



FCC Test Report

FCC ID : TOR-C230
Equipment : 802.11 a/n/ac/ax + b/g/n/ax Access Point
Brand Name : Arista
Model Name : C-230, C-230E, O-235, O-235E
Applicant : Arista Networks, Inc.
5453 Great America Parkway, Santa Clara, CA 95054
Manufacturer : Arista Networks, Inc.
5453 Great America Parkway, Santa Clara, CA 95054
Standard : 47 CFR FCC Part 15.407

The product was received on Feb. 26, 2020, and testing was started from Mar. 05, 2020 and completed on May 27, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The 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: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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



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History of this test report

TEL : 886-3-3273456
FAX : 886-3-3270973
Report Template No.: HE1-D1 Ver.2.7
FCC ID: TOR-C230

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.3	15.203	Antenna Requirement	PASS	-
-	15.207	AC Power-line Conducted Emissions	Not Performed	-
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

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

Comments and explanations:

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

Reviewed by: Ben Tseng

Report Producer: Debby Hung



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(HEW 20)	5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5250-5350	n (HT40), ac (VHT40), ax(HEW 40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5250-5350	ac (VHT80), ax(HEW 80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]

Non-Beamforming Radio 1

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	4TX
5.47-5.725GHz	802.11a	20	4TX
5.725-5.85GHz	802.11a	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80+80	80	2TX(Port 1/2)
5.25-5.35GHz	802.11ac VHT80+80	80	2TX(Port 3/4)
5.47-5.725GHz	802.11ac VHT80+80	160	4TX
5.25-5.35GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX



Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW80+80	80	2TX(Port 1/2)
5.25-5.35GHz	802.11ax HEW80+80	80	2TX(Port 3/4)
5.47-5.725GHz	802.11ax HEW80+80	160	4TX

Radio 3

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

Beamforming**Radio 1**

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80+80	80	2TX(Port 1/2)
5.25-5.35GHz	802.11ac VHT80+80	80	2TX(Port 3/4)
5.47-5.725GHz	802.11ac VHT80+80	160	4TX
5.25-5.35GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX
5.25-5.35GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW80+80	80	2TX(Port 1/2)
5.25-5.35GHz	802.11ax HEW80+80	80	2TX(Port 3/4)
5.47-5.725GHz	802.11ax HEW80+80	160	4TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ The resource unit of HEW 20, HEW 40, HEW 80 only support full loading.

1.1.2 Table for 80+80 MHz Mode

Type	Channel No.	Frequency
1	42+58	5210+5290 MHz
2	106+122	5530+5610 MHz

1.1.3 Antenna Information

(C-230, O-235) Internal Antenna

Ant.	Brand	Model Number	Antenna Type	Connector	Antenna Gain (dBi)			Cable Loss	Remark	
					2.4GHz	5GHz	BLE		2.4GHz	5GHz
1	Senao	5718A0507300	PIFA	I-Pex	3.80	5.98	-	N/A	Radio 2	Radio 1
2	Senao	5718A0508300	PIFA	I-Pex	5.23	5.54	-		Radio 2	Radio 1
3	Senao	5718A0509300	PIFA	I-Pex	4.44	5.97	-		Radio 3	
4	Senao	5718A0510300	PIFA	I-Pex	4.41	5.78	-		Radio 3	
5	Senao	5718A0511300	PIFA	I-Pex	-	5.54	-		-	Radio 1
6	Senao	5718A0512300	PIFA	I-Pex	-	5.53	-		-	Radio 1
7	Senao	5718A0513300	PIFA	I-Pex	-	-	3.87		-	-

Note: The antenna gain of angle above 30 degrees for Ant. 1, 2, 5, 6 is 3.932 dBi.

(C-230E) External Antenna

Ant.	Brand	Model Number	Antenna Type	Connector	Antenna Gain (dBi)			Cable Loss		Remark	
					2.4GHz	5GHz	BLE	2.4GHz	5GHz	2.4GHz	5GHz
1	Master Wave	98619PRSX020	Dipole	Reverse SMA	2.70	5.23	-	0.46	0.88	Radio 2	Radio 1
2	Master Wave	98619PRSX020	Dipole	Reverse SMA	2.70	5.23	-	0.30	0.57	Radio 2	Radio 1
3	Master Wave	98619PRSX020	Dipole	Reverse SMA	2.70	5.23	-	0.33	0.60	Radio 3	
4	Master Wave	98619PRSX020	Dipole	Reverse SMA	2.70	5.23	-	0.57	0.95	Radio 3	
5	Master Wave	98619URSX002	Dipole	Reverse SMA	-	5.32	-	-	1.13	-	Radio 1
6	Master Wave	98619URSX002	Dipole	Reverse SMA	-	5.32	-	-	0.69	-	Radio 1
7	Senao	5718A0513300	PIFA	I-Pex	-	-	3.87	N/A		-	-

**(O-235E) External Antenna**

Ant.	Brand	Model Number	Antenna Type	Connector	Antenna Gain (dBi)			Cable Loss		Remark	
					2.4GHz	5GHz	BLE	2.4GHz	5GHz	2.4GHz	5GHz
1	Senao	5718A0394300	Dipole	N-type	5.5	7.2	-	0.5	1.13	Radio 2	Radio 1
2	Senao	5718A0394300	Dipole	N-type	5.5	7.2	-	0.6	1.11	Radio 2	Radio 1
3	Senao	5718A0394300	Dipole	N-type	5.5	7.2	-	0.61	1.28	Radio 3	
4	Senao	5718A0394300	Dipole	N-type	5.5	7.2	-	0.67	1.21	Radio 3	
5	Senao	5718A0137300	Dipole	N-type	-	6.3	-	-	1.7	-	Radio 1
6	Senao	5718A0137300	Dipole	N-type	-	6.3	-	-	1.11	-	Radio 1
7	Senao	5718A0513300	PIFA	I-Pex	-	-	3.87	N/A			-

Note: The antenna gain of angle above 30 degrees for Ant. 1, 2, 5, 6 is -0.009 dBi.

For 2.4GHz function:

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

Port 1 and port 2 could transmit/receive simultaneously.

For BT function:

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

Only port 1 can be used as transmitting/receiving antenna.

For 5GHz function:

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

Port 1 and port 2 could transmit/receive simultaneously.

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

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

1.1.4 EUT Information

Operational Condition			
EUT Power Type	AC Adapter/PoE for C-230, C-230E PoE for O-235, O-235E		
EUT Function	☒	Outdoor AP	☒ Indoor AP
	☐	Fixed P2P AP	☒ Outdoor/Indoor Client
Beamforming Function	☒	With beamforming	☐ Without beamforming
TPC Function	☒	With TPC Function	☐ Without TPC Function
Weather Band	☒	With 5600~5650MHz	☐ Without 5600~5650MHz
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.: ...		
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		
☐	Other:		

1.1.5 Table for Multiple Listing

Sample Number	Model Name	Indoor/ Outdoor	Description
1	C-230	Indoor	The model C-230 and O-235 indicate that it comes with internal antennas and the model C-230E and O-235E indicates that the access point comes with external antenna connectors.
2	C-230E		
3	O-235	Outdoor	
4	O-235E		

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR9D1735AN
Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
U-NII-2A and UNII-2C were added. 80+80 MHz mode was added.	All

1.1.7 Mode Test Duty Cycle

Non-Beamforming

Sample 1_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.954	0.2	1.976m	1k
802.11ac VHT20_Nss1,(MCS0)_4TX	0.924	0.34	5.43m	300
802.11ac VHT40_Nss1,(MCS0)_4TX	0.929	0.32	5.43m	300
802.11ac VHT80_Nss1,(MCS0)_4TX	0.92	0.36	5.43m	300
802.11ac VHT80+80_Nss1,(MCS0)_4TX	0.92	0.36	5.43m	300
802.11ax HEW20_Nss1,(MCS0)_4TX	0.91	0.41	5.447m	300
802.11ax HEW40_Nss1,(MCS0)_4TX	0.938	0.28	5.447m	300
802.11ax HEW80_Nss1,(MCS0)_4TX	0.956	0.2	5.447m	300
802.11ax HEW80+80_Nss1,(MCS0)_4TX	0.928	0.32	5.447m	300

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

Sample 1_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.965	0.15	2.065m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.963	0.16	1.933m	1k
802.11ac VHT40_Nss1,(MCS0)_2TX	0.929	0.32	952.5u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.871	0.6	464.375u	3k

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

Sample 2_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.954	0.2	1.976m	1k
802.11ac VHT20_Nss1,(MCS0)_4TX	0.924	0.34	5.43m	300
802.11ac VHT40_Nss1,(MCS0)_4TX	0.929	0.32	5.43m	300
802.11ac VHT80_Nss1,(MCS0)_4TX	0.92	0.36	5.43m	300
802.11ac VHT80+80_Nss1,(MCS0)_4TX	0.92	0.36	5.43m	300
802.11ax HEW20_Nss1,(MCS0)_4TX	0.91	0.41	5.447m	300
802.11ax HEW40_Nss1,(MCS0)_4TX	0.938	0.28	5.447m	300
802.11ax HEW80_Nss1,(MCS0)_4TX	0.956	0.2	5.447m	300
802.11ax HEW80+80_Nss1,(MCS0)_4TX	0.928	0.32	5.447m	300

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

Sample 2_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.965	0.15	2.065m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.964	0.16	1.933m	1k
802.11ac VHT40_Nss1,(MCS0)_2TX	0.933	0.3	952.5u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.871	0.6	464.688u	3k

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

Sample 3_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.943	0.25	1.977m	1k
802.11ac VHT20_Nss1,(MCS0)_4TX	0.919	0.37	5.429m	300
802.11ac VHT40_Nss1,(MCS0)_4TX	0.938	0.28	5.429m	300
802.11ac VHT80_Nss1,(MCS0)_4TX	0.922	0.35	5.429m	300
802.11ac VHT80+80_Nss1,(MCS0)_4TX	0.931	0.31	5.429m	300
802.11ax HEW20_Nss1,(MCS0)_4TX	0.926	0.33	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_4TX	0.947	0.24	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_4TX	0.947	0.24	5.446m	300
802.11ax HEW80+80_Nss1,(MCS0)_4TX	0.927	0.33	5.446m	300

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

Sample 3_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.965	0.15	2.065m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.963	0.16	1.933m	1k
802.11ac VHT40_Nss1,(MCS0)_2TX	0.928	0.32	952.5u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.872	0.59	465u	3k

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

Sample 4_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.943	0.25	1.977m	1k
802.11ac VHT20_Nss1,(MCS0)_4TX	0.919	0.37	5.429m	300
802.11ac VHT40_Nss1,(MCS0)_4TX	0.938	0.28	5.429m	300
802.11ac VHT80_Nss1,(MCS0)_4TX	0.922	0.35	5.429m	300
802.11ac VHT80+80_Nss1,(MCS0)_4TX	0.931	0.31	5.429m	300
802.11ax HEW20_Nss1,(MCS0)_4TX	0.926	0.33	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_4TX	0.947	0.24	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_4TX	0.947	0.24	5.446m	300
802.11ax HEW80+80_Nss1,(MCS0)_4TX	0.927	0.33	5.446m	300

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

Sample 4_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.968	0.14	2.066m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.964	0.16	1.934m	1k
802.11ac VHT40_Nss1,(MCS0)_2TX	0.932	0.31	954.688u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.875	0.58	465.625u	3k

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

1.2 Testing Applied Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Gary Wang	20.1~26.9°C / 50~60%	08/Mar/2020~08/May/2020
Radiated	03CH02-HY	Daniel Lin	23.5~26.8°C / 43~50%	05/Mar/2020~27/May/2020

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Non-Beamforming

Radio 1

Test Software Version	QRCT 4.0
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Radio 3

Test Software Version	QRCT 3.0
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Non-Beamforming

Sample 1_Radio 1

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	11
5300MHz	11
5320MHz	11.5
5500MHz	11
5580MHz	11
5700MHz	11
5720MHz Straddle 5.47-5.725GHz	11
5720MHz Straddle 5.725-5.85GHz	11
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5260MHz	11
5300MHz	11
5320MHz	11.5
5500MHz	11
5580MHz	11
5700MHz	11
5720MHz Straddle 5.47-5.725GHz	11.5
5720MHz Straddle 5.725-5.85GHz	11.5
802.11ac VHT40_Nss1,(MCS0)_4TX	-



Mode	Power Setting
5270MHz	14.5
5310MHz	14.5
5510MHz	14.5
5550MHz	14.5
5670MHz	14.5
5710MHz Straddle 5.47-5.725GHz	14.5
5710MHz Straddle 5.725-5.85GHz	14.5
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5290MHz	16
5530MHz	16
5610MHz	16
5690MHz Straddle 5.47-5.725GHz	16.5
5690MHz Straddle 5.725-5.85GHz	16.5
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-
#5210MHz,5290MHz	19
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-
5210MHz,#5290MHz	19
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5530MHz,#5610MHz	16.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	11
5300MHz	11
5320MHz	11.5
5500MHz	11
5580MHz	11
5700MHz	11.5
5720MHz Straddle 5.47-5.725GHz	11.5
5720MHz Straddle 5.725-5.85GHz	11.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	14.5
5310MHz	14.5
5510MHz	14.5
5550MHz	14.5



Mode	Power Setting
5670MHz	14.5
5710MHz Straddle 5.47-5.725GHz	14.5
5710MHz Straddle 5.725-5.85GHz	14.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	16
5530MHz	16
5610MHz	16
5690MHz Straddle 5.47-5.725GHz	16.5
5690MHz Straddle 5.725-5.85GHz	16.5
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-
#5210MHz,5290MHz	19
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-
5210MHz,#5290MHz	19
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-
#5530MHz,#5610MHz	16.5

**Sample 1_Radio 3**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	14.5
5300MHz	11.5
5320MHz	12
5500MHz	13
5580MHz	14.5
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	13.5
5300MHz	12
5320MHz	13
5500MHz	16
5580MHz	17
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	15.5
5310MHz	14
5510MHz	16
5550MHz	18
5670MHz	17.5
5710MHz Straddle 5.47-5.725GHz	17.5
5710MHz Straddle 5.725-5.85GHz	17.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	12
5530MHz	11
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	17.5
5690MHz Straddle 5.725-5.85GHz	17.5

**Sample 2_Radio 1**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	11.5
5300MHz	12
5320MHz	12
5500MHz	12
5580MHz	12
5700MHz	12
5720MHz Straddle 5.47-5.725GHz	12.5
5720MHz Straddle 5.725-5.85GHz	12.5
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5260MHz	12.5
5300MHz	12
5320MHz	12.5
5500MHz	12.5
5580MHz	12.5
5700MHz	12
5720MHz Straddle 5.47-5.725GHz	12.5
5720MHz Straddle 5.725-5.85GHz	12.5
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5270MHz	15
5310MHz	15
5510MHz	15
5550MHz	15.5
5670MHz	15.5
5710MHz Straddle 5.47-5.725GHz	16
5710MHz Straddle 5.725-5.85GHz	16
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5290MHz	15
5530MHz	16.5
5610MHz	16.5
5690MHz Straddle 5.47-5.725GHz	16.5
5690MHz Straddle 5.725-5.85GHz	16.5
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-
#5210MHz,5290MHz	13.5



Mode	Power Setting
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-
5210MHz,#5290MHz	13.5
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5530MHz,#5610MHz	16.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	12.5
5300MHz	12
5320MHz	12.5
5500MHz	12.5
5580MHz	12.5
5700MHz	12
5720MHz Straddle 5.47-5.725GHz	12.5
5720MHz Straddle 5.725-5.85GHz	12.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	15
5310MHz	15
5510MHz	15
5550MHz	15.5
5670MHz	15.5
5710MHz Straddle 5.47-5.725GHz	16
5710MHz Straddle 5.725-5.85GHz	16
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	15
5530MHz	16.5
5610MHz	16.5
5690MHz Straddle 5.47-5.725GHz	16.5
5690MHz Straddle 5.725-5.85GHz	16.5
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-
#5210MHz,5290MHz	13.5
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-
5210MHz,#5290MHz	13.5
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-
#5530MHz,#5610MHz	16.5

**Sample 2_Radio 3**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	19.5
5300MHz	19.5
5320MHz	17.5
5500MHz	17.5
5580MHz	17.5
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	19
5300MHz	19
5320MHz	18
5500MHz	16
5580MHz	17.5
5700MHz	13.5
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	19
5310MHz	12.5
5510MHz	11.5
5550MHz	18
5670MHz	17.5
5710MHz Straddle 5.47-5.725GHz	17.5
5710MHz Straddle 5.725-5.85GHz	17.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	10.5
5530MHz	10.5
5610MHz	17.5
5690MHz Straddle 5.47-5.725GHz	17.5
5690MHz Straddle 5.725-5.85GHz	17.5

**Sample 3_Radio 1**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	10
5300MHz	10.5
5320MHz	10.5
5500MHz	10.5
5580MHz	11
5700MHz	11
5720MHz Straddle 5.47-5.725GHz	11
5720MHz Straddle 5.725-5.85GHz	11
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5260MHz	10.5
5300MHz	11
5320MHz	11
5500MHz	11
5580MHz	11.5
5700MHz	11.5
5720MHz Straddle 5.47-5.725GHz	11.5
5720MHz Straddle 5.725-5.85GHz	11.5
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5270MHz	13.5
5310MHz	13.5
5510MHz	14
5550MHz	14
5670MHz	14.5
5710MHz Straddle 5.47-5.725GHz	14.5
5710MHz Straddle 5.725-5.85GHz	14.5
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5290MHz	15.5
5530MHz	16
5610MHz	16
5690MHz Straddle 5.47-5.725GHz	16
5690MHz Straddle 5.725-5.85GHz	16
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-
#5210MHz,5290MHz	11.5



Mode	Power Setting
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-
5210MHz,#5290MHz	11.5
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5530MHz,#5610MHz	16
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	10.5
5300MHz	11
5320MHz	11
5500MHz	11
5580MHz	11.5
5700MHz	11.5
5720MHz Straddle 5.47-5.725GHz	11.5
5720MHz Straddle 5.725-5.85GHz	11.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	13.5
5310MHz	13.5
5510MHz	14
5550MHz	14
5670MHz	14.5
5710MHz Straddle 5.47-5.725GHz	14.5
5710MHz Straddle 5.725-5.85GHz	14.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	15.5
5530MHz	16
5610MHz	16
5690MHz Straddle 5.47-5.725GHz	16
5690MHz Straddle 5.725-5.85GHz	16
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-
#5210MHz,5290MHz	11.5
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-
5210MHz,#5290MHz	11.5
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-
#5530MHz,#5610MHz	16

**Sample 3_Radio 3**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	16
5300MHz	16
5320MHz	16.5
5500MHz	17.5
5580MHz	17.5
5700MHz	18
5720MHz Straddle 5.47-5.725GHz	18.5
5720MHz Straddle 5.725-5.85GHz	18.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	16.5
5300MHz	16.5
5320MHz	17
5500MHz	16.5
5580MHz	17.5
5700MHz	15.5
5720MHz Straddle 5.47-5.725GHz	18.5
5720MHz Straddle 5.725-5.85GHz	18.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	20
5310MHz	15
5510MHz	13
5550MHz	18.5
5670MHz	17.5
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	12.5
5530MHz	12
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17

**Sample 4_Radio 1**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	11.5
5300MHz	11.5
5320MHz	11.5
5500MHz	11.5
5580MHz	12
5700MHz	12
5720MHz Straddle 5.47-5.725GHz	11.5
5720MHz Straddle 5.725-5.85GHz	11.5
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5260MHz	11.5
5300MHz	12
5320MHz	12
5500MHz	12
5580MHz	12
5700MHz	12
5720MHz Straddle 5.47-5.725GHz	12
5720MHz Straddle 5.725-5.85GHz	12
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5270MHz	14.5
5310MHz	14.5
5510MHz	15
5550MHz	15
5670MHz	15
5710MHz Straddle 5.47-5.725GHz	14.5
5710MHz Straddle 5.725-5.85GHz	14.5
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5290MHz	12
5530MHz	16
5610MHz	16.5
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
802.11ac VHT80+80_Nss1,(MCS0)_2TX	-
#5210MHz,5290MHz	12.5



Mode	Power Setting
802.11ac VHT80+80_Nss1,(MCS0)_2TX	-
5210MHz,#5290MHz	12.5
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5530MHz,#5610MHz	16
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	11.5
5300MHz	12
5320MHz	12
5500MHz	12
5580MHz	12
5700MHz	12
5720MHz Straddle 5.47-5.725GHz	12
5720MHz Straddle 5.725-5.85GHz	12
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	14.5
5310MHz	14.5
5510MHz	15
5550MHz	15
5670MHz	15
5710MHz Straddle 5.47-5.725GHz	14.5
5710MHz Straddle 5.725-5.85GHz	14.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	12
5530MHz	16
5610MHz	16.5
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
802.11ax HEW80+80_Nss1,(MCS0)_2TX	-
#5210MHz,5290MHz	12.5
802.11ax HEW80+80_Nss1,(MCS0)_2TX	-
5210MHz,#5290MHz	12.5
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-
#5530MHz,#5610MHz	16

**Sample 4_Radio 3**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	16
5300MHz	16.5
5320MHz	17
5500MHz	17
5580MHz	17.5
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	19.5
5720MHz Straddle 5.725-5.85GHz	19.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	16.5
5300MHz	17
5320MHz	17.5
5500MHz	17.5
5580MHz	17.5
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	20
5720MHz Straddle 5.725-5.85GHz	20
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	21
5310MHz	16.5
5510MHz	12.5
5550MHz	20
5670MHz	19
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	10.5
5530MHz	11.5
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	19
5690MHz Straddle 5.725-5.85GHz	19

2.3 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Unwanted Emissions		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Non Beamforming_Indoor_Sample 1_Radio 1_Adapter Mode		
2	Non Beamforming_Indoor_Sample 1_Radio 3_Adapter Mode		
3	Non Beamforming_Indoor_Sample 2_Radio 1_Adapter Mode		
4	Non Beamforming_Indoor_Sample 2_Radio 3_Adapter Mode		
5	Non Beamforming_Outdoor_Sample 3_Radio 1_PoE Mode		
6	Non Beamforming_Outdoor_Sample 3_Radio 3_PoE Mode		
7	Non Beamforming_Outdoor_Sample 4_Radio 1_PoE Mode		
8	Non Beamforming_Outdoor_Sample 4_Radio 3_PoE Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V	V	V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	2.4G(Radio 2) + 2.4G(Radio 3) + 5G(Radio 1) + Bluetooth
2	2.4G(Radio 2) + 5G(Radio 1) + 5G(Radio 3) + Bluetooth
Refer to Sporton Test Report No.: FA9D1735-01 for Co-location RF Exposure Evaluation.	

2.4 Accessories

Accessories				
Bracket ceiling mount (C-230,C-230E)	Brand Name	CEN JEY	Model Name	6301A4653010
Bracket wall mount (O-235,O-235E)	Brand Name	Xiertek Industrial.Inc,	Model Name	6301A4093000

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

2.5 Support Equipment

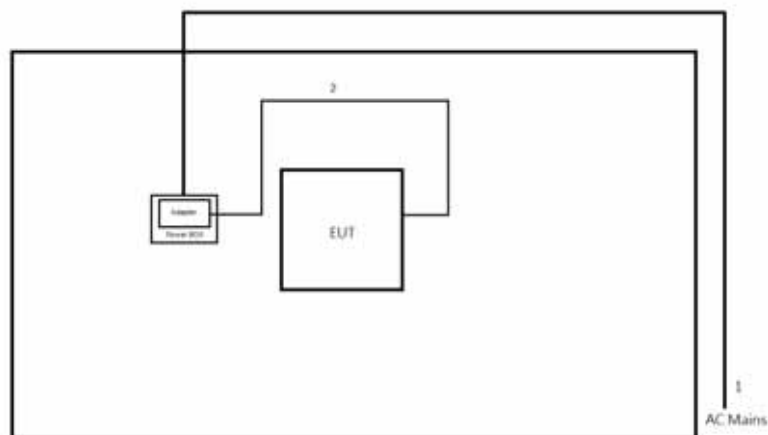
Support Equipment – Radiated Emission					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	MAGIC	PS-018	-	Note 1
2	PoE	EnGenius	EPA5006GP	-	
3	USB 2.0 Flash	Transcend	D24425 2101	-	-
4	RJ-45 Cable	Power Sync	CAT-6E-10	-	-
5	Ground Cable	SPORTON	-	-	-
6	AC Adapter	Powertron Electronics Corp.	PA1045-12HIB330	-	Note 1

Note 1: Support equipment was provided by customer.

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

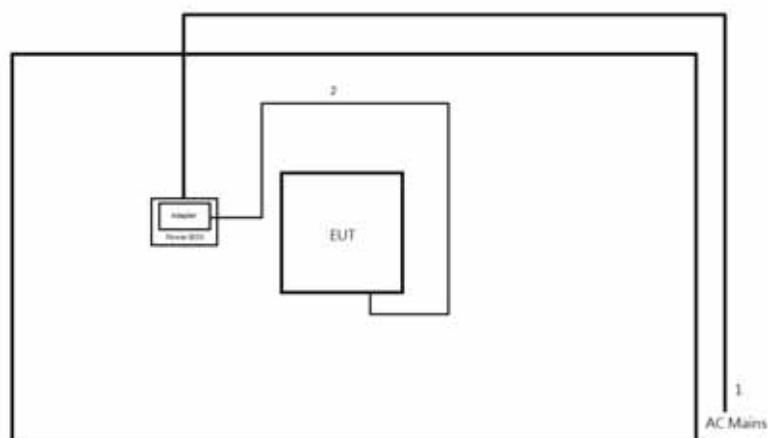
2.6 Test Setup Diagram

Test Setup Diagram - Radiated Test (Mode 1)

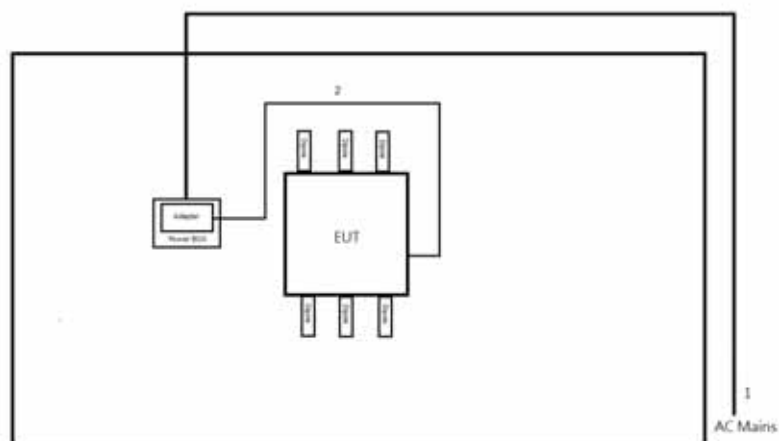


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.6	-

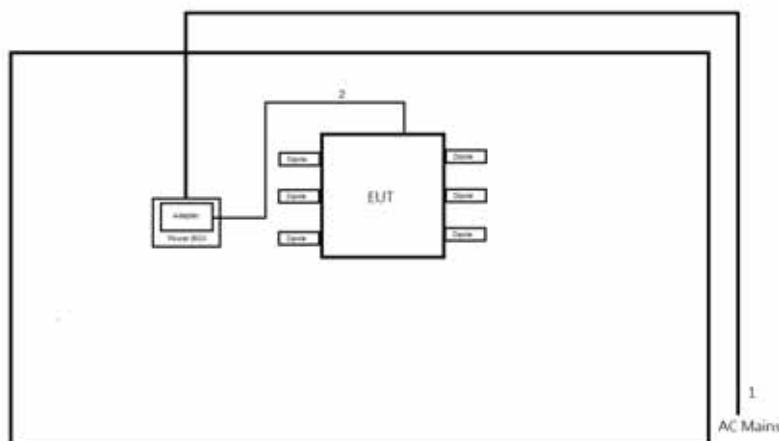
Test Setup Diagram - Radiated Test (Mode 2)



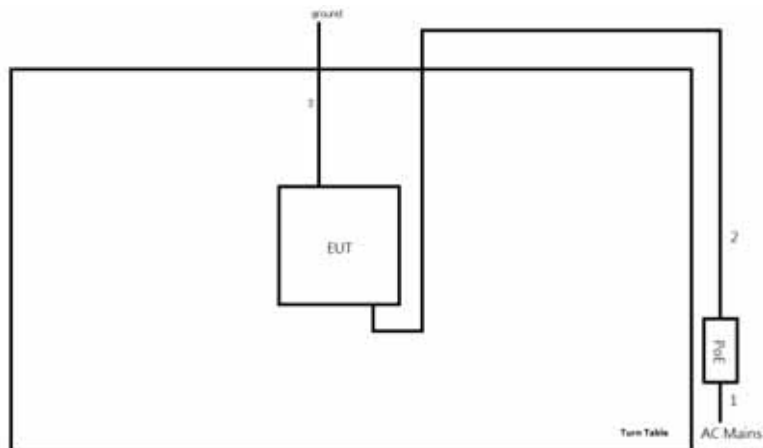
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.6	-

Test Setup Diagram - Radiated Test (Mode 3)


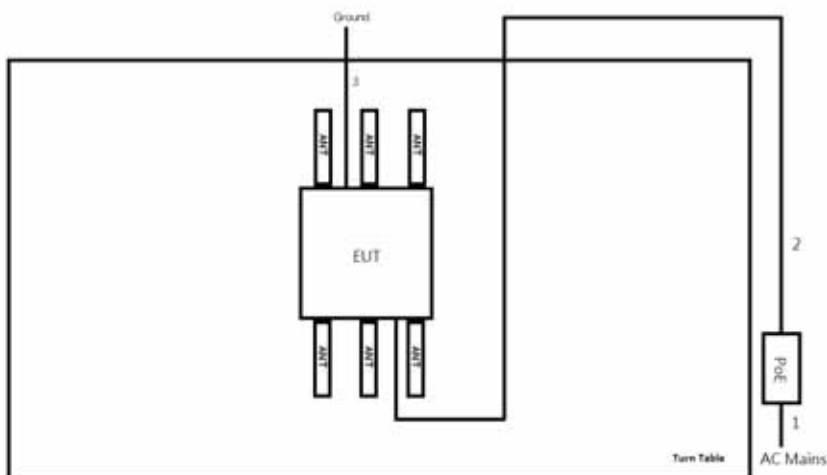
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.6	-

Test Setup Diagram - Radiated Test (Mode 4)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.6	-

Test Setup Diagram - Radiated Test (Mode 5,6)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	0.5	-
2	RJ45 Cable	No	10.0	-
3	Ground Cable	No	2.0	-

Test Setup Diagram - Radiated Test (Mode 7,8)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	0.5	-
2	RJ45 Cable	No	10.0	-
3	Ground Cable	No	2.0	-

3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

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

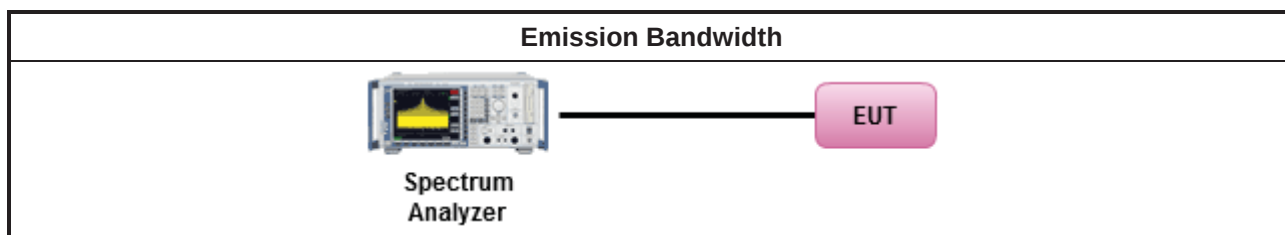
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

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

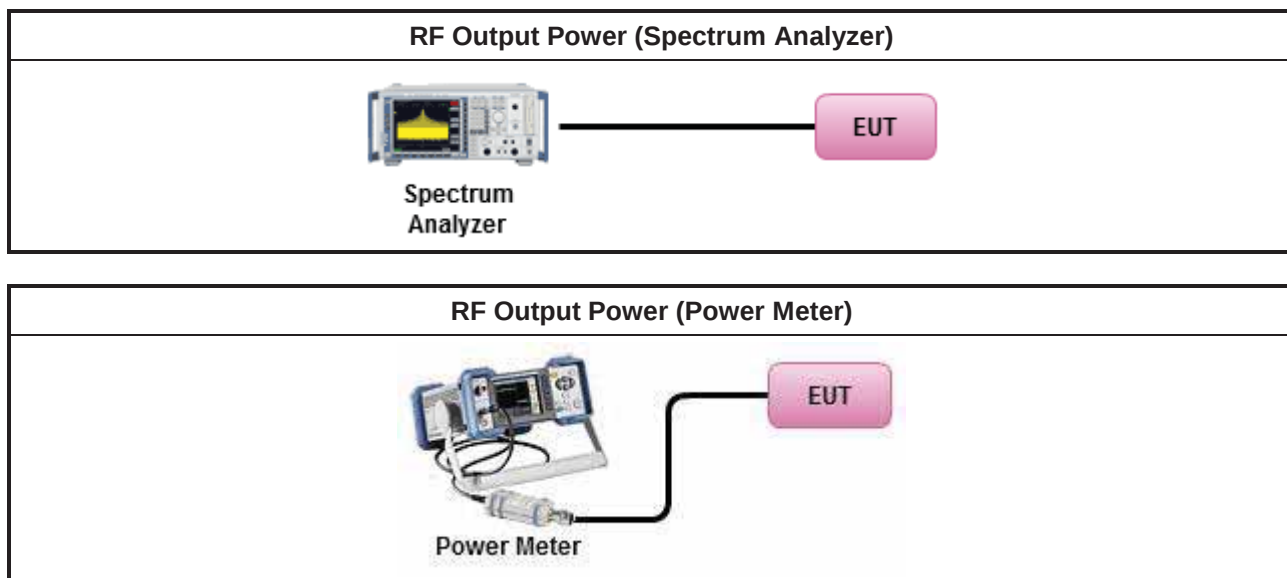
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☒	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

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

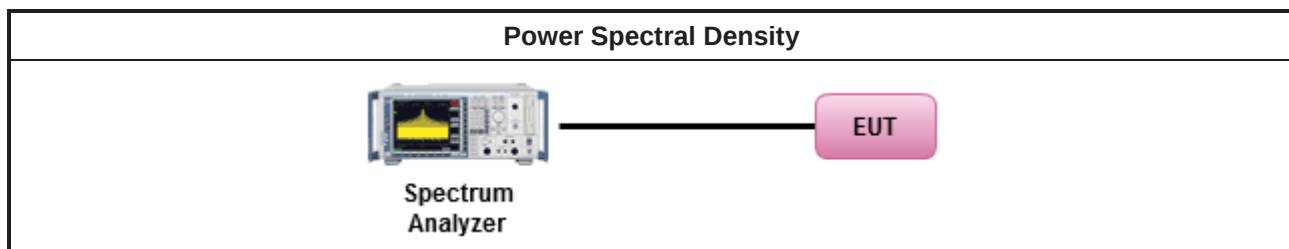
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
Duty cycle ≥ 98%	
☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
Duty cycle < 98%	
☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☐	Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.3.4 Test Setup



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

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

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

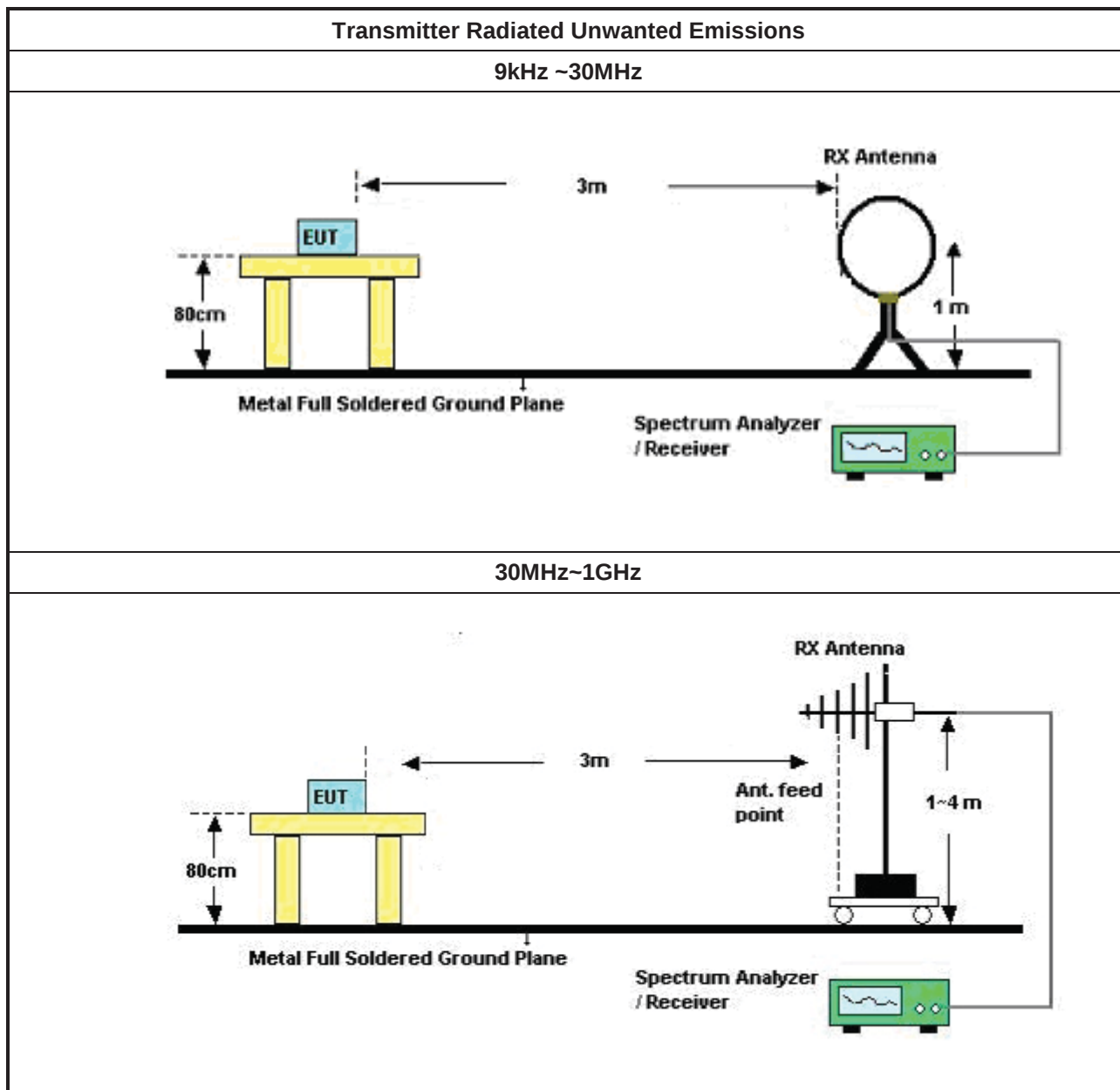
3.4.2 Measuring Instruments

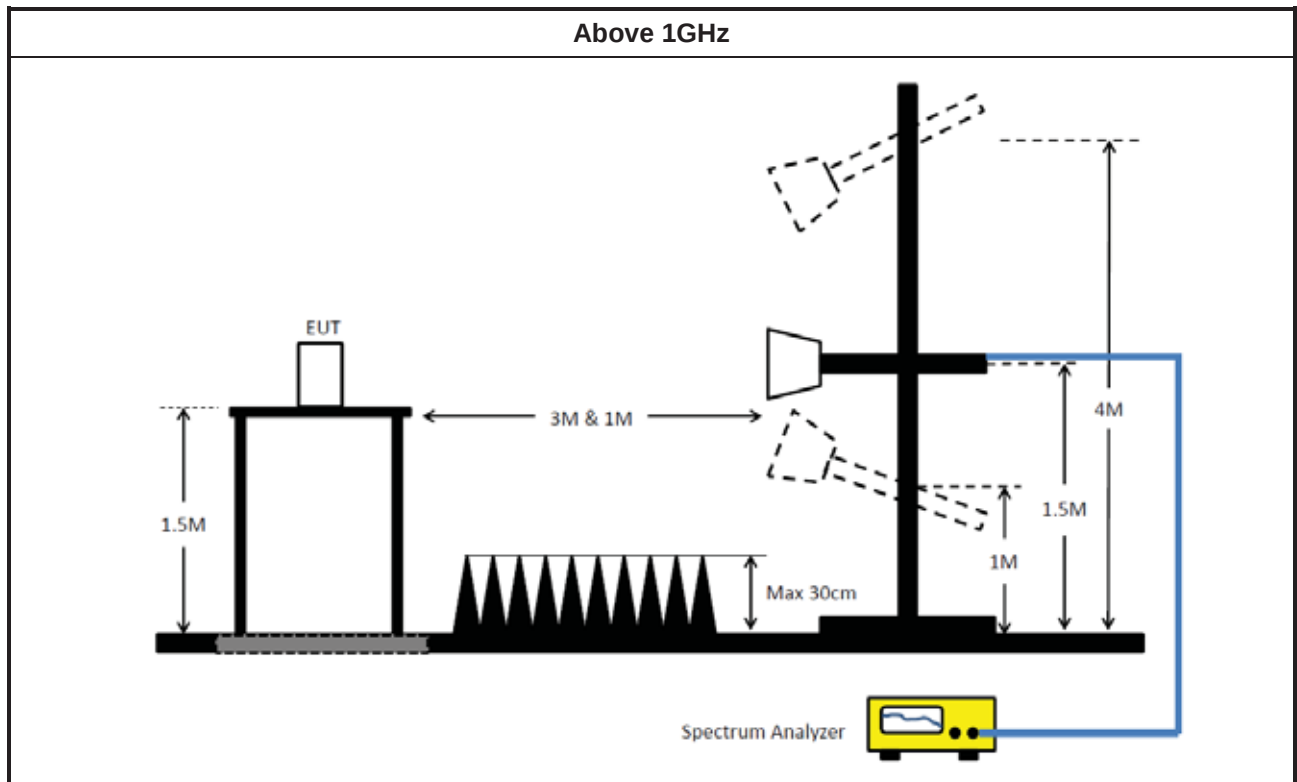
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

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

3.4.4 Test Setup





3.4.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	29/Aug/2019	28/Aug/2020
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	29/Aug/2019	28/Aug/2020
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	02/Jul/2019	01/Jul/2020
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	16/Oct/2019	15/Oct/2020
Microwave Preamplifier	EMC INSTRUMENT	EMC051845BE	980241	1 GHz ~ 18 GHz	21/May/2019	20/May/2020
Spectrum Analyzer	Rohde & Schwarz	FSP40	100593	9kHz - 40GHz	27/Feb/2020	26/Feb/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	28/May/2019	27/May/2020
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Mar/2019	25/Mar/2020
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	21/Mar/2020	20/Mar/2021
RF Cable-high 6m	SUHNER	SUCOFLEX104	10567868 / SN805193/4	1GHz~40GHz	09/Apr/2019	08/Apr/2020
RF Cable-high 7m	SUHNER	SUCOFLEX104	10567868 / SN805192/4	1GHz~40GHz	09/Apr/2019	08/Apr/2020
RF Cable-high 6m	SUHNER	SUCOFLEX104	10567868 / SN805193/4	1GHz~40GHz	03/Apr/2020	02/Apr/2021
RF Cable-high 7m	SUHNER	SUCOFLEX104	10567868 / SN805192/4	1GHz~40GHz	03/Apr/2020	02/Apr/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz ~ 1GHz	28/Feb/2020	27/Feb/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170339	18GHz ~ 40GHz	19/Apr/2019	18/Apr/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 01543	1GHz ~ 18GHz	03/Jun/2019	02/Jun/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	05/Aug/2019	04/Aug/2020
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	16/Mar/2020	15/Mar/2021
Loop Antenna	TESEQ	HLA 6120	24155	9k-30MHz	29/Mar/2019	28/Mar/2020

**Instrument for Conducted Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101015	10Hz~40GHz	15/Feb/2020	14/Feb/2021
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	19/Mar/2020	18/Mar/2021
Pulse Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	17/Feb/2020	16/Feb/2021
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	17/Feb/2020	16/Feb/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	82.32M	75.442M	75M4D1D	81.84M	75.442M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	82.44M	77.241M	77M2D1D	82.44M	77.121M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.41M	16.372M	16M4D1D	18.9M	16.312M
802.11ac VHT20_Nss1,(MCS0)_4TX	20.82M	17.571M	17M6D1D	20.01M	17.541M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.5M	36.162M	36M2D1D	39.9M	36.042M
802.11ac VHT80_Nss1,(MCS0)_4TX	82.2M	75.322M	75M3D1D	81.6M	75.322M
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	82.32M	75.442M	75M4D1D	82.08M	75.442M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.48M	18.921M	18M9D1D	20.94M	18.891M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.16M	37.781M	37M8D1D	40.68M	37.661M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.68M	77.241M	77M2D1D	82.08M	77.001M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	82.44M	77.361M	77M4D1D	82.08M	77.121M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.62M	16.372M	16M4D1D	14.508M	13.171M
802.11ac VHT20_Nss1,(MCS0)_4TX	20.52M	17.571M	17M6D1D	14.945M	13.713M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.86M	36.222M	36M2D1D	35.213M	32.871M
802.11ac VHT80_Nss1,(MCS0)_4TX	82.32M	75.322M	75M3D1D	75.718M	72.039M
802.11ac VHT80+80_Nss1,(MCS0)_4TX	153.6M	76.762M	76M8D1D	83.04M	75.562M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.45M	18.981M	19M0D1D	15.418M	14.395M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.34M	37.781M	37M8D1D	35.4M	33.696M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.44M	77.361M	77M4D1D	75.873M	73.046M
802.11ax HEW80+80_Nss1,(MCS0)_4TX	151.92M	78.201M	78M2D1D	84.24M	77.241M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.15M	3.478M	3M48D1D	3.135M	3.463M
802.11ac VHT20_Nss1,(MCS0)_4TX	3.765M	4.048M	4M05D1D	3.12M	4.018M
802.11ac VHT40_Nss1,(MCS0)_4TX	3.165M	3.658M	3M66D1D	3.09M	3.523M
802.11ac VHT80_Nss1,(MCS0)_4TX	3.15M	3.793M	3M79D1D	3.135M	3.748M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.455M	4.618M	4M62D1D	4.38M	4.588M
802.11ax HEW40_Nss1,(MCS0)_4TX	4.05M	4.153M	4M15D1D	3.945M	4.123M
802.11ax HEW80_Nss1,(MCS0)_4TX	4.065M	4.243M	4M24D1D	3.915M	4.198M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	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	19.11M	16.372M	19.08M	16.342M	19.17M	16.372M	19.11M	16.342M
5300MHz	Pass	Inf	19.14M	16.312M	18.9M	16.342M	19.02M	16.372M	18.99M	16.372M
5320MHz	Pass	Inf	19.2M	16.372M	19.14M	16.342M	19.41M	16.342M	19.05M	16.372M
5500MHz	Pass	Inf	19.08M	16.372M	18.99M	16.342M	18.87M	16.372M	18.99M	16.342M
5580MHz	Pass	Inf	18.93M	16.342M	18.93M	16.372M	19.62M	16.342M	18.99M	16.372M
5700MHz	Pass	Inf	19.08M	16.342M	18.72M	16.342M	19.26M	16.372M	19.29M	16.342M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.595M	13.171M	14.508M	13.188M	14.595M	13.206M	14.665M	13.171M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	3.478M	3.135M	3.463M	3.135M	3.478M	3.15M	3.463M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	20.82M	17.541M	20.1M	17.541M	20.16M	17.541M	20.1M	17.571M
5300MHz	Pass	Inf	20.46M	17.571M	20.01M	17.541M	20.28M	17.541M	20.28M	17.541M
5320MHz	Pass	Inf	20.31M	17.571M	20.25M	17.571M	20.31M	17.571M	20.28M	17.571M
5500MHz	Pass	Inf	20.49M	17.571M	20.1M	17.571M	20.07M	17.571M	20.25M	17.571M
5580MHz	Pass	Inf	20.52M	17.541M	19.95M	17.511M	20.4M	17.541M	20.22M	17.571M
5700MHz	Pass	Inf	20.22M	17.541M	19.83M	17.481M	20.13M	17.571M	20.34M	17.571M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.26M	13.748M	14.945M	13.713M	15.225M	13.766M	15.225M	13.766M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	4.018M	3.765M	4.018M	3.735M	4.033M	3.765M	4.048M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.26M	36.162M	40.26M	36.042M	40.44M	36.162M	40.44M	36.102M
5310MHz	Pass	Inf	40.5M	36.162M	40.5M	36.102M	40.32M	36.102M	39.9M	36.102M
5510MHz	Pass	Inf	40.56M	36.102M	40.86M	36.102M	40.44M	36.102M	40.02M	36.102M
5550MHz	Pass	Inf	40.56M	36.042M	39.9M	36.042M	40.26M	36.102M	40.02M	36.102M
5670MHz	Pass	Inf	40.5M	36.162M	40.2M	35.982M	40.26M	36.222M	40.08M	36.162M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.213M	32.909M	35.363M	32.871M	35.363M	32.946M	35.288M	32.909M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.658M	3.105M	3.523M	3.09M	3.553M	3.165M	3.538M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.2M	75.322M	81.6M	75.322M	82.08M	75.322M	81.6M	75.322M
5530MHz	Pass	Inf	82.32M	75.202M	81.72M	75.322M	81.84M	75.202M	81.12M	75.202M
5610MHz	Pass	Inf	82.2M	75.202M	81.24M	75.202M	82.08M	75.322M	81.72M	75.202M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.028M	72.039M	75.718M	72.116M	76.493M	72.271M	75.795M	72.194M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	3.793M	3.135M	3.748M	3.135M	3.763M	3.135M	3.763M
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	Inf	82.32M	75.442M	81.84M	75.442M				
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	Inf					82.32M	75.442M	82.08M	75.442M
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	Inf	83.52M	75.802M	153.6M	76.762M	83.76M	75.562M	83.04M	75.562M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21M	18.921M	21.18M	18.921M	21.09M	18.921M	20.97M	18.891M
5300MHz	Pass	Inf	21.18M	18.921M	21.24M	18.921M	21.3M	18.921M	21.03M	18.921M
5320MHz	Pass	Inf	21.09M	18.921M	21.48M	18.921M	21M	18.891M	20.94M	18.891M
5500MHz	Pass	Inf	20.91M	18.921M	21.09M	18.891M	21.03M	18.891M	21.18M	18.891M

**EBW_Non-Beamforming_Indoor_Sample 1_Radio 1****Appendix A.1**

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)
5580MHz	Pass	Inf	21.09M	18.951M	21.45M	18.951M	21.09M	18.891M	21.45M	18.891M
5700MHz	Pass	Inf	21.06M	18.921M	20.91M	18.981M	21.06M	18.921M	21.09M	18.921M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.575M	14.43M	15.418M	14.395M	15.488M	14.43M	15.435M	14.465M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.425M	4.603M	4.41M	4.588M	4.455M	4.618M	4.38M	4.603M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.68M	37.721M	40.74M	37.661M	41.16M	37.781M	40.74M	37.721M
5310MHz	Pass	Inf	41.16M	37.721M	41.1M	37.781M	40.98M	37.721M	40.68M	37.661M
5510MHz	Pass	Inf	41.34M	37.721M	40.92M	37.721M	40.92M	37.721M	40.8M	37.781M
5550MHz	Pass	Inf	40.8M	37.721M	40.86M	37.781M	41.04M	37.721M	41.1M	37.721M
5670MHz	Pass	Inf	40.74M	37.721M	40.62M	37.601M	41.1M	37.781M	40.56M	37.781M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.55M	33.696M	35.513M	33.696M	35.4M	33.696M	35.588M	33.696M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.05M	4.138M	3.96M	4.153M	3.945M	4.138M	4.02M	4.123M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.32M	77.001M	82.08M	77.001M	82.68M	77.241M	82.2M	77.121M
5530MHz	Pass	Inf	81.96M	77.001M	82.44M	77.121M	82.32M	77.001M	81.48M	77.361M
5610MHz	Pass	Inf	82.2M	77.121M	82.32M	76.882M	81.84M	77.001M	82.44M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.105M	73.046M	75.873M	73.046M	76.338M	73.201M	76.105M	73.046M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.975M	4.243M	3.915M	4.198M	4.05M	4.213M	4.065M	4.213M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	Inf	82.44M	77.241M	82.44M	77.121M				
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	Inf					82.08M	77.361M	82.44M	77.121M
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	Inf	84.48M	77.481M	151.92M	78.201M	84.48M	77.481M	84.24M	77.241M

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

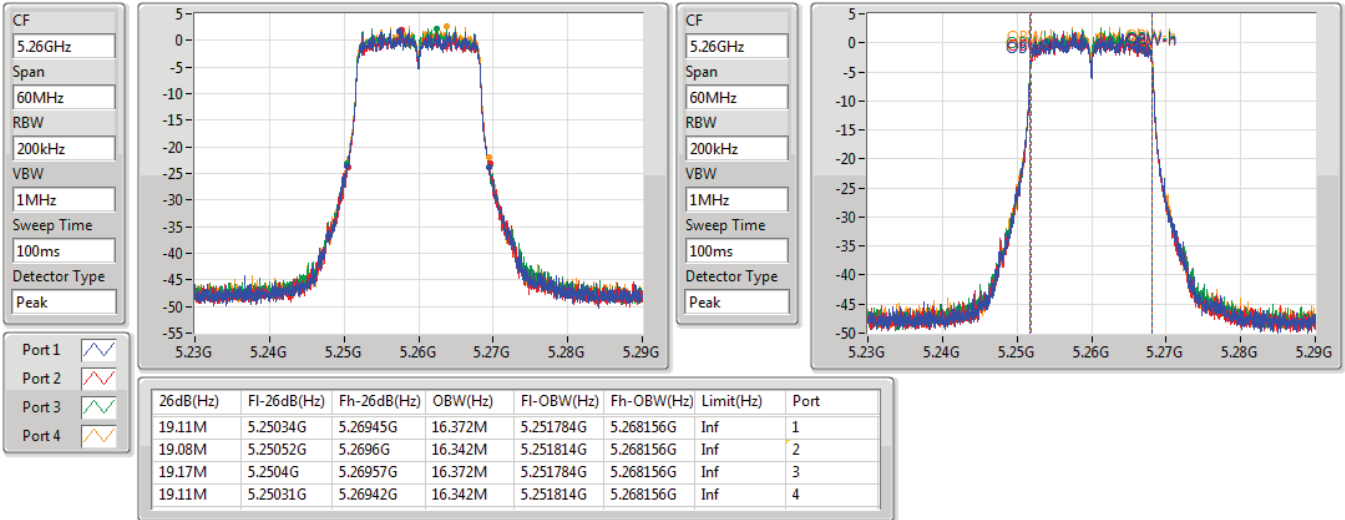
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

11/03/2020

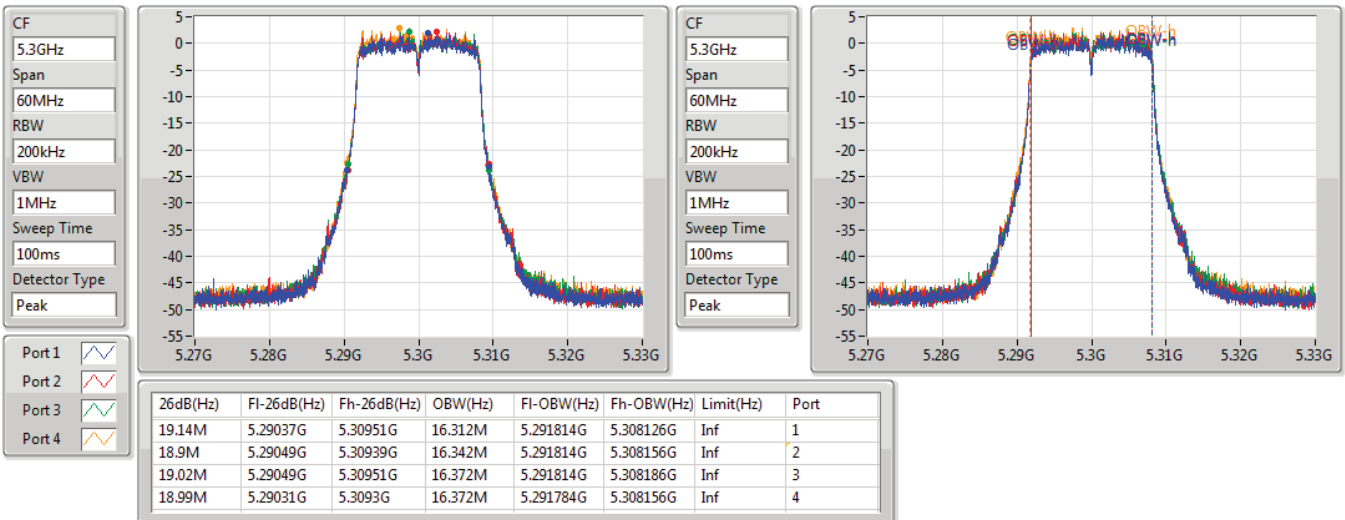


802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

11/03/2020

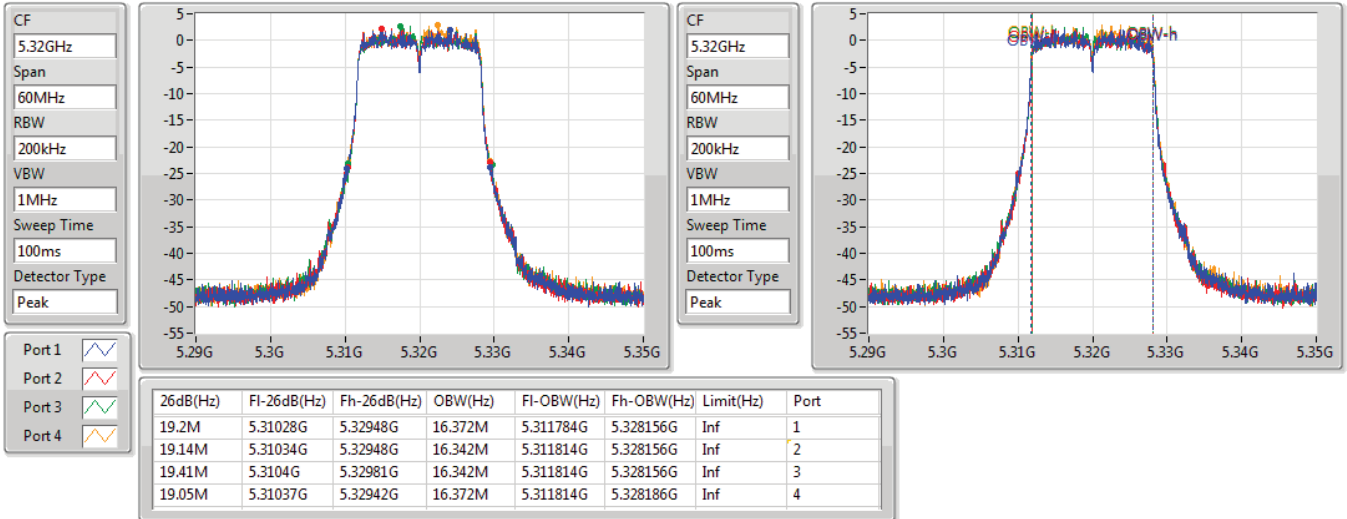


802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

11/03/2020

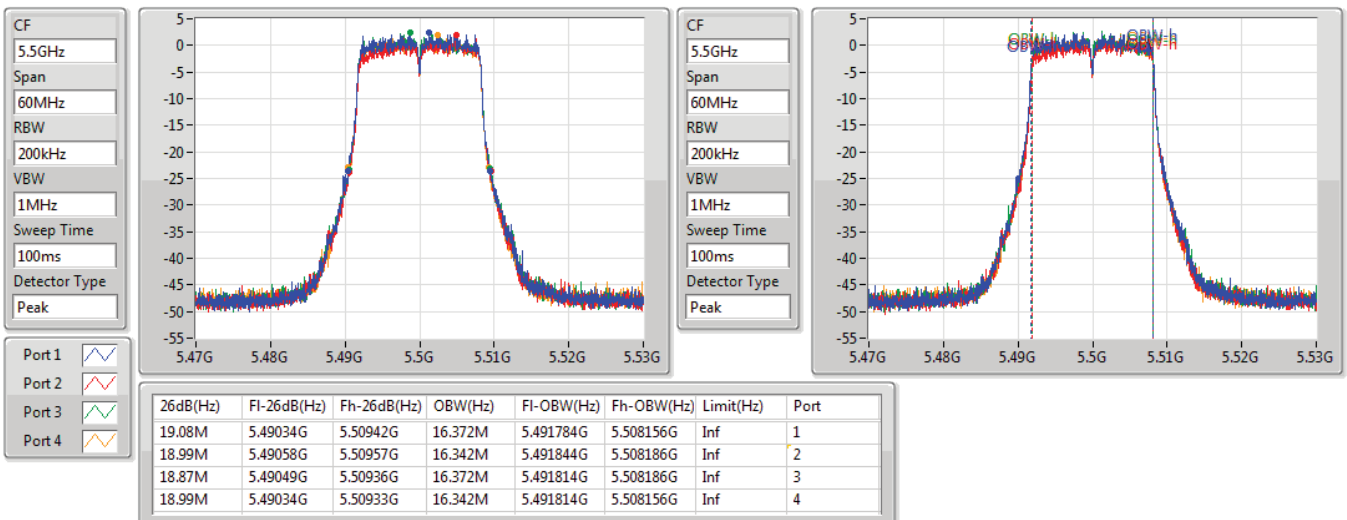


802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

11/03/2020



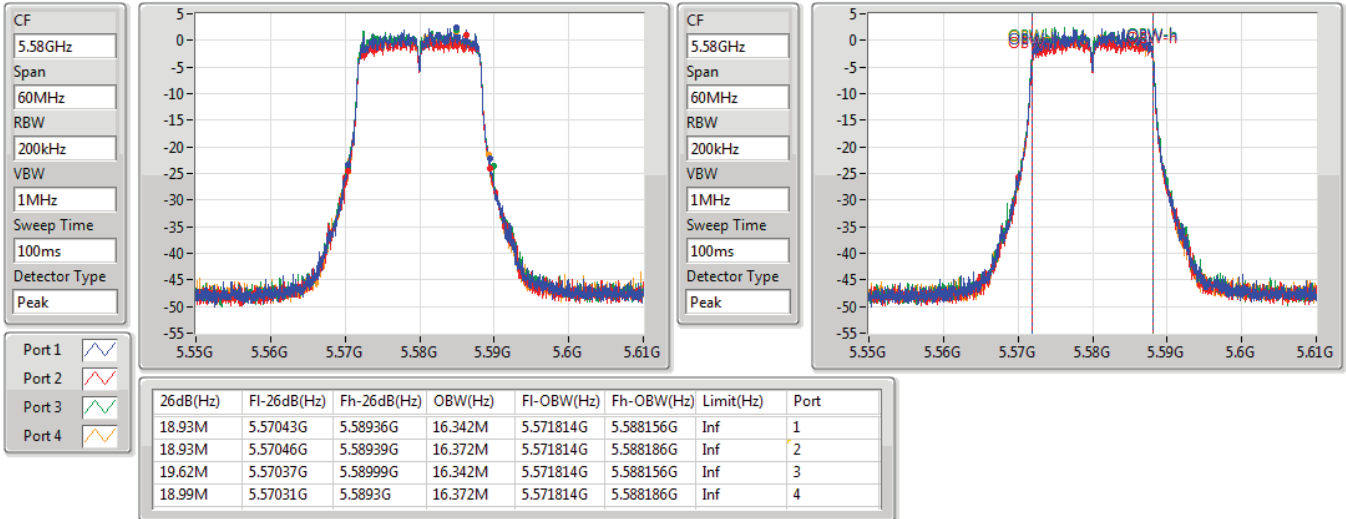


802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

11/03/2020

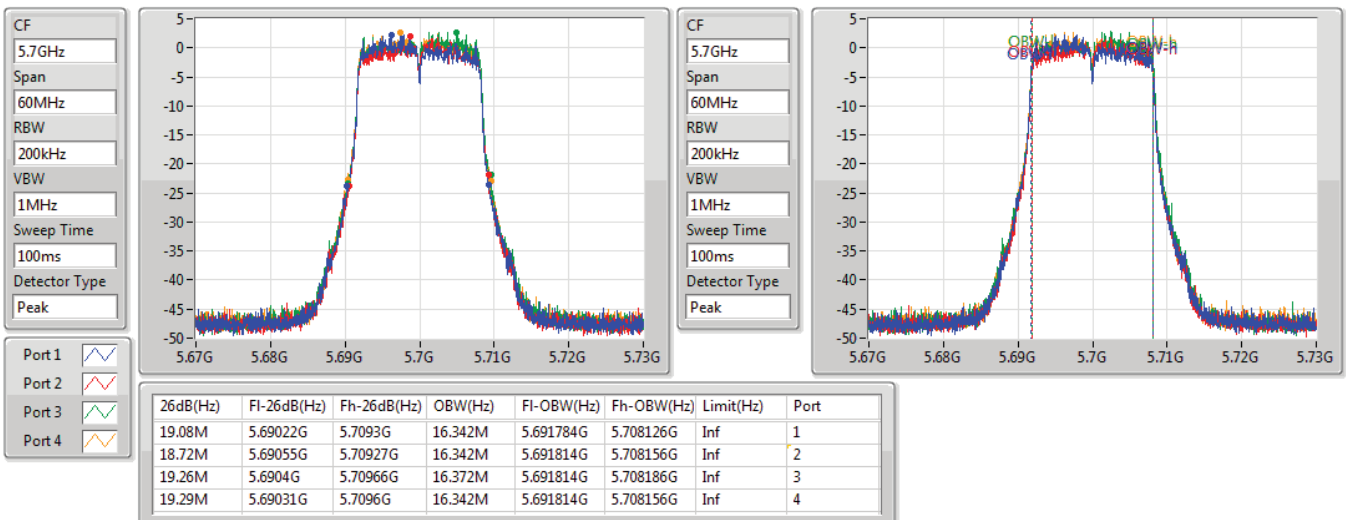


802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

11/03/2020

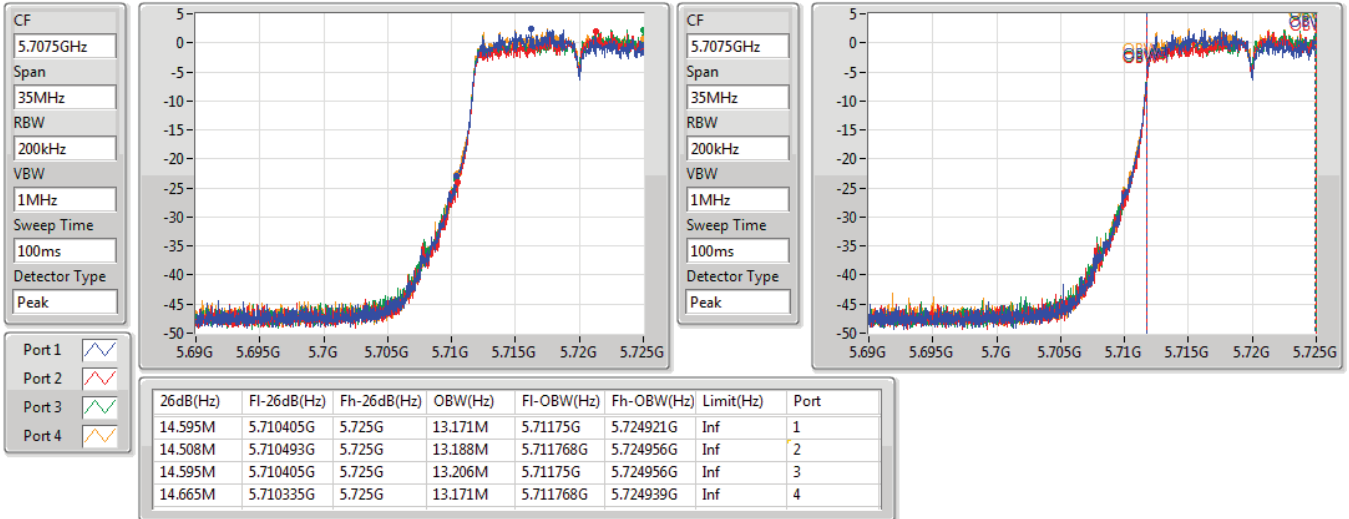


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

11/03/2020

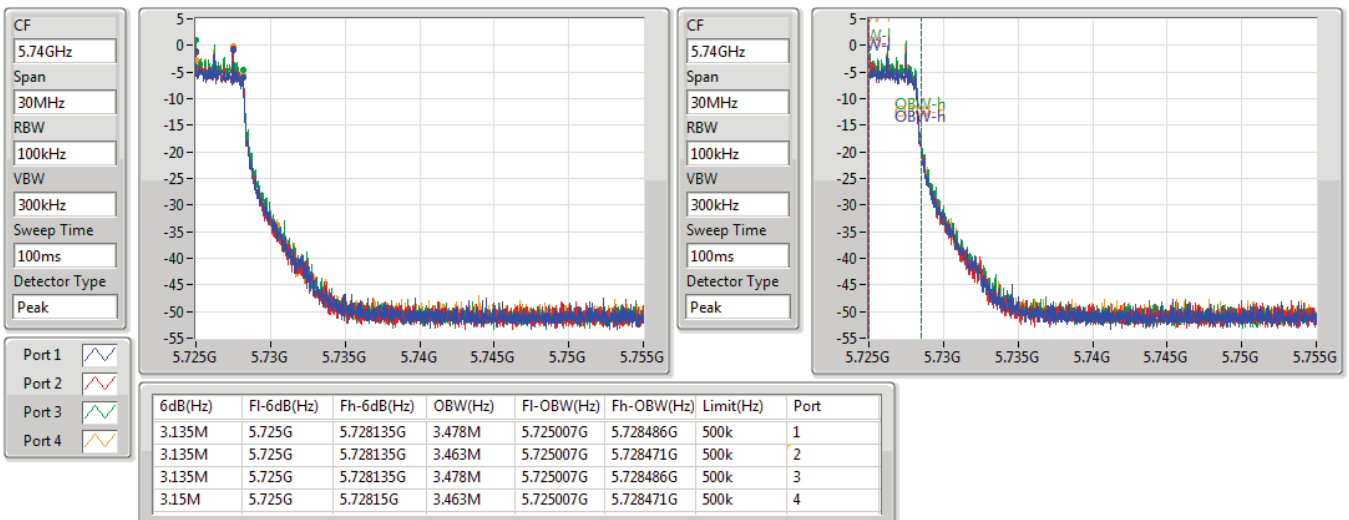


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

11/03/2020

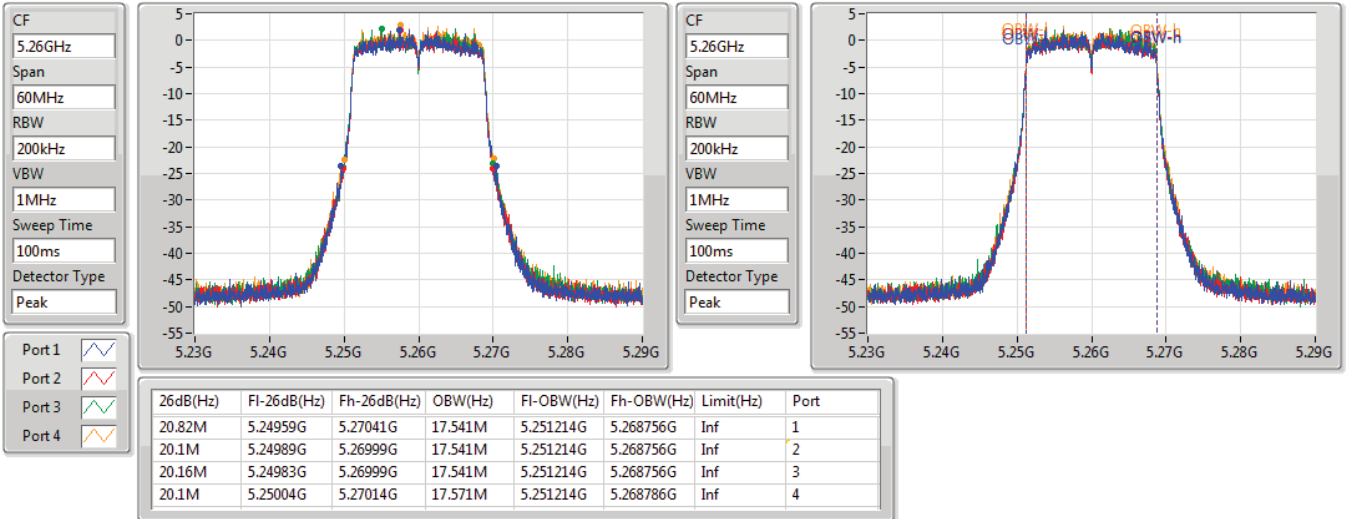


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5260MHz

11/03/2020

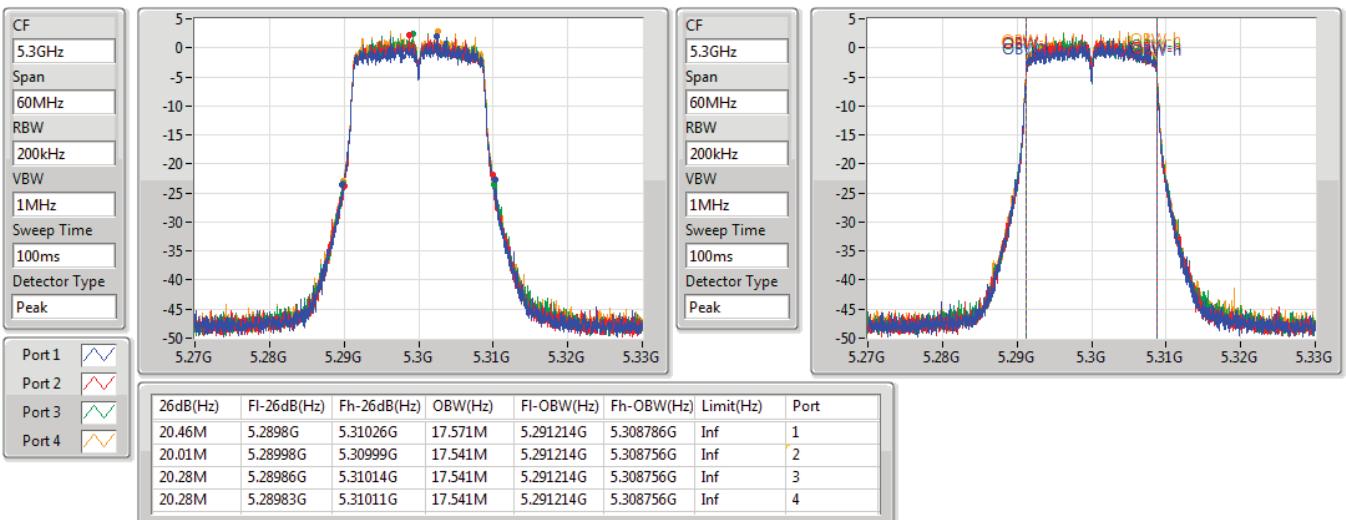


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5300MHz

11/03/2020

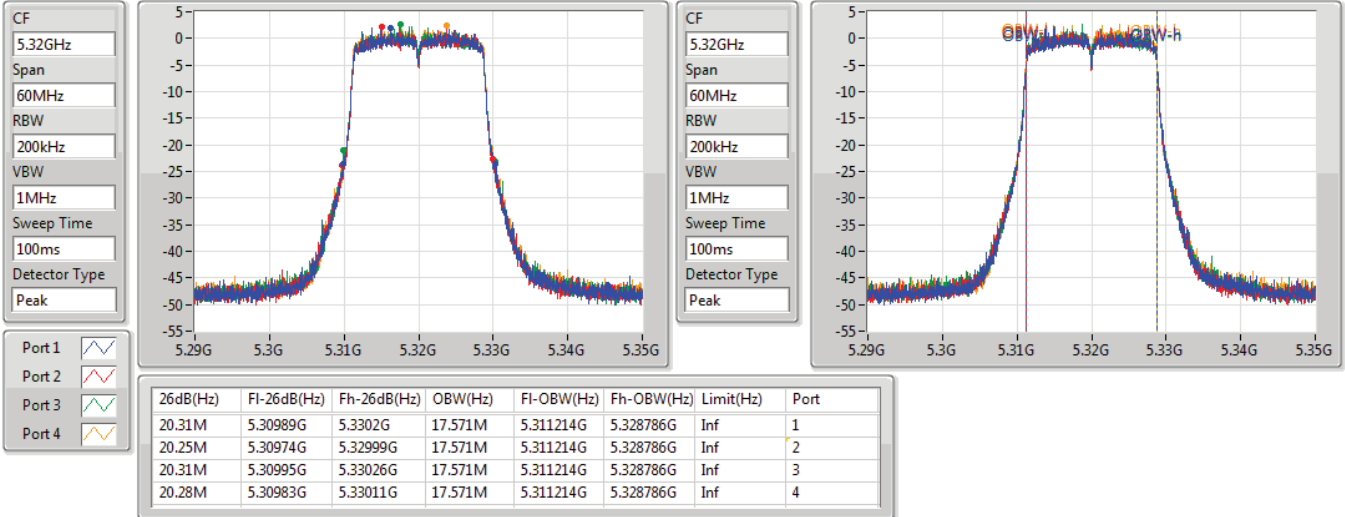


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5320MHz

11/03/2020

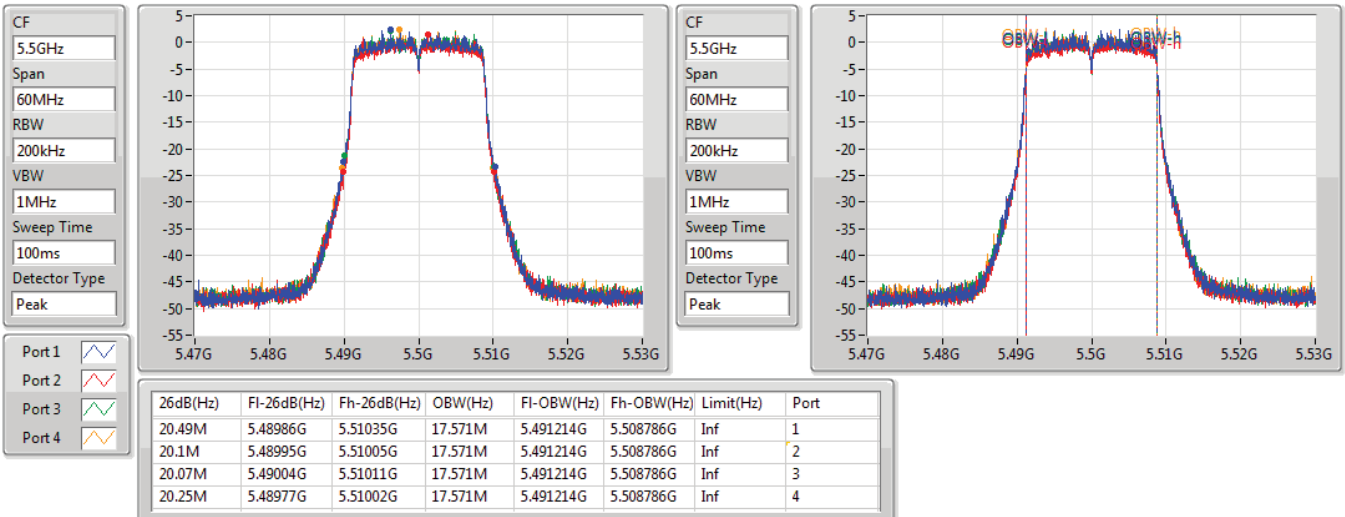


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5500MHz

11/03/2020



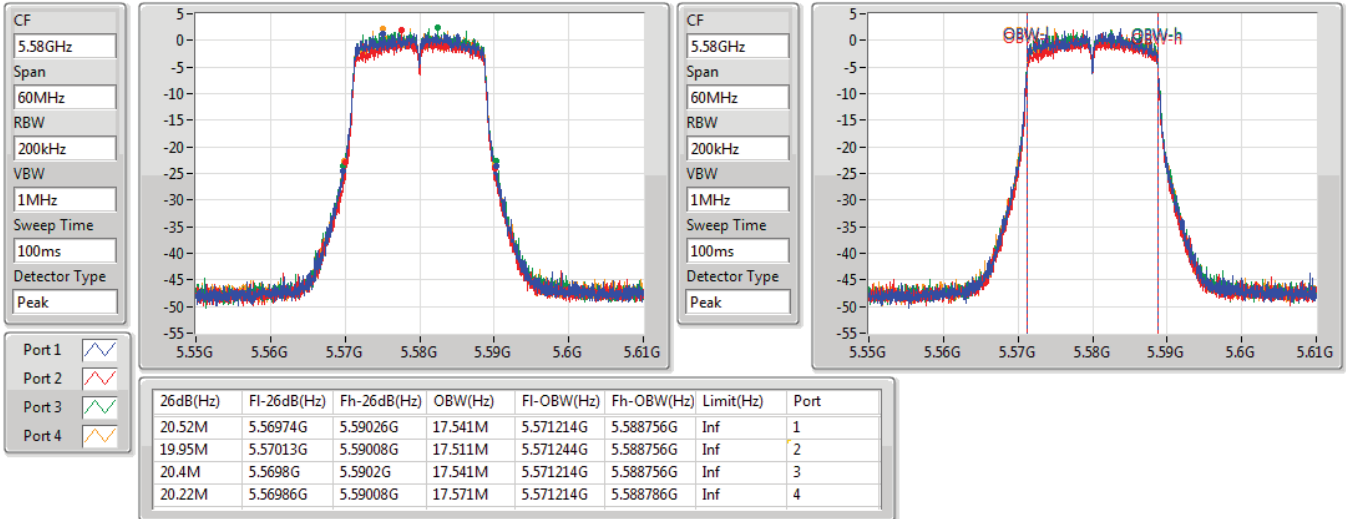


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5580MHz

11/03/2020

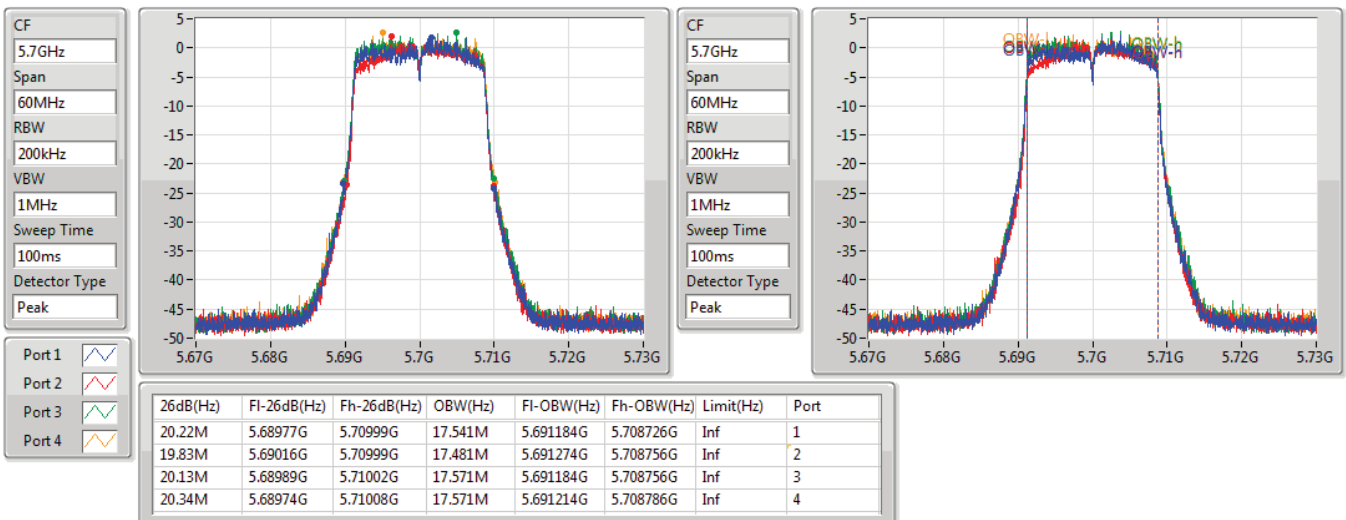


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5700MHz

11/03/2020

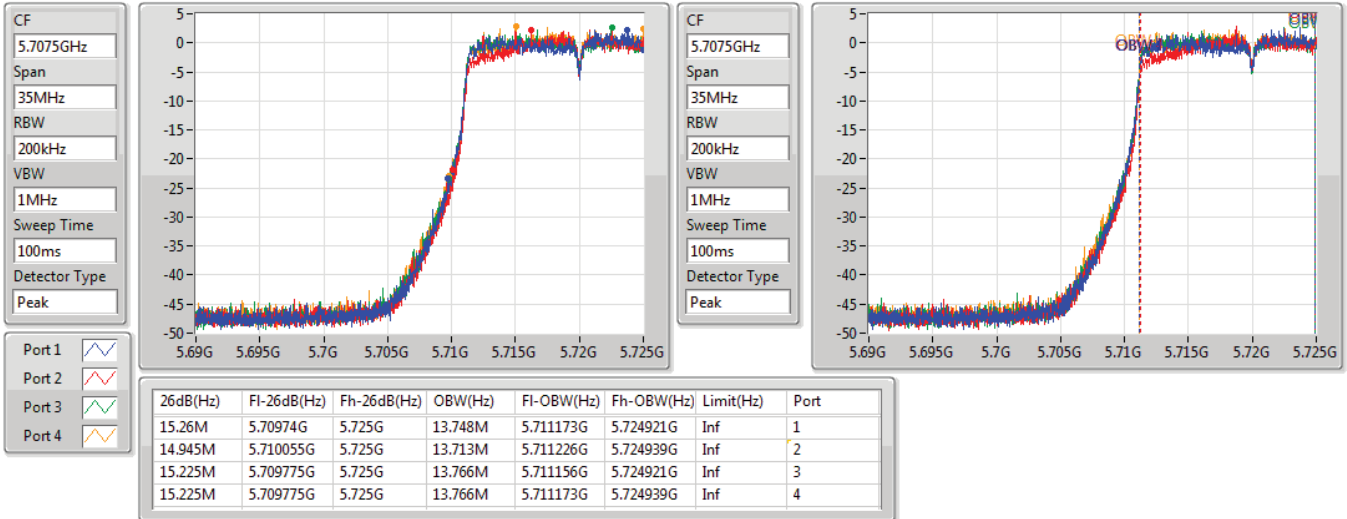


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

11/03/2020

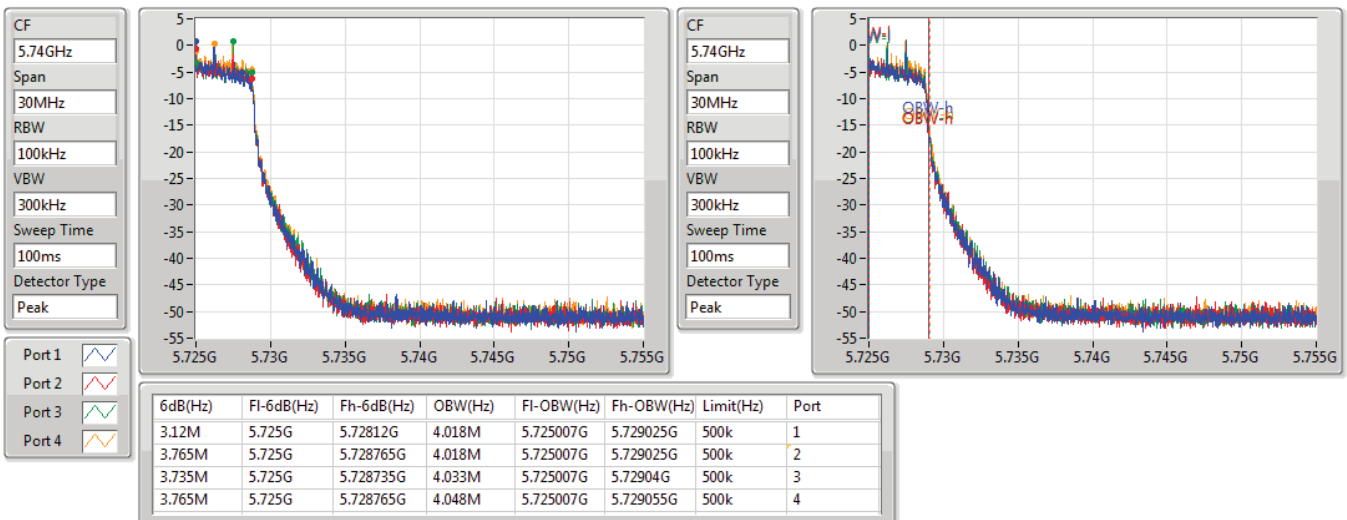


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

11/03/2020



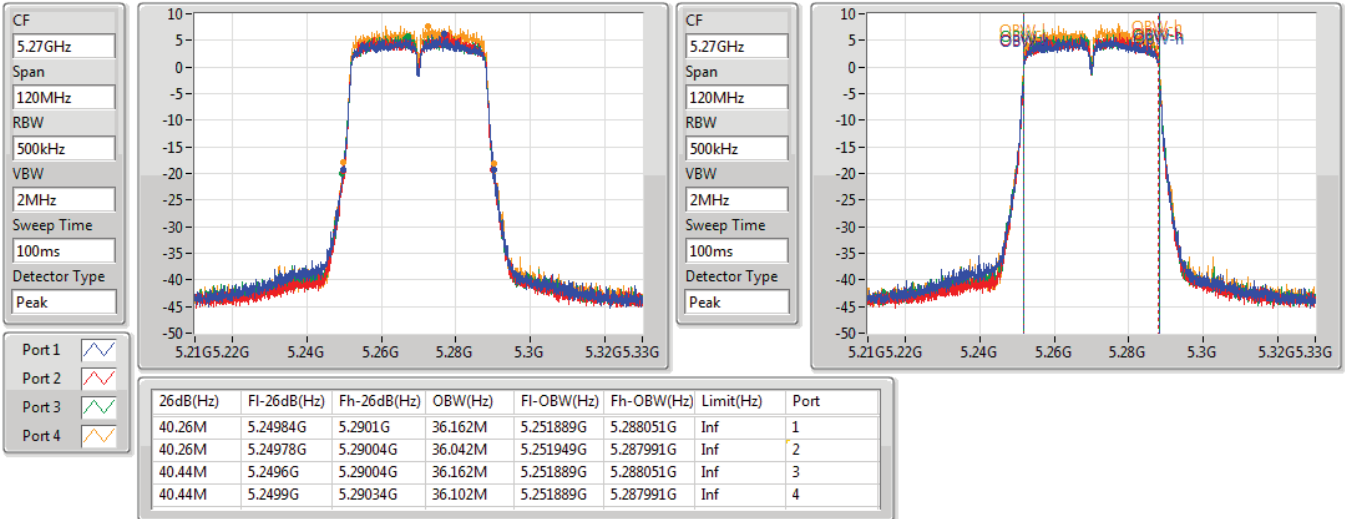


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5270MHz

12/03/2020

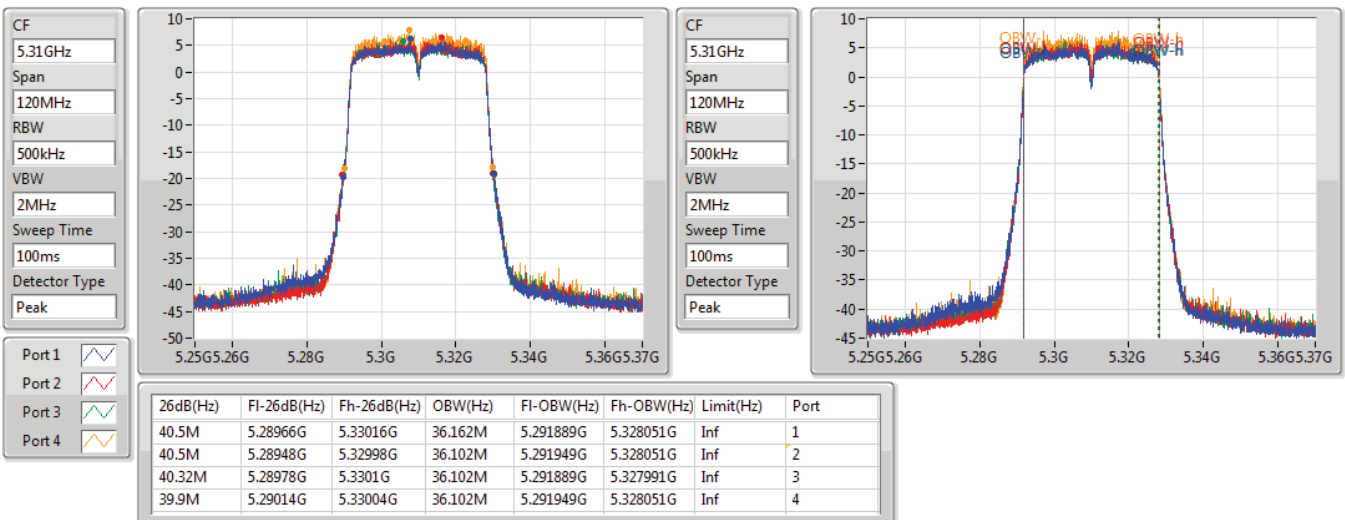


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5310MHz

12/03/2020



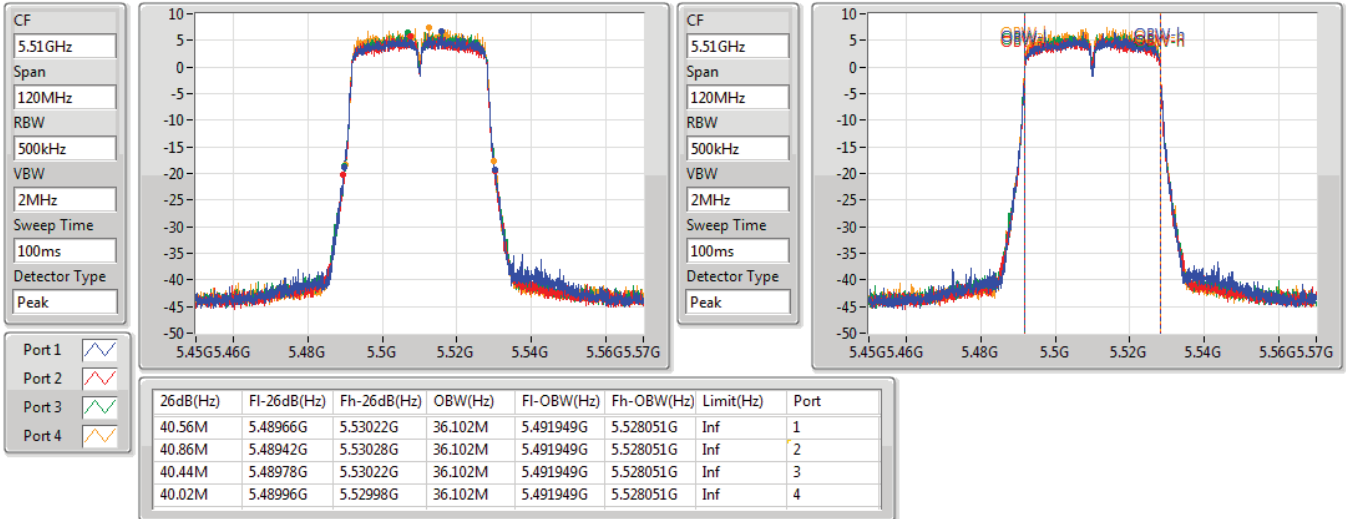


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5510MHz

12/03/2020

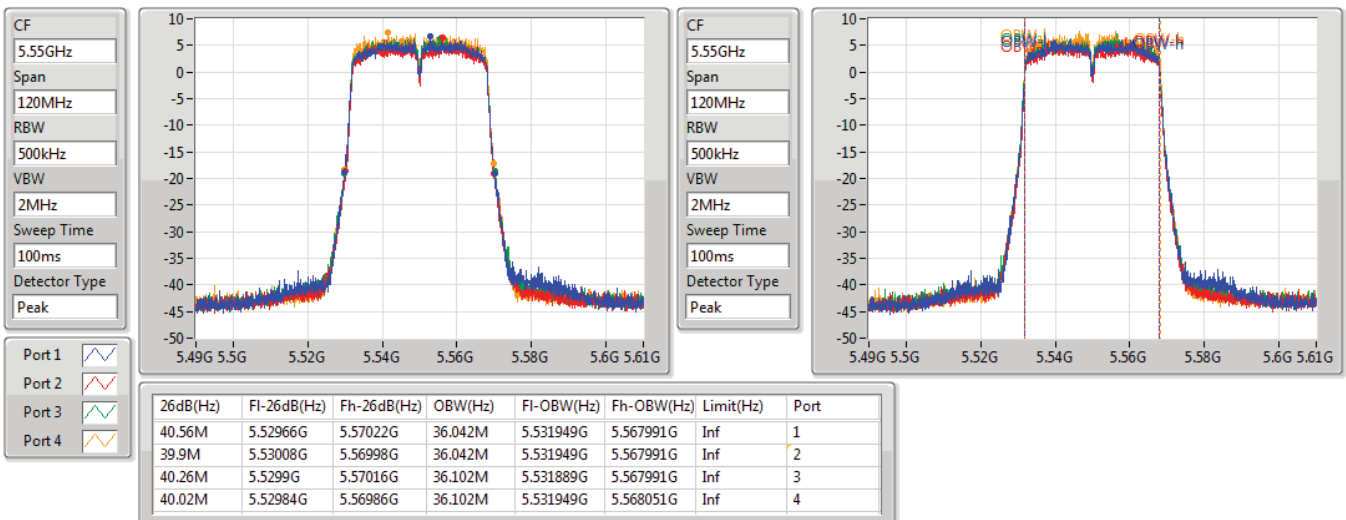


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5550MHz

12/03/2020



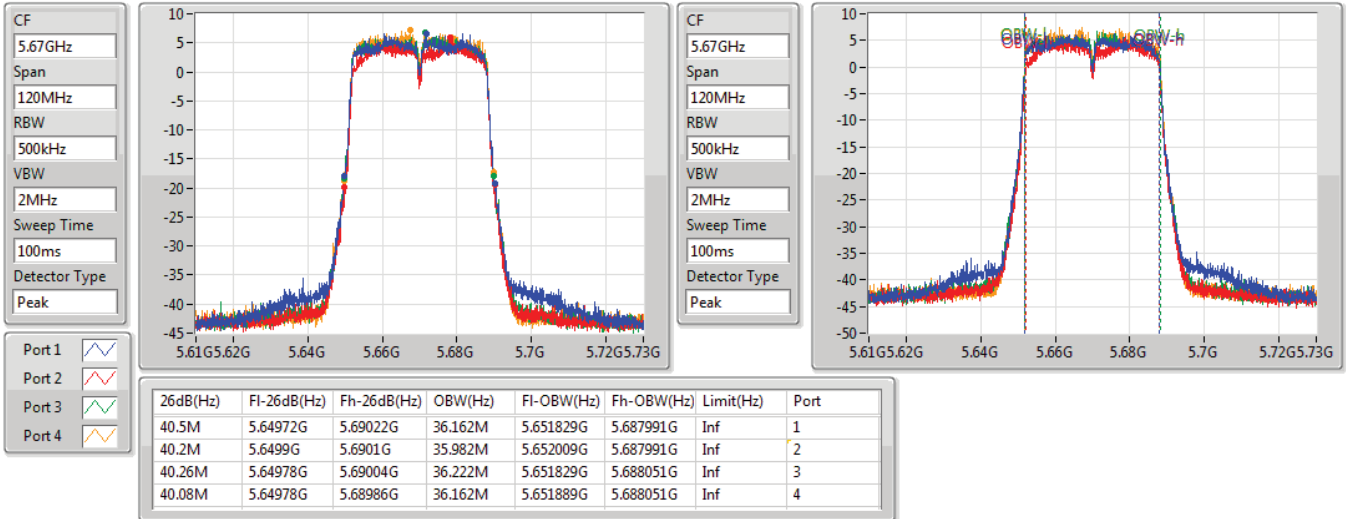


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5670MHz

12/03/2020

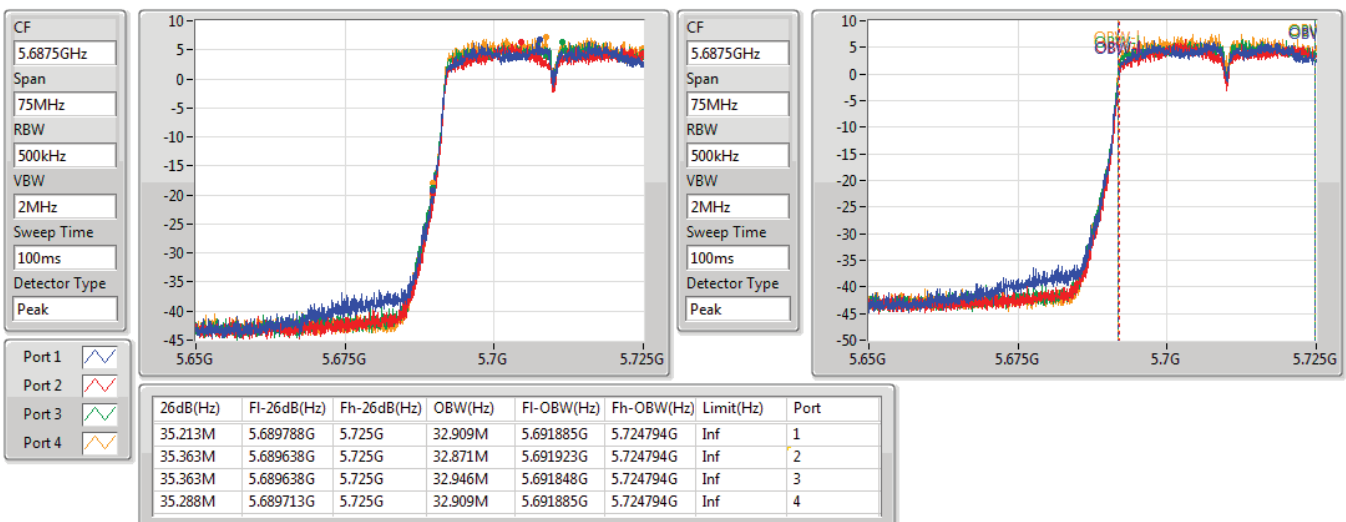


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

12/03/2020



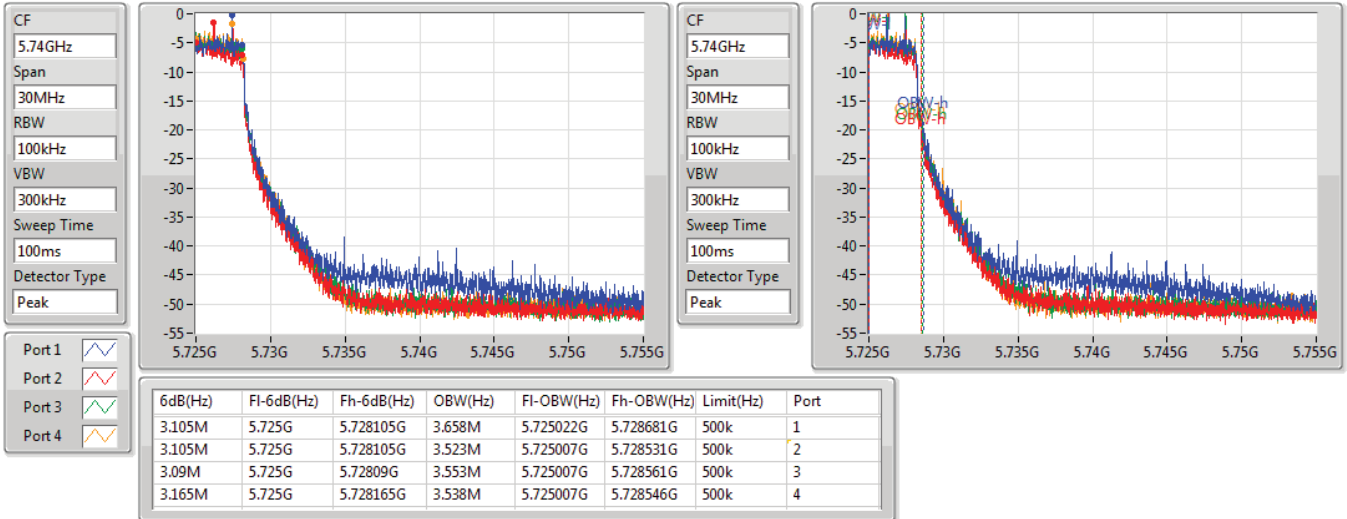


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

12/03/2020

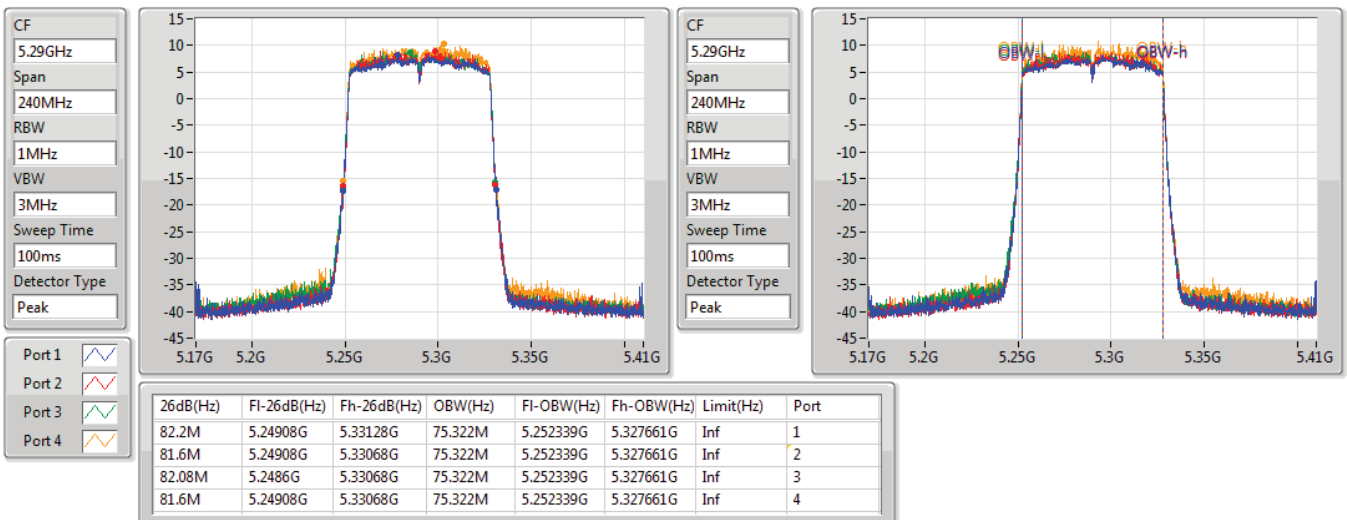


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5290MHz

12/03/2020



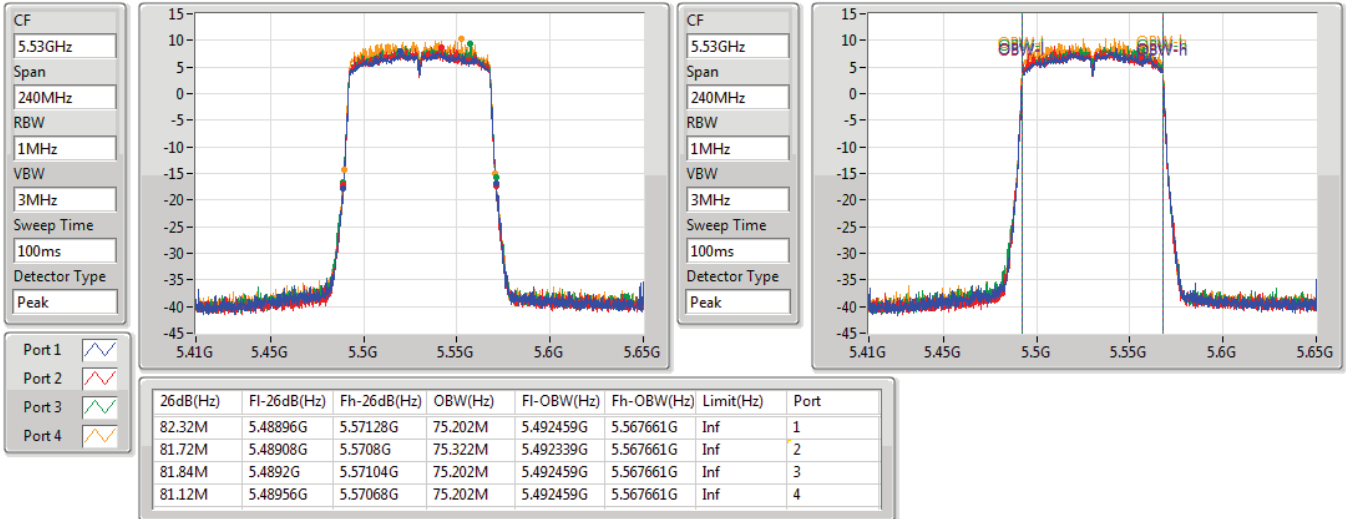


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5530MHz

12/03/2020

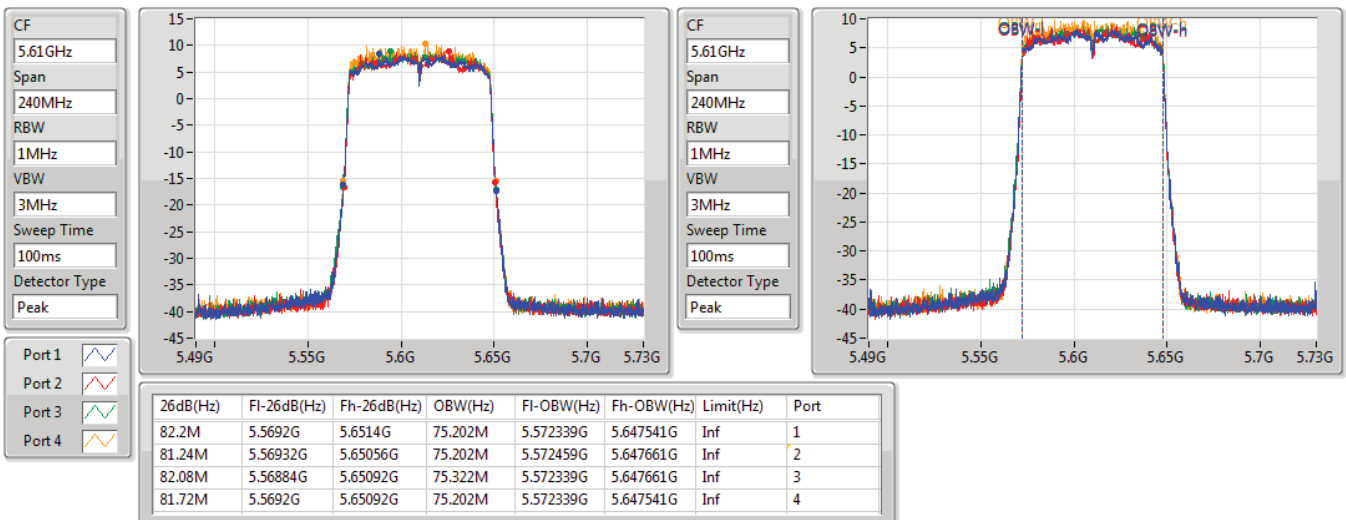


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5610MHz

12/03/2020



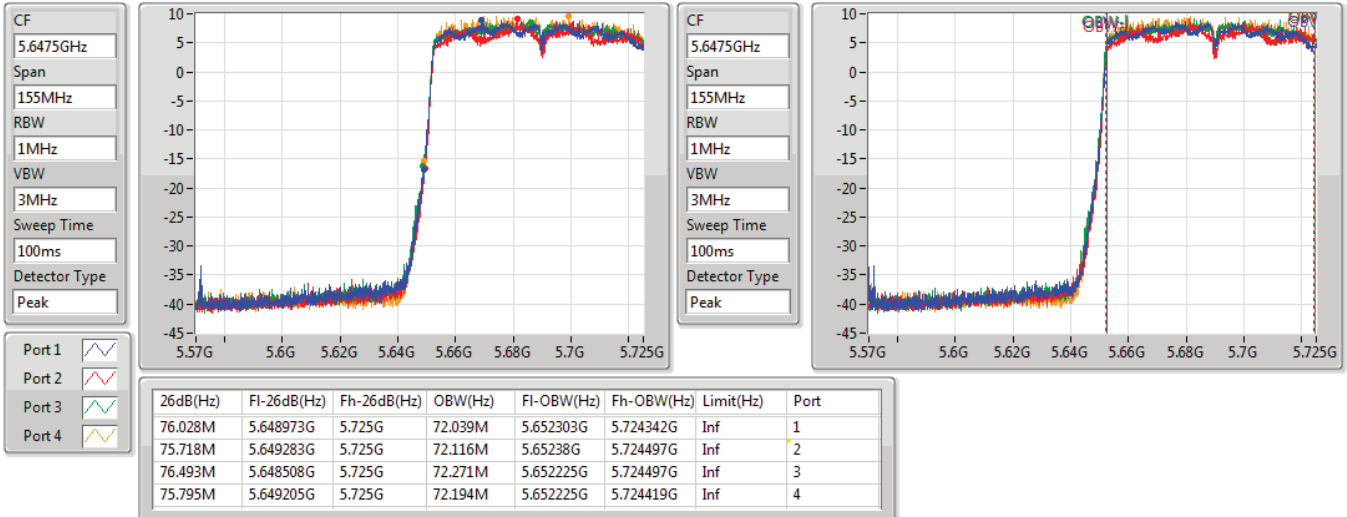


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

12/03/2020

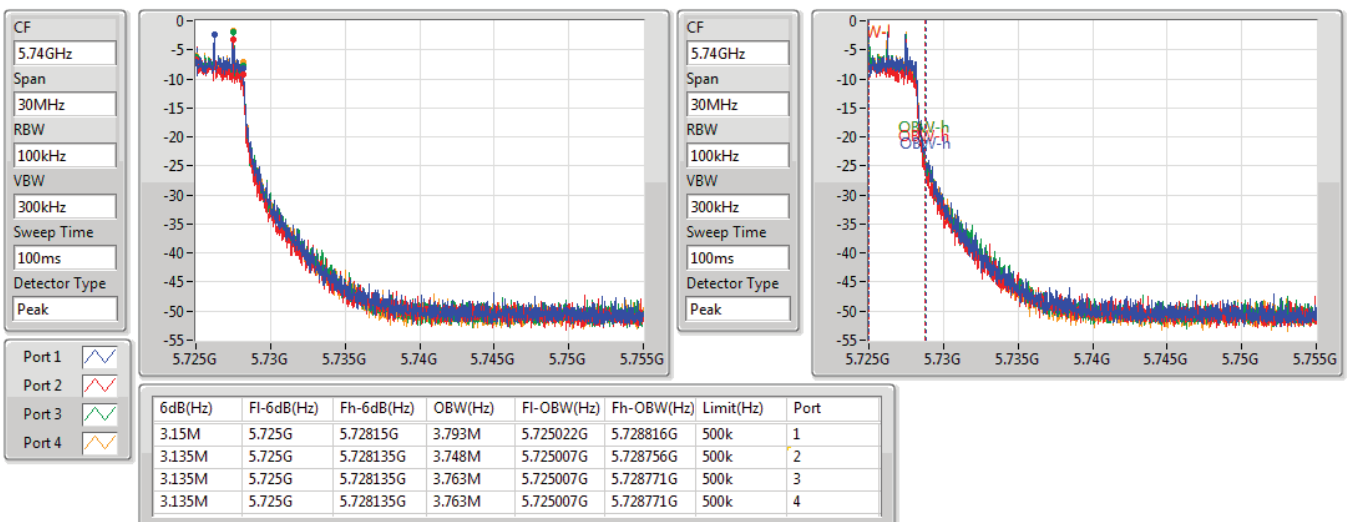


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

12/03/2020

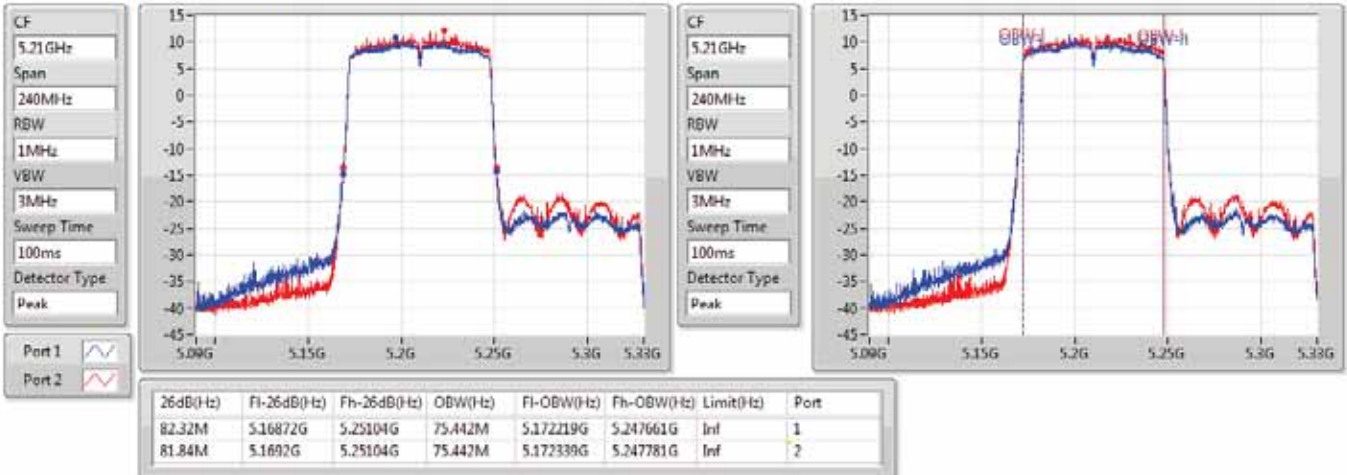


802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)

EBW

#5210MHz,5290MHz

17/03/2020

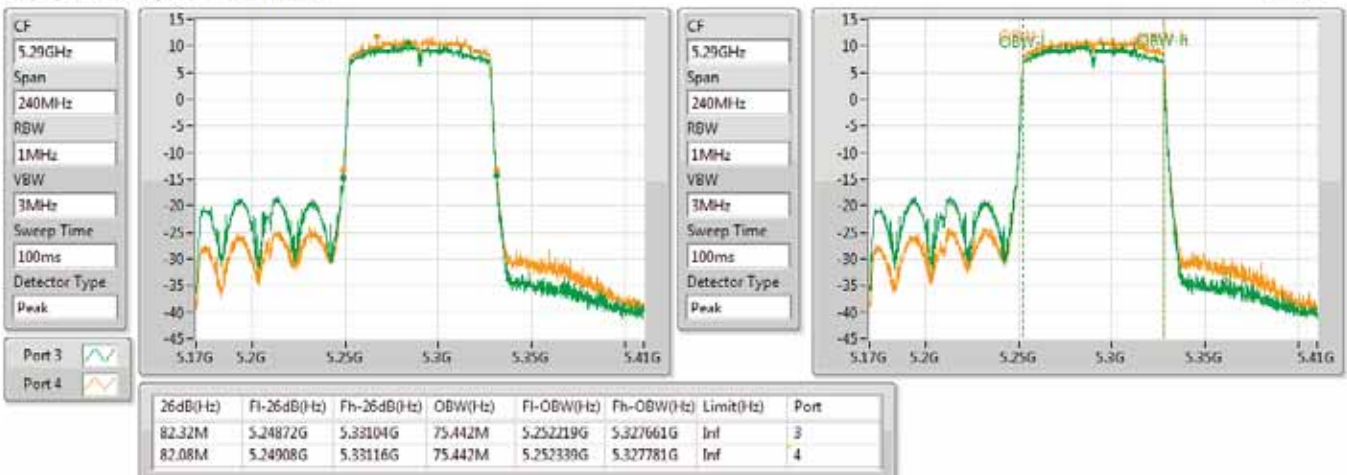


802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)

EBW

5210MHz,#5290MHz

17/03/2020

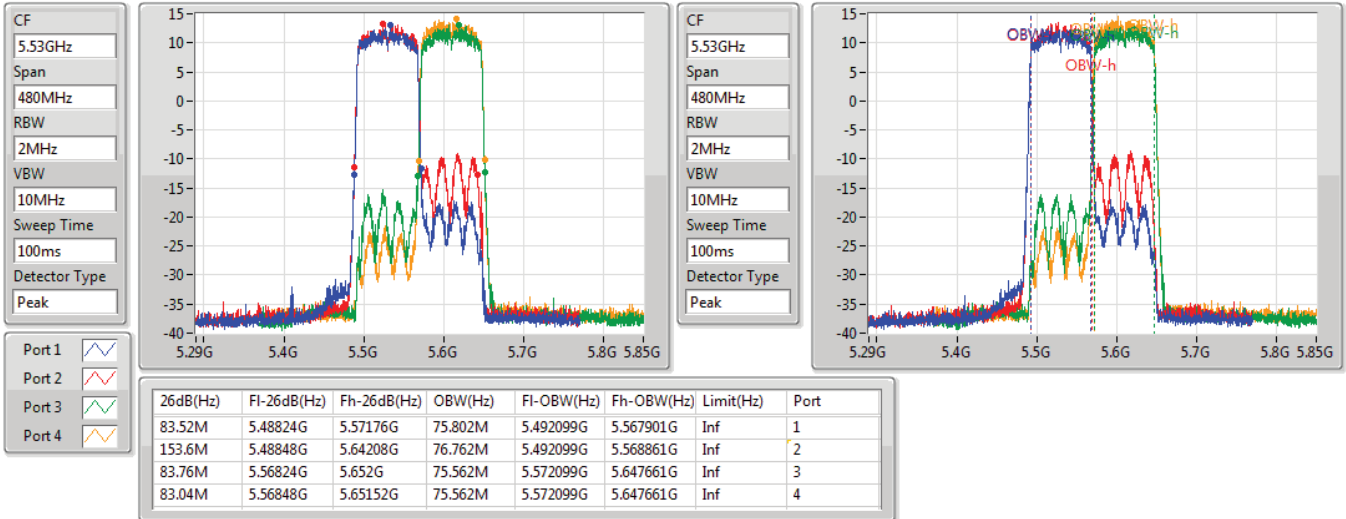


802.11ac VHT80+80_Nss1,(MCS0)_4TX

EBW

#5530MHz,#5610MHz

17/03/2020

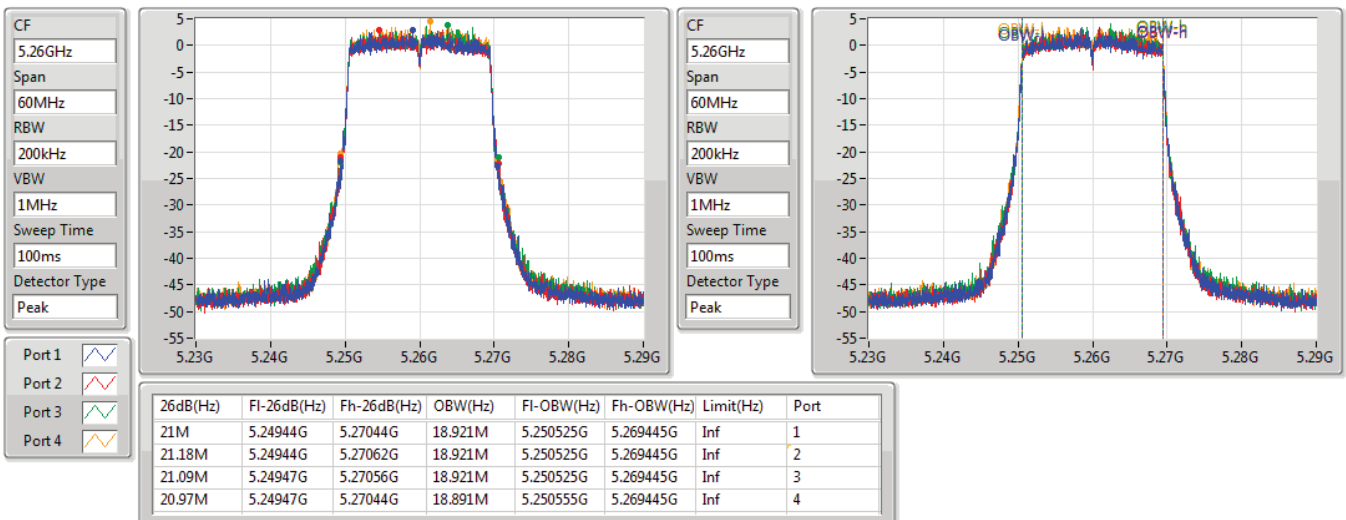


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

11/03/2020



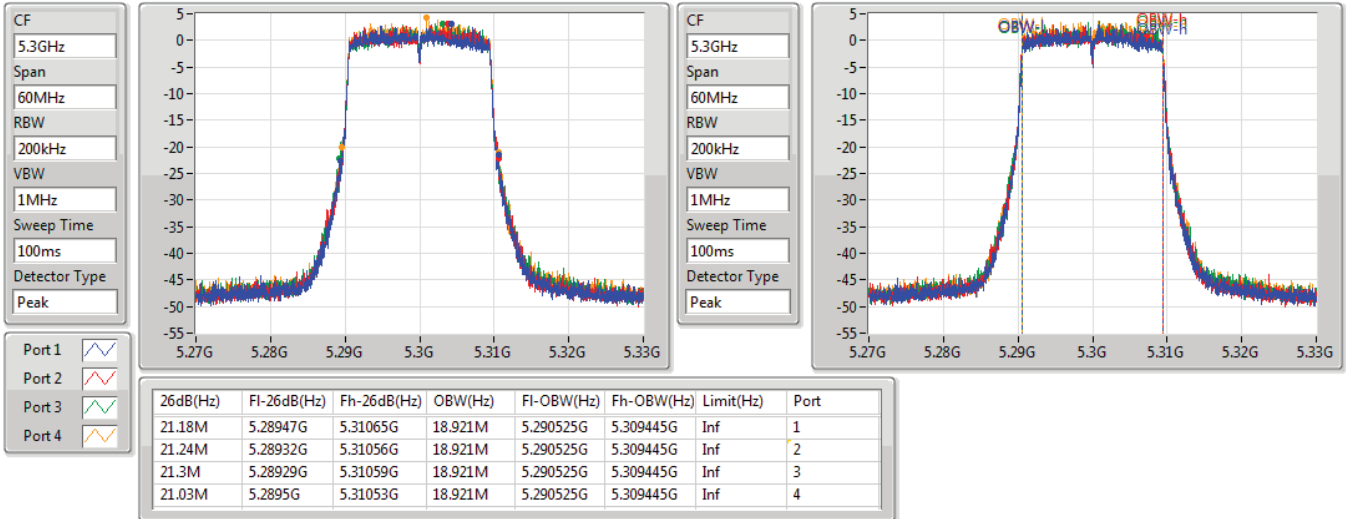


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

11/03/2020

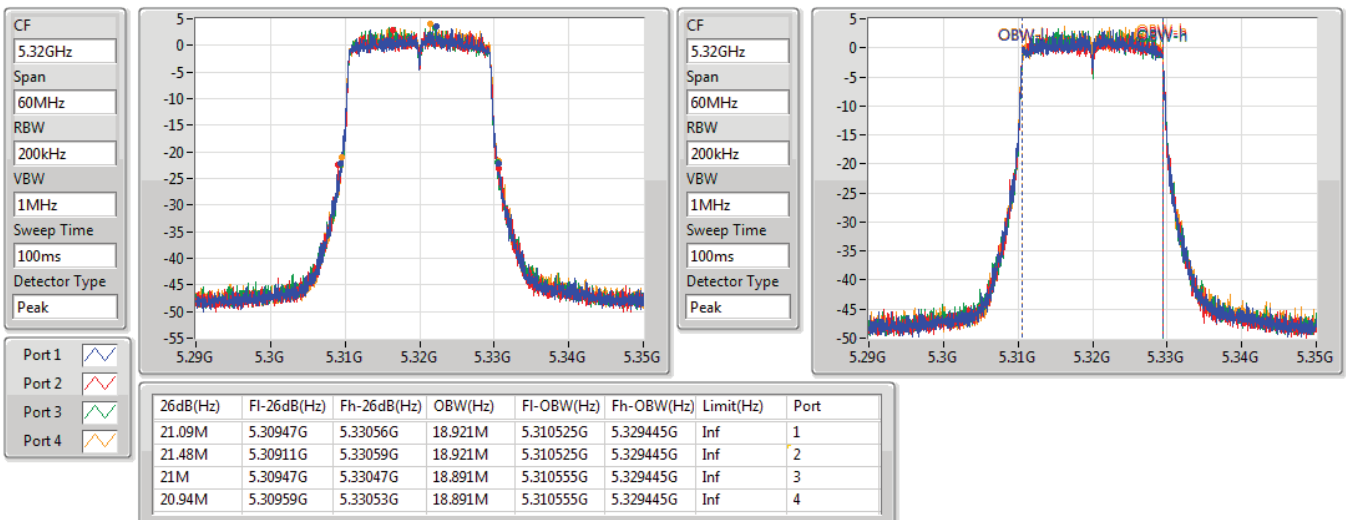


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

11/03/2020



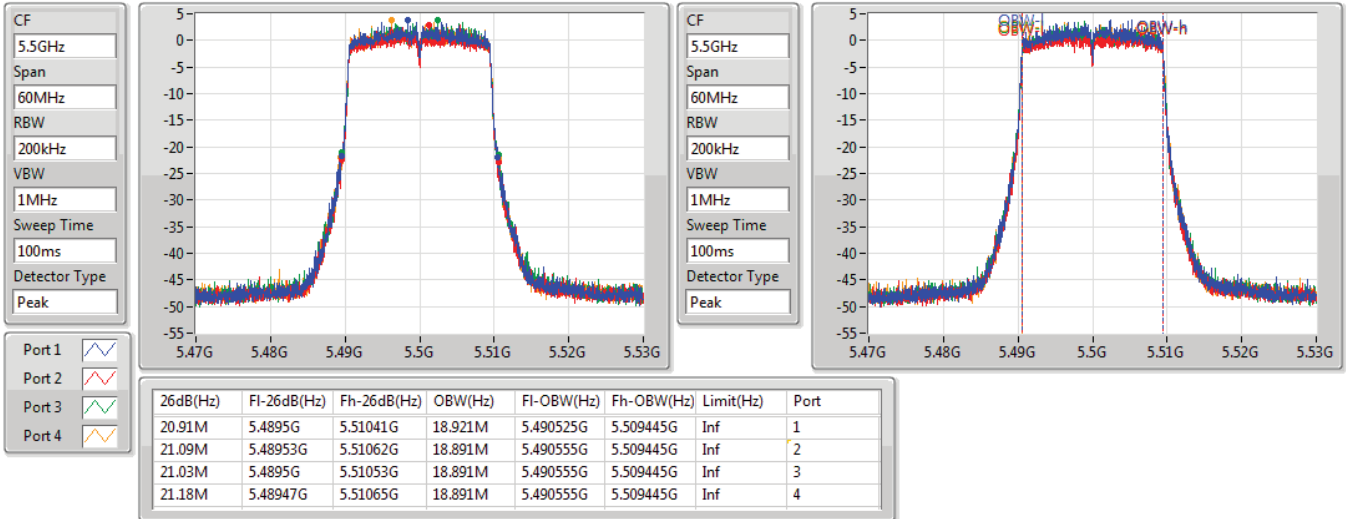


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

11/03/2020

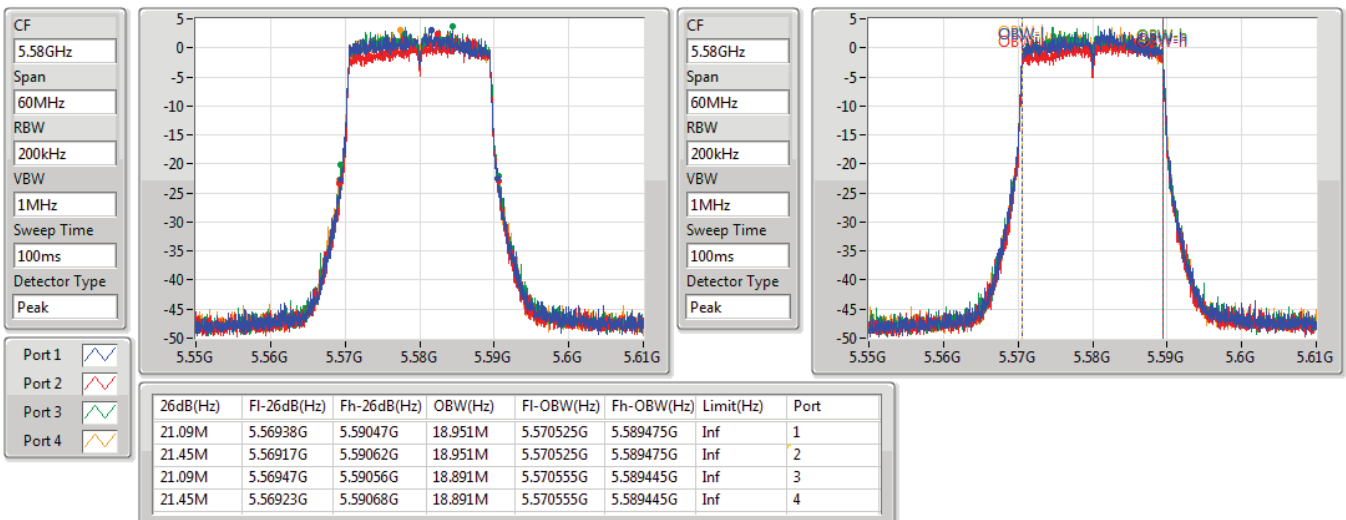


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

11/03/2020



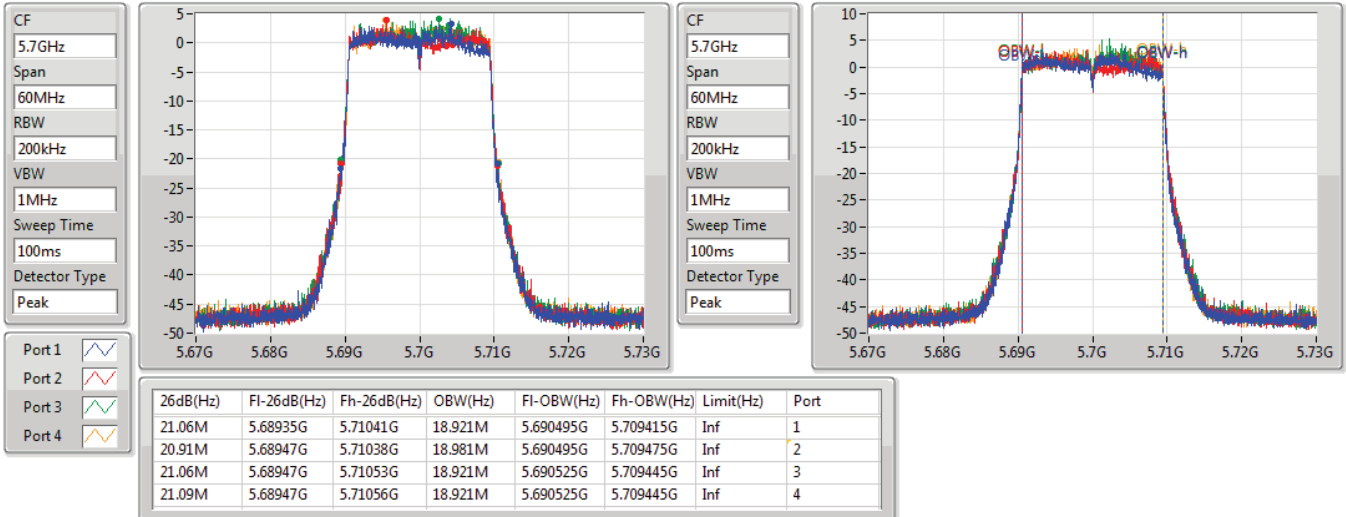


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

11/03/2020

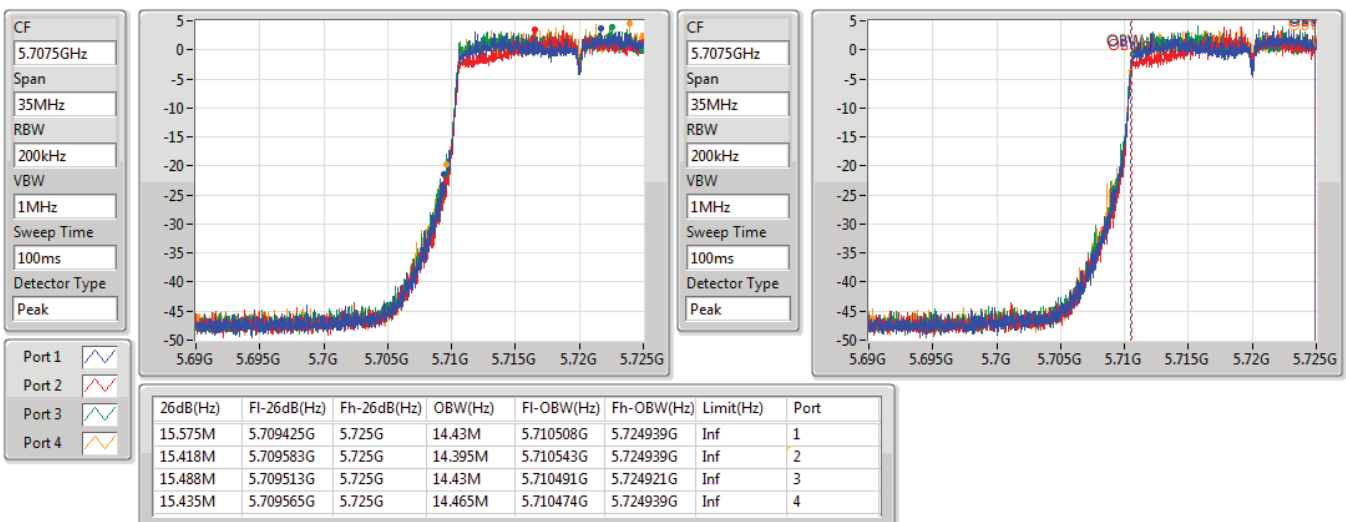


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

11/03/2020

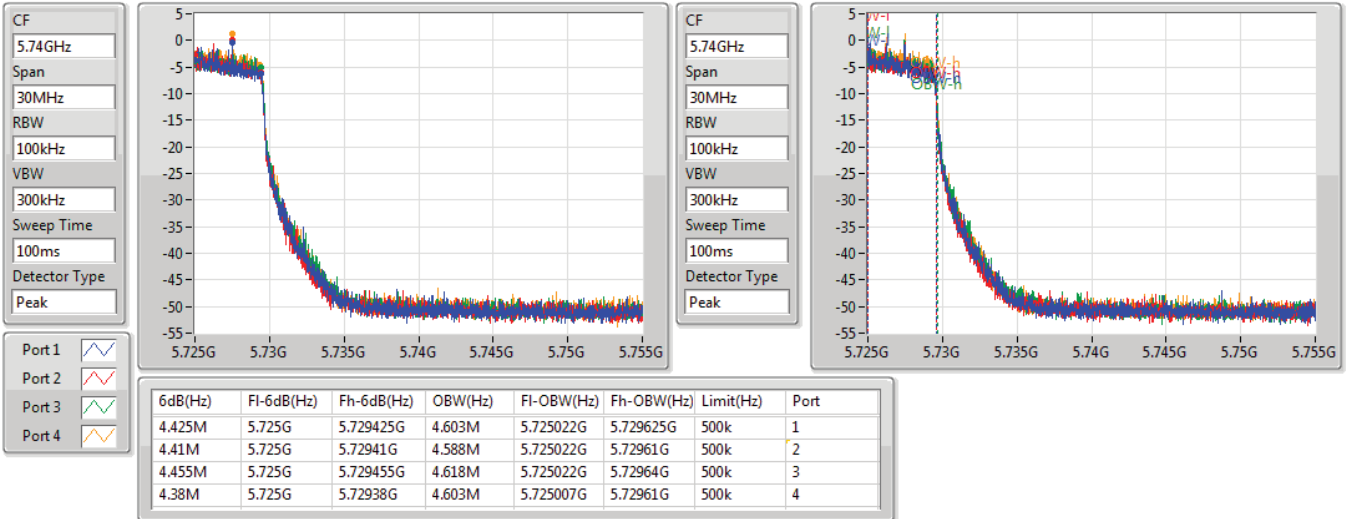


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

11/03/2020

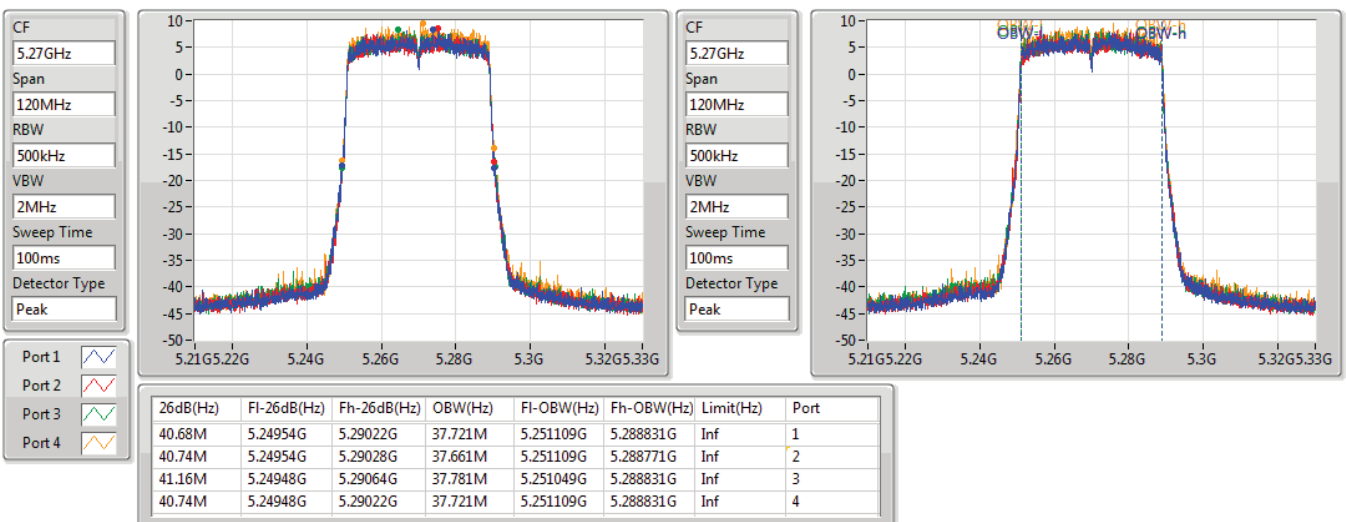


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

12/03/2020



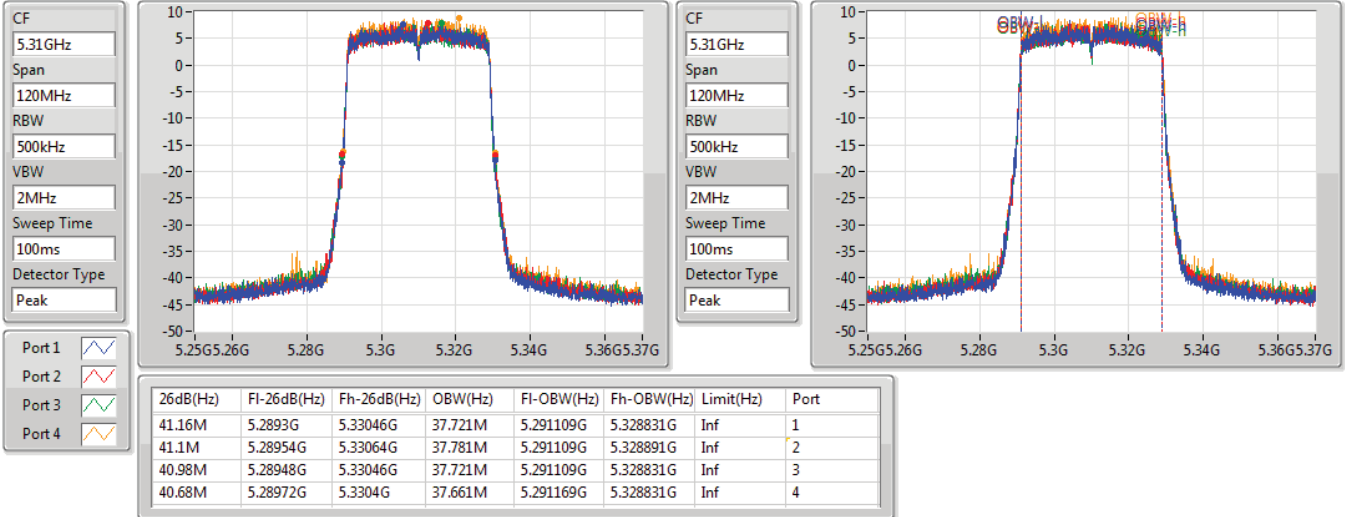


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

12/03/2020

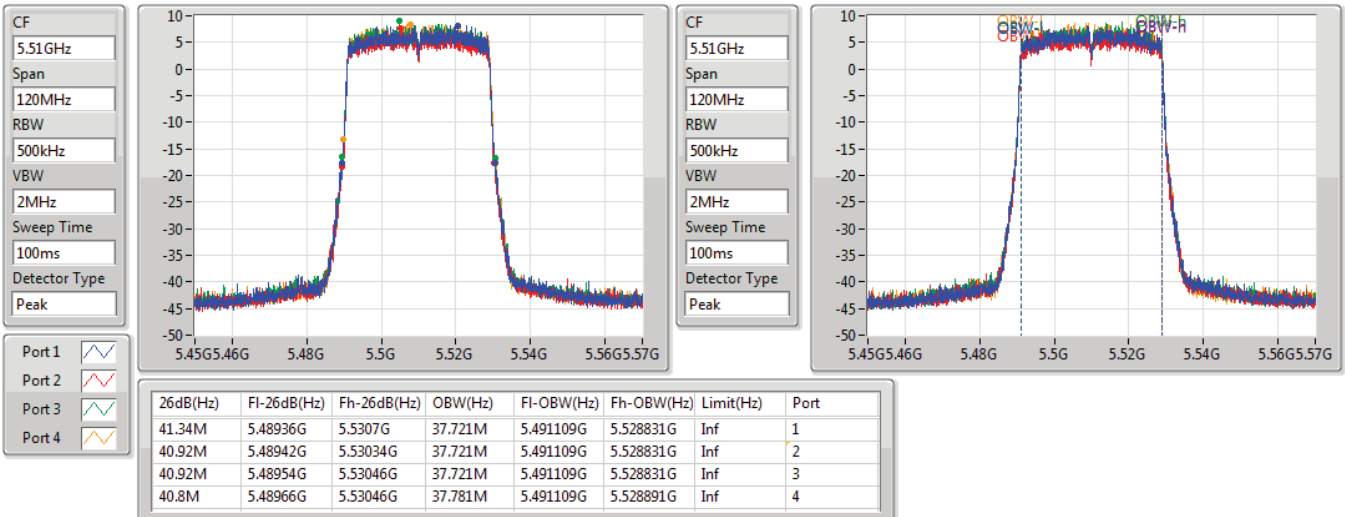


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

12/03/2020



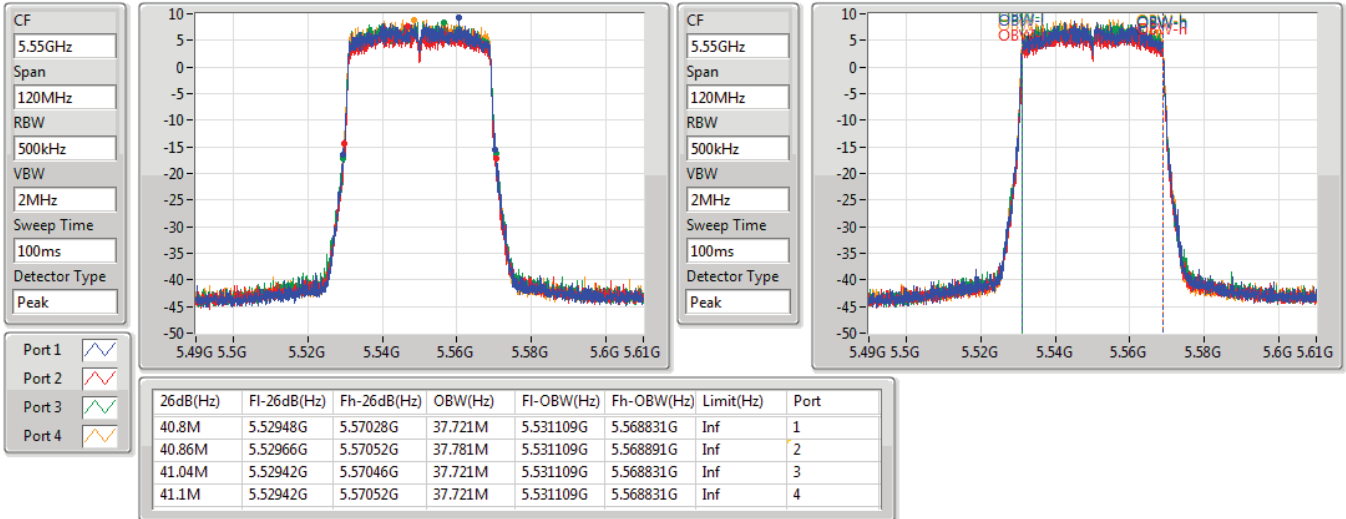


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

12/03/2020

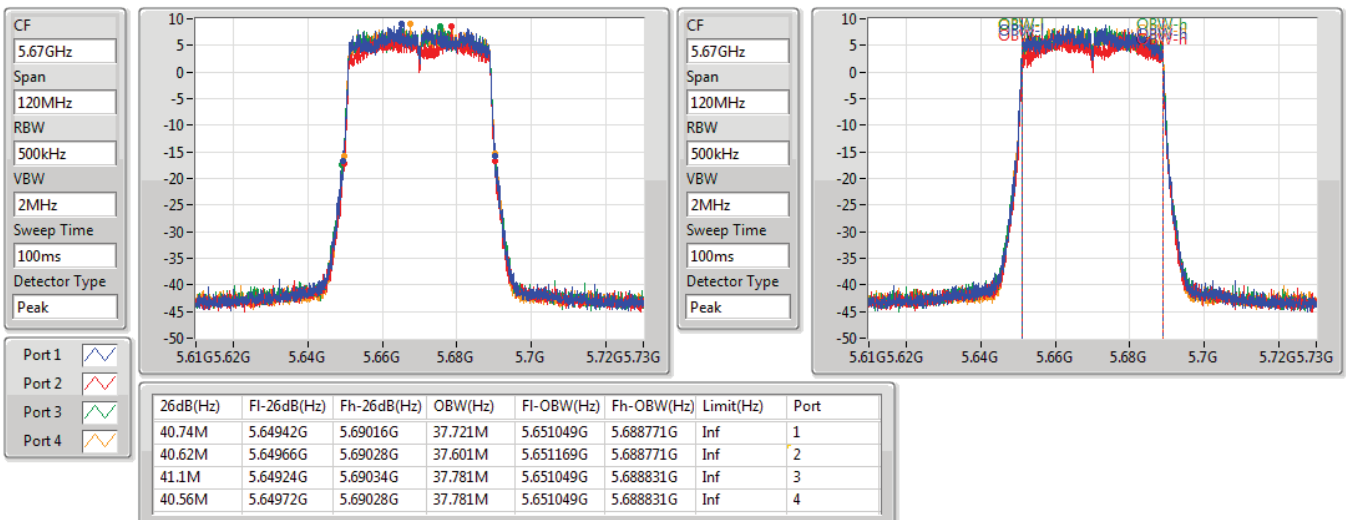


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

12/03/2020

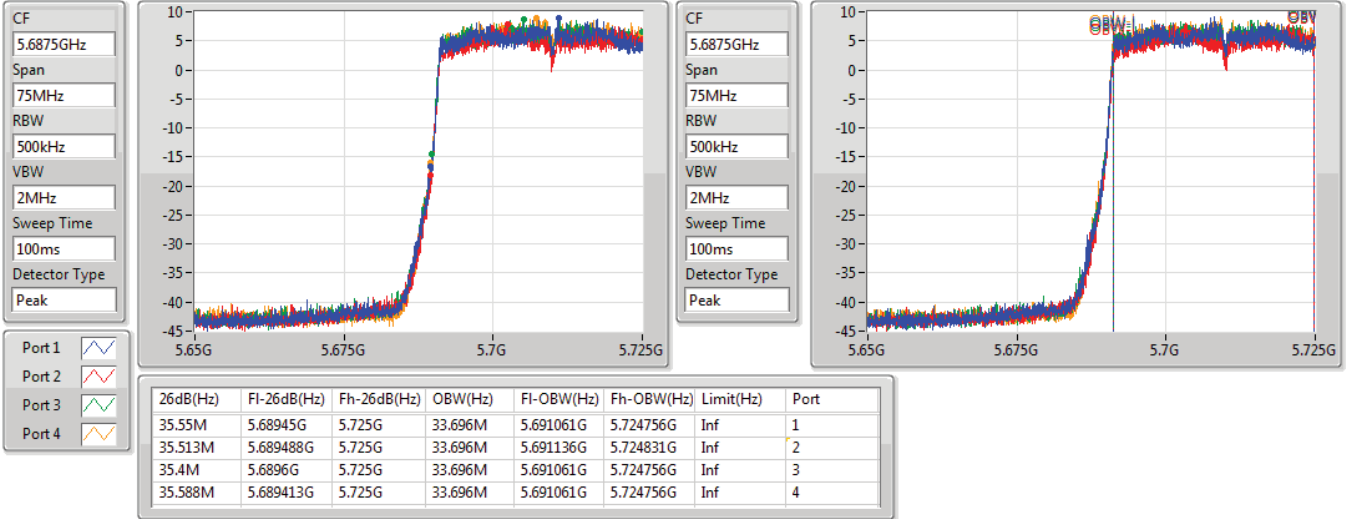


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

12/03/2020

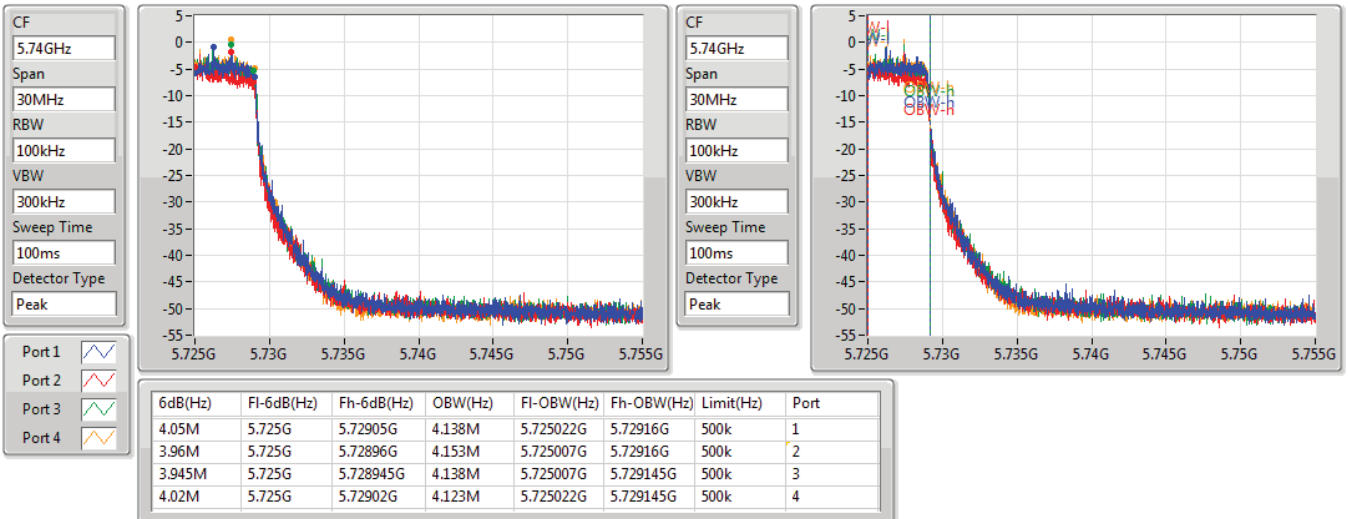


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

12/03/2020



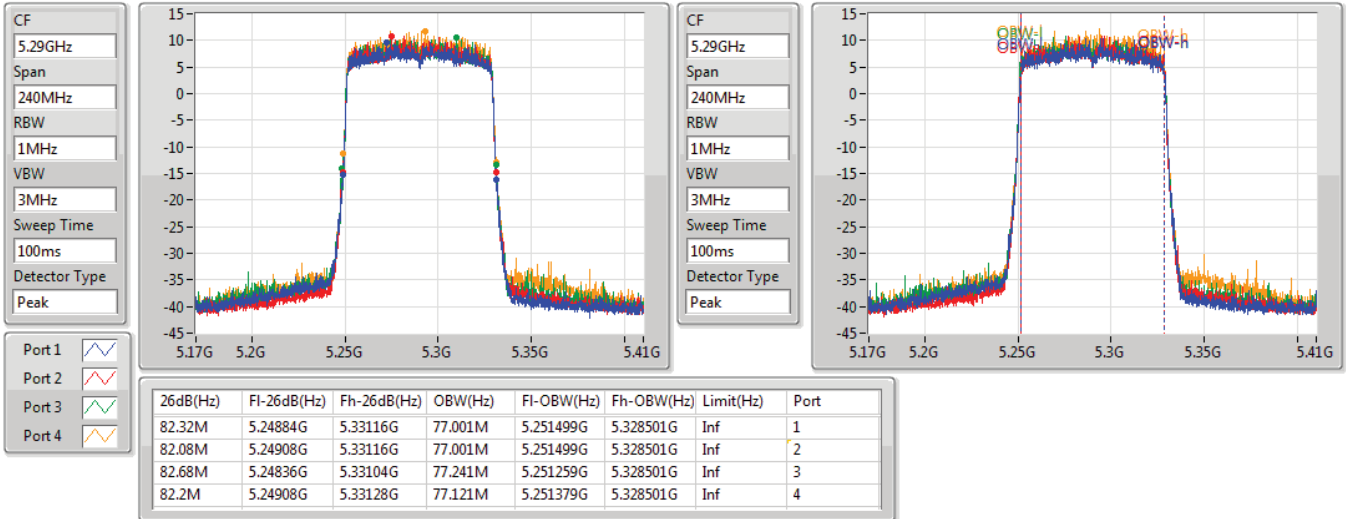


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

12/03/2020

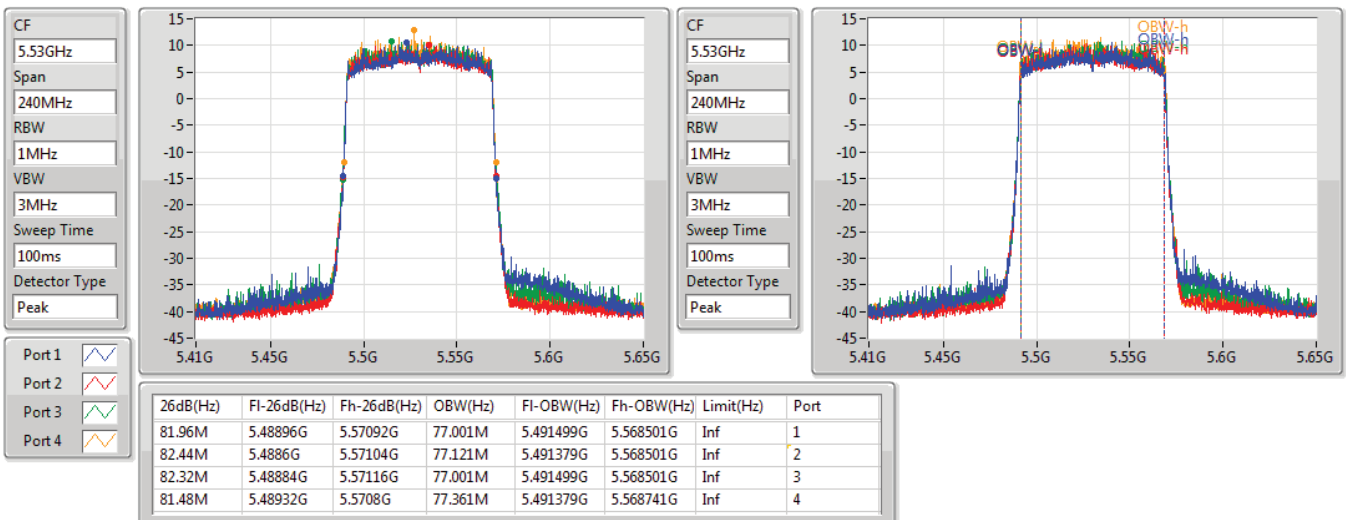


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

12/03/2020



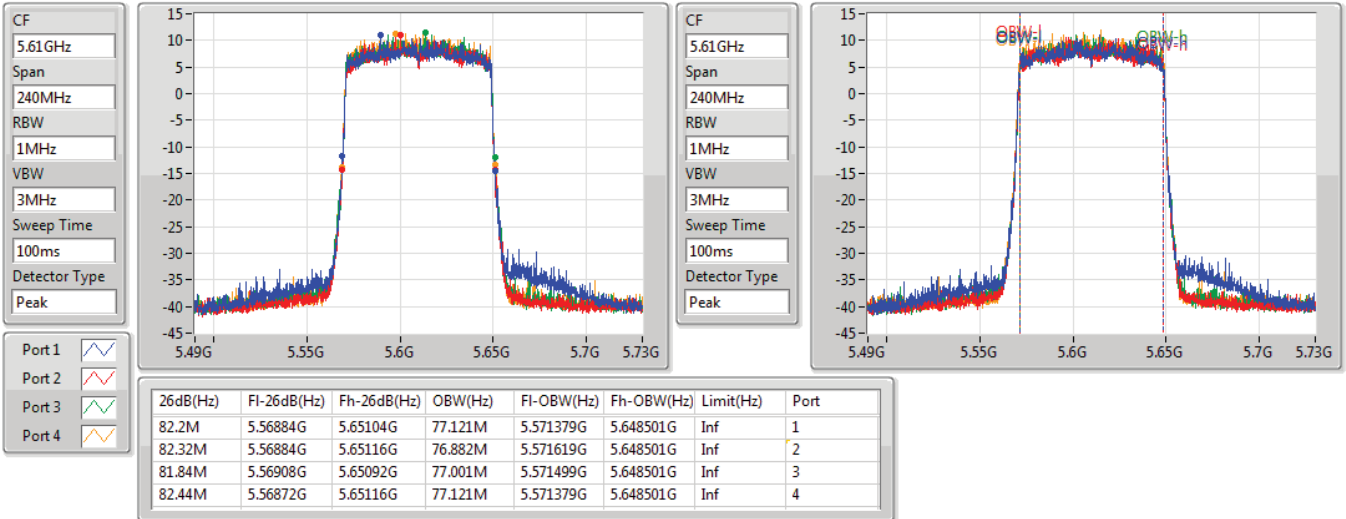


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

12/03/2020

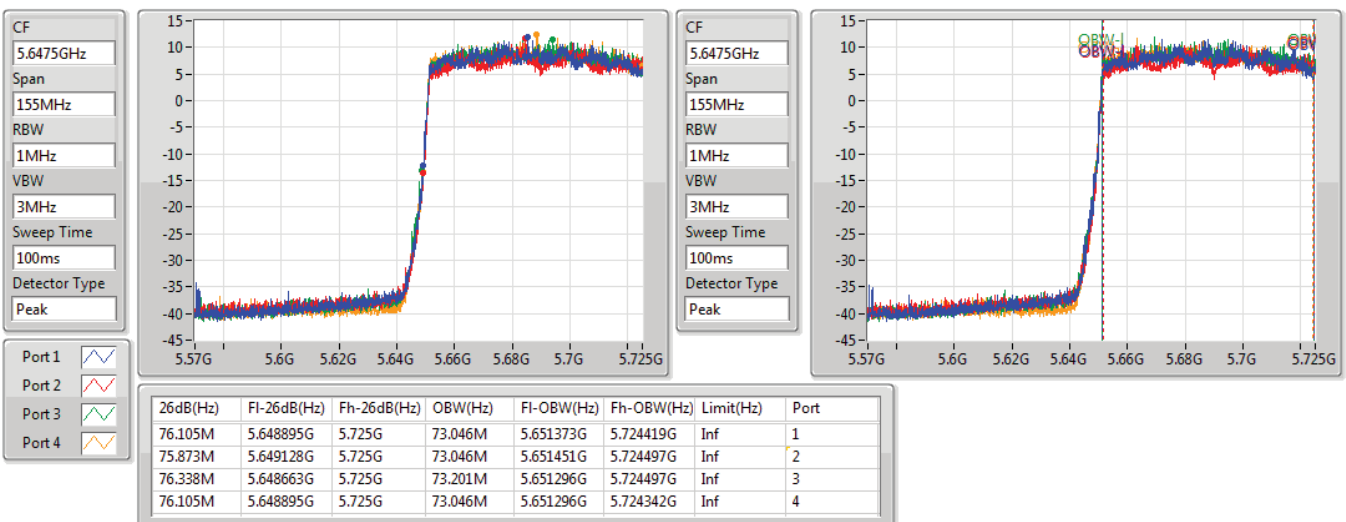


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

12/03/2020

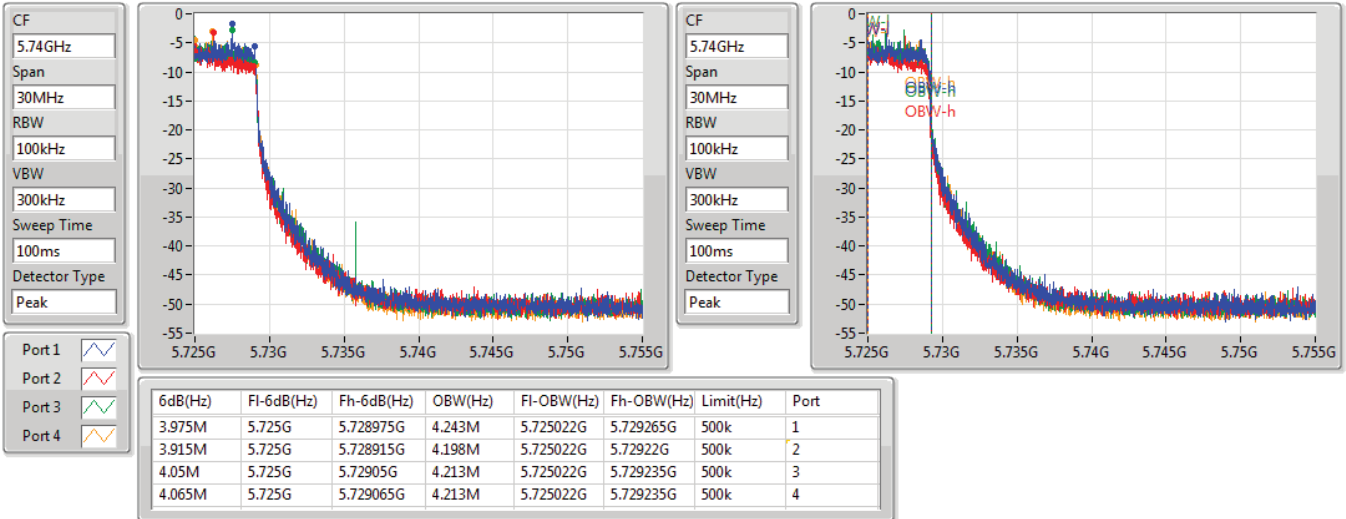


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

12/03/2020

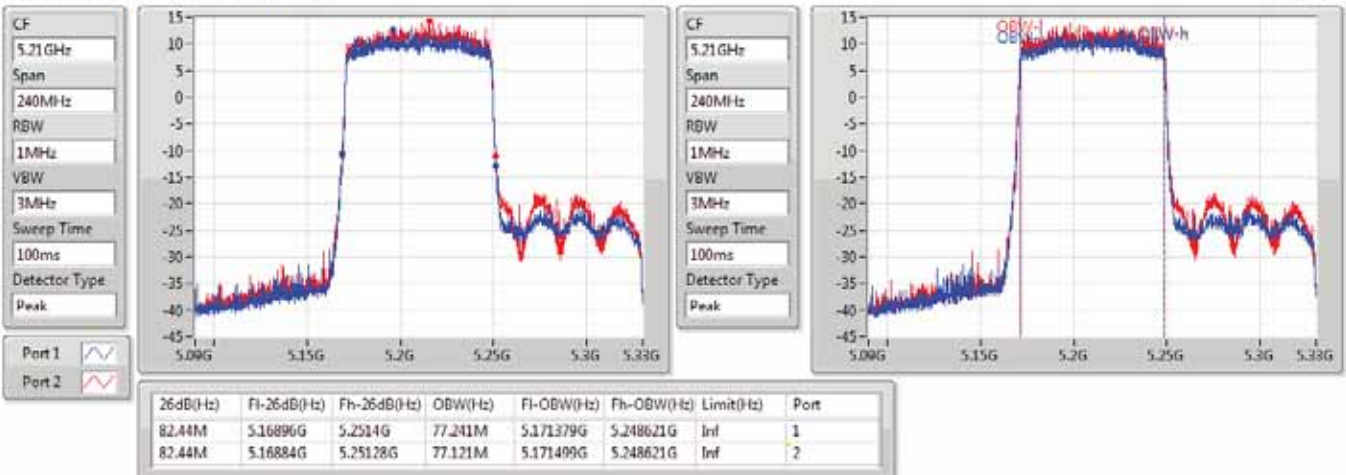


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)

EBW

#5210MHz,5290MHz

17/03/2020

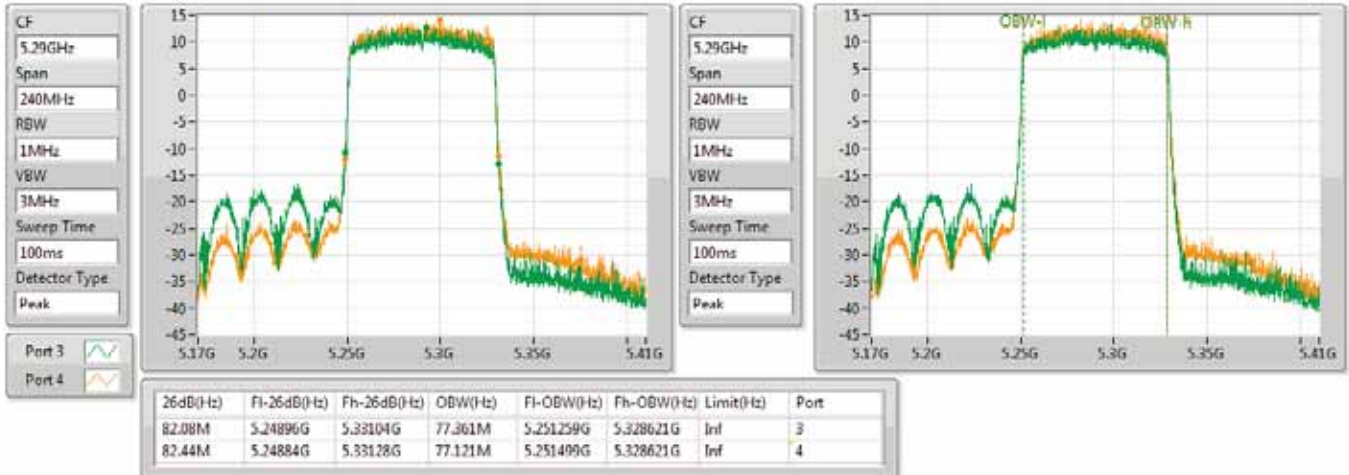


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)

EBW

5210MHz,#5290MHz

17/03/2020

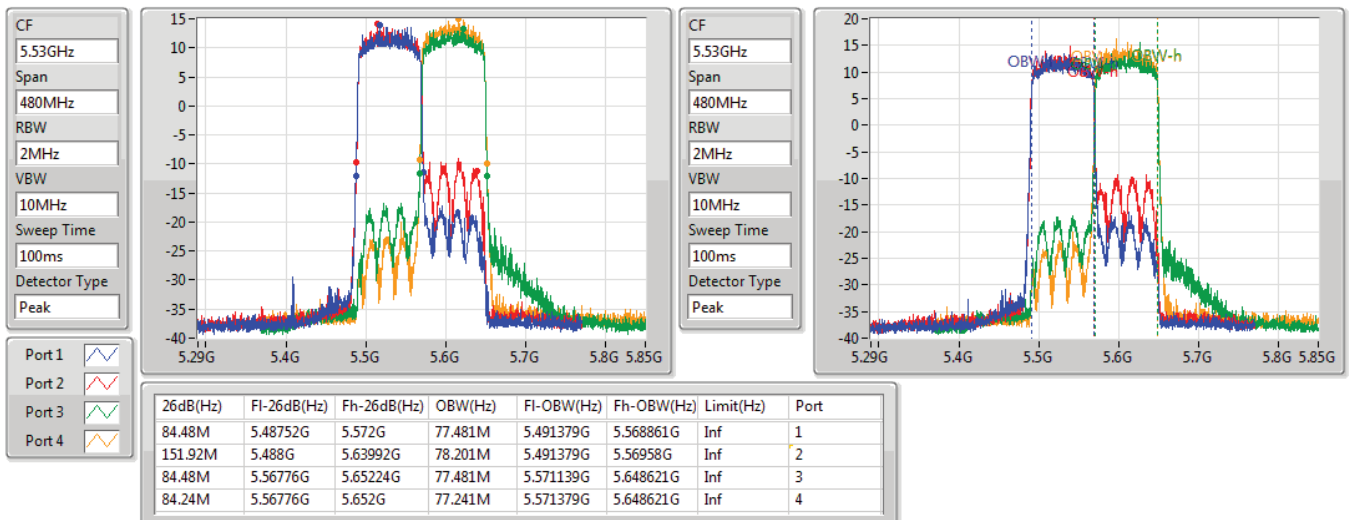


802.11ax HEW80+80_Nss1,(MCS0)_4TX

EBW

#5530MHz,#5610MHz

17/03/2020



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.35M	16.612M	16M6D1D	21.33M	16.522M
802.11ac VHT20_Nss1,(MCS0)_2TX	22.2M	17.751M	17M8D1D	21.96M	17.721M
802.11ac VHT40_Nss1,(MCS0)_2TX	50.88M	36.822M	36M8D1D	45M	36.402M
802.11ac VHT80_Nss1,(MCS0)_2TX	90.36M	76.162M	76M2D1D	89.4M	76.162M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	29.4M	17.031M	17M0D1D	21.39M	14.15M
802.11ac VHT20_Nss1,(MCS0)_2TX	30.69M	18.171M	18M2D1D	20.72M	14.605M
802.11ac VHT40_Nss1,(MCS0)_2TX	76.2M	38.081M	38M1D1D	49.74M	33.846M
802.11ac VHT80_Nss1,(MCS0)_2TX	152.52M	78.321M	78M3D1D	88.8M	73.201M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.135M	9.7M	9M70D1D	3.135M	8.996M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.765M	10.03M	10M0D1D	3.765M	8.951M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.15M	21.784M	21M8D1D	3.12M	19.145M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.255M	27.496M	27M5D1D	3.225M	26.207M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	22.35M	16.612M	21.51M	16.552M
5300MHz	Pass	Inf	21.87M	16.582M	21.42M	16.552M
5320MHz	Pass	Inf	21.81M	16.582M	21.33M	16.522M
5500MHz	Pass	Inf	21.9M	16.582M	21.39M	16.582M
5580MHz	Pass	Inf	21.57M	16.582M	23.49M	16.642M
5700MHz	Pass	Inf	29.4M	16.942M	28.77M	17.031M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	21.613M	14.15M	21.7M	14.693M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	8.996M	3.135M	9.7M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	22.08M	17.721M	22.2M	17.751M
5300MHz	Pass	Inf	22.02M	17.721M	22.11M	17.721M
5320MHz	Pass	Inf	22.11M	17.751M	21.96M	17.721M
5500MHz	Pass	Inf	22.47M	17.811M	30.51M	18.051M
5580MHz	Pass	Inf	30.18M	18.111M	30.69M	18.171M
5700MHz	Pass	Inf	26.82M	17.961M	30.51M	18.051M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	20.72M	14.605M	22.54M	14.938M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.765M	8.951M	3.765M	10.03M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	50.88M	36.822M	45.36M	36.582M
5310MHz	Pass	Inf	46.5M	36.522M	45M	36.402M
5510MHz	Pass	Inf	49.74M	36.762M	55.08M	36.822M
5550MHz	Pass	Inf	63.24M	37.121M	76.2M	38.081M
5670MHz	Pass	Inf	63.66M	37.361M	74.28M	38.021M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	50.85M	33.846M	54.713M	34.858M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	19.145M	3.12M	21.784M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	90.36M	76.162M	89.4M	76.162M
5530MHz	Pass	Inf	89.16M	76.282M	88.8M	75.922M
5610MHz	Pass	Inf	114.6M	76.882M	152.52M	78.321M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	94.705M	73.201M	102.61M	73.743M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.255M	26.207M	3.225M	27.496M

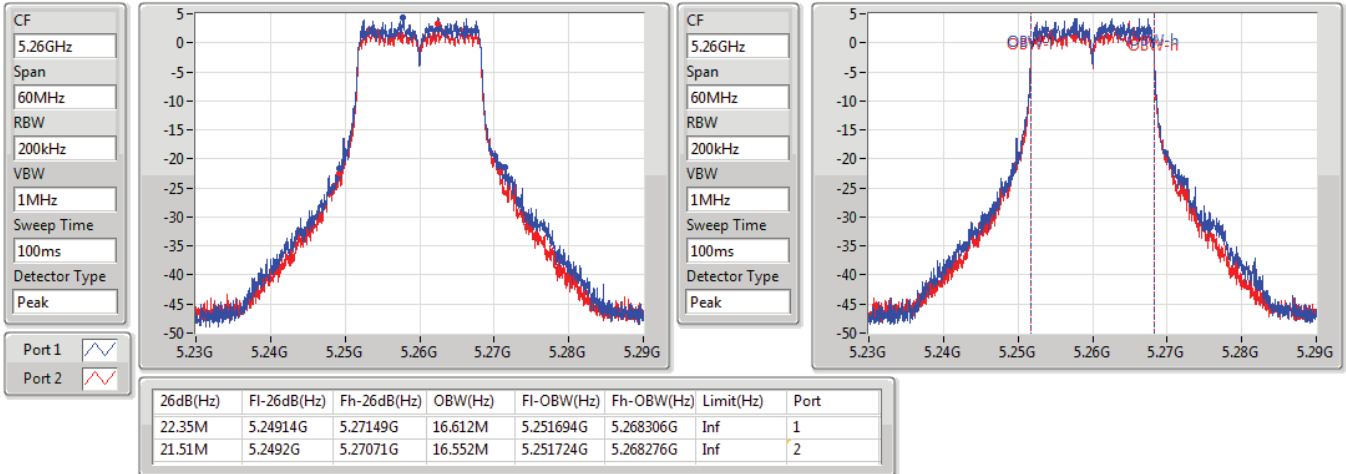
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band**Port X-OBW** = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

15/03/2020

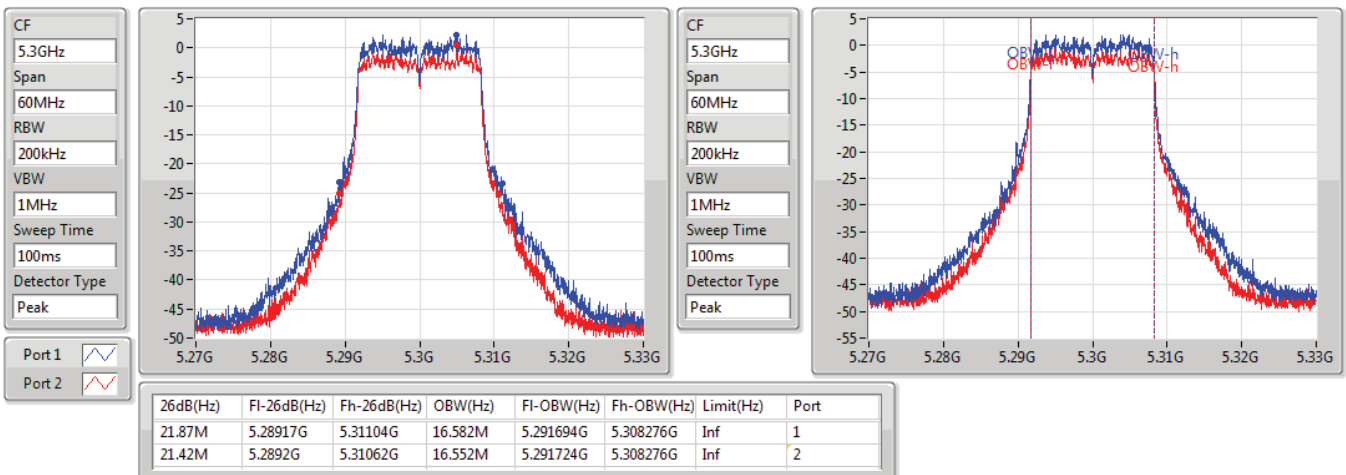


802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

15/03/2020

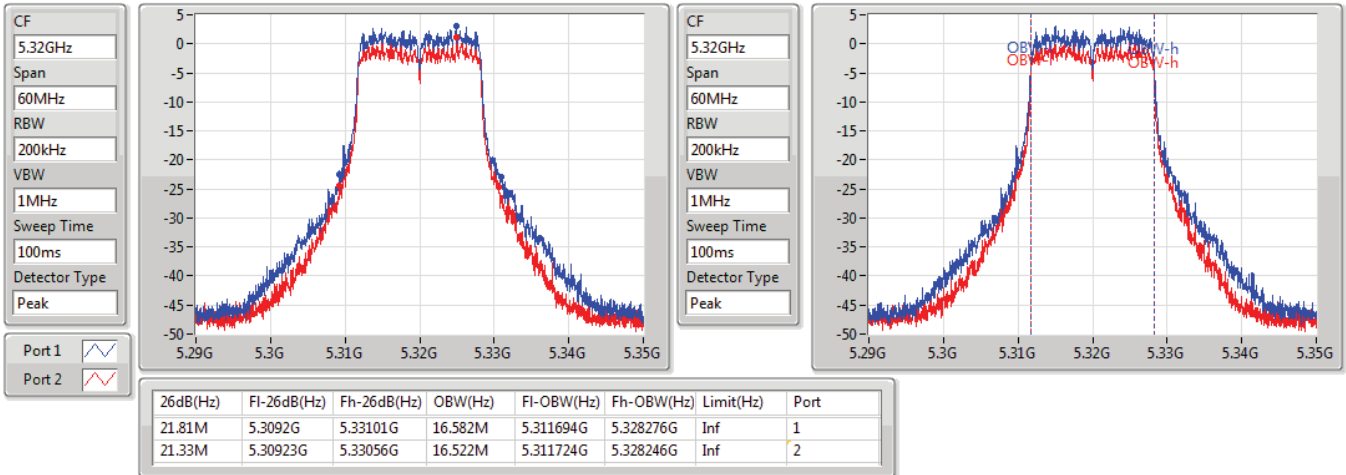


802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

15/03/2020

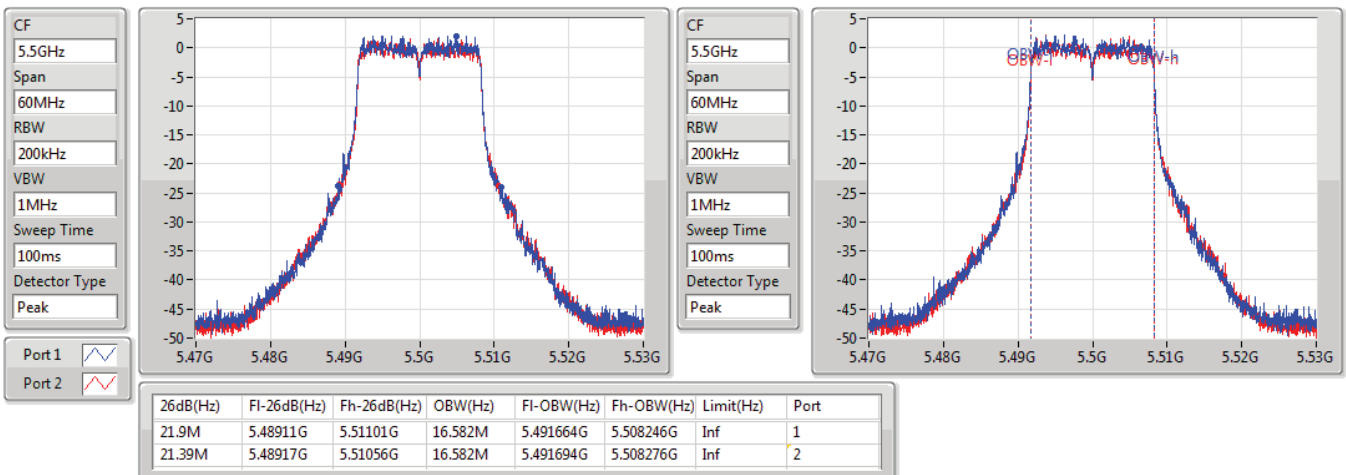


802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

15/03/2020

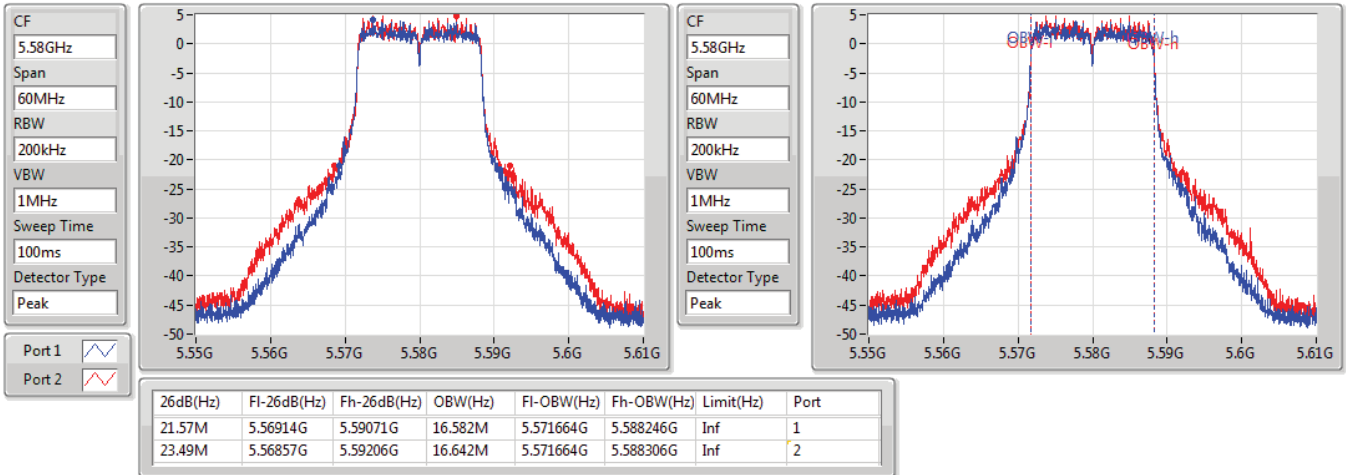


802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

15/03/2020

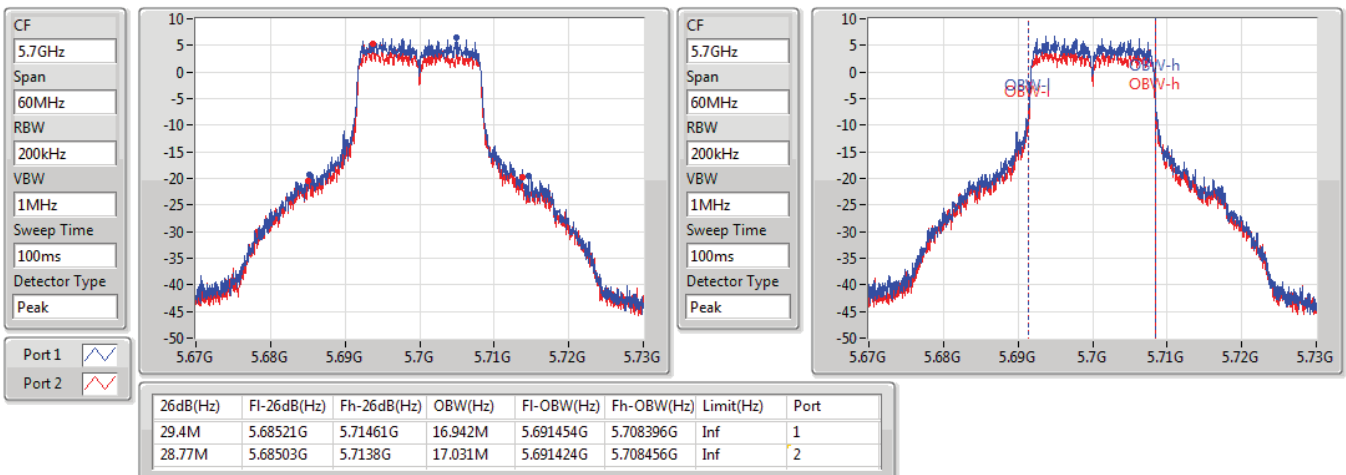


802.11a_Nss1,(6Mbps)_2TX

EBW

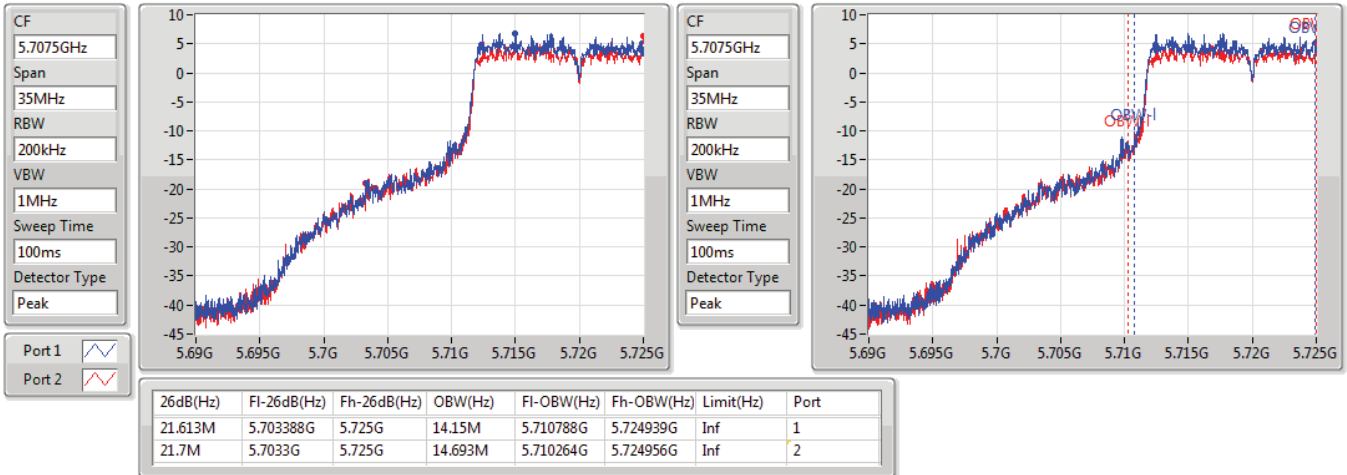
5700MHz

15/03/2020

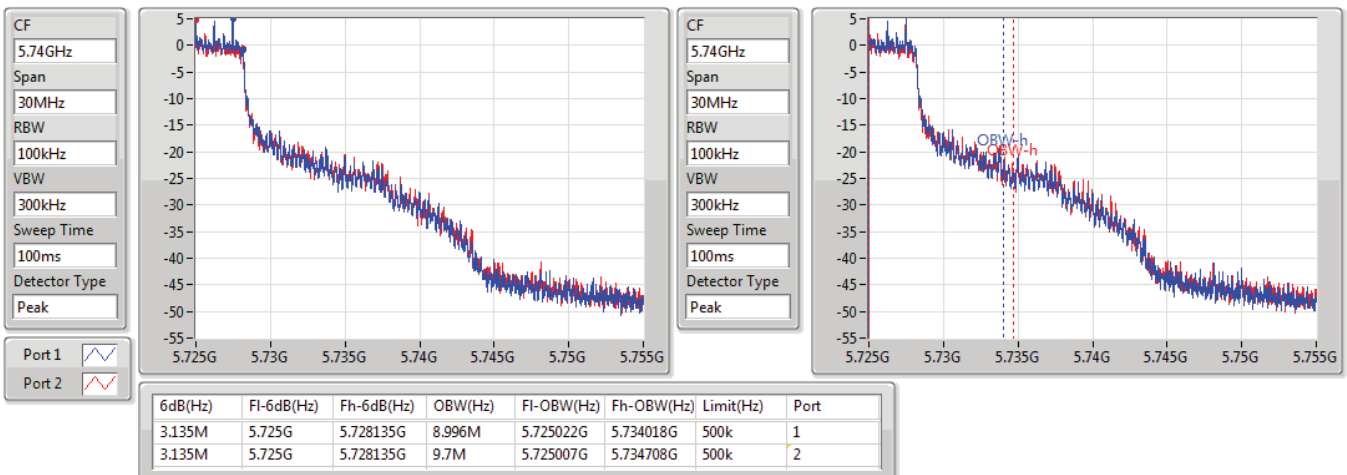


802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

15/03/2020

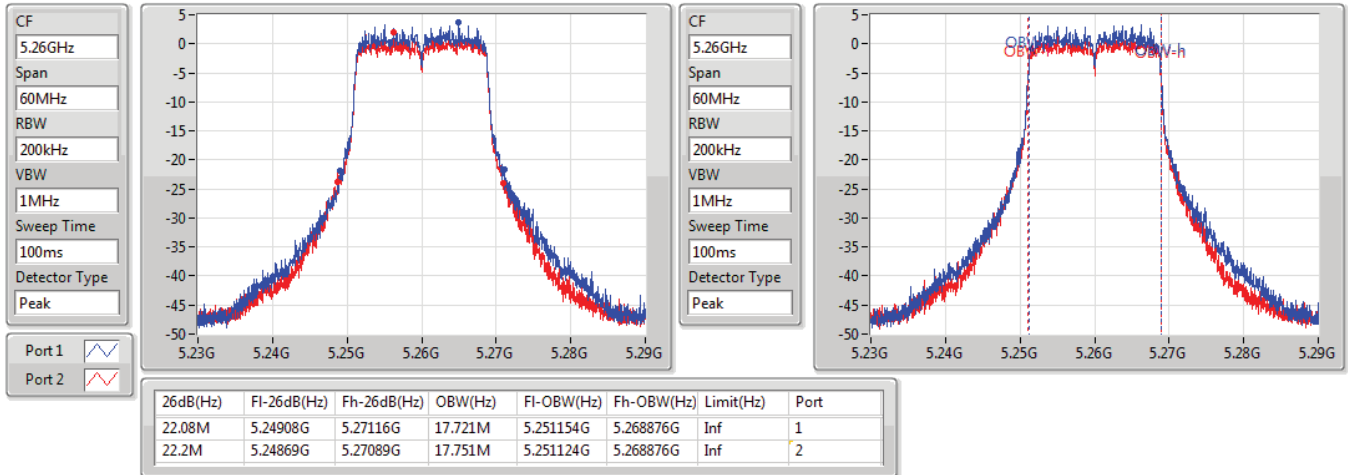

802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

15/03/2020

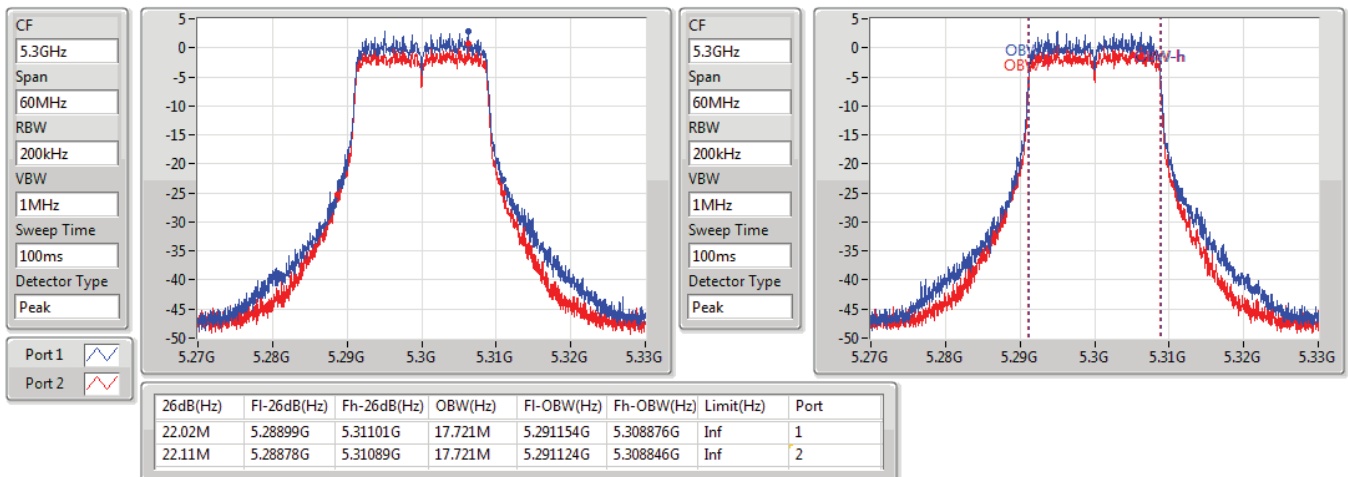


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5260MHz

15/03/2020


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

15/03/2020

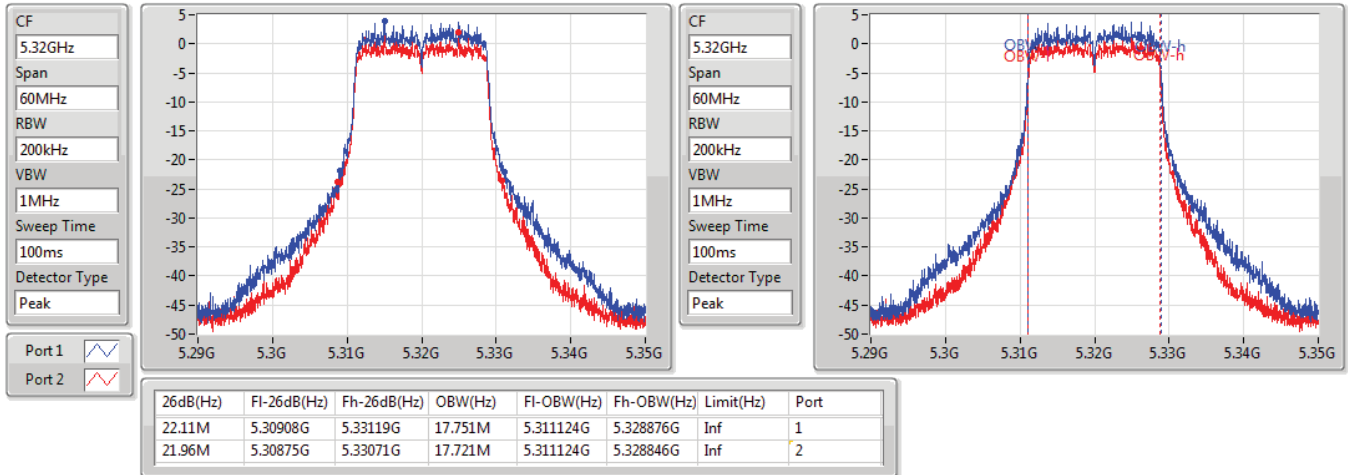


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5320MHz

15/03/2020

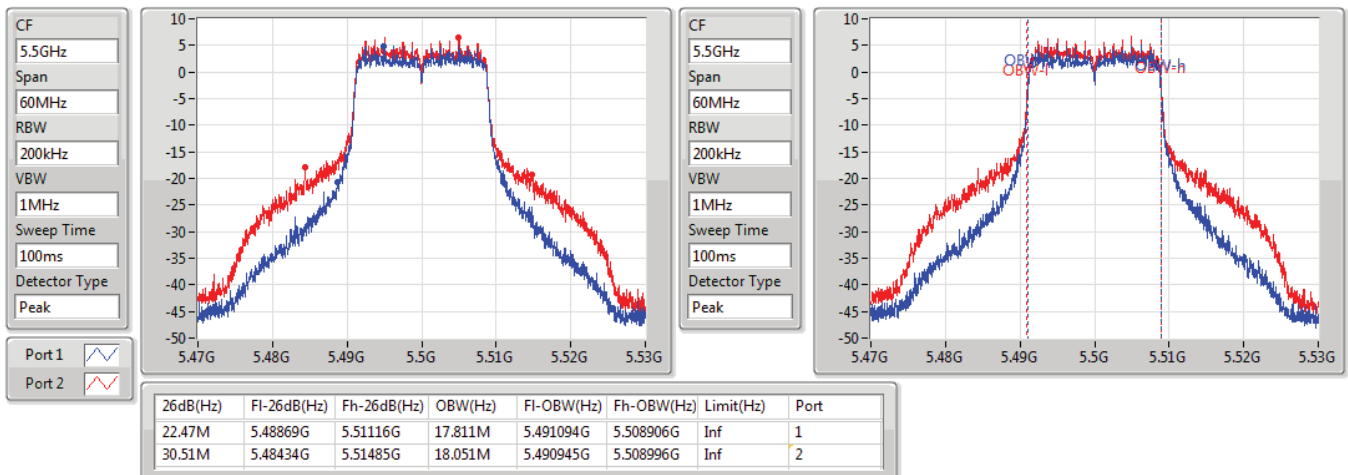


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5500MHz

15/03/2020

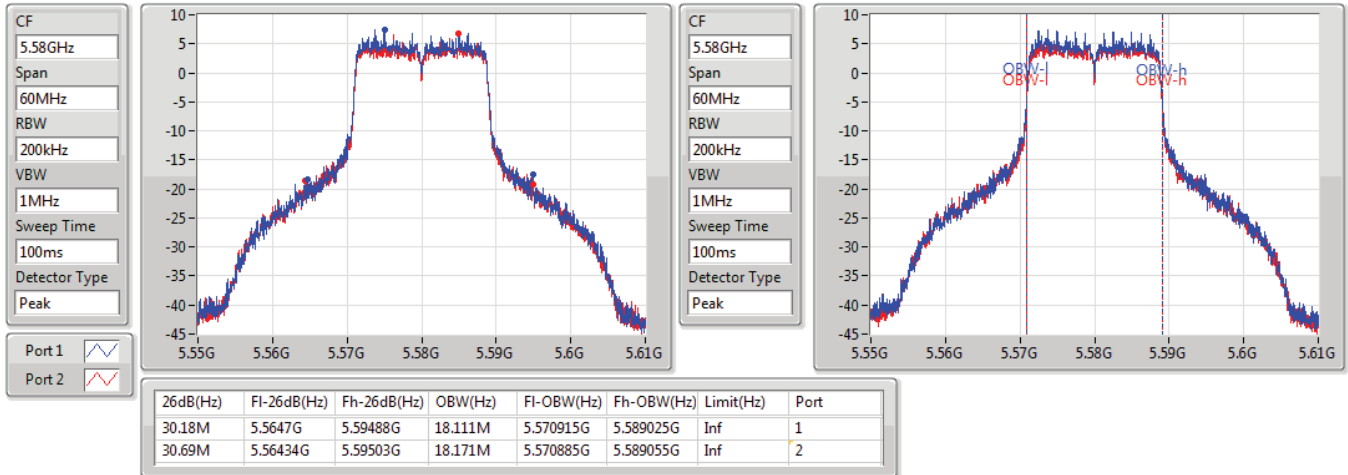


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5580MHz

15/03/2020

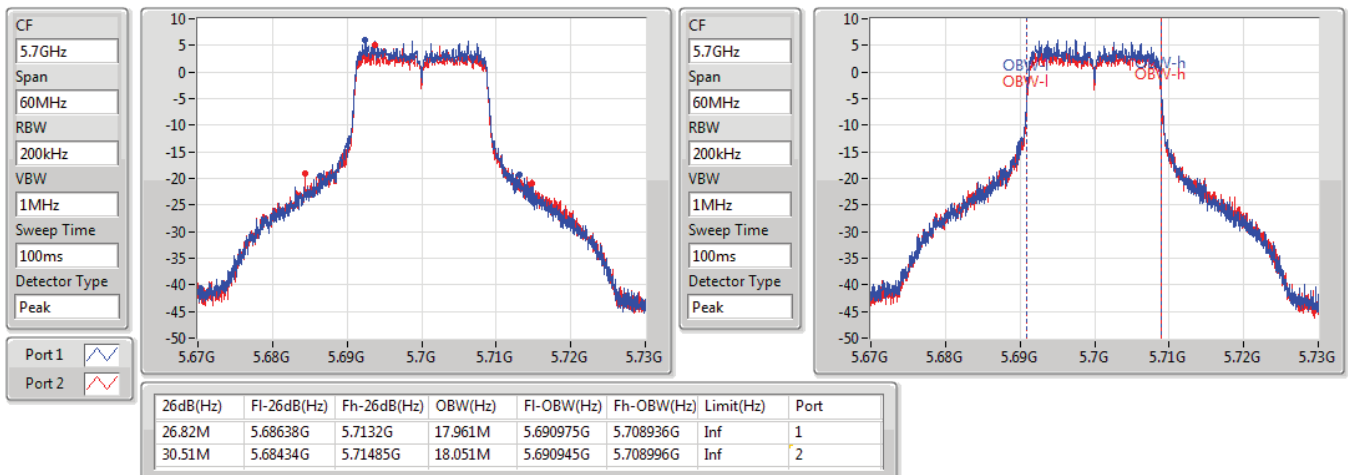


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

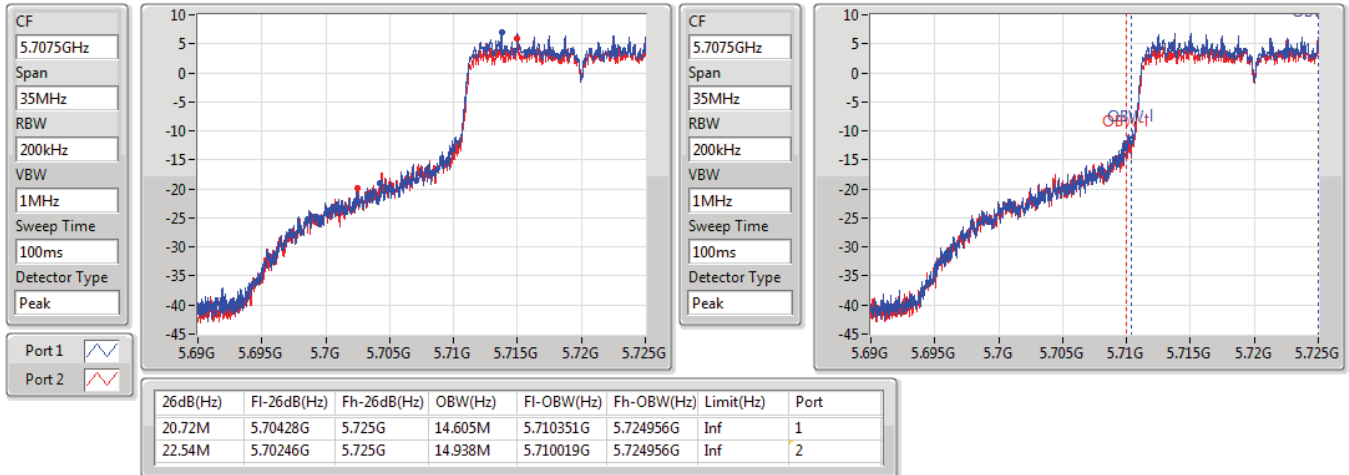
5700MHz

15/03/2020

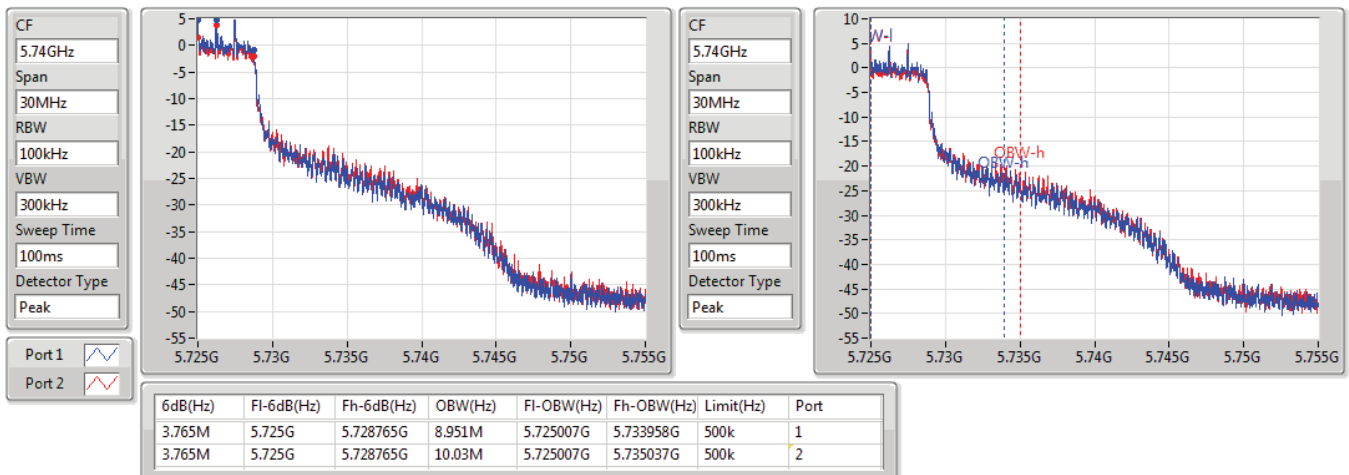


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

15/03/2020


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

15/03/2020

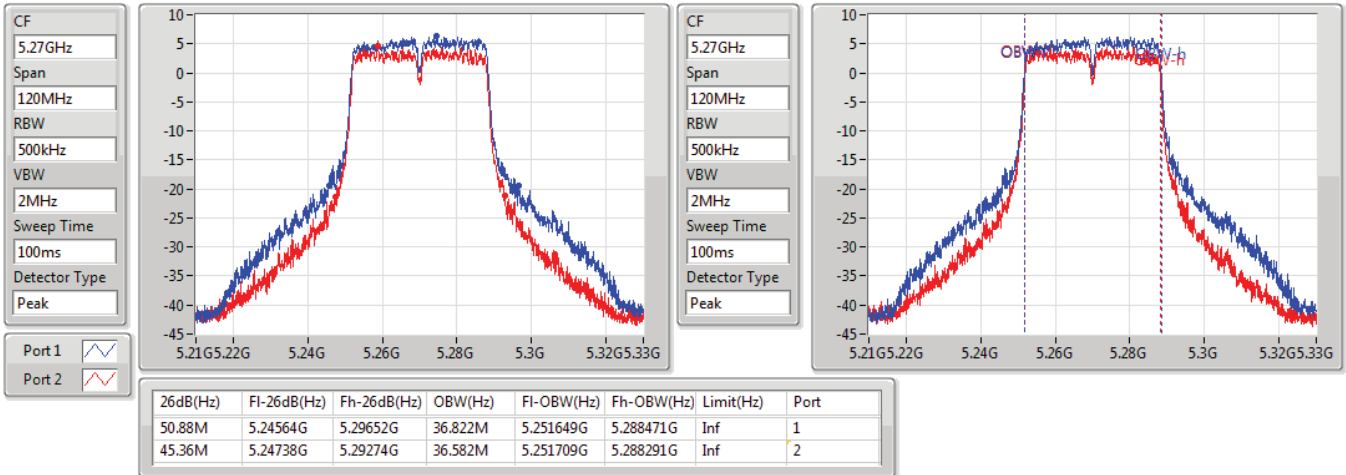


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5270MHz

15/03/2020

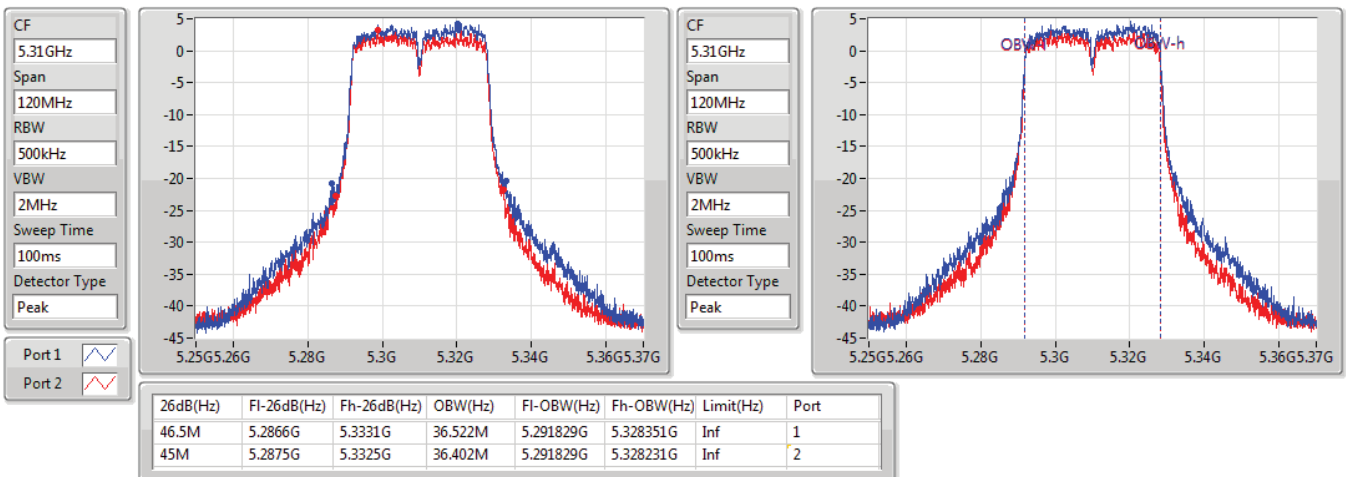


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5310MHz

15/03/2020

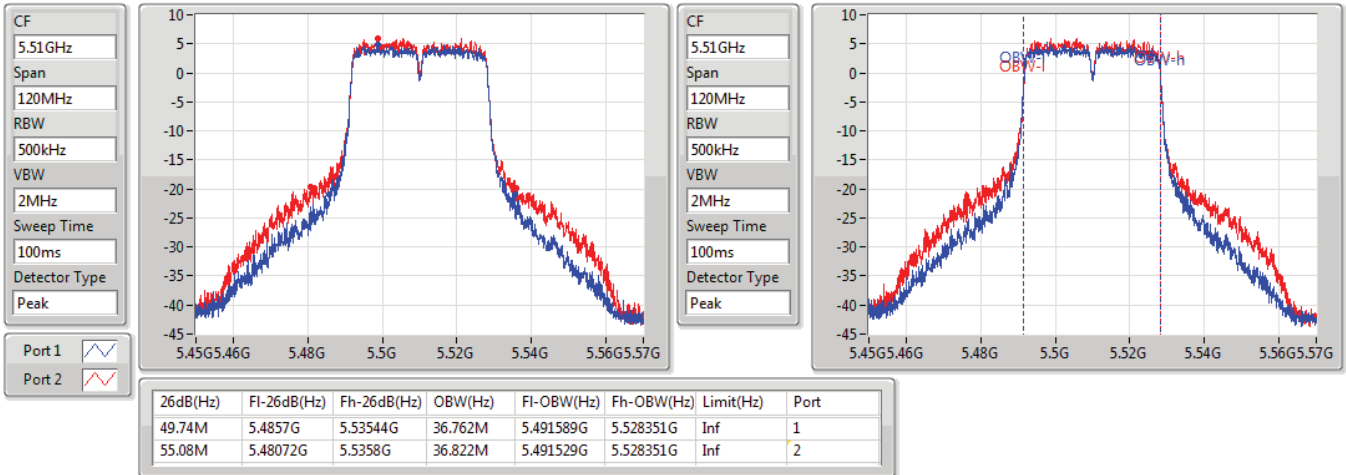


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5510MHz

15/03/2020

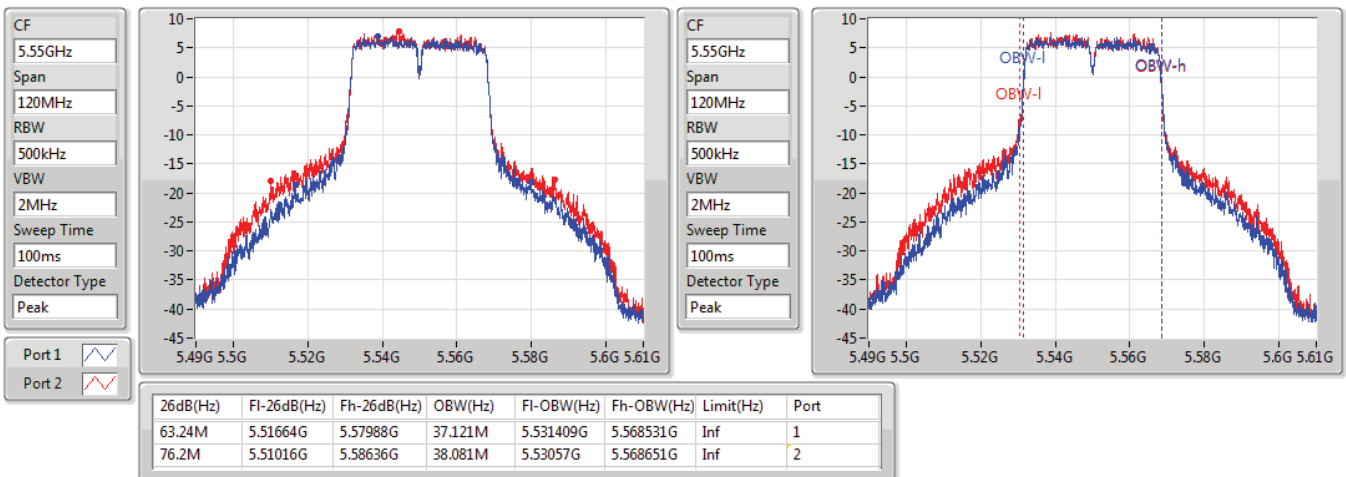


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5550MHz

15/03/2020

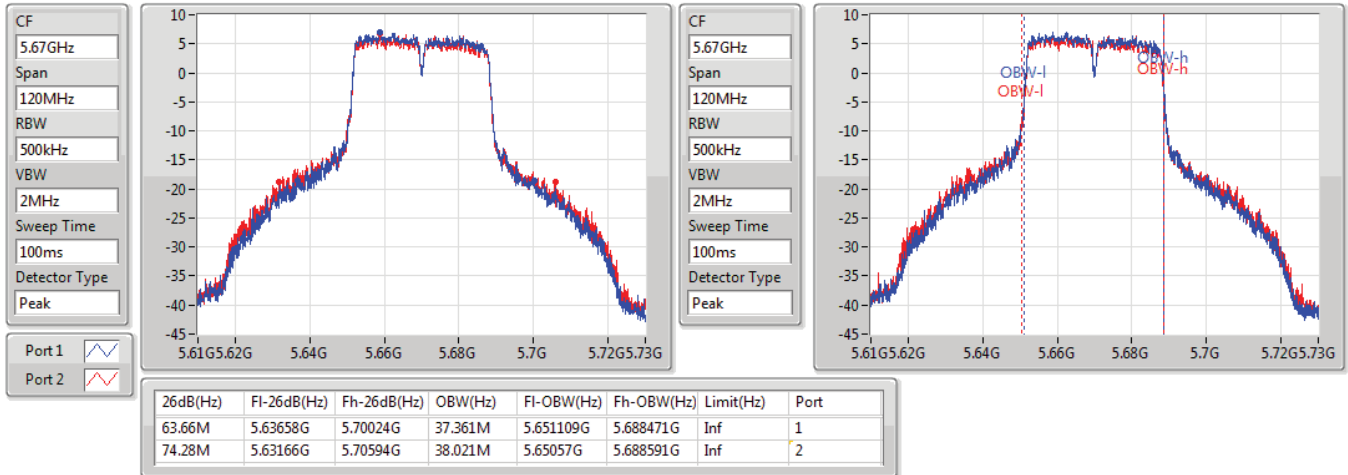


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5670MHz

15/03/2020

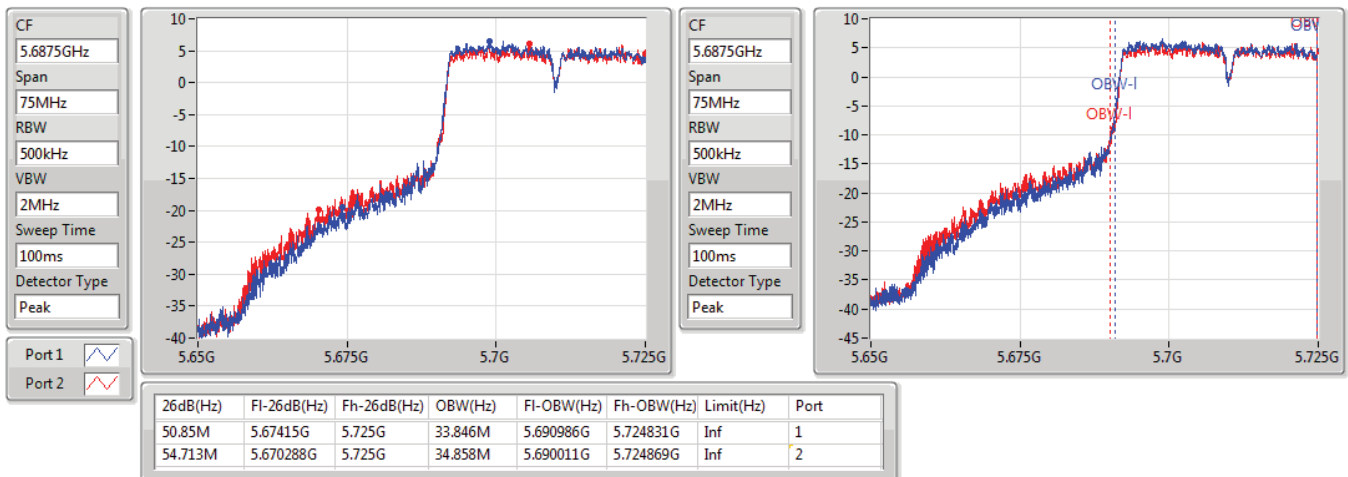


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

15/03/2020

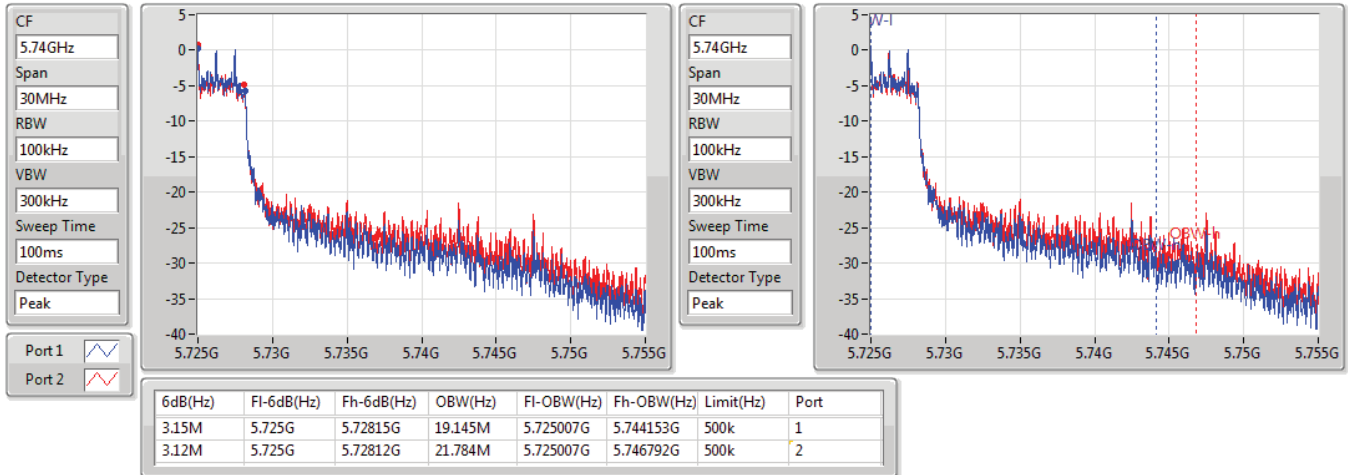


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

15/03/2020

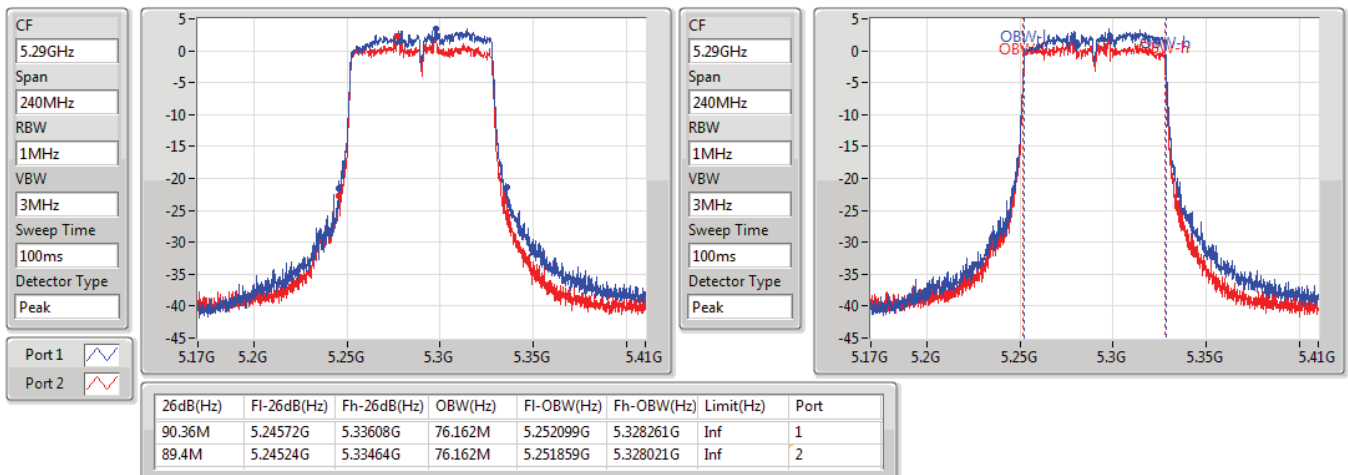


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5290MHz

15/03/2020

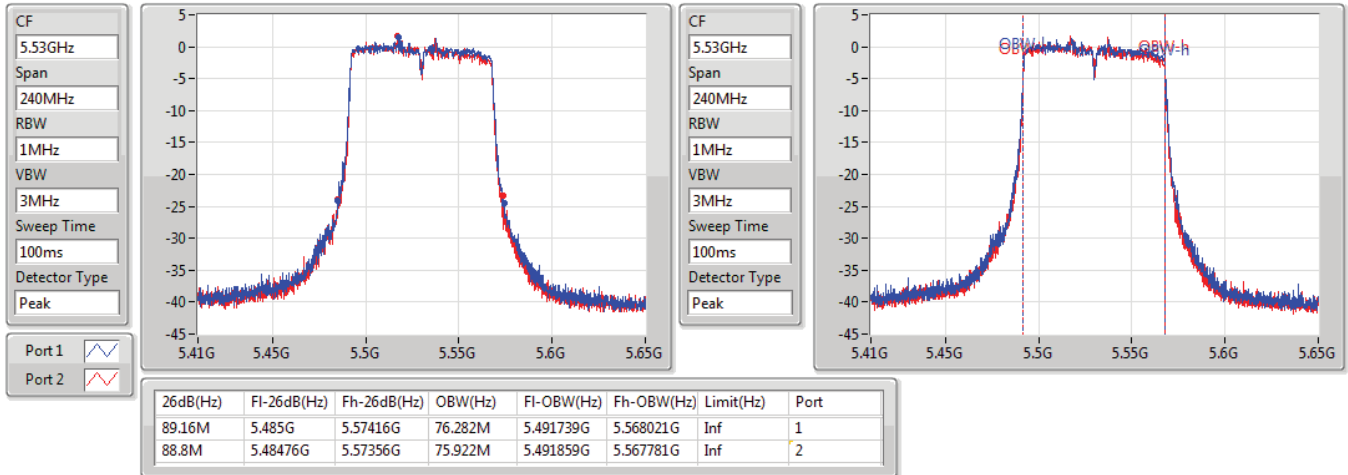


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

15/03/2020

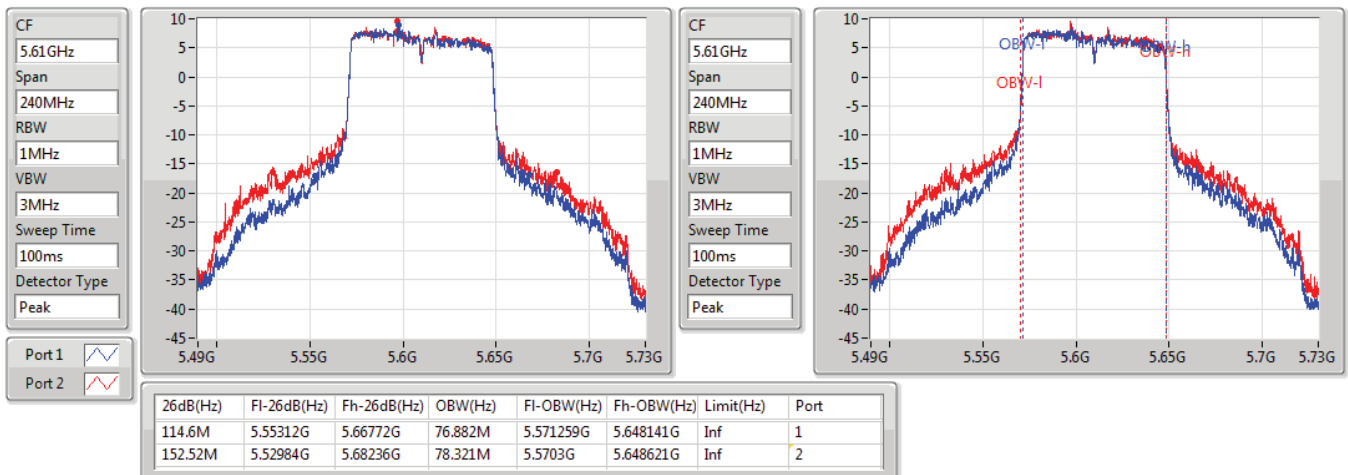


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

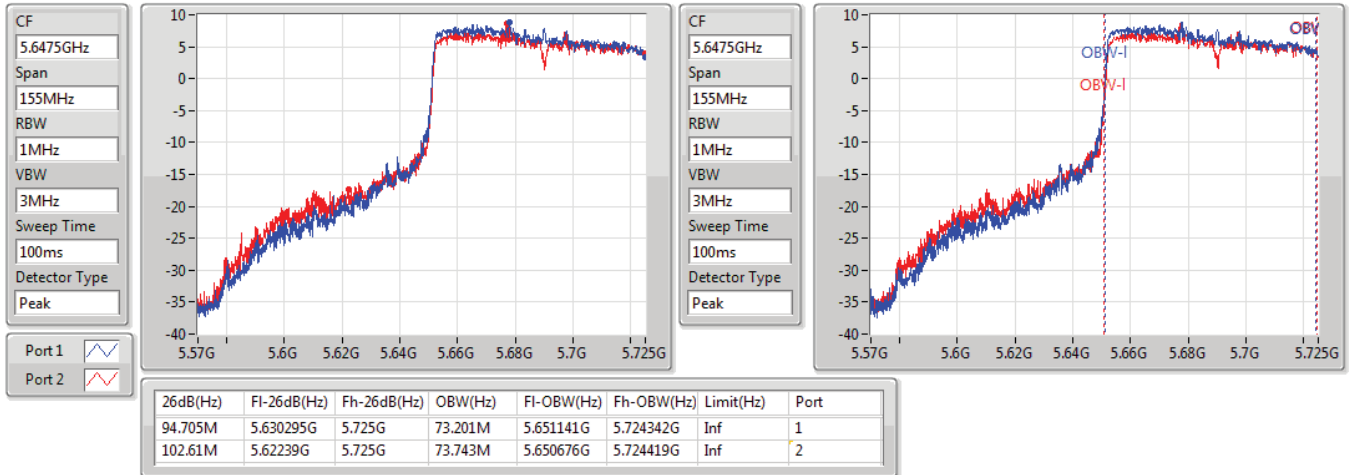
5610MHz

15/03/2020

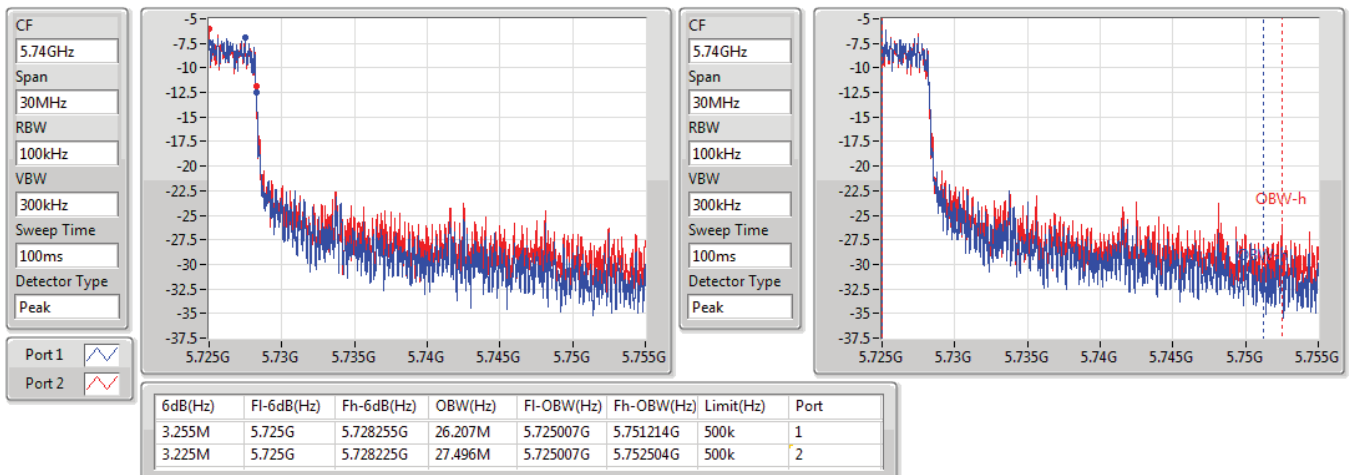


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

15/03/2020


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

15/03/2020



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	82.56M	75.442M	75M4D1D	81.72M	75.442M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	82.56M	77.361M	77M4D1D	82.32M	77.121M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.74M	16.408M	16M4D1D	19.26M	16.36M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.03M	17.607M	17M6D1D	20.58M	17.559M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.56M	36.162M	36M2D1D	39.84M	36.03M
802.11ac VHT80_Nss1,(MCS0)_4TX	82.56M	75.442M	75M4D1D	81.12M	75.322M
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	82.2M	75.562M	75M6D1D	82.08M	75.442M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.9M	18.927M	18M9D1D	21.15M	18.855M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.1M	37.757M	37M8D1D	40.8M	37.661M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.44M	77.241M	77M2D1D	81.96M	77.001M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	82.56M	77.121M	77M1D1D	81.84M	77.121M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.65M	16.384M	16M4D1D	14.589M	13.18M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.06M	17.607M	17M6D1D	14.891M	13.716M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.74M	36.126M	36M1D1D	34.965M	32.755M
802.11ac VHT80_Nss1,(MCS0)_4TX	82.32M	75.322M	75M3D1D	75.795M	72.039M
802.11ac VHT80+80_Nss1,(MCS0)_4TX	153.6M	76.762M	76M8D1D	83.04M	75.562M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.69M	18.951M	19M0D1D	15.51M	14.389M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.22M	37.757M	37M8D1D	35.37M	33.564M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.68M	77.241M	77M2D1D	75.873M	73.046M
802.11ax HEW80+80_Nss1,(MCS0)_4TX	153.36M	78.201M	78M2D1D	83.76M	77.481M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.135M	3.403M	3M40D1D	3.135M	3.358M
802.11ac VHT20_Nss1,(MCS0)_4TX	3.81M	3.958M	3M96D1D	3.795M	3.958M
802.11ac VHT40_Nss1,(MCS0)_4TX	3.18M	3.493M	3M49D1D	3.15M	3.478M
802.11ac VHT80_Nss1,(MCS0)_4TX	3.135M	3.838M	3M84D1D	3.105M	3.733M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.515M	4.573M	4M57D1D	4.095M	4.558M
802.11ax HEW40_Nss1,(MCS0)_4TX	4.095M	4.108M	4M11D1D	3.885M	4.093M
802.11ax HEW80_Nss1,(MCS0)_4TX	4.08M	4.258M	4M26D1D	3.93M	4.228M

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	19.71M	16.384M	19.32M	16.36M	19.38M	16.408M	19.44M	16.408M
5300MHz	Pass	Inf	19.59M	16.384M	19.38M	16.36M	19.74M	16.408M	19.5M	16.384M
5320MHz	Pass	Inf	19.68M	16.408M	19.44M	16.36M	19.26M	16.36M	19.47M	16.36M
5500MHz	Pass	Inf	19.59M	16.384M	19.44M	16.336M	19.47M	16.384M	19.47M	16.36M
5580MHz	Pass	Inf	19.35M	16.36M	19.23M	16.336M	19.47M	16.384M	19.47M	16.384M
5700MHz	Pass	Inf	19.38M	16.36M	19.41M	16.384M	19.65M	16.384M	19.35M	16.384M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.713M	13.18M	14.589M	13.207M	14.699M	13.207M	14.726M	13.193M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	3.403M	3.135M	3.358M	3.135M	3.403M	3.135M	3.358M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	20.88M	17.583M	20.58M	17.607M	20.7M	17.583M	20.67M	17.583M
5300MHz	Pass	Inf	20.73M	17.583M	21.03M	17.583M	20.79M	17.583M	20.67M	17.559M
5320MHz	Pass	Inf	20.73M	17.559M	21M	17.583M	20.91M	17.583M	20.82M	17.607M
5500MHz	Pass	Inf	21.06M	17.607M	20.82M	17.583M	21M	17.607M	20.46M	17.583M
5580MHz	Pass	Inf	20.64M	17.559M	20.43M	17.583M	20.76M	17.583M	20.82M	17.607M
5700MHz	Pass	Inf	20.61M	17.583M	20.94M	17.607M	20.58M	17.559M	20.79M	17.583M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.905M	13.716M	15.208M	13.771M	14.891M	13.729M	15.166M	13.771M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.81M	3.958M	3.795M	3.958M	3.795M	3.958M	3.795M	3.958M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.26M	36.078M	40.5M	36.078M	40.56M	36.03M	40.14M	36.126M
5310MHz	Pass	Inf	40.5M	36.102M	40.14M	36.102M	40.56M	36.162M	39.84M	36.102M
5510MHz	Pass	Inf	40.74M	36.078M	40.56M	36.078M	40.62M	36.078M	40.32M	36.078M
5550MHz	Pass	Inf	40.44M	36.078M	39.9M	36.078M	40.5M	36.03M	40.44M	36.078M
5670MHz	Pass	Inf	40.32M	36.03M	40.2M	36.03M	40.38M	36.078M	39.9M	36.126M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.438M	32.924M	34.965M	32.755M	35.303M	32.856M	35.066M	32.924M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	3.493M	3.15M	3.478M	3.165M	3.493M	3.18M	3.493M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.44M	75.442M	81.48M	75.322M	82.56M	75.442M	81.12M	75.322M
5530MHz	Pass	Inf	82.2M	75.322M	81.84M	75.202M	82.32M	75.202M	81.12M	75.322M
5610MHz	Pass	Inf	81.84M	75.202M	81.12M	75.202M	81.6M	75.322M	81.48M	75.322M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.795M	72.271M	75.873M	72.039M	76.183M	72.271M	75.95M	72.271M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.838M	3.135M	3.733M	3.105M	3.838M	3.12M	3.748M
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	Inf	82.56M	75.442M	81.72M	75.442M				
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	Inf					82.2M	75.562M	82.08M	75.442M
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	Inf	83.28M	75.802M	153.6M	76.762M	83.04M	75.562M	83.28M	75.562M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.21M	18.903M	21.9M	18.879M	21.78M	18.927M	21.36M	18.903M
5300MHz	Pass	Inf	21.51M	18.927M	21.15M	18.903M	21.63M	18.903M	21.18M	18.879M
5320MHz	Pass	Inf	21.33M	18.855M	21.45M	18.927M	21.15M	18.879M	21.21M	18.903M
5500MHz	Pass	Inf	21.6M	18.879M	21.45M	18.927M	21.45M	18.903M	21.18M	18.927M



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)
5580MHz	Pass	Inf	21.3M	18.879M	21.33M	18.831M	21.45M	18.855M	21.21M	18.927M
5700MHz	Pass	Inf	21.21M	18.903M	20.94M	18.855M	21.69M	18.903M	21.24M	18.951M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.51M	14.417M	15.579M	14.389M	15.593M	14.403M	16.088M	14.43M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.485M	4.558M	4.095M	4.573M	4.485M	4.558M	4.515M	4.558M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.86M	37.661M	40.8M	37.709M	40.8M	37.661M	40.8M	37.757M
5310MHz	Pass	Inf	41.04M	37.709M	40.92M	37.757M	41.1M	37.757M	41.1M	37.661M
5510MHz	Pass	Inf	40.86M	37.709M	41.04M	37.757M	41.22M	37.661M	40.68M	37.661M
5550MHz	Pass	Inf	41.1M	37.613M	40.86M	37.661M	40.92M	37.661M	41.16M	37.709M
5670MHz	Pass	Inf	40.92M	37.757M	40.74M	37.613M	40.74M	37.661M	40.86M	37.661M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.674M	33.699M	35.37M	33.564M	35.606M	33.666M	35.708M	33.666M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.005M	4.108M	3.885M	4.108M	3.96M	4.093M	4.095M	4.093M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.32M	77.001M	81.96M	77.001M	82.2M	77.241M	82.44M	77.121M
5530MHz	Pass	Inf	82.08M	77.121M	82.32M	77.001M	82.44M	77.001M	81.96M	77.121M
5610MHz	Pass	Inf	82.44M	77.001M	81.96M	76.882M	82.68M	77.241M	82.32M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.873M	73.046M	76.105M	73.046M	75.95M	73.046M	76.415M	73.123M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.08M	4.258M	4.05M	4.228M	3.93M	4.243M	3.945M	4.243M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	Inf	82.56M	77.121M	82.32M	77.361M				
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	Inf					82.56M	77.121M	81.84M	77.121M
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	Inf	84.48M	77.481M	153.36M	78.201M	84.48M	77.481M	83.76M	77.481M

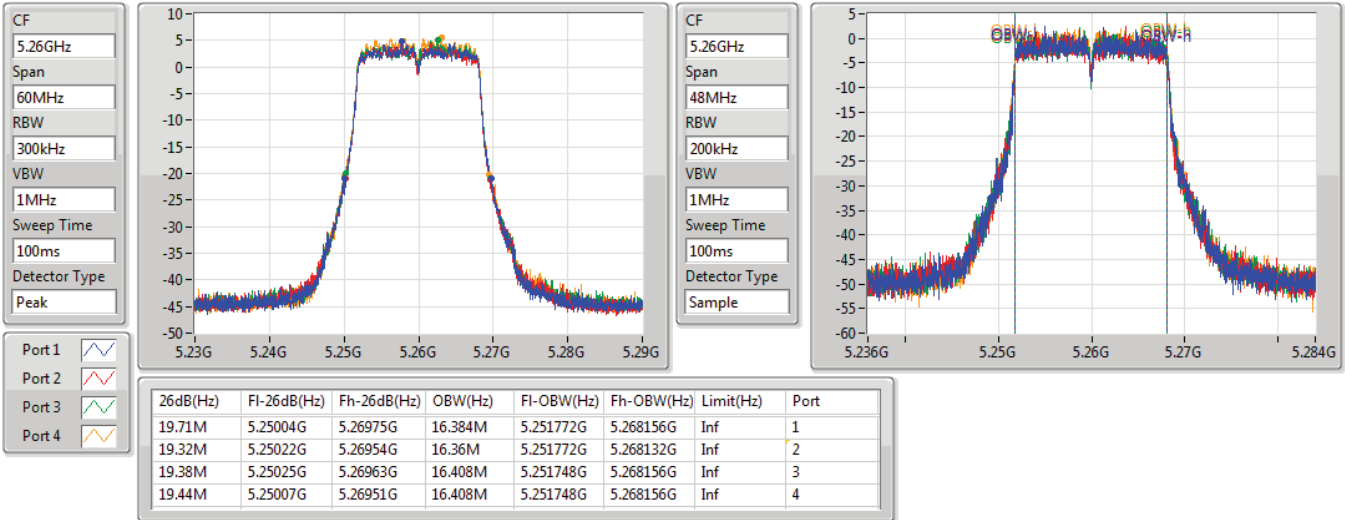
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band**Port X-OBW** = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

31/03/2020

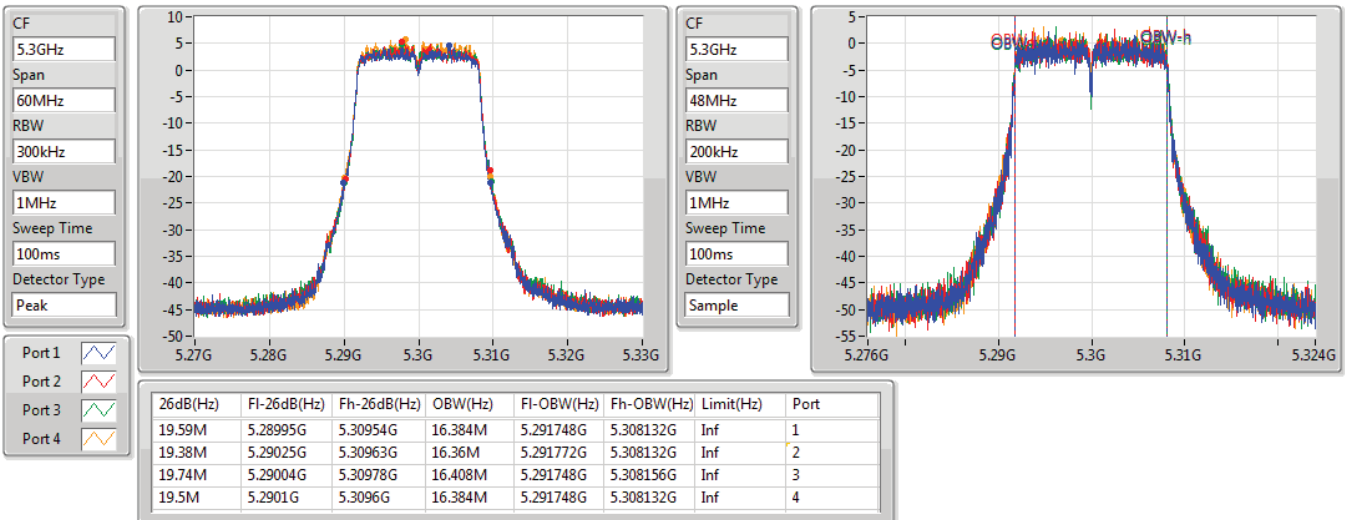


802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

31/03/2020

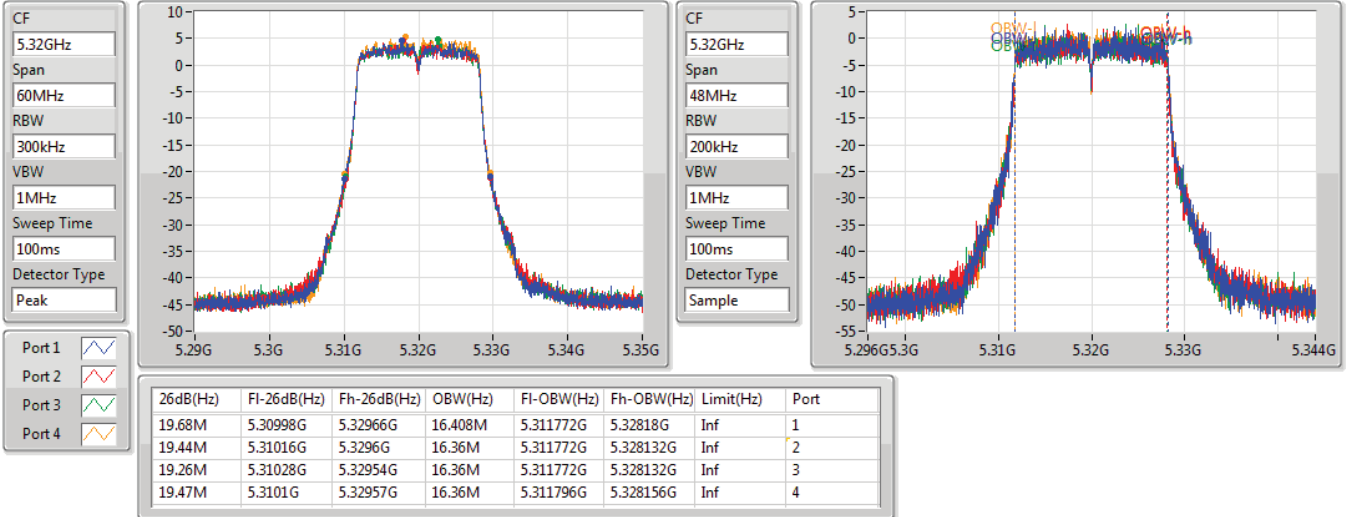


802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

31/03/2020

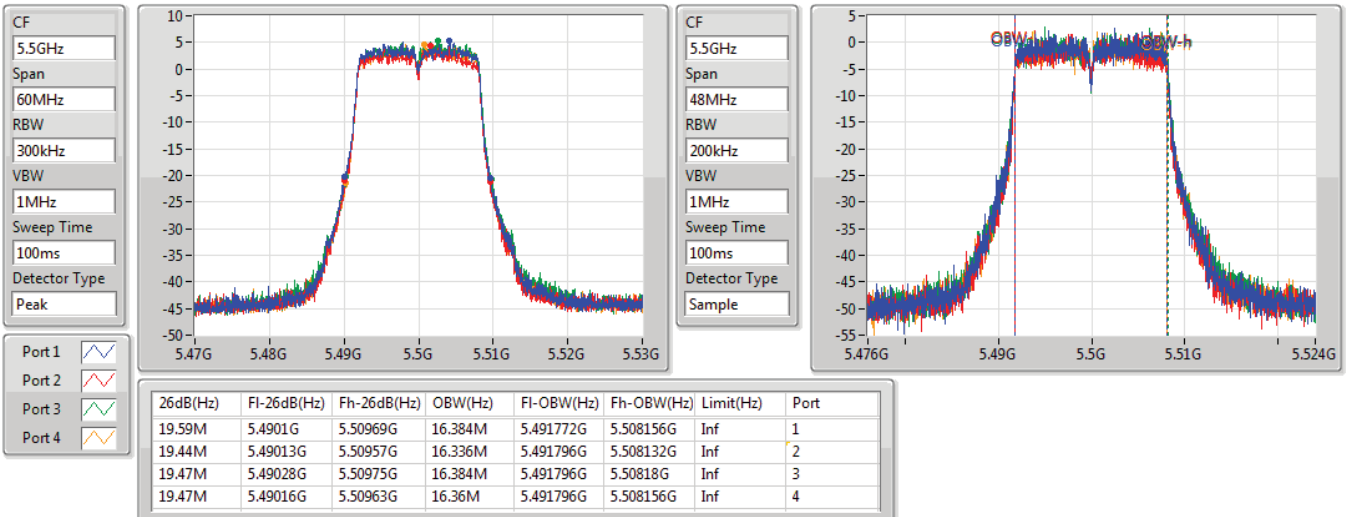


802.11a_Nss1,(6Mbps)_4TX

EBW

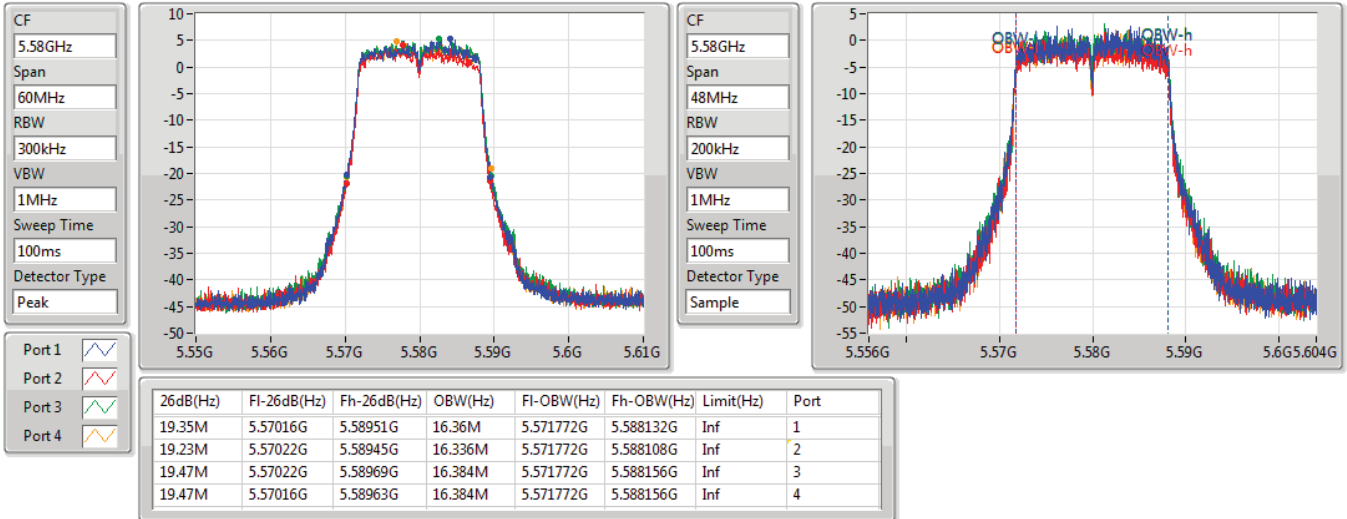
5500MHz

31/03/2020

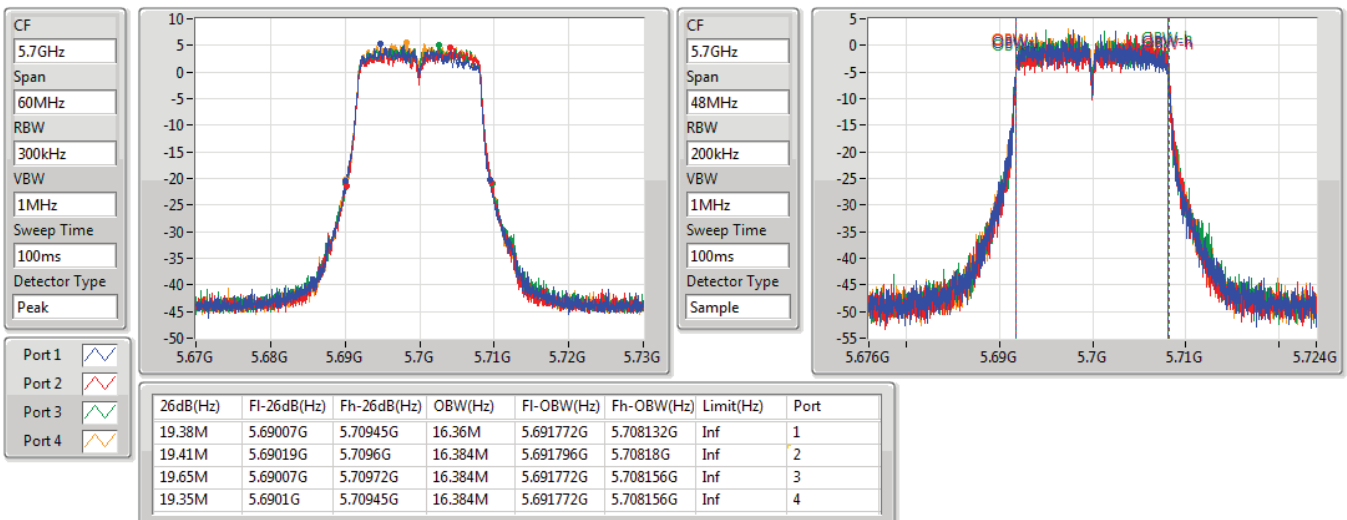


802.11a_Nss1,(6Mbps)_4TX
EBW
5580MHz

31/03/2020

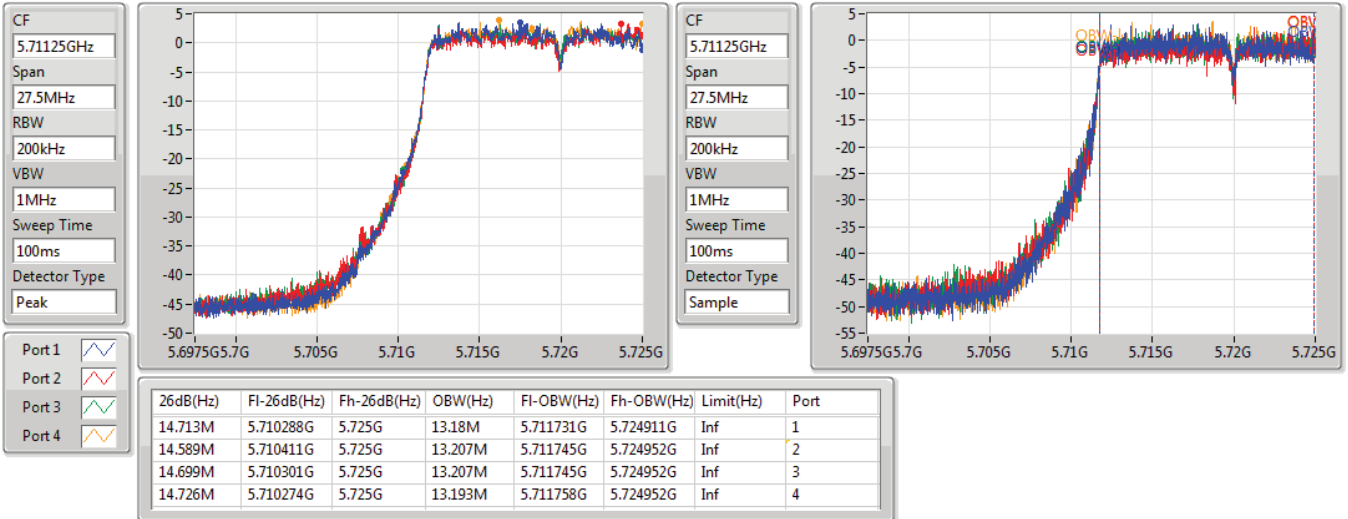

802.11a_Nss1,(6Mbps)_4TX
EBW
5700MHz

31/03/2020

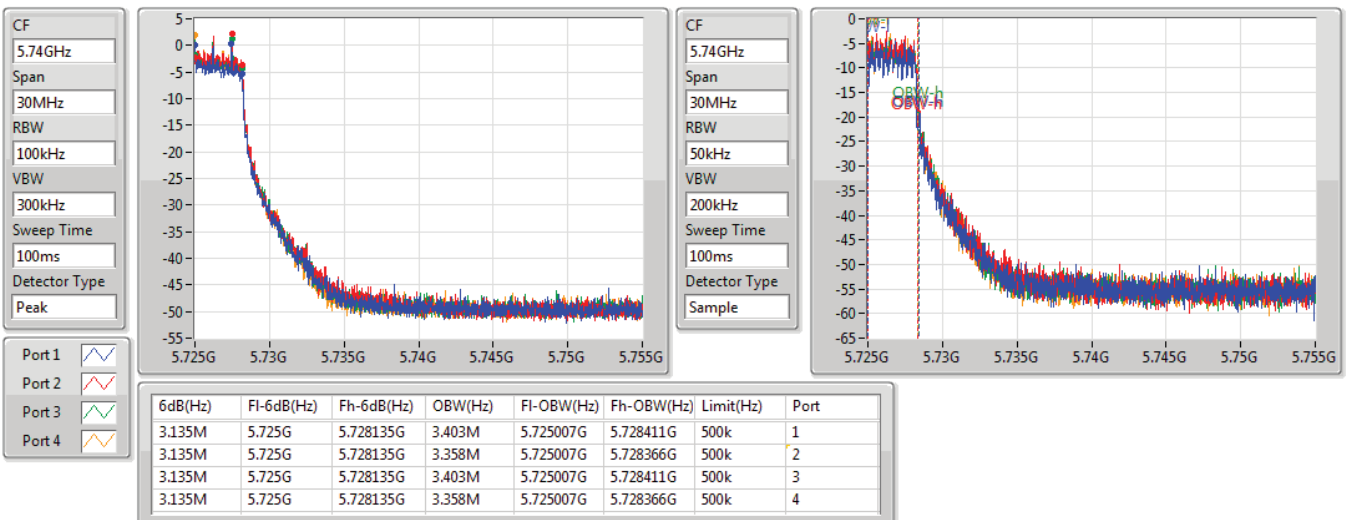


802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

31/03/2020

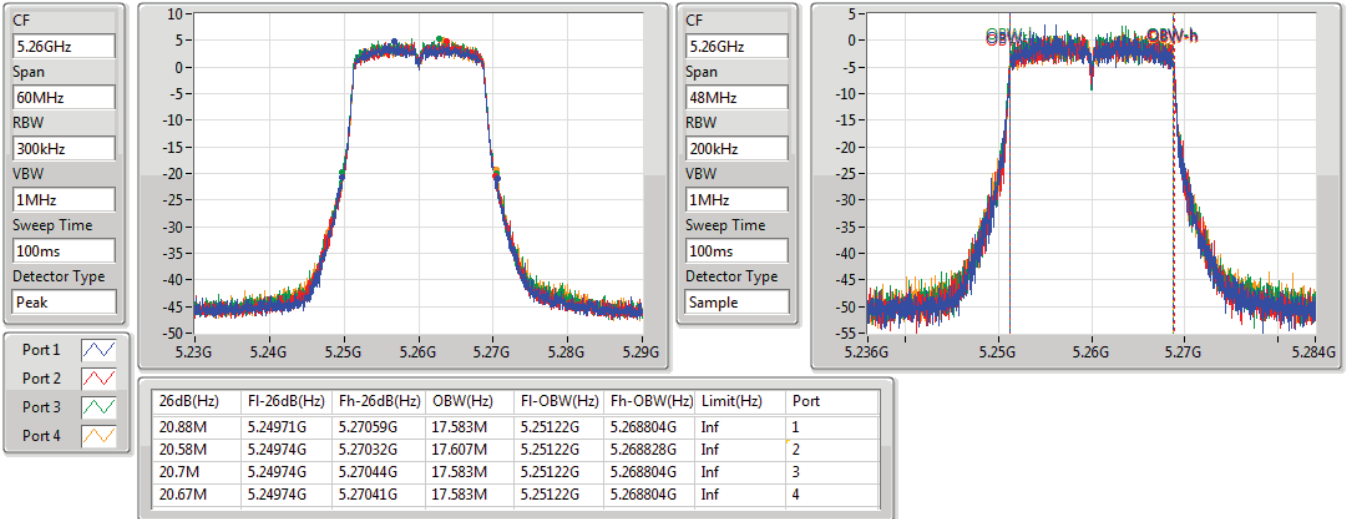

802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

31/03/2020

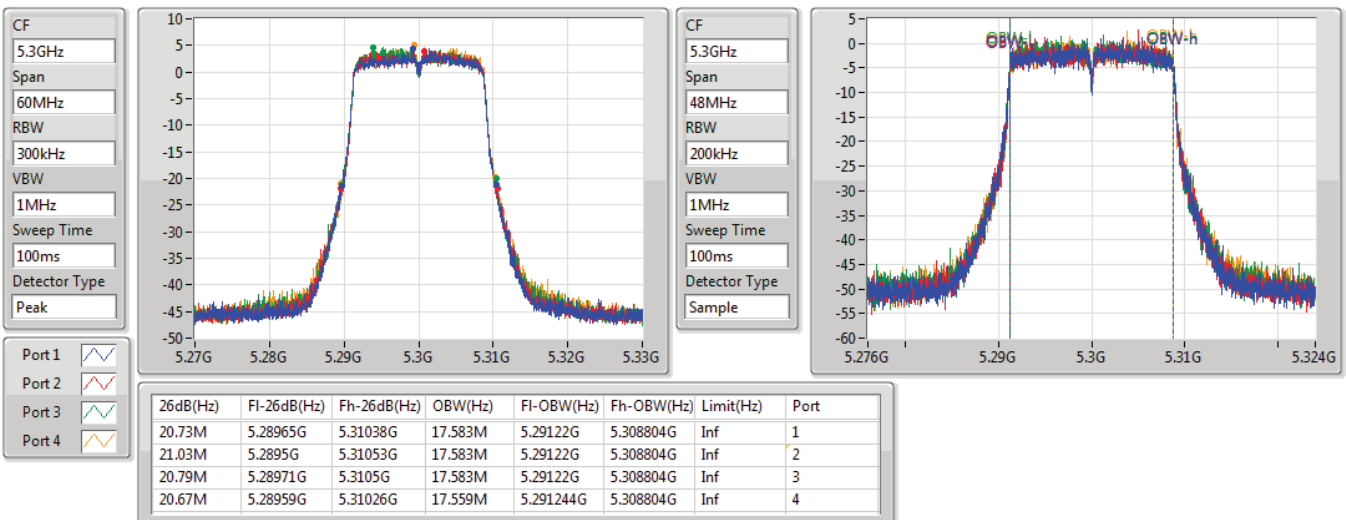


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5260MHz

31/03/2020


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5300MHz

31/03/2020

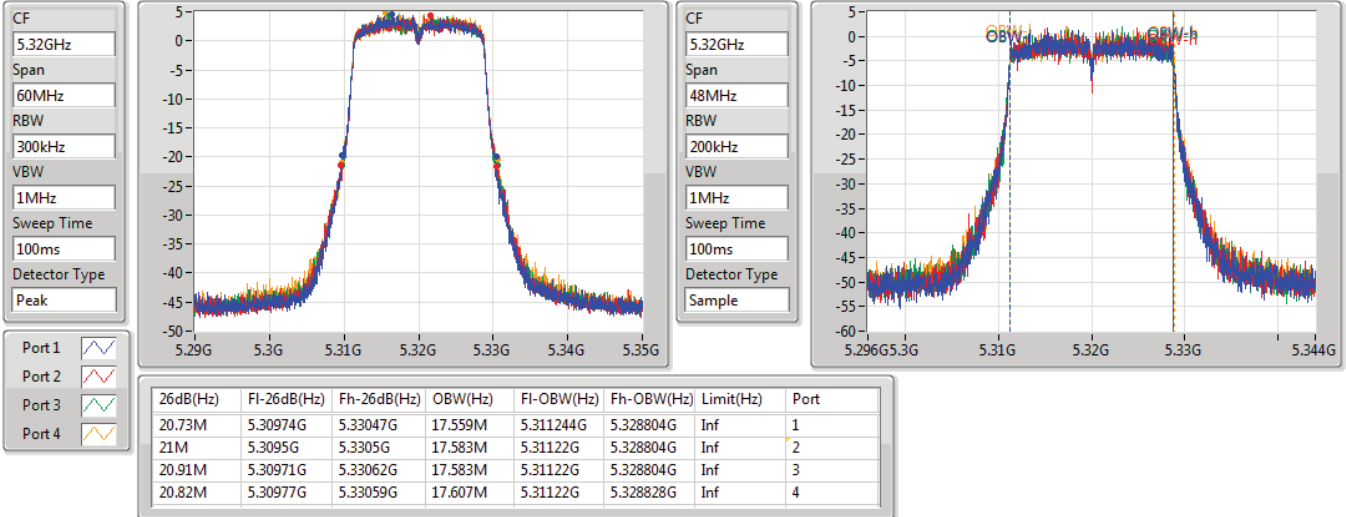


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5320MHz

31/03/2020

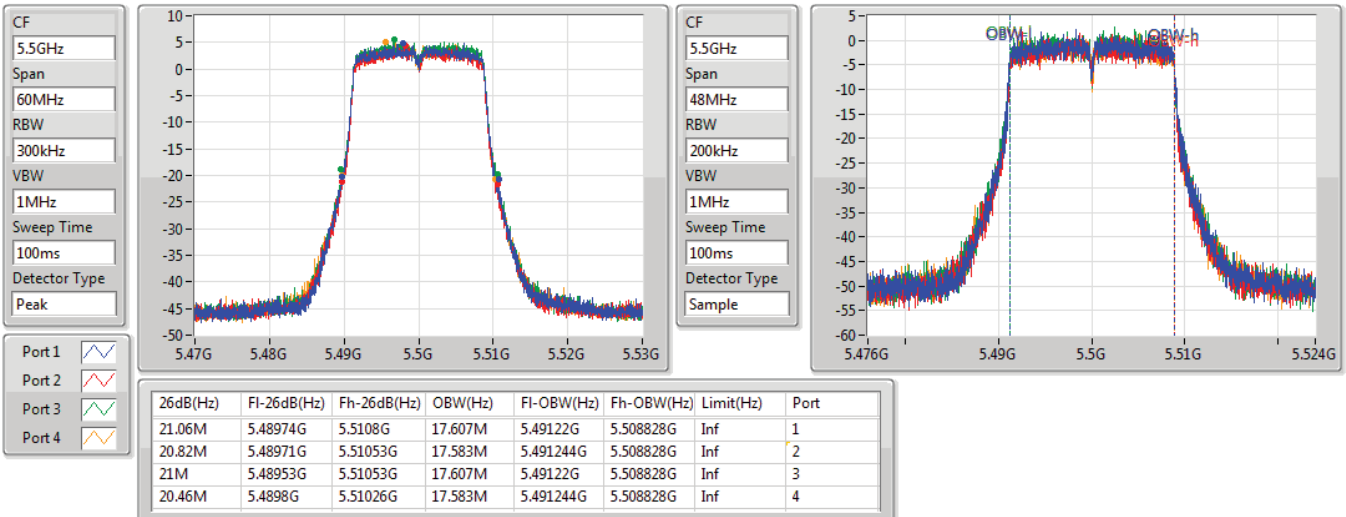


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5500MHz

31/03/2020

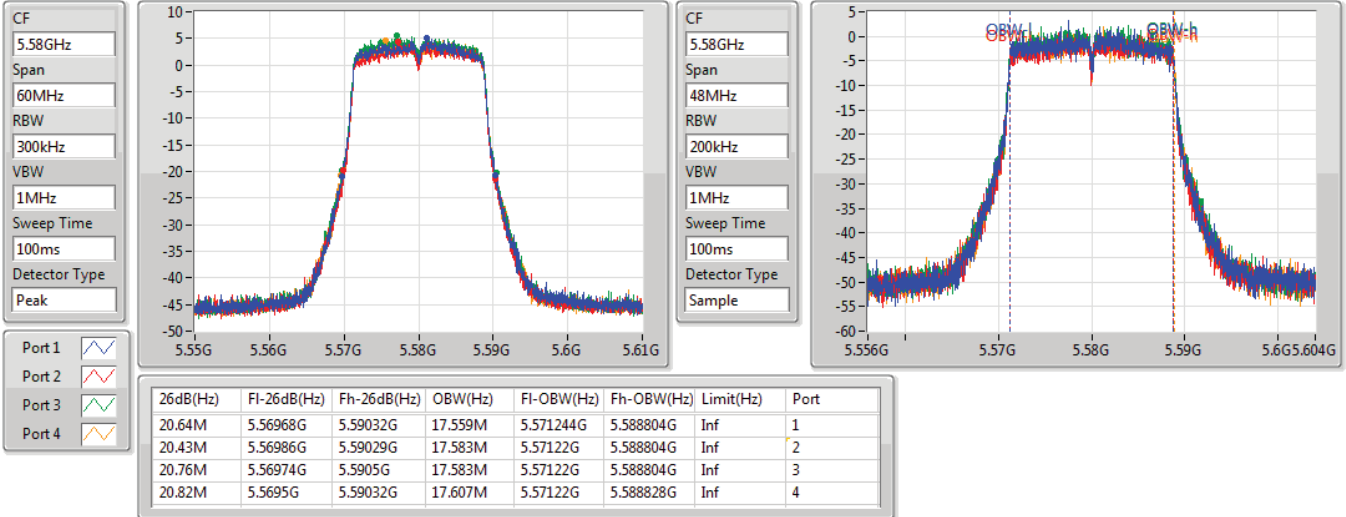


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5580MHz

31/03/2020

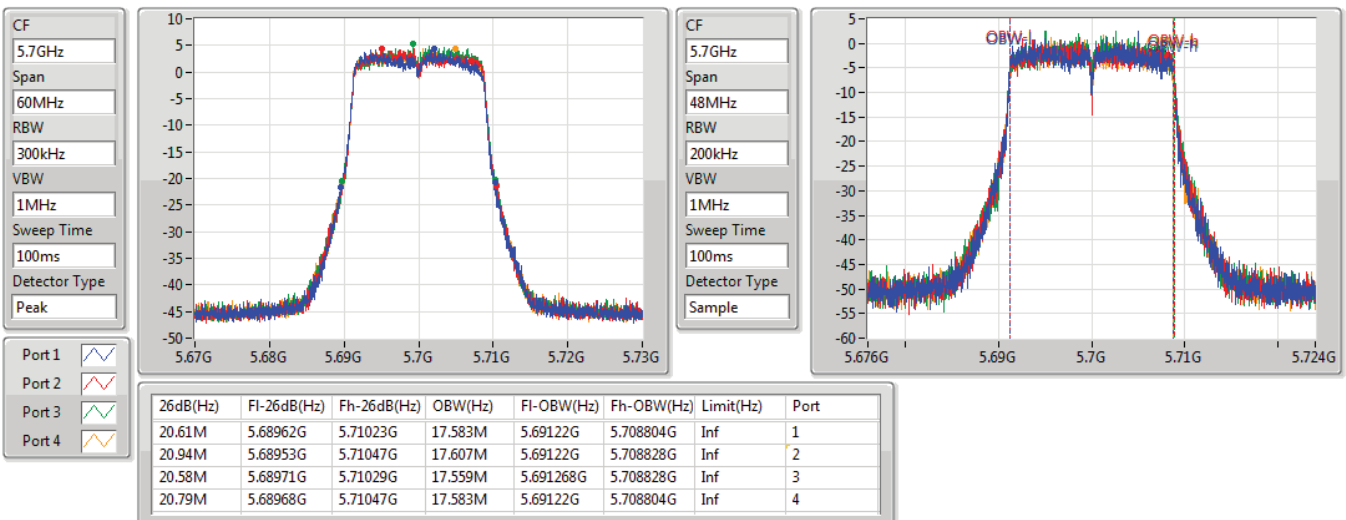


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

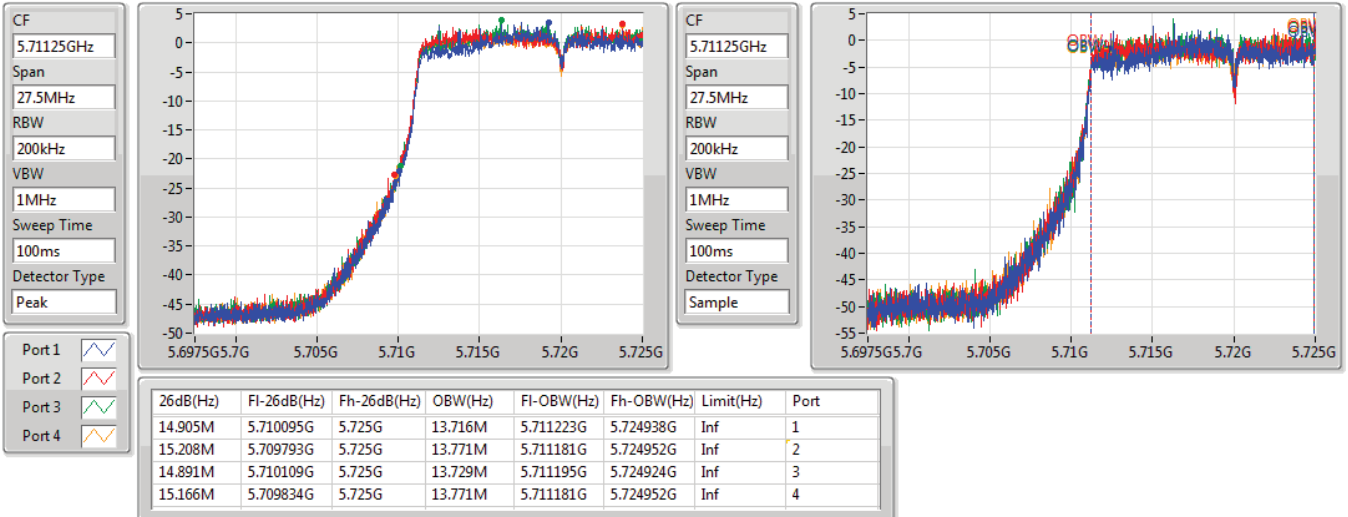
5700MHz

31/03/2020

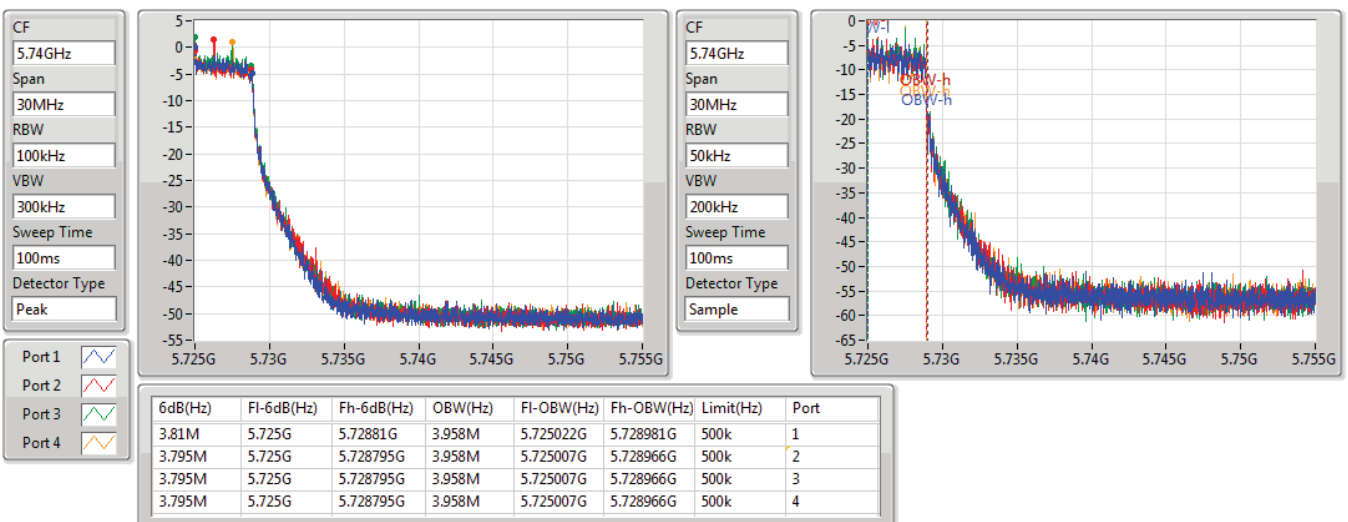


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

31/03/2020


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

31/03/2020

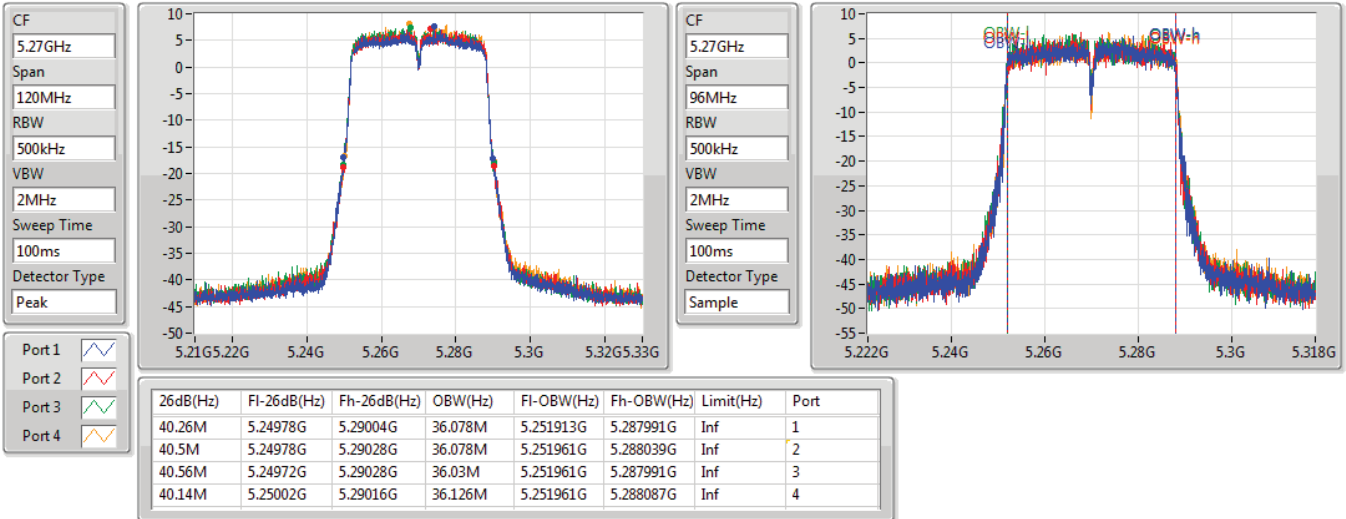


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5270MHz

31/03/2020

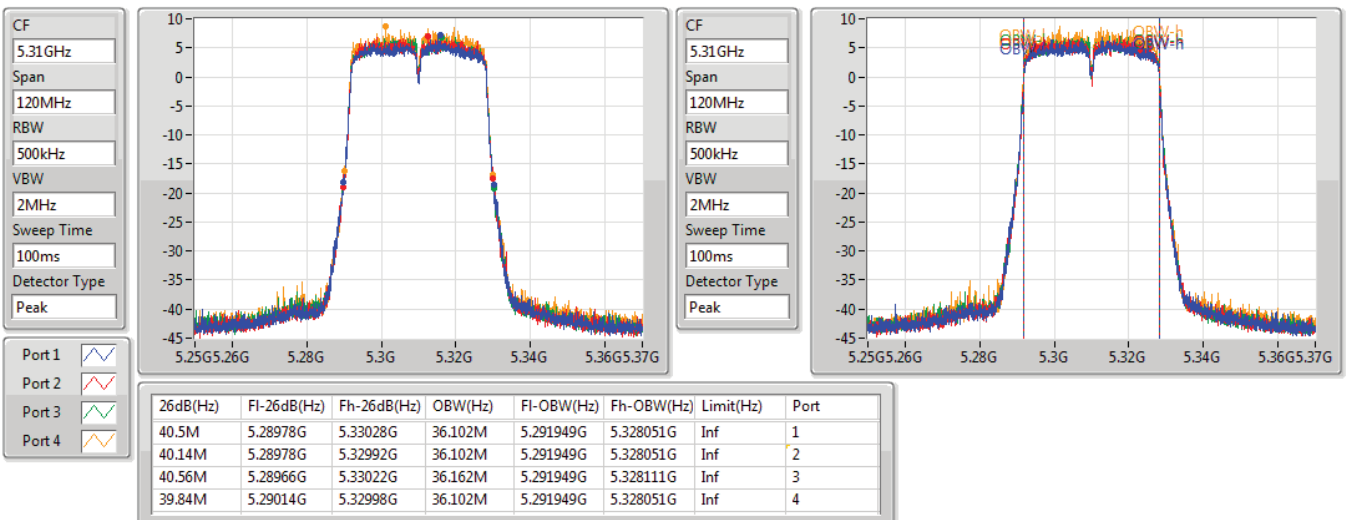


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5310MHz

10/03/2020

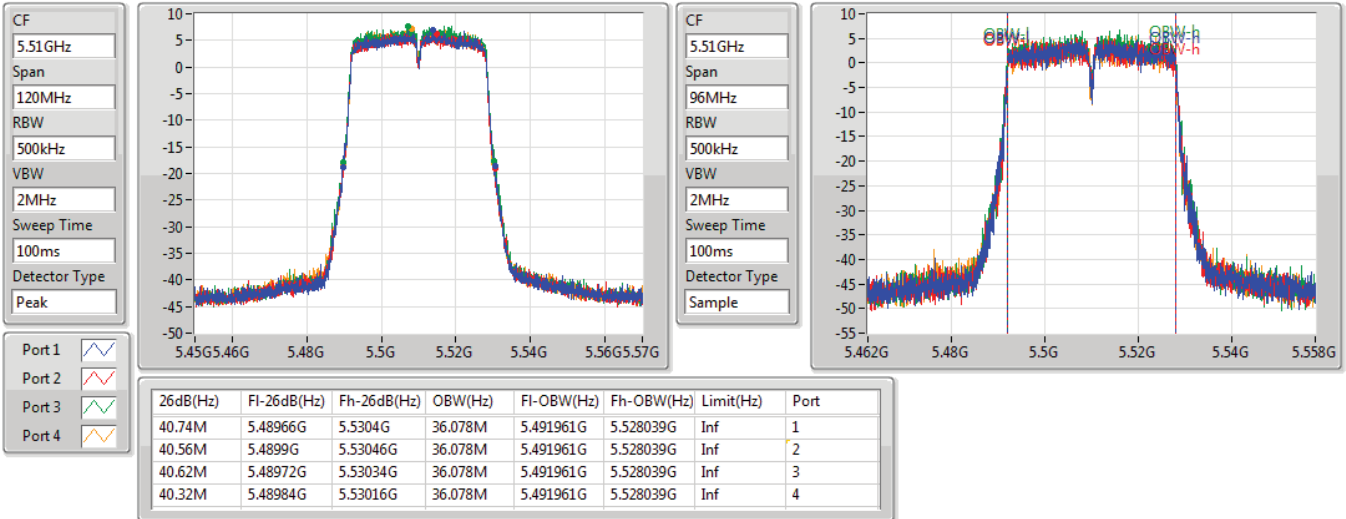


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5510MHz

31/03/2020

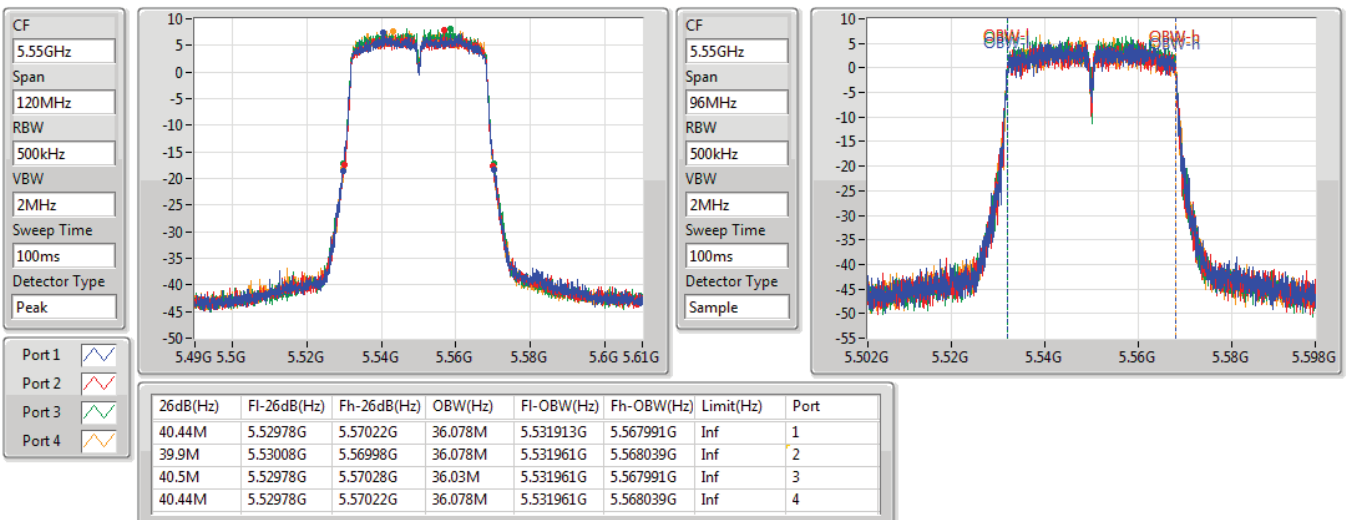


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

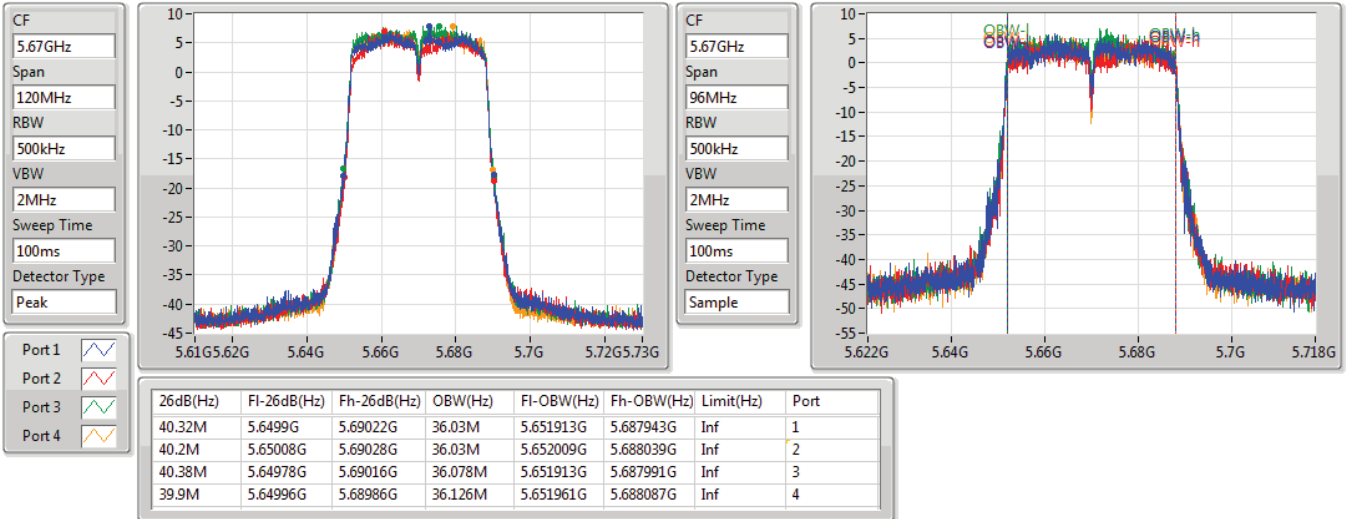
5550MHz

31/03/2020

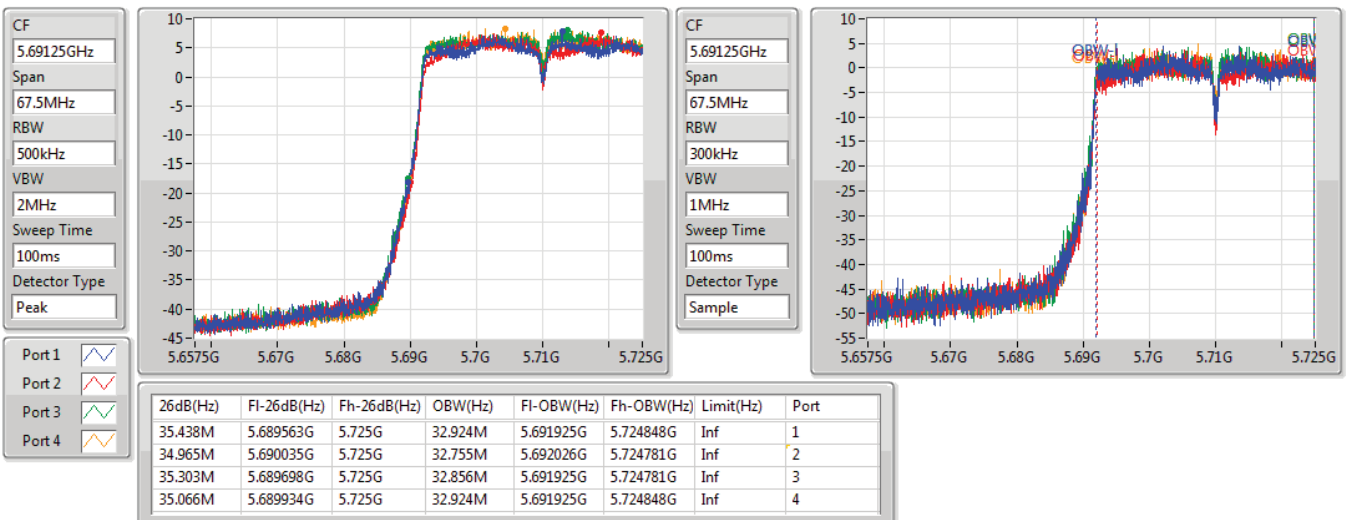


802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5670MHz

31/03/2020

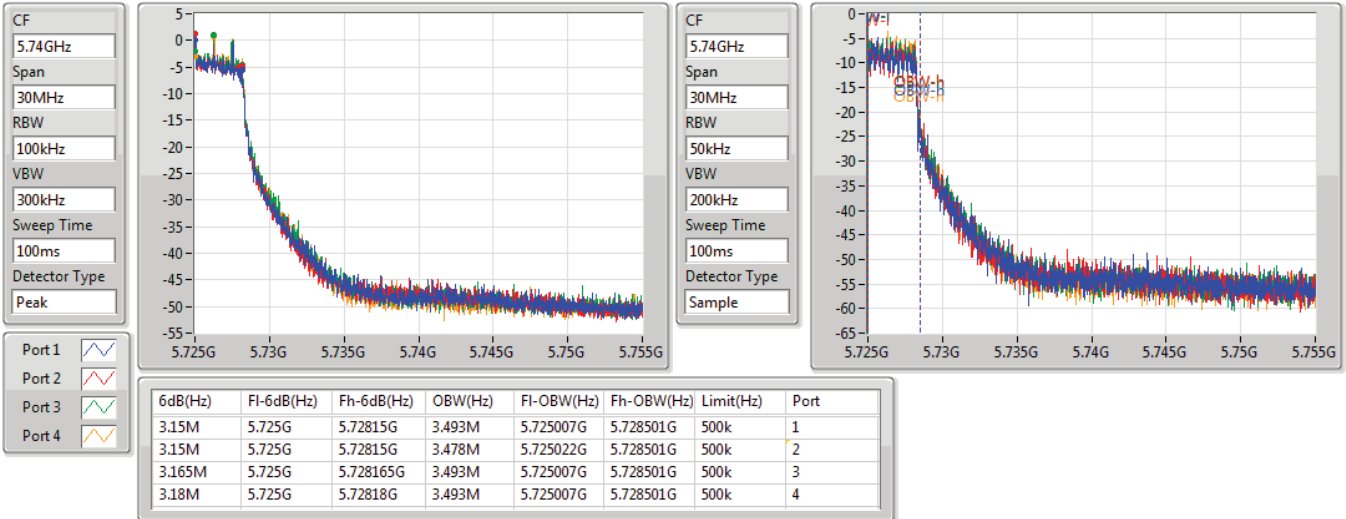

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

31/03/2020

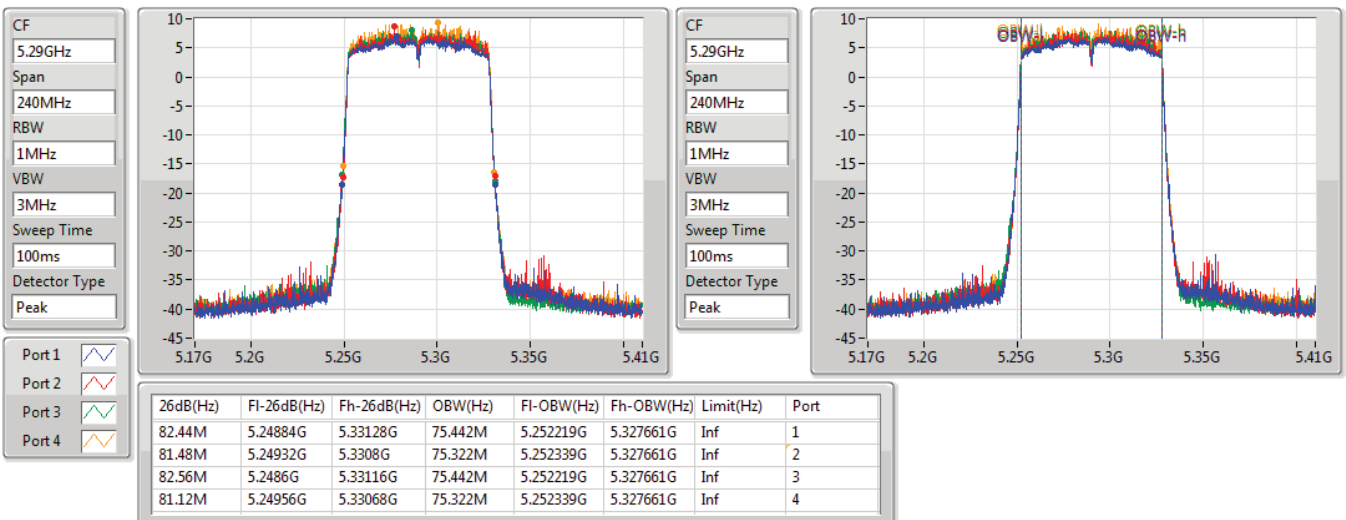


802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

31/03/2020


802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5290MHz

10/03/2020

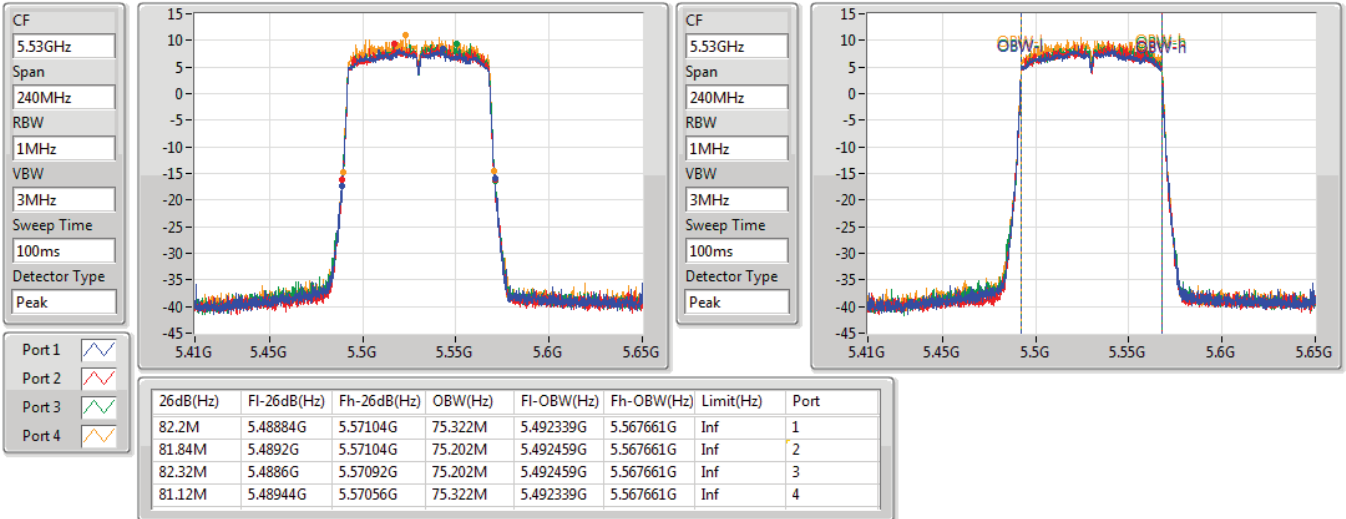


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5530MHz

10/03/2020

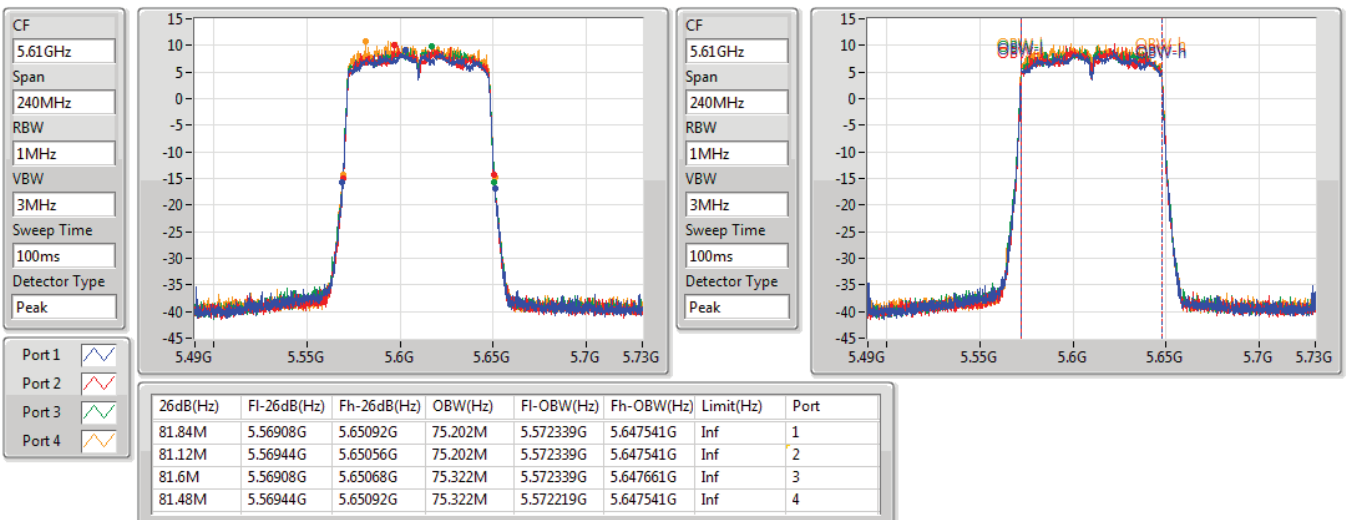


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5610MHz

10/03/2020

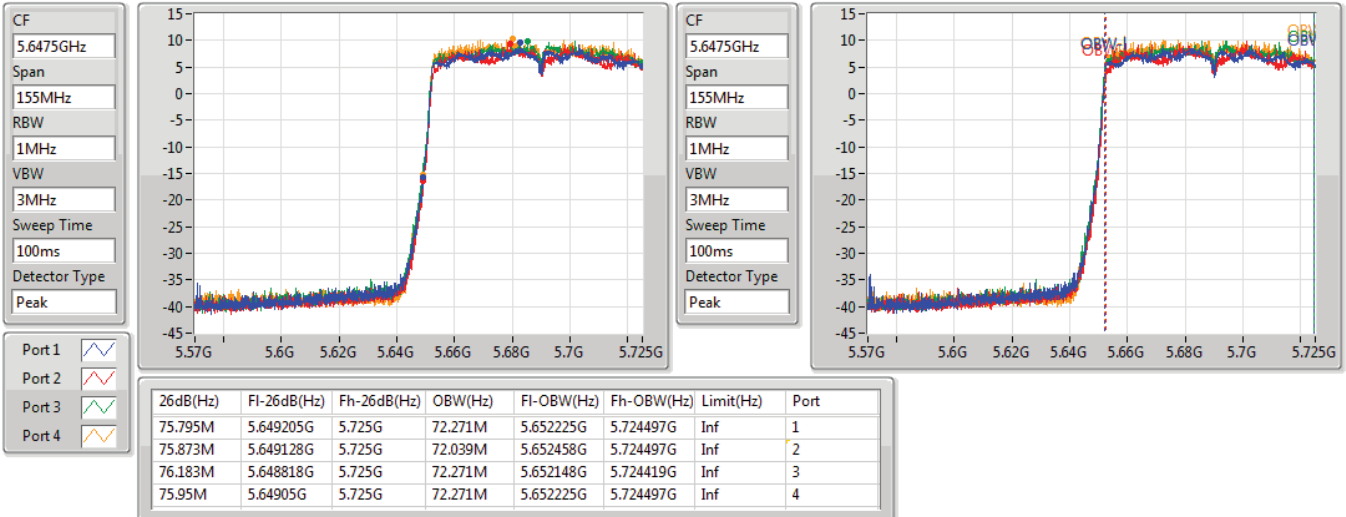


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

10/03/2020

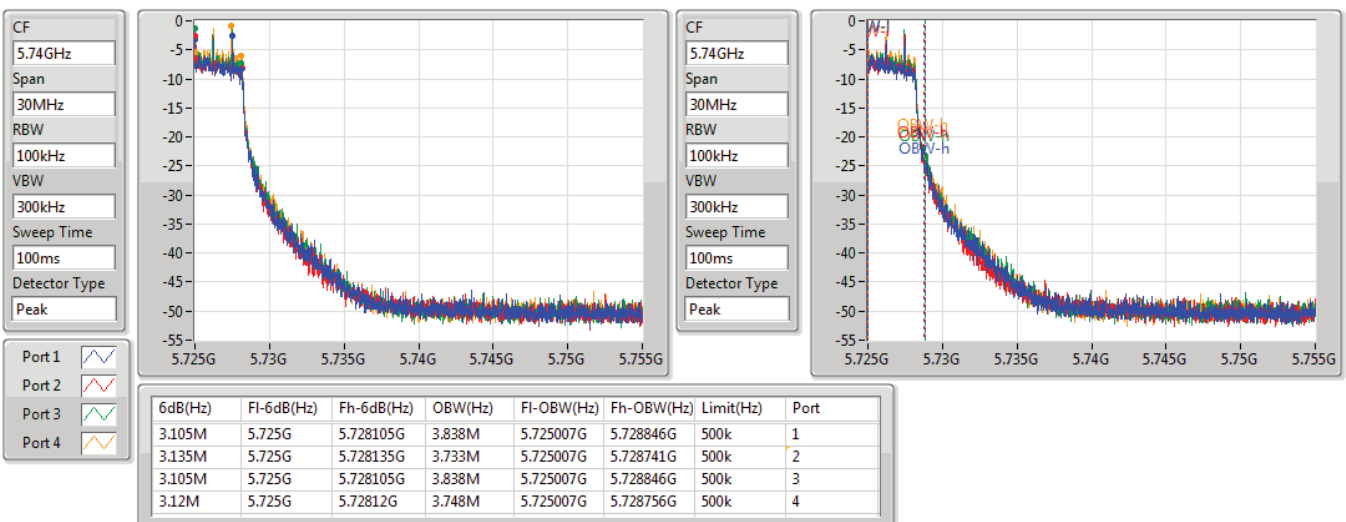


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

10/03/2020

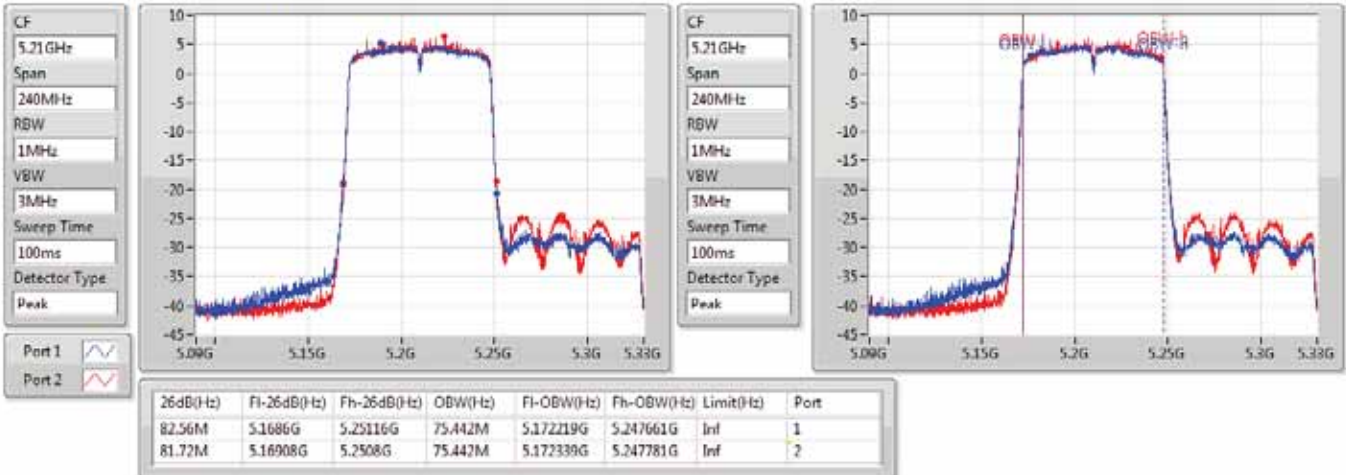


802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)

EBW

#5210MHz,5290MHz

18/03/2020

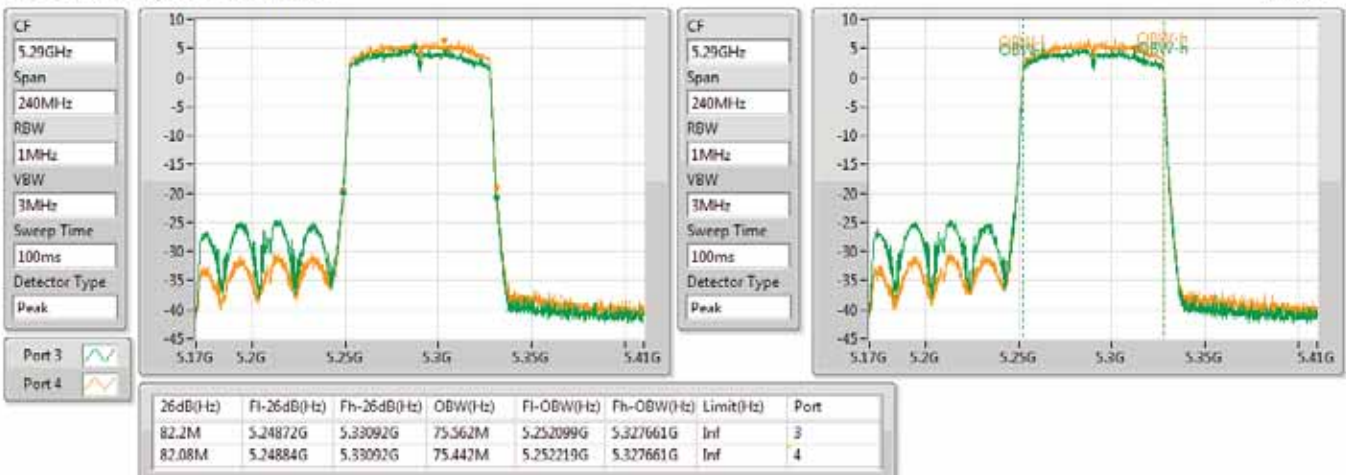


802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)

EBW

5210MHz,#5290MHz

18/03/2020

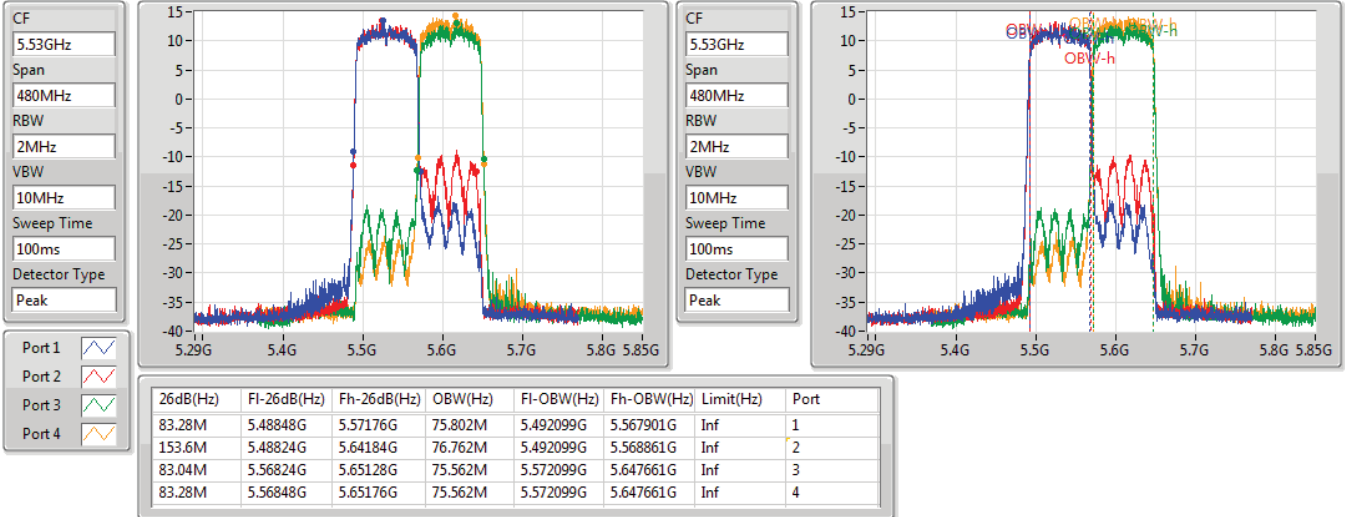


802.11ac VHT80+80_Nss1,(MCS0)_4TX

EBW

#5530MHz,#5610MHz

18/03/2020

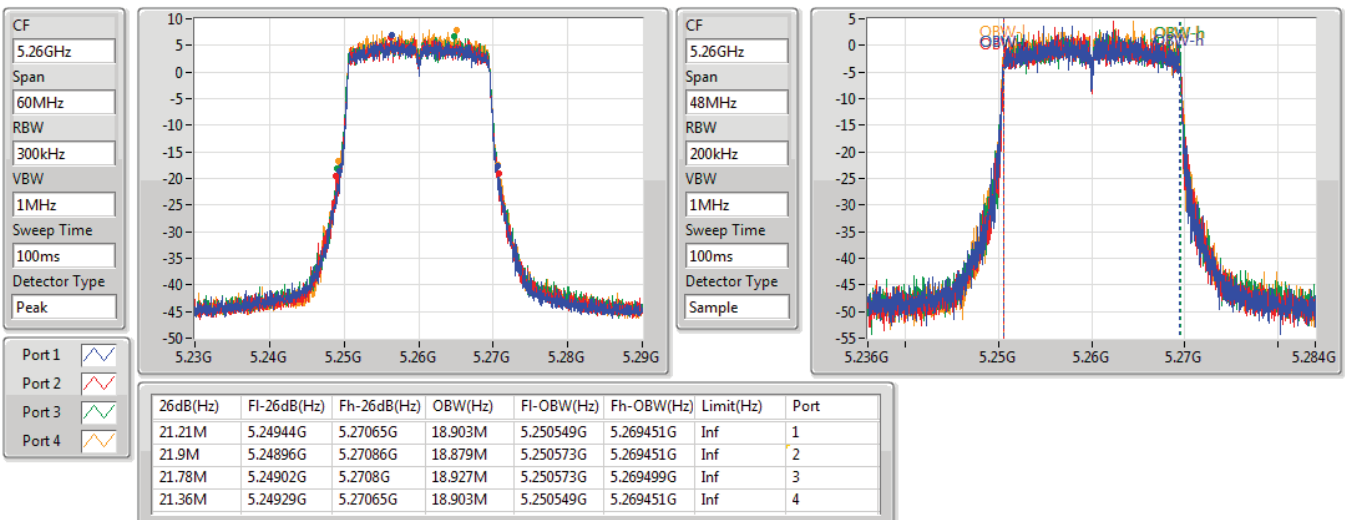


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

31/03/2020

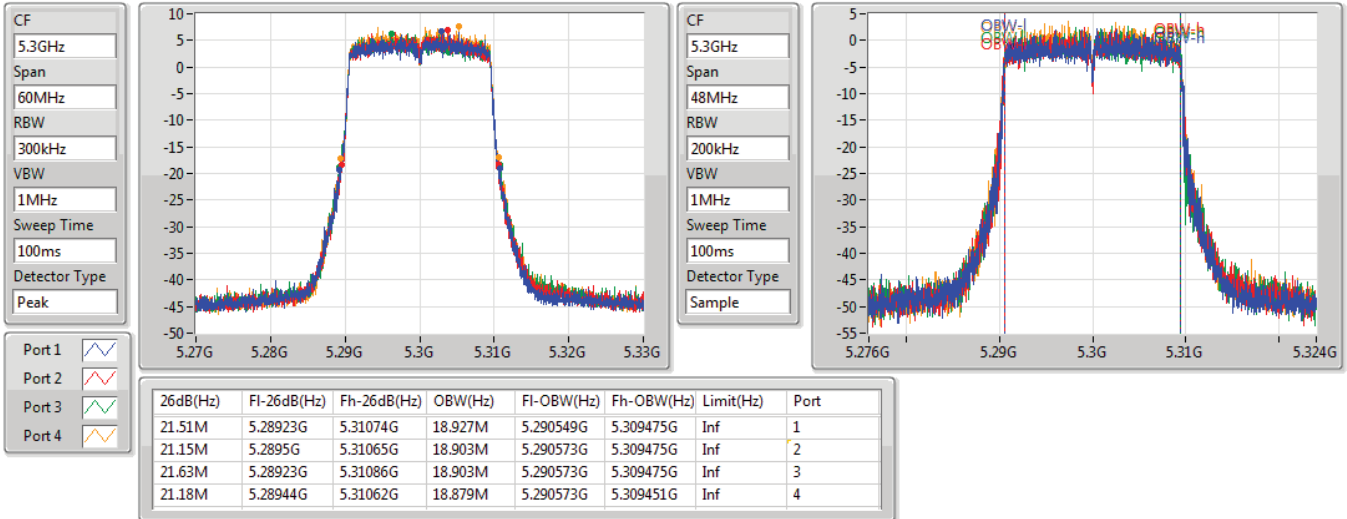


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

31/03/2020

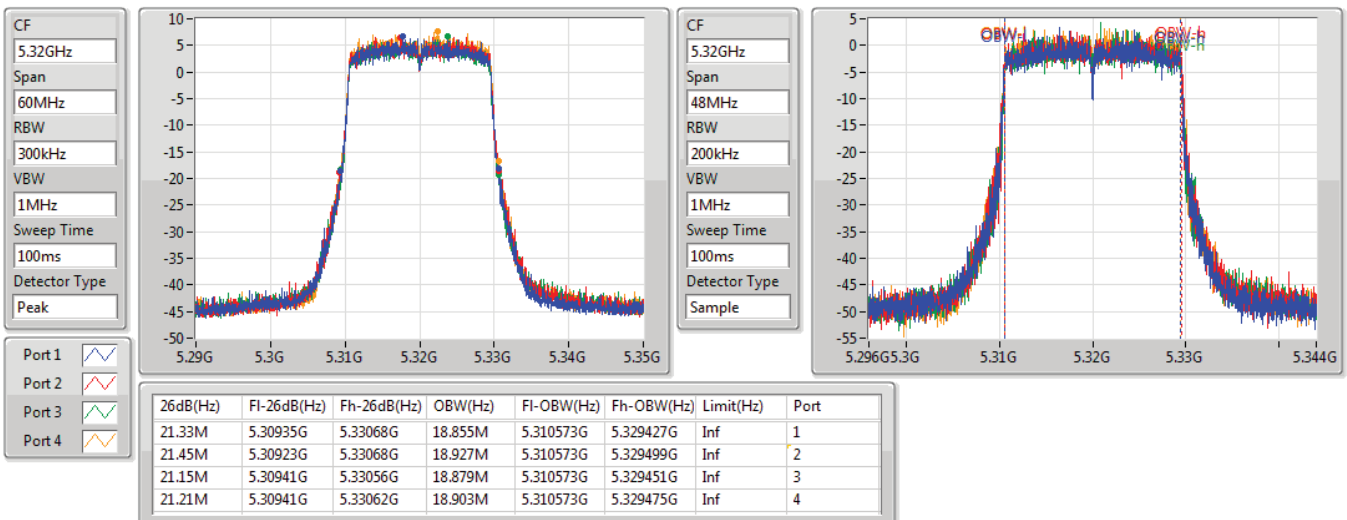


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

31/03/2020

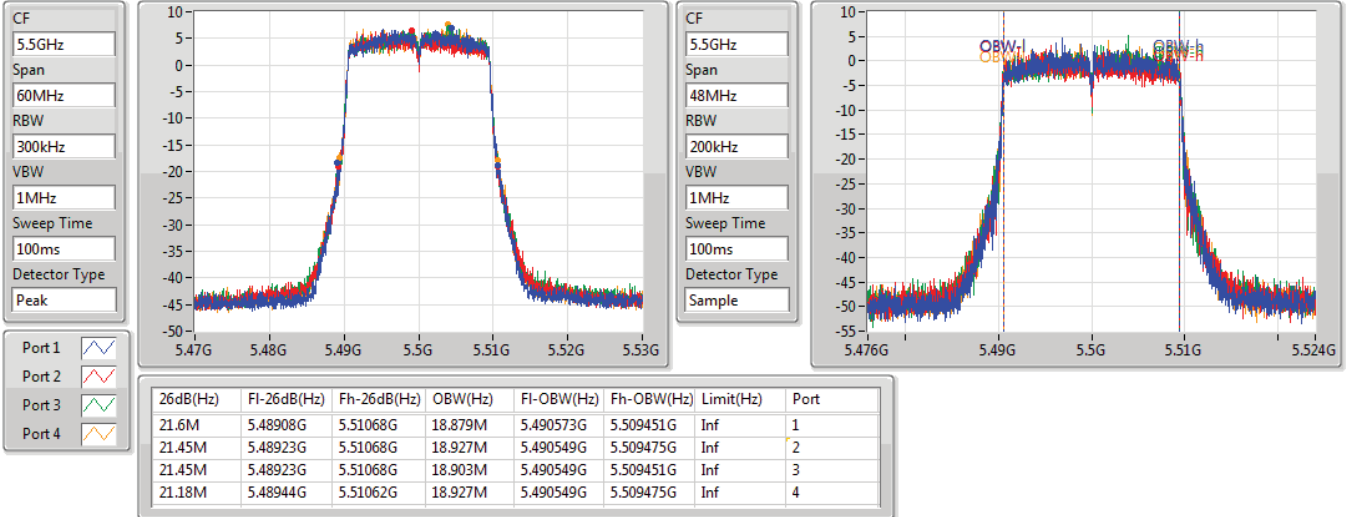


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

31/03/2020

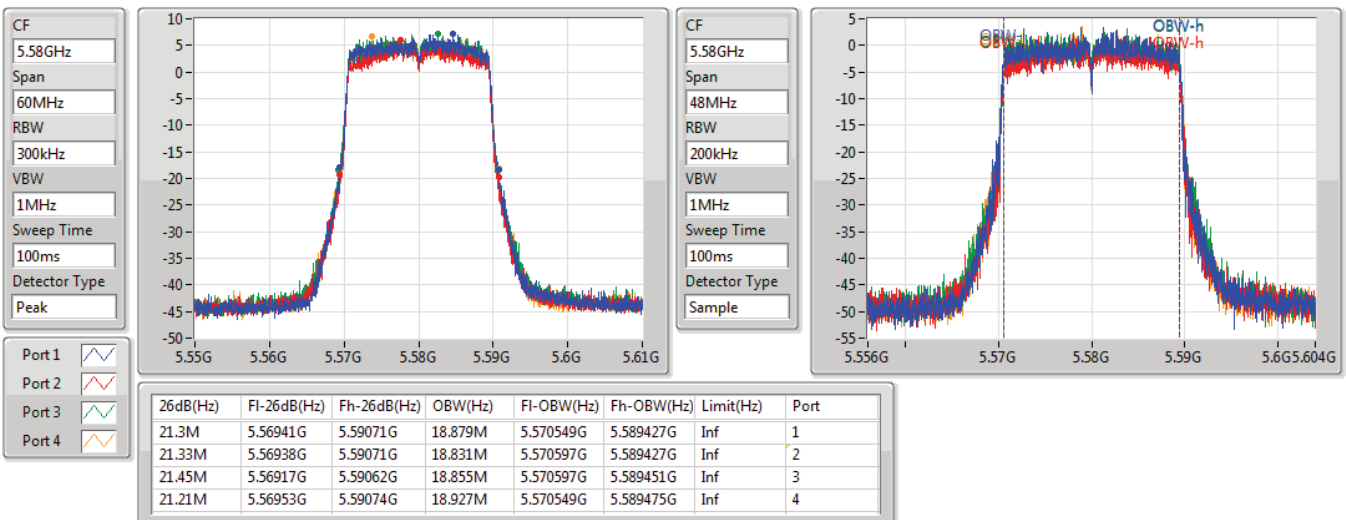


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

31/03/2020

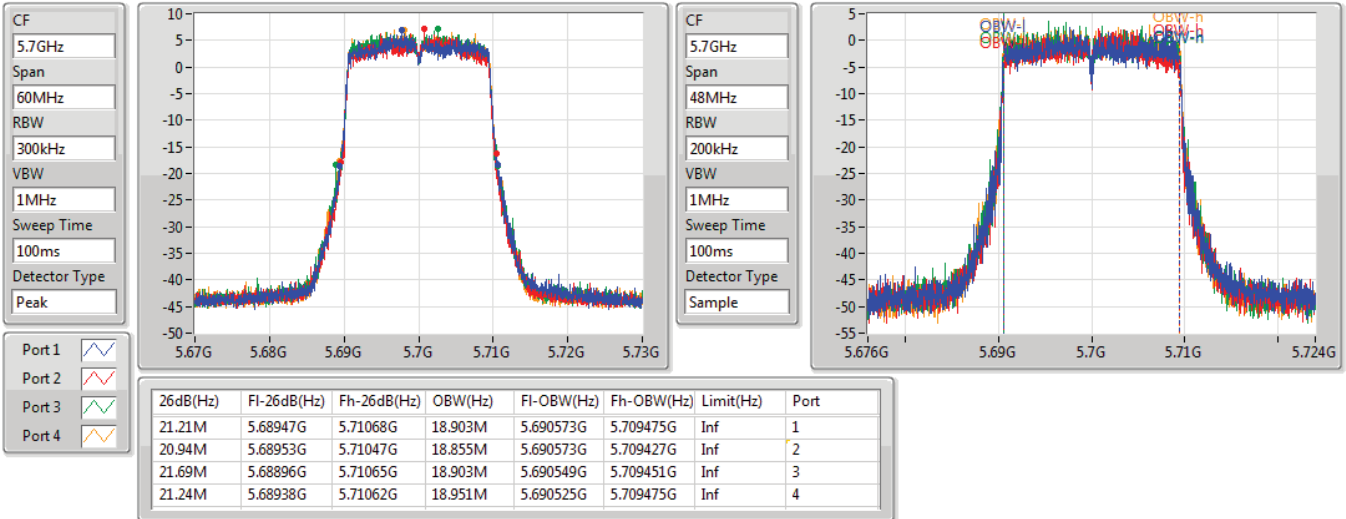


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

31/03/2020

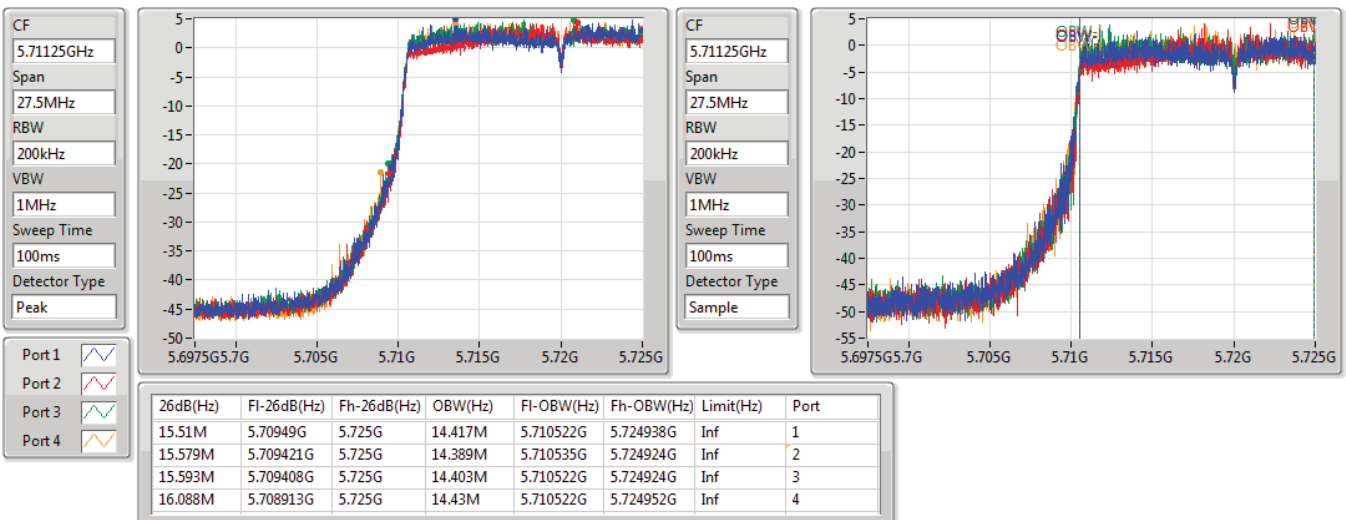


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

31/03/2020

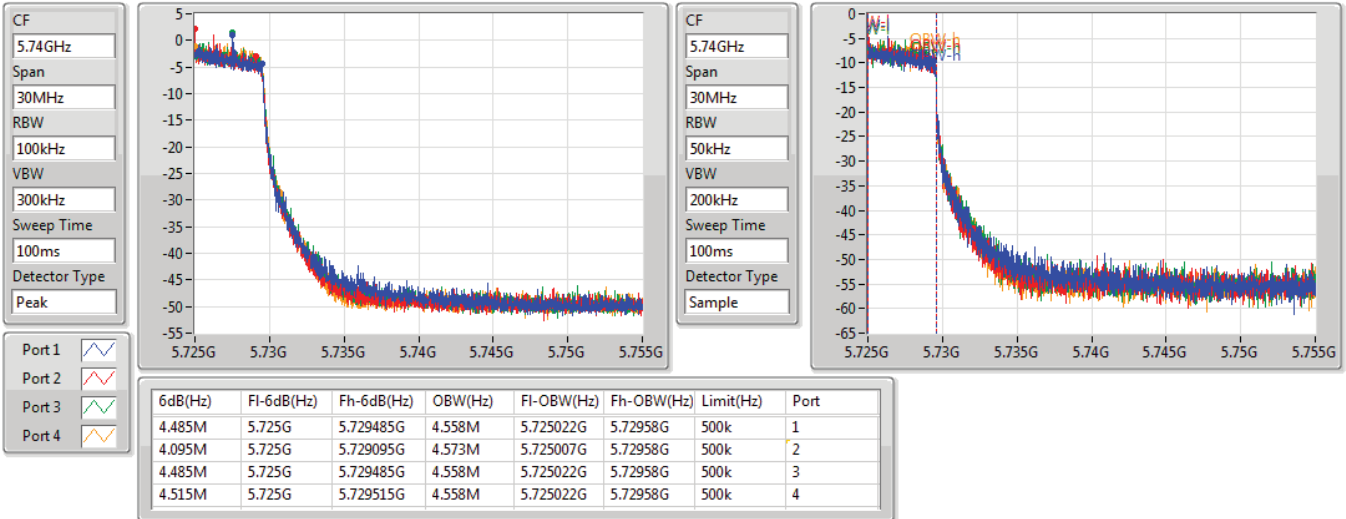


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

31/03/2020

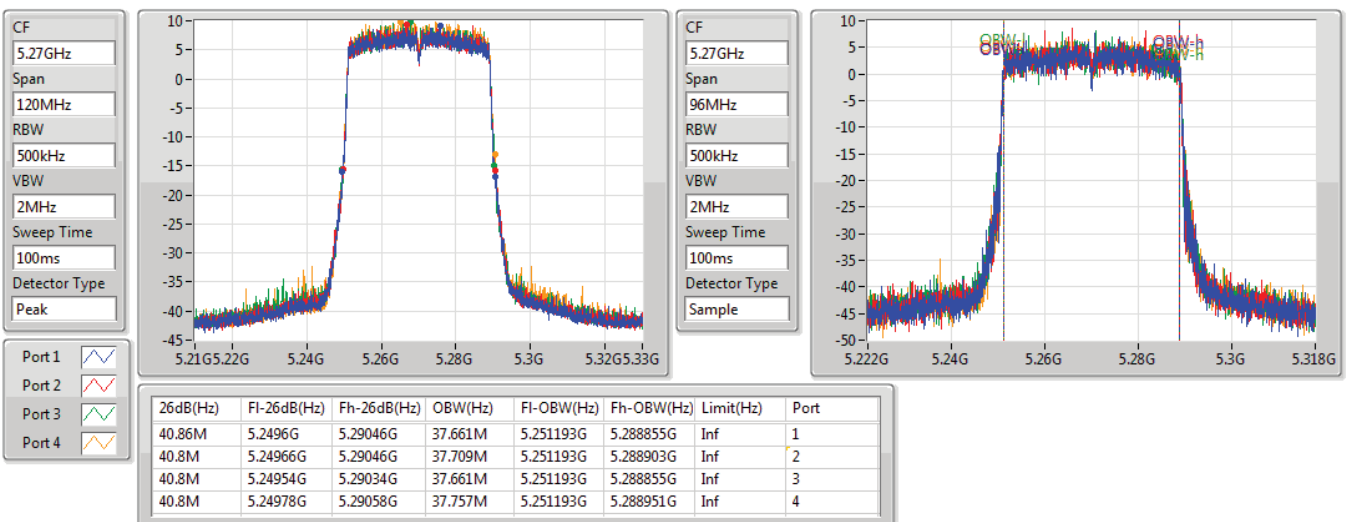


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

31/03/2020

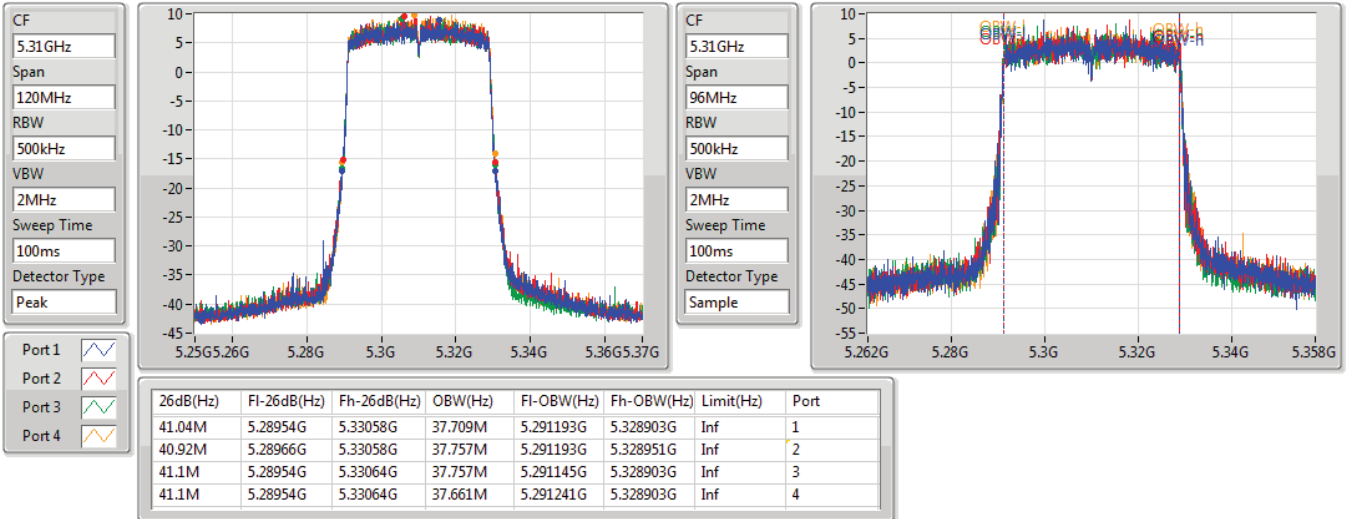


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

31/03/2020

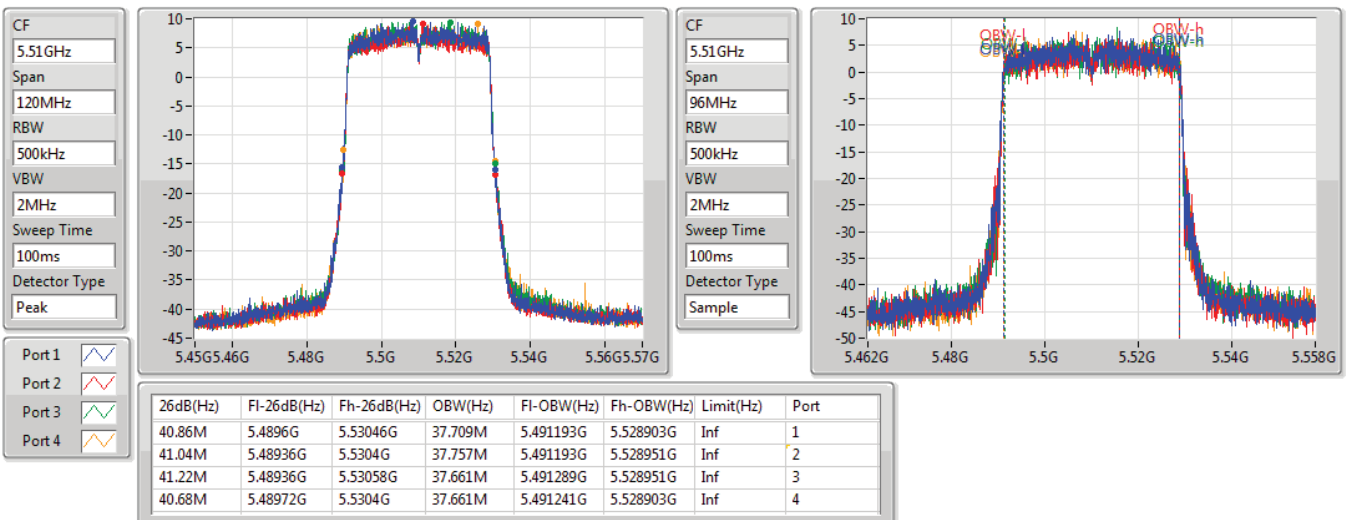


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

31/03/2020

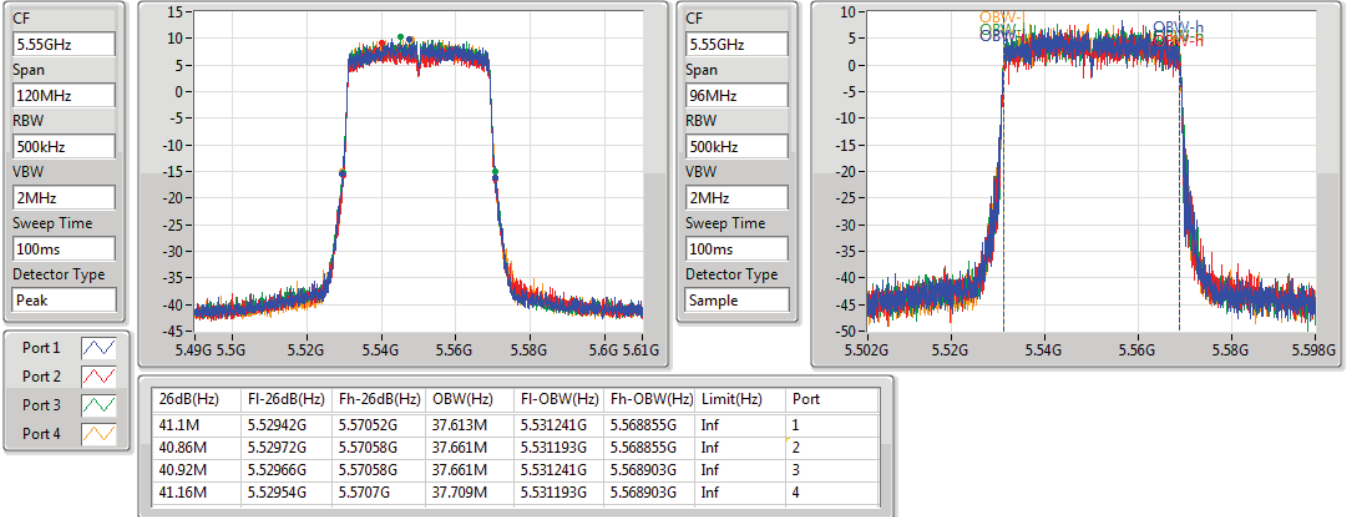


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

31/03/2020

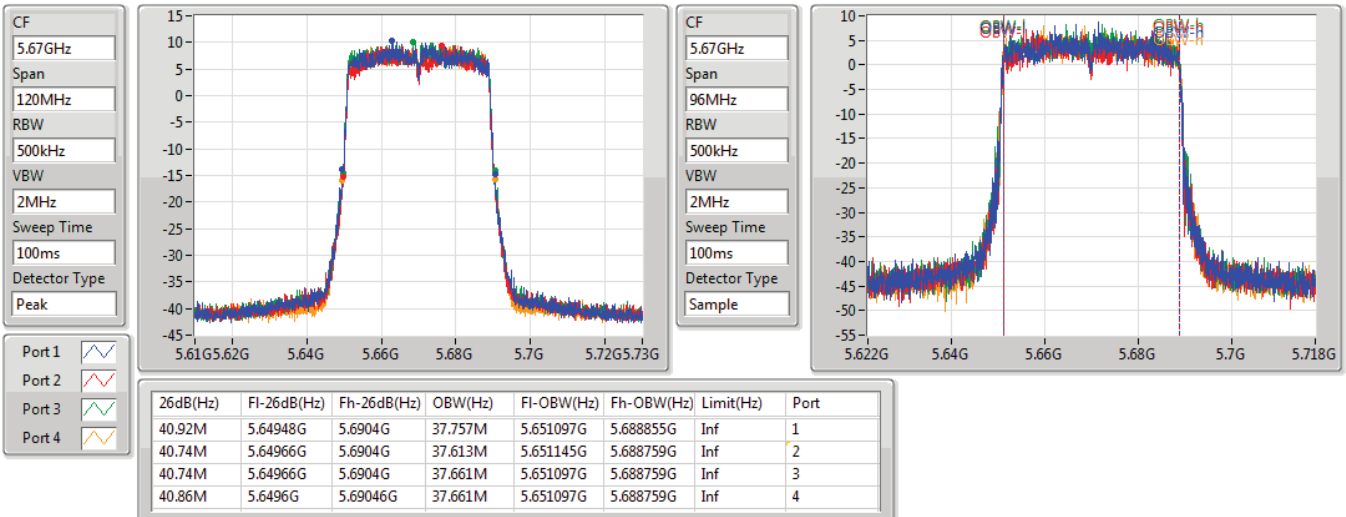


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

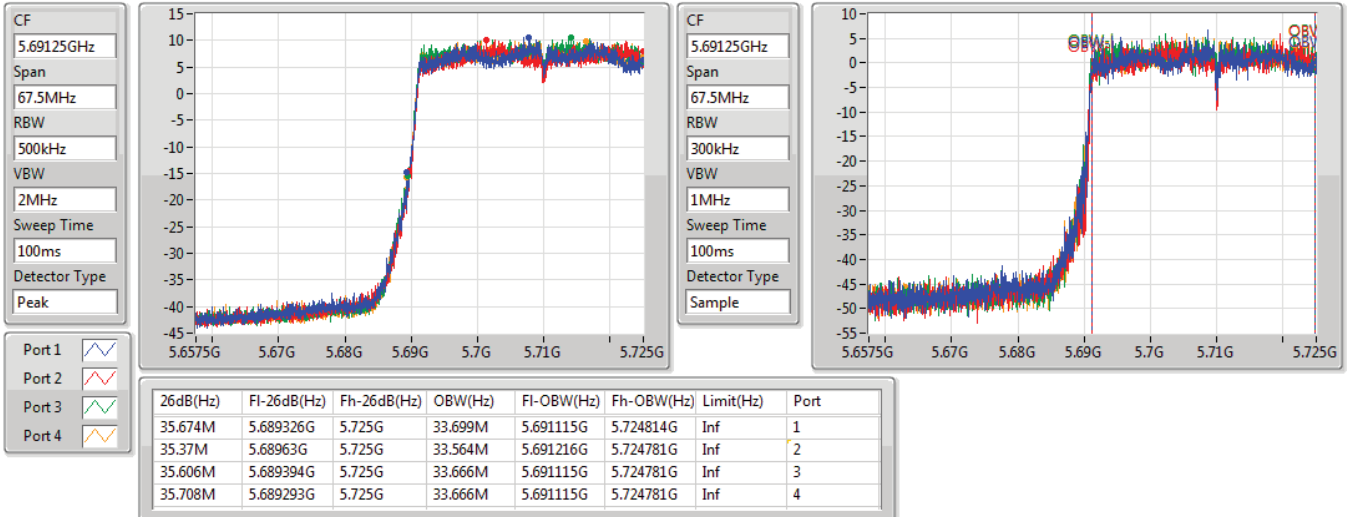
5670MHz

31/03/2020

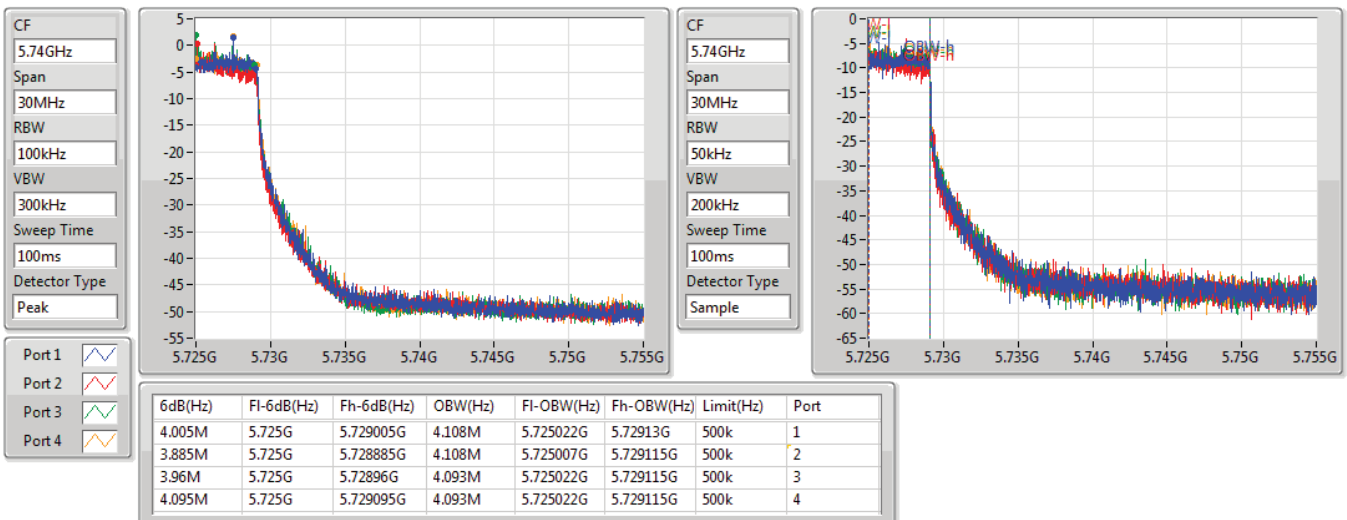


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

31/03/2020


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

31/03/2020

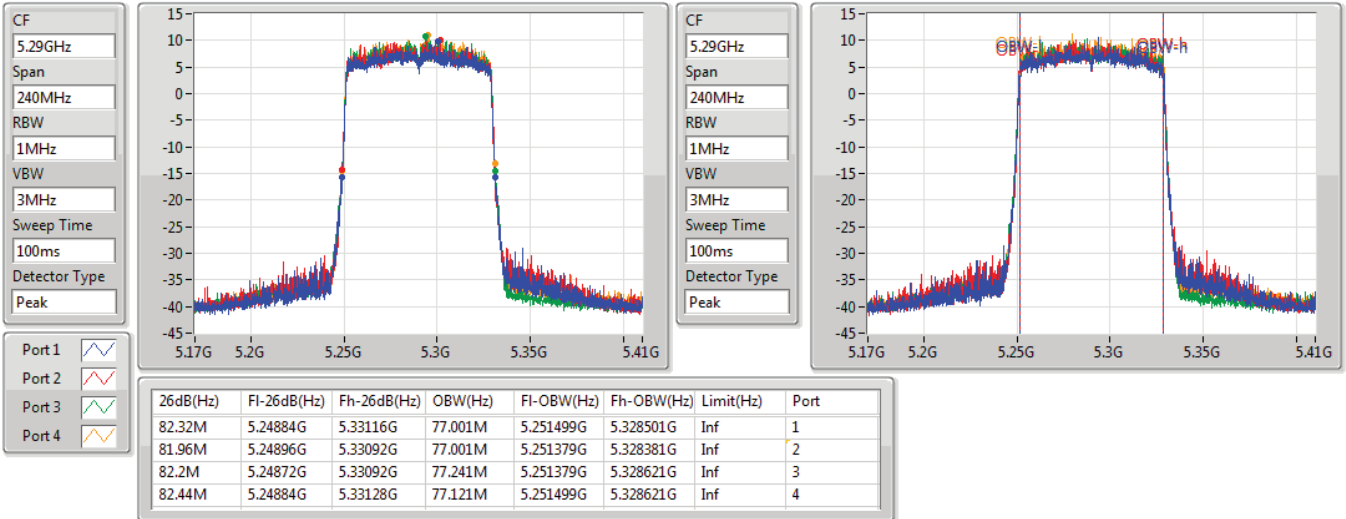


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

10/03/2020

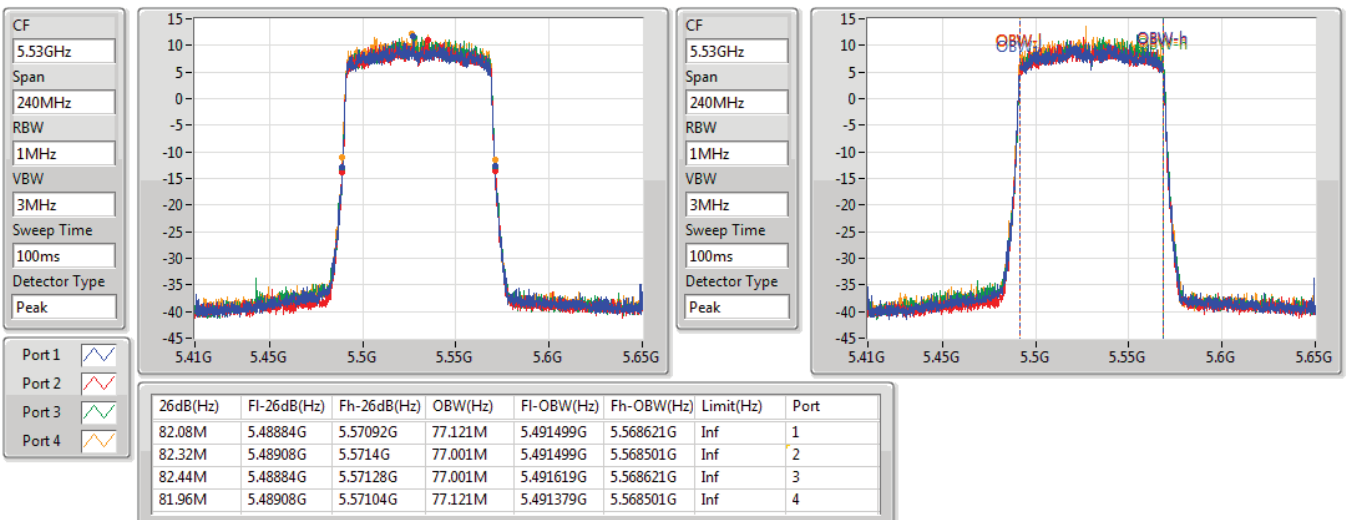


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

10/03/2020



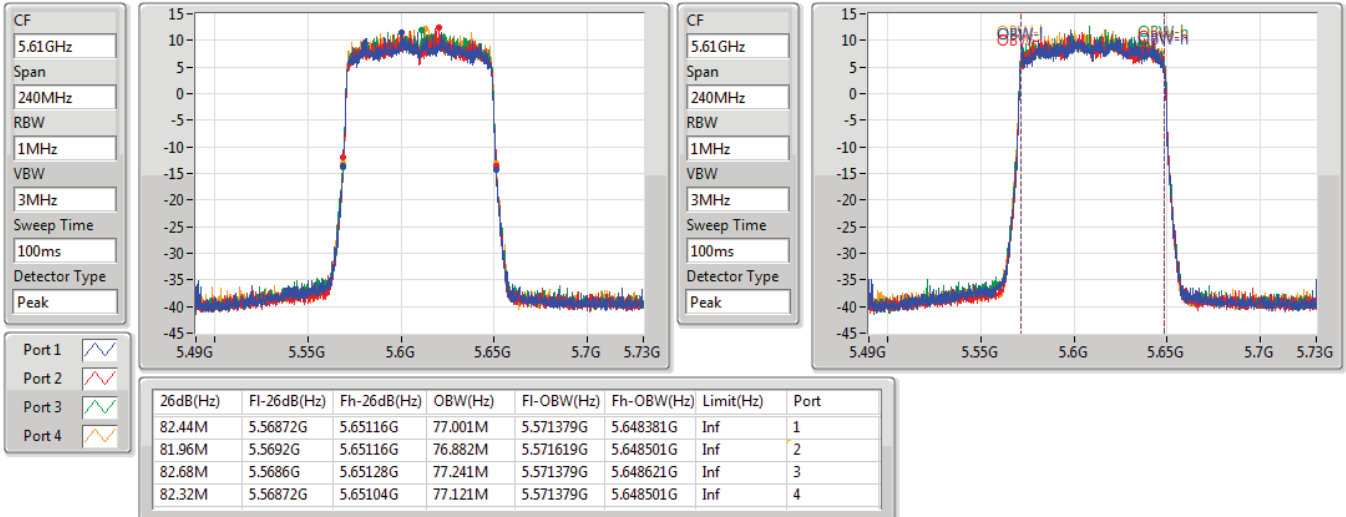


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

10/03/2020

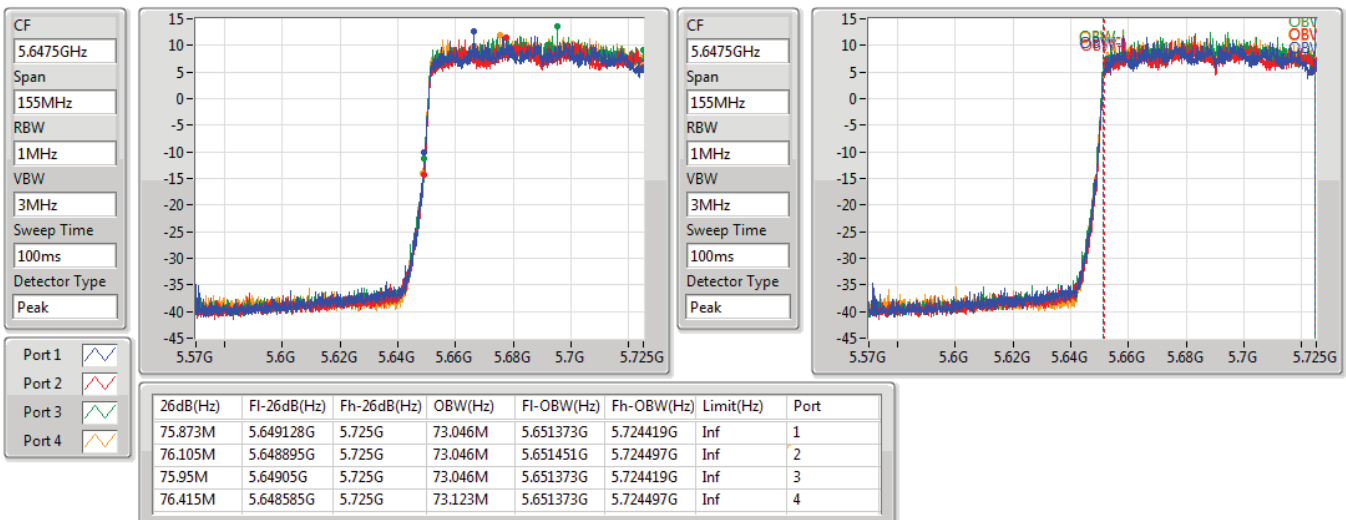


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

10/03/2020

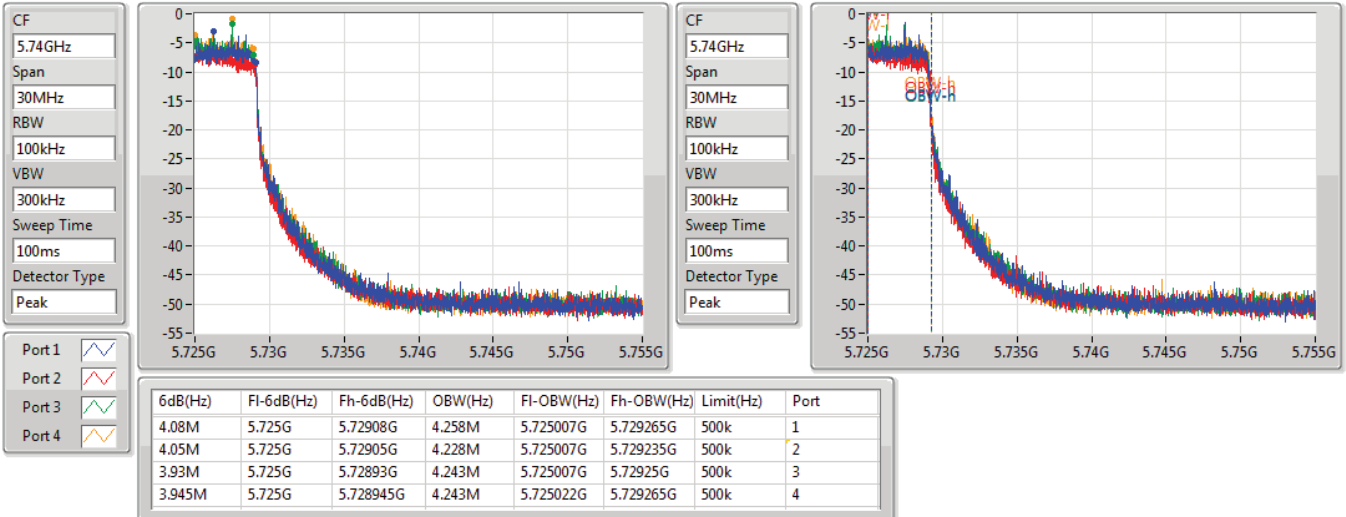


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

10/03/2020

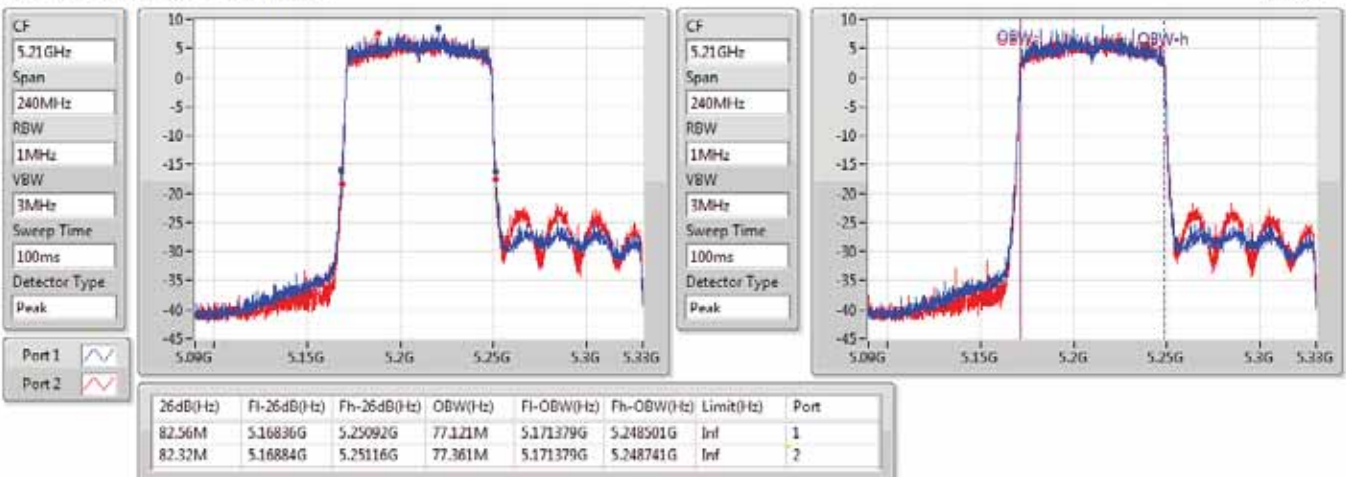


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)

EBW

#5210MHz,5290MHz

10/03/2020

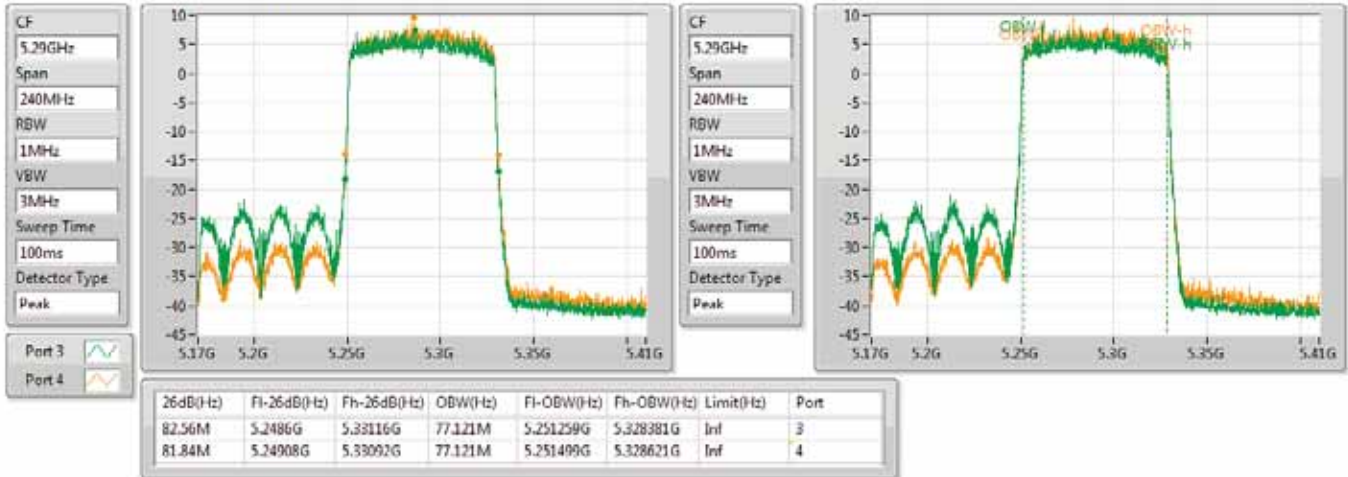


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)

EBW

5210MHz,#5290MHz

18/03/2020

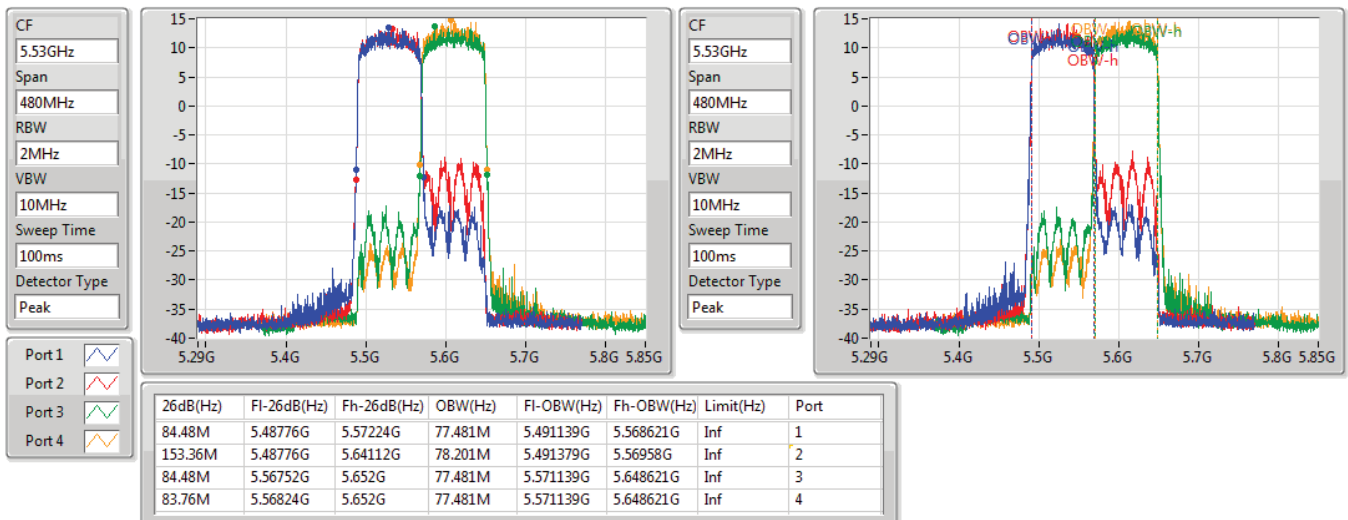


802.11ax HEW80+80_Nss1,(MCS0)_4TX

EBW

#5530MHz,#5610MHz

18/03/2020



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	38.07M	18.999M	19M0D1D	28.56M	16.792M
802.11ac VHT20_Nss1,(MCS0)_2TX	40.26M	18.687M	18M7D1D	30.6M	17.847M
802.11ac VHT40_Nss1,(MCS0)_2TX	70.32M	37.601M	37M6D1D	44.82M	36.582M
802.11ac VHT80_Nss1,(MCS0)_2TX	89.76M	76.282M	76M3D1D	88.92M	76.042M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	35.73M	19.25M	19M2D1D	21.613M	14.238M
802.11ac VHT20_Nss1,(MCS0)_2TX	36.66M	19.79M	19M8D1D	20.72M	14.43M
802.11ac VHT40_Nss1,(MCS0)_2TX	76.2M	38.321M	38M3D1D	44.4M	34.558M
802.11ac VHT80_Nss1,(MCS0)_2TX	128.16M	77.241M	77M2D1D	87.6M	73.356M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.12M	9.85M	9M85D1D	3.12M	9.355M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.75M	9.385M	9M39D1D	3.75M	9.04M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.135M	21.829M	21M8D1D	3.135M	21.379M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.24M	27.571M	27M6D1D	3.21M	26.717M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	33.6M	16.864M	37.44M	18.183M
5300MHz	Pass	Inf	33.18M	16.792M	38.07M	18.999M
5320MHz	Pass	Inf	31.23M	17.181M	28.56M	16.882M
5500MHz	Pass	Inf	34.14M	17.331M	34.23M	17.931M
5580MHz	Pass	Inf	35.73M	19.25M	32.88M	17.361M
5700MHz	Pass	Inf	31.38M	17.151M	25.71M	16.822M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	21.613M	14.238M	21.77M	14.553M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	9.355M	3.12M	9.85M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	31.71M	17.871M	40.26M	18.687M
5300MHz	Pass	Inf	30.6M	17.847M	38.04M	18.615M
5320MHz	Pass	Inf	30.78M	17.895M	38.97M	18.399M
5500MHz	Pass	Inf	23.07M	17.841M	28.98M	18.051M
5580MHz	Pass	Inf	36.66M	19.79M	30.63M	18.201M
5700MHz	Pass	Inf	22.32M	17.781M	22.35M	17.811M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	20.72M	14.658M	20.755M	14.43M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.75M	9.385M	3.75M	9.04M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	70.32M	37.601M	59.46M	36.822M
5310MHz	Pass	Inf	46.68M	36.702M	44.82M	36.582M
5510MHz	Pass	Inf	46.32M	36.642M	44.4M	36.462M
5550MHz	Pass	Inf	72.54M	37.541M	76.2M	37.961M
5670MHz	Pass	Inf	74.76M	38.321M	74.52M	38.201M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	53.363M	34.633M	53.4M	34.558M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	21.379M	3.135M	21.829M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	88.92M	76.282M	89.76M	76.042M
5530MHz	Pass	Inf	88.8M	76.162M	87.6M	75.922M
5610MHz	Pass	Inf	109.92M	76.522M	128.16M	77.241M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	94.318M	73.356M	113.15M	73.821M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.24M	26.717M	3.21M	27.571M

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

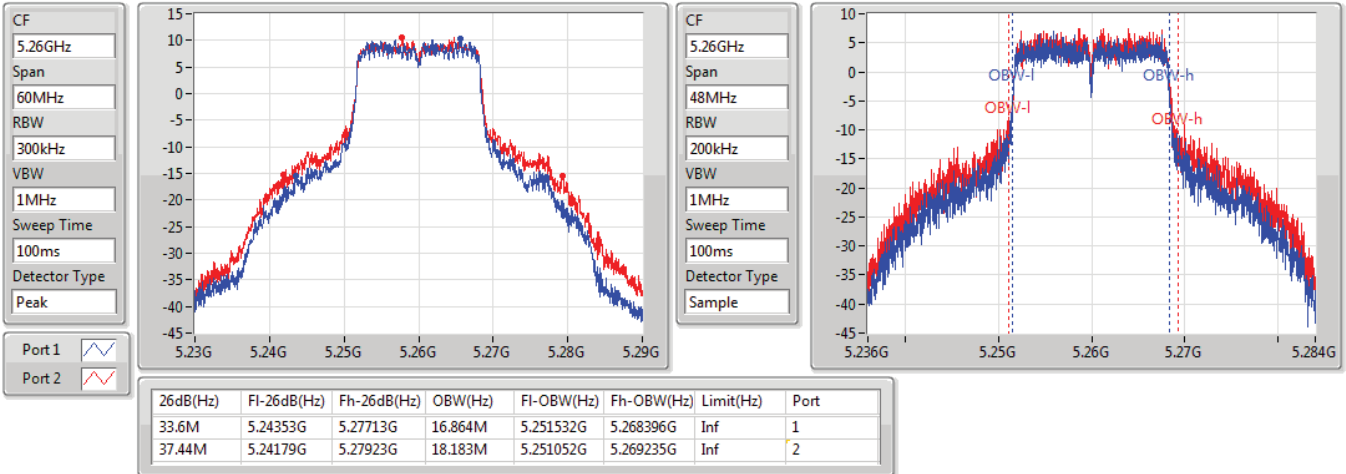
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

31/03/2020

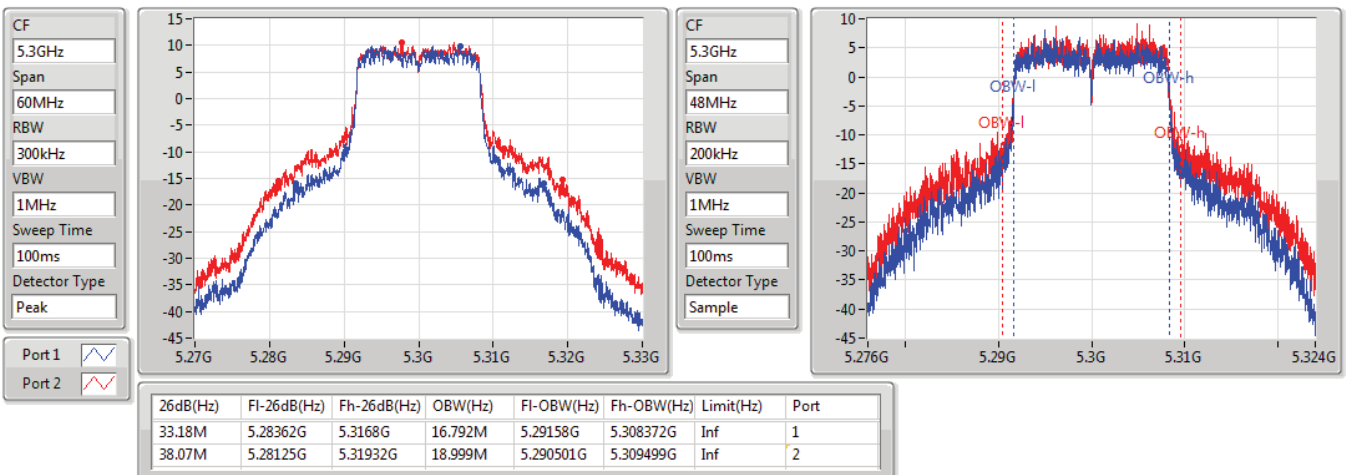


802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

31/03/2020

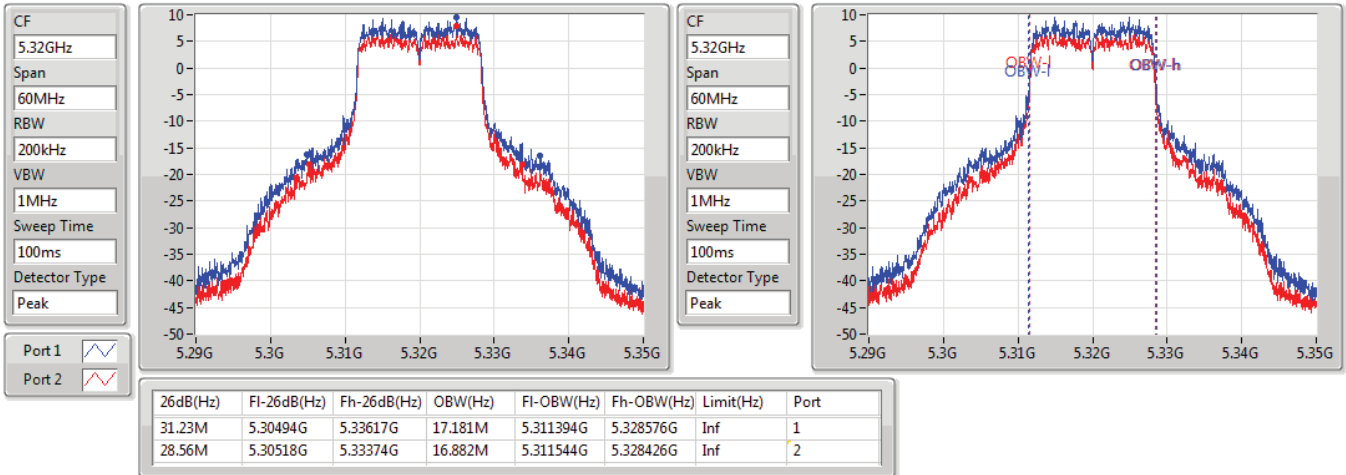


802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

14/03/2020

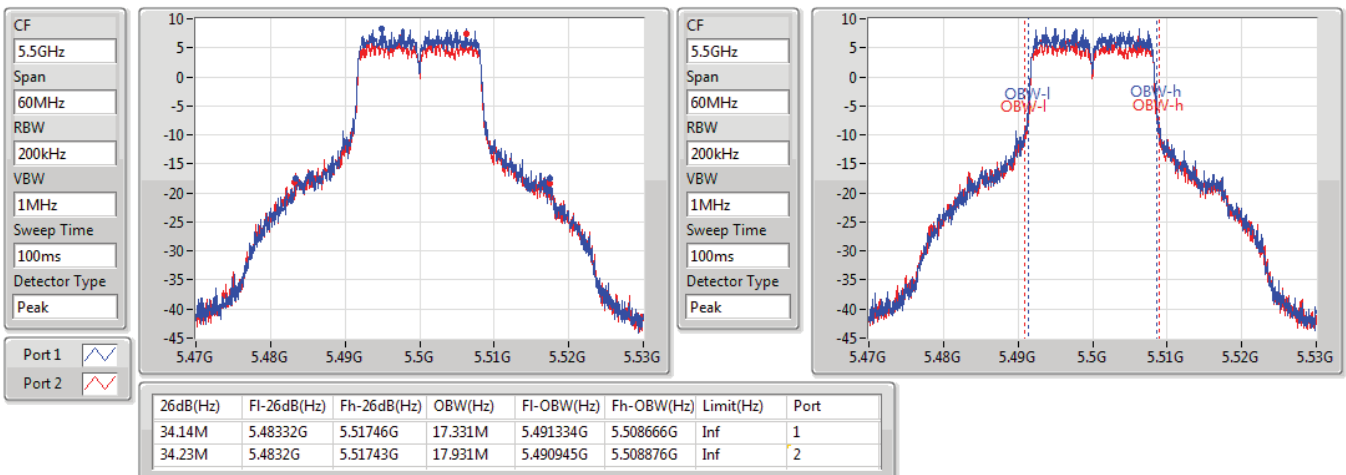


802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

14/03/2020

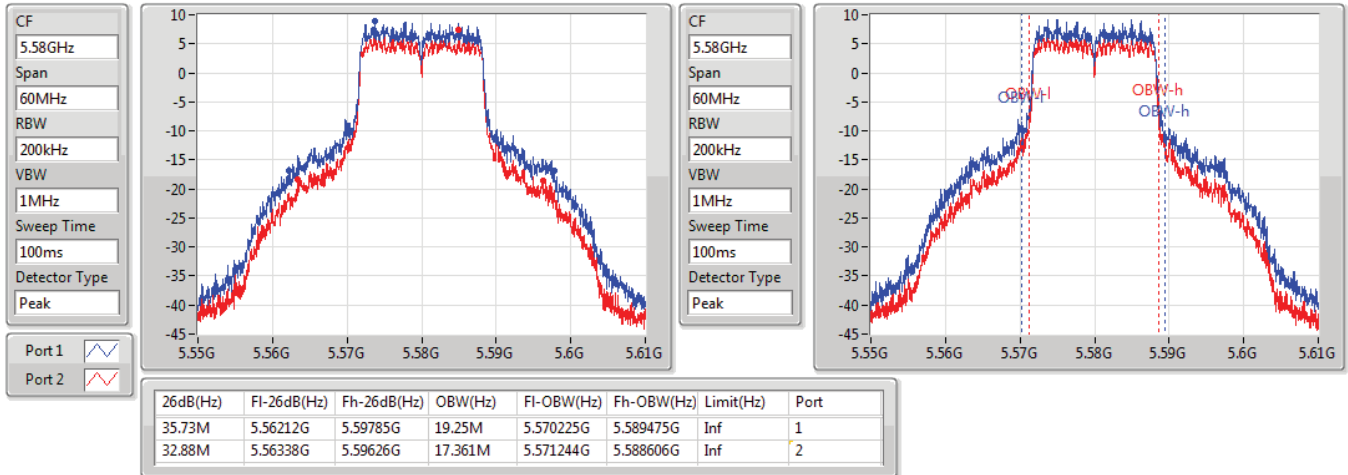


802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

14/03/2020

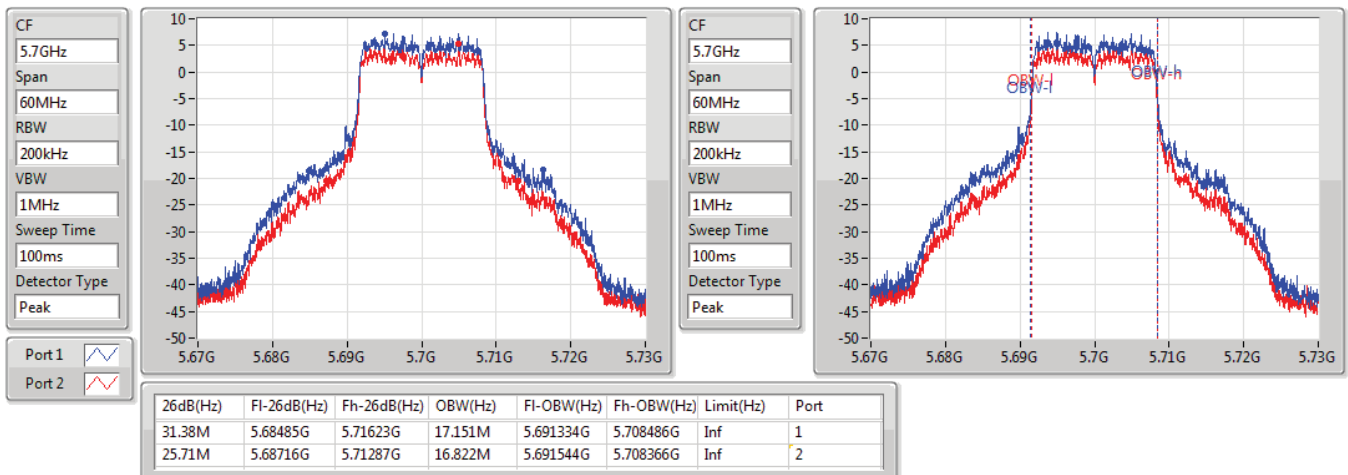


802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

14/03/2020

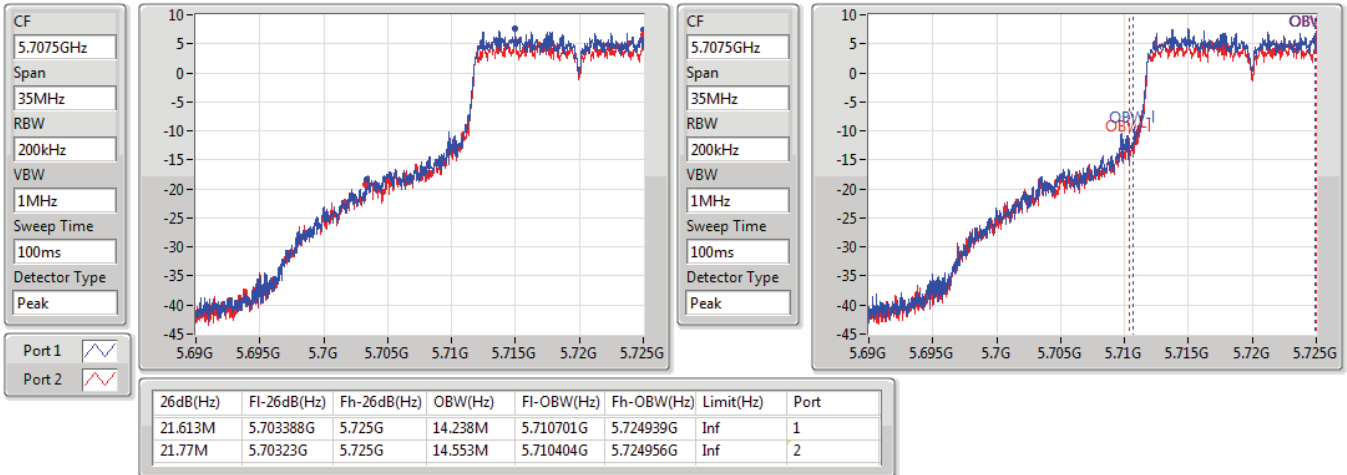


802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

14/03/2020

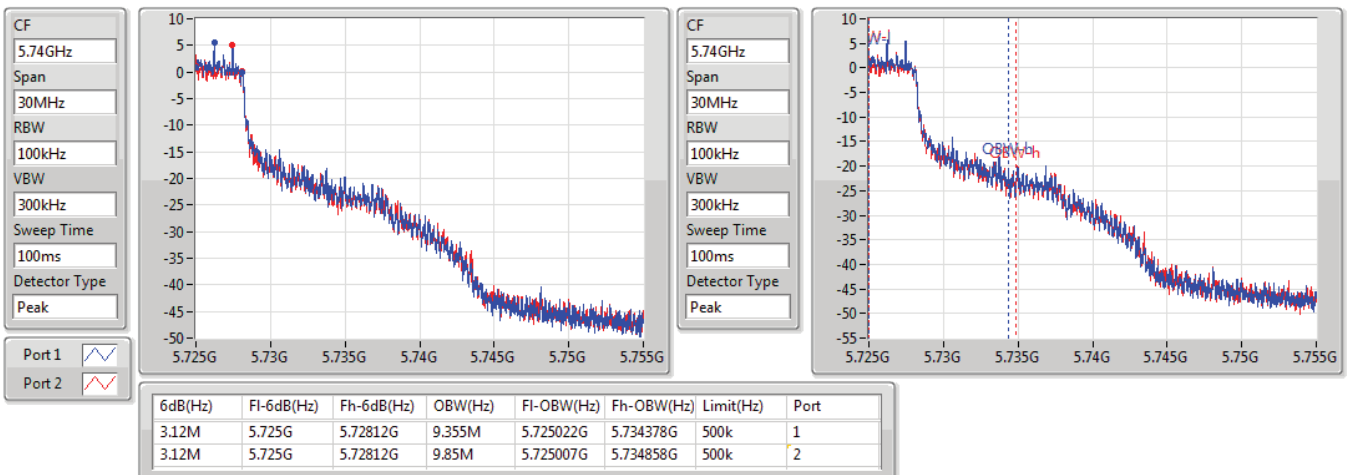


802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

14/03/2020

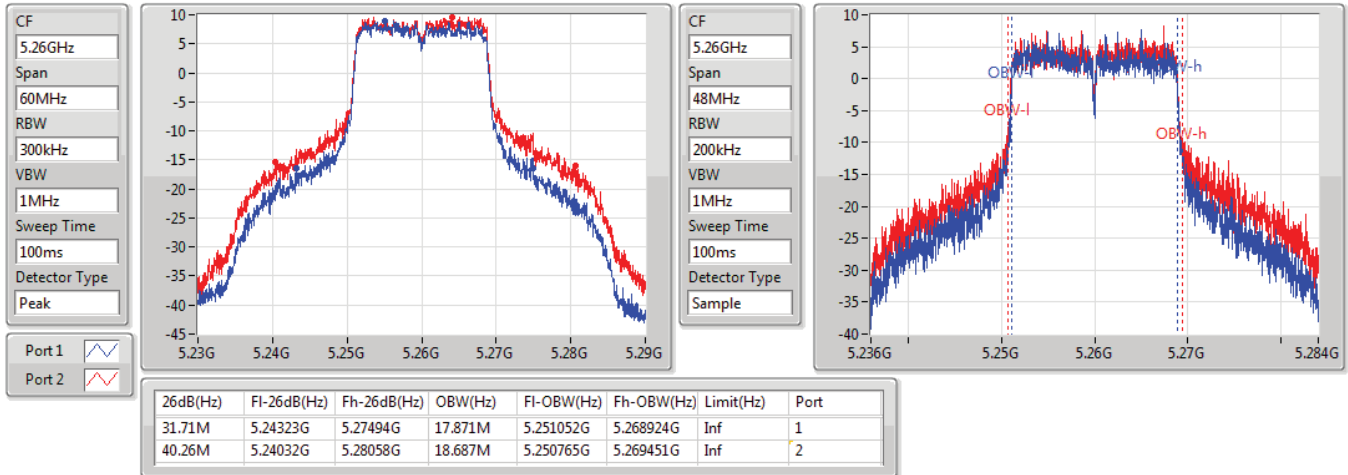


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5260MHz

31/03/2020

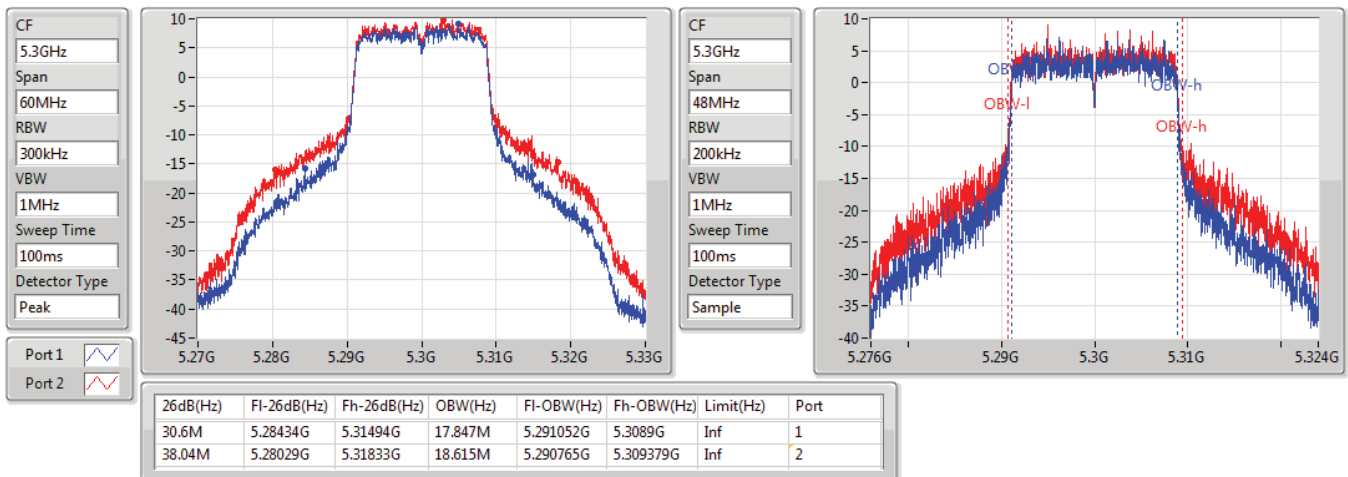


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5300MHz

31/03/2020

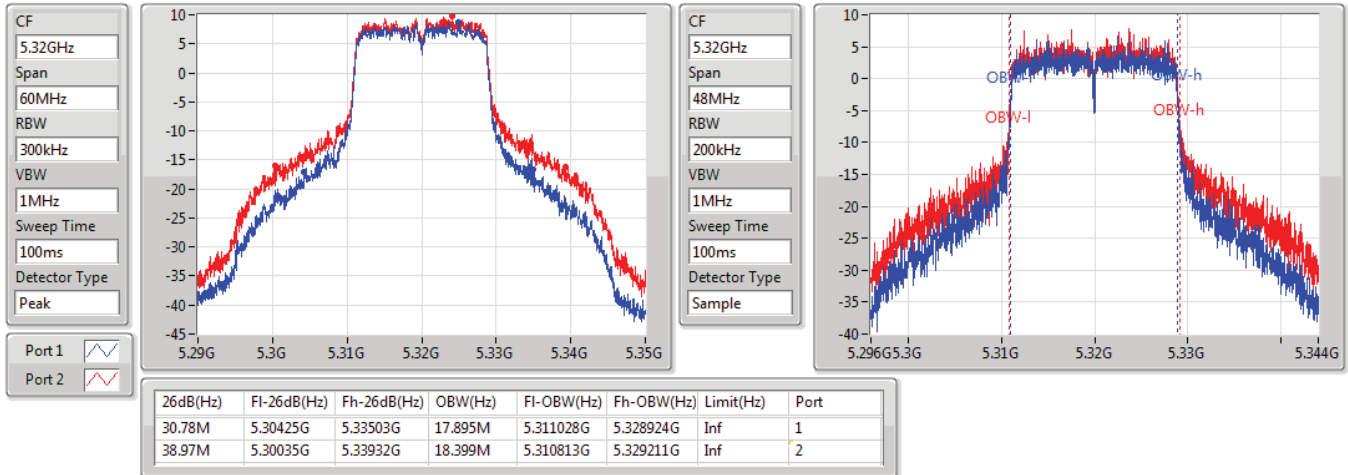


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5320MHz

31/03/2020

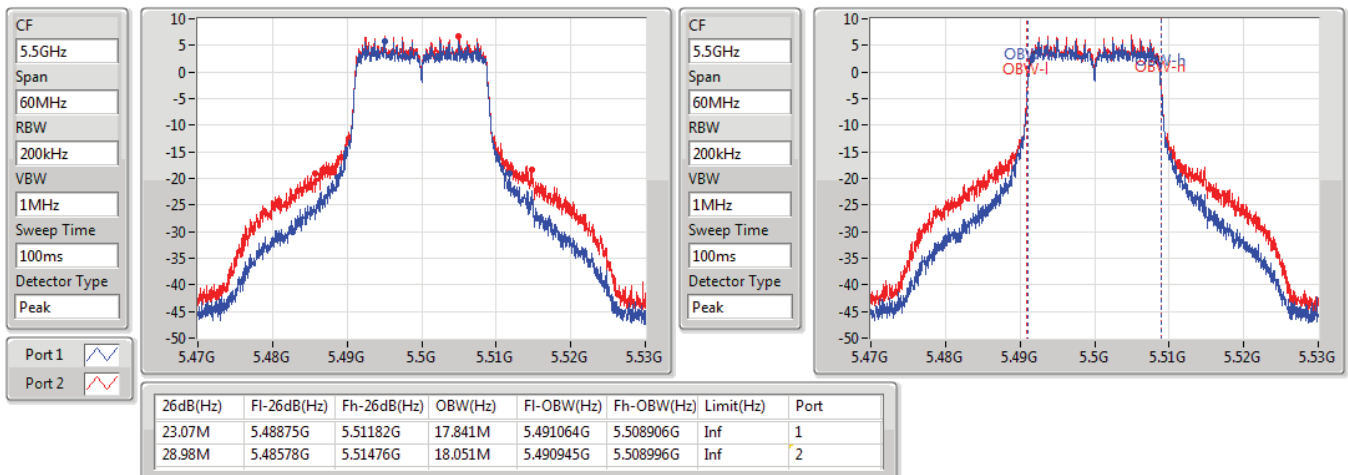


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5500MHz

14/03/2020

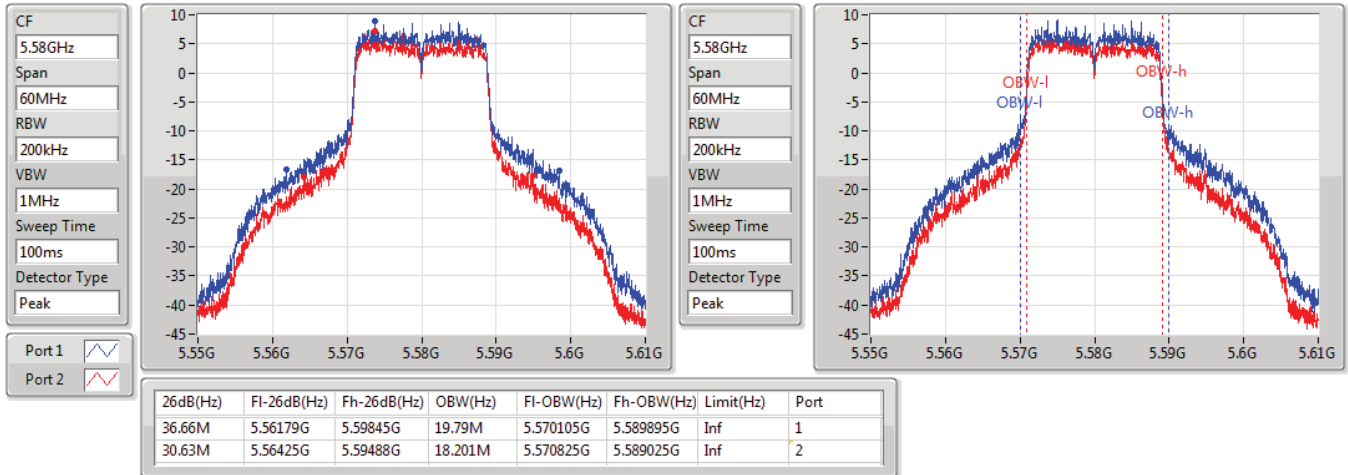


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5580MHz

14/03/2020

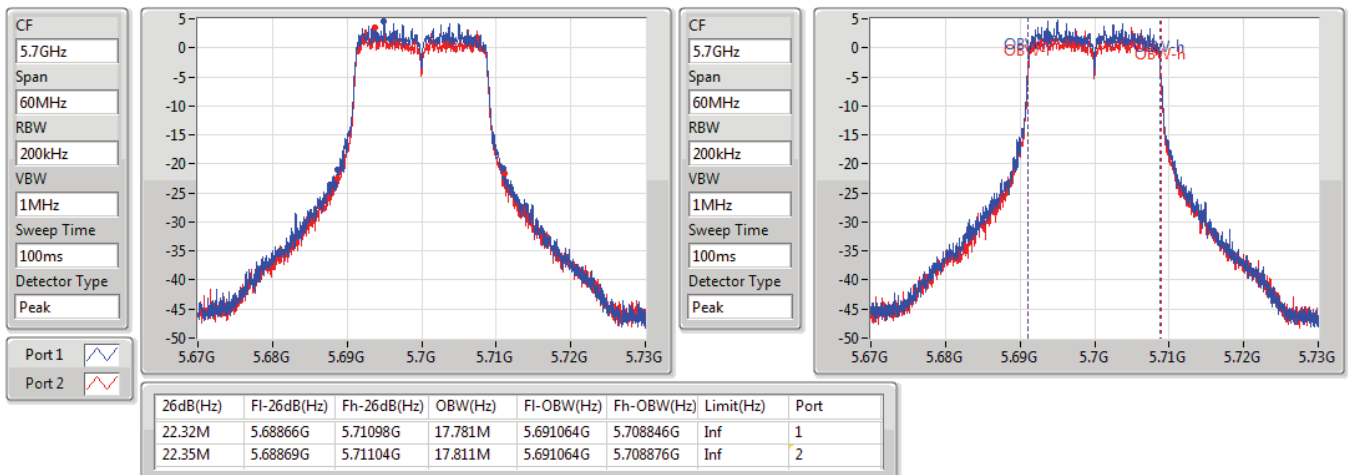


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

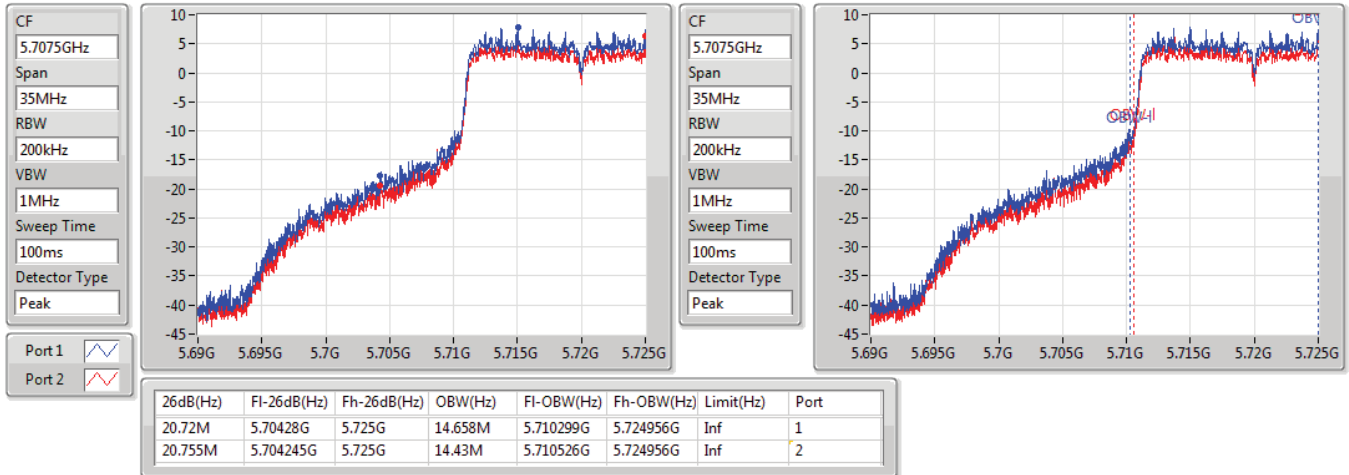
5700MHz

14/03/2020

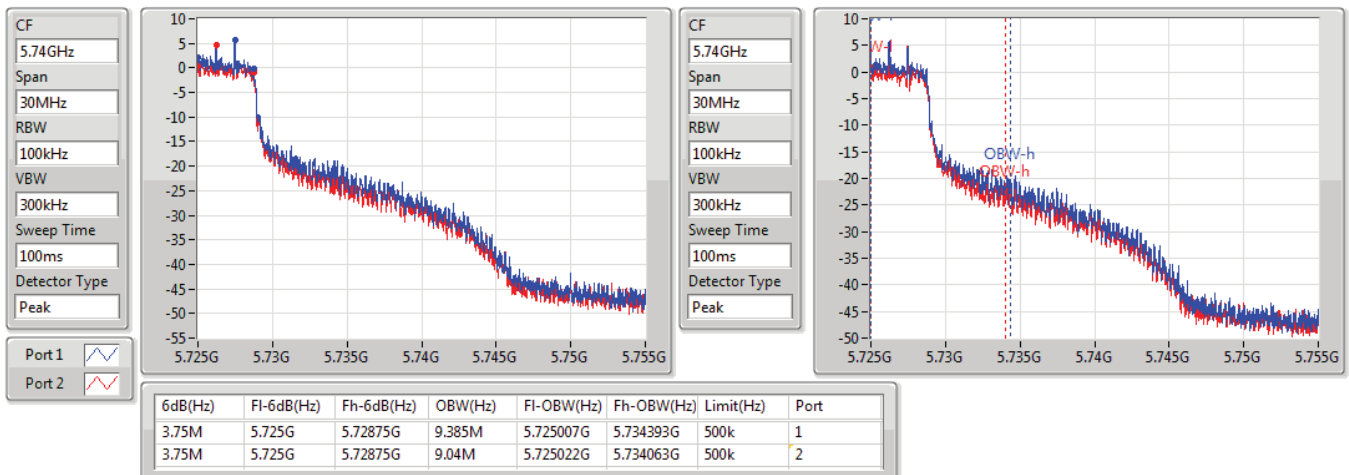


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

14/03/2020


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

14/03/2020

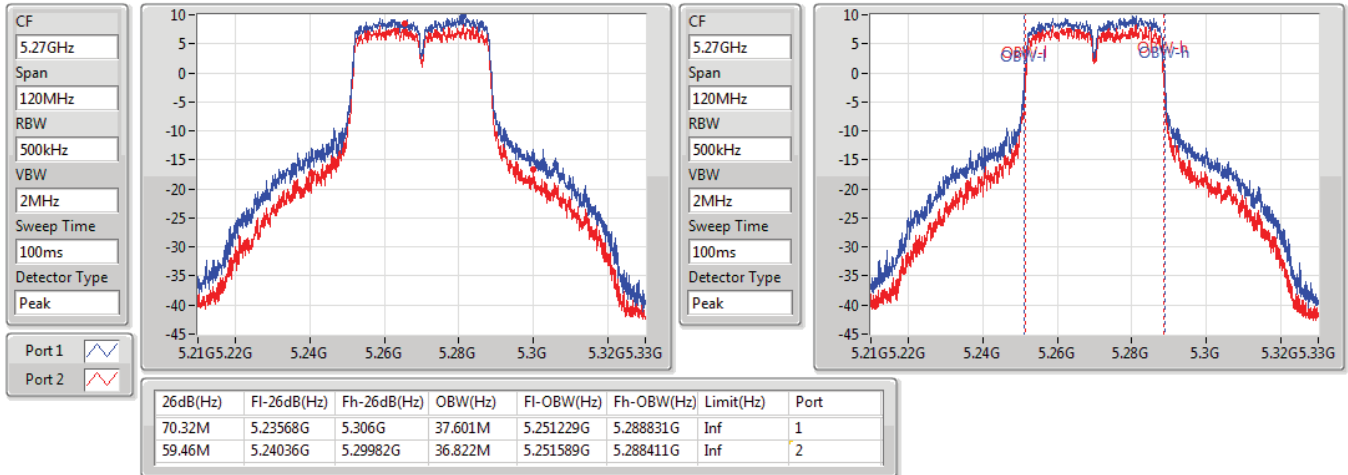


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5270MHz

14/03/2020

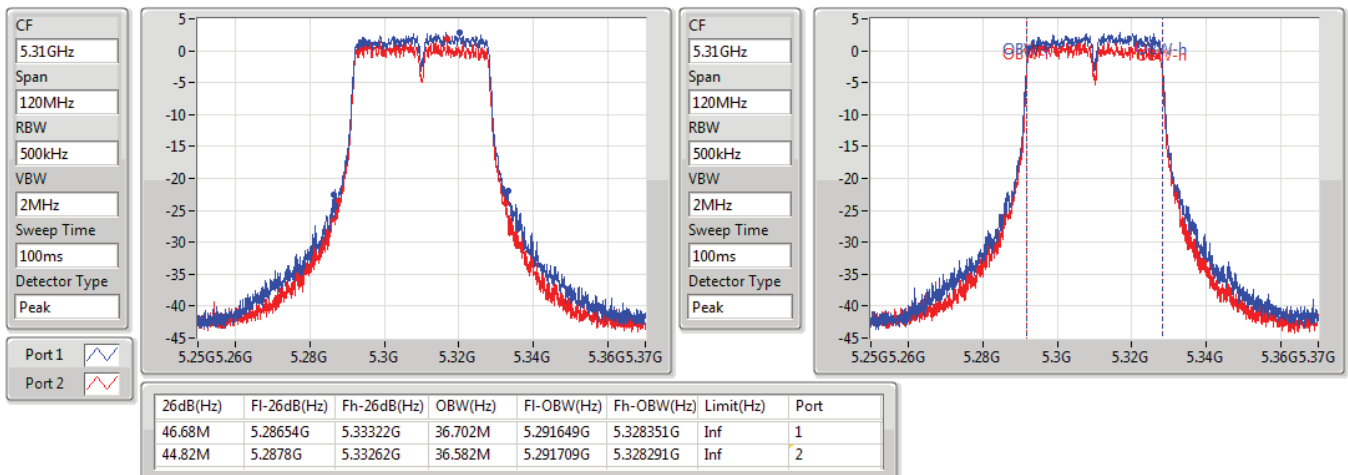


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5310MHz

14/03/2020

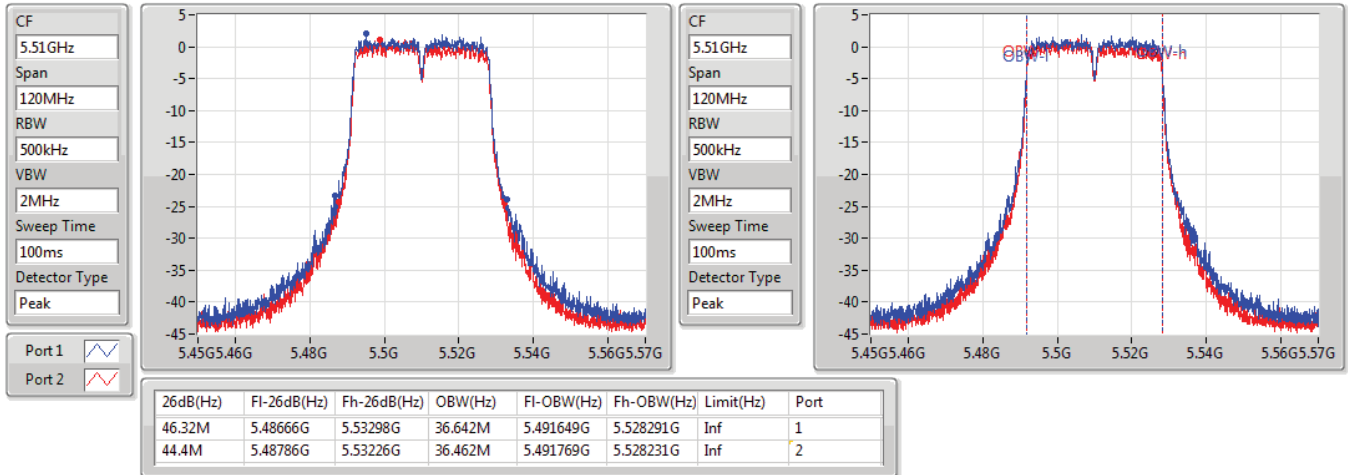


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5510MHz

14/03/2020

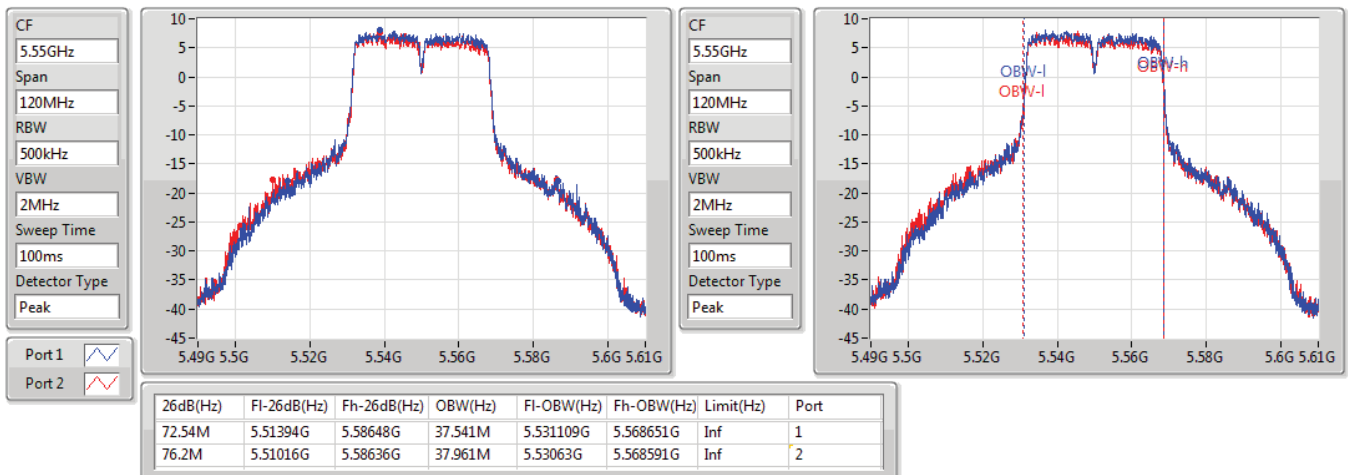


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5550MHz

14/03/2020

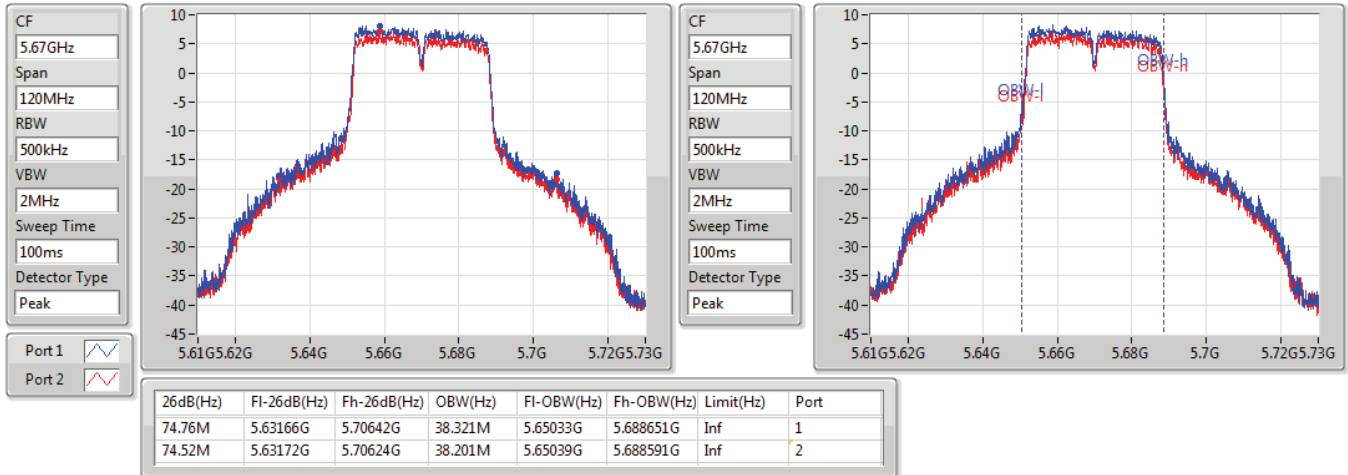


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5670MHz

14/03/2020

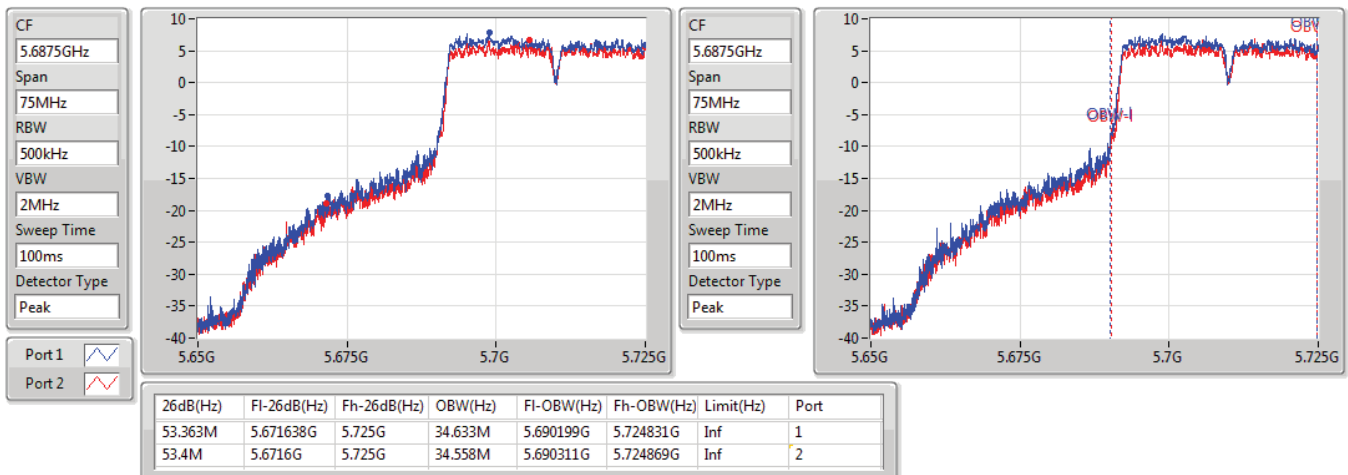


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

14/03/2020

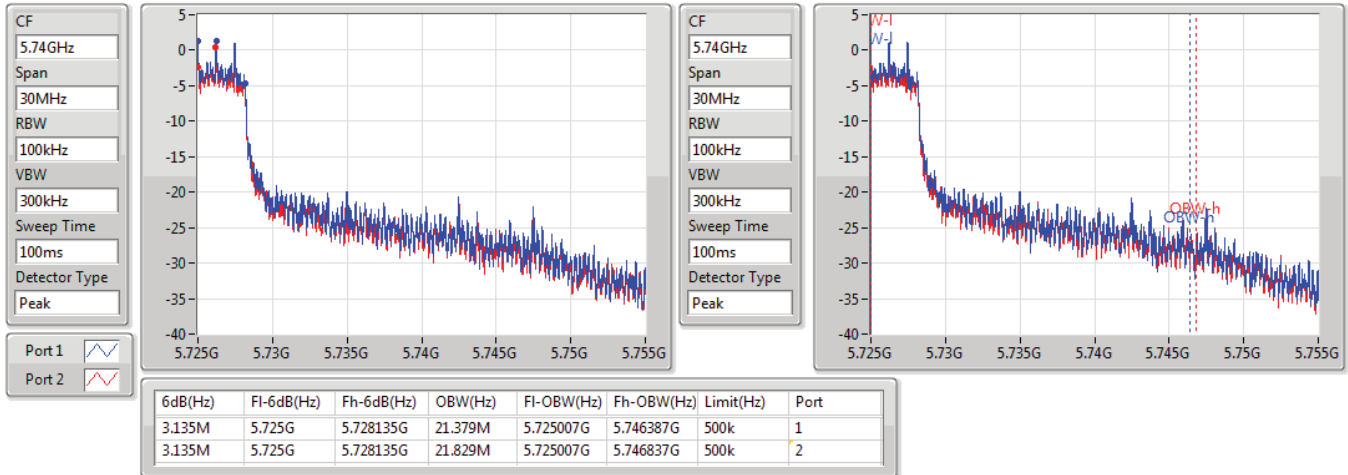


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

14/03/2020

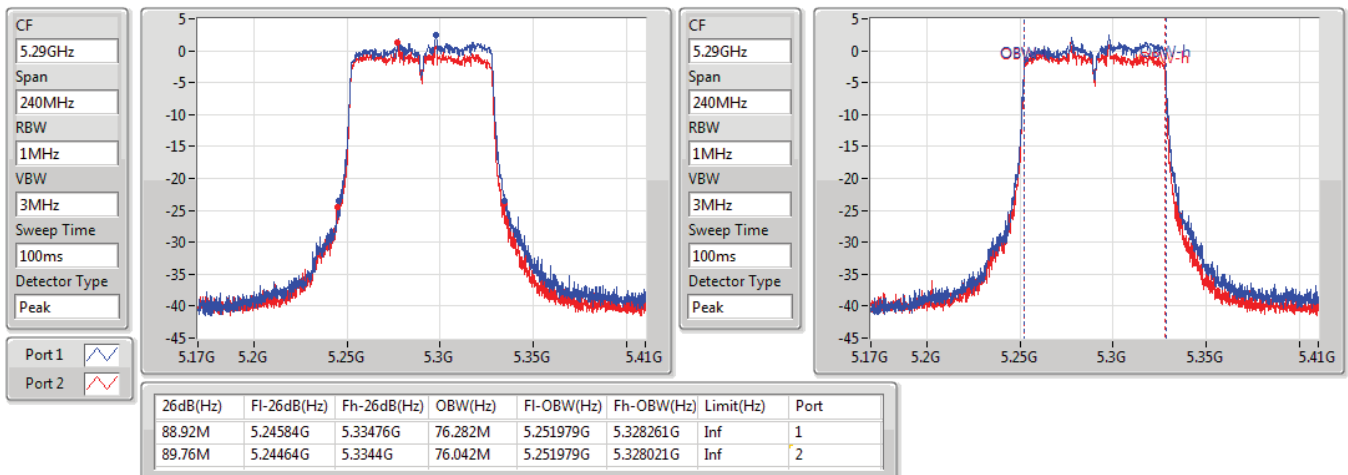


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5290MHz

14/03/2020

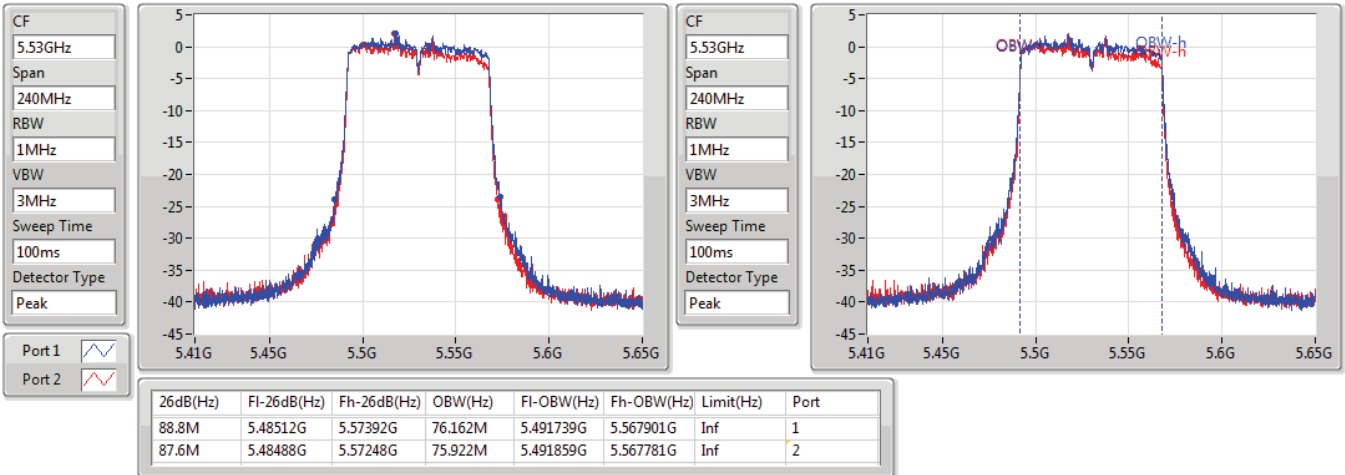


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

14/03/2020

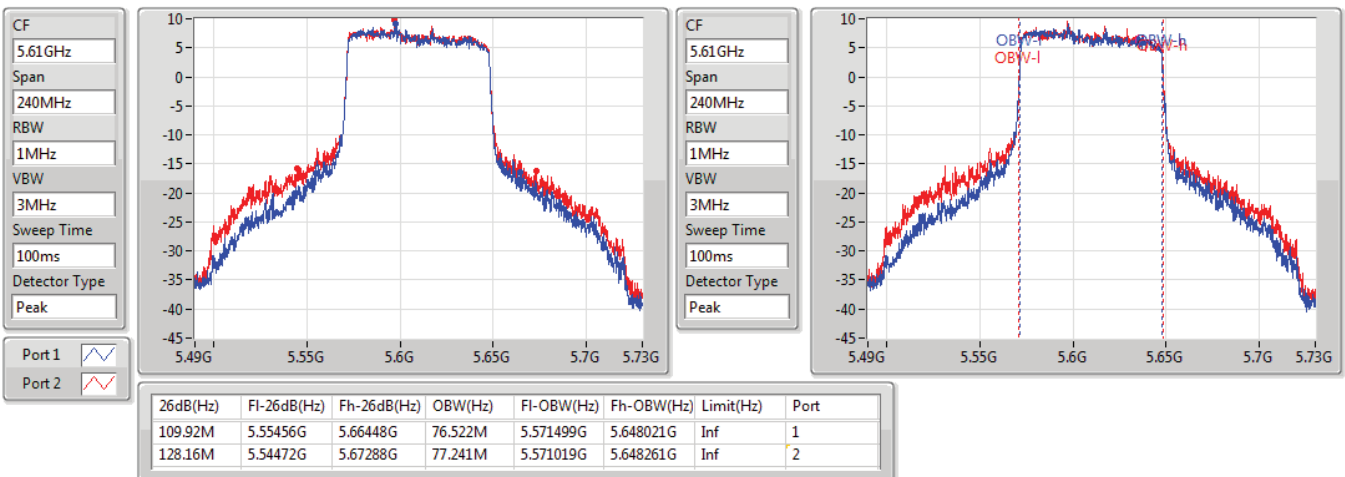


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5610MHz

14/03/2020

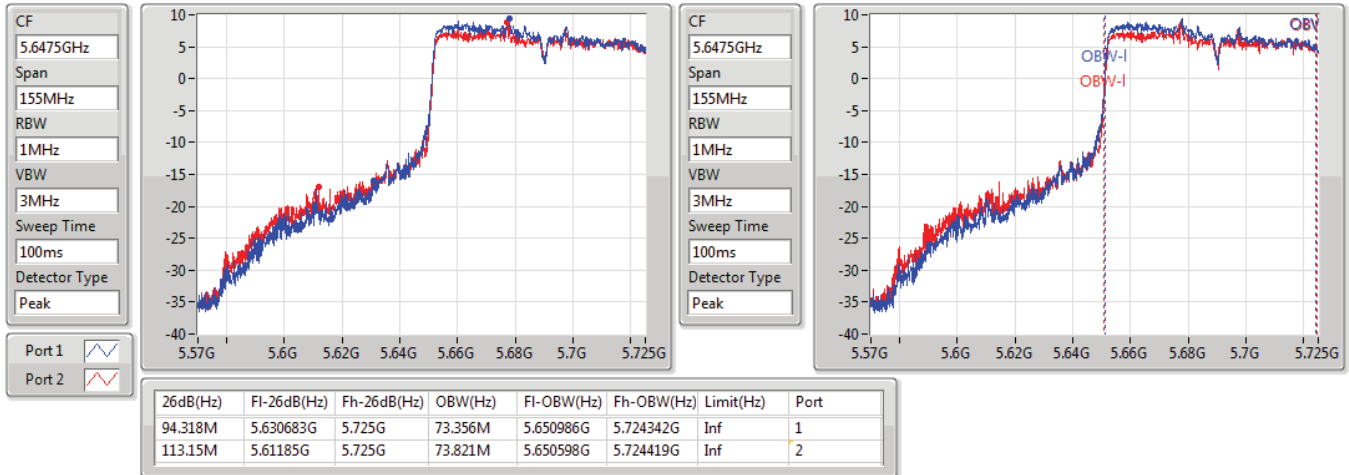


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

14/03/2020

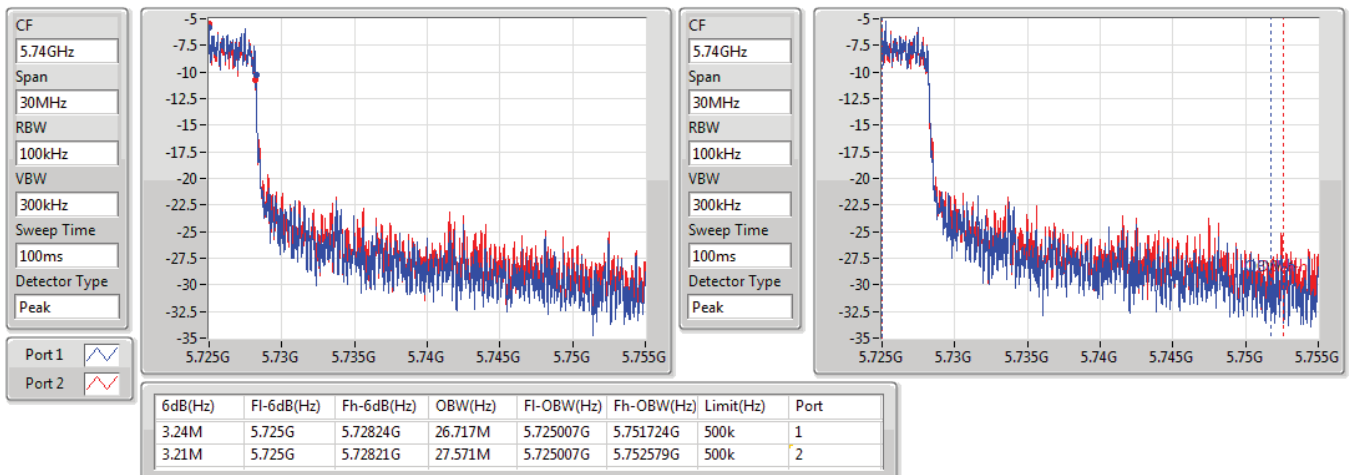


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

14/03/2020





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	157.44M	75.706M	75M7D1D	82.08M	75.514M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	153.12M	77.529M	77M5D1D	82.32M	77.049M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.86M	16.456M	16M5D1D	18.69M	16.336M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.06M	17.679M	17M7D1D	20.04M	17.487M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.62M	36.174M	36M2D1D	39.78M	35.886M
802.11ac VHT80_Nss1,(MCS0)_4TX	82.08M	75.418M	75M4D1D	81.12M	74.843M
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	81.72M	75.61M	75M6D1D	81.36M	75.418M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.6M	18.951M	19M0D1D	20.7M	18.711M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.98M	37.805M	37M8D1D	40.32M	37.469M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.08M	77.241M	77M2D1D	81.6M	76.666M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	82.8M	77.241M	77M2D1D	82.56M	76.954M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.07M	16.432M	16M4D1D	15.015M	13.771M
802.11ac VHT20_Nss1,(MCS0)_4TX	20.91M	17.631M	17M6D1D	15.029M	13.771M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.62M	36.174M	36M2D1D	35.066M	32.822M
802.11ac VHT80_Nss1,(MCS0)_4TX	82.2M	75.61M	75M6D1D	75.52M	72.239M
802.11ac VHT80+80_Nss1,(MCS0)_4TX	157.68M	80.216M	80M2D1D	83.04M	75.802M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.69M	18.975M	19M0D1D	15.551M	14.43M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.52M	37.805M	37M8D1D	35.37M	33.666M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.56M	77.241M	77M2D1D	75.815M	72.976M
802.11ax HEW80+80_Nss1,(MCS0)_4TX	158.4M	84.054M	84M1D1D	84M	77.529M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.135M	3.403M	3M40D1D	3.12M	3.388M
802.11ac VHT20_Nss1,(MCS0)_4TX	3.795M	3.958M	3M96D1D	3.495M	3.898M
802.11ac VHT40_Nss1,(MCS0)_4TX	3.12M	3.463M	3M46D1D	3.12M	3.433M
802.11ac VHT80_Nss1,(MCS0)_4TX	3.135M	3.568M	3M57D1D	3.105M	3.493M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.455M	4.528M	4M53D1D	4.395M	4.498M
802.11ax HEW40_Nss1,(MCS0)_4TX	4.11M	4.108M	4M11D1D	3.975M	4.048M
802.11ax HEW80_Nss1,(MCS0)_4TX	4.035M	4.108M	4M11D1D	3.9M	4.048M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	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	18.69M	16.336M	19.65M	16.408M	19.44M	16.36M	19.68M	16.36M
5300MHz	Pass	Inf	19.65M	16.384M	19.83M	16.432M	19.77M	16.36M	19.59M	16.432M
5320MHz	Pass	Inf	19.65M	16.408M	19.5M	16.336M	19.44M	16.384M	19.86M	16.456M
5500MHz	Pass	Inf	19.29M	16.384M	19.38M	16.336M	19.59M	16.36M	19.32M	16.384M
5580MHz	Pass	Inf	19.38M	16.336M	19.8M	16.408M	19.47M	16.384M	19.44M	16.36M
5700MHz	Pass	Inf	19.38M	16.336M	20.07M	16.432M	19.68M	16.384M	19.59M	16.408M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.015M	13.771M	15.139M	13.784M	15.07M	13.798M	15.483M	13.812M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.403M	3.12M	3.403M	3.135M	3.403M	3.135M	3.388M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	20.58M	17.511M	20.73M	17.607M	20.85M	17.607M	20.55M	17.583M
5300MHz	Pass	Inf	20.04M	17.487M	20.73M	17.607M	20.85M	17.607M	20.37M	17.631M
5320MHz	Pass	Inf	21.06M	17.679M	20.94M	17.607M	20.91M	17.583M	20.82M	17.655M
5500MHz	Pass	Inf	20.7M	17.583M	20.43M	17.607M	20.7M	17.559M	20.73M	17.607M
5580MHz	Pass	Inf	20.7M	17.607M	20.4M	17.535M	20.76M	17.583M	20.64M	17.607M
5700MHz	Pass	Inf	20.91M	17.583M	20.22M	17.511M	20.79M	17.607M	20.85M	17.631M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.07M	13.784M	15.029M	13.771M	15.056M	13.798M	15.18M	13.798M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.795M	3.928M	3.495M	3.898M	3.735M	3.898M	3.765M	3.958M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.44M	36.03M	40.14M	36.078M	40.38M	36.126M	39.78M	35.982M
5310MHz	Pass	Inf	40.02M	35.886M	39.9M	36.078M	40.62M	36.078M	39.9M	36.174M
5510MHz	Pass	Inf	40.38M	36.03M	40.32M	36.03M	40.62M	36.03M	40.08M	36.126M
5550MHz	Pass	Inf	40.44M	36.078M	40.26M	36.03M	40.62M	35.982M	40.26M	36.126M
5670MHz	Pass	Inf	40.5M	36.078M	39.9M	35.934M	40.44M	35.982M	40.14M	36.174M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.269M	32.957M	35.066M	32.822M	35.336M	32.957M	35.1M	32.89M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.433M	3.12M	3.433M	3.12M	3.463M	3.12M	3.433M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.08M	75.322M	81.12M	75.322M	81.6M	75.418M	81.6M	74.843M
5530MHz	Pass	Inf	81.84M	75.322M	81.6M	75.322M	82.2M	75.418M	81.36M	75.61M
5610MHz	Pass	Inf	81.84M	75.418M	81.48M	75.322M	81.96M	75.418M	81.36M	75.61M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.963M	72.46M	75.52M	72.313M	76.11M	72.239M	75.815M	72.313M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.523M	3.105M	3.508M	3.135M	3.493M	3.135M	3.568M
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	Inf	157.44M	75.706M	82.08M	75.514M				
802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	Inf					81.72M	75.61M	81.36M	75.418M
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	Inf	83.04M	75.802M	152.64M	80.216M	117.12M	75.994M	157.68M	76.57M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	20.91M	18.855M	21.6M	18.903M	21.24M	18.951M	21.27M	18.903M
5300MHz	Pass	Inf	20.7M	18.711M	21.12M	18.903M	21.3M	18.903M	20.88M	18.855M
5320MHz	Pass	Inf	20.82M	18.807M	21.18M	18.903M	21.33M	18.903M	20.91M	18.831M
5500MHz	Pass	Inf	21.21M	18.903M	21.24M	18.903M	21.27M	18.927M	20.97M	18.879M

**EBW_Non-Beamforming_Outdoor_Sample 3_Radio 1****Appendix A.5**

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)
5580MHz	Pass	Inf	21M	18.903M	20.91M	18.879M	21.24M	18.903M	21.48M	18.927M
5700MHz	Pass	Inf	21.33M	18.951M	21.69M	18.975M	21.69M	18.927M	21.36M	18.927M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.551M	14.43M	15.991M	14.485M	15.565M	14.444M	15.703M	14.472M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.455M	4.528M	4.455M	4.528M	4.395M	4.498M	4.455M	4.528M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.38M	37.469M	40.92M	37.757M	40.86M	37.757M	40.44M	37.517M
5310MHz	Pass	Inf	40.32M	37.517M	40.98M	37.709M	40.92M	37.757M	40.74M	37.805M
5510MHz	Pass	Inf	40.98M	37.757M	40.62M	37.757M	41.1M	37.709M	40.8M	37.757M
5550MHz	Pass	Inf	40.98M	37.709M	41.16M	37.565M	41.52M	37.709M	41.04M	37.805M
5670MHz	Pass	Inf	40.8M	37.661M	40.74M	37.613M	41.16M	37.709M	40.98M	37.757M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.606M	33.767M	35.37M	33.666M	35.404M	33.699M	35.404M	33.699M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.99M	4.108M	4.11M	4.048M	4.005M	4.048M	3.975M	4.048M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.08M	77.241M	81.96M	76.858M	82.08M	77.049M	81.6M	76.666M
5530MHz	Pass	Inf	81.6M	77.241M	82.08M	77.049M	82.56M	76.858M	82.32M	77.241M
5610MHz	Pass	Inf	82.32M	77.241M	81.96M	76.858M	82.08M	76.954M	82.56M	77.241M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.331M	73.271M	75.889M	72.976M	76.258M	73.05M	75.815M	73.05M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	4.063M	3.9M	4.048M	4.035M	4.108M	4.035M	4.048M
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	Inf	153.12M	77.529M	82.32M	77.049M				
802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	Inf					82.56M	76.954M	82.8M	77.241M
802.11ax HEW80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	Inf	84.24M	77.529M	155.76M	84.054M	84M	77.529M	158.4M	78.105M

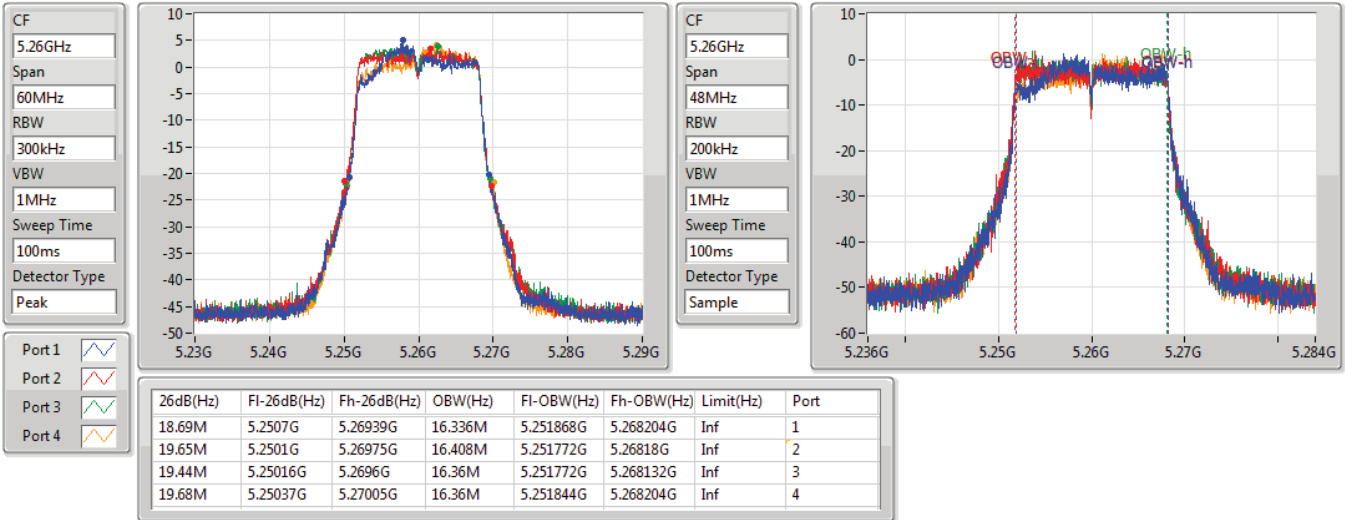
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band**Port X-OBW** = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

02/04/2020

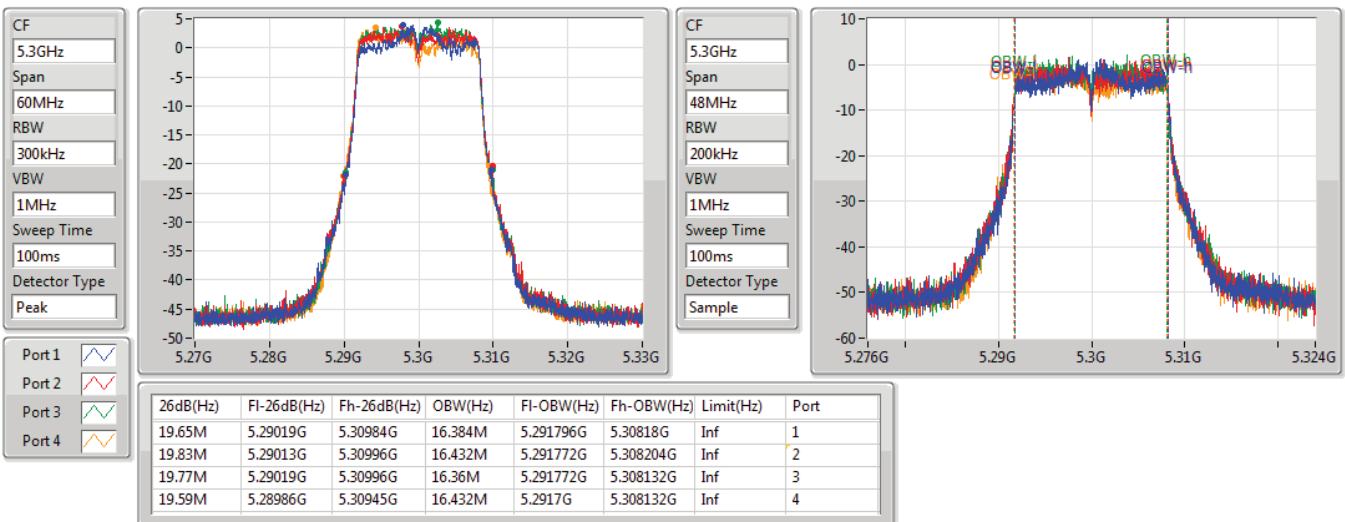


802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

02/04/2020



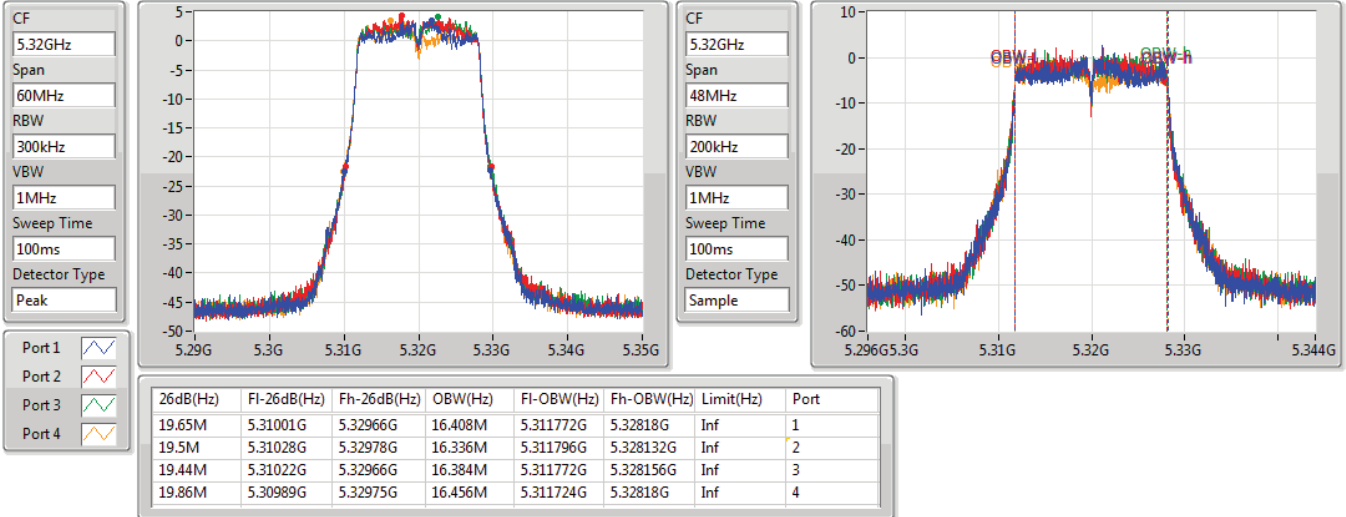


802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

02/04/2020

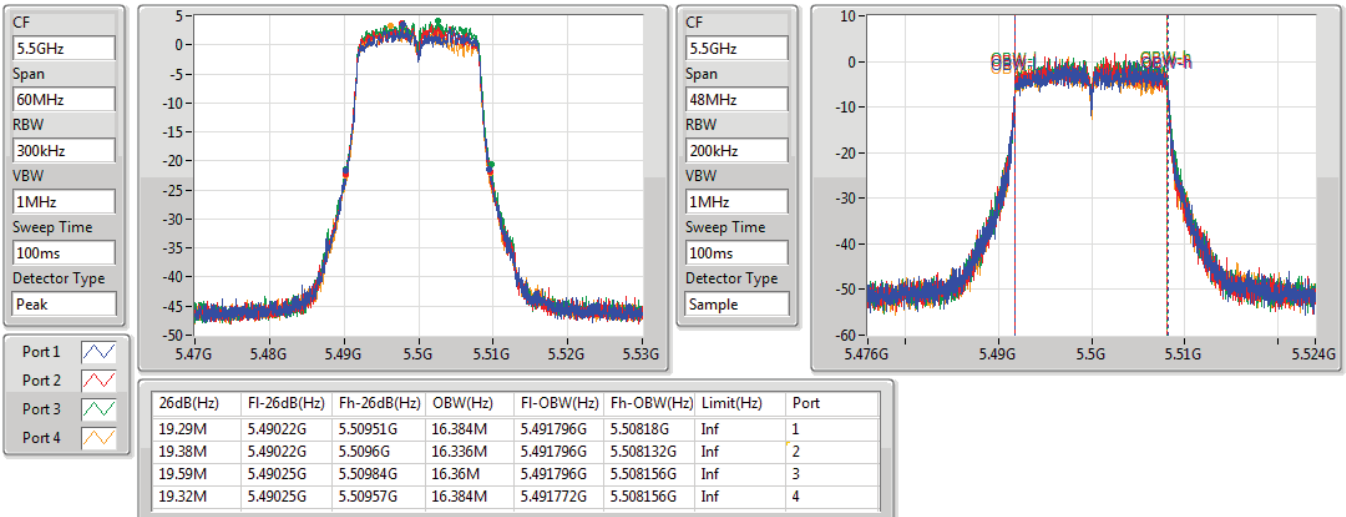


802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

02/04/2020

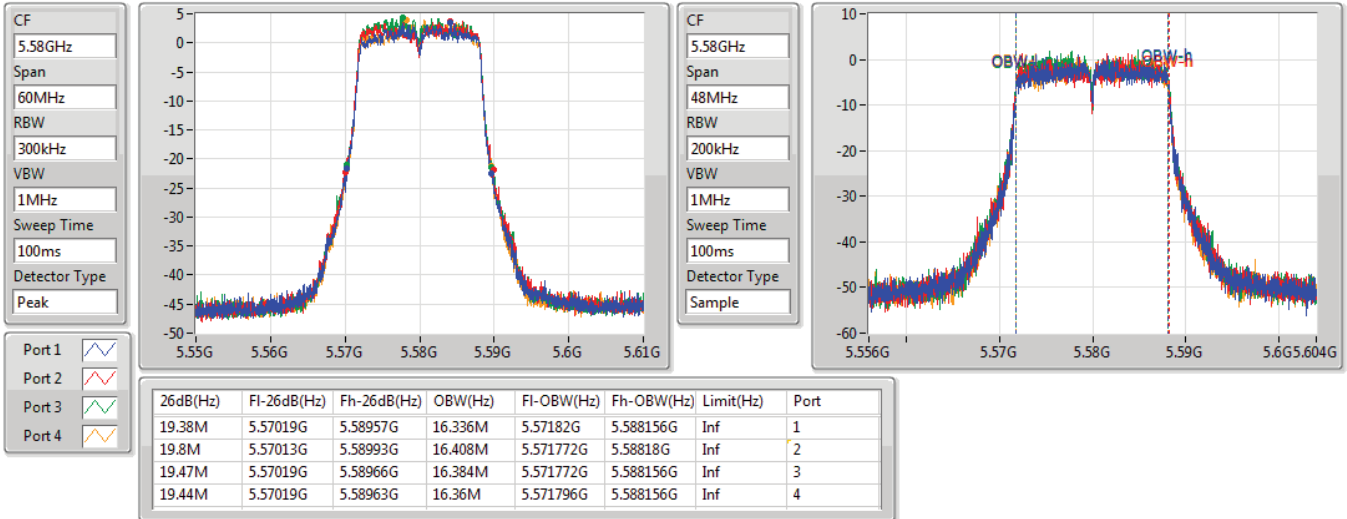


802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

02/04/2020

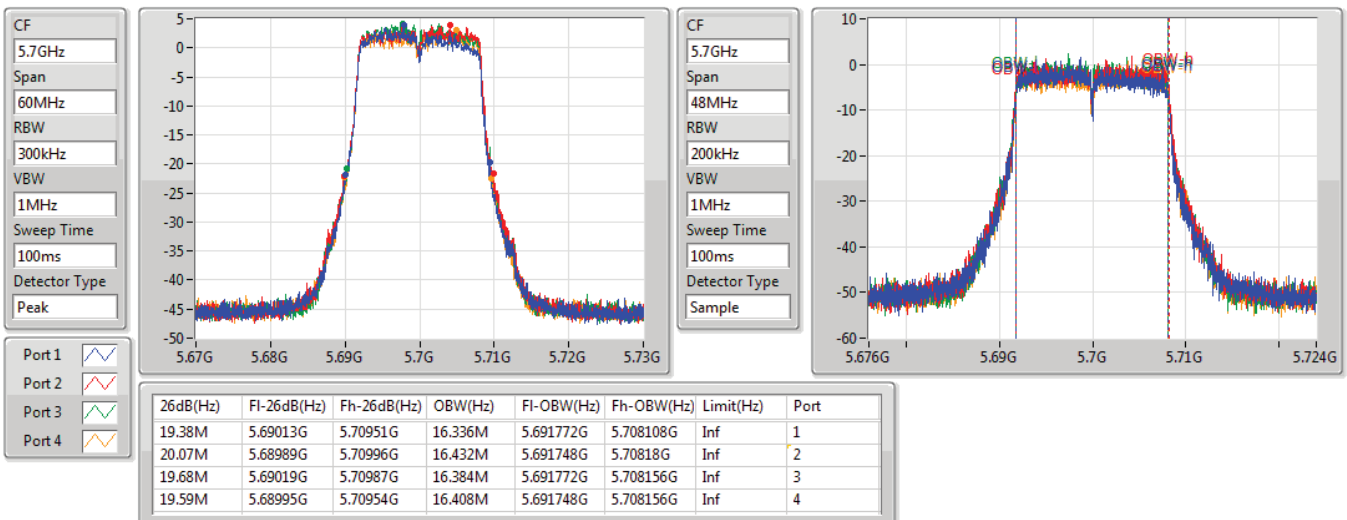


802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

02/04/2020

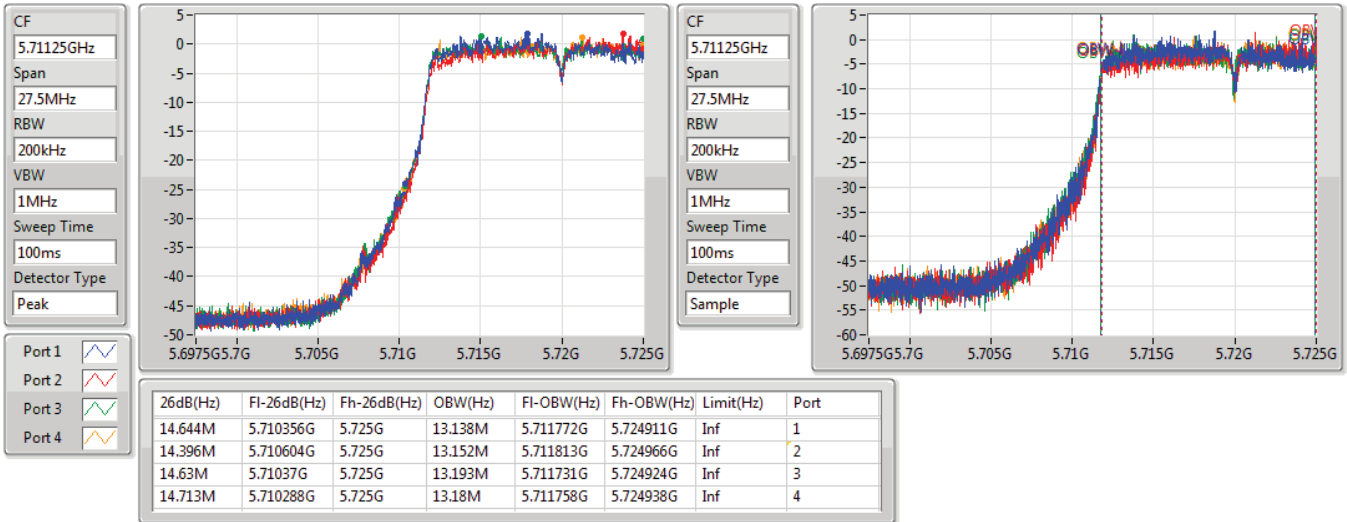


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

08/05/2020

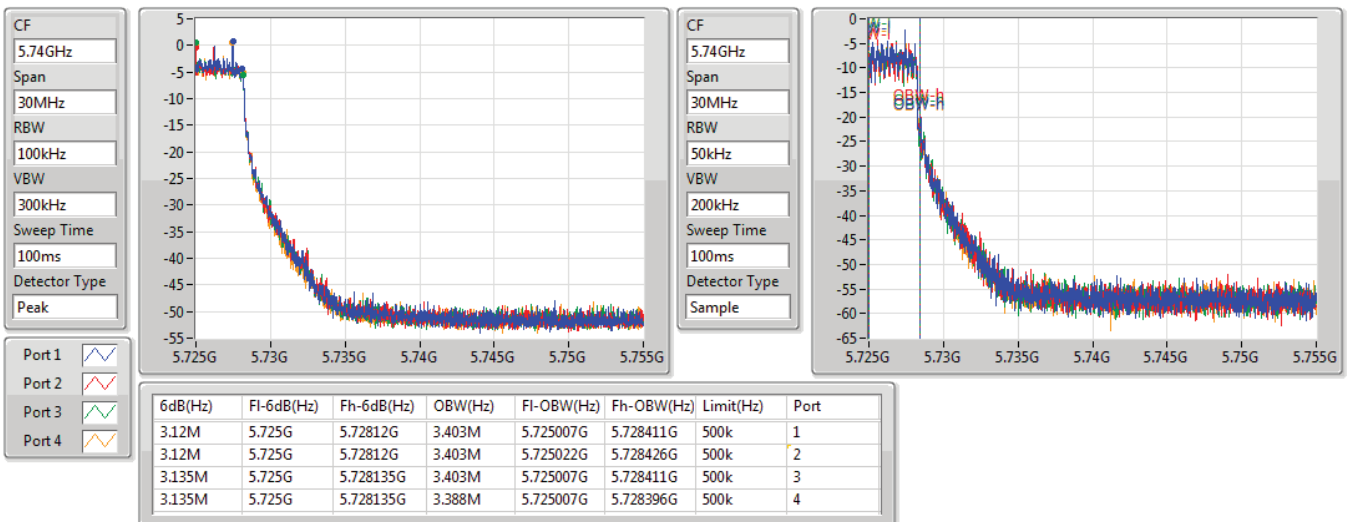


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

02/04/2020



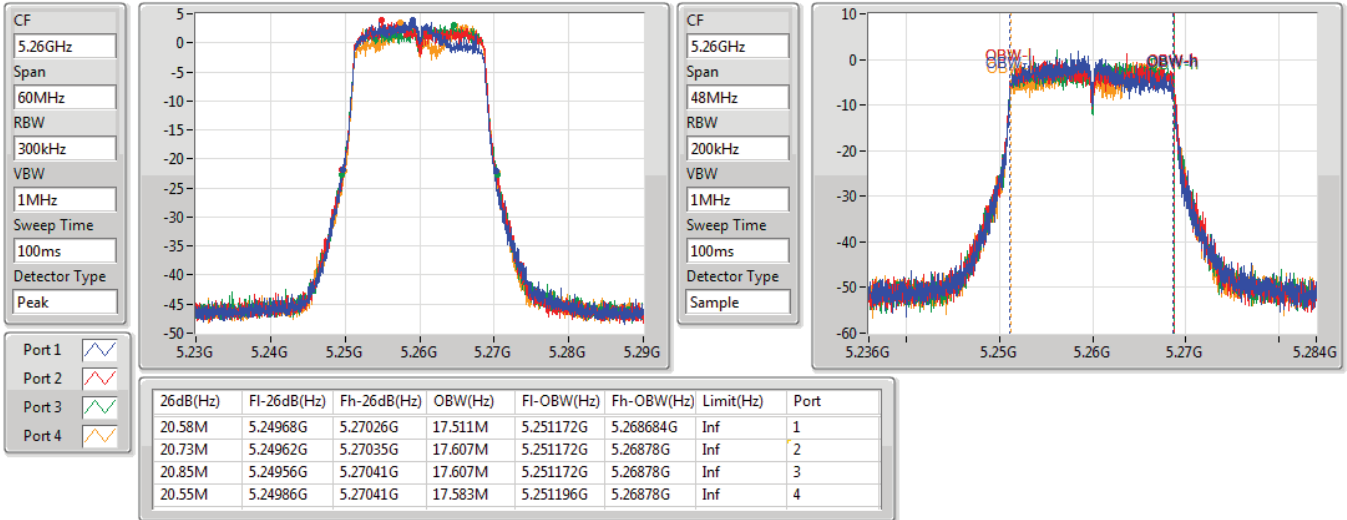


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5260MHz

03/04/2020

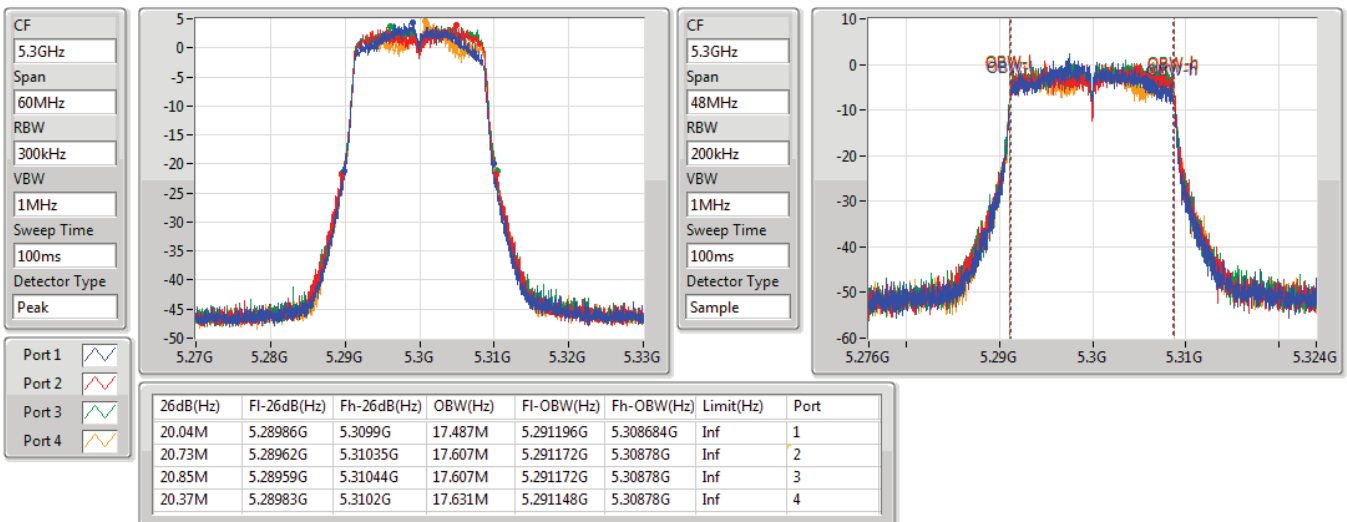


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5300MHz

03/04/2020



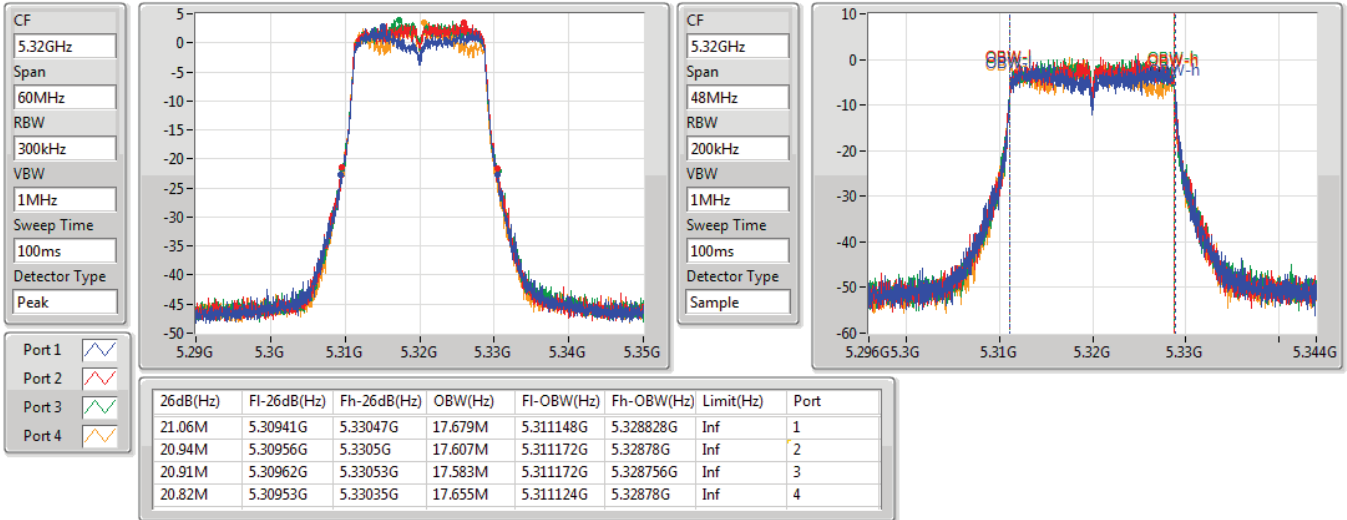


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5320MHz

03/04/2020

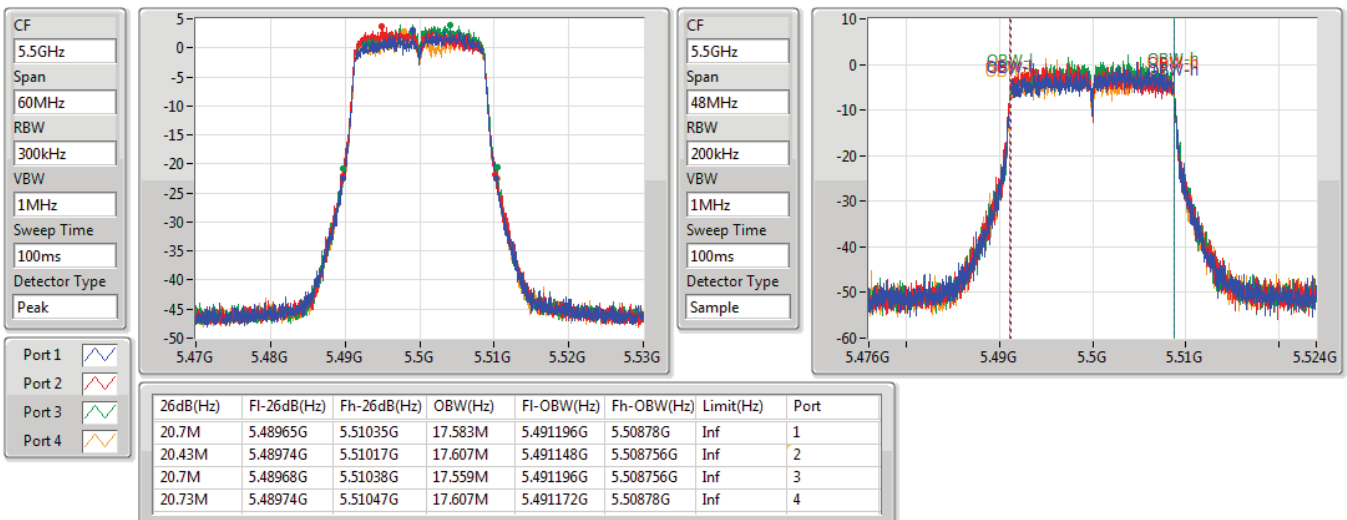


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5500MHz

03/04/2020

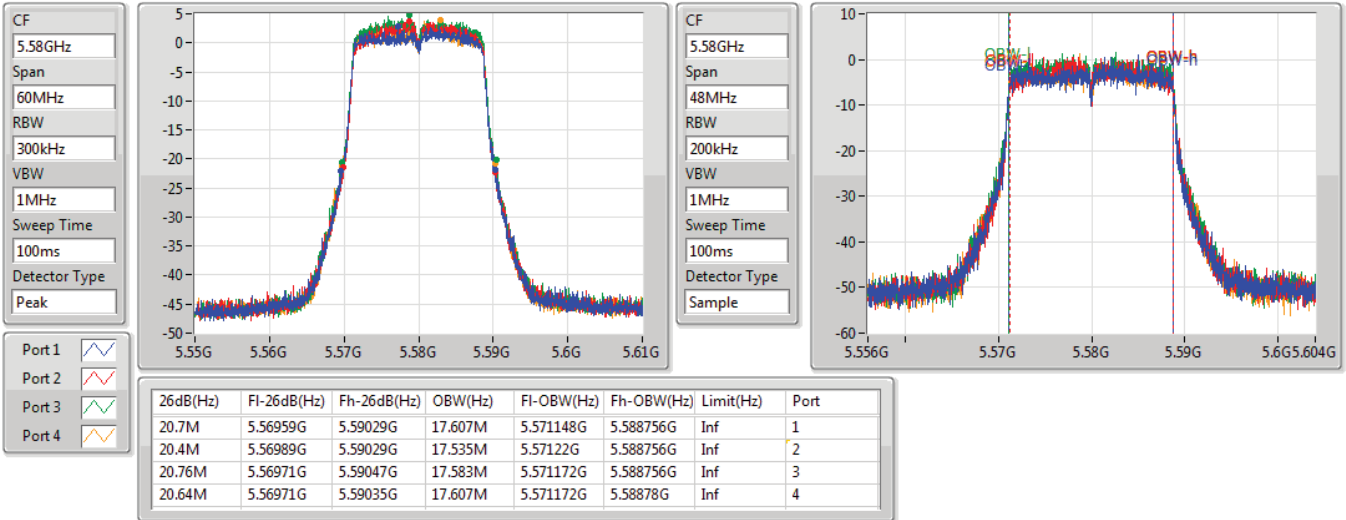


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5580MHz

03/04/2020

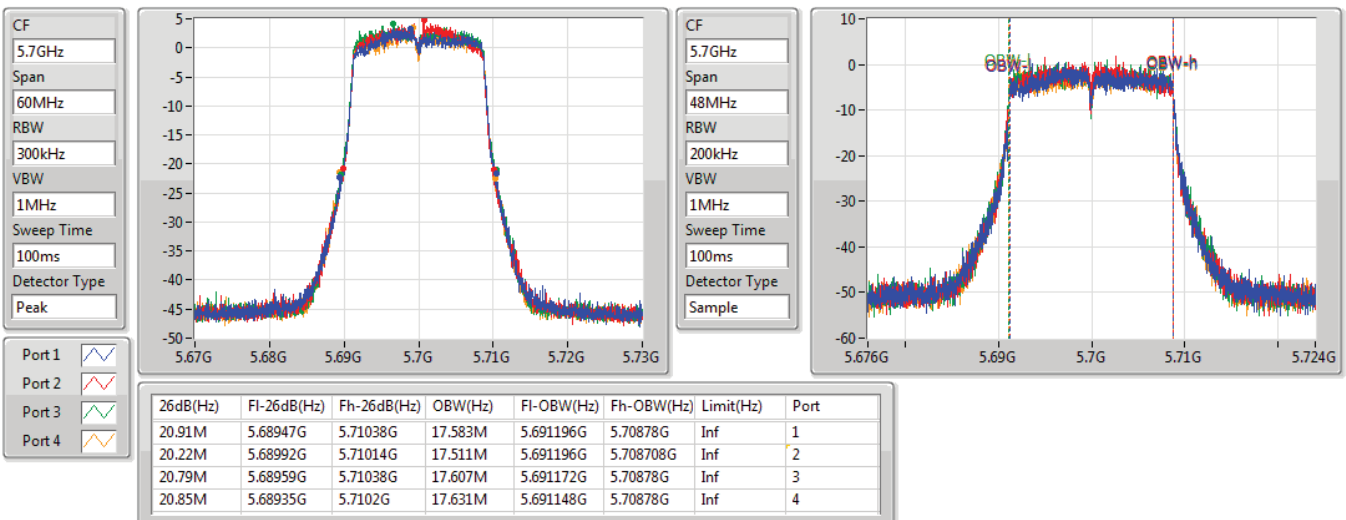


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5700MHz

03/04/2020



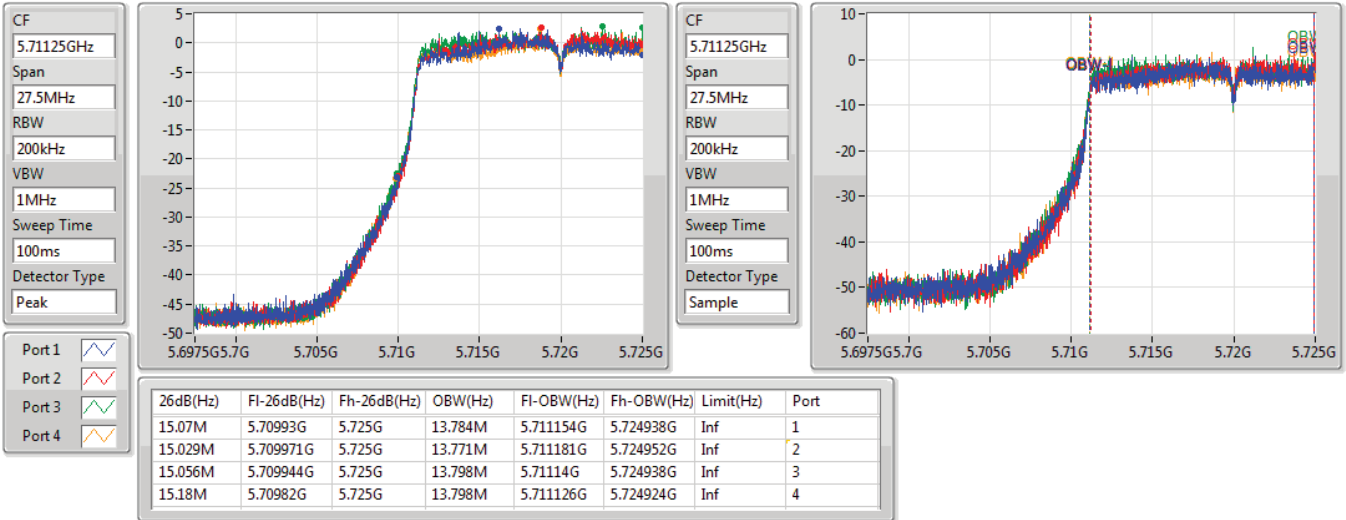


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/04/2020

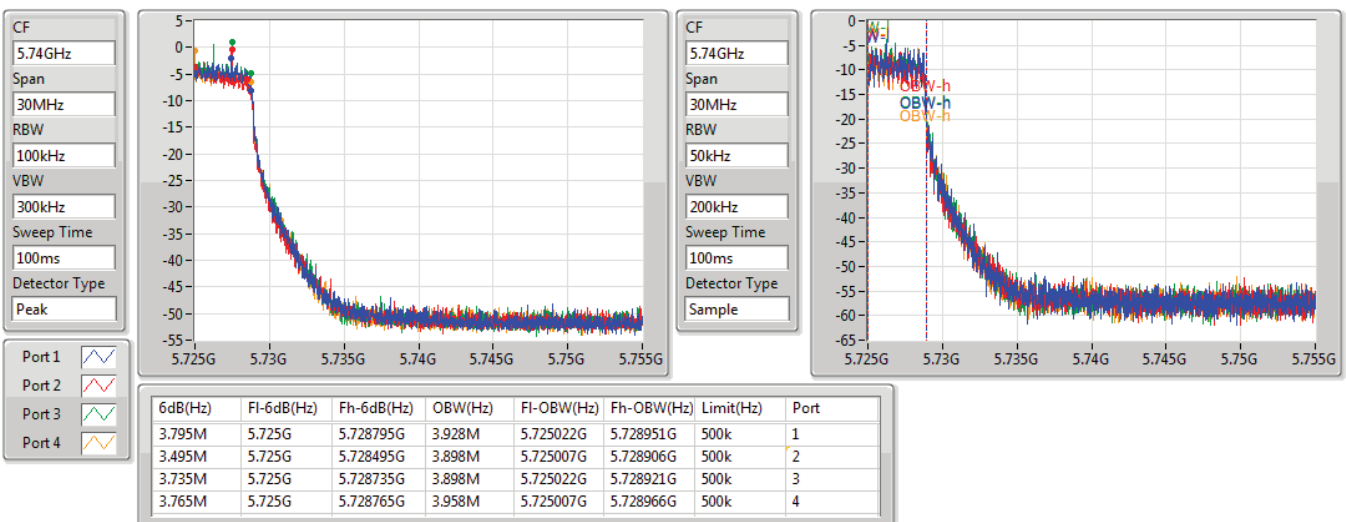


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/04/2020

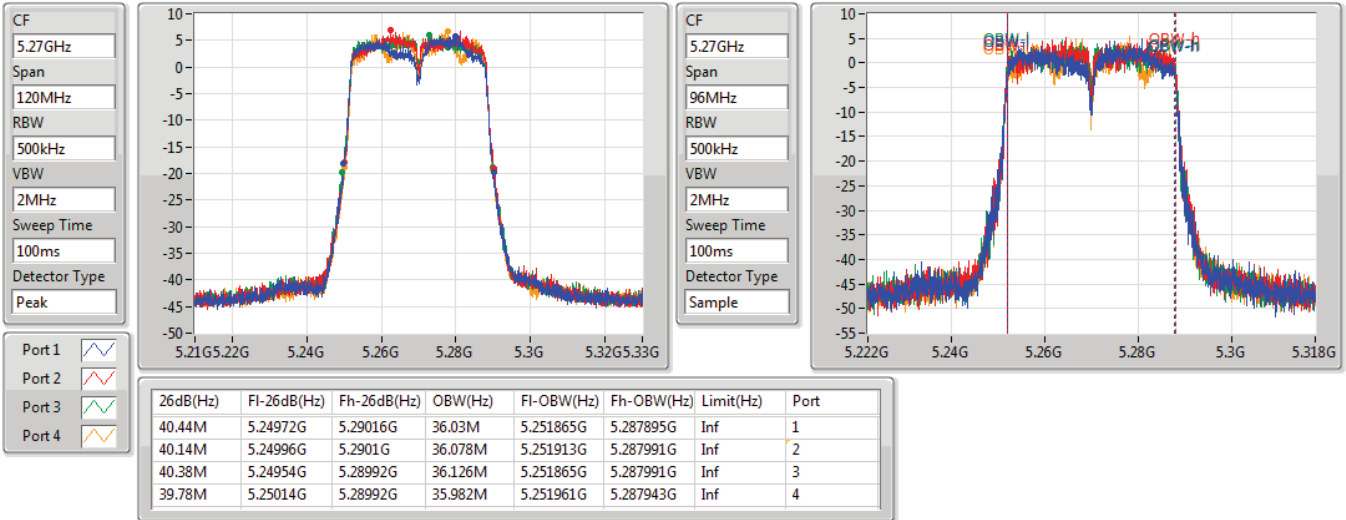


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5270MHz

03/04/2020

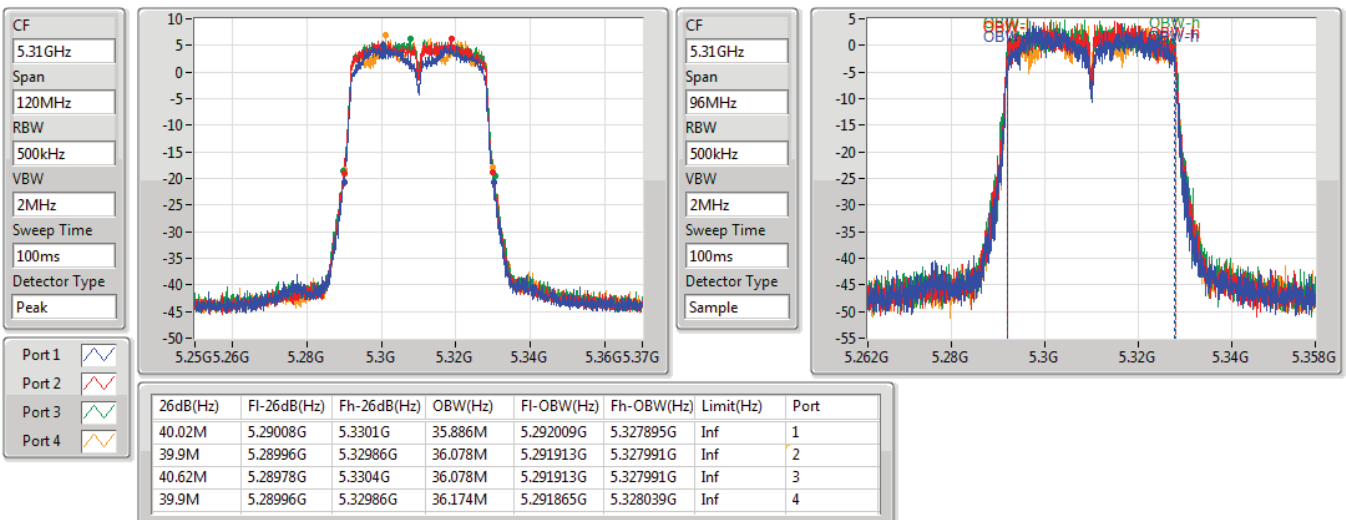


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5310MHz

03/04/2020

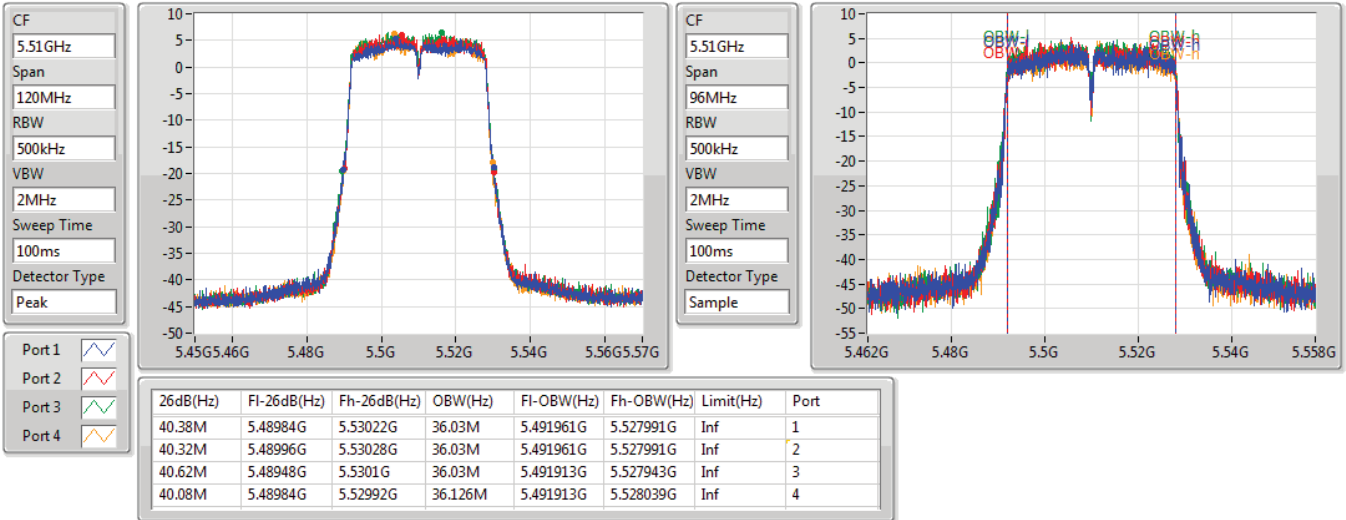


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5510MHz

03/04/2020

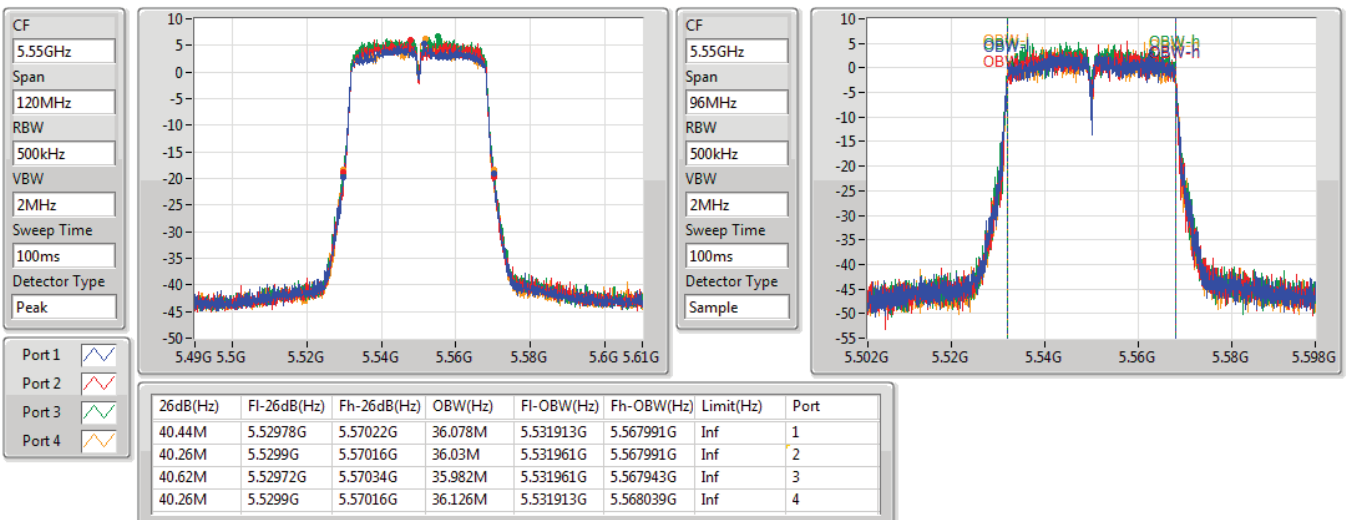


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5550MHz

03/04/2020



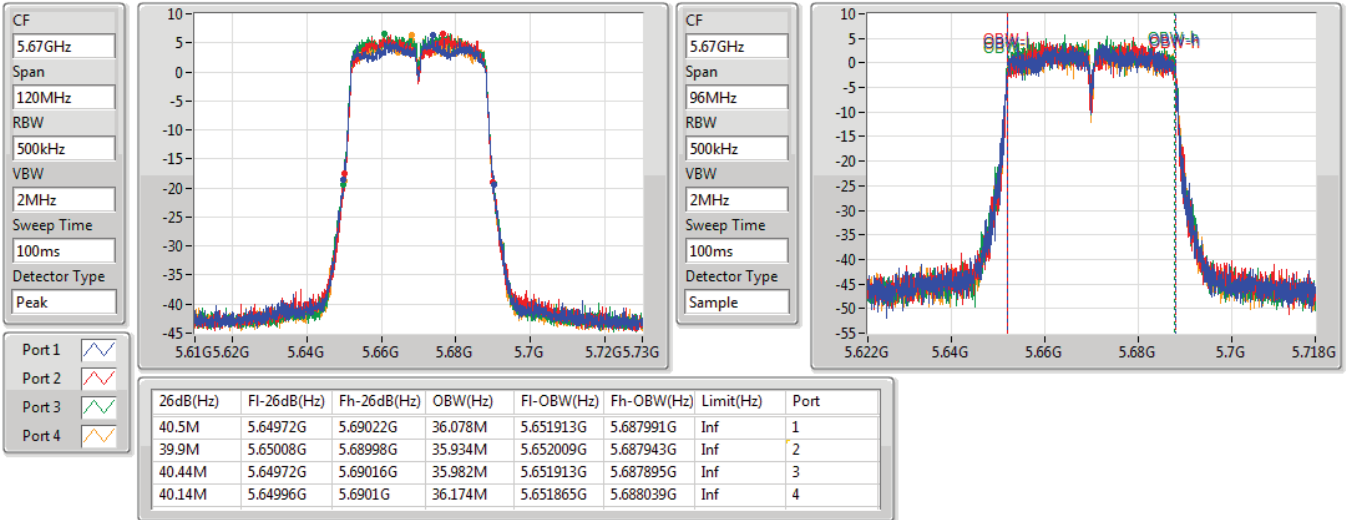


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5670MHz

03/04/2020

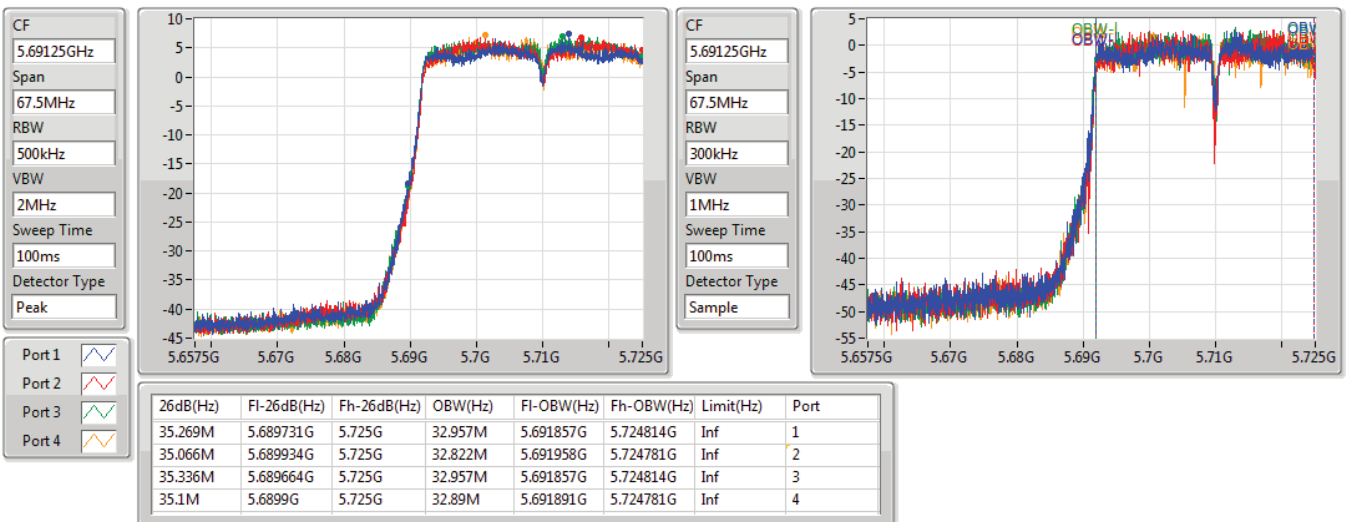


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

03/04/2020

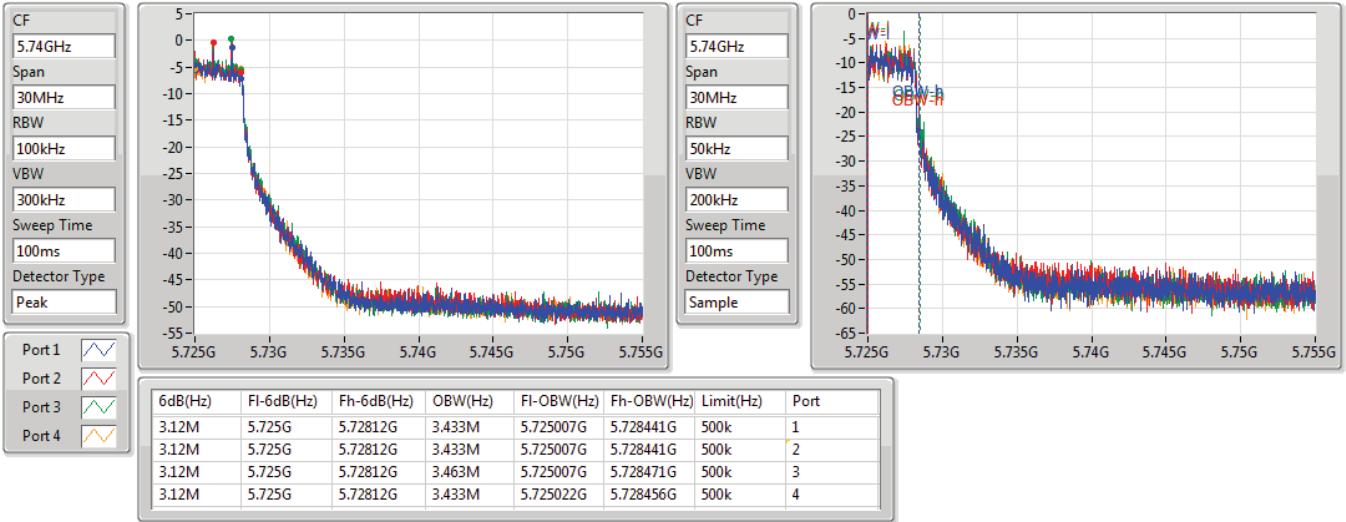


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/04/2020

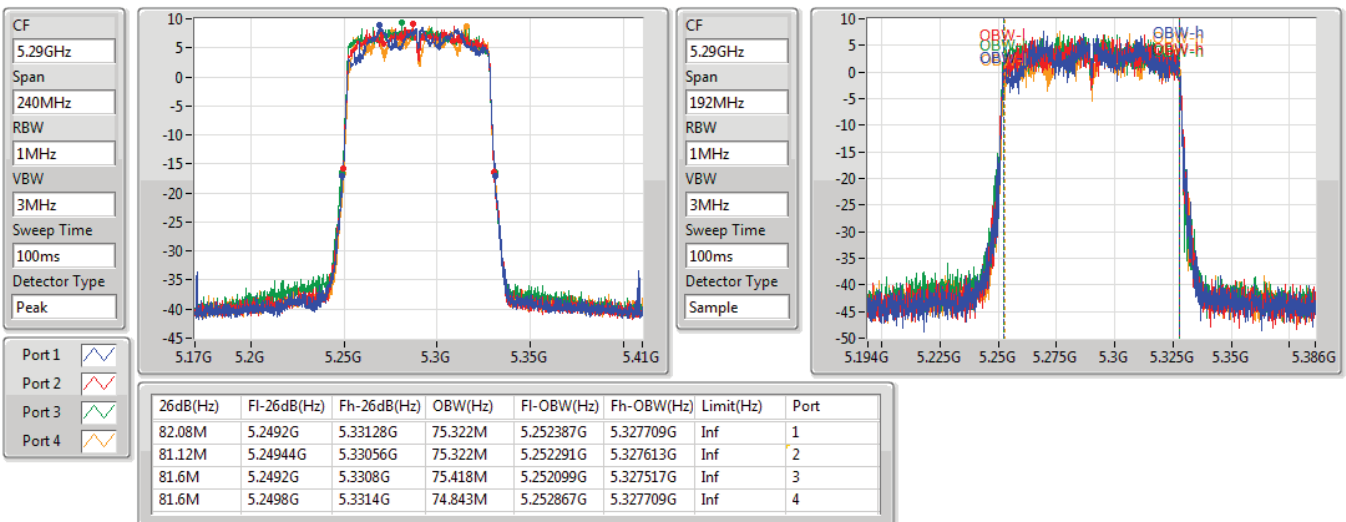


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5290MHz

03/04/2020

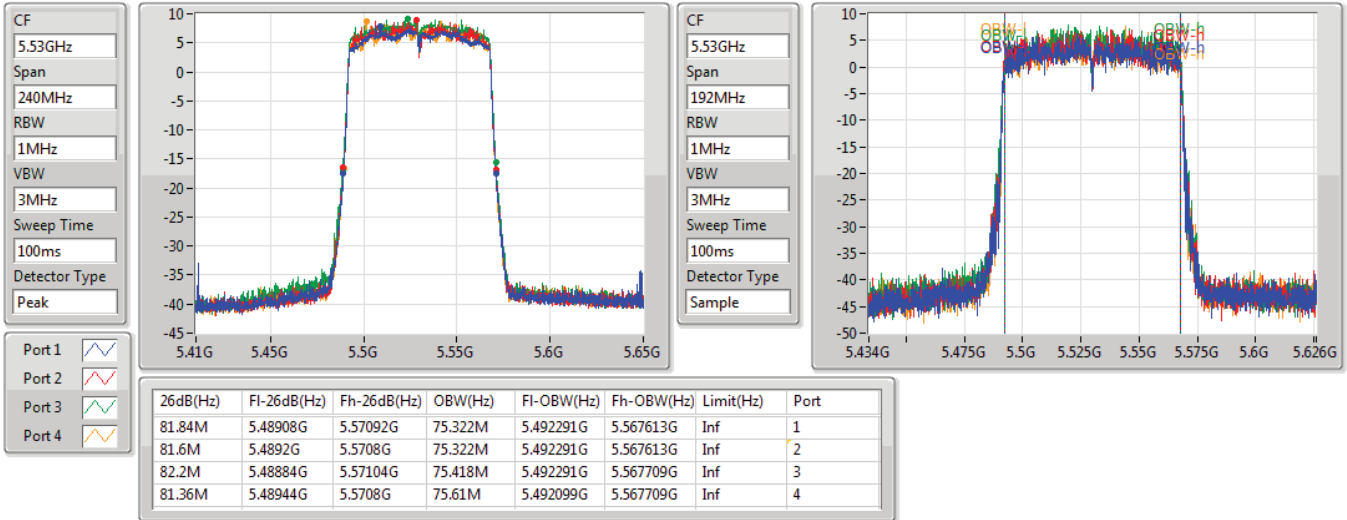


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5530MHz

03/04/2020

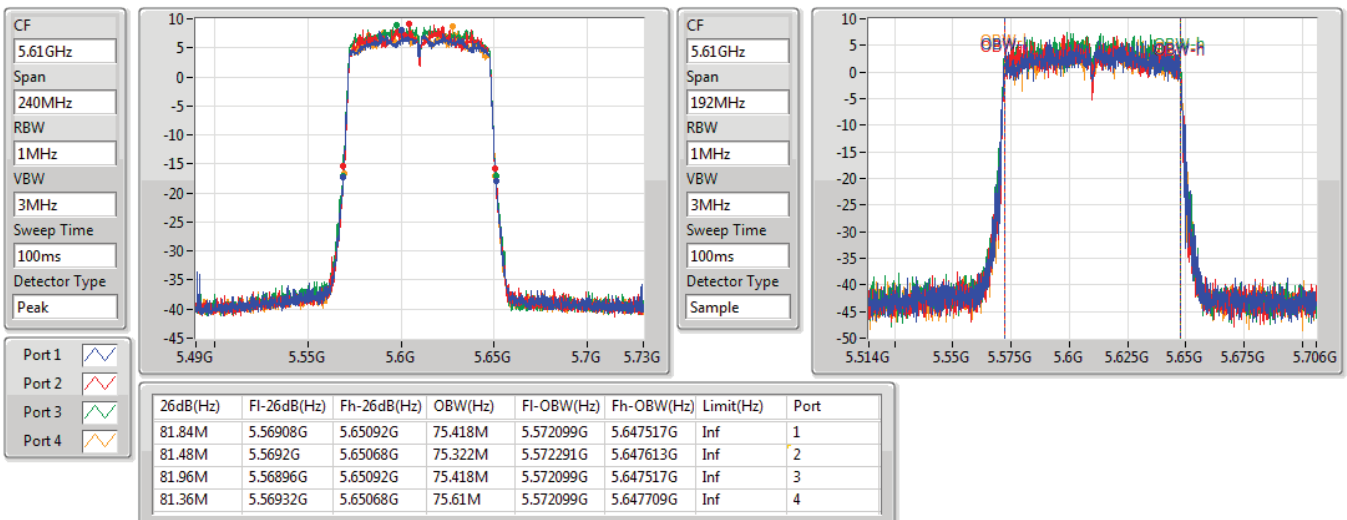


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5610MHz

03/04/2020



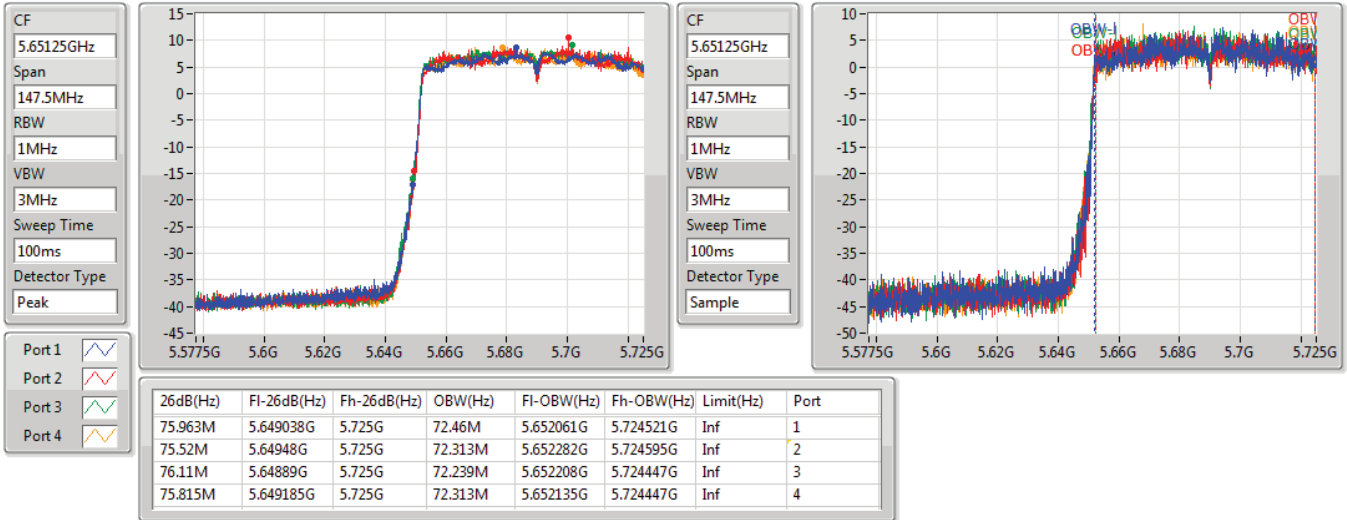


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

03/04/2020

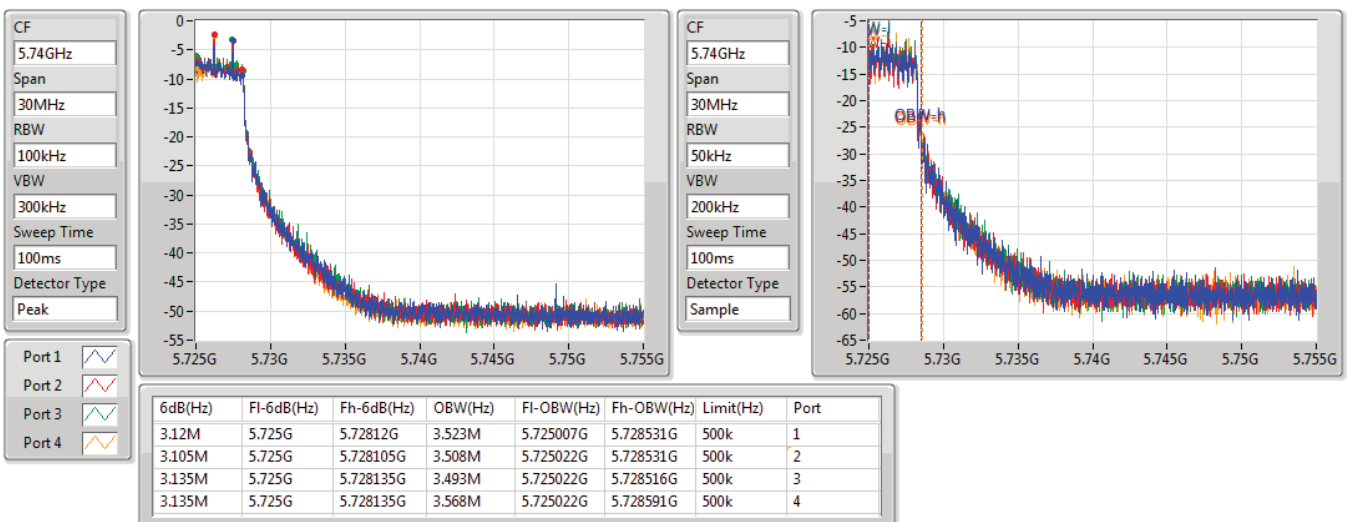


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

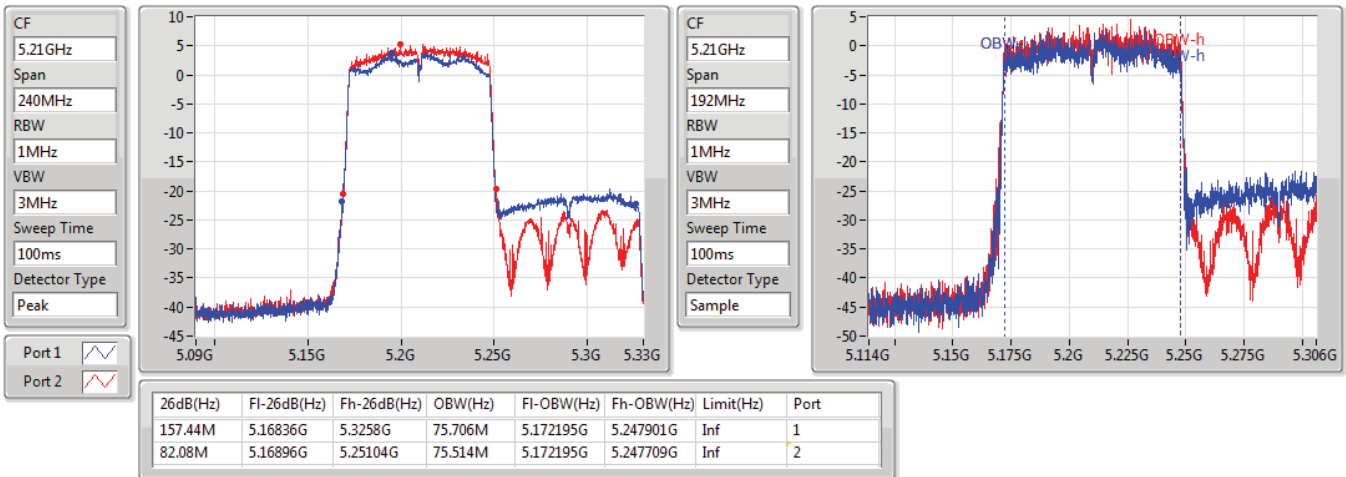
5690MHz Straddle 5.725-5.85GHz

03/04/2020

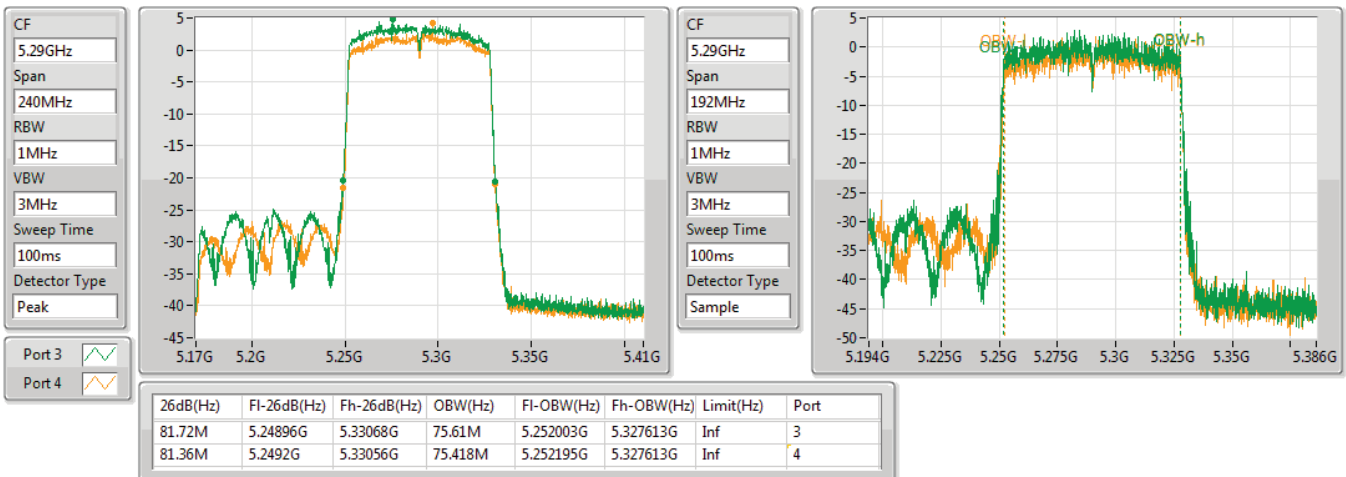


802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port1&Port2)
EBW
#5210MHz,5290MHz

15/04/2020


802.11ac VHT80+80_Nss1,(MCS0)_2TX(Port3&Port4)
EBW
5210MHz,#5290MHz

15/04/2020

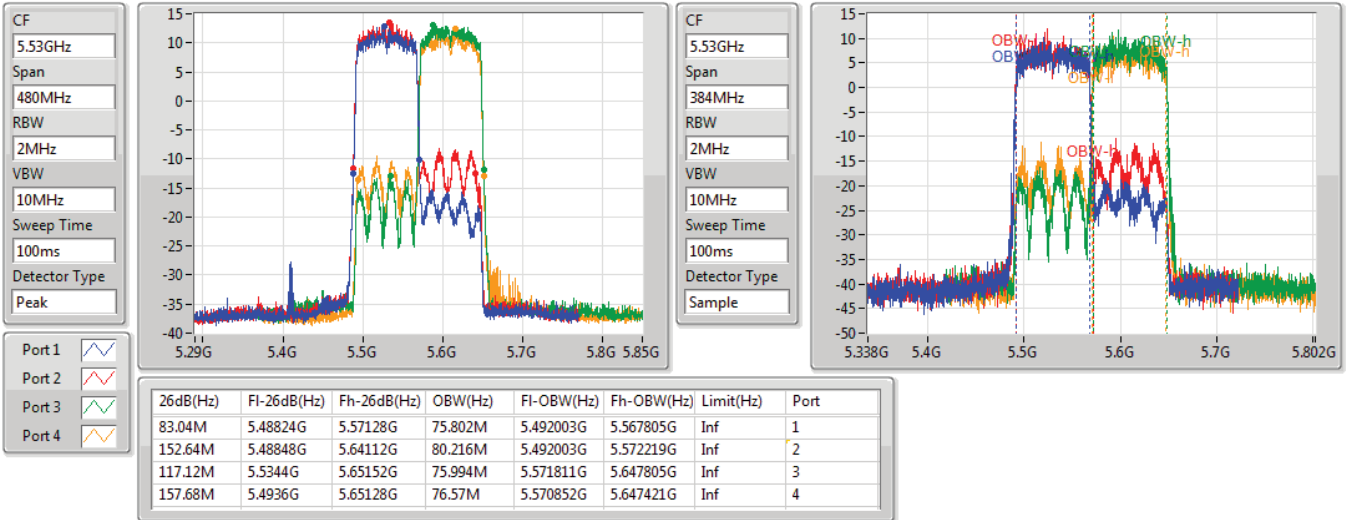


802.11ac VHT80+80_Nss1,(MCS0)_4TX

EBW

#5530MHz,#5610MHz

03/04/2020

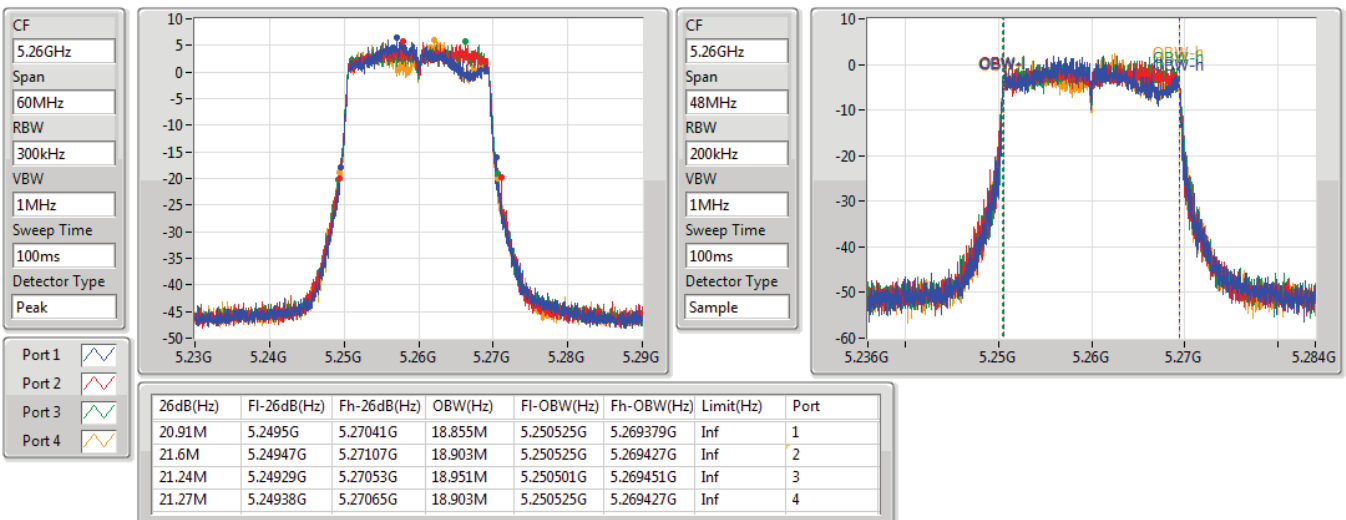


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

03/04/2020



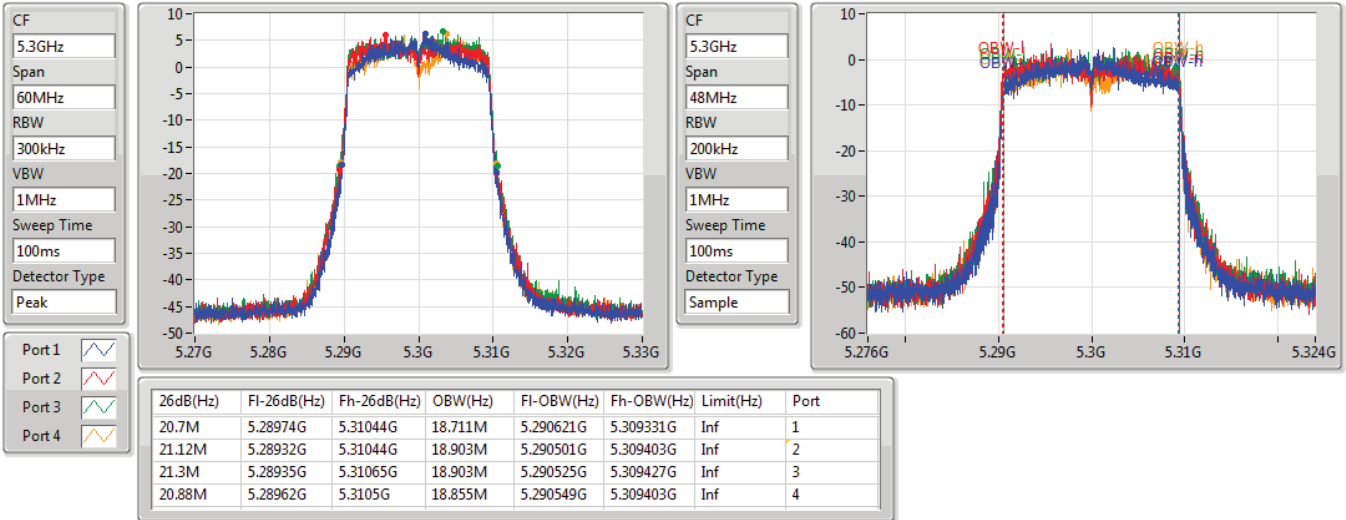


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

03/04/2020

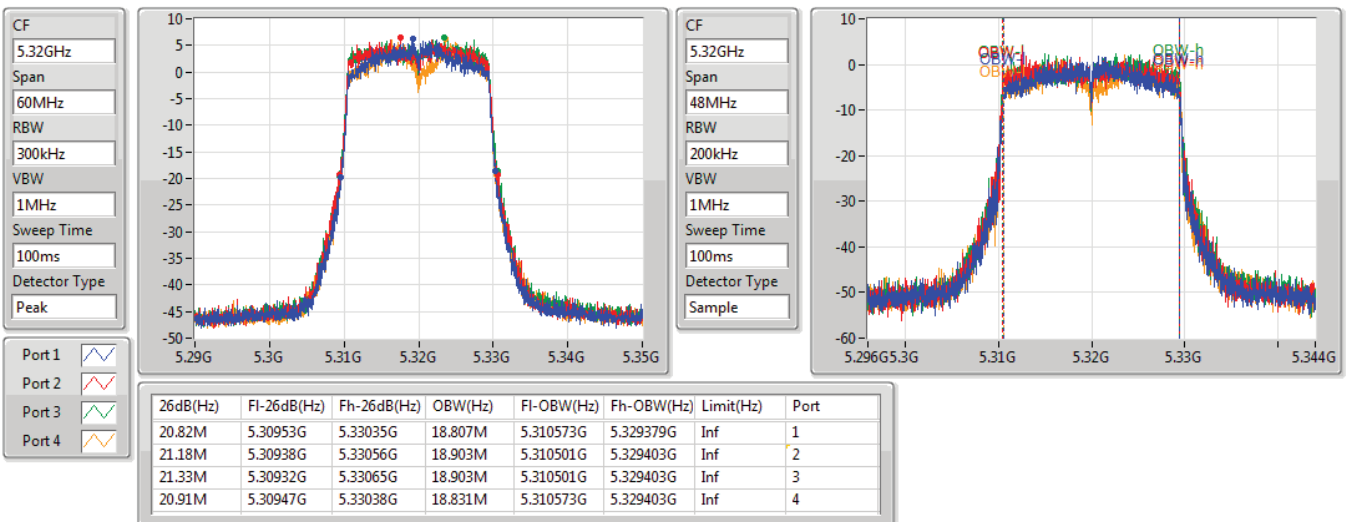


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

03/04/2020



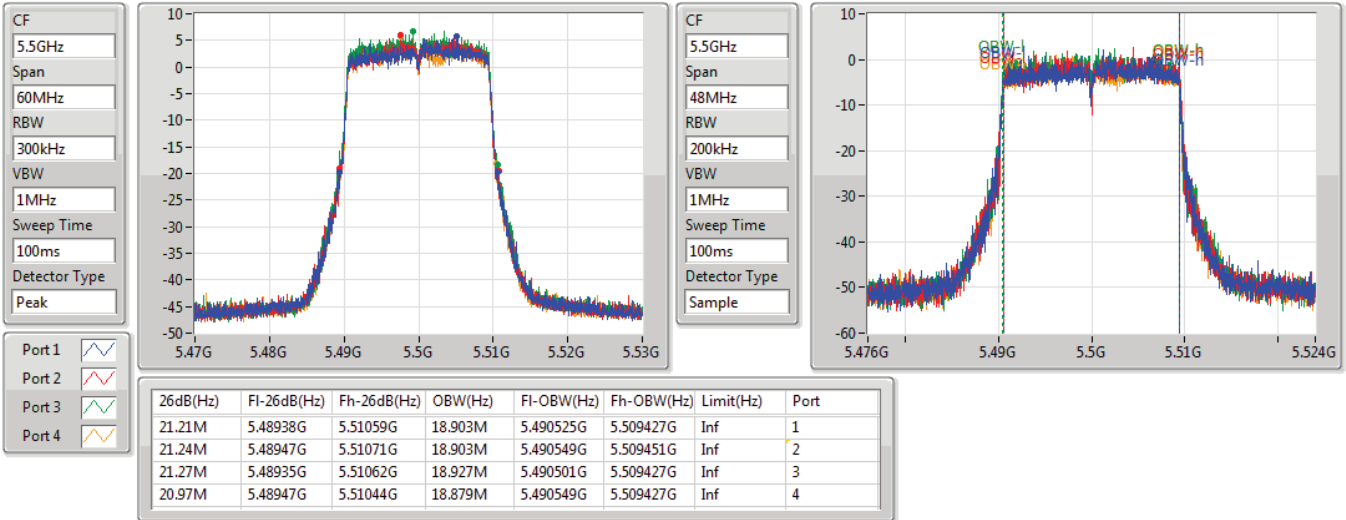


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

03/04/2020

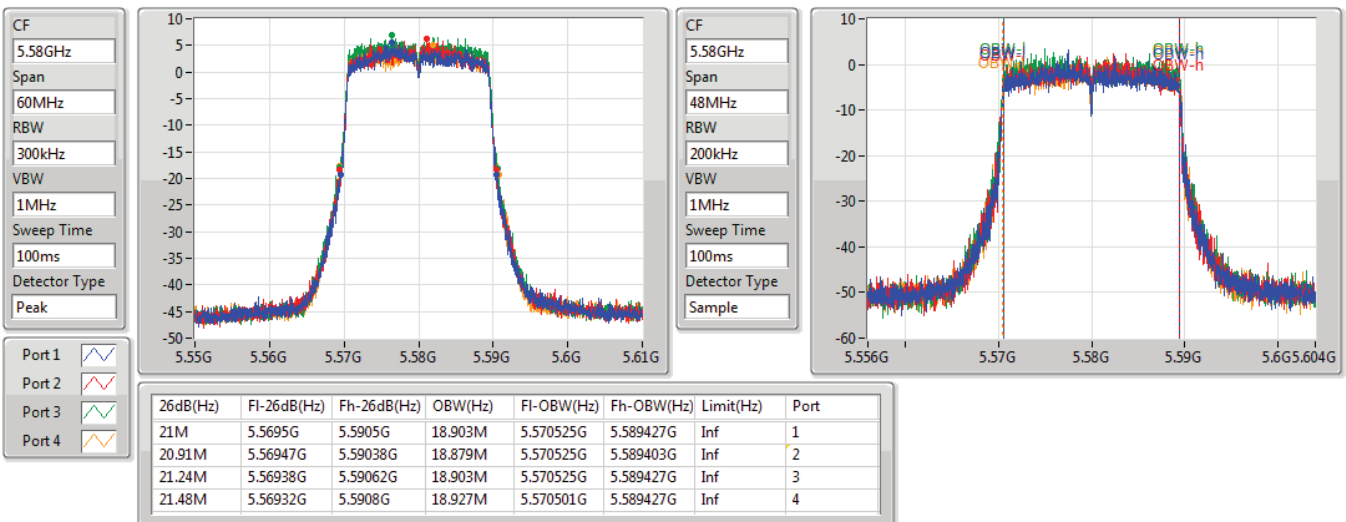


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

03/04/2020



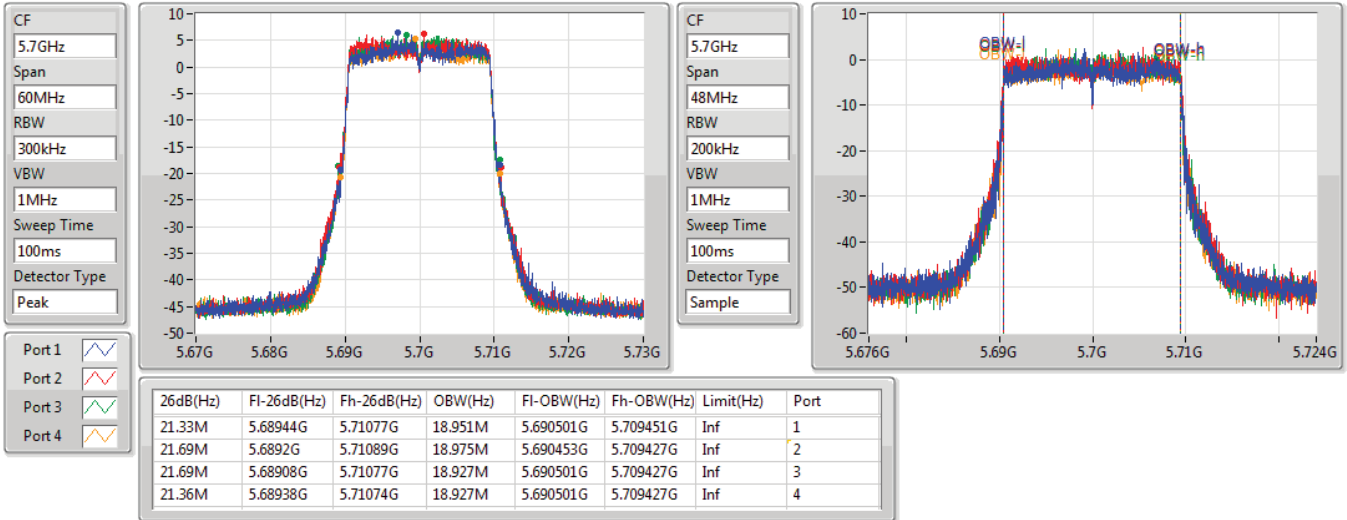


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

03/04/2020

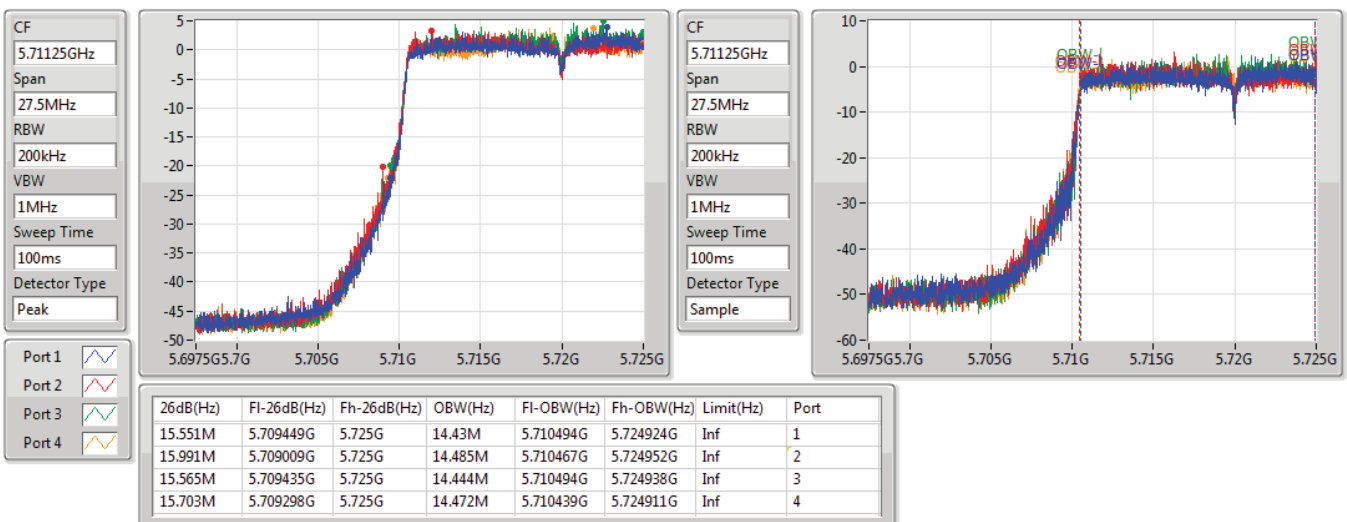


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/04/2020



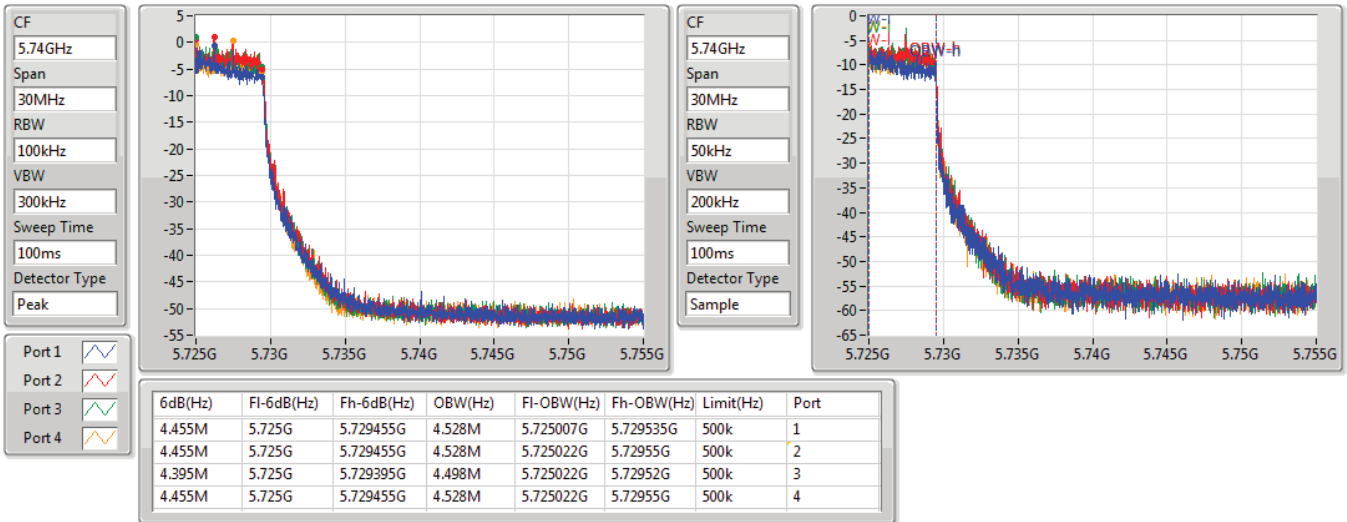


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/04/2020

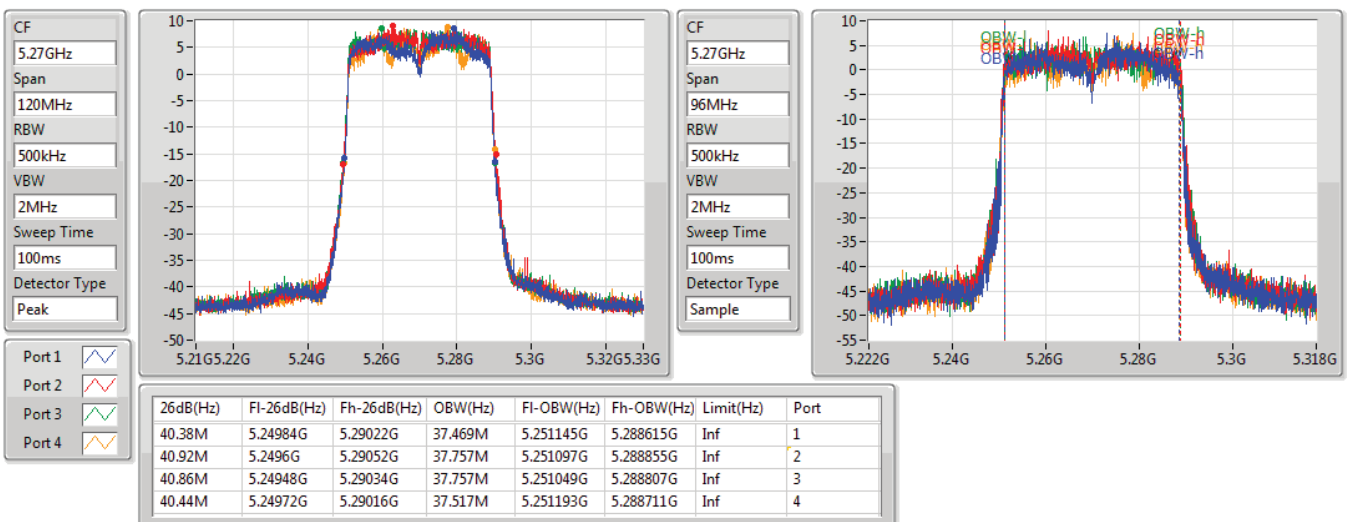


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

03/04/2020



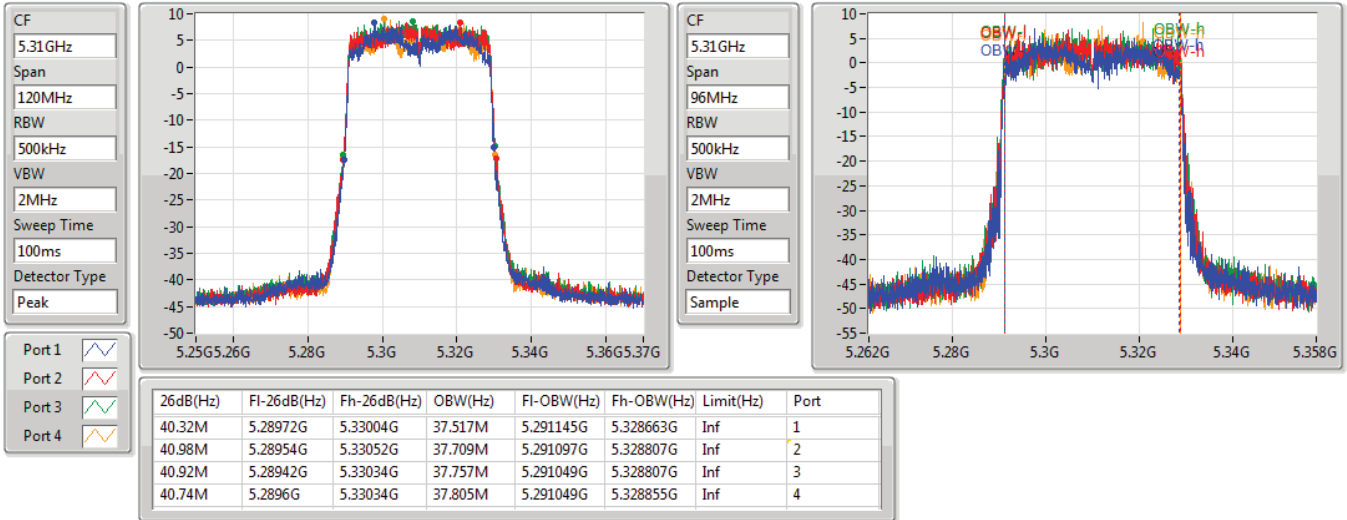


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

03/04/2020

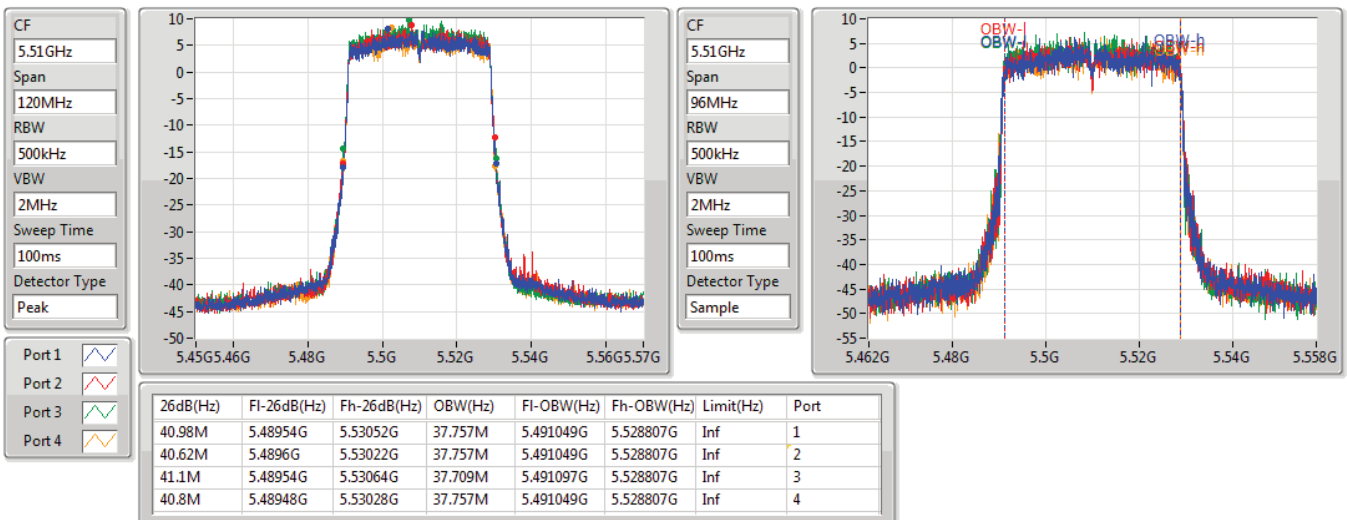


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

03/04/2020



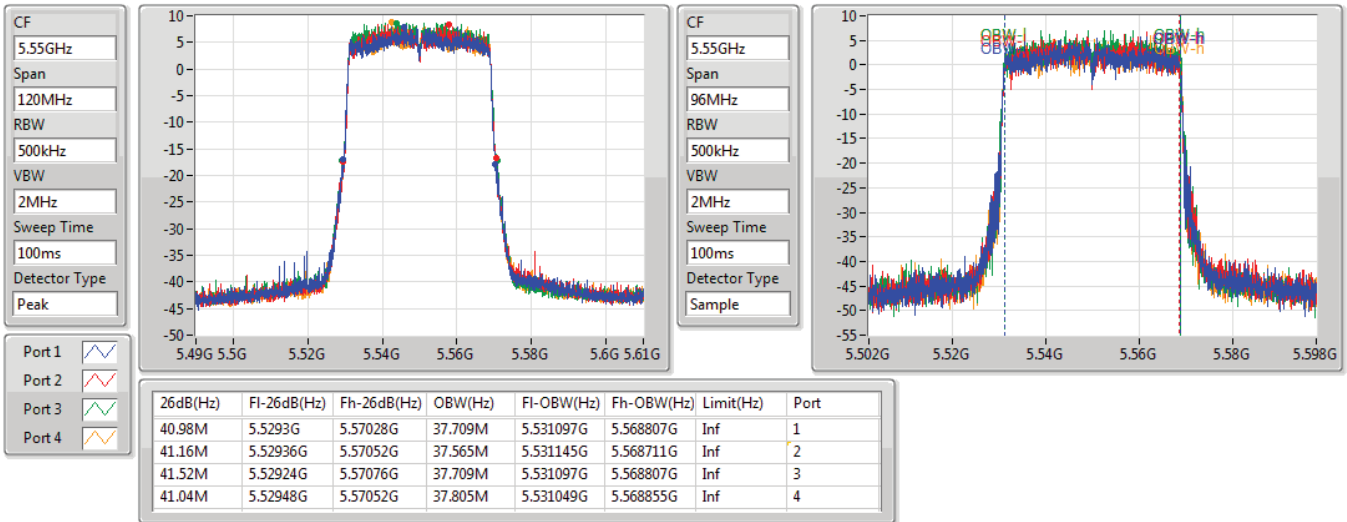


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

03/04/2020

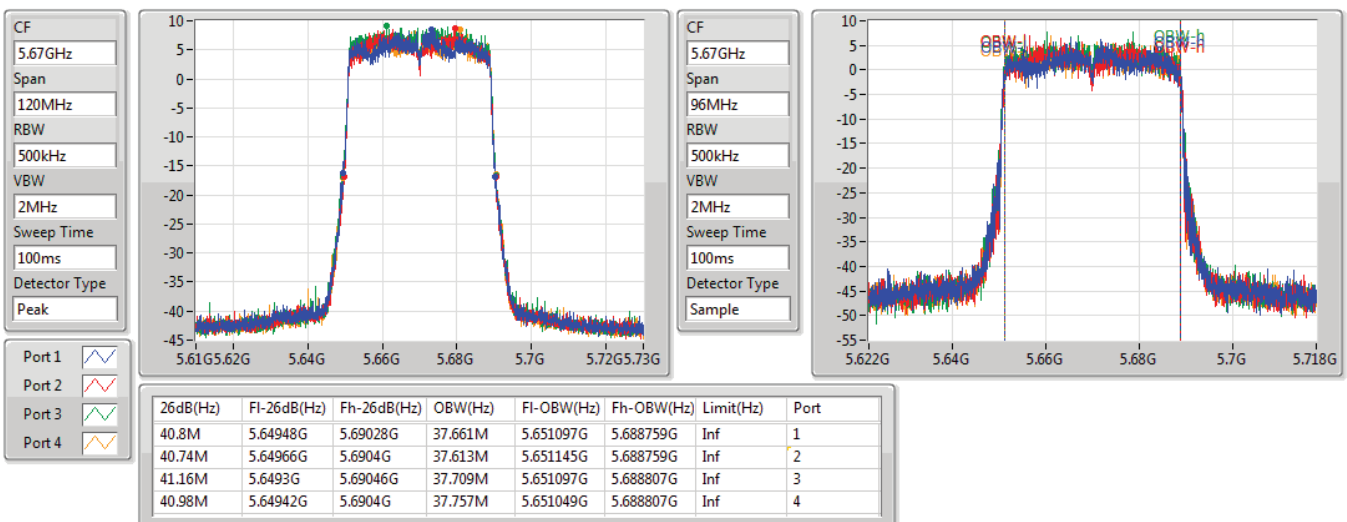


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

03/04/2020

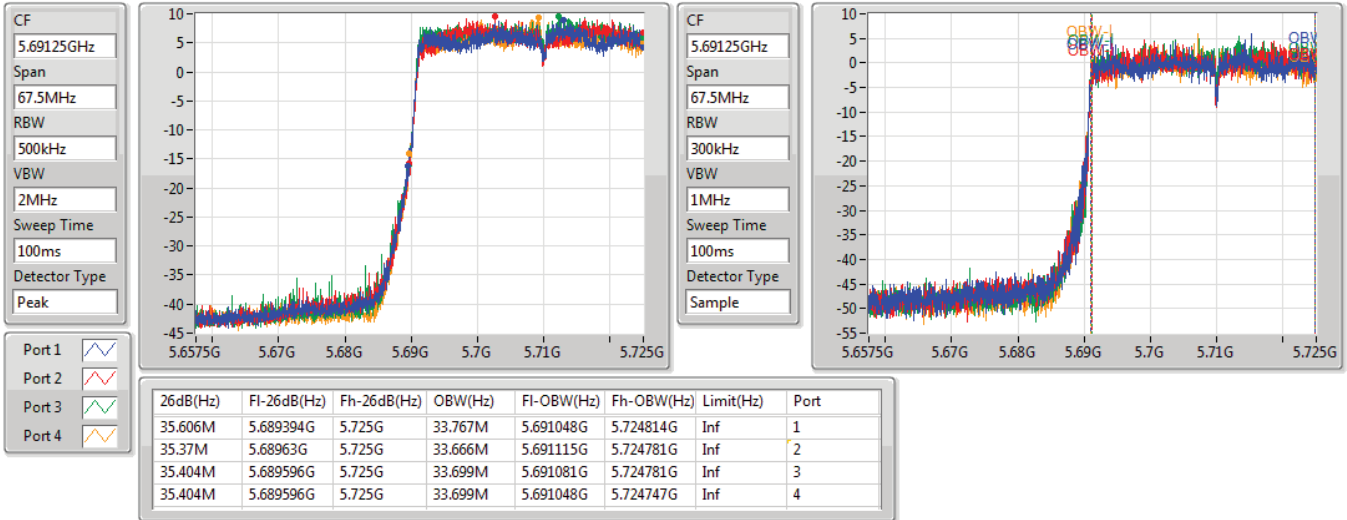


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

03/04/2020

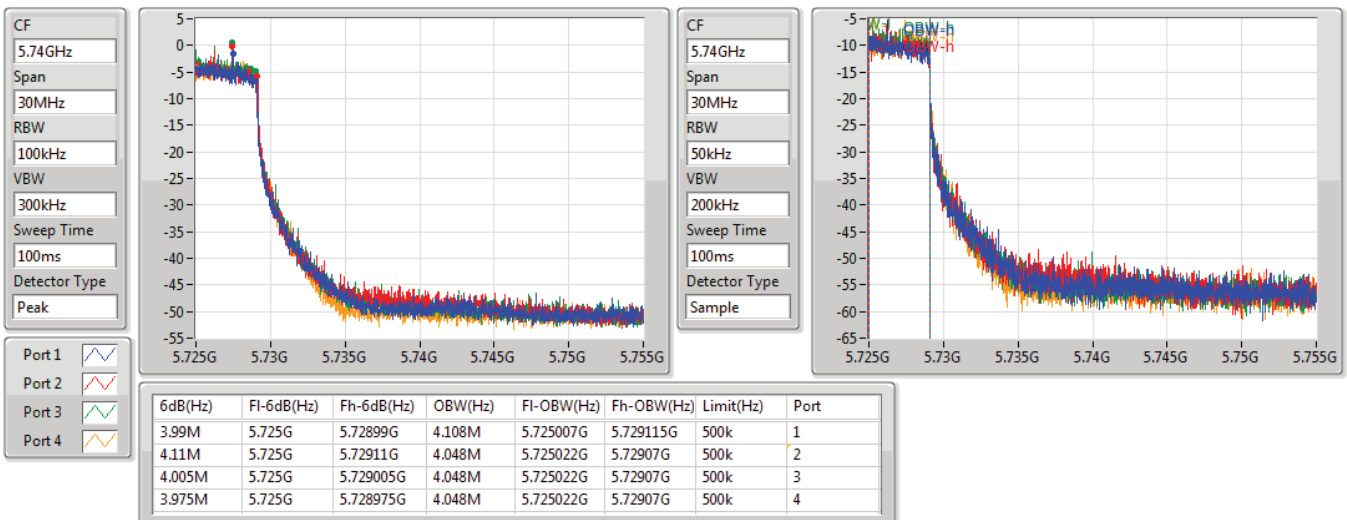


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/04/2020

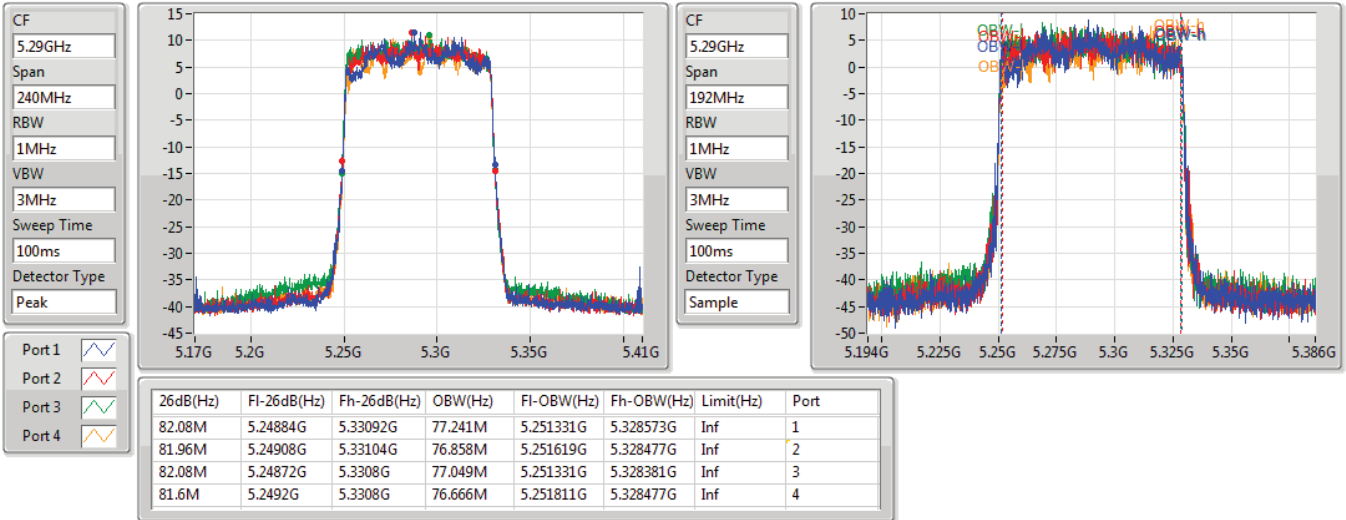


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

03/04/2020

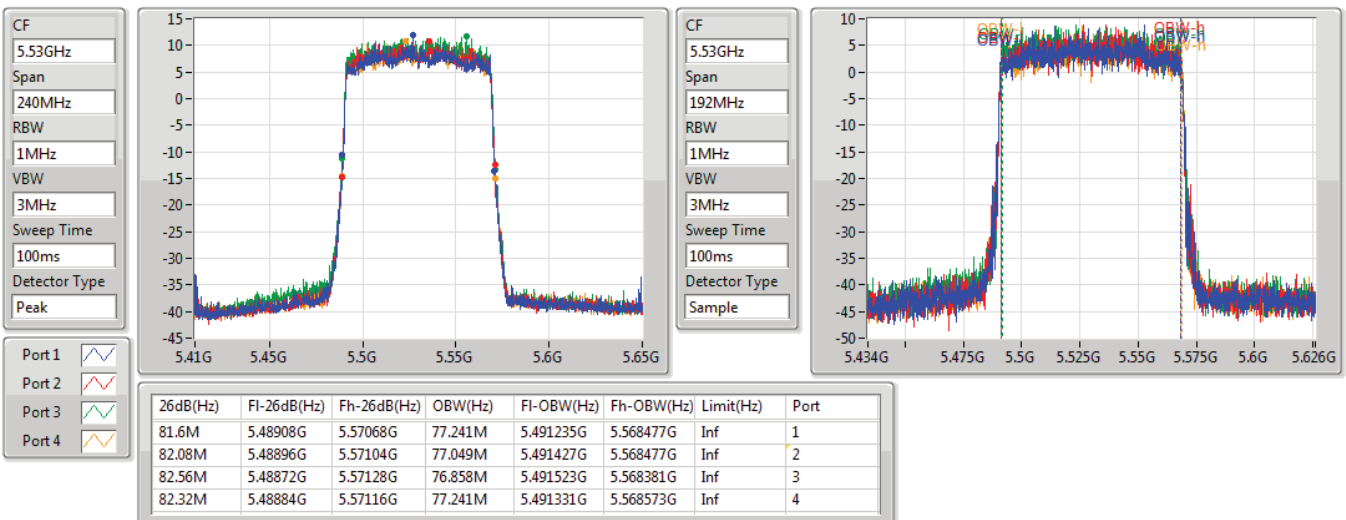


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

03/04/2020



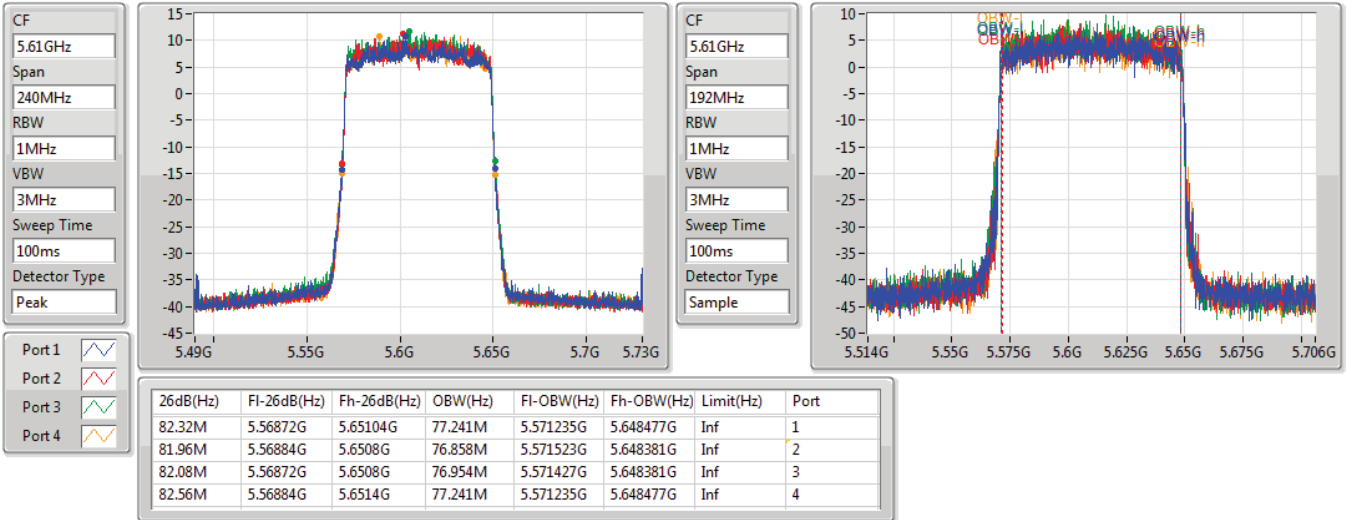


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

03/04/2020

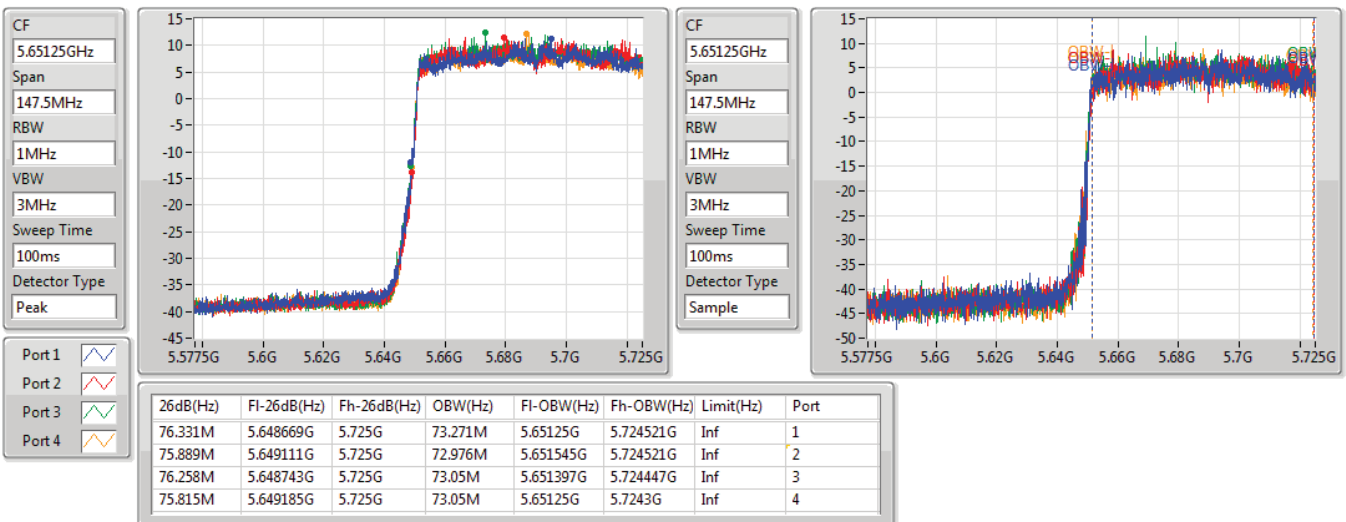


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

03/04/2020

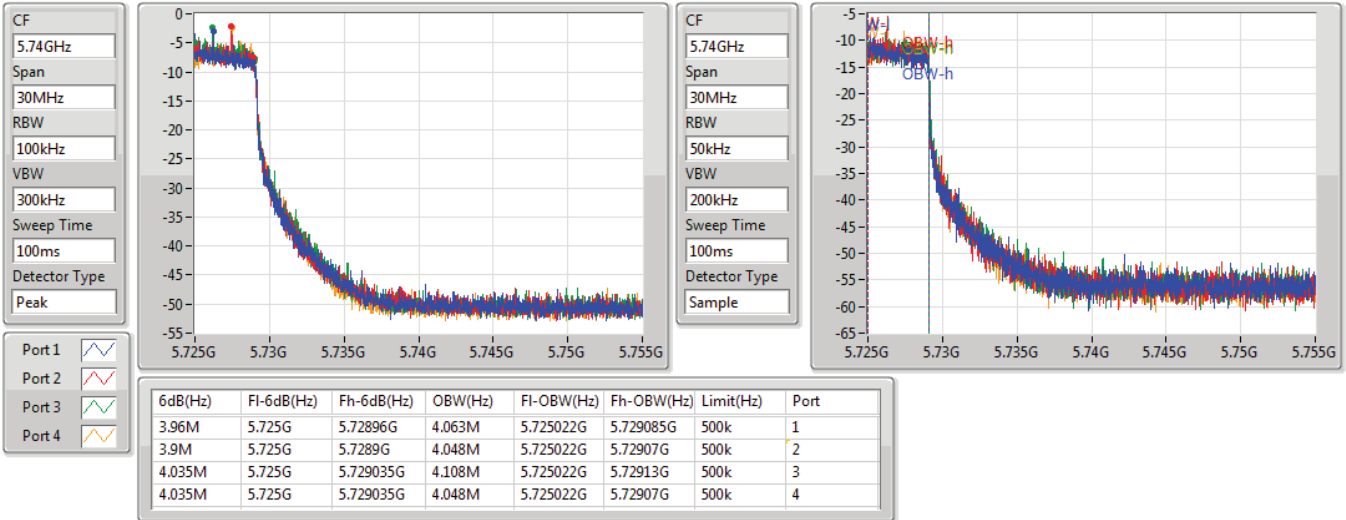


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

03/04/2020

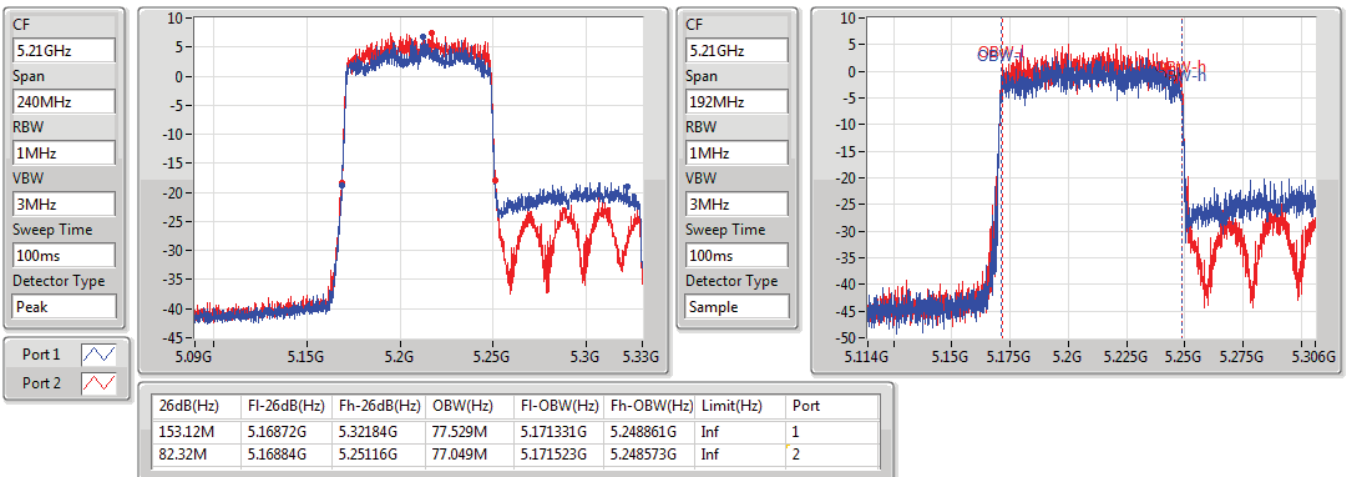


802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port1&Port2)

EBW

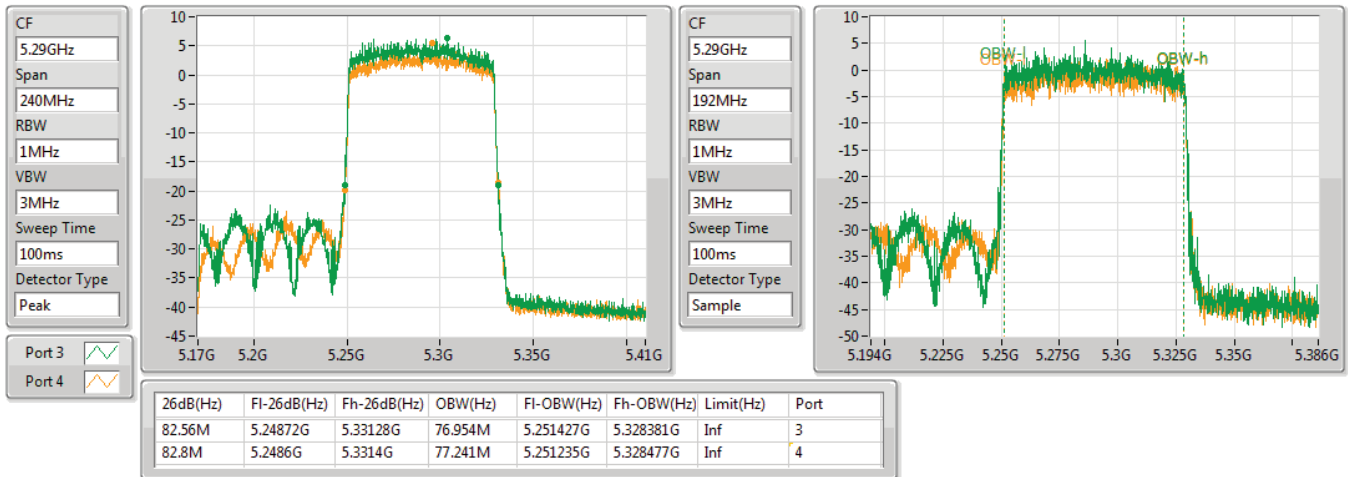
#5210MHz,5290MHz

15/04/2020



802.11ax HEW80+80_Nss1,(MCS0)_2TX(Port3&Port4)
EBW
5210MHz,#5290MHz

15/04/2020


802.11ax HEW80+80_Nss1,(MCS0)_4TX
EBW
#5530MHz,#5610MHz

03/04/2020

