

FCC Test Report

FCC ID : TVE-371BB072

Equipment : Secured Wireless Access Point

Brand Name : FORTINET

Model Name : FortiAP U231Fxxxxxx, FAP-U231Fxxxxxx,
FORTIAP-U231Fxxxxxx (Where "x" can be used as
"A-Z", or "0-9", or "-", or blank for software changes or
marketing purposes only)

Applicant : Fortinet, Inc.
899 Kifer Road, Sunnyvale, CA 94086, USA

Manufacturer : Universal Global Scientific Industrial Co., Ltd
141, Lane 351, Sec. 1, Taiping Road, Tsautuen, Nantou
54261, Taiwan

Standard : 47 CFR FCC Part 15.407

The product was received on Jul. 08, 2020, and testing was started from Aug. 04, 2020 and completed on Sep. 14, 2020. 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

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	10
1.3 Testing Location Information	10
1.4 Measurement Uncertainty	11
2 TEST CONFIGURATION OF EUT.....	12
2.1 Test Condition	12
2.2 Test Channel Mode	12
2.3 The Worst Case Measurement Configuration.....	18
2.4 Support Equipment.....	19
2.5 Test Setup Diagram	19
3 TRANSMITTER TEST RESULT	20
3.1 Emission Bandwidth	20
3.2 Maximum Conducted Output Power	21
3.3 Peak Power Spectral Density.....	23
3.4 Unwanted Emissions.....	25
4 TEST EQUIPMENT AND CALIBRATION DATA.....	29
APPENDIX A. TEST RESULTS OF EMISSION BANDWIDTH	
APPENDIX B. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX C. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY	
APPENDIX D. TEST RESULTS OF UNWANTED EMISSIONS	
APPENDIX E. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



History of this test report

TEL : 886-3-3273456
FAX : 886-3-3270973
Report Template No.: HE1-D1 Ver2.6
FCC ID: TVE-371BB072

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
-	15.207	AC Power-line Conducted Emissions	Not Performed	-
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: Debby Hung

1 General Description

1.1 Information

The EUT has Four radio chip.

Function	Radio 1	Radio 2	Radio 3	Radio 4
WiFi 2.4G	V	X	V	X
WiFi 5G	V	V	V	X
Bluetooth / Zigbee	X	X	X	V

1.1.1 RF General Information

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]

Note. The Radio 1 Only support UNII-2C and UNII-3.



Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX

Note:

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

1.1.2 Antenna Information

Ant.	Radio	Brand	Model Name	Antenna Type	Connector
1	1	ARISTOTLE	-	PIFA Antenna	IPEX
2		ARISTOTLE	-	PIFA Antenna	IPEX
3	2	ARISTOTLE	-	PIFA Antenna	IPEX
4		ARISTOTLE	-	PIFA Antenna	IPEX
5	3	ARISTOTLE	-	PIFA Antenna	IPEX
6		ARISTOTLE	-	PIFA Antenna	IPEX
7	4	ARISTOTLE	-	PIFA Antenna	IPEX

Ant.	Gain (dBi)							
	Radio 1		Radio 2		Radio 3		Radio 4	
	2.4G	5G	5G	5G	2.4G	5G	BT	Zigbee
1	3.89	4.53	-	-	-	-	-	-
2	3.86	5.07	-	-	-	-	-	-
3	-	-	5.89	-	-	-	-	-
4	-	-	-	5.07	-	-	-	-
5	-	-	-	-	3.78	5.26	-	-
6	-	-	-	-	3.97	5.44	-	-
7	-	-	-	-	-	-	3.69	3.69

Ant.	BF Gain (dBi)	
	Radio 1 & 2 & 3	
-	3.01	

Directional gain = $G_{ANT\ MAX} + 10 \log(N_{ANT}/N_{SS})$ dBi, where N_{SS} = the number of independent spatial streams of data and $G_{ANT\ MAX}$ is the gain of the antenna having the highest gain (in dBi).

For 2.4GHz function:

For IEEE 802.11 b/g/n/ac/ax mode

Ant. 1, Ant.2, Ant.5 and Ant.6 could transmit/receive simultaneously.(2TX/2RX)

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode

Ant. 1, Ant.2, Ant.3, Ant.4, Ant.5 and Ant.6 could transmit/receive simultaneously.(2TX/2RX)

For Bluetooth function:

For IEEE 802.15.1 Bluetooth mode

Ant. 7 could transmit/receive. (1TX/1RX)

For Zigbee function:

For IEEE 802.15.3 Zigbee mode

Ant. 7 could transmit/receive. (1TX/1RX)

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
EUT Function	☐	Outdoor AP	☒	Indoor AP
	☐	Fixed P2P AP	☐	Indoor Client
Beamforming Function	☒	With beamforming	☐	Without beamforming
TPC Function	☐	With TPC Function	☒	Without TPC Function
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
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 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR040829-02AN
Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
UNII-2A and UNII-2C was added	All

1.1.5 Table for Multiple Listing

Model Name	Description
FortiAP U231Fxxxxxx, FAP-U231Fxxxxxx, FORTIAP-U231Fxxxxxx (Where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)	The difference of models is in sales marketing.

Note: The information from manufacturer.

1.1.6 Mode Test Duty Cycle

<Radio 1>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a_Nss1,(6Mbps)_2TX	0.946	0.24	2.064m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.986	0.06	1.93m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.972	0.12	954.688u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.943	0.25	462.5u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.98	0.09	1.489m	10
802.11ax HEW40_Nss1,(MCS0)_2TX	0.963	0.16	775u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.929	0.32	403.125u	3k

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

<Radio 2>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a_Nss1,(6Mbps)_2TX	0.951	0.22	2.066m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.985	0.07	1.93m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.971	0.13	954.688u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.943	0.25	462.5u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.98	0.09	1.489m	1k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.963	0.16	775u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.929	0.32	403.125u	3k

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

<Radio 3>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a_Nss1,(6Mbps)_2TX	0.947	0.24	2.064m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.982	0.08	1.928m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.971	0.13	952.5u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.942	0.26	460.625u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.981	0.08	1.488m	10
802.11ax HEW40_Nss1,(MCS0)_2TX	0.963	0.16	772.5u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.927	0.33	401.25u	3k

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 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	20.1~26.9°C / 50~60%	04/Aug/2020~10/Sep/2020
Radiated	03CH03-HY	Edward	24.5~26.1°C / 54~68%	04/Aug/2020~14/Sep/2020
☐ 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 (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
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 Condition

Condition Item	Abbreviation/Remark	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software Version	MTool3.1.0.1
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<Radio 1>

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_2TX	-
5500MHz	66
5580MHz	69
5700MHz	70
5720MHz Straddle 5.47-5.725GHz	70
5720MHz Straddle 5.725-5.85GHz	70
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5500MHz	66
5580MHz	63
5700MHz	64
5720MHz Straddle 5.47-5.725GHz	68
5720MHz Straddle 5.725-5.85GHz	68
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5510MHz	65
5550MHz	64
5670MHz	65
5710MHz Straddle 5.47-5.725GHz	65
5710MHz Straddle 5.725-5.85GHz	65
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5530MHz	61
5610MHz	61
5690MHz Straddle 5.47-5.725GHz	62
5690MHz Straddle 5.725-5.85GHz	62
802.11ax HEW20_Nss1,(MCS0)_2TX	-



Mode	PowerSetting
5500MHz	66
5580MHz	63
5700MHz	64
5720MHz Straddle 5.47-5.725GHz	68
5720MHz Straddle 5.725-5.85GHz	68
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5510MHz	65
5550MHz	64
5670MHz	65
5710MHz Straddle 5.47-5.725GHz	65
5710MHz Straddle 5.725-5.85GHz	65
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5530MHz	61
5610MHz	61
5690MHz Straddle 5.47-5.725GHz	62
5690MHz Straddle 5.725-5.85GHz	62

**<Radio 2>**

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	73
5300MHz	73
5320MHz	73
5500MHz	63
5580MHz	77
5700MHz	65
5720MHz Straddle 5.47-5.725GHz	74
5720MHz Straddle 5.725-5.85GHz	74
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	68
5300MHz	68
5320MHz	68
5500MHz	67
5580MHz	72
5700MHz	52
5720MHz Straddle 5.47-5.725GHz	74
5720MHz Straddle 5.725-5.85GHz	74
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	69
5310MHz	62
5510MHz	61
5550MHz	72
5670MHz	67
5710MHz Straddle 5.47-5.725GHz	72
5710MHz Straddle 5.725-5.85GHz	72
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	63
5530MHz	60
5610MHz	62
5690MHz Straddle 5.47-5.725GHz	66
5690MHz Straddle 5.725-5.85GHz	66
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	68

Mode	PowerSetting
5300MHz	68
5320MHz	68
5500MHz	67
5580MHz	72
5700MHz	52
5720MHz Straddle 5.47-5.725GHz	74
5720MHz Straddle 5.725-5.85GHz	74
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	69
5310MHz	62
5510MHz	61
5550MHz	72
5670MHz	67
5710MHz Straddle 5.47-5.725GHz	72
5710MHz Straddle 5.725-5.85GHz	72
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	63
5530MHz	60
5610MHz	62
5690MHz Straddle 5.47-5.725GHz	66
5690MHz Straddle 5.725-5.85GHz	66

<Radio 3>

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	66
5300MHz	66
5320MHz	63
5500MHz	55
5580MHz	67
5700MHz	60
5720MHz Straddle 5.47-5.725GHz	67
5720MHz Straddle 5.725-5.85GHz	67
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	63



Mode	PowerSetting
5300MHz	64
5320MHz	59
5500MHz	49
5580MHz	65
5700MHz	54
5720MHz Straddle 5.47-5.725GHz	67
5720MHz Straddle 5.725-5.85GHz	67
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	64
5310MHz	58
5510MHz	59
5550MHz	66
5670MHz	66
5710MHz Straddle 5.47-5.725GHz	65
5710MHz Straddle 5.725-5.85GHz	65
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	58
5530MHz	58
5610MHz	61
5690MHz Straddle 5.47-5.725GHz	60
5690MHz Straddle 5.725-5.85GHz	60
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	63
5300MHz	64
5320MHz	59
5500MHz	49
5580MHz	65
5700MHz	54
5720MHz Straddle 5.47-5.725GHz	67
5720MHz Straddle 5.725-5.85GHz	67
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	64
5310MHz	58
5510MHz	59
5550MHz	66



Mode	PowerSetting
5670MHz	66
5710MHz Straddle 5.47-5.725GHz	65
5710MHz Straddle 5.725-5.85GHz	65
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	58
5530MHz	58
5610MHz	61
5690MHz Straddle 5.47-5.725GHz	60
5690MHz Straddle 5.725-5.85GHz	60

2.3 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		
1	Adapter mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V (Radio 3)		V (Radio 1,2)

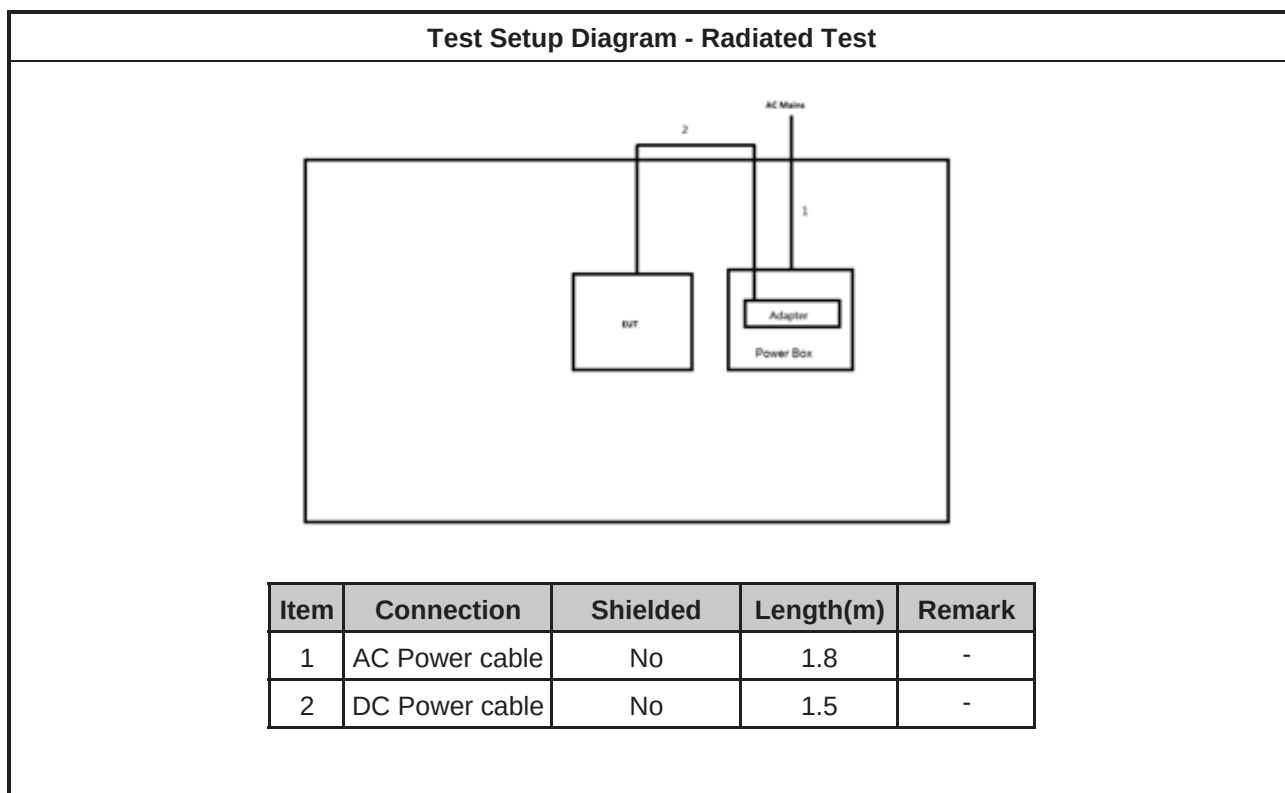
The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Radio 1+ Radio 2+ Radio 3+ Radio 4
Refer to Sporton Test Report No.: FA040829-01 for Co-location RF Exposure Evaluation.	

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	-	-
3	AC adapter	APD	WA-30J12R	-	Customer provided

Support Equipment – Radiated emissions					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC adapter	APD	WA-30J12R	-	Customer provided

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.

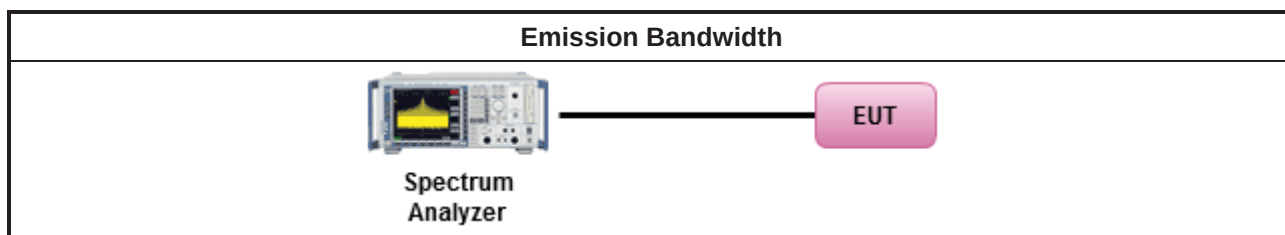
3.1.2 Measuring Instruments

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.	

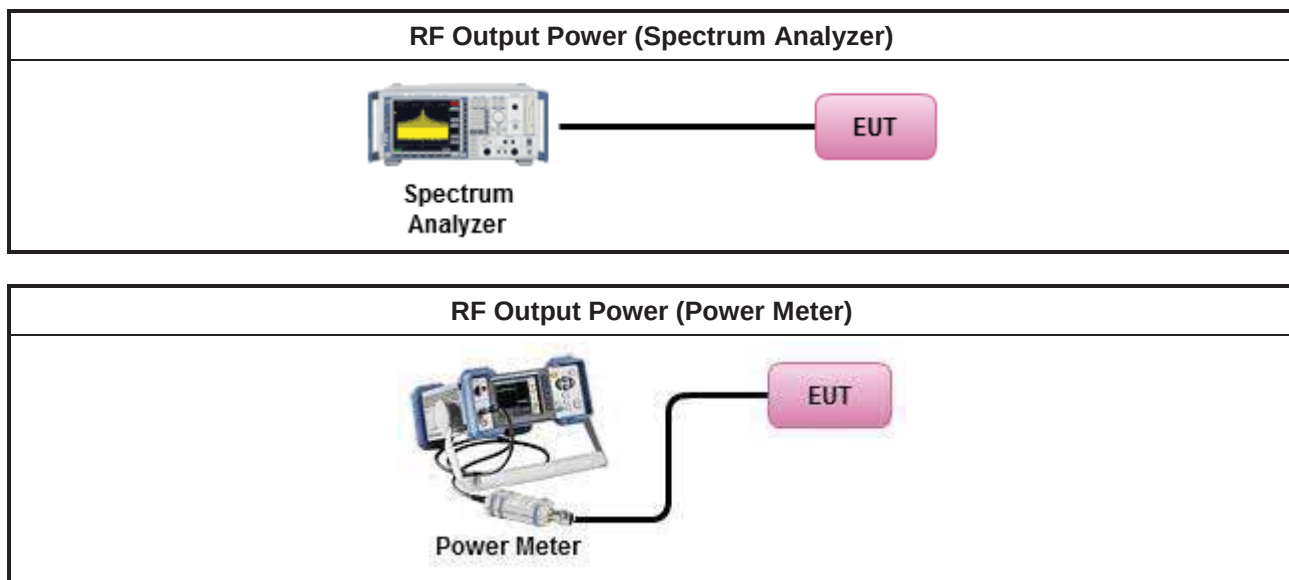
3.2.2 Measuring Instruments

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

3.2.4 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.	

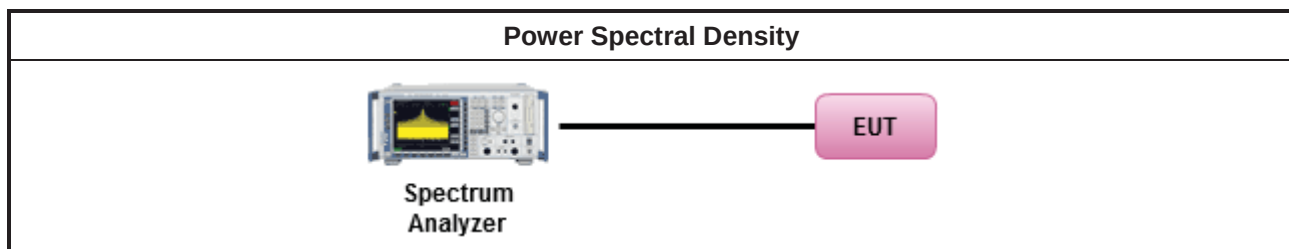
3.3.2 Measuring Instruments

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

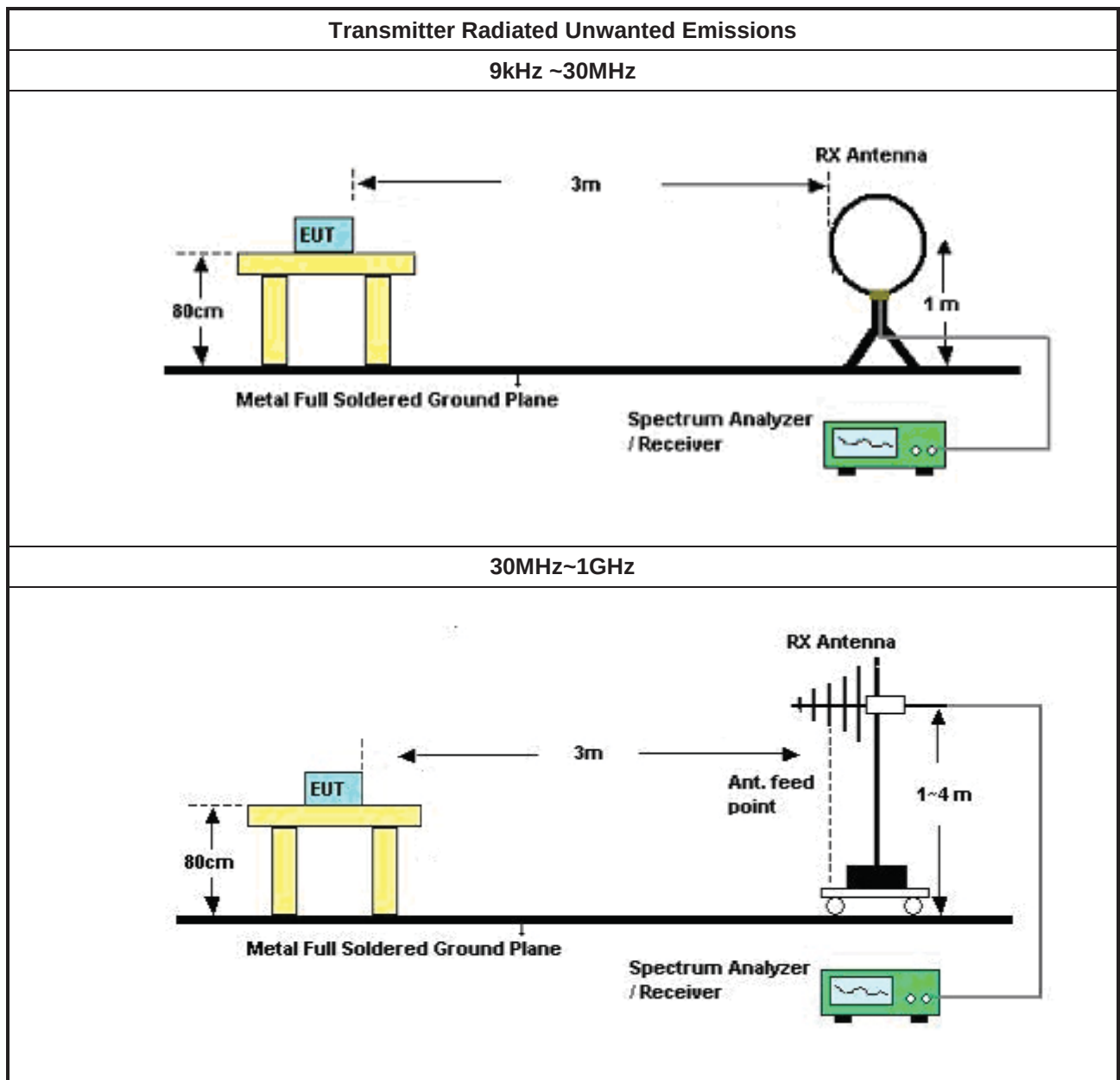
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above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

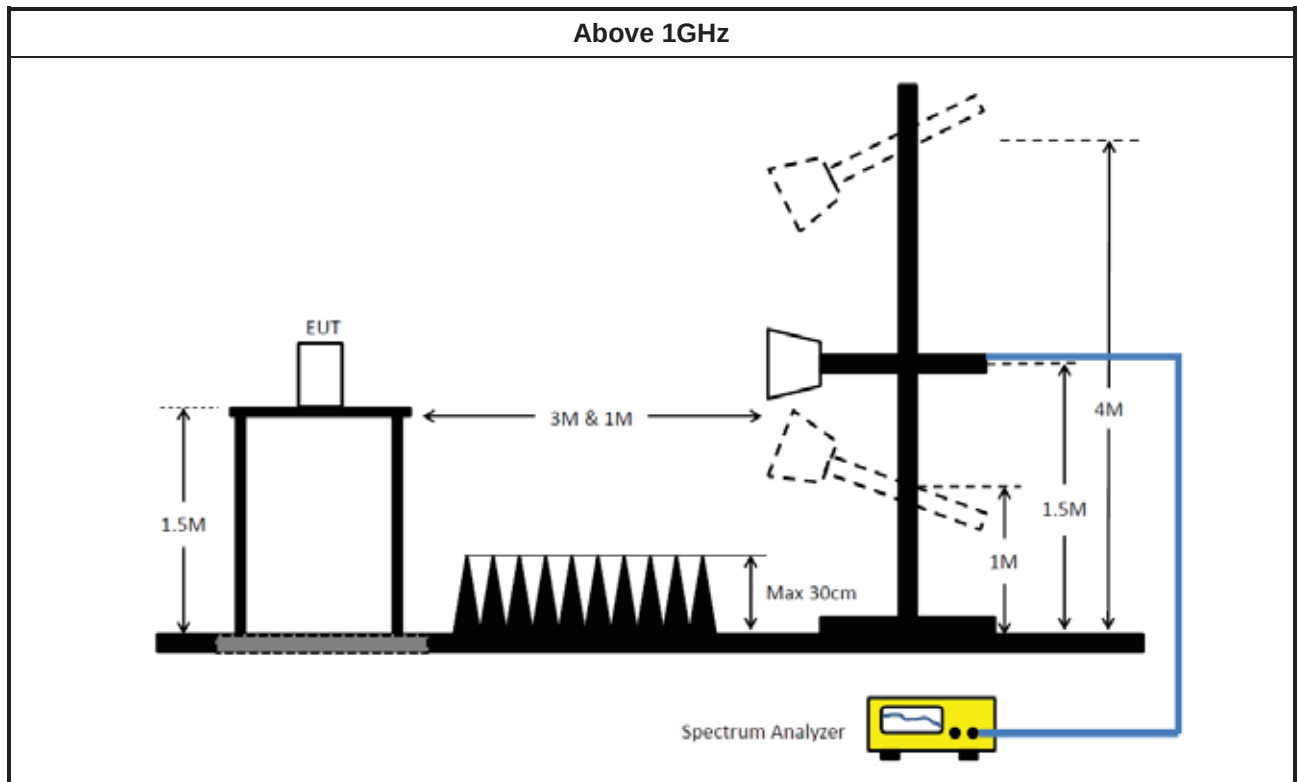
3.4.4 Measurement Results Calculation

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 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.

3.4.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10KHz ~ 40GHz	01/Oct/2019	30/Sep/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	18/Mar/2020	17/Mar/2021
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	18/Mar/2020	17/Mar/2021

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	06/Aug/2020	05/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	04/Aug/2020	03/Aug/2021
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	15/Aug/2019	14/Aug/2020
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	19/Aug/2020	18/Aug/2021
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	14/Apr/2020	13/Apr/2021
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz~26.5GHz	09/Sep/2019	08/Sep/2020
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270197	1GHz~26.5GHz	27/Nov/2019	26/Nov/2020
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	19/Apr/2020	18/Apr/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC K	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	26/Mar/2020	25/Mar/2021
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	19/Jun/2020	18/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz~1GHz	18/Mar/2020	17/Mar/2021
RF CABLE 5+6m	HUBER+SUHN ER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	04/Aug/2020	03/Aug/2021
Broadband Horn Antenna	SCHWARZBEC K	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/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)_2TX	22.14M	16.624M	16M6D1D	15.496M	13.29M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.81M	17.799M	17M8D1D	15.703M	13.867M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.32M	36.27M	36M3D1D	34.898M	32.957M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.08M	75.898M	75M9D1D	75.594M	72.46M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.69M	18.999M	19M0D1D	15.661M	14.458M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.02M	37.613M	37M6D1D	34.83M	33.598M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.2M	77.049M	77M0D1D	75.815M	73.123M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.165M	3.913M	3M91D1D	3.165M	3.823M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.78M	4.303M	4M30D1D	3.765M	4.258M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.165M	3.568M	3M57D1D	3.15M	3.523M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.15M	3.613M	3M61D1D	3.135M	3.598M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.47M	4.543M	4M54D1D	4.44M	4.543M
802.11ax HEW40_Nss1,(MCS0)_2TX	3.825M	4.063M	4M06D1D	3.81M	4.033M
802.11ax HEW80_Nss1,(MCS0)_2TX	3.81M	4.063M	4M06D1D	3.72M	4.048M

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

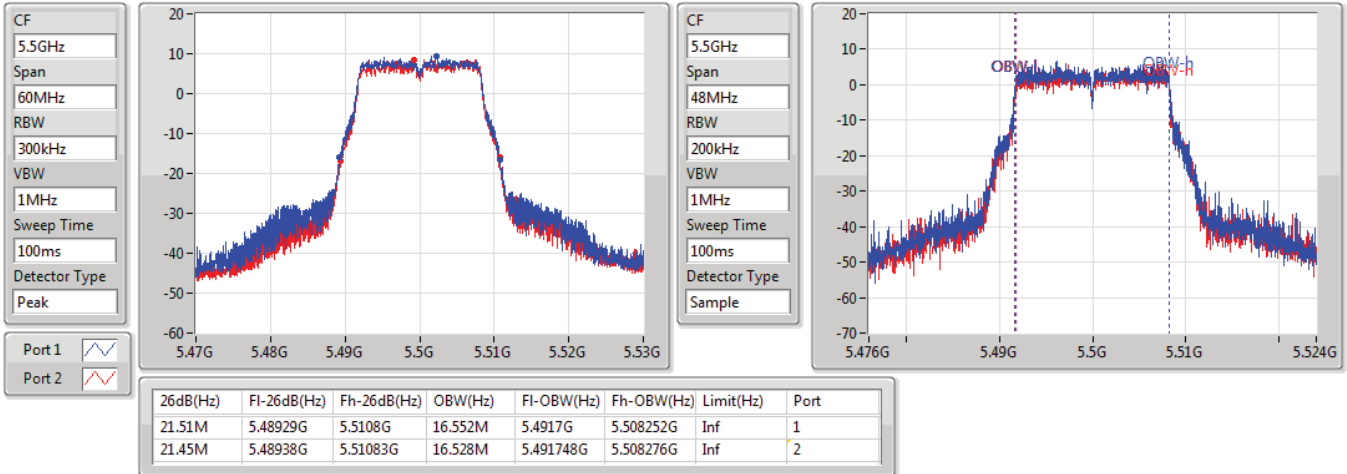
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5500MHz	Pass	Inf	21.51M	16.552M	21.45M	16.528M
5580MHz	Pass	Inf	21.48M	16.624M	22.14M	16.6M
5700MHz	Pass	Inf	21.45M	16.6M	21.39M	16.576M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.496M	13.303M	15.524M	13.29M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.165M	3.913M	3.165M	3.823M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5500MHz	Pass	Inf	21.78M	17.751M	21.57M	17.751M
5580MHz	Pass	Inf	21.6M	17.775M	21.78M	17.751M
5700MHz	Pass	Inf	21.81M	17.799M	21.66M	17.775M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.744M	13.908M	15.703M	13.867M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.303M	3.765M	4.258M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5510MHz	Pass	Inf	40.08M	36.222M	39.78M	36.27M
5550MHz	Pass	Inf	40.32M	36.27M	39.72M	36.222M
5670MHz	Pass	Inf	40.14M	36.174M	39.9M	36.222M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.134M	32.991M	34.898M	32.957M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.165M	3.523M	3.15M	3.568M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	Inf	81.72M	75.706M	81.12M	75.418M
5610MHz	Pass	Inf	82.08M	75.802M	81.24M	75.898M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.815M	72.534M	75.594M	72.46M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	3.598M	3.15M	3.613M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5500MHz	Pass	Inf	21.57M	18.975M	21.42M	18.975M
5580MHz	Pass	Inf	21.66M	18.975M	21.63M	18.975M
5700MHz	Pass	Inf	21.6M	18.951M	21.69M	18.999M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.675M	14.458M	15.661M	14.458M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.47M	4.543M	4.44M	4.543M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5510MHz	Pass	Inf	40.02M	37.613M	39.84M	37.517M
5550MHz	Pass	Inf	39.96M	37.517M	39.84M	37.517M
5670MHz	Pass	Inf	40.02M	37.565M	39.9M	37.517M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.931M	33.598M	34.83M	33.598M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.825M	4.033M	3.81M	4.063M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	Inf	82.08M	76.858M	81.6M	76.666M
5610MHz	Pass	Inf	82.2M	77.049M	81.6M	77.049M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.815M	73.418M	75.815M	73.123M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.81M	4.063M	3.72M	4.048M

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

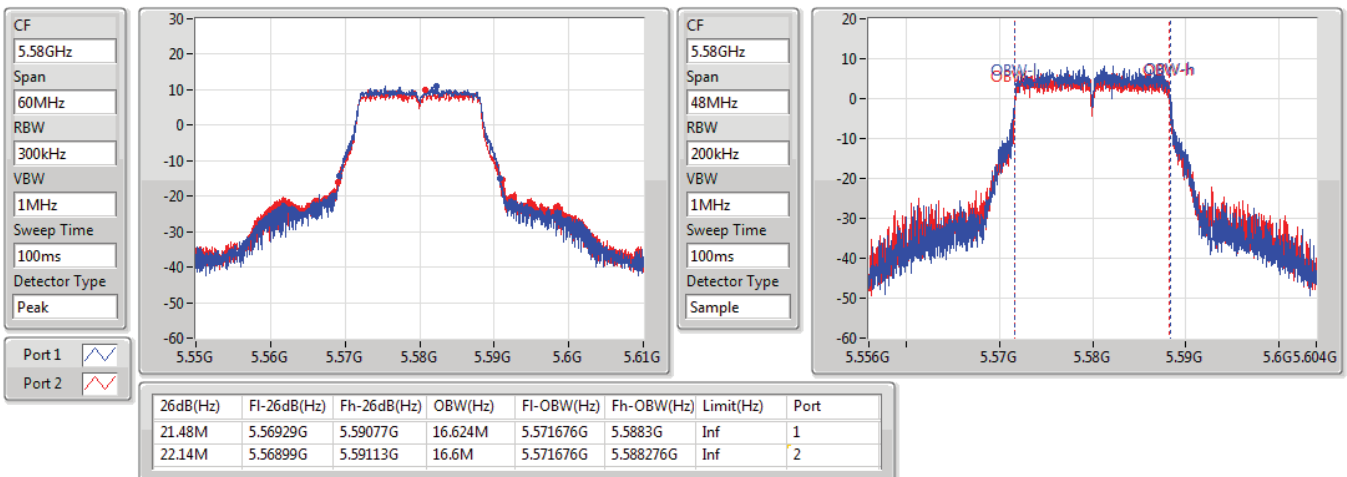
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5500MHz

13/08/2020

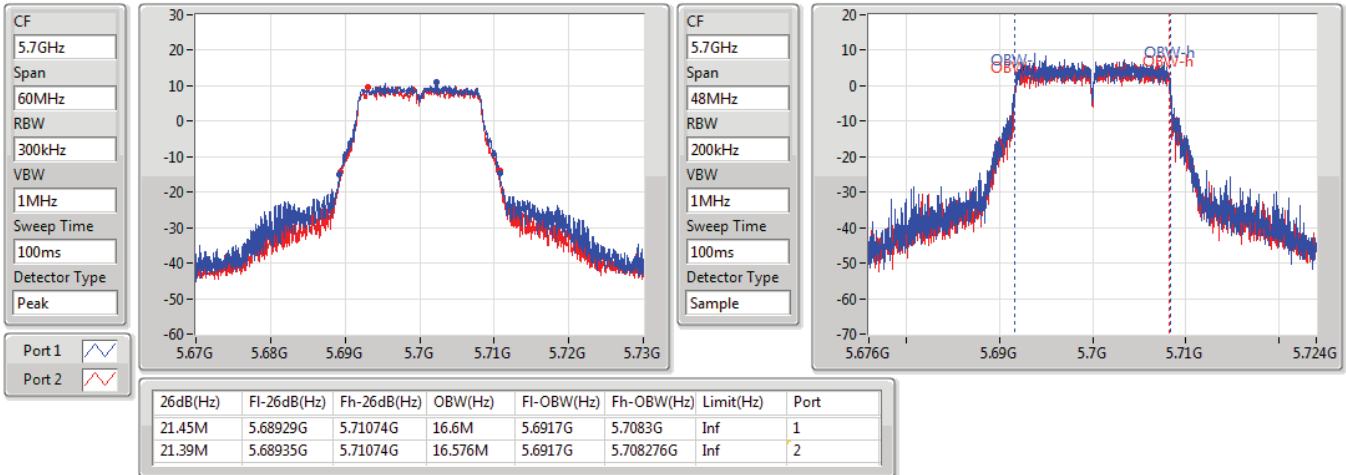

802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

05/08/2020

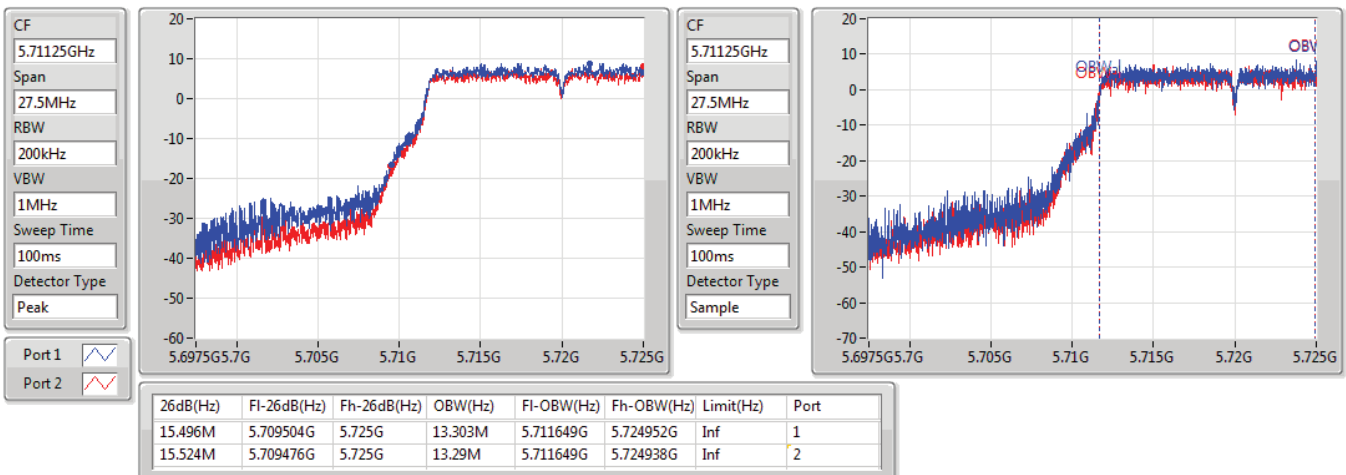


802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

05/08/2020

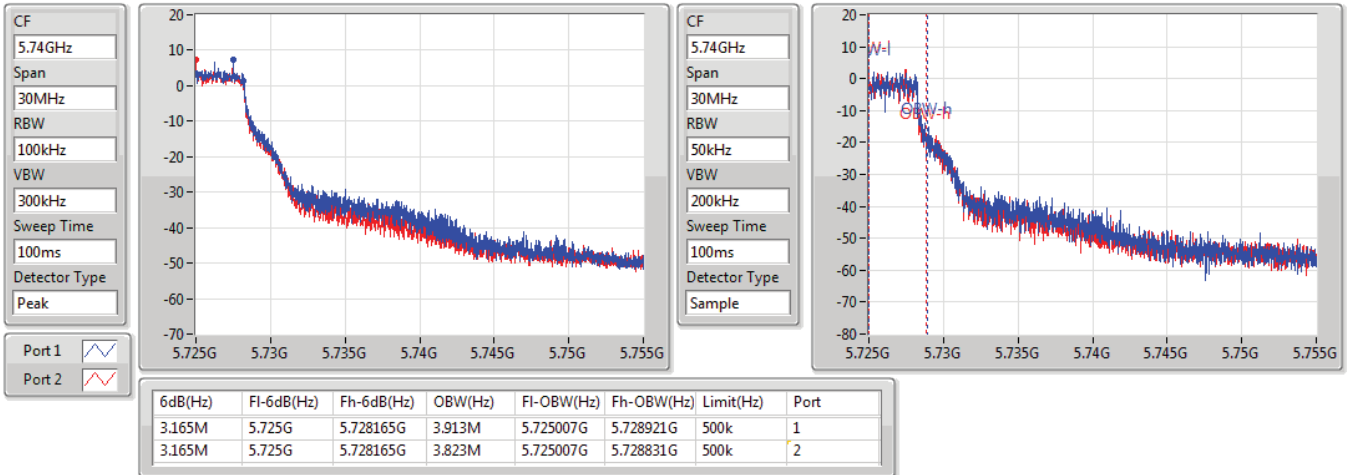

802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

05/08/2020

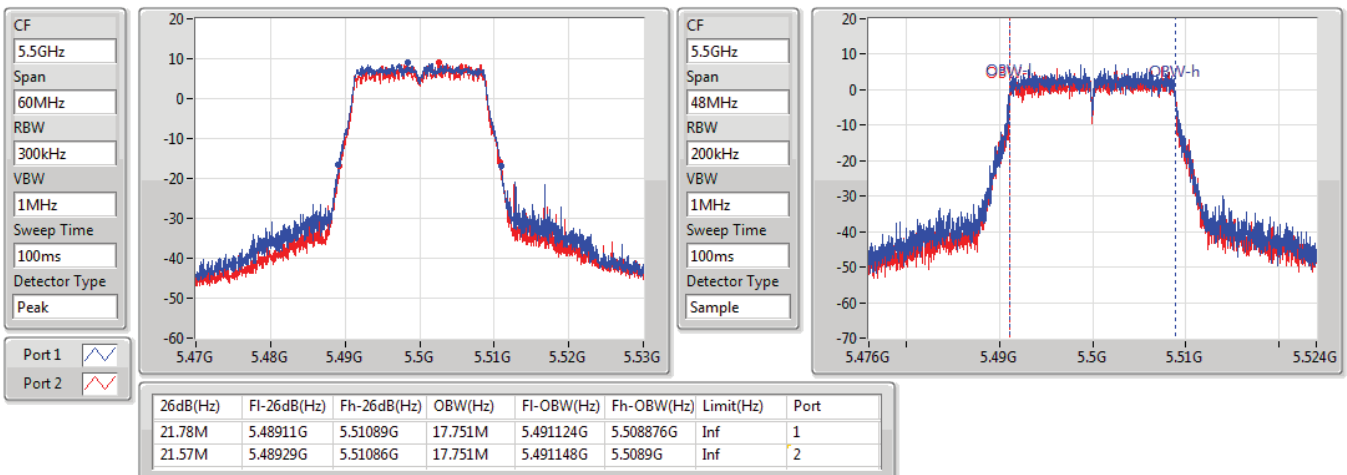


802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

05/08/2020

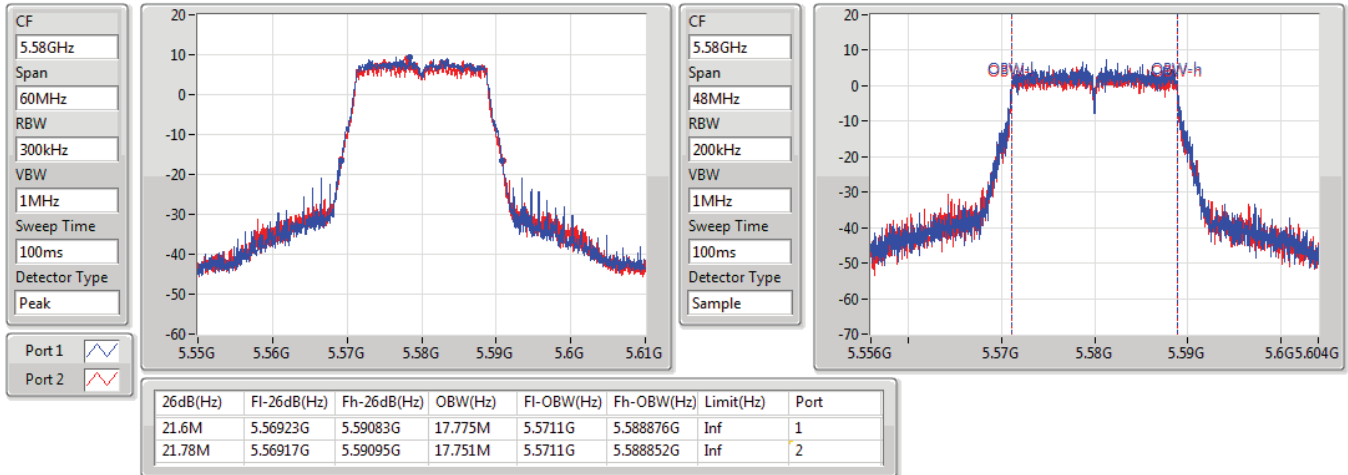

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

05/08/2020

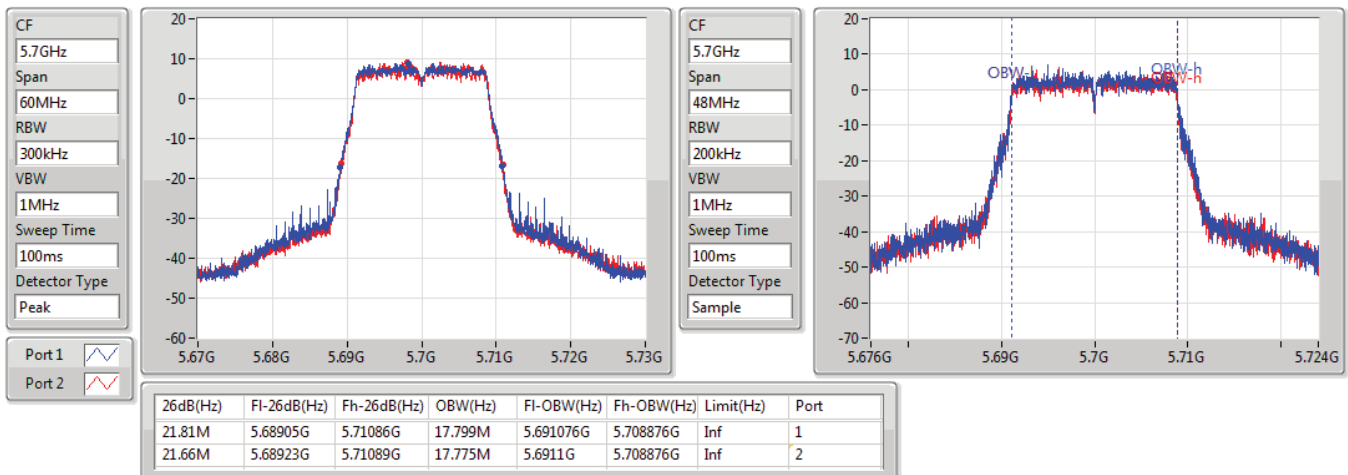


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5580MHz

05/08/2020

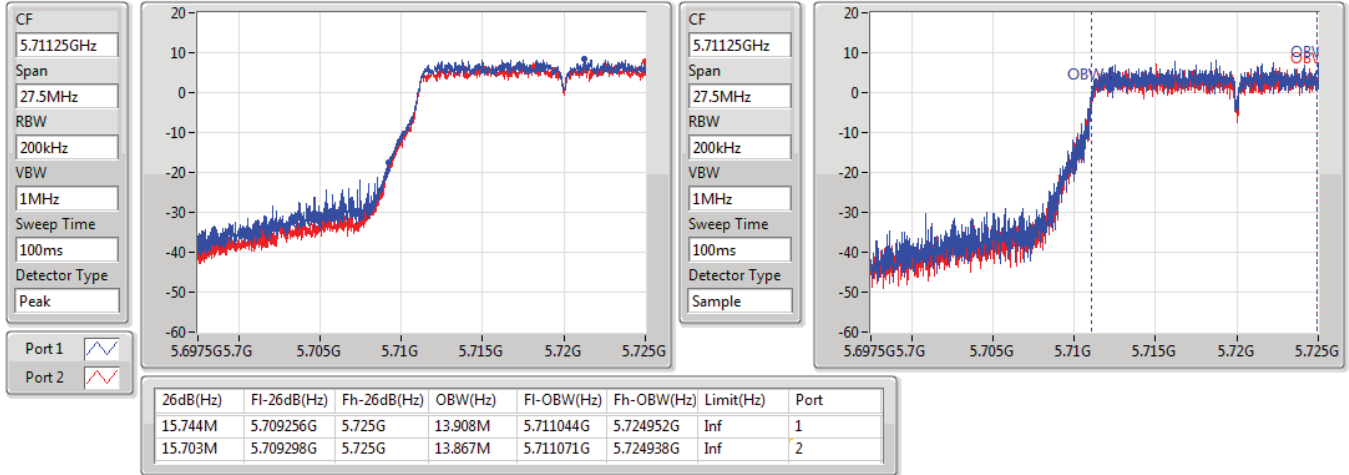

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5700MHz

05/08/2020

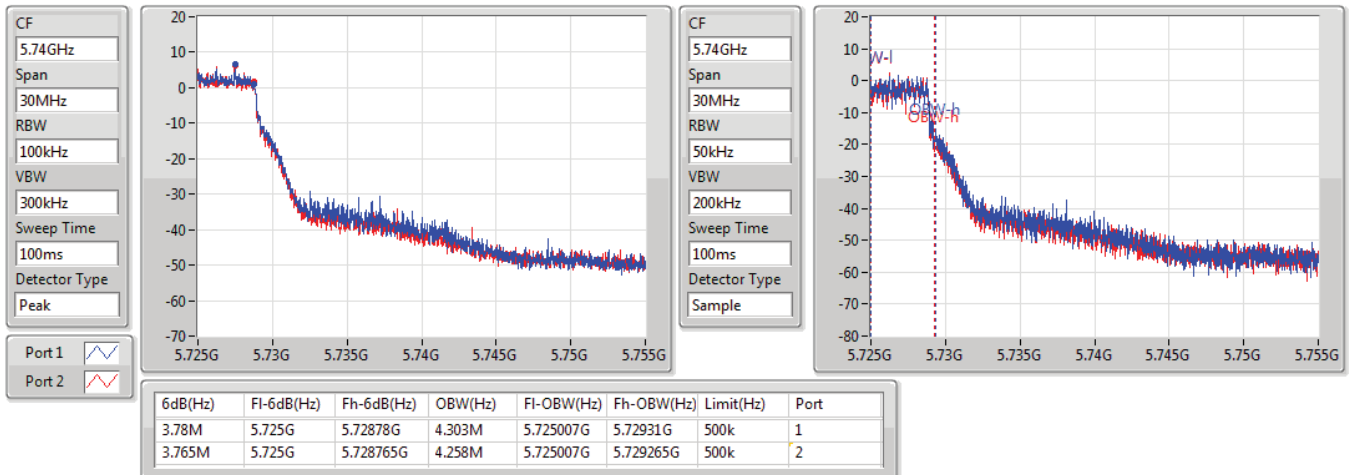


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

05/08/2020

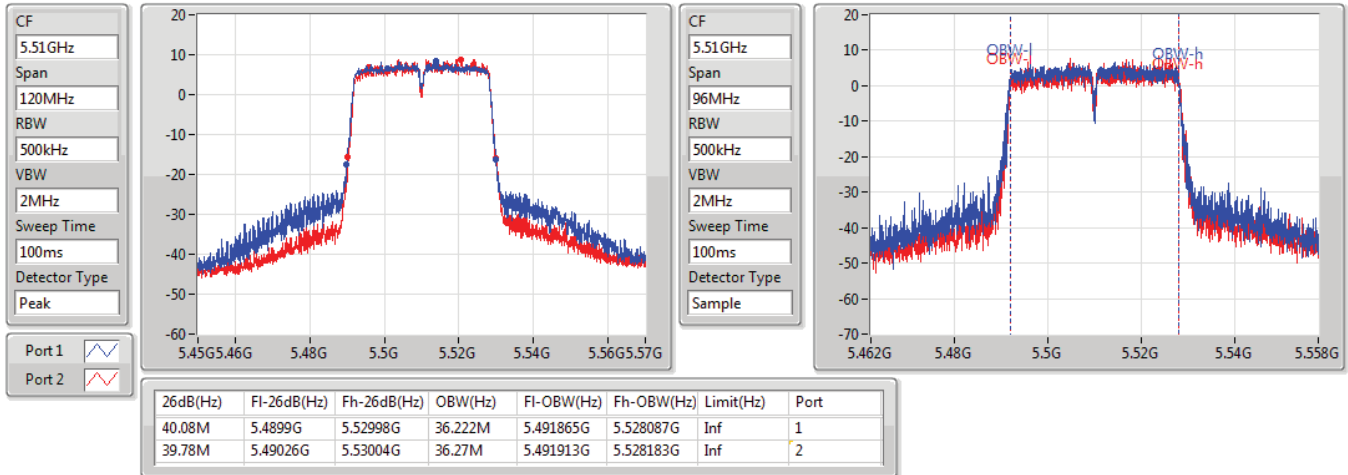

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

05/08/2020

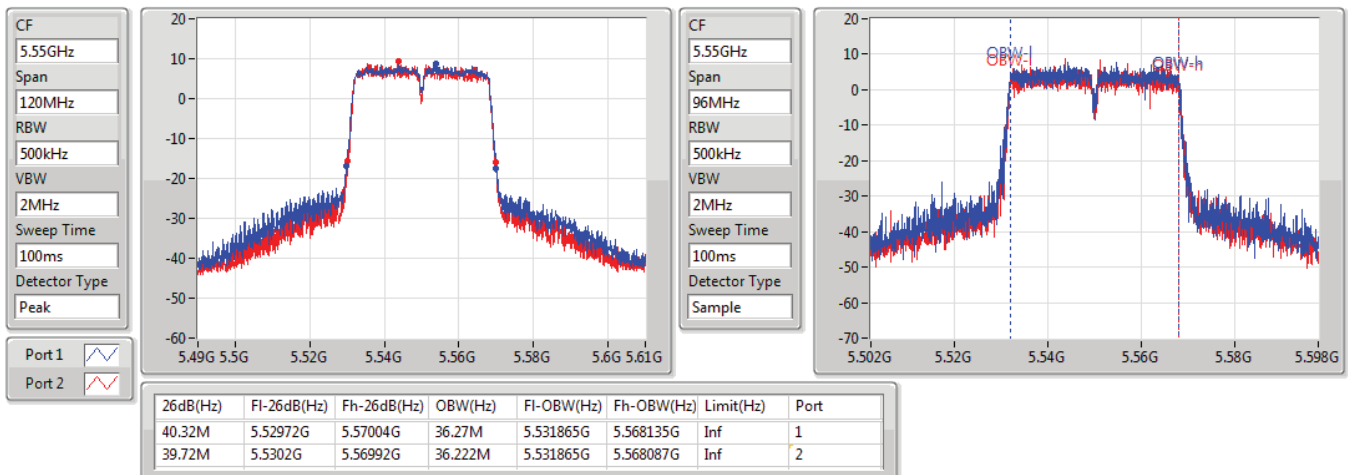


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5510MHz

05/08/2020

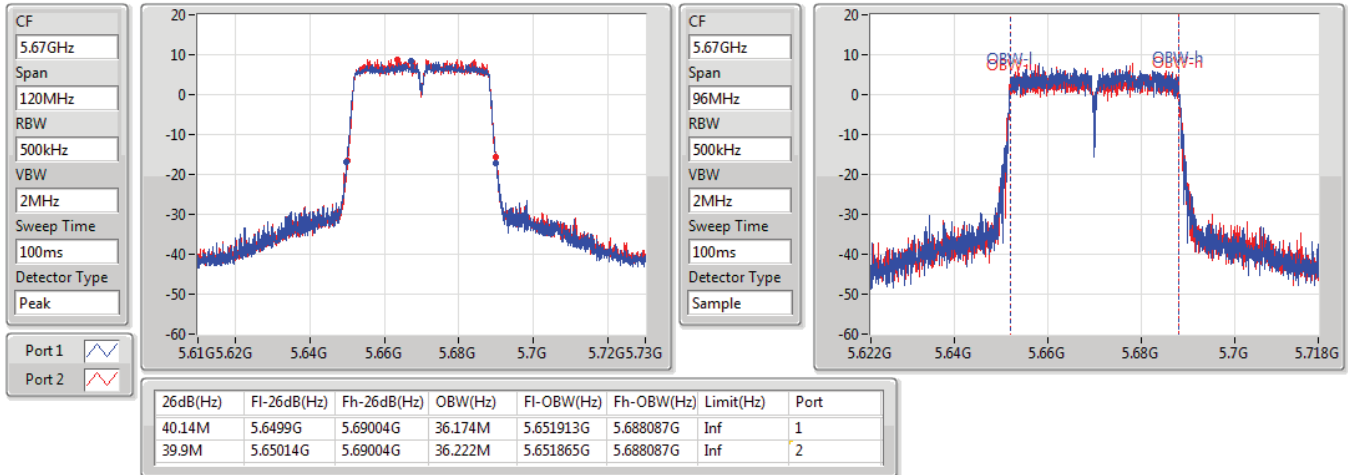

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5550MHz

05/08/2020

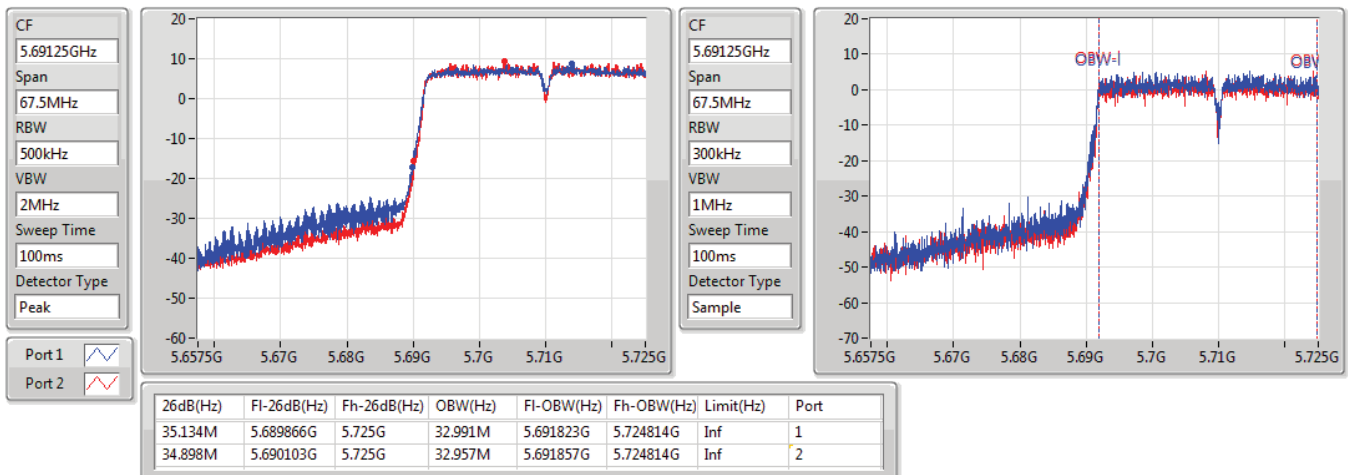


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5670MHz

05/08/2020

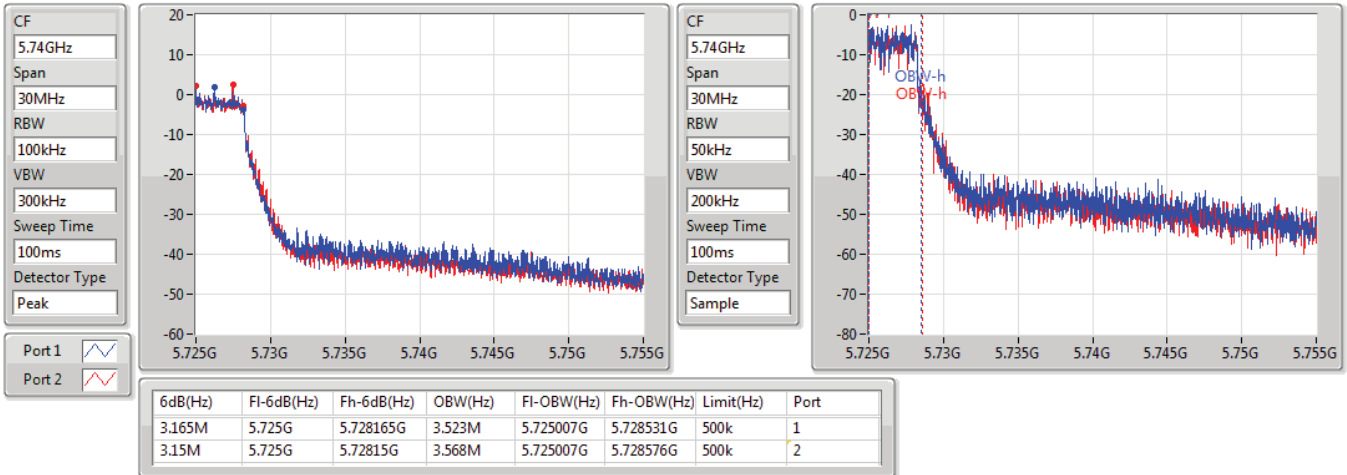

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

05/08/2020

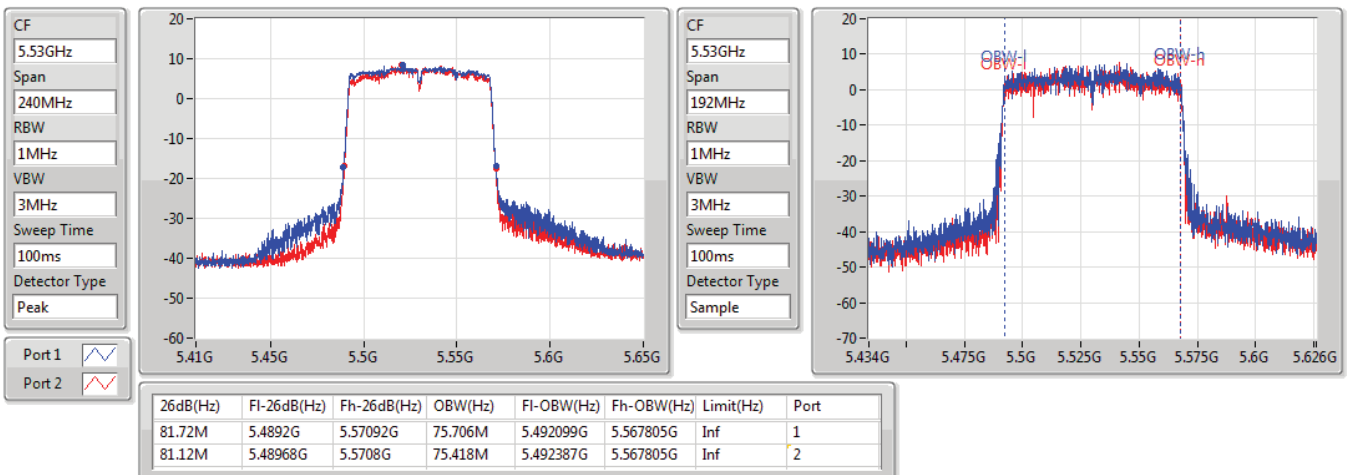


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

05/08/2020

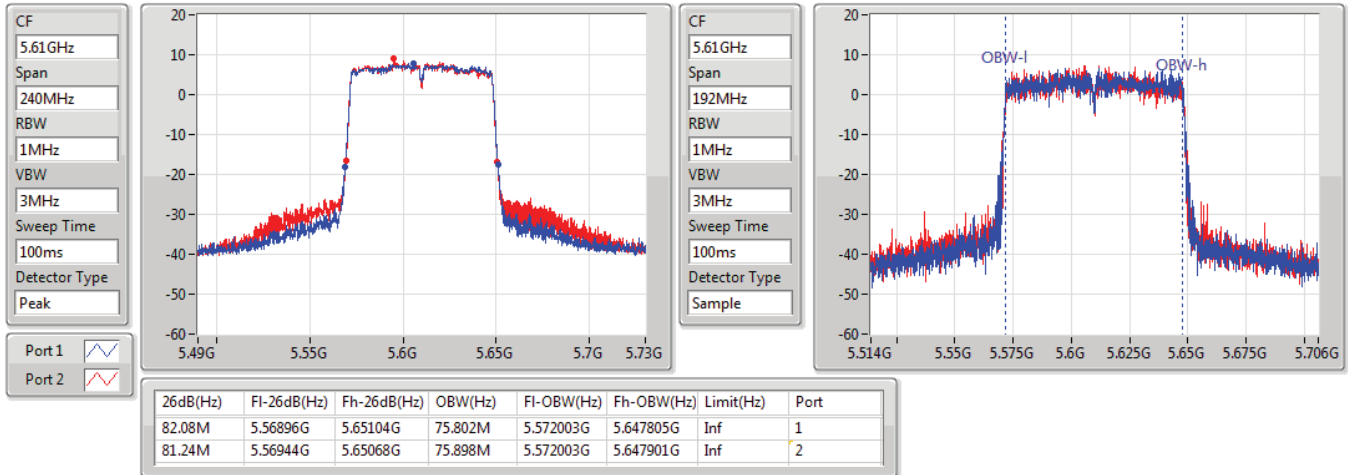

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5530MHz

05/08/2020

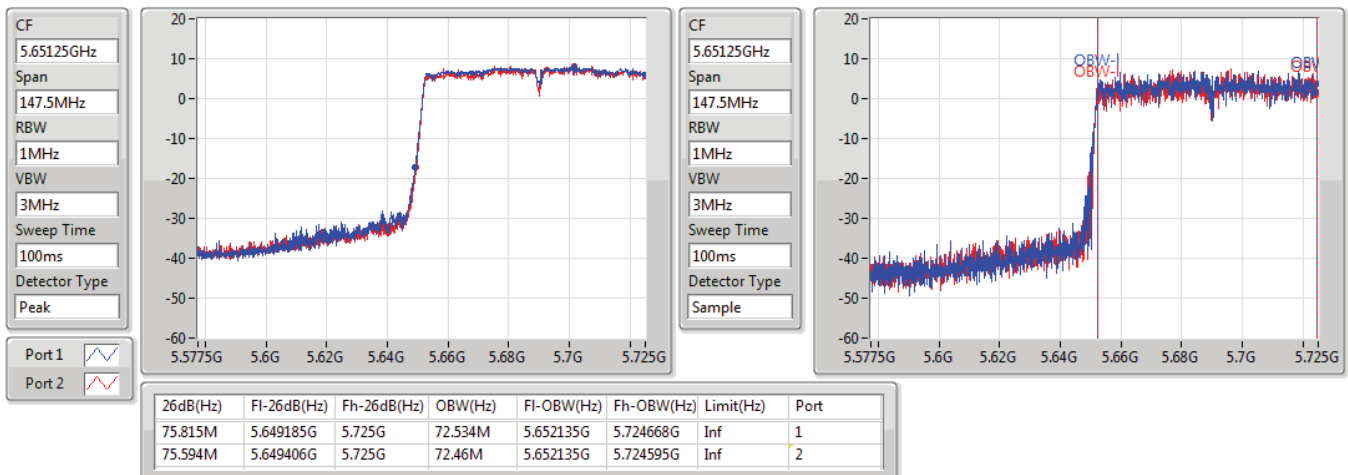


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5610MHz

05/08/2020

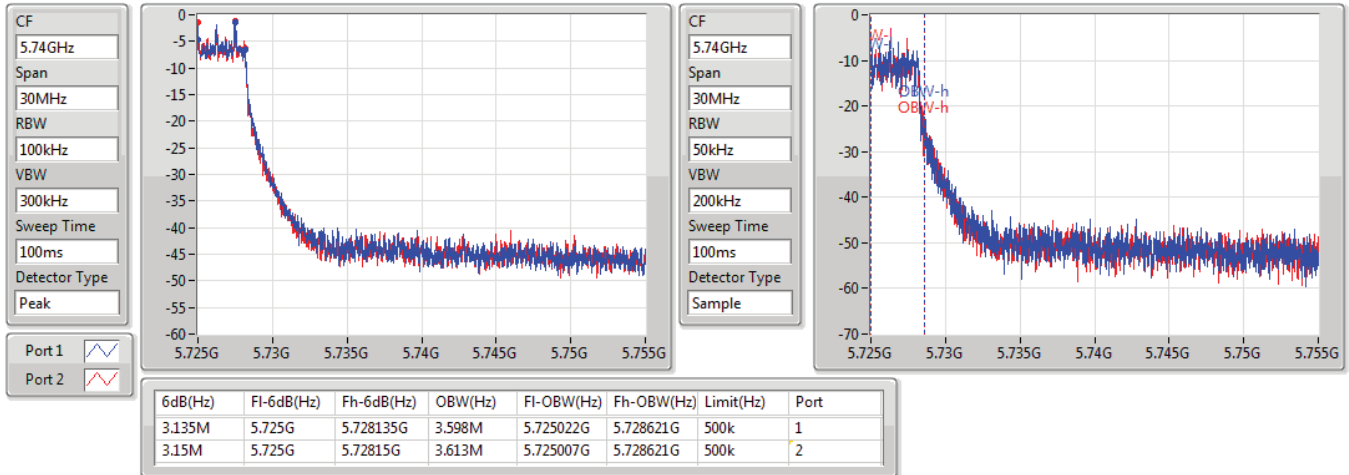

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

05/08/2020

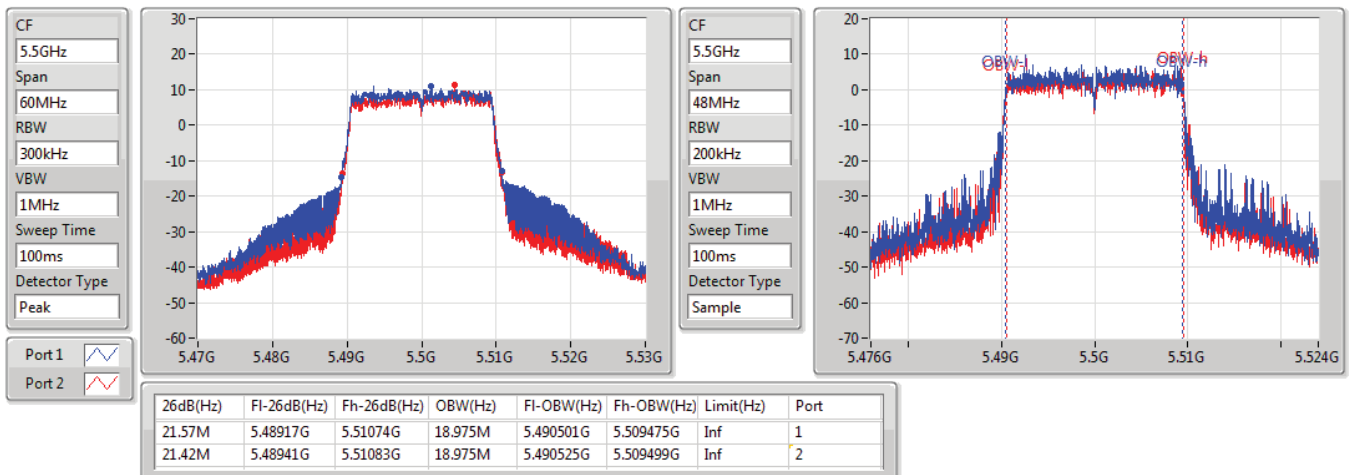


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

05/08/2020

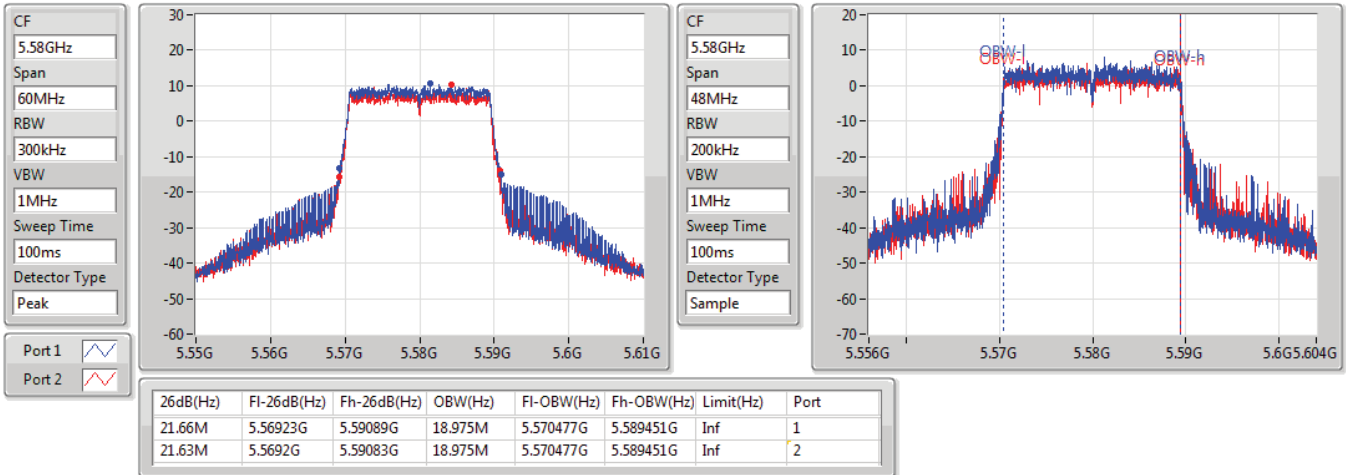

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5500MHz

05/08/2020

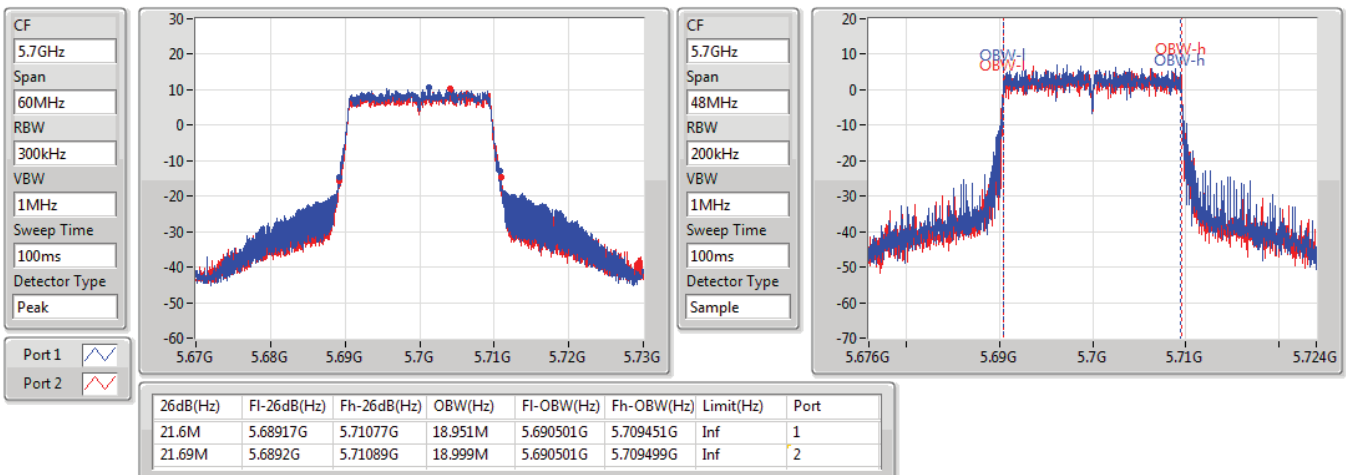


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5580MHz

05/08/2020

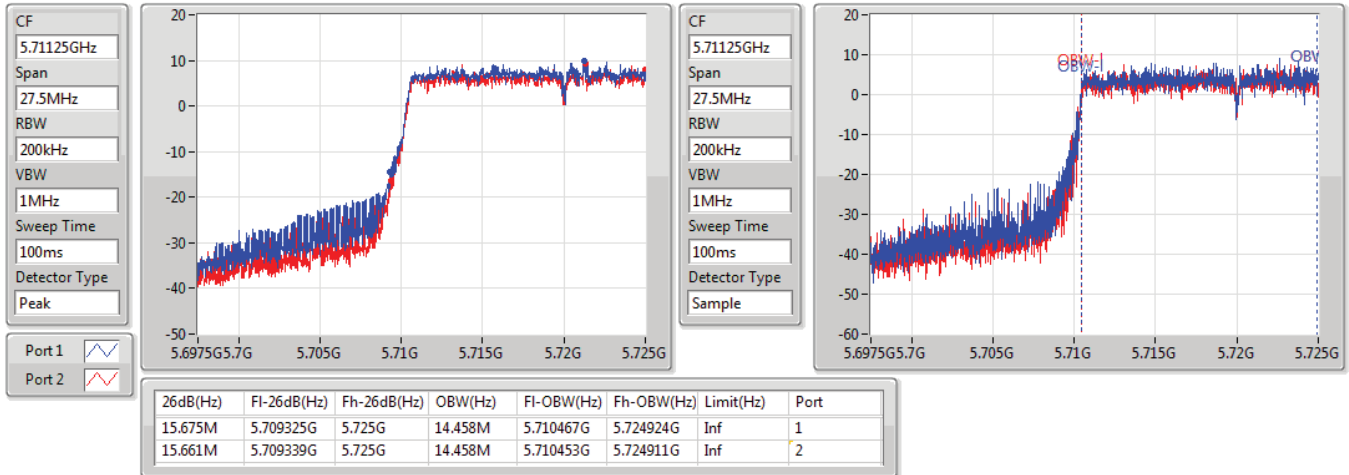

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5700MHz

05/08/2020

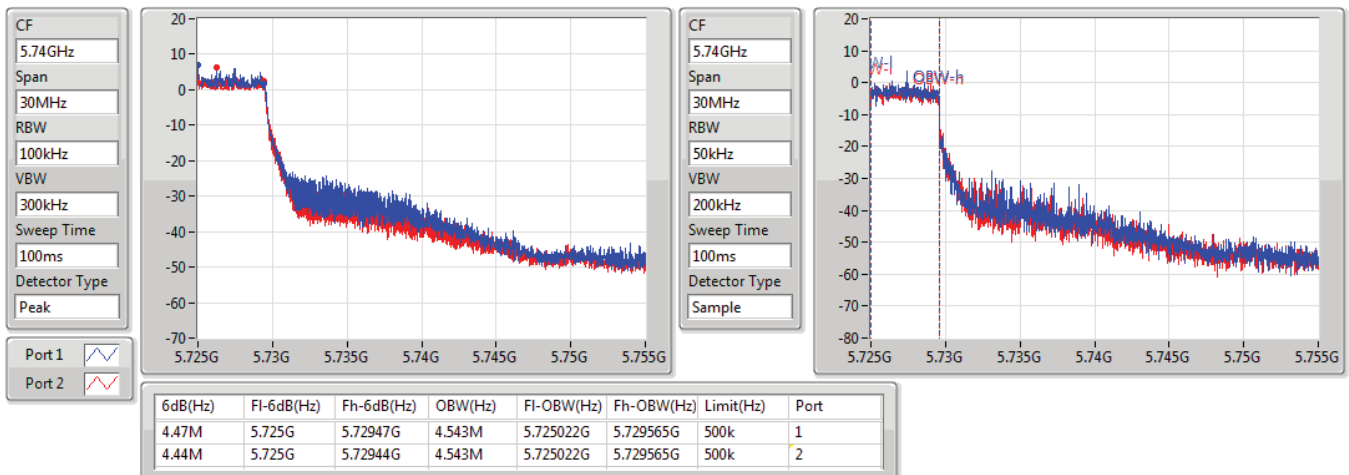


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

05/08/2020

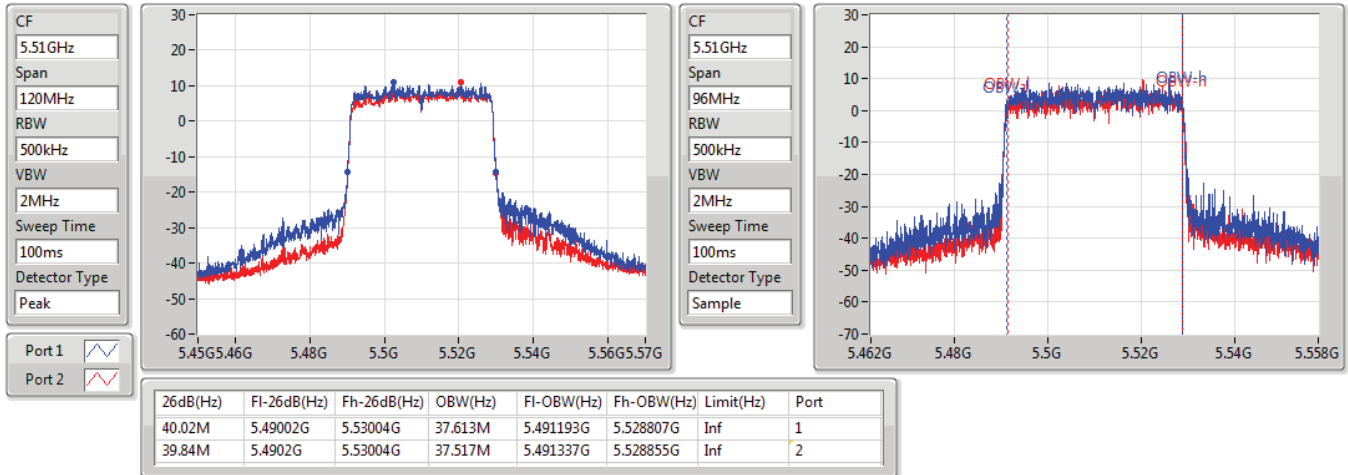

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

05/08/2020

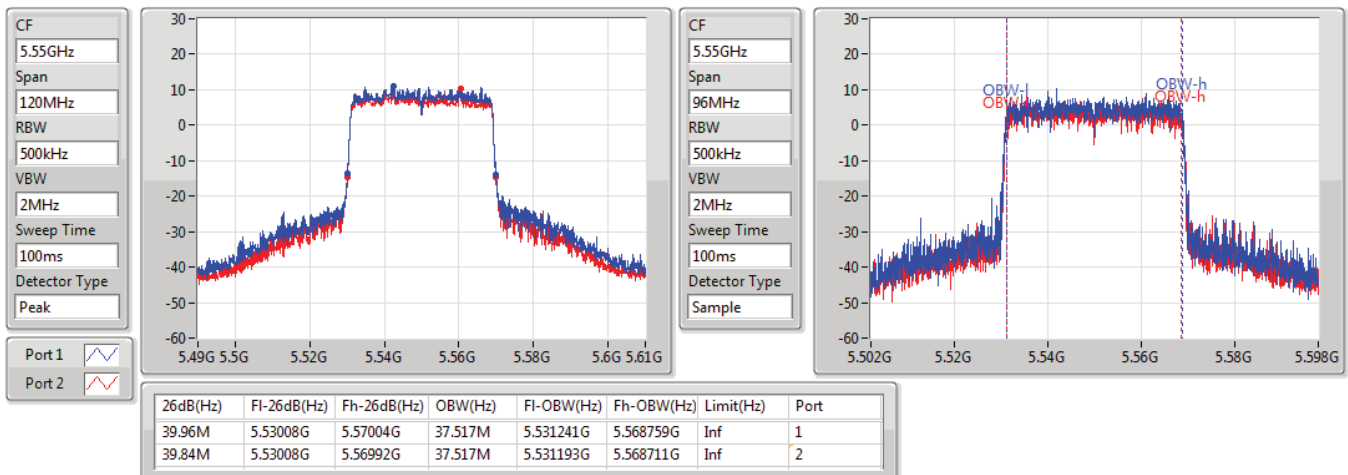


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5510MHz

05/08/2020

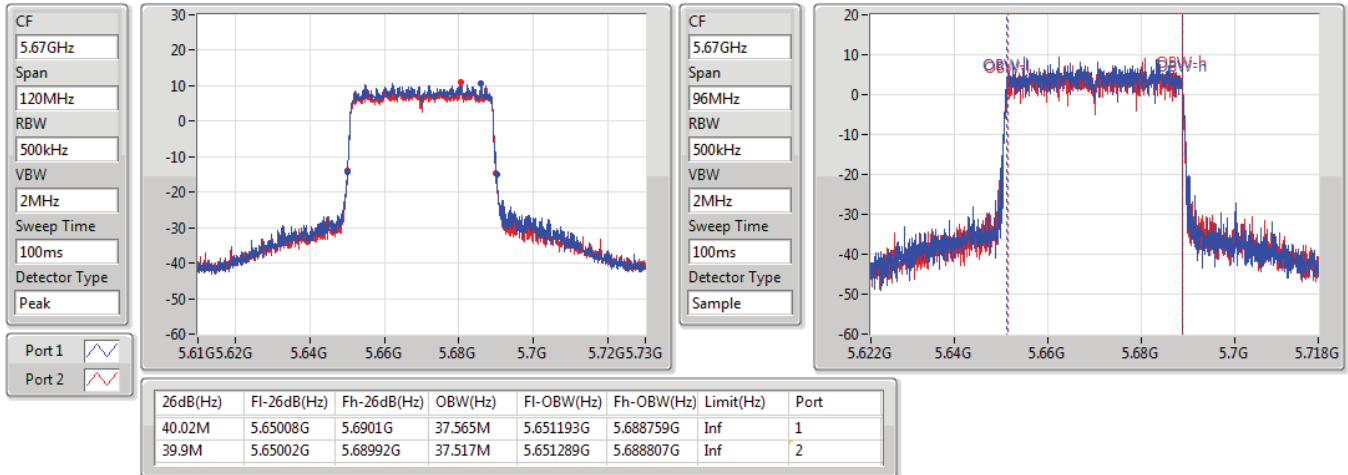

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5550MHz

05/08/2020

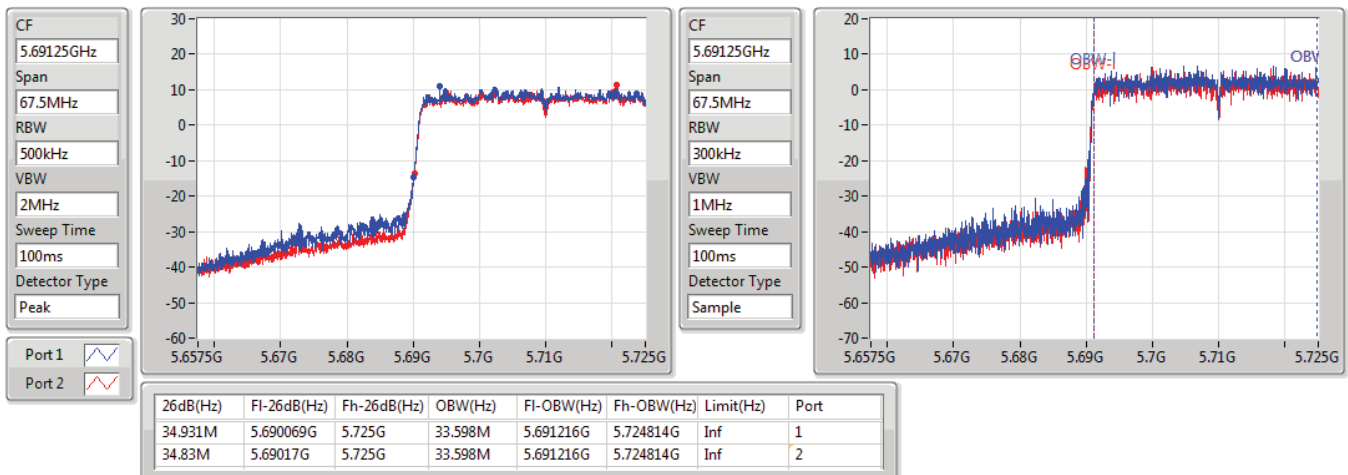


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5670MHz

05/08/2020

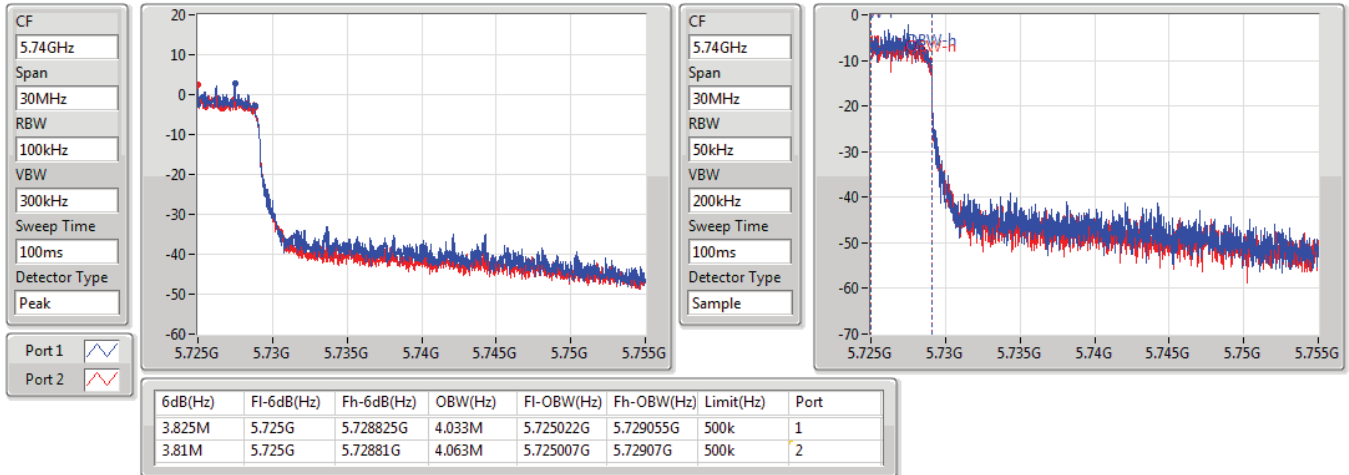

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

05/08/2020

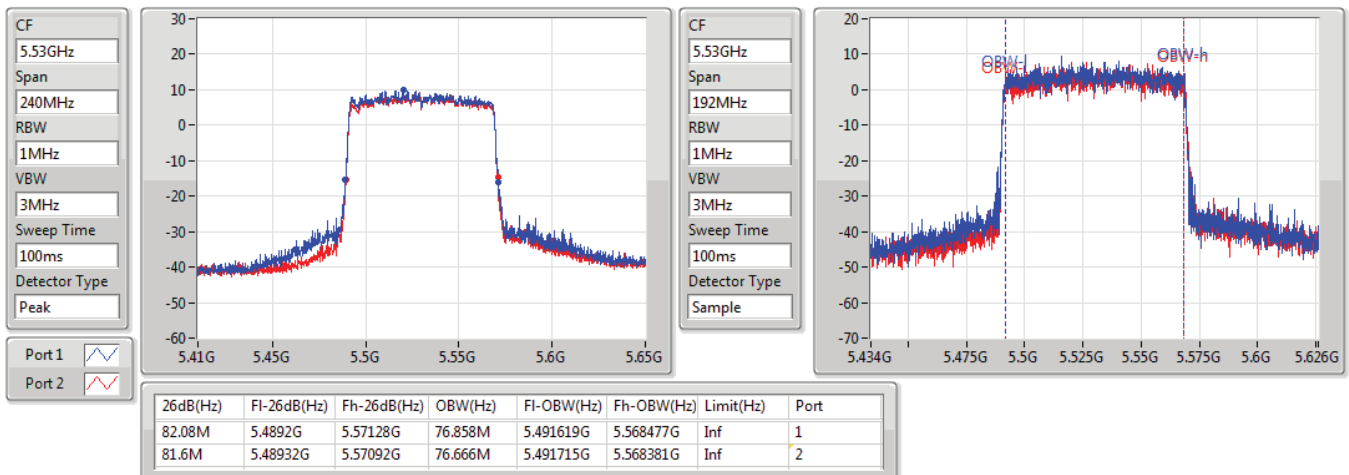


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

05/08/2020

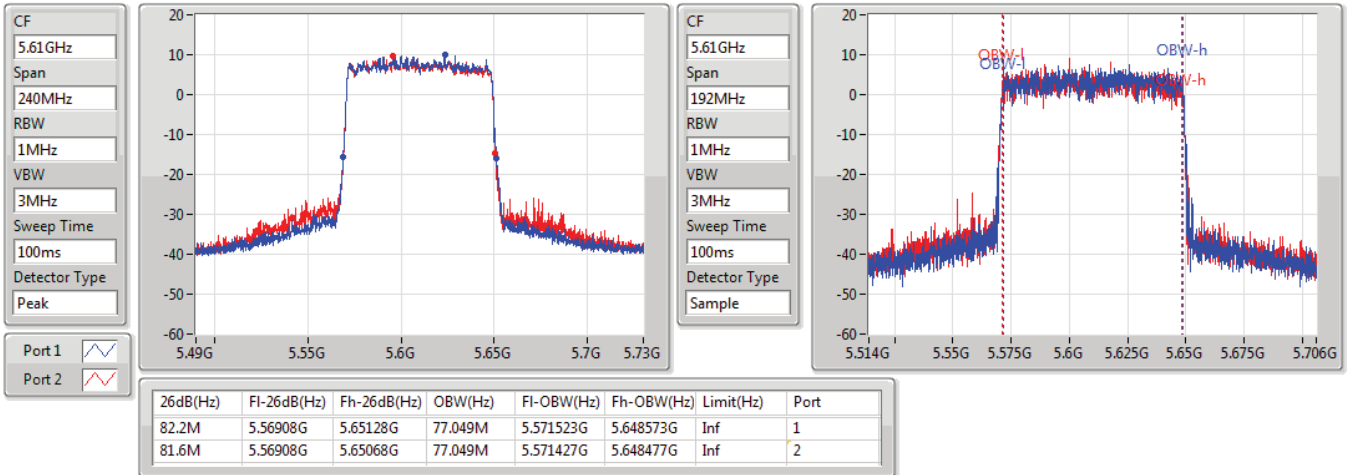

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5530MHz

05/08/2020

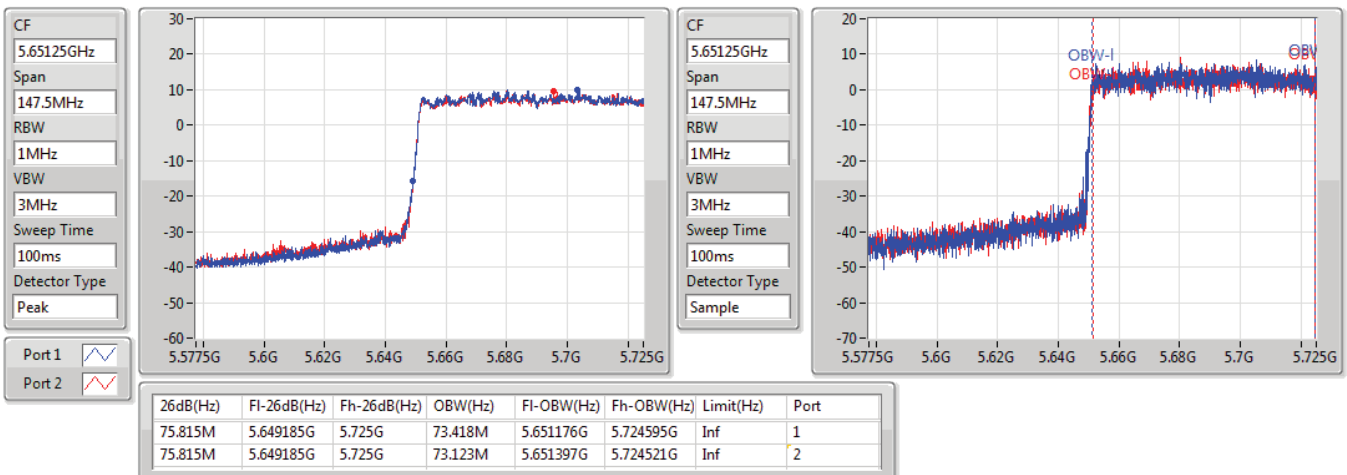


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5610MHz

05/08/2020


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

05/08/2020

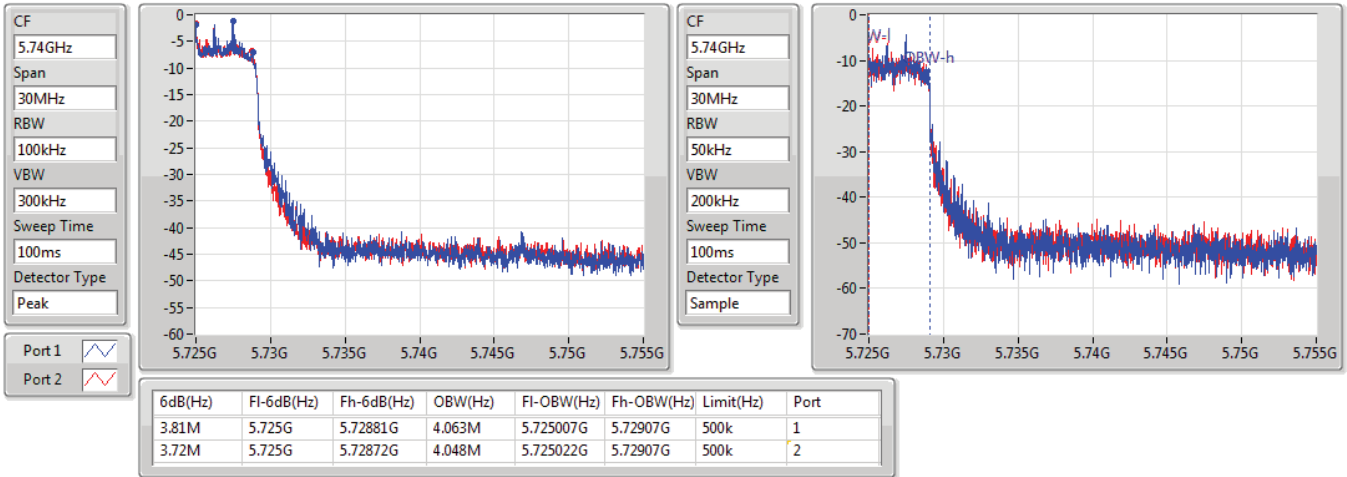


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/08/2020



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.23M	16.648M	16M6D1D	21.45M	16.528M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.78M	17.775M	17M8D1D	21.63M	17.751M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.26M	36.222M	36M2D1D	39.36M	36.174M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.96M	75.706M	75M7D1D	81.48M	75.61M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.75M	18.999M	19M0D1D	21.42M	18.927M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.08M	37.613M	37M6D1D	39.78M	37.517M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.08M	77.049M	77M0D1D	81.84M	77.049M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	24.42M	16.624M	16M6D1D	15.716M	13.262M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.81M	17.799M	17M8D1D	15.689M	13.881M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.2M	36.318M	36M3D1D	34.898M	32.957M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.96M	75.898M	75M9D1D	75.52M	72.386M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.72M	18.999M	19M0D1D	15.703M	14.472M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.08M	37.757M	37M8D1D	34.898M	33.666M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.32M	77.241M	77M2D1D	75.741M	73.197M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.255M	4.063M	4M06D1D	3.18M	3.973M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.78M	4.393M	4M39D1D	3.78M	4.348M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.165M	3.733M	3M73D1D	3.15M	3.703M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.165M	3.703M	3M70D1D	3.15M	3.628M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.545M	4.573M	4M57D1D	4.485M	4.573M
802.11ax HEW40_Nss1,(MCS0)_2TX	3.825M	4.078M	4M08D1D	3.795M	4.063M
802.11ax HEW80_Nss1,(MCS0)_2TX	3.81M	4.078M	4M08D1D	3.765M	4.063M

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	21.45M	16.6M	22.14M	16.576M
5300MHz	Pass	Inf	21.6M	16.552M	21.9M	16.648M
5320MHz	Pass	Inf	21.48M	16.528M	22.23M	16.6M
5500MHz	Pass	Inf	21.39M	16.624M	21.54M	16.504M
5580MHz	Pass	Inf	21.6M	16.552M	24.42M	16.528M
5700MHz	Pass	Inf	21.54M	16.552M	21.78M	16.552M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.716M	13.303M	15.868M	13.262M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.255M	4.063M	3.18M	3.973M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.78M	17.775M	21.72M	17.775M
5300MHz	Pass	Inf	21.78M	17.775M	21.66M	17.775M
5320MHz	Pass	Inf	21.75M	17.775M	21.63M	17.751M
5500MHz	Pass	Inf	21.81M	17.799M	21.75M	17.775M
5580MHz	Pass	Inf	21.75M	17.775M	21.57M	17.751M
5700MHz	Pass	Inf	21.72M	17.751M	21.51M	17.751M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.689M	13.881M	15.799M	13.881M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.393M	3.78M	4.348M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.26M	36.222M	39.36M	36.174M
5310MHz	Pass	Inf	40.14M	36.222M	39.78M	36.222M
5510MHz	Pass	Inf	40.2M	36.222M	39.72M	36.318M
5550MHz	Pass	Inf	40.2M	36.222M	39.96M	36.222M
5670MHz	Pass	Inf	40.14M	36.318M	39.78M	36.27M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.64M	32.991M	34.898M	32.957M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	3.703M	3.165M	3.733M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.96M	75.61M	81.48M	75.706M
5530MHz	Pass	Inf	81.96M	75.802M	81.72M	75.706M
5610MHz	Pass	Inf	81.72M	75.802M	81.48M	75.898M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.889M	72.46M	75.52M	72.386M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	3.703M	3.165M	3.628M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.75M	18.975M	21.54M	18.927M
5300MHz	Pass	Inf	21.66M	18.999M	21.51M	18.975M
5320MHz	Pass	Inf	21.6M	18.951M	21.42M	18.951M
5500MHz	Pass	Inf	21.63M	18.975M	21.51M	18.999M
5580MHz	Pass	Inf	21.63M	18.975M	21.36M	18.951M
5700MHz	Pass	Inf	21.72M	18.999M	21.6M	18.927M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.936M	14.472M	15.703M	14.485M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.485M	4.573M	4.545M	4.573M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.08M	37.565M	39.78M	37.613M
5310MHz	Pass	Inf	39.9M	37.517M	39.78M	37.565M



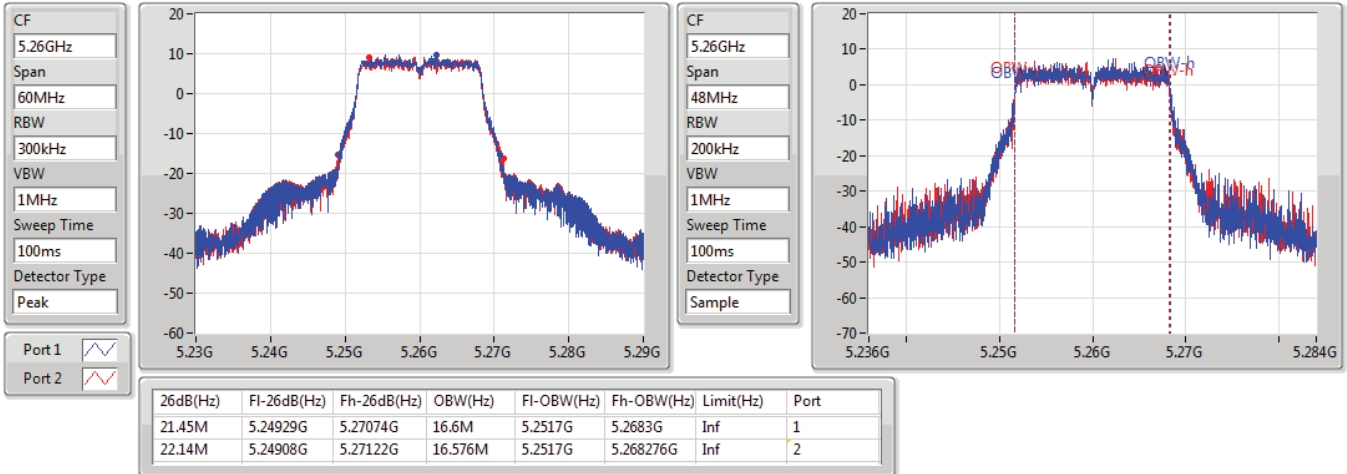
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5510MHz	Pass	Inf	40.02M	37.613M	39.84M	37.517M
5550MHz	Pass	Inf	40.02M	37.757M	39.84M	37.613M
5670MHz	Pass	Inf	40.08M	37.517M	39.84M	37.517M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.898M	33.666M	34.898M	33.666M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.825M	4.063M	3.795M	4.078M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.08M	77.049M	81.84M	77.049M
5530MHz	Pass	Inf	82.32M	77.241M	81.84M	77.049M
5610MHz	Pass	Inf	81.96M	76.954M	81.72M	76.858M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.741M	73.345M	75.815M	73.197M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.81M	4.078M	3.765M	4.063M

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

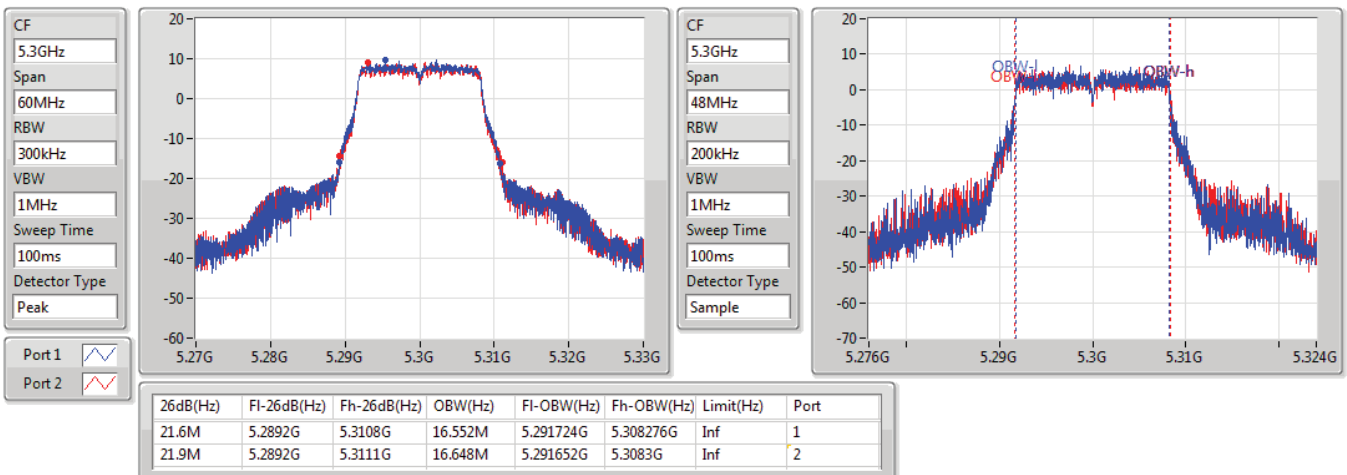
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

06/08/2020

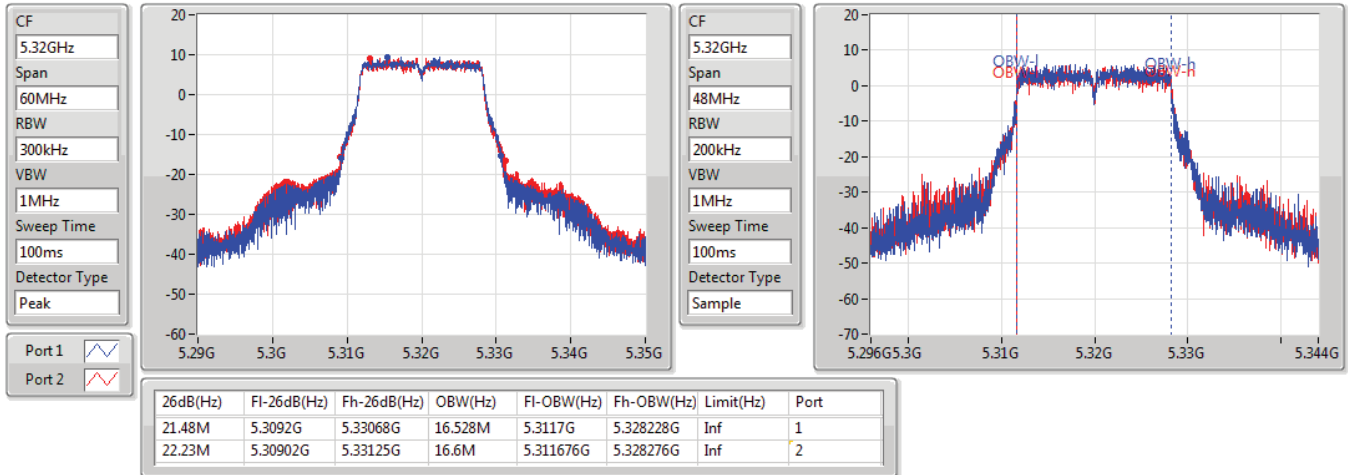

802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

06/08/2020

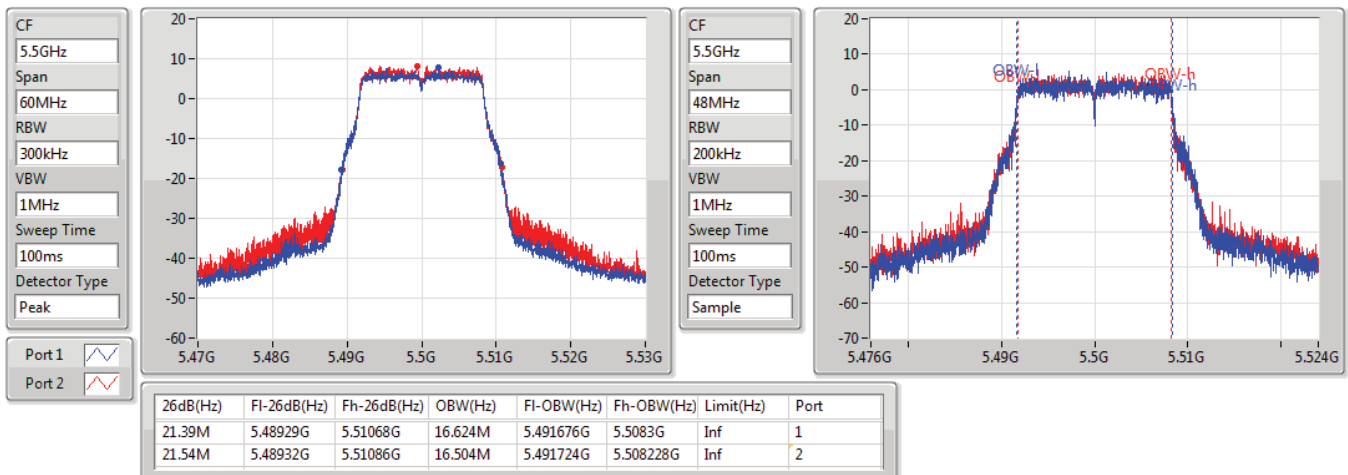


802.11a_Nss1,(6Mbps)_2TX
EBW
5320MHz

06/08/2020

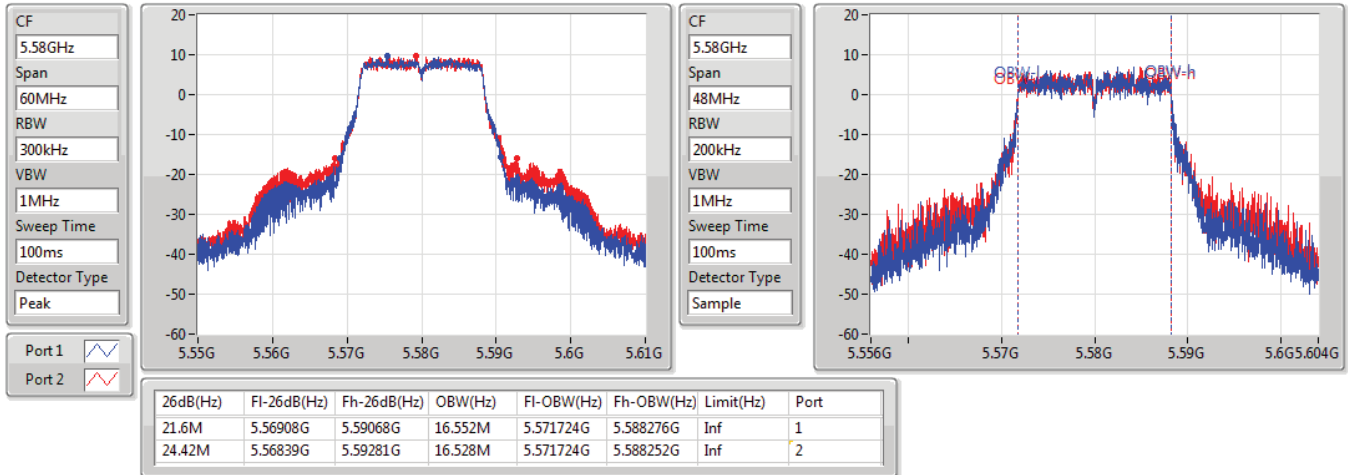

802.11a_Nss1,(6Mbps)_2TX
EBW
5500MHz

14/08/2020

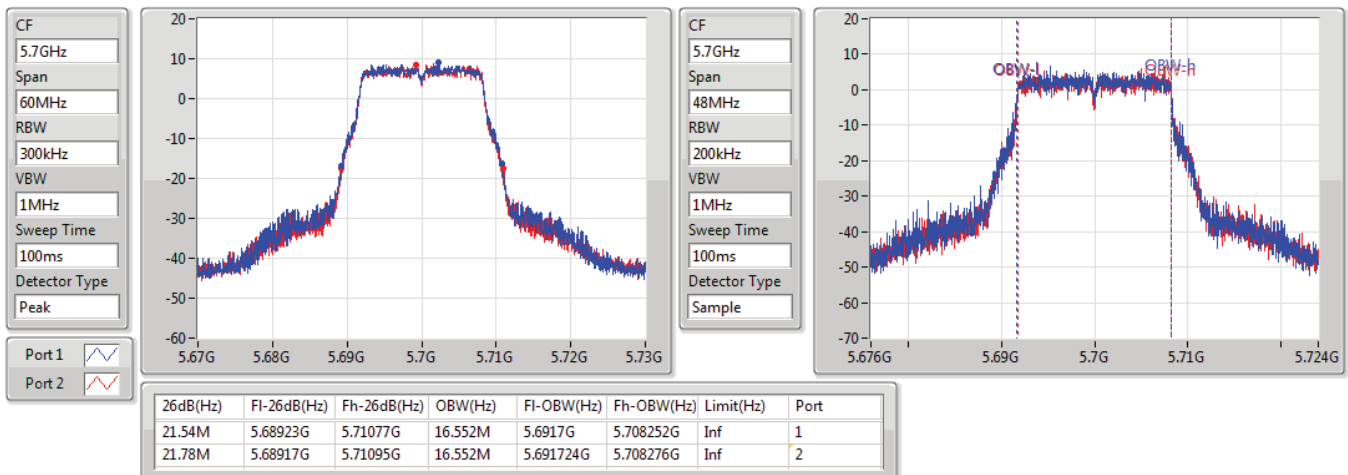


802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

06/08/2020

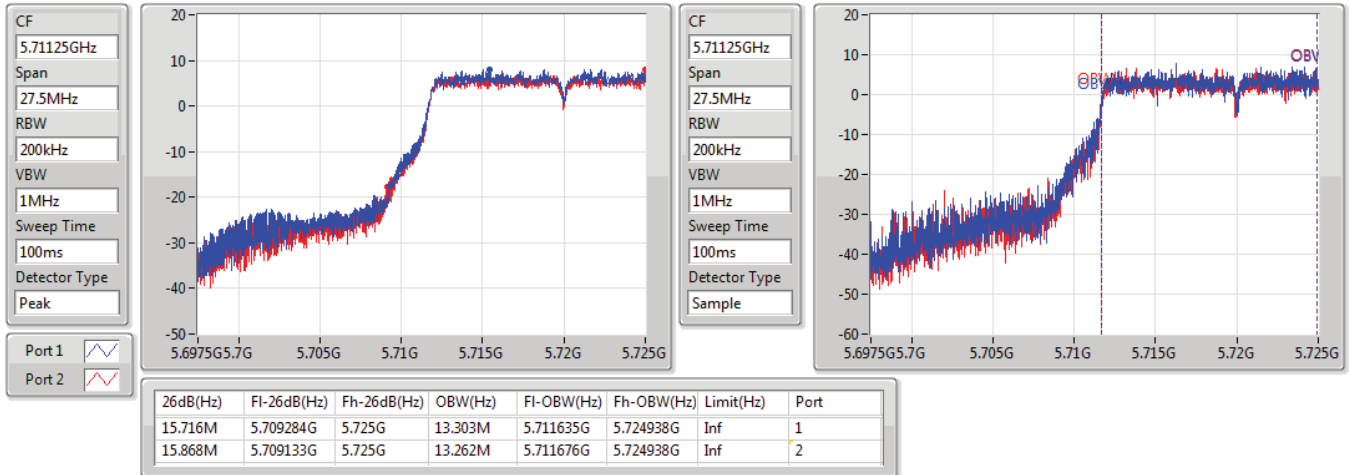

802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

14/08/2020

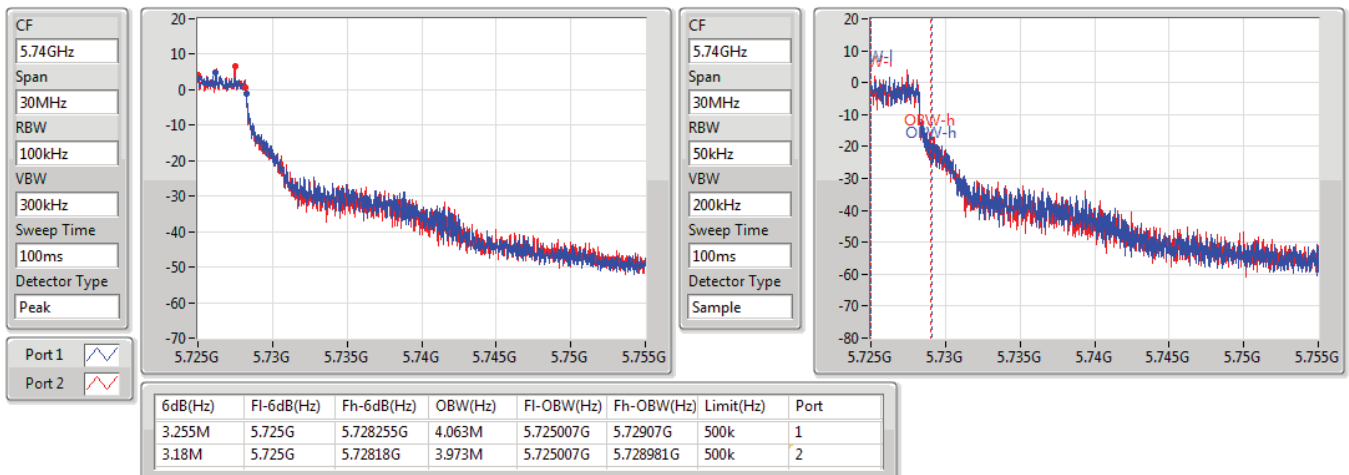


802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

06/08/2020

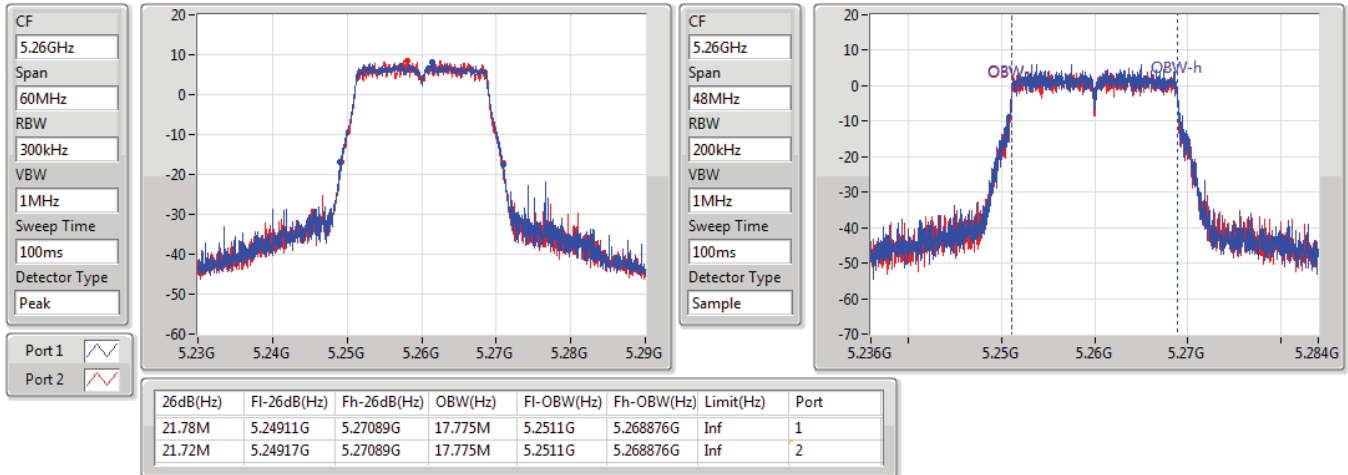

802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

06/08/2020

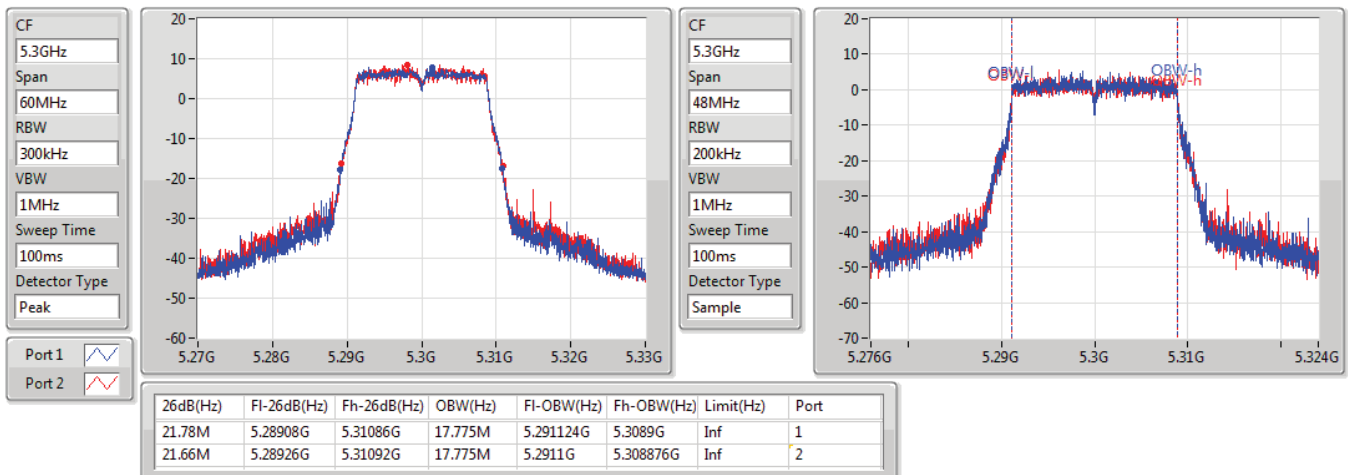


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5260MHz

06/08/2020

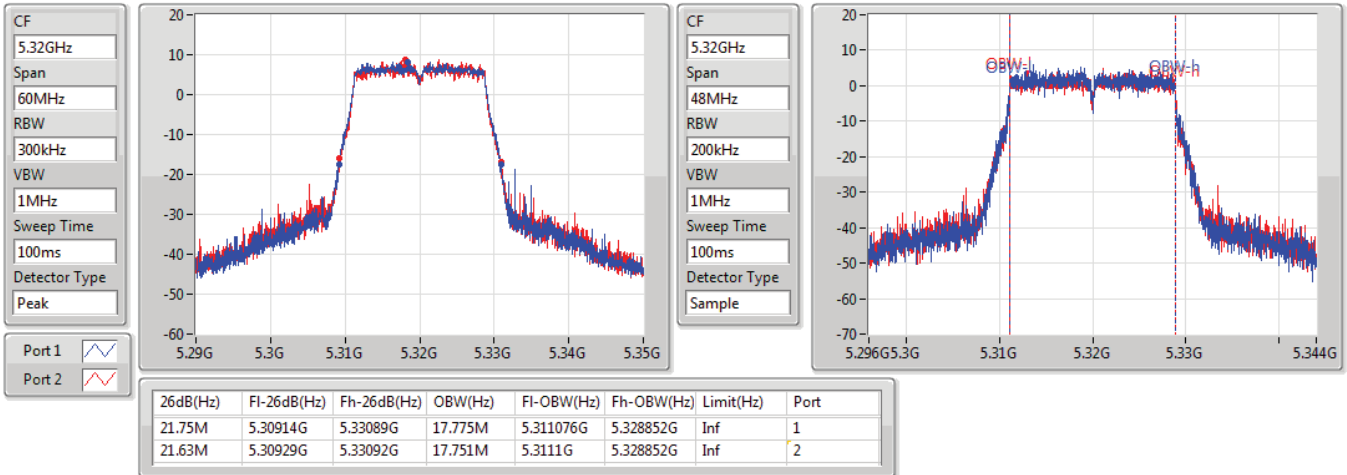

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

06/08/2020

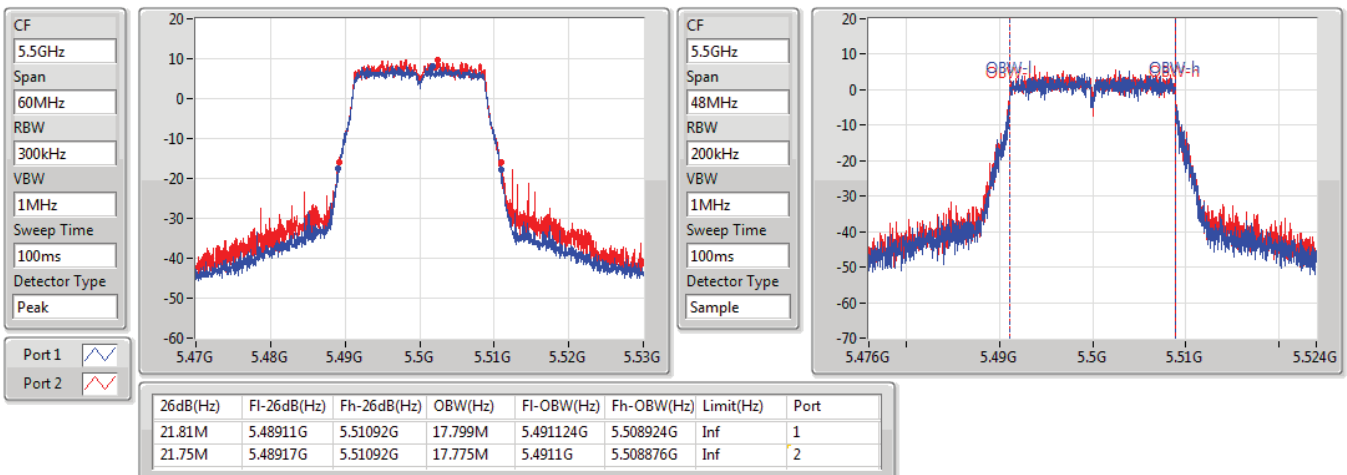


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5320MHz

06/08/2020

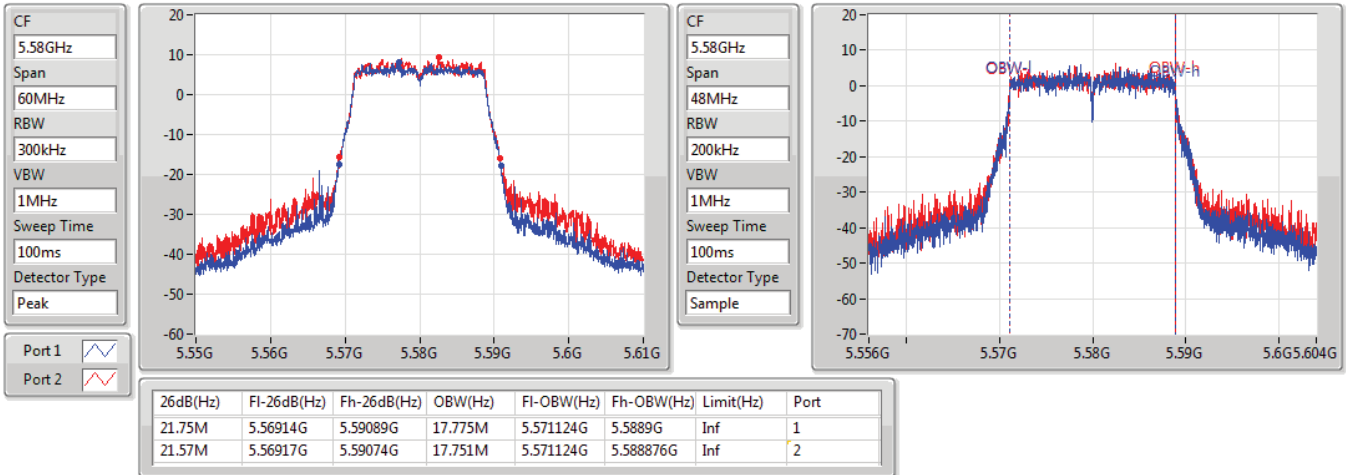

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

14/08/2020

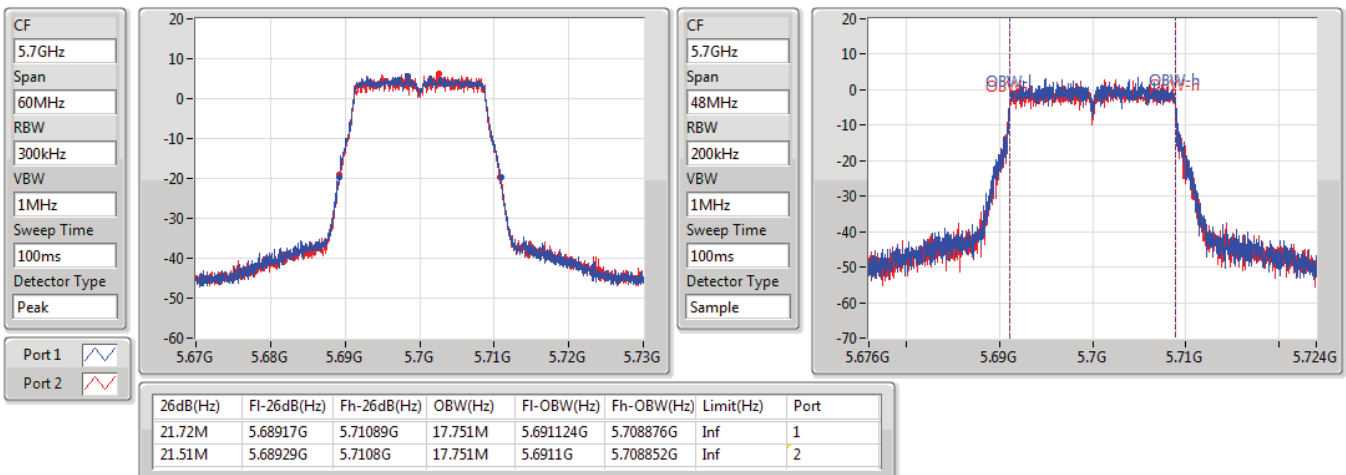


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5580MHz

07/08/2020

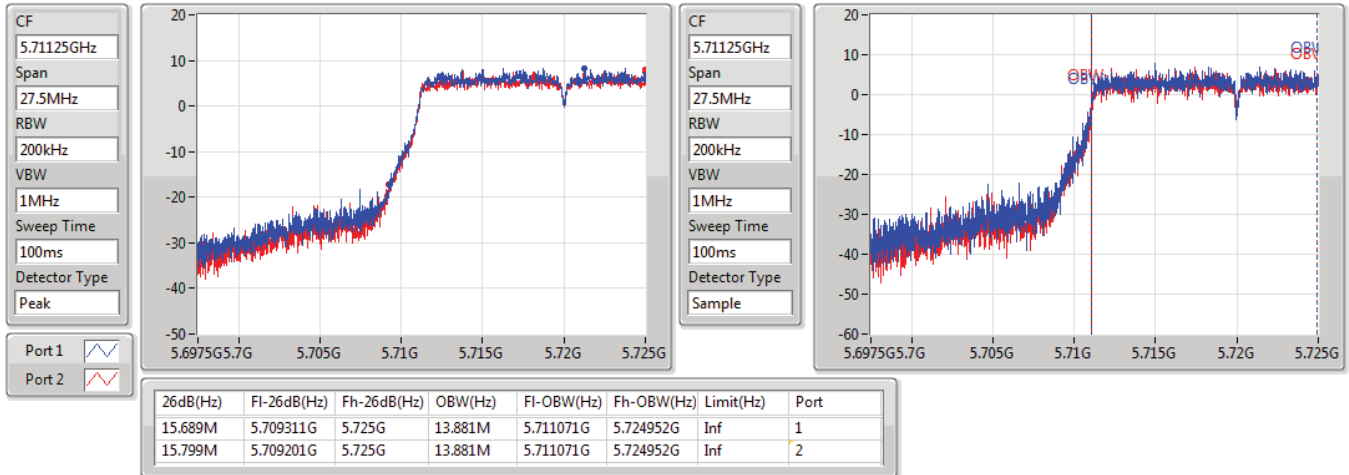

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5700MHz

14/08/2020

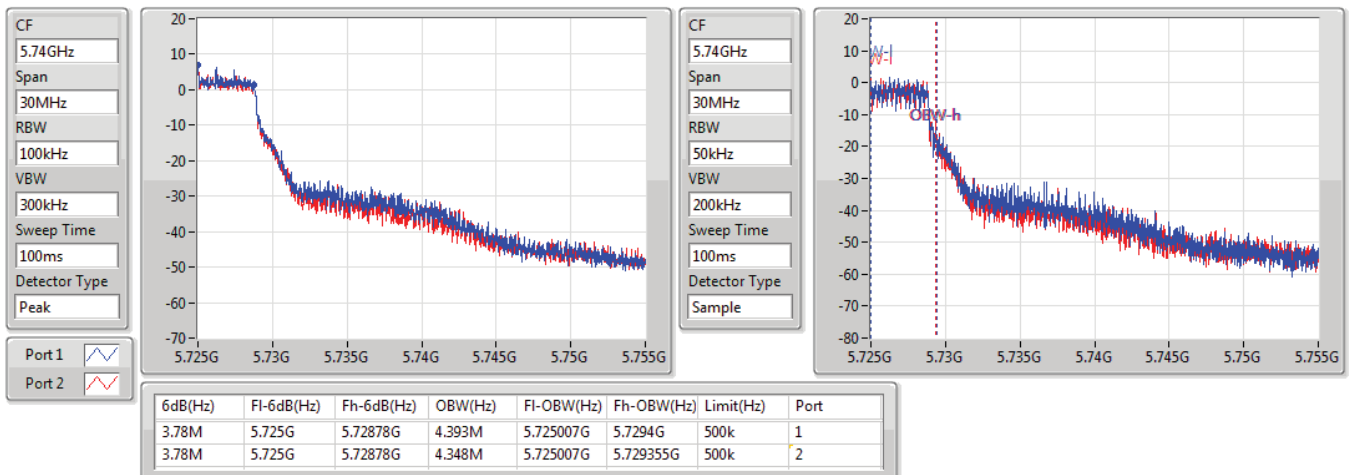


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

07/08/2020

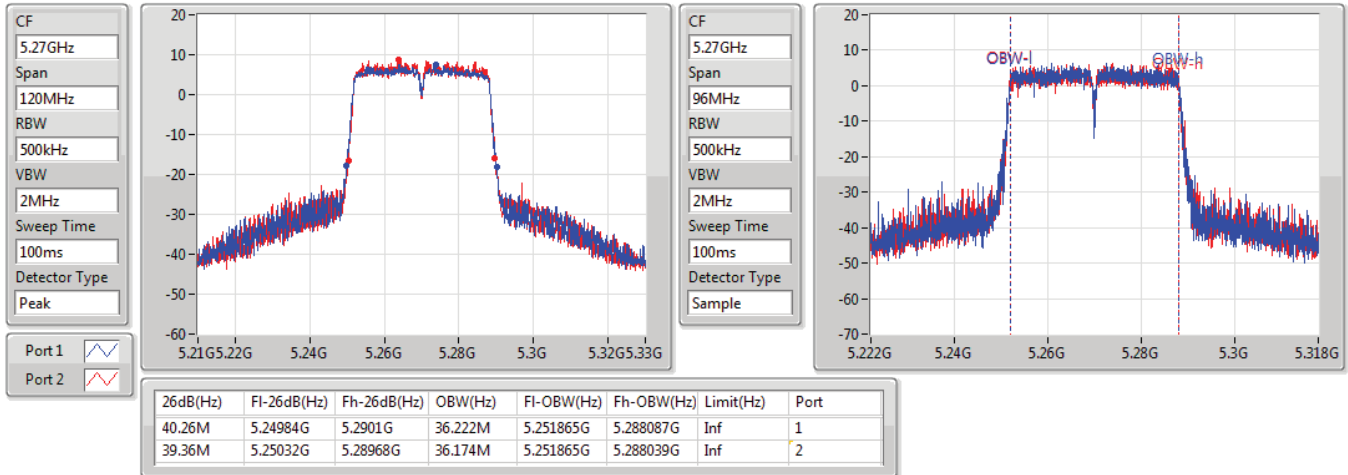

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

07/08/2020

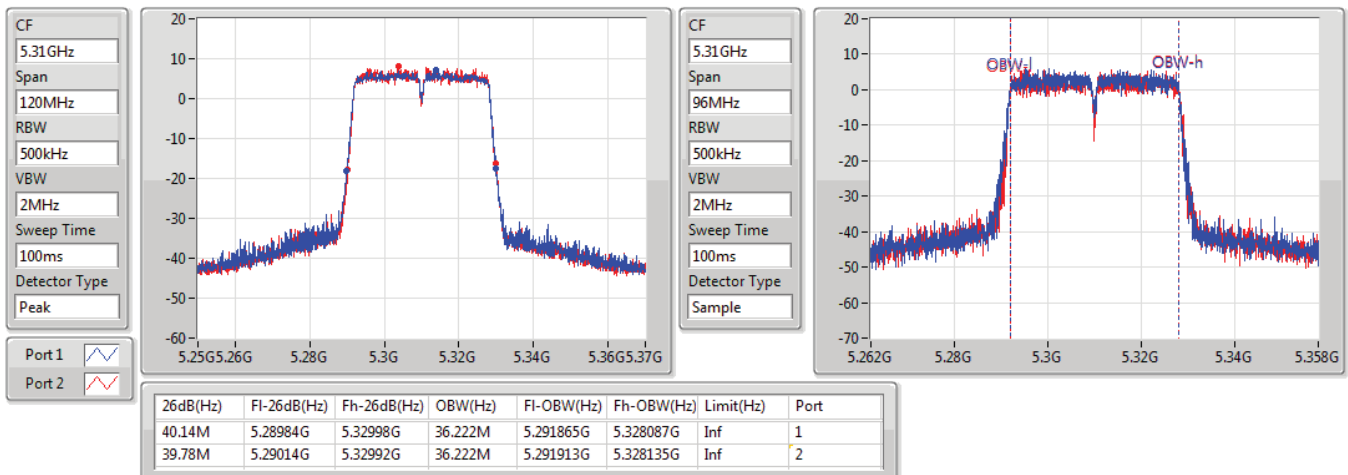


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5270MHz

07/08/2020

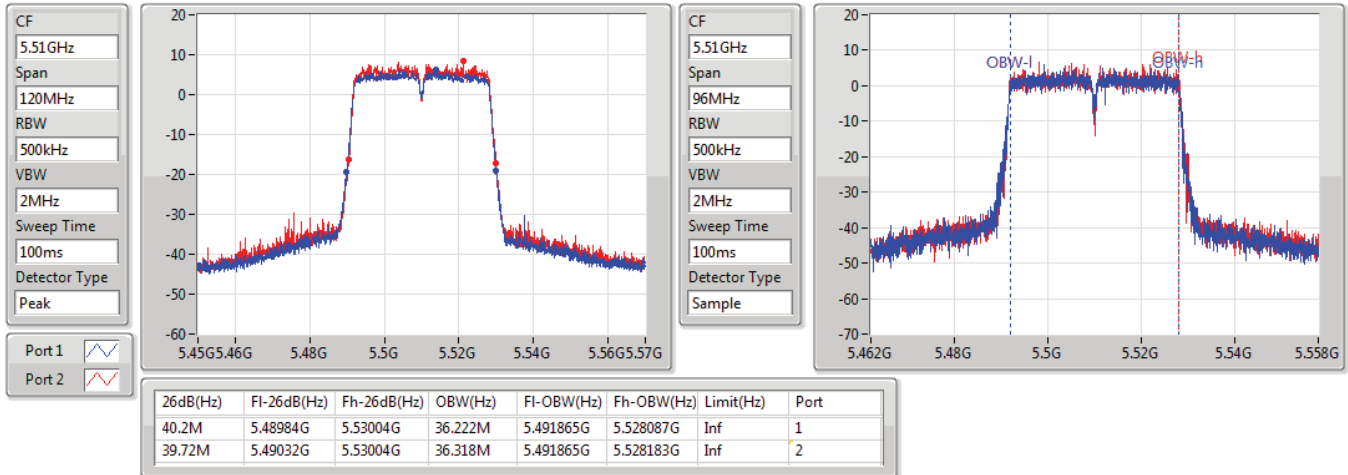

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5310MHz

14/08/2020

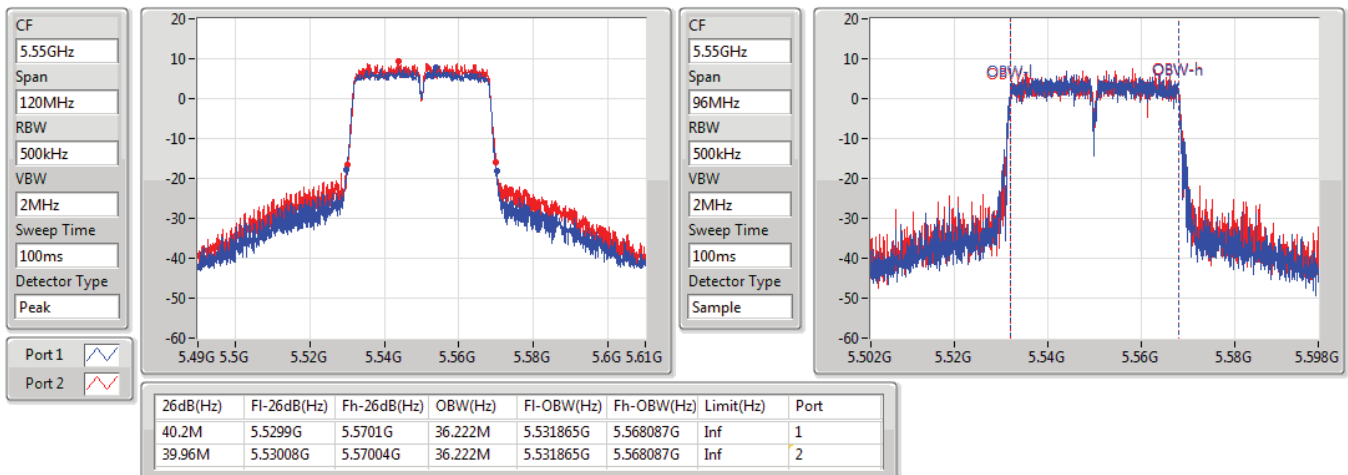


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5510MHz

14/08/2020

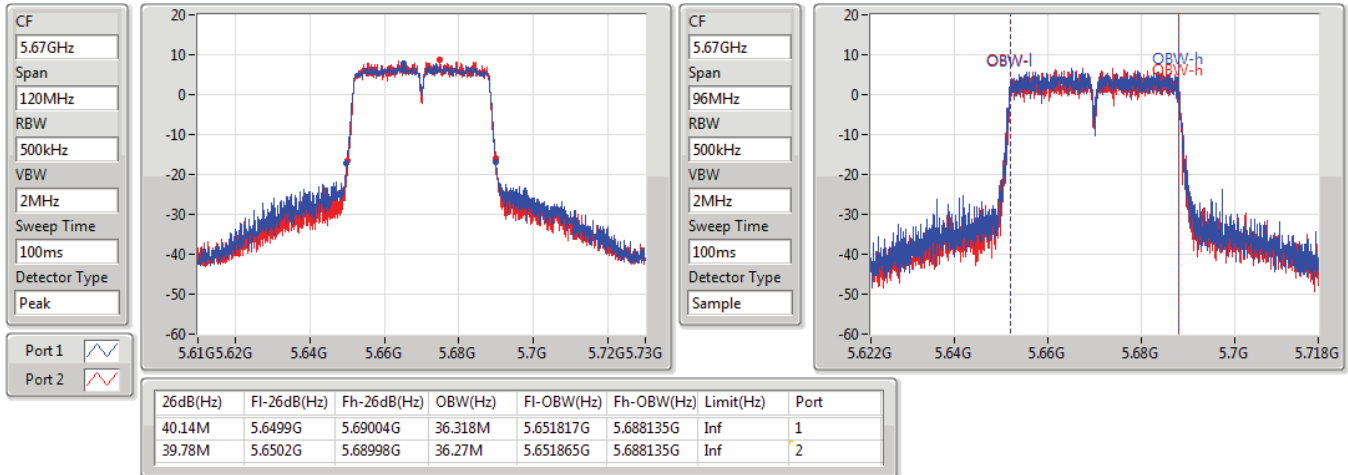

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5550MHz

07/08/2020

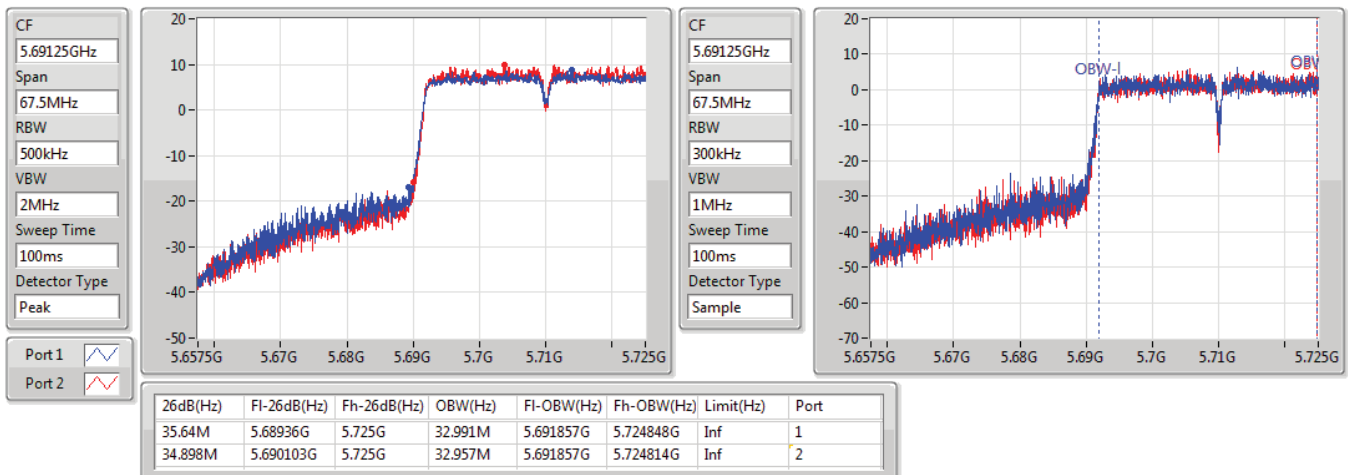


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5670MHz

07/08/2020

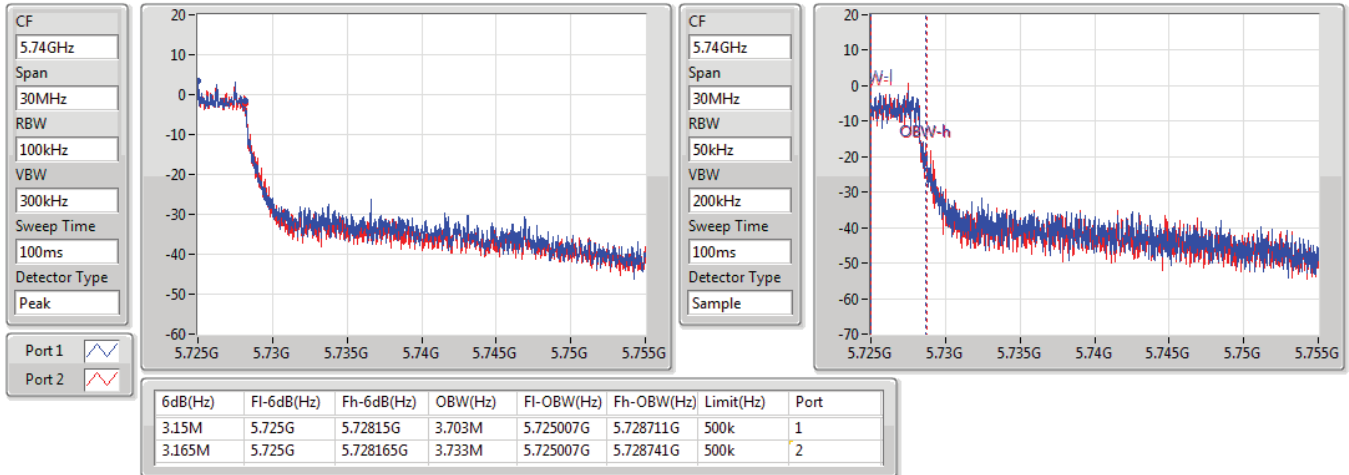

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

07/08/2020

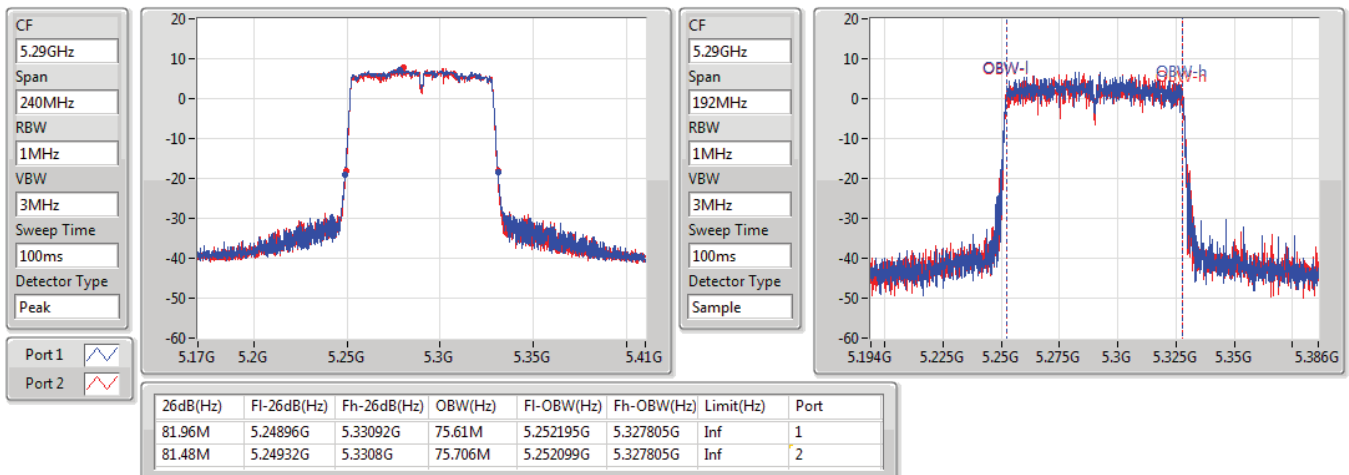


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

07/08/2020

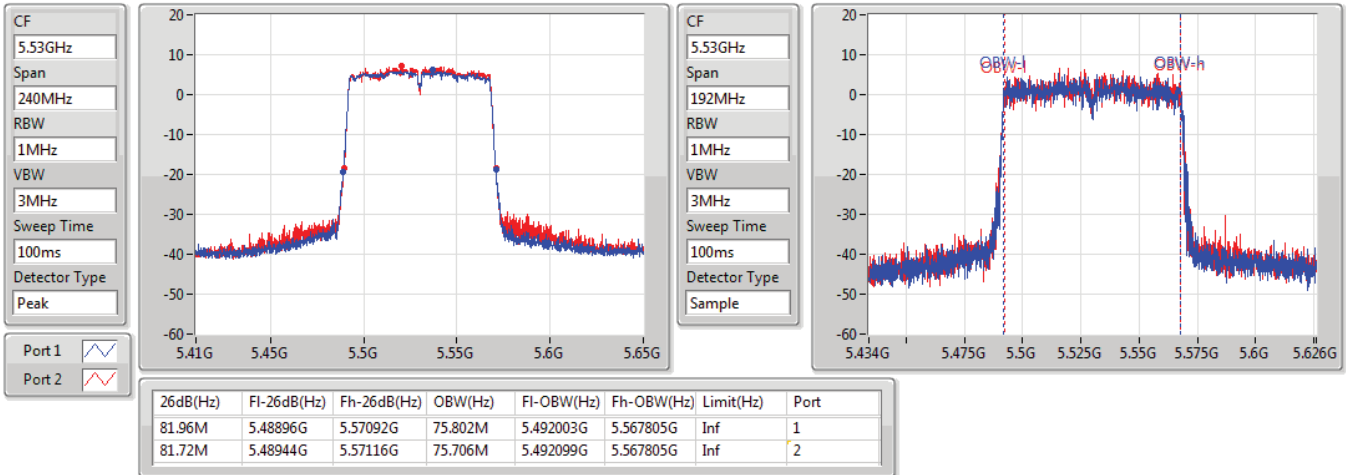

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5290MHz

14/08/2020

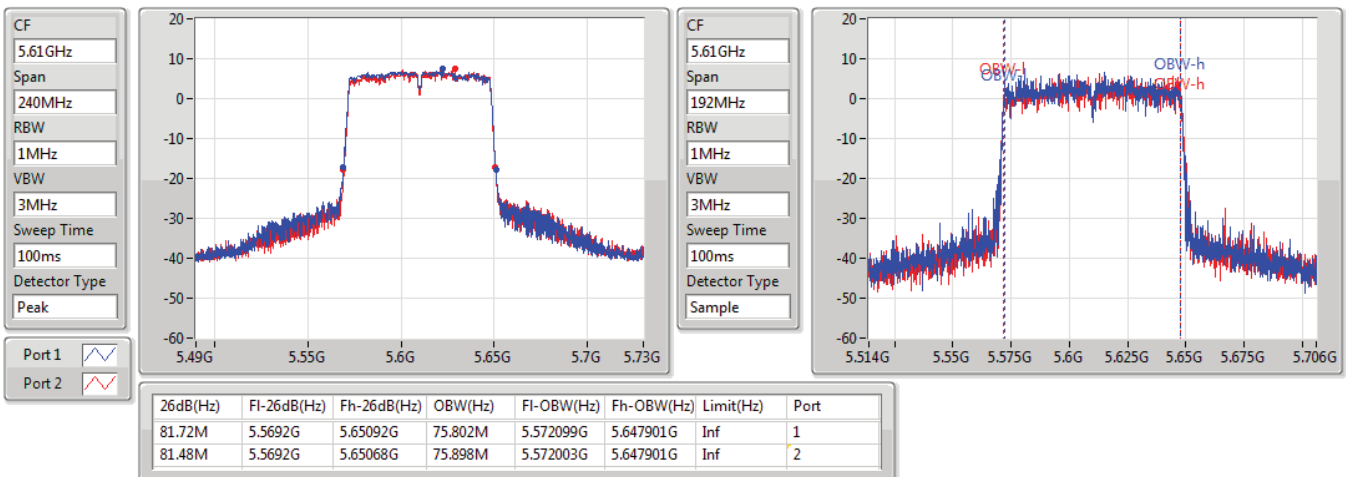


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5530MHz

14/08/2020

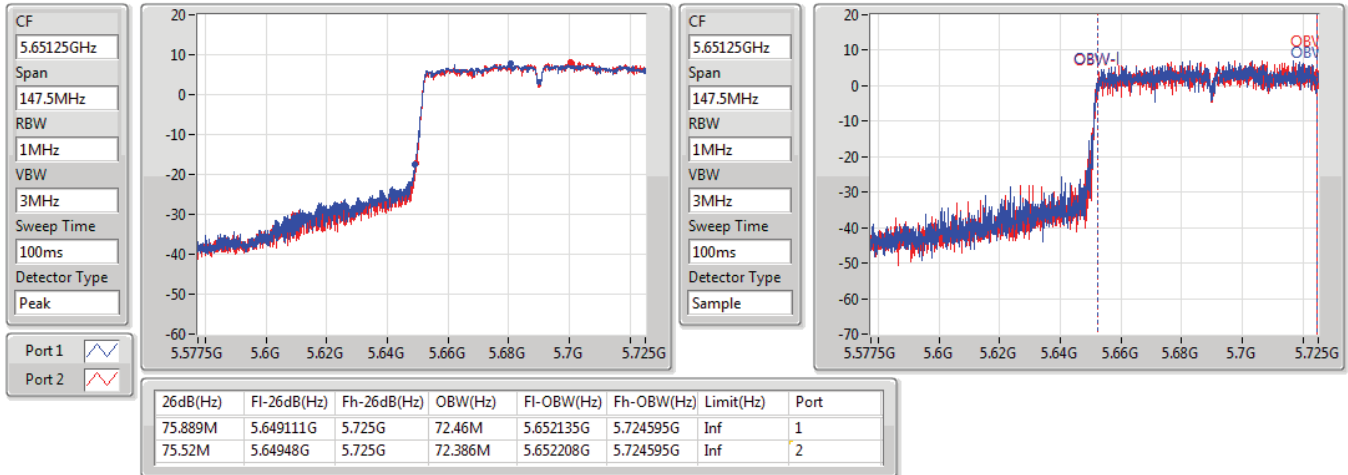

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5610MHz

07/08/2020

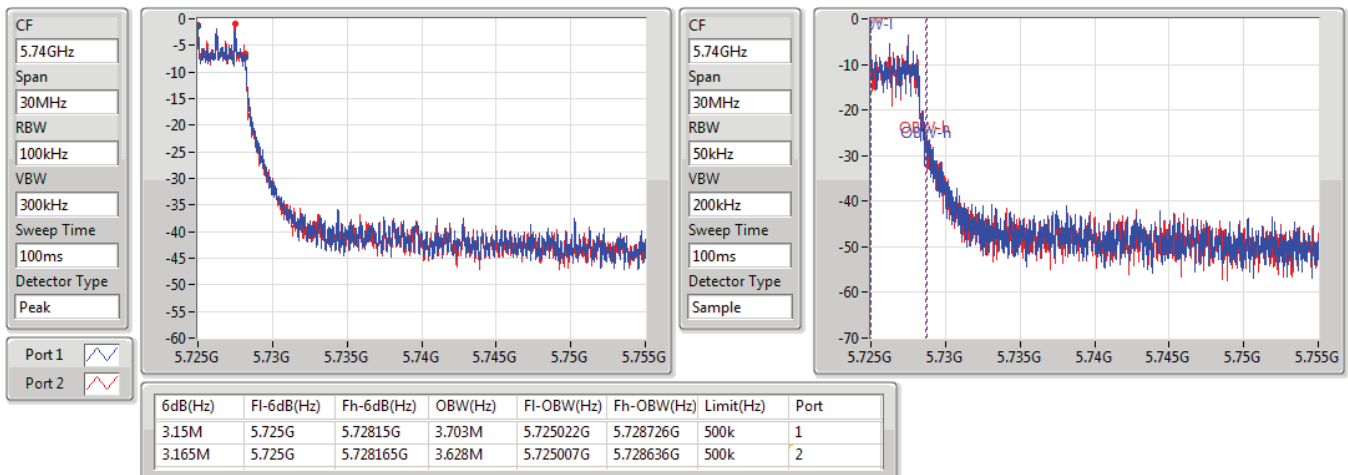


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

07/08/2020

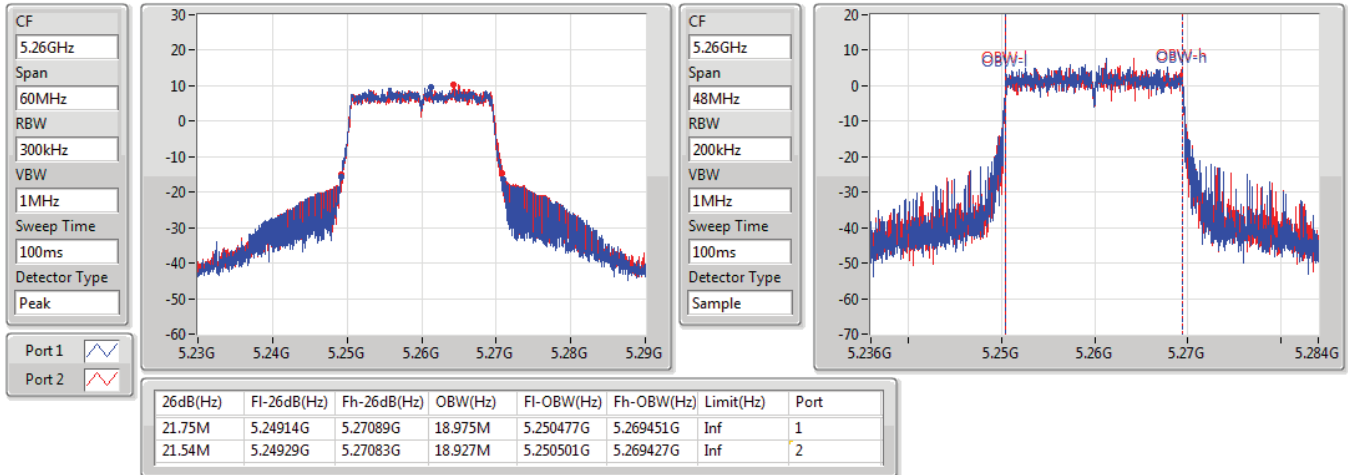

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

07/08/2020

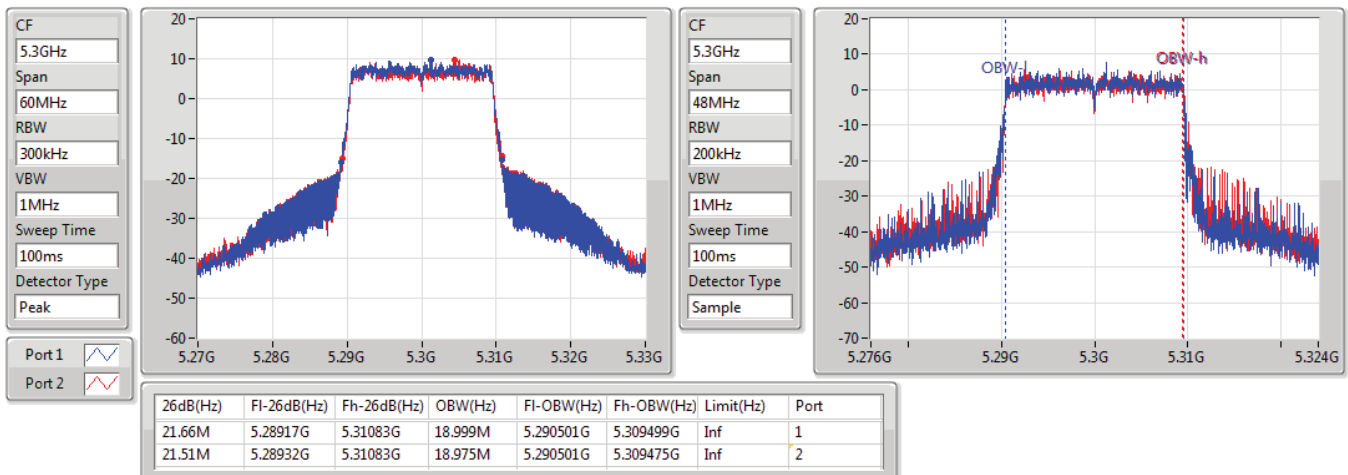


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5260MHz

06/08/2020

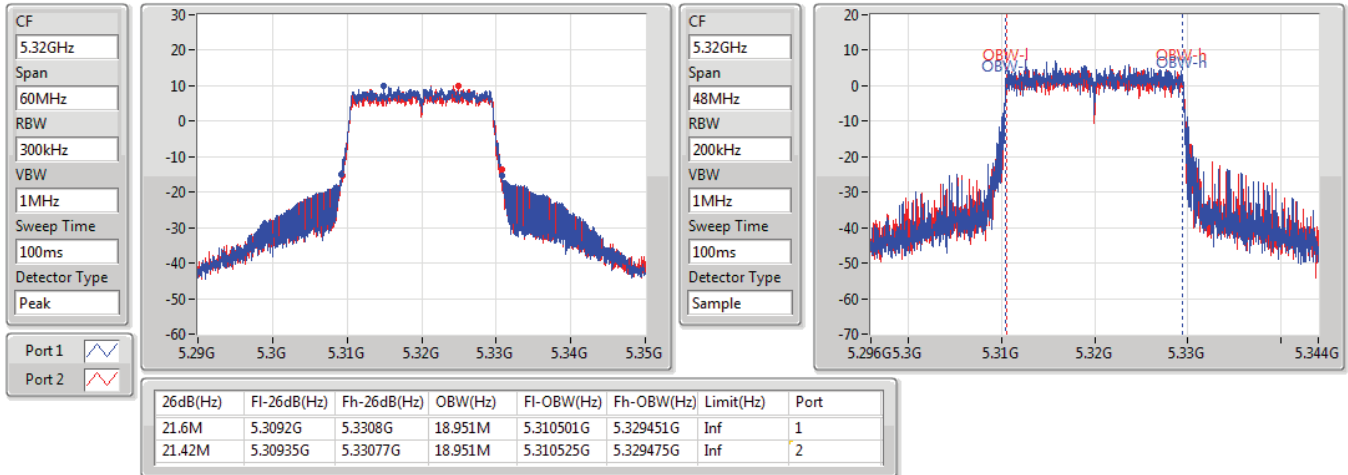

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5300MHz

06/08/2020

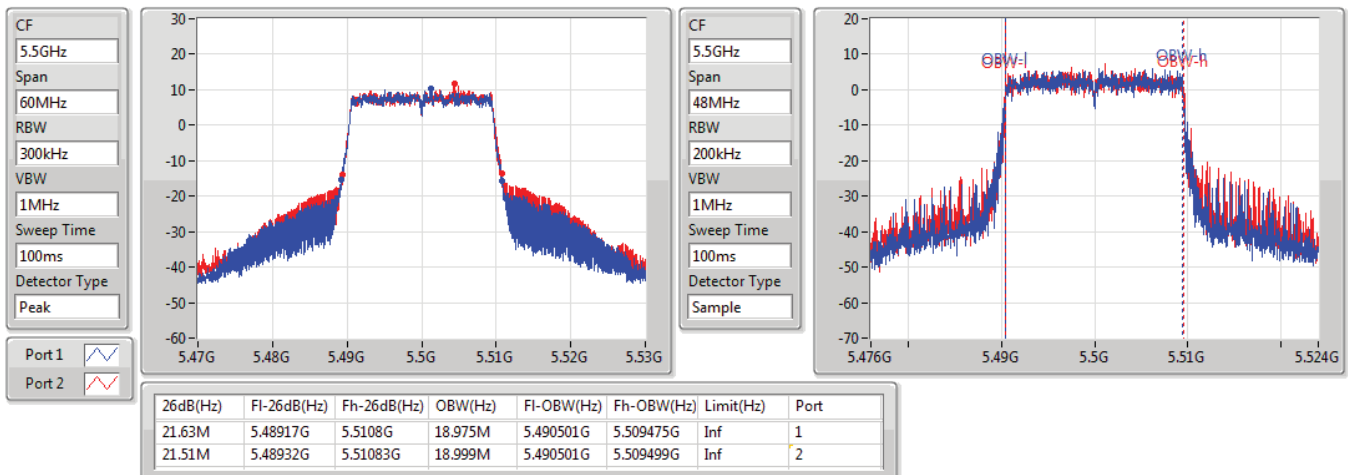


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5320MHz

06/08/2020

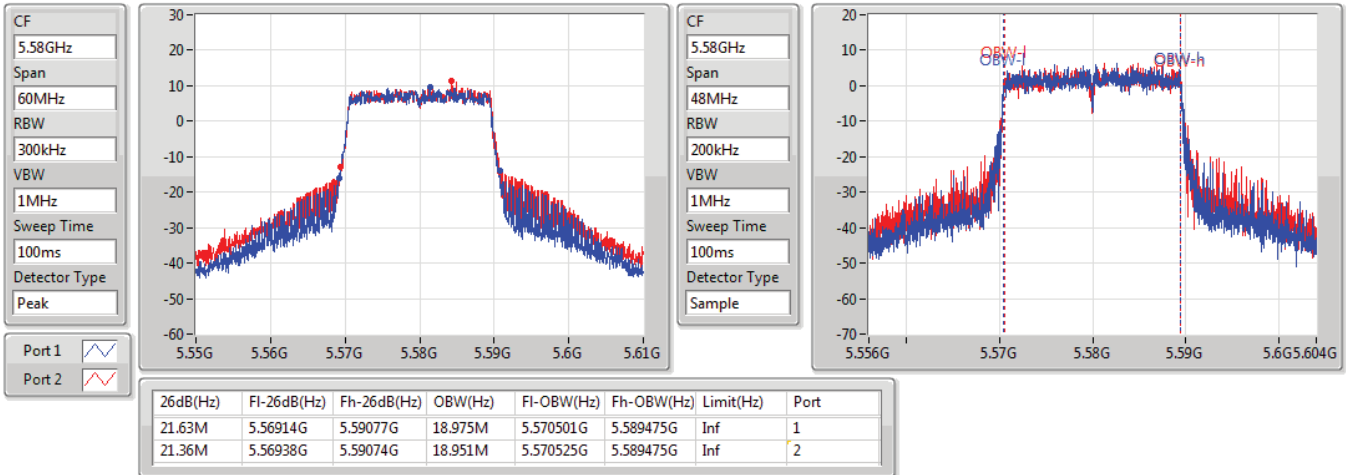

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5500MHz

14/08/2020

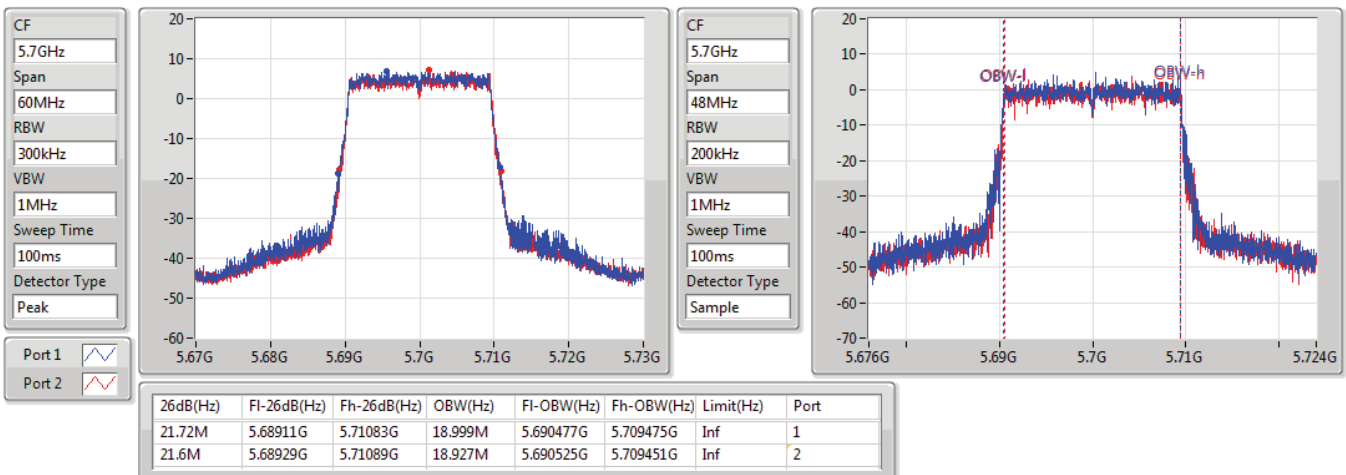


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5580MHz

07/08/2020

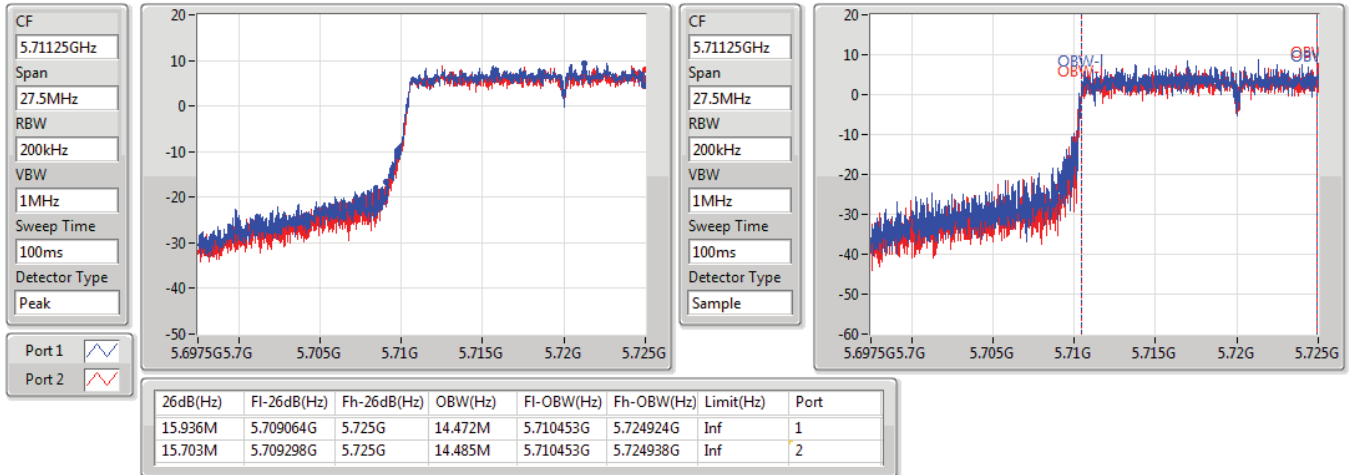

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5700MHz

14/08/2020

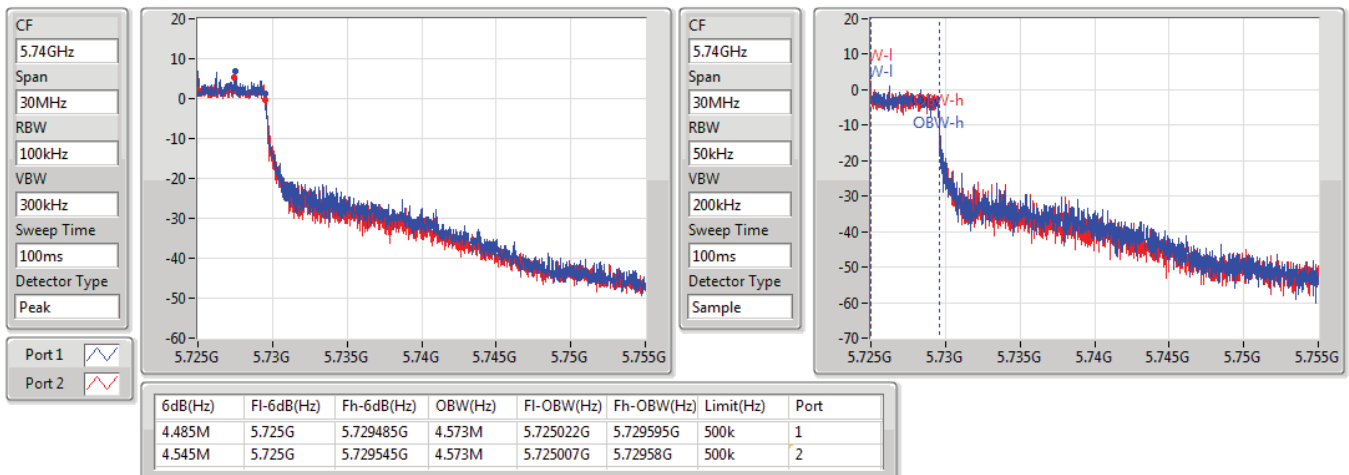


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

07/08/2020

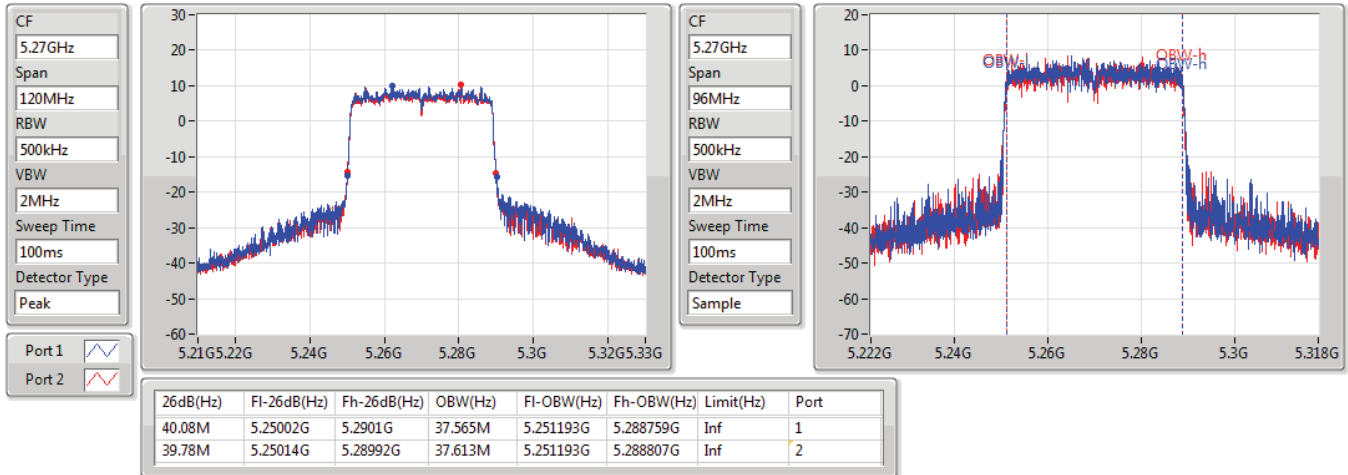

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

06/08/2020

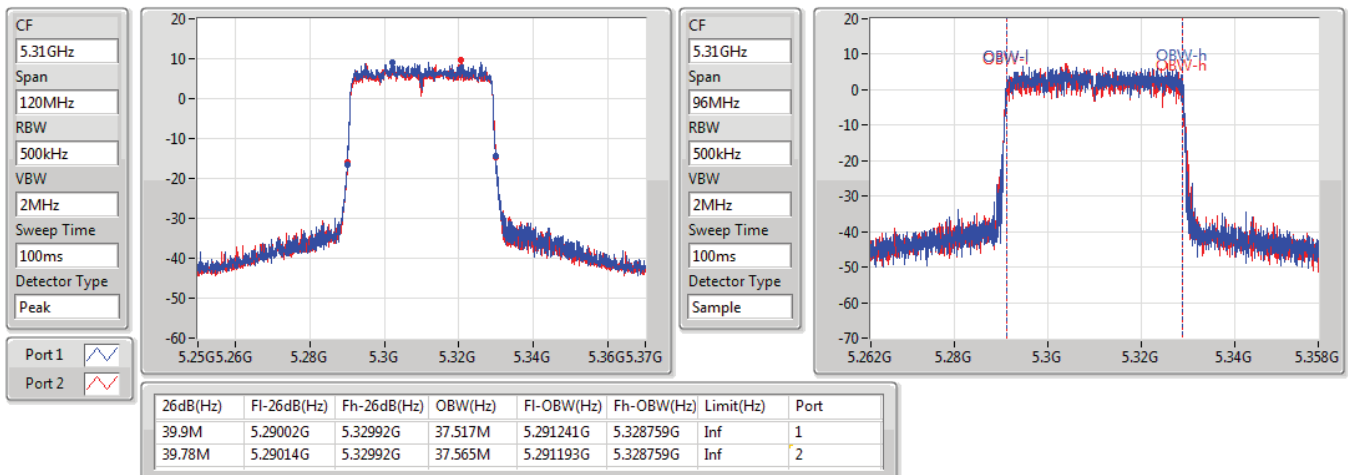


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5270MHz

07/08/2020

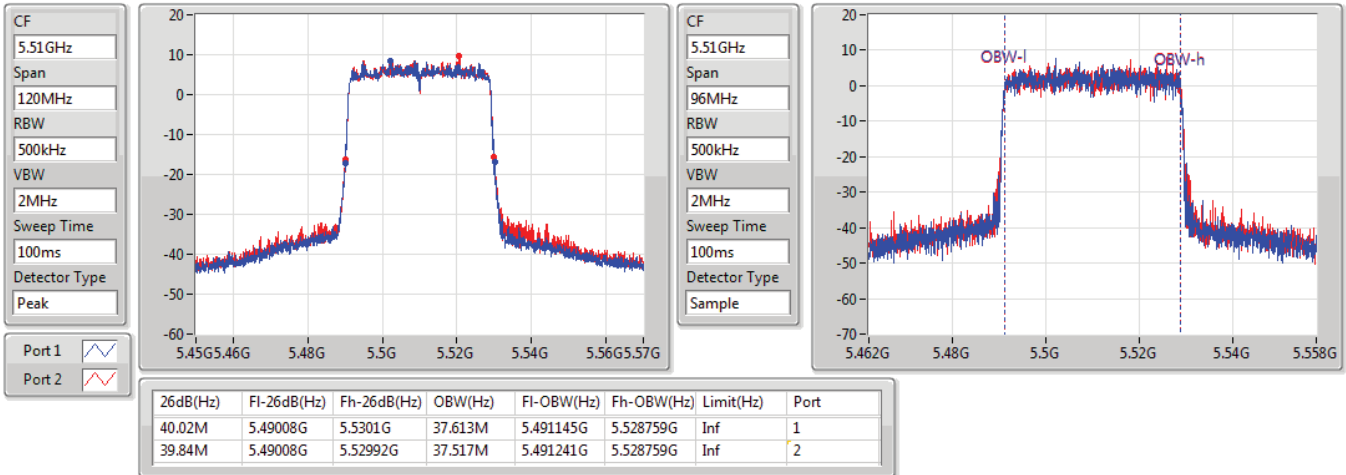

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5310MHz

14/08/2020

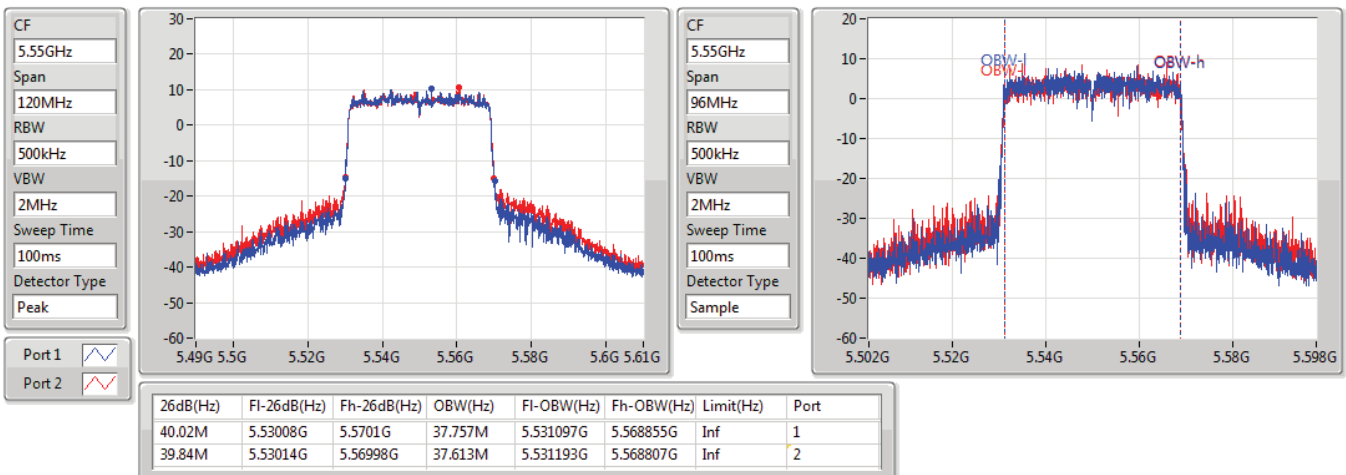


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5510MHz

14/08/2020

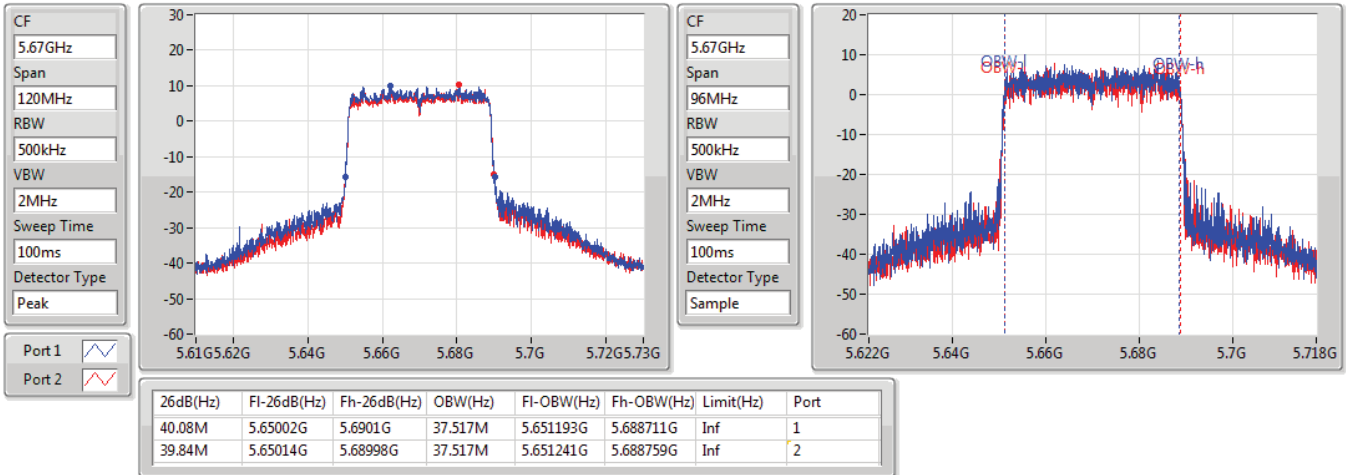

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5550MHz

07/08/2020

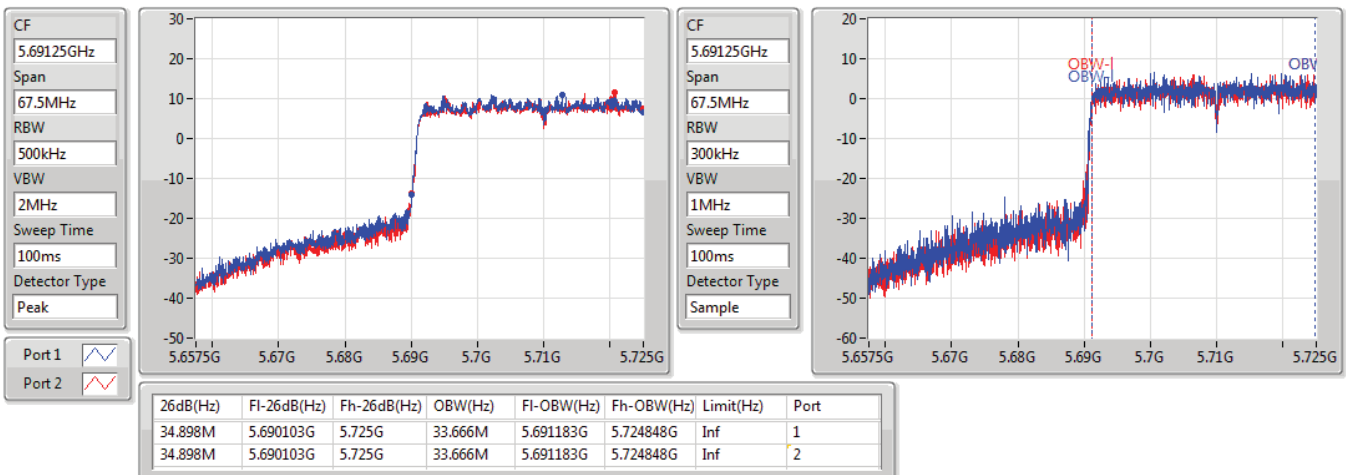


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5670MHz

07/08/2020

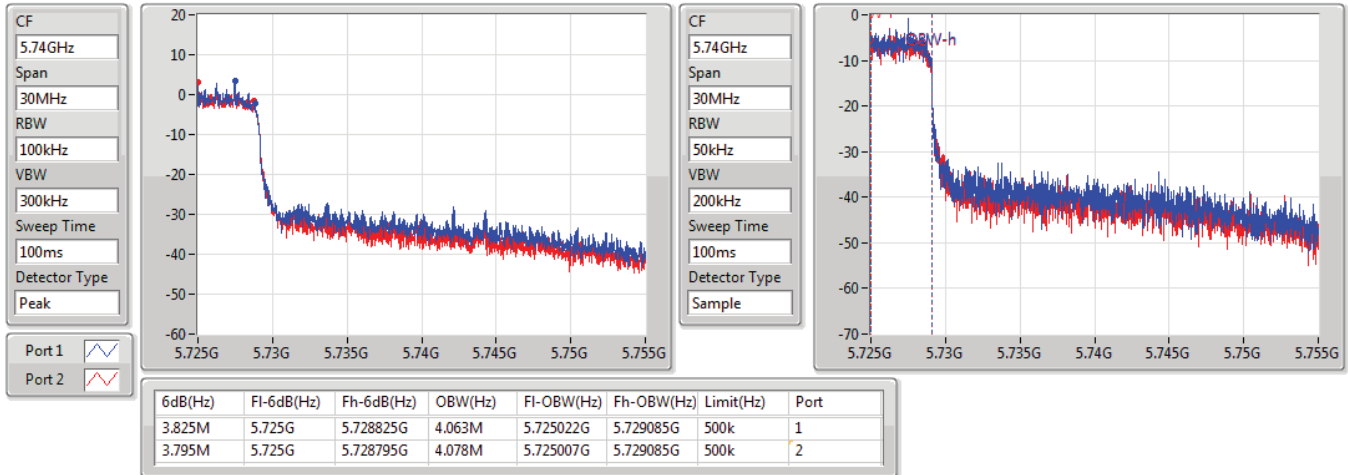

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

07/08/2020

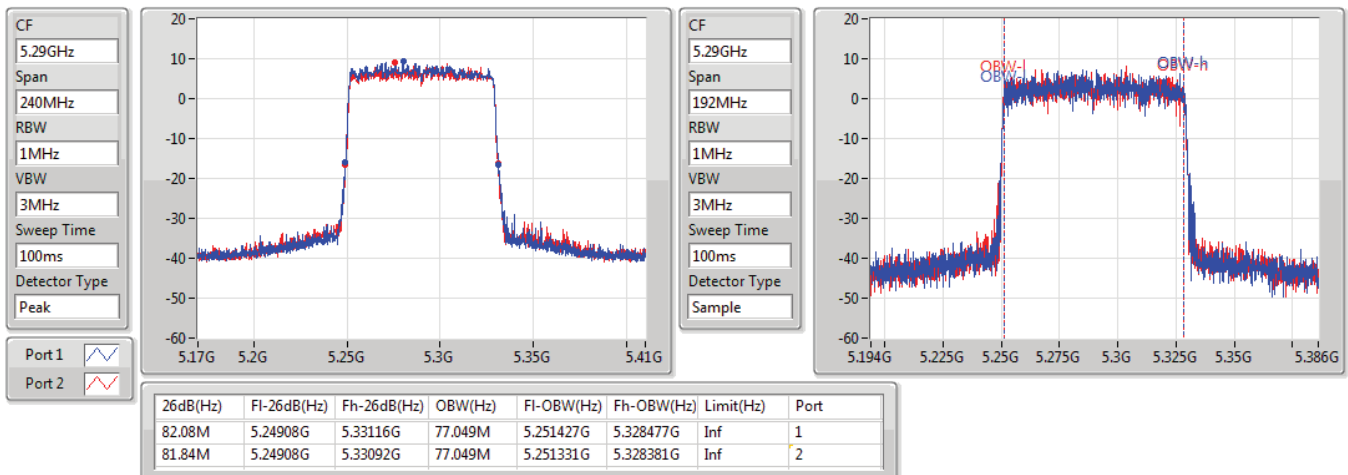


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

07/08/2020

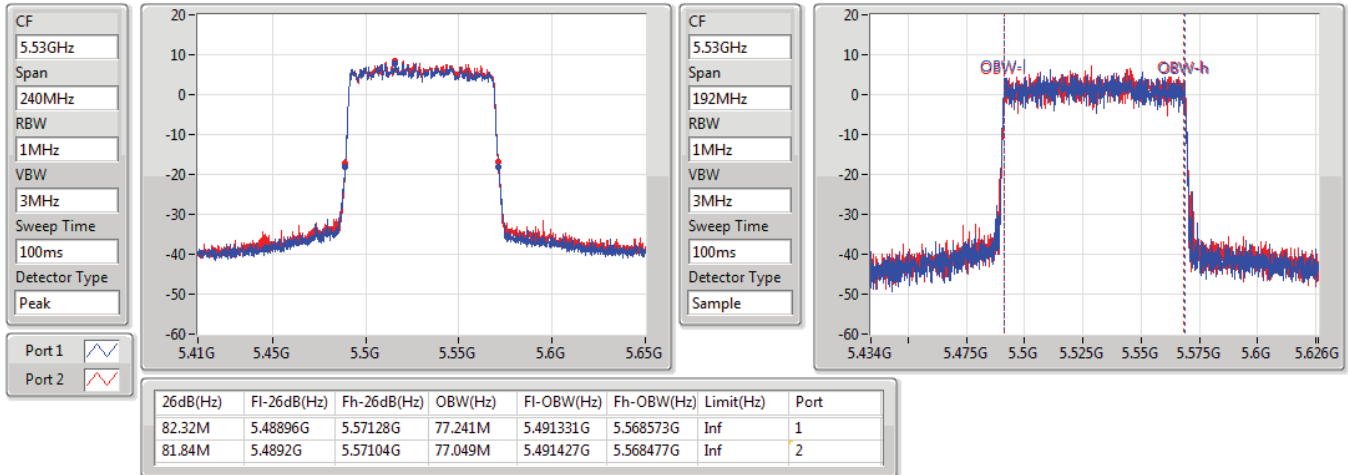

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5290MHz

14/08/2020

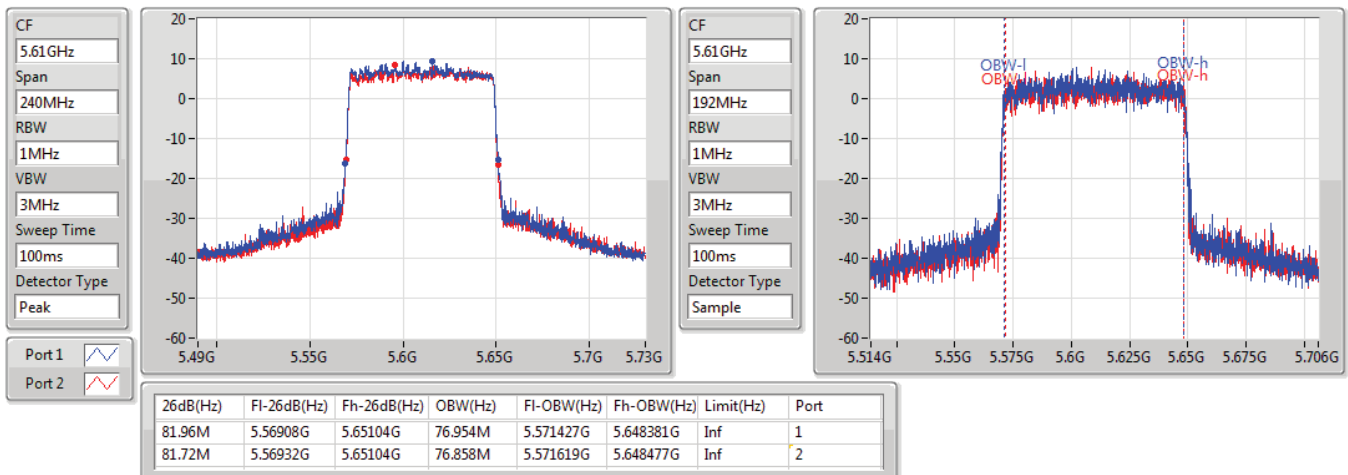


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5530MHz

14/08/2020

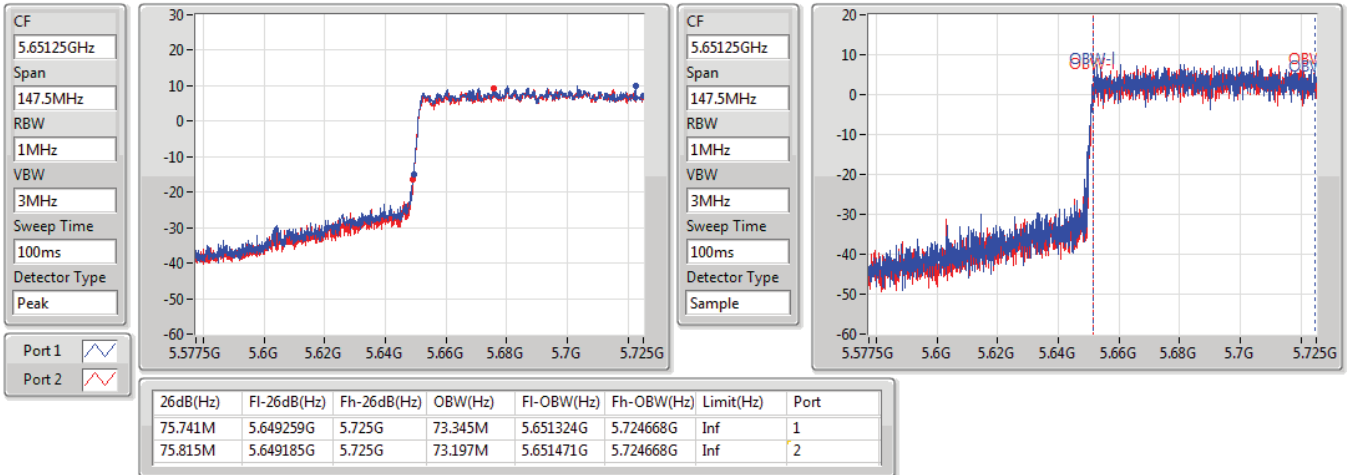

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5610MHz

07/08/2020

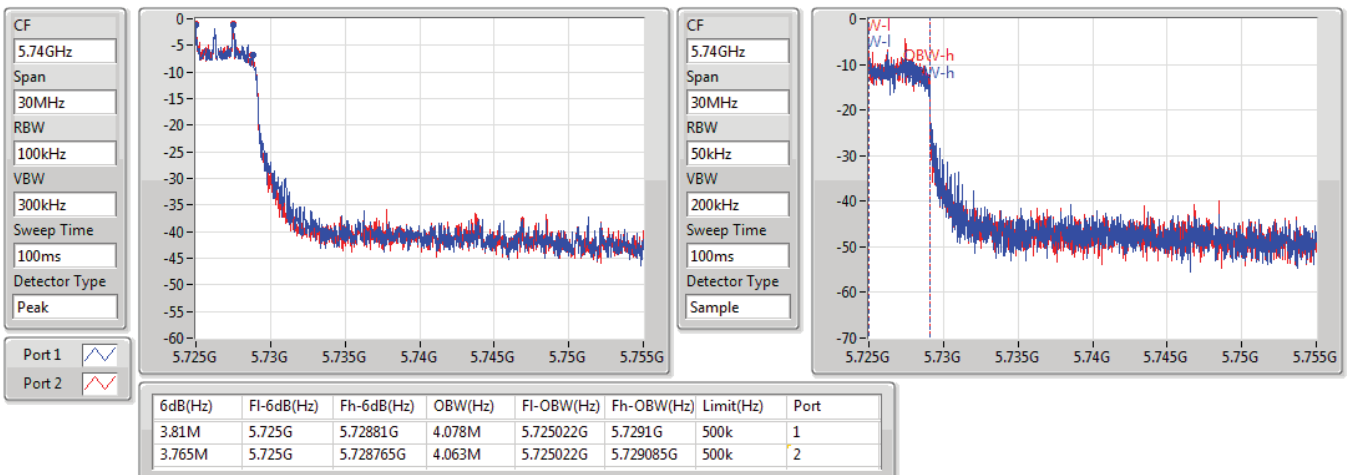


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

07/08/2020


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

07/08/2020



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	27.12M	16.624M	16M6D1D	22.2M	16.552M
802.11ac VHT20_Nss1,(MCS0)_2TX	23.94M	17.823M	17M8D1D	21.6M	17.727M
802.11ac VHT40_Nss1,(MCS0)_2TX	55.08M	36.318M	36M3D1D	40.02M	36.222M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.84M	75.802M	75M8D1D	81.48M	75.706M
802.11ax HEW20_Nss1,(MCS0)_2TX	25.62M	18.999M	19M0D1D	22.95M	18.975M
802.11ax HEW40_Nss1,(MCS0)_2TX	47.82M	37.661M	37M7D1D	39.84M	37.517M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.44M	77.145M	77M1D1D	81.48M	77.145M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	32.46M	16.648M	16M6D1D	16.046M	13.331M
802.11ac VHT20_Nss1,(MCS0)_2TX	22.83M	17.823M	17M8D1D	16.94M	13.922M
802.11ac VHT40_Nss1,(MCS0)_2TX	62.76M	36.414M	36M4D1D	36.619M	33.025M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.88M	75.802M	75M8D1D	75.741M	72.46M
802.11ax HEW20_Nss1,(MCS0)_2TX	25.83M	19.022M	19M0D1D	15.868M	14.513M
802.11ax HEW40_Nss1,(MCS0)_2TX	46.74M	37.709M	37M7D1D	35.404M	33.632M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.44M	77.241M	77M2D1D	75.889M	73.05M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.165M	4.723M	4M72D1D	3.15M	4.453M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.795M	4.888M	4M89D1D	3.75M	4.648M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.15M	10.54M	10M5D1D	3.15M	4.468M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.135M	4.948M	4M95D1D	3.135M	4.423M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.485M	6.057M	6M06D1D	4.455M	4.858M
802.11ax HEW40_Nss1,(MCS0)_2TX	3.78M	10.36M	10M4D1D	3.69M	4.588M
802.11ax HEW80_Nss1,(MCS0)_2TX	3.78M	4.828M	4M83D1D	3.705M	4.198M

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	27.12M	16.624M	26.58M	16.624M
5300MHz	Pass	Inf	26.88M	16.624M	26.64M	16.624M
5320MHz	Pass	Inf	22.2M	16.6M	23.28M	16.552M
5500MHz	Pass	Inf	21.51M	16.528M	22.05M	16.576M
5580MHz	Pass	Inf	27.06M	16.648M	32.46M	16.624M
5700MHz	Pass	Inf	21.48M	16.576M	21.9M	16.576M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	19.126M	13.358M	16.046M	13.331M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.165M	4.723M	3.15M	4.453M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	23.46M	17.799M	22.17M	17.751M
5300MHz	Pass	Inf	23.94M	17.823M	22.29M	17.799M
5320MHz	Pass	Inf	21.84M	17.727M	21.6M	17.799M
5500MHz	Pass	Inf	21.81M	17.751M	21.54M	17.751M
5580MHz	Pass	Inf	22.83M	17.823M	22.26M	17.775M
5700MHz	Pass	Inf	21.78M	17.799M	21.57M	17.775M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	18.989M	13.922M	16.94M	13.922M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.75M	4.888M	3.795M	4.648M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	55.08M	36.318M	44.22M	36.318M
5310MHz	Pass	Inf	40.08M	36.222M	40.02M	36.222M
5510MHz	Pass	Inf	40.26M	36.27M	39.96M	36.222M
5550MHz	Pass	Inf	57.24M	36.27M	48.3M	36.318M
5670MHz	Pass	Inf	62.76M	36.366M	41.7M	36.414M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	46.001M	33.025M	36.619M	33.025M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	10.54M	3.15M	4.468M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.84M	75.706M	81.48M	75.802M
5530MHz	Pass	Inf	81.72M	75.61M	81.36M	75.802M
5610MHz	Pass	Inf	83.88M	75.706M	81.6M	75.706M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.11M	72.534M	75.741M	72.46M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	4.948M	3.135M	4.423M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	25.62M	18.999M	24.63M	18.999M
5300MHz	Pass	Inf	25.38M	18.999M	24.51M	18.975M
5320MHz	Pass	Inf	24.81M	18.975M	22.95M	18.975M
5500MHz	Pass	Inf	21.57M	18.999M	21.57M	18.951M
5580MHz	Pass	Inf	25.83M	19.022M	23.19M	18.999M
5700MHz	Pass	Inf	21.96M	18.975M	21.57M	18.951M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	21.381M	14.54M	15.868M	14.513M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.455M	6.057M	4.485M	4.858M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	47.82M	37.613M	40.38M	37.661M
5310MHz	Pass	Inf	40.08M	37.613M	39.84M	37.517M



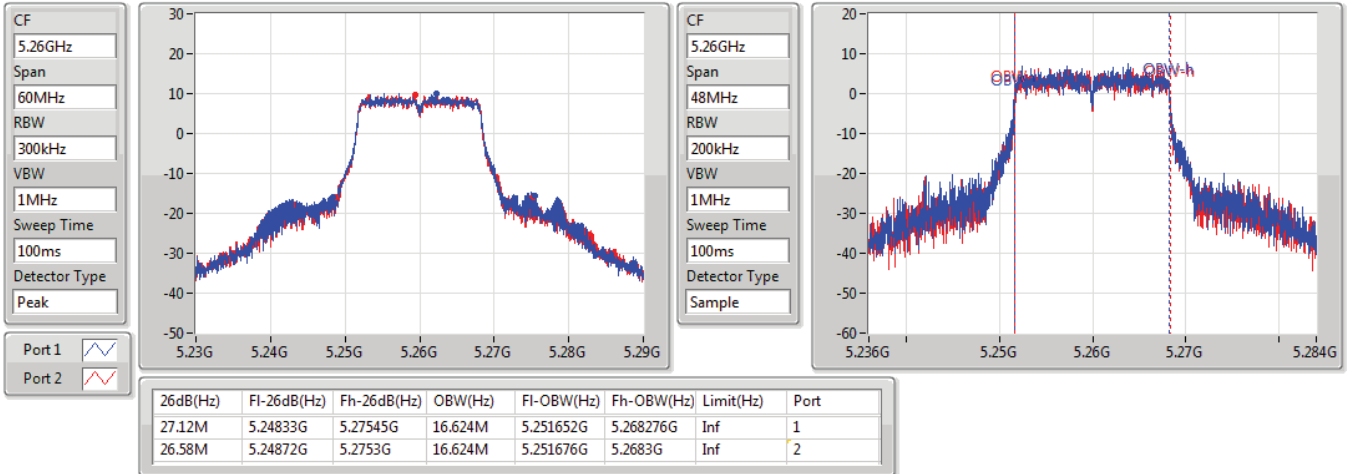
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5510MHz	Pass	Inf	40.2M	37.565M	40.02M	37.709M
5550MHz	Pass	Inf	42.36M	37.613M	42.36M	37.613M
5670MHz	Pass	Inf	46.74M	37.565M	39.9M	37.565M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.978M	33.699M	35.404M	33.632M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.69M	10.36M	3.78M	4.588M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.44M	77.145M	81.48M	77.145M
5530MHz	Pass	Inf	81.96M	76.954M	81.6M	77.049M
5610MHz	Pass	Inf	82.44M	77.241M	81.48M	77.049M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.184M	73.271M	75.889M	73.05M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.828M	3.705M	4.198M

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

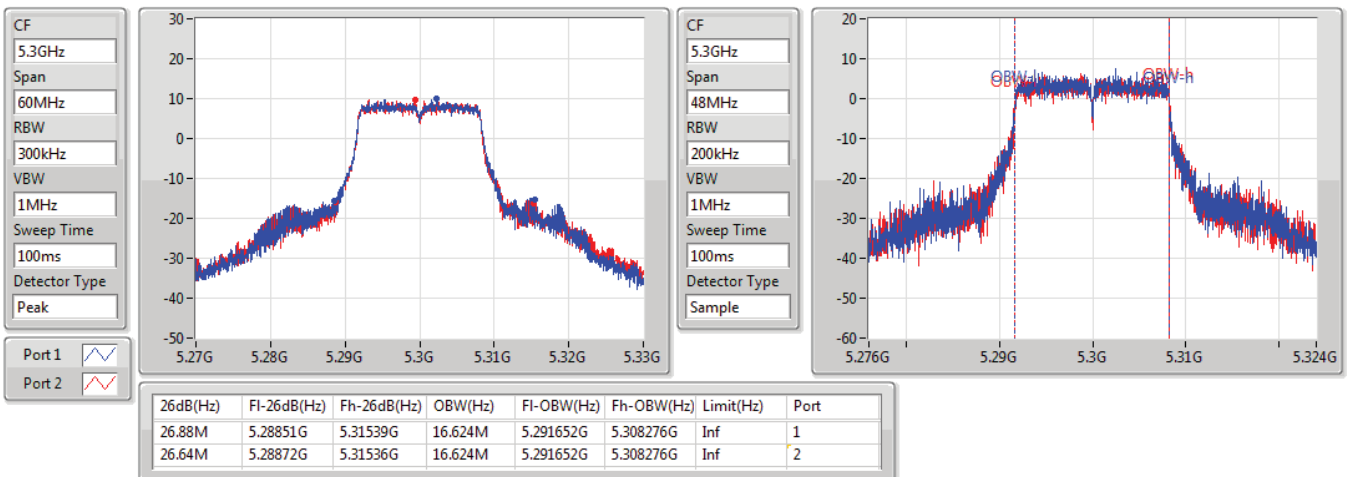
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

06/08/2020

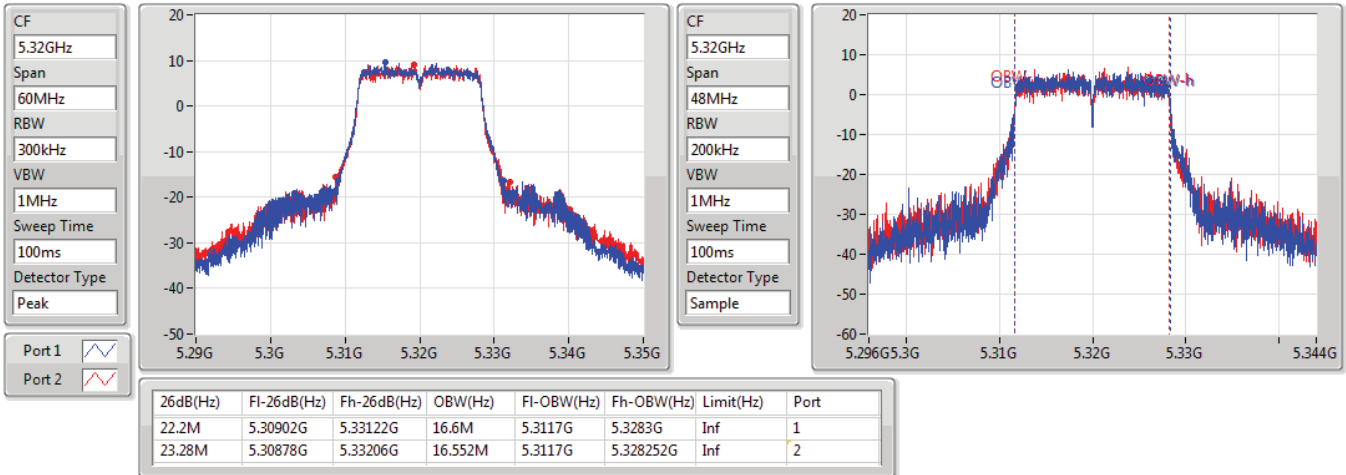

802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

06/08/2020

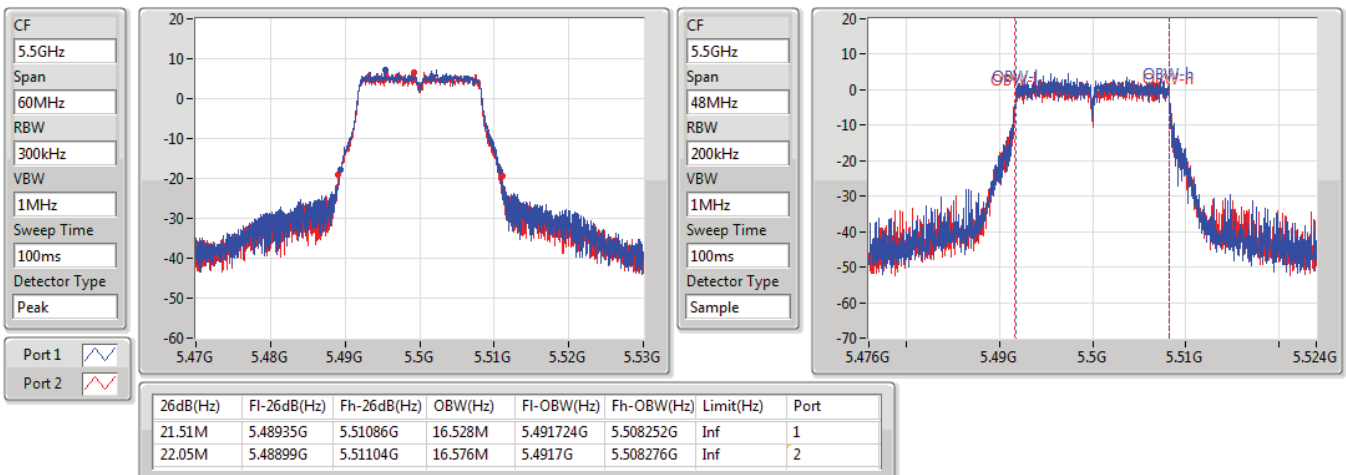


802.11a_Nss1,(6Mbps)_2TX
EBW
5320MHz

14/08/2020

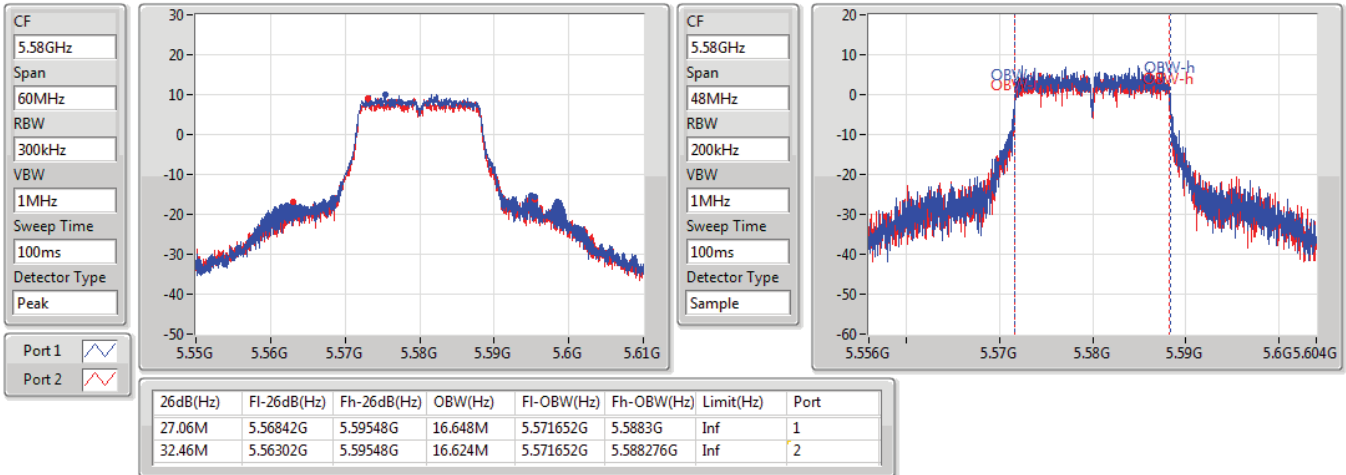

802.11a_Nss1,(6Mbps)_2TX
EBW
5500MHz

14/08/2020

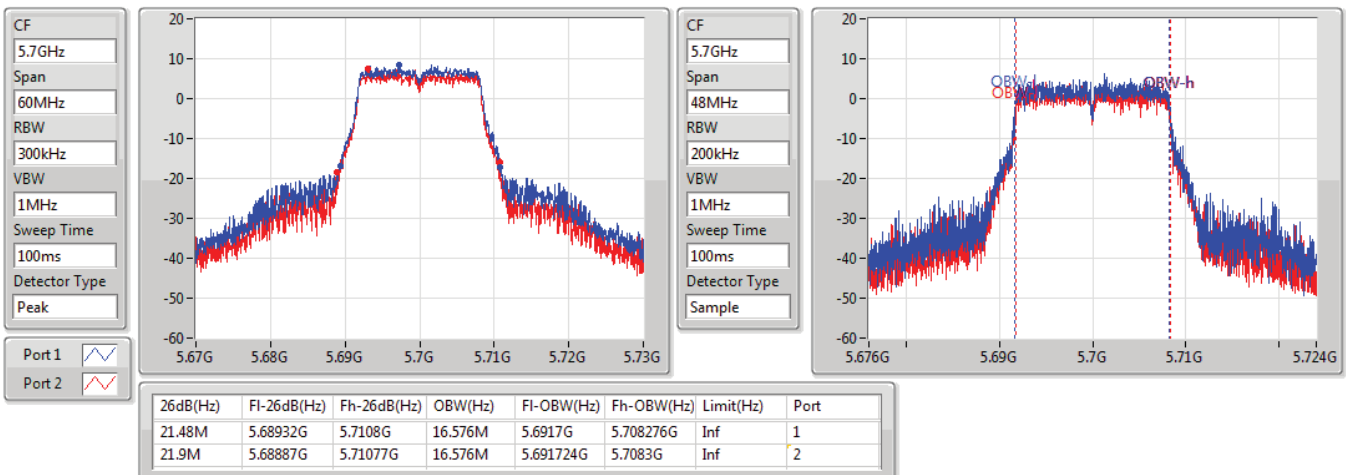


802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

06/08/2020

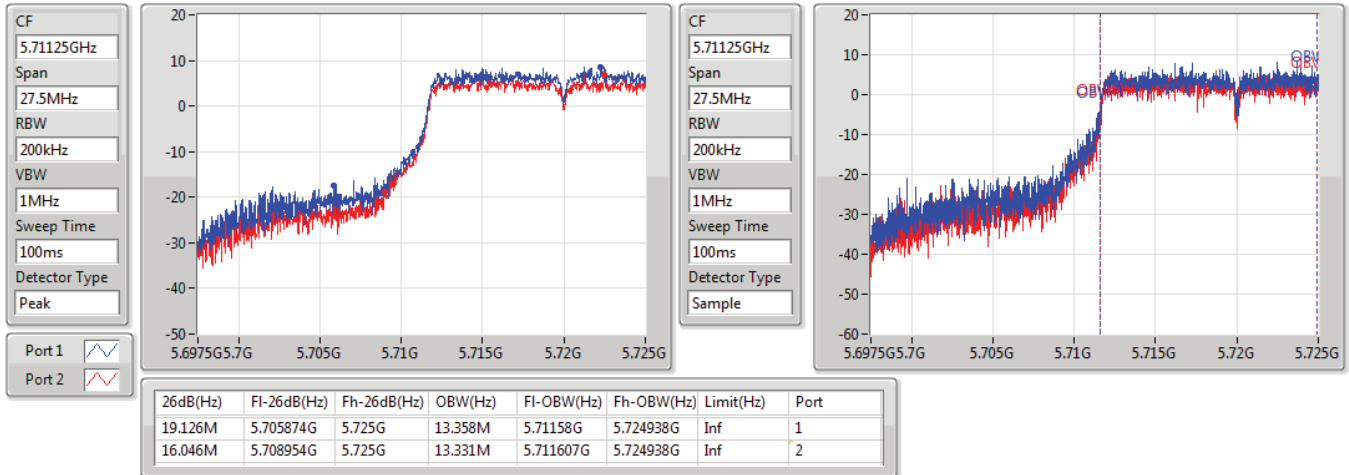

802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

14/08/2020

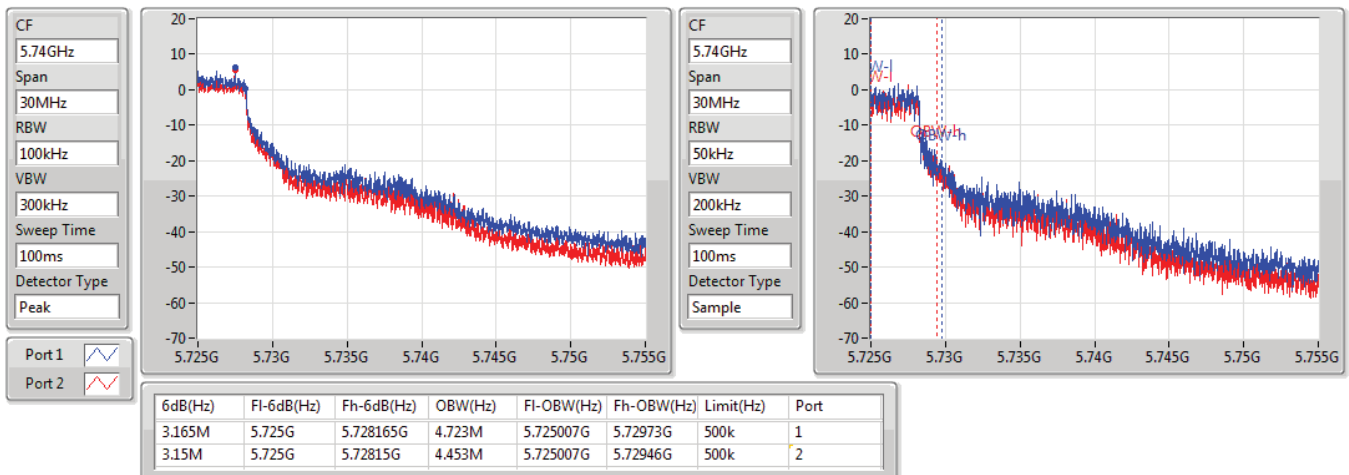


802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

06/08/2020

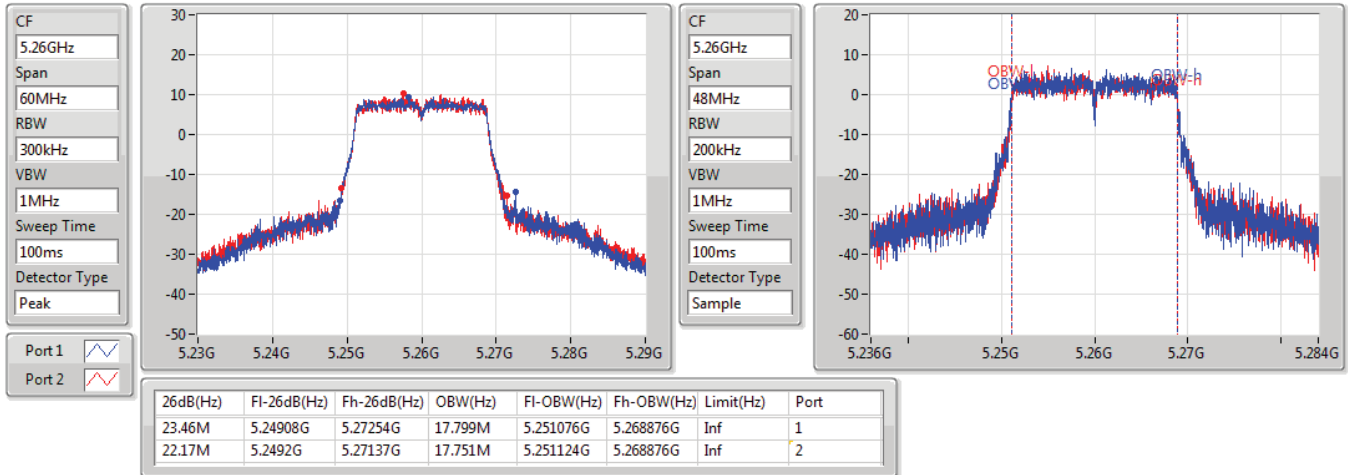

802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

06/08/2020

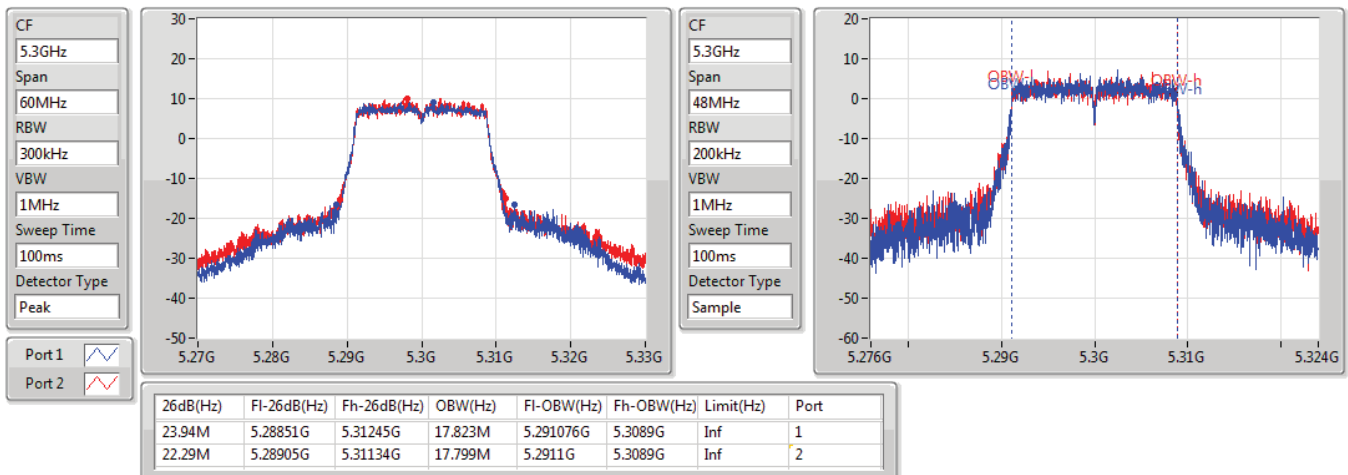


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5260MHz

06/08/2020

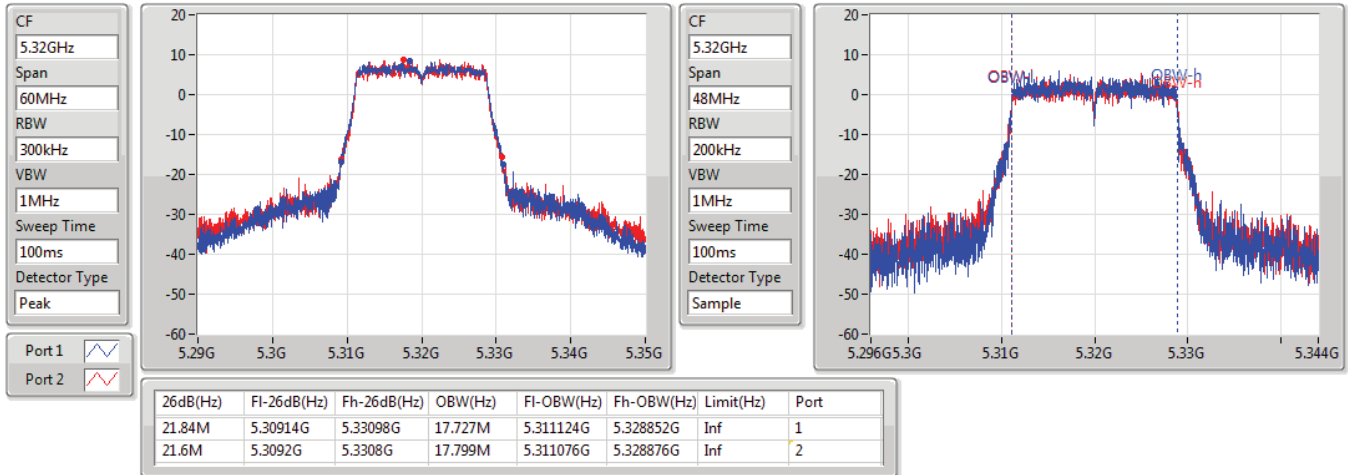

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

06/08/2020

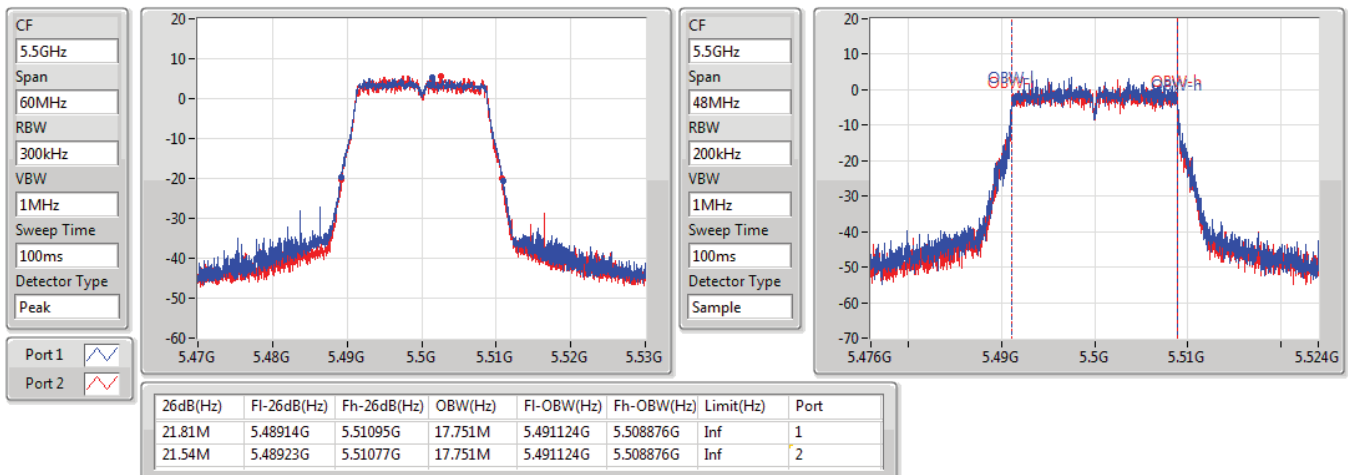


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5320MHz

14/08/2020

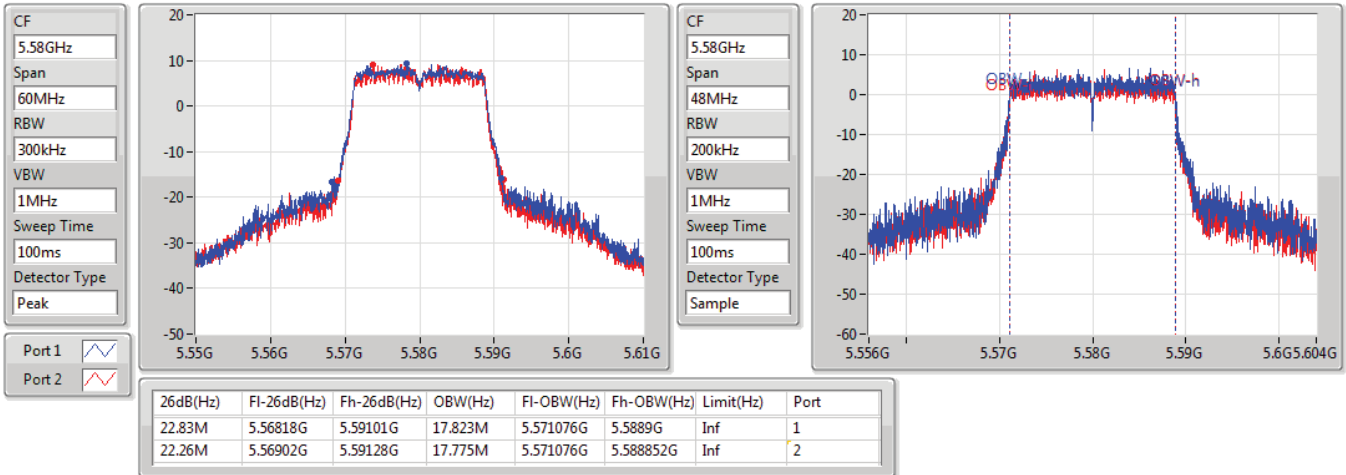

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

14/08/2020

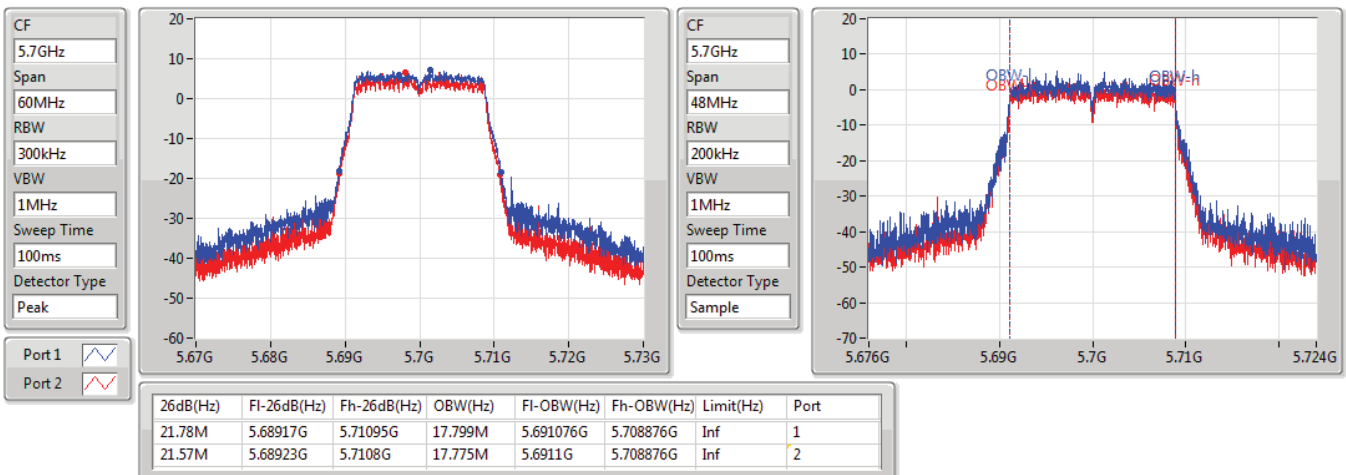


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5580MHz

06/08/2020

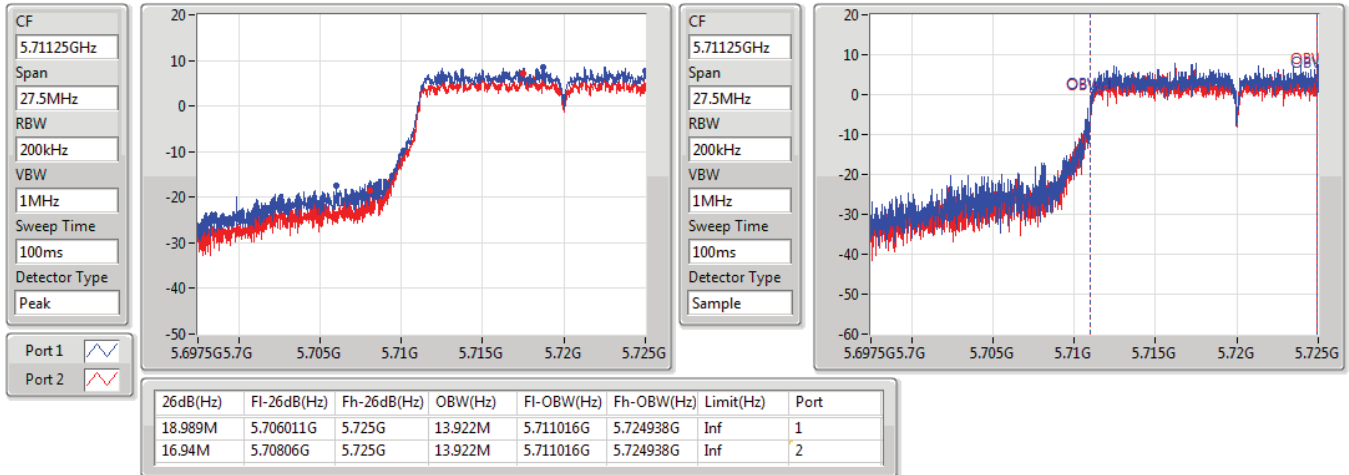

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5700MHz

14/08/2020

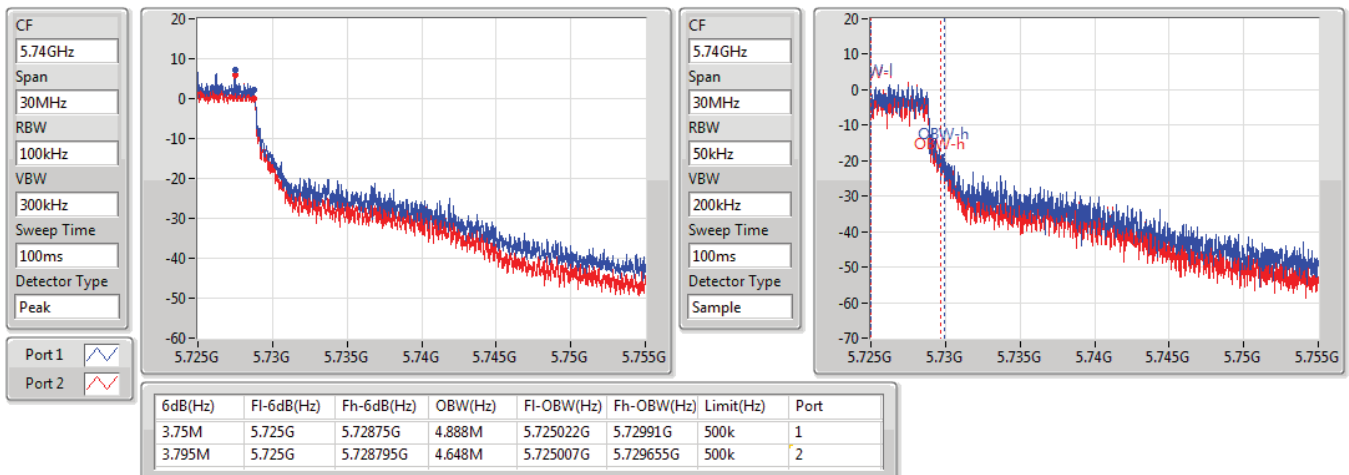


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

06/08/2020

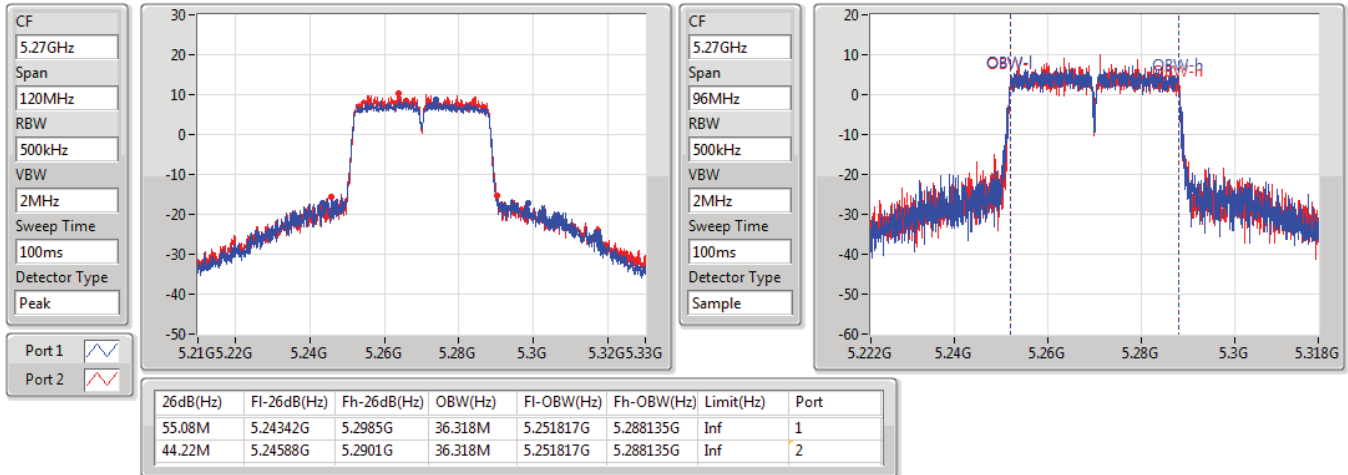

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

06/08/2020

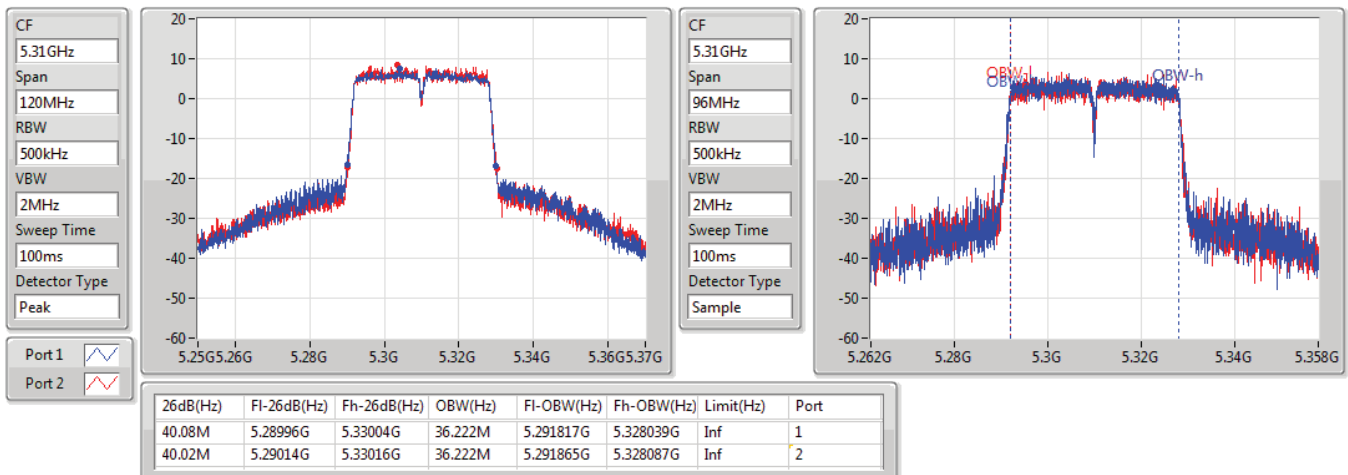


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5270MHz

06/08/2020

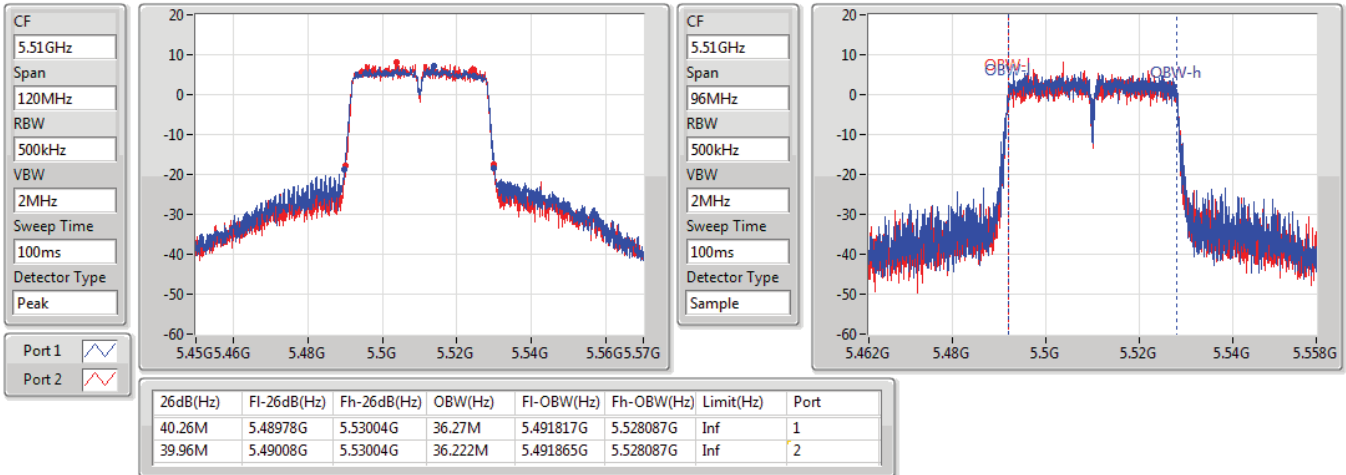

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5310MHz

14/08/2020

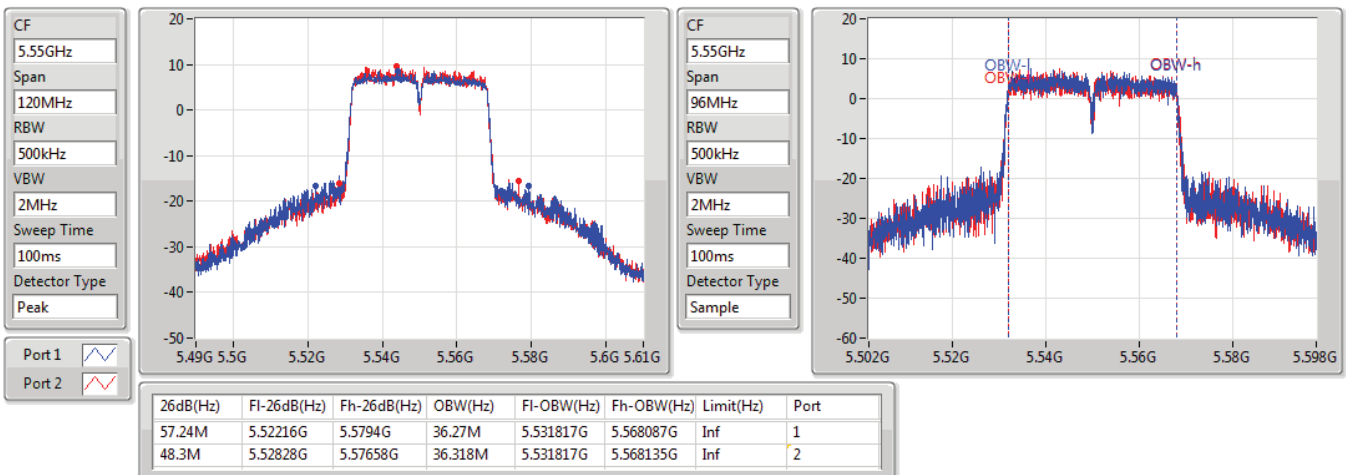


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5510MHz

14/08/2020

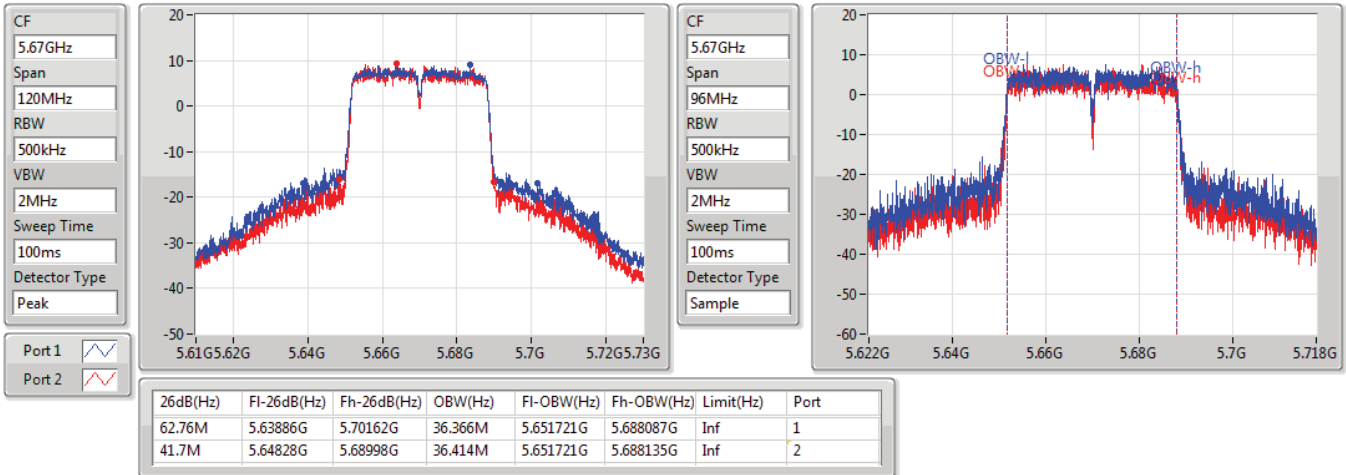

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5550MHz

06/08/2020

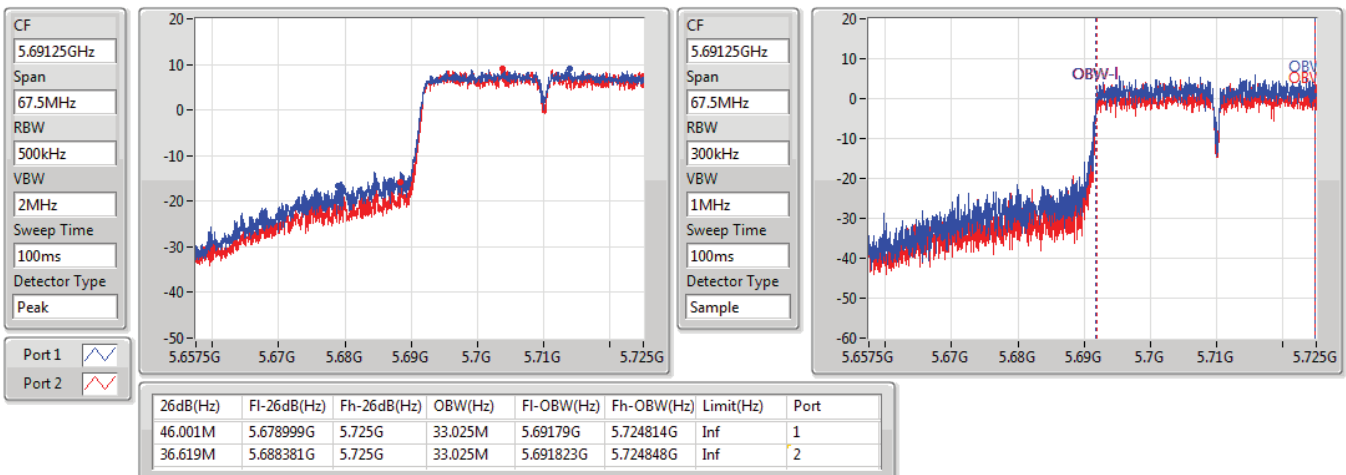


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5670MHz

06/08/2020

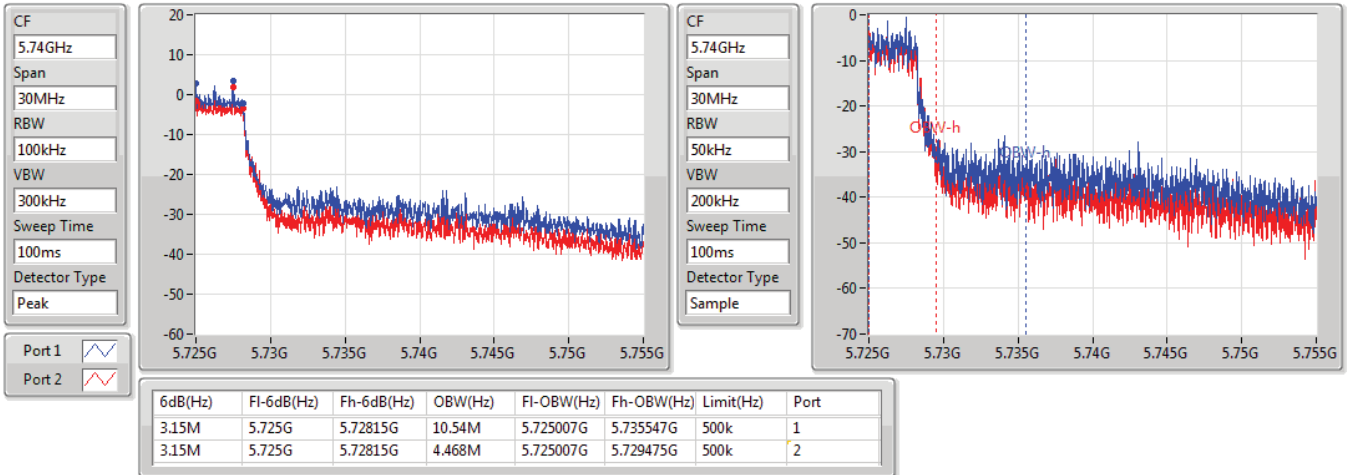

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

06/08/2020

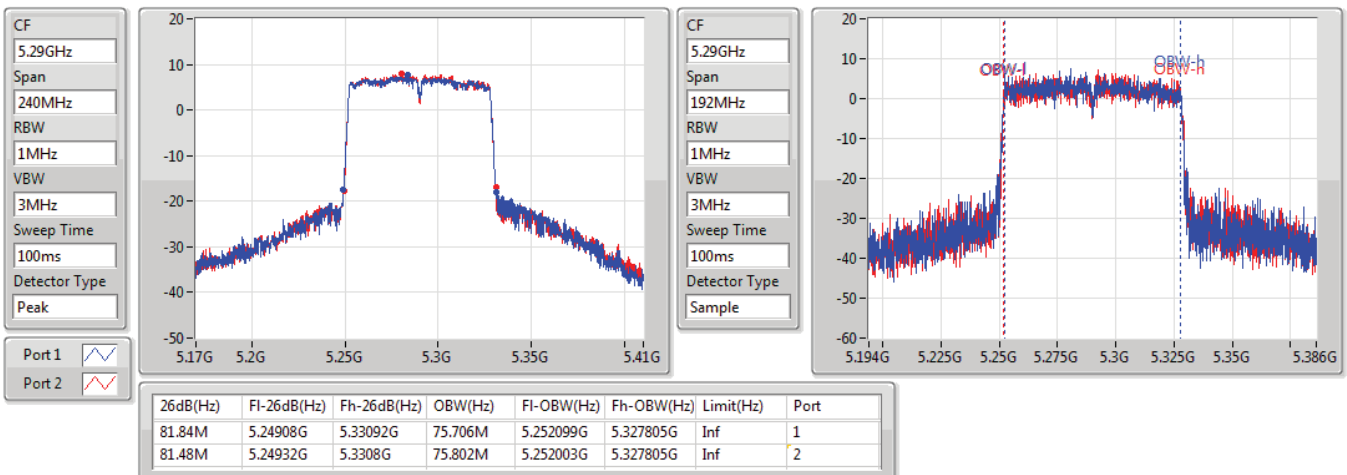


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

06/08/2020

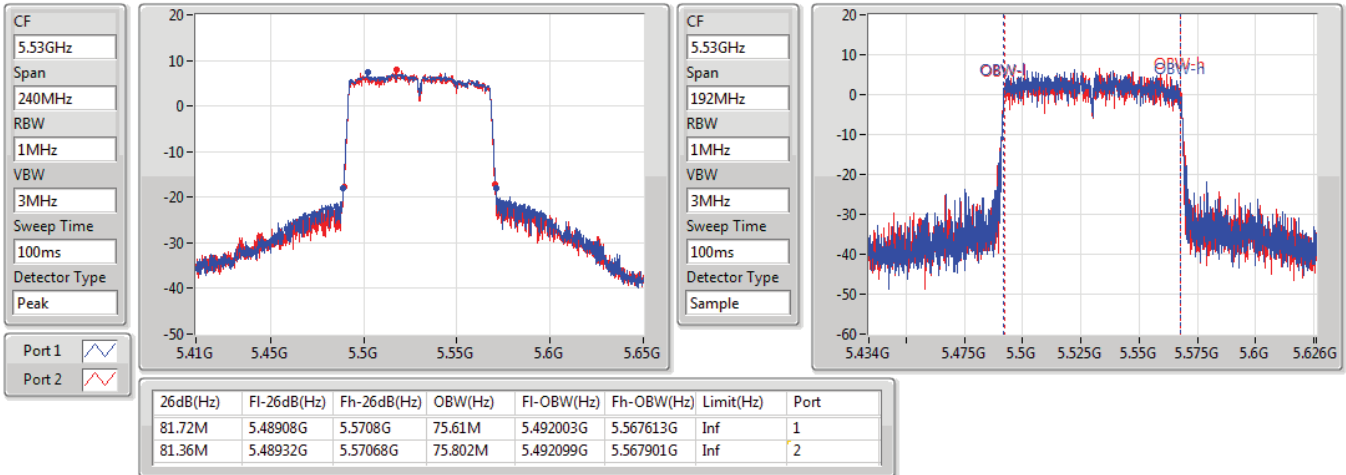

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5290MHz

14/08/2020

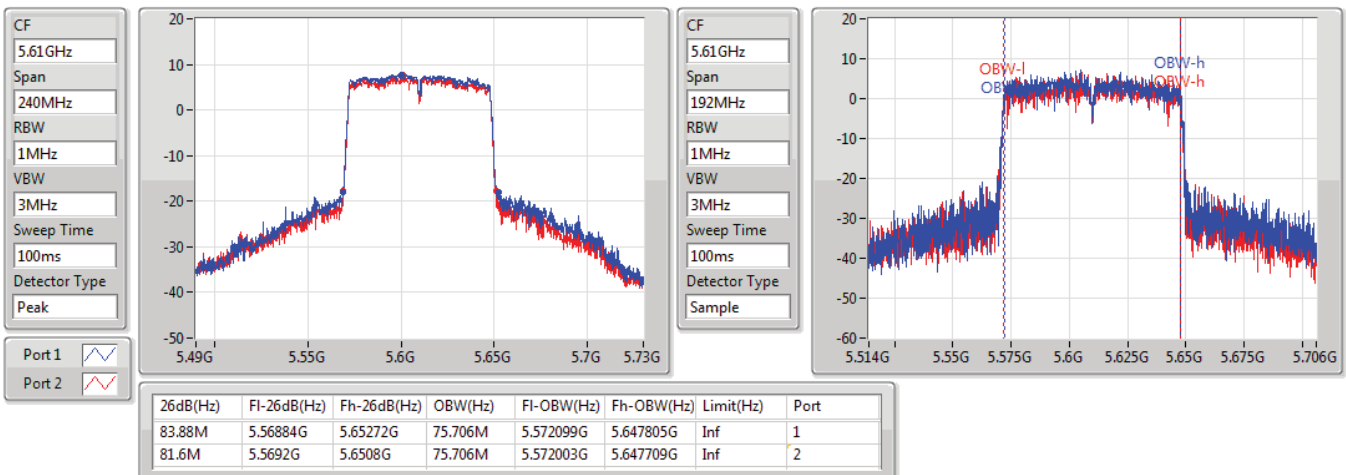


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5530MHz

14/08/2020

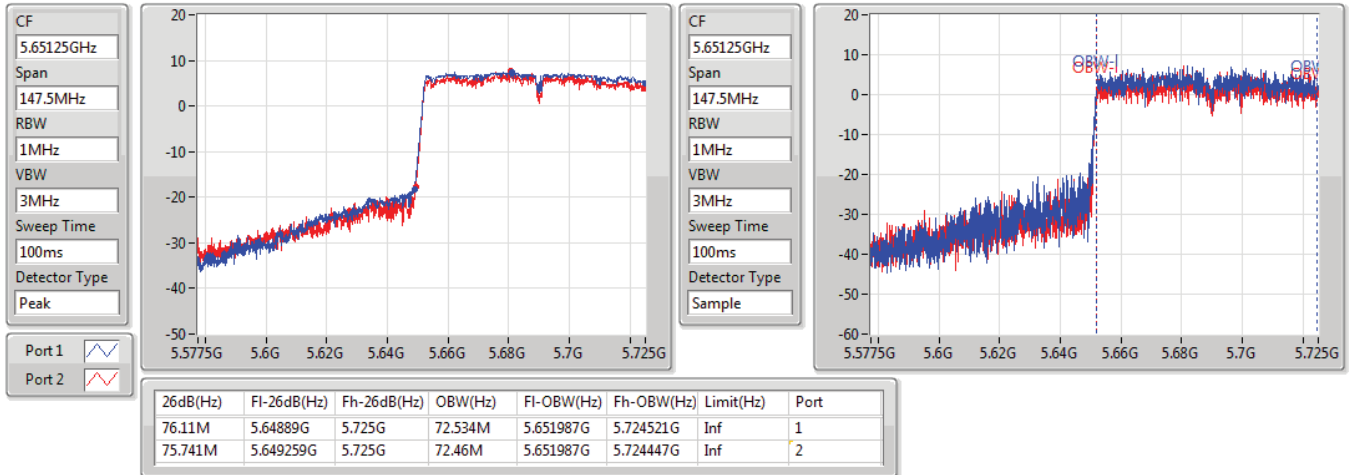

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5610MHz

06/08/2020

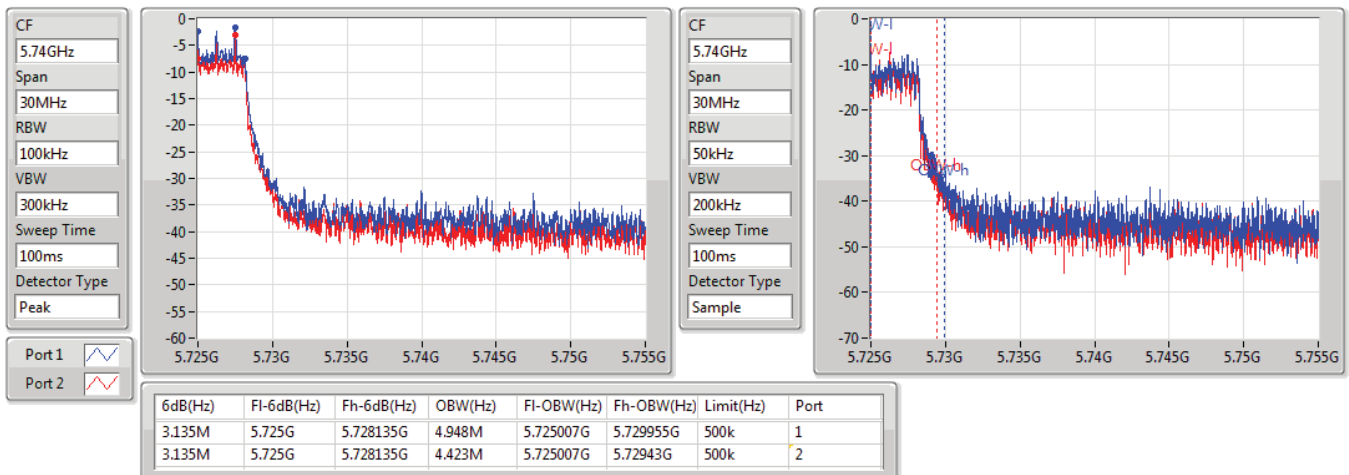


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

06/08/2020

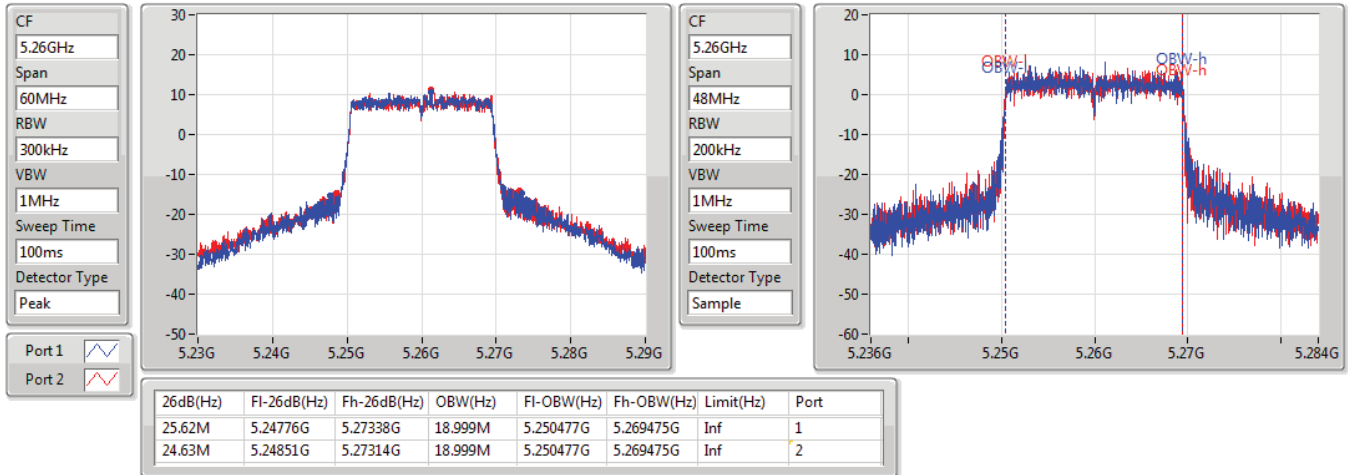

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

06/08/2020

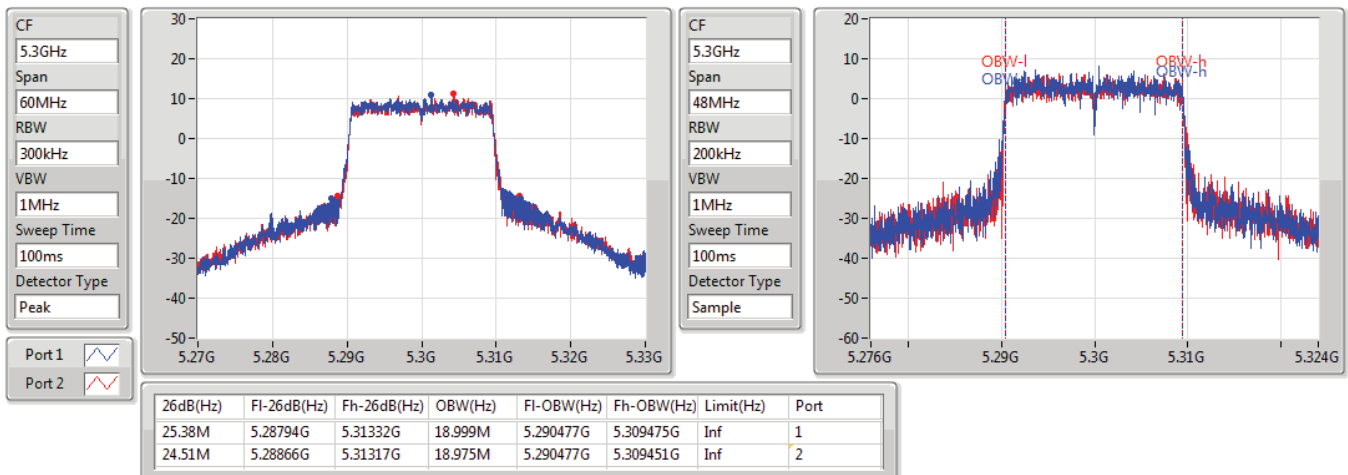


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5260MHz

06/08/2020

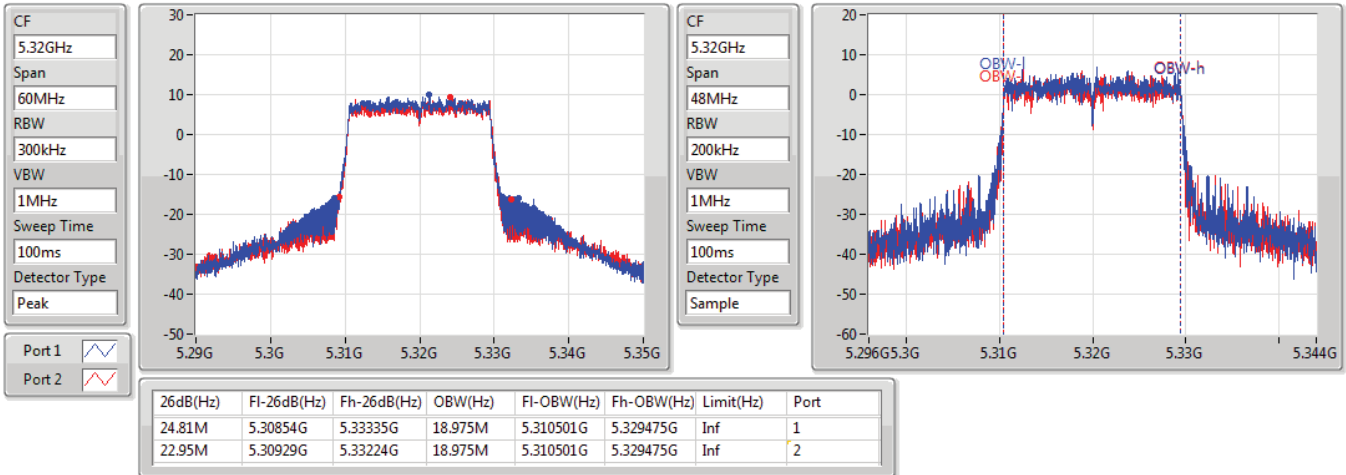

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5300MHz

06/08/2020

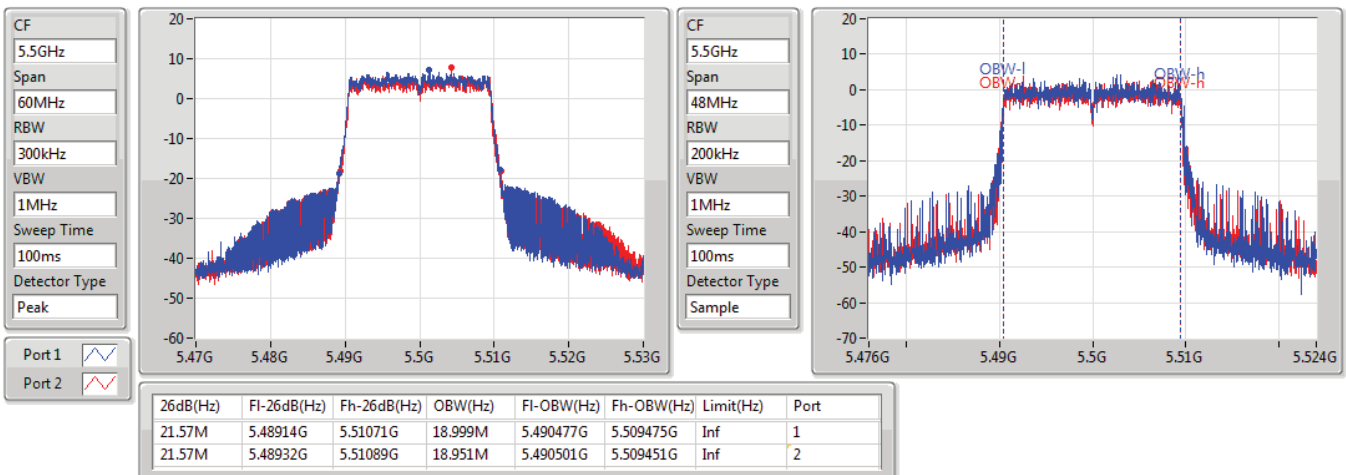


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5320MHz

14/08/2020

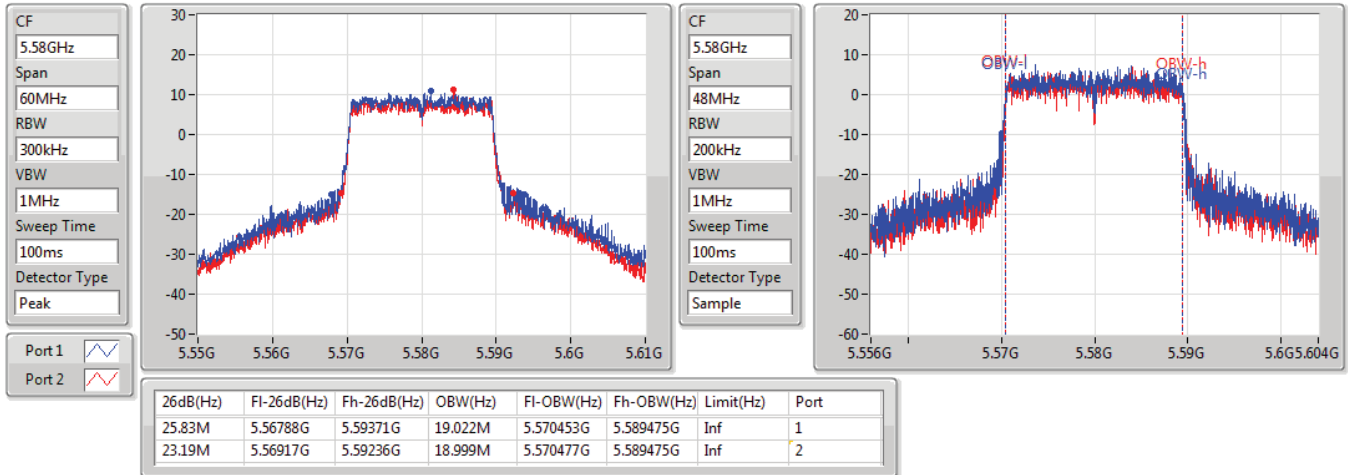

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5500MHz

14/08/2020

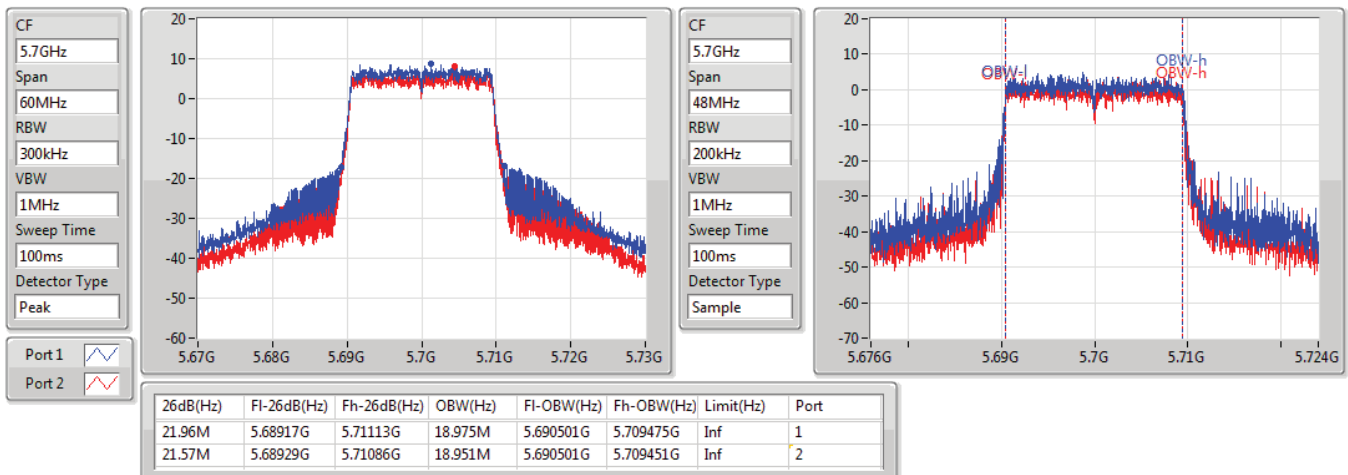


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5580MHz

06/08/2020

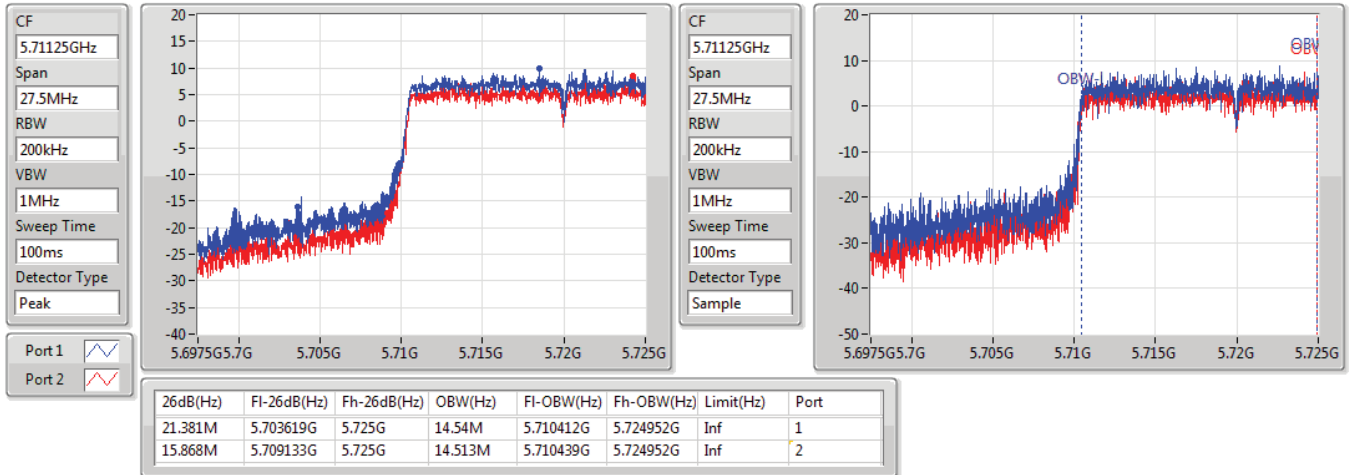

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5700MHz

14/08/2020

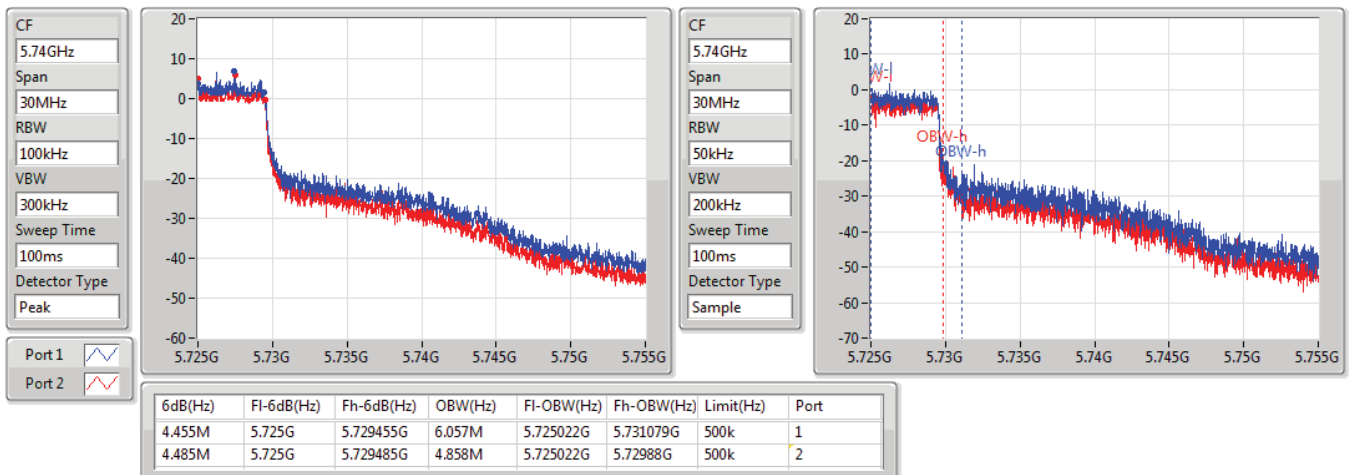


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

06/08/2020

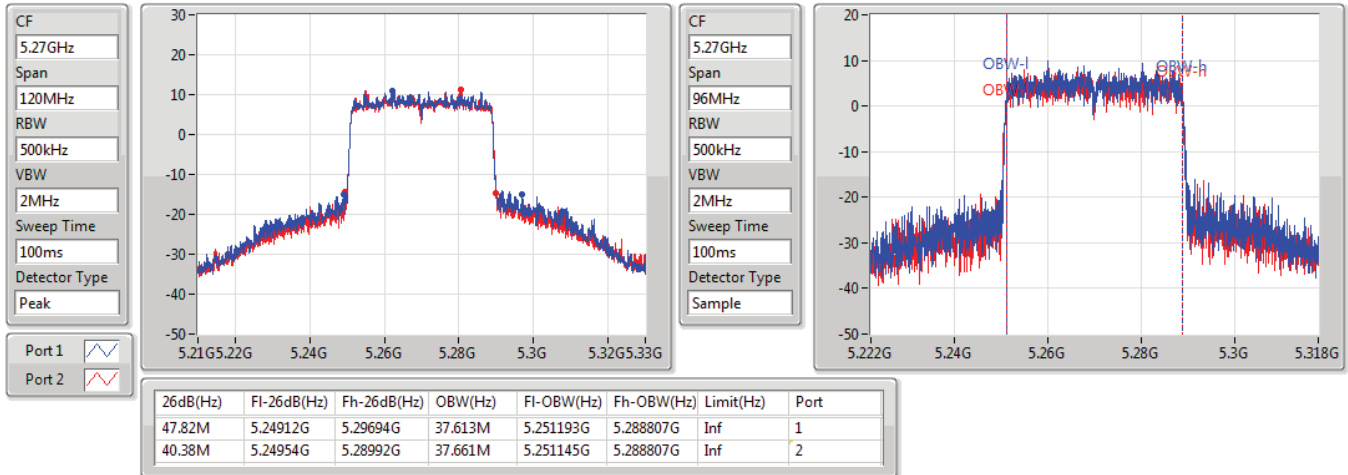

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

06/08/2020

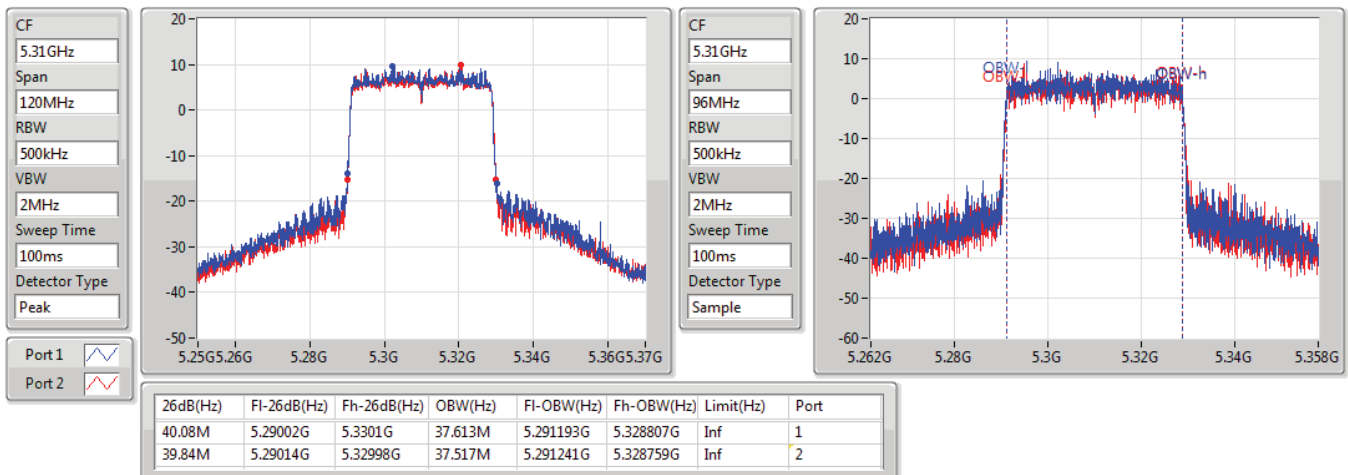


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5270MHz

06/08/2020

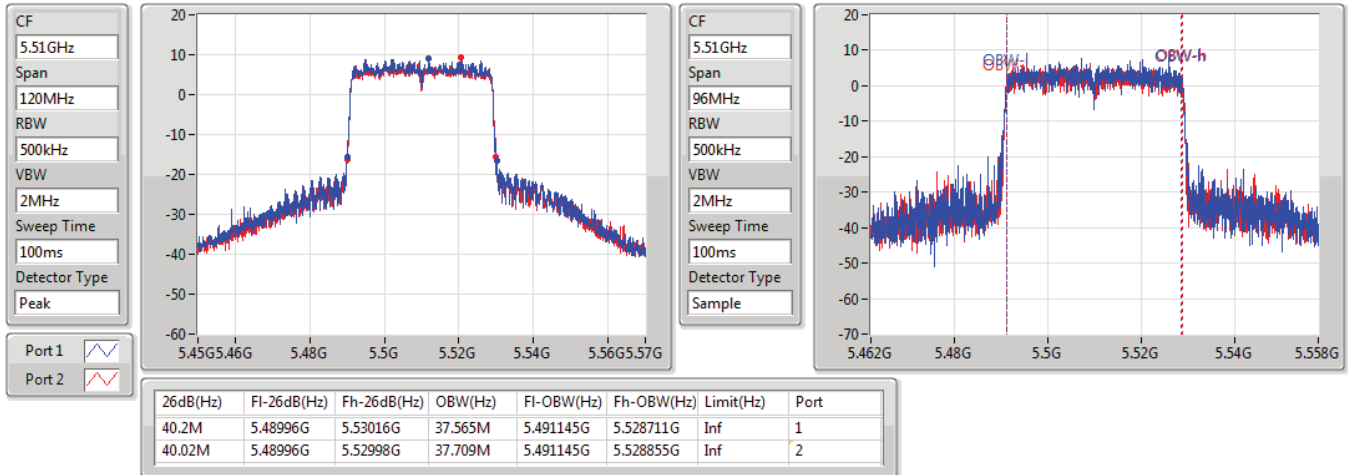

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5310MHz

14/08/2020

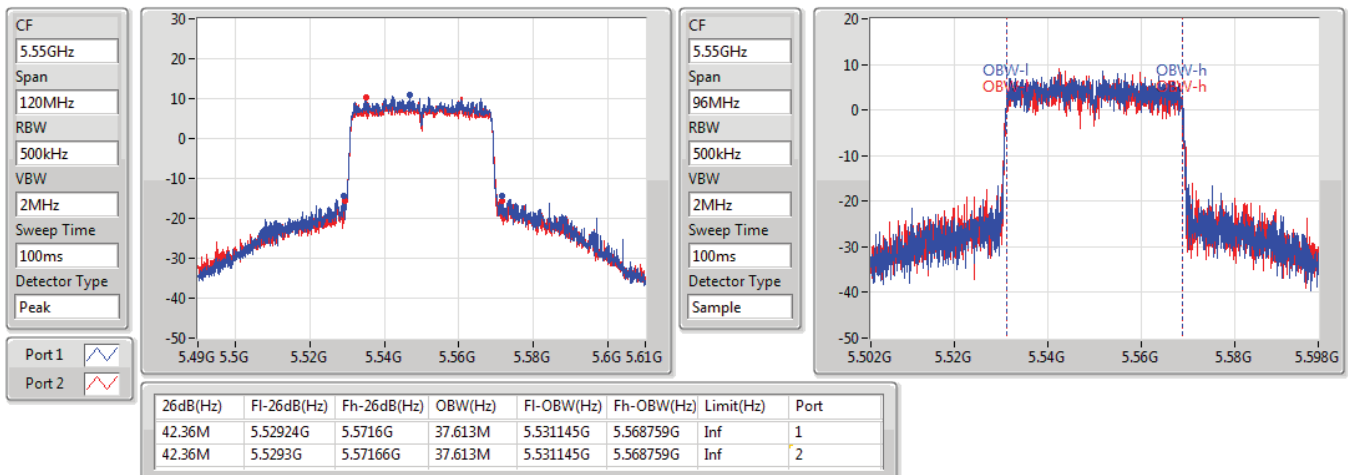


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5510MHz

14/08/2020

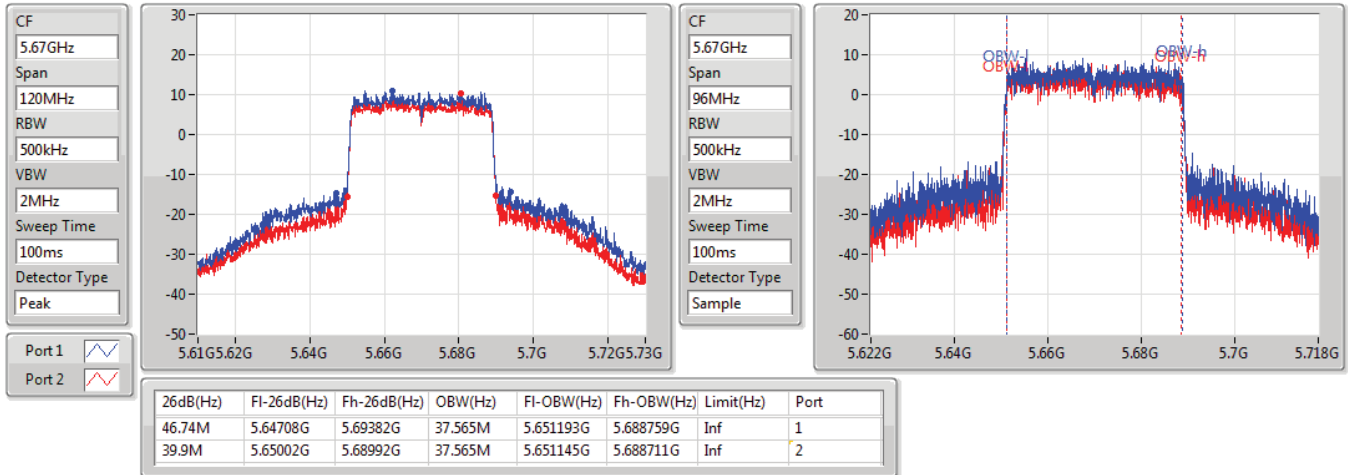

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5550MHz

06/08/2020

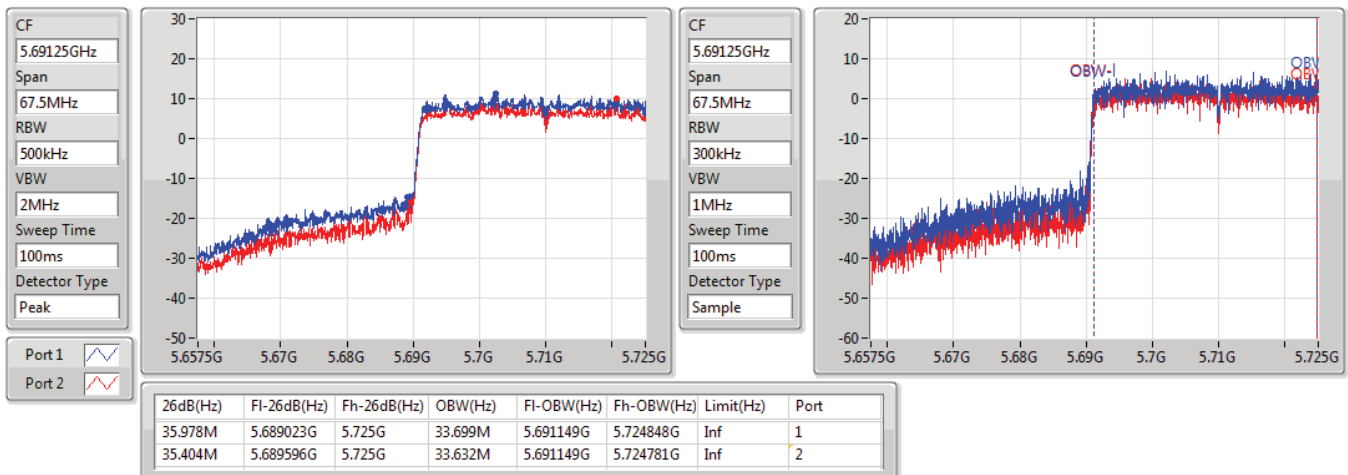


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5670MHz

06/08/2020

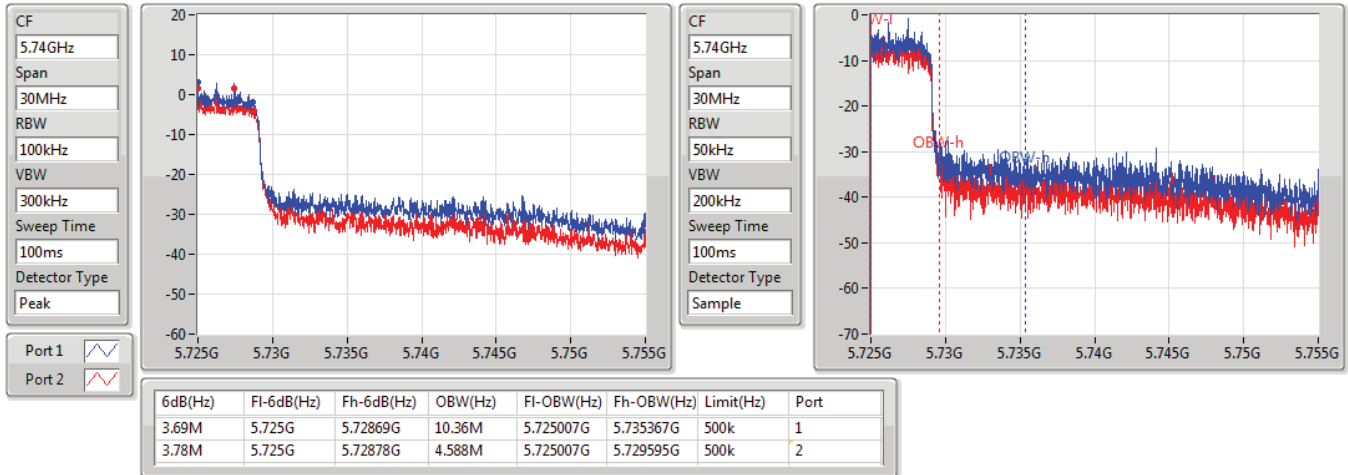

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

06/08/2020

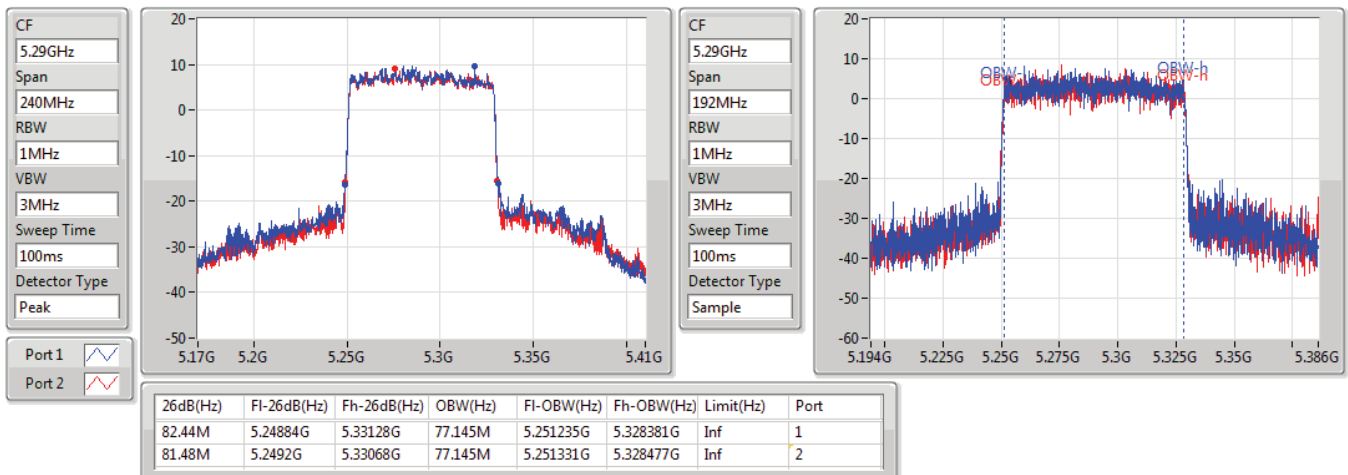


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

06/08/2020

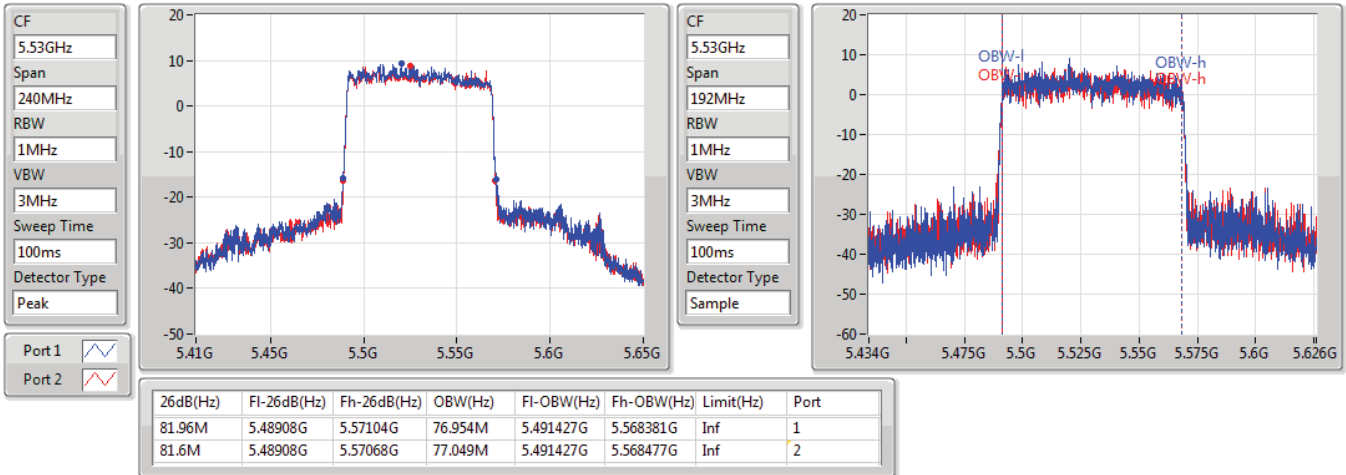

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5290MHz

14/08/2020

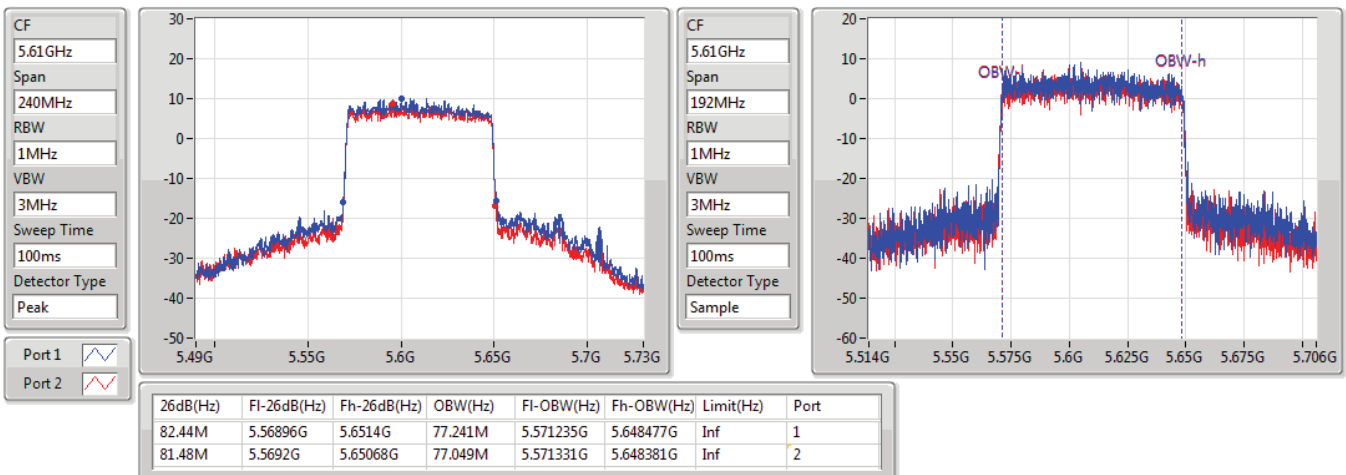


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5530MHz

14/08/2020

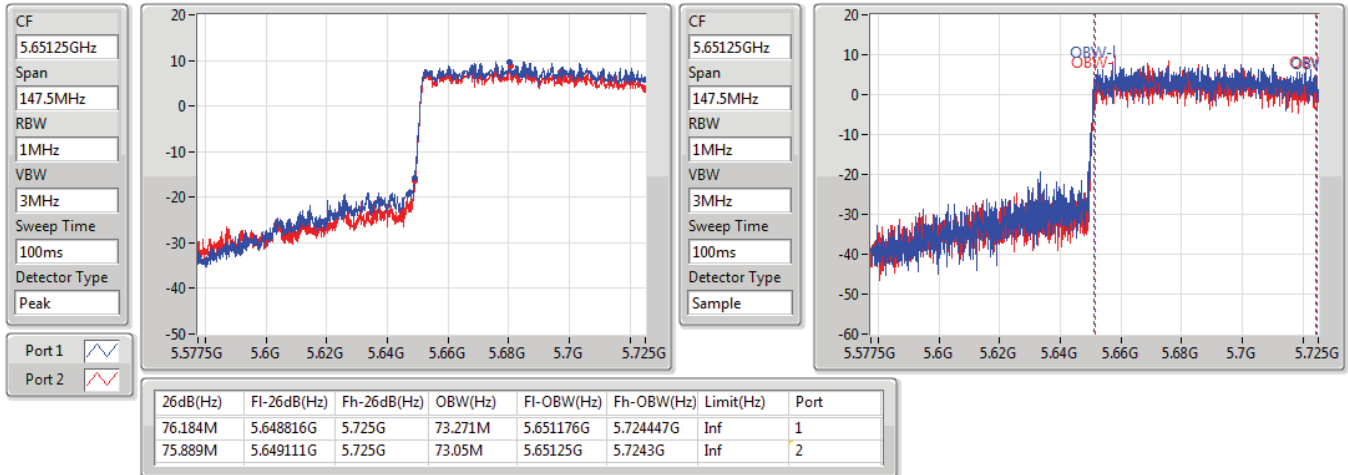

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5610MHz

06/08/2020

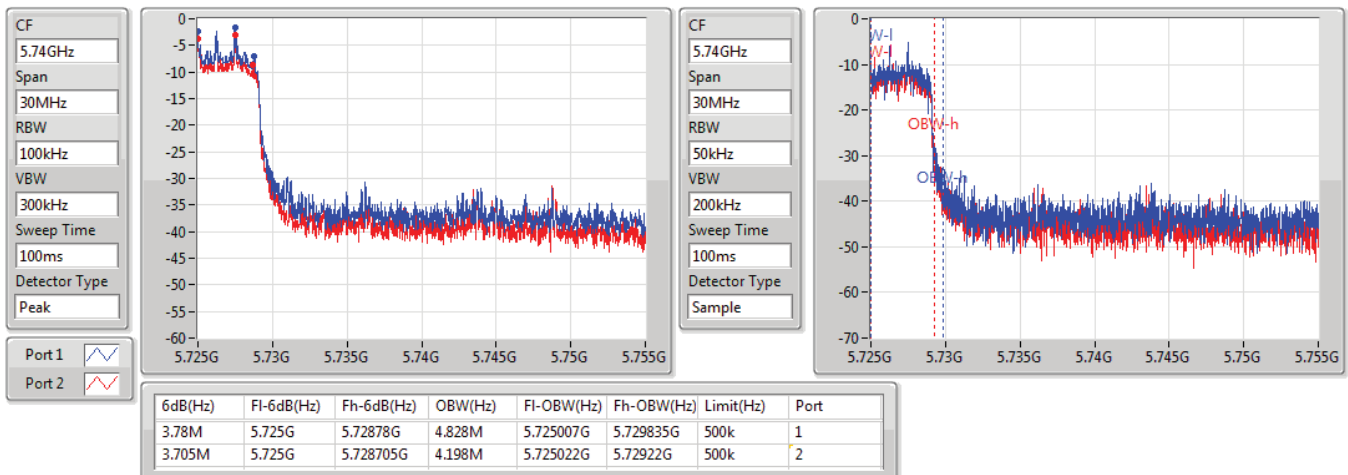


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

06/08/2020


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

06/08/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.95	0.15668	27.02	0.50350
802.11ac VHT20_Nss1,(MCS0)_2TX	20.59	0.11455	25.66	0.36813
802.11ac VHT40_Nss1,(MCS0)_2TX	20.69	0.11722	25.76	0.37670
802.11ac VHT80_Nss1,(MCS0)_2TX	19.95	0.09886	25.02	0.31769
802.11ax HEW20_Nss1,(MCS0)_2TX	20.94	0.12417	26.01	0.39902
802.11ax HEW40_Nss1,(MCS0)_2TX	20.87	0.12218	25.94	0.39264
802.11ax HEW80_Nss1,(MCS0)_2TX	20.16	0.10375	25.23	0.33343
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	15.01	0.03170	20.08	0.10186
802.11ac VHT20_Nss1,(MCS0)_2TX	14.92	0.03105	19.99	0.09977
802.11ac VHT40_Nss1,(MCS0)_2TX	10.15	0.01035	15.22	0.03327
802.11ac VHT80_Nss1,(MCS0)_2TX	6.01	0.00399	11.08	0.01282
802.11ax HEW20_Nss1,(MCS0)_2TX	15.61	0.03639	20.68	0.11695
802.11ax HEW40_Nss1,(MCS0)_2TX	10.92	0.01236	15.99	0.03972
802.11ax HEW80_Nss1,(MCS0)_2TX	6.81	0.00480	11.88	0.01542



Average Power_Non-Beamforming_Radio 1

Appendix B.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	-	-	-	-	-	-	-	-
5500MHz	Pass	5.07	17.84	17.12	20.51	23.98	25.58	30.00
5580MHz	Pass	5.07	19.37	18.47	21.95	23.98	27.02	30.00
5700MHz	Pass	5.07	19.22	18.39	21.84	23.98	26.91	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.07	18.5	17.69	21.12	22.90	26.19	28.90
5720MHz Straddle 5.725-5.85GHz	Pass	5.07	12.26	11.73	15.01	30.00	20.08	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5500MHz	Pass	5.07	17.99	16.95	20.51	23.98	25.58	30.00
5580MHz	Pass	5.07	18.06	17.03	20.59	23.98	25.66	30.00
5700MHz	Pass	5.07	17.72	17.05	20.41	23.98	25.48	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.07	17.86	17.19	20.55	22.96	25.62	28.96
5720MHz Straddle 5.725-5.85GHz	Pass	5.07	12.19	11.61	14.92	30.00	19.99	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5510MHz	Pass	5.07	17.84	16.87	20.39	23.98	25.46	30.00
5550MHz	Pass	5.07	18.21	17.07	20.69	23.98	25.76	30.00
5670MHz	Pass	5.07	17.79	17.09	20.46	23.98	25.53	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.07	17.74	17.15	20.47	23.98	25.54	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.07	7.43	6.82	10.15	30.00	15.22	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5530MHz	Pass	5.07	17.28	16.39	19.87	23.98	24.94	30.00
5610MHz	Pass	5.07	16.8	16.54	19.68	23.98	24.75	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.07	17.21	16.65	19.95	23.98	25.02	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.07	3.12	2.87	6.01	30.00	11.08	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5500MHz	Pass	5.07	18.44	17.36	20.94	23.98	26.01	30.00
5580MHz	Pass	5.07	18.38	17.35	20.91	23.98	25.98	30.00
5700MHz	Pass	5.07	18.05	17.38	20.74	23.98	25.81	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.07	18.13	17.41	20.80	22.95	25.87	28.95
5720MHz Straddle 5.725-5.85GHz	Pass	5.07	12.9	12.28	15.61	30.00	20.68	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5510MHz	Pass	5.07	18.17	17.06	20.66	23.98	25.73	30.00
5550MHz	Pass	5.07	18.43	17.21	20.87	23.98	25.94	30.00
5670MHz	Pass	5.07	18.09	17.26	20.71	23.98	25.78	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.07	18	17.24	20.65	23.98	25.72	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.07	8.22	7.57	10.92	30.00	15.99	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5530MHz	Pass	5.07	17.38	16.73	20.08	23.98	25.15	30.00
5610MHz	Pass	5.07	17.2	16.92	20.07	23.98	25.14	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.07	17.36	16.93	20.16	23.98	25.23	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.07	3.88	3.72	6.81	30.00	11.88	36.00

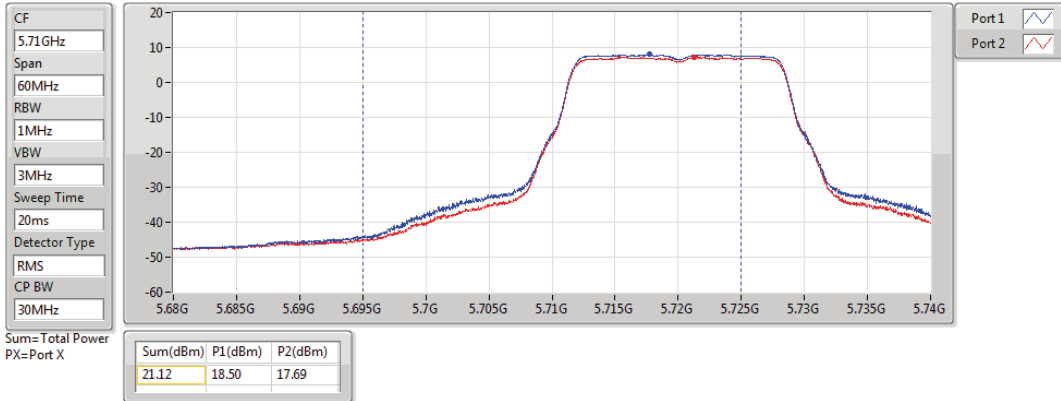
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/08/2020

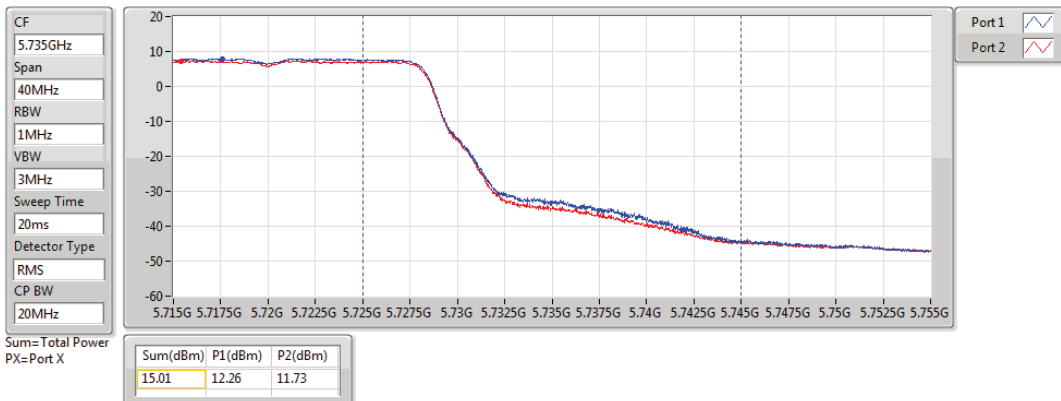


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/08/2020

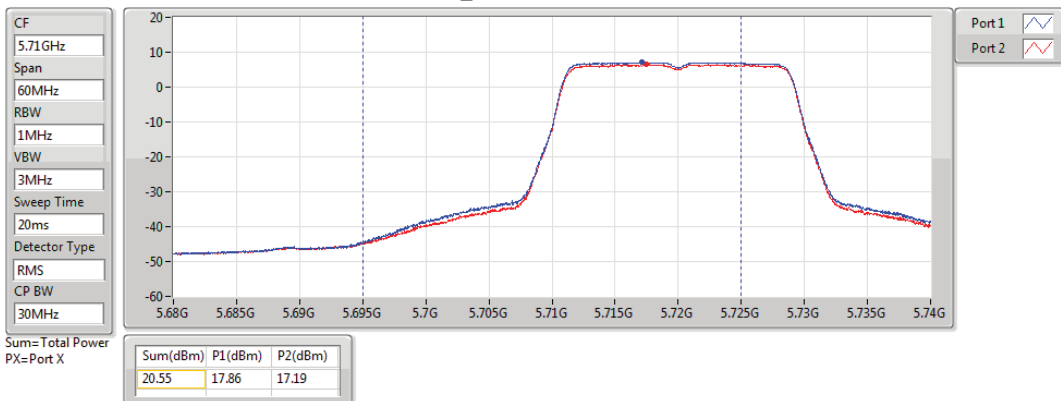


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/08/2020

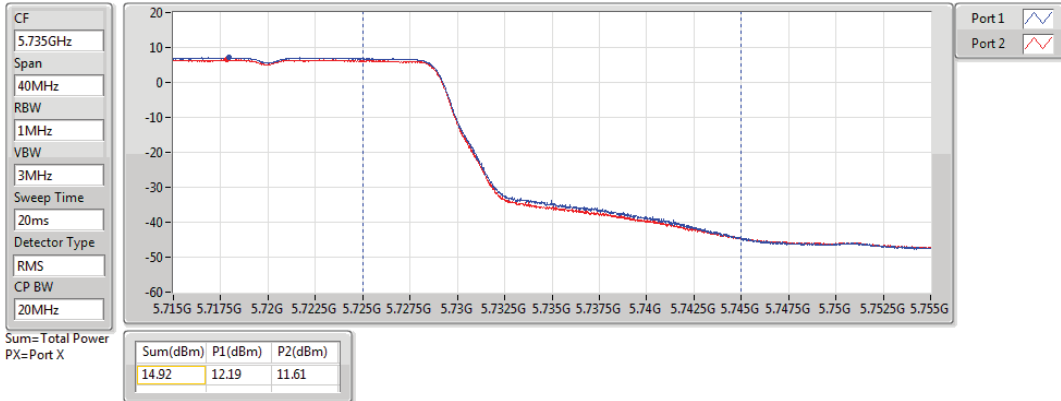


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/08/2020

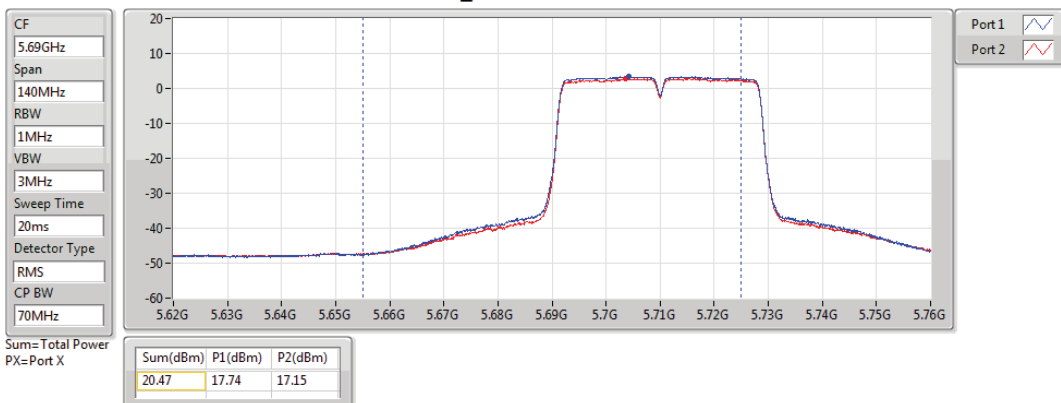


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

05/08/2020

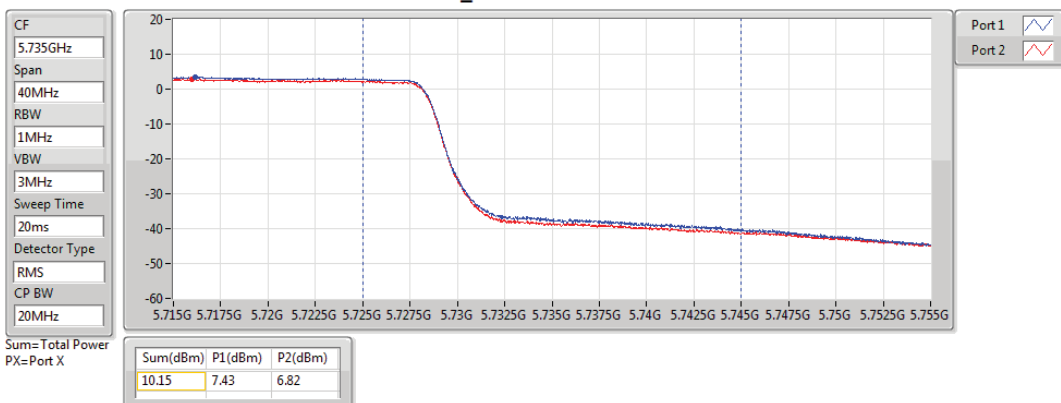


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

05/08/2020

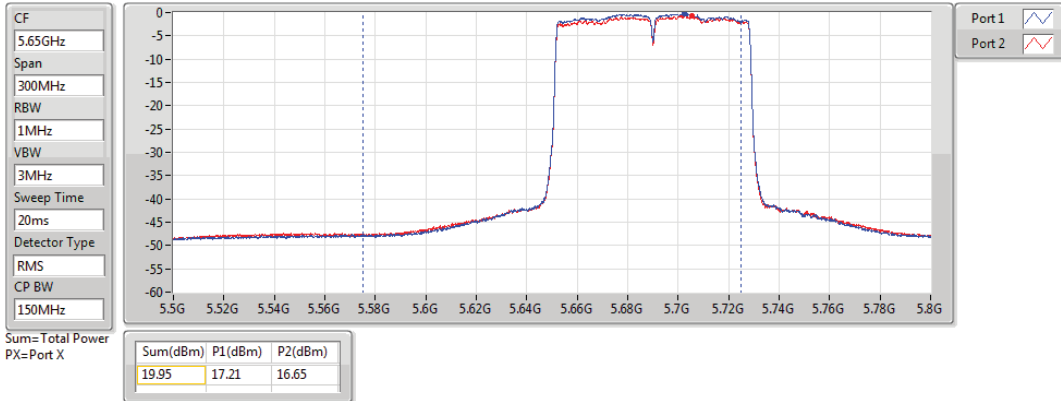


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

05/08/2020

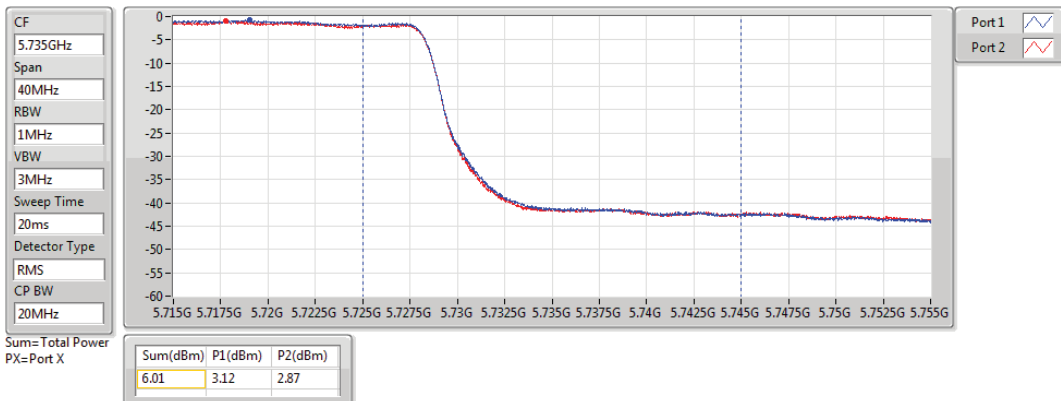


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

05/08/2020

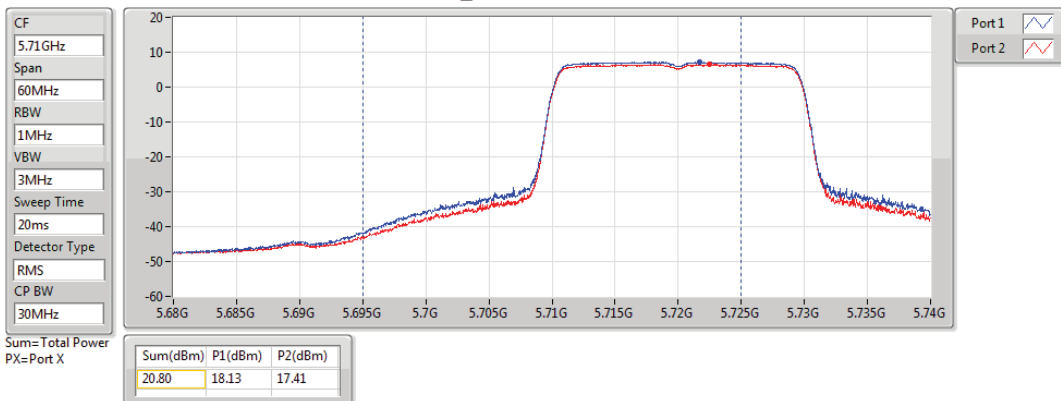


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/08/2020

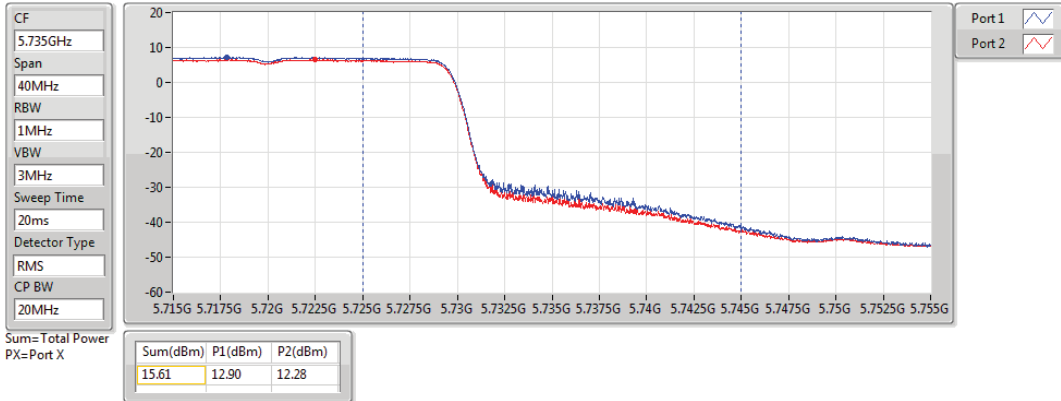


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/08/2020

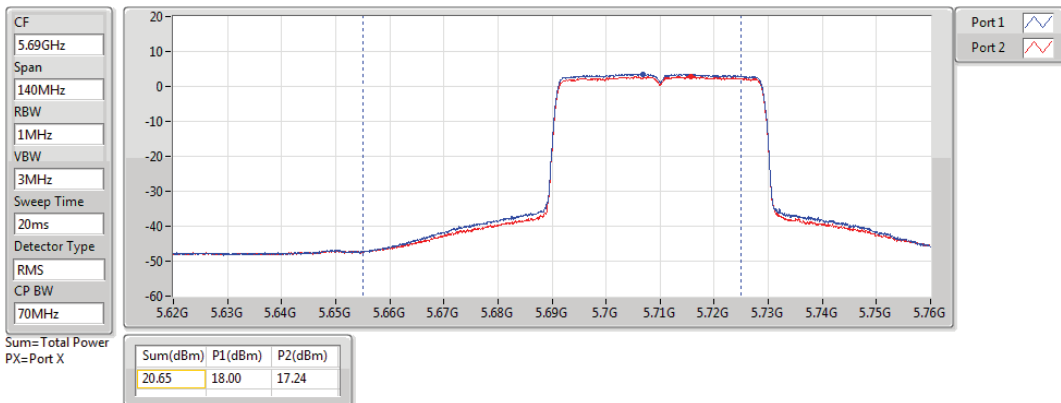


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

05/08/2020

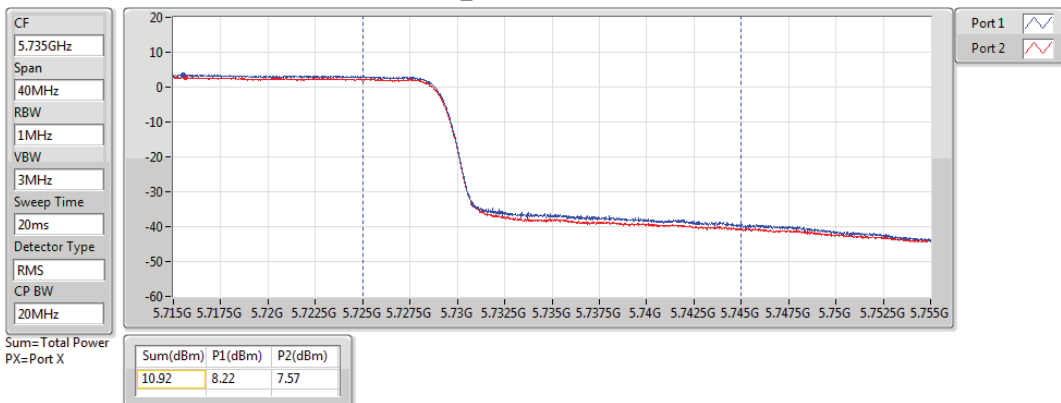


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

05/08/2020

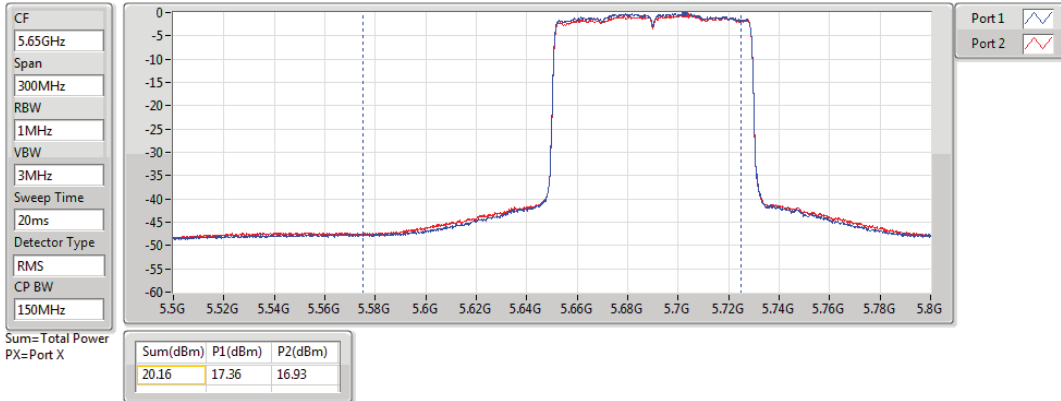


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

05/08/2020

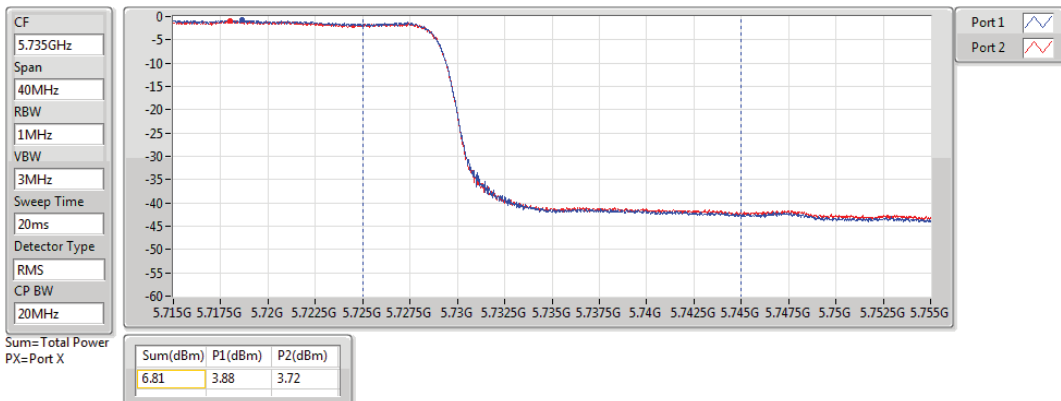


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

05/08/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.58	0.05728	25.66	0.36813
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	17.68	0.05861	25.76	0.37670
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	16.94	0.04943	25.02	0.31769
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	17.93	0.06209	26.01	0.39902
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	17.86	0.06109	25.94	0.39264
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	17.15	0.05188	25.23	0.33343
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	11.91	0.01552	19.99	0.09977
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	7.14	0.00518	15.22	0.03327
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.00	0.00200	11.08	0.01282
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	12.60	0.01820	20.68	0.11695
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	7.91	0.00618	15.99	0.03972
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	3.80	0.00240	11.88	0.01542



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5500MHz	Pass	8.08	14.98	13.94	17.50	21.90	25.58	30.00
5580MHz	Pass	8.08	15.05	14.02	17.58	21.90	25.66	30.00
5700MHz	Pass	8.08	14.71	14.04	17.40	21.90	25.48	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.08	14.85	14.18	17.54	21.90	25.62	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.08	9.18	8.60	11.91	27.92	19.99	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5510MHz	Pass	8.08	14.83	13.86	17.38	21.90	25.46	30.00
5550MHz	Pass	8.08	15.20	14.06	17.68	21.90	25.76	30.00
5670MHz	Pass	8.08	14.78	14.08	17.45	21.90	25.53	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.08	14.73	14.14	17.46	21.90	25.54	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.08	4.42	3.81	7.14	27.92	15.22	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5530MHz	Pass	8.08	14.27	13.38	16.86	21.90	24.94	30.00
5610MHz	Pass	8.08	13.79	13.53	16.67	21.90	24.75	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.08	14.20	13.64	16.94	21.90	25.02	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.08	0.11	-0.14	3.00	27.92	11.08	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5500MHz	Pass	8.08	15.43	14.35	17.93	21.90	26.01	30.00
5580MHz	Pass	8.08	15.37	14.34	17.90	21.90	25.98	30.00
5700MHz	Pass	8.08	15.04	14.37	17.73	21.90	25.81	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.08	15.12	14.40	17.79	21.90	25.87	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.08	9.89	9.27	12.60	27.92	20.68	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5510MHz	Pass	8.08	15.16	14.05	17.65	21.90	25.73	30.00
5550MHz	Pass	8.08	15.42	14.20	17.86	21.90	25.94	30.00
5670MHz	Pass	8.08	15.08	14.25	17.70	21.90	25.78	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.08	14.99	14.23	17.64	21.90	25.72	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.08	5.21	4.56	7.91	27.92	15.99	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5530MHz	Pass	8.08	14.37	13.72	17.07	21.90	25.15	30.00
5610MHz	Pass	8.08	14.19	13.91	17.06	21.90	25.14	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.08	14.35	13.92	17.15	21.90	25.23	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.08	0.87	0.71	3.80	27.92	11.88	36.00

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

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.95	0.15668	27.84	0.60814
802.11ac VHT20_Nss1,(MCS0)_2TX	20.69	0.11722	26.58	0.45499
802.11ac VHT40_Nss1,(MCS0)_2TX	20.86	0.12190	26.75	0.47315
802.11ac VHT80_Nss1,(MCS0)_2TX	19.13	0.08185	25.02	0.31769
802.11ax HEW20_Nss1,(MCS0)_2TX	21.05	0.12735	26.94	0.49431
802.11ax HEW40_Nss1,(MCS0)_2TX	21.09	0.12853	26.98	0.49888
802.11ax HEW80_Nss1,(MCS0)_2TX	19.33	0.08570	25.22	0.33266
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.00	0.15849	27.89	0.61518
802.11ac VHT20_Nss1,(MCS0)_2TX	20.83	0.12106	26.72	0.46989
802.11ac VHT40_Nss1,(MCS0)_2TX	20.98	0.12531	26.87	0.48641
802.11ac VHT80_Nss1,(MCS0)_2TX	19.80	0.09550	25.69	0.37068
802.11ax HEW20_Nss1,(MCS0)_2TX	21.12	0.12942	27.01	0.50234
802.11ax HEW40_Nss1,(MCS0)_2TX	21.10	0.12882	26.99	0.50003
802.11ax HEW80_Nss1,(MCS0)_2TX	20.12	0.10280	26.01	0.39902
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	14.29	0.02685	20.18	0.10423
802.11ac VHT20_Nss1,(MCS0)_2TX	14.87	0.03069	20.76	0.11912
802.11ac VHT40_Nss1,(MCS0)_2TX	10.59	0.01146	16.48	0.04446
802.11ac VHT80_Nss1,(MCS0)_2TX	5.95	0.00394	11.84	0.01528
802.11ax HEW20_Nss1,(MCS0)_2TX	15.60	0.03631	21.49	0.14093
802.11ax HEW40_Nss1,(MCS0)_2TX	11.41	0.01384	17.30	0.05370
802.11ax HEW80_Nss1,(MCS0)_2TX	6.97	0.00498	12.86	0.01932



Average Power_Non-Beamforming_Radio 2

Appendix B.3

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	-	-	-	-	-	-	-	-
5260MHz	Pass	5.89	19.08	18.76	21.93	23.98	27.82	30.00
5300MHz	Pass	5.89	19.07	18.56	21.83	23.98	27.72	30.00
5320MHz	Pass	5.89	19.13	18.74	21.95	23.98	27.84	30.00
5500MHz	Pass	5.89	16.15	16.37	19.27	23.98	25.16	30.00
5580MHz	Pass	5.89	18.94	19.04	22.00	23.98	27.89	30.00
5700MHz	Pass	5.89	17.34	16.95	20.16	23.98	26.05	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.89	17.50	17.15	20.34	22.96	26.23	28.96
5720MHz Straddle 5.725-5.85GHz	Pass	5.89	11.44	11.11	14.29	30.00	20.18	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.89	17.92	17.42	20.69	23.98	26.58	30.00
5300MHz	Pass	5.89	17.68	17.45	20.58	23.98	26.47	30.00
5320MHz	Pass	5.89	17.90	17.41	20.67	23.98	26.56	30.00
5500MHz	Pass	5.89	16.96	17.53	20.26	23.98	26.15	30.00
5580MHz	Pass	5.89	17.69	17.95	20.83	23.98	26.72	30.00
5700MHz	Pass	5.89	14.45	13.99	17.24	23.98	23.13	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.89	17.67	17.22	20.46	22.96	26.35	28.96
5720MHz Straddle 5.725-5.85GHz	Pass	5.89	12.07	11.63	14.87	30.00	20.76	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.89	18.14	17.54	20.86	23.98	26.75	30.00
5310MHz	Pass	5.89	16.14	15.76	18.96	23.98	24.85	30.00
5510MHz	Pass	5.89	15.72	15.71	18.73	23.98	24.62	30.00
5550MHz	Pass	5.89	18.02	17.91	20.98	23.98	26.87	30.00
5670MHz	Pass	5.89	18.15	17.35	20.78	23.98	26.67	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.89	17.90	17.63	20.78	23.98	26.67	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.89	7.70	7.46	10.59	30.00	16.48	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.89	16.34	15.89	19.13	23.98	25.02	30.00
5530MHz	Pass	5.89	14.94	15.43	18.20	23.98	24.09	30.00
5610MHz	Pass	5.89	17.05	16.51	19.80	23.98	25.69	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.89	16.90	16.56	19.74	23.98	25.63	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.89	2.98	2.90	5.95	30.00	11.84	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.89	18.13	17.89	21.02	23.98	26.91	30.00
5300MHz	Pass	5.89	18.18	17.83	21.02	23.98	26.91	30.00
5320MHz	Pass	5.89	18.28	17.78	21.05	23.98	26.94	30.00
5500MHz	Pass	5.89	17.42	17.78	20.61	23.98	26.50	30.00
5580MHz	Pass	5.89	18.05	18.17	21.12	23.98	27.01	30.00
5700MHz	Pass	5.89	14.74	14.07	17.43	23.98	23.32	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.89	17.80	17.32	20.58	22.96	26.47	28.96
5720MHz Straddle 5.725-5.85GHz	Pass	5.89	12.75	12.42	15.60	30.00	21.49	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.89	18.35	17.79	21.09	23.98	26.98	30.00
5310MHz	Pass	5.89	16.57	16.08	19.34	23.98	25.23	30.00



Average Power_Non-Beamforming_Radio 2

Appendix B.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5510MHz	Pass	5.89	15.74	15.93	18.85	23.98	24.74	30.00
5550MHz	Pass	5.89	18.13	18.05	21.10	23.98	26.99	30.00
5670MHz	Pass	5.89	18.25	17.46	20.88	23.98	26.77	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.89	18.17	17.72	20.96	23.98	26.85	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.89	8.62	8.16	11.41	30.00	17.30	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.89	16.48	16.16	19.33	23.98	25.22	30.00
5530MHz	Pass	5.89	15.28	15.59	18.45	23.98	24.34	30.00
5610MHz	Pass	5.89	17.43	16.77	20.12	23.98	26.01	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.89	17.27	16.94	20.12	23.98	26.01	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.89	3.95	3.97	6.97	30.00	12.86	36.00

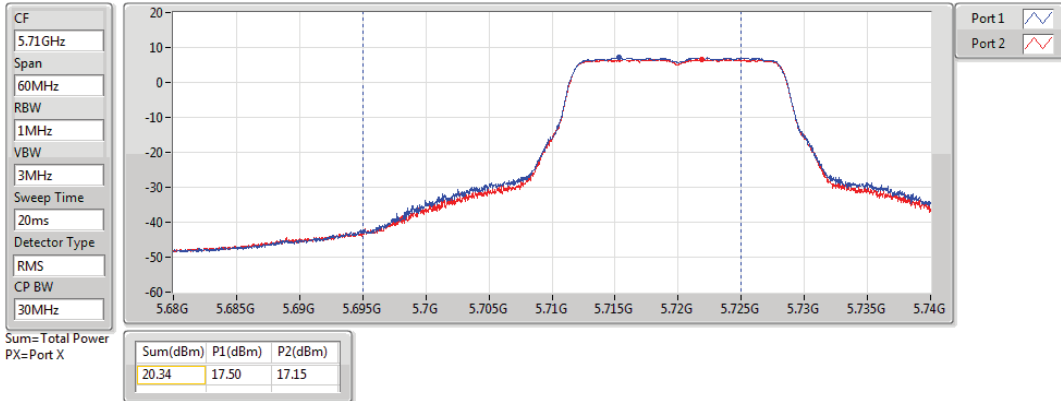
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

06/08/2020

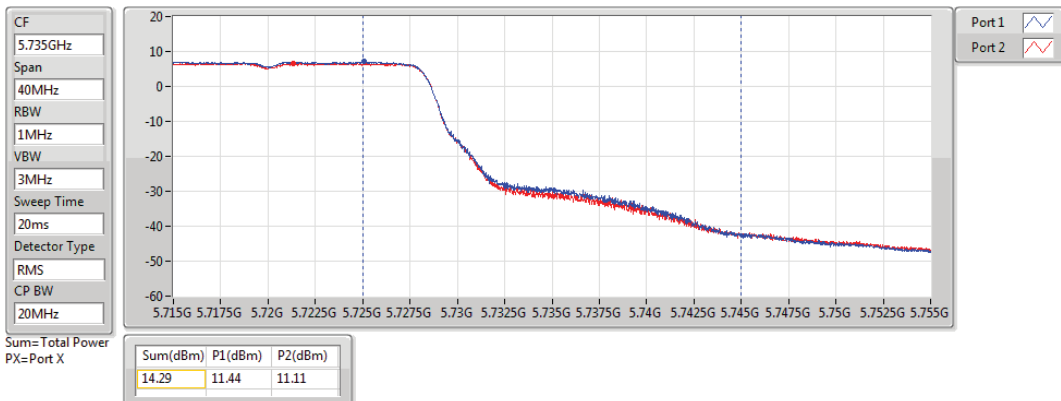


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

06/08/2020

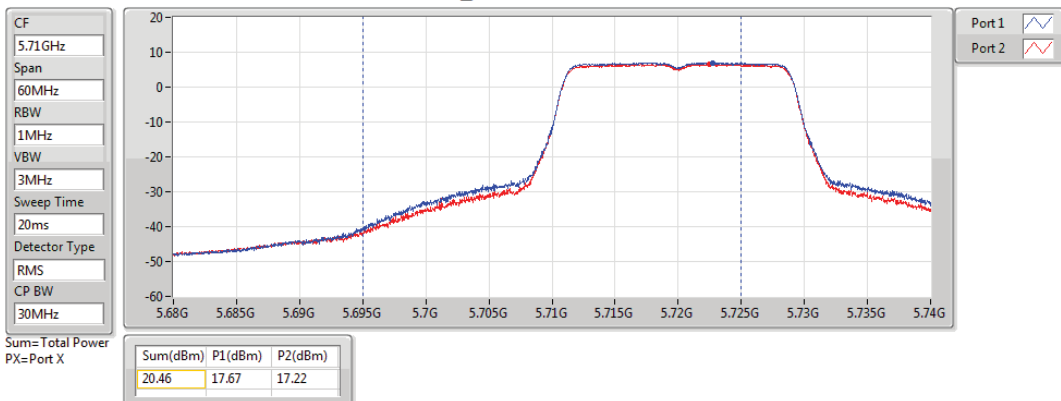


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

07/08/2020

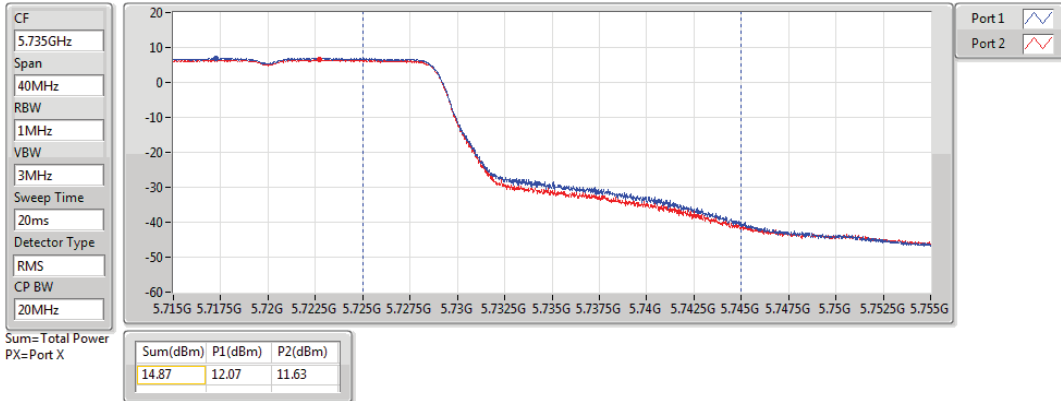


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

07/08/2020

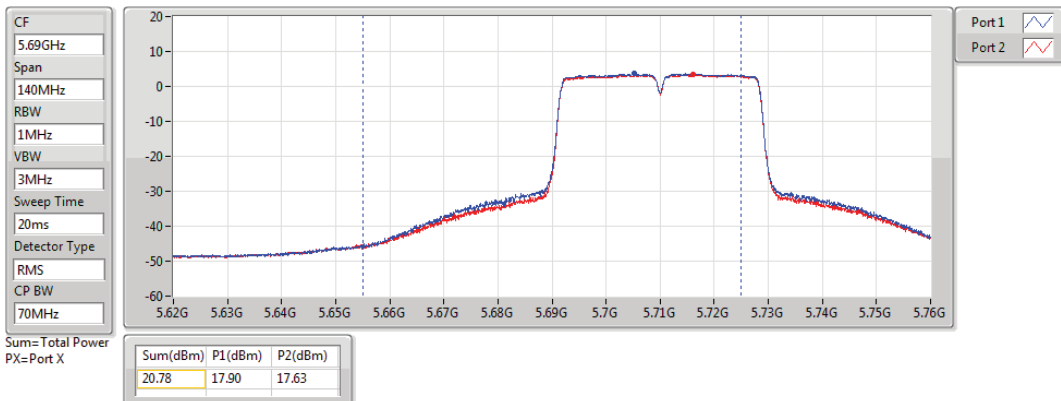


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

07/08/2020

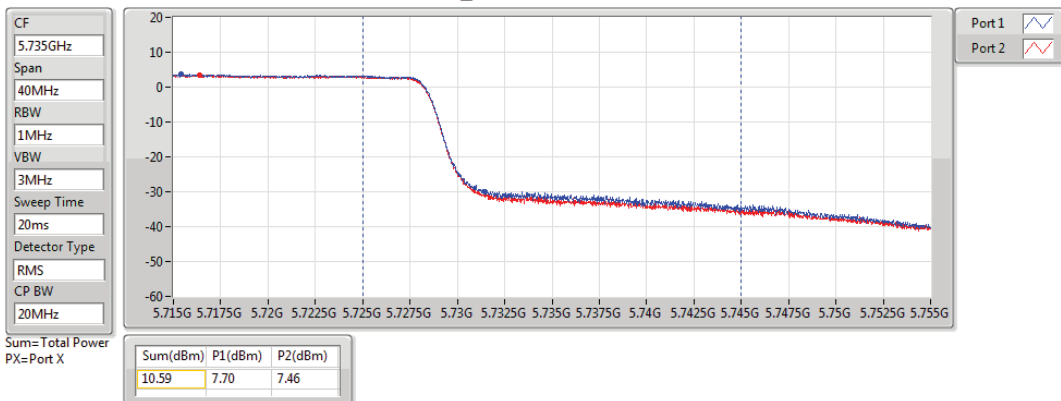


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

07/08/2020

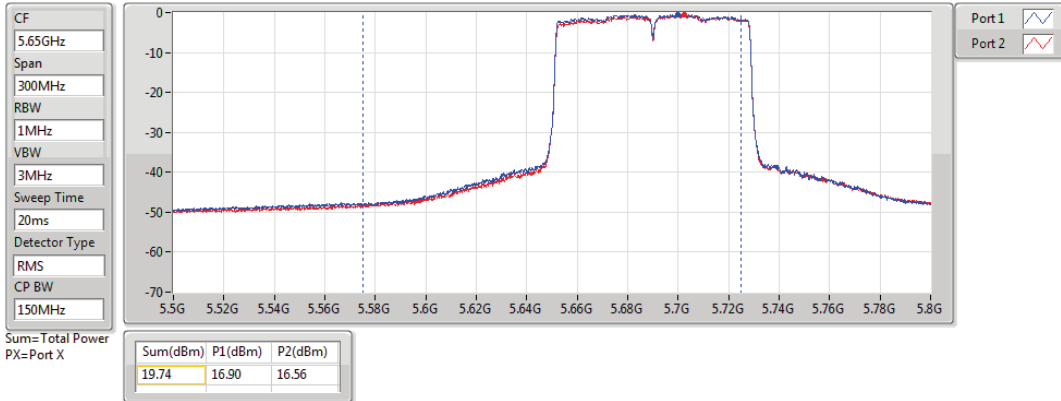


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

07/08/2020

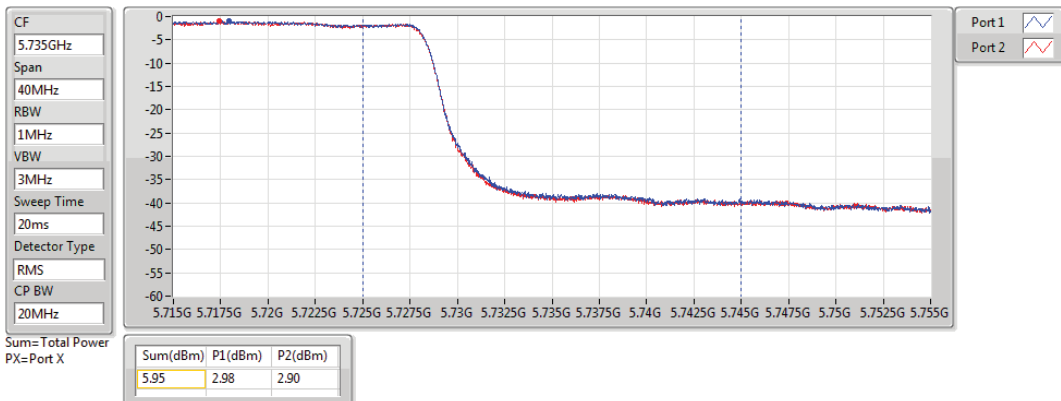


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

07/08/2020

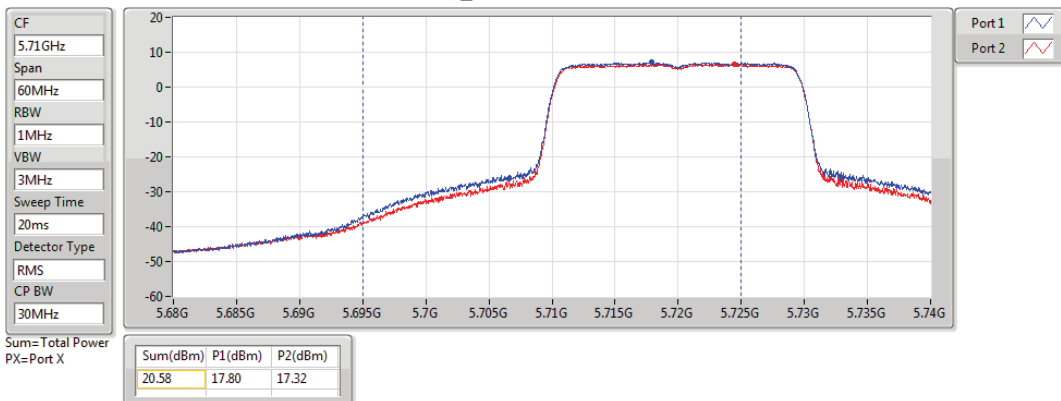


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

07/08/2020

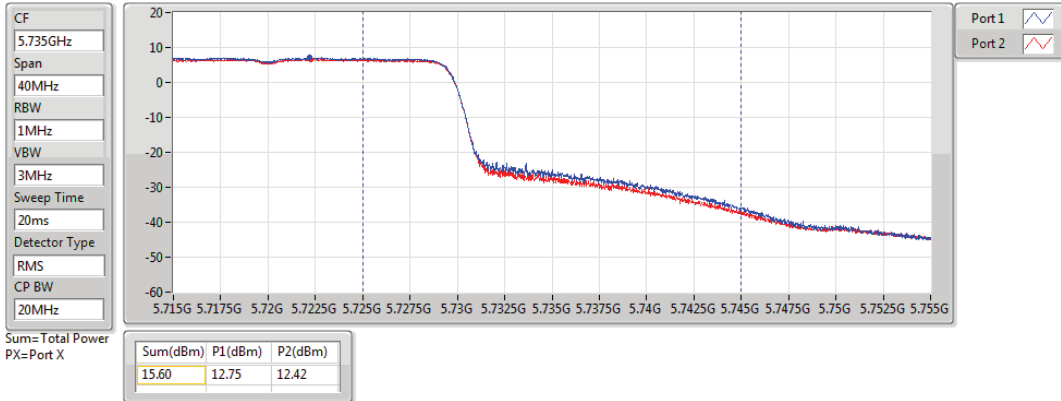


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

06/08/2020

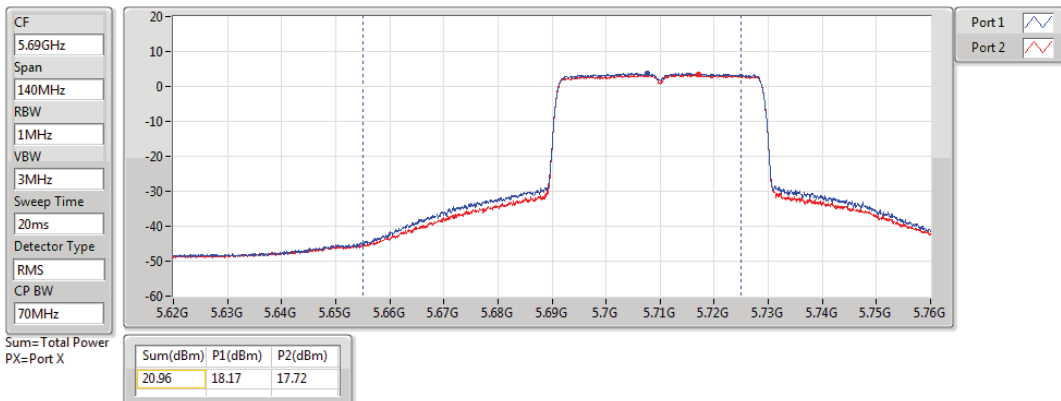


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

07/08/2020

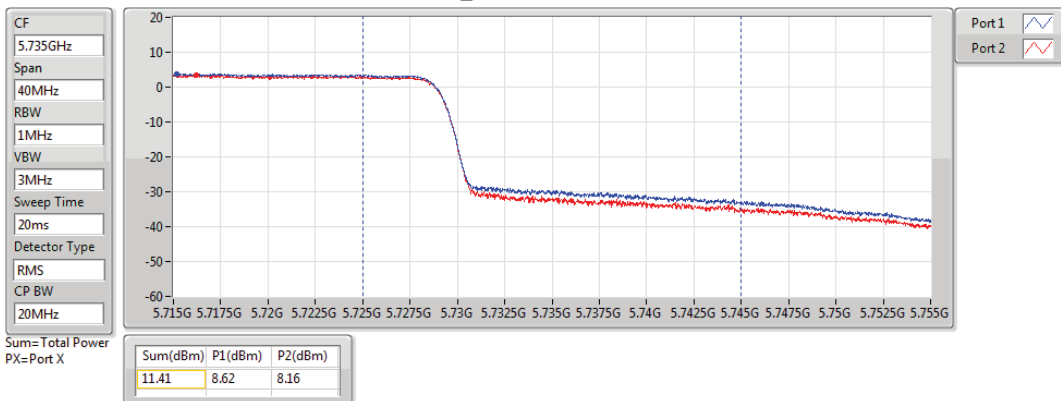


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

07/08/2020

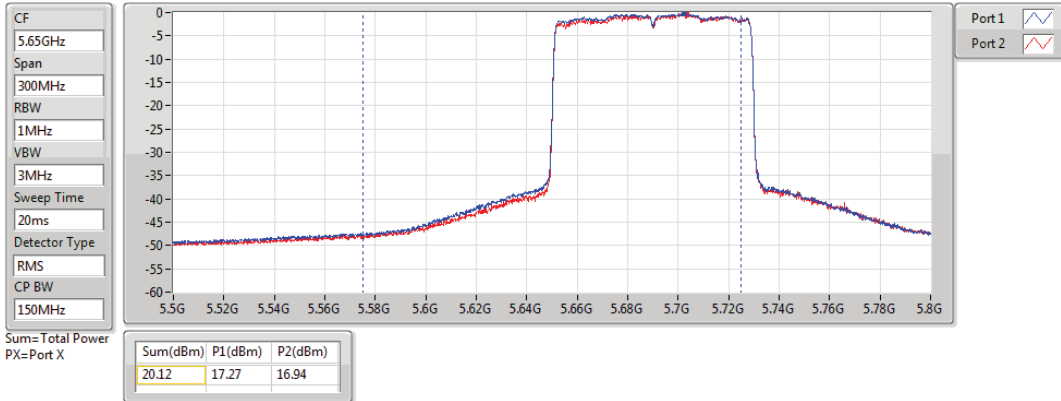


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

07/08/2020

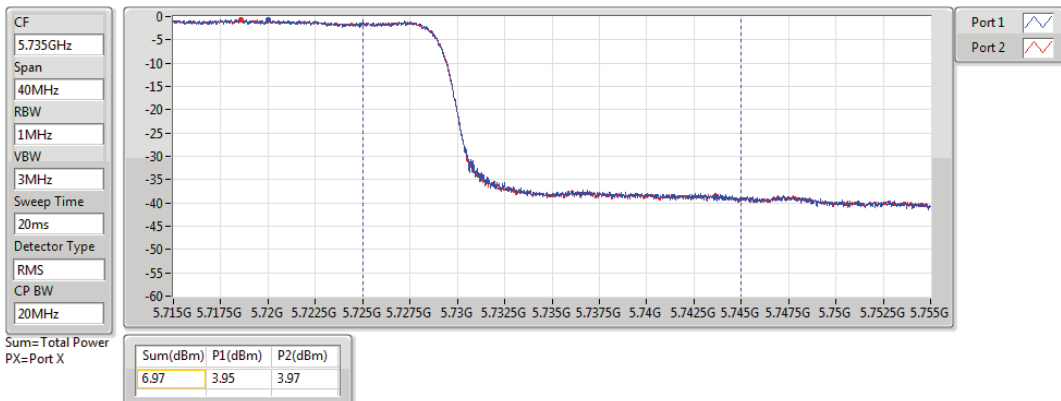


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

07/08/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.68	0.05861	26.58	0.45499
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	17.85	0.06095	26.75	0.47315
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	16.12	0.04093	25.02	0.31769
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.04	0.06368	26.94	0.49431
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	18.08	0.06427	26.98	0.49888
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.32	0.04285	25.22	0.33266
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.82	0.06053	26.72	0.46989
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	17.97	0.06266	26.87	0.48641
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	16.79	0.04775	25.69	0.37068
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.11	0.06471	27.01	0.50234
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	18.09	0.06442	26.99	0.50003
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	17.11	0.05140	26.01	0.39902
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	11.86	0.01535	20.76	0.11912
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	7.58	0.00573	16.48	0.04446
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	2.94	0.00197	11.84	0.01528
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	12.59	0.01816	21.49	0.14093
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	8.40	0.00692	17.30	0.05370
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	3.96	0.00249	12.86	0.01932

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.90	14.91	14.41	17.68	21.08	26.58	30.00
5300MHz	Pass	8.90	14.67	14.44	17.57	21.08	26.47	30.00
5320MHz	Pass	8.90	14.89	14.40	17.66	21.08	26.56	30.00
5500MHz	Pass	8.90	13.95	14.52	17.25	21.08	26.15	30.00
5580MHz	Pass	8.90	14.68	14.94	17.82	21.08	26.72	30.00
5700MHz	Pass	8.90	11.44	10.98	14.23	21.08	23.13	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.90	14.66	14.21	17.45	21.08	26.35	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.90	9.06	8.62	11.86	27.10	20.76	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.90	15.13	14.53	17.85	21.08	26.75	30.00
5310MHz	Pass	8.90	13.13	12.75	15.95	21.08	24.85	30.00
5510MHz	Pass	8.90	12.71	12.70	15.72	21.08	24.62	30.00
5550MHz	Pass	8.90	15.01	14.90	17.97	21.08	26.87	30.00
5670MHz	Pass	8.90	15.14	14.34	17.77	21.08	26.67	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.90	14.89	14.62	17.77	21.08	26.67	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.90	4.69	4.45	7.58	27.10	16.48	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.90	13.33	12.88	16.12	21.08	25.02	30.00
5530MHz	Pass	8.90	11.93	12.42	15.19	21.08	24.09	30.00
5610MHz	Pass	8.90	14.04	13.50	16.79	21.08	25.69	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.90	13.89	13.55	16.73	21.08	25.63	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.90	-0.03	-0.11	2.94	27.10	11.84	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.90	15.12	14.88	18.01	21.08	26.91	30.00
5300MHz	Pass	8.90	15.17	14.82	18.01	21.08	26.91	30.00
5320MHz	Pass	8.90	15.27	14.77	18.04	21.08	26.94	30.00
5500MHz	Pass	8.90	14.41	14.77	17.60	21.08	26.50	30.00
5580MHz	Pass	8.90	15.04	15.16	18.11	21.08	27.01	30.00
5700MHz	Pass	8.90	11.73	11.06	14.42	21.08	23.32	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.90	14.79	14.31	17.57	21.08	26.47	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.90	9.74	9.41	12.59	27.10	21.49	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.90	15.34	14.78	18.08	21.08	26.98	30.00
5310MHz	Pass	8.90	13.56	13.07	16.33	21.08	25.23	30.00
5510MHz	Pass	8.90	12.73	12.92	15.84	21.08	24.74	30.00
5550MHz	Pass	8.90	15.12	15.04	18.09	21.08	26.99	30.00
5670MHz	Pass	8.90	15.24	14.45	17.87	21.08	26.77	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.90	15.16	14.71	17.95	21.08	26.85	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.90	5.61	5.15	8.40	27.10	17.30	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.90	13.47	13.15	16.32	21.08	25.22	30.00
5530MHz	Pass	8.90	12.27	12.58	15.44	21.08	24.34	30.00
5610MHz	Pass	8.90	14.42	13.76	17.11	21.08	26.01	30.00



Average Power_ Beamforming_Radio 2

Appendix B.4

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5690MHz Straddle 5.47-5.725GHz	Pass	8.90	14.26	13.93	17.11	21.08	26.01	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.90	0.94	0.96	3.96	27.10	12.86	36.00

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

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.34	0.13614	26.78	0.47643
802.11ac VHT20_Nss1,(MCS0)_2TX	20.87	0.12218	26.31	0.42756
802.11ac VHT40_Nss1,(MCS0)_2TX	20.90	0.12303	26.34	0.43053
802.11ac VHT80_Nss1,(MCS0)_2TX	19.36	0.08630	24.80	0.30200
802.11ax HEW20_Nss1,(MCS0)_2TX	21.06	0.12764	26.50	0.44668
802.11ax HEW40_Nss1,(MCS0)_2TX	21.08	0.12823	26.52	0.44875
802.11ax HEW80_Nss1,(MCS0)_2TX	19.60	0.09120	25.04	0.31915
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.08	0.12823	26.52	0.44875
802.11ac VHT20_Nss1,(MCS0)_2TX	20.50	0.11220	25.94	0.39264
802.11ac VHT40_Nss1,(MCS0)_2TX	20.69	0.11722	26.13	0.41020
802.11ac VHT80_Nss1,(MCS0)_2TX	19.47	0.08851	24.91	0.30974
802.11ax HEW20_Nss1,(MCS0)_2TX	20.79	0.11995	26.23	0.41976
802.11ax HEW40_Nss1,(MCS0)_2TX	20.82	0.12078	26.26	0.42267
802.11ax HEW80_Nss1,(MCS0)_2TX	19.64	0.09204	25.08	0.32211
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	14.04	0.02535	19.48	0.08872
802.11ac VHT20_Nss1,(MCS0)_2TX	14.55	0.02851	19.99	0.09977
802.11ac VHT40_Nss1,(MCS0)_2TX	9.78	0.00951	15.22	0.03327
802.11ac VHT80_Nss1,(MCS0)_2TX	4.64	0.00291	10.08	0.01019
802.11ax HEW20_Nss1,(MCS0)_2TX	15.04	0.03192	20.48	0.11169
802.11ax HEW40_Nss1,(MCS0)_2TX	10.57	0.01140	16.01	0.03990
802.11ax HEW80_Nss1,(MCS0)_2TX	5.47	0.00352	10.91	0.01233



Average Power_Non-Beamforming_Radio 3

Appendix B.5

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	-	-	-	-	-	-	-	-
5260MHz	Pass	5.44	18.46	18.19	21.34	23.98	26.78	30.00
5300MHz	Pass	5.44	18.26	18.20	21.24	23.98	26.68	30.00
5320MHz	Pass	5.44	17.78	16.75	20.31	23.98	25.75	30.00
5500MHz	Pass	5.44	15.64	15.11	18.39	23.98	23.83	30.00
5580MHz	Pass	5.44	18.55	17.53	21.08	23.98	26.52	30.00
5700MHz	Pass	5.44	16.94	15.53	19.30	23.98	24.74	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.44	17.94	16.45	20.27	23.05	25.71	29.05
5720MHz Straddle 5.725-5.85GHz	Pass	5.44	11.64	10.31	14.04	30.00	19.48	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.44	17.95	17.76	20.87	23.98	26.31	30.00
5300MHz	Pass	5.44	17.69	17.80	20.76	23.98	26.20	30.00
5320MHz	Pass	5.44	17.01	16.46	19.75	23.98	25.19	30.00
5500MHz	Pass	5.44	14.01	13.52	16.78	23.98	22.22	30.00
5580MHz	Pass	5.44	18.00	16.91	20.50	23.98	25.94	30.00
5700MHz	Pass	5.44	15.81	14.20	18.09	23.98	23.53	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.44	17.87	16.60	20.29	23.29	25.73	29.29
5720MHz Straddle 5.725-5.85GHz	Pass	5.44	12.23	10.71	14.55	30.00	19.99	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.44	17.88	17.89	20.90	23.98	26.34	30.00
5310MHz	Pass	5.44	16.74	16.26	19.52	23.98	24.96	30.00
5510MHz	Pass	5.44	16.47	15.75	19.14	23.98	24.58	30.00
5550MHz	Pass	5.44	18.06	17.27	20.69	23.98	26.13	30.00
5670MHz	Pass	5.44	18.34	16.83	20.66	23.98	26.10	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.44	18.18	16.56	20.46	23.98	25.90	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.44	7.55	5.81	9.78	30.00	15.22	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.44	16.50	16.20	19.36	23.98	24.80	30.00
5530MHz	Pass	5.44	16.09	15.63	18.88	23.98	24.32	30.00
5610MHz	Pass	5.44	16.98	15.70	19.40	23.98	24.84	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.44	17.11	15.69	19.47	23.98	24.91	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.44	2.34	0.78	4.64	30.00	10.08	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.44	18.05	18.04	21.06	23.98	26.50	30.00
5300MHz	Pass	5.44	18.04	17.96	21.01	23.98	26.45	30.00
5320MHz	Pass	5.44	17.16	16.58	19.89	23.98	25.33	30.00
5500MHz	Pass	5.44	14.52	13.03	16.85	23.98	22.29	30.00
5580MHz	Pass	5.44	18.27	17.22	20.79	23.98	26.23	30.00
5700MHz	Pass	5.44	16.07	14.53	18.38	23.98	23.82	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.44	18.10	16.49	20.38	23.01	25.82	29.01
5720MHz Straddle 5.725-5.85GHz	Pass	5.44	12.76	11.14	15.04	30.00	20.48	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.44	18.09	18.04	21.08	23.98	26.52	30.00
5310MHz	Pass	5.44	16.89	16.54	19.73	23.98	25.17	30.00



Average Power_Non-Beamforming_Radio 3

Appendix B.5

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5510MHz	Pass	5.44	16.66	16.08	19.39	23.98	24.83	30.00
5550MHz	Pass	5.44	18.13	17.47	20.82	23.98	26.26	30.00
5670MHz	Pass	5.44	18.45	16.98	20.79	23.98	26.23	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.44	18.35	16.65	20.59	23.98	26.03	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.44	8.35	6.60	10.57	30.00	16.01	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.44	16.76	16.41	19.60	23.98	25.04	30.00
5530MHz	Pass	5.44	16.39	15.96	19.19	23.98	24.63	30.00
5610MHz	Pass	5.44	17.10	16.06	19.62	23.98	25.06	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.44	17.26	15.90	19.64	23.98	25.08	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.44	3.16	1.62	5.47	30.00	10.91	36.00

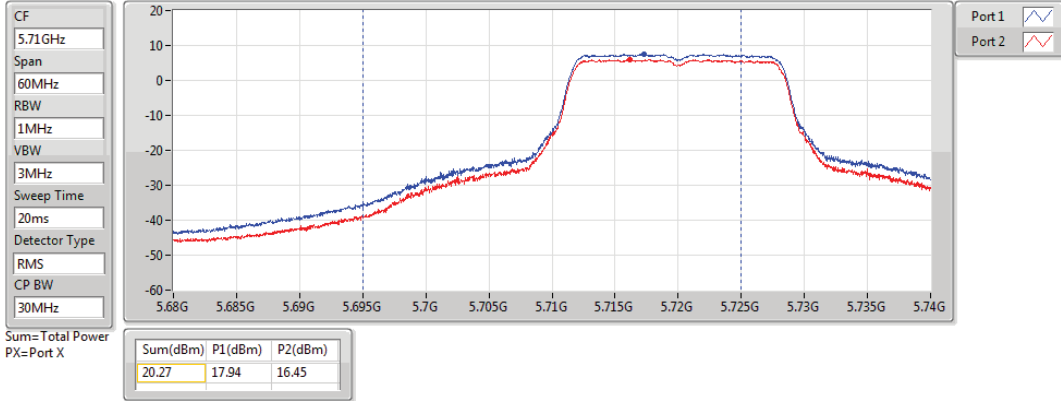
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

06/08/2020

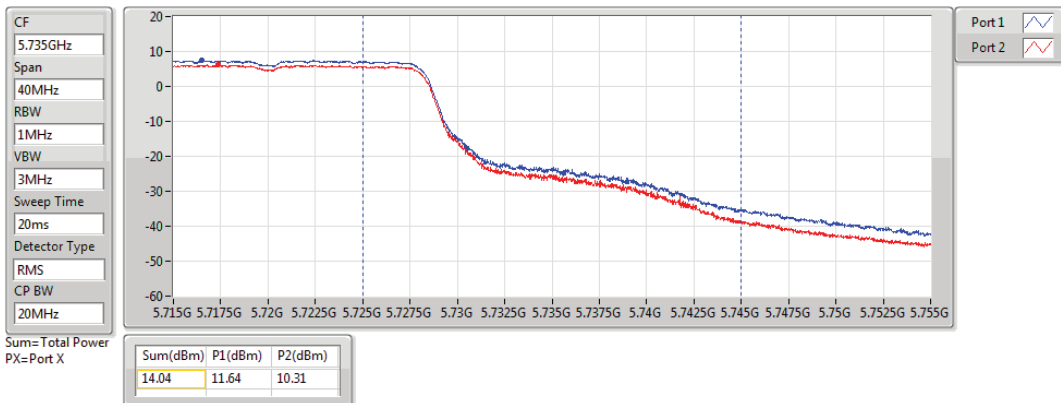


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

06/08/2020

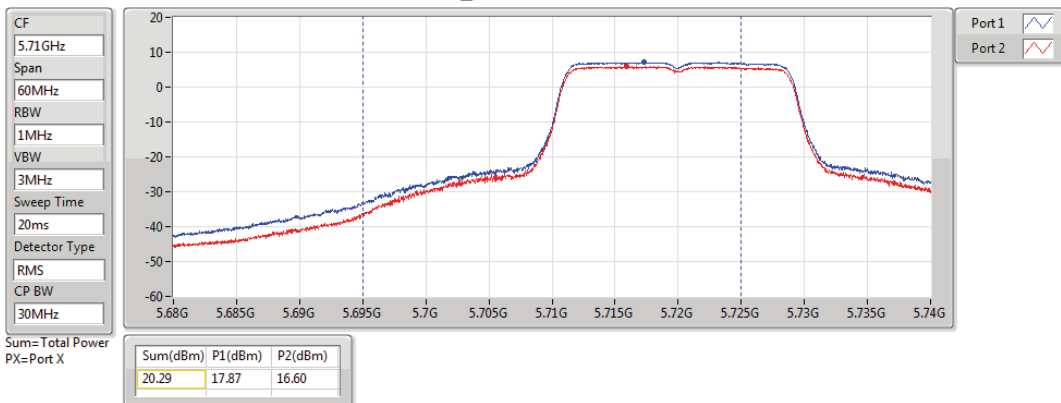


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

06/08/2020

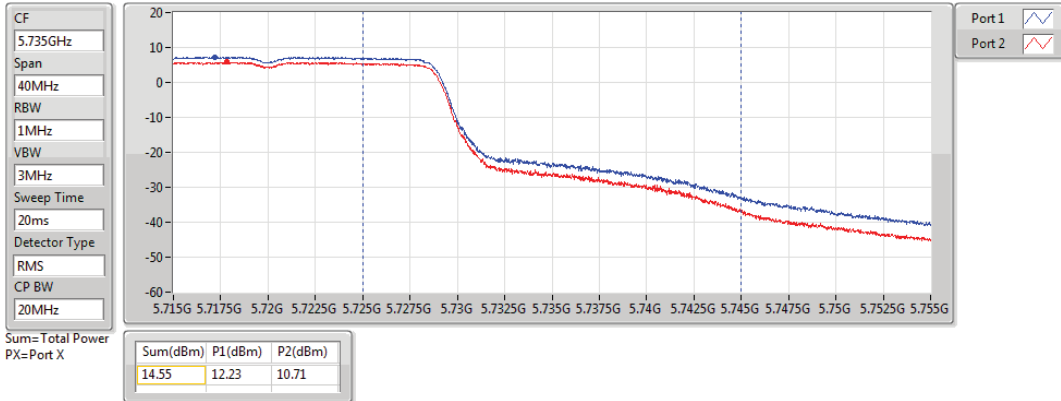


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

06/08/2020

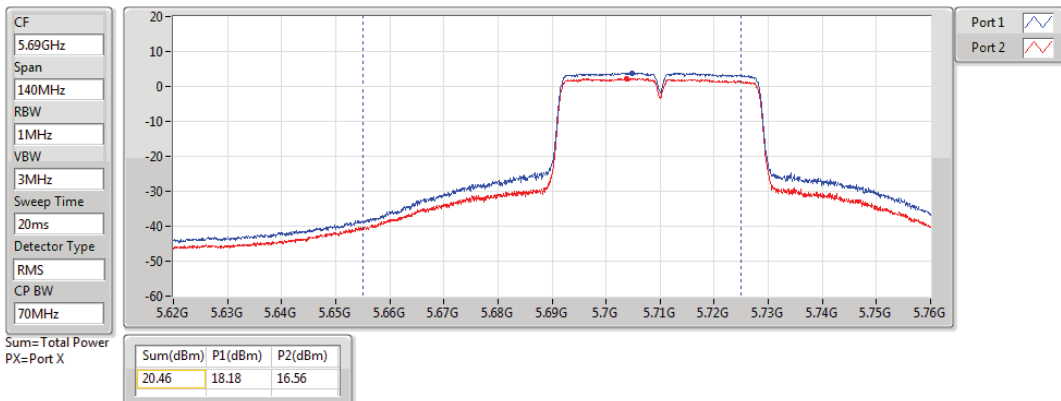


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

06/08/2020

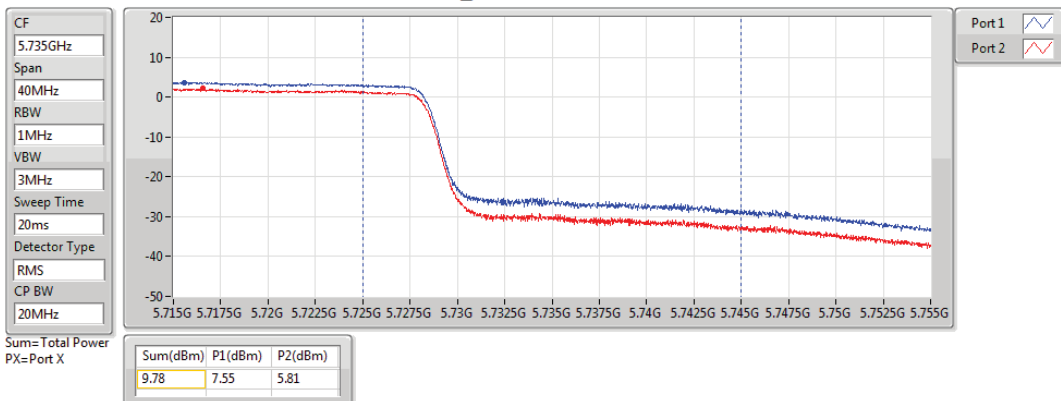


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

06/08/2020

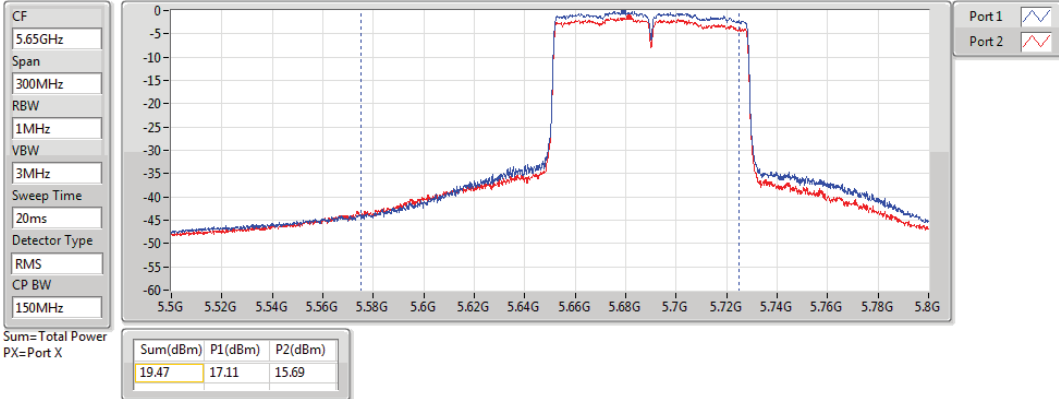


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

06/08/2020

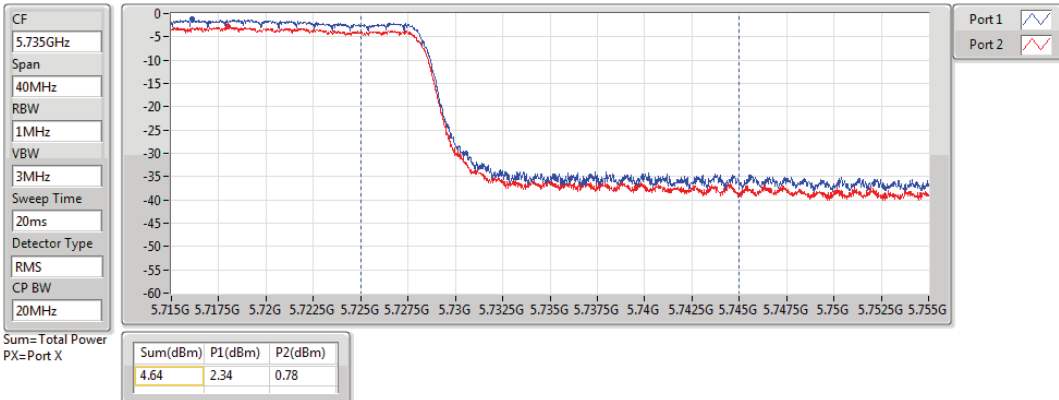


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

06/08/2020

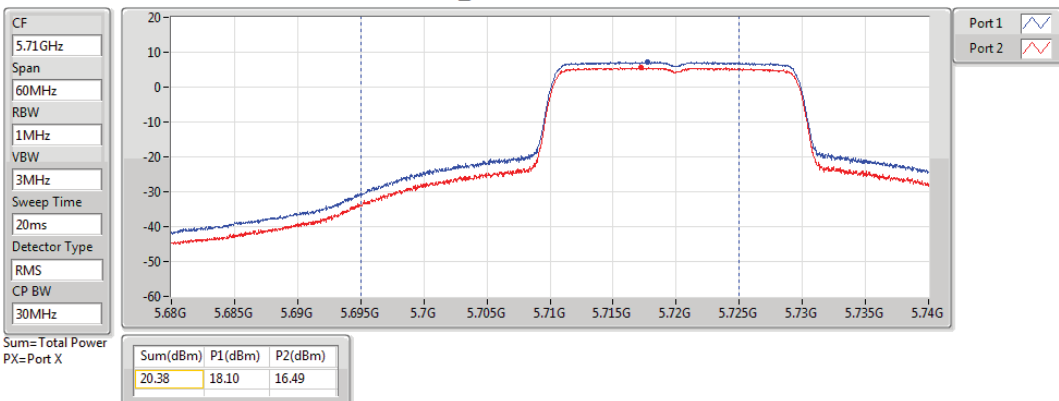


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

06/08/2020

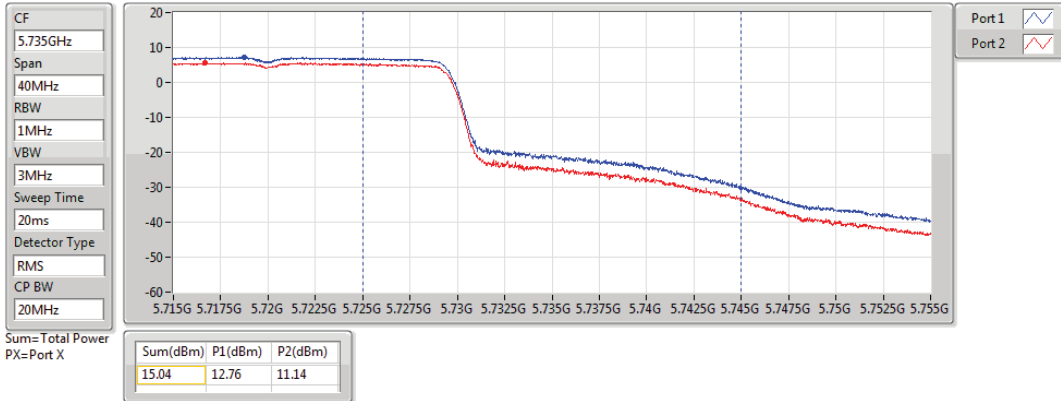


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

06/08/2020

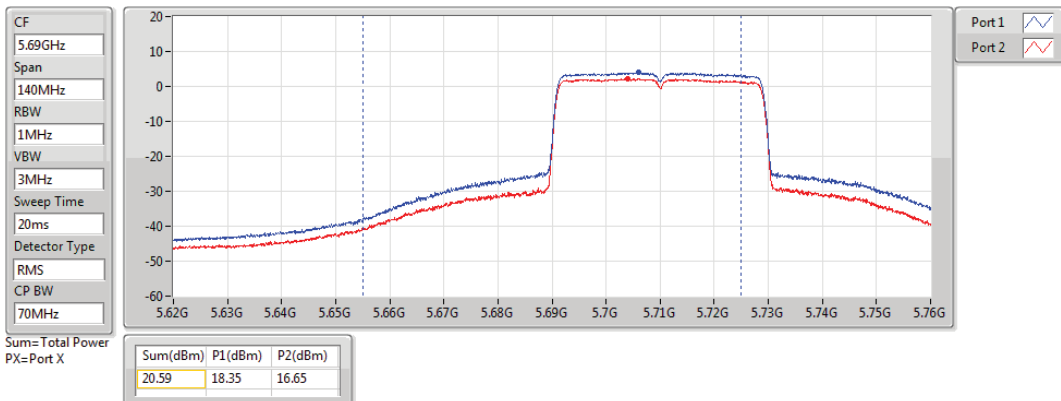


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

06/08/2020

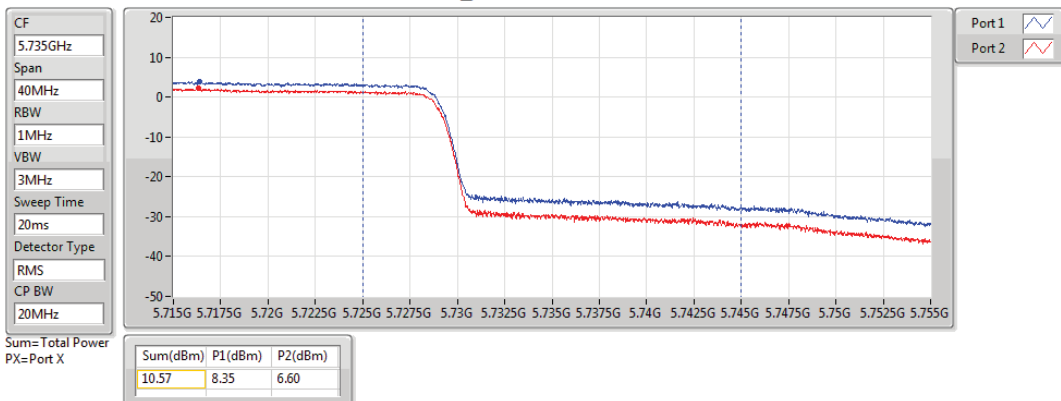


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

06/08/2020

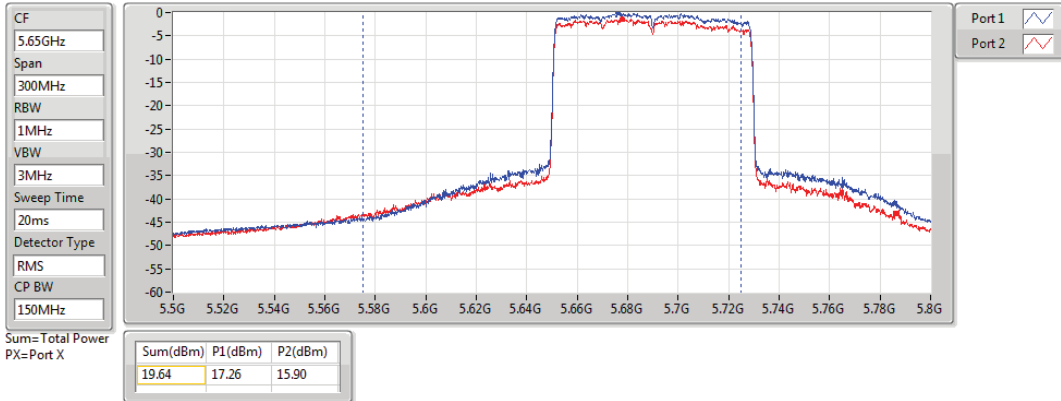


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

06/08/2020

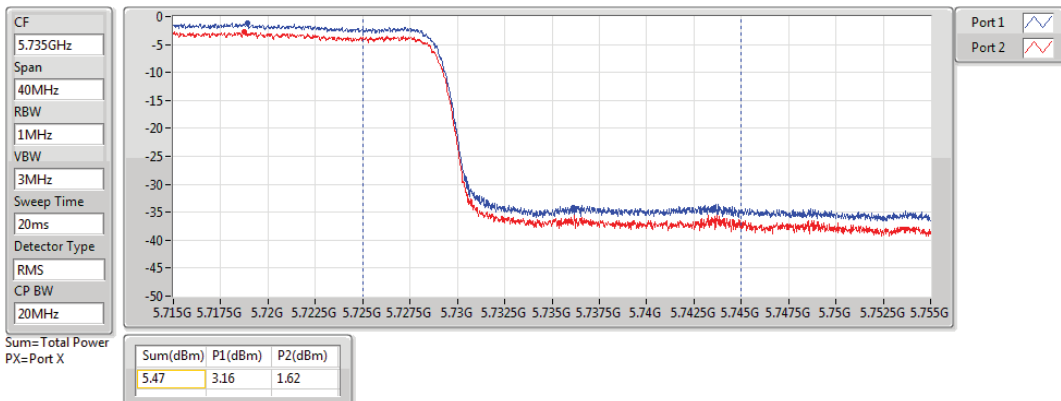


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

06/08/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.86	0.06109	26.31	0.42756
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	17.89	0.06152	26.34	0.43053
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	16.35	0.04315	24.80	0.30200
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.05	0.06383	26.50	0.44668
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	18.07	0.06412	26.52	0.44875
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.59	0.04560	25.04	0.31915
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.49	0.05610	25.94	0.39264
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	17.68	0.05861	26.13	0.41020
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	16.46	0.04426	24.91	0.30974
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	17.78	0.05998	26.23	0.41976
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	17.81	0.06039	26.26	0.42267
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.63	0.04603	25.08	0.32211
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	11.54	0.01426	19.99	0.09977
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	6.77	0.00475	15.22	0.03327
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	1.63	0.00146	10.08	0.01019
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	12.03	0.01596	20.48	0.11169
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	7.56	0.00570	16.01	0.03990
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	2.46	0.00176	10.91	0.01233

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.45	14.94	14.75	17.86	21.53	26.31	30.00
5300MHz	Pass	8.45	14.68	14.79	17.75	21.53	26.20	30.00
5320MHz	Pass	8.45	14	13.45	16.74	21.53	25.19	30.00
5500MHz	Pass	8.45	11	10.51	13.77	21.53	22.22	30.00
5580MHz	Pass	8.45	14.99	13.9	17.49	21.53	25.94	30.00
5700MHz	Pass	8.45	12.8	11.19	15.08	21.53	23.53	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.45	14.86	13.59	17.28	21.53	25.73	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.45	9.22	7.7	11.54	27.55	19.99	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.45	14.87	14.88	17.89	21.53	26.34	30.00
5310MHz	Pass	8.45	13.73	13.25	16.51	21.53	24.96	30.00
5510MHz	Pass	8.45	13.46	12.74	16.13	21.53	24.58	30.00
5550MHz	Pass	8.45	15.05	14.26	17.68	21.53	26.13	30.00
5670MHz	Pass	8.45	15.33	13.82	17.65	21.53	26.10	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.45	15.17	13.55	17.45	21.53	25.90	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.45	4.54	2.8	6.77	27.55	15.22	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.45	13.49	13.19	16.35	21.53	24.80	30.00
5530MHz	Pass	8.45	13.08	12.62	15.87	21.53	24.32	30.00
5610MHz	Pass	8.45	13.97	12.69	16.39	21.53	24.84	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.45	14.1	12.68	16.46	21.53	24.91	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.45	-0.67	-2.23	1.63	27.55	10.08	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.45	15.04	15.03	18.05	21.53	26.50	30.00
5300MHz	Pass	8.45	15.03	14.95	18.00	21.53	26.45	30.00
5320MHz	Pass	8.45	14.15	13.57	16.88	21.53	25.33	30.00
5500MHz	Pass	8.45	11.51	10.02	13.84	21.53	22.29	30.00
5580MHz	Pass	8.45	15.26	14.21	17.78	21.53	26.23	30.00
5700MHz	Pass	8.45	13.06	11.52	15.37	21.53	23.82	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.45	15.09	13.48	17.37	21.53	25.82	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.45	9.75	8.13	12.03	27.55	20.48	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.45	15.08	15.03	18.07	21.53	26.52	30.00
5310MHz	Pass	8.45	13.88	13.53	16.72	21.53	25.17	30.00
5510MHz	Pass	8.45	13.65	13.07	16.38	21.53	24.83	30.00
5550MHz	Pass	8.45	15.12	14.46	17.81	21.53	26.26	30.00
5670MHz	Pass	8.45	15.44	13.97	17.78	21.53	26.23	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.45	15.34	13.64	17.58	21.53	26.03	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.45	5.34	3.59	7.56	27.55	16.01	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.45	13.75	13.4	16.59	21.53	25.04	30.00
5530MHz	Pass	8.45	13.38	12.95	16.18	21.53	24.63	30.00
5610MHz	Pass	8.45	14.09	13.05	16.61	21.53	25.06	30.00



Average Power_Beamforming_Radio 3

Appendix B.6

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5690MHz Straddle 5.47-5.725GHz	Pass	8.45	14.25	12.89	16.63	21.53	25.08	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.45	0.15	-1.39	2.46	27.55	10.91	36.00

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

**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.06	16.87
802.11ac VHT20_Nss1,(MCS0)_2TX	8.25	16.06
802.11ac VHT40_Nss1,(MCS0)_2TX	4.54	12.35
802.11ac VHT80_Nss1,(MCS0)_2TX	1.06	8.87
802.11ax HEW20_Nss1,(MCS0)_2TX	8.3	16.11
802.11ax HEW40_Nss1,(MCS0)_2TX	4.69	12.50
802.11ax HEW80_Nss1,(MCS0)_2TX	1.31	9.12
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.31	15.12
802.11ac VHT20_Nss1,(MCS0)_2TX	6.52	14.33
802.11ac VHT40_Nss1,(MCS0)_2TX	2.56	10.37
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.59	6.22
802.11ax HEW20_Nss1,(MCS0)_2TX	6.55	14.36
802.11ax HEW40_Nss1,(MCS0)_2TX	2.72	10.53
802.11ax HEW80_Nss1,(MCS0)_2TX	-1.28	6.53

RBW = 500 kHz 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	-	-	-	-	-	-	-	-
5500MHz	Pass	7.81	4.99	4.43	7.68	9.19	15.49	17.00
5580MHz	Pass	7.81	6.42	5.72	9.06	9.19	16.87	17.00
5700MHz	Pass	7.81	6.37	5.63	8.99	9.19	16.80	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.81	6.38	5.79	9.03	9.19	16.84	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.81	4.6	4.08	7.31	28.19	15.12	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5500MHz	Pass	7.81	4.62	3.78	7.19	9.19	15.00	17.00
5580MHz	Pass	7.81	4.72	3.83	7.25	9.19	15.06	17.00
5700MHz	Pass	7.81	4.56	3.89	7.18	9.19	14.99	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.81	5.58	5.07	8.25	9.19	16.06	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.81	3.88	3.26	6.52	28.19	14.33	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5510MHz	Pass	7.81	1.6	0.99	4.27	9.19	12.08	17.00
5550MHz	Pass	7.81	1.88	1.07	4.47	9.19	12.28	17.00
5670MHz	Pass	7.81	1.79	0.96	4.35	9.19	12.16	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.81	1.82	1.36	4.54	9.19	12.35	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.81	-0.11	-0.74	2.56	28.19	10.37	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5530MHz	Pass	7.81	-1.59	-2.17	1.03	9.19	8.84	17.00
5610MHz	Pass	7.81	-1.95	-2.15	0.85	9.19	8.66	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.81	-1.66	-2.22	1.06	9.19	8.87	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.81	-4.45	-4.59	-1.59	28.19	6.22	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5500MHz	Pass	7.81	4.74	3.92	7.32	9.19	15.13	17.00
5580MHz	Pass	7.81	4.86	3.76	7.29	9.19	15.10	17.00
5700MHz	Pass	7.81	4.52	3.94	7.22	9.19	15.03	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.81	5.66	5.02	8.30	9.19	16.11	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.81	3.86	3.27	6.55	28.19	14.36	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5510MHz	Pass	7.81	1.83	1.08	4.41	9.19	12.22	17.00
5550MHz	Pass	7.81	2.19	1.05	4.67	9.19	12.48	17.00
5670MHz	Pass	7.81	1.82	0.94	4.37	9.19	12.18	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.81	2.11	1.32	4.69	9.19	12.50	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.81	0	-0.61	2.72	28.19	10.53	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5530MHz	Pass	7.81	-1.49	-1.89	1.31	9.19	9.12	17.00
5610MHz	Pass	7.81	-1.8	-2.17	0.98	9.19	8.79	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.81	-1.53	-2.06	1.08	9.19	8.89	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.81	-4.16	-4.43	-1.28	28.19	6.53	36.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

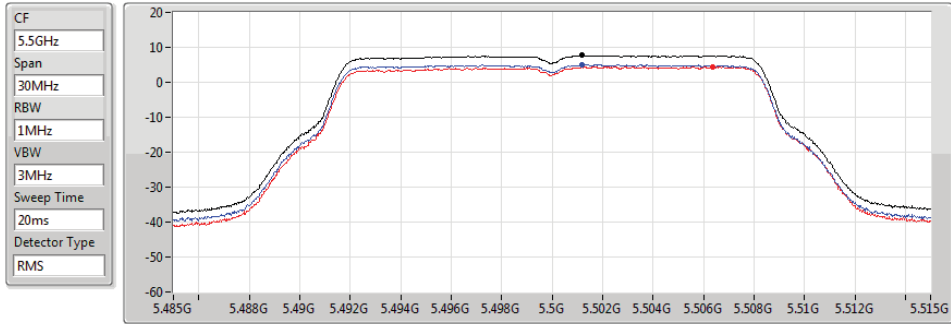
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

13/08/2020



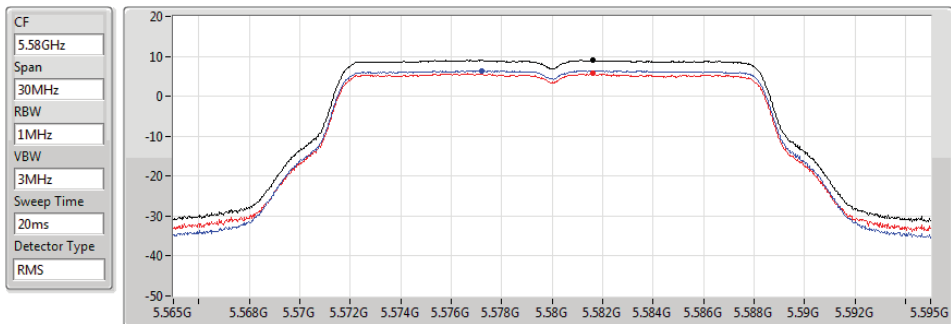
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.68	7.68	4.99	4.43

802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

05/08/2020



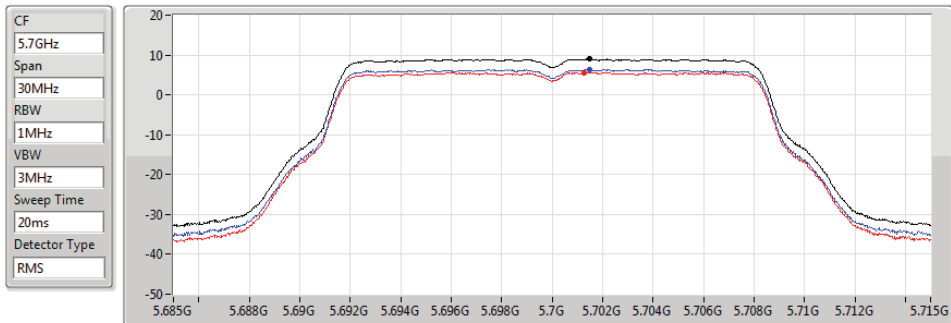
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.06	9.06	6.42	5.72

802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

05/08/2020



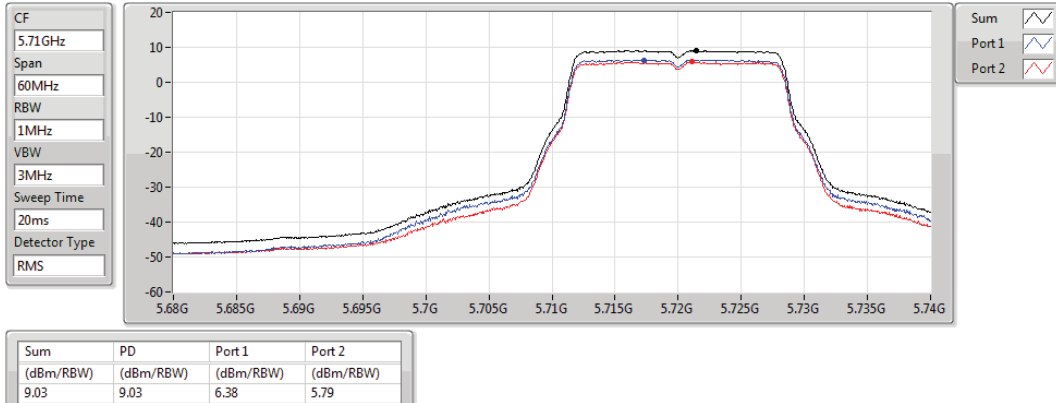
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.99	8.99	6.37	5.63

802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

05/08/2020

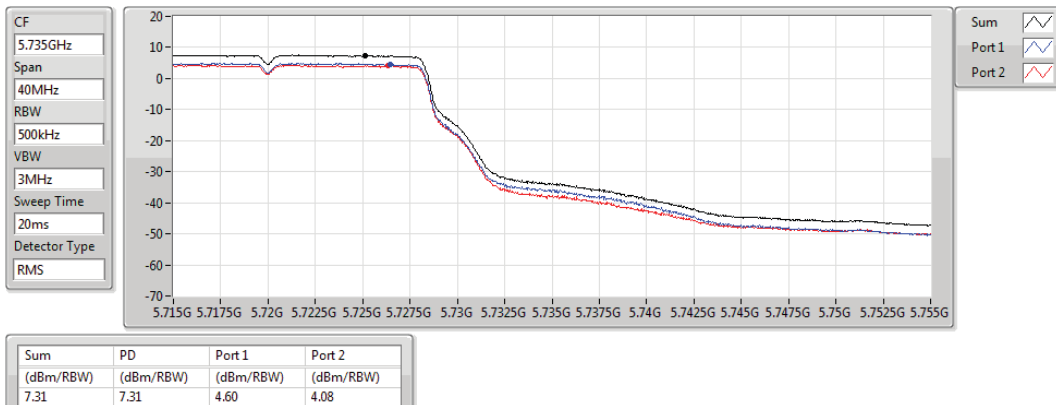


802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

05/08/2020

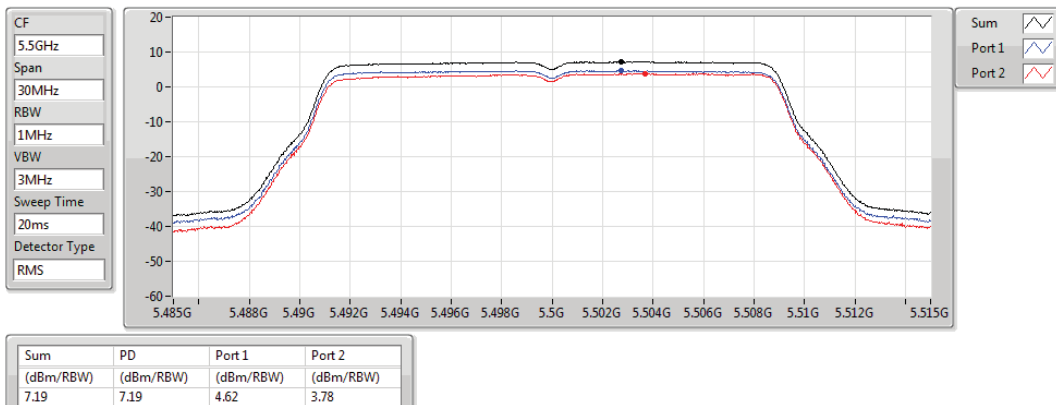


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5500MHz

05/08/2020

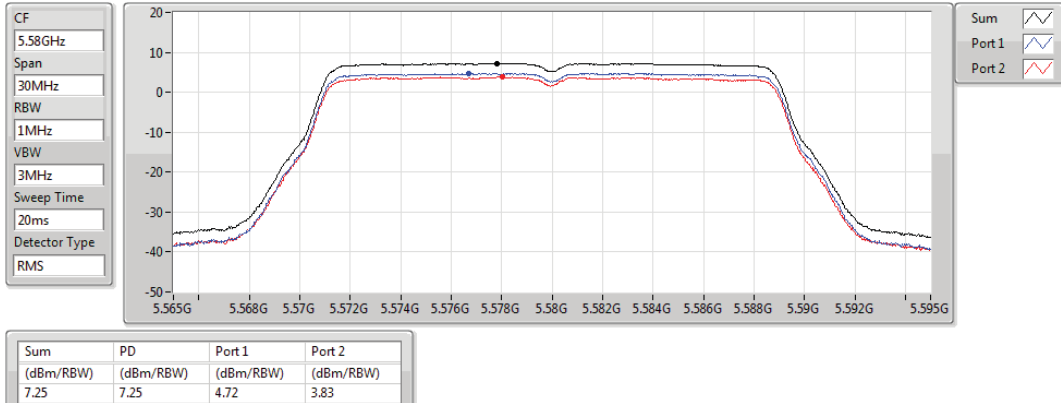


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5580MHz

05/08/2020

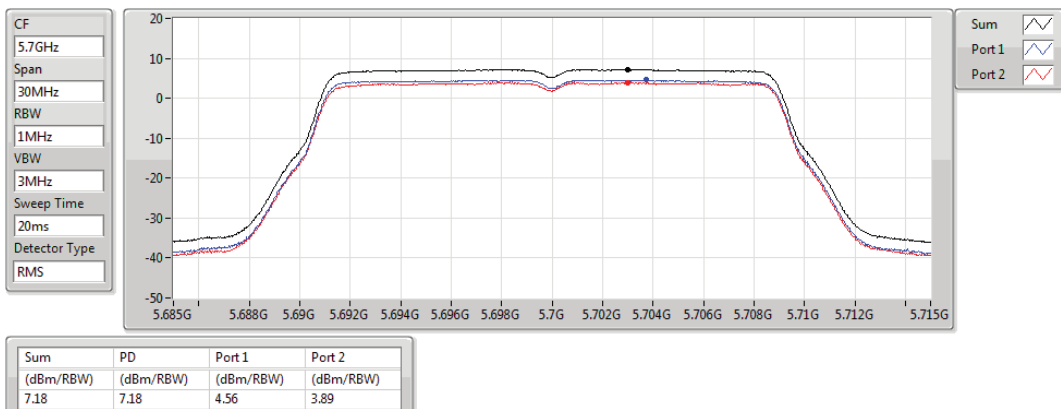


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5700MHz

05/08/2020

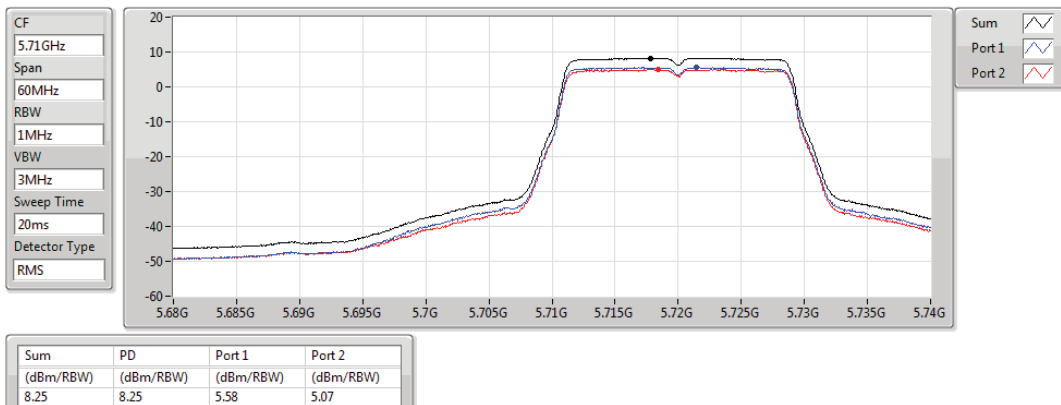


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

05/08/2020

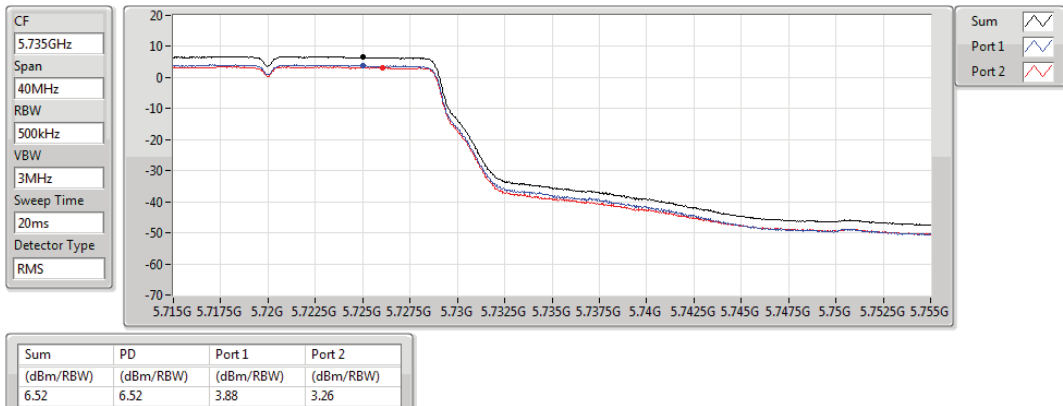


802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

05/08/2020

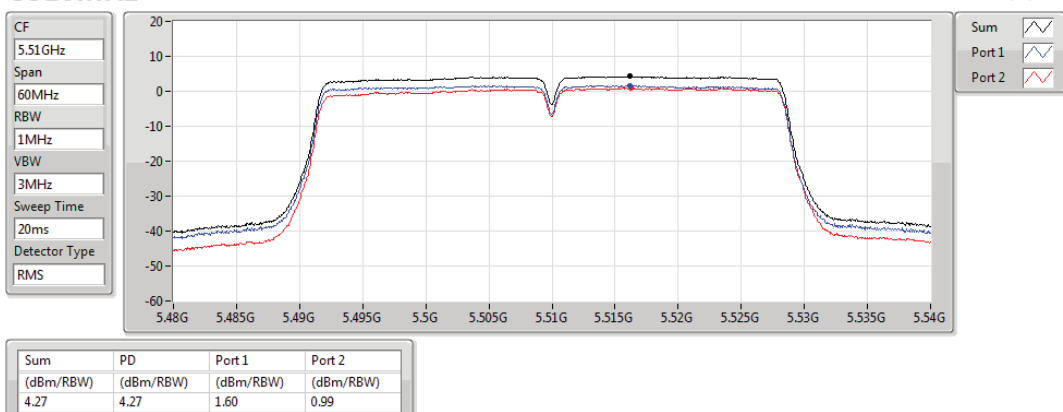


802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz

PSD

05/08/2020

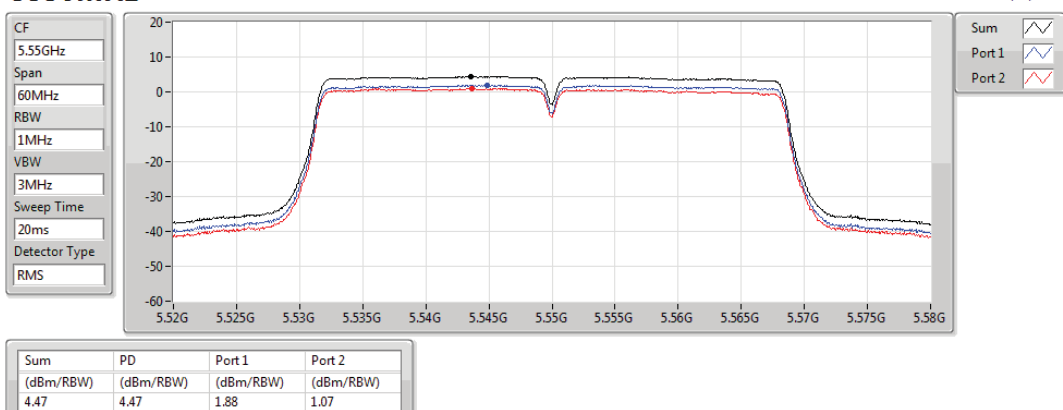


802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz

PSD

05/08/2020

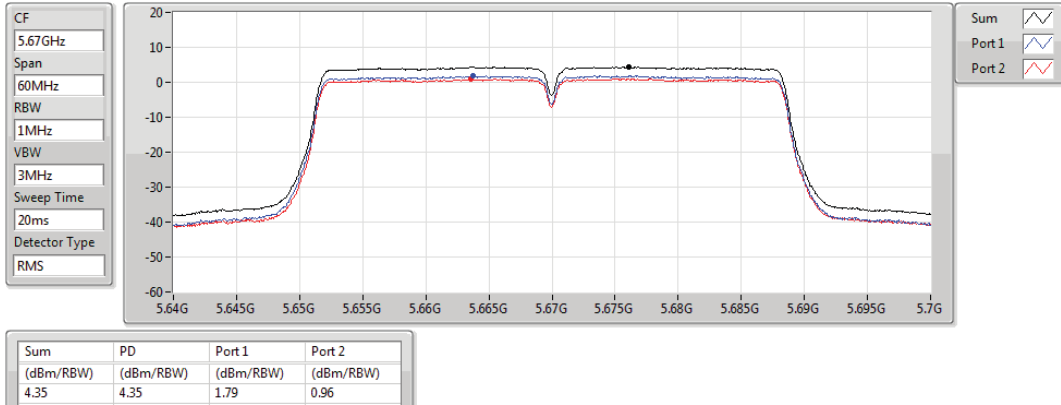


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5670MHz

05/08/2020

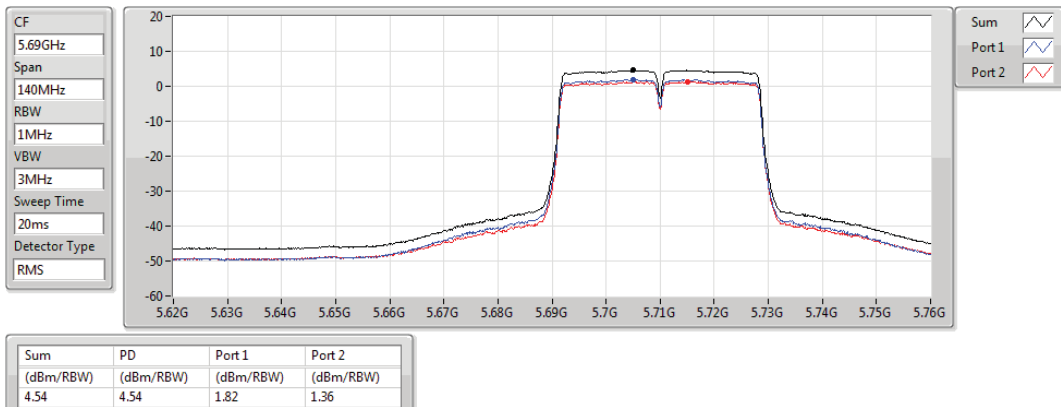


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

05/08/2020

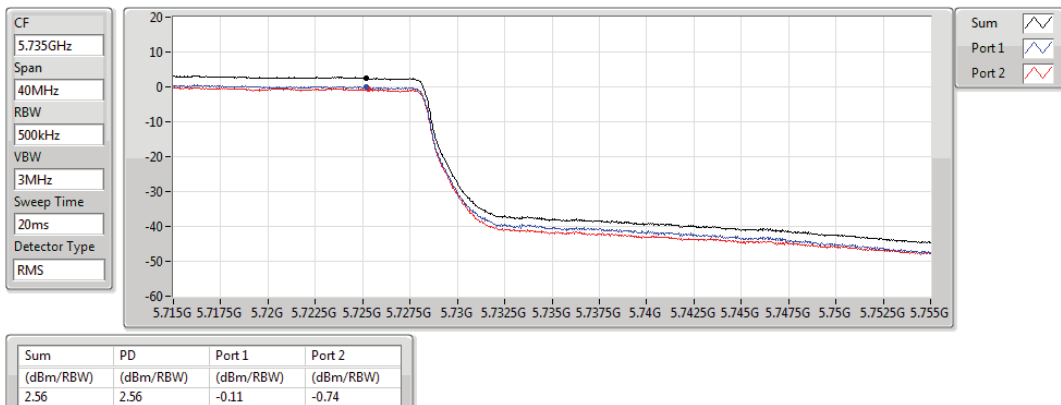


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

05/08/2020

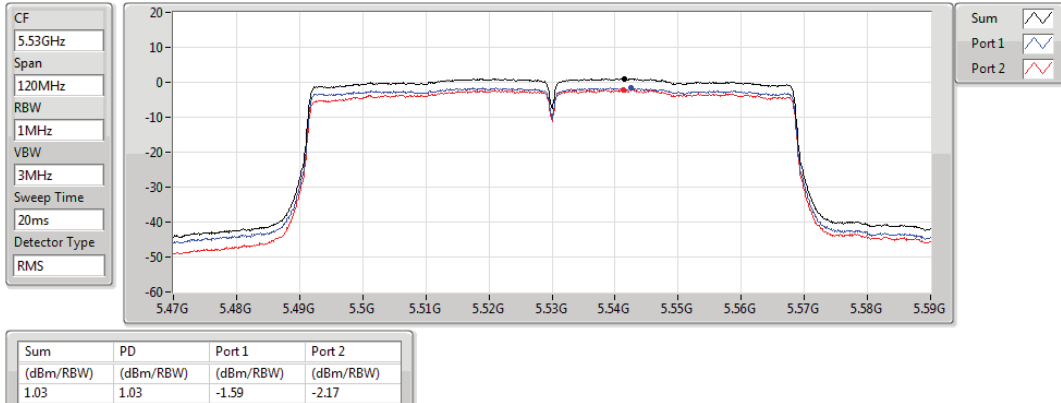


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

05/08/2020

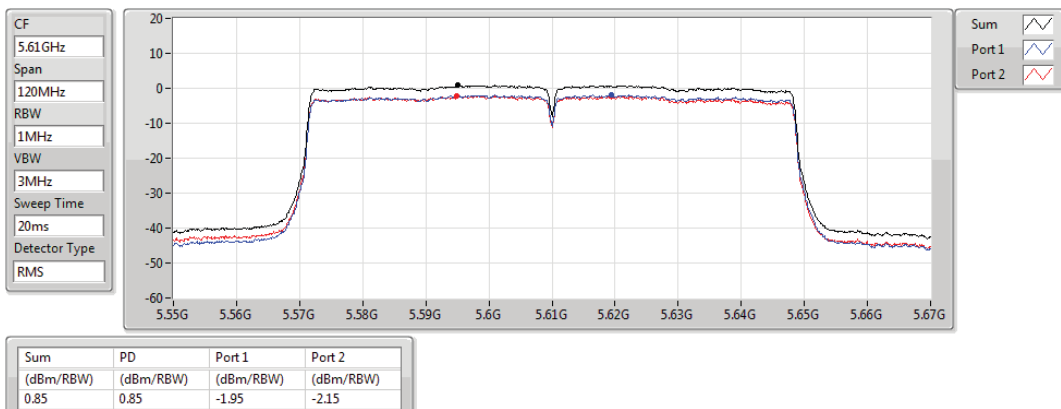


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5610MHz

05/08/2020

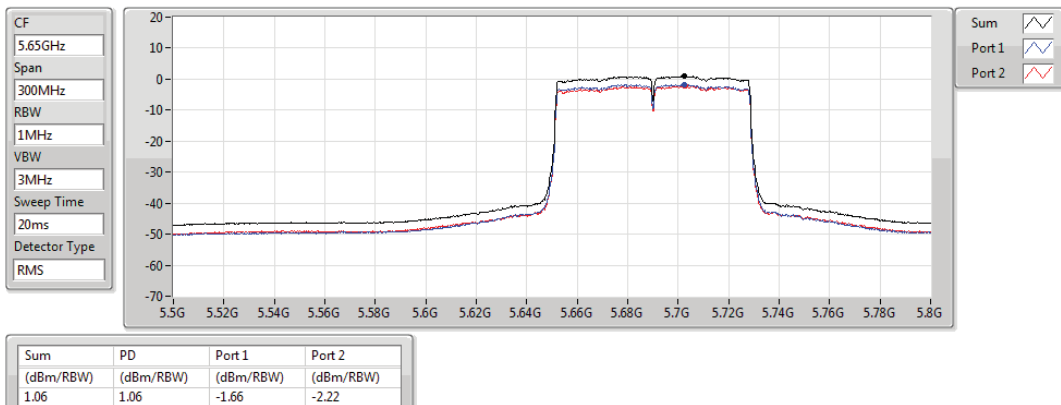


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

05/08/2020

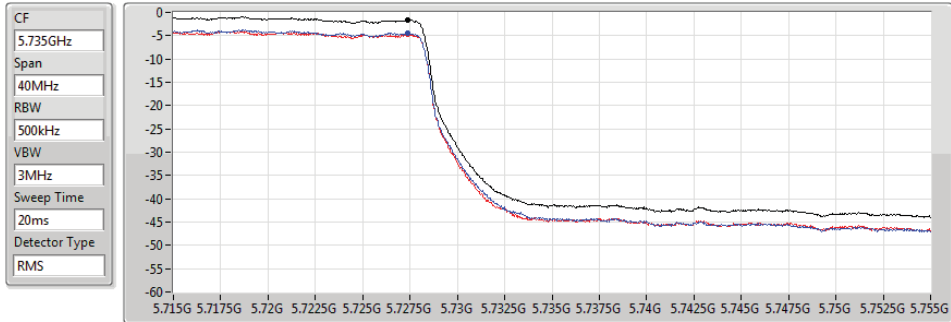


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

05/08/2020



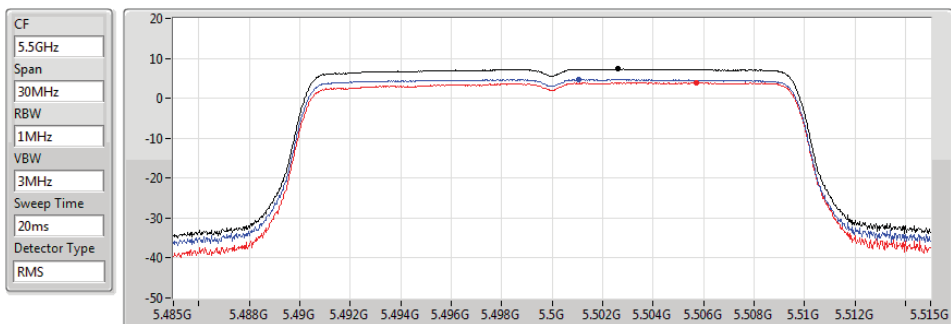
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.59	-1.59	-4.45	-4.59

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5500MHz

05/08/2020



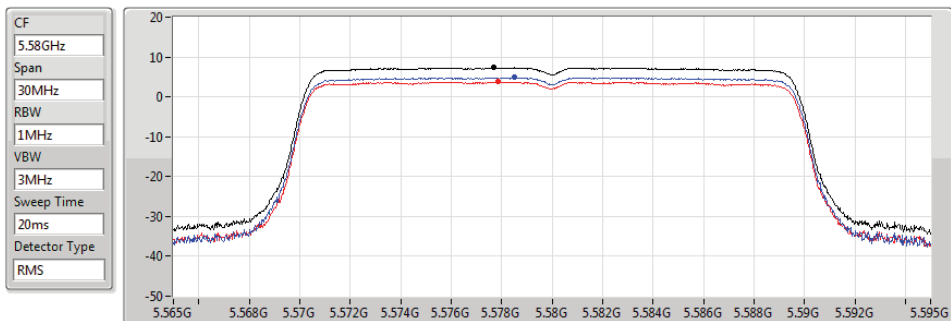
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.32	7.32	4.74	3.92

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5580MHz

05/08/2020



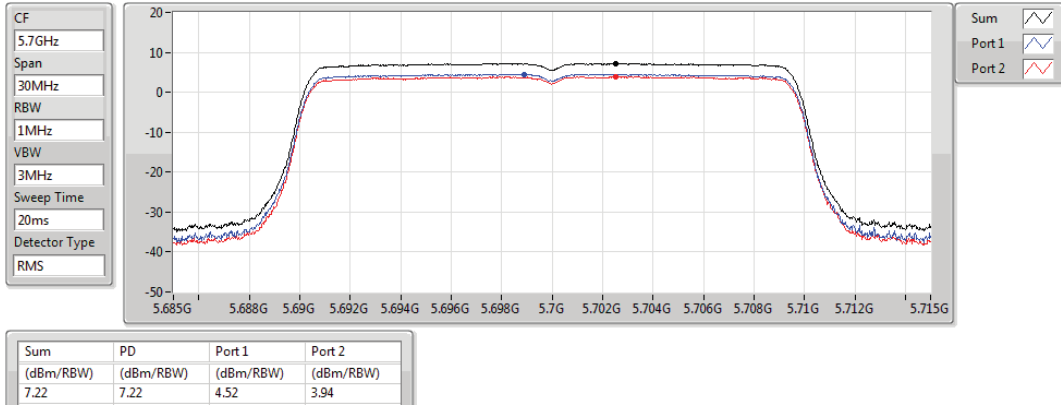
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.29	7.29	4.86	3.76

802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz

PSD

05/08/2020

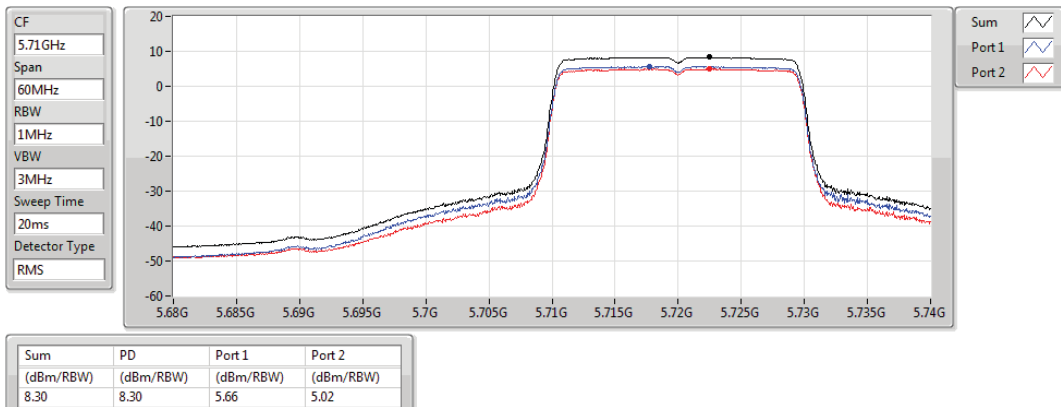


802.11ax HEW20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz

PSD

05/08/2020

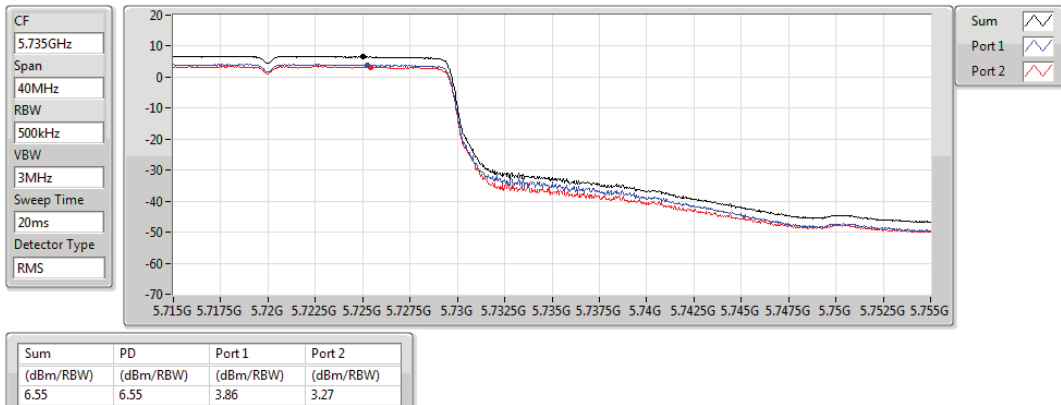


802.11ax HEW20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

05/08/2020

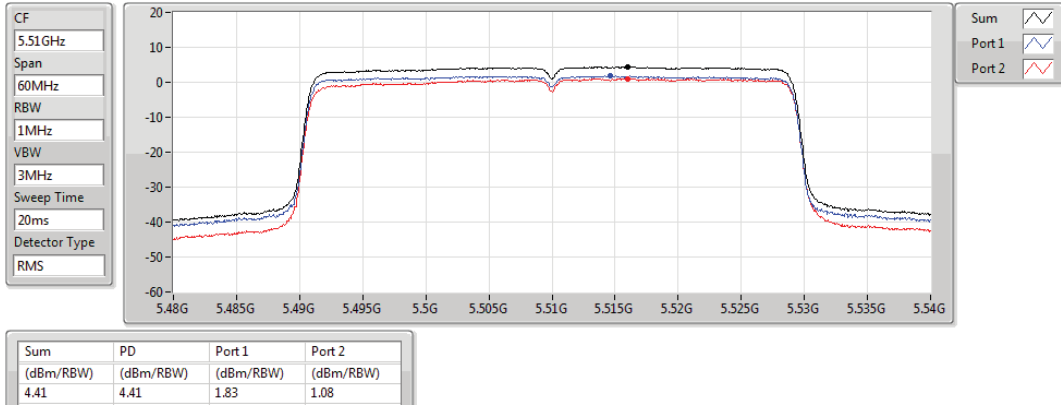


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5510MHz

05/08/2020

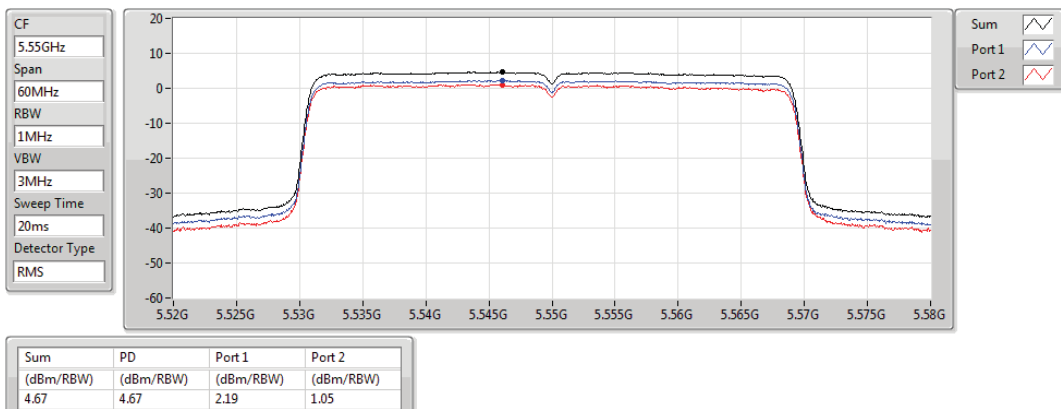


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5550MHz

05/08/2020

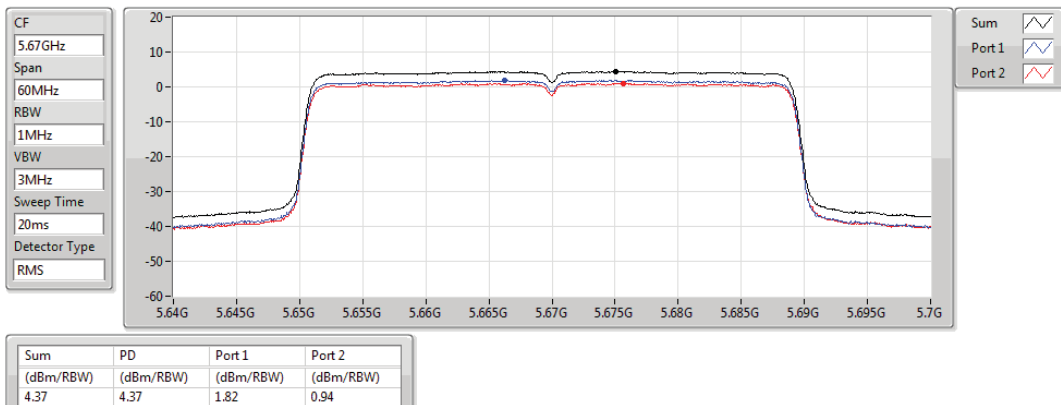


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5670MHz

05/08/2020

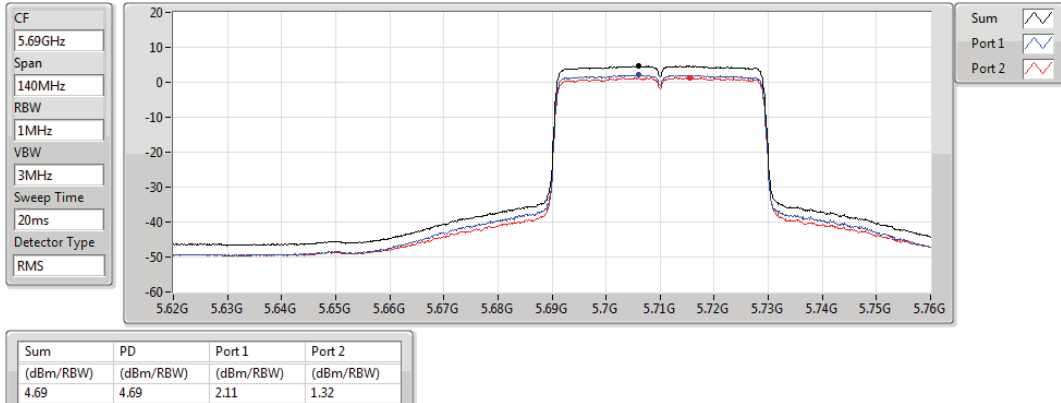


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

05/08/2020

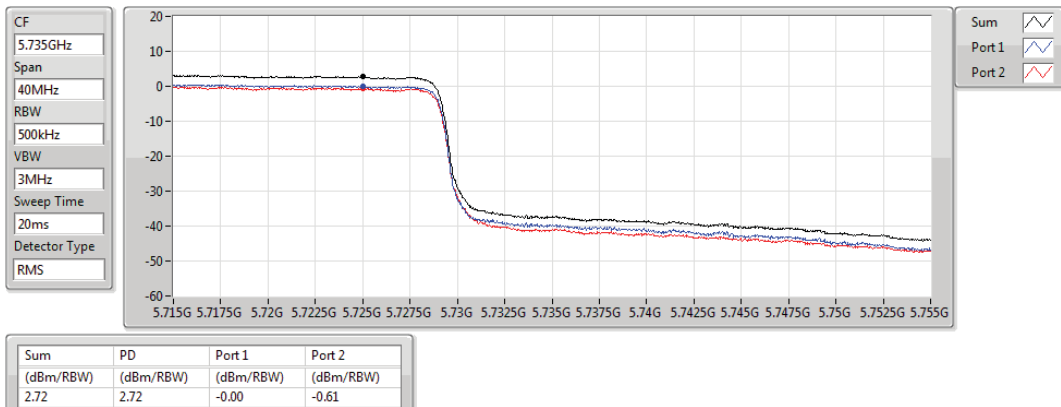


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

05/08/2020

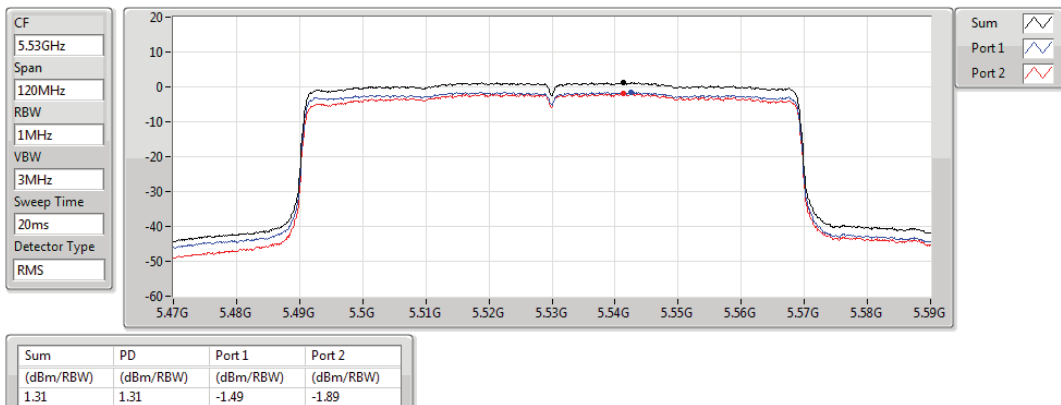


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5530MHz

05/08/2020

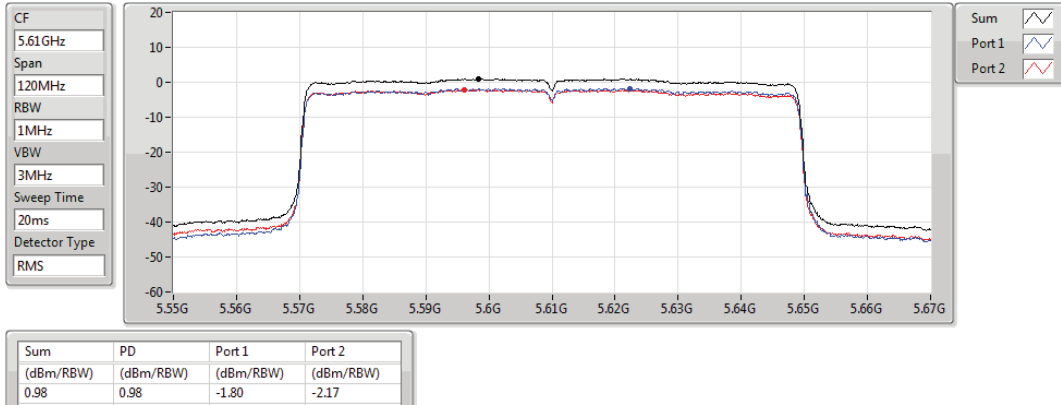


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5610MHz

05/08/2020

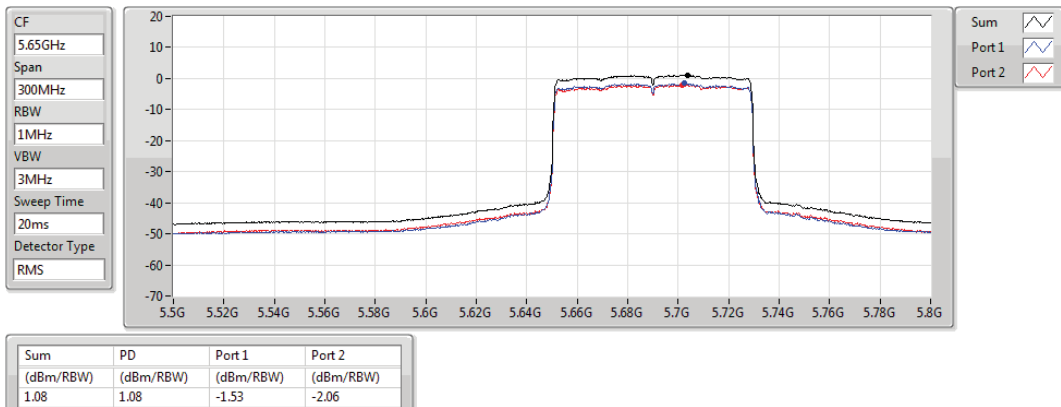


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

05/08/2020

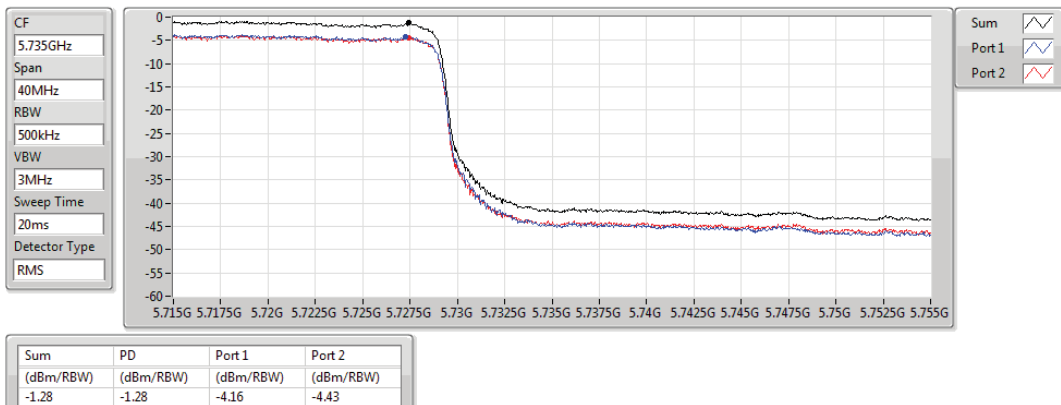


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

05/08/2020



**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.17	16.67
802.11ac VHT20_Nss1,(MCS0)_2TX	6.55	15.05
802.11ac VHT40_Nss1,(MCS0)_2TX	3.95	12.45
802.11ac VHT80_Nss1,(MCS0)_2TX	0.37	8.87
802.11ax HEW20_Nss1,(MCS0)_2TX	6.63	15.13
802.11ax HEW40_Nss1,(MCS0)_2TX	3.87	12.37
802.11ax HEW80_Nss1,(MCS0)_2TX	0.50	9.00
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.35	16.85
802.11ac VHT20_Nss1,(MCS0)_2TX	8.28	16.78
802.11ac VHT40_Nss1,(MCS0)_2TX	4.91	13.41
802.11ac VHT80_Nss1,(MCS0)_2TX	1.02	9.52
802.11ax HEW20_Nss1,(MCS0)_2TX	8.14	16.64
802.11ax HEW40_Nss1,(MCS0)_2TX	5.01	13.51
802.11ax HEW80_Nss1,(MCS0)_2TX	1.28	9.78
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	6.67	15.17
802.11ac VHT20_Nss1,(MCS0)_2TX	6.60	15.10
802.11ac VHT40_Nss1,(MCS0)_2TX	2.97	11.47
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.55	6.95
802.11ax HEW20_Nss1,(MCS0)_2TX	6.56	15.06
802.11ax HEW40_Nss1,(MCS0)_2TX	3.17	11.67
802.11ax HEW80_Nss1,(MCS0)_2TX	-1.11	7.39

RBW = 500 kHz 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	-	-	-	-	-	-	-	-
5260MHz	Pass	8.50	5.38	4.94	8.17	8.50	16.67	17.00
5300MHz	Pass	8.50	5.26	4.80	7.94	8.50	16.44	17.00
5320MHz	Pass	8.50	5.27	4.84	8.01	8.50	16.51	17.00
5500MHz	Pass	8.50	3.37	3.81	6.46	8.50	14.96	17.00
5580MHz	Pass	8.50	5.39	5.38	8.33	8.50	16.83	17.00
5700MHz	Pass	8.50	4.74	4.27	7.36	8.50	15.86	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.50	5.72	5.20	8.35	8.50	16.85	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.50	3.91	3.57	6.67	27.50	15.17	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.50	3.80	3.36	6.54	8.50	15.04	17.00
5300MHz	Pass	8.50	3.59	3.31	6.41	8.50	14.91	17.00
5320MHz	Pass	8.50	3.77	3.49	6.55	8.50	15.05	17.00
5500MHz	Pass	8.50	3.81	4.38	6.99	8.50	15.49	17.00
5580MHz	Pass	8.50	3.77	3.92	6.78	8.50	15.28	17.00
5700MHz	Pass	8.50	1.44	0.89	4.16	8.50	12.66	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.50	5.54	4.98	8.28	8.50	16.78	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.50	3.98	3.30	6.60	27.50	15.10	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.50	1.24	0.62	3.95	8.50	12.45	17.00
5310MHz	Pass	8.50	0.53	0.01	3.22	8.50	11.72	17.00
5510MHz	Pass	8.50	-0.20	-0.18	2.76	8.50	11.26	17.00
5550MHz	Pass	8.50	1.17	0.99	4.01	8.50	12.51	17.00
5670MHz	Pass	8.50	1.20	0.44	3.76	8.50	12.26	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.50	2.14	1.95	4.91	8.50	13.41	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.50	0.16	-0.17	2.97	27.50	11.47	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.50	-2.30	-2.69	0.37	8.50	8.87	17.00
5530MHz	Pass	8.50	-3.55	-3.20	-0.50	8.50	8.00	17.00
5610MHz	Pass	8.50	-2.51	-3.06	0.23	8.50	8.73	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.50	-1.83	-2.16	1.02	8.50	9.52	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.50	-4.46	-4.54	-1.55	27.50	6.95	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.50	3.85	3.48	6.61	8.50	15.11	17.00
5300MHz	Pass	8.50	3.89	3.41	6.63	8.50	15.13	17.00
5320MHz	Pass	8.50	3.68	3.23	6.41	8.50	14.91	17.00
5500MHz	Pass	8.50	3.92	4.36	7.07	8.50	15.57	17.00
5580MHz	Pass	8.50	3.78	3.89	6.79	8.50	15.29	17.00
5700MHz	Pass	8.50	1.51	0.94	4.21	8.50	12.71	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.50	5.42	4.92	8.14	8.50	16.64	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.50	3.82	3.38	6.56	27.50	15.06	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.50	1.31	0.66	3.87	8.50	12.37	17.00
5310MHz	Pass	8.50	0.53	-0.07	3.21	8.50	11.71	17.00

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)
5510MHz	Pass	8.50	-0.18	-0.16	2.68	8.50	11.18	17.00
5550MHz	Pass	8.50	1.09	1.00	3.95	8.50	12.45	17.00
5670MHz	Pass	8.50	1.25	0.39	3.83	8.50	12.33	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.50	2.30	1.79	5.01	8.50	13.51	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.50	0.55	-0.06	3.17	27.50	11.67	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.50	-2.28	-2.50	0.50	8.50	9.00	17.00
5530MHz	Pass	8.50	-3.43	-3.14	-0.42	8.50	8.08	17.00
5610MHz	Pass	8.50	-2.22	-2.83	0.35	8.50	8.85	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.50	-1.64	-1.82	1.28	8.50	9.78	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.50	-3.99	-4.18	-1.11	27.50	7.39	36.00

DG = Directional Gain; **RBW** = 500 kHz 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;

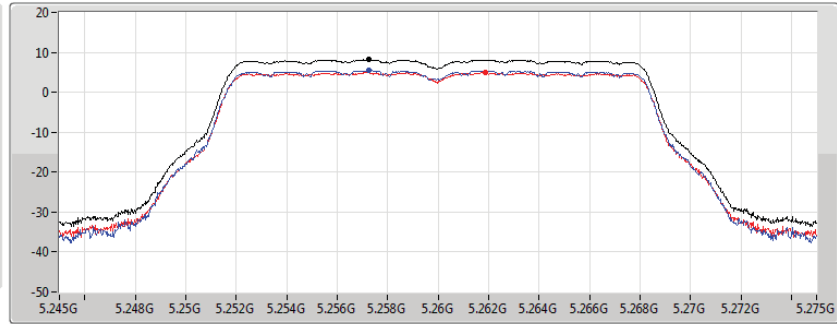
802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

06/08/2020

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/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.17	8.17	5.38	4.94

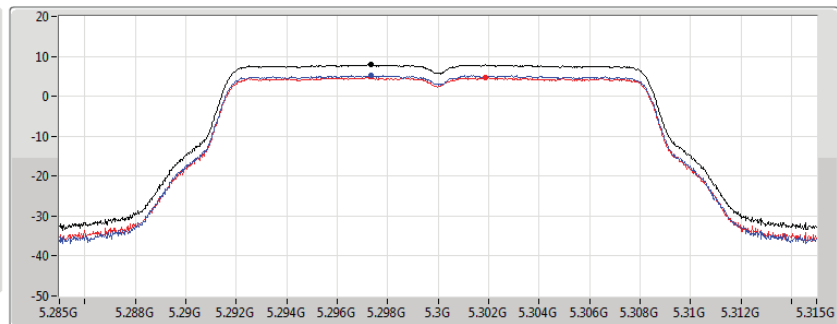
802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

06/08/2020

CF
5.3GHz
Span
30MHz
RBW
1MHz
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)
7.94	7.94	5.26	4.80

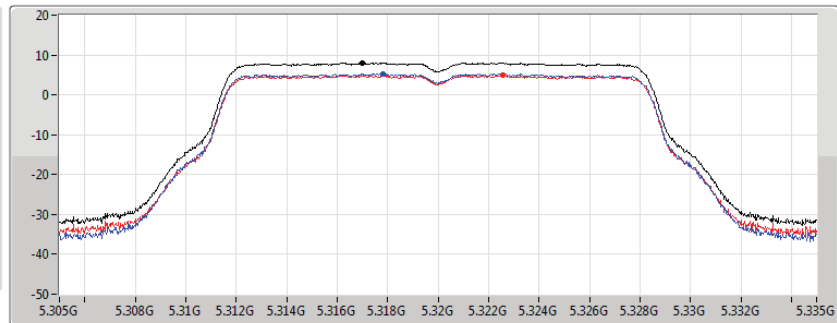
802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

06/08/2020

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

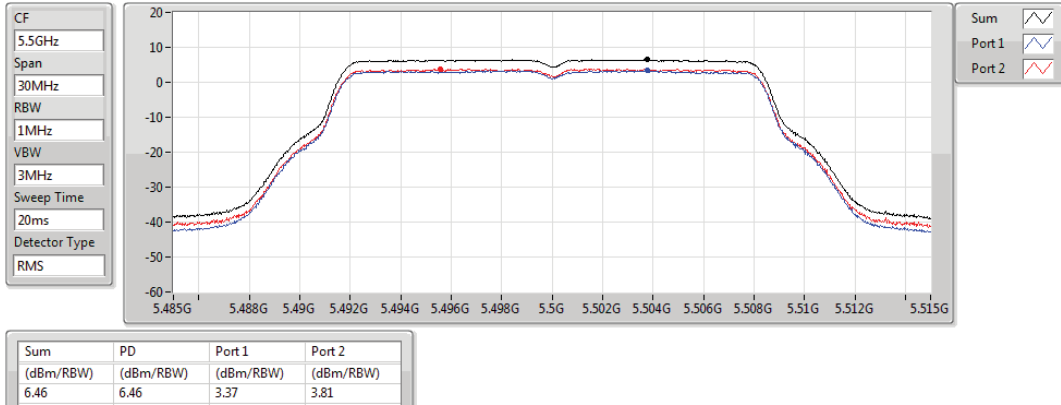
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.01	8.01	5.27	4.84

802.11a_Nss1,(6Mbps)_2TX

5500MHz

PSD

14/08/2020

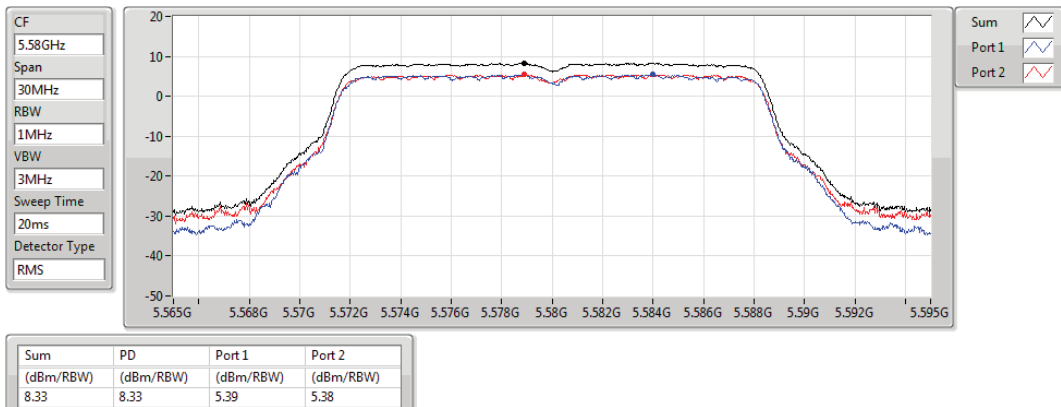


802.11a_Nss1,(6Mbps)_2TX

5580MHz

PSD

06/08/2020

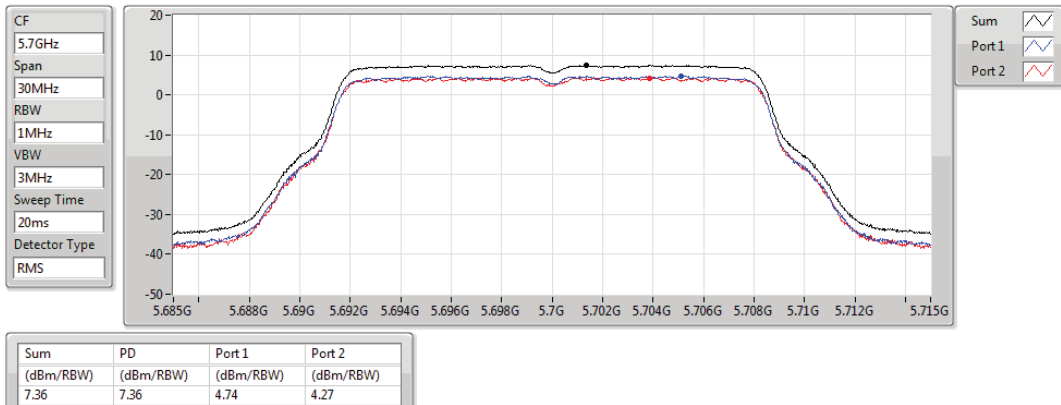


802.11a_Nss1,(6Mbps)_2TX

5700MHz

PSD

14/08/2020

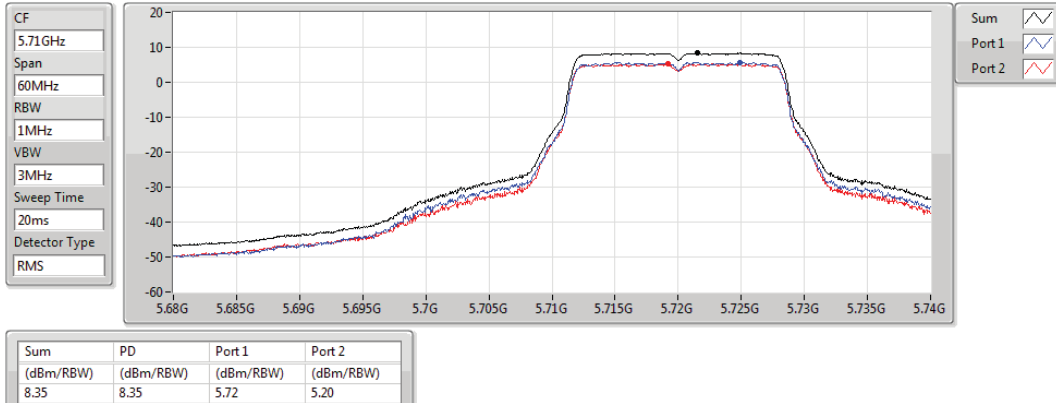


802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

06/08/2020

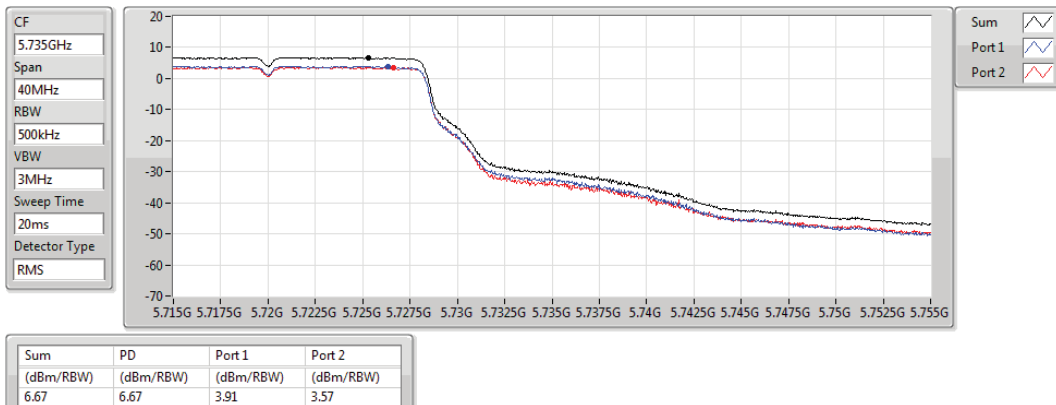


802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

06/08/2020

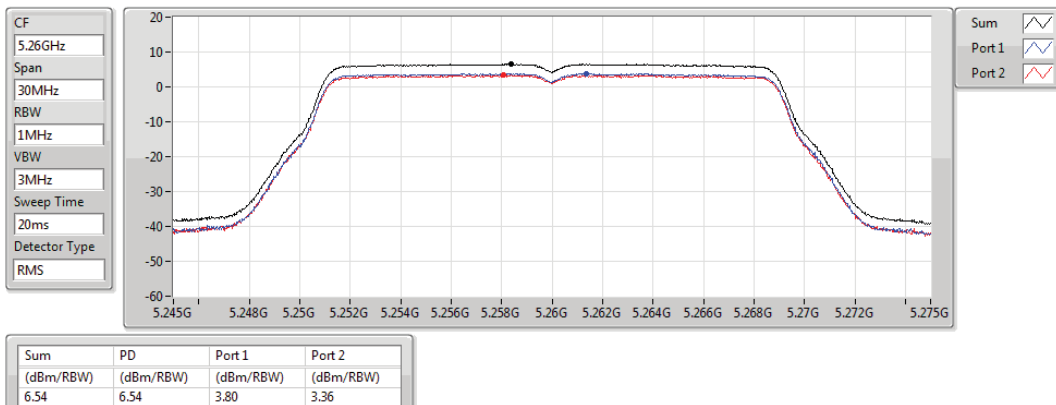


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5260MHz

06/08/2020

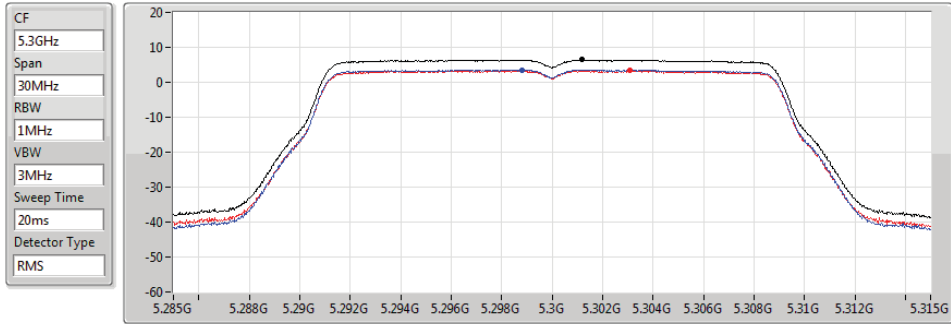


802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

PSD

06/08/2020



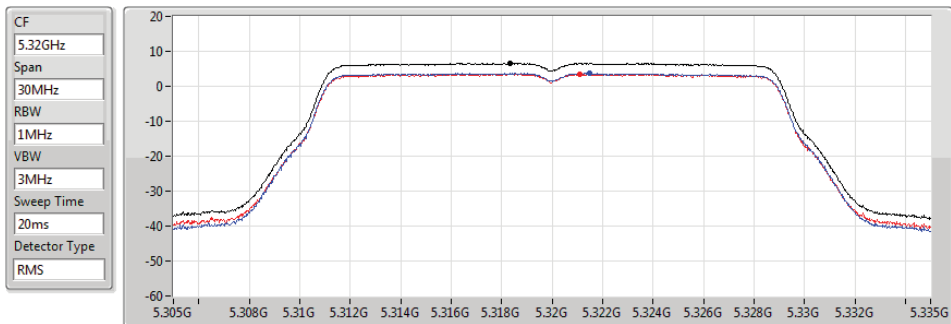
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.41	6.41	3.59	3.31

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

PSD

06/08/2020



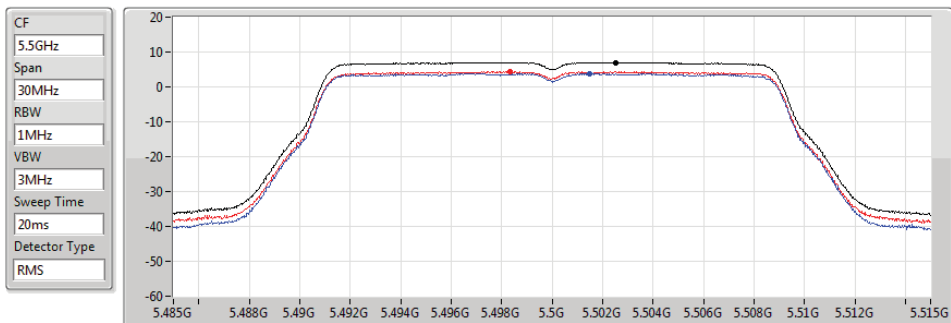
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.55	6.55	3.77	3.49

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz

PSD

14/08/2020



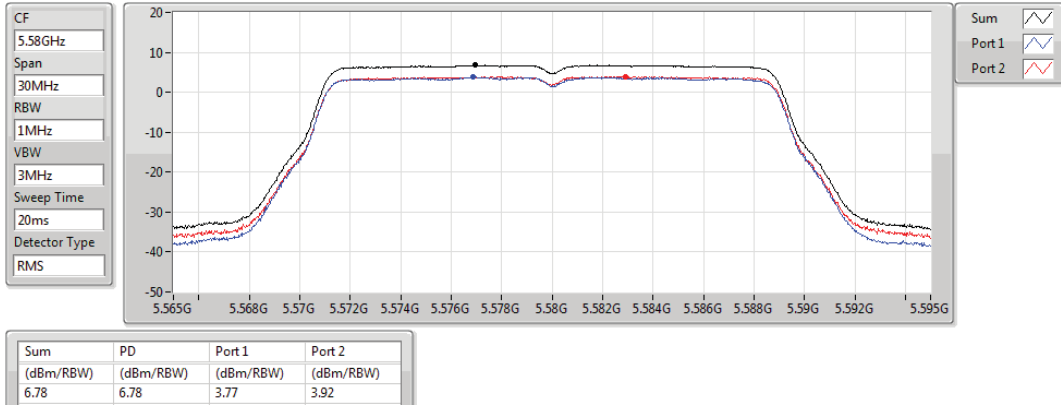
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.99	6.99	3.81	4.38

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz

PSD

07/08/2020

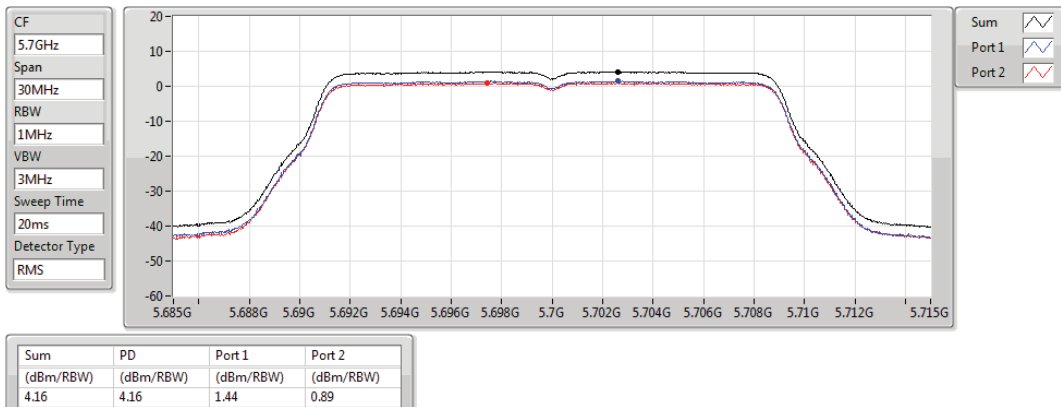


802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz

PSD

14/08/2020

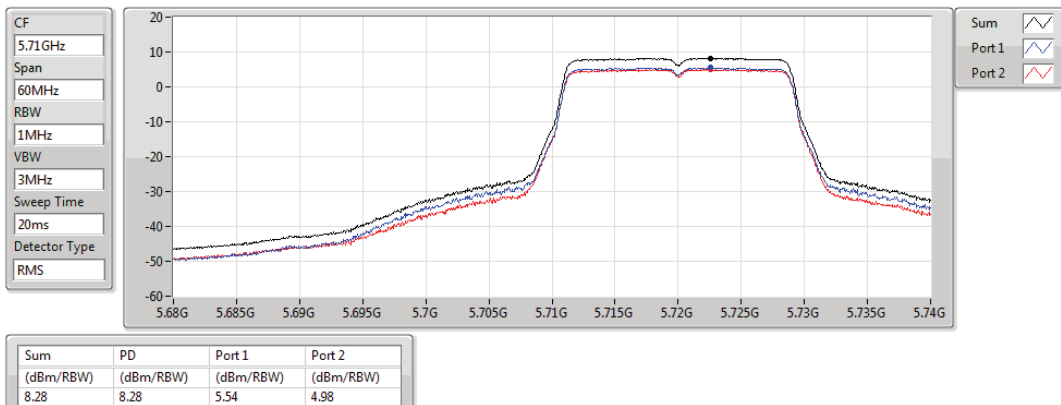


802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz

PSD

07/08/2020

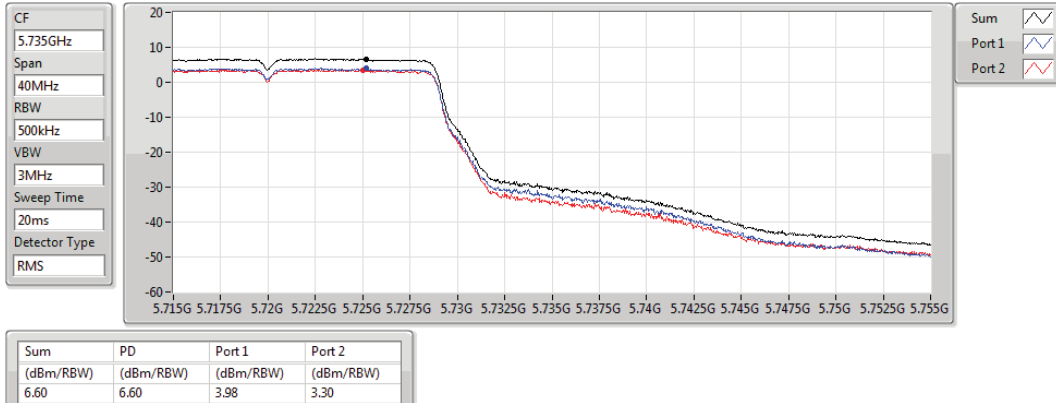


802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

07/08/2020

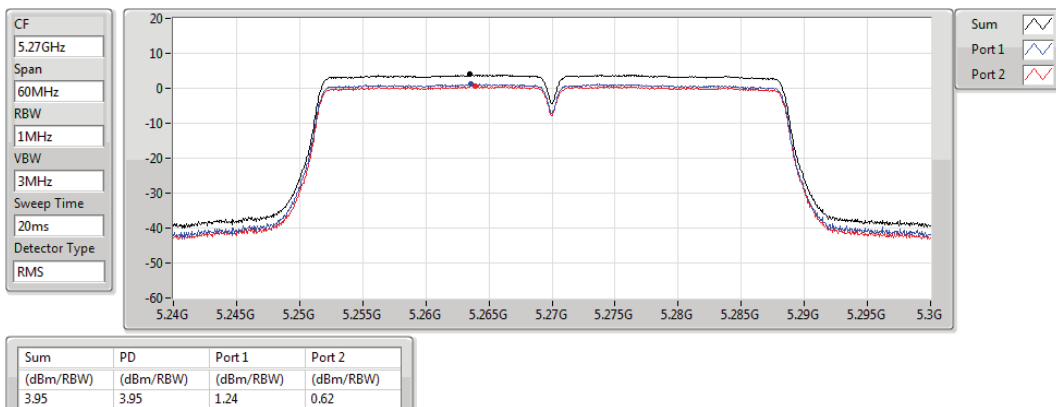


802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz

PSD

07/08/2020

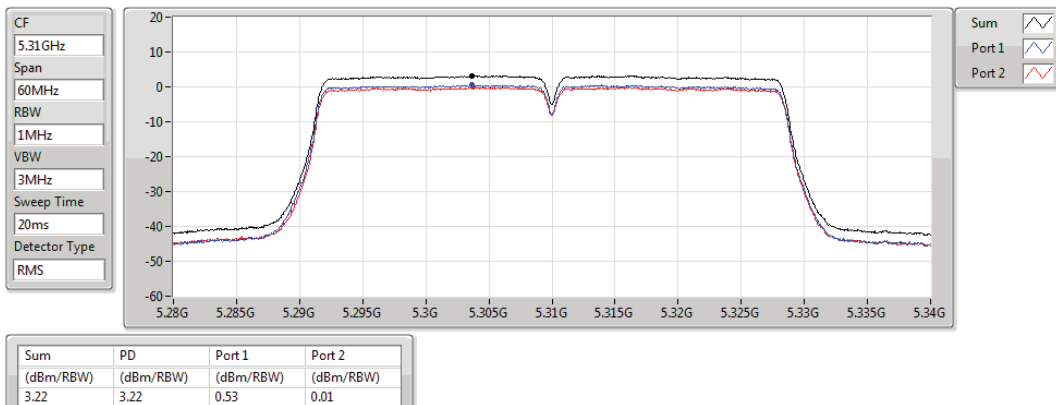


802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz

PSD

14/08/2020

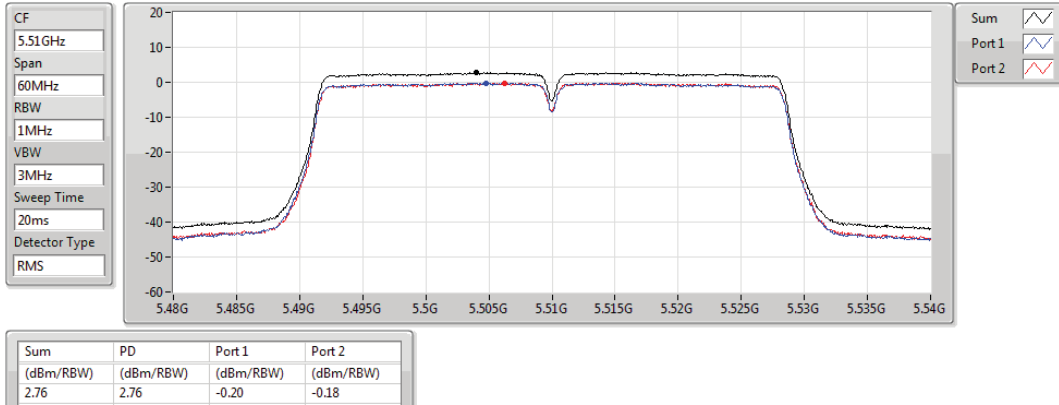


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5510MHz

14/08/2020

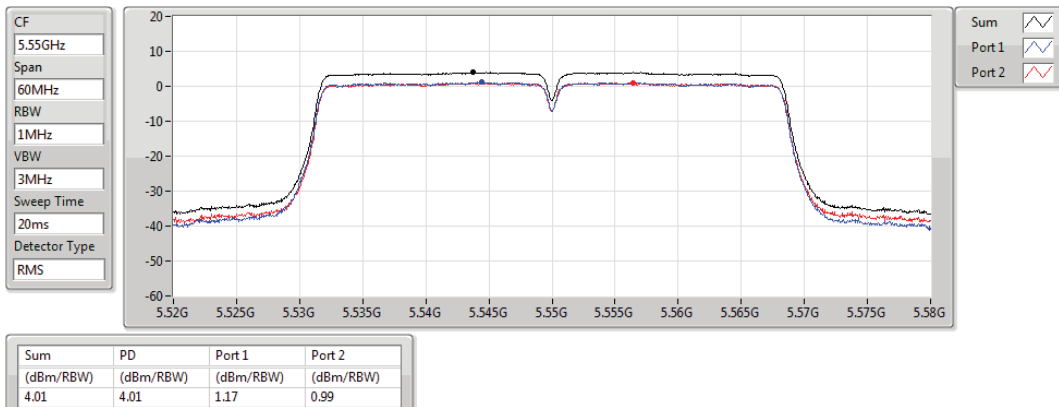


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5550MHz

07/08/2020

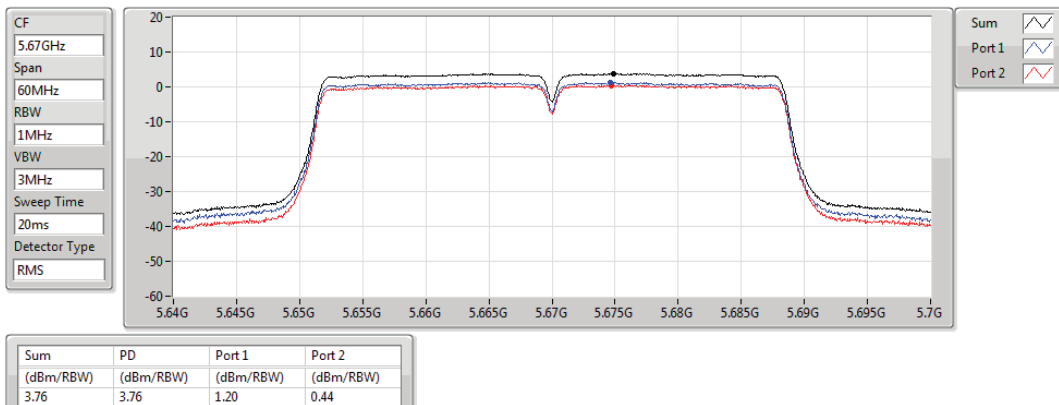


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5670MHz

07/08/2020

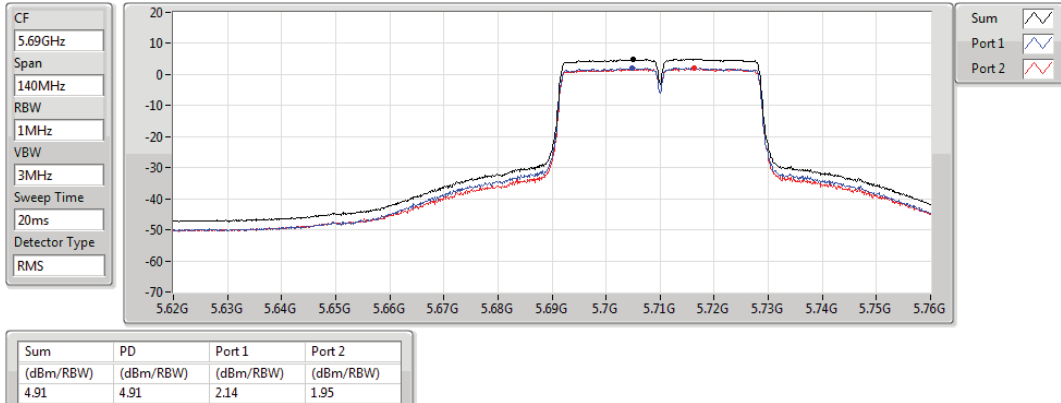


802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz

PSD

07/08/2020

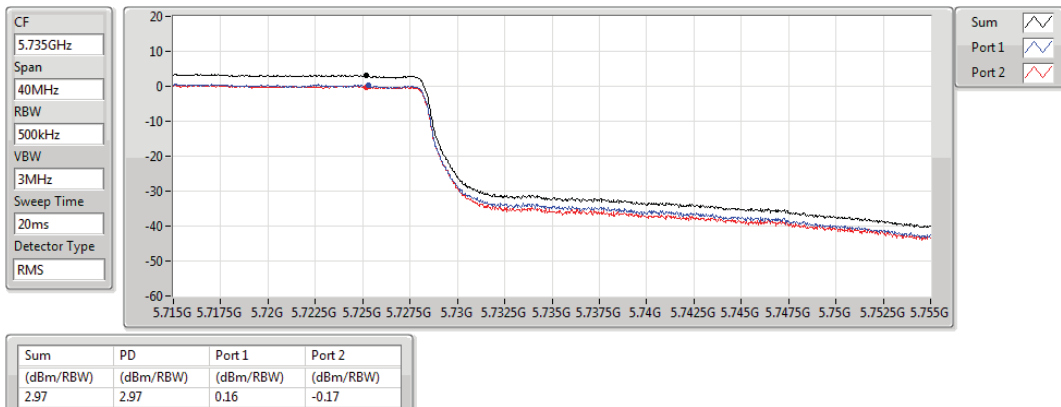


802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.725-5.85GHz

PSD

07/08/2020

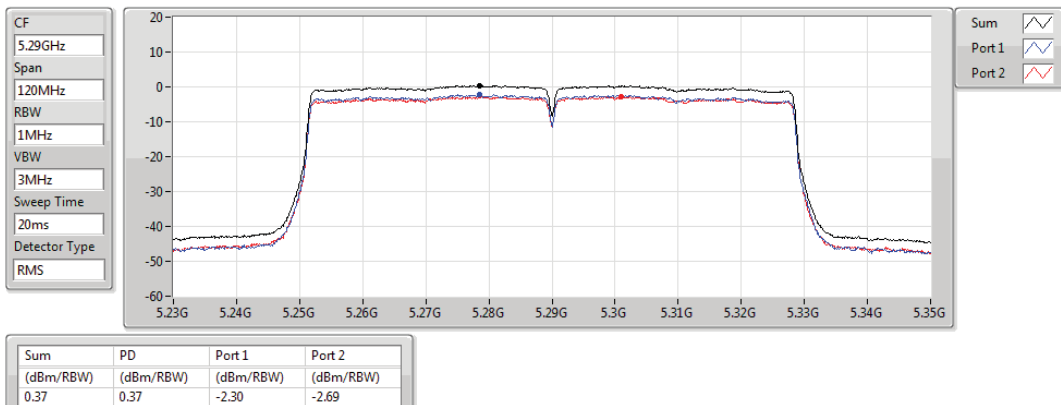


802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz

PSD

14/08/2020

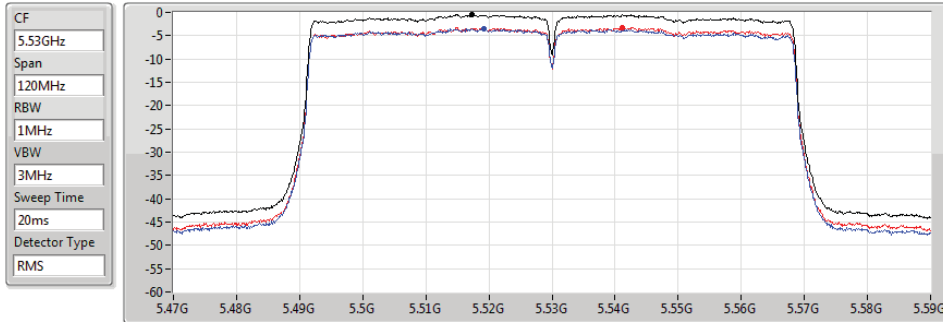


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

14/08/2020



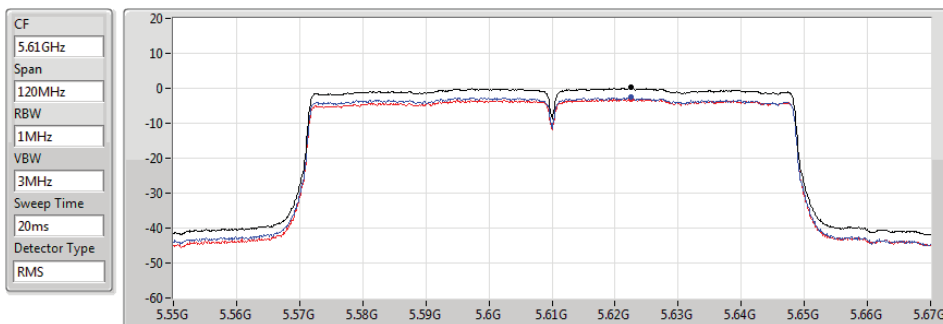
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.50	-0.50	-3.55	-3.20

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5610MHz

07/08/2020



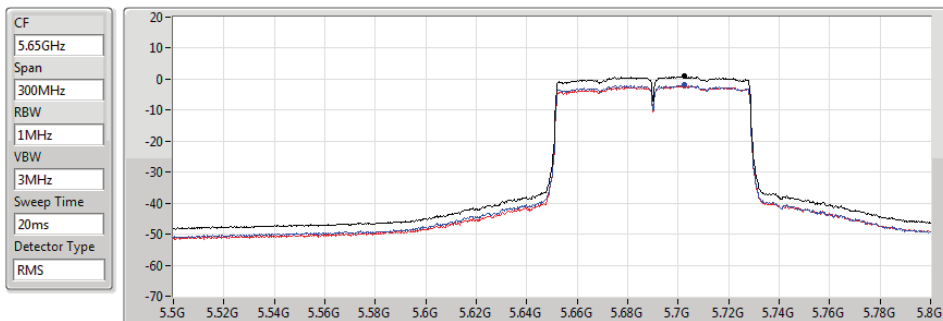
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.23	0.23	-2.51	-3.06

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

07/08/2020



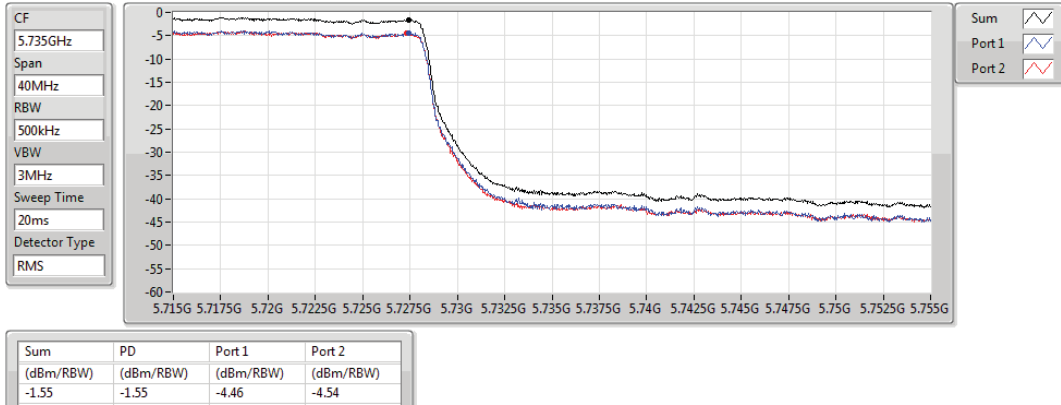
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.02	1.02	-1.83	-2.16

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.725-5.85GHz

PSD

07/08/2020

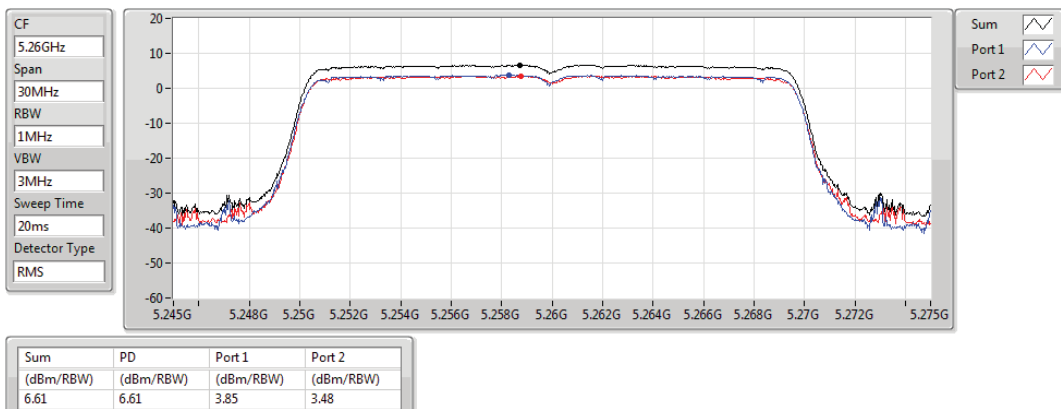


802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz

PSD

06/08/2020

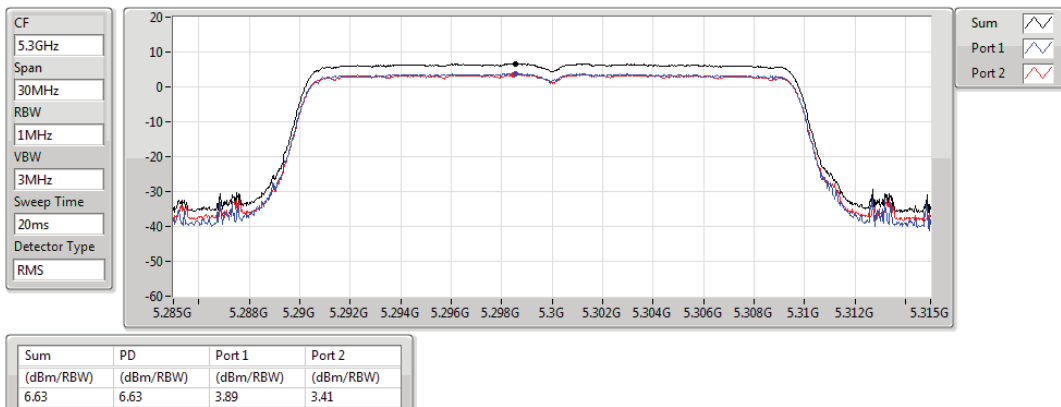


802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz

PSD

06/08/2020

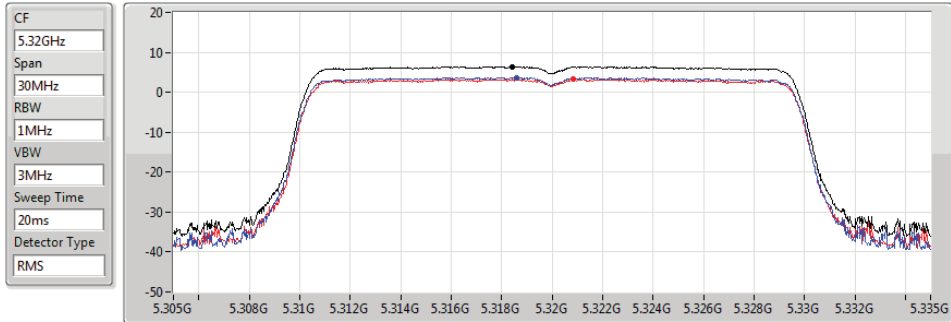


802.11ax HEW20_Nss1,(MCS0)_2TX

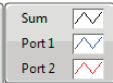
PSD

5320MHz

06/08/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.41	6.41	3.68	3.23

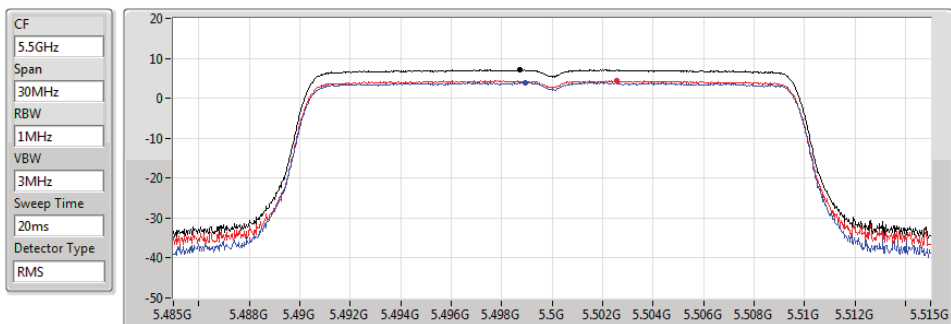


802.11ax HEW20_Nss1,(MCS0)_2TX

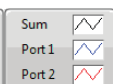
PSD

5500MHz

14/08/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.07	7.07	3.92	4.36

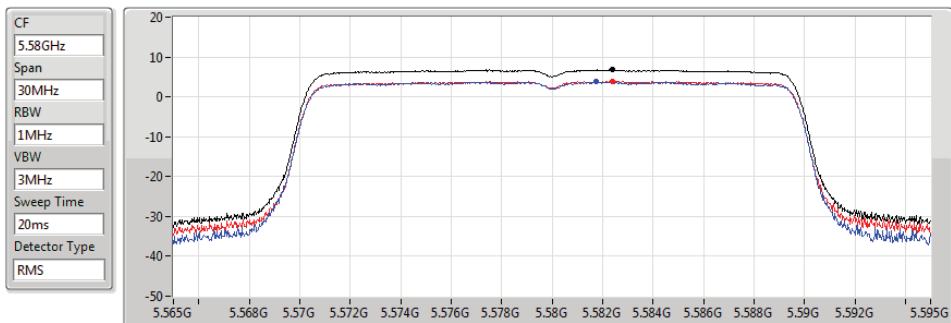


802.11ax HEW20_Nss1,(MCS0)_2TX

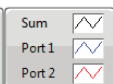
PSD

5580MHz

07/08/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.79	6.79	3.78	3.89

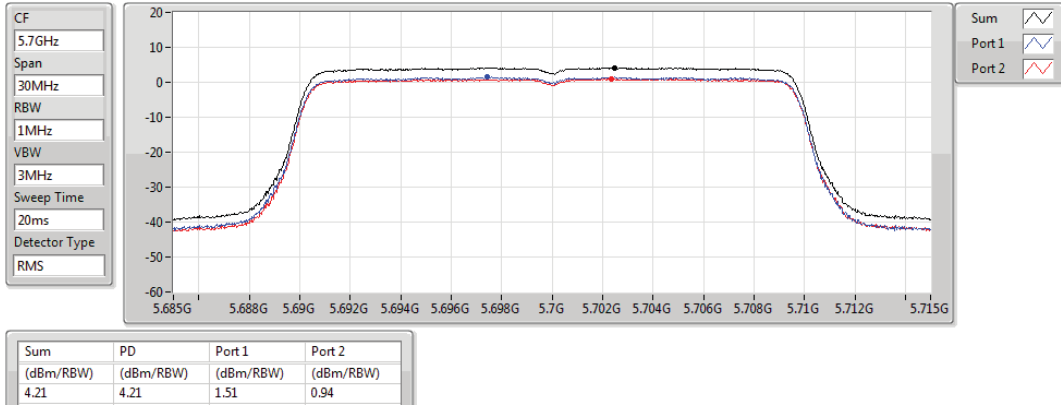


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5700MHz

14/08/2020

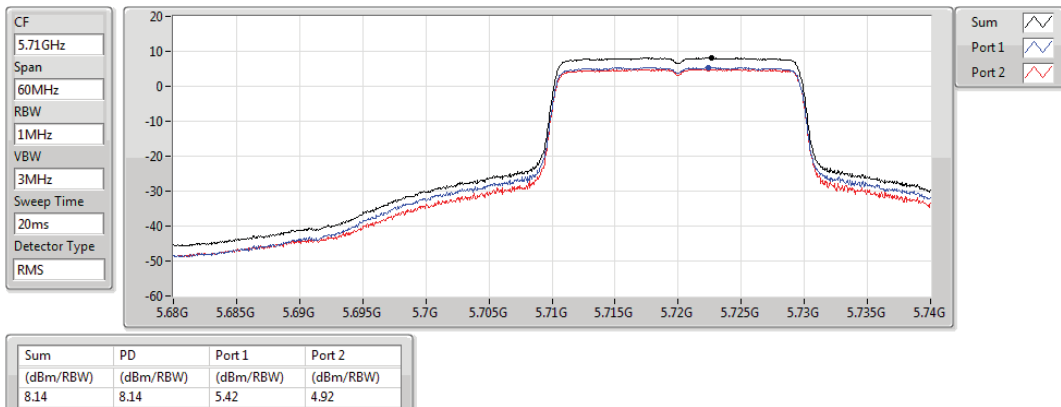


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

07/08/2020

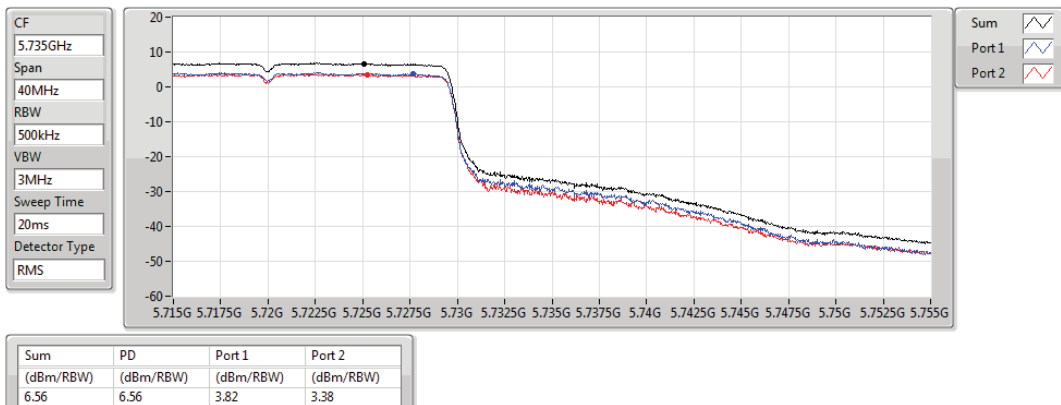


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

06/08/2020

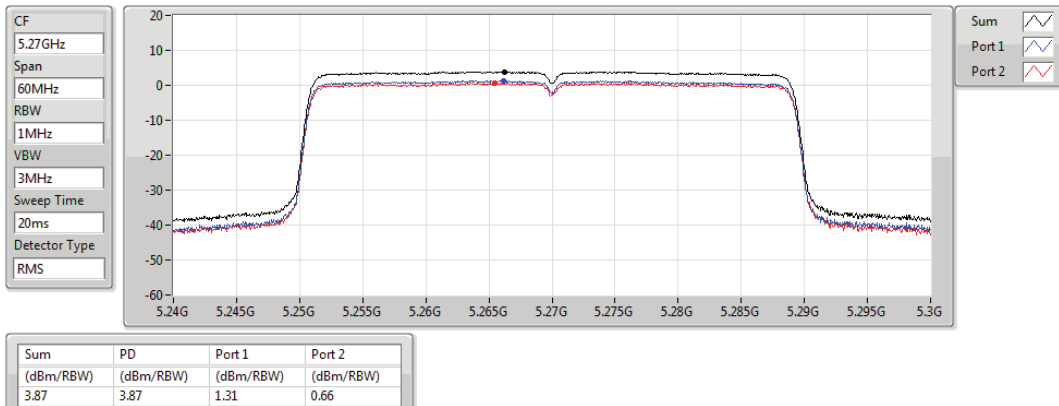


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5270MHz

07/08/2020

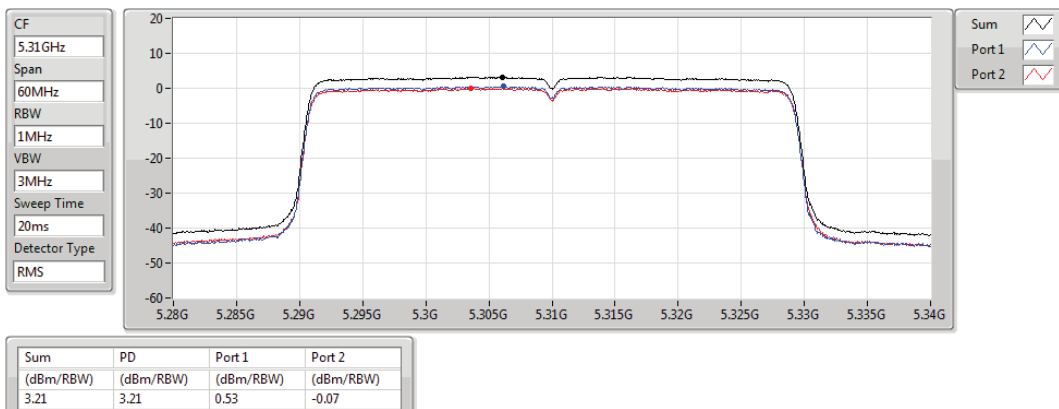


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5310MHz

14/08/2020

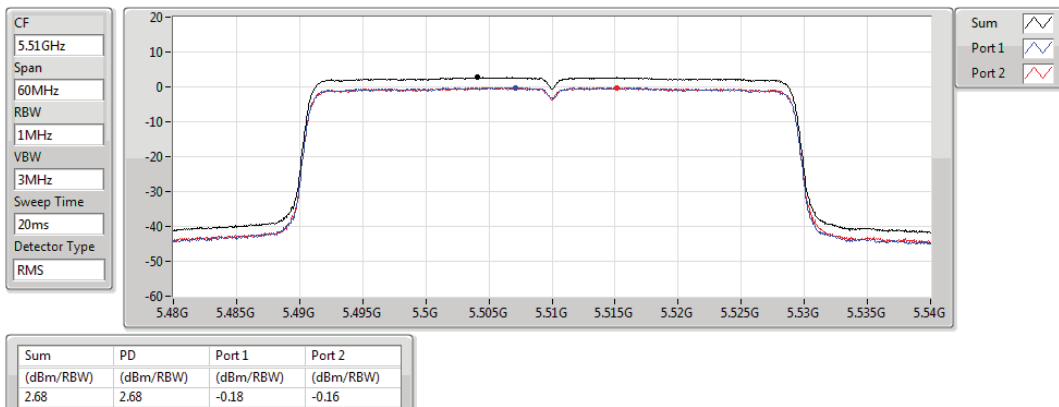


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5510MHz

14/08/2020

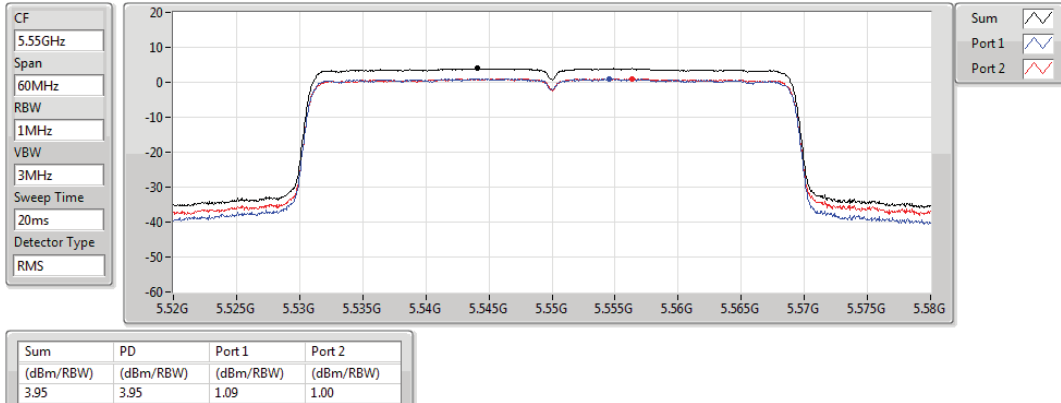


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5550MHz

07/08/2020

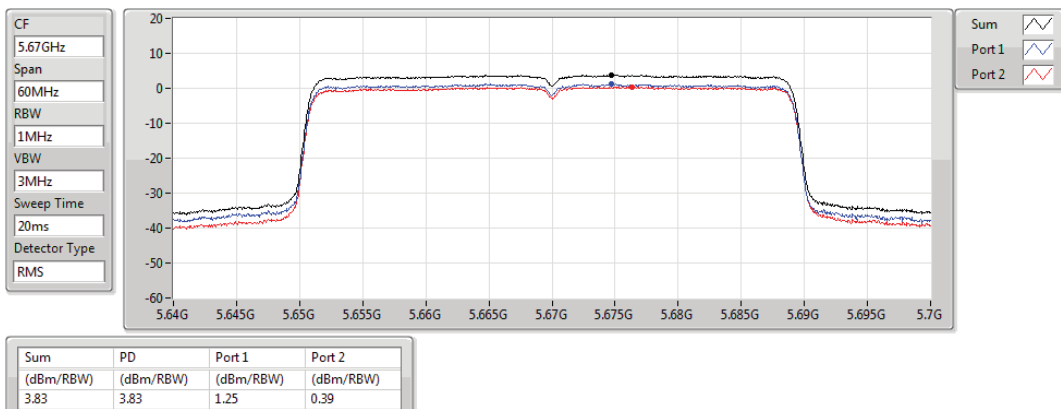


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5670MHz

07/08/2020

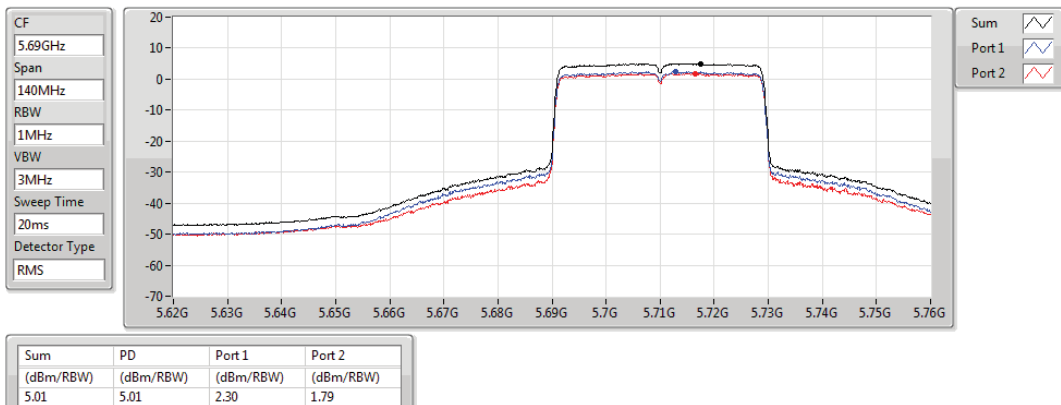


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

07/08/2020

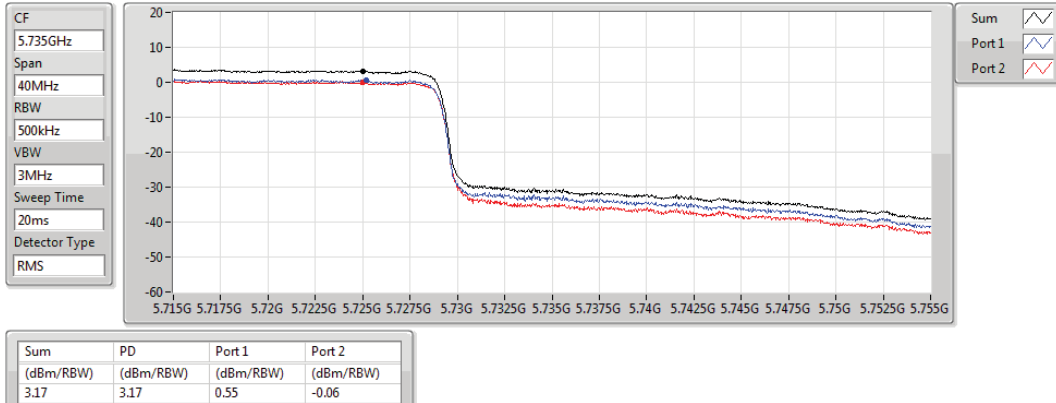


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

07/08/2020

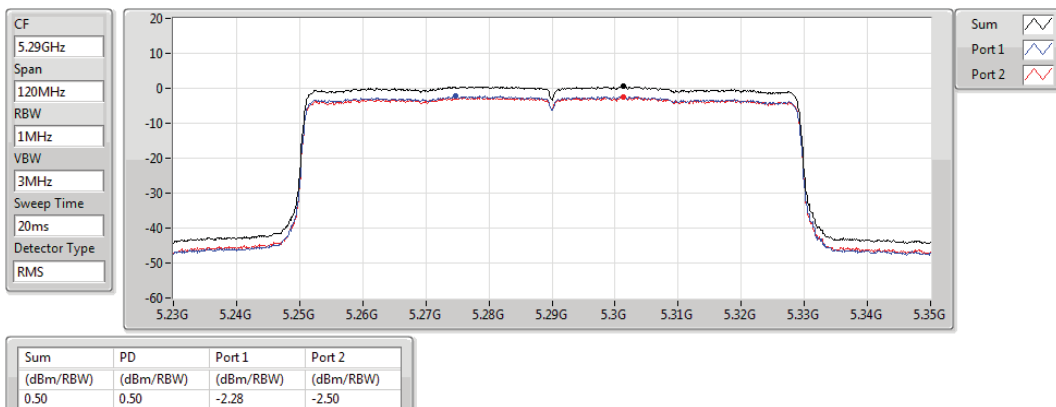


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5290MHz

14/08/2020

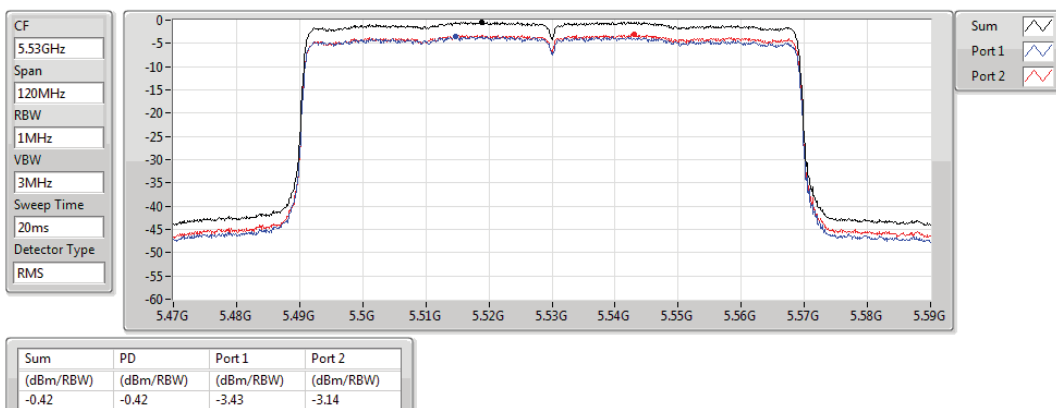


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5530MHz

14/08/2020

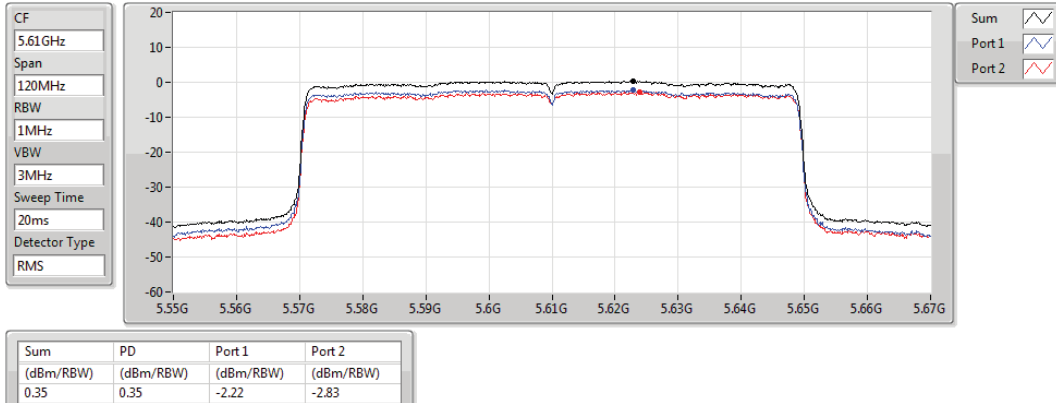


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5610MHz

07/08/2020

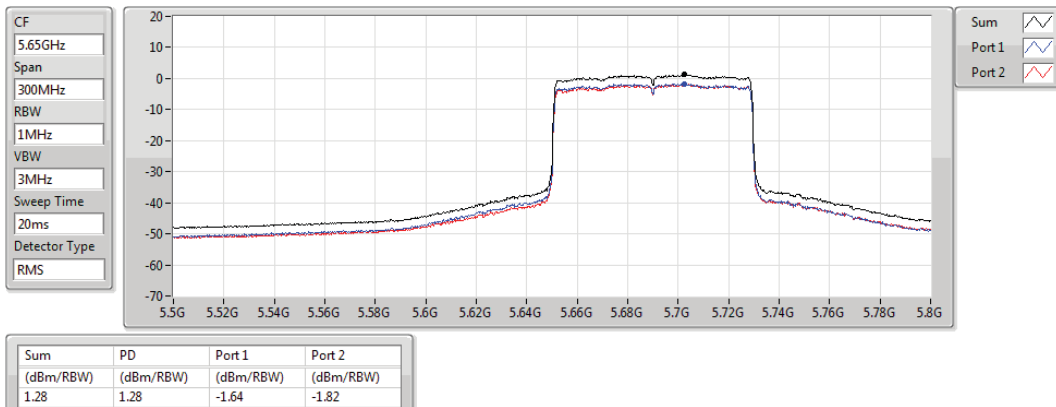


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

07/08/2020

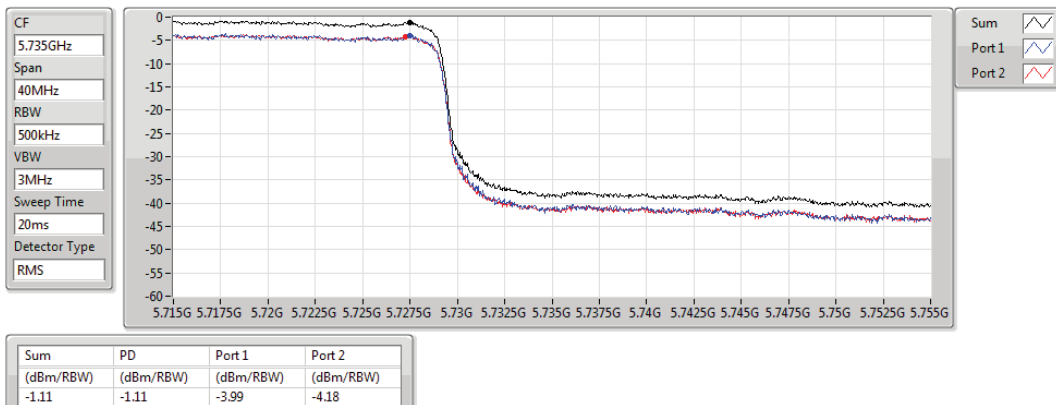


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

07/08/2020



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.53	16.89
802.11ac VHT20_Nss1,(MCS0)_2TX	7.72	16.08
802.11ac VHT40_Nss1,(MCS0)_2TX	4.97	13.33
802.11ac VHT80_Nss1,(MCS0)_2TX	0.69	9.05
802.11ax HEW20_Nss1,(MCS0)_2TX	7.69	16.05
802.11ax HEW40_Nss1,(MCS0)_2TX	4.96	13.32
802.11ax HEW80_Nss1,(MCS0)_2TX	0.75	9.11
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.31	16.67
802.11ac VHT20_Nss1,(MCS0)_2TX	8.00	16.36
802.11ac VHT40_Nss1,(MCS0)_2TX	4.73	13.09
802.11ac VHT80_Nss1,(MCS0)_2TX	0.66	9.02
802.11ax HEW20_Nss1,(MCS0)_2TX	7.82	16.18
802.11ax HEW40_Nss1,(MCS0)_2TX	4.72	13.08
802.11ax HEW80_Nss1,(MCS0)_2TX	0.81	9.17
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	6.48	14.84
802.11ac VHT20_Nss1,(MCS0)_2TX	6.19	14.55
802.11ac VHT40_Nss1,(MCS0)_2TX	2.14	10.50
802.11ac VHT80_Nss1,(MCS0)_2TX	-2.77	5.59
802.11ax HEW20_Nss1,(MCS0)_2TX	5.96	14.32
802.11ax HEW40_Nss1,(MCS0)_2TX	2.34	10.70
802.11ax HEW80_Nss1,(MCS0)_2TX	-2.61	5.75

RBW = 500 kHz 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	-	-	-	-	-	-	-	-
5260MHz	Pass	8.36	5.85	5.48	8.53	8.64	16.89	17.00
5300MHz	Pass	8.36	5.53	5.43	8.42	8.64	16.78	17.00
5320MHz	Pass	8.36	4.96	4.76	7.82	8.64	16.18	17.00
5500MHz	Pass	8.36	2.68	2.27	5.48	8.64	13.84	17.00
5580MHz	Pass	8.36	5.93	4.73	8.31	8.64	16.67	17.00
5700MHz	Pass	8.36	4.58	3.00	6.83	8.64	15.19	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.36	6.03	4.47	8.26	8.64	16.62	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.36	4.16	2.87	6.48	27.64	14.84	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.36	4.87	4.68	7.72	8.64	16.08	17.00
5300MHz	Pass	8.36	4.73	4.77	7.65	8.64	16.01	17.00
5320MHz	Pass	8.36	3.97	3.49	6.65	8.64	15.01	17.00
5500MHz	Pass	8.36	0.95	0.53	3.65	8.64	12.01	17.00
5580MHz	Pass	8.36	4.90	3.82	7.32	8.64	15.68	17.00
5700MHz	Pass	8.36	2.70	1.24	5.04	8.64	13.40	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.36	5.59	4.39	8.00	8.64	16.36	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.36	3.94	2.42	6.19	27.64	14.55	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.36	1.97	2.03	4.97	8.64	13.33	17.00
5310MHz	Pass	8.36	0.84	0.44	3.58	8.64	11.94	17.00
5510MHz	Pass	8.36	0.62	-0.09	3.20	8.64	11.56	17.00
5550MHz	Pass	8.36	2.03	1.45	4.73	8.64	13.09	17.00
5670MHz	Pass	8.36	2.32	0.99	4.67	8.64	13.03	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.36	2.37	0.85	4.59	8.64	12.95	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.36	-0.06	-1.72	2.14	27.64	10.50	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.36	-2.13	-2.52	0.69	8.64	9.05	17.00
5530MHz	Pass	8.36	-2.49	-2.81	0.26	8.64	8.62	17.00
5610MHz	Pass	8.36	-1.61	-2.99	0.65	8.64	9.01	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.36	-1.78	-2.80	0.66	8.64	9.02	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.36	-5.09	-6.39	-2.77	27.64	5.59	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.36	4.82	4.61	7.69	8.64	16.05	17.00
5300MHz	Pass	8.36	4.56	4.51	7.50	8.64	15.86	17.00
5320MHz	Pass	8.36	3.88	3.18	6.50	8.64	14.86	17.00
5500MHz	Pass	8.36	0.96	0.25	3.54	8.64	11.90	17.00
5580MHz	Pass	8.36	4.80	3.76	7.30	8.64	15.66	17.00
5700MHz	Pass	8.36	2.86	1.14	5.02	8.64	13.38	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.36	5.59	3.93	7.82	8.64	16.18	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.36	3.73	2.13	5.96	27.64	14.32	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.36	2.01	1.90	4.96	8.64	13.32	17.00
5310MHz	Pass	8.36	0.76	0.37	3.48	8.64	11.84	17.00

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)
5510MHz	Pass	8.36	0.62	-0.07	3.20	8.64	11.56	17.00
5550MHz	Pass	8.36	2.21	1.35	4.72	8.64	13.08	17.00
5670MHz	Pass	8.36	2.44	0.98	4.70	8.64	13.06	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.36	2.44	0.64	4.59	8.64	12.95	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.36	0.16	-1.64	2.34	27.64	10.70	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.36	-2.09	-2.39	0.75	8.64	9.11	17.00
5530MHz	Pass	8.36	-2.17	-2.72	0.45	8.64	8.81	17.00
5610MHz	Pass	8.36	-1.54	-2.73	0.81	8.64	9.17	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.36	-1.76	-2.99	0.64	8.64	9.00	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.36	-4.80	-6.50	-2.61	27.64	5.75	36.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

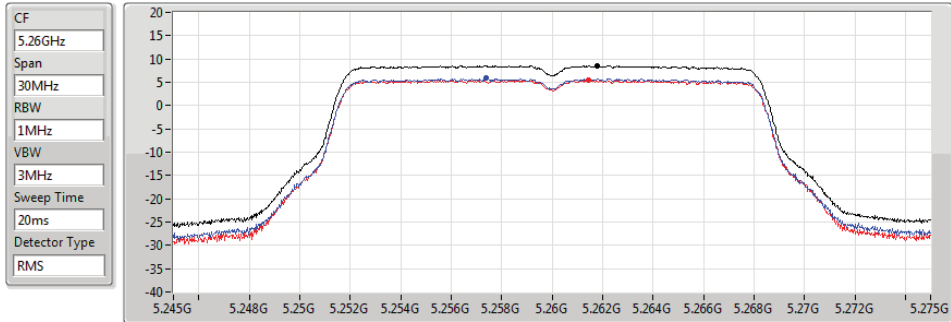
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

06/08/2020



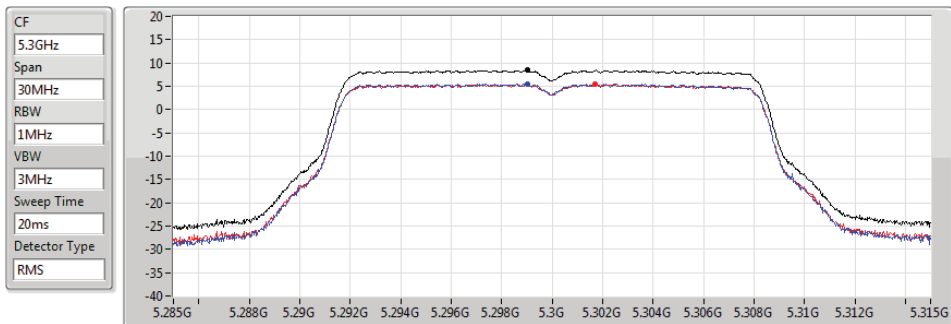
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.53	8.53	5.85	5.48

802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

06/08/2020



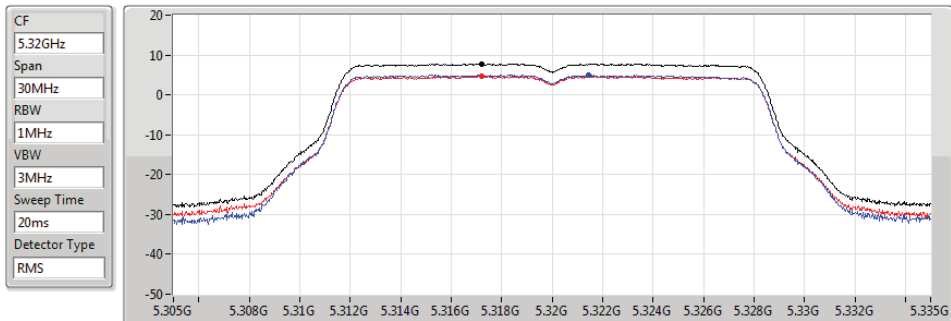
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.42	8.42	5.53	5.43

802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

14/08/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.82	7.82	4.96	4.76

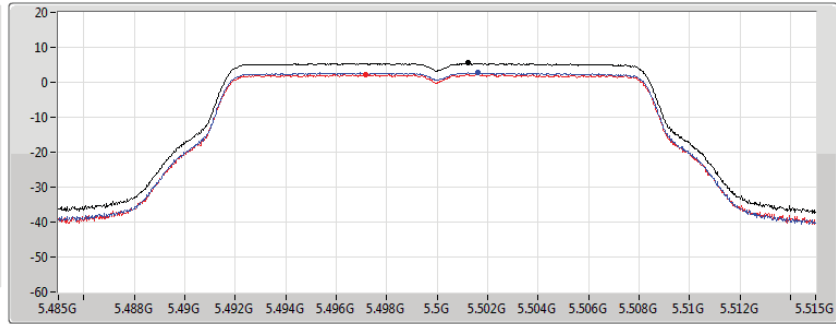
802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

14/08/2020

CF
5.5GHz
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)
5.48	5.48	2.68	2.27

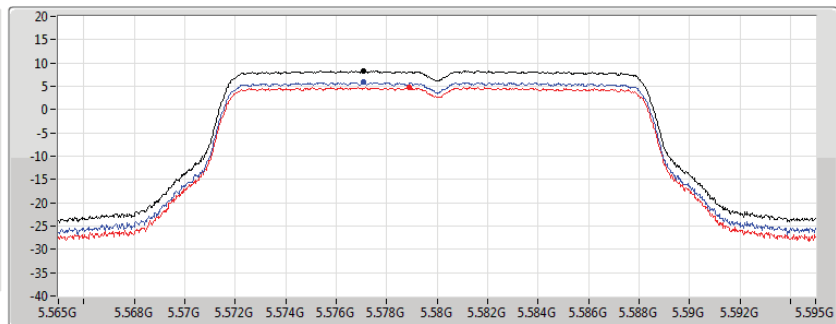
802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

06/08/2020

CF
5.58GHz
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)
8.31	8.31	5.93	4.73

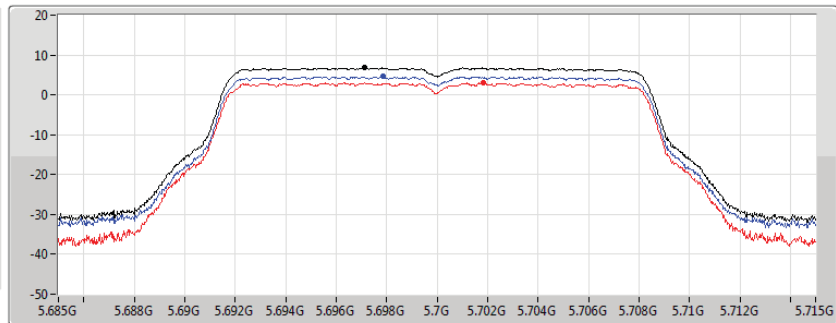
802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

14/08/2020

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



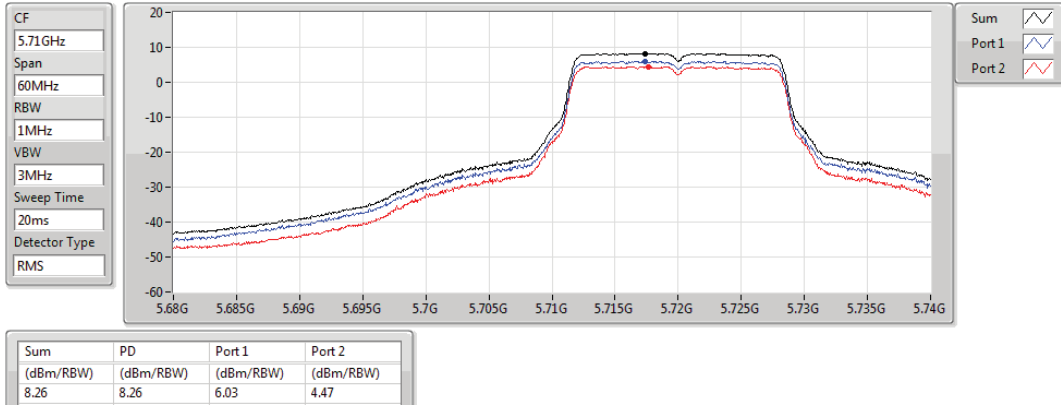
Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.83	6.83	4.58	3.00

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

PSD

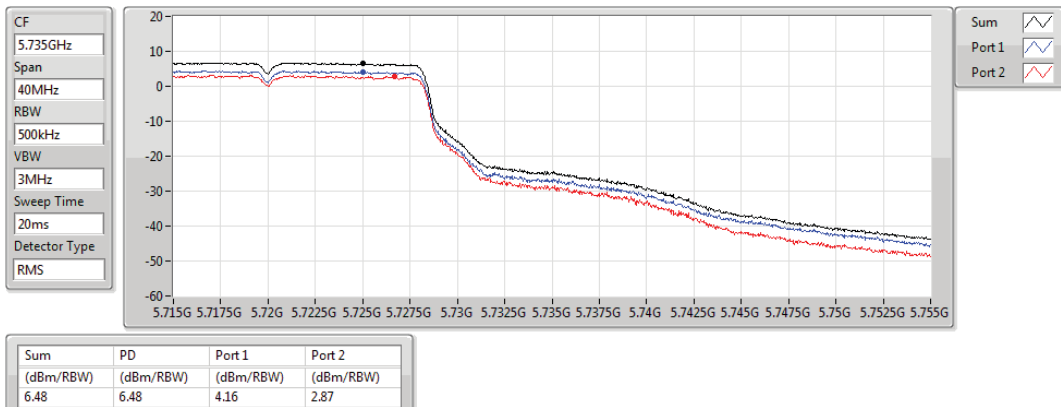
06/08/2020



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

PSD

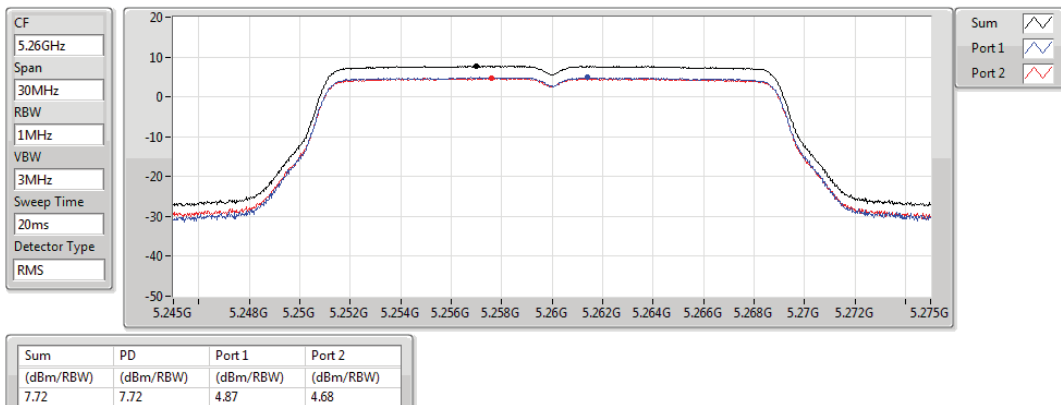
06/08/2020



802.11ac VHT20_Nss1,(MCS0)_2TX 5260MHz

PSD

06/08/2020

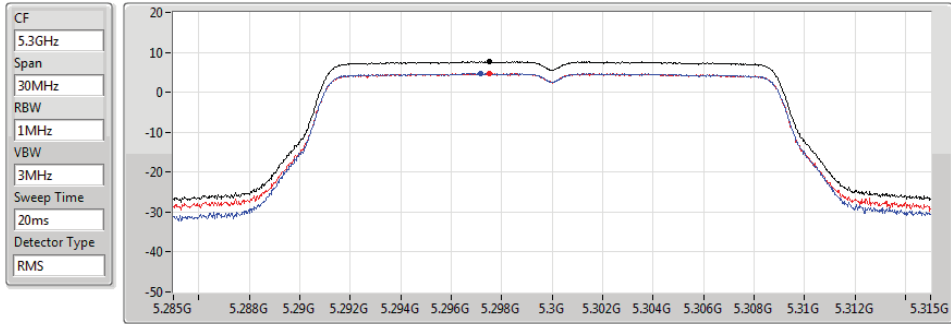


802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

PSD

06/08/2020



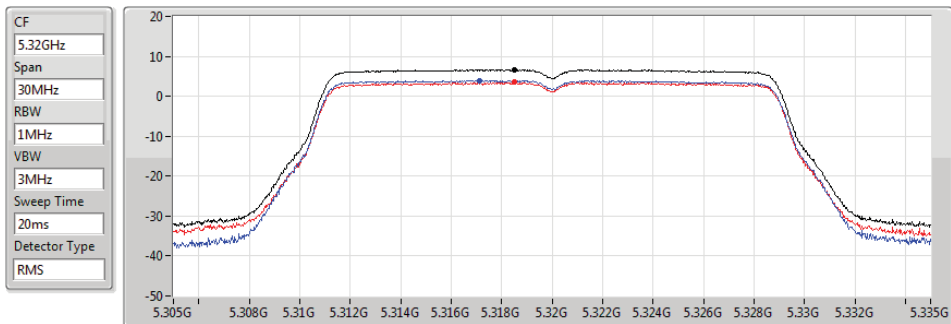
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.65	7.65	4.73	4.77

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

PSD

14/08/2020



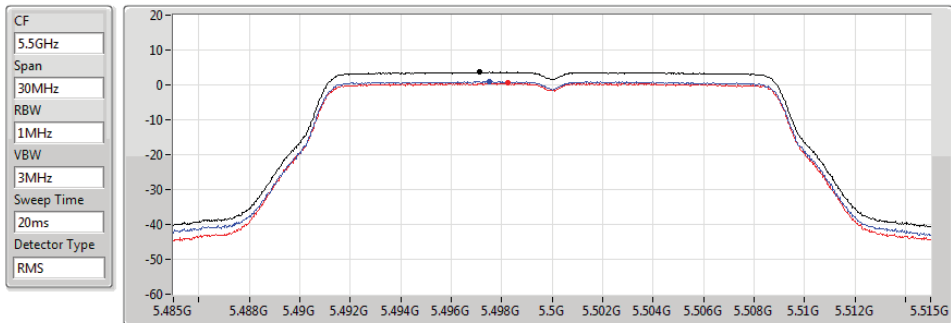
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.65	6.65	3.97	3.49

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz

PSD

14/08/2020



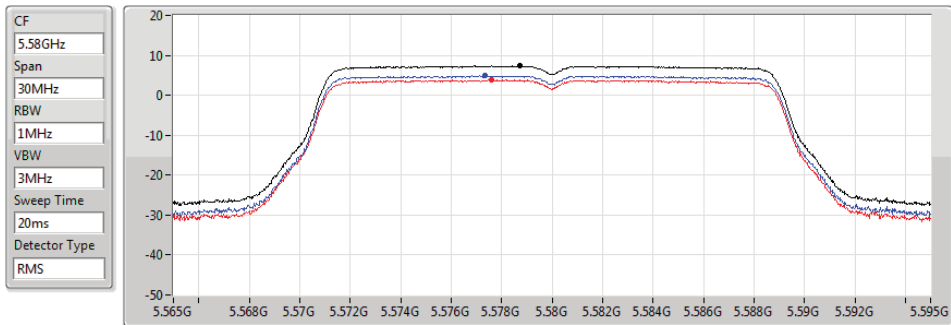
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.65	3.65	0.95	0.53

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz

PSD

06/08/2020



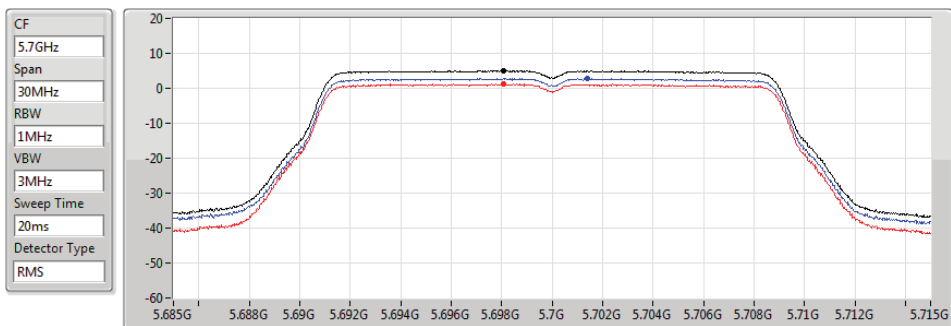
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.32	7.32	4.90	3.82

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz

PSD

14/08/2020



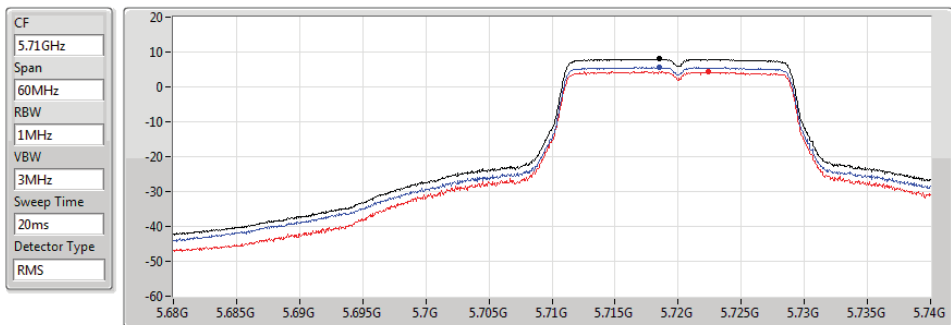
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.04	5.04	2.70	1.24

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz

PSD

06/08/2020



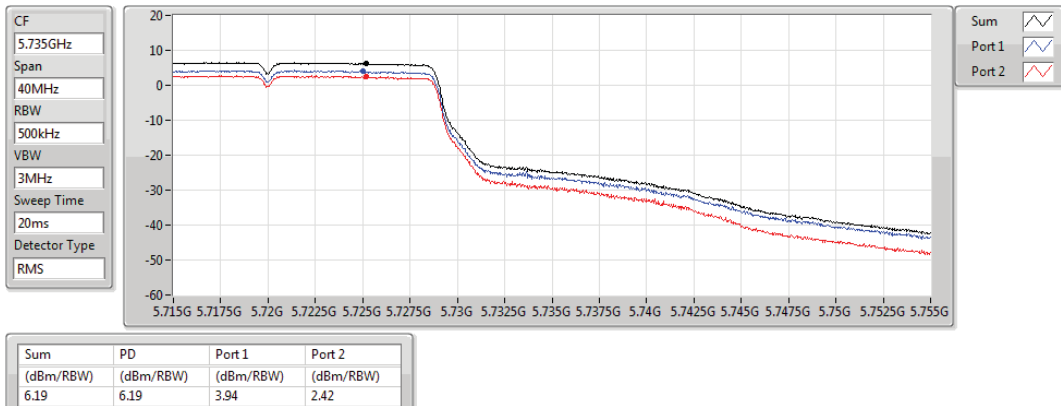
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.00	8.00	5.59	4.39

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

06/08/2020

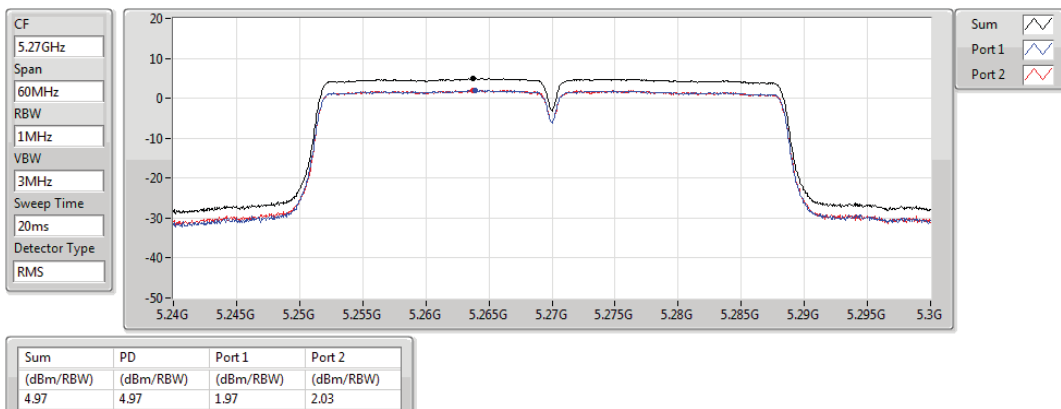


802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz

PSD

06/08/2020

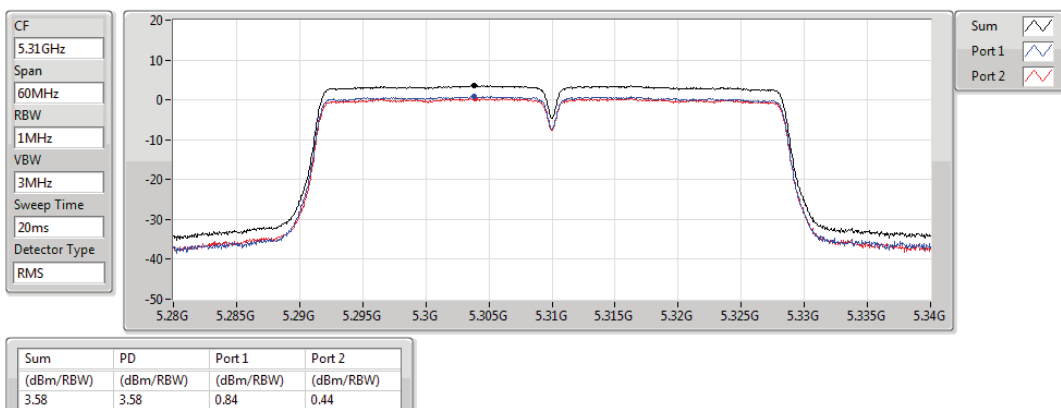


802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz

PSD

14/08/2020

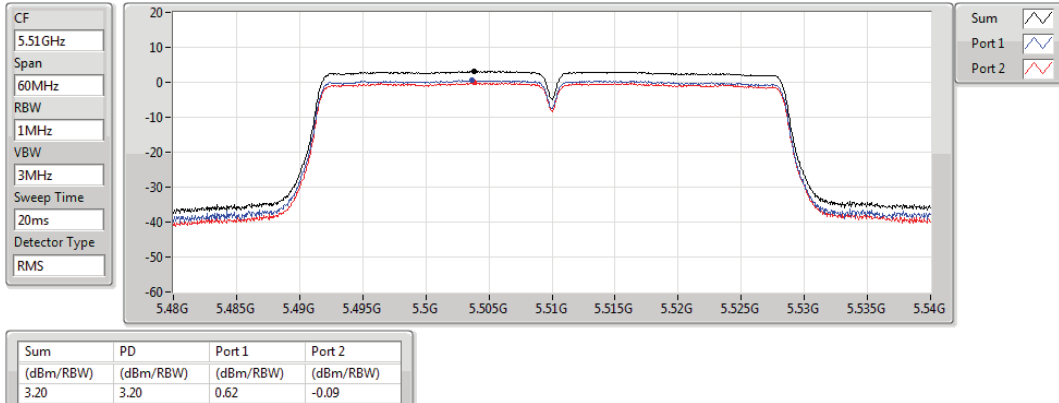


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5510MHz

14/08/2020

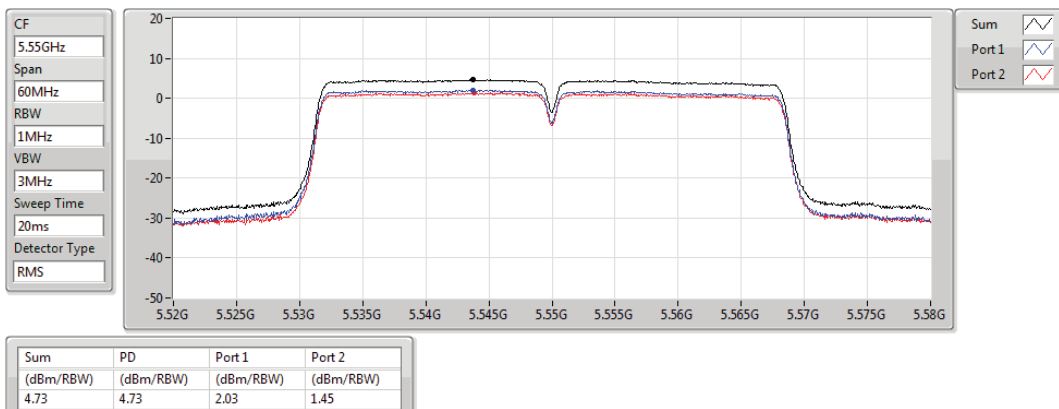


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5550MHz

06/08/2020

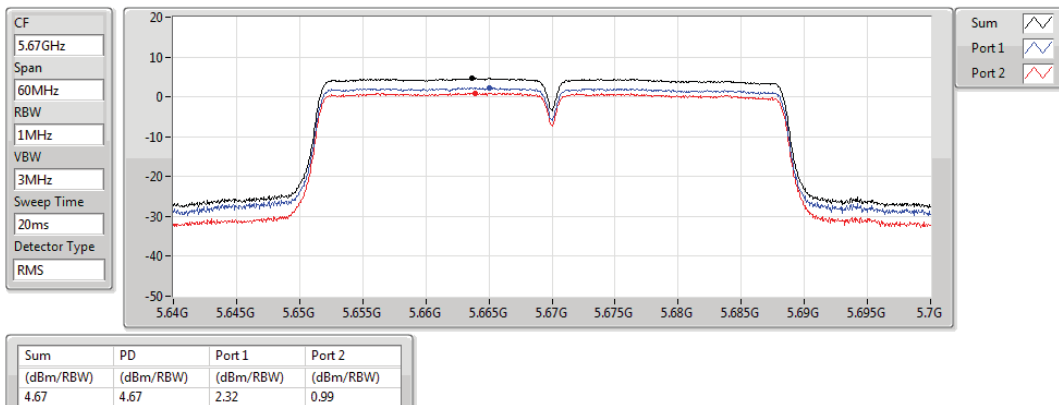


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5670MHz

06/08/2020

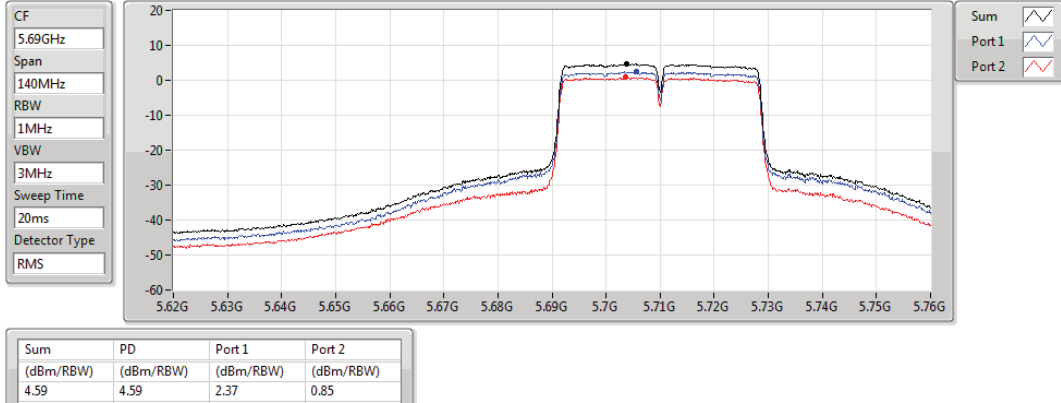


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

06/08/2020

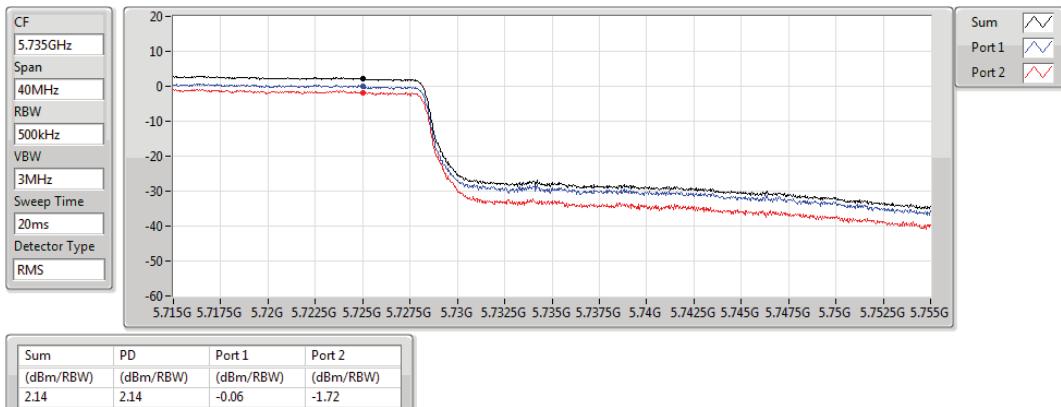


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

06/08/2020

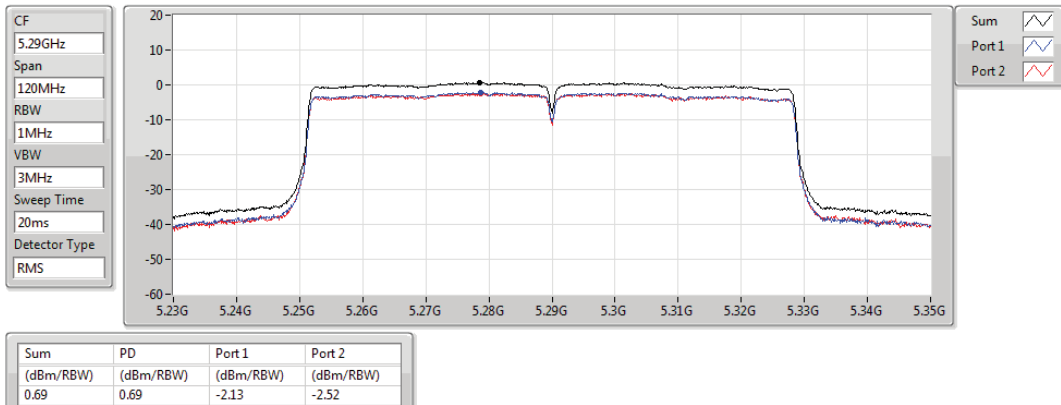


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5290MHz

14/08/2020

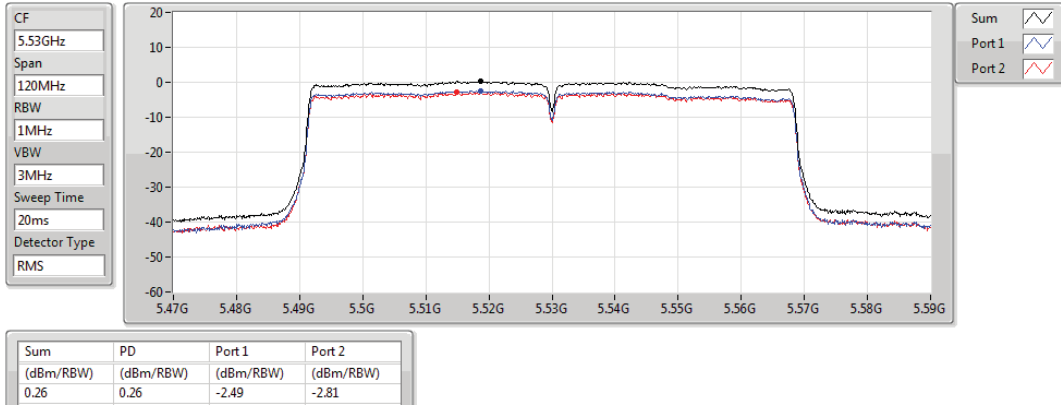


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

14/08/2020

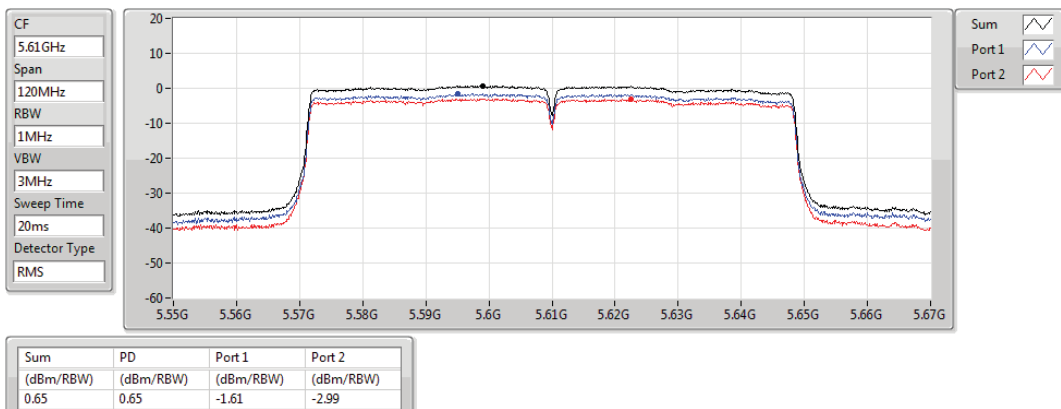


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5610MHz

06/08/2020

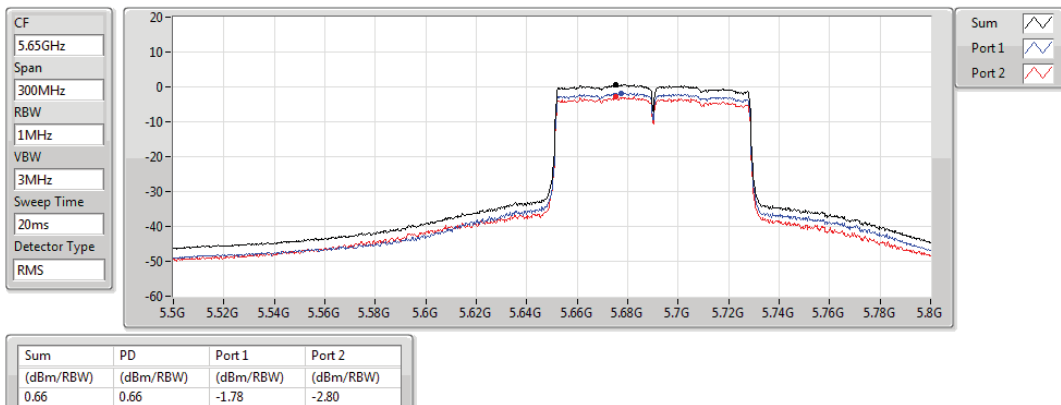


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

06/08/2020

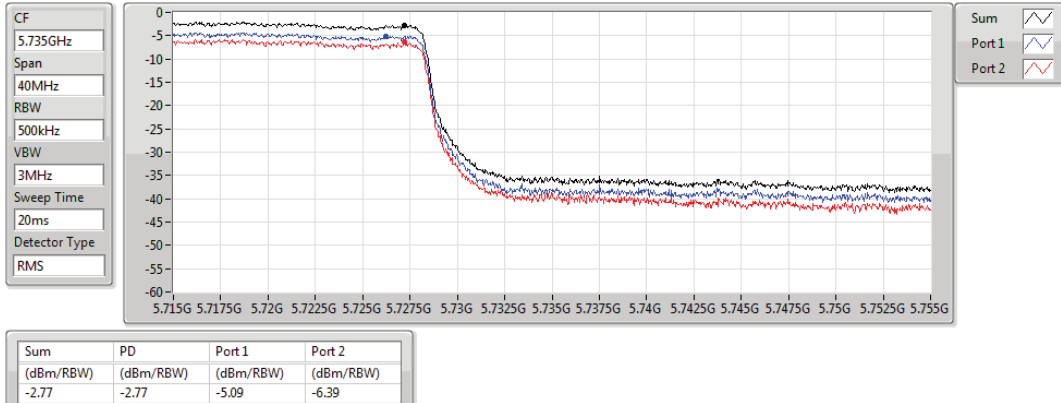


802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.725-5.85GHz

PSD

06/08/2020

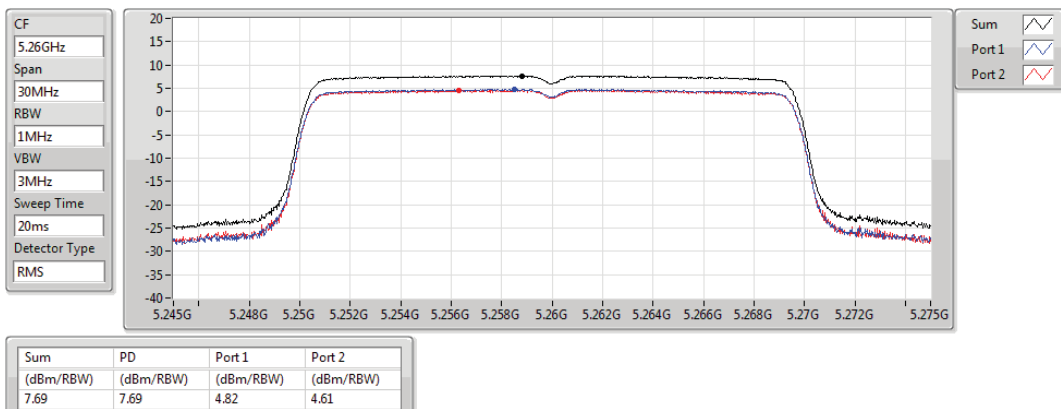


802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz

PSD

06/08/2020

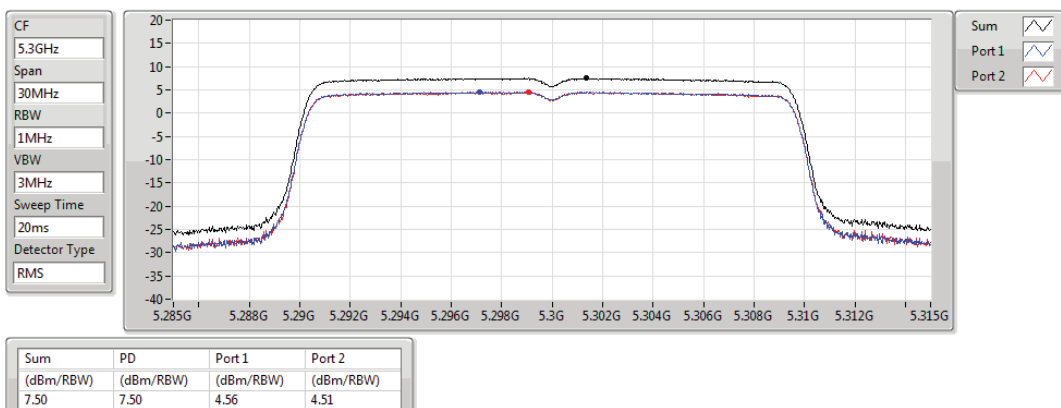


802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz

PSD

06/08/2020

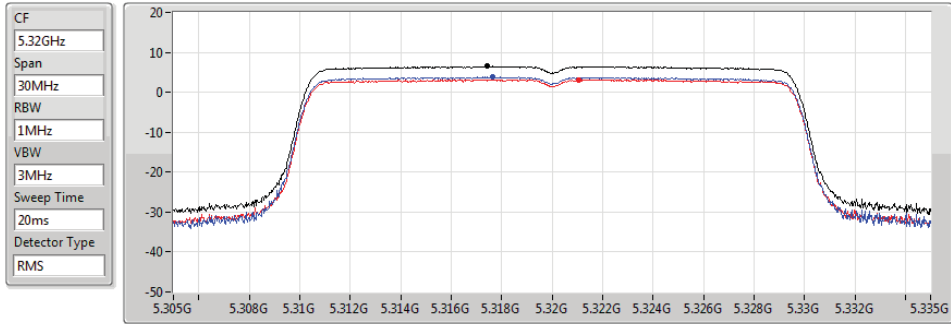


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5320MHz

14/08/2020



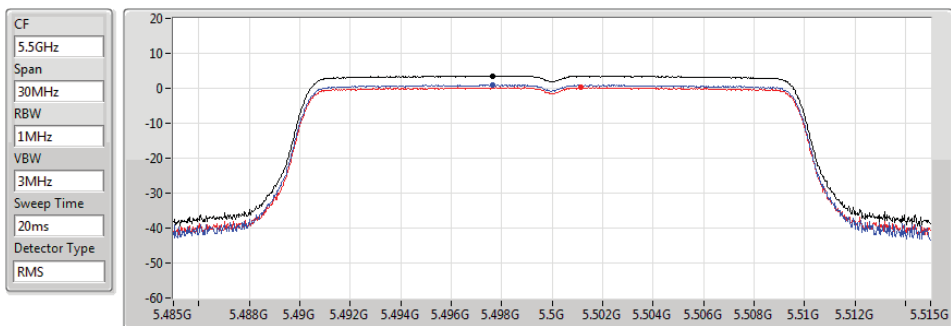
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.50	6.50	3.88	3.18

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5500MHz

14/08/2020



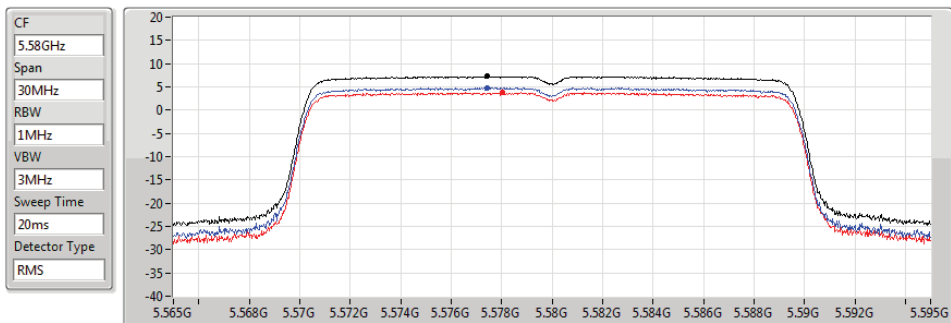
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.54	3.54	0.96	0.25

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5580MHz

06/08/2020



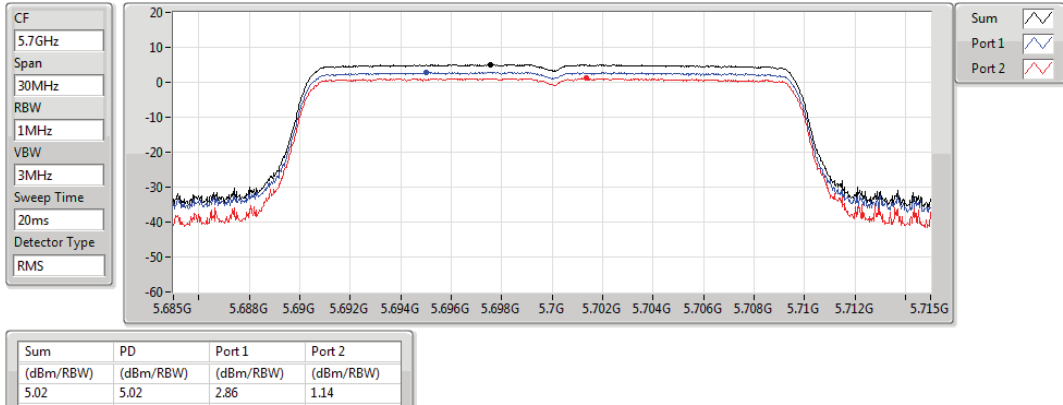
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.30	7.30	4.80	3.76

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5700MHz

14/08/2020

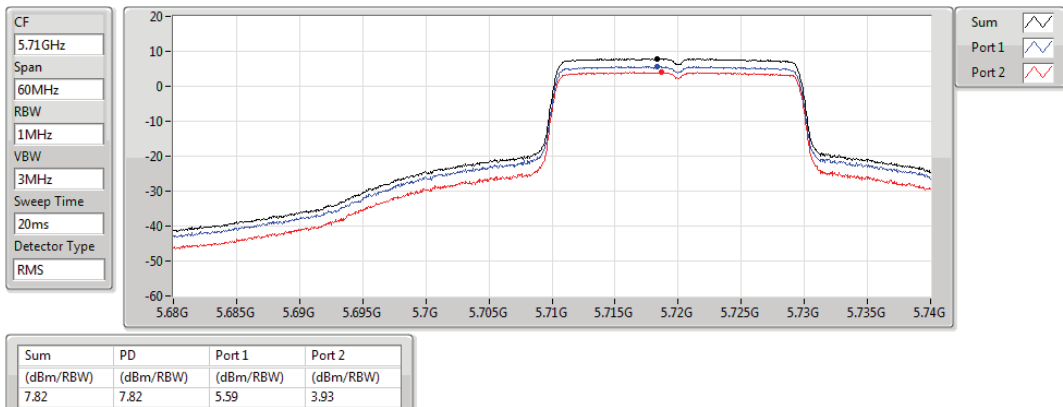


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

06/08/2020

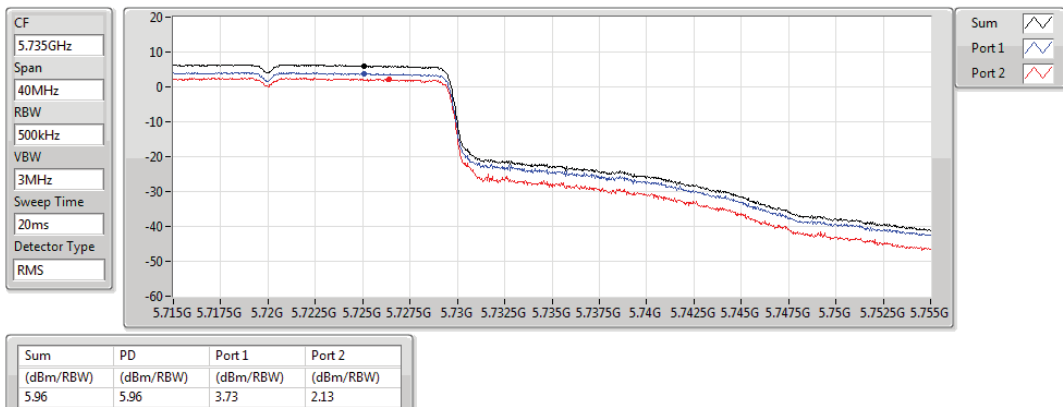


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

06/08/2020

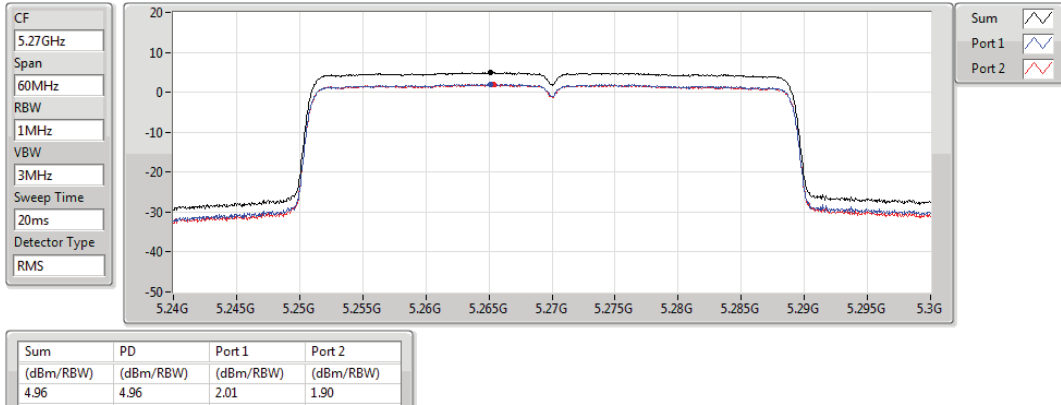


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5270MHz

06/08/2020

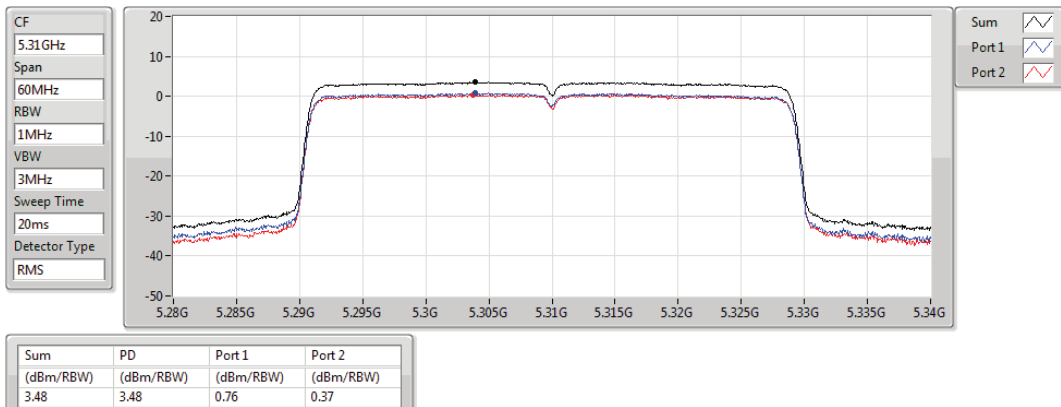


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5310MHz

14/08/2020

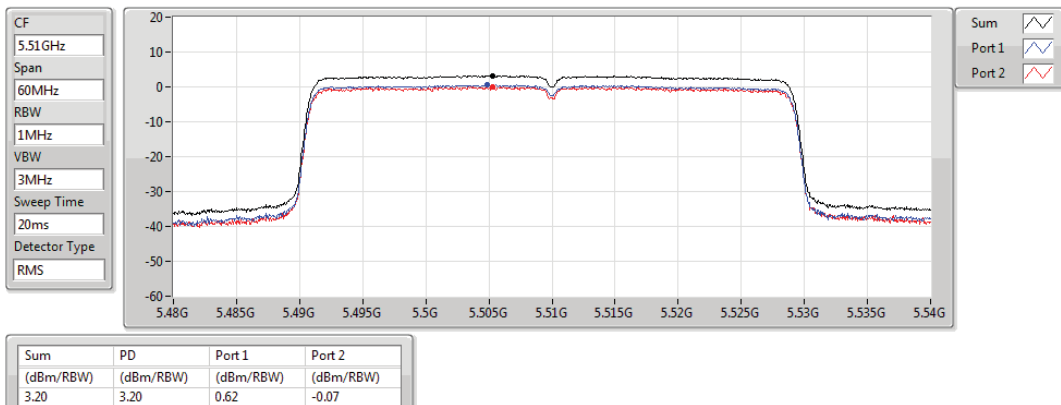


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5510MHz

14/08/2020

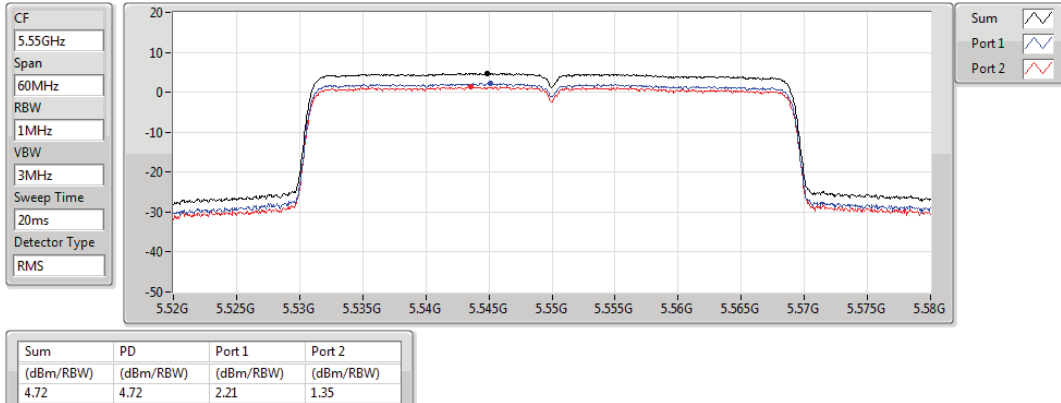


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5550MHz

06/08/2020

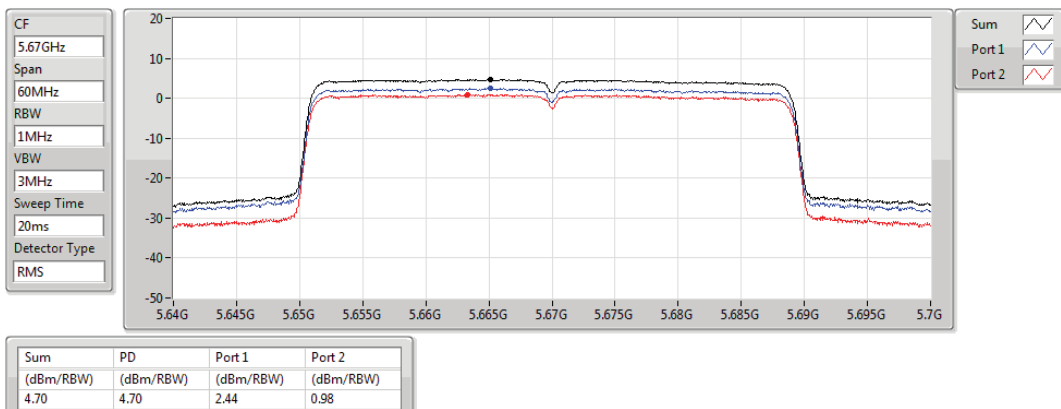


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5670MHz

06/08/2020

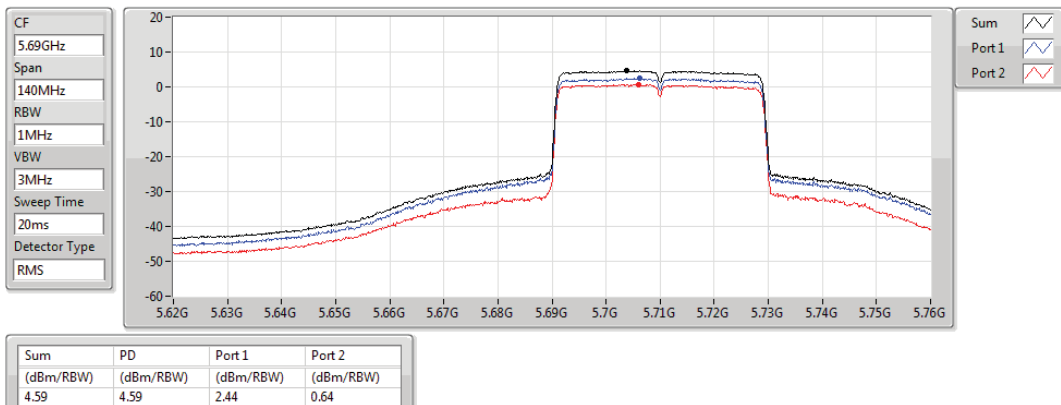


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

06/08/2020

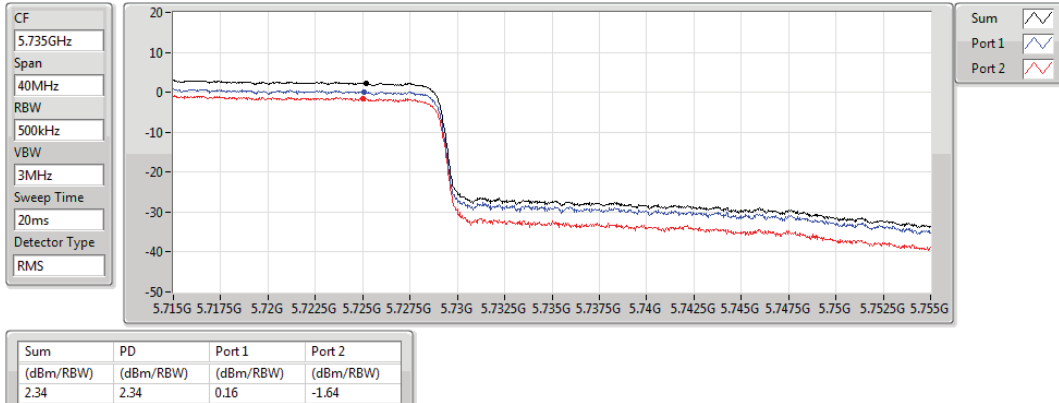


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

06/08/2020

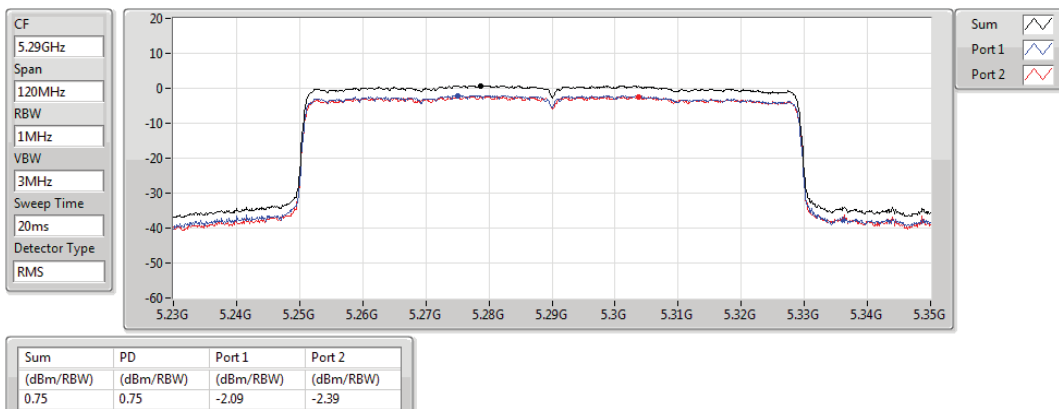


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5290MHz

14/08/2020

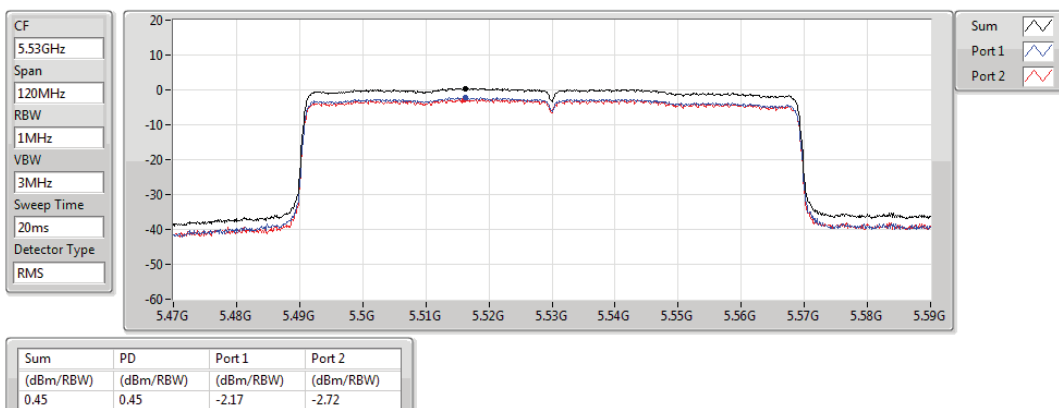


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5530MHz

14/08/2020

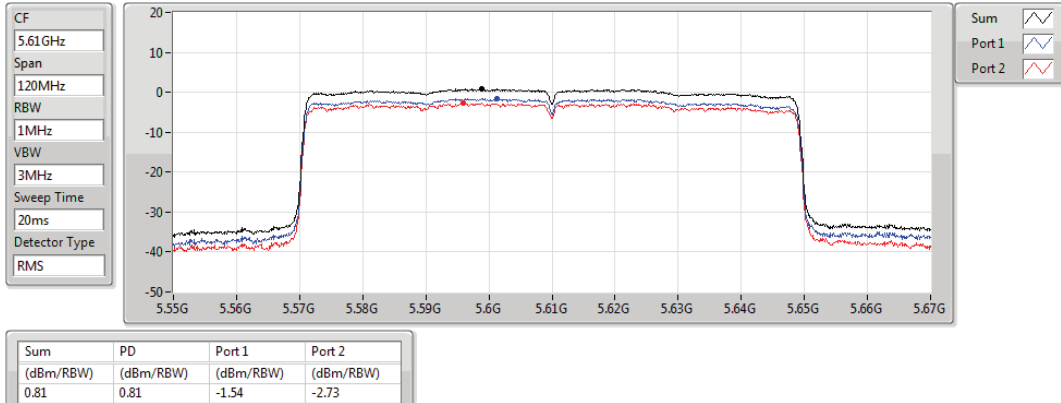


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5610MHz

06/08/2020

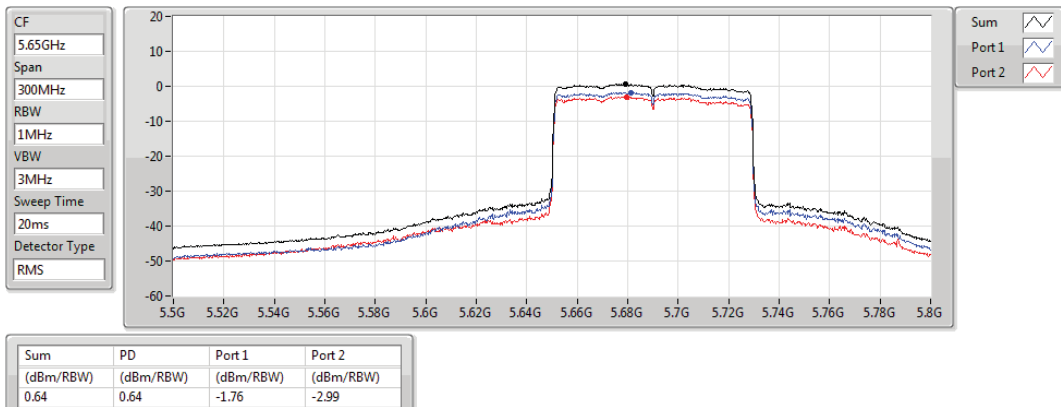


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

06/08/2020

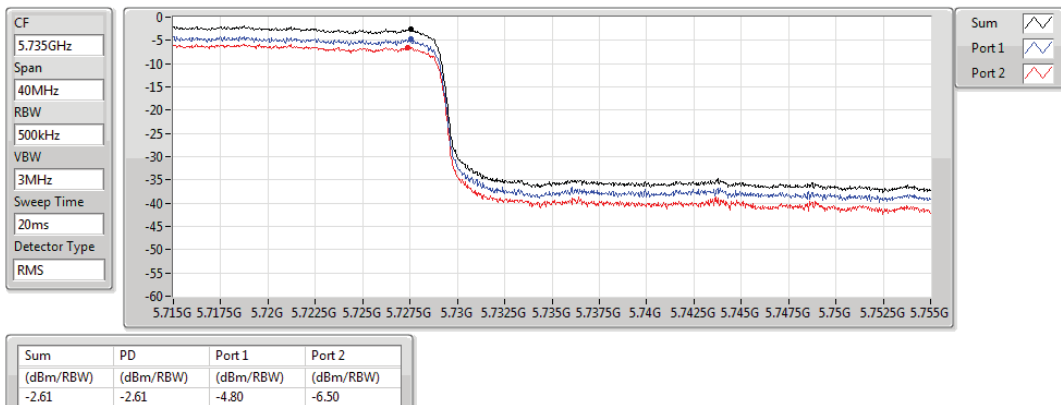


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

06/08/2020



**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.47G	66.79	68.20	-1.41	3	Vertical	167	2.66	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	PK	5.7252G	66.99	68.20	-1.21	3	Horizontal	56	2.19	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	5.4684G	66.00	68.20	-2.20	3	Vertical	172	2.66	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.46G	48.99	54.00	-5.01	3	Vertical	168	2.53	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	AV	5.459G	45.38	54.00	-8.62	3	Vertical	167	2.66	-
5500MHz	Pass	AV	5.5042G	102.95	Inf	-Inf	3	Vertical	167	2.66	-
5500MHz	Pass	PK	5.47G	66.79	68.20	-1.41	3	Vertical	167	2.66	-
5500MHz	Pass	PK	5.504G	111.59	Inf	-Inf	3	Vertical	167	2.66	-
5500MHz	Pass	AV	5.4572G	44.85	54.00	-9.15	3	Horizontal	54	2.11	-
5500MHz	Pass	AV	5.5024G	98.60	Inf	-Inf	3	Horizontal	54	2.11	-
5500MHz	Pass	PK	5.4684G	61.88	68.20	-6.32	3	Horizontal	54	2.11	-
5500MHz	Pass	PK	5.5024G	106.48	Inf	-Inf	3	Horizontal	54	2.11	-
5500MHz	Pass	AV	11.00058G	44.17	54.00	-9.83	3	Vertical	95	2.05	-
5500MHz	Pass	PK	11.0033G	56.18	74.00	-17.82	3	Vertical	95	2.05	-
5500MHz	Pass	AV	11.00422G	44.19	54.00	-9.81	3	Horizontal	196	1.64	-
5500MHz	Pass	PK	10.99698G	56.57	74.00	-17.43	3	Horizontal	196	1.64	-
5580MHz	Pass	AV	5.4588G	45.13	54.00	-8.87	3	Vertical	166	2.23	-
5580MHz	Pass	AV	5.5794G	105.06	Inf	-Inf	3	Vertical	166	2.23	-
5580MHz	Pass	PK	5.466G	56.94	68.20	-11.26	3	Vertical	166	2.23	-
5580MHz	Pass	PK	5.5842G	113.38	Inf	-Inf	3	Vertical	166	2.23	-
5580MHz	Pass	PK	5.727G	56.36	68.20	-11.84	3	Vertical	166	2.23	-
5580MHz	Pass	AV	5.4588G	44.74	54.00	-9.26	3	Horizontal	316	2.10	-
5580MHz	Pass	AV	5.5794G	101.38	Inf	-Inf	3	Horizontal	316	2.10	-
5580MHz	Pass	PK	5.4624G	56.43	68.20	-11.77	3	Horizontal	316	2.10	-
5580MHz	Pass	PK	5.5836G	110.27	Inf	-Inf	3	Horizontal	316	2.10	-
5580MHz	Pass	PK	5.7294G	56.24	68.20	-11.96	3	Horizontal	316	2.10	-
5580MHz	Pass	AV	11.14288G	44.65	54.00	-9.35	3	Vertical	323	1.65	-
5580MHz	Pass	PK	11.17016G	57.11	74.00	-16.89	3	Vertical	323	1.65	-
5580MHz	Pass	AV	11.17832G	44.63	54.00	-9.37	3	Horizontal	54	1.66	-
5580MHz	Pass	PK	11.1752G	57.94	74.00	-16.06	3	Horizontal	54	1.66	-
5700MHz	Pass	AV	5.7024G	103.74	Inf	-Inf	3	Vertical	229	2.16	-
5700MHz	Pass	PK	5.7024G	111.38	Inf	-Inf	3	Vertical	229	2.16	-
5700MHz	Pass	PK	5.7276G	66.17	68.20	-2.03	3	Vertical	229	2.16	-
5700MHz	Pass	AV	5.704G	100.66	Inf	-Inf	3	Horizontal	103	2.56	-
5700MHz	Pass	PK	5.704G	110.23	Inf	-Inf	3	Horizontal	103	2.56	-
5700MHz	Pass	PK	5.7296G	63.95	68.20	-4.25	3	Horizontal	103	2.56	-
5700MHz	Pass	AV	11.40032G	44.30	54.00	-9.70	3	Vertical	319	1.45	-
5700MHz	Pass	PK	11.3974G	56.76	74.00	-17.24	3	Vertical	319	1.45	-
5700MHz	Pass	AV	11.3996G	44.45	54.00	-9.55	3	Horizontal	329	2.07	-
5700MHz	Pass	PK	11.3998G	57.04	74.00	-16.96	3	Horizontal	329	2.07	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.722G	105.48	Inf	-Inf	3	Vertical	229	2.22	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.722G	113.09	Inf	-Inf	3	Vertical	229	2.22	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.911G	58.64	68.20	-9.56	3	Vertical	229	2.22	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.719G	101.95	Inf	-Inf	3	Horizontal	57	2.31	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.724G	110.17	Inf	-Inf	3	Horizontal	57	2.31	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.932G	58.58	68.20	-9.62	3	Horizontal	57	2.31	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.4224G	44.47	54.00	-9.53	3	Vertical	333	2.02	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.45056G	56.77	74.00	-17.23	3	Vertical	333	2.02	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.42552G	44.45	54.00	-9.55	3	Horizontal	338	2.44	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.45584G	56.32	74.00	-17.68	3	Horizontal	338	2.44	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	AV	5.4588G	45.00	54.00	-9.00	3	Vertical	167	2.26	-
5500MHz	Pass	AV	5.4968G	101.60	Inf	-Inf	3	Vertical	167	2.26	-
5500MHz	Pass	PK	5.4692G	63.92	68.20	-4.28	3	Vertical	167	2.26	-
5500MHz	Pass	PK	5.4968G	114.00	Inf	-Inf	3	Vertical	167	2.26	-
5500MHz	Pass	AV	5.4588G	44.46	54.00	-9.54	3	Horizontal	55	2.26	-
5500MHz	Pass	AV	5.4962G	97.60	Inf	-Inf	3	Horizontal	55	2.26	-
5500MHz	Pass	PK	5.4688G	60.80	68.20	-7.40	3	Horizontal	55	2.26	-
5500MHz	Pass	PK	5.5014G	108.88	Inf	-Inf	3	Horizontal	55	2.26	-
5500MHz	Pass	AV	11.01476G	43.54	54.00	-10.46	3	Vertical	260	1.55	-
5500MHz	Pass	PK	10.99904G	56.83	74.00	-17.17	3	Vertical	260	1.55	-
5500MHz	Pass	AV	10.99016G	43.75	54.00	-10.25	3	Horizontal	214	1.49	-
5500MHz	Pass	PK	11.0057G	56.70	74.00	-17.30	3	Horizontal	214	1.49	-
5580MHz	Pass	AV	5.4594G	43.90	54.00	-10.10	3	Vertical	171	2.31	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5580MHz	Pass	AV	5.5818G	101.34	Inf	-Inf	3	Vertical	171	2.31	-
5580MHz	Pass	PK	5.4636G	56.44	68.20	-11.76	3	Vertical	171	2.31	-
5580MHz	Pass	PK	5.5818G	113.26	Inf	-Inf	3	Vertical	171	2.31	-
5580MHz	Pass	PK	5.7288G	56.56	68.20	-11.64	3	Vertical	171	2.31	-
5580MHz	Pass	AV	5.4426G	43.68	54.00	-10.32	3	Horizontal	316	2.10	-
5580MHz	Pass	AV	5.5848G	97.34	Inf	-Inf	3	Horizontal	316	2.10	-
5580MHz	Pass	PK	5.4636G	55.98	68.20	-12.22	3	Horizontal	316	2.10	-
5580MHz	Pass	PK	5.577G	109.21	Inf	-Inf	3	Horizontal	316	2.10	-
5580MHz	Pass	PK	5.7264G	55.84	68.20	-12.36	3	Horizontal	316	2.10	-
5580MHz	Pass	AV	11.15534G	43.49	54.00	-10.51	3	Vertical	99	1.45	-
5580MHz	Pass	PK	11.15538G	57.00	74.00	-17.00	3	Vertical	99	1.45	-
5580MHz	Pass	AV	11.14518G	43.56	54.00	-10.44	3	Horizontal	344	1.82	-
5580MHz	Pass	PK	11.15598G	56.60	74.00	-17.40	3	Horizontal	344	1.82	-
5700MHz	Pass	AV	5.702G	99.32	Inf	-Inf	3	Vertical	105	2.70	-
5700MHz	Pass	PK	5.702G	111.20	Inf	-Inf	3	Vertical	105	2.70	-
5700MHz	Pass	PK	5.7252G	66.63	68.20	-1.57	3	Vertical	105	2.70	-
5700MHz	Pass	AV	5.7024G	98.21	Inf	-Inf	3	Horizontal	56	2.19	-
5700MHz	Pass	PK	5.6968G	110.19	Inf	-Inf	3	Horizontal	56	2.19	-
5700MHz	Pass	PK	5.7252G	66.99	68.20	-1.21	3	Horizontal	56	2.19	-
5700MHz	Pass	AV	11.40024G	43.86	54.00	-10.14	3	Vertical	147	2.14	-
5700MHz	Pass	PK	11.38938G	56.54	74.00	-17.46	3	Vertical	147	2.14	-
5700MHz	Pass	AV	11.3997G	43.86	54.00	-10.14	3	Horizontal	229	1.89	-
5700MHz	Pass	PK	11.39628G	56.92	74.00	-17.08	3	Horizontal	229	1.89	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.724G	102.65	Inf	-Inf	3	Vertical	234	2.23	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.721G	114.12	Inf	-Inf	3	Vertical	234	2.23	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.957G	57.24	68.20	-10.96	3	Vertical	234	2.23	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.722G	98.92	Inf	-Inf	3	Horizontal	62	2.21	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.717G	110.30	Inf	-Inf	3	Horizontal	62	2.21	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.896G	58.01	68.20	-10.19	3	Horizontal	62	2.21	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.4232G	43.58	54.00	-10.42	3	Vertical	20	1.86	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43176G	56.69	74.00	-17.31	3	Vertical	20	1.86	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.42248G	43.58	54.00	-10.42	3	Horizontal	213	2.40	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.4328G	55.94	74.00	-18.06	3	Horizontal	213	2.40	-
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	AV	5.4588G	48.56	54.00	-5.44	3	Vertical	172	2.66	-
5510MHz	Pass	AV	5.5068G	99.45	Inf	-Inf	3	Vertical	172	2.66	-
5510MHz	Pass	PK	5.4684G	66.00	68.20	-2.20	3	Vertical	172	2.66	-
5510MHz	Pass	PK	5.5068G	110.86	Inf	-Inf	3	Vertical	172	2.66	-
5510MHz	Pass	AV	5.46G	47.27	54.00	-6.73	3	Horizontal	58	2.16	-
5510MHz	Pass	AV	5.506G	95.13	Inf	-Inf	3	Horizontal	58	2.16	-
5510MHz	Pass	PK	5.468G	64.27	68.20	-3.93	3	Horizontal	58	2.16	-
5510MHz	Pass	PK	5.4964G	105.62	Inf	-Inf	3	Horizontal	58	2.16	-
5510MHz	Pass	AV	11.01464G	45.30	54.00	-8.70	3	Vertical	287	1.38	-
5510MHz	Pass	PK	11.0272G	56.48	74.00	-17.52	3	Vertical	287	1.38	-
5510MHz	Pass	AV	11.03096G	45.15	54.00	-8.85	3	Horizontal	38	1.21	-
5510MHz	Pass	PK	11.01432G	56.56	74.00	-17.44	3	Horizontal	38	1.21	-
5550MHz	Pass	AV	5.46G	45.75	54.00	-8.25	3	Vertical	173	2.48	-
5550MHz	Pass	AV	5.5468G	99.47	Inf	-Inf	3	Vertical	173	2.48	-
5550MHz	Pass	PK	5.4692G	56.92	68.20	-11.28	3	Vertical	173	2.48	-
5550MHz	Pass	PK	5.5468G	110.90	Inf	-Inf	3	Vertical	173	2.48	-
5550MHz	Pass	AV	5.46G	45.51	54.00	-8.49	3	Horizontal	240	2.89	-
5550MHz	Pass	AV	5.5476G	95.83	Inf	-Inf	3	Horizontal	240	2.89	-
5550MHz	Pass	PK	5.4684G	56.17	68.20	-12.03	3	Horizontal	240	2.89	-
5550MHz	Pass	PK	5.5552G	107.52	Inf	-Inf	3	Horizontal	240	2.89	-
5550MHz	Pass	AV	11.09672G	45.23	54.00	-8.77	3	Vertical	331	1.02	-
5550MHz	Pass	PK	11.09984G	56.61	74.00	-17.39	3	Vertical	331	1.02	-
5550MHz	Pass	AV	11.08912G	45.18	54.00	-8.82	3	Horizontal	94	1.69	-
5550MHz	Pass	PK	11.11736G	56.53	74.00	-17.47	3	Horizontal	94	1.69	-
5670MHz	Pass	AV	5.6838G	98.66	Inf	-Inf	3	Vertical	236	2.24	-
5670MHz	Pass	PK	5.6658G	108.12	Inf	-Inf	3	Vertical	236	2.24	-
5670MHz	Pass	PK	5.7318G	61.27	68.20	-6.93	3	Vertical	236	2.24	-
5670MHz	Pass	AV	5.6796G	95.57	Inf	-Inf	3	Horizontal	60	2.11	-