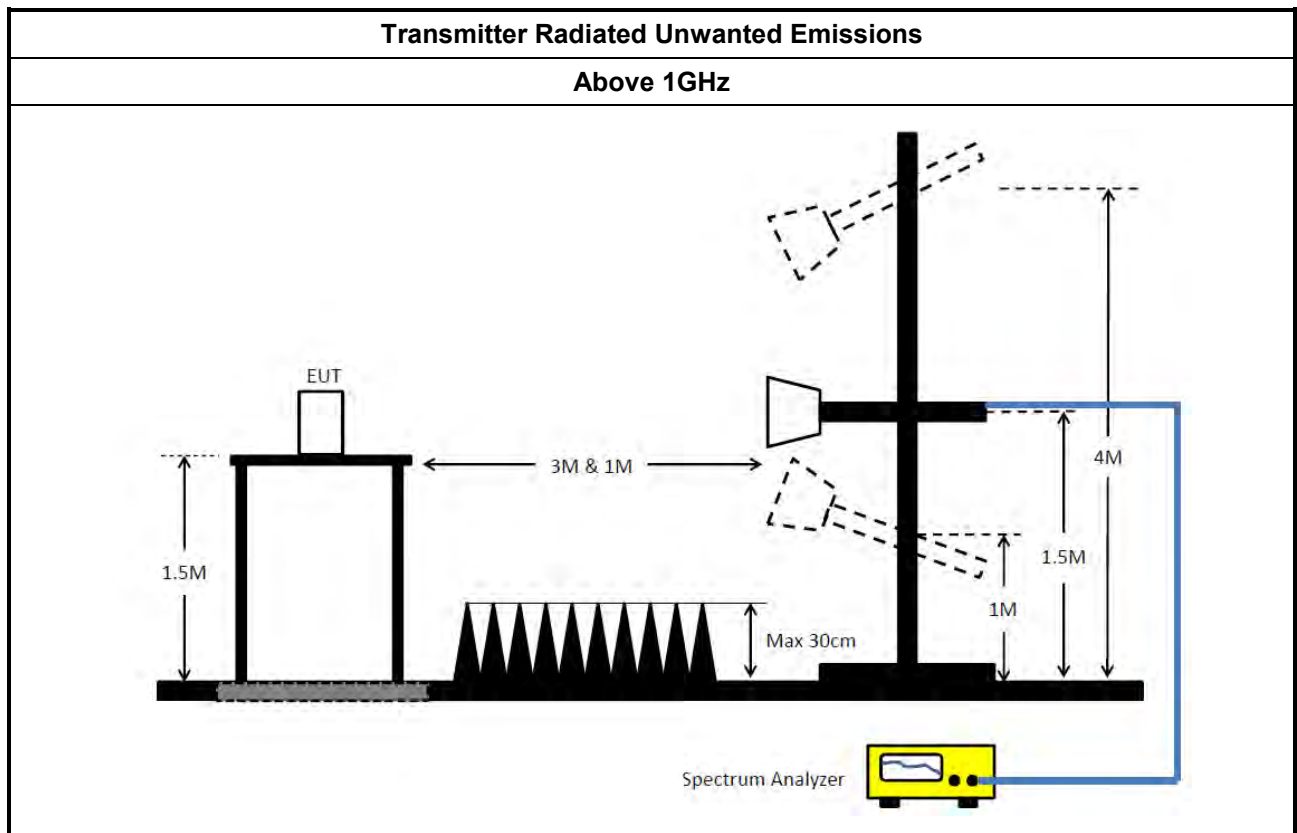
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 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.

3.4.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.4.5 Test Setup



3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2021	24/Mar/2022
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2021	24/Mar/2022
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	30/Mar/2021	29/Mar/2022
Signal Generator	R&S	SMB100A	181239	1MHz~40GHz	30/Dec/2020	29/Dec/2021

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	01/Aug/2021	31/Jul/2022
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	23/Oct/2020	22/Oct/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	04/Jun/2021	03/Jun/2022
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	06/Apr/2021	05/Apr/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Prempplier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	09/Mar/2021	08/Mar/2022
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	03/Nov/2021	02/Nov/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 HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	154.08M	77.721M	77M7D1D	82.32M	77.601M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	25.77M	16.792M	16M8D1D	19.44M	16.462M
802.11ax HEW20_Nss1,(MCS0)_4TX	22.32M	19.04M	19M0D1D	21.15M	18.921M
802.11ax HEW40_Nss1,(MCS0)_4TX	42.78M	38.201M	38M2D1D	40.98M	37.901M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.92M	77.481M	77M5D1D	82.2M	77.361M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	82.68M	77.481M	77M5D1D	82.44M	77.361M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	82.56M	77.841M	77M8D1D	82.44M	77.481M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	29.04M	16.912M	16M9D1D	19.095M	13.448M
802.11ax HEW20_Nss1,(MCS0)_4TX	22.83M	19.04M	19M0D1D	16.905M	14.483M
802.11ax HEW40_Nss1,(MCS0)_4TX	50.645M	38.141M	38M1D1D	40.68M	33.968M
802.11ax HEW80_Nss1,(MCS0)_4TX	103.125M	77.601M	77M6D1D	81.96M	73.838M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	153.9M	124.925M	125MD1D	82.8M	77.586M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	82.32M	77.481M	77M5D1D	82.08M	77.361M
802.11ax HEW80+80_Nss1,(MCS0)_4TX	190.5M	125.697M	126MD1D	84M	74.063M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.16M	11.294M	11M3D1D	2.86M	8.856M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.5M	10.895M	10M9D1D	4.36M	6.177M
802.11ax HEW40_Nss1,(MCS0)_4TX	4.18M	23.808M	23M8D1D	3.86M	17.851M
802.11ax HEW80_Nss1,(MCS0)_4TX	4.14M	34.963M	35M0D1D	3.98M	31.344M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	4.08M	27.986M	28M0D1D	3.96M	22.529M
802.11ax HEW80+80_Nss1,(MCS0)_4TX	77.7M	87.406M	87M4D1D	4.05M	67.391M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	23.07M	16.642M	25.77M	16.792M	20.61M	16.522M	23.52M	16.642M
5300MHz	Pass	Inf	21.66M	16.552M	21.87M	16.612M	20.46M	16.462M	20.94M	16.552M
5320MHz	Pass	Inf	19.86M	16.492M	20.64M	16.522M	19.71M	16.492M	19.44M	16.462M
5500MHz	Pass	Inf	19.89M	16.492M	19.71M	16.462M	19.53M	16.432M	19.38M	16.462M
5580MHz	Pass	Inf	25.41M	16.762M	29.04M	16.912M	20.94M	16.552M	23.49M	16.612M
5700MHz	Pass	Inf	19.17M	16.402M	19.26M	16.342M	19.17M	16.402M	19.29M	16.432M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	23.655M	14.933M	22.215M	14.198M	21.72M	13.838M	19.095M	13.448M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	11.294M	2.86M	11.154M	3.14M	10.495M	3.16M	8.856M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.63M	18.981M	22.32M	19.04M	21.33M	18.981M	21.66M	18.951M
5300MHz	Pass	Inf	21.75M	18.951M	21.24M	18.921M	21.36M	18.921M	21.18M	18.951M
5320MHz	Pass	Inf	21.6M	18.951M	21.99M	18.981M	21.72M	18.921M	21.15M	18.951M
5500MHz	Pass	Inf	21.27M	18.891M	20.97M	18.921M	21.45M	18.981M	20.91M	18.891M
5580MHz	Pass	Inf	22.29M	19.04M	22.65M	18.921M	21.42M	18.921M	22.83M	18.921M
5700MHz	Pass	Inf	21.45M	18.981M	21.27M	18.981M	20.91M	18.921M	21.21M	18.921M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	19.065M	14.633M	22.095M	14.693M	16.905M	14.513M	17.865M	14.483M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	10.195M	4.36M	10.895M	4.5M	6.177M	4.36M	7.696M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	41.64M	38.081M	42.78M	38.201M	41.1M	38.021M	41.7M	37.961M
5310MHz	Pass	Inf	41.16M	37.901M	40.98M	38.021M	41.1M	37.961M	41.04M	37.901M
5510MHz	Pass	Inf	40.92M	37.961M	41.1M	37.961M	40.8M	37.961M	40.74M	38.021M
5550MHz	Pass	Inf	42.36M	38.081M	41.76M	38.021M	41.04M	38.021M	41.04M	38.141M
5670MHz	Pass	Inf	41.64M	37.901M	40.68M	37.721M	40.92M	38.021M	40.74M	37.901M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	47.355M	34.283M	50.645M	34.108M	44.94M	34.038M	42.84M	33.968M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.1M	23.348M	4.18M	23.808M	4.06M	19.91M	3.86M	17.851M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.44M	77.361M	82.8M	77.481M	82.2M	77.361M	82.92M	77.361M
5530MHz	Pass	Inf	82.44M	77.481M	82.32M	77.361M	82.2M	77.361M	81.96M	77.361M
5610MHz	Pass	Inf	82.32M	77.601M	82.68M	77.121M	82.2M	77.361M	81.96M	77.601M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	103.125M	74.213M	90.45M	73.838M	86.025M	73.838M	98.925M	73.838M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4M	34.143M	4.14M	34.963M	4.06M	31.344M	3.98M	31.544M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	Inf	82.32M	77.601M	154.08M	77.721M				
#5290MHz,5530MHz	Pass	Inf	82.68M	77.361M	82.44M	77.481M				
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	Inf					82.56M	77.481M	82.44M	77.841M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5690MHz,5775MHz Straddle 5.47-5.725GHz	Pass	Inf	82.8M	77.586M	153.9M	124.925M				
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5290MHz,#5530MHz	Pass	Inf					82.32M	77.481M	82.08M	77.361M
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	Inf	84M	77.961M	161.28M	125.697M	84.48M	78.201M	132.24M	78.921M
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	Pass	Inf	136.35M	79.61M	190.5M	117.391M	90.15M	74.063M	147.45M	78.861M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5610MHz,#5690MHz Straddle 5.725-5.85GHz	Pass	500k					3.96M	22.529M	4.08M	27.986M
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	Pass	500k	4.05M	67.391M	4.125M	87.406M	76.275M	76.912M	77.7M	77.136M

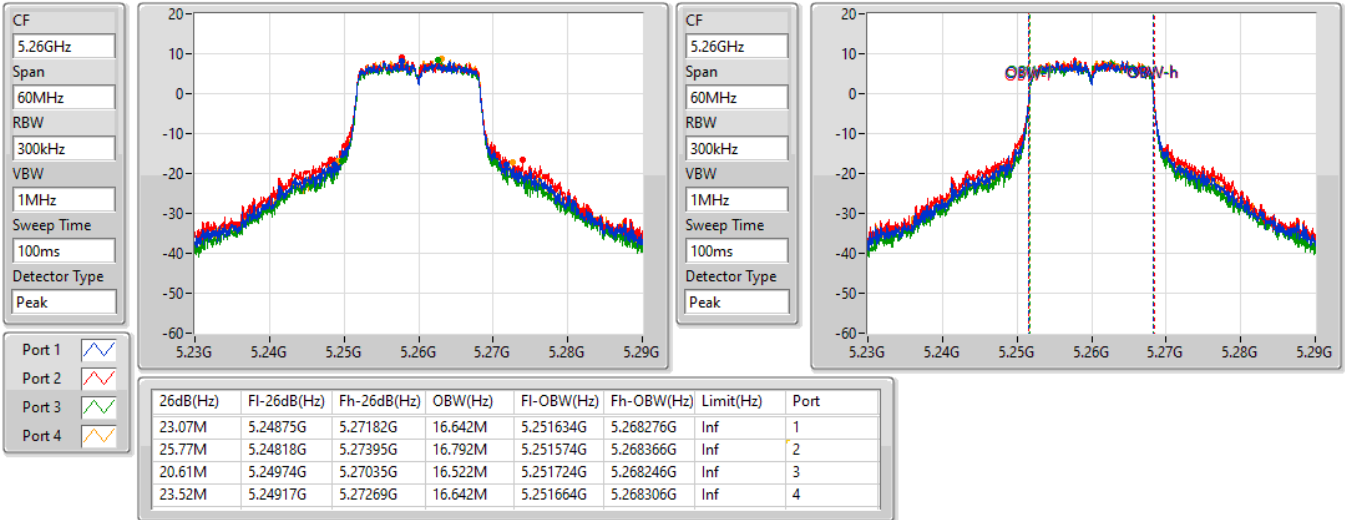
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

12/11/2021

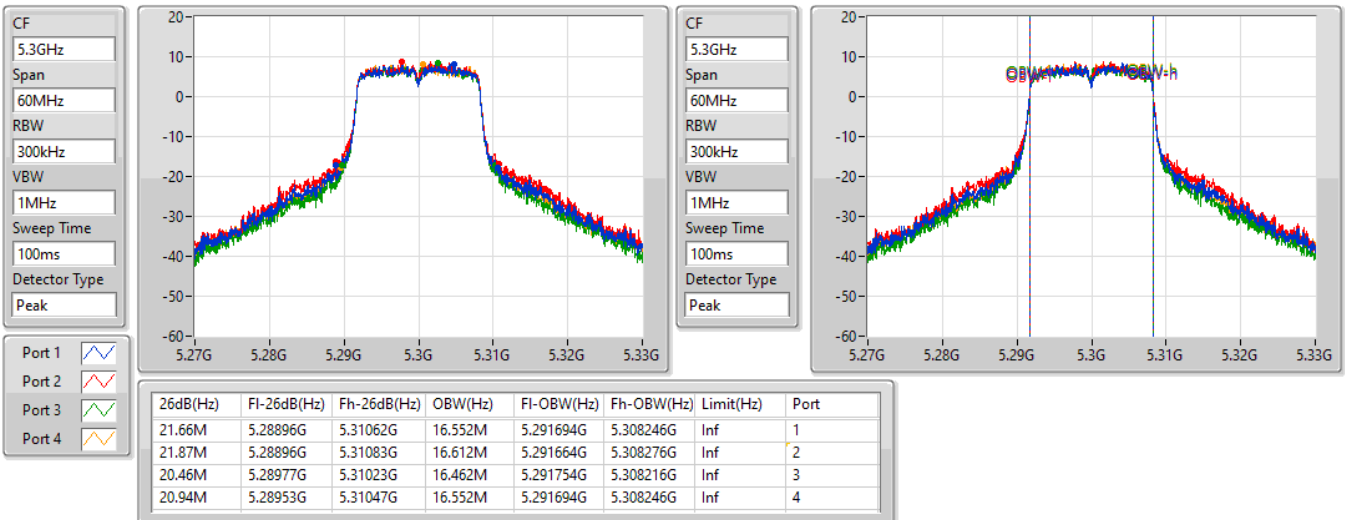


802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

12/11/2021

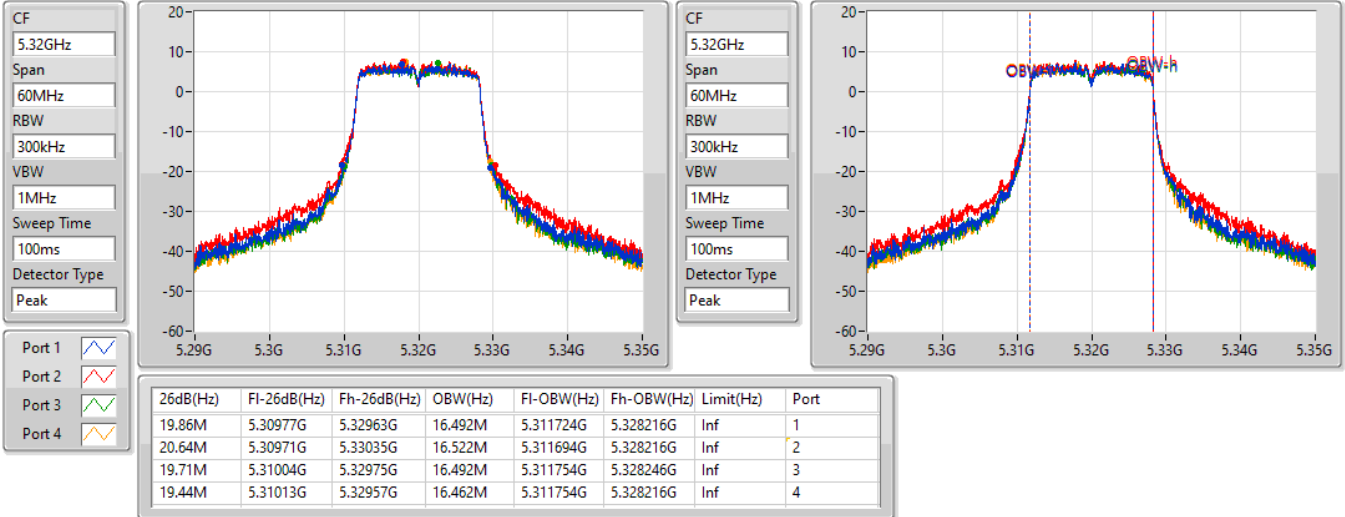


802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

12/11/2021

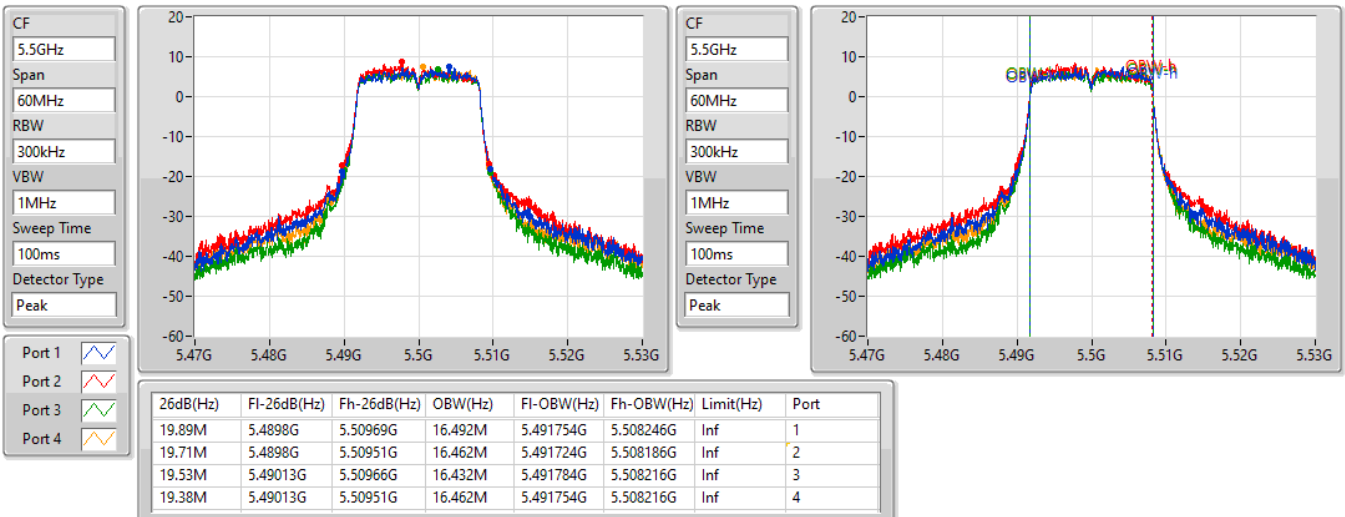


802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

12/11/2021

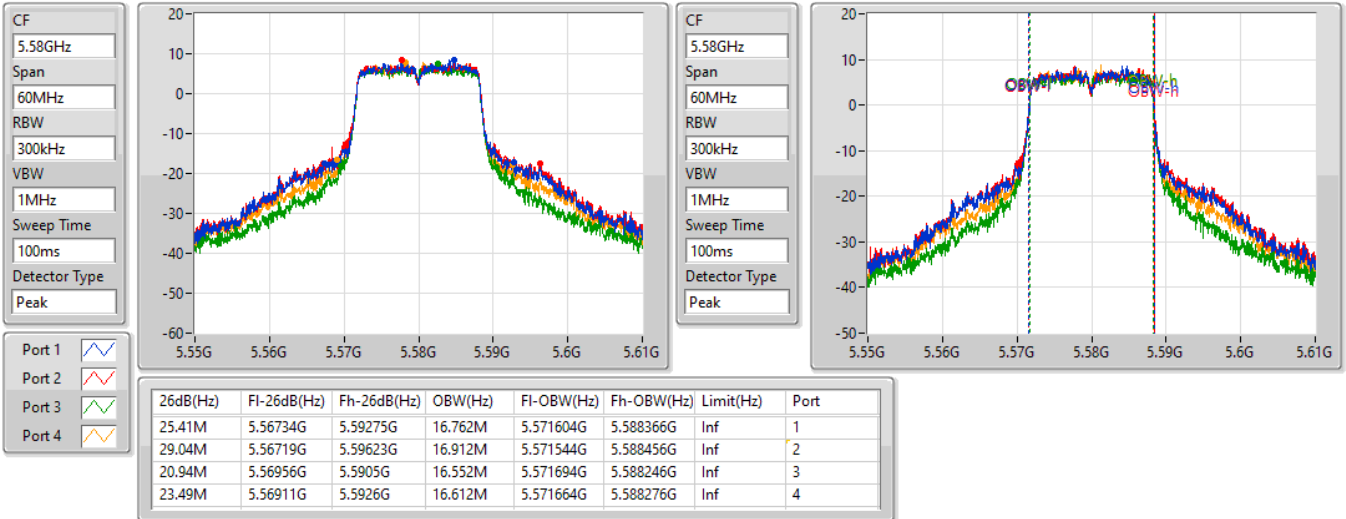


802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

12/11/2021

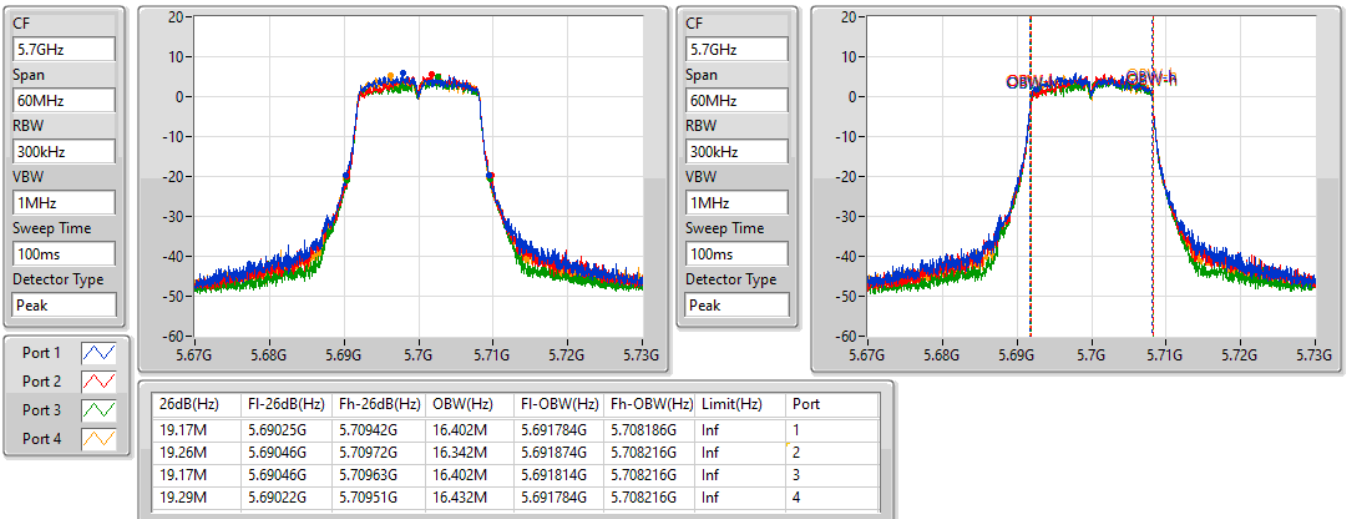


802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

12/11/2021

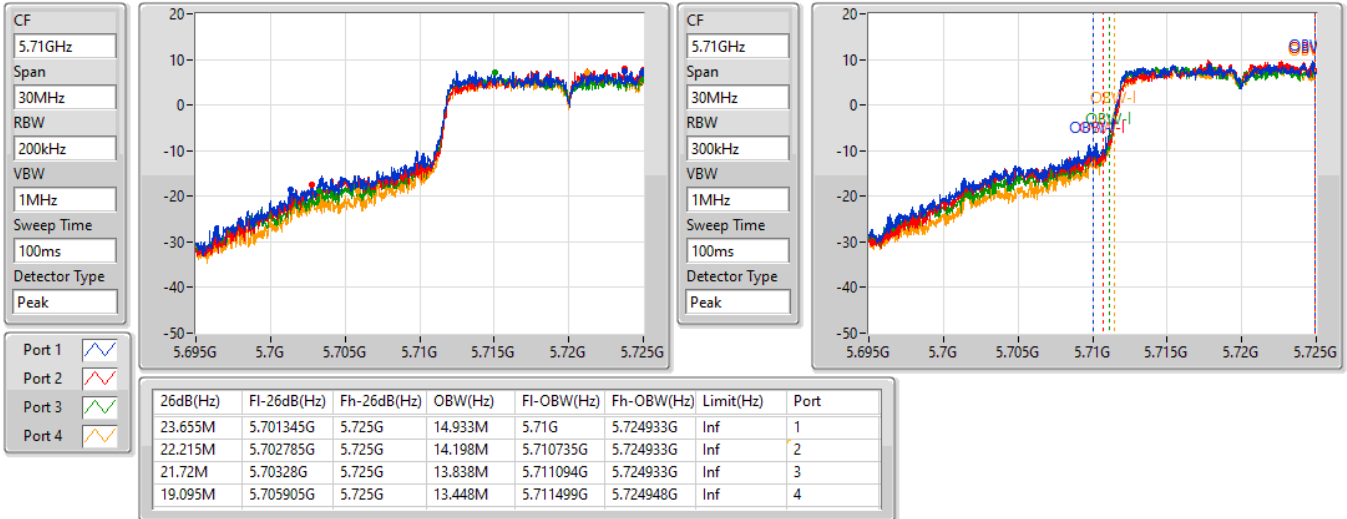


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

12/11/2021

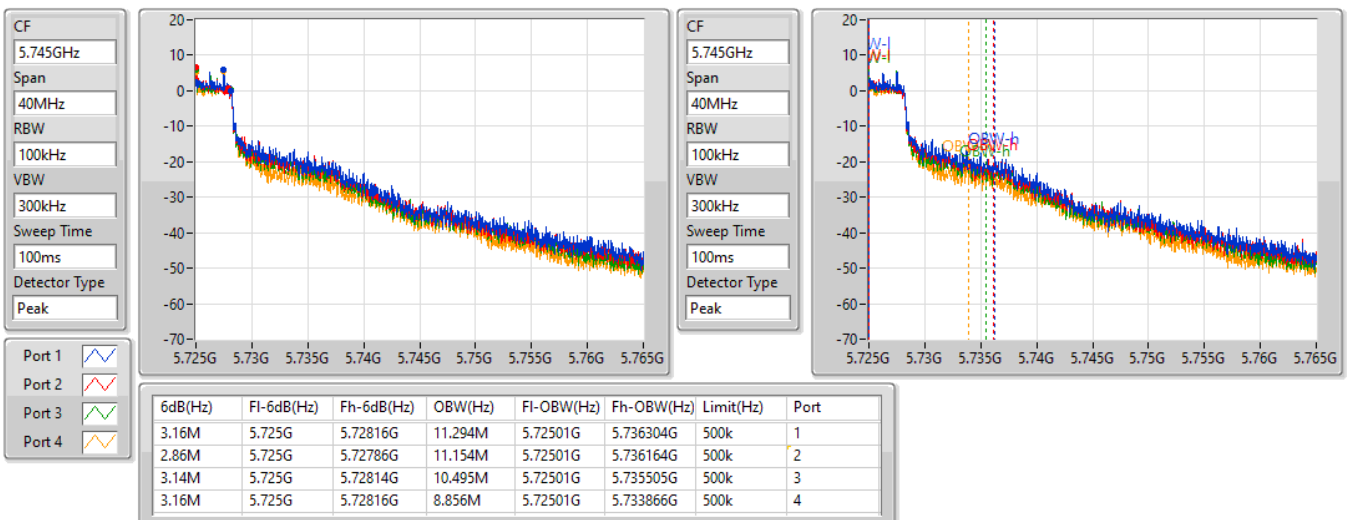


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

12/11/2021

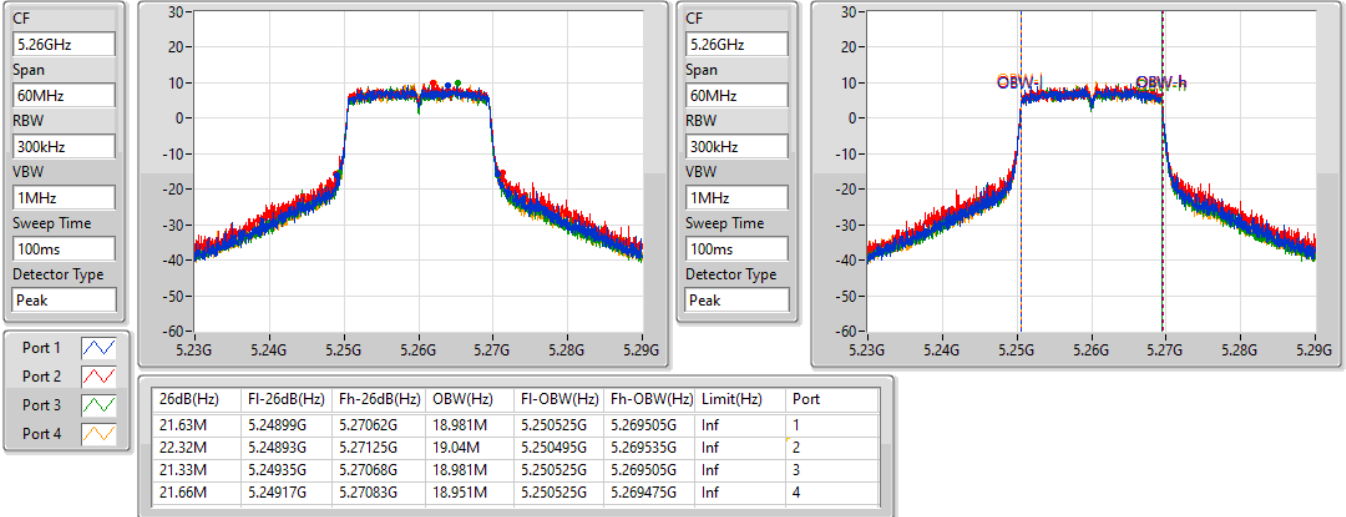


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

12/11/2021

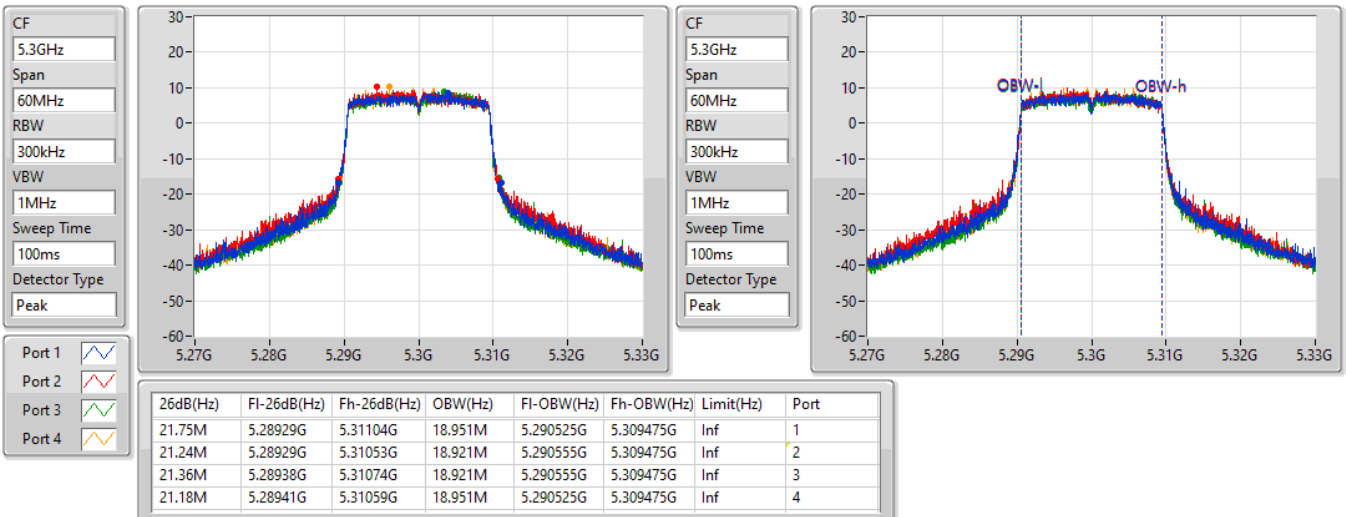


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

12/11/2021

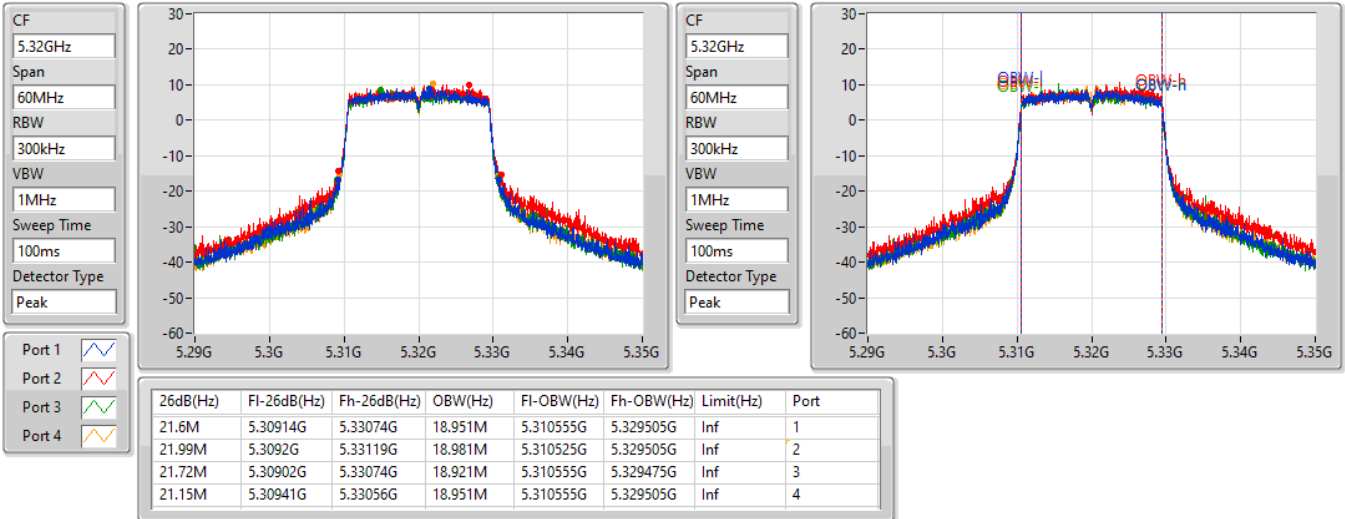


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

12/11/2021

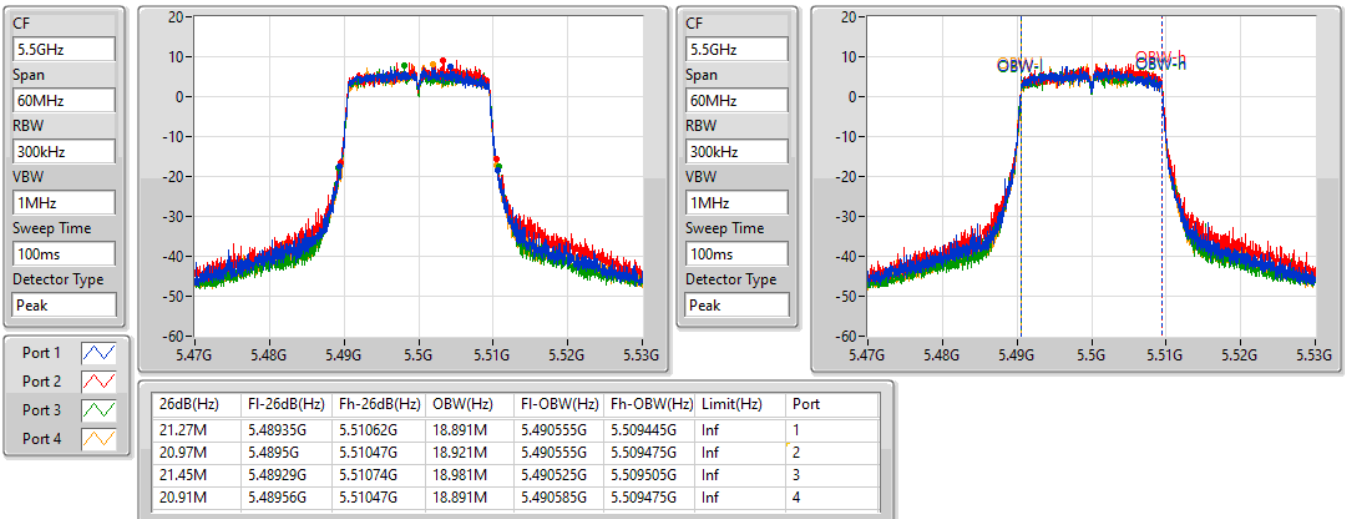


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

12/11/2021

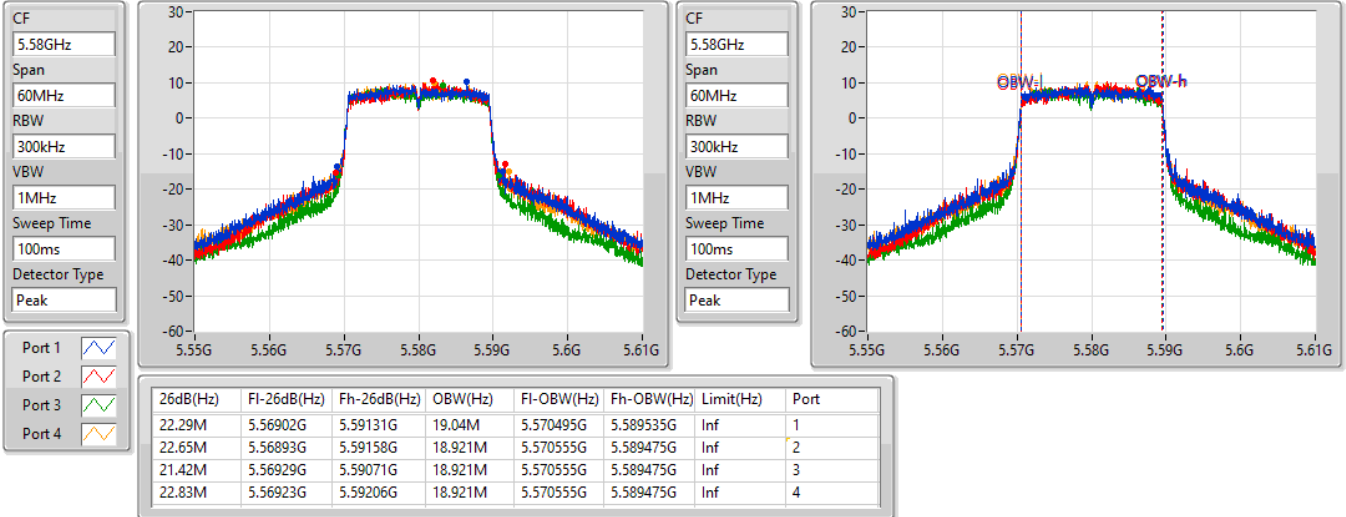


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

12/11/2021

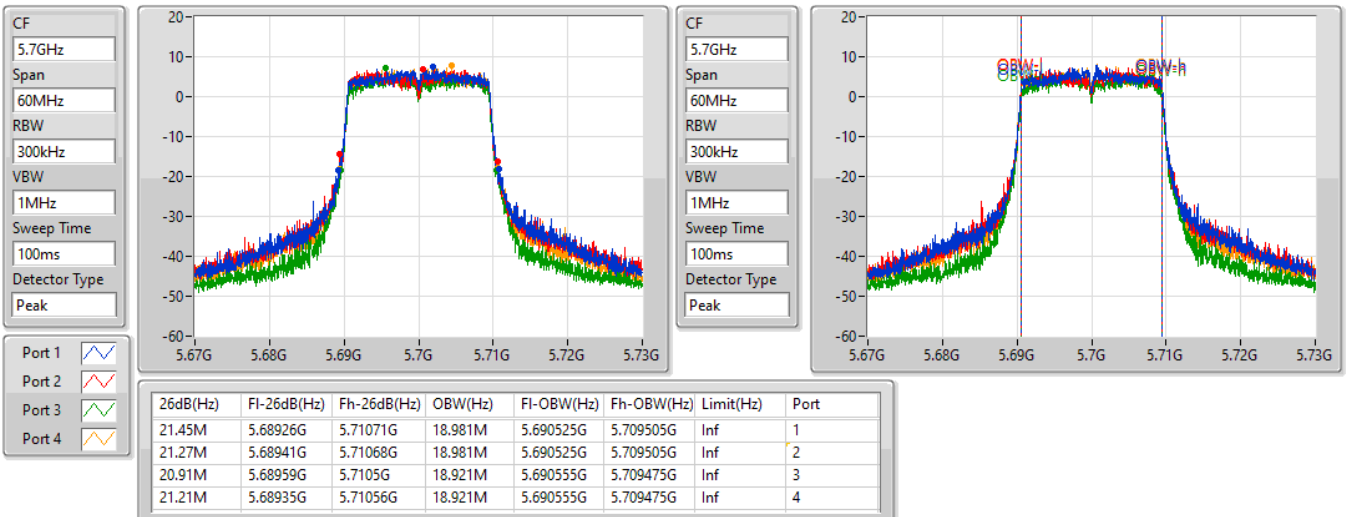


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

12/11/2021

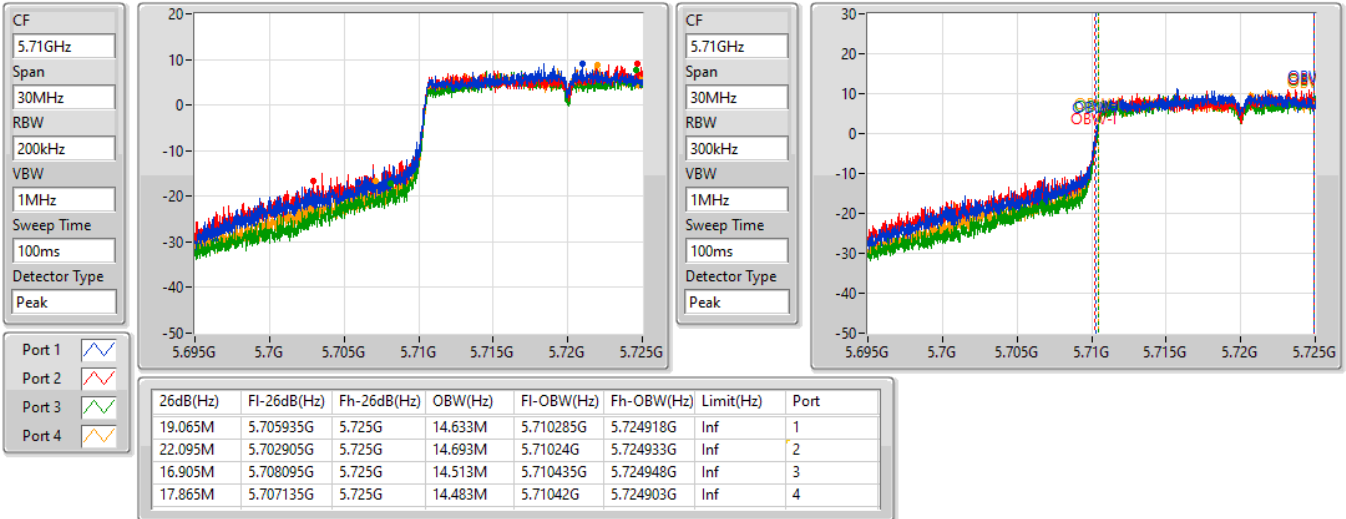


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

12/11/2021

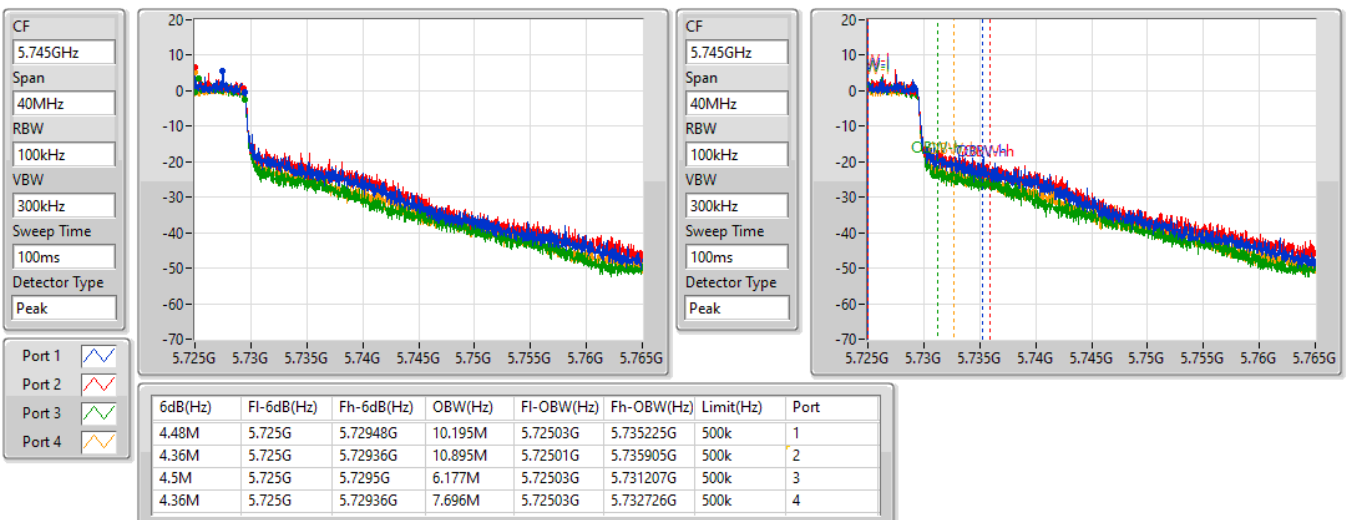


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

12/11/2021

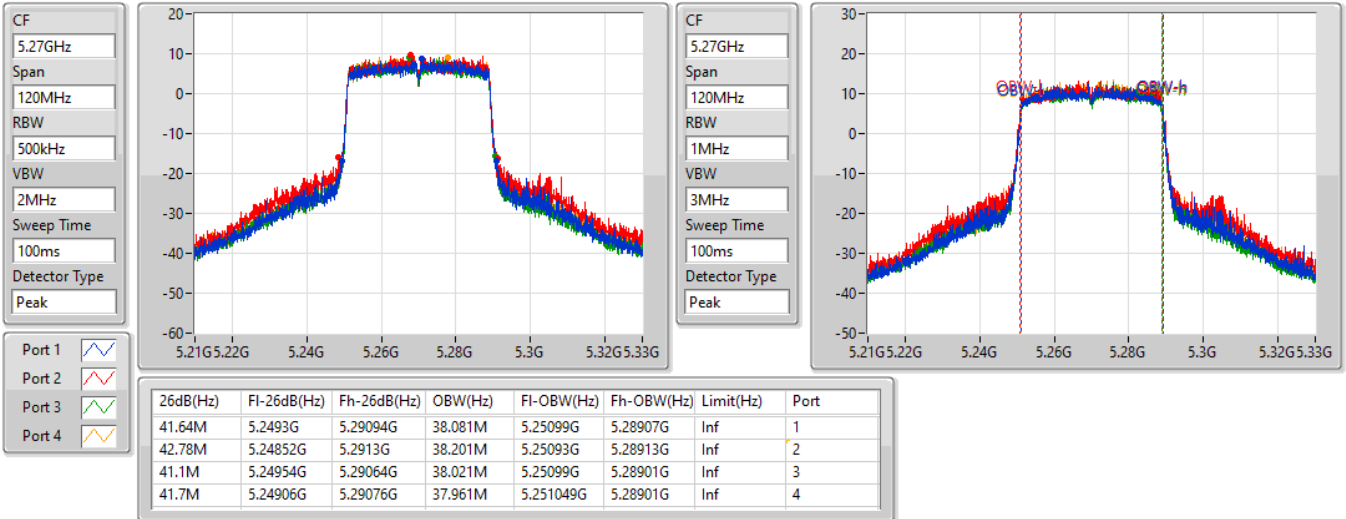


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

12/11/2021

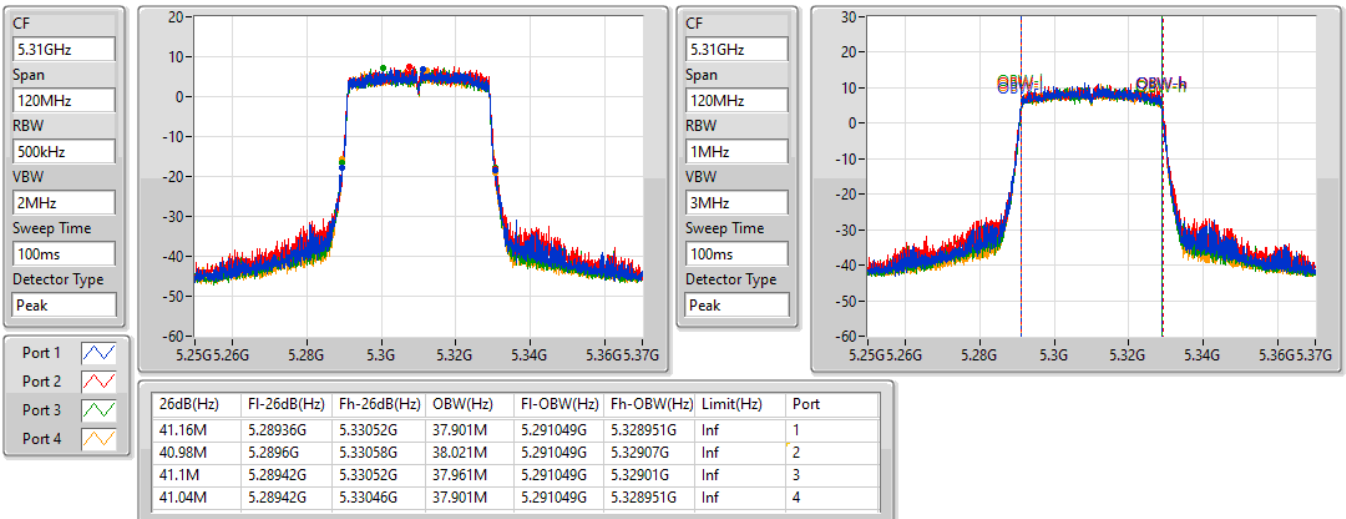


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

12/11/2021

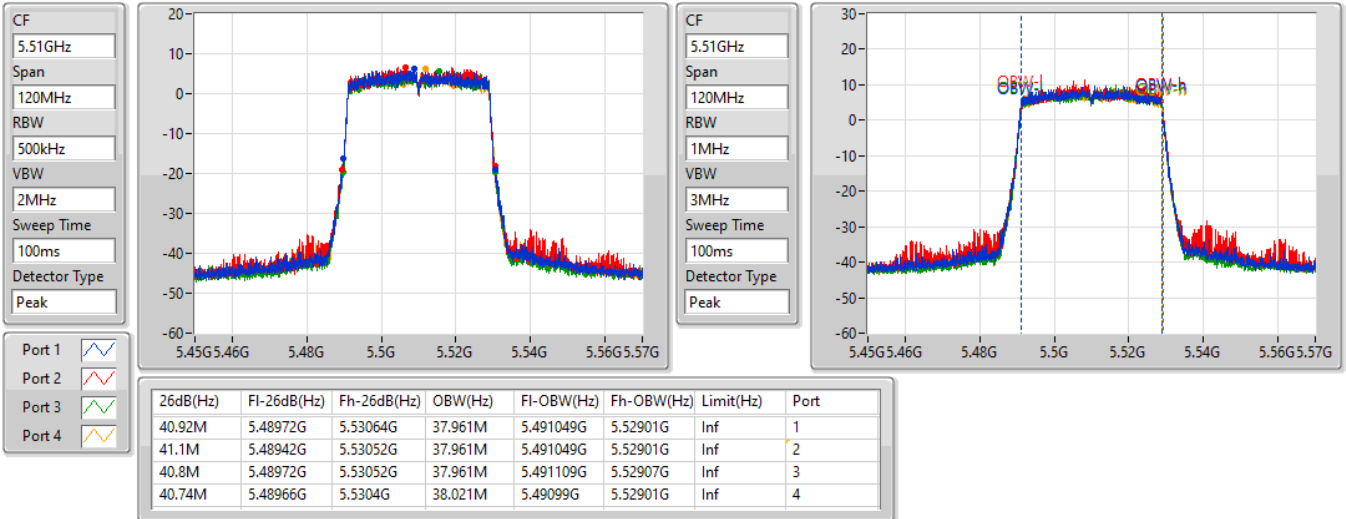


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

12/11/2021

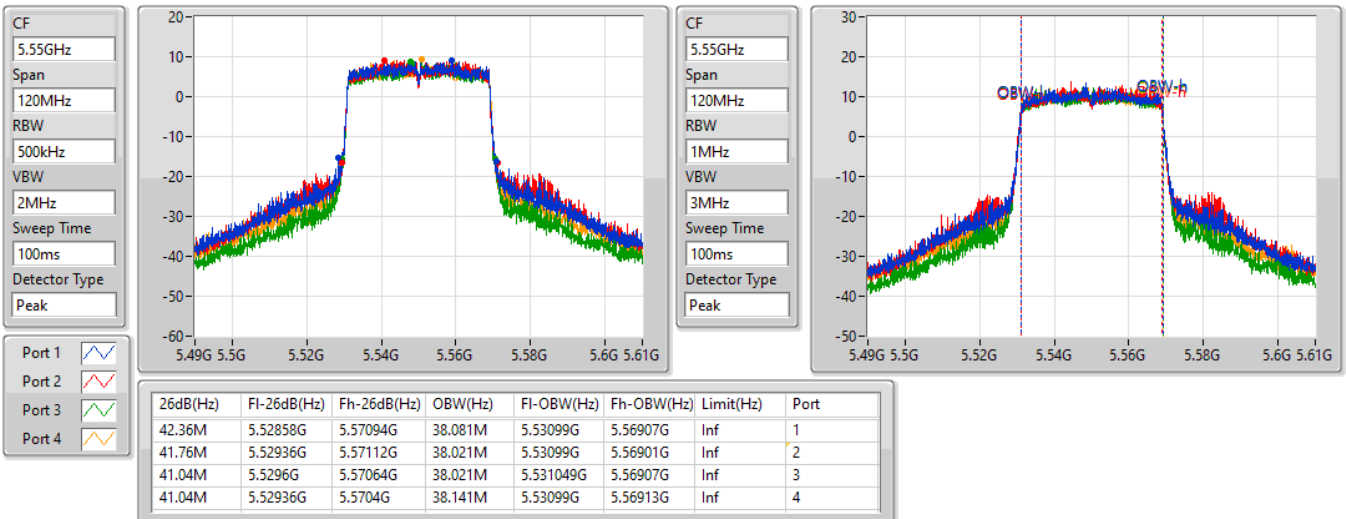


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

12/11/2021

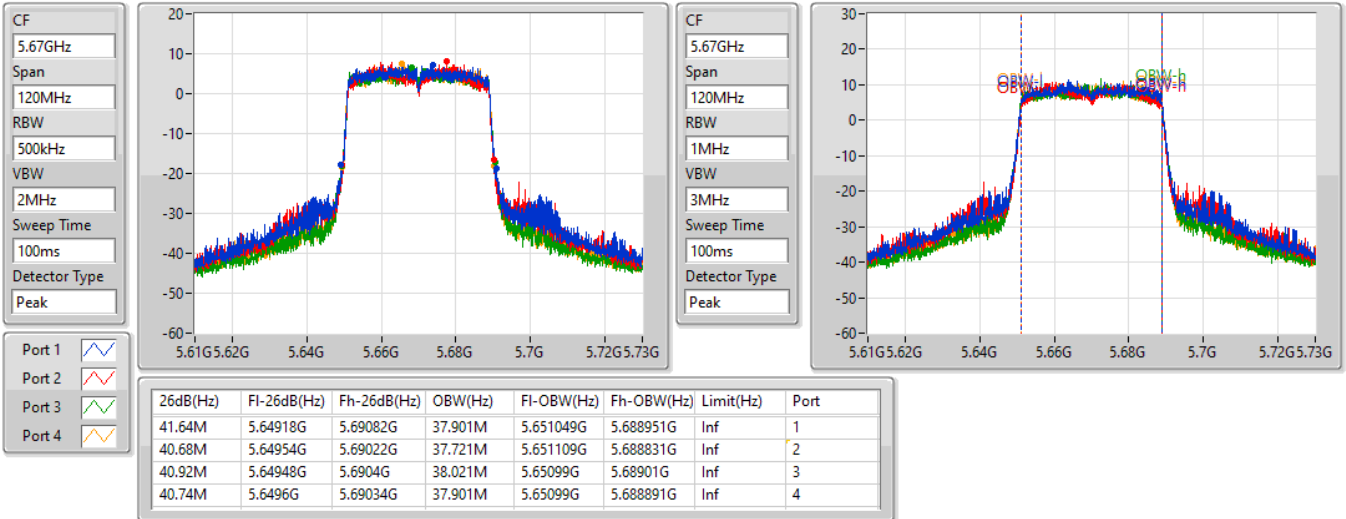


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

12/11/2021

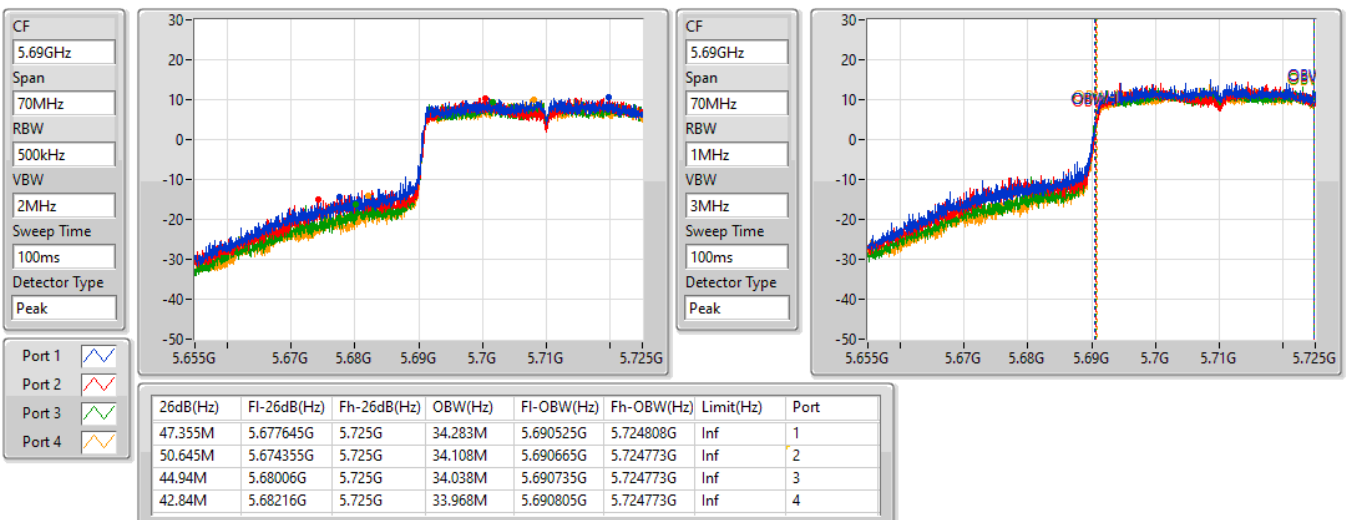


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

12/11/2021

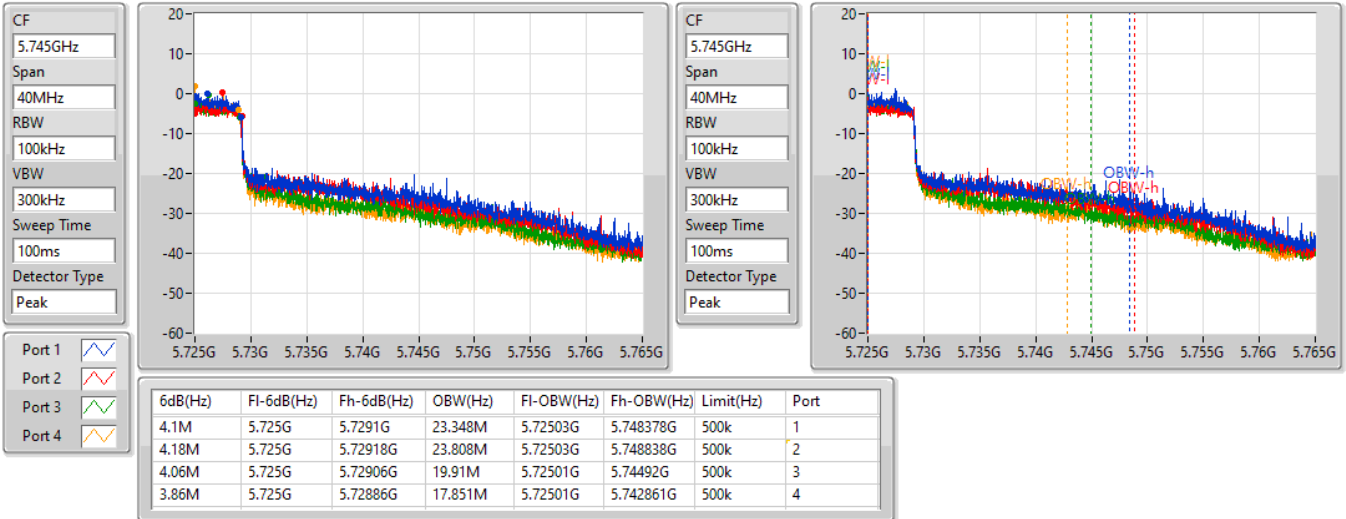


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

12/11/2021

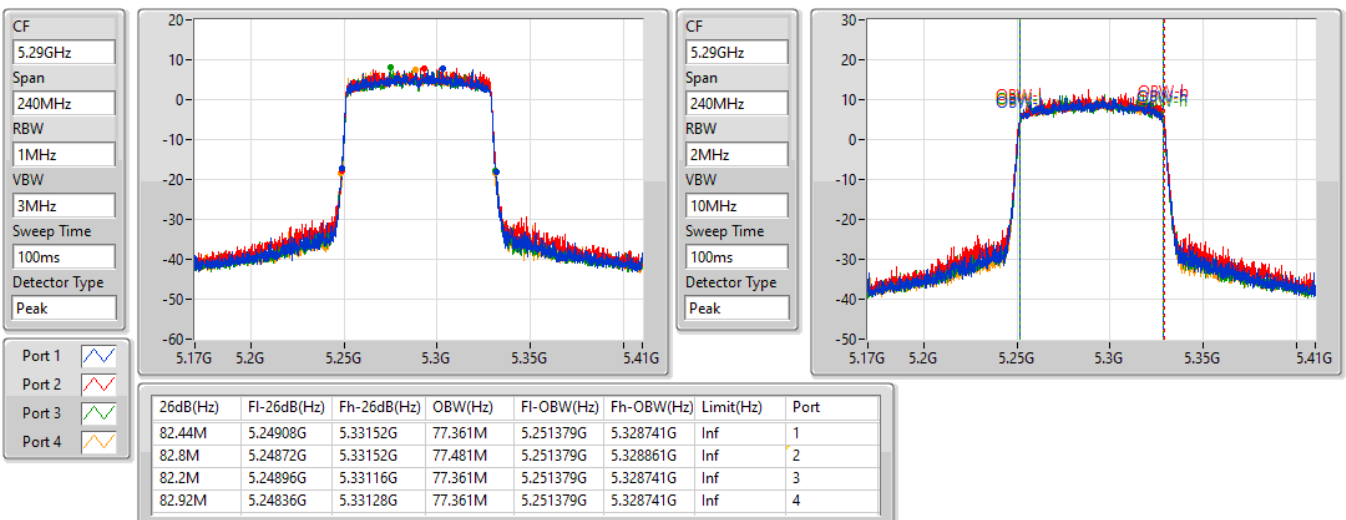


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

12/11/2021

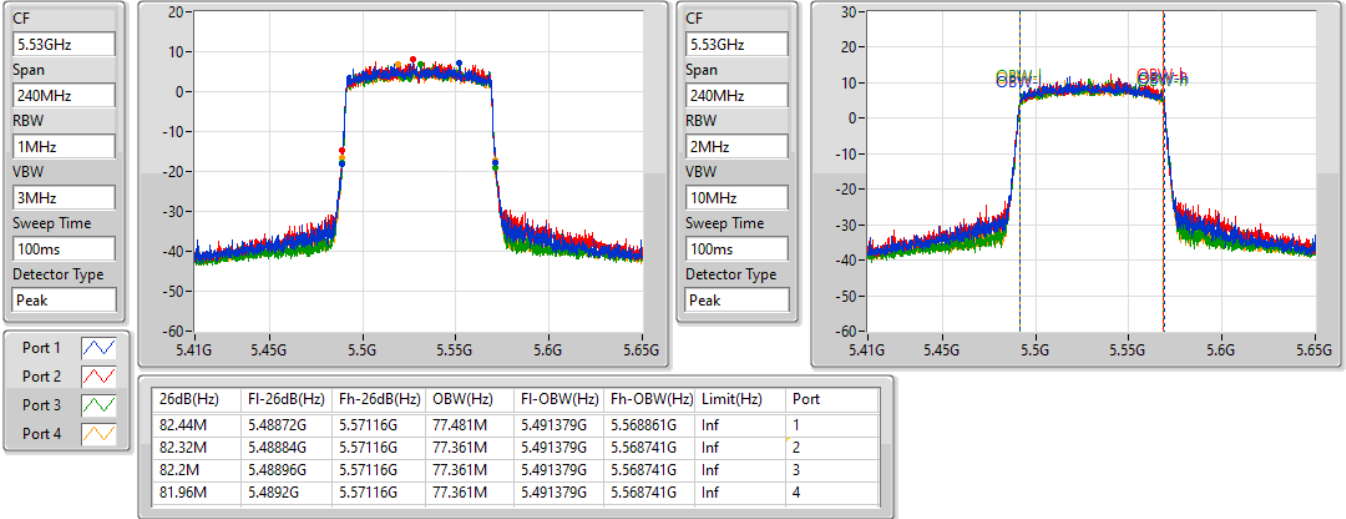


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

12/11/2021

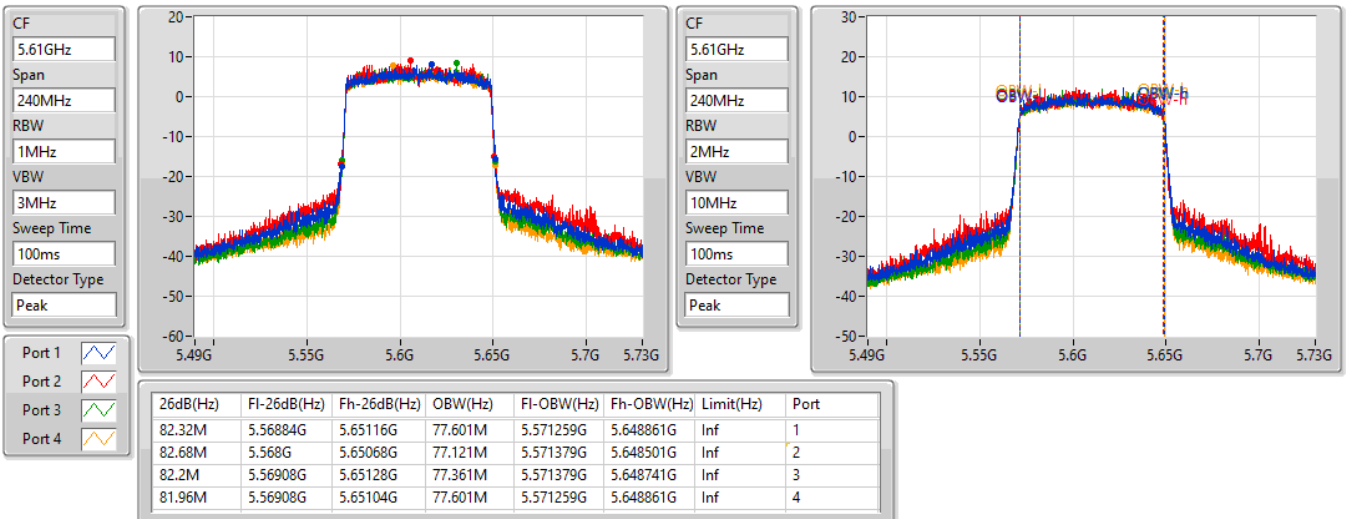


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

12/11/2021

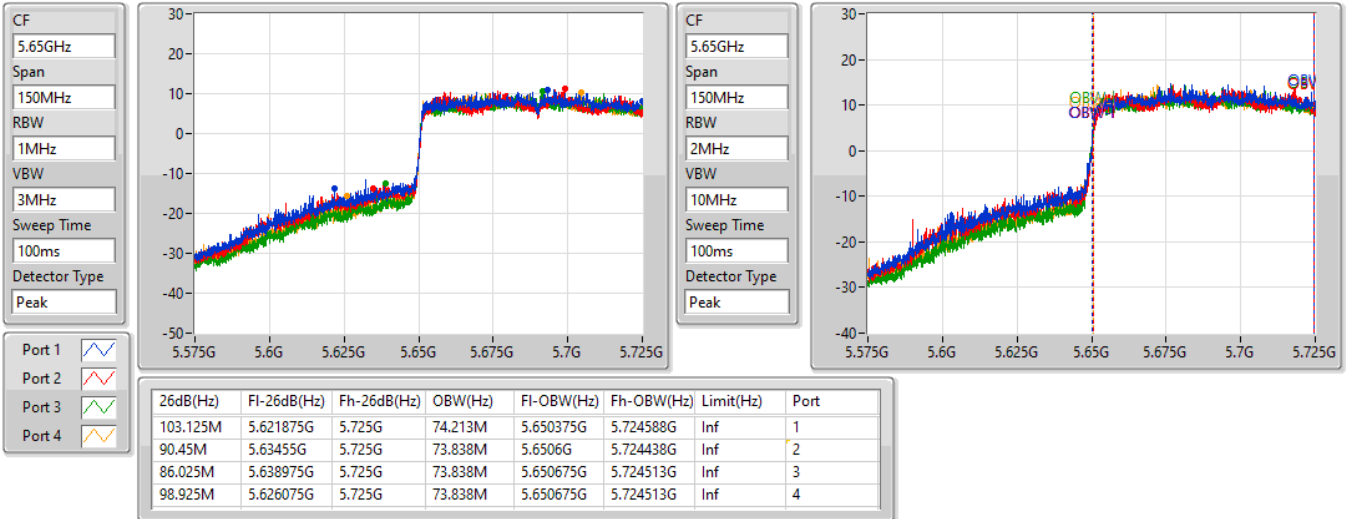


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

12/11/2021

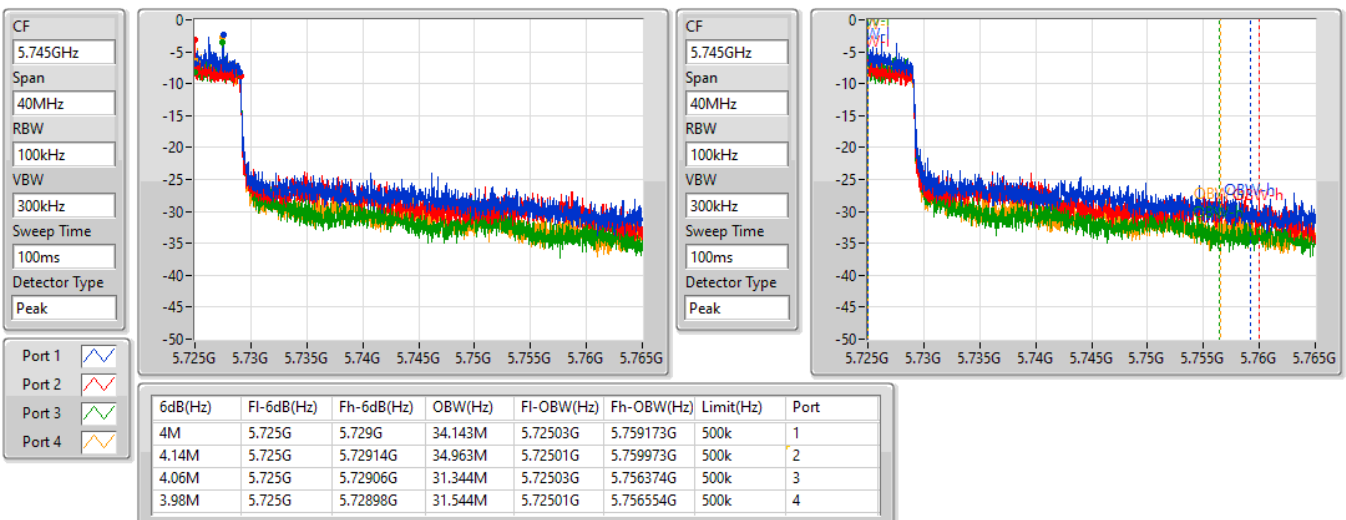


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

12/11/2021

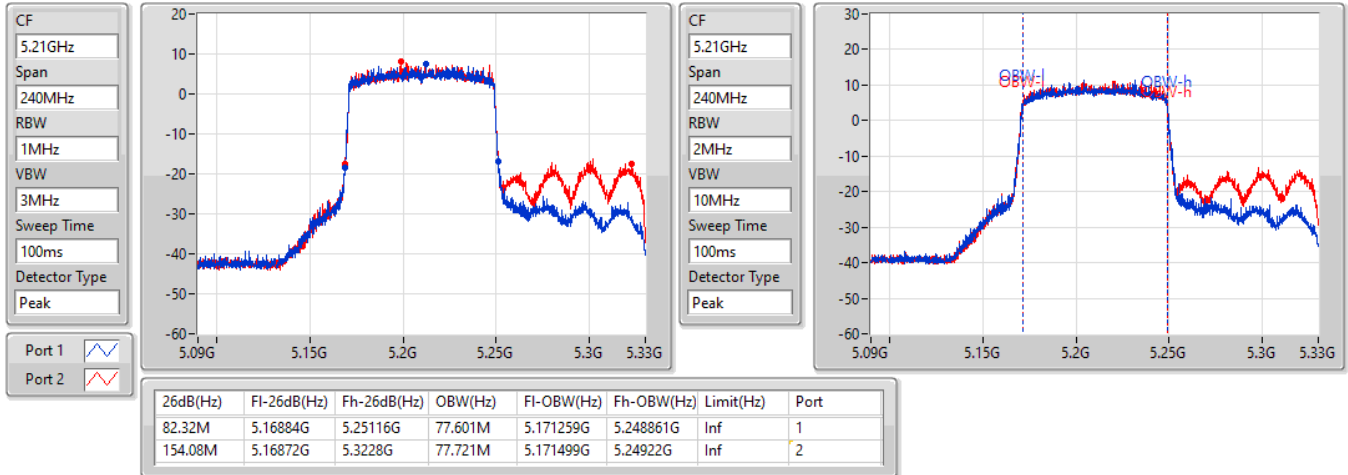


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)

EBW

#5210MHz,5290MHz

12/11/2021

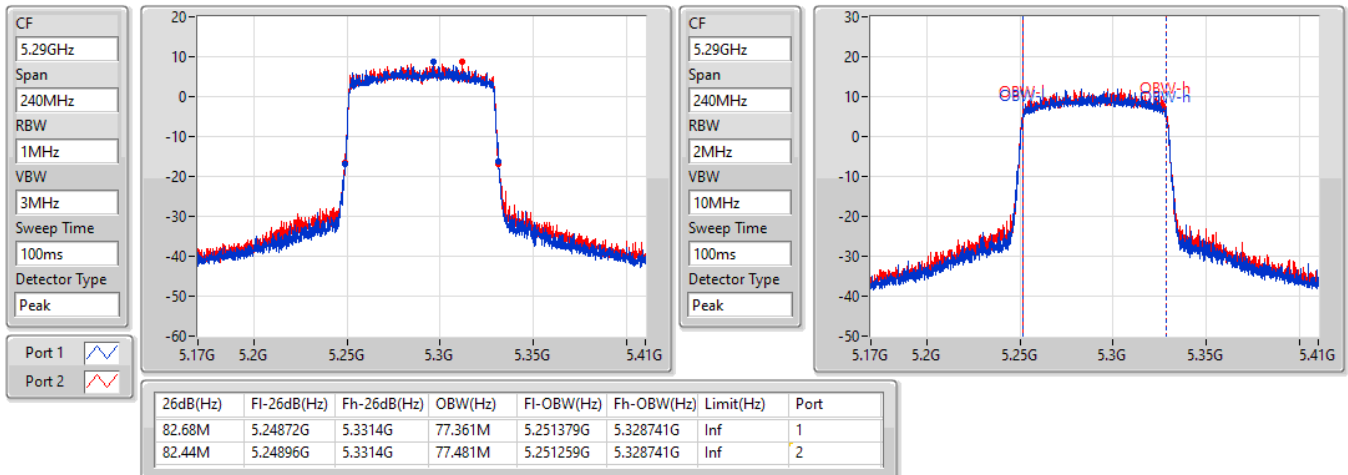


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)

EBW

#5290MHz,5530MHz

12/11/2021

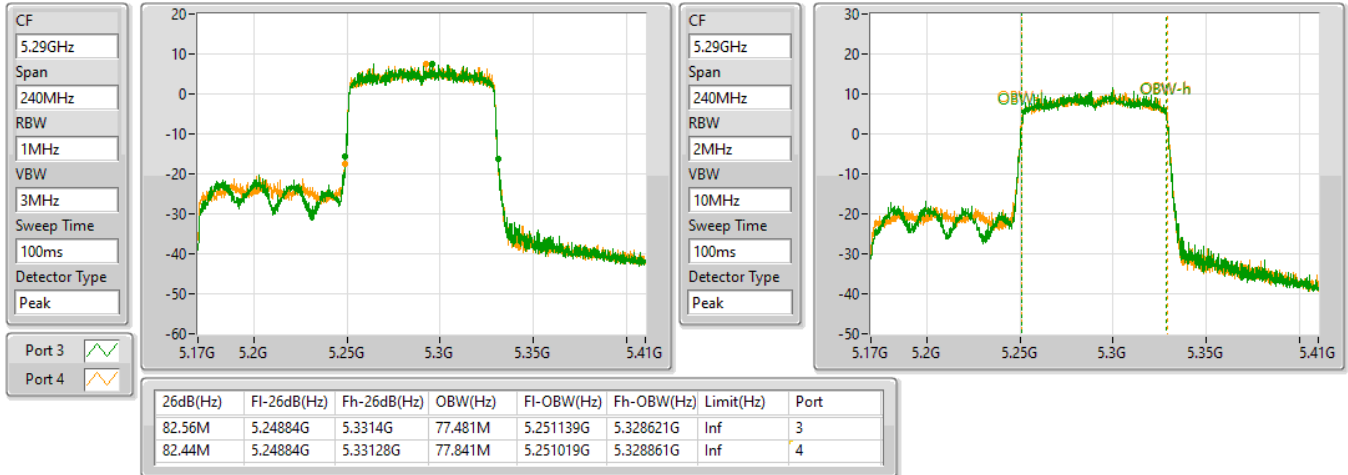


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)

EBW

5210MHz,#5290MHz

12/11/2021

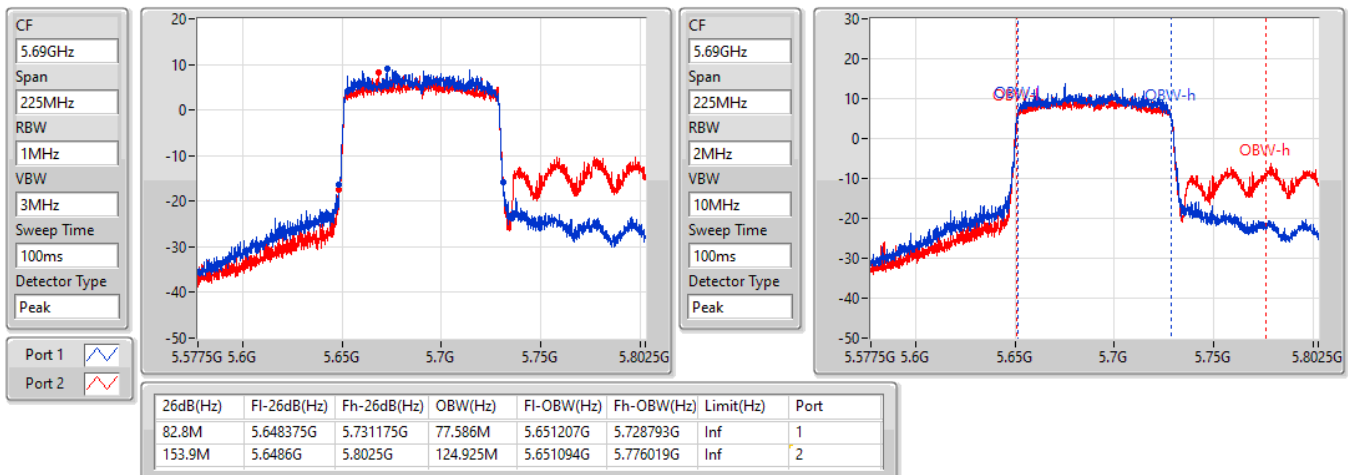


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)

EBW

#5690MHz,5775MHz Straddle 5.47-5.725GHz

12/11/2021

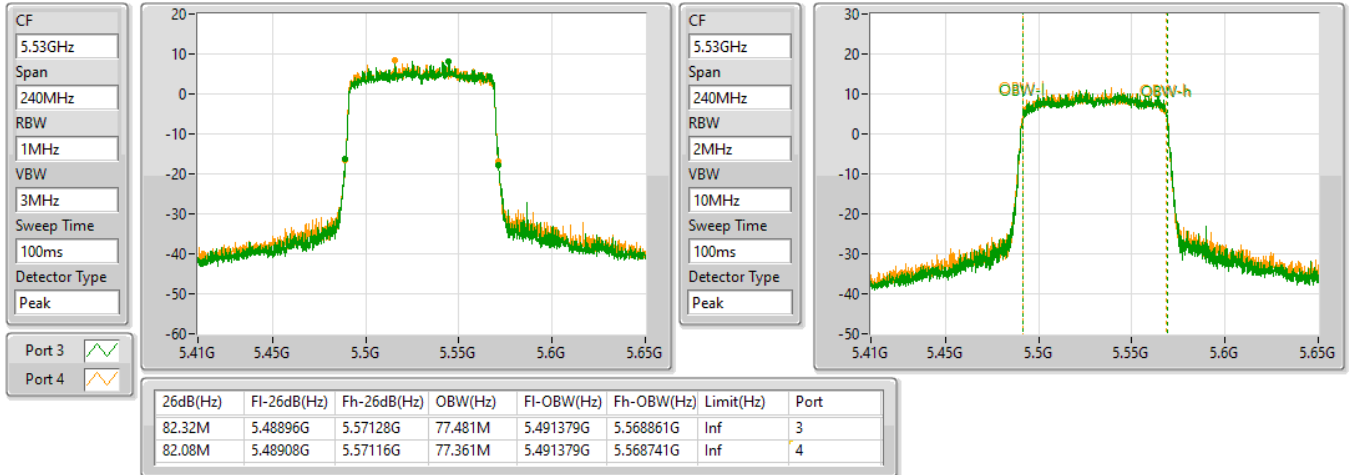


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)

EBW

5290MHz,#5530MHz

12/11/2021

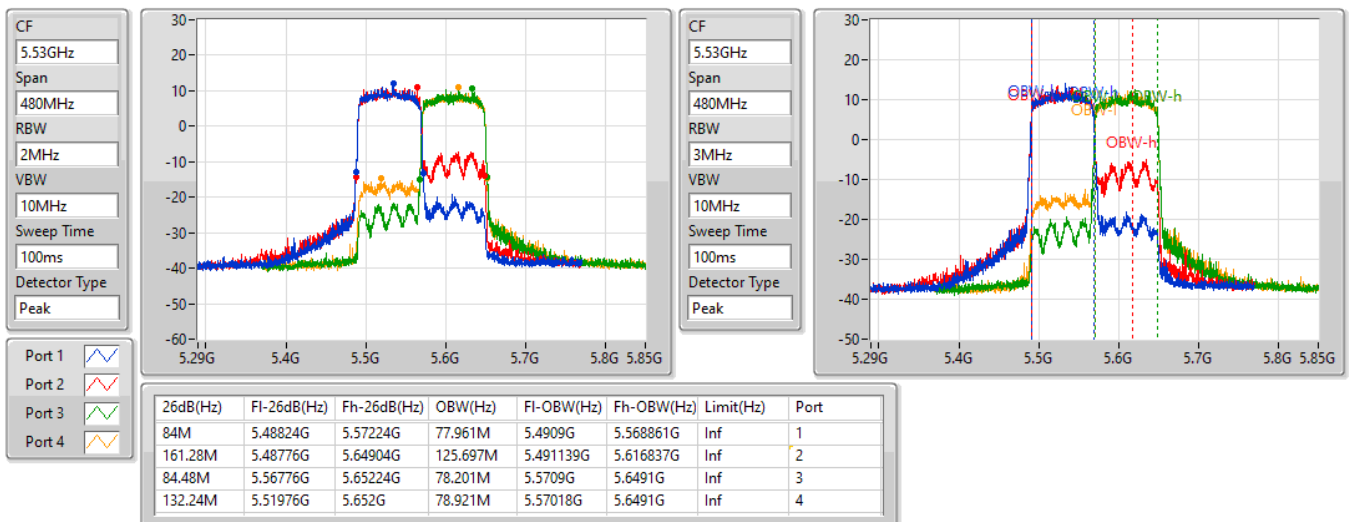


802.11ax HEW80+80_Nss1,(MCS0)_4TX

EBW

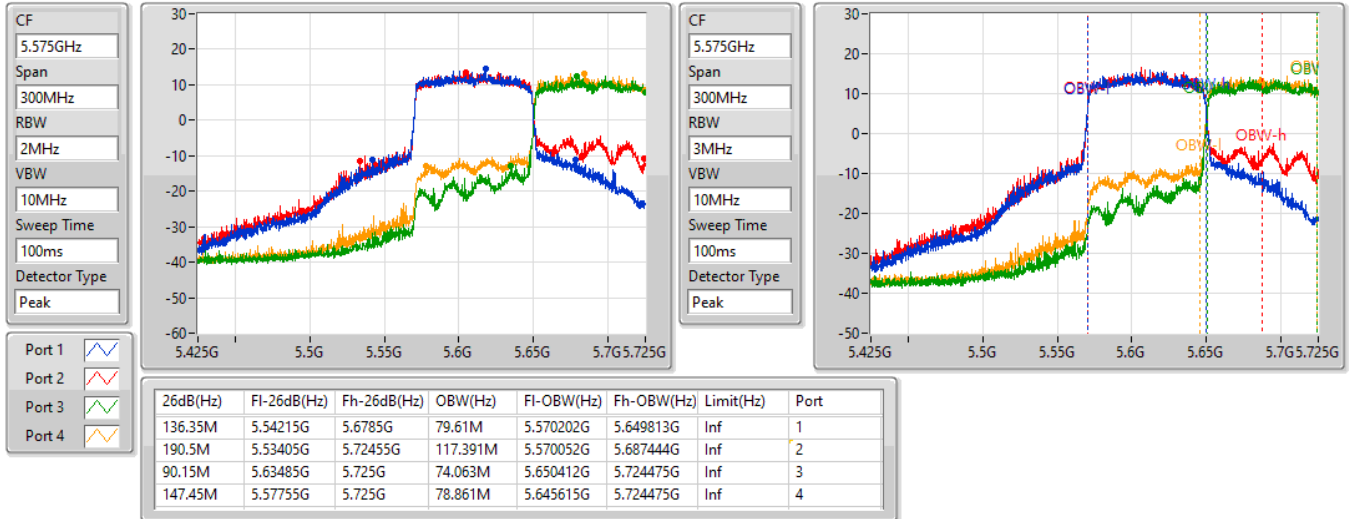
#5530MHz,#5610MHz

12/11/2021

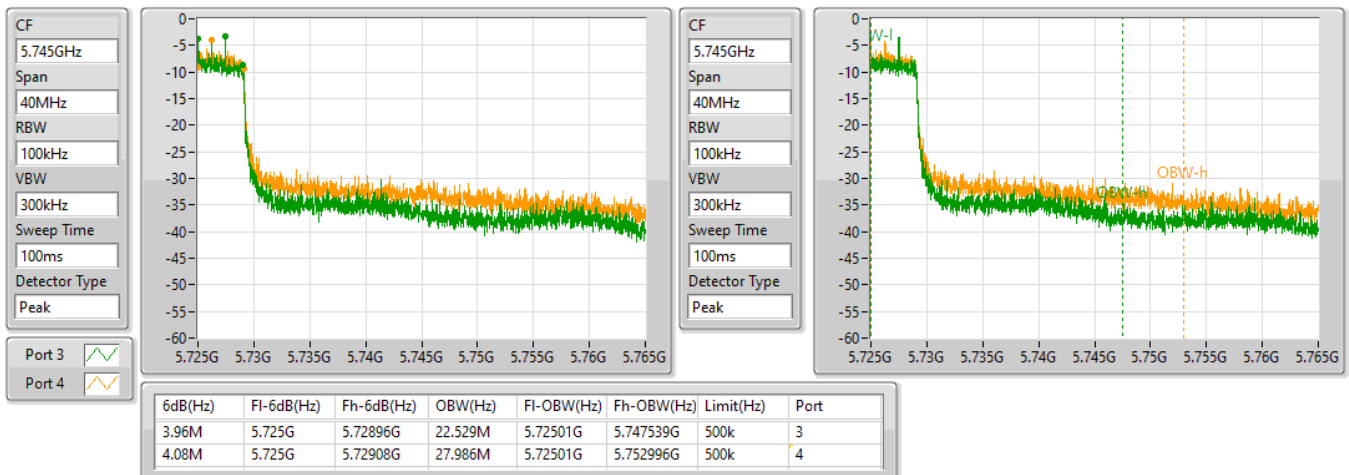


802.11ax HEW80+80_Nss1,(MCS0)_4TX
EBW
#5610MHz,#5690MHz Straddle 5.47-5.725GHz

12/11/2021


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)
EBW
5610MHz,#5690MHz Straddle 5.725-5.85GHz

12/11/2021

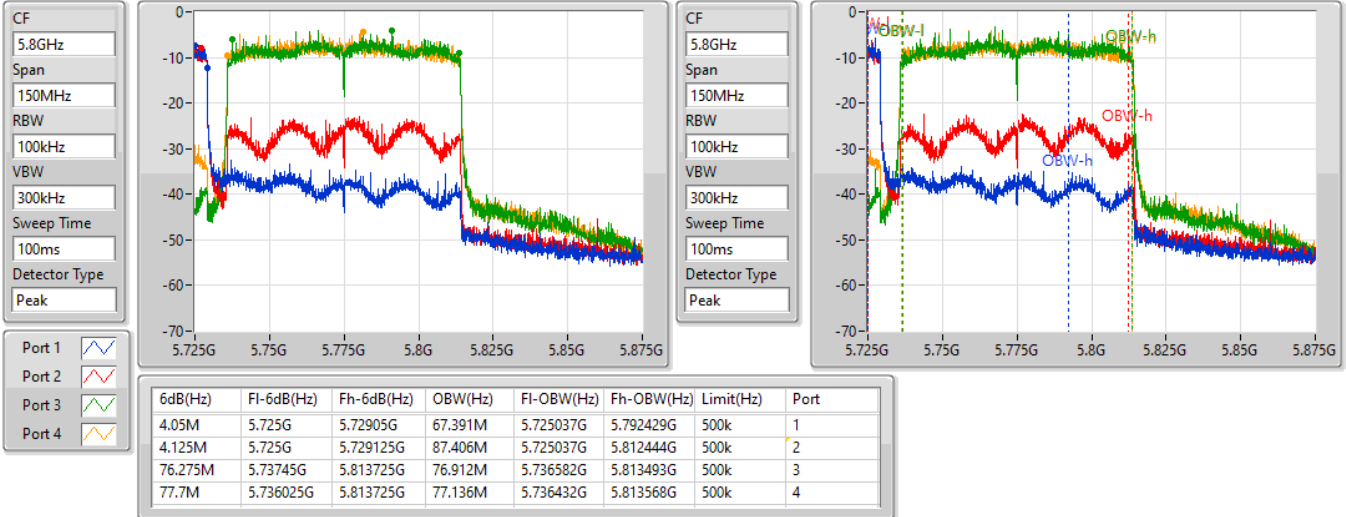


802.11ax HEW80+80_Nss1,(MCS0)_4TX

EBW

#5690MHz,#5775MHz Straddle 5.725-5.85GHz

12/11/2021



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.06M	16.702M	16M7D1D	15.075M	13.328M
802.11ax HEW20_Nss1,(MCS0)_4TX	22.53M	19.1M	19M1D1D	15.84M	14.498M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.56M	38.021M	38M0D1D	35.21M	33.758M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.68M	77.481M	77M5D1D	75.75M	73.163M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.88M	154.483M	154MD1D	163.68M	154.003M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.18M	3.618M	3M62D1D	3.18M	3.578M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.54M	4.678M	4M68D1D	4.52M	4.638M
802.11ax HEW40_Nss1,(MCS0)_4TX	4.08M	9.015M	9M02D1D	4M	4.258M
802.11ax HEW80_Nss1,(MCS0)_4TX	4.1M	18.691M	18M7D1D	3.98M	5.217M

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

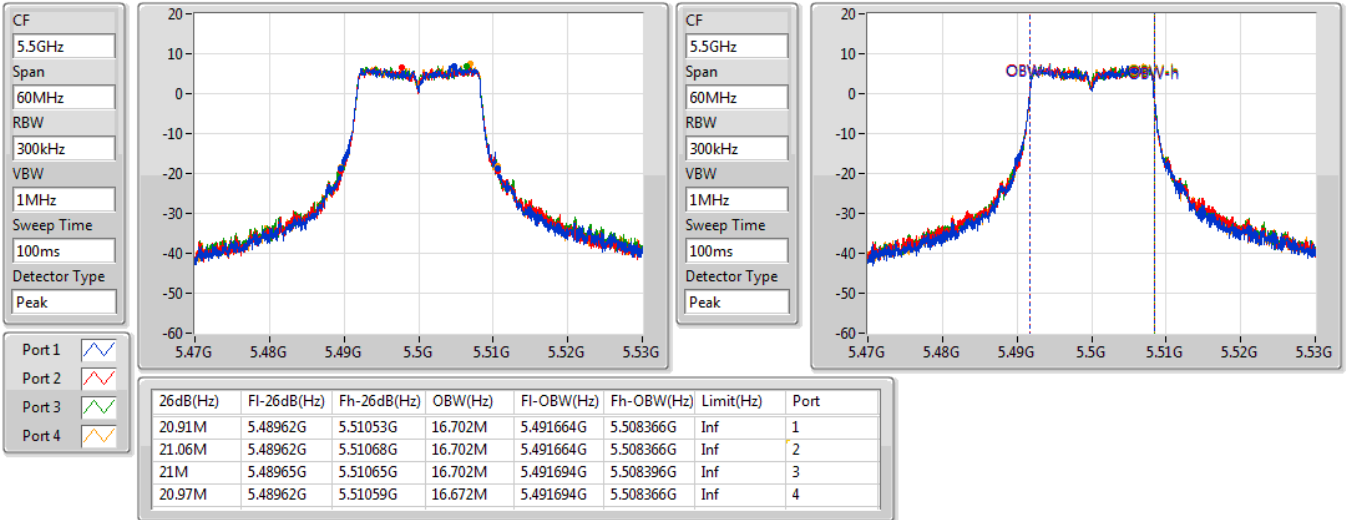
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	20.91M	16.702M	21.06M	16.702M	21M	16.702M	20.97M	16.672M
5580MHz	Pass	Inf	20.82M	16.702M	20.58M	16.672M	20.67M	16.672M	20.55M	16.612M
5700MHz	Pass	Inf	20.28M	16.672M	20.52M	16.642M	20.43M	16.672M	20.28M	16.642M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.27M	13.358M	15.195M	13.328M	15.075M	13.343M	15.075M	13.343M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	3.618M	3.18M	3.578M	3.18M	3.598M	3.18M	3.578M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	22.11M	19.1M	21.75M	19.1M	21.69M	19.1M	22.23M	19.1M
5580MHz	Pass	Inf	22.08M	19.1M	22.05M	19.1M	22.53M	19.1M	21.99M	19.07M
5700MHz	Pass	Inf	22.08M	19.07M	22.29M	19.1M	21.93M	19.1M	22.14M	19.1M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.84M	14.498M	16.02M	14.513M	15.915M	14.513M	15.99M	14.513M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.52M	4.658M	4.54M	4.678M	4.54M	4.638M	4.54M	4.638M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	Inf	40.44M	37.781M	40.38M	37.841M	40.56M	37.781M	40.32M	37.781M
5550MHz	Pass	Inf	40.5M	38.021M	40.44M	37.901M	40.56M	37.901M	40.5M	37.901M
5670MHz	Pass	Inf	40.26M	37.841M	40.5M	37.841M	40.5M	37.781M	40.44M	37.781M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.28M	33.758M	35.21M	33.758M	35.245M	33.793M	35.21M	33.758M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4M	7.936M	4.02M	9.015M	4.06M	7.276M	4.08M	4.258M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	Inf	82.32M	77.241M	81.84M	77.241M	82.56M	77.361M	82.08M	77.241M
5610MHz	Pass	Inf	82.68M	77.361M	82.32M	77.481M	82.44M	77.361M	82.08M	77.361M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.275M	73.238M	76.35M	73.238M	76.875M	73.313M	75.75M	73.163M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	16.572M	3.98M	18.391M	4.1M	18.691M	4.04M	5.217M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5570MHz	Pass	Inf	164.88M	154.003M	164.16M	154.483M	163.92M	154.483M	163.68M	154.483M

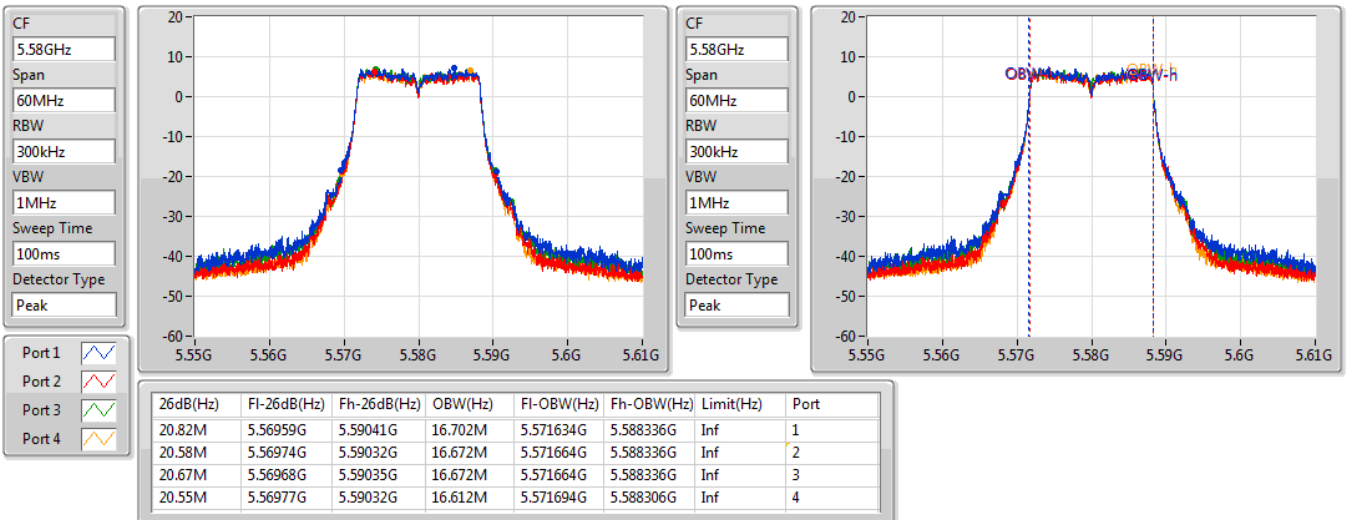
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX
EBW
5500MHz

08/10/2021


802.11a_Nss1,(6Mbps)_4TX
EBW
5580MHz

08/10/2021

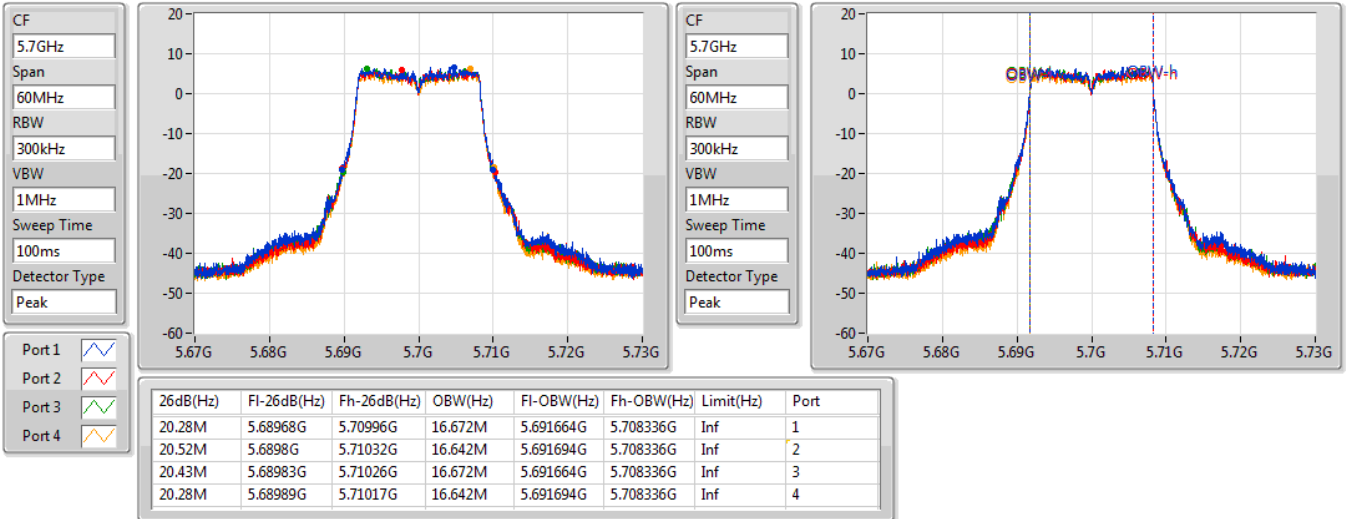


802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

08/10/2021

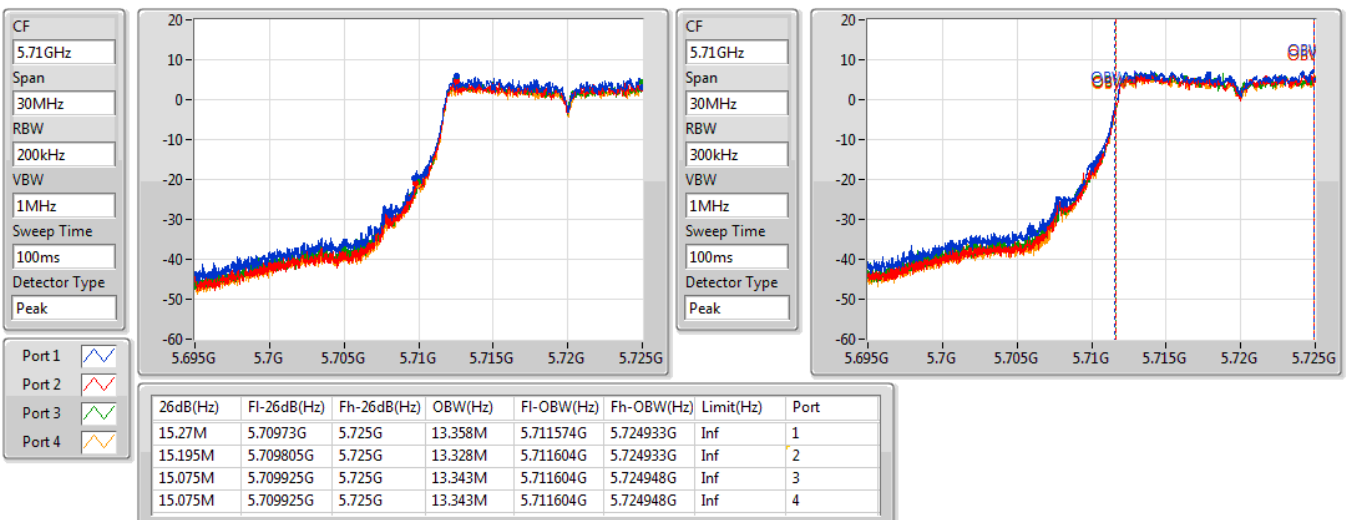


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

08/10/2021

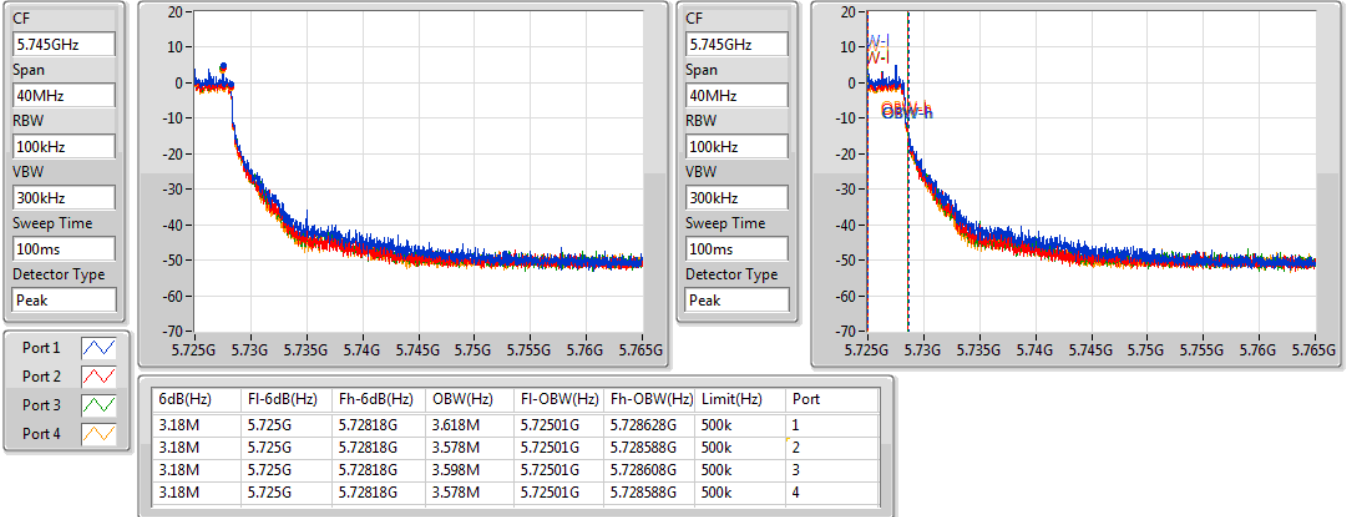


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

08/10/2021

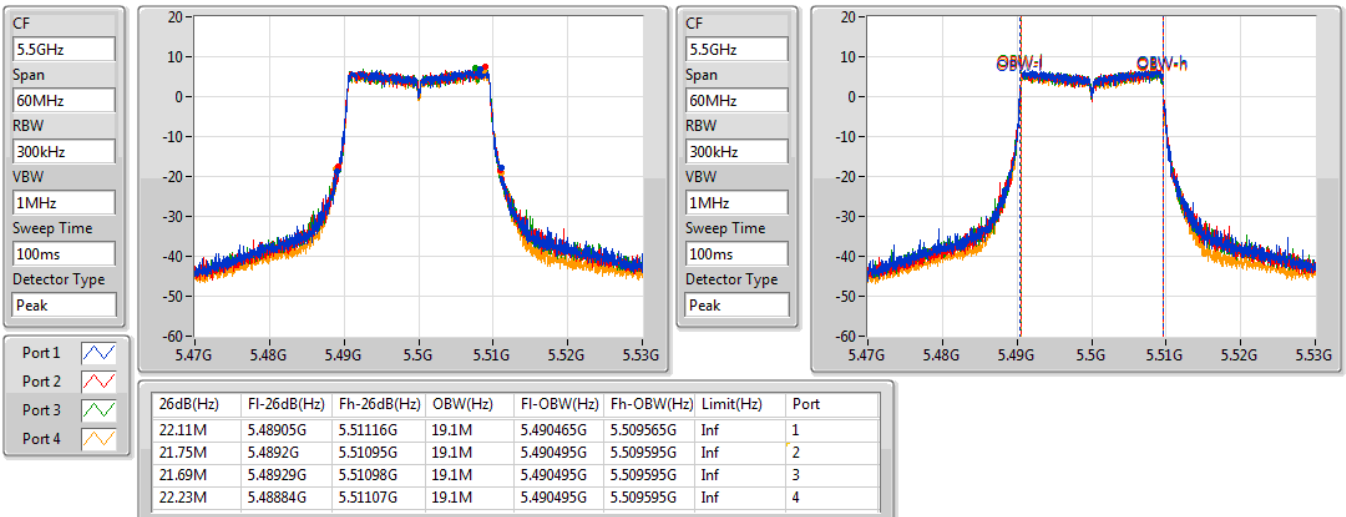


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

08/10/2021

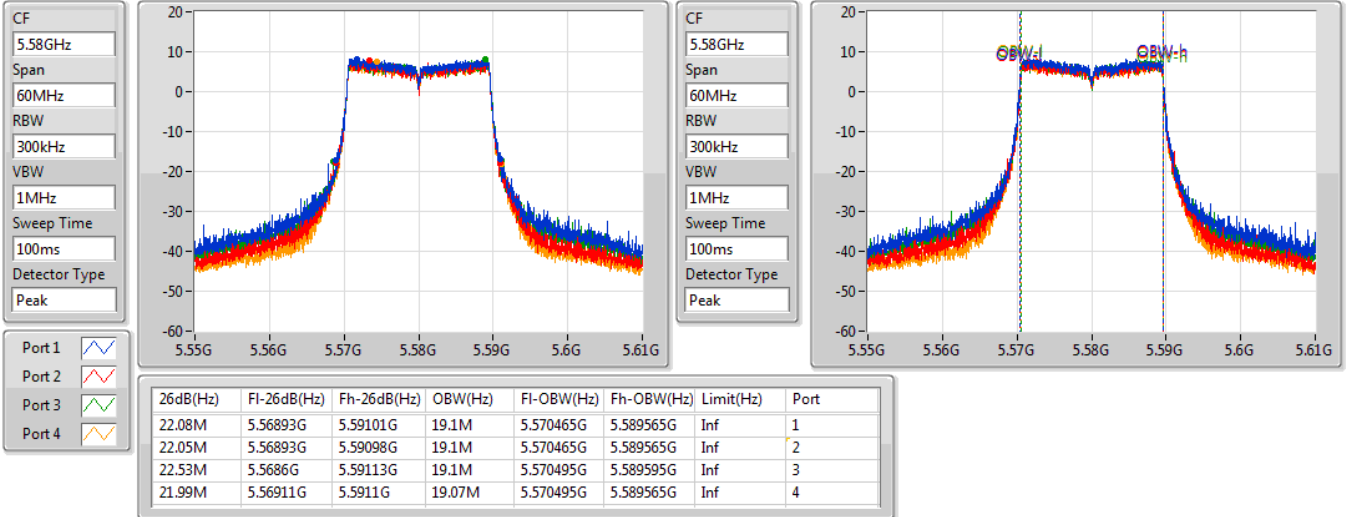


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

08/10/2021

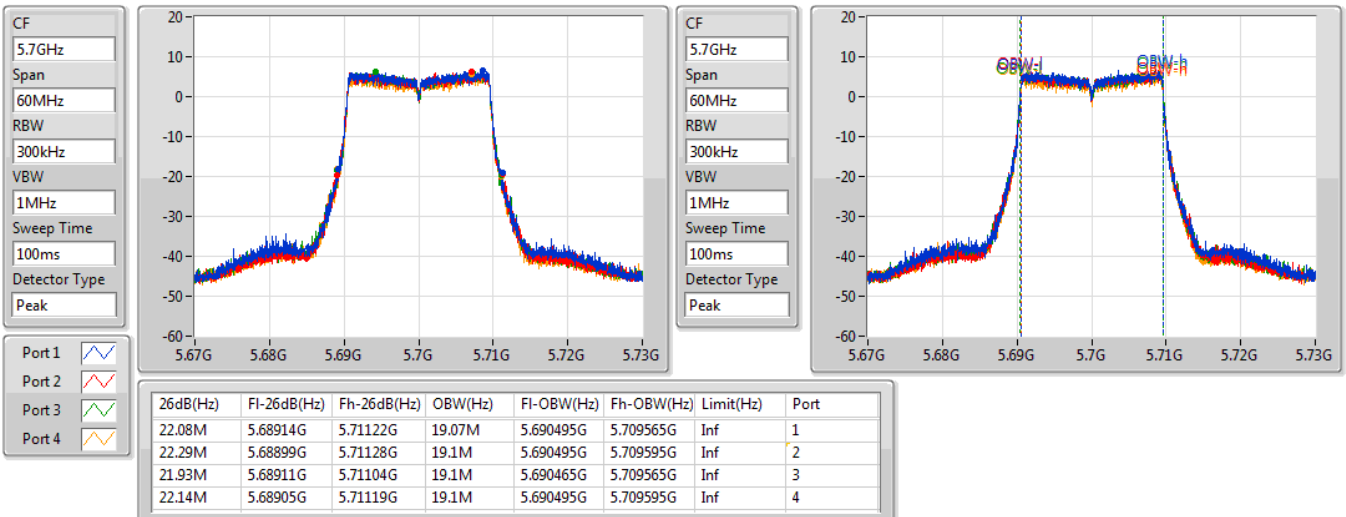


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

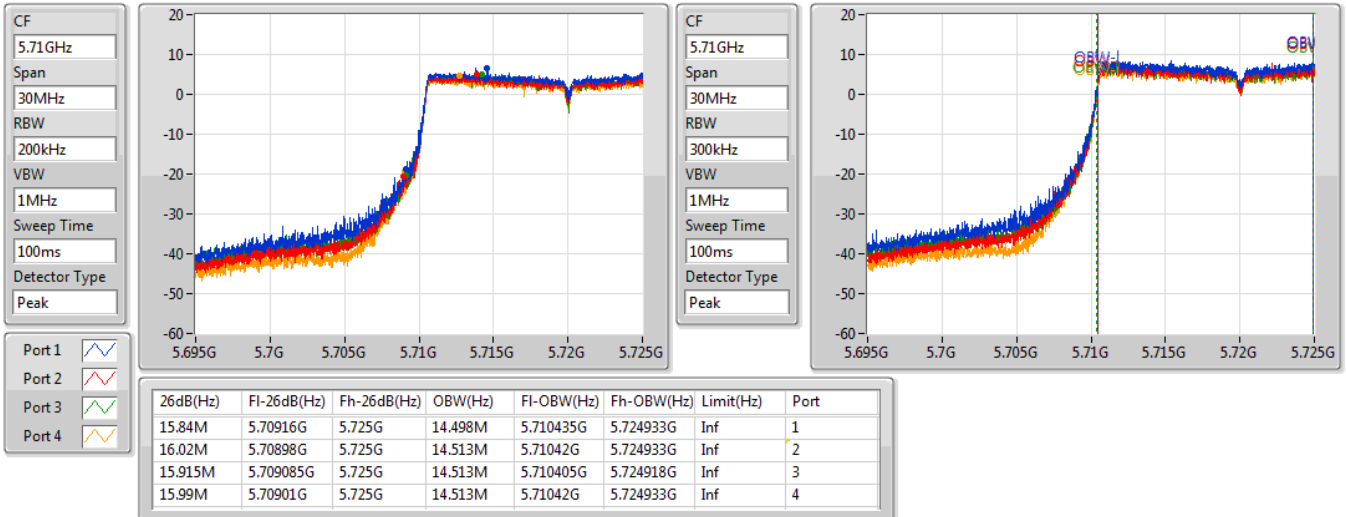
5700MHz

08/10/2021

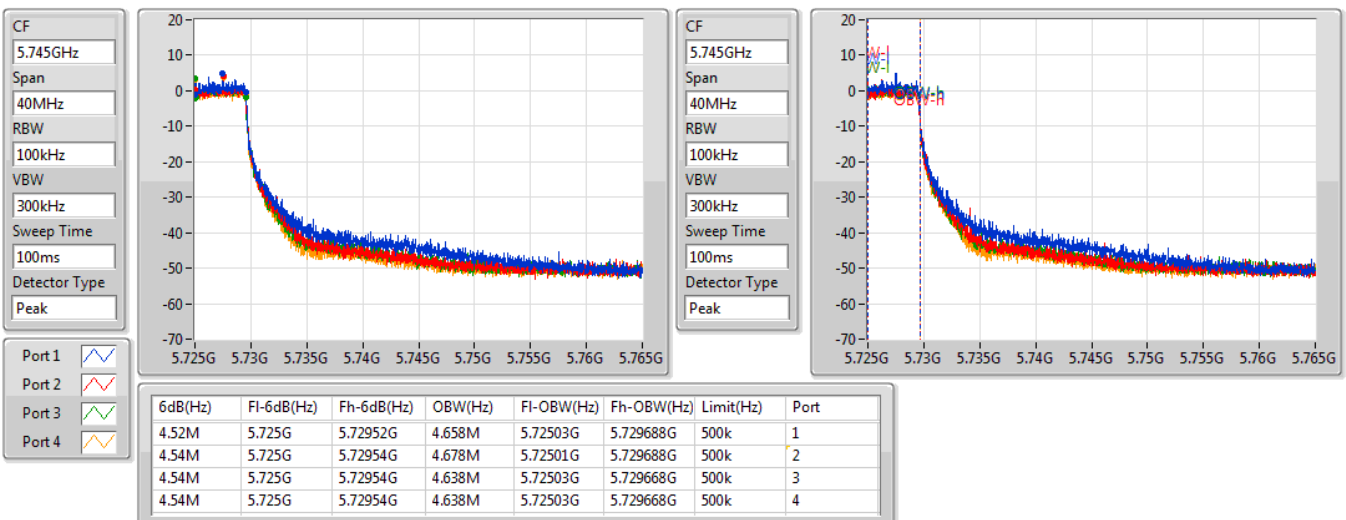


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

08/10/2021


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

08/10/2021

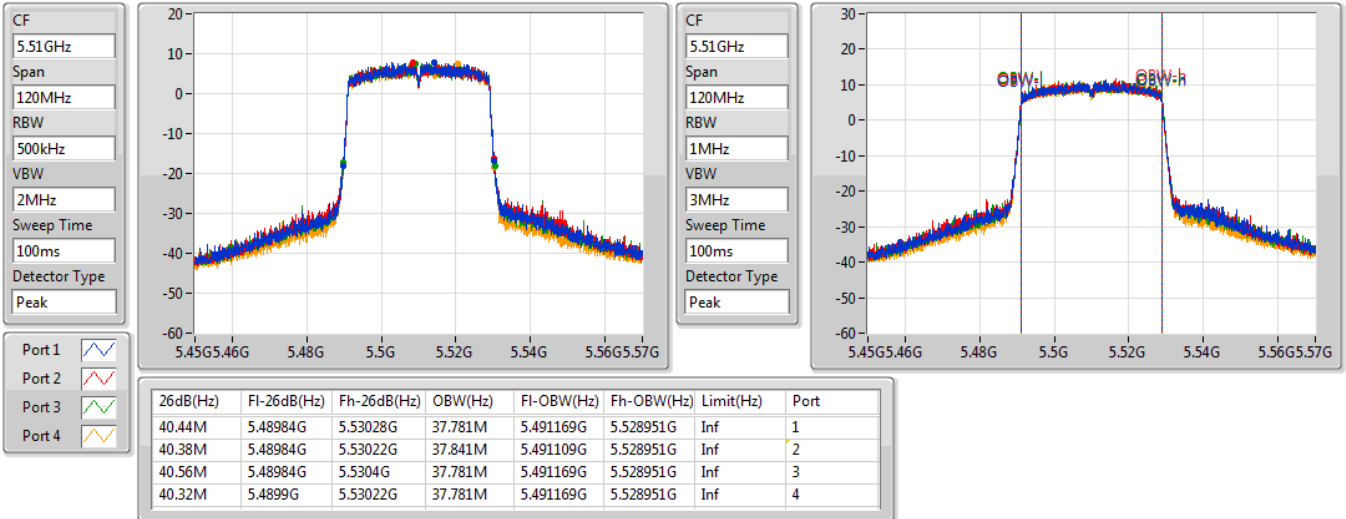


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

08/10/2021

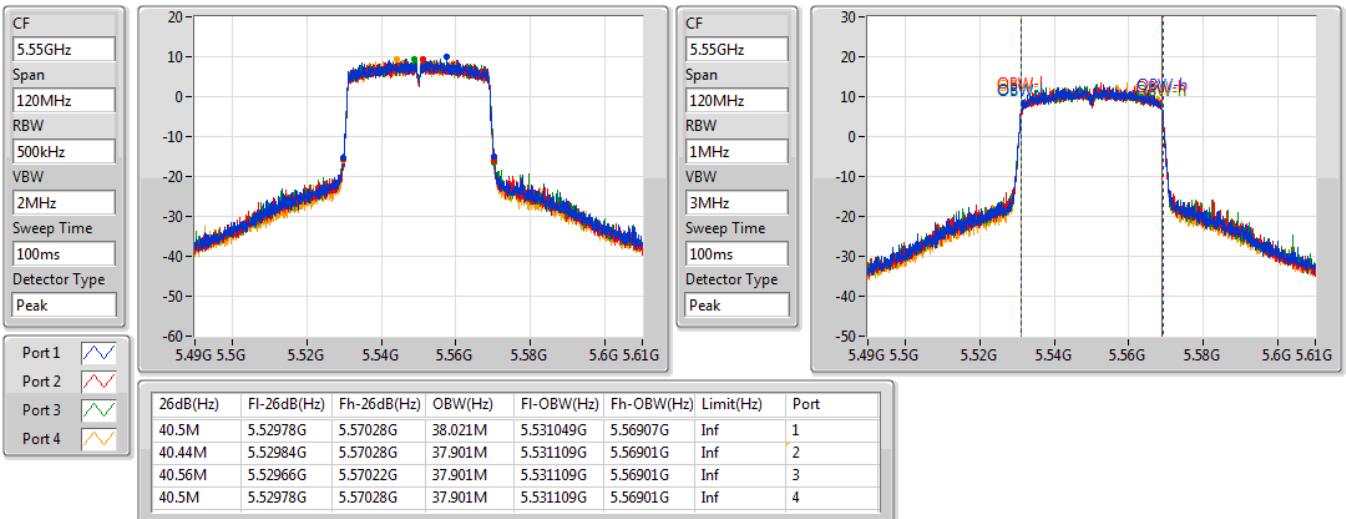


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

08/10/2021

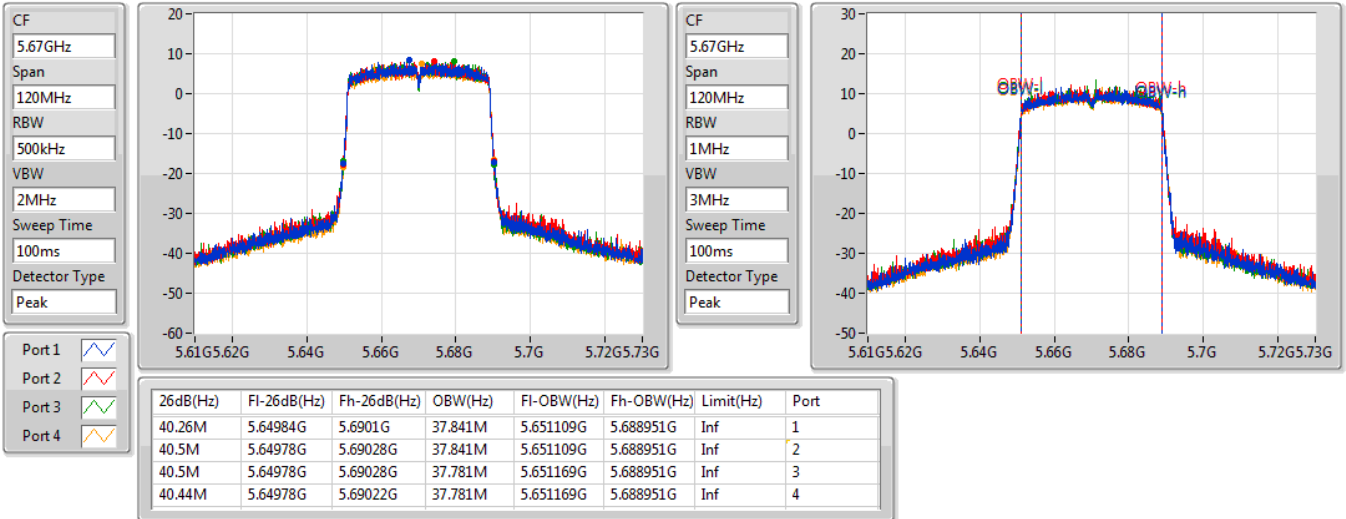


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

08/10/2021

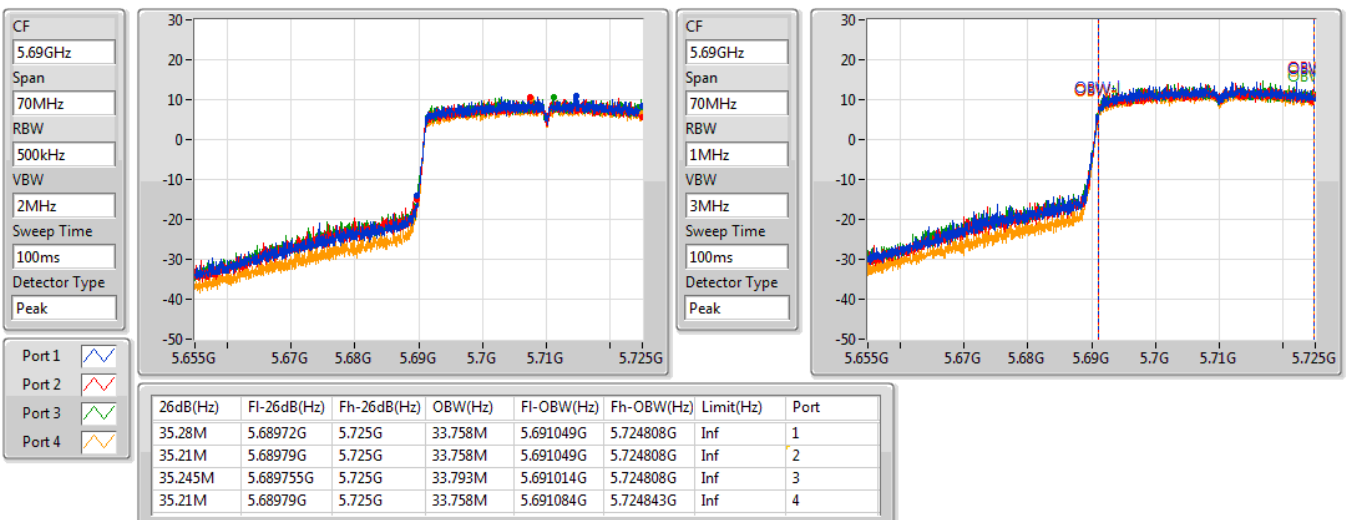


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

08/10/2021

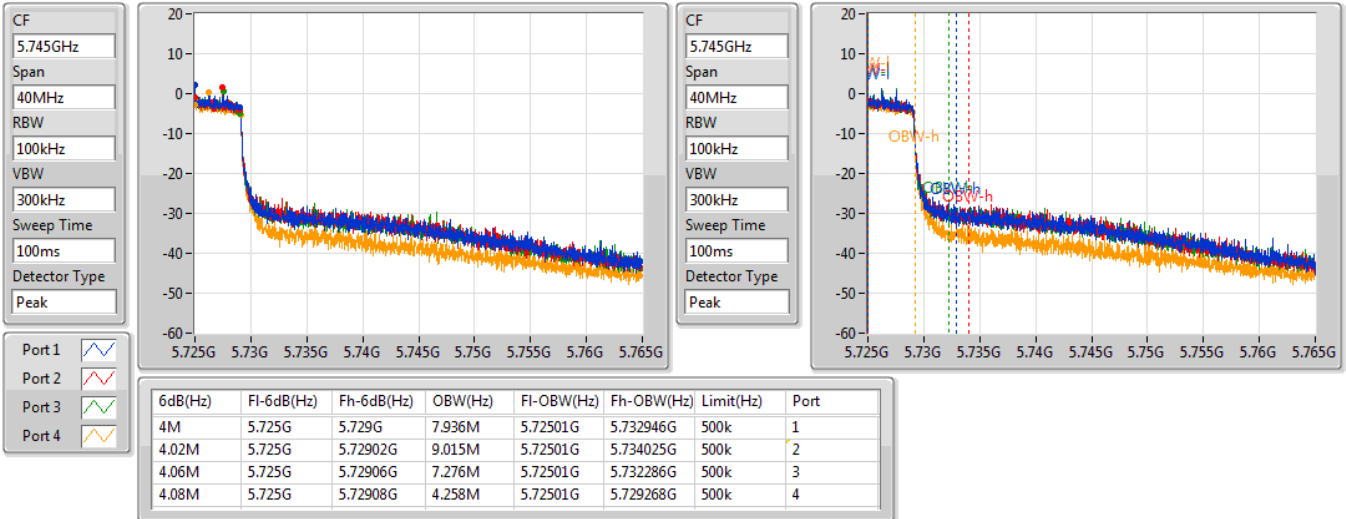


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

08/10/2021

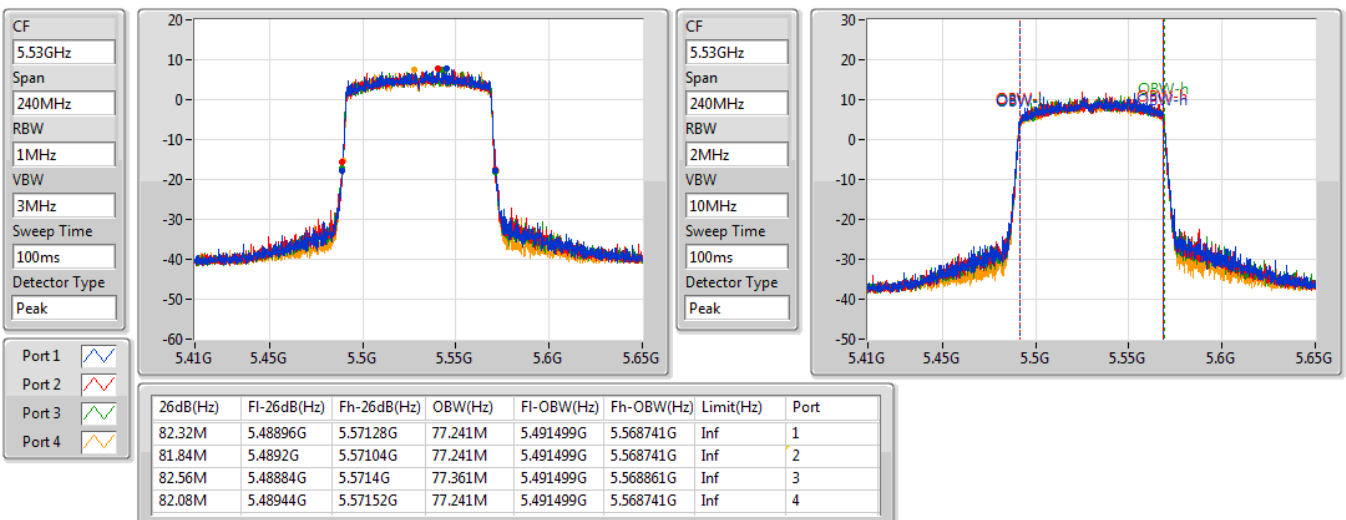


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

08/10/2021

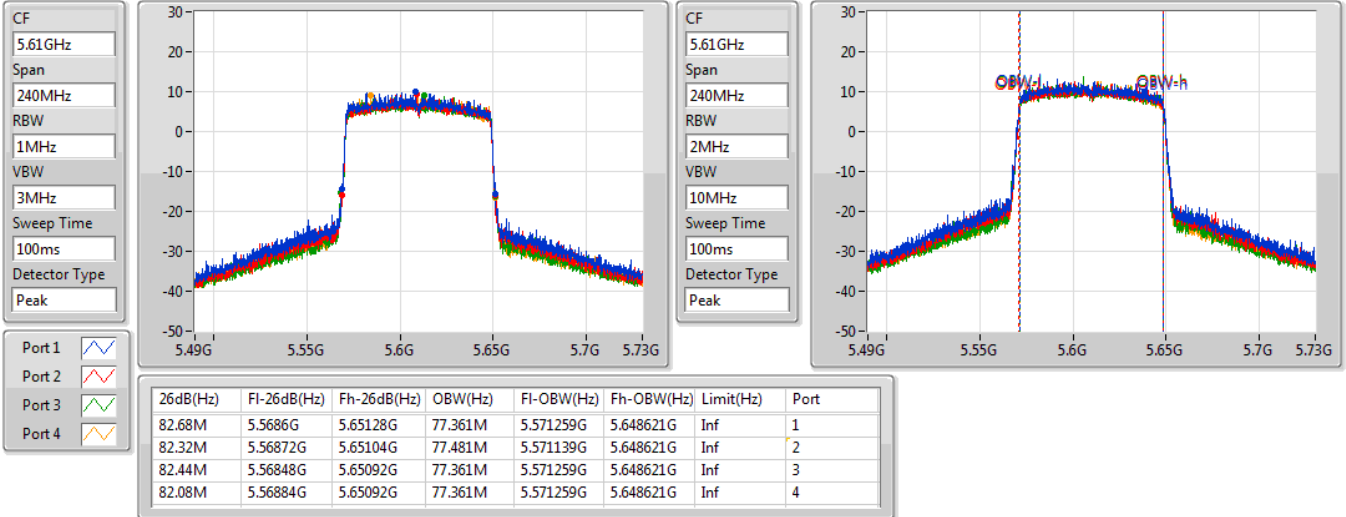


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

08/10/2021

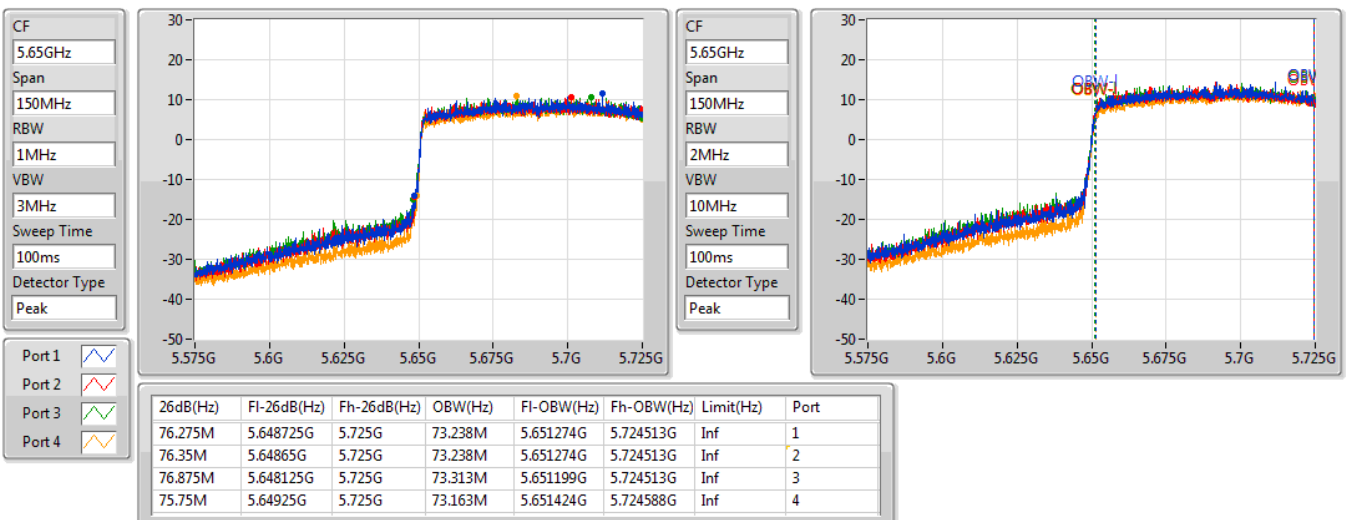


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

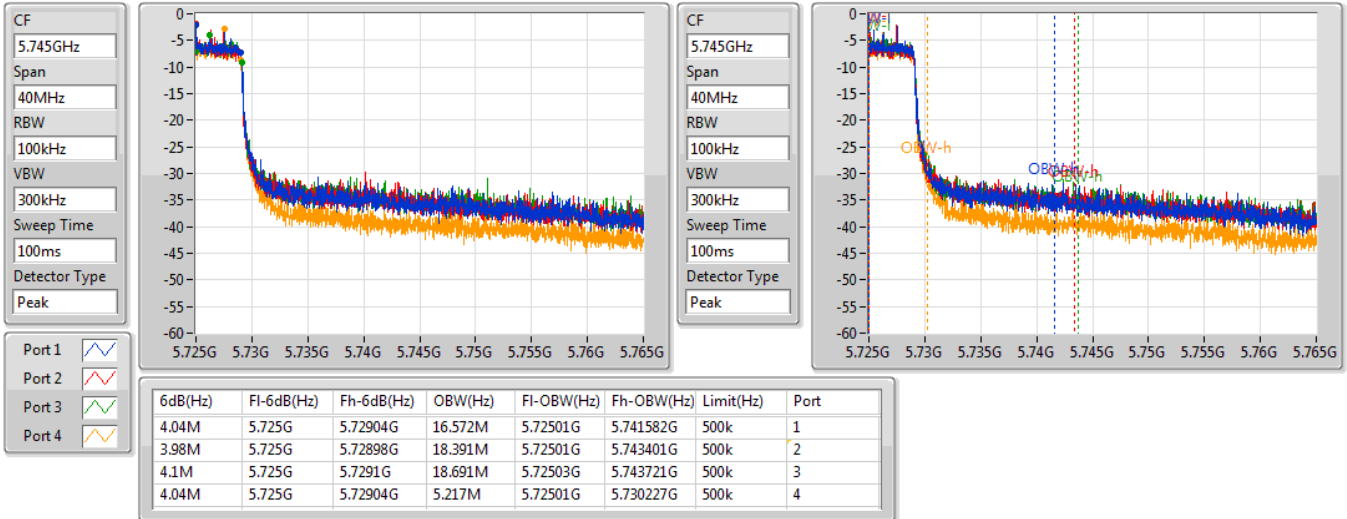
5690MHz Straddle 5.47-5.725GHz

08/10/2021



802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

08/10/2021



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_2TX	82.32M	78.041M	78M0D1D	82.24M	77.881M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	36.57M	17.991M	18M0D1D	20.25M	16.612M
802.11ax HEW20_Nss1,(MCS0)_2TX	42.81M	19.82M	19M8D1D	21.78M	19.1M
802.11ax HEW40_Nss1,(MCS0)_2TX	73.86M	38.981M	39M0D1D	40.32M	37.781M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.2M	77.361M	77M4D1D	81.72M	77.241M
802.11ax HEW160_Nss1,(MCS0)_2TX	82.64M	77.961M	78M0D1D	81.92M	77.881M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.94M	16.702M	16M7D1D	15.315M	13.358M
802.11ax HEW20_Nss1,(MCS0)_2TX	22.98M	19.19M	19M2D1D	16.155M	14.573M
802.11ax HEW40_Nss1,(MCS0)_2TX	50.995M	38.141M	38M1D1D	40.26M	34.178M
802.11ax HEW80_Nss1,(MCS0)_2TX	91.2M	77.601M	77M6D1D	82.44M	73.613M
802.11ax HEW160_Nss1,(MCS0)_2TX	164.88M	154.723M	155MD1D	163.92M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.16M	3.718M	3M72D1D	3.16M	3.638M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.54M	4.838M	4M84D1D	4.5M	4.738M
802.11ax HEW40_Nss1,(MCS0)_2TX	4.12M	24.888M	24M9D1D	4M	23.048M
802.11ax HEW80_Nss1,(MCS0)_2TX	4.12M	33.543M	33M5D1D	4.06M	31.484M

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	-	-	-	-	-	-
5260MHz	Pass	Inf	32.73M	17.331M	36.57M	17.991M
5300MHz	Pass	Inf	25.53M	16.942M	31.53M	17.121M
5320MHz	Pass	Inf	20.25M	16.672M	20.67M	16.612M
5500MHz	Pass	Inf	20.43M	16.672M	20.61M	16.612M
5580MHz	Pass	Inf	20.73M	16.702M	20.94M	16.672M
5700MHz	Pass	Inf	20.22M	16.672M	20.52M	16.612M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.315M	13.373M	15.33M	13.358M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.638M	3.16M	3.718M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	38.01M	19.46M	42.81M	19.82M
5300MHz	Pass	Inf	32.97M	19.34M	38.25M	19.49M
5320MHz	Pass	Inf	21.78M	19.16M	22.02M	19.1M
5500MHz	Pass	Inf	22.2M	19.13M	21.93M	19.07M
5580MHz	Pass	Inf	21.93M	19.16M	22.98M	19.19M
5700MHz	Pass	Inf	21.81M	19.13M	21.93M	19.1M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.155M	14.573M	17.445M	14.603M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.5M	4.738M	4.54M	4.838M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	71.88M	38.441M	73.86M	38.981M
5310MHz	Pass	Inf	40.32M	37.781M	40.56M	37.841M
5510MHz	Pass	Inf	40.44M	37.781M	40.26M	37.781M
5550MHz	Pass	Inf	41.16M	37.961M	46.14M	38.141M
5670MHz	Pass	Inf	40.62M	37.781M	40.32M	37.901M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	49.56M	34.178M	50.995M	34.458M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4M	23.048M	4.12M	24.888M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.2M	77.361M	81.72M	77.241M
5530MHz	Pass	Inf	82.56M	77.241M	83.04M	77.361M
5610MHz	Pass	Inf	82.44M	77.481M	82.8M	77.601M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	82.65M	73.613M	91.2M	73.763M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	31.484M	4.12M	33.543M
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.32M	77.881M	82.24M	78.041M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.64M	77.881M	81.92M	77.961M
5570MHz	Pass	Inf	164.88M	154.723M	163.92M	154.723M

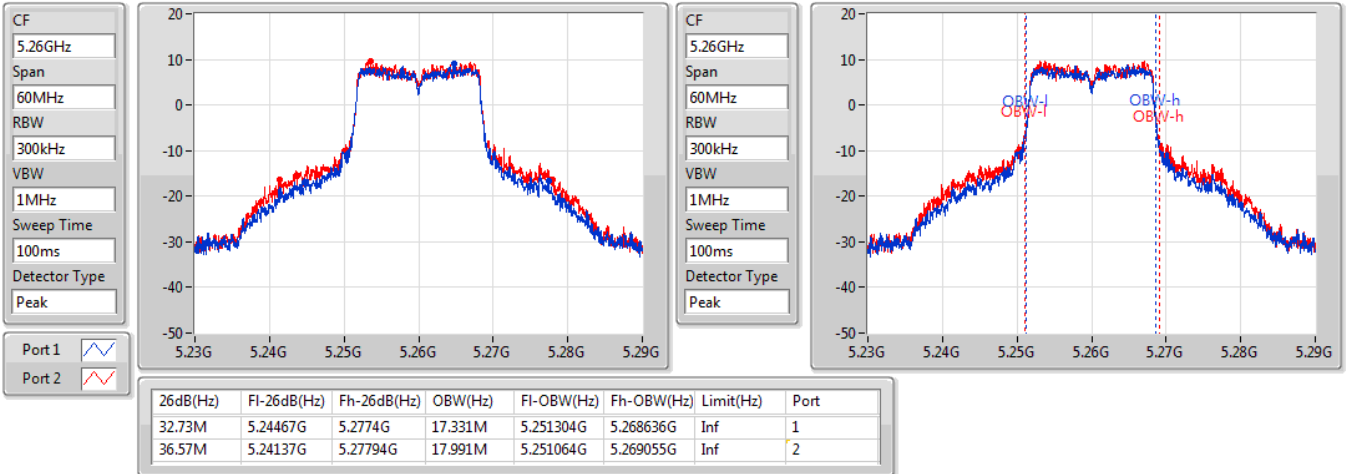
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

08/10/2021

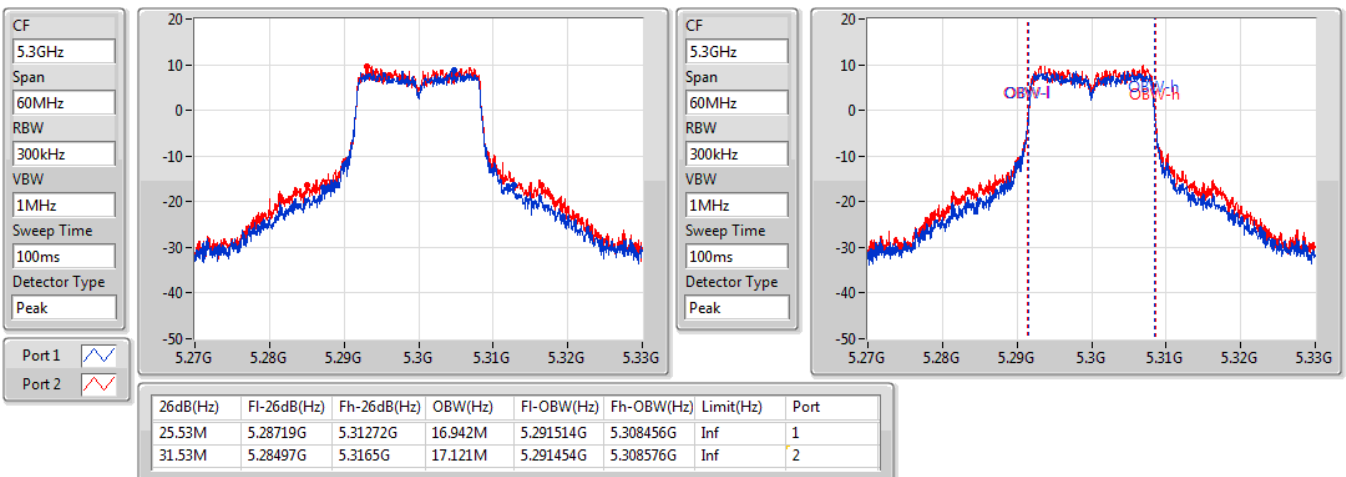


802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

08/10/2021

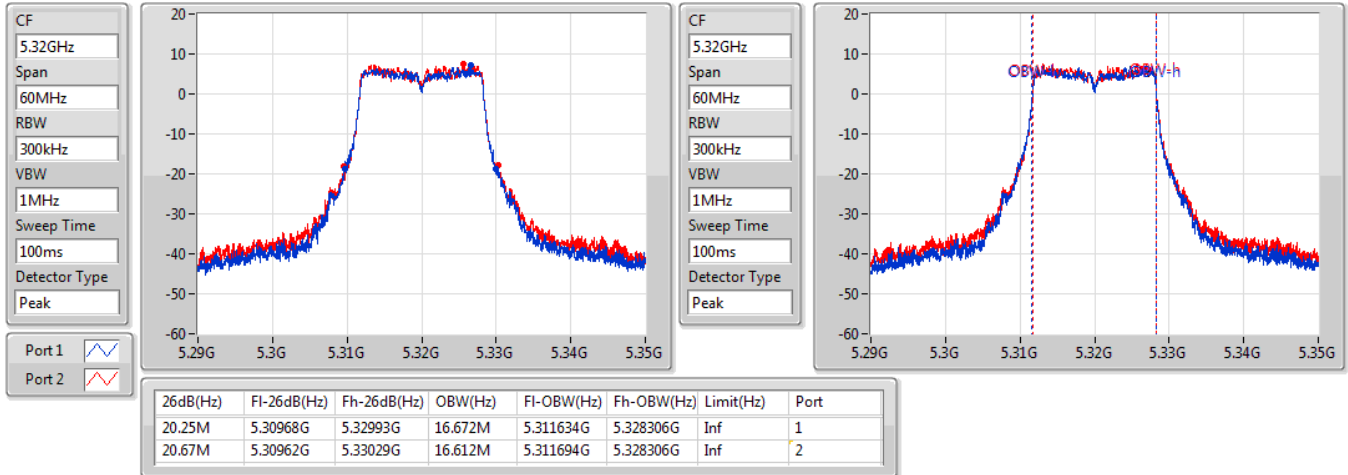


802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

08/10/2021

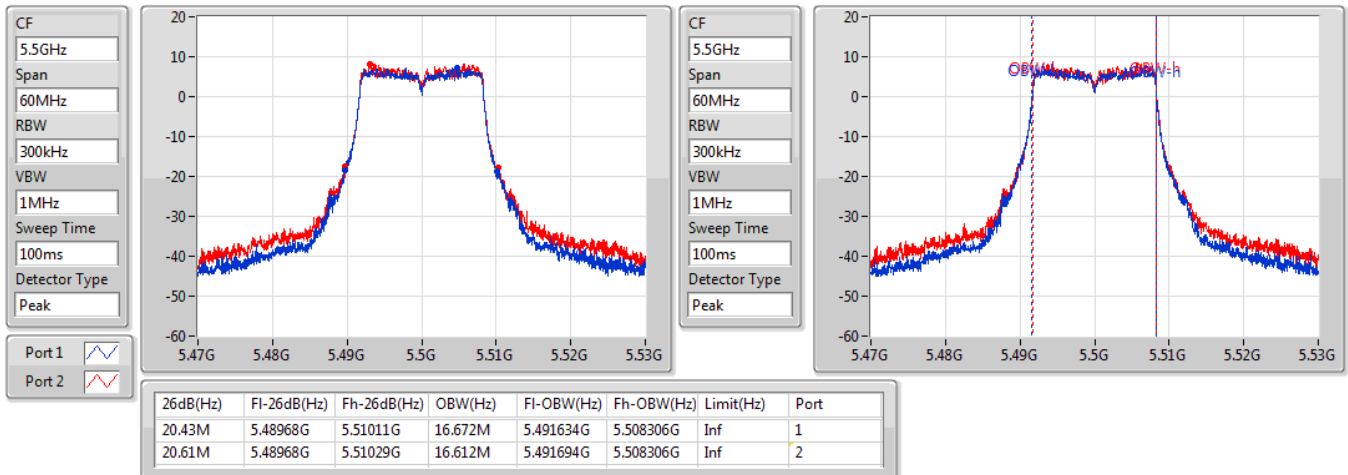


802.11a_Nss1,(6Mbps)_2TX

EBW

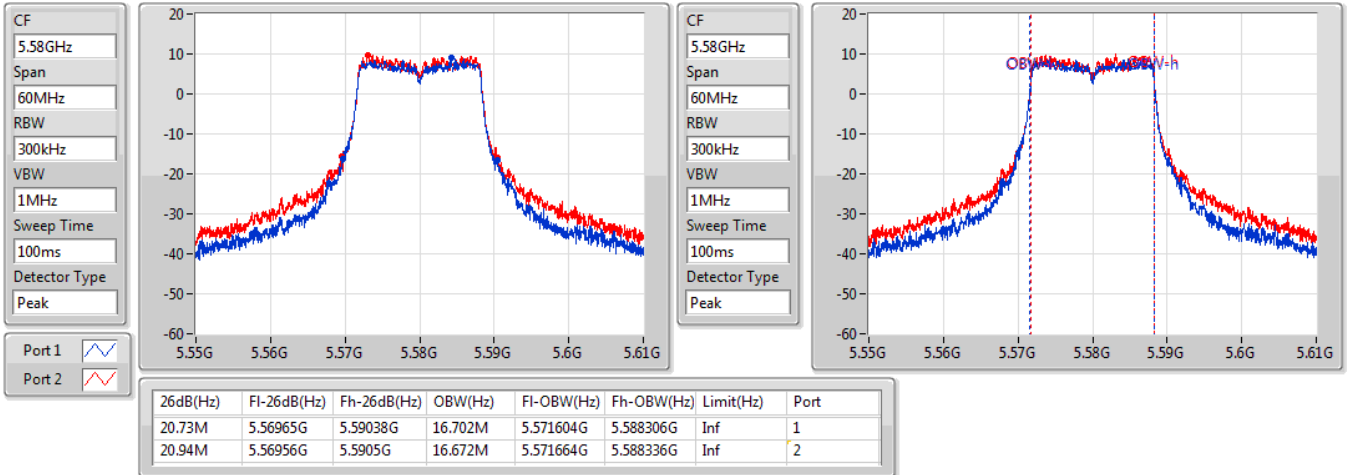
5500MHz

08/10/2021

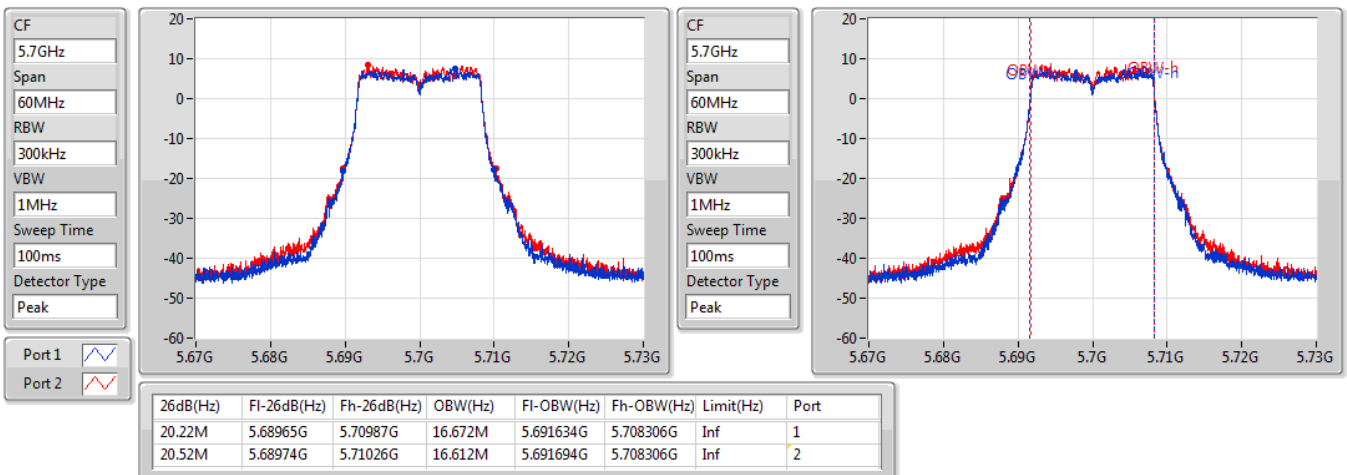


802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

08/10/2021

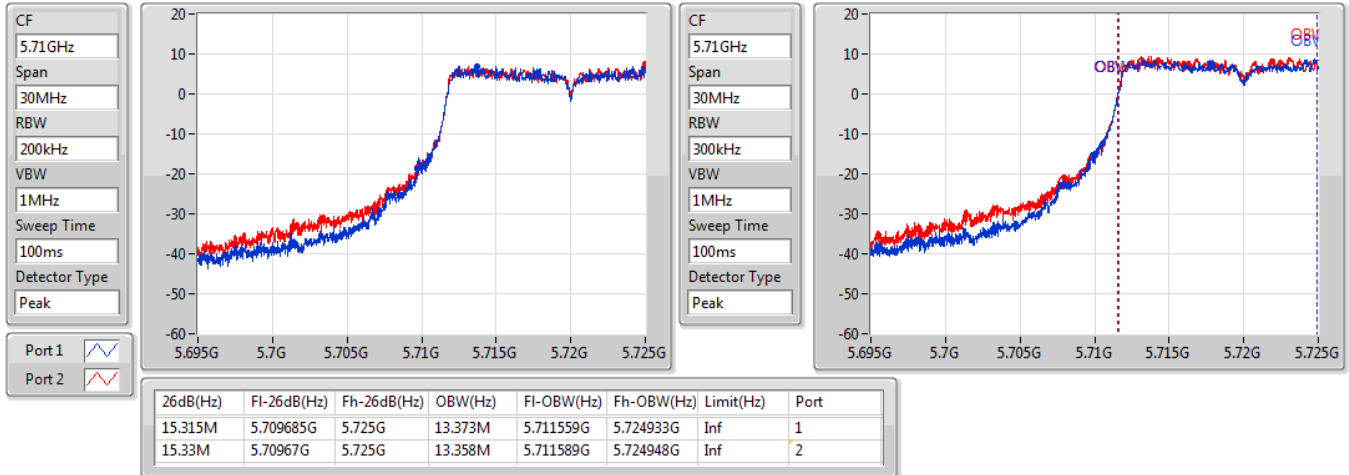

802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

08/10/2021

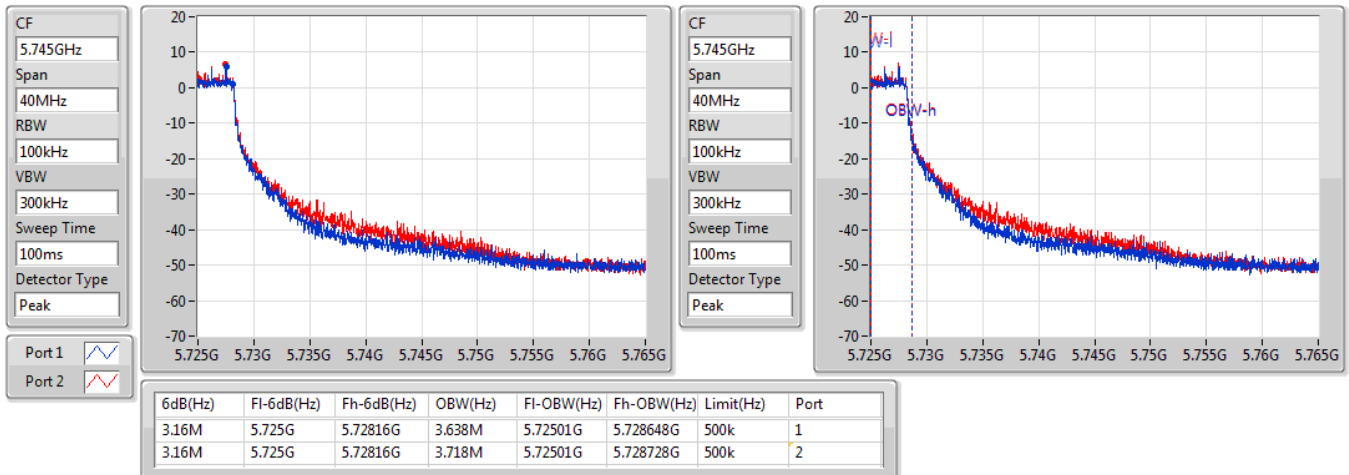


802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

08/10/2021

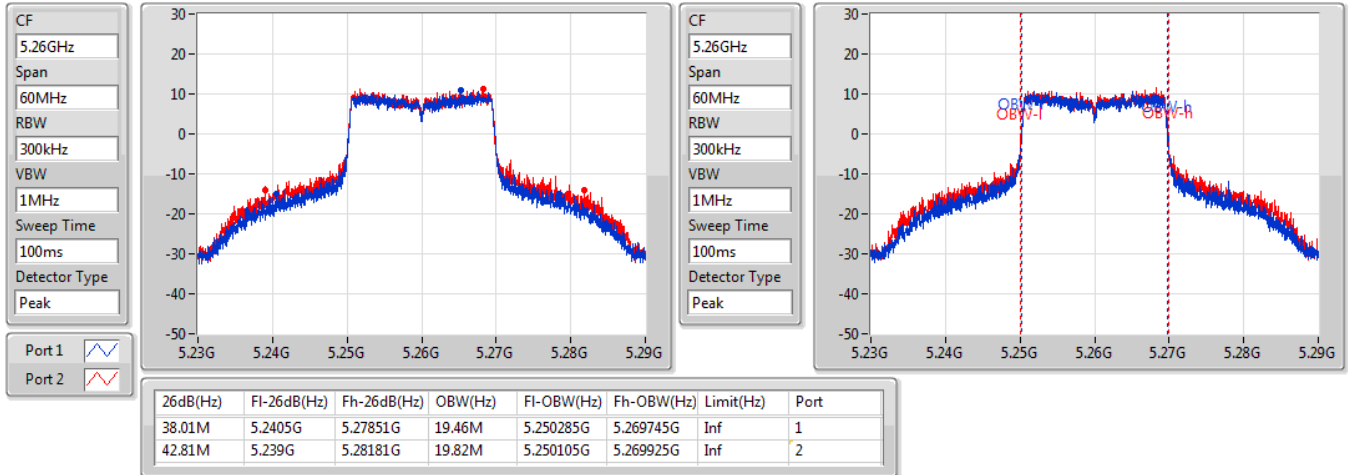

802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

08/10/2021

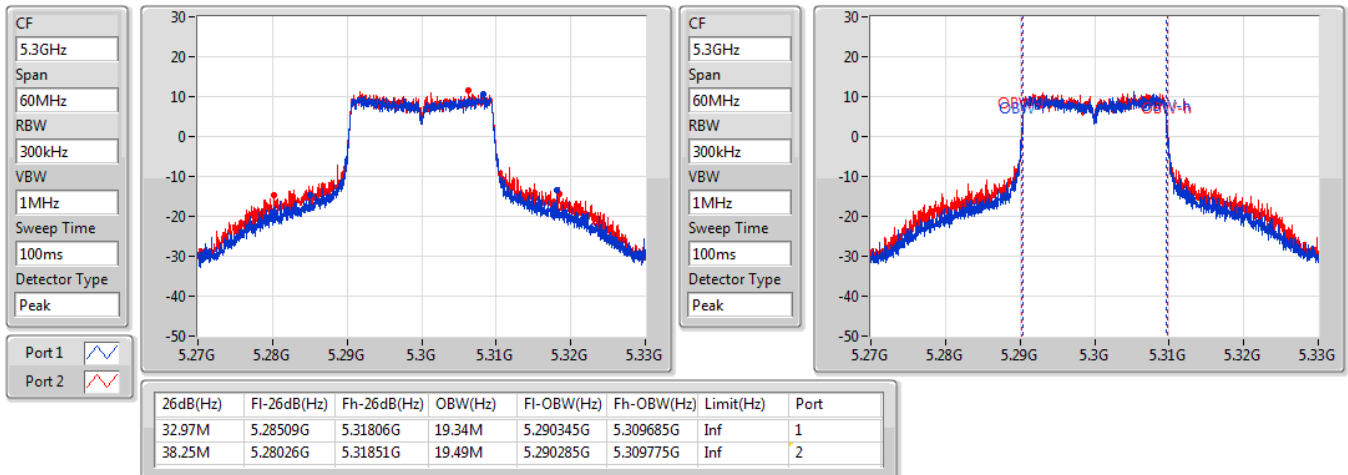


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5260MHz

09/10/2021


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5300MHz

09/10/2021

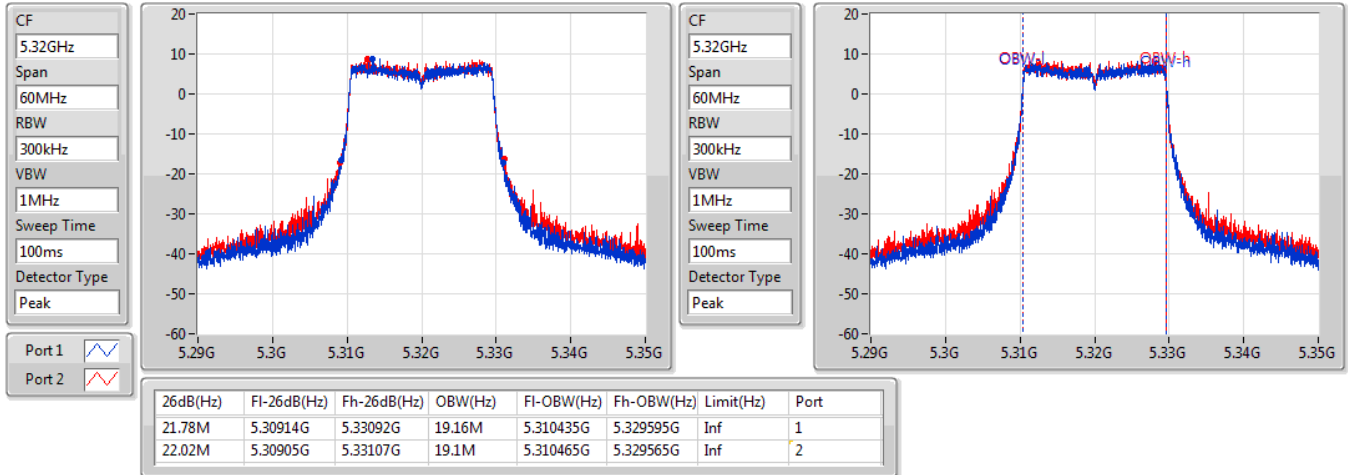


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5320MHz

09/10/2021

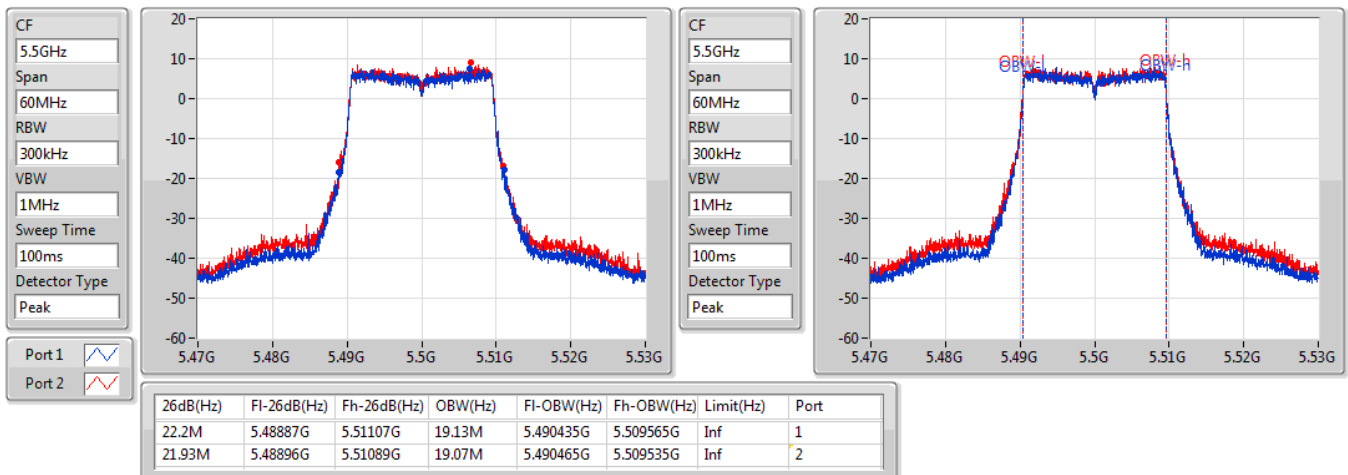


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5500MHz

09/10/2021

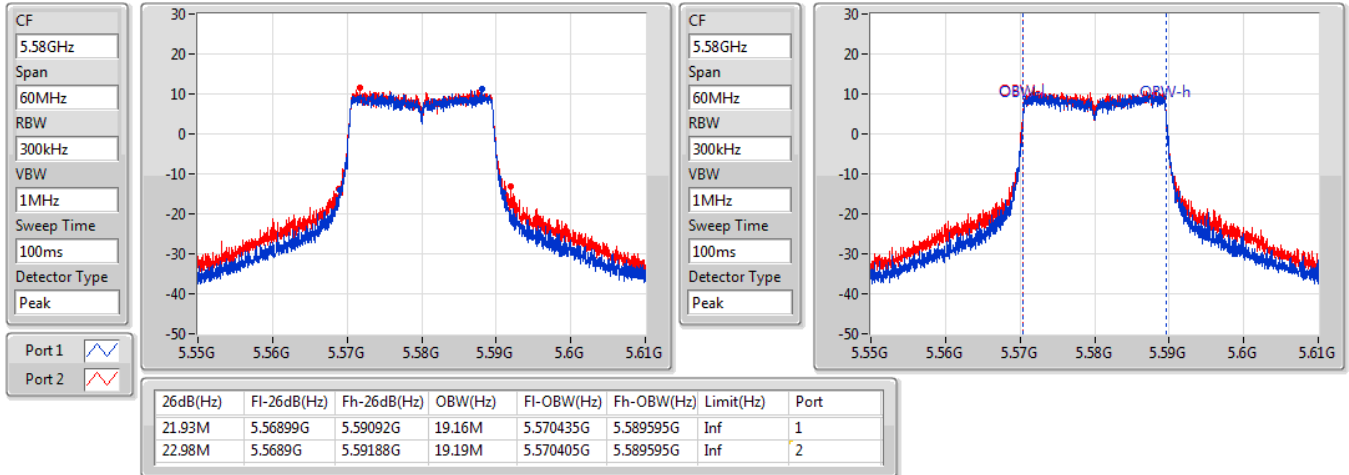


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5580MHz

09/10/2021

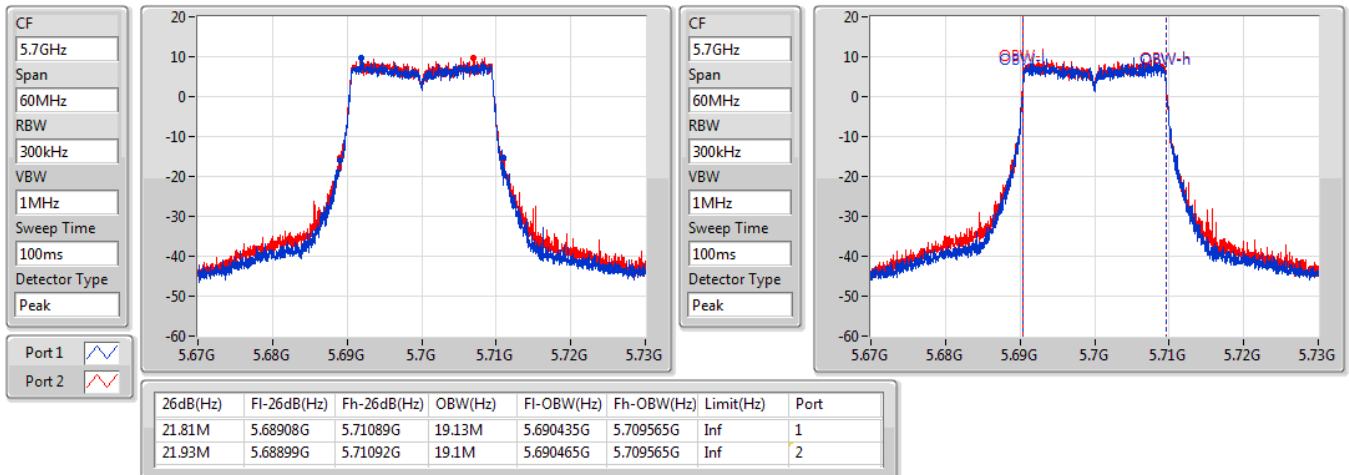


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5700MHz

09/10/2021

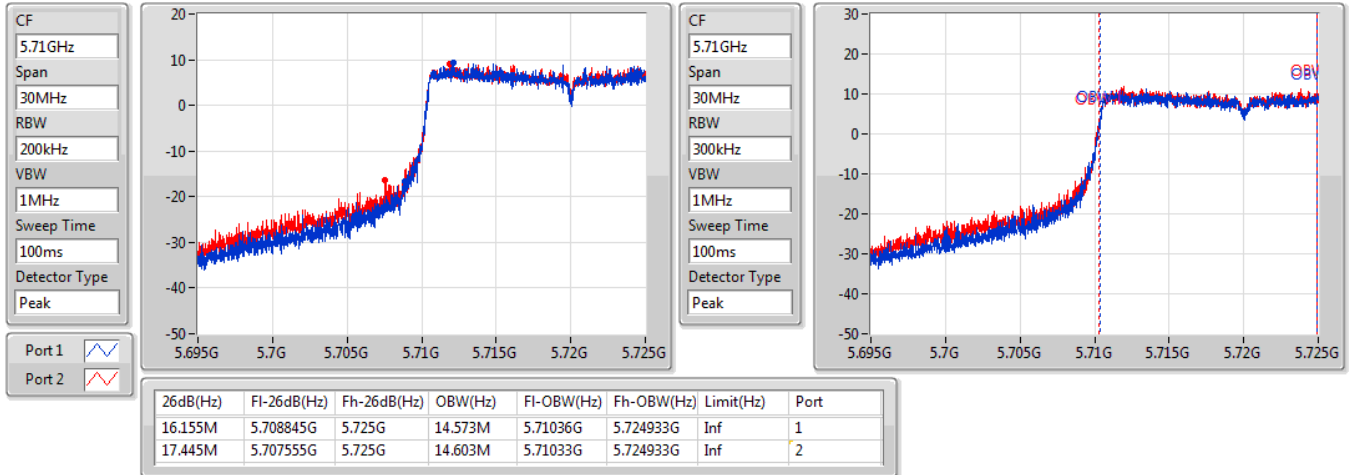


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

09/10/2021

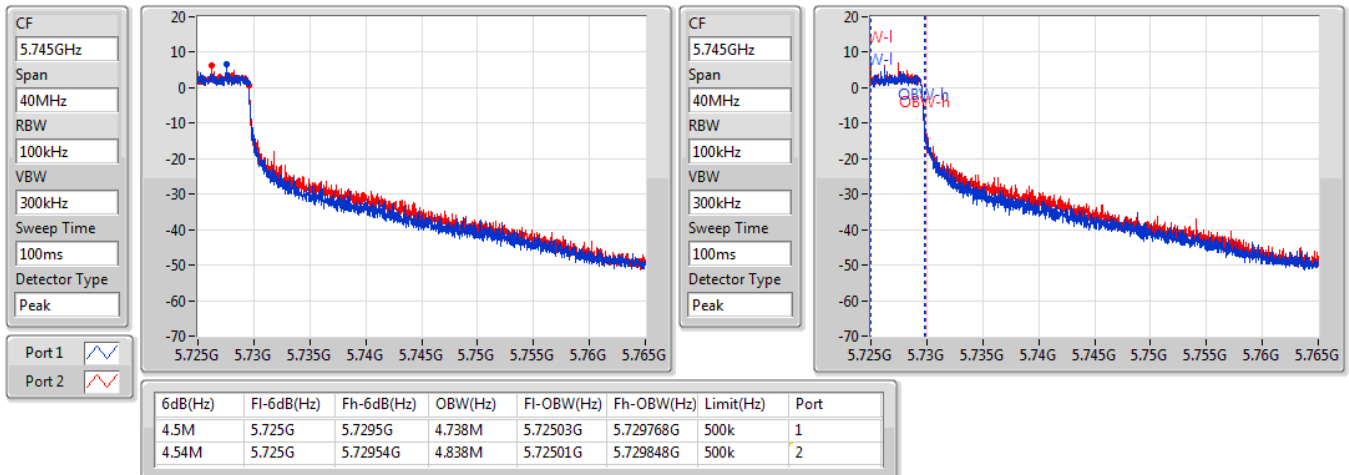


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

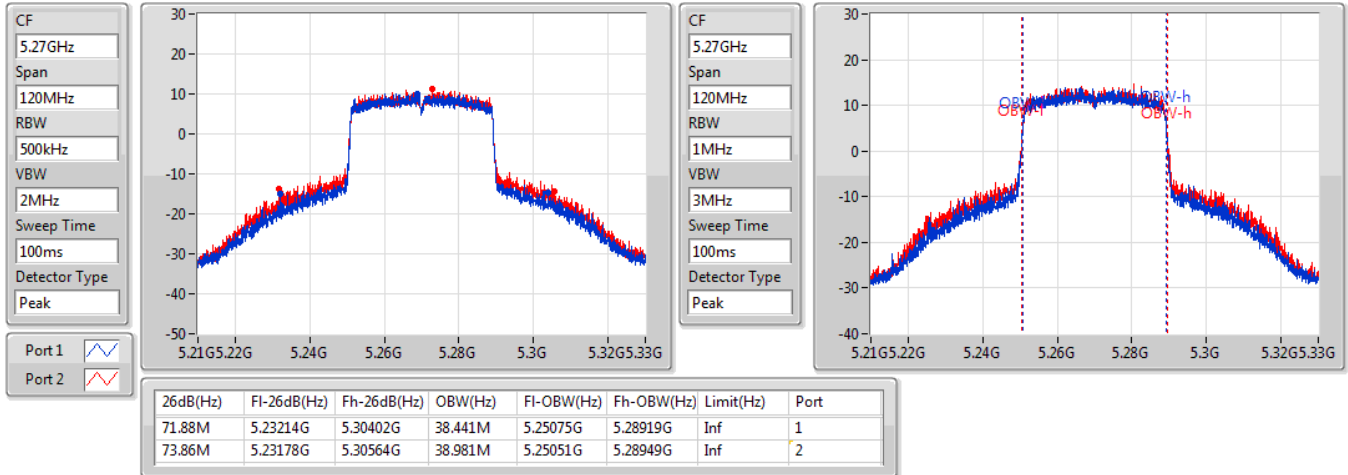
5720MHz Straddle 5.725-5.85GHz

09/10/2021

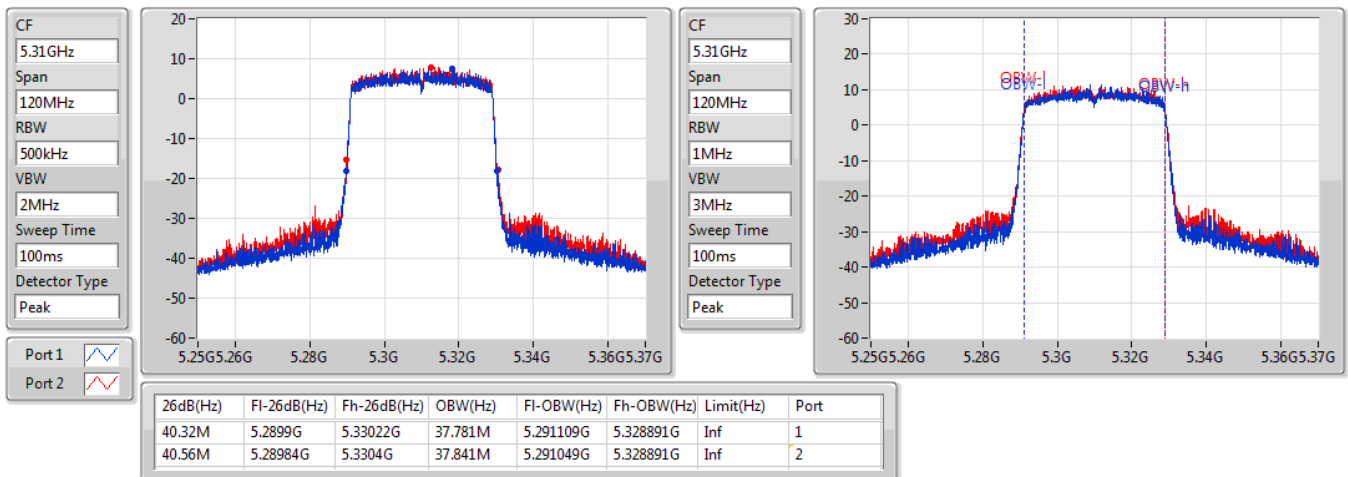


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5270MHz

09/10/2021


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5310MHz

09/10/2021

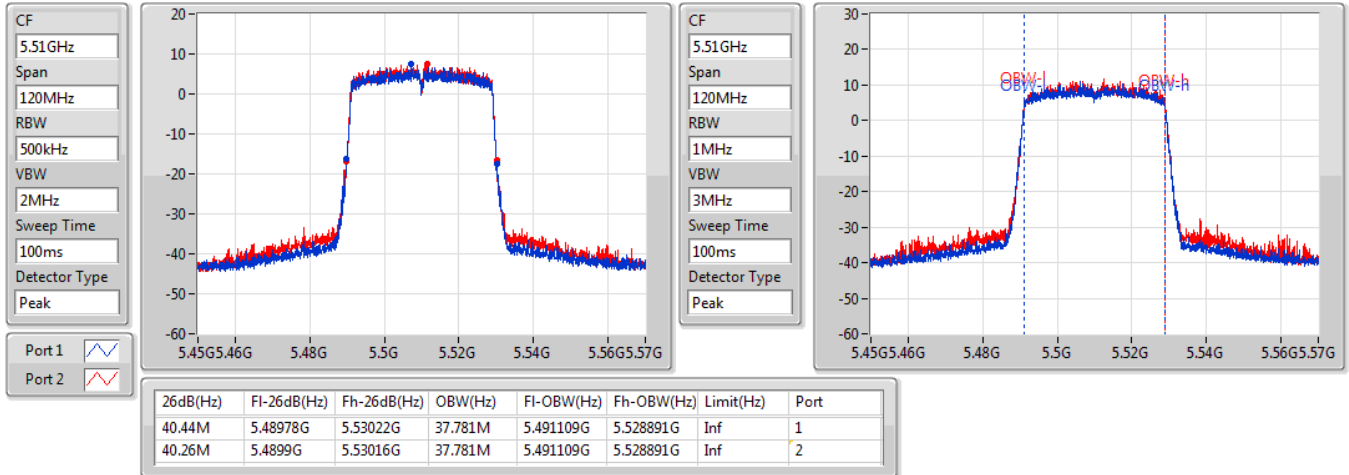


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5510MHz

09/10/2021

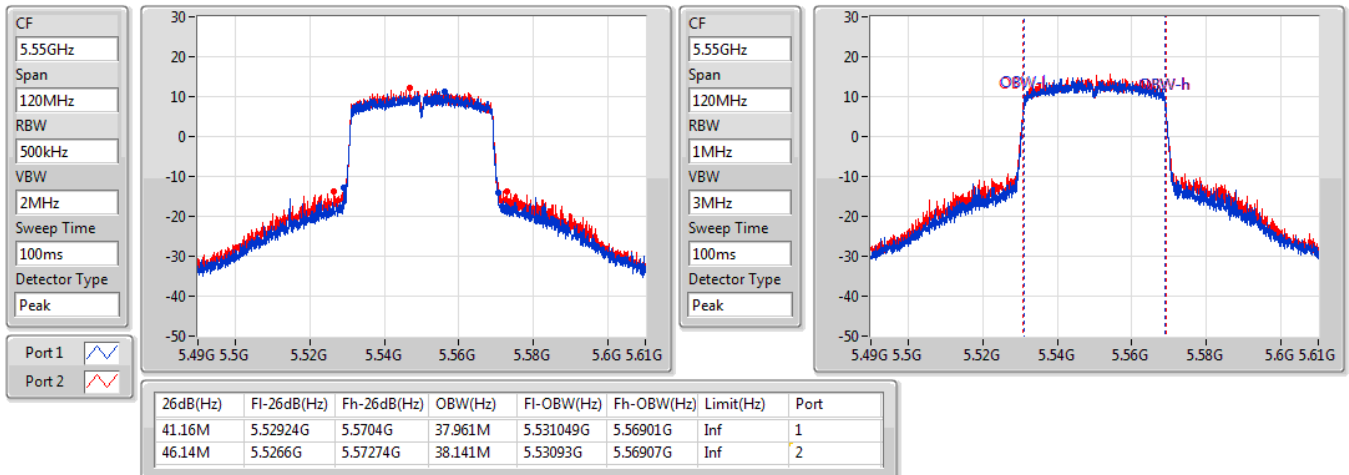


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5550MHz

09/10/2021

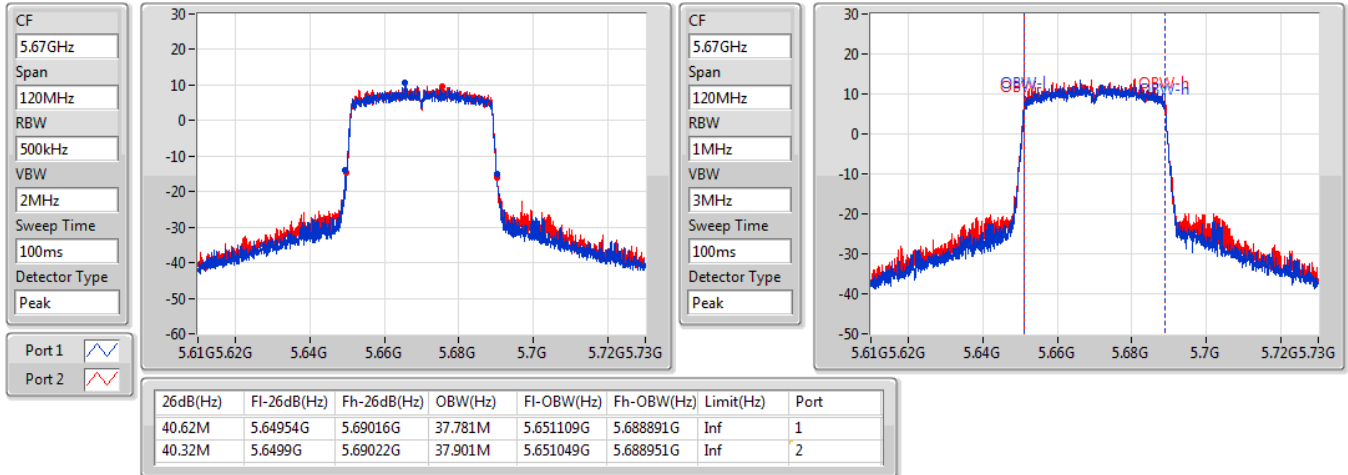


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5670MHz

09/10/2021

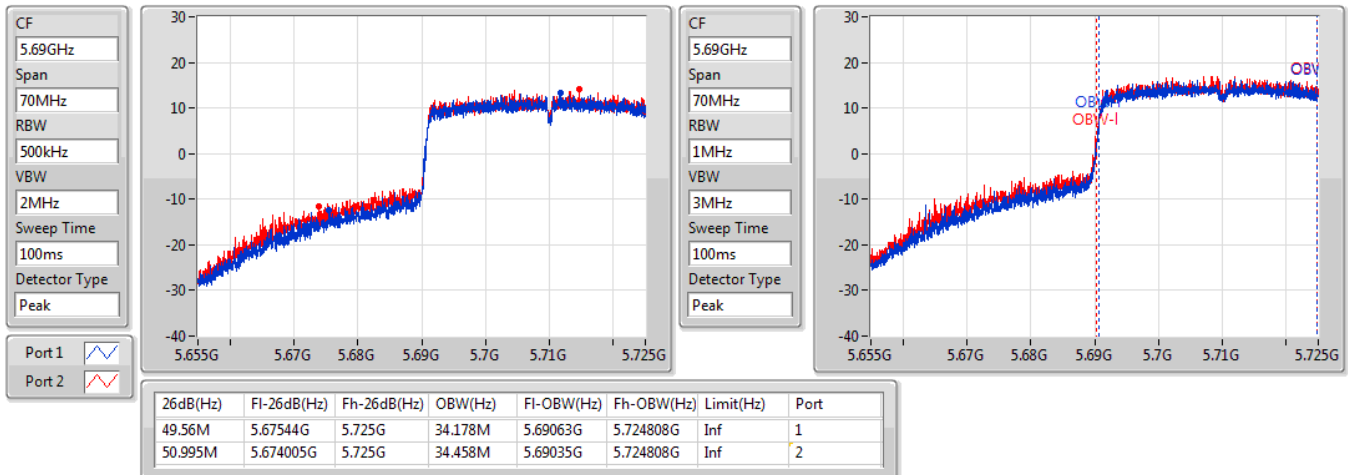


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

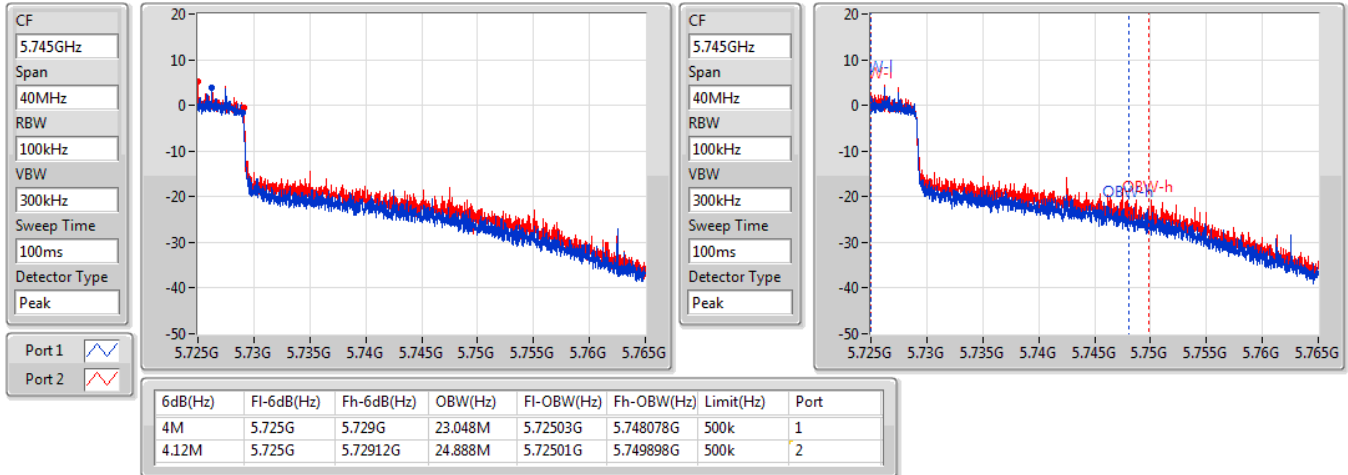
5710MHz Straddle 5.47-5.725GHz

09/10/2021

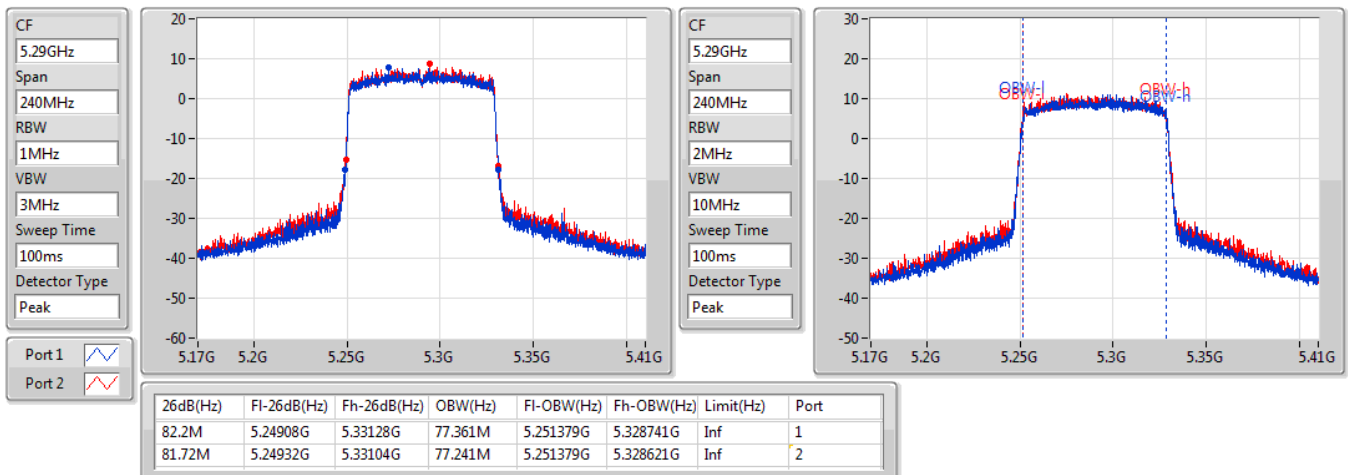


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

09/10/2021

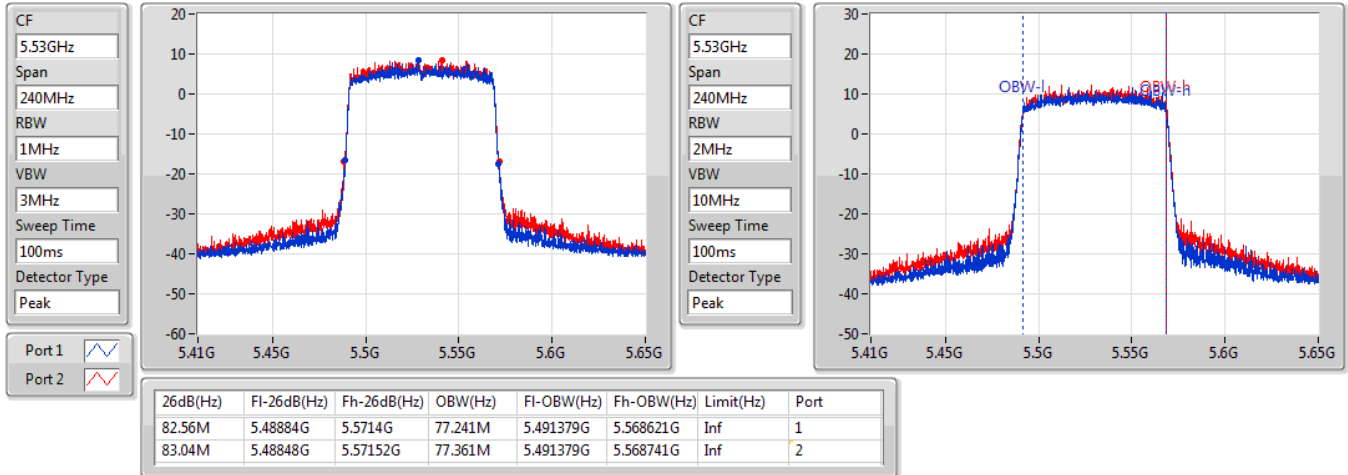

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5290MHz

09/10/2021

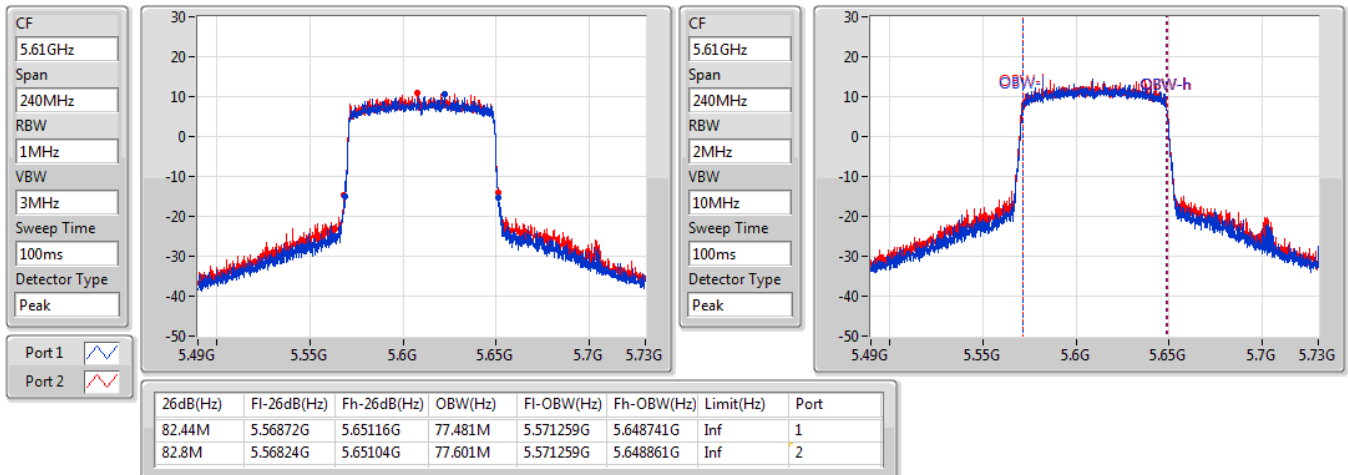


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5530MHz

09/10/2021


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5610MHz

09/10/2021

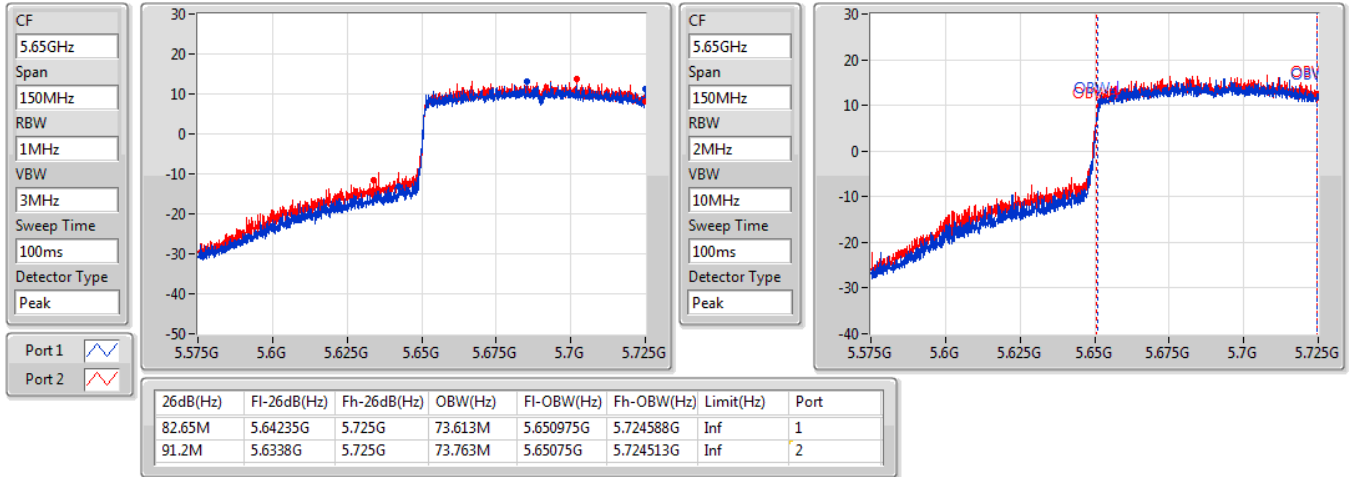


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

09/10/2021

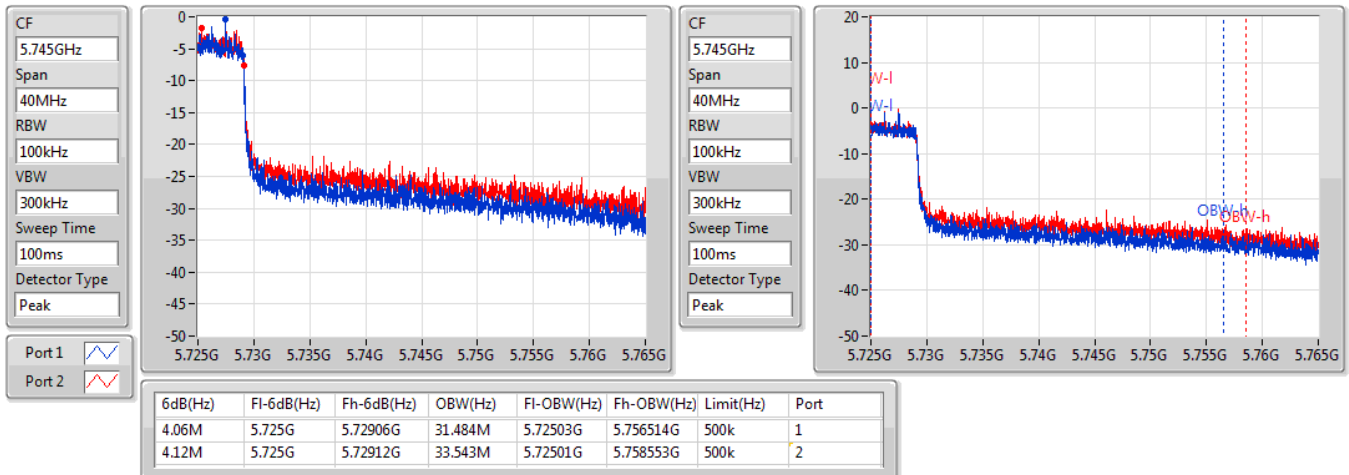


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

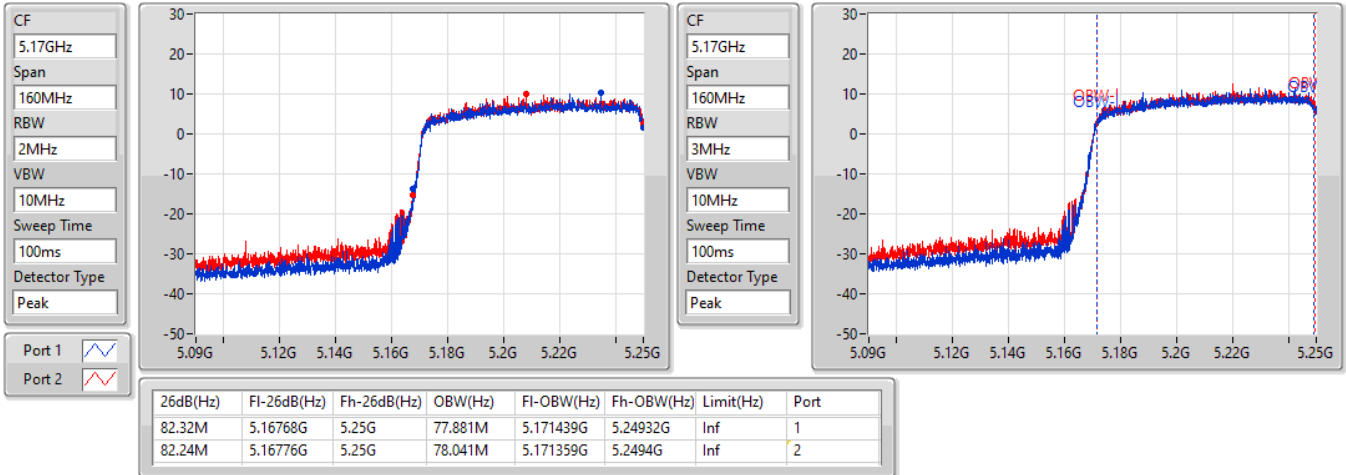
5690MHz Straddle 5.725-5.85GHz

09/10/2021

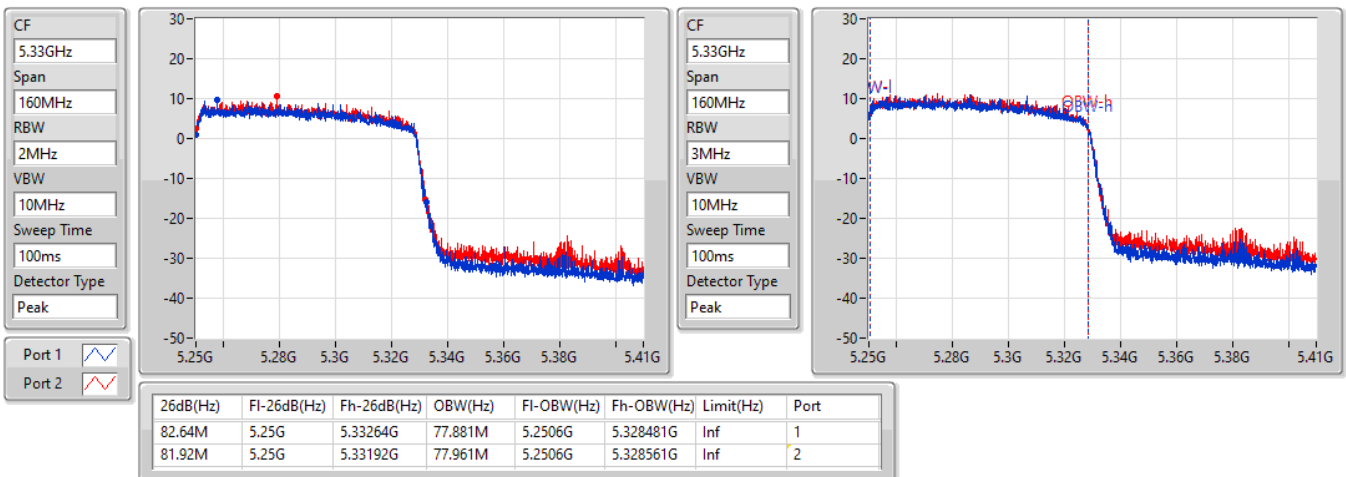


802.11ax HEW160_Nss1,(MCS0)_2TX
EBW
5250MHz Straddle 5.15-5.25GHz

20/10/2021


802.11ax HEW160_Nss1,(MCS0)_2TX
EBW
5250MHz Straddle 5.25-5.35GHz

20/10/2021

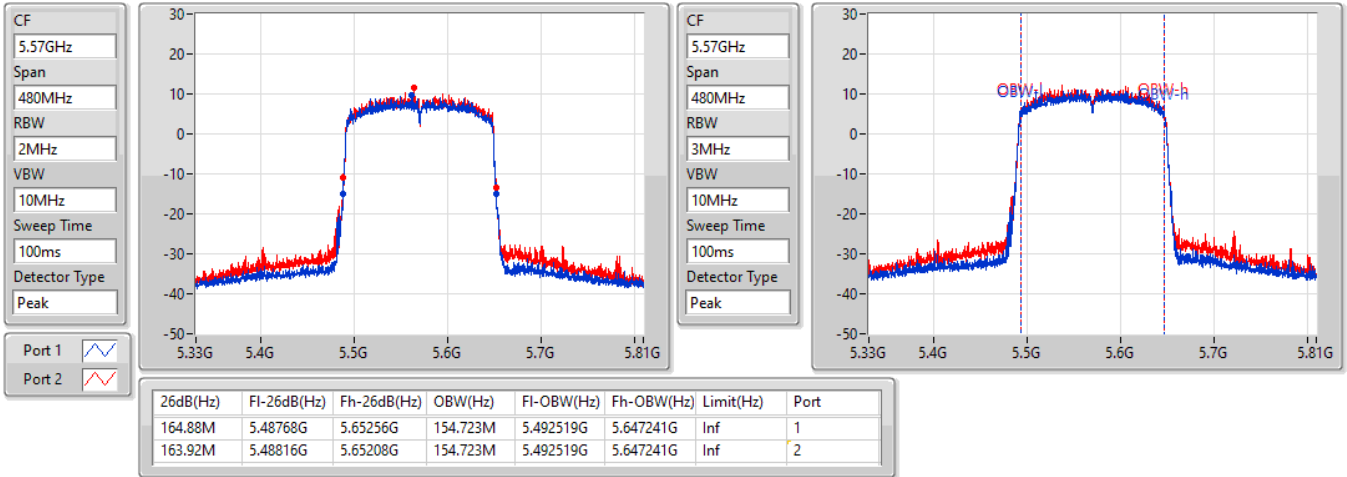


802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

5570MHz

20/10/2021



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	18.16	0.06546	24.45	0.27861
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.17	0.20749	29.46	0.88308
802.11ax HEW20_Nss1,(MCS0)_4TX	22.83	0.19187	29.12	0.81658
802.11ax HEW40_Nss1,(MCS0)_4TX	23.18	0.20797	29.47	0.88512
802.11ax HEW80_Nss1,(MCS0)_4TX	21.06	0.12764	27.35	0.54325
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	18.64	0.07311	24.93	0.31117
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	17.94	0.06223	24.12	0.25823
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	22.92	0.19588	29.21	0.83368
802.11ax HEW20_Nss1,(MCS0)_4TX	23.04	0.20137	29.33	0.85704
802.11ax HEW40_Nss1,(MCS0)_4TX	22.95	0.19724	29.24	0.83946
802.11ax HEW80_Nss1,(MCS0)_4TX	22.54	0.17947	28.83	0.76384
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	17.58	0.05728	23.87	0.24378
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	18.11	0.06471	24.29	0.26853
802.11ax HEW80+80_Nss1,(MCS0)_4TX	22.42	0.17458	28.71	0.74302
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.08	0.04055	22.37	0.17258
802.11ax HEW20_Nss1,(MCS0)_4TX	16.69	0.04667	22.98	0.19861
802.11ax HEW40_Nss1,(MCS0)_4TX	12.20	0.01660	18.49	0.07063
802.11ax HEW80_Nss1,(MCS0)_4TX	8.22	0.00664	14.51	0.02825
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	4.29	0.00269	10.47	0.01114
802.11ax HEW80+80_Nss1,(MCS0)_4TX	17.09	0.05117	23.38	0.21777

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	6.29	17.06	17.53	16.86	17.10	23.17	23.69	29.46	30.00
5300MHz	Pass	6.29	16.96	17.49	16.86	17.12	23.13	23.69	29.42	30.00
5320MHz	Pass	6.29	16.66	17.11	16.53	16.55	22.74	23.60	29.03	29.89
5500MHz	Pass	6.29	16.55	17.19	16.12	16.52	22.63	23.58	28.92	29.87
5580MHz	Pass	6.29	17.04	17.22	16.28	16.99	22.92	23.69	29.21	30.00
5700MHz	Pass	6.29	14.74	14.38	13.64	14.34	20.31	23.54	26.60	29.83
5720MHz Straddle 5.47-5.725GHz	Pass	6.29	16.56	16.56	16.15	15.84	22.31	23.52	28.60	29.81
5720MHz Straddle 5.725-5.85GHz	Pass	6.29	10.47	10.18	9.94	9.59	16.08	29.71	22.37	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	6.29	16.66	17.15	16.49	16.80	22.80	23.69	29.09	30.00
5300MHz	Pass	6.29	16.70	17.16	16.62	16.69	22.82	23.69	29.11	30.00
5320MHz	Pass	6.29	16.57	17.29	16.63	16.72	22.83	23.69	29.12	30.00
5500MHz	Pass	6.29	15.37	15.90	15.25	15.01	21.42	23.69	27.71	30.00
5580MHz	Pass	6.29	17.16	17.41	16.31	17.11	23.04	23.69	29.33	30.00
5700MHz	Pass	6.29	15.31	15.06	13.94	14.88	20.85	23.69	27.14	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	6.29	16.08	15.98	15.12	15.59	21.73	22.99	28.02	29.28
5720MHz Straddle 5.725-5.85GHz	Pass	6.29	10.78	11.15	10.49	10.22	16.69	29.71	22.98	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	6.29	17.05	17.52	16.88	17.18	23.18	23.69	29.47	30.00
5310MHz	Pass	6.29	15.19	15.53	14.91	14.88	21.16	23.69	27.45	30.00
5510MHz	Pass	6.29	14.25	14.59	13.80	13.81	20.15	23.69	26.44	30.00
5550MHz	Pass	6.29	17.18	17.09	16.55	16.87	22.95	23.69	29.24	30.00
5670MHz	Pass	6.29	15.41	15.00	14.74	15.03	21.07	23.69	27.36	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	6.29	17.01	16.69	16.21	16.12	22.54	23.69	28.83	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	6.29	6.93	5.65	5.82	6.20	12.20	29.71	18.49	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	6.29	14.99	15.38	14.94	14.83	21.06	23.69	27.35	30.00
5530MHz	Pass	6.29	14.75	14.95	14.38	14.19	20.60	23.69	26.89	30.00
5610MHz	Pass	6.29	15.40	15.61	15.37	14.95	21.36	23.69	27.65	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	6.29	16.95	16.61	16.14	16.33	22.54	23.69	28.83	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	6.29	3.08	1.57	1.68	2.28	8.22	29.71	14.51	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	6.29	15.00	15.29			18.16	29.71	24.45	36.00
#5290MHz,5530MHz	Pass	6.29	15.44	15.81			18.64	23.69	24.93	30.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	6.18	-	-	14.90	14.96	17.94	23.80	24.12	30.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5690MHz,5775MHz Straddle 5.47-5.725GHz	Pass	6.29	15.03	14.05			17.58	23.69	23.87	30.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5290MHz,#5530MHz	Pass	6.18	-	-	14.96	15.23	18.11	23.80	24.29	30.00
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	6.29	15.36	15.47	14.66	14.55	21.05	23.69	27.34	30.00
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	Pass	6.29	17.01	17.17	15.21	15.90	22.42	23.69	28.71	30.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5610MHz,#5690MHz Straddle 5.725-5.85GHz	Pass	6.18	-	-	0.86	1.67	4.29	29.82	10.47	36.00
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	Pass	6.29	0.63	1.35	13.87	13.85	17.09	29.71	23.38	36.00

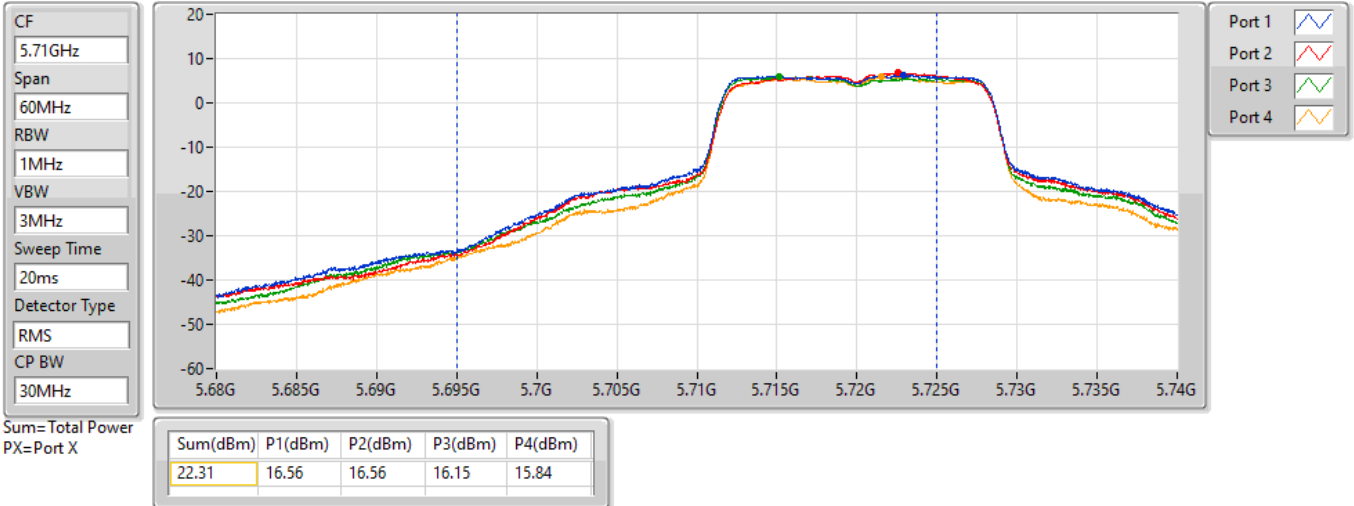
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

12/11/2021

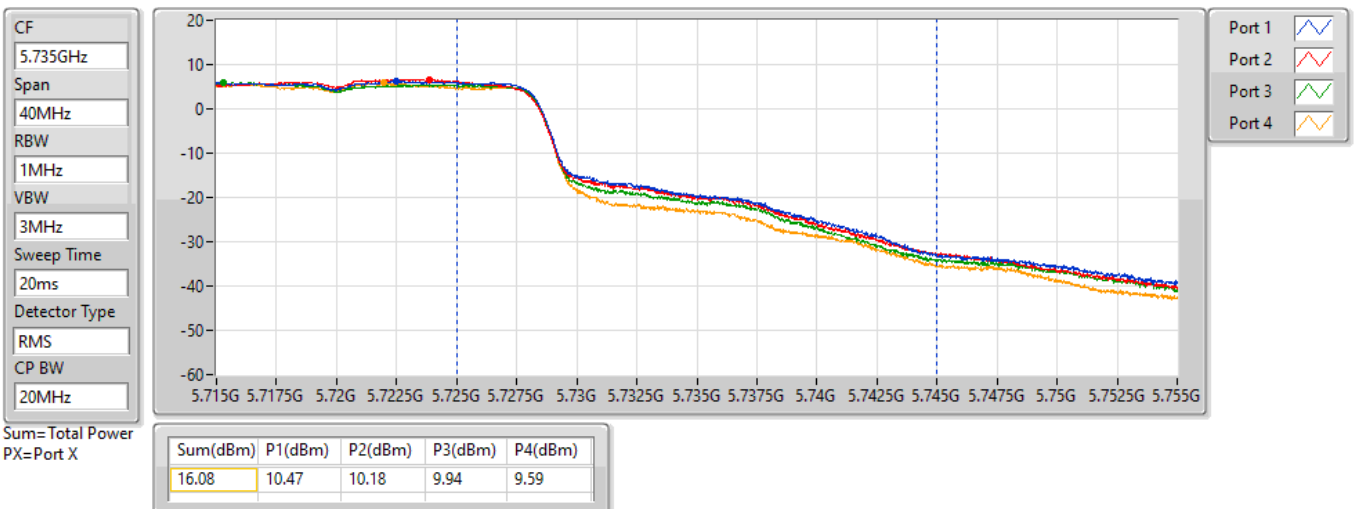


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

12/11/2021

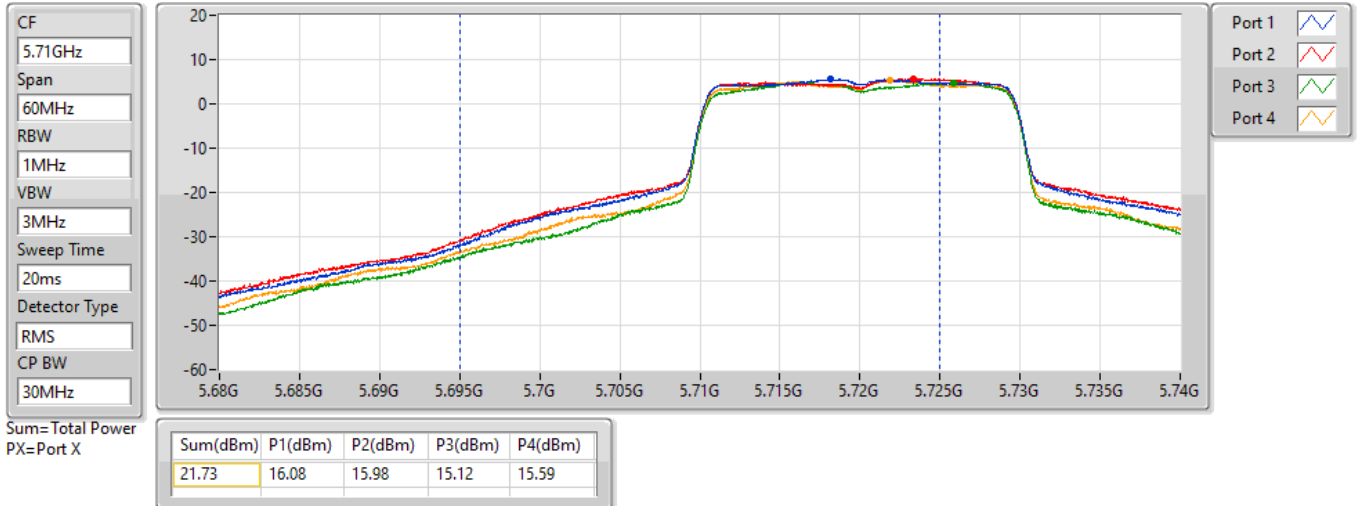


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

12/11/2021

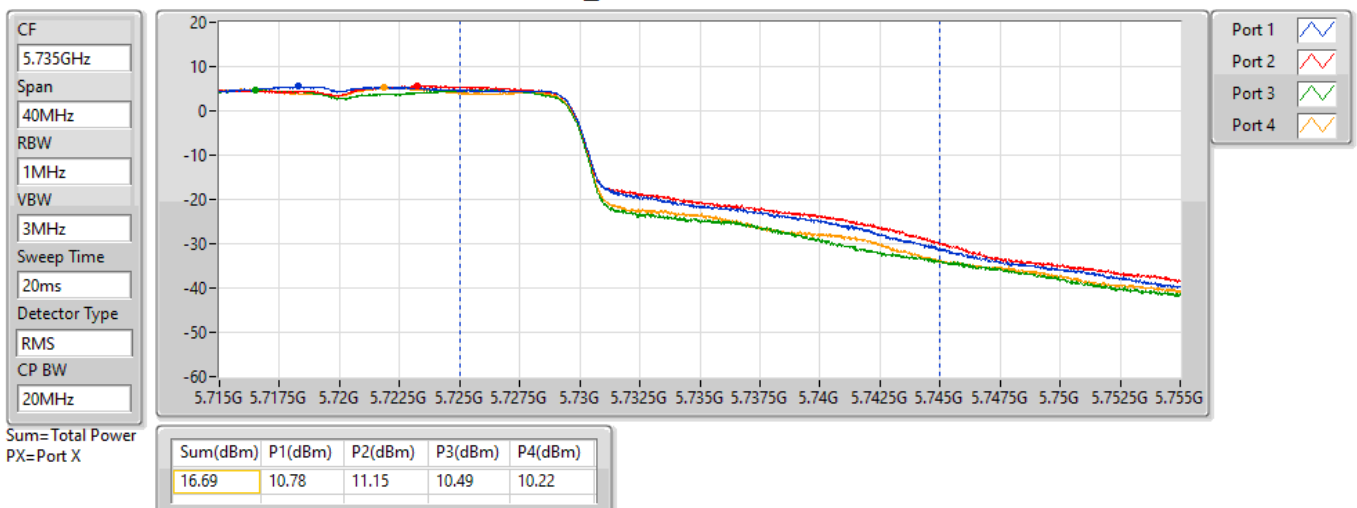


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

12/11/2021

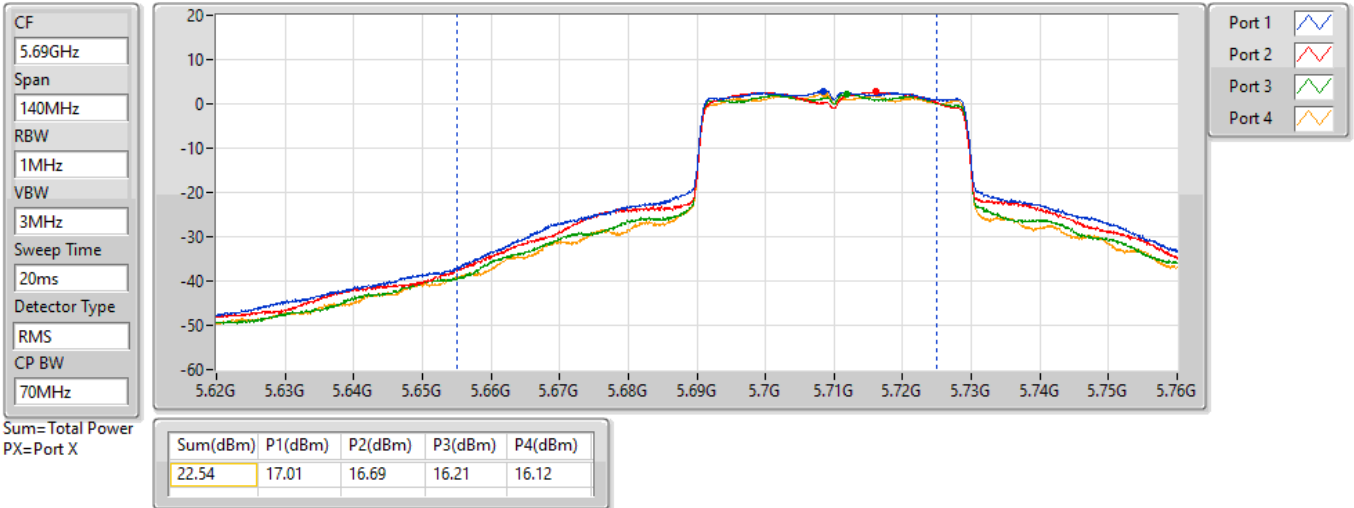


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

12/11/2021

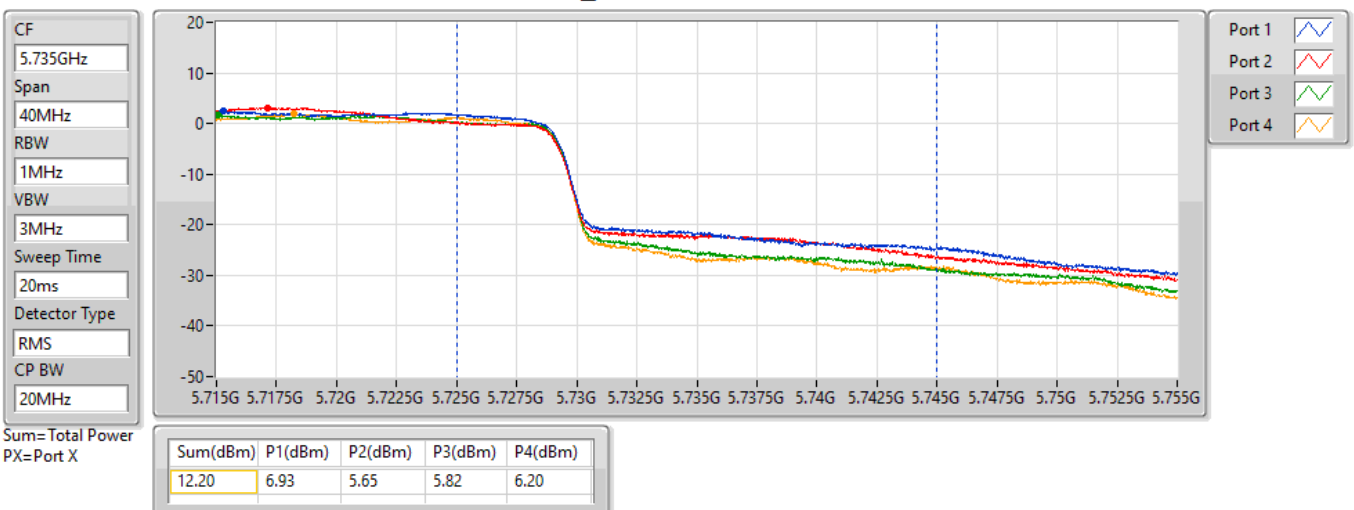


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

12/11/2021

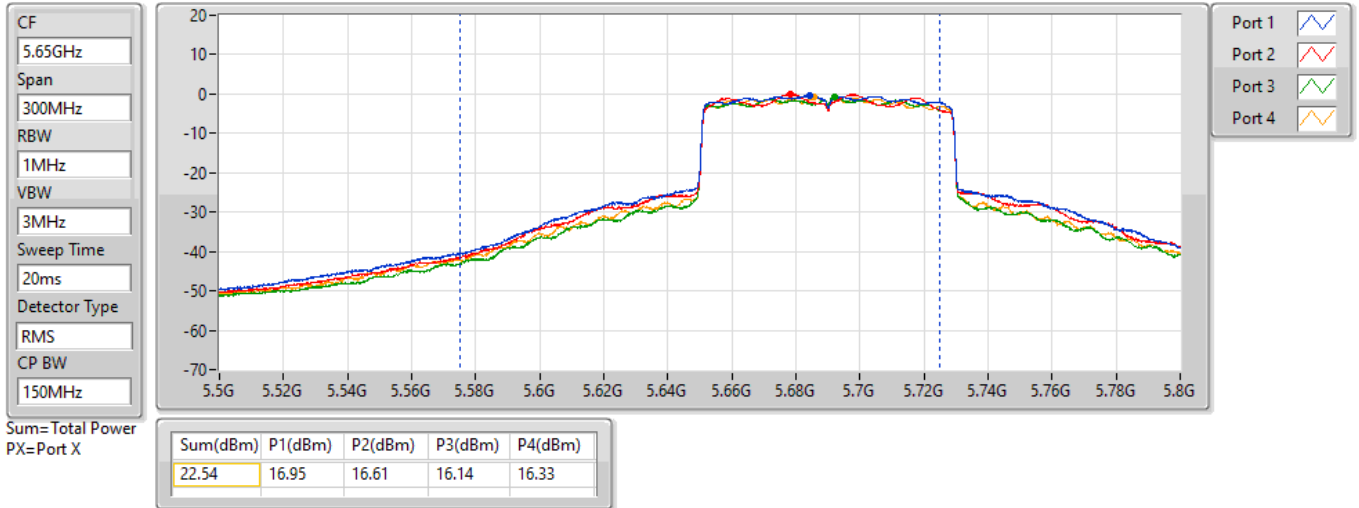


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

12/11/2021

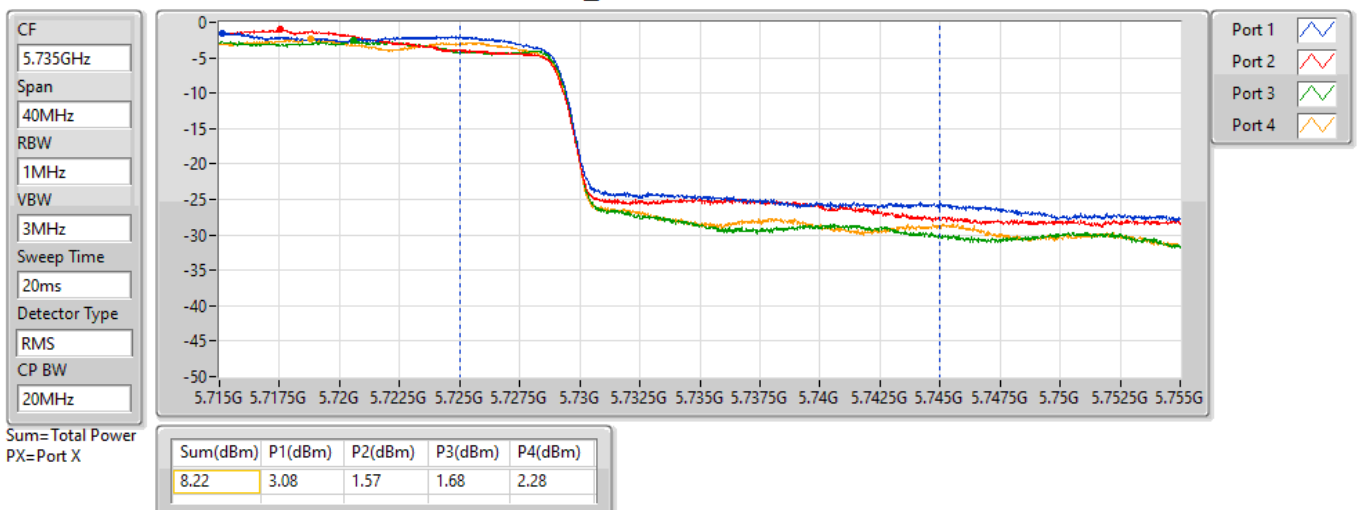


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

12/11/2021

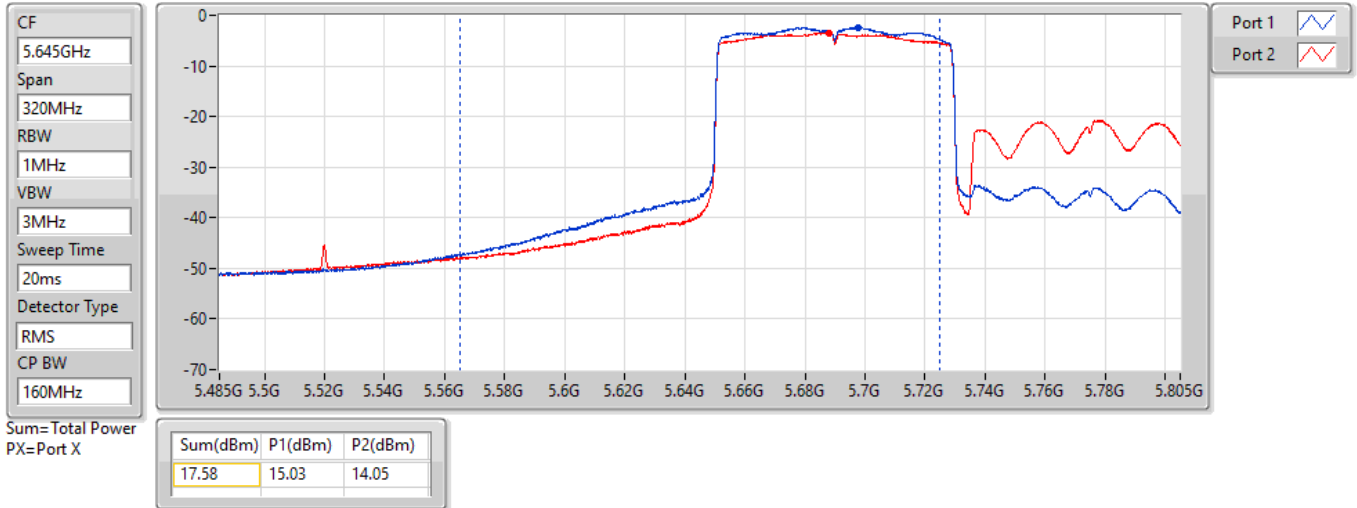


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)

AV Power

#5690MHz,5775MHz Straddle 5.47-5.725GHz_TnomVnom

12/11/2021

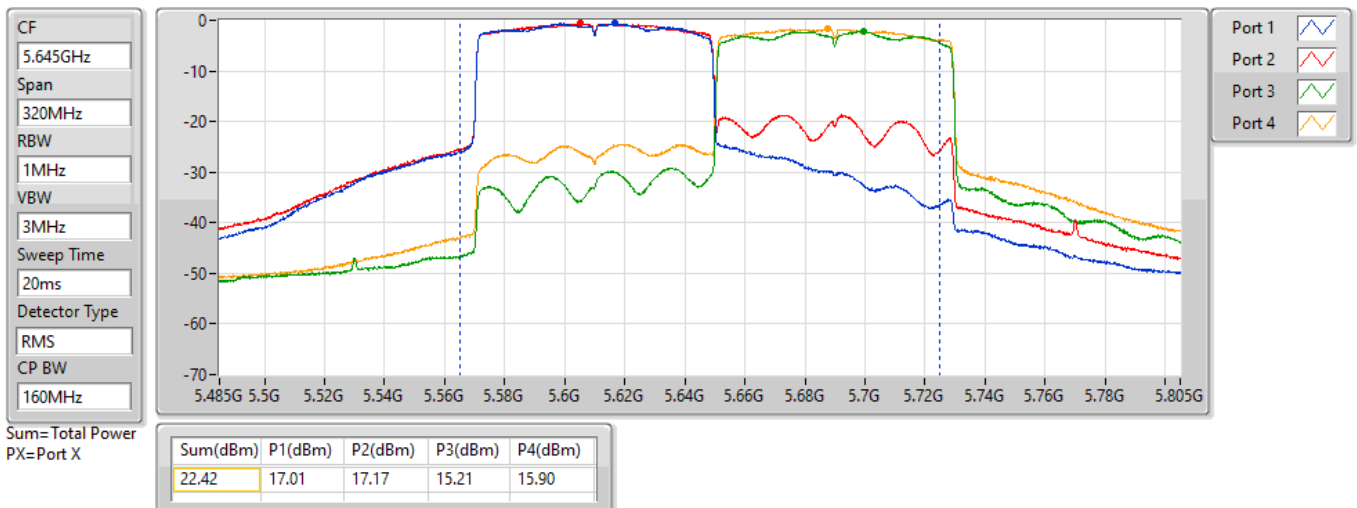


802.11ax HEW80+80_Nss1,(MCS0)_4TX

AV Power

#5610MHz,#5690MHz Straddle 5.47-5.725GHz_TnomVnom

12/11/2021

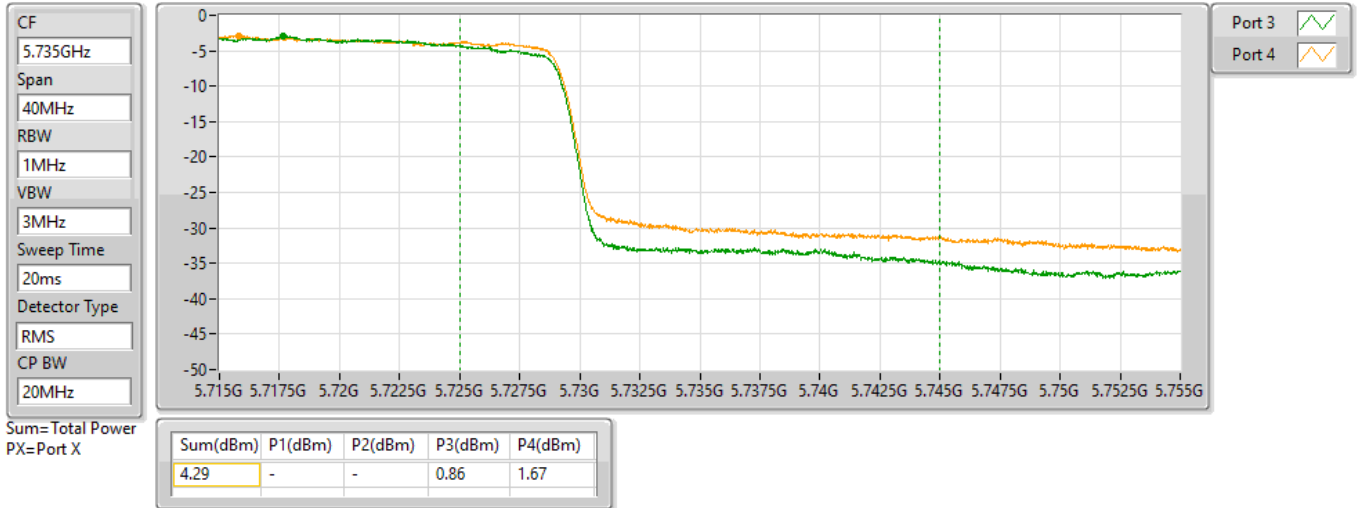


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)

AV Power

5610MHz,#5690MHz Straddle 5.725-5.85GHz_TnomVnom

12/11/2021

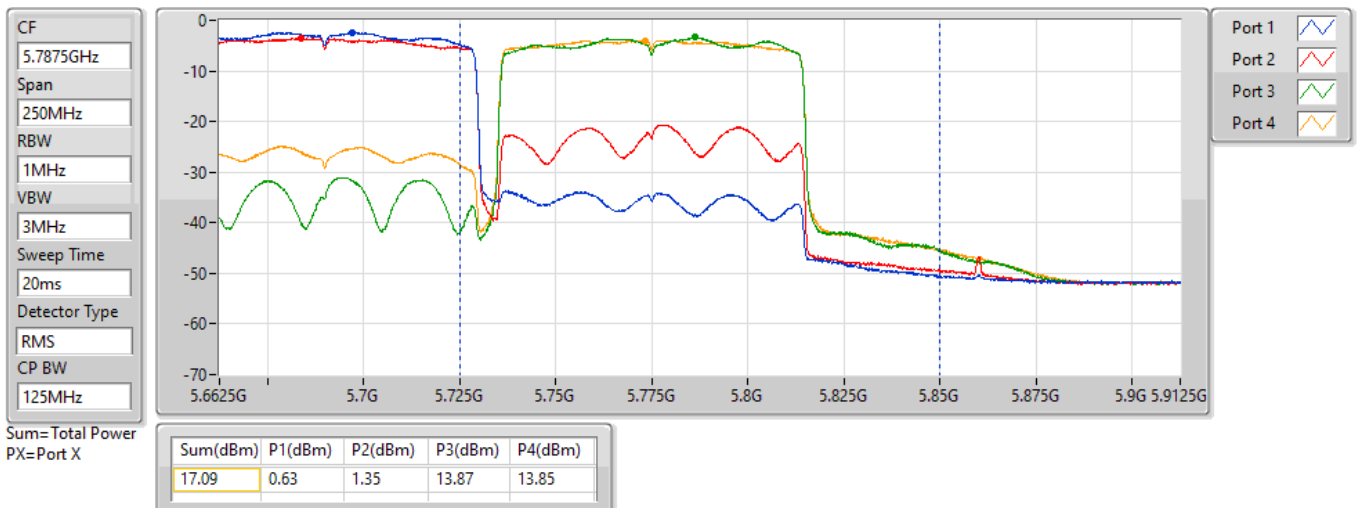


802.11ax HEW80+80_Nss1,(MCS0)_4TX

AV Power

#5690MHz,#5775MHz Straddle 5.725-5.85GHz_TnomVnom

12/11/2021



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.70	0.14791	27.96	0.62517
802.11ax HEW20_Nss1,(MCS0)_4TX	21.99	0.15812	28.25	0.66834
802.11ax HEW40_Nss1,(MCS0)_4TX	23.22	0.20989	29.48	0.88716
802.11ax HEW80_Nss1,(MCS0)_4TX	22.82	0.19143	29.08	0.80910
802.11ax HEW160_Nss1,(MCS0)_4TX	20.15	0.10351	26.41	0.43752
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	14.63	0.02904	20.89	0.12274
802.11ax HEW20_Nss1,(MCS0)_4TX	16.12	0.04093	22.38	0.17298
802.11ax HEW40_Nss1,(MCS0)_4TX	12.90	0.01950	19.16	0.08241
802.11ax HEW80_Nss1,(MCS0)_4TX	9.04	0.00802	15.30	0.03388



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	6.26	15.84	15.84	15.02	15.95	21.70	23.72	27.96	30.00
5580MHz	Pass	6.26	16.04	15.23	15.74	14.25	21.39	23.72	27.65	30.00
5700MHz	Pass	6.26	15.39	14.90	15.00	14.50	20.98	23.72	27.24	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	6.26	14.63	13.72	13.73	13.35	19.90	22.52	26.16	28.78
5720MHz Straddle 5.725-5.85GHz	Pass	6.26	9.38	8.44	8.51	7.98	14.63	29.74	20.89	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	6.26	15.23	14.97	15.07	14.66	21.01	23.72	27.27	30.00
5580MHz	Pass	6.26	16.46	15.66	16.09	15.61	21.99	23.72	28.25	30.00
5700MHz	Pass	6.26	14.38	14.13	13.90	13.48	20.01	23.72	26.27	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	6.26	15.04	14.12	14.20	13.61	20.29	22.74	26.55	29.00
5720MHz Straddle 5.725-5.85GHz	Pass	6.26	10.96	9.96	9.88	9.45	16.12	29.74	22.38	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	6.26	15.17	15.06	15.13	14.88	21.08	23.72	27.34	30.00
5550MHz	Pass	6.26	16.98	16.72	16.86	16.77	22.85	23.72	29.11	30.00
5670MHz	Pass	6.26	15.37	15.42	15.41	14.84	21.29	23.72	27.55	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	6.26	17.56	17.26	17.32	16.59	23.22	23.72	29.48	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	6.26	7.21	6.95	7.06	6.25	12.90	29.74	19.16	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	6.26	14.42	14.39	14.33	14.11	20.33	23.72	26.59	30.00
5610MHz	Pass	6.26	16.21	15.70	15.61	15.75	21.84	23.72	28.10	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	6.26	17.09	16.87	17.08	16.09	22.82	23.72	29.08	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	6.26	3.28	3.00	3.26	2.49	9.04	29.74	15.30	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5570MHz	Pass	6.26	13.95	13.89	14.53	14.10	20.15	23.72	26.41	30.00

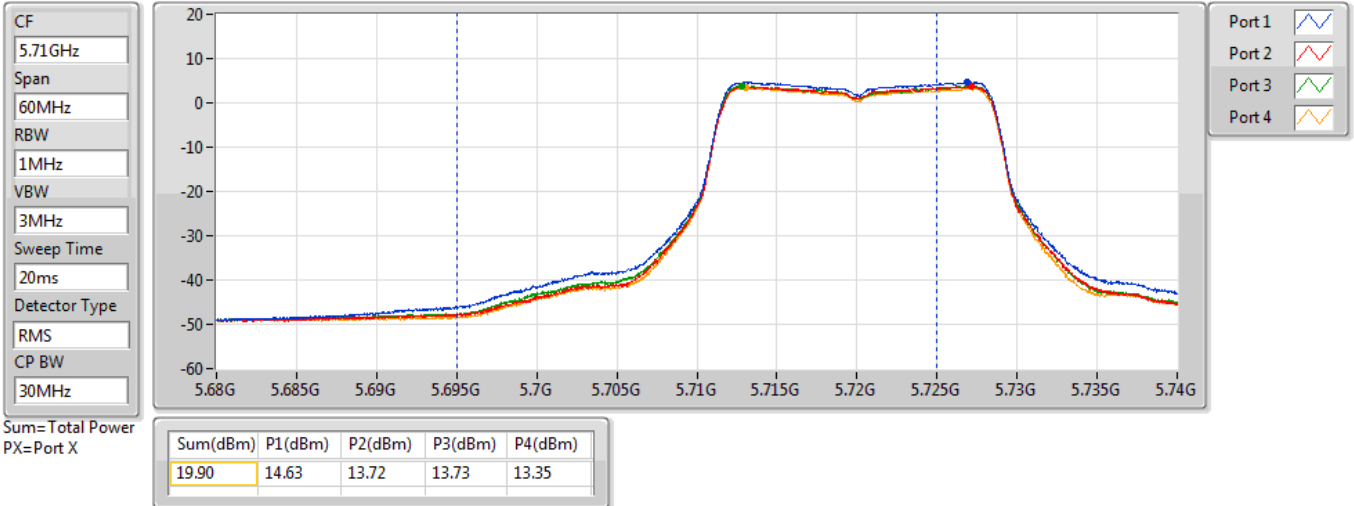
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

08/10/2021

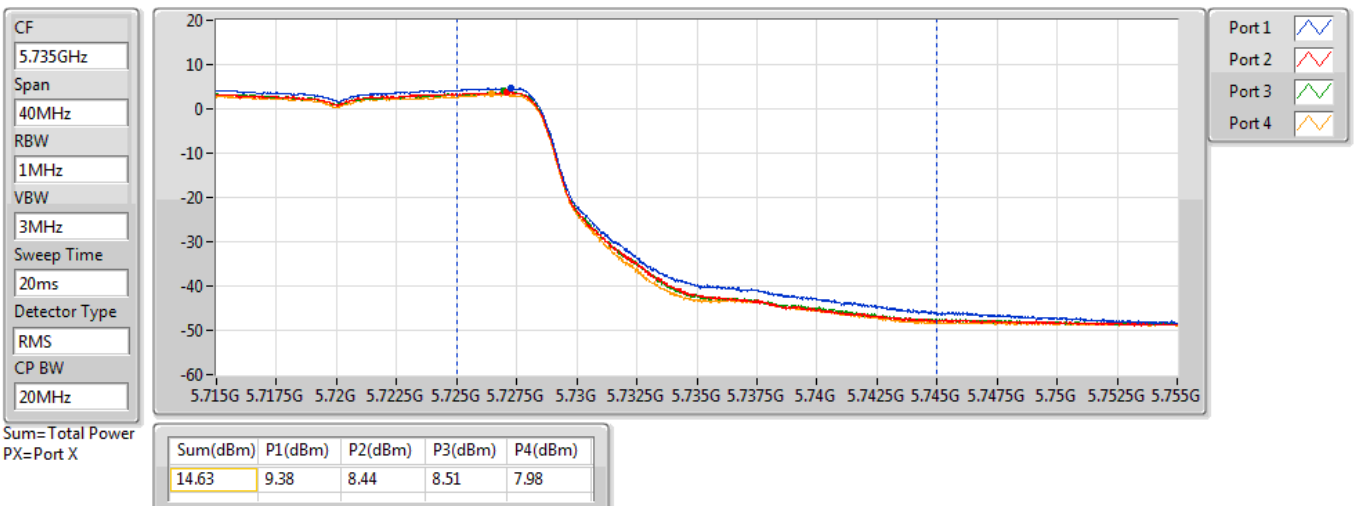


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

08/10/2021



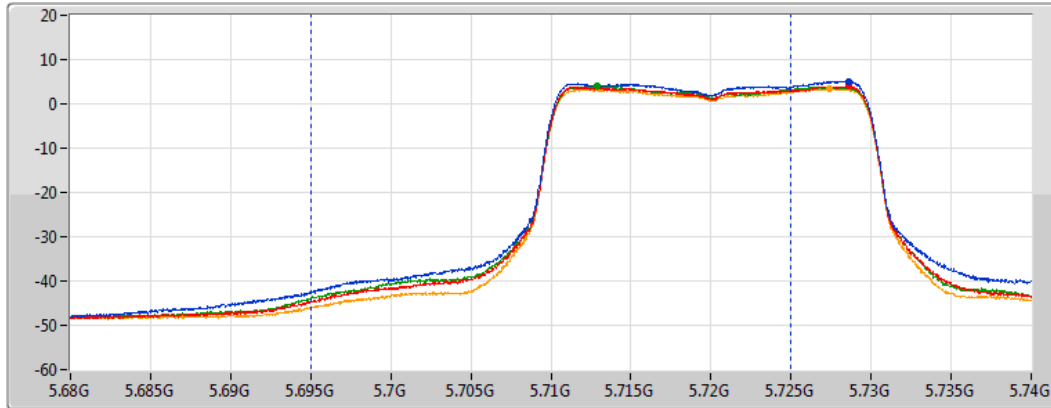
802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

08/10/2021

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
30MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
20.29	15.04	14.12	14.20	13.61

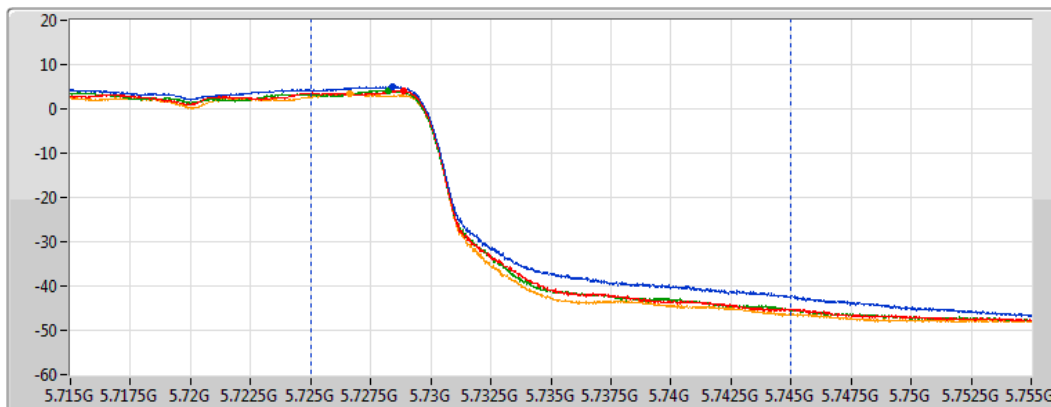
802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

08/10/2021

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.12	10.96	9.96	9.88	9.45

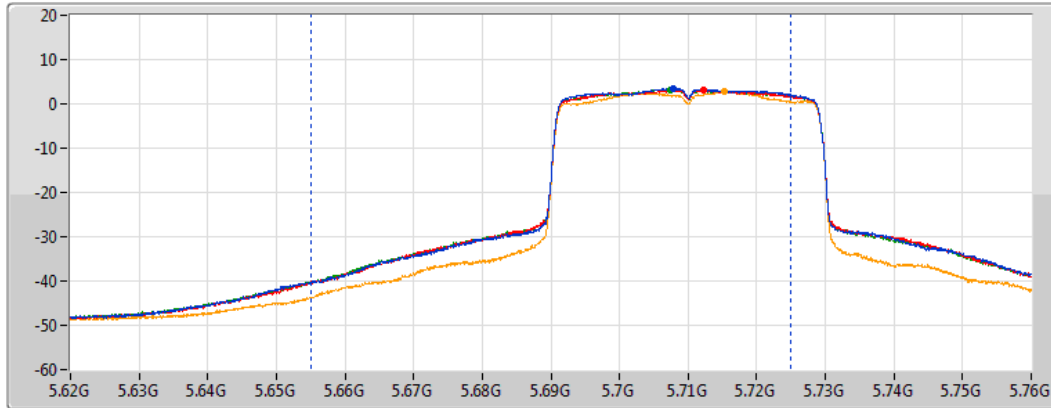
802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

08/10/2021

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
70MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.22	17.56	17.26	17.32	16.59

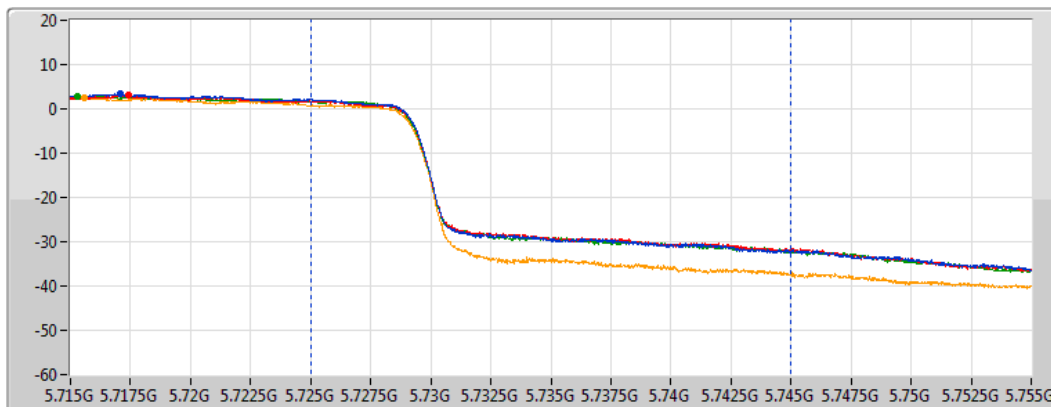
802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

08/10/2021

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

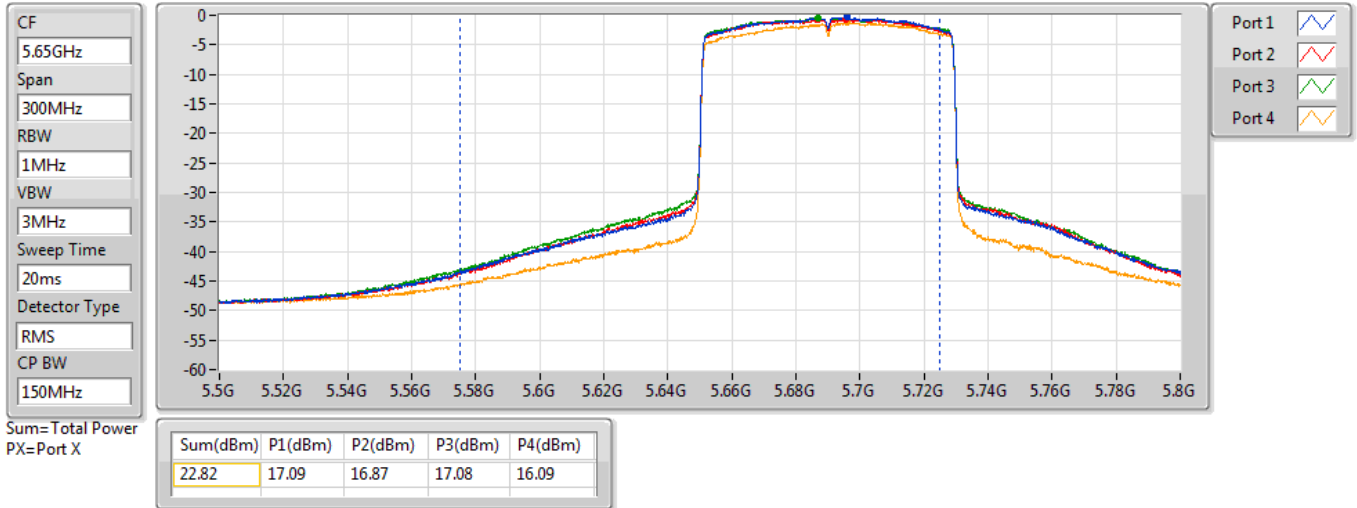
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.90	7.21	6.95	7.06	6.25

802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

08/10/2021

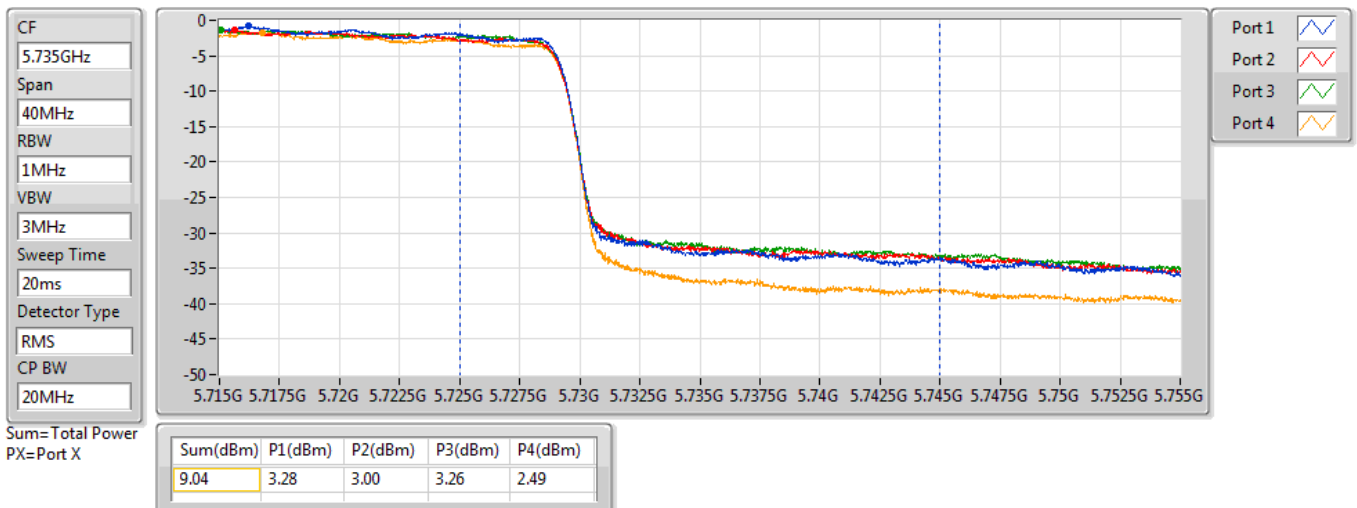


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

08/10/2021



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_2TX	15.45	0.03508	21.68	0.14723
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.58	0.14388	27.81	0.60395
802.11ax HEW20_Nss1,(MCS0)_2TX	21.99	0.15812	28.22	0.66374
802.11ax HEW40_Nss1,(MCS0)_2TX	21.82	0.15205	28.05	0.63826
802.11ax HEW80_Nss1,(MCS0)_2TX	18.46	0.07015	24.69	0.29444
802.11ax HEW160_Nss1,(MCS0)_2TX	15.38	0.03451	21.61	0.14488
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.71	0.11776	26.94	0.49431
802.11ax HEW20_Nss1,(MCS0)_2TX	21.25	0.13335	27.48	0.55976
802.11ax HEW40_Nss1,(MCS0)_2TX	22.82	0.19143	29.05	0.80353
802.11ax HEW80_Nss1,(MCS0)_2TX	21.99	0.15812	28.22	0.66374
802.11ax HEW160_Nss1,(MCS0)_2TX	18.85	0.07674	25.08	0.32211
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	13.88	0.02443	20.11	0.10257
802.11ax HEW20_Nss1,(MCS0)_2TX	15.68	0.03698	21.91	0.15524
802.11ax HEW40_Nss1,(MCS0)_2TX	12.49	0.01774	18.72	0.07447
802.11ax HEW80_Nss1,(MCS0)_2TX	8.05	0.00638	14.28	0.02679