FCC Radio Test Report

FCC ID	:	**TVE-4111BBE0671**
Equipment	:	**Secured Wireless Access Point**
Brand Name	:	**FORTINET**
Model Name	:	**FortiAP U432Fxxxxxx, FAP-U432Fxxxxxx, FORTIAP-U432Fxxxxxx (where "x" can be "A-Z", or "0-9", or "-", or blank for software purposes or marketing purposes only)**
Applicant	:	**Fortinet, Inc. 899 Kifer Road, Sunnyvale, CA 94086, USA**
Manufacturer	:	**Fortinet, Inc. 899 Kifer Road, Sunnyvale, CA 94086, USA**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Dec. 16, 2020, and testing was started from Dec. 24, 2020 and completed on Apr. 15, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR0D1422-01AN	01	Initial issue of report	Sep. 06, 2021

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
-	15.207	AC Power-line Conducted Emissions	Not Required	Refer as 1.1.6
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:
None

Reviewed by: Sam Tsai
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 (HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5250-5350	n (HT40), ac (VHT40) ,ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5250-5350	ac (VHT80) , ax (HEW80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160) ,ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]

Non-Beamforming_Radio 1

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11a	20	4TX
5.725-5.85GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT160	160	4TX

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

Non-Beamforming_Radio 2

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	802.11n HT20	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11n HT40	40	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 VHT160	160	4TX
5.25-5.35GHz	802.11ac VHT160	160	4TX
5.47-5.725GHz	802.11ac VHT160	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

Band	Mode	BWch (MHz)	Nant
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 HEW160	160	4TX
5.25-5.35GHz	802.11ax HEW160	160	4TX
5.47-5.725GHz	802.11ax HEW160	160	4TX

Non-Beamforming_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	802.11n HT20	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX

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

Beamforming_Radio 1

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

Beamforming_Radio 2

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.725-5.85GHz	802.11ax HEW20-BF	20	4TX
5.25-5.35GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.725-5.85GHz	802.11ax HEW40-BF	40	4TX
5.25-5.35GHz	802.11ax HEW80-BF	80	4TX
5.47-5.725GHz	802.11ax HEW80-BF	80	4TX
5.725-5.85GHz	802.11ax HEW80-BF	80	4TX
5.15-5.25GHz	802.11ax HEW160-BF	160	4TX
5.25-5.35GHz	802.11ax HEW160-BF	160	4TX
5.47-5.725GHz	802.11ax HEW160-BF	160	4TX

Beamforming_Radio 3

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

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

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80, VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40, HEW80, HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	SENAO	5718A0619300	Dipole	N-type
2	SENAO	5718A0619300	Dipole	N-type
3	SENAO	5718A0619300	Dipole	N-type
4	SENAO	5718A0619300	Dipole	N-type
5	SENAO	5718A0620300	Dipole	N-type
6	SENAO	5718A0620300	Dipole	N-type
7	SENAO	5718A0620300	Dipole	N-type
8	SENAO	5718A0620300	Dipole	N-type
9	SENAO	5718A0619300	Dipole	N-type
10	SENAO	5718A0619300	Dipole	N-type
11	SENAO	5718A0618300	Dipole	N-type

Radio	Ant.	Port	Antenna Gain (dBi)				Cable Loss Gain (dBi)			
			2.4G	5G	BT	Zigbee	2.4G	5G	BT	Zigbee
1	1	1	5.5	7.2	-	-	0.6	1	-	-
	2	2	5.5	7.2	-	-	0.6	1	-	-
	3	3	5.5	7.2	-	-	0.5	0.8	-	-
	4	4	5.5	7.2	-	-	0.4	0.7	-	-
2	5	1	-	6.3	-	-	-	1	-	-
	6	2	-	6.3	-	-	-	1.1	-	-
	7	3	-	6.3	-	-	-	0.9	-	-
	8	4	-	6.3	-	-	-	0.9	-	-
3	9	1	5.5	7.2	-	-	0.6	1	-	-
	10	2	5.5	7.2	-	-	0.6	1	-	-

Radio	Ant.	Port	Antenna Gain (dBi)				Cable Loss Gain (dBi)			
			2.4G	5G	BT	Zigbee	2.4G	5G	BT	Zigbee
BT+Zigbee	11	1	-	-	4.5	4.5	-	-	0.5	0.5

Note 1: The EUT has eleven antennas.

For 2.4GHz function:

Radio 1

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

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

Radio 3

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

Ant. 9 (port 1) and Ant. 10 (port 2) could transmit/receive simultaneously.

For 5GHz function:

Radio 1

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

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

Radio 2

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

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

Radio 3

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

Ant. 9 (port 1) and Ant. 10 (port 2) could transmit/receive simultaneously.

For Bluetooth function:

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

Only Ant. 11 (port 1) could transmit/receive.

For Zigbee function:

For Zigbee mode (1TX/1RX)

Only Ant. 11 (port 1) could transmit/receive.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From PoE			
EUT Function	☐	Outdoor AP	☒	Indoor AP
	☐	Fixed P2P AP	☐	Indoor Client
Beamforming Function	☒	With beamforming	☐	Without beamforming
TPC Function	☒	With TPC Function	☐	Without TPC Function
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz

Type of EUT		
☒	Stand-alone	
☐	Combined (EUT where the radio part is fully integrated within another device)	
	Combined Equipment - Brand Name / Model No.:	…
☐	Plug-in radio (EUT intended for a variety of host systems)	
	Host System - Brand Name / Model No.:	
☐	Other:	

1.1.4 Mode Test Duty Cycle

Non-Beamforming_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.952	0.21	2.065m	1k
802.11n HT20_Nss1,(MCS0)_4TX	0.95	0.22	1.921m	1k
802.11n HT40_Nss1,(MCS0)_4TX	0.906	0.43	945u	3k
802.11ac VHT20_Nss1,(MCS0)_4TX	0.985	0.07	1.929m	10
802.11ac VHT40_Nss1,(MCS0)_4TX	0.97	0.13	953.125u	3k
802.11ac VHT80_Nss1,(MCS0)_4TX	0.941	0.26	461.25u	3k
802.11ac VHT160_Nss1,(MCS0)_4TX	0.897	0.47	253.125u	10k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.98	0.09	1.488m	1k
802.11ax HEW40_Nss1,(MCS0)_4TX	0.962	0.17	773.125u	3k
802.11ax HEW80_Nss1,(MCS0)_4TX	0.927	0.33	401.875u	3k
802.11ax HEW160_Nss1,(MCS0)_4TX	0.885	0.53	233.125u	10k

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

Non-Beamforming_Radio 2

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.541	2.67	128.437u	10k
802.11n HT20_Nss1,(MCS0)_4TX	0.95	0.22	1.921m	1k
802.11n HT40_Nss1,(MCS0)_4TX	0.901	0.45	944.375u	3k
802.11ac VHT20_Nss1,(MCS0)_4TX	0.985	0.07	1.928m	10
802.11ac VHT40_Nss1,(MCS0)_4TX	0.971	0.13	952.5u	3k
802.11ac VHT80_Nss1,(MCS0)_4TX	0.939	0.27	460.625u	3k
802.11ac VHT160_Nss1,(MCS0)_4TX	0.901	0.45	254.375u	10k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.914	0.39	318.125u	10k
802.11ax HEW40_Nss1,(MCS0)_4TX	0.903	0.44	304.375u	10k
802.11ax HEW80_Nss1,(MCS0)_4TX	0.927	0.33	401.25u	3k
802.11ax HEW160_Nss1,(MCS0)_4TX	0.89	0.51	234.375u	10k

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

Non-Beamforming_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.95	0.22	2.066m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.951	0.22	1.922m	1k
802.11n HT40_Nss1,(MCS0)_2TX	0.905	0.43	946u	3k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.986	0.06	1.93m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.971	0.13	953u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.943	0.25	462u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.98	0.09	1.489m	1k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.963	0.16	774u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.928	0.32	402u	3k

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

Beamforming_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.929	0.32	2.932m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.943	0.25	4.368m	300
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.933	0.3	4.15m	300
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.95	0.22	4.83m	300

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

Beamforming_Radio 2

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.888	0.52	2.932m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.922	0.35	4.368m	300
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.939	0.27	4.15m	300
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.952	0.21	4.83m	300

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

Beamforming_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.953	0.21	2.932m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.951	0.22	4.368m	300
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.955	0.2	4.15m	300

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

1.1.5 Table for Multiple Listing

The brand/model names in the following table are all refer to the identical product.

Brand Name	Model Name	Description
FORTINET	FortiAP U432Fxxxxxx	All the models are identical, the difference model for served as marketing strategy.
	FAP-U432Fxxxxxx	
	FORTIAP-U432Fxxxxxx	

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR0D1422AN

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

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

1.2 Testing Applied Standards

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

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

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

- KDB 662911 D01 v02r01
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
(TAF: 3785)	**TEL:** 886-3-327-3456		**FAX:** 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
RF Conducted	TH06-HY	Alan	20.1~26.9°C / 50~60%	25/Dec/2020~14/Feb/2021
Radiated	03CH02-HY	Frank	19.7~26.5°C / 50~60%	24/Dec/2020~15/Apr/2021
☐ Wen 33rd.St.	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
(TAF: 3785)	**TEL:** 886-3-318-0787		**FAX:** 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
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 ℃	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	accessMTool_REL_3_1_0_1

Non-Beamforming_Radio 1

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5500MHz	46
5580MHz	42
5700MHz	45
5720MHz Straddle 5.47-5.725GHz	45
5720MHz Straddle 5.725-5.85GHz	45
802.11n HT20_Nss1,(MCS0)_4TX	-
5500MHz	46
5580MHz	43
5700MHz	46
5720MHz Straddle 5.47-5.725GHz	46
5720MHz Straddle 5.725-5.85GHz	46
802.11n HT40_Nss1,(MCS0)_4TX	-
5510MHz	54
5550MHz	56
5670MHz	57
5710MHz Straddle 5.47-5.725GHz	58
5710MHz Straddle 5.725-5.85GHz	58
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5500MHz	46
5580MHz	43
5700MHz	46
5720MHz Straddle 5.47-5.725GHz	46
5720MHz Straddle 5.725-5.85GHz	46
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5510MHz	54
5550MHz	56
5670MHz	57
5710MHz Straddle 5.47-5.725GHz	58

Mode	Power Setting
5710MHz Straddle 5.725-5.85GHz	58
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5530MHz	53
5610MHz	68
5690MHz Straddle 5.47-5.725GHz	68
5690MHz Straddle 5.725-5.85GHz	68
802.11ac VHT160_Nss1,(MCS0)_4TX	-
5570MHz	47
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5500MHz	46
5580MHz	43
5700MHz	46
5720MHz Straddle 5.47-5.725GHz	46
5720MHz Straddle 5.725-5.85GHz	46
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5510MHz	54
5550MHz	56
5670MHz	57
5710MHz Straddle 5.47-5.725GHz	58
5710MHz Straddle 5.725-5.85GHz	58
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5530MHz	53
5610MHz	68
5690MHz Straddle 5.47-5.725GHz	68
5690MHz Straddle 5.725-5.85GHz	68
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5570MHz	47

Non-Beamforming_Radio 2

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	37
5300MHz	37
5320MHz	39
5500MHz	39
5580MHz	39
5700MHz	39
5720MHz Straddle 5.47-5.725GHz	39
5720MHz Straddle 5.725-5.85GHz	39
802.11n HT20_Nss1,(MCS0)_4TX	-
5260MHz	48
5300MHz	48
5320MHz	47
5500MHz	47
5580MHz	47
5700MHz	47
5720MHz Straddle 5.47-5.725GHz	47
5720MHz Straddle 5.725-5.85GHz	47
802.11n HT40_Nss1,(MCS0)_4TX	-
5270MHz	60
5310MHz	60
5510MHz	59
5550MHz	61
5670MHz	61
5710MHz Straddle 5.47-5.725GHz	61
5710MHz Straddle 5.725-5.85GHz	61
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5260MHz	48
5300MHz	48
5320MHz	47
5500MHz	47
5580MHz	47
5700MHz	47
5720MHz Straddle 5.47-5.725GHz	47

Mode	Power Setting
5720MHz Straddle 5.725-5.85GHz	47
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5270MHz	60
5310MHz	60
5510MHz	59
5550MHz	61
5670MHz	61
5710MHz Straddle 5.47-5.725GHz	61
5710MHz Straddle 5.725-5.85GHz	61
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5290MHz	57
5530MHz	57
5610MHz	71
5690MHz Straddle 5.47-5.725GHz	71
5690MHz Straddle 5.725-5.85GHz	71
802.11ac VHT160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	54
5250MHz Straddle 5.25-5.35GHz	54
5570MHz	49
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	48
5300MHz	48
5320MHz	47
5500MHz	47
5580MHz	47
5700MHz	47
5720MHz Straddle 5.47-5.725GHz	47
5720MHz Straddle 5.725-5.85GHz	47
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	60
5310MHz	60
5510MHz	59
5550MHz	61
5670MHz	61
5710MHz Straddle 5.47-5.725GHz	61

Mode	Power Setting
5710MHz Straddle 5.725-5.85GHz	61
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	57
5530MHz	57
5610MHz	71
5690MHz Straddle 5.47-5.725GHz	71
5690MHz Straddle 5.725-5.85GHz	71
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	54
5250MHz Straddle 5.25-5.35GHz	54
5570MHz	49

Non-Beamforming_Radio 3

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	66
5300MHz	60
5320MHz	60
5500MHz	58
5580MHz	65
5700MHz	59
5720MHz Straddle 5.47-5.725GHz	70
5720MHz Straddle 5.725-5.85GHz	70
802.11n HT20_Nss1,(MCS0)_2TX	-
5260MHz	67
5300MHz	64
5320MHz	62
5500MHz	63
5580MHz	69
5700MHz	52
5720MHz Straddle 5.47-5.725GHz	70
5720MHz Straddle 5.725-5.85GHz	70
802.11n HT40_Nss1,(MCS0)_2TX	-
5270MHz	70
5310MHz	58

Mode	Power Setting
5510MHz	59
5550MHz	74
5670MHz	64
5710MHz Straddle 5.47-5.725GHz	84
5710MHz Straddle 5.725-5.85GHz	84
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	67
5300MHz	64
5320MHz	62
5500MHz	63
5580MHz	69
5700MHz	52
5720MHz Straddle 5.47-5.725GHz	70
5720MHz Straddle 5.725-5.85GHz	70
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	70
5310MHz	58
5510MHz	59
5550MHz	74
5670MHz	64
5710MHz Straddle 5.47-5.725GHz	84
5710MHz Straddle 5.725-5.85GHz	84
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	54
5530MHz	60
5610MHz	67
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	67
5300MHz	64
5320MHz	62
5500MHz	63
5580MHz	69
5700MHz	52

Mode	Power Setting
5720MHz Straddle 5.47-5.725GHz	70
5720MHz Straddle 5.725-5.85GHz	70
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	70
5310MHz	58
5510MHz	59
5550MHz	74
5670MHz	64
5710MHz Straddle 5.47-5.725GHz	84
5710MHz Straddle 5.725-5.85GHz	84
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	54
5530MHz	60
5610MHz	67
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80

Beamforming_Radio 1

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5500MHz	45
5580MHz	40
5700MHz	43
5720MHz Straddle 5.47-5.725GHz	44
5720MHz Straddle 5.725-5.85GHz	44
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5510MHz	46
5550MHz	44
5670MHz	44
5710MHz Straddle 5.47-5.725GHz	45
5710MHz Straddle 5.725-5.85GHz	45
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5530MHz	42
5610MHz	43
5690MHz Straddle 5.47-5.725GHz	43

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	43
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5570MHz	42

Beamforming_Radio 2

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5260MHz	50
5300MHz	50
5320MHz	50
5500MHz	50
5580MHz	50
5700MHz	50
5720MHz Straddle 5.47-5.725GHz	50
5720MHz Straddle 5.725-5.85GHz	50
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5270MHz	49
5310MHz	52
5510MHz	50
5550MHz	49
5670MHz	51
5710MHz Straddle 5.47-5.725GHz	52
5710MHz Straddle 5.725-5.85GHz	52
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5290MHz	48
5530MHz	48
5610MHz	51
5690MHz Straddle 5.47-5.725GHz	51
5690MHz Straddle 5.725-5.85GHz	51
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	65
5250MHz Straddle 5.25-5.35GHz	65
5570MHz	50

Beamforming_Radio 3

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5260MHz	68
5300MHz	65
5320MHz	67
5500MHz	62
5580MHz	67
5700MHz	58
5720MHz Straddle 5.47-5.725GHz	67
5720MHz Straddle 5.725-5.85GHz	67
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5270MHz	68
5310MHz	65
5510MHz	57
5550MHz	68
5670MHz	64
5710MHz Straddle 5.47-5.725GHz	68
5710MHz Straddle 5.725-5.85GHz	68
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5290MHz	61
5530MHz	62
5610MHz	68
5690MHz Straddle 5.47-5.725GHz	68
5690MHz Straddle 5.725-5.85GHz	68

2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Radio 1(2.4G)+ Radio 2(5G)+ Radio 3(2.4G)+ Bluetooth
2	Radio 1(5G)+ Radio 2(5G)+ Radio 3(2.4G)+ Bluetooth
3	Radio 1(5G)+ Radio 2(5G)+ Radio 3(5G)+ Bluetooth
4	Radio 1(2.4G)+ Radio 2(5G)+ Radio 3(5G)+ Bluetooth
5	Radio 1(2.4G)+ Radio 2(5G)+ Radio 3(2.4G)+Zigbee
6	Radio 1(5G)+ Radio 2(5G)+ Radio 3(2.4G)+Zigbee
7	Radio 1(5G)+ Radio 2(5G)+ Radio 3(5G)+Zigbee
8	Radio 1(2.4G)+ Radio 2(5G)+ Radio 3(5G)+Zigbee
Refer to Sporton Test Report No.: FA0D1422-01 for Co-location RF Exposure Evaluation.	

2.3 Accessories

Accessories				
PoE Adapter	**Brand Name**	Senao Inc.	**Model Name**	PIN060-54PR
	Power Rating	I/P: 100-240Vac, 1.5A, 50-60Hz, O/P: 54Vdc, 1.11A		
AC CORD	**Brand Name**	I-SHENG	**Model Name**	AC CORD 600mm
	Signal Line	0.5 meter, shielded cable, w/o ferrite core		
Ground Wire	**Brand Name**	BO YAO	**Model Name**	WIRE GEN AWG10 180cm
	Signal Line	1.8 meter, shielded cable, w/o ferrite core		
Bracket wall mount	**Brand Name**	XIERTEK	**Model Name**	BRACKET WALL MOUNT
Bracket pole mount	**Brand Name**	CUN SHENG	**Model Name**	BRACKET POLE MOUN

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

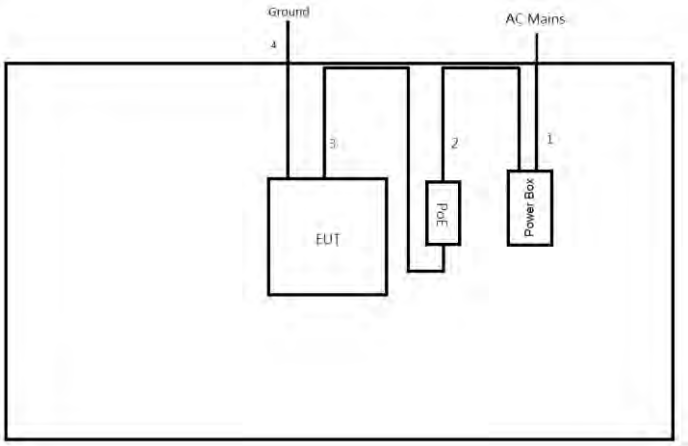
2.4 Support Equipment

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

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	RJ45 Cable	Power Sync	CAT-6E-01	-	-
2	RJ45 Cable	Power Sync	CAT-6E-10	-	-
3	Notebook	HP	5220M	-	Remote
4	AC Adapter for NB	HP	PPP012L-E	-	Remote
5	RJ45 Cable	Power Sync	CAT-6E-01	-	Remote
6	RJ45 Cable	Power Sync	CAT-6E-10	-	Remote
7	Client	SENAO	FAP-U432F	-	Customer provide /Remote

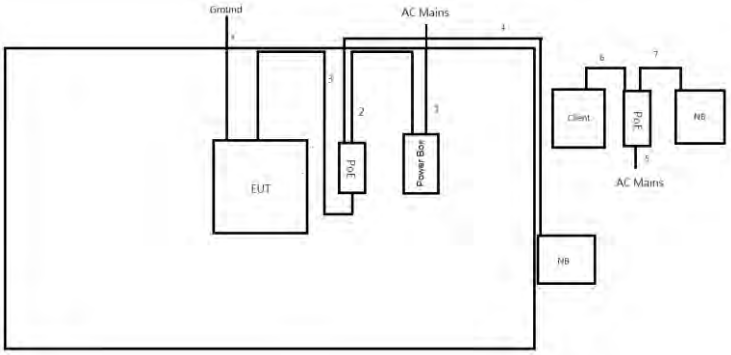
2.5 Test Setup Diagram

Test Setup Diagram - Radiated Test (Non-Beamforming)



Item	Connection	Shielded	Length(m)
1	AC Power cable	No	1.8
2	AC Power cable	Yes	0.5
3	RJ45 cable	No	1.0
4	Ground Wire	YES	1.8

Test Setup Diagram - Radiated Test (Beamforming)



Item	Connection	Shielded	Length(m)
1	AC Power cable	No	1.5
2	AC Power cable	YES	0.5
3	RJ45 cable	No	1.0
4	RJ45 Cable	No	10.0
5	AC Power cable	YES	0.5
6	RJ45 Cable	No	1.0
7	RJ45 Cable	No	1.0
8	Ground Wire	YES	1.8

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 ≥ 500kHz.

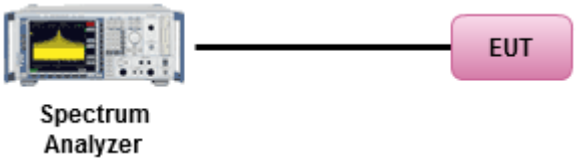
3.1.2 Measuring Instruments

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

Emission Bandwidth


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

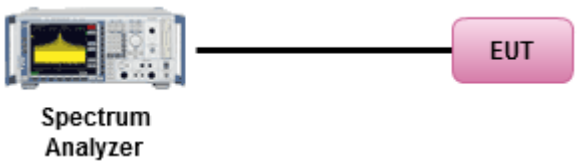
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪ Maximum Conducted Output Power	
	Duty cycle ≥ 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

RF Output Power (Spectrum Analyzer)



RF Output Power (Power Meter)

3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

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

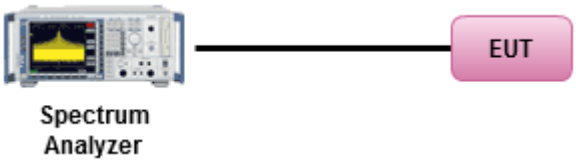
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Power Spectral Density


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.

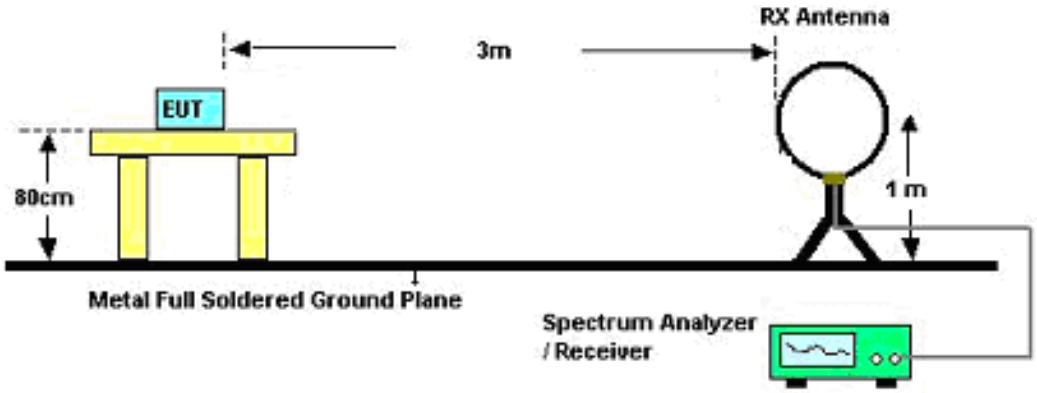
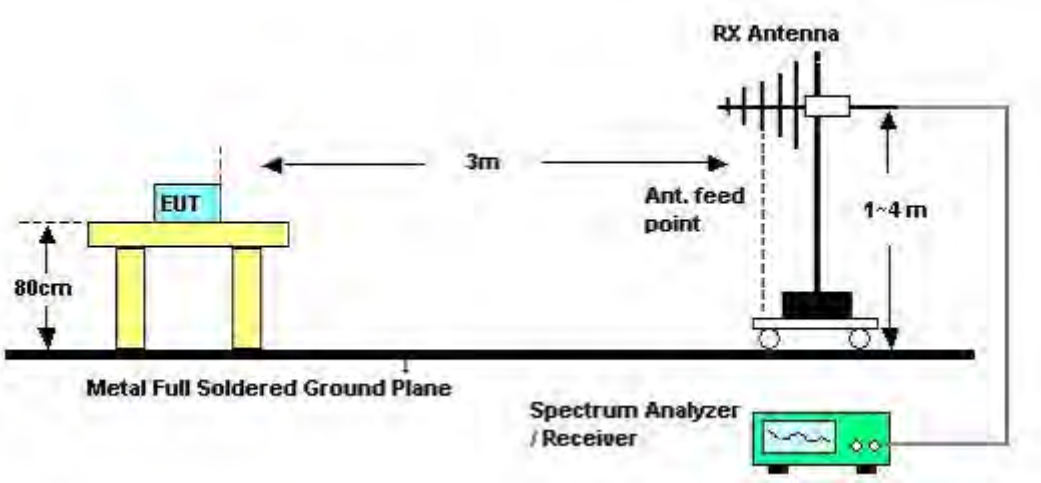
3.4.3 Test Procedures

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 ≥ 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 ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
▪ Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

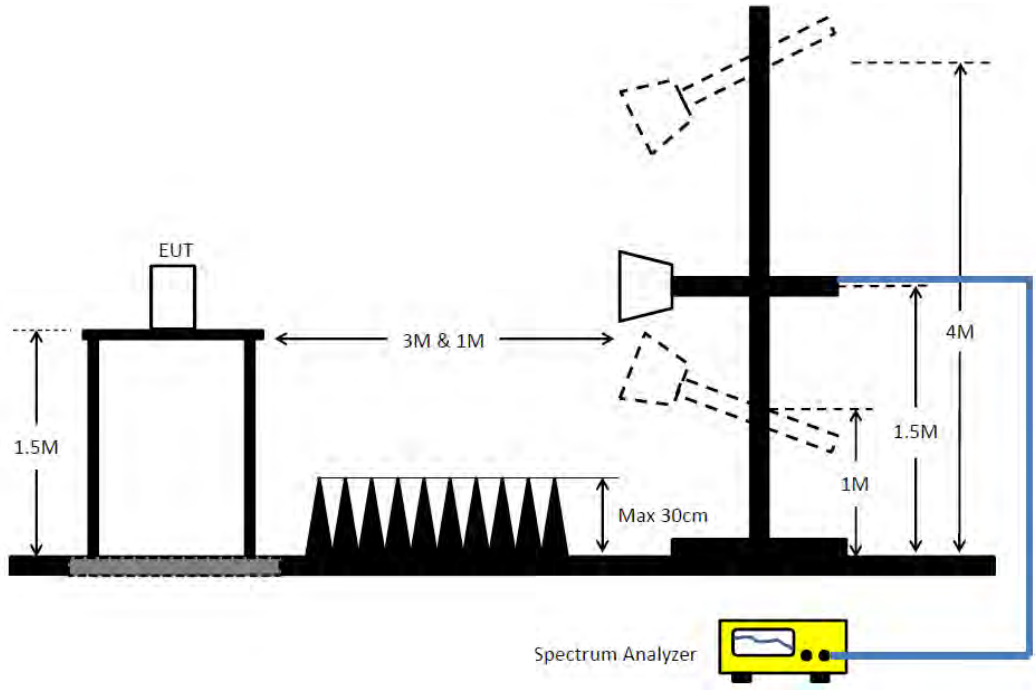
3.4.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.4.5 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.4.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.4.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	19/Oct/2020	18/Oct/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	27/Nov/2020	26/Nov/2021
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	27/Nov/2020	26/Nov/2021

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	19/Aug/2020	18/Aug/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	23/Oct/2020	22/Oct/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+8051 92/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+8051 92/4	1GHz~40GHz	06/Apr/2021	05/Apr/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	11/Mar/2021	10/Mar/2022
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	09/Mar/2021	08/Mar/2022

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.75M	16.852M	16M9D1D	15.565M	13.413M
802.11n HT20_Nss1,(MCS0)_4TX	21.78M	17.931M	17M9D1D	15.73M	13.977M
802.11n HT40_Nss1,(MCS0)_4TX	40.2M	36.522M	36M5D1D	34.763M	33.092M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.87M	17.961M	18M0D1D	15.785M	13.991M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.26M	36.582M	36M6D1D	34.864M	33.092M
802.11ac VHT80_Nss1,(MCS0)_4TX	82.32M	76.282M	76M3D1D	75.52M	72.534M
802.11ac VHT160_Nss1,(MCS0)_4TX	164.64M	154.483M	154MD1D	163.2M	154.003M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.78M	19.04M	19M0D1D	15.675M	14.526M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.08M	37.841M	37M8D1D	34.931M	33.733M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.32M	77.721M	77M7D1D	75.668M	73.197M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.16M	155.202M	155MD1D	163.44M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.18M	4.018M	4M02D1D	3.105M	3.898M
802.11n HT20_Nss1,(MCS0)_4TX	3.75M	4.273M	4M27D1D	3.735M	4.198M
802.11n HT40_Nss1,(MCS0)_4TX	3.12M	3.463M	3M46D1D	3.105M	3.388M
802.11ac VHT20_Nss1,(MCS0)_4TX	3.75M	4.303M	4M30D1D	3.735M	4.243M
802.11ac VHT40_Nss1,(MCS0)_4TX	3.18M	3.448M	3M45D1D	3.09M	3.433M
802.11ac VHT80_Nss1,(MCS0)_4TX	3.105M	3.583M	3M58D1D	3.09M	3.478M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.485M	4.573M	4M57D1D	4.41M	4.528M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.825M	4.018M	4M02D1D	3.69M	3.988M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.795M	4.063M	4M06D1D	3.69M	4.018M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	21.48M	16.672M	21.57M	16.852M	21.66M	16.792M	21.63M	16.762M
5580MHz	Pass	Inf	21.39M	16.702M	21.75M	16.762M	21.66M	16.732M	21.51M	16.732M
5700MHz	Pass	Inf	21.39M	16.702M	21.66M	16.762M	21.66M	16.822M	21.39M	16.702M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.565M	13.413M	15.661M	13.468M	15.799M	13.427M	15.593M	13.441M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	4.003M	3.12M	4.018M	3.105M	3.958M	3.12M	3.898M
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	21.75M	17.931M	21.57M	17.871M	21.45M	17.841M	21.42M	17.901M
5580MHz	Pass	Inf	21.78M	17.871M	21.51M	17.871M	21.51M	17.901M	21.48M	17.841M
5700MHz	Pass	Inf	21.66M	17.931M	21.54M	17.841M	21.48M	17.871M	21.45M	17.931M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.854M	14.032M	15.813M	14.018M	15.73M	14.004M	15.73M	13.977M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.735M	4.273M	3.75M	4.258M	3.735M	4.198M	3.735M	4.243M
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	Inf	40.2M	36.402M	39.42M	36.402M	39.78M	36.462M	39.66M	36.402M
5550MHz	Pass	Inf	40.02M	36.402M	39.42M	36.402M	39.72M	36.402M	39.66M	36.342M
5670MHz	Pass	Inf	40.08M	36.402M	39.54M	36.342M	39.9M	36.462M	39.54M	36.522M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.134M	33.092M	34.763M	33.092M	35.066M	33.16M	35.033M	33.16M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.463M	3.12M	3.448M	3.105M	3.448M	3.105M	3.388M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	21.87M	17.901M	21.6M	17.901M	21.42M	17.841M	21.72M	17.901M
5580MHz	Pass	Inf	21.78M	17.931M	21.51M	17.901M	21.66M	17.901M	21.69M	17.901M
5700MHz	Pass	Inf	21.72M	17.961M	21.57M	17.871M	21.48M	17.961M	21.69M	17.931M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.813M	14.004M	15.799M	14.018M	15.785M	14.004M	15.868M	13.991M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.735M	4.303M	3.75M	4.288M	3.75M	4.243M	3.735M	4.273M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	Inf	40.26M	36.402M	39.84M	36.342M	40.08M	36.522M	39.84M	36.522M
5550MHz	Pass	Inf	40.26M	36.462M	39.66M	36.342M	40.08M	36.462M	39.9M	36.402M
5670MHz	Pass	Inf	40.26M	36.462M	39.78M	36.402M	40.02M	36.582M	39.6M	36.402M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.066M	33.16M	34.864M	33.193M	35.1M	33.092M	34.931M	33.092M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.09M	3.433M	3.18M	3.448M	3.105M	3.433M	3.105M	3.433M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	Inf	81.6M	75.802M	81.12M	76.042M	81.36M	75.922M	81.72M	75.922M
5610MHz	Pass	Inf	82.32M	76.162M	81.6M	76.282M	81.6M	76.282M	81.84M	76.162M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.594M	72.607M	75.52M	72.534M	75.594M	72.681M	75.889M	72.681M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.583M	3.105M	3.583M	3.105M	3.508M	3.09M	3.478M
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5570MHz	Pass	Inf	163.2M	154.003M	164.64M	154.483M	164.64M	154.483M	163.44M	154.243M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	21.63M	19.01M	21.45M	19.04M	21.51M	19.01M	21.72M	19.04M
5580MHz	Pass	Inf	21.69M	19.04M	21.63M	19.04M	21.75M	19.01M	21.69M	19.01M
5700MHz	Pass	Inf	21.57M	19.01M	21.54M	18.981M	21.78M	19.04M	21.69M	18.981M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.744M	14.568M	15.675M	14.526M	15.785M	14.554M	15.675M	14.54M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.425M	4.543M	4.425M	4.573M	4.41M	4.528M	4.485M	4.573M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	Inf	40.02M	37.781M	39.78M	37.781M	39.96M	37.781M	40.08M	37.721M
5550MHz	Pass	Inf	40.08M	37.781M	39.9M	37.661M	40.02M	37.841M	40.02M	37.721M
5670MHz	Pass	Inf	40.08M	37.721M	39.84M	37.721M	39.96M	37.601M	39.96M	37.721M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.931M	33.733M	34.931M	33.733M	35.168M	33.733M	34.999M	33.767M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.735M	4.003M	3.825M	4.018M	3.69M	3.988M	3.825M	4.018M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	Inf	81.84M	77.121M	82.2M	77.241M	81.84M	77.361M	81.6M	77.481M
5610MHz	Pass	Inf	82.32M	77.601M	82.2M	77.721M	81.96M	77.601M	81.84M	77.361M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.668M	73.492M	75.815M	73.197M	76.036M	73.492M	75.889M	73.492M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.795M	4.063M	3.78M	4.018M	3.69M	4.018M	3.69M	4.018M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-

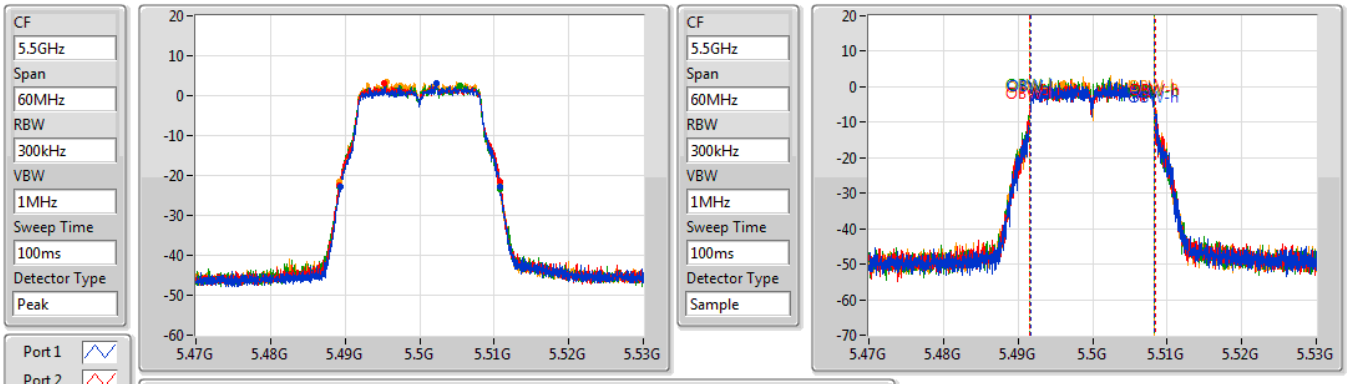
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5570MHz	Pass	Inf	163.44M	154.723M	163.92M	155.202M	164.16M	154.963M	164.16M	154.963M

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

802.11a_Nss1,(6Mbps)_4TX EBW

5500MHz

29/12/2020

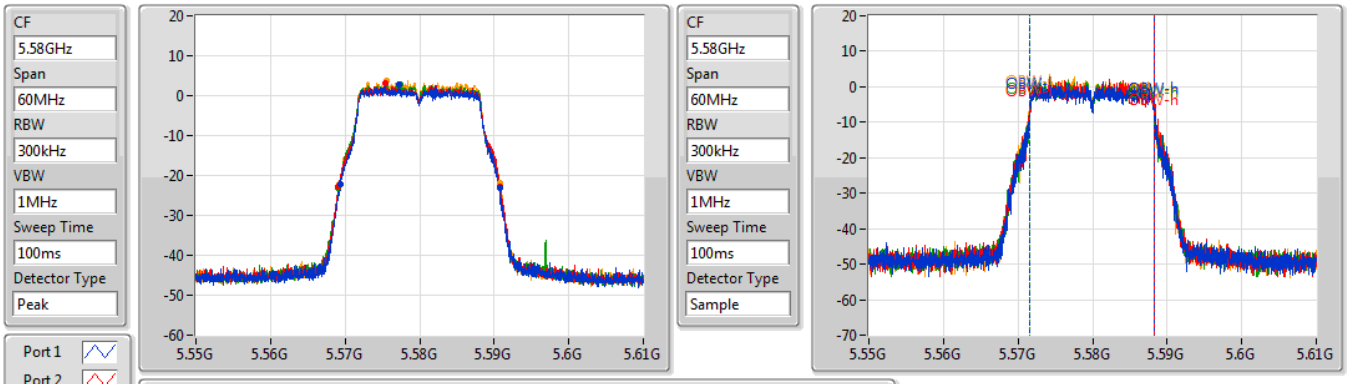


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.48935G	5.51083G	16.672M	5.491664G	5.508336G	Inf	1
21.57M	5.48923G	5.5108G	16.852M	5.491574G	5.508426G	Inf	2
21.66M	5.48917G	5.51083G	16.792M	5.491544G	5.508336G	Inf	3
21.63M	5.48923G	5.51086G	16.762M	5.491574G	5.508336G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5580MHz

29/12/2020

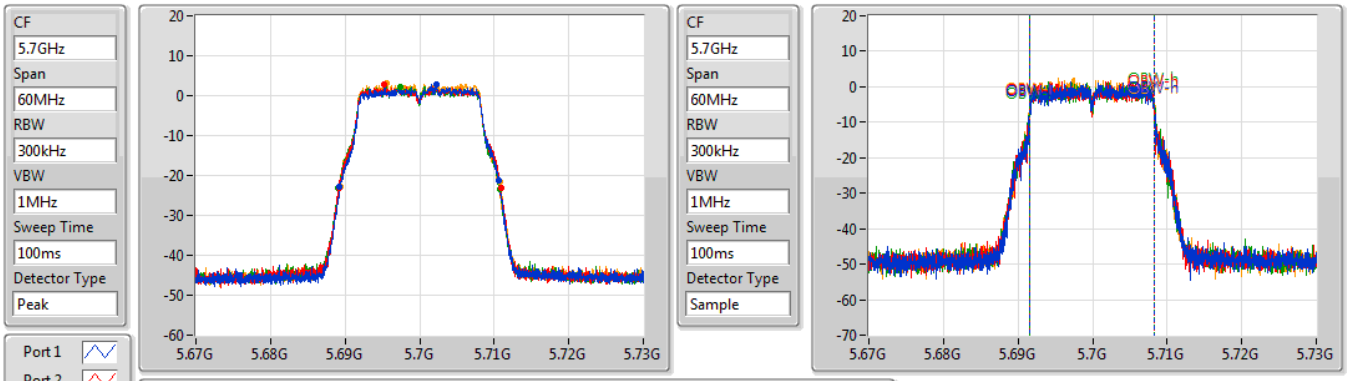


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.56935G	5.59074G	16.702M	5.571574G	5.588276G	Inf	1
21.75M	5.56911G	5.59086G	16.762M	5.571574G	5.588336G	Inf	2
21.66M	5.56908G	5.59074G	16.732M	5.571544G	5.588276G	Inf	3
21.51M	5.56923G	5.59074G	16.732M	5.571544G	5.588276G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5700MHz

29/12/2020

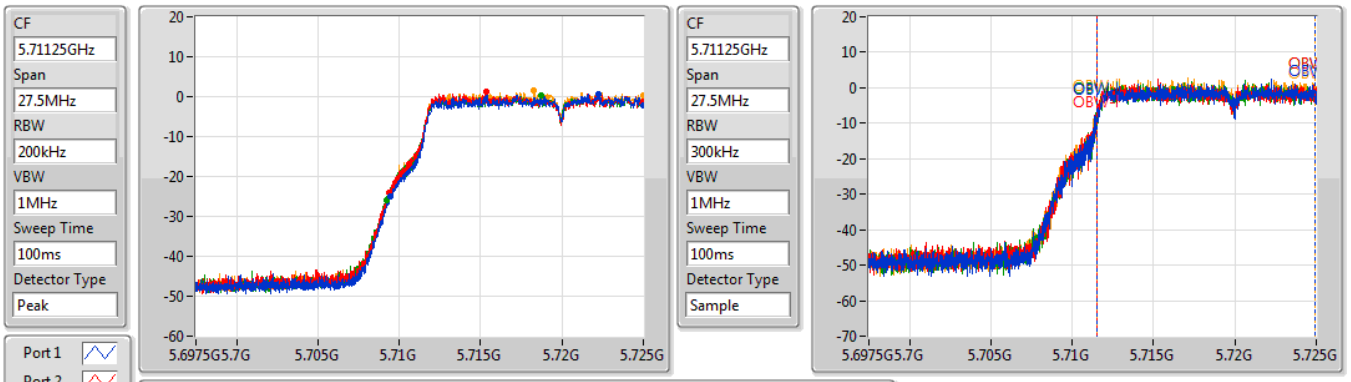


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.68929G	5.71068G	16.702M	5.691634G	5.708336G	Inf	1
21.66M	5.68923G	5.71089G	16.762M	5.691574G	5.708336G	Inf	2
21.66M	5.68911G	5.71077G	16.822M	5.691514G	5.708336G	Inf	3
21.39M	5.68935G	5.71074G	16.702M	5.691604G	5.708306G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

29/12/2020

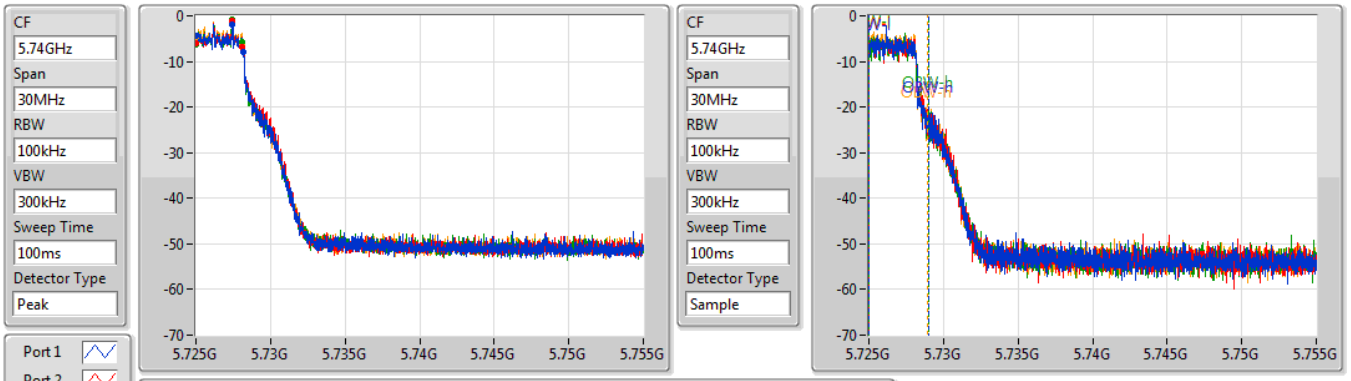


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.565M	5.709435G	5.725G	13.413M	5.711511G	5.724924G	Inf	1
15.661M	5.709339G	5.725G	13.468M	5.711484G	5.724952G	Inf	2
15.799M	5.709201G	5.725G	13.427M	5.711497G	5.724924G	Inf	3
15.593M	5.709408G	5.725G	13.441M	5.711497G	5.724938G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

29/12/2020

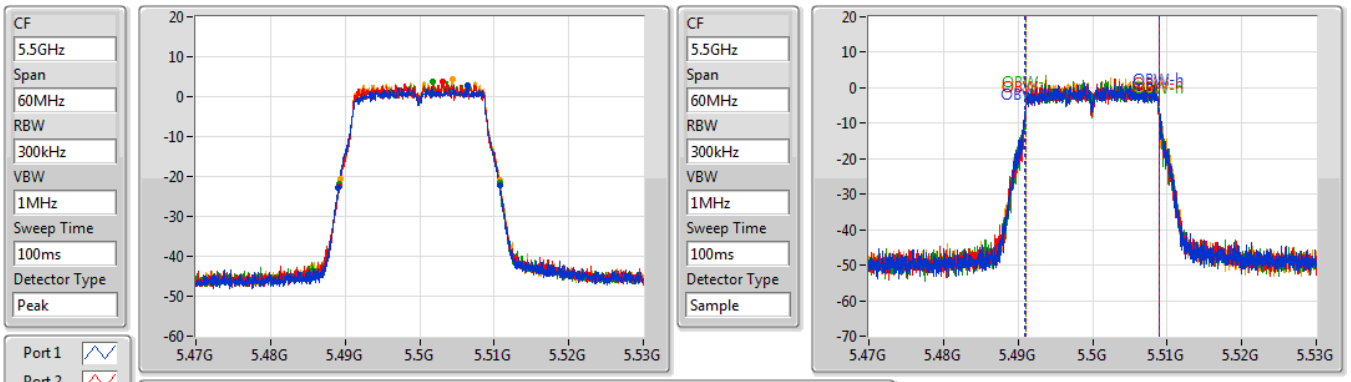


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.18M	5.725G	5.72818G	4.003M	5.725022G	5.729025G	500k	1
3.12M	5.725G	5.72812G	4.018M	5.725022G	5.72904G	500k	2
3.105M	5.725G	5.728105G	3.958M	5.725022G	5.728981G	500k	3
3.12M	5.725G	5.72812G	3.898M	5.725022G	5.728921G	500k	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5500MHz

29/12/2020

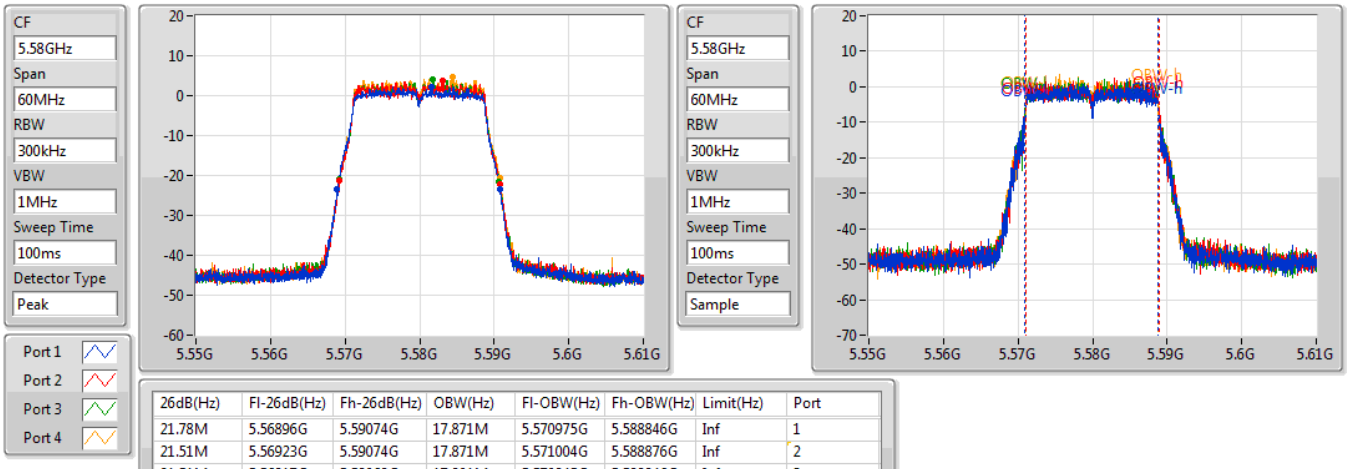


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.48908G	5.51083G	17.931M	5.490975G	5.508906G	Inf	1
21.57M	5.4892G	5.51077G	17.871M	5.491034G	5.508906G	Inf	2
21.45M	5.48926G	5.51071G	17.841M	5.491034G	5.508876G	Inf	3
21.42M	5.48932G	5.51074G	17.901M	5.491004G	5.508906G	Inf	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5580MHz

29/12/2020

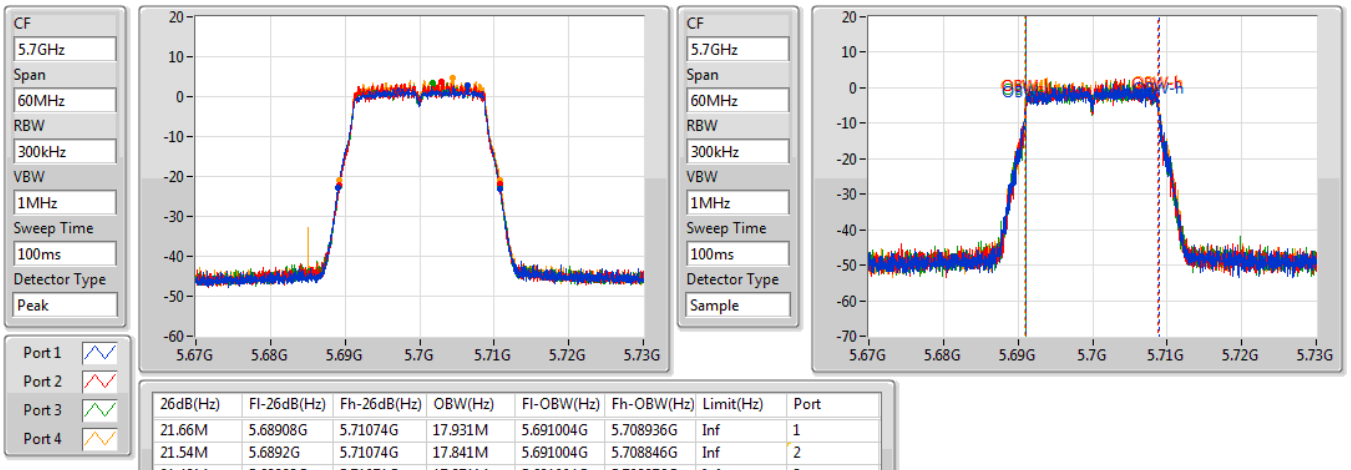


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.56896G	5.59074G	17.871M	5.570975G	5.588846G	Inf	1
21.51M	5.56923G	5.59074G	17.871M	5.571004G	5.588876G	Inf	2
21.51M	5.56917G	5.59068G	17.901M	5.570945G	5.588846G	Inf	3
21.48M	5.56923G	5.59071G	17.841M	5.571004G	5.588846G	Inf	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5700MHz

29/12/2020

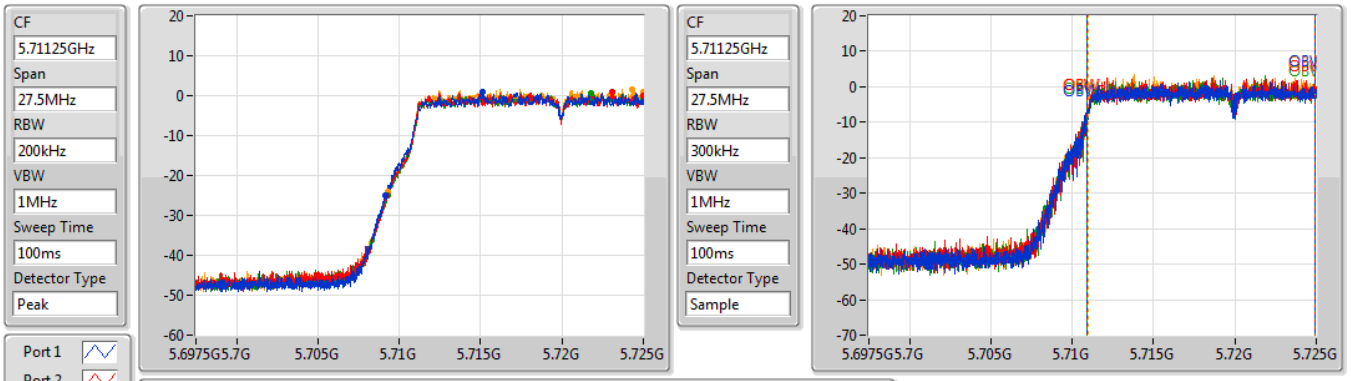


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.66M	5.68908G	5.71074G	17.931M	5.691004G	5.708936G	Inf	1
21.54M	5.6892G	5.71074G	17.841M	5.691004G	5.708846G	Inf	2
21.48M	5.68923G	5.71071G	17.871M	5.691004G	5.708876G	Inf	3
21.45M	5.68926G	5.71071G	17.931M	5.690975G	5.708906G	Inf	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

29/12/2020

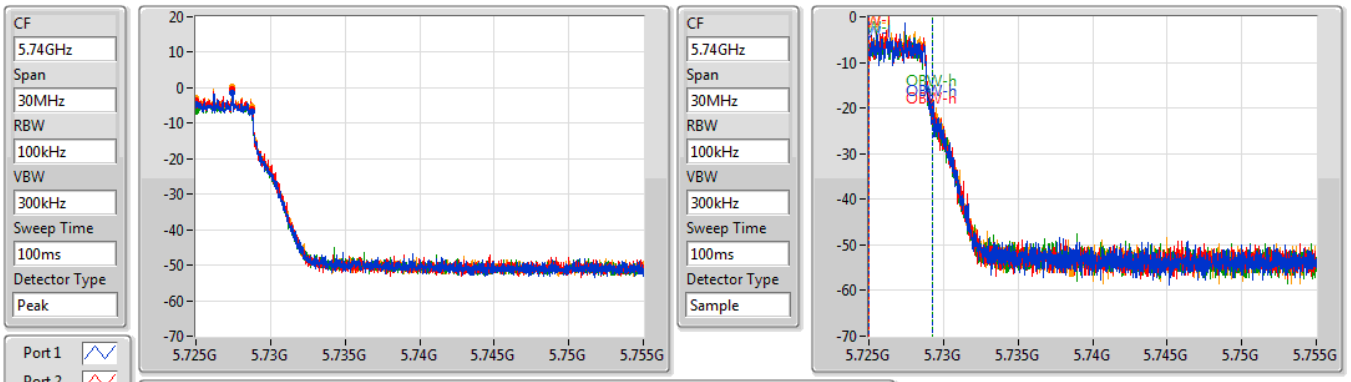


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.854M	5.709146G	5.725G	14.032M	5.710906G	5.724938G	Inf	1
15.813M	5.709188G	5.725G	14.018M	5.71092G	5.724938G	Inf	2
15.73M	5.70927G	5.725G	14.004M	5.710934G	5.724938G	Inf	3
15.73M	5.70927G	5.725G	13.977M	5.710948G	5.724924G	Inf	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

29/12/2020

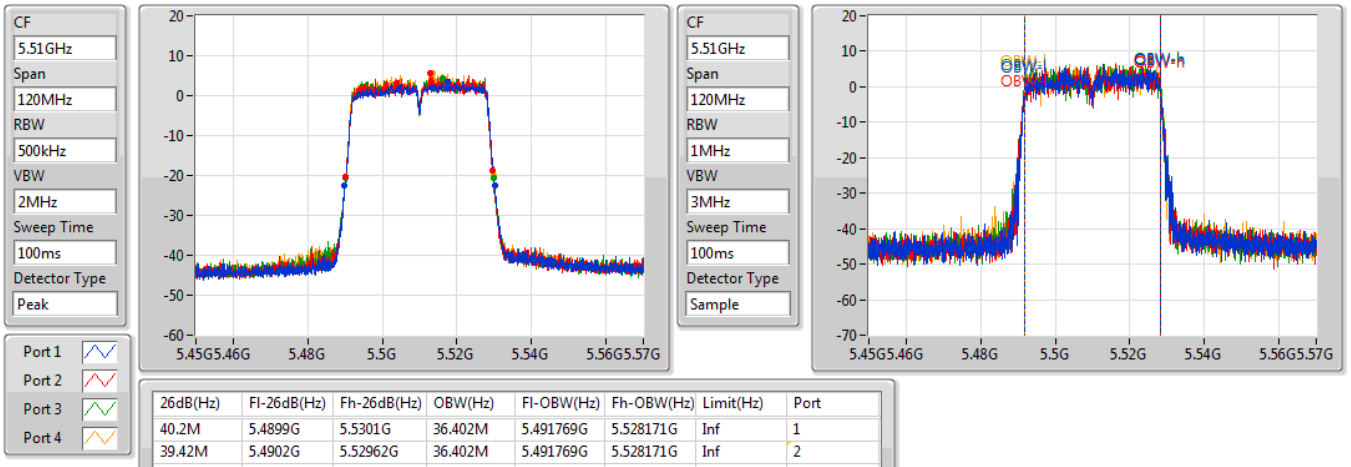


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.735M	5.725G	5.728735G	4.273M	5.725022G	5.729295G	500k	1
3.75M	5.725G	5.72875G	4.258M	5.725022G	5.72928G	500k	2
3.735M	5.725G	5.728735G	4.198M	5.725022G	5.72922G	500k	3
3.735M	5.725G	5.728735G	4.243M	5.725022G	5.729265G	500k	4

802.11n HT40_Nss1,(MCS0)_4TX EBW

5510MHz

29/12/2020

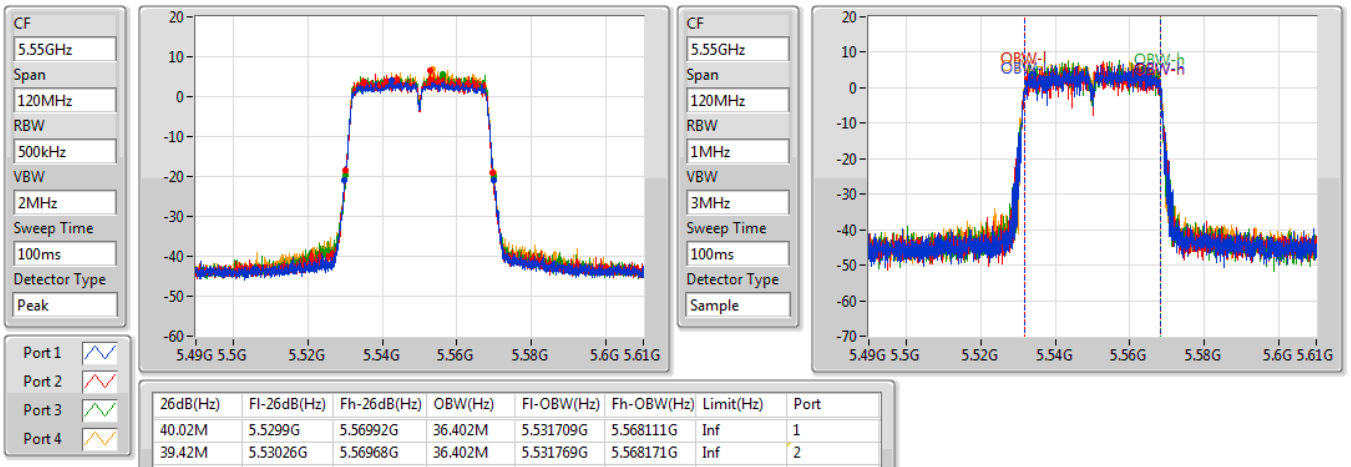


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.4899G	5.5301G	36.402M	5.491769G	5.528171G	Inf	1
39.42M	5.4902G	5.52962G	36.402M	5.491769G	5.528171G	Inf	2
39.78M	5.49008G	5.52986G	36.462M	5.491709G	5.528171G	Inf	3
39.66M	5.49014G	5.5298G	36.402M	5.491709G	5.528111G	Inf	4

802.11n HT40_Nss1,(MCS0)_4TX EBW

5550MHz

29/12/2020

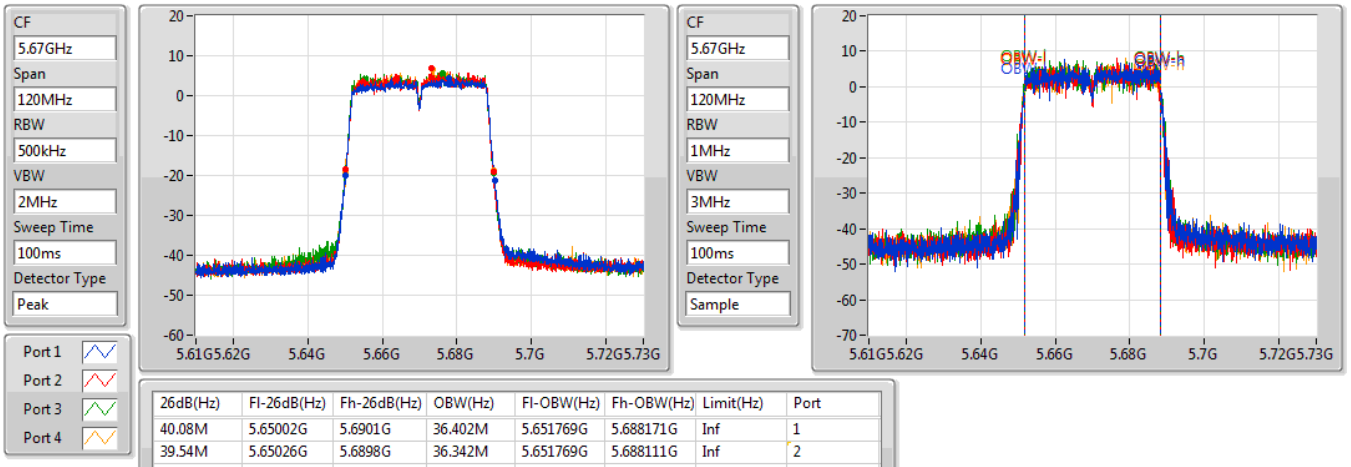


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.5299G	5.56992G	36.402M	5.531709G	5.568111G	Inf	1
39.42M	5.53026G	5.56968G	36.402M	5.531769G	5.568171G	Inf	2
39.72M	5.53008G	5.5698G	36.402M	5.531769G	5.568171G	Inf	3
39.66M	5.53014G	5.5698G	36.342M	5.531769G	5.568111G	Inf	4

802.11n HT40_Nss1,(MCS0)_4TX EBW

5670MHz

29/12/2020

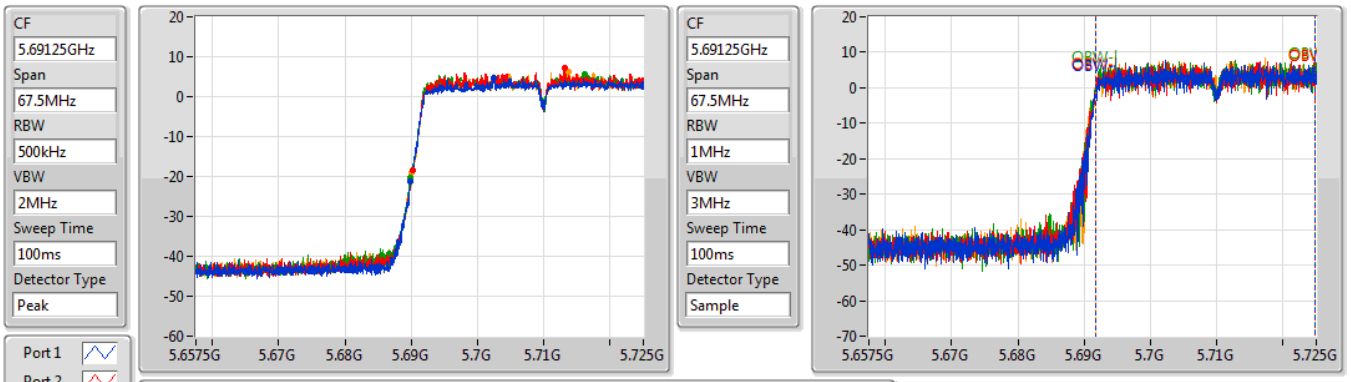


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.65002G	5.6901G	36.402M	5.651769G	5.688171G	Inf	1
39.54M	5.65026G	5.6898G	36.342M	5.651769G	5.688111G	Inf	2
39.9M	5.64996G	5.68986G	36.462M	5.651709G	5.688171G	Inf	3
39.54M	5.6502G	5.68974G	36.522M	5.651649G	5.688171G	Inf	4

802.11n HT40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.47-5.725GHz

29/12/2020

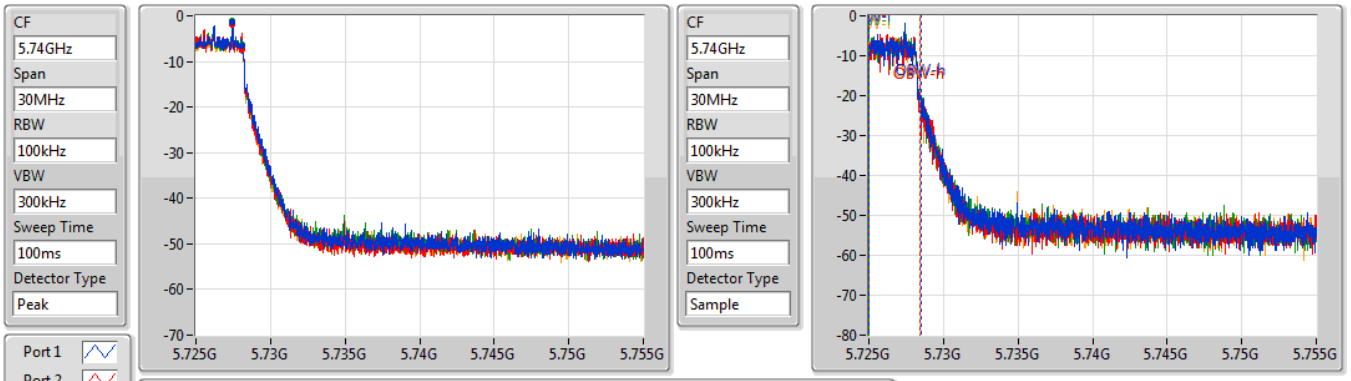


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.134M	5.689866G	5.725G	33.092M	5.691722G	5.724814G	Inf	1
34.763M	5.690238G	5.725G	33.092M	5.691722G	5.724814G	Inf	2
35.066M	5.689934G	5.725G	33.16M	5.691689G	5.724848G	Inf	3
35.033M	5.689968G	5.725G	33.16M	5.691655G	5.724814G	Inf	4

802.11n HT40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.725-5.85GHz

29/12/2020

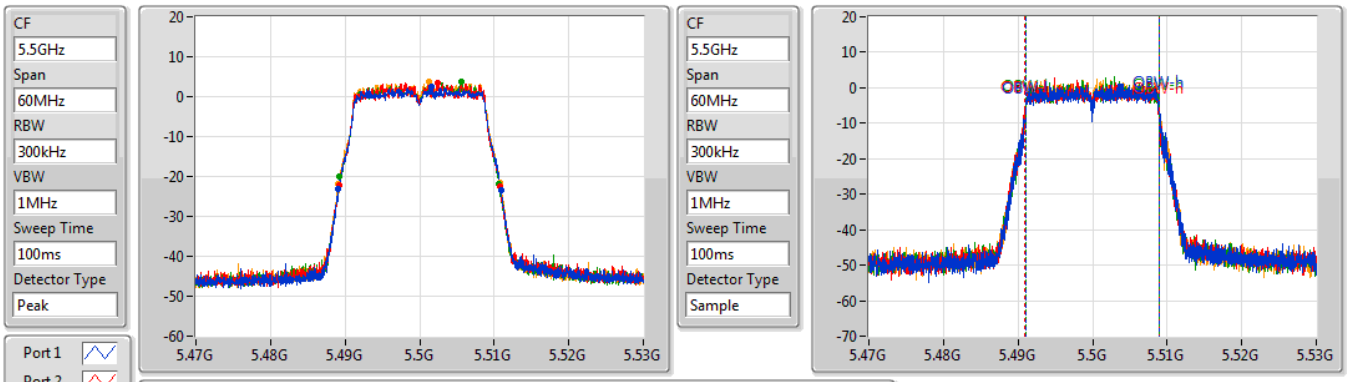


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.105M	5.725G	5.728105G	3.463M	5.725022G	5.728486G	500k	1
3.12M	5.725G	5.72812G	3.448M	5.725007G	5.728456G	500k	2
3.105M	5.725G	5.728105G	3.448M	5.725007G	5.728456G	500k	3
3.105M	5.725G	5.728105G	3.388M	5.725022G	5.728411G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5500MHz

29/12/2020

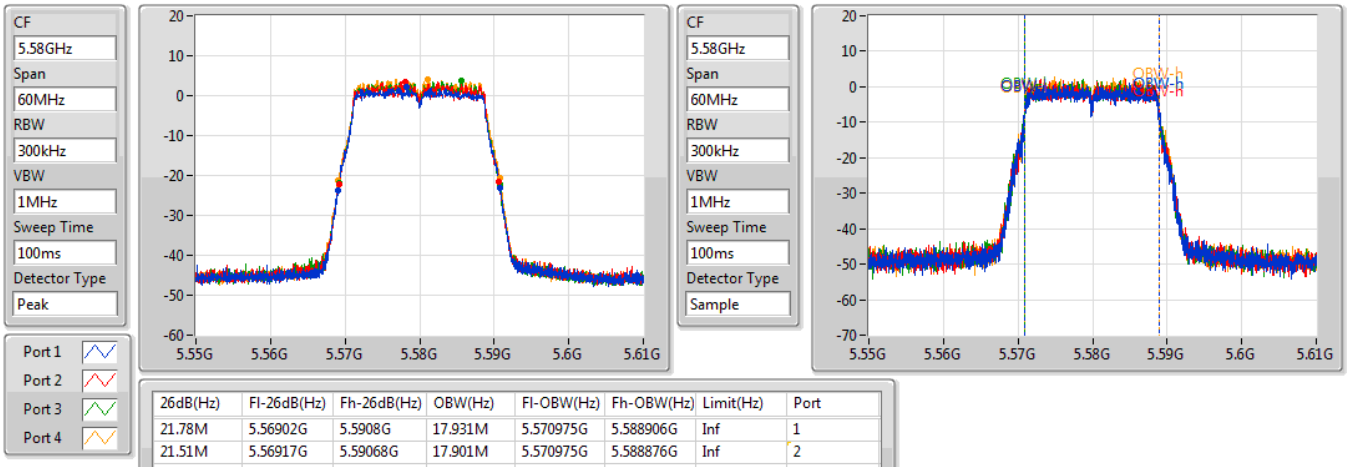


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.87M	5.48911G	5.51098G	17.901M	5.491034G	5.508936G	Inf	1
21.6M	5.4892G	5.5108G	17.901M	5.490975G	5.508876G	Inf	2
21.42M	5.4892G	5.51062G	17.841M	5.491034G	5.508876G	Inf	3
21.72M	5.48911G	5.51083G	17.901M	5.491004G	5.508906G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5580MHz

29/12/2020

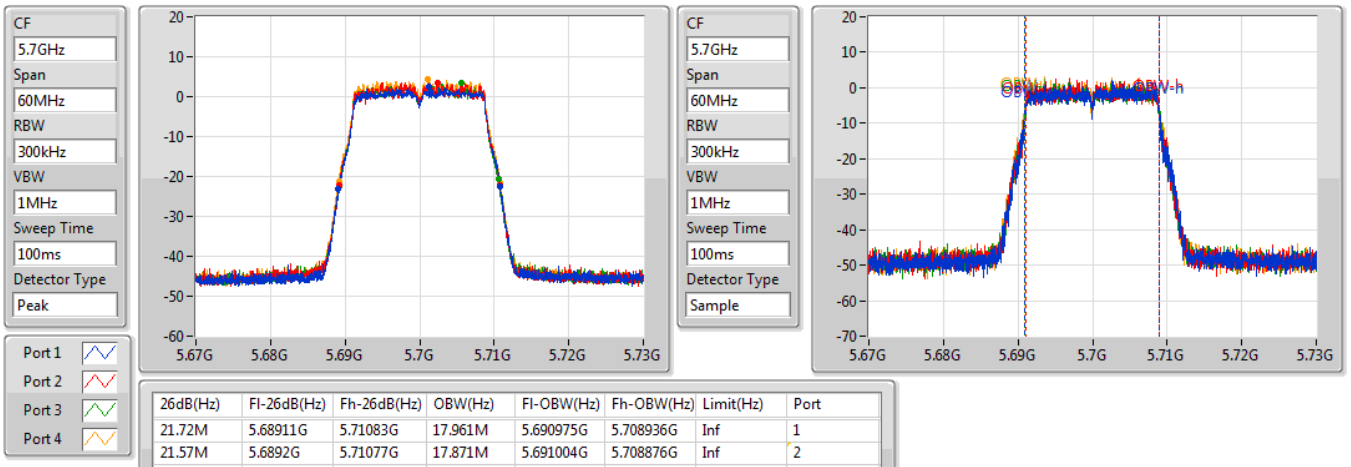


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.56902G	5.5908G	17.931M	5.570975G	5.588906G	Inf	1
21.51M	5.56917G	5.59068G	17.901M	5.570975G	5.588876G	Inf	2
21.66M	5.56914G	5.5908G	17.901M	5.570975G	5.588876G	Inf	3
21.69M	5.56905G	5.59074G	17.901M	5.570975G	5.588876G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5700MHz

29/12/2020

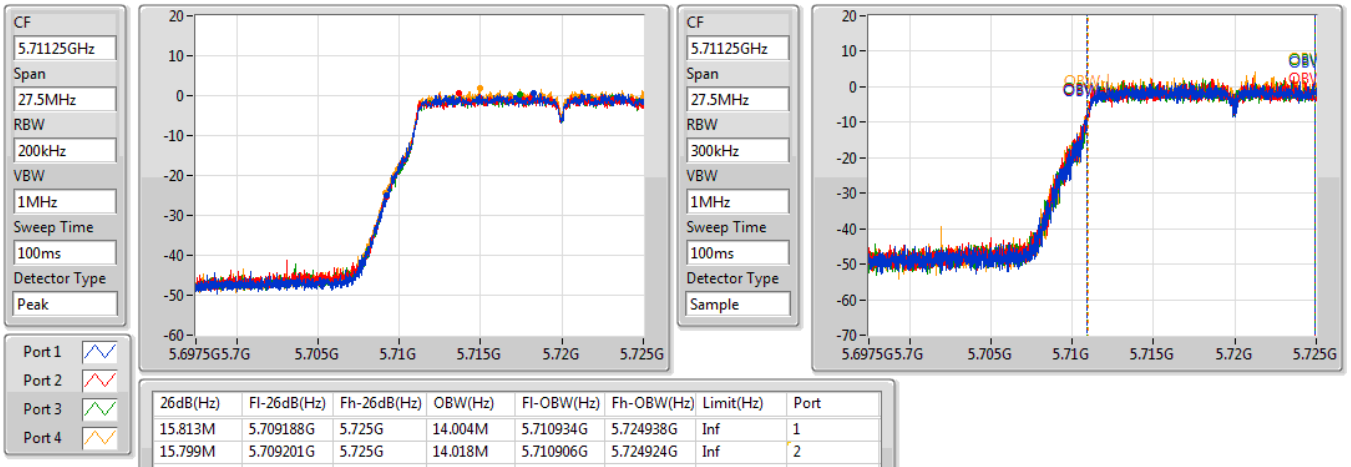


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.72M	5.68911G	5.71083G	17.961M	5.690975G	5.708936G	Inf	1
21.57M	5.6892G	5.71077G	17.871M	5.691004G	5.708876G	Inf	2
21.48M	5.68917G	5.71065G	17.961M	5.690975G	5.708936G	Inf	3
21.69M	5.68914G	5.71083G	17.931M	5.690975G	5.708906G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

29/12/2020

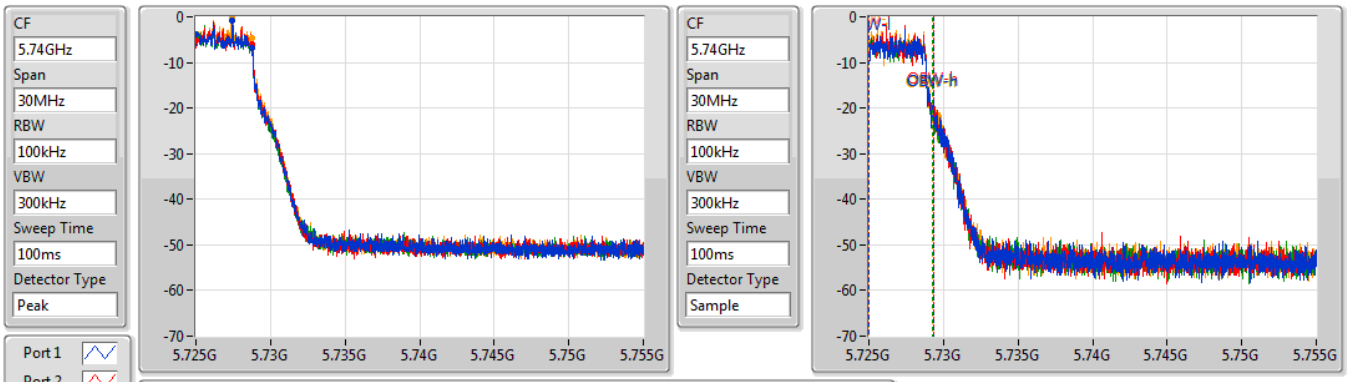


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.813M	5.709188G	5.725G	14.004M	5.710934G	5.724938G	Inf	1
15.799M	5.709201G	5.725G	14.018M	5.710906G	5.724924G	Inf	2
15.785M	5.709215G	5.725G	14.004M	5.710934G	5.724938G	Inf	3
15.868M	5.709133G	5.725G	13.991M	5.710948G	5.724938G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

29/12/2020

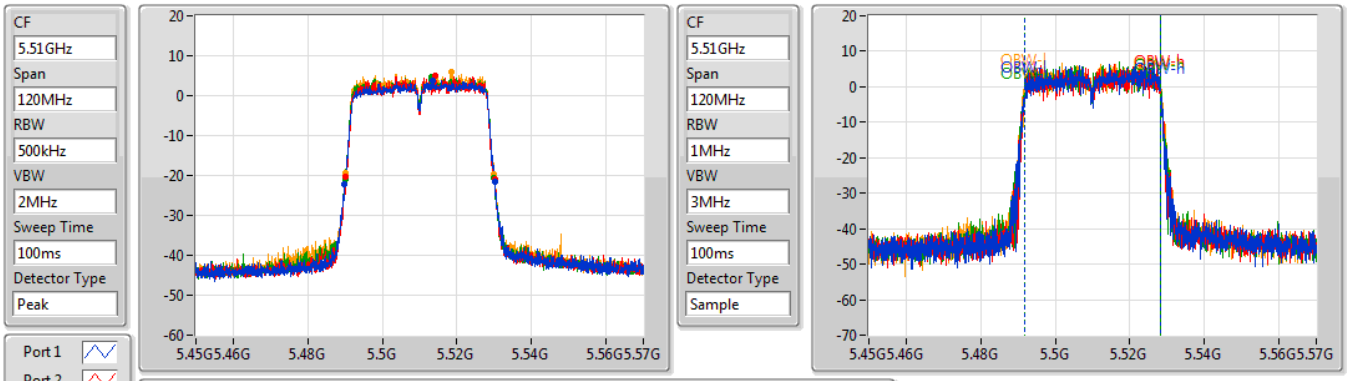


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.735M	5.725G	5.728735G	4.303M	5.725022G	5.729325G	500k	1
3.75M	5.725G	5.72875G	4.288M	5.725022G	5.72931G	500k	2
3.75M	5.725G	5.72875G	4.243M	5.725022G	5.729265G	500k	3
3.735M	5.725G	5.728735G	4.273M	5.725022G	5.729295G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5510MHz

29/12/2020

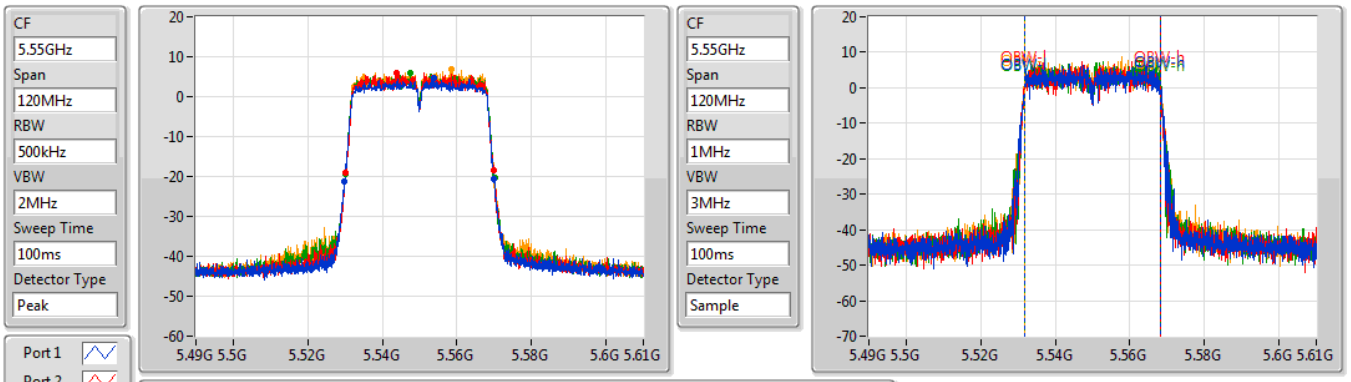


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.48984G	5.5301G	36.402M	5.491769G	5.528171G	Inf	1
39.84M	5.49026G	5.5301G	36.342M	5.491829G	5.528171G	Inf	2
40.08M	5.48996G	5.53004G	36.522M	5.491769G	5.528291G	Inf	3
39.84M	5.4902G	5.53004G	36.522M	5.491709G	5.528231G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5550MHz

29/12/2020

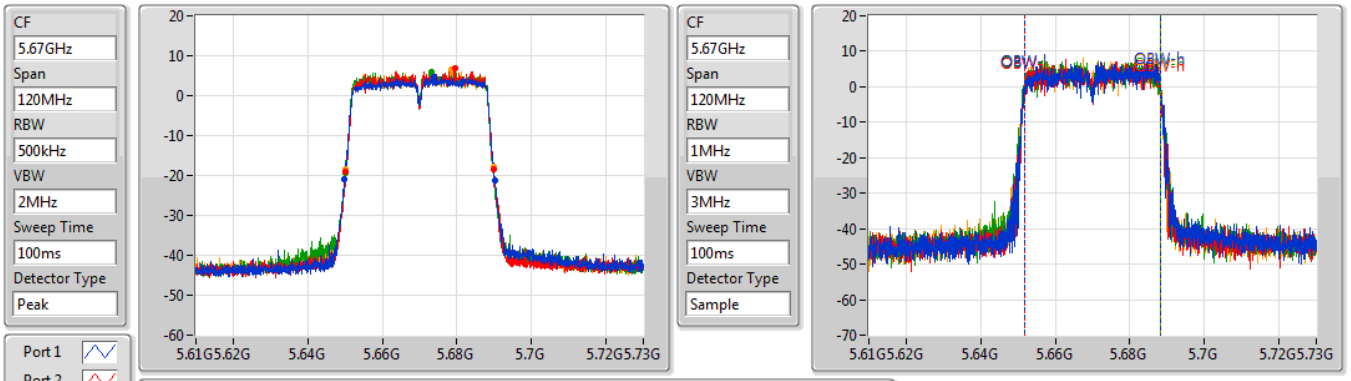


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.52978G	5.57004G	36.462M	5.531769G	5.568231G	Inf	1
39.66M	5.5302G	5.56986G	36.342M	5.531769G	5.568111G	Inf	2
40.08M	5.53002G	5.5701G	36.462M	5.531769G	5.568231G	Inf	3
39.9M	5.53008G	5.56998G	36.402M	5.531709G	5.568111G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5670MHz

29/12/2020

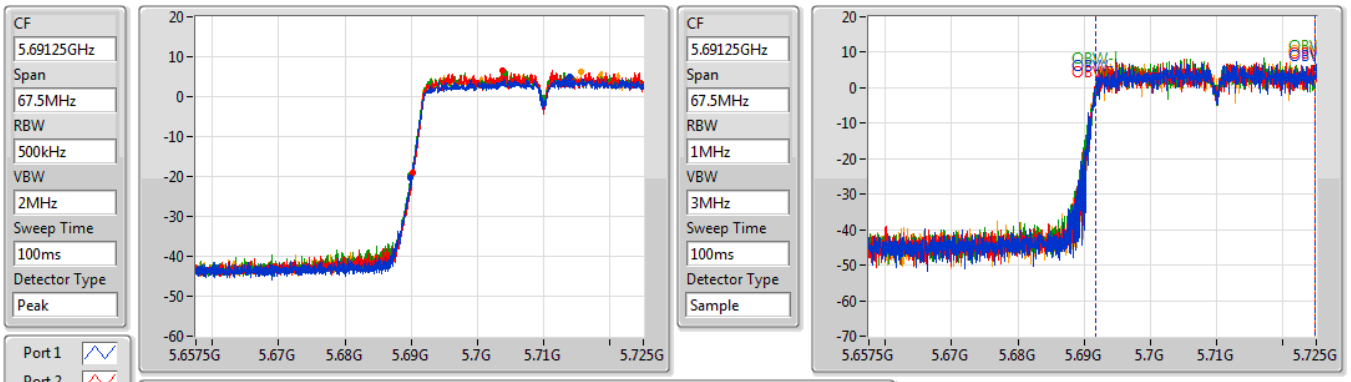


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.64984G	5.6901G	36.462M	5.651769G	5.688231G	Inf	1
39.78M	5.6502G	5.68998G	36.402M	5.651829G	5.688231G	Inf	2
40.02M	5.64996G	5.68998G	36.582M	5.651649G	5.688231G	Inf	3
39.6M	5.65026G	5.68986G	36.402M	5.651769G	5.688171G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.47-5.725GHz

29/12/2020

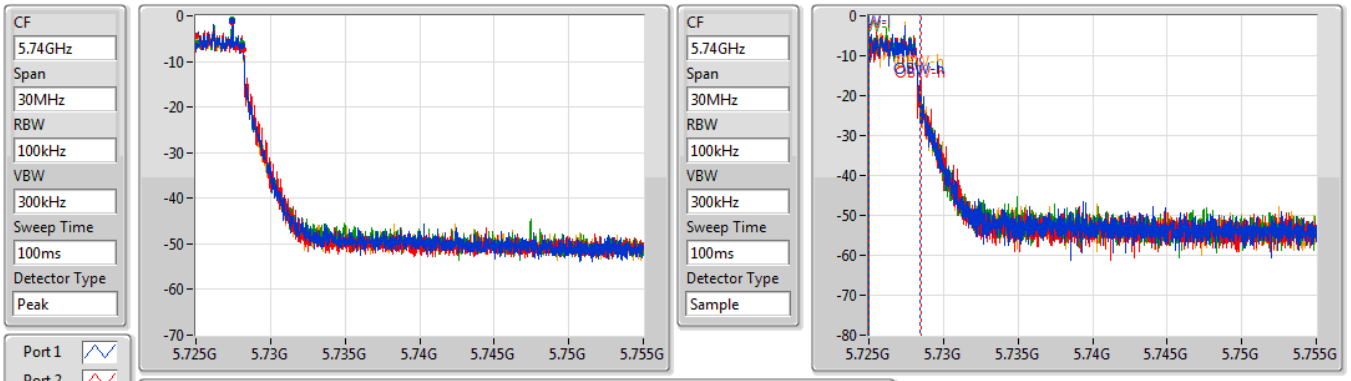


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.066M	5.689934G	5.725G	33.16M	5.691722G	5.724882G	Inf	1
34.864M	5.690136G	5.725G	33.193M	5.691655G	5.724848G	Inf	2
35.1M	5.6899G	5.725G	33.092M	5.691689G	5.724781G	Inf	3
34.931M	5.690069G	5.725G	33.092M	5.691722G	5.724814G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.725-5.85GHz

29/12/2020

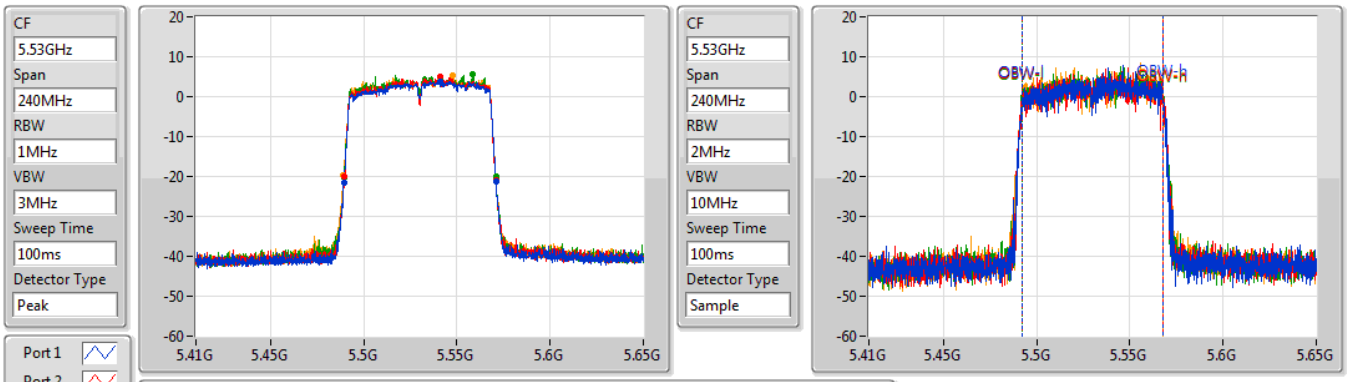


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.09M	5.725015G	5.728105G	3.433M	5.725022G	5.728456G	500k	1
3.18M	5.725G	5.72818G	3.448M	5.725022G	5.728471G	500k	2
3.105M	5.725G	5.728105G	3.433M	5.725022G	5.728456G	500k	3
3.105M	5.725G	5.728105G	3.433M	5.725022G	5.728456G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5530MHz

29/12/2020

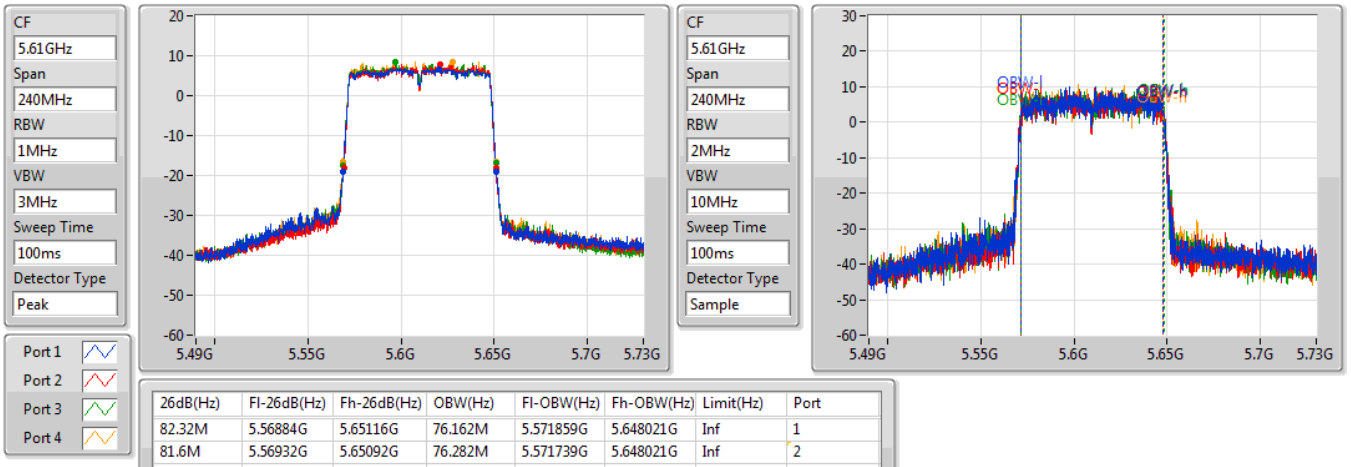


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.6M	5.48932G	5.57092G	75.802M	5.492219G	5.568021G	Inf	1
81.12M	5.48968G	5.5708G	76.042M	5.491979G	5.568021G	Inf	2
81.36M	5.48944G	5.5708G	75.922M	5.492099G	5.568021G	Inf	3
81.72M	5.4892G	5.57092G	75.922M	5.492099G	5.568021G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5610MHz

29/12/2020

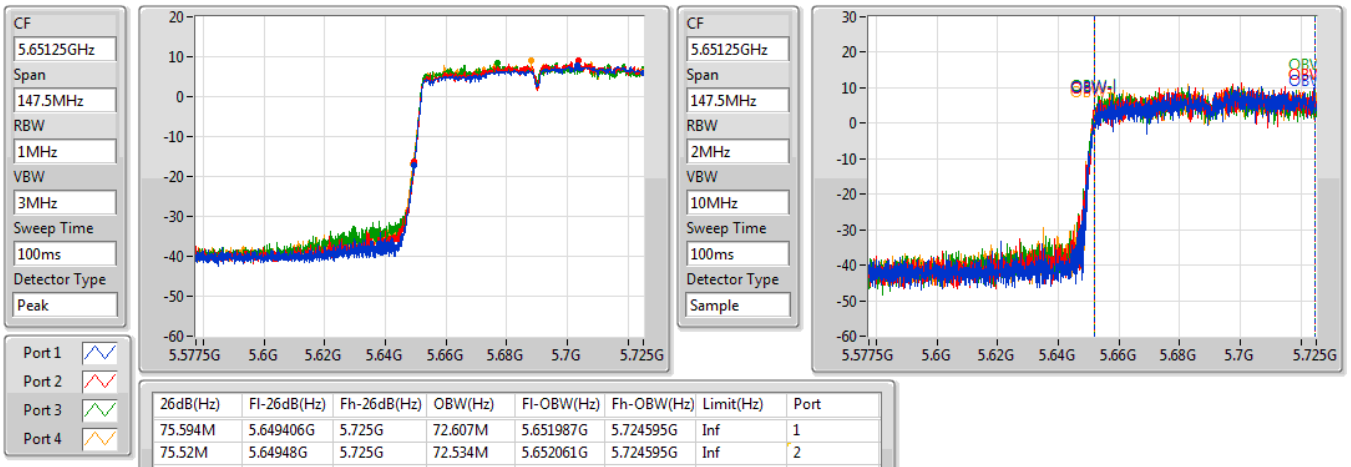


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	5.56884G	5.65116G	76.162M	5.571859G	5.648021G	Inf	1
81.6M	5.56932G	5.65092G	76.282M	5.571739G	5.648021G	Inf	2
81.6M	5.5692G	5.6508G	76.282M	5.571859G	5.648141G	Inf	3
81.84M	5.56896G	5.6508G	76.162M	5.571859G	5.648021G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.47-5.725GHz

29/12/2020

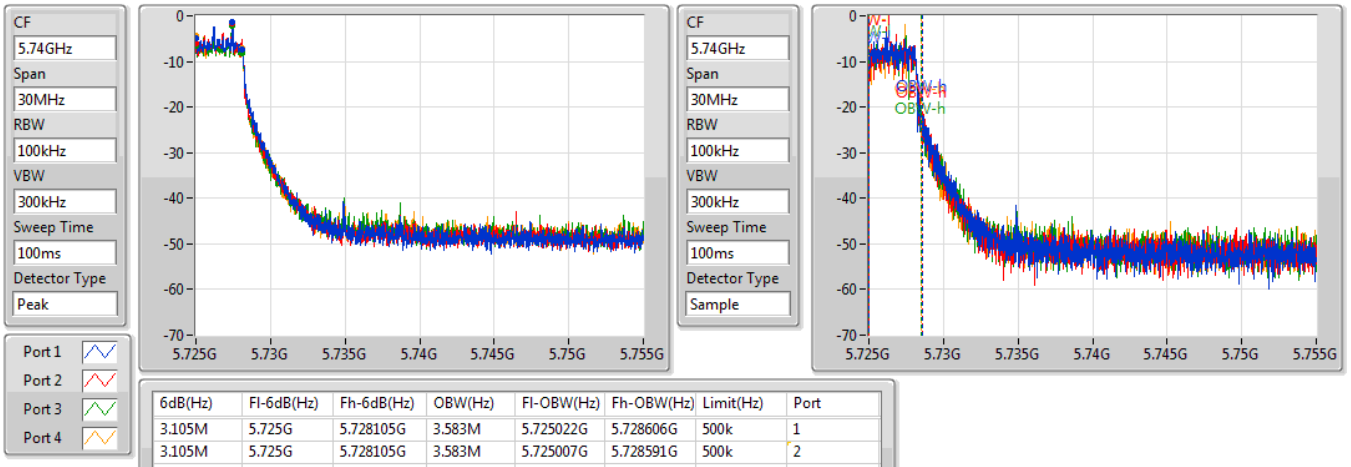


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.594M	5.649406G	5.725G	72.607M	5.651987G	5.724595G	Inf	1
75.52M	5.64948G	5.725G	72.534M	5.652061G	5.724595G	Inf	2
75.594M	5.649406G	5.725G	72.681M	5.651913G	5.724595G	Inf	3
75.889M	5.649111G	5.725G	72.681M	5.651913G	5.724595G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.725-5.85GHz

29/12/2020

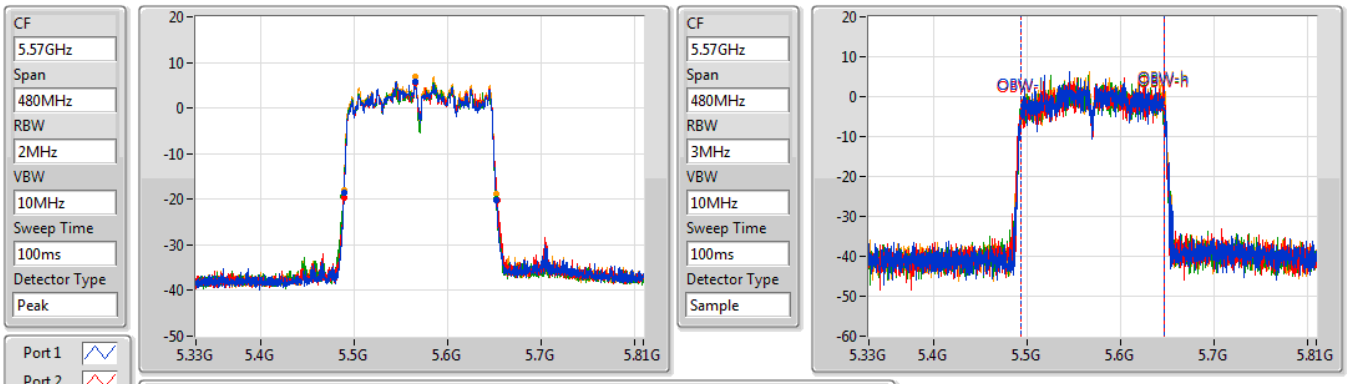


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.105M	5.725G	5.728105G	3.583M	5.725022G	5.728606G	500k	1
3.105M	5.725G	5.728105G	3.583M	5.725007G	5.728591G	500k	2
3.105M	5.725G	5.728105G	3.508M	5.725022G	5.728531G	500k	3
3.09M	5.725G	5.72809G	3.478M	5.725007G	5.728486G	500k	4

802.11ac VHT160_Nss1,(MCS0)_4TX EBW

5570MHz

29/12/2020

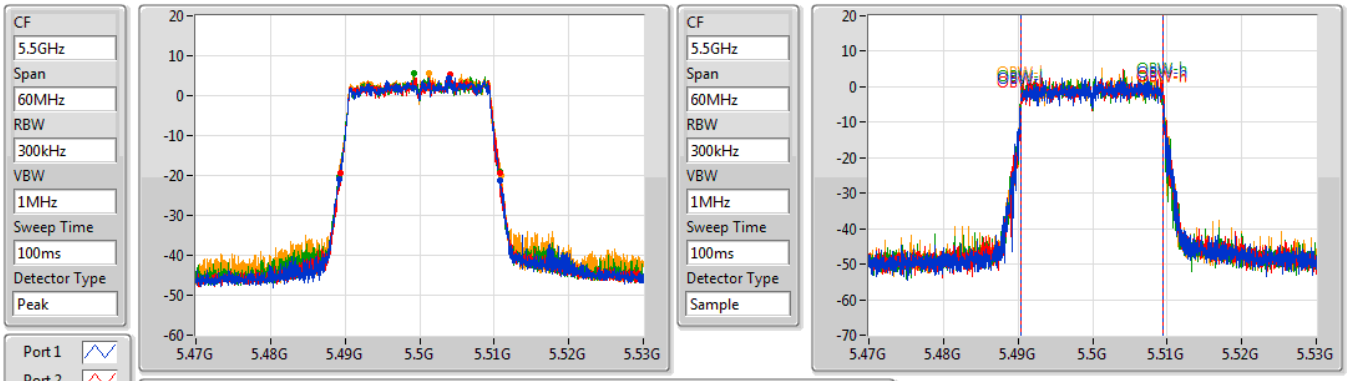


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.2M	5.48888G	5.65208G	154.003M	5.492999G	5.647001G	Inf	1
164.64M	5.48864G	5.65328G	154.483M	5.492999G	5.647481G	Inf	2
164.64M	5.48768G	5.65232G	154.483M	5.492759G	5.647241G	Inf	3
163.44M	5.48864G	5.65208G	154.243M	5.493238G	5.647481G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5500MHz

29/12/2020

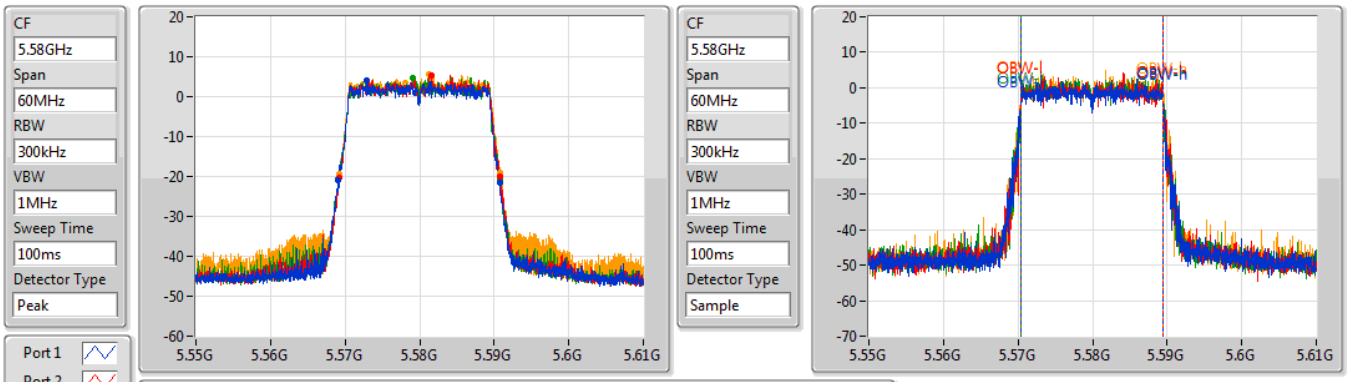


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.63M	5.48917G	5.5108G	19.01M	5.490435G	5.509445G	Inf	1
21.45M	5.48935G	5.5108G	19.04M	5.490435G	5.509475G	Inf	2
21.51M	5.4892G	5.51071G	19.01M	5.490435G	5.509445G	Inf	3
21.72M	5.48917G	5.51089G	19.04M	5.490435G	5.509475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5580MHz

29/12/2020



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.69M	5.56911G	5.5908G	19.04M	5.570405G	5.589445G	Inf	1
21.63M	5.56917G	5.5908G	19.04M	5.570405G	5.589445G	Inf	2
21.75M	5.56908G	5.59083G	19.01M	5.570435G	5.589445G	Inf	3
21.69M	5.56917G	5.59086G	19.01M	5.570435G	5.589445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5700MHz

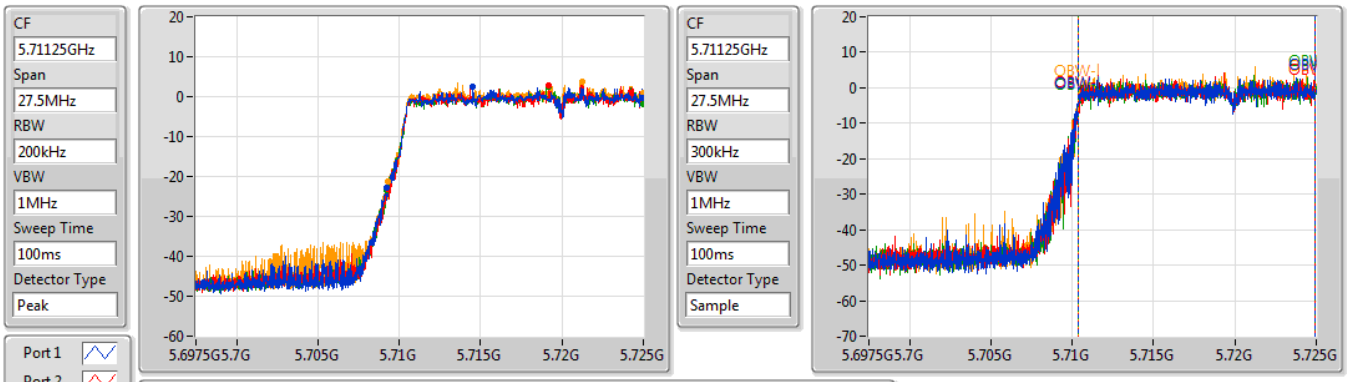
29/12/2020

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.57M	5.68914G	5.71071G	19.01M	5.690435G	5.709445G	Inf	1
21.54M	5.68926G	5.7108G	18.981M	5.690465G	5.709445G	Inf	2
21.78M	5.68908G	5.71086G	19.04M	5.690405G	5.709445G	Inf	3
21.69M	5.6892G	5.71089G	18.981M	5.690435G	5.709415G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

29/12/2020

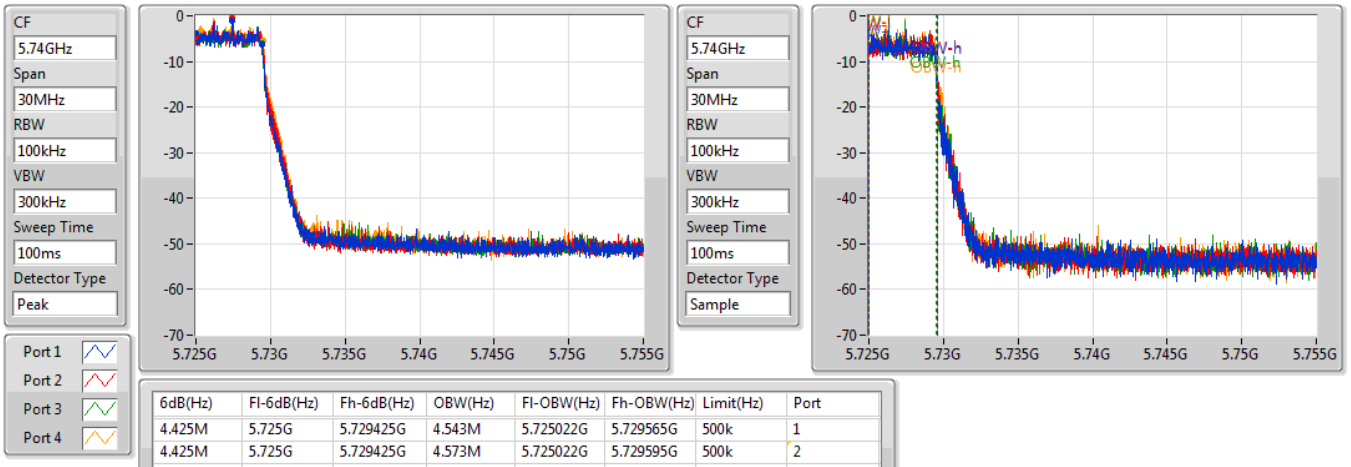


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.744M	5.709256G	5.725G	14.568M	5.71037G	5.724938G	Inf	1
15.675M	5.709325G	5.725G	14.526M	5.710398G	5.724924G	Inf	2
15.785M	5.709215G	5.725G	14.554M	5.710384G	5.724938G	Inf	3
15.675M	5.709325G	5.725G	14.54M	5.710384G	5.724924G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

29/12/2020

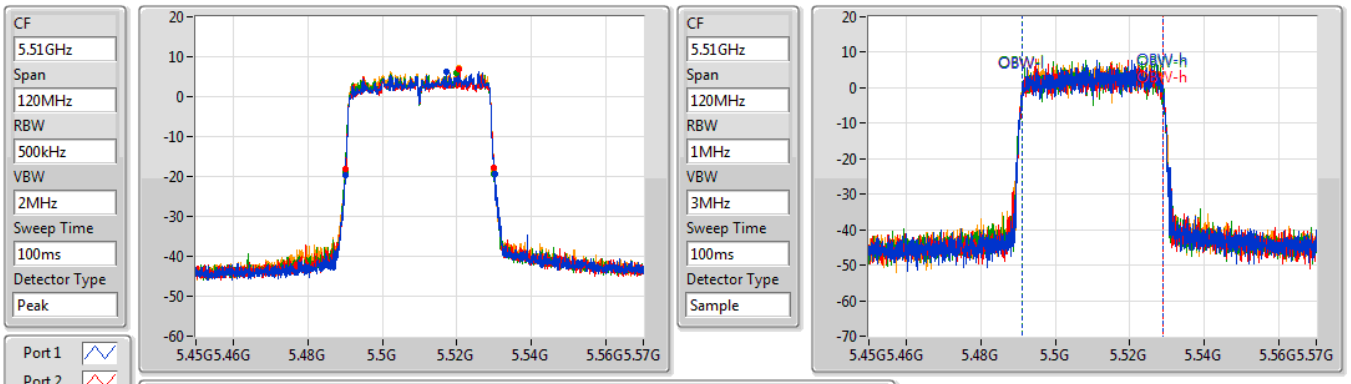


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.425M	5.725G	5.729425G	4.543M	5.725022G	5.729565G	500k	1
4.425M	5.725G	5.729425G	4.573M	5.725022G	5.729595G	500k	2
4.41M	5.725G	5.72941G	4.528M	5.725022G	5.72955G	500k	3
4.485M	5.725G	5.729485G	4.573M	5.725022G	5.729595G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5510MHz

29/12/2020

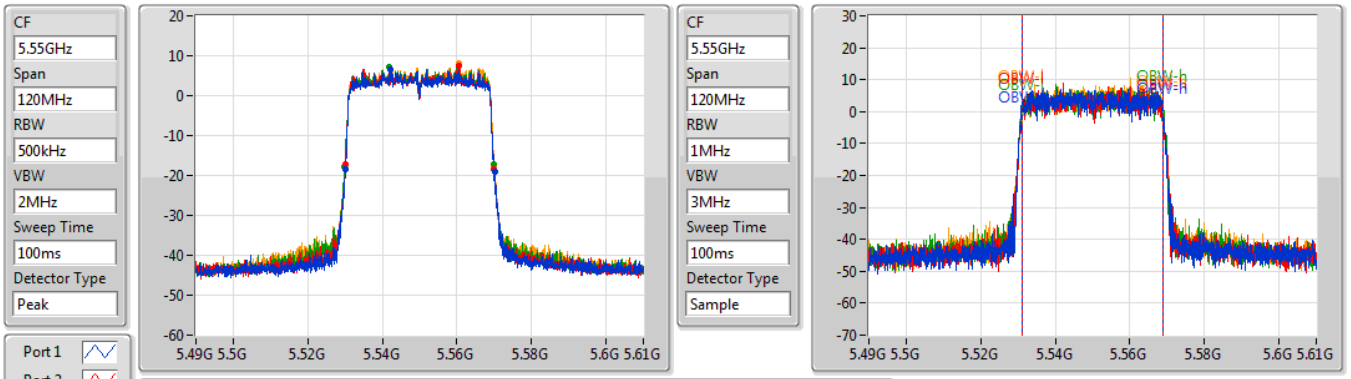


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.49008G	5.5301G	37.781M	5.491109G	5.528891G	Inf	1
39.78M	5.49014G	5.52992G	37.781M	5.491109G	5.528891G	Inf	2
39.96M	5.48996G	5.52992G	37.781M	5.491109G	5.528891G	Inf	3
40.08M	5.48996G	5.53004G	37.721M	5.491169G	5.528891G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5550MHz

29/12/2020

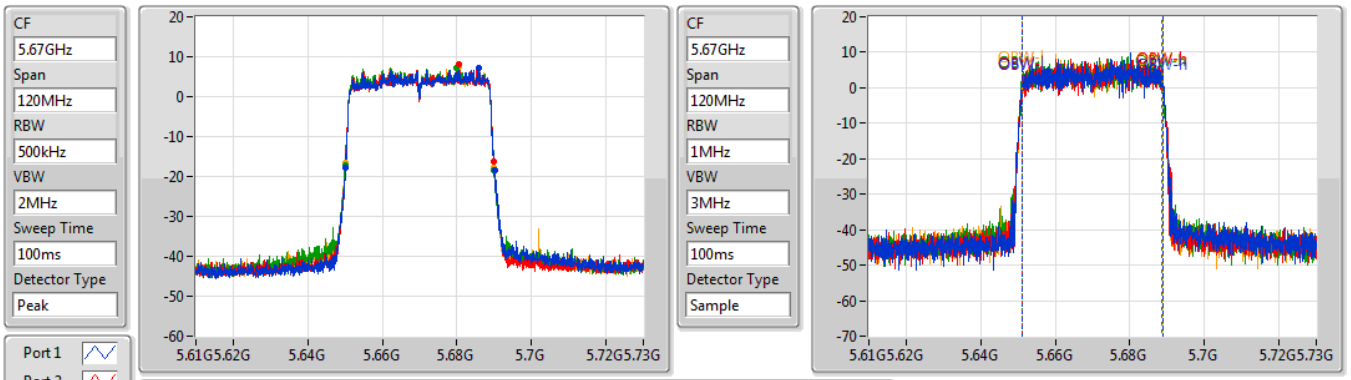


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.53002G	5.5701G	37.781M	5.53099G	5.568771G	Inf	1
39.9M	5.53008G	5.56998G	37.661M	5.531109G	5.568771G	Inf	2
40.02M	5.5299G	5.56992G	37.841M	5.53099G	5.568831G	Inf	3
40.02M	5.53002G	5.57004G	37.721M	5.531109G	5.568831G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5670MHz

29/12/2020



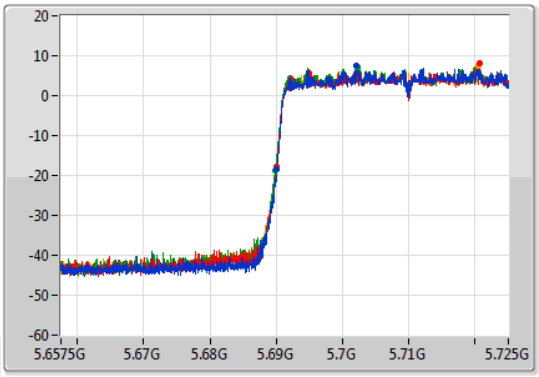
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.65008G	5.69016G	37.721M	5.651169G	5.688891G	Inf	1
39.84M	5.65008G	5.68992G	37.721M	5.651169G	5.688891G	Inf	2
39.96M	5.64996G	5.68992G	37.601M	5.651109G	5.688711G	Inf	3
39.96M	5.65002G	5.68998G	37.721M	5.651109G	5.688831G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

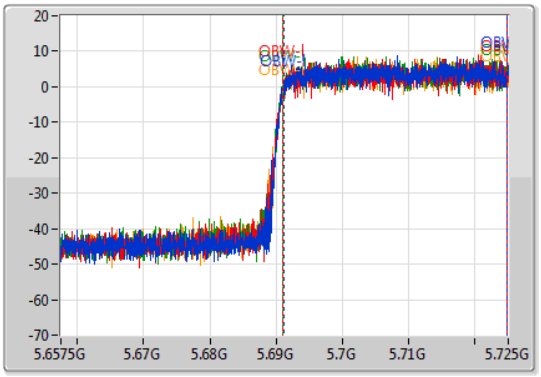
5710MHz Straddle 5.47-5.725GHz

29/12/2020

CF	5.69125GHz
Span	67.5MHz
RBW	500kHz
VBW	2MHz
Sweep Time	100ms
Detector Type	Peak



CF	5.69125GHz
Span	67.5MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



Port 1
Port 2
Port 3
Port 4

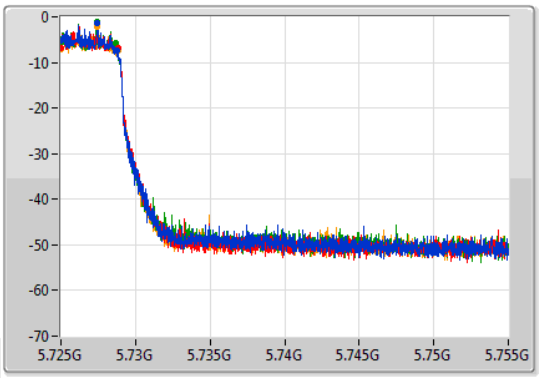
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.931M	5.690069G	5.725G	33.733M	5.691115G	5.724848G	Inf	1
34.931M	5.690069G	5.725G	33.733M	5.691048G	5.724781G	Inf	2
35.168M	5.689833G	5.725G	33.733M	5.691048G	5.724781G	Inf	3
34.999M	5.690001G	5.725G	33.767M	5.691048G	5.724814G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

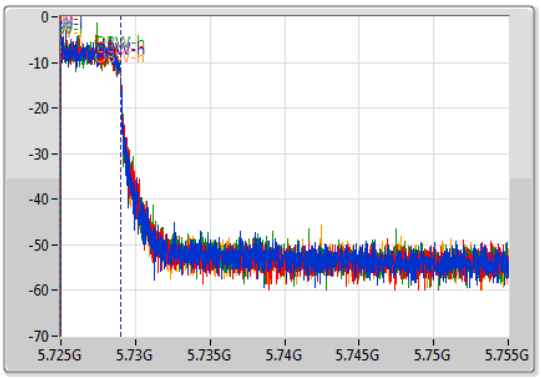
5710MHz Straddle 5.725-5.85GHz

29/12/2020

CF	5.74GHz
Span	30MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak



CF	5.74GHz
Span	30MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Sample



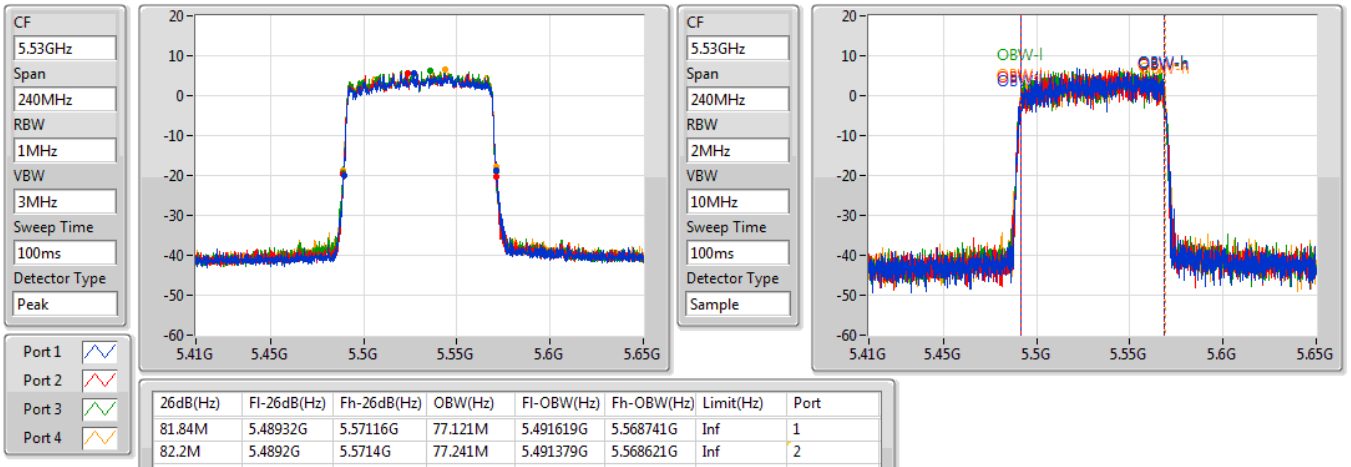
Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.735M	5.725G	5.728735G	4.003M	5.725022G	5.729025G	500k	1
3.825M	5.725G	5.728825G	4.018M	5.725022G	5.72904G	500k	2
3.69M	5.725G	5.72869G	3.988M	5.725022G	5.72901G	500k	3
3.825M	5.725G	5.728825G	4.018M	5.725022G	5.72904G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5530MHz

29/12/2020

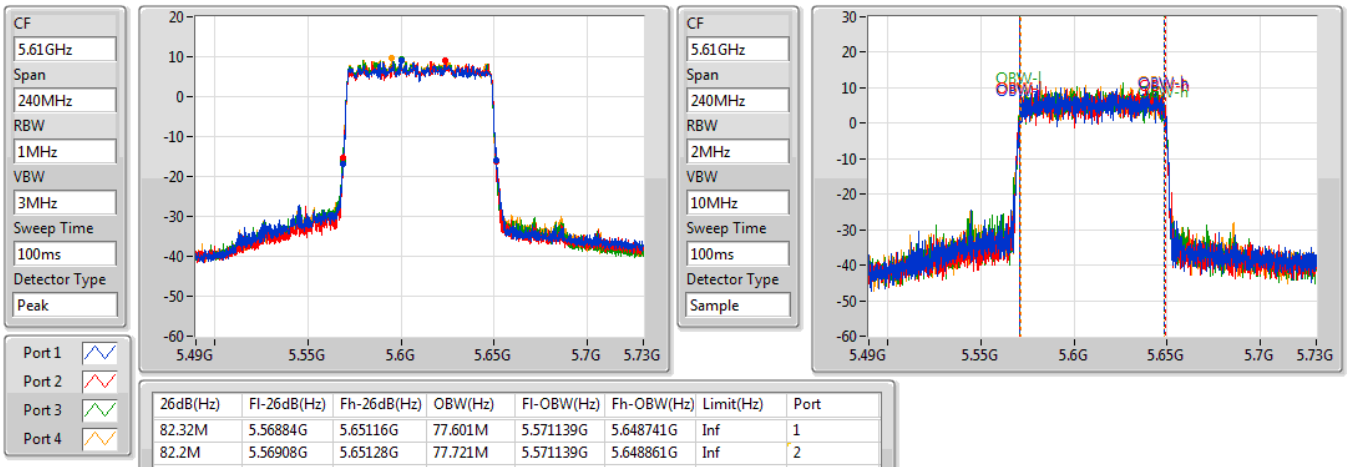


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	5.48932G	5.57116G	77.121M	5.491619G	5.568741G	Inf	1
82.2M	5.4892G	5.5714G	77.241M	5.491379G	5.568621G	Inf	2
81.84M	5.48896G	5.5708G	77.361M	5.491379G	5.568741G	Inf	3
81.6M	5.4892G	5.5708G	77.481M	5.491379G	5.568861G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5610MHz

29/12/2020

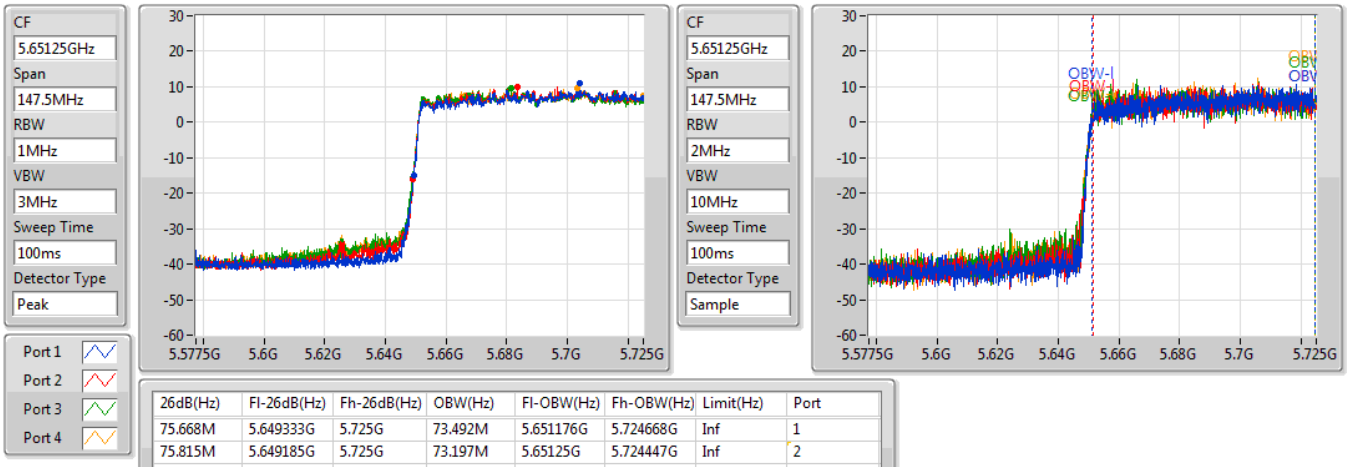


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	5.56884G	5.65116G	77.601M	5.571139G	5.648741G	Inf	1
82.2M	5.56908G	5.65128G	77.721M	5.571139G	5.648861G	Inf	2
81.96M	5.56884G	5.6508G	77.601M	5.571019G	5.648621G	Inf	3
81.84M	5.56908G	5.65092G	77.361M	5.571259G	5.648621G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.47-5.725GHz

29/12/2020

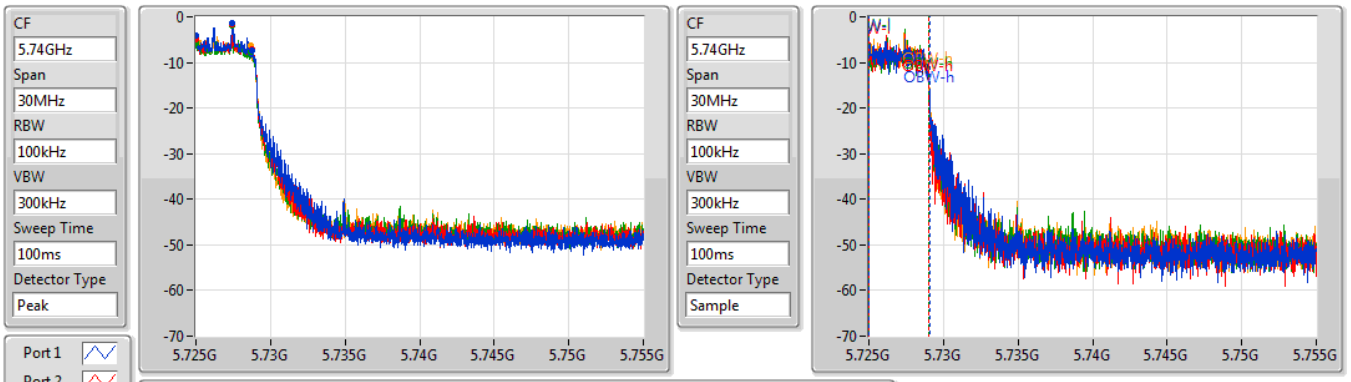


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.668M	5.649333G	5.725G	73.492M	5.651176G	5.724668G	Inf	1
75.815M	5.649185G	5.725G	73.197M	5.65125G	5.724447G	Inf	2
76.036M	5.648964G	5.725G	73.492M	5.651176G	5.724668G	Inf	3
75.889M	5.649111G	5.725G	73.492M	5.65125G	5.724742G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.725-5.85GHz

29/12/2020

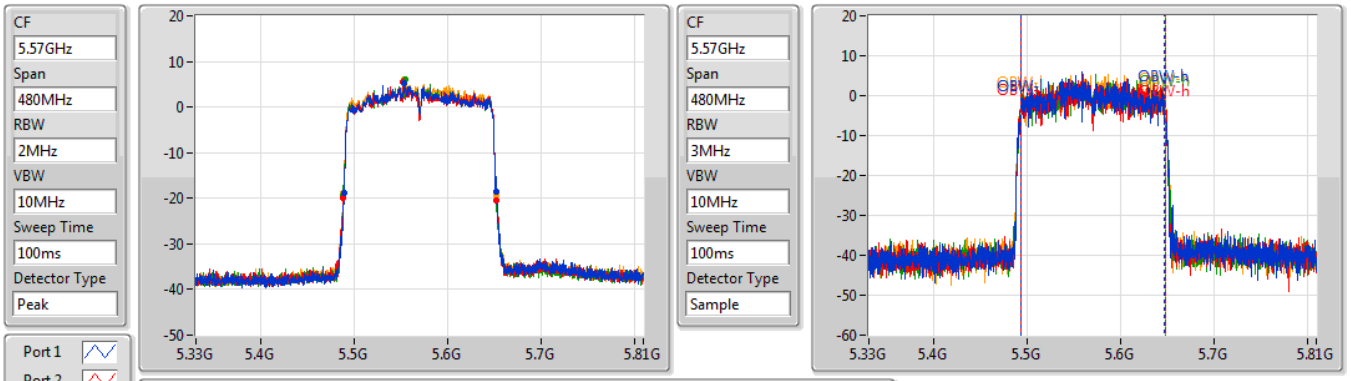


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.795M	5.725G	5.728795G	4.063M	5.725022G	5.729085G	500k	1
3.78M	5.725G	5.72878G	4.018M	5.725022G	5.72904G	500k	2
3.69M	5.725G	5.72869G	4.018M	5.725007G	5.729025G	500k	3
3.69M	5.725G	5.72869G	4.018M	5.725022G	5.72904G	500k	4

802.11ax HEW160_Nss1,(MCS0)_4TX EBW

5570MHz

29/12/2020



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.44M	5.48888G	5.65232G	154.723M	5.492759G	5.647481G	Inf	1
163.92M	5.4884G	5.65232G	155.202M	5.492759G	5.647961G	Inf	2
164.16M	5.48792G	5.65208G	154.963M	5.492759G	5.647721G	Inf	3
164.16M	5.48816G	5.65232G	154.963M	5.492759G	5.647721G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT160_Nss1,(MCS0)_4TX	82.68M	77.361M	77M4D1D	81.72M	76.642M
802.11ax HEW160_Nss1,(MCS0)_4TX	82.68M	78.081M	78M1D1D	81.6M	77.841M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.69M	16.822M	16M8D1D	21.39M	16.612M
802.11n HT20_Nss1,(MCS0)_4TX	21.75M	17.871M	17M9D1D	21.36M	17.751M
802.11n HT40_Nss1,(MCS0)_4TX	40.26M	36.582M	36M6D1D	39.48M	36.402M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.78M	17.961M	18M0D1D	21.36M	17.811M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.26M	36.462M	36M5D1D	39.72M	36.402M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.72M	76.282M	76M3D1D	81.12M	76.042M
802.11ac VHT160_Nss1,(MCS0)_4TX	83.04M	76.882M	76M9D1D	81.84M	76.642M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.78M	19.07M	19M1D1D	21.48M	18.951M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.38M	37.841M	37M8D1D	39.78M	37.601M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.32M	77.601M	77M6D1D	81.72M	77.241M
802.11ax HEW160_Nss1,(MCS0)_4TX	82.92M	78.201M	78M2D1D	82.44M	77.721M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.72M	16.762M	16M8D1D	15.51M	13.372M
802.11n HT20_Nss1,(MCS0)_4TX	21.75M	17.901M	17M9D1D	15.703M	13.922M
802.11n HT40_Nss1,(MCS0)_4TX	40.26M	36.642M	36M6D1D	34.796M	33.126M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.78M	17.961M	18M0D1D	15.744M	13.949M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.32M	36.582M	36M6D1D	34.864M	33.126M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.84M	76.162M	76M2D1D	75.52M	72.607M
802.11ac VHT160_Nss1,(MCS0)_4TX	164.88M	154.483M	154MD1D	163.92M	154.243M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.72M	19.01M	19M0D1D	15.565M	14.513M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.32M	37.841M	37M8D1D	34.965M	33.767M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.44M	77.721M	77M7D1D	75.889M	73.271M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.12M	155.682M	156MD1D	164.4M	154.963M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.21M	3.988M	3M99D1D	3.12M	3.883M
802.11n HT20_Nss1,(MCS0)_4TX	3.765M	4.258M	4M26D1D	3.735M	4.198M
802.11n HT40_Nss1,(MCS0)_4TX	3.135M	3.478M	3M48D1D	3.09M	3.433M
802.11ac VHT20_Nss1,(MCS0)_4TX	3.765M	4.333M	4M33D1D	3.735M	4.168M
802.11ac VHT40_Nss1,(MCS0)_4TX	3.195M	3.523M	3M52D1D	3.105M	3.448M
802.11ac VHT80_Nss1,(MCS0)_4TX	3.105M	3.583M	3M58D1D	3M	3.523M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.515M	4.558M	4M56D1D	4.425M	4.498M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.81M	4.018M	4M02D1D	3.75M	4.003M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.795M	4.063M	4M06D1D	3.465M	4.033M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.45M	16.732M	21.69M	16.822M	21.69M	16.762M	21.63M	16.702M
5300MHz	Pass	Inf	21.39M	16.672M	21.45M	16.612M	21.45M	16.672M	21.42M	16.612M
5320MHz	Pass	Inf	21.42M	16.672M	21.48M	16.702M	21.63M	16.762M	21.51M	16.642M
5500MHz	Pass	Inf	21.45M	16.642M	21.51M	16.642M	21.57M	16.762M	21.48M	16.612M
5580MHz	Pass	Inf	21.42M	16.702M	21.06M	16.642M	21.39M	16.642M	21.39M	16.552M
5700MHz	Pass	Inf	21.42M	16.642M	21.72M	16.732M	21.48M	16.702M	21.33M	16.702M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.51M	13.372M	15.675M	13.386M	15.716M	13.441M	15.73M	13.427M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.913M	3.12M	3.958M	3.21M	3.988M	3.15M	3.883M
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.72M	17.871M	21.51M	17.811M	21.36M	17.811M	21.51M	17.841M
5300MHz	Pass	Inf	21.72M	17.781M	21.54M	17.811M	21.42M	17.751M	21.42M	17.811M
5320MHz	Pass	Inf	21.75M	17.841M	21.45M	17.841M	21.48M	17.841M	21.45M	17.811M
5500MHz	Pass	Inf	21.69M	17.901M	21.42M	17.841M	21.51M	17.811M	21.48M	17.781M
5580MHz	Pass	Inf	21.72M	17.901M	21.48M	17.841M	21.42M	17.811M	21.42M	17.841M
5700MHz	Pass	Inf	21.75M	17.871M	21.51M	17.811M	21.45M	17.811M	21.51M	17.811M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.854M	13.977M	15.785M	13.922M	15.703M	13.922M	15.703M	13.963M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.75M	4.258M	3.75M	4.243M	3.735M	4.228M	3.765M	4.198M
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.26M	36.402M	39.54M	36.462M	39.66M	36.522M	39.6M	36.462M
5310MHz	Pass	Inf	40.08M	36.522M	39.48M	36.402M	40.02M	36.582M	39.66M	36.402M
5510MHz	Pass	Inf	40.08M	36.582M	39.48M	36.462M	39.66M	36.462M	39.72M	36.402M
5550MHz	Pass	Inf	40.02M	36.462M	39.48M	36.462M	39.72M	36.462M	39.54M	36.462M
5670MHz	Pass	Inf	40.26M	36.462M	39.48M	36.402M	39.66M	36.642M	39.66M	36.462M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.1M	33.16M	34.796M	33.126M	34.864M	33.227M	34.864M	33.193M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.448M	3.135M	3.478M	3.105M	3.433M	3.09M	3.448M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.66M	17.961M	21.57M	17.871M	21.51M	17.901M	21.69M	17.871M
5300MHz	Pass	Inf	21.75M	17.871M	21.51M	17.841M	21.36M	17.841M	21.72M	17.841M
5320MHz	Pass	Inf	21.78M	17.901M	21.63M	17.811M	21.42M	17.811M	21.72M	17.841M
5500MHz	Pass	Inf	21.75M	17.811M	21.54M	17.841M	21.48M	17.961M	21.69M	17.781M
5580MHz	Pass	Inf	21.78M	17.871M	21.48M	17.931M	21.48M	17.871M	21.57M	17.871M
5700MHz	Pass	Inf	21.75M	17.871M	21.51M	17.901M	21.42M	17.811M	21.69M	17.841M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.758M	13.949M	15.744M	13.977M	15.758M	14.018M	15.799M	14.004M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.735M	4.333M	3.765M	4.258M	3.735M	4.213M	3.735M	4.168M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.2M	36.462M	39.72M	36.462M	40.2M	36.462M	39.84M	36.462M
5310MHz	Pass	Inf	40.26M	36.462M	39.72M	36.462M	40.08M	36.462M	40.02M	36.402M
5510MHz	Pass	Inf	40.32M	36.462M	39.54M	36.462M	39.96M	36.462M	39.78M	36.462M
5550MHz	Pass	Inf	40.2M	36.522M	39.84M	36.522M	39.96M	36.462M	39.84M	36.462M
5670MHz	Pass	Inf	40.26M	36.462M	39.78M	36.462M	39.84M	36.462M	39.9M	36.582M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.201M	33.126M	34.864M	33.126M	34.965M	33.126M	35.033M	33.227M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	3.478M	3.195M	3.508M	3.12M	3.448M	3.105M	3.523M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.6M	76.162M	81.36M	76.042M	81.12M	76.282M	81.72M	76.162M
5530MHz	Pass	Inf	81.72M	76.042M	81.6M	76.162M	81.36M	76.042M	81.84M	76.042M
5610MHz	Pass	Inf	81.72M	76.162M	81.36M	76.162M	81.48M	76.162M	81.6M	76.162M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.815M	72.607M	75.52M	72.755M	75.668M	72.902M	76.11M	72.607M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.09M	3.583M	3.105M	3.583M	3M	3.523M	3.09M	3.553M
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.72M	76.642M	81.72M	76.762M	82.68M	77.361M	81.96M	77.001M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.96M	76.762M	83.04M	76.642M	82.2M	76.882M	81.84M	76.762M
5570MHz	Pass	Inf	164.16M	154.483M	164.88M	154.483M	164.64M	154.243M	163.92M	154.483M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.72M	19.01M	21.57M	19.01M	21.66M	18.951M	21.54M	18.981M

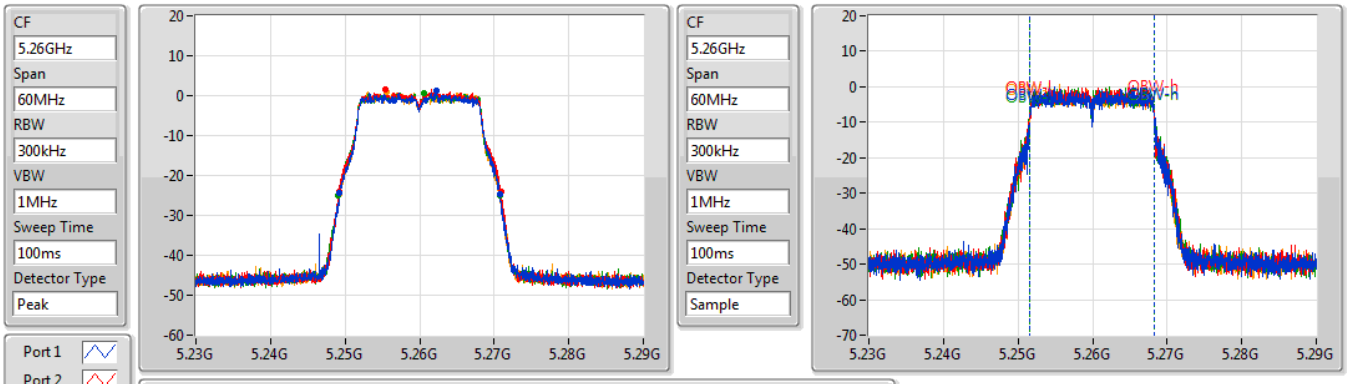
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5300MHz	Pass	Inf	21.57M	18.981M	21.48M	19.07M	21.75M	18.981M	21.72M	18.981M
5320MHz	Pass	Inf	21.6M	19.04M	21.57M	19.04M	21.78M	19.01M	21.69M	19.04M
5500MHz	Pass	Inf	21.63M	18.981M	21.45M	19.01M	21.66M	19.01M	21.72M	19.01M
5580MHz	Pass	Inf	21.57M	19.01M	21.27M	19.01M	21.54M	18.951M	21.72M	19.01M
5700MHz	Pass	Inf	21.63M	19.01M	21.6M	18.981M	21.66M	18.951M	21.48M	18.981M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.785M	14.513M	15.565M	14.513M	15.799M	14.513M	15.648M	14.513M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.543M	4.425M	4.558M	4.425M	4.498M	4.515M	4.543M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.02M	37.841M	39.96M	37.661M	40.02M	37.721M	40.14M	37.781M
5310MHz	Pass	Inf	40.38M	37.841M	39.78M	37.721M	40.26M	37.661M	39.96M	37.601M
5510MHz	Pass	Inf	40.2M	37.781M	39.9M	37.781M	40.32M	37.841M	40.14M	37.841M
5550MHz	Pass	Inf	40.02M	37.721M	39.96M	37.781M	40.08M	37.721M	40.08M	37.661M
5670MHz	Pass	Inf	40.08M	37.721M	39.84M	37.841M	40.08M	37.661M	40.14M	37.721M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.965M	33.801M	34.965M	33.834M	35.168M	33.767M	35.134M	33.801M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.75M	4.003M	3.81M	4.018M	3.78M	4.003M	3.75M	4.003M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.32M	77.241M	81.72M	77.601M	81.84M	77.361M	82.08M	77.481M
5530MHz	Pass	Inf	81.96M	77.361M	82.08M	77.481M	82.44M	77.601M	82.32M	77.601M
5610MHz	Pass	Inf	81.96M	77.481M	81.96M	77.721M	82.08M	77.361M	82.32M	77.601M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.889M	73.345M	75.889M	73.271M	76.184M	73.345M	75.963M	73.492M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.795M	4.048M	3.675M	4.048M	3.72M	4.033M	3.465M	4.063M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.96M	78.081M	81.6M	78.081M	82.68M	77.961M	82.32M	77.841M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.92M	77.961M	82.56M	77.721M	82.68M	78.201M	82.44M	77.961M
5570MHz	Pass	Inf	164.88M	155.202M	164.64M	154.963M	165.12M	155.682M	164.4M	155.442M

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

30/12/2020

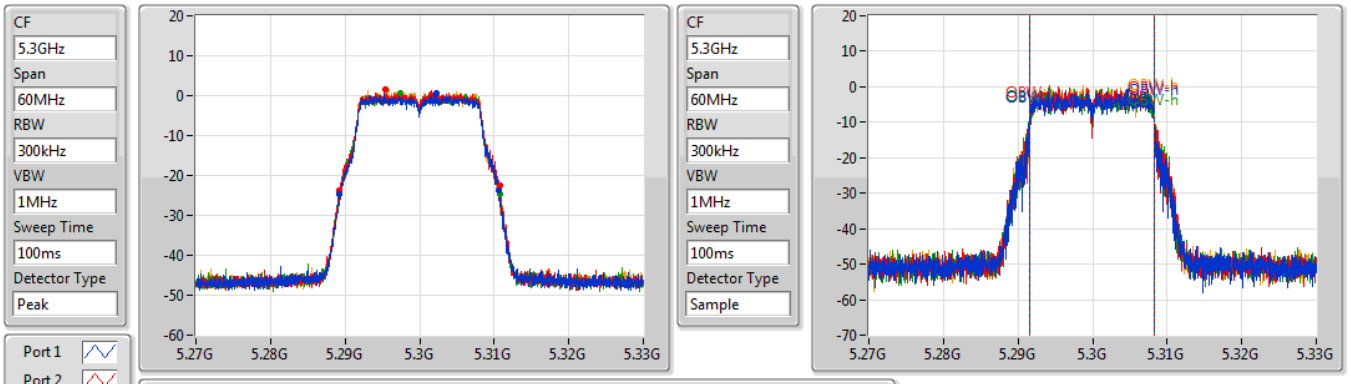


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.24929G	5.27074G	16.732M	5.251574G	5.268306G	Inf	1
21.69M	5.2492G	5.27089G	16.822M	5.251514G	5.268336G	Inf	2
21.69M	5.24911G	5.2708G	16.762M	5.251574G	5.268336G	Inf	3
21.63M	5.2492G	5.27083G	16.702M	5.251604G	5.268306G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5300MHz

30/12/2020

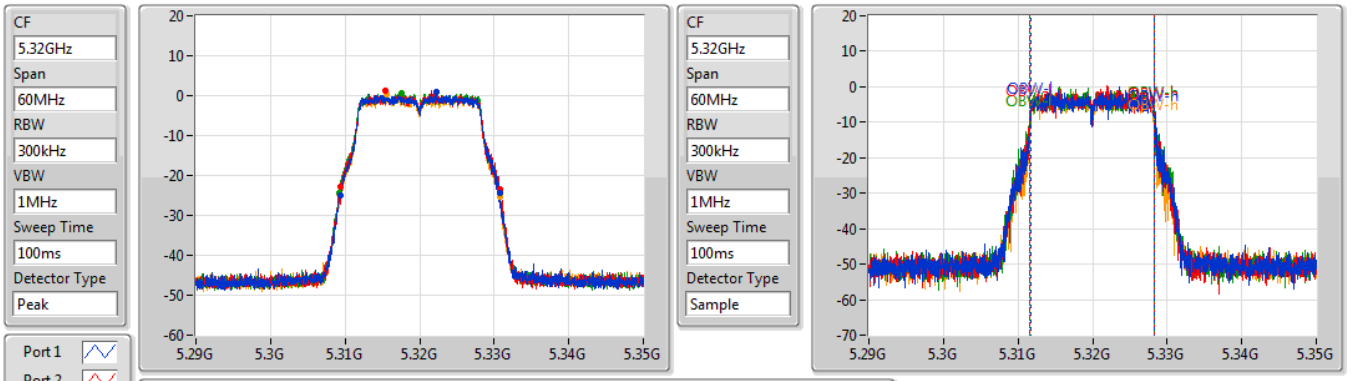


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.28926G	5.31065G	16.672M	5.291604G	5.308276G	Inf	1
21.45M	5.28929G	5.31074G	16.612M	5.291634G	5.308246G	Inf	2
21.45M	5.28926G	5.31071G	16.672M	5.291574G	5.308246G	Inf	3
21.42M	5.28926G	5.31068G	16.612M	5.291604G	5.308216G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5320MHz

30/12/2020

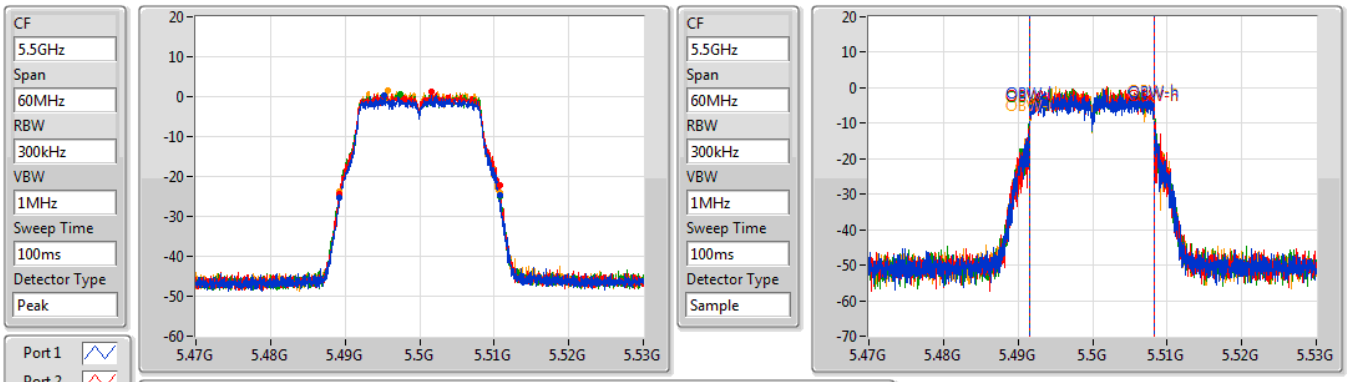


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.30932G	5.33074G	16.672M	5.311664G	5.328336G	Inf	1
21.48M	5.30935G	5.33083G	16.702M	5.311604G	5.328306G	Inf	2
21.63M	5.30917G	5.3308G	16.762M	5.311544G	5.328306G	Inf	3
21.51M	5.30929G	5.3308G	16.642M	5.311634G	5.328276G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5500MHz

30/12/2020

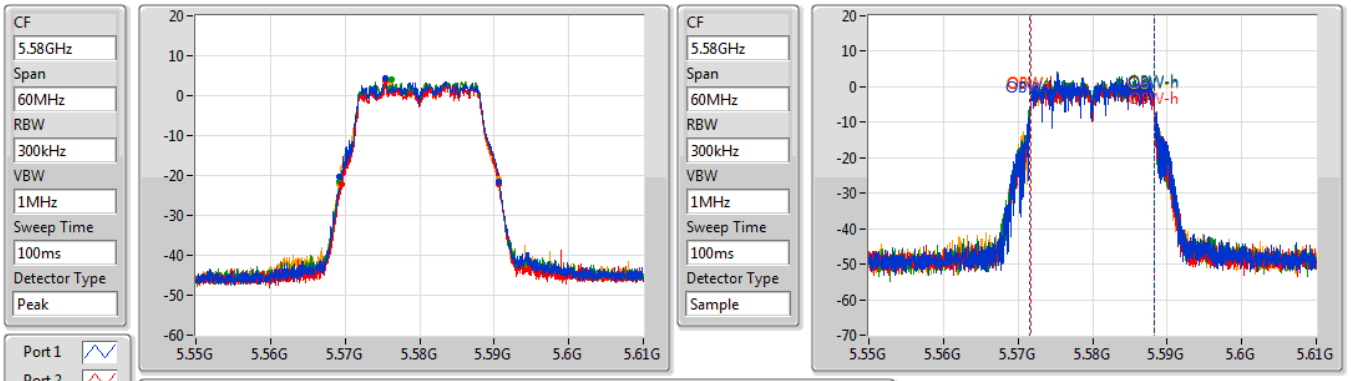


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.48929G	5.51074G	16.642M	5.491604G	5.508246G	Inf	1
21.51M	5.48923G	5.51074G	16.642M	5.491634G	5.508276G	Inf	2
21.57M	5.48923G	5.5108G	16.762M	5.491574G	5.508336G	Inf	3
21.48M	5.48929G	5.51077G	16.612M	5.491604G	5.508216G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5580MHz

30/12/2020

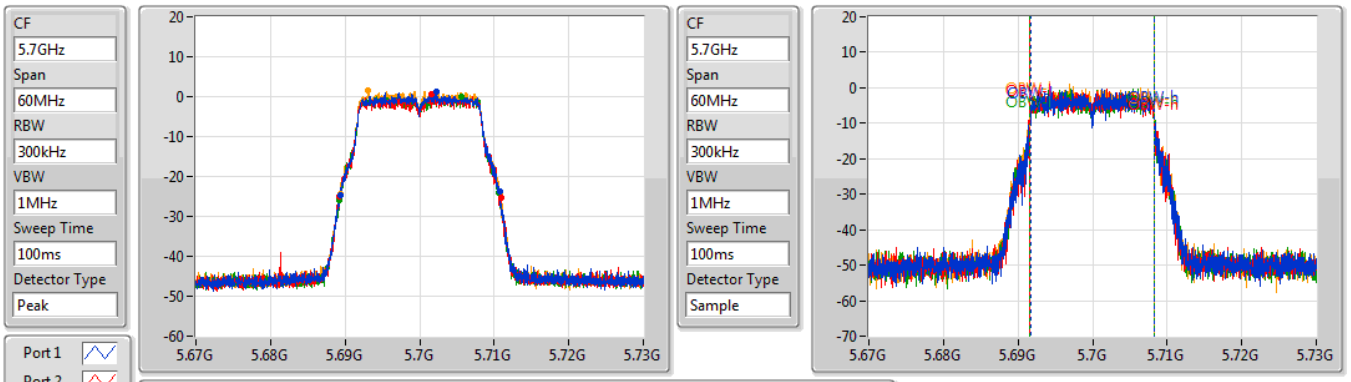


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.56926G	5.59068G	16.702M	5.571634G	5.588336G	Inf	1
21.06M	5.56959G	5.59065G	16.642M	5.571664G	5.588306G	Inf	2
21.39M	5.56929G	5.59068G	16.642M	5.571604G	5.588246G	Inf	3
21.39M	5.56917G	5.59056G	16.552M	5.571694G	5.588246G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5700MHz

30/12/2020

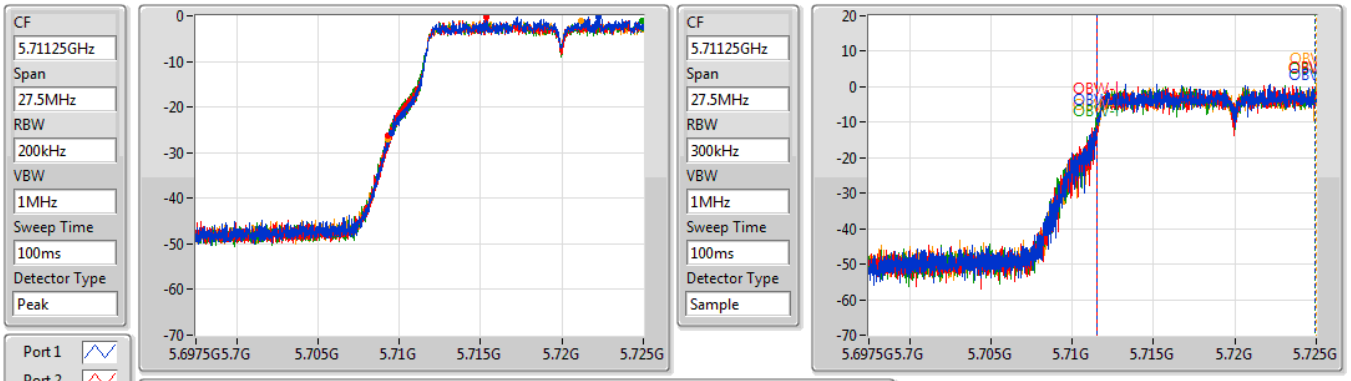


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.68932G	5.71074G	16.642M	5.691694G	5.708336G	Inf	1
21.72M	5.68923G	5.71095G	16.732M	5.691604G	5.708336G	Inf	2
21.48M	5.6892G	5.71068G	16.702M	5.691604G	5.708306G	Inf	3
21.33M	5.68938G	5.71071G	16.702M	5.691574G	5.708276G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

30/12/2020

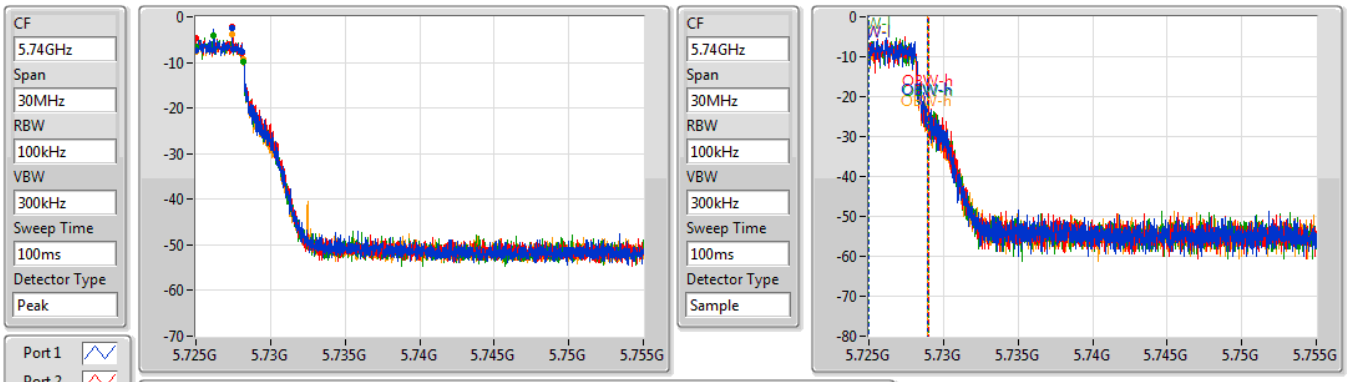


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.51M	5.70949G	5.725G	13.372M	5.711552G	5.724924G	Inf	1
15.675M	5.709325G	5.725G	13.386M	5.711552G	5.724938G	Inf	2
15.716M	5.709284G	5.725G	13.441M	5.711511G	5.724952G	Inf	3
15.73M	5.70927G	5.725G	13.427M	5.711539G	5.724966G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

30/12/2020

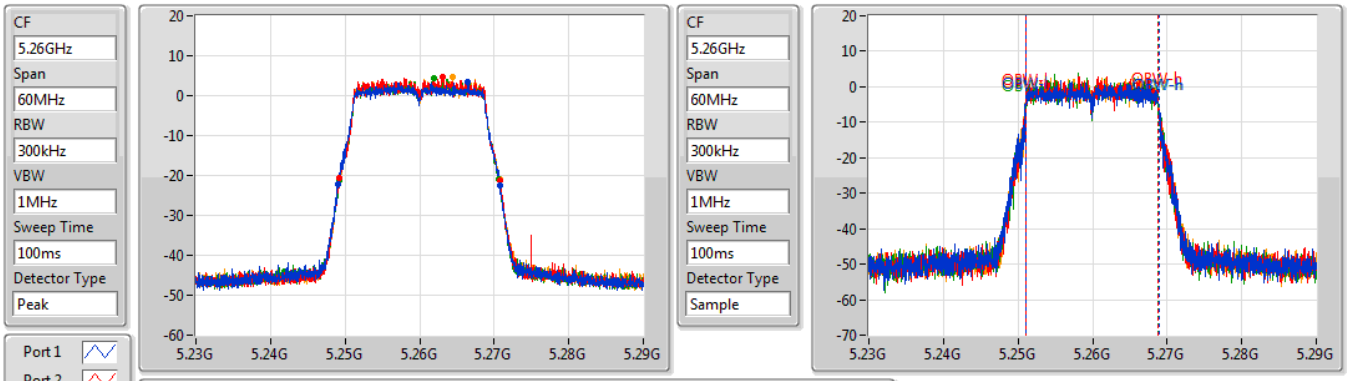


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.12M	5.725G	5.72812G	3.913M	5.725022G	5.728936G	500k	1
3.12M	5.725G	5.72812G	3.958M	5.725022G	5.728981G	500k	2
3.21M	5.725G	5.72821G	3.988M	5.725007G	5.728996G	500k	3
3.15M	5.725G	5.72815G	3.883M	5.725022G	5.728906G	500k	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5260MHz

30/12/2020

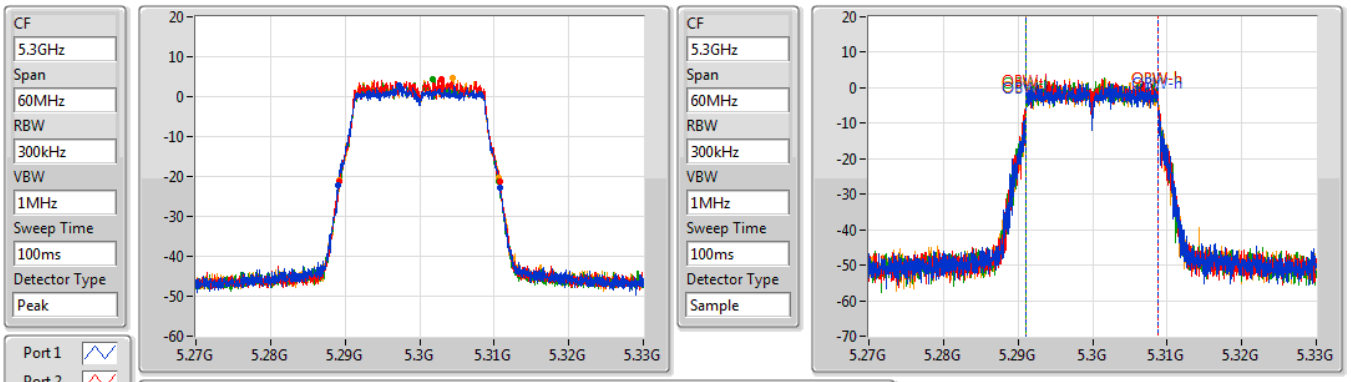


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.72M	5.24902G	5.27074G	17.871M	5.251004G	5.268876G	Inf	1
21.51M	5.24923G	5.27074G	17.811M	5.251034G	5.268846G	Inf	2
21.36M	5.24926G	5.27062G	17.811M	5.251034G	5.268846G	Inf	3
21.51M	5.2492G	5.27071G	17.841M	5.251004G	5.268846G	Inf	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5300MHz

30/12/2020

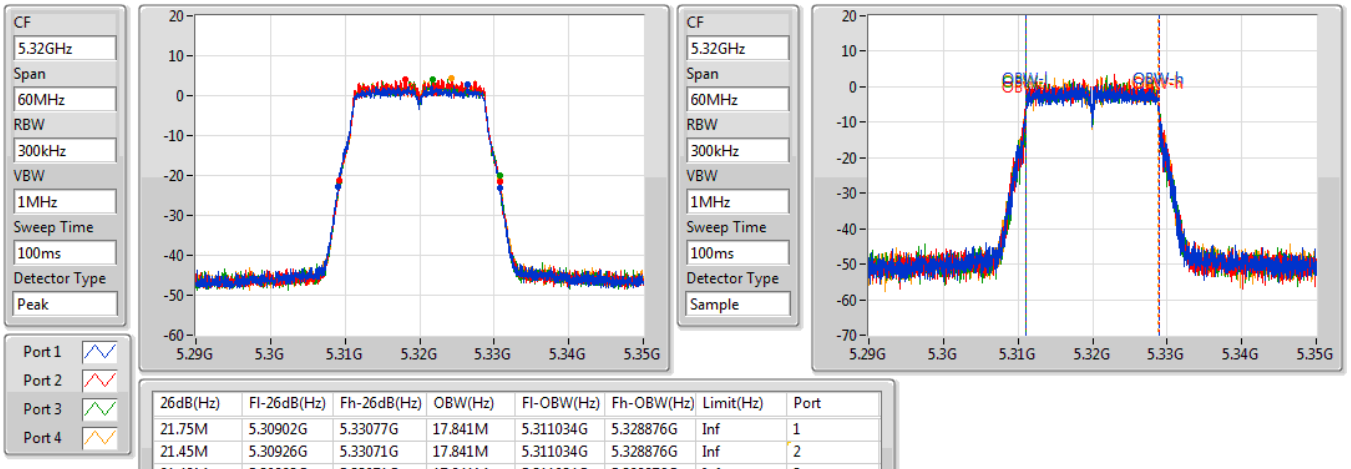


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.72M	5.28905G	5.31077G	17.781M	5.291064G	5.308846G	Inf	1
21.54M	5.2892G	5.31074G	17.811M	5.291004G	5.308816G	Inf	2
21.42M	5.28926G	5.31068G	17.751M	5.291064G	5.308816G	Inf	3
21.42M	5.28926G	5.31068G	17.811M	5.291034G	5.308846G	Inf	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5320MHz

30/12/2020

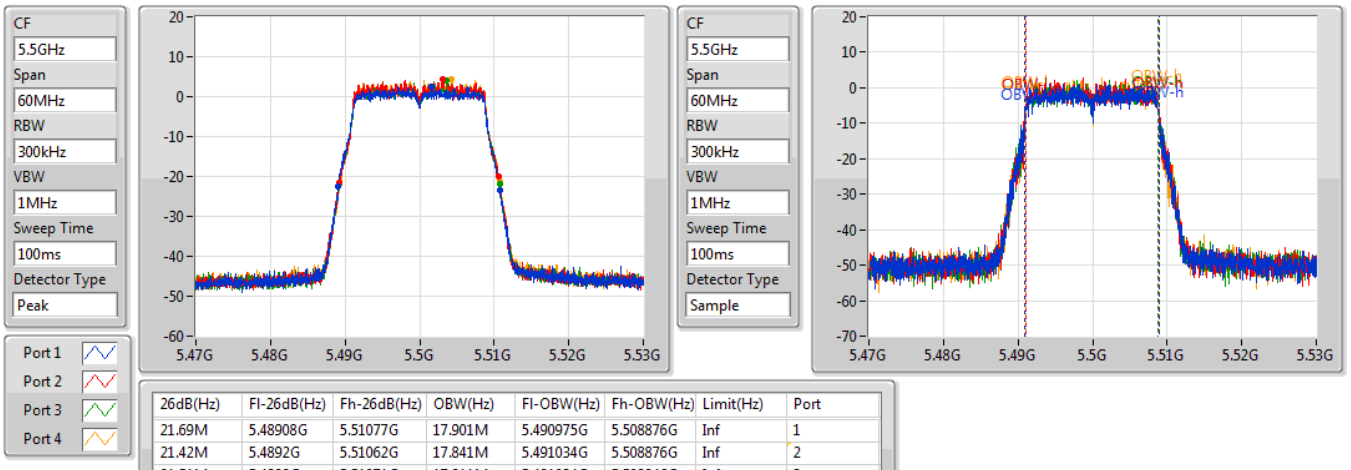


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.30902G	5.33077G	17.841M	5.311034G	5.328876G	Inf	1
21.45M	5.30926G	5.33071G	17.841M	5.311034G	5.328876G	Inf	2
21.48M	5.30923G	5.33071G	17.841M	5.311034G	5.328876G	Inf	3
21.45M	5.30929G	5.33074G	17.811M	5.311034G	5.328846G	Inf	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5500MHz

30/12/2020

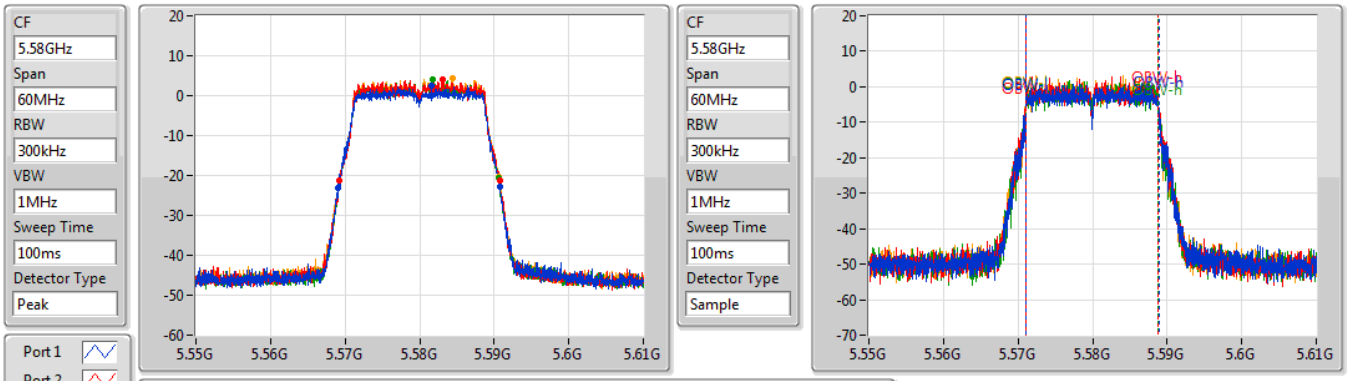


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.69M	5.48908G	5.51077G	17.901M	5.490975G	5.508876G	Inf	1
21.42M	5.4892G	5.51062G	17.841M	5.491034G	5.508876G	Inf	2
21.51M	5.4892G	5.51071G	17.811M	5.491034G	5.508846G	Inf	3
21.48M	5.48923G	5.51071G	17.781M	5.491034G	5.508816G	Inf	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5580MHz

30/12/2020

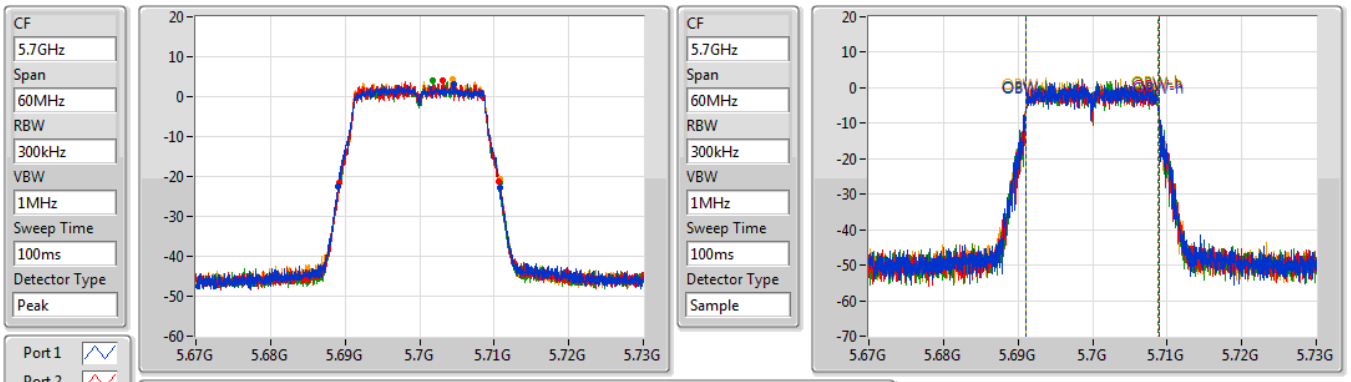


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.72M	5.56908G	5.5908G	17.901M	5.571004G	5.588906G	Inf	1
21.48M	5.56923G	5.59071G	17.841M	5.571004G	5.588846G	Inf	2
21.42M	5.56926G	5.59068G	17.811M	5.571034G	5.588846G	Inf	3
21.42M	5.56926G	5.59068G	17.841M	5.571034G	5.588876G	Inf	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5700MHz

30/12/2020

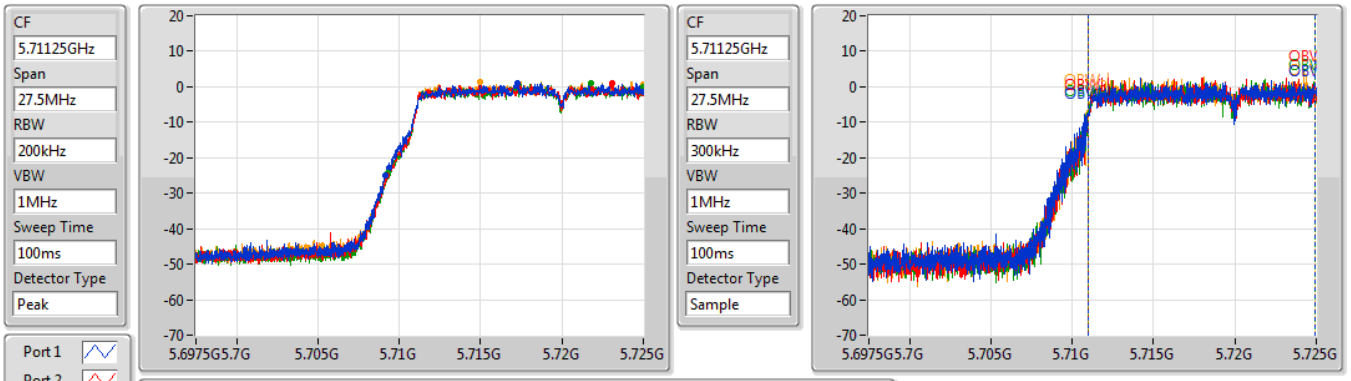


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.68902G	5.71077G	17.871M	5.691004G	5.708876G	Inf	1
21.51M	5.68917G	5.71068G	17.811M	5.691064G	5.708876G	Inf	2
21.45M	5.68929G	5.71074G	17.811M	5.691034G	5.708846G	Inf	3
21.51M	5.68923G	5.71074G	17.811M	5.691004G	5.708816G	Inf	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

30/12/2020

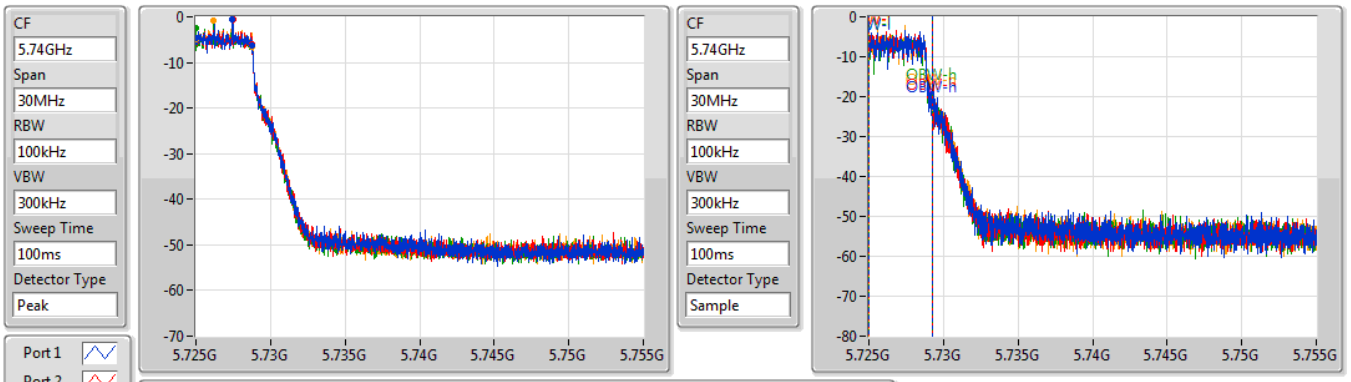


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.854M	5.709146G	5.725G	13.977M	5.710961G	5.724938G	Inf	1
15.785M	5.709215G	5.725G	13.922M	5.711016G	5.724938G	Inf	2
15.703M	5.709298G	5.725G	13.922M	5.710975G	5.724897G	Inf	3
15.703M	5.709298G	5.725G	13.963M	5.710961G	5.724924G	Inf	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

30/12/2020

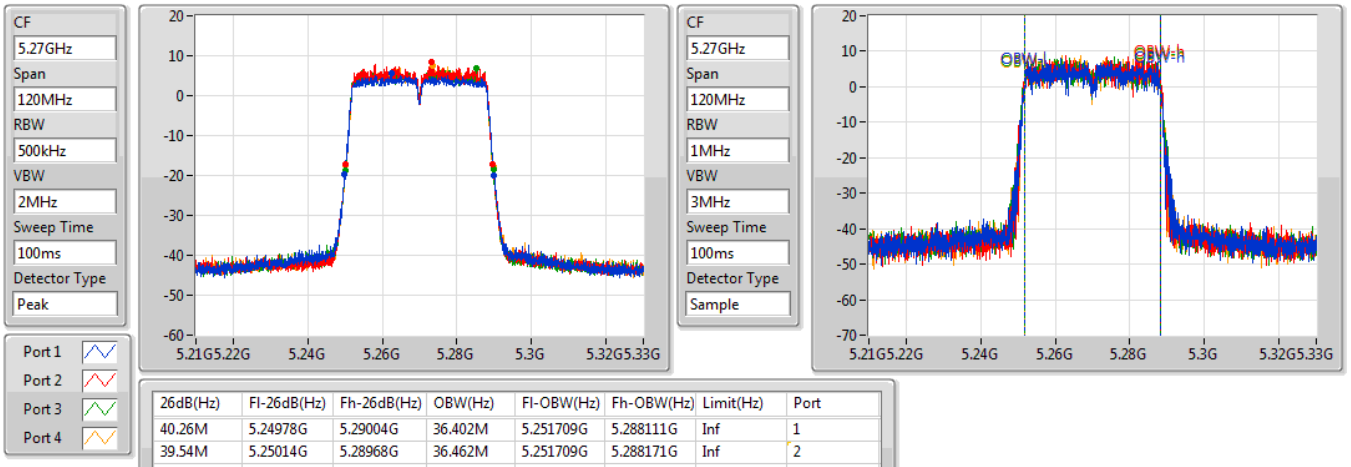


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.75M	5.725G	5.72875G	4.258M	5.725022G	5.72928G	500k	1
3.75M	5.725G	5.72875G	4.243M	5.725022G	5.729265G	500k	2
3.735M	5.725G	5.728735G	4.228M	5.725022G	5.72925G	500k	3
3.765M	5.725G	5.728765G	4.198M	5.725022G	5.72922G	500k	4

802.11n HT40_Nss1,(MCS0)_4TX EBW

5270MHz

30/12/2020

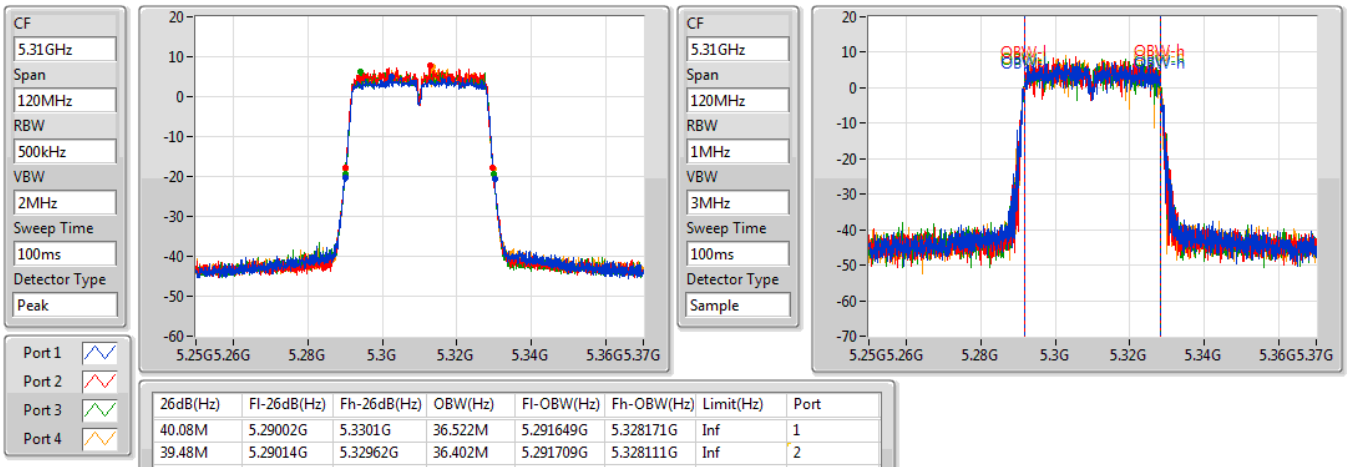


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.24978G	5.29004G	36.402M	5.251709G	5.288111G	Inf	1
39.54M	5.25014G	5.28968G	36.462M	5.251709G	5.288171G	Inf	2
39.66M	5.25014G	5.2898G	36.522M	5.251649G	5.288171G	Inf	3
39.6M	5.2502G	5.2898G	36.462M	5.251709G	5.288171G	Inf	4

802.11n HT40_Nss1,(MCS0)_4TX EBW

5310MHz

30/12/2020

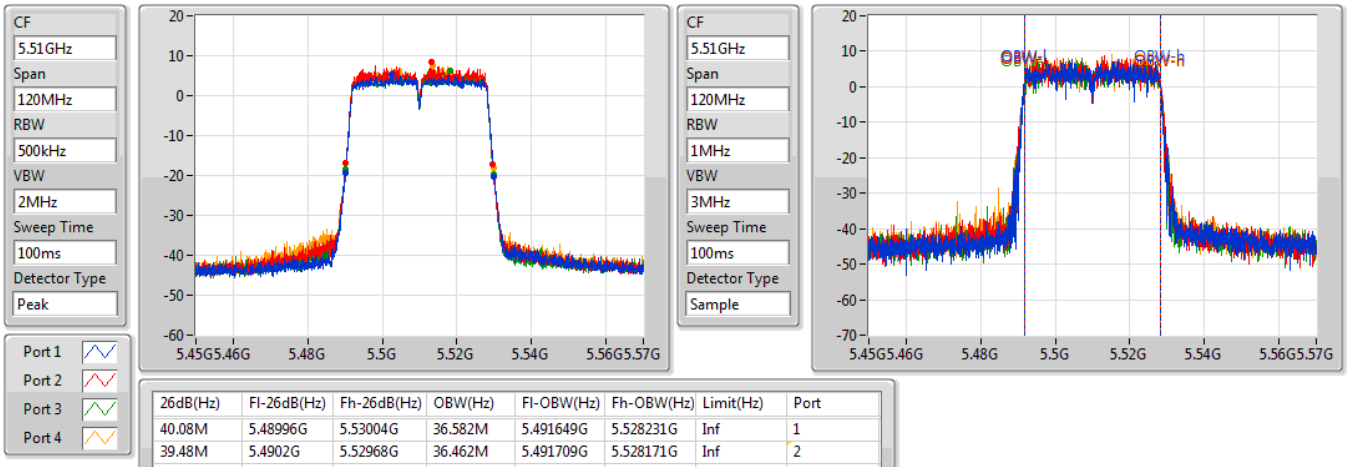


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.29002G	5.3301G	36.522M	5.291649G	5.328171G	Inf	1
39.48M	5.29014G	5.32962G	36.402M	5.291709G	5.328111G	Inf	2
40.02M	5.28996G	5.32998G	36.582M	5.291649G	5.328231G	Inf	3
39.66M	5.29014G	5.3298G	36.402M	5.291769G	5.328171G	Inf	4

802.11n HT40_Nss1,(MCS0)_4TX EBW

5510MHz

30/12/2020

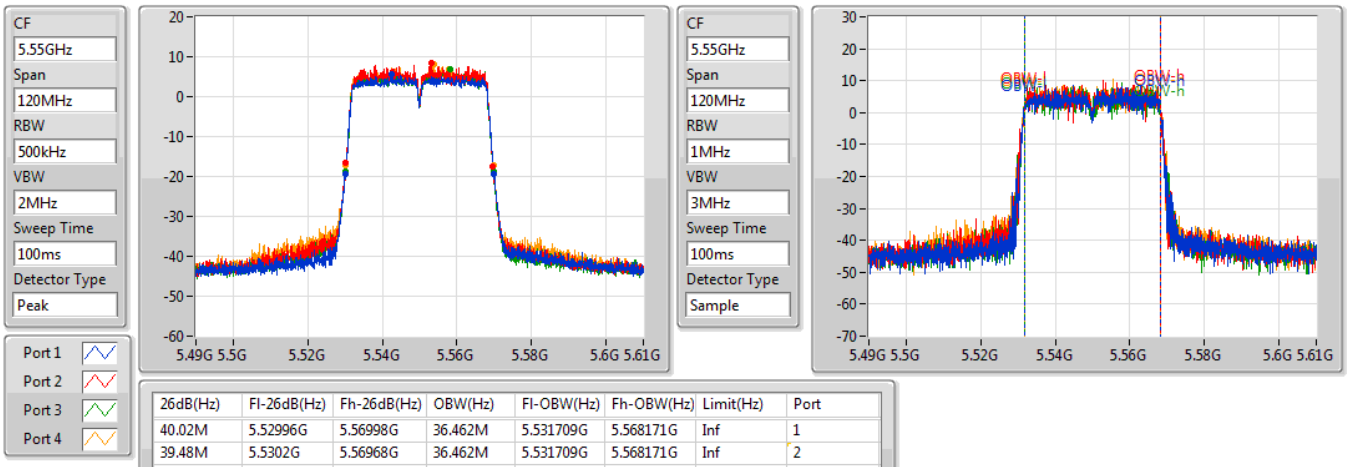


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.48996G	5.53004G	36.582M	5.491649G	5.528231G	Inf	1
39.48M	5.4902G	5.52968G	36.462M	5.491709G	5.528171G	Inf	2
39.66M	5.49014G	5.5298G	36.462M	5.491709G	5.528171G	Inf	3
39.72M	5.49008G	5.5298G	36.402M	5.491769G	5.528171G	Inf	4

802.11n HT40_Nss1,(MCS0)_4TX EBW

5550MHz

30/12/2020

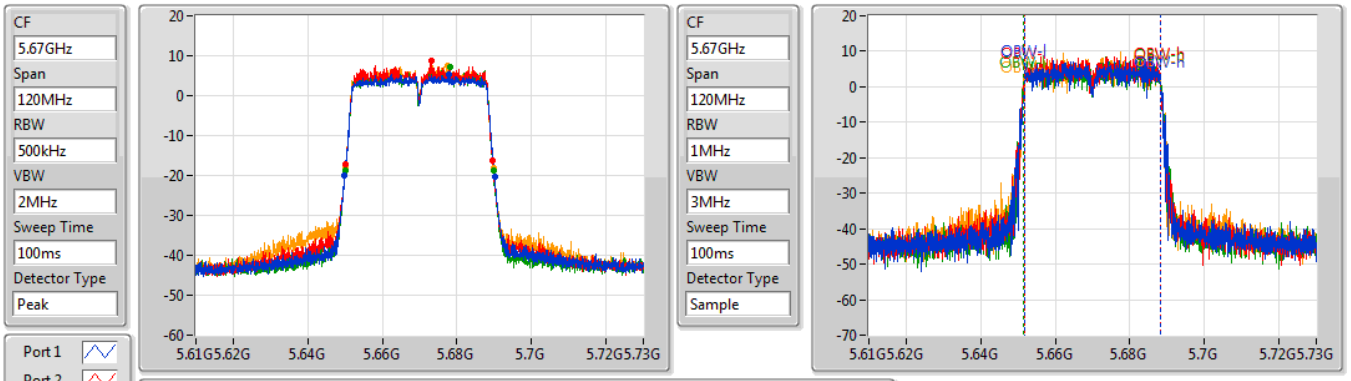


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.52996G	5.56998G	36.462M	5.531709G	5.568171G	Inf	1
39.48M	5.5302G	5.56968G	36.462M	5.531709G	5.568171G	Inf	2
39.72M	5.53014G	5.56986G	36.462M	5.531649G	5.568111G	Inf	3
39.54M	5.5302G	5.56974G	36.462M	5.531649G	5.568111G	Inf	4

802.11n HT40_Nss1,(MCS0)_4TX EBW

5670MHz

30/12/2020

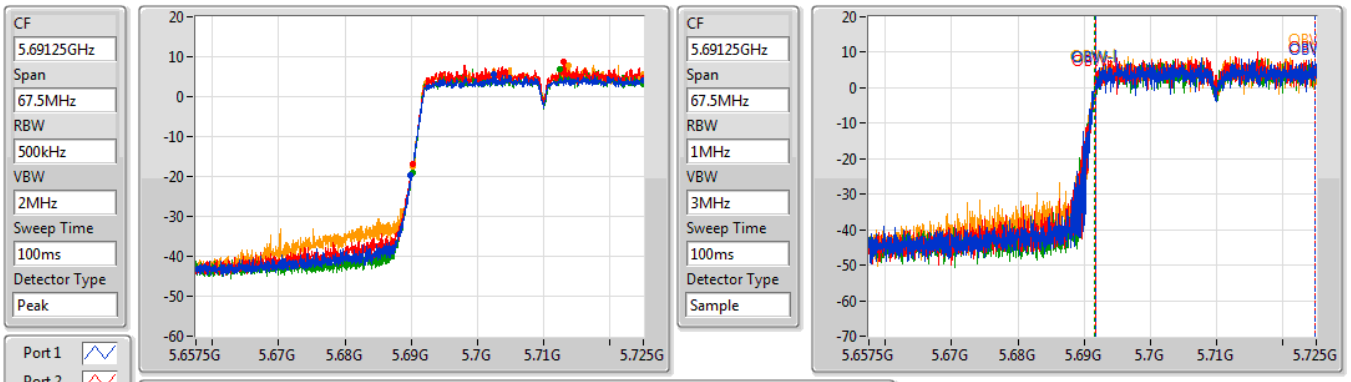


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.64984G	5.6901G	36.462M	5.651769G	5.688231G	Inf	1
39.48M	5.65014G	5.68962G	36.402M	5.651709G	5.688111G	Inf	2
39.66M	5.6502G	5.68986G	36.642M	5.651589G	5.688231G	Inf	3
39.66M	5.65014G	5.6898G	36.462M	5.651649G	5.688111G	Inf	4

802.11n HT40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.47-5.725GHz

30/12/2020

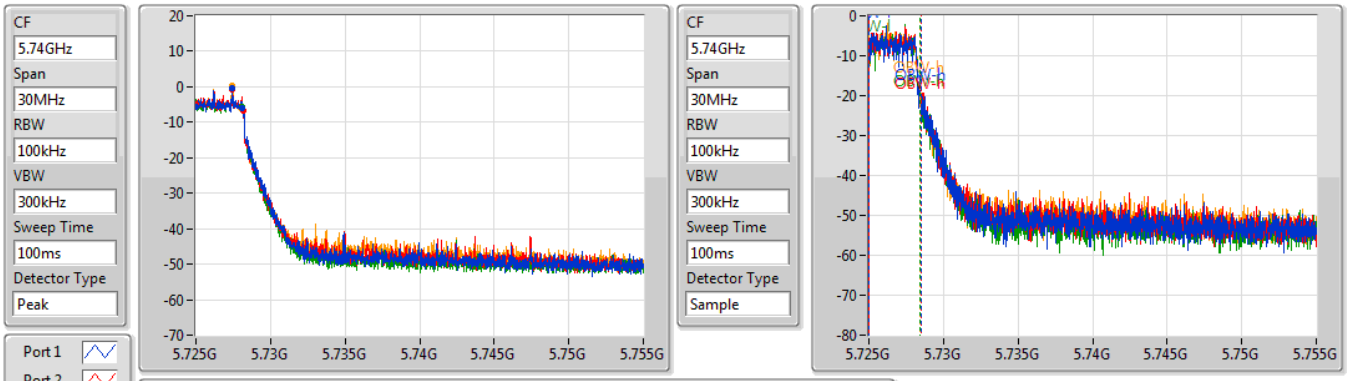


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	5.6899G	5.725G	33.16M	5.691689G	5.724848G	Inf	1
34.796M	5.690204G	5.725G	33.126M	5.691689G	5.724814G	Inf	2
34.864M	5.690136G	5.725G	33.227M	5.691621G	5.724848G	Inf	3
34.864M	5.690136G	5.725G	33.193M	5.691621G	5.724814G	Inf	4

802.11n HT40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.725-5.85GHz

30/12/2020

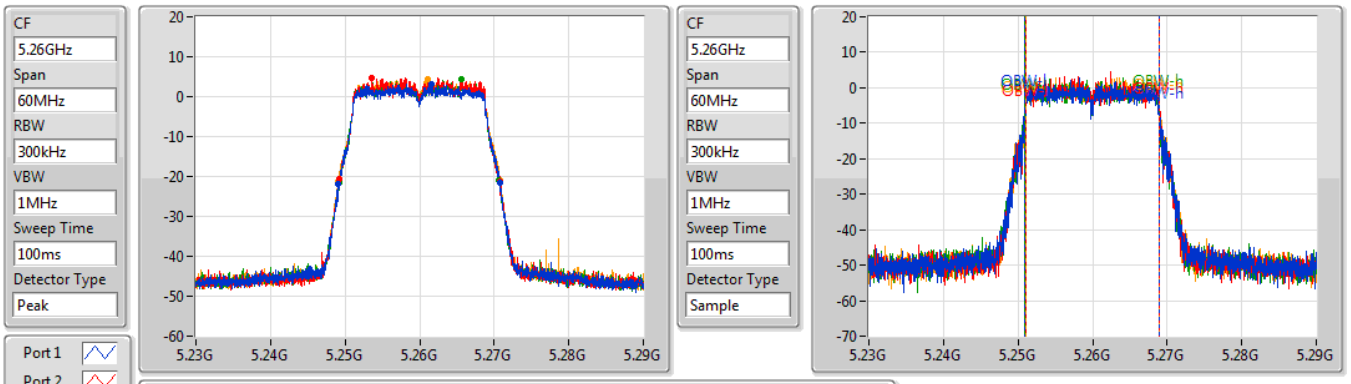


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.105M	5.725G	5.728105G	3.448M	5.725022G	5.728471G	500k	1
3.135M	5.725G	5.728135G	3.478M	5.725007G	5.728486G	500k	2
3.105M	5.725G	5.728105G	3.433M	5.725022G	5.728456G	500k	3
3.09M	5.725015G	5.728105G	3.448M	5.725007G	5.728456G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5260MHz

30/12/2020

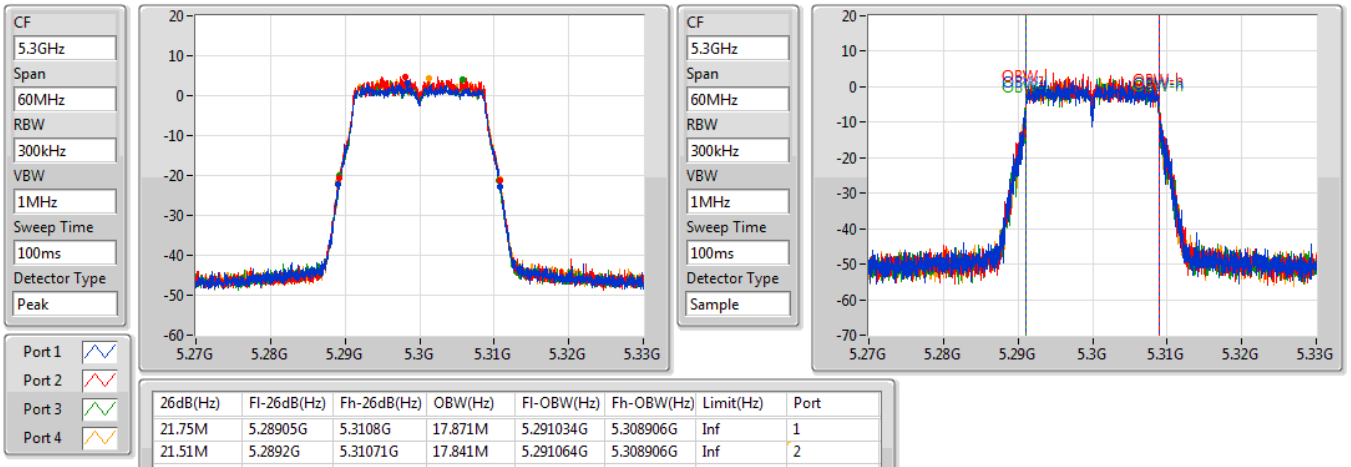


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.66M	5.24911G	5.27077G	17.961M	5.250945G	5.268906G	Inf	1
21.57M	5.24923G	5.2708G	17.871M	5.251004G	5.268876G	Inf	2
21.51M	5.24917G	5.27068G	17.901M	5.250975G	5.268876G	Inf	3
21.69M	5.24908G	5.27077G	17.871M	5.251004G	5.268876G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5300MHz

30/12/2020

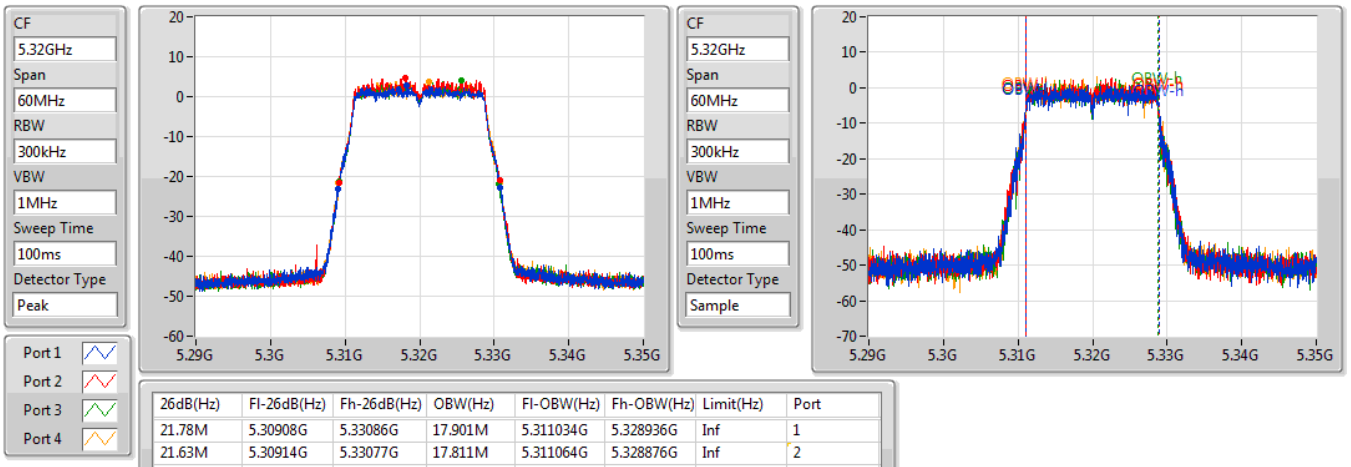


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.28905G	5.3108G	17.871M	5.291034G	5.308906G	Inf	1
21.51M	5.2892G	5.31071G	17.841M	5.291064G	5.308906G	Inf	2
21.36M	5.28929G	5.31065G	17.841M	5.291034G	5.308876G	Inf	3
21.72M	5.28908G	5.3108G	17.841M	5.291034G	5.308876G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5320MHz

30/12/2020

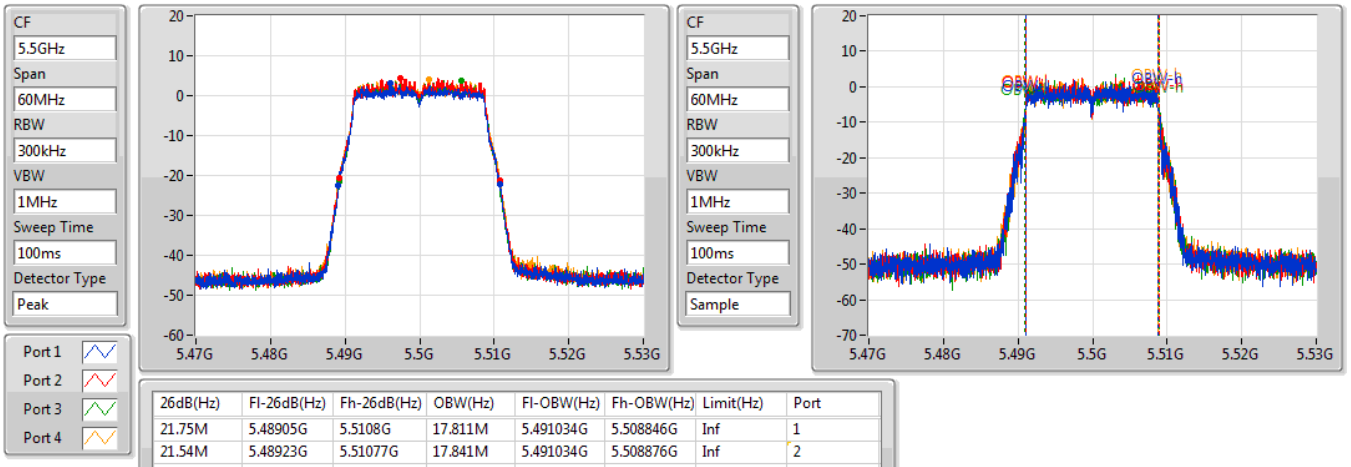


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.30908G	5.33086G	17.901M	5.311034G	5.328936G	Inf	1
21.63M	5.30914G	5.33077G	17.811M	5.311064G	5.328876G	Inf	2
21.42M	5.30923G	5.33065G	17.811M	5.311034G	5.328846G	Inf	3
21.72M	5.30911G	5.33083G	17.841M	5.311034G	5.328876G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5500MHz

30/12/2020

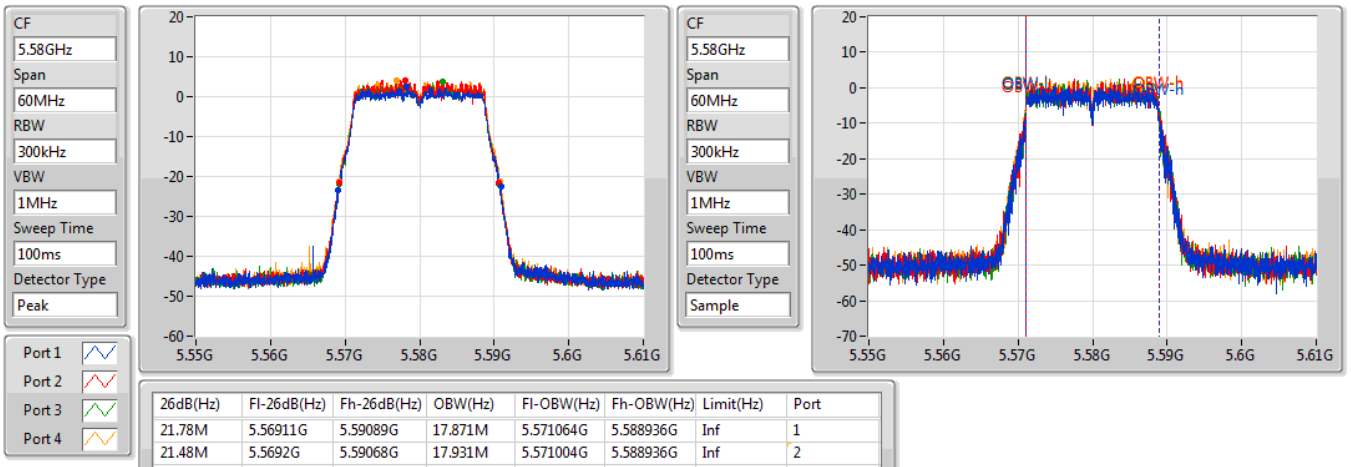


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.48905G	5.5108G	17.811M	5.491034G	5.508846G	Inf	1
21.54M	5.48923G	5.51077G	17.841M	5.491034G	5.508876G	Inf	2
21.48M	5.48923G	5.51071G	17.961M	5.490975G	5.508936G	Inf	3
21.69M	5.48914G	5.51083G	17.781M	5.491034G	5.508816G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5580MHz

30/12/2020

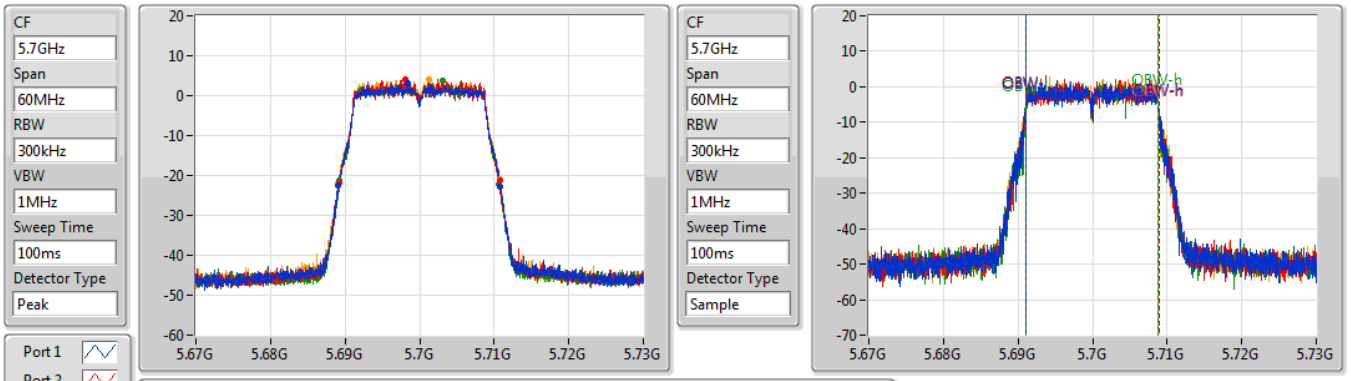


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.56911G	5.59089G	17.871M	5.571064G	5.588936G	Inf	1
21.48M	5.5692G	5.59068G	17.931M	5.571004G	5.588936G	Inf	2
21.48M	5.56917G	5.59065G	17.871M	5.571004G	5.588876G	Inf	3
21.57M	5.56923G	5.5908G	17.871M	5.571004G	5.588876G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5700MHz

30/12/2020

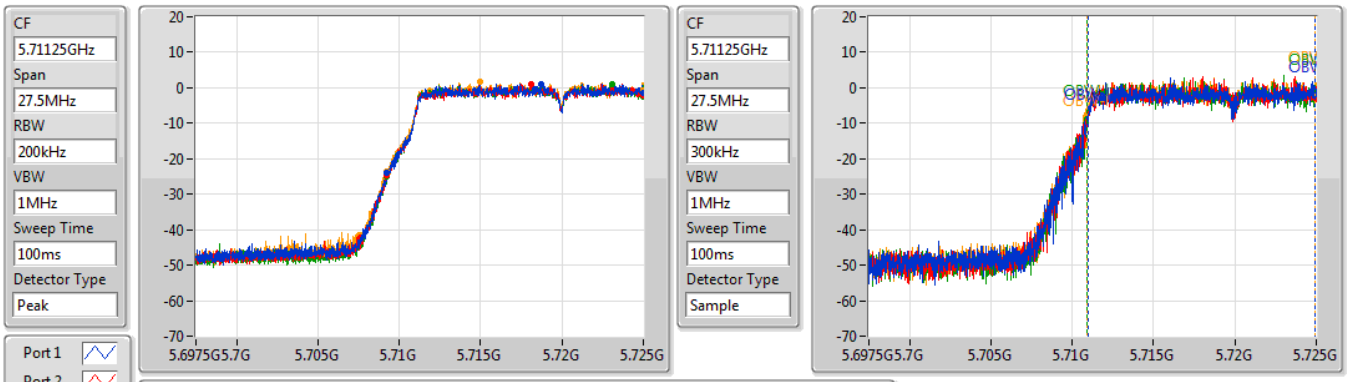


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.68908G	5.71083G	17.871M	5.691034G	5.708906G	Inf	1
21.51M	5.6892G	5.71071G	17.901M	5.691004G	5.708906G	Inf	2
21.42M	5.68926G	5.71068G	17.811M	5.691034G	5.708846G	Inf	3
21.69M	5.68905G	5.71074G	17.841M	5.691004G	5.708846G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

30/12/2020

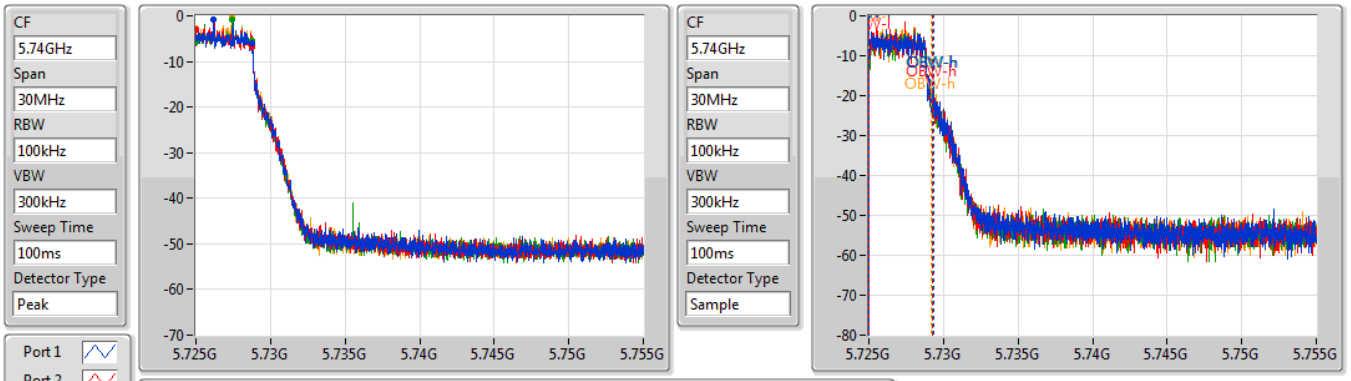


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.758M	5.709243G	5.725G	13.949M	5.710975G	5.724924G	Inf	1
15.744M	5.709256G	5.725G	13.977M	5.710961G	5.724938G	Inf	2
15.758M	5.709243G	5.725G	14.018M	5.710934G	5.724952G	Inf	3
15.799M	5.709201G	5.725G	14.004M	5.710934G	5.724938G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

30/12/2020

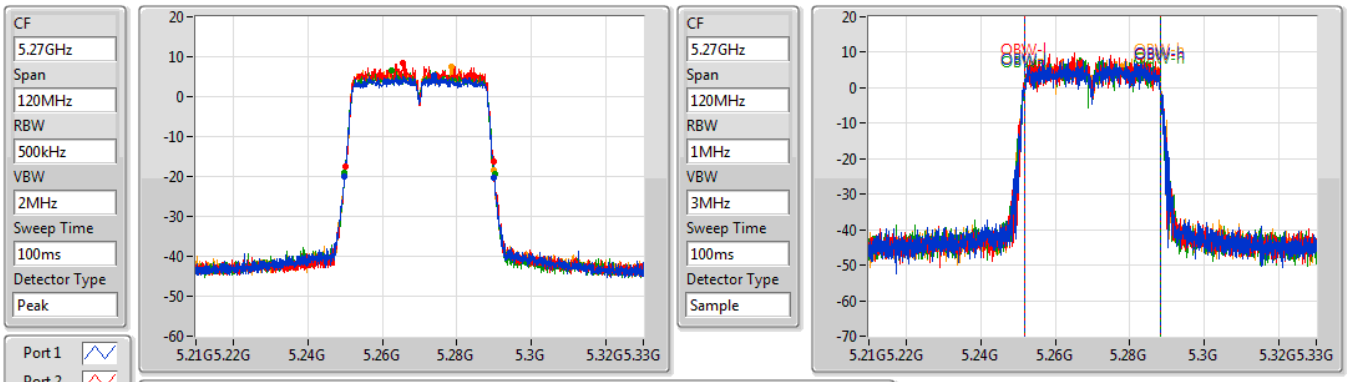


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.735M	5.725G	5.728735G	4.333M	5.725007G	5.72934G	500k	1
3.765M	5.725G	5.728765G	4.258M	5.725022G	5.72928G	500k	2
3.735M	5.725G	5.728735G	4.213M	5.725022G	5.729235G	500k	3
3.735M	5.725G	5.728735G	4.168M	5.725037G	5.729205G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5270MHz

30/12/2020

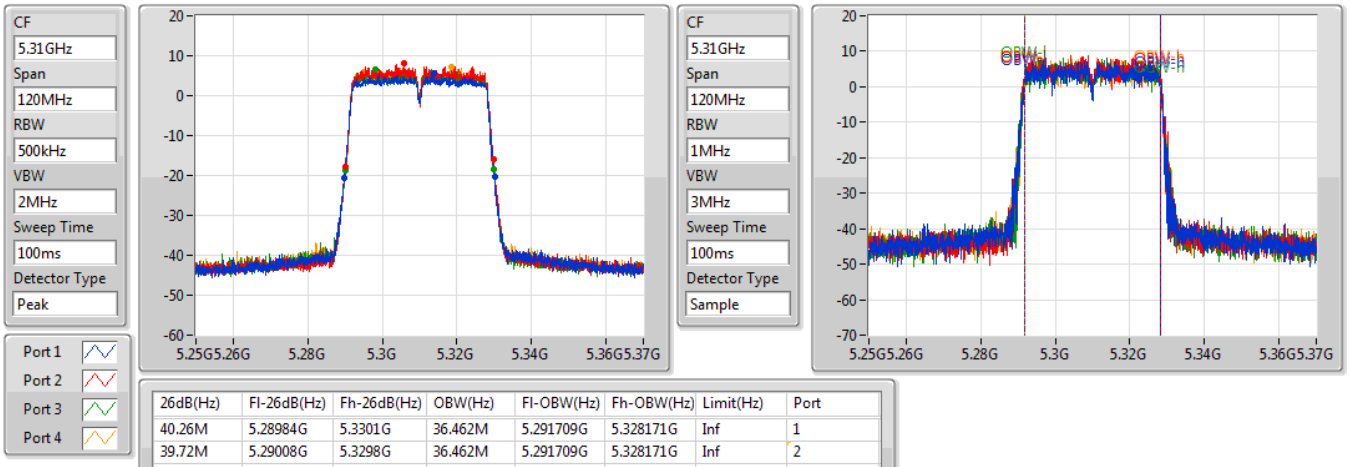


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.24984G	5.29004G	36.462M	5.251649G	5.288111G	Inf	1
39.72M	5.25014G	5.28986G	36.462M	5.251709G	5.288171G	Inf	2
40.2M	5.2499G	5.2901G	36.462M	5.251649G	5.288111G	Inf	3
39.84M	5.25014G	5.28998G	36.462M	5.251709G	5.288171G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5310MHz

30/12/2020

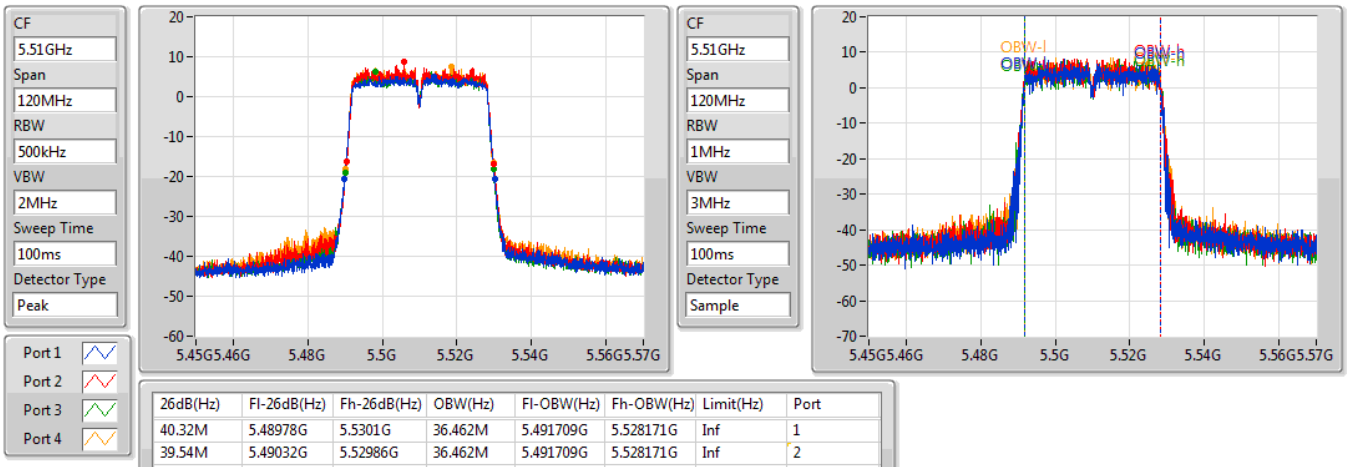


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.28984G	5.3301G	36.462M	5.291709G	5.328171G	Inf	1
39.72M	5.29008G	5.3298G	36.462M	5.291709G	5.328171G	Inf	2
40.08M	5.28996G	5.33004G	36.462M	5.291709G	5.328171G	Inf	3
40.02M	5.29002G	5.33004G	36.402M	5.291709G	5.328111G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5510MHz

30/12/2020

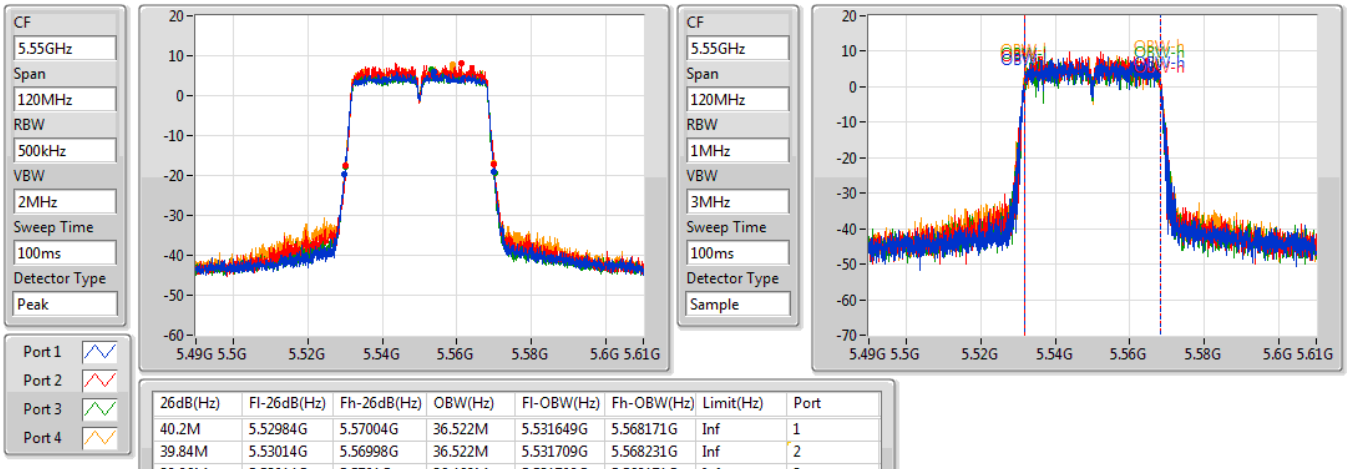


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.32M	5.48978G	5.5301G	36.462M	5.491709G	5.528171G	Inf	1
39.54M	5.49032G	5.52986G	36.462M	5.491709G	5.528171G	Inf	2
39.96M	5.48996G	5.52992G	36.462M	5.491709G	5.528171G	Inf	3
39.78M	5.49008G	5.52986G	36.462M	5.491709G	5.528171G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5550MHz

30/12/2020

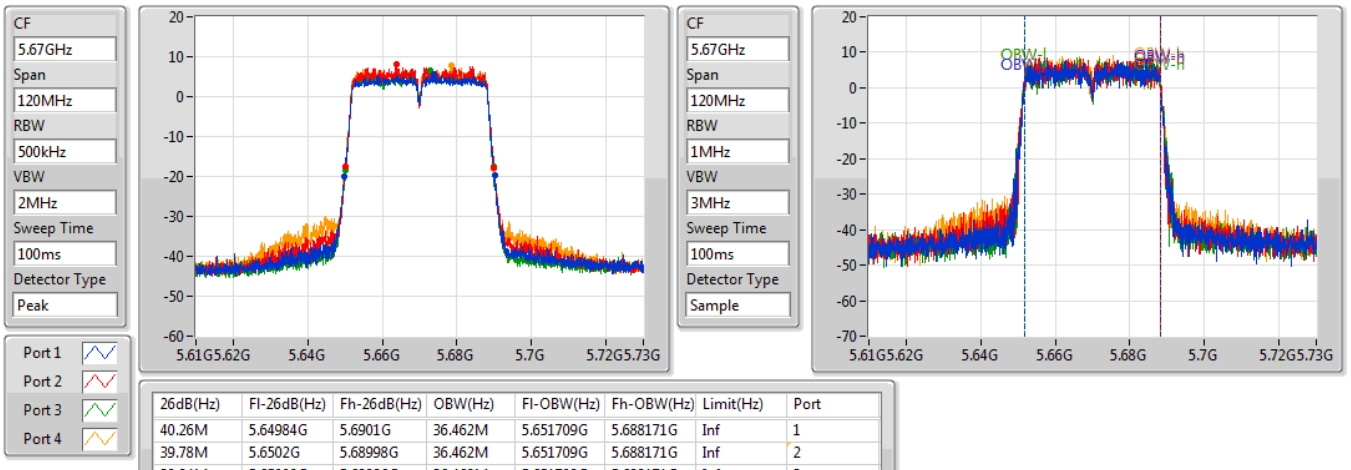


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.52984G	5.57004G	36.522M	5.531649G	5.568171G	Inf	1
39.84M	5.53014G	5.56998G	36.522M	5.531709G	5.568231G	Inf	2
39.96M	5.53014G	5.5701G	36.462M	5.531709G	5.568171G	Inf	3
39.84M	5.53008G	5.56992G	36.462M	5.531649G	5.568111G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5670MHz

30/12/2020

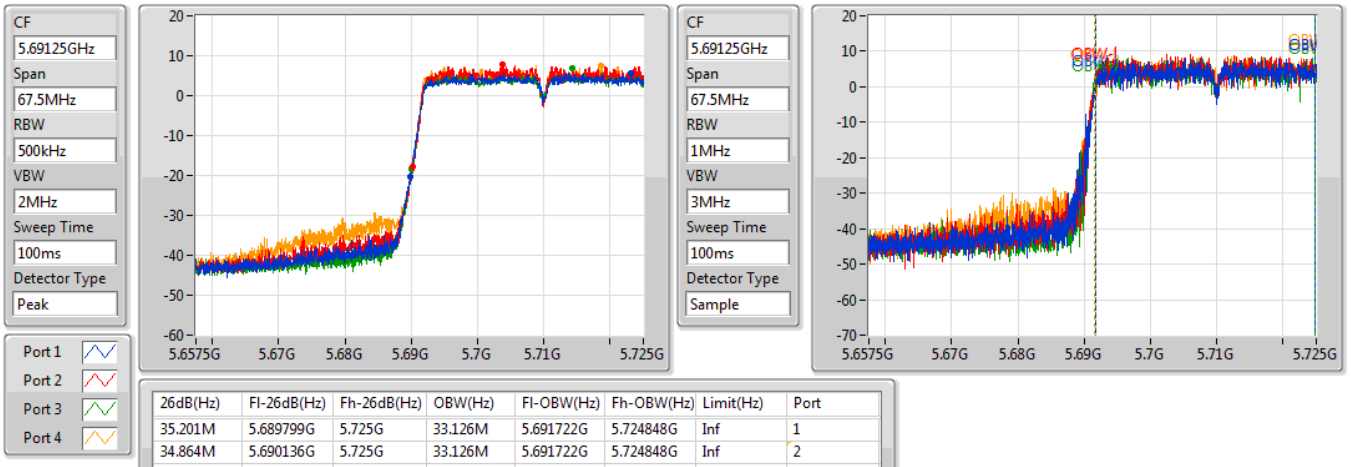


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.64984G	5.6901G	36.462M	5.651709G	5.688171G	Inf	1
39.78M	5.6502G	5.68998G	36.462M	5.651709G	5.688171G	Inf	2
39.84M	5.65002G	5.68986G	36.462M	5.651709G	5.688171G	Inf	3
39.9M	5.65014G	5.69004G	36.582M	5.651649G	5.688231G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.47-5.725GHz

30/12/2020

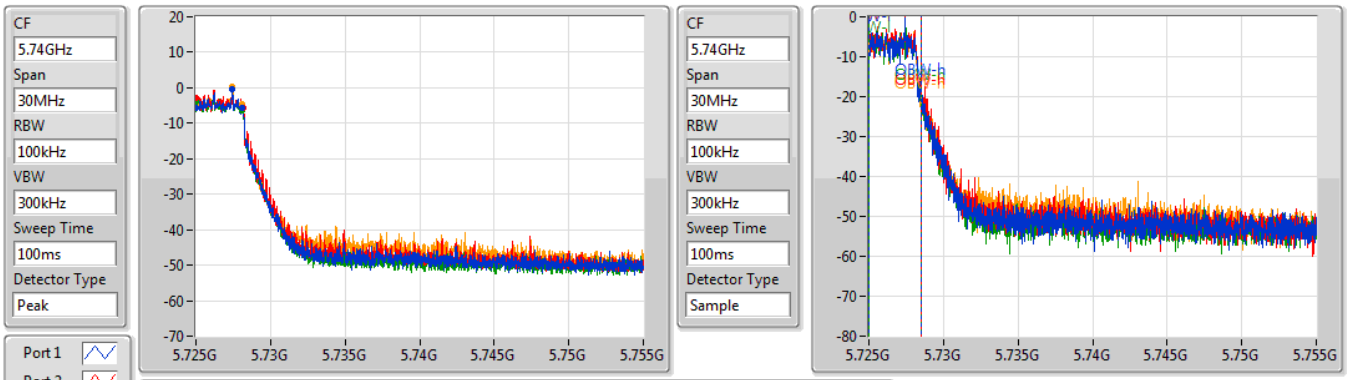


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.201M	5.689799G	5.725G	33.126M	5.691722G	5.724848G	Inf	1
34.864M	5.690136G	5.725G	33.126M	5.691722G	5.724848G	Inf	2
34.965M	5.690035G	5.725G	33.126M	5.691655G	5.724781G	Inf	3
35.033M	5.689968G	5.725G	33.227M	5.691587G	5.724814G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.725-5.85GHz

30/12/2020

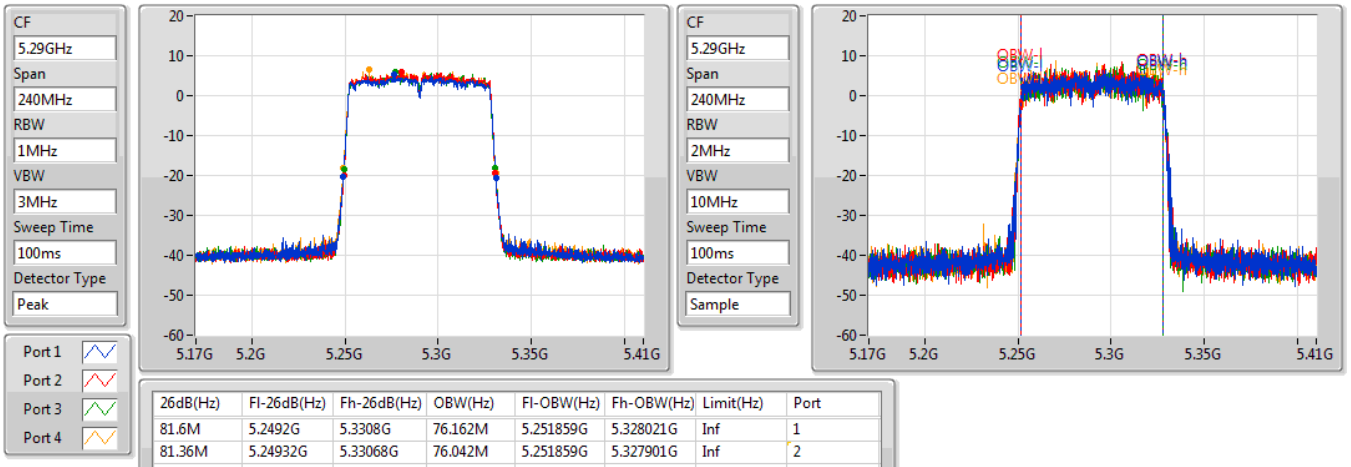


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.105M	5.725G	5.728105G	3.478M	5.725007G	5.728486G	500k	1
3.195M	5.725G	5.728195G	3.508M	5.725022G	5.728531G	500k	2
3.12M	5.725G	5.72812G	3.448M	5.725022G	5.728471G	500k	3
3.105M	5.725G	5.728105G	3.523M	5.725007G	5.728531G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5290MHz

30/12/2020

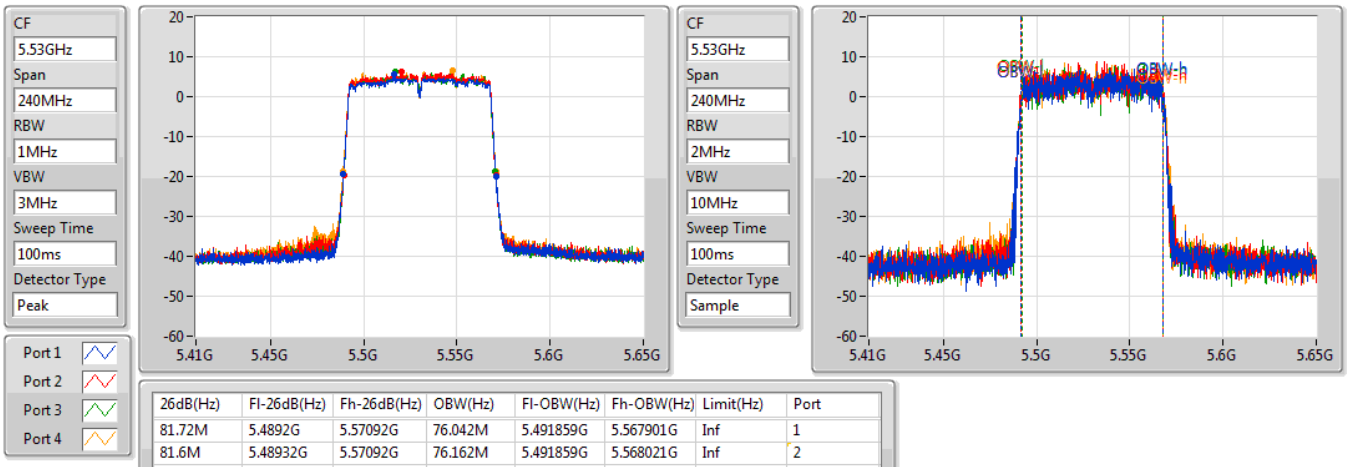


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.6M	5.2492G	5.3308G	76.162M	5.251859G	5.328021G	Inf	1
81.36M	5.24932G	5.33068G	76.042M	5.251859G	5.327901G	Inf	2
81.12M	5.24944G	5.33056G	76.282M	5.251739G	5.328021G	Inf	3
81.72M	5.24908G	5.3308G	76.162M	5.251739G	5.327901G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5530MHz

30/12/2020

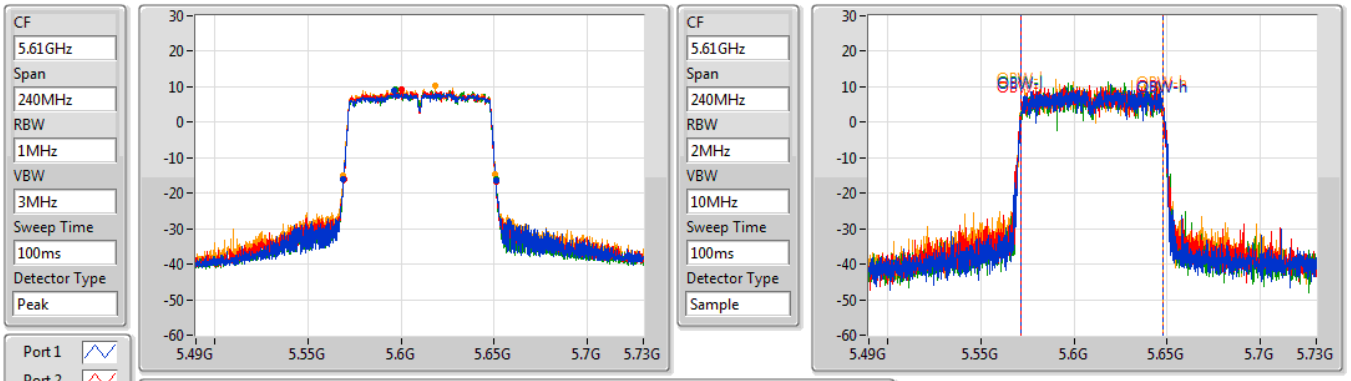


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.72M	5.4892G	5.57092G	76.042M	5.491859G	5.567901G	Inf	1
81.6M	5.48932G	5.57092G	76.162M	5.491859G	5.568021G	Inf	2
81.36M	5.48932G	5.57068G	76.042M	5.491979G	5.568021G	Inf	3
81.84M	5.48896G	5.5708G	76.042M	5.491979G	5.568021G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5610MHz

30/12/2020

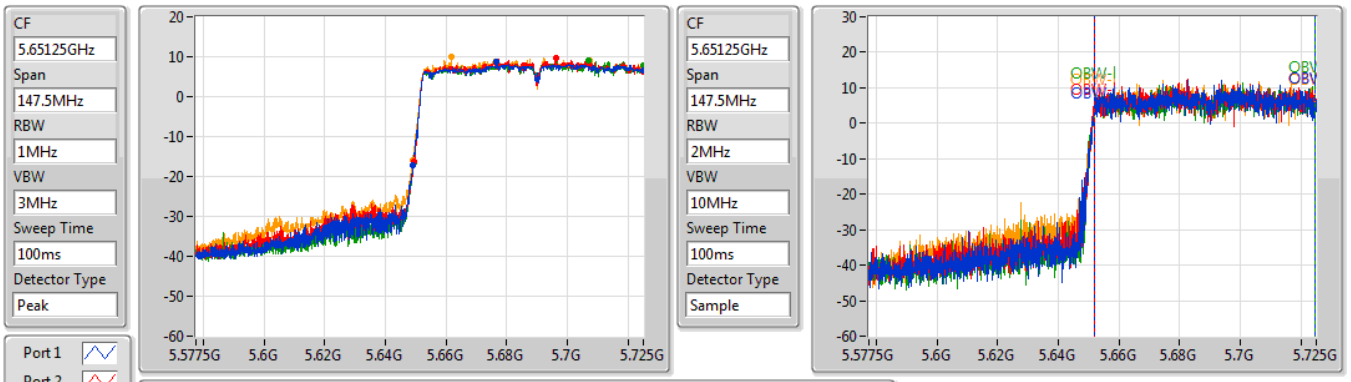


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.72M	5.5692G	5.65092G	76.162M	5.571859G	5.648021G	Inf	1
81.36M	5.56944G	5.6508G	76.162M	5.571739G	5.647901G	Inf	2
81.48M	5.56944G	5.65092G	76.162M	5.571859G	5.648021G	Inf	3
81.6M	5.56908G	5.65068G	76.162M	5.571859G	5.648021G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.47-5.725GHz

30/12/2020

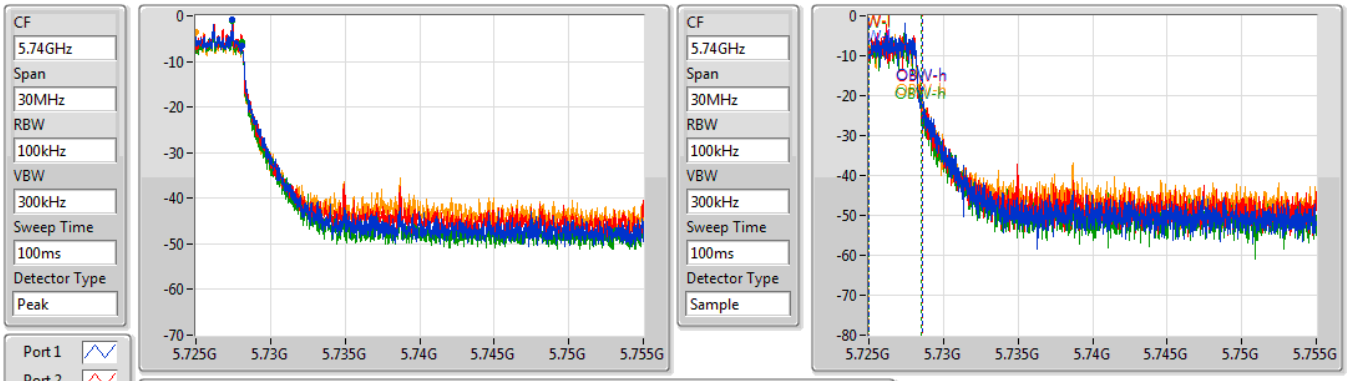


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.815M	5.649185G	5.725G	72.607M	5.651987G	5.724595G	Inf	1
75.52M	5.64948G	5.725G	72.755M	5.651766G	5.724521G	Inf	2
75.668M	5.649333G	5.725G	72.902M	5.651766G	5.724668G	Inf	3
76.11M	5.64889G	5.725G	72.607M	5.65184G	5.724447G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.725-5.85GHz

30/12/2020

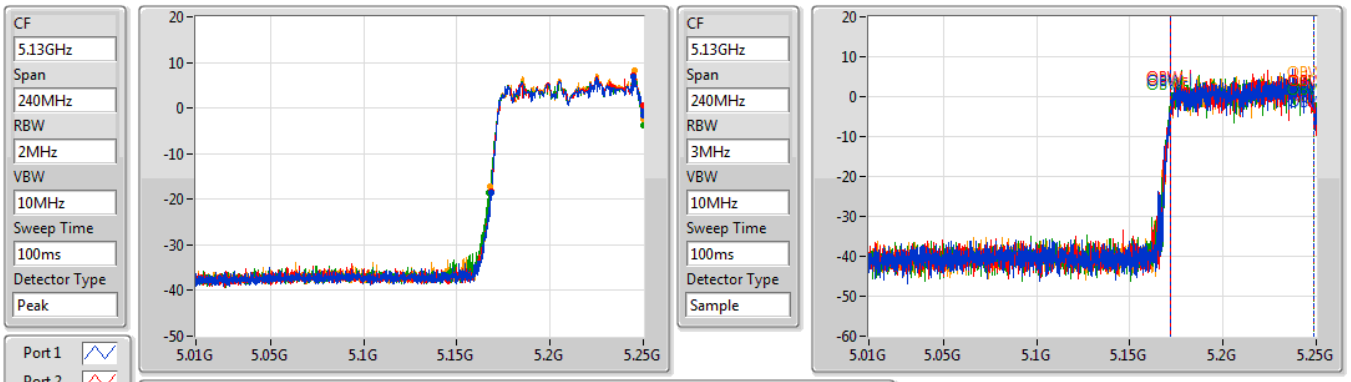


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.09M	5.725G	5.72809G	3.583M	5.725022G	5.728606G	500k	1
3.105M	5.725G	5.728105G	3.583M	5.725022G	5.728606G	500k	2
3M	5.725075G	5.728075G	3.523M	5.725022G	5.728546G	500k	3
3.09M	5.725G	5.72809G	3.553M	5.725007G	5.728561G	500k	4

802.11ac VHT160_Nss1,(MCS0)_4TX EBW

5250MHz Straddle 5.15-5.25GHz

30/12/2020

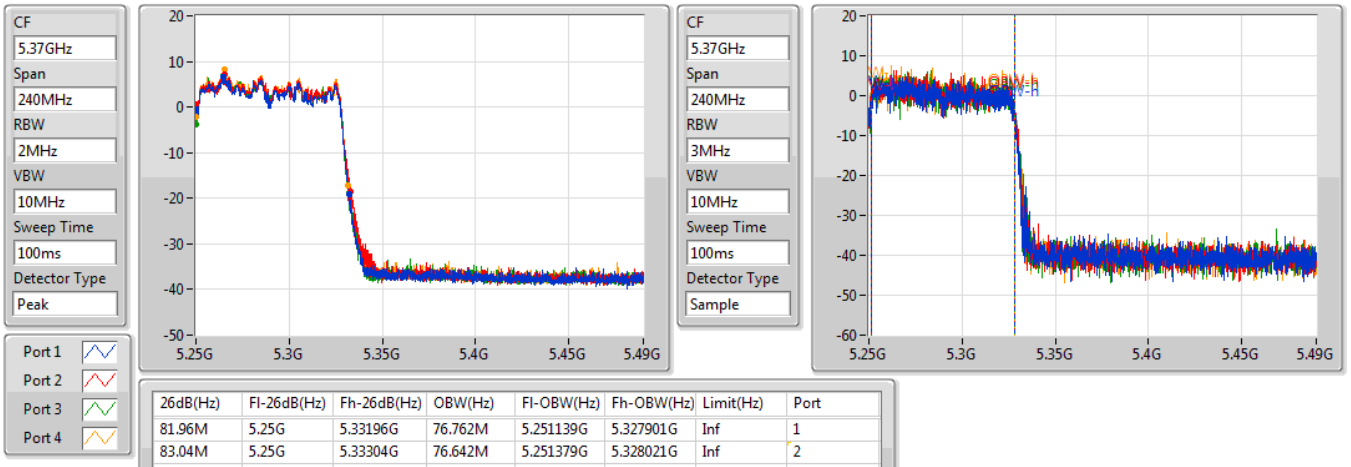


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.72M	5.16828G	5.25G	76.642M	5.171859G	5.248501G	Inf	1
81.72M	5.16828G	5.25G	76.762M	5.171739G	5.248501G	Inf	2
82.68M	5.16732G	5.25G	77.361M	5.171619G	5.248981G	Inf	3
81.96M	5.16804G	5.25G	77.001M	5.171619G	5.248621G	Inf	4

802.11ac VHT160_Nss1,(MCS0)_4TX EBW

5250MHz Straddle 5.25-5.35GHz

30/12/2020

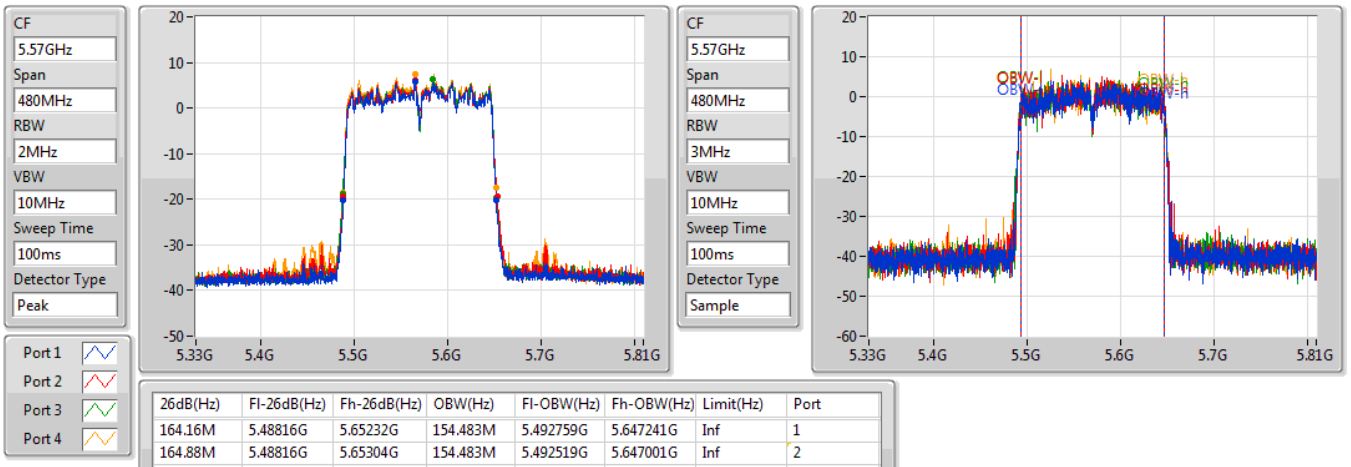


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	5.25G	5.33196G	76.762M	5.251139G	5.327901G	Inf	1
83.04M	5.25G	5.33304G	76.642M	5.251379G	5.328021G	Inf	2
82.2M	5.25G	5.3322G	76.882M	5.251259G	5.328141G	Inf	3
81.84M	5.25G	5.33184G	76.762M	5.251139G	5.327901G	Inf	4

802.11ac VHT160_Nss1,(MCS0)_4TX EBW

5570MHz

30/12/2020



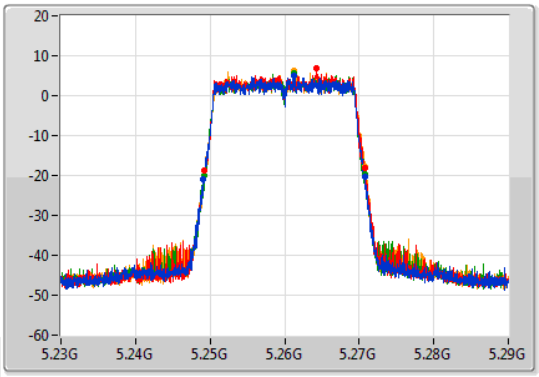
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.16M	5.48816G	5.65232G	154.483M	5.492759G	5.647241G	Inf	1
164.88M	5.48816G	5.65304G	154.483M	5.492519G	5.647001G	Inf	2
164.64M	5.48768G	5.65232G	154.243M	5.492759G	5.647001G	Inf	3
163.92M	5.48768G	5.6516G	154.483M	5.492519G	5.647001G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5260MHz

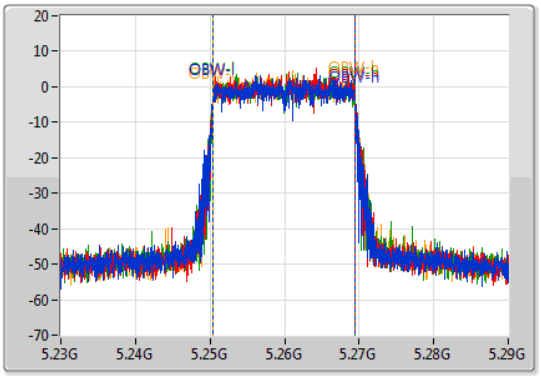
30/12/2020

CF 5.26GHz
Span 60MHz
RBW 300kHz
VBW 1MHz
Sweep Time 100ms
Detector Type Peak



Port 1
Port 2
Port 3
Port 4

CF 5.26GHz
Span 60MHz
RBW 300kHz
VBW 1MHz
Sweep Time 100ms
Detector Type Sample



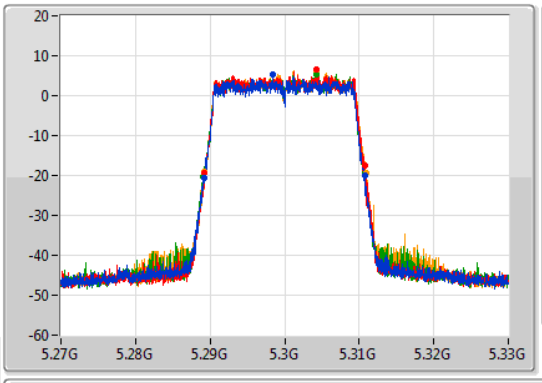
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.72M	5.24911G	5.27083G	19.01M	5.250435G	5.269445G	Inf	1
21.57M	5.24923G	5.2708G	19.01M	5.250435G	5.269445G	Inf	2
21.66M	5.24914G	5.2708G	18.951M	5.250465G	5.269415G	Inf	3
21.54M	5.24923G	5.27077G	18.981M	5.250465G	5.269445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5300MHz

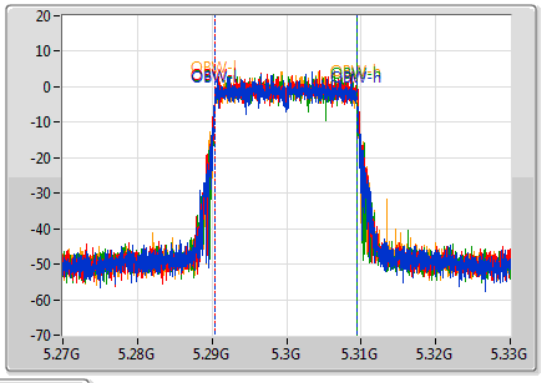
30/12/2020

CF 5.3GHz
Span 60MHz
RBW 300kHz
VBW 1MHz
Sweep Time 100ms
Detector Type Peak



Port 1
Port 2
Port 3
Port 4

CF 5.3GHz
Span 60MHz
RBW 300kHz
VBW 1MHz
Sweep Time 100ms
Detector Type Sample

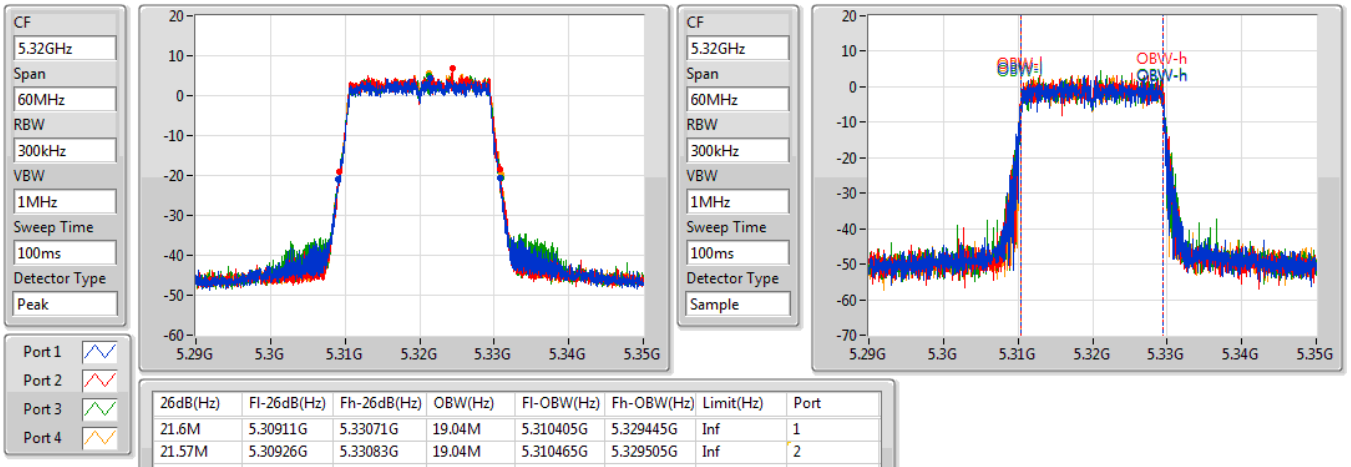


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.57M	5.28914G	5.31071G	18.981M	5.290435G	5.309415G	Inf	1
21.48M	5.28923G	5.31071G	19.07M	5.290435G	5.309505G	Inf	2
21.75M	5.28911G	5.31086G	18.981M	5.290435G	5.309415G	Inf	3
21.72M	5.2892G	5.31092G	18.981M	5.290435G	5.309415G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5320MHz

30/12/2020

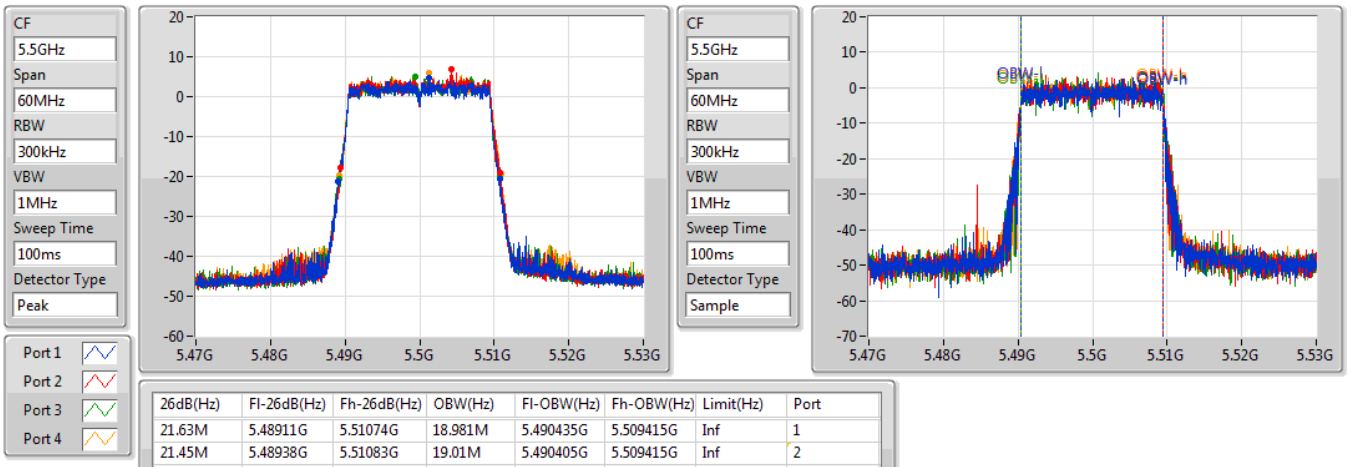


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.30911G	5.33071G	19.04M	5.310405G	5.329445G	Inf	1
21.57M	5.30926G	5.33083G	19.04M	5.310465G	5.329505G	Inf	2
21.78M	5.30911G	5.33089G	19.01M	5.310465G	5.329475G	Inf	3
21.69M	5.30923G	5.33092G	19.04M	5.310435G	5.329475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5500MHz

30/12/2020

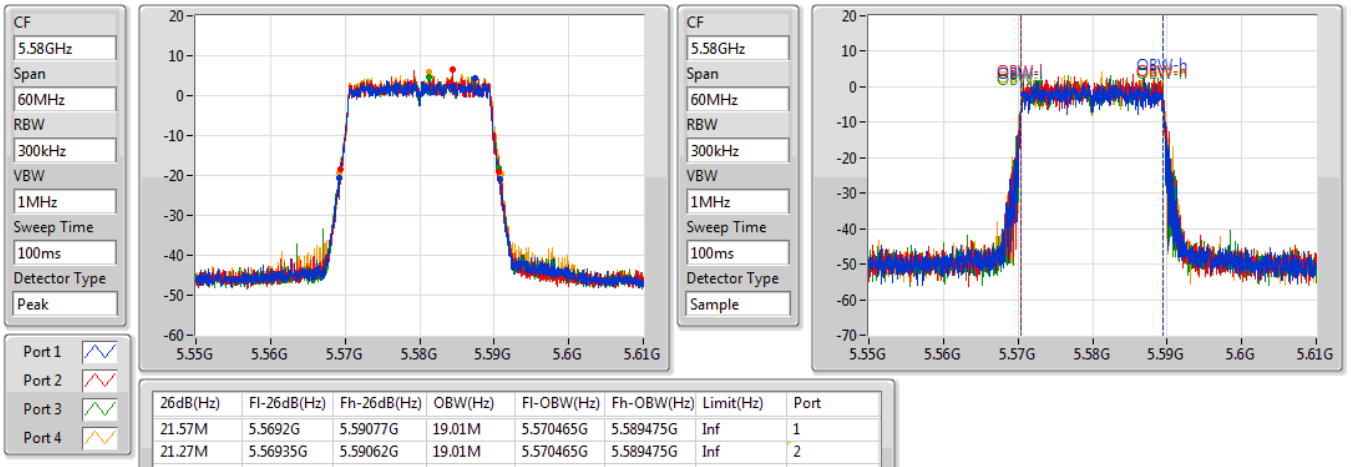


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.63M	5.48911G	5.51074G	18.981M	5.490435G	5.509415G	Inf	1
21.45M	5.48938G	5.51083G	19.01M	5.490405G	5.509415G	Inf	2
21.66M	5.48914G	5.5108G	19.01M	5.490435G	5.509445G	Inf	3
21.72M	5.48917G	5.51089G	19.01M	5.490435G	5.509445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5580MHz

30/12/2020

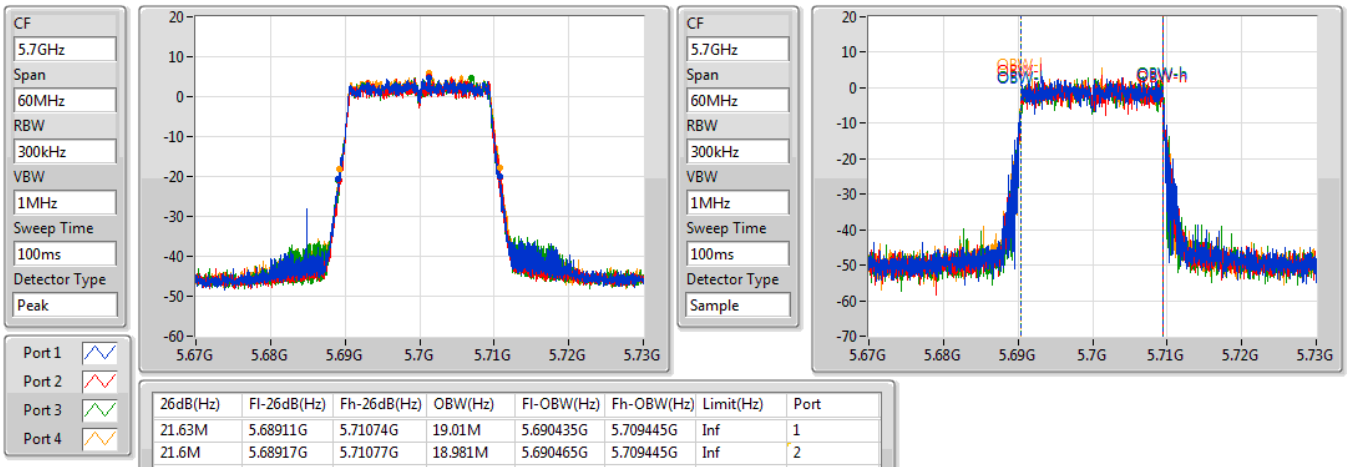


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.57M	5.5692G	5.59077G	19.01M	5.570465G	5.589475G	Inf	1
21.27M	5.56935G	5.59062G	19.01M	5.570465G	5.589475G	Inf	2
21.54M	5.56914G	5.59068G	18.951M	5.570465G	5.589415G	Inf	3
21.72M	5.5692G	5.59092G	19.01M	5.570465G	5.589475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5700MHz

30/12/2020

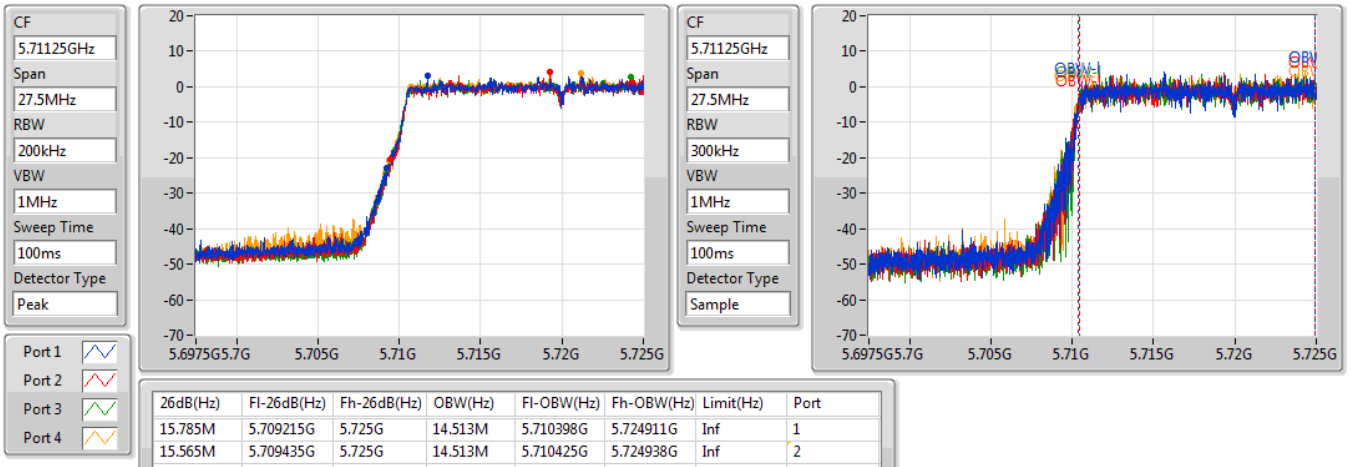


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.63M	5.68911G	5.71074G	19.01M	5.690435G	5.709445G	Inf	1
21.6M	5.68917G	5.71077G	18.981M	5.690465G	5.709445G	Inf	2
21.66M	5.68911G	5.71077G	18.951M	5.690465G	5.709415G	Inf	3
21.48M	5.68929G	5.71077G	18.981M	5.690435G	5.709415G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

30/12/2020

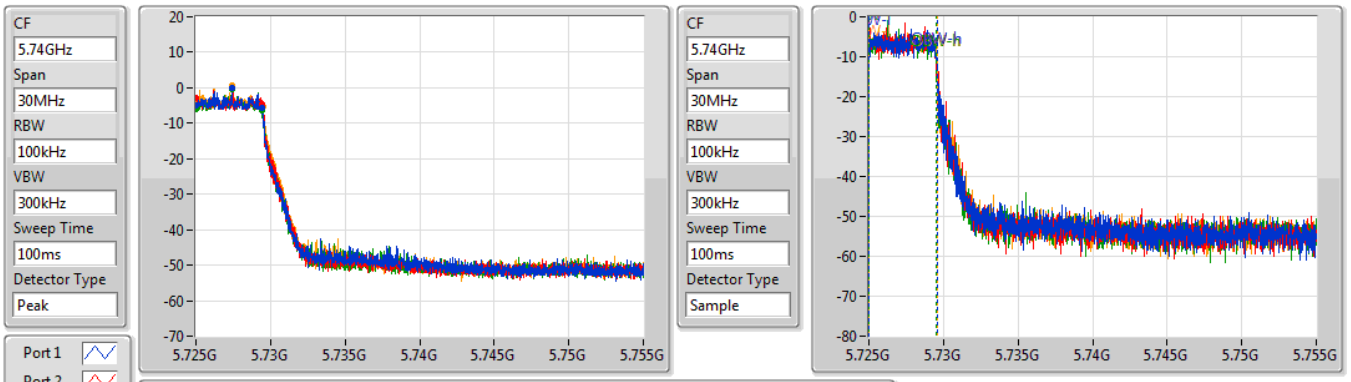


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.785M	5.709215G	5.725G	14.513M	5.710398G	5.724911G	Inf	1
15.565M	5.709435G	5.725G	14.513M	5.710425G	5.724938G	Inf	2
15.799M	5.709201G	5.725G	14.513M	5.710425G	5.724938G	Inf	3
15.648M	5.709353G	5.725G	14.513M	5.710398G	5.724911G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

30/12/2020

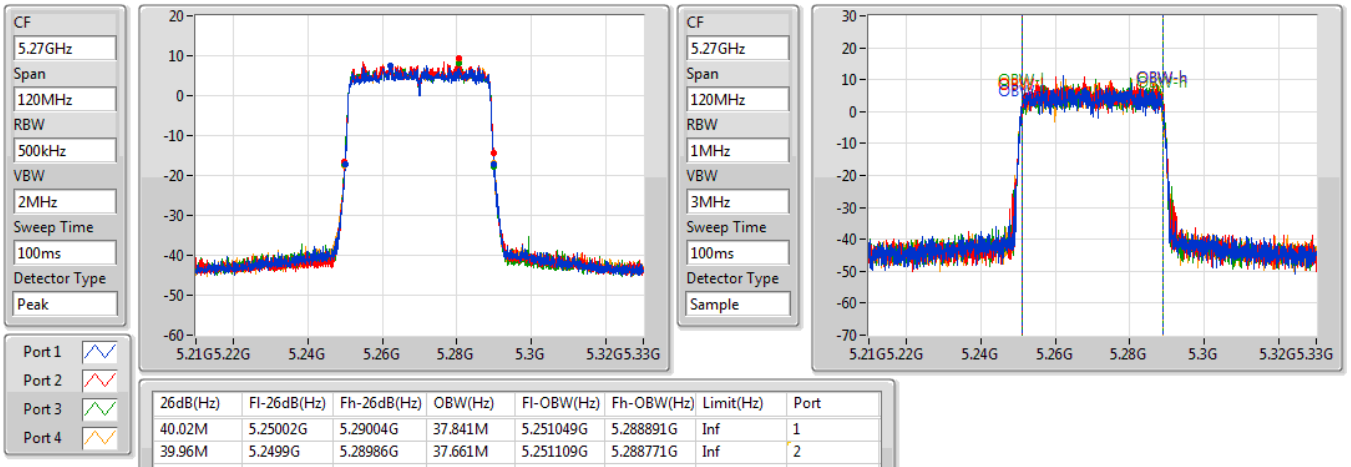


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.44M	5.725G	5.72944G	4.543M	5.725022G	5.729565G	500k	1
4.425M	5.725G	5.729425G	4.558M	5.725022G	5.72958G	500k	2
4.425M	5.725G	5.729425G	4.498M	5.725022G	5.72952G	500k	3
4.515M	5.725G	5.729515G	4.543M	5.725022G	5.729565G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5270MHz

30/12/2020

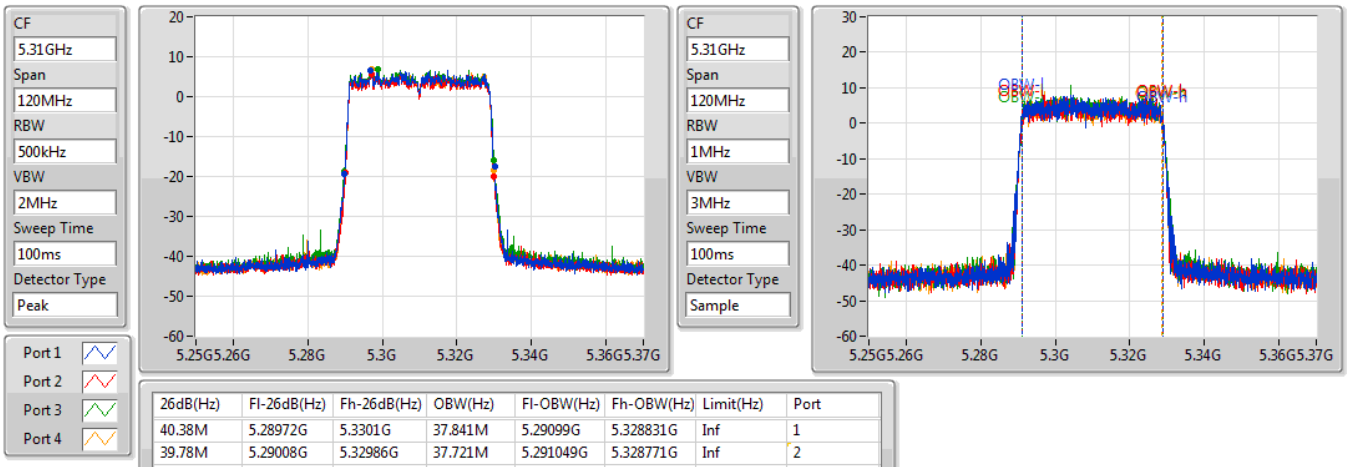


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.25002G	5.29004G	37.841M	5.251049G	5.288891G	Inf	1
39.96M	5.2499G	5.28986G	37.661M	5.251109G	5.288771G	Inf	2
40.02M	5.2499G	5.28992G	37.721M	5.251049G	5.288771G	Inf	3
40.14M	5.2499G	5.29004G	37.781M	5.251049G	5.288831G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5310MHz

30/12/2020

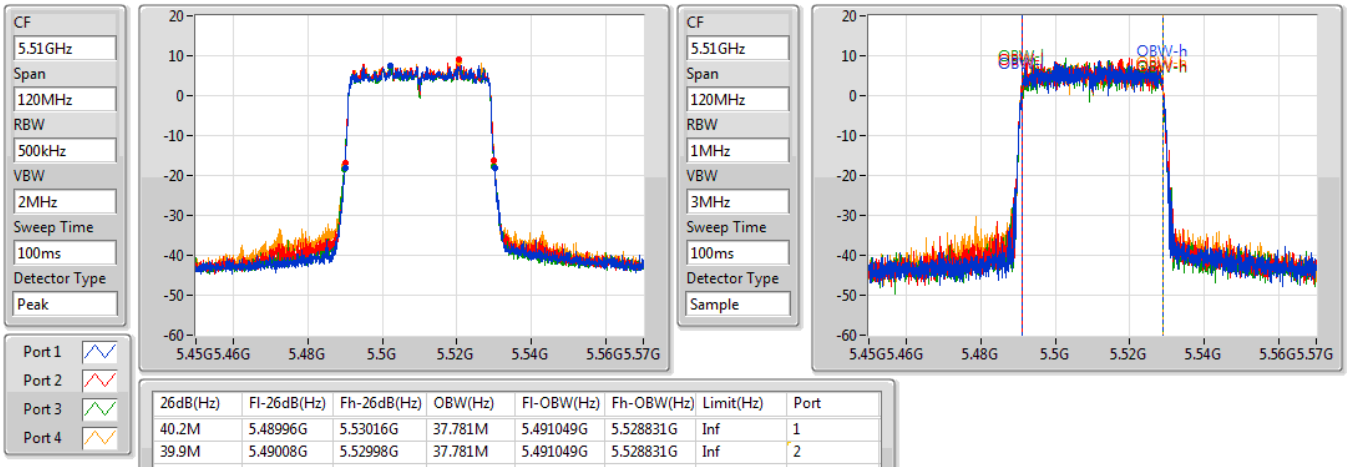


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.38M	5.28972G	5.3301G	37.841M	5.29099G	5.328831G	Inf	1
39.78M	5.29008G	5.32986G	37.721M	5.291049G	5.328771G	Inf	2
40.26M	5.28978G	5.33004G	37.661M	5.291109G	5.328771G	Inf	3
39.96M	5.28996G	5.32992G	37.601M	5.291109G	5.328711G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5510MHz

30/12/2020

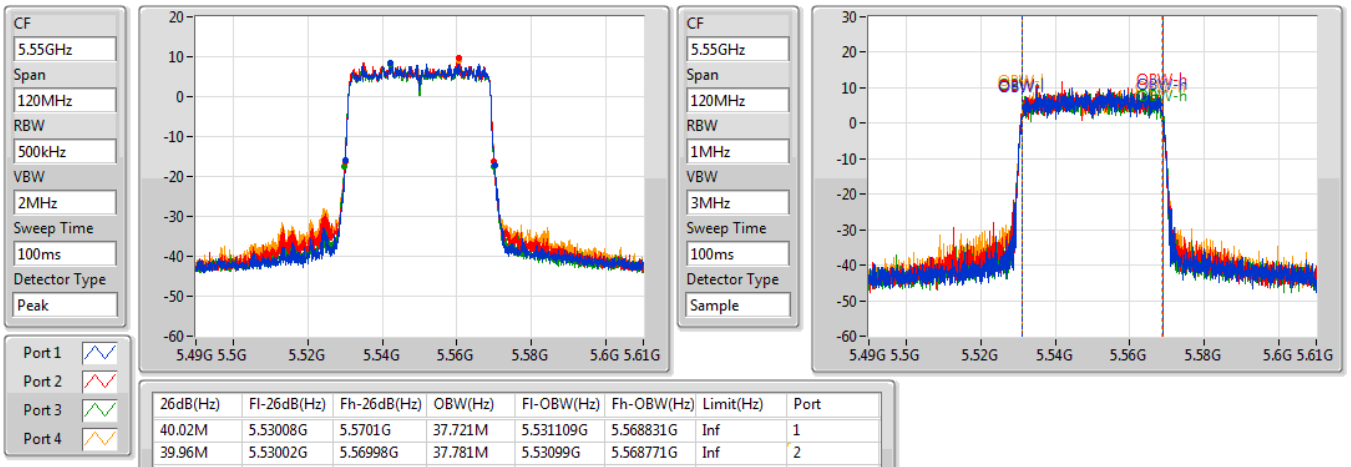


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.48996G	5.53016G	37.781M	5.491049G	5.528831G	Inf	1
39.9M	5.49008G	5.52998G	37.781M	5.491049G	5.528831G	Inf	2
40.32M	5.48972G	5.53004G	37.841M	5.49099G	5.528831G	Inf	3
40.14M	5.4899G	5.53004G	37.841M	5.49099G	5.528831G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5550MHz

30/12/2020

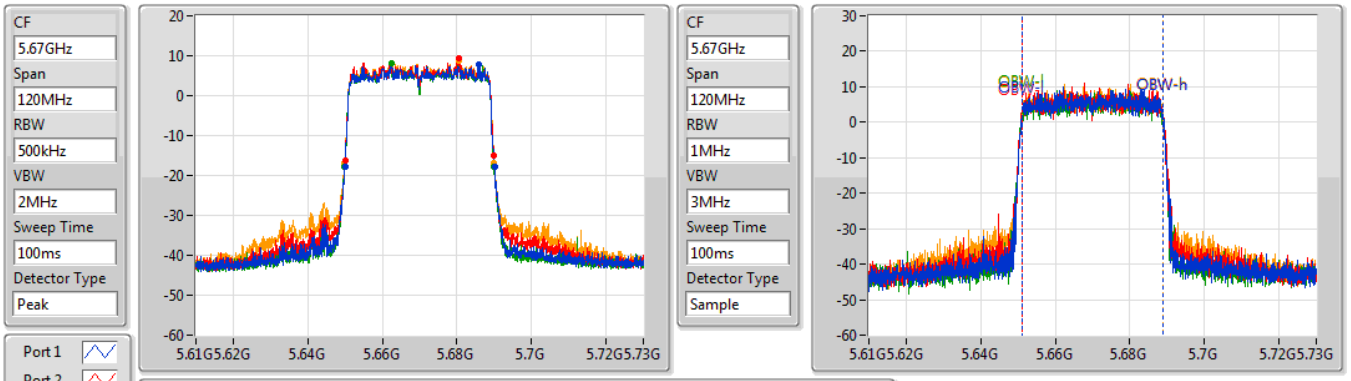


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.53008G	5.5701G	37.721M	5.531109G	5.568831G	Inf	1
39.96M	5.53002G	5.56998G	37.781M	5.53099G	5.568771G	Inf	2
40.08M	5.52984G	5.56992G	37.721M	5.531109G	5.568831G	Inf	3
40.08M	5.52996G	5.57004G	37.661M	5.531049G	5.568711G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5670MHz

30/12/2020

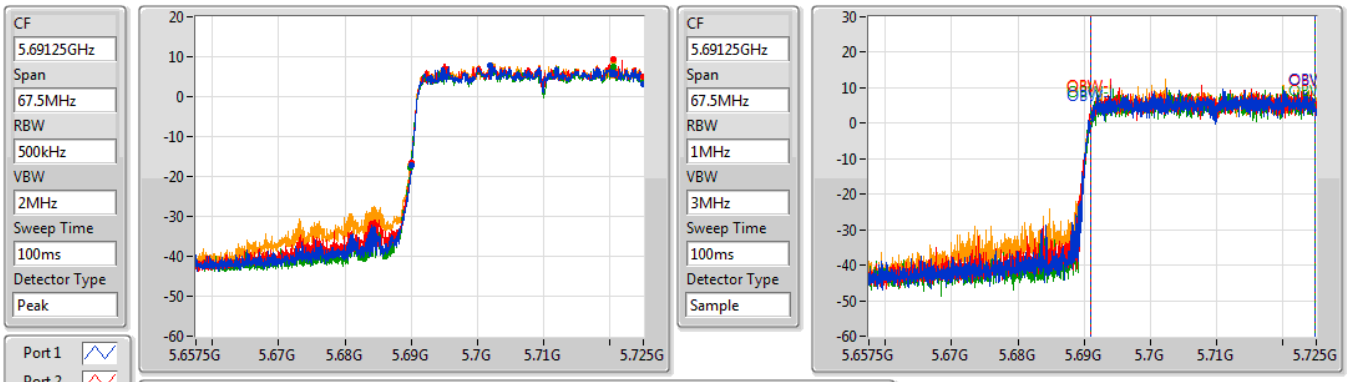


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.65002G	5.6901G	37.721M	5.651109G	5.688831G	Inf	1
39.84M	5.65008G	5.68992G	37.841M	5.651049G	5.688891G	Inf	2
40.08M	5.64984G	5.68992G	37.661M	5.651109G	5.688771G	Inf	3
40.14M	5.6499G	5.69004G	37.721M	5.651049G	5.688771G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.47-5.725GHz

30/12/2020

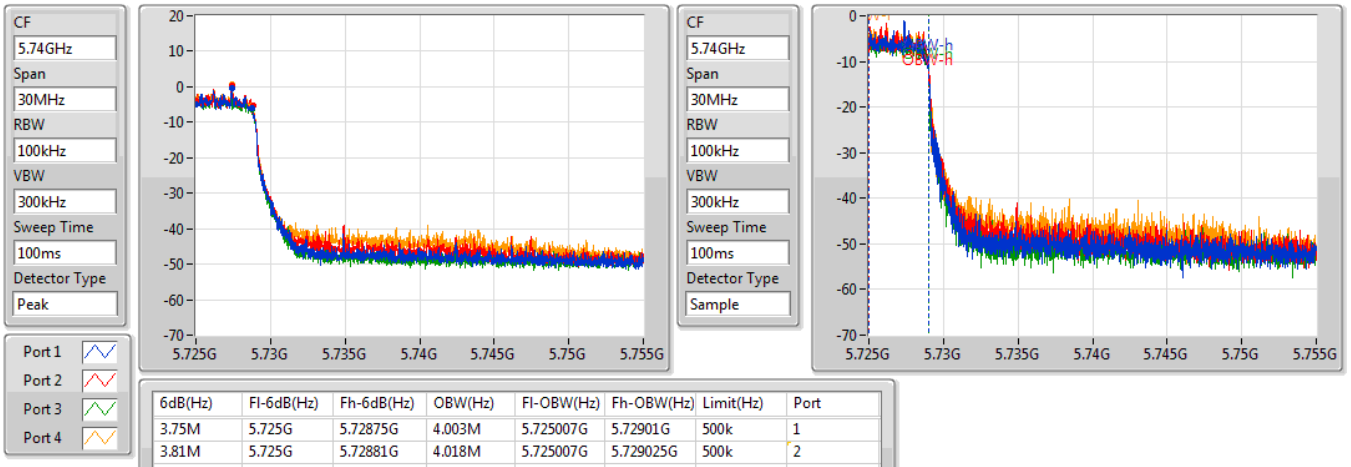


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.965M	5.690035G	5.725G	33.801M	5.69098G	5.724781G	Inf	1
34.965M	5.690035G	5.725G	33.834M	5.69098G	5.724814G	Inf	2
35.168M	5.689833G	5.725G	33.767M	5.691048G	5.724814G	Inf	3
35.134M	5.689866G	5.725G	33.801M	5.691014G	5.724814G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.725-5.85GHz

30/12/2020

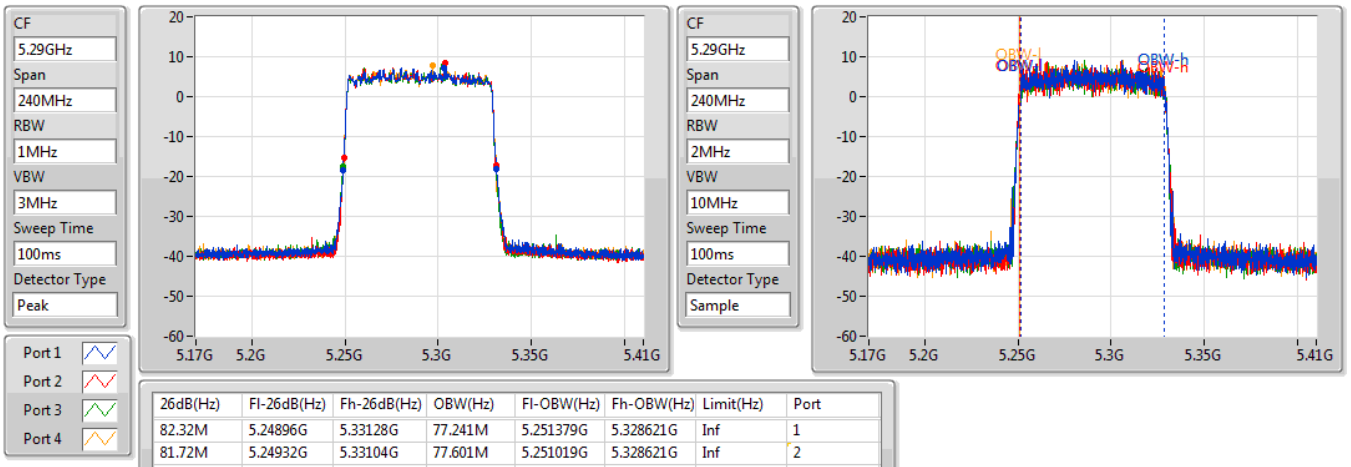


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.75M	5.725G	5.72875G	4.003M	5.725007G	5.72901G	500k	1
3.81M	5.725G	5.72881G	4.018M	5.725007G	5.729025G	500k	2
3.78M	5.725G	5.72878G	4.003M	5.725022G	5.729025G	500k	3
3.75M	5.725G	5.72875G	4.003M	5.725022G	5.729025G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5290MHz

30/12/2020

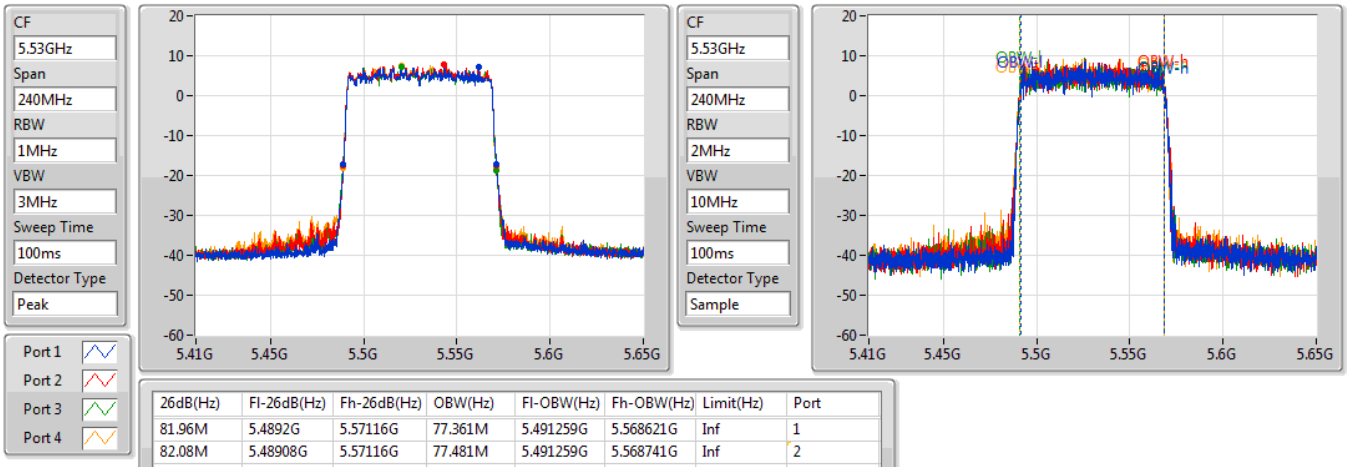


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	5.24896G	5.33128G	77.241M	5.251379G	5.328621G	Inf	1
81.72M	5.24932G	5.33104G	77.601M	5.251019G	5.328621G	Inf	2
81.84M	5.24896G	5.3308G	77.361M	5.251139G	5.328501G	Inf	3
82.08M	5.24908G	5.33116G	77.481M	5.251139G	5.328621G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5530MHz

30/12/2020

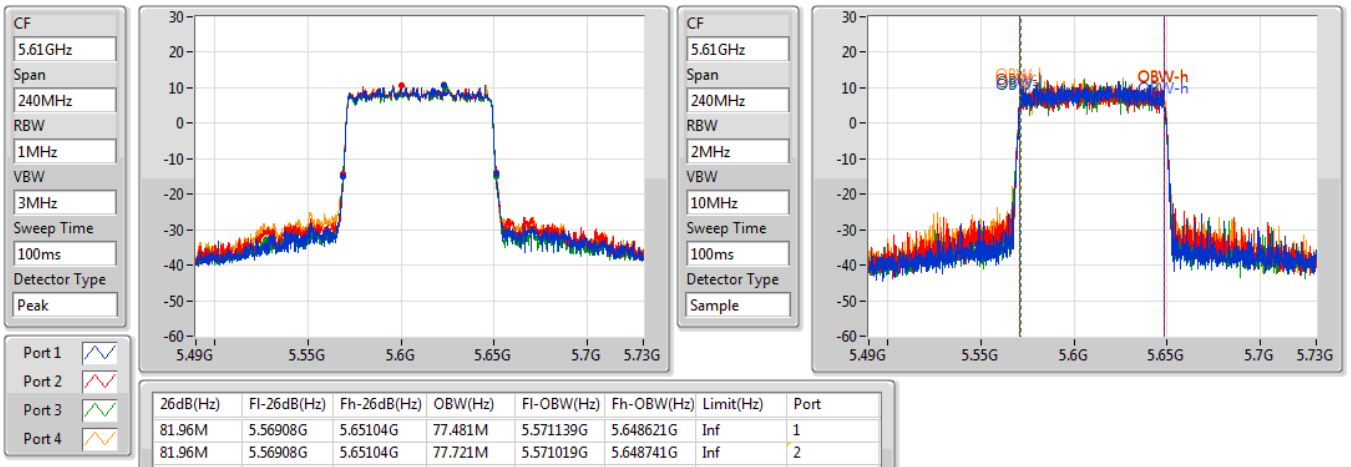


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	5.4892G	5.57116G	77.361M	5.491259G	5.568621G	Inf	1
82.08M	5.48908G	5.57116G	77.481M	5.491259G	5.568741G	Inf	2
82.44M	5.48884G	5.57128G	77.601M	5.491139G	5.568741G	Inf	3
82.32M	5.48908G	5.5714G	77.601M	5.491019G	5.568621G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5610MHz

30/12/2020

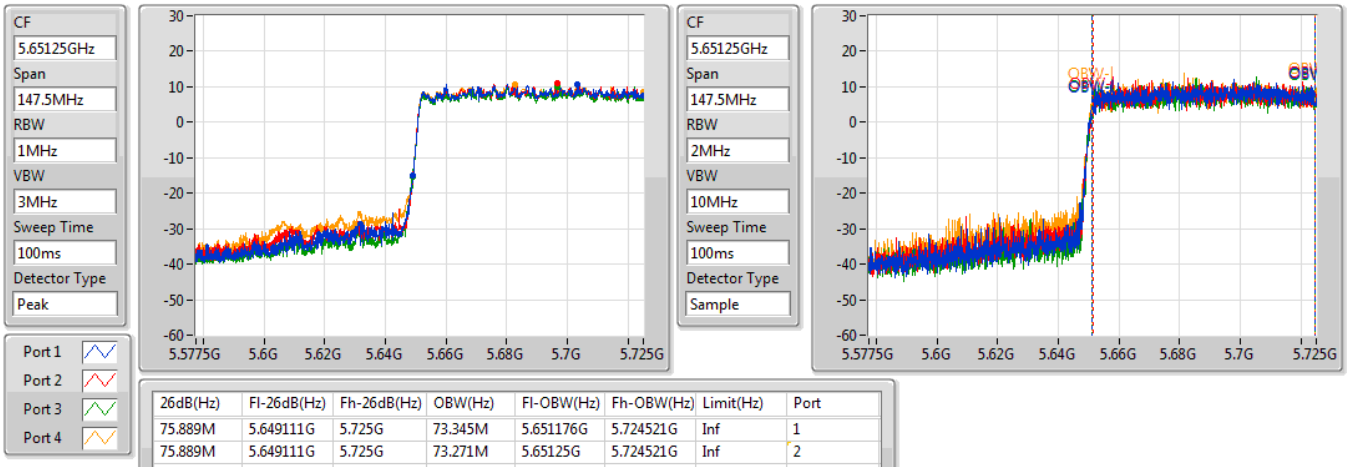


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	5.56908G	5.65104G	77.481M	5.571139G	5.648621G	Inf	1
81.96M	5.56908G	5.65104G	77.721M	5.571019G	5.648741G	Inf	2
82.08M	5.56884G	5.65092G	77.361M	5.571259G	5.648621G	Inf	3
82.32M	5.56896G	5.65128G	77.601M	5.571019G	5.648621G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.47-5.725GHz

30/12/2020

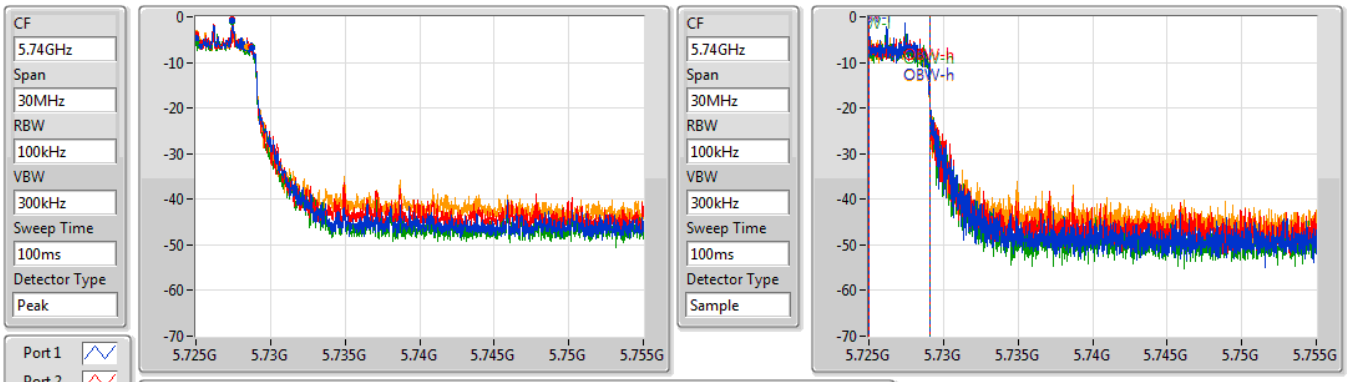


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.889M	5.649111G	5.725G	73.345M	5.651176G	5.724521G	Inf	1
75.889M	5.649111G	5.725G	73.271M	5.65125G	5.724521G	Inf	2
76.184M	5.648816G	5.725G	73.345M	5.651176G	5.724521G	Inf	3
75.963M	5.649038G	5.725G	73.492M	5.651103G	5.724595G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.725-5.85GHz

30/12/2020

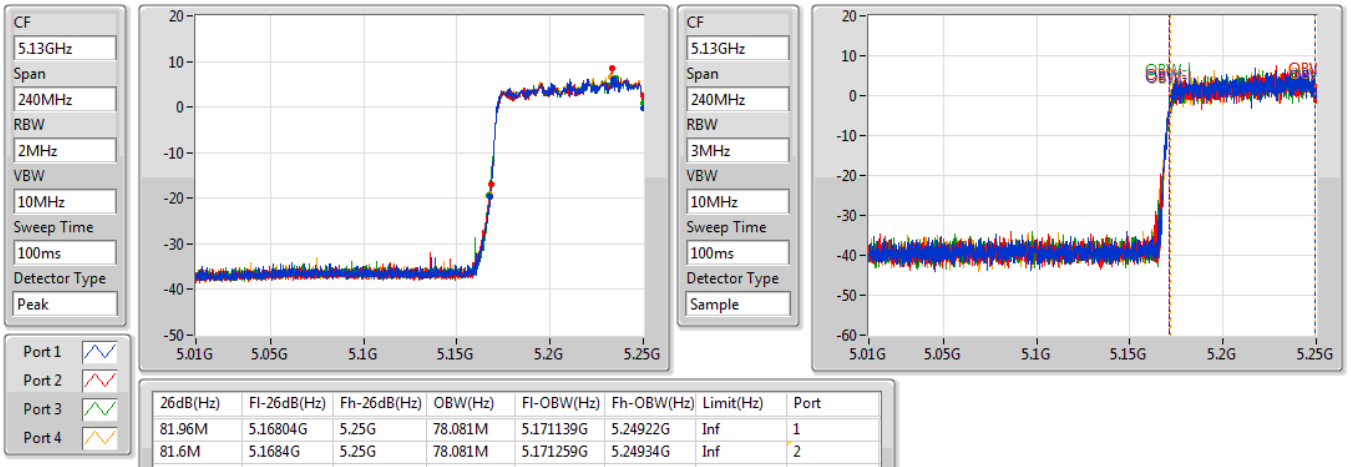


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.795M	5.725G	5.728795G	4.048M	5.725022G	5.72907G	500k	1
3.675M	5.725G	5.728675G	4.048M	5.725007G	5.729055G	500k	2
3.72M	5.725G	5.72872G	4.033M	5.725022G	5.729055G	500k	3
3.465M	5.725G	5.728465G	4.063M	5.725007G	5.72907G	500k	4

802.11ax HEW160_Nss1,(MCS0)_4TX EBW

5250MHz Straddle 5.15-5.25GHz

30/12/2020

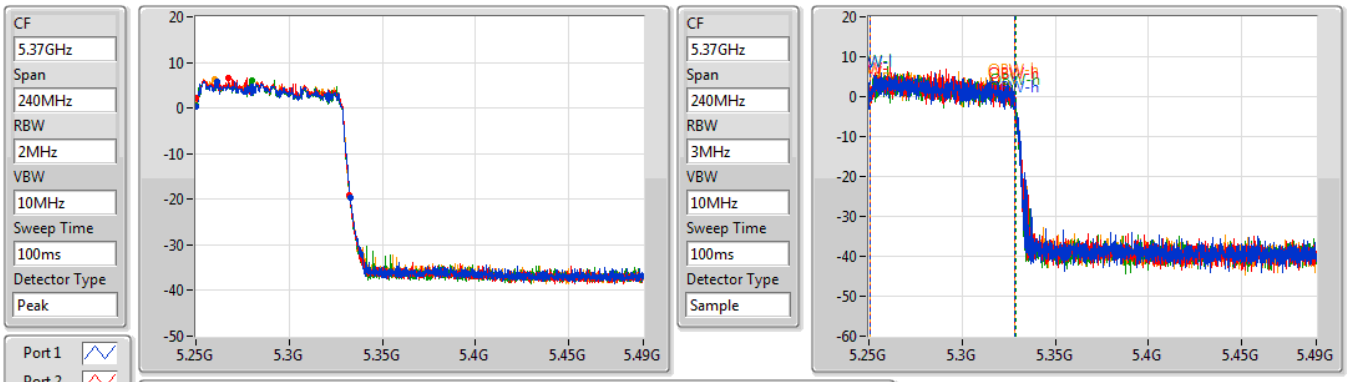


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	5.16804G	5.25G	78.081M	5.171139G	5.24922G	Inf	1
81.6M	5.1684G	5.25G	78.081M	5.171259G	5.24934G	Inf	2
82.68M	5.16732G	5.25G	77.961M	5.171379G	5.24934G	Inf	3
82.32M	5.16768G	5.25G	77.841M	5.171499G	5.24934G	Inf	4

802.11ax HEW160_Nss1,(MCS0)_4TX EBW

5250MHz Straddle 5.25-5.35GHz

30/12/2020

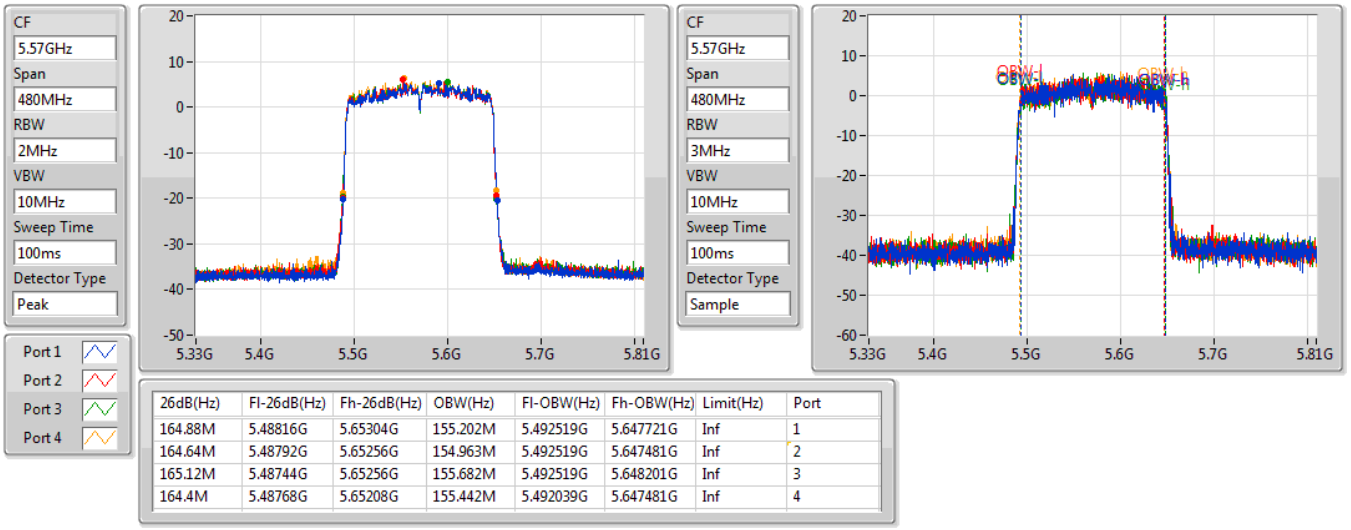


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.92M	5.25G	5.33292G	77.961M	5.25054G	5.328501G	Inf	1
82.56M	5.25G	5.33256G	77.721M	5.25066G	5.328381G	Inf	2
82.68M	5.25G	5.33268G	78.201M	5.25042G	5.328621G	Inf	3
82.44M	5.25G	5.33244G	77.961M	5.25054G	5.328501G	Inf	4

802.11ax HEW160_Nss1,(MCS0)_4TX EBW

5570MHz

30/12/2020



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.88M	5.48816G	5.65304G	155.202M	5.492519G	5.647721G	Inf	1
164.64M	5.48792G	5.65256G	154.963M	5.492519G	5.647481G	Inf	2
165.12M	5.48744G	5.65256G	155.682M	5.492519G	5.648201G	Inf	3
164.4M	5.48768G	5.65208G	155.442M	5.492039G	5.647481G	Inf	4