



FCC RADIO TEST REPORT

FCC ID : RAXE3200
Equipment : Fios Home Wi-Fi Extender, Fios Business Wi-Fi Extender
Brand Name : Verizon
Model Name : E3200
Applicant : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd., Hsinchu, 30071 Taiwan
Manufacturer : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd., Hsinchu, 30071 Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Apr. 18, 2019, and testing was started from May 08, 2019 and completed on Jun. 04, 2019. 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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: Sam Chen

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 Applicable Standards	10
1.3 Testing Location Information	10
1.4 Measurement Uncertainty	10
2 Test Configuration of EUT	11
2.1 Test Channel Mode	11
2.2 The Worst Case Measurement Configuration.....	15
2.3 EUT Operation during Test	15
2.4 Accessories	16
2.5 Support Equipment.....	16
2.6 Test Setup Diagram	17
3 Transmitter Test Result	19
3.1 Emission Bandwidth	19
3.2 Maximum Conducted Output Power	21
3.3 Peak Power Spectral Density.....	23
3.4 Unwanted Emissions.....	26
4 Test Equipment and Calibration Data	29
Appendix A. Test Results of Emission Bandwidth	
Appendix B. Test Results of Maximum Conducted Output Power	
Appendix C. Test Results of Peak Power Spectral Density	
Appendix D. Test Results of Unwanted Emissions	
Appendix E. Test Photos	
Appendix F. Photographs of EUT	



TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB Ver1.0



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-
Note: Reference to Sporton Project No.: 941737				

Declaration of Conformity:

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

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Emily Chen



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		5500-5720	100-144 [12]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ac VHT160	160	4TX
5.15-5.25GHz	802.11ac VHT160-BF	160	4TX
5.15-5.25GHz	802.11ax HEW160	160	4TX
5.15-5.25GHz	802.11ax HEW160-BF	160	4TX
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11n HT20-BF	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT20-BF	20	4TX
5.25-5.35GHz	802.11ax HEW20	20	4TX
5.25-5.35GHz	802.11ax HEW20-BF	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11n HT40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT40-BF	40	4TX
5.25-5.35GHz	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ax HEW40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.25-5.35GHz	802.11ac VHT80-BF	80	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.25-5.35GHz	802.11ax HEW80-BF	80	4TX



Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ac VHT160	160	4TX
5.25-5.35GHz	802.11ac VHT160-BF	160	4TX
5.25-5.35GHz	802.11ax HEW160	160	4TX
5.25-5.35GHz	802.11ax HEW160-BF	160	4TX
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11n HT20-BF	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20-BF	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11n HT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40-BF	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80-BF	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80-BF	80	4TX
5.47-5.725GHz	802.11ac VHT160	160	4TX
5.47-5.725GHz	802.11ac VHT160-BF	160	4TX
5.47-5.725GHz	802.11ax HEW160	160	4TX
5.47-5.725GHz	802.11ax HEW160-BF	160	4TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Nss-Min is the minimum number of spatial streams.
- ♦ Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)		
						2.4GHz	5GHz Band 1, Band 2	5GHz Band 3, Band 4
1	1	Arcadyan	120800073400J	PCB Antenna	I-PEX	-	-	1.74
2	2	Arcadyan	120800073300J	PCB Antenna	I-PEX	-	-	2.35
3	3	Arcadyan	120800073600J	PCB Antenna	I-PEX	-	-	1.63
4	4	Arcadyan	120800073500J	PCB Antenna	I-PEX	-	-	1.28
5	1	Arcadyan	On board antenna	Monopole	N/A	1.69	0.57	-
6	2	Arcadyan	120800073700J	PCB	I-PEX	0.78	0.93	-
7	3	Arcadyan	120800073800J	PCB	I-PEX	2.12	2.35	-
8	4	Arcadyan	120800073900J	PCB	I-PEX	2.39	2.36	-

Note 1: The above information was declared by manufacturer.

Note 2:

<For 2.4GHz Function>

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

Port 1 、 Port 2 、 Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1 、 Port 2 、 Port 3 and Port 4 could transmit/receive simultaneously.

<For WLAN 5GHz Function>

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

Port 1 、 Port 2 、 Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1 、 Port 2 、 Port 3 and Port 4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.947	0.24	2.064m	1k
802.11ac VHT20	0.986	0.06	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT20-BF	0.983	0.07	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW20	0.983	0.07	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW20-BF	0.986	0.06	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT40	0.971	0.13	952.5u	3k
802.11ac VHT40-BF	0.971	0.13	952.5u	3k
802.11ax HEW40	0.968	0.14	908.438u	3k
802.11ax HEW40-BF	0.968	0.14	908.438u	3k
802.11ac VHT80	0.942	0.26	460.625u	3k
802.11ac VHT80-BF	0.94	0.27	460.625u	3k
802.11ax HEW80	0.944	0.25	472.5u	3k
802.11ax HEW80-BF	0.942	0.26	472.5u	3k
802.11ac VHT160	0.902	0.45	272.5u	10k
802.11ac VHT160-BF	0.905	0.43	272.5u	10k
802.11ax HEW160	0.905	0.43	272.5u	10k
802.11ax HEW160-BF	0.904	0.44	272.5u	10k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming for VHT/11ax in 2.4GHz and 11n/11ac/11ax in 5GHz.	☐	Without beamforming
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	MTool 3.1.0.1			

Note: The above information was declared by manufacturer.



1.1.5 Table for Multiple Listing

The equipment names in the following table are all refer to the identical product.

Brand Name	Equipment Name	Description
Verizon	Fios Home Wi-Fi Extender	All the equipments are identical; the difference equipment names served as marketing strategy.
	Fios Business Wi-Fi Extender	

1.1.6 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR941737AB

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

Modifications	Performance Checking
- Adding 5GHz band 2 and band 3 (5250~5350 MHz, 5470~5725 MHz) for this device. - Adding 802.11ac160MHz and 802.11ax 160MHz Mode.	- Emission Bandwidth. - Maximum Conducted Output Power. - Peak Power Spectral Density. - Unwanted Emissions Radiated Emission >1GHz.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v02r01
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 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
☒	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.	TEL : 886-3-656-9065	FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Brian Sun	24~26°C / 52~57%	May 08, 2019~ Jun. 04, 2019
Radiated	03CH03-CB	Cola Fan	22~24°C / 50~60%	May 21, 2019~ Jun. 04, 2019

Test site Designation No. TW0006 with FCC

Test site registered number IC 4086B with Industry Canada.

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	66
5300MHz	66
5320MHz	69
5500MHz	66
5580MHz	63
5700MHz	64
5720MHz Straddle 5.47-5.725GHz	65
5720MHz Straddle 5.725-5.85GHz	65
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5260MHz	69
5300MHz	70
5320MHz	72
5500MHz	68
5580MHz	64
5700MHz	55
5720MHz Straddle 5.47-5.725GHz	66
5720MHz Straddle 5.725-5.85GHz	66
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5270MHz	71
5310MHz	71
5510MHz	72
5550MHz	70
5670MHz	70
5710MHz Straddle 5.47-5.725GHz	72
5710MHz Straddle 5.725-5.85GHz	72
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5290MHz	67
5530MHz	70
5610MHz	72
5690MHz Straddle 5.47-5.725GHz	72
5690MHz Straddle 5.725-5.85GHz	72
802.11ac VHT160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	57
5250MHz Straddle 5.25-5.35GHz	57
5570MHz	64



Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	69
5300MHz	70
5320MHz	72
5500MHz	68
5580MHz	64
5700MHz	55
5720MHz Straddle 5.47-5.725GHz	66
5720MHz Straddle 5.725-5.85GHz	66
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	71
5310MHz	71
5510MHz	72
5550MHz	70
5670MHz	70
5710MHz Straddle 5.47-5.725GHz	72
5710MHz Straddle 5.725-5.85GHz	72
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	67
5530MHz	70
5610MHz	72
5690MHz Straddle 5.47-5.725GHz	72
5690MHz Straddle 5.725-5.85GHz	72
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	57
5250MHz Straddle 5.25-5.35GHz	57
5570MHz	64
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5260MHz	66
5300MHz	66
5320MHz	69
5500MHz	65
5580MHz	62
5700MHz	62
5720MHz Straddle 5.47-5.725GHz	65
5720MHz Straddle 5.725-5.85GHz	65
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5270MHz	65
5310MHz	67
5510MHz	65



Mode	Power Setting
5550MHz	63
5670MHz	63
5710MHz Straddle 5.47-5.725GHz	66
5710MHz Straddle 5.725-5.85GHz	66
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5290MHz	65
5530MHz	61
5610MHz	63
5690MHz Straddle 5.47-5.725GHz	64
5690MHz Straddle 5.725-5.85GHz	64
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	70
5250MHz Straddle 5.25-5.35GHz	70
5570MHz	63
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5260MHz	66
5300MHz	66
5320MHz	69
5500MHz	65
5580MHz	62
5700MHz	62
5720MHz Straddle 5.47-5.725GHz	65
5720MHz Straddle 5.725-5.85GHz	65
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5270MHz	65
5310MHz	67
5510MHz	65
5550MHz	63
5670MHz	63
5710MHz Straddle 5.47-5.725GHz	66
5710MHz Straddle 5.725-5.85GHz	66
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5290MHz	65
5530MHz	61
5610MHz	63
5690MHz Straddle 5.47-5.725GHz	64
5690MHz Straddle 5.725-5.85GHz	64
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	70
5250MHz Straddle 5.25-5.35GHz	70



Mode	Power Setting
5570MHz	63

Note:

- ♦ VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11 VHT20 and VHT40.
- ♦ There are two modes of EUT in 802.11 VHT/ax, one is beamforming mode and the other is non-beamforming mode for VHT/11ax in 2.4GHz and 11n/11ac/11ax in 5GHz. Both modes have been tested and recorded in this test report.

2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz Band 1, 2 + WLAN 5GHz Band 3, 4
Refer to Sporton Test Report No.: FA941737-01 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used in Y axis position.

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Wireless AP and transmit duty cycle no less than 98%



2.4 Accessories

Accessories				
No.	Equipment Name	Brand Name	Model Name	Rating
1	Adapter 1	LEI	ML42AY120350-A1	INPUT: 105-125V~60Hz, 1.5A OUTPUT: 12V, 3.5A
2	Adapter 2	Delta	ADH-42AW B C.C.:A	INPUT: 105-125V~60Hz, 1.2A OUTPUT: 12V, 3.5A

2.5 Support Equipment

For Radiated (above 1GHz)

Non-Beamforming mode:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

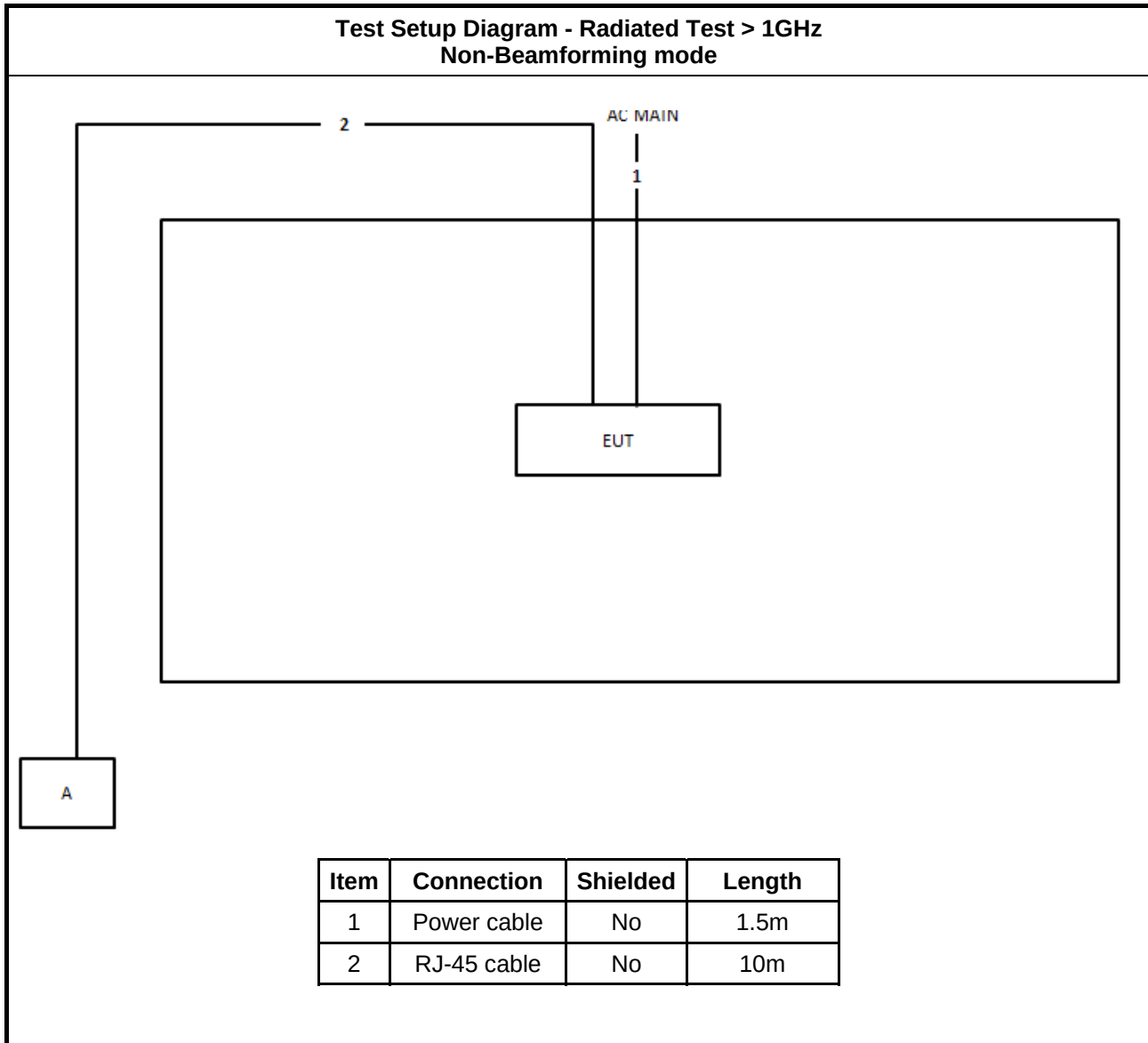
Beamforming mode:

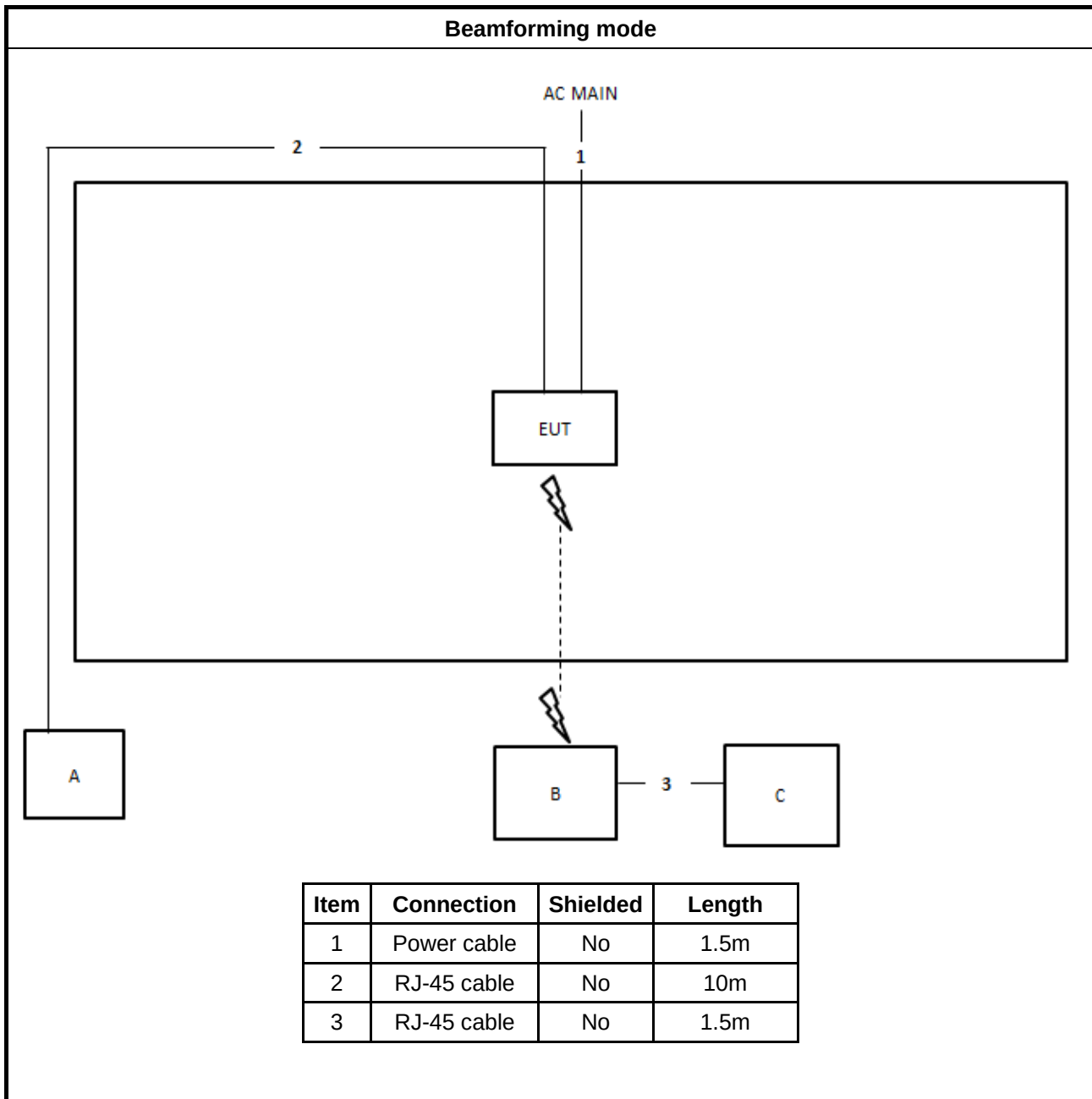
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	RX Device	Arcadyan	WE7224442-VR	N/A
C	NB	DELL	E4300	N/A

For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

2.6 Test Setup Diagram





3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

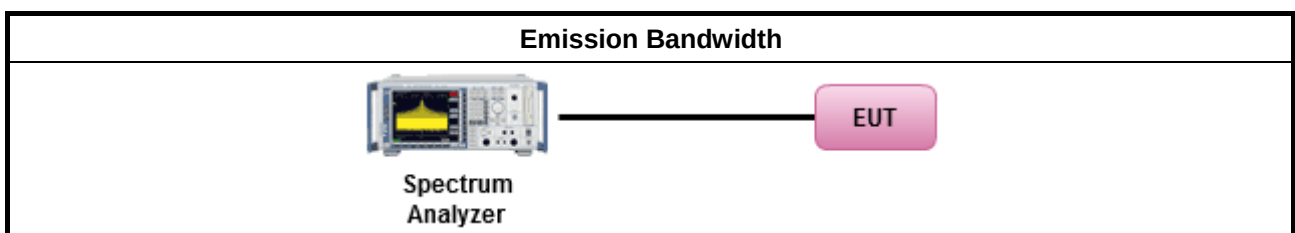
3.1.2 Measuring Instruments

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 FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.1.4 Test Setup





3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum 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.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	
☐ For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
☐ 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

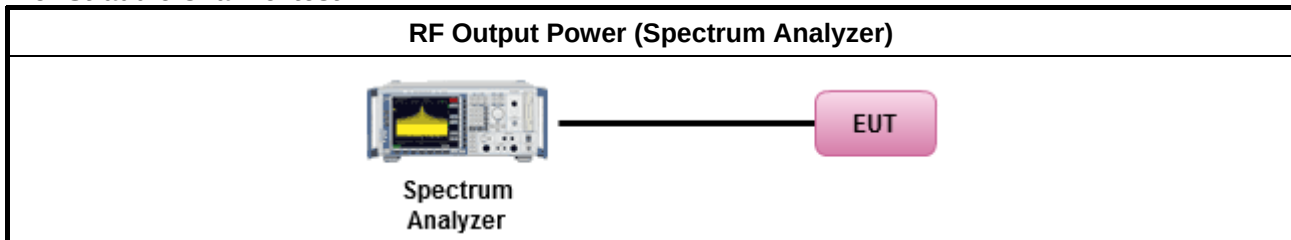
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

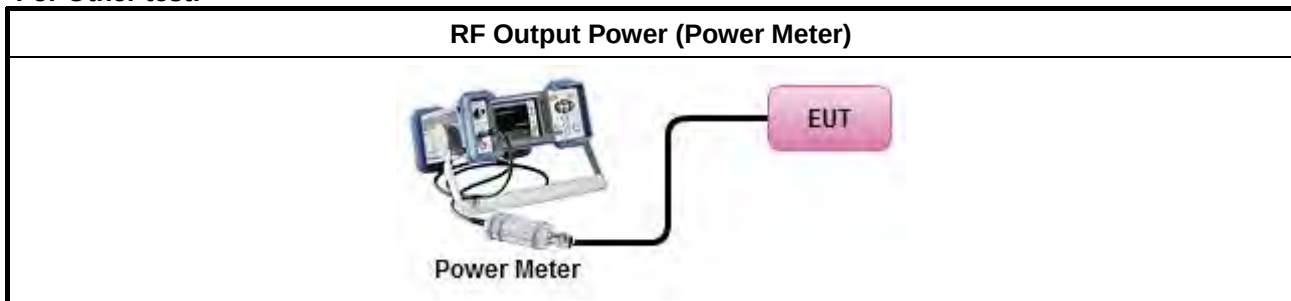
Test Method	
Maximum Conducted Output Power	
	Average over on/off periods with duty factor
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.2.4 Test Setup

For Straddle Channel test:



For Other test:



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.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; $-13 - 0.716 (\theta - 8)$ dBW/MHz for $8^\circ \leq \theta < 40^\circ$ $-35.9 - 1.22 (\theta - 40)$ dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐ 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.	



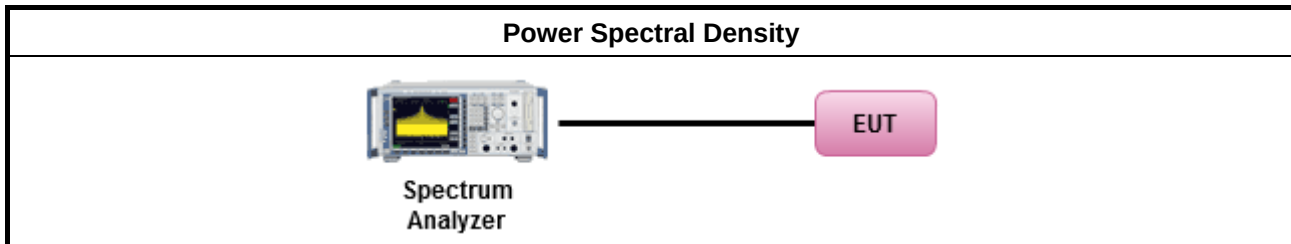
3.3.2 Measuring Instruments

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 FCC 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% or external video / power trigger]	
☒	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC 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:	
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

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 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	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
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

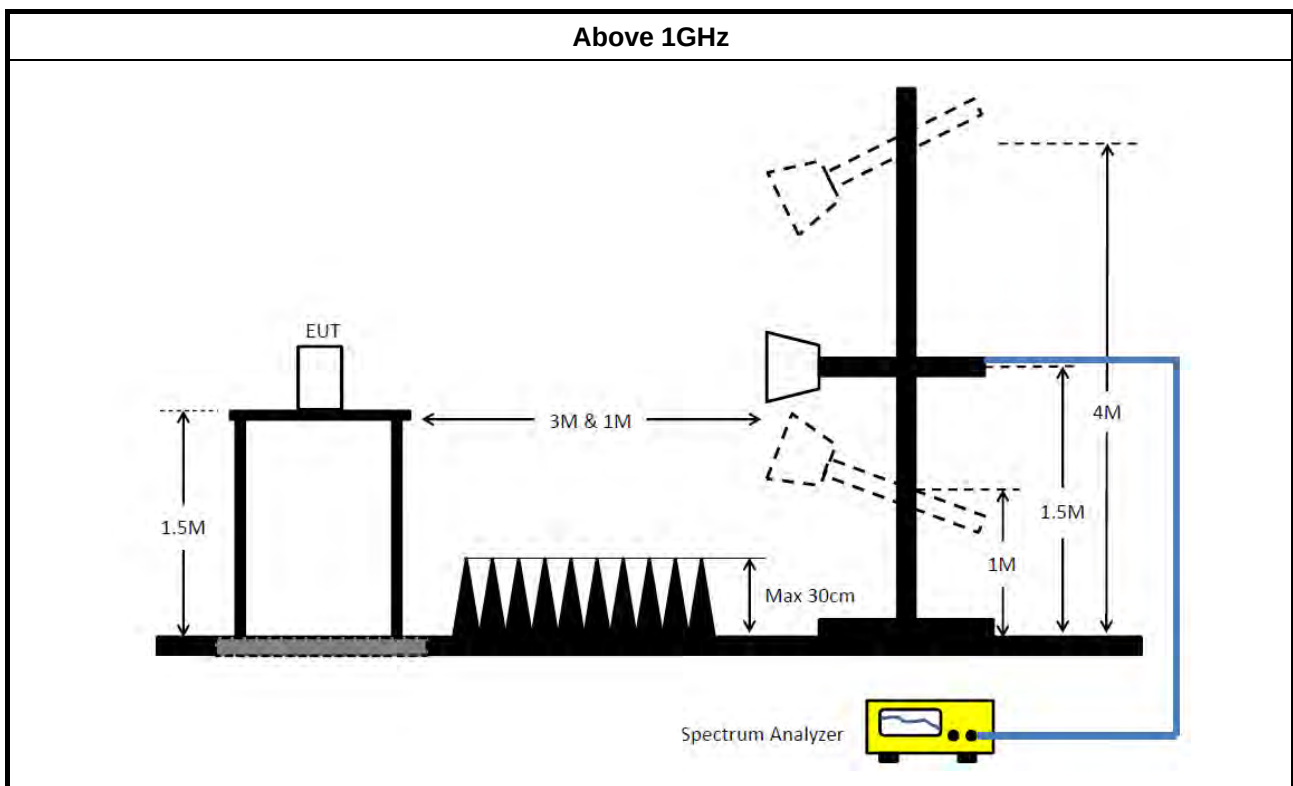
Refer a test equipment and calibration data table in this test report.

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 FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.
	☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.

Test Method	
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.4.4 Test Setup



3.4.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Bilog Antenna	Schaffner	CBL6112B & N-6-06	2928 & AT-N0607	20MHz ~ 2GHz	Jan. 02, 2019	Jan. 01, 2020	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 24, 2019	Jan. 23, 2020	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Dec. 20, 2018	Dec. 19, 2019	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH03-CB)
High Cable	Woken	RG402	High Cable-20+27	1GHz ~ 18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH03-CB)
High Cable	Woken	RG402	High Cable-27	1GHz ~ 18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH03-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH03-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz ~ 26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT160_Nss1,(MCS0)_4TX	81.84M	75.722M	75M7D1D	80.96M	75.642M
802.11ax HEW160_Nss1,(MCS0)_4TX	80.96M	77.241M	77M2D1D	80.8M	76.922M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	115.6M	75.802M	75M8D1D	80.96M	75.642M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.28M	77.321M	77M3D1D	80.88M	76.922M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.72M	16.612M	16M6D1D	21.33M	16.552M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.84M	17.811M	17M8D1D	21.51M	17.721M
802.11ac VHT40_Nss1,(MCS0)_4TX	45.6M	36.342M	36M3D1D	39.72M	36.102M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.84M	75.682M	75M7D1D	81.48M	75.562M
802.11ac VHT160_Nss1,(MCS0)_4TX	82.64M	75.642M	75M6D1D	80.4M	75.562M
802.11ax HEW20_Nss1,(MCS0)_4TX	25.5M	18.981M	19M0D1D	21.39M	18.921M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.08M	37.601M	37M6D1D	39.9M	37.421M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.96M	77.121M	77M1D1D	81.48M	76.882M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.2M	77.001M	77M0D1D	80.88M	76.842M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.84M	17.841M	17M8D1D	21.45M	17.721M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.38M	36.342M	36M3D1D	39.78M	36.162M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	82.2M	75.802M	75M8D1D	81.24M	75.562M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	83.2M	75.802M	75M8D1D	80.64M	75.562M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.89M	18.981M	19M0D1D	21.45M	18.921M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.14M	37.601M	37M6D1D	39.9M	37.421M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.84M	77.121M	77M1D1D	81.24M	76.882M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.2M	77.001M	77M0D1D	80.72M	77.001M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.69M	16.642M	16M6D1D	15.57M	13.328M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.81M	17.811M	17M8D1D	15.795M	13.928M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.32M	36.402M	36M4D1D	34.895M	33.023M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.84M	75.802M	75M8D1D	75.675M	72.339M
802.11ac VHT160_Nss1,(MCS0)_4TX	165.12M	154.243M	154MD1D	163.44M	153.763M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.9M	18.981M	19M0D1D	15.735M	14.498M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.14M	37.601M	37M6D1D	34.965M	33.653M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.84M	77.241M	77M2D1D	75.6M	73.088M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.88M	155.202M	155MD1D	164.16M	154.963M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.9M	17.811M	17M8D1D	15.765M	13.943M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.44M	36.282M	36M3D1D	34.895M	33.023M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	82.08M	75.922M	75M9D1D	75.75M	72.414M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	165.12M	154.003M	154MD1D	163.68M	153.763M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.9M	18.981M	19M0D1D	15.765M	14.498M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.62M	37.601M	37M6D1D	35.035M	33.618M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.6M	77.241M	77M2D1D	75.45M	73.163M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	164.64M	154.963M	155MD1D	164.4M	154.483M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.12M	3.898M	3M90D1D	3.1M	3.818M
802.11ac VHT20_Nss1,(MCS0)_4TX	3.74M	4.218M	4M22D1D	3.72M	4.138M

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ac VHT40_Nss1,(MCS0)_4TX	3.1M	3.518M	3M52D1D	3.1M	3.438M
802.11ac VHT80_Nss1,(MCS0)_4TX	3.08M	3.798M	3M80D1D	3.08M	3.518M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.46M	4.478M	4M48D1D	4.42M	4.458M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.76M	3.998M	4M00D1D	3.68M	3.978M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.76M	4.038M	4M04D1D	3.3M	3.978M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	3.74M	4.238M	4M24D1D	3.7M	4.118M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	3.1M	3.458M	3M46D1D	3.1M	3.438M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	3.1M	3.658M	3M66D1D	3.08M	3.478M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.46M	4.478M	4M48D1D	4.44M	4.458M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.94M	3.998M	4M00D1D	3.86M	3.958M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.84M	4.018M	4M02D1D	3.3M	3.978M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.45M	16.552M	21.63M	16.552M	21.57M	16.582M	21.48M	16.612M
5300MHz	Pass	Inf	21.42M	16.552M	21.72M	16.582M	21.66M	16.582M	21.48M	16.582M
5320MHz	Pass	Inf	21.51M	16.582M	21.51M	16.582M	21.6M	16.582M	21.33M	16.612M
5500MHz	Pass	Inf	21.63M	16.582M	21.66M	16.642M	21.48M	16.582M	21.36M	16.582M
5580MHz	Pass	Inf	21.63M	16.642M	21.63M	16.582M	21.39M	16.612M	21.54M	16.552M
5700MHz	Pass	Inf	21.45M	16.582M	21.69M	16.612M	21.57M	16.582M	21.42M	16.582M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.795M	13.328M	15.705M	13.358M	15.57M	13.358M	15.645M	13.358M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.818M	3.1M	3.898M	3.1M	3.858M	3.1M	3.818M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.69M	17.751M	21.75M	17.721M	21.54M	17.751M	21.81M	17.811M
5300MHz	Pass	Inf	21.63M	17.781M	21.63M	17.751M	21.51M	17.781M	21.84M	17.781M
5320MHz	Pass	Inf	21.57M	17.781M	21.54M	17.751M	21.6M	17.751M	21.81M	17.781M
5500MHz	Pass	Inf	21.54M	17.751M	21.63M	17.751M	21.78M	17.781M	21.63M	17.811M
5580MHz	Pass	Inf	21.54M	17.751M	21.57M	17.781M	21.78M	17.781M	21.63M	17.781M
5700MHz	Pass	Inf	21.51M	17.781M	21.54M	17.781M	21.75M	17.781M	21.81M	17.811M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.795M	13.943M	15.795M	13.958M	15.795M	13.928M	15.825M	13.973M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.72M	4.138M	3.74M	4.178M	3.72M	4.218M	3.72M	4.218M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.78M	36.342M	39.84M	36.222M	40.08M	36.222M	40.2M	36.282M
5310MHz	Pass	Inf	39.78M	36.282M	39.72M	36.102M	39.84M	36.282M	45.6M	36.282M
5510MHz	Pass	Inf	39.96M	36.222M	39.9M	36.282M	40.32M	36.282M	39.78M	36.222M
5550MHz	Pass	Inf	40.14M	36.282M	39.84M	36.222M	40.32M	36.162M	39.66M	36.402M
5670MHz	Pass	Inf	40.02M	36.222M	39.96M	36.222M	40.32M	36.222M	39.84M	36.222M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35M	33.023M	34.965M	33.023M	35.28M	33.058M	34.895M	33.093M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	3.518M	3.1M	3.458M	3.1M	3.498M	3.1M	3.438M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.84M	75.682M	81.48M	75.562M	81.72M	75.682M	81.84M	75.682M
5530MHz	Pass	Inf	81.36M	75.682M	81.72M	75.802M	81.84M	75.682M	81.72M	75.682M
5610MHz	Pass	Inf	81.48M	75.802M	81.6M	75.682M	81.84M	75.682M	81.84M	75.802M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.675M	72.339M	75.75M	72.564M	76.125M	72.489M	76.05M	72.414M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.08M	3.598M	3.08M	3.578M	3.08M	3.798M	3.08M	3.518M
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.96M	75.722M	81.84M	75.642M	81.6M	75.722M	81.12M	75.642M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80.56M	75.642M	82.64M	75.562M	80.4M	75.642M	81.52M	75.642M
5570MHz	Pass	Inf	163.92M	154.243M	165.12M	153.763M	163.44M	153.763M	163.92M	153.763M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.48M	18.951M	23.34M	18.981M	21.78M	18.921M	21.66M	18.981M
5300MHz	Pass	Inf	21.39M	18.951M	21.66M	18.981M	21.72M	18.951M	24.24M	18.981M
5320MHz	Pass	Inf	21.48M	18.951M	21.66M	18.981M	21.75M	18.981M	25.5M	18.951M
5500MHz	Pass	Inf	21.9M	18.981M	21.54M	18.951M	21.69M	18.981M	21.36M	18.951M
5580MHz	Pass	Inf	21.84M	18.951M	21.63M	18.981M	21.78M	18.951M	21.45M	18.951M
5700MHz	Pass	Inf	21.78M	18.981M	21.57M	18.951M	21.87M	18.951M	21.39M	18.981M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.945M	14.498M	15.765M	14.513M	15.84M	14.513M	15.735M	14.513M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.458M	4.44M	4.478M	4.42M	4.478M	4.46M	4.458M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.08M	37.541M	40.08M	37.481M	40.08M	37.541M	39.9M	37.481M
5310MHz	Pass	Inf	40.08M	37.541M	39.96M	37.541M	39.96M	37.421M	39.96M	37.601M
5510MHz	Pass	Inf	39.96M	37.481M	39.84M	37.541M	39.96M	37.601M	40.08M	37.541M
5550MHz	Pass	Inf	40.14M	37.541M	39.84M	37.541M	40.08M	37.541M	40.14M	37.481M
5670MHz	Pass	Inf	40.08M	37.541M	39.84M	37.601M	40.02M	37.541M	40.14M	37.481M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.175M	33.653M	34.965M	33.688M	35M	33.723M	35.07M	33.653M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	3.998M	3.76M	3.978M	3.74M	3.998M	3.68M	3.978M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.48M	77.121M	81.84M	76.882M	81.96M	77.001M	81.84M	77.121M
5530MHz	Pass	Inf	81.24M	77.001M	81.48M	77.121M	81.48M	77.001M	81.6M	77.001M
5610MHz	Pass	Inf	81.36M	77.241M	81.6M	77.121M	81.6M	77.001M	81.84M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.75M	73.238M	75.6M	73.088M	75.75M	73.163M	75.975M	73.163M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.7M	3.998M	3.64M	3.998M	3.76M	4.038M	3.3M	3.978M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.8M	77.081M	80.96M	77.241M	80.8M	77.001M	80.8M	76.922M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.2M	76.922M	80.88M	76.842M	81.04M	77.001M	80.96M	76.842M
5570MHz	Pass	Inf	164.88M	155.202M	164.16M	155.202M	164.4M	154.963M	164.16M	154.963M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.66M	17.781M	21.75M	17.781M	21.51M	17.781M	21.75M	17.721M
5300MHz	Pass	Inf	21.84M	17.811M	21.45M	17.781M	21.45M	17.781M	21.81M	17.781M
5320MHz	Pass	Inf	21.6M	17.751M	21.57M	17.751M	21.48M	17.751M	21.81M	17.841M
5500MHz	Pass	Inf	21.45M	17.751M	21.6M	17.751M	21.9M	17.811M	21.81M	17.751M
5580MHz	Pass	Inf	21.54M	17.781M	21.6M	17.751M	21.69M	17.781M	21.6M	17.781M
5700MHz	Pass	Inf	21.51M	17.781M	21.6M	17.781M	21.9M	17.811M	21.84M	17.811M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.78M	13.958M	15.765M	13.943M	15.855M	13.943M	15.795M	13.958M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.72M	4.198M	3.7M	4.198M	3.74M	4.238M	3.7M	4.118M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.84M	36.222M	39.84M	36.282M	40.02M	36.282M	40.26M	36.342M
5310MHz	Pass	Inf	39.78M	36.222M	39.78M	36.162M	39.96M	36.282M	40.38M	36.282M
5510MHz	Pass	Inf	40.14M	36.222M	39.84M	36.222M	40.26M	36.282M	39.84M	36.222M
5550MHz	Pass	Inf	40.02M	36.222M	39.96M	36.222M	40.2M	36.222M	39.9M	36.222M
5670MHz	Pass	Inf	40.02M	36.222M	39.96M	36.222M	40.44M	36.222M	39.78M	36.282M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.07M	33.058M	34.895M	33.023M	35.28M	33.093M	34.895M	33.058M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	3.458M	3.1M	3.438M	3.1M	3.438M	3.1M	3.458M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.84M	75.682M	81.36M	75.562M	81.24M	75.802M	82.2M	75.682M
5530MHz	Pass	Inf	81.48M	75.802M	81.36M	75.562M	81.84M	75.562M	81.6M	75.802M
5610MHz	Pass	Inf	81.6M	75.802M	81.48M	75.922M	82.08M	75.682M	81.84M	75.682M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.75M	72.489M	75.9M	72.564M	76.05M	72.414M	75.9M	72.414M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.08M	3.558M	3.1M	3.598M	3.08M	3.658M	3.1M	3.478M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.96M	75.722M	115.6M	75.802M	81.44M	75.642M	81.12M	75.722M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80.64M	75.802M	83.2M	75.562M	80.88M	75.562M	81.44M	75.802M

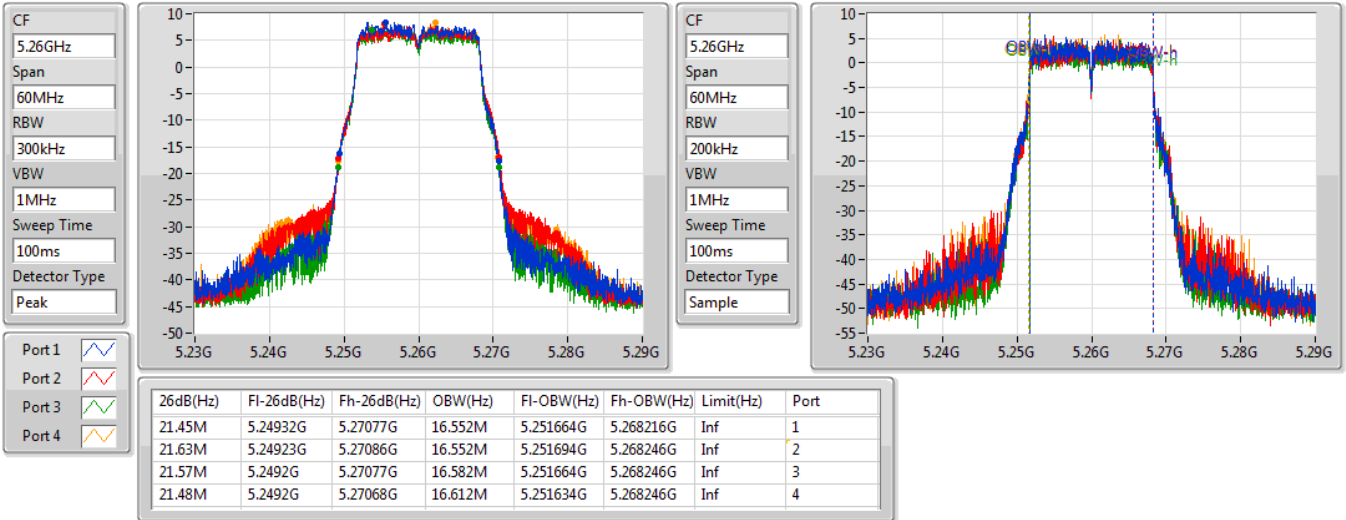
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5570MHz	Pass	Inf	163.92M	154.003M	165.12M	153.763M	163.68M	154.003M	164.16M	153.763M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.51M	18.951M	21.69M	18.951M	21.81M	18.921M	21.66M	18.951M
5300MHz	Pass	Inf	21.45M	18.981M	21.6M	18.981M	21.84M	18.981M	21.75M	18.981M
5320MHz	Pass	Inf	21.48M	18.981M	21.6M	18.951M	21.75M	18.951M	22.89M	18.951M
5500MHz	Pass	Inf	21.87M	18.951M	21.66M	18.981M	21.72M	18.981M	21.39M	18.981M
5580MHz	Pass	Inf	21.75M	18.981M	21.57M	18.951M	21.75M	18.981M	21.45M	18.951M
5700MHz	Pass	Inf	21.9M	18.951M	21.66M	18.981M	21.75M	18.951M	21.48M	18.981M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.93M	14.513M	15.795M	14.513M	15.84M	14.513M	15.765M	14.498M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.478M	4.46M	4.478M	4.44M	4.478M	4.46M	4.458M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.02M	37.481M	40.02M	37.601M	40.08M	37.481M	39.96M	37.541M
5310MHz	Pass	Inf	40.14M	37.481M	39.96M	37.481M	39.96M	37.421M	39.9M	37.541M
5510MHz	Pass	Inf	40.62M	37.541M	40.14M	37.601M	39.96M	37.541M	40.08M	37.541M
5550MHz	Pass	Inf	40.56M	37.541M	40.2M	37.541M	40.02M	37.541M	40.08M	37.541M
5670MHz	Pass	Inf	40.44M	37.541M	40.14M	37.421M	40.02M	37.541M	40.14M	37.481M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.315M	33.688M	35.14M	33.758M	35.035M	33.618M	35.105M	33.723M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.86M	3.998M	3.94M	3.978M	3.94M	3.978M	3.86M	3.958M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.6M	77.121M	81.36M	76.882M	81.24M	77.121M	81.84M	77.001M
5530MHz	Pass	Inf	81.36M	77.001M	81.48M	76.882M	81.36M	77.001M	81.36M	77.121M
5610MHz	Pass	Inf	81.36M	77.241M	81.6M	77.121M	81.48M	77.241M	81.36M	76.882M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.45M	73.313M	75.6M	73.313M	75.75M	73.313M	75.9M	73.163M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.68M	3.998M	3.84M	3.998M	3.76M	4.018M	3.3M	3.978M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.88M	77.081M	81.12M	77.321M	81.28M	77.001M	80.88M	76.922M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.2M	77.001M	80.8M	77.001M	80.72M	77.001M	80.96M	77.001M
5570MHz	Pass	Inf	164.64M	154.483M	164.64M	154.963M	164.64M	154.723M	164.4M	154.963M

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

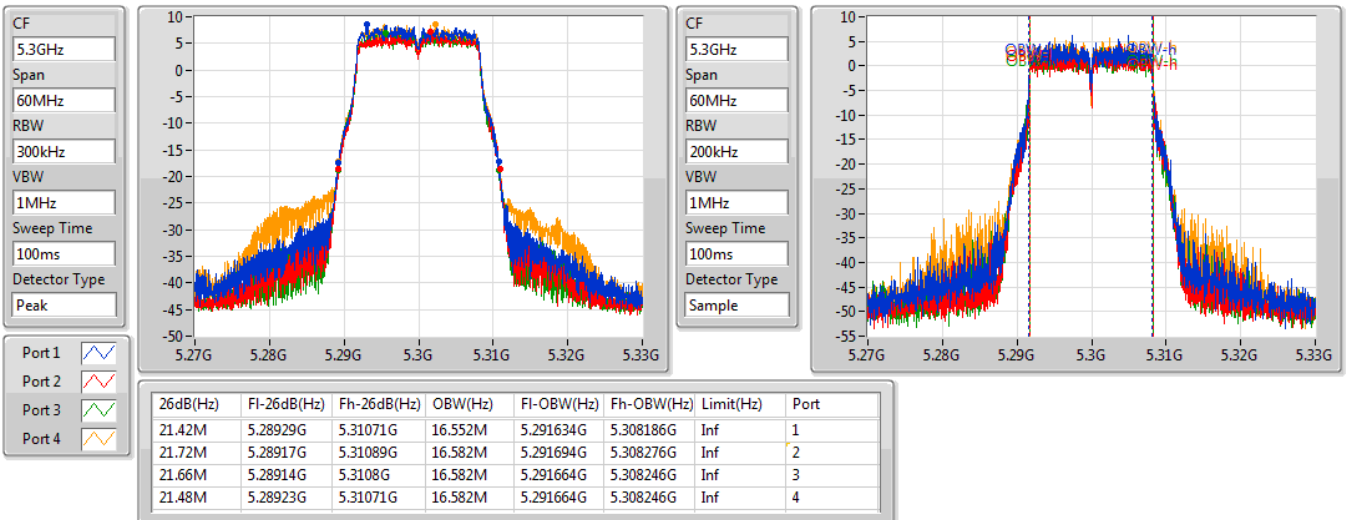
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX
EBW
5260MHz

09/05/2019

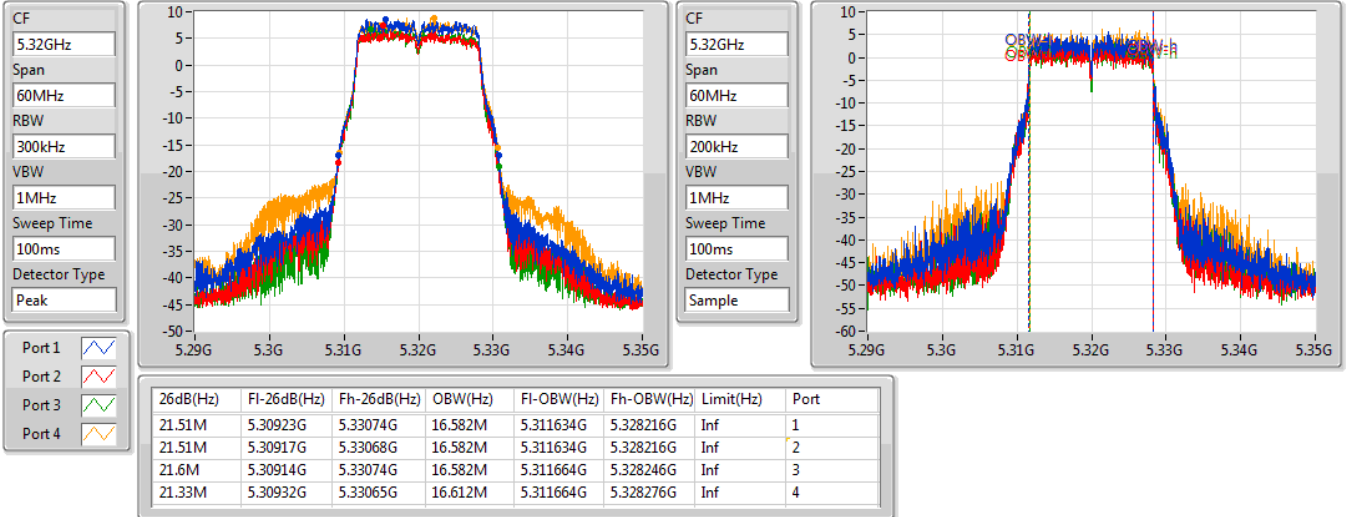

802.11a_Nss1,(6Mbps)_4TX
EBW
5300MHz

09/05/2019

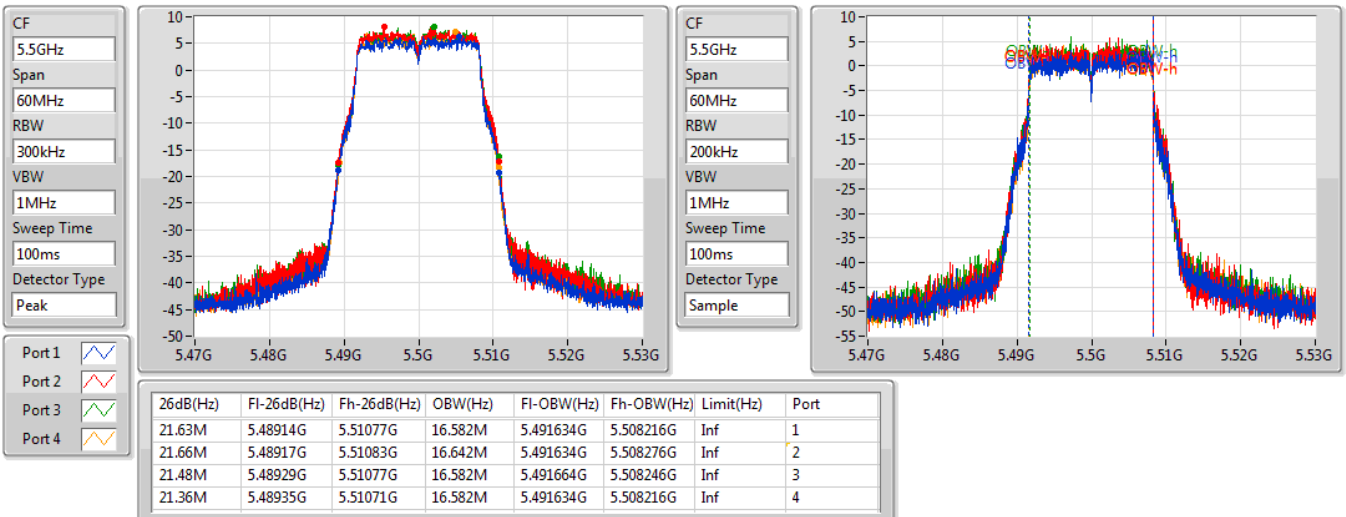


802.11a_Nss1,(6Mbps)_4TX
EBW
5320MHz

09/05/2019

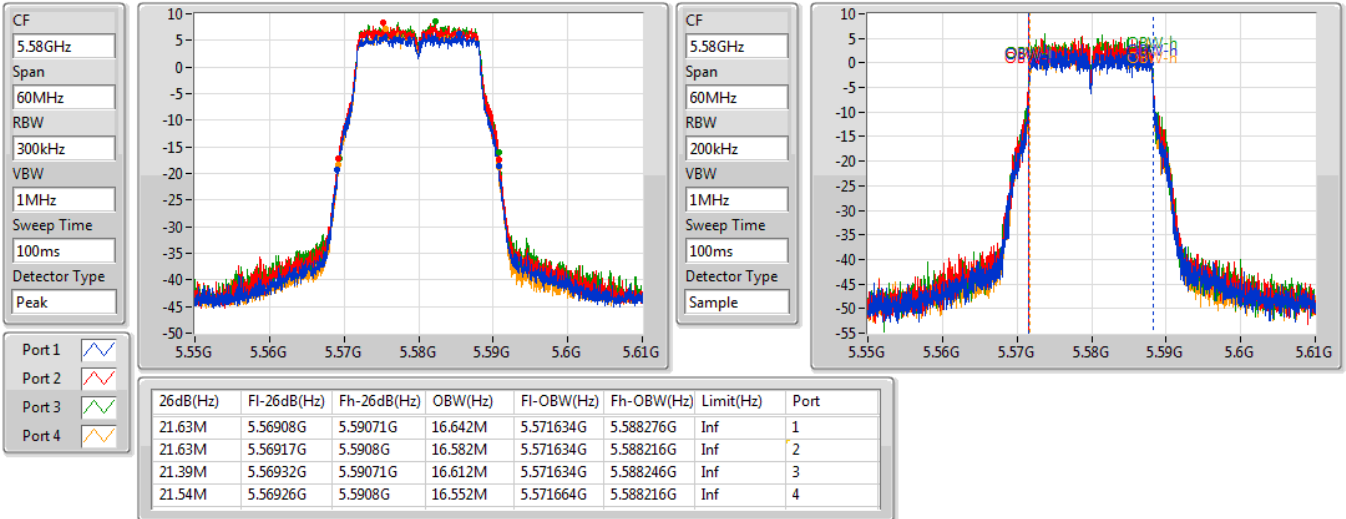

802.11a_Nss1,(6Mbps)_4TX
EBW
5500MHz

10/05/2019

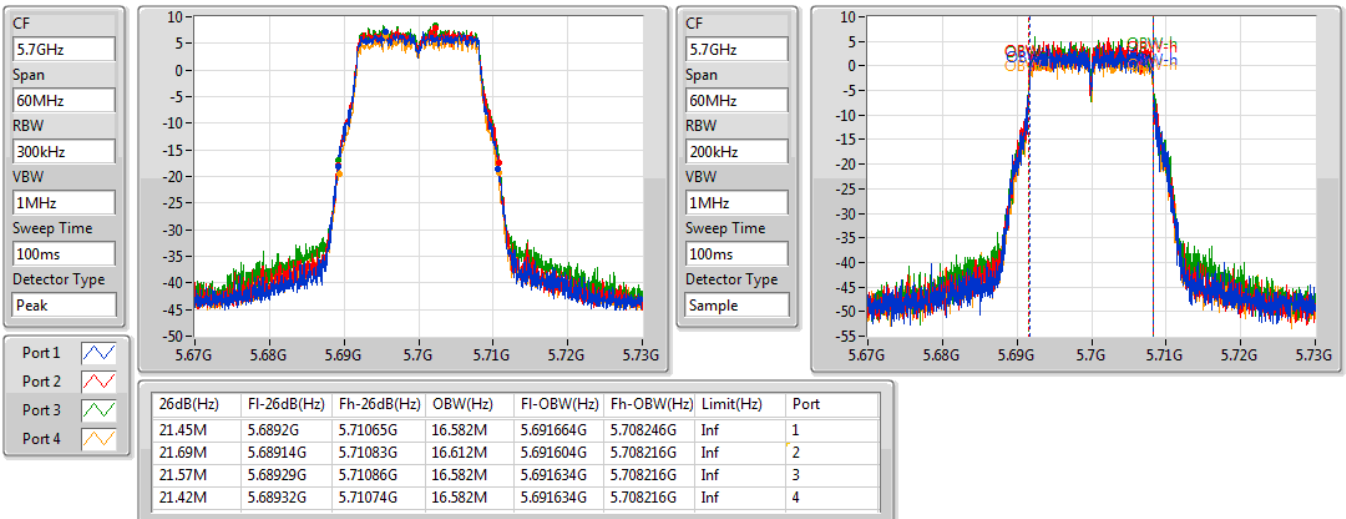


802.11a_Nss1,(6Mbps)_4TX
EBW
5580MHz

10/05/2019

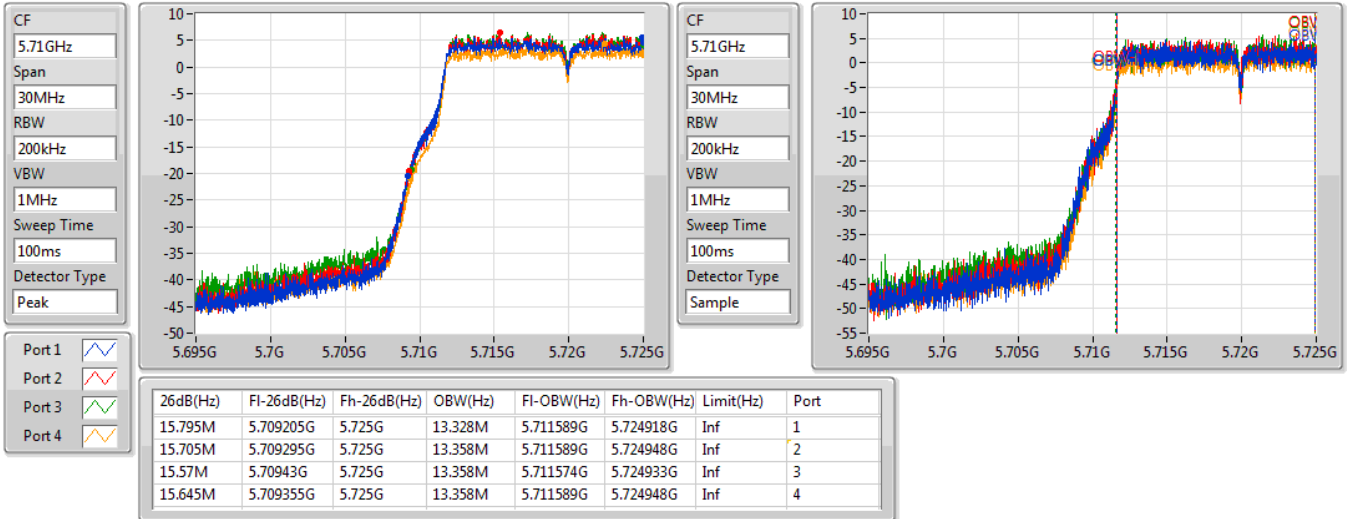

802.11a_Nss1,(6Mbps)_4TX
EBW
5700MHz

10/05/2019

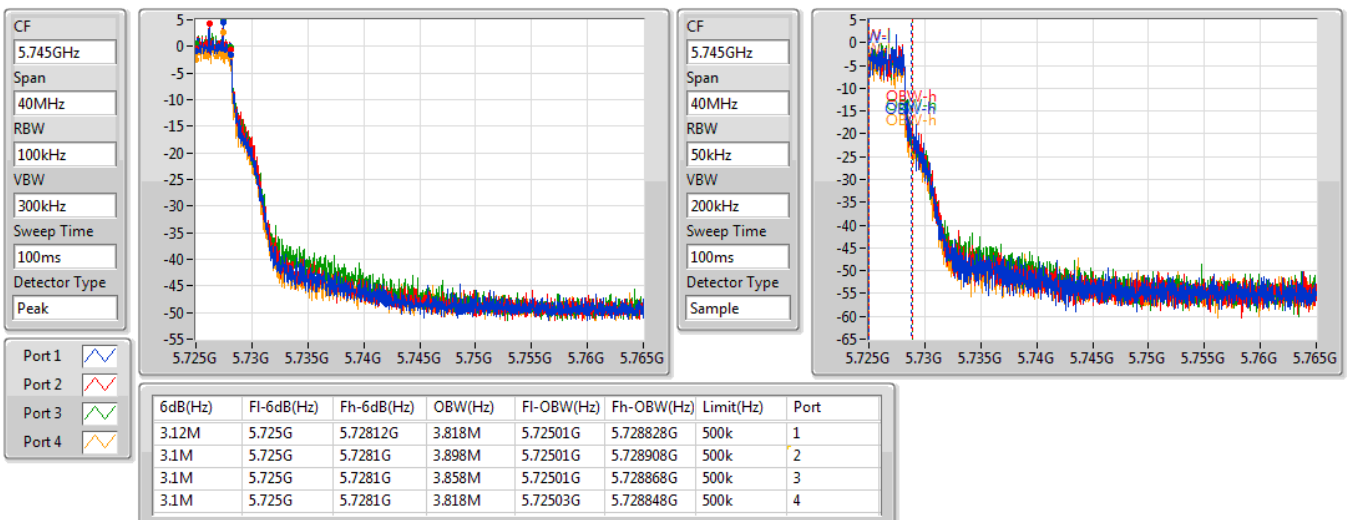


802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

10/05/2019

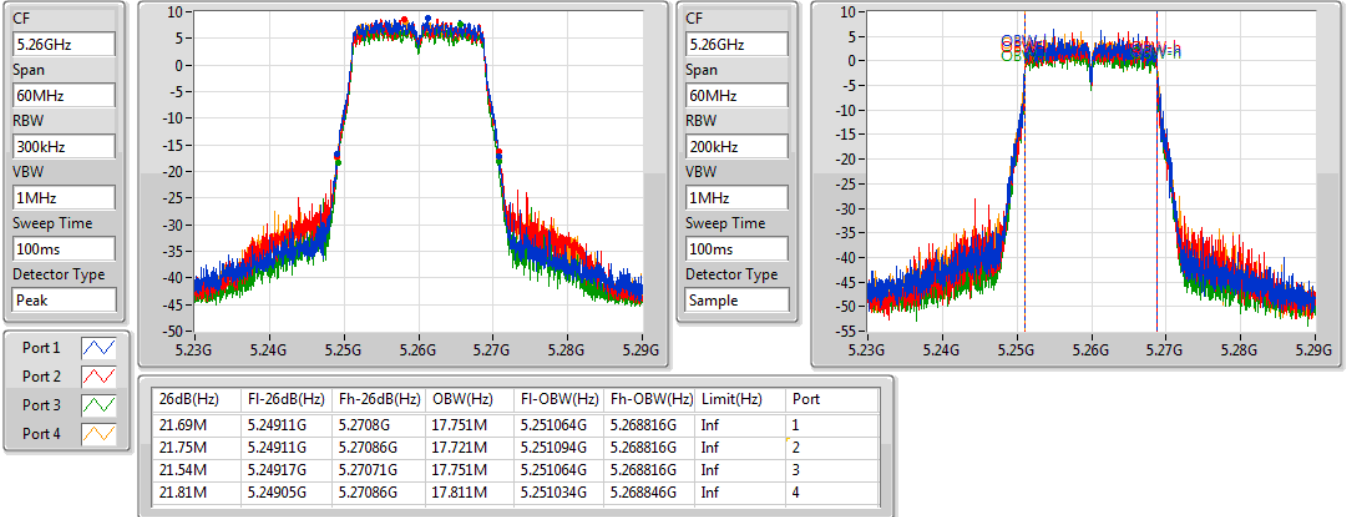

802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

10/05/2019

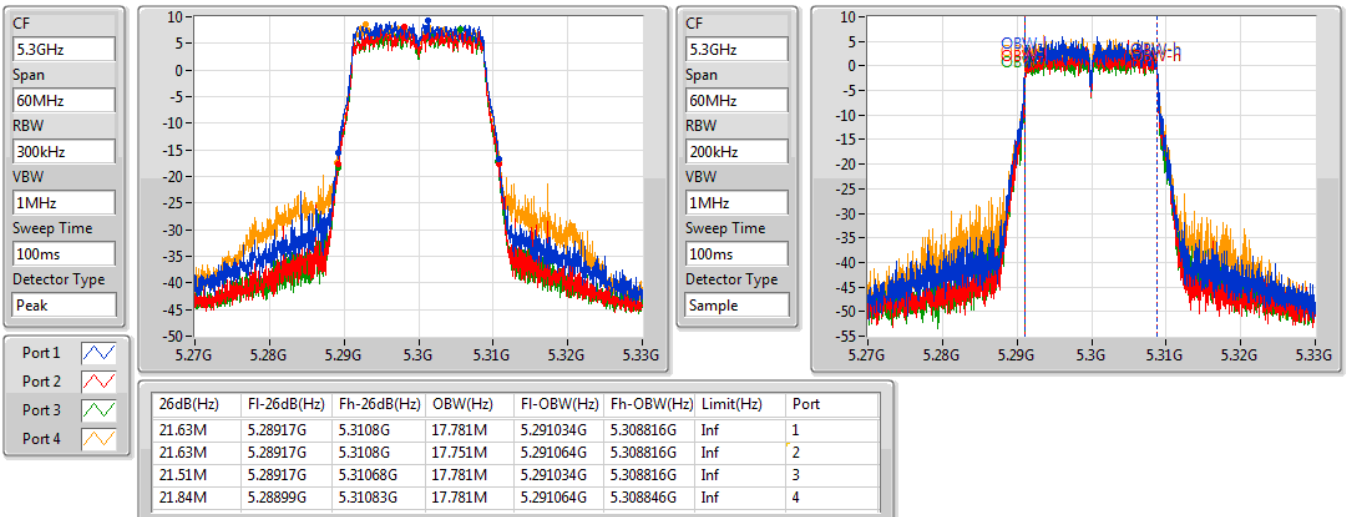


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5260MHz

10/05/2019

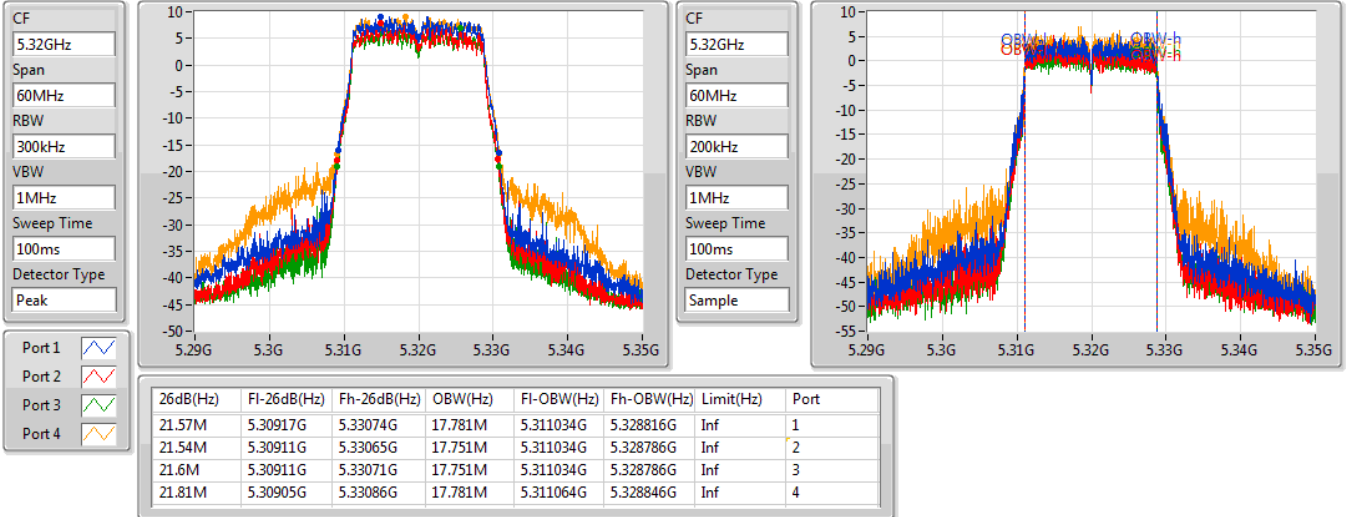

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5300MHz

10/05/2019

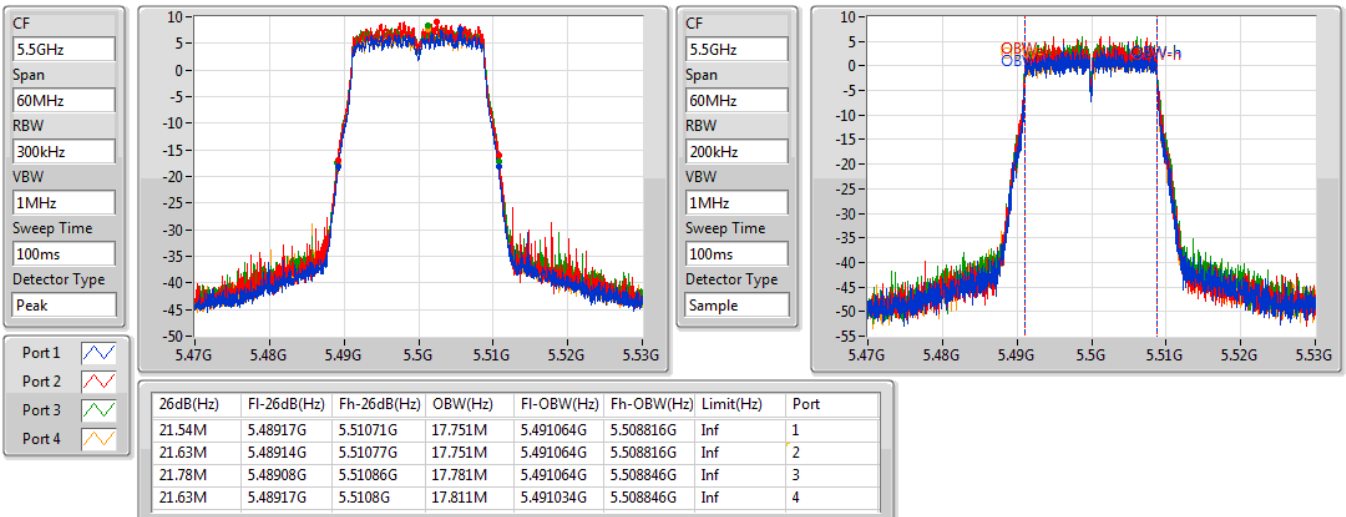


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5320MHz

10/05/2019

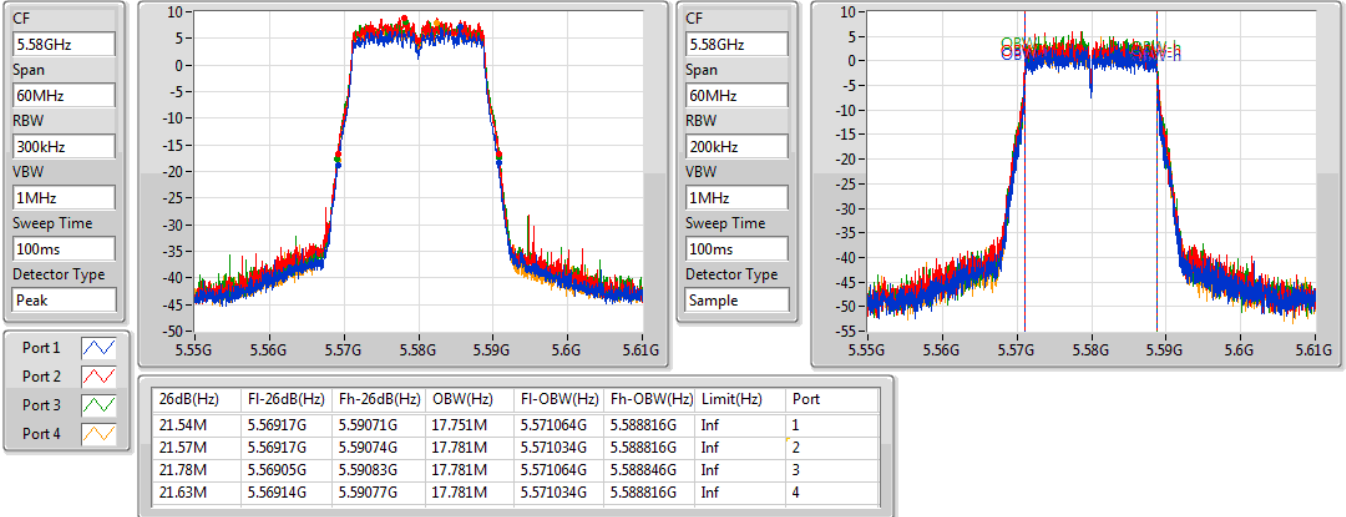

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5500MHz

10/05/2019

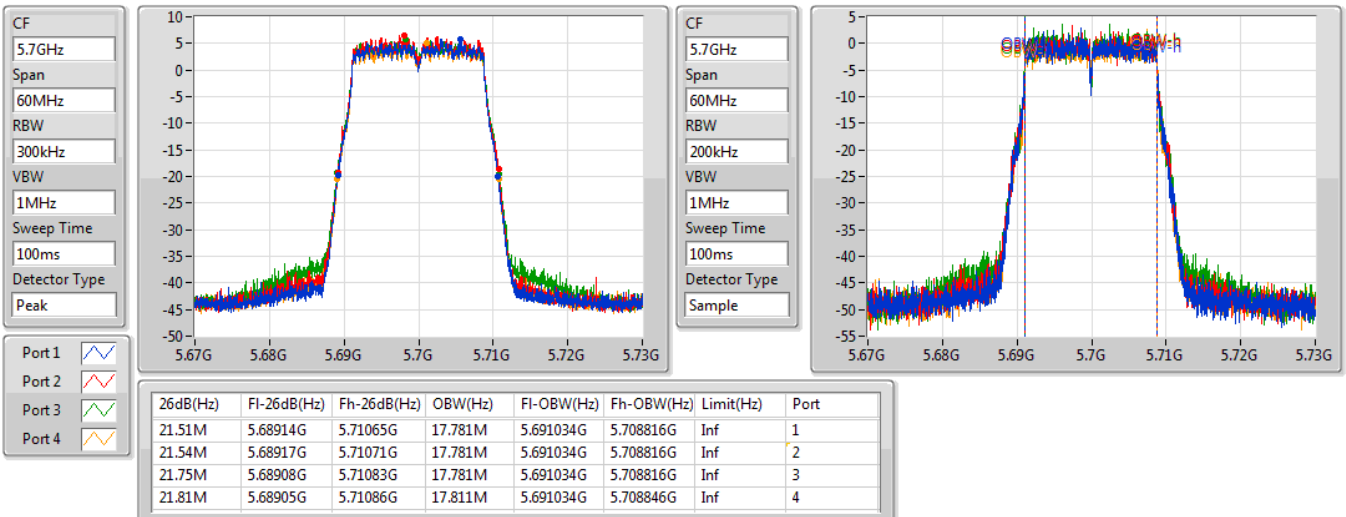


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5580MHz

10/05/2019

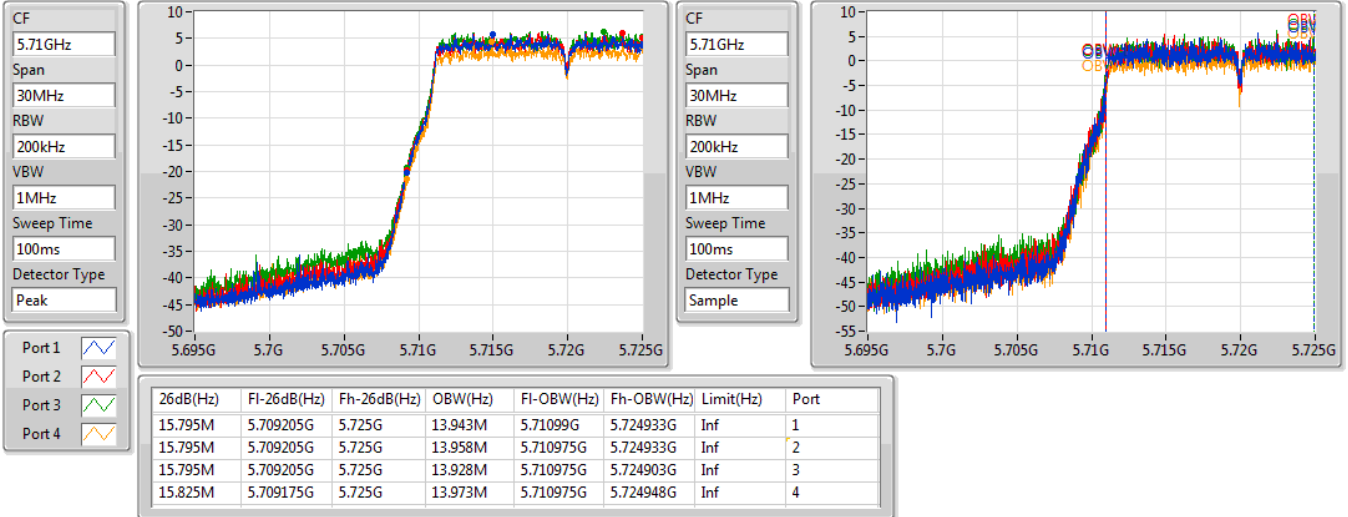

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5700MHz

10/05/2019

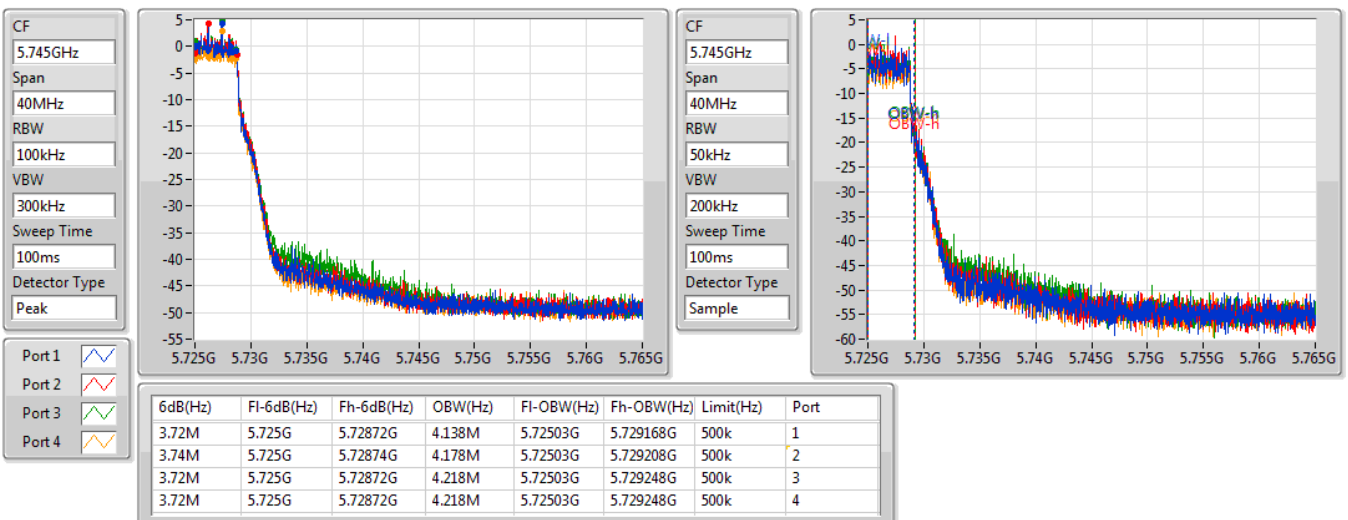


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

10/05/2019

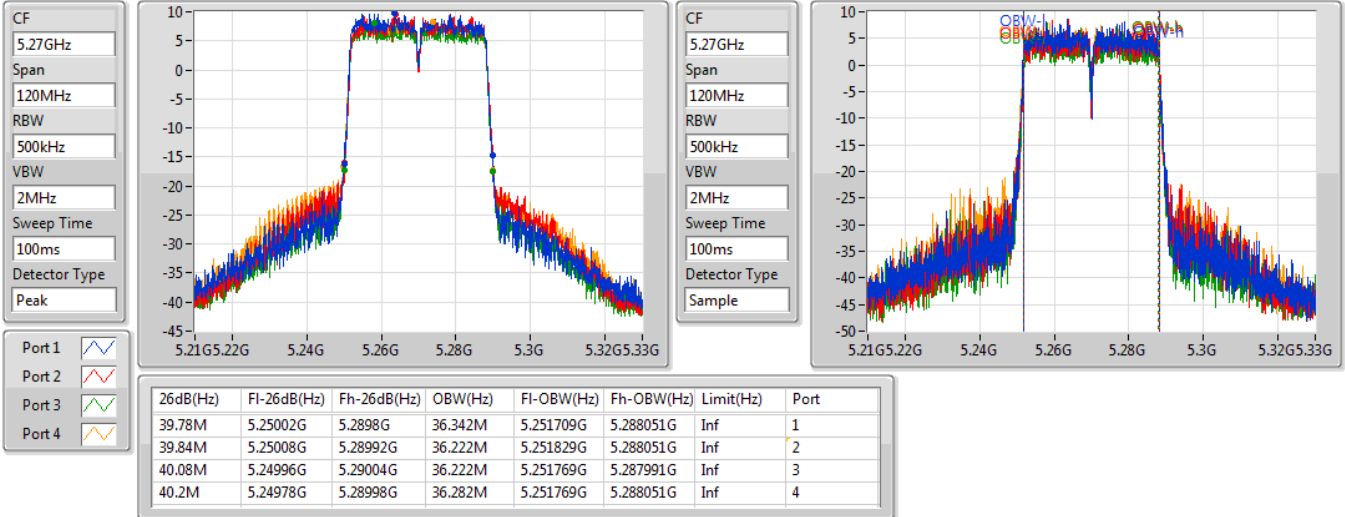

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

10/05/2019

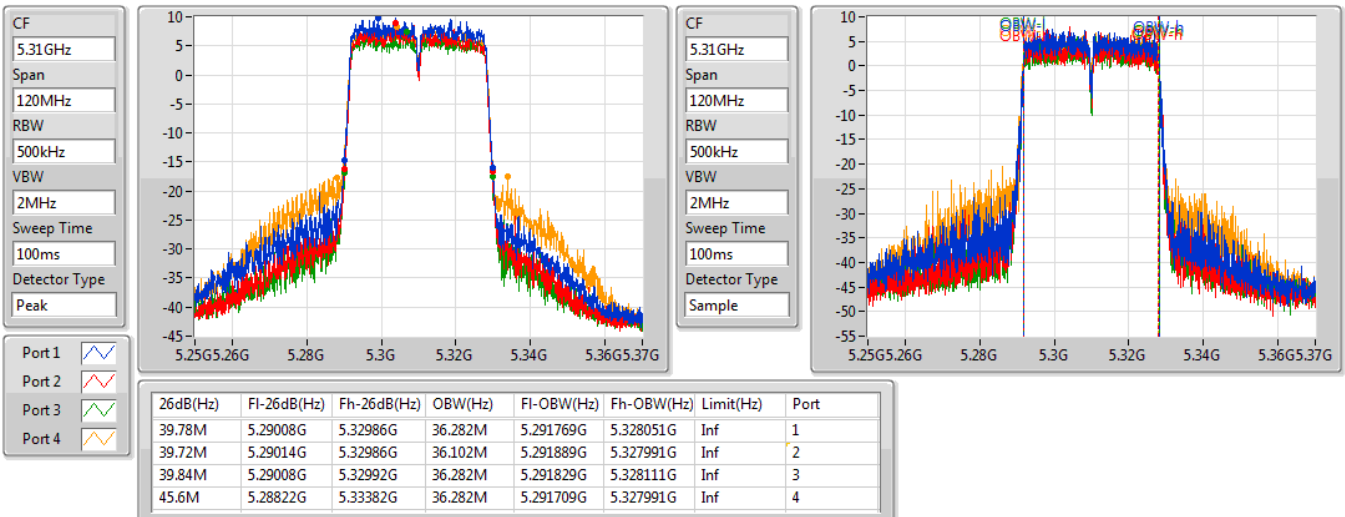


802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5270MHz

10/05/2019

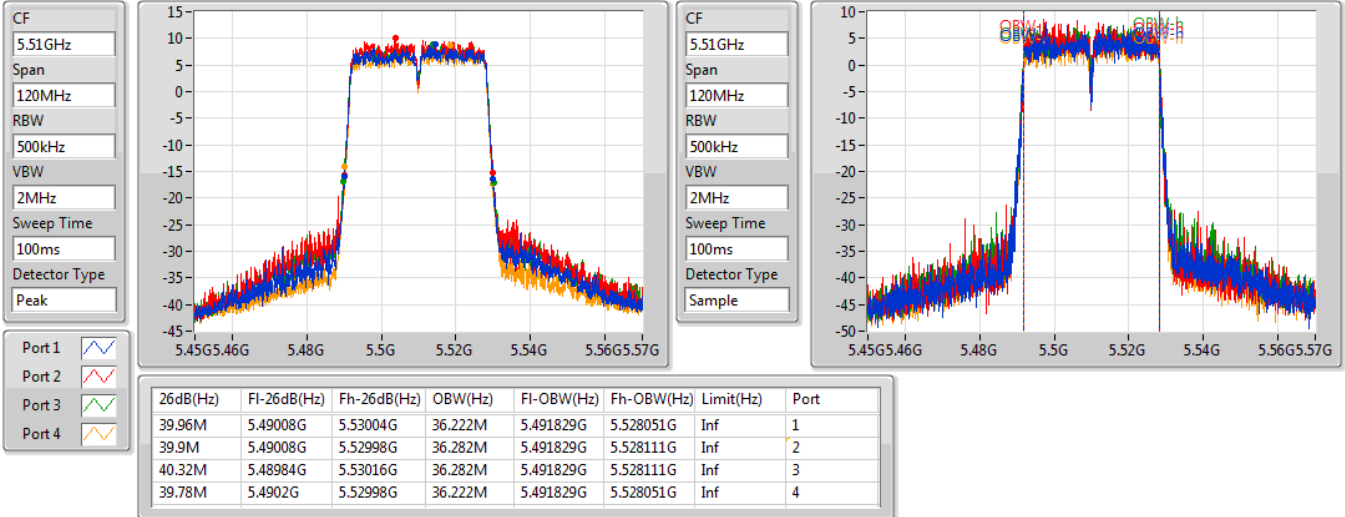

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5310MHz

10/05/2019

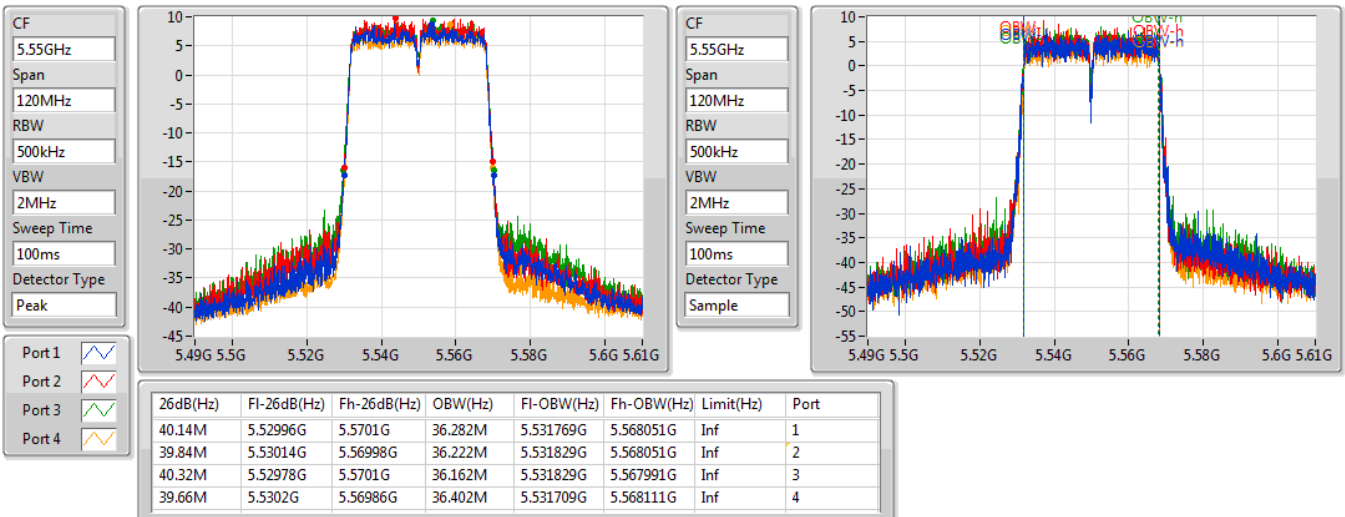


802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5510MHz

10/05/2019

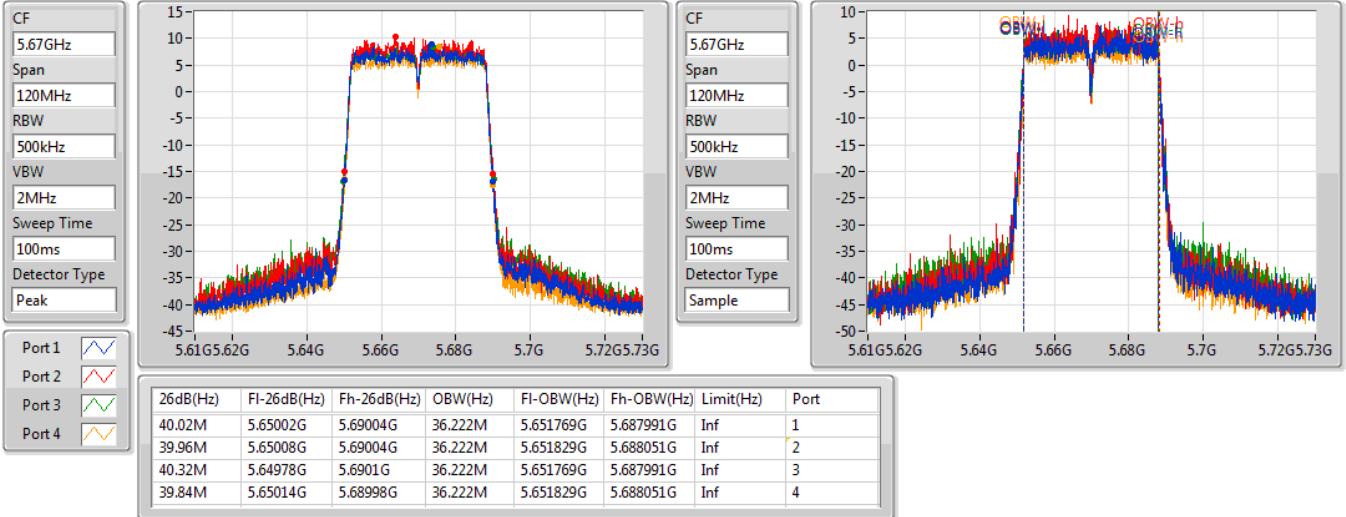

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5550MHz

10/05/2019

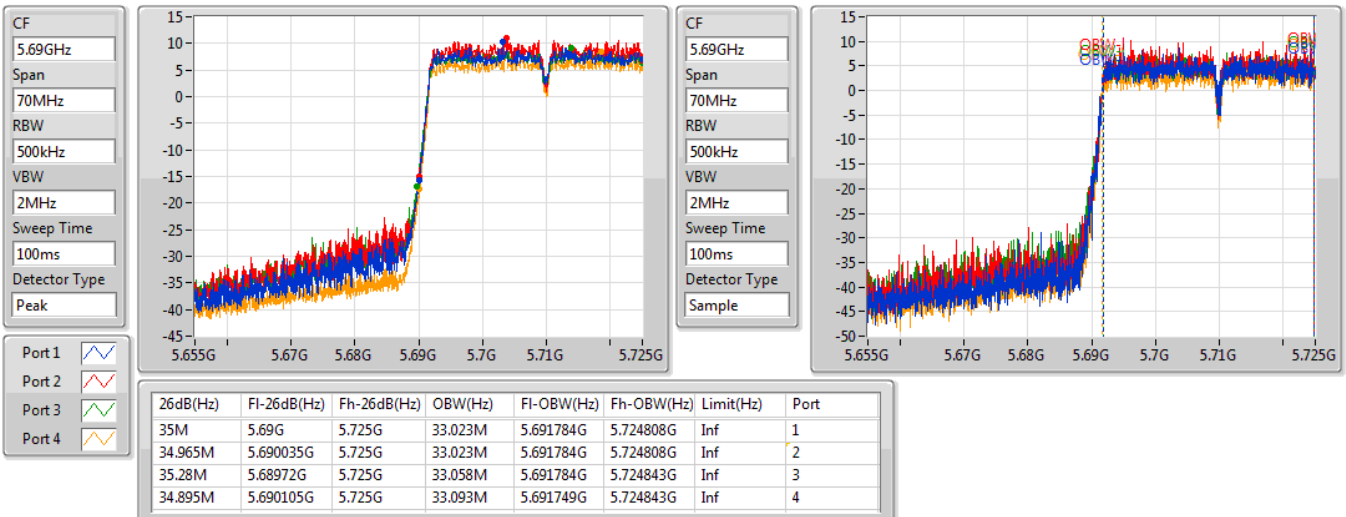


802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5670MHz

10/05/2019

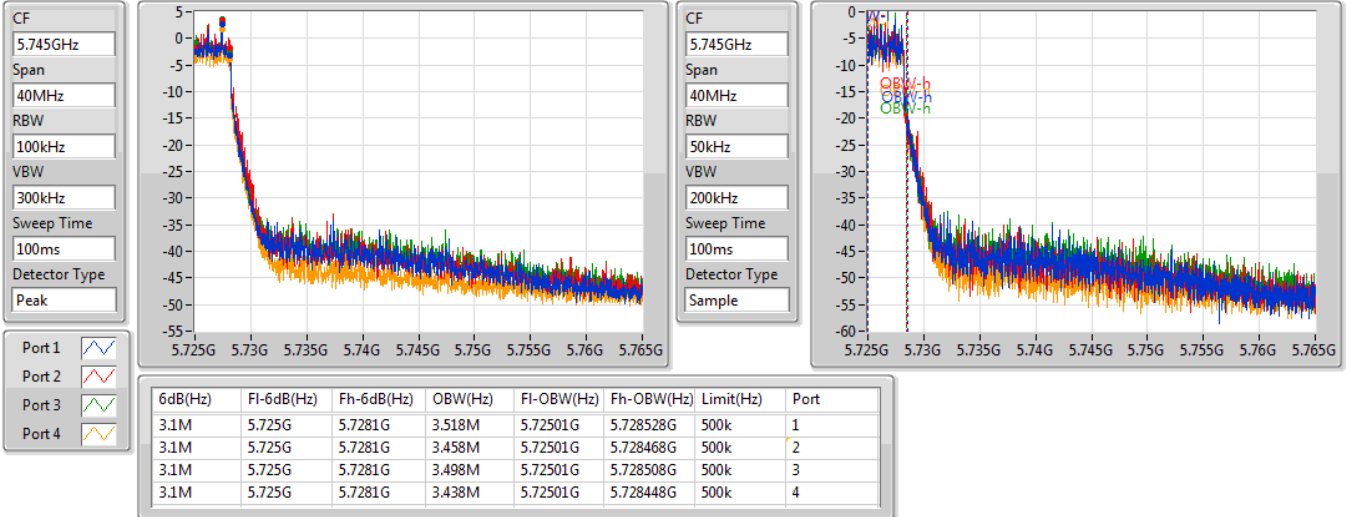

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

10/05/2019

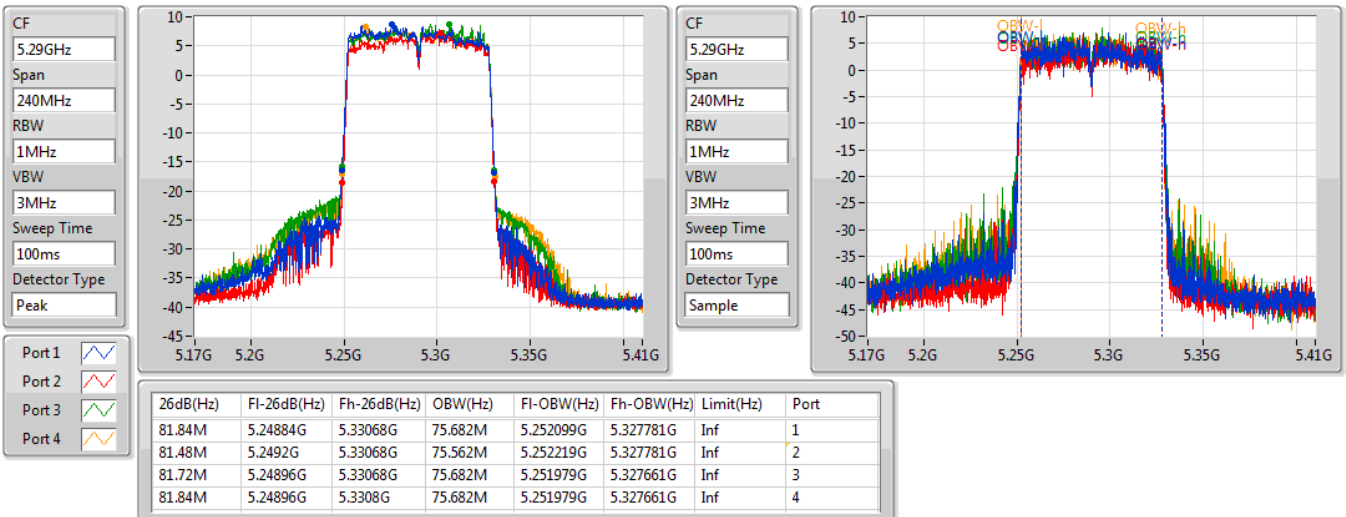


802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

10/05/2019

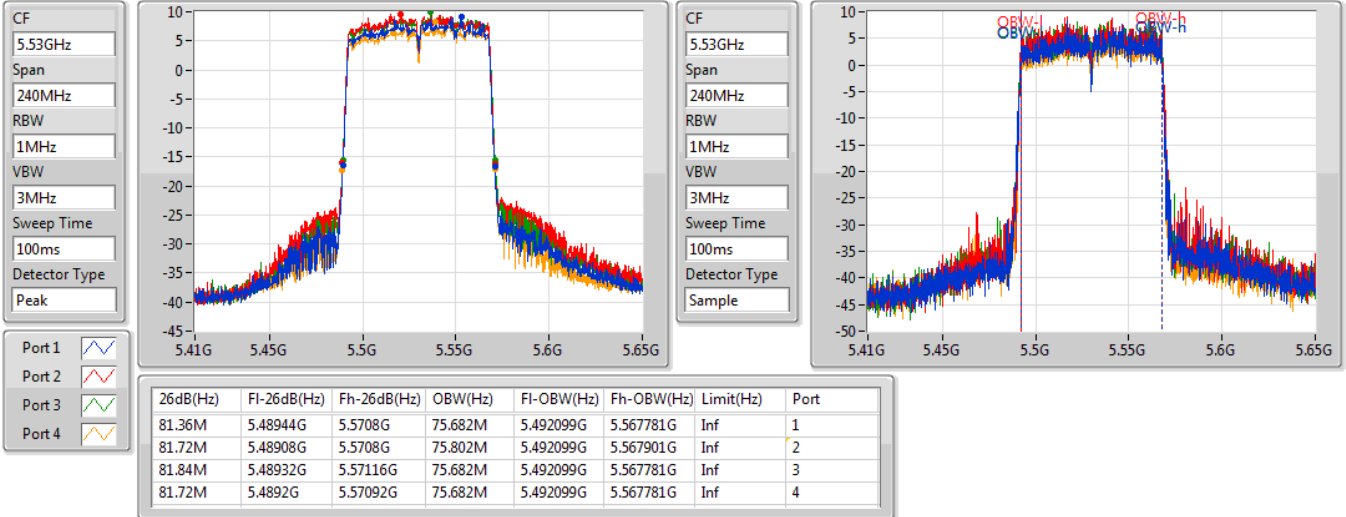

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5290MHz

10/05/2019

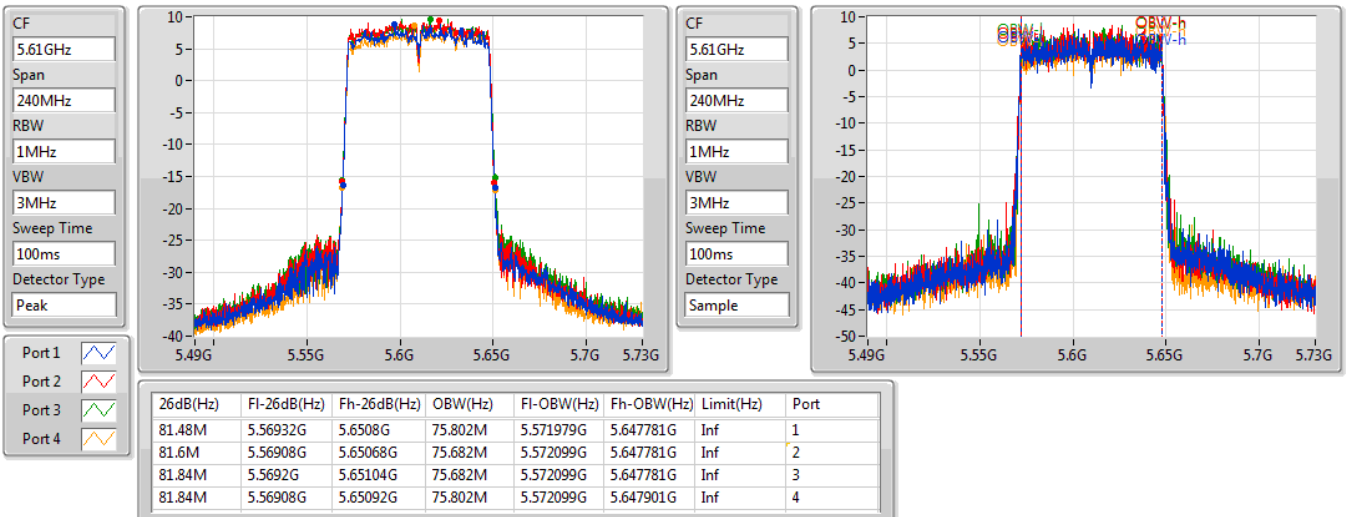


802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5530MHz

10/05/2019

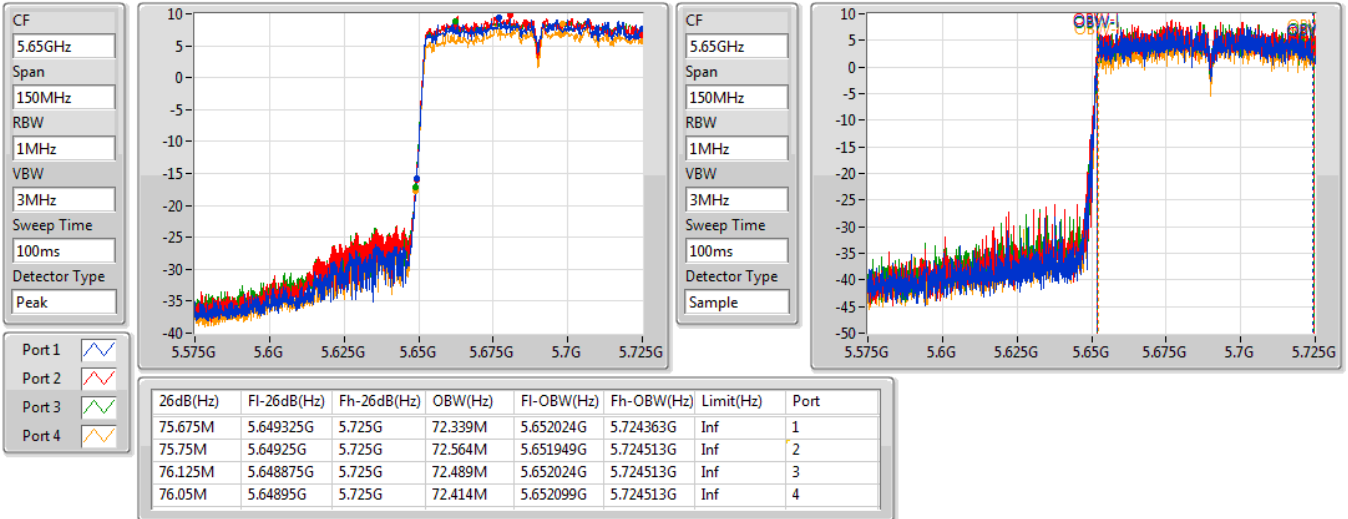

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5610MHz

10/05/2019

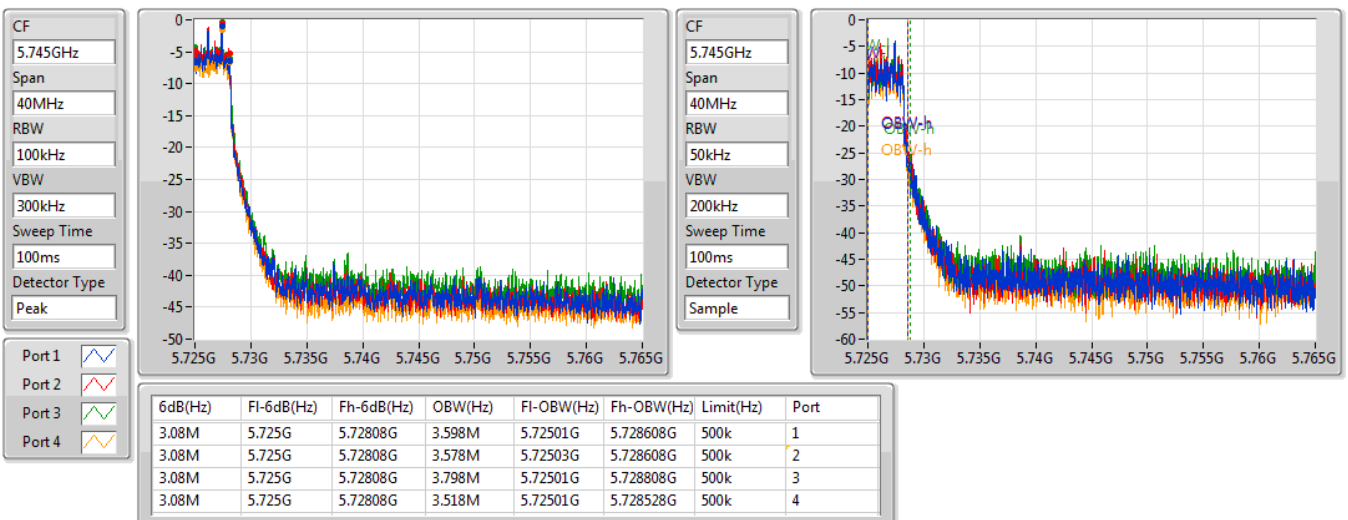


802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

10/05/2019

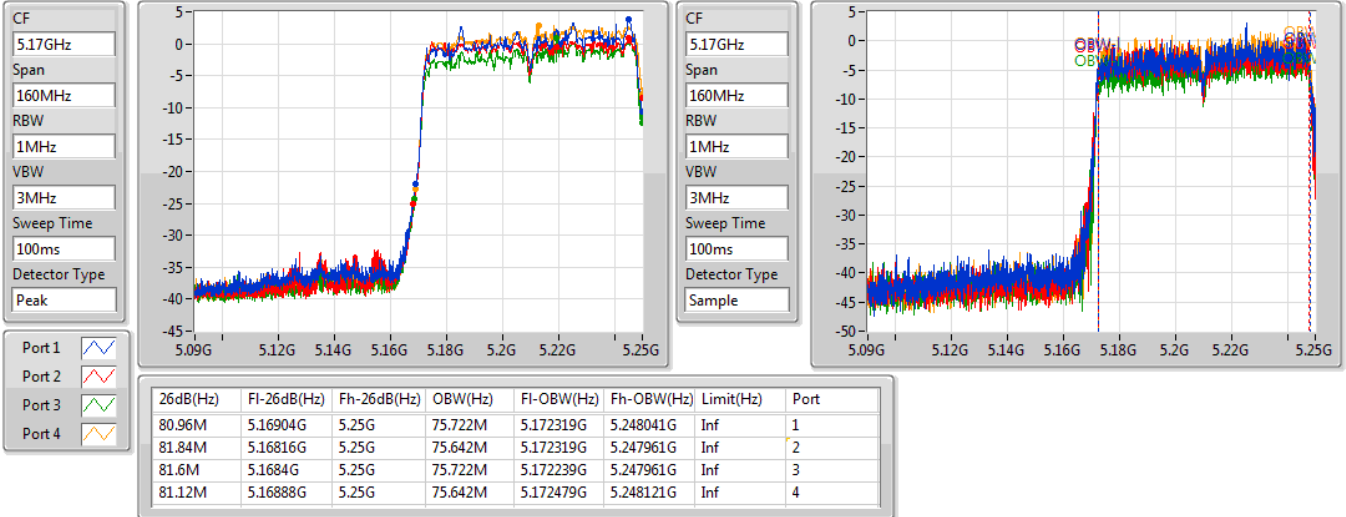

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

10/05/2019

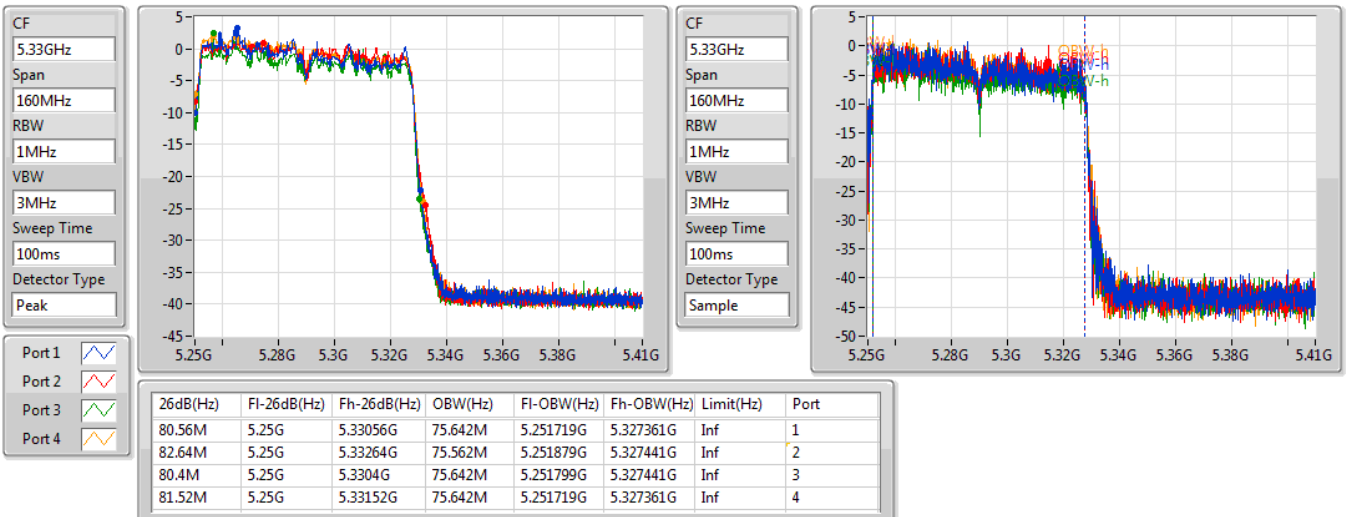


802.11ac VHT160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

10/05/2019

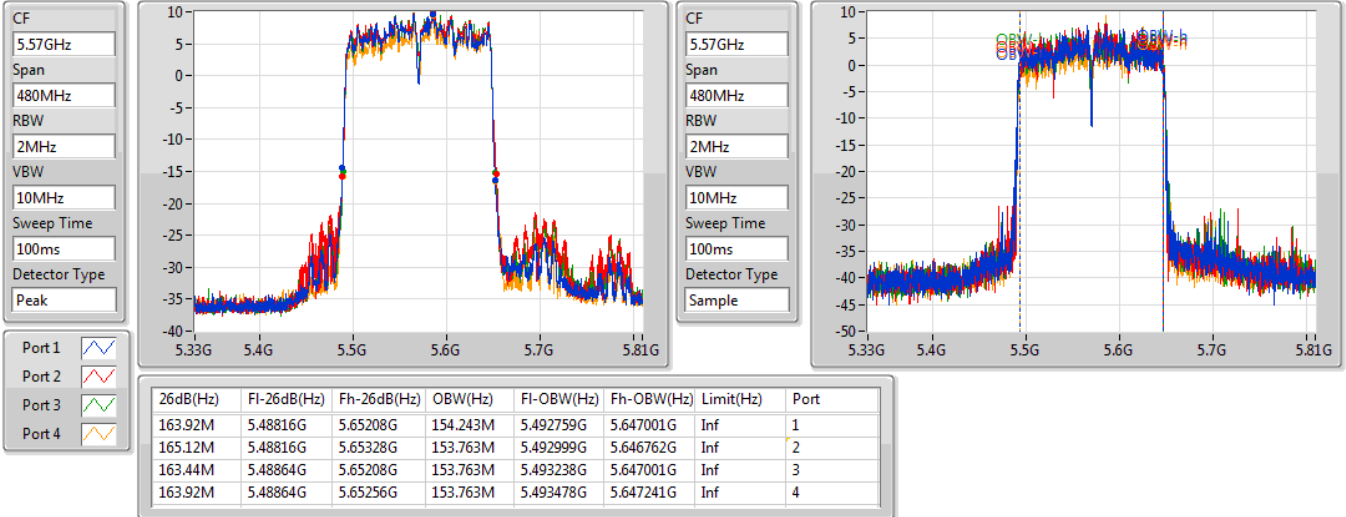

802.11ac VHT160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

10/05/2019

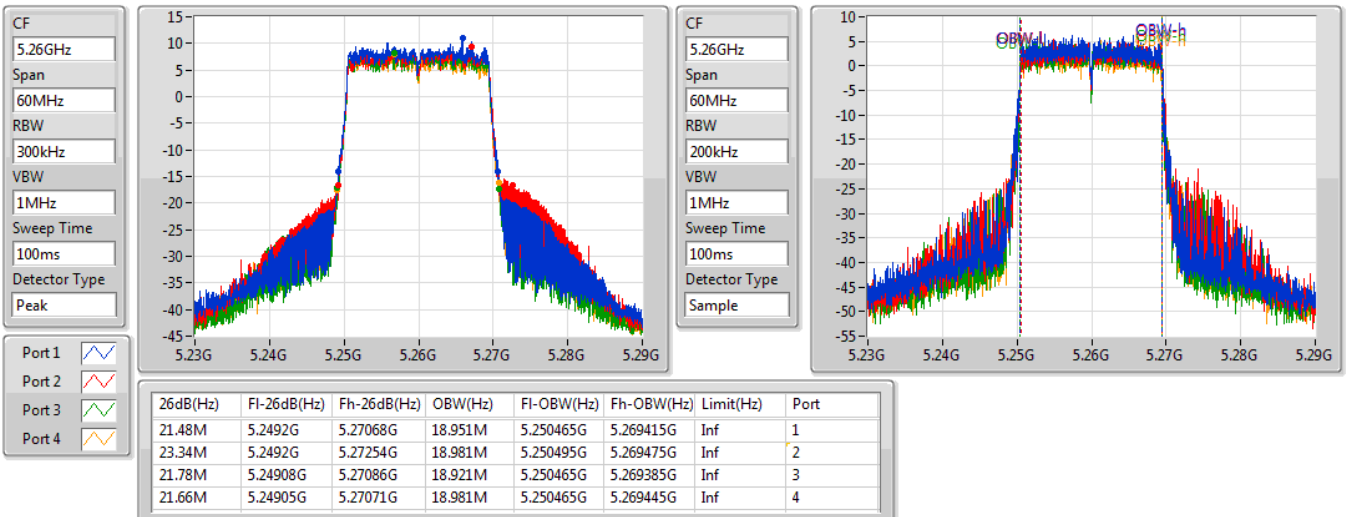


802.11ac VHT160_Nss1,(MCS0)_4TX
EBW
5570MHz

10/05/2019

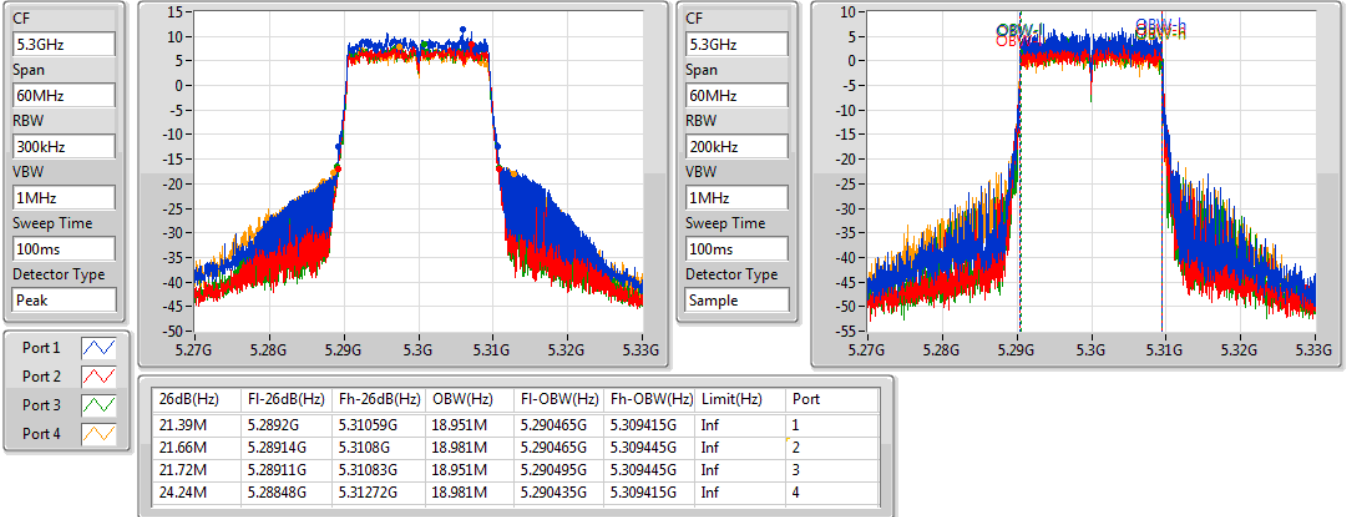

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5260MHz

10/05/2019

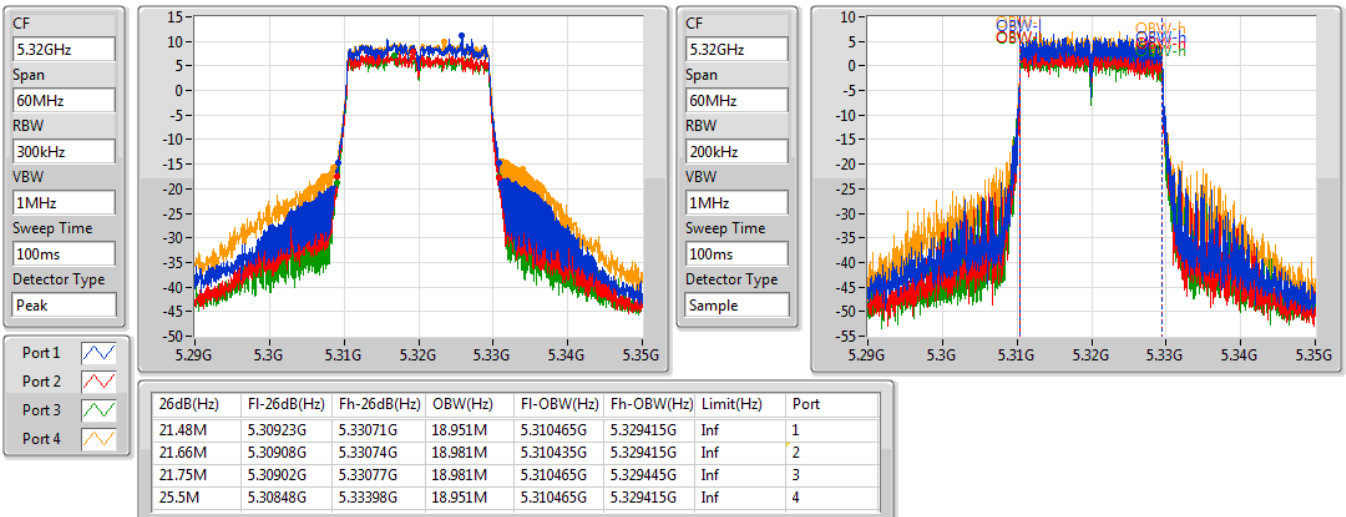


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5300MHz

10/05/2019

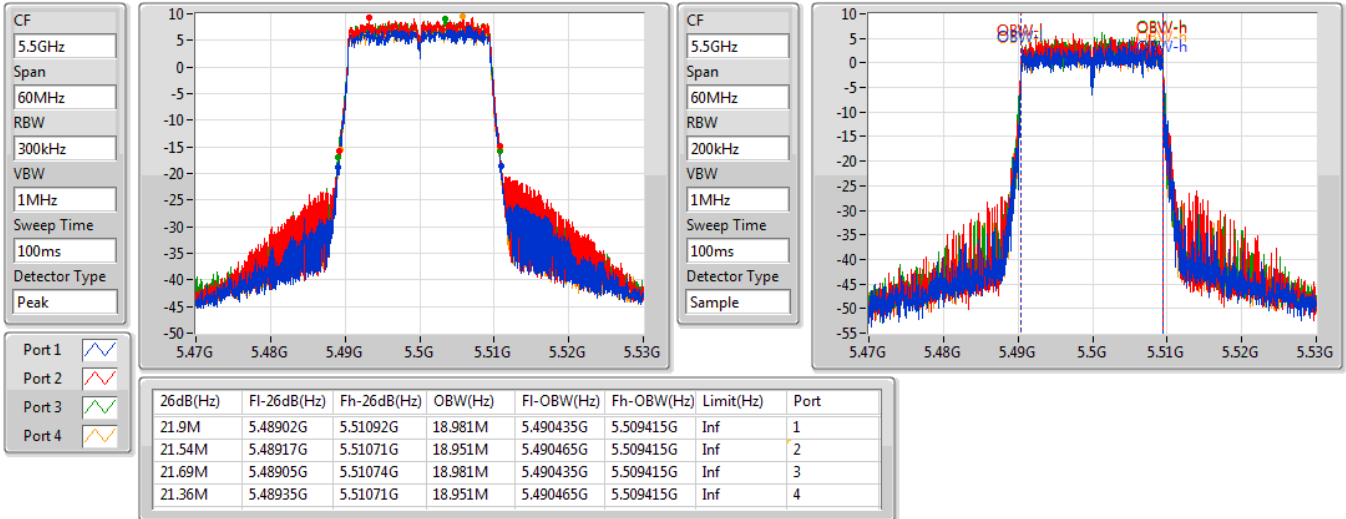

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5320MHz

10/05/2019

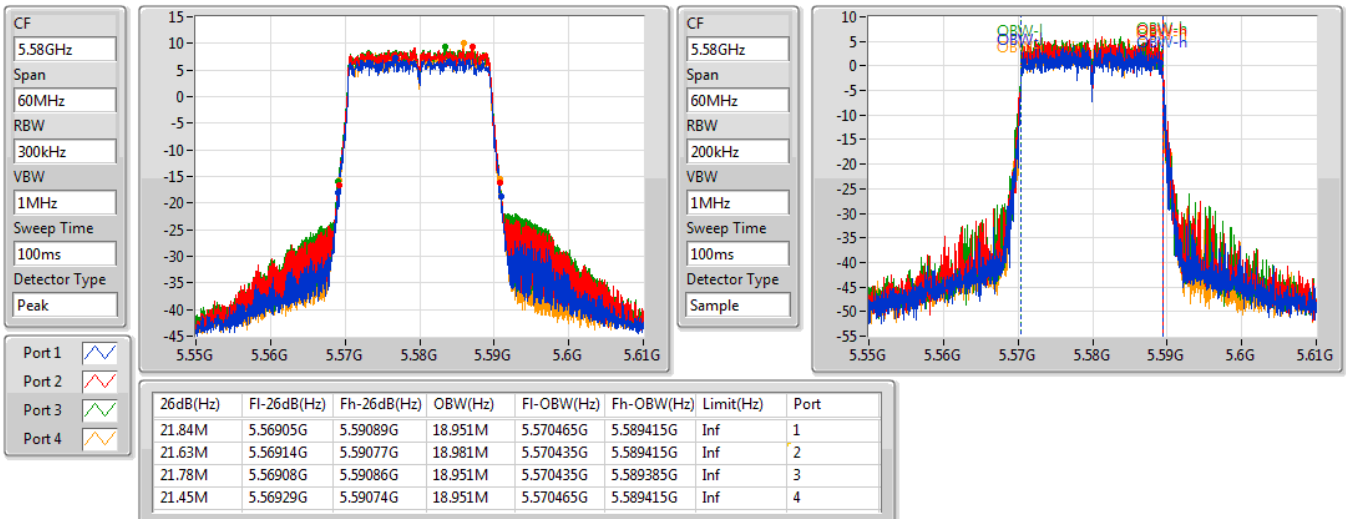


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5500MHz

10/05/2019

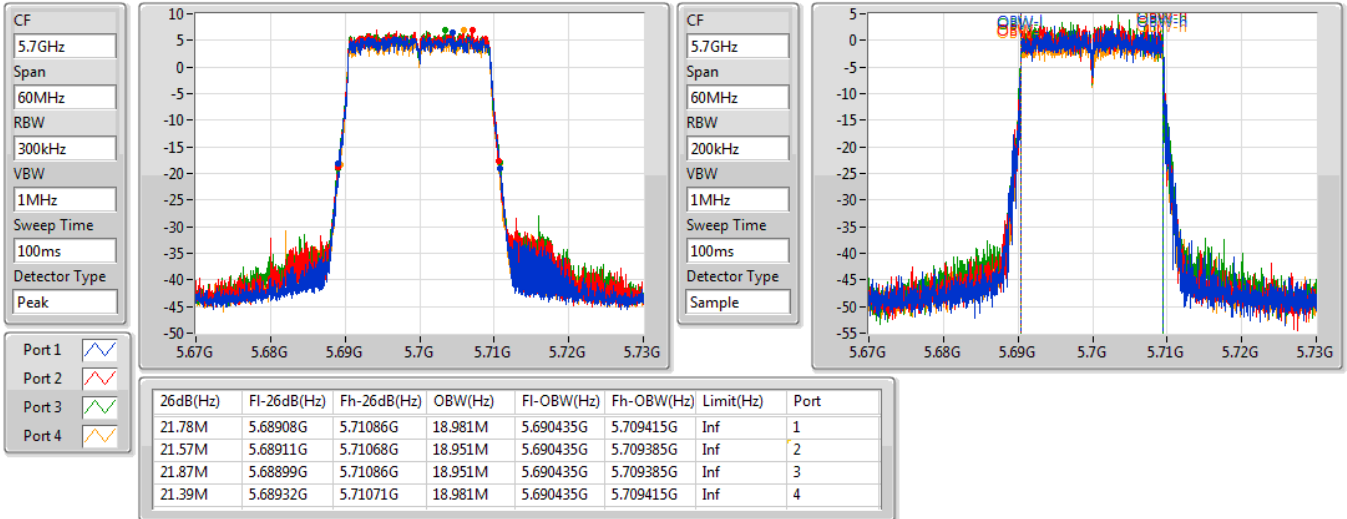

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5580MHz

10/05/2019

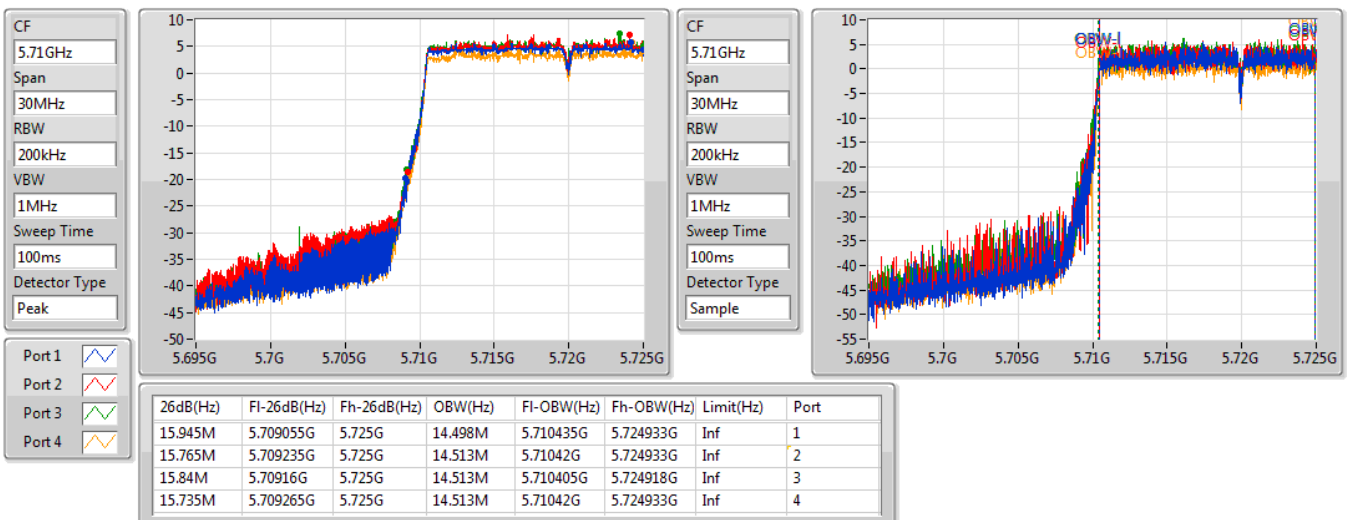


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5700MHz

10/05/2019

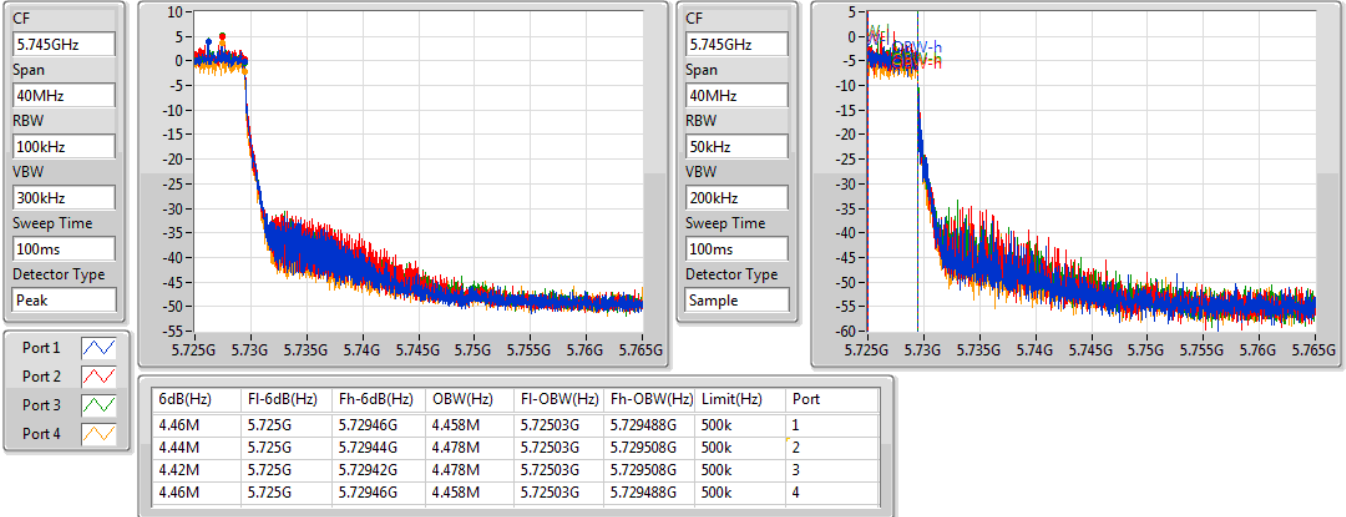

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

10/05/2019

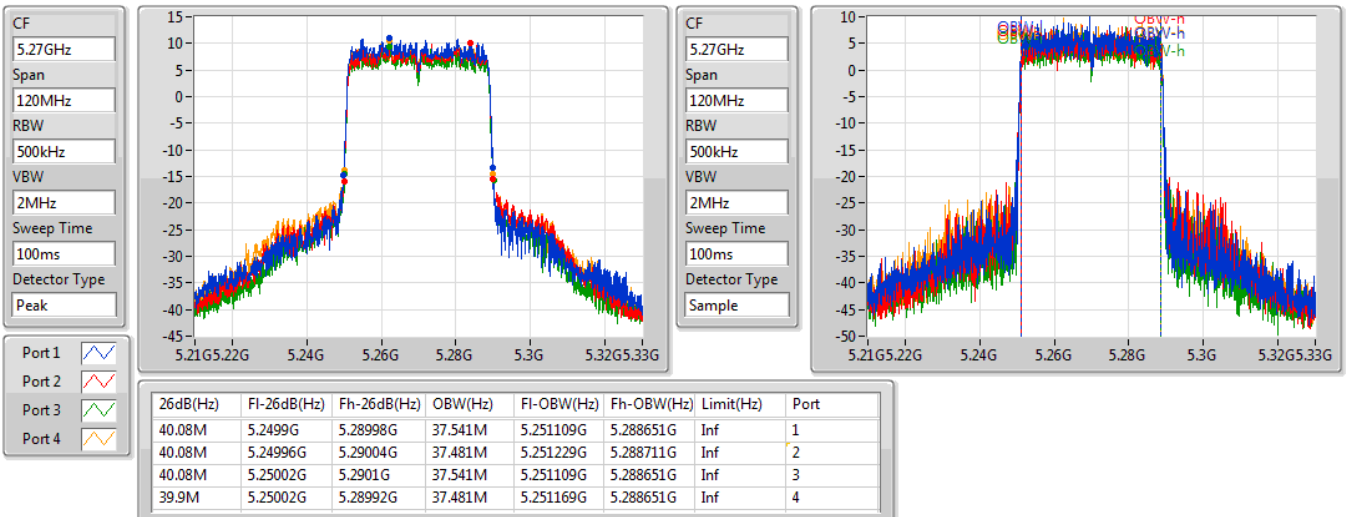


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

10/05/2019

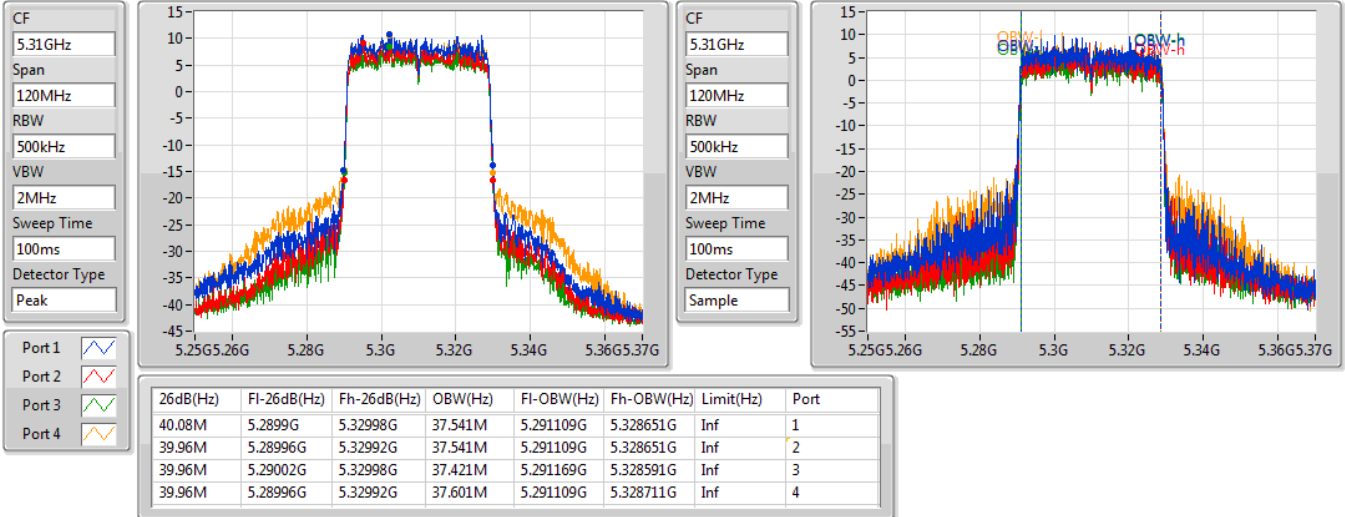

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5270MHz

10/05/2019

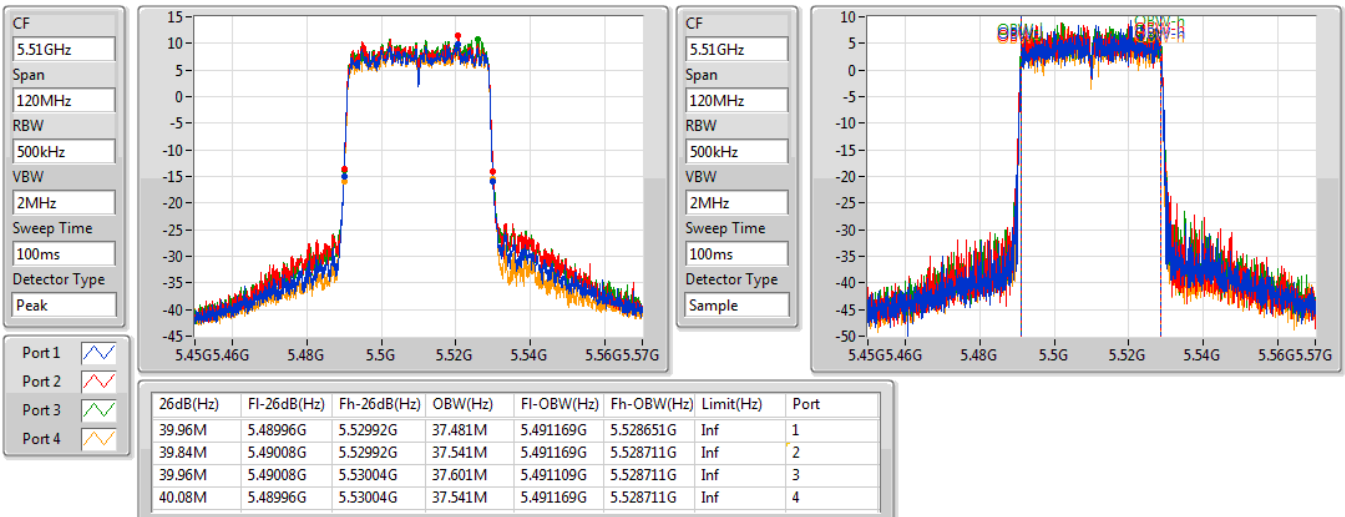


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5310MHz

10/05/2019


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5510MHz

10/05/2019

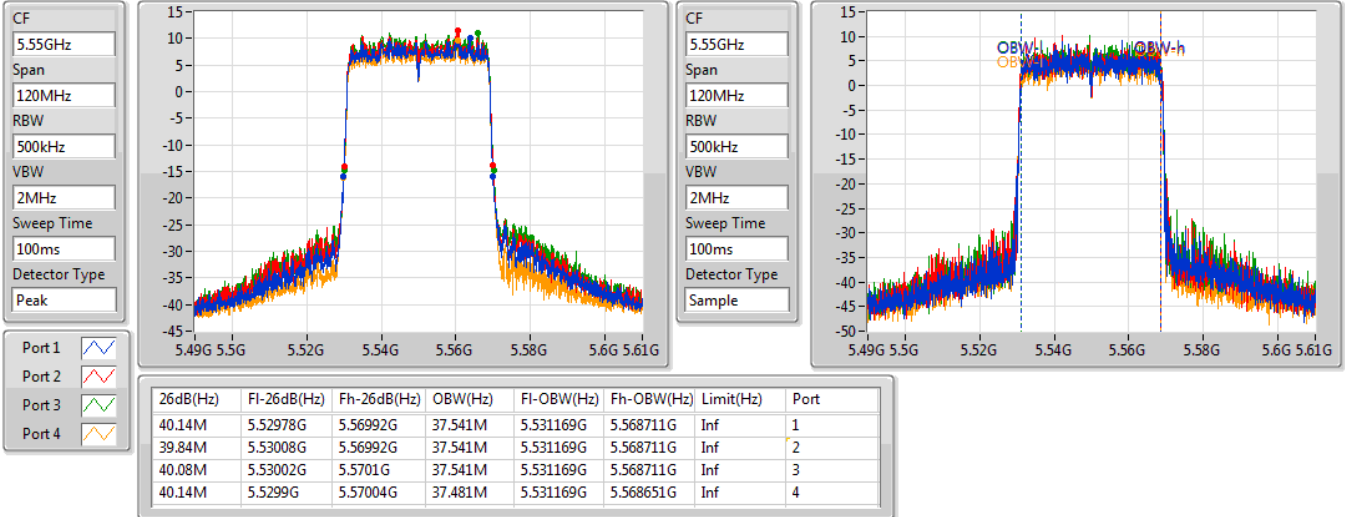


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

10/05/2019

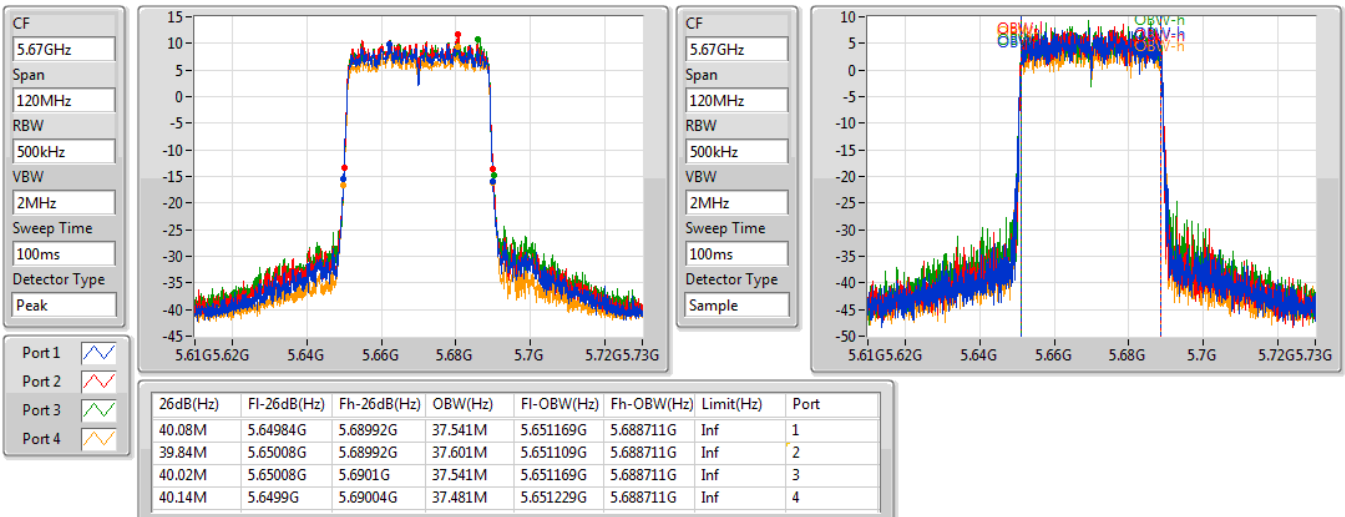


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

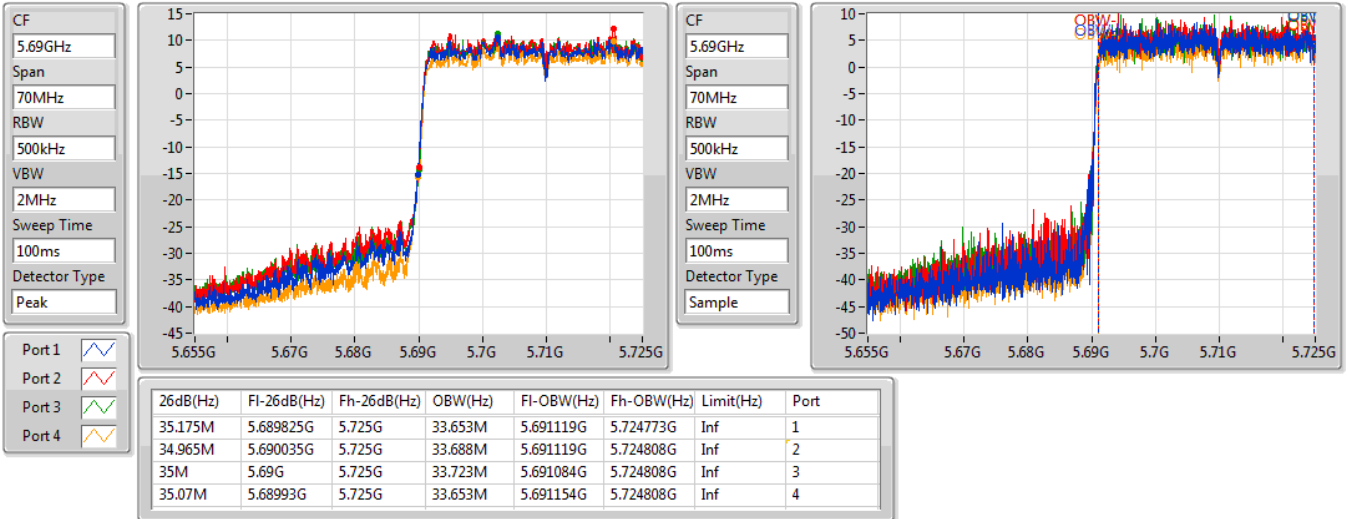
5670MHz

10/05/2019

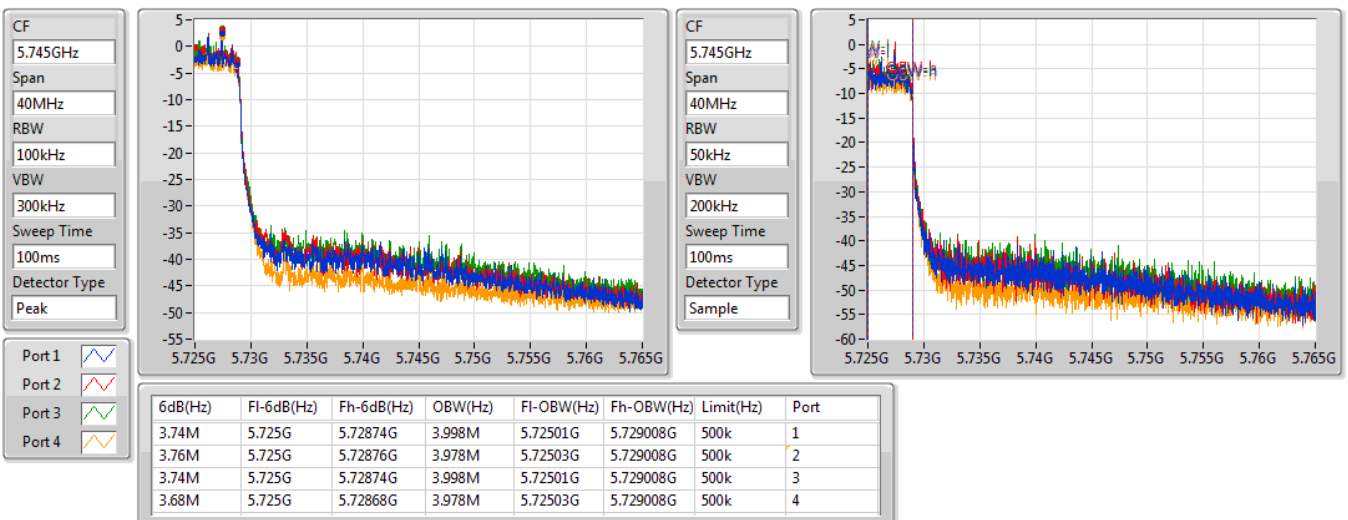


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

10/05/2019


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

10/05/2019

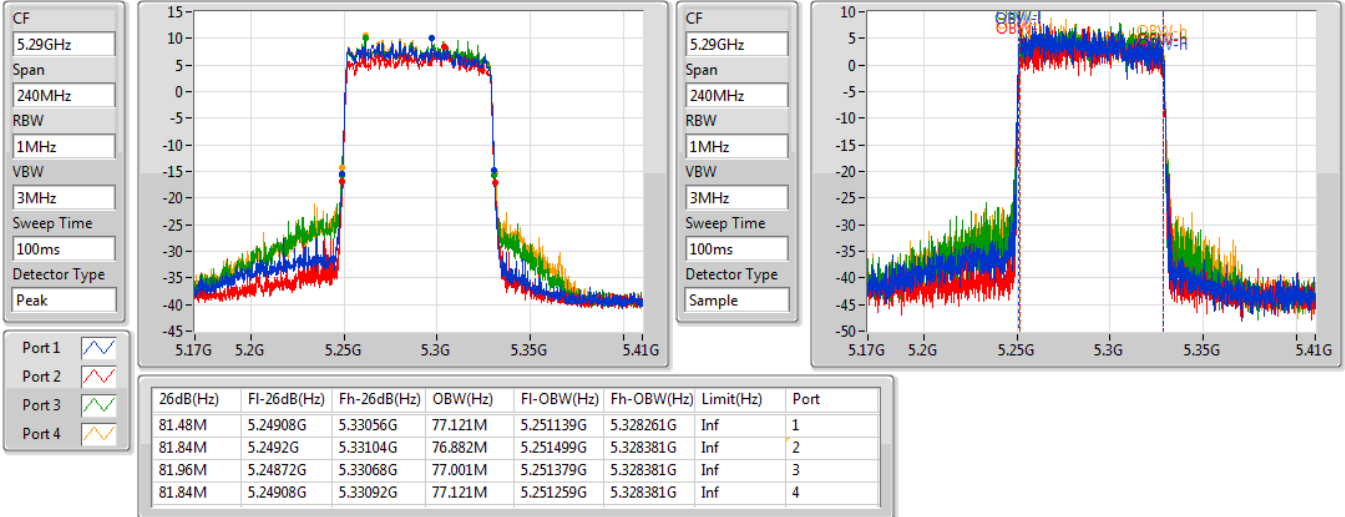


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

10/05/2019

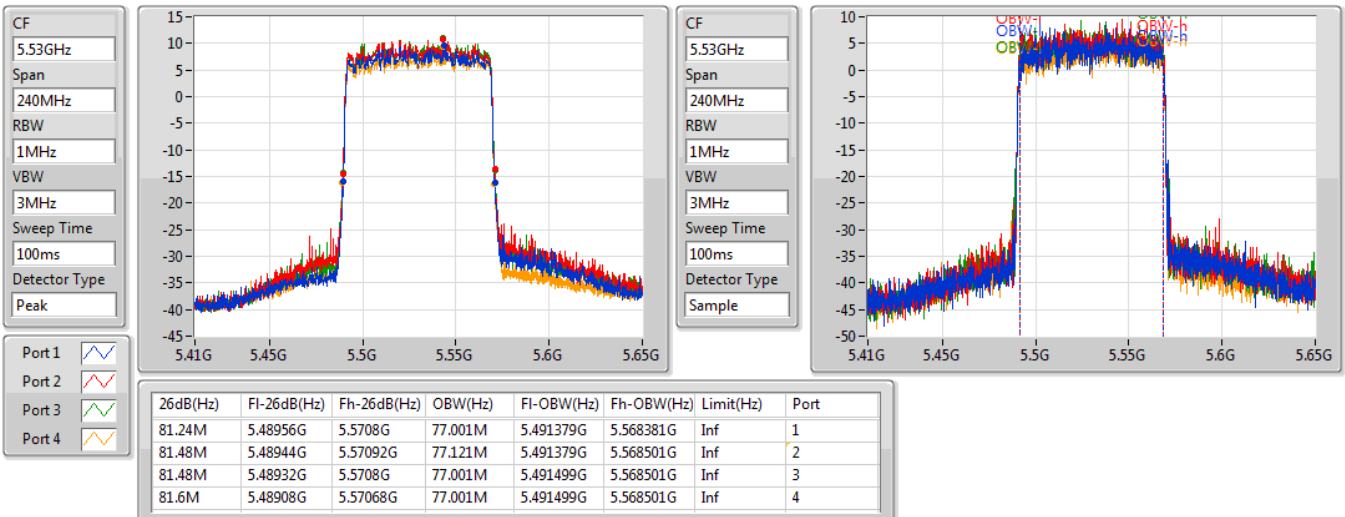


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

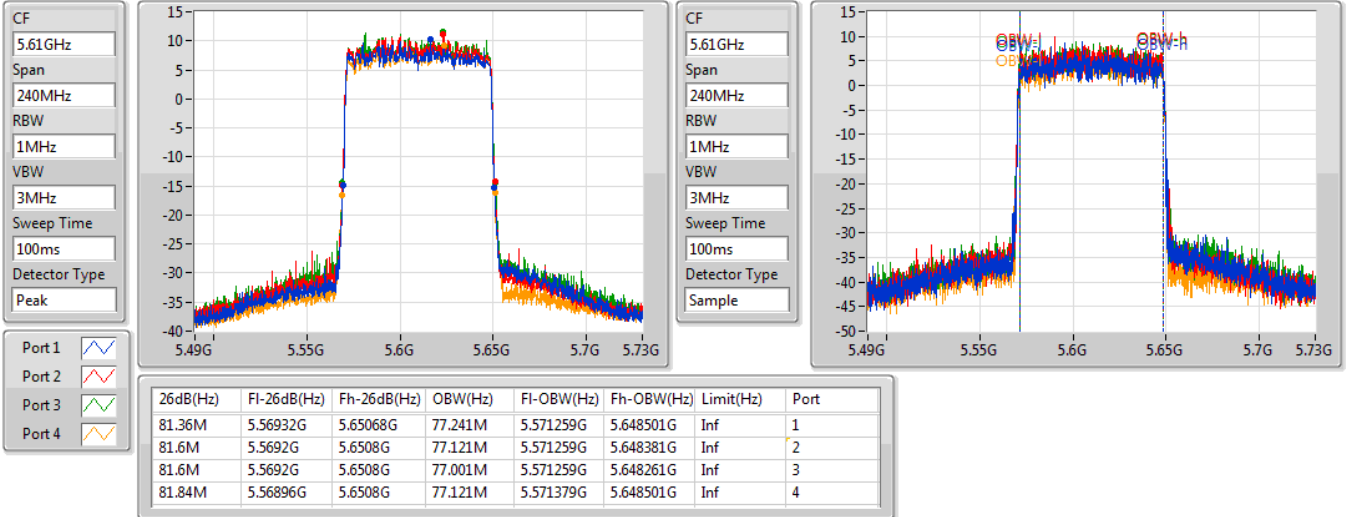
5530MHz

10/05/2019

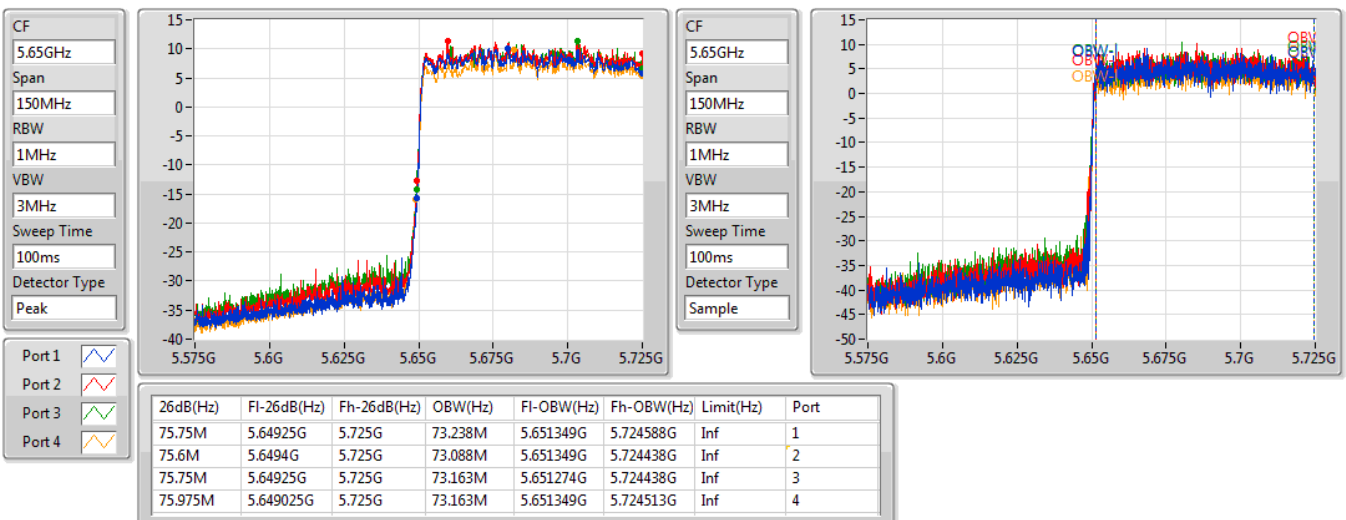


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5610MHz

10/05/2019

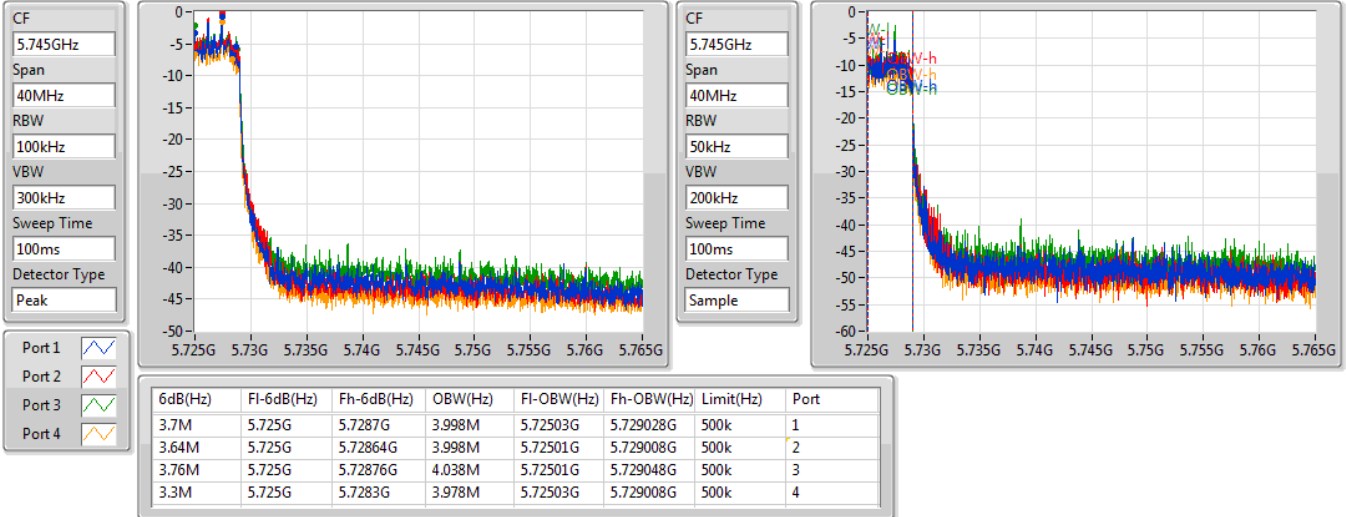

802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

10/05/2019

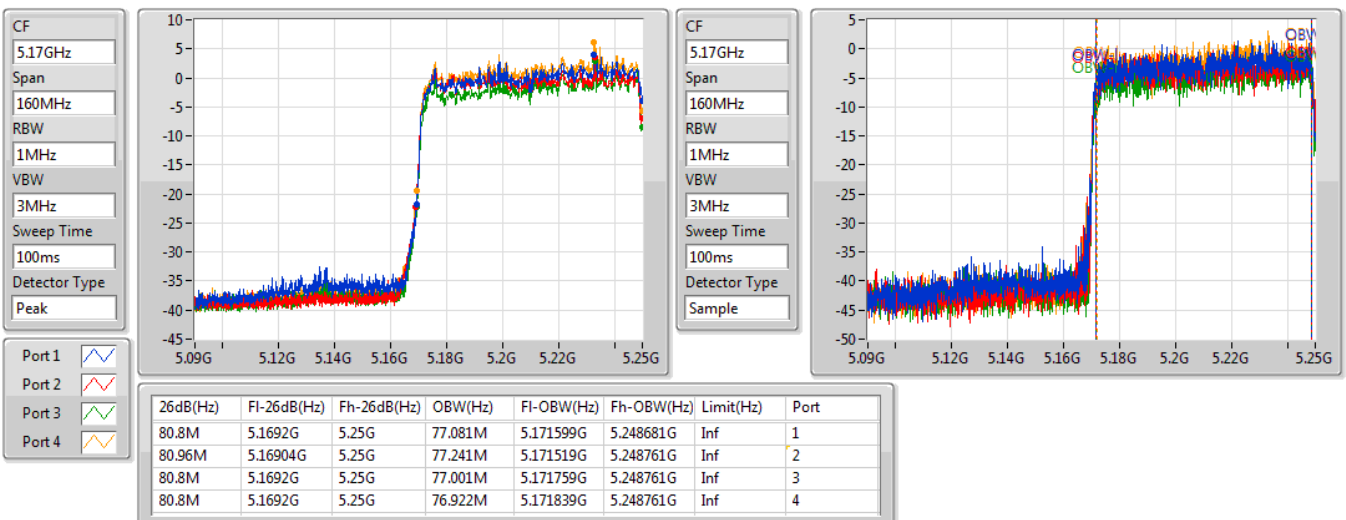


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

10/05/2019


802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

10/05/2019

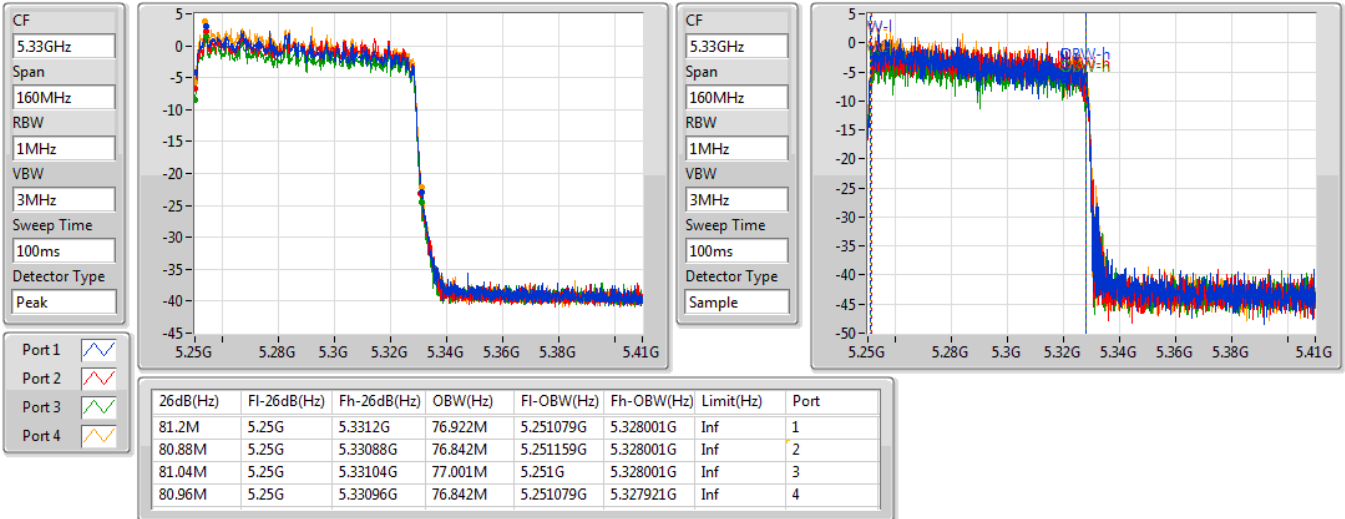


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

10/05/2019

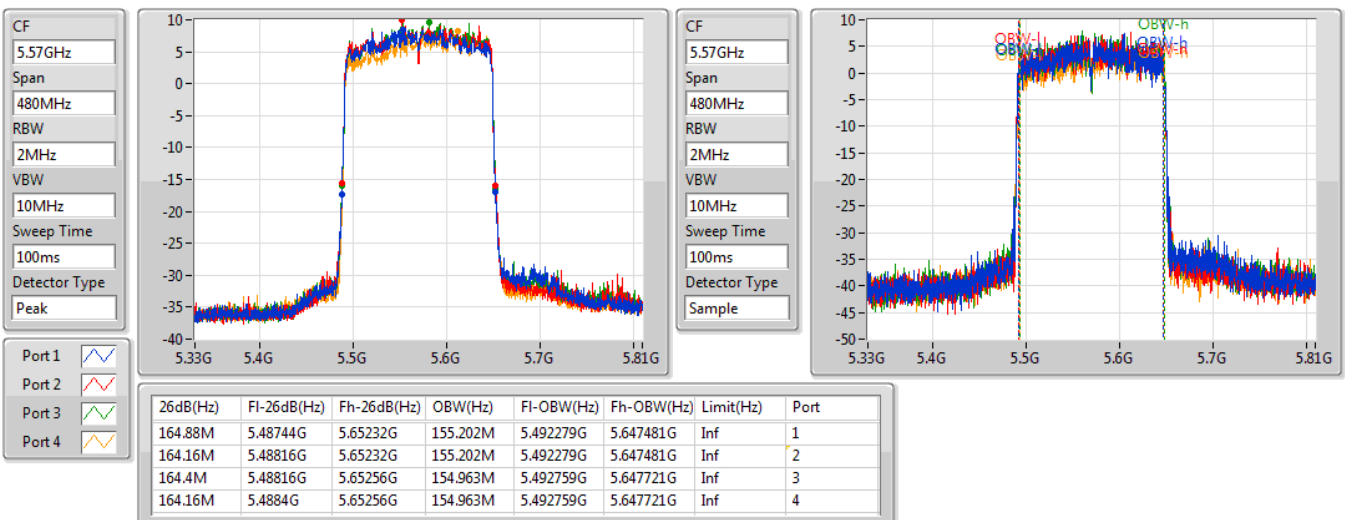


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

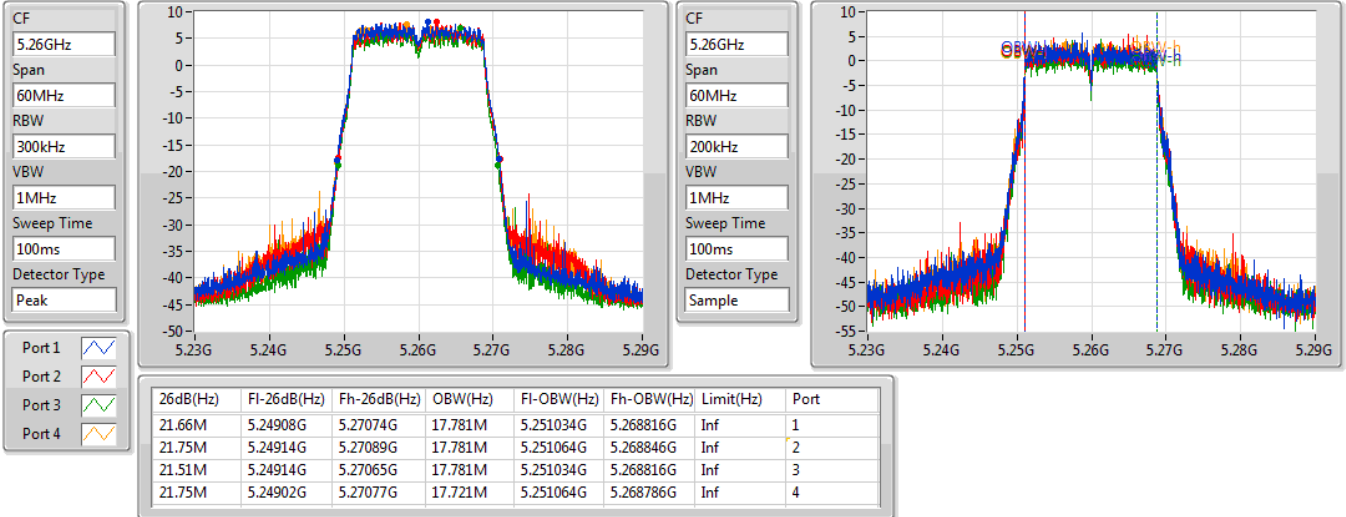
5570MHz

10/05/2019

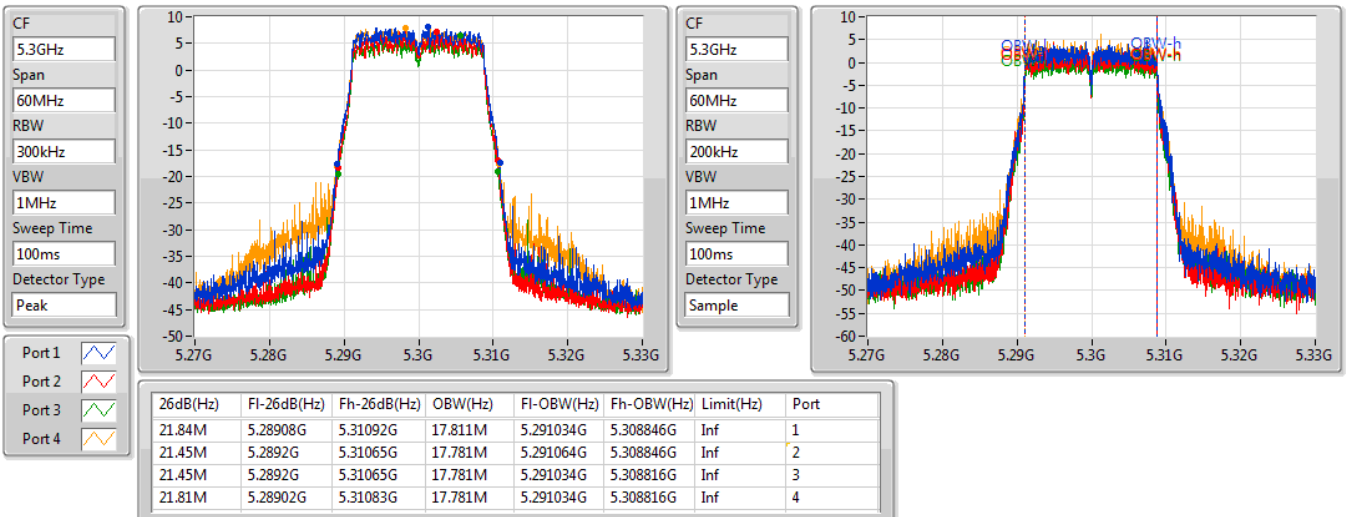


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5260MHz

10/05/2019

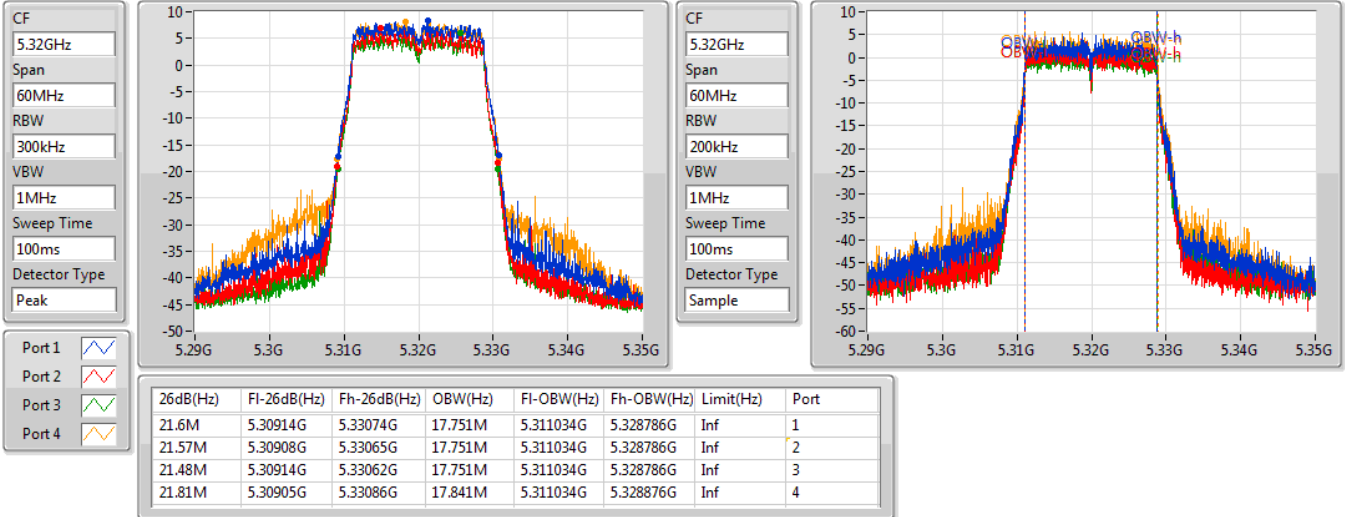

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5300MHz

10/05/2019

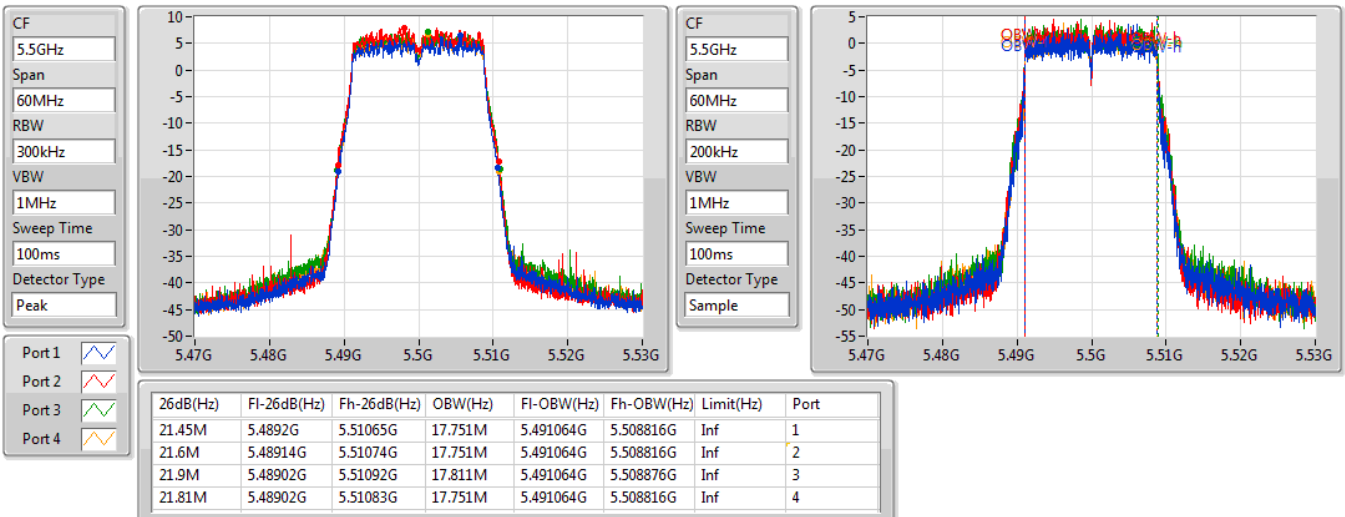


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5320MHz

10/05/2019

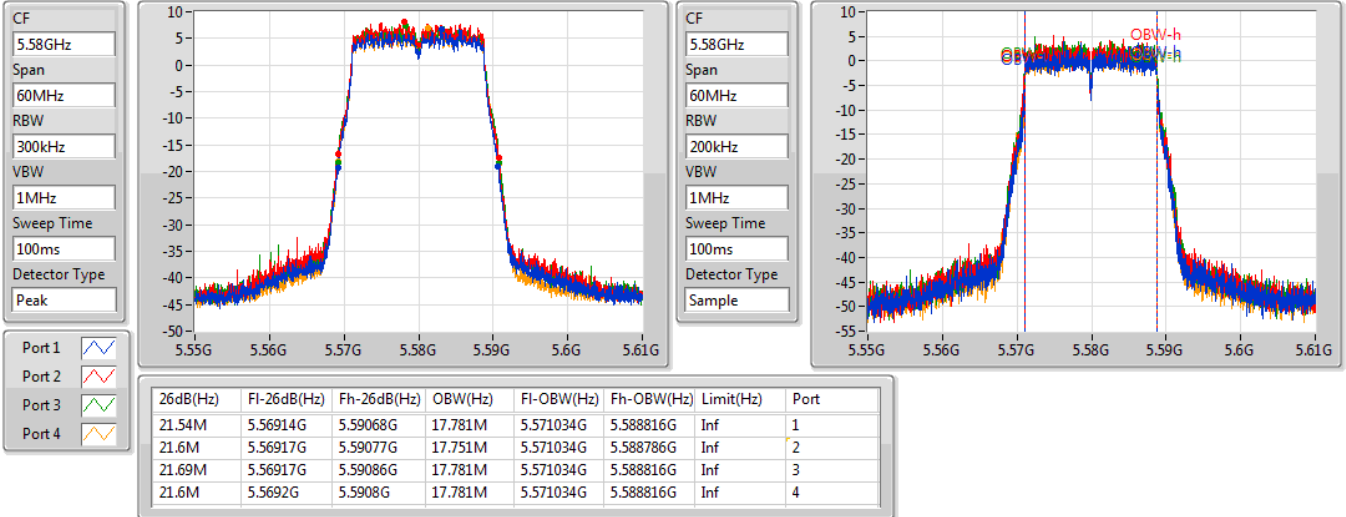

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5500MHz

10/05/2019

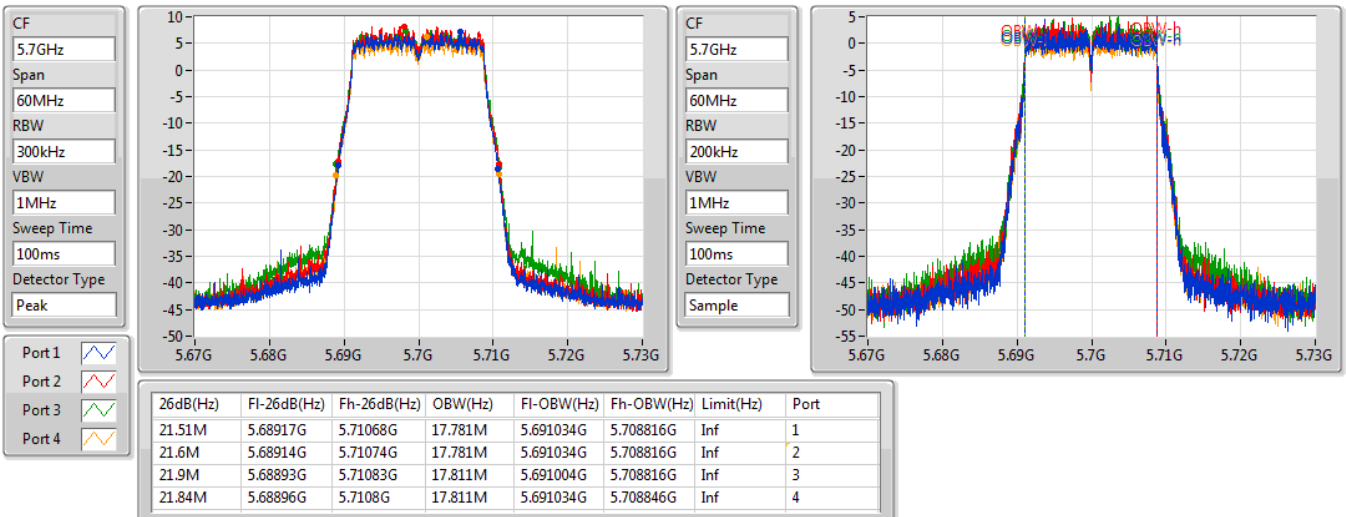


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5580MHz

10/05/2019

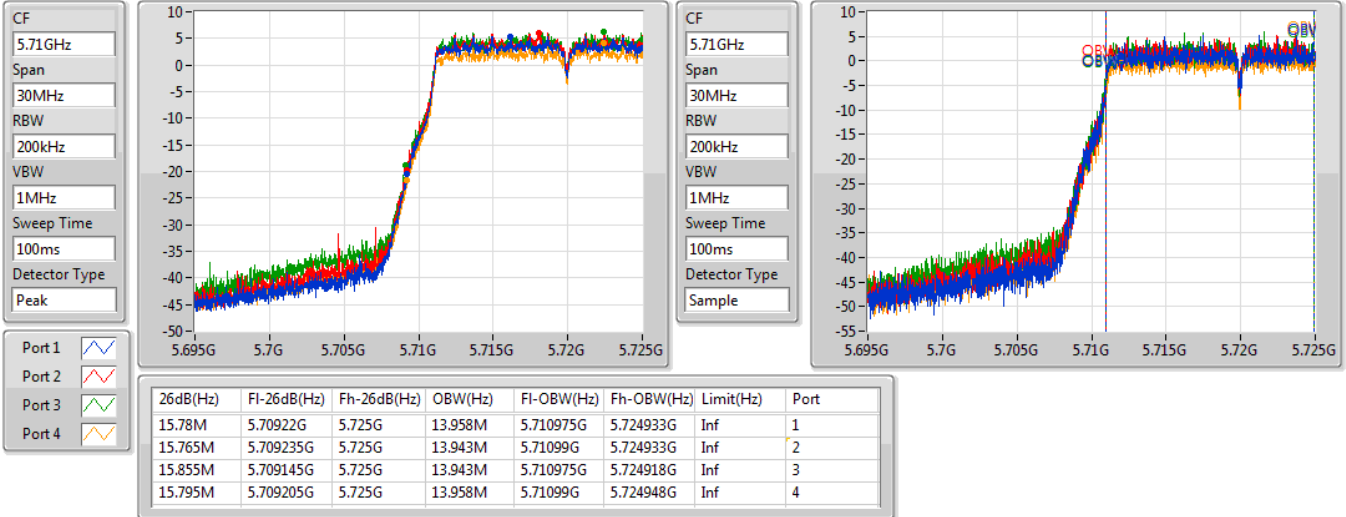

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5700MHz

10/05/2019

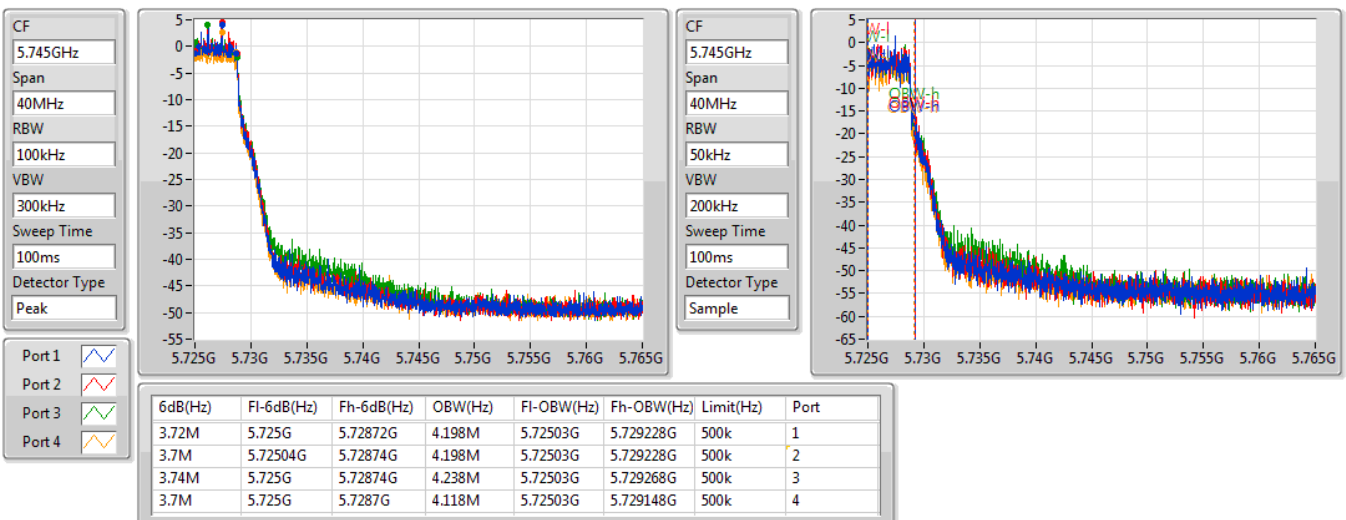


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

10/05/2019

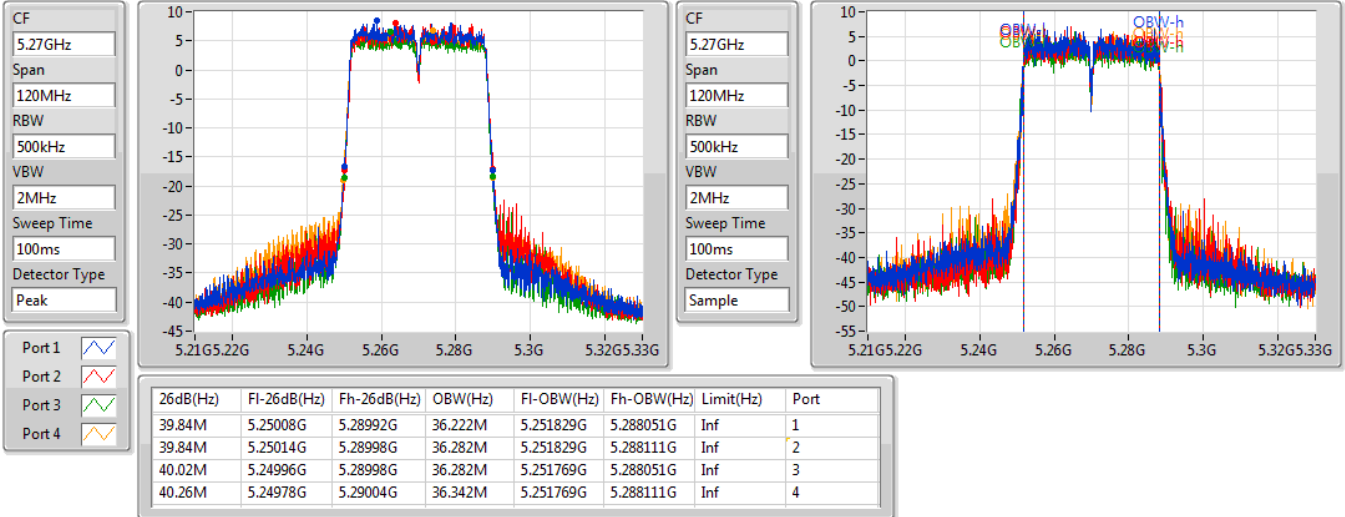

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

10/05/2019

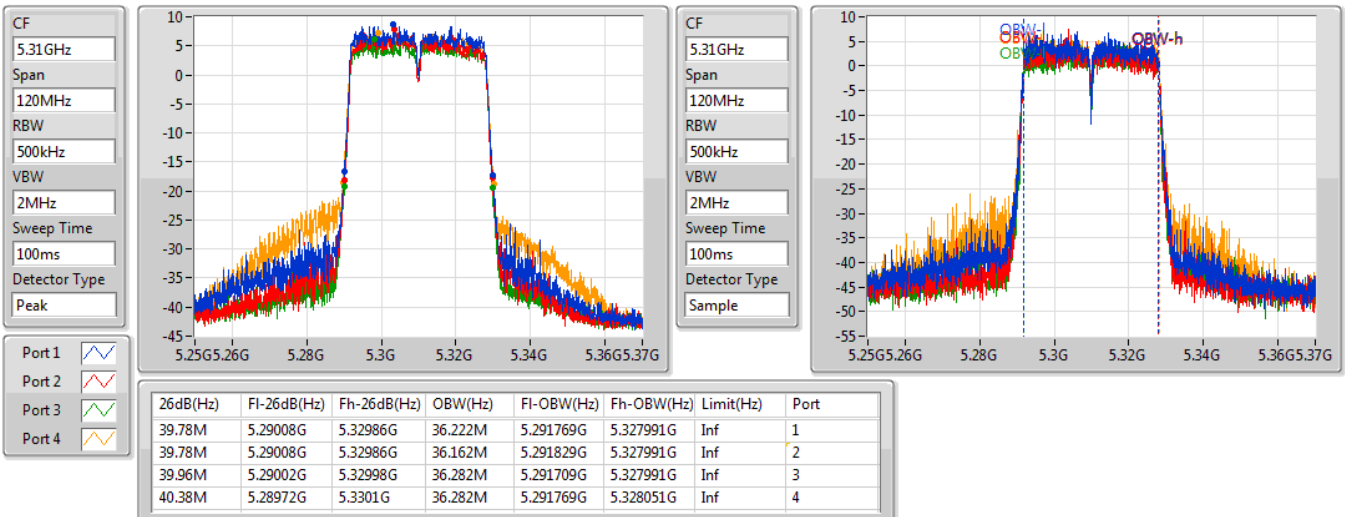


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5270MHz

10/05/2019

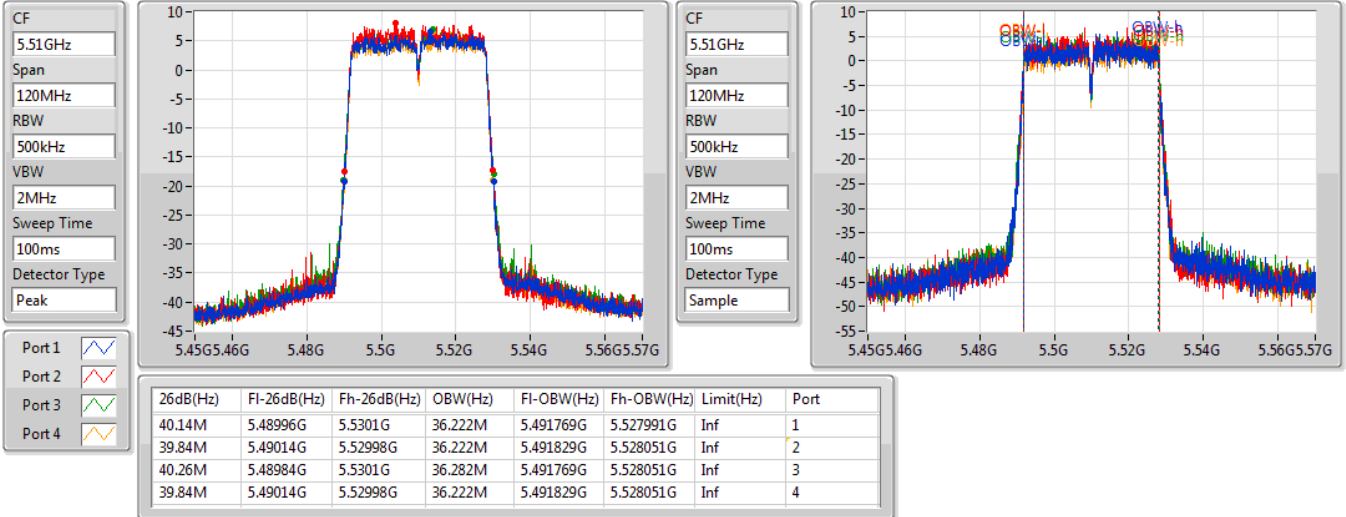

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5310MHz

10/05/2019

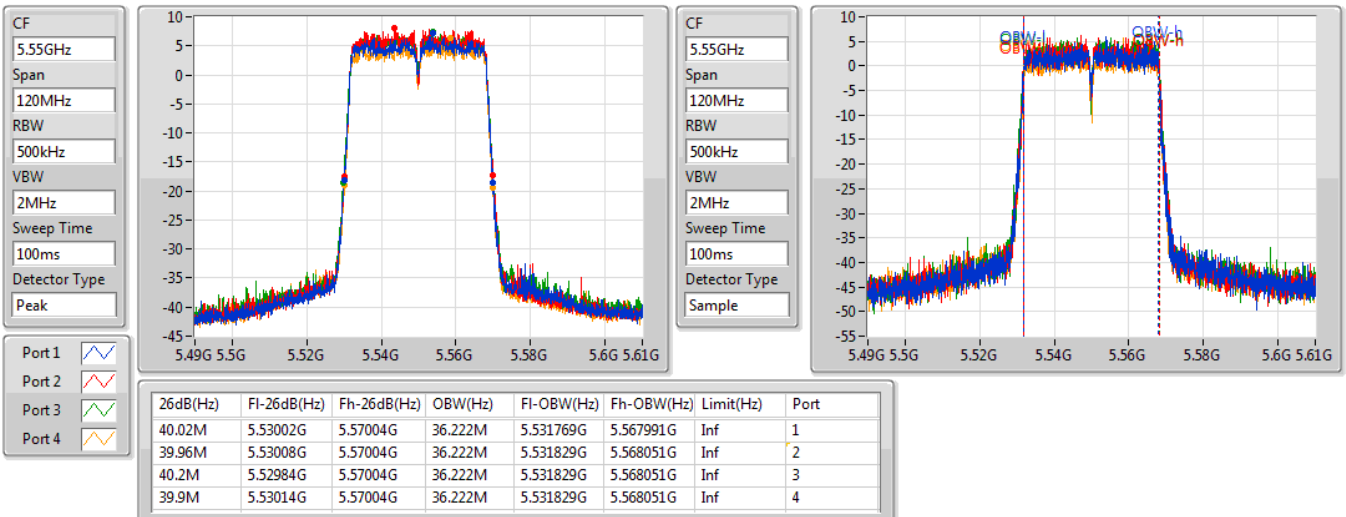


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5510MHz

10/05/2019

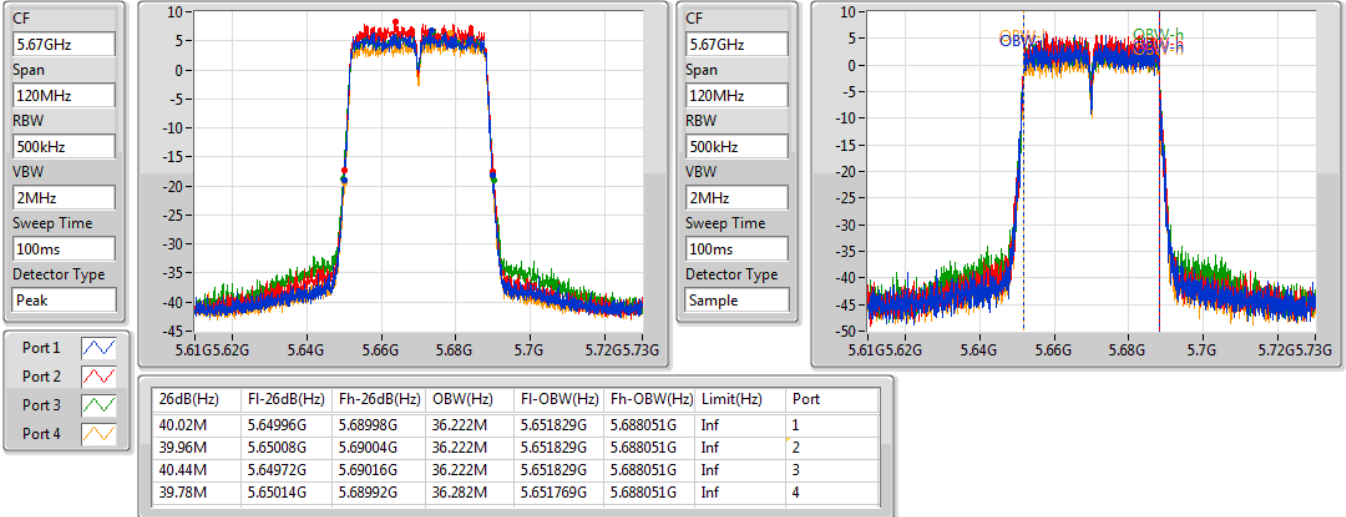

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5550MHz

10/05/2019

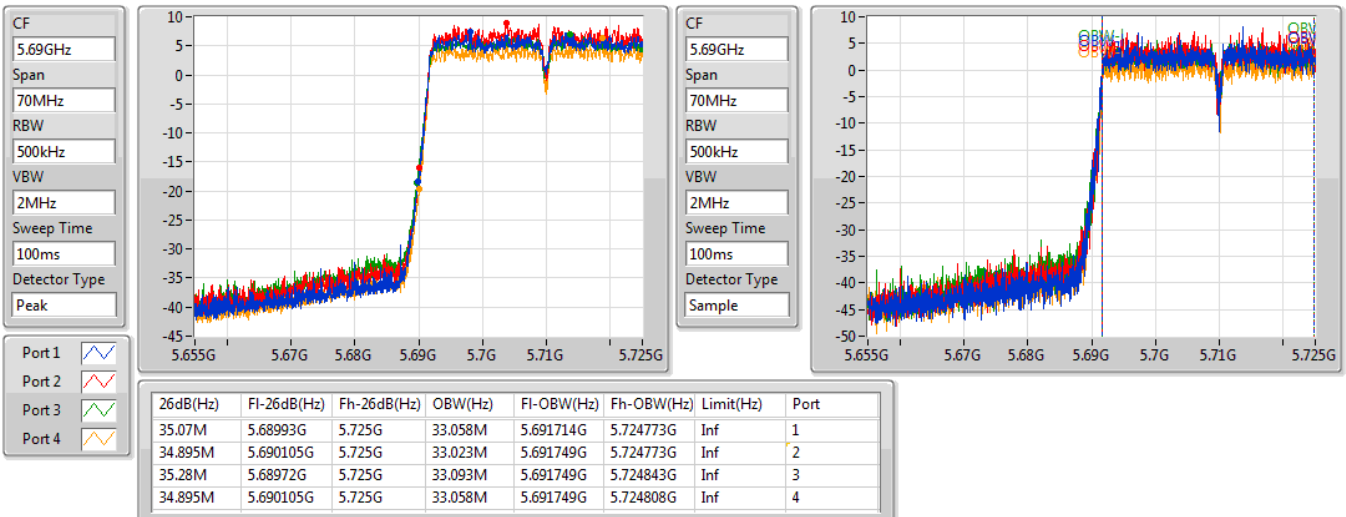


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5670MHz

10/05/2019

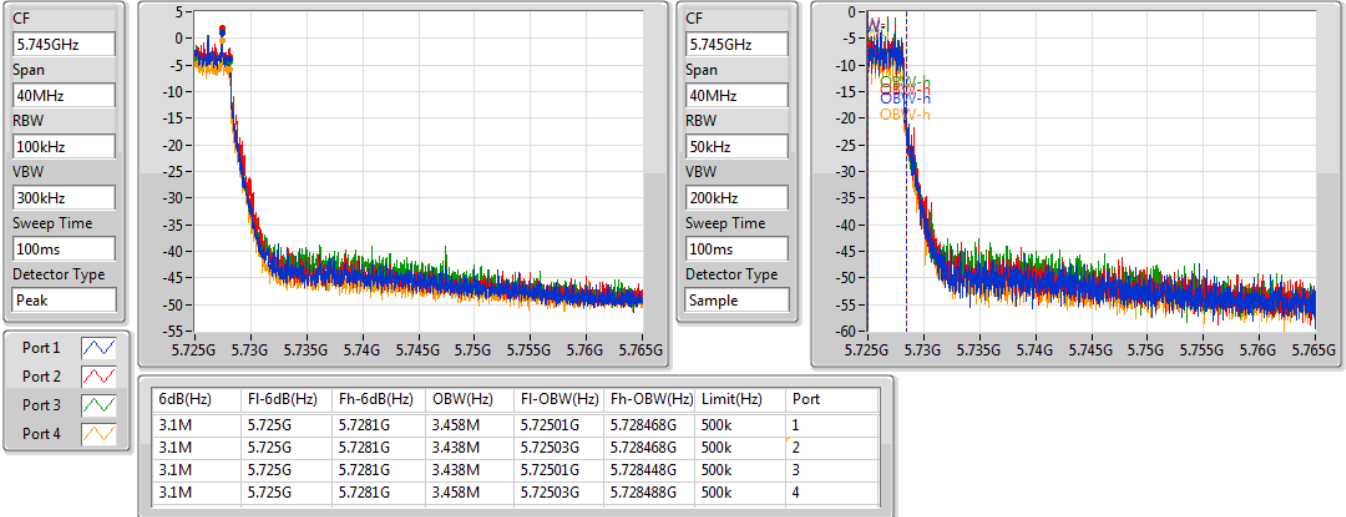

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

10/05/2019

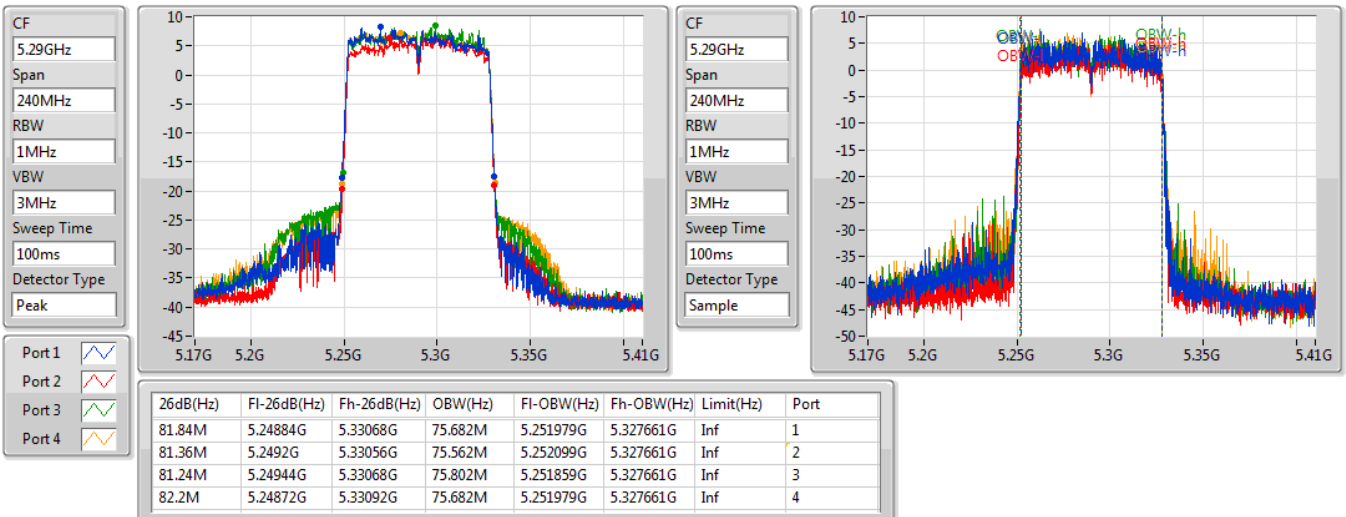


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

10/05/2019

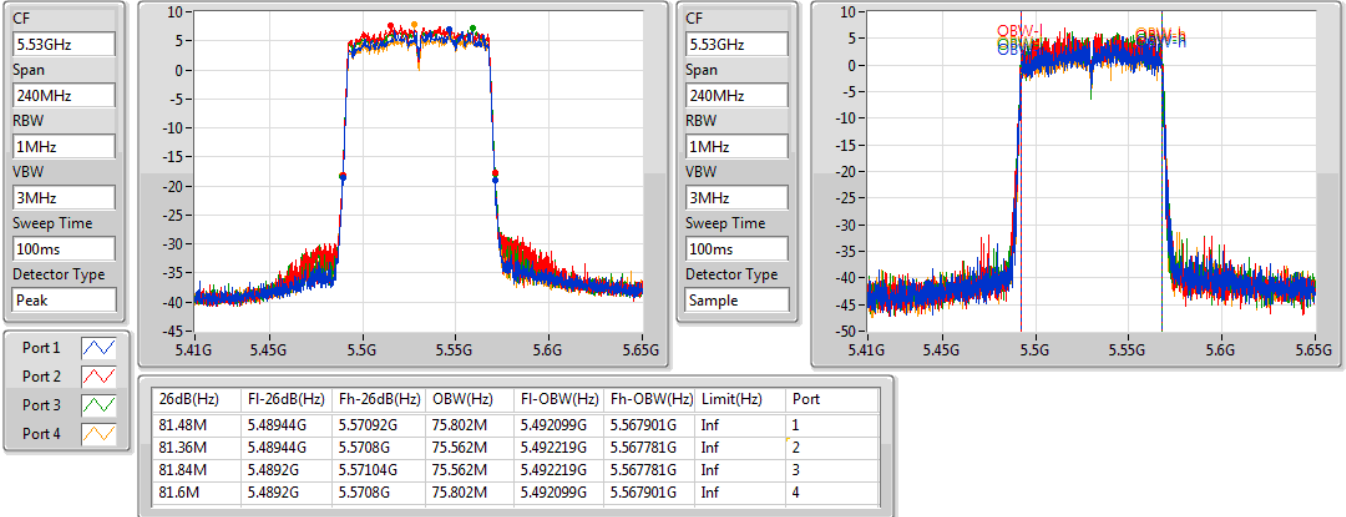

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5290MHz

10/05/2019

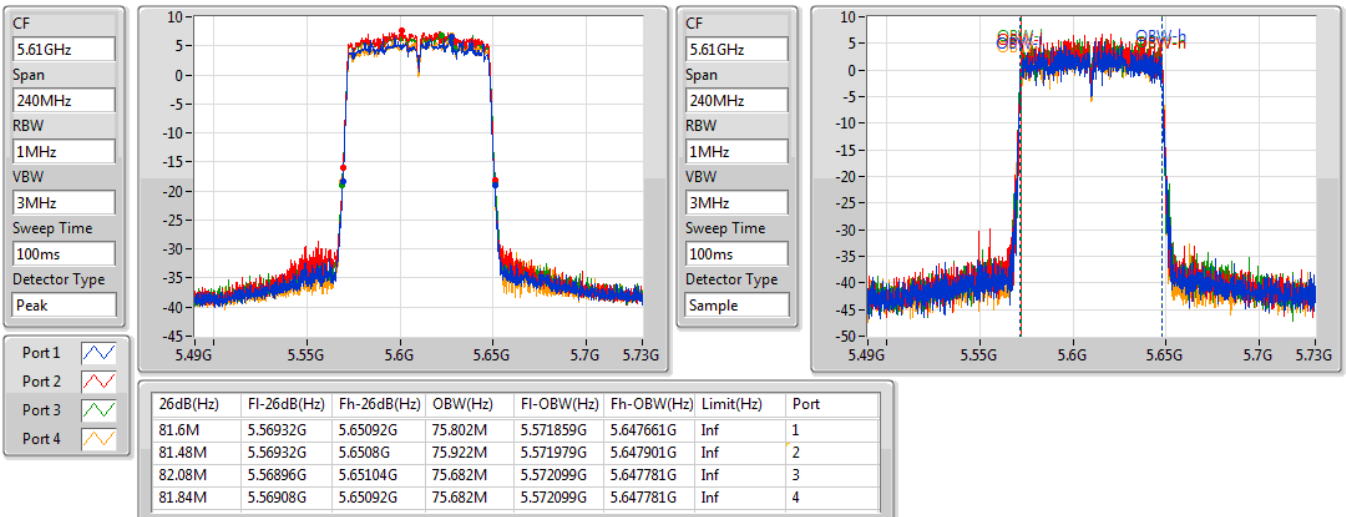


802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5530MHz

10/05/2019

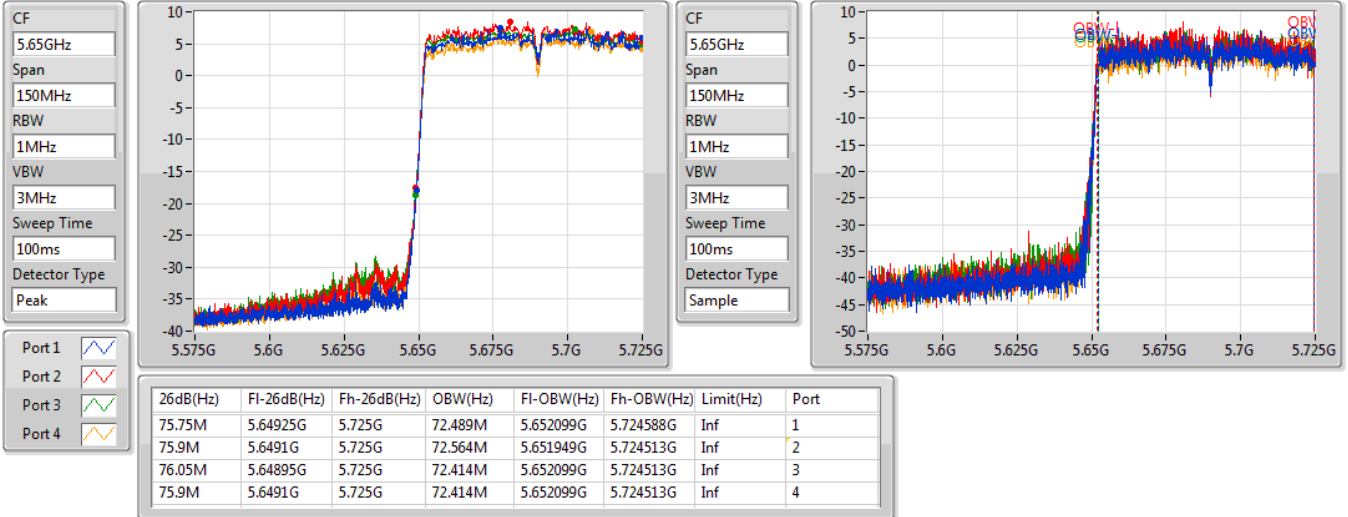

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5610MHz

10/05/2019

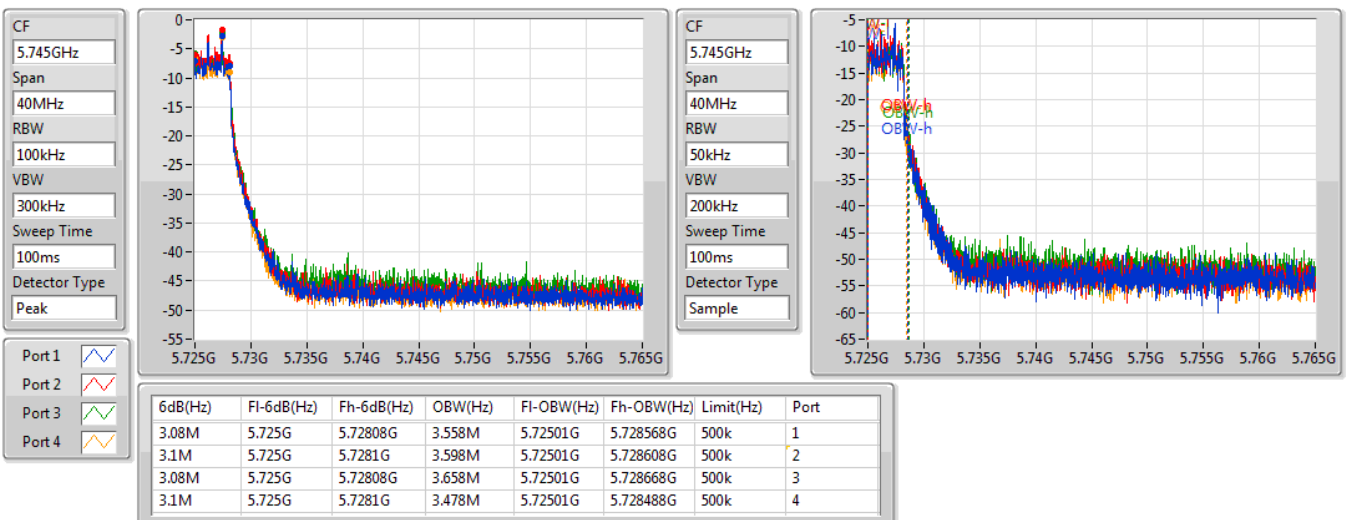


802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

10/05/2019

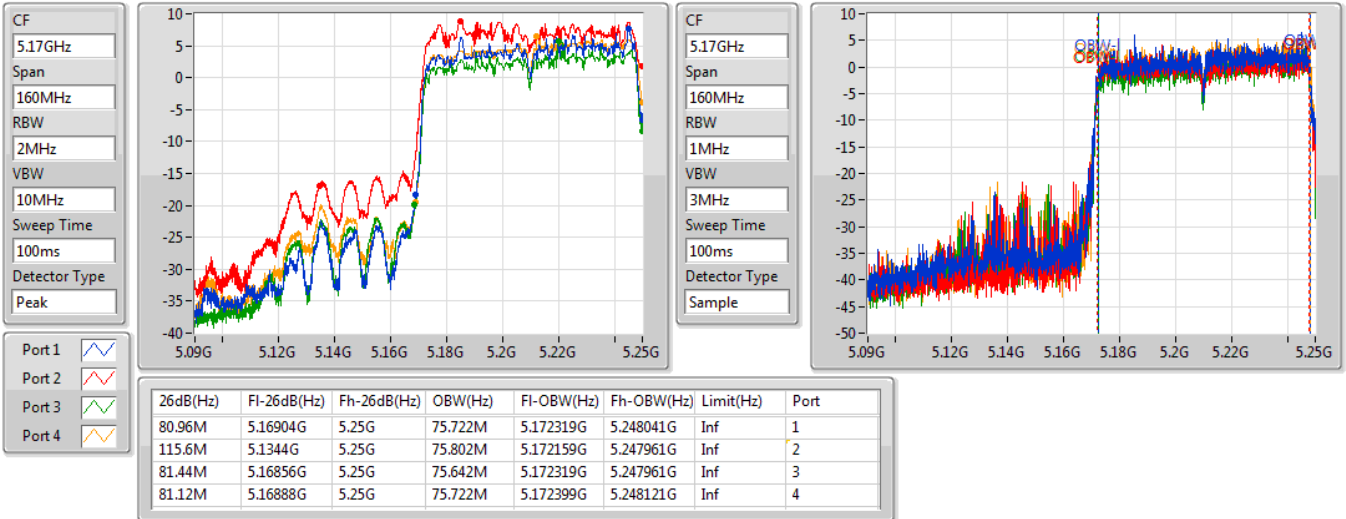

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

10/05/2019

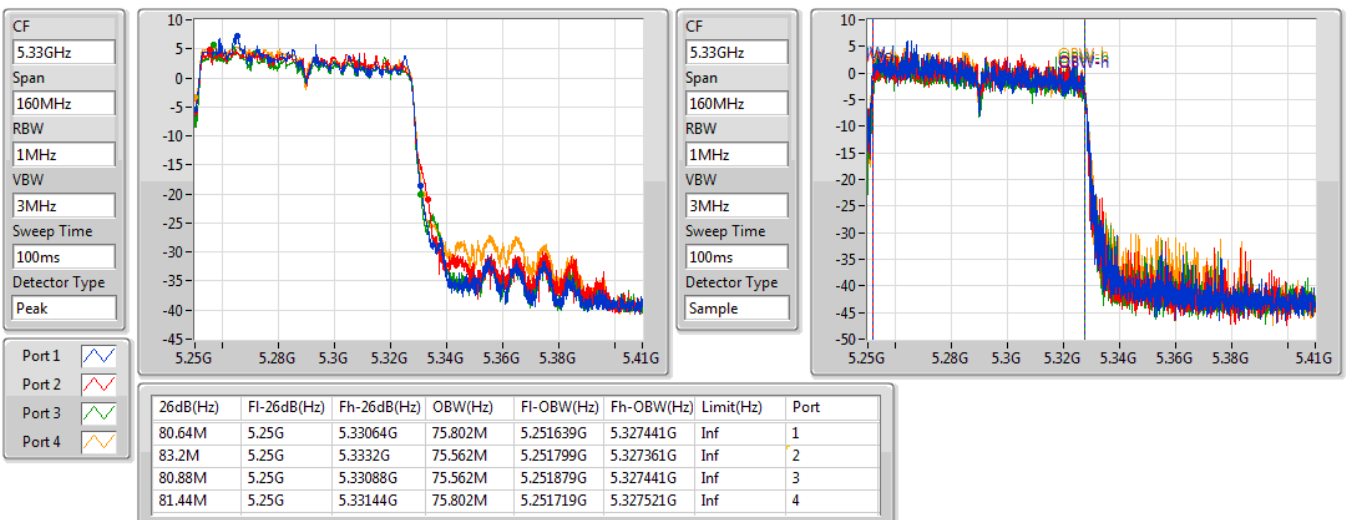


802.11ac VHT160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

10/05/2019


802.11ac VHT160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

10/05/2019

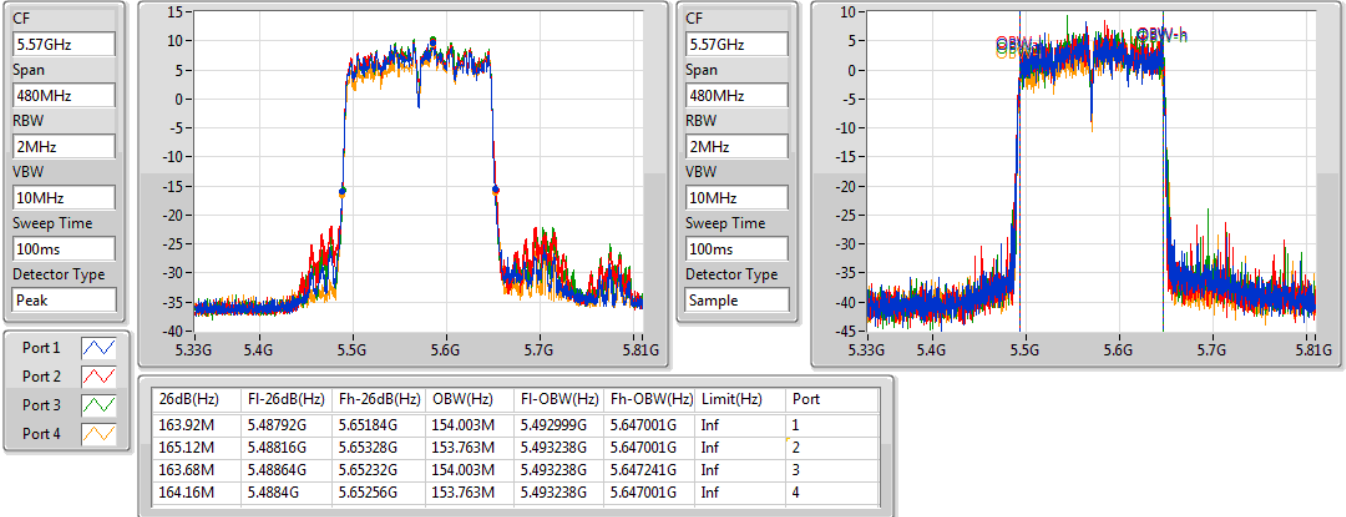


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

10/05/2019

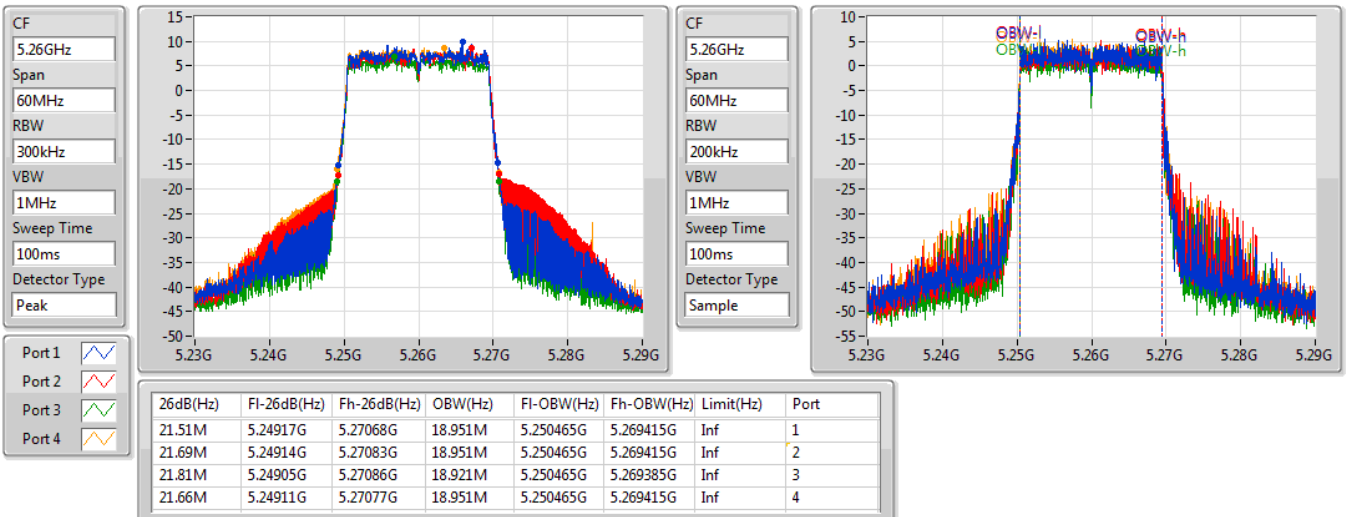


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

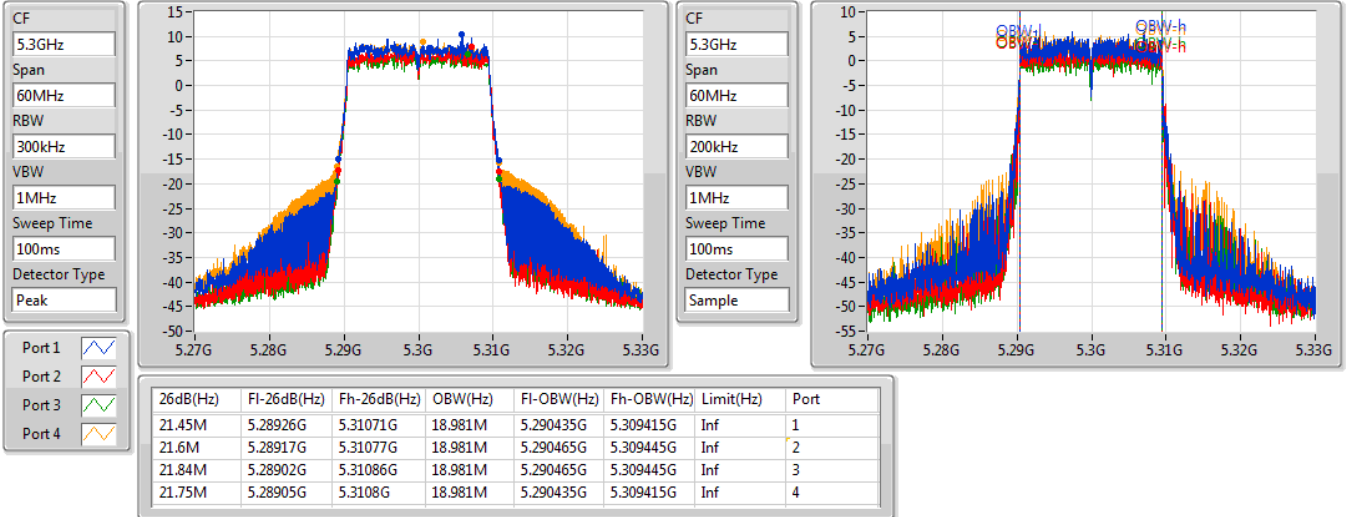
5260MHz

10/05/2019

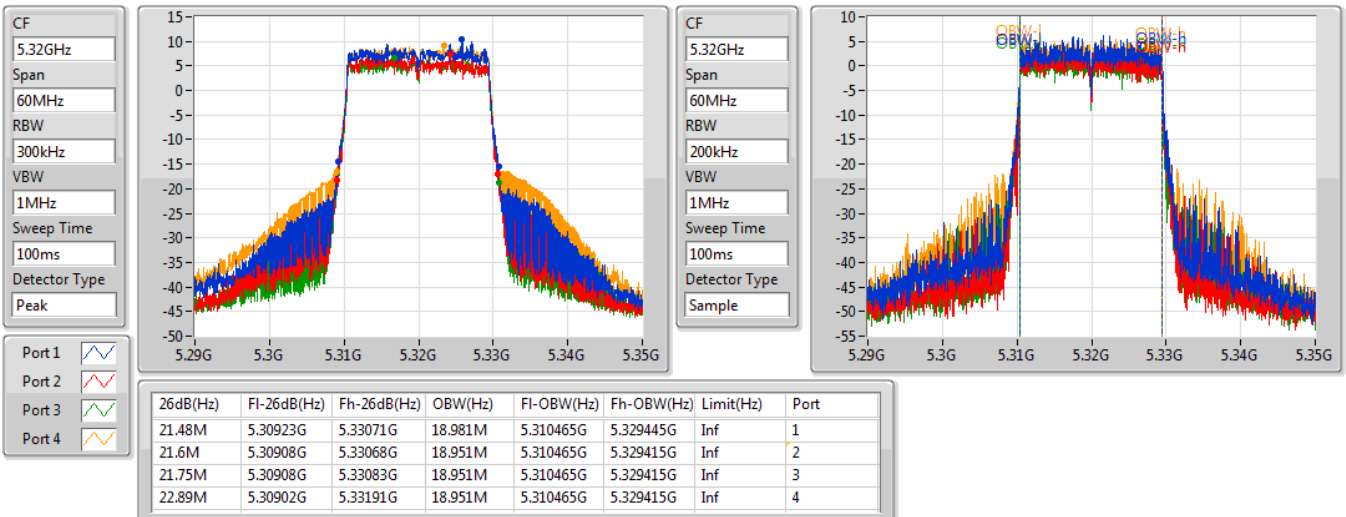


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5300MHz

10/05/2019

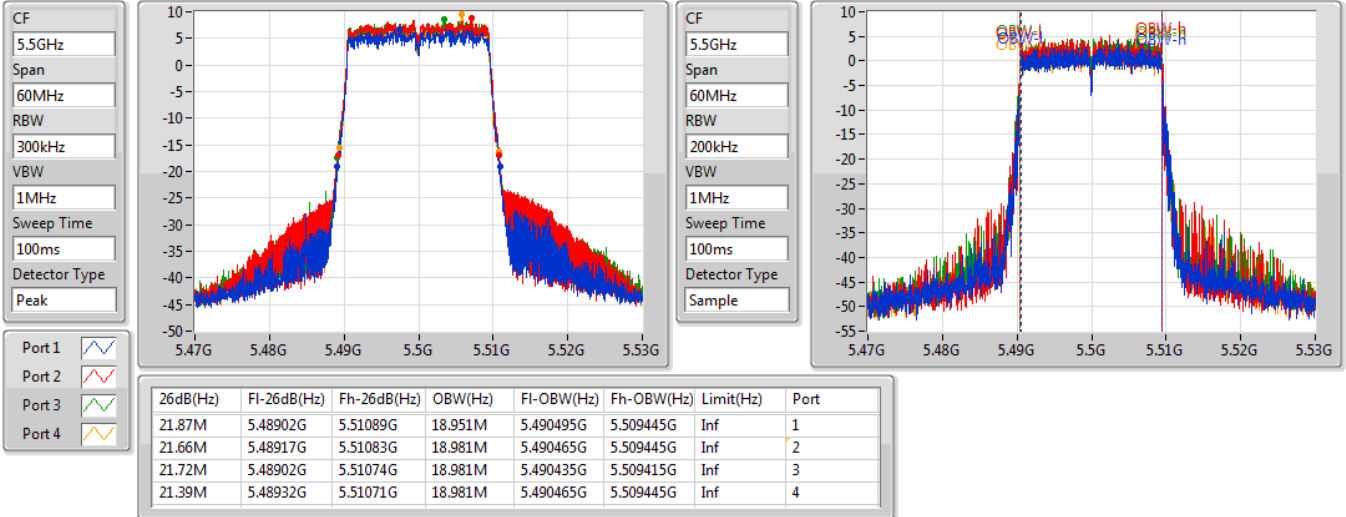

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5320MHz

10/05/2019

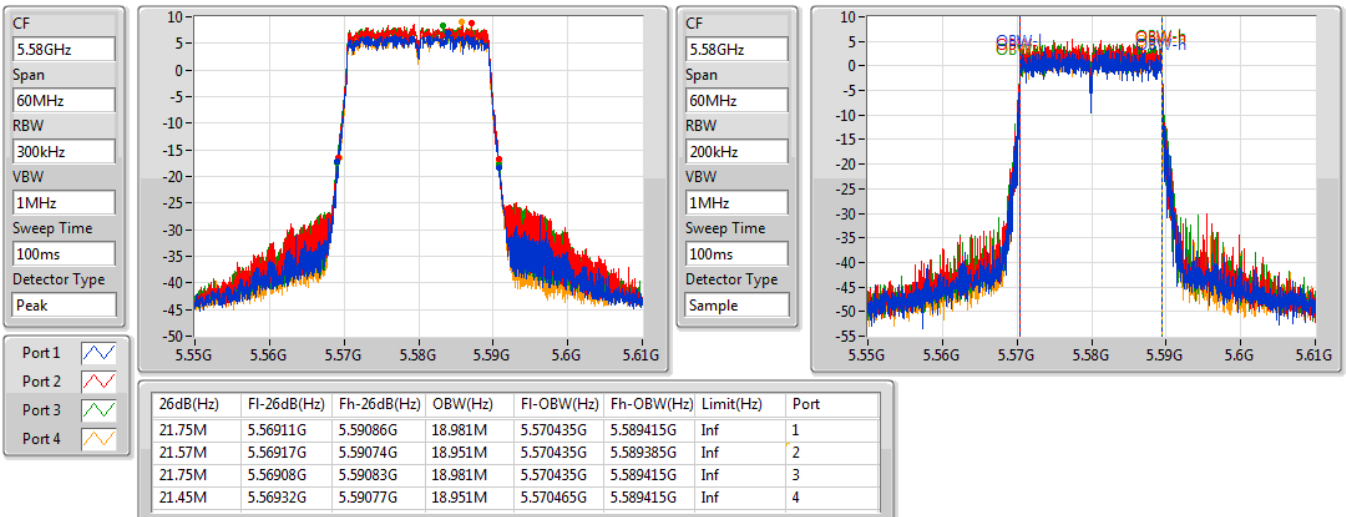


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5500MHz

10/05/2019

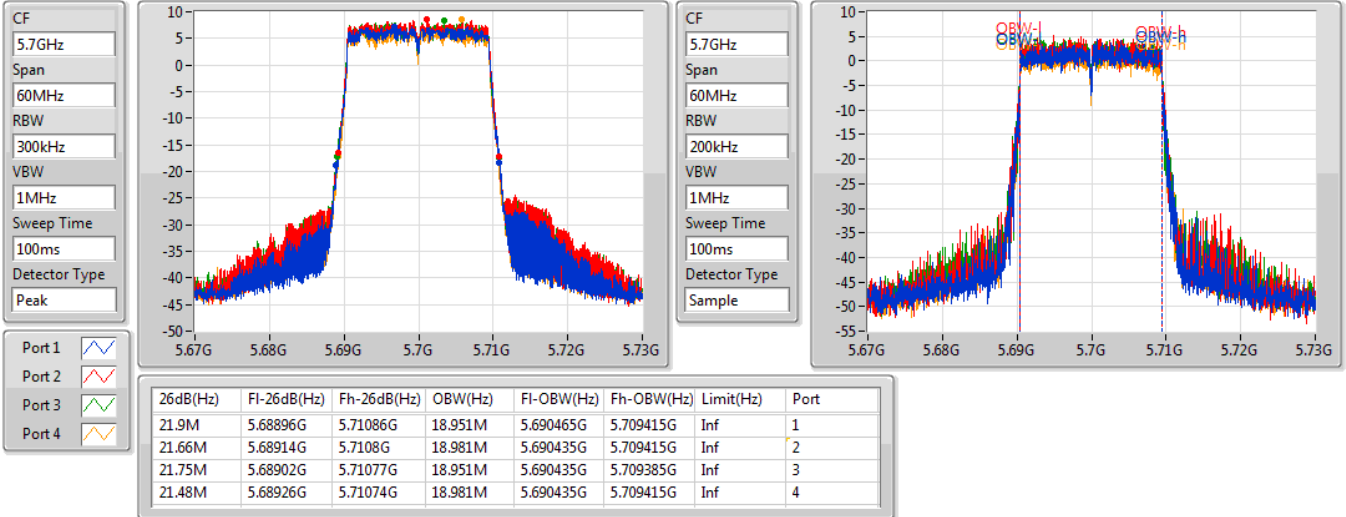

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5580MHz

10/05/2019

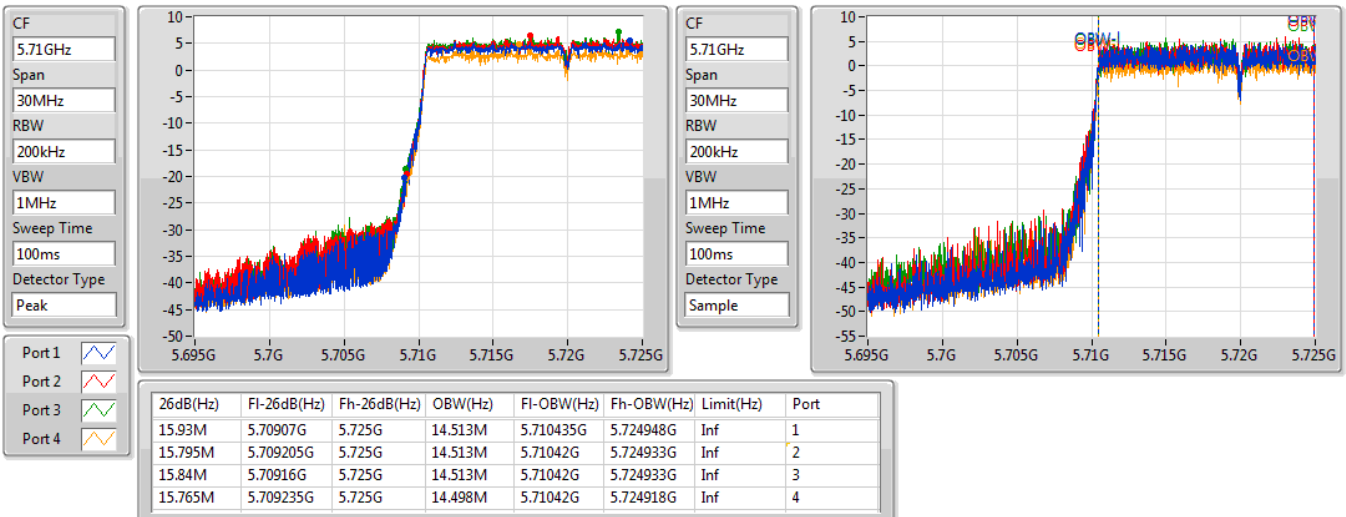


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5700MHz

10/05/2019

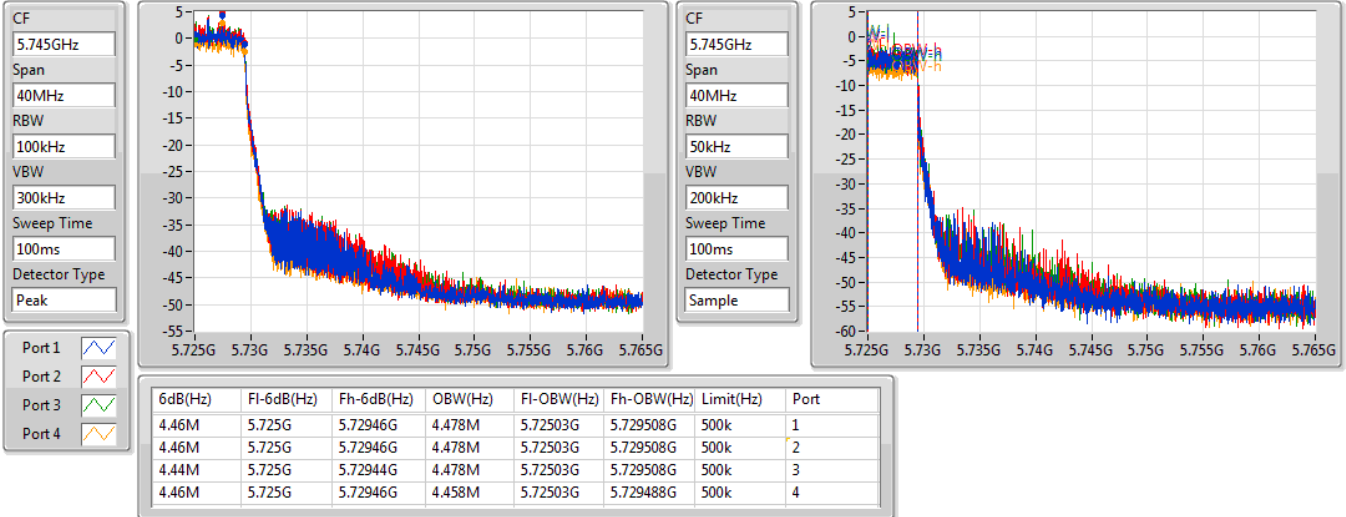

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

10/05/2019

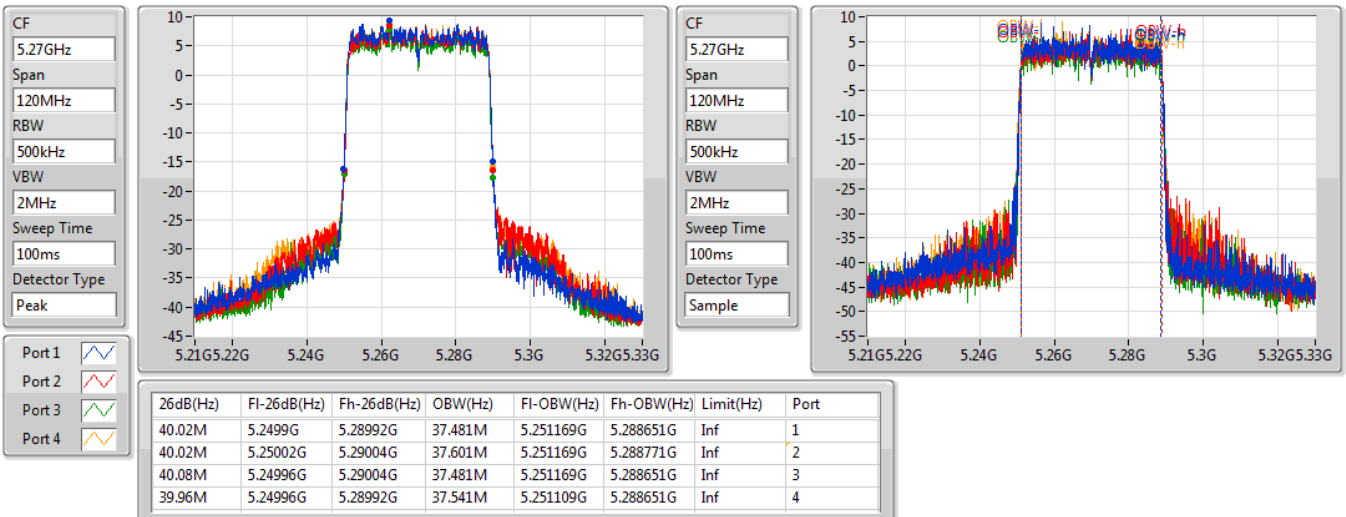


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

10/05/2019

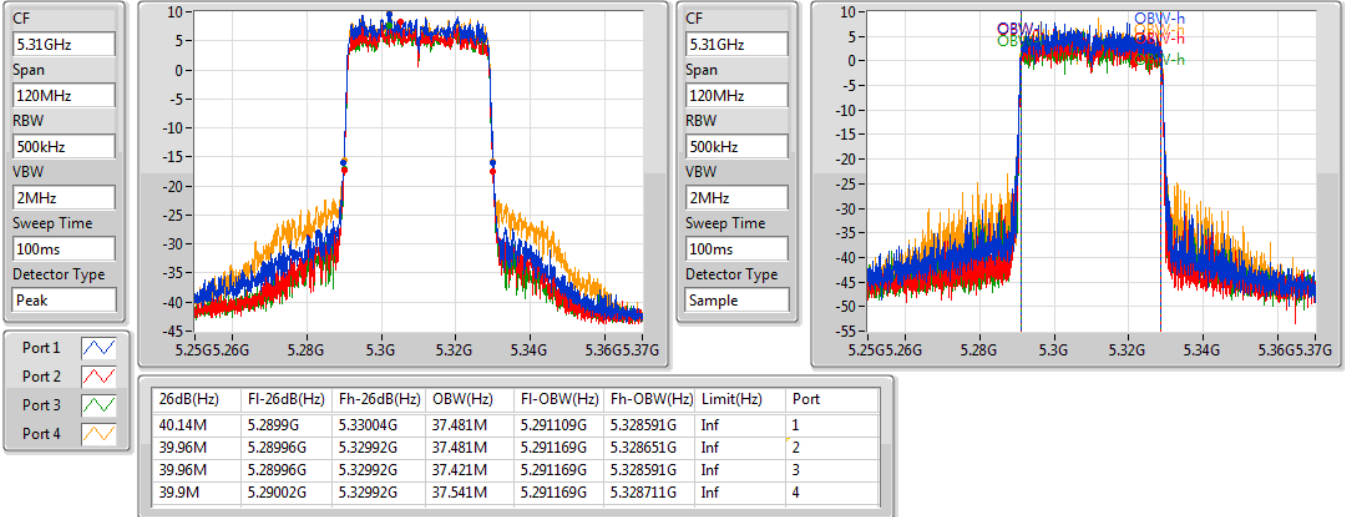

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5270MHz

10/05/2019

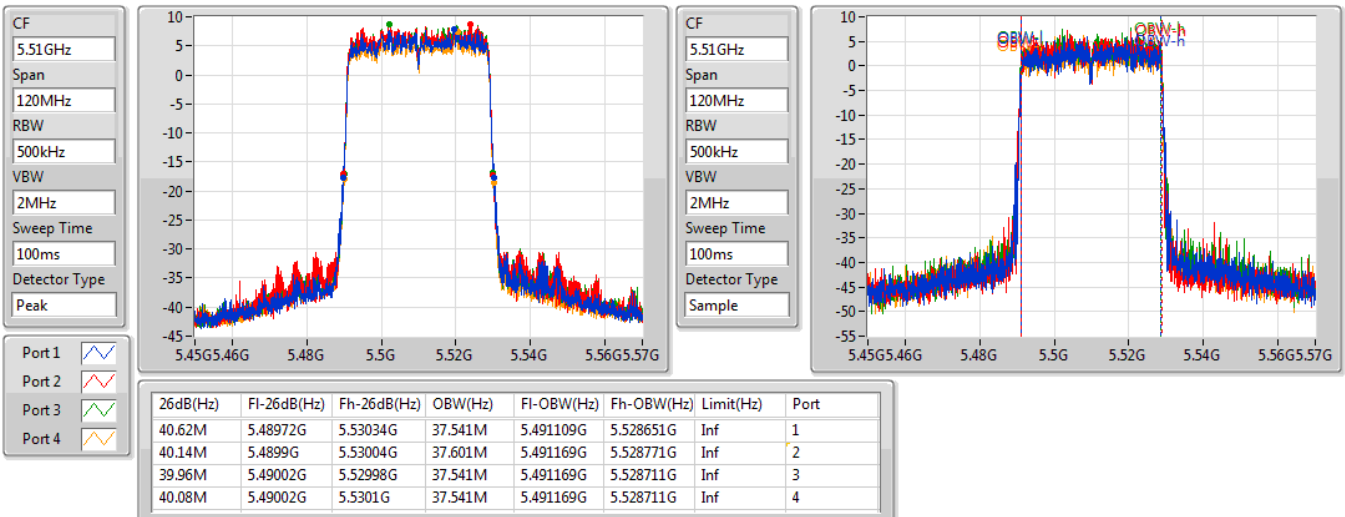


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5310MHz

10/05/2019

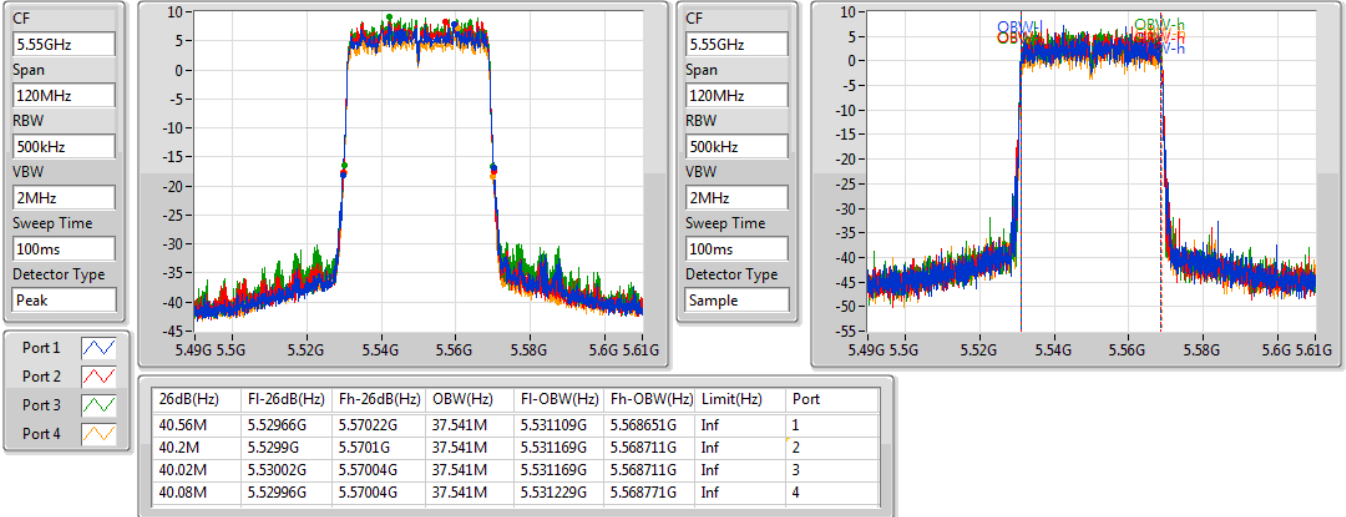

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5510MHz

10/05/2019

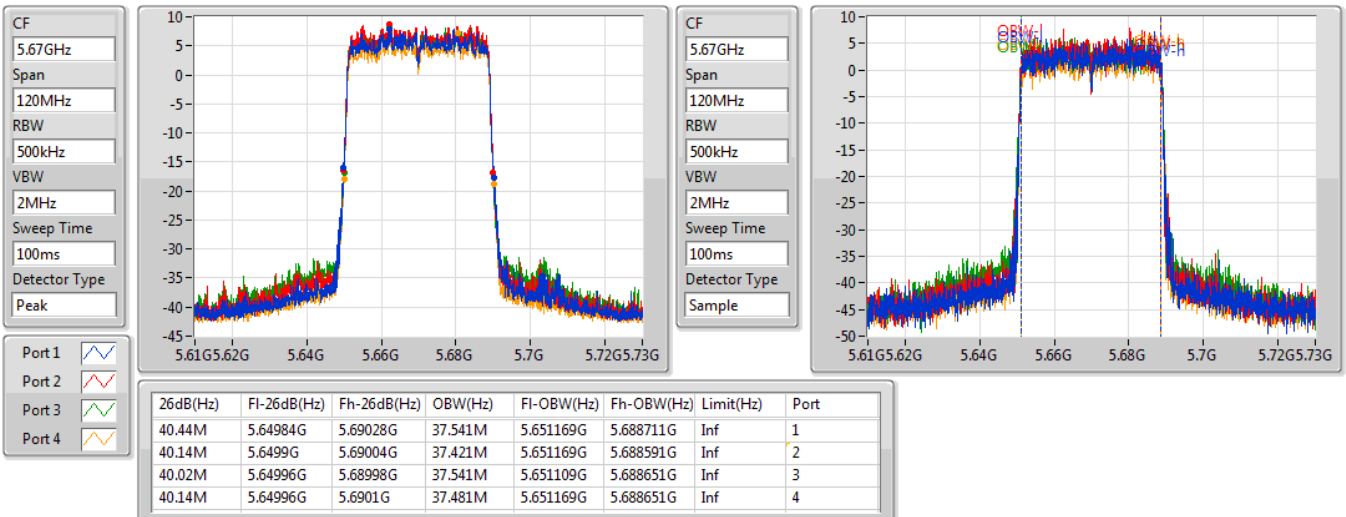


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5550MHz

10/05/2019

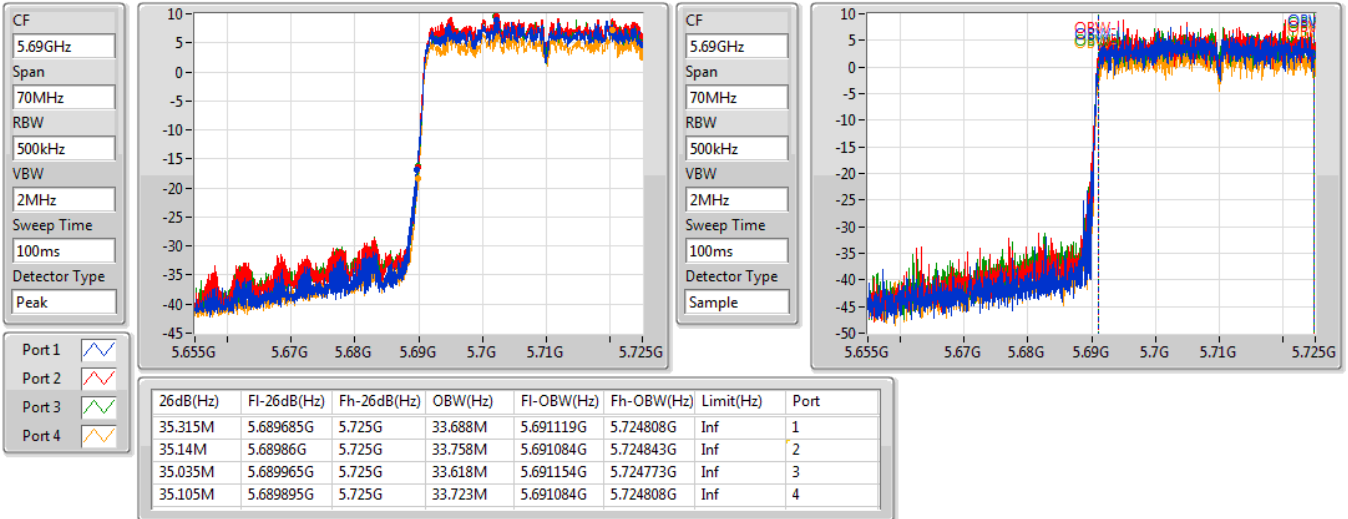

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5670MHz

10/05/2019

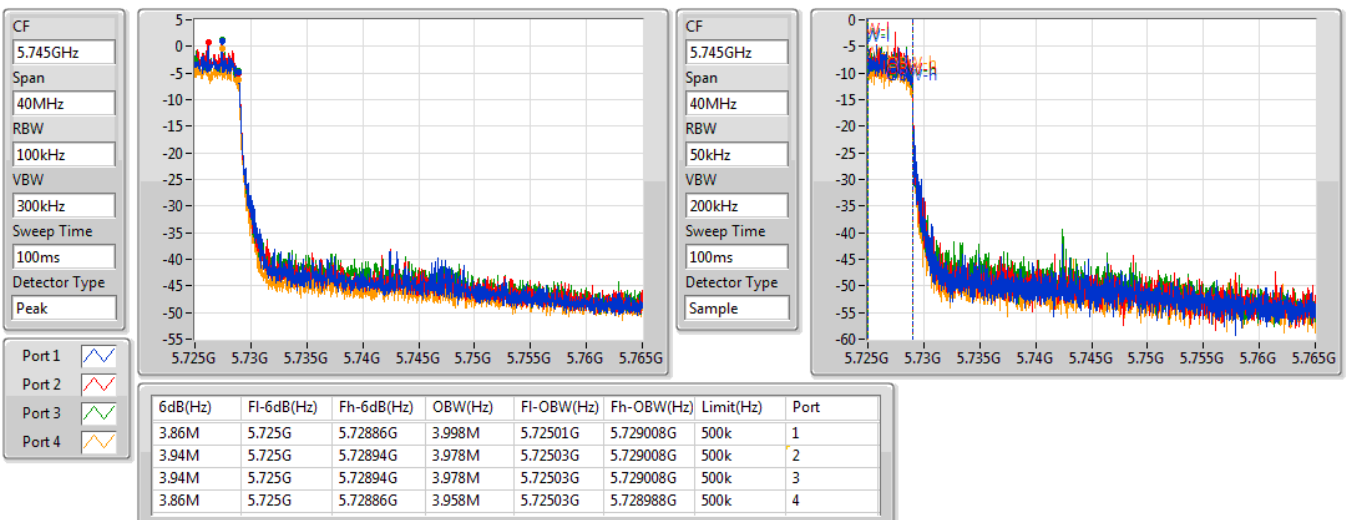


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

10/05/2019

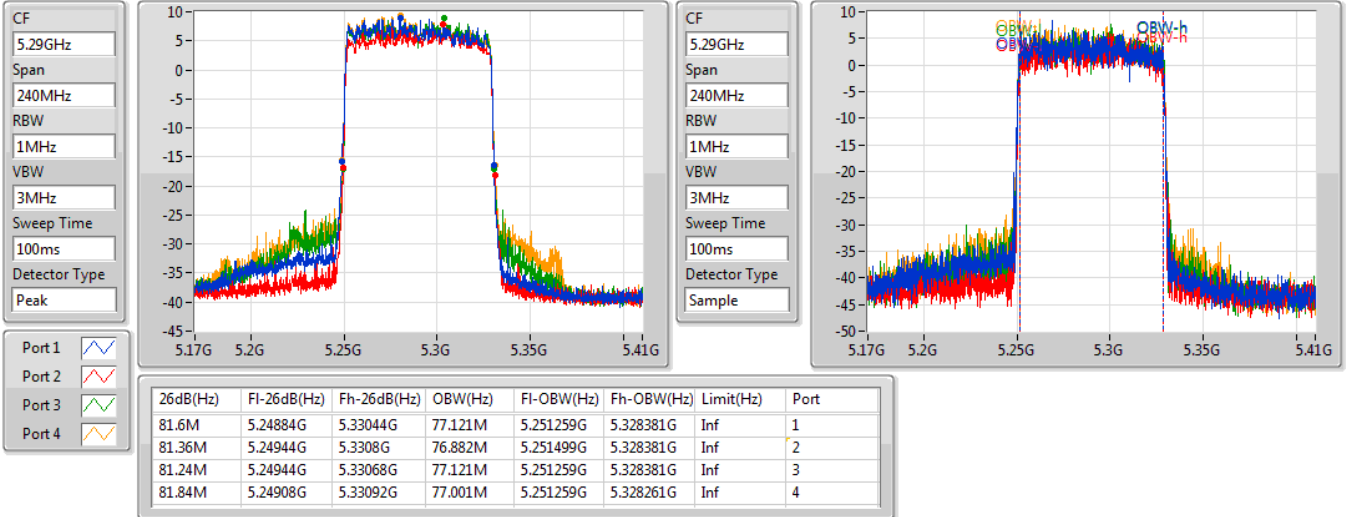

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

10/05/2019

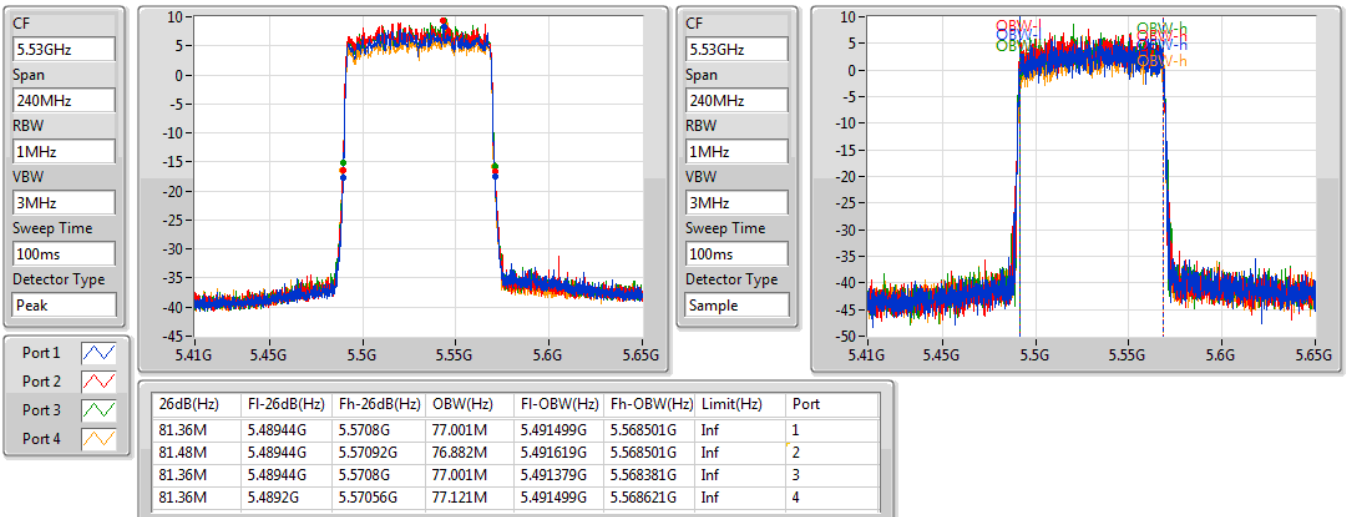


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5290MHz

10/05/2019

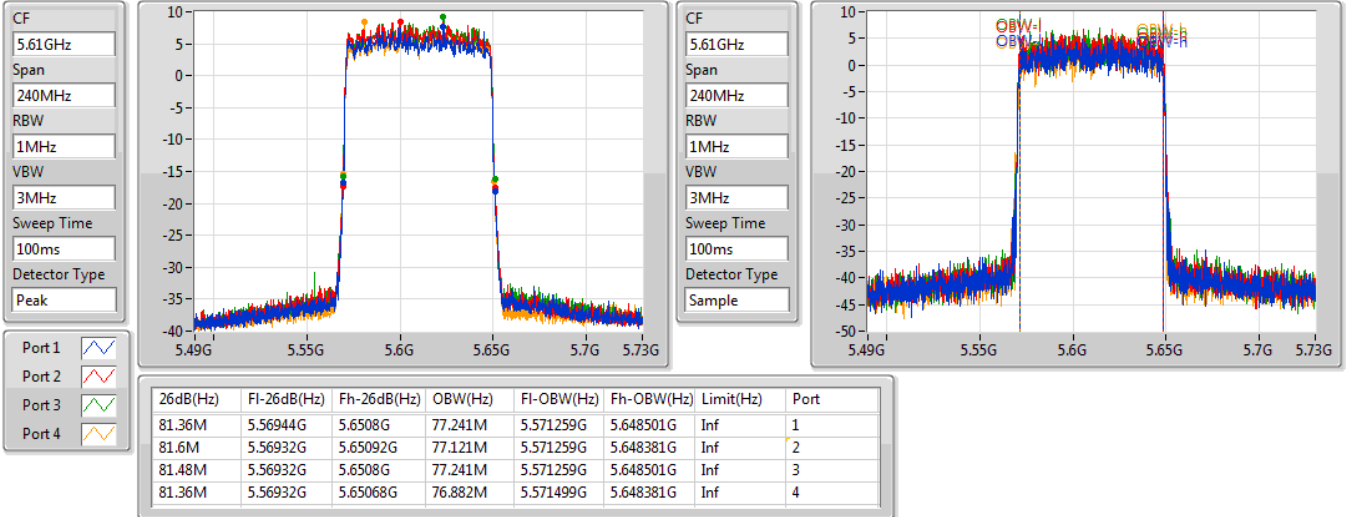

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5530MHz

10/05/2019

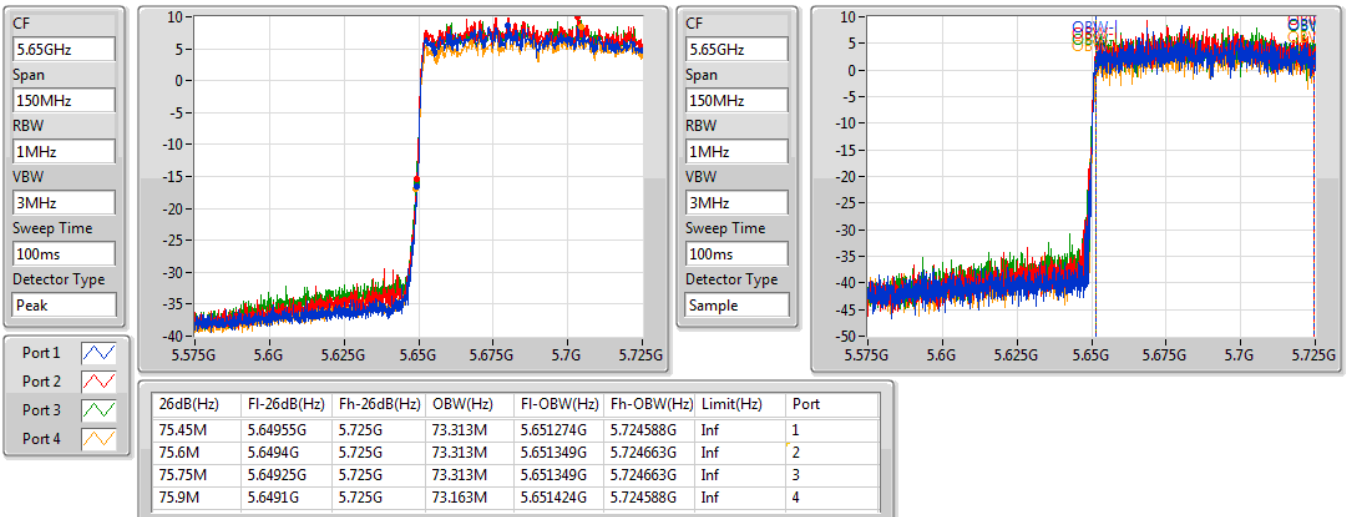


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5610MHz

10/05/2019

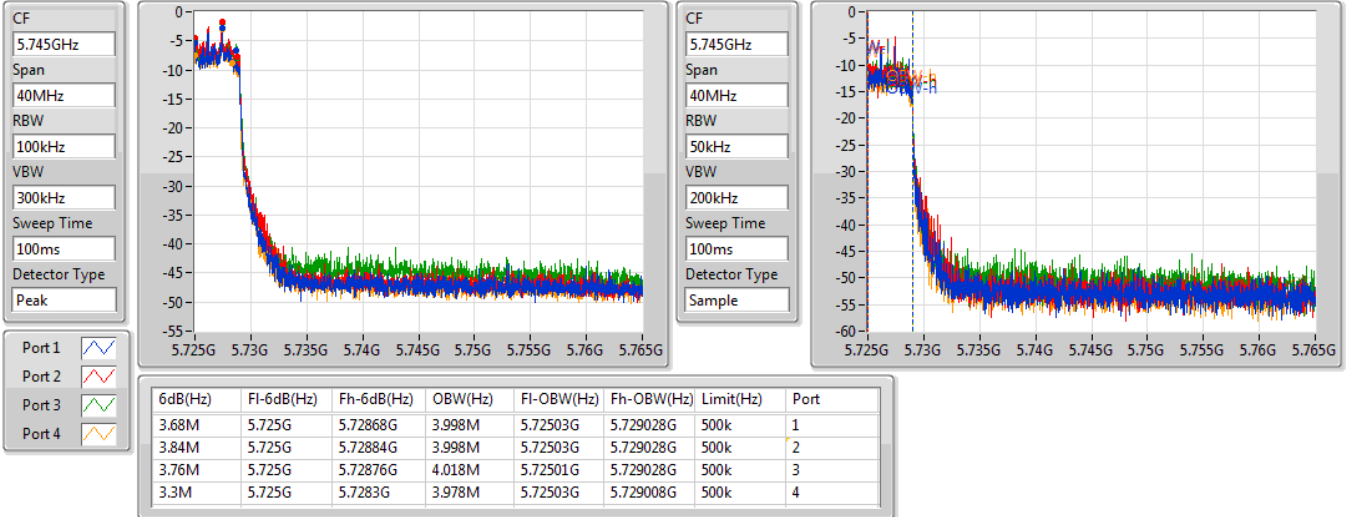

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

10/05/2019

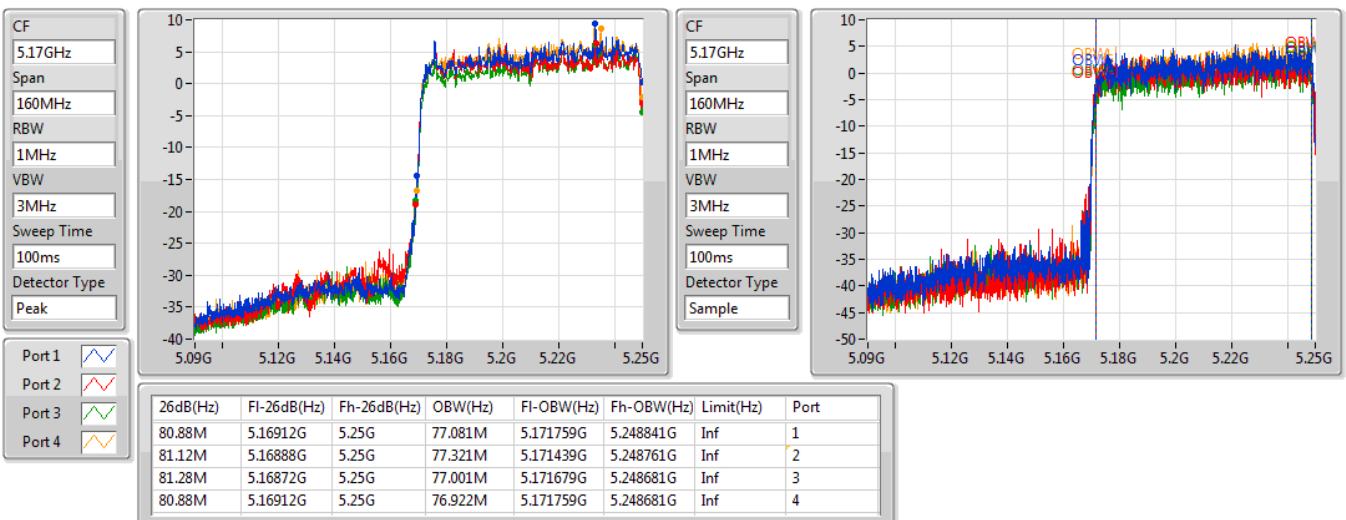


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

10/05/2019

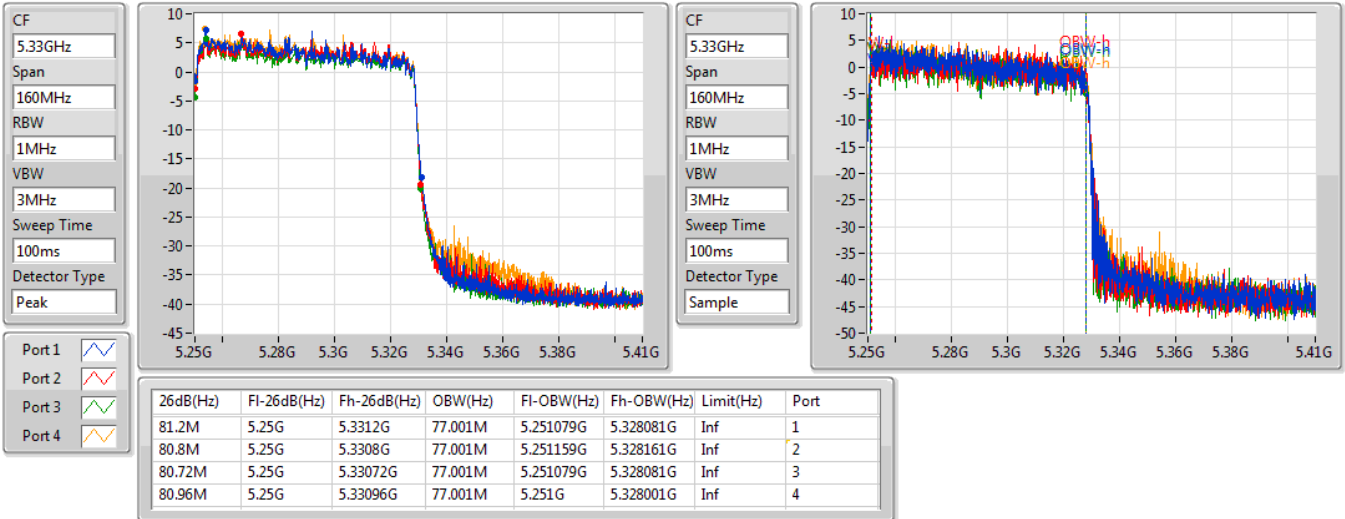

802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

10/05/2019

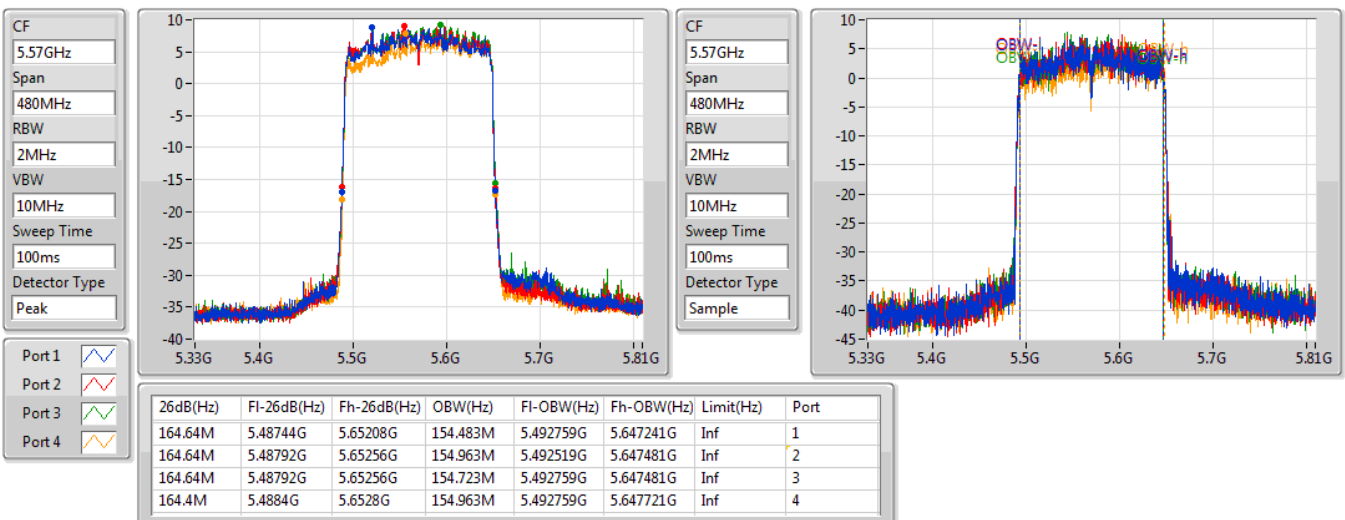


802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

10/05/2019


802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5570MHz

10/05/2019





Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ac VHT160_Nss1,(MCS0)_4TX	16.82	0.04808
802.11ax HEW160_Nss1,(MCS0)_4TX	17.15	0.05188
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	20.08	0.10186
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	20.11	0.10257
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	22.51	0.17824
802.11ac VHT20_Nss1,(MCS0)_4TX	22.77	0.18923
802.11ac VHT40_Nss1,(MCS0)_4TX	23.53	0.22542
802.11ac VHT80_Nss1,(MCS0)_4TX	22.48	0.17701
802.11ac VHT160_Nss1,(MCS0)_4TX	15.99	0.03972
802.11ax HEW20_Nss1,(MCS0)_4TX	23.02	0.20045
802.11ax HEW40_Nss1,(MCS0)_4TX	23.82	0.24099
802.11ax HEW80_Nss1,(MCS0)_4TX	22.67	0.18493
802.11ax HEW160_Nss1,(MCS0)_4TX	16.30	0.04266
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	22.03	0.15959
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	22.05	0.16032
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	21.92	0.15560
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	19.31	0.08531
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.31	0.17022
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	22.31	0.17022
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	22.30	0.16982
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	19.48	0.08872
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	22.61	0.18239
802.11ac VHT20_Nss1,(MCS0)_4TX	22.53	0.17906
802.11ac VHT40_Nss1,(MCS0)_4TX	23.60	0.22909
802.11ac VHT80_Nss1,(MCS0)_4TX	23.55	0.22646
802.11ac VHT160_Nss1,(MCS0)_4TX	21.85	0.15311
802.11ax HEW20_Nss1,(MCS0)_4TX	22.91	0.19543
802.11ax HEW40_Nss1,(MCS0)_4TX	23.91	0.24604
802.11ax HEW80_Nss1,(MCS0)_4TX	23.90	0.24547
802.11ax HEW160_Nss1,(MCS0)_4TX	22.24	0.16749
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.91	0.15524
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	21.77	0.15031
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	21.96	0.15704
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	21.76	0.14997
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.19	0.16558
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	22.08	0.16144
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	22.16	0.16444
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	22.01	0.15885
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	15.33	0.03412
802.11ac VHT20_Nss1,(MCS0)_4TX	15.68	0.03698



Average Power

Appendix B

Mode	Total Power (dBm)	Total Power (W)
802.11ac VHT40_Nss1,(MCS0)_4TX	13.00	0.01995
802.11ac VHT80_Nss1,(MCS0)_4TX	8.98	0.00791
802.11ax HEW20_Nss1,(MCS0)_4TX	16.40	0.04365
802.11ax HEW40_Nss1,(MCS0)_4TX	13.99	0.02506
802.11ax HEW80_Nss1,(MCS0)_4TX	10.17	0.01040
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	15.28	0.03373
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	11.34	0.01361
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	7.63	0.00579
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	15.83	0.03828
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	12.25	0.01679
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	8.45	0.00700

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	2.36	16.71	16.29	15.84	16.78	22.44	23.98
5300MHz	Pass	2.36	16.96	15.63	15.76	16.92	22.38	23.98
5320MHz	Pass	2.36	17.23	15.30	15.66	17.37	22.51	23.98
5500MHz	Pass	2.35	15.17	16.54	16.75	16.00	22.18	23.98
5580MHz	Pass	2.35	15.47	16.53	16.92	15.96	22.28	23.98
5700MHz	Pass	2.35	16.61	16.88	17.13	15.60	22.61	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.35	15.45	15.81	16.07	14.17	21.45	22.92
5720MHz Straddle 5.725-5.85GHz	Pass	2.35	9.22	9.73	9.98	8.08	15.33	30.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	2.36	17.08	16.63	15.78	16.97	22.66	23.98
5300MHz	Pass	2.36	17.43	16.06	15.78	17.46	22.77	23.98
5320MHz	Pass	2.36	17.33	15.74	15.22	17.84	22.69	23.98
5500MHz	Pass	2.35	15.53	17.09	17.23	15.95	22.53	23.98
5580MHz	Pass	2.35	15.21	16.85	17.08	15.95	22.36	23.98
5700MHz	Pass	2.35	14.13	14.68	14.82	13.82	20.40	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.35	15.44	15.81	15.96	13.94	21.38	22.99
5720MHz Straddle 5.725-5.85GHz	Pass	2.35	9.66	10.06	10.25	8.43	15.68	30.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	2.36	18.08	17.35	16.67	17.82	23.53	23.98
5310MHz	Pass	2.36	17.79	16.33	16.05	17.82	23.09	23.98
5510MHz	Pass	2.35	17.12	17.70	18.19	16.70	23.48	23.98
5550MHz	Pass	2.35	17.25	17.33	18.65	16.87	23.60	23.98
5670MHz	Pass	2.35	17.31	18.03	17.98	16.41	23.50	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	2.35	17.34	18.01	17.98	16.11	23.45	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	2.35	6.80	7.51	7.56	5.83	13.00	30.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	2.36	16.62	15.49	16.72	16.87	22.48	23.98
5530MHz	Pass	2.35	16.92	18.04	18.08	16.24	23.41	23.98
5610MHz	Pass	2.35	16.95	17.99	18.34	16.58	23.55	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	2.35	17.06	17.92	17.95	16.20	23.36	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	2.35	2.74	3.44	3.52	1.96	8.98	30.00
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.36	11.26	10.56	9.36	11.68	16.82	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	2.36	10.05	10.54	8.84	10.26	15.99	23.98
5570MHz	Pass	2.35	15.87	16.21	16.23	14.88	21.85	23.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	2.36	17.51	16.80	16.45	16.06	22.76	23.98
5300MHz	Pass	2.36	17.98	16.18	16.53	16.31	22.83	23.98
5320MHz	Pass	2.36	17.69	15.98	15.49	18.24	23.02	23.98
5500MHz	Pass	2.35	16.04	17.49	17.43	16.40	22.91	23.98
5580MHz	Pass	2.35	15.57	17.23	17.46	16.41	22.75	23.98
5700MHz	Pass	2.35	14.59	15.01	15.15	13.56	20.64	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.35	15.45	15.94	16.13	14.21	21.51	22.97



Average Power

Appendix B

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5720MHz Straddle 5.725-5.85GHz	Pass	2.35	10.39	10.80	10.97	9.13	16.40	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	2.36	18.36	17.58	16.83	18.26	23.82	23.98
5310MHz	Pass	2.36	17.91	16.61	16.01	17.99	23.23	23.98
5510MHz	Pass	2.35	17.44	18.13	18.50	17.00	23.83	23.98
5550MHz	Pass	2.35	17.53	18.11	18.75	16.94	23.91	23.98
5670MHz	Pass	2.35	17.42	18.27	18.43	16.52	23.75	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	2.35	17.70	18.37	18.40	16.48	23.82	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	2.35	7.71	8.52	8.63	6.75	13.99	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	2.36	16.62	15.69	17.02	17.12	22.67	23.98
5530MHz	Pass	2.35	17.35	18.42	18.42	16.64	23.79	23.98
5610MHz	Pass	2.35	17.14	18.17	18.47	17.03	23.77	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	2.35	17.69	18.51	18.41	16.66	23.90	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	2.35	3.92	4.55	4.80	3.15	10.17	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.36	11.48	10.93	9.76	12.02	17.15	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	2.36	10.49	10.87	9.12	10.43	16.30	23.98
5570MHz	Pass	2.35	16.18	16.59	16.64	15.35	22.24	23.98
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.61	16.36	16.04	15.06	16.45	22.03	22.37
5300MHz	Pass	7.61	16.55	15.29	14.49	16.70	21.87	22.37
5320MHz	Pass	7.61	16.85	14.89	14.38	16.97	21.94	22.37
5500MHz	Pass	7.78	14.73	16.12	16.13	15.39	21.65	22.20
5580MHz	Pass	7.78	15.10	16.25	16.57	15.43	21.90	22.20
5700MHz	Pass	7.78	15.58	16.35	16.51	14.95	21.91	22.20
5720MHz Straddle 5.47-5.725GHz	Pass	7.78	14.93	15.38	15.56	13.64	20.96	21.20
5720MHz Straddle 5.725-5.85GHz	Pass	7.78	9.28	9.64	9.91	7.94	15.28	28.22
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.61	16.34	15.93	15.25	16.44	22.04	22.37
5310MHz	Pass	7.61	16.62	15.33	15.19	16.76	22.05	22.37
5510MHz	Pass	7.78	15.43	16.11	16.26	14.86	21.72	22.20
5550MHz	Pass	7.78	15.58	15.45	16.58	14.62	21.63	22.20
5670MHz	Pass	7.78	15.64	16.23	16.23	14.72	21.77	22.20
5710MHz Straddle 5.47-5.725GHz	Pass	7.78	15.85	16.45	16.18	14.13	21.76	22.20
5710MHz Straddle 5.725-5.85GHz	Pass	7.78	5.32	6.06	5.81	3.74	11.34	28.22
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.61	15.89	14.88	16.23	16.44	21.92	22.37
5530MHz	Pass	7.78	14.44	15.93	16.27	14.63	21.41	22.20
5610MHz	Pass	7.78	14.94	16.16	15.67	14.82	21.45	22.20
5690MHz Straddle 5.47-5.725GHz	Pass	7.78	15.62	16.68	16.33	14.91	21.96	22.20
5690MHz Straddle 5.725-5.85GHz	Pass	7.78	1.16	2.34	1.98	0.79	7.63	28.22
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.61	14.48	13.51	12.86	15.06	20.08	28.39
5250MHz Straddle 5.25-5.35GHz	Pass	7.61	13.31	13.25	12.61	13.89	19.31	22.37



Average Power

Appendix B

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5570MHz	Pass	7.78	15.63	16.17	16.16	14.89	21.76	22.20
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.61	15.63	16.48	15.45	17.13	22.25	22.37
5300MHz	Pass	7.61	16.80	15.56	15.04	16.95	22.18	22.37
5320MHz	Pass	7.61	17.04	15.26	14.82	17.45	22.31	22.37
5500MHz	Pass	7.78	15.10	16.34	16.83	15.71	22.06	22.20
5580MHz	Pass	7.78	15.29	16.74	16.85	15.60	22.19	22.20
5700MHz	Pass	7.78	16.13	16.48	16.76	15.15	22.19	22.20
5720MHz Straddle 5.47-5.725GHz	Pass	7.78	15.19	15.59	15.82	13.73	21.17	21.20
5720MHz Straddle 5.725-5.85GHz	Pass	7.78	9.85	10.22	10.43	8.50	15.83	28.22
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.61	16.62	16.28	15.42	16.66	22.29	22.37
5310MHz	Pass	7.61	17.06	15.56	15.29	16.96	22.31	22.37
5510MHz	Pass	7.78	15.65	16.51	16.68	15.15	22.06	22.20
5550MHz	Pass	7.78	15.88	16.43	16.80	14.85	22.07	22.20
5670MHz	Pass	7.78	15.96	16.22	16.66	14.95	22.01	22.20
5710MHz Straddle 5.47-5.725GHz	Pass	7.78	16.09	16.80	16.56	14.42	22.08	22.20
5710MHz Straddle 5.725-5.85GHz	Pass	7.78	6.22	6.99	6.62	4.79	12.25	28.22
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.61	16.35	15.27	16.50	16.85	22.30	22.37
5530MHz	Pass	7.78	15.49	16.44	16.69	15.21	22.02	22.20
5610MHz	Pass	7.78	15.15	16.57	16.66	15.41	22.02	22.20
5690MHz Straddle 5.47-5.725GHz	Pass	7.78	15.79	16.87	16.62	15.05	22.16	22.20
5690MHz Straddle 5.725-5.85GHz	Pass	7.78	1.91	3.06	2.98	1.58	8.45	28.22
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.61	14.63	13.43	13.02	14.98	20.11	28.39
5250MHz Straddle 5.25-5.35GHz	Pass	7.61	13.52	13.28	12.82	14.10	19.48	22.37
5570MHz	Pass	7.78	15.82	16.27	16.48	15.30	22.01	22.20

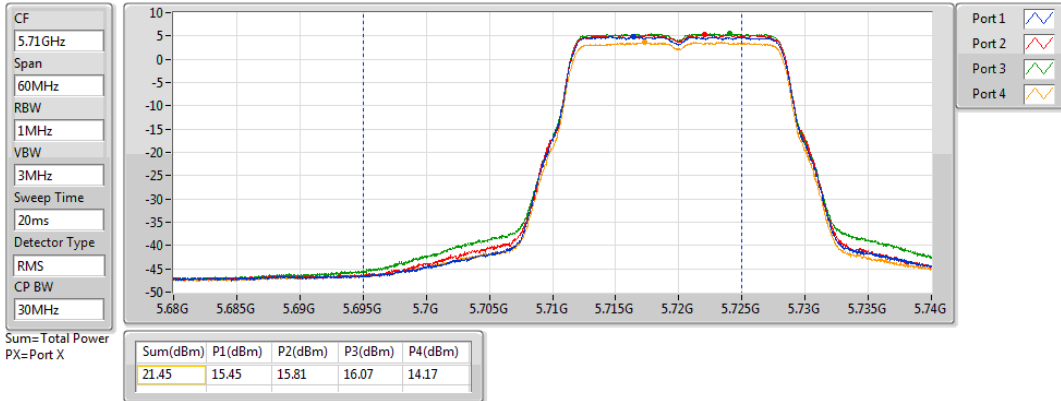
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

10/05/2019

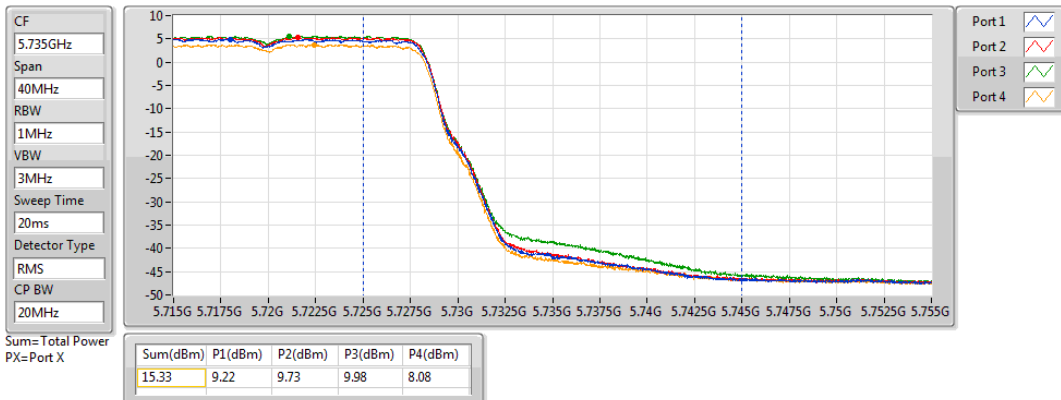


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

10/05/2019

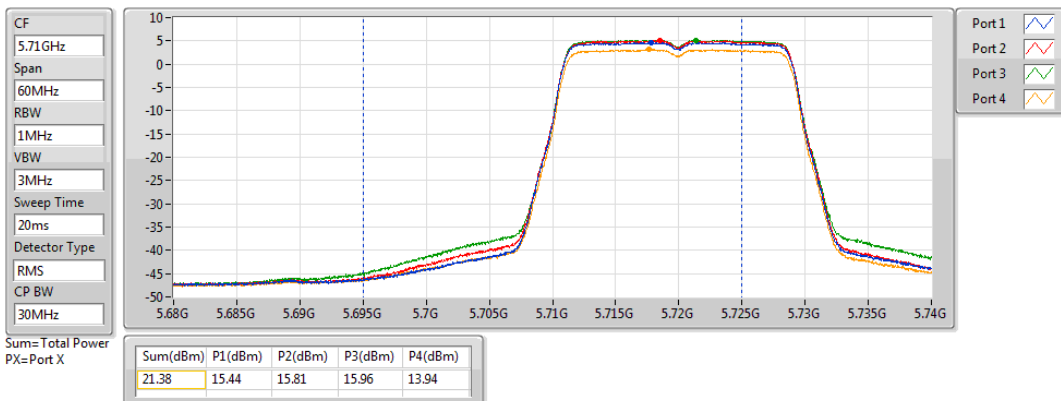


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

10/05/2019

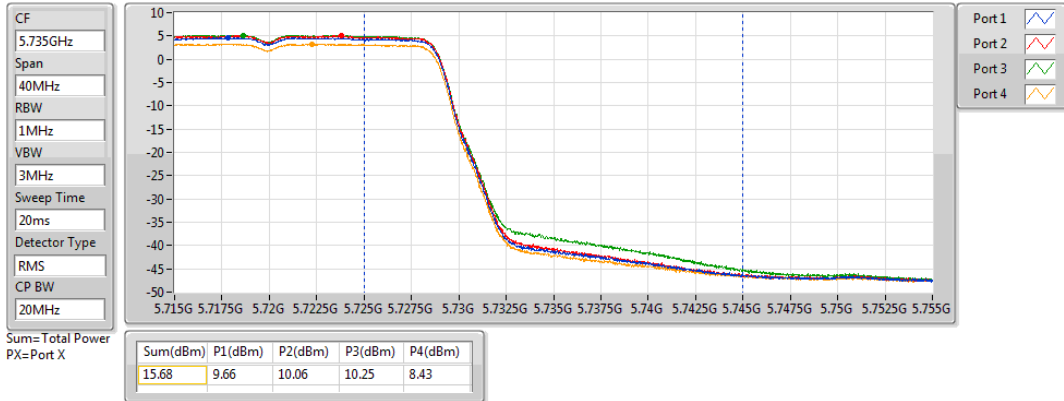


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

10/05/2019

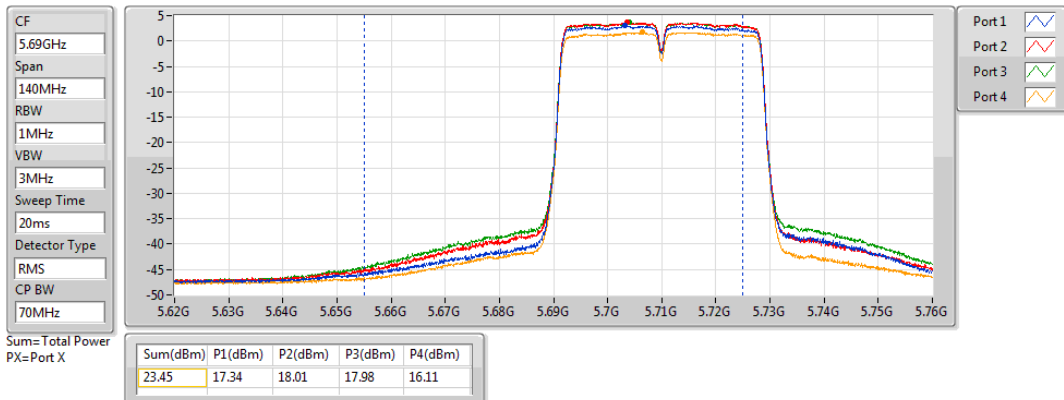


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

10/05/2019

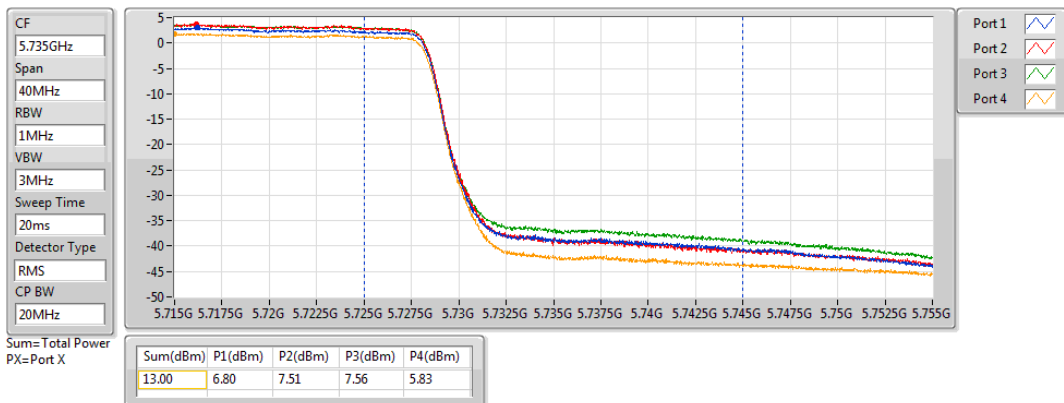


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

10/05/2019

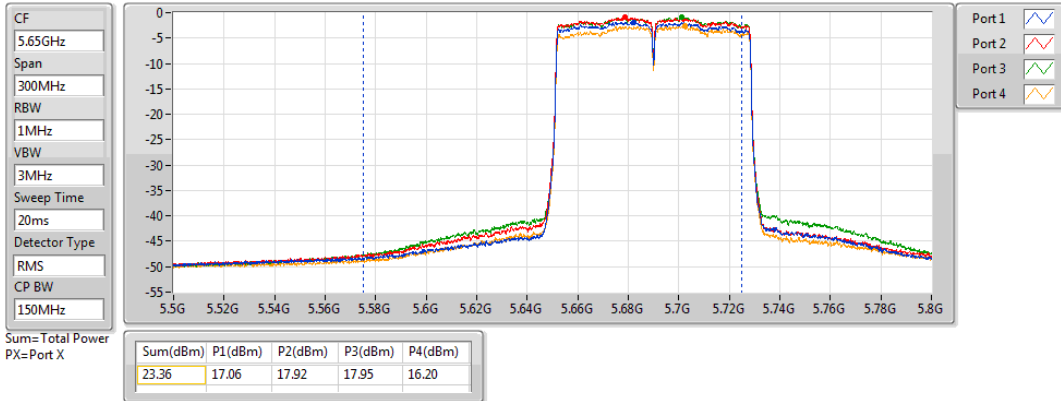


802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

10/05/2019

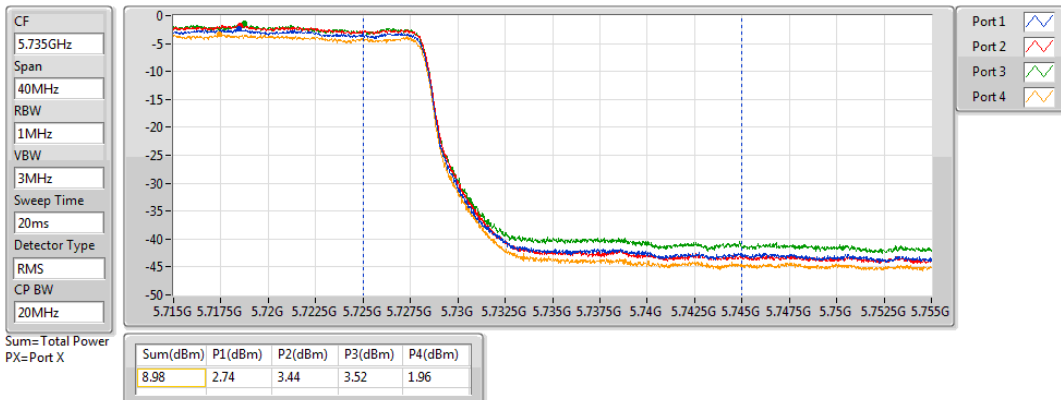


802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

10/05/2019

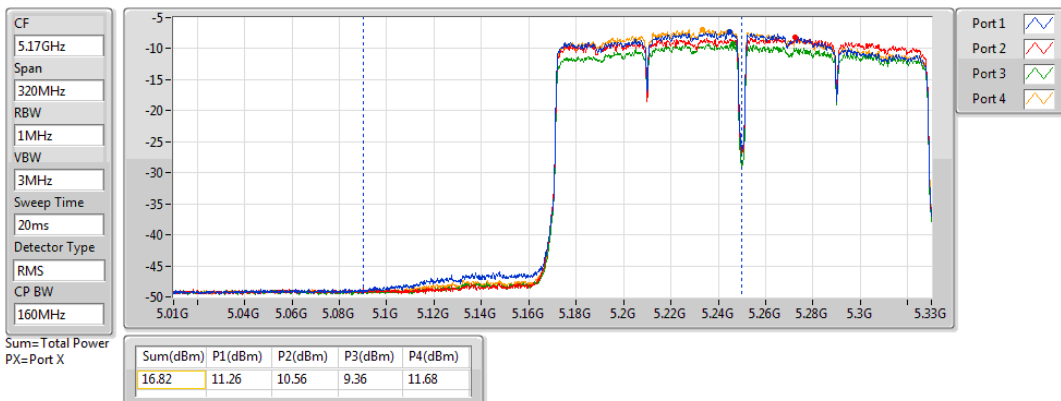


802.11ac VHT160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

28/05/2019

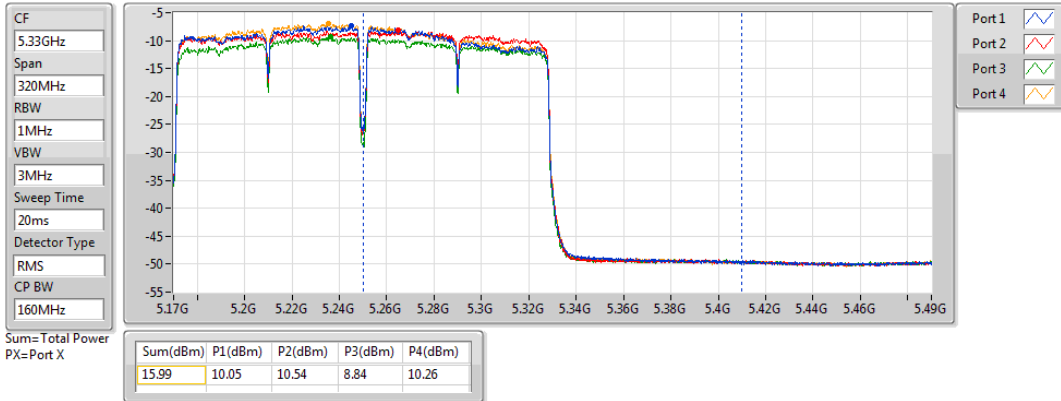


802.11ac VHT160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

28/05/2019

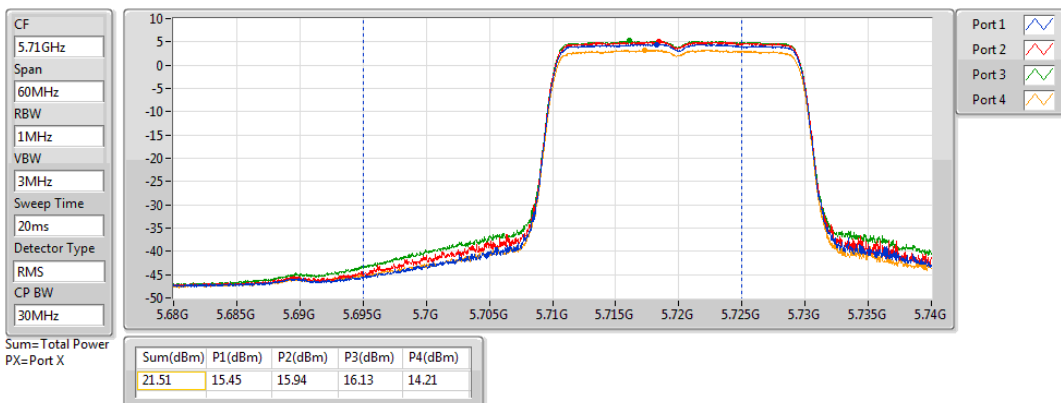


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

10/05/2019

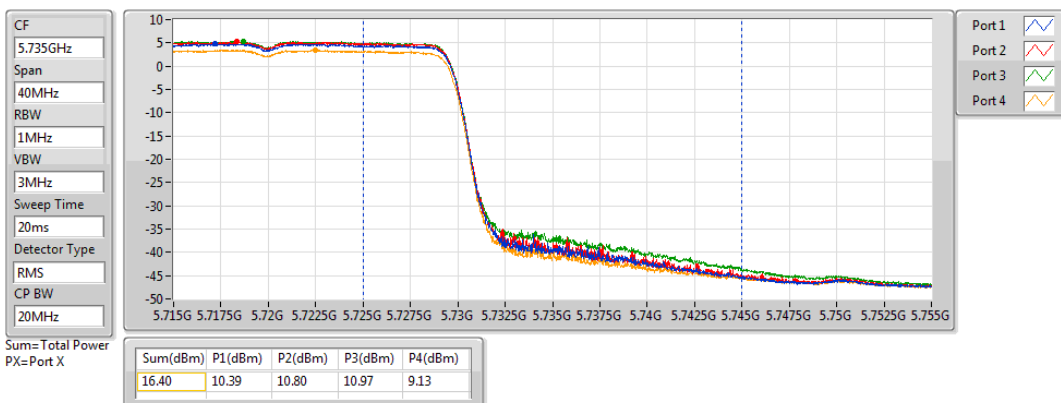


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

10/05/2019

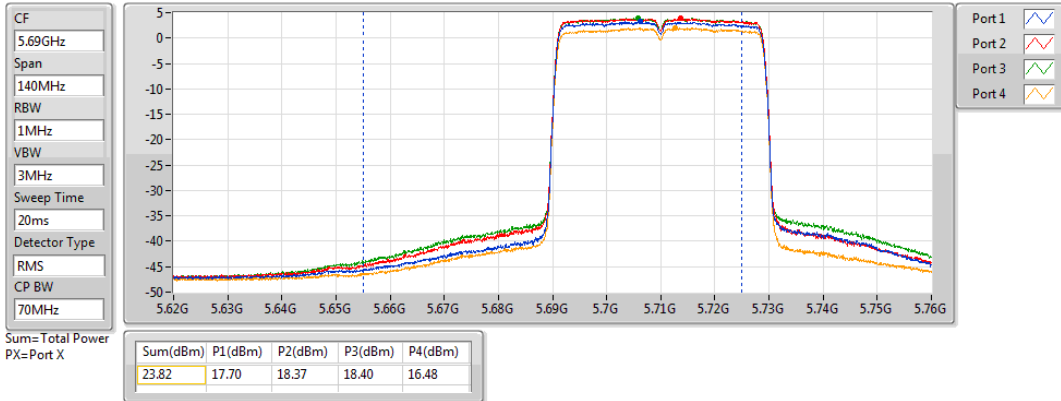


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

10/05/2019

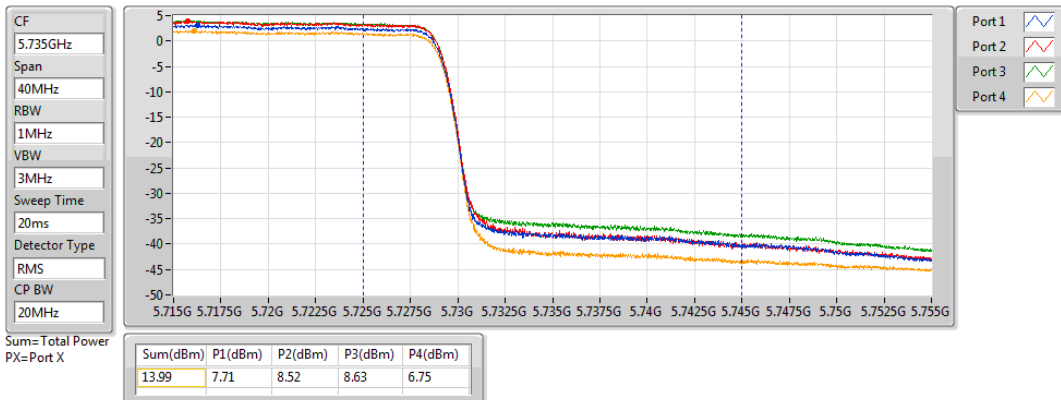


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

10/05/2019

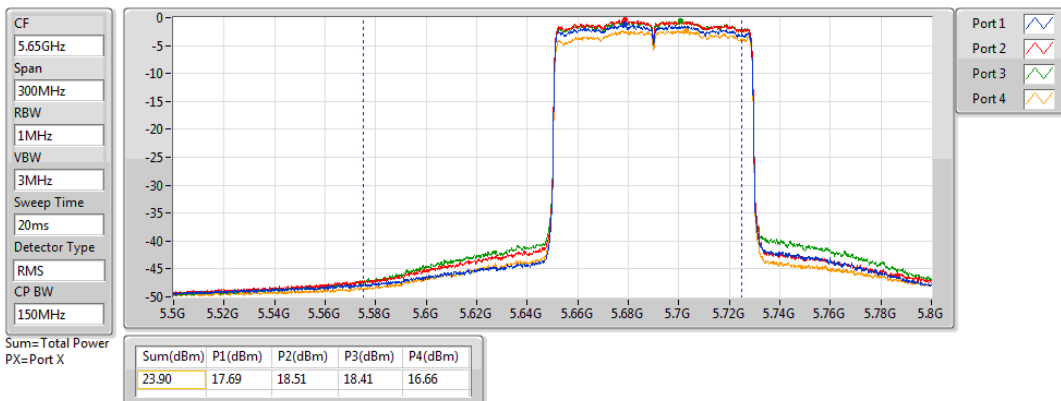


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

10/05/2019

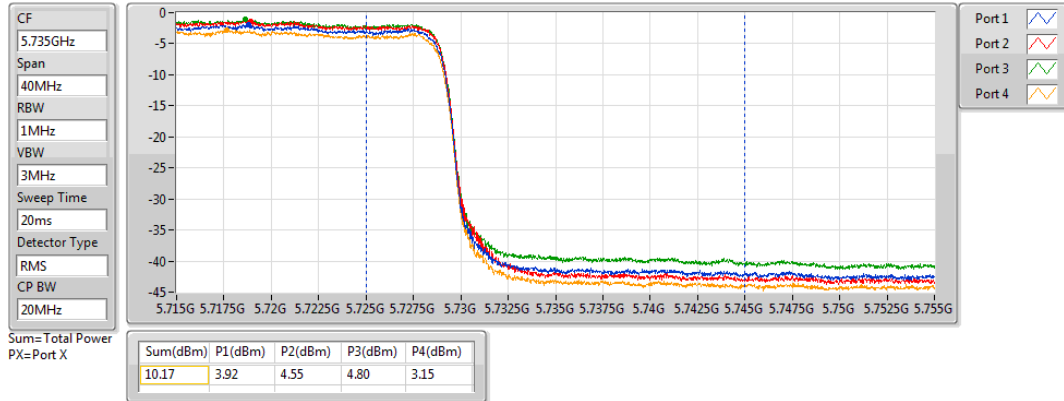


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

10/05/2019

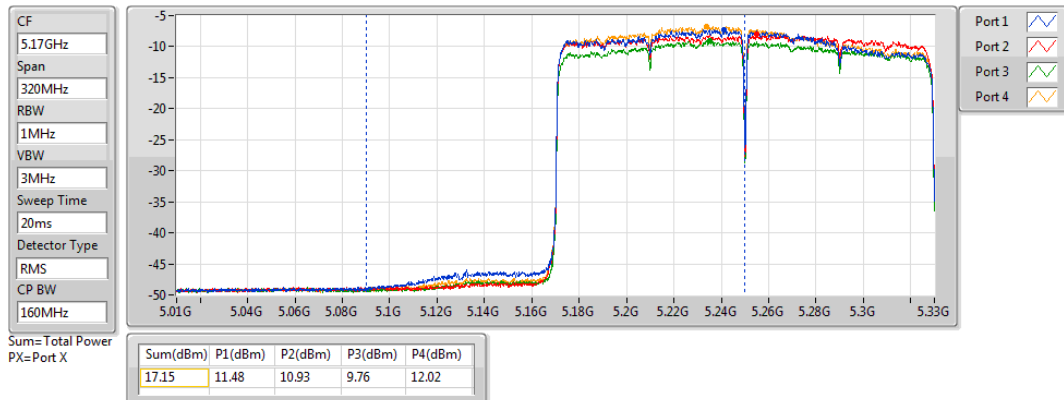


802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

28/05/2019

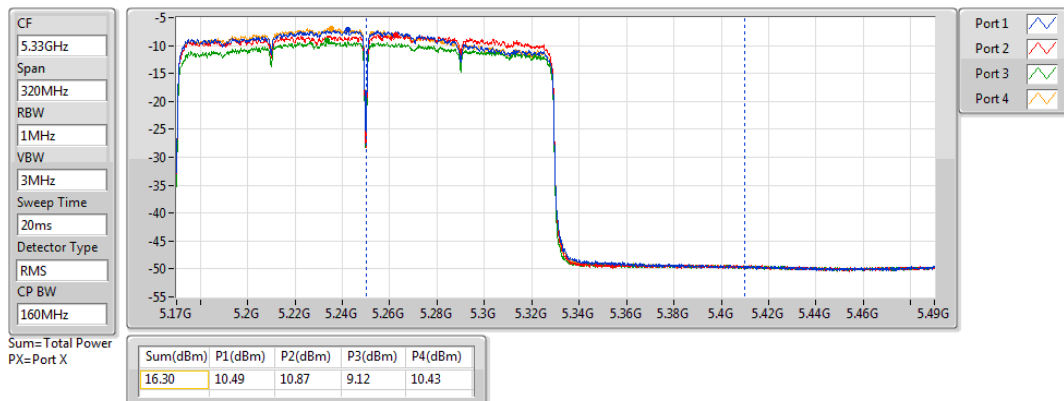


802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

28/05/2019

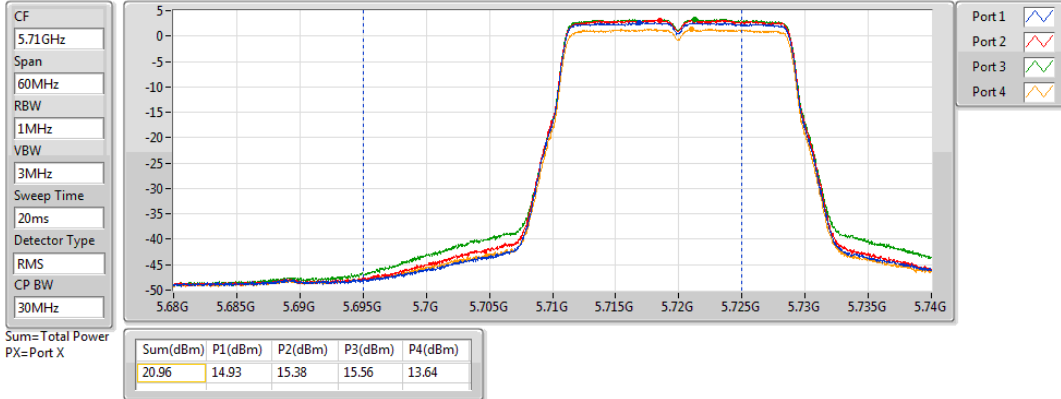


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

10/05/2019

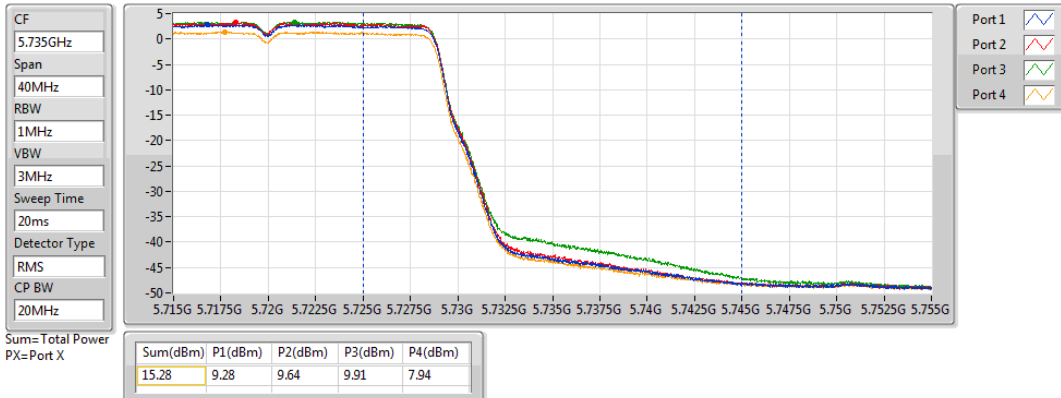


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

10/05/2019

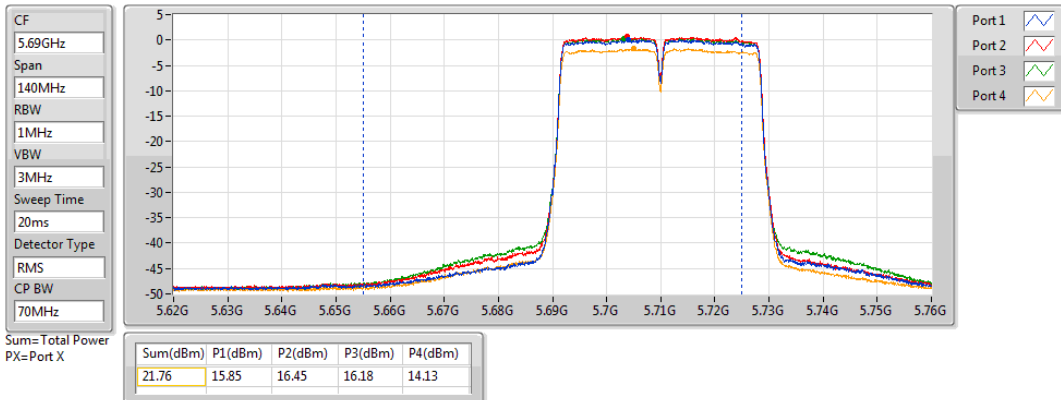


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

10/05/2019

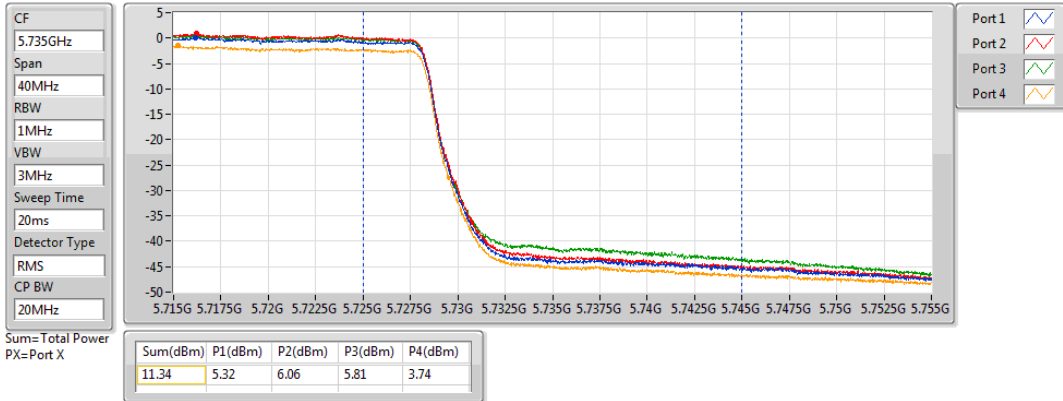


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

10/05/2019

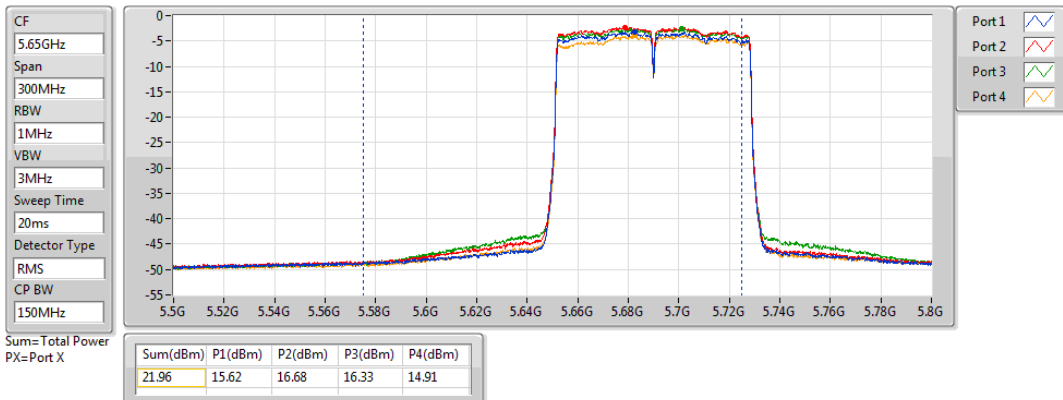


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

10/05/2019

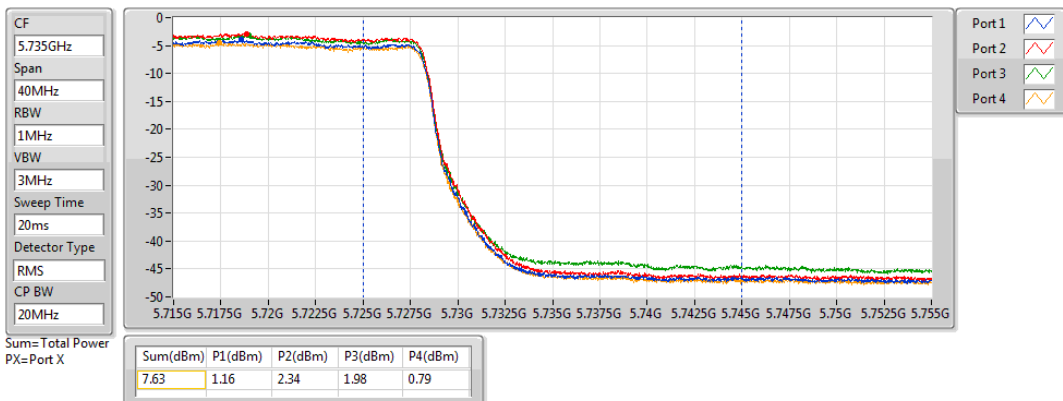


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

10/05/2019

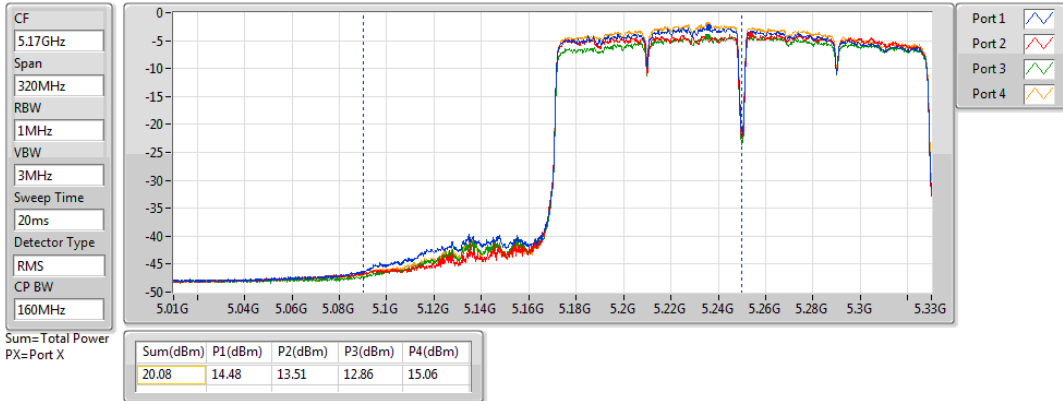


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

10/05/2019

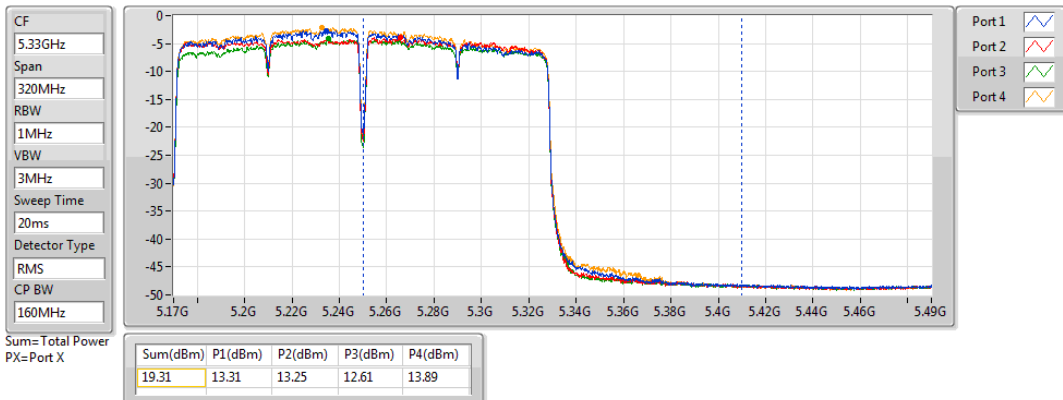


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

10/05/2019

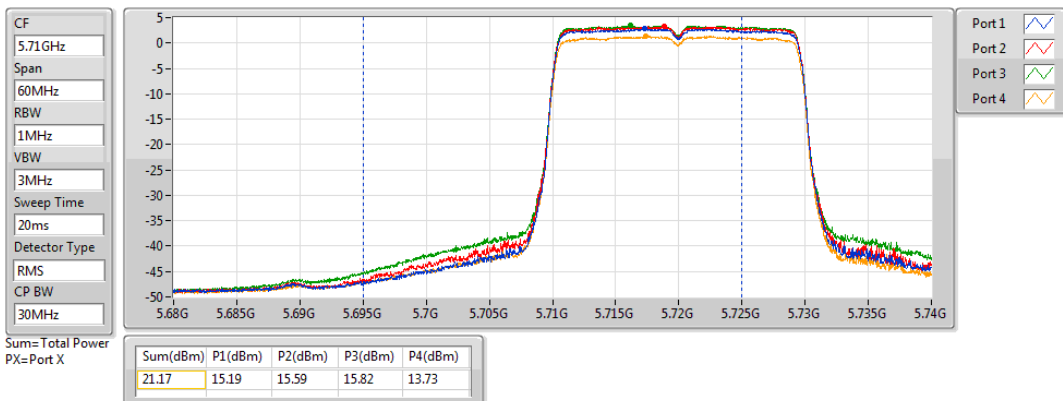


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

10/05/2019

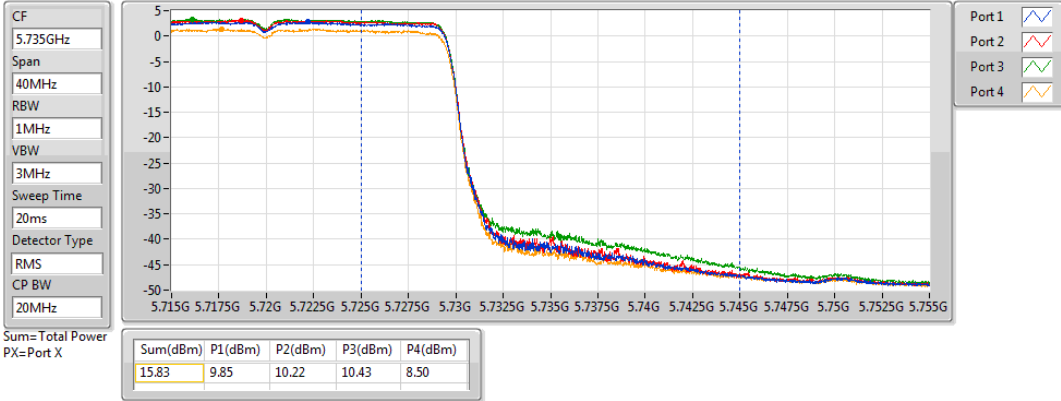


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

10/05/2019

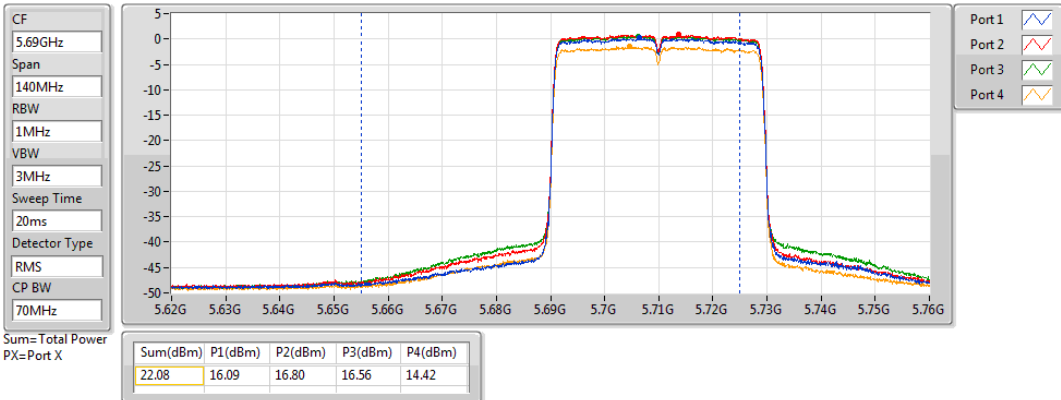


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

10/05/2019

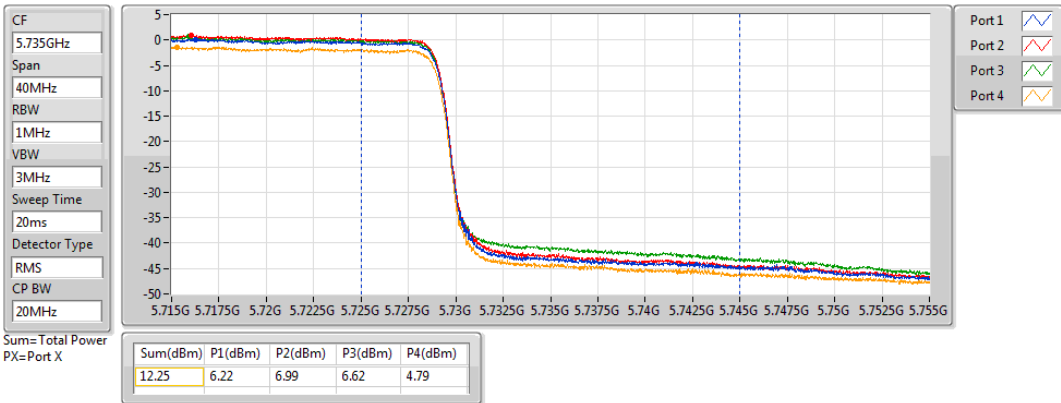


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

10/05/2019

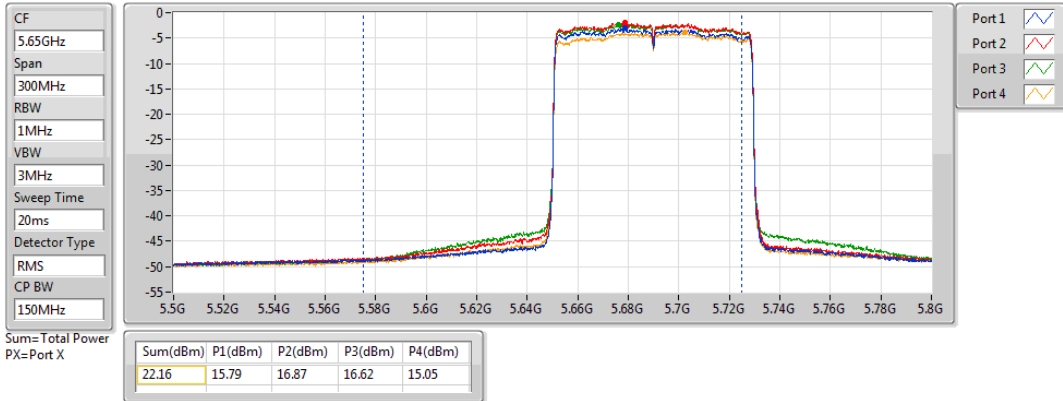


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

10/05/2019

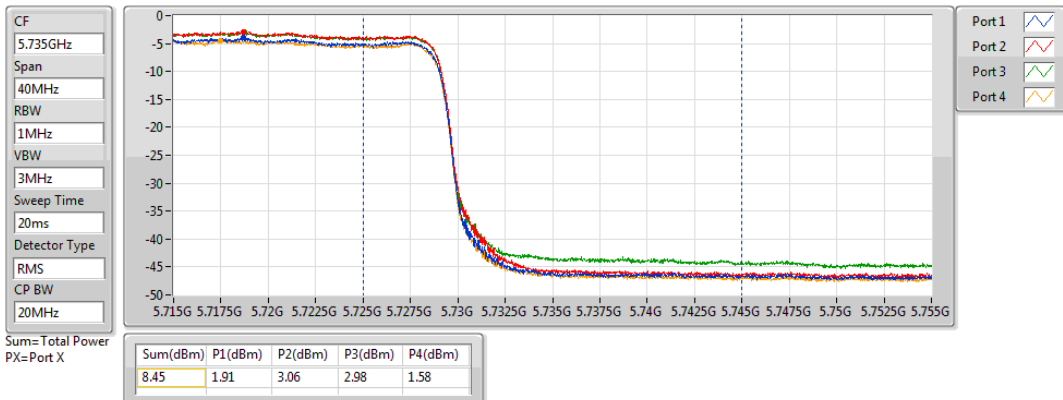


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

10/05/2019

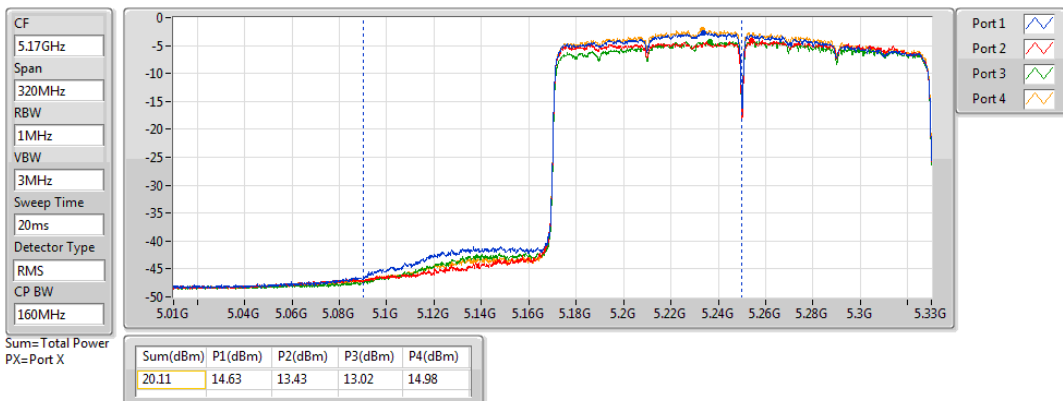


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

10/05/2019

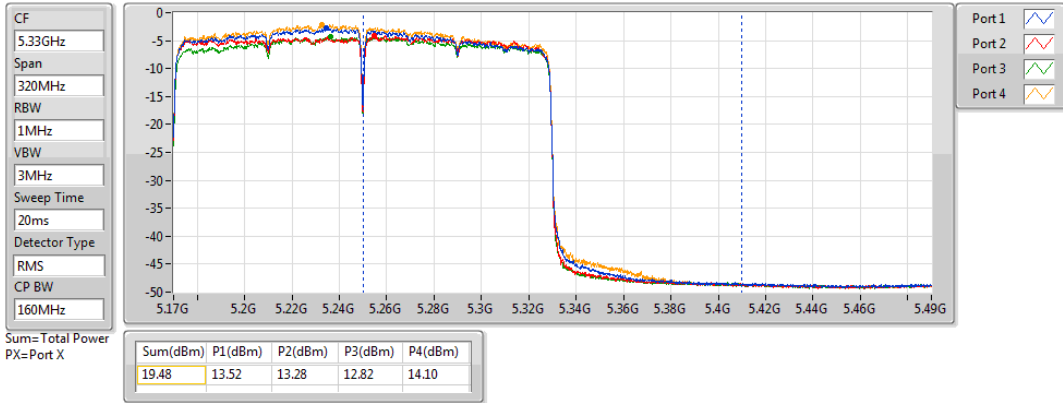


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

10/05/2019



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ac VHT160_Nss1,(MCS0)_4TX	-2.01
802.11ax HEW160_Nss1,(MCS0)_4TX	-1.90
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	1.28
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	1.14
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	9.33
802.11ac VHT20_Nss1,(MCS0)_4TX	9.37
802.11ac VHT40_Nss1,(MCS0)_4TX	7.22
802.11ac VHT80_Nss1,(MCS0)_4TX	3.20
802.11ac VHT160_Nss1,(MCS0)_4TX	-2.39
802.11ax HEW20_Nss1,(MCS0)_4TX	9.36
802.11ax HEW40_Nss1,(MCS0)_4TX	7.44
802.11ax HEW80_Nss1,(MCS0)_4TX	3.44
802.11ax HEW160_Nss1,(MCS0)_4TX	-2.10
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	8.64
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	5.90
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	2.93
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	0.86
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	8.78
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	5.97
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.01
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.97
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	9.19
802.11ac VHT20_Nss1,(MCS0)_4TX	9.12
802.11ac VHT40_Nss1,(MCS0)_4TX	7.51
802.11ac VHT80_Nss1,(MCS0)_4TX	4.31
802.11ac VHT160_Nss1,(MCS0)_4TX	0.29
802.11ax HEW20_Nss1,(MCS0)_4TX	9.17
802.11ax HEW40_Nss1,(MCS0)_4TX	7.77
802.11ax HEW80_Nss1,(MCS0)_4TX	4.79
802.11ax HEW160_Nss1,(MCS0)_4TX	0.51
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	8.58
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	5.91
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	2.72
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	0.25
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	8.61
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	5.84
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.12
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.24
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	7.43
802.11ac VHT20_Nss1,(MCS0)_4TX	7.17

Mode	PD (dBm/RBW)
802.11ac VHT40_Nss1,(MCS0)_4TX	5.35
802.11ac VHT80_Nss1,(MCS0)_4TX	1.43
802.11ax HEW20_Nss1,(MCS0)_4TX	7.68
802.11ax HEW40_Nss1,(MCS0)_4TX	5.67
802.11ax HEW80_Nss1,(MCS0)_4TX	1.96
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	6.94
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	3.64
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	0.05
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	6.88
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.02
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.34

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)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.61	3.70	3.42	2.77	3.74	9.26	9.39
5300MHz	Pass	7.61	3.96	2.64	2.64	3.87	9.18	9.39
5320MHz	Pass	7.61	4.17	2.46	2.58	4.27	9.33	9.39
5500MHz	Pass	7.78	2.33	3.60	3.94	2.86	9.15	9.22
5580MHz	Pass	7.78	2.28	3.53	4.00	2.92	9.11	9.22
5700MHz	Pass	7.78	3.07	3.58	3.92	2.36	9.16	9.22
5720MHz Straddle 5.47-5.725GHz	Pass	7.78	3.20	3.77	3.84	2.06	9.19	9.22
5720MHz Straddle 5.725-5.85GHz	Pass	7.78	1.42	1.92	2.22	0.38	7.43	28.22
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.61	3.84	3.47	2.61	3.79	9.28	9.39
5300MHz	Pass	7.61	4.14	2.77	2.39	4.37	9.37	9.39
5320MHz	Pass	7.61	3.97	2.66	2.19	4.68	9.37	9.39
5500MHz	Pass	7.78	2.25	3.76	3.86	2.67	9.12	9.22
5580MHz	Pass	7.78	1.97	3.46	3.66	2.67	8.93	9.22
5700MHz	Pass	7.78	0.71	1.22	1.39	0.33	6.91	9.22
5720MHz Straddle 5.47-5.725GHz	Pass	7.78	3.24	3.67	3.76	1.81	9.12	9.22
5720MHz Straddle 5.725-5.85GHz	Pass	7.78	1.24	1.65	1.87	0.06	7.17	28.22
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.61	1.86	1.18	0.47	1.53	7.22	9.39
5310MHz	Pass	7.61	1.61	0.32	-0.04	1.64	6.79	9.39
5510MHz	Pass	7.78	0.97	1.46	1.97	0.62	7.25	9.22
5550MHz	Pass	7.78	0.87	1.52	2.19	0.47	7.27	9.22
5670MHz	Pass	7.78	0.99	1.67	1.68	-0.00	7.08	9.22
5710MHz Straddle 5.47-5.725GHz	Pass	7.78	1.43	2.09	2.13	0.29	7.51	9.22
5710MHz Straddle 5.725-5.85GHz	Pass	7.78	-0.85	-0.14	0.05	-1.82	5.35	28.22
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.61	-2.41	-3.54	-2.09	-2.09	3.20	9.39
5530MHz	Pass	7.78	-2.09	-1.06	-0.80	-2.80	4.31	9.22
5610MHz	Pass	7.78	-2.48	-1.43	-1.00	-2.54	4.11	9.22
5690MHz Straddle 5.47-5.725GHz	Pass	7.78	-1.98	-1.10	-1.15	-2.86	4.26	9.22
5690MHz Straddle 5.725-5.85GHz	Pass	7.78	-4.69	-4.14	-3.88	-5.24	1.43	28.22
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.61	-7.38	-8.49	-9.54	-7.10	-2.01	15.39
5250MHz Straddle 5.25-5.35GHz	Pass	7.61	-7.87	-8.41	-9.57	-7.51	-2.39	9.39
5570MHz	Pass	7.78	-5.59	-5.38	-5.29	-6.38	0.29	9.22
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.61	3.97	3.46	3.05	2.79	9.22	9.39
5300MHz	Pass	7.61	4.54	2.84	3.02	2.97	9.31	9.39
5320MHz	Pass	7.61	4.09	2.59	2.17	4.62	9.36	9.39
5500MHz	Pass	7.78	2.36	3.72	3.83	2.84	9.17	9.22
5580MHz	Pass	7.78	2.34	3.56	3.81	2.77	9.08	9.22
5700MHz	Pass	7.78	0.84	1.17	1.51	0.02	6.88	9.22
5720MHz Straddle 5.47-5.725GHz	Pass	7.78	3.18	3.54	3.72	1.80	9.09	9.22

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5720MHz Straddle 5.725-5.85GHz	Pass	7.78	1.47	2.11	2.19	1.05	7.68	28.22
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.61	2.06	1.35	0.61	1.97	7.44	9.39
5310MHz	Pass	7.61	1.65	0.67	-0.03	1.76	6.93	9.39
5510MHz	Pass	7.78	1.09	1.84	2.30	0.72	7.47	9.22
5550MHz	Pass	7.78	1.19	1.70	2.44	0.54	7.44	9.22
5670MHz	Pass	7.78	1.09	1.78	2.03	0.12	7.26	9.22
5710MHz Straddle 5.47-5.725GHz	Pass	7.78	1.82	2.29	2.36	0.43	7.77	9.22
5710MHz Straddle 5.725-5.85GHz	Pass	7.78	-0.58	0.25	0.38	-1.47	5.67	28.22
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.61	-2.22	-3.10	-1.95	-1.86	3.44	9.39
5530MHz	Pass	7.78	-1.51	-0.80	-0.27	-2.13	4.77	9.22
5610MHz	Pass	7.78	-1.90	-0.84	-0.64	-2.06	4.61	9.22
5690MHz Straddle 5.47-5.725GHz	Pass	7.78	-1.46	-0.57	-0.46	-2.26	4.79	9.22
5690MHz Straddle 5.725-5.85GHz	Pass	7.78	-4.27	-3.67	-3.44	-4.85	1.96	28.22
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.61	-7.45	-8.27	-9.26	-6.83	-1.90	15.39
5250MHz Straddle 5.25-5.35GHz	Pass	7.61	-7.56	-8.24	-9.59	-7.33	-2.10	9.39
5570MHz	Pass	7.78	-5.35	-5.04	-4.93	-6.12	0.51	9.22
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.61	3.08	2.86	1.87	3.24	8.64	9.39
5300MHz	Pass	7.61	3.21	2.04	1.25	3.46	8.46	9.39
5320MHz	Pass	7.61	3.29	1.86	1.34	3.76	8.54	9.39
5500MHz	Pass	7.78	1.21	2.68	2.75	1.83	8.07	9.22
5580MHz	Pass	7.78	1.49	2.79	3.02	1.74	8.25	9.22
5700MHz	Pass	7.78	1.96	2.79	2.88	1.33	8.20	9.22
5720MHz Straddle 5.47-5.725GHz	Pass	7.78	2.65	3.08	3.20	1.33	8.58	9.22
5720MHz Straddle 5.725-5.85GHz	Pass	7.78	1.04	1.46	1.62	-0.25	6.94	28.22
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.61	0.20	-0.06	-0.80	0.33	5.87	9.39
5310MHz	Pass	7.61	0.46	-0.51	-0.86	0.59	5.90	9.39
5510MHz	Pass	7.78	-0.79	-0.22	0.21	-1.39	5.44	9.22
5550MHz	Pass	7.78	-0.85	-0.24	0.25	-1.77	5.34	9.22
5670MHz	Pass	7.78	-0.78	-0.12	-0.17	-1.66	5.26	9.22
5710MHz Straddle 5.47-5.725GHz	Pass	7.78	0.16	0.63	0.37	-1.62	5.91	9.22
5710MHz Straddle 5.725-5.85GHz	Pass	7.78	-2.34	-1.57	-1.78	-3.77	3.64	28.22
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.61	-2.78	-3.87	-2.52	-2.25	2.93	9.39
5530MHz	Pass	7.78	-3.70	-2.97	-2.56	-4.15	2.63	9.22
5610MHz	Pass	7.78	-4.29	-2.92	-2.93	-4.09	2.43	9.22
5690MHz Straddle 5.47-5.725GHz	Pass	7.78	-3.39	-2.42	-2.80	-4.12	2.72	9.22
5690MHz Straddle 5.725-5.85GHz	Pass	7.78	-6.39	-5.21	-5.34	-6.59	0.05	28.22
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.61	-4.13	-5.55	-5.75	-3.49	1.28	15.39
5250MHz Straddle 5.25-5.35GHz	Pass	7.61	-4.77	-5.44	-5.73	-4.36	0.86	9.39

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5570MHz	Pass	7.78	-5.69	-5.31	-5.30	-6.51	0.25	9.22
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.61	3.09	2.95	1.84	3.49	8.78	9.39
5300MHz	Pass	7.61	3.43	2.22	1.47	3.64	8.68	9.39
5320MHz	Pass	7.61	3.46	1.83	1.56	3.83	8.68	9.39
5500MHz	Pass	7.78	1.32	2.60	2.87	1.90	8.18	9.22
5580MHz	Pass	7.78	1.47	2.69	2.93	1.76	8.20	9.22
5700MHz	Pass	7.78	2.15	2.71	2.74	1.30	8.17	9.22
5720MHz Straddle 5.47-5.725GHz	Pass	7.78	2.72	3.12	3.31	1.27	8.61	9.22
5720MHz Straddle 5.725-5.85GHz	Pass	7.78	0.92	1.31	1.60	-0.36	6.88	28.22
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.61	0.27	0.04	-0.75	0.39	5.92	9.39
5310MHz	Pass	7.61	0.63	-0.40	-0.90	0.76	5.97	9.39
5510MHz	Pass	7.78	-0.88	-0.08	0.17	-1.39	5.44	9.22
5550MHz	Pass	7.78	-0.80	-0.16	0.41	-1.74	5.41	9.22
5670MHz	Pass	7.78	-0.78	0.10	-0.11	-1.65	5.37	9.22
5710MHz Straddle 5.47-5.725GHz	Pass	7.78	-0.09	0.67	0.37	-1.59	5.84	9.22
5710MHz Straddle 5.725-5.85GHz	Pass	7.78	-1.98	-1.27	-1.53	-3.47	4.02	28.22
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.61	-2.77	-3.56	-2.60	-2.15	3.01	9.39
5530MHz	Pass	7.78	-3.43	-2.65	-2.42	-3.84	2.89	9.22
5610MHz	Pass	7.78	-4.15	-2.65	-2.80	-3.89	2.60	9.22
5690MHz Straddle 5.47-5.725GHz	Pass	7.78	-3.10	-2.05	-2.45	-3.97	3.12	9.22
5690MHz Straddle 5.725-5.85GHz	Pass	7.78	-5.98	-4.99	-5.16	-6.18	0.34	28.22
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.61	-4.15	-5.82	-5.75	-3.80	1.14	15.39
5250MHz Straddle 5.25-5.35GHz	Pass	7.61	-4.74	-5.65	-5.82	-3.95	0.97	9.39
5570MHz	Pass	7.78	-5.63	-5.34	-5.07	-6.45	0.24	9.22

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

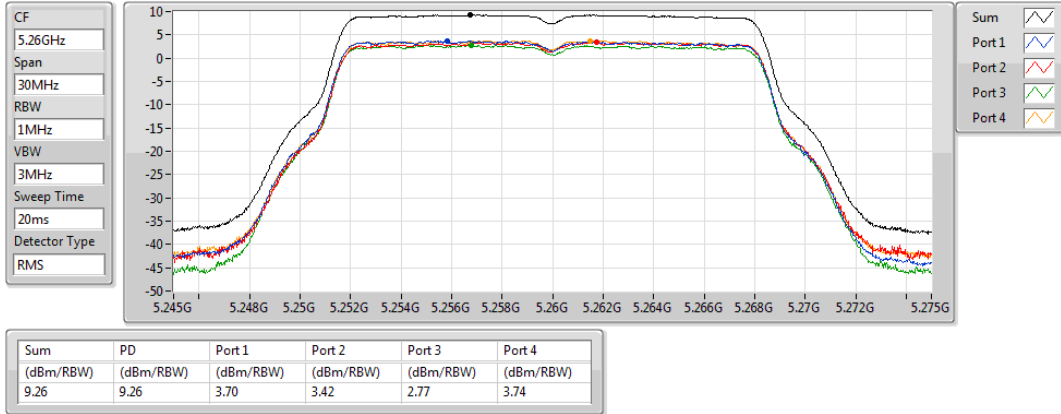
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_4TX

5260MHz

PSD

09/05/2019

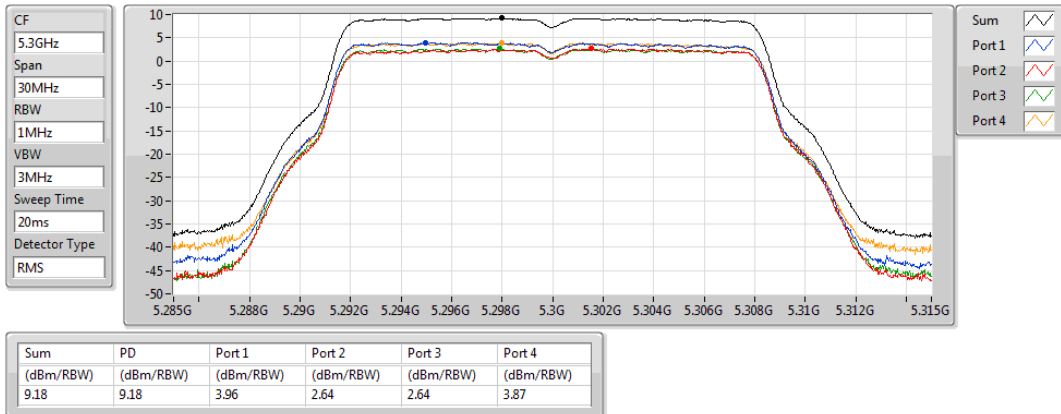


802.11a_Nss1,(6Mbps)_4TX

5300MHz

PSD

09/05/2019

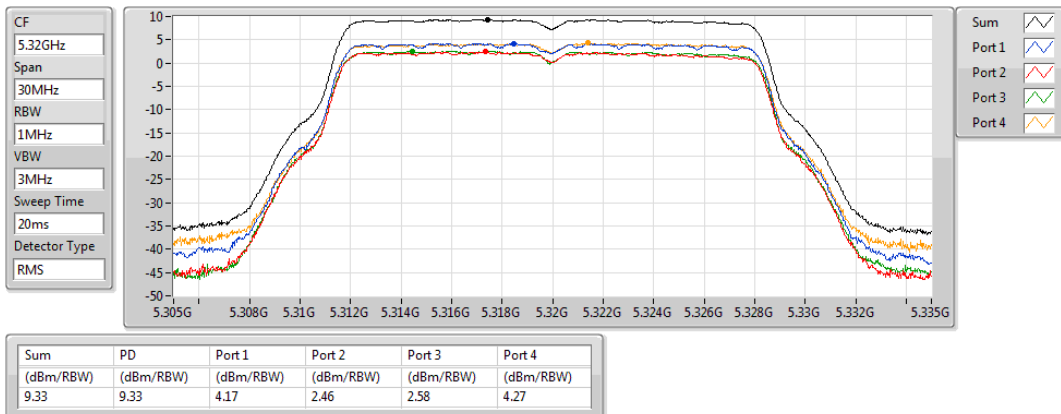


802.11a_Nss1,(6Mbps)_4TX

5320MHz

PSD

09/05/2019

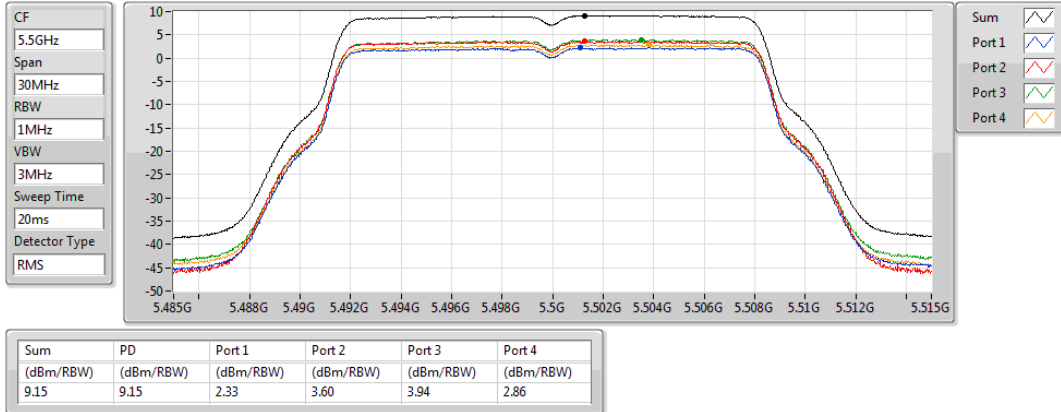


802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

10/05/2019

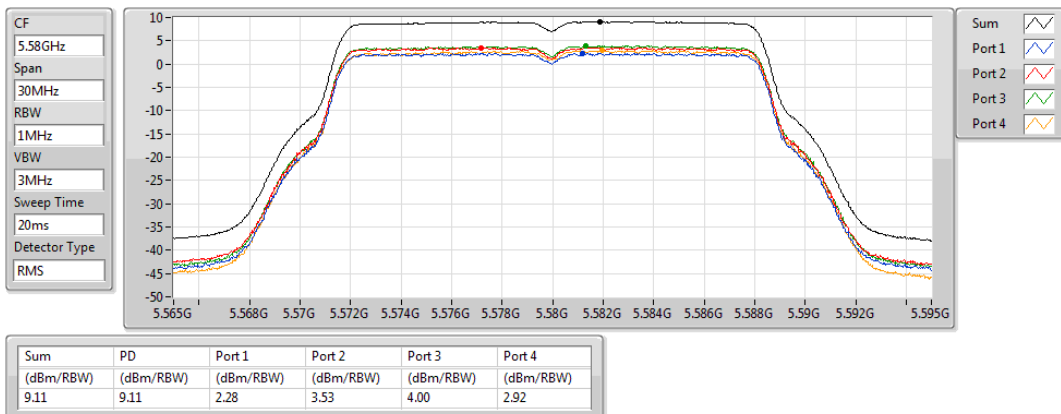


802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

10/05/2019

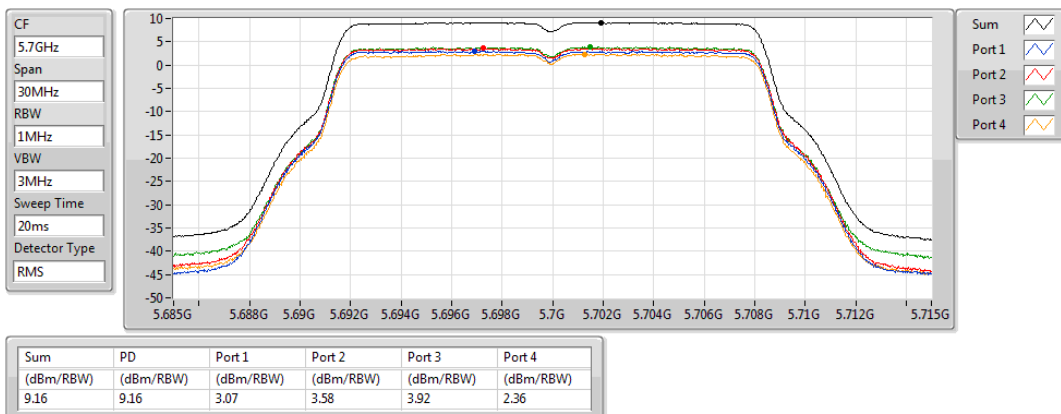


802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

10/05/2019

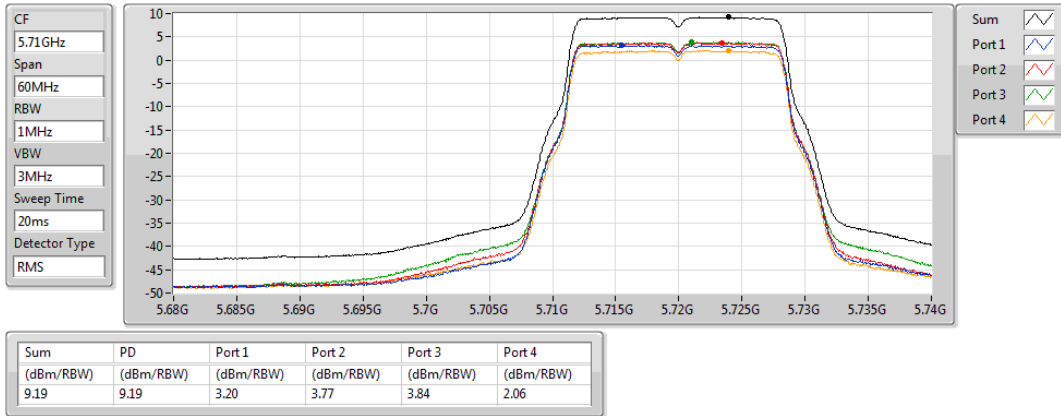


802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

10/05/2019

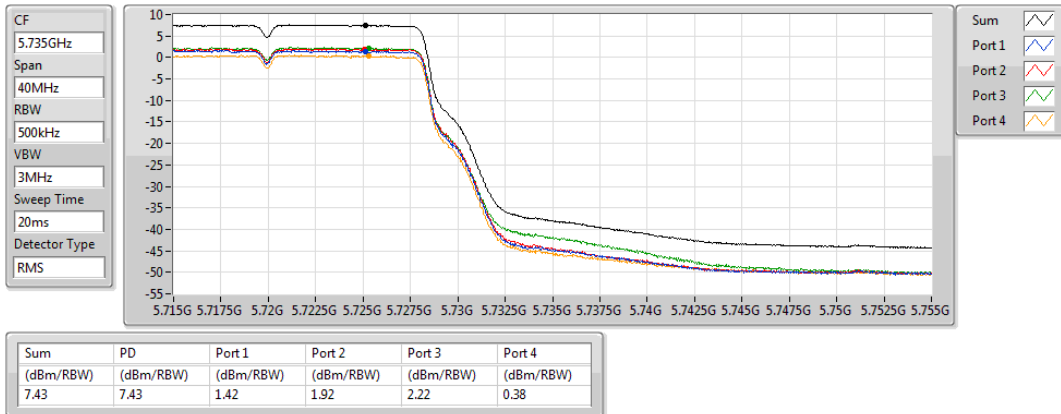


802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

10/05/2019

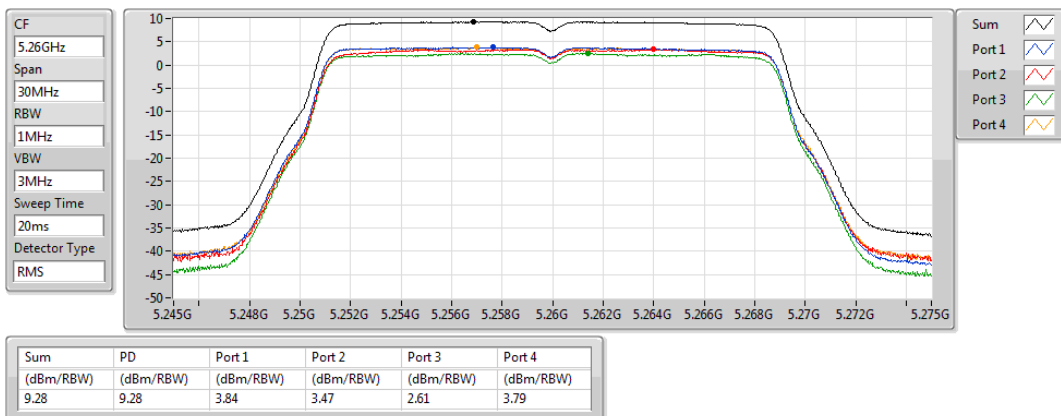


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5260MHz

10/05/2019

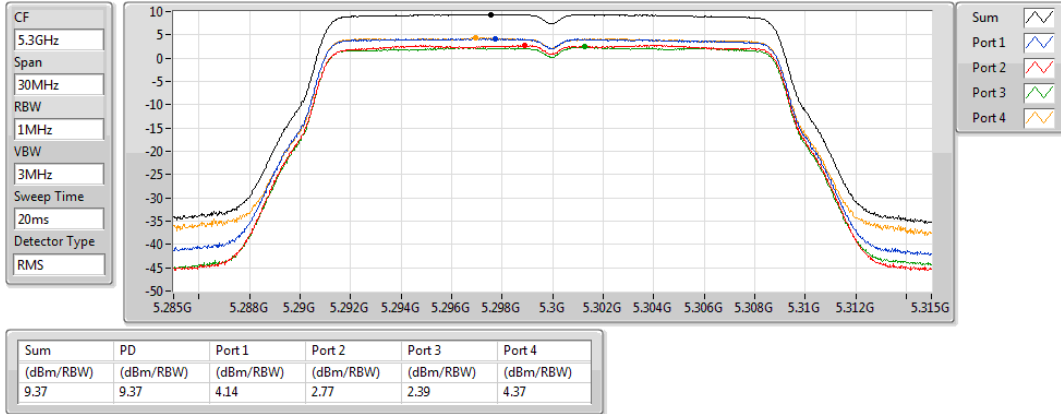


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5300MHz

10/05/2019

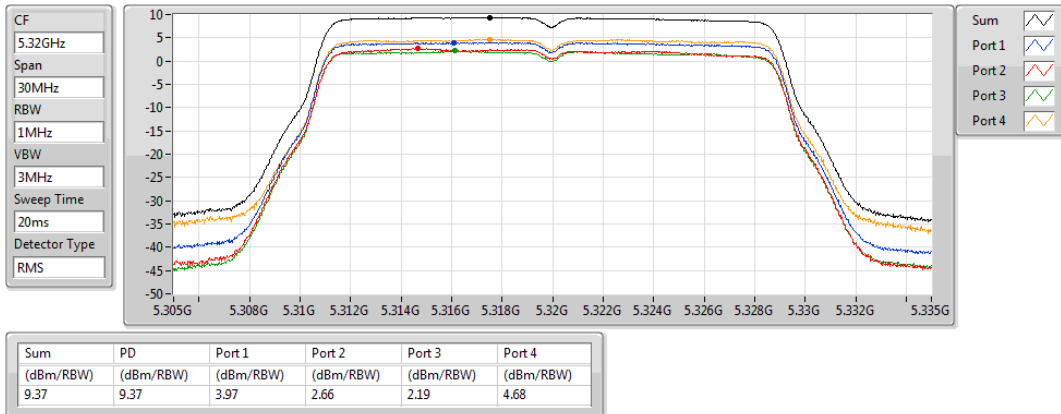


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5320MHz

10/05/2019

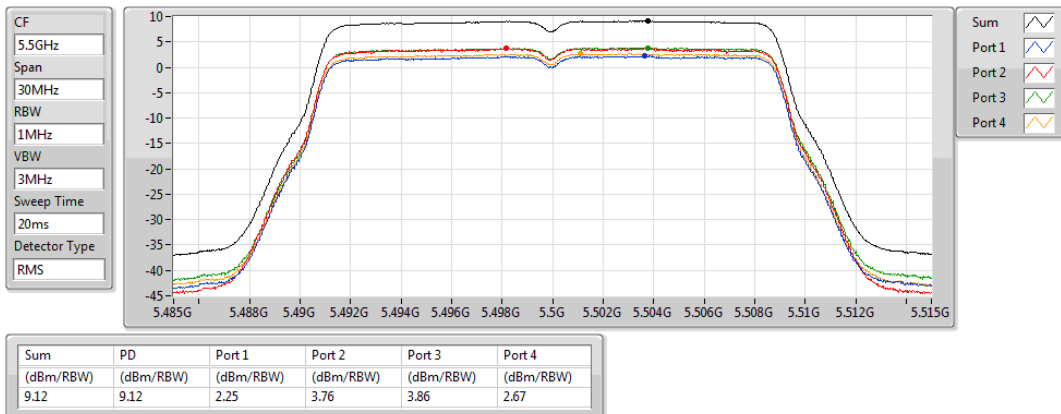


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5500MHz

10/05/2019

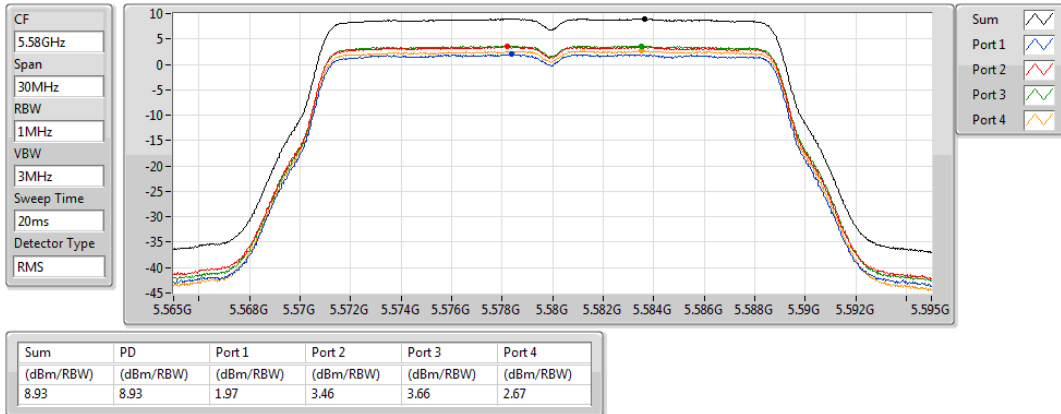


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5580MHz

10/05/2019

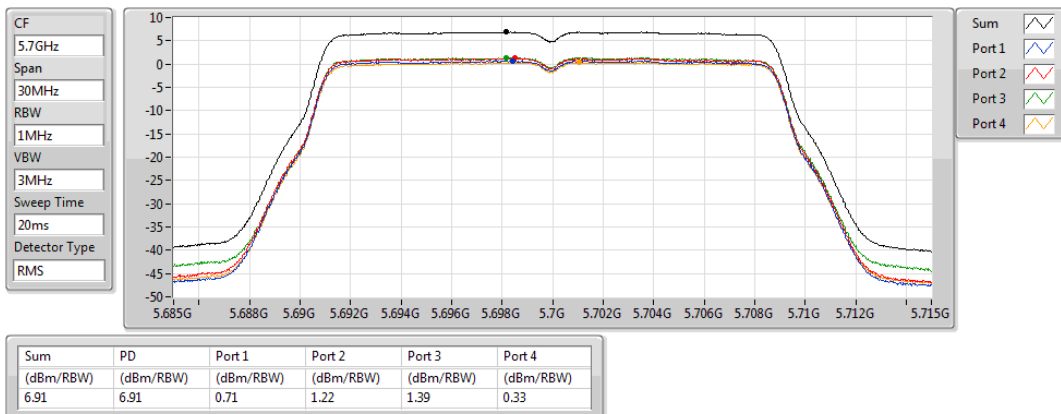


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5700MHz

10/05/2019

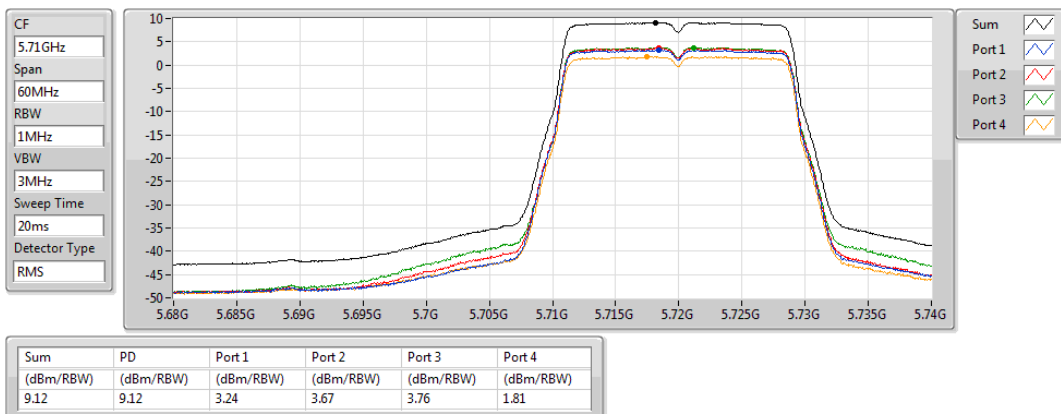


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

10/05/2019

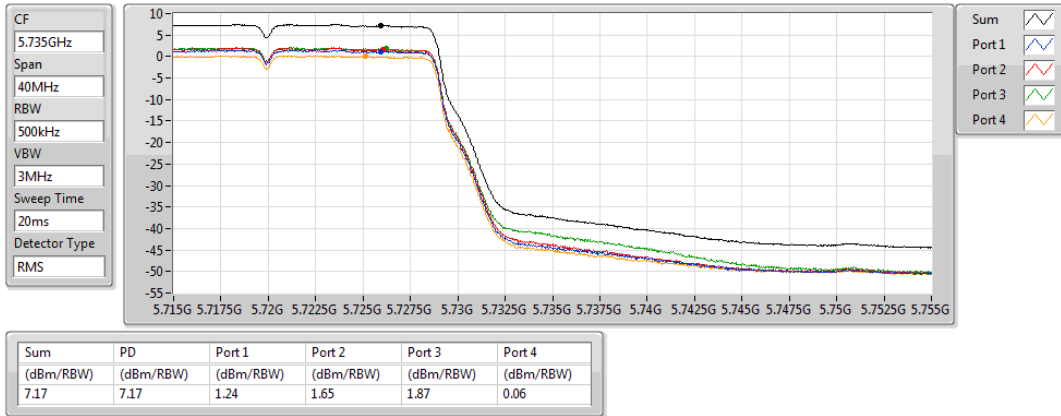


802.11ac VHT20_Nss1,(MCS0)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

10/05/2019

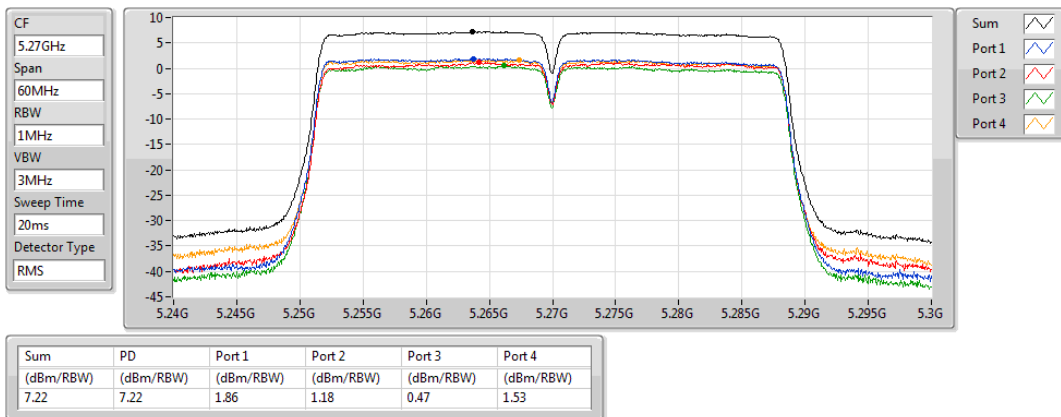


802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz

PSD

10/05/2019

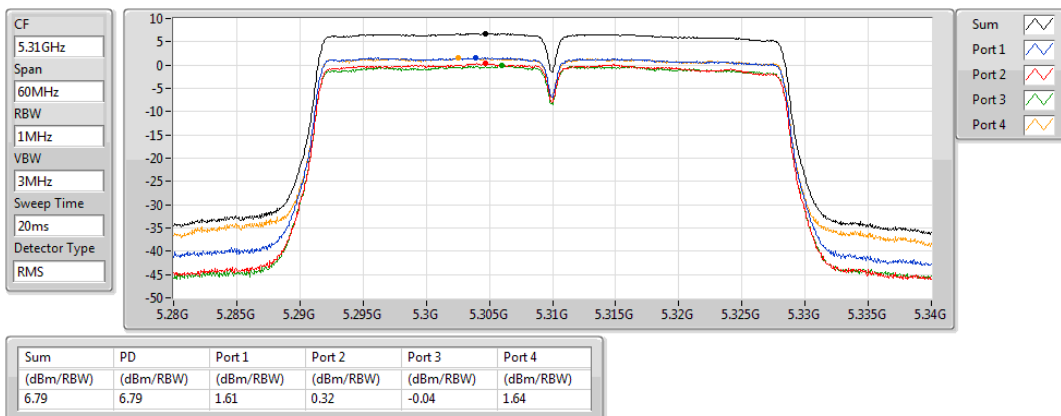


802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz

PSD

10/05/2019

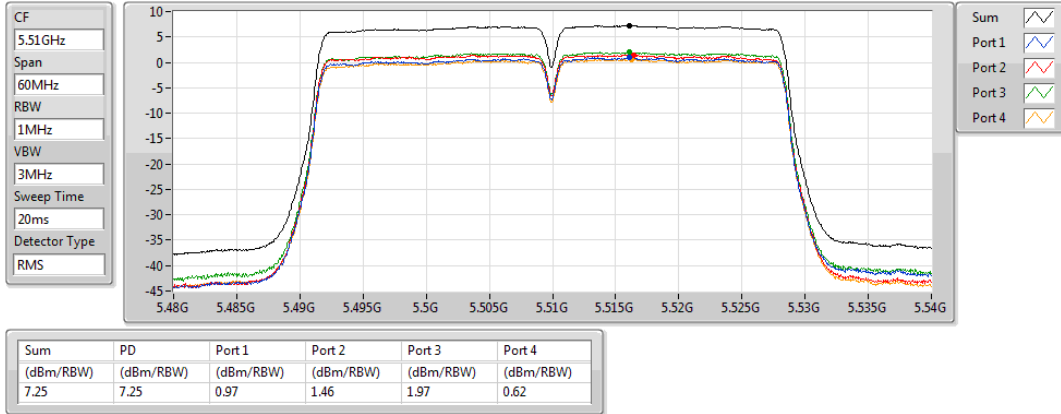


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5510MHz

10/05/2019

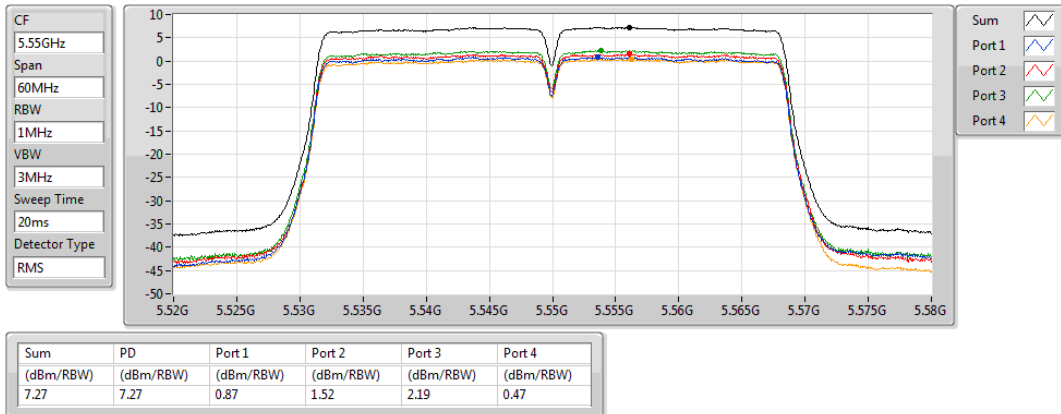


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5550MHz

10/05/2019

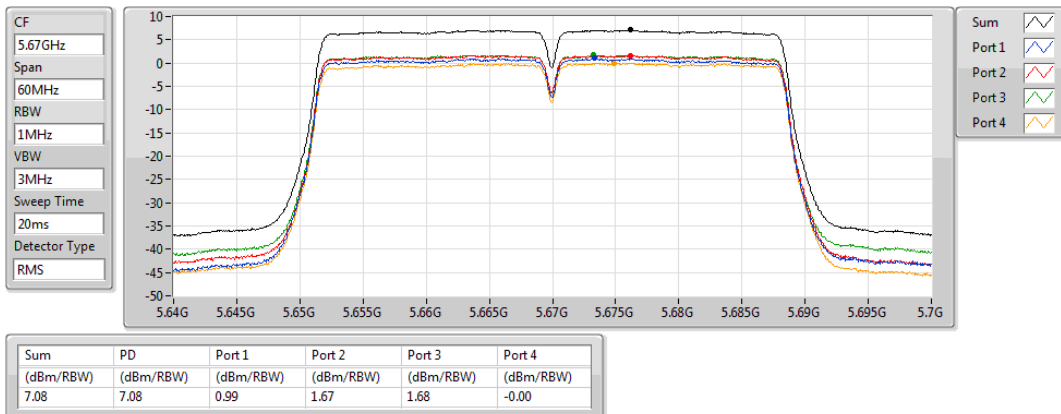


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5670MHz

10/05/2019

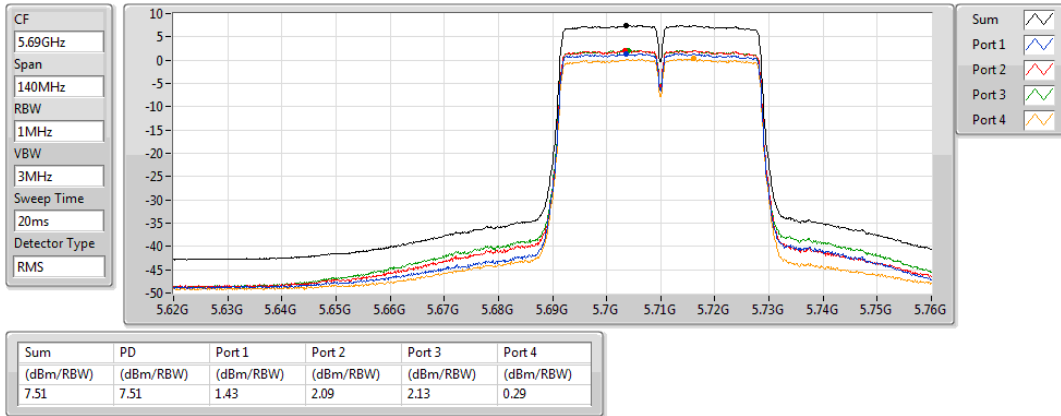


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

10/05/2019

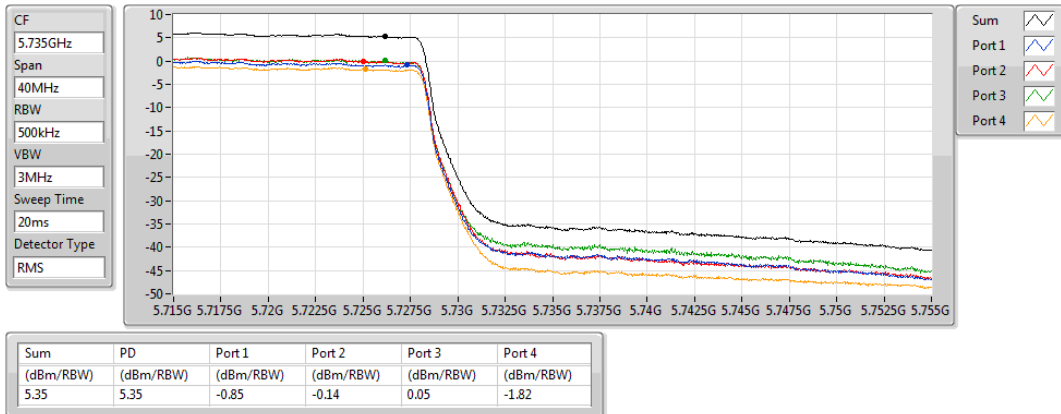


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

10/05/2019

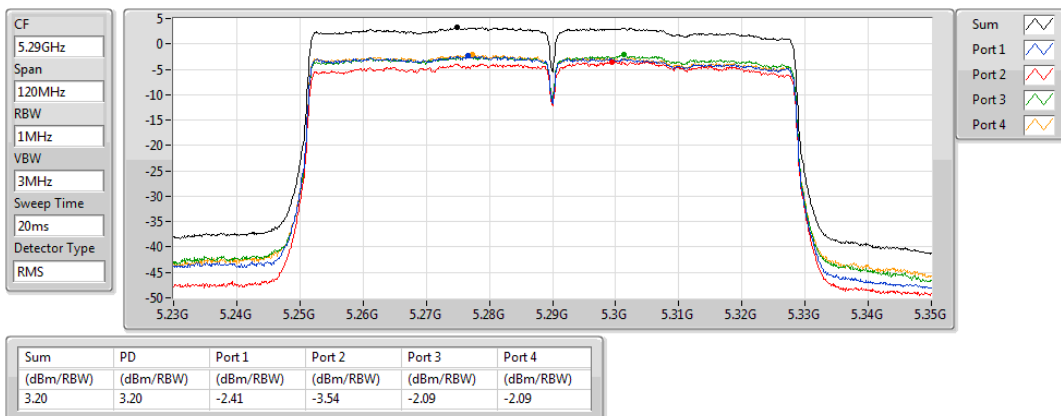


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5290MHz

10/05/2019

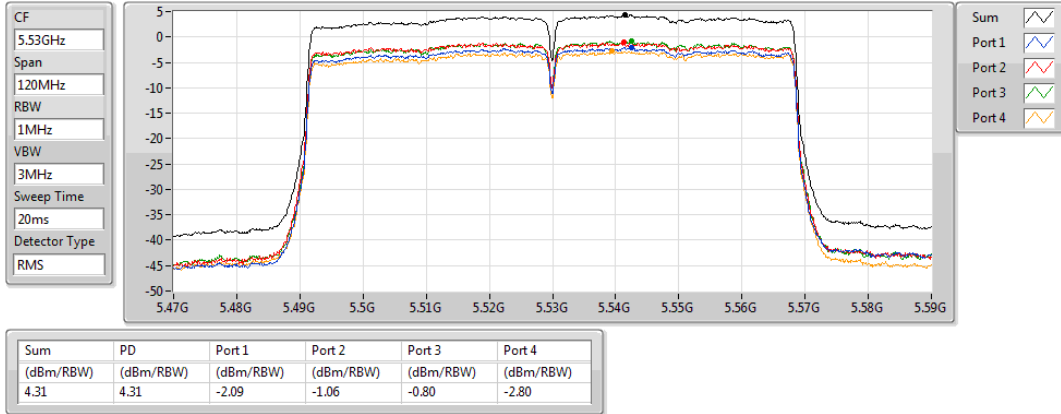


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5530MHz

10/05/2019

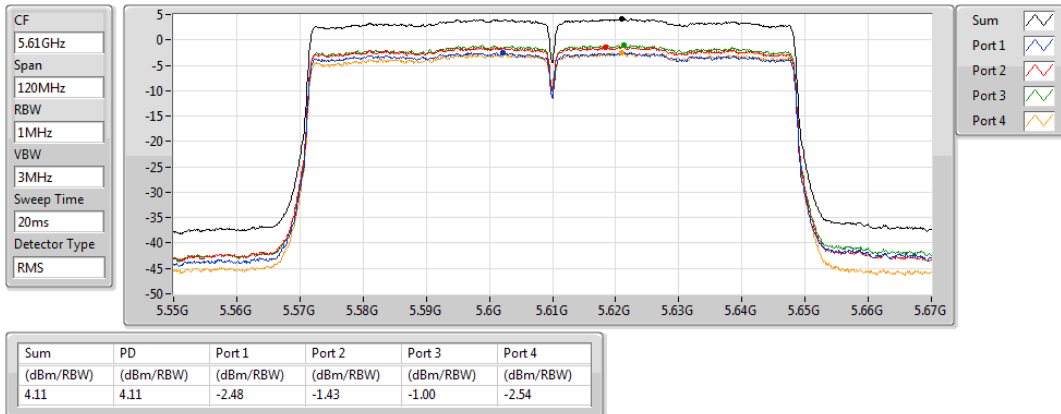


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5610MHz

10/05/2019

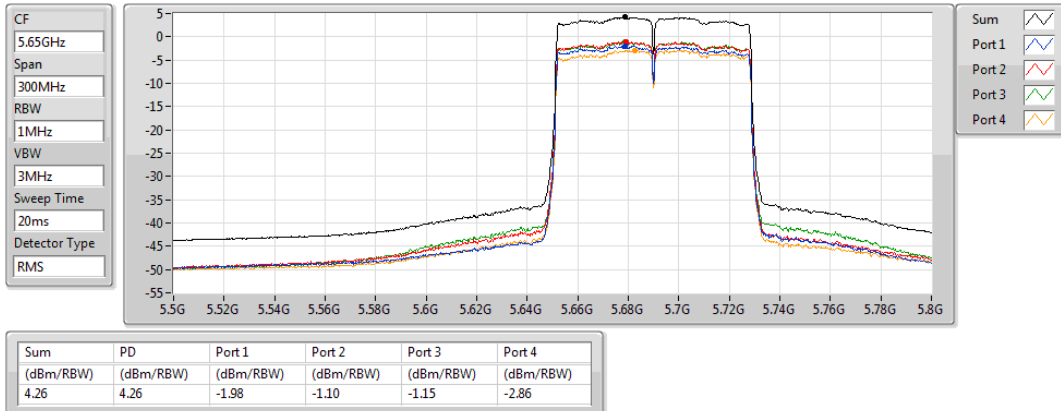


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

10/05/2019

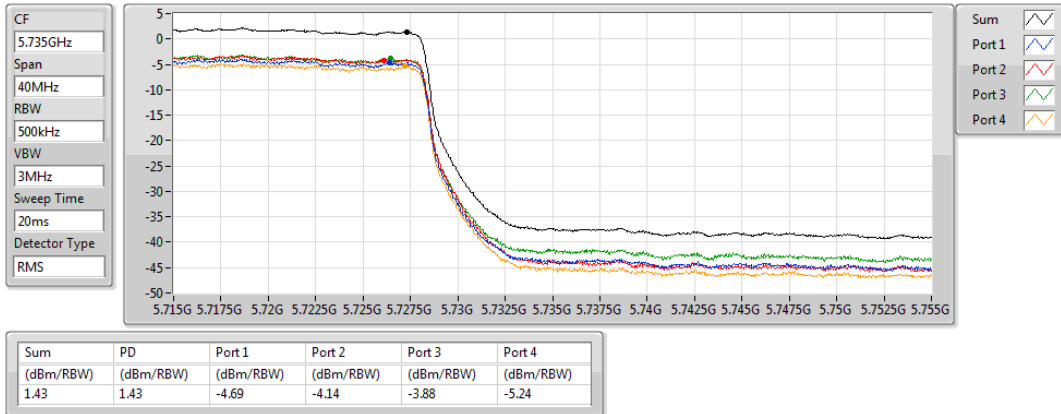


802.11ac VHT80_Nss1,(MCS0)_4TX

5690MHz Straddle 5.725-5.85GHz

PSD

10/05/2019

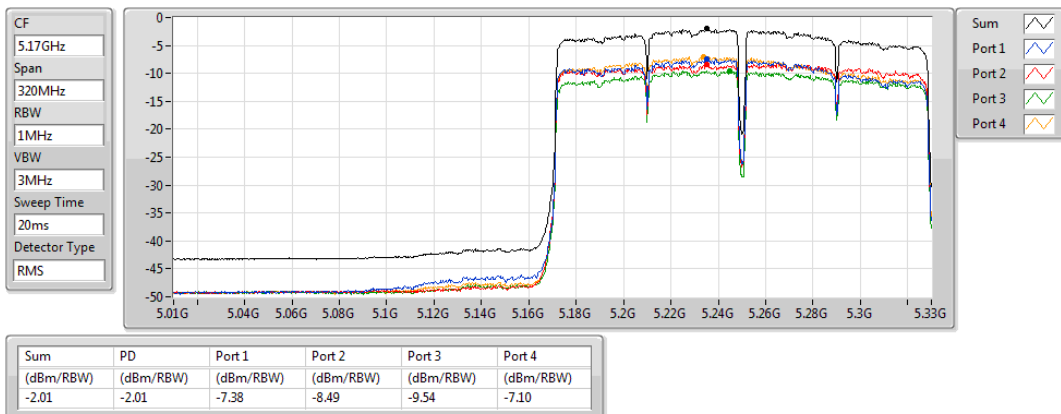


802.11ac VHT160_Nss1,(MCS0)_4TX

5250MHz Straddle 5.15-5.25GHz

PSD

28/05/2019

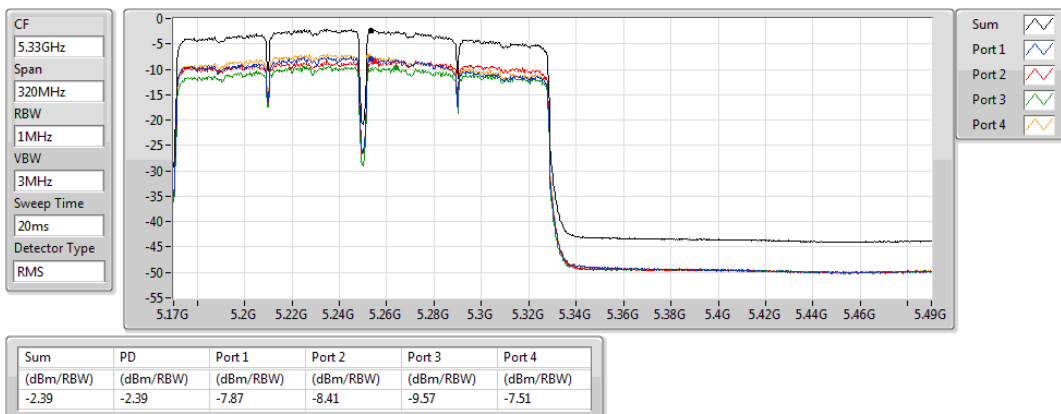


802.11ac VHT160_Nss1,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz

PSD

28/05/2019

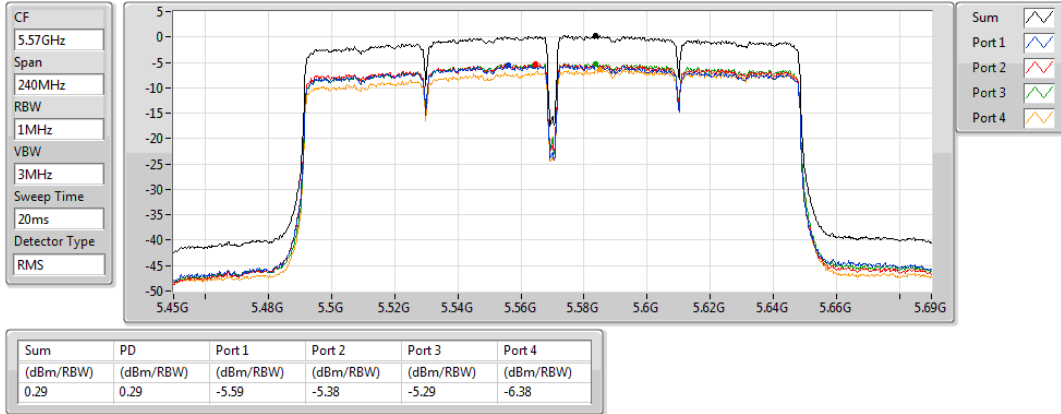


802.11ac VHT160_Nss1,(MCS0)_4TX

PSD

5570MHz

10/05/2019

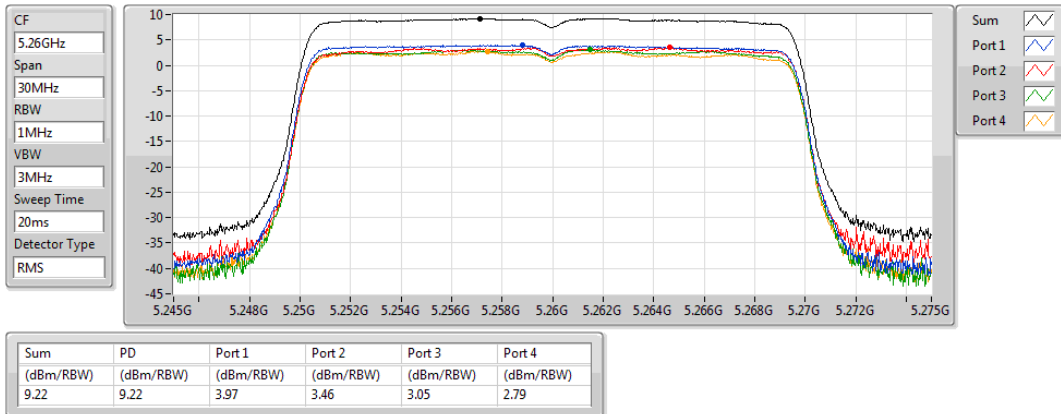


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5260MHz

10/05/2019

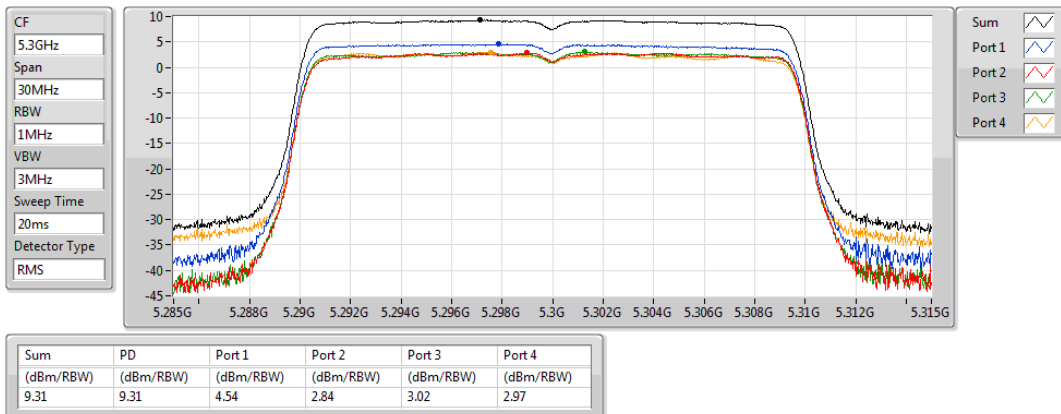


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5300MHz

10/05/2019

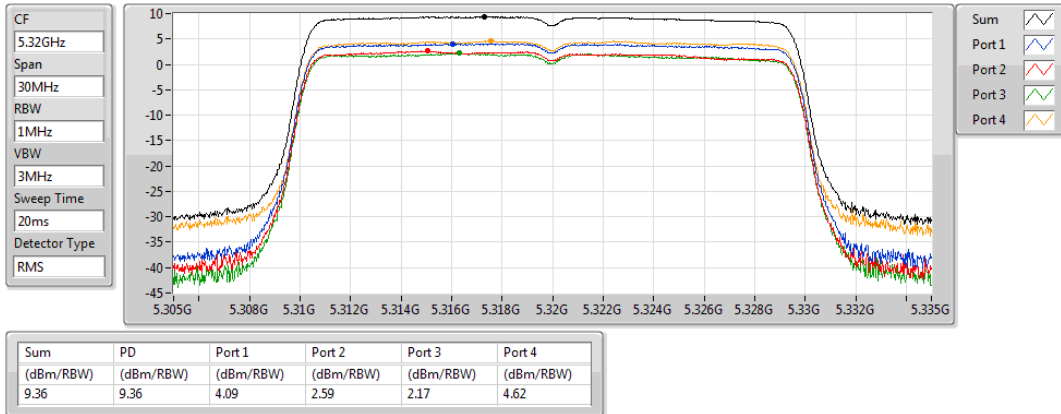


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

10/05/2019

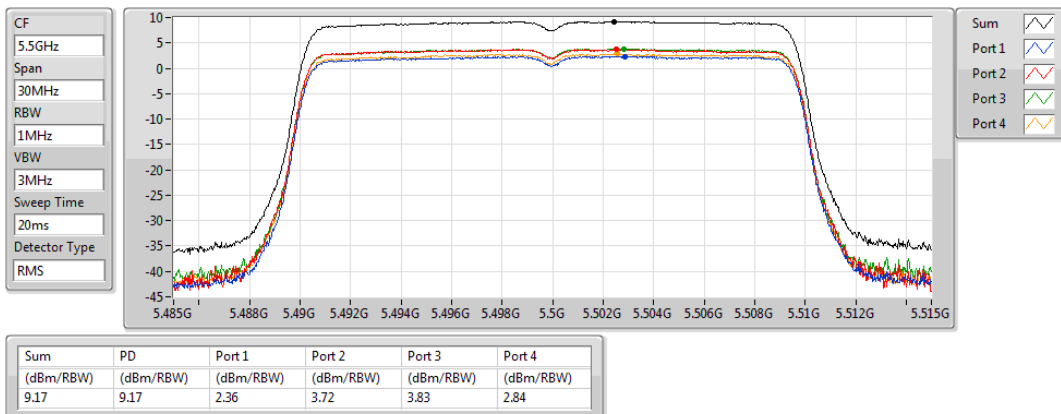


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

10/05/2019

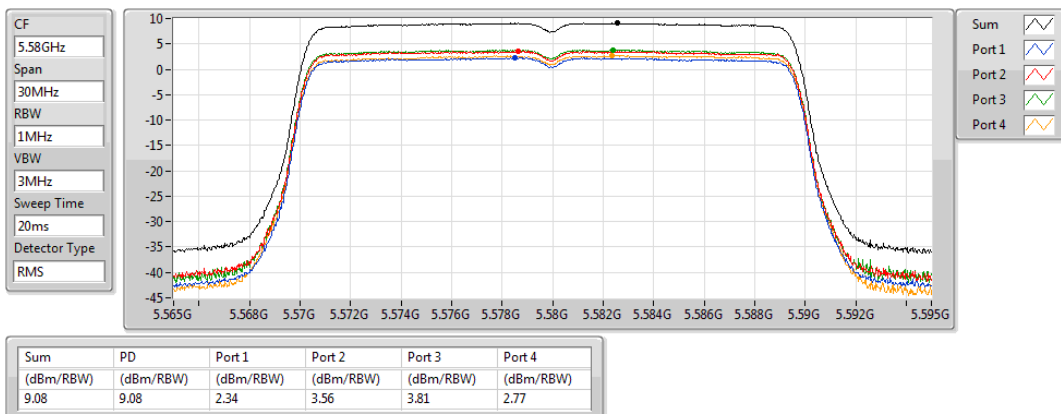


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

10/05/2019

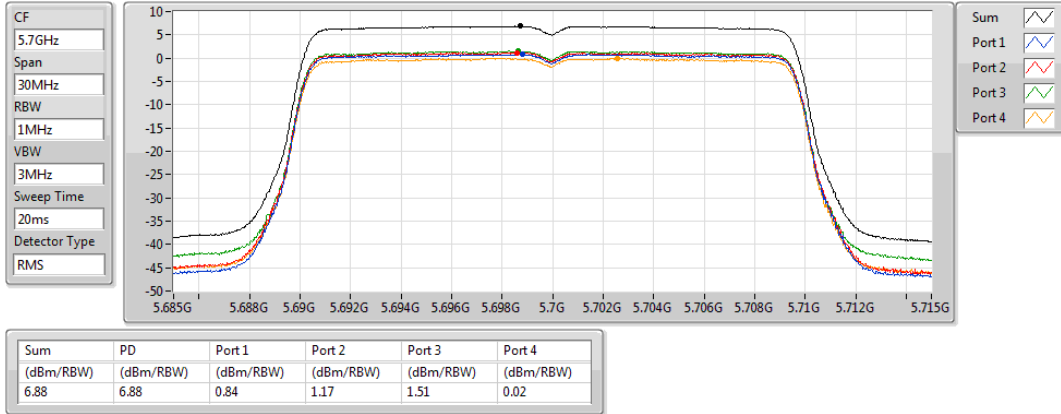


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5700MHz

10/05/2019

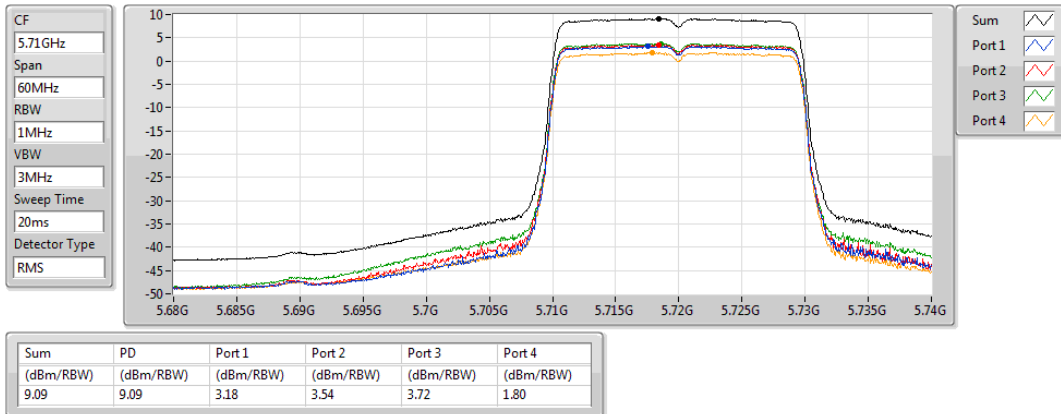


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

10/05/2019

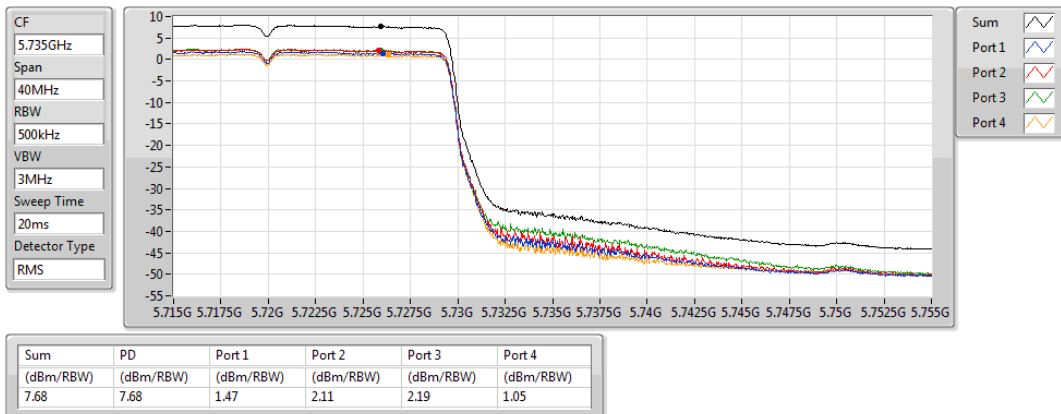


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

10/05/2019

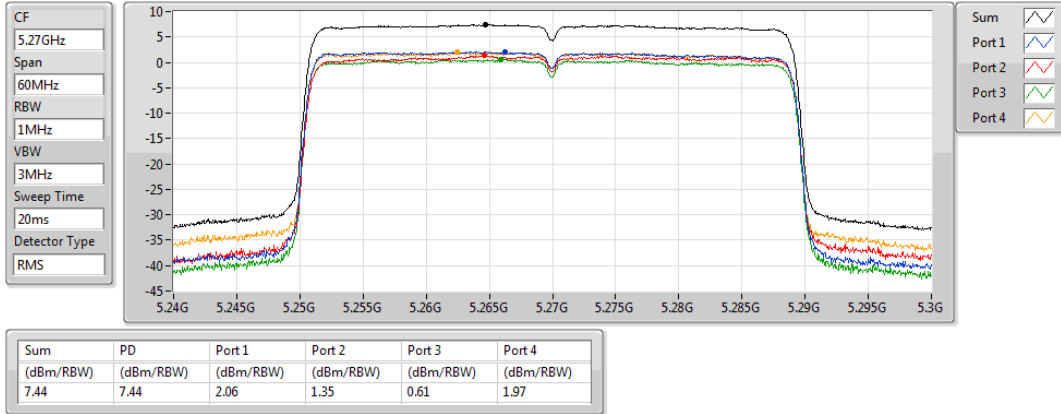


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5270MHz

10/05/2019

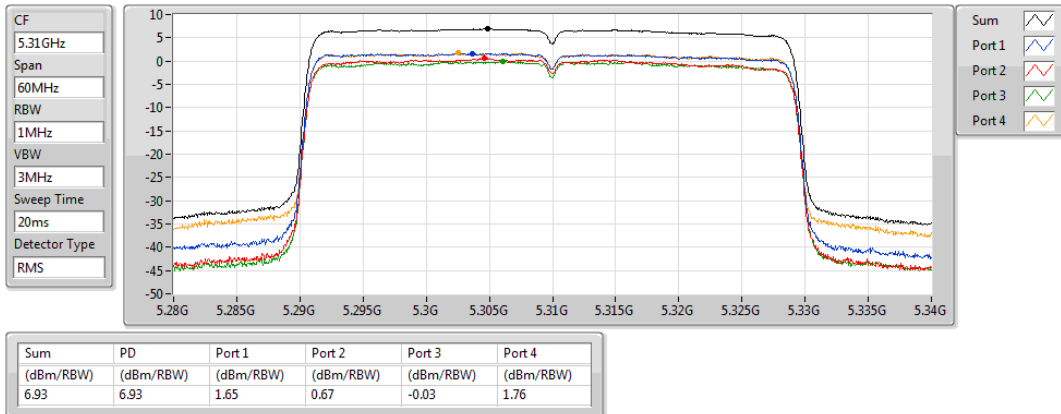


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5310MHz

10/05/2019

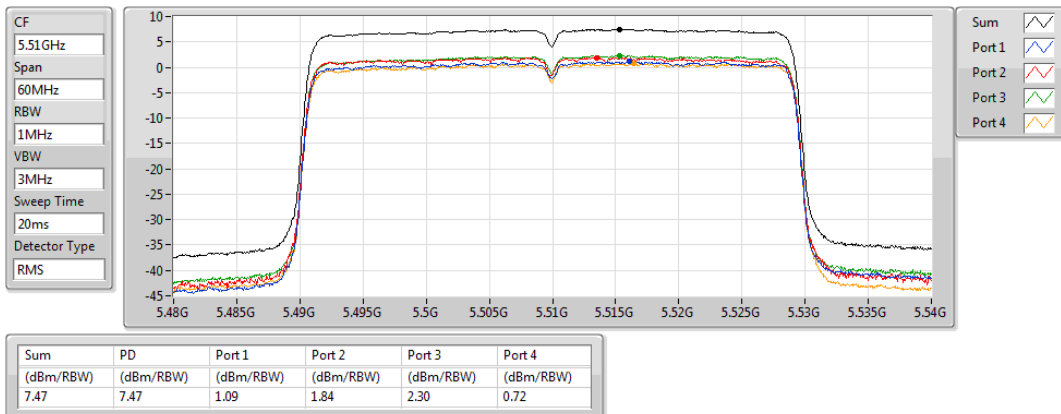


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5510MHz

10/05/2019

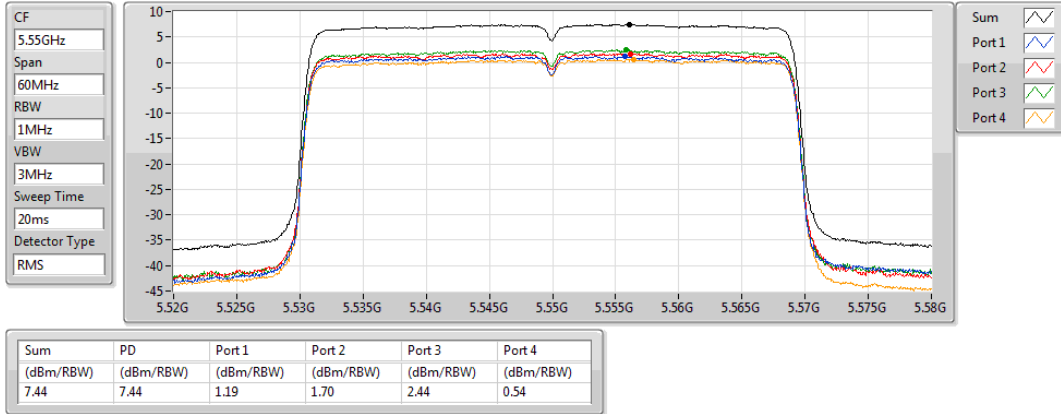


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5550MHz

10/05/2019

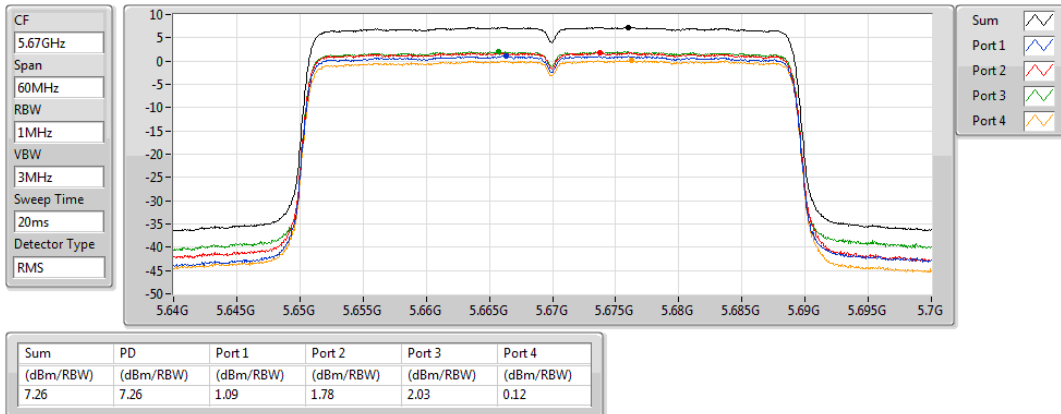


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5670MHz

10/05/2019

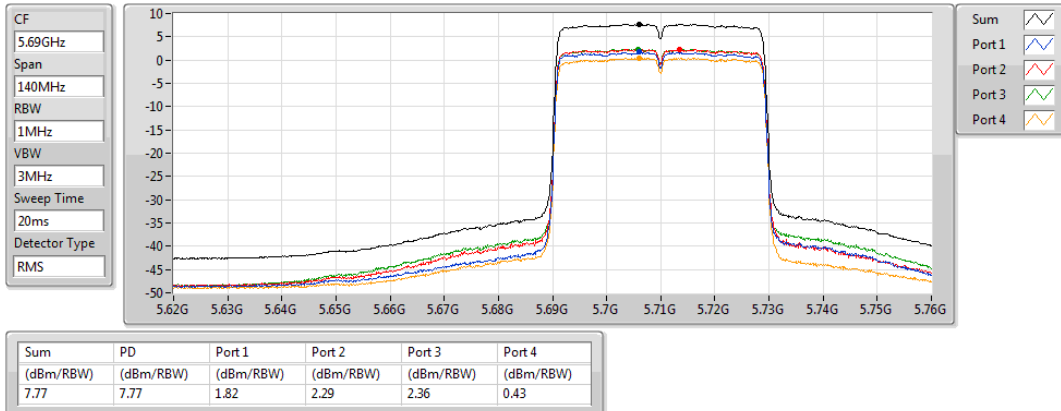


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

10/05/2019

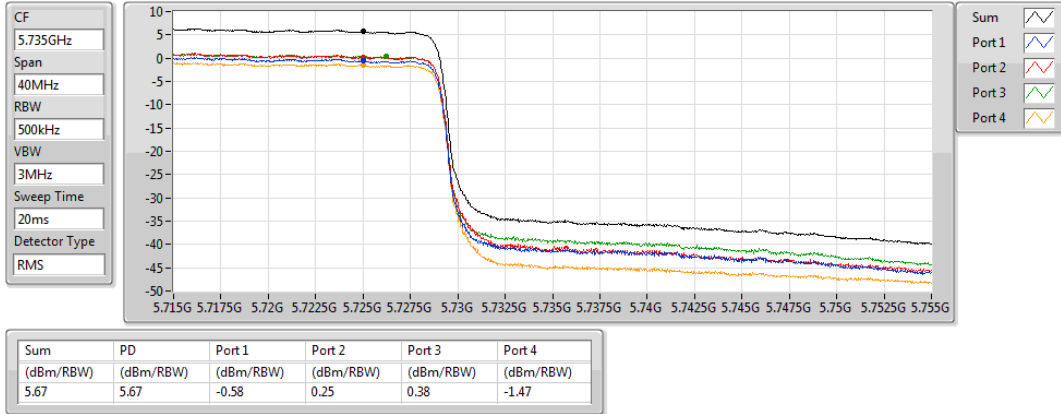


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

10/05/2019

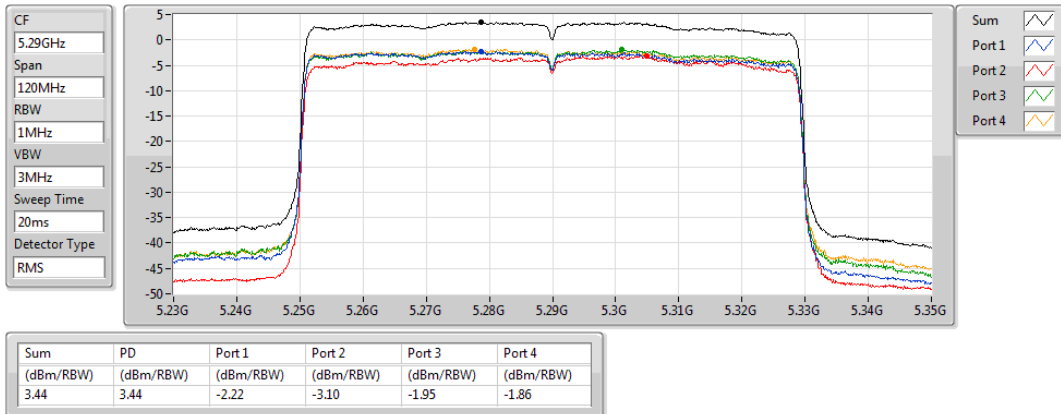


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

10/05/2019

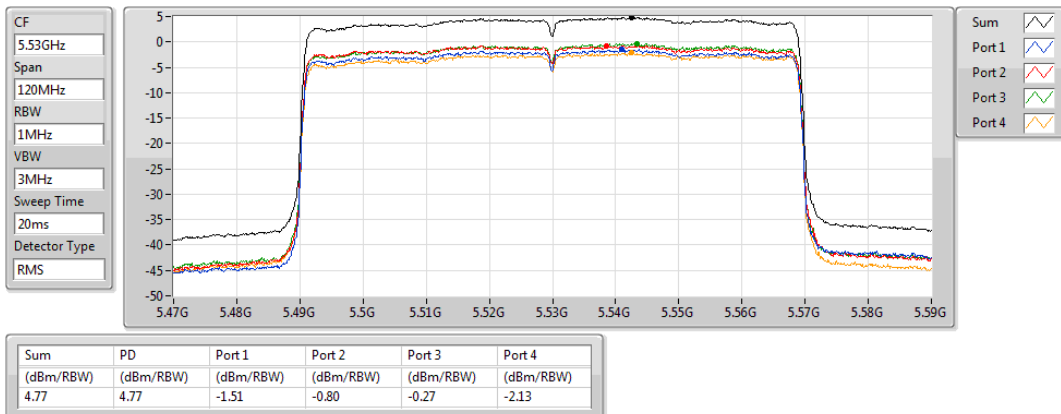


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5530MHz

10/05/2019

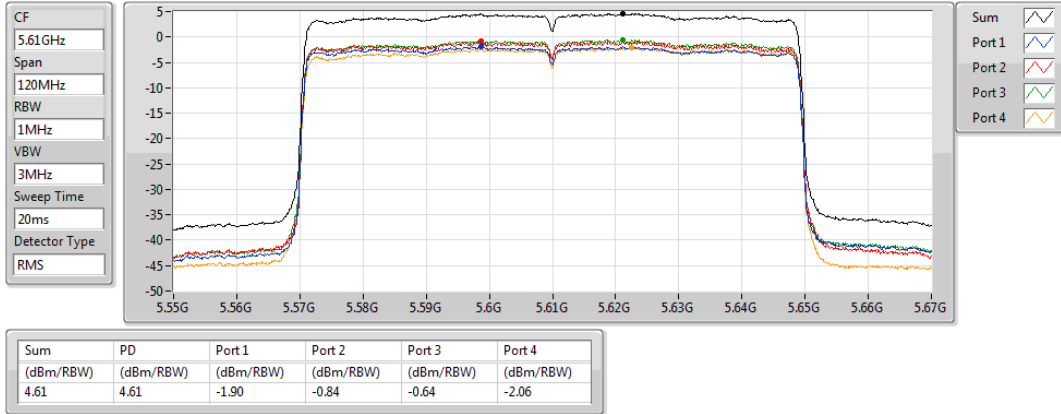


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5610MHz

10/05/2019

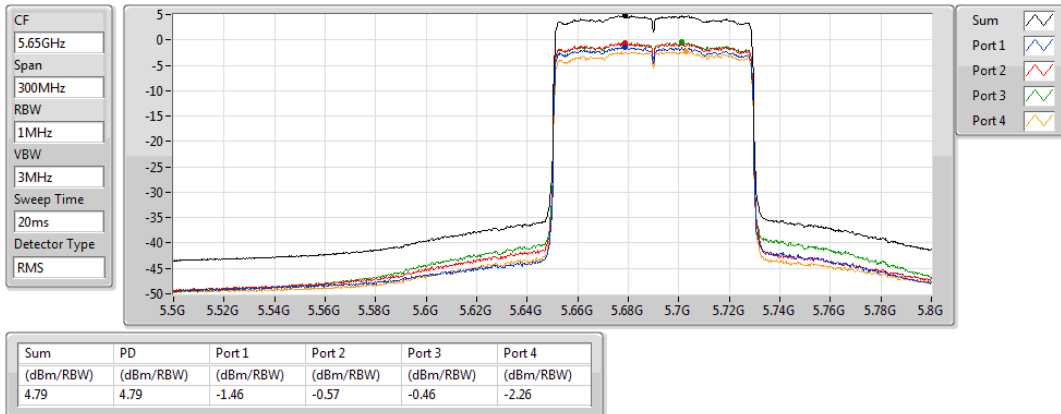


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

10/05/2019

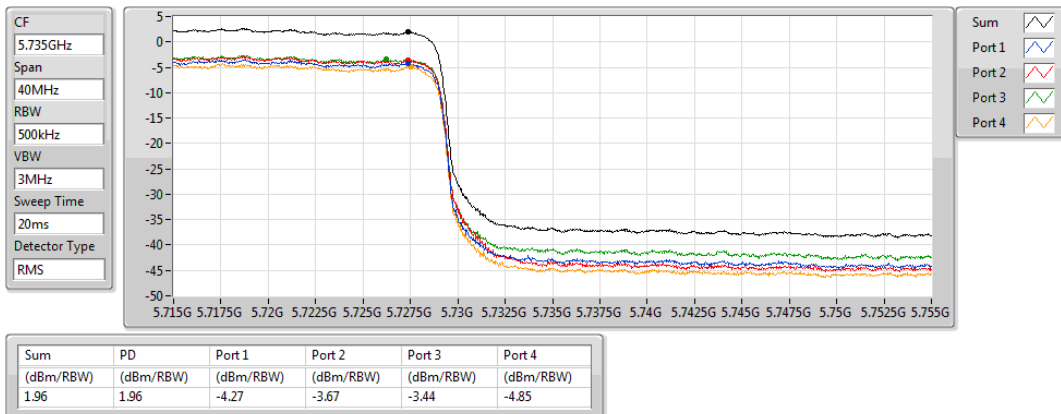


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

10/05/2019

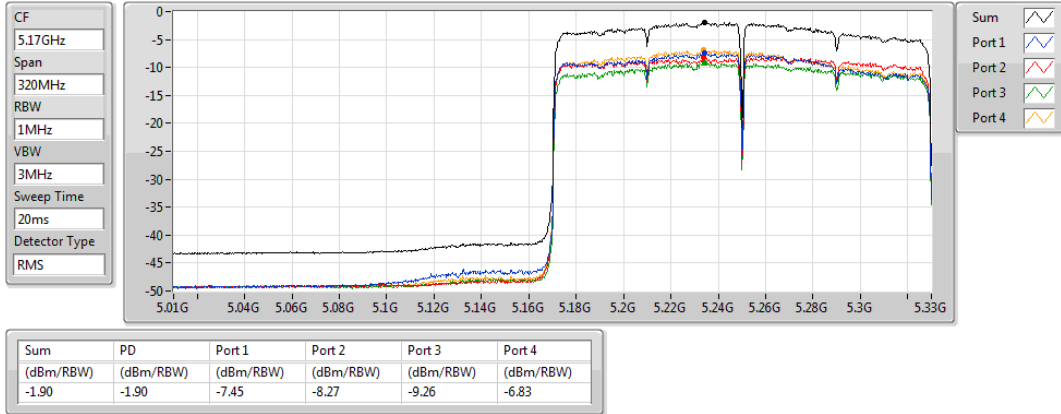


802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

28/05/2019

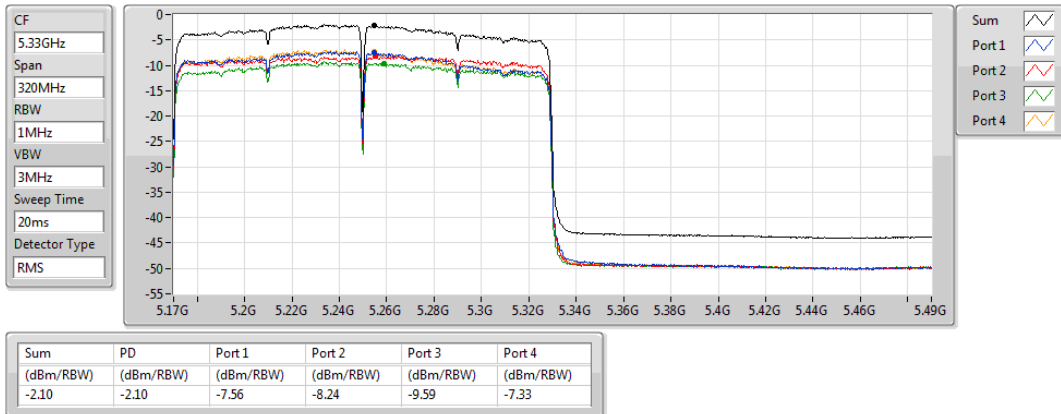


802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

28/05/2019

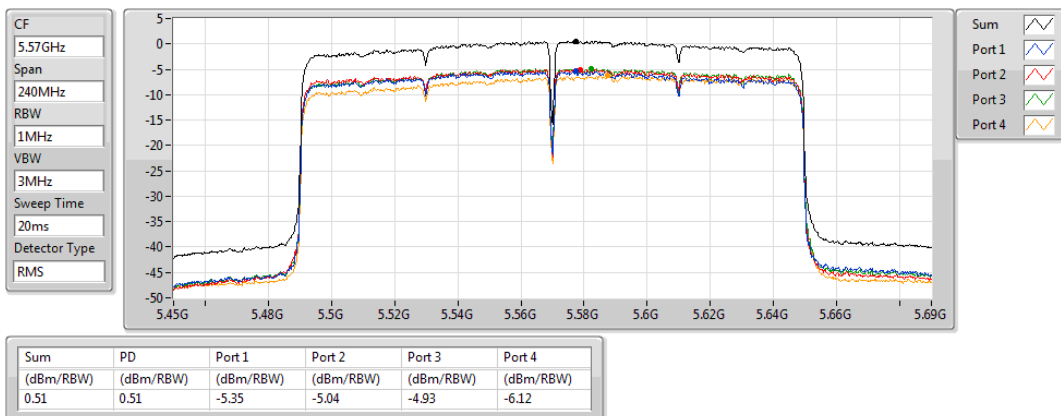


802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5570MHz

10/05/2019

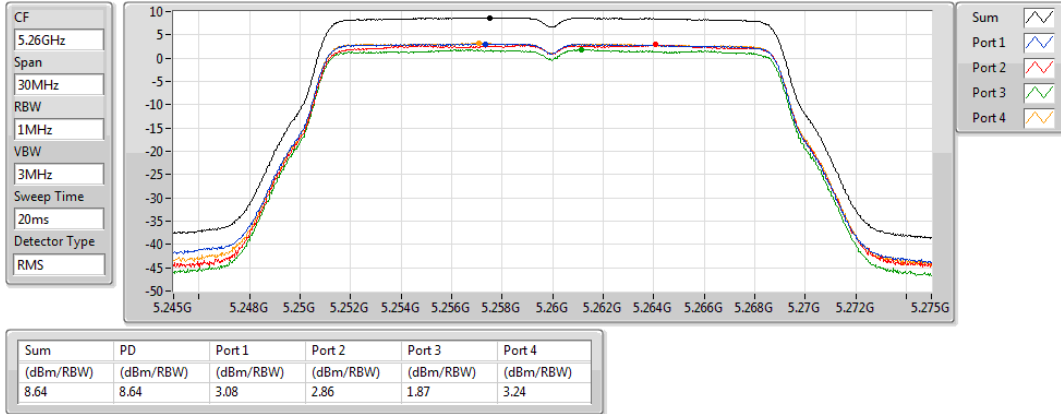


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

10/05/2019

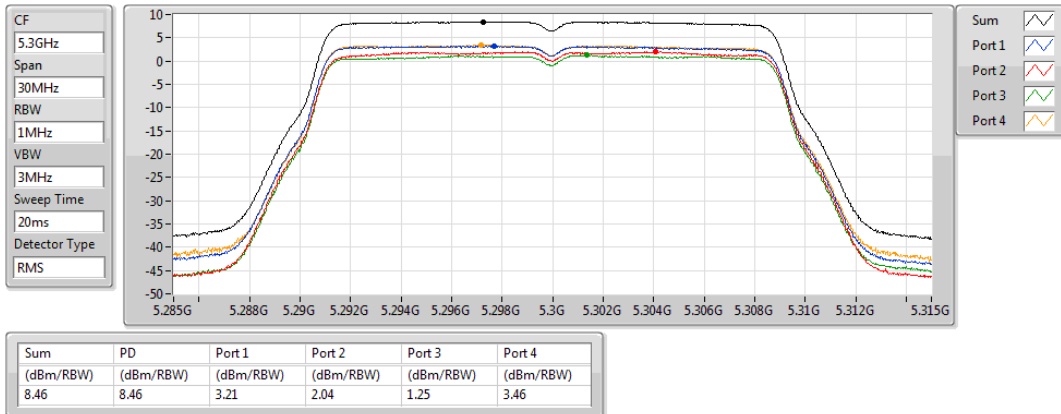


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

10/05/2019

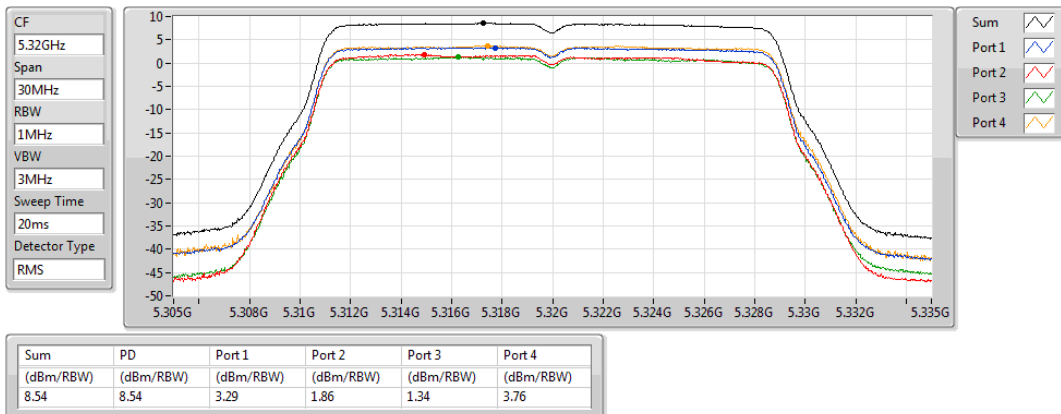


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

10/05/2019

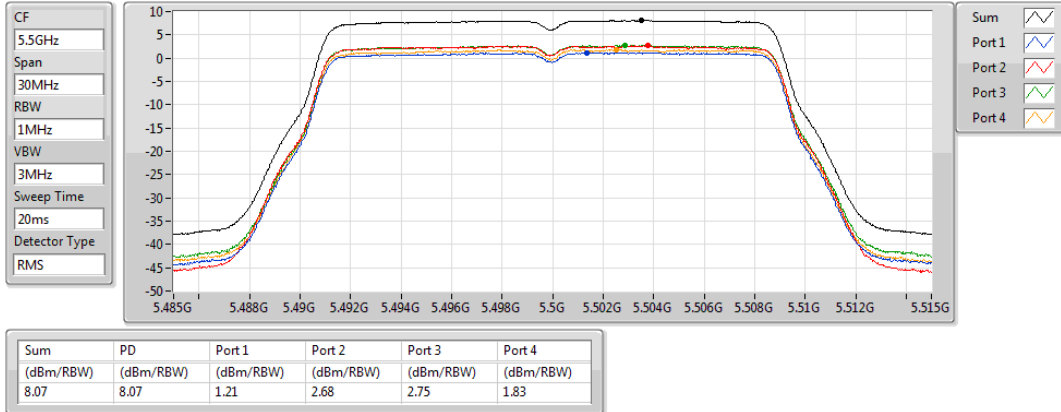


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

10/05/2019

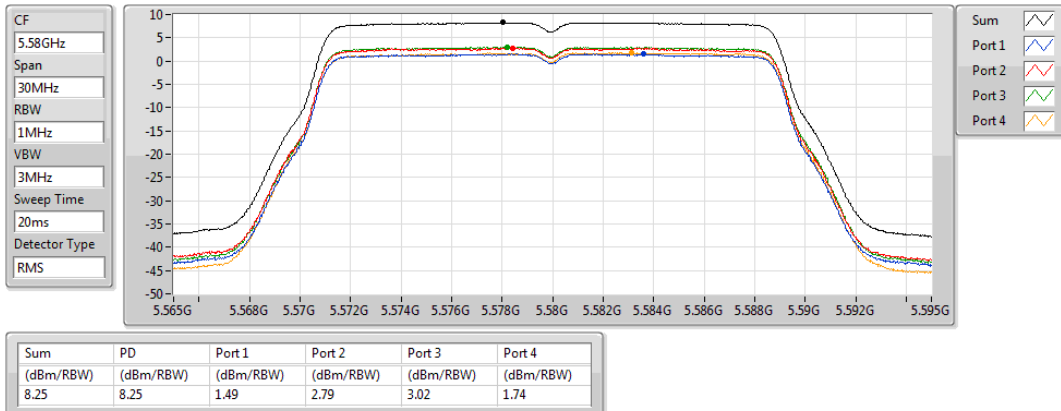


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

10/05/2019

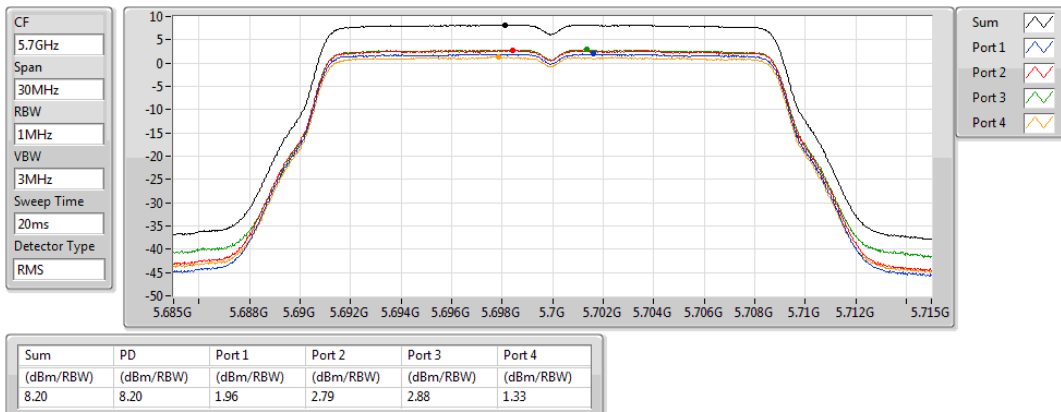


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

10/05/2019

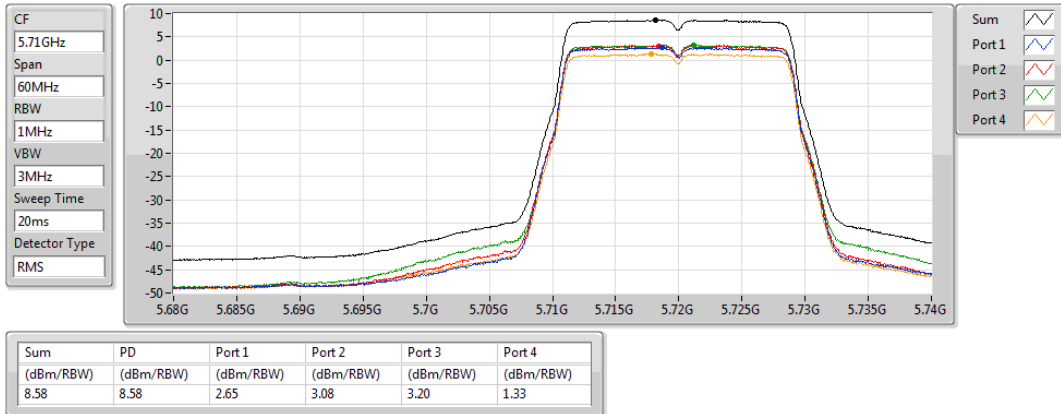


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

10/05/2019

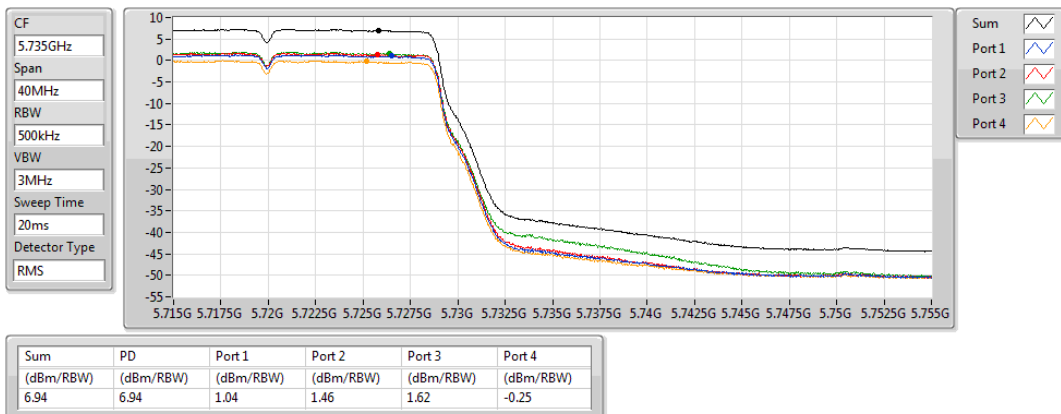


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

10/05/2019

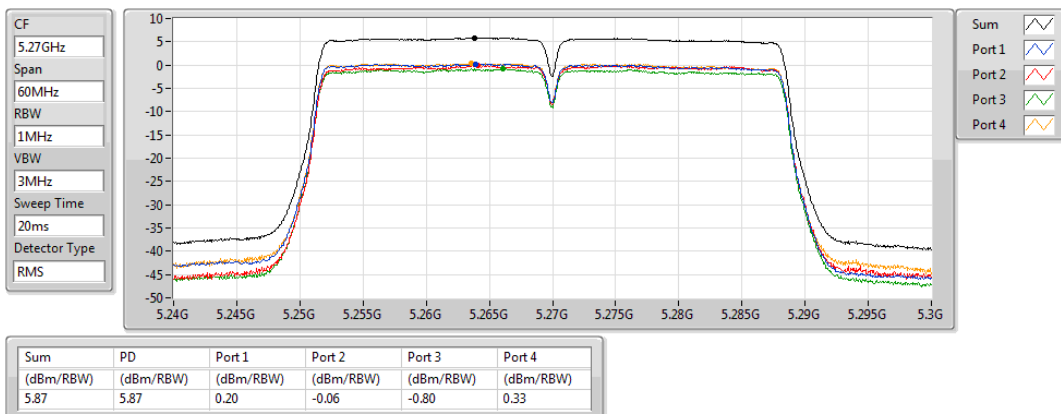


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

10/05/2019

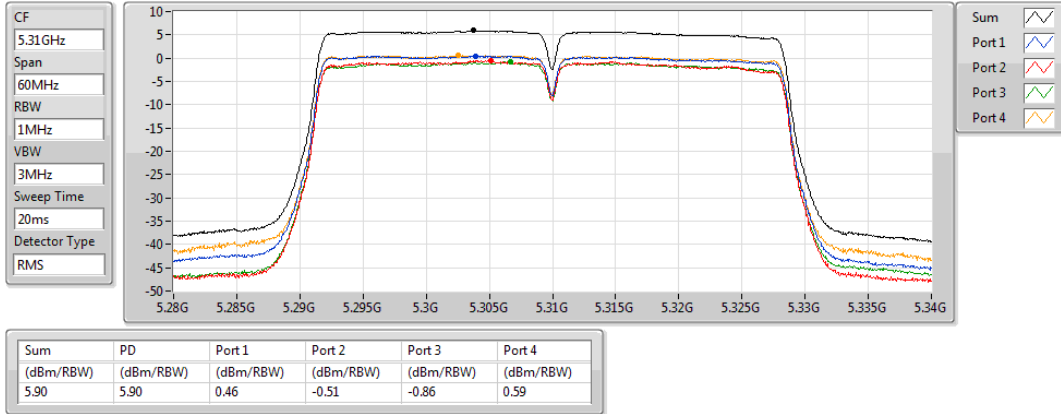


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

10/05/2019

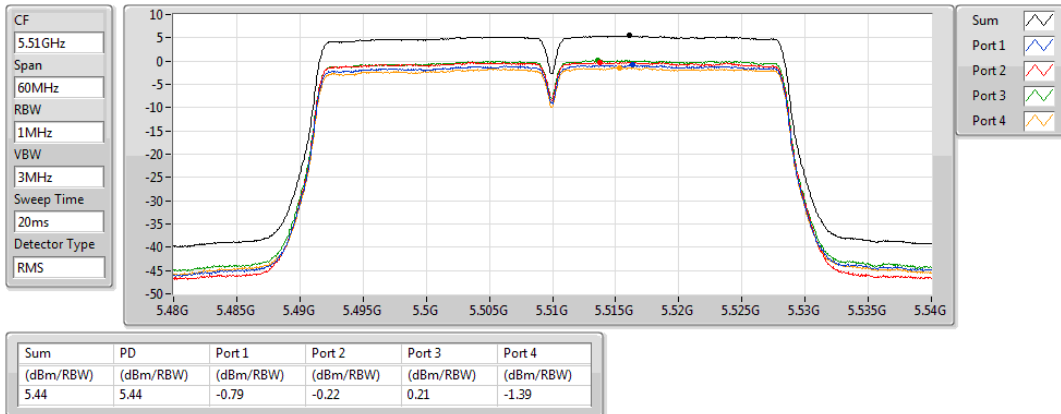


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

10/05/2019

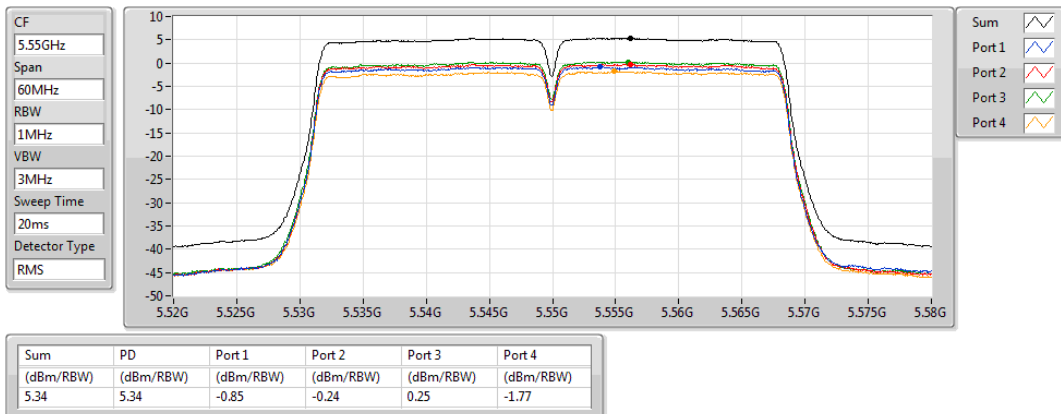


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

10/05/2019

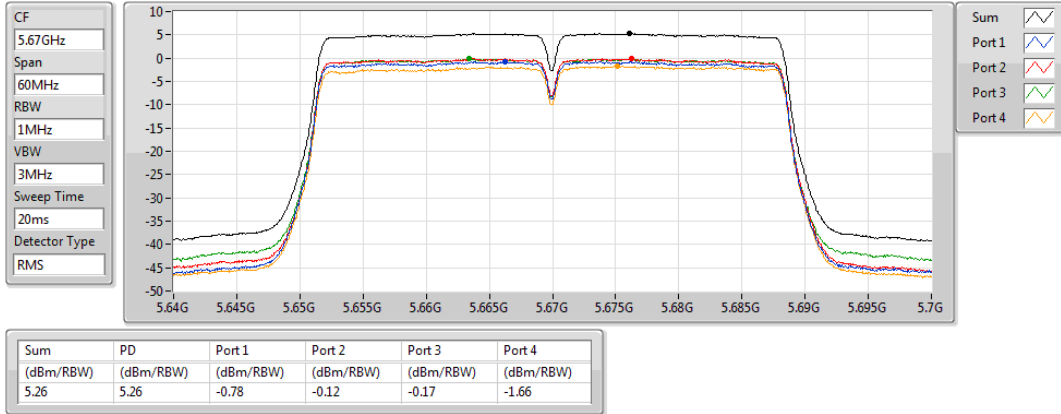


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

10/05/2019

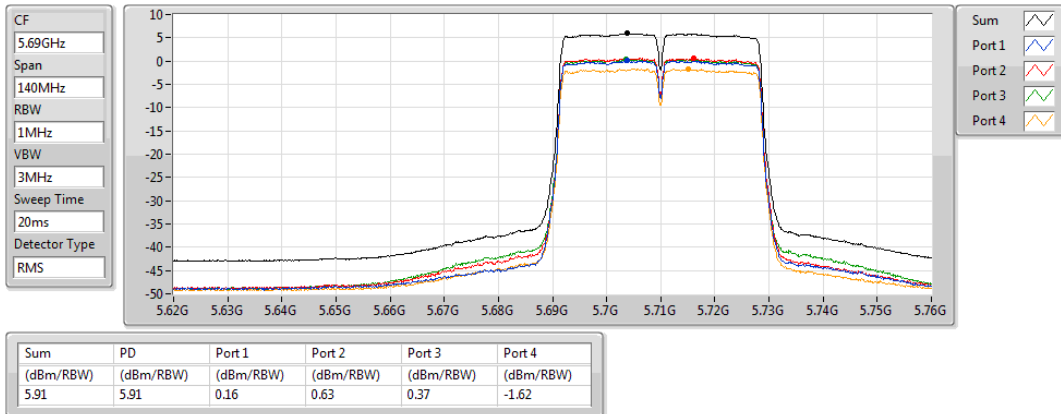


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

10/05/2019

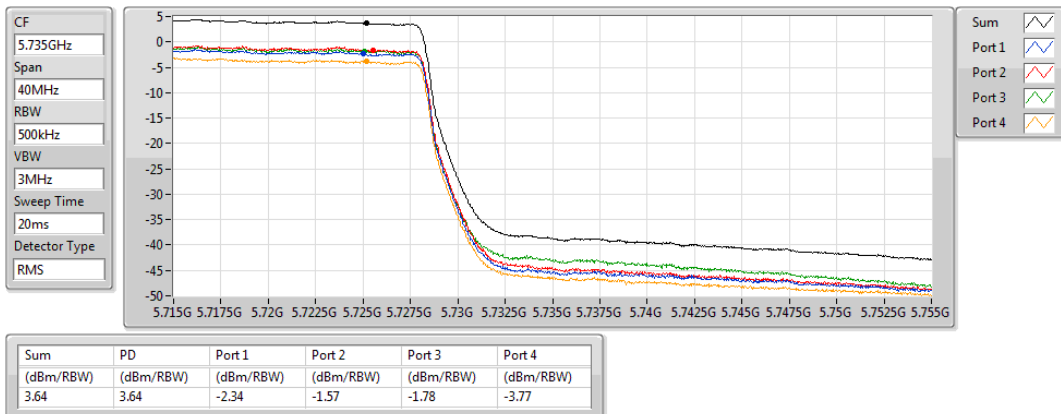


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

10/05/2019

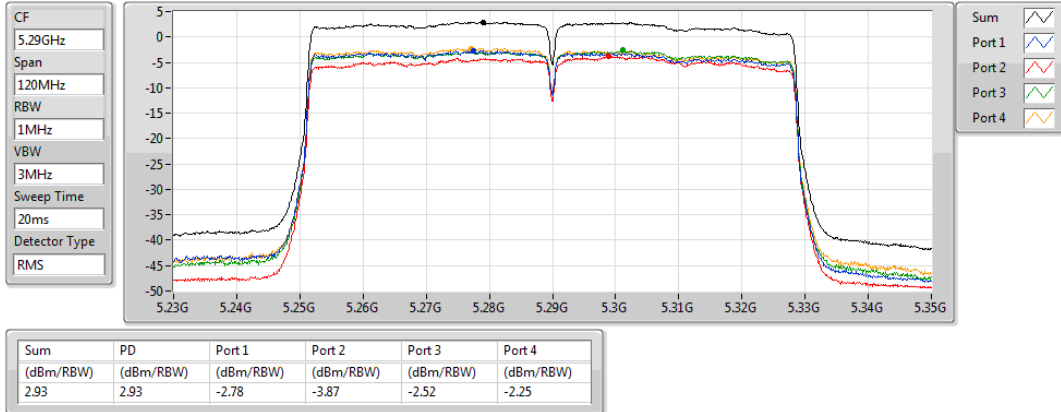


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

10/05/2019

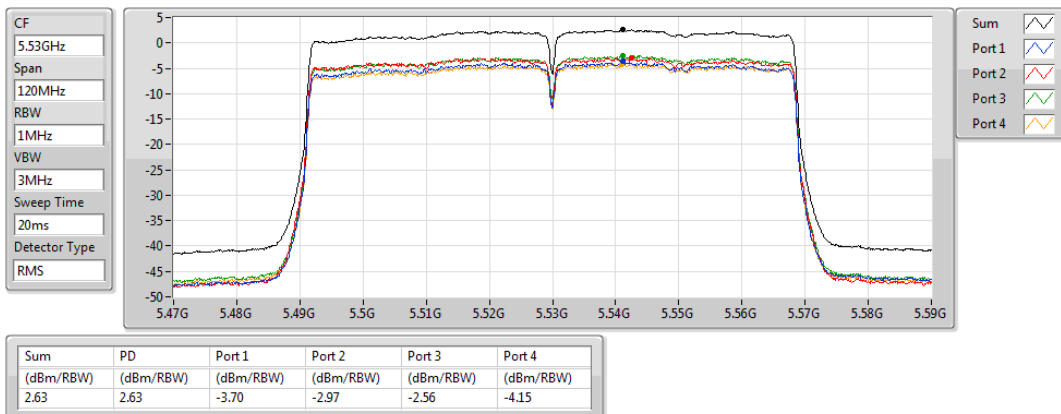


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

10/05/2019

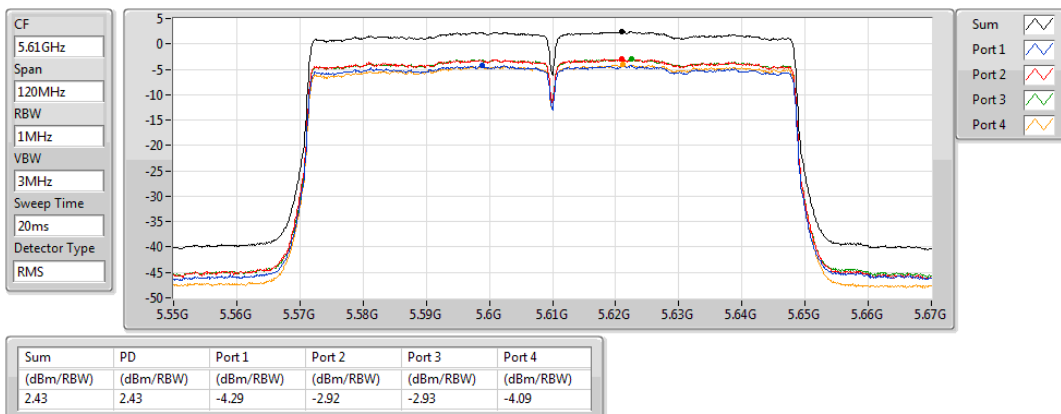


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

10/05/2019

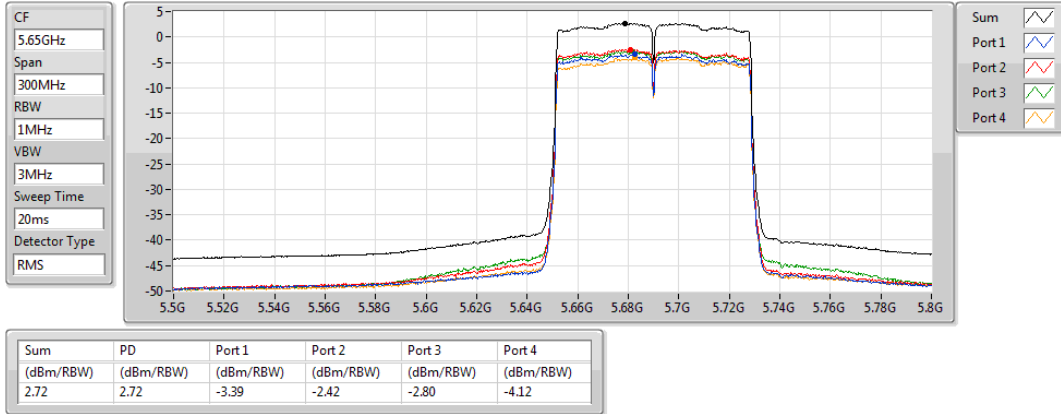


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

10/05/2019

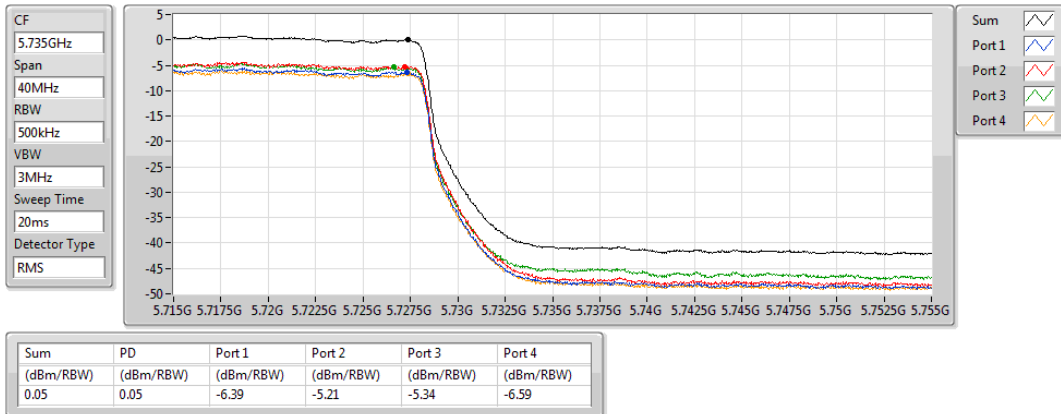


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

10/05/2019

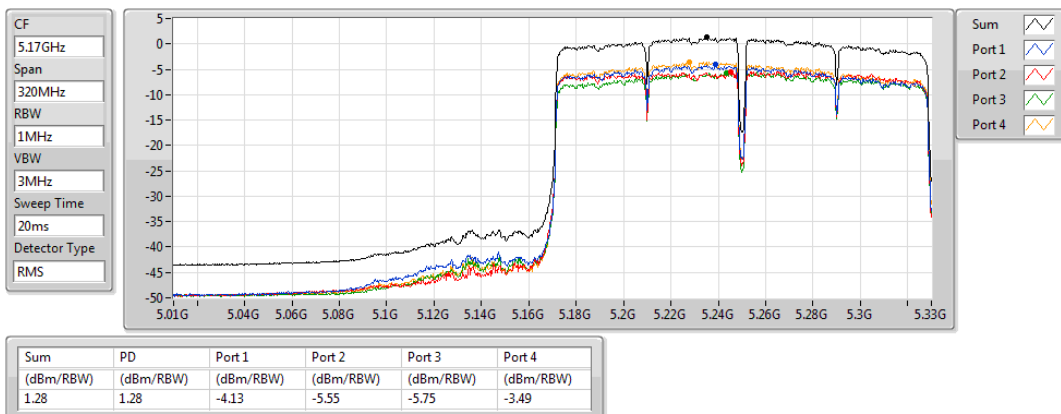


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

10/05/2019

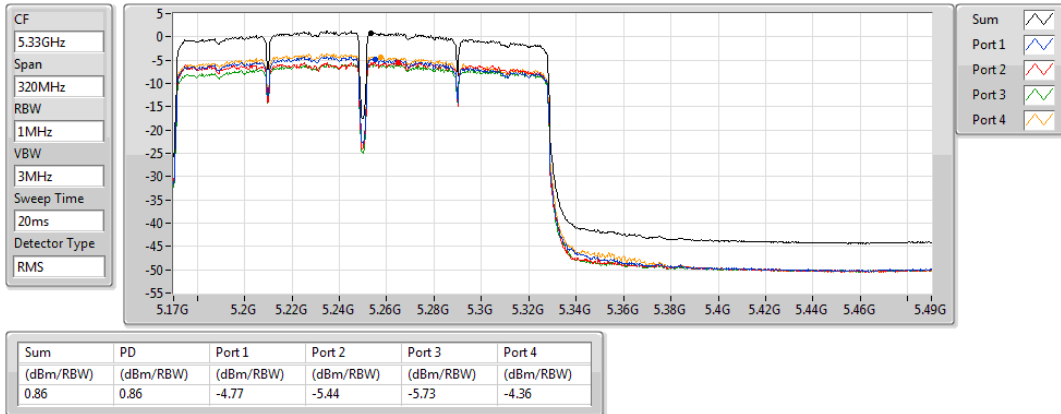


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

10/05/2019

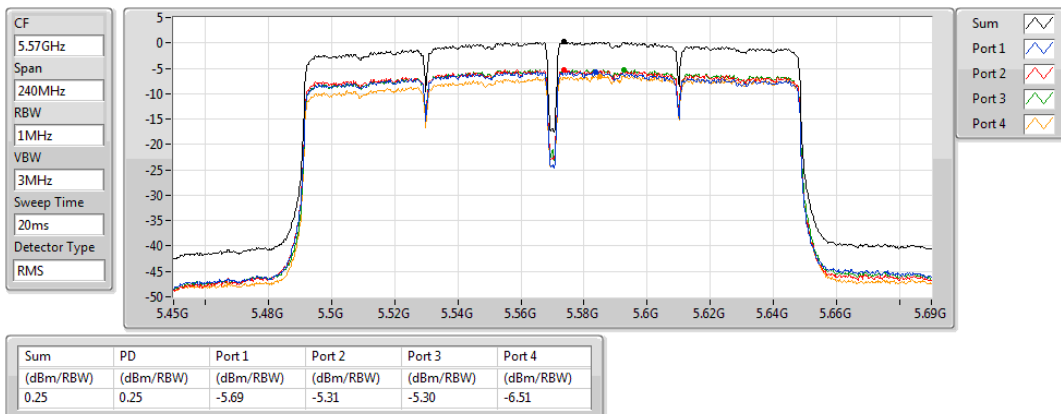


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

10/05/2019

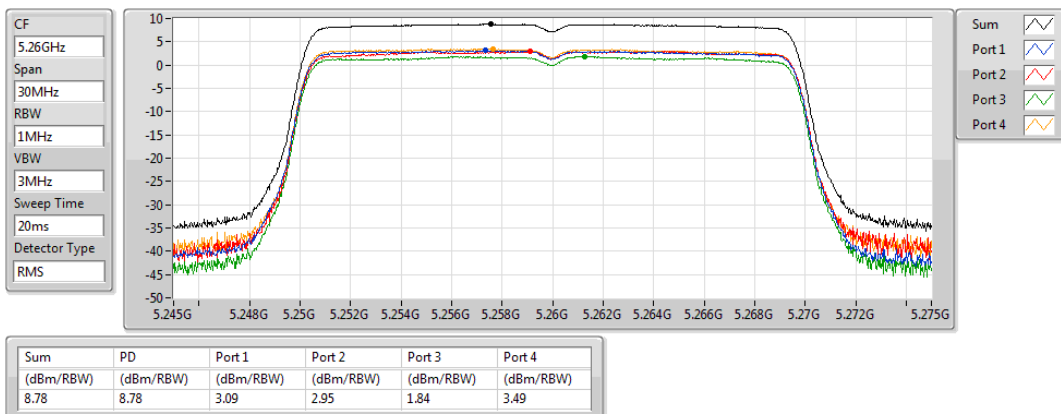


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

10/05/2019

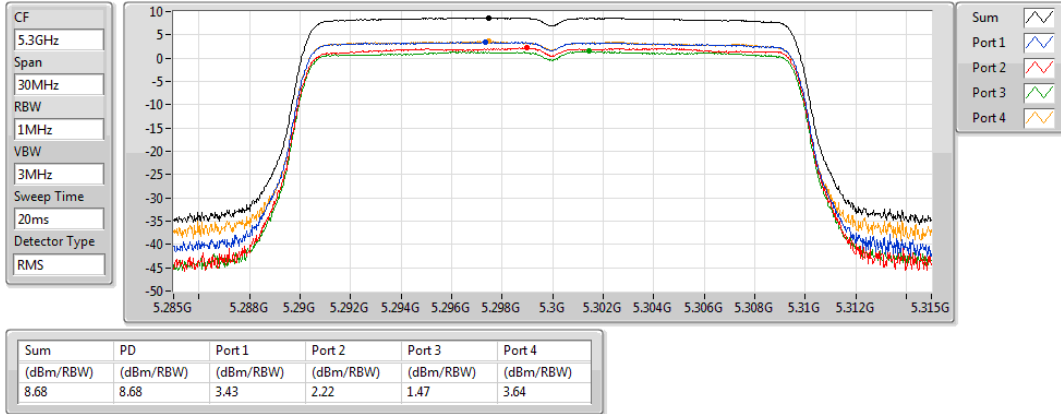


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

10/05/2019

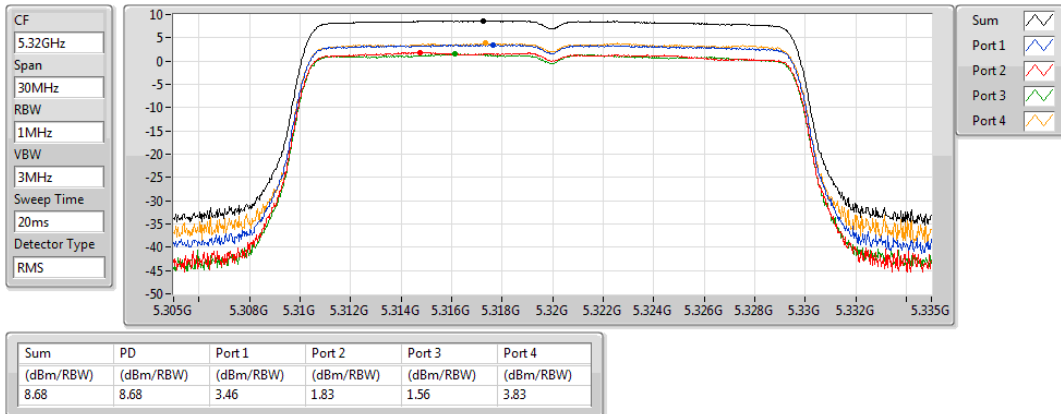


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

10/05/2019

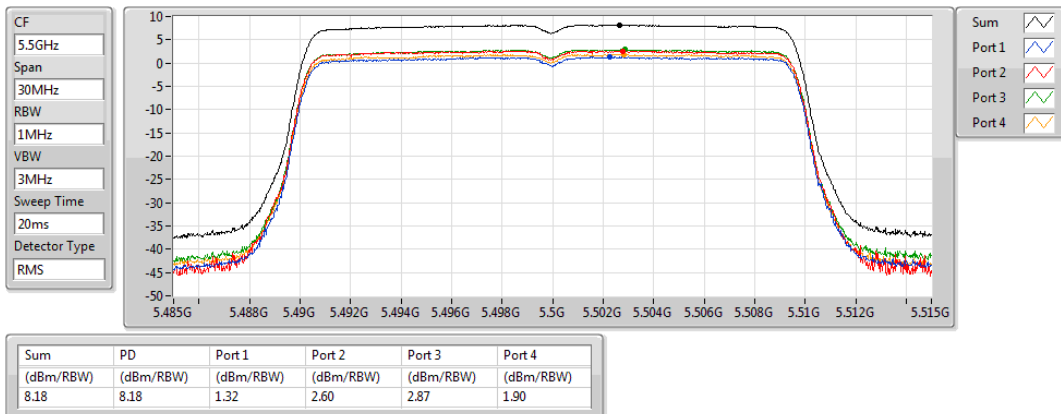


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

10/05/2019

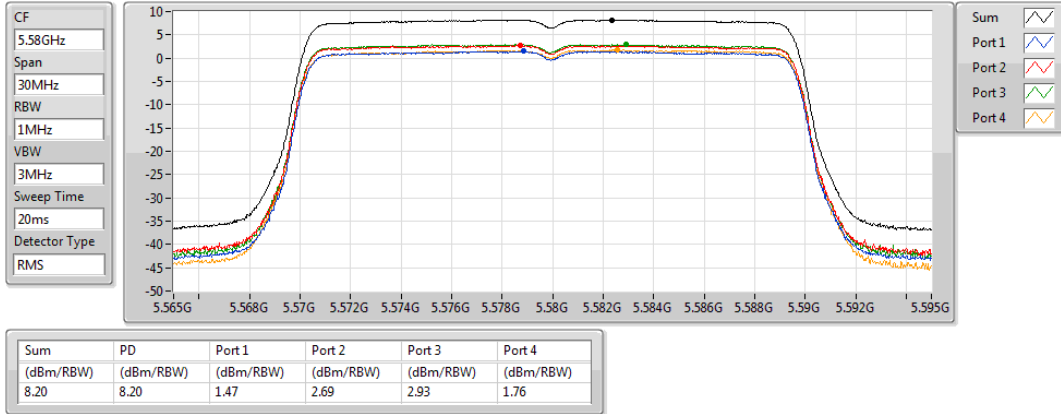


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

10/05/2019

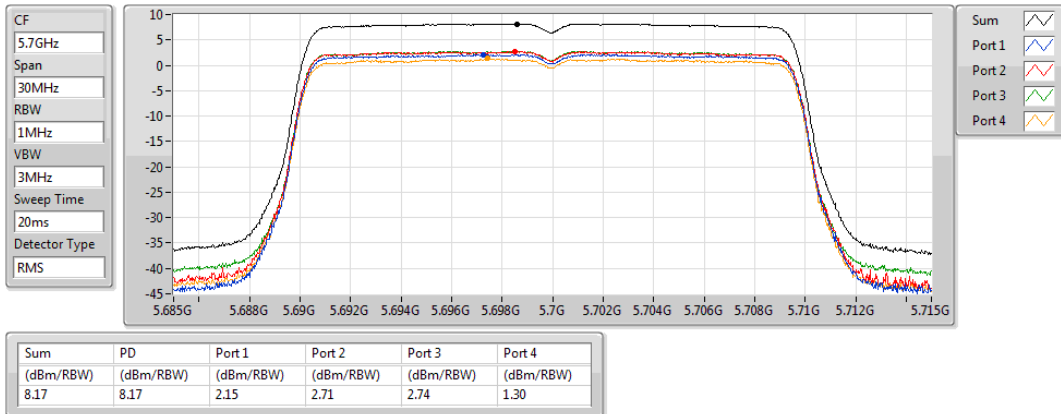


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

10/05/2019

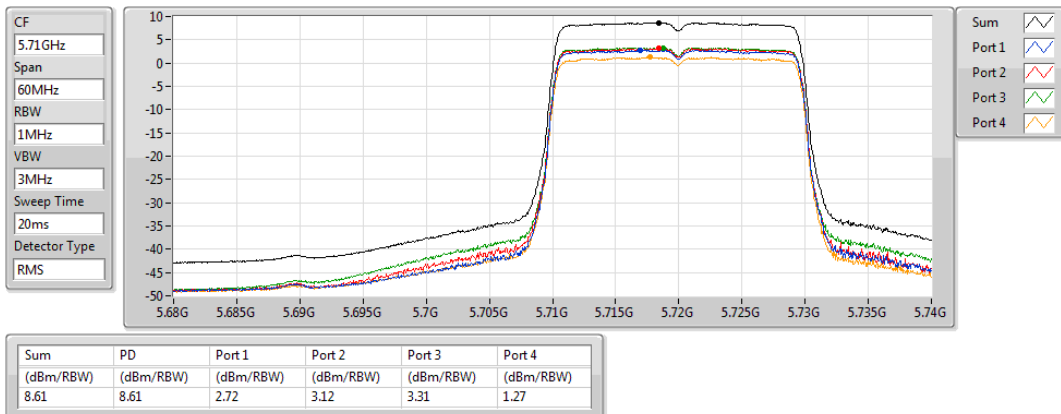


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

10/05/2019

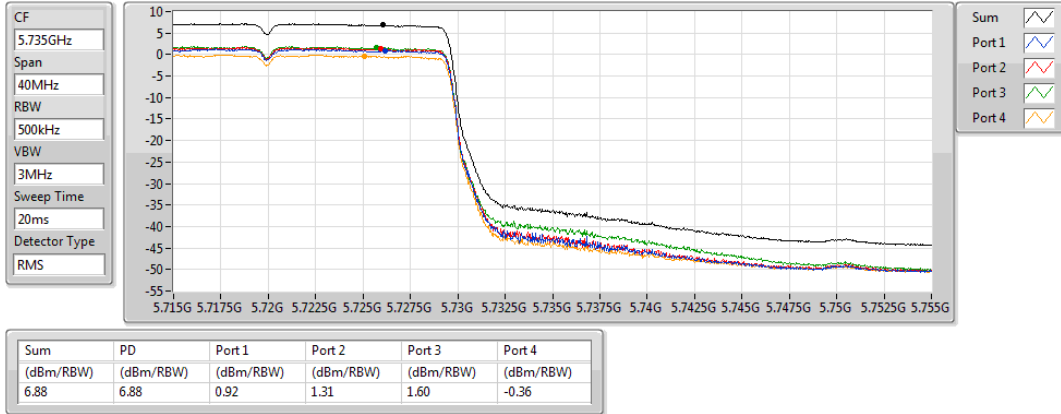


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

10/05/2019

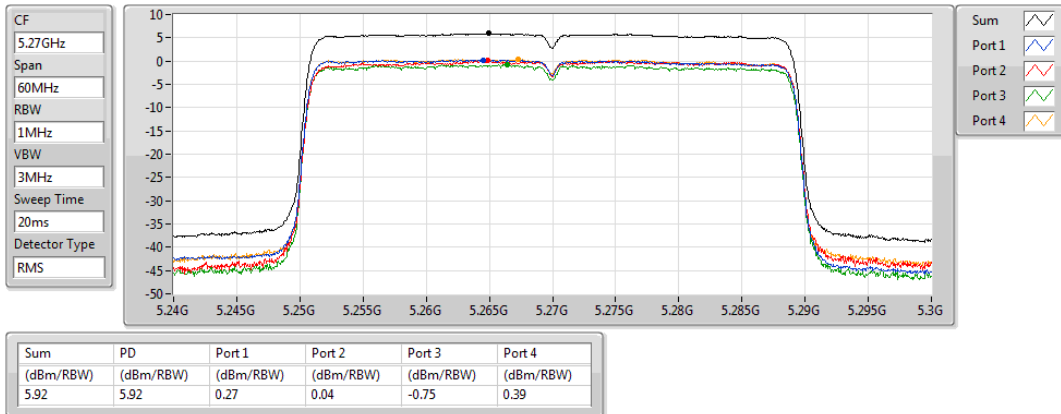


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

10/05/2019

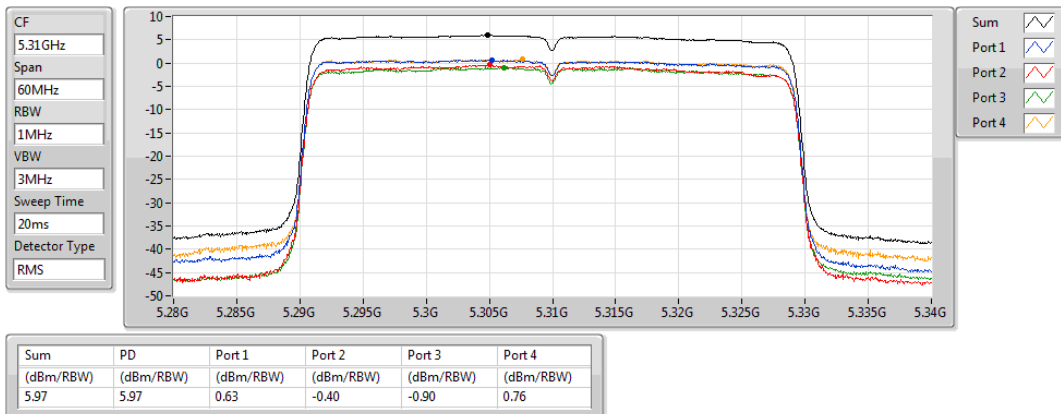


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

10/05/2019

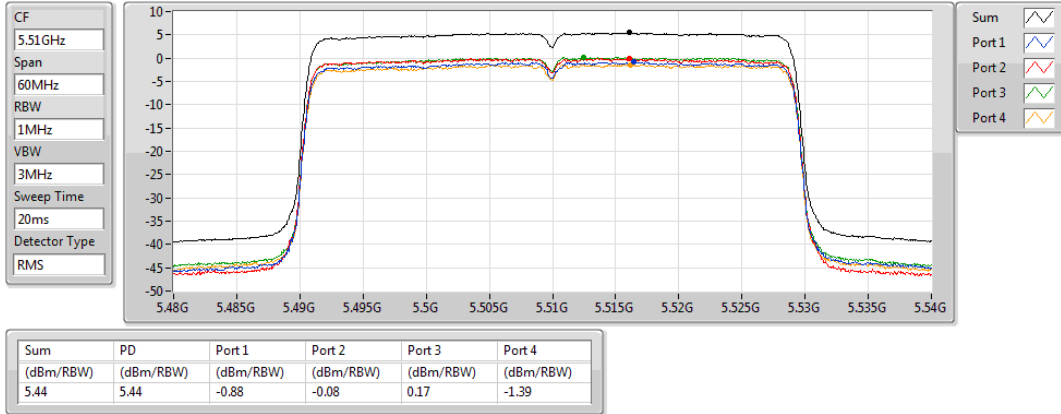


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

10/05/2019

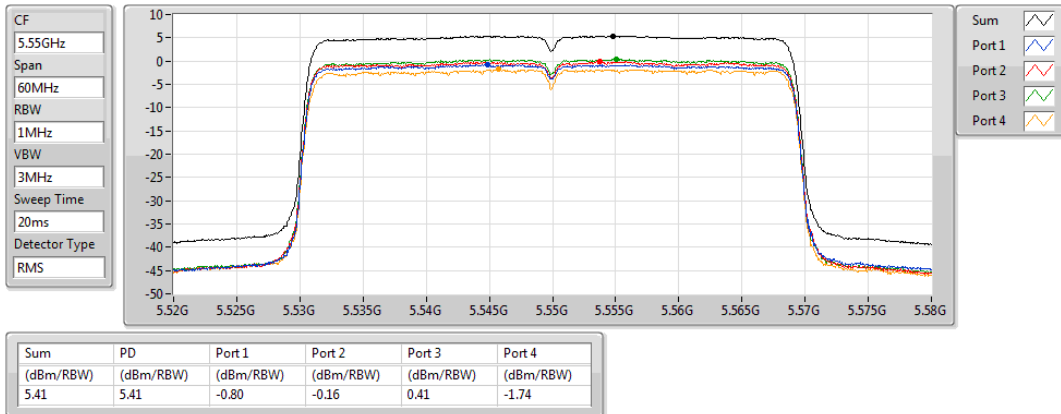


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

10/05/2019

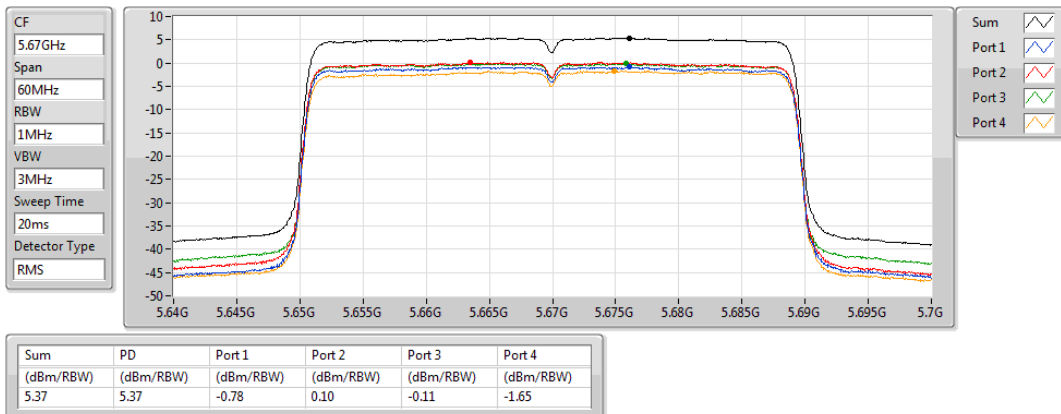


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

10/05/2019

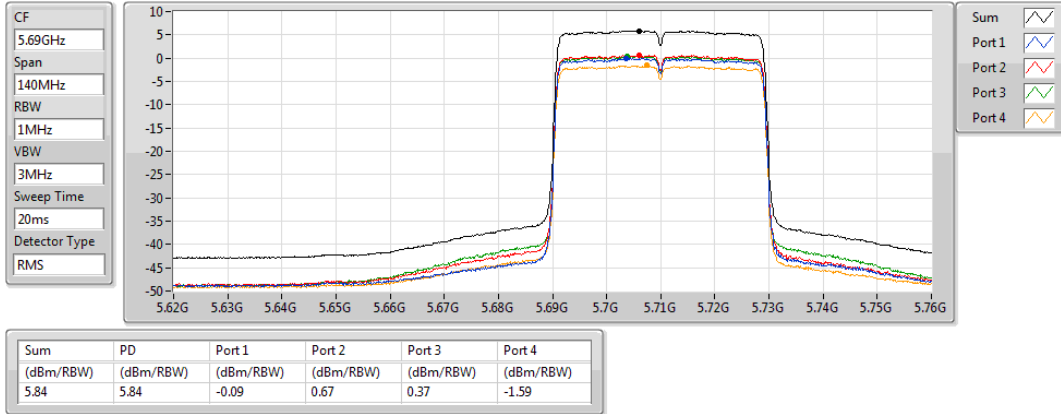


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

10/05/2019

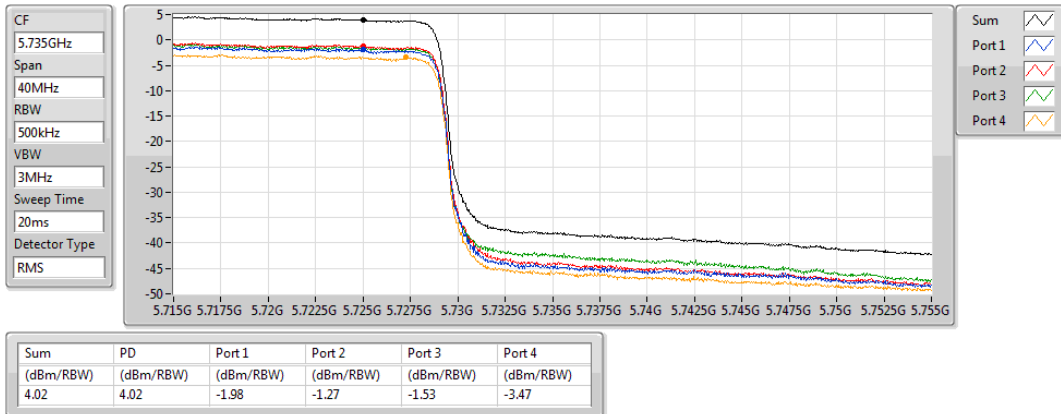


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

10/05/2019

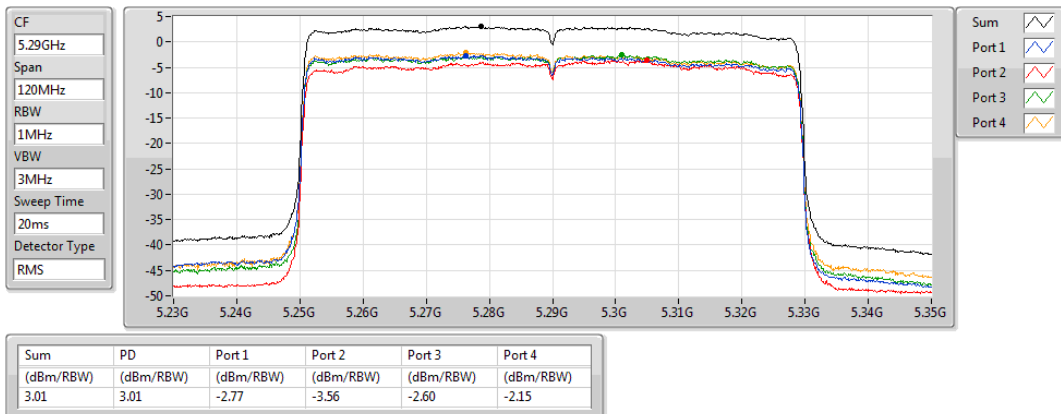


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

10/05/2019

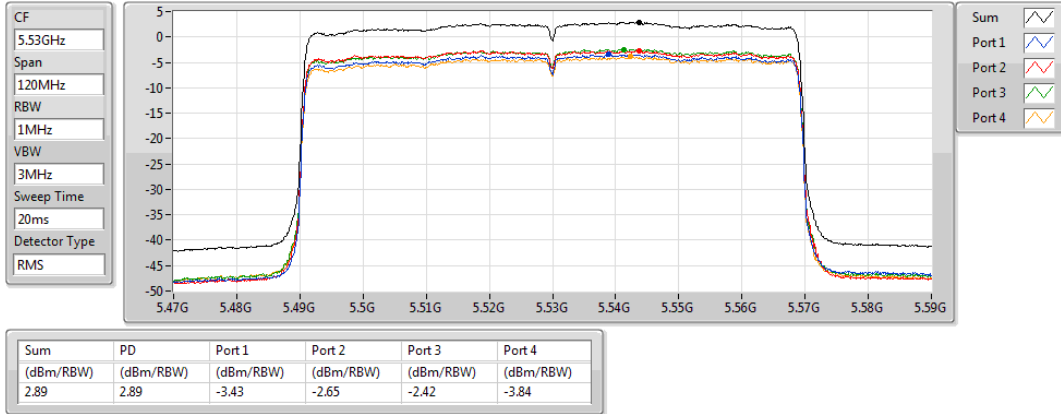


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

10/05/2019

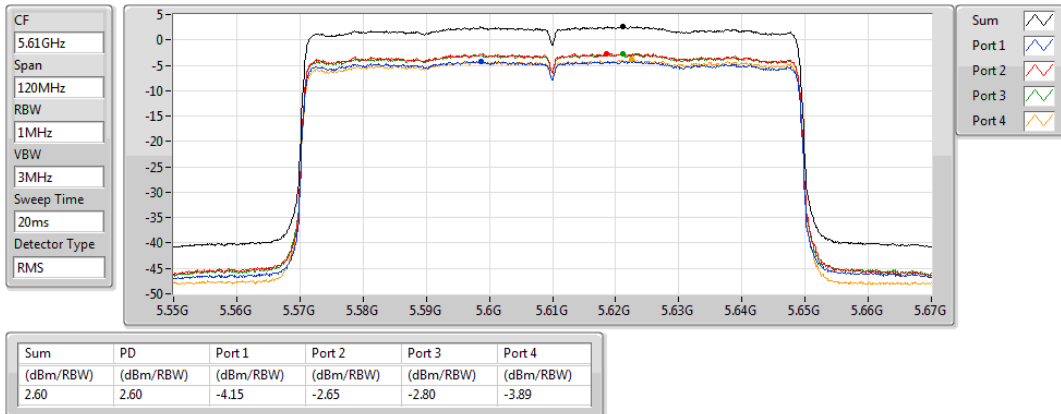


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

10/05/2019

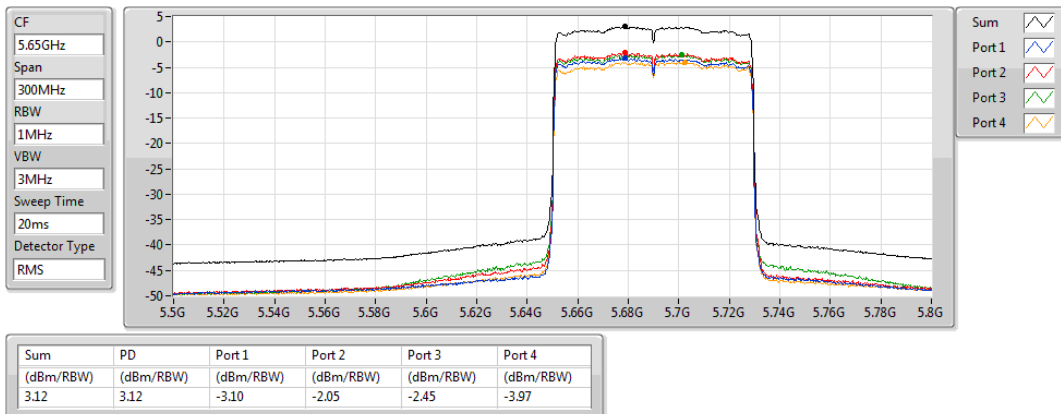


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

10/05/2019

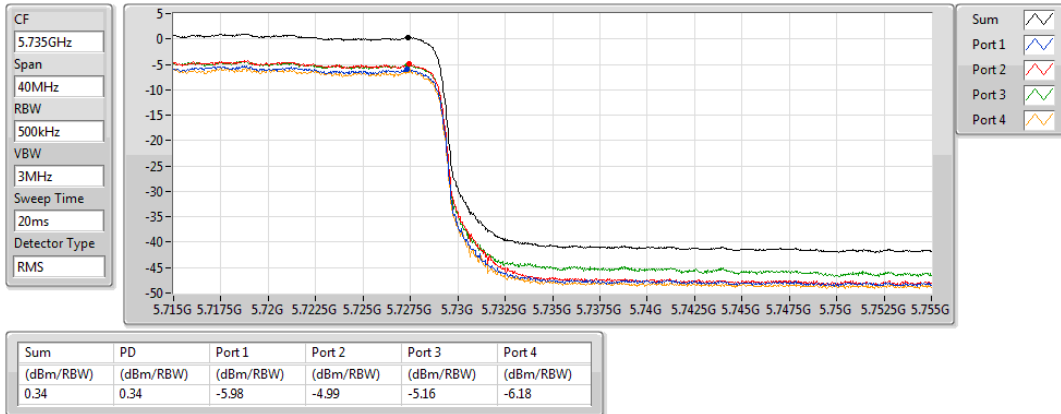


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

10/05/2019

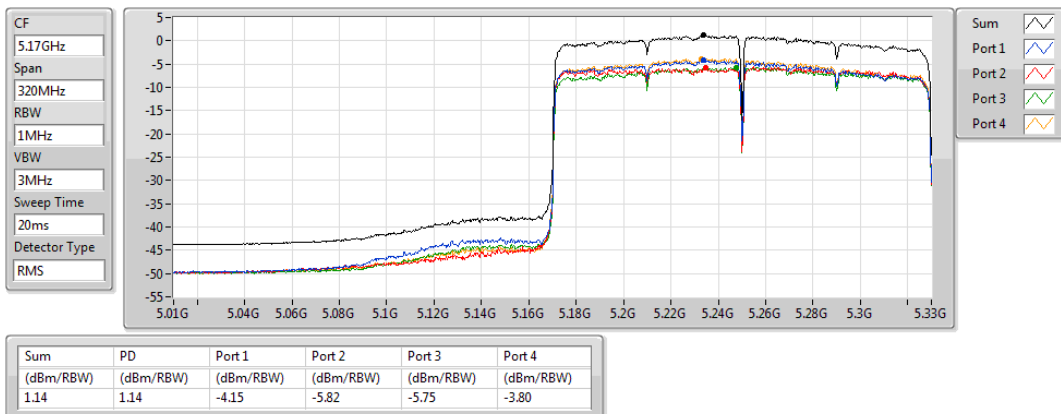


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

10/05/2019

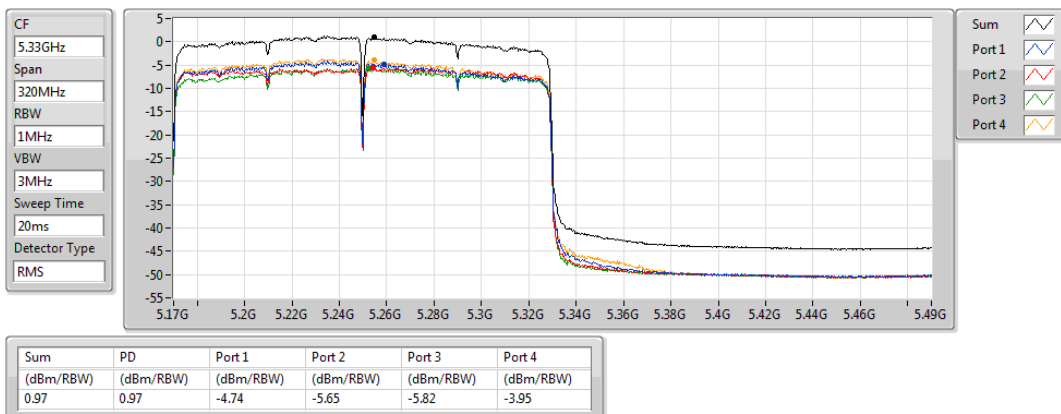


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

10/05/2019

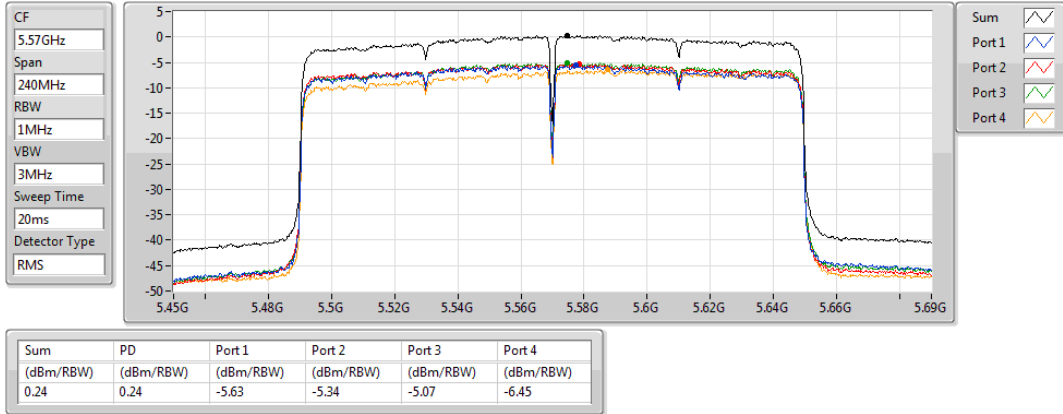


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

10/05/2019





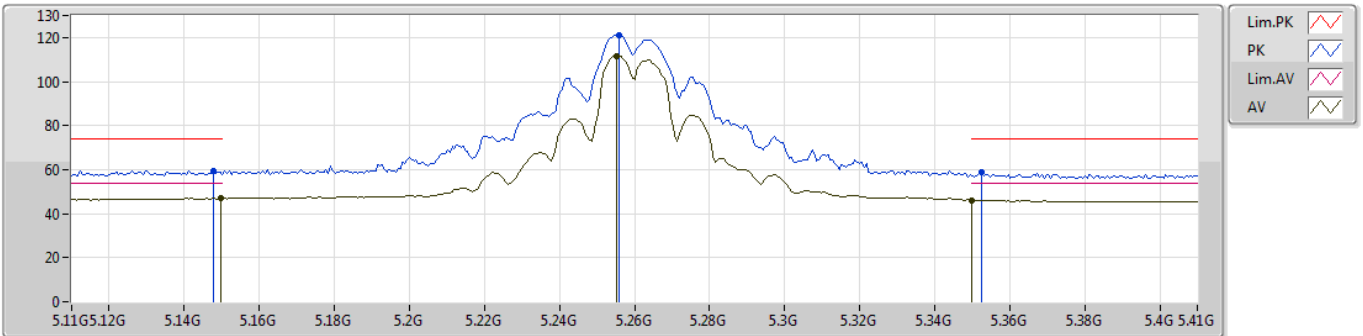
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	PK	5.4676G	68.19	68.20	-0.01	8.56	3	Vertical	196	2.99	-

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5260MHz_TX



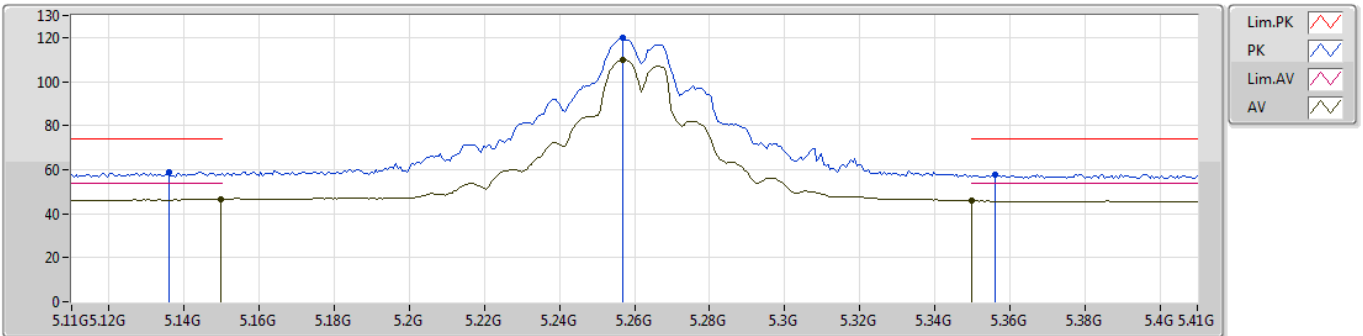
EUT_Y_4TX
Setting 92
02-J-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
PK	5.1478G	59.67	74.00	-14.33	8.04	3	Vertical	132	1.59	-								
AV	5.1496G	47.05	54.00	-6.95	8.04	3	Vertical	132	1.59	-								
PK	5.2558G	121.10	Inf	-Inf	8.25	3	Vertical	132	1.59	-								
AV	5.2552G	111.63	Inf	-Inf	8.25	3	Vertical	132	1.59	-								
PK	5.3524G	59.04	74.00	-14.96	8.38	3	Vertical	132	1.59	-								
AV	5.35G	46.11	54.00	-7.89	8.38	3	Vertical	132	1.59	-								

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5260MHz_TX

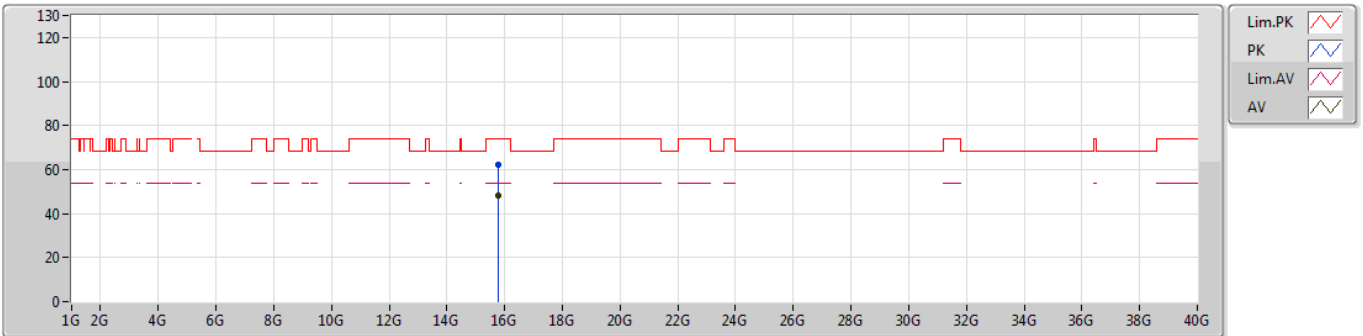

EUT_Y_4TX
Setting 92
02-J-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	5.1358G	58.84	74.00	-15.16	8.02	3	Horizontal	235	2.38	-						
AV	5.1496G	46.67	54.00	-7.33	8.04	3	Horizontal	235	2.38	-						
PK	5.257G	120.02	Inf	-Inf	8.25	3	Horizontal	235	2.38	-						
AV	5.257G	109.91	Inf	-Inf	8.25	3	Horizontal	235	2.38	-						
PK	5.356G	57.88	74.00	-16.12	8.38	3	Horizontal	235	2.38	-						
AV	5.35G	45.72	54.00	-8.28	8.38	3	Horizontal	235	2.38	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5260MHz_TX



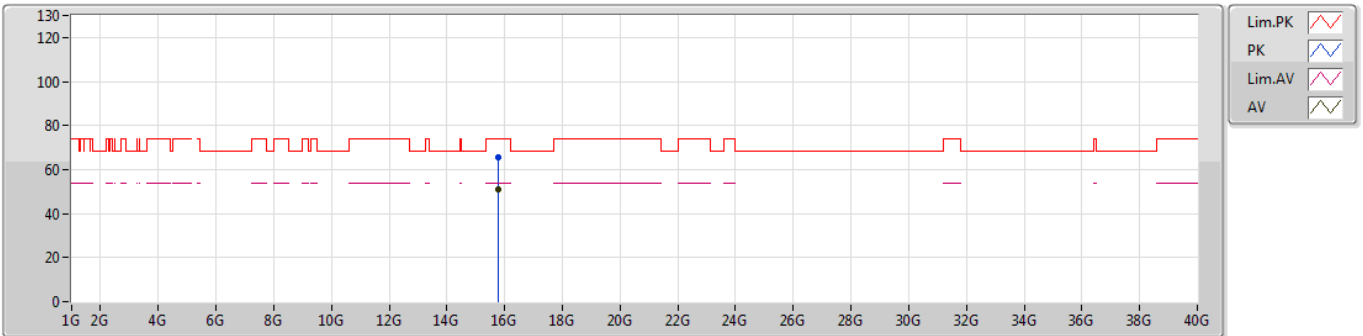
EUT Y_4TX
Setting 92
02-J-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.7794G	62.28	74.00	-11.72	15.52	3	Vertical	165	1.78	-						
AV	15.7809G	48.20	54.00	-5.80	15.51	3	Vertical	165	1.78	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5260MHz_TX



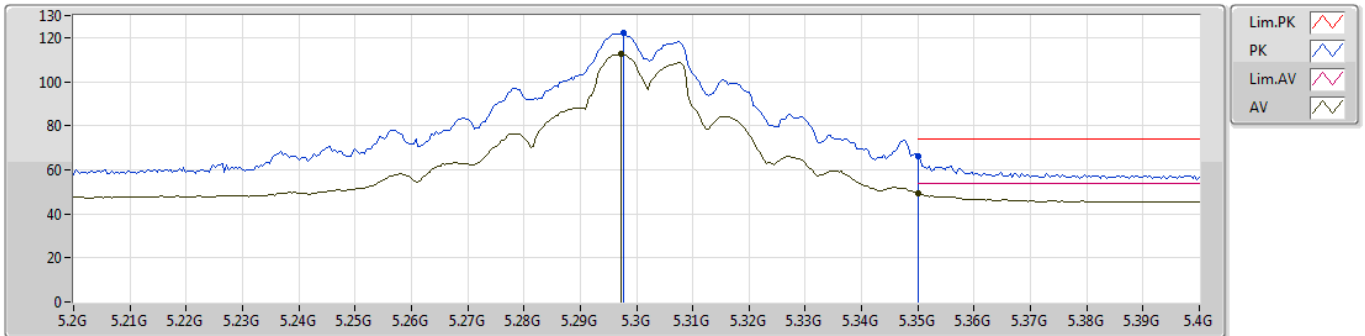
EUT Y_4TX
Setting 92
02-J-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.7815G	65.53	74.00	-8.47	15.51	3	Horizontal	301	1.50	-						
AV	15.7809G	50.81	54.00	-3.19	15.51	3	Horizontal	301	1.50	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5300MHz_TX

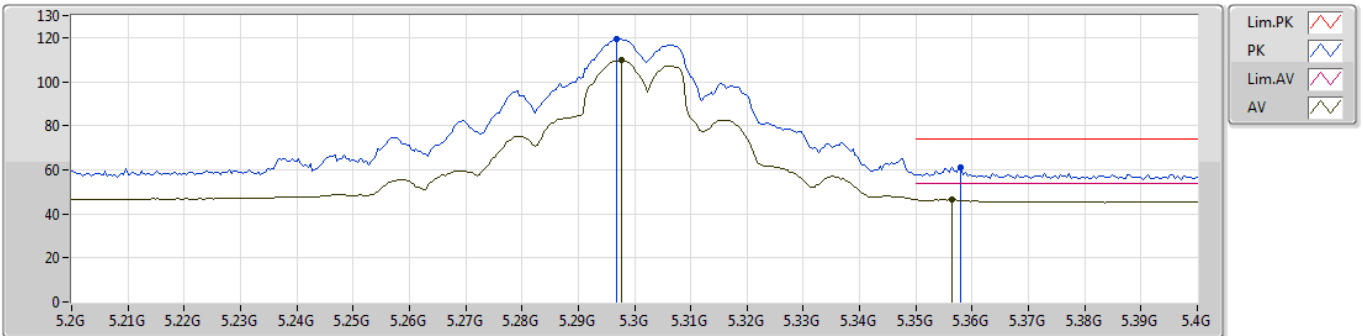

EUT_Y_4TX
Setting 93
02-J-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	5.2976G	121.89	Inf	-Inf	8.31	3	Vertical	157	1.57	-						
AV	5.2972G	112.40	Inf	-Inf	8.31	3	Vertical	157	1.57	-						
PK	5.35G	66.37	74.00	-7.63	8.38	3	Vertical	157	1.57	-						
AV	5.35G	49.15	54.00	-4.85	8.38	3	Vertical	157	1.57	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5300MHz_TX

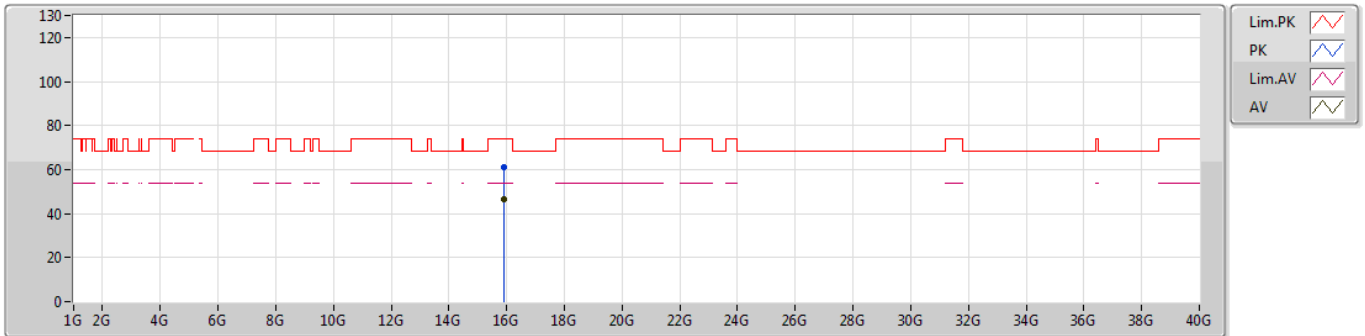

EUT_Y_4TX
Setting 93
02-J-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.2968G	119.43	Inf	-Inf	8.31	3	Horizontal	235	2.30	-
AV	5.2976G	109.74	Inf	-Inf	8.31	3	Horizontal	235	2.30	-
PK	5.358G	60.93	74.00	-13.07	8.38	3	Horizontal	235	2.30	-
AV	5.3564G	46.47	54.00	-7.53	8.38	3	Horizontal	235	2.30	-

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5300MHz_TX



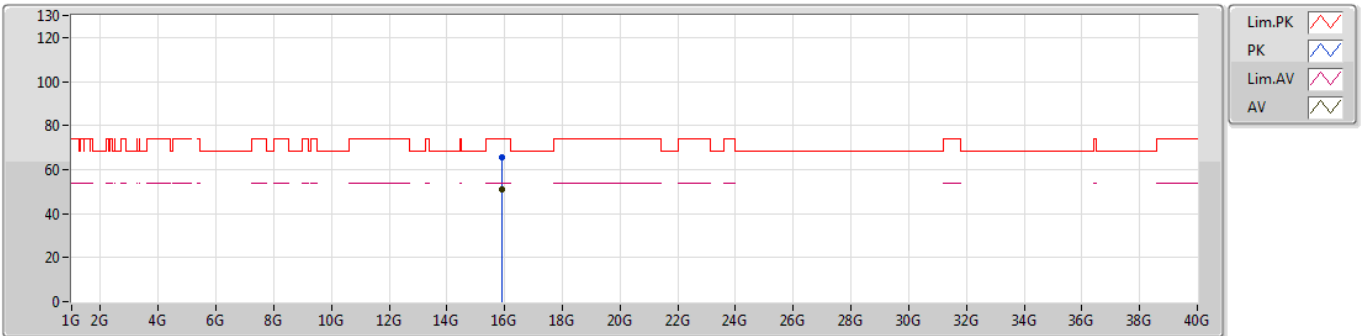
EUT Y_4TX
Setting 93
02-J-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.8935G	60.80	74.00	-13.20	15.23	3	Vertical	313	1.50	-						
AV	15.9041G	46.78	54.00	-7.22	15.21	3	Vertical	313	1.50	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5300MHz_TX



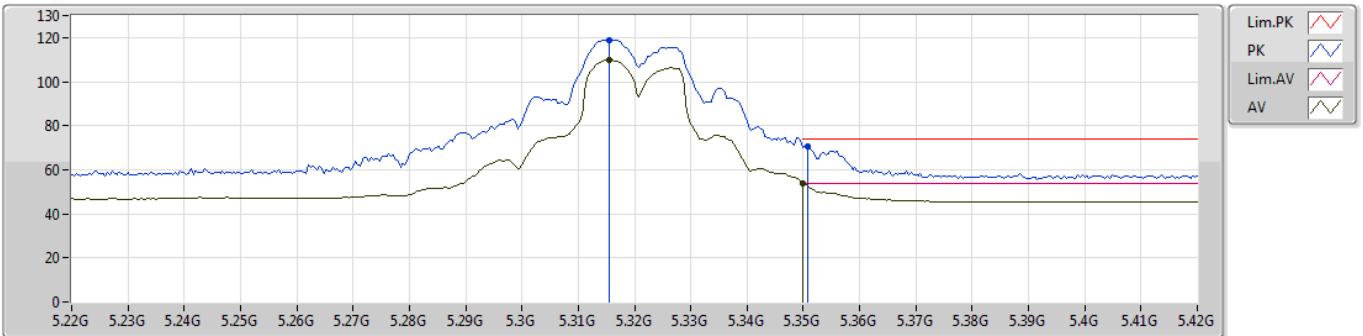
EUT Y_4TX
Setting 93
02-J-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.9015G	65.60	74.00	-8.40	15.22	3	Horizontal	302	1.46	-						
AV	15.9011G	50.94	54.00	-3.06	15.22	3	Horizontal	302	1.46	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5320MHz_TX



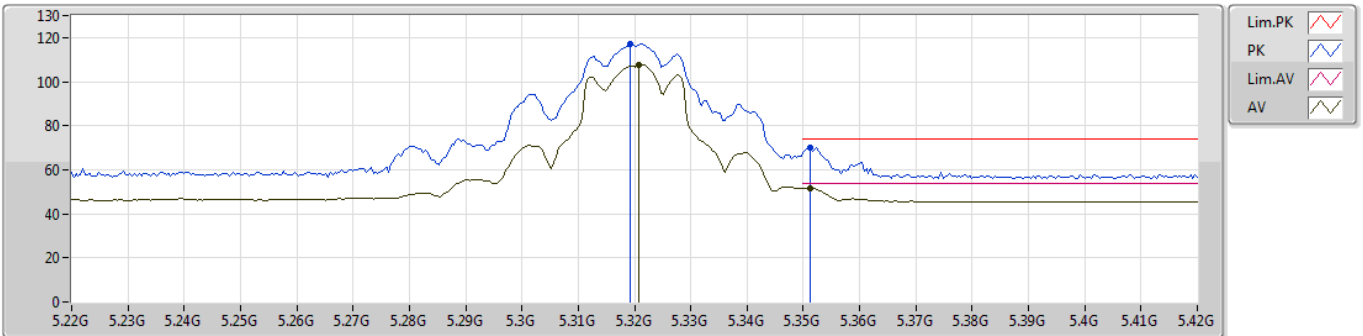
EUT_Y_4TX
Setting 85
02-J-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3156G	118.93	Inf	-Inf	8.33	3	Vertical	150	1.48	-
AV	5.3156G	109.87	Inf	-Inf	8.33	3	Vertical	150	1.48	-
PK	5.3508G	70.64	74.00	-3.36	8.38	3	Vertical	150	1.48	-
AV	5.35G	53.98	54.00	-0.02	8.38	3	Vertical	150	1.48	-

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5320MHz_TX



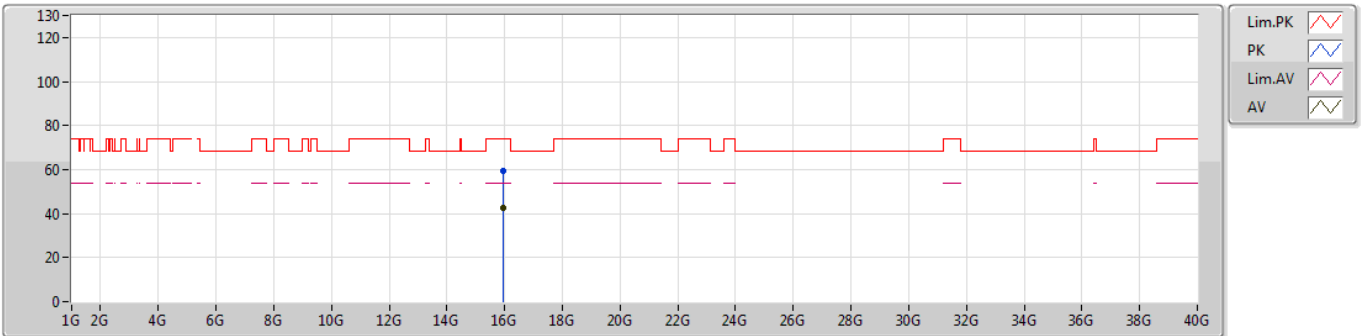
EUT_Y_4TX
Setting 85
02-J-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3192G	117.16	Inf	-Inf	8.33	3	Horizontal	315	2.94	-
AV	5.3208G	107.66	Inf	-Inf	8.33	3	Horizontal	315	2.94	-
PK	5.3512G	69.94	74.00	-4.06	8.38	3	Horizontal	315	2.94	-
AV	5.3512G	51.77	54.00	-2.23	8.38	3	Horizontal	315	2.94	-

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5320MHz_TX



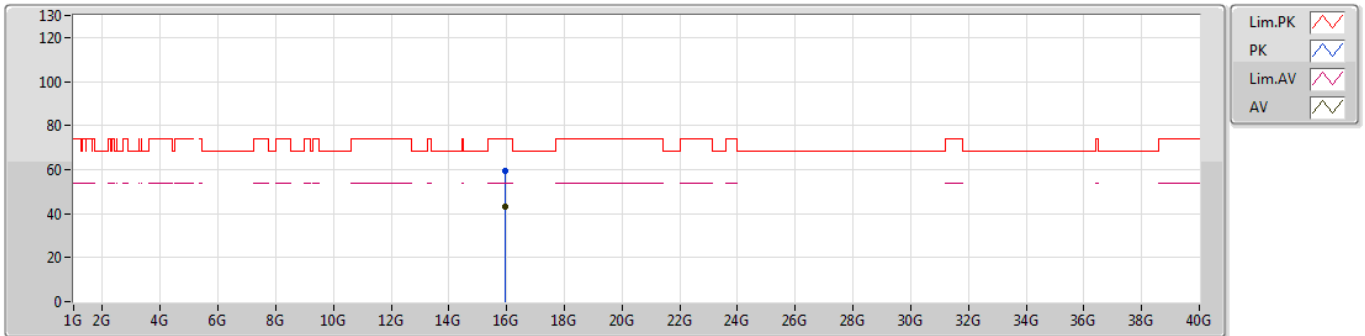
EUT Y_4TX
Setting 85
02-J-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.9614G	59.52	74.00	-14.48	15.06	3	Vertical	285	2.36	-						
AV	15.963G	42.85	54.00	-11.15	15.05	3	Vertical	285	2.36	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5320MHz_TX



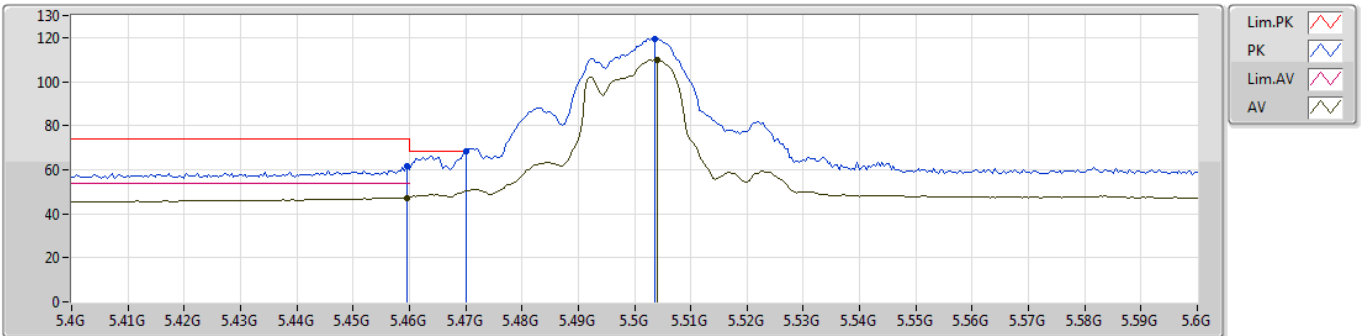
EUT Y_4TX
Setting 85
02-J-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.9612G	59.22	74.00	-14.78	15.06	3	Horizontal	312	1.50	-						
AV	15.9601G	43.14	54.00	-10.86	15.06	3	Horizontal	312	1.50	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5500MHz_TX

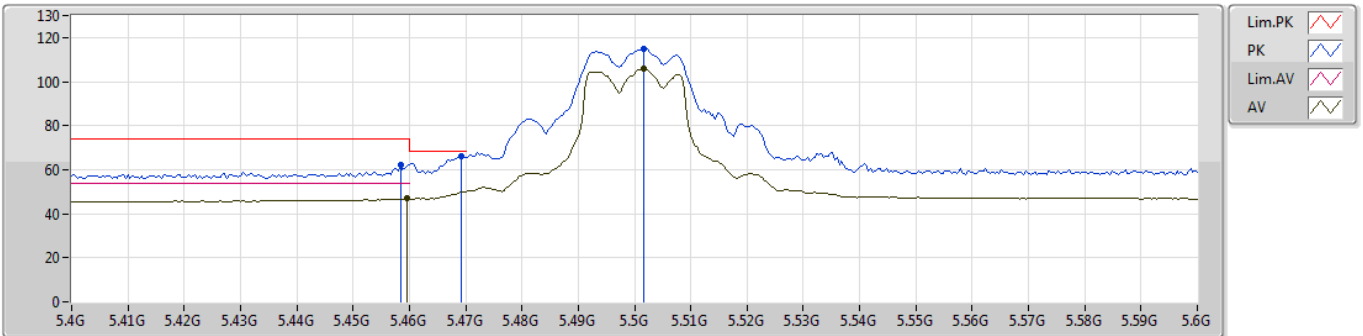

EUT_Y_4TX
Setting 80
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	5.4596G	61.90	74.00	-12.10	8.55	3	Vertical	22	1.56	-						
AV	5.4596G	47.28	54.00	-6.72	8.55	3	Vertical	22	1.56	-						
PK	5.47G	68.16	68.20	-0.04	8.56	3	Vertical	22	1.56	-						
PK	5.5036G	119.46	Inf	-Inf	8.62	3	Vertical	22	1.56	-						
AV	5.504G	110.08	Inf	-Inf	8.62	3	Vertical	22	1.56	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5500MHz_TX



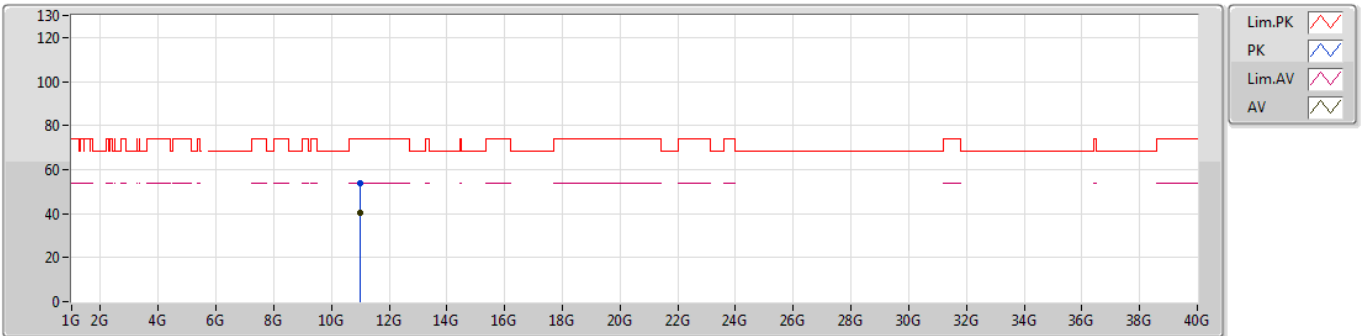
EUT_Y_4TX
Setting 80
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	5.4584G	61.96	74.00	-12.04	8.55	3	Horizontal	27	2.18	-						
AV	5.4596G	46.87	54.00	-7.13	8.55	3	Horizontal	27	2.18	-						
PK	5.4692G	65.97	68.20	-2.23	8.56	3	Horizontal	27	2.18	-						
PK	5.5016G	115.07	Inf	-Inf	8.62	3	Horizontal	27	2.18	-						
AV	5.5016G	105.67	Inf	-Inf	8.62	3	Horizontal	27	2.18	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5500MHz_TX



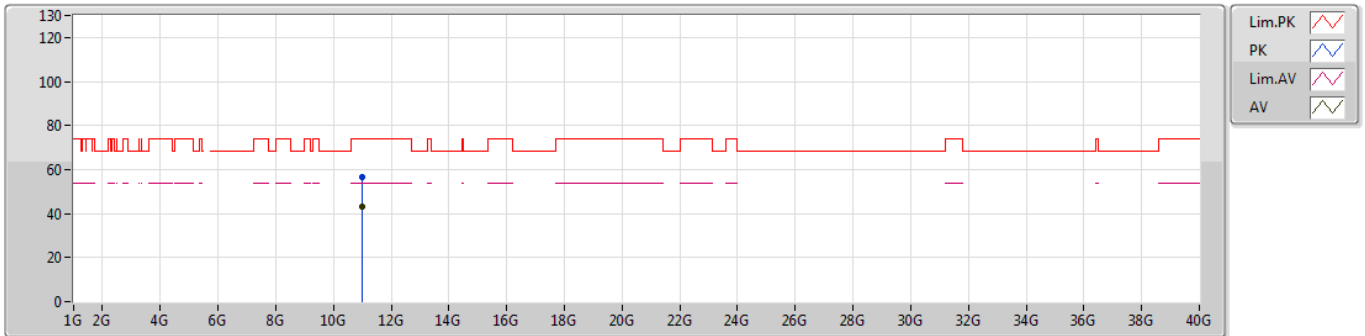
EUT Y_4TX
Setting 80
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	10.9912G	53.89	74.00	-20.11	14.26	3	Vertical	177	2.42	-						
AV	10.9984G	40.60	54.00	-13.40	14.26	3	Vertical	177	2.42	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5500MHz_TX

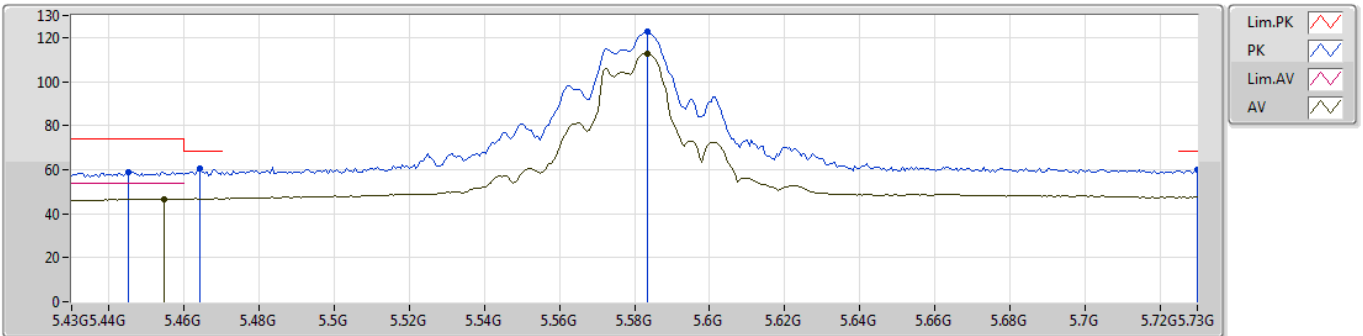

EUT Y_4TX
Setting 80
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	10.99808G	56.83	74.00	-17.17	14.26	3	Horizontal	100	1.67	-						
AV	10.99824G	43.04	54.00	-10.96	14.26	3	Horizontal	100	1.67	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5580MHz_TX

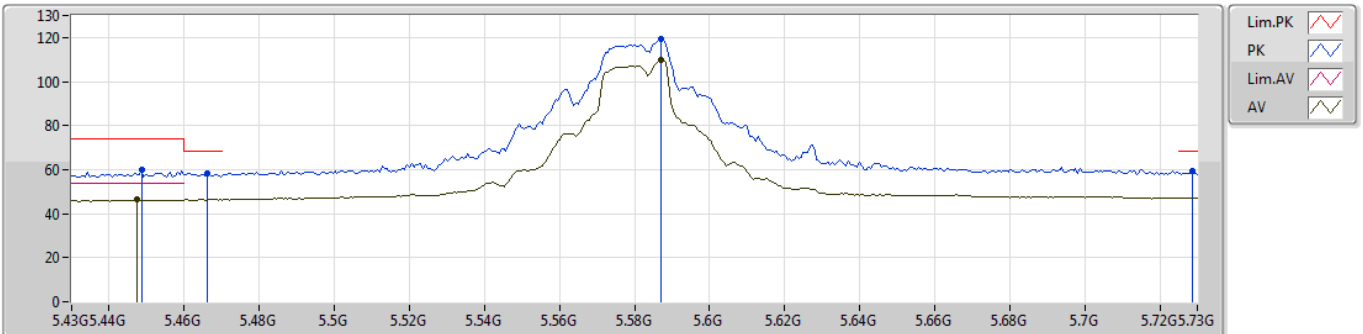

EUT Y_4TX
Setting 93
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	5.445G	58.85	74.00	-15.15	8.52	3	Vertical	322	1.36	-						
AV	5.4546G	46.76	54.00	-7.24	8.54	3	Vertical	322	1.36	-						
PK	5.4642G	60.34	68.20	-7.86	8.55	3	Vertical	322	1.36	-						
PK	5.5836G	122.49	Inf	-Inf	8.64	3	Vertical	322	1.36	-						
AV	5.5836G	112.84	Inf	-Inf	8.64	3	Vertical	322	1.36	-						
PK	5.73G	59.78	68.20	-8.42	8.81	3	Vertical	322	1.36	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5580MHz_TX

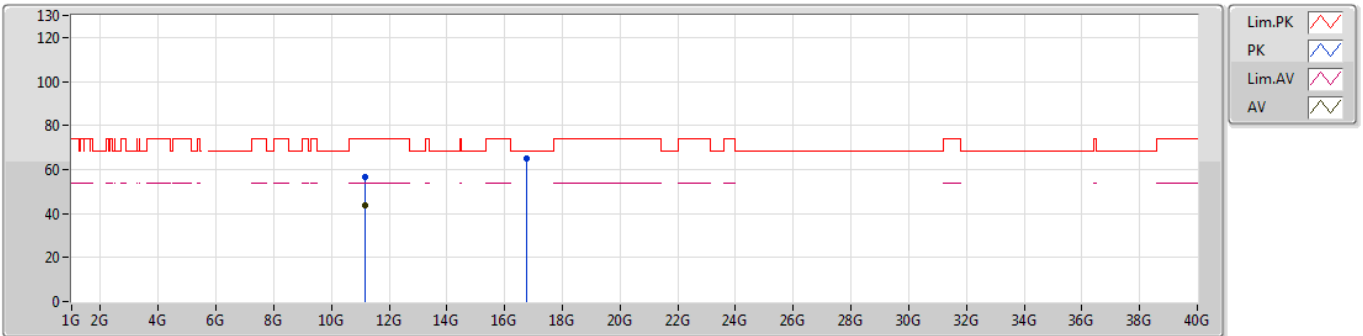

EUT Y_4TX
Setting 93
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4486G	60.06	74.00	-13.94	8.52	3	Horizontal	313	1.99	-
AV	5.4474G	46.24	54.00	-7.76	8.52	3	Horizontal	313	1.99	-
PK	5.466G	58.44	68.20	-9.76	8.56	3	Horizontal	313	1.99	-
PK	5.5872G	119.46	Inf	-Inf	8.64	3	Horizontal	313	1.99	-
AV	5.5872G	110.09	Inf	-Inf	8.64	3	Horizontal	313	1.99	-
PK	5.7288G	59.26	68.20	-8.94	8.81	3	Horizontal	313	1.99	-

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5580MHz_TX

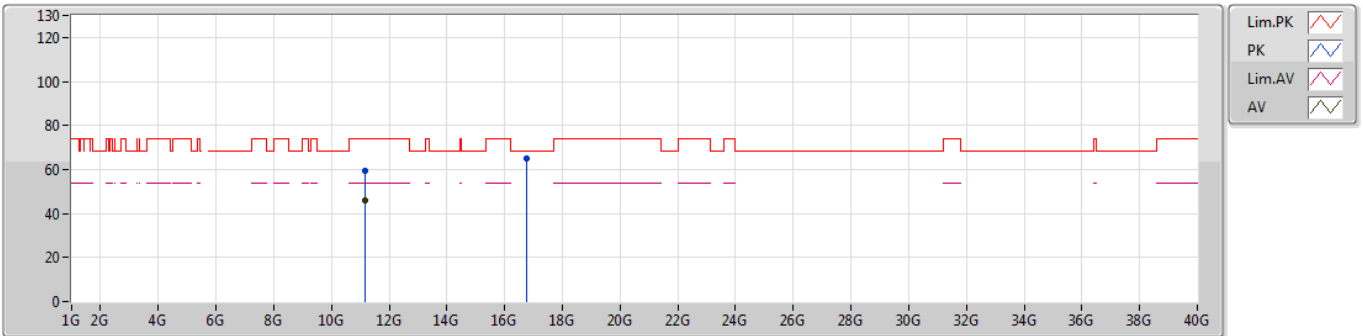

EUT Y_4TX
Setting 93
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.16352G	56.56	74.00	-17.44	14.49	3	Vertical	118	2.62	-						
AV	11.16284G	43.58	54.00	-10.42	14.49	3	Vertical	118	2.62	-						
PK	16.74148G	65.17	68.20	-3.03	18.18	3	Vertical	31	2.61	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5580MHz_TX

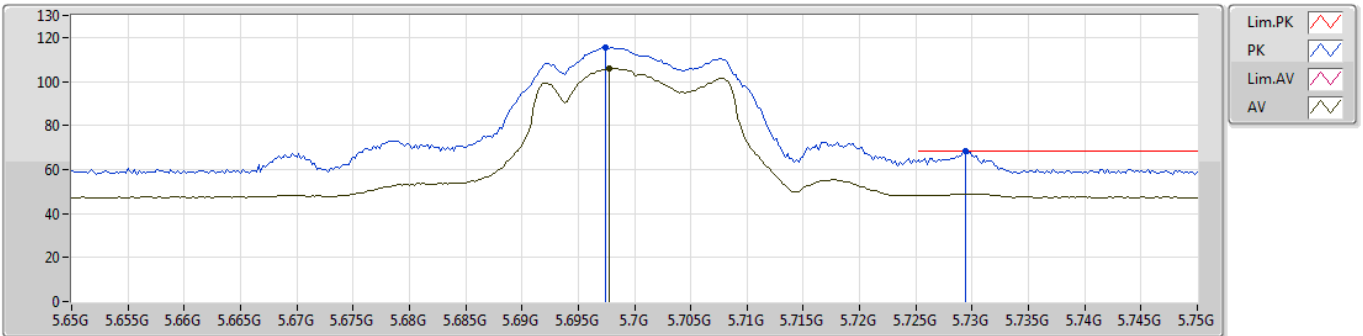

EUT Y_4TX
Setting 93
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.15608G	59.45	74.00	-14.55	14.47	3	Horizontal	66	2.19	-						
AV	11.15612G	45.82	54.00	-8.18	14.47	3	Horizontal	66	2.19	-						
PK	16.7412G	64.83	68.20	-3.37	18.18	3	Horizontal	67	2.76	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5700MHz_TX



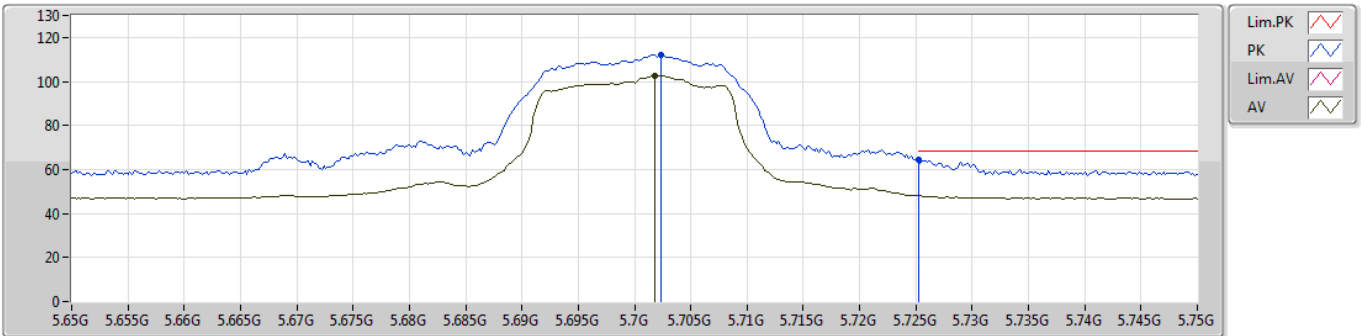
EUT_Y_4TX
Setting 66
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6974G	115.43	Inf	-Inf	8.77	3	Vertical	214	2.09	-
AV	5.6978G	105.84	Inf	-Inf	8.77	3	Vertical	214	2.09	-
PK	5.7294G	68.13	68.20	-0.07	8.81	3	Vertical	214	2.09	-

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5700MHz_TX



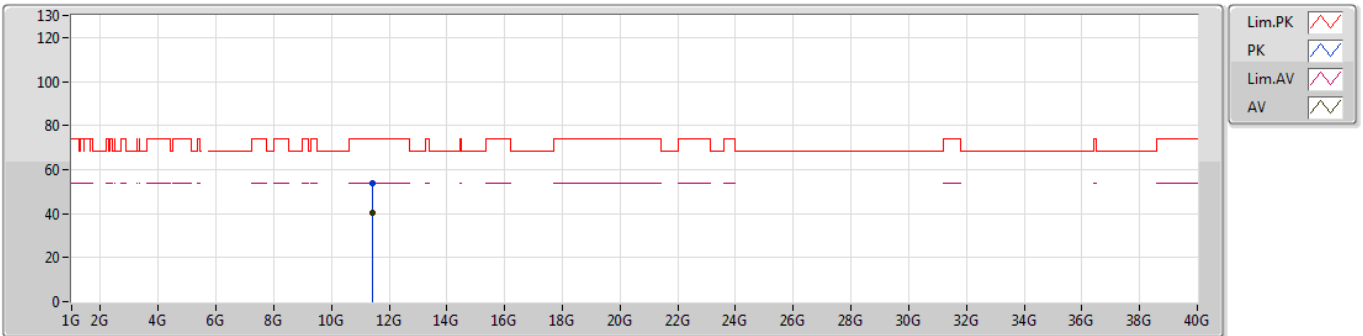
EUT_Y_4TX
Setting 66
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7024G	112.32	Inf	-Inf	8.77	3	Horizontal	353	1.99	-
AV	5.7018G	102.46	Inf	-Inf	8.77	3	Horizontal	353	1.99	-
PK	5.7252G	64.25	68.20	-3.95	8.80	3	Horizontal	353	1.99	-

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5700MHz_TX



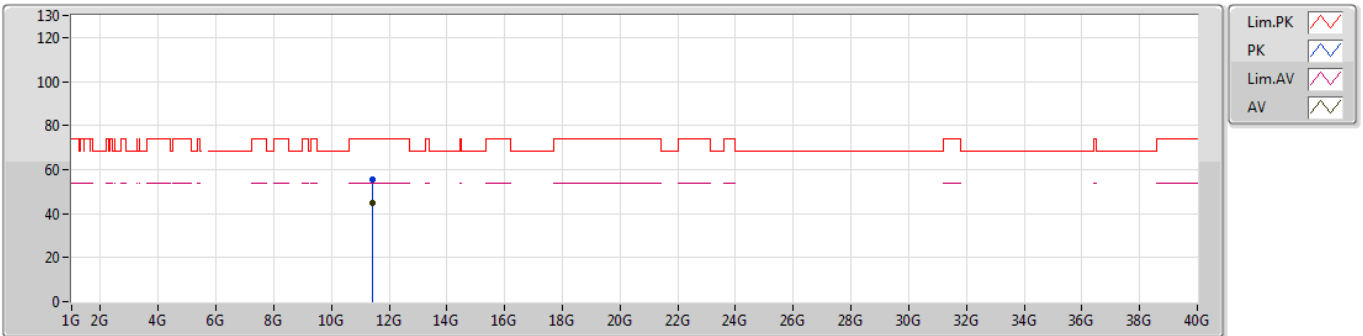
EUT Y_4TX
Setting 66
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.40428G	53.91	74.00	-20.09	14.81	3	Vertical	273	1.77	-
AV	11.40148G	40.43	54.00	-13.57	14.81	3	Vertical	273	1.77	-

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5700MHz_TX



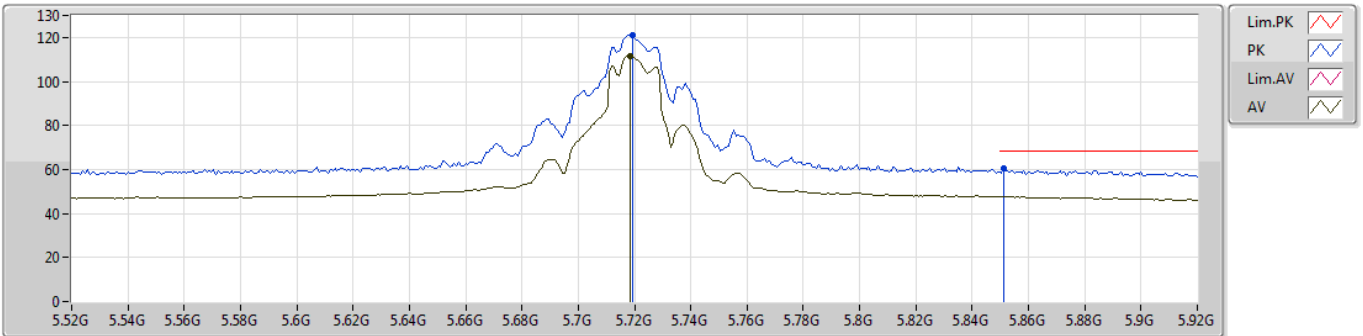
EUT Y_4TX
Setting 66
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.40624G	55.41	74.00	-18.59	14.83	3	Horizontal	194	1.60	-
AV	11.40628G	44.61	54.00	-9.39	14.83	3	Horizontal	194	1.60	-

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5720MHz_TX



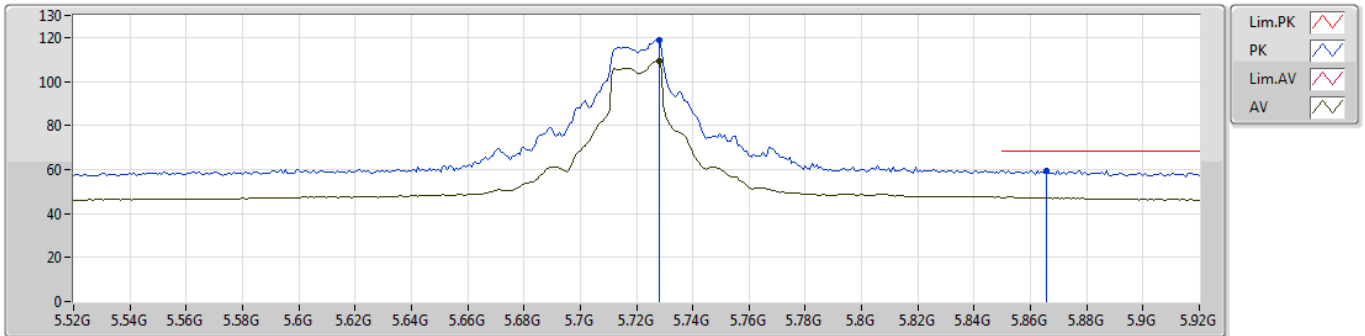
EUT Y_4TX
Setting 93
02-W-3-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	5.7192G	121.06	Inf	-Inf	8.78	3	Vertical	274	2.26	-						
AV	5.7184G	111.61	Inf	-Inf	8.78	3	Vertical	274	2.26	-						
PK	5.8512G	60.33	68.20	-7.87	8.86	3	Vertical	274	2.26	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5720MHz_TX



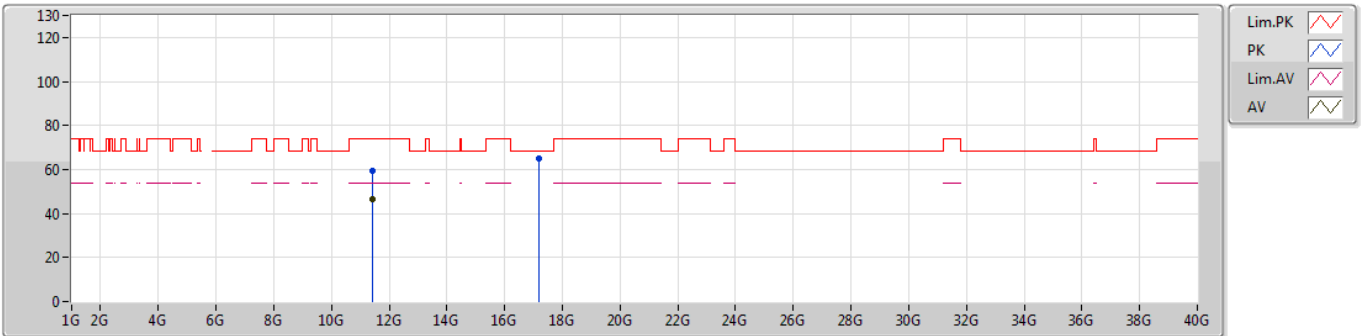
EUT Y_4TX
Setting 93
02-W-3-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	5.728G	118.63	Inf	-Inf	8.81	3	Horizontal	12	1.35	-						
AV	5.728G	109.32	Inf	-Inf	8.81	3	Horizontal	12	1.35	-						
PK	5.8656G	59.64	68.20	-8.56	8.86	3	Horizontal	12	1.35	-						

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5720MHz_TX



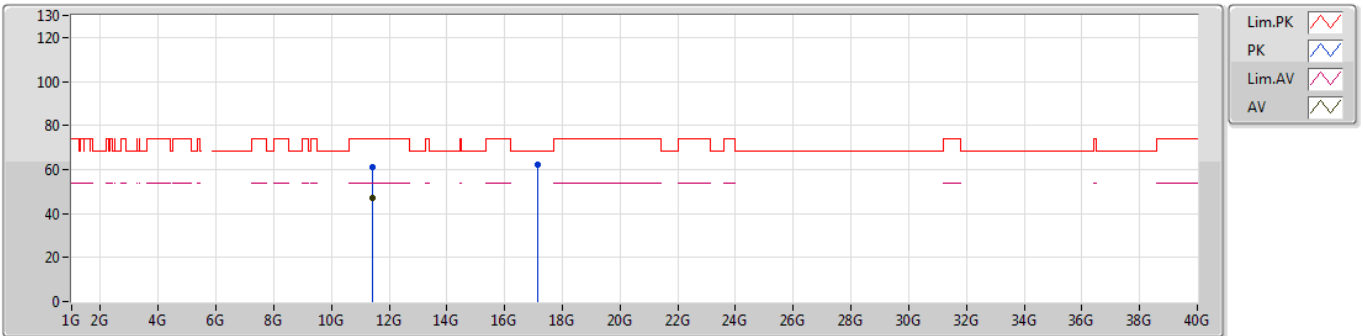
EUT Y_4TX
Setting 93
02-J-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.4406G	59.62	74.00	-14.38	14.87	3	Vertical	258	1.47	-
AV	11.4405G	46.36	54.00	-7.64	14.87	3	Vertical	258	1.47	-
PK	17.1704G	65.02	68.20	-3.18	20.35	3	Vertical	73	1.85	-

802.11a_Nss1,(6Mbps)_4TX

27/05/2019

5720MHz_TX



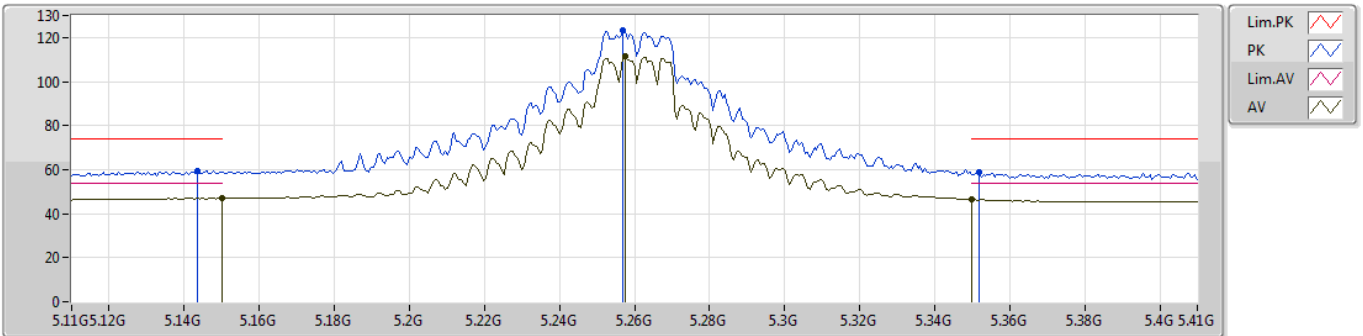
EUT Y_4TX
Setting 93
02-J-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.4351G	60.87	74.00	-13.13	14.86	3	Horizontal	117	2.14	-						
AV	11.4359G	47.26	54.00	-6.74	14.86	3	Horizontal	117	2.14	-						
PK	17.1644G	62.33	68.20	-5.87	20.30	3	Horizontal	151	1.51	-						

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5260MHz_TX

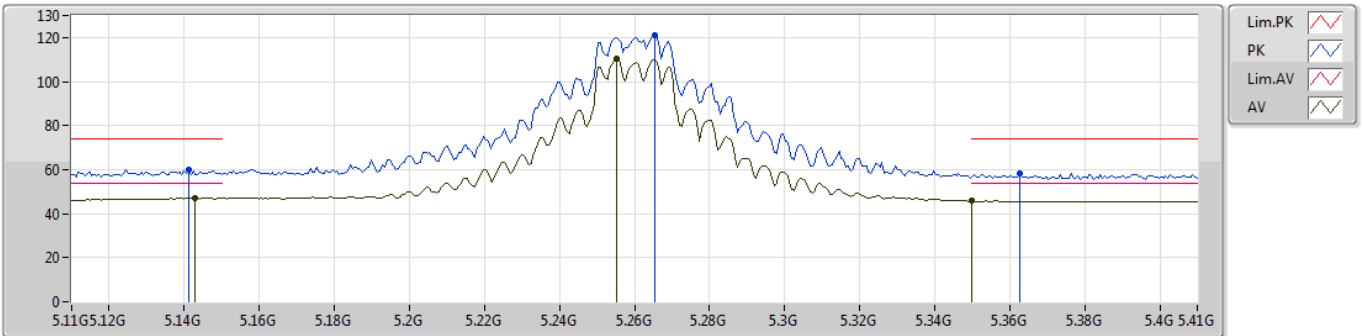

EUT Y_4TX
Setting 95
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1436G	59.55	74.00	-14.45	8.04	3	Vertical	98	1.61	-
AV	5.15G	47.04	54.00	-6.96	8.04	3	Vertical	98	1.61	-
PK	5.257G	123.05	Inf	-Inf	8.25	3	Vertical	98	1.61	-
AV	5.2576G	111.24	Inf	-Inf	8.25	3	Vertical	98	1.61	-
PK	5.3518G	59.11	74.00	-14.89	8.38	3	Vertical	98	1.61	-
AV	5.35G	46.57	54.00	-7.43	8.38	3	Vertical	98	1.61	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5260MHz_TX

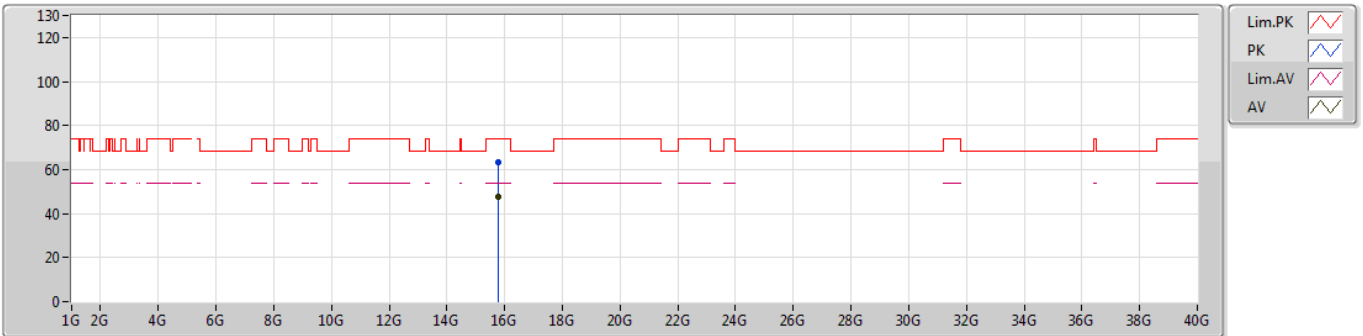

EUT Y_4TX
Setting 95
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1412G	60.21	74.00	-13.79	8.04	3	Horizontal	286	2.99	-
AV	5.143G	47.07	54.00	-6.93	8.04	3	Horizontal	286	2.99	-
PK	5.2654G	121.12	Inf	-Inf	8.26	3	Horizontal	286	2.99	-
AV	5.2552G	110.16	Inf	-Inf	8.25	3	Horizontal	286	2.99	-
PK	5.3626G	58.49	74.00	-15.51	8.39	3	Horizontal	286	2.99	-
AV	5.35G	45.83	54.00	-8.17	8.38	3	Horizontal	286	2.99	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5260MHz_TX



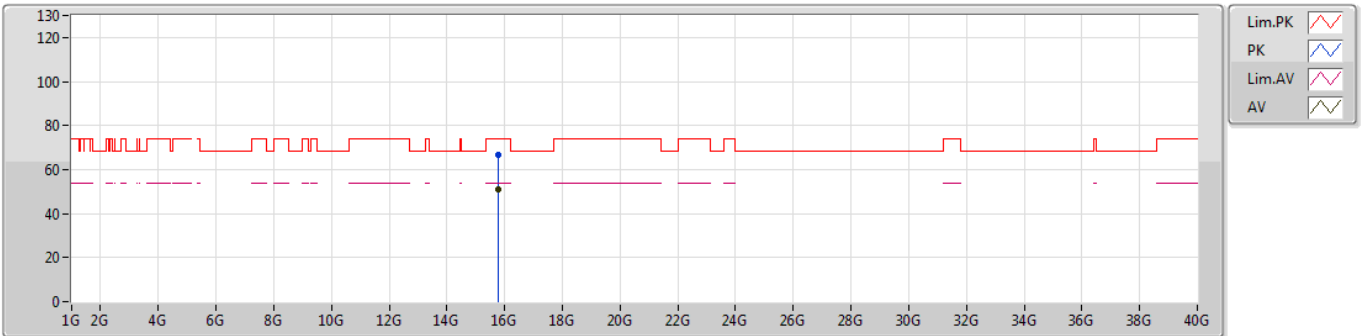
EUT Y_4TX
Setting 95
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.77106G	63.46	74.00	-10.54	15.53	3	Vertical	295	1.22	-						
AV	15.78126G	47.49	54.00	-6.51	15.51	3	Vertical	295	1.22	-						

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5260MHz_TX

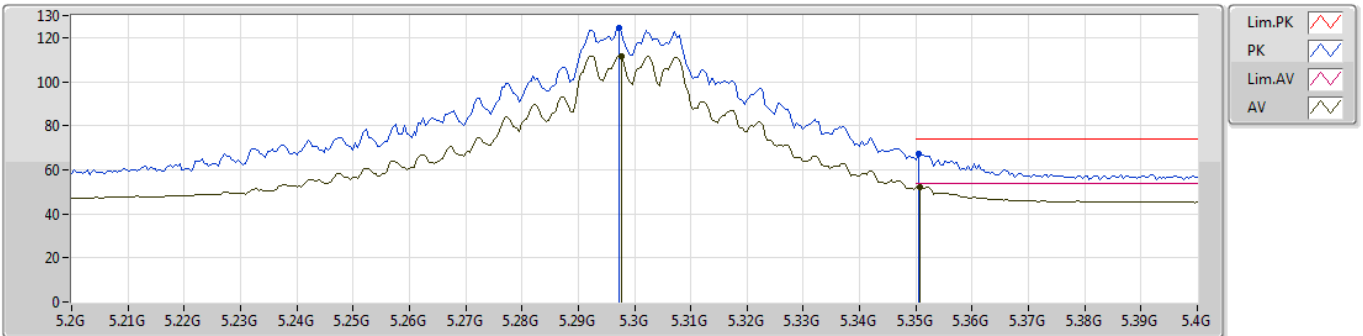

EUT Y_4TX
Setting 95
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.78498G	66.78	74.00	-7.22	15.50	3	Horizontal	292	1.50	-						
AV	15.78012G	50.88	54.00	-3.12	15.52	3	Horizontal	292	1.50	-						

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5300MHz_TX

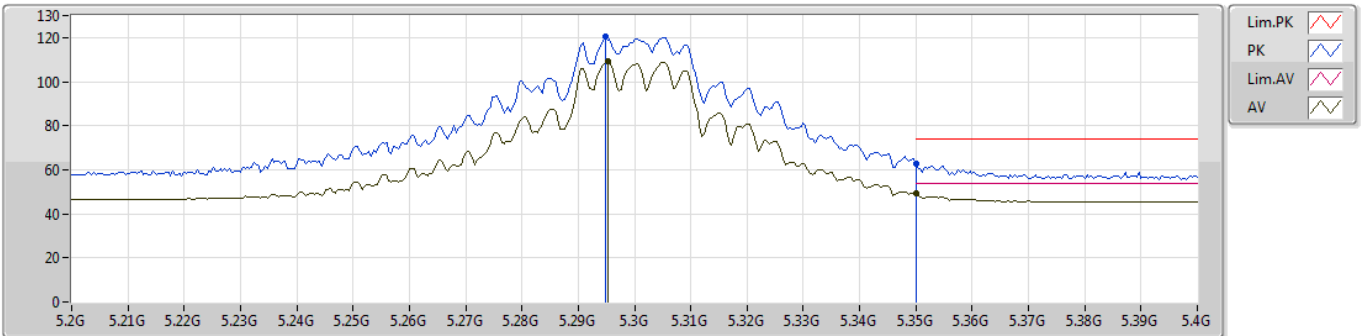

EUT Y_4TX
Setting 95
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.2972G	124.24	Inf	-Inf	8.31	3	Vertical	65	1.50	-
AV	5.2976G	111.70	Inf	-Inf	8.31	3	Vertical	65	1.50	-
PK	5.3504G	67.39	74.00	-6.61	8.38	3	Vertical	65	1.50	-
AV	5.3508G	52.15	54.00	-1.85	8.38	3	Vertical	65	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5300MHz_TX



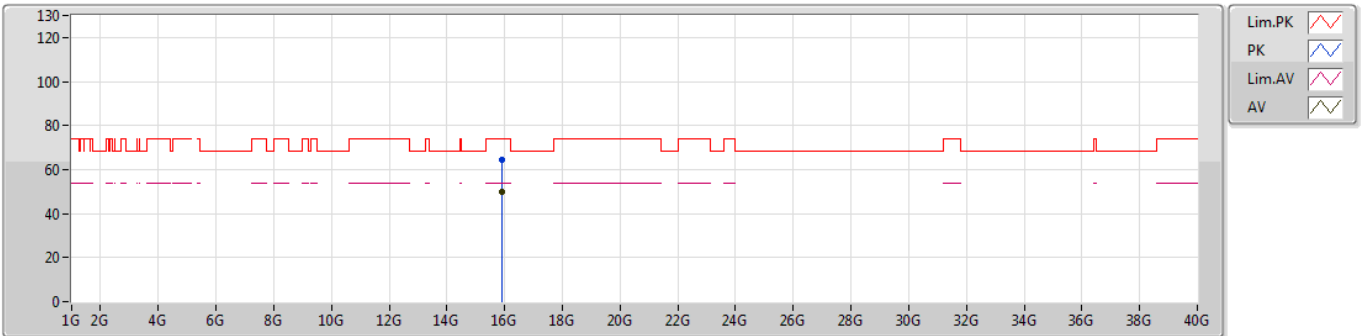
EUT Y_4TX
Setting 95
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.2948G	120.39	Inf	-Inf	8.30	3	Horizontal	320	2.96	-
AV	5.2952G	109.00	Inf	-Inf	8.30	3	Horizontal	320	2.96	-
PK	5.35G	62.77	74.00	-11.23	8.38	3	Horizontal	320	2.96	-
AV	5.35G	49.32	54.00	-4.68	8.38	3	Horizontal	320	2.96	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5300MHz_TX



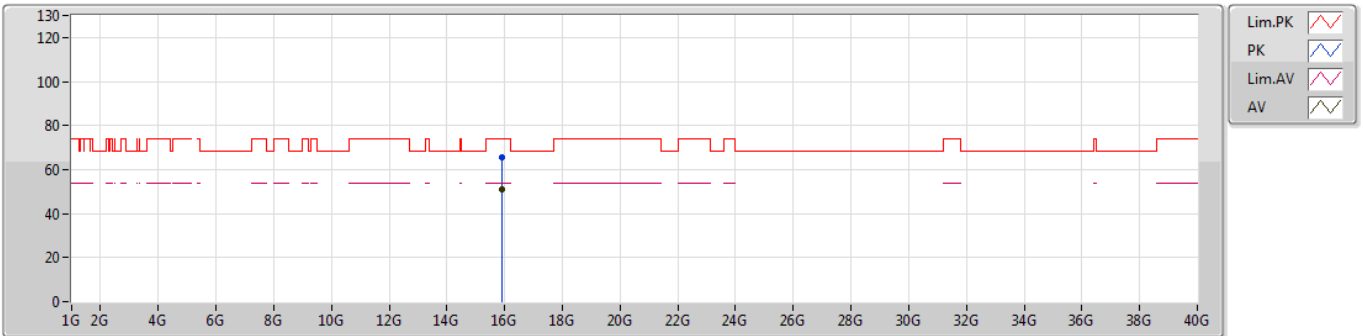
EUT Y_4TX
Setting 95
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.90072G	64.37	74.00	-9.63	15.22	3	Vertical	187	2.94	-						
AV	15.90056G	49.80	54.00	-4.20	15.22	3	Vertical	187	2.94	-						

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5300MHz_TX



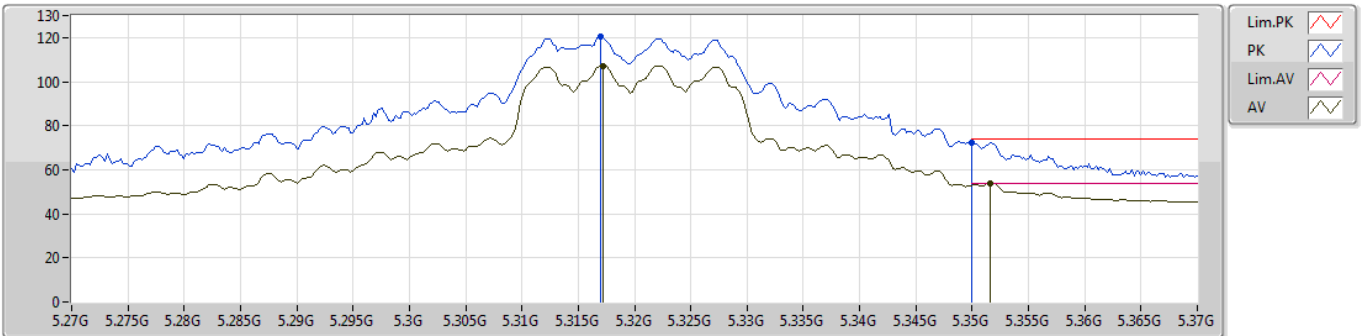
EUT Y_4TX
Setting 95
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.89892G	65.79	74.00	-8.21	15.22	3	Horizontal	286	3.00	-
AV	15.89892G	50.78	54.00	-3.22	15.22	3	Horizontal	286	3.00	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5320MHz_TX

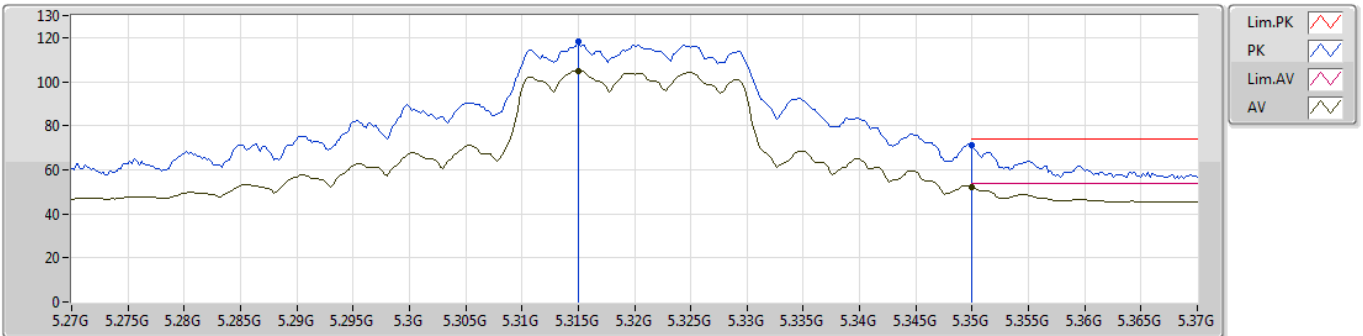

EUT Y_4TX
Setting 82
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.317G	120.45	Inf	-Inf	8.33	3	Vertical	124	1.47	-
AV	5.3172G	107.24	Inf	-Inf	8.33	3	Vertical	124	1.47	-
PK	5.35G	72.16	74.00	-1.84	8.38	3	Vertical	124	1.47	-
AV	5.3516G	53.96	54.00	-0.04	8.38	3	Vertical	124	1.47	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5320MHz_TX

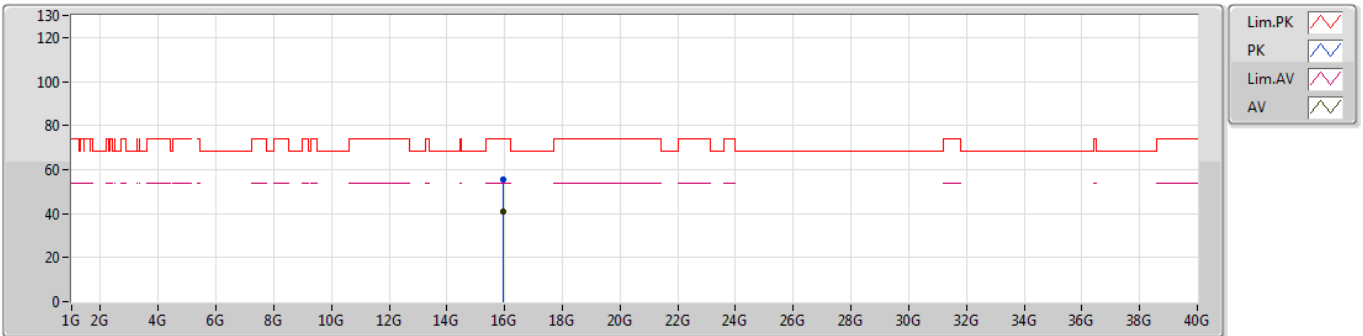

EUT Y_4TX
Setting 82
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.315G	118.12	Inf	-Inf	8.33	3	Horizontal	315	2.96	-
AV	5.315G	104.86	Inf	-Inf	8.33	3	Horizontal	315	2.96	-
PK	5.35G	71.07	74.00	-2.93	8.38	3	Horizontal	315	2.96	-
AV	5.35G	52.00	54.00	-2.00	8.38	3	Horizontal	315	2.96	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5320MHz_TX



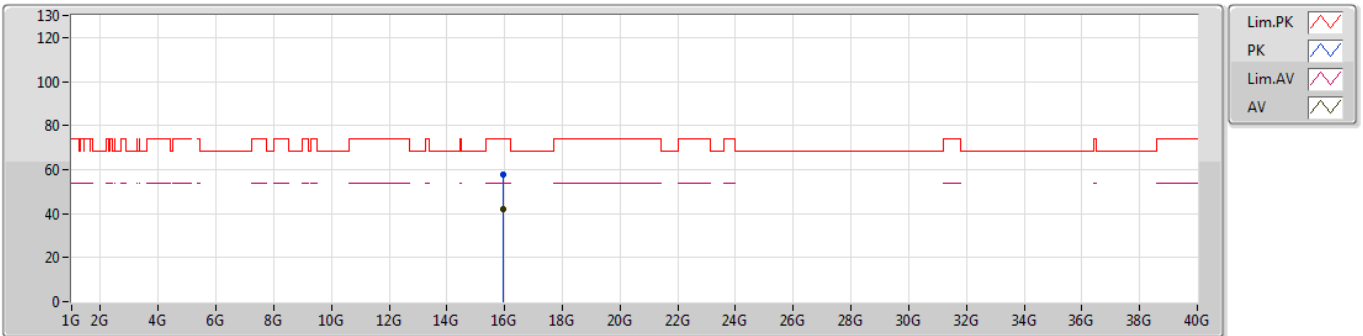
EUT Y_4TX
Setting 82
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.96534G	55.64	74.00	-18.36	15.05	3	Vertical	242	2.94	-
AV	15.96612G	41.15	54.00	-12.85	15.04	3	Vertical	242	2.94	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5320MHz_TX

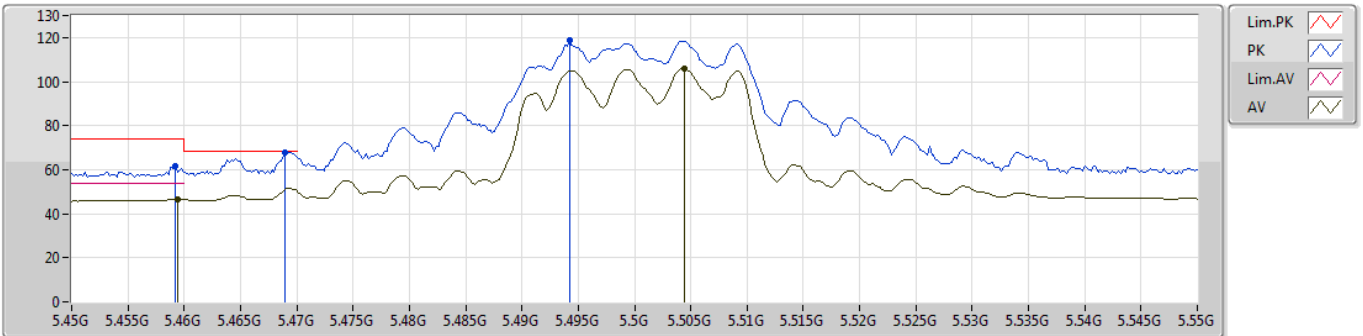

EUT Y_4TX
Setting 82
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.95418G	57.45	74.00	-16.55	15.07	3	Horizontal	327	2.95	-						
AV	15.95916G	42.26	54.00	-11.74	15.06	3	Horizontal	327	2.95	-						

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5500MHz_TX

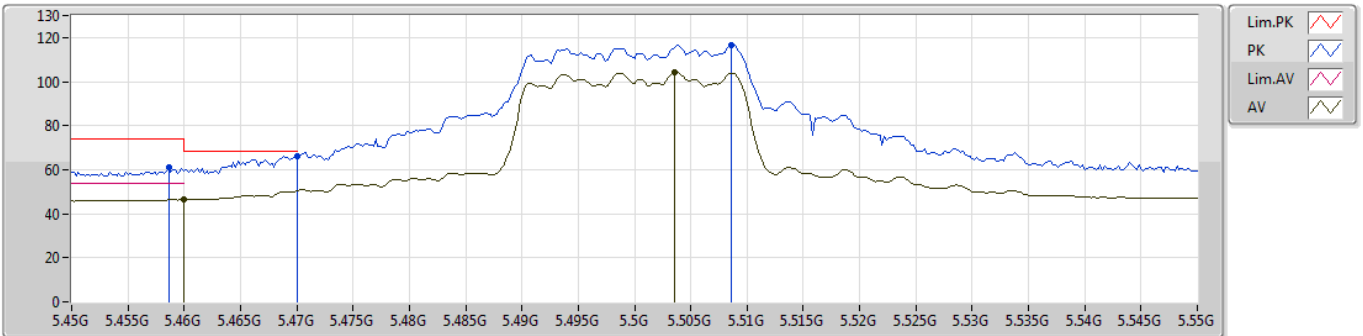

EUT Y_4TX
Setting 75
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4592G	61.41	74.00	-12.59	8.55	3	Vertical	16	1.79	-
AV	5.4594G	46.61	54.00	-7.39	8.55	3	Vertical	16	1.79	-
PK	5.469G	68.08	68.20	-0.12	8.56	3	Vertical	16	1.79	-
PK	5.4942G	119.03	Inf	-Inf	8.61	3	Vertical	16	1.79	-
AV	5.5044G	105.69	Inf	-Inf	8.62	3	Vertical	16	1.79	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5500MHz_TX

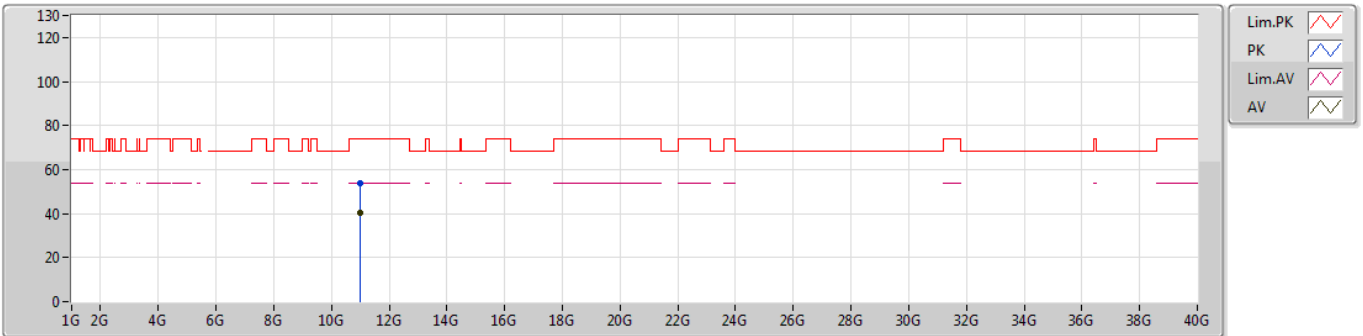

EUT Y_4TX
Setting 75
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	5.4586G	61.33	74.00	-12.67	8.55	3	Horizontal	351	2.15	-						
AV	5.46G	46.40	54.00	-7.60	8.55	3	Horizontal	351	2.15	-						
PK	5.47G	66.21	68.20	-1.99	8.56	3	Horizontal	351	2.15	-						
PK	5.5086G	116.62	Inf	-Inf	8.62	3	Horizontal	351	2.15	-						
AV	5.5036G	104.02	Inf	-Inf	8.62	3	Horizontal	351	2.15	-						

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5500MHz_TX



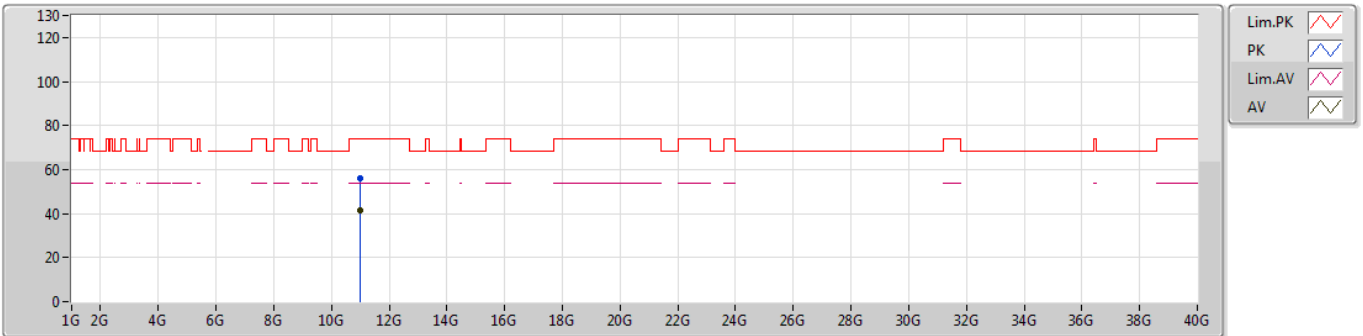
EUT Y_4TX
Setting 75
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.00044G	53.77	74.00	-20.23	14.26	3	Vertical	215	1.54	-
AV	10.99784G	40.14	54.00	-13.86	14.26	3	Vertical	215	1.54	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5500MHz_TX



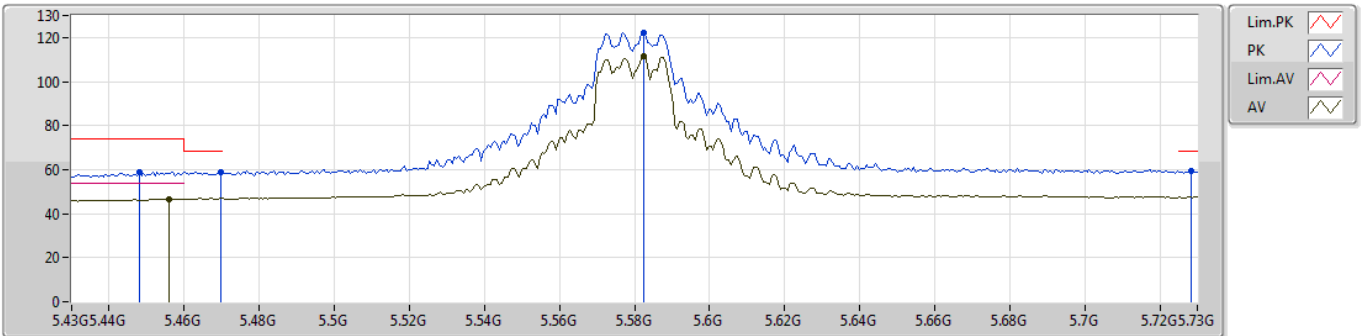
EUT Y_4TX
Setting 75
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.99708G	55.84	74.00	-18.16	14.26	3	Horizontal	79	2.28	-
AV	10.99716G	41.56	54.00	-12.44	14.26	3	Horizontal	79	2.28	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5580MHz_TX



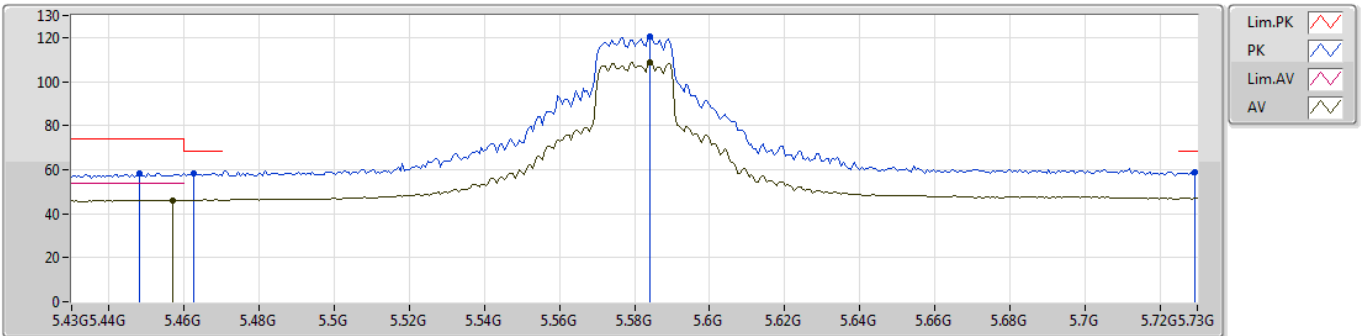
EUT Y_4TX
Setting 89
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.448G	58.99	74.00	-15.01	8.52	3	Vertical	166	2.93	-
AV	5.4558G	46.63	54.00	-7.37	8.54	3	Vertical	166	2.93	-
PK	5.4696G	58.81	68.20	-9.39	8.56	3	Vertical	166	2.93	-
PK	5.5824G	122.16	Inf	-Inf	8.64	3	Vertical	166	2.93	-
AV	5.5824G	111.23	Inf	-Inf	8.64	3	Vertical	166	2.93	-
PK	5.7282G	59.60	68.20	-8.60	8.81	3	Vertical	166	2.93	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5580MHz_TX

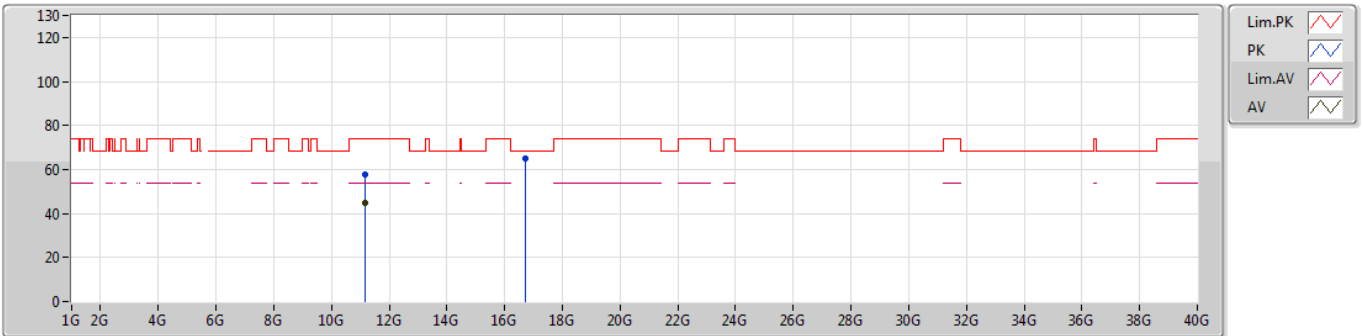

EUT Y_4TX
Setting 89
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.448G	58.39	74.00	-15.61	8.52	3	Horizontal	95	2.61	-
AV	5.457G	46.21	54.00	-7.79	8.54	3	Horizontal	95	2.61	-
PK	5.4624G	58.45	68.20	-9.75	8.55	3	Horizontal	95	2.61	-
PK	5.5842G	120.41	Inf	-Inf	8.64	3	Horizontal	95	2.61	-
AV	5.5842G	108.77	Inf	-Inf	8.64	3	Horizontal	95	2.61	-
PK	5.7294G	58.87	68.20	-9.33	8.81	3	Horizontal	95	2.61	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5580MHz_TX

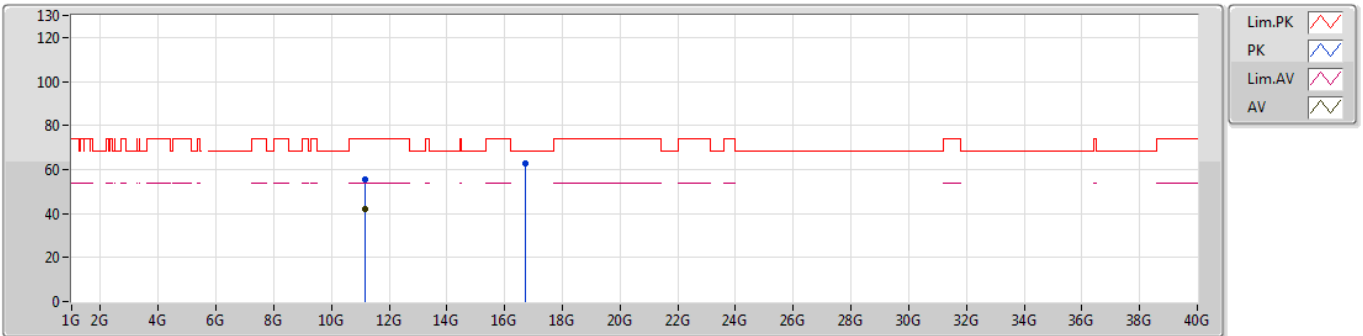

EUT Y_4TX
Setting 89
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.162G	57.87	74.00	-16.13	14.49	3	Vertical	116	1.86	-						
AV	11.16204G	44.82	54.00	-9.18	14.49	3	Vertical	116	1.86	-						
PK	16.73092G	64.99	68.20	-3.21	18.14	3	Vertical	15	1.94	-						

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5580MHz_TX



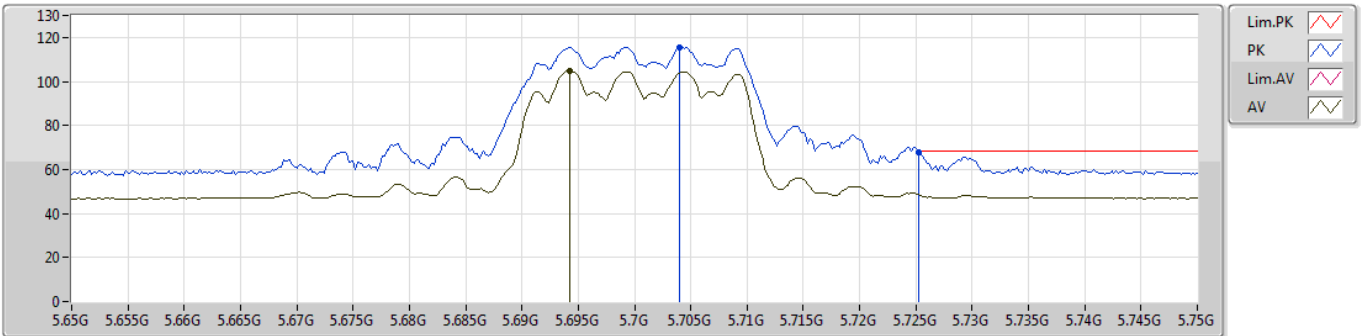
EUT Y_4TX
Setting 89
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.16208G	55.22	74.00	-18.78	14.49	3	Horizontal	144	2.32	-						
AV	11.16196G	42.25	54.00	-11.75	14.49	3	Horizontal	144	2.32	-						
PK	16.7309G	62.99	68.20	-5.21	18.14	3	Horizontal	108	1.56	-						

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5700MHz_TX



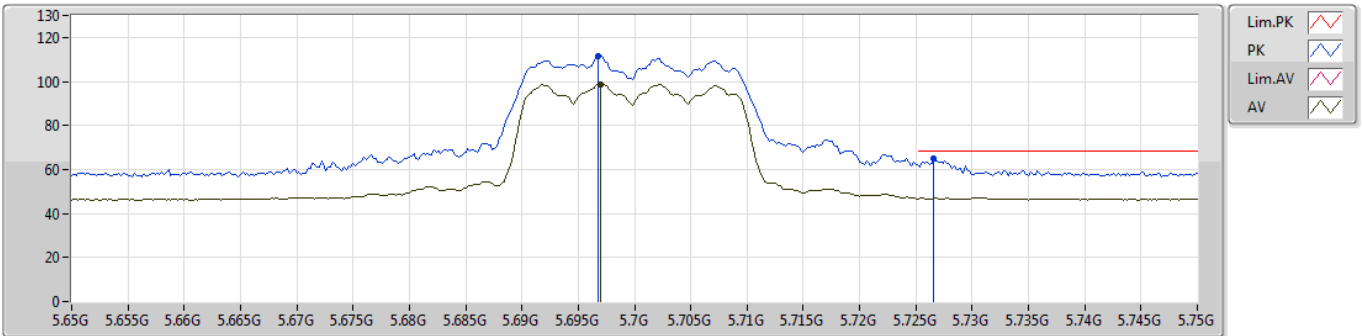
EUT Y_4TX
Setting 55
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.704G	115.67	Inf	-Inf	8.78	3	Vertical	197	2.41	-
AV	5.6942G	104.84	Inf	-Inf	8.76	3	Vertical	197	2.41	-
PK	5.7252G	67.97	68.20	-0.23	8.80	3	Vertical	197	2.41	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5700MHz_TX

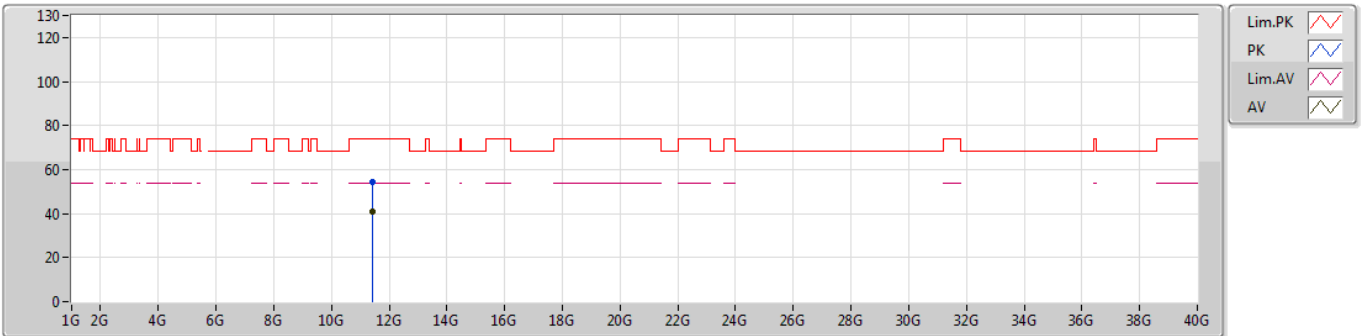

EUT Y_4TX
Setting 55
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6968G	111.66	Inf	-Inf	8.77	3	Horizontal	33	2.20	-
AV	5.697G	98.64	Inf	-Inf	8.77	3	Horizontal	33	2.20	-
PK	5.7266G	64.87	68.20	-3.33	8.80	3	Horizontal	33	2.20	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5700MHz_TX



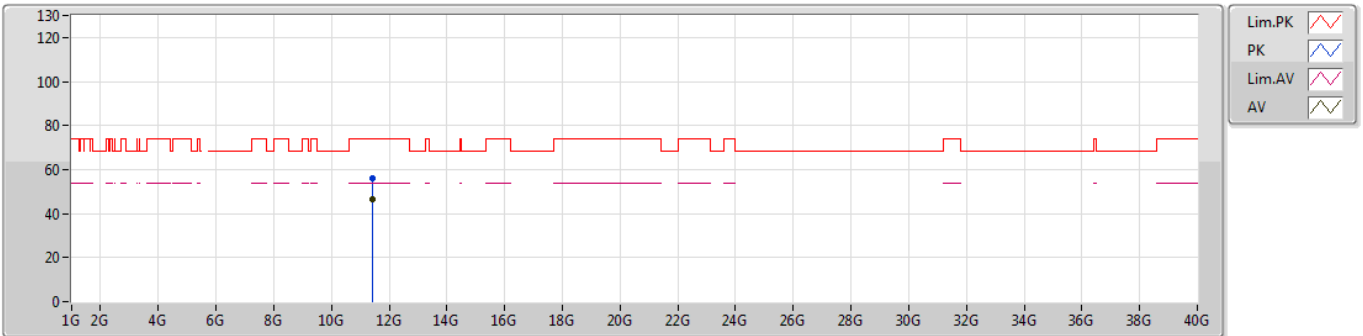
EUT Y_4TX
Setting 55
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.40432G	54.24	74.00	-19.76	14.81	3	Vertical	39	2.37	-						
AV	11.40624G	40.80	54.00	-13.20	14.83	3	Vertical	39	2.37	-						

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5700MHz_TX

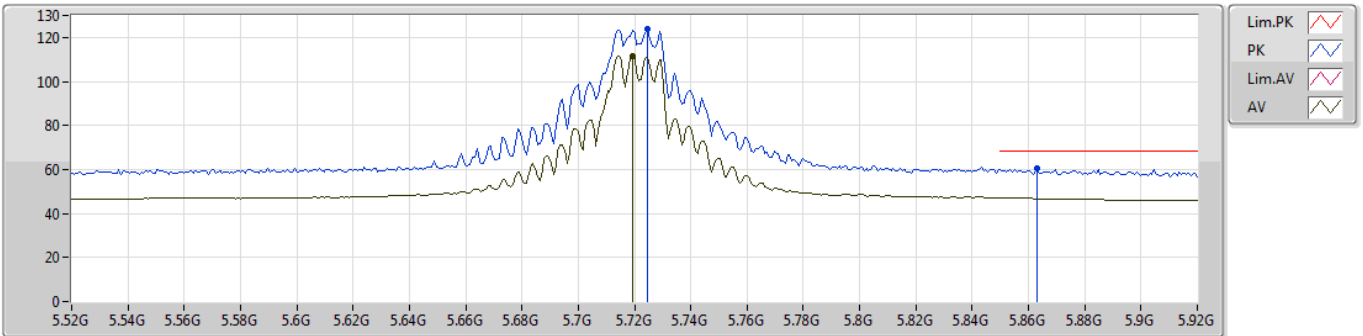

EUT Y_4TX
Setting 55
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.40588G	55.85	74.00	-18.15	14.83	3	Horizontal	205	2.21	-
AV	11.40628G	46.52	54.00	-7.48	14.83	3	Horizontal	205	2.21	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5720MHz_TX

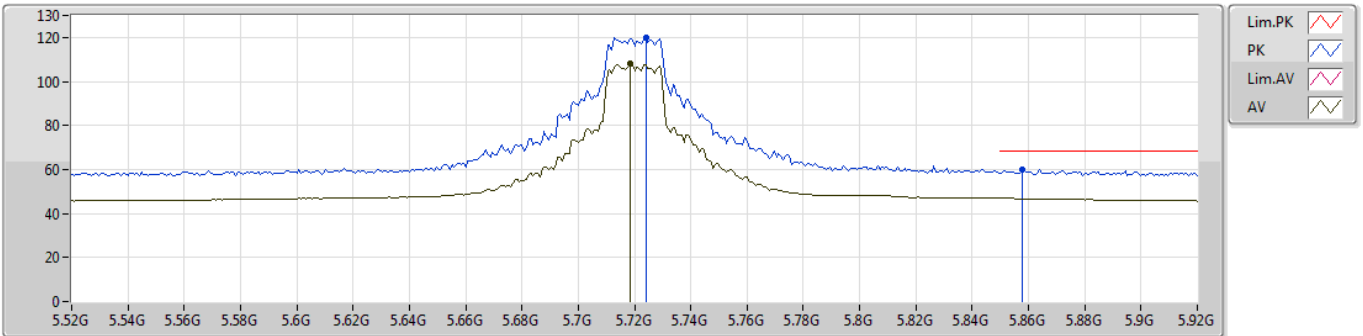

EUT Y_4TX
Setting 93
02-W-3-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7248G	123.69	Inf	-Inf	8.79	3	Vertical	281	2.44	-
AV	5.7192G	111.62	Inf	-Inf	8.78	3	Vertical	281	2.44	-
PK	5.8632G	60.29	68.20	-7.91	8.86	3	Vertical	281	2.44	-

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5720MHz_TX

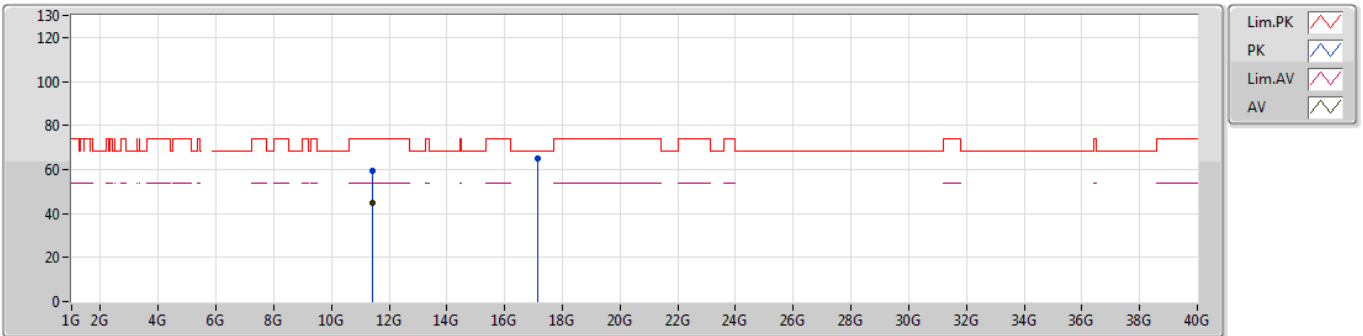

EUT Y_4TX
Setting 93
02-W-3-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	5.724G	119.74	Inf	-Inf	8.79	3	Horizontal	5	1.39	-						
AV	5.7184G	108.02	Inf	-Inf	8.78	3	Horizontal	5	1.39	-						
PK	5.8576G	60.20	68.20	-8.00	8.86	3	Horizontal	5	1.39	-						

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5720MHz_TX



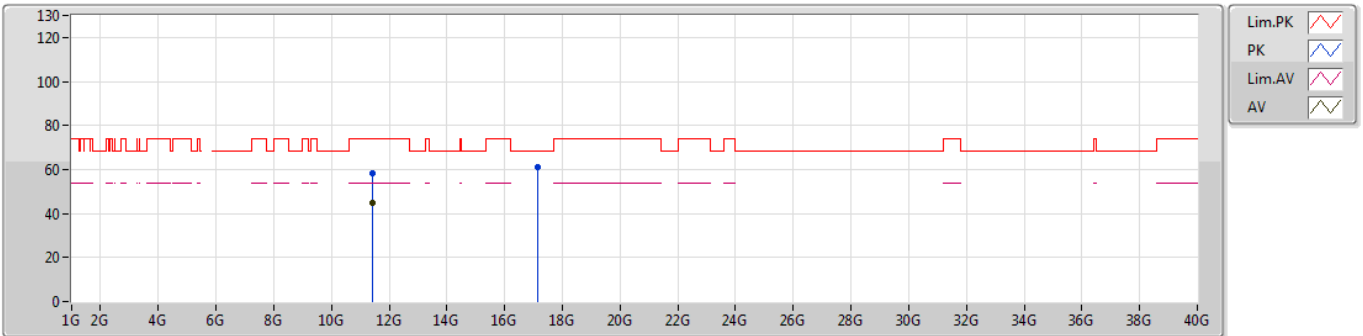
EUT Y_4TX
Setting 93
02-J-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.4425G	59.44	74.00	-14.56	14.87	3	Vertical	264	1.97	-						
AV	11.4374G	44.93	54.00	-9.07	14.86	3	Vertical	264	1.97	-						
PK	17.1508G	65.15	68.20	-3.05	20.21	3	Vertical	74	1.88	-						

802.11ax HEW20_Nss1,(MCS0)_4TX

27/05/2019

5720MHz_TX

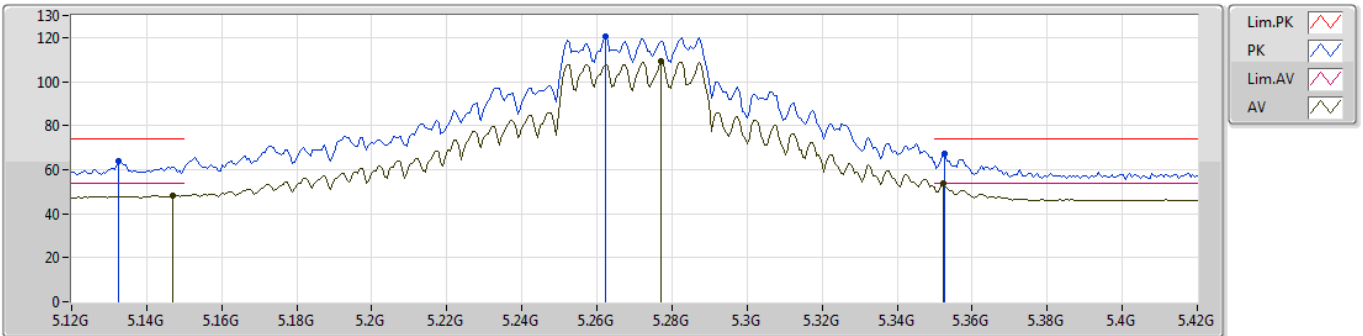

EUT Y_4TX
Setting 93
02-J-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	11.4384G	58.26	74.00	-15.74	14.86	3	Horizontal	189	1.50	-						
AV	11.4381G	44.77	54.00	-9.23	14.86	3	Horizontal	189	1.50	-						
PK	17.1503G	61.28	68.20	-6.92	20.21	3	Horizontal	143	1.82	-						

802.11ax HEW40_Nss1,(MCS0)_4TX

27/05/2019

5270MHz_TX

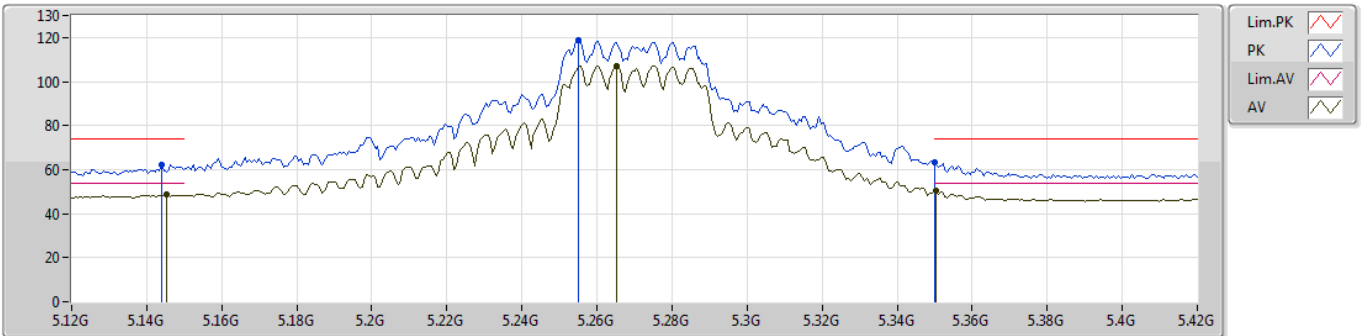

EUT Y_4TX
Setting 87
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1326G	64.08	74.00	-9.92	8.02	3	Vertical	105	1.49	-
AV	5.147G	48.28	54.00	-5.72	8.04	3	Vertical	105	1.49	-
PK	5.2622G	120.23	Inf	-Inf	8.25	3	Vertical	105	1.49	-
AV	5.2772G	109.02	Inf	-Inf	8.27	3	Vertical	105	1.49	-
PK	5.3528G	67.30	74.00	-6.70	8.38	3	Vertical	105	1.49	-
AV	5.3522G	53.88	54.00	-0.12	8.38	3	Vertical	105	1.49	-

802.11ax HEW40_Nss1,(MCS0)_4TX

27/05/2019

5270MHz_TX

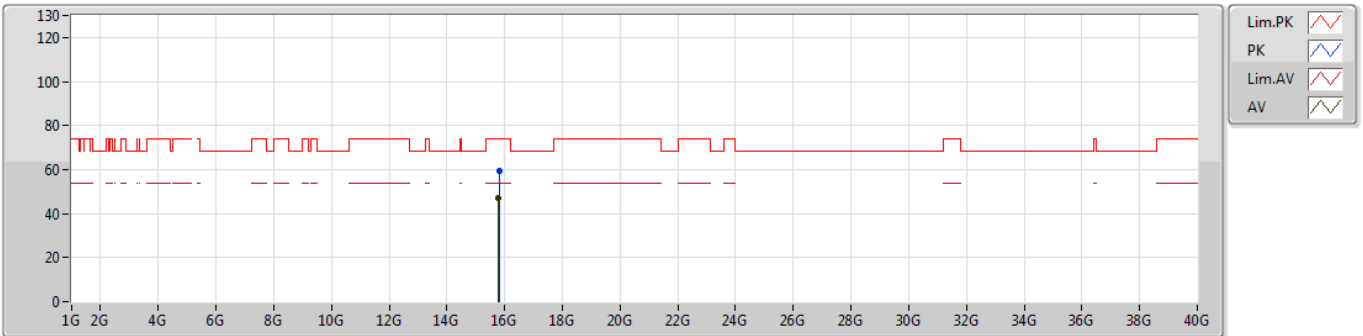

EUT Y_4TX
Setting 87
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.144G	62.01	74.00	-11.99	8.04	3	Horizontal	305	3.00	-
AV	5.1452G	48.49	54.00	-5.51	8.04	3	Horizontal	305	3.00	-
PK	5.255G	118.77	Inf	-Inf	8.25	3	Horizontal	305	3.00	-
AV	5.2652G	107.24	Inf	-Inf	8.26	3	Horizontal	305	3.00	-
PK	5.35G	63.52	74.00	-10.48	8.38	3	Horizontal	305	3.00	-
AV	5.3504G	50.26	54.00	-3.74	8.38	3	Horizontal	305	3.00	-

802.11ax HEW40_Nss1,(MCS0)_4TX

27/05/2019

5270MHz_TX

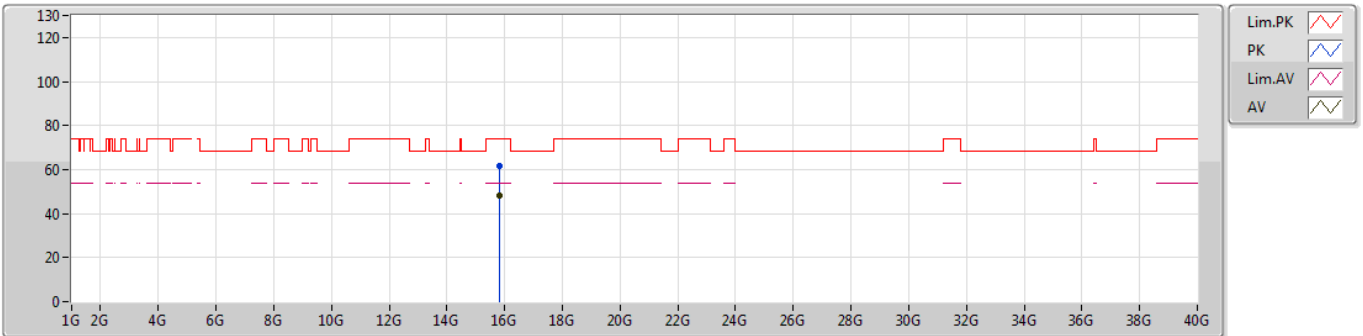

EUT Y_4TX
Setting 87
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.8109G	59.67	74.00	-14.33	15.44	3	Vertical	237	2.94	-						
AV	15.7955G	46.89	54.00	-7.11	15.47	3	Vertical	237	2.94	-						

802.11ax HEW40_Nss1,(MCS0)_4TX

27/05/2019

5270MHz_TX

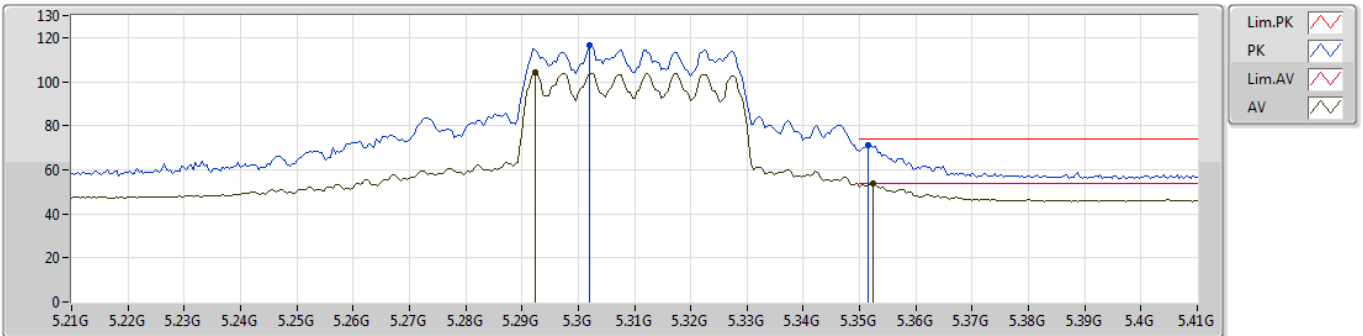

EUT Y_4TX
Setting 87
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.8089G	61.61	74.00	-12.39	15.45	3	Horizontal	327	3.00	-						
AV	15.8042G	47.94	54.00	-6.06	15.46	3	Horizontal	327	3.00	-						

802.11ax HEW40_Nss1,(MCS0)_4TX

27/05/2019

5310MHz_TX



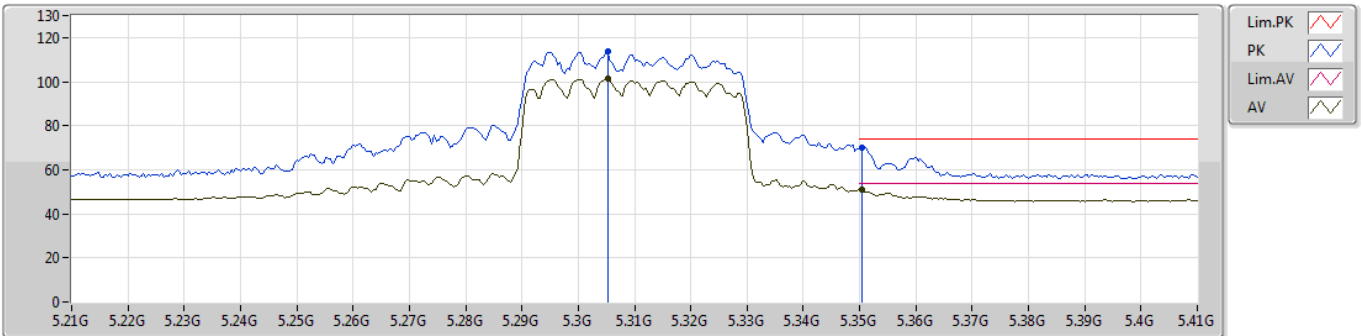
EUT Y_4TX
Setting 71
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.302G	116.45	Inf	-Inf	8.31	3	Vertical	117	1.47	-
AV	5.2924G	104.25	Inf	-Inf	8.30	3	Vertical	117	1.47	-
PK	5.3516G	71.19	74.00	-2.81	8.38	3	Vertical	117	1.47	-
AV	5.3524G	53.79	54.00	-0.21	8.38	3	Vertical	117	1.47	-

802.11ax HEW40_Nss1,(MCS0)_4TX

27/05/2019

5310MHz_TX

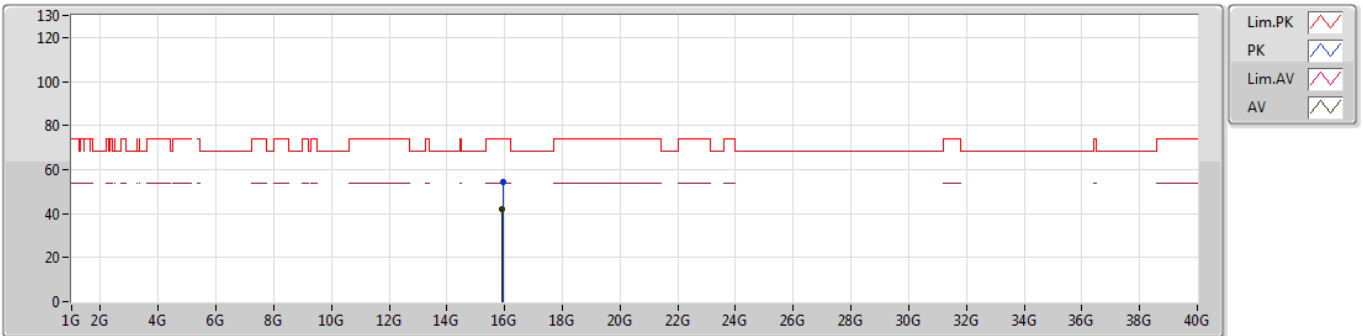

EUT Y_4TX
Setting 71
02-N-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3052G	113.59	Inf	-Inf	8.32	3	Horizontal	300	2.97	-
AV	5.3052G	101.28	Inf	-Inf	8.32	3	Horizontal	300	2.97	-
PK	5.3504G	69.87	74.00	-4.13	8.38	3	Horizontal	300	2.97	-
AV	5.3504G	50.95	54.00	-3.05	8.38	3	Horizontal	300	2.97	-

802.11ax HEW40_Nss1,(MCS0)_4TX

27/05/2019

5310MHz_TX



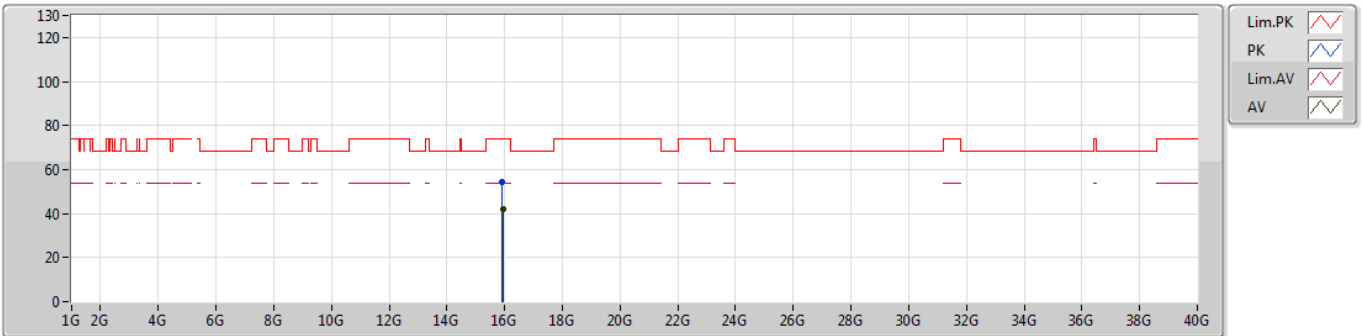
EUT Y_4TX
Setting 71
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.93588G	54.48	74.00	-19.52	15.12	3	Vertical	357	2.83	-
AV	15.9231G	41.83	54.00	-12.17	15.15	3	Vertical	357	2.83	-

802.11ax HEW40_Nss1,(MCS0)_4TX

27/05/2019

5310MHz_TX



EUT Y_4TX
Setting 71
02-N-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	15.92058G	54.20	74.00	-19.80	15.15	3	Horizontal	198	1.09	-						
AV	15.93834G	41.85	54.00	-12.15	15.11	3	Horizontal	198	1.09	-						