

FCC Test Report

FCC ID : Q9DAPEX0565567
Equipment : Wireless Access Point
Brand Name : aruba 、 Hewlett Packard Enterprise
Model Name : APEX0565, APEX0567
Applicant : Hewlett Packard Enterprise Company
3333 Scott Blvd Santa Clara, CA. 95054
Manufacturer : Hewlett Packard Enterprise Company
3333 Scott Blvd Santa Clara, CA. 95054
Standard : 47 CFR FCC Part 15.407

The product was received on Apr. 30, 2020, and testing was started from May 14, 2020 and completed on Jul. 21, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, 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	19
1.3 Testing Location Information	19
1.4 Measurement Uncertainty	20
2 TEST CONFIGURATION OF EUT.....	21
2.1 Test Condition	21
2.2 Test Channel Mode	21
2.3 The Worst Case Measurement Configuration.....	33
2.4 Support Equipment.....	34
2.5 Test Setup Diagram	35
3 TRANSMITTER TEST RESULT	36
3.1 Emission Bandwidth	36
3.2 Maximum Conducted Output Power	37
3.3 Peak Power Spectral Density.....	39
3.4 Unwanted Emissions.....	41
4 TEST EQUIPMENT AND CALIBRATION DATA.....	45
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: Q9DAPEX0565567

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:

According to the applicant's requirements, The Beamforming Function refer as "Letter of Beamforming Declaration".

Reviewed by: Sam Tsai

Report Producer: Jenny Yang

1 General Description

1.1 Information

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]

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX

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

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.
- ♦ The resource unit of HEW 20, HEW 40, HEW 80 only support full loading.

1.1.2 Antenna Information
Sample 1

Ant.	Brand	Model Name	Antenna Type	Connector
1	HL Technologies	N/A	Dipole (omnidirectional)	MMCX
2	HL Technologies	N/A	Dipole (omnidirectional)	MMCX
3	HL Technologies	N/A	PIFA	Mini Murata

Ant.	Gain (dBi)					
	2.4G		5G		BT	Zigbee
	Vertical polarized	Horizontal polarized	Vertical polarized	Horizontal polarized		
1	-	3.2 dBi	-	5.4 dBi	-	-
2	3.2 dBi	-	5.4 dBi	-	-	-
3	-	-	-	-	3.3 dBi	3.3 dBi

Sample 2

Ant.	Brand	Model Name	Antenna Type	Connector
4	Shanghai Amphenol Airwave Communication Electronics Co., Ltd.	N/A	Dipole (directivity)	MMCX
5	Shanghai Amphenol Airwave Communication Electronics Co., Ltd.	N/A	Dipole (directivity)	MMCX
6	Shanghai Amphenol Airwave Communication Electronics Co., Ltd.	N/A	monopole	Mini Murata

Ant.	Gain (dBi)					
	2.4G		5G		BT	Zigbee
	+45 degree	-45 degree	+45 degree	-45 degree		
4	-	6.8 dBi	-	7.1 dBi	-	-
5	6.8 dBi	-	7.1 dBi	-	-	-
6	-	-	-	-	3 dBi	3 dBi

Ant.	Elevation angle above 30 degrees Gain (dBi)	
	5G	
1~2	3.3	
4~5	7.1	

Note 1: The EUT has six antennas.

Note 2: The antenna for each mode is cross polarized.

For 2.4GHz function:

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

Ant. 1 (Ant. 4) and Ant. 2 (Ant. 5) could transmit/receive simultaneously.

Cross-polarized antenna combination is Ant. 1 (Ant. 4) and Ant. 2 (Ant. 5).

For BT function:

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

Only Ant. 3 (Ant. 6) can be used as transmitting/receiving antenna.

For 5GHz function:

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

Ant. 1 (Ant. 4) and Ant. 2 (Ant. 5) could transmit/receive simultaneously.

Cross-polarized antenna combination is Ant. 1 (Ant. 4) and Ant. 2 (Ant. 5).

For Zigbee function:

Only Ant. 3 (Ant. 6) can be used as transmitting/receiving antenna.

1.1.3 EUT Information

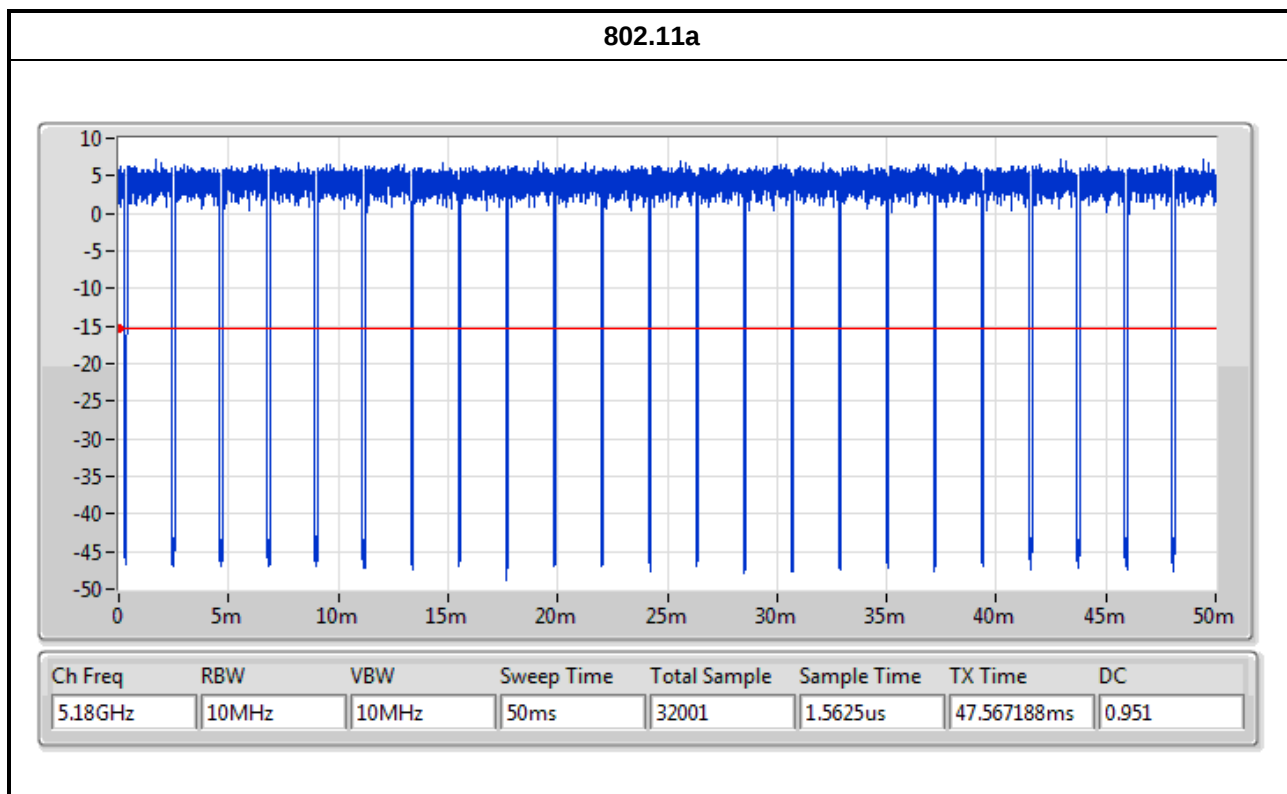
Identify EUT				
FW Version	RVAB-A65 V1.0			
Operational Condition				
EUT Power Type	From PoE			
EUT Function	☒	Outdoor AP	☒	Indoor AP
	☐	Fixed P2P AP	☐	Outdoor/Indoor Client
Beamforming Function	☒	With beamforming	☐	Without beamforming
TPC Function	☒	With TPC Function	☐	Without TPC Function
Weather 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:			

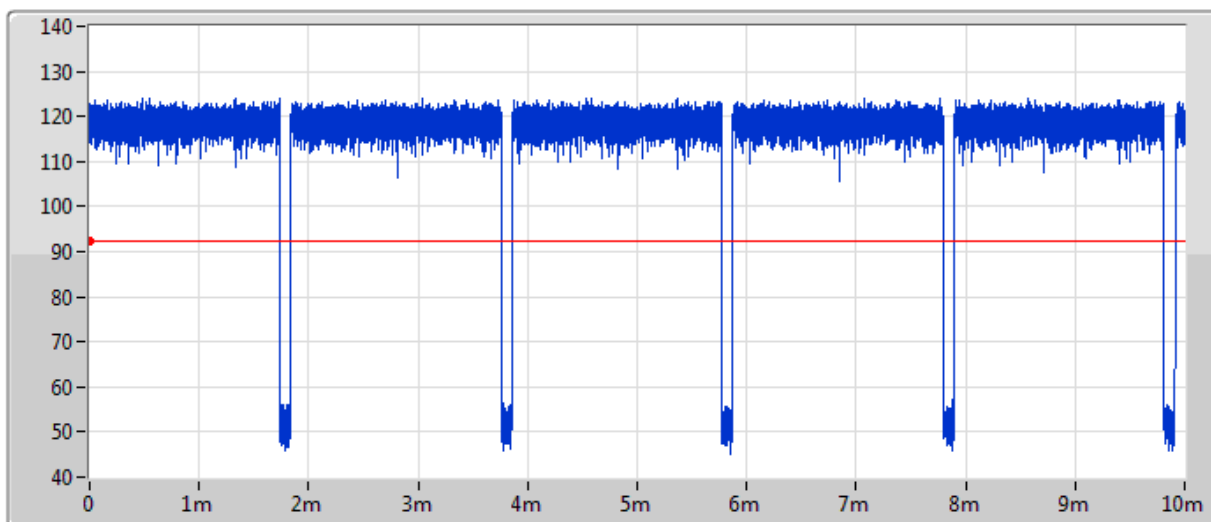
1.1.4 Mode Test Duty Cycle

Sample 1

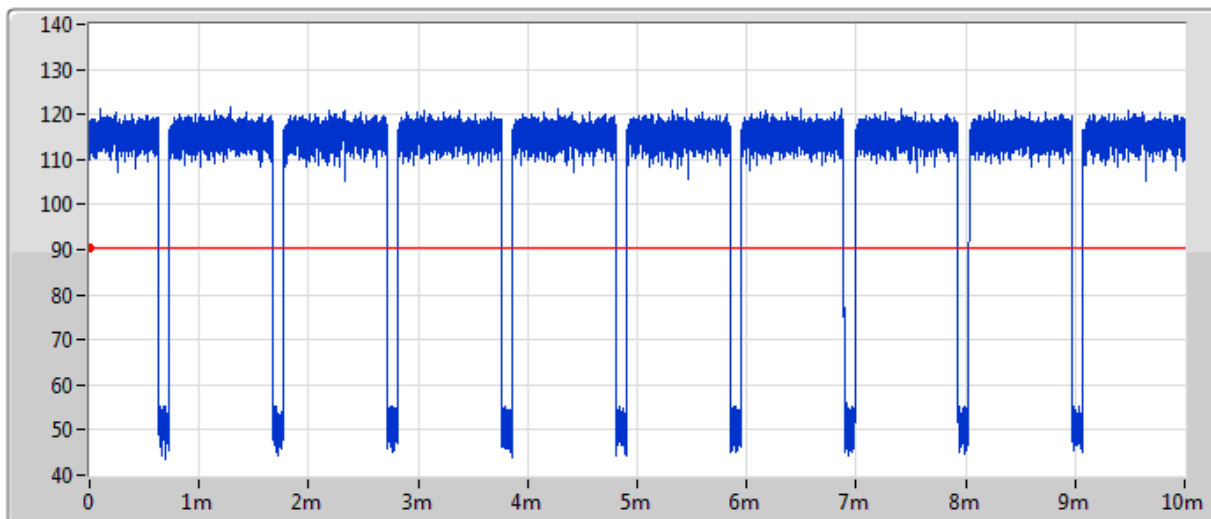
Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.951	0.22	2.066m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.951	0.22	1.921m	1k
802.11n HT40_Nss1,(MCS0)_2TX	0.911	0.4	944.375u	3k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.986	0.06	1.93m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.972	0.12	954.688u	3k
802.11ac 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.

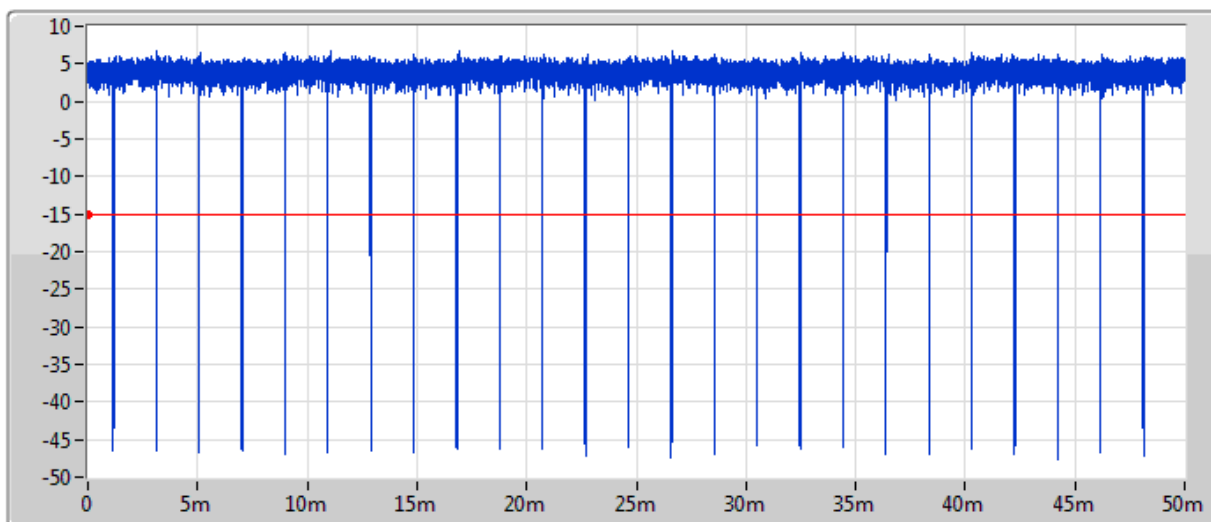


802.11n HT20


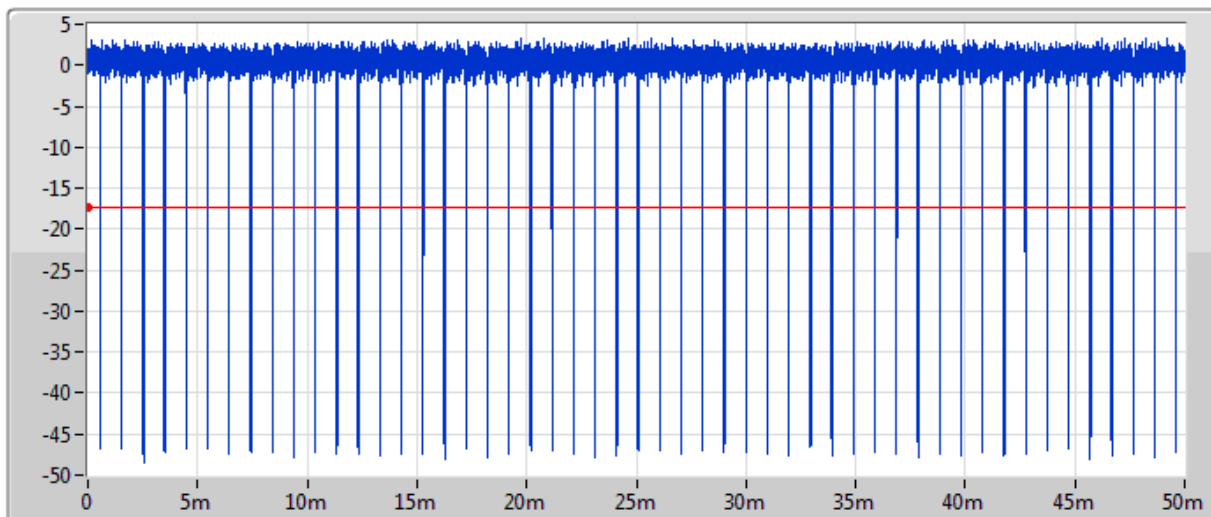
Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.18GHz	10MHz	10MHz	10ms	32001	312.5ns	9.505938ms	0.951

802.11n HT40


Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.19GHz	10MHz	10MHz	10ms	32001	312.5ns	9.109688ms	0.911

802.11ac VHT20


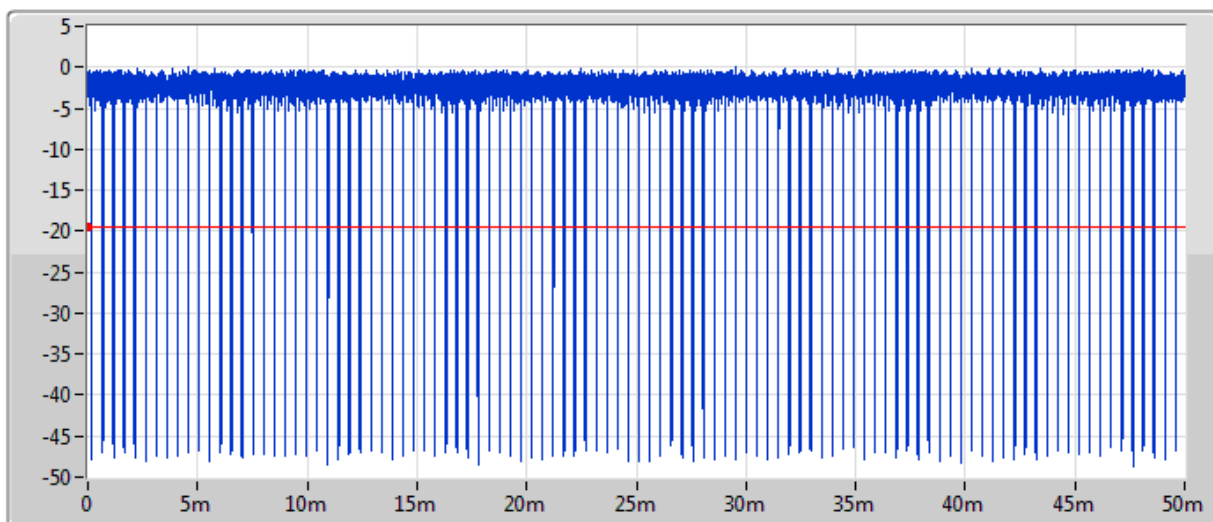
Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.18GHz	10MHz	10MHz	50ms	32001	1.5625us	49.307812ms	0.986

802.11ac VHT40


Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.19GHz	10MHz	10MHz	50ms	32001	1.5625us	48.579688ms	0.972

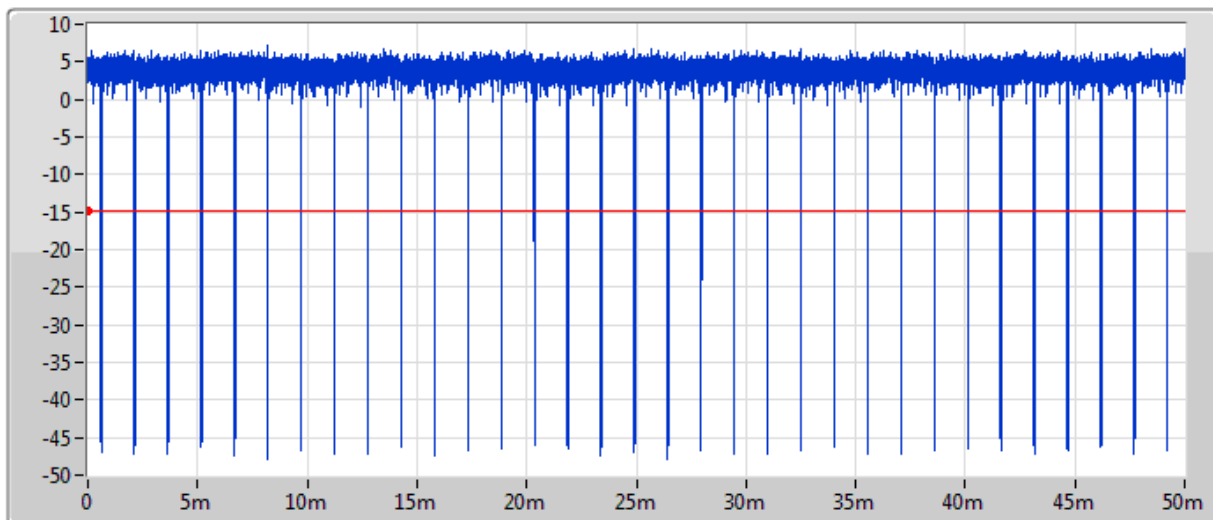


802.11ac VHT80

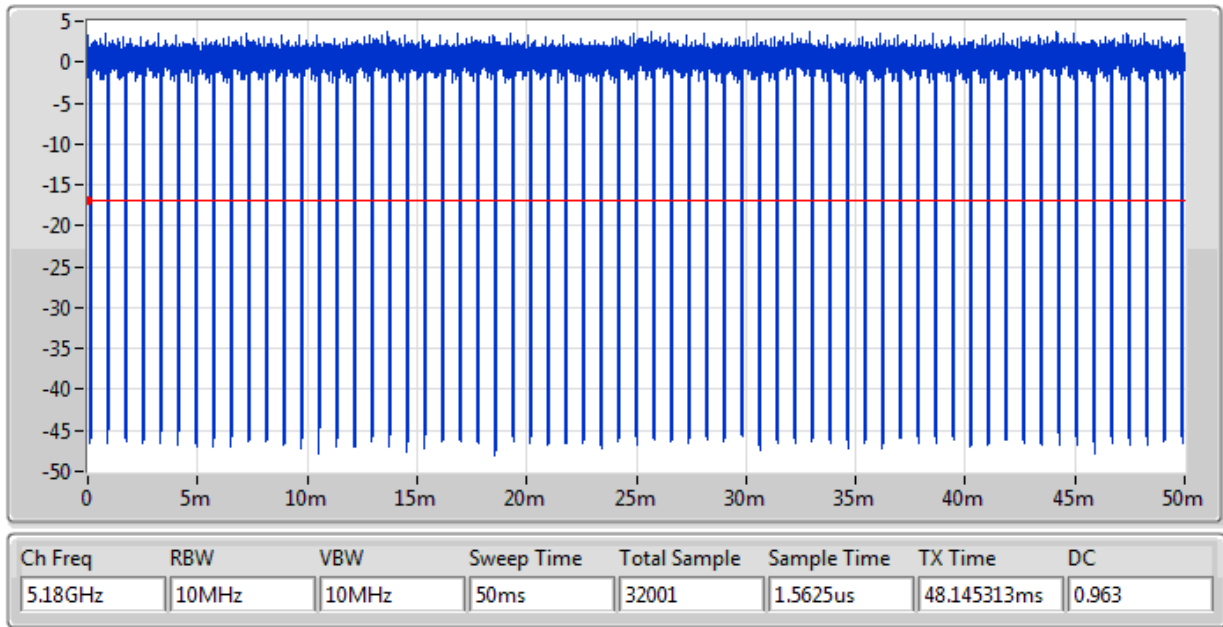
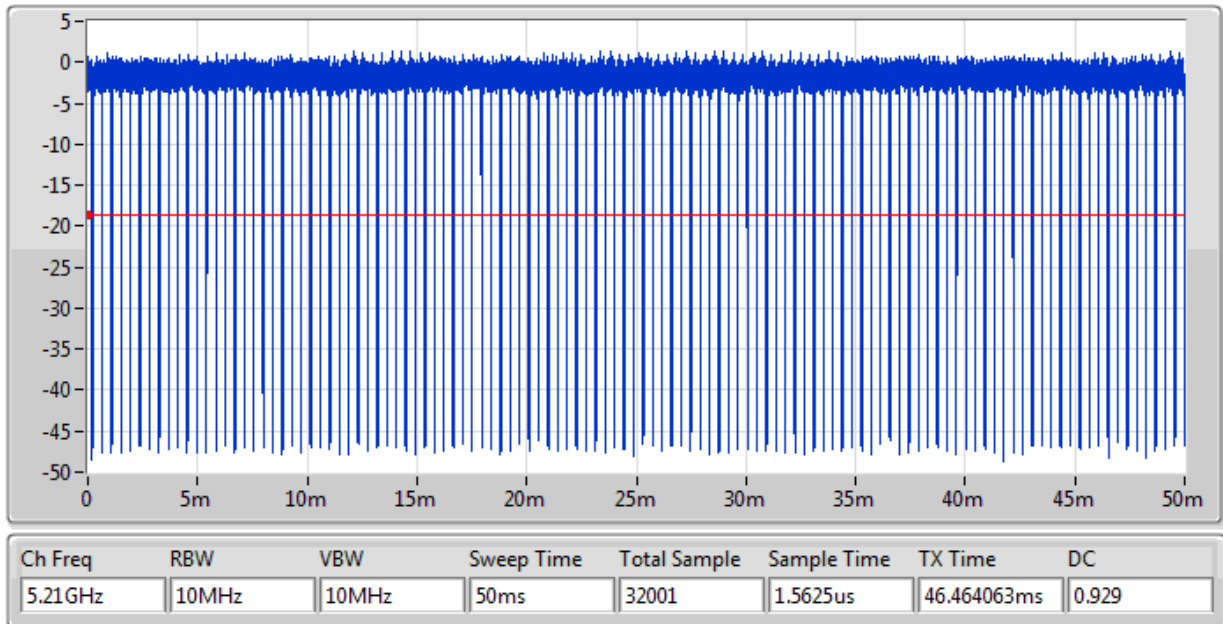


Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.21GHz	10MHz	10MHz	50ms	32001	1.5625us	47.175ms	0.943

802.11ax HEW20



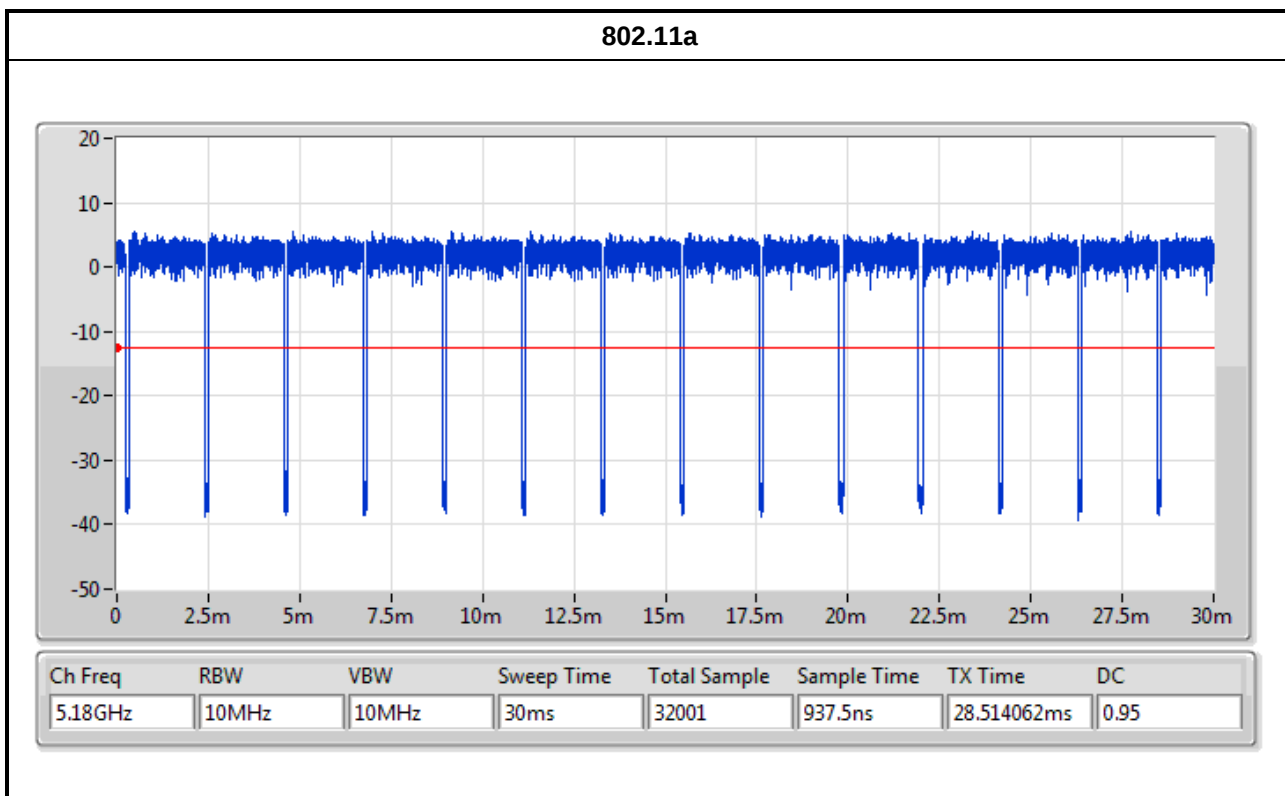
Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.18GHz	10MHz	10MHz	50ms	32001	1.5625us	49.001563ms	0.98

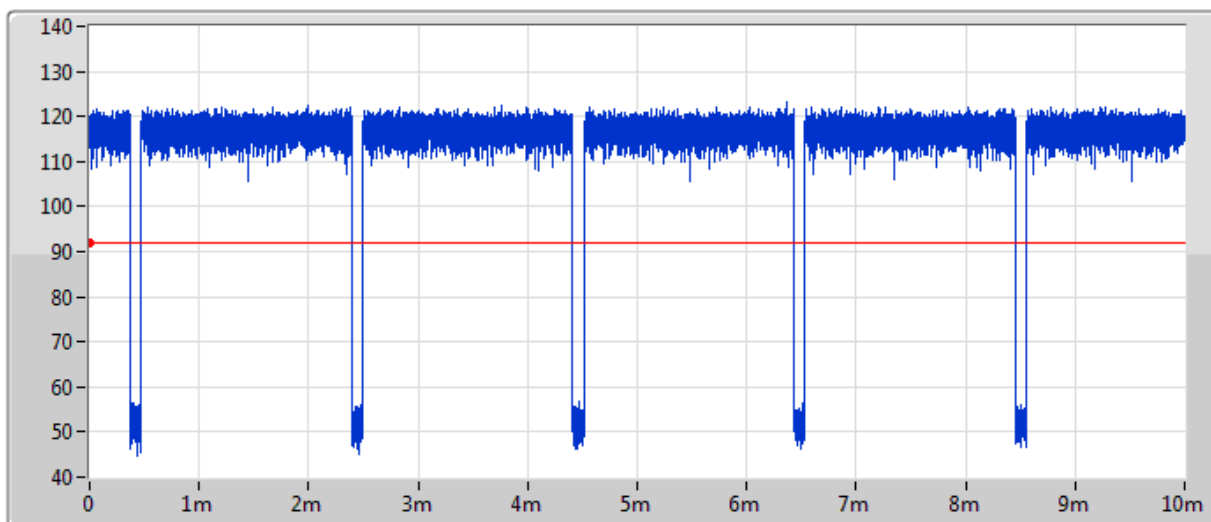
802.11ax HEW40

802.11ax HEW80


Sample 2

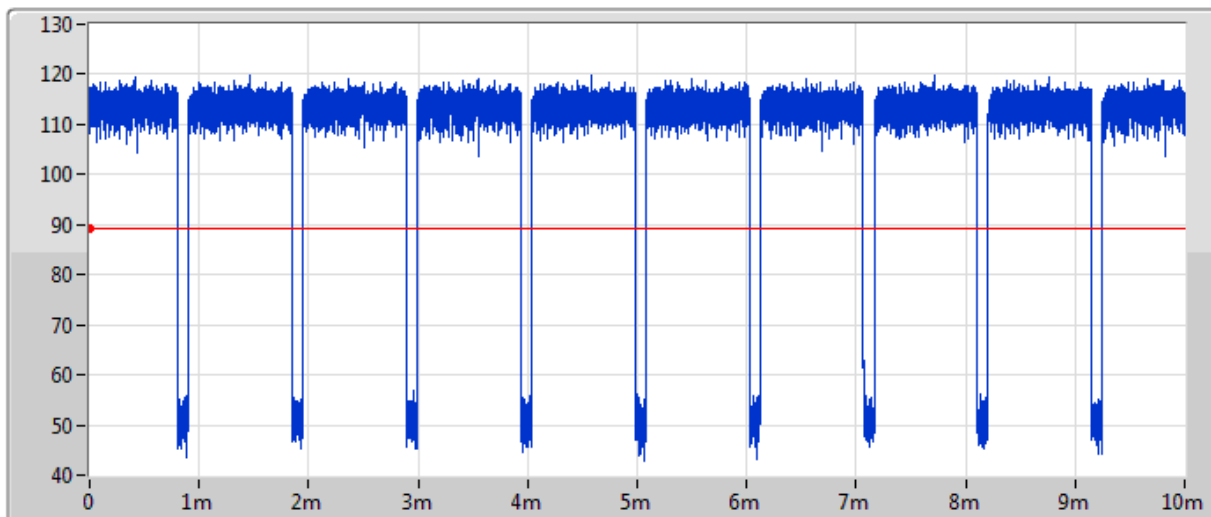
Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a_Nss1,(6Mbps)_2TX	0.95	0.22	2.065m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.95	0.22	1.92m	1k
802.11n HT40_Nss1,(MCS0)_2TX	0.911	0.4	944.375u	3k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.985	0.07	1.929m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.971	0.13	953.437u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.942	0.26	461.25u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.979	0.09	1.489m	1k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.962	0.16	773.437u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.927	0.32	402.187u	3k

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

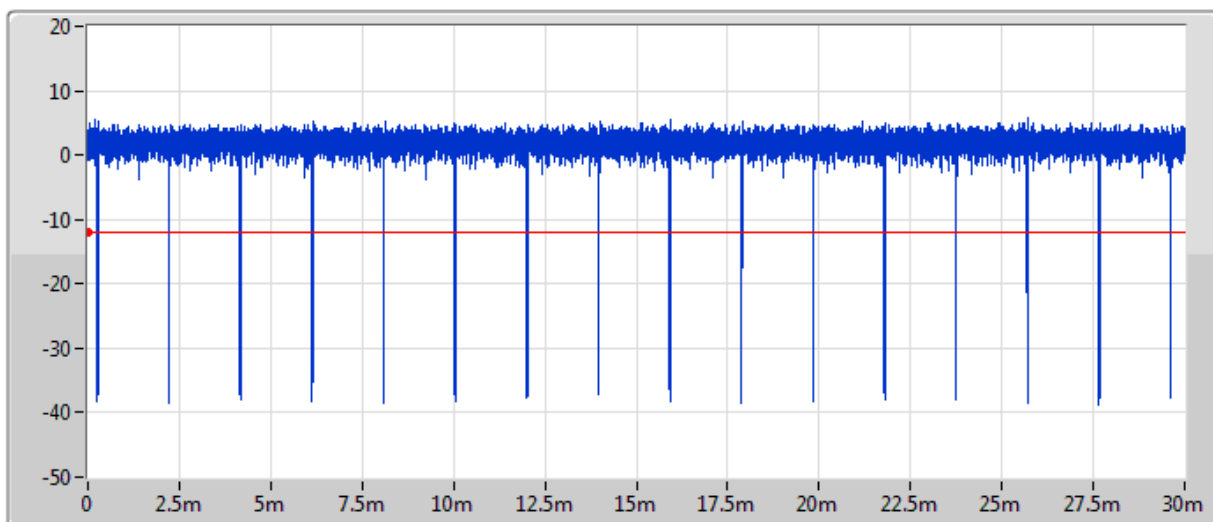


802.11n HT20


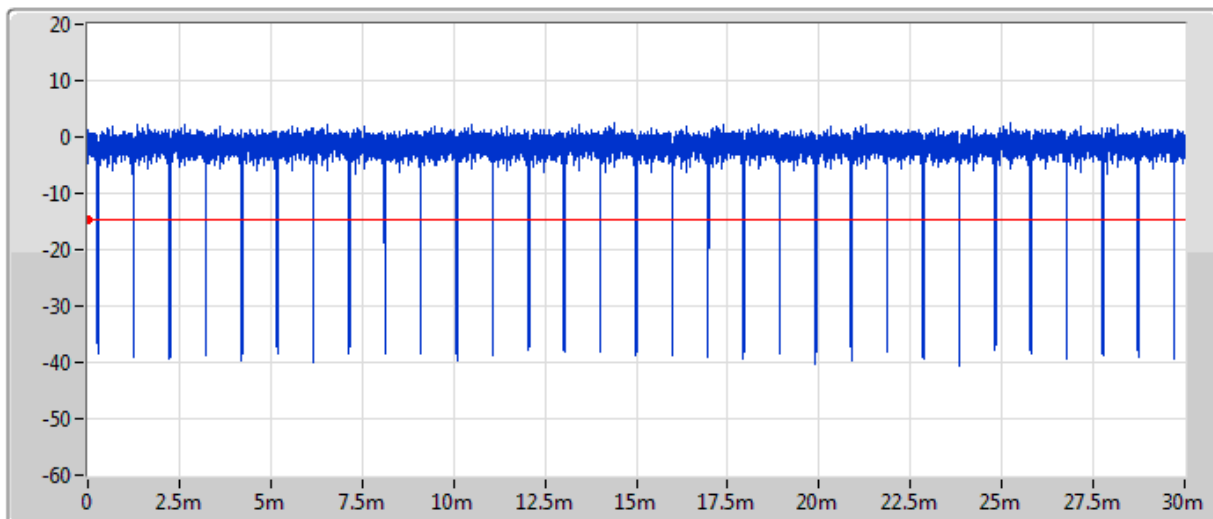
Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.18GHz	10MHz	10MHz	10ms	32001	312.5ns	9.505ms	0.95

802.11n HT40


Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.19GHz	10MHz	10MHz	10ms	32001	312.5ns	9.11ms	0.911

802.11ac VHT20


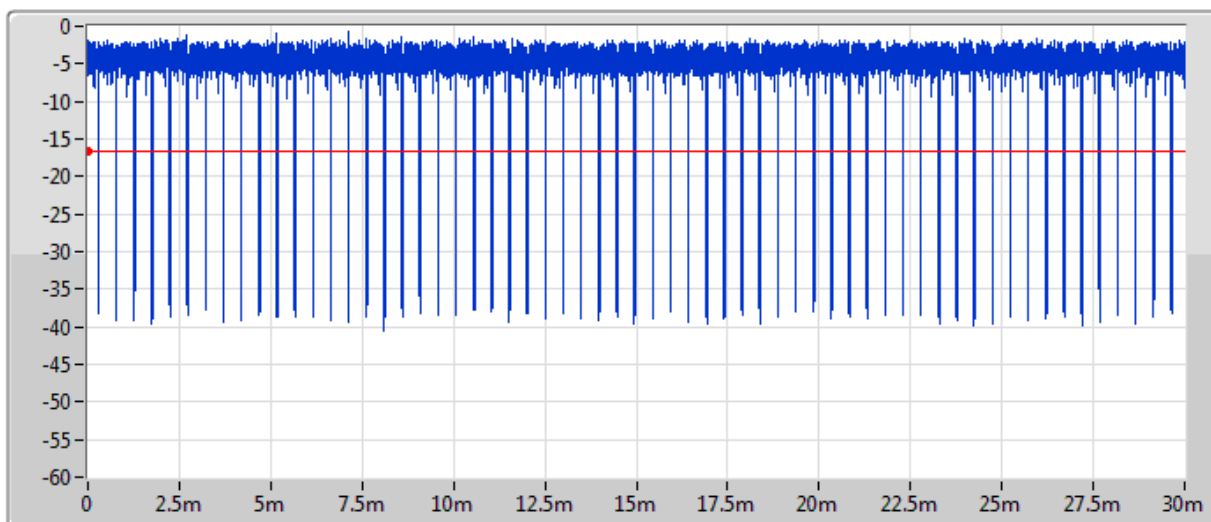
Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.18GHz	10MHz	10MHz	30ms	32001	937.5ns	29.544375ms	0.985

802.11ac VHT40


Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.19GHz	10MHz	10MHz	30ms	32001	937.5ns	29.116875ms	0.971

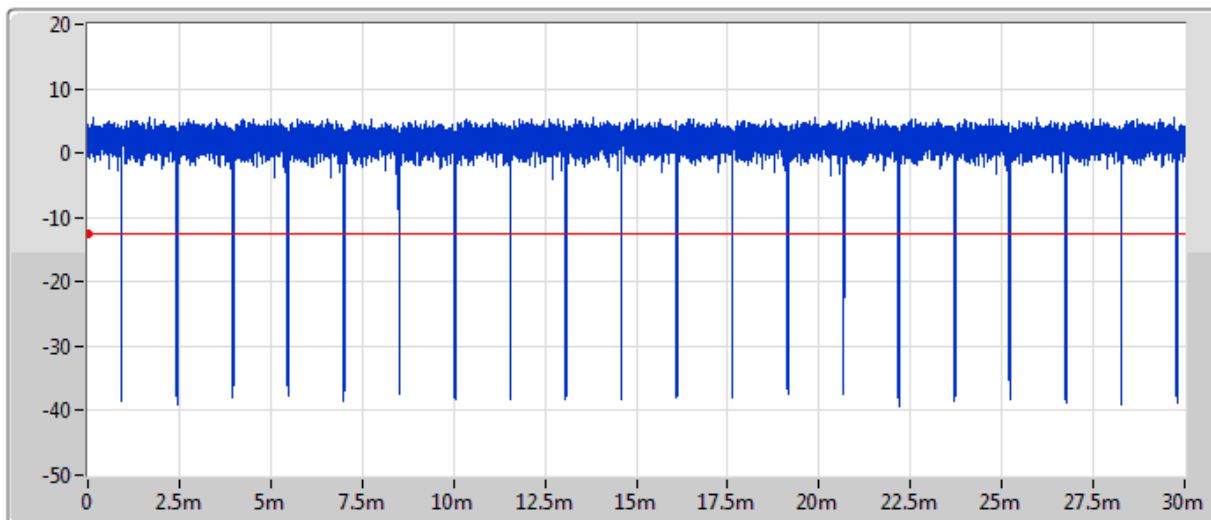


802.11ac VHT80

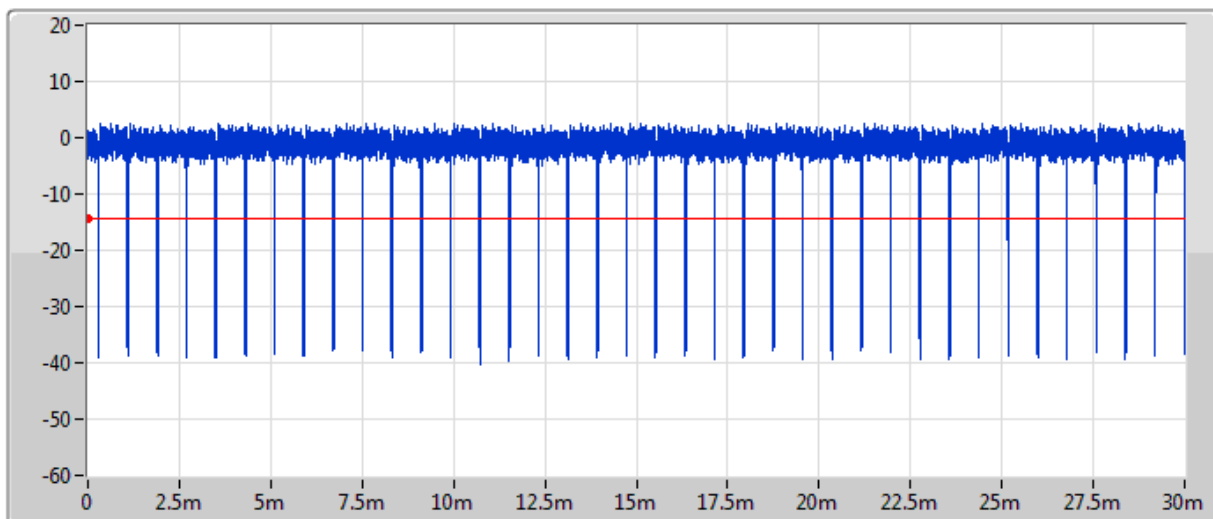


Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.21GHz	10MHz	10MHz	30ms	32001	937.5ns	28.274062ms	0.942

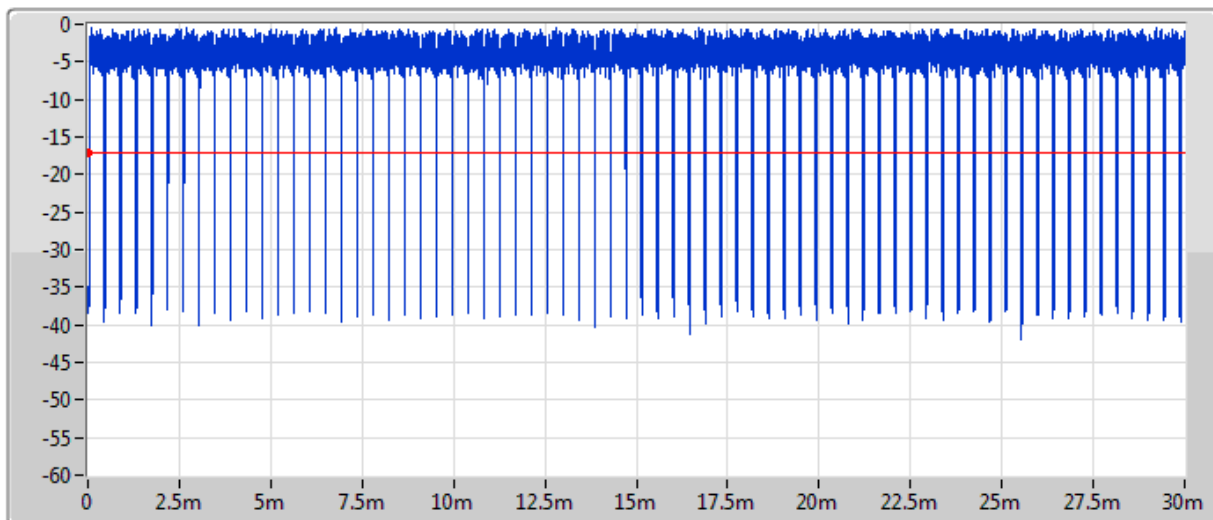
802.11ax HEW20



Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.18GHz	10MHz	10MHz	30ms	32001	937.5ns	29.38125ms	0.979

802.11ax HEW40


Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.19GHz	10MHz	10MHz	30ms	32001	937.5ns	28.86375ms	0.962

802.11ax HEW80


Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
5.21GHz	10MHz	10MHz	30ms	32001	937.5ns	27.824062ms	0.927

1.1.5 Table for Multiple Listing

Sample Number	Model Name	Description
1	APEX0565	There are two Samples for EUT. The only difference between Sample 1 and Sample 2 is the Antenna. For detailed specifications, please refer to section 1.1.2.
2	APEX0567	

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR042903AN

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

Modifications	Performance Checking
U-NII-2A and UNII-2C were added.	All

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

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			
☒	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Barry Hsiao	22.1~25.9°C / 54~60%	15/May/2020~ 30/Jun/2020
Radiated	03CH09-HY	Daniel Hsu	22.3~23.7°C / 53~ 59%	14/May/2020~ 21/Jul/2020

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
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
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	MTool_3_1_0_5
-----------------------	---------------

indoor Sample 1

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	85
5300MHz	85
5320MHz	86
5500MHz	80
5580MHz	88
5700MHz	78
5720MHz Straddle 5.47-5.725GHz	85
5720MHz Straddle 5.725-5.85GHz	85
802.11n HT20_Nss1,(MCS0)_2TX	-
5260MHz	83
5300MHz	84
5320MHz	84
5500MHz	81
5580MHz	86
5700MHz	66
5720MHz Straddle 5.47-5.725GHz	84
5720MHz Straddle 5.725-5.85GHz	84
802.11n HT40_Nss1,(MCS0)_2TX	-
5270MHz	84
5310MHz	80
5510MHz	79
5550MHz	85
5670MHz	82



Mode	Power Setting
5710MHz Straddle 5.47-5.725GHz	84
5710MHz Straddle 5.725-5.85GHz	84
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	83
5300MHz	84
5320MHz	84
5500MHz	81
5580MHz	86
5700MHz	66
5720MHz Straddle 5.47-5.725GHz	84
5720MHz Straddle 5.725-5.85GHz	84
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	84
5310MHz	80
5510MHz	79
5550MHz	85
5670MHz	82
5710MHz Straddle 5.47-5.725GHz	84
5710MHz Straddle 5.725-5.85GHz	84
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	81
5530MHz	81
5610MHz	84
5690MHz Straddle 5.47-5.725GHz	86
5690MHz Straddle 5.725-5.85GHz	86
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	83
5300MHz	84
5320MHz	84
5500MHz	81
5580MHz	86
5700MHz	66
5720MHz Straddle 5.47-5.725GHz	84
5720MHz Straddle 5.725-5.85GHz	84
802.11ax HEW40_Nss1,(MCS0)_2TX	-



Mode	Power Setting
5270MHz	84
5310MHz	80
5510MHz	79
5550MHz	85
5670MHz	82
5710MHz Straddle 5.47-5.725GHz	84
5710MHz Straddle 5.725-5.85GHz	84
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	81
5530MHz	81
5610MHz	84
5690MHz Straddle 5.47-5.725GHz	86
5690MHz Straddle 5.725-5.85GHz	86

**indoor Sample 2**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	79
5300MHz	80
5320MHz	80
5500MHz	79
5580MHz	83
5700MHz	72
5720MHz Straddle 5.47-5.725GHz	78
5720MHz Straddle 5.725-5.85GHz	78
802.11n HT20_Nss1,(MCS0)_2TX	-
5260MHz	78
5300MHz	79
5320MHz	79
5500MHz	80
5580MHz	81
5700MHz	65
5720MHz Straddle 5.47-5.725GHz	78
5720MHz Straddle 5.725-5.85GHz	78
802.11n HT40_Nss1,(MCS0)_2TX	-
5270MHz	77
5310MHz	78
5510MHz	76
5550MHz	80
5670MHz	78
5710MHz Straddle 5.47-5.725GHz	80
5710MHz Straddle 5.725-5.85GHz	80
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	78
5300MHz	79
5320MHz	79
5500MHz	80
5580MHz	81
5700MHz	65
5720MHz Straddle 5.47-5.725GHz	78



Mode	Power Setting
5720MHz Straddle 5.725-5.85GHz	78
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	77
5310MHz	78
5510MHz	76
5550MHz	80
5670MHz	78
5710MHz Straddle 5.47-5.725GHz	80
5710MHz Straddle 5.725-5.85GHz	80
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	79
5530MHz	78
5610MHz	79
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	78
5300MHz	79
5320MHz	79
5500MHz	80
5580MHz	81
5700MHz	65
5720MHz Straddle 5.47-5.725GHz	78
5720MHz Straddle 5.725-5.85GHz	78
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	77
5310MHz	78
5510MHz	76
5550MHz	80
5670MHz	78
5710MHz Straddle 5.47-5.725GHz	80
5710MHz Straddle 5.725-5.85GHz	80
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	79
5530MHz	78



Mode	Power Setting
5610MHz	79
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80

**outdoor Sample 1**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	85
5300MHz	85
5320MHz	86
5500MHz	80
5580MHz	88
5700MHz	78
5720MHz Straddle 5.47-5.725GHz	85
5720MHz Straddle 5.725-5.85GHz	85
802.11n HT20_Nss1,(MCS0)_2TX	-
5260MHz	83
5300MHz	84
5320MHz	84
5500MHz	81
5580MHz	86
5700MHz	66
5720MHz Straddle 5.47-5.725GHz	84
5720MHz Straddle 5.725-5.85GHz	84
802.11n HT40_Nss1,(MCS0)_2TX	-
5270MHz	84
5310MHz	80
5510MHz	79
5550MHz	85
5670MHz	82
5710MHz Straddle 5.47-5.725GHz	84
5710MHz Straddle 5.725-5.85GHz	84
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	83
5300MHz	84
5320MHz	84
5500MHz	81
5580MHz	86
5700MHz	66
5720MHz Straddle 5.47-5.725GHz	84



Mode	Power Setting
5720MHz Straddle 5.725-5.85GHz	84
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	84
5310MHz	80
5510MHz	79
5550MHz	85
5670MHz	82
5710MHz Straddle 5.47-5.725GHz	84
5710MHz Straddle 5.725-5.85GHz	84
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	81
5530MHz	81
5610MHz	84
5690MHz Straddle 5.47-5.725GHz	86
5690MHz Straddle 5.725-5.85GHz	86
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	83
5300MHz	84
5320MHz	84
5500MHz	81
5580MHz	86
5700MHz	66
5720MHz Straddle 5.47-5.725GHz	84
5720MHz Straddle 5.725-5.85GHz	84
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	84
5310MHz	80
5510MHz	79
5550MHz	85
5670MHz	82
5710MHz Straddle 5.47-5.725GHz	84
5710MHz Straddle 5.725-5.85GHz	84
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	81
5530MHz	81



Mode	Power Setting
5610MHz	84
5690MHz Straddle 5.47-5.725GHz	86
5690MHz Straddle 5.725-5.85GHz	86

**outdoor Sample 2**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	79
5300MHz	80
5320MHz	80
5500MHz	79
5580MHz	83
5700MHz	72
5720MHz Straddle 5.47-5.725GHz	78
5720MHz Straddle 5.725-5.85GHz	78
802.11n HT20_Nss1,(MCS0)_2TX	-
5260MHz	78
5300MHz	79
5320MHz	79
5500MHz	80
5580MHz	81
5700MHz	65
5720MHz Straddle 5.47-5.725GHz	78
5720MHz Straddle 5.725-5.85GHz	78
802.11n HT40_Nss1,(MCS0)_2TX	-
5270MHz	77
5310MHz	78
5510MHz	76
5550MHz	80
5670MHz	78
5710MHz Straddle 5.47-5.725GHz	80
5710MHz Straddle 5.725-5.85GHz	80
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	78
5300MHz	79
5320MHz	79
5500MHz	80
5580MHz	81
5700MHz	65
5720MHz Straddle 5.47-5.725GHz	78

Mode	Power Setting
5720MHz Straddle 5.725-5.85GHz	78
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	77
5310MHz	78
5510MHz	76
5550MHz	80
5670MHz	78
5710MHz Straddle 5.47-5.725GHz	80
5710MHz Straddle 5.725-5.85GHz	80
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	79
5530MHz	78
5610MHz	79
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	78
5300MHz	79
5320MHz	79
5500MHz	80
5580MHz	81
5700MHz	65
5720MHz Straddle 5.47-5.725GHz	78
5720MHz Straddle 5.725-5.85GHz	78
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	77
5310MHz	78
5510MHz	76
5550MHz	80
5670MHz	78
5710MHz Straddle 5.47-5.725GHz	80
5710MHz Straddle 5.725-5.85GHz	80
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	79
5530MHz	78



Mode	Power Setting
5610MHz	79
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80

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.		
1	PoE Mode; Sample 1		
2	PoE Mode; Sample 2		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz + WLAN 5GHz + Bluetooth
Refer to Sporton Test Report No.: FA042903-01 for Co-location RF Exposure Evaluation.	

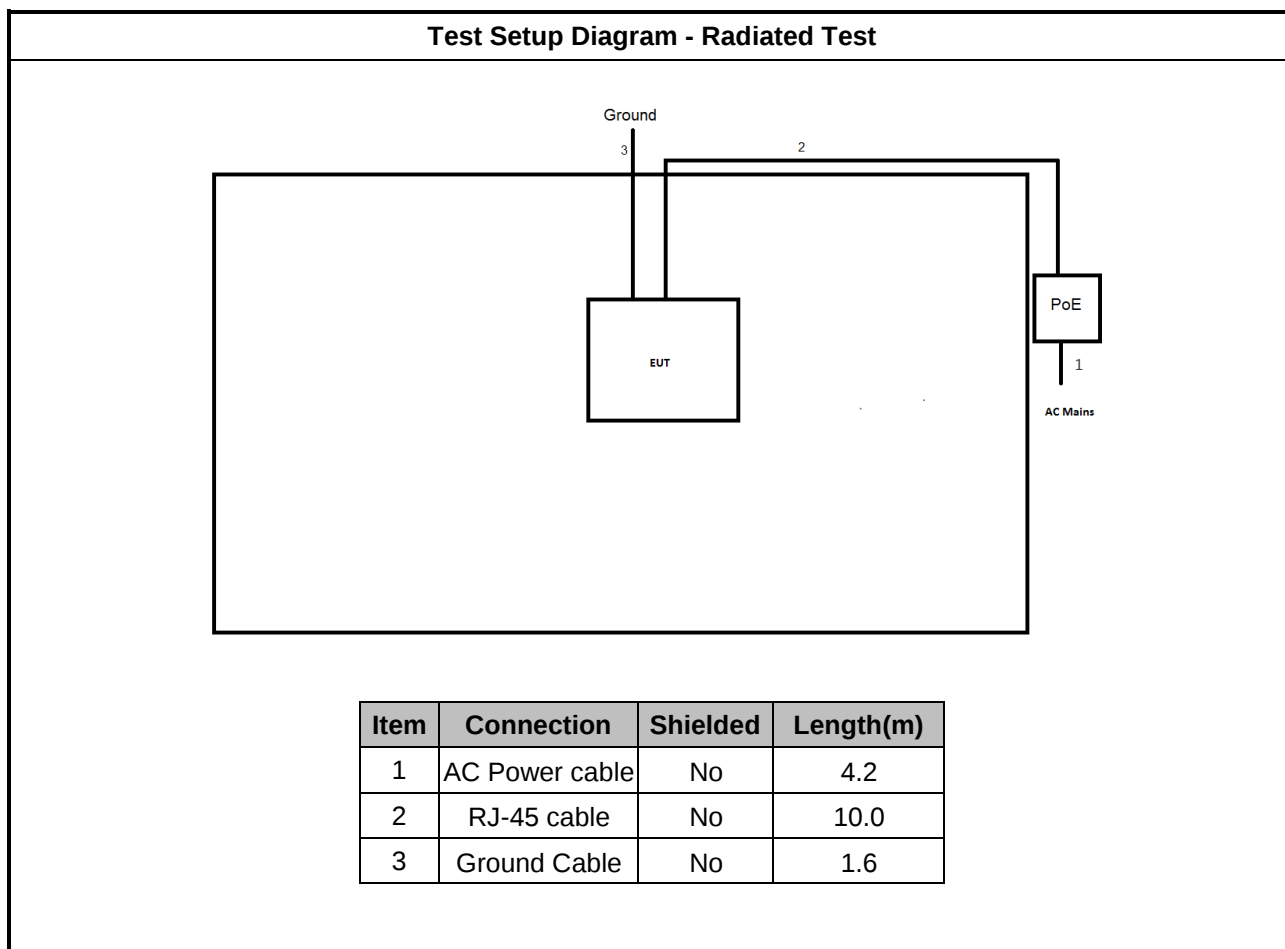
2.4 Support Equipment

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

Support Equipment –Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Ground Cable	SPORTON	SPORTON	-	-
2	RJ-45 Cable	Power Sync	CAT-6E-10	-	-
3	PoE	Microsemi	PD-9001GO/AC-INTL	-	Note 1 / Remote

Note 1: Support equipment No.3 was provided by customer.

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

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

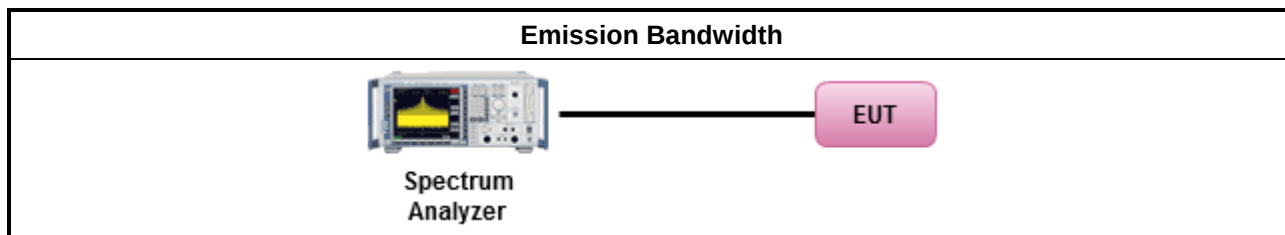
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☐ For the 5.15-5.25 GHz band:	
☐	- Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] - Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ - Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. - Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 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 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.	

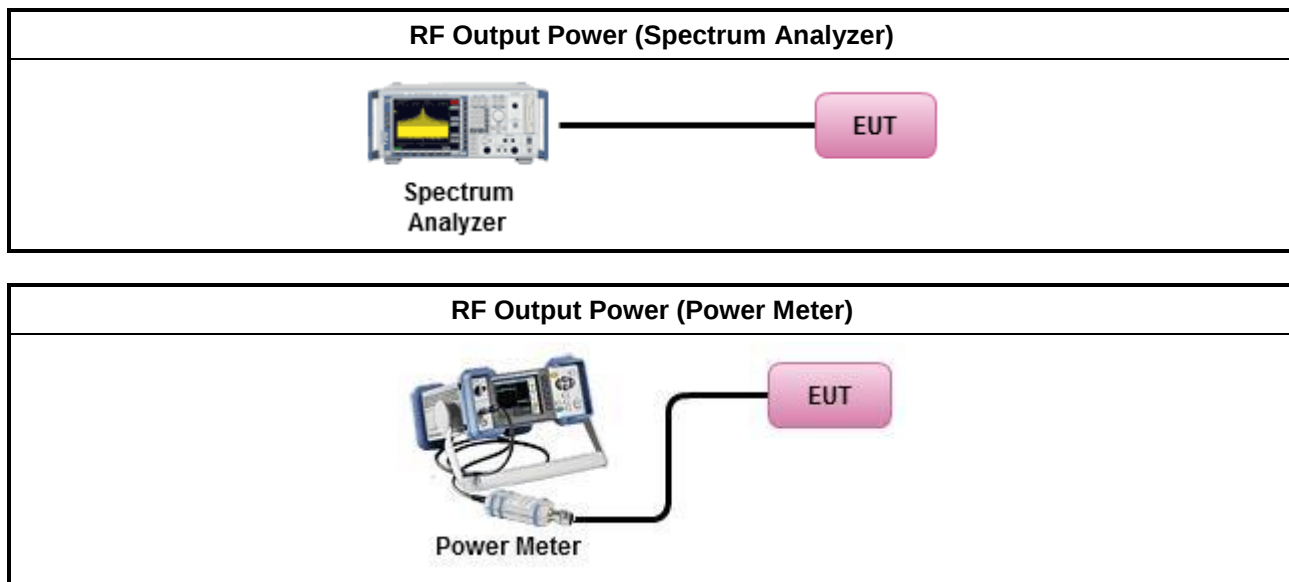
3.2.2 Measuring Instruments

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: $EIRP_{total} = P_{worst} + DG$

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 he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

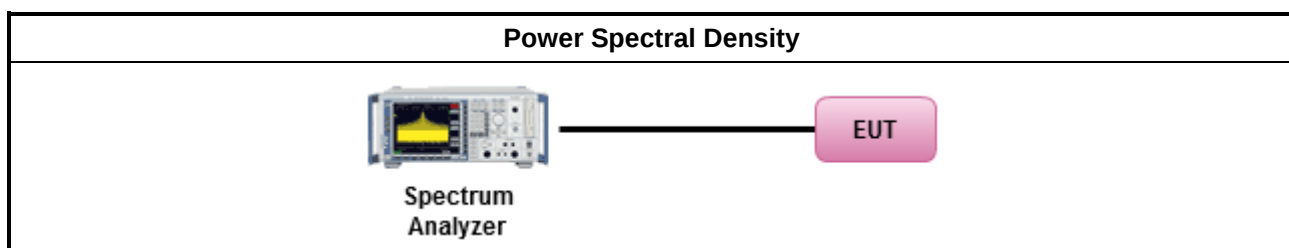
3.3.2 Measuring Instruments

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).

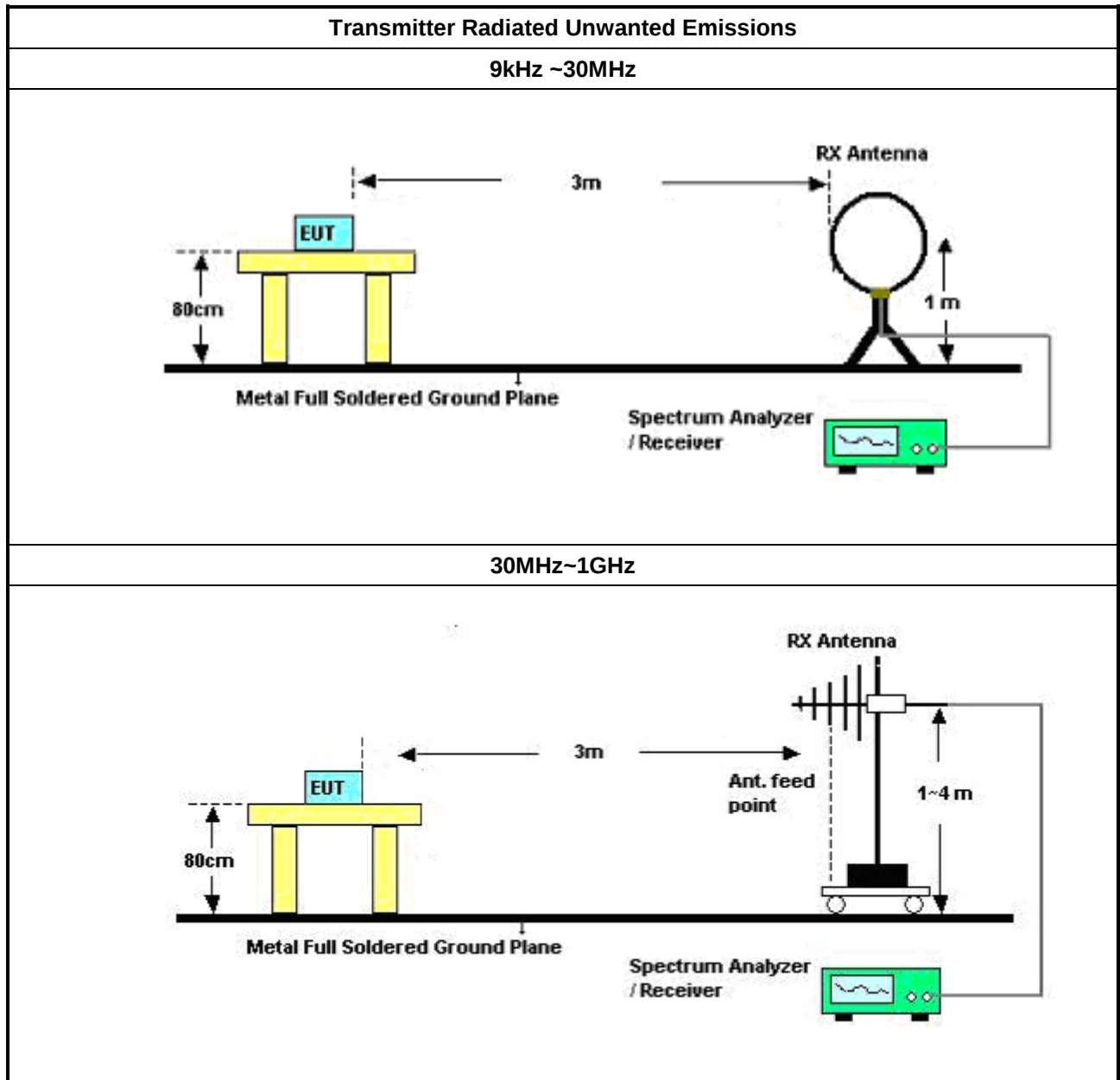
3.4.2 Measuring Instruments

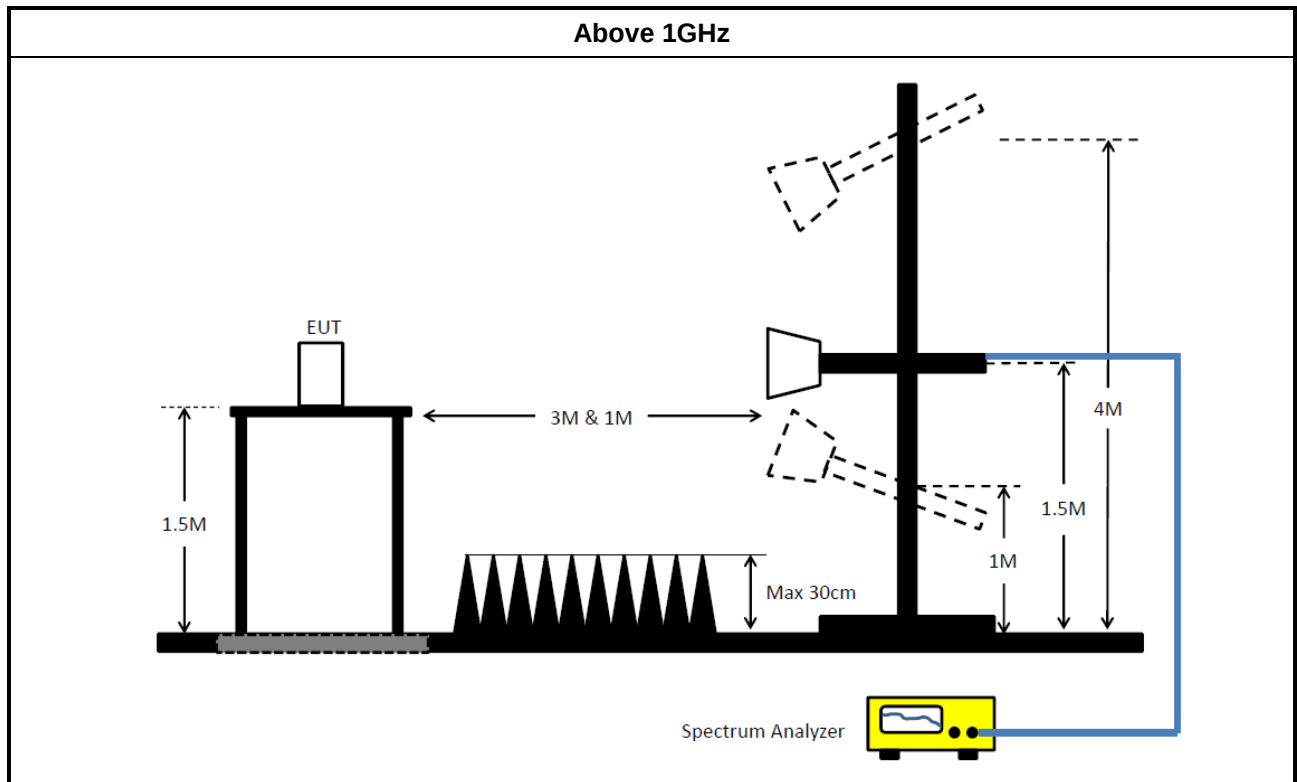
Refer a test equipment and calibration data table in this test report.

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 Test Setup





3.4.5 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.

3.4.6 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
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	19/Mar/2020	18/Mar/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	17/Feb/2020	16/Feb/2021
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	17/Feb/2020	16/Feb/2021

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz	19/Mar/2020	18/Mar/2021
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	04/Sep/2019	03/Sep/2020
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	07/Aug/2019	06/Aug/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	22/May/2019	21/May/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	28/May/2020	27/May/2021
Broadband Horn Antenna	SCHWARZBECK	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
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	324530/4+17173/4	1GHz~40GHz	12/Feb/2020	11/Feb/2021

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	21.75M	16.6M	16M6D1D	21.42M	16.576M
802.11n HT20_Nss1,(MCS0)_2TX	21.81M	17.847M	17M8D1D	21.48M	17.751M
802.11n HT40_Nss1,(MCS0)_2TX	40.32M	36.27M	36M3D1D	39.48M	36.174M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.84M	17.799M	17M8D1D	21.57M	17.751M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.26M	36.27M	36M3D1D	39.9M	36.222M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.96M	75.706M	75M7D1D	81.36M	75.61M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.72M	18.999M	19M0D1D	21.54M	18.951M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.08M	37.613M	37M6D1D	39.78M	37.517M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.2M	76.954M	77M0D1D	81.6M	76.858M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.54M	16.624M	16M6D1D	15.51M	13.276M
802.11n HT20_Nss1,(MCS0)_2TX	21.9M	17.823M	17M8D1D	15.813M	13.908M
802.11n HT40_Nss1,(MCS0)_2TX	40.38M	36.27M	36M3D1D	34.796M	33.025M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.81M	17.799M	17M8D1D	15.716M	13.908M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.38M	36.318M	36M3D1D	34.898M	32.991M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.08M	75.706M	75M7D1D	75.668M	72.386M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.69M	18.999M	19M0D1D	15.634M	14.499M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.2M	37.613M	37M6D1D	34.931M	33.632M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.2M	77.145M	77M1D1D	75.815M	73.123M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.12M	3.868M	3M87D1D	3.105M	3.763M
802.11n HT20_Nss1,(MCS0)_2TX	3.735M	4.228M	4M23D1D	3.735M	4.198M
802.11n HT40_Nss1,(MCS0)_2TX	3.12M	3.463M	3M46D1D	3.105M	3.418M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.735M	4.258M	4M26D1D	3.735M	4.243M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.12M	3.538M	3M54D1D	3.105M	3.478M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.105M	3.598M	3M60D1D	3.105M	3.553M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.44M	4.528M	4M53D1D	4.425M	4.528M
802.11ax HEW40_Nss1,(MCS0)_2TX	3.765M	4.033M	4M03D1D	3.66M	4.018M
802.11ax HEW80_Nss1,(MCS0)_2TX	3.78M	4.033M	4M03D1D	3.12M	4.018M

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	21.75M	16.576M	21.48M	16.6M
5300MHz	Pass	Inf	21.75M	16.576M	21.42M	16.576M
5320MHz	Pass	Inf	21.54M	16.6M	21.45M	16.6M
5500MHz	Pass	Inf	21.36M	16.576M	21.54M	16.624M
5580MHz	Pass	Inf	21.36M	16.6M	21.48M	16.6M
5700MHz	Pass	Inf	21.33M	16.576M	21.54M	16.624M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.51M	13.276M	15.565M	13.358M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.868M	3.12M	3.763M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.81M	17.847M	21.51M	17.751M
5300MHz	Pass	Inf	21.72M	17.799M	21.48M	17.751M
5320MHz	Pass	Inf	21.81M	17.823M	21.51M	17.775M
5500MHz	Pass	Inf	21.9M	17.823M	21.57M	17.727M
5580MHz	Pass	Inf	21.75M	17.799M	21.51M	17.727M
5700MHz	Pass	Inf	21.78M	17.775M	21.6M	17.751M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.854M	13.963M	15.813M	13.908M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.735M	4.228M	3.735M	4.198M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.32M	36.174M	39.48M	36.27M
5310MHz	Pass	Inf	40.2M	36.27M	39.48M	36.222M
5510MHz	Pass	Inf	40.32M	36.27M	39.6M	36.222M
5550MHz	Pass	Inf	40.2M	36.222M	39.48M	36.222M
5670MHz	Pass	Inf	40.38M	36.222M	39.54M	36.222M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.168M	33.025M	34.796M	33.058M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.463M	3.12M	3.418M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.81M	17.751M	21.72M	17.775M
5300MHz	Pass	Inf	21.81M	17.775M	21.63M	17.751M
5320MHz	Pass	Inf	21.84M	17.799M	21.57M	17.775M
5500MHz	Pass	Inf	21.78M	17.775M	21.6M	17.775M
5580MHz	Pass	Inf	21.81M	17.799M	21.54M	17.775M
5700MHz	Pass	Inf	21.78M	17.775M	21.66M	17.775M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.785M	13.908M	15.716M	13.908M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.735M	4.243M	3.735M	4.258M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.14M	36.222M	39.9M	36.27M
5310MHz	Pass	Inf	40.26M	36.27M	39.9M	36.222M
5510MHz	Pass	Inf	40.2M	36.27M	39.84M	36.222M
5550MHz	Pass	Inf	40.32M	36.222M	39.84M	36.318M
5670MHz	Pass	Inf	40.38M	36.27M	40.02M	36.318M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.303M	33.025M	34.898M	32.991M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.478M	3.12M	3.538M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-

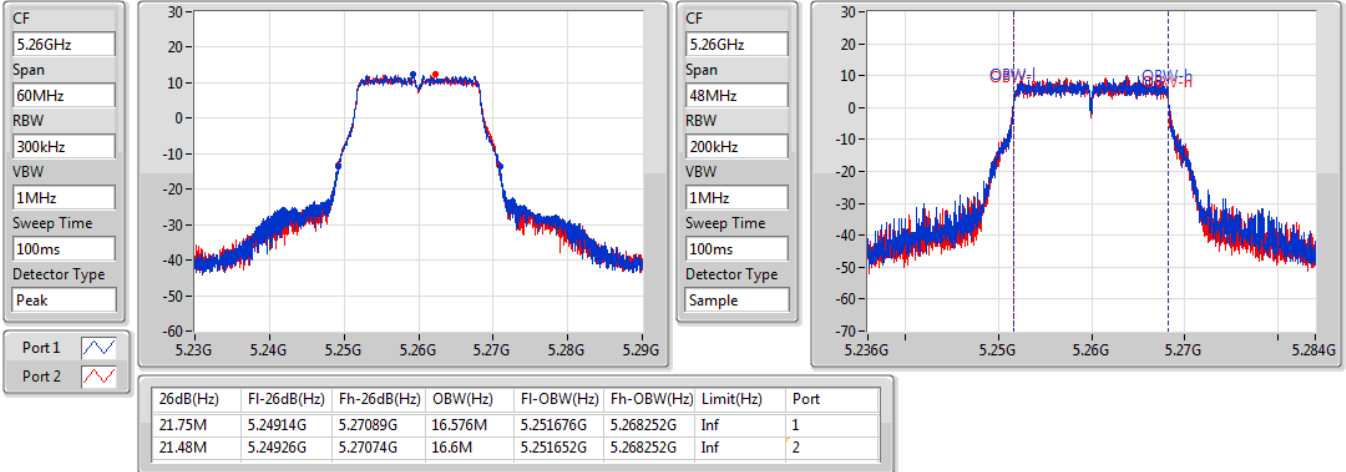
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5290MHz	Pass	Inf	81.96M	75.706M	81.36M	75.61M
5530MHz	Pass	Inf	81.84M	75.706M	81.48M	75.706M
5610MHz	Pass	Inf	82.08M	75.706M	81.48M	75.706M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.11M	72.607M	75.668M	72.386M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.598M	3.105M	3.553M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.63M	18.975M	21.54M	18.999M
5300MHz	Pass	Inf	21.63M	18.951M	21.72M	18.999M
5320MHz	Pass	Inf	21.72M	18.975M	21.69M	18.975M
5500MHz	Pass	Inf	21.69M	18.975M	21.66M	18.999M
5580MHz	Pass	Inf	21.6M	18.951M	21.69M	18.951M
5700MHz	Pass	Inf	21.69M	18.999M	21.6M	18.951M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.634M	14.499M	15.771M	14.499M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.425M	4.528M	4.44M	4.528M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.08M	37.565M	39.9M	37.517M
5310MHz	Pass	Inf	39.96M	37.565M	39.78M	37.613M
5510MHz	Pass	Inf	40.2M	37.565M	39.9M	37.517M
5550MHz	Pass	Inf	40.08M	37.565M	39.9M	37.613M
5670MHz	Pass	Inf	40.02M	37.469M	40.02M	37.613M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.965M	33.632M	34.931M	33.666M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.66M	4.018M	3.765M	4.033M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.2M	76.954M	81.6M	76.858M
5530MHz	Pass	Inf	82.08M	77.145M	81.6M	77.049M
5610MHz	Pass	Inf	82.2M	76.954M	81.84M	77.049M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.963M	73.123M	75.815M	73.123M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.033M	3.12M	4.018M

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

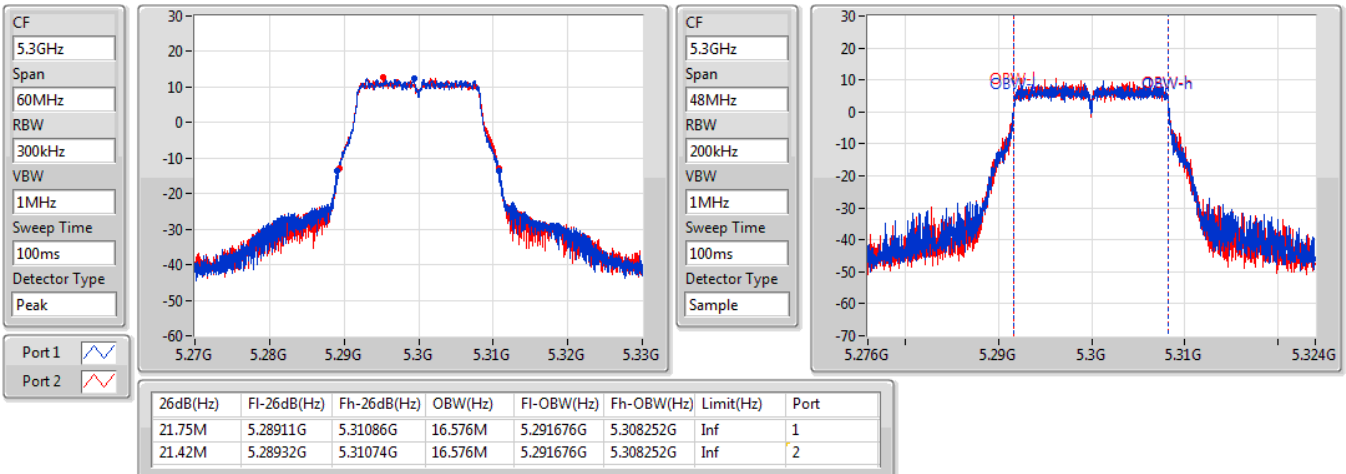
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

17/07/2020

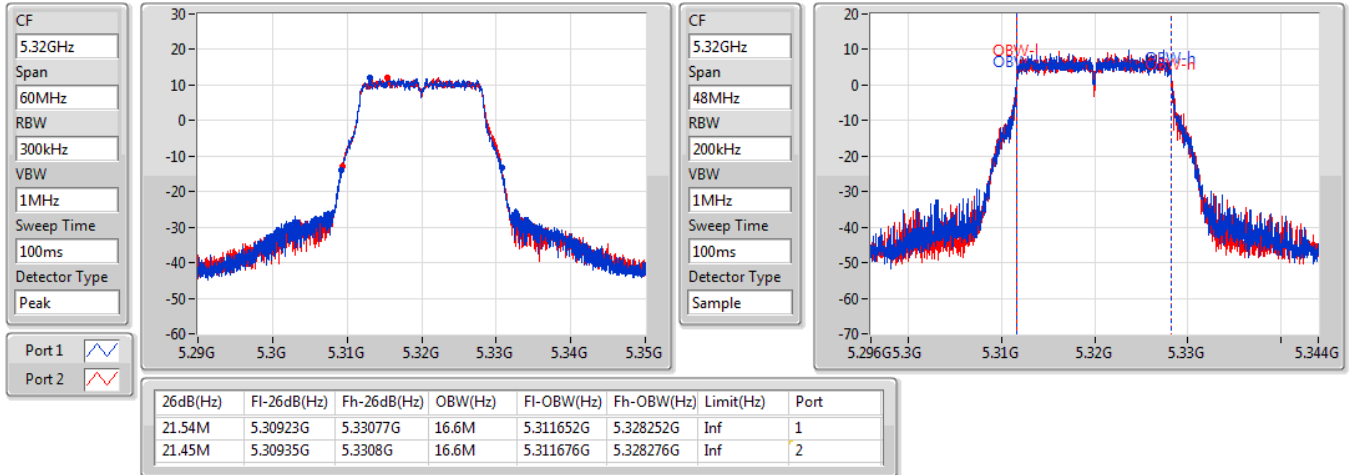

802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

17/07/2020

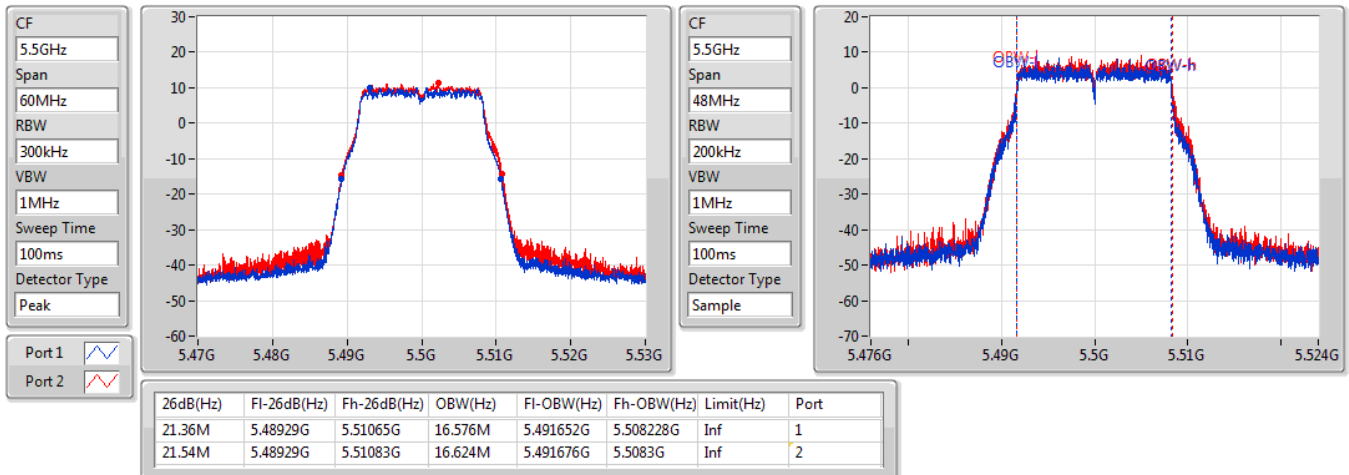


802.11a_Nss1,(6Mbps)_2TX
EBW
5320MHz

17/07/2020

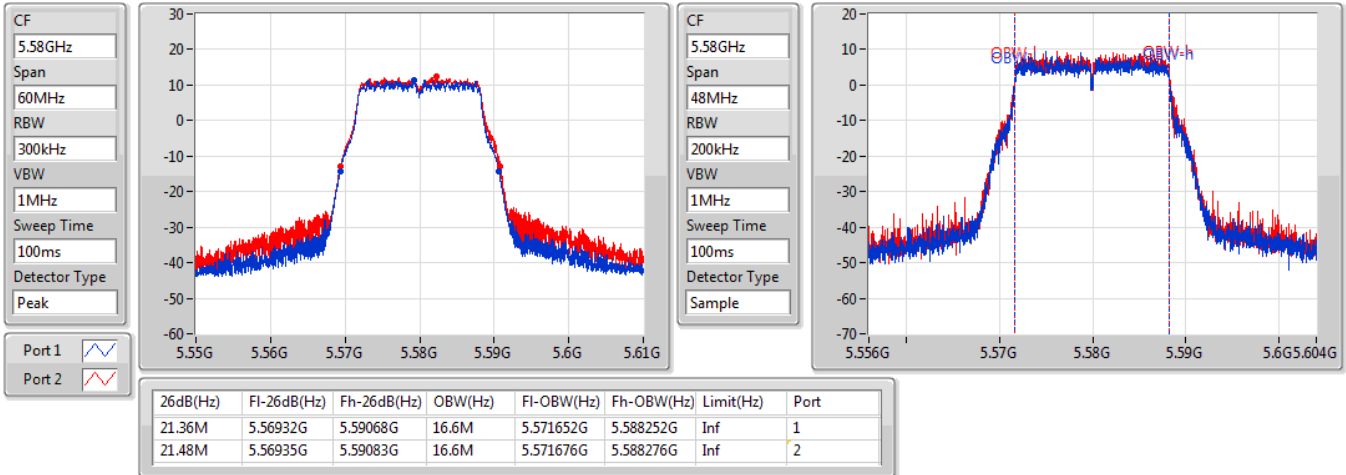

802.11a_Nss1,(6Mbps)_2TX
EBW
5500MHz

17/07/2020

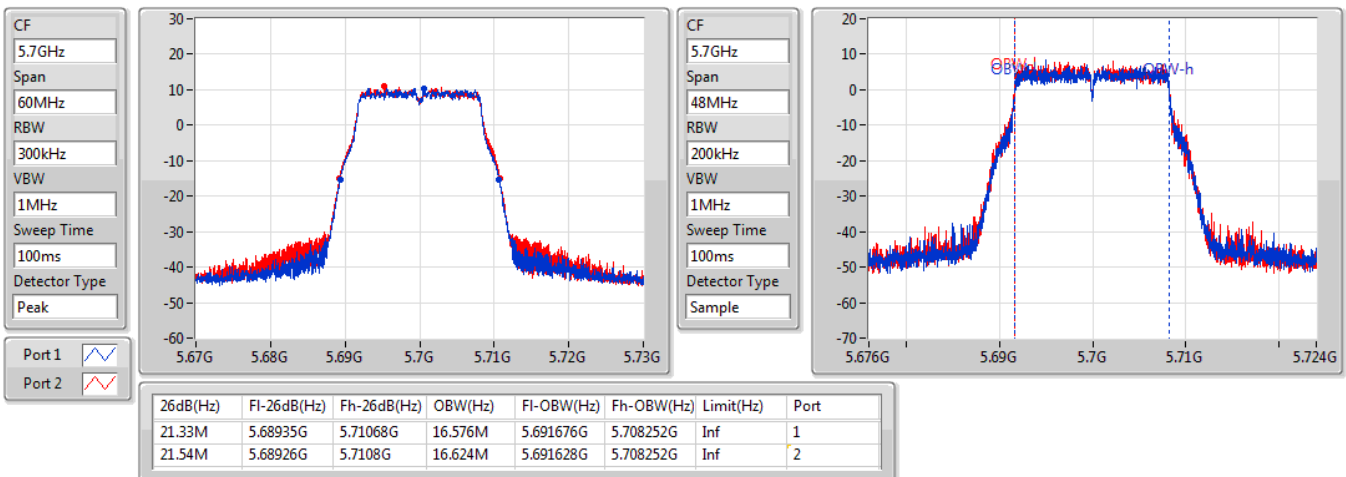


802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

17/07/2020

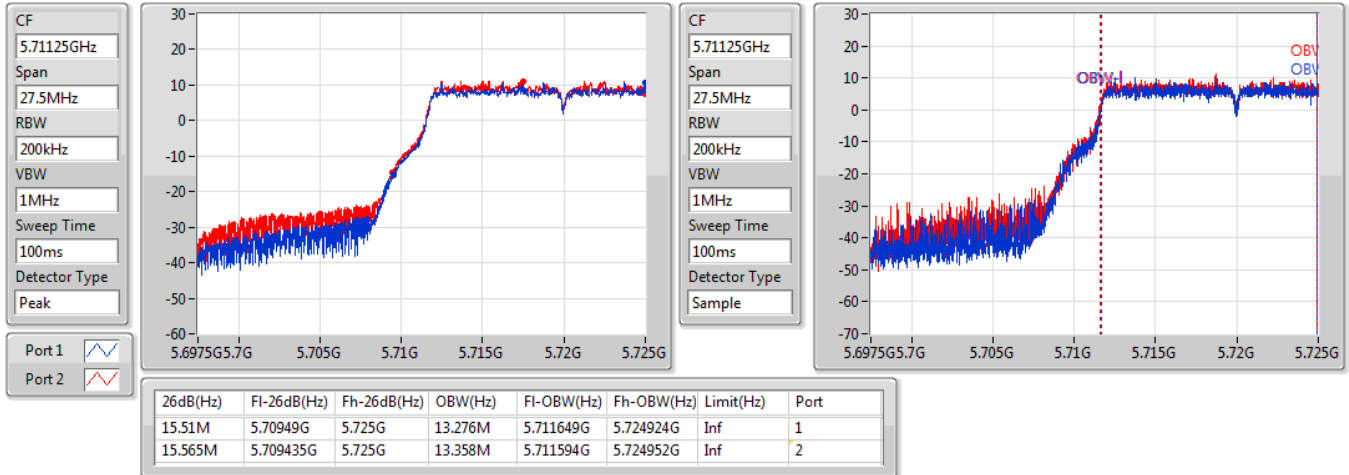

802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

17/07/2020

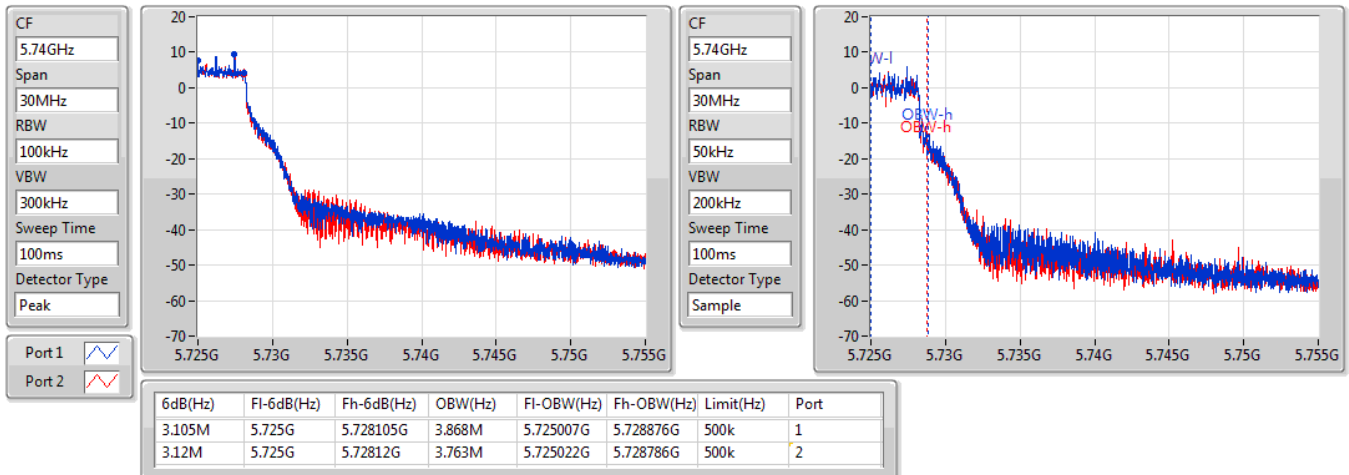


802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

17/07/2020

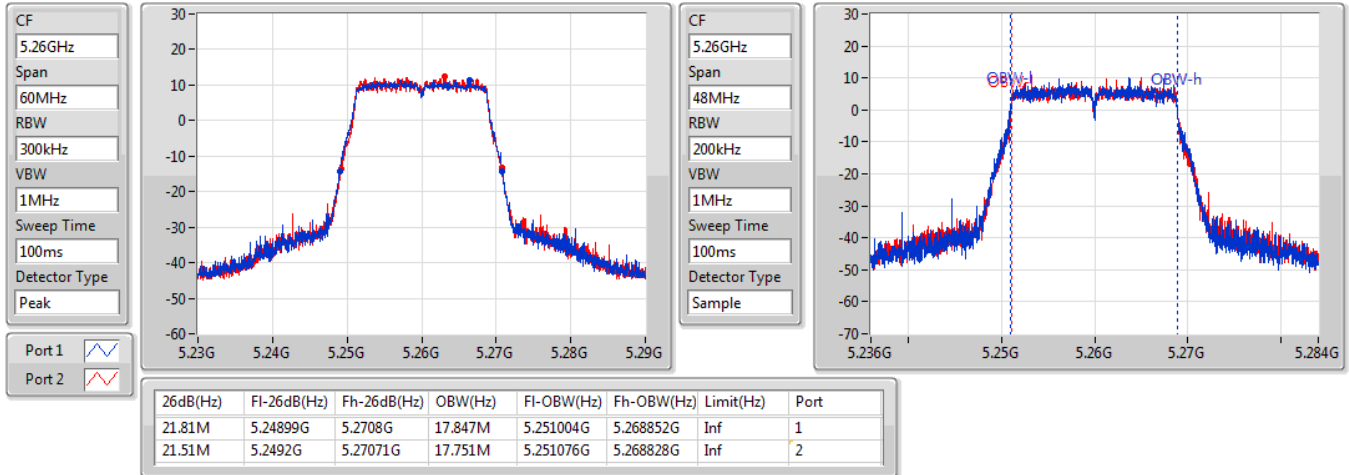

802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

18/07/2020

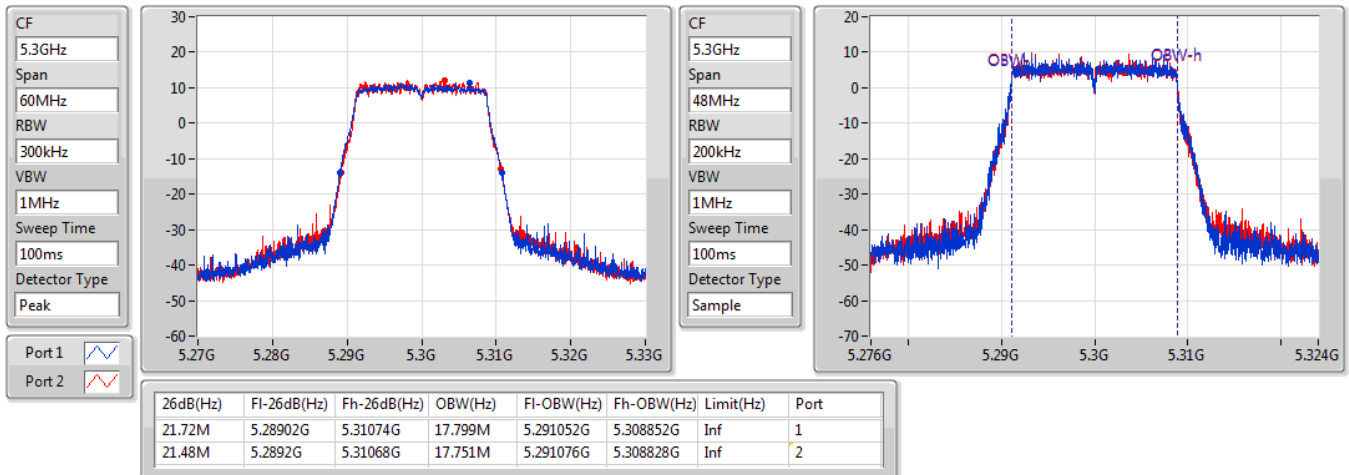


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5260MHz

22/07/2020

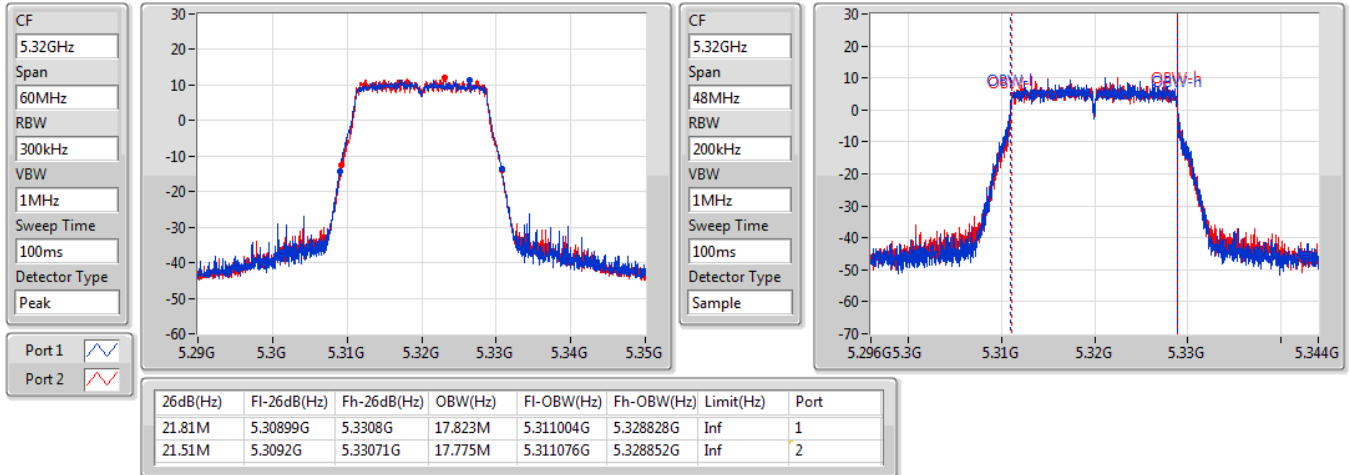

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5300MHz

22/07/2020

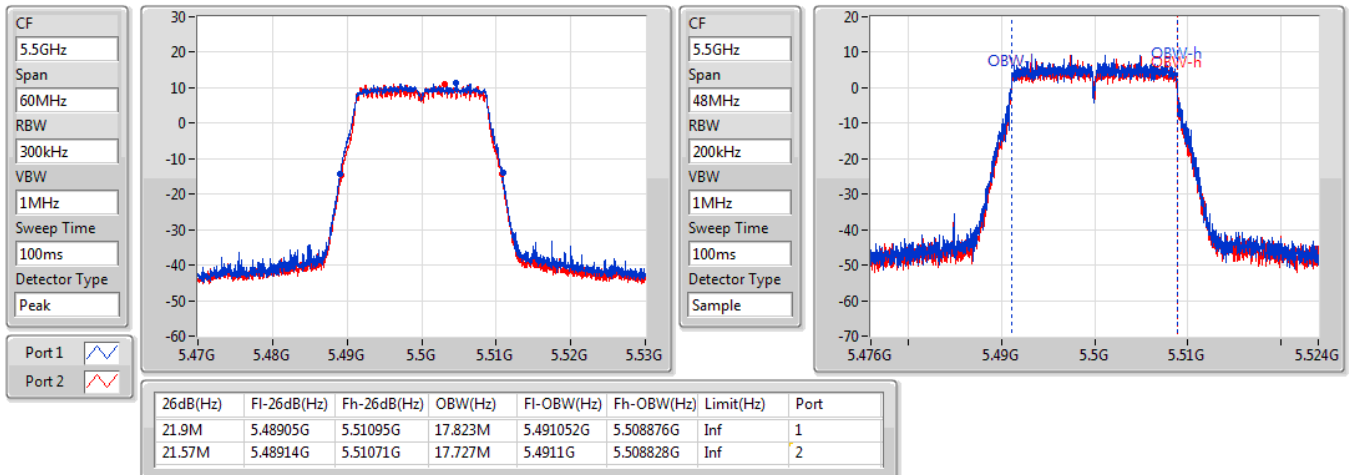


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5320MHz

22/07/2020

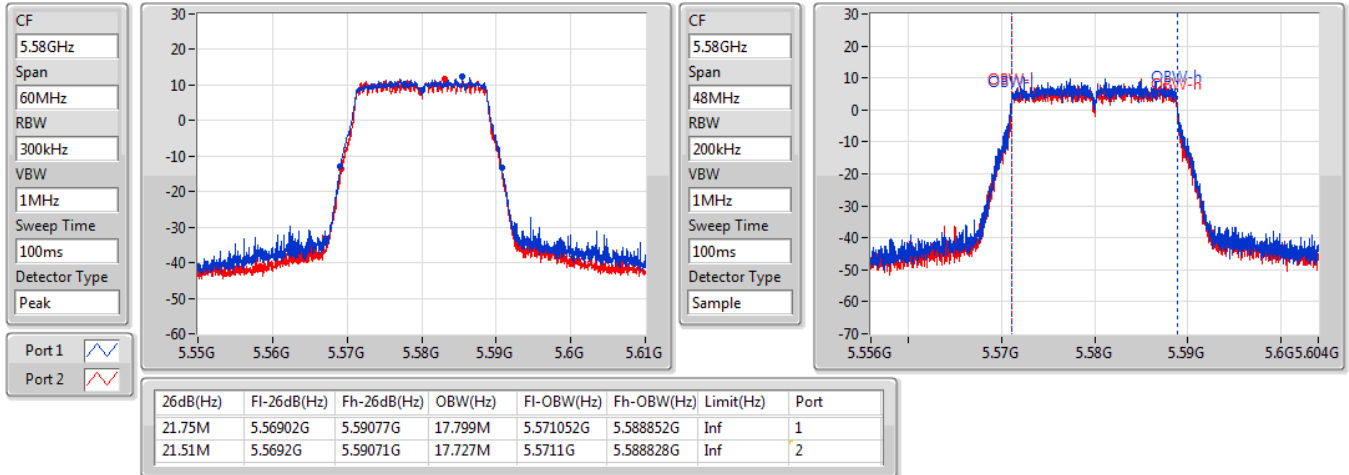

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5500MHz

22/07/2020

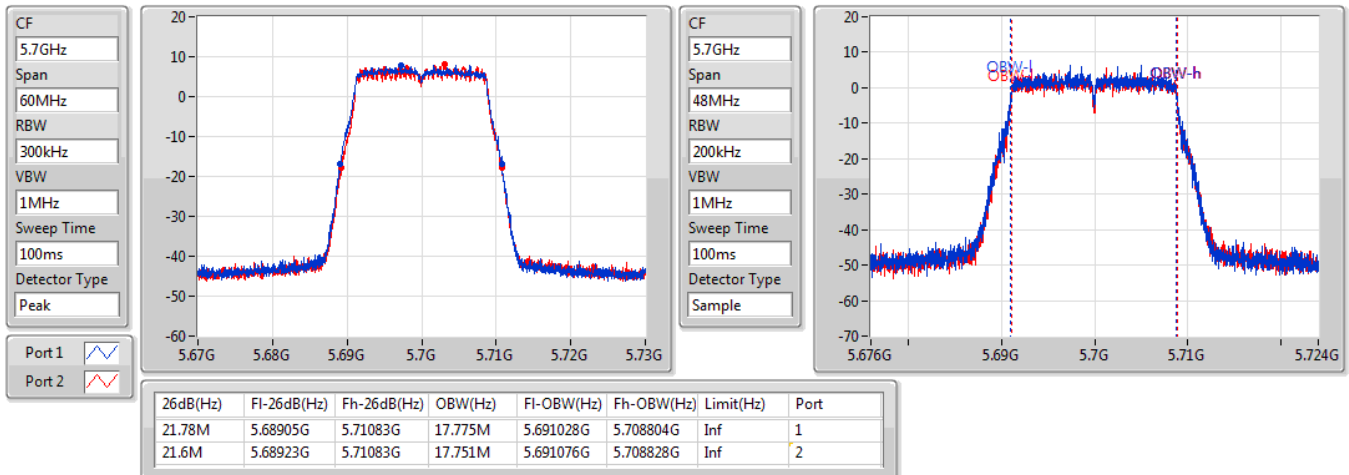


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5580MHz

22/07/2020

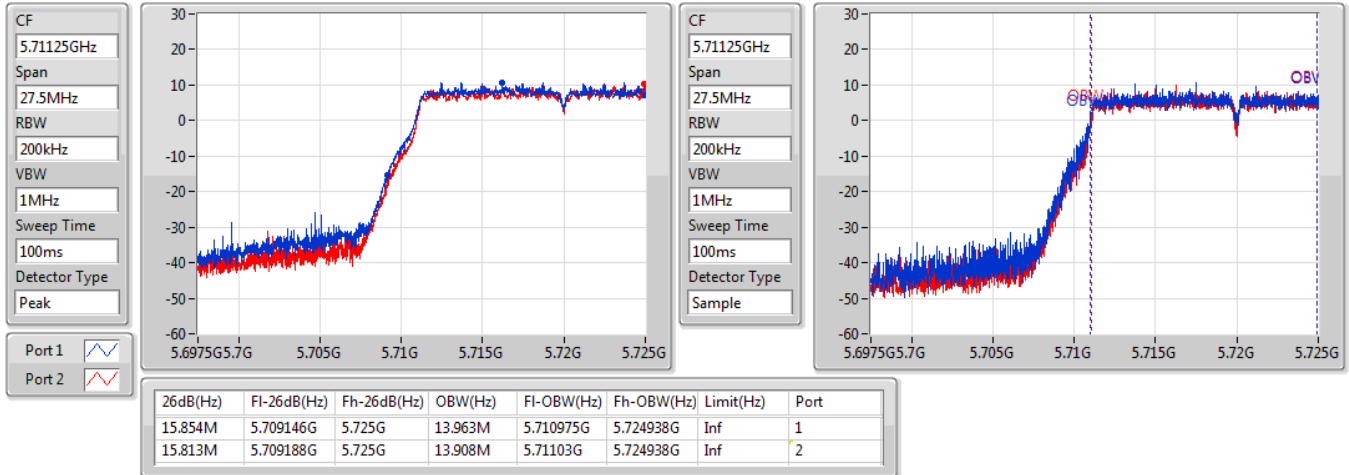

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5700MHz

22/07/2020

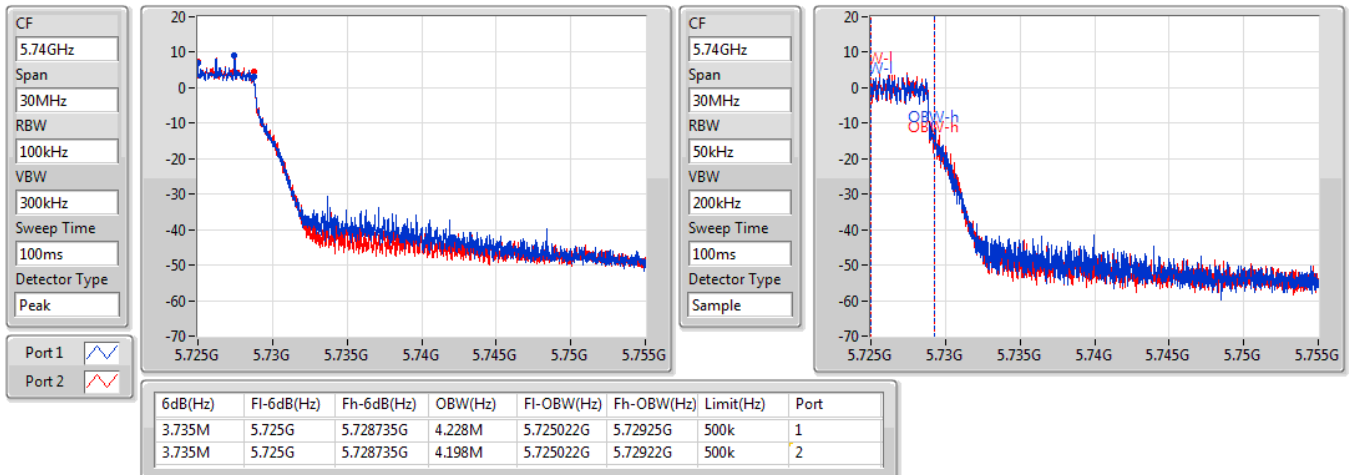


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

22/07/2020

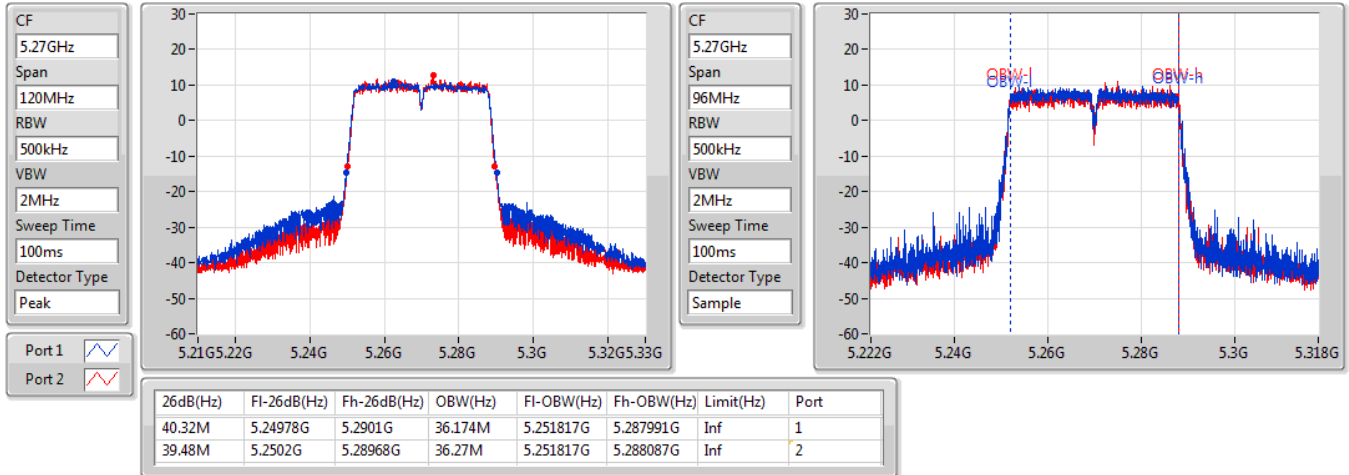

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

22/07/2020

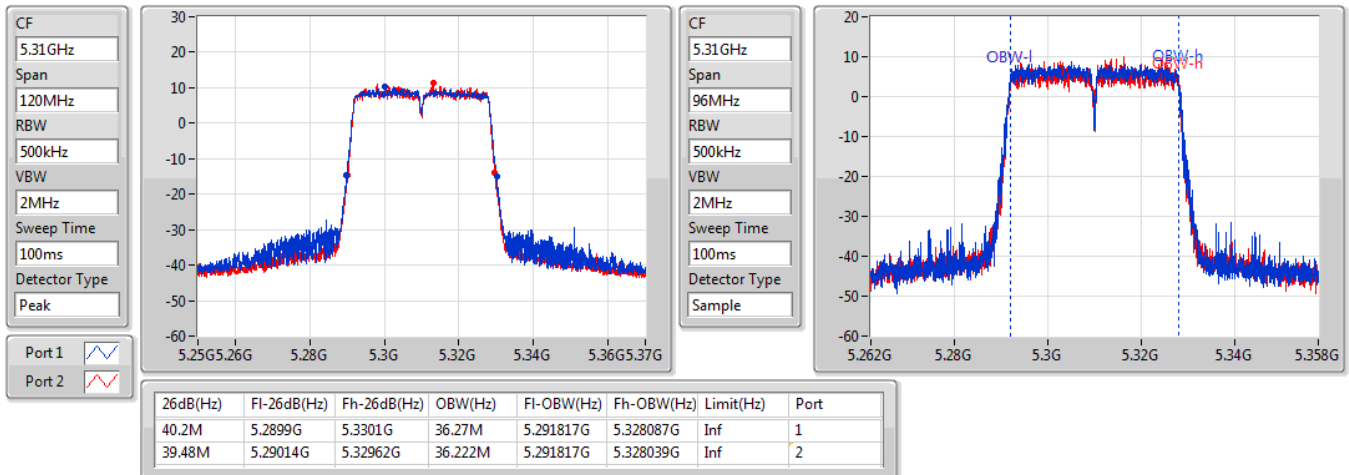


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5270MHz

22/07/2020

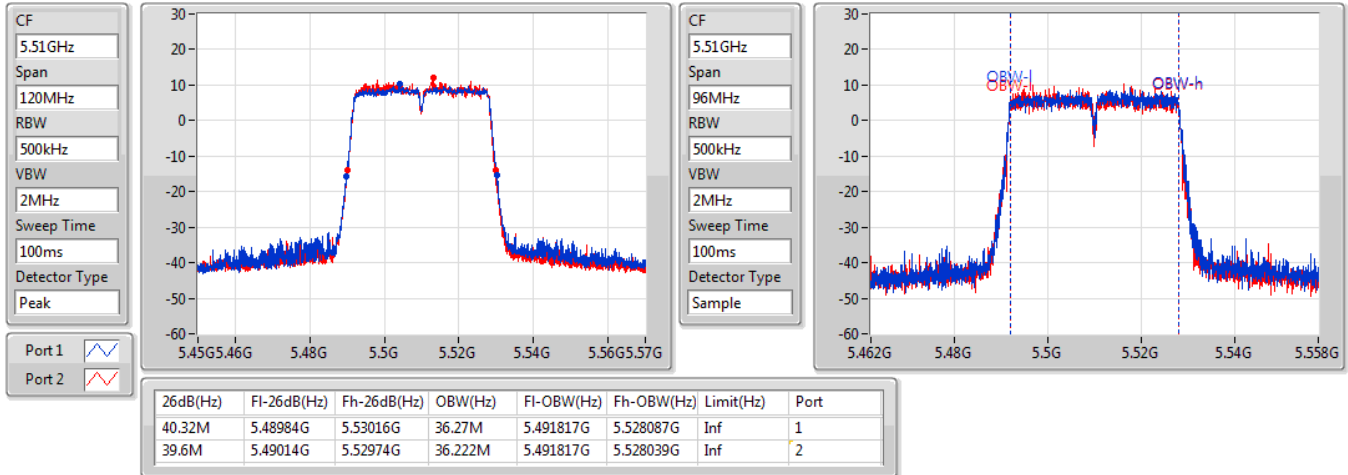

802.11n HT40_Nss1,(MCS0)_2TX
EBW
5310MHz

22/07/2020

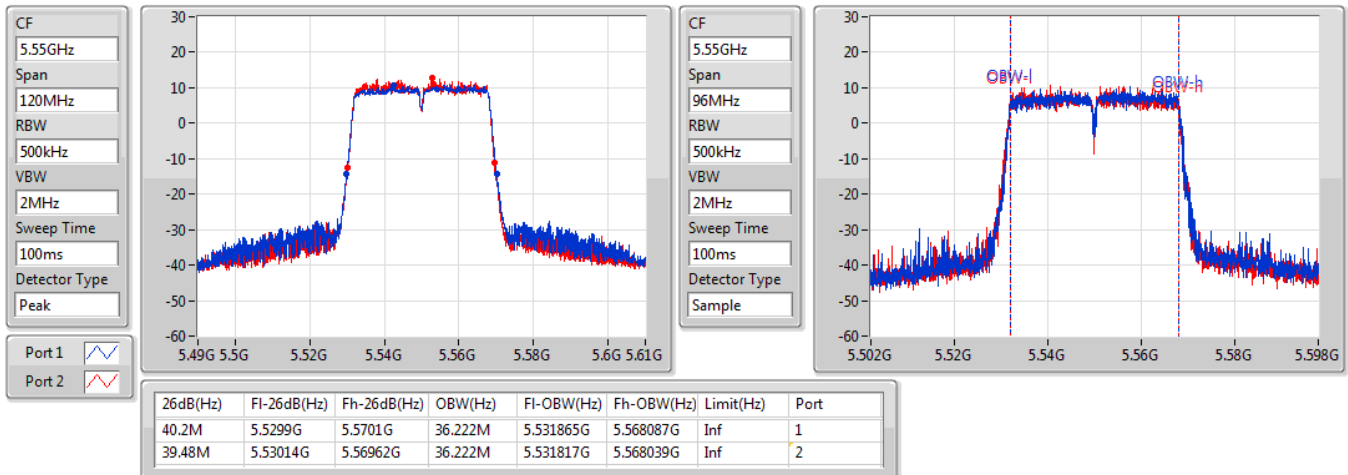


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5510MHz

22/07/2020

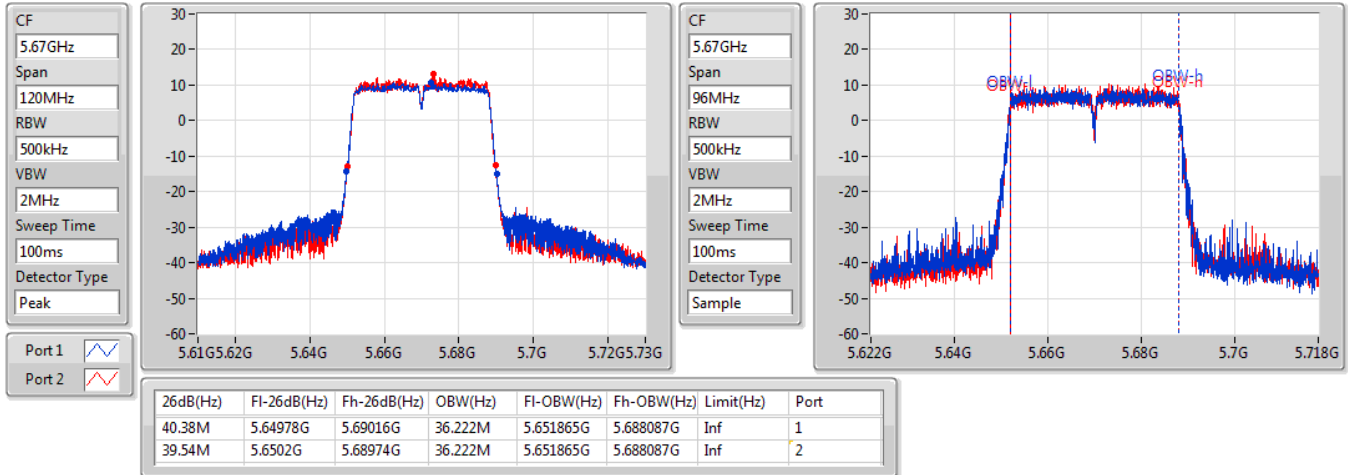

802.11n HT40_Nss1,(MCS0)_2TX
EBW
5550MHz

22/07/2020

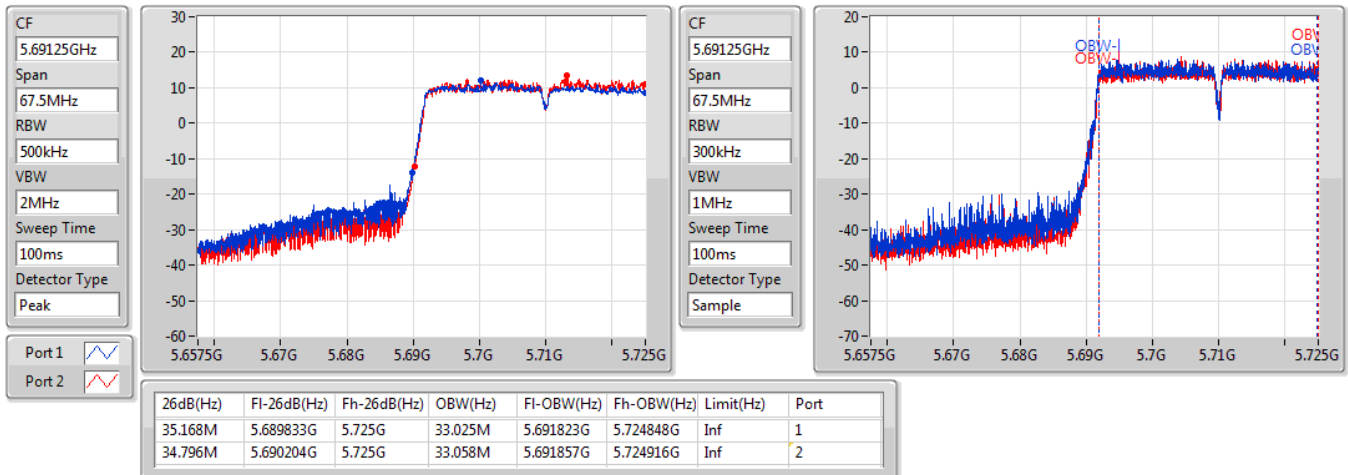


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5670MHz

22/07/2020

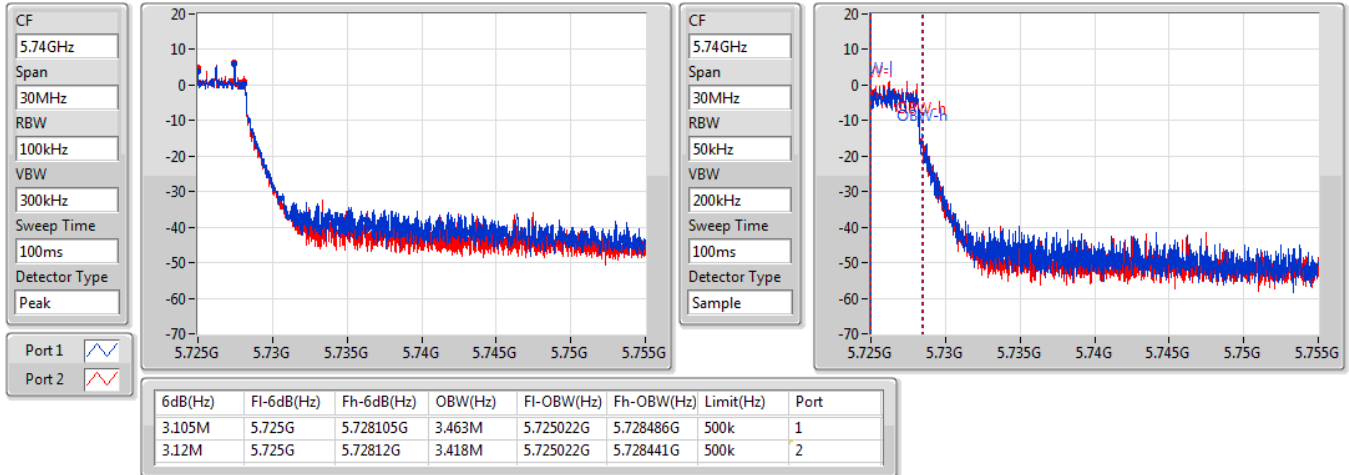

802.11n HT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

22/07/2020

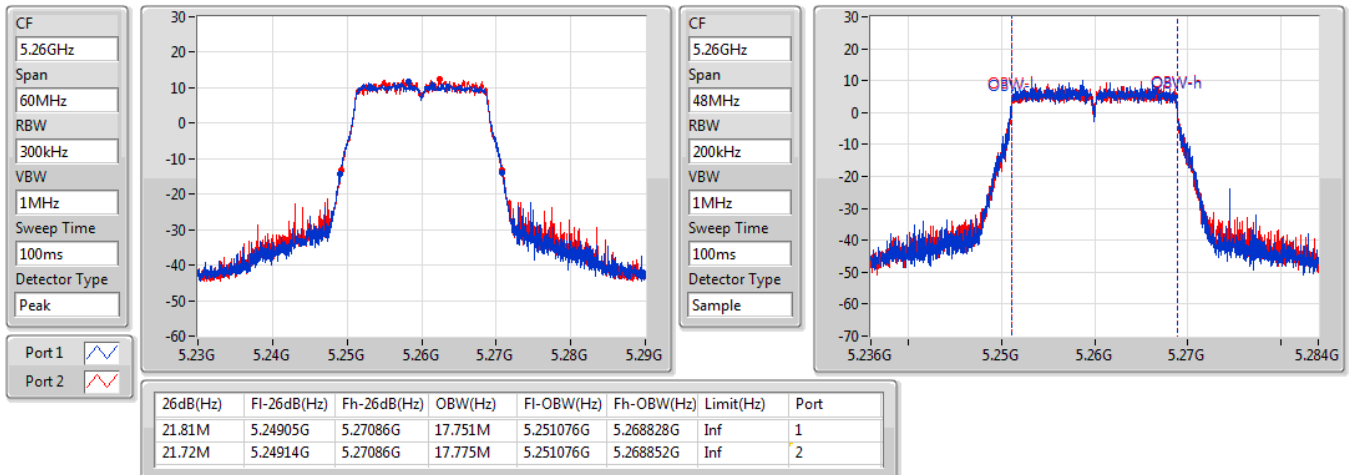


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

22/07/2020

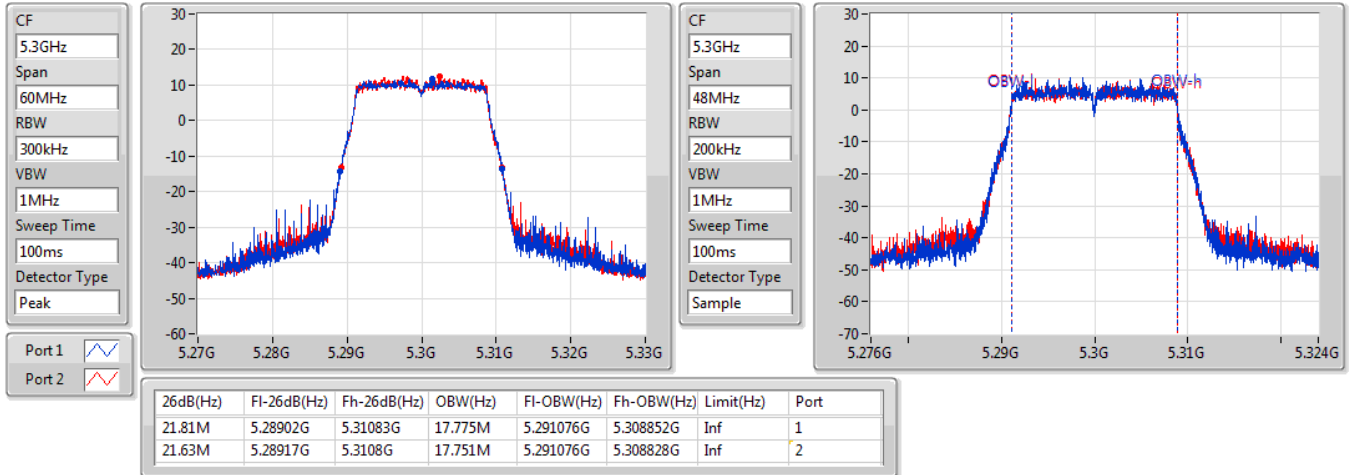

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5260MHz

17/07/2020

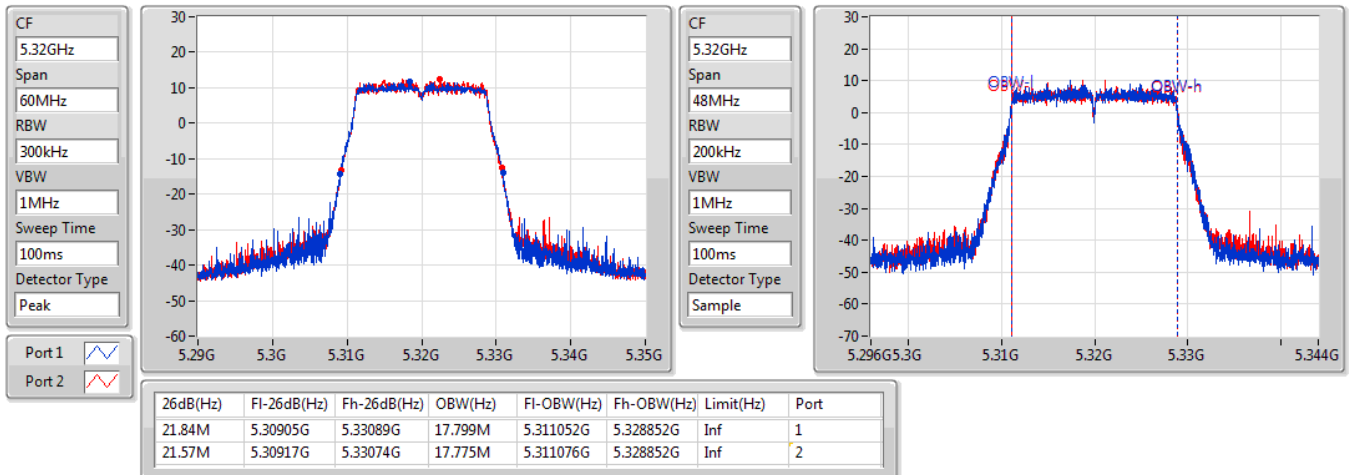


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

17/07/2020

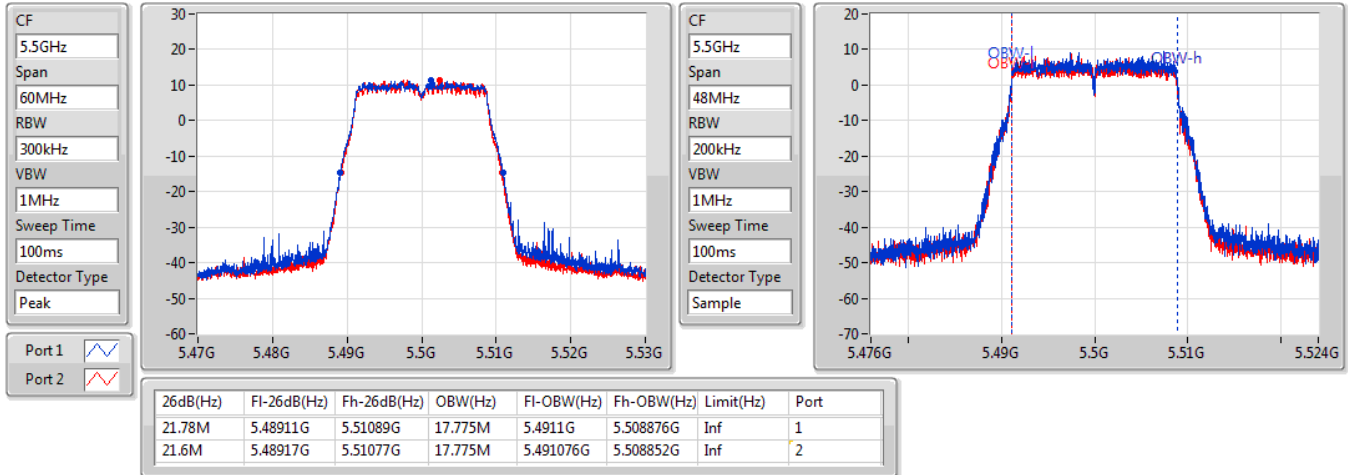

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5320MHz

17/07/2020

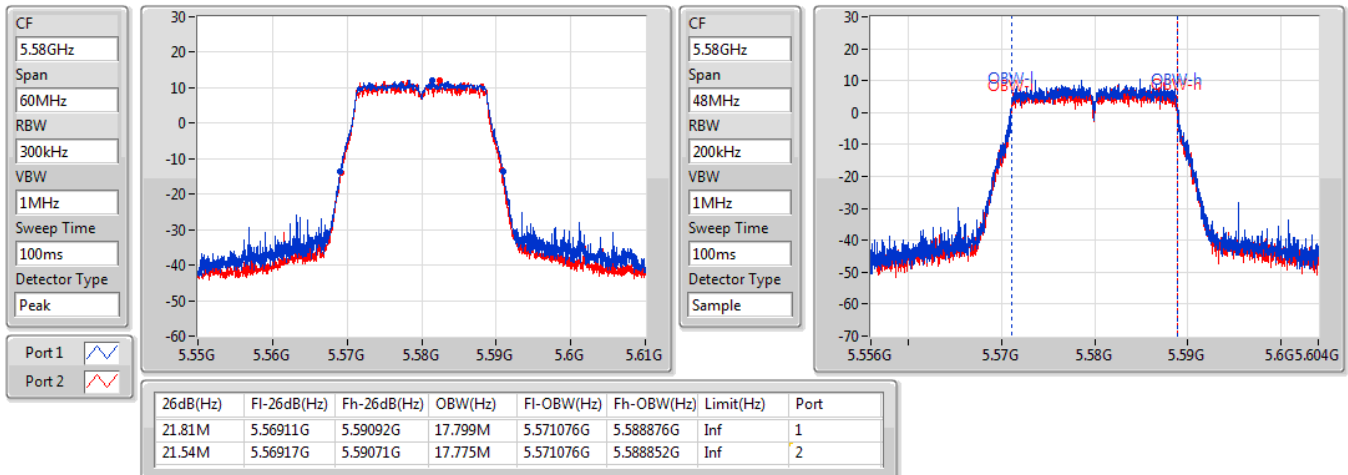


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

17/07/2020

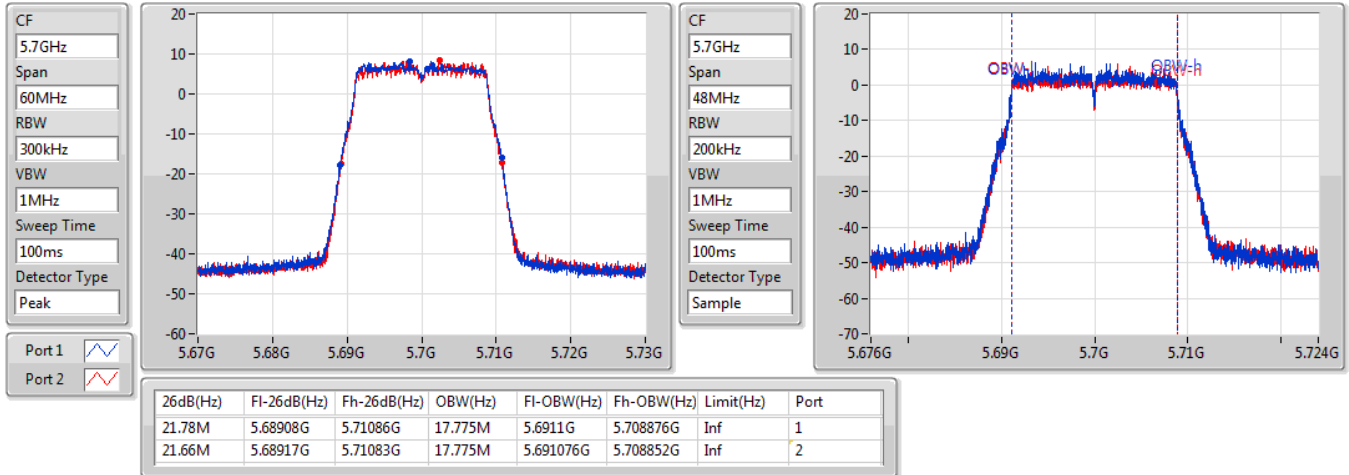

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5580MHz

17/07/2020

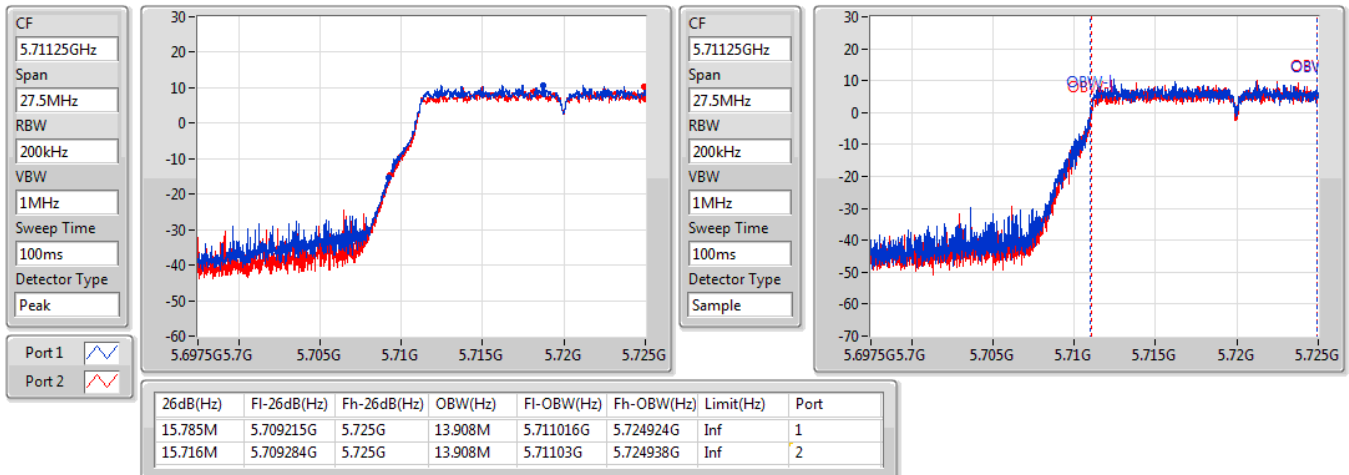


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5700MHz

17/07/2020

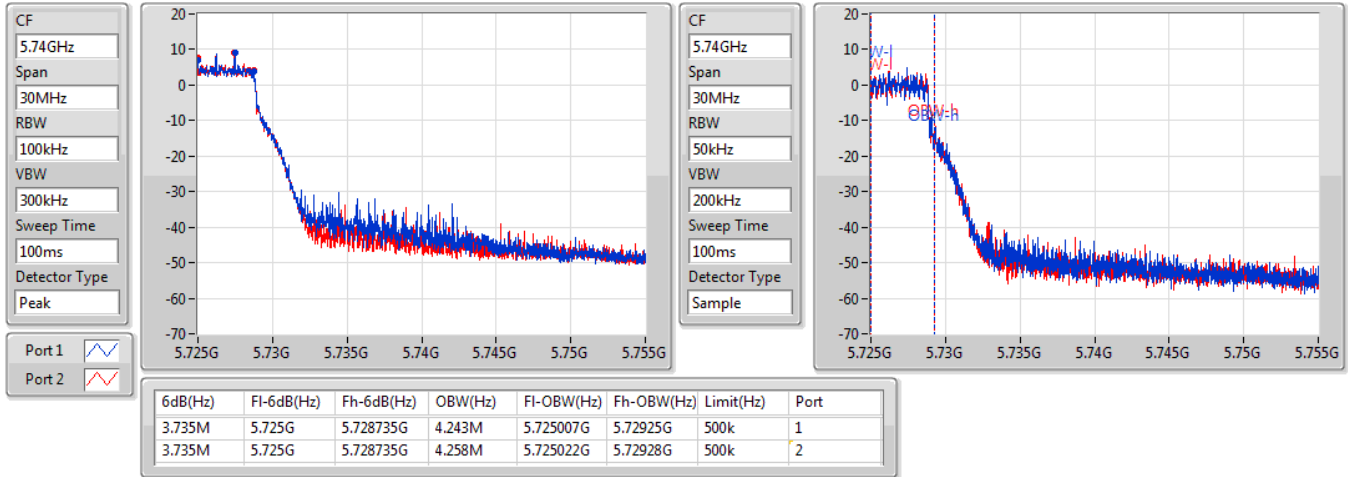

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

17/07/2020

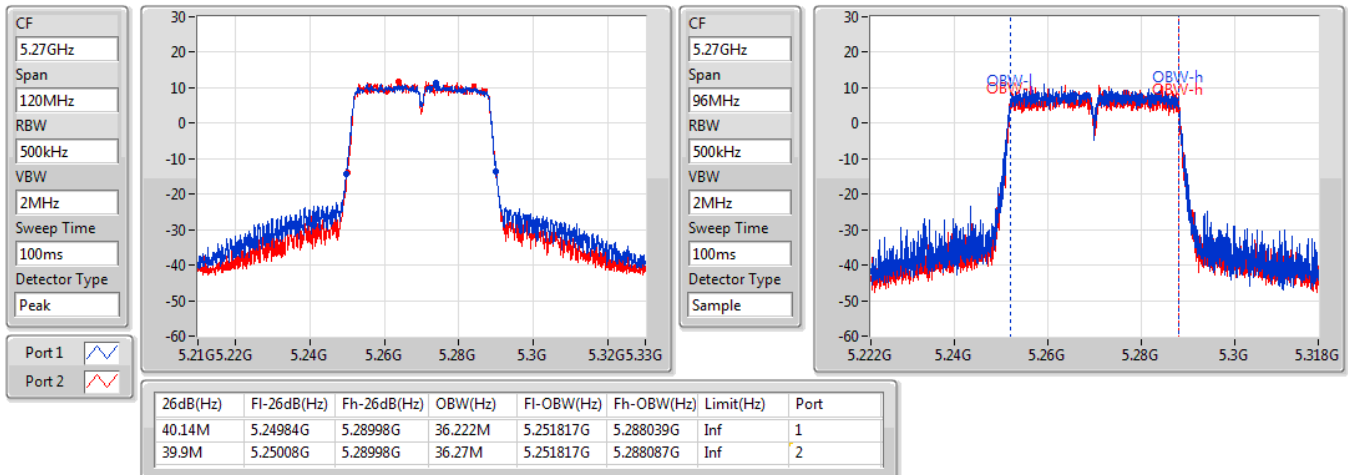


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

17/07/2020


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5270MHz

17/07/2020

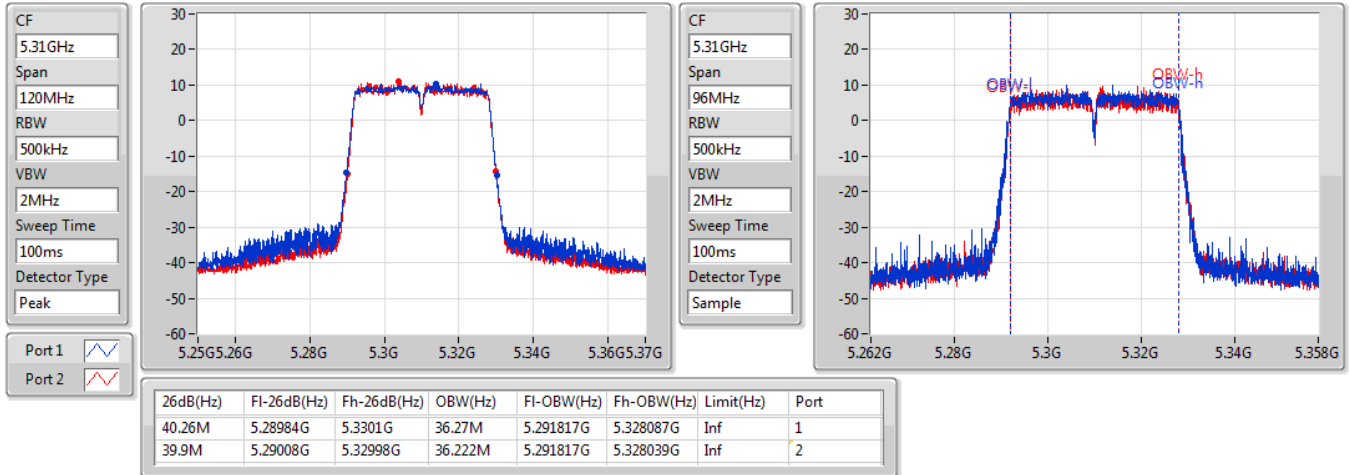


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5310MHz

17/07/2020

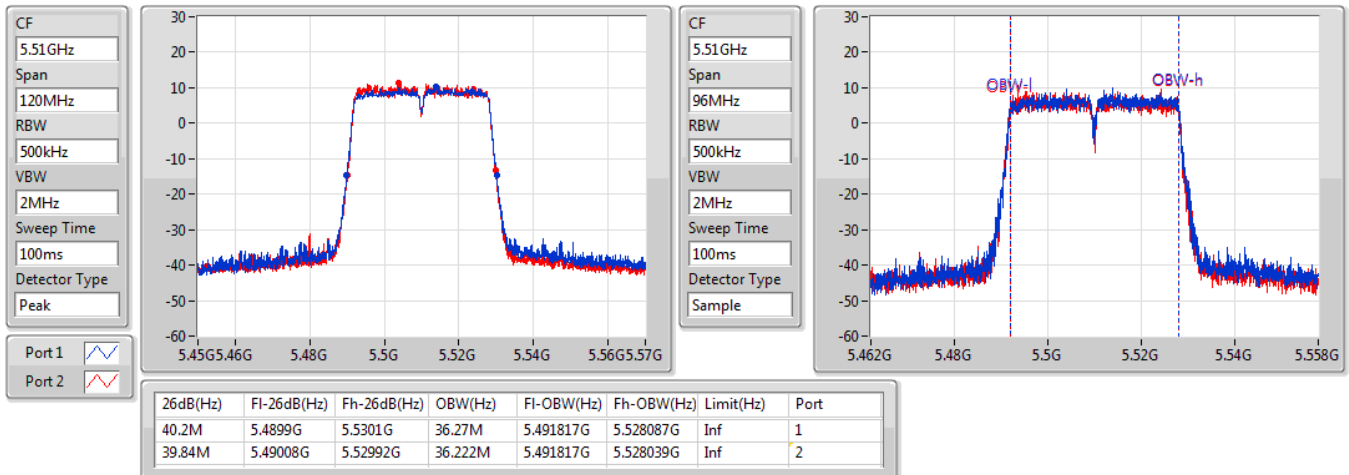


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

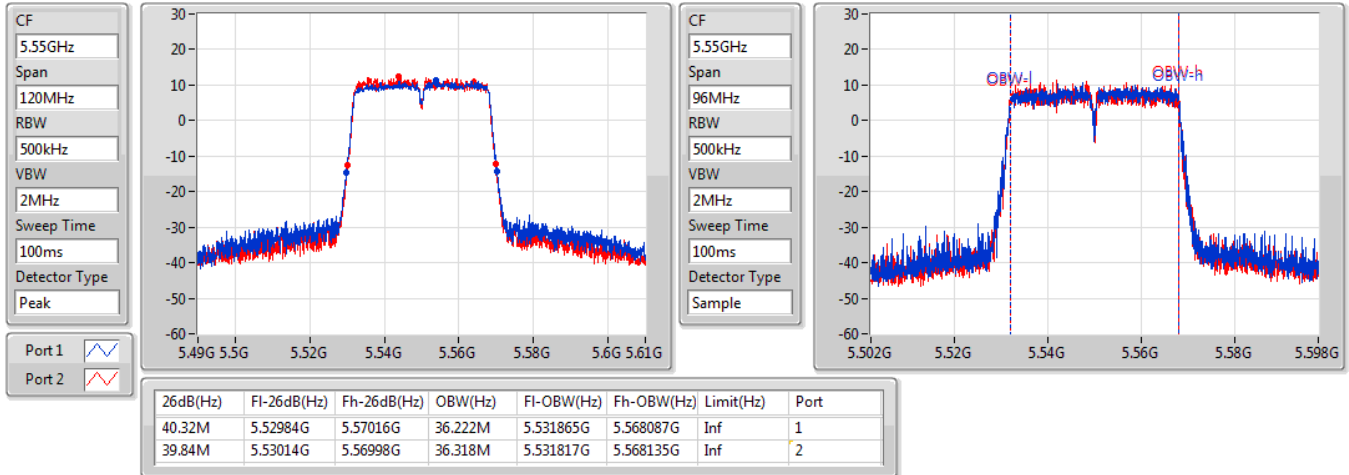
5510MHz

17/07/2020

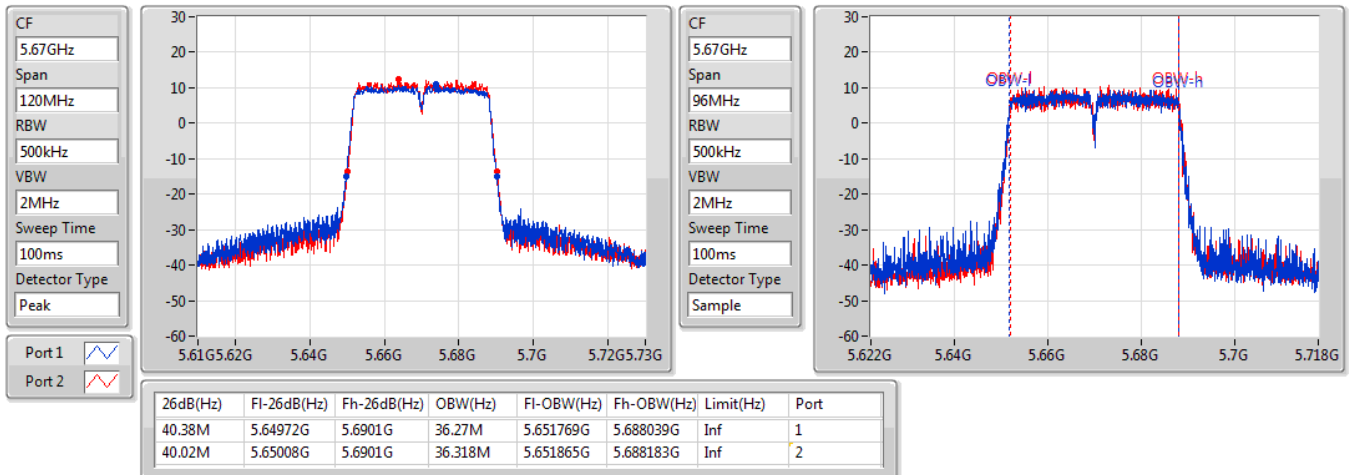


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5550MHz

17/07/2020

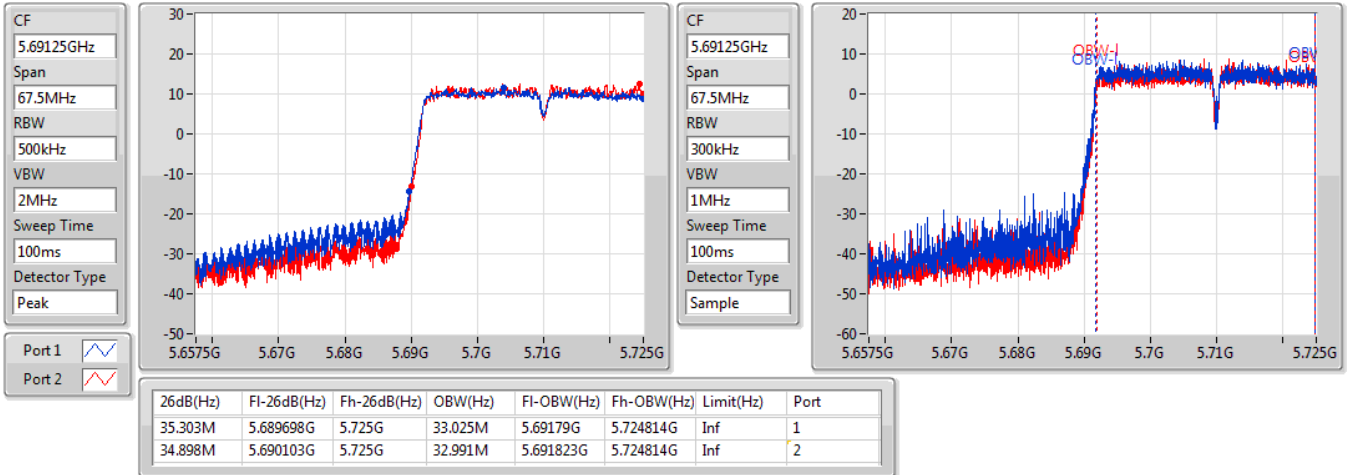

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5670MHz

17/07/2020

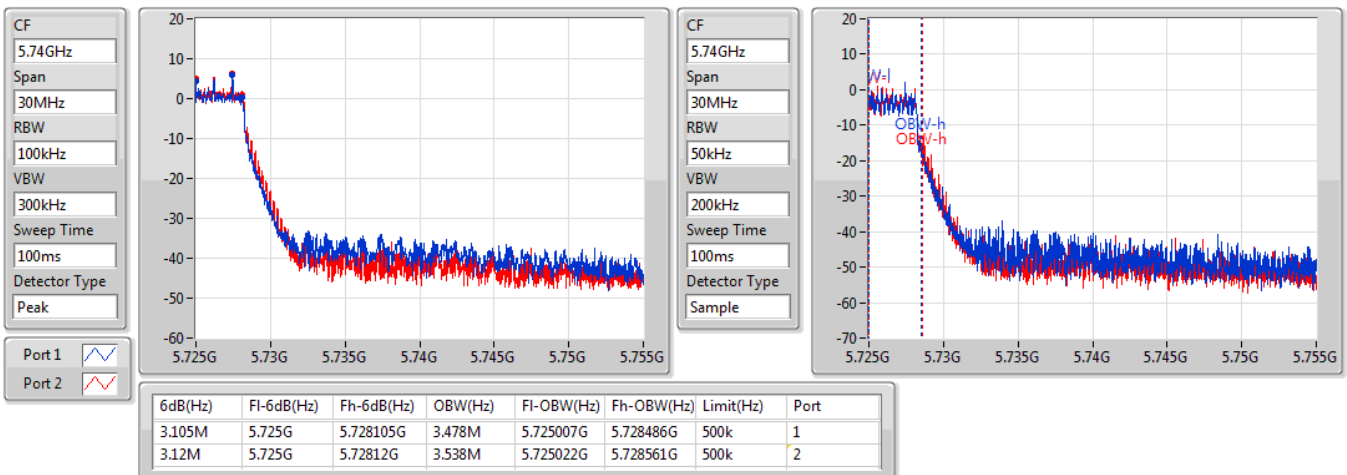


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

17/07/2020

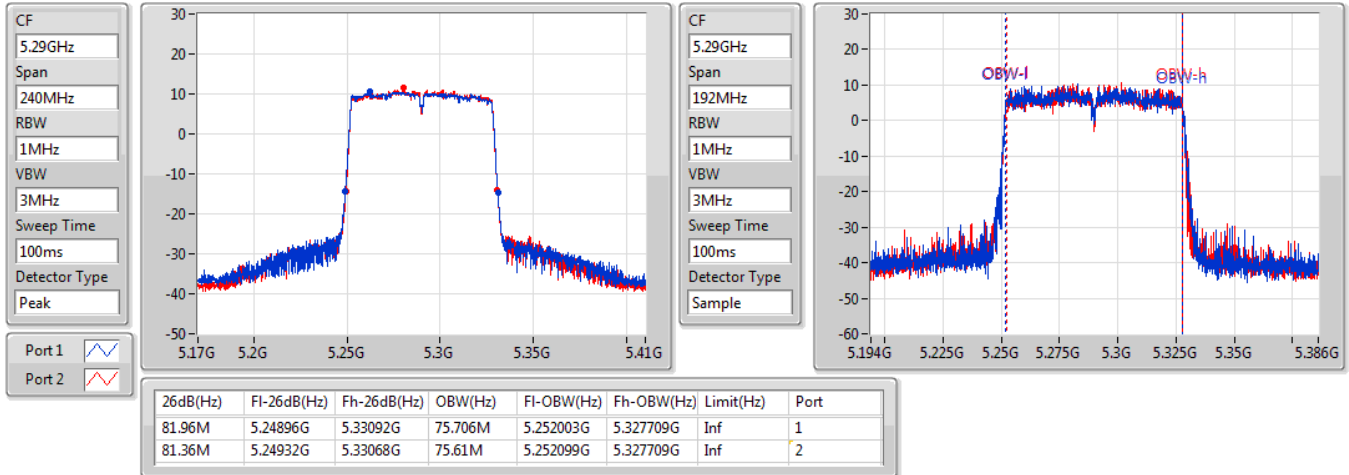

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

17/07/2020

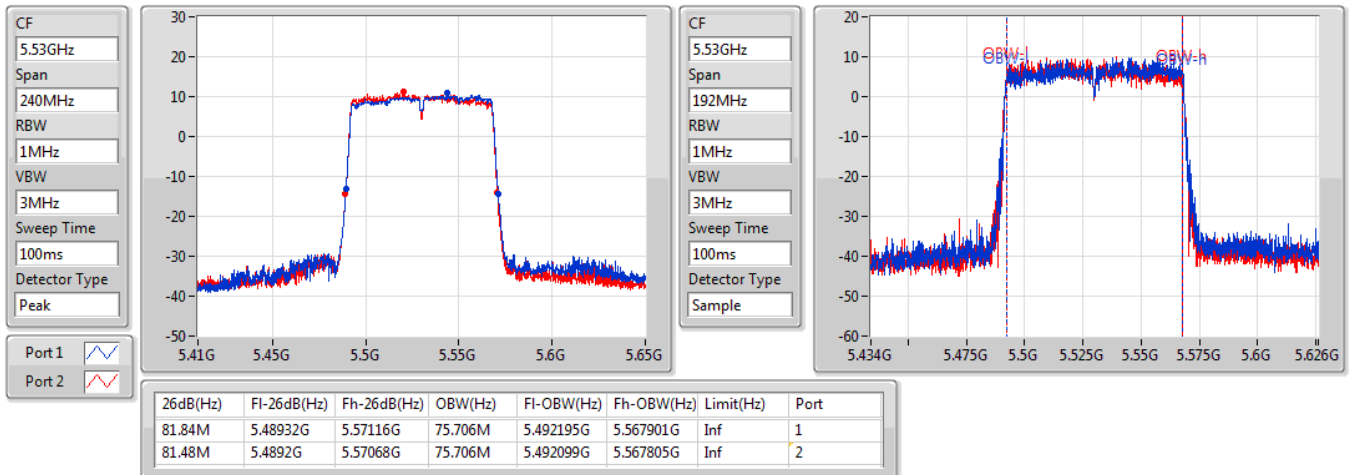


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5290MHz

18/07/2020

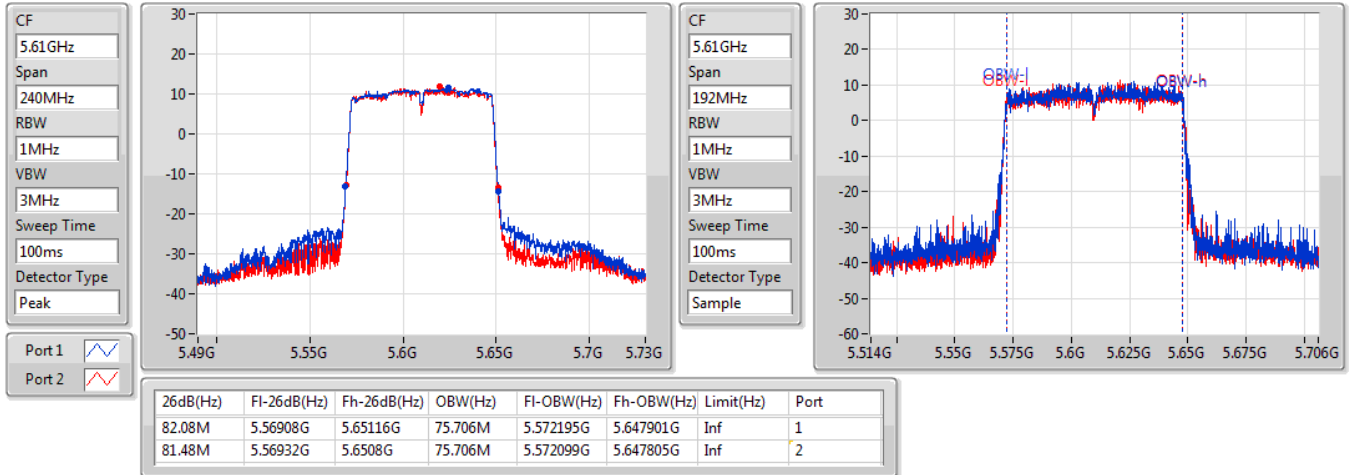

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5530MHz

18/07/2020

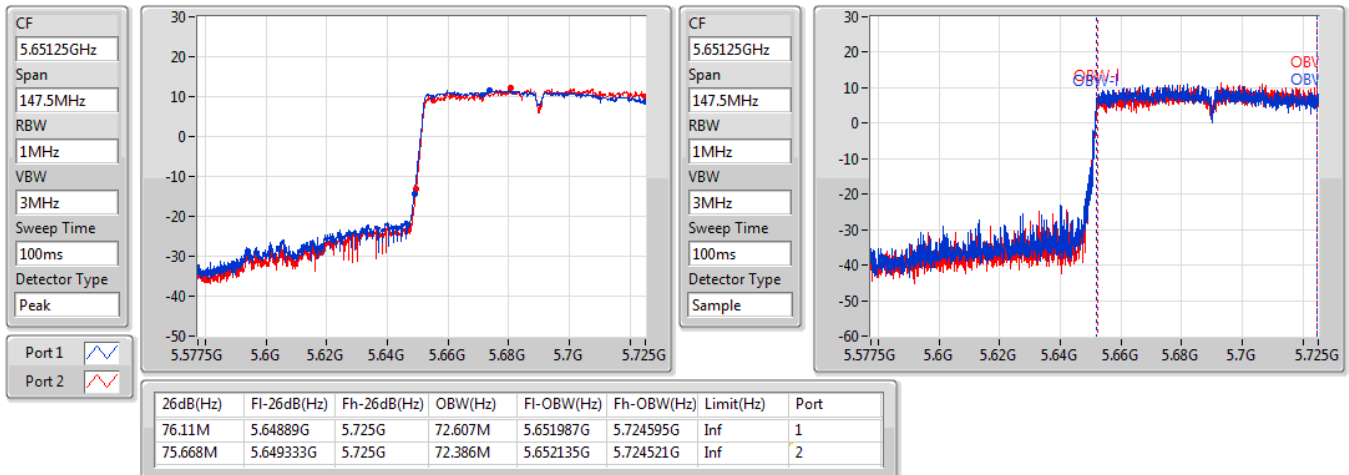


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5610MHz

18/07/2020

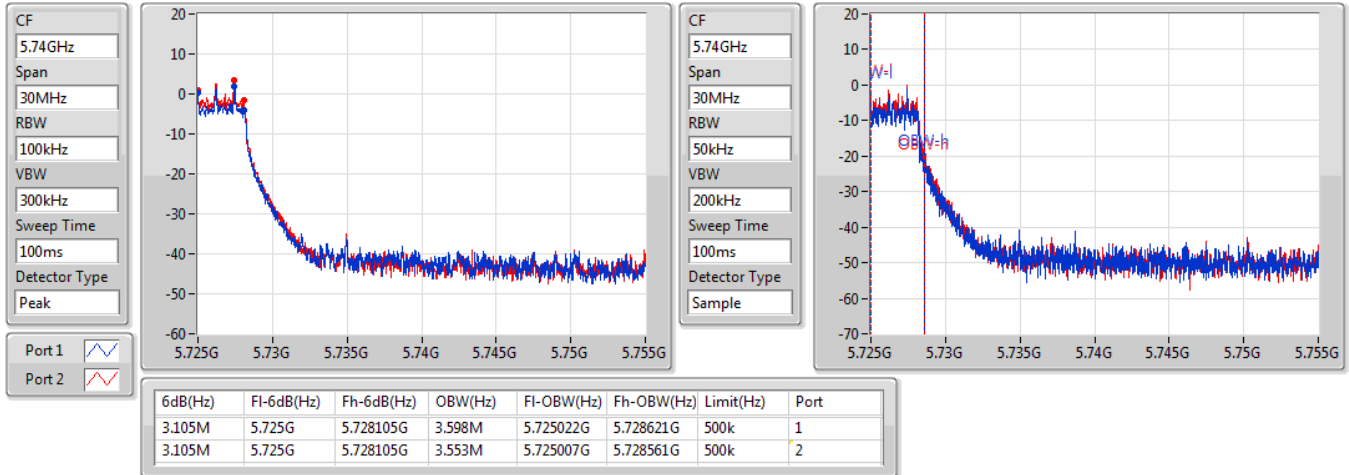

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

18/07/2020

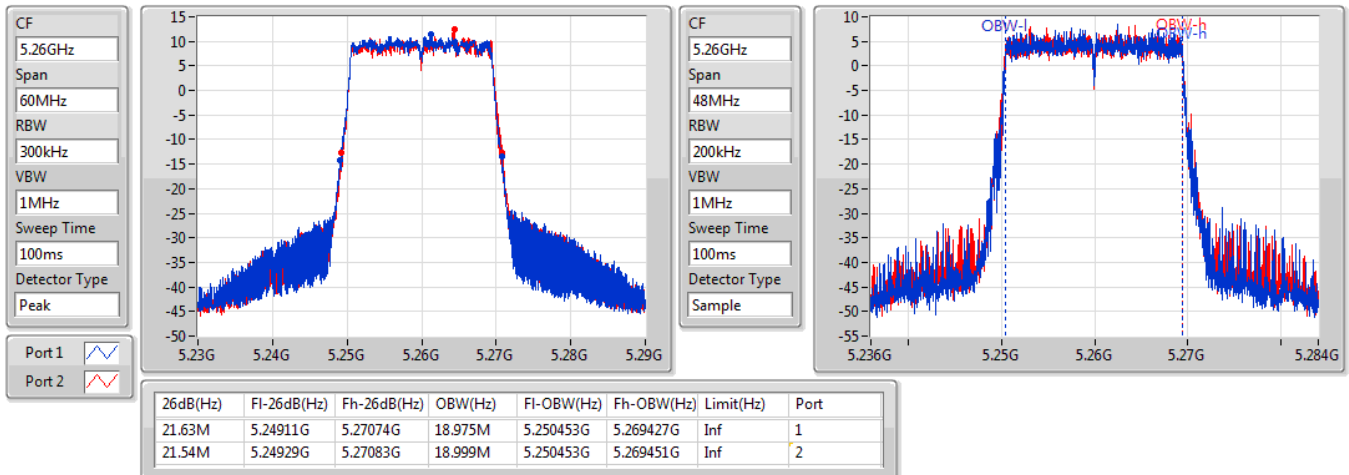


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

18/07/2020

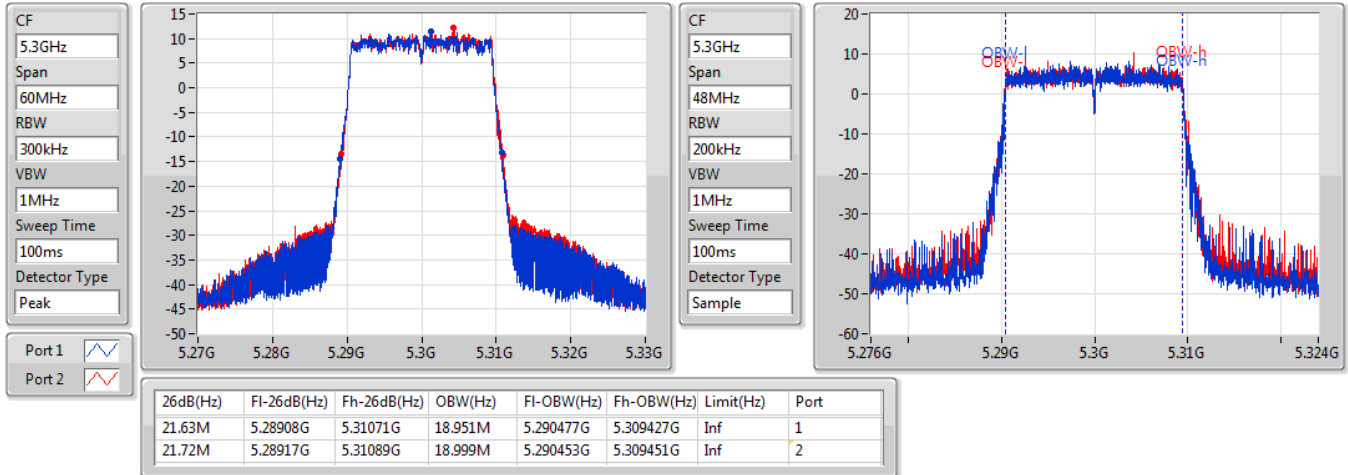

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5260MHz

16/07/2020

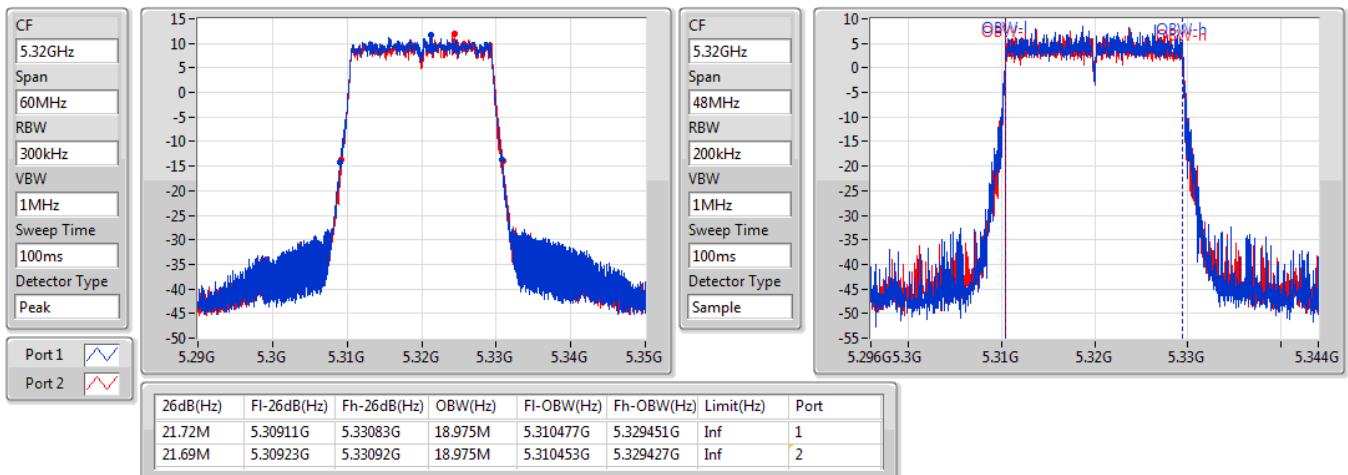


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5300MHz

16/07/2020

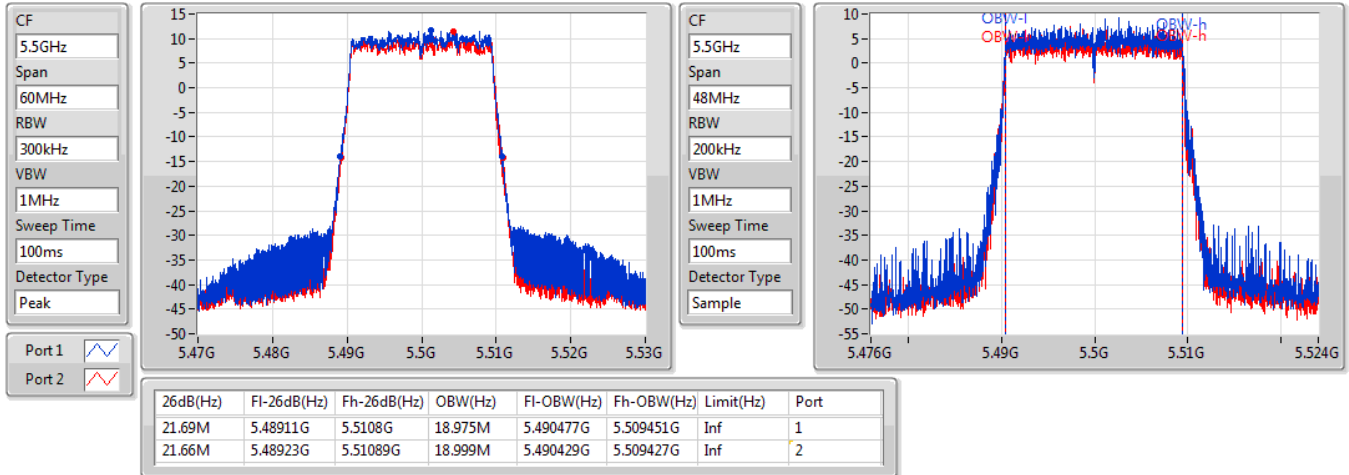

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5320MHz

16/07/2020

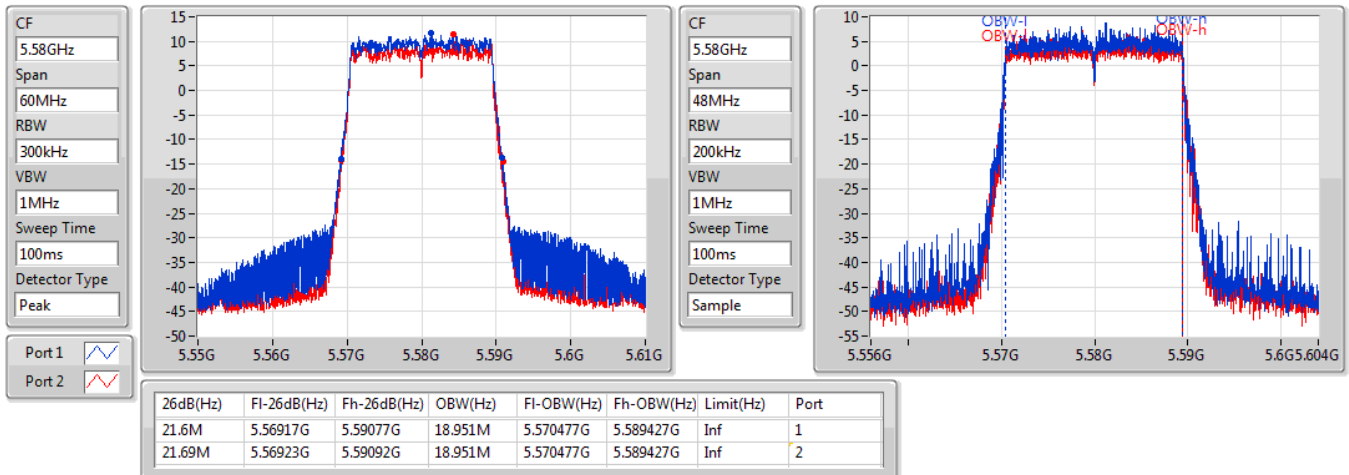


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5500MHz

16/07/2020

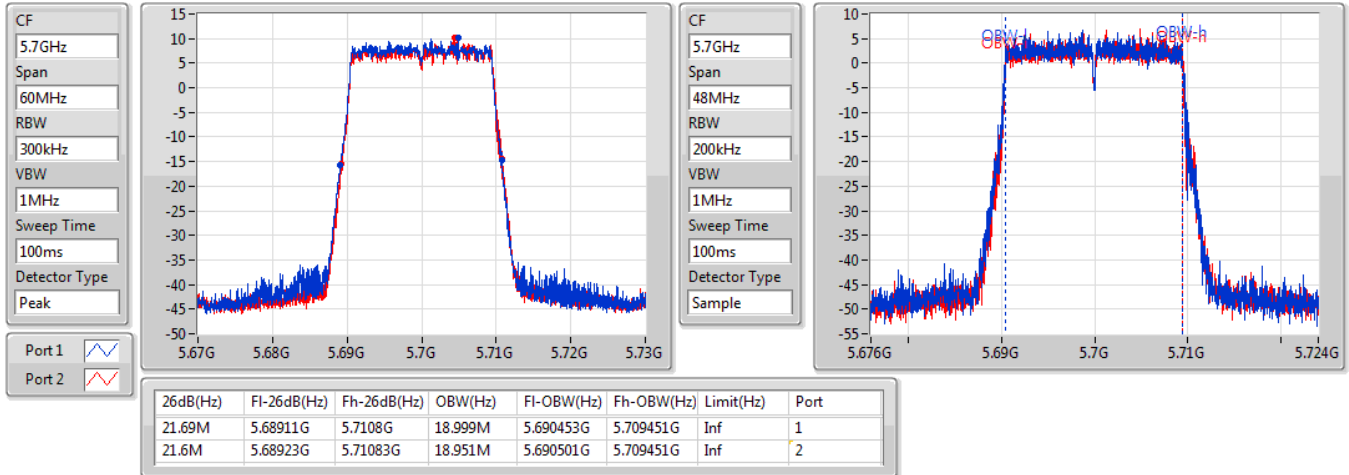

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5580MHz

16/07/2020

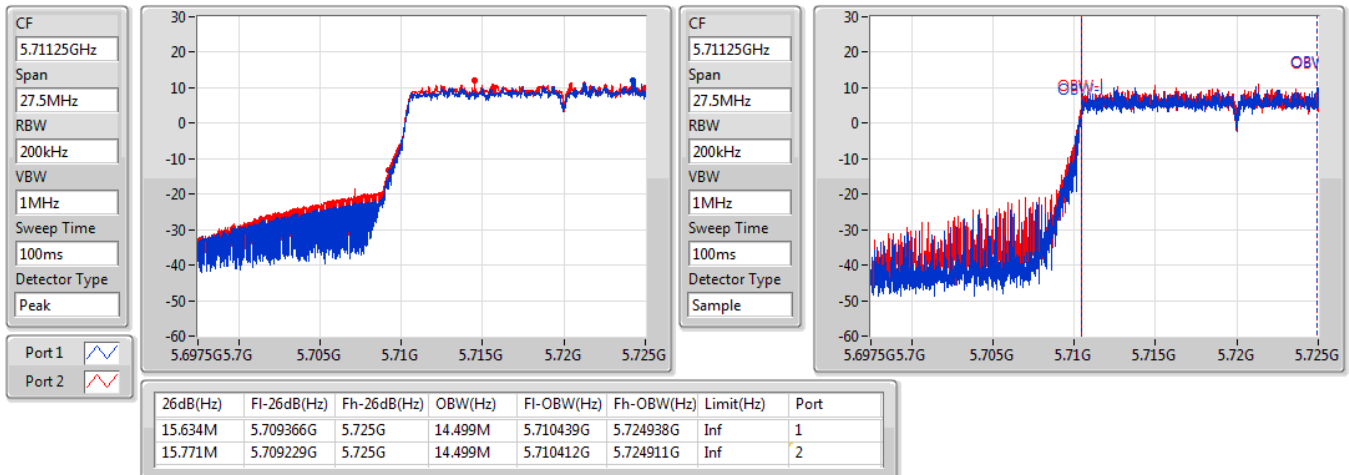


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5700MHz

16/07/2020

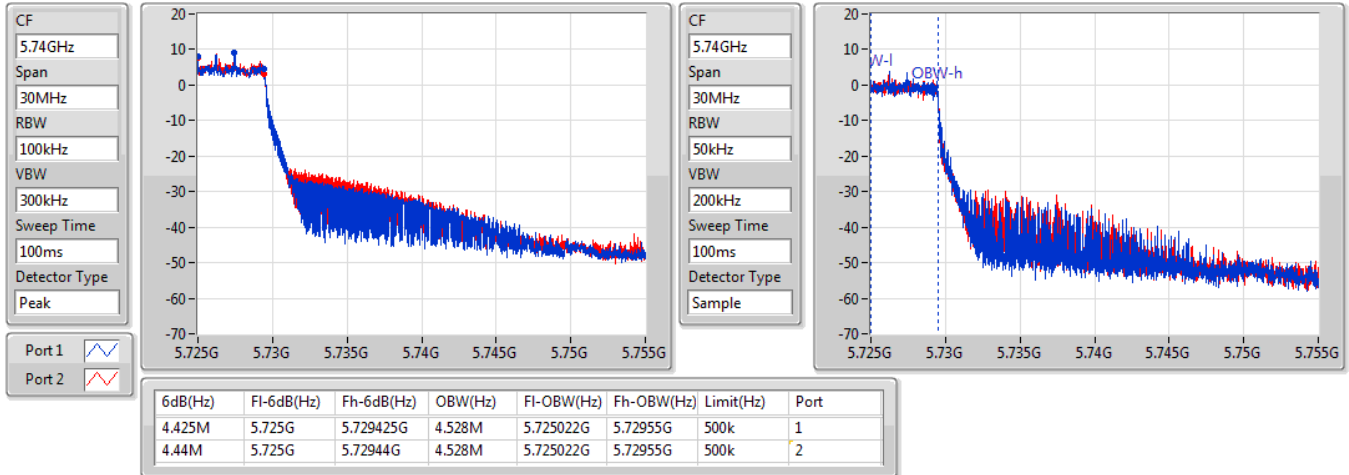

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

17/07/2020

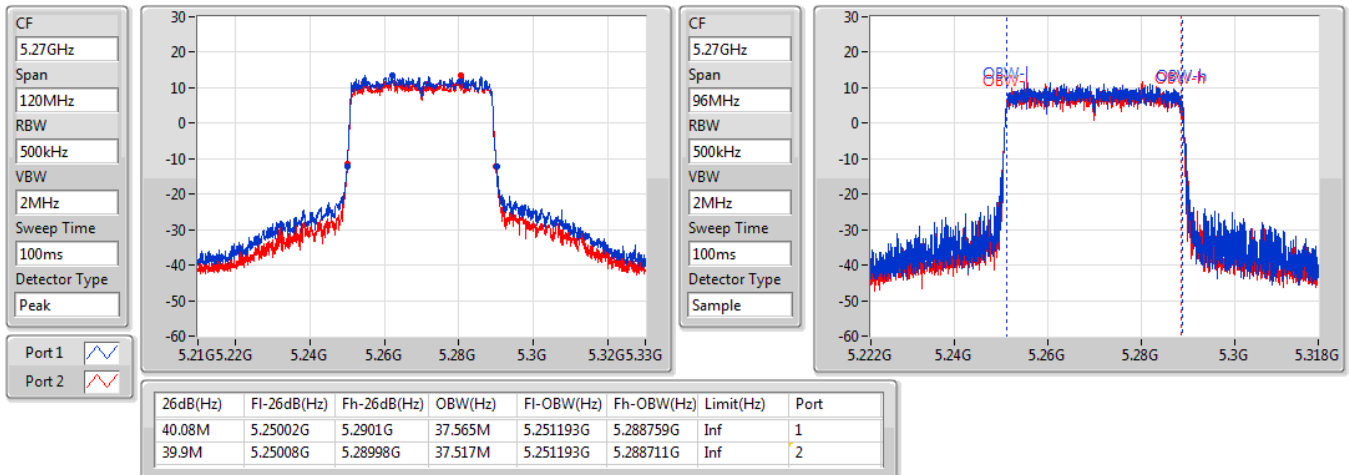


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

17/07/2020

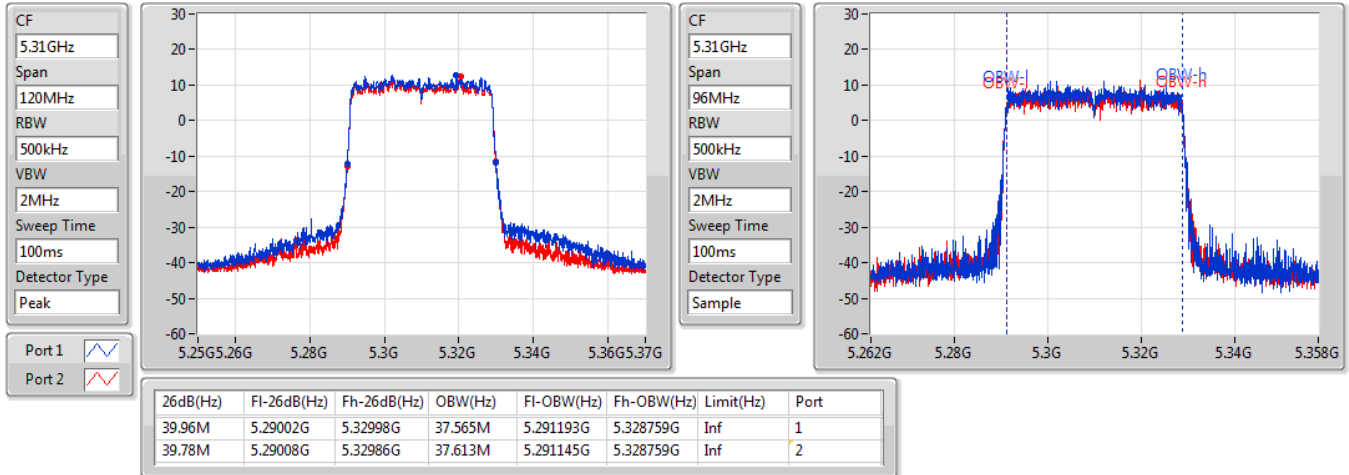

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5270MHz

17/07/2020

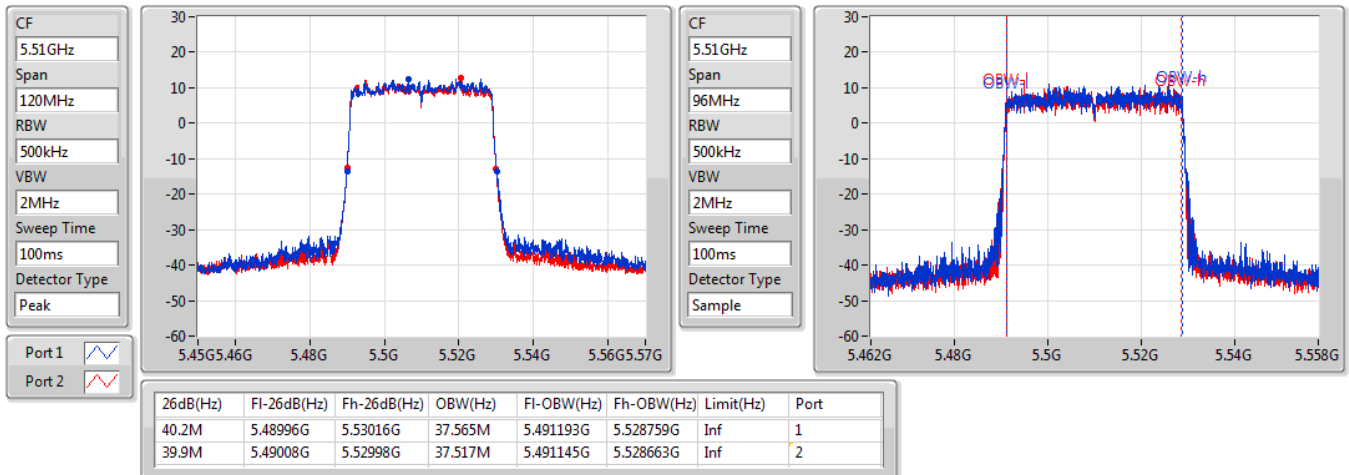


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5310MHz

17/07/2020

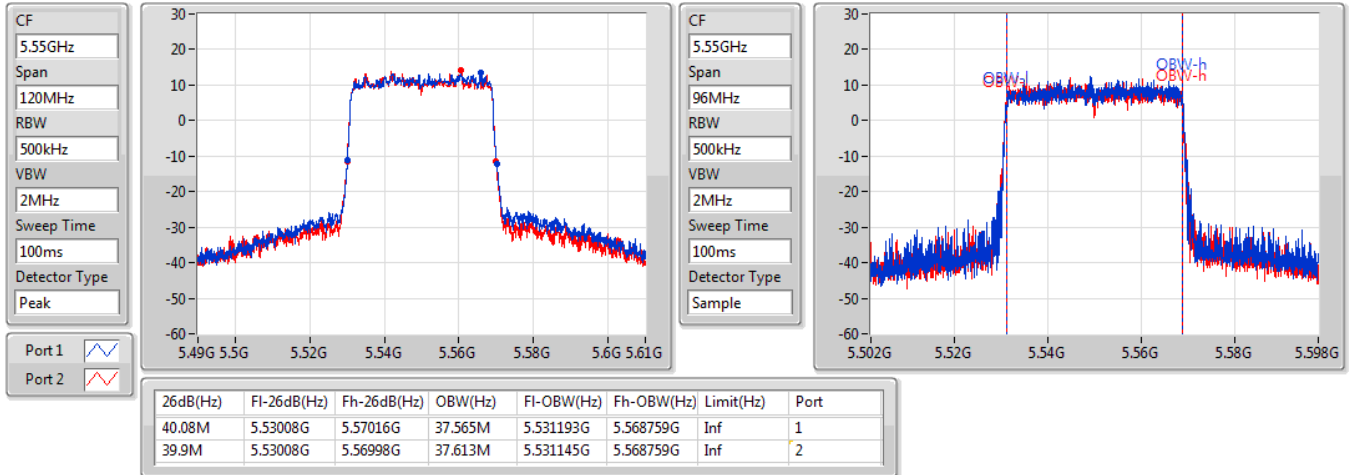

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5510MHz

17/07/2020

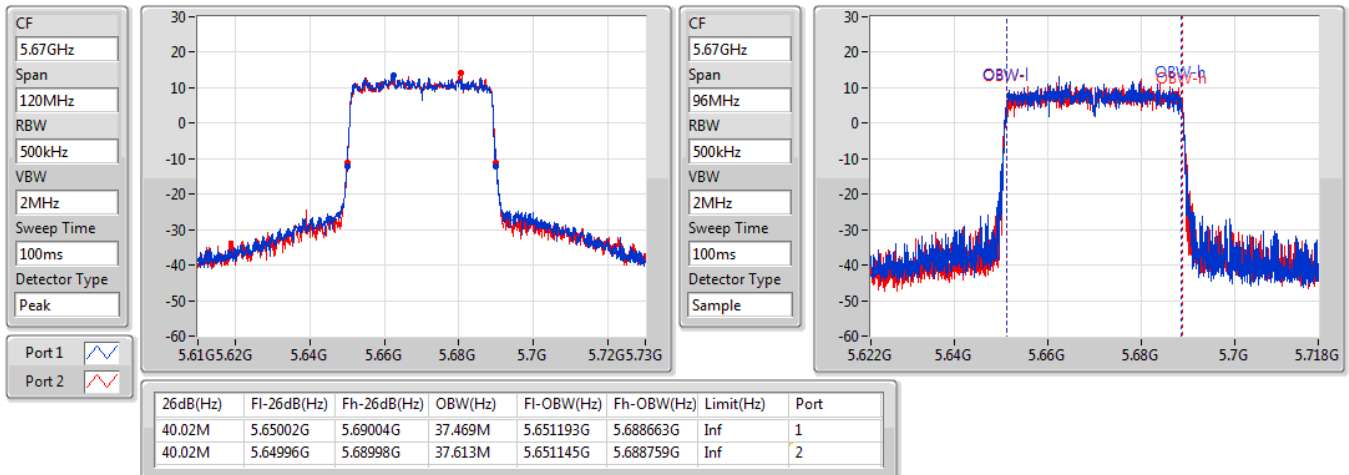


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5550MHz

17/07/2020

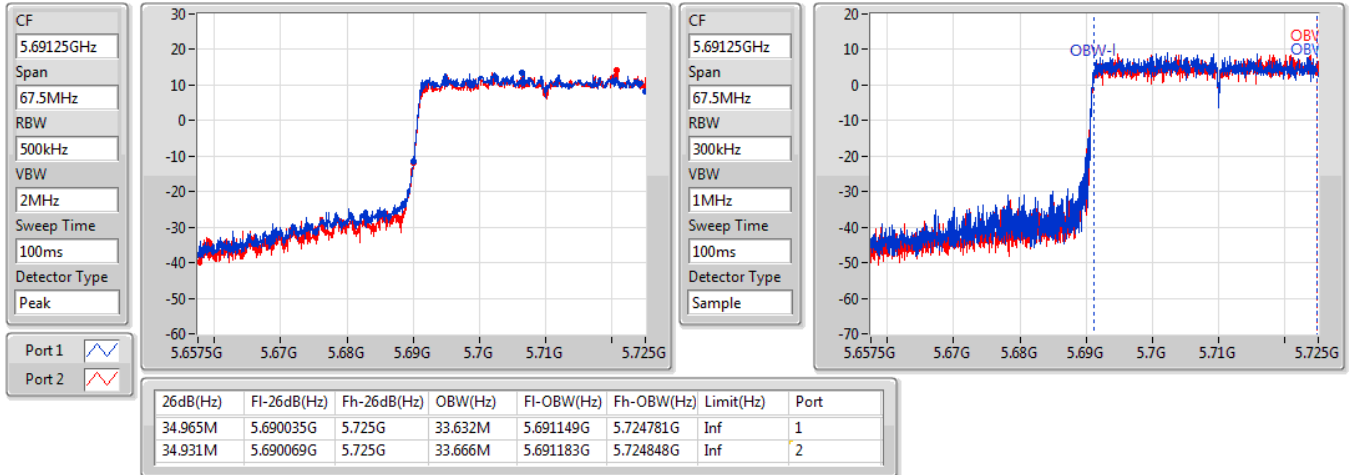

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5670MHz

17/07/2020

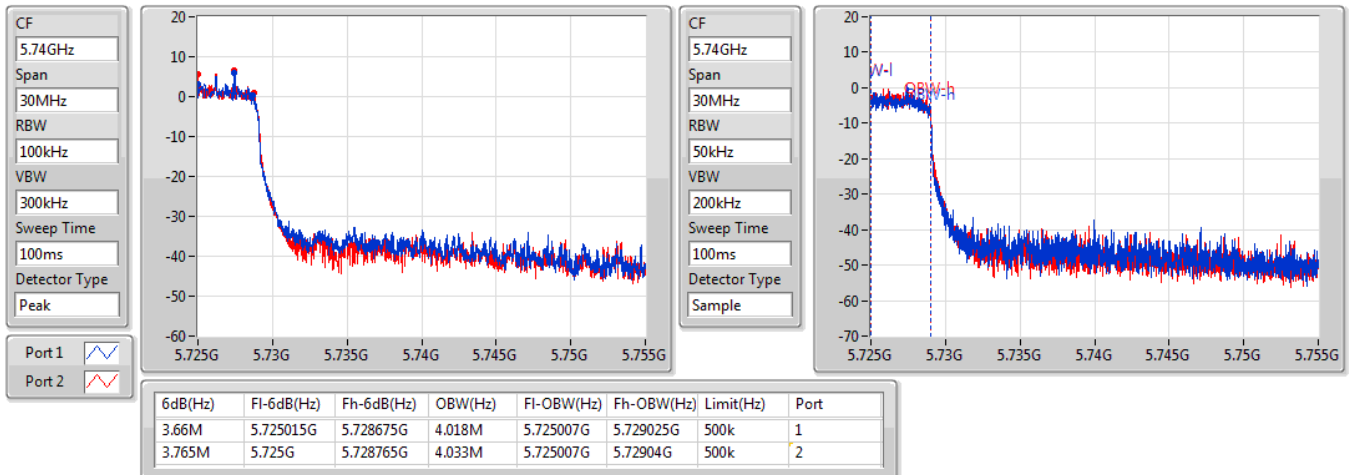


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

17/07/2020

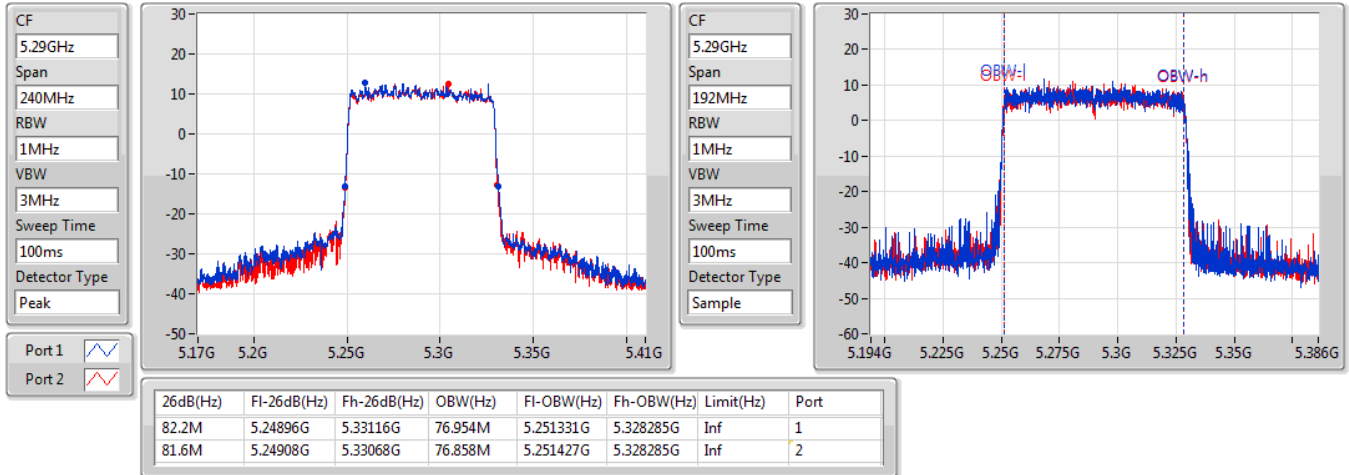

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

17/07/2020

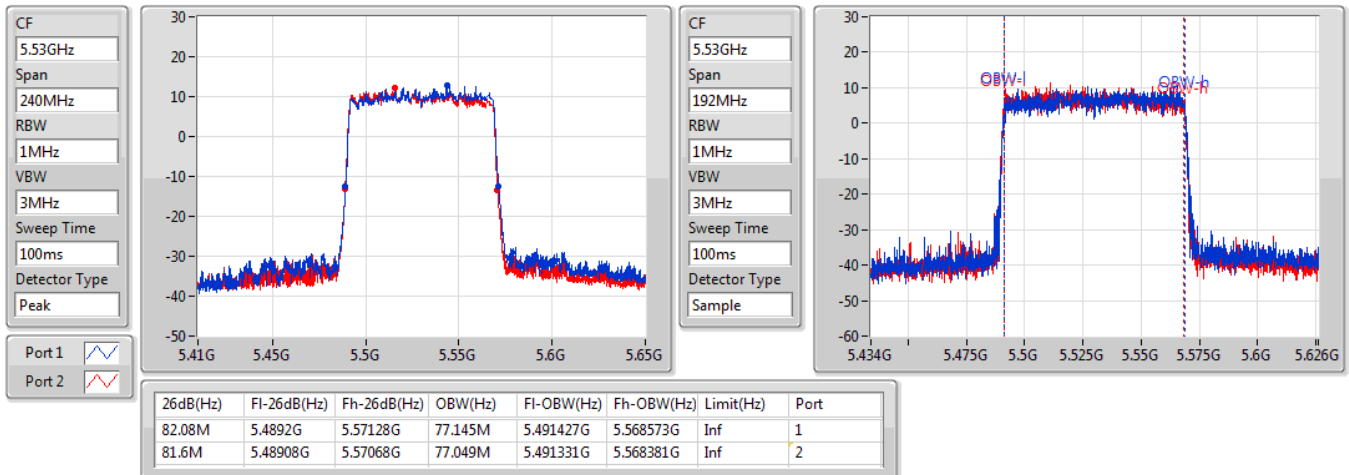


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5290MHz

17/07/2020

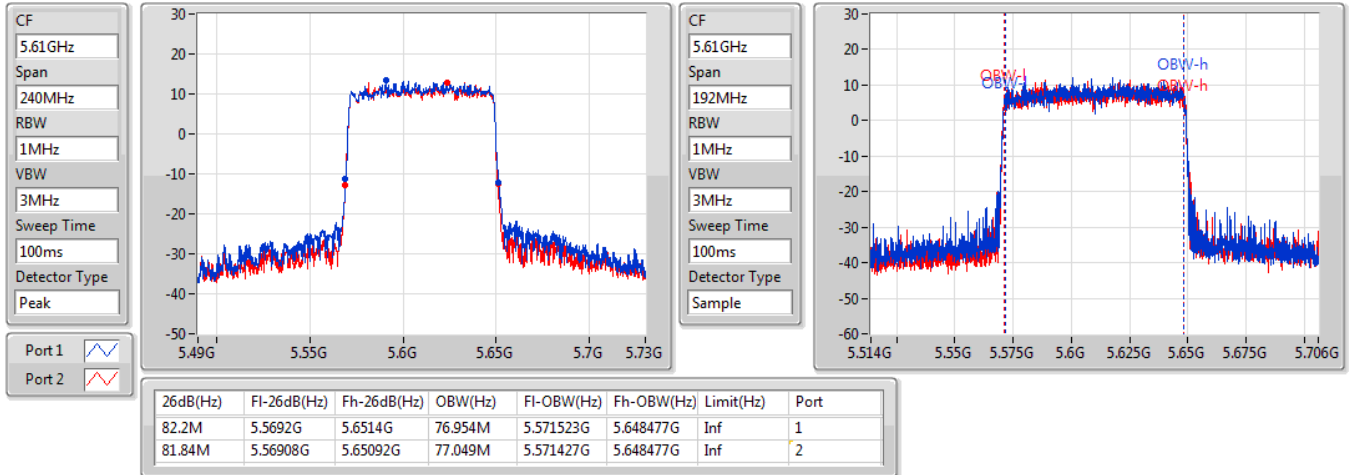

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5530MHz

17/07/2020

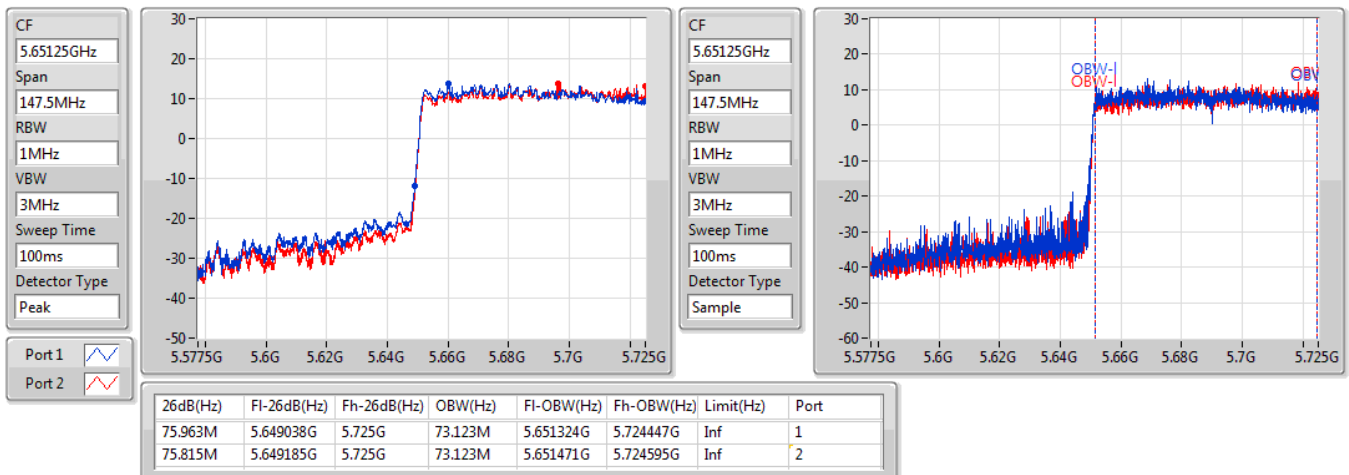


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5610MHz

17/07/2020


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

17/07/2020

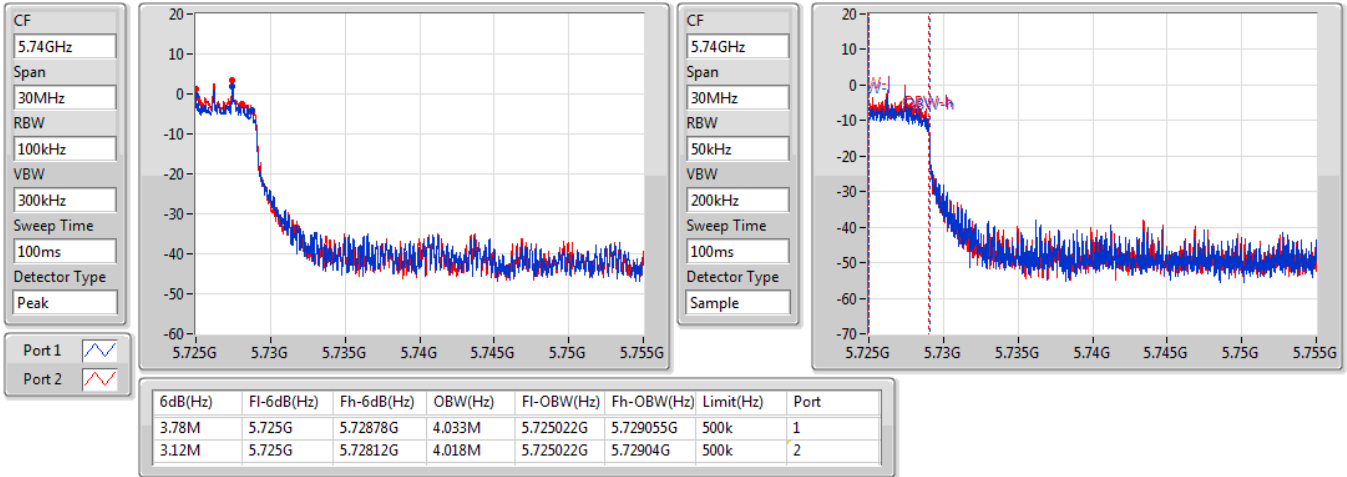


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

17/07/2020



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	21.48M	16.648M	16M6D1D	21.3M	16.576M
802.11n HT20_Nss1,(MCS0)_2TX	21.9M	17.799M	17M8D1D	21.42M	17.703M
802.11n HT40_Nss1,(MCS0)_2TX	40.2M	36.27M	36M3D1D	39.48M	36.222M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.78M	17.799M	17M8D1D	21.6M	17.727M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.32M	36.318M	36M3D1D	39.72M	36.222M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.08M	75.706M	75M7D1D	81.24M	75.706M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.69M	18.999M	19M0D1D	21.51M	18.951M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.08M	37.565M	37M6D1D	39.84M	37.469M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.96M	77.049M	77M0D1D	81.6M	76.858M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.54M	16.624M	16M6D1D	15.524M	13.345M
802.11n HT20_Nss1,(MCS0)_2TX	21.75M	17.799M	17M8D1D	15.648M	13.894M
802.11n HT40_Nss1,(MCS0)_2TX	40.26M	36.27M	36M3D1D	34.83M	33.025M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.78M	17.799M	17M8D1D	15.73M	13.922M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.38M	36.318M	36M3D1D	34.864M	32.957M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.2M	75.802M	75M8D1D	75.594M	72.534M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.69M	18.999M	19M0D1D	15.785M	14.472M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.14M	37.613M	37M6D1D	34.898M	33.632M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.08M	77.145M	77M1D1D	75.815M	73.123M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.12M	3.853M	3M85D1D	3.12M	3.823M
802.11n HT20_Nss1,(MCS0)_2TX	3.735M	4.213M	4M21D1D	3.735M	4.153M
802.11n HT40_Nss1,(MCS0)_2TX	3.12M	3.448M	3M45D1D	3.105M	3.433M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.75M	4.228M	4M23D1D	3.75M	4.213M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.12M	3.493M	3M49D1D	3.105M	3.463M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.105M	3.598M	3M60D1D	3.09M	3.523M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.455M	4.513M	4M51D1D	4.425M	4.513M
802.11ax HEW40_Nss1,(MCS0)_2TX	3.69M	4.003M	4M00D1D	3.525M	4.003M
802.11ax HEW80_Nss1,(MCS0)_2TX	3.51M	4.048M	4M05D1D	3.495M	4.033M

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	16.576M	21.36M	16.6M
5300MHz	Pass	Inf	21.45M	16.648M	21.33M	16.576M
5320MHz	Pass	Inf	21.48M	16.6M	21.3M	16.6M
5500MHz	Pass	Inf	21.39M	16.6M	21.33M	16.6M
5580MHz	Pass	Inf	21.42M	16.624M	21.3M	16.6M
5700MHz	Pass	Inf	21.54M	16.624M	21.36M	16.552M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.538M	13.358M	15.524M	13.345M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.853M	3.12M	3.823M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.81M	17.751M	21.48M	17.703M
5300MHz	Pass	Inf	21.9M	17.799M	21.42M	17.727M
5320MHz	Pass	Inf	21.78M	17.775M	21.6M	17.727M
5500MHz	Pass	Inf	21.69M	17.799M	21.54M	17.727M
5580MHz	Pass	Inf	21.75M	17.775M	21.6M	17.775M
5700MHz	Pass	Inf	21.75M	17.775M	21.45M	17.727M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.84M	13.963M	15.648M	13.894M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.735M	4.153M	3.735M	4.213M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.2M	36.222M	39.48M	36.27M
5310MHz	Pass	Inf	40.08M	36.27M	39.54M	36.222M
5510MHz	Pass	Inf	40.2M	36.222M	39.54M	36.174M
5550MHz	Pass	Inf	40.26M	36.27M	39.54M	36.222M
5670MHz	Pass	Inf	40.02M	36.222M	39.42M	36.222M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.201M	33.058M	34.83M	33.025M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.448M	3.12M	3.433M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.75M	17.799M	21.63M	17.727M
5300MHz	Pass	Inf	21.78M	17.775M	21.6M	17.799M
5320MHz	Pass	Inf	21.78M	17.775M	21.6M	17.751M
5500MHz	Pass	Inf	21.78M	17.751M	21.57M	17.751M
5580MHz	Pass	Inf	21.69M	17.727M	21.57M	17.799M
5700MHz	Pass	Inf	21.75M	17.799M	21.54M	17.751M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.744M	13.922M	15.73M	13.949M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.75M	4.228M	3.75M	4.213M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.32M	36.318M	39.84M	36.318M
5310MHz	Pass	Inf	40.32M	36.222M	39.72M	36.27M
5510MHz	Pass	Inf	40.26M	36.27M	39.96M	36.318M
5550MHz	Pass	Inf	40.38M	36.222M	39.9M	36.174M
5670MHz	Pass	Inf	40.2M	36.27M	39.96M	36.222M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.269M	32.991M	34.864M	32.957M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.463M	3.12M	3.493M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-

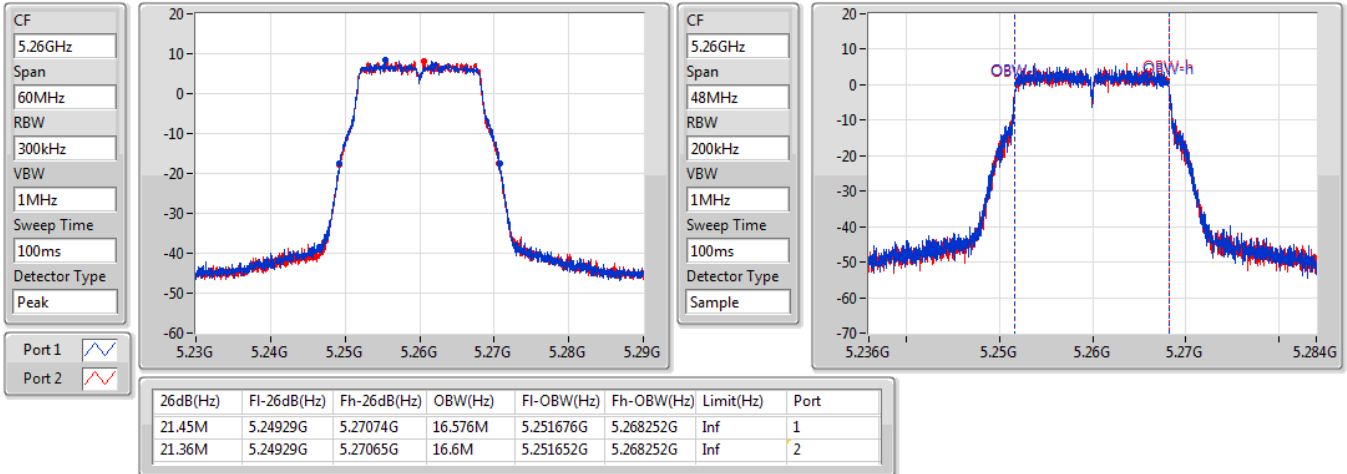
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5290MHz	Pass	Inf	82.08M	75.706M	81.24M	75.706M
5530MHz	Pass	Inf	82.2M	75.802M	81.48M	75.802M
5610MHz	Pass	Inf	81.84M	75.61M	81.72M	75.802M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.036M	72.534M	75.594M	72.534M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.09M	3.598M	3.105M	3.523M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.66M	18.975M	21.51M	18.975M
5300MHz	Pass	Inf	21.69M	18.951M	21.57M	18.999M
5320MHz	Pass	Inf	21.69M	18.975M	21.69M	18.951M
5500MHz	Pass	Inf	21.66M	18.975M	21.69M	18.999M
5580MHz	Pass	Inf	21.57M	18.975M	21.57M	18.975M
5700MHz	Pass	Inf	21.69M	18.975M	21.57M	18.975M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.785M	14.54M	15.813M	14.472M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.425M	4.513M	4.455M	4.513M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	39.96M	37.469M	39.84M	37.565M
5310MHz	Pass	Inf	40.08M	37.565M	39.84M	37.517M
5510MHz	Pass	Inf	40.08M	37.565M	39.9M	37.613M
5550MHz	Pass	Inf	40.02M	37.517M	39.9M	37.565M
5670MHz	Pass	Inf	40.14M	37.517M	39.9M	37.565M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.033M	33.733M	34.898M	33.632M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.69M	4.003M	3.525M	4.003M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.96M	77.049M	81.6M	76.858M
5530MHz	Pass	Inf	82.08M	76.954M	81.72M	77.145M
5610MHz	Pass	Inf	81.96M	77.145M	81.84M	77.145M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.963M	73.123M	75.815M	73.197M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.51M	4.048M	3.495M	4.033M

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

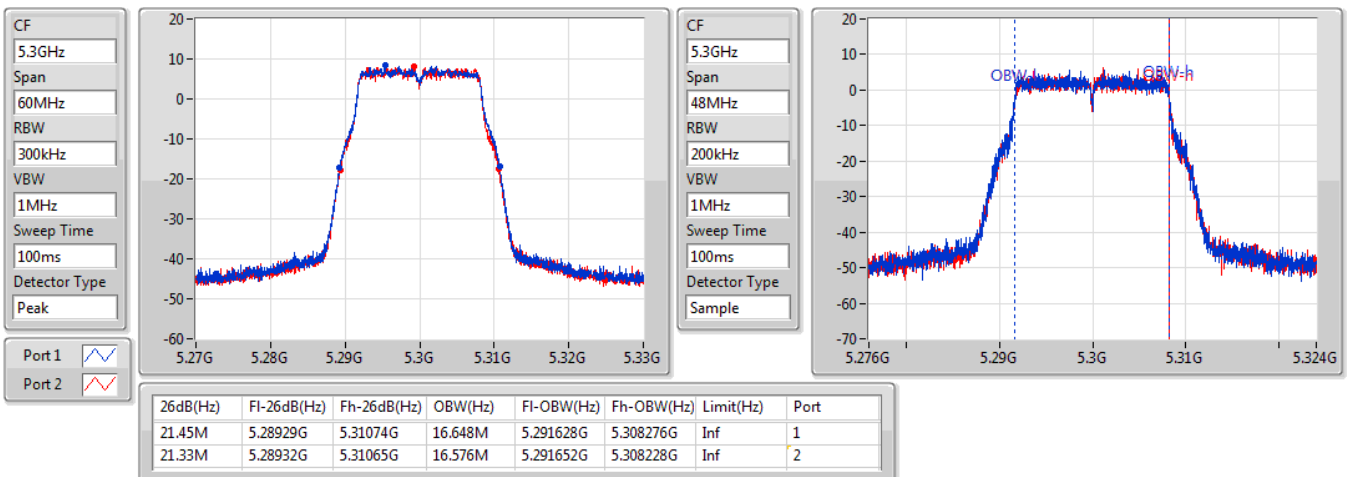
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

15/07/2020

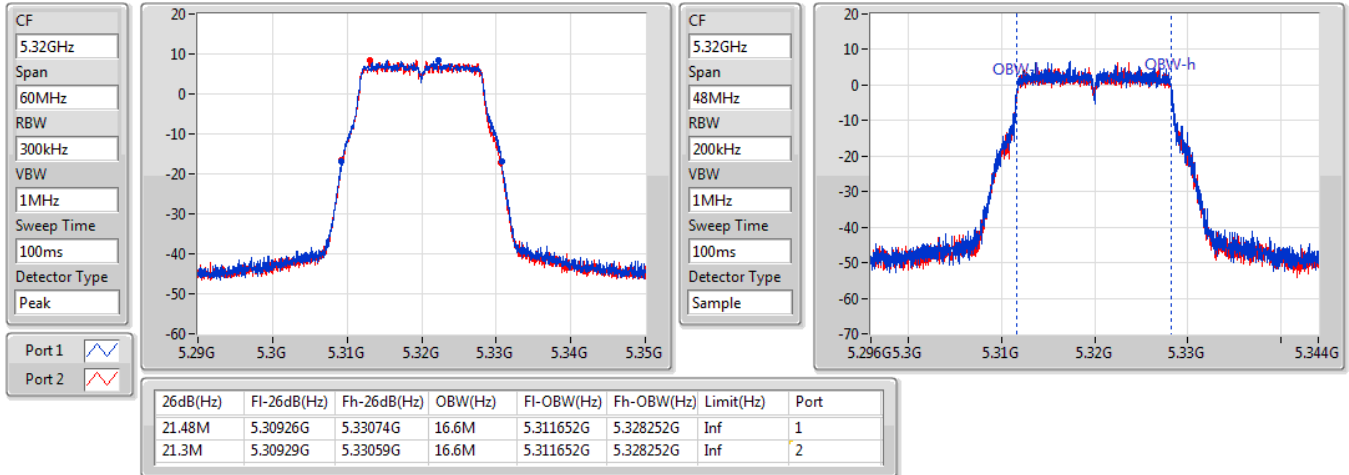

802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

15/07/2020

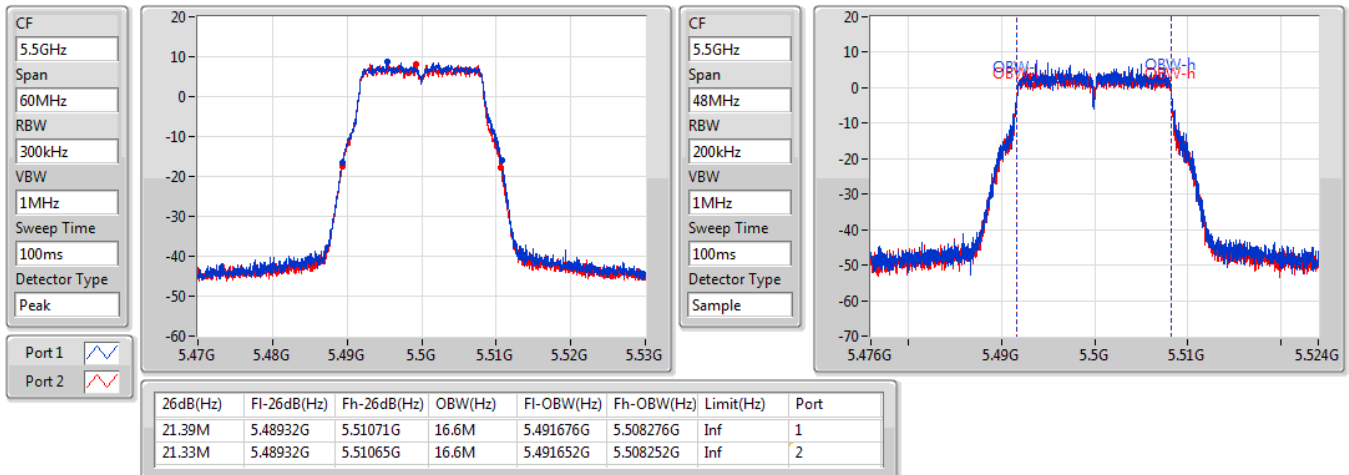


802.11a_Nss1,(6Mbps)_2TX
EBW
5320MHz

15/07/2020

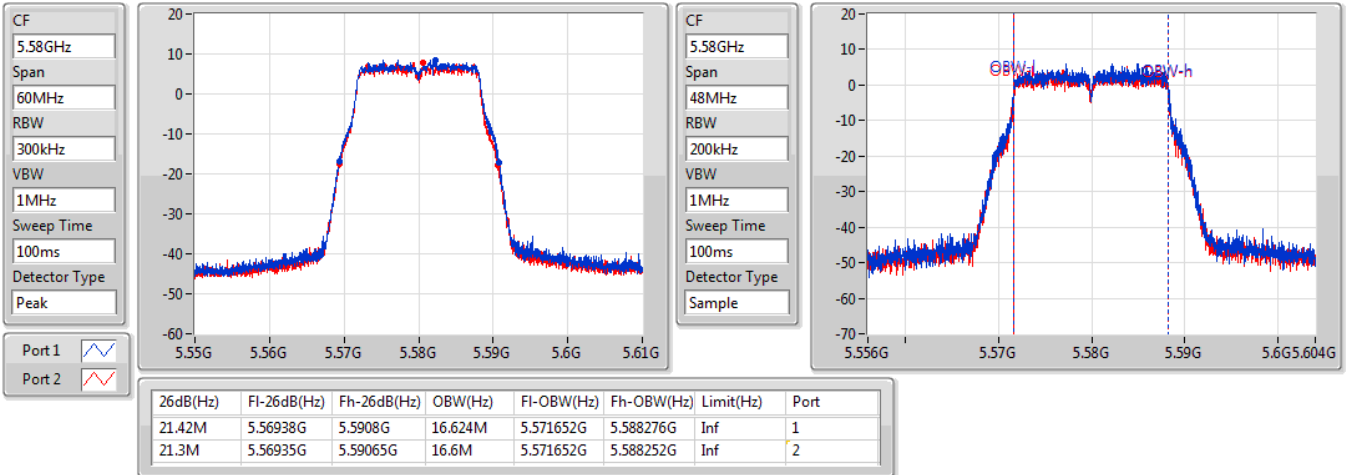

802.11a_Nss1,(6Mbps)_2TX
EBW
5500MHz

15/07/2020

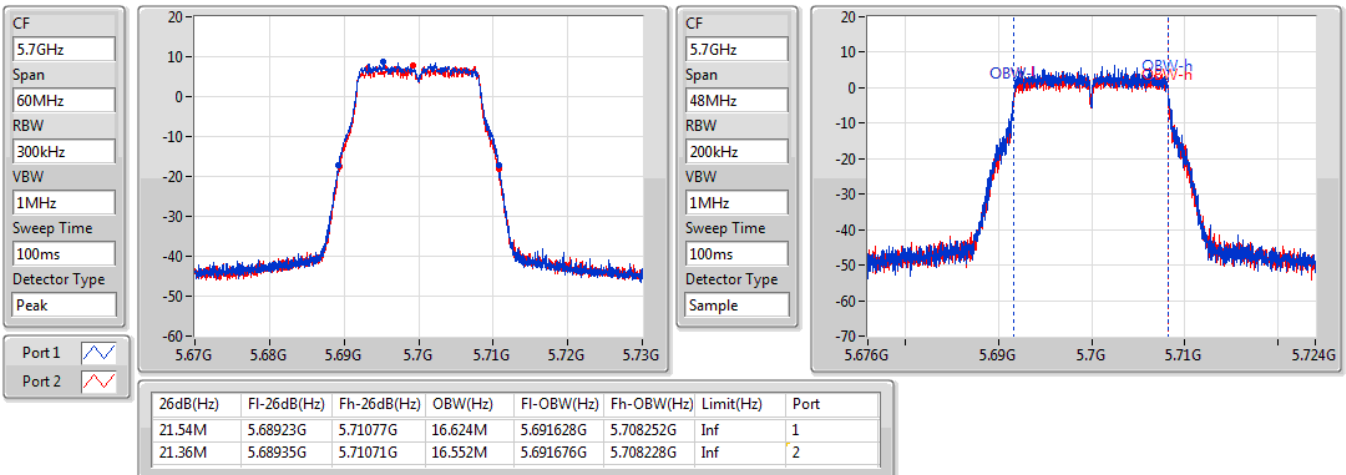


802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

15/07/2020

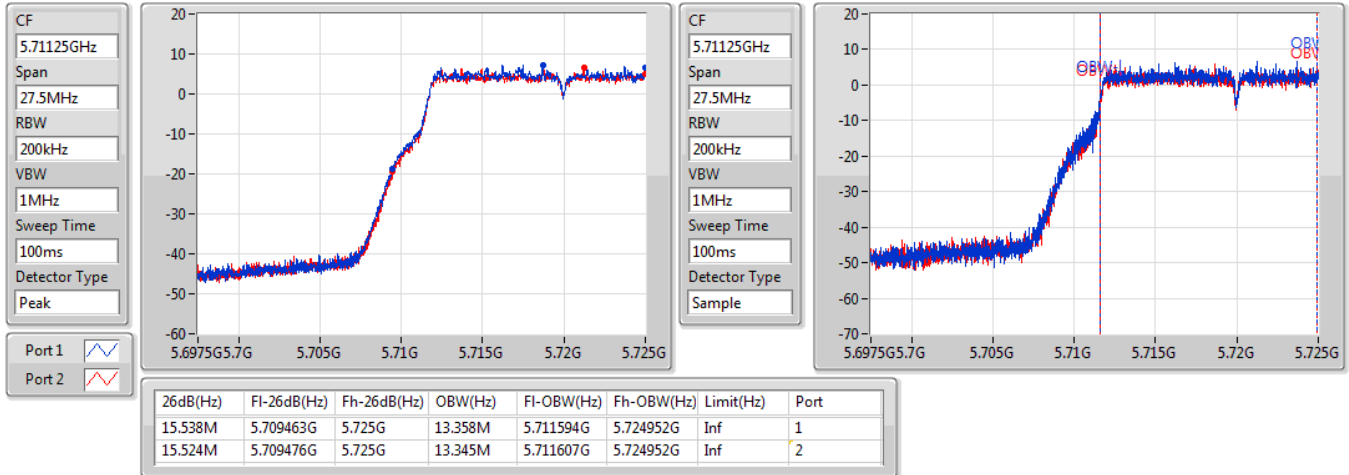

802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

15/07/2020

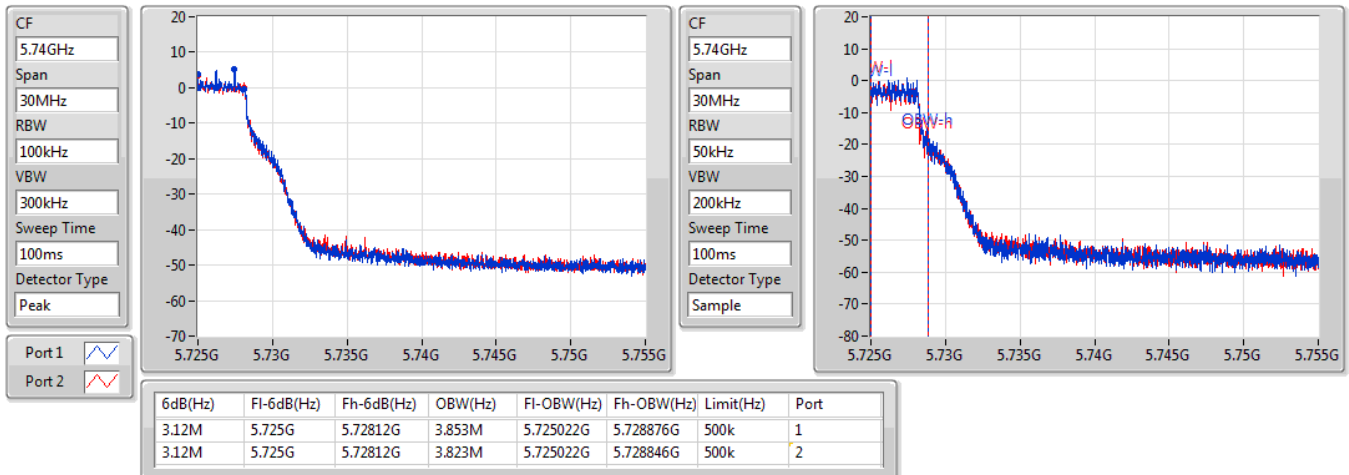


802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

15/07/2020

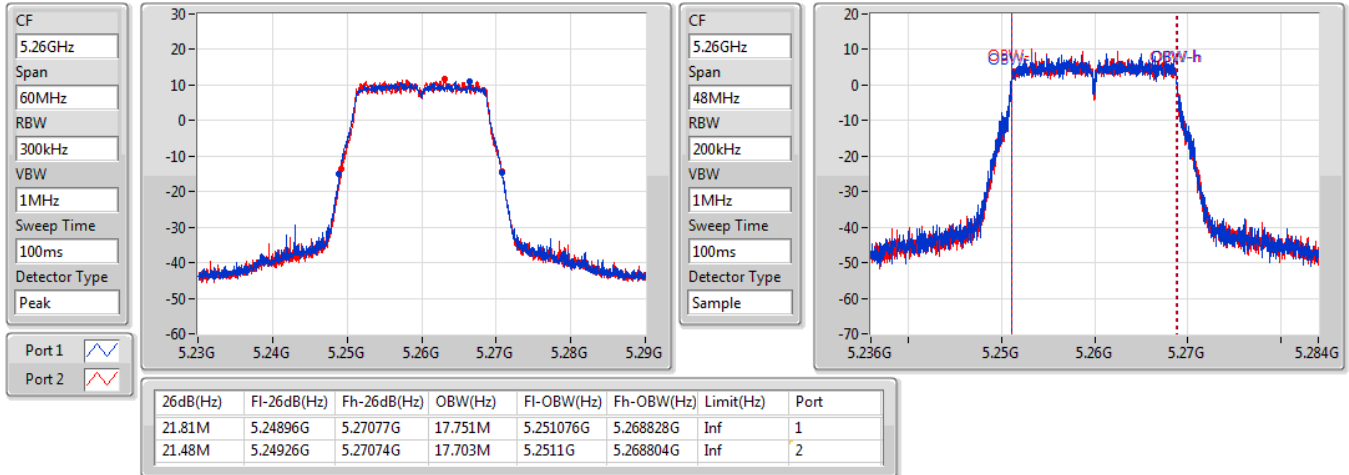

802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

15/07/2020

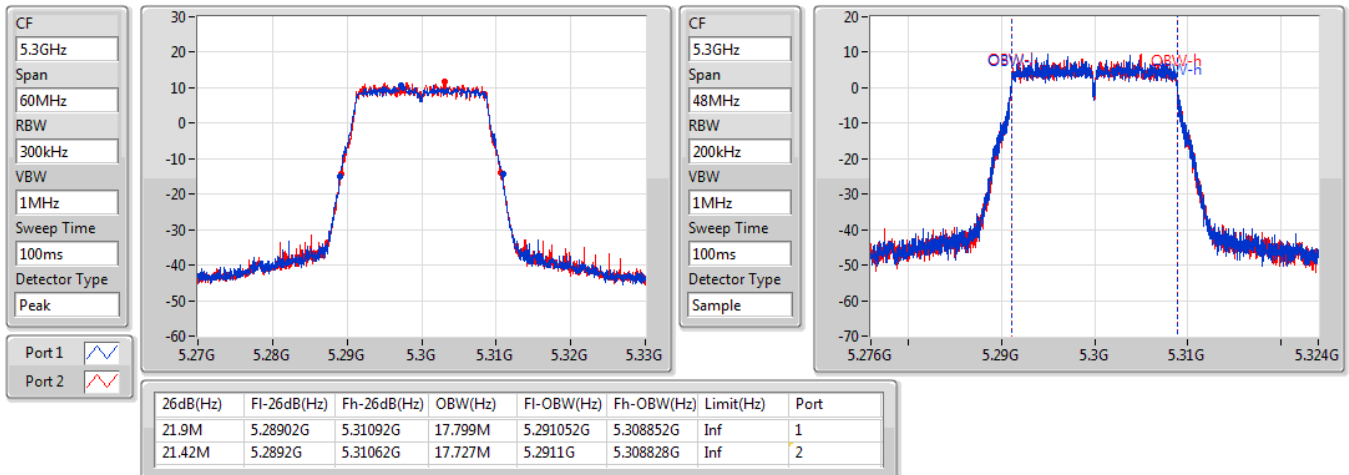


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5260MHz

22/07/2020

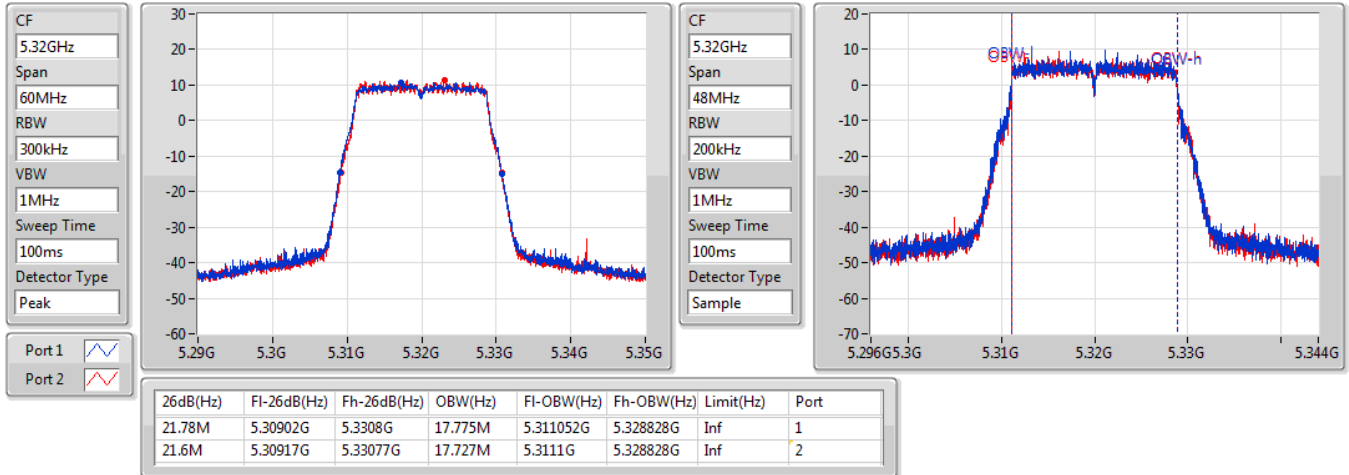

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5300MHz

22/07/2020

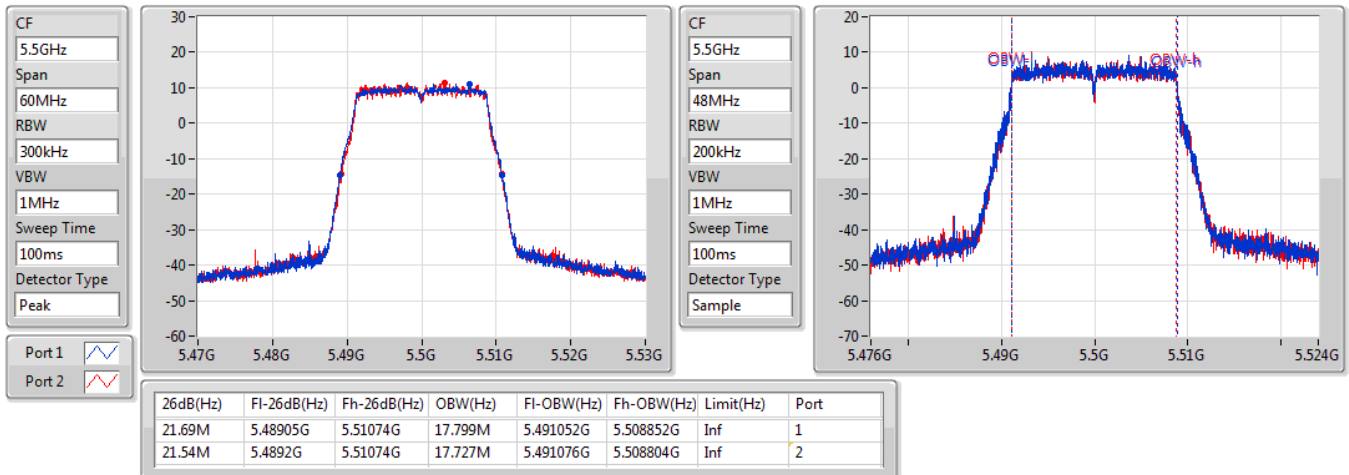


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5320MHz

22/07/2020

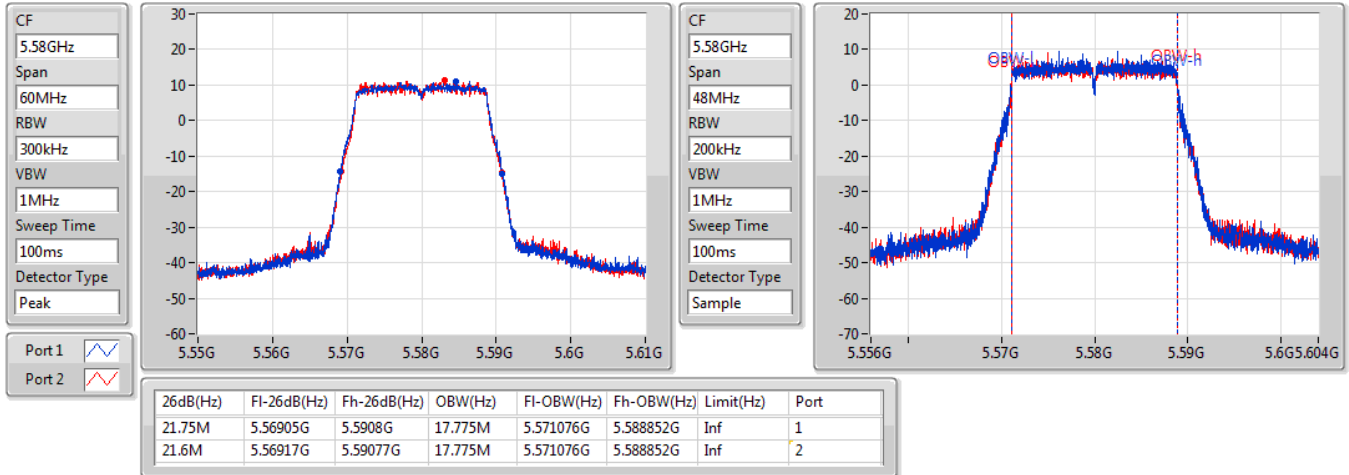

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5500MHz

22/07/2020

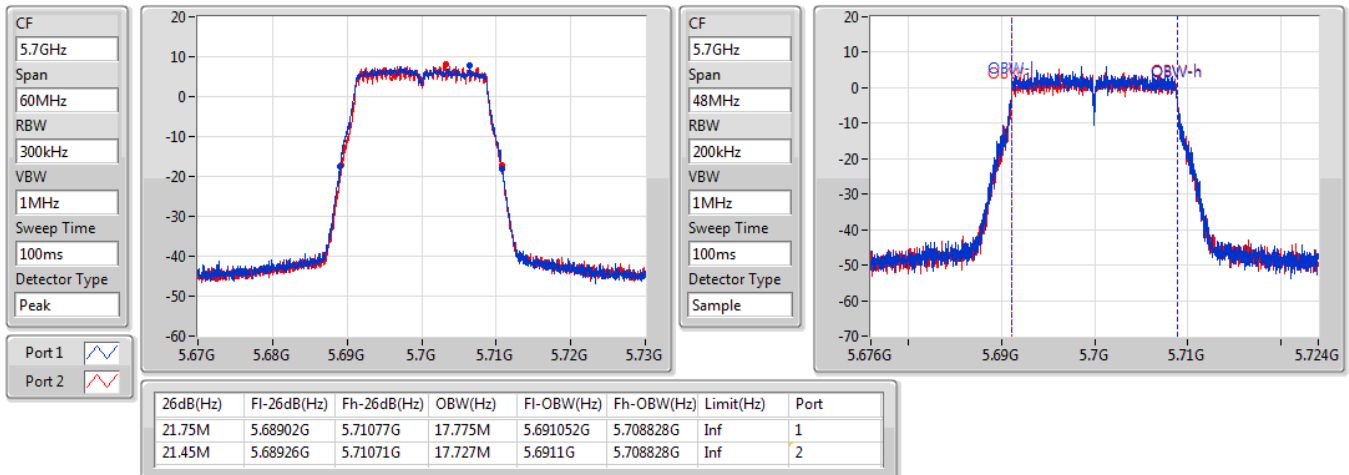


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5580MHz

22/07/2020

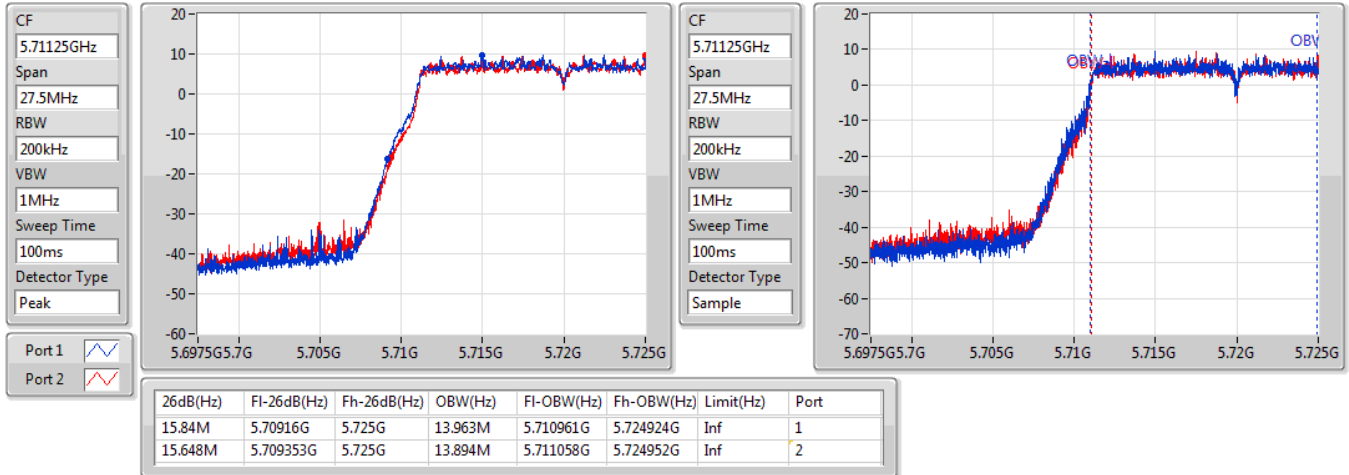

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5700MHz

22/07/2020

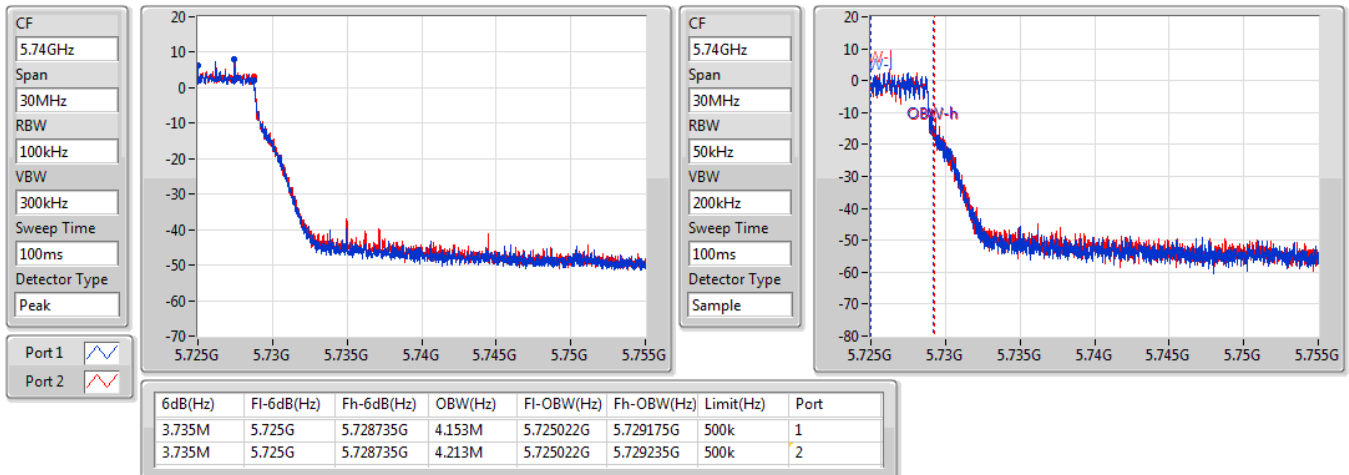


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

22/07/2020


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

22/07/2020

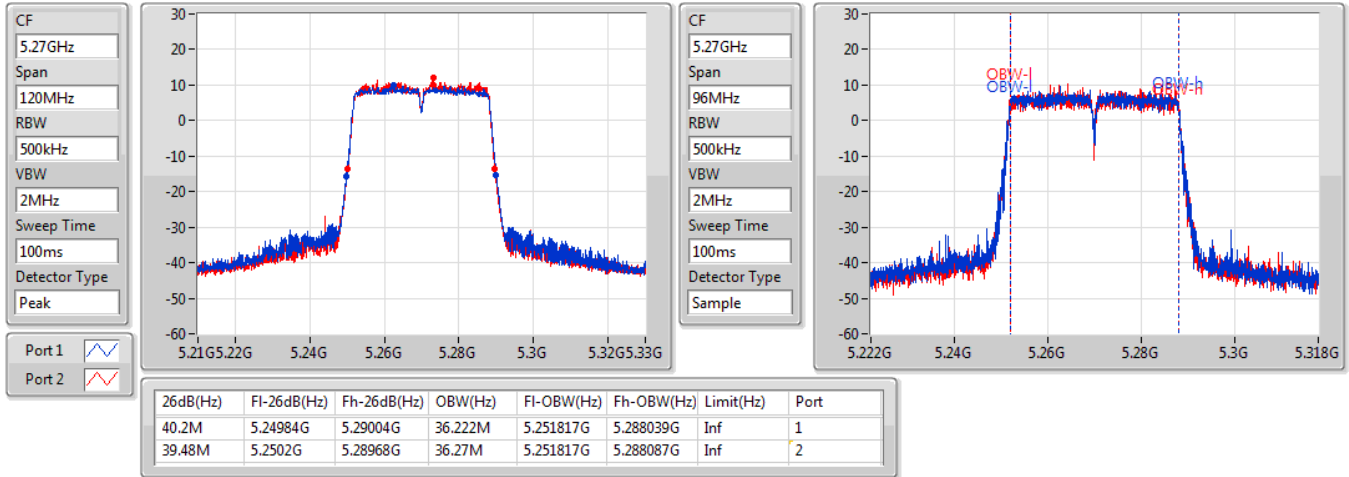


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5270MHz

22/07/2020

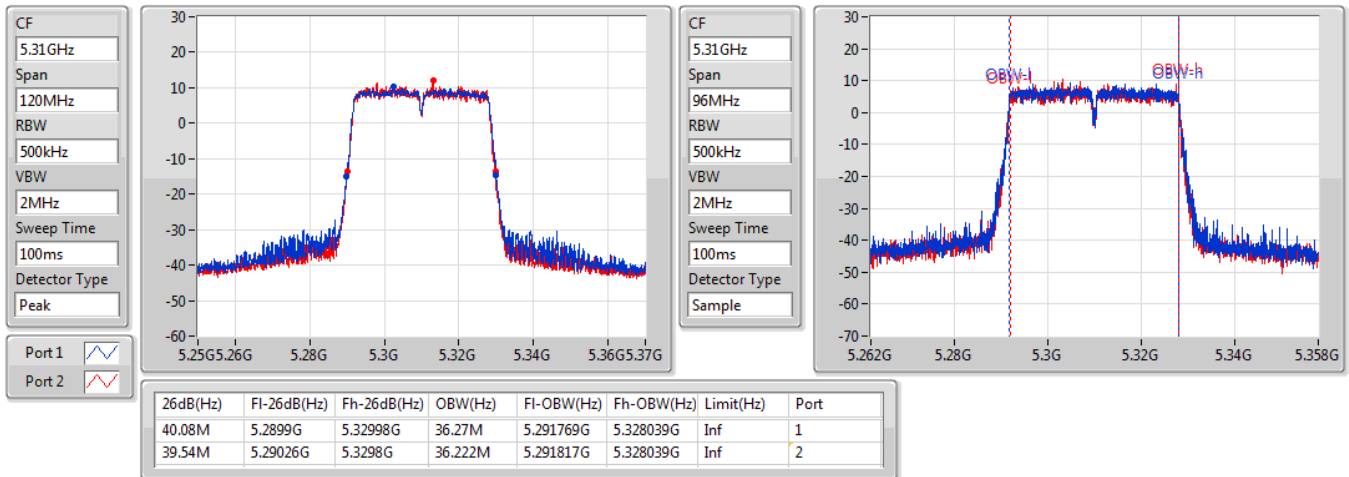


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5310MHz

22/07/2020

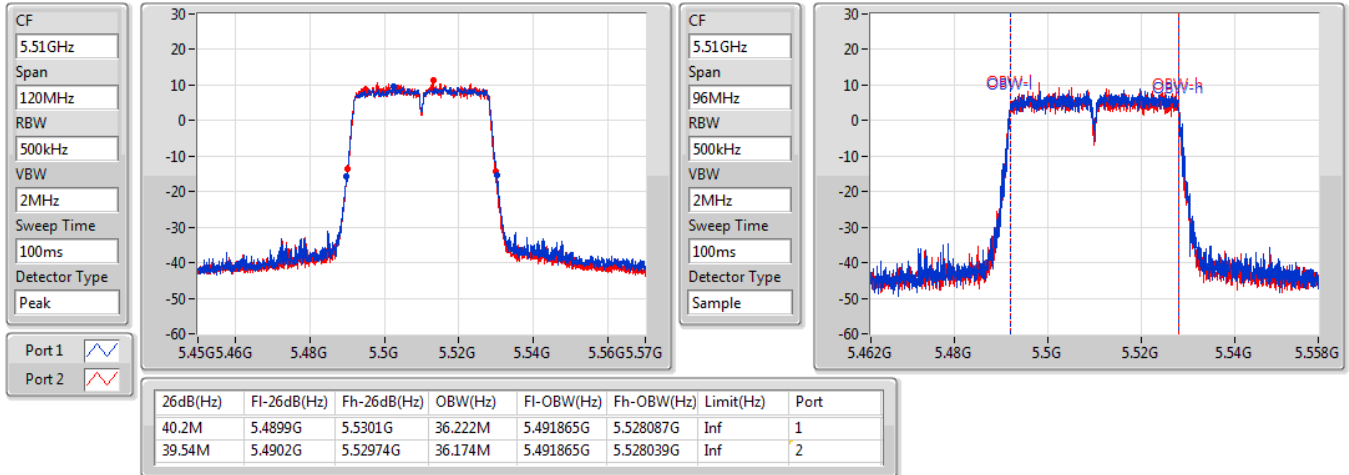


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5510MHz

22/07/2020

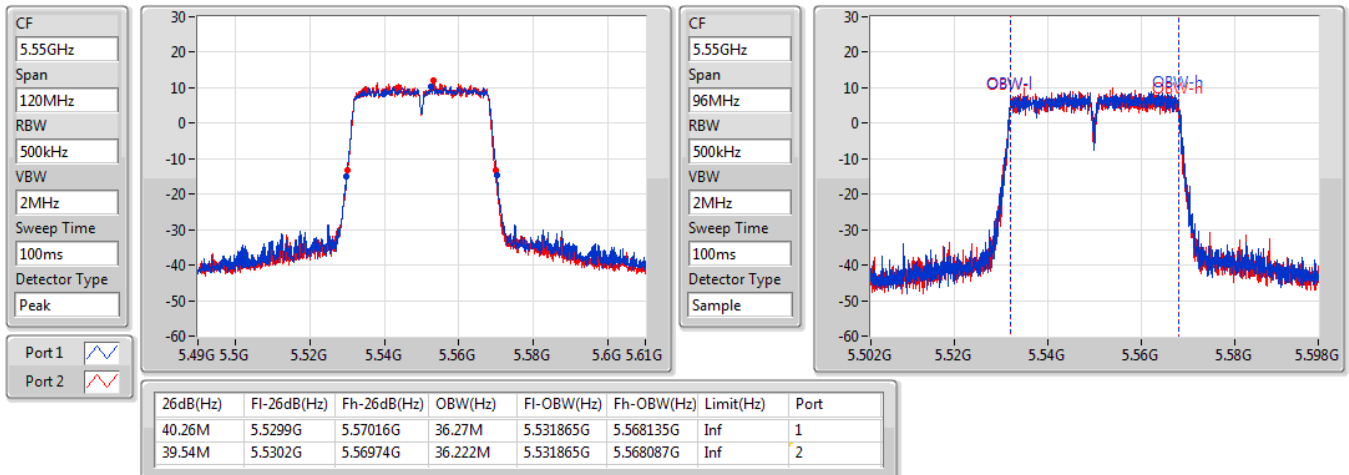


802.11n HT40_Nss1,(MCS0)_2TX

EBW

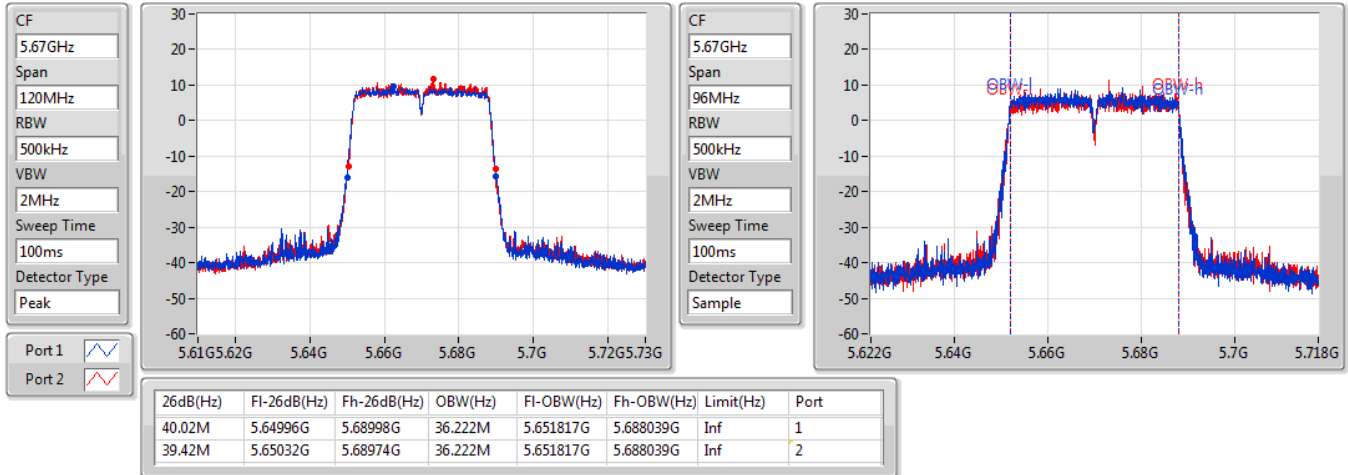
5550MHz

22/07/2020

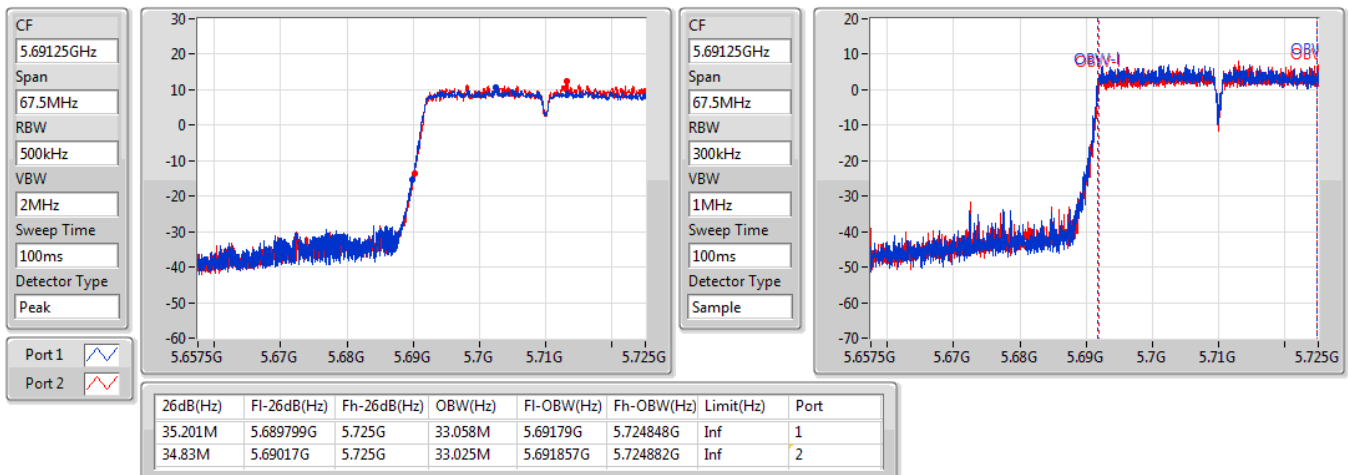


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5670MHz

22/07/2020

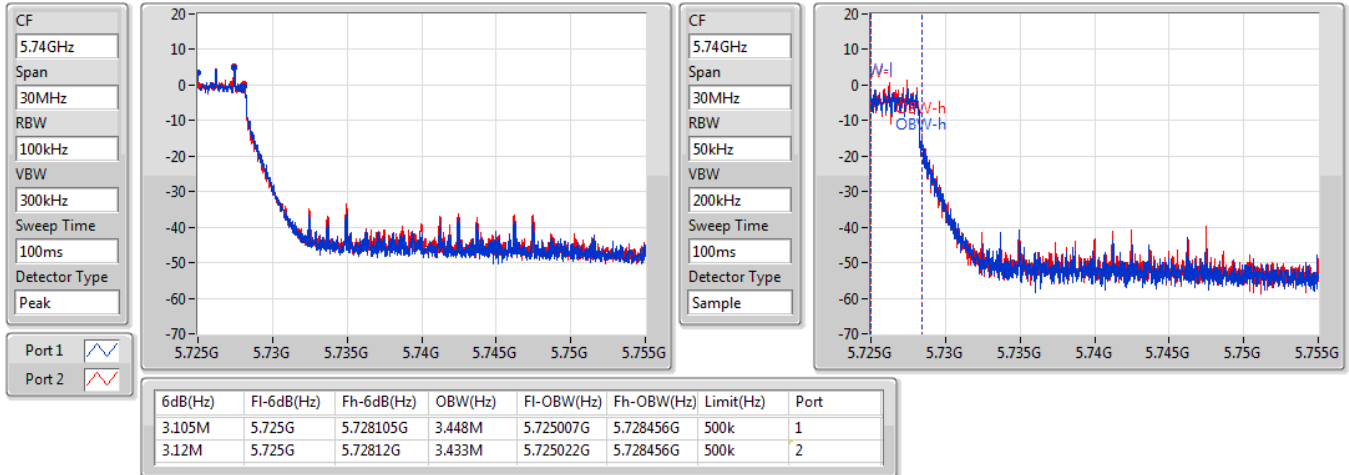

802.11n HT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

22/07/2020

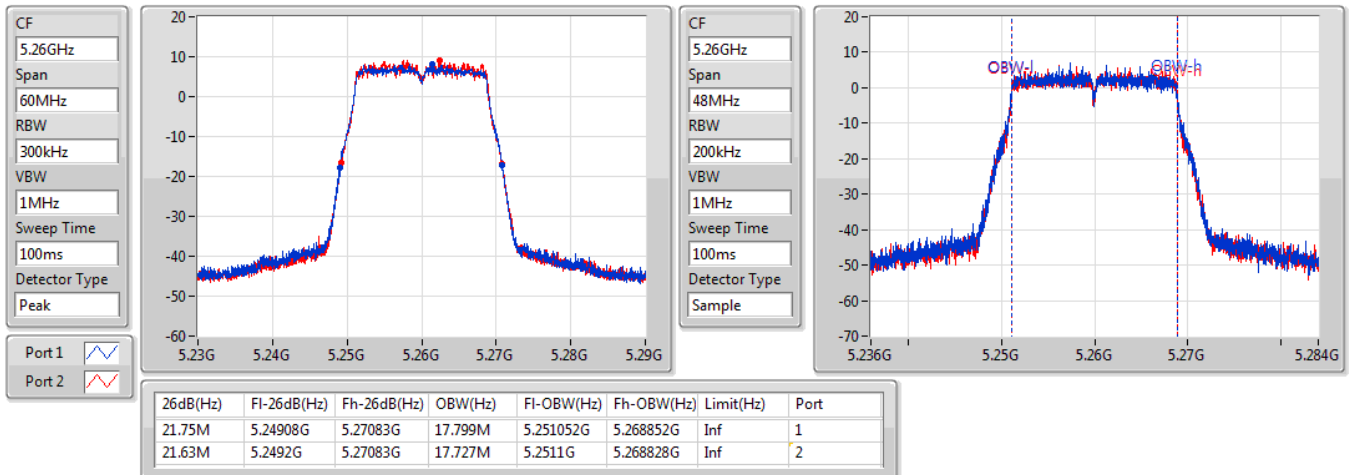


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

22/07/2020

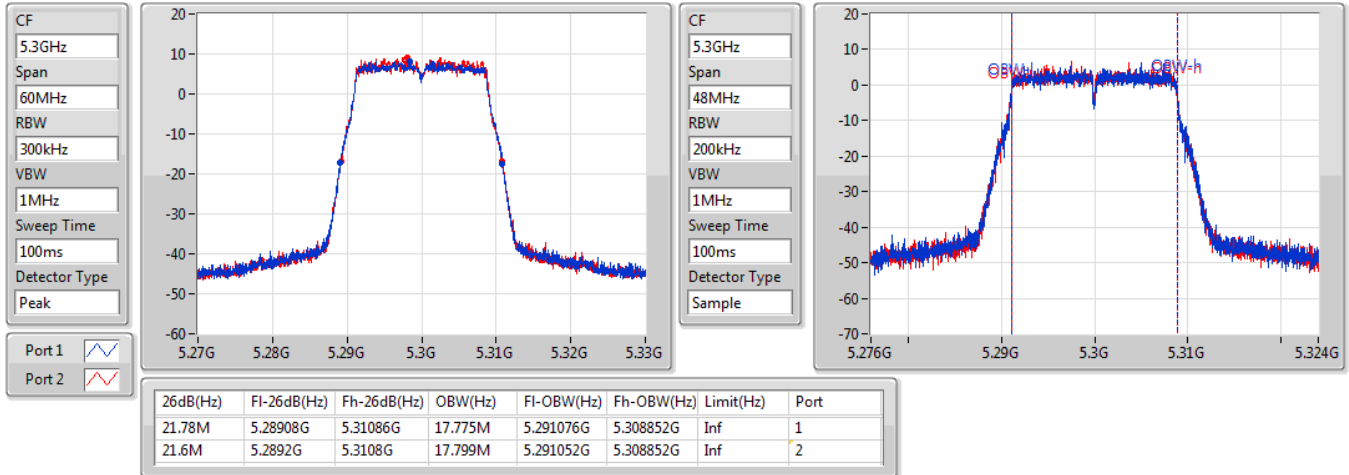

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5260MHz

16/07/2020

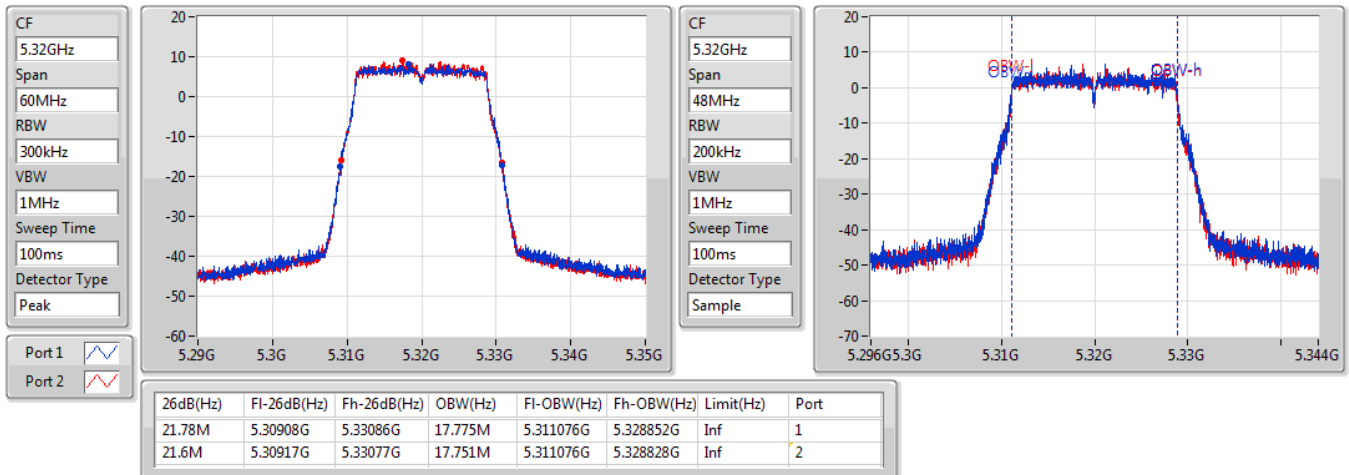


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

16/07/2020

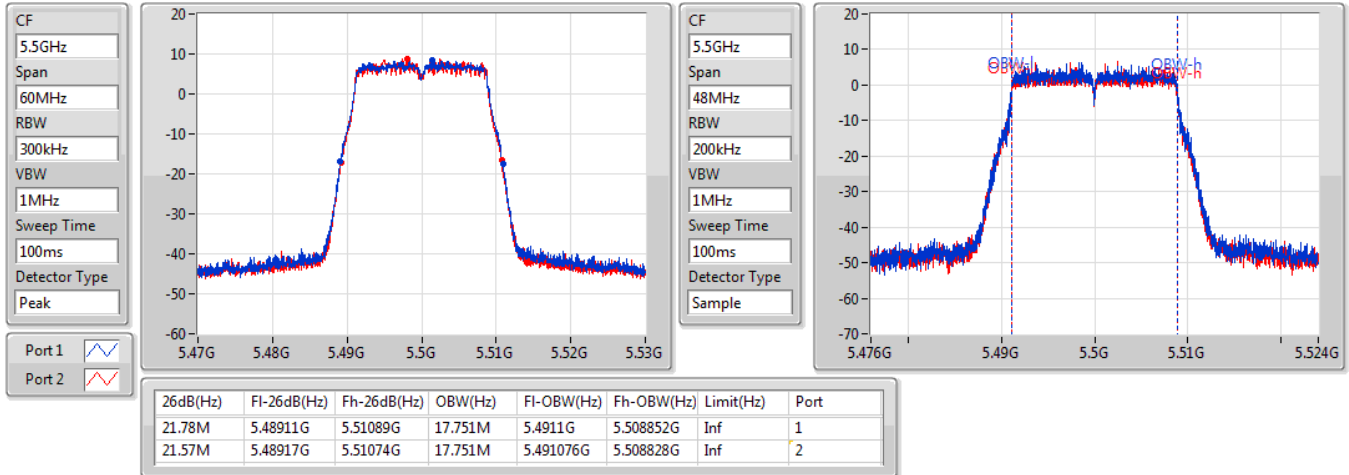

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5320MHz

16/07/2020

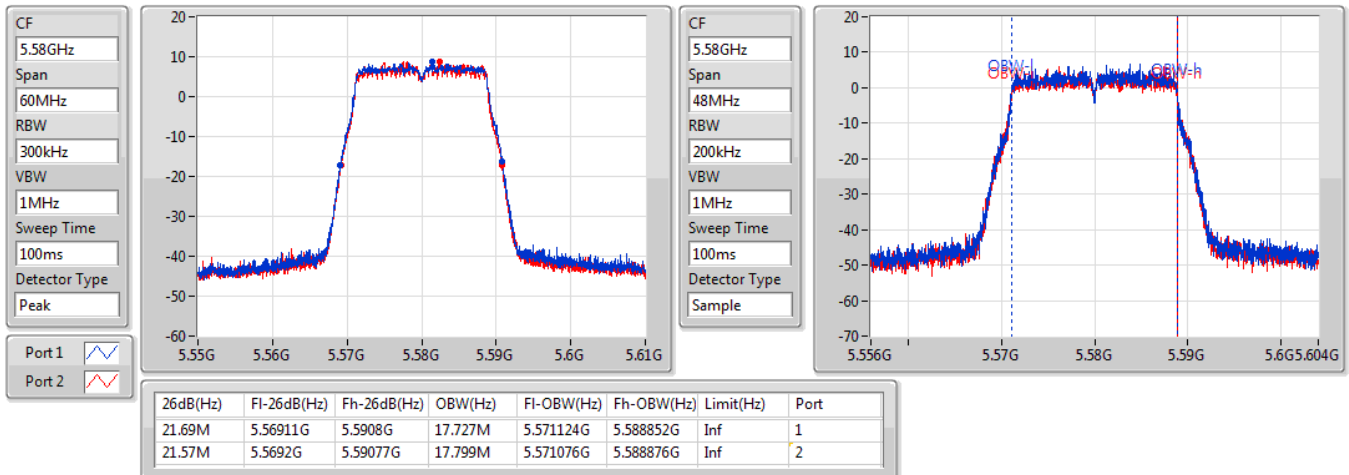


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

16/07/2020

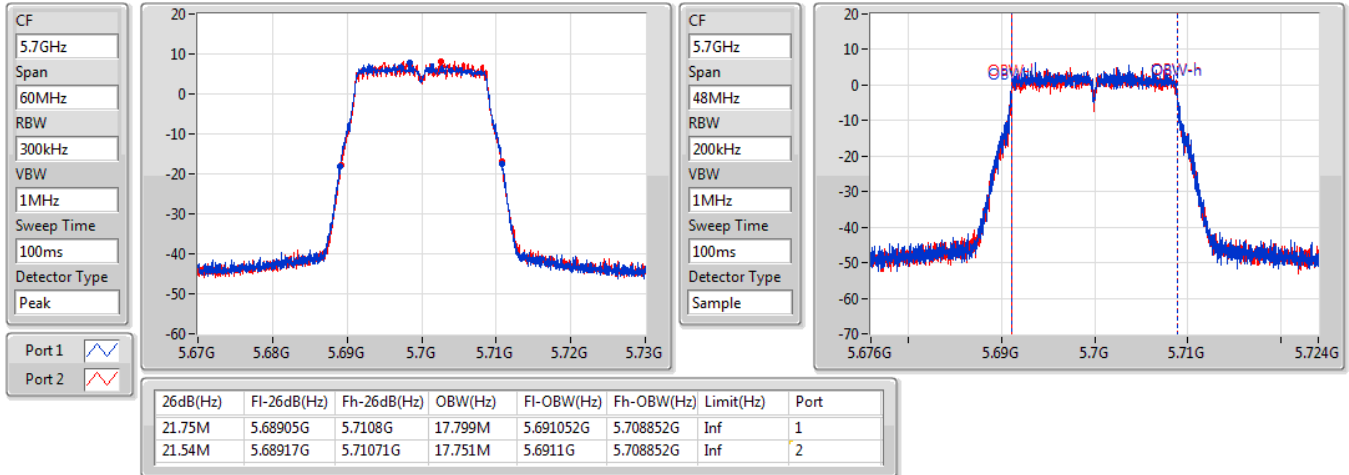

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5580MHz

16/07/2020

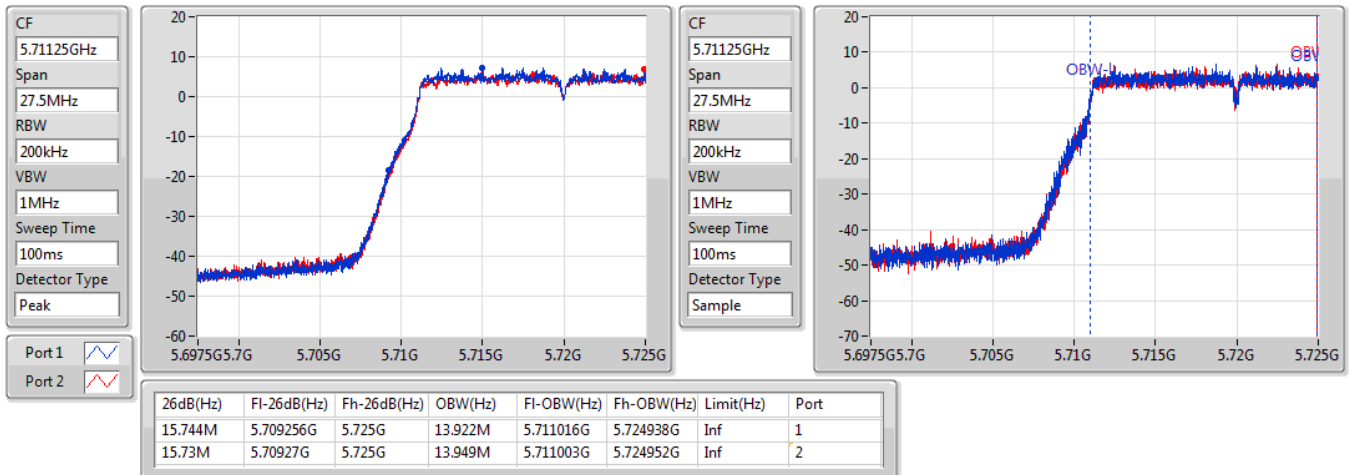


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5700MHz

16/07/2020

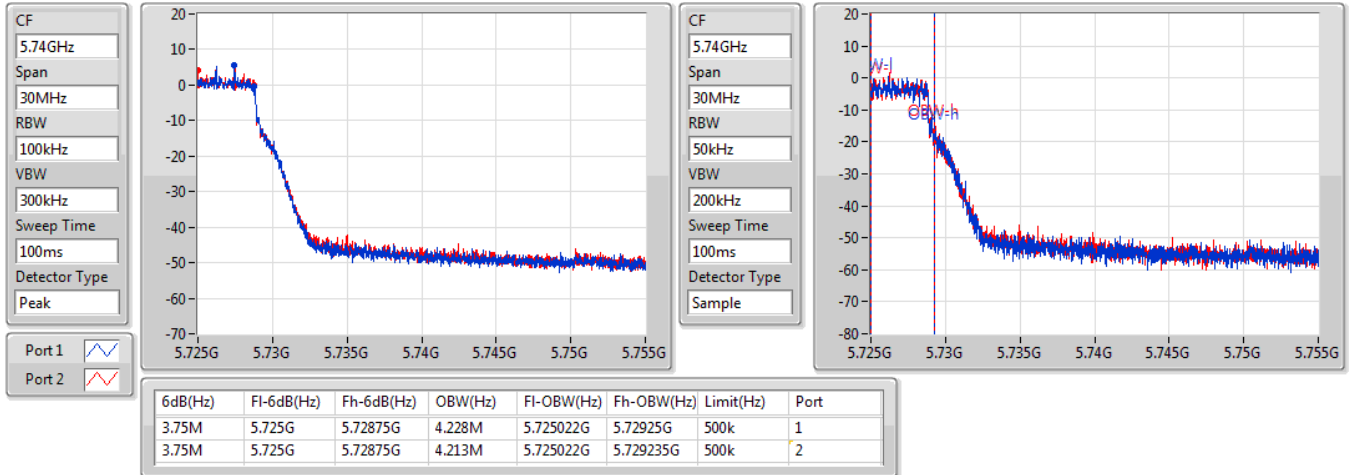

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

16/07/2020

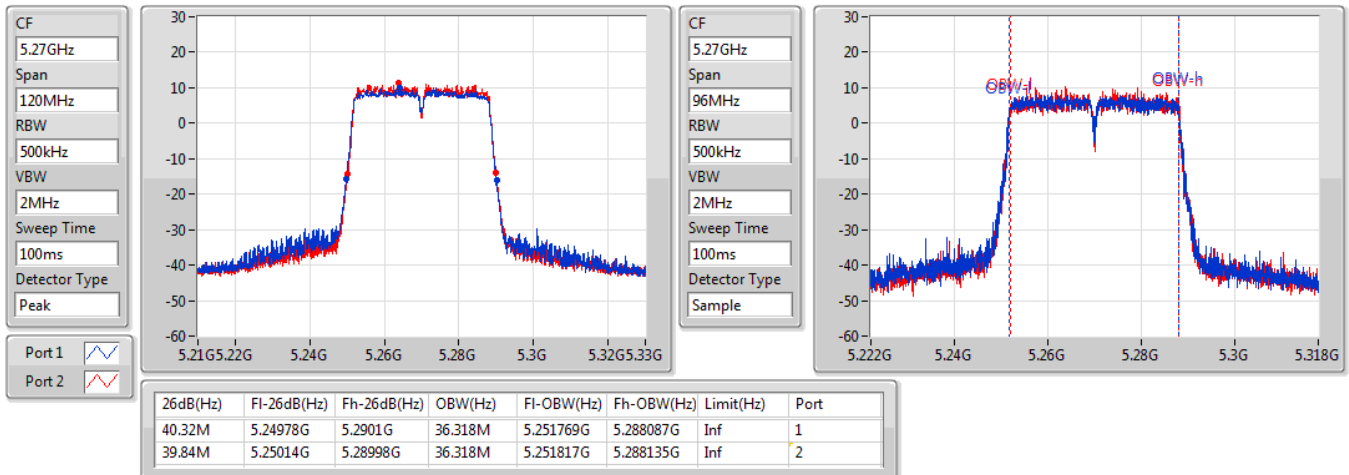


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

16/07/2020

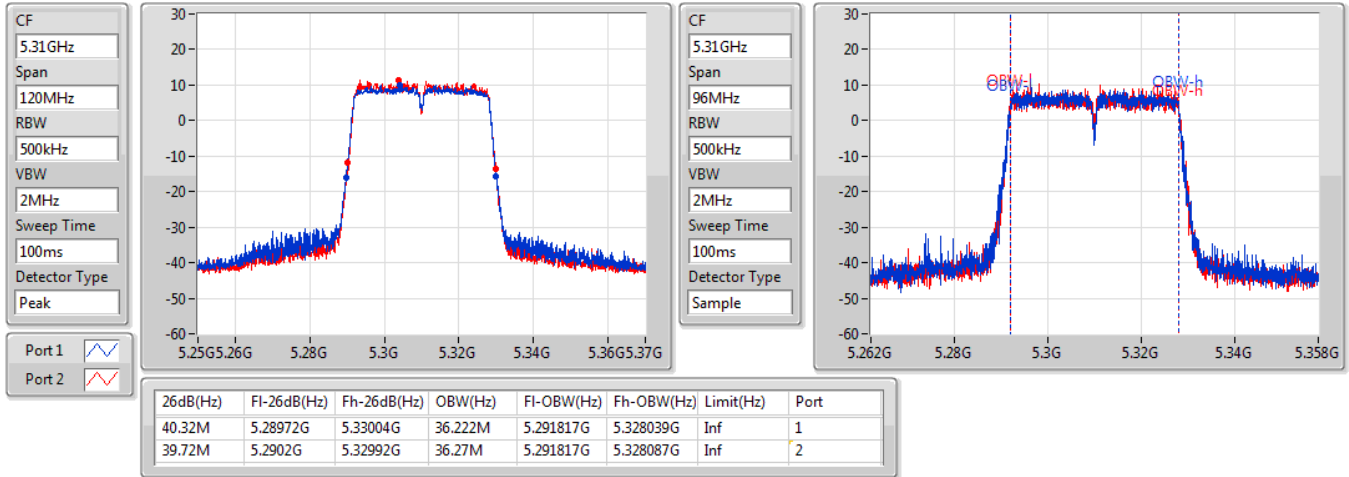

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5270MHz

16/07/2020

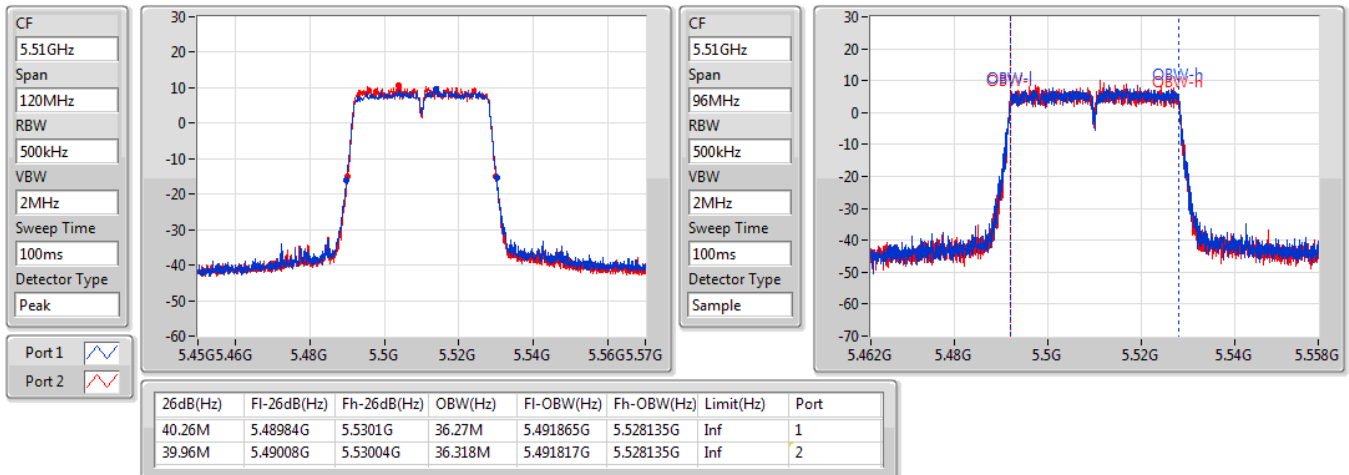


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5310MHz

16/07/2020

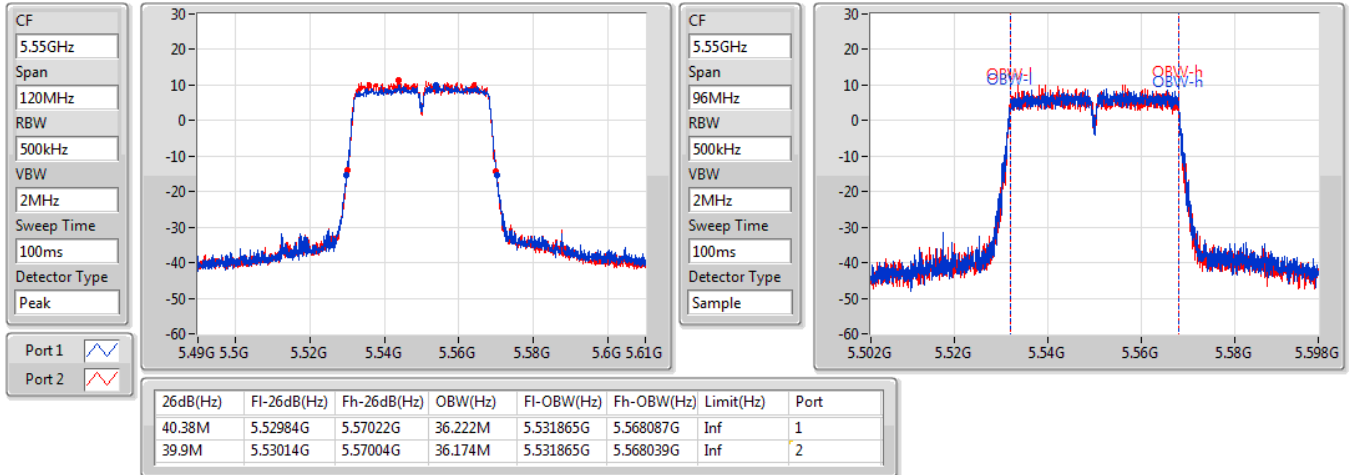

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5510MHz

16/07/2020

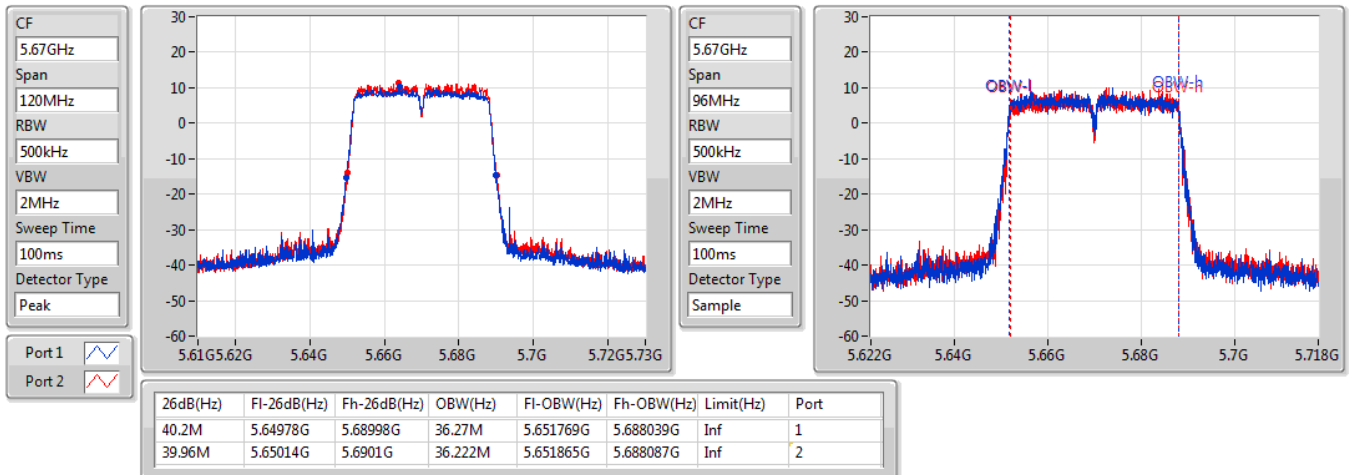


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5550MHz

16/07/2020

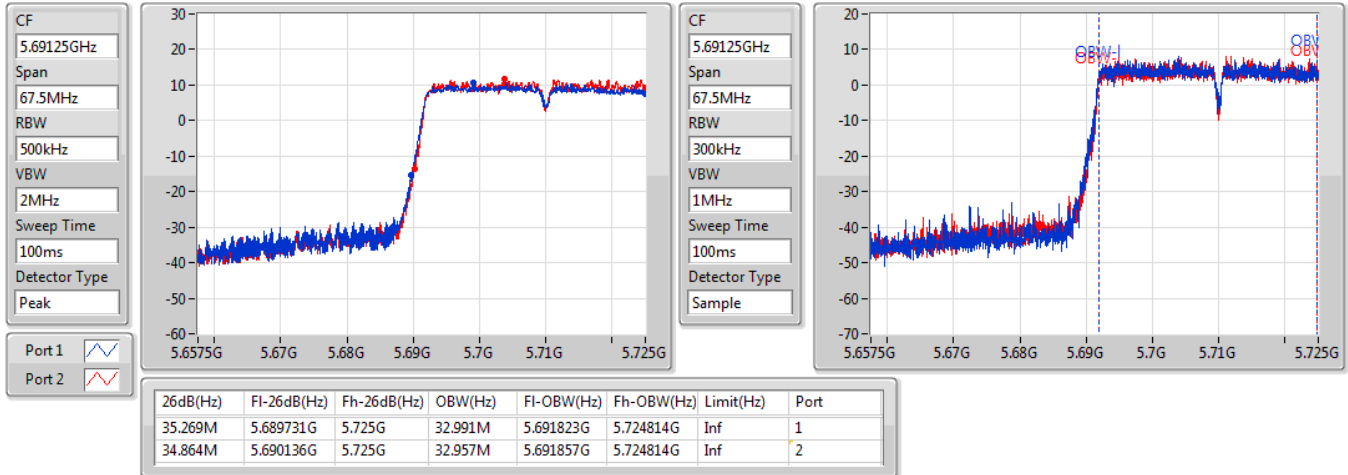

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5670MHz

16/07/2020

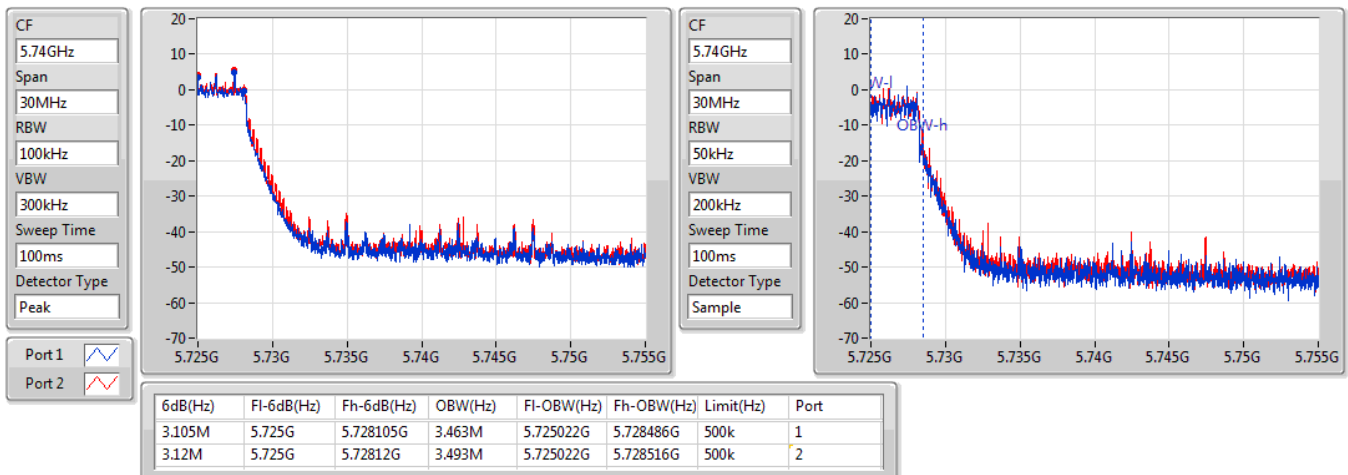


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

16/07/2020

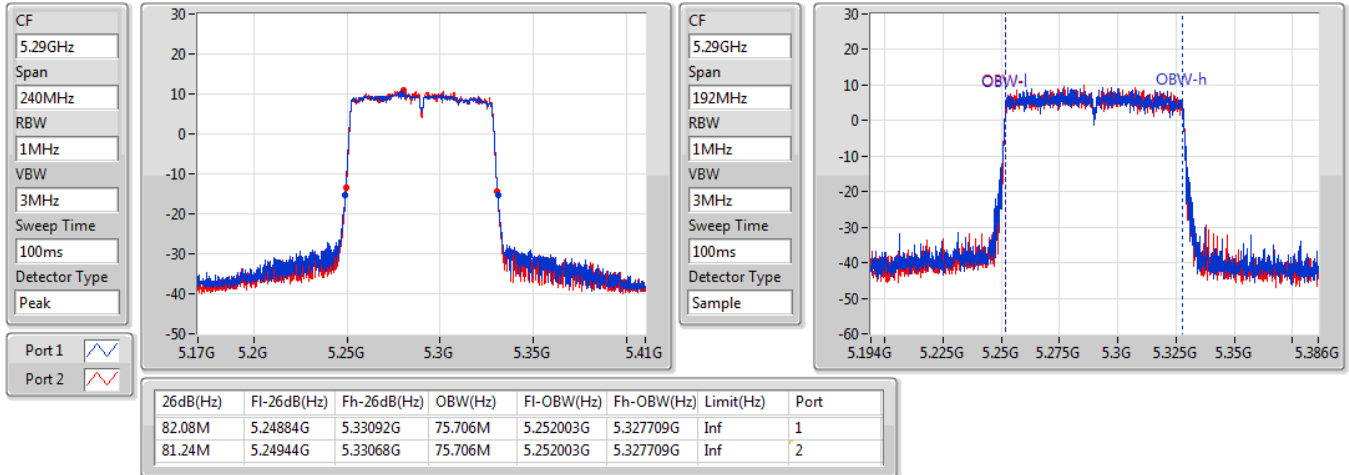

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

16/07/2020

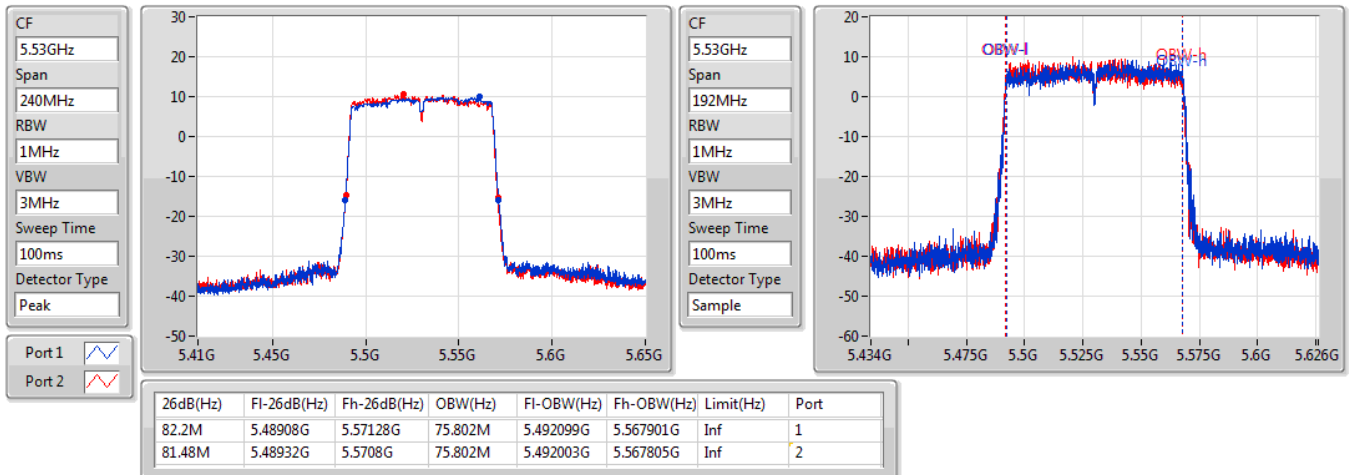


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5290MHz

16/07/2020

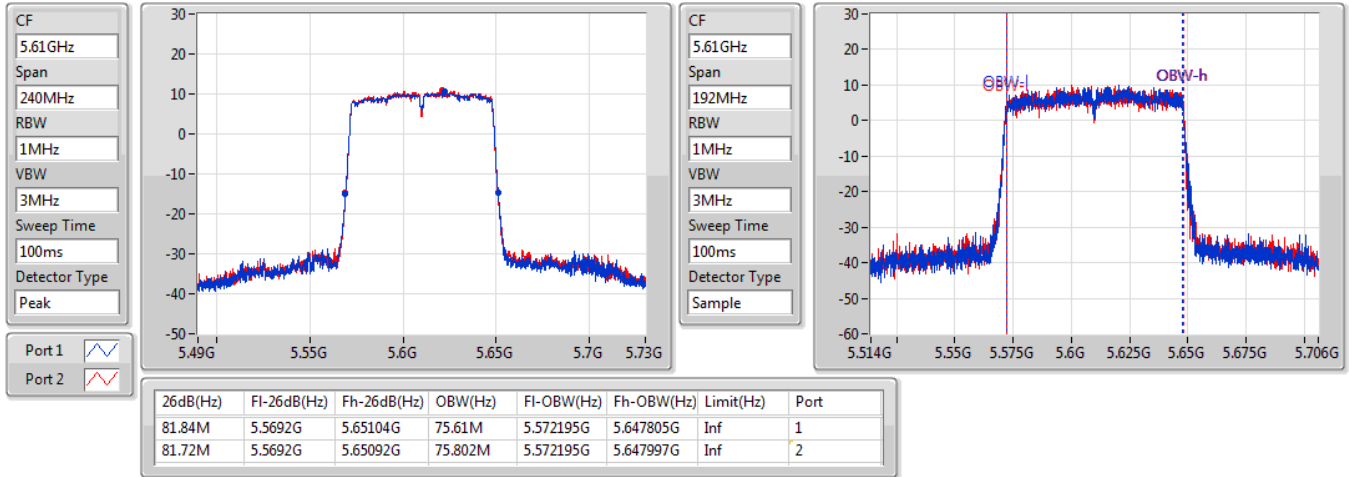

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5530MHz

16/07/2020

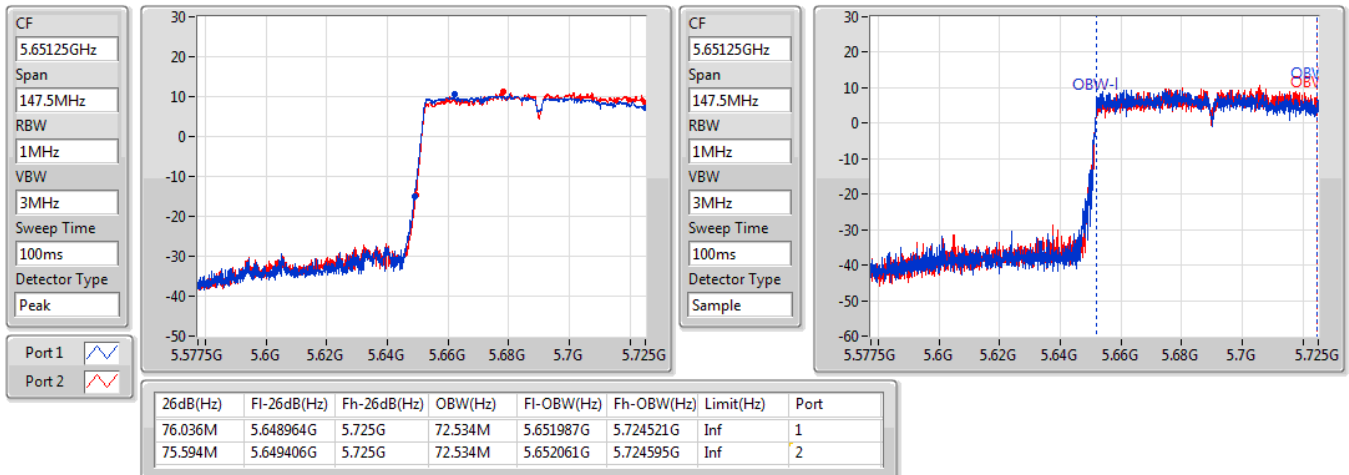


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5610MHz

16/07/2020

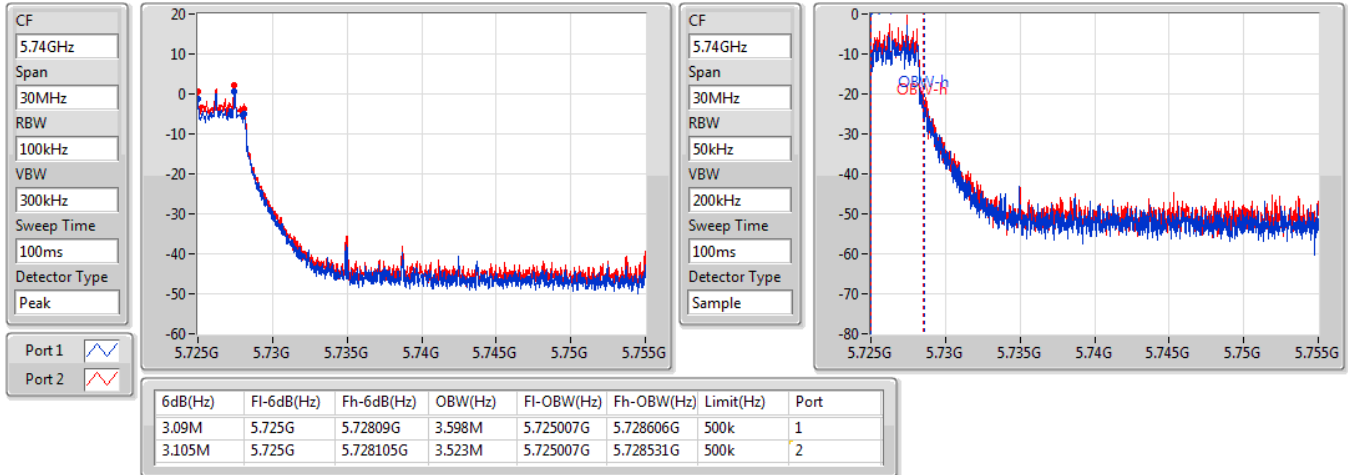

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

16/07/2020

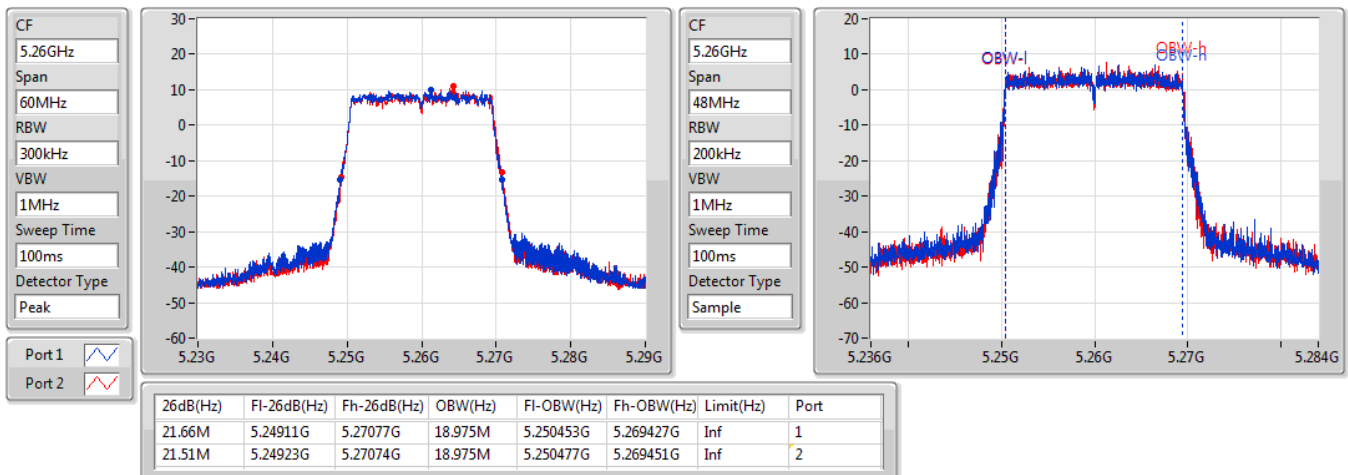


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

16/07/2020

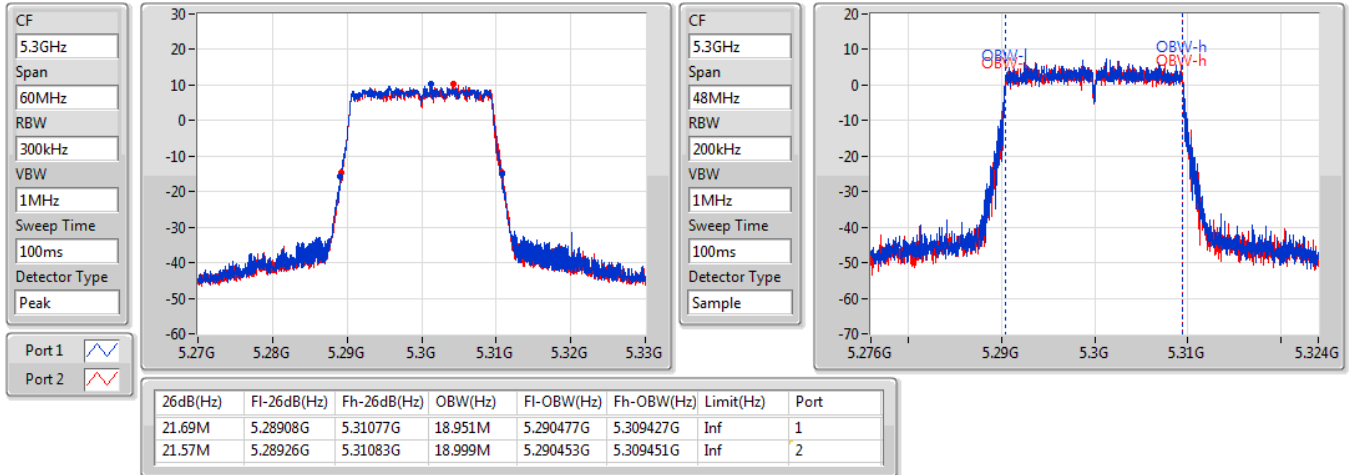

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5260MHz

15/07/2020

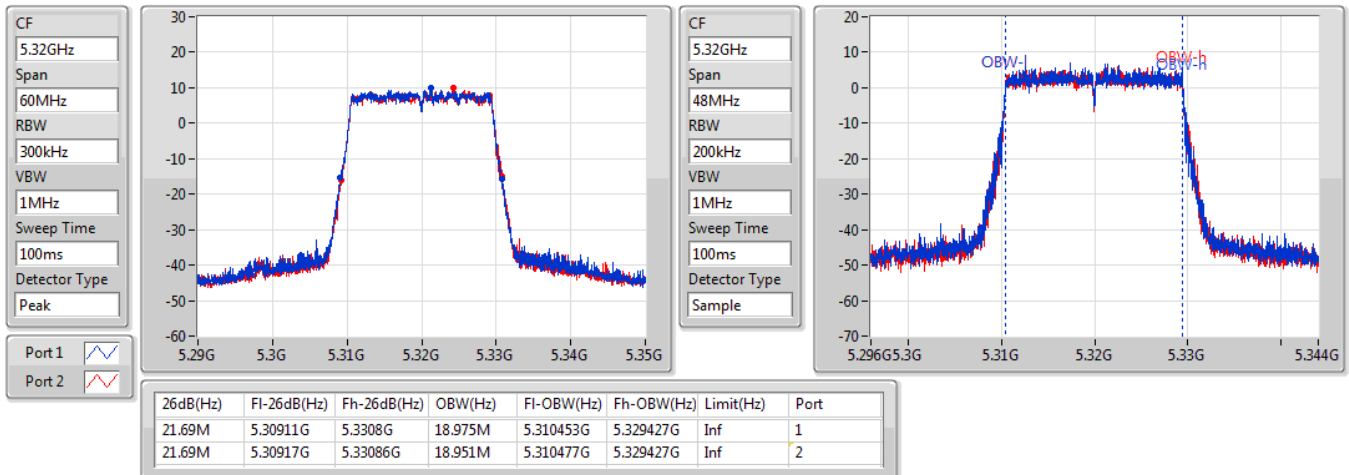


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5300MHz

15/07/2020

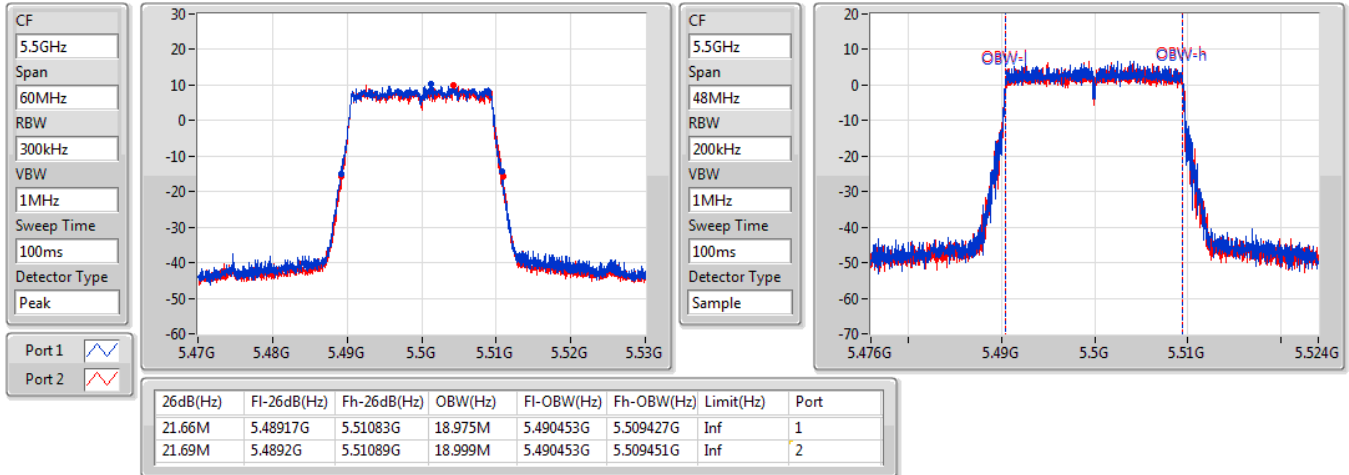

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5320MHz

15/07/2020

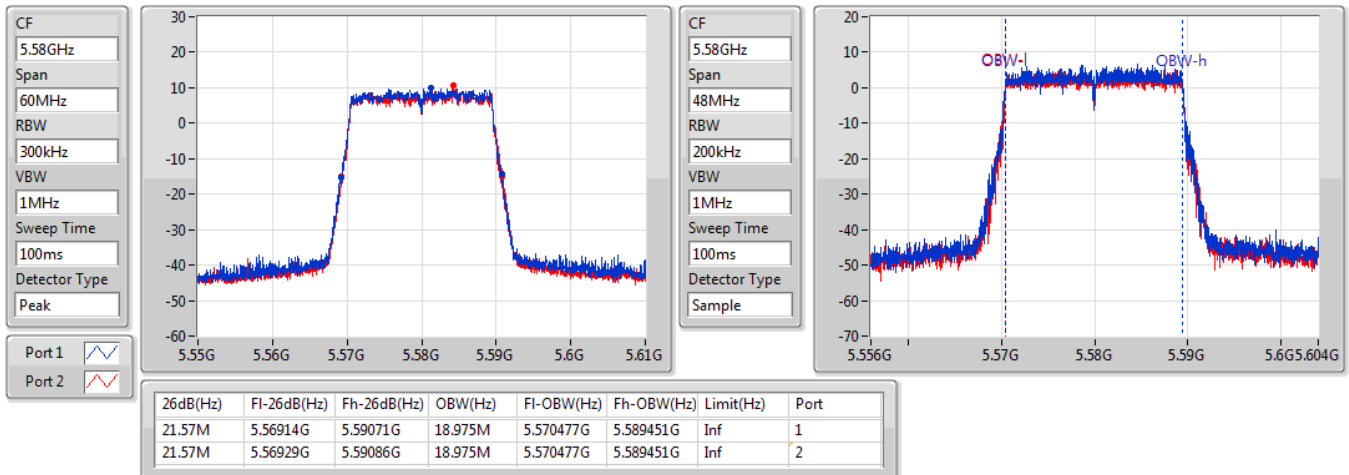


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5500MHz

16/07/2020

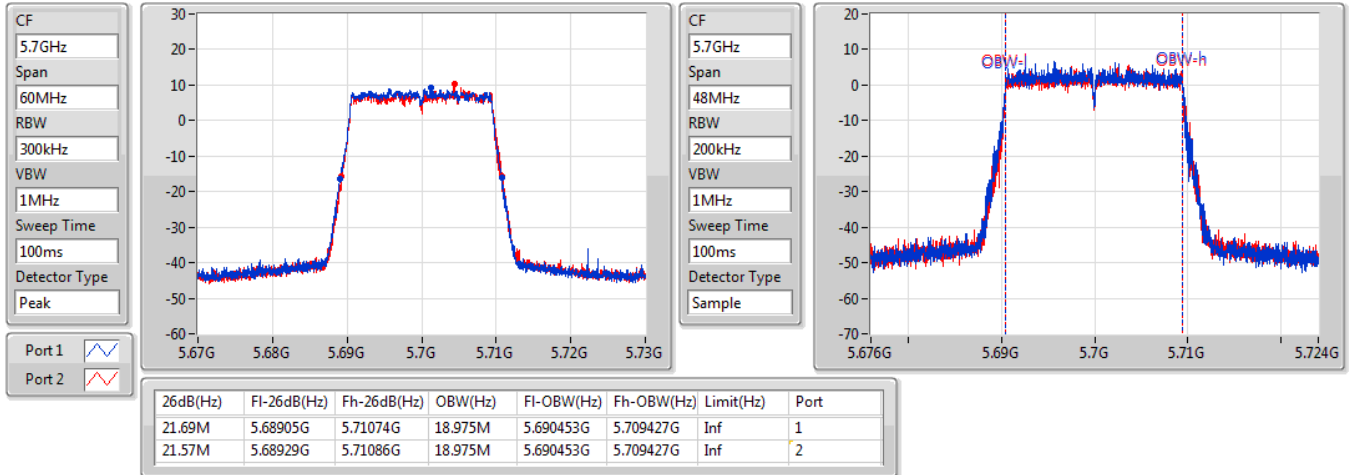

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5580MHz

16/07/2020

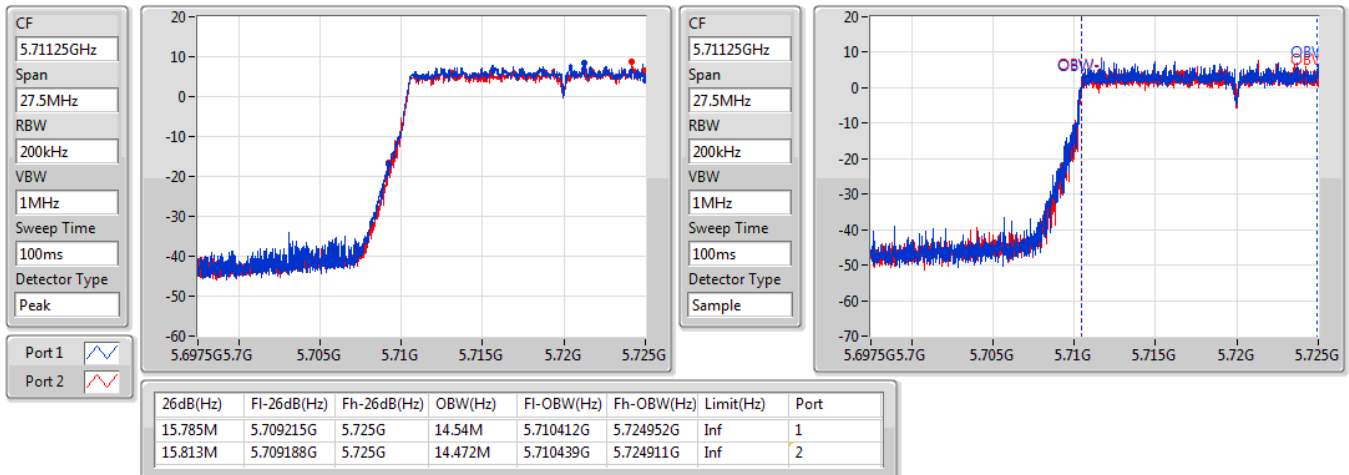


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5700MHz

16/07/2020

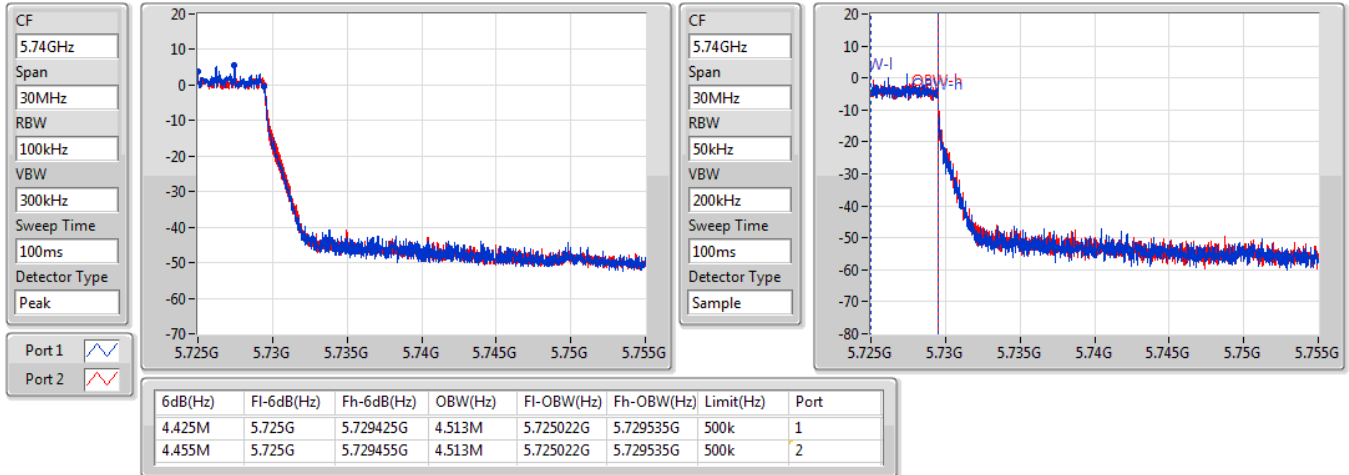

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

16/07/2020

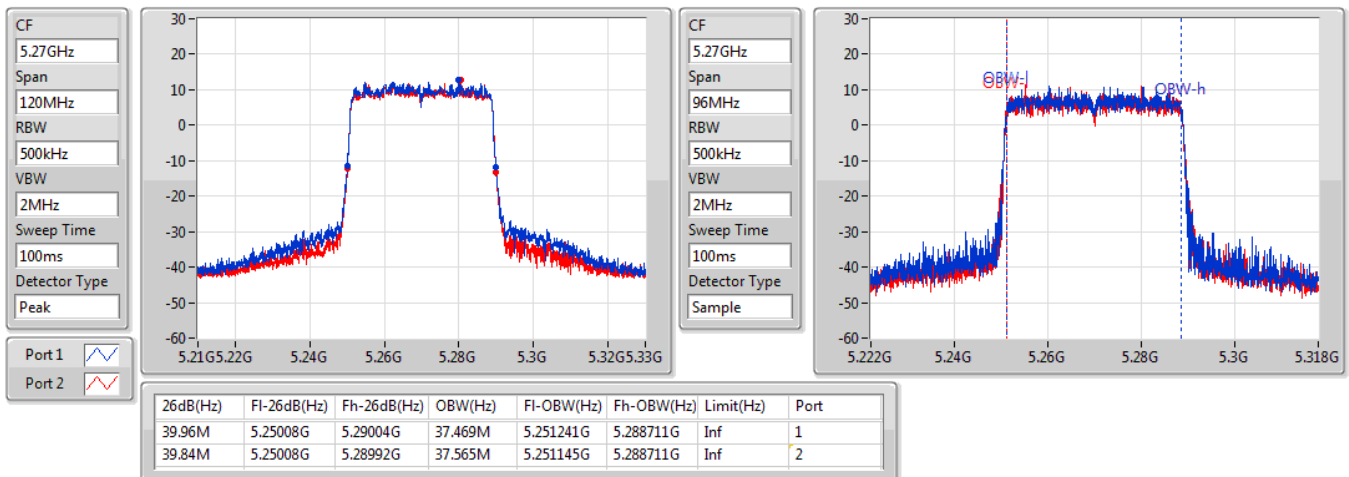


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

16/07/2020


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5270MHz

16/07/2020

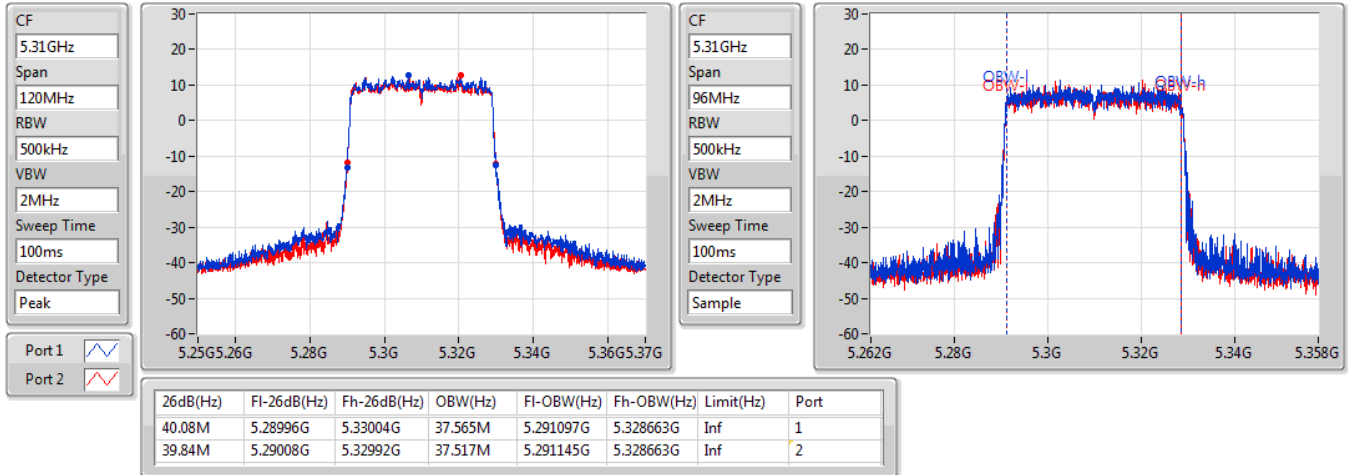


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

16/07/2020

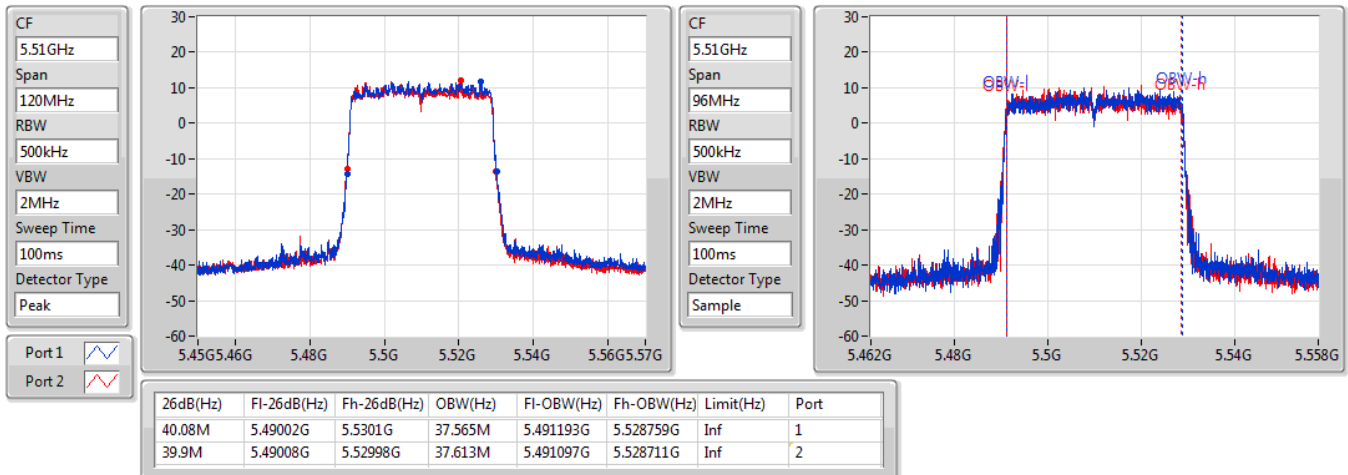


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5510MHz

16/07/2020

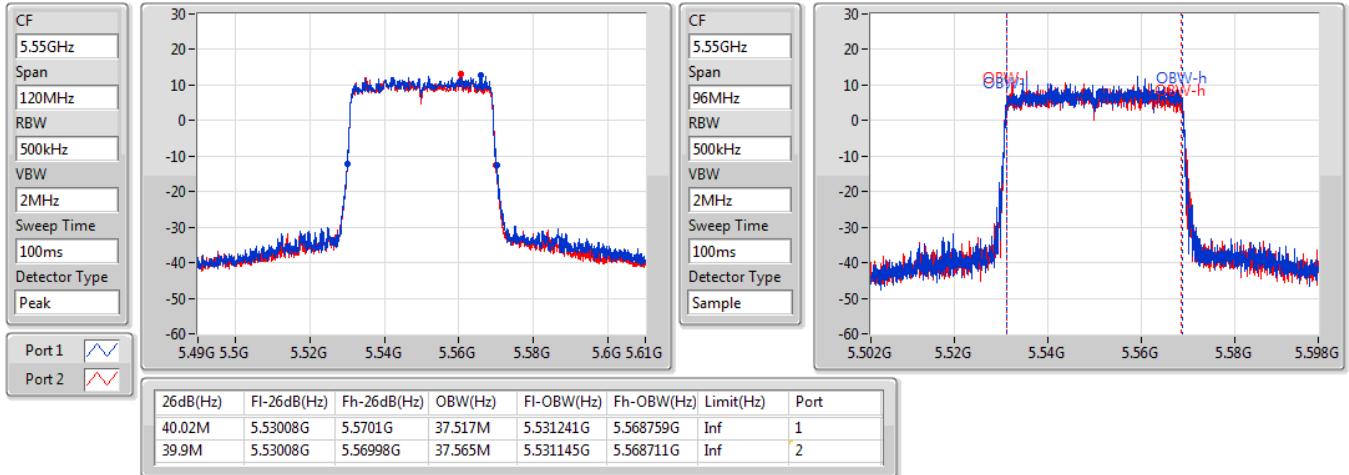


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5550MHz

16/07/2020

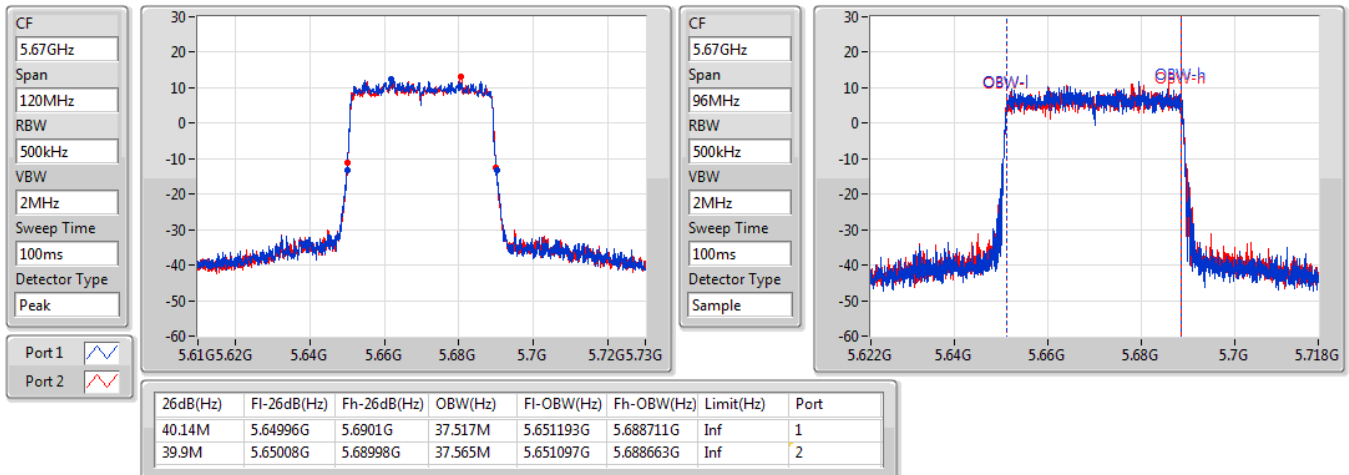


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

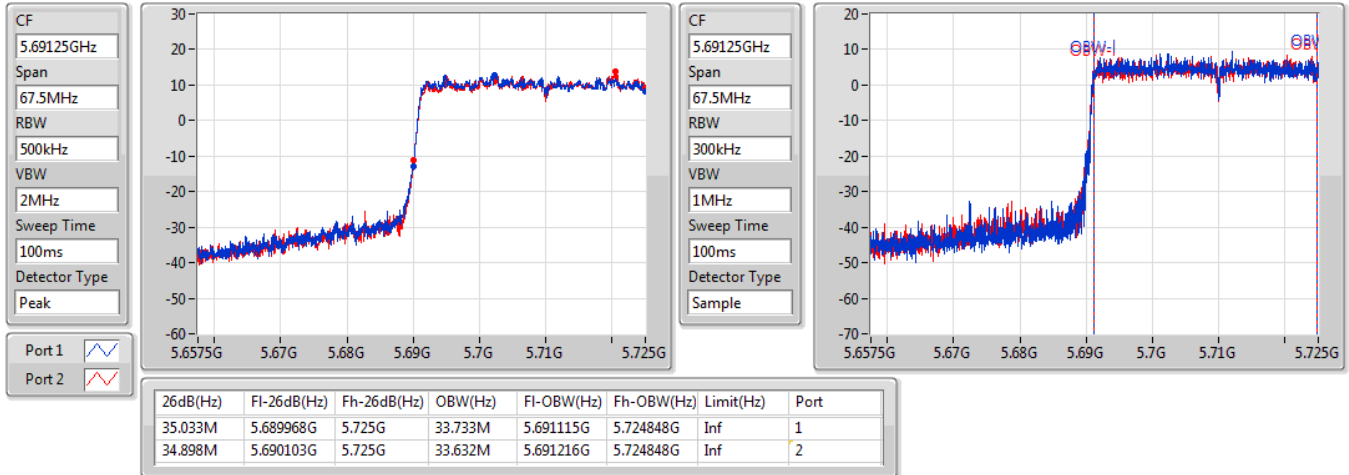
5670MHz

16/07/2020

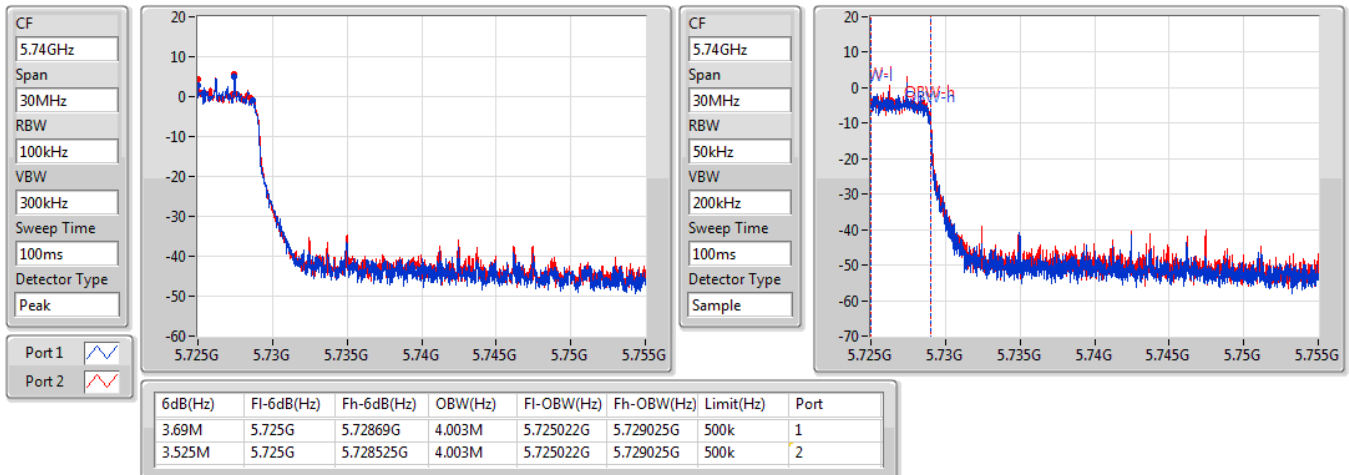


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

16/07/2020

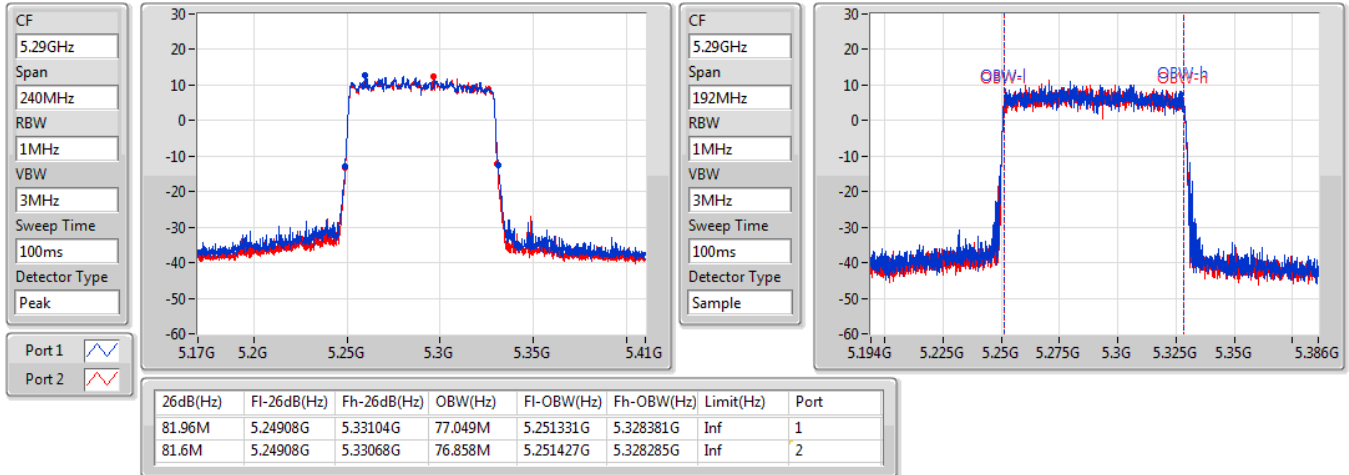

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

16/07/2020

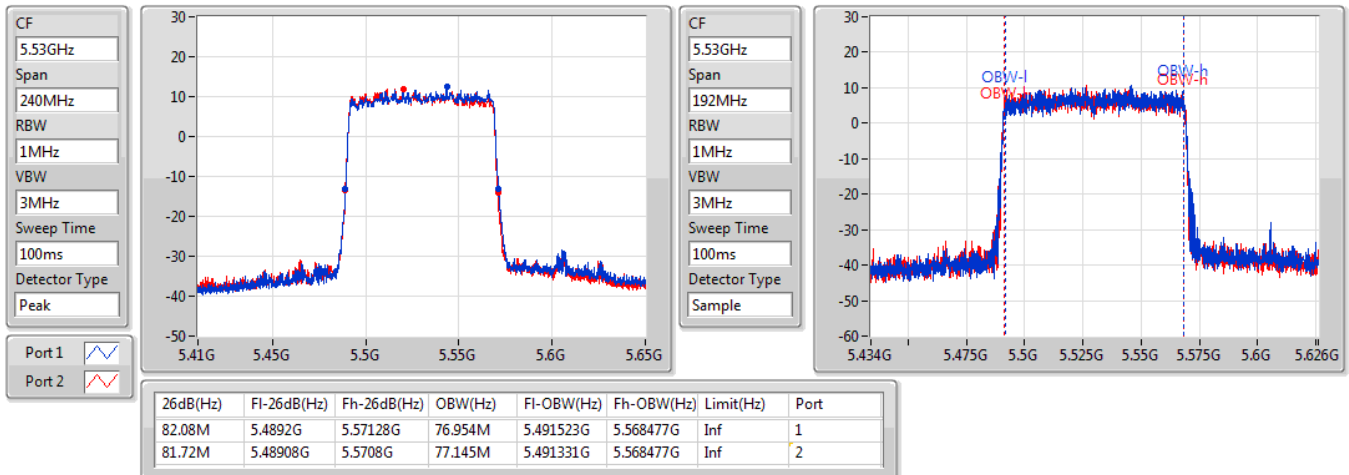


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5290MHz

16/07/2020

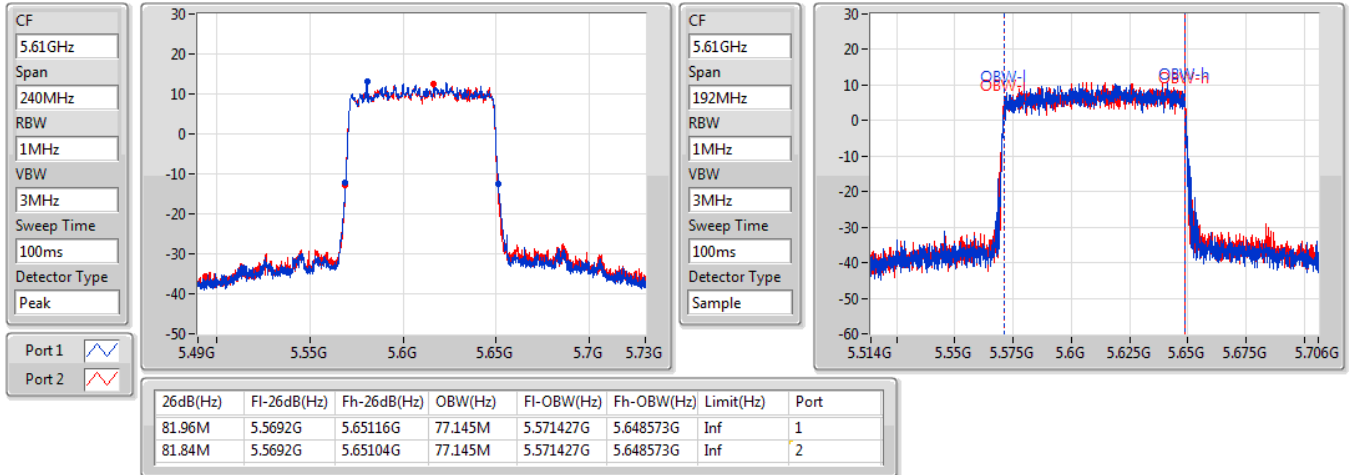

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5530MHz

16/07/2020

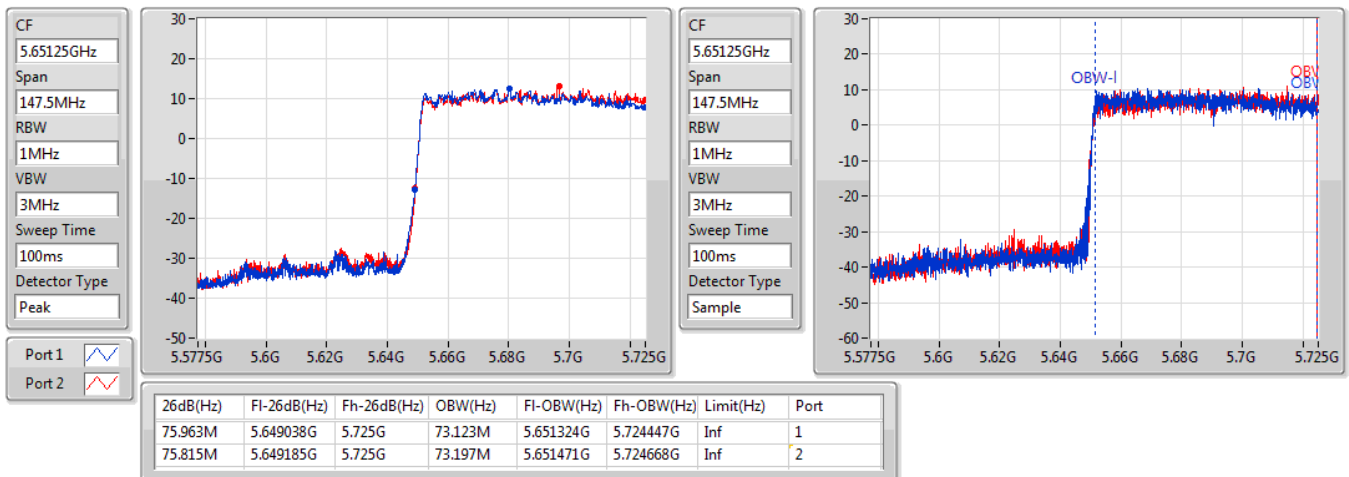


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5610MHz

16/07/2020


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

16/07/2020

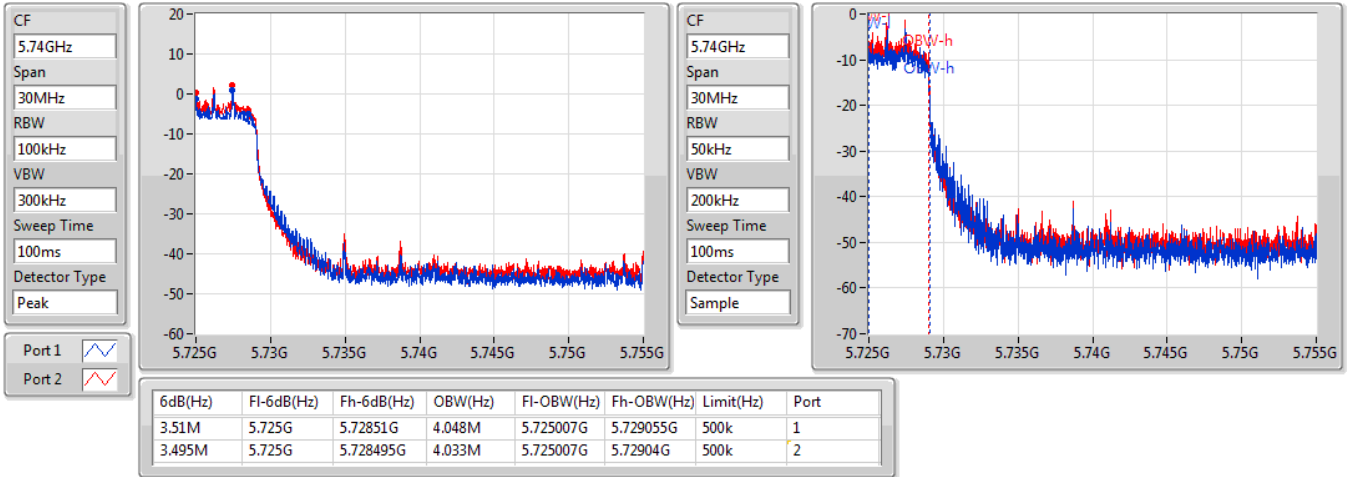


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

16/07/2020



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	21.75M	16.6M	16M6D1D	21.42M	16.576M
802.11n HT20_Nss1,(MCS0)_2TX	21.81M	17.847M	17M8D1D	21.48M	17.751M
802.11n HT40_Nss1,(MCS0)_2TX	40.32M	36.27M	36M3D1D	39.48M	36.174M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.84M	17.799M	17M8D1D	21.57M	17.751M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.26M	36.27M	36M3D1D	39.9M	36.222M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.96M	75.706M	75M7D1D	81.36M	75.61M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.72M	18.999M	19M0D1D	21.54M	18.951M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.08M	37.613M	37M6D1D	39.78M	37.517M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.2M	76.954M	77M0D1D	81.6M	76.858M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.54M	16.624M	16M6D1D	15.51M	13.276M
802.11n HT20_Nss1,(MCS0)_2TX	21.9M	17.823M	17M8D1D	15.813M	13.908M
802.11n HT40_Nss1,(MCS0)_2TX	40.38M	36.27M	36M3D1D	34.796M	33.025M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.81M	17.799M	17M8D1D	15.716M	13.908M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.38M	36.318M	36M3D1D	34.898M	32.991M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.08M	75.706M	75M7D1D	75.668M	72.386M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.69M	18.999M	19M0D1D	15.634M	14.499M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.2M	37.613M	37M6D1D	34.931M	33.632M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.2M	77.145M	77M1D1D	75.815M	73.123M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.12M	3.868M	3M87D1D	3.105M	3.763M
802.11n HT20_Nss1,(MCS0)_2TX	3.735M	4.228M	4M23D1D	3.735M	4.198M
802.11n HT40_Nss1,(MCS0)_2TX	3.12M	3.463M	3M46D1D	3.105M	3.418M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.735M	4.258M	4M26D1D	3.735M	4.243M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.12M	3.538M	3M54D1D	3.105M	3.478M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.105M	3.598M	3M60D1D	3.105M	3.553M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.44M	4.528M	4M53D1D	4.425M	4.528M
802.11ax HEW40_Nss1,(MCS0)_2TX	3.765M	4.033M	4M03D1D	3.66M	4.018M
802.11ax HEW80_Nss1,(MCS0)_2TX	3.78M	4.033M	4M03D1D	3.12M	4.018M

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	21.75M	16.576M	21.48M	16.6M
5300MHz	Pass	Inf	21.75M	16.576M	21.42M	16.576M
5320MHz	Pass	Inf	21.54M	16.6M	21.45M	16.6M
5500MHz	Pass	Inf	21.36M	16.576M	21.54M	16.624M
5580MHz	Pass	Inf	21.36M	16.6M	21.48M	16.6M
5700MHz	Pass	Inf	21.33M	16.576M	21.54M	16.624M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.51M	13.276M	15.565M	13.358M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.868M	3.12M	3.763M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.81M	17.847M	21.51M	17.751M
5300MHz	Pass	Inf	21.72M	17.799M	21.48M	17.751M
5320MHz	Pass	Inf	21.81M	17.823M	21.51M	17.775M
5500MHz	Pass	Inf	21.9M	17.823M	21.57M	17.727M
5580MHz	Pass	Inf	21.75M	17.799M	21.51M	17.727M
5700MHz	Pass	Inf	21.78M	17.775M	21.6M	17.751M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.854M	13.963M	15.813M	13.908M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.735M	4.228M	3.735M	4.198M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.32M	36.174M	39.48M	36.27M
5310MHz	Pass	Inf	40.2M	36.27M	39.48M	36.222M
5510MHz	Pass	Inf	40.32M	36.27M	39.6M	36.222M
5550MHz	Pass	Inf	40.2M	36.222M	39.48M	36.222M
5670MHz	Pass	Inf	40.38M	36.222M	39.54M	36.222M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.168M	33.025M	34.796M	33.058M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.463M	3.12M	3.418M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.81M	17.751M	21.72M	17.775M
5300MHz	Pass	Inf	21.81M	17.775M	21.63M	17.751M
5320MHz	Pass	Inf	21.84M	17.799M	21.57M	17.775M
5500MHz	Pass	Inf	21.78M	17.775M	21.6M	17.775M
5580MHz	Pass	Inf	21.81M	17.799M	21.54M	17.775M
5700MHz	Pass	Inf	21.78M	17.775M	21.66M	17.775M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.785M	13.908M	15.716M	13.908M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.735M	4.243M	3.735M	4.258M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.14M	36.222M	39.9M	36.27M
5310MHz	Pass	Inf	40.26M	36.27M	39.9M	36.222M
5510MHz	Pass	Inf	40.2M	36.27M	39.84M	36.222M
5550MHz	Pass	Inf	40.32M	36.222M	39.84M	36.318M
5670MHz	Pass	Inf	40.38M	36.27M	40.02M	36.318M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.303M	33.025M	34.898M	32.991M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.478M	3.12M	3.538M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-

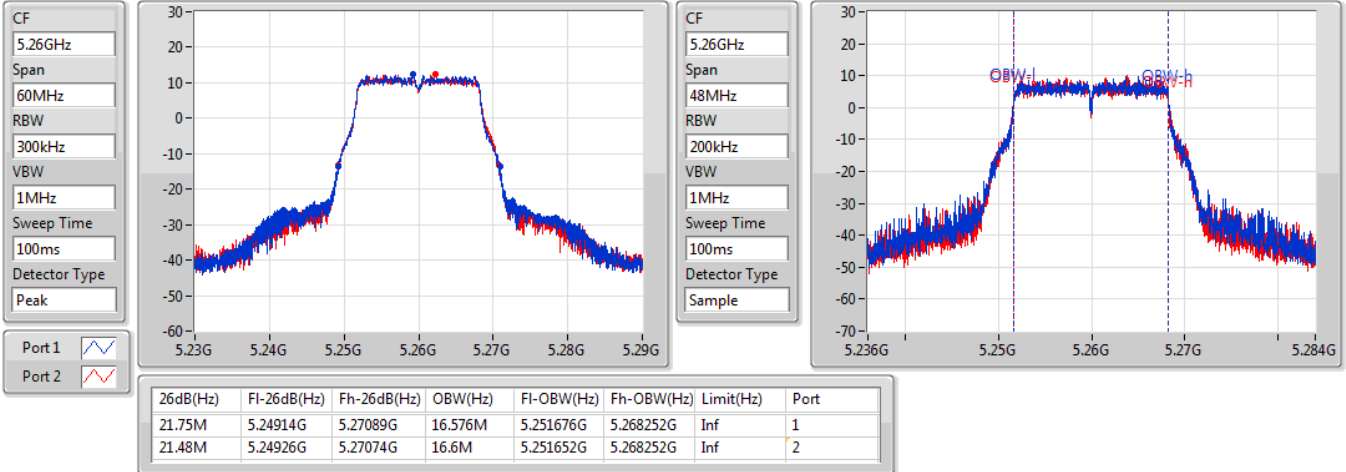
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5290MHz	Pass	Inf	81.96M	75.706M	81.36M	75.61M
5530MHz	Pass	Inf	81.84M	75.706M	81.48M	75.706M
5610MHz	Pass	Inf	82.08M	75.706M	81.48M	75.706M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.11M	72.607M	75.668M	72.386M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.598M	3.105M	3.553M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.63M	18.975M	21.54M	18.999M
5300MHz	Pass	Inf	21.63M	18.951M	21.72M	18.999M
5320MHz	Pass	Inf	21.72M	18.975M	21.69M	18.975M
5500MHz	Pass	Inf	21.69M	18.975M	21.66M	18.999M
5580MHz	Pass	Inf	21.6M	18.951M	21.69M	18.951M
5700MHz	Pass	Inf	21.69M	18.999M	21.6M	18.951M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.634M	14.499M	15.771M	14.499M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.425M	4.528M	4.44M	4.528M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.08M	37.565M	39.9M	37.517M
5310MHz	Pass	Inf	39.96M	37.565M	39.78M	37.613M
5510MHz	Pass	Inf	40.2M	37.565M	39.9M	37.517M
5550MHz	Pass	Inf	40.08M	37.565M	39.9M	37.613M
5670MHz	Pass	Inf	40.02M	37.469M	40.02M	37.613M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.965M	33.632M	34.931M	33.666M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.66M	4.018M	3.765M	4.033M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.2M	76.954M	81.6M	76.858M
5530MHz	Pass	Inf	82.08M	77.145M	81.6M	77.049M
5610MHz	Pass	Inf	82.2M	76.954M	81.84M	77.049M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.963M	73.123M	75.815M	73.123M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.033M	3.12M	4.018M

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

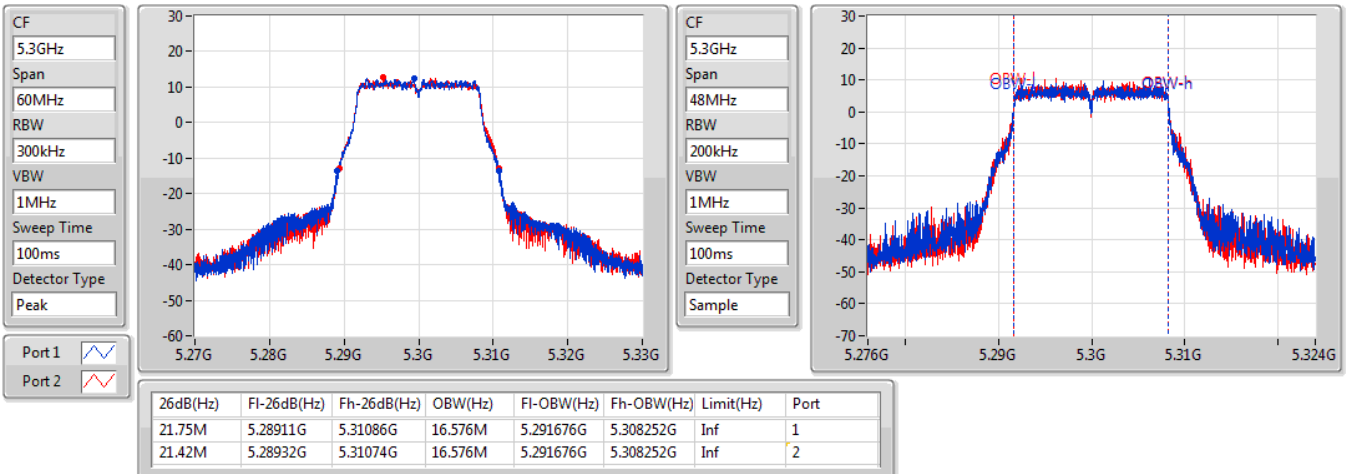
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

17/07/2020

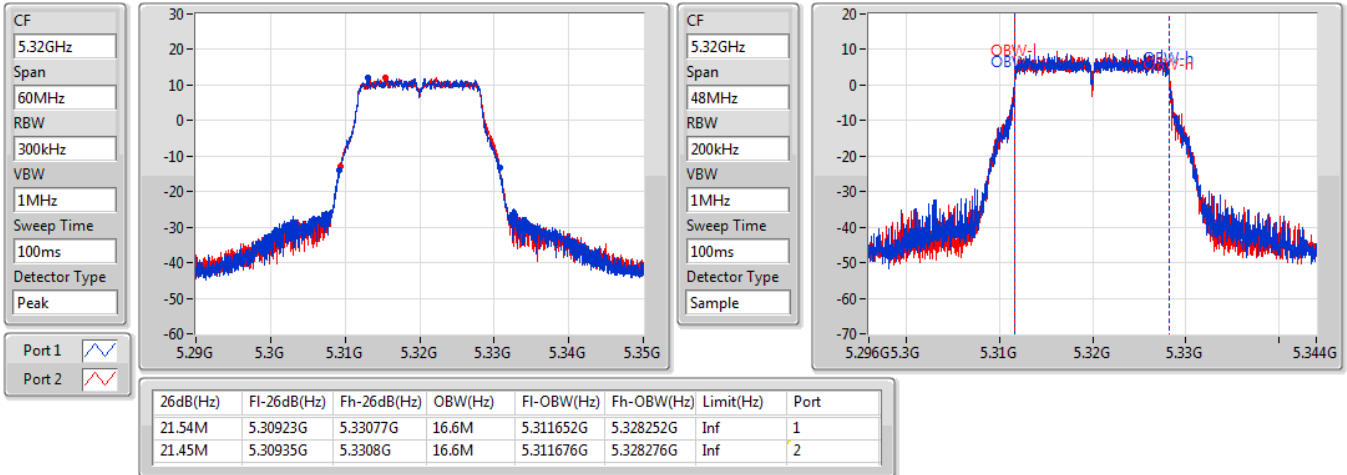

802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

17/07/2020

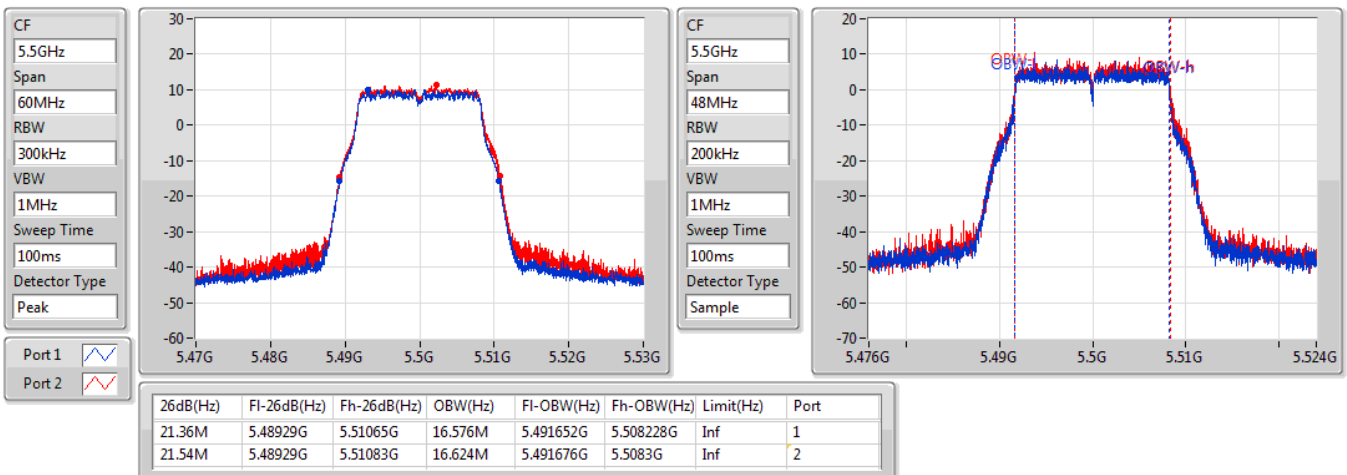


802.11a_Nss1,(6Mbps)_2TX
EBW
5320MHz

17/07/2020

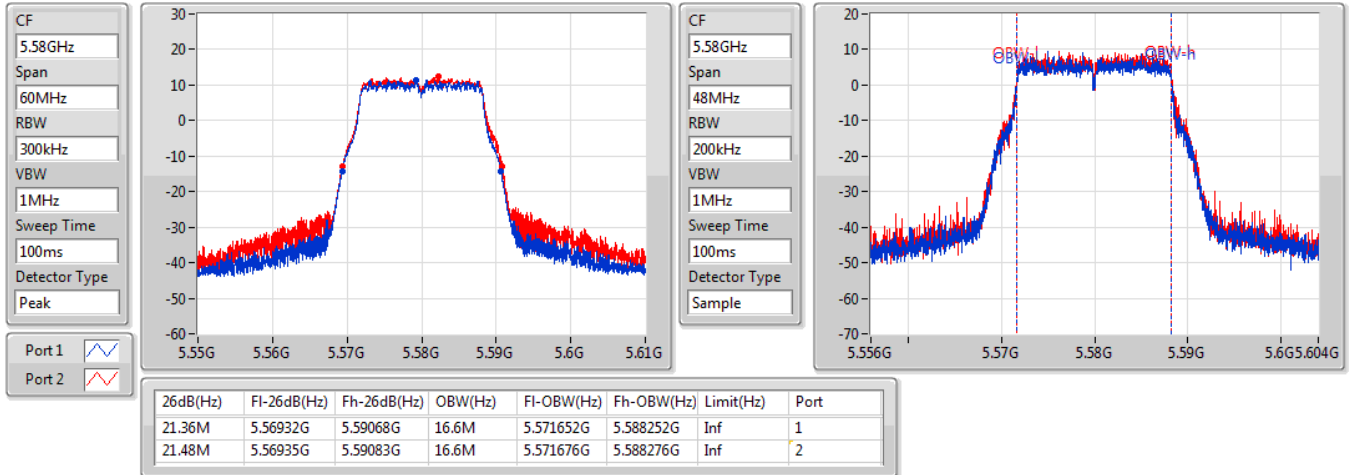

802.11a_Nss1,(6Mbps)_2TX
EBW
5500MHz

17/07/2020

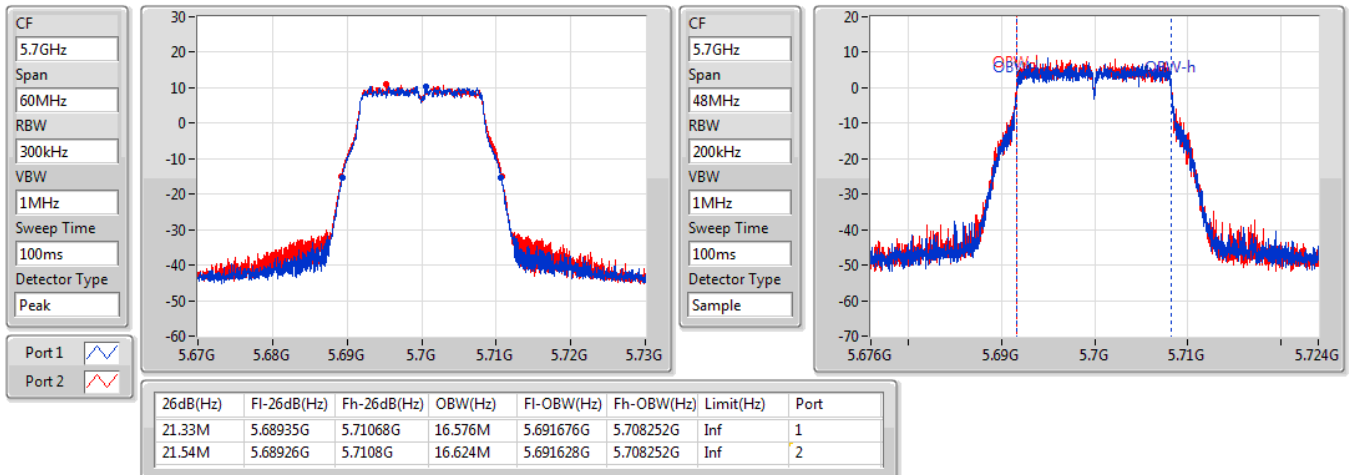


802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

17/07/2020

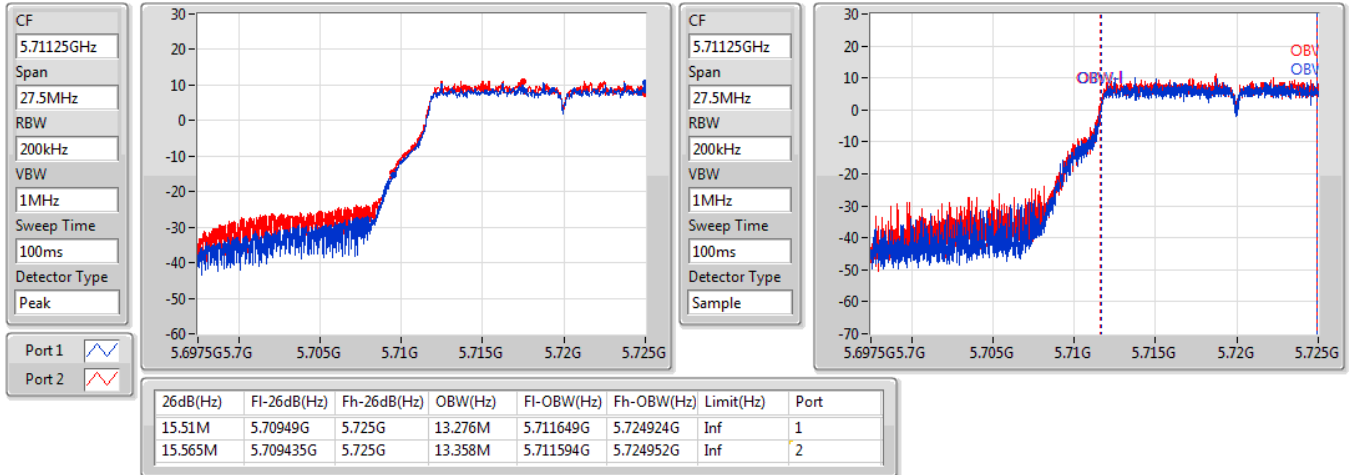

802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

17/07/2020

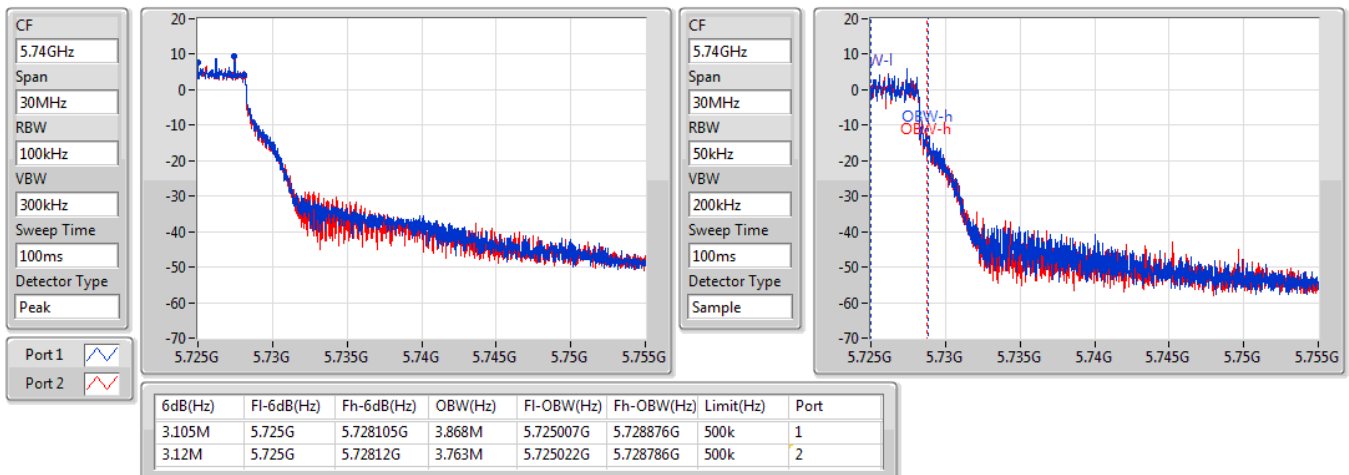


802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

17/07/2020

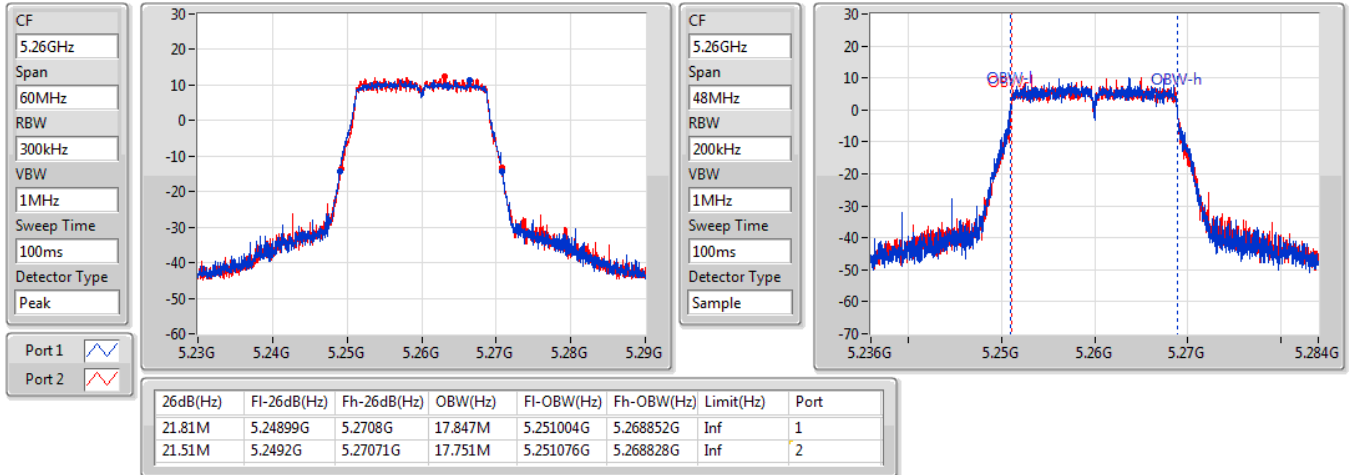

802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

18/07/2020

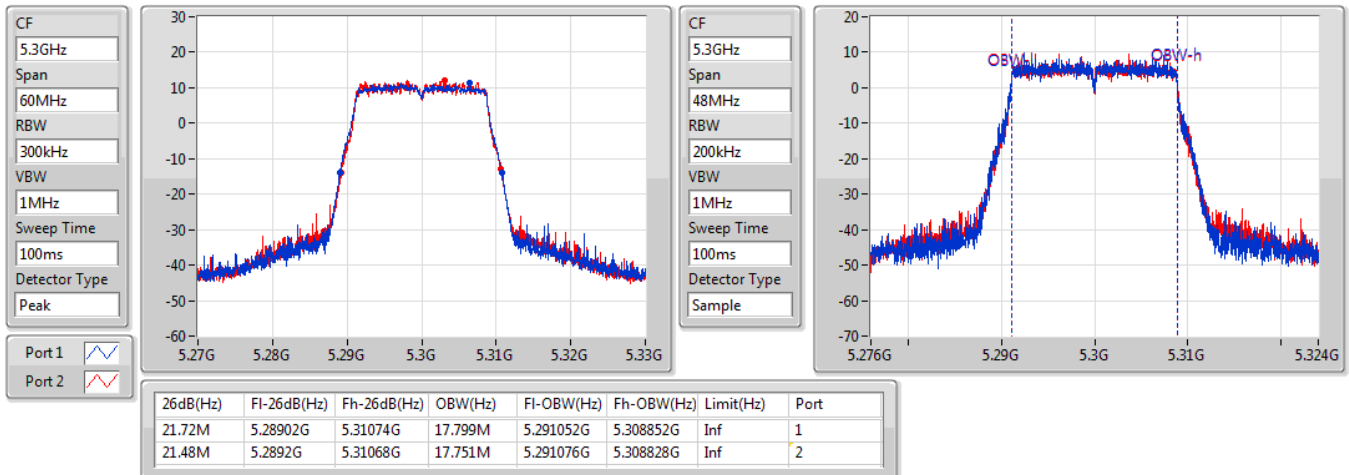


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5260MHz

22/07/2020

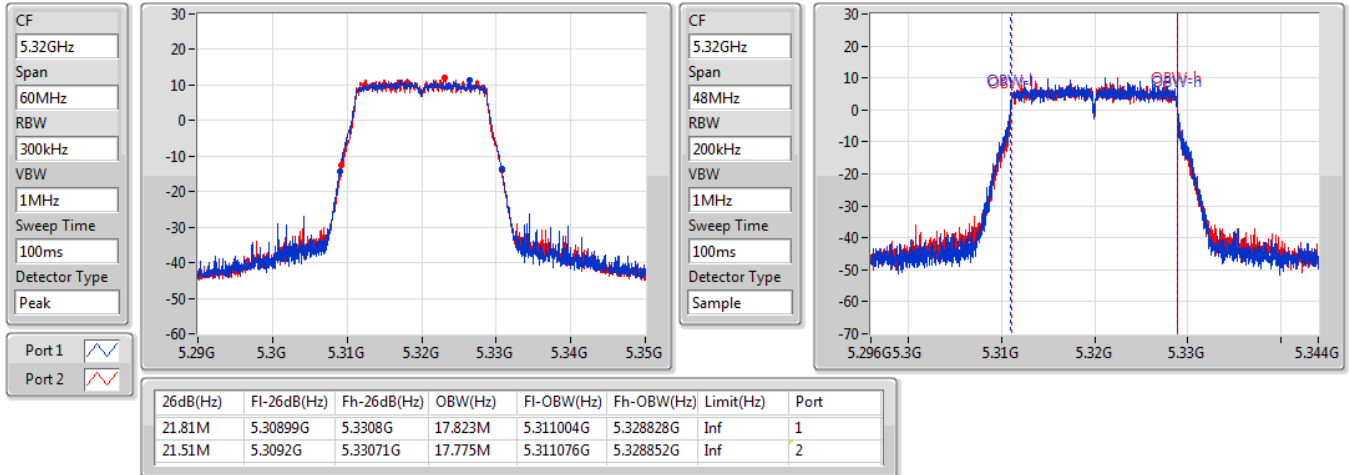

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5300MHz

22/07/2020

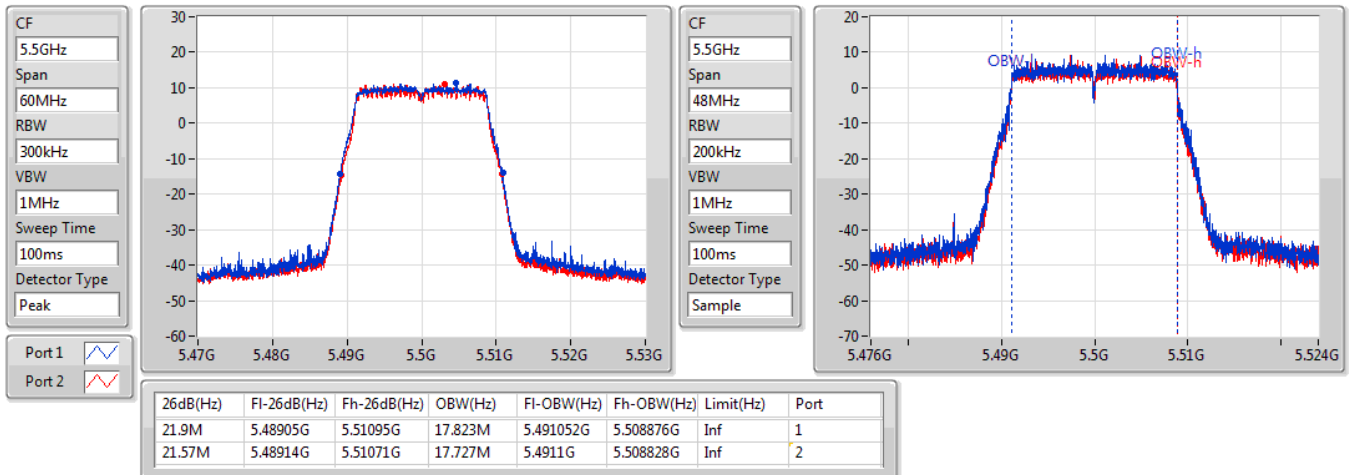


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5320MHz

22/07/2020

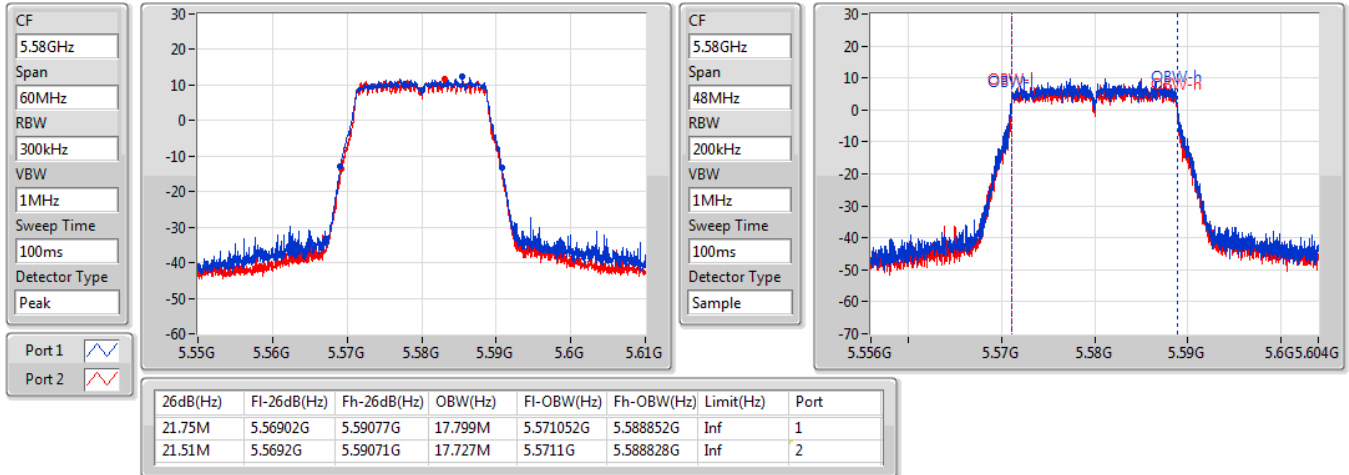

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5500MHz

22/07/2020

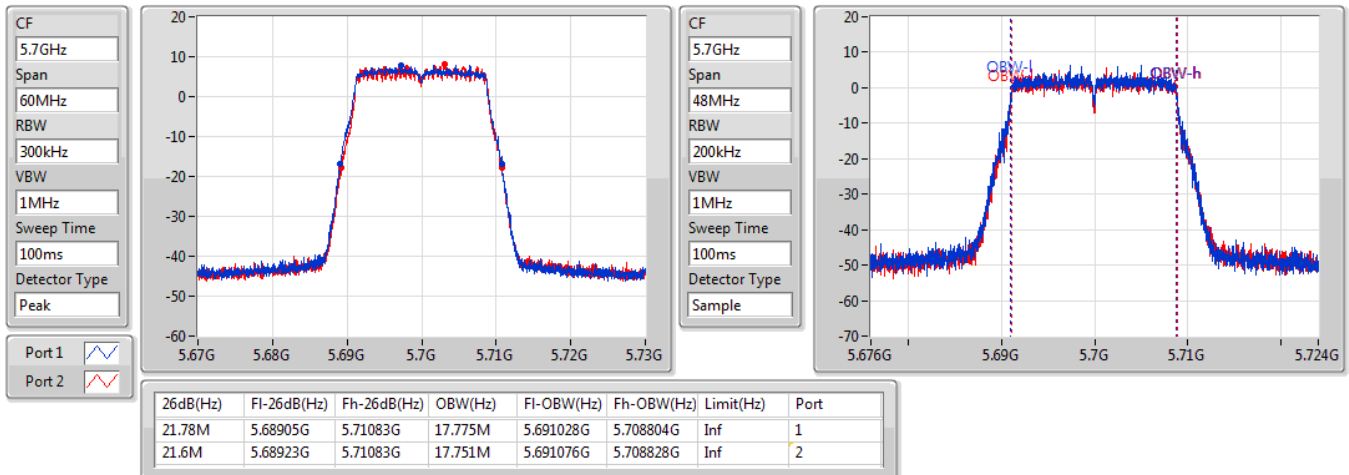


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5580MHz

22/07/2020

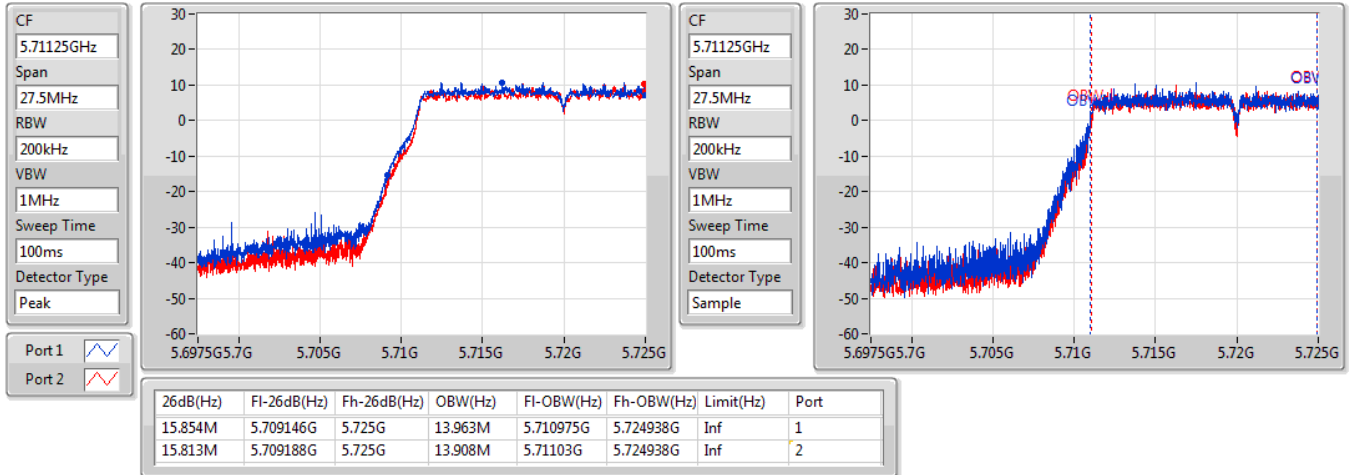

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5700MHz

22/07/2020

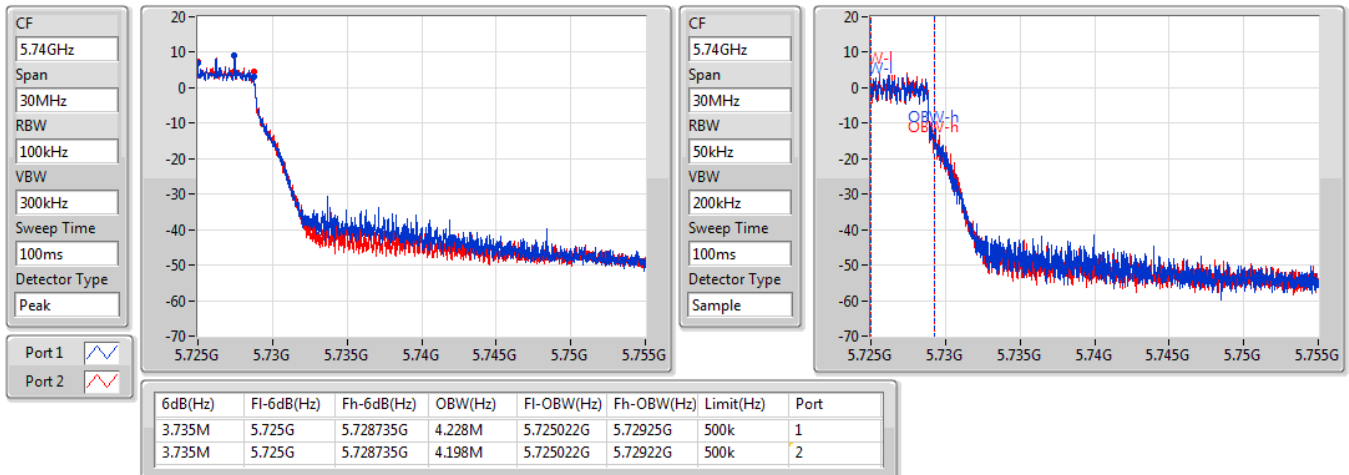


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

22/07/2020

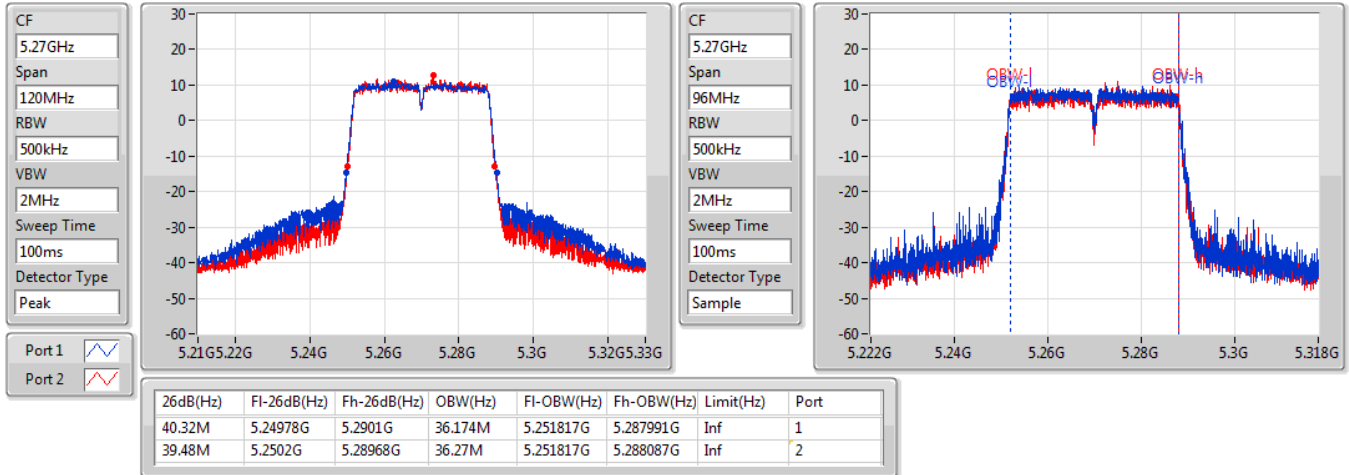

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

22/07/2020

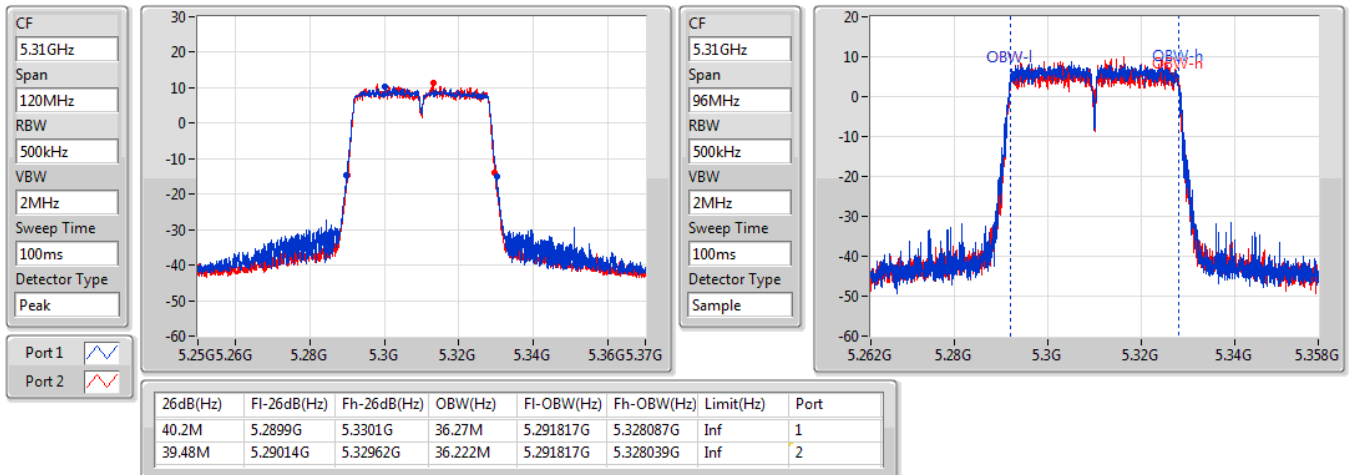


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5270MHz

22/07/2020

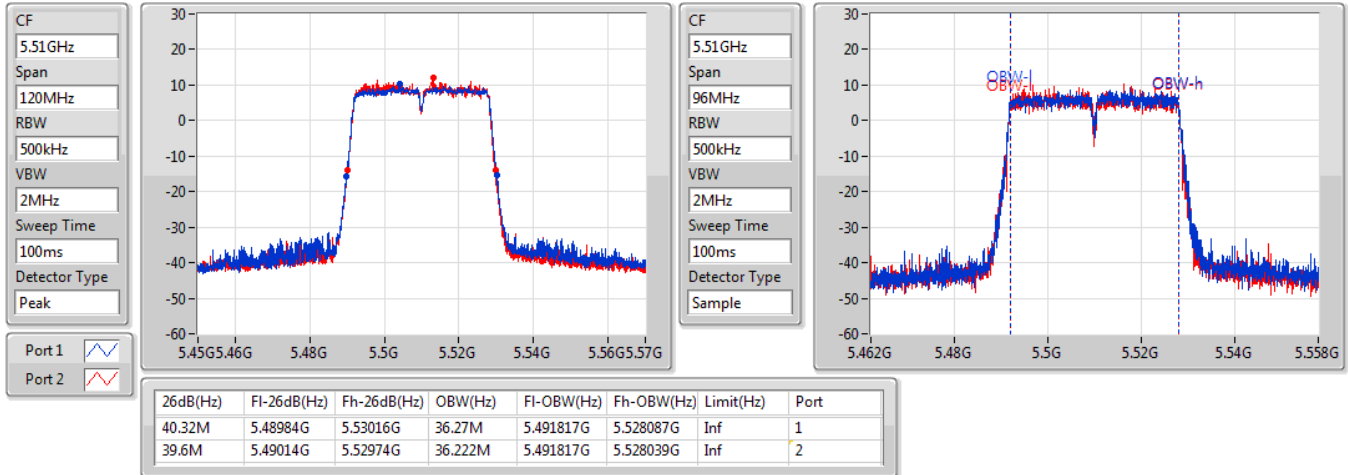

802.11n HT40_Nss1,(MCS0)_2TX
EBW
5310MHz

22/07/2020

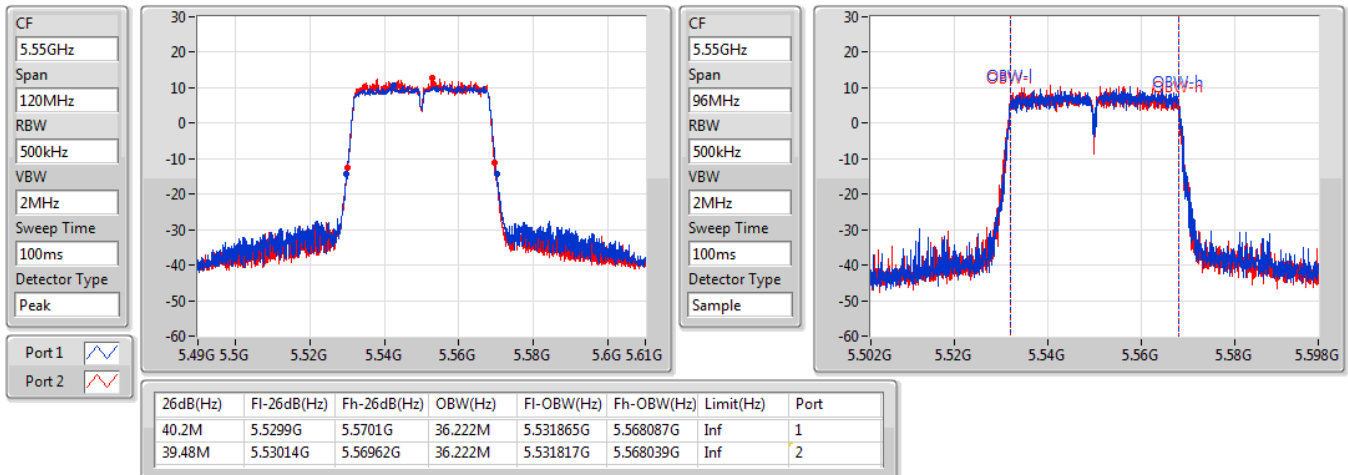


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5510MHz

22/07/2020

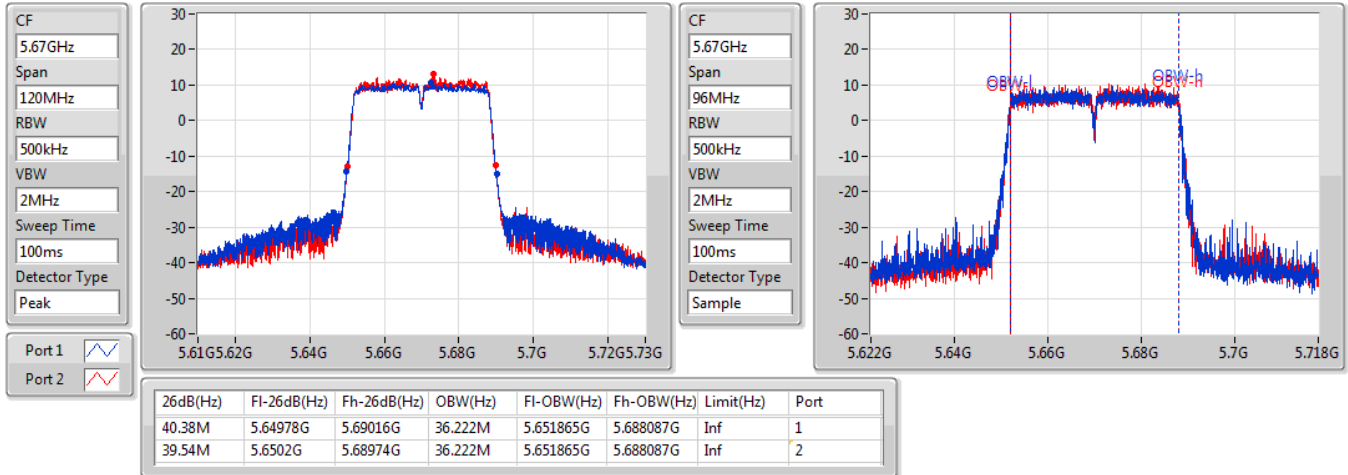

802.11n HT40_Nss1,(MCS0)_2TX
EBW
5550MHz

22/07/2020

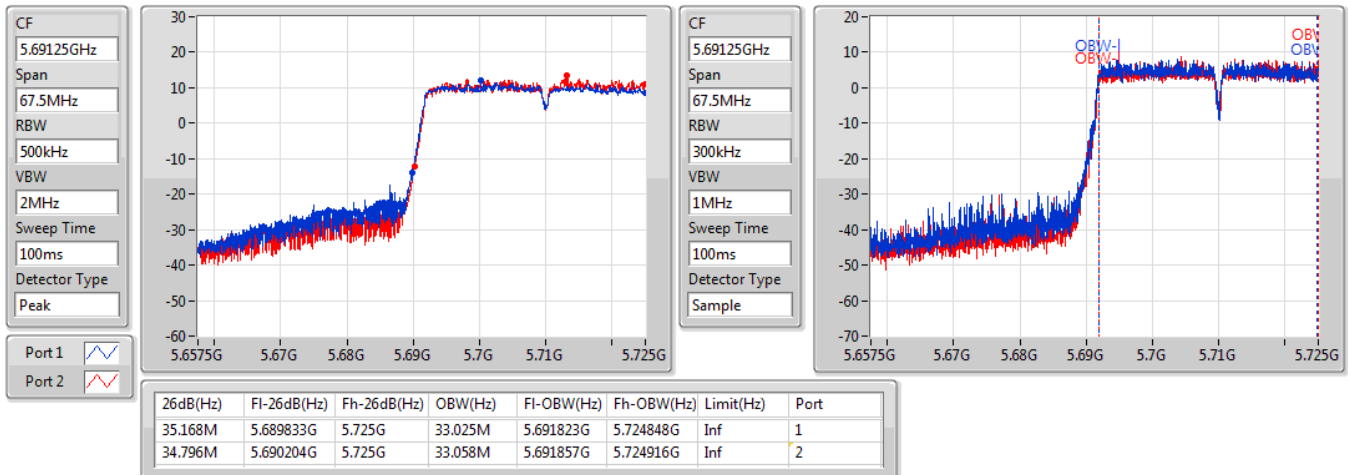


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5670MHz

22/07/2020

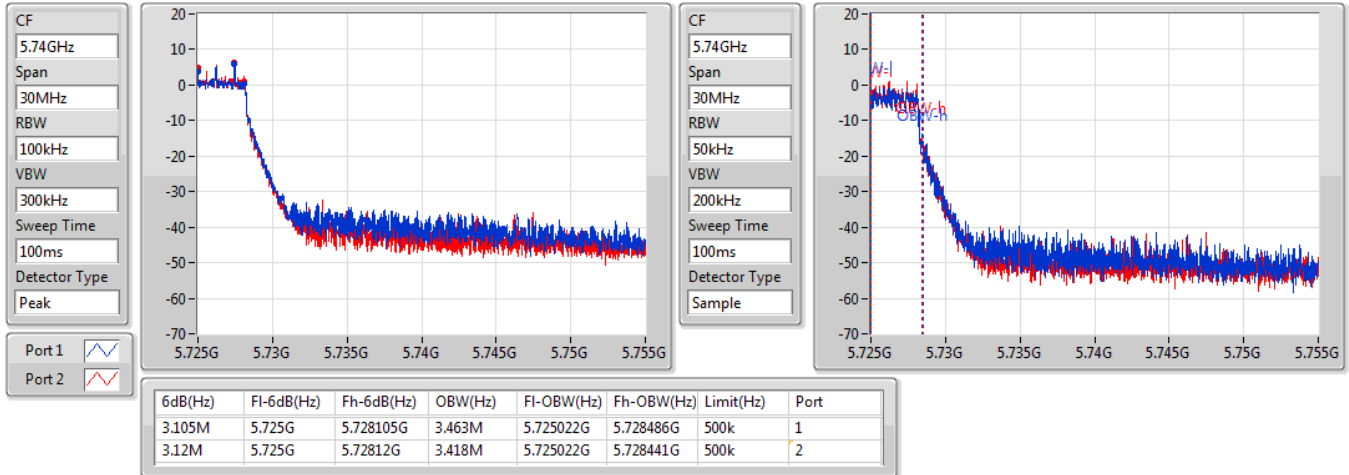

802.11n HT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

22/07/2020

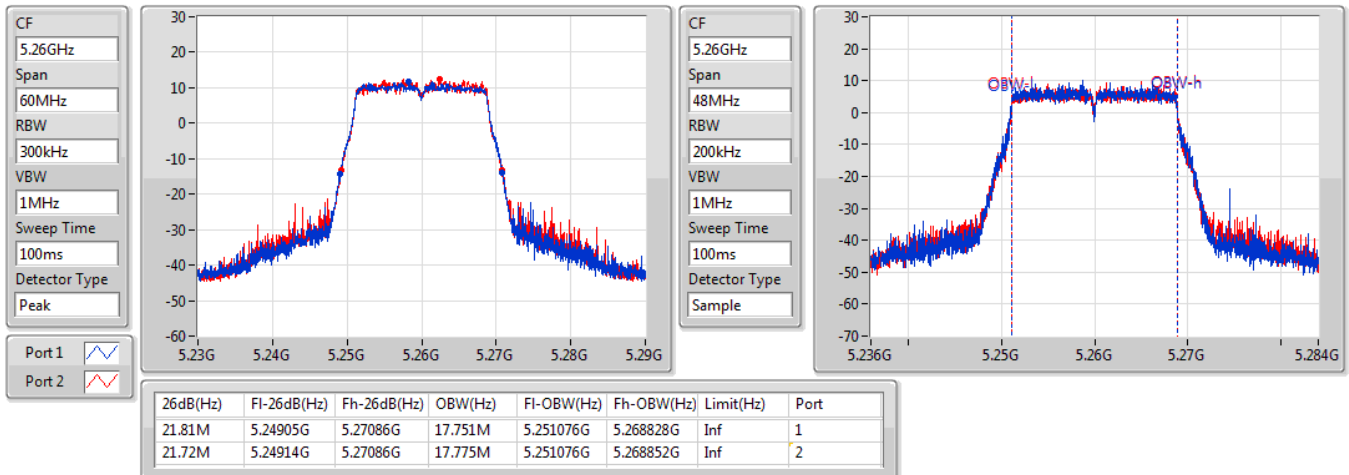


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

22/07/2020

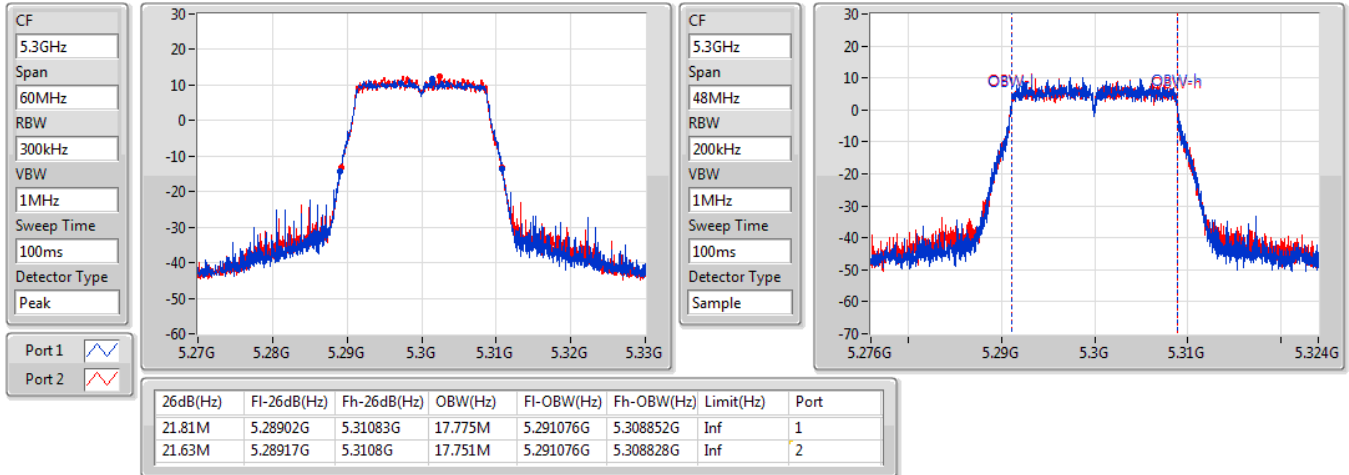

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5260MHz

17/07/2020

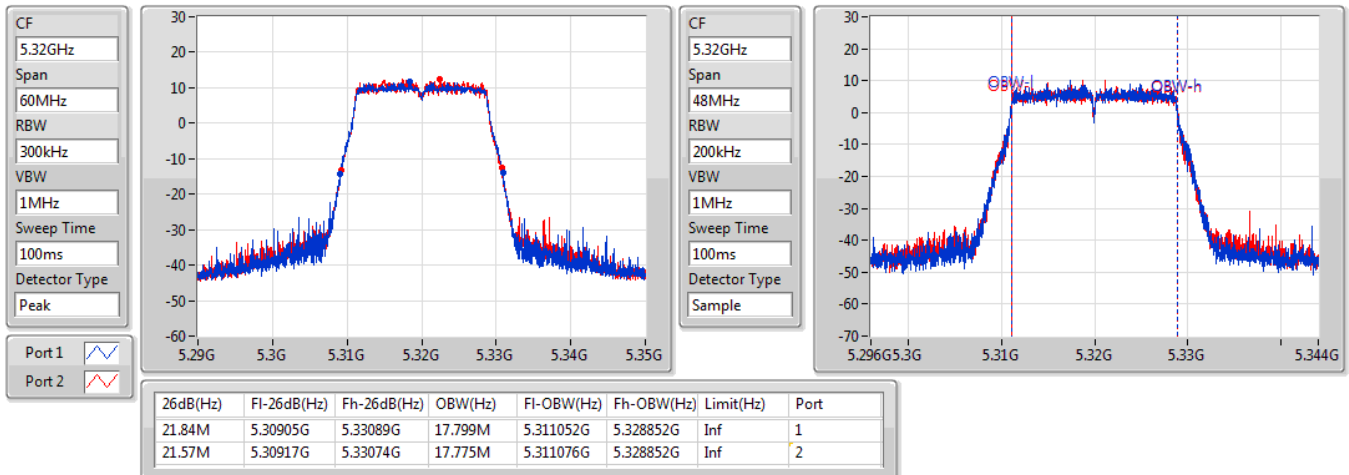


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

17/07/2020

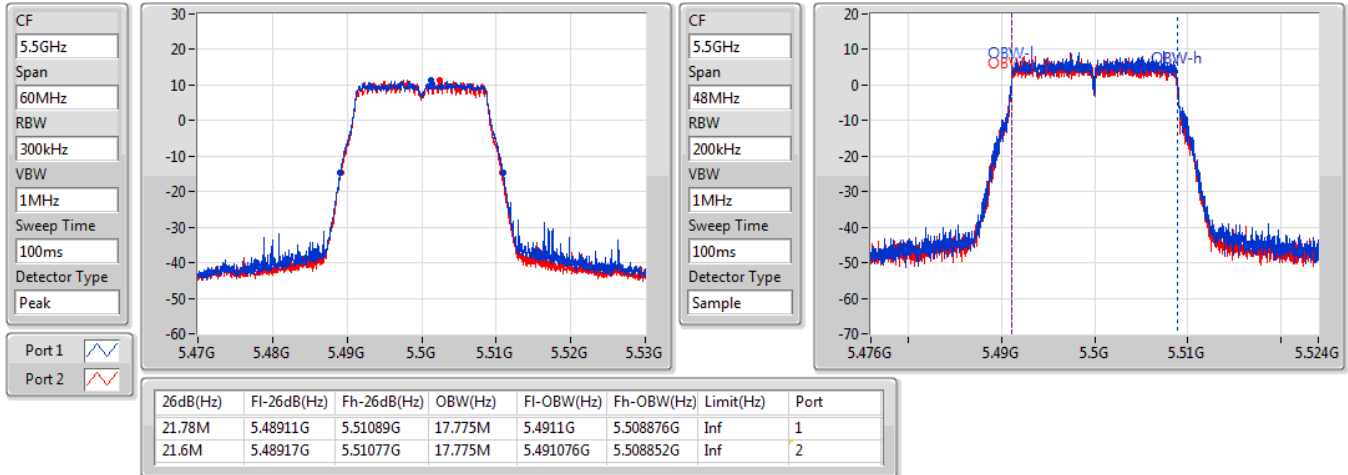

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5320MHz

17/07/2020

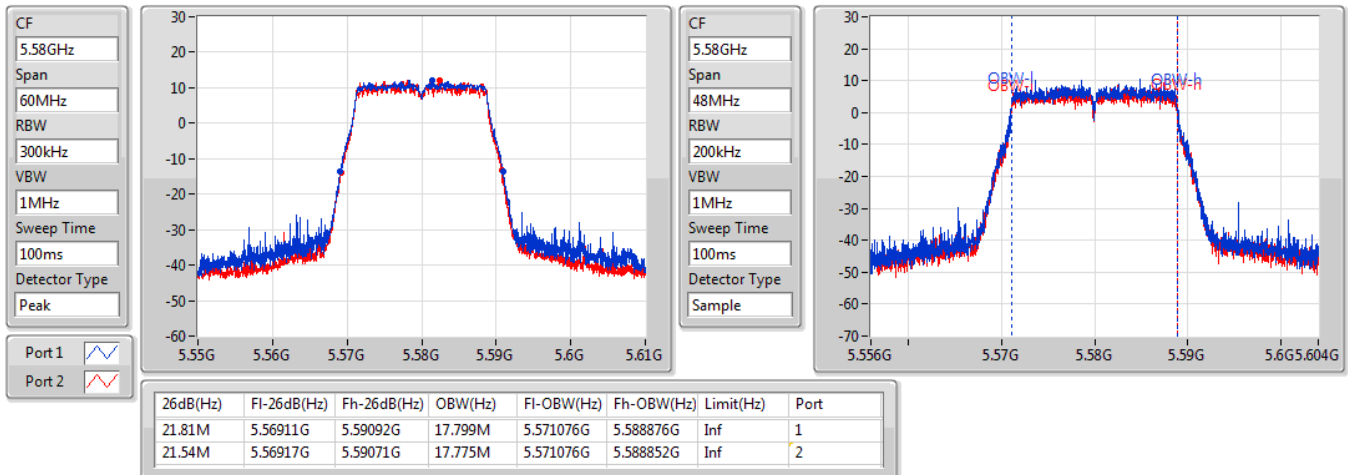


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

17/07/2020

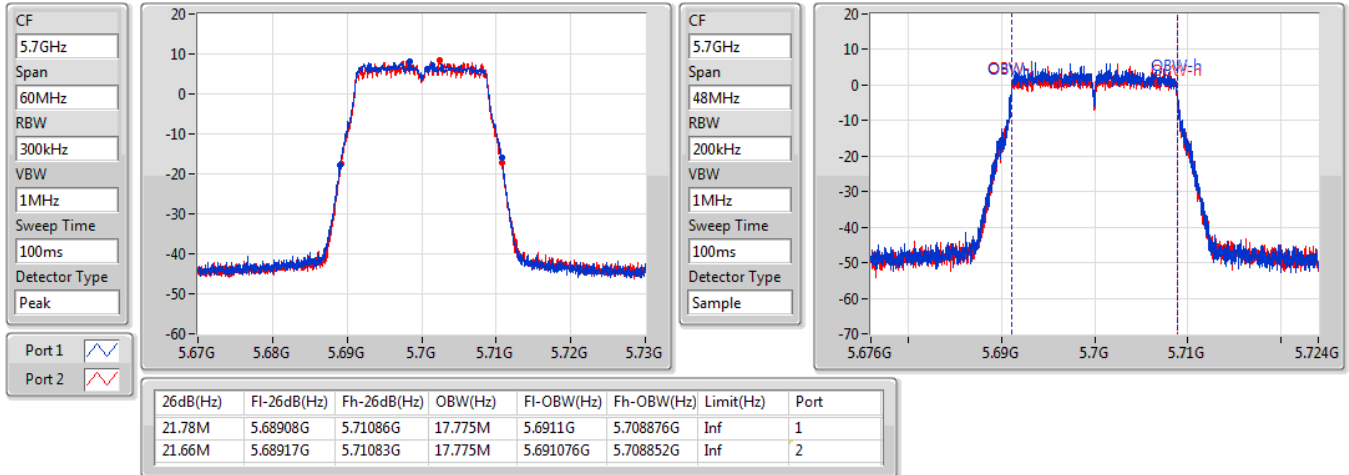

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5580MHz

17/07/2020

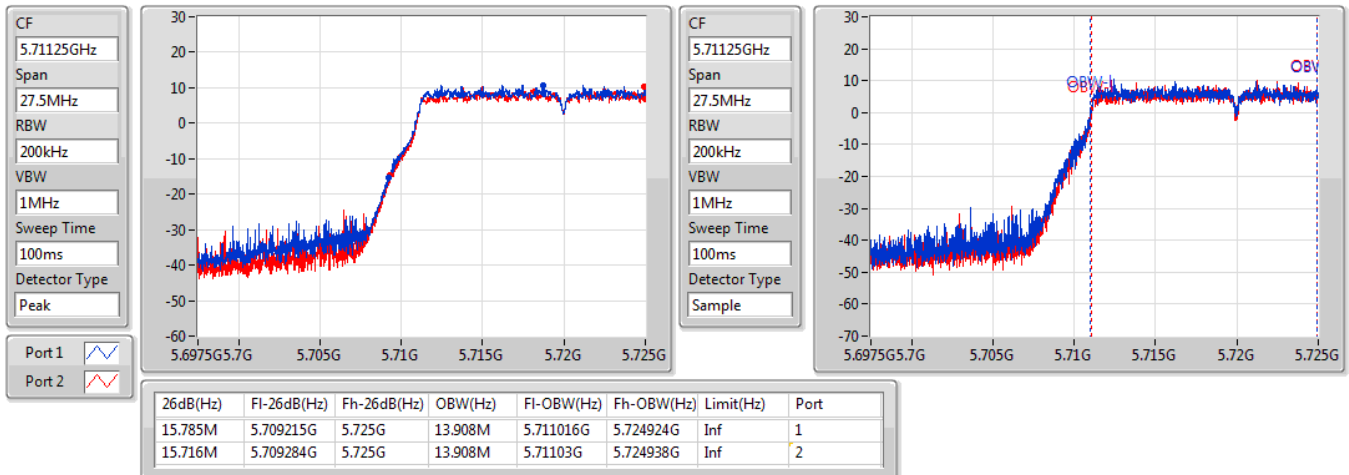


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5700MHz

17/07/2020

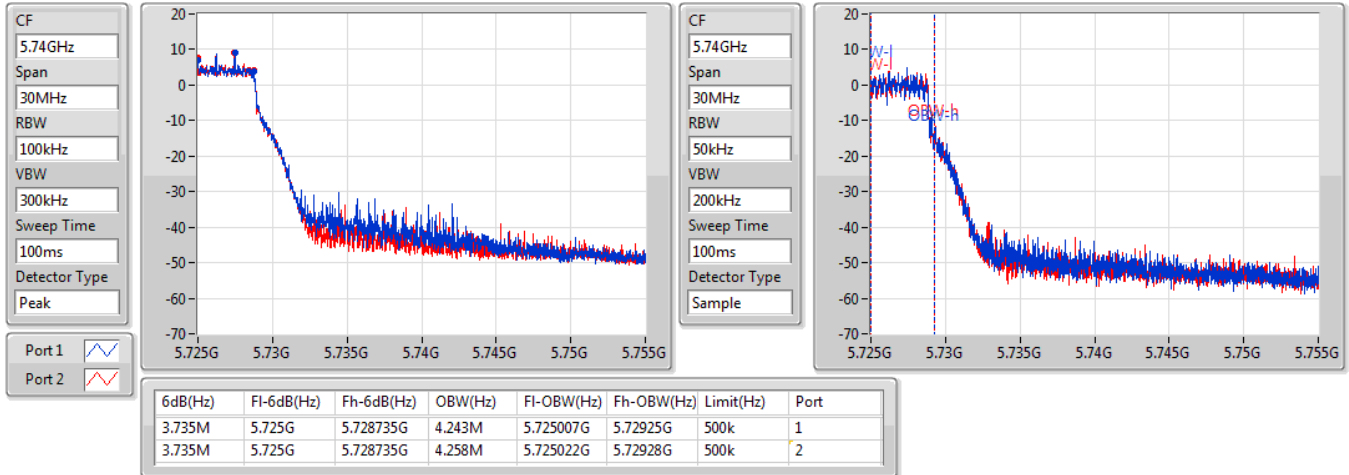

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

17/07/2020

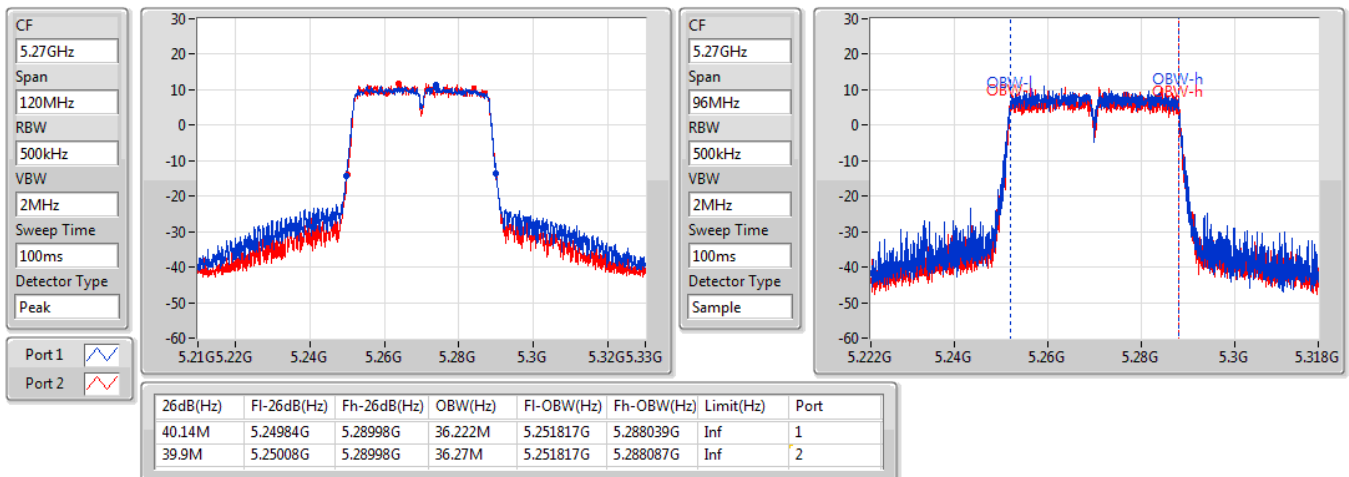


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

17/07/2020

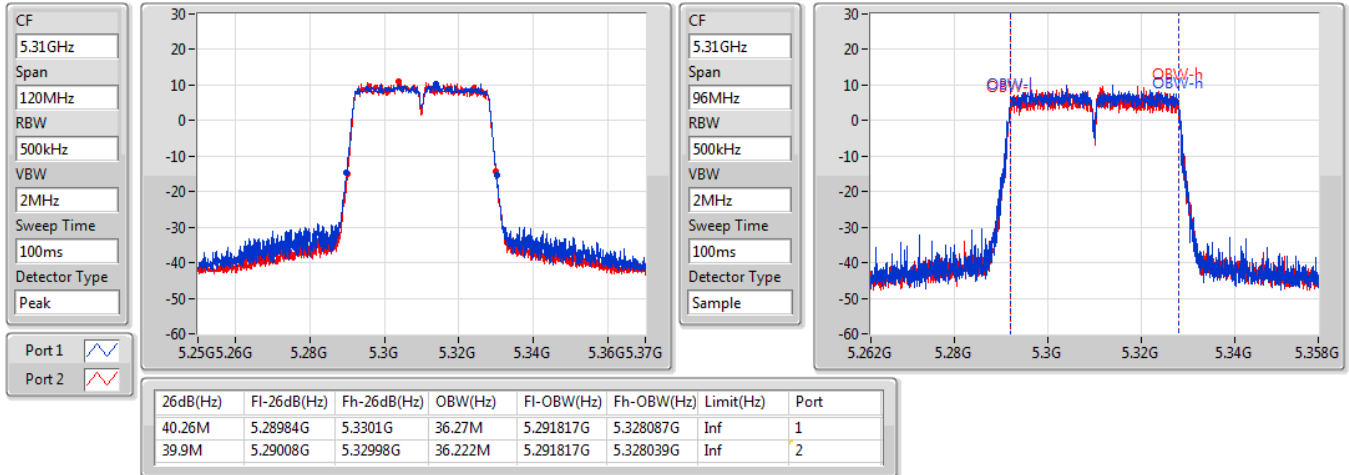

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5270MHz

17/07/2020

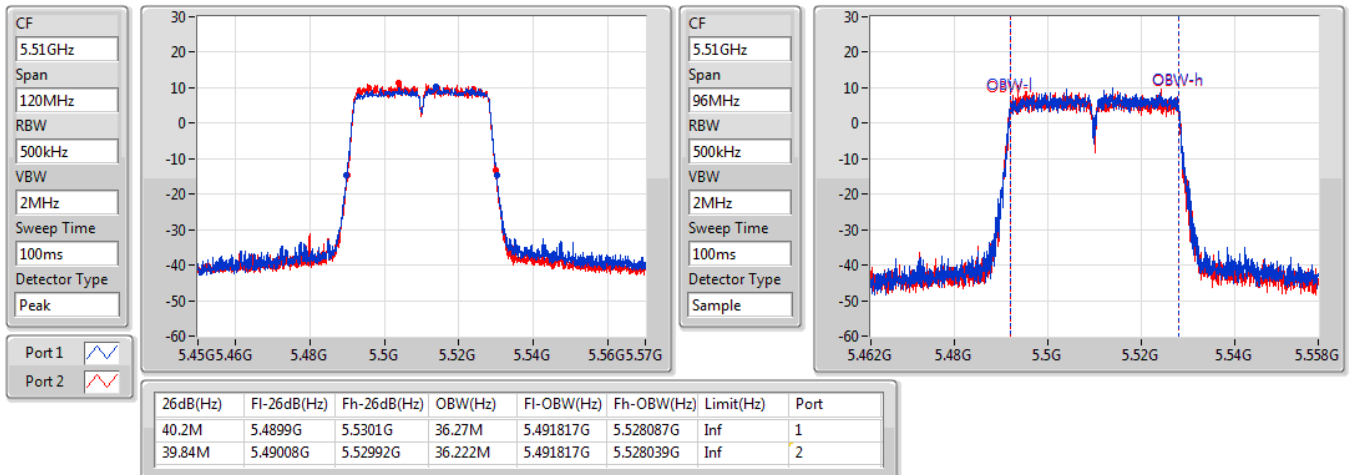


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5310MHz

17/07/2020

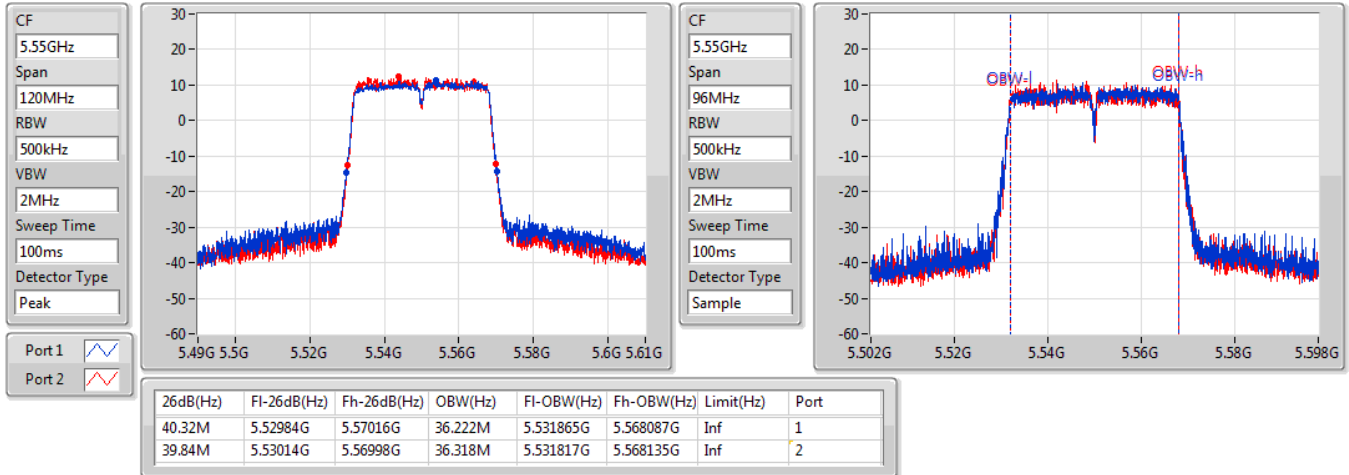

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5510MHz

17/07/2020

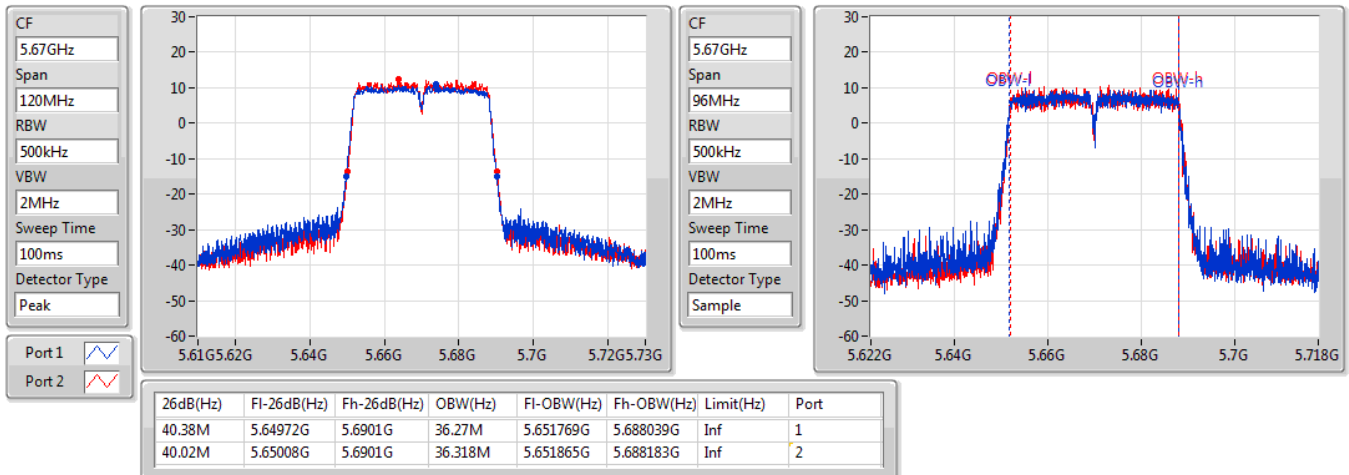


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5550MHz

17/07/2020

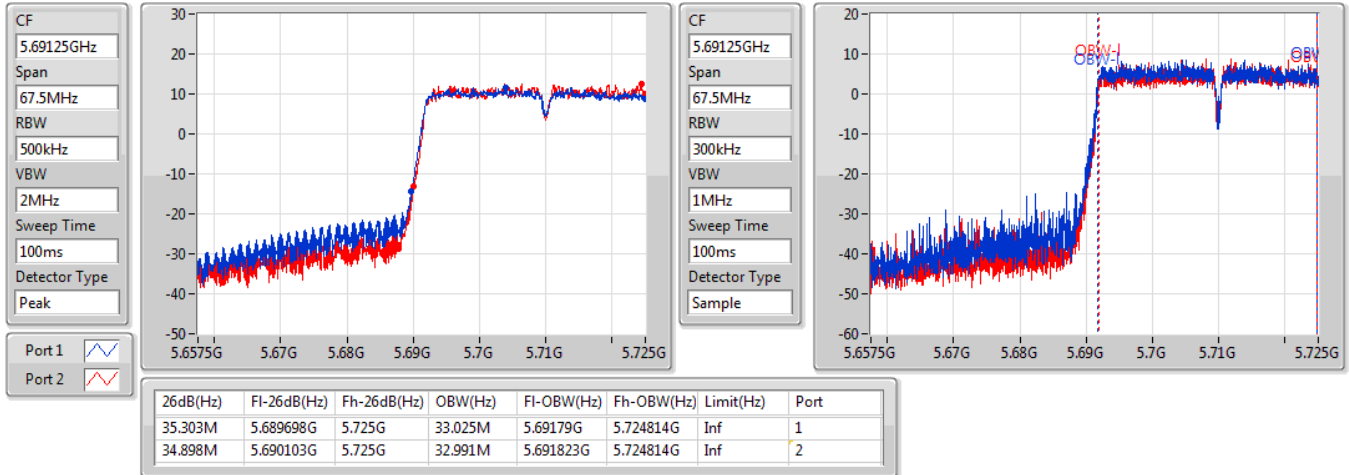

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5670MHz

17/07/2020

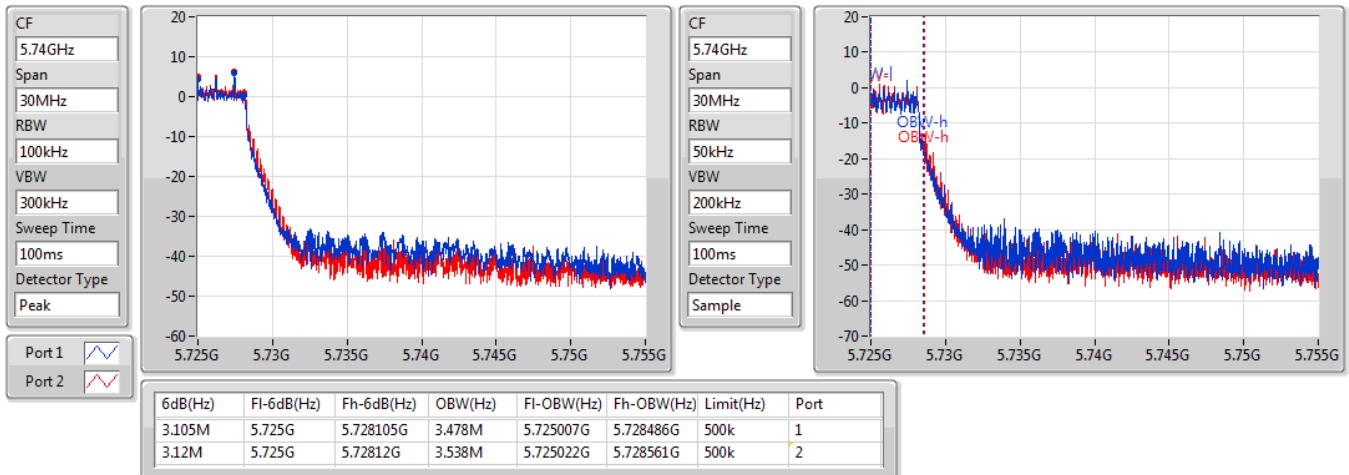


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

17/07/2020

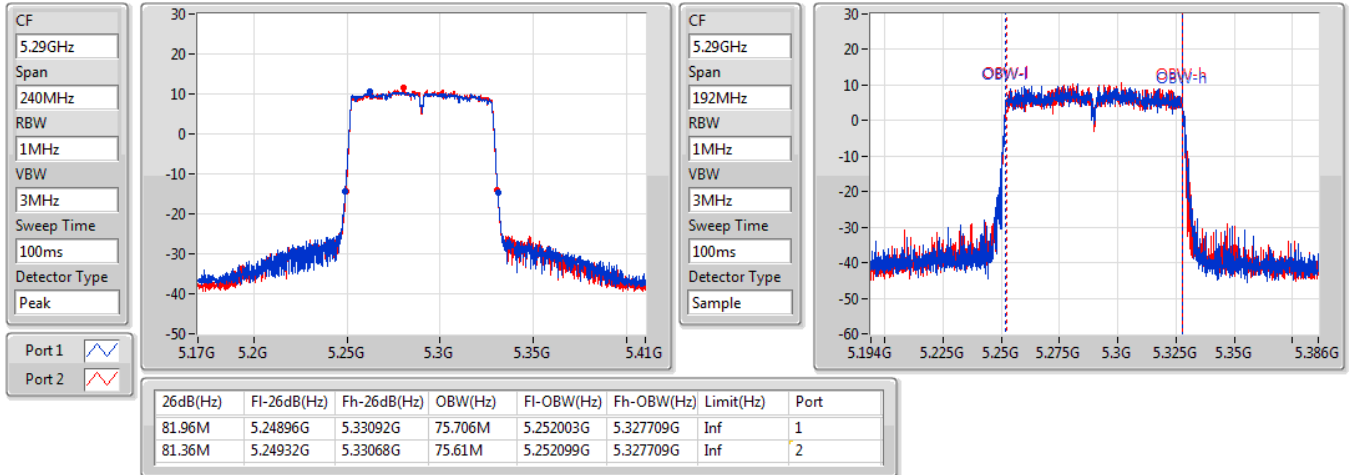

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

17/07/2020

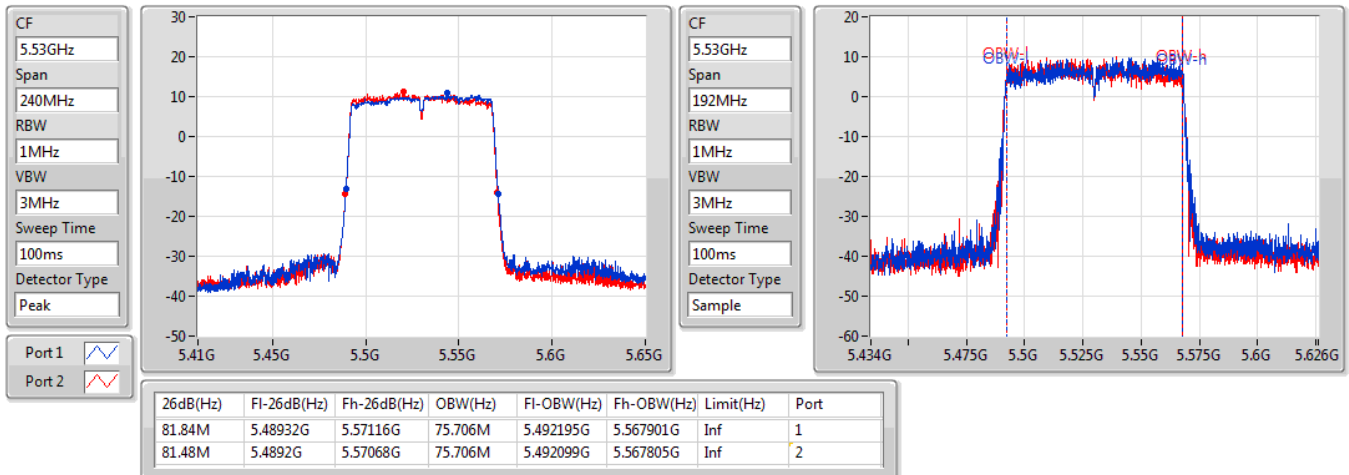


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5290MHz

18/07/2020

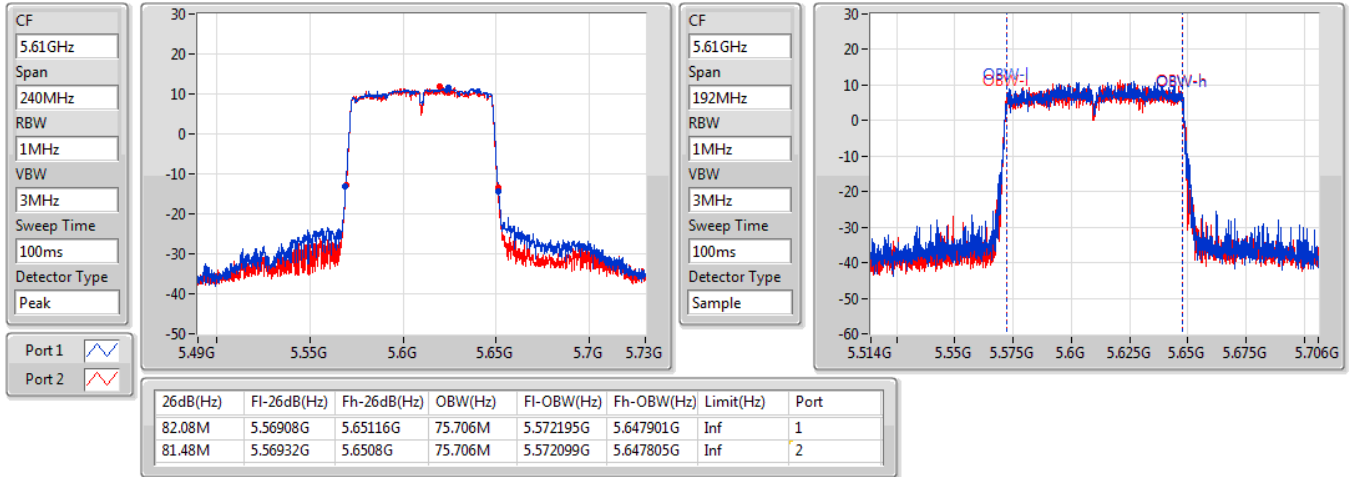

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5530MHz

18/07/2020

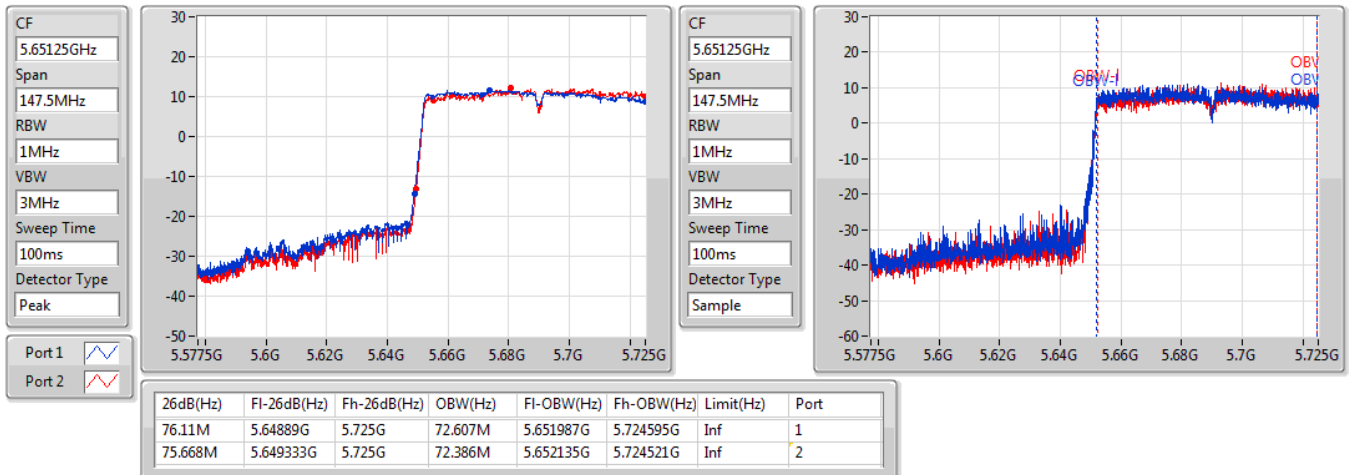


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5610MHz

18/07/2020

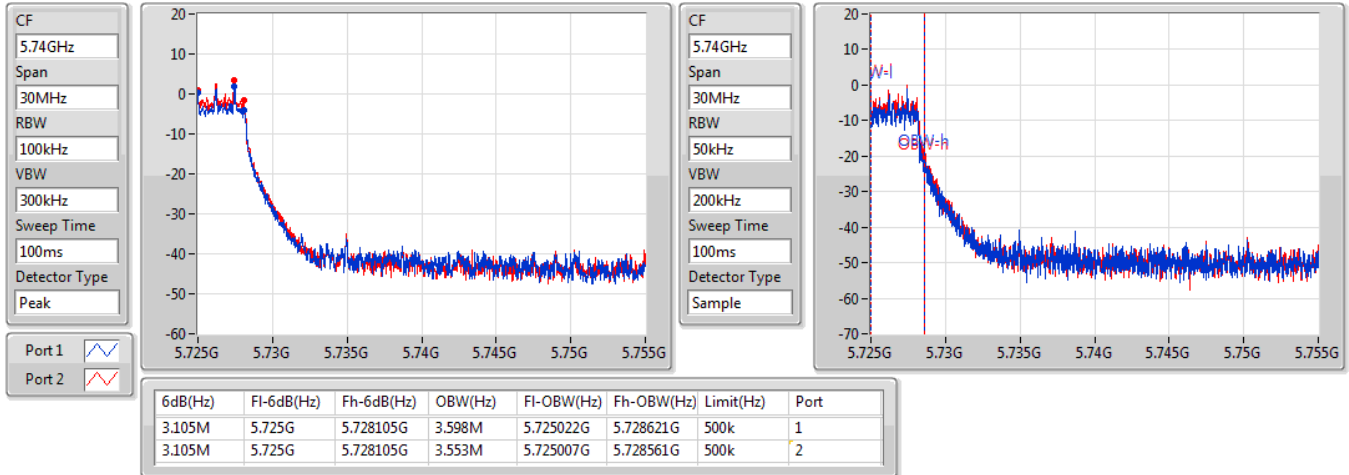

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

18/07/2020

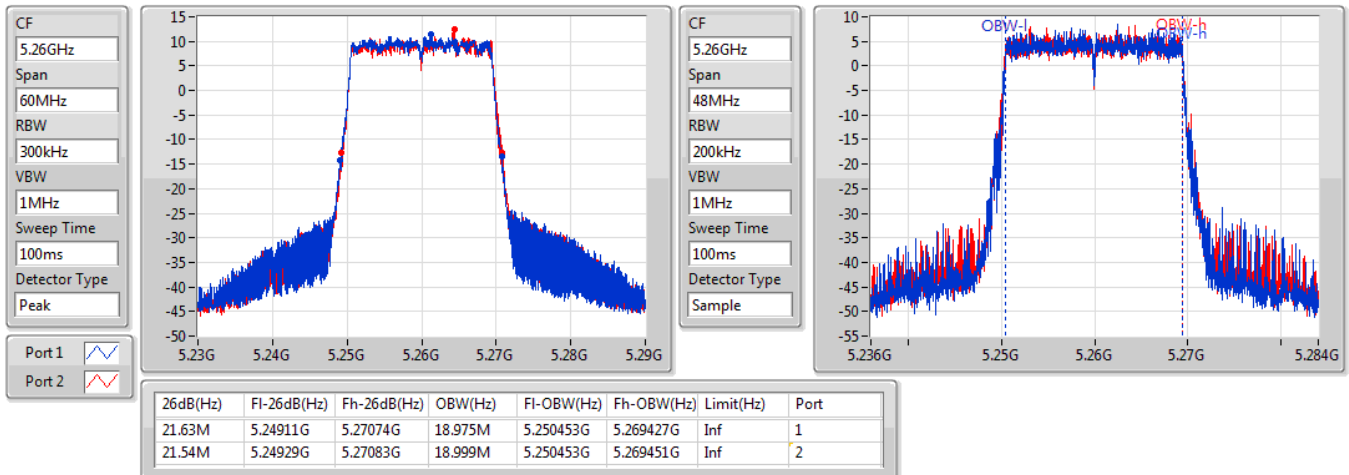


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

18/07/2020

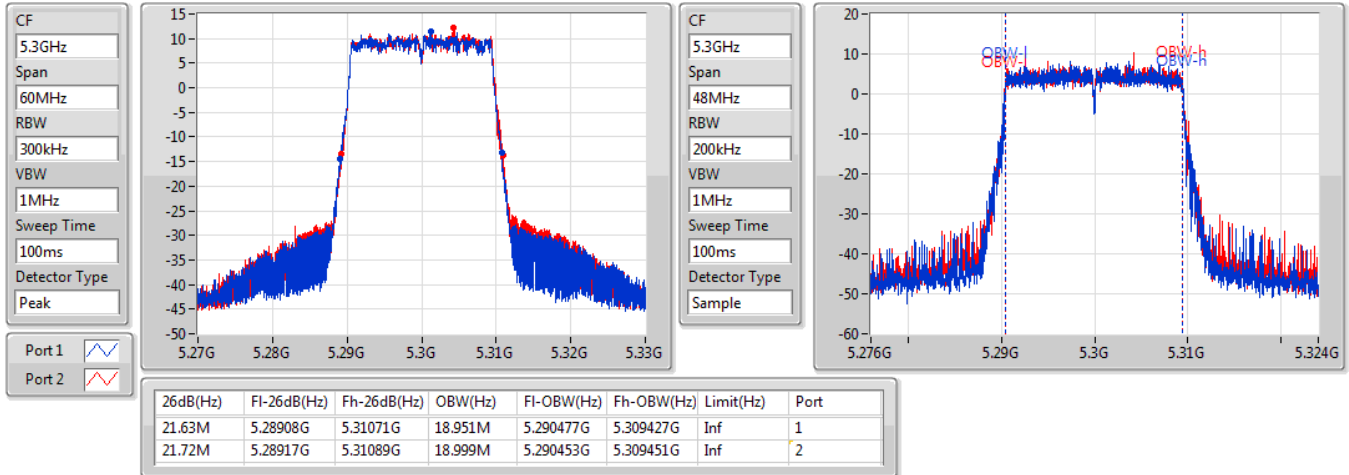

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5260MHz

16/07/2020

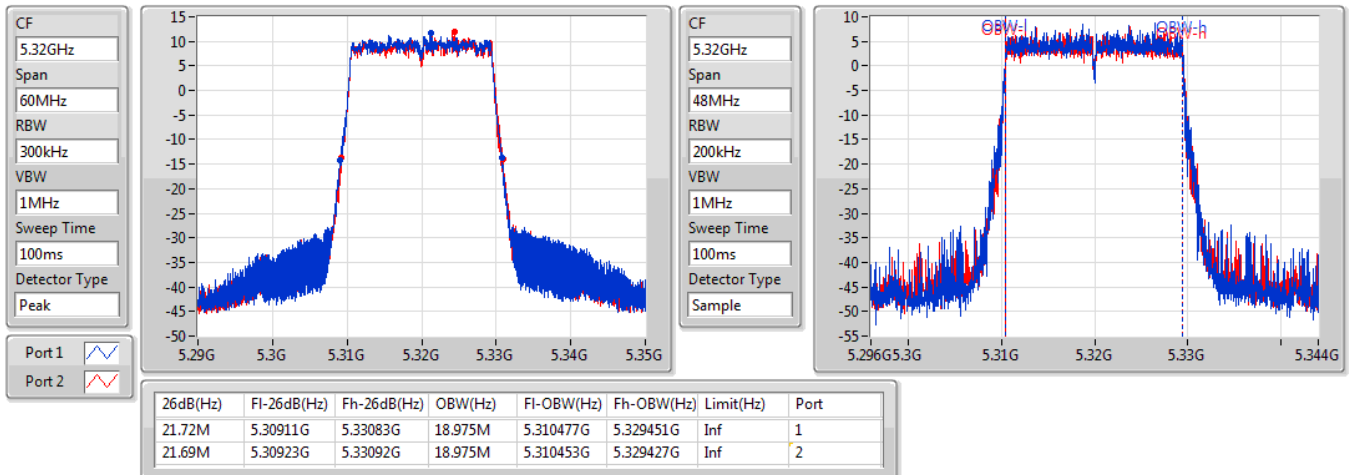


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5300MHz

16/07/2020

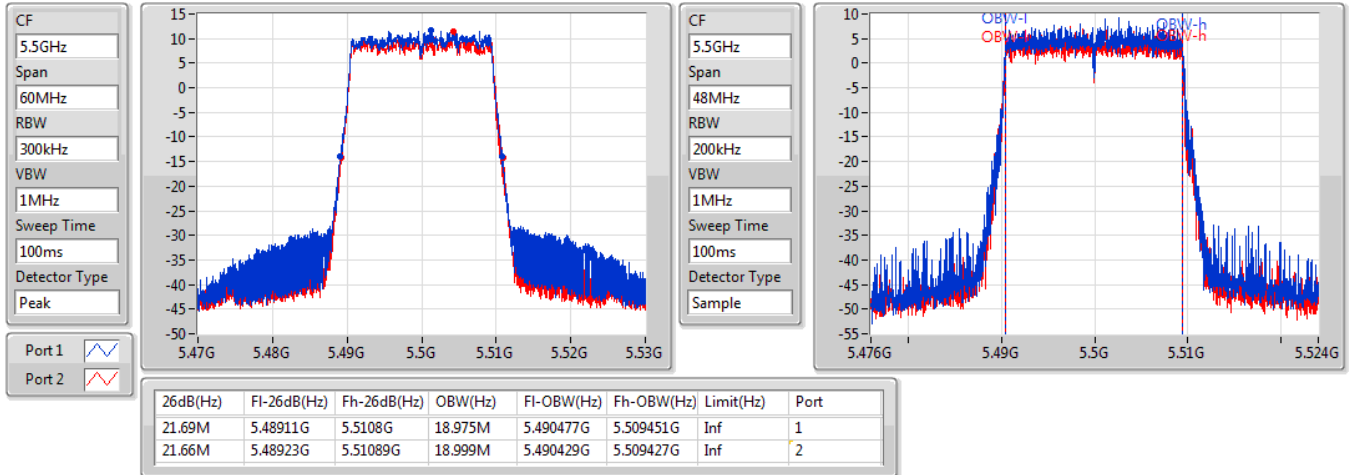

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5320MHz

16/07/2020

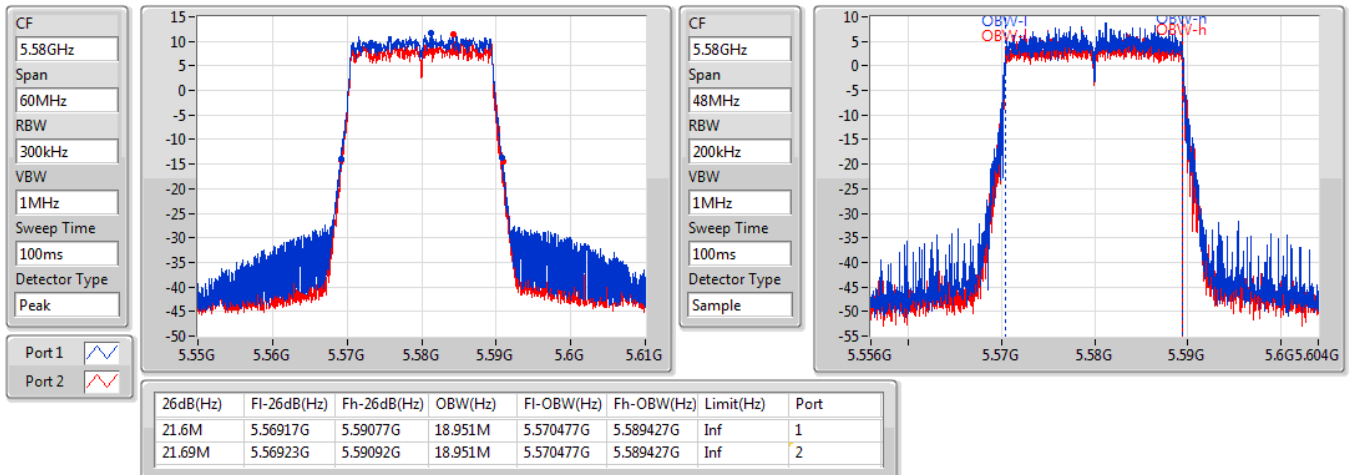


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5500MHz

16/07/2020

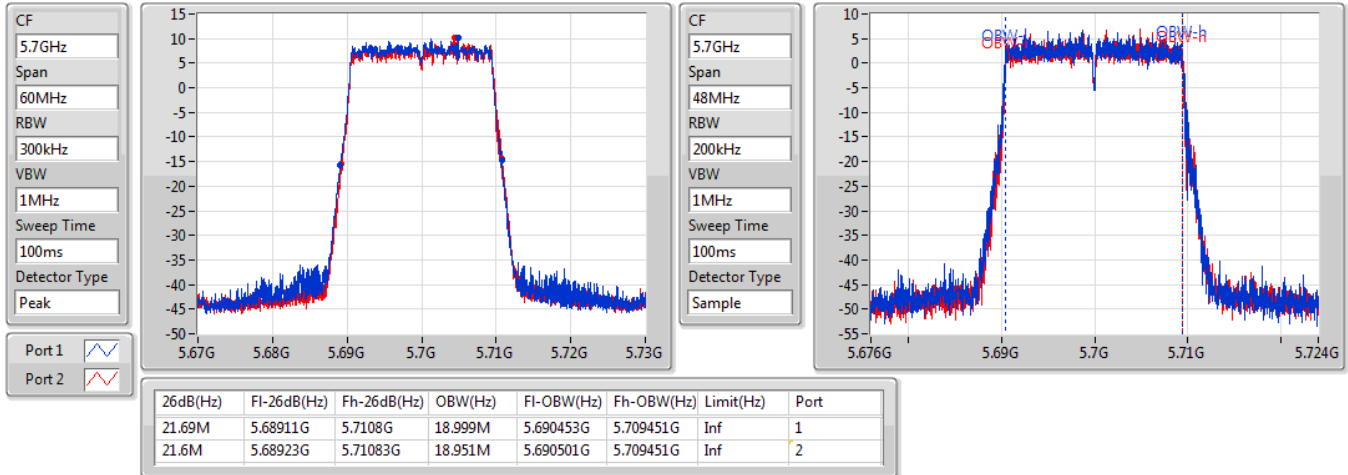

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5580MHz

16/07/2020

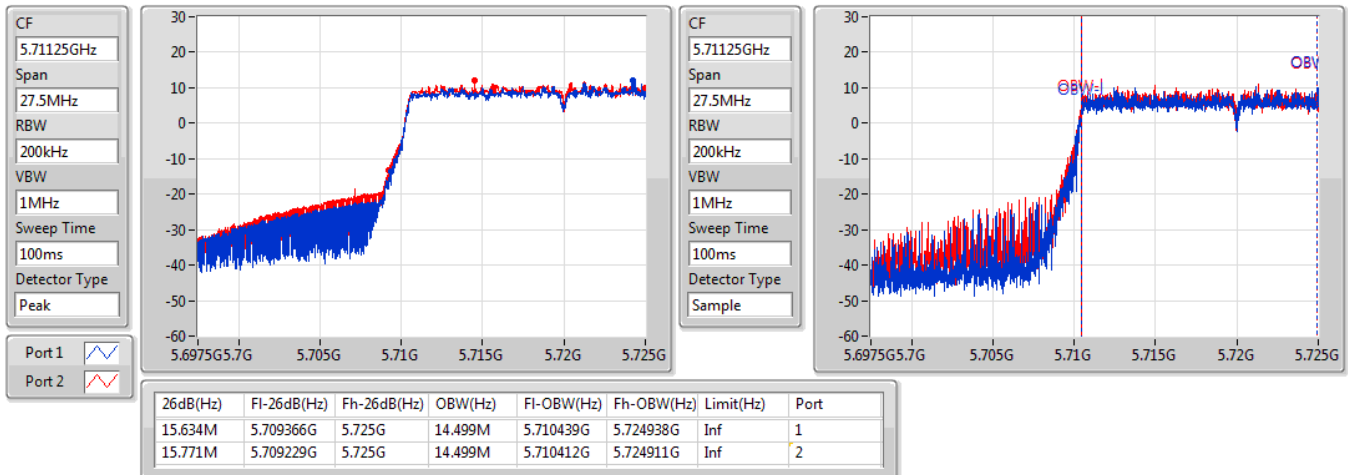


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5700MHz

16/07/2020

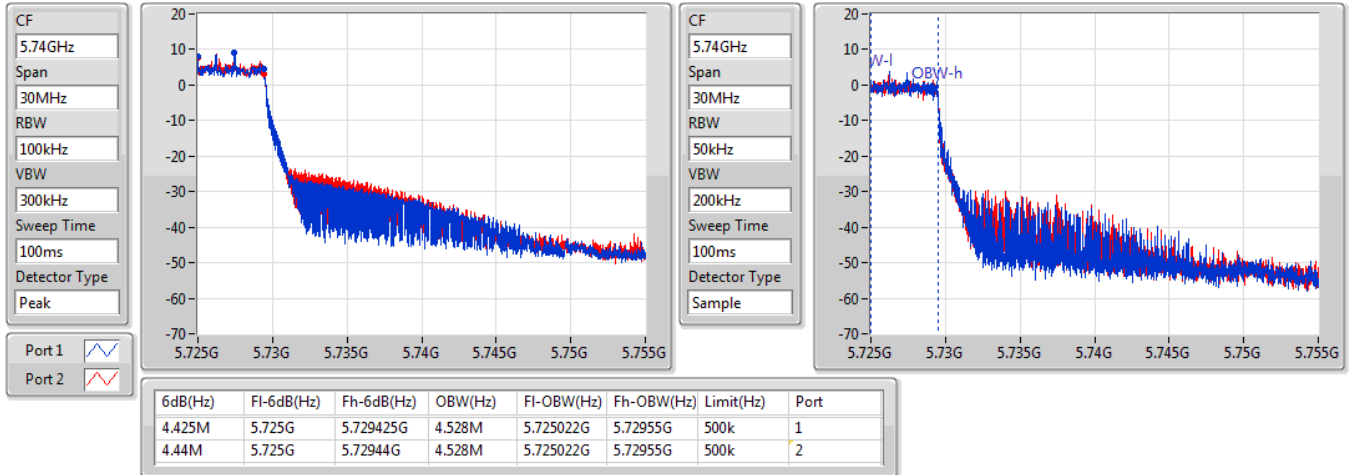

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

17/07/2020

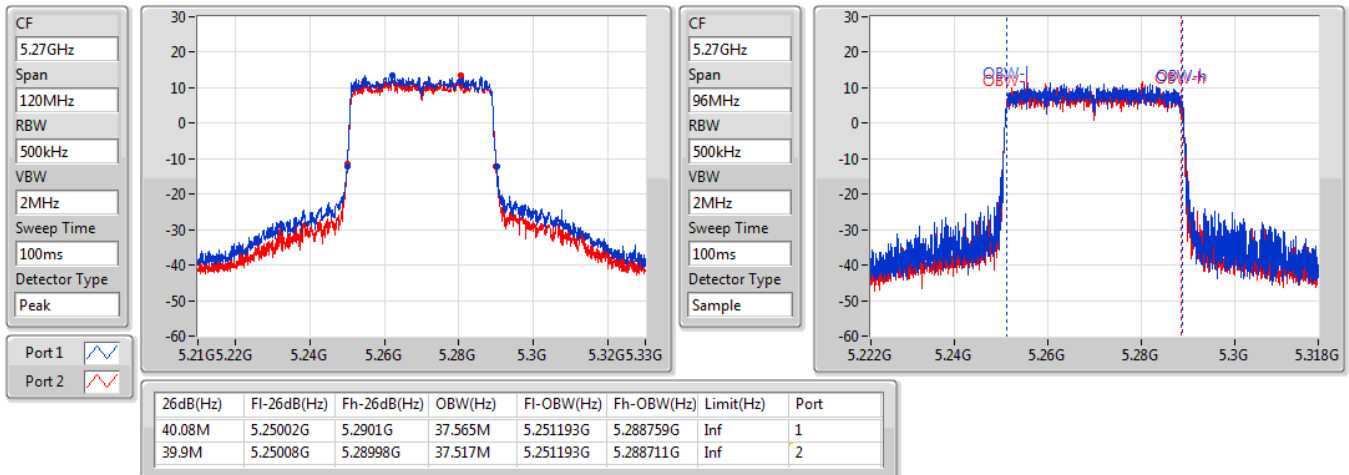


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

17/07/2020


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5270MHz

17/07/2020

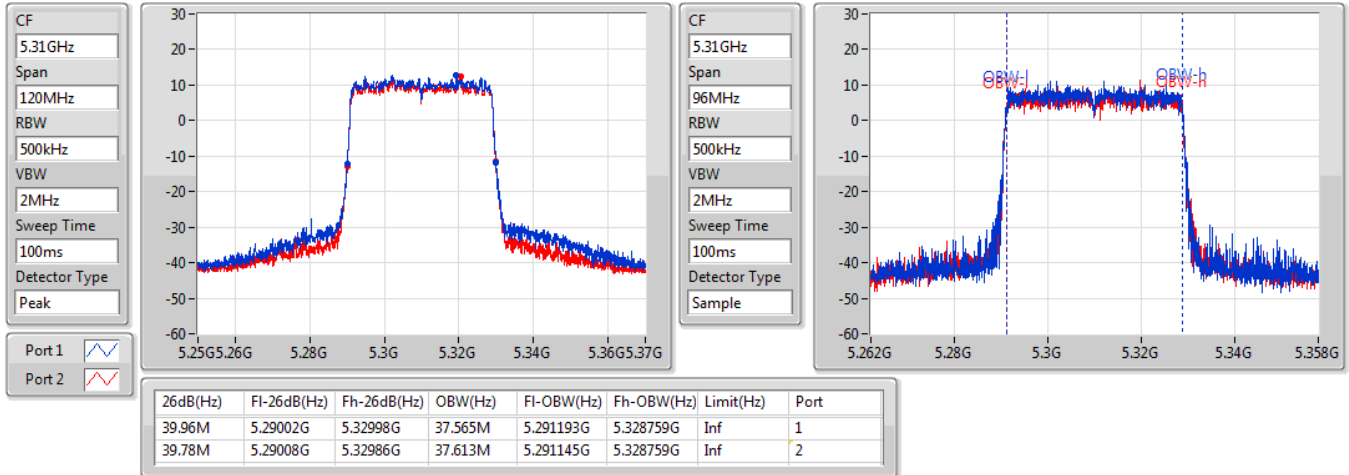


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

17/07/2020

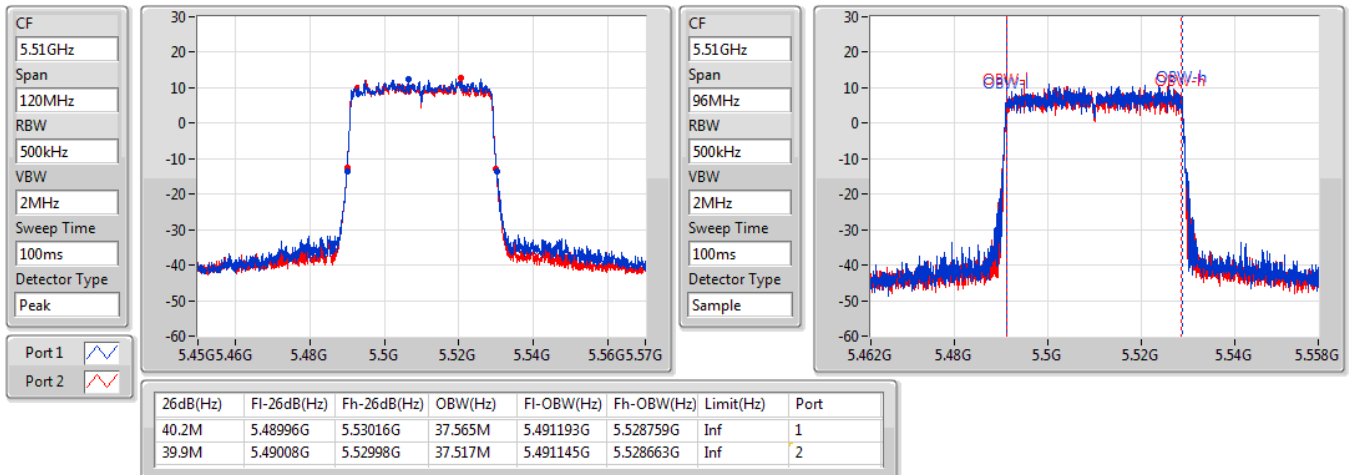


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

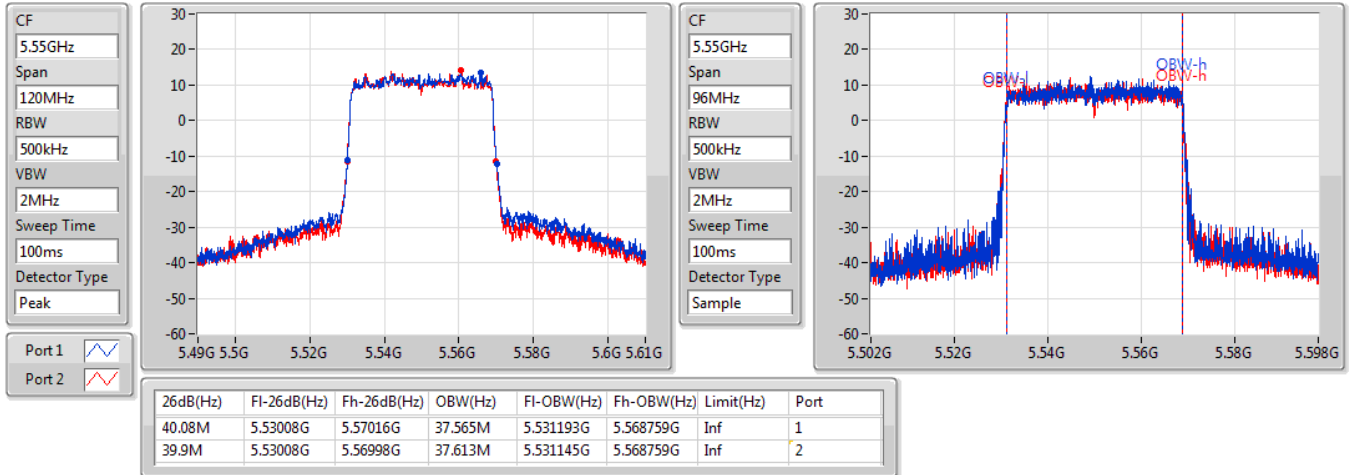
5510MHz

17/07/2020

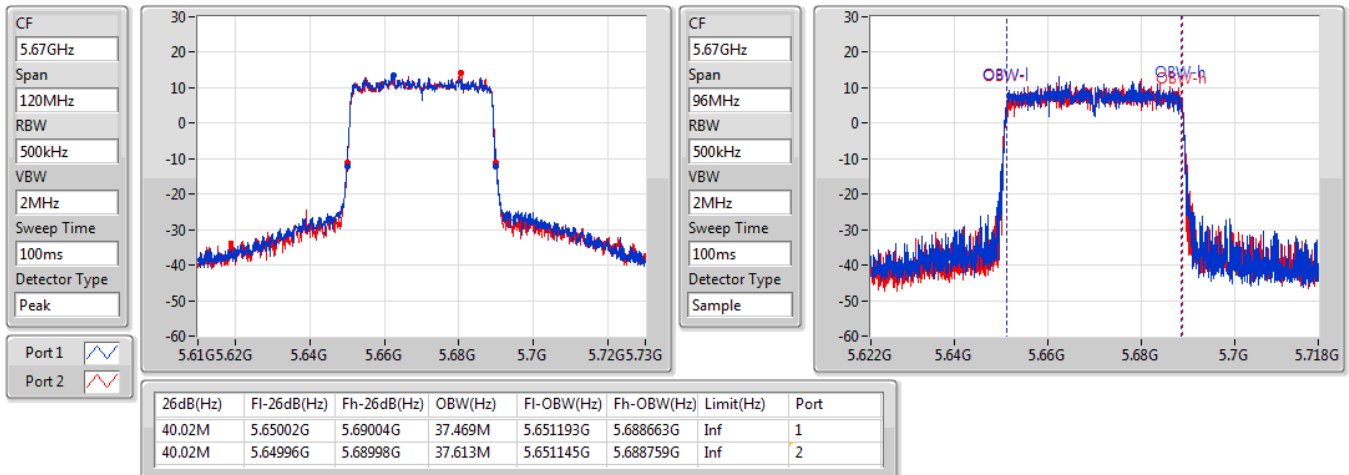


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5550MHz

17/07/2020

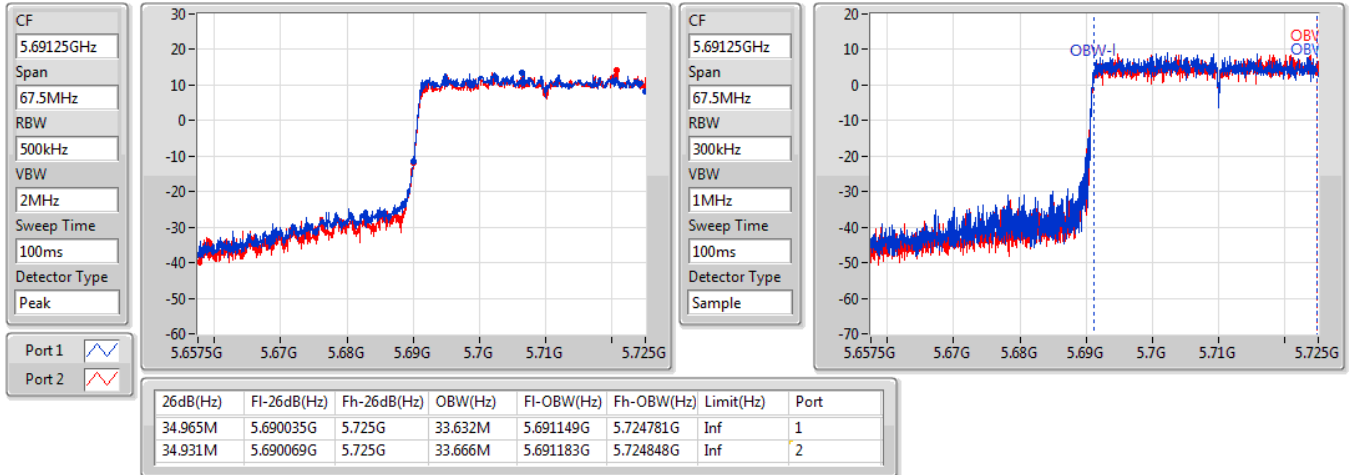

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5670MHz

17/07/2020

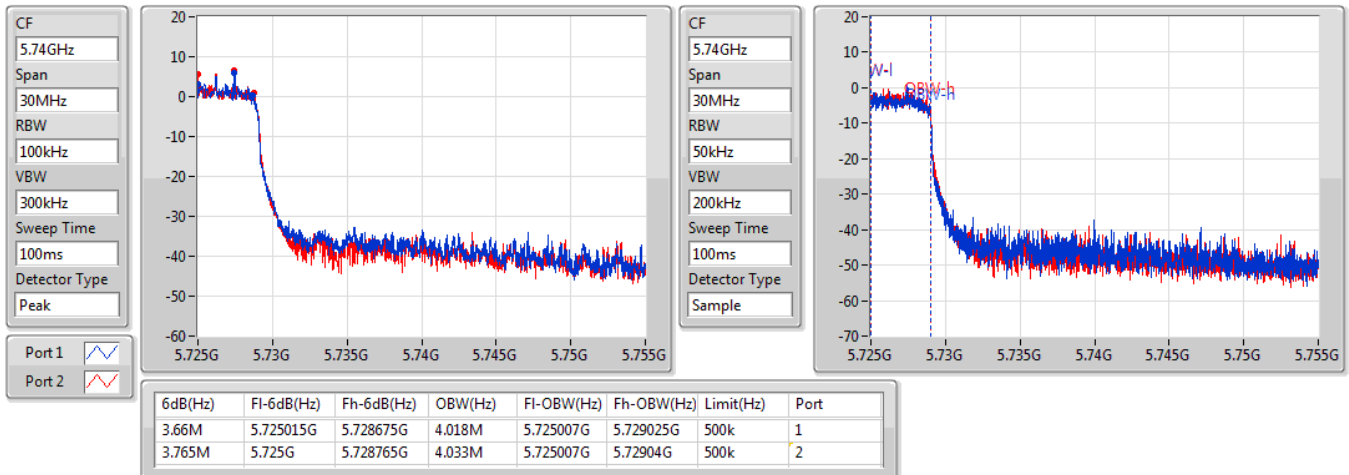


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

17/07/2020

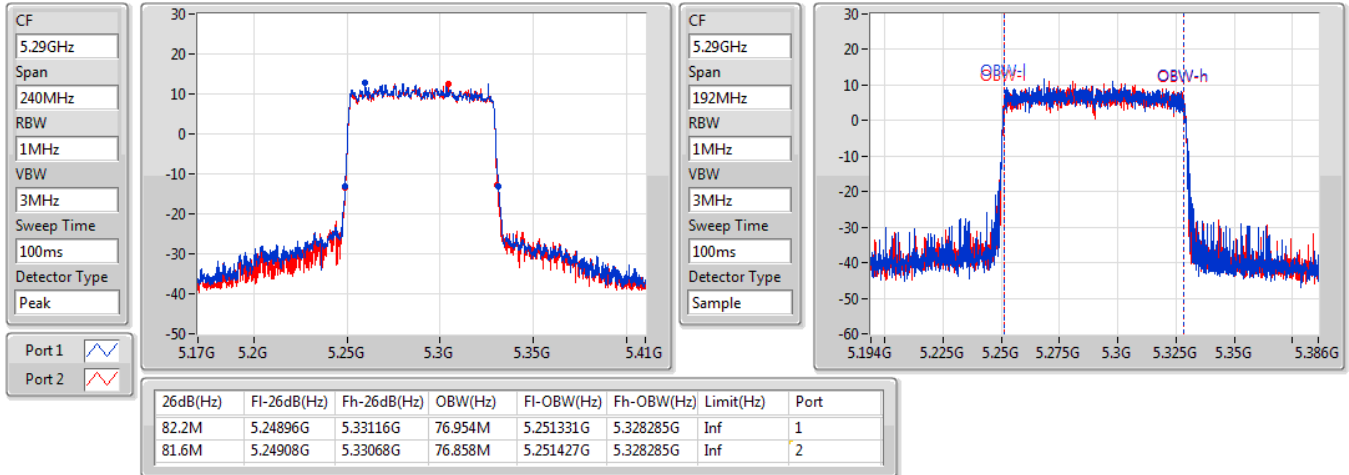

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

17/07/2020

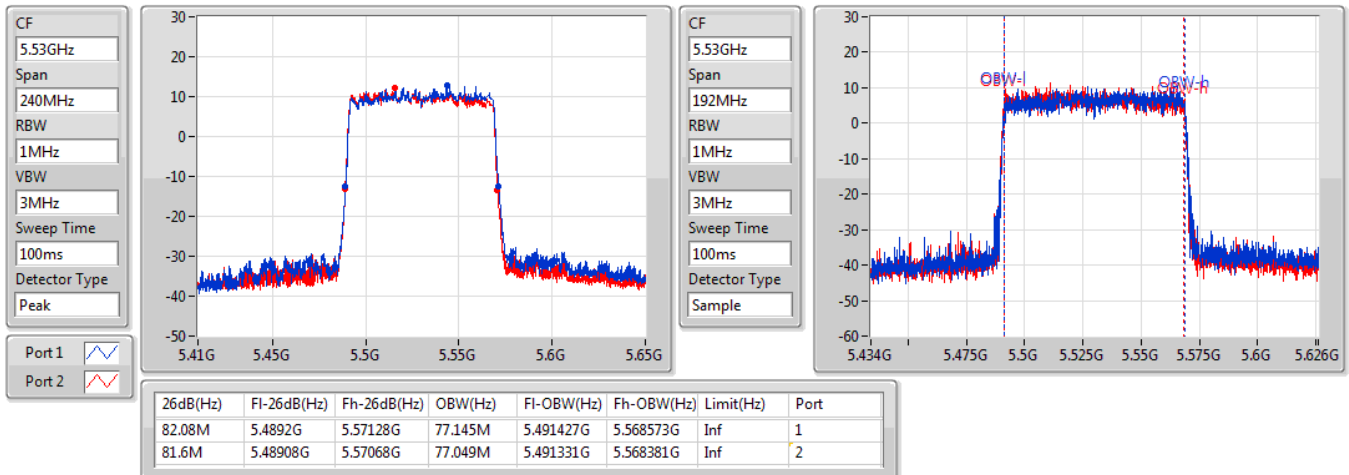


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5290MHz

17/07/2020

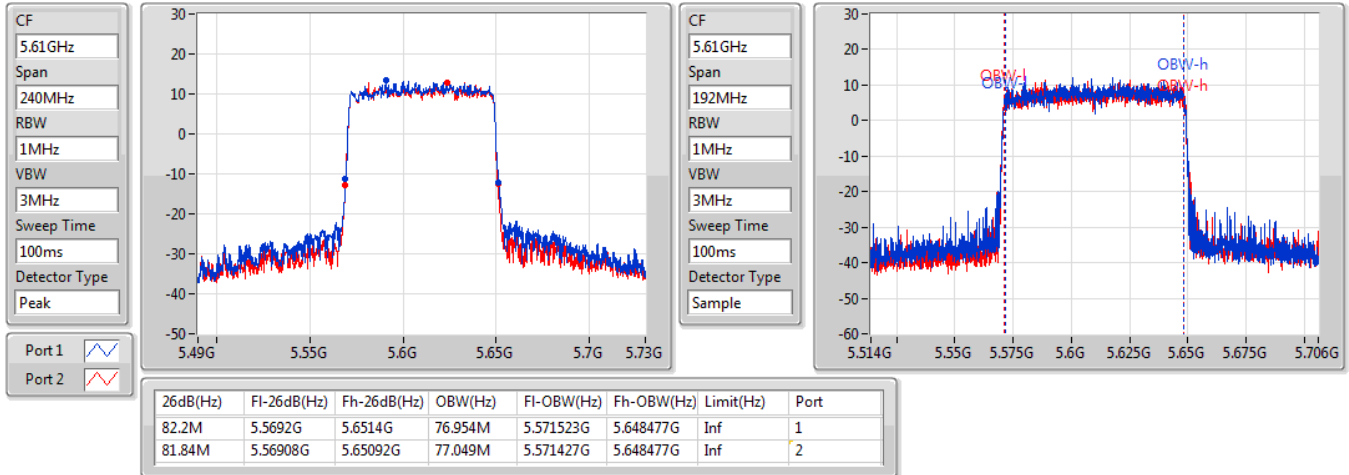

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5530MHz

17/07/2020

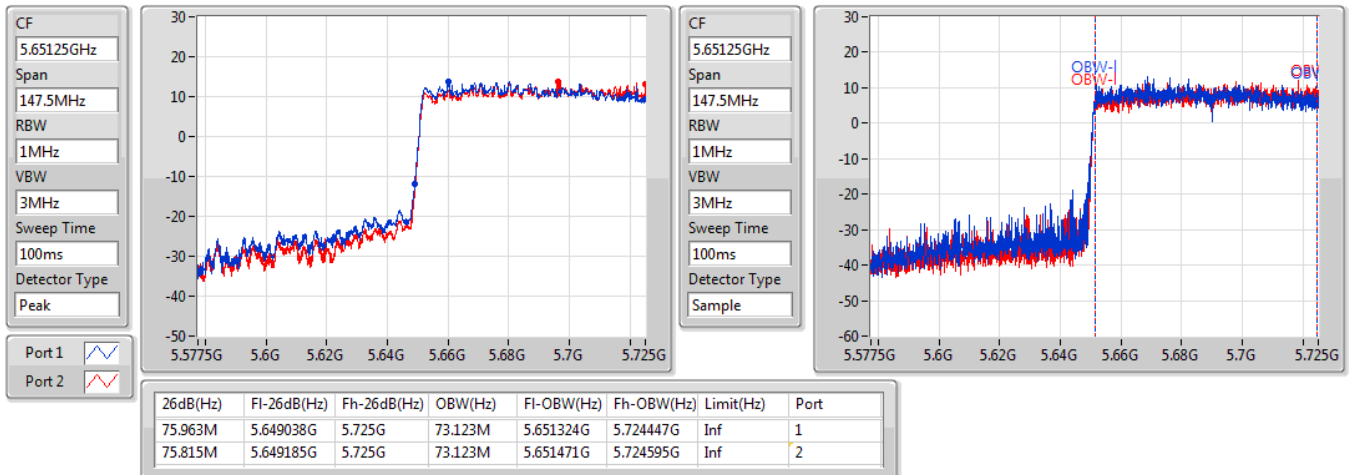


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5610MHz

17/07/2020


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

17/07/2020

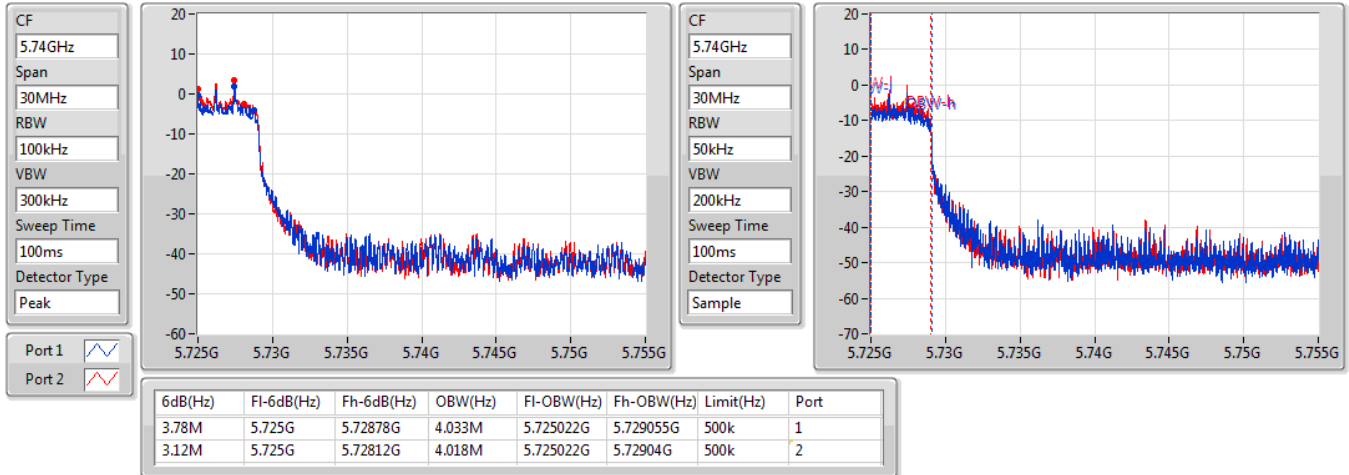


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

17/07/2020



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	21.48M	16.648M	16M6D1D	21.3M	16.576M
802.11n HT20_Nss1,(MCS0)_2TX	21.9M	17.799M	17M8D1D	21.42M	17.703M
802.11n HT40_Nss1,(MCS0)_2TX	40.2M	36.27M	36M3D1D	39.48M	36.222M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.78M	17.799M	17M8D1D	21.6M	17.727M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.32M	36.318M	36M3D1D	39.72M	36.222M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.08M	75.706M	75M7D1D	81.24M	75.706M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.69M	18.999M	19M0D1D	21.51M	18.951M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.08M	37.565M	37M6D1D	39.84M	37.469M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.96M	77.049M	77M0D1D	81.6M	76.858M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.54M	16.624M	16M6D1D	15.524M	13.345M
802.11n HT20_Nss1,(MCS0)_2TX	21.75M	17.799M	17M8D1D	15.648M	13.894M
802.11n HT40_Nss1,(MCS0)_2TX	40.26M	36.27M	36M3D1D	34.83M	33.025M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.78M	17.799M	17M8D1D	15.73M	13.922M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.38M	36.318M	36M3D1D	34.864M	32.957M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.2M	75.802M	75M8D1D	75.594M	72.534M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.69M	18.999M	19M0D1D	15.785M	14.472M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.14M	37.613M	37M6D1D	34.898M	33.632M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.08M	77.145M	77M1D1D	75.815M	73.123M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.12M	3.853M	3M85D1D	3.12M	3.823M
802.11n HT20_Nss1,(MCS0)_2TX	3.735M	4.213M	4M21D1D	3.735M	4.153M
802.11n HT40_Nss1,(MCS0)_2TX	3.12M	3.448M	3M45D1D	3.105M	3.433M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.75M	4.228M	4M23D1D	3.75M	4.213M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.12M	3.493M	3M49D1D	3.105M	3.463M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.105M	3.598M	3M60D1D	3.09M	3.523M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.455M	4.513M	4M51D1D	4.425M	4.513M
802.11ax HEW40_Nss1,(MCS0)_2TX	3.69M	4.003M	4M00D1D	3.525M	4.003M
802.11ax HEW80_Nss1,(MCS0)_2TX	3.51M	4.048M	4M05D1D	3.495M	4.033M

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	16.576M	21.36M	16.6M
5300MHz	Pass	Inf	21.45M	16.648M	21.33M	16.576M
5320MHz	Pass	Inf	21.48M	16.6M	21.3M	16.6M
5500MHz	Pass	Inf	21.39M	16.6M	21.33M	16.6M
5580MHz	Pass	Inf	21.42M	16.624M	21.3M	16.6M
5700MHz	Pass	Inf	21.54M	16.624M	21.36M	16.552M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.538M	13.358M	15.524M	13.345M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.853M	3.12M	3.823M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.81M	17.751M	21.48M	17.703M
5300MHz	Pass	Inf	21.9M	17.799M	21.42M	17.727M
5320MHz	Pass	Inf	21.78M	17.775M	21.6M	17.727M
5500MHz	Pass	Inf	21.69M	17.799M	21.54M	17.727M
5580MHz	Pass	Inf	21.75M	17.775M	21.6M	17.775M
5700MHz	Pass	Inf	21.75M	17.775M	21.45M	17.727M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.84M	13.963M	15.648M	13.894M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.735M	4.153M	3.735M	4.213M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.2M	36.222M	39.48M	36.27M
5310MHz	Pass	Inf	40.08M	36.27M	39.54M	36.222M
5510MHz	Pass	Inf	40.2M	36.222M	39.54M	36.174M
5550MHz	Pass	Inf	40.26M	36.27M	39.54M	36.222M
5670MHz	Pass	Inf	40.02M	36.222M	39.42M	36.222M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.201M	33.058M	34.83M	33.025M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.448M	3.12M	3.433M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.75M	17.799M	21.63M	17.727M
5300MHz	Pass	Inf	21.78M	17.775M	21.6M	17.799M
5320MHz	Pass	Inf	21.78M	17.775M	21.6M	17.751M
5500MHz	Pass	Inf	21.78M	17.751M	21.57M	17.751M
5580MHz	Pass	Inf	21.69M	17.727M	21.57M	17.799M
5700MHz	Pass	Inf	21.75M	17.799M	21.54M	17.751M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.744M	13.922M	15.73M	13.949M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.75M	4.228M	3.75M	4.213M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.32M	36.318M	39.84M	36.318M
5310MHz	Pass	Inf	40.32M	36.222M	39.72M	36.27M
5510MHz	Pass	Inf	40.26M	36.27M	39.96M	36.318M
5550MHz	Pass	Inf	40.38M	36.222M	39.9M	36.174M
5670MHz	Pass	Inf	40.2M	36.27M	39.96M	36.222M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.269M	32.991M	34.864M	32.957M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.463M	3.12M	3.493M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-

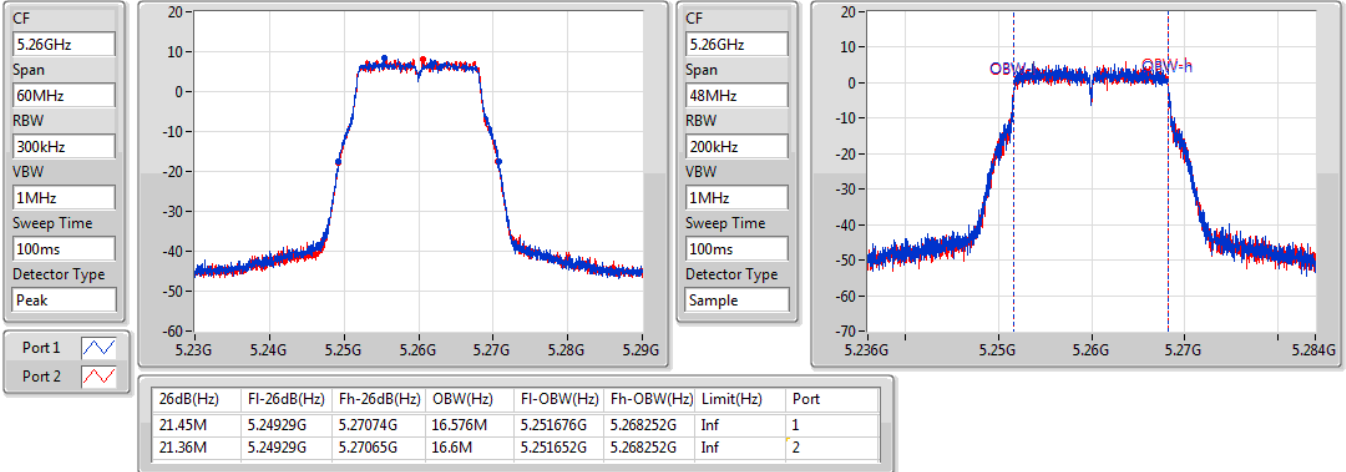
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5290MHz	Pass	Inf	82.08M	75.706M	81.24M	75.706M
5530MHz	Pass	Inf	82.2M	75.802M	81.48M	75.802M
5610MHz	Pass	Inf	81.84M	75.61M	81.72M	75.802M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.036M	72.534M	75.594M	72.534M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.09M	3.598M	3.105M	3.523M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.66M	18.975M	21.51M	18.975M
5300MHz	Pass	Inf	21.69M	18.951M	21.57M	18.999M
5320MHz	Pass	Inf	21.69M	18.975M	21.69M	18.951M
5500MHz	Pass	Inf	21.66M	18.975M	21.69M	18.999M
5580MHz	Pass	Inf	21.57M	18.975M	21.57M	18.975M
5700MHz	Pass	Inf	21.69M	18.975M	21.57M	18.975M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.785M	14.54M	15.813M	14.472M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.425M	4.513M	4.455M	4.513M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	39.96M	37.469M	39.84M	37.565M
5310MHz	Pass	Inf	40.08M	37.565M	39.84M	37.517M
5510MHz	Pass	Inf	40.08M	37.565M	39.9M	37.613M
5550MHz	Pass	Inf	40.02M	37.517M	39.9M	37.565M
5670MHz	Pass	Inf	40.14M	37.517M	39.9M	37.565M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.033M	33.733M	34.898M	33.632M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.69M	4.003M	3.525M	4.003M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.96M	77.049M	81.6M	76.858M
5530MHz	Pass	Inf	82.08M	76.954M	81.72M	77.145M
5610MHz	Pass	Inf	81.96M	77.145M	81.84M	77.145M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.963M	73.123M	75.815M	73.197M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.51M	4.048M	3.495M	4.033M

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

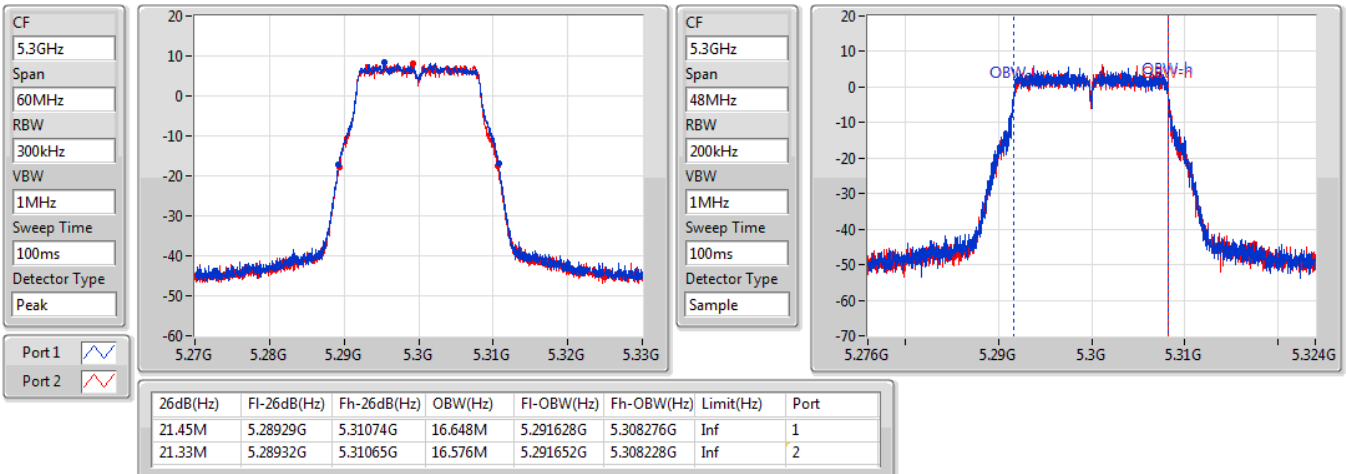
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

15/07/2020

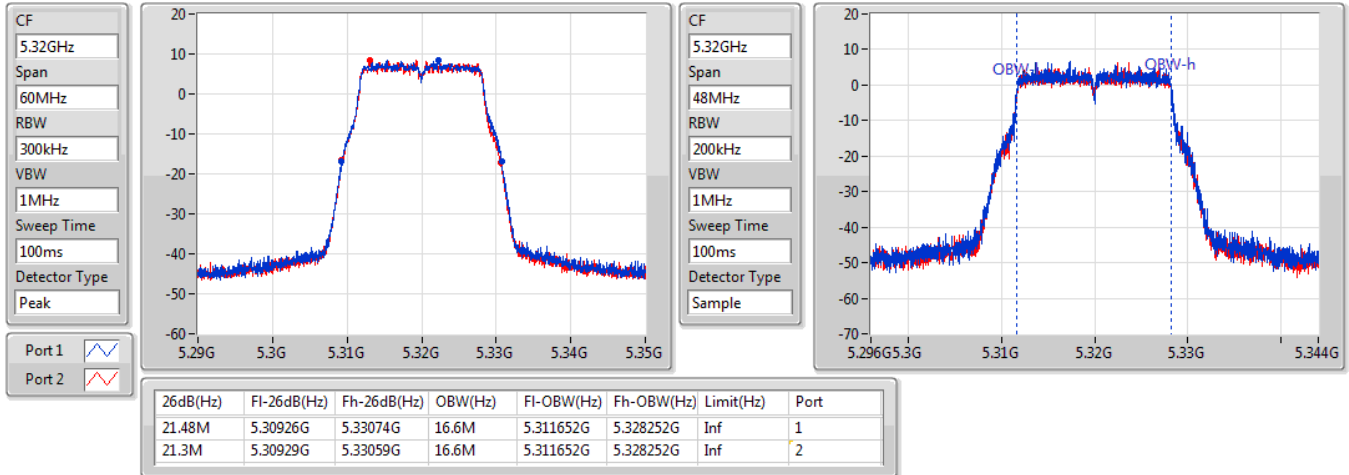

802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

15/07/2020

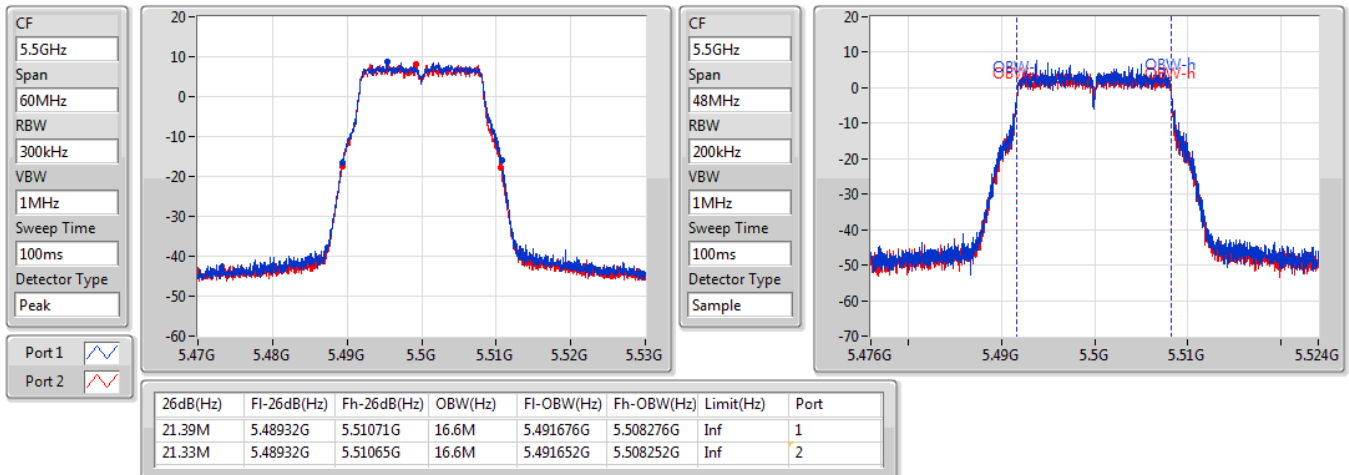


802.11a_Nss1,(6Mbps)_2TX
EBW
5320MHz

15/07/2020


802.11a_Nss1,(6Mbps)_2TX
EBW
5500MHz

15/07/2020

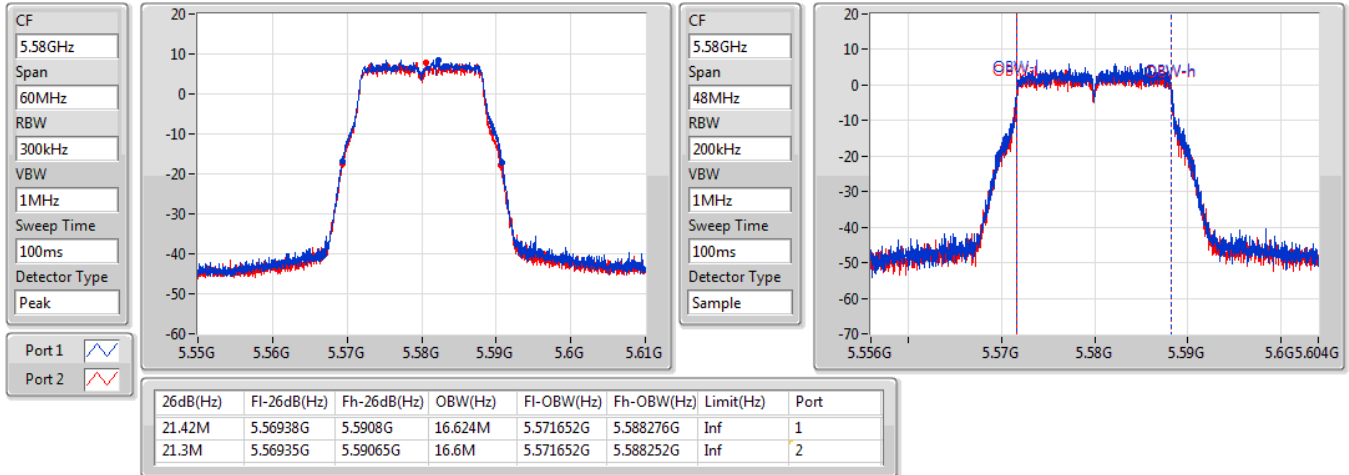


802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

15/07/2020

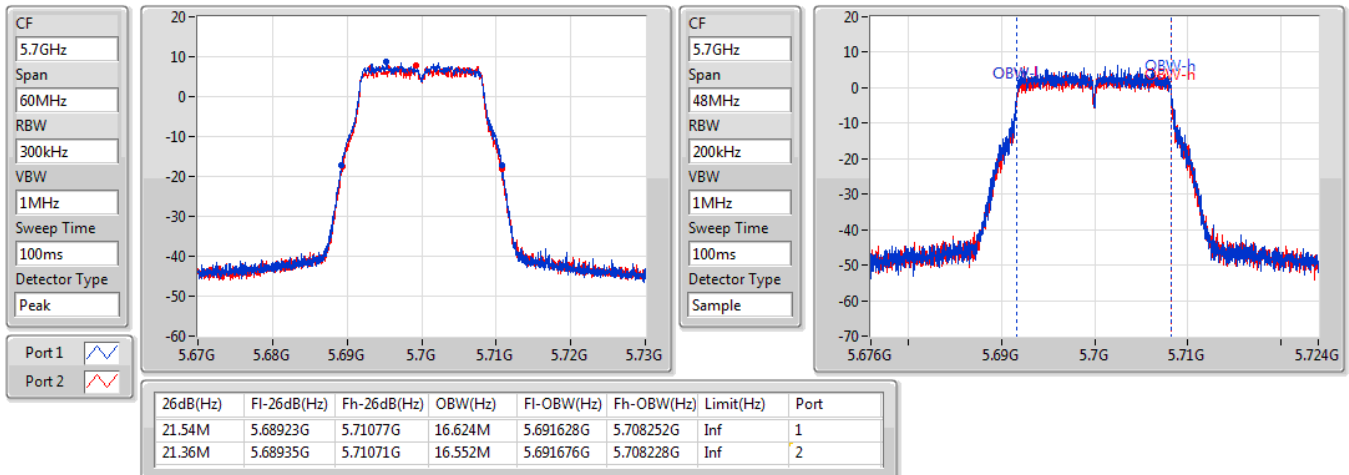


802.11a_Nss1,(6Mbps)_2TX

EBW

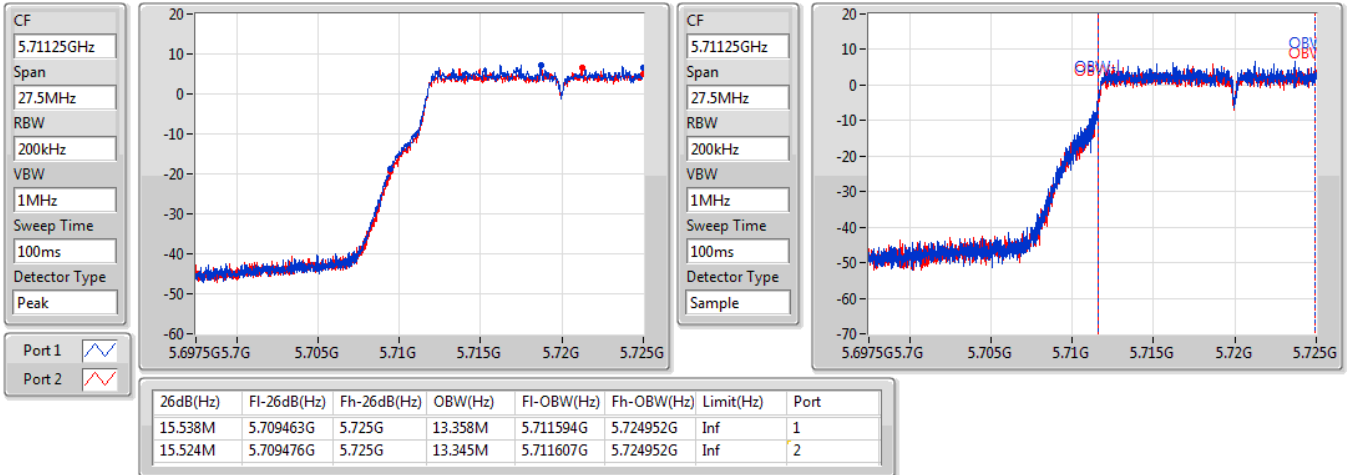
5700MHz

15/07/2020

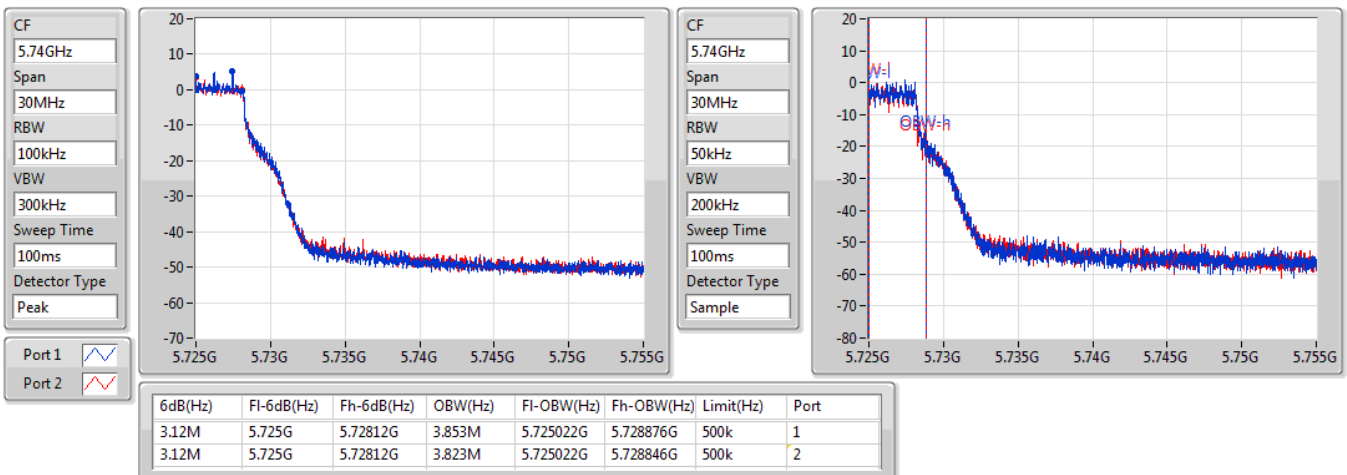


802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

15/07/2020

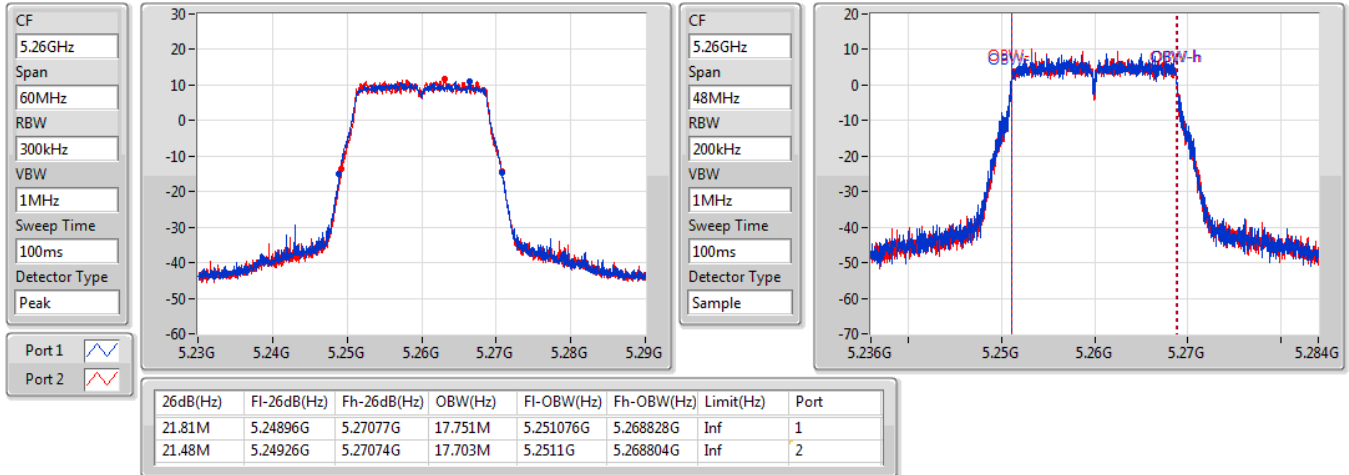

802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

15/07/2020

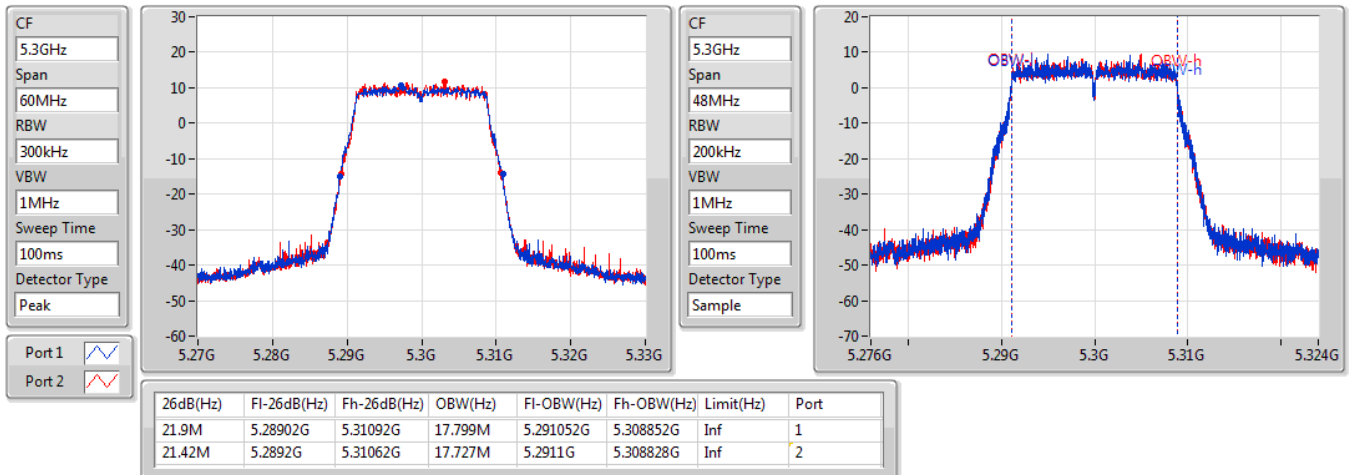


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5260MHz

22/07/2020


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5300MHz

22/07/2020

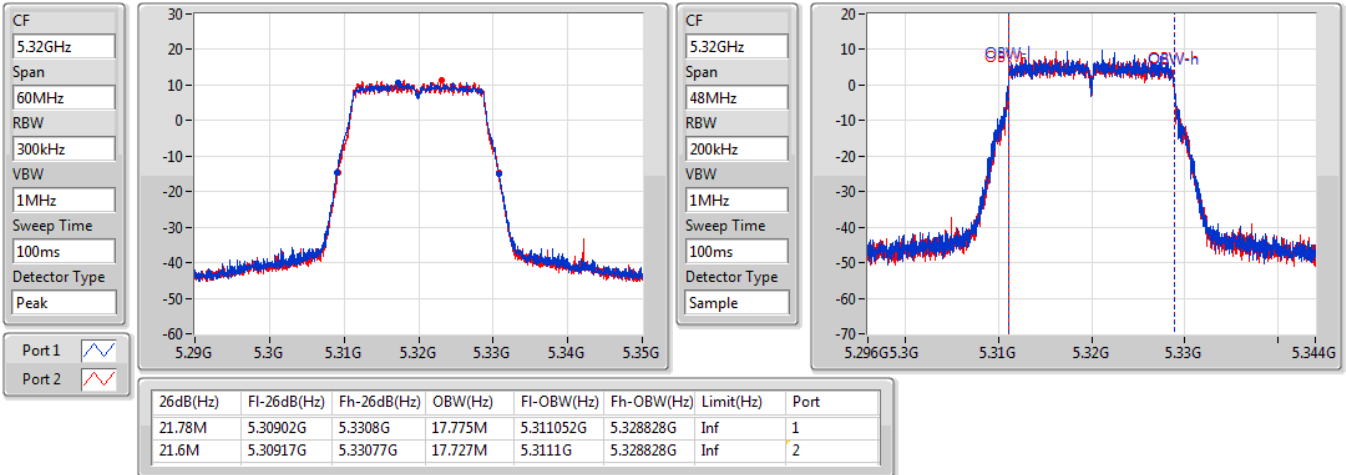


802.11n HT20_Nss1,(MCS0)_2TX

EBW

5320MHz

22/07/2020

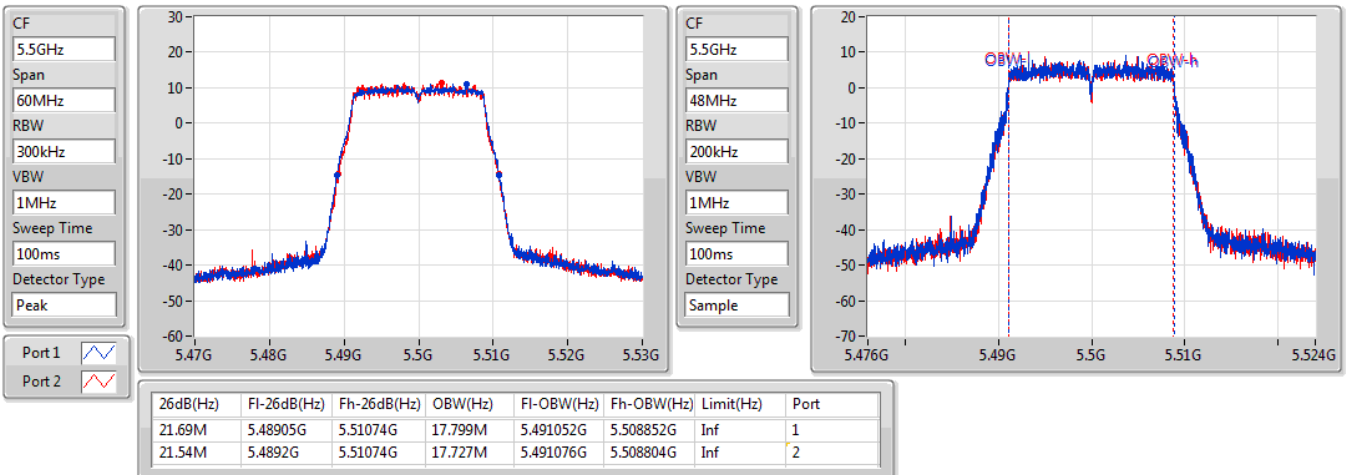


802.11n HT20_Nss1,(MCS0)_2TX

EBW

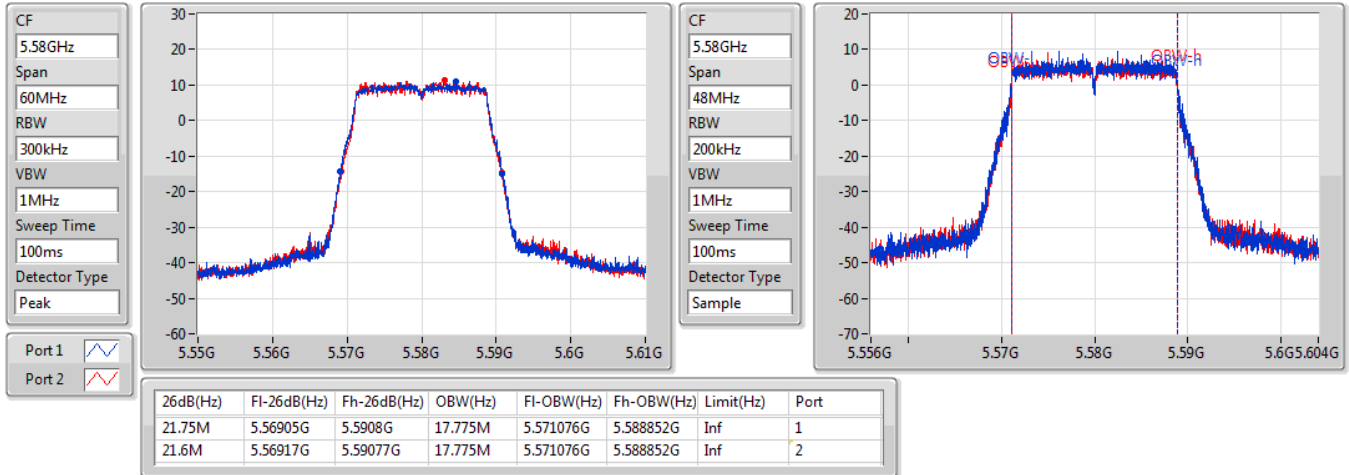
5500MHz

22/07/2020

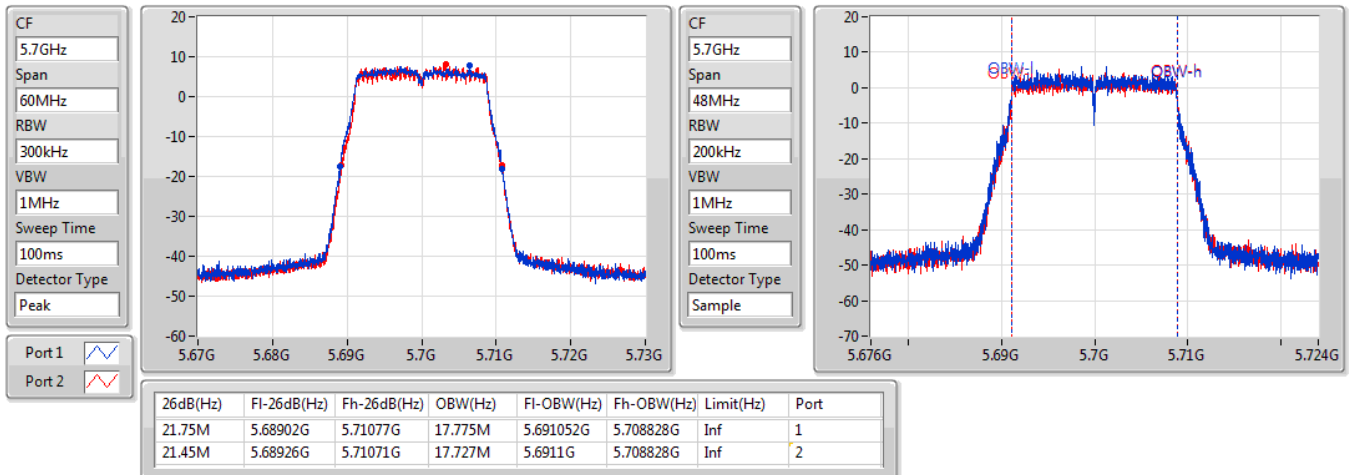


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5580MHz

22/07/2020

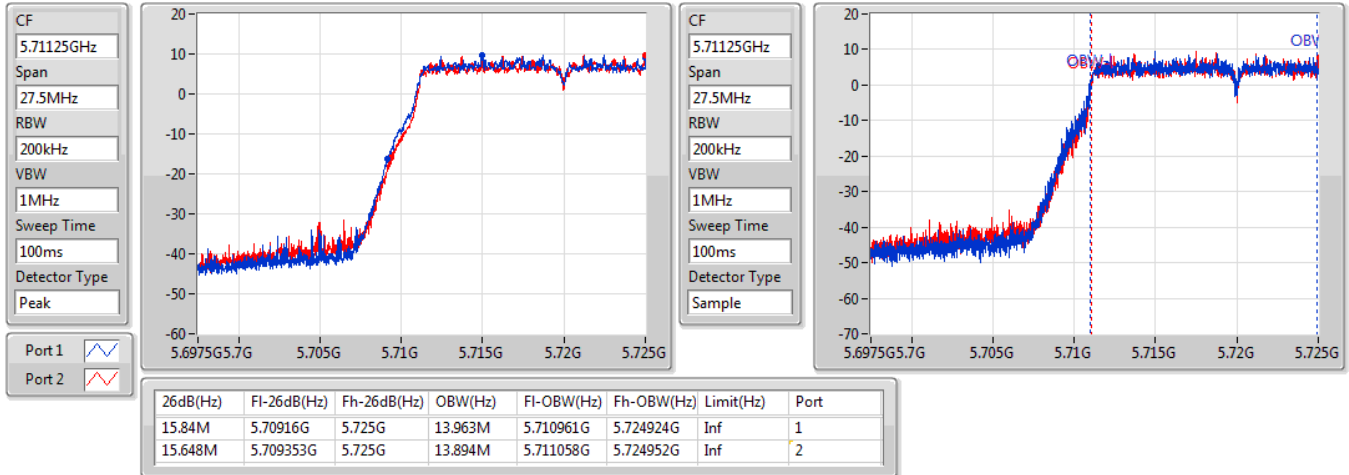

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5700MHz

22/07/2020

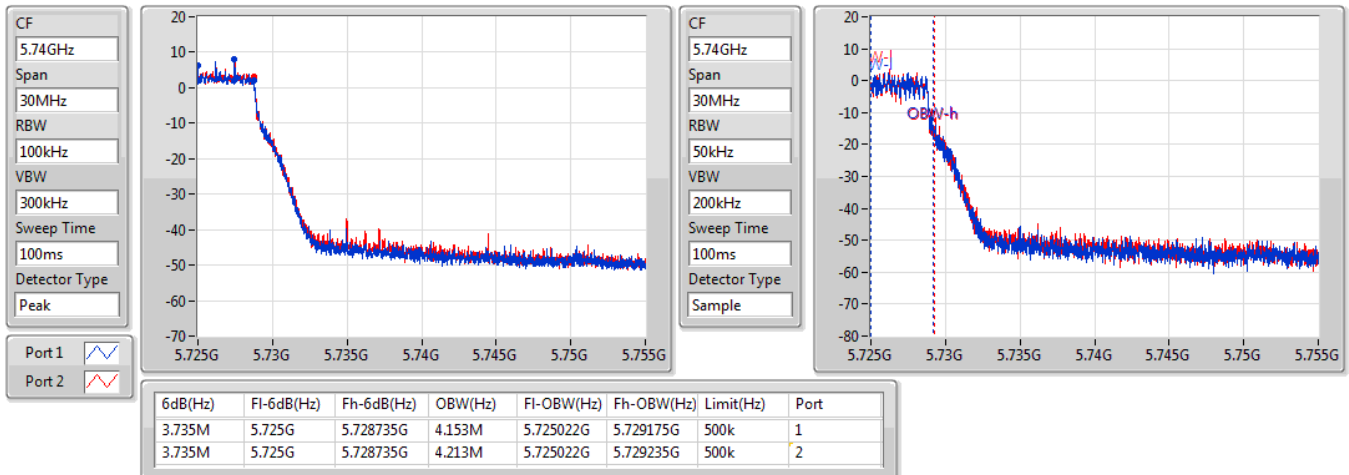


802.11n HT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

22/07/2020

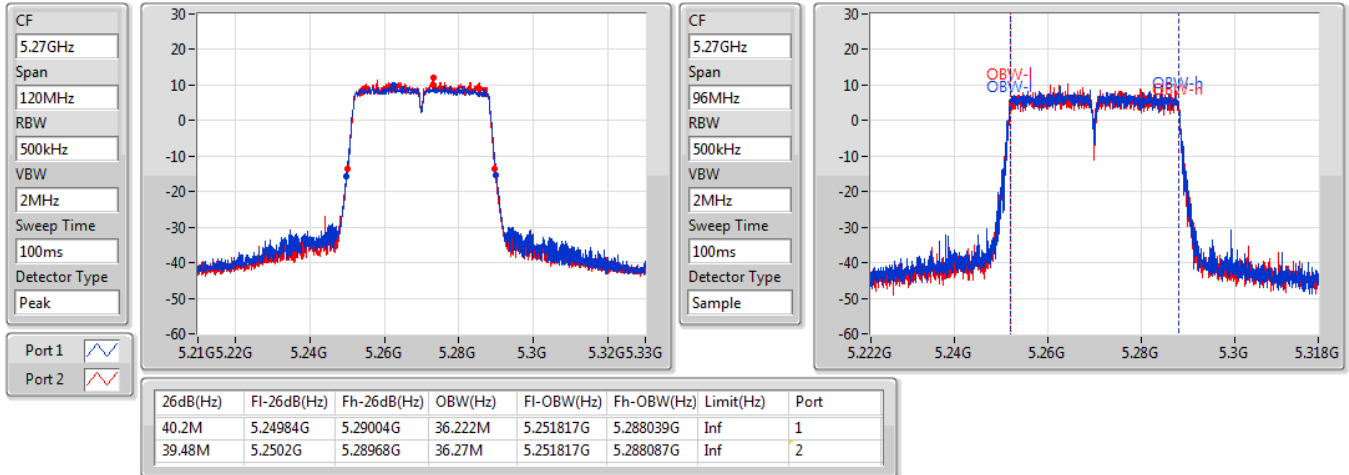

802.11n HT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

22/07/2020

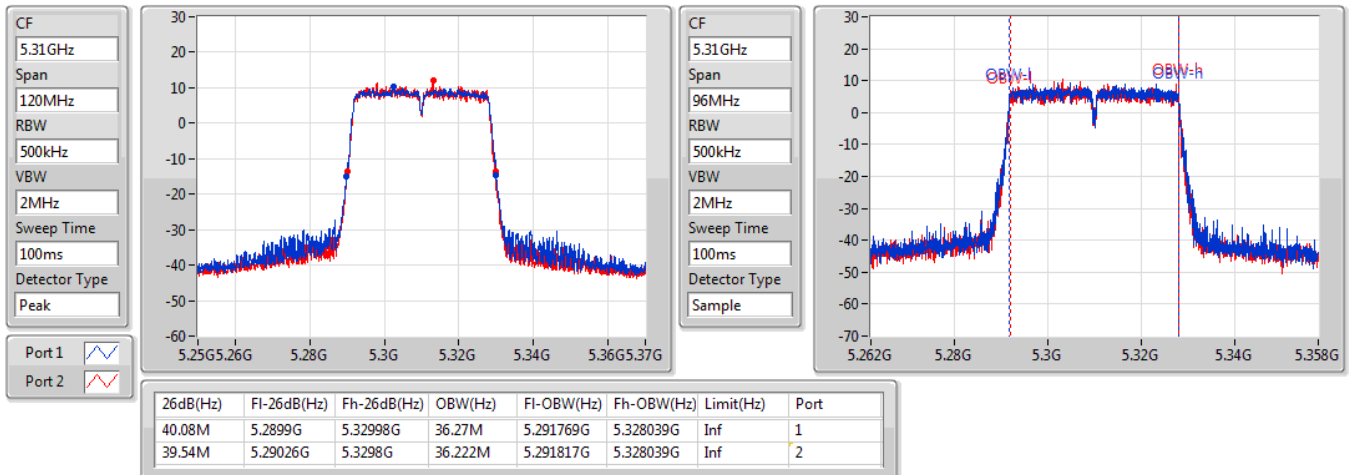


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5270MHz

22/07/2020


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5310MHz

22/07/2020

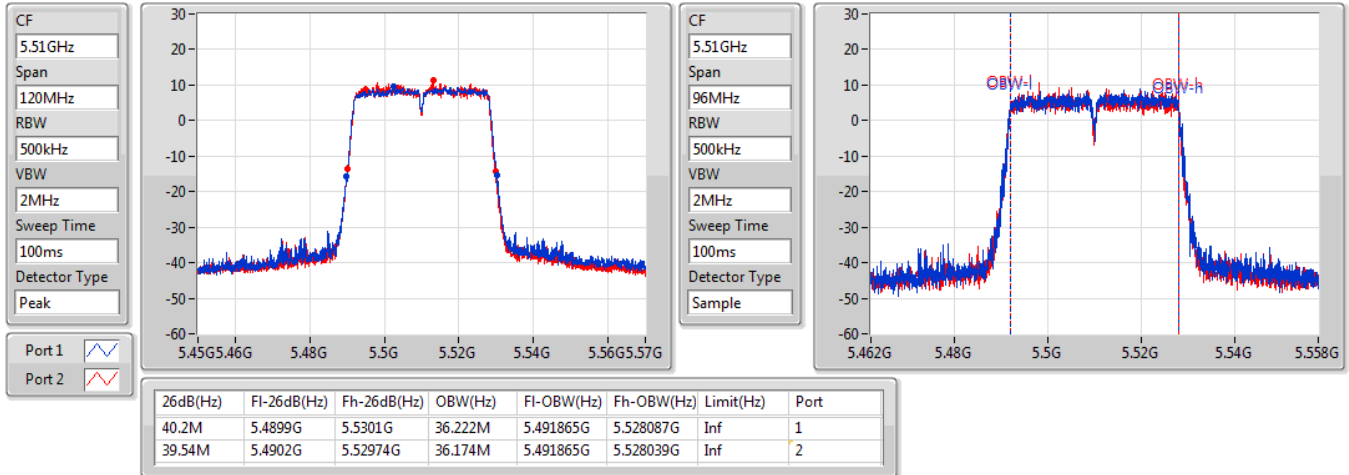


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5510MHz

22/07/2020

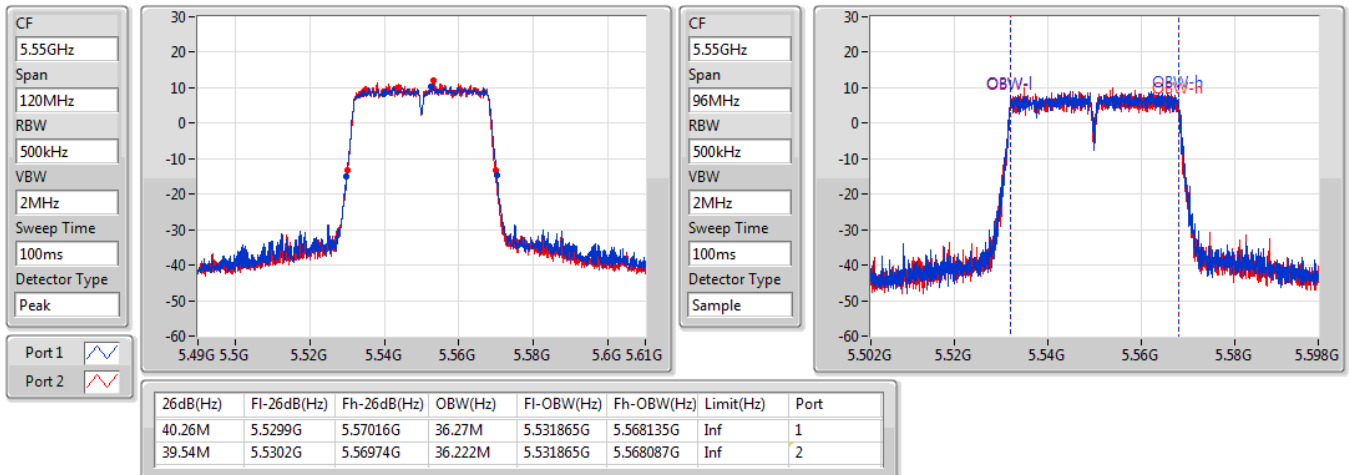


802.11n HT40_Nss1,(MCS0)_2TX

EBW

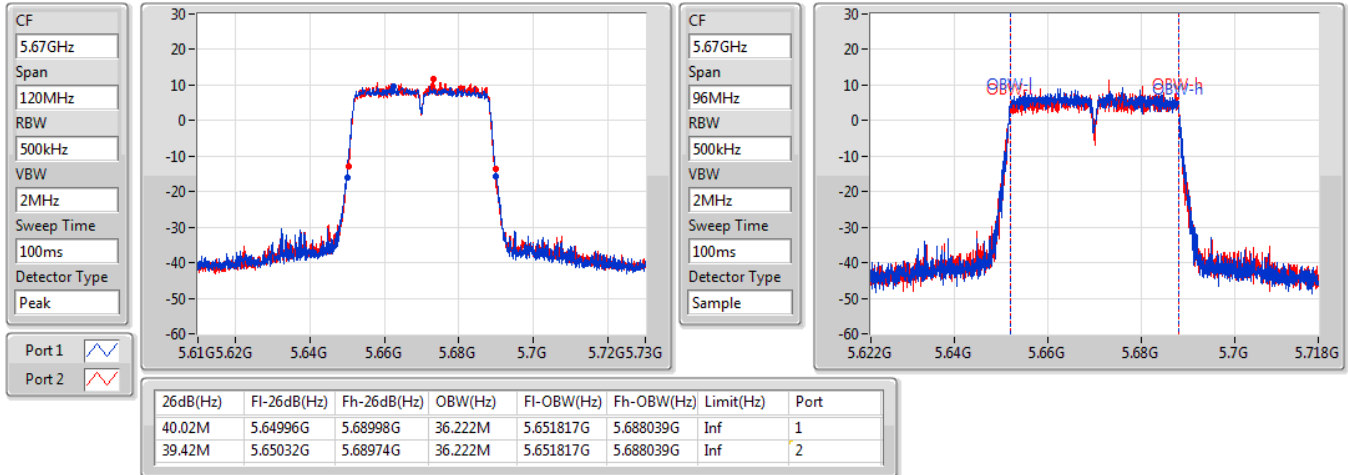
5550MHz

22/07/2020

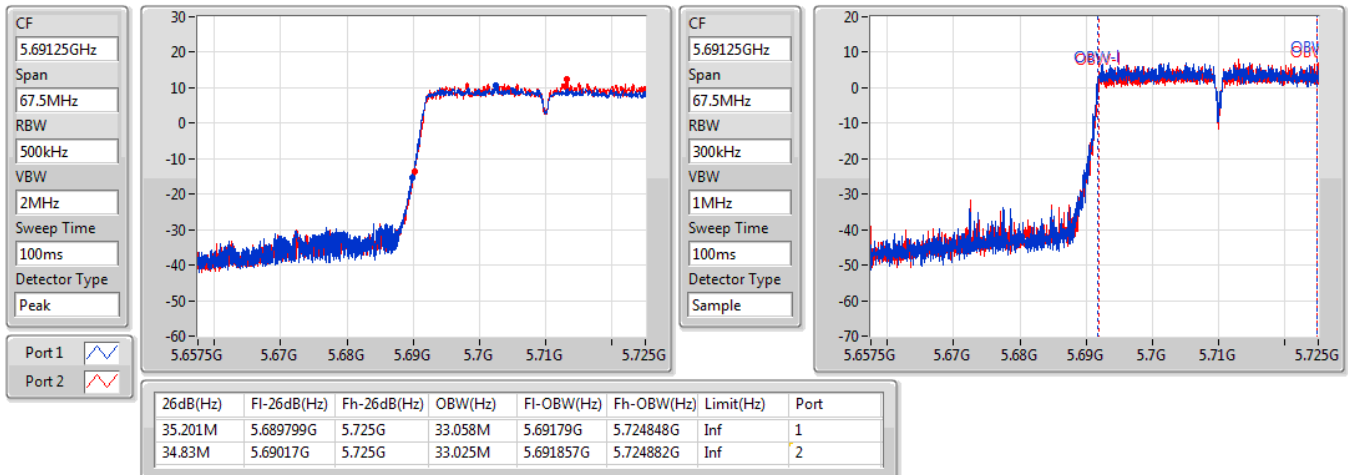


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5670MHz

22/07/2020

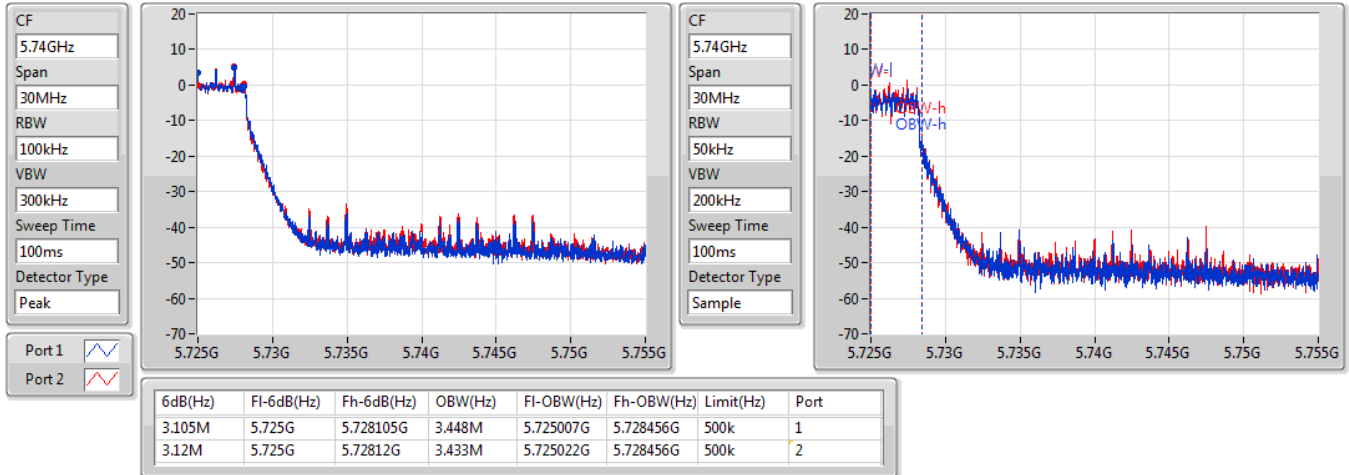

802.11n HT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

22/07/2020

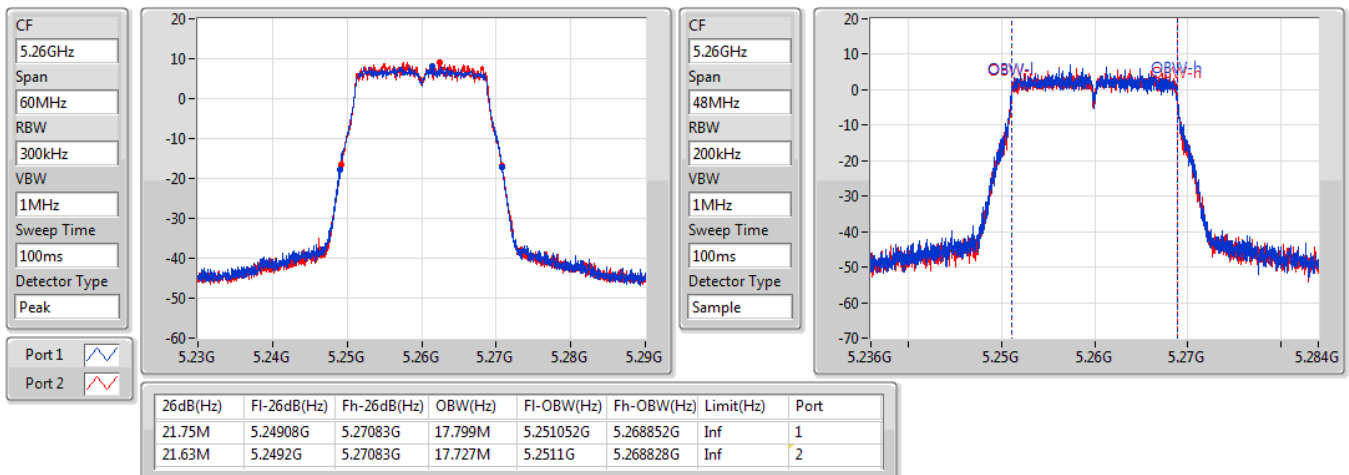


802.11n HT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

22/07/2020

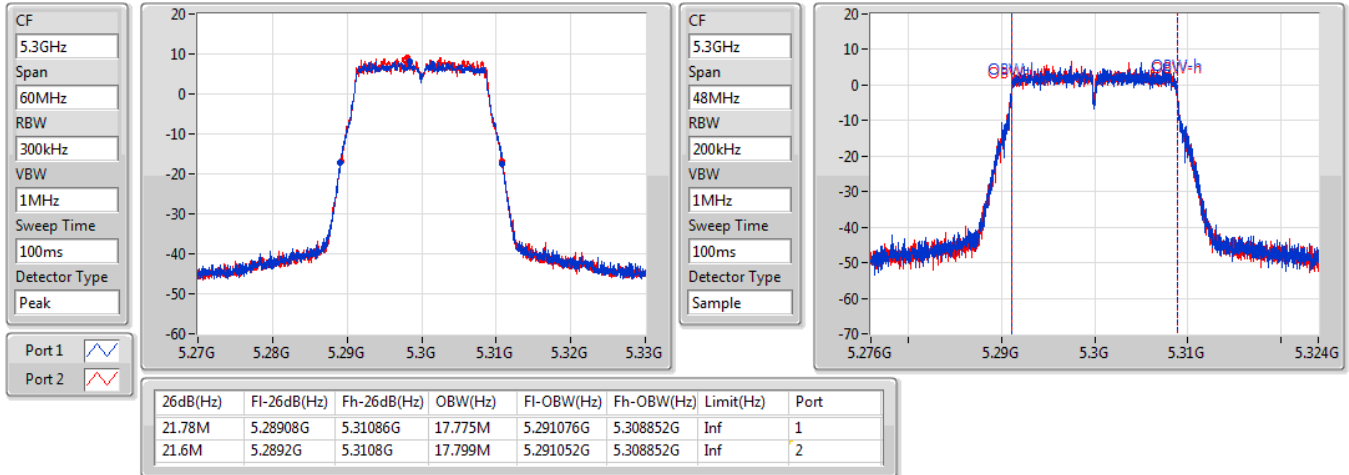

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5260MHz

16/07/2020

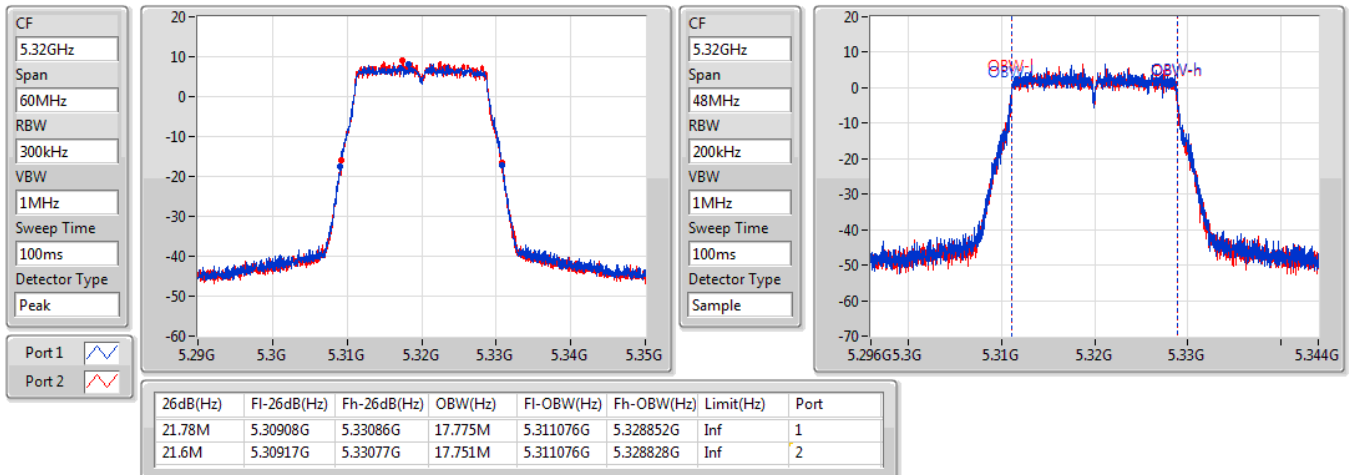


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

16/07/2020

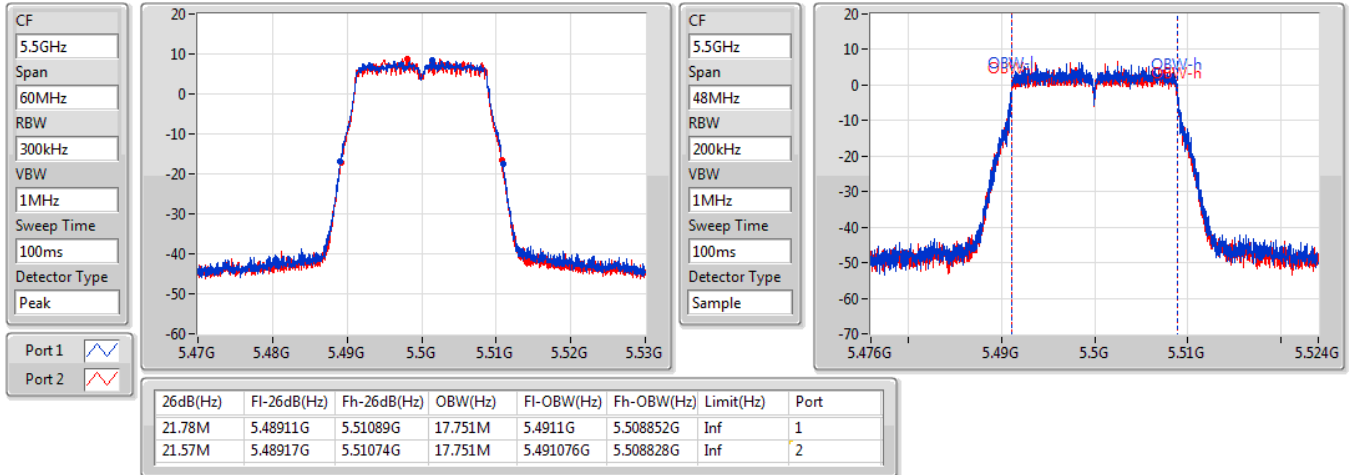

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5320MHz

16/07/2020

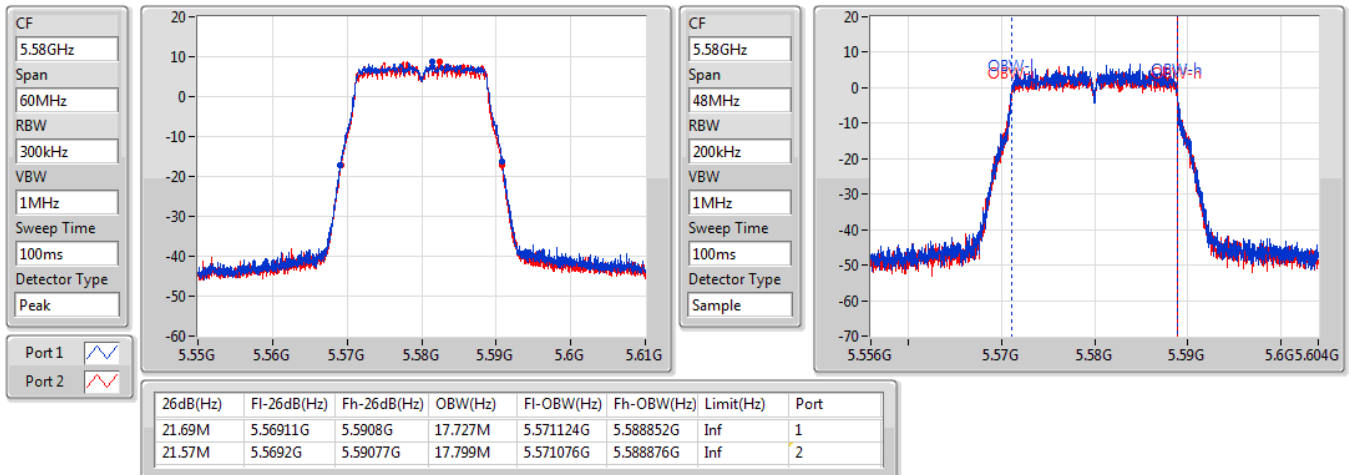


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

16/07/2020

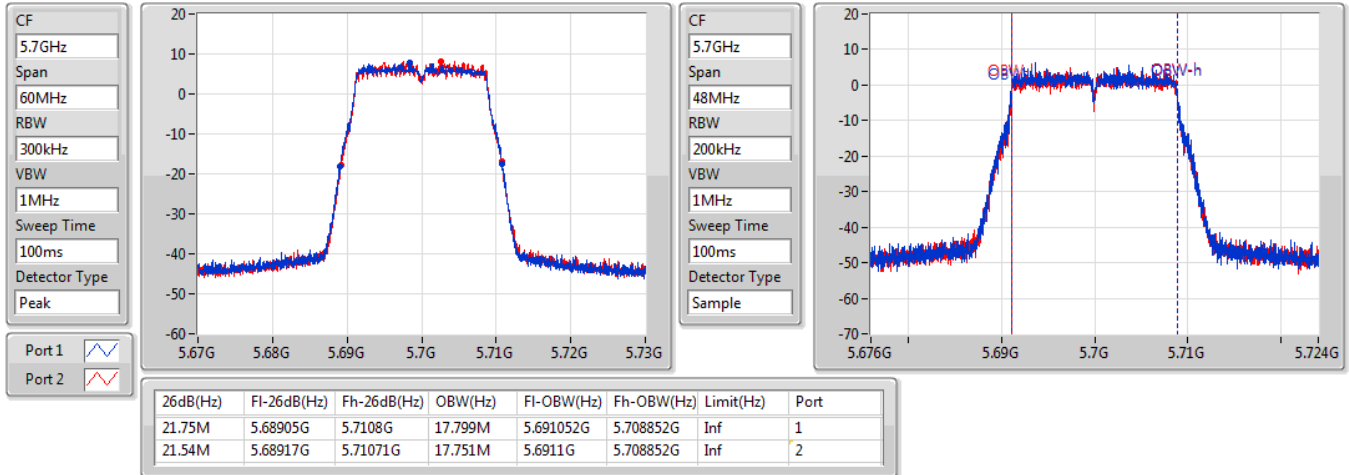

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5580MHz

16/07/2020

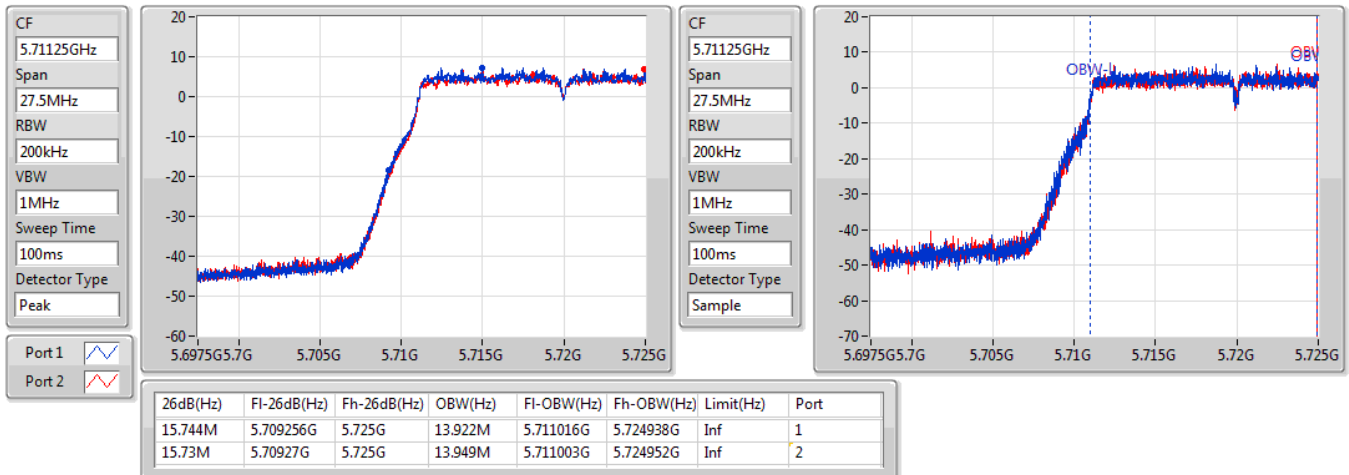


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5700MHz

16/07/2020

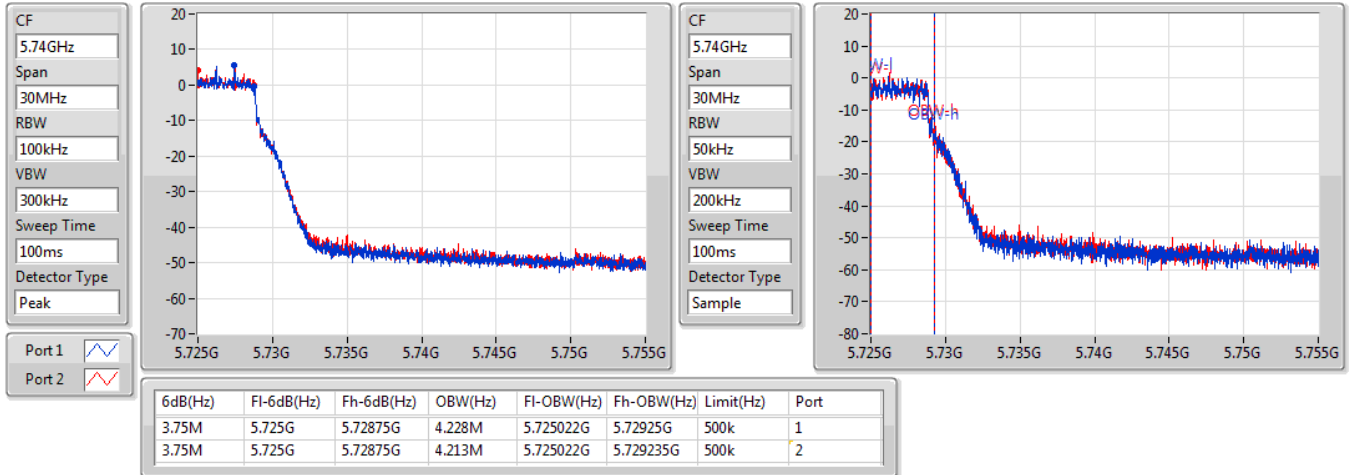

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

16/07/2020

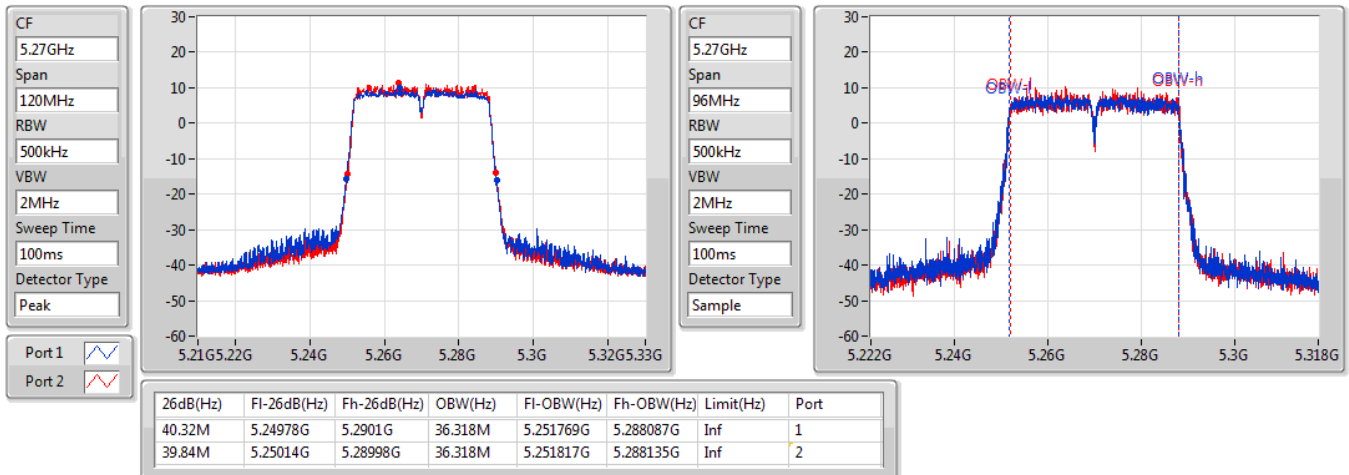


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

16/07/2020

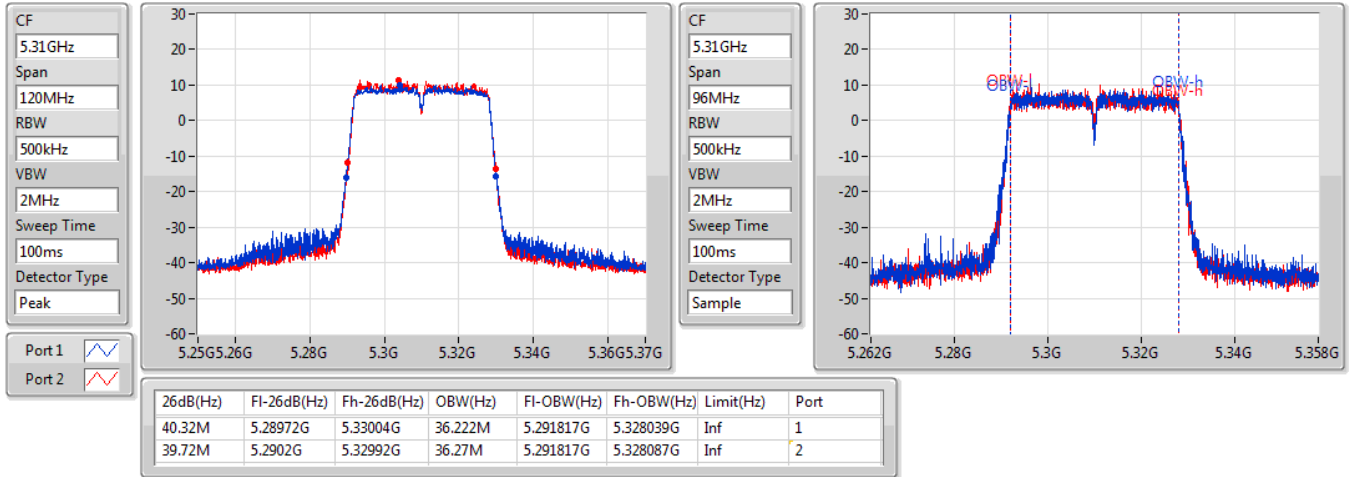

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5270MHz

16/07/2020

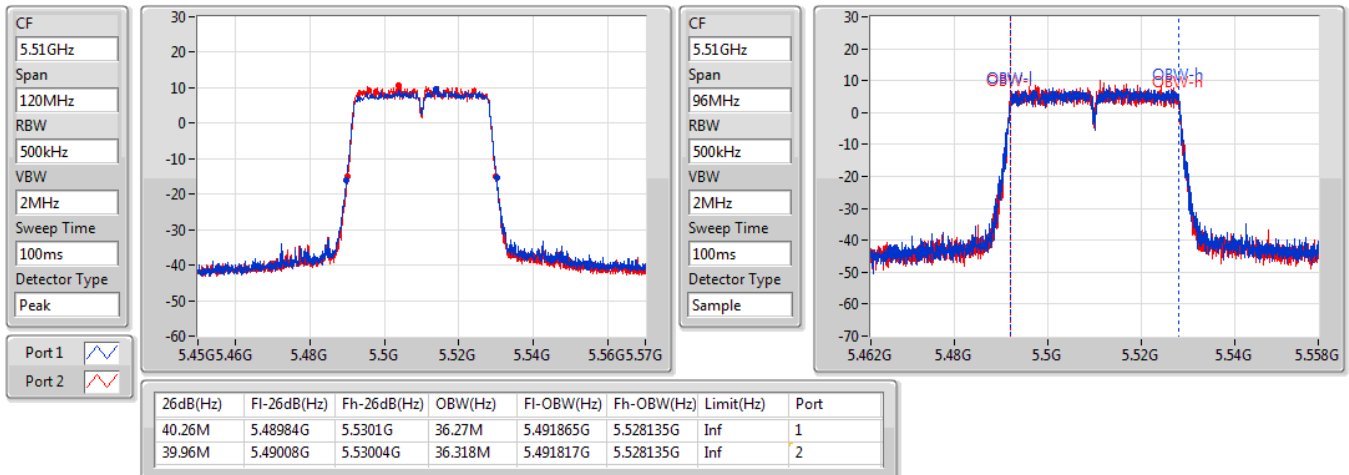


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5310MHz

16/07/2020

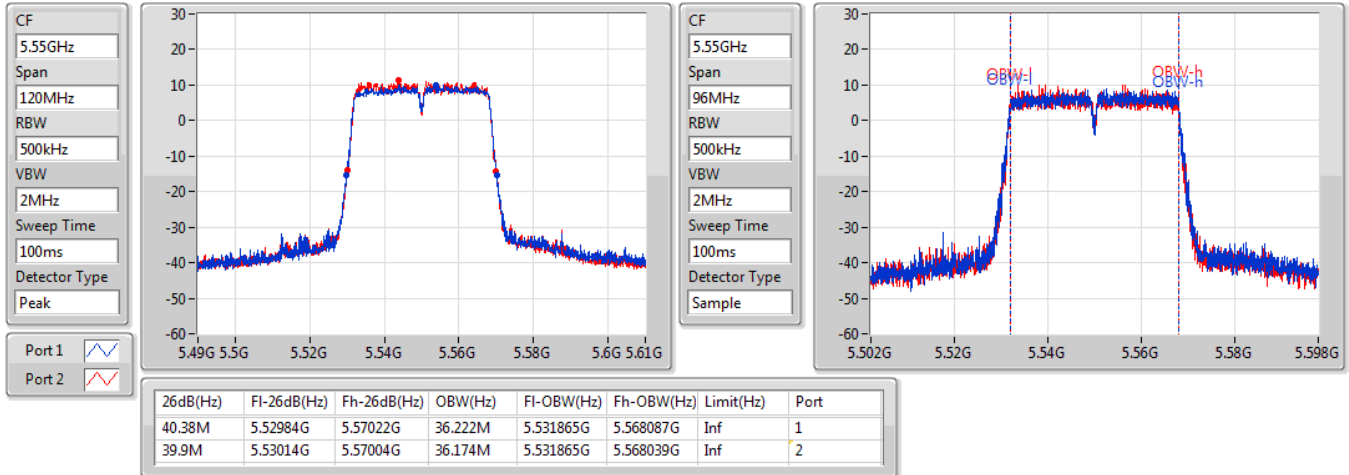

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5510MHz

16/07/2020

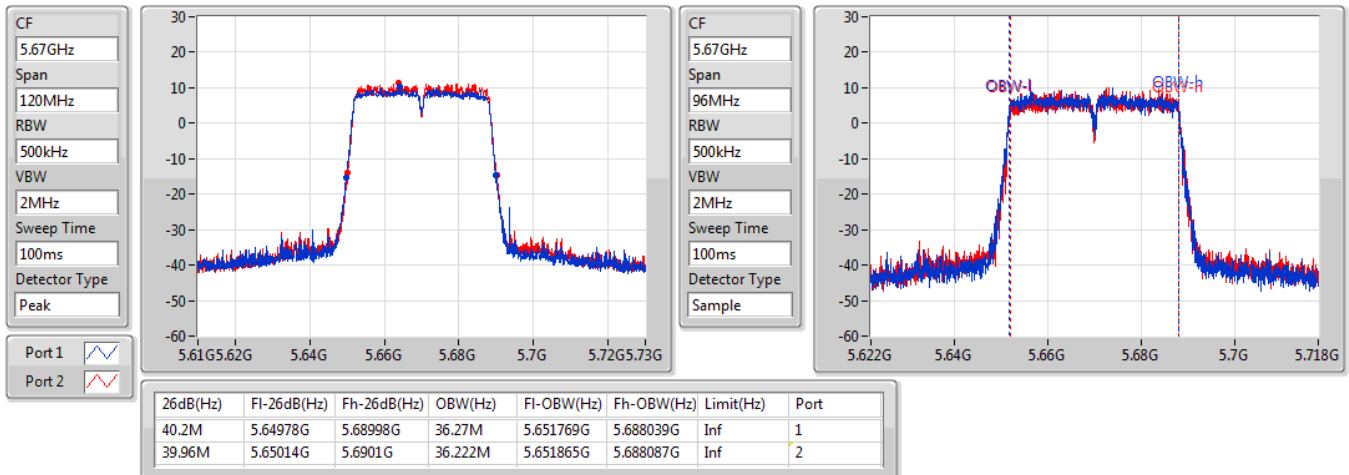


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5550MHz

16/07/2020

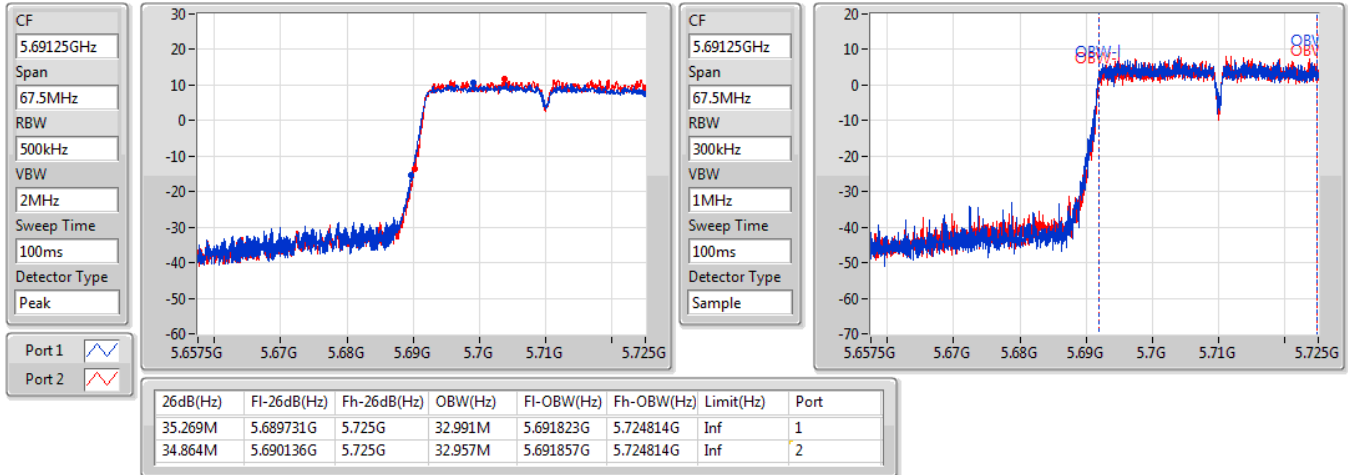

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5670MHz

16/07/2020

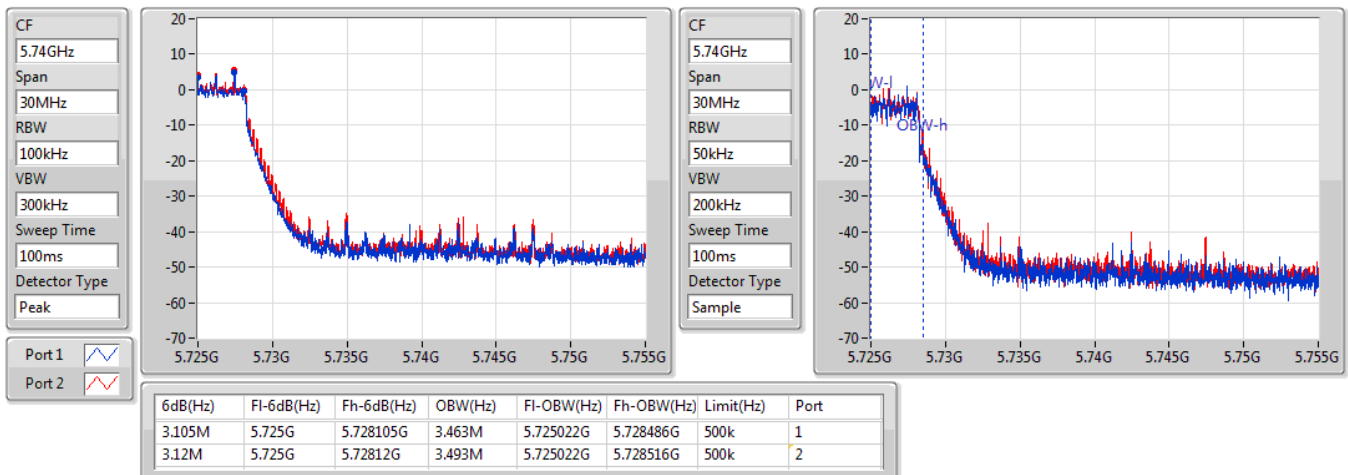


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

16/07/2020

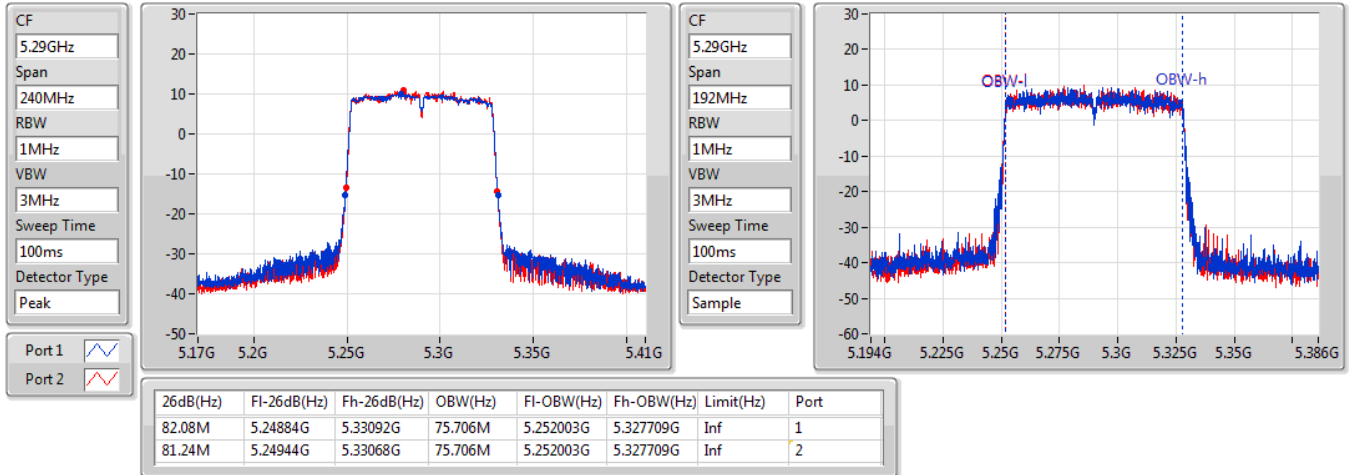

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

16/07/2020

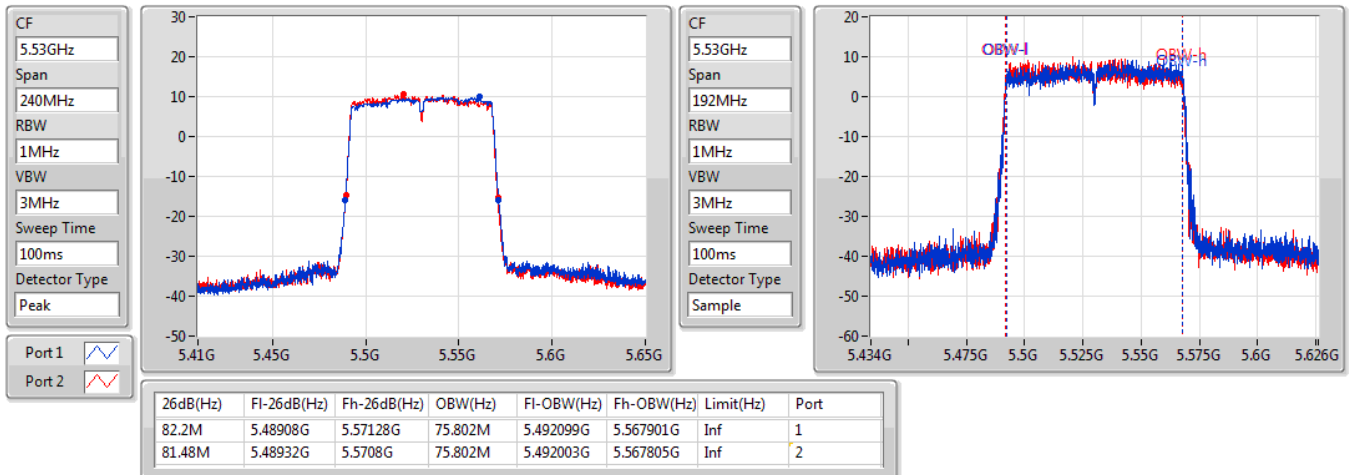


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5290MHz

16/07/2020

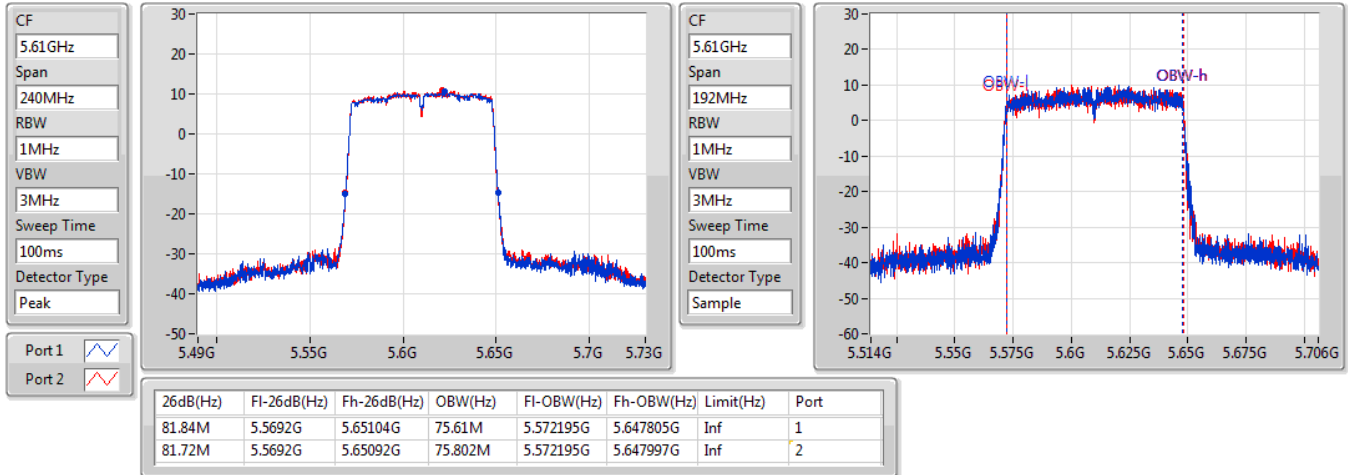

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5530MHz

16/07/2020

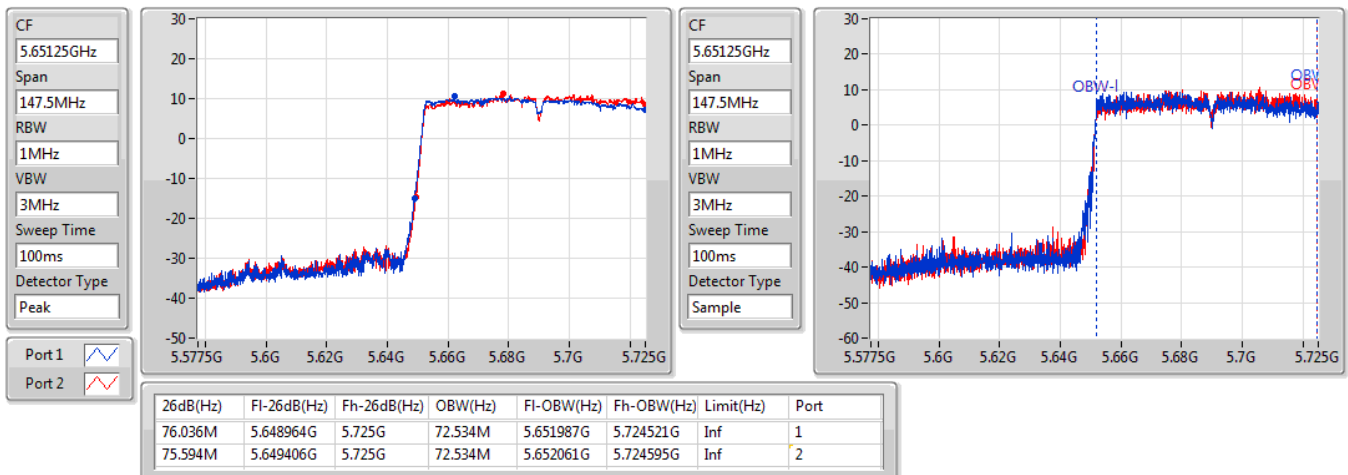


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5610MHz

16/07/2020

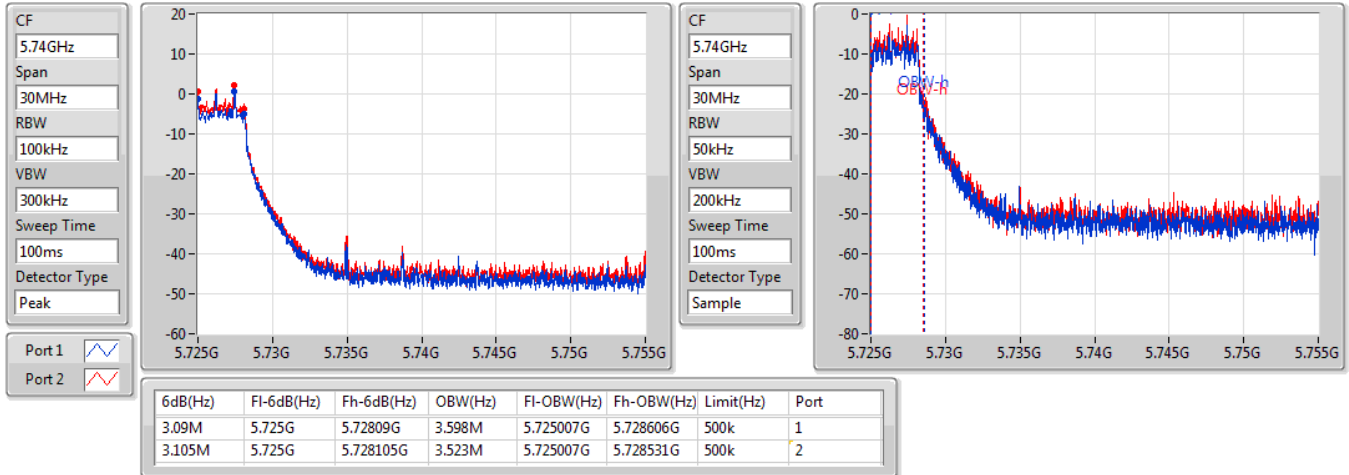

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

16/07/2020

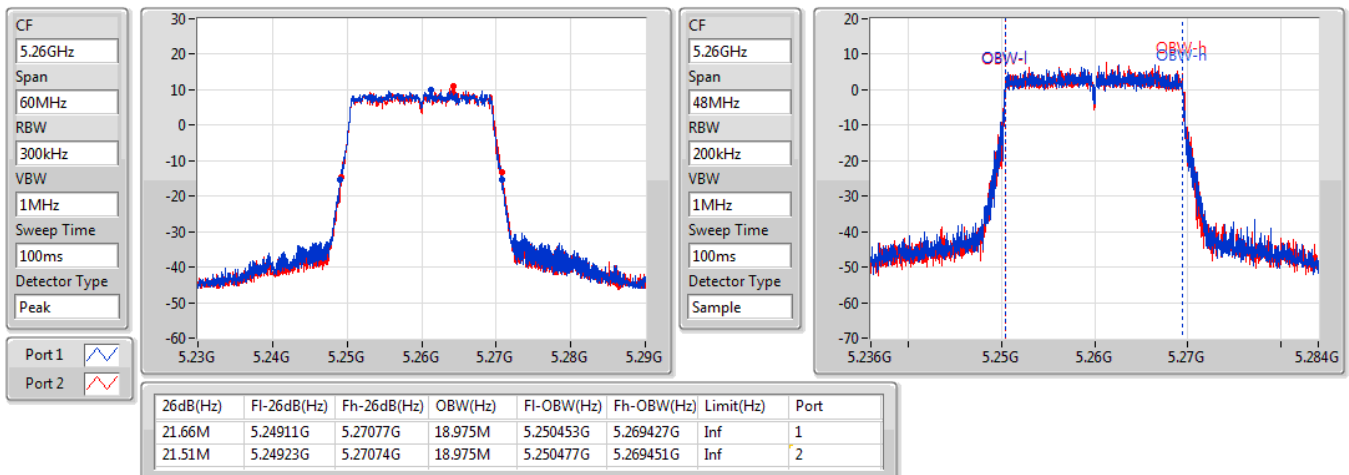


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

16/07/2020

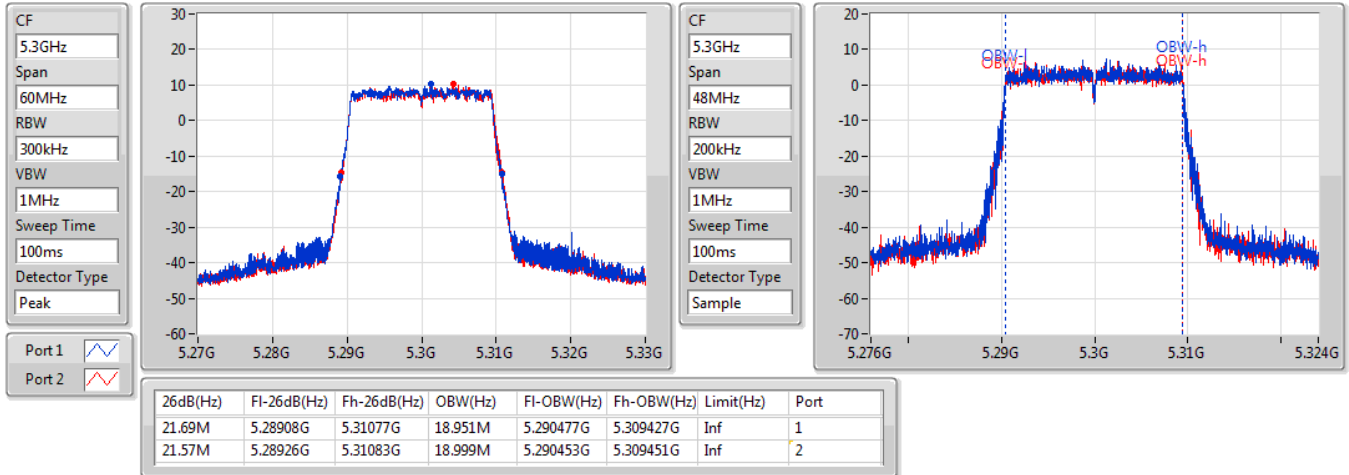

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5260MHz

15/07/2020

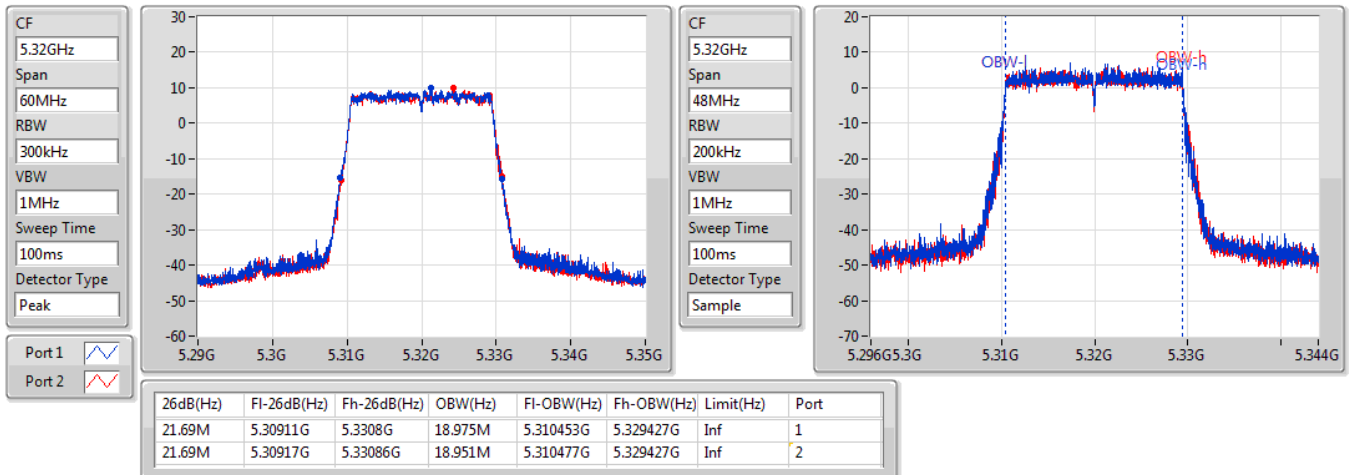


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5300MHz

15/07/2020

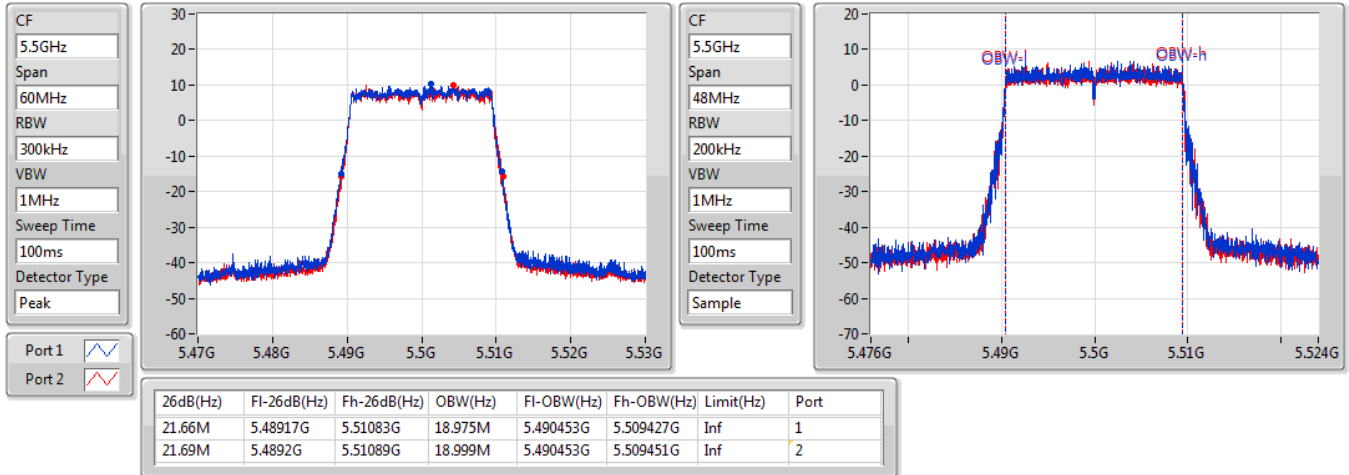

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5320MHz

15/07/2020

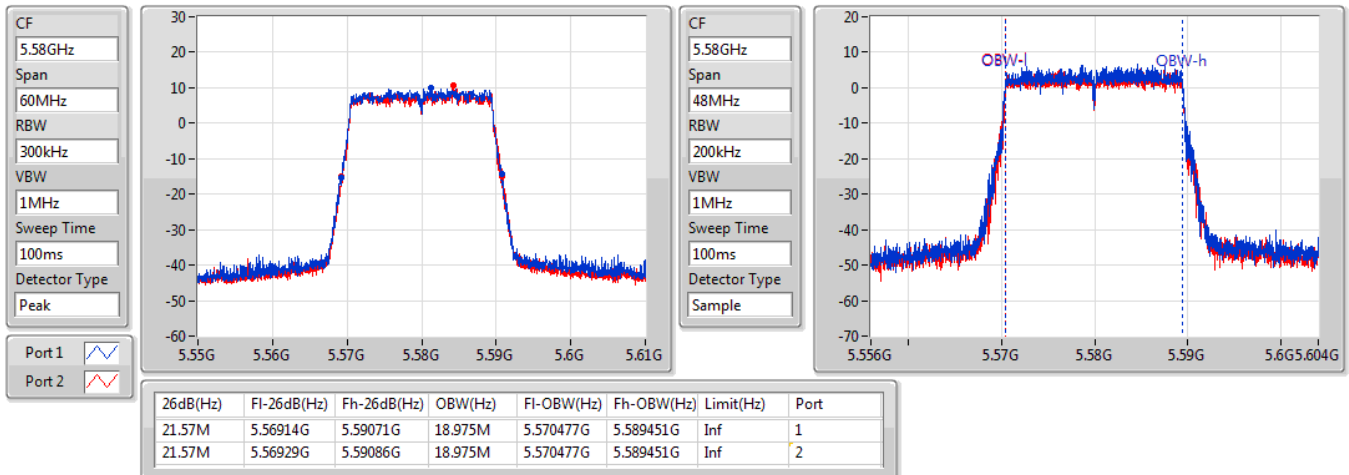


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5500MHz

16/07/2020

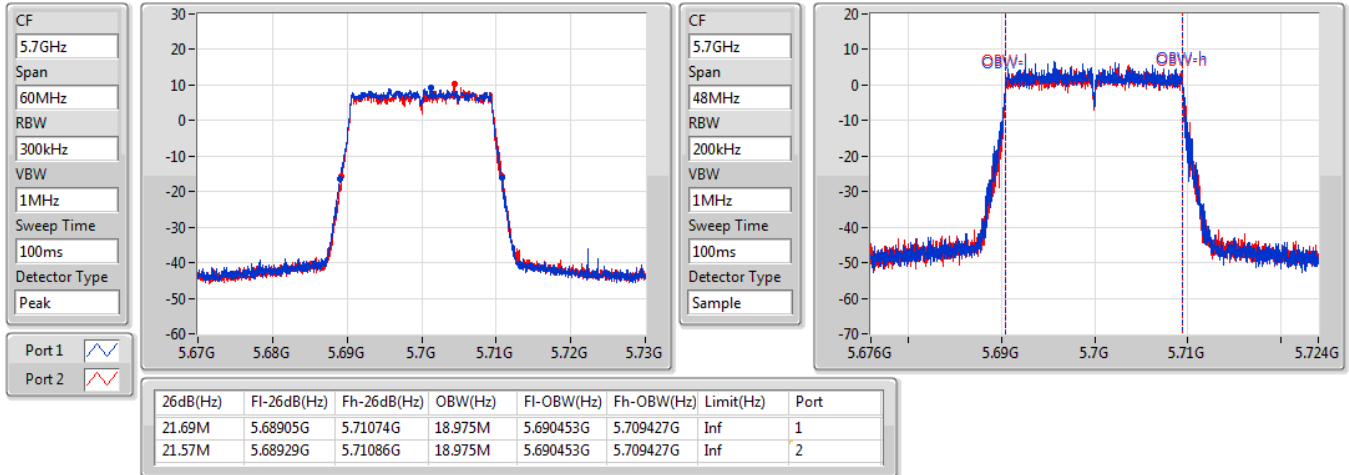

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5580MHz

16/07/2020

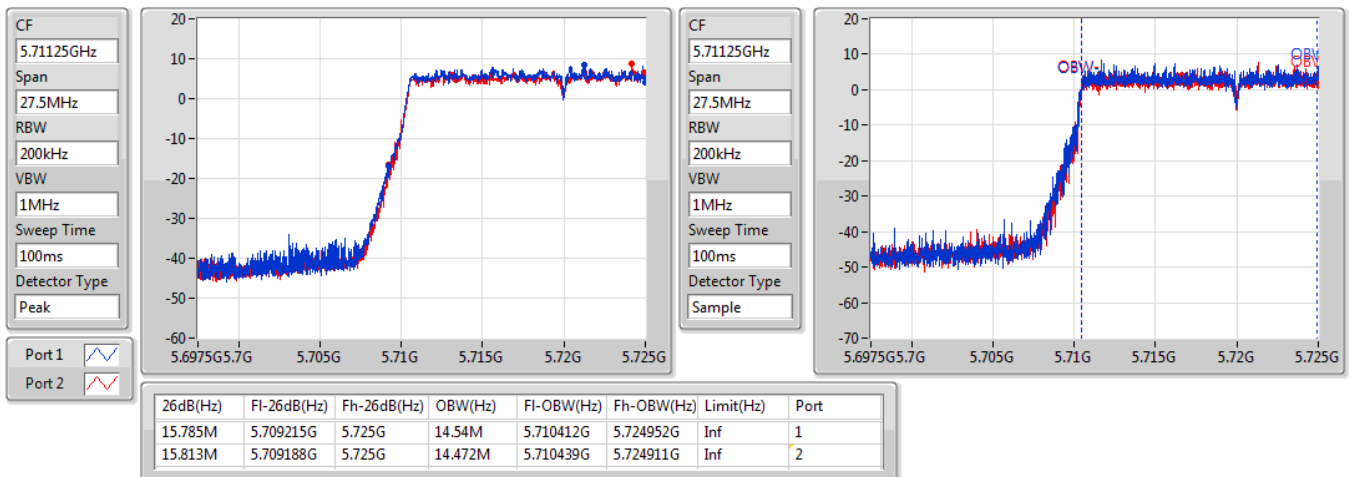


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5700MHz

16/07/2020

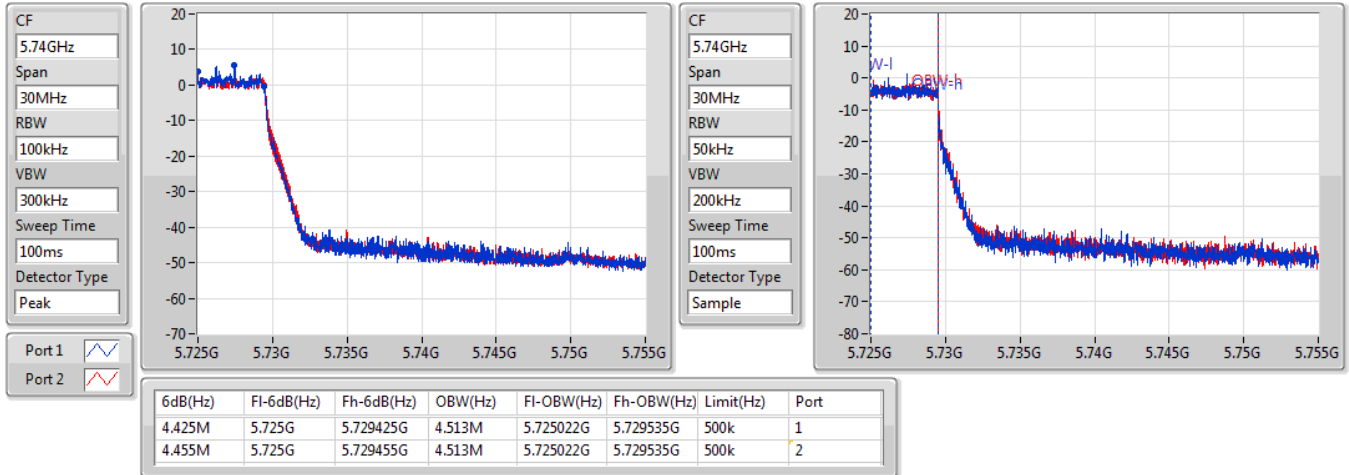

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

16/07/2020

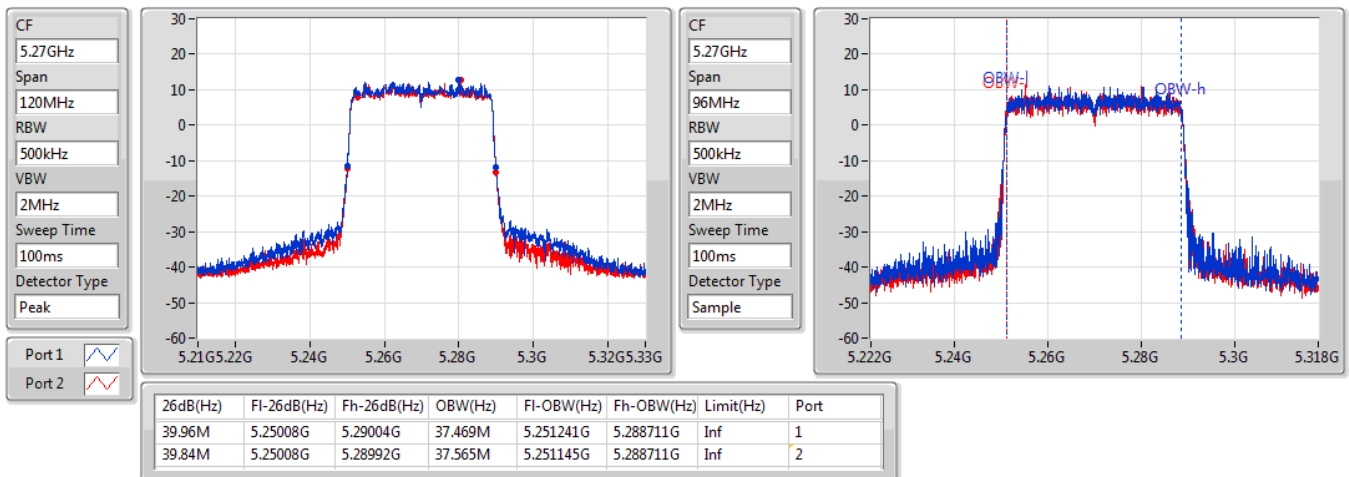


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

16/07/2020

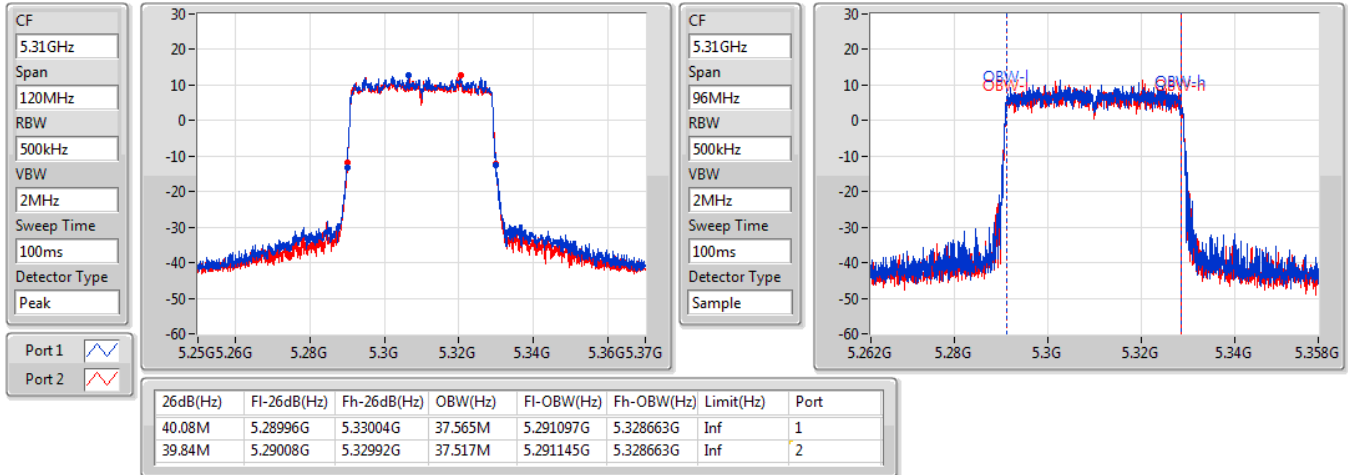

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5270MHz

16/07/2020

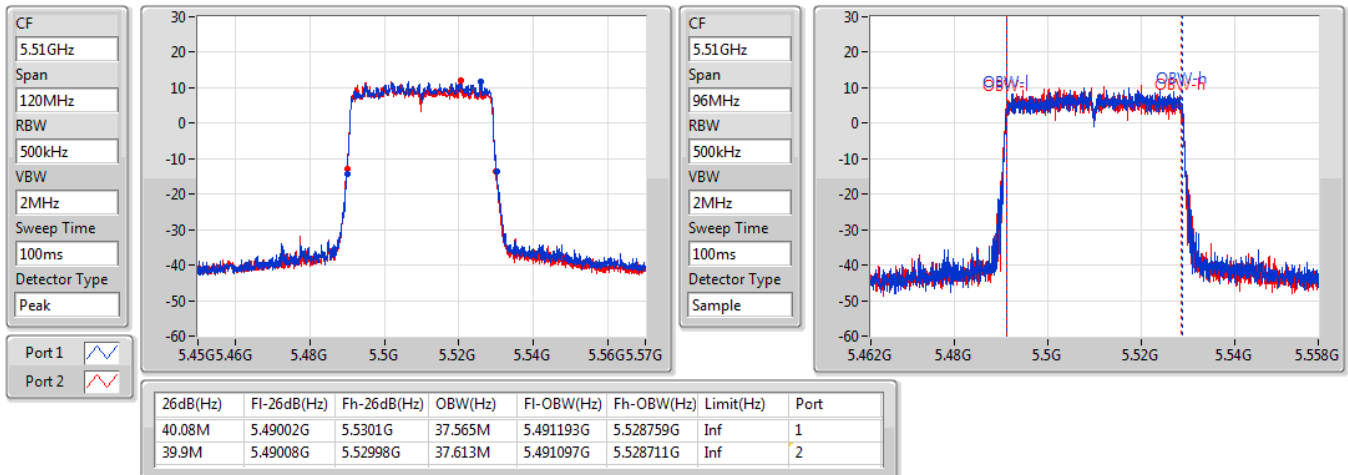


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5310MHz

16/07/2020

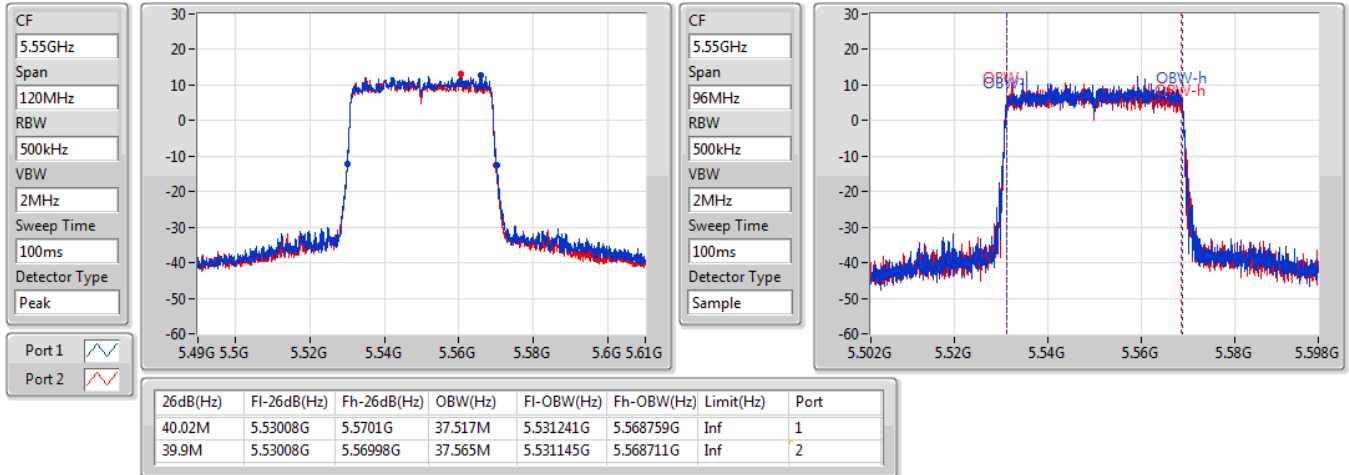

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5510MHz

16/07/2020

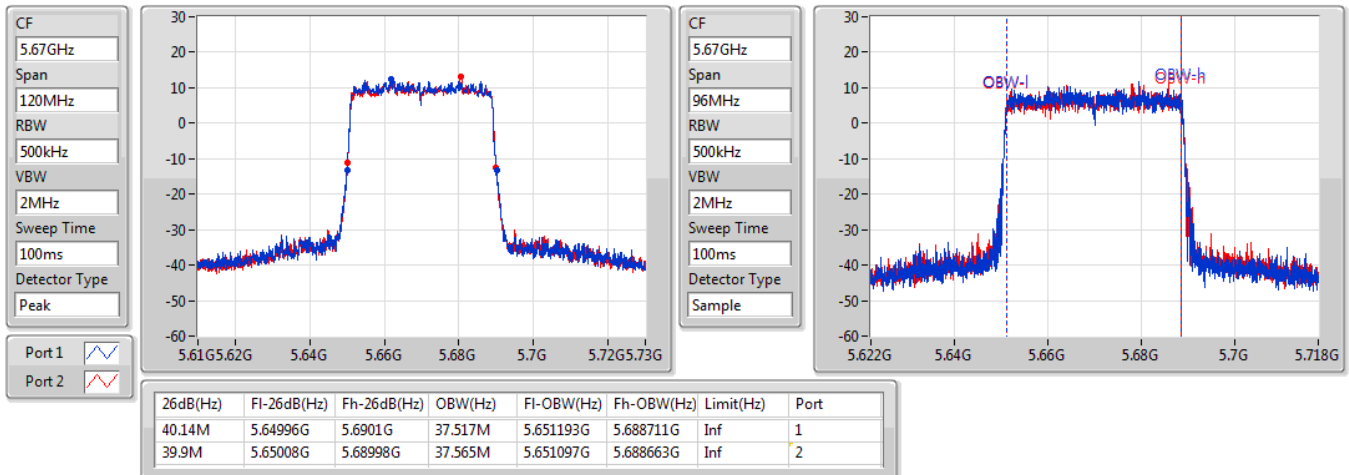


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5550MHz

16/07/2020

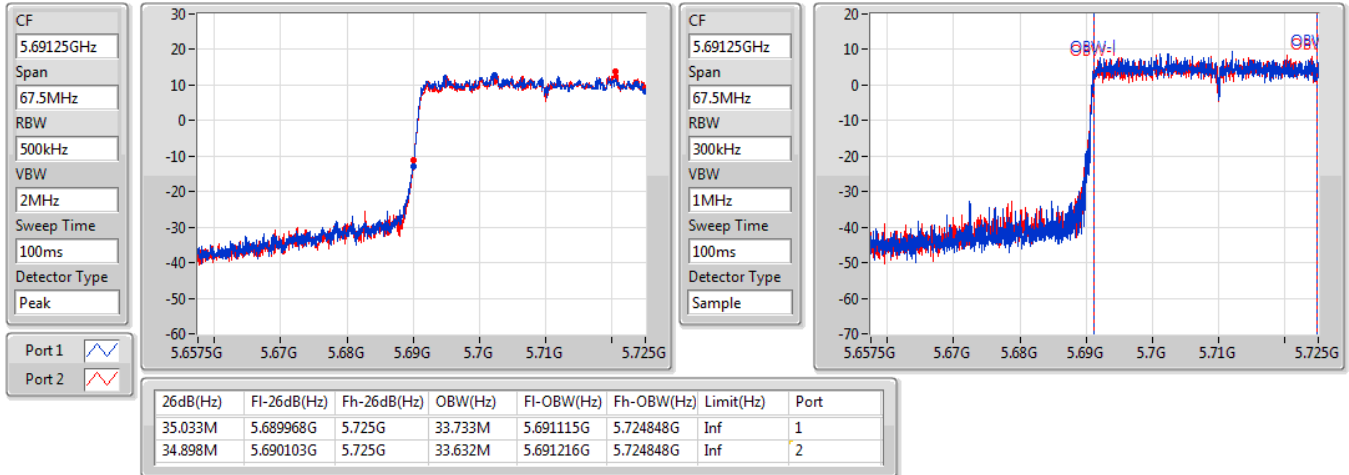

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5670MHz

16/07/2020

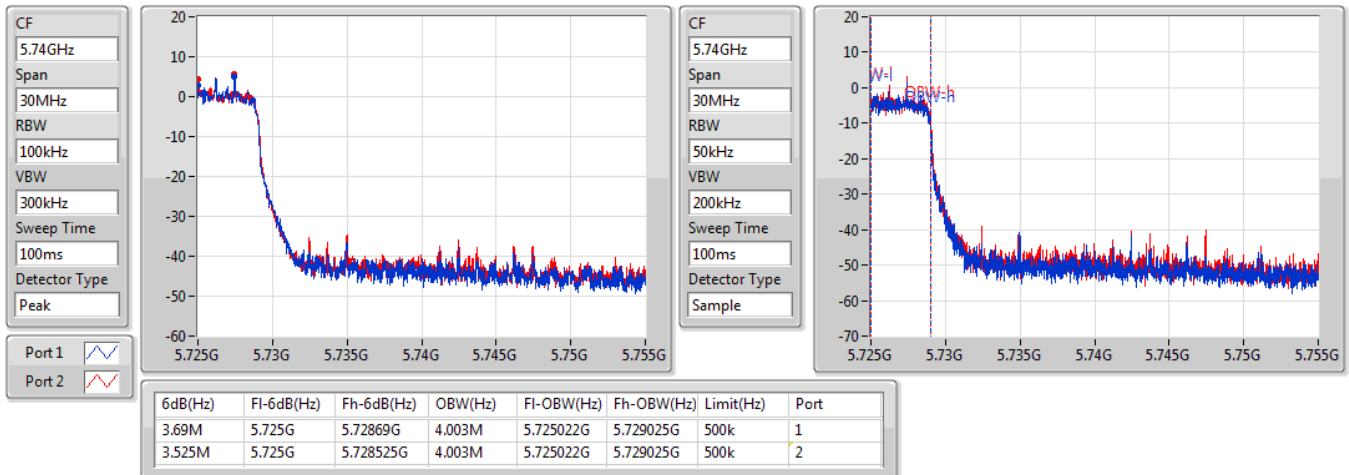


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

16/07/2020

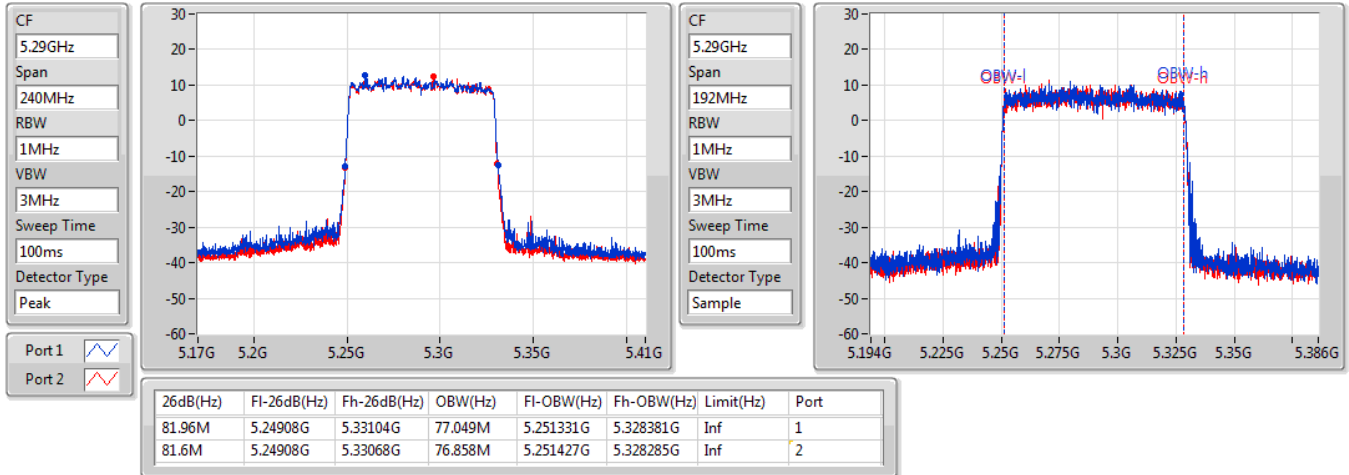

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

16/07/2020

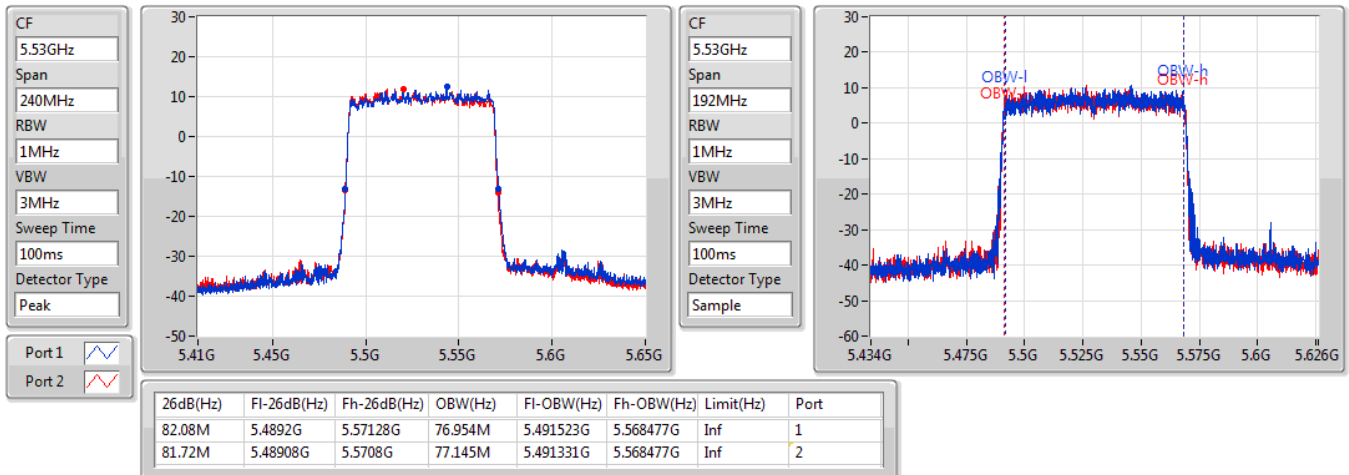


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5290MHz

16/07/2020

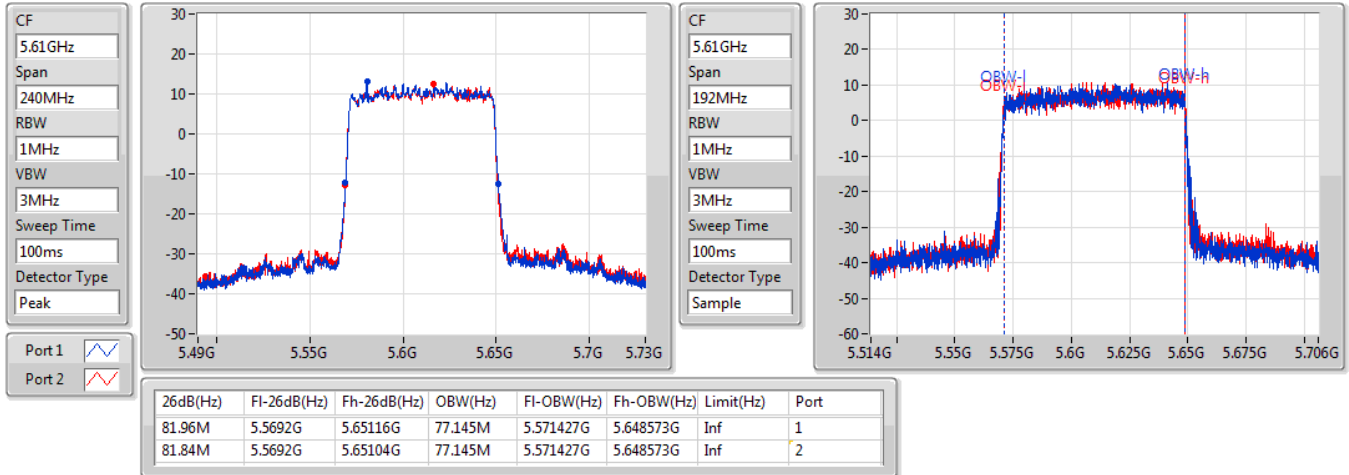

802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5530MHz

16/07/2020

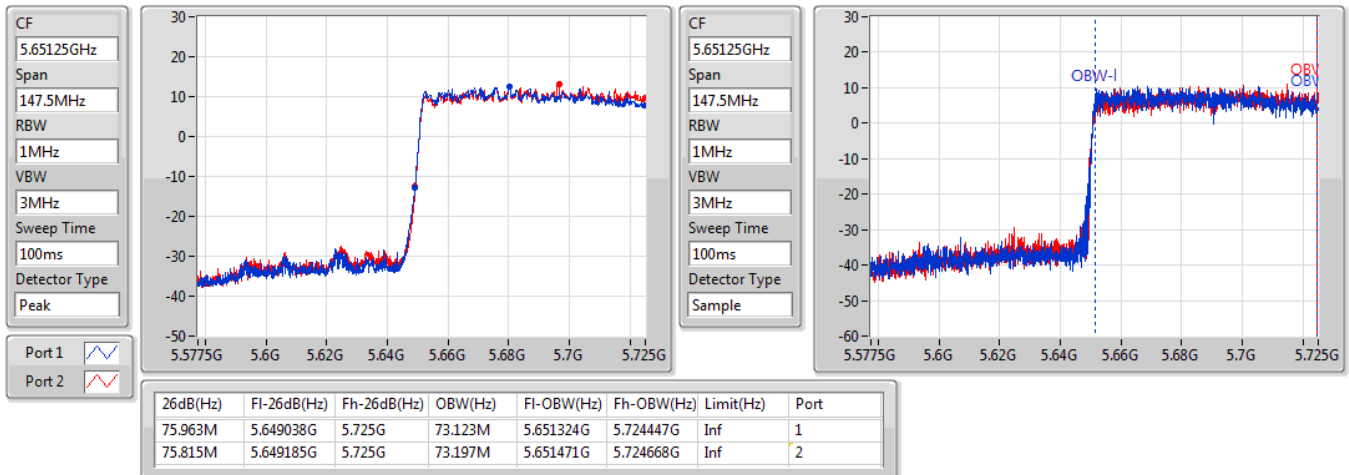


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5610MHz

16/07/2020


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

16/07/2020

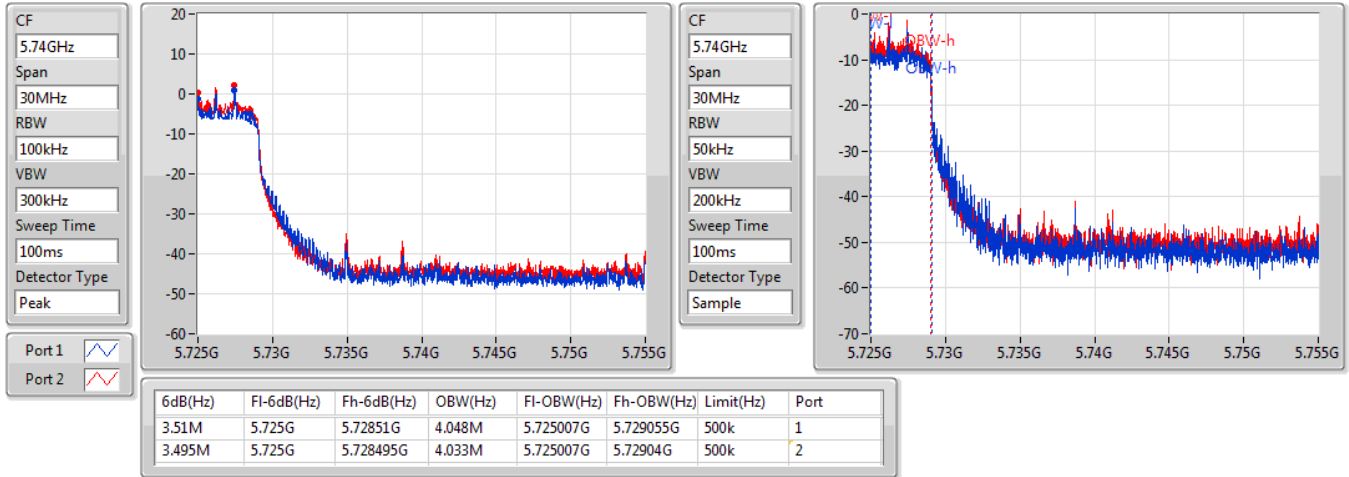


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

16/07/2020





Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.93	0.24717	26.40	0.43652
802.11n HT20_Nss1,(MCS0)_2TX	23.10	0.20417	25.49	0.35400
802.11n HT40_Nss1,(MCS0)_2TX	23.08	0.20324	25.88	0.38726
802.11ac VHT20_Nss1,(MCS0)_2TX	23.66	0.23227	26.10	0.40738
802.11ac VHT40_Nss1,(MCS0)_2TX	23.53	0.22542	26.40	0.43652
802.11ac VHT80_Nss1,(MCS0)_2TX	22.90	0.19498	25.40	0.34674
802.11ax HEW20_Nss1,(MCS0)_2TX	23.92	0.24660	26.33	0.42954
802.11ax HEW40_Nss1,(MCS0)_2TX	23.81	0.24044	26.64	0.46132
802.11ax HEW80_Nss1,(MCS0)_2TX	23.12	0.20512	25.66	0.36813
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.82	0.24099	26.59	0.45604
802.11n HT20_Nss1,(MCS0)_2TX	22.89	0.19454	25.69	0.37068
802.11n HT40_Nss1,(MCS0)_2TX	23.32	0.21478	25.84	0.38371
802.11ac VHT20_Nss1,(MCS0)_2TX	23.44	0.22080	26.30	0.42658
802.11ac VHT40_Nss1,(MCS0)_2TX	23.67	0.23281	26.26	0.42267
802.11ac VHT80_Nss1,(MCS0)_2TX	23.66	0.23227	26.18	0.41495
802.11ax HEW20_Nss1,(MCS0)_2TX	23.81	0.24044	26.66	0.46345
802.11ax HEW40_Nss1,(MCS0)_2TX	23.96	0.24889	26.54	0.45082
802.11ax HEW80_Nss1,(MCS0)_2TX	23.85	0.24266	26.39	0.43551
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.59	0.04560	19.09	0.08110
802.11n HT20_Nss1,(MCS0)_2TX	16.69	0.04667	19.14	0.08204
802.11n HT40_Nss1,(MCS0)_2TX	12.68	0.01854	15.22	0.03327
802.11ac VHT20_Nss1,(MCS0)_2TX	16.85	0.04842	19.32	0.08551
802.11ac VHT40_Nss1,(MCS0)_2TX	12.80	0.01905	15.28	0.03373
802.11ac VHT80_Nss1,(MCS0)_2TX	9.18	0.00828	12.16	0.01644
802.11ax HEW20_Nss1,(MCS0)_2TX	17.47	0.05585	19.89	0.09750
802.11ax HEW40_Nss1,(MCS0)_2TX	13.71	0.02350	16.33	0.04295
802.11ax HEW80_Nss1,(MCS0)_2TX	10.02	0.01005	13.01	0.02000

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	5.40	20.95	20.87	23.92	23.98	26.35	30.00
5300MHz	Pass	5.40	20.89	20.74	23.83	23.98	26.29	30.00
5320MHz	Pass	5.40	20.83	21.00	23.93	23.98	26.40	30.00
5500MHz	Pass	5.40	18.84	19.85	22.38	23.98	25.25	30.00
5580MHz	Pass	5.40	20.39	21.19	23.82	23.98	26.59	30.00
5700MHz	Pass	5.40	19.16	19.44	22.31	23.98	24.84	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	19.42	19.91	22.68	22.91	25.31	28.91
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	13.69	13.46	16.59	30.00	19.09	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.40	20.09	20.09	23.10	23.98	25.49	30.00
5300MHz	Pass	5.40	19.98	19.93	22.97	23.98	25.38	30.00
5320MHz	Pass	5.40	20.03	20.01	23.03	23.98	25.43	30.00
5500MHz	Pass	5.40	19.70	18.85	22.31	23.98	25.10	30.00
5580MHz	Pass	5.40	20.29	19.42	22.89	23.98	25.69	30.00
5700MHz	Pass	5.40	16.43	15.99	19.23	23.98	21.83	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	19.75	19.22	22.50	22.99	25.15	28.99
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	13.74	13.61	16.69	30.00	19.14	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.40	20.48	19.61	23.08	23.98	25.88	30.00
5310MHz	Pass	5.40	19.37	18.38	21.91	23.98	24.77	30.00
5510MHz	Pass	5.40	19.22	18.75	22.00	23.98	24.62	30.00
5550MHz	Pass	5.40	20.16	19.94	23.06	23.98	25.56	30.00
5670MHz	Pass	5.40	19.90	19.82	22.87	23.98	25.30	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.40	20.44	20.18	23.32	23.98	25.84	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.40	9.51	9.82	12.68	30.00	15.22	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.40	20.70	20.59	23.66	23.98	26.10	30.00
5300MHz	Pass	5.40	20.56	20.53	23.56	23.98	25.96	30.00
5320MHz	Pass	5.40	20.68	20.52	23.61	23.98	26.08	30.00
5500MHz	Pass	5.40	20.18	19.29	22.77	23.98	25.58	30.00
5580MHz	Pass	5.40	20.90	19.91	23.44	23.98	26.30	30.00
5700MHz	Pass	5.40	16.91	16.34	19.64	23.98	22.31	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	19.96	19.27	22.64	22.96	25.36	28.96
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	13.92	13.75	16.85	30.00	19.32	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.40	21.00	19.98	23.53	23.98	26.40	30.00
5310MHz	Pass	5.40	20.01	19.04	22.56	23.98	25.41	30.00
5510MHz	Pass	5.40	19.63	19.34	22.50	23.98	25.03	30.00
5550MHz	Pass	5.40	20.86	20.44	23.67	23.98	26.26	30.00
5670MHz	Pass	5.40	20.38	20.26	23.33	23.98	25.78	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.40	20.72	20.13	23.45	23.98	26.12	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.40	9.69	9.88	12.80	30.00	15.28	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-



Average Power_indoor Sample 1

Appendix B.1

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5290MHz	Pass	5.40	20.00	19.78	22.90	23.98	25.40	30.00
5530MHz	Pass	5.40	19.72	19.53	22.64	23.98	25.12	30.00
5610MHz	Pass	5.40	20.66	20.07	23.39	23.98	26.06	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.40	20.78	20.52	23.66	23.98	26.18	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.40	5.48	6.76	9.18	30.00	12.16	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.40	20.88	20.93	23.92	23.98	26.33	30.00
5300MHz	Pass	5.40	20.77	20.84	23.82	23.98	26.24	30.00
5320MHz	Pass	5.40	20.67	20.84	23.77	23.98	26.24	30.00
5500MHz	Pass	5.40	19.68	20.32	23.02	23.98	25.72	30.00
5580MHz	Pass	5.40	20.29	21.26	23.81	23.98	26.66	30.00
5700MHz	Pass	5.40	17.05	16.64	19.86	23.98	22.45	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	19.46	20.05	22.78	22.94	25.45	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	14.42	14.49	17.47	30.00	19.89	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.40	21.24	20.31	23.81	23.98	26.64	30.00
5310MHz	Pass	5.40	20.35	19.26	22.85	23.98	25.75	30.00
5510MHz	Pass	5.40	19.94	19.50	22.74	23.98	25.34	30.00
5550MHz	Pass	5.40	21.14	20.75	23.96	23.98	26.54	30.00
5670MHz	Pass	5.40	20.84	20.62	23.74	23.98	26.24	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.40	20.91	20.55	23.74	23.98	26.31	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.40	10.45	10.93	13.71	30.00	16.33	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.40	20.26	19.95	23.12	23.98	25.66	30.00
5530MHz	Pass	5.40	20.02	19.81	22.93	23.98	25.42	30.00
5610MHz	Pass	5.40	20.99	20.51	23.77	23.98	26.39	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.40	20.97	20.70	23.85	23.98	26.37	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.40	6.32	7.61	10.02	30.00	13.01	36.00

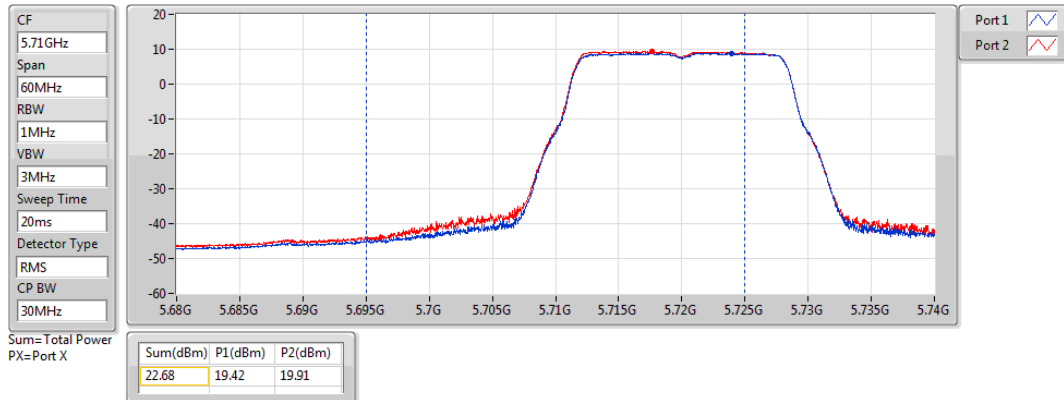
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

17/07/2020

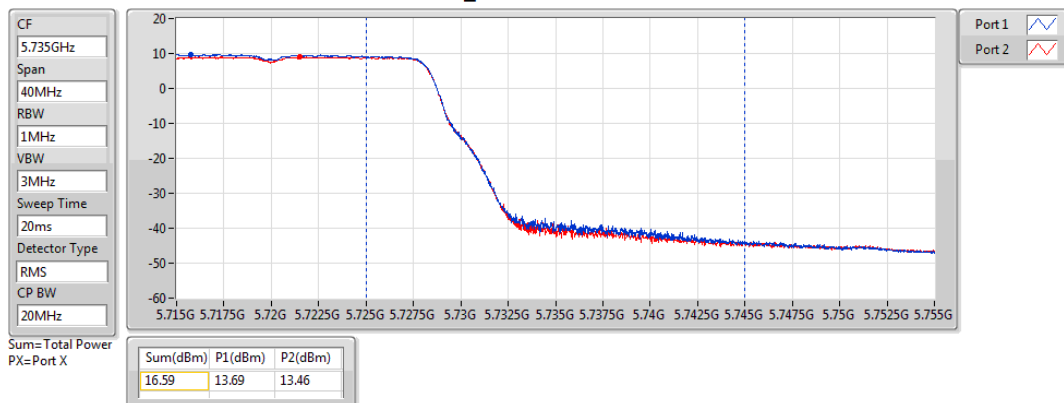


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

18/07/2020

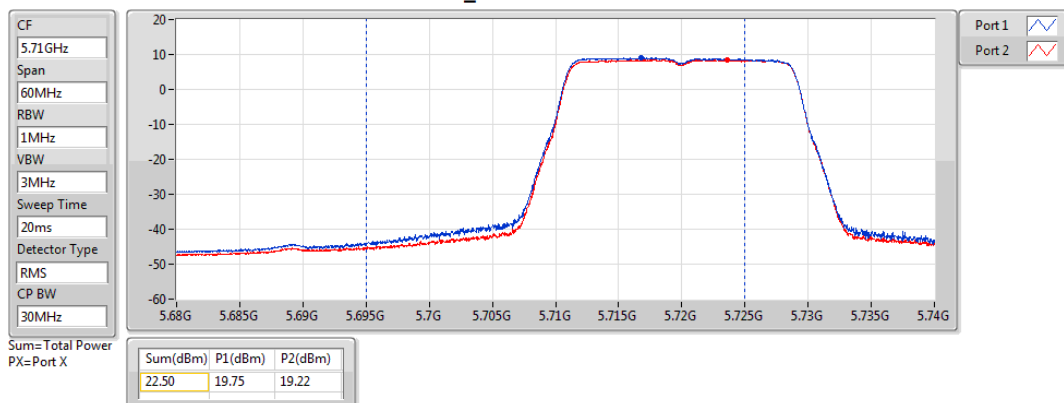


802.11n HT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

22/07/2020

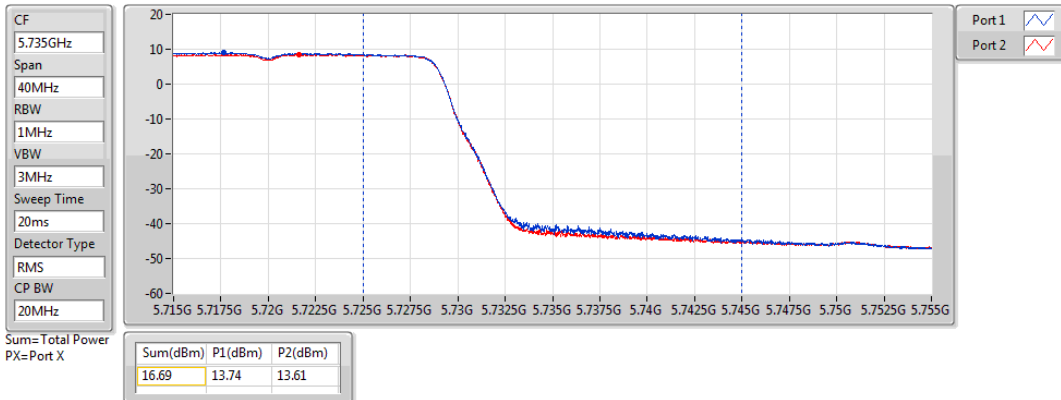


802.11n HT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

22/07/2020

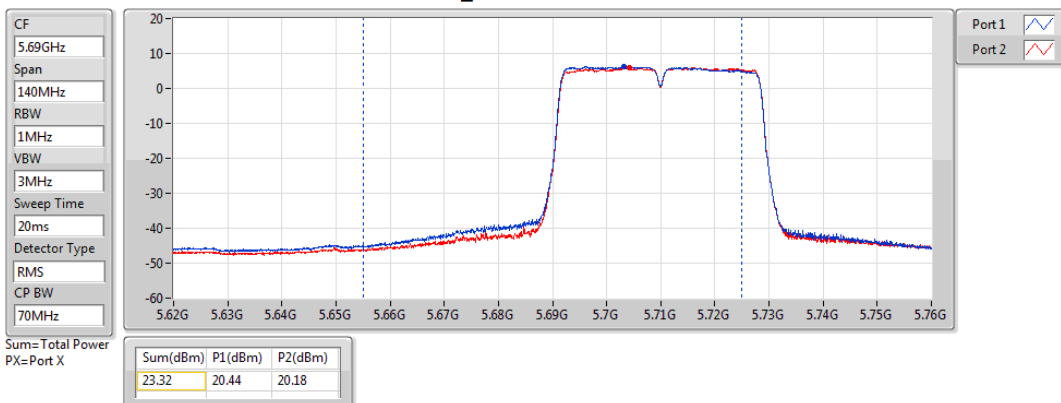


802.11n HT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

22/07/2020

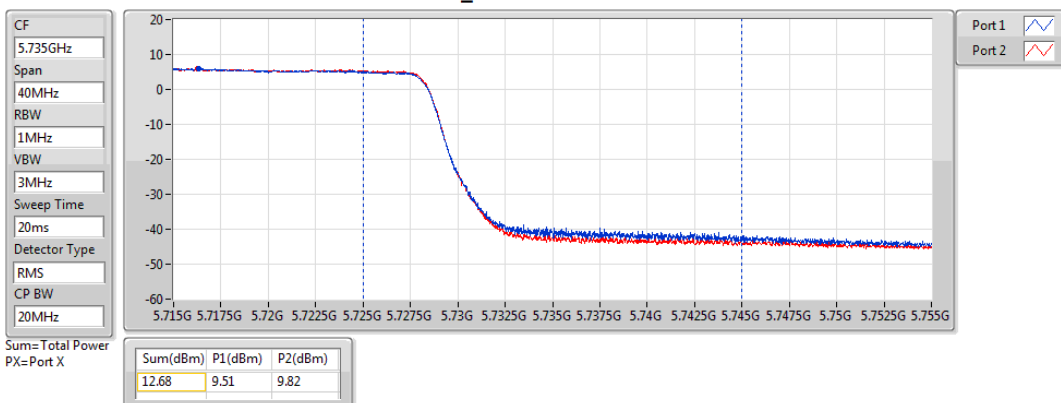


802.11n HT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

22/07/2020

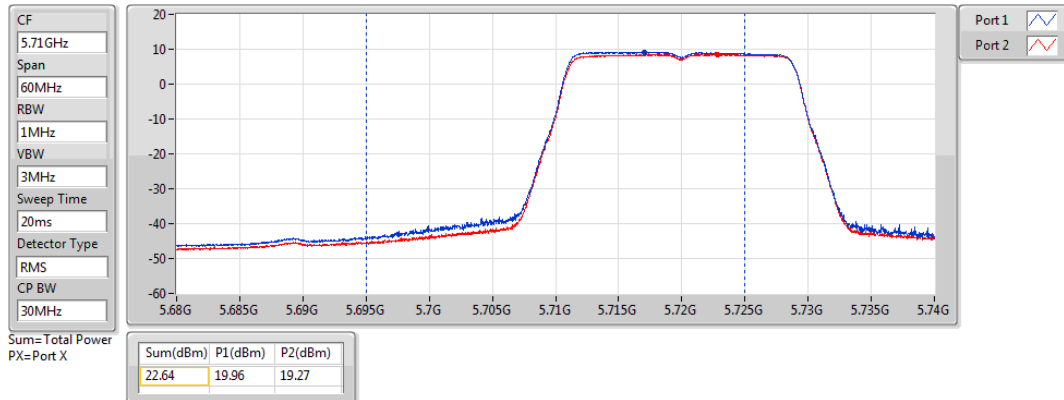


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

17/07/2020

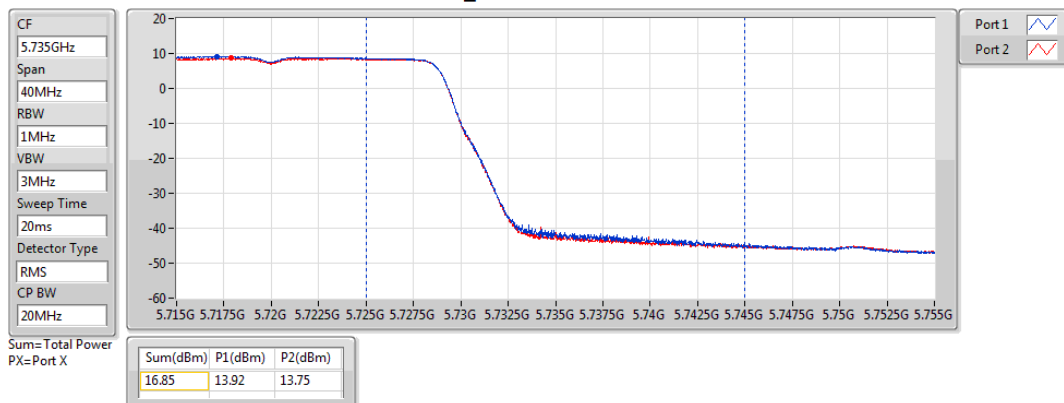


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

17/07/2020

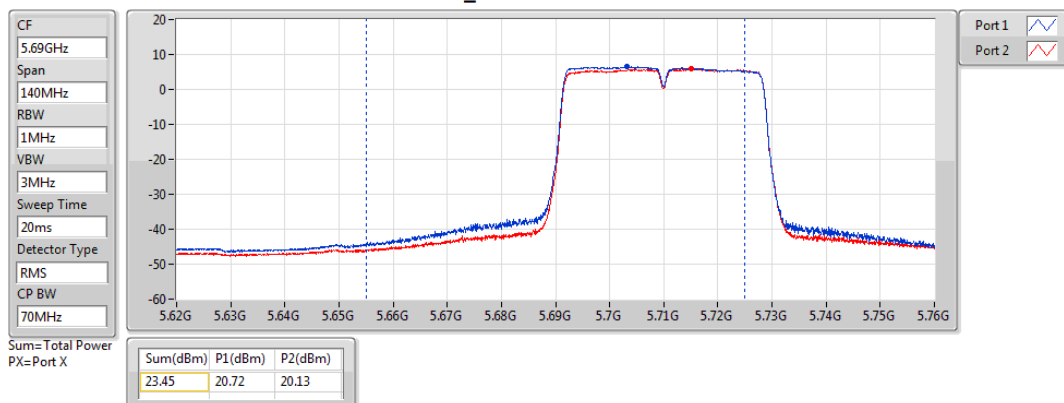


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

17/07/2020

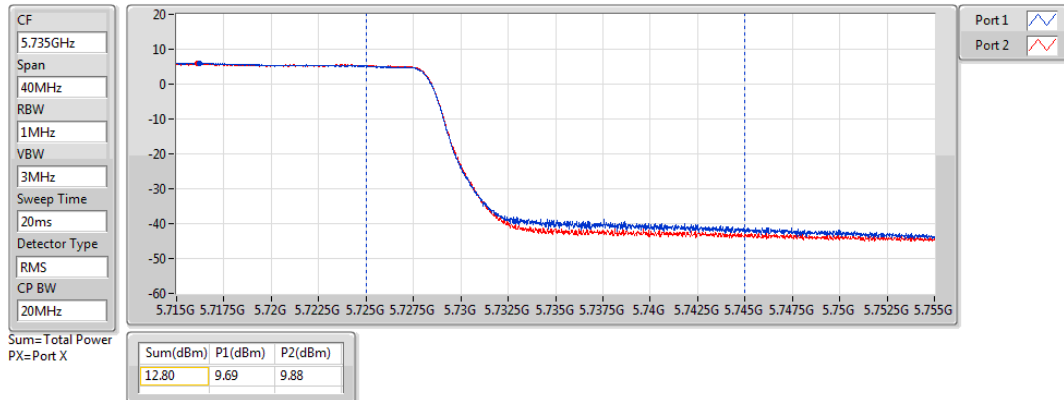


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

17/07/2020

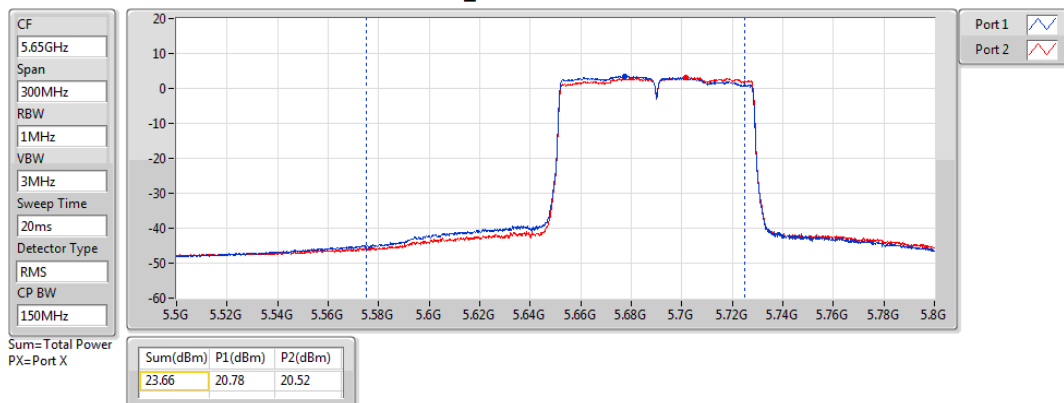


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

18/07/2020

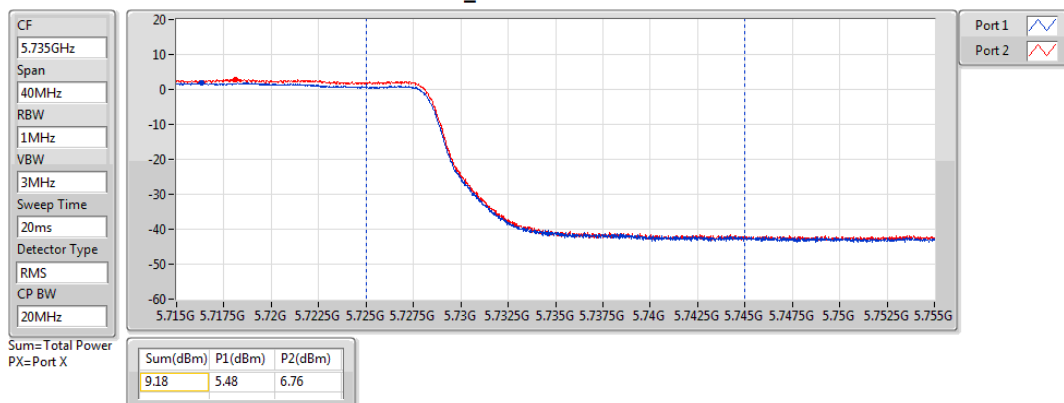


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

18/07/2020

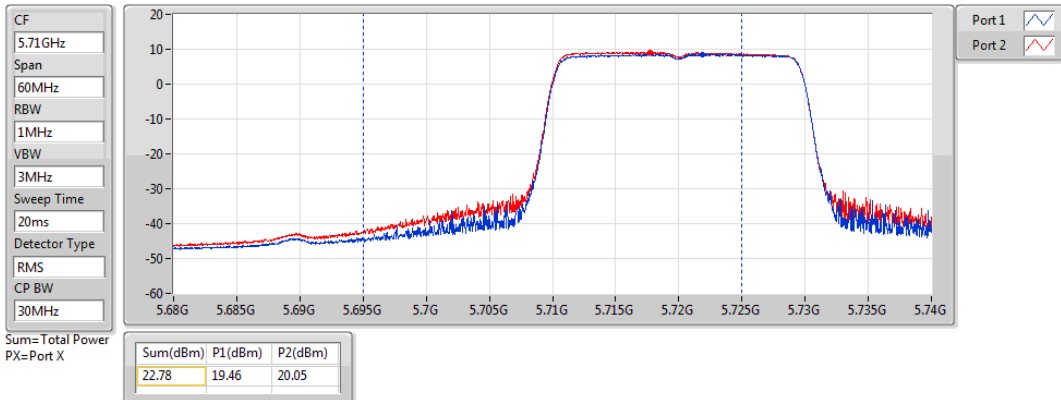


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

17/07/2020

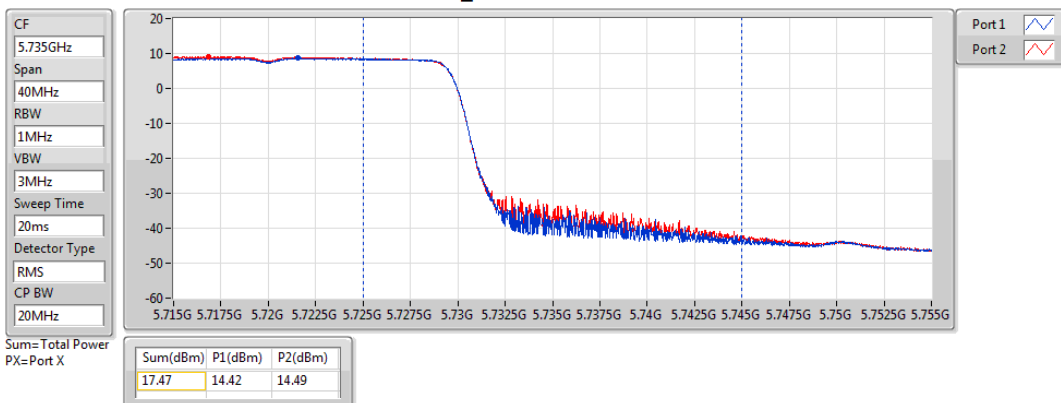


802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

17/07/2020

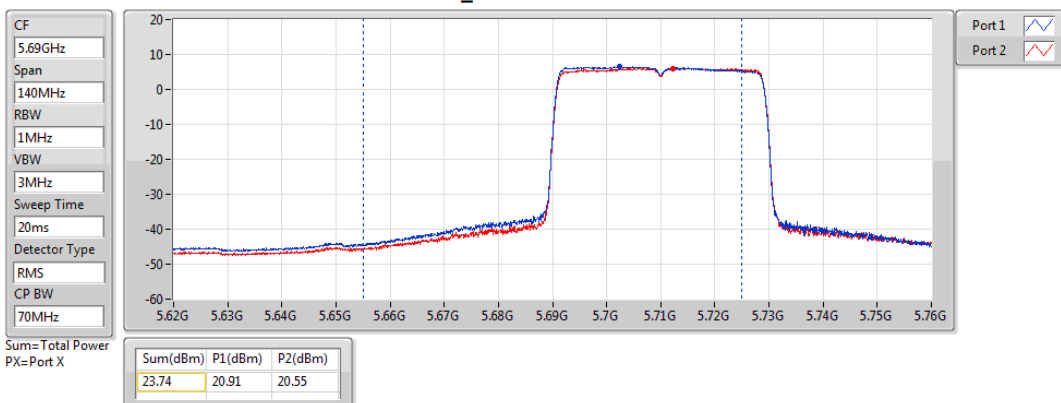


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

17/07/2020

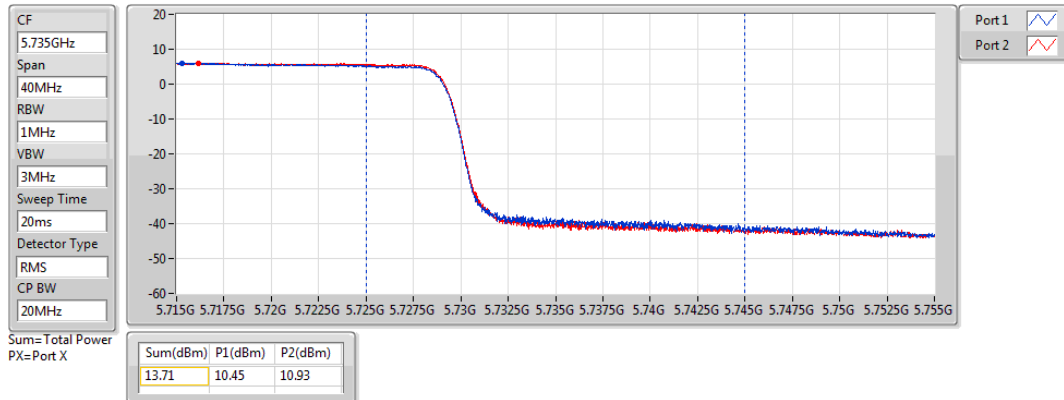


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

17/07/2020

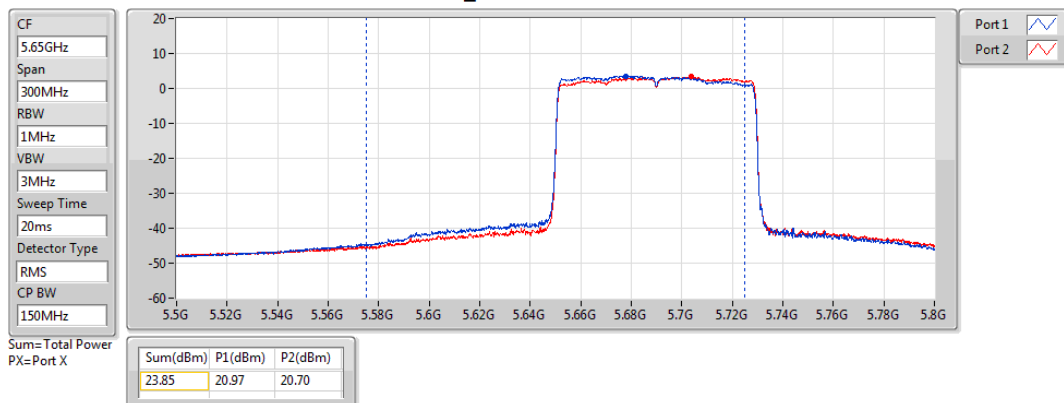


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

17/07/2020

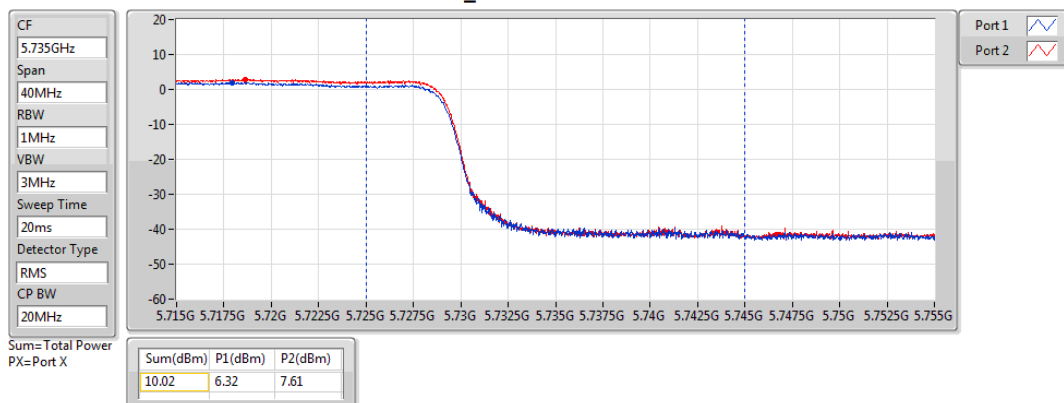


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

17/07/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.84	0.19231	27.00	0.50119
802.11n HT20_Nss1,(MCS0)_2TX	22.60	0.18197	26.70	0.46774
802.11n HT40_Nss1,(MCS0)_2TX	22.25	0.16788	26.46	0.44259
802.11ac VHT20_Nss1,(MCS0)_2TX	22.61	0.18239	26.73	0.47098
802.11ac VHT40_Nss1,(MCS0)_2TX	22.42	0.17458	26.71	0.46881
802.11ac VHT80_Nss1,(MCS0)_2TX	22.56	0.18030	26.66	0.46345
802.11ax HEW20_Nss1,(MCS0)_2TX	22.87	0.19364	27.03	0.50466
802.11ax HEW40_Nss1,(MCS0)_2TX	22.79	0.19011	27.08	0.51050
802.11ax HEW80_Nss1,(MCS0)_2TX	22.87	0.19364	26.99	0.50003
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.79	0.19011	26.97	0.49774
802.11n HT20_Nss1,(MCS0)_2TX	22.57	0.18072	26.75	0.47315
802.11n HT40_Nss1,(MCS0)_2TX	22.30	0.16982	26.65	0.46238
802.11ac VHT20_Nss1,(MCS0)_2TX	22.61	0.18239	26.78	0.47643
802.11ac VHT40_Nss1,(MCS0)_2TX	22.48	0.17701	26.73	0.47098
802.11ac VHT80_Nss1,(MCS0)_2TX	22.44	0.17539	26.64	0.46132
802.11ax HEW20_Nss1,(MCS0)_2TX	22.84	0.19231	27.13	0.51642
802.11ax HEW40_Nss1,(MCS0)_2TX	22.81	0.19099	27.03	0.50466
802.11ax HEW80_Nss1,(MCS0)_2TX	22.76	0.18880	26.93	0.49317
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	15.47	0.03524	19.63	0.09183
802.11n HT20_Nss1,(MCS0)_2TX	15.65	0.03673	19.76	0.09462
802.11n HT40_Nss1,(MCS0)_2TX	11.69	0.01476	15.93	0.03917
802.11ac VHT20_Nss1,(MCS0)_2TX	15.75	0.03758	19.92	0.09817
802.11ac VHT40_Nss1,(MCS0)_2TX	11.85	0.01531	16.18	0.04150
802.11ac VHT80_Nss1,(MCS0)_2TX	7.91	0.00618	12.67	0.01849
802.11ax HEW20_Nss1,(MCS0)_2TX	16.37	0.04335	20.53	0.11298
802.11ax HEW40_Nss1,(MCS0)_2TX	12.78	0.01897	17.15	0.05188
802.11ax HEW80_Nss1,(MCS0)_2TX	8.88	0.00773	13.64	0.02312

**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	7.10	19.76	19.83	22.81	22.88	26.93	30.00
5300MHz	Pass	7.10	19.75	19.90	22.84	22.88	27.00	30.00
5320MHz	Pass	7.10	19.77	19.80	22.80	22.88	26.90	30.00
5500MHz	Pass	7.10	19.39	19.05	22.23	22.88	26.49	30.00
5580MHz	Pass	7.10	19.87	19.68	22.79	22.88	26.97	30.00
5700MHz	Pass	7.10	18.36	17.96	21.17	22.88	25.46	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	18.90	18.68	21.80	21.81	26.00	28.91
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	12.39	12.53	15.47	28.90	19.63	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	19.53	19.41	22.48	22.88	26.63	30.00
5300MHz	Pass	7.10	19.58	19.60	22.60	22.88	26.70	30.00
5320MHz	Pass	7.10	19.45	19.39	22.43	22.88	26.55	30.00
5500MHz	Pass	7.10	19.65	19.46	22.57	22.88	26.75	30.00
5580MHz	Pass	7.10	19.41	19.01	22.22	22.88	26.51	30.00
5700MHz	Pass	7.10	16.41	15.96	19.20	22.88	23.51	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	18.55	18.25	21.41	21.84	25.65	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	12.61	12.66	15.65	28.90	19.76	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	19.36	19.11	22.25	22.88	26.46	30.00
5310MHz	Pass	7.10	19.28	19.13	22.22	22.88	26.38	30.00
5510MHz	Pass	7.10	18.90	18.61	21.77	22.88	26.00	30.00
5550MHz	Pass	7.10	19.55	19.02	22.30	22.88	26.65	30.00
5670MHz	Pass	7.10	19.11	18.66	21.90	22.88	26.21	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	19.50	19.07	22.30	22.88	26.60	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	8.53	8.83	11.69	28.90	15.93	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	19.51	19.57	22.55	22.88	26.67	30.00
5300MHz	Pass	7.10	19.47	19.62	22.56	22.88	26.72	30.00
5320MHz	Pass	7.10	19.57	19.63	22.61	22.88	26.73	30.00
5500MHz	Pass	7.10	19.68	19.51	22.61	22.88	26.78	30.00
5580MHz	Pass	7.10	19.44	19.00	22.24	22.88	26.54	30.00
5700MHz	Pass	7.10	16.56	16.22	19.40	22.88	23.66	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	18.67	18.48	21.59	21.87	25.77	28.97
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	12.66	12.82	15.75	28.90	19.92	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	19.38	19.21	22.31	22.88	26.48	30.00
5310MHz	Pass	7.10	19.61	19.20	22.42	22.88	26.71	30.00
5510MHz	Pass	7.10	18.92	18.52	21.73	22.88	26.02	30.00
5550MHz	Pass	7.10	19.57	19.20	22.40	22.88	26.67	30.00
5670MHz	Pass	7.10	19.63	19.30	22.48	22.88	26.73	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	19.53	19.38	22.47	22.88	26.63	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	8.58	9.08	11.85	28.90	16.18	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-



Average Power_indoor Sample 2

Appendix B.2

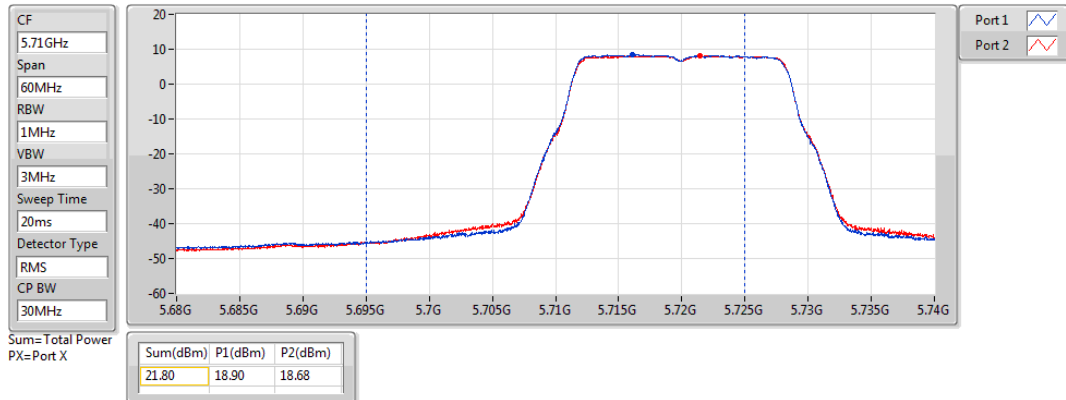
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5290MHz	Pass	7.10	19.53	19.56	22.56	22.88	26.66	30.00
5530MHz	Pass	7.10	19.11	18.96	22.05	22.88	26.21	30.00
5610MHz	Pass	7.10	19.54	19.32	22.44	22.88	26.64	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10	19.37	19.44	22.42	22.88	26.54	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	4.10	5.57	7.91	28.90	12.67	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	19.75	19.85	22.81	22.88	26.95	30.00
5300MHz	Pass	7.10	19.79	19.93	22.87	22.88	27.03	30.00
5320MHz	Pass	7.10	19.83	19.88	22.87	22.88	26.98	30.00
5500MHz	Pass	7.10	20.03	19.62	22.84	22.88	27.13	30.00
5580MHz	Pass	7.10	19.99	19.31	22.67	22.88	27.09	30.00
5700MHz	Pass	7.10	16.88	16.45	19.68	22.88	23.98	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	18.85	18.63	21.75	21.88	25.95	28.98
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	13.28	13.43	16.37	28.90	20.53	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	19.98	19.39	22.71	22.88	27.08	30.00
5310MHz	Pass	7.10	19.97	19.59	22.79	22.88	27.07	30.00
5510MHz	Pass	7.10	19.16	18.79	21.99	22.88	26.26	30.00
5550MHz	Pass	7.10	19.93	19.56	22.76	22.88	27.03	30.00
5670MHz	Pass	7.10	19.73	19.42	22.59	22.88	26.83	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	19.91	19.69	22.81	22.88	27.01	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	9.46	10.05	12.78	28.90	17.15	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.10	19.89	19.83	22.87	22.88	26.99	30.00
5530MHz	Pass	7.10	19.43	19.03	22.24	22.88	26.53	30.00
5610MHz	Pass	7.10	19.83	19.62	22.74	22.88	26.93	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10	19.75	19.74	22.76	22.88	26.85	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	5.08	6.54	8.88	28.90	13.64	36.00

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

802.11a_Nss1,(6Mbps)_2TX

AV Power

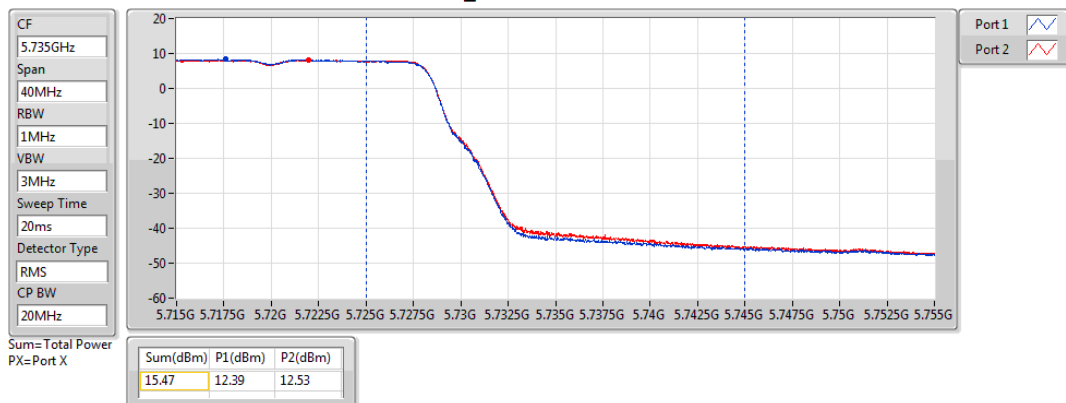
5720MHz Straddle 5.47-5.725GHz_TnomVnom



802.11a_Nss1,(6Mbps)_2TX

AV Power

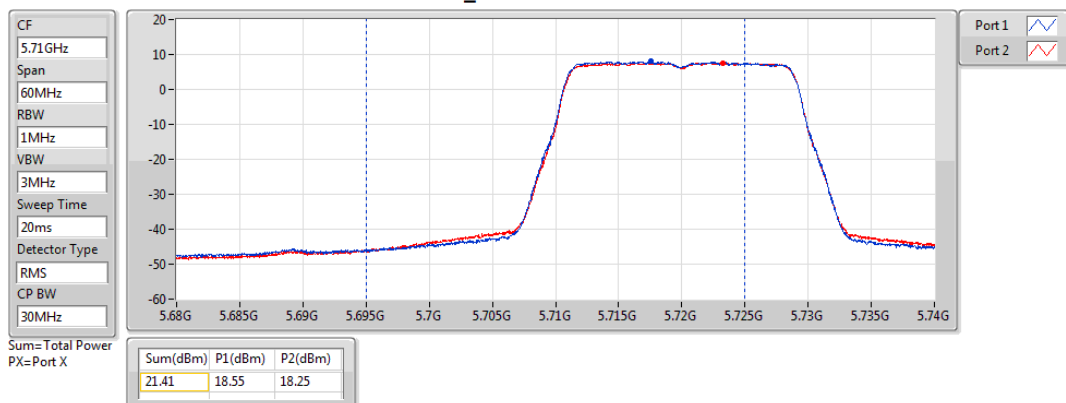
5720MHz Straddle 5.725-5.85GHz_TnomVnom



802.11n HT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

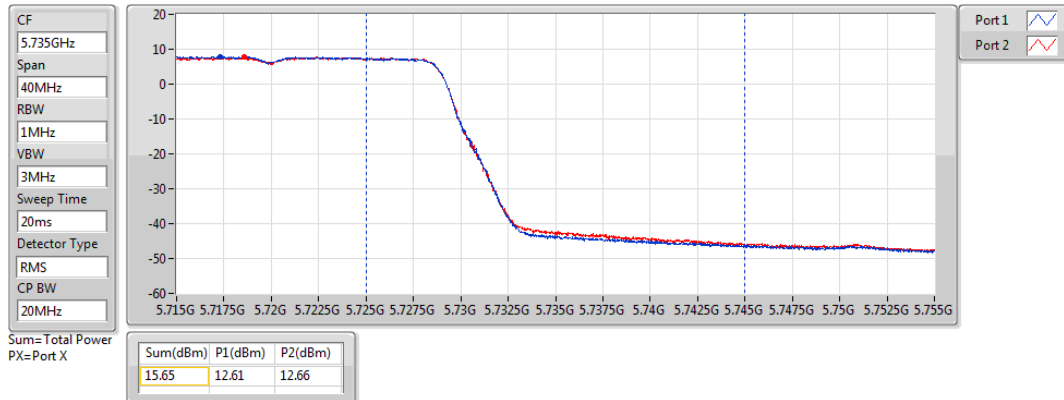


802.11n HT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

22/07/2020

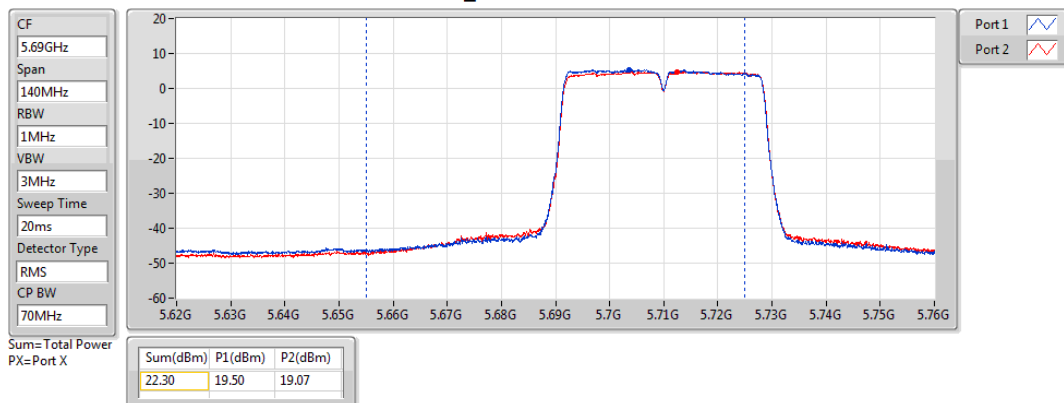


802.11n HT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

22/07/2020

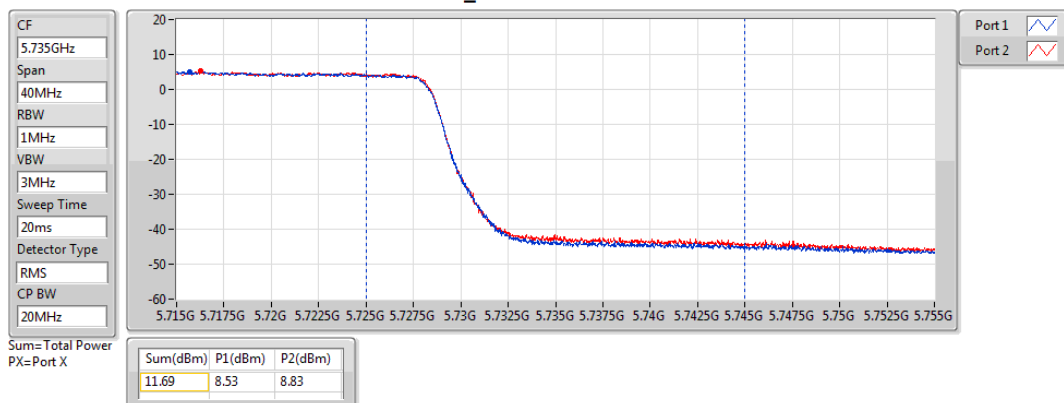


802.11n HT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

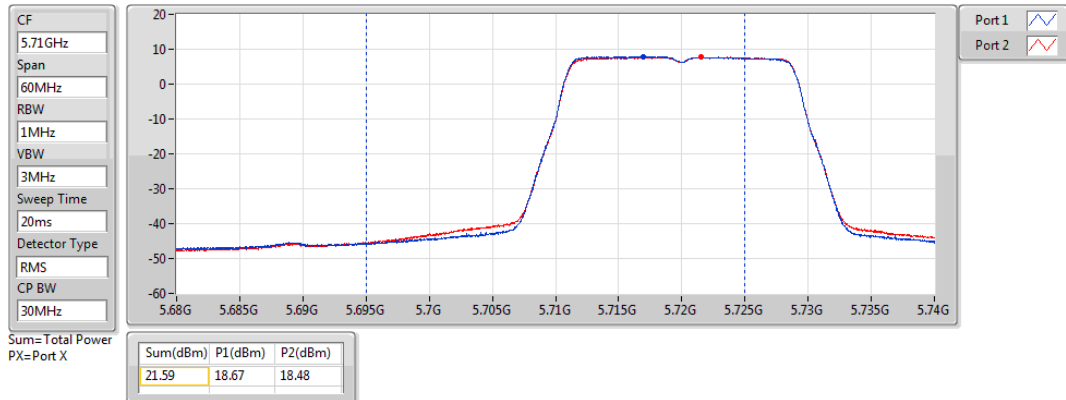
22/07/2020



802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

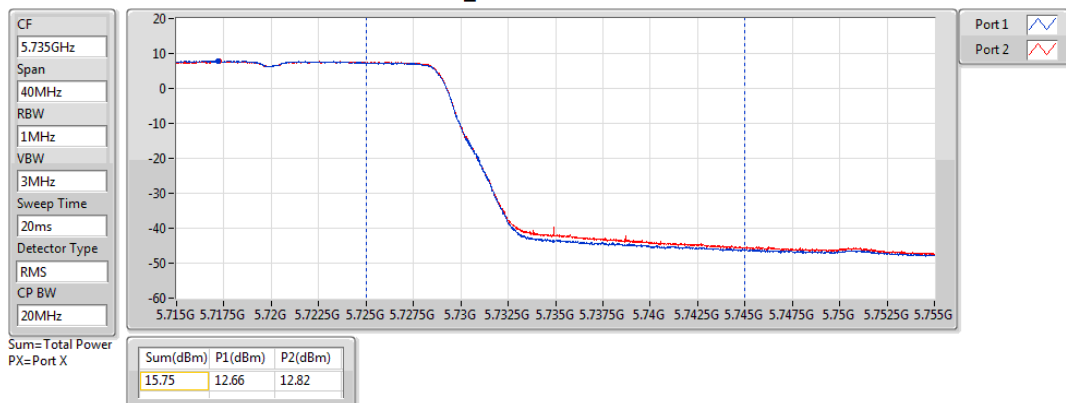
5720MHz Straddle 5.47-5.725GHz_TnomVnom



802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

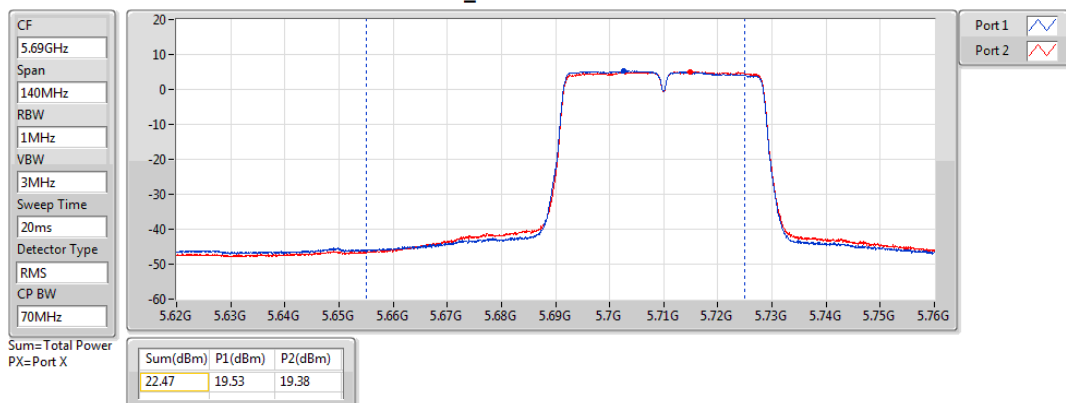
5720MHz Straddle 5.725-5.85GHz_TnomVnom



802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

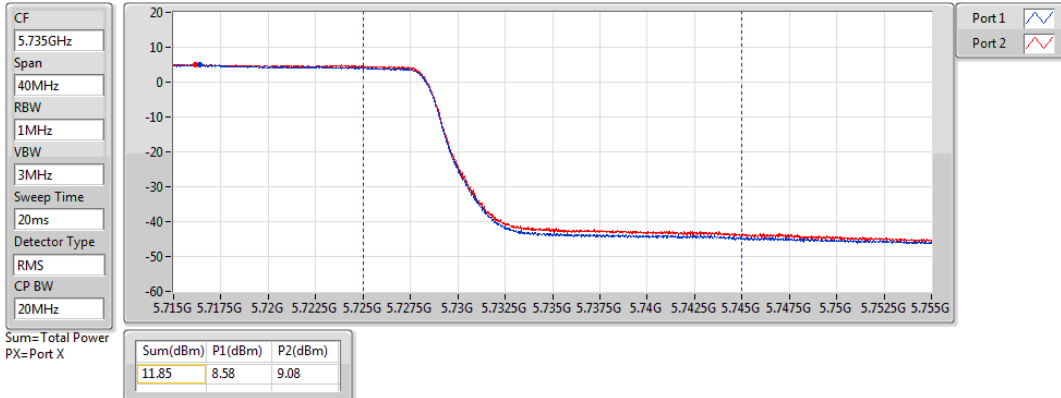


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

16/07/2020

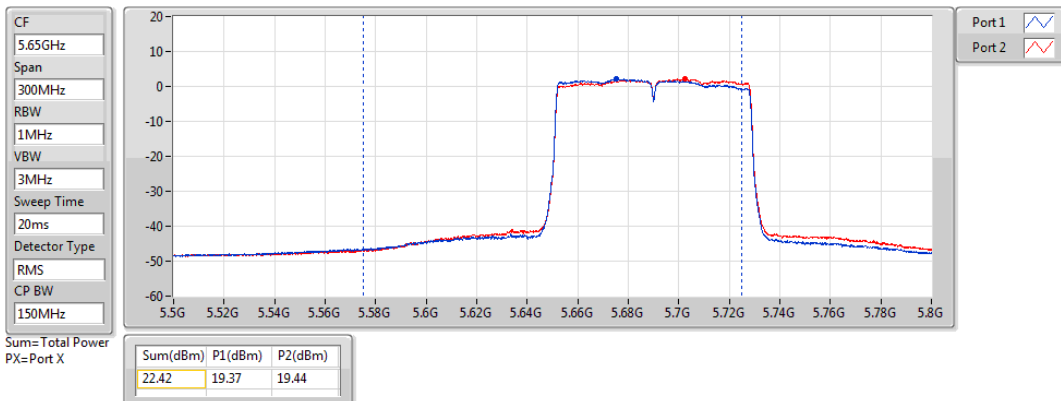


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

16/07/2020

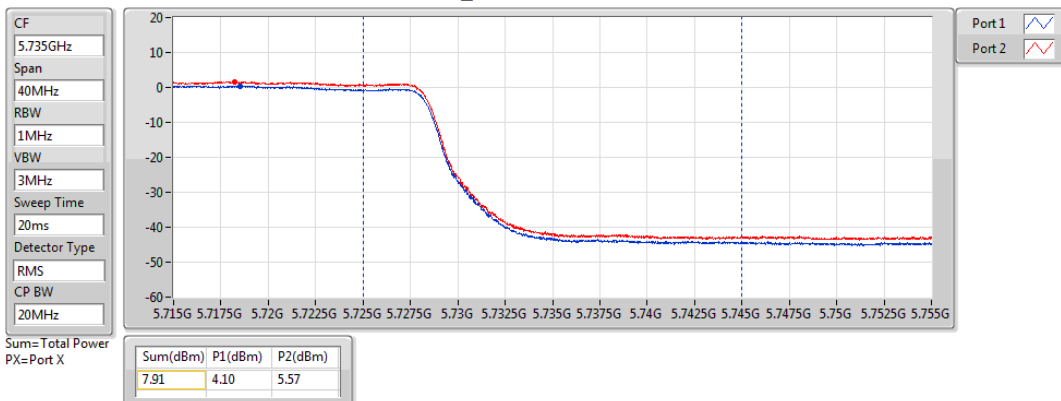


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

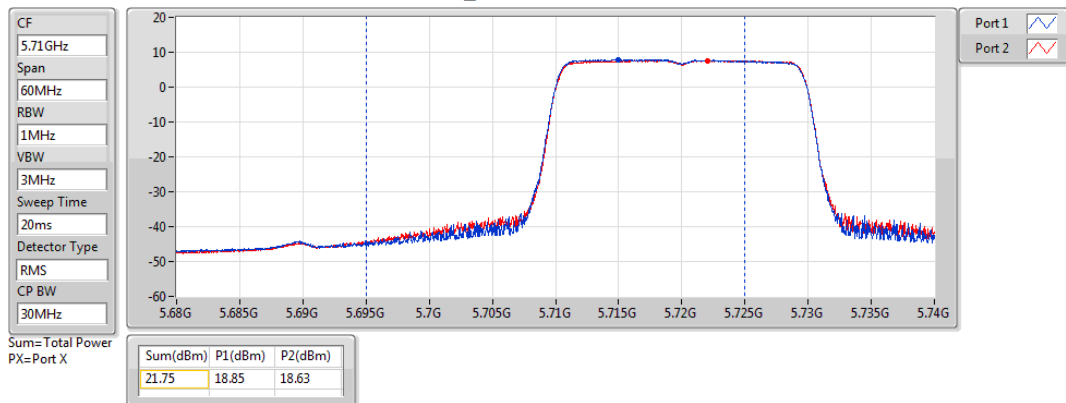
16/07/2020



802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

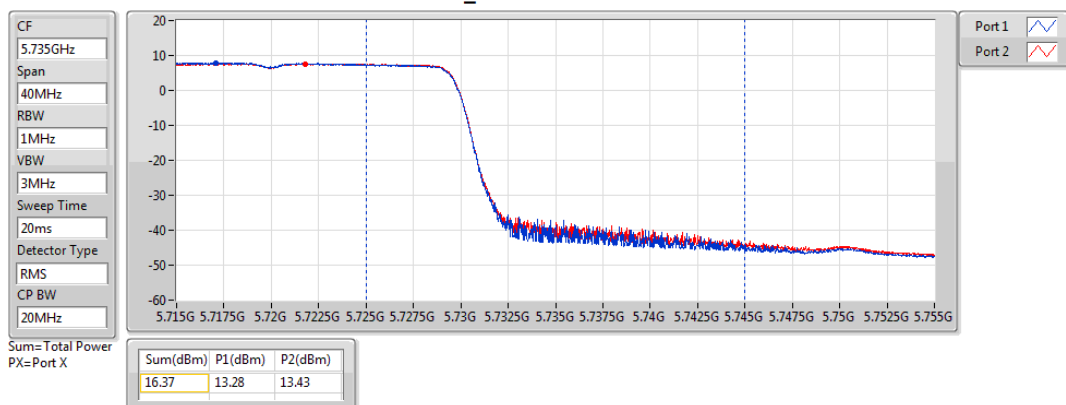
5720MHz Straddle 5.47-5.725GHz_TnomVnom



802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

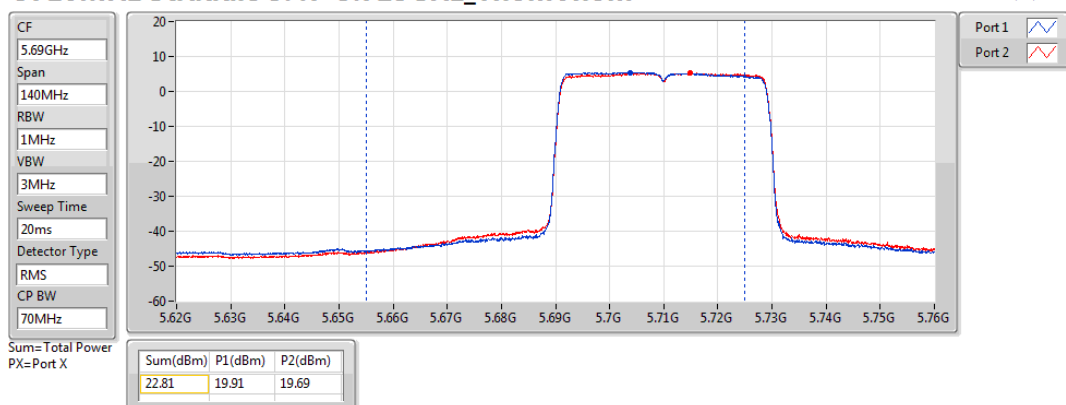
5720MHz Straddle 5.725-5.85GHz_TnomVnom



802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

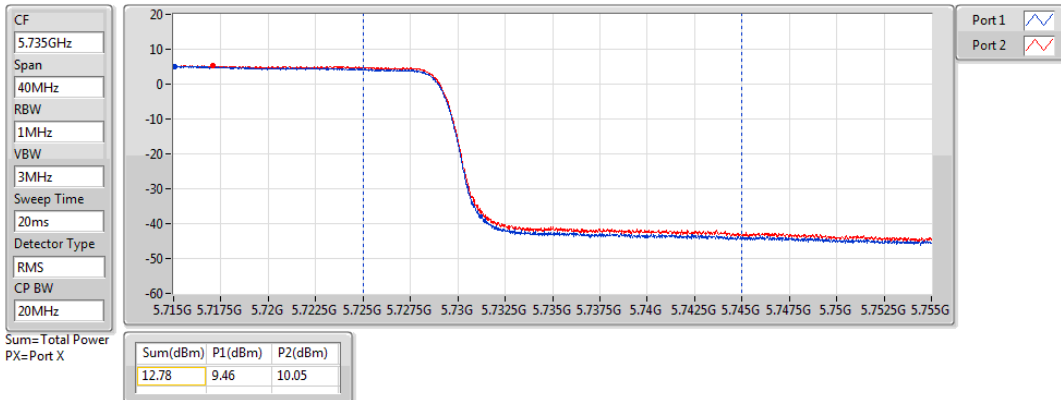


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

16/07/2020

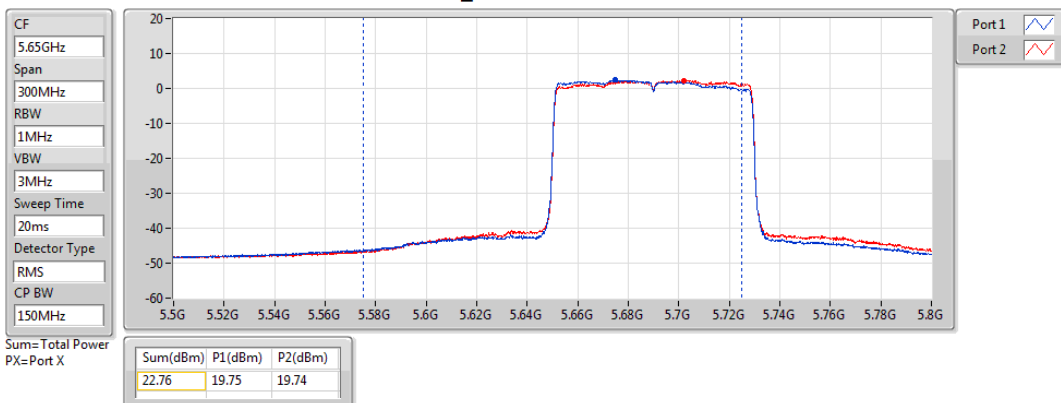


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

16/07/2020

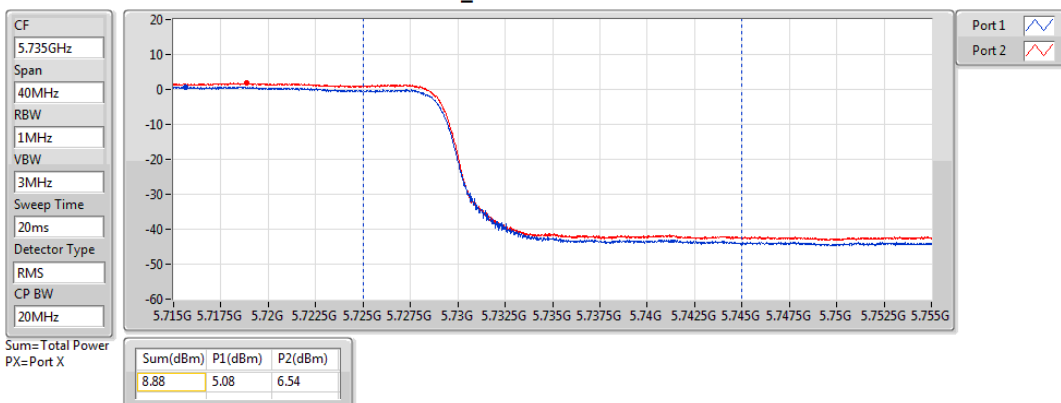


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

16/07/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.93	0.24717	26.40	0.43652
802.11n HT20_Nss1,(MCS0)_2TX	23.10	0.20417	25.49	0.35400
802.11n HT40_Nss1,(MCS0)_2TX	23.08	0.20324	25.88	0.38726
802.11ac VHT20_Nss1,(MCS0)_2TX	23.66	0.23227	26.10	0.40738
802.11ac VHT40_Nss1,(MCS0)_2TX	23.53	0.22542	26.40	0.43652
802.11ac VHT80_Nss1,(MCS0)_2TX	22.90	0.19498	25.40	0.34674
802.11ax HEW20_Nss1,(MCS0)_2TX	23.92	0.24660	26.33	0.42954
802.11ax HEW40_Nss1,(MCS0)_2TX	23.81	0.24044	26.64	0.46132
802.11ax HEW80_Nss1,(MCS0)_2TX	23.12	0.20512	25.66	0.36813
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.82	0.24099	26.59	0.45604
802.11n HT20_Nss1,(MCS0)_2TX	22.89	0.19454	25.69	0.37068
802.11n HT40_Nss1,(MCS0)_2TX	23.32	0.21478	25.84	0.38371
802.11ac VHT20_Nss1,(MCS0)_2TX	23.44	0.22080	26.30	0.42658
802.11ac VHT40_Nss1,(MCS0)_2TX	23.67	0.23281	26.26	0.42267
802.11ac VHT80_Nss1,(MCS0)_2TX	23.66	0.23227	26.18	0.41495
802.11ax HEW20_Nss1,(MCS0)_2TX	23.81	0.24044	26.66	0.46345
802.11ax HEW40_Nss1,(MCS0)_2TX	23.96	0.24889	26.54	0.45082
802.11ax HEW80_Nss1,(MCS0)_2TX	23.85	0.24266	26.39	0.43551
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.59	0.04560	19.09	0.08110
802.11n HT20_Nss1,(MCS0)_2TX	16.69	0.04667	19.14	0.08204
802.11n HT40_Nss1,(MCS0)_2TX	12.68	0.01854	15.22	0.03327
802.11ac VHT20_Nss1,(MCS0)_2TX	16.85	0.04842	19.32	0.08551
802.11ac VHT40_Nss1,(MCS0)_2TX	12.80	0.01905	15.28	0.03373
802.11ac VHT80_Nss1,(MCS0)_2TX	9.18	0.00828	12.16	0.01644
802.11ax HEW20_Nss1,(MCS0)_2TX	17.47	0.05585	19.89	0.09750
802.11ax HEW40_Nss1,(MCS0)_2TX	13.71	0.02350	16.33	0.04295
802.11ax HEW80_Nss1,(MCS0)_2TX	10.02	0.01005	13.01	0.02000



Average Power_outdoor Sample 1

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	5.40	20.95	20.87	23.92	23.98	26.35	30.00
5300MHz	Pass	5.40	20.89	20.74	23.83	23.98	26.29	30.00
5320MHz	Pass	5.40	20.83	21.00	23.93	23.98	26.40	30.00
5500MHz	Pass	5.40	18.84	19.85	22.38	23.98	25.25	30.00
5580MHz	Pass	5.40	20.39	21.19	23.82	23.98	26.59	30.00
5700MHz	Pass	5.40	19.16	19.44	22.31	23.98	24.84	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	19.42	19.91	22.68	22.91	25.31	28.91
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	13.69	13.46	16.59	30.00	19.09	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.40	20.09	20.09	23.10	23.98	25.49	30.00
5300MHz	Pass	5.40	19.98	19.93	22.97	23.98	25.38	30.00
5320MHz	Pass	5.40	20.03	20.01	23.03	23.98	25.43	30.00
5500MHz	Pass	5.40	19.70	18.85	22.31	23.98	25.10	30.00
5580MHz	Pass	5.40	20.29	19.42	22.89	23.98	25.69	30.00
5700MHz	Pass	5.40	16.43	15.99	19.23	23.98	21.83	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	19.75	19.22	22.50	22.99	25.15	28.99
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	13.74	13.61	16.69	30.00	19.14	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.40	20.48	19.61	23.08	23.98	25.88	30.00
5310MHz	Pass	5.40	19.37	18.38	21.91	23.98	24.77	30.00
5510MHz	Pass	5.40	19.22	18.75	22.00	23.98	24.62	30.00
5550MHz	Pass	5.40	20.16	19.94	23.06	23.98	25.56	30.00
5670MHz	Pass	5.40	19.90	19.82	22.87	23.98	25.30	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.40	20.44	20.18	23.32	23.98	25.84	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.40	9.51	9.82	12.68	30.00	15.22	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.40	20.70	20.59	23.66	23.98	26.10	30.00
5300MHz	Pass	5.40	20.56	20.53	23.56	23.98	25.96	30.00
5320MHz	Pass	5.40	20.68	20.52	23.61	23.98	26.08	30.00
5500MHz	Pass	5.40	20.18	19.29	22.77	23.98	25.58	30.00
5580MHz	Pass	5.40	20.90	19.91	23.44	23.98	26.30	30.00
5700MHz	Pass	5.40	16.91	16.34	19.64	23.98	22.31	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	19.96	19.27	22.64	22.96	25.36	28.96
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	13.92	13.75	16.85	30.00	19.32	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.40	21.00	19.98	23.53	23.98	26.40	30.00
5310MHz	Pass	5.40	20.01	19.04	22.56	23.98	25.41	30.00
5510MHz	Pass	5.40	19.63	19.34	22.50	23.98	25.03	30.00
5550MHz	Pass	5.40	20.86	20.44	23.67	23.98	26.26	30.00
5670MHz	Pass	5.40	20.38	20.26	23.33	23.98	25.78	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.40	20.72	20.13	23.45	23.98	26.12	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.40	9.69	9.88	12.80	30.00	15.28	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-



Average Power_outdoor Sample 1

Appendix B.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5290MHz	Pass	5.40	20.00	19.78	22.90	23.98	25.40	30.00
5530MHz	Pass	5.40	19.72	19.53	22.64	23.98	25.12	30.00
5610MHz	Pass	5.40	20.66	20.07	23.39	23.98	26.06	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.40	20.78	20.52	23.66	23.98	26.18	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.40	5.48	6.76	9.18	30.00	12.16	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.40	20.88	20.93	23.92	23.98	26.33	30.00
5300MHz	Pass	5.40	20.77	20.84	23.82	23.98	26.24	30.00
5320MHz	Pass	5.40	20.67	20.84	23.77	23.98	26.24	30.00
5500MHz	Pass	5.40	19.68	20.32	23.02	23.98	25.72	30.00
5580MHz	Pass	5.40	20.29	21.26	23.81	23.98	26.66	30.00
5700MHz	Pass	5.40	17.05	16.64	19.86	23.98	22.45	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	19.46	20.05	22.78	22.94	25.45	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	14.42	14.49	17.47	30.00	19.89	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.40	21.24	20.31	23.81	23.98	26.64	30.00
5310MHz	Pass	5.40	20.35	19.26	22.85	23.98	25.75	30.00
5510MHz	Pass	5.40	19.94	19.50	22.74	23.98	25.34	30.00
5550MHz	Pass	5.40	21.14	20.75	23.96	23.98	26.54	30.00
5670MHz	Pass	5.40	20.84	20.62	23.74	23.98	26.24	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.40	20.91	20.55	23.74	23.98	26.31	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.40	10.45	10.93	13.71	30.00	16.33	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.40	20.26	19.95	23.12	23.98	25.66	30.00
5530MHz	Pass	5.40	20.02	19.81	22.93	23.98	25.42	30.00
5610MHz	Pass	5.40	20.99	20.51	23.77	23.98	26.39	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.40	20.97	20.70	23.85	23.98	26.37	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.40	6.32	7.61	10.02	30.00	13.01	36.00

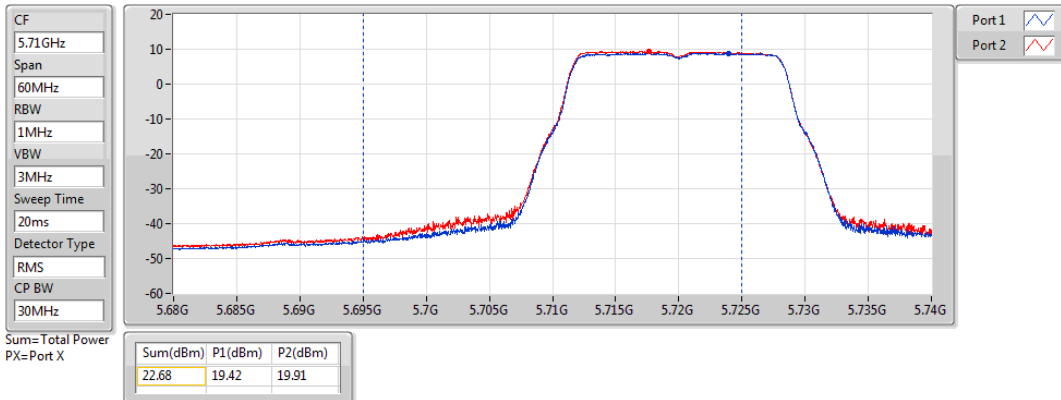
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

17/07/2020

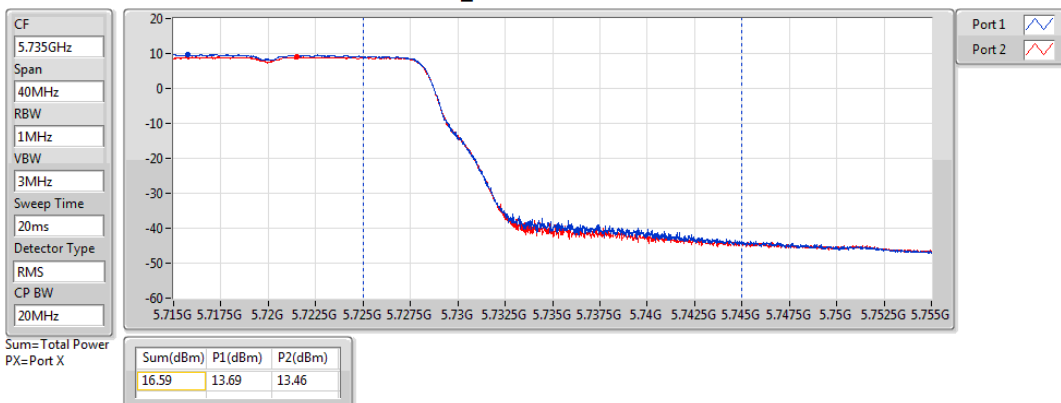


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

18/07/2020

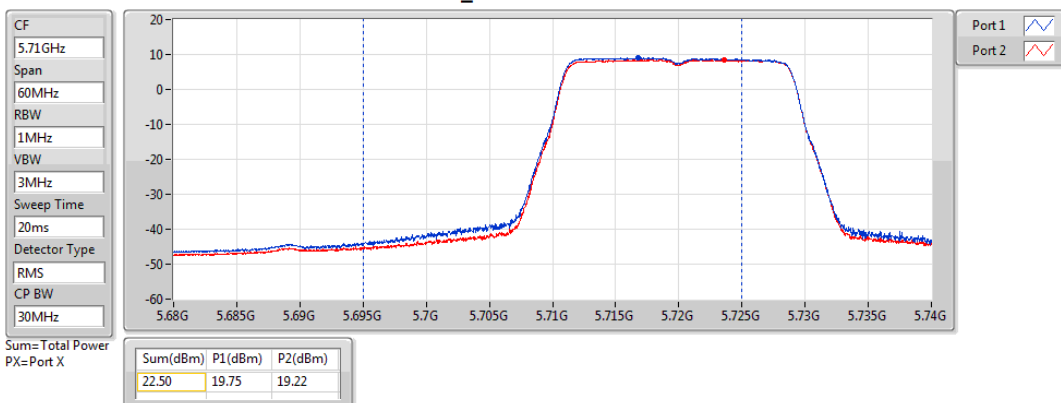


802.11n HT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

22/07/2020

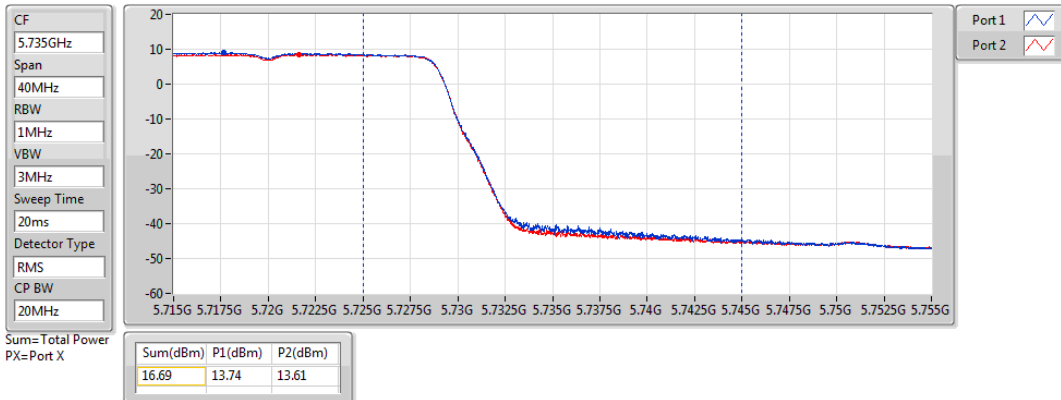


802.11n HT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

22/07/2020

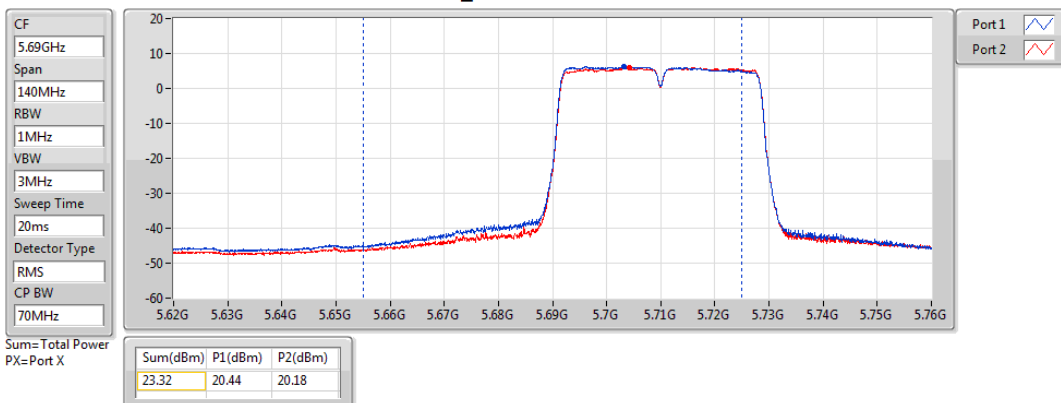


802.11n HT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

22/07/2020

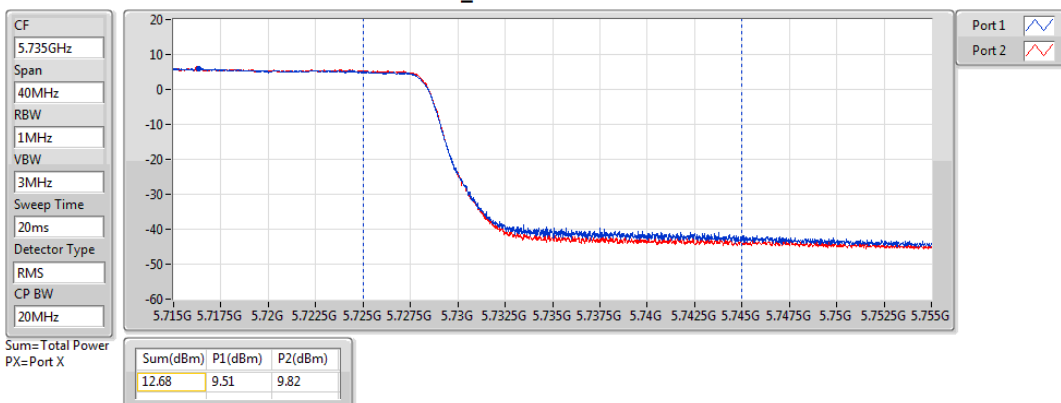


802.11n HT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

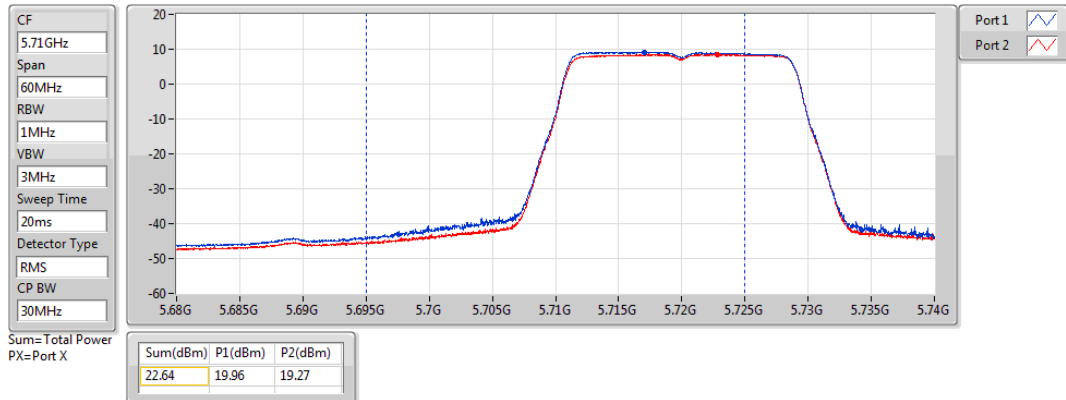
22/07/2020



802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

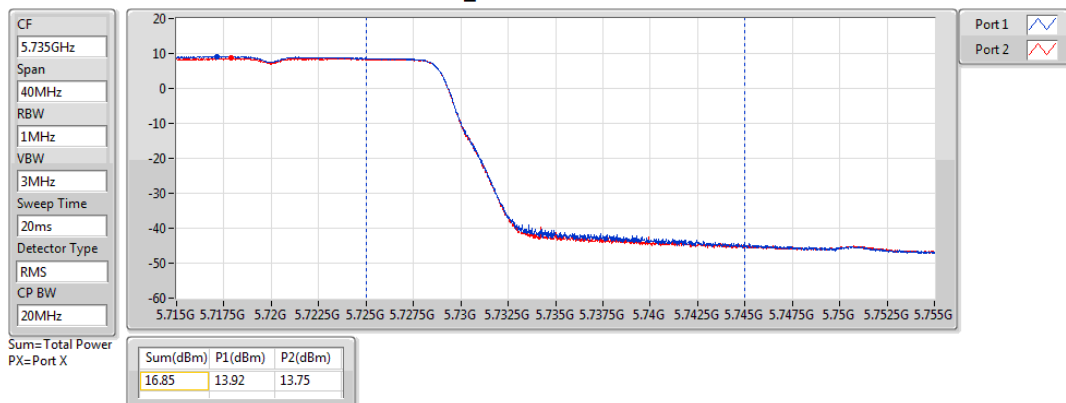
5720MHz Straddle 5.47-5.725GHz_TnomVnom



802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

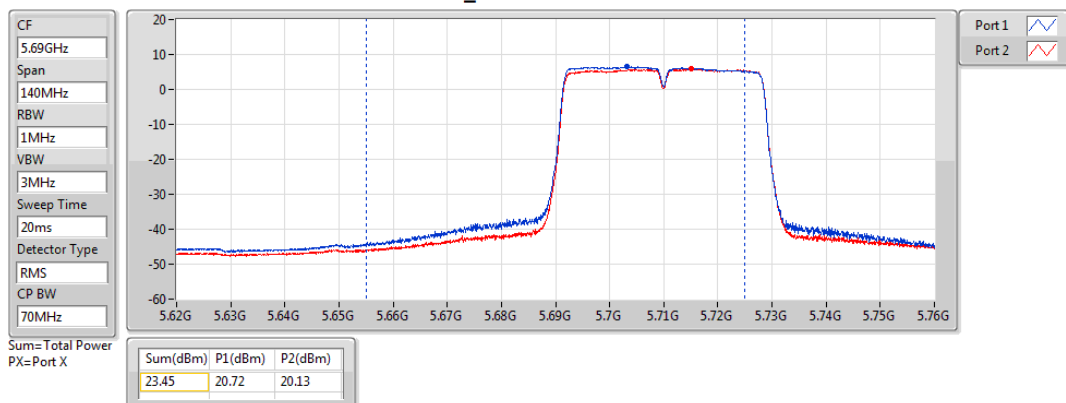
5720MHz Straddle 5.725-5.85GHz_TnomVnom



802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

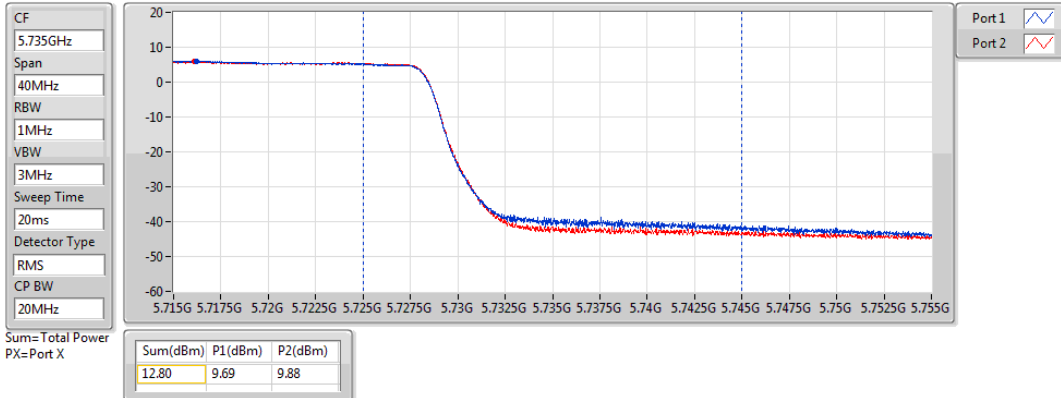


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

17/07/2020

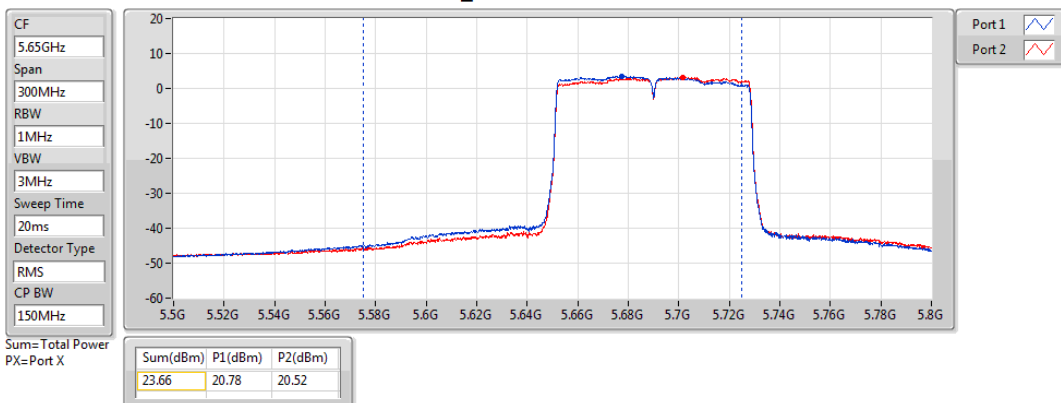


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

18/07/2020

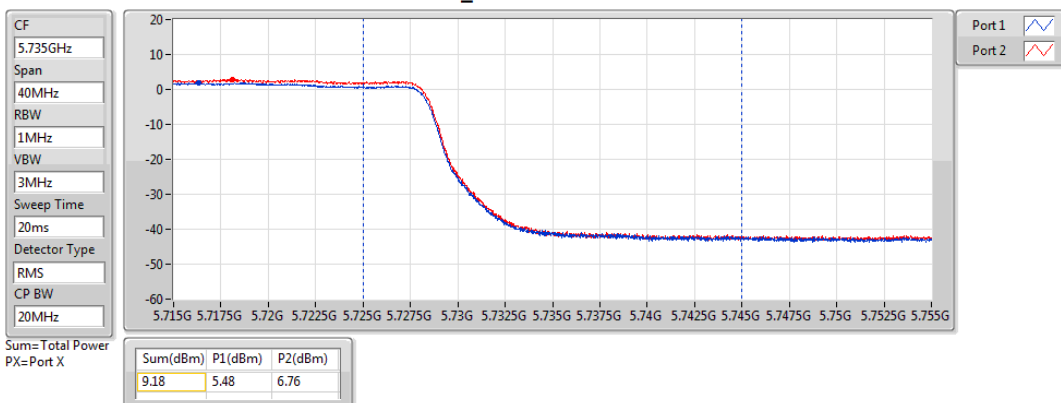


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

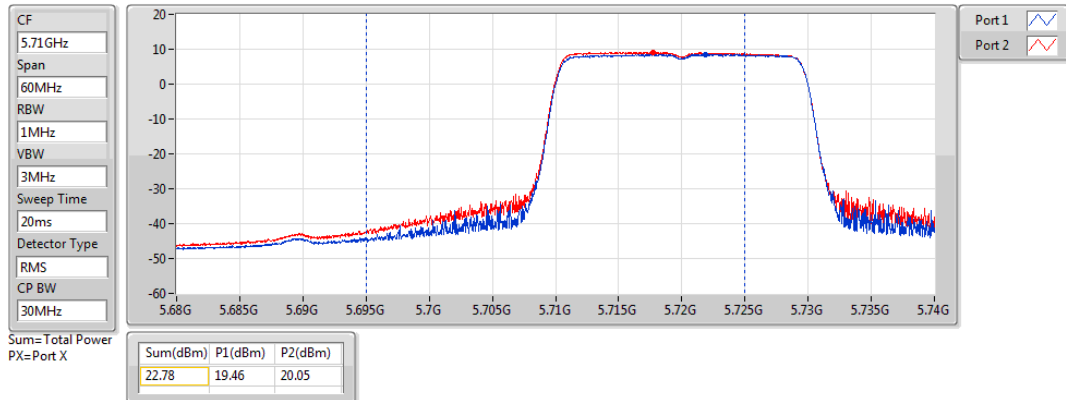
18/07/2020



802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

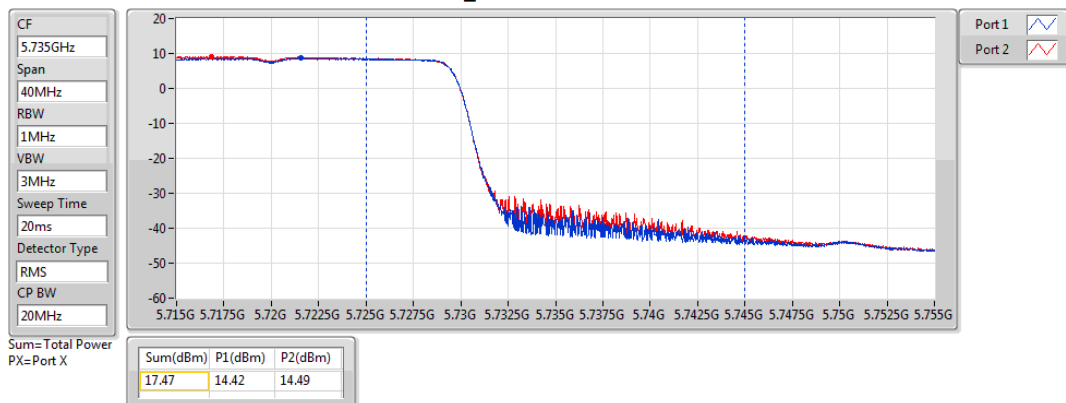
5720MHz Straddle 5.47-5.725GHz_TnomVnom



802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

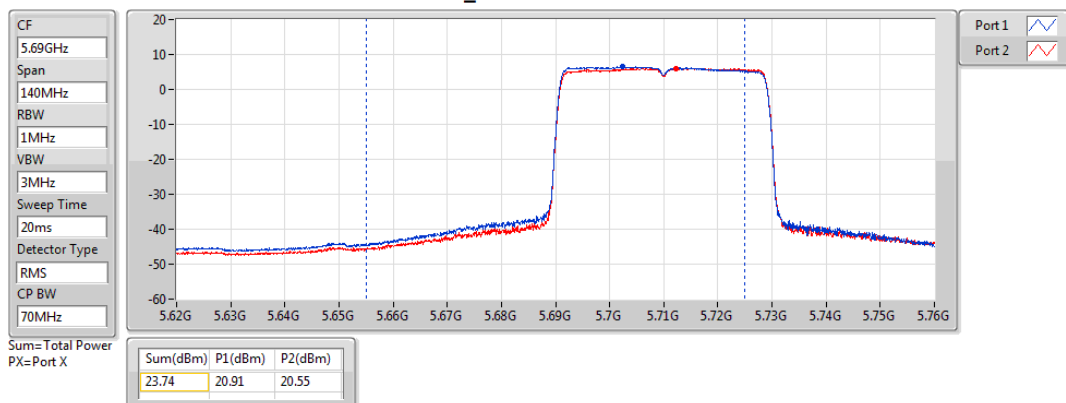
5720MHz Straddle 5.725-5.85GHz_TnomVnom



802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

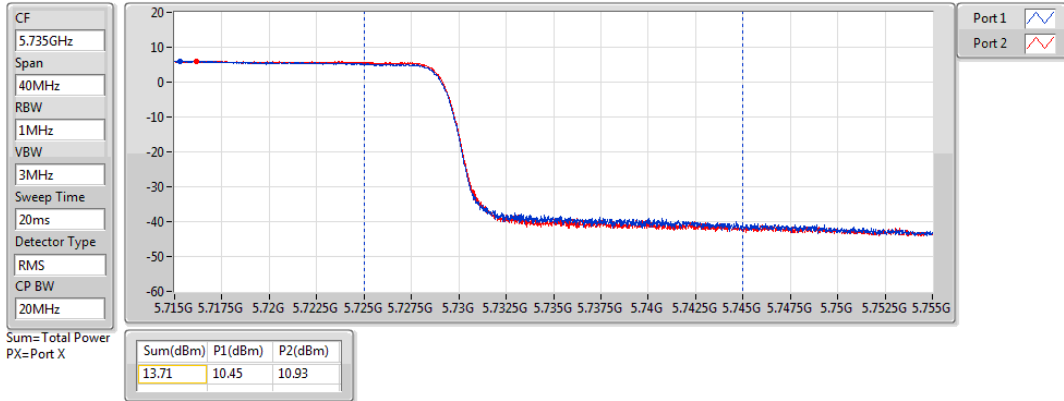


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

17/07/2020

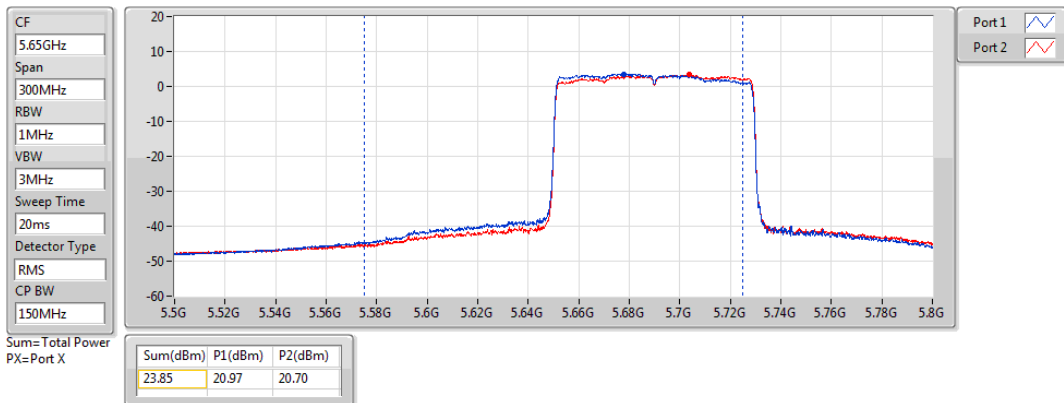


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

17/07/2020

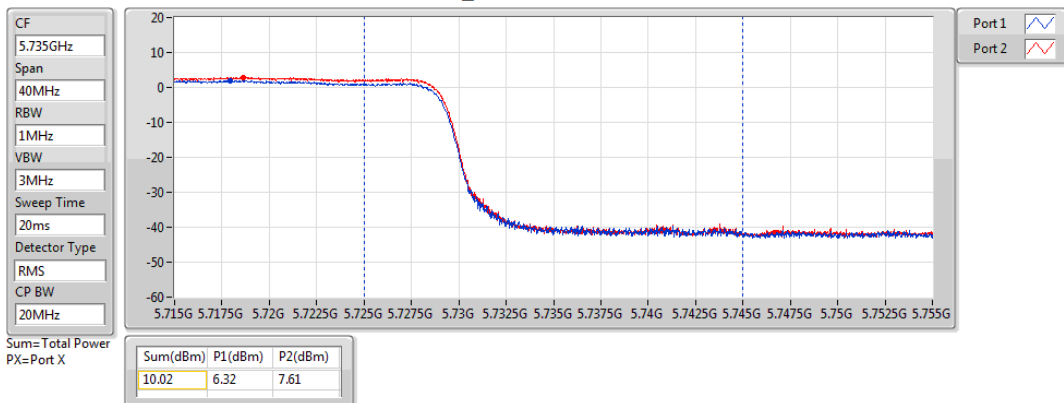


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

17/07/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.84	0.19231	27.00	0.50119
802.11n HT20_Nss1,(MCS0)_2TX	22.60	0.18197	26.70	0.46774
802.11n HT40_Nss1,(MCS0)_2TX	22.25	0.16788	26.46	0.44259
802.11ac VHT20_Nss1,(MCS0)_2TX	22.61	0.18239	26.73	0.47098
802.11ac VHT40_Nss1,(MCS0)_2TX	22.42	0.17458	26.71	0.46881
802.11ac VHT80_Nss1,(MCS0)_2TX	22.56	0.18030	26.66	0.46345
802.11ax HEW20_Nss1,(MCS0)_2TX	22.87	0.19364	27.03	0.50466
802.11ax HEW40_Nss1,(MCS0)_2TX	22.79	0.19011	27.08	0.51050
802.11ax HEW80_Nss1,(MCS0)_2TX	22.87	0.19364	26.99	0.50003
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.79	0.19011	26.97	0.49774
802.11n HT20_Nss1,(MCS0)_2TX	22.57	0.18072	26.75	0.47315
802.11n HT40_Nss1,(MCS0)_2TX	22.30	0.16982	26.65	0.46238
802.11ac VHT20_Nss1,(MCS0)_2TX	22.61	0.18239	26.78	0.47643
802.11ac VHT40_Nss1,(MCS0)_2TX	22.48	0.17701	26.73	0.47098
802.11ac VHT80_Nss1,(MCS0)_2TX	22.44	0.17539	26.64	0.46132
802.11ax HEW20_Nss1,(MCS0)_2TX	22.84	0.19231	27.13	0.51642
802.11ax HEW40_Nss1,(MCS0)_2TX	22.81	0.19099	27.03	0.50466
802.11ax HEW80_Nss1,(MCS0)_2TX	22.76	0.18880	26.93	0.49317
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	15.47	0.03524	19.63	0.09183
802.11n HT20_Nss1,(MCS0)_2TX	15.65	0.03673	19.76	0.09462
802.11n HT40_Nss1,(MCS0)_2TX	11.69	0.01476	15.93	0.03917
802.11ac VHT20_Nss1,(MCS0)_2TX	15.75	0.03758	19.92	0.09817
802.11ac VHT40_Nss1,(MCS0)_2TX	11.85	0.01531	16.18	0.04150
802.11ac VHT80_Nss1,(MCS0)_2TX	7.91	0.00618	12.67	0.01849
802.11ax HEW20_Nss1,(MCS0)_2TX	16.37	0.04335	20.53	0.11298
802.11ax HEW40_Nss1,(MCS0)_2TX	12.78	0.01897	17.15	0.05188
802.11ax HEW80_Nss1,(MCS0)_2TX	8.88	0.00773	13.64	0.02312



Average Power_outdoor Sample 2

Appendix B.4

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	7.10	19.76	19.83	22.81	22.88	26.93	30.00
5300MHz	Pass	7.10	19.75	19.90	22.84	22.88	27.00	30.00
5320MHz	Pass	7.10	19.77	19.80	22.80	22.88	26.90	30.00
5500MHz	Pass	7.10	19.39	19.05	22.23	22.88	26.49	30.00
5580MHz	Pass	7.10	19.87	19.68	22.79	22.88	26.97	30.00
5700MHz	Pass	7.10	18.36	17.96	21.17	22.88	25.46	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	18.90	18.68	21.80	21.81	26.00	28.91
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	12.39	12.53	15.47	28.90	19.63	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	19.53	19.41	22.48	22.88	26.63	30.00
5300MHz	Pass	7.10	19.58	19.60	22.60	22.88	26.70	30.00
5320MHz	Pass	7.10	19.45	19.39	22.43	22.88	26.55	30.00
5500MHz	Pass	7.10	19.65	19.46	22.57	22.88	26.75	30.00
5580MHz	Pass	7.10	19.41	19.01	22.22	22.88	26.51	30.00
5700MHz	Pass	7.10	16.41	15.96	19.20	22.88	23.51	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	18.55	18.25	21.41	21.84	25.65	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	12.61	12.66	15.65	28.90	19.76	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	19.36	19.11	22.25	22.88	26.46	30.00
5310MHz	Pass	7.10	19.28	19.13	22.22	22.88	26.38	30.00
5510MHz	Pass	7.10	18.90	18.61	21.77	22.88	26.00	30.00
5550MHz	Pass	7.10	19.55	19.02	22.30	22.88	26.65	30.00
5670MHz	Pass	7.10	19.11	18.66	21.90	22.88	26.21	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	19.50	19.07	22.30	22.88	26.60	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	8.53	8.83	11.69	28.90	15.93	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	19.51	19.57	22.55	22.88	26.67	30.00
5300MHz	Pass	7.10	19.47	19.62	22.56	22.88	26.72	30.00
5320MHz	Pass	7.10	19.57	19.63	22.61	22.88	26.73	30.00
5500MHz	Pass	7.10	19.68	19.51	22.61	22.88	26.78	30.00
5580MHz	Pass	7.10	19.44	19.00	22.24	22.88	26.54	30.00
5700MHz	Pass	7.10	16.56	16.22	19.40	22.88	23.66	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	18.67	18.48	21.59	21.87	25.77	28.97
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	12.66	12.82	15.75	28.90	19.92	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	19.38	19.21	22.31	22.88	26.48	30.00
5310MHz	Pass	7.10	19.61	19.20	22.42	22.88	26.71	30.00
5510MHz	Pass	7.10	18.92	18.52	21.73	22.88	26.02	30.00
5550MHz	Pass	7.10	19.57	19.20	22.40	22.88	26.67	30.00
5670MHz	Pass	7.10	19.63	19.30	22.48	22.88	26.73	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	19.53	19.38	22.47	22.88	26.63	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	8.58	9.08	11.85	28.90	16.18	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-



Average Power_outdoor Sample 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)
5290MHz	Pass	7.10	19.53	19.56	22.56	22.88	26.66	30.00
5530MHz	Pass	7.10	19.11	18.96	22.05	22.88	26.21	30.00
5610MHz	Pass	7.10	19.54	19.32	22.44	22.88	26.64	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10	19.37	19.44	22.42	22.88	26.54	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	4.10	5.57	7.91	28.90	12.67	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	19.75	19.85	22.81	22.88	26.95	30.00
5300MHz	Pass	7.10	19.79	19.93	22.87	22.88	27.03	30.00
5320MHz	Pass	7.10	19.83	19.88	22.87	22.88	26.98	30.00
5500MHz	Pass	7.10	20.03	19.62	22.84	22.88	27.13	30.00
5580MHz	Pass	7.10	19.99	19.31	22.67	22.88	27.09	30.00
5700MHz	Pass	7.10	16.88	16.45	19.68	22.88	23.98	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	18.85	18.63	21.75	21.88	25.95	28.98
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	13.28	13.43	16.37	28.90	20.53	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	19.98	19.39	22.71	22.88	27.08	30.00
5310MHz	Pass	7.10	19.97	19.59	22.79	22.88	27.07	30.00
5510MHz	Pass	7.10	19.16	18.79	21.99	22.88	26.26	30.00
5550MHz	Pass	7.10	19.93	19.56	22.76	22.88	27.03	30.00
5670MHz	Pass	7.10	19.73	19.42	22.59	22.88	26.83	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	19.91	19.69	22.81	22.88	27.01	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	9.46	10.05	12.78	28.90	17.15	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.10	19.89	19.83	22.87	22.88	26.99	30.00
5530MHz	Pass	7.10	19.43	19.03	22.24	22.88	26.53	30.00
5610MHz	Pass	7.10	19.83	19.62	22.74	22.88	26.93	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10	19.75	19.74	22.76	22.88	26.85	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	5.08	6.54	8.88	28.90	13.64	36.00

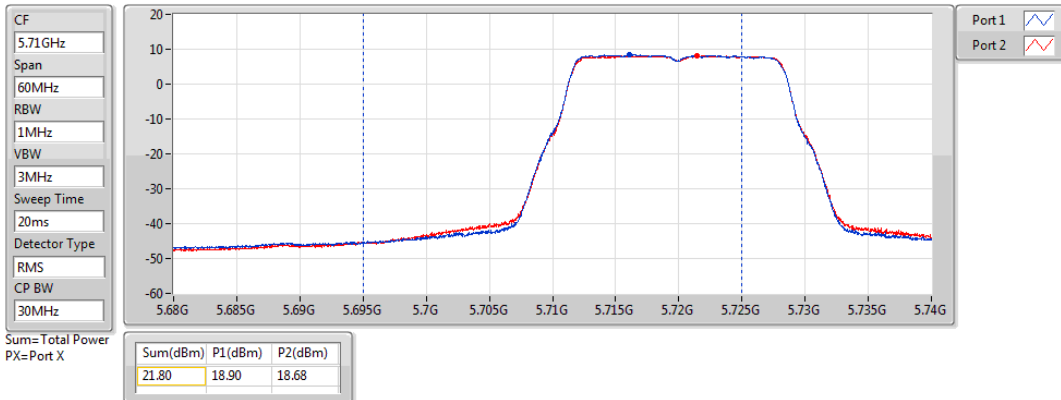
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

16/07/2020

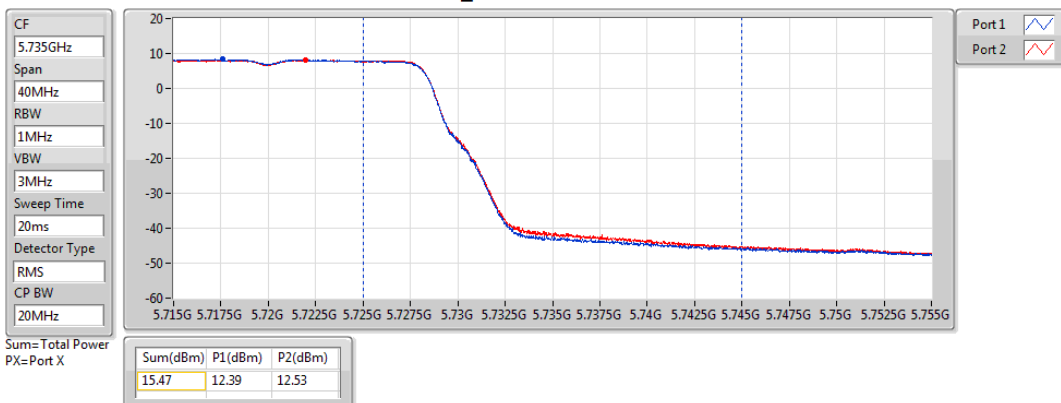


802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

16/07/2020

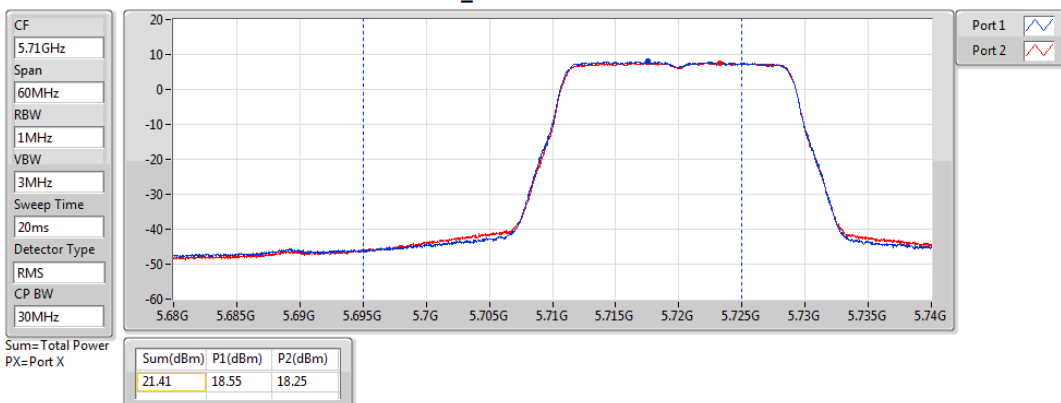


802.11n HT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

22/07/2020

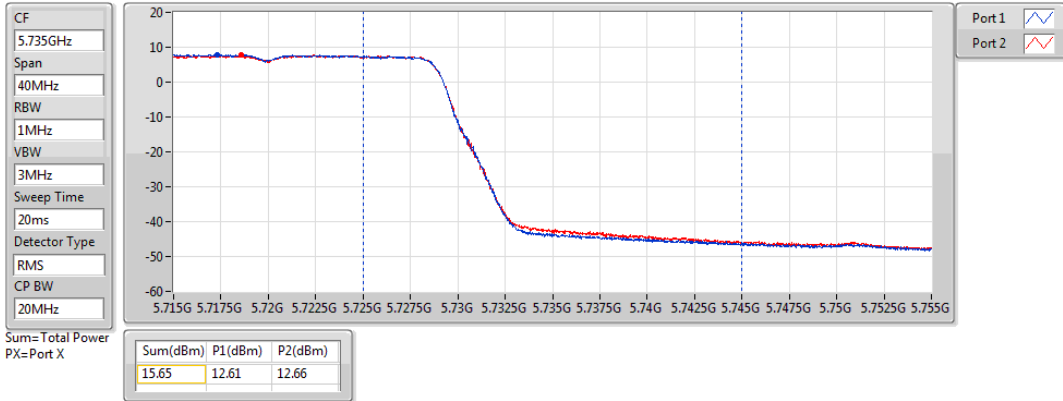


802.11n HT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

22/07/2020

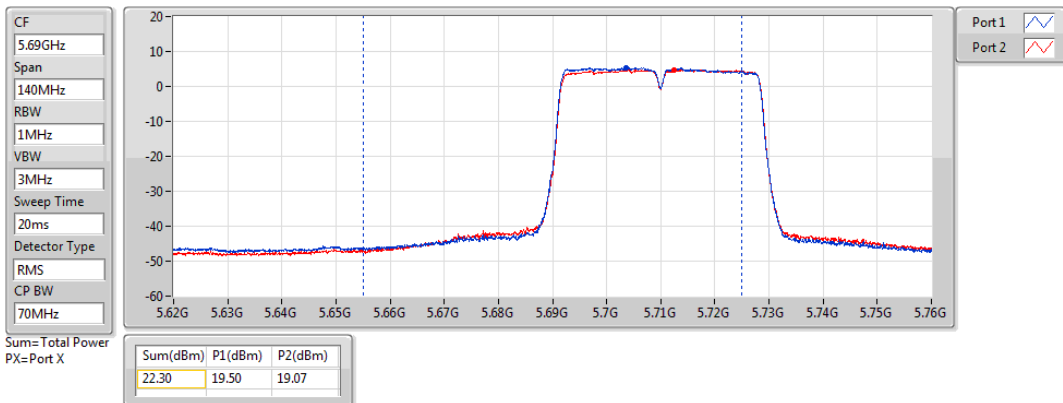


802.11n HT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

22/07/2020

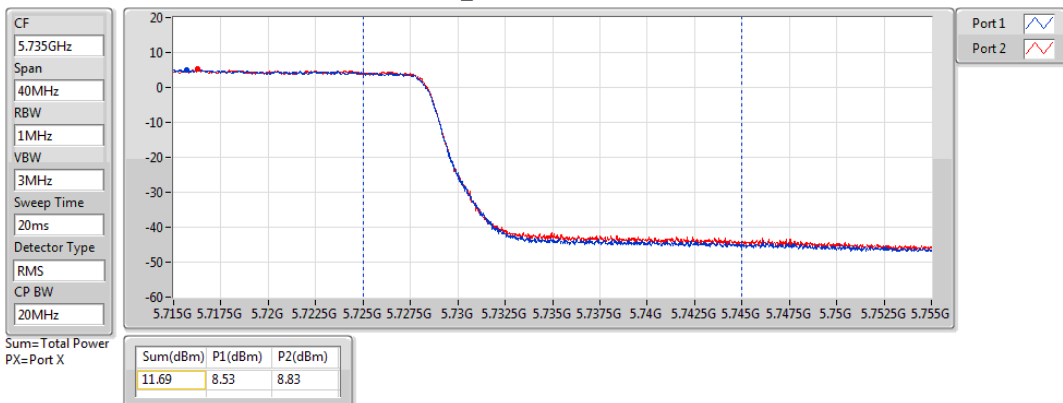


802.11n HT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

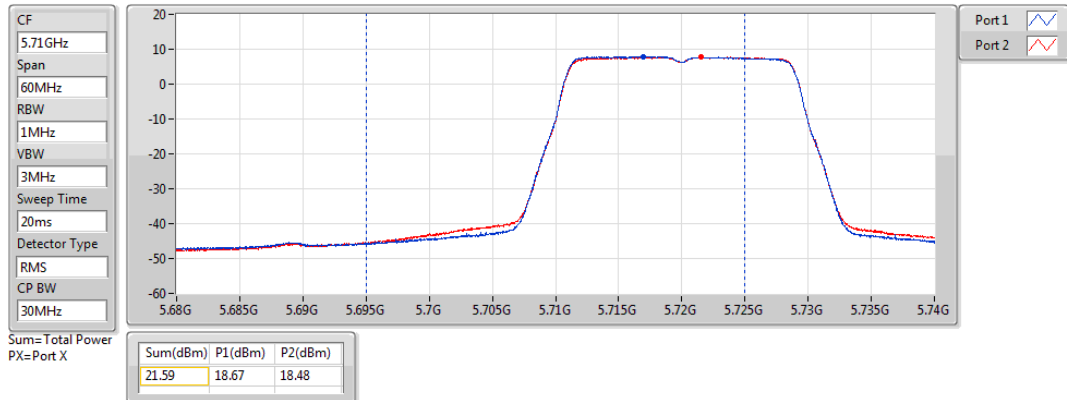
22/07/2020



802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

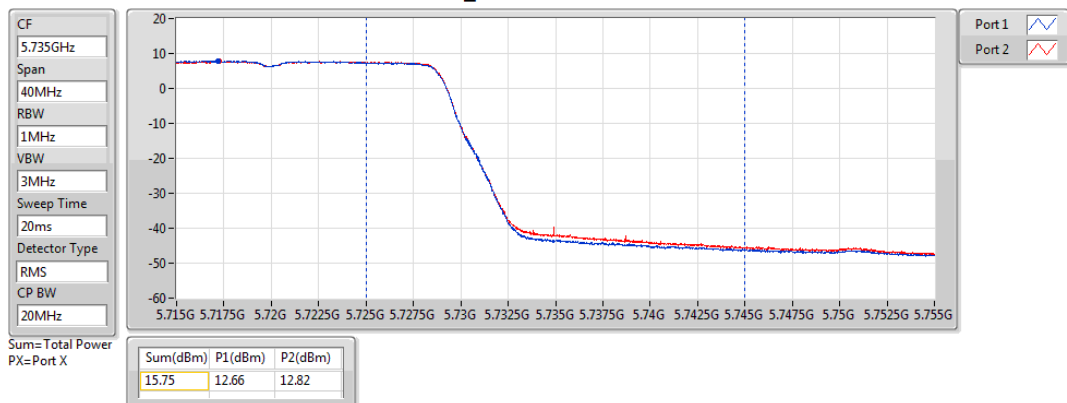
5720MHz Straddle 5.47-5.725GHz_TnomVnom



802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

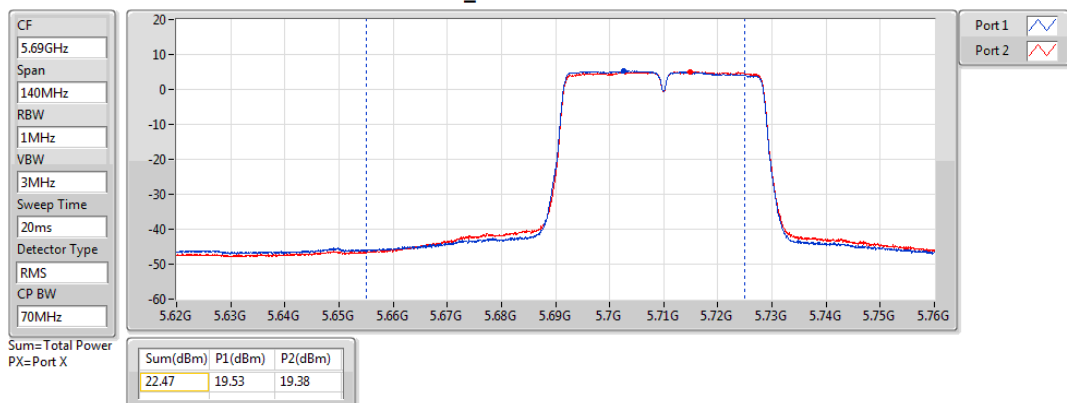
5720MHz Straddle 5.725-5.85GHz_TnomVnom



802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

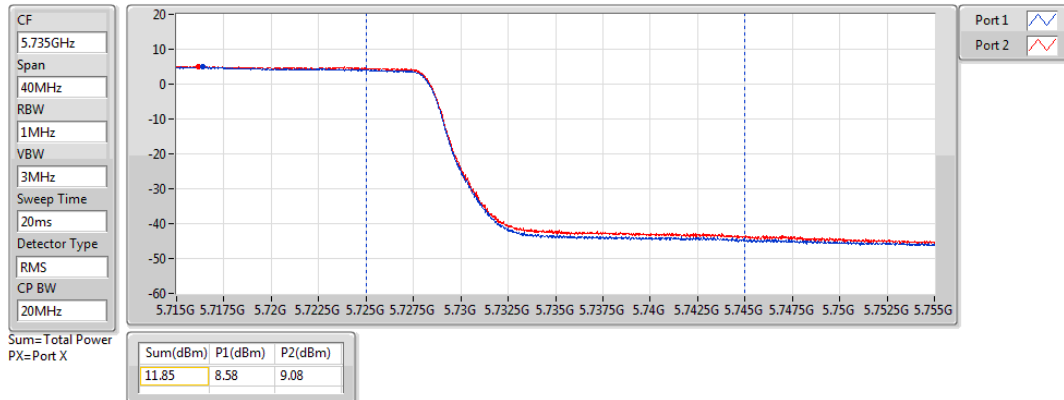


802.11ac VHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

16/07/2020

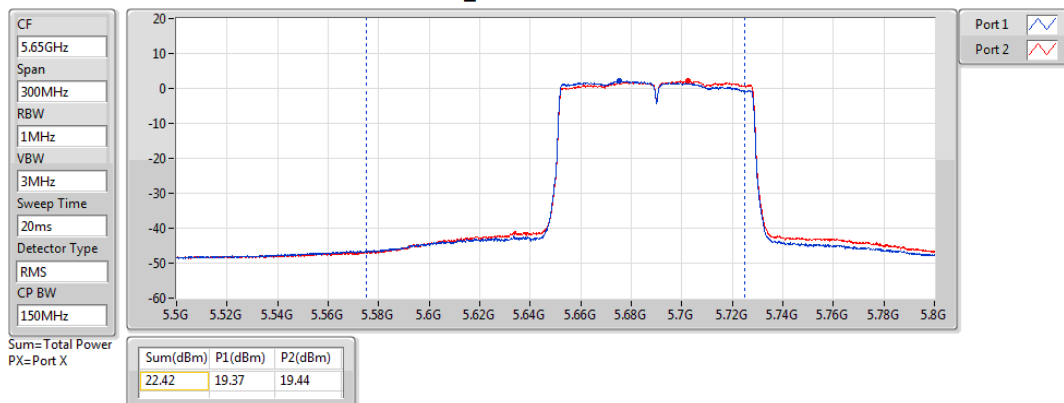


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

16/07/2020

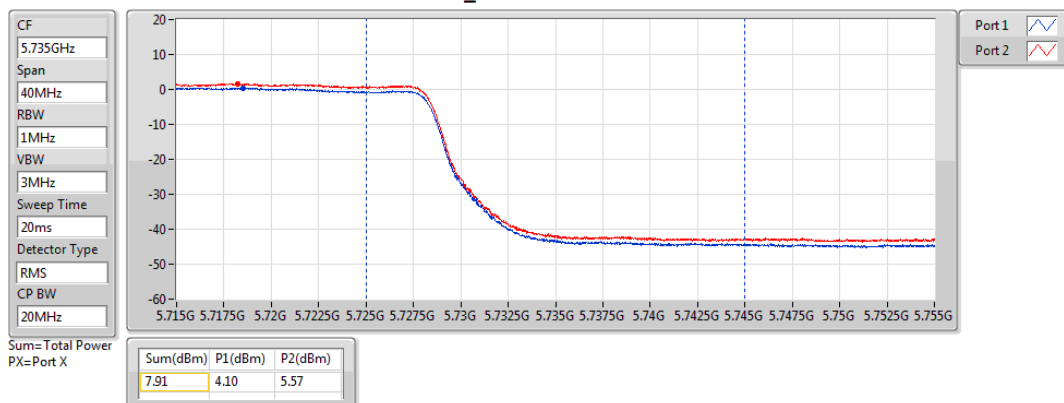


802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

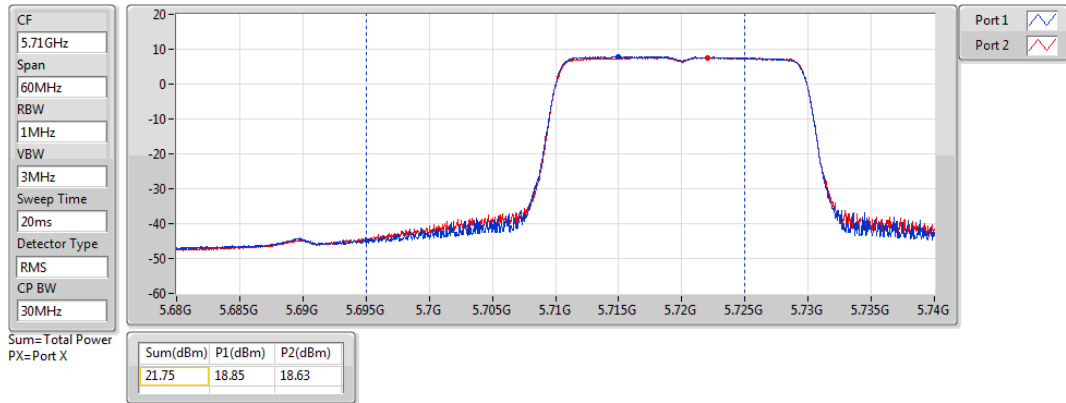
16/07/2020



802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

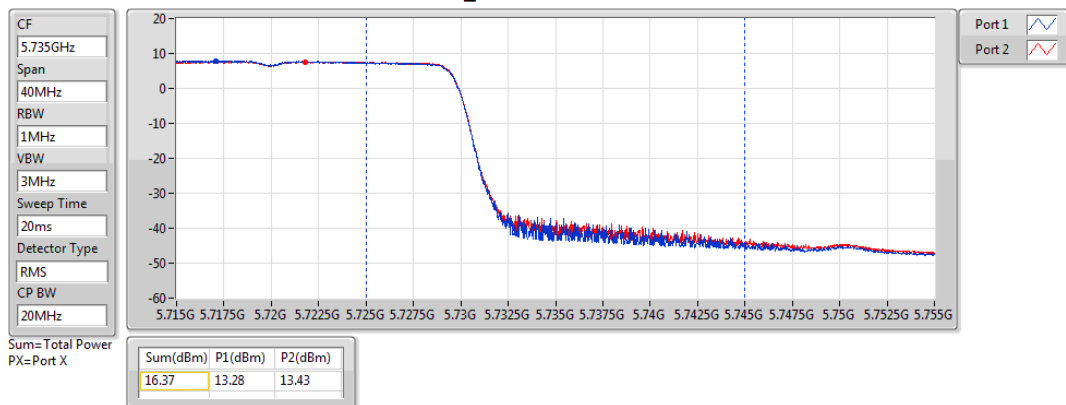
5720MHz Straddle 5.47-5.725GHz_TnomVnom



802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

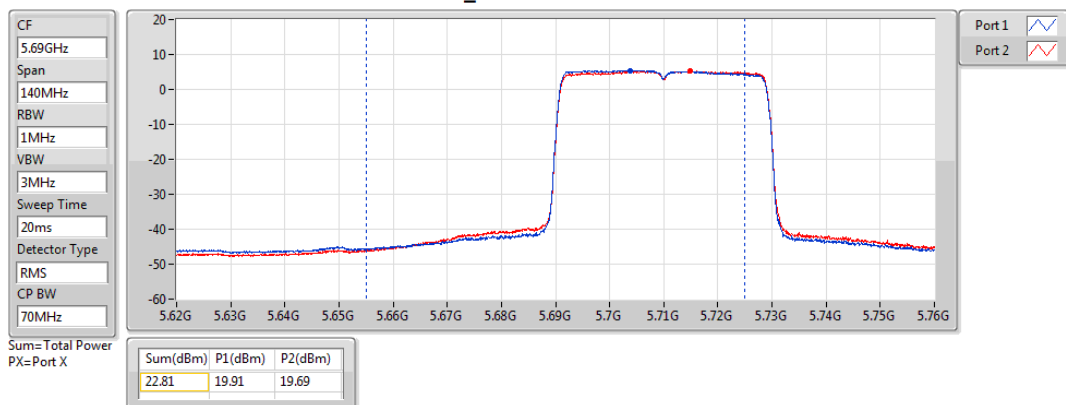
5720MHz Straddle 5.725-5.85GHz_TnomVnom



802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

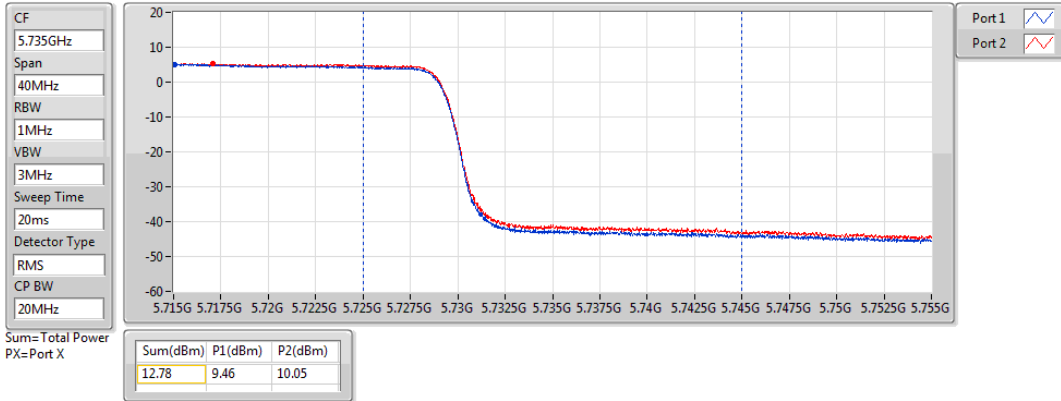


802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

16/07/2020

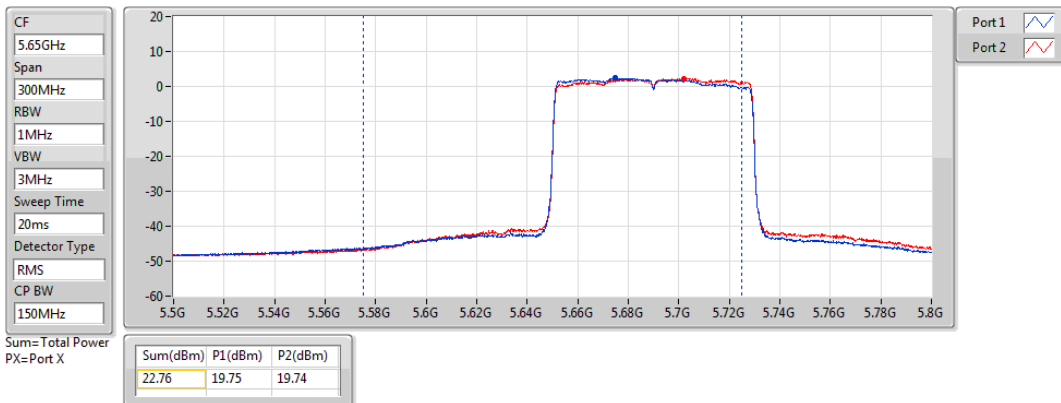


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

16/07/2020

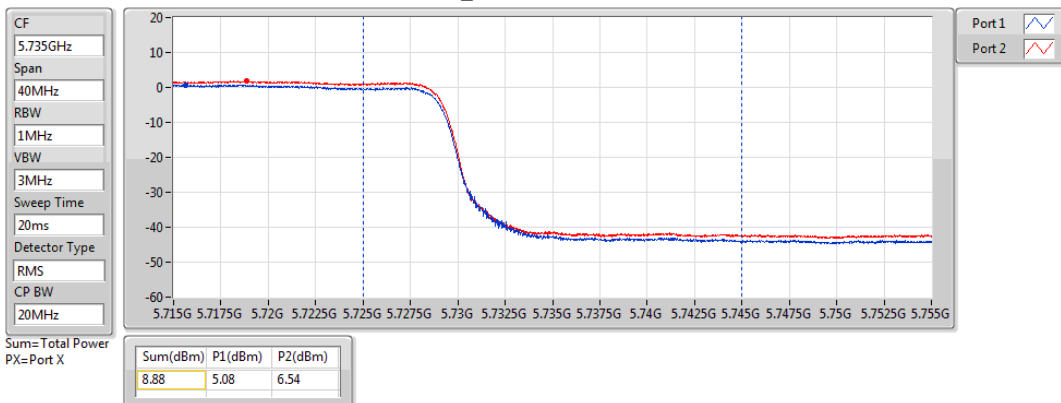


802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

16/07/2020



**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.77	13.26
802.11n HT20_Nss1,(MCS0)_2TX	9.97	12.54
802.11n HT40_Nss1,(MCS0)_2TX	7.13	10.11
802.11ac VHT20_Nss1,(MCS0)_2TX	10.17	12.72
802.11ac VHT40_Nss1,(MCS0)_2TX	7.18	10.15
802.11ac VHT80_Nss1,(MCS0)_2TX	3.80	6.50
802.11ax HEW20_Nss1,(MCS0)_2TX	10.07	12.58
802.11ax HEW40_Nss1,(MCS0)_2TX	7.28	10.18
802.11ax HEW80_Nss1,(MCS0)_2TX	3.78	6.32
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.67	13.57
802.11n HT20_Nss1,(MCS0)_2TX	10.25	12.98
802.11n HT40_Nss1,(MCS0)_2TX	7.44	10.10
802.11ac VHT20_Nss1,(MCS0)_2TX	10.31	13.13
802.11ac VHT40_Nss1,(MCS0)_2TX	7.63	10.40
802.11ac VHT80_Nss1,(MCS0)_2TX	4.66	7.44
802.11ax HEW20_Nss1,(MCS0)_2TX	10.20	13.00
802.11ax HEW40_Nss1,(MCS0)_2TX	7.69	10.35
802.11ax HEW80_Nss1,(MCS0)_2TX	4.70	7.42
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.99	11.58
802.11n HT20_Nss1,(MCS0)_2TX	8.36	10.93
802.11n HT40_Nss1,(MCS0)_2TX	5.14	7.70
802.11ac VHT20_Nss1,(MCS0)_2TX	8.44	11.01
802.11ac VHT40_Nss1,(MCS0)_2TX	5.24	7.72
802.11ac VHT80_Nss1,(MCS0)_2TX	1.64	4.74
802.11ax HEW20_Nss1,(MCS0)_2TX	8.44	10.92
802.11ax HEW40_Nss1,(MCS0)_2TX	5.42	8.02
802.11ax HEW80_Nss1,(MCS0)_2TX	1.98	5.04

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	5.40	7.77	7.86	10.70	11.00	13.26	17.00
5300MHz	Pass	5.40	7.66	7.65	10.66	11.00	13.06	17.00
5320MHz	Pass	5.40	7.76	7.81	10.77	11.00	13.21	17.00
5500MHz	Pass	5.40	5.61	6.70	9.17	11.00	12.10	17.00
5580MHz	Pass	5.40	7.25	8.17	10.67	11.00	13.57	17.00
5700MHz	Pass	5.40	6.01	6.27	9.01	11.00	11.67	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	7.36	7.87	10.59	11.00	13.27	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	6.18	5.86	8.99	30.00	11.58	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.40	7.14	6.98	9.97	11.00	12.54	17.00
5300MHz	Pass	5.40	6.98	7.00	9.88	11.00	12.40	17.00
5320MHz	Pass	5.40	7.03	6.86	9.88	11.00	12.43	17.00
5500MHz	Pass	5.40	6.64	5.82	9.22	11.00	12.04	17.00
5580MHz	Pass	5.40	7.46	6.54	9.96	11.00	12.86	17.00
5700MHz	Pass	5.40	3.50	3.09	6.25	11.00	8.90	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	7.58	6.93	10.25	11.00	12.98	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	5.53	5.32	8.36	30.00	10.93	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.40	4.71	3.95	7.13	11.00	10.11	17.00
5310MHz	Pass	5.40	3.51	2.65	6.02	11.00	8.91	17.00
5510MHz	Pass	5.40	3.50	3.05	6.12	11.00	8.90	17.00
5550MHz	Pass	5.40	4.51	4.16	7.25	11.00	9.91	17.00
5670MHz	Pass	5.40	4.02	4.07	6.99	11.00	9.47	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.40	4.70	4.42	7.44	11.00	10.10	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.40	2.05	2.30	5.14	30.00	7.70	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.40	7.32	7.14	10.17	11.00	12.72	17.00
5300MHz	Pass	5.40	7.14	7.14	10.12	11.00	12.54	17.00
5320MHz	Pass	5.40	7.23	7.08	10.08	11.00	12.63	17.00
5500MHz	Pass	5.40	6.86	5.99	9.37	11.00	12.26	17.00
5580MHz	Pass	5.40	7.73	6.64	10.19	11.00	13.13	17.00
5700MHz	Pass	5.40	3.54	3.01	6.28	11.00	8.94	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	7.66	7.04	10.31	11.00	13.06	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	5.61	5.37	8.44	30.00	11.01	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.40	4.75	3.63	7.18	11.00	10.15	17.00
5310MHz	Pass	5.40	3.63	2.65	6.13	11.00	9.03	17.00
5510MHz	Pass	5.40	3.52	3.12	6.22	11.00	8.92	17.00
5550MHz	Pass	5.40	4.68	4.20	7.42	11.00	10.08	17.00
5670MHz	Pass	5.40	4.28	4.00	7.08	11.00	9.68	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.40	5.00	4.39	7.63	11.00	10.40	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.40	2.26	2.32	5.24	30.00	7.72	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-



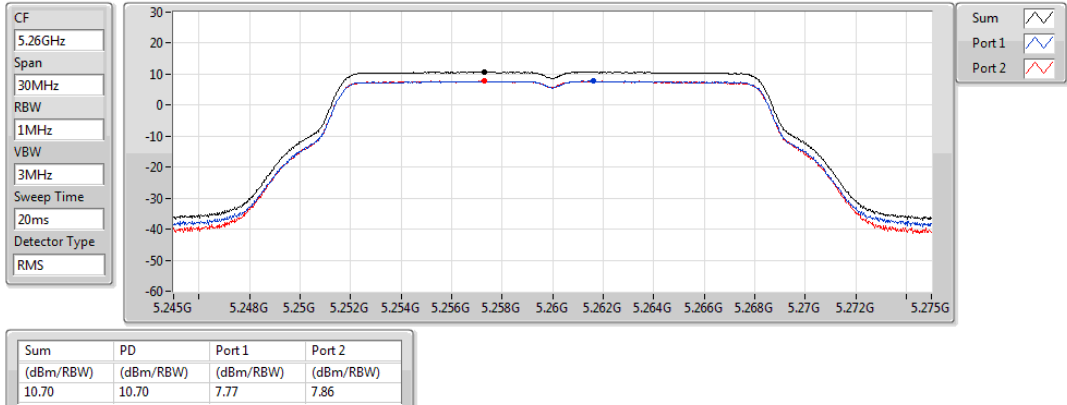
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5290MHz	Pass	5.40	1.10	0.68	3.80	11.00	6.50	17.00
5530MHz	Pass	5.40	0.84	0.45	3.63	11.00	6.24	17.00
5610MHz	Pass	5.40	1.96	1.20	4.51	11.00	7.36	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.40	2.04	1.77	4.66	11.00	7.44	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.40	-1.91	-0.66	1.64	30.00	4.74	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.40	7.03	7.18	10.07	11.00	12.58	17.00
5300MHz	Pass	5.40	7.04	7.15	10.05	11.00	12.55	17.00
5320MHz	Pass	5.40	6.91	7.12	10.00	11.00	12.52	17.00
5500MHz	Pass	5.40	5.98	6.71	9.33	11.00	12.11	17.00
5580MHz	Pass	5.40	6.61	7.60	10.10	11.00	13.00	17.00
5700MHz	Pass	5.40	3.82	3.31	6.50	11.00	9.22	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	7.08	7.46	10.20	11.00	12.86	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	5.39	5.52	8.44	30.00	10.92	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.40	4.78	3.85	7.28	11.00	10.18	17.00
5310MHz	Pass	5.40	3.77	2.76	6.26	11.00	9.17	17.00
5510MHz	Pass	5.40	3.62	3.09	6.32	11.00	9.02	17.00
5550MHz	Pass	5.40	4.81	4.31	7.54	11.00	10.21	17.00
5670MHz	Pass	5.40	4.44	4.22	7.27	11.00	9.84	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.40	4.95	4.55	7.69	11.00	10.35	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.40	2.34	2.62	5.42	30.00	8.02	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.40	0.92	0.72	3.78	11.00	6.32	17.00
5530MHz	Pass	5.40	0.90	0.46	3.58	11.00	6.30	17.00
5610MHz	Pass	5.40	1.99	1.41	4.70	11.00	7.39	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.40	2.02	1.82	4.68	11.00	7.42	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.40	-1.64	-0.36	1.98	30.00	5.04	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;

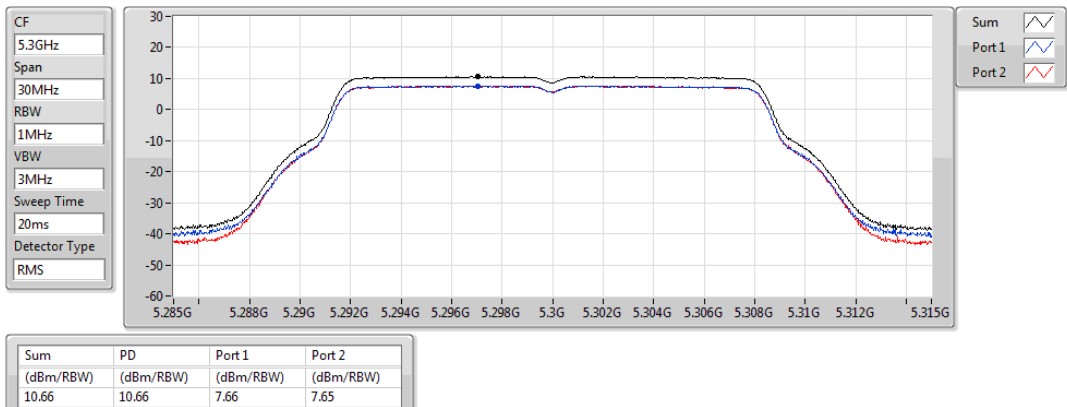
802.11a_Nss1,(6Mbps)_2TX

5260MHz



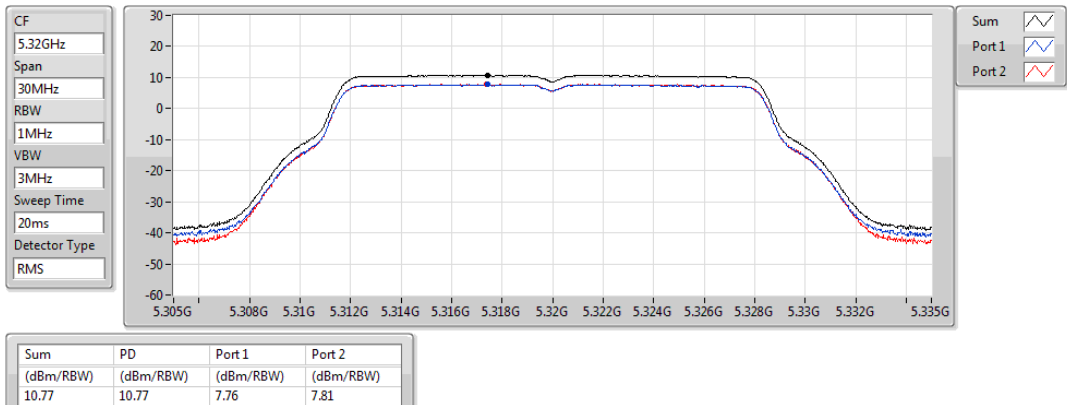
802.11a_Nss1,(6Mbps)_2TX

5300MHz



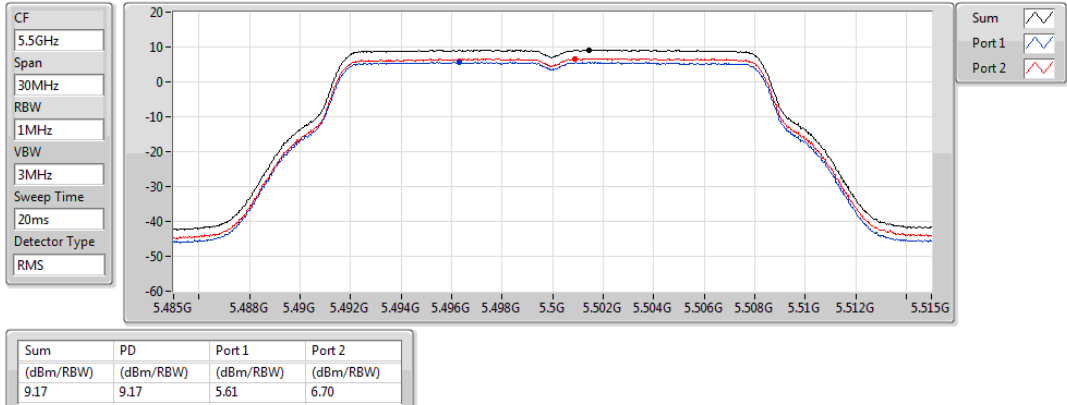
802.11a_Nss1,(6Mbps)_2TX

5320MHz



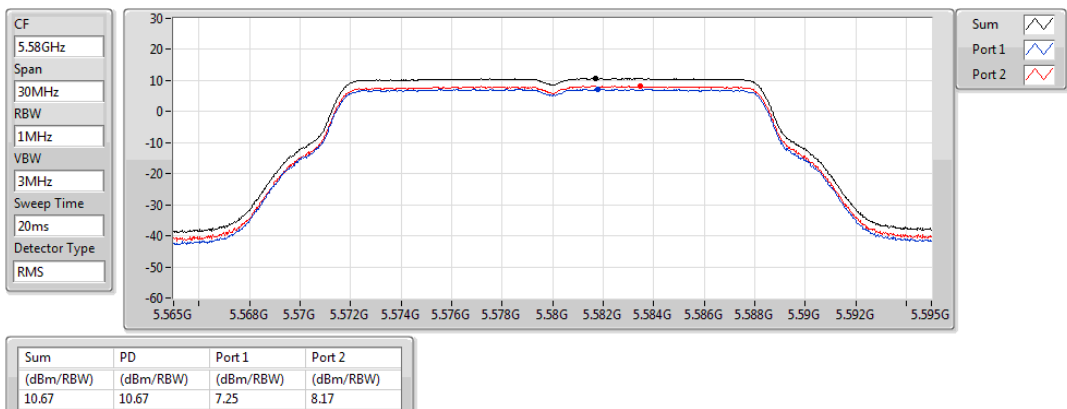
802.11a_Nss1,(6Mbps)_2TX

5500MHz



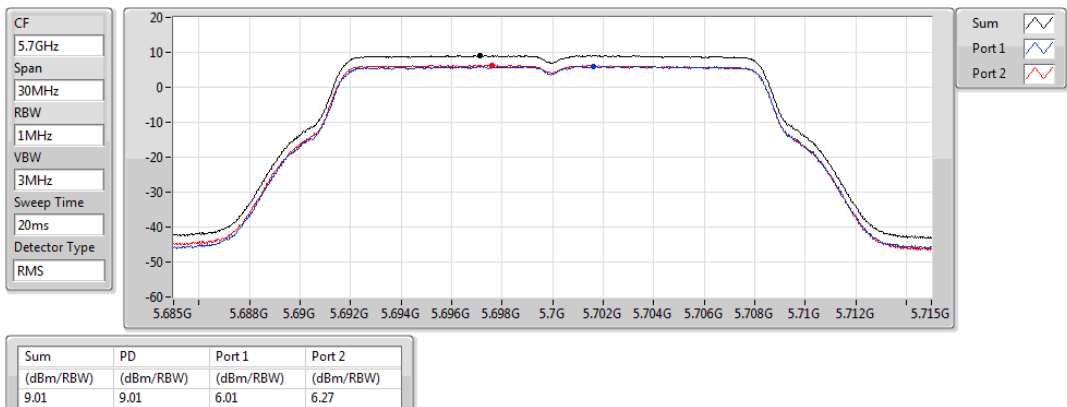
802.11a_Nss1,(6Mbps)_2TX

5580MHz



802.11a_Nss1,(6Mbps)_2TX

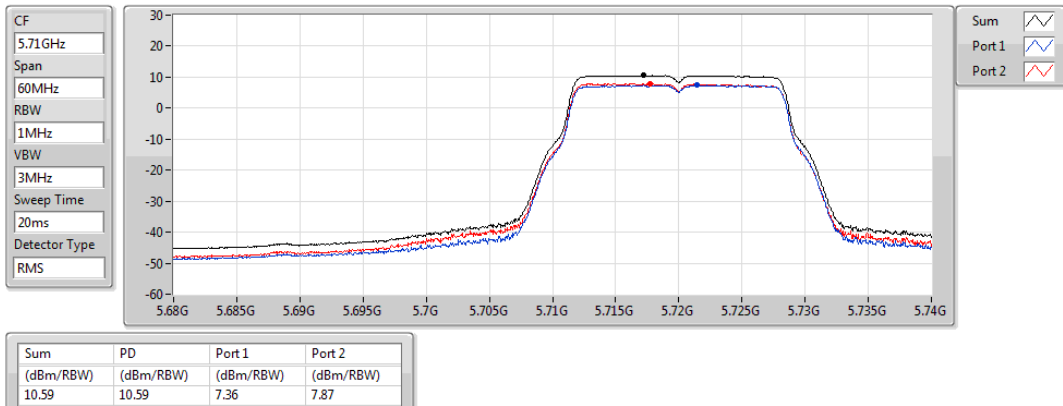
5700MHz



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

PSD

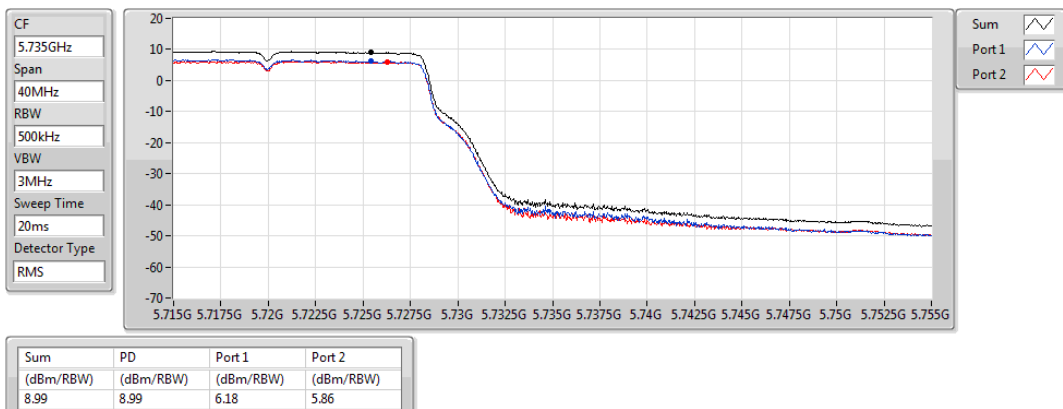
17/07/2020



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

PSD

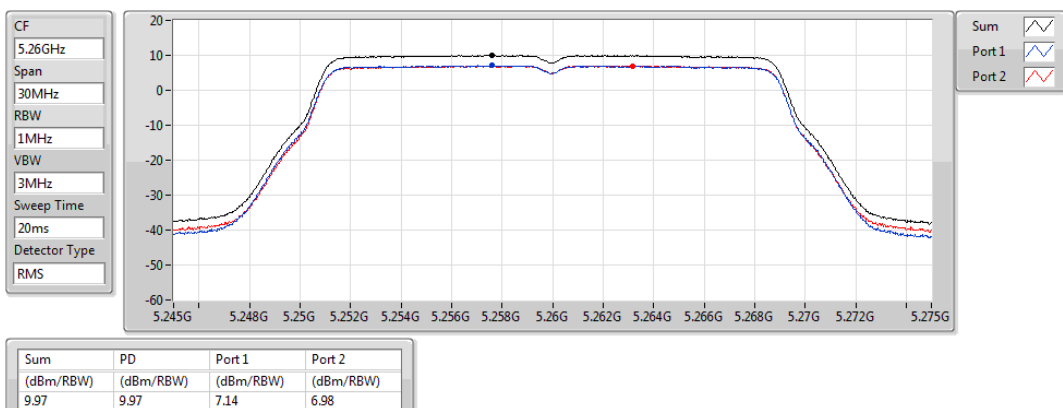
18/07/2020



802.11n HT20_Nss1,(MCS0)_2TX
5260MHz

PSD

22/07/2020

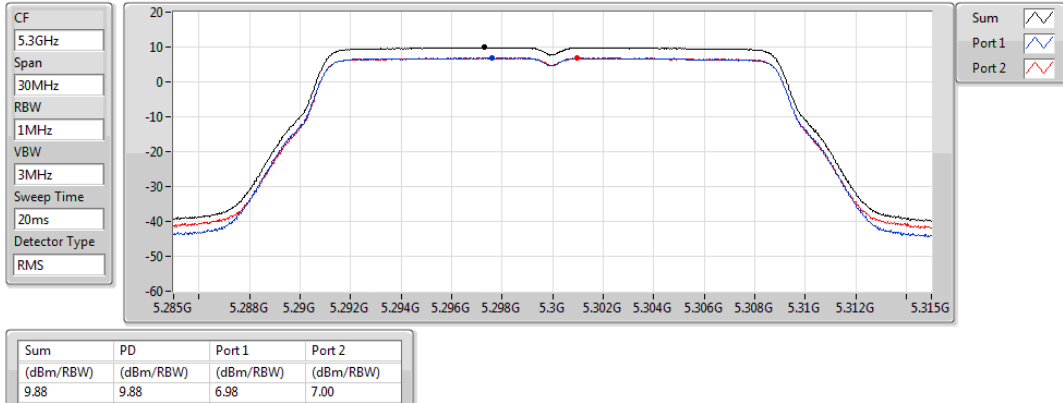


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5300MHz

22/07/2020

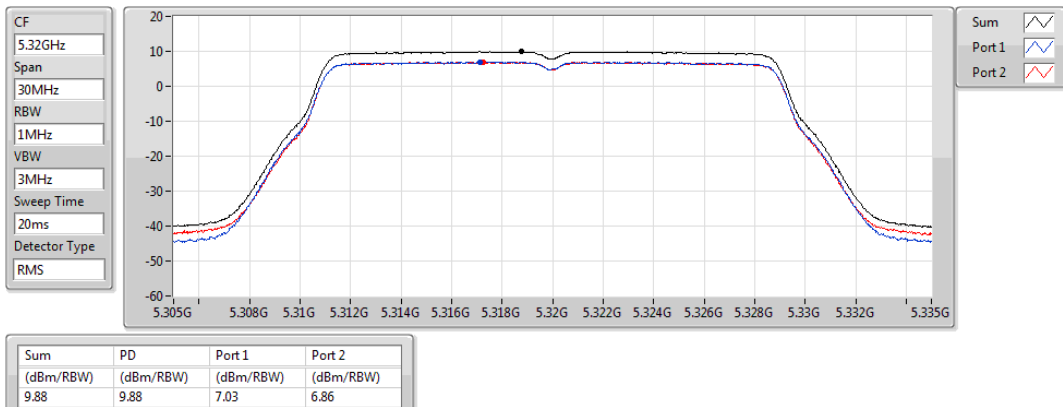


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5320MHz

22/07/2020

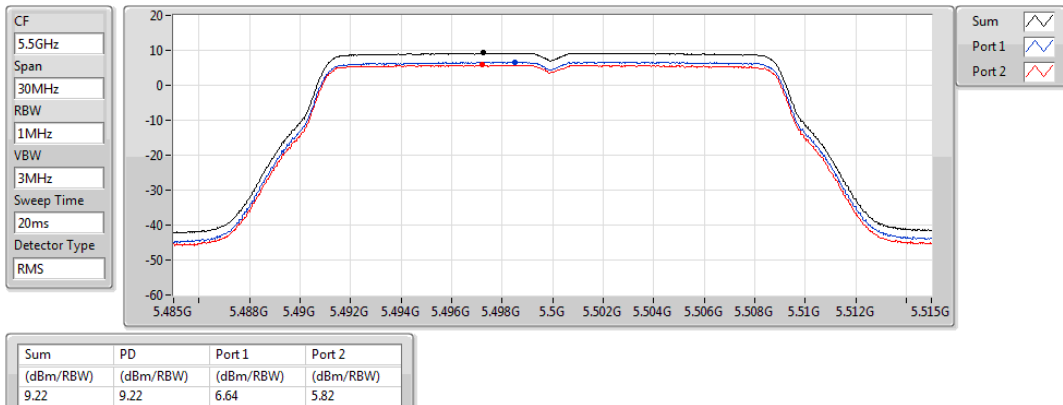


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5500MHz

22/07/2020

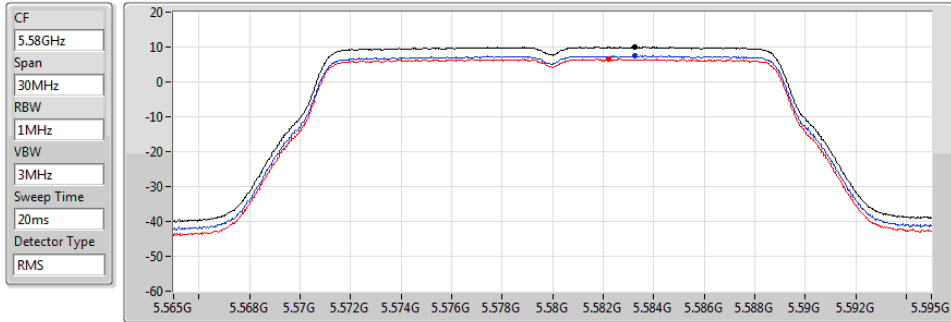


802.11n HT20_Nss1,(MCS0)_2TX

PSD

5580MHz

22/07/2020



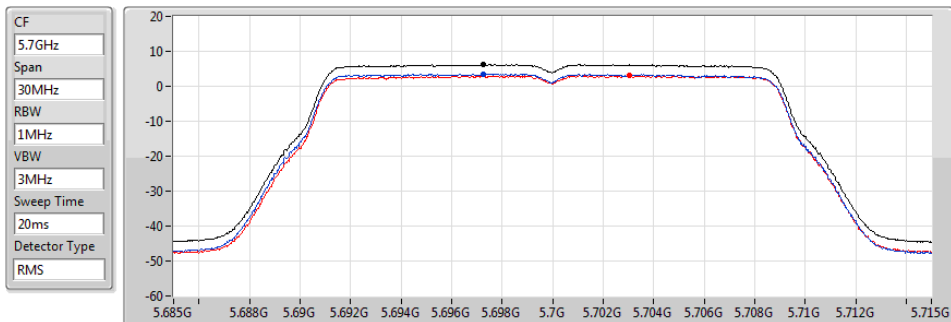
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.96	9.96	7.46	6.54

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5700MHz

22/07/2020



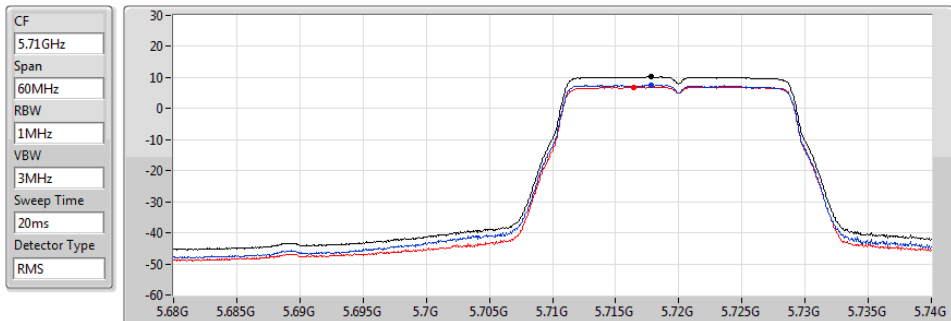
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.25	6.25	3.50	3.09

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

22/07/2020



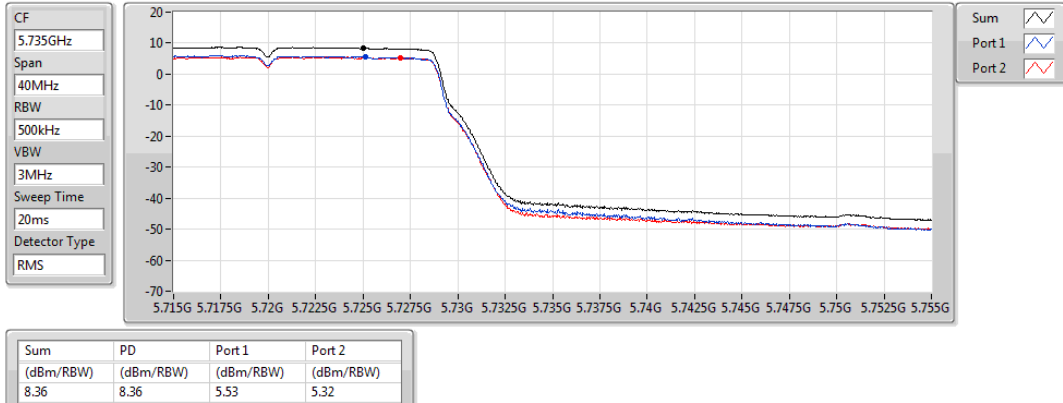
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.25	10.25	7.58	6.93

802.11n HT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

22/07/2020

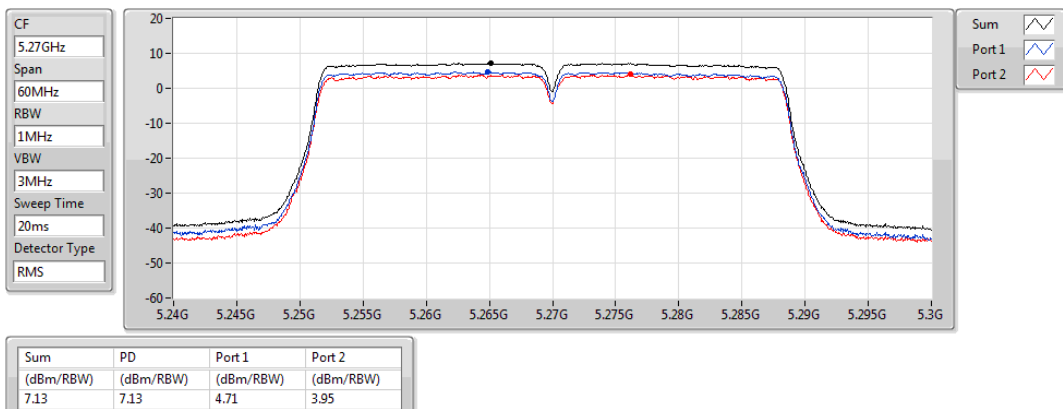


802.11n HT40_Nss1,(MCS0)_2TX

5270MHz

PSD

22/07/2020

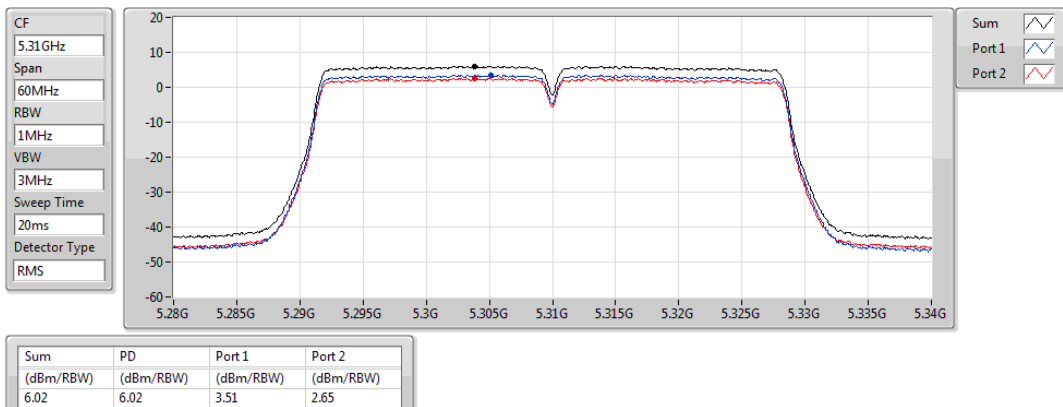


802.11n HT40_Nss1,(MCS0)_2TX

5310MHz

PSD

22/07/2020

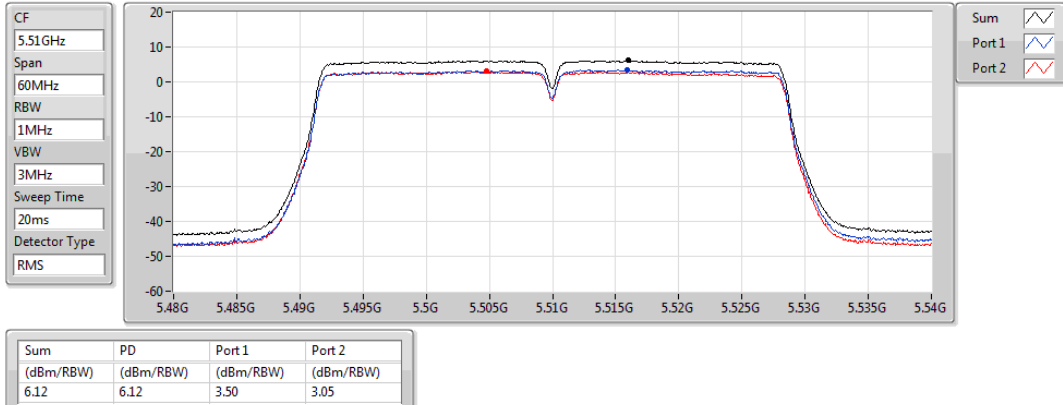


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5510MHz

22/07/2020

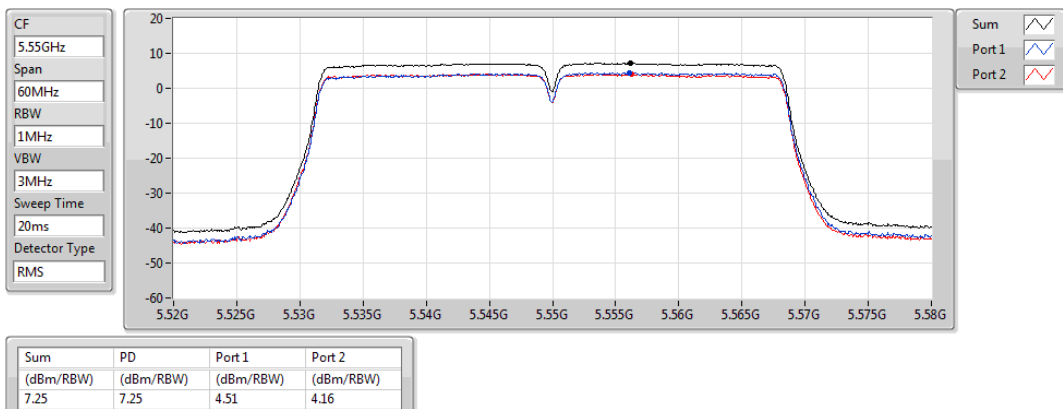


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5550MHz

22/07/2020

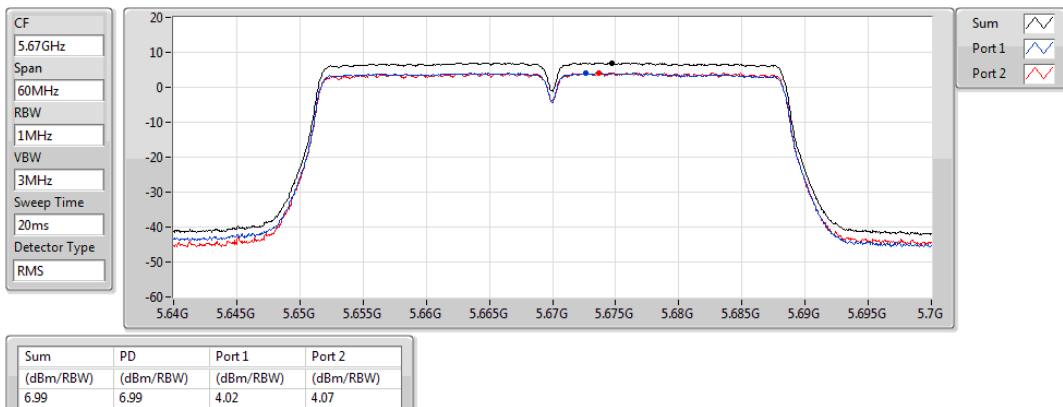


802.11n HT40_Nss1,(MCS0)_2TX

PSD

5670MHz

22/07/2020

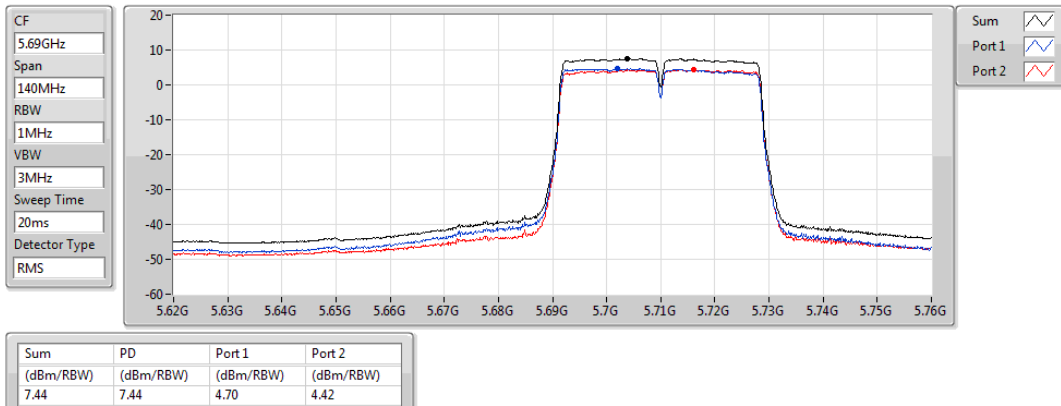


802.11n HT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz

PSD

22/07/2020

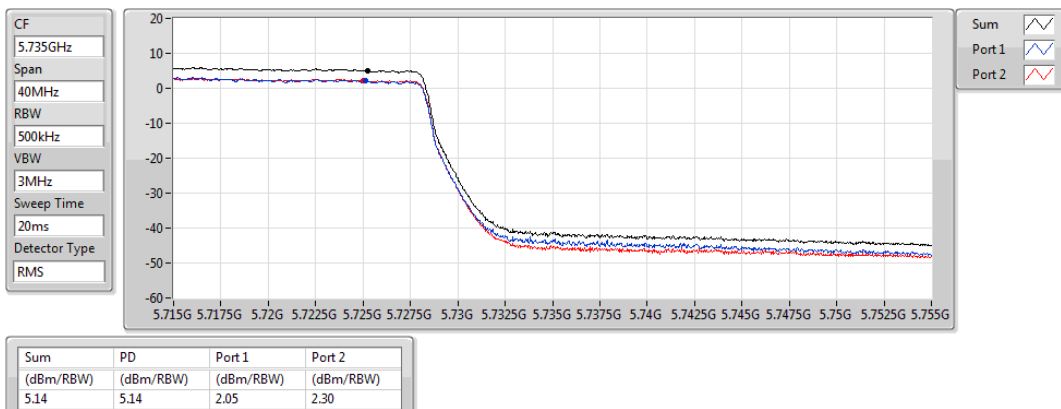


802.11n HT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.725-5.85GHz

PSD

22/07/2020

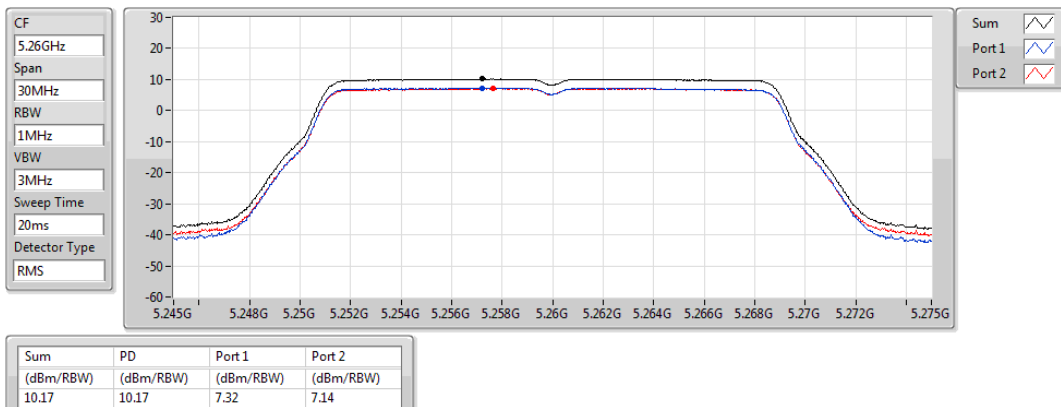


802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz

PSD

17/07/2020

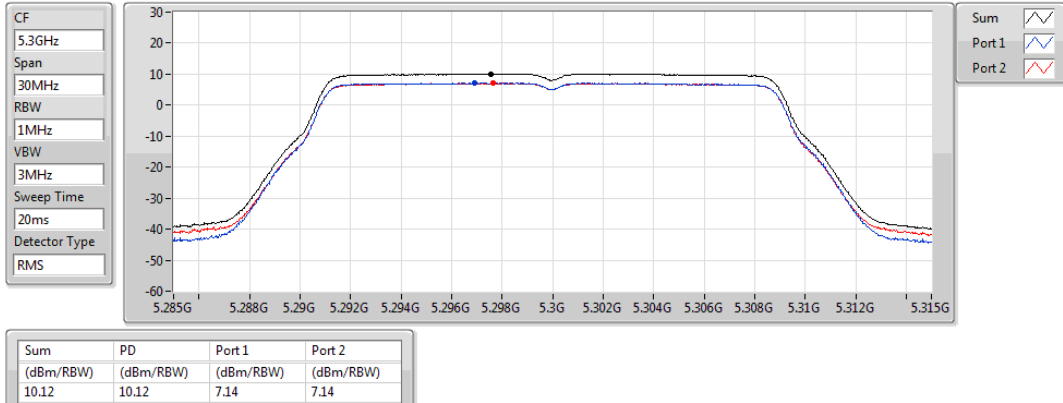


802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz

PSD

17/07/2020

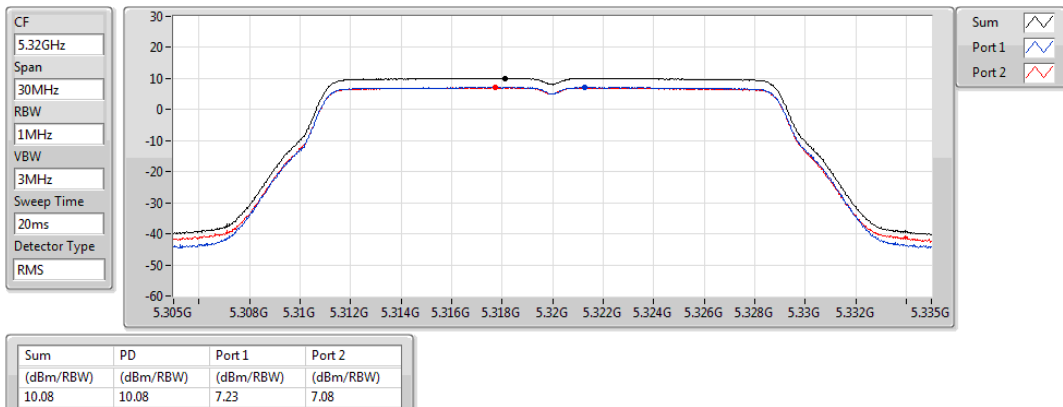


802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz

PSD

17/07/2020

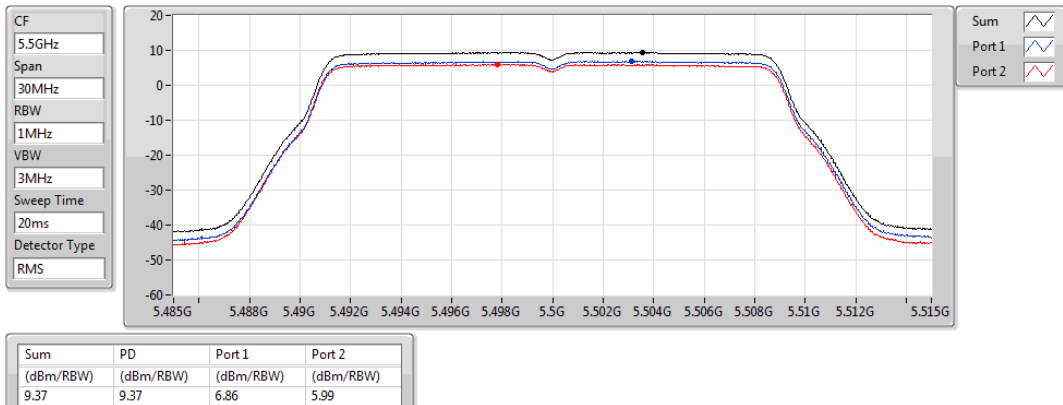


802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz

PSD

17/07/2020

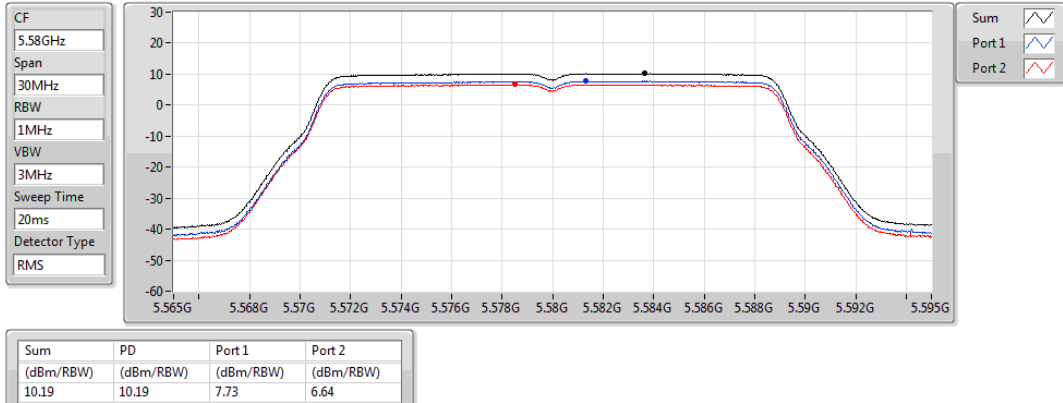


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5580MHz

17/07/2020

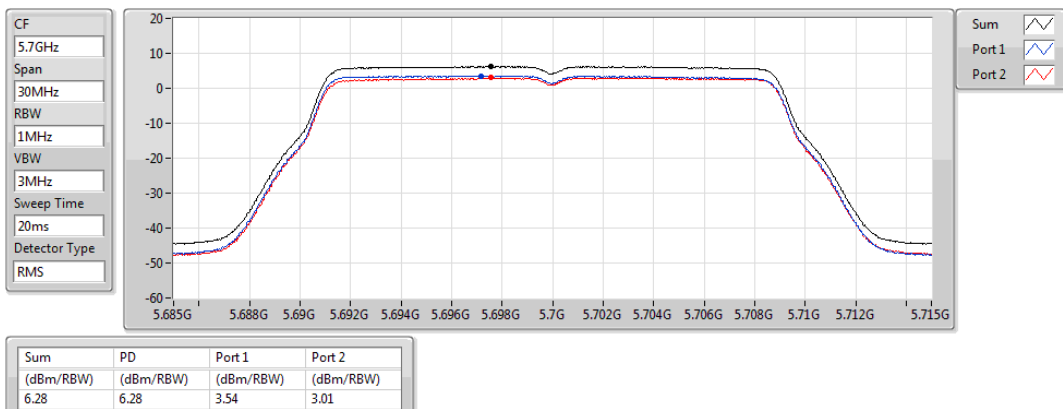


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5700MHz

17/07/2020

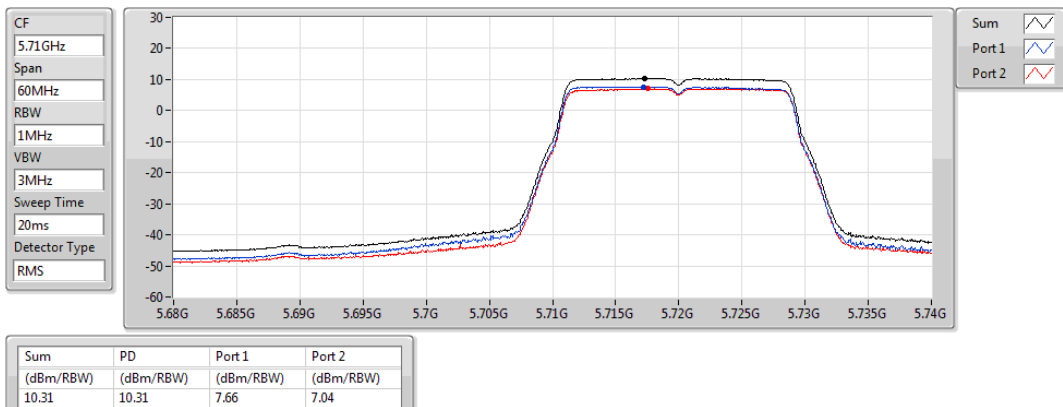


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

17/07/2020

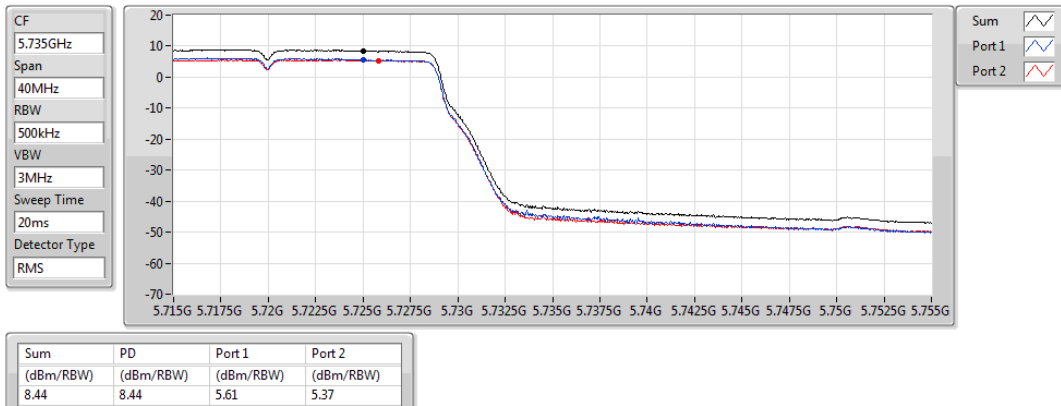


802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

17/07/2020

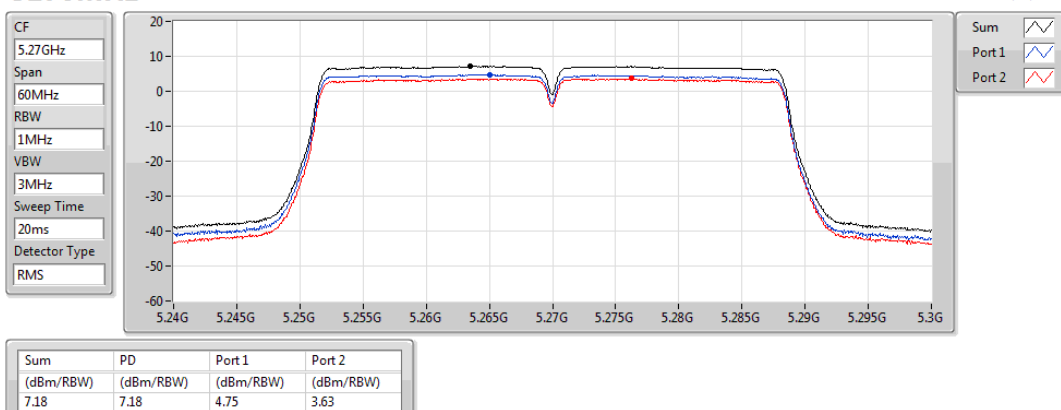


802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz

PSD

17/07/2020

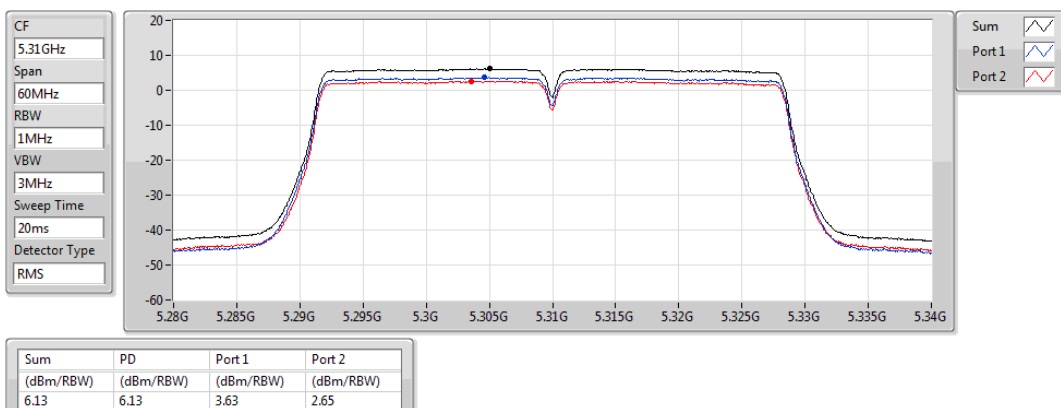


802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz

PSD

17/07/2020

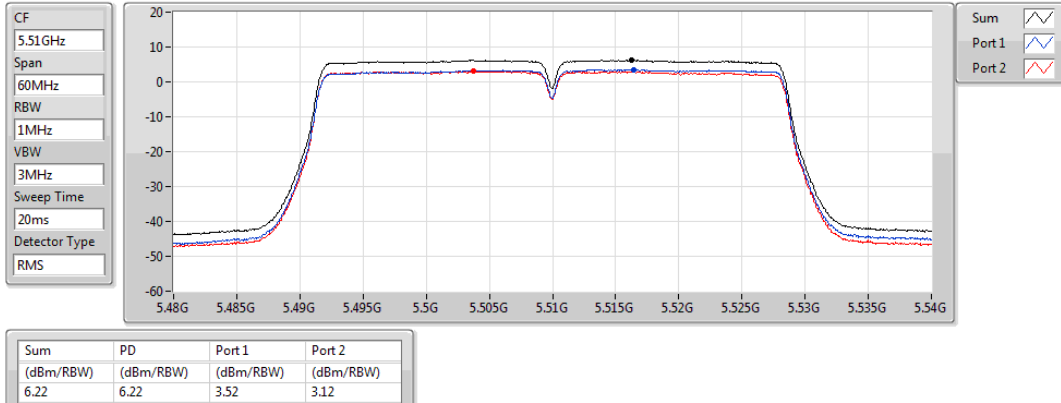


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5510MHz

17/07/2020

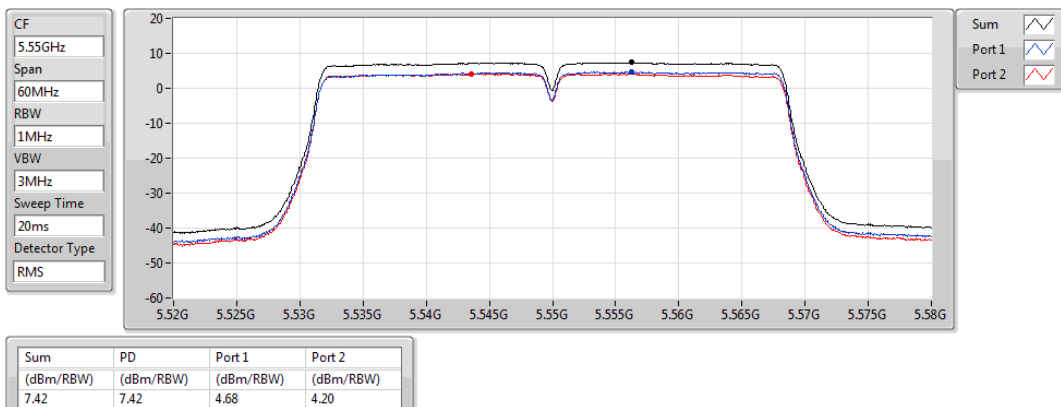


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5550MHz

17/07/2020

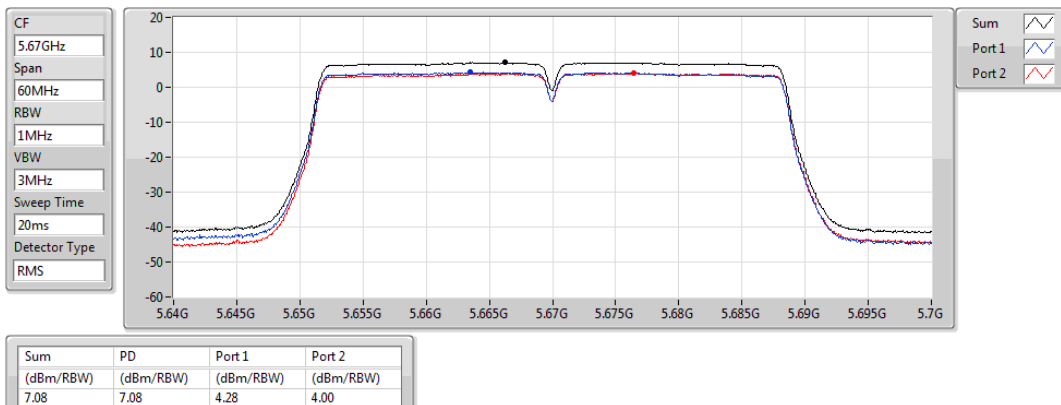


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5670MHz

17/07/2020

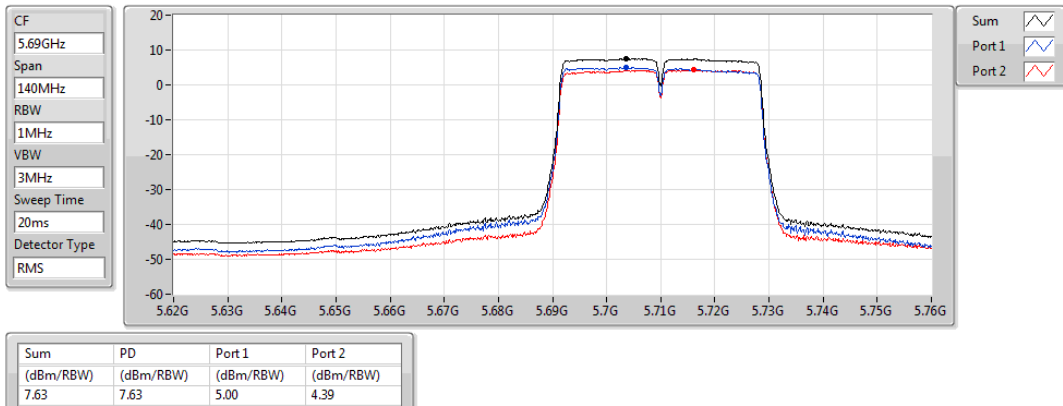


802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz

PSD

17/07/2020

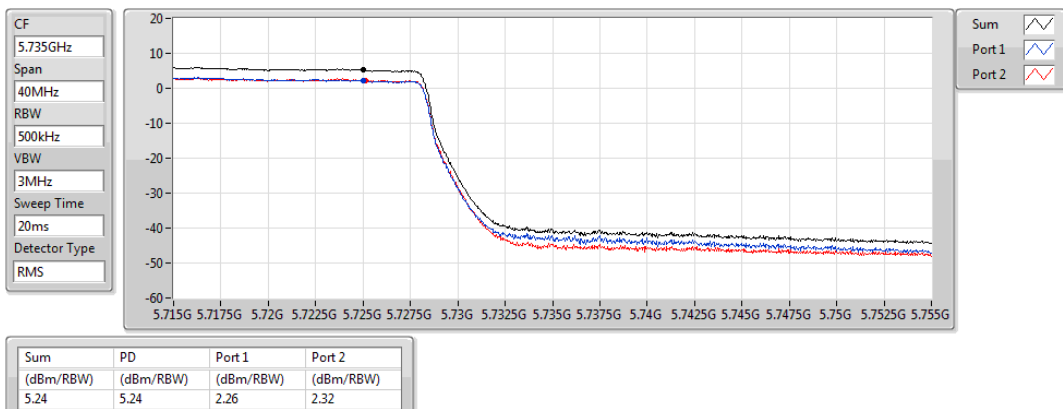


802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.725-5.85GHz

PSD

17/07/2020

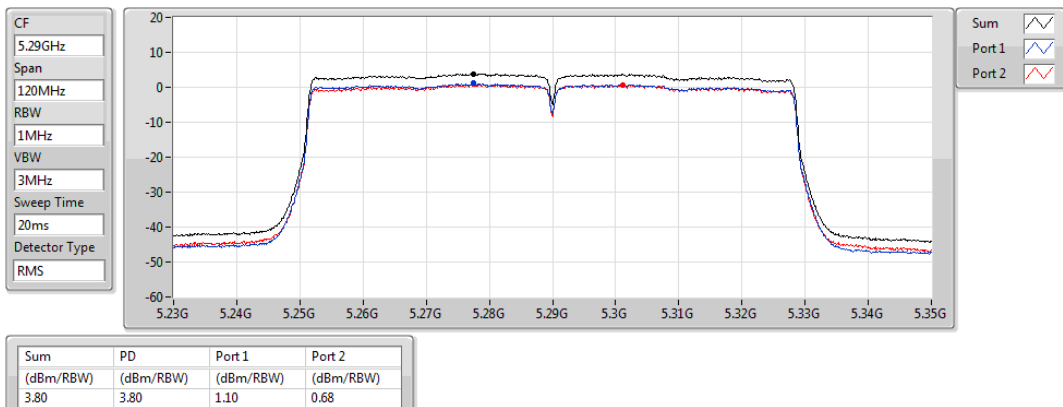


802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz

PSD

18/07/2020

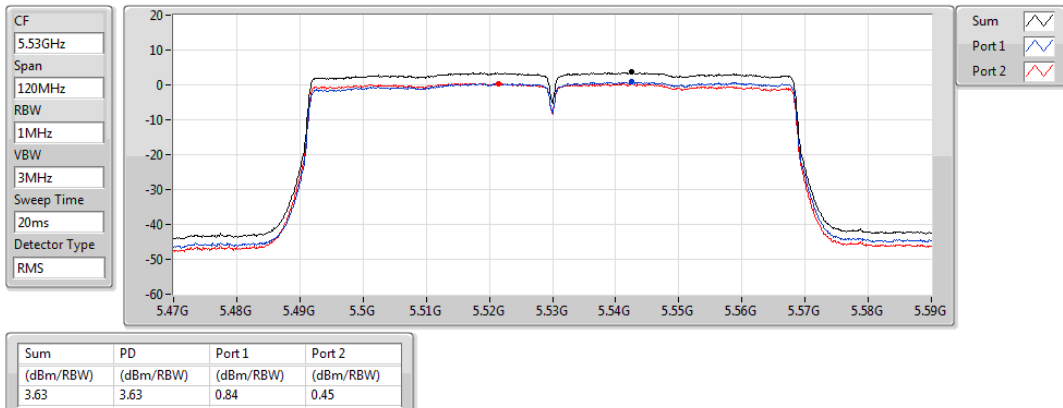


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

18/07/2020

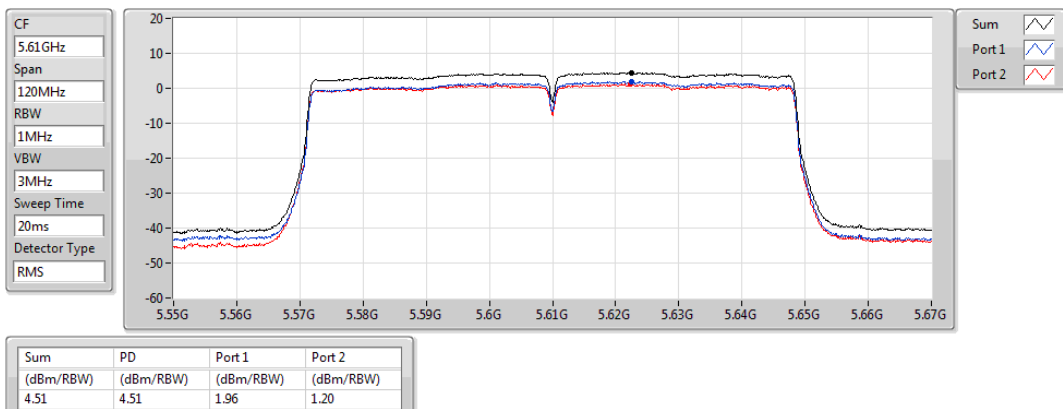


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5610MHz

18/07/2020

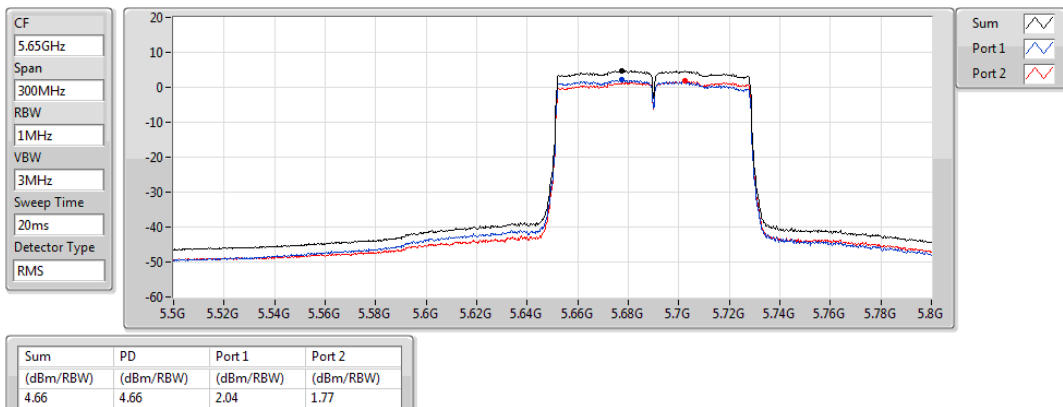


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

18/07/2020

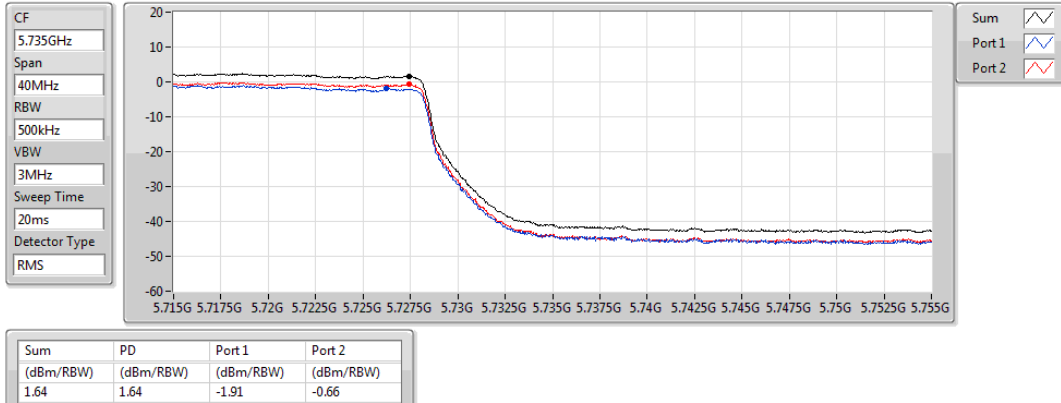


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

18/07/2020

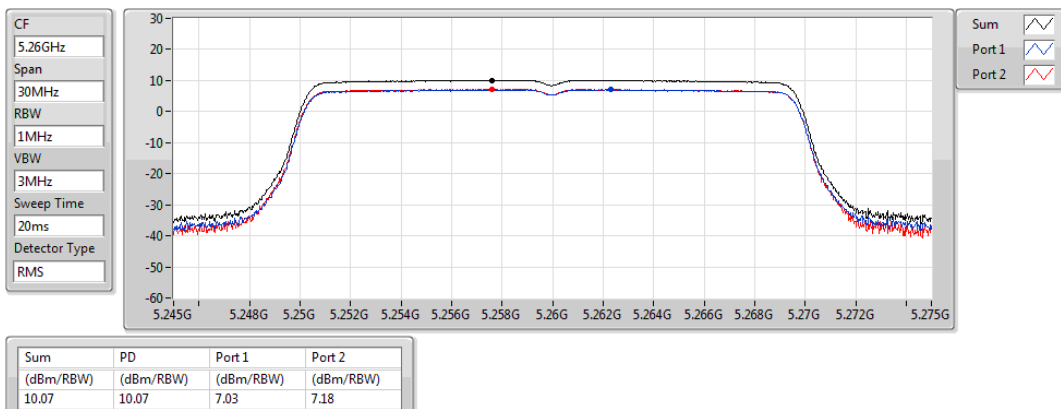


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5260MHz

17/07/2020

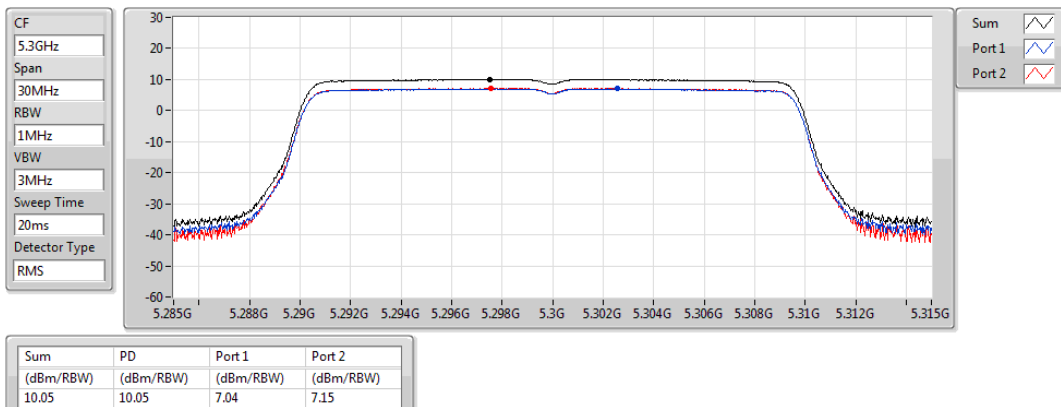


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5300MHz

17/07/2020

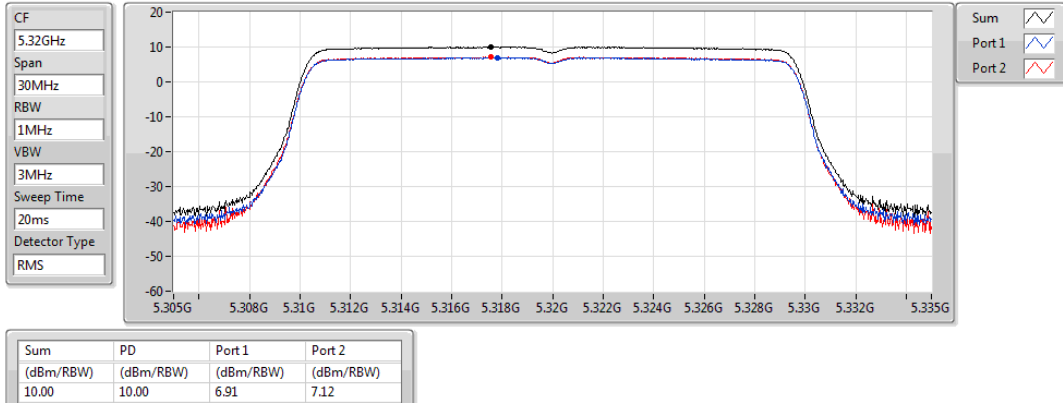


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5320MHz

17/07/2020

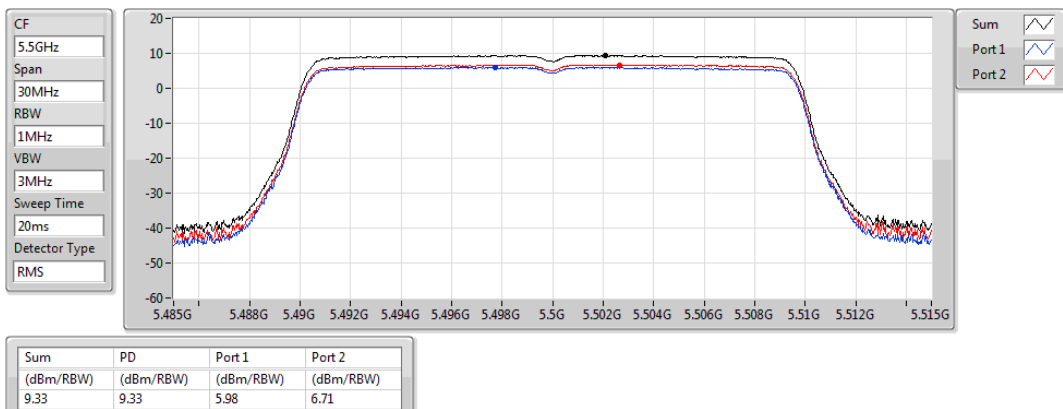


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5500MHz

17/07/2020

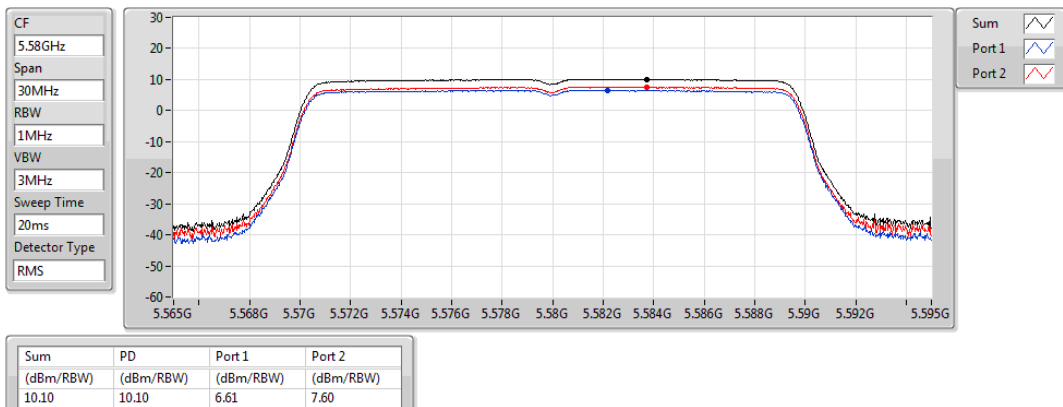


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5580MHz

17/07/2020

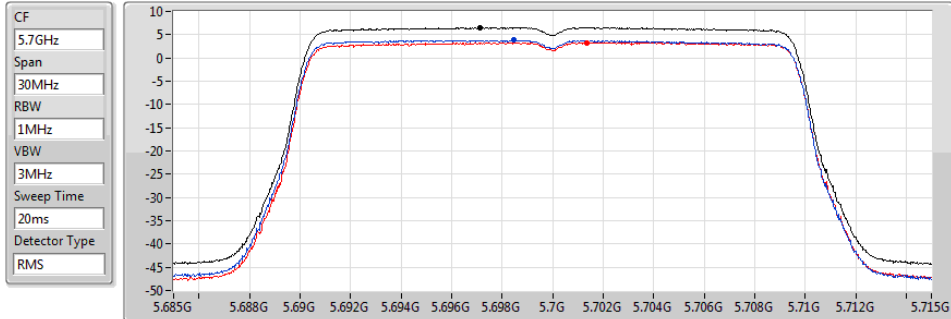


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5700MHz

16/07/2020



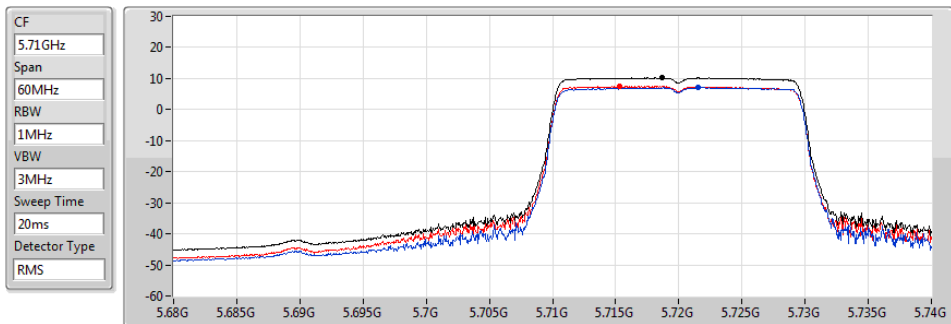
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.50	6.50	3.82	3.31

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

17/07/2020



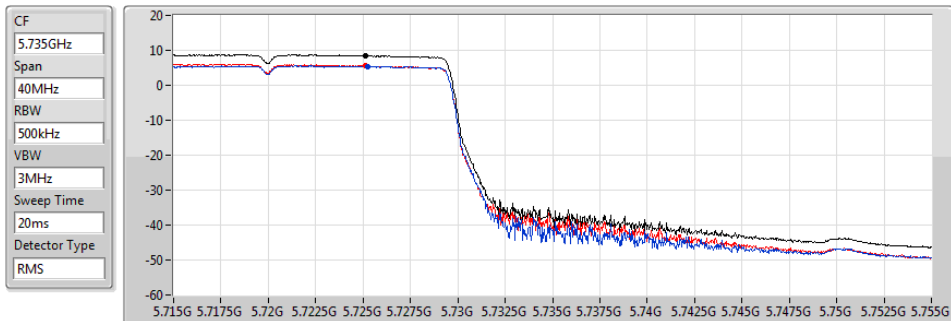
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.20	10.20	7.08	7.46

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

17/07/2020



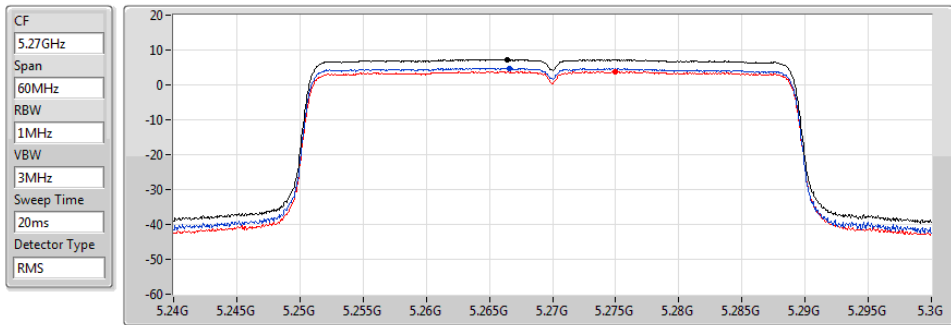
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.44	8.44	5.39	5.52

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz

PSD

17/07/2020



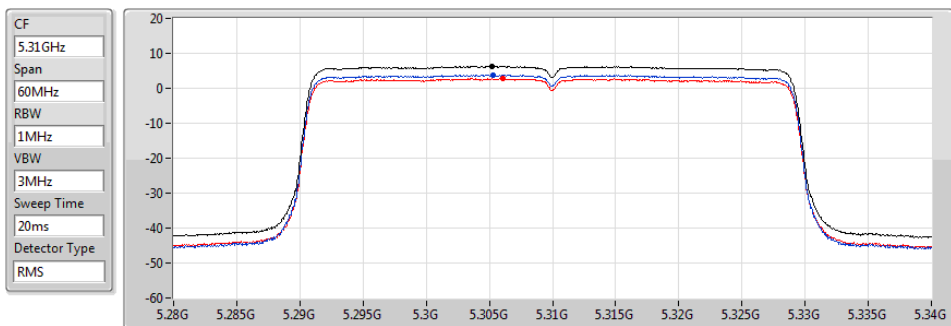
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.28	7.28	4.78	3.85

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz

PSD

17/07/2020



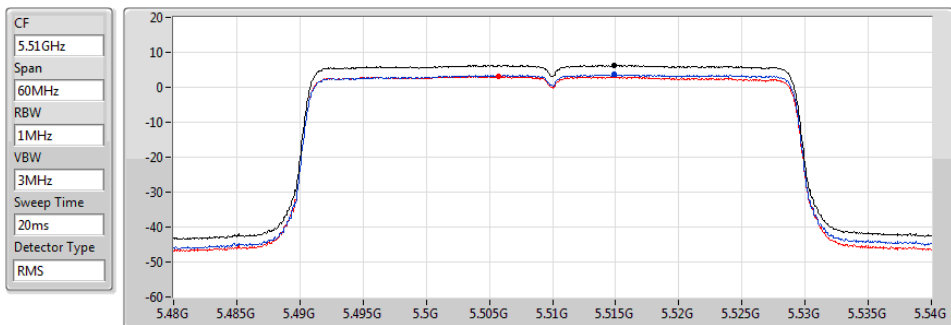
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.26	6.26	3.77	2.76

802.11ax HEW40_Nss1,(MCS0)_2TX

5510MHz

PSD

17/07/2020



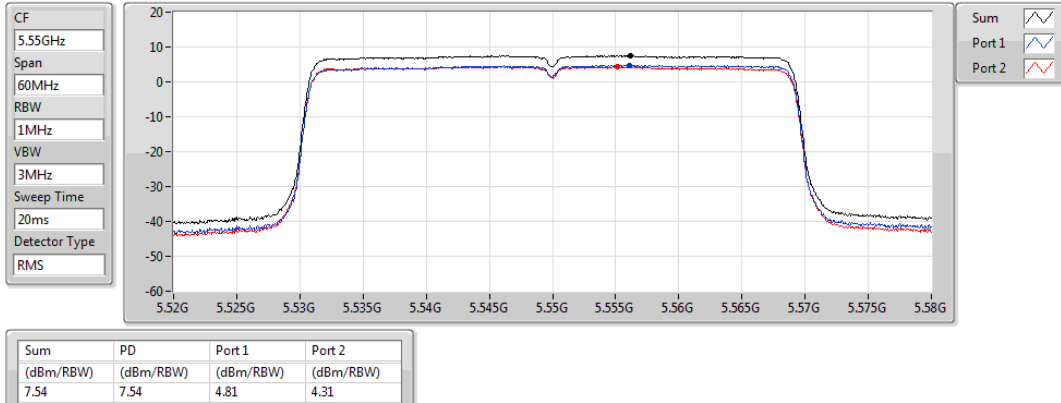
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.32	6.32	3.62	3.09

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5550MHz

17/07/2020

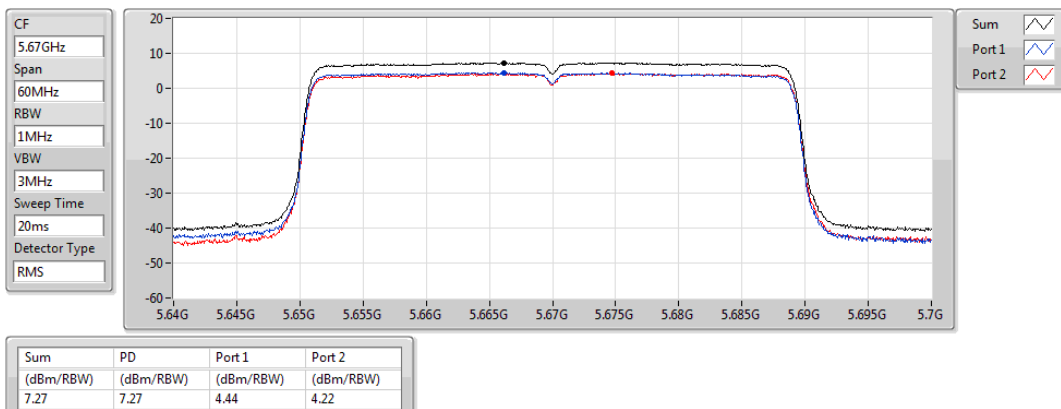


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5670MHz

17/07/2020

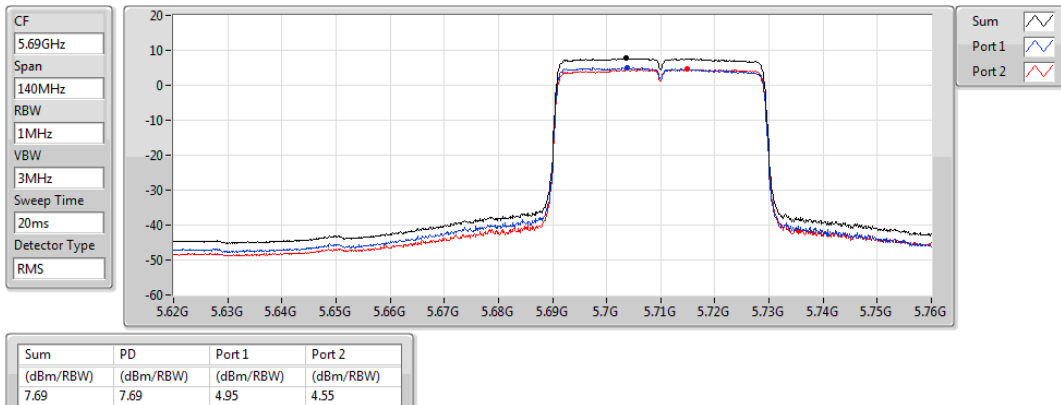


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

17/07/2020

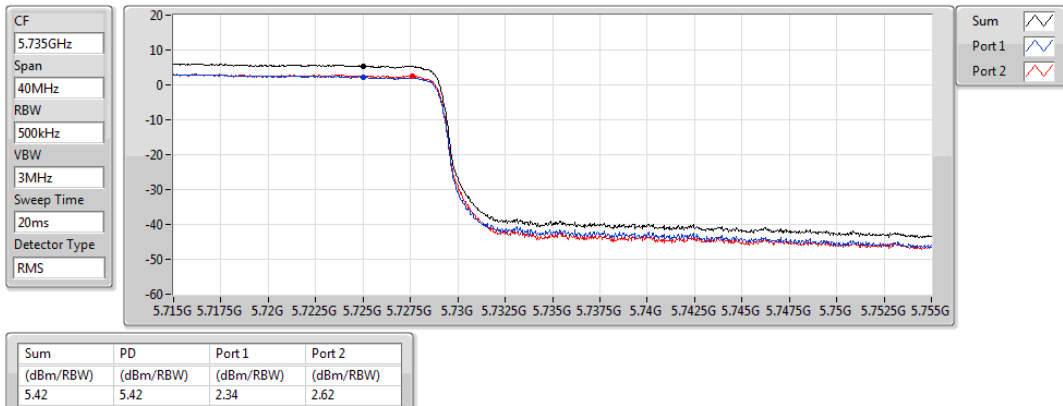


802.11ax HEW40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.725-5.85GHz

PSD

17/07/2020

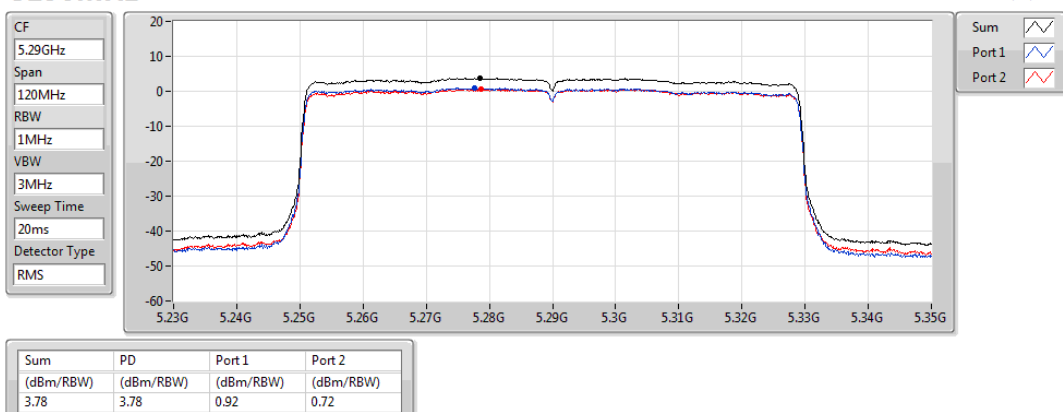


802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz

PSD

17/07/2020

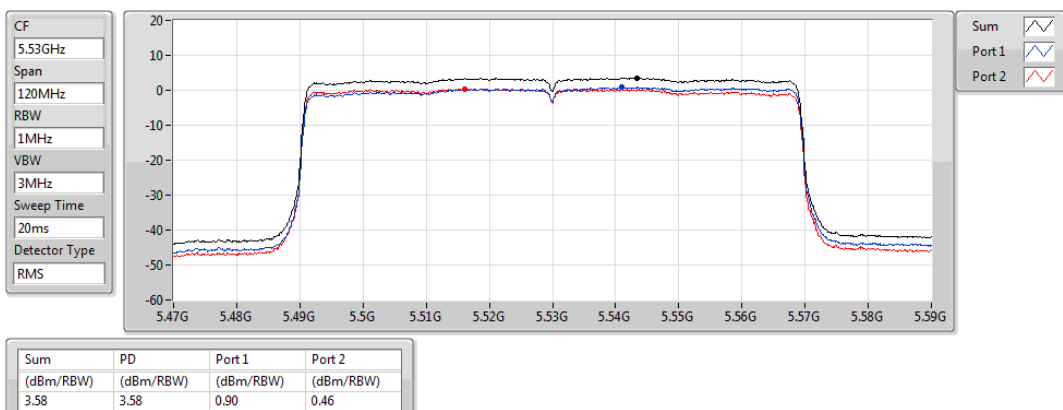


802.11ax HEW80_Nss1,(MCS0)_2TX

5530MHz

PSD

17/07/2020

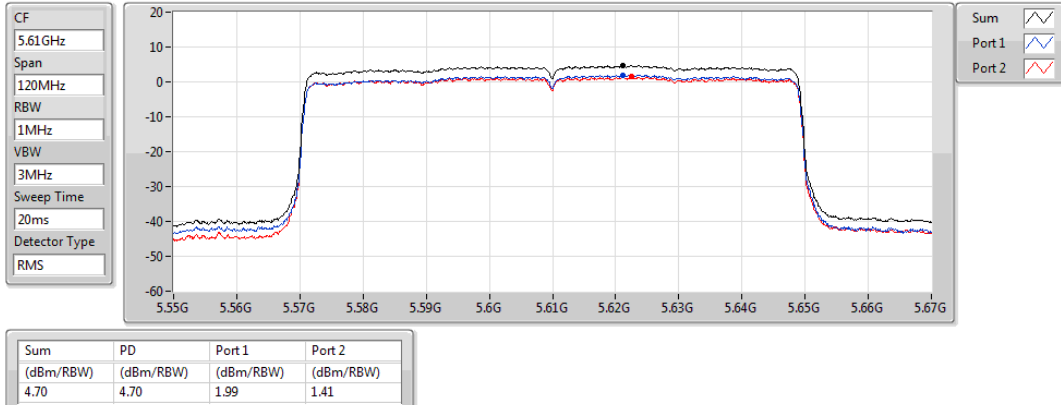


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5610MHz

17/07/2020

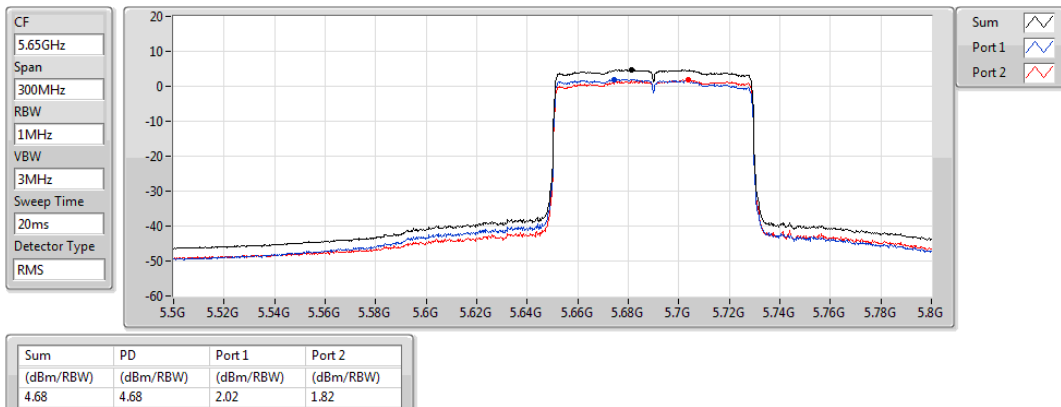


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

17/07/2020

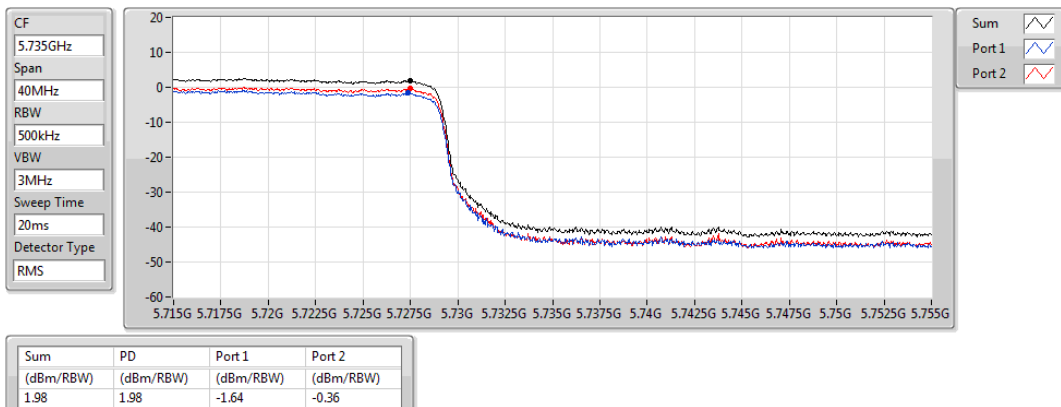


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

17/07/2020



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.68	13.85
802.11n HT20_Nss1,(MCS0)_2TX	9.47	13.65
802.11n HT40_Nss1,(MCS0)_2TX	6.28	10.74
802.11ac VHT20_Nss1,(MCS0)_2TX	9.10	13.32
802.11ac VHT40_Nss1,(MCS0)_2TX	6.15	10.47
802.11ac VHT80_Nss1,(MCS0)_2TX	3.56	7.72
802.11ax HEW20_Nss1,(MCS0)_2TX	9.10	13.25
802.11ax HEW40_Nss1,(MCS0)_2TX	6.33	10.63
802.11ax HEW80_Nss1,(MCS0)_2TX	3.72	7.90
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.79	14.11
802.11n HT20_Nss1,(MCS0)_2TX	9.37	13.63
802.11n HT40_Nss1,(MCS0)_2TX	6.52	11.06
802.11ac VHT20_Nss1,(MCS0)_2TX	9.22	13.44
802.11ac VHT40_Nss1,(MCS0)_2TX	6.59	10.87
802.11ac VHT80_Nss1,(MCS0)_2TX	3.80	8.04
802.11ax HEW20_Nss1,(MCS0)_2TX	9.18	13.51
802.11ax HEW40_Nss1,(MCS0)_2TX	6.76	11.04
802.11ax HEW80_Nss1,(MCS0)_2TX	4.02	8.31
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.94	12.09
802.11n HT20_Nss1,(MCS0)_2TX	7.33	11.53
802.11n HT40_Nss1,(MCS0)_2TX	4.17	8.34
802.11ac VHT20_Nss1,(MCS0)_2TX	7.33	11.52
802.11ac VHT40_Nss1,(MCS0)_2TX	4.24	8.60
802.11ac VHT80_Nss1,(MCS0)_2TX	0.41	5.16
802.11ax HEW20_Nss1,(MCS0)_2TX	7.34	11.44
802.11ax HEW40_Nss1,(MCS0)_2TX	4.55	8.93
802.11ax HEW80_Nss1,(MCS0)_2TX	0.73	5.55

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	7.10	6.72	6.65	9.68	9.90	13.82	17.00
5300MHz	Pass	7.10	6.75	6.72	9.66	9.90	13.85	17.00
5320MHz	Pass	7.10	6.54	6.63	9.56	9.90	13.73	17.00
5500MHz	Pass	7.10	6.32	5.93	9.05	9.90	13.42	17.00
5580MHz	Pass	7.10	7.01	6.63	9.79	9.90	14.11	17.00
5700MHz	Pass	7.10	5.31	4.89	8.08	9.90	12.41	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	6.89	6.68	9.74	9.90	13.99	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	4.99	4.96	7.94	28.90	12.09	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	6.55	6.50	9.44	9.90	13.65	17.00
5300MHz	Pass	7.10	6.48	6.50	9.47	9.90	13.60	17.00
5320MHz	Pass	7.10	6.51	6.25	9.29	9.90	13.61	17.00
5500MHz	Pass	7.10	6.53	6.29	9.37	9.90	13.63	17.00
5580MHz	Pass	7.10	6.47	5.74	9.04	9.90	13.57	17.00
5700MHz	Pass	7.10	3.22	2.77	5.92	9.90	10.32	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	6.49	6.34	9.28	9.90	13.59	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	4.43	4.32	7.33	28.90	11.53	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	3.64	3.02	6.28	9.90	10.74	17.00
5310MHz	Pass	7.10	3.58	3.09	6.24	9.90	10.68	17.00
5510MHz	Pass	7.10	3.24	2.64	5.75	9.90	10.34	17.00
5550MHz	Pass	7.10	3.96	3.20	6.52	9.90	11.06	17.00
5670MHz	Pass	7.10	3.12	2.72	5.80	9.90	10.22	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	3.69	3.26	6.46	9.90	10.79	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	1.12	1.24	4.17	28.90	8.34	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	6.04	6.11	9.05	9.90	13.21	17.00
5300MHz	Pass	7.10	6.06	6.22	9.10	9.90	13.32	17.00
5320MHz	Pass	7.10	6.11	6.22	9.09	9.90	13.32	17.00
5500MHz	Pass	7.10	6.34	5.99	9.13	9.90	13.44	17.00
5580MHz	Pass	7.10	6.21	5.73	8.93	9.90	13.31	17.00
5700MHz	Pass	7.10	3.26	2.83	5.99	9.90	10.36	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	6.32	6.21	9.22	9.90	13.42	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	4.37	4.42	7.33	28.90	11.52	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	3.14	3.00	6.06	9.90	10.24	17.00
5310MHz	Pass	7.10	3.37	3.04	6.15	9.90	10.47	17.00
5510MHz	Pass	7.10	2.86	2.35	5.56	9.90	9.96	17.00
5550MHz	Pass	7.10	3.54	3.11	6.31	9.90	10.64	17.00
5670MHz	Pass	7.10	3.42	3.16	6.19	9.90	10.52	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	3.77	3.64	6.59	9.90	10.87	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	0.96	1.50	4.24	28.90	8.60	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-



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)
5290MHz	Pass	7.10	0.52	0.62	3.56	9.90	7.72	17.00
5530MHz	Pass	7.10	0.40	0.17	3.11	9.90	7.50	17.00
5610MHz	Pass	7.10	0.94	0.64	3.80	9.90	8.04	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10	0.67	0.56	3.46	9.90	7.77	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	-3.24	-1.94	0.41	28.90	5.16	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.10	6.06	6.14	9.09	9.90	13.24	17.00
5300MHz	Pass	7.10	6.11	6.13	9.10	9.90	13.23	17.00
5320MHz	Pass	7.10	6.03	6.15	9.06	9.90	13.25	17.00
5500MHz	Pass	7.10	6.32	5.91	9.09	9.90	13.42	17.00
5580MHz	Pass	7.10	6.41	5.68	9.03	9.90	13.51	17.00
5700MHz	Pass	7.10	3.17	2.76	5.94	9.90	10.27	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.10	6.32	6.18	9.18	9.90	13.42	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	4.33	4.34	7.34	28.90	11.44	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.10	3.51	2.89	6.19	9.90	10.61	17.00
5310MHz	Pass	7.10	3.53	3.18	6.33	9.90	10.63	17.00
5510MHz	Pass	7.10	2.96	2.55	5.72	9.90	10.06	17.00
5550MHz	Pass	7.10	3.78	3.21	6.42	9.90	10.88	17.00
5670MHz	Pass	7.10	3.57	3.06	6.24	9.90	10.67	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.10	3.94	3.71	6.76	9.90	11.04	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	1.28	1.83	4.55	28.90	8.93	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.10	0.80	0.72	3.72	9.90	7.90	17.00
5530MHz	Pass	7.10	0.58	0.19	3.28	9.90	7.68	17.00
5610MHz	Pass	7.10	1.21	0.93	4.02	9.90	8.31	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.10	0.98	0.83	3.67	9.90	8.08	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	-3.00	-1.55	0.73	28.90	5.55	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;