Testing Laboratory 3785

FCC Radio Test Report

FCC ID	:	UDX-600100011
Equipment	:	Wi-Fi 6 Outdoor Access Point
Brand Name	:	CISCO
Model Name	:	MR76-HW
Applicant	:	Cisco Systems, Inc. 170 West Tasman Drive San Jose, CA 95134 USA
Manufacturer	:	Cisco Systems, Inc. 170 West Tasman Drive San Jose, CA 95134 USA
Standard	:	47 CFR FCC Part 15.407

The product was received on Jul. 25, 2019, and testing was started from Aug. 05, 2019 and completed on Nov. 30, 2022. 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 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: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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History of this test report

Report No.	Version	Description	Issued Date
FR972312-12AN	01	Initial issue of report	Mar. 21, 2023

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Note 1: From Sporton Project No.: FR972312AN

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: Barry Hsiao
Report Producer: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5725-5850		5775	155 [1]

Group 1

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX(Port 1)
5.15-5.25GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	1TX(Port 1)
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	1TX(Port 1)
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	1TX(Port 1)
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	1TX(Port 1)
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	1TX(Port 1)
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	1TX(Port 1)
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	1TX(Port 1)
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ax HEW20	20	1TX(Port 1)
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	1TX(Port 1)
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW40	40	1TX(Port 1)
5.15-5.25GHz	802.11ax HEW40	40	2TX

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ax HEW40	40	1TX(Port 1)
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ax HEW80	80	1TX(Port 1)
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	1TX(Port 1)
5.725-5.85GHz	802.11ax HEW80	80	2TX

Group 2/3/4

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX(Port 2)
5.15-5.25GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	1TX(Port 2)
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	1TX(Port 2)
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	1TX(Port 2)
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	1TX(Port 2)
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	1TX(Port 2)
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	1TX(Port 2)
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	1TX(Port 2)
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ax HEW20	20	1TX(Port 2)
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	1TX(Port 2)
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW40	40	1TX(Port 2)
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	1TX(Port 2)
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ax HEW80	80	1TX(Port 2)
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	1TX(Port 2)
5.725-5.85GHz	802.11ax HEW80	80	2TX

Scanning Radio

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX
5.15-5.25GHz	802.11n HT20	20	1TX
5.15-5.25GHz	802.11ac VHT20	20	1TX
5.15-5.25GHz	802.11n HT40	40	1TX
5.15-5.25GHz	802.11ac VHT40	40	1TX
5.15-5.25GHz	802.11ac VHT80	80	1TX
5.725-5.85GHz	802.11a	20	1TX
5.725-5.85GHz	802.11n HT20	20	1TX
5.725-5.85GHz	802.11ac VHT20	20	1TX
5.725-5.85GHz	802.11n HT40	40	1TX
5.725-5.85GHz	802.11ac VHT40	40	1TX
5.725-5.85GHz	802.11ac VHT80	80	1TX

Group 1/2/3/4 (Beamforming)

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ac VHT20-BF	20	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX
5.15-5.25GHz	802.11ax HEW20-BF	20	2TX
5.725-5.85GHz	802.11ax HEW20-BF	20	2TX
5.15-5.25GHz	802.11ax HEW40-BF	40	2TX
5.725-5.85GHz	802.11ax HEW40-BF	40	2TX
5.15-5.25GHz	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 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Group	Ant. No.		Brand	Model Name	Antenna Type	Connector
1	20	1	Grand-Tek	MA-ANT-20	Omni	N-Type
		2	Grand-Tek	MA-ANT-20	Omni	N-Type
		3	Grand-Tek	MA-ANT-20	Omni	N-Type
		4	Grand-Tek	MA-ANT-20	Omni	N-Type
2	21+23	1	Grand-Tek	MA-ANT-23	Sector	N-Type
		2	Grand-Tek	MA-ANT-23	Sector	N-Type
		3	Grand-Tek	MA-ANT-21	Sector	N-Type
		4	Grand-Tek	MA-ANT-21	Sector	N-Type
3	25	1	Grand-Tek	MA-ANT-25	Sector	N-Type
		2	Grand-Tek	MA-ANT-25	Sector	N-Type
		3	Grand-Tek	MA-ANT-25	Sector	N-Type
		4	Grand-Tek	MA-ANT-25	Sector	N-Type
4	27	1	Grand-Tek	MA-ANT-27	Sector	N-Type
		2	Grand-Tek	MA-ANT-27	Sector	N-Type
		3	Grand-Tek	MA-ANT-27	Sector	N-Type
		4	Grand-Tek	MA-ANT-27	Sector	N-Type
-	-	5	Senao	MR76	PIFA	I-PEX
-	-	6	Senao	MR76	PIFA	I-PEX

Group	Ant. No.		Gain (dBi)			Elevation angle above 30 degrees Gain (dBi)	Remark
			2.4G	5G	BT		
1	20	1	4	-	-	-	Radio 1
		2	4	-	-	-	Radio 1
		3	-	7	-	-1	Radio 2
		4	-	7	-	-1	Radio 2
2	21+23	1	11	-	-	-	Radio 1
		2	11	-	-	-	Radio 1
		3	-	13	-	11.2	Radio 2
		4	-	13	-	11.2	Radio 2
3	25	1	8.1	-	-	-	Radio 1
		2	8.1	-	-	-	Radio 1
		3	-	7.1	-	1.8	Radio 2
		4	-	7.1	-	1.8	Radio 2
4	27	1	9.8	-	-	-	Radio 1
		2	9.8	-	-	-	Radio 1
		3	-	11.3	-	9.7	Radio 2
		4	-	11.3	-	9.7	Radio 2
-	-	5	4.6	5.9	-	5.2	Radio 3 (Scanning Radio)
-	-	6	-	-	4.7	-	Radio 4 (BT LE)

Note 1: The EUT has six antennas.

Note 2: The antenna mentioned above group 1~4 will not be sold with the EUT in the market.

For 2.4GHz function:

<Radio 1>

For IEEE 802.11 b/g/n/ac/ax mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was recorded in this test report.

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

Ant. 1 and Ant. 2 could transmit/receive simultaneously.

<Radio 3>

For IEEE 802.11 b/g/n/ac mode (1TX/1RX)

Ant. 5 could transmit/receive simultaneously.

For 5GHz function:

<Radio 2>

For IEEE 802.11 a/an/ac/ax mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was recorded in this test report.

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

Ant. 3 and Ant. 4 could transmit/receive simultaneously.

<Radio 3>

For IEEE 802.11 a/an/ac mode (1TX/1RX)

Ant. 5 could transmit/receive simultaneously.
For BT function:
<Radio 4>
For IEEE 802.15.1 Bluetooth mode (1TX/1RX)
Ant. 6 could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From PoE			
EUT Function	☒	Outdoor AP (Radio 1and Radio 2)	☐	Indoor AP
	☐	Fixed P2P AP	☐	Client (Radio 3)
Beamforming Function	☒	With beamforming	☐	Without beamforming
Resource Unit(802.11ax)	☒	Full RU	☐	Partial RU

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

Group 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.941	0.26	1.981m	1k
802.11ax HEW20	0.956	0.2	5.45m	300
802.11ax HEW40	0.958	0.19	5.45m	300
802.11ax HEW80	0.958	0.19	5.45m	300
802.11ac VHT20	0.952	0.21	5.431m	300
802.11ac VHT40	0.955	0.2	5.431m	300
802.11ac VHT80	0.953	0.21	5.431m	300

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

Group 2/3/4

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.945	0.25	1.981m	1k
802.11ax HEW20	0.957	0.19	5.45m	300
802.11ax HEW40	0.956	0.2	5.45m	300
802.11ax HEW80	0.956	0.2	5.45m	300
802.11ac VHT20	0.953	0.21	5.431m	300
802.11ac VHT40	0.955	0.2	5.431m	300
802.11ac VHT80	0.953	0.21	5.431m	300

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

Scanning Radio

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.962	0.17	2.028m	1k
802.11ac VHT20	0.964	0.16	1.901m	1k
802.11ac VHT40	0.928	0.32	936.563u	3k
802.11ac VHT80	0.867	0.62	456.563u	3k

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

Group 1/2/3/4(Beamforming)

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF	0.914	0.39	1.758m	1k
802.11ax HEW40-BF	0.925	0.34	1.693m	1k
802.11ax HEW80-BF	0.917	0.38	1.949m	1k
802.11ac VHT20-BF	0.931	0.31	1.758m	1k
802.11ac VHT40-BF	0.934	0.3	1.693m	1k
802.11ac VHT80-BF	0.944	0.25	1.949m	1k

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.

Sample	Description
SKU1: Screened C-temp	All the Samples are identical, the difference samples for difference NAND, DDR, Security chip.
SKU2: unscreened C-temp	

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**
AC Conduction	CO04-HY	Edward	25.2~26.9°C / 60.1~63.3%	15/Aug/2019
AC Conduction (Beamforming)	CO04-HY	Edward	25.5~26.2°C / 60.3~62.2%	08/Oct/2019
RF Conducted	TH01-HY	Andy	22.5~25.9°C / 59.5~66.8%	10/Aug/2019~16/Sep/2019
Radiated	03CH02-HY	Edward	23.5~24.3°C / 55~61%	05/Aug/2019~08/Oct/2019
Radiated	03CH03-HY	Terry	24.8~25.2°C / 51~55%	05/Aug/2019~08/Oct/2019
Radiated (Co-location)	03CH02-HY	Jack	21.5~22.3°C / 57~61%	30/Nov/2022
☒ 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.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
Radiated	03CH09-HY	Justin	24.2~26.2°C / 48~53%	05/Aug/2019~08/Oct/2019

Note 1: Laboratory number TAF 3785 is a spin-off from the original Laboratory number TAF 1190.
Note 2: The tested sample of the verified test item was received on Oct. 25, 2022.

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)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

Radiated(Co-location)

Test Items	Uncertainty	Remark
Unwanted Emissions	4.8 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	QRCT V4.0 00123 and QRCT V3.0 0297

Group 1

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX(Port1)	-
5180MHz	14.5
5200MHz	22.5
5240MHz	22
5745MHz	24
5785MHz	24
5825MHz	24
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	17.5
5200MHz	20
5240MHz	20
5745MHz	22.5
5785MHz	24
5825MHz	24
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	-
5180MHz	17.5
5200MHz	22
5240MHz	22
5745MHz	24
5785MHz	24
5825MHz	24
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	17.5
5200MHz	19.5
5240MHz	20
5745MHz	20.5
5785MHz	22.5
5825MHz	21
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-
5190MHz	16.5
5230MHz	20
5755MHz	22
5795MHz	22
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	16.5

Mode	Power Setting
5230MHz	18
5755MHz	18.5
5795MHz	20
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-
5210MHz	16
5775MHz	19
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	19.5
5775MHz	22
802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)	-
5180MHz	17.5
5200MHz	22
5240MHz	22
5745MHz	24
5785MHz	24
5825MHz	24
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	17.5
5200MHz	19.5
5240MHz	20
5745MHz	20.5
5785MHz	22.5
5825MHz	21
802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)	-
5190MHz	16.5
5230MHz	20
5755MHz	22
5795MHz	22
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	16.5
5230MHz	18
5755MHz	18.5
5795MHz	20
802.11ax HEW80_Nss1,(MCS0)_1TX(Port1)	-
5210MHz	16
5775MHz	19
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	19.5
5775MHz	22

Group 2

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX(Port2)	-
5180MHz	10.5
5200MHz	11
5240MHz	11
5745MHz	20.5
5785MHz	24
5825MHz	21.5
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	7.5
5200MHz	8
5240MHz	7.5
5745MHz	20
5785MHz	20.5
5825MHz	20.5
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	-
5180MHz	10.5
5200MHz	11
5240MHz	10.5
5745MHz	21.5
5785MHz	24
5825MHz	24
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	7.5
5200MHz	8
5240MHz	7.5
5745MHz	20
5785MHz	20.5
5825MHz	19.5
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	-
5190MHz	10.5
5230MHz	10.5
5755MHz	18
5795MHz	18.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	7.5
5230MHz	7.5
5755MHz	18
5795MHz	18
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-
5210MHz	10.5
5775MHz	15
802.11ac VHT80_Nss1,(MCS0)_2TX	-

Mode	Power Setting
5210MHz	7.5
5775MHz	15
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-
5180MHz	10.5
5200MHz	11
5240MHz	10.5
5745MHz	21.5
5785MHz	24
5825MHz	24
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	7.5
5200MHz	8
5240MHz	7.5
5745MHz	20
5785MHz	20.5
5825MHz	19.5
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-
5190MHz	10.5
5230MHz	10.5
5755MHz	18
5795MHz	18.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	7.5
5230MHz	7.5
5755MHz	18
5795MHz	18
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	-
5210MHz	10.5
5775MHz	15
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	7.5
5775MHz	15

Group 3

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX(Port2)	-
5180MHz	19
5200MHz	20.5
5240MHz	20
5745MHz	24
5785MHz	24
5825MHz	24
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	17.5
5200MHz	17.5
5240MHz	17
5745MHz	24
5785MHz	24
5825MHz	24
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	-
5180MHz	18.5
5200MHz	20.5
5240MHz	20
5745MHz	23.5
5785MHz	24
5825MHz	24
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	17.5
5200MHz	17.5
5240MHz	17
5745MHz	24
5785MHz	24
5825MHz	23.5
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	-
5190MHz	17.5
5230MHz	20
5755MHz	21
5795MHz	22.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	17.5
5230MHz	17
5755MHz	20.5
5795MHz	21
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-
5210MHz	17
5775MHz	19
802.11ac VHT80_Nss1,(MCS0)_2TX	-

Mode	Power Setting
5210MHz	16.5
5775MHz	18
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-
5180MHz	18.5
5200MHz	20.5
5240MHz	20
5745MHz	23.5
5785MHz	24
5825MHz	24
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	17.5
5200MHz	17.5
5240MHz	17
5745MHz	24
5785MHz	24
5825MHz	22.5
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-
5190MHz	17.5
5230MHz	20
5755MHz	21
5795MHz	22.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	17.5
5230MHz	17
5755MHz	20.5
5795MHz	21
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	-
5210MHz	17
5775MHz	19
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	16.5
5775MHz	18

Group 4

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX(Port2)	-
5180MHz	12.5
5200MHz	12.5
5240MHz	12
5745MHz	22
5785MHz	24
5825MHz	21.5
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	9.5
5200MHz	9.5
5240MHz	9
5745MHz	22.5
5785MHz	23
5825MHz	21.5
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	-
5180MHz	12.5
5200MHz	12.5
5240MHz	11.5
5745MHz	20.5
5785MHz	21.5
5825MHz	20.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	9.5
5200MHz	10
5240MHz	9
5745MHz	20
5785MHz	21.5
5825MHz	20
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	-
5190MHz	12
5230MHz	12
5755MHz	18.5
5795MHz	18.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	9.5
5230MHz	9
5755MHz	18
5795MHz	18.5
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-
5210MHz	12
5775MHz	15.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-

Mode	Power Setting
5210MHz	9
5775MHz	16
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-
5180MHz	12.5
5200MHz	12.5
5240MHz	11.5
5745MHz	20.5
5785MHz	21.5
5825MHz	20.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	9.5
5200MHz	10
5240MHz	9
5745MHz	20
5785MHz	21.5
5825MHz	20
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-
5190MHz	12
5230MHz	12
5755MHz	18.5
5795MHz	18.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	9.5
5230MHz	9
5755MHz	18
5795MHz	18.5
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	-
5210MHz	12
5775MHz	15.5
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	9
5775MHz	16

Scanning Radio

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	15.5
5200MHz	15
5240MHz	15
5745MHz	6
5785MHz	6
5825MHz	6
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	15
5200MHz	15
5240MHz	14.5
5745MHz	6.5
5785MHz	7
5825MHz	7
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	11
5230MHz	16
5755MHz	7.5
5795MHz	7.5
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	7
5775MHz	9

Group 1_Beamforming

Mode	Power Setting
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	18
5230MHz	20
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	18
5775MHz	20
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5745MHz	20
5785MHz	20
5825MHz	20
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	18
5230MHz	20
5755MHz	20
5795MHz	20
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	18
5775MHz	20

Group 2_Beamforming

Mode	Power Setting
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	10
5200MHz	10
5240MHz	10
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	10
5230MHz	10
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	10
5775MHz	15
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	10
5200MHz	10
5240MHz	10
5745MHz	20
5785MHz	20
5825MHz	20
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	10
5230MHz	10
5755MHz	20
5795MHz	20
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	10
5775MHz	15

Group 3_Beamforming

Mode	Power Setting
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	19
5230MHz	19
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	18
5775MHz	19
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5745MHz	20
5785MHz	20
5825MHz	20
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	19
5230MHz	19
5755MHz	20
5795MHz	20
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	18
5775MHz	19

Group 4_Beamforming

Mode	Power Setting
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	12
5200MHz	12
5240MHz	12
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	12
5230MHz	12
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	11
5775MHz	20
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	12
5200MHz	12
5240MHz	12
5745MHz	20
5785MHz	20
5825MHz	20
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	12
5230MHz	12
5755MHz	20
5795MHz	20
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	11
5775MHz	20

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	PoE mode

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4GHz+ WLAN 5GHz+ Scanning Radio WLAN 2.4GHz+Bluetooth
2	WLAN 2.4GHz+ WLAN 5GHz+ Scanning Radio WLAN 5GHz+Bluetooth
Refer to Sporton Test Report No.: FA972312-12 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
Mounting bracket	**Brand Name**	CISCO	**Model Name**	MR76-HW

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

2.4 Support Equipment

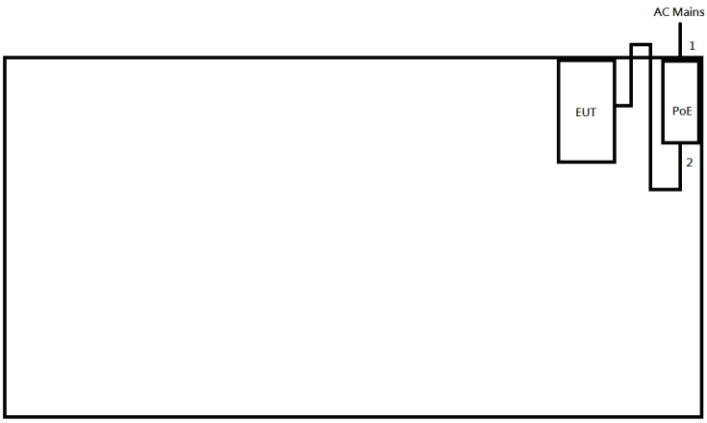
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	PoE	PHIHONG	POEA30U-1ATE	N/A	Provided by Customer
2	Power Cable	CHING CHANG	N/A	N/A	Provided by Customer
3	LAN Cable	Power sync	CAT-6E-01	N/A	-

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	DoC	-
2	Adapter for NB	DELL	HA65NM130	DoC	-
3	AC Power Source	G.W	APS-9102	N/A	-

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	LAN Cable	Power sync	CAT-6E-10	N/A	-
2	PoE	PHIHONG	POEA30U-1ATE	N/A	Remote
3	Power Cable	CHING CHANG	N/A	N/A	Remote Provided by Customer
4	LAN Cable	Power sync	N/A	N/A	Remote

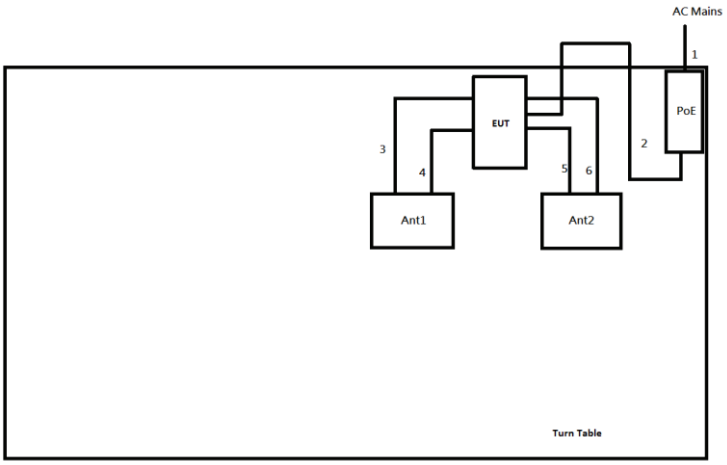
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test (Group 1/Scanning Radio)



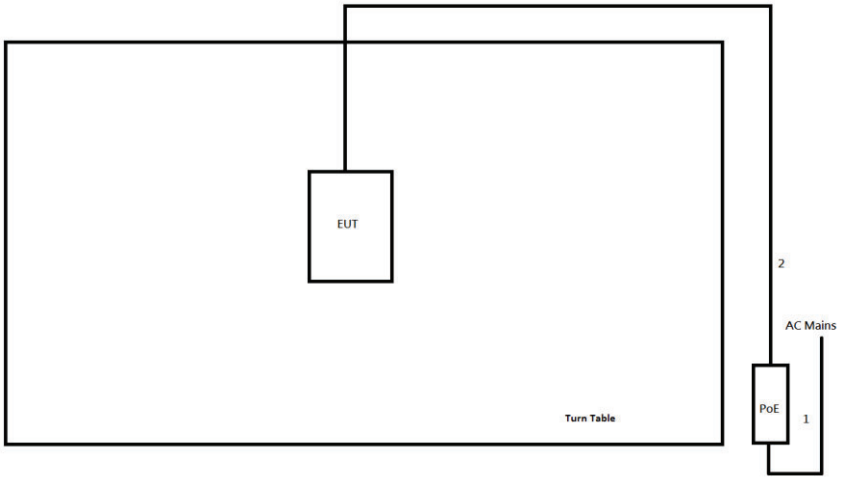
Item	Connection	Shielded	Length
1	Power Cable	No	1.8m
2	LAN Cable	No	1.0m

Test Setup Diagram – AC Line Conducted Emission Test (Group 2/3/4)



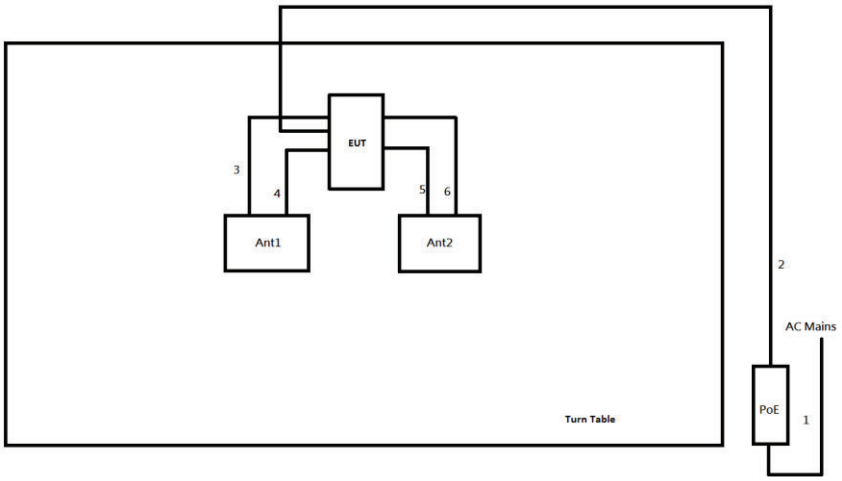
Item	Connection	Shielded	Length
1	Power Cable	No	1.8m
2	LAN Cable	No	1.0m
3	Antenna Cable	No	0.35 m
4	Antenna Cable	No	0.35 m
5	Antenna Cable	No	0.35 m
6	Antenna Cable	No	0.35 m

Test Setup Diagram - Radiated Test (Group 1/Scanning Radio)



Item	Connection	Shielded	Length
1	Power Cable	No	1.8m
2	LAN Cable	No	10m

Test Setup Diagram - Radiated Test (Group 2/3/4)



Item	Connection	Shielded	Length
1	Power Cable	No	1.8m
2	LAN Cable	No	10m
3	Antenna Cable	No	0.35 m
4	Antenna Cable	No	0.35 m
5	Antenna Cable	No	0.35 m
6	Antenna Cable	No	0.35 m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

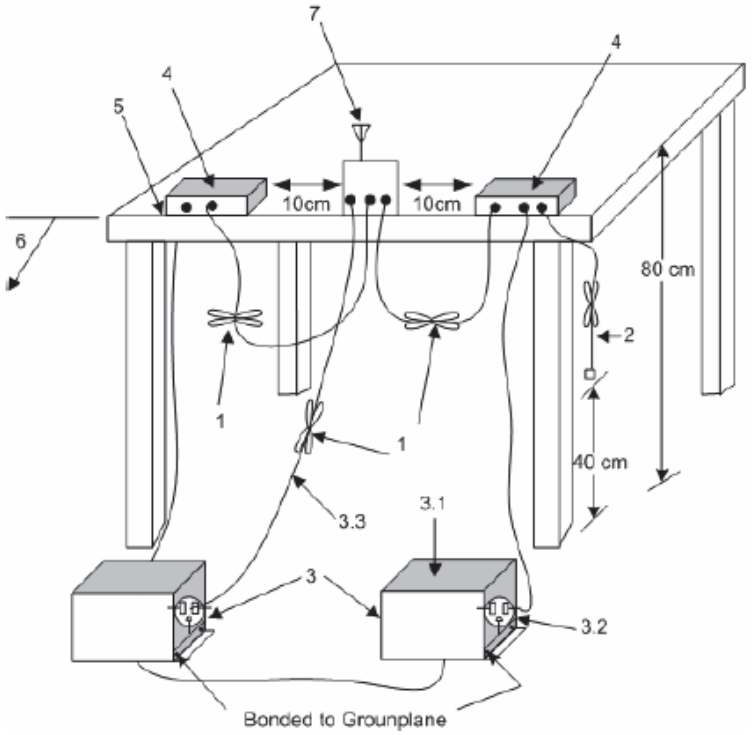
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) +LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 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.

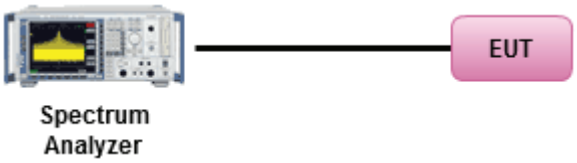
3.2.2 Measuring Instruments

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

3.2.3 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.

3.2.4 Test Setup

Emission Bandwidth
 Spectrum Analyzer

3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 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.	

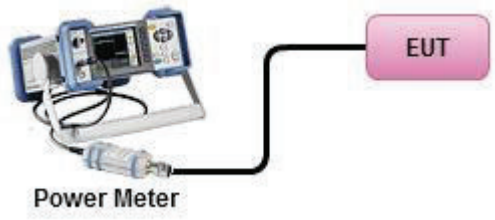
3.3.2 Measuring Instruments

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

3.3.3 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]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 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.	

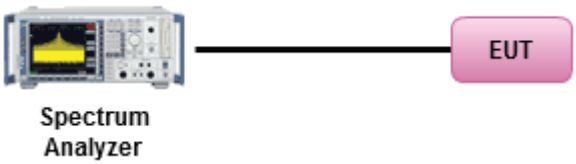
3.4.2 Measuring Instruments

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

3.4.3 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]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 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).

3.5.2 Measuring Instruments

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

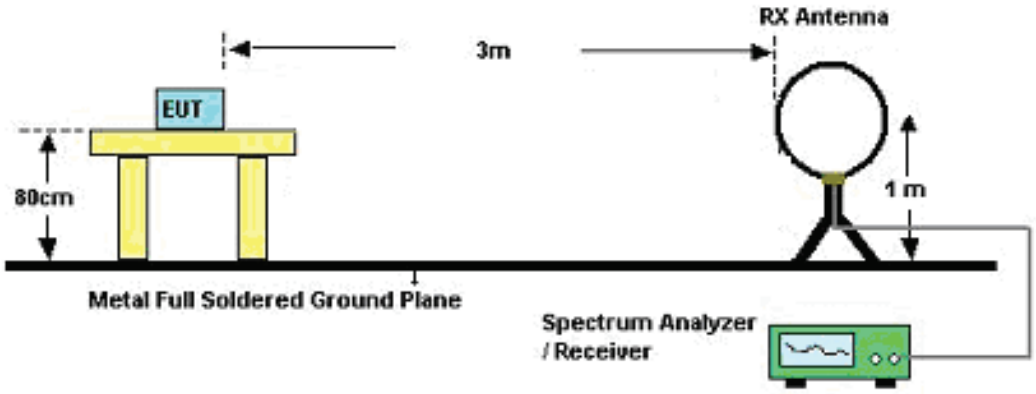
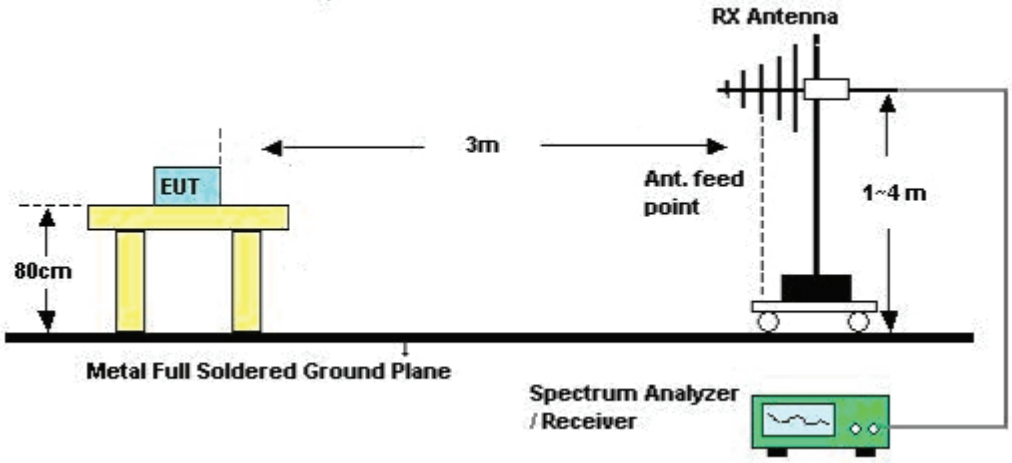
3.5.3 Test Procedures

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.

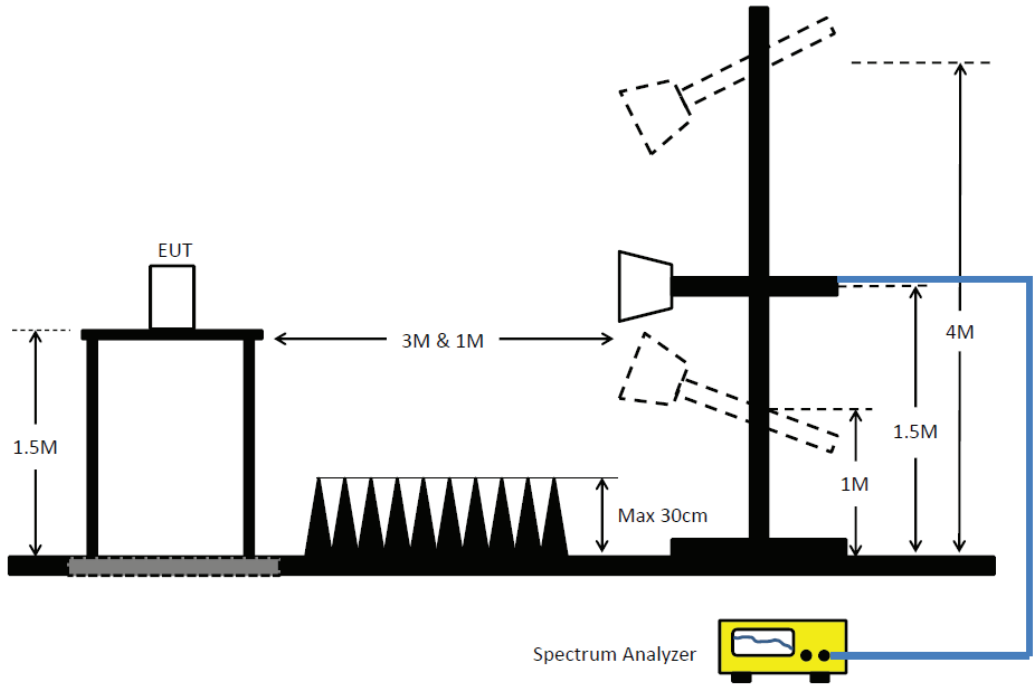
3.5.4 Measurement Results Calculation

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

3.5.5 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.5.6 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.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	08/Nov/2018	07/Nov/2019
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	17/Sep/2018	16/Sep/2019
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	23/Sep/2019	22/Sep/2020
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	11/Oct/2018	10/Oct/2019

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	13/Mar/2019	12/Mar/2020
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY39470/4	RF Cable - 29	30MHz ~18G	10/Jan/2019	09/Jan/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

Instrument for Radiated Test (03CH02-HY)

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	19/Oct/2018	18/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	17/Oct/2018	16/Oct/2019
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	02/Jul/2019	01/Jul/2020
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	23/Oct/2018	22/Oct/2019
Spectrum Analyzer	Rohde & Schwarz	FSP40	100593	9KHz - 40GHz	27/Dec/2018	26/Dec/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Mar/2019	25/Mar/2020
RF Cable-high 6m	SUHNER	SUCOFLEX104	10567868 / SN805193/4	1GHz~40GHz	09/Apr/2019	08/Apr/2020
RF Cable-high 7m	SUHNER	SUCOFLEX104	10567868 / SN805192/4	1GHz~40GHz	09/Apr/2019	08/Apr/2020
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz ~ 1GHz	08/Sep/2018	07/Sep/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	05/Feb/2019	04/Feb/2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	05/Aug/2019	04/Aug/2020
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	15/Mar/2019	14/Mar/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 01543	1GHz ~ 18GHz	03/Jun/2019	02/Jun/2020

Instrument for Radiated Test (03CH09-HY)

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz	20/Mar/2019	19/Mar/2020
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	04/Sep/2019	03/Sep/2020
Spectrum Analyzer	Rohde & Schwarz	FSP40	100593	9KHz - 40GHz	27/Dec/2018	26/Dec/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	22/May/2019	21/May/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	22/Mar/2019	21/Mar/2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	05/Aug/2019	04/Aug/2020
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	556626/4+55 2627	1GHz~40GHz	07/Jul/2019	06/Jul/2020
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	324530/4+17 173/4	1GHz~40GHz	03/Jul/2019	02/Jul/2020

Instrument for Radiated Test (03CH03-HY)

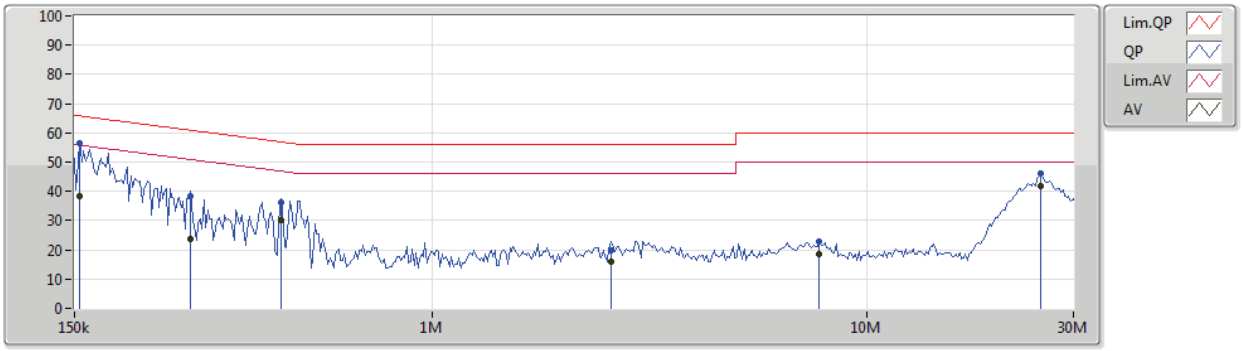
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	30/Aug/2018	29/Aug/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	30/Aug/2019	29/Aug/2020
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	31/Oct/2018	30/Oct/2019
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	22/Apr/2019	21/Apr/2020
EMC Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	28/May/2019	27/May/2020
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz ~ 26.5GHz	05/Sep/2018	04/Sep/2019
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz ~ 1GHz	08/Sep/2019	07/Sep/2020
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz ~ 1GHz	08/Sep/2018	07/Sep/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	15/Aug/2019	14/Aug/2020
Spectrum Analyzer	Rohde & Schwarz	FSP40	100593	9KHz - 40GHz	27/Dec/2018	26/Dec/2019
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	22/Mar/2019	21/Mar/2020
RF CABLE 6m	HUBER+SUHNER	SUOFLEX 104	SN 805801/4	1GHz ~ 40GHz	21/Mar/2019	20/Mar/2020
RF CABLE 5m	HUBER+SUHNER	SUOFLEX 104	SN 804300/4	1GHz ~ 40GHz	17/Jun/2019	16/Jun/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	22/Mar/2019	21/Mar/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	09/Mar/2019	08/Mar/2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	24/Aug/2018	23/Aug/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	05/Aug/2019	04/Aug/2020
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	15/Mar/2019	14/Mar/2020

Instrument for Radiated Test (Co-location)

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	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	08/Apr/2022	07/Apr/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	01/Apr/2022	31/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
SENSE-EMI	Sporton	V5.10.8.3	N/A	N/A	N/A	N/A

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode_Group 1		

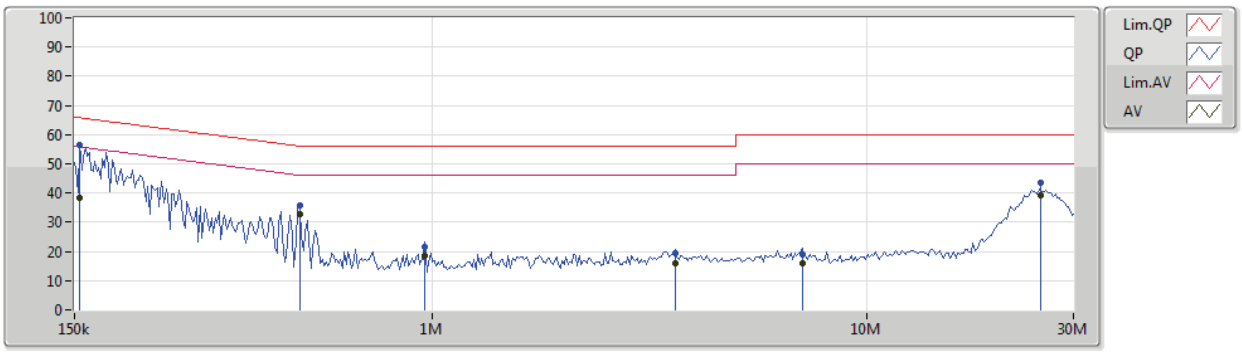
15/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.545k	56.29	65.75	-9.46	19.48	Neutral	-	36.81	9.60	0.01	9.87
AV	154.545k	38.39	55.75	-17.36	19.48	Neutral	-	18.91	9.60	0.01	9.87
QP	277.982k	38.54	60.88	-22.34	19.47	Neutral	-	19.07	9.59	0.01	9.87
AV	277.982k	23.87	50.88	-27.01	19.47	Neutral	-	4.40	9.59	0.01	9.87
QP	448.17k	36.12	56.92	-20.80	19.48	Neutral	-	16.64	9.59	0.01	9.88
AV	448.17k	30.09	46.92	-16.83	19.48	Neutral	-	10.61	9.59	0.01	9.88
QP	2.582M	19.95	56.00	-36.05	19.54	Neutral	-	0.41	9.61	0.04	9.89
AV	2.582M	16.02	46.00	-29.98	19.54	Neutral	-	-3.52	9.61	0.04	9.89
QP	7.792M	22.95	60.00	-37.05	19.60	Neutral	-	3.35	9.65	0.06	9.89
AV	7.792M	18.58	50.00	-31.42	19.60	Neutral	-	-1.02	9.65	0.06	9.89
QP	25.212M	46.18	60.00	-13.82	19.69	Neutral	-	26.49	9.67	0.12	9.90
AV	25.212M	41.84	50.00	-8.16	19.69	Neutral	"Worst"	22.15	9.67	0.12	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode_Group 1		

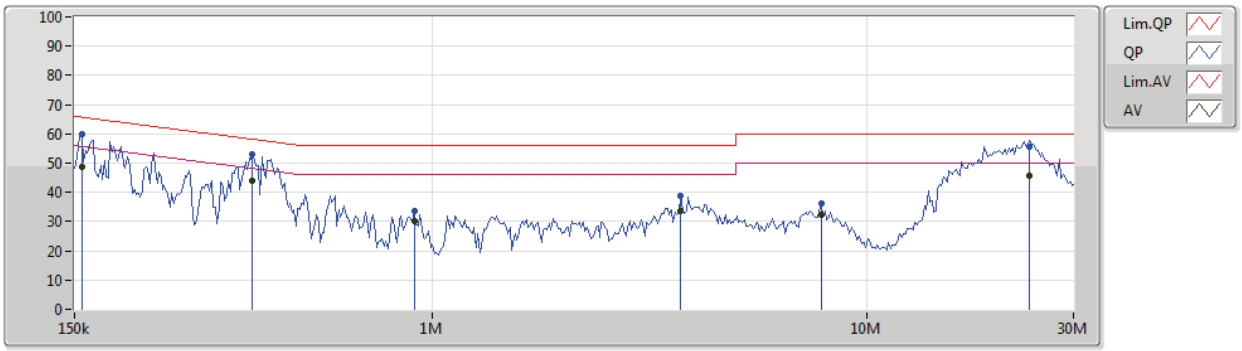
15/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.545k	56.49	65.75	-9.26	19.48	Line	"Worst"	37.01	9.60	0.01	9.87
AV	154.545k	38.53	55.75	-17.22	19.48	Line	-	19.05	9.60	0.01	9.87
QP	495.058k	35.77	56.08	-20.31	19.48	Line	-	16.29	9.59	0.01	9.88
AV	495.058k	32.57	46.08	-13.51	19.48	Line	-	13.09	9.59	0.01	9.88
QP	964.247k	21.41	56.00	-34.59	19.50	Line	-	1.91	9.60	0.02	9.88
AV	964.247k	18.41	46.00	-27.59	19.50	Line	-	-1.09	9.60	0.02	9.88
QP	3.622M	19.21	56.00	-36.79	19.56	Line	-	-0.35	9.63	0.04	9.89
AV	3.622M	15.81	46.00	-30.19	19.56	Line	-	-3.75	9.63	0.04	9.89
QP	7.125M	19.15	60.00	-40.85	19.61	Line	-	-0.46	9.66	0.06	9.89
AV	7.125M	15.98	50.00	-34.02	19.61	Line	-	-3.63	9.66	0.06	9.89
QP	25.212M	43.32	60.00	-16.68	19.59	Line	-	23.73	9.57	0.12	9.90
AV	25.212M	39.09	50.00	-10.91	19.59	Line	-	19.50	9.57	0.12	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode_Group 2		

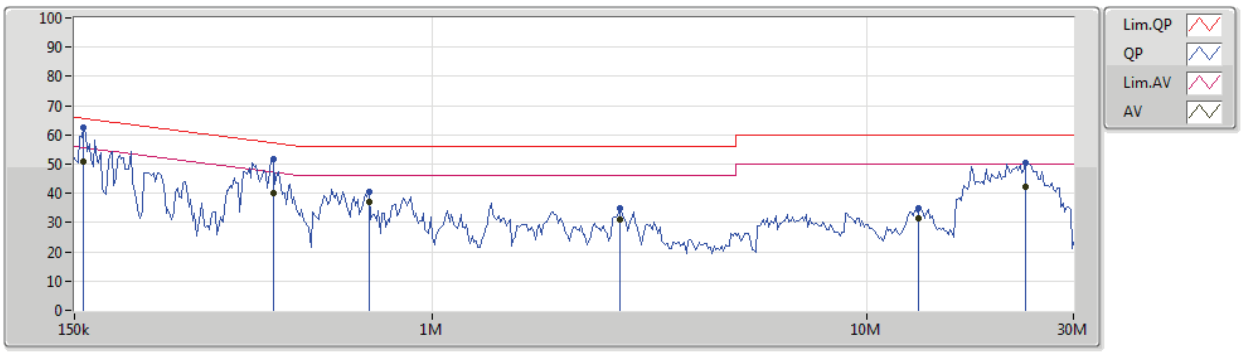
08/10/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	156.091k	60.03	65.67	-5.64	19.58	Neutral	-	40.45	9.60	0.11	9.87
AV	156.091k	48.69	55.67	-6.98	19.58	Neutral	-	29.11	9.60	0.11	9.87
QP	386.031k	53.07	58.14	-5.07	19.60	Neutral	-	33.47	9.59	0.13	9.88
AV	386.031k	43.87	48.14	-4.27	19.60	Neutral	"Worst"	24.27	9.59	0.13	9.88
QP	908.364k	33.79	56.00	-22.21	19.58	Neutral	-	14.21	9.59	0.11	9.88
AV	908.364k	30.04	46.00	-15.96	19.58	Neutral	-	10.46	9.59	0.11	9.88
QP	3.732M	38.63	56.00	-17.37	19.68	Neutral	-	18.95	9.61	0.18	9.89
AV	3.732M	33.62	46.00	-12.38	19.68	Neutral	-	13.94	9.61	0.18	9.89
QP	7.87M	36.15	60.00	-23.85	19.79	Neutral	-	16.36	9.65	0.25	9.89
AV	7.87M	32.36	50.00	-17.64	19.79	Neutral	-	12.57	9.65	0.25	9.89
QP	23.75M	55.75	60.00	-4.25	19.98	Neutral	-	35.77	9.68	0.40	9.90
AV	23.75M	45.60	50.00	-4.40	19.98	Neutral	-	25.62	9.68	0.40	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode_Group 2		

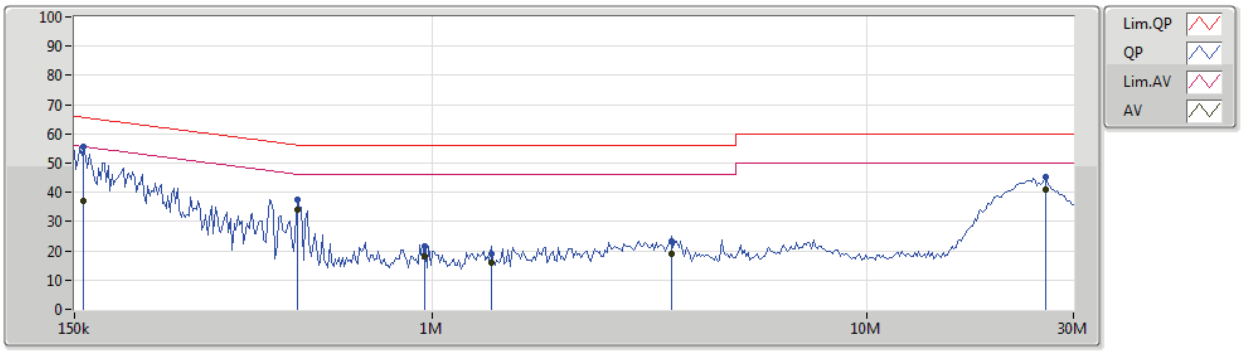
08/10/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	157.652k	62.57	65.58	-3.01	19.58	Line	"Worst"	42.99	9.60	0.11	9.87
AV	157.652k	50.72	55.58	-4.86	19.58	Line	-	31.14	9.60	0.11	9.87
QP	430.682k	51.77	57.24	-5.47	19.60	Line	-	32.17	9.59	0.13	9.88
AV	430.682k	40.13	47.24	-7.11	19.60	Line	-	20.53	9.59	0.13	9.88
QP	715.397k	40.33	56.00	-15.67	19.60	Line	-	20.73	9.60	0.12	9.88
AV	715.397k	37.03	46.00	-8.97	19.60	Line	-	17.43	9.60	0.12	9.88
QP	2.714M	34.72	56.00	-21.28	19.67	Line	-	15.05	9.62	0.16	9.89
AV	2.714M	30.95	46.00	-15.05	19.67	Line	-	11.28	9.62	0.16	9.89
QP	13.204M	35.10	60.00	-24.90	19.85	Line	-	15.25	9.65	0.30	9.90
AV	13.204M	31.67	50.00	-18.33	19.85	Line	-	11.82	9.65	0.30	9.90
QP	23.282M	50.52	60.00	-9.48	19.89	Line	-	30.63	9.60	0.39	9.90
AV	23.282M	42.37	50.00	-7.63	19.89	Line	-	22.48	9.60	0.39	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode_Group 3		

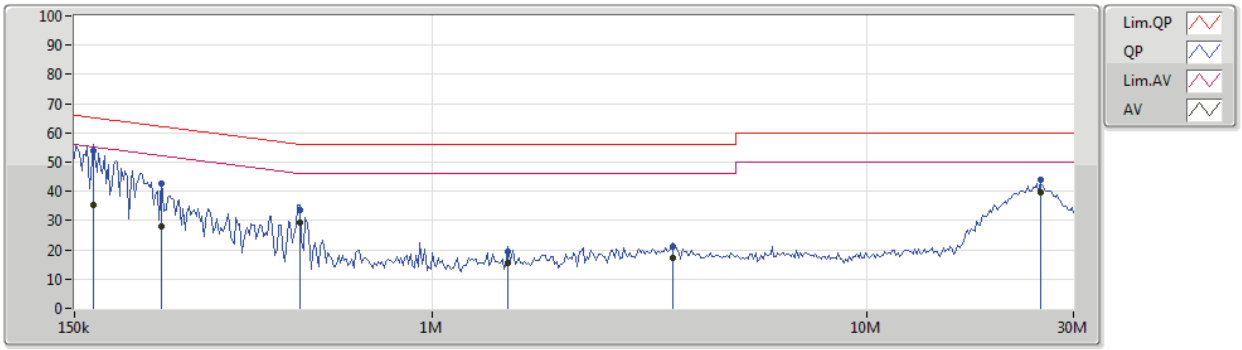
16/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	157.652k	55.68	65.58	-9.90	19.48	Neutral	-	36.20	9.60	0.01	9.87
AV	157.652k	37.27	55.58	-18.31	19.48	Neutral	-	17.79	9.60	0.01	9.87
QP	490.156k	37.71	56.17	-18.46	19.48	Neutral	-	18.23	9.59	0.01	9.88
AV	490.156k	34.22	46.17	-11.95	19.48	Neutral	-	14.74	9.59	0.01	9.88
QP	964.247k	21.51	56.00	-34.49	19.49	Neutral	-	2.02	9.59	0.02	9.88
AV	964.247k	18.28	46.00	-27.72	19.49	Neutral	-	-1.21	9.59	0.02	9.88
QP	1.366M	18.96	56.00	-37.04	19.51	Neutral	-	-0.55	9.60	0.03	9.88
AV	1.366M	15.76	46.00	-30.24	19.51	Neutral	-	-3.75	9.60	0.03	9.88
QP	3.55M	23.23	56.00	-32.77	19.54	Neutral	-	3.69	9.61	0.04	9.89
AV	3.55M	18.81	46.00	-27.19	19.54	Neutral	-	-0.73	9.61	0.04	9.89
QP	25.975M	45.43	60.00	-14.57	19.69	Neutral	-	25.74	9.67	0.12	9.90
AV	25.975M	41.15	50.00	-8.85	19.69	Neutral	"Worst"	21.46	9.67	0.12	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode_Group 3		

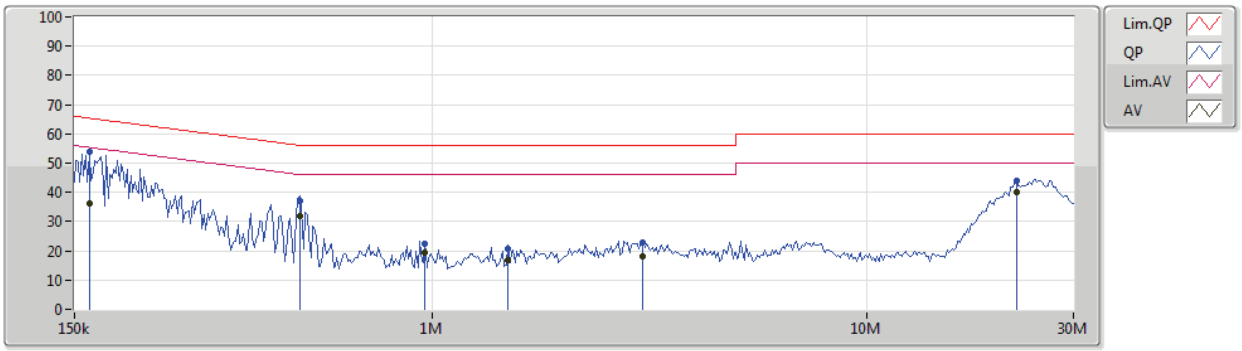
16/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	165.693k	53.95	65.18	-11.23	19.48	Line	-	34.47	9.60	0.01	9.87
AV	165.693k	35.14	55.18	-20.04	19.48	Line	-	15.66	9.60	0.01	9.87
QP	237.069k	42.67	62.20	-19.53	19.48	Line	-	23.19	9.60	0.01	9.87
AV	237.069k	28.05	52.20	-24.15	19.48	Line	-	8.57	9.60	0.01	9.87
QP	495.058k	33.66	56.08	-22.42	19.48	Line	-	14.18	9.59	0.01	9.88
AV	495.058k	29.41	46.08	-16.67	19.48	Line	-	9.93	9.59	0.01	9.88
QP	1.494M	19.33	56.00	-36.67	19.53	Line	-	-0.20	9.61	0.03	9.89
AV	1.494M	15.51	46.00	-30.49	19.53	Line	-	-4.02	9.61	0.03	9.89
QP	3.586M	20.95	56.00	-35.05	19.56	Line	-	1.39	9.63	0.04	9.89
AV	3.586M	17.29	46.00	-28.71	19.56	Line	-	-2.27	9.63	0.04	9.89
QP	25.212M	43.86	60.00	-16.14	19.59	Line	-	24.27	9.57	0.12	9.90
AV	25.212M	39.64	50.00	-10.36	19.59	Line	"Worst"	20.05	9.57	0.12	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode_Group 4		

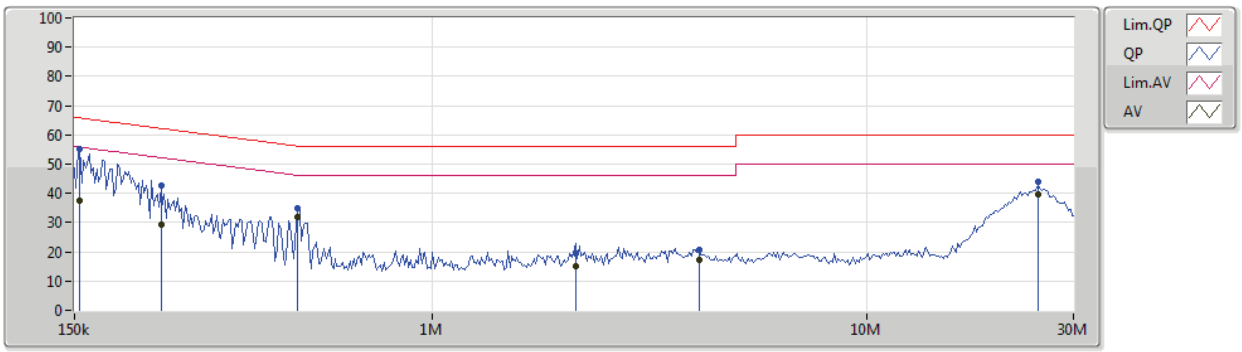
16/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	162.429k	53.77	65.33	-11.56	19.48	Neutral	-	34.29	9.60	0.01	9.87
AV	162.429k	36.39	55.33	-18.94	19.48	Neutral	-	16.91	9.60	0.01	9.87
QP	495.058k	37.22	56.08	-18.86	19.48	Neutral	-	17.74	9.59	0.01	9.88
AV	495.058k	31.71	46.08	-14.37	19.48	Neutral	-	12.23	9.59	0.01	9.88
QP	964.247k	22.43	56.00	-33.57	19.49	Neutral	-	2.94	9.59	0.02	9.88
AV	964.247k	19.25	46.00	-26.75	19.49	Neutral	-	-0.24	9.59	0.02	9.88
QP	1.494M	20.67	56.00	-35.33	19.52	Neutral	-	1.15	9.60	0.03	9.89
AV	1.494M	16.62	46.00	-29.38	19.52	Neutral	-	-2.90	9.60	0.03	9.89
QP	3.058M	22.63	56.00	-33.37	19.54	Neutral	-	3.09	9.61	0.04	9.89
AV	3.058M	18.25	46.00	-27.75	19.54	Neutral	-	-1.29	9.61	0.04	9.89
QP	22.152M	44.12	60.00	-15.88	19.69	Neutral	-	24.43	9.68	0.11	9.90
AV	22.152M	39.89	50.00	-10.11	19.69	Neutral	"Worst"	20.20	9.68	0.11	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode_Group 4		

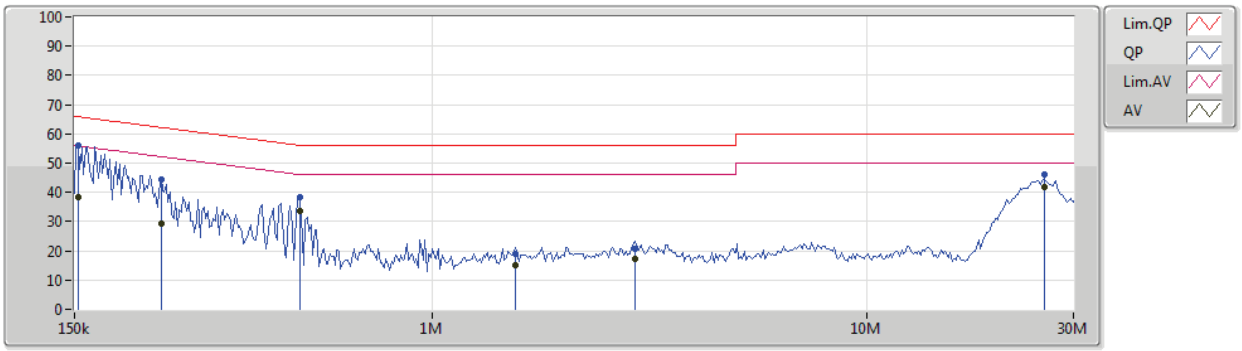
16/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.545k	55.06	65.75	-10.69	19.48	Line	-	35.58	9.60	0.01	9.87
AV	154.545k	37.36	55.75	-18.39	19.48	Line	-	17.88	9.60	0.01	9.87
QP	237.069k	42.65	62.20	-19.55	19.48	Line	-	23.17	9.60	0.01	9.87
AV	237.069k	29.46	52.20	-22.74	19.48	Line	-	9.98	9.60	0.01	9.87
QP	490.156k	34.76	56.17	-21.41	19.48	Line	-	15.28	9.59	0.01	9.88
AV	490.156k	32.07	46.17	-14.10	19.48	Line	-	12.59	9.59	0.01	9.88
QP	2.137M	19.42	56.00	-36.58	19.54	Line	-	-0.12	9.62	0.03	9.89
AV	2.137M	15.29	46.00	-30.71	19.54	Line	-	-4.25	9.62	0.03	9.89
QP	4.122M	20.52	56.00	-35.48	19.57	Line	-	0.95	9.63	0.05	9.89
AV	4.122M	17.08	46.00	-28.92	19.57	Line	-	-2.49	9.63	0.05	9.89
QP	24.962M	43.89	60.00	-16.11	19.59	Line	-	24.30	9.57	0.12	9.90
AV	24.962M	39.49	50.00	-10.51	19.59	Line	"Worst"	19.90	9.57	0.12	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode_Scanning Radio		

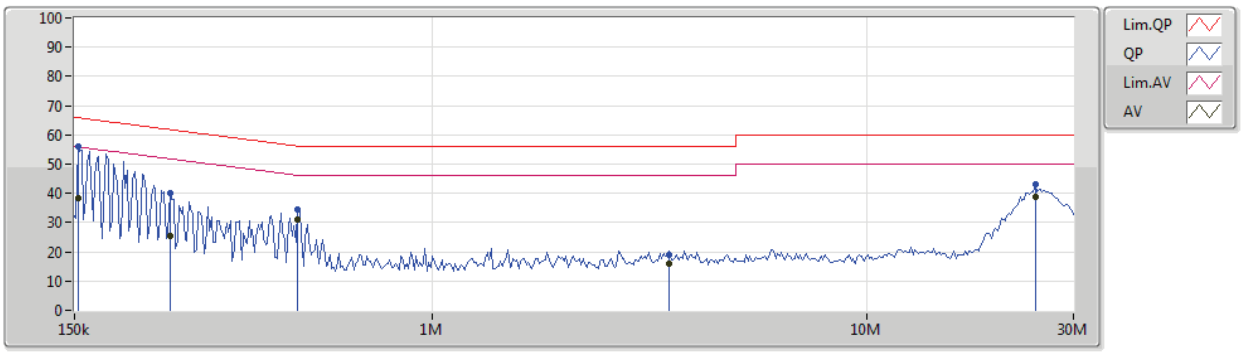
15/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	153.015k	55.99	65.83	-9.84	19.48	Neutral	-	36.51	9.60	0.01	9.87
AV	153.015k	38.36	55.83	-17.47	19.48	Neutral	-	18.88	9.60	0.01	9.87
QP	237.069k	44.30	62.20	-17.90	19.47	Neutral	-	24.83	9.59	0.01	9.87
AV	237.069k	29.13	52.20	-23.07	19.47	Neutral	-	9.66	9.59	0.01	9.87
QP	495.058k	38.43	56.08	-17.65	19.48	Neutral	-	18.95	9.59	0.01	9.88
AV	495.058k	33.80	46.08	-12.28	19.48	Neutral	-	14.32	9.59	0.01	9.88
QP	1.555M	18.85	56.00	-37.15	19.52	Neutral	-	-0.67	9.60	0.03	9.89
AV	1.555M	14.97	46.00	-31.03	19.52	Neutral	-	-4.55	9.60	0.03	9.89
QP	2.939M	20.83	56.00	-35.17	19.54	Neutral	-	1.29	9.61	0.04	9.89
AV	2.939M	17.17	46.00	-28.83	19.54	Neutral	-	-2.37	9.61	0.04	9.89
QP	25.718M	45.96	60.00	-14.04	19.69	Neutral	-	26.27	9.67	0.12	9.90
AV	25.718M	41.62	50.00	-8.38	19.69	Neutral	"Worst"	21.93	9.67	0.12	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode_Scanning Radio		

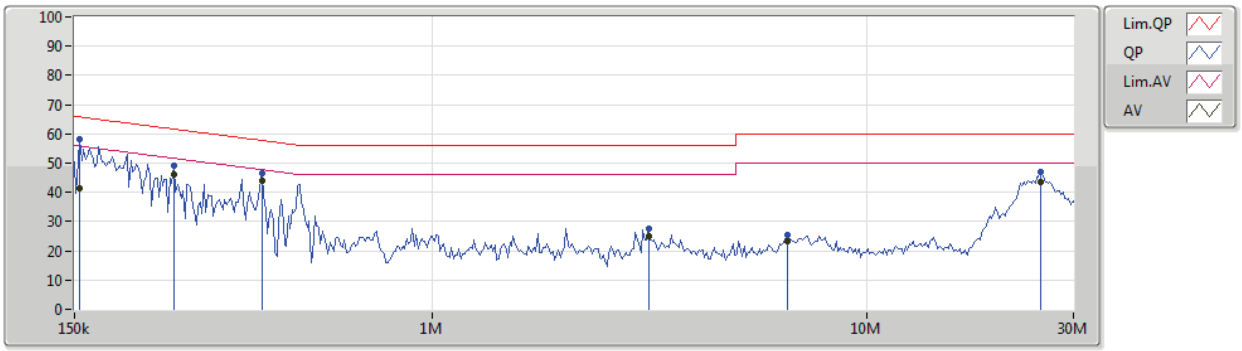
15/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	153.015k	55.88	65.83	-9.95	19.48	Line	"Worst"	36.40	9.60	0.01	9.87
AV	153.015k	38.32	55.83	-17.51	19.48	Line	-	18.84	9.60	0.01	9.87
QP	249.162k	40.21	61.79	-21.58	19.48	Line	-	20.73	9.60	0.01	9.87
AV	249.162k	25.54	51.79	-26.25	19.48	Line	-	6.06	9.60	0.01	9.87
QP	490.156k	34.43	56.17	-21.74	19.48	Line	-	14.95	9.59	0.01	9.88
AV	490.156k	30.97	46.17	-15.20	19.48	Line	-	11.49	9.59	0.01	9.88
QP	3.515M	19.09	56.00	-36.91	19.56	Line	-	-0.47	9.63	0.04	9.89
AV	3.515M	15.88	46.00	-30.12	19.56	Line	-	-3.68	9.63	0.04	9.89
QP	3.515M	19.09	56.00	-36.91	19.56	Line	-	-0.47	9.63	0.04	9.89
AV	3.515M	15.90	46.00	-30.10	19.56	Line	-	-3.66	9.63	0.04	9.89
QP	24.47M	43.02	60.00	-16.98	19.60	Line	-	23.42	9.58	0.12	9.90
AV	24.47M	38.80	50.00	-11.20	19.60	Line	-	19.20	9.58	0.12	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode_Group 1 (BF)		

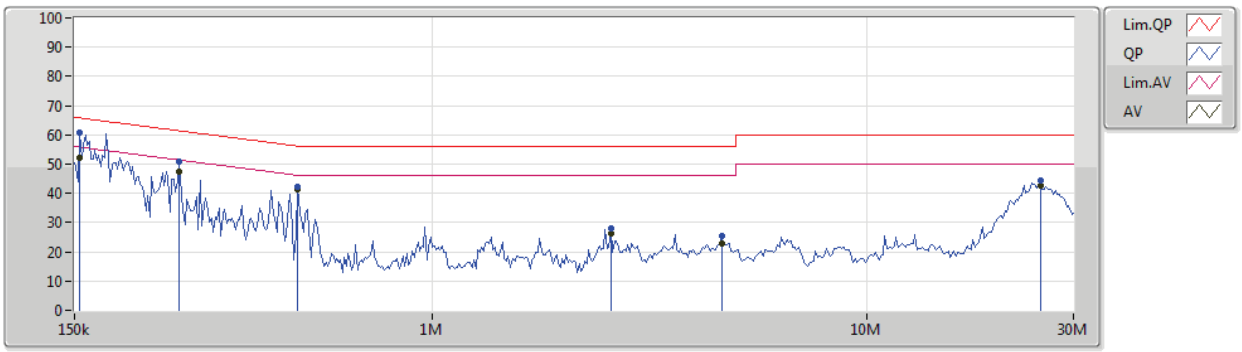
08/10/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.557k	58.15	65.75	-7.60	19.58	Neutral	-	38.57	9.60	0.11	9.87
AV	154.557k	41.20	55.75	-14.55	19.58	Neutral	-	21.62	9.60	0.11	9.87
QP	254.17k	49.04	61.62	-12.58	19.58	Neutral	-	29.46	9.59	0.12	9.87
AV	254.17k	46.16	51.62	-5.46	19.58	Neutral	-	26.58	9.59	0.12	9.87
QP	405.722k	46.67	57.74	-11.07	19.60	Neutral	-	27.07	9.59	0.13	9.88
AV	405.722k	44.04	47.74	-3.70	19.60	Neutral	"Worst"	24.44	9.59	0.13	9.88
QP	3.151M	27.41	56.00	-28.59	19.67	Neutral	-	7.74	9.61	0.17	9.89
AV	3.151M	25.04	46.00	-20.96	19.67	Neutral	-	5.37	9.61	0.17	9.89
QP	6.58M	25.36	60.00	-34.64	19.76	Neutral	-	5.60	9.64	0.23	9.89
AV	6.58M	23.42	50.00	-26.58	19.76	Neutral	-	3.66	9.64	0.23	9.89
QP	25.212M	46.95	60.00	-13.05	19.98	Neutral	-	26.97	9.67	0.41	9.90
AV	25.212M	43.39	50.00	-6.61	19.98	Neutral	-	23.41	9.67	0.41	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode_Group 1 (BF)		

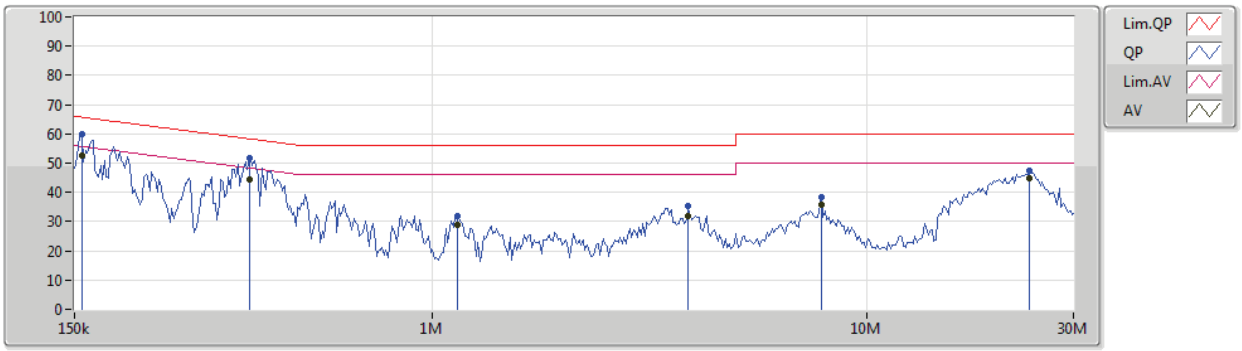
08/10/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.545k	60.80	65.75	-4.95	19.58	Line	-	41.22	9.60	0.11	9.87
AV	154.545k	52.05	55.75	-3.70	19.58	Line	"Worst"	32.47	9.60	0.11	9.87
QP	261.871k	50.86	61.37	-10.51	19.59	Line	-	31.27	9.60	0.12	9.87
AV	261.871k	47.37	51.37	-4.00	19.59	Line	-	27.78	9.60	0.12	9.87
QP	490.156k	42.28	56.17	-13.89	19.60	Line	-	22.68	9.59	0.13	9.88
AV	490.156k	41.37	46.17	-4.80	19.60	Line	-	21.77	9.59	0.13	9.88
QP	2.582M	27.97	56.00	-28.03	19.66	Line	-	8.31	9.62	0.15	9.89
AV	2.582M	26.18	46.00	-19.82	19.66	Line	-	6.52	9.62	0.15	9.89
QP	4.645M	25.59	56.00	-30.41	19.72	Line	-	5.87	9.64	0.19	9.89
AV	4.645M	22.89	46.00	-23.11	19.72	Line	-	3.17	9.64	0.19	9.89
QP	25.212M	44.22	60.00	-15.78	19.88	Line	-	24.34	9.57	0.41	9.90
AV	25.212M	42.52	50.00	-7.48	19.88	Line	-	22.64	9.57	0.41	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode_Group 2 (BF)		

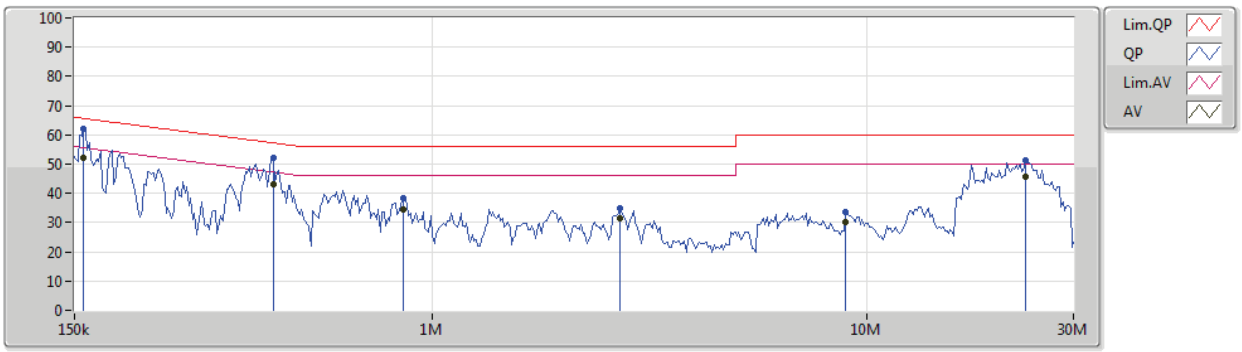
08/10/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	156.091k	60.03	65.67	-5.64	19.58	Neutral	-	40.45	9.60	0.11	9.87
AV	156.091k	52.42	55.67	-3.25	19.58	Neutral	"Worst"	32.84	9.60	0.11	9.87
QP	378.424k	51.53	58.31	-6.78	19.60	Neutral	-	31.93	9.59	0.13	9.88
AV	378.424k	44.23	48.31	-4.08	19.60	Neutral	-	24.63	9.59	0.13	9.88
QP	1.142M	31.83	56.00	-24.17	19.59	Neutral	-	12.24	9.59	0.12	9.88
AV	1.142M	28.72	46.00	-17.28	19.59	Neutral	-	9.13	9.59	0.12	9.88
QP	3.883M	35.14	56.00	-20.86	19.68	Neutral	-	15.46	9.61	0.18	9.89
AV	3.883M	32.11	46.00	-13.89	19.68	Neutral	-	12.43	9.61	0.18	9.89
QP	7.87M	38.25	60.00	-21.75	19.79	Neutral	-	18.46	9.65	0.25	9.89
AV	7.87M	35.96	50.00	-14.04	19.79	Neutral	-	16.17	9.65	0.25	9.89
QP	23.75M	47.55	60.00	-12.45	19.98	Neutral	-	27.57	9.68	0.40	9.90
AV	23.75M	44.63	50.00	-5.37	19.98	Neutral	-	24.65	9.68	0.40	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode_Group 2 (BF)		

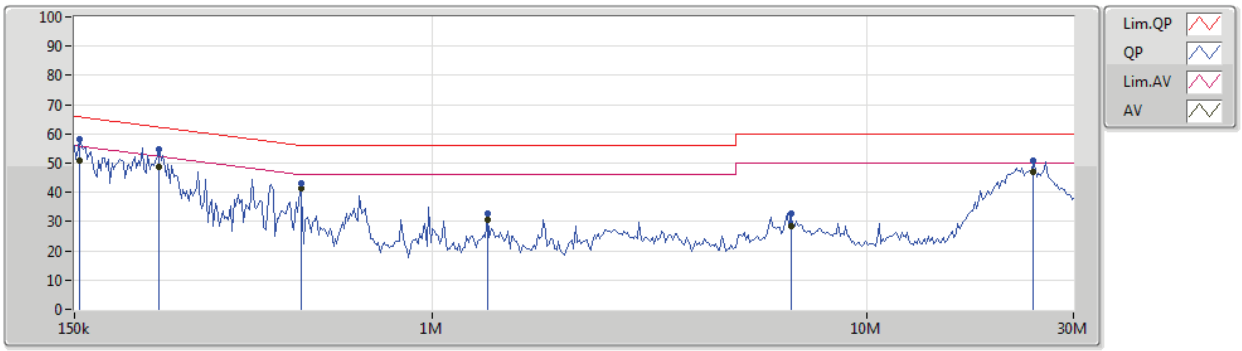
08/10/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	157.652k	61.97	65.58	-3.61	19.58	Line	-	42.39	9.60	0.11	9.87
AV	157.652k	52.14	55.58	-3.44	19.58	Line	"Worst"	32.56	9.60	0.11	9.87
QP	430.682k	52.17	57.24	-5.07	19.60	Line	-	32.57	9.59	0.13	9.88
AV	430.682k	43.26	47.24	-3.98	19.60	Line	-	23.66	9.59	0.13	9.88
QP	855.72k	38.34	56.00	-17.66	19.59	Line	-	18.75	9.60	0.11	9.88
AV	855.72k	34.32	46.00	-11.68	19.59	Line	-	14.73	9.60	0.11	9.88
QP	2.714M	35.12	56.00	-20.88	19.67	Line	-	15.45	9.62	0.16	9.89
AV	2.714M	31.58	46.00	-14.42	19.67	Line	-	11.91	9.62	0.16	9.89
QP	8.957M	33.56	60.00	-26.44	19.82	Line	-	13.74	9.67	0.26	9.89
AV	8.957M	30.18	50.00	-19.82	19.82	Line	-	10.36	9.67	0.26	9.89
QP	23.282M	51.32	60.00	-8.68	19.89	Line	-	31.43	9.60	0.39	9.90
AV	23.282M	45.69	50.00	-4.31	19.89	Line	-	25.80	9.60	0.39	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode_Group 3 (BF)		

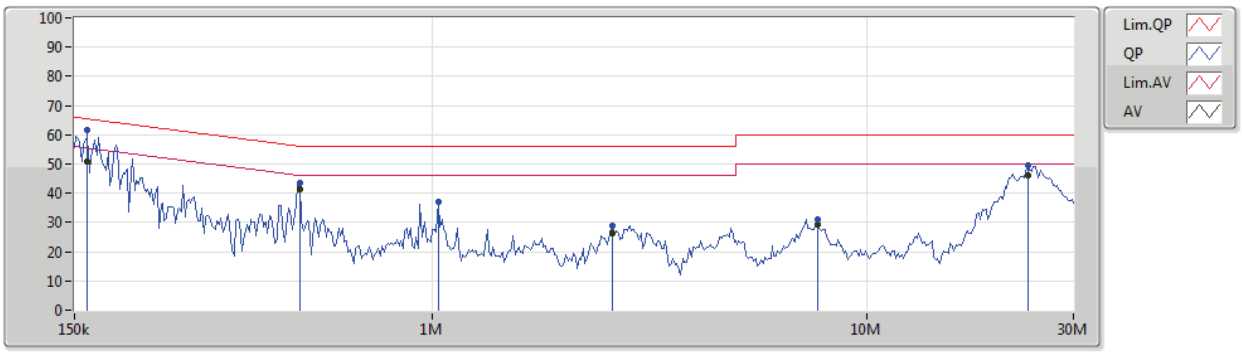
08/10/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.545k	58.34	65.75	-7.41	19.58	Neutral	-	38.76	9.60	0.11	9.87
AV	154.545k	50.90	55.75	-4.85	19.58	Neutral	-	31.32	9.60	0.11	9.87
QP	234.722k	54.81	62.27	-7.46	19.57	Neutral	-	35.24	9.59	0.11	9.87
AV	234.722k	48.74	52.27	-3.53	19.57	Neutral	"Worst"	29.17	9.59	0.11	9.87
QP	500k	43.24	56.00	-12.76	19.60	Neutral	-	23.64	9.59	0.13	9.88
AV	500k	41.20	46.00	-4.80	19.60	Neutral	-	21.60	9.59	0.13	9.88
QP	1.339M	32.95	56.00	-23.05	19.60	Neutral	-	13.35	9.60	0.12	9.88
AV	1.339M	30.59	46.00	-15.41	19.60	Neutral	-	10.99	9.60	0.12	9.88
QP	6.712M	32.75	60.00	-27.25	19.76	Neutral	-	12.99	9.64	0.23	9.89
AV	6.712M	28.32	50.00	-21.68	19.76	Neutral	-	8.56	9.64	0.23	9.89
QP	24.228M	50.66	60.00	-9.34	19.98	Neutral	-	30.68	9.68	0.40	9.90
AV	24.228M	47.16	50.00	-2.84	19.98	Neutral	-	27.18	9.68	0.40	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode_Group 3 (BF)		

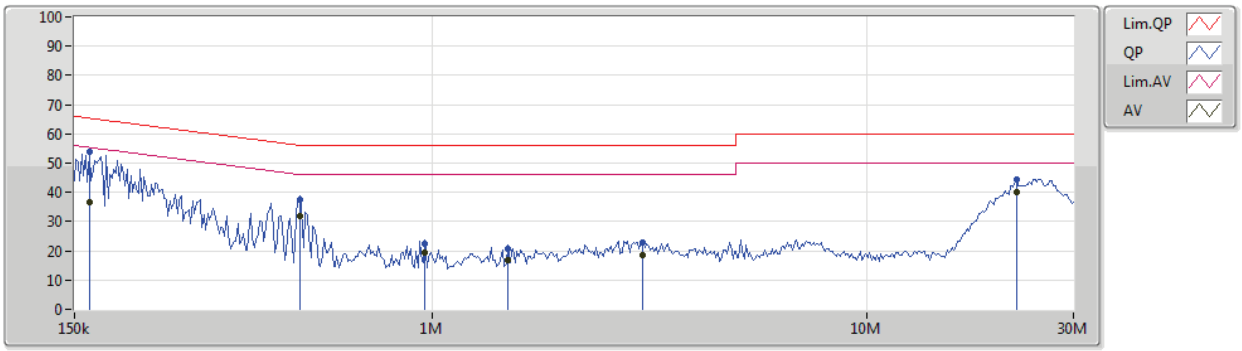
08/10/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	160.82k	61.76	65.43	-3.67	19.58	Line	"Worst"	42.18	9.60	0.11	9.87
AV	160.82k	50.84	55.43	-4.59	19.58	Line	-	31.26	9.60	0.11	9.87
QP	495.058k	43.39	56.08	-12.69	19.60	Line	-	23.79	9.59	0.13	9.88
AV	495.058k	41.43	46.08	-4.65	19.60	Line	-	21.83	9.59	0.13	9.88
QP	1.034M	37.02	56.00	-18.98	19.59	Line	-	17.43	9.60	0.11	9.88
QP	2.608M	28.74	56.00	-27.26	19.67	Line	-	9.07	9.62	0.16	9.89
AV	2.608M	26.10	46.00	-19.90	19.67	Line	-	6.43	9.62	0.16	9.89
QP	7.715M	30.95	60.00	-29.05	19.79	Line	-	11.16	9.66	0.24	9.89
AV	7.715M	29.42	50.00	-20.58	19.79	Line	-	9.63	9.66	0.24	9.89
QP	23.515M	49.55	60.00	-10.45	19.89	Line	-	29.66	9.59	0.40	9.90
AV	23.515M	46.24	50.00	-3.76	19.89	Line	-	26.35	9.59	0.40	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode_Group 4 (BF)		

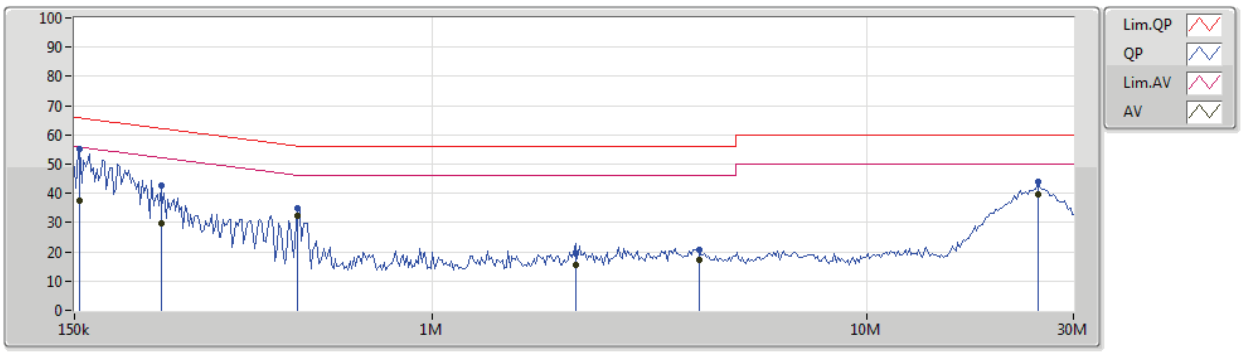
08/10/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	162.429k	53.87	65.33	-11.46	19.58	Neutral	-	34.29	9.60	0.11	9.87
AV	162.429k	36.49	55.33	-18.84	19.58	Neutral	-	16.91	9.60	0.11	9.87
QP	495.058k	37.34	56.08	-18.74	19.60	Neutral	-	17.74	9.59	0.13	9.88
AV	495.058k	31.83	46.08	-14.25	19.60	Neutral	-	12.23	9.59	0.13	9.88
QP	964.247k	22.52	56.00	-33.48	19.58	Neutral	-	2.94	9.59	0.11	9.88
AV	964.247k	19.34	46.00	-26.66	19.58	Neutral	-	-0.24	9.59	0.11	9.88
QP	1.494M	20.77	56.00	-35.23	19.62	Neutral	-	1.15	9.60	0.13	9.89
AV	1.494M	16.72	46.00	-29.28	19.62	Neutral	-	-2.90	9.60	0.13	9.89
QP	3.058M	22.75	56.00	-33.25	19.66	Neutral	-	3.09	9.61	0.16	9.89
AV	3.058M	18.37	46.00	-27.63	19.66	Neutral	-	-1.29	9.61	0.16	9.89
QP	22.152M	44.39	60.00	-15.61	19.96	Neutral	-	24.43	9.68	0.38	9.90
AV	22.152M	40.16	50.00	-9.84	19.96	Neutral	"Worst"	20.20	9.68	0.38	9.90

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode_Group 4 (BF)		

08/10/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.545k	55.16	65.75	-10.59	19.58	Line	-	35.58	9.60	0.11	9.87
AV	154.545k	37.46	55.75	-18.29	19.58	Line	-	17.88	9.60	0.11	9.87
QP	237.069k	42.75	62.20	-19.45	19.58	Line	-	23.17	9.60	0.11	9.87
AV	237.069k	29.56	52.20	-22.64	19.58	Line	-	9.98	9.60	0.11	9.87
QP	490.156k	34.88	56.17	-21.29	19.60	Line	-	15.28	9.59	0.13	9.88
AV	490.156k	32.19	46.17	-13.98	19.60	Line	-	12.59	9.59	0.13	9.88
QP	2.137M	19.53	56.00	-36.47	19.65	Line	-	-0.12	9.62	0.14	9.89
AV	2.137M	15.40	46.00	-30.60	19.65	Line	-	-4.25	9.62	0.14	9.89
QP	4.122M	20.65	56.00	-35.35	19.70	Line	-	0.95	9.63	0.18	9.89
AV	4.122M	17.21	46.00	-28.79	19.70	Line	-	-2.49	9.63	0.18	9.89
QP	24.962M	44.18	60.00	-15.82	19.88	Line	-	24.30	9.57	0.41	9.90
AV	24.962M	39.78	50.00	-10.22	19.88	Line	"Worst"	19.90	9.57	0.41	9.90

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	39.18M	19.82M	19M8D1D	19.86M	16.372M
802.11a_Nss1,(6Mbps)_2TX	25.23M	16.522M	16M5D1D	19.2M	16.402M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	40.8M	19.25M	19M2D1D	20.7M	17.601M
802.11ac VHT20_Nss1,(MCS0)_2TX	26.97M	17.691M	17M7D1D	20.67M	17.571M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	63.9M	36.282M	36M3D1D	40.38M	36.102M
802.11ac VHT40_Nss1,(MCS0)_2TX	42M	36.102M	36M1D1D	40.32M	36.042M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	82.44M	75.442M	75M4D1D	82.44M	75.442M
802.11ac VHT80_Nss1,(MCS0)_2TX	112.68M	75.802M	75M8D1D	83.16M	75.682M
802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)	41.37M	19.88M	19M9D1D	21.33M	18.951M
802.11ax HEW20_Nss1,(MCS0)_2TX	27.9M	18.981M	19M0D1D	21.36M	18.891M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)	71.34M	37.961M	38M0D1D	41.52M	37.721M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.34M	37.721M	37M7D1D	40.98M	37.601M
802.11ax HEW80_Nss1,(MCS0)_1TX(Port1)	82.44M	77.241M	77M2D1D	82.44M	77.241M
802.11ax HEW80_Nss1,(MCS0)_2TX	84.72M	77.241M	77M2D1D	83.16M	77.241M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	16.26M	30.255M	30M3D1D	15.6M	28.276M
802.11a_Nss1,(6Mbps)_2TX	16.29M	29.835M	29M8D1D	15.51M	20.39M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	17.55M	33.013M	33M0D1D	17.52M	28.366M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.55M	20.84M	20M8D1D	16.35M	17.631M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	36.3M	44.258M	44M3D1D	35.58M	41.319M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.3M	36.162M	36M2D1D	35.7M	36.102M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	75.48M	75.562M	75M6D1D	75.48M	75.562M
802.11ac VHT80_Nss1,(MCS0)_2TX	74.4M	80.24M	80M2D1D	73.8M	76.282M
802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)	18.81M	33.133M	33M1D1D	18.66M	27.646M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.87M	19.73M	19M7D1D	18.21M	18.951M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)	37.98M	46.717M	46M7D1D	36.78M	43.778M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.86M	37.781M	37M8D1D	37.5M	37.721M
802.11ax HEW80_Nss1,(MCS0)_1TX(Port1)	77.88M	77.241M	77M2D1D	77.88M	77.241M
802.11ax HEW80_Nss1,(MCS0)_2TX	78M	83.838M	83M8D1D	77.52M	77.841M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-
5180MHz	Pass	Inf	19.86M	16.372M		
5200MHz	Pass	Inf	39.18M	19.13M		
5240MHz	Pass	Inf	39.03M	19.82M		
5745MHz	Pass	500k	15.6M	28.276M		
5785MHz	Pass	500k	16.26M	29.145M		
5825MHz	Pass	500k	16.26M	30.255M		
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.2M	16.402M	19.26M	16.402M
5200MHz	Pass	Inf	22.5M	16.432M	20.85M	16.462M
5240MHz	Pass	Inf	25.23M	16.522M	24.12M	16.492M
5745MHz	Pass	500k	16.29M	23.418M	16.29M	20.39M
5785MHz	Pass	500k	15.51M	28.276M	16.29M	23.778M
5825MHz	Pass	500k	15.69M	29.835M	16.29M	29.025M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
5180MHz	Pass	Inf	20.7M	17.601M		
5200MHz	Pass	Inf	36.9M	17.931M		
5240MHz	Pass	Inf	40.8M	19.25M		
5745MHz	Pass	500k	17.52M	28.366M		
5785MHz	Pass	500k	17.52M	28.396M		
5825MHz	Pass	500k	17.55M	33.013M		
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.85M	17.601M	20.67M	17.571M
5200MHz	Pass	Inf	22.5M	17.631M	21.66M	17.571M
5240MHz	Pass	Inf	26.97M	17.691M	25.92M	17.691M
5745MHz	Pass	500k	17.28M	17.661M	17.22M	17.631M
5785MHz	Pass	500k	16.35M	20.84M	17.55M	17.871M
5825MHz	Pass	500k	17.22M	17.811M	17.28M	17.721M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
5190MHz	Pass	Inf	40.38M	36.102M		
5230MHz	Pass	Inf	63.9M	36.282M		
5755MHz	Pass	500k	35.58M	44.258M		
5795MHz	Pass	500k	36.3M	41.319M		
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.32M	36.042M	40.56M	36.042M
5230MHz	Pass	Inf	42M	36.102M	41.34M	36.102M
5755MHz	Pass	500k	35.7M	36.102M	36.3M	36.102M
5795MHz	Pass	500k	36.06M	36.162M	36.06M	36.162M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
5210MHz	Pass	Inf	82.44M	75.442M		
5775MHz	Pass	500k	75.48M	75.562M		
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	112.68M	75.802M	83.16M	75.682M
5775MHz	Pass	500k	73.8M	80.24M	74.4M	76.282M

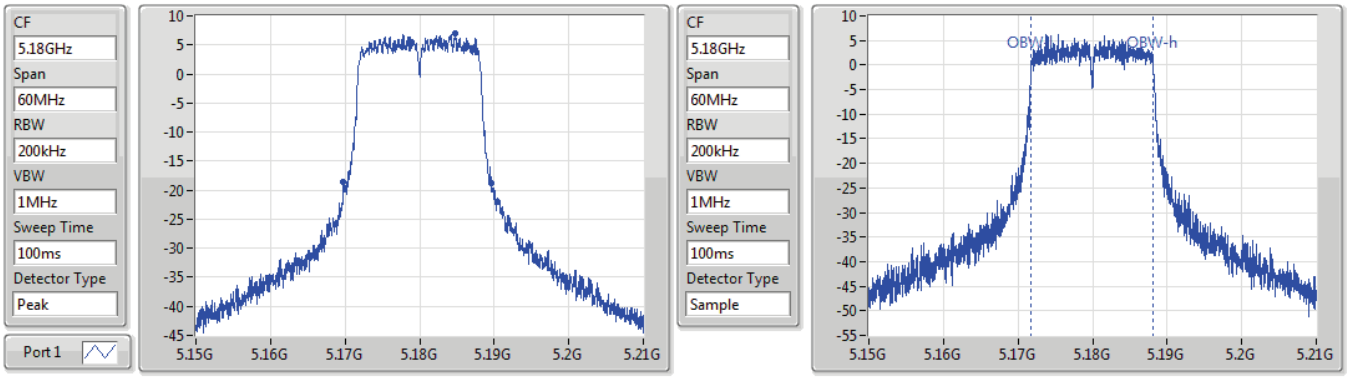
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
5180MHz	Pass	Inf	21.33M	18.951M		
5200MHz	Pass	Inf	38.46M	19.19M		
5240MHz	Pass	Inf	41.37M	19.88M		
5745MHz	Pass	500k	18.75M	27.646M		
5785MHz	Pass	500k	18.81M	29.145M		
5825MHz	Pass	500k	18.66M	33.133M		
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.39M	18.921M	21.36M	18.921M
5200MHz	Pass	Inf	22.23M	18.921M	21.6M	18.891M
5240MHz	Pass	Inf	27.9M	18.981M	21.78M	18.981M
5745MHz	Pass	500k	18.87M	18.981M	18.75M	18.951M
5785MHz	Pass	500k	18.84M	19.73M	18.21M	19.16M
5825MHz	Pass	500k	18.72M	19.07M	18.75M	19.04M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
5190MHz	Pass	Inf	41.52M	37.721M		
5230MHz	Pass	Inf	71.34M	37.961M		
5755MHz	Pass	500k	37.98M	46.717M		
5795MHz	Pass	500k	36.78M	43.778M		
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.34M	37.721M	40.98M	37.661M
5230MHz	Pass	Inf	41.16M	37.601M	41.22M	37.661M
5755MHz	Pass	500k	37.86M	37.781M	37.5M	37.721M
5795MHz	Pass	500k	37.8M	37.781M	37.62M	37.781M
802.11ax HEW80_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
5210MHz	Pass	Inf	82.44M	77.241M		
5775MHz	Pass	500k	77.88M	77.241M		
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.16M	77.241M	84.72M	77.241M
5775MHz	Pass	500k	78M	83.838M	77.52M	77.841M

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)_1TX(Port1) EBW

5180MHz

22/08/2019

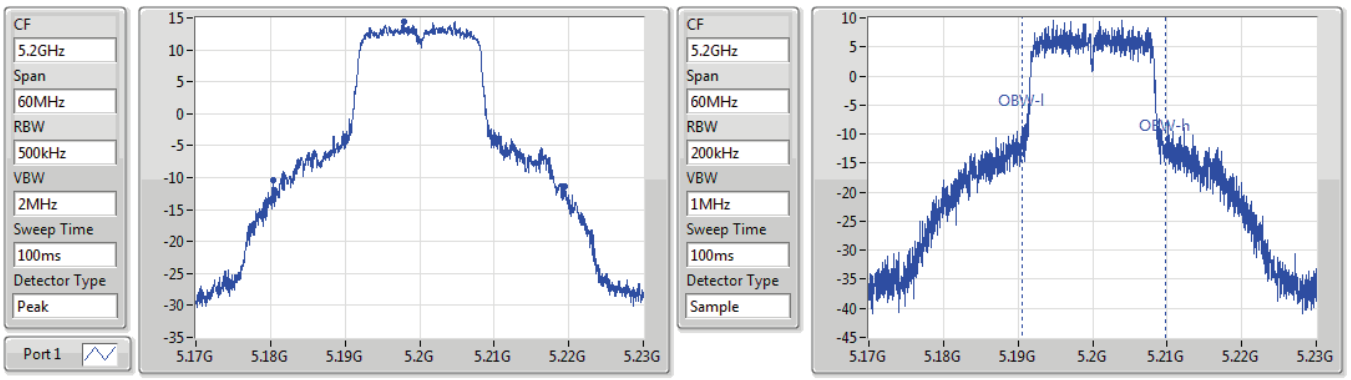


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.86M	5.16977G	5.18963G	16.372M	5.171754G	5.188126G	Inf	1

802.11a_Nss1,(6Mbps)_1TX(Port1) EBW

5200MHz

22/08/2019

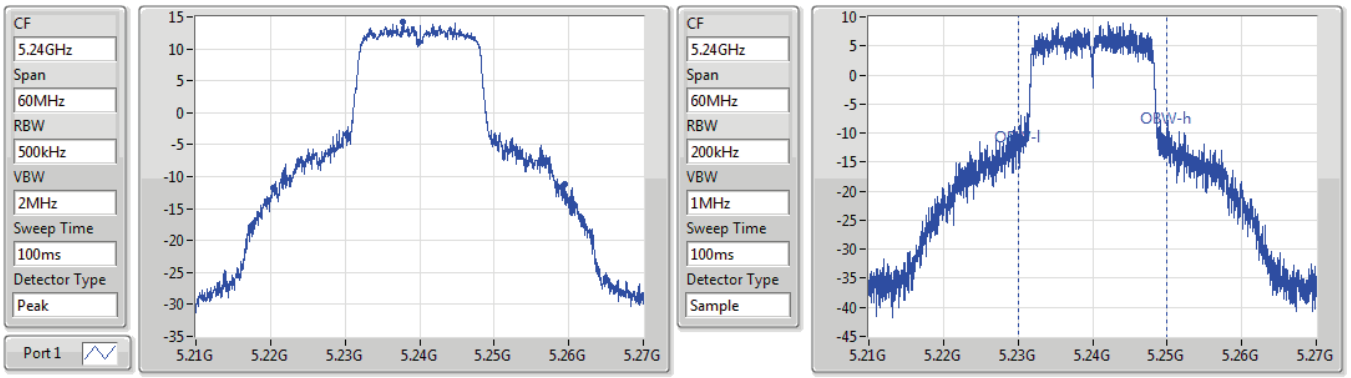


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.18M	5.18029G	5.21947G	19.13M	5.190585G	5.209715G	Inf	1

802.11a_Nss1,(6Mbps)_1TX(Port1) EBW

5240MHz

22/08/2019

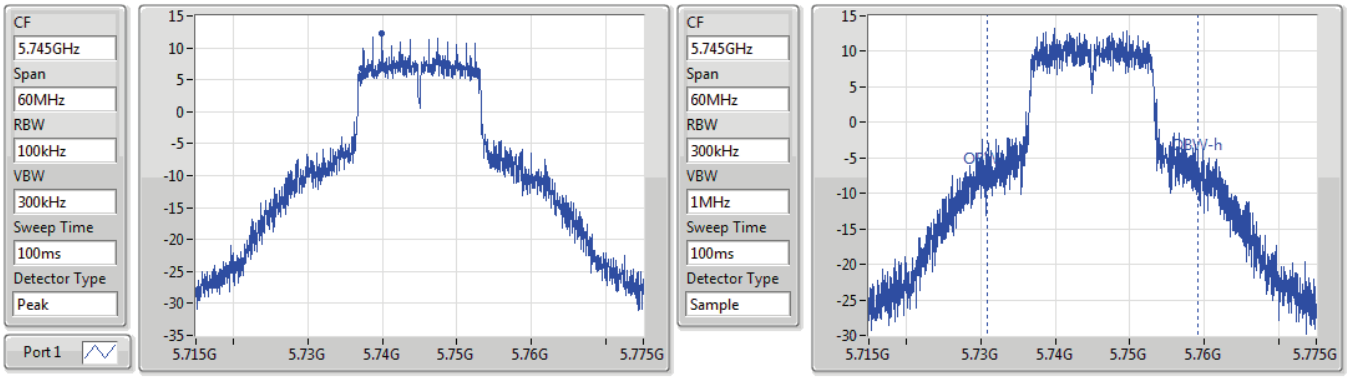


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.03M	5.22038G	5.25941G	19.82M	5.230075G	5.249895G	Inf	1

802.11a_Nss1,(6Mbps)_1TX(Port1) EBW

5745MHz

14/08/2019

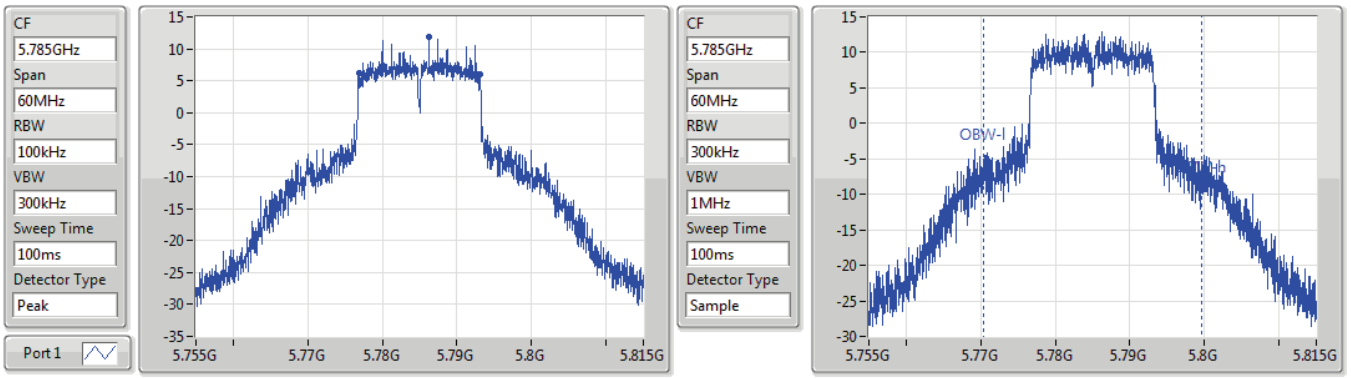


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.6M	5.73723G	5.75283G	28.276M	5.730817G	5.759093G	500k	1

802.11a_Nss1,(6Mbps)_1TX(Port1) EBW

5785MHz

14/08/2019

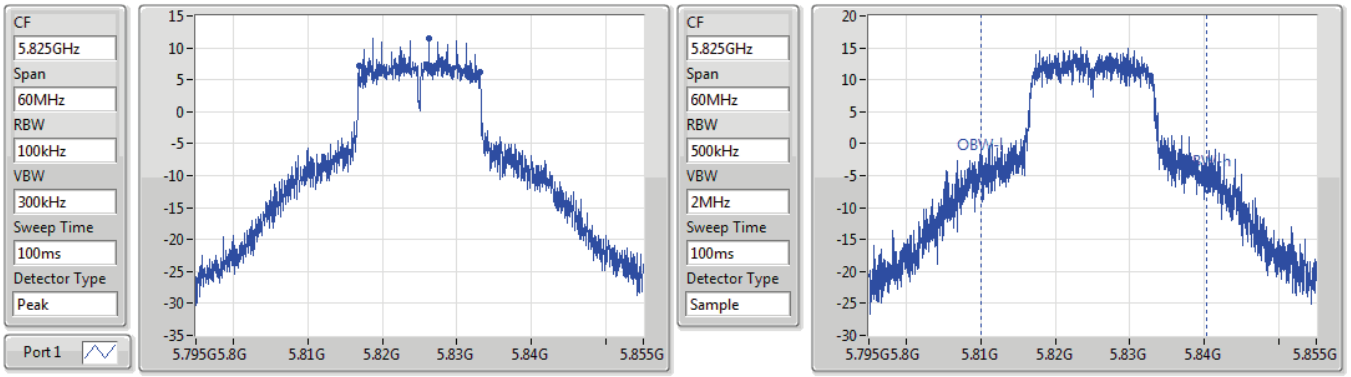


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.26M	5.77684G	5.7931G	29.145M	5.770427G	5.799573G	500k	1

802.11a_Nss1,(6Mbps)_1TX(Port1) EBW

5825MHz

14/08/2019

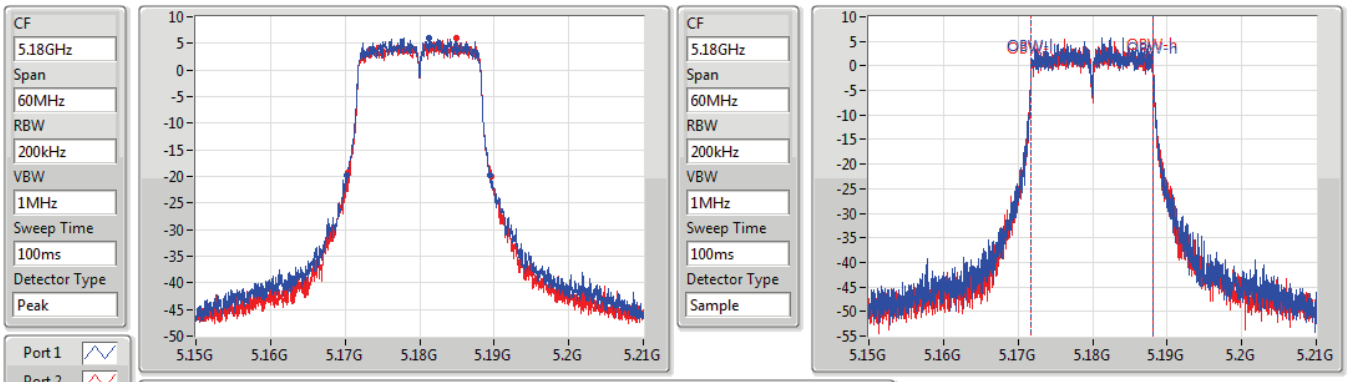


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.26M	5.81684G	5.8331G	30.255M	5.810067G	5.840322G	500k	1

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

22/08/2019

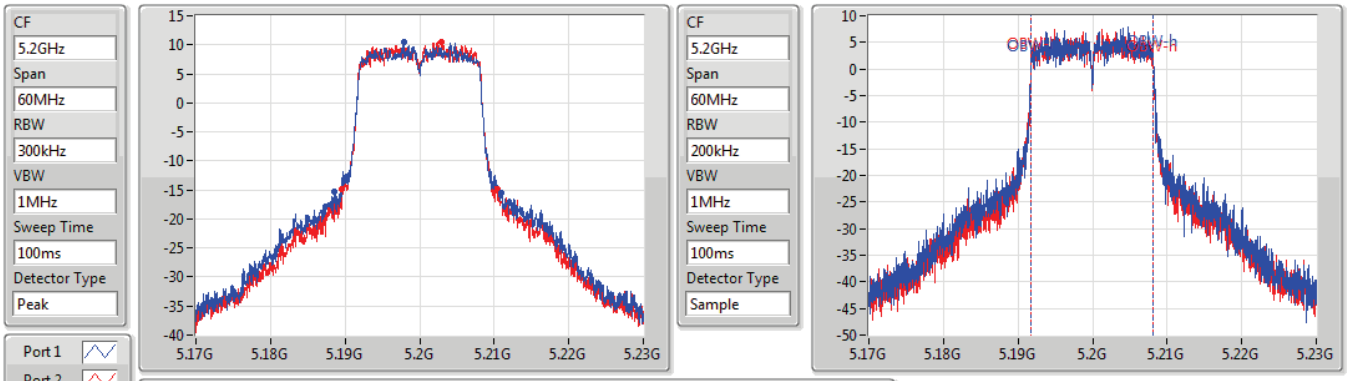


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.2M	5.17028G	5.18948G	16.402M	5.171754G	5.188156G	Inf	1
19.26M	5.17037G	5.18963G	16.402M	5.171754G	5.188156G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

22/08/2019

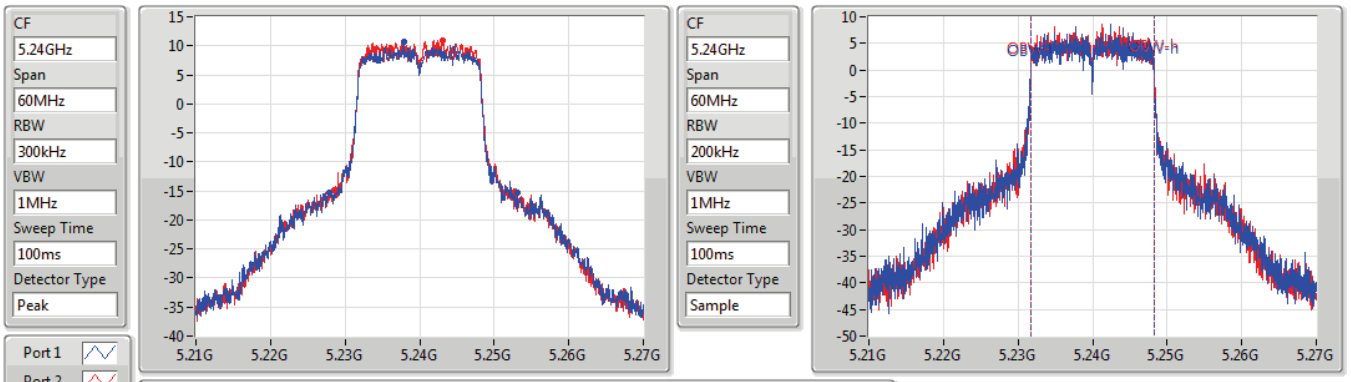


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.5M	5.18848G	5.21098G	16.432M	5.191754G	5.208186G	Inf	1
20.85M	5.18962G	5.21047G	16.462M	5.191724G	5.208186G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

22/08/2019

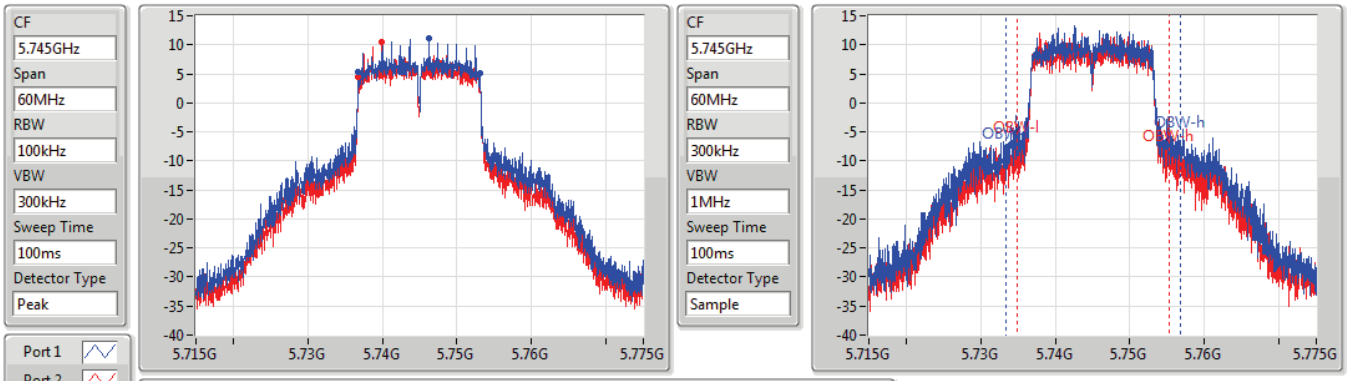


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.23M	5.22782G	5.25305G	16.522M	5.231694G	5.248216G	Inf	1
24.12M	5.2286G	5.25272G	16.492M	5.231724G	5.248216G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

14/08/2019

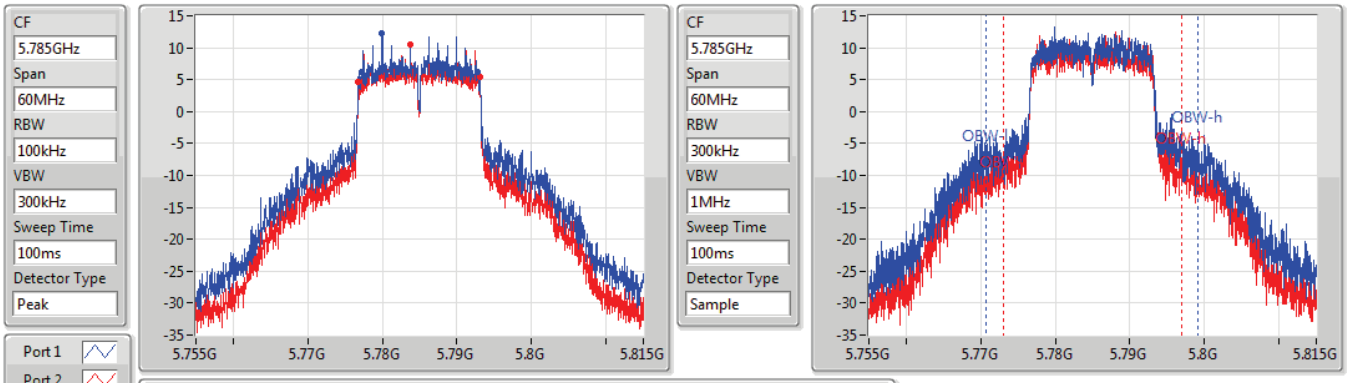


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.73681G	5.7531G	23.418M	5.733396G	5.756814G	500k	1
16.29M	5.73681G	5.7531G	20.39M	5.734835G	5.755225G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

14/08/2019

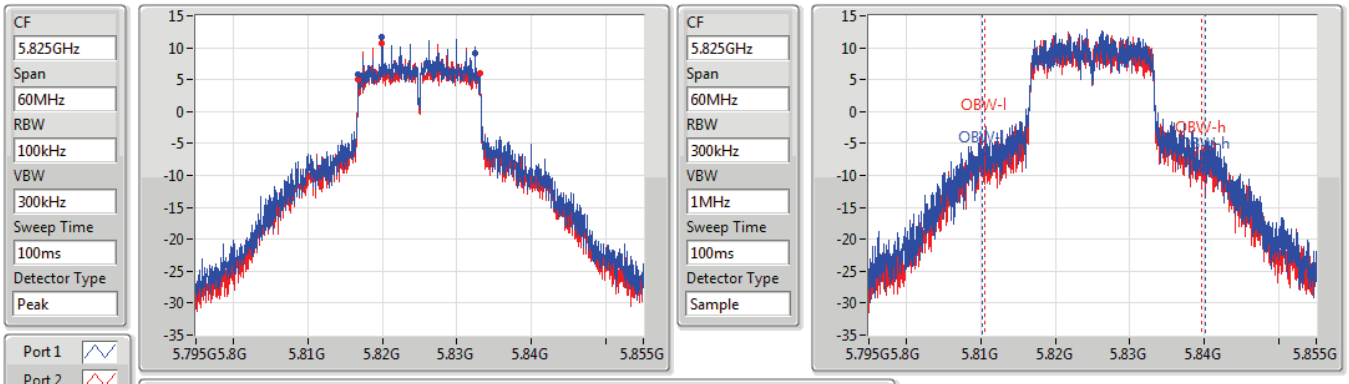


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.51M	5.7772G	5.79271G	28.276M	5.770787G	5.799063G	500k	1
16.29M	5.77681G	5.7931G	23.778M	5.773096G	5.796874G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

14/08/2019

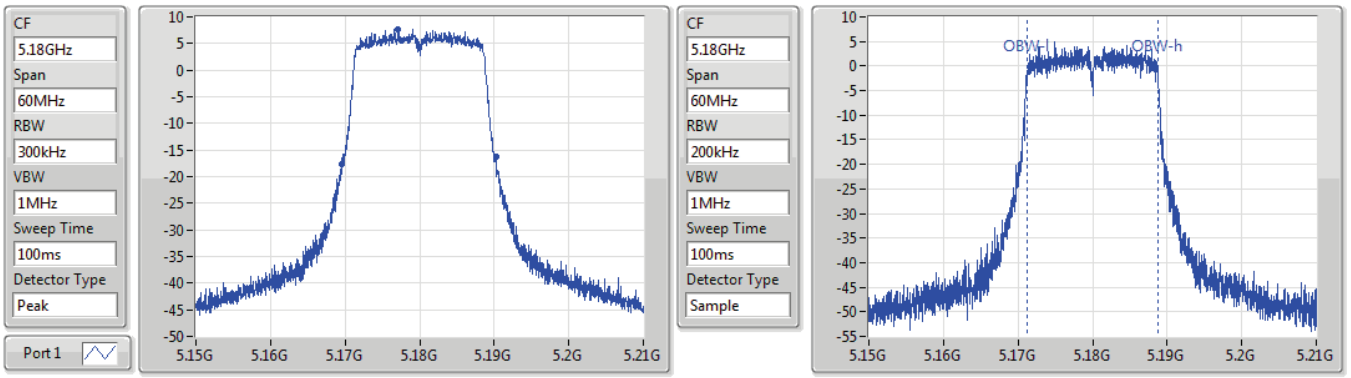


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.69M	5.81681G	5.8325G	29.835M	5.810277G	5.840112G	500k	1
16.29M	5.81681G	5.8331G	29.025M	5.810547G	5.839573G	500k	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) EBW

5180MHz

22/08/2019

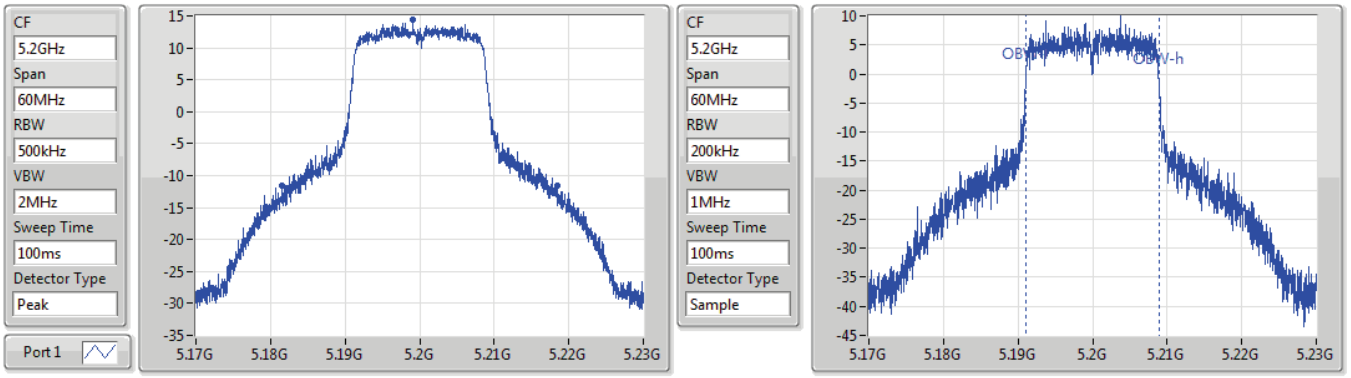


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.7M	5.16959G	5.19029G	17.601M	5.171154G	5.188756G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) EBW

5200MHz

22/08/2019

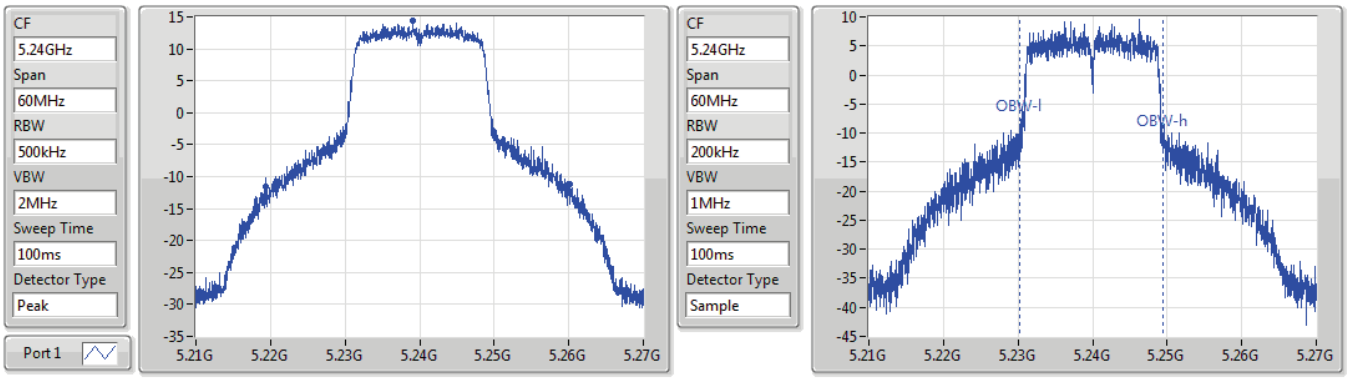


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.9M	5.18155G	5.21845G	17.931M	5.191004G	5.208936G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) EBW

5240MHz

22/08/2019

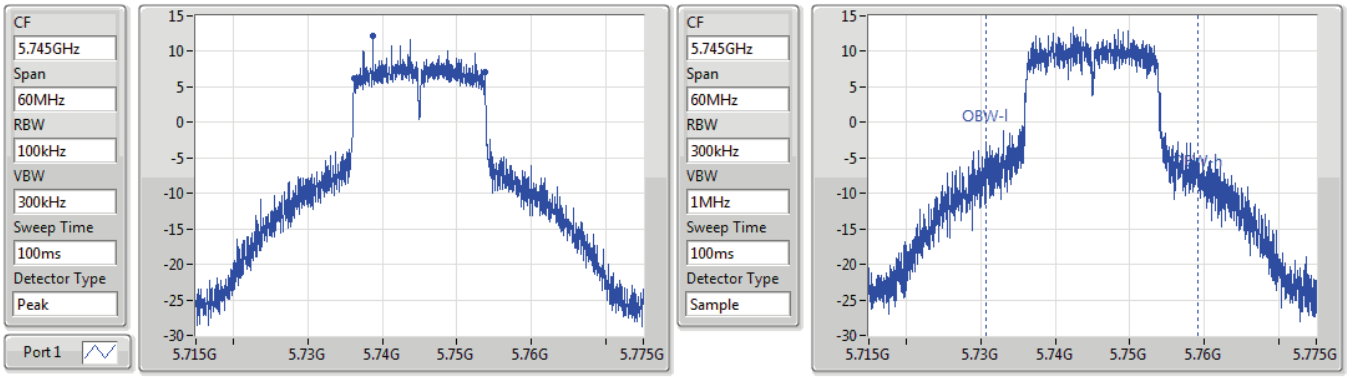


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.8M	5.2193G	5.2601G	19.25M	5.230255G	5.249505G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) EBW

5745MHz

14/08/2019

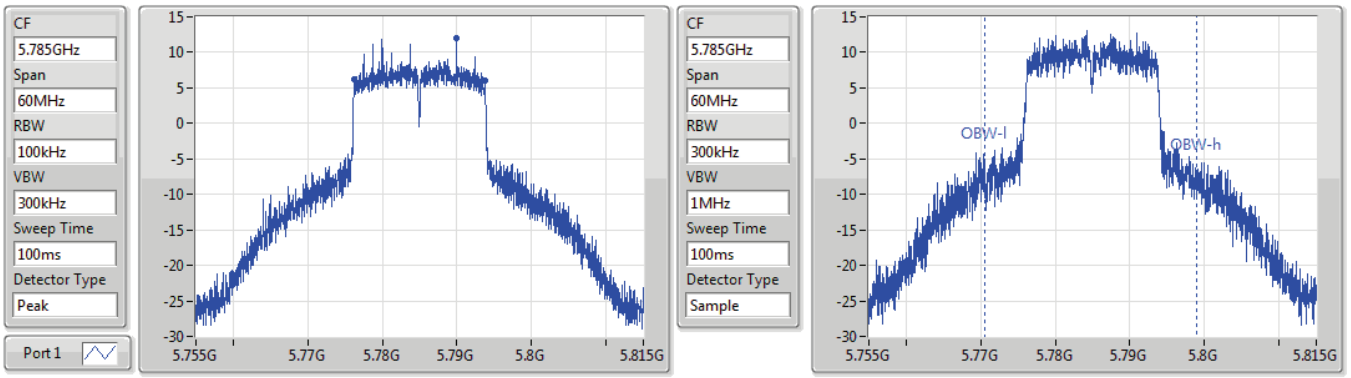


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.73621G	5.75373G	28.366M	5.730787G	5.759153G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) EBW

5785MHz

14/08/2019

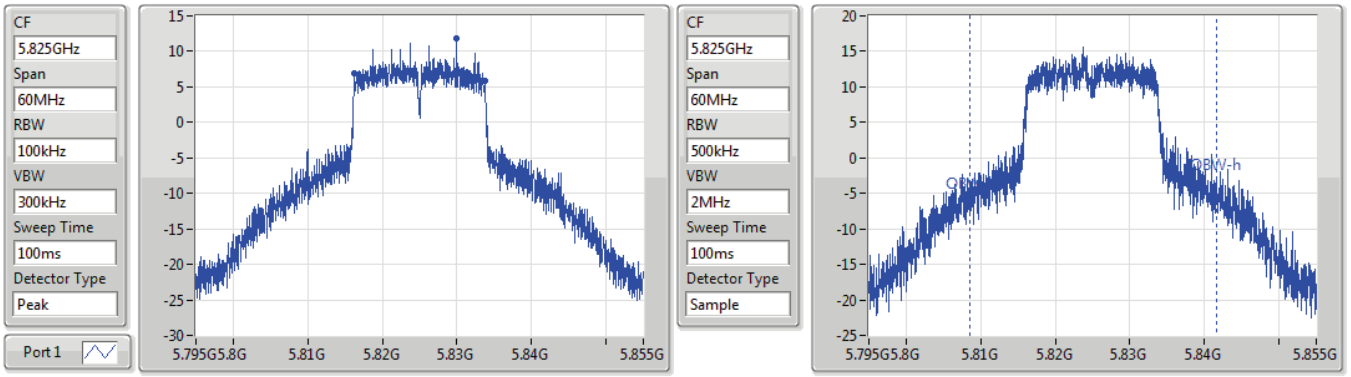


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.77621G	5.79373G	28.396M	5.770577G	5.798973G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) EBW

5825MHz

14/08/2019

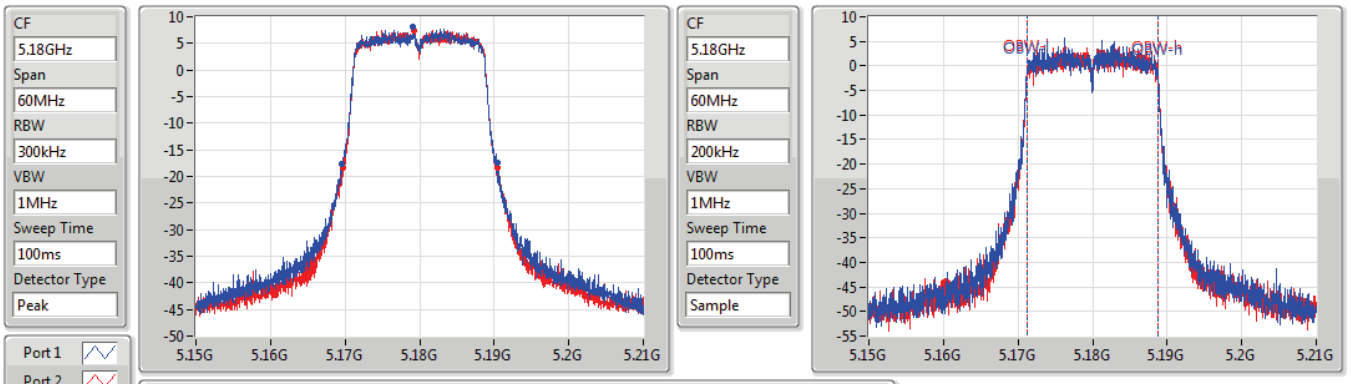


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.81621G	5.83376G	33.013M	5.808598G	5.841612G	500k	1

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

22/08/2019

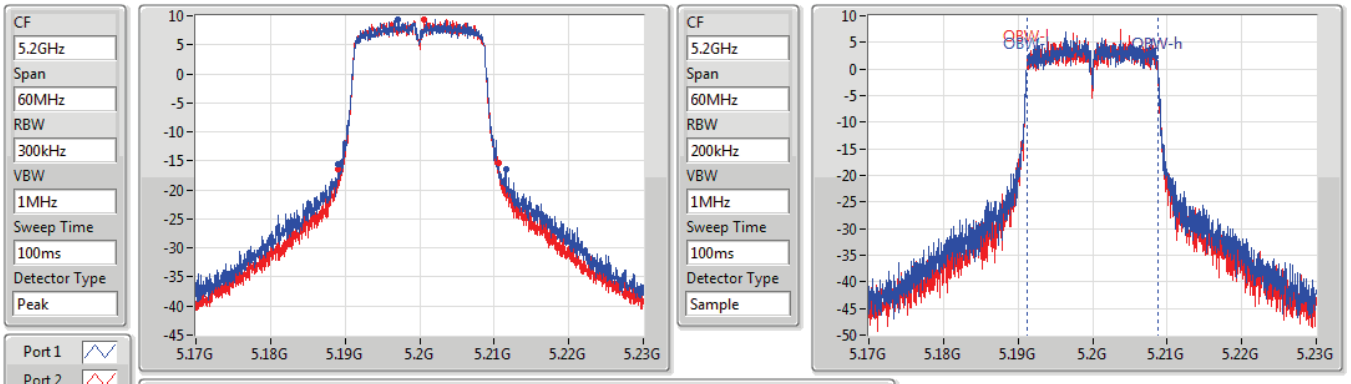


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.85M	5.16953G	5.19038G	17.601M	5.171154G	5.188756G	Inf	1
20.67M	5.16971G	5.19038G	17.571M	5.171184G	5.188756G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

22/08/2019

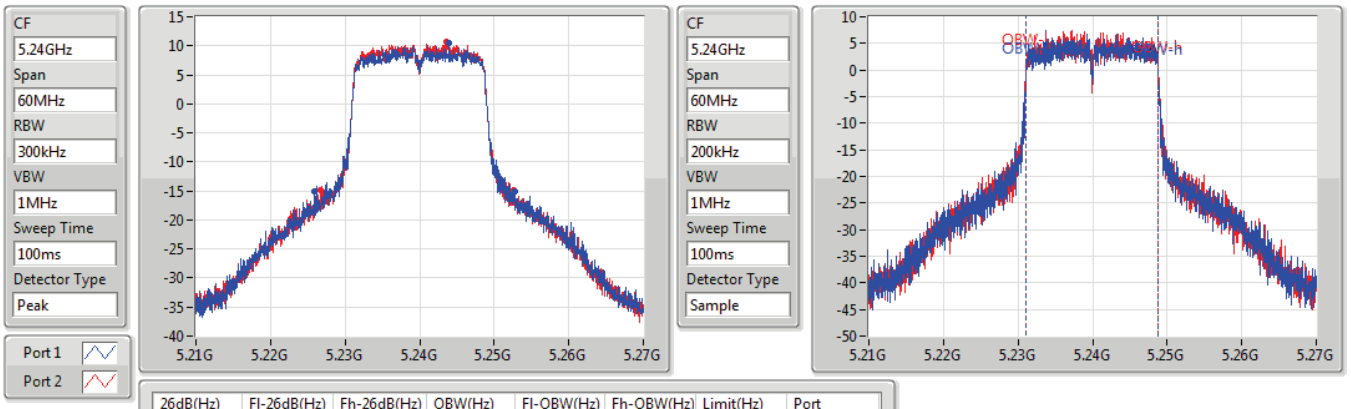


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.5M	5.18911G	5.21161G	17.631M	5.191154G	5.208786G	Inf	1
21.66M	5.18902G	5.21068G	17.571M	5.191184G	5.208756G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

22/08/2019

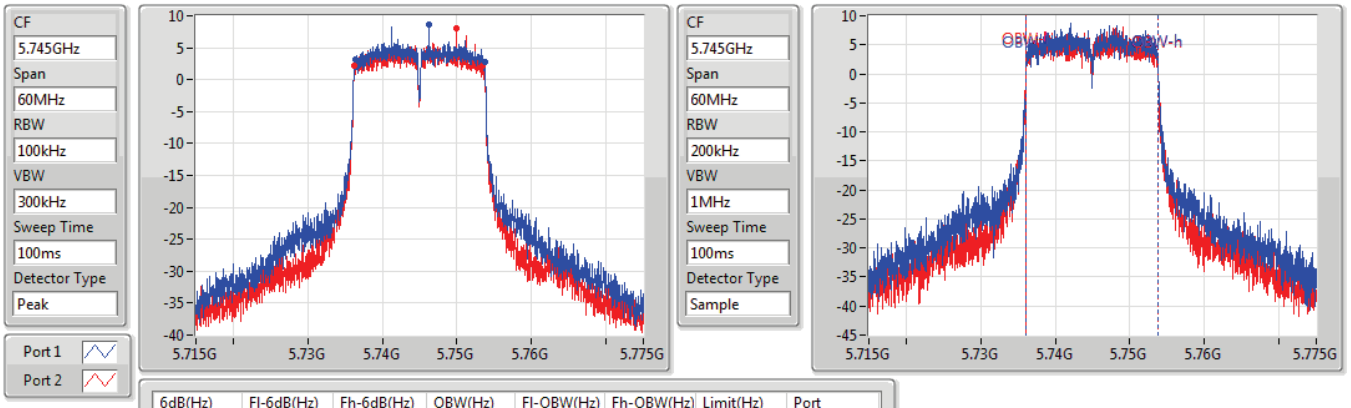


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.97M	5.22587G	5.25284G	17.691M	5.231124G	5.248816G	Inf	1
25.92M	5.22677G	5.25269G	17.691M	5.231124G	5.248816G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

14/08/2019

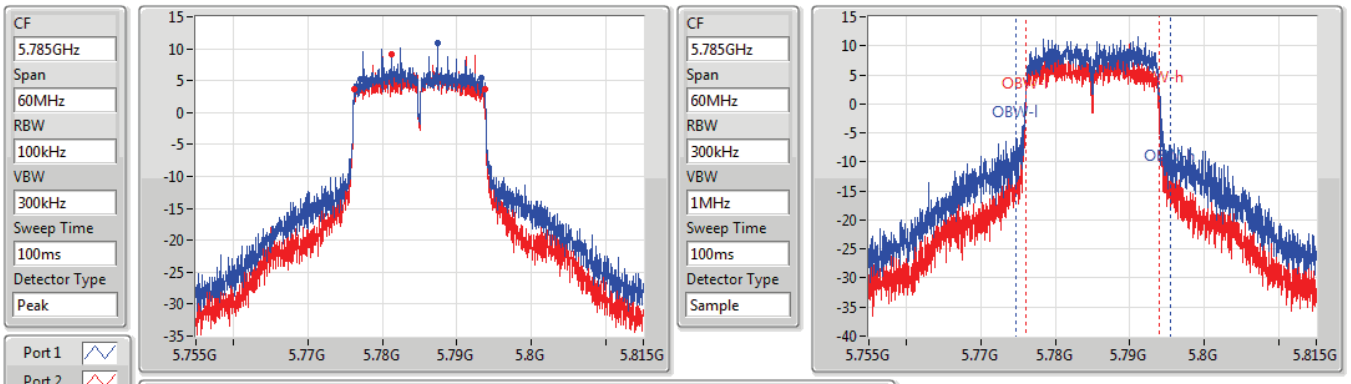


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.28M	5.73645G	5.75373G	17.661M	5.736124G	5.753786G	500k	1
17.22M	5.73624G	5.75346G	17.631M	5.736124G	5.753756G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

14/08/2019

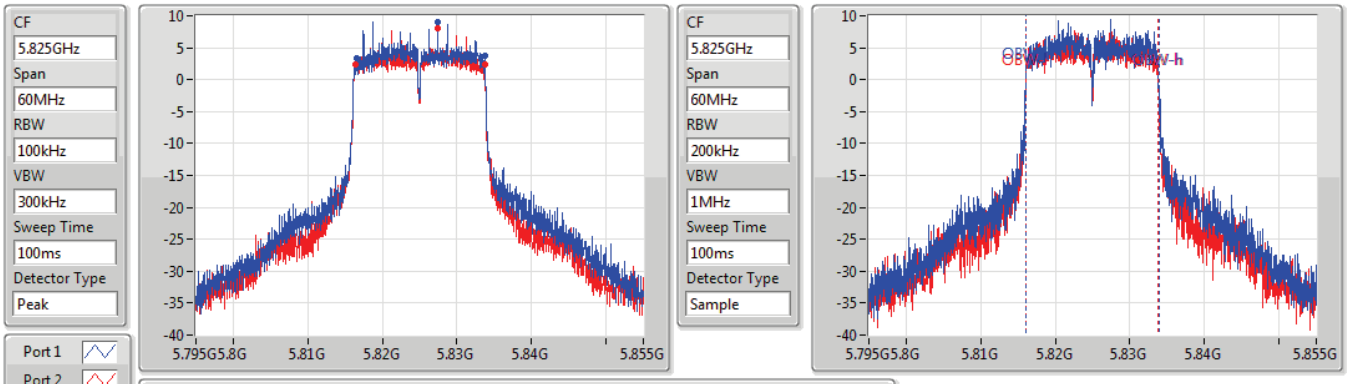


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.77699G	5.79334G	20.84M	5.774685G	5.795525G	500k	1
17.55M	5.77618G	5.79373G	17.871M	5.776004G	5.793876G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

14/08/2019

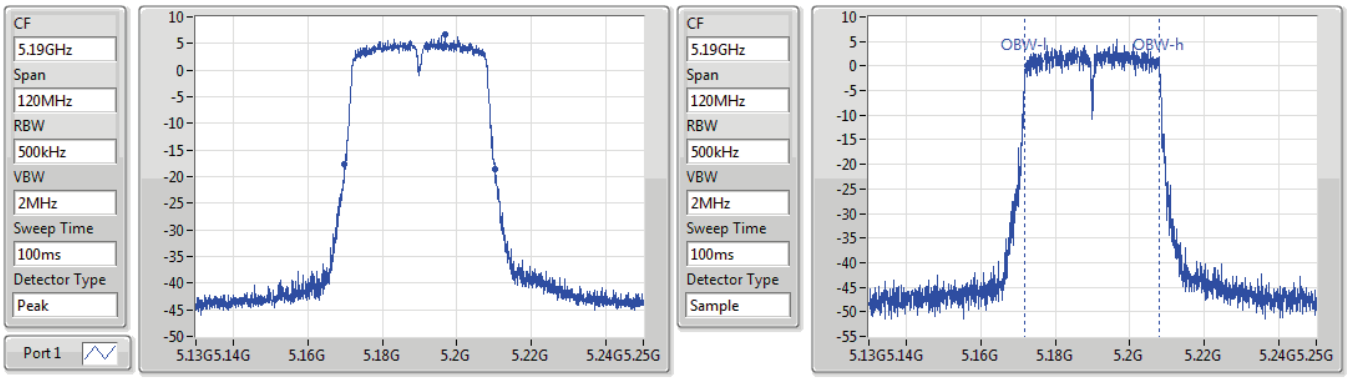


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.22M	5.81648G	5.8337G	17.811M	5.816064G	5.833876G	500k	1
17.28M	5.81645G	5.83373G	17.721M	5.816094G	5.833816G	500k	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) EBW

5190MHz

22/08/2019

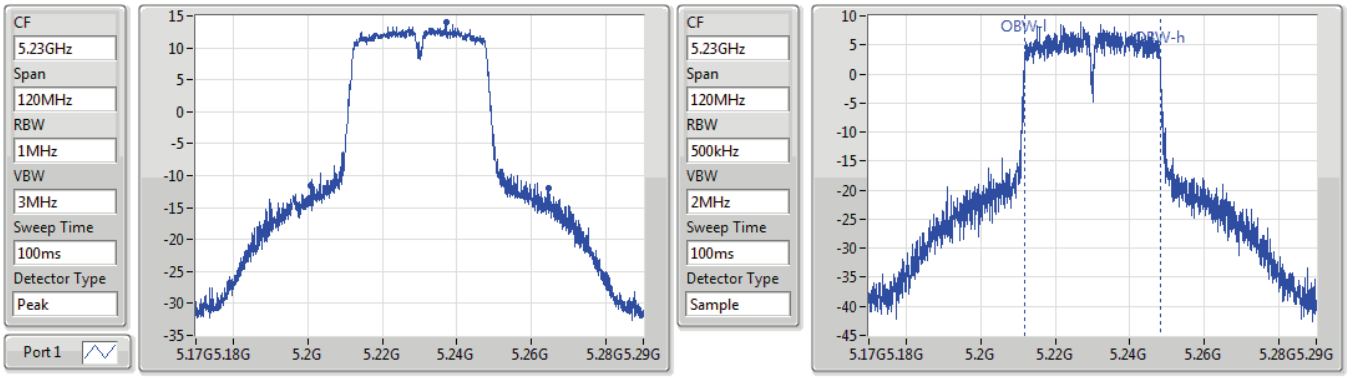


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.38M	5.16984G	5.21022G	36.102M	5.171889G	5.207991G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) EBW

5230MHz

22/08/2019

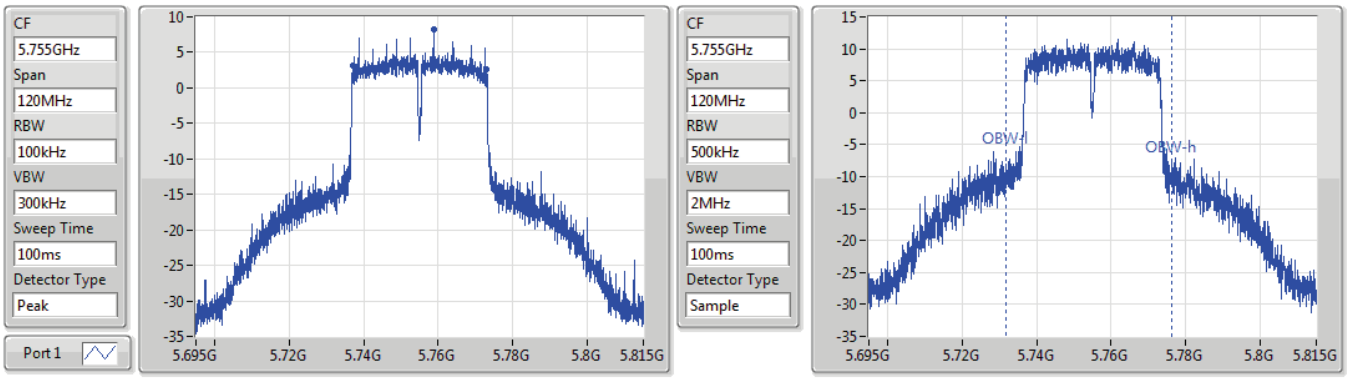


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
63.9M	5.2006G	5.2645G	36.282M	5.211829G	5.248111G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) EBW

5755MHz

14/08/2019

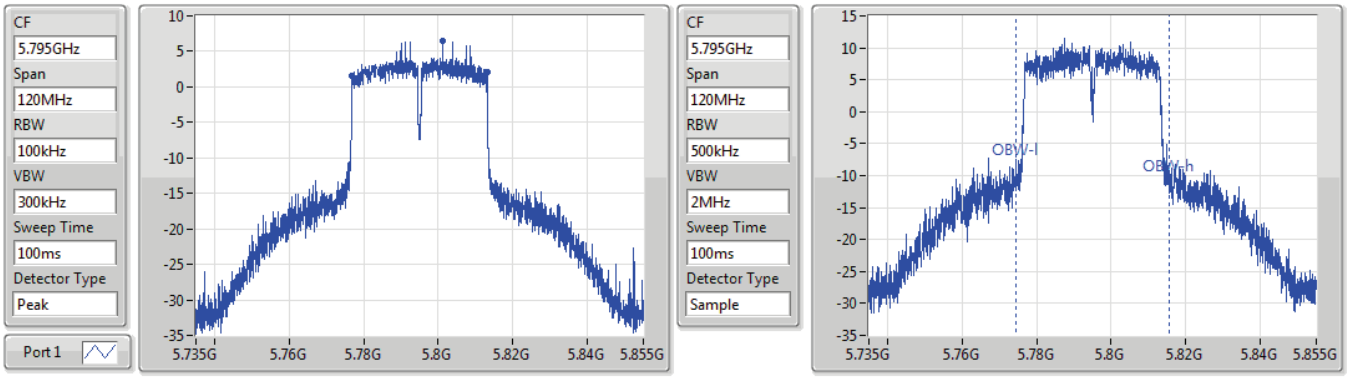


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.58M	5.73718G	5.77276G	44.258M	5.731852G	5.776109G	500k	1

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) EBW

5795MHz

14/08/2019

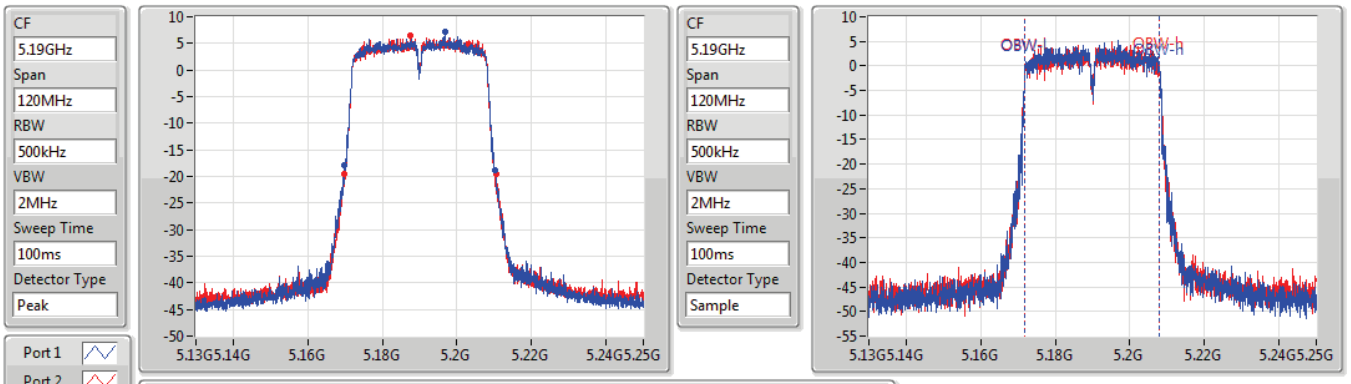


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.77682G	5.81312G	41.319M	5.77431G	5.81563G	500k	1

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

22/08/2019

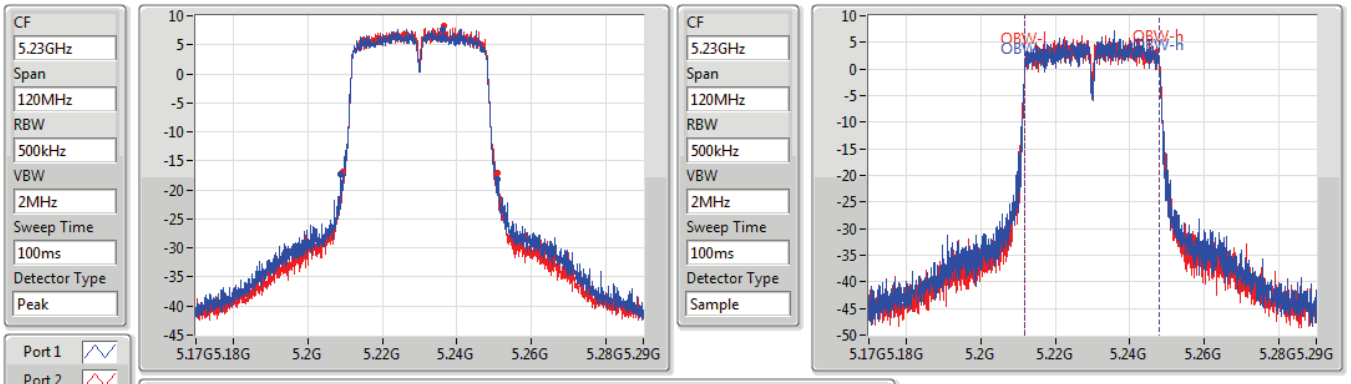


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.32M	5.1699G	5.21022G	36.042M	5.171949G	5.207991G	Inf	1
40.56M	5.16984G	5.2104G	36.042M	5.171949G	5.207991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

22/08/2019

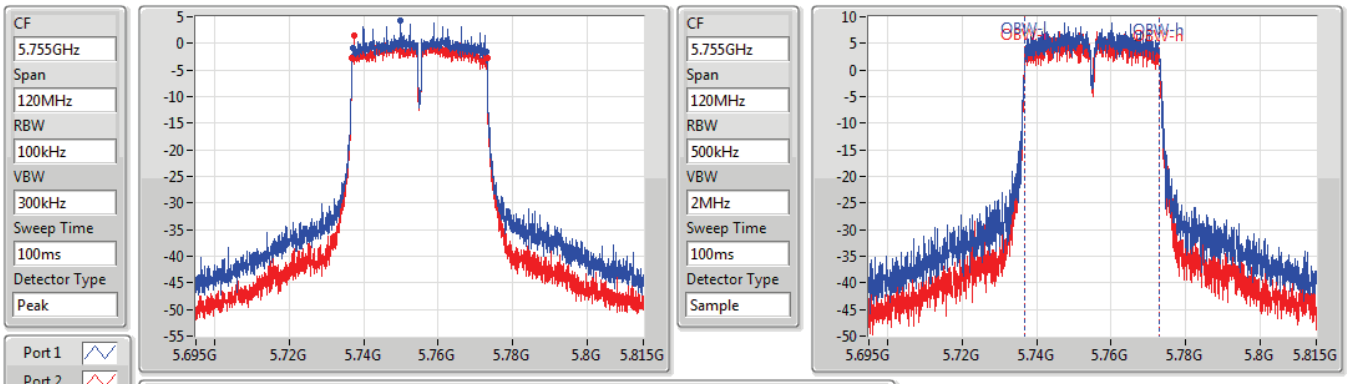


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42M	5.20894G	5.25094G	36.102M	5.211889G	5.247991G	Inf	1
41.34M	5.20948G	5.25082G	36.102M	5.211889G	5.247991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

14/08/2019

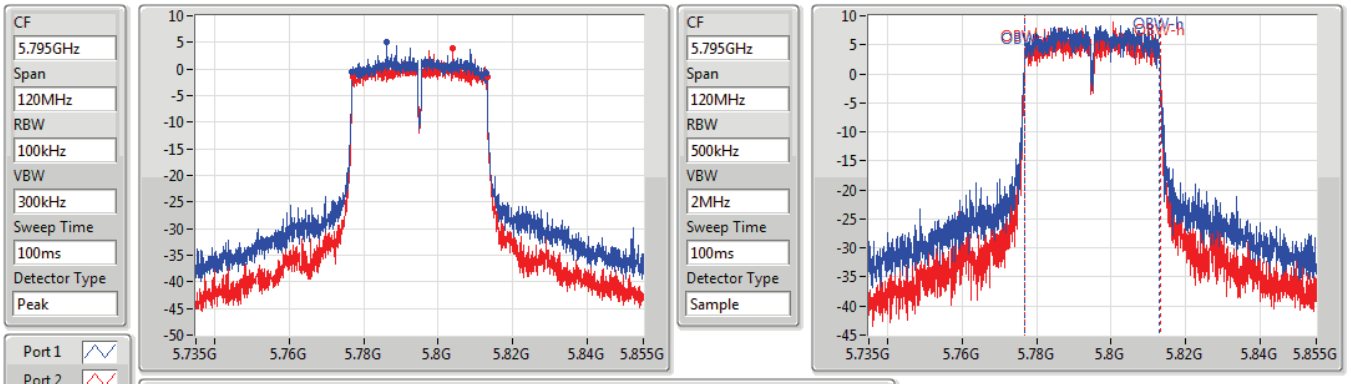


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	5.73718G	5.77288G	36.102M	5.736889G	5.772991G	500k	1
36.3M	5.73682G	5.77312G	36.102M	5.736889G	5.772991G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5795MHz

14/08/2019

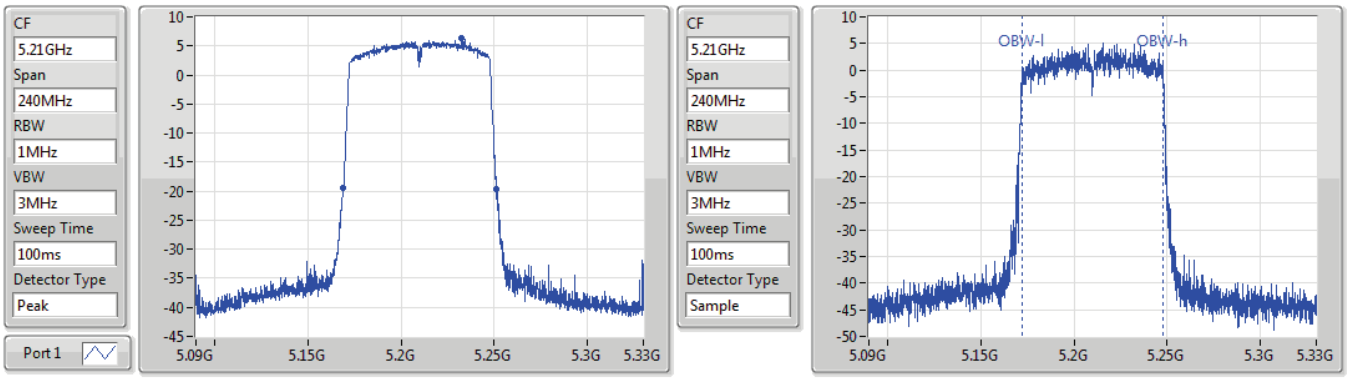


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.06M	5.77682G	5.81288G	36.162M	5.776829G	5.812991G	500k	1
36.06M	5.77706G	5.81312G	36.162M	5.776889G	5.813051G	500k	2

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1) EBW

5210MHz

22/08/2019

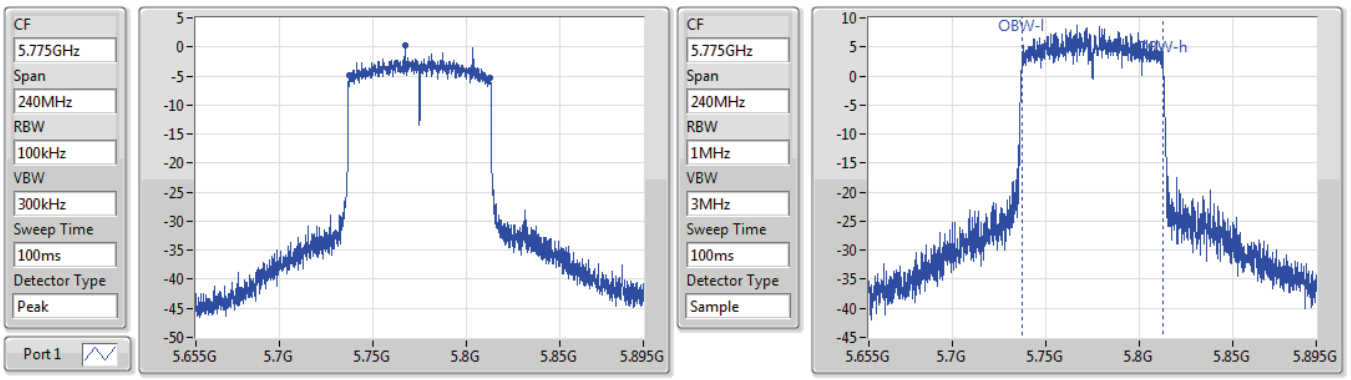


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.44M	5.16884G	5.25128G	75.442M	5.172219G	5.247661G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1) EBW

5775MHz

14/08/2019

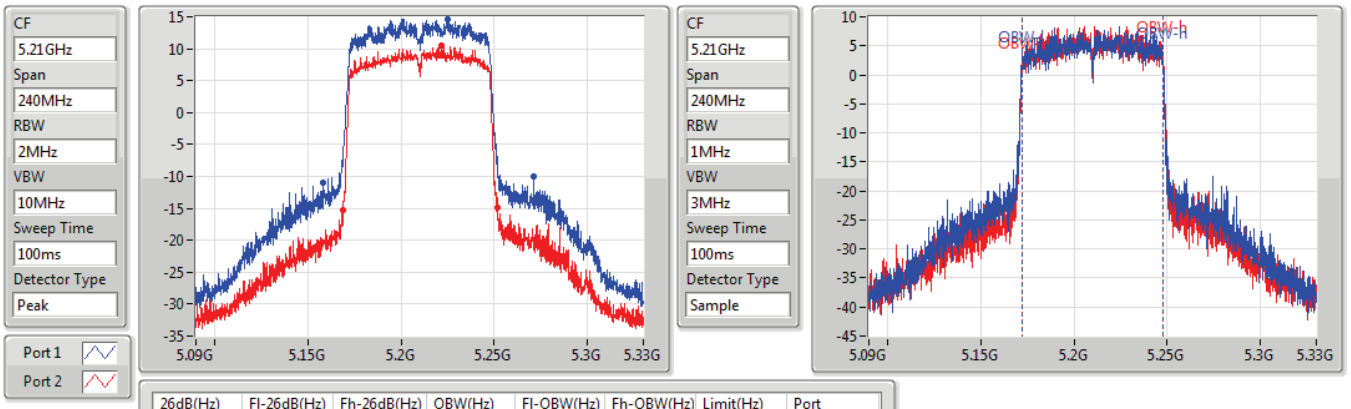


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.48M	5.7372G	5.81268G	75.562M	5.737099G	5.812661G	500k	1

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

22/08/2019

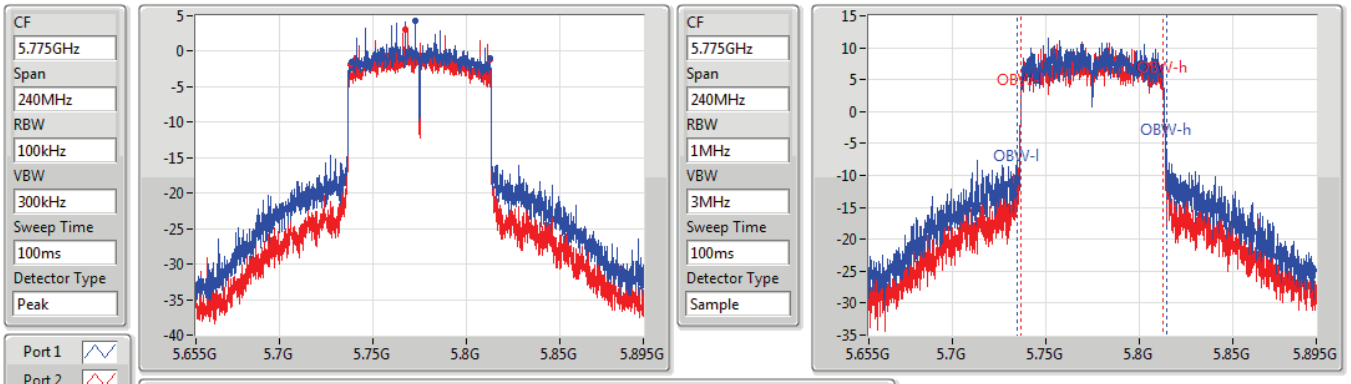


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
112.68M	5.15828G	5.27096G	75.802M	5.171979G	5.247781G	Inf	1
83.16M	5.16884G	5.252G	75.682M	5.172219G	5.247901G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz

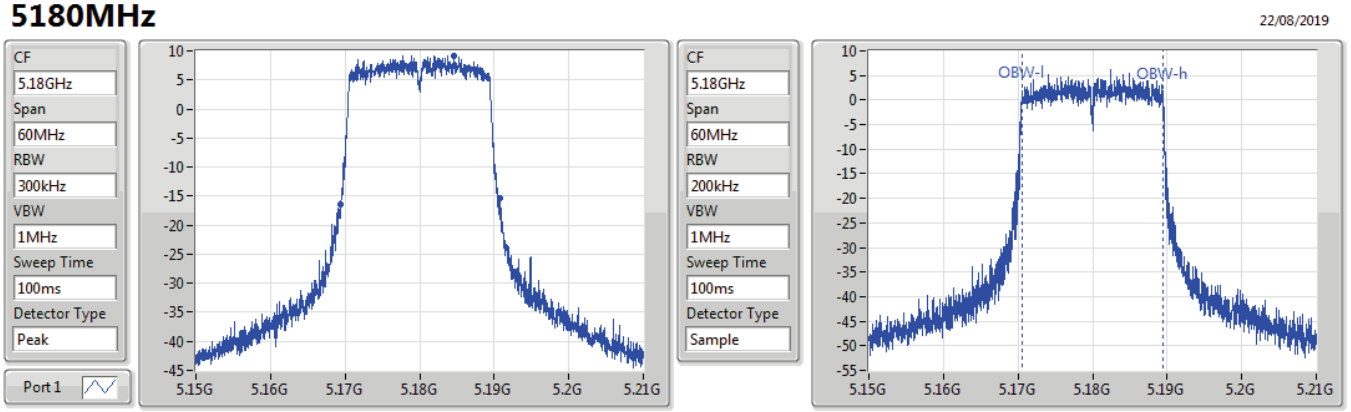
14/08/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.8M	5.73888G	5.81268G	80.24M	5.73422G	5.81446G	500k	1
74.4M	5.73804G	5.81244G	76.282M	5.736739G	5.813021G	500k	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1) EBW

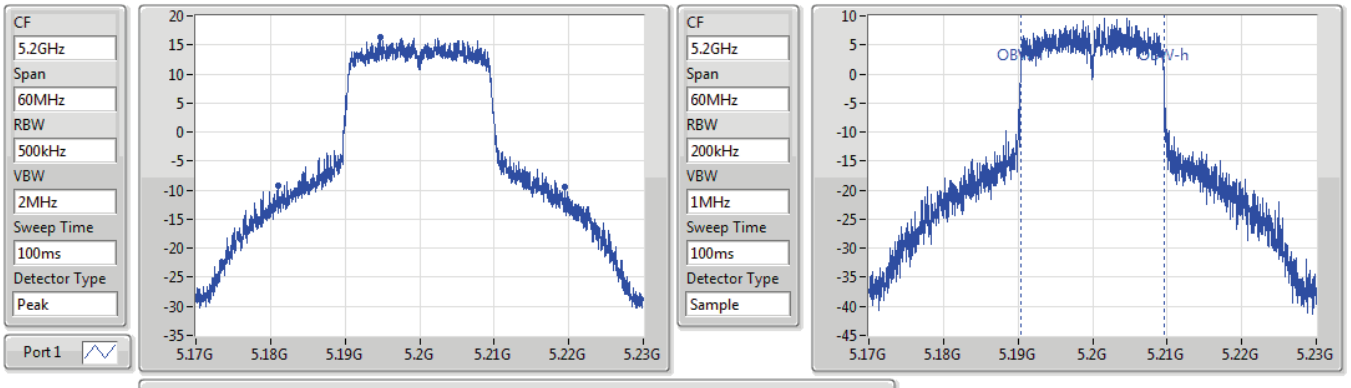
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.33M	5.16938G	5.19071G	18.951M	5.170495G	5.189445G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1) EBW

5200MHz

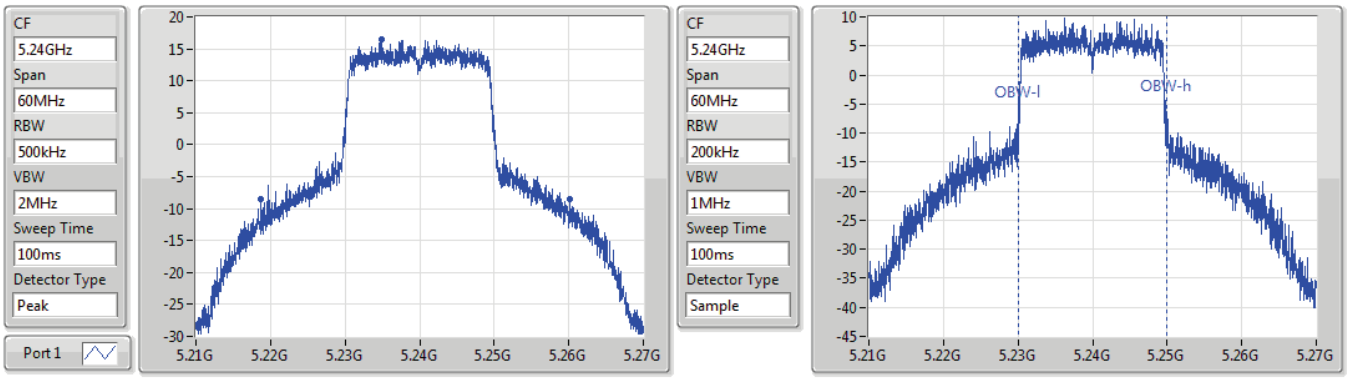


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.46M	5.18098G	5.21944G	19.19M	5.190375G	5.209565G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1) EBW

5240MHz

22/08/2019

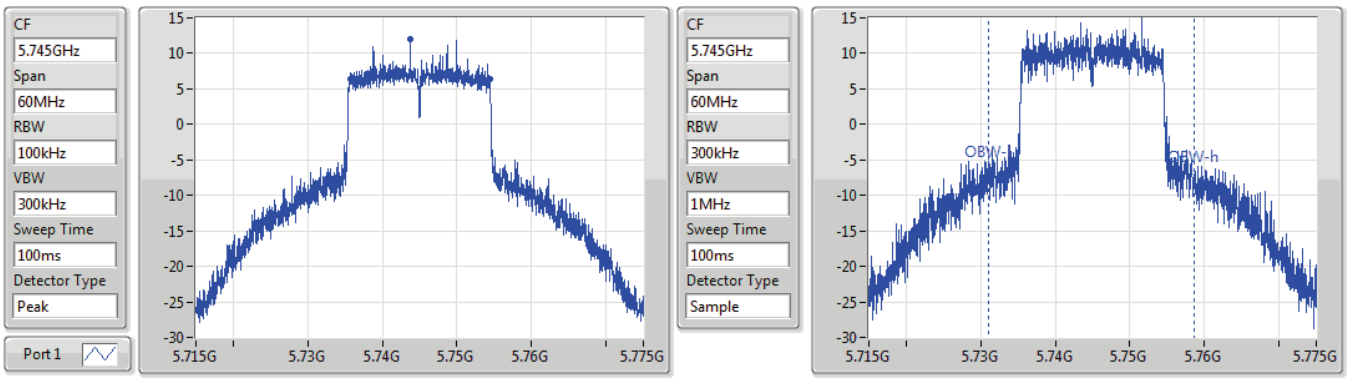


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.37M	5.21873G	5.2601G	19.88M	5.230075G	5.249955G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1) EBW

5745MHz

14/08/2019

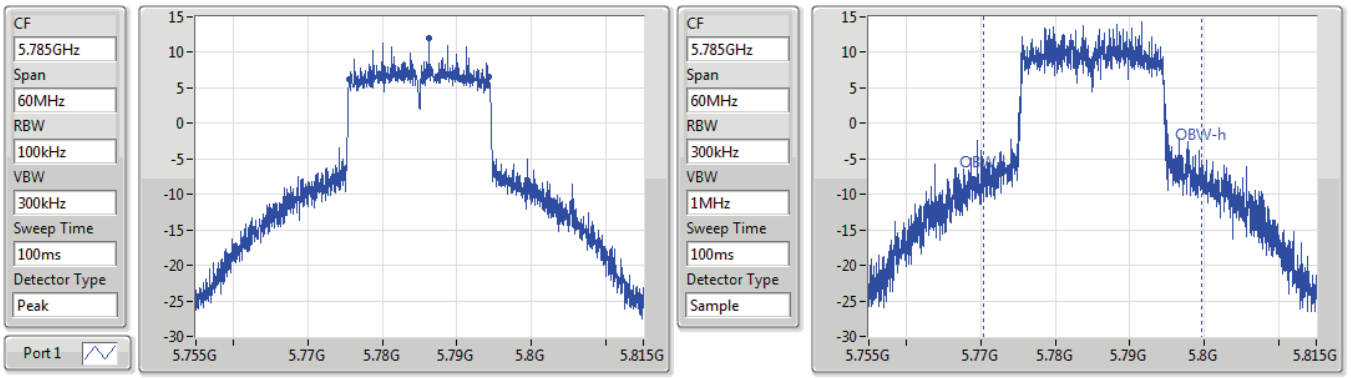


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.75M	5.73567G	5.75442G	27.646M	5.731027G	5.758673G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1) EBW

5785MHz

14/08/2019

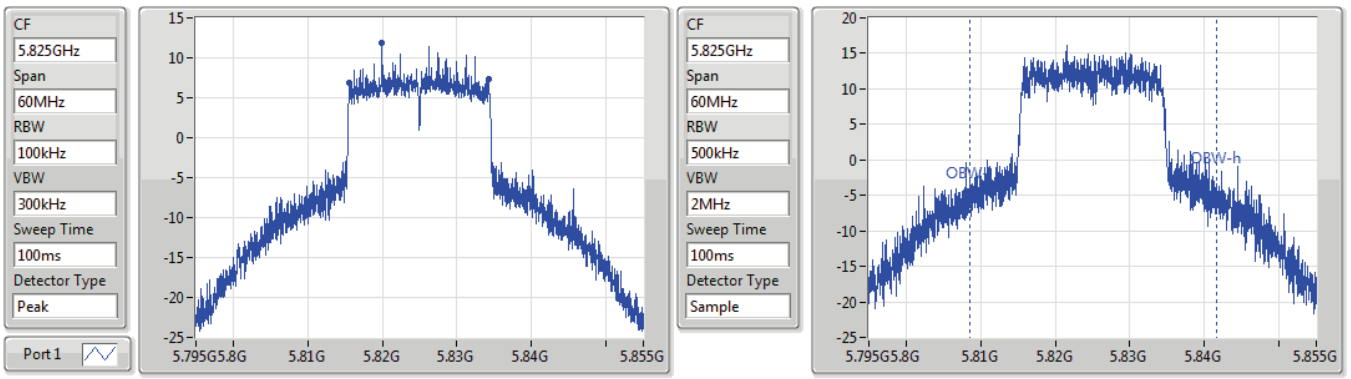


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.81M	5.77549G	5.7943G	29.145M	5.770457G	5.799603G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX(Port1) EBW

5825MHz

14/08/2019

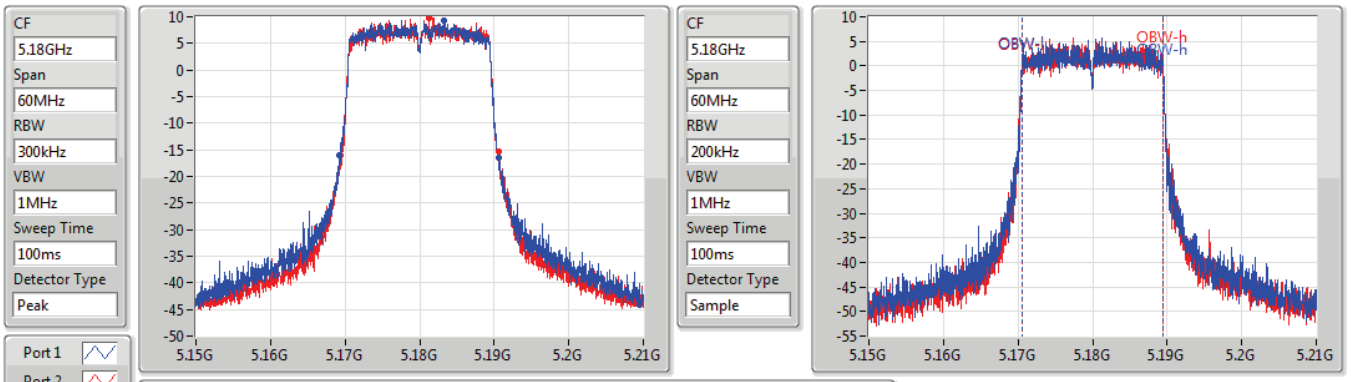


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.66M	5.81564G	5.8343G	33.133M	5.808478G	5.841612G	500k	1

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5180MHz

22/08/2019

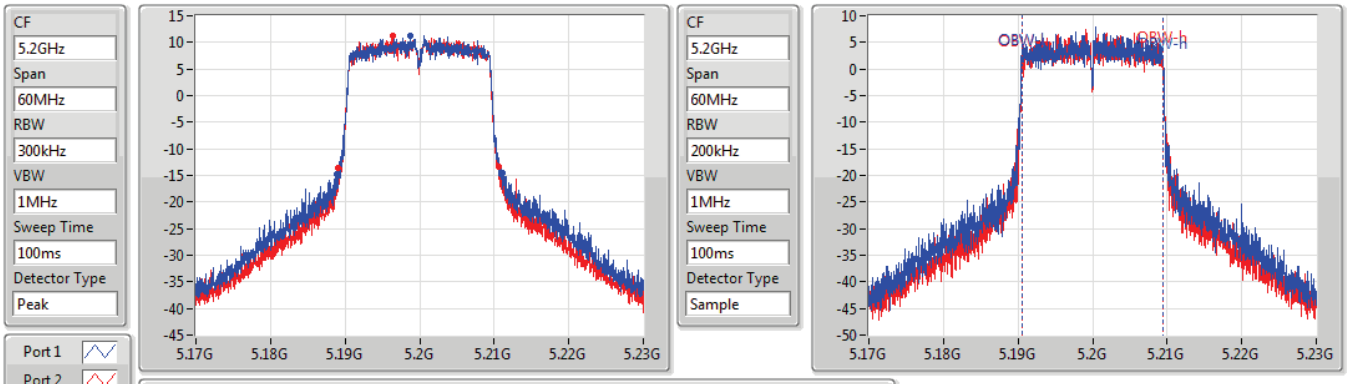


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.16923G	5.19062G	18.921M	5.170525G	5.189445G	Inf	1
21.36M	5.16932G	5.19068G	18.921M	5.170525G	5.189445G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5200MHz

22/08/2019

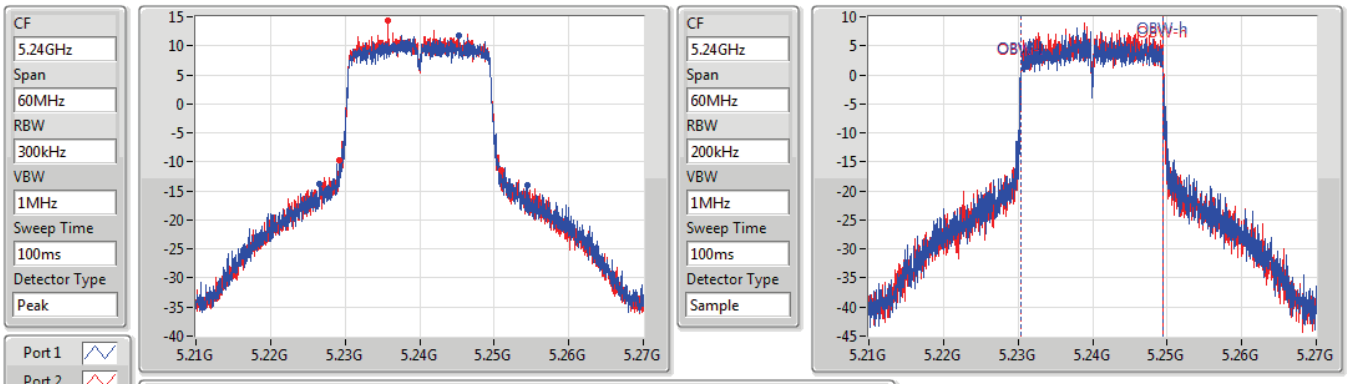


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.23M	5.18893G	5.21116G	18.921M	5.190495G	5.209415G	Inf	1
21.6M	5.18908G	5.21068G	18.891M	5.190525G	5.209415G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5240MHz

22/08/2019

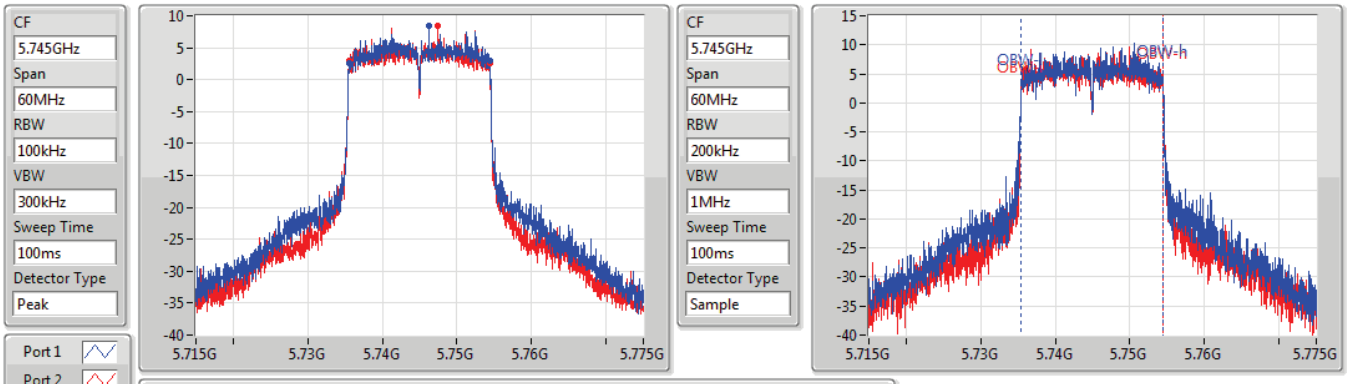


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.9M	5.22653G	5.25443G	18.981M	5.230465G	5.249445G	Inf	1
21.78M	5.2292G	5.25098G	18.981M	5.230465G	5.249445G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5745MHz

14/08/2019

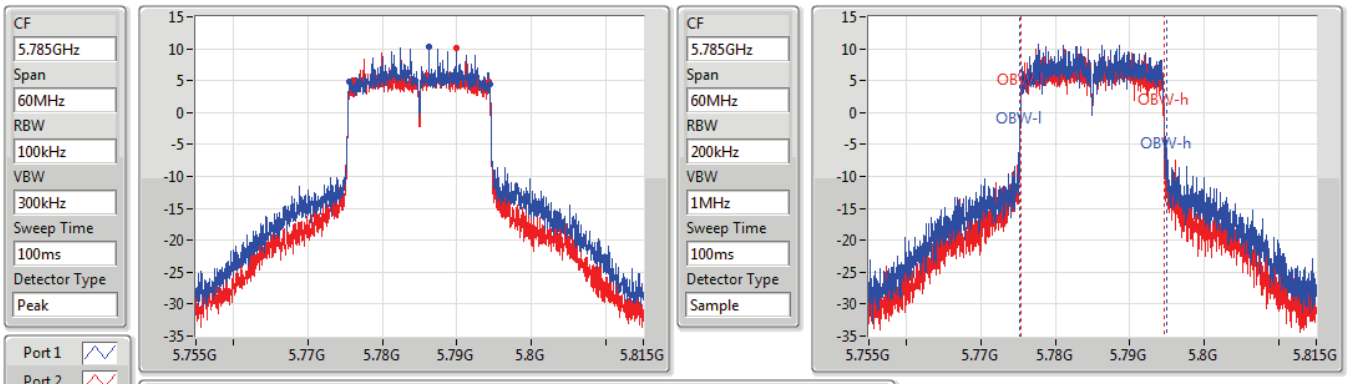


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.87M	5.73552G	5.75439G	18.981M	5.735465G	5.754445G	500k	1
18.75M	5.73561G	5.75436G	18.951M	5.735465G	5.754415G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5785MHz

14/08/2019

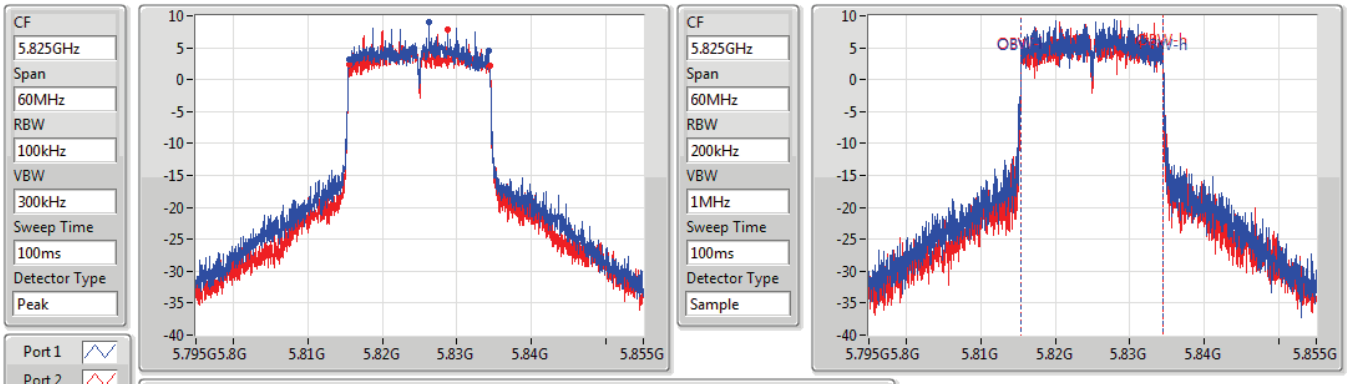


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.84M	5.77552G	5.79436G	19.73M	5.775225G	5.794955G	500k	1
18.21M	5.77609G	5.7943G	19.16M	5.7753375G	5.794535G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5825MHz

14/08/2019

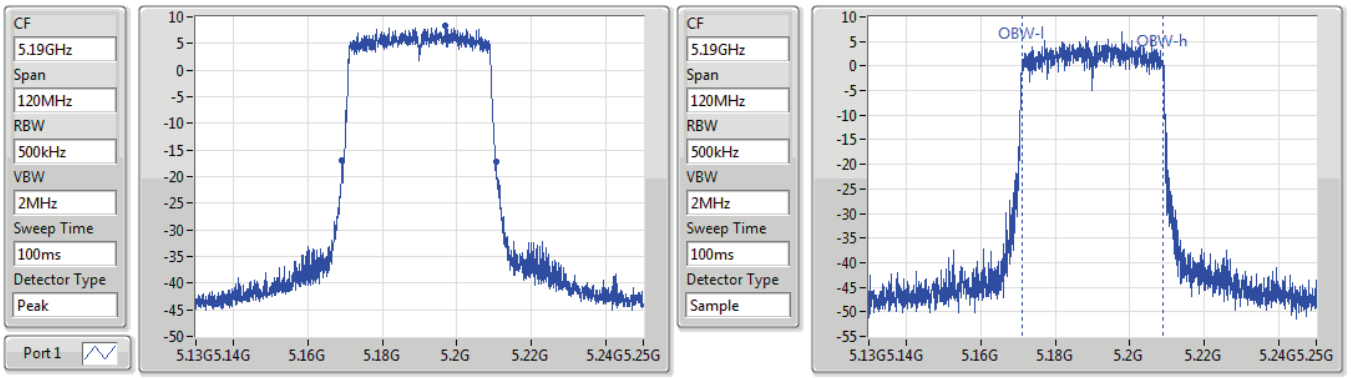


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.72M	5.81549G	5.83421G	19.07M	5.815405G	5.834475G	500k	1
18.75M	5.81561G	5.83436G	19.04M	5.815435G	5.834475G	500k	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port1) EBW

5190MHz

22/08/2019

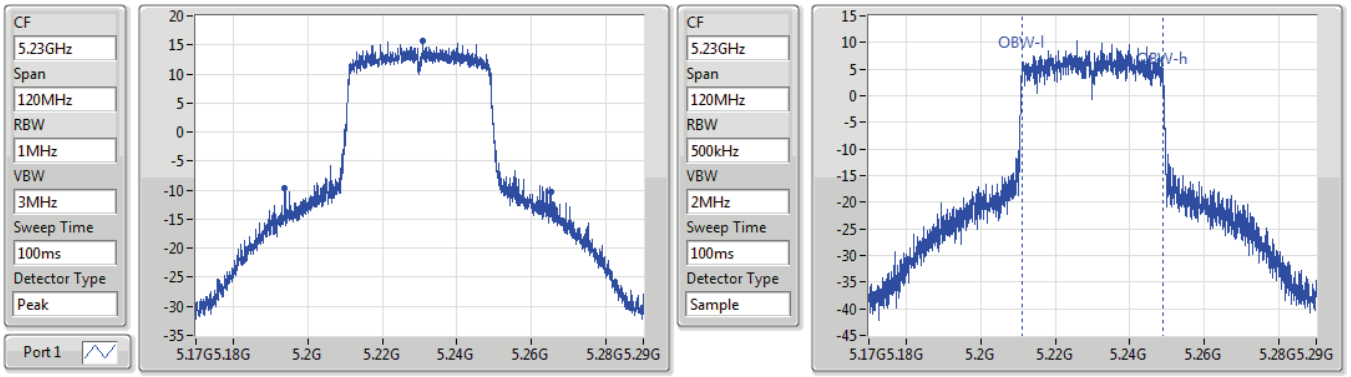


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.52M	5.16912G	5.21064G	37.721M	5.171109G	5.208831G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX(Port1) EBW

5230MHz

22/08/2019

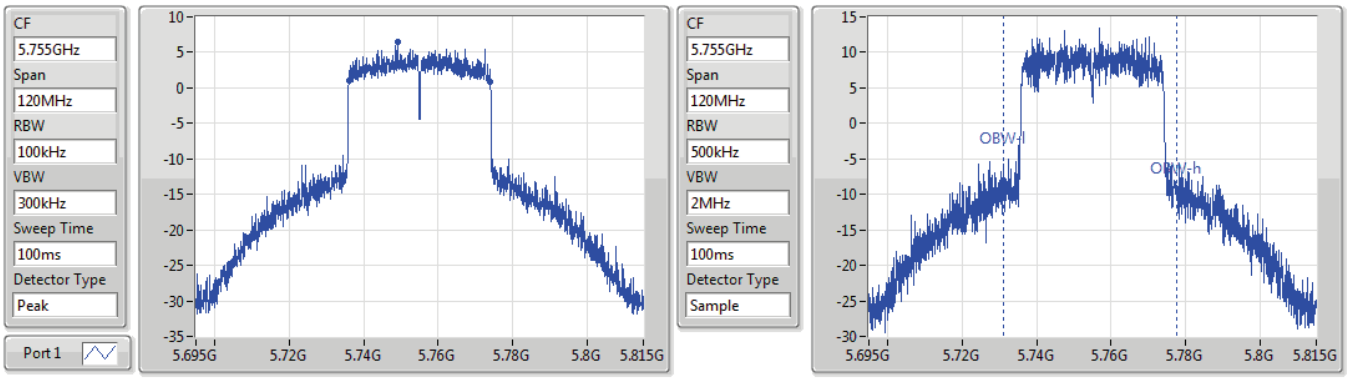


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
71.34M	5.19388G	5.26522G	37.961M	5.21099G	5.248951G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX(Port1) EBW

5755MHz

14/08/2019

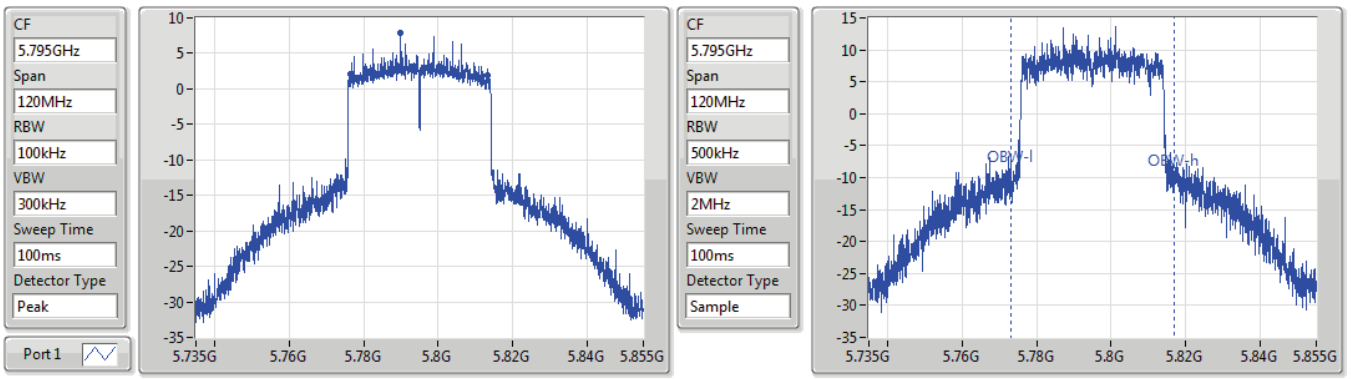


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.98M	5.73598G	5.77396G	46.717M	5.731012G	5.777729G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX(Port1) EBW

5795MHz

14/08/2019

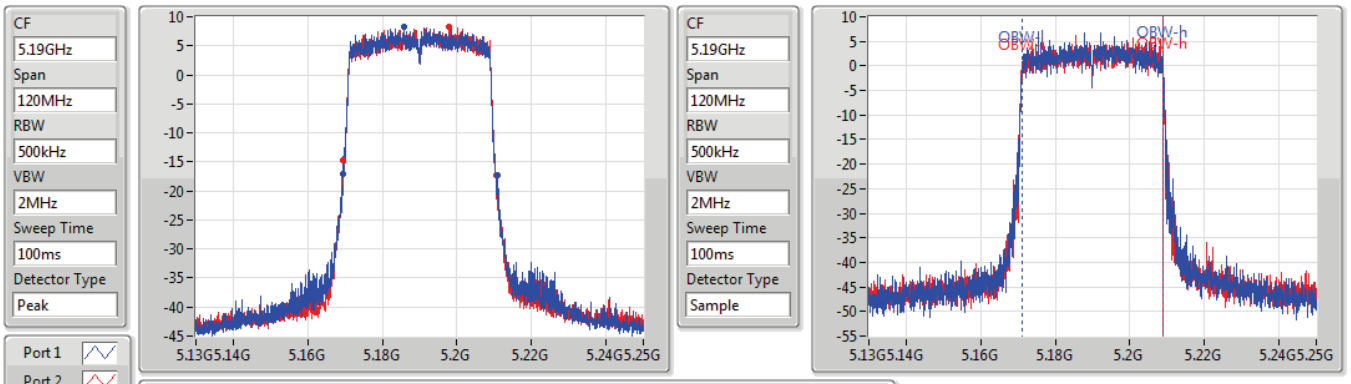


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.78M	5.77646G	5.81324G	43.778M	5.773231G	5.817009G	500k	1

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5190MHz

22/08/2019

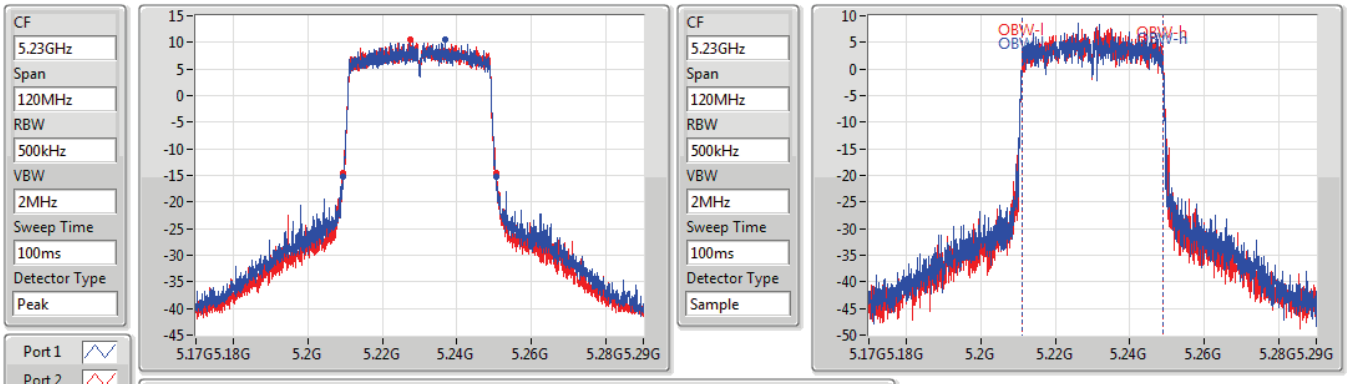


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.34M	5.16942G	5.21076G	37.721M	5.171109G	5.208831G	Inf	1
40.98M	5.16954G	5.21052G	37.661M	5.171169G	5.208831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5230MHz

22/08/2019

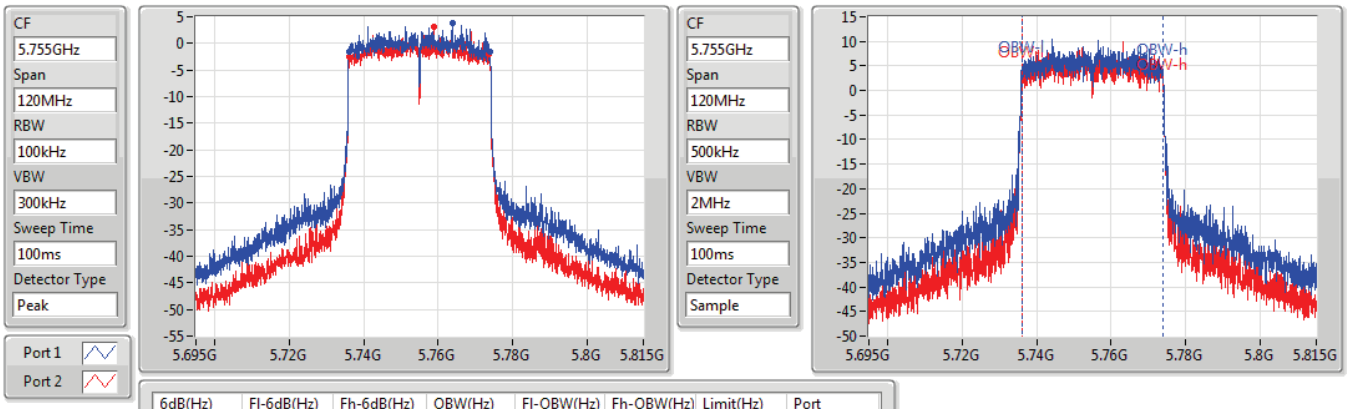


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.16M	5.20936G	5.25052G	37.601M	5.211169G	5.248771G	Inf	1
41.22M	5.20942G	5.25064G	37.661M	5.211109G	5.248771G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5755MHz

14/08/2019

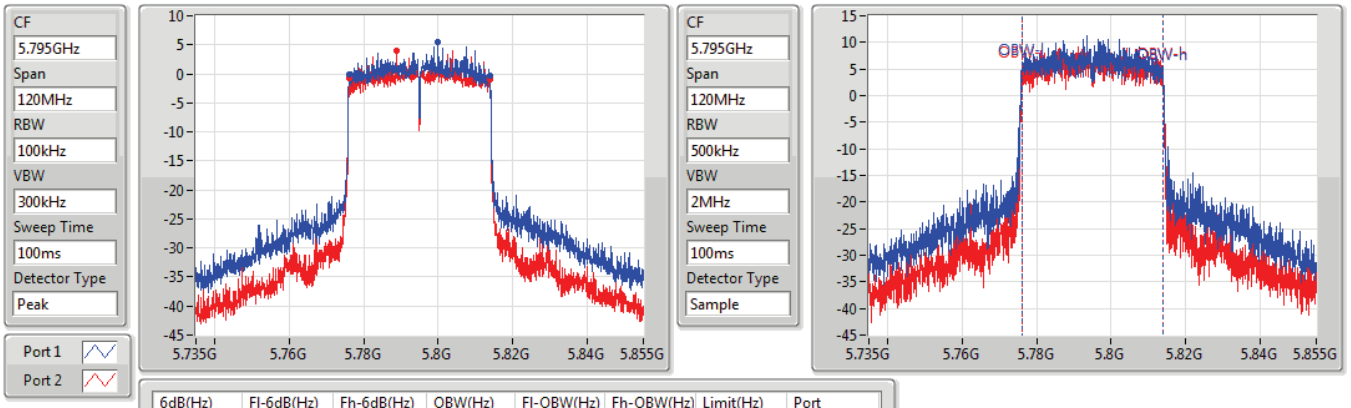


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.86M	5.73598G	5.77384G	37.781M	5.73599G	5.773771G	500k	1
37.5M	5.7361G	5.7736G	37.721M	5.736049G	5.773771G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5795MHz

14/08/2019

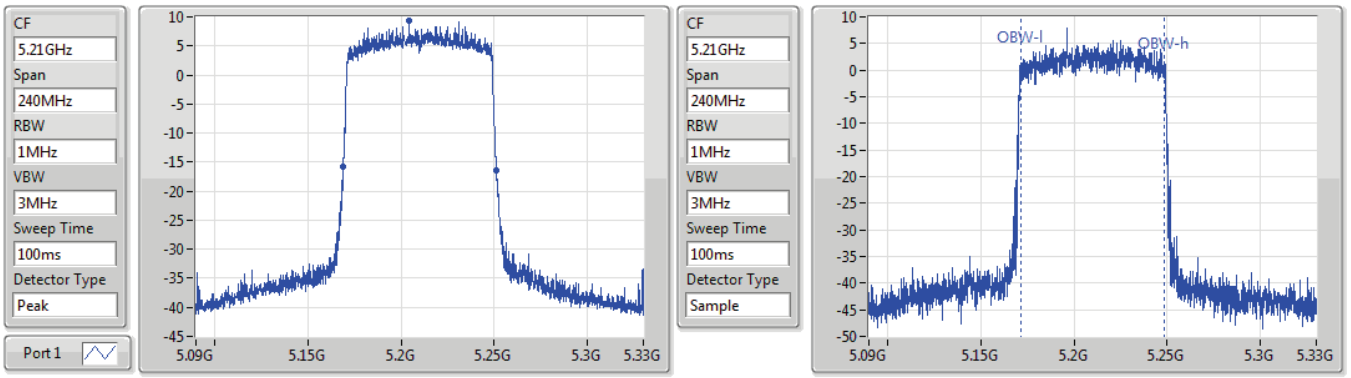


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.8M	5.77604G	5.81384G	37.781M	5.77599G	5.813771G	500k	1
37.62M	5.77622G	5.81384G	37.781M	5.776049G	5.813831G	500k	2

802.11ax HEW80_Nss1,(MCS0)_1TX(Port1) EBW

5210MHz

22/08/2019

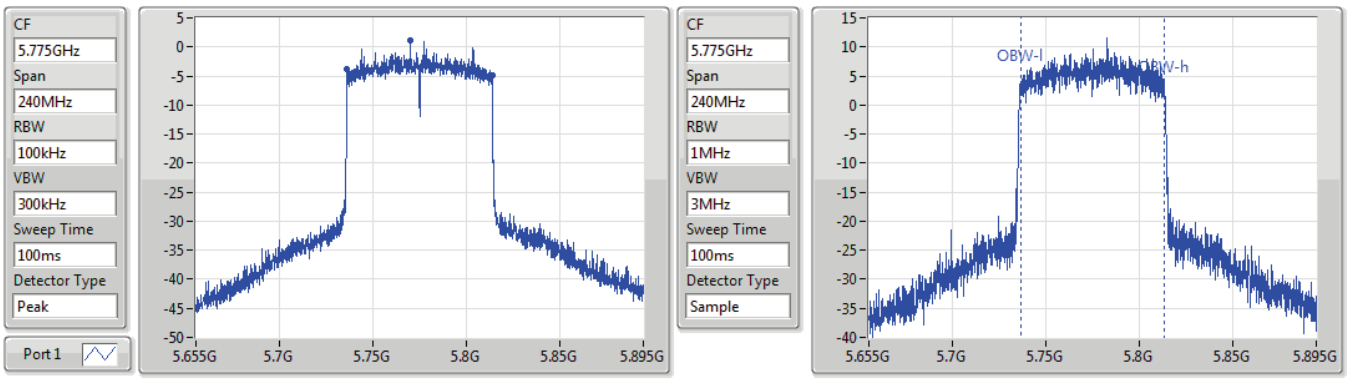


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.44M	5.1686G	5.25104G	77.241M	5.171259G	5.248501G	Inf	1

802.11ax HEW80_Nss1,(MCS0)_1TX(Port1) EBW

5775MHz

14/08/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.88M	5.73612G	5.814G	77.241M	5.736259G	5.813501G	500k	1

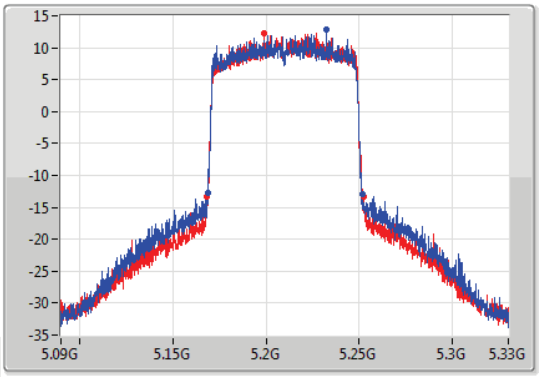
802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5210MHz

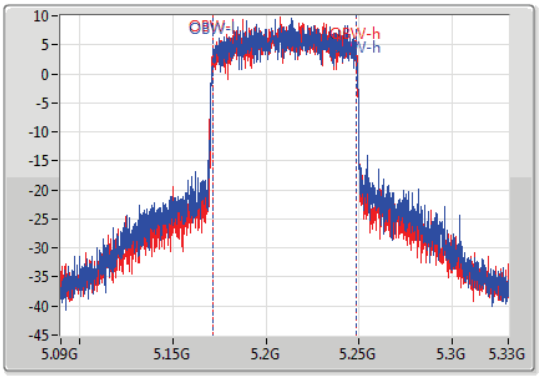
22/08/2019

CF	5.21GHz
Span	240MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Peak

Port 1
Port 2



CF	5.21GHz
Span	240MHz
RBW	1MHz
VBW	3MHz
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
83.16M	5.16872G	5.25188G	77.241M	5.171379G	5.248621G	Inf	1
84.72M	5.168G	5.25272G	77.241M	5.171379G	5.248621G	Inf	2

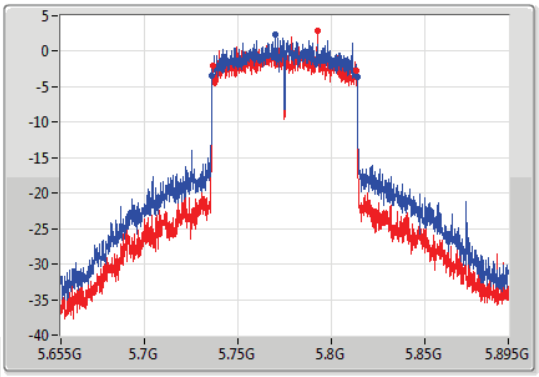
802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5775MHz

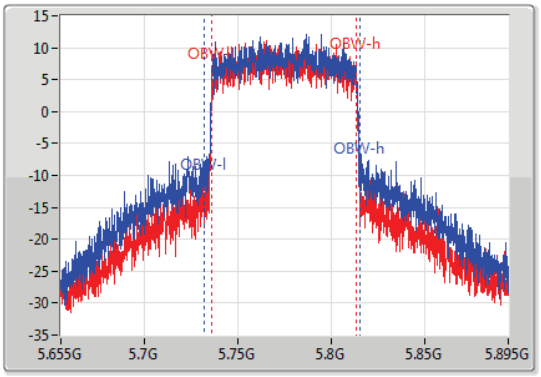
14/08/2019

CF	5.775GHz
Span	240MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak

Port 1
Port 2



CF	5.775GHz
Span	240MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
78M	5.736G	5.814G	83.838M	5.731702G	5.81554G	500k	1
77.52M	5.73624G	5.81376G	77.841M	5.7359G	5.813741G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	19.14M	16.402M	16M4D1D	19.02M	16.372M
802.11a_Nss1,(6Mbps)_2TX	19.32M	16.402M	16M4D1D	19.08M	16.372M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	20.7M	17.601M	17M6D1D	20.61M	17.571M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.88M	17.631M	17M6D1D	20.43M	17.571M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	40.32M	36.042M	36M0D1D	40.2M	36.042M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.92M	36.102M	36M1D1D	40.38M	36.042M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	82.08M	75.562M	75M6D1D	82.08M	75.562M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.08M	75.322M	75M3D1D	81.24M	75.322M
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	21.75M	18.921M	18M9D1D	21.39M	18.921M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.66M	18.951M	19M0D1D	21.18M	18.891M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	41.28M	37.721M	37M7D1D	41.28M	37.661M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.22M	37.781M	37M8D1D	40.98M	37.721M
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	82.44M	77.241M	77M2D1D	82.44M	77.241M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.68M	77.121M	77M1D1D	82.08M	77.001M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	16.29M	24.378M	24M4D1D	16.02M	16.492M
802.11a_Nss1,(6Mbps)_2TX	16.32M	16.762M	16M8D1D	15.9M	16.462M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	17.55M	30.645M	30M6D1D	17.52M	17.721M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.58M	17.691M	17M7D1D	17.22M	17.601M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	36.36M	36.102M	36M1D1D	35.7M	36.102M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.3M	36.102M	36M1D1D	35.7M	36.042M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	75.12M	75.442M	75M4D1D	75.12M	75.442M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.48M	75.442M	75M4D1D	75.36M	75.322M
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	18.84M	31.724M	31M7D1D	18.51M	18.981M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.96M	19.01M	19M0D1D	18.54M	18.921M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	37.8M	37.781M	37M8D1D	37.8M	37.661M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.98M	37.781M	37M8D1D	37.68M	37.661M
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	76.92M	77.241M	77M2D1D	76.92M	77.241M
802.11ax HEW80_Nss1,(MCS0)_2TX	77.28M	77.121M	77M1D1D	76.92M	77.121M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
5180MHz	Pass	Inf			19.02M	16.402M
5200MHz	Pass	Inf			19.14M	16.372M
5240MHz	Pass	Inf			19.11M	16.372M
5745MHz	Pass	500k			16.29M	16.492M
5785MHz	Pass	500k			16.02M	24.378M
5825MHz	Pass	500k			16.02M	17.121M
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.08M	16.372M	19.32M	16.402M
5200MHz	Pass	Inf	19.2M	16.402M	19.23M	16.402M
5240MHz	Pass	Inf	19.29M	16.372M	19.23M	16.402M
5745MHz	Pass	500k	16.05M	16.492M	16.32M	16.462M
5785MHz	Pass	500k	16.32M	16.672M	16.26M	16.462M
5825MHz	Pass	500k	16.05M	16.762M	15.9M	16.612M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5180MHz	Pass	Inf			20.67M	17.571M
5200MHz	Pass	Inf			20.7M	17.601M
5240MHz	Pass	Inf			20.61M	17.571M
5745MHz	Pass	500k			17.55M	17.721M
5785MHz	Pass	500k			17.52M	24.018M
5825MHz	Pass	500k			17.52M	30.645M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.64M	17.601M	20.43M	17.571M
5200MHz	Pass	Inf	20.88M	17.601M	20.52M	17.571M
5240MHz	Pass	Inf	20.79M	17.631M	20.67M	17.571M
5745MHz	Pass	500k	17.58M	17.691M	17.25M	17.601M
5785MHz	Pass	500k	17.55M	17.691M	17.28M	17.601M
5825MHz	Pass	500k	17.55M	17.661M	17.22M	17.631M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5190MHz	Pass	Inf			40.2M	36.042M
5230MHz	Pass	Inf			40.32M	36.042M
5755MHz	Pass	500k			35.7M	36.102M
5795MHz	Pass	500k			36.36M	36.102M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.5M	36.042M	40.92M	36.042M
5230MHz	Pass	Inf	40.8M	36.102M	40.38M	36.042M
5755MHz	Pass	500k	36.3M	36.042M	36.3M	36.042M
5795MHz	Pass	500k	35.7M	36.042M	36.3M	36.102M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5210MHz	Pass	Inf			82.08M	75.562M
5775MHz	Pass	500k			75.12M	75.442M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.08M	75.322M	81.24M	75.322M
5775MHz	Pass	500k	75.36M	75.322M	75.48M	75.442M

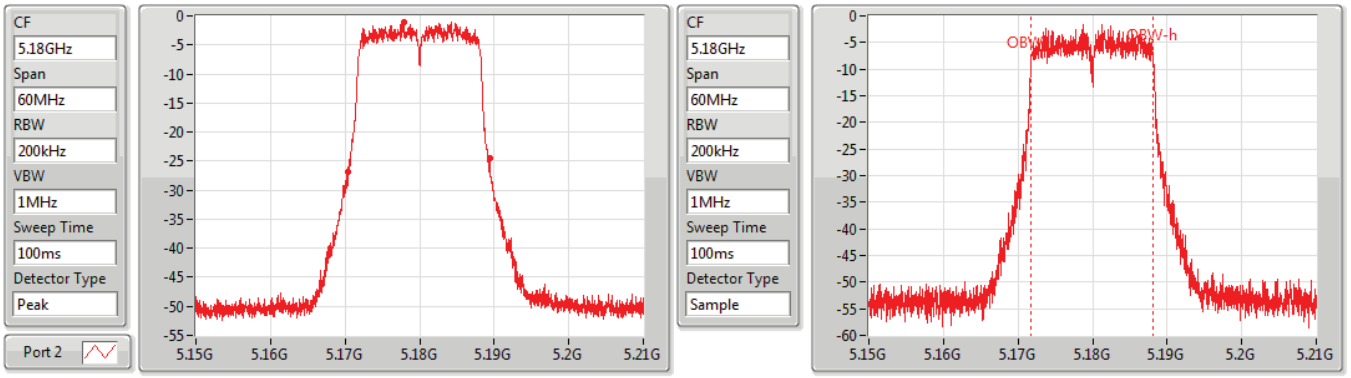
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5180MHz	Pass	Inf			21.42M	18.921M
5200MHz	Pass	Inf			21.39M	18.921M
5240MHz	Pass	Inf			21.75M	18.921M
5745MHz	Pass	500k			18.84M	18.981M
5785MHz	Pass	500k			18.51M	20.39M
5825MHz	Pass	500k			18.75M	31.724M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.24M	18.921M	21.6M	18.891M
5200MHz	Pass	Inf	21.54M	18.891M	21.18M	18.921M
5240MHz	Pass	Inf	21.66M	18.951M	21.33M	18.891M
5745MHz	Pass	500k	18.96M	18.921M	18.9M	18.921M
5785MHz	Pass	500k	18.93M	19.01M	18.69M	18.981M
5825MHz	Pass	500k	18.69M	18.951M	18.54M	18.921M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5190MHz	Pass	Inf			41.28M	37.661M
5230MHz	Pass	Inf			41.28M	37.721M
5755MHz	Pass	500k			37.8M	37.661M
5795MHz	Pass	500k			37.8M	37.781M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.1M	37.781M	41.22M	37.781M
5230MHz	Pass	Inf	40.98M	37.721M	41.04M	37.721M
5755MHz	Pass	500k	37.92M	37.661M	37.92M	37.721M
5795MHz	Pass	500k	37.98M	37.721M	37.68M	37.781M
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5210MHz	Pass	Inf			82.44M	77.241M
5775MHz	Pass	500k			76.92M	77.241M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.68M	77.001M	82.08M	77.121M
5775MHz	Pass	500k	76.92M	77.121M	77.28M	77.121M

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)_1TX(Port2) EBW

5180MHz

22/08/2019

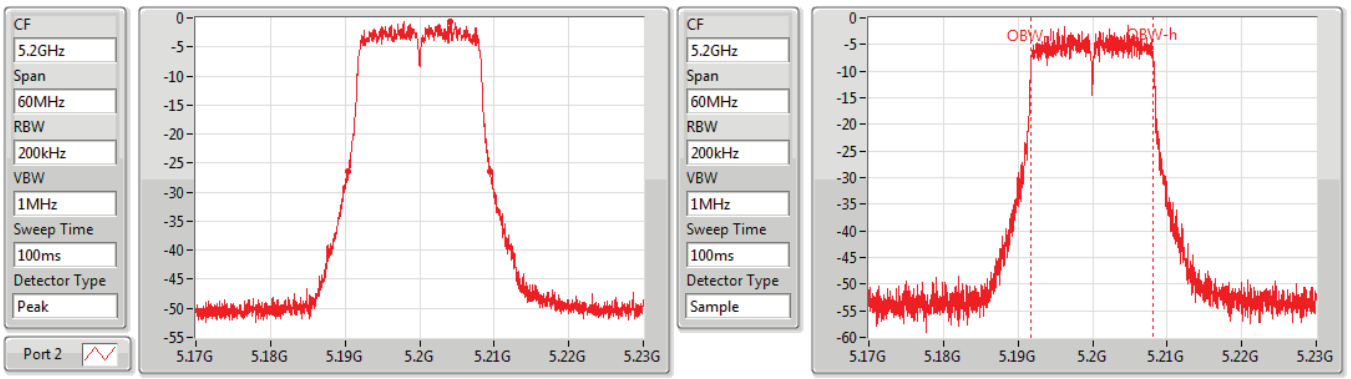


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.02M	5.17034G	5.18936G	16.402M	5.171754G	5.188156G	Inf	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5200MHz

22/08/2019

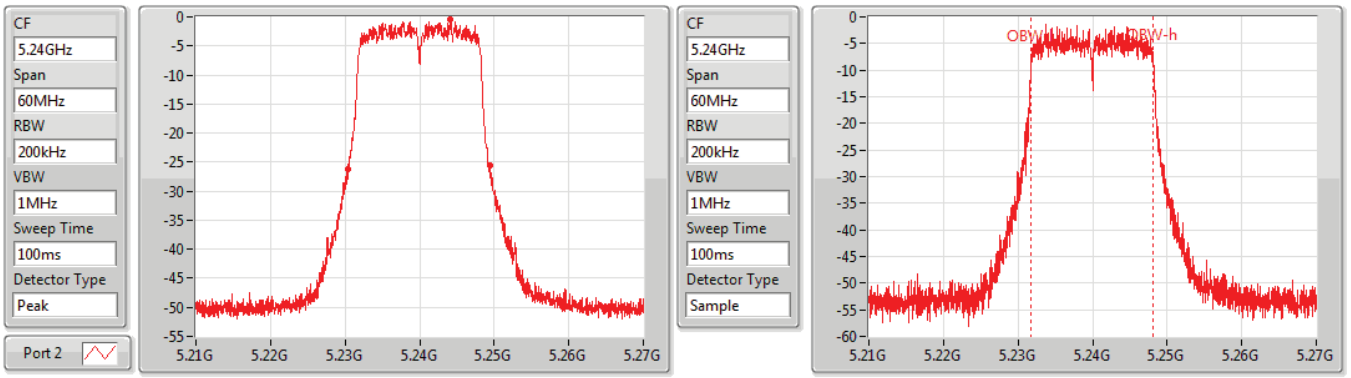


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.14M	5.19031G	5.20945G	16.372M	5.191784G	5.208156G	Inf	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5240MHz

22/08/2019

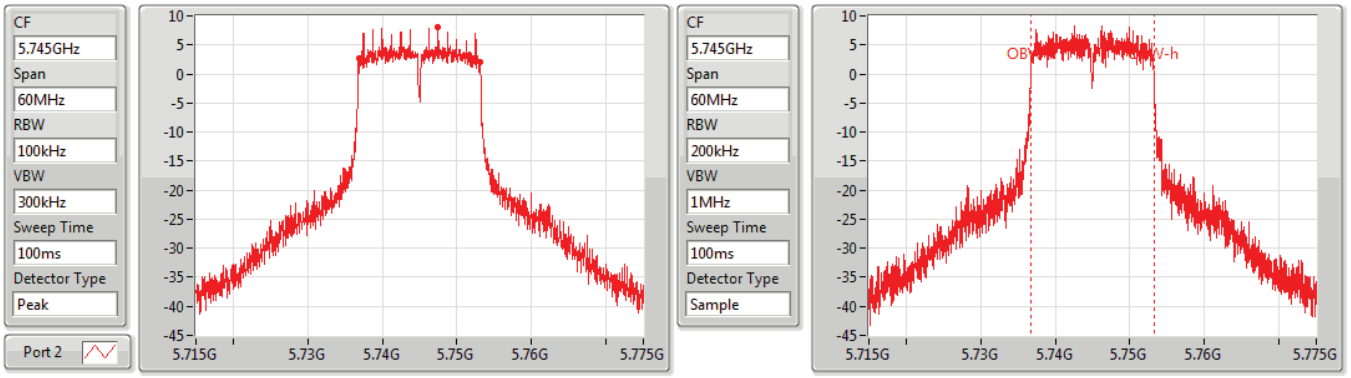


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.11M	5.23031G	5.24942G	16.372M	5.231784G	5.248156G	Inf	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5745MHz

14/08/2019

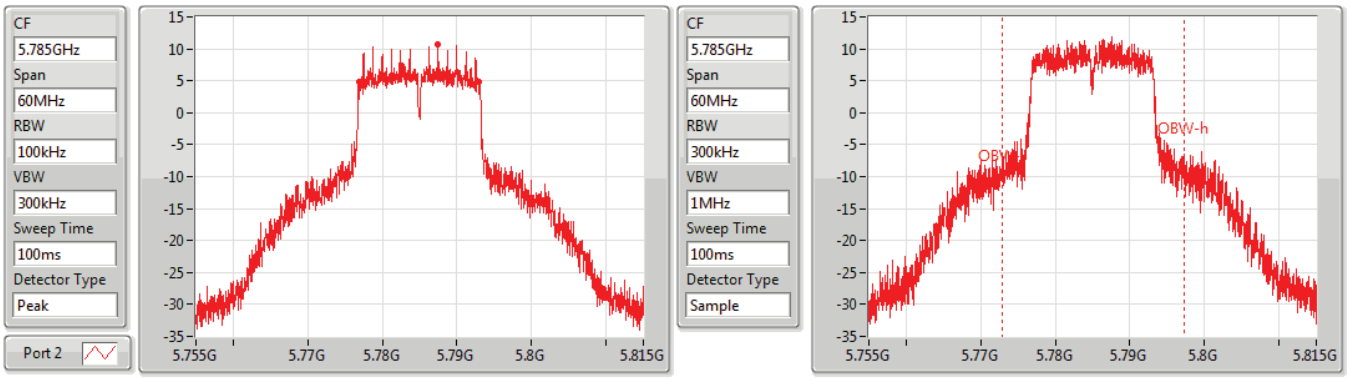


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.73684G	5.75313G	16.492M	5.736724G	5.753216G	500k	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5785MHz

14/08/2019

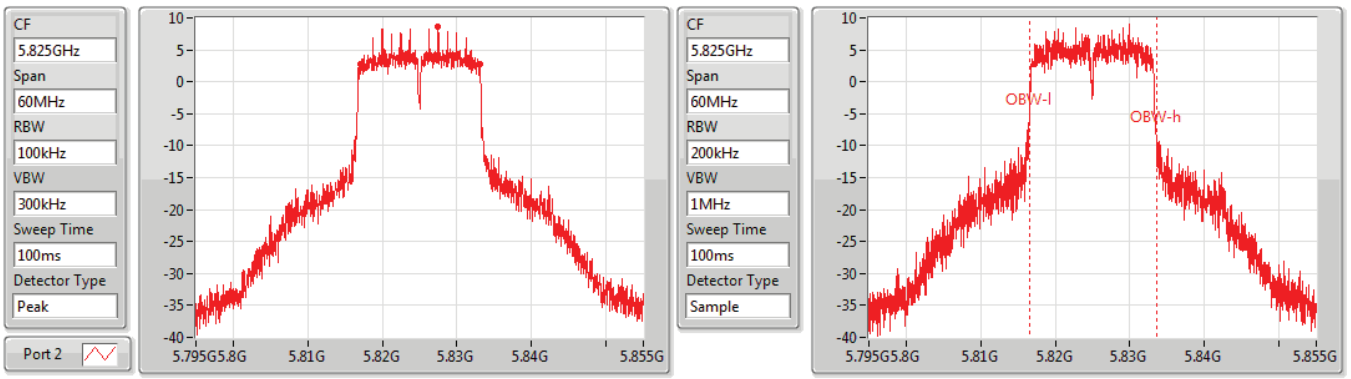


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.02M	5.77684G	5.79286G	24.378M	5.772946G	5.797324G	500k	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5825MHz

14/08/2019

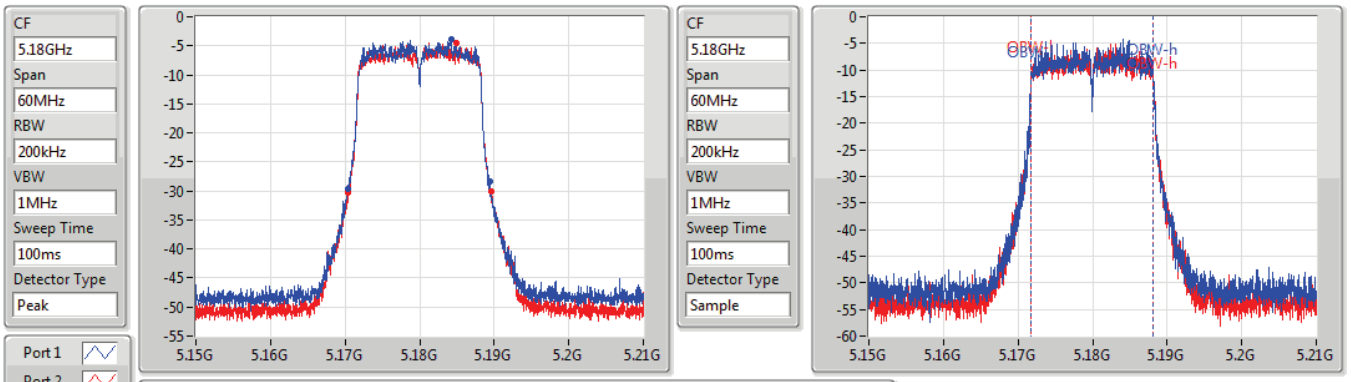


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.02M	5.81708G	5.8331G	17.121M	5.816514G	5.833636G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

22/08/2019

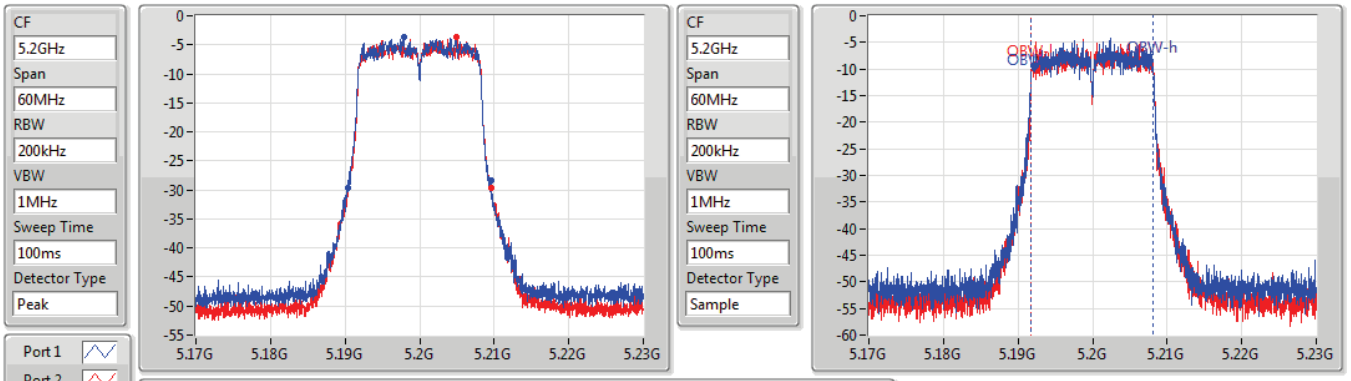


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.08M	5.17031G	5.18939G	16.372M	5.171784G	5.188156G	Inf	1
19.32M	5.17031G	5.18963G	16.402M	5.171784G	5.188186G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

22/08/2019

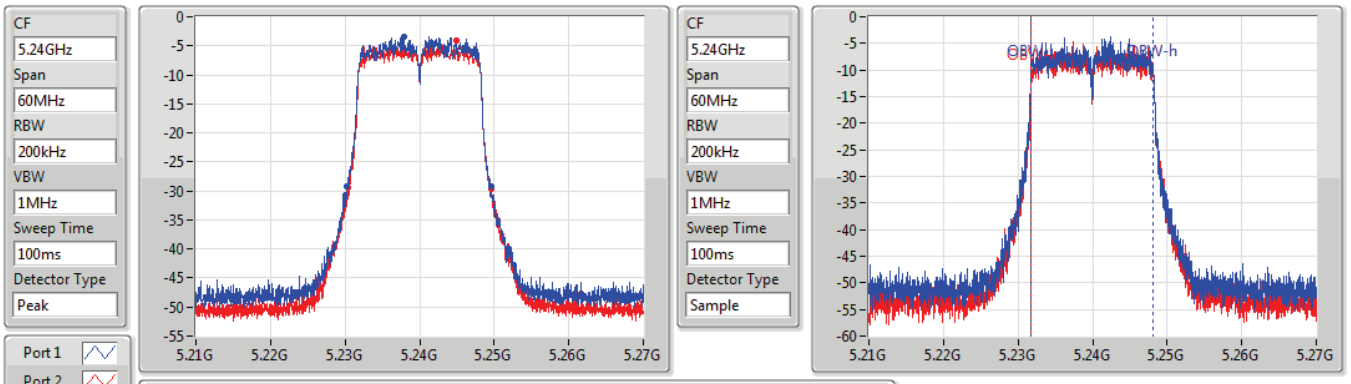


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.2M	5.19034G	5.20954G	16.402M	5.191754G	5.208156G	Inf	1
19.23M	5.19037G	5.2096G	16.402M	5.191784G	5.208186G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

22/08/2019

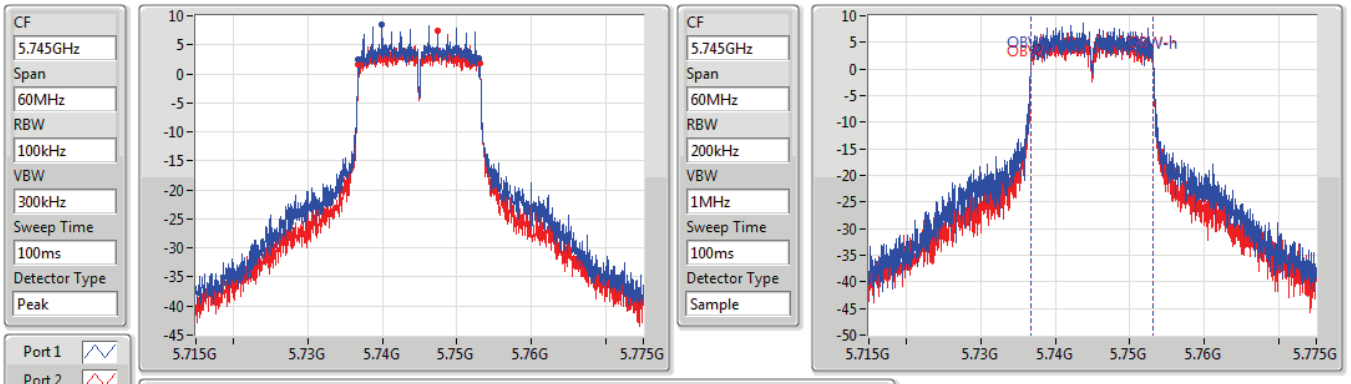


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.29M	5.23028G	5.24957G	16.372M	5.231784G	5.248156G	Inf	1
19.23M	5.23034G	5.24957G	16.402M	5.231784G	5.248186G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

14/08/2019

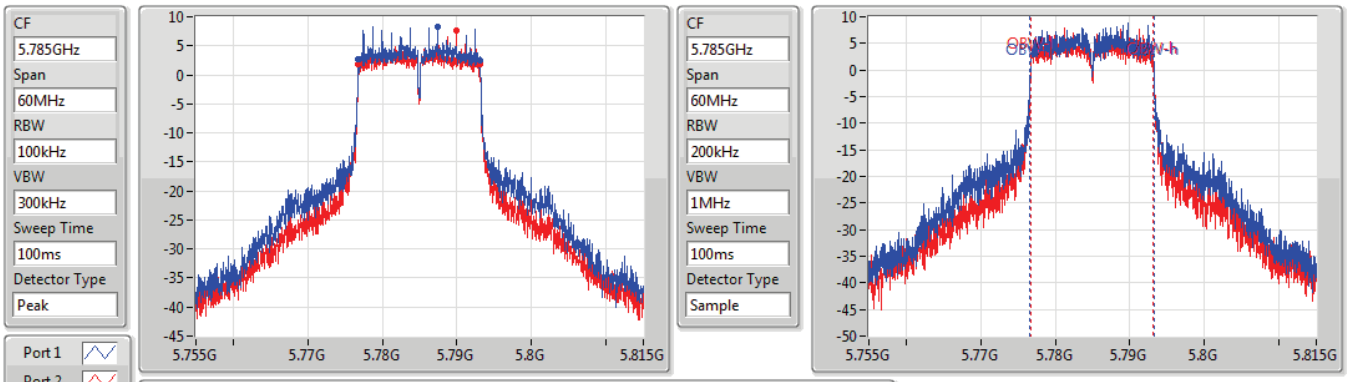


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	5.73681G	5.75286G	16.492M	5.736694G	5.753186G	500k	1
16.32M	5.73681G	5.75313G	16.462M	5.736724G	5.753186G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

14/08/2019

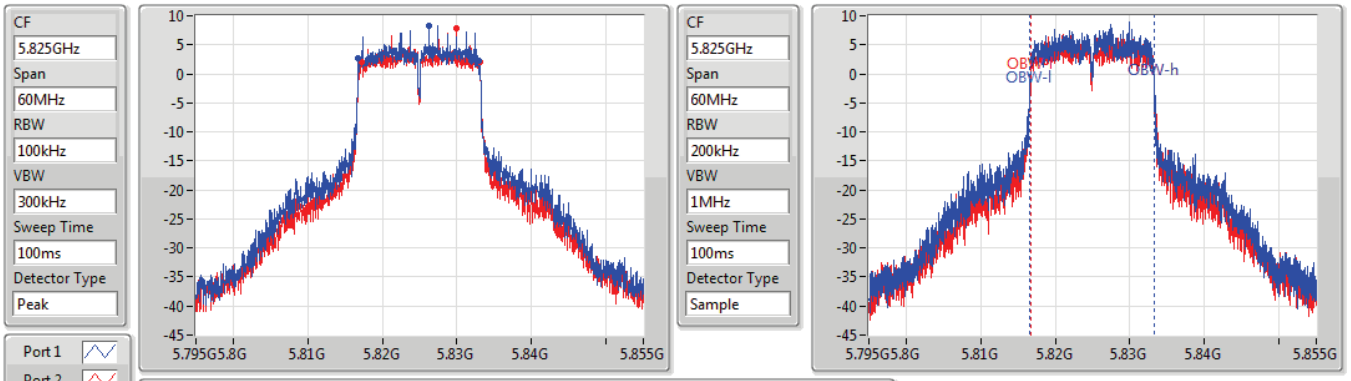


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.77681G	5.79313G	16.672M	5.776634G	5.793306G	500k	1
16.26M	5.77681G	5.79307G	16.462M	5.776724G	5.793186G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

14/08/2019

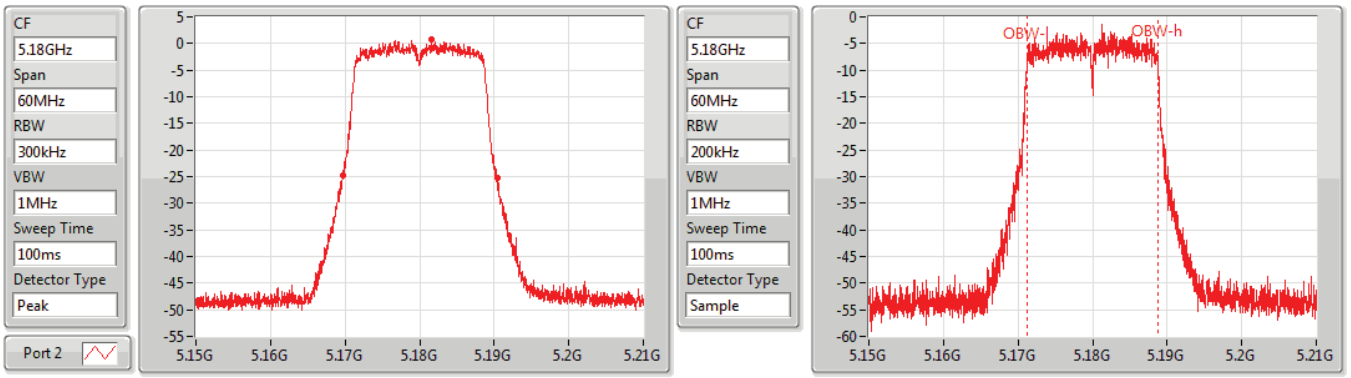


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	5.81681G	5.83286G	16.762M	5.816574G	5.833336G	500k	1
15.9M	5.81717G	5.83307G	16.612M	5.816664G	5.833276G	500k	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5180MHz

22/08/2019

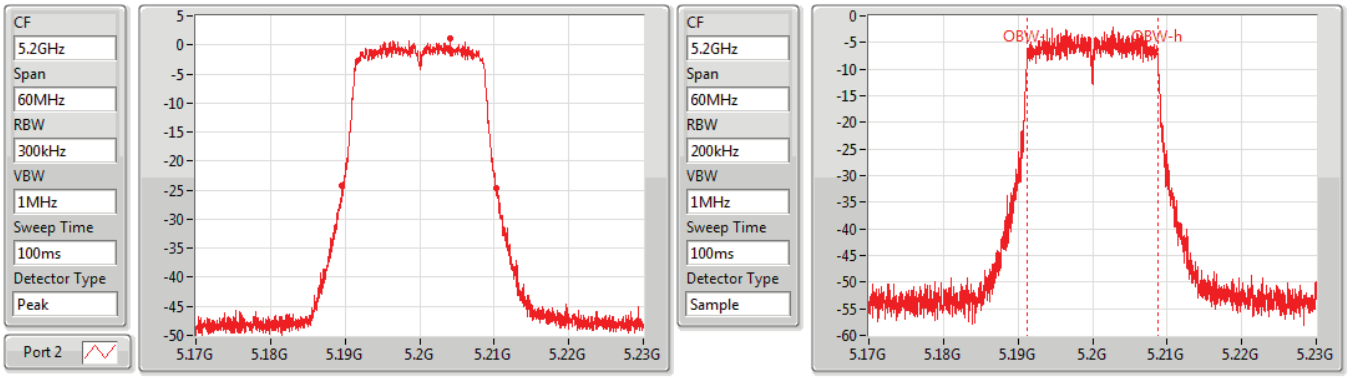


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.67M	5.16974G	5.19041G	17.571M	5.171184G	5.188756G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5200MHz

22/08/2019

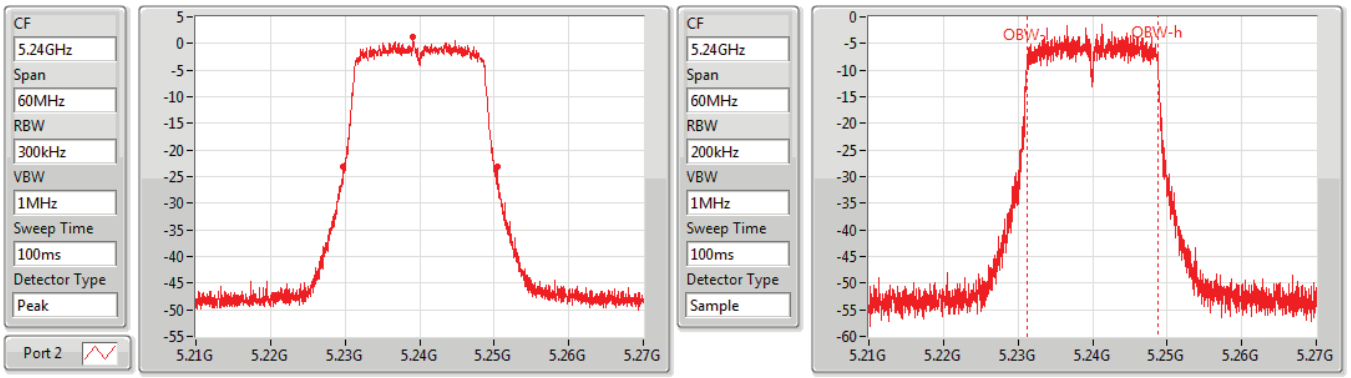


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.7M	5.18962G	5.21032G	17.601M	5.191184G	5.208786G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5240MHz

22/08/2019

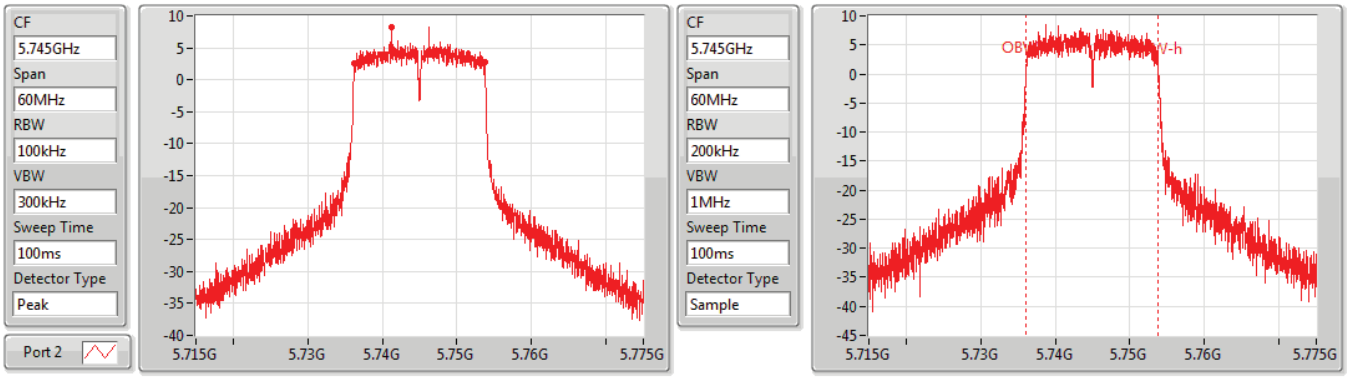


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.61M	5.22977G	5.25038G	17.571M	5.231184G	5.248756G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5745MHz

14/08/2019

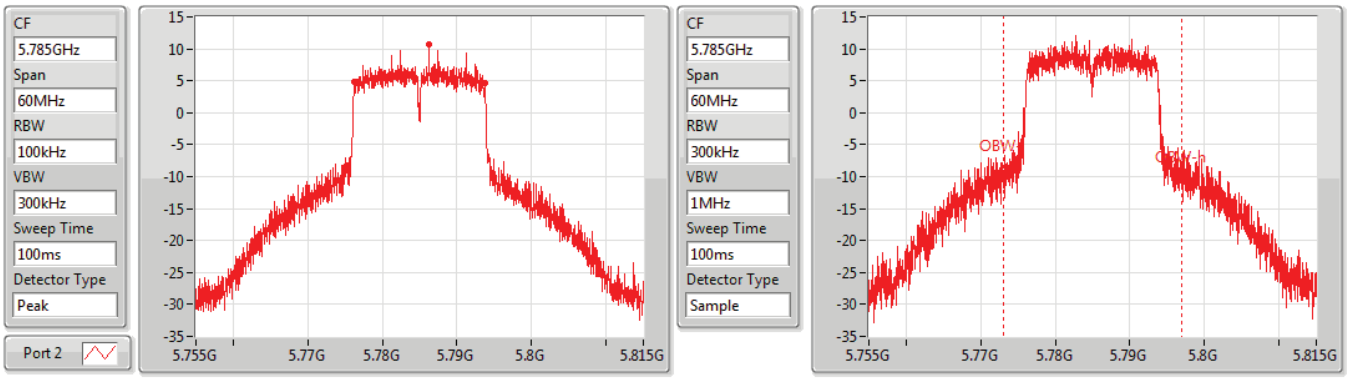


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.73621G	5.75376G	17.721M	5.736094G	5.753816G	500k	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5785MHz

14/08/2019

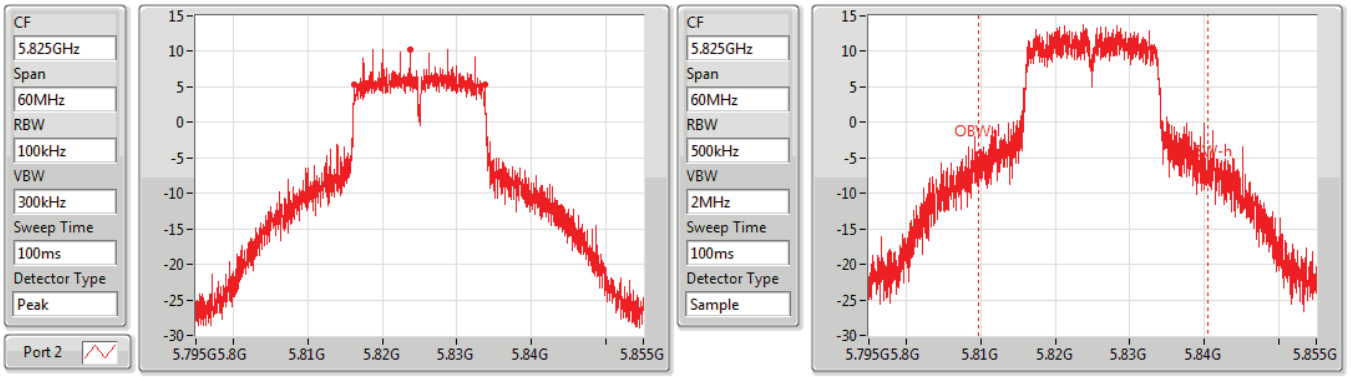


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.77621G	5.79373G	24.018M	5.772976G	5.796994G	500k	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5825MHz

14/08/2019

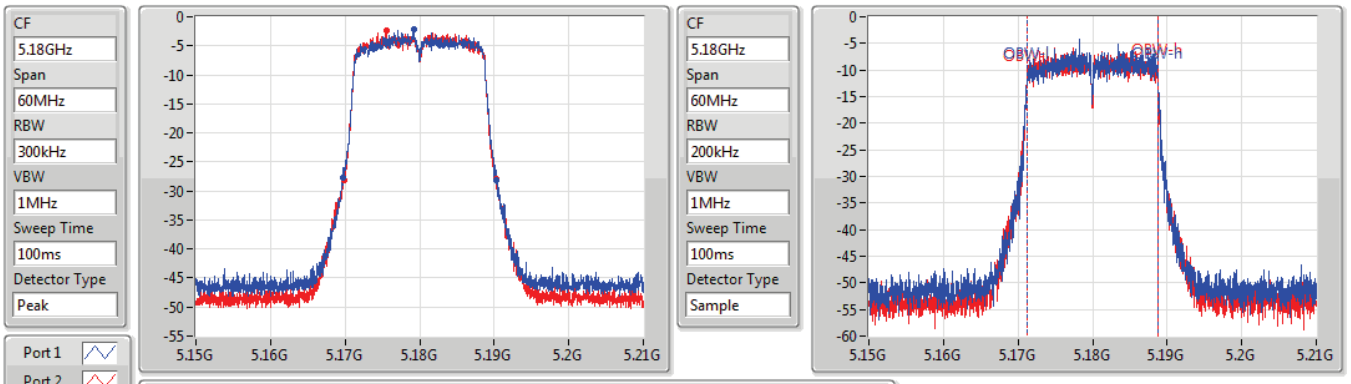


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.81621G	5.83373G	30.645M	5.809738G	5.840382G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

22/08/2019

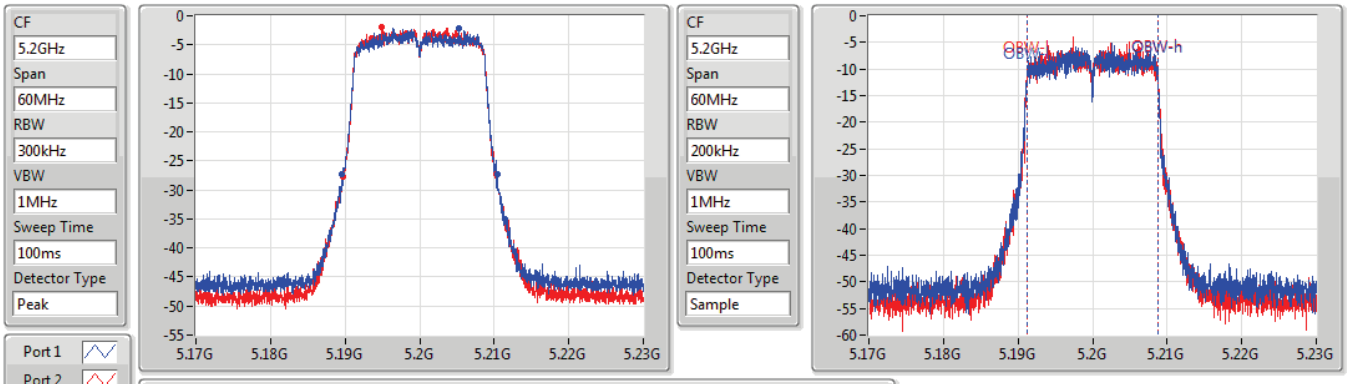


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.64M	5.16971G	5.19035G	17.601M	5.171184G	5.188786G	Inf	1
20.43M	5.16983G	5.19026G	17.571M	5.171184G	5.188756G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

22/08/2019

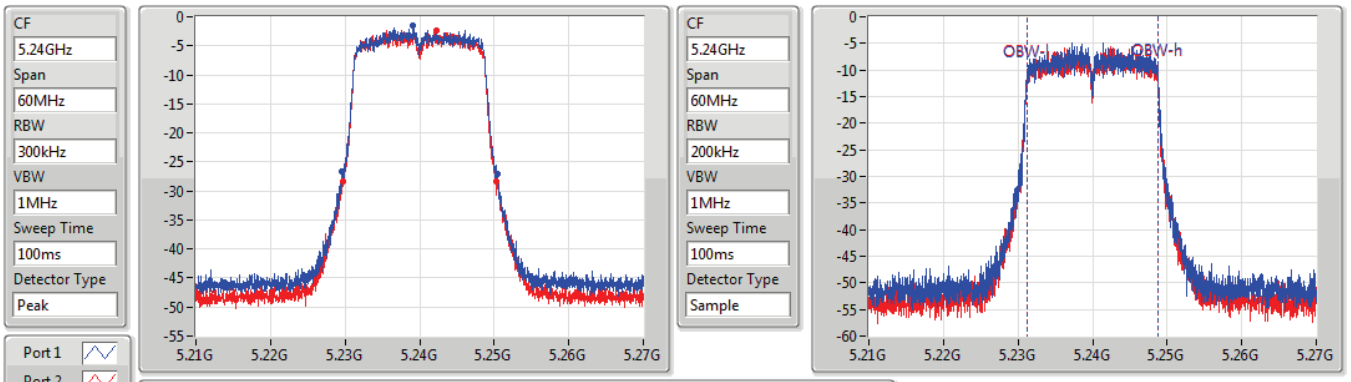


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.88M	5.18959G	5.21047G	17.601M	5.191154G	5.208756G	Inf	1
20.52M	5.18968G	5.2102G	17.571M	5.191184G	5.208756G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

22/08/2019

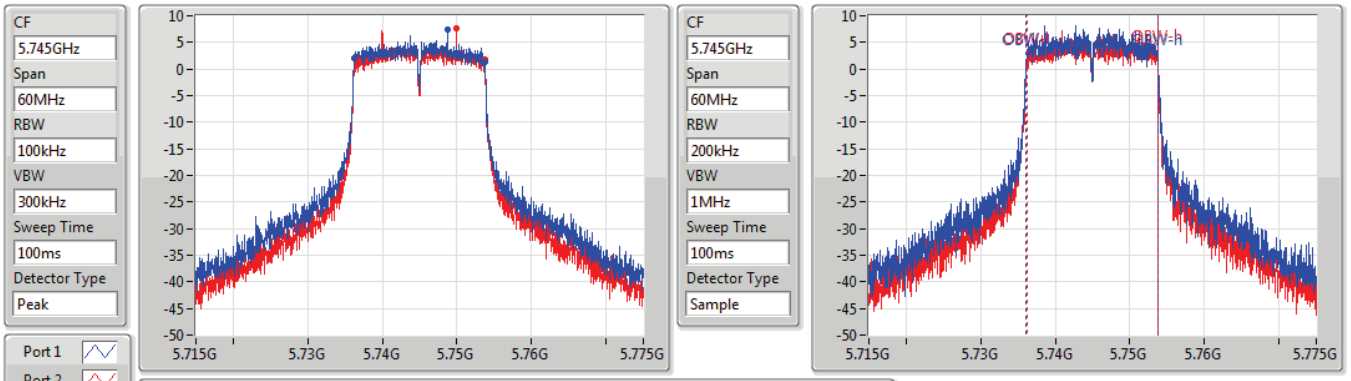


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.79M	5.22962G	5.25041G	17.631M	5.231154G	5.248786G	Inf	1
20.67M	5.22968G	5.25035G	17.571M	5.231184G	5.248756G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

14/08/2019

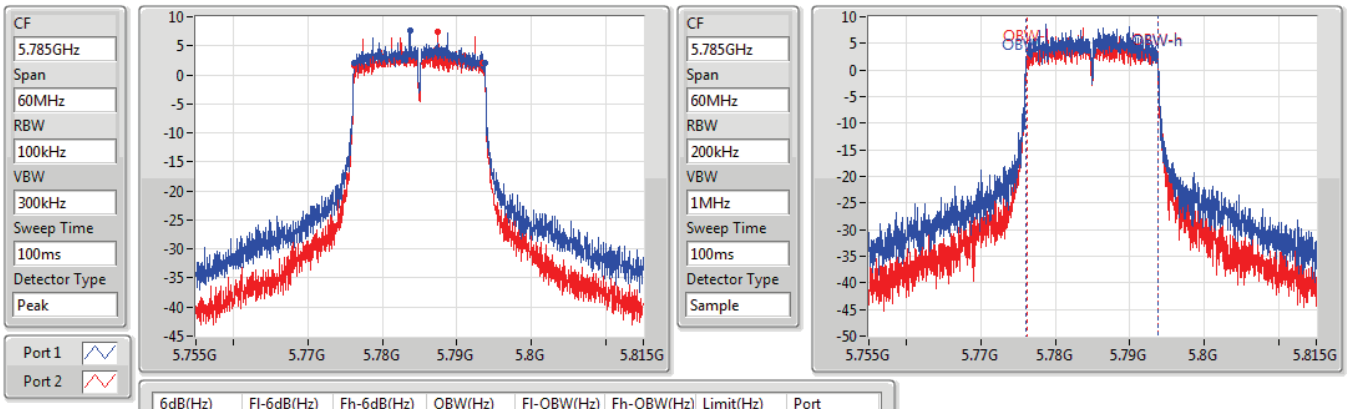


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.73618G	5.75376G	17.691M	5.736094G	5.753786G	500k	1
17.25M	5.73648G	5.75373G	17.601M	5.736154G	5.753756G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

14/08/2019

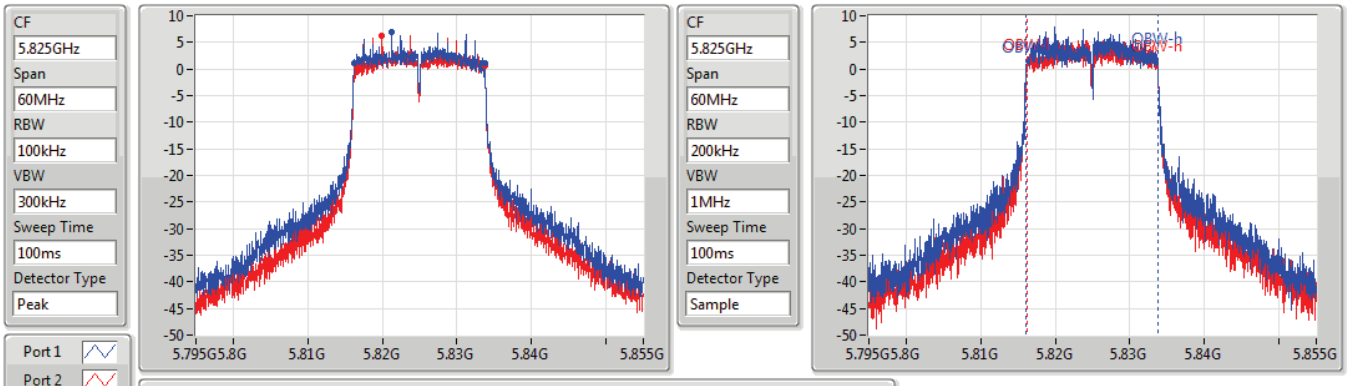


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.77618G	5.79373G	17.691M	5.776094G	5.793786G	500k	1
17.28M	5.77621G	5.79349G	17.601M	5.776154G	5.793756G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

14/08/2019

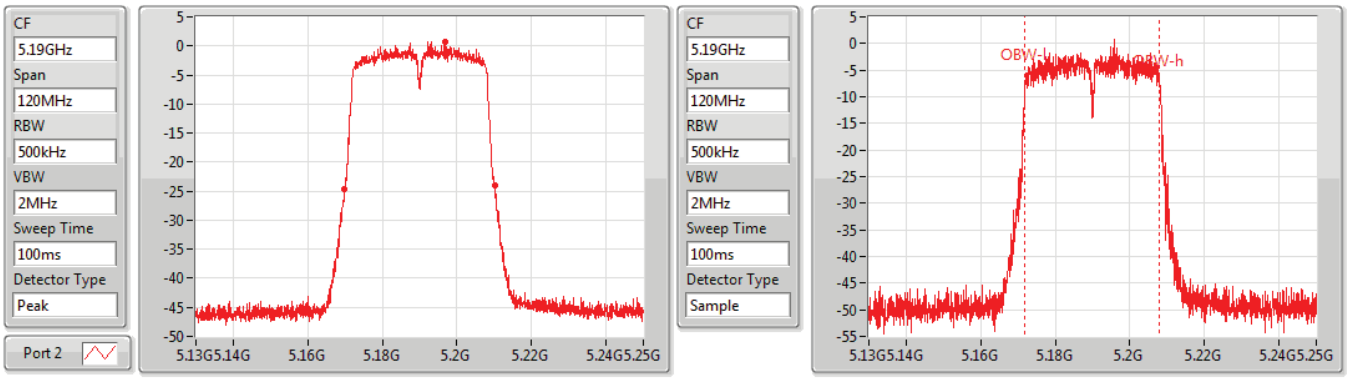


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.81618G	5.83373G	17.661M	5.816094G	5.833756G	500k	1
17.22M	5.81648G	5.8337G	17.631M	5.816154G	5.833786G	500k	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2) EBW

5190MHz

22/08/2019

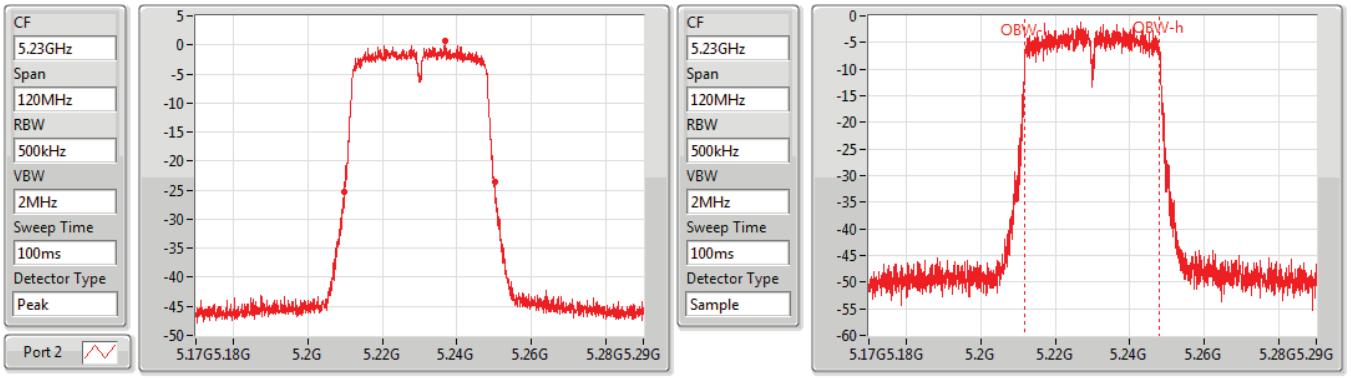


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.1699G	5.2101G	36.042M	5.171949G	5.207991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2) EBW

5230MHz

22/08/2019

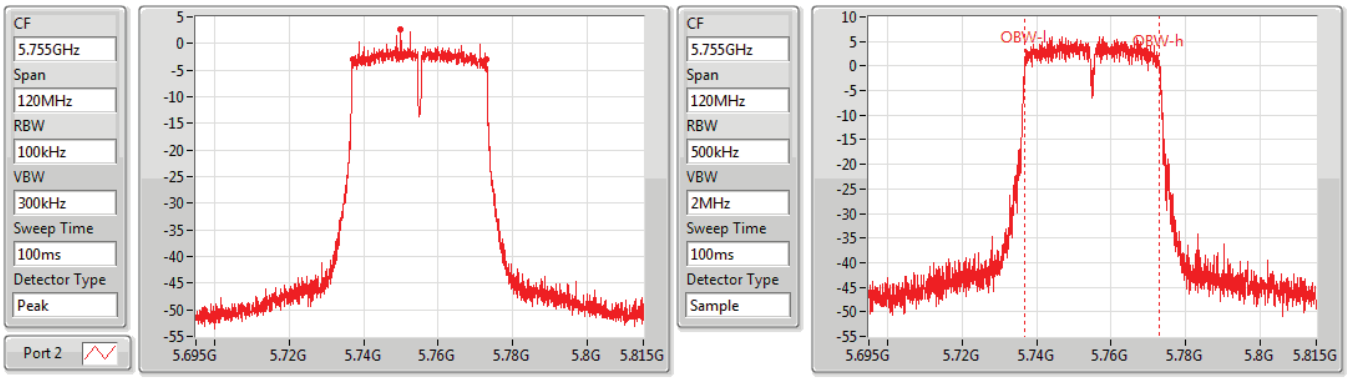


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.32M	5.20978G	5.2501G	36.042M	5.211949G	5.247991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2) EBW

5755MHz

15/08/2019

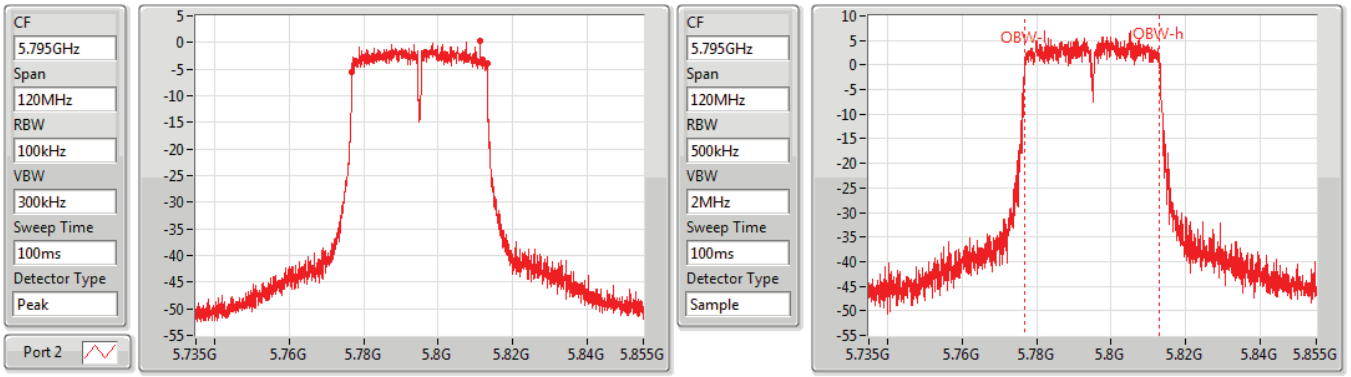


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	5.73706G	5.77276G	36.102M	5.736889G	5.772991G	500k	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2) EBW

5795MHz

15/08/2019

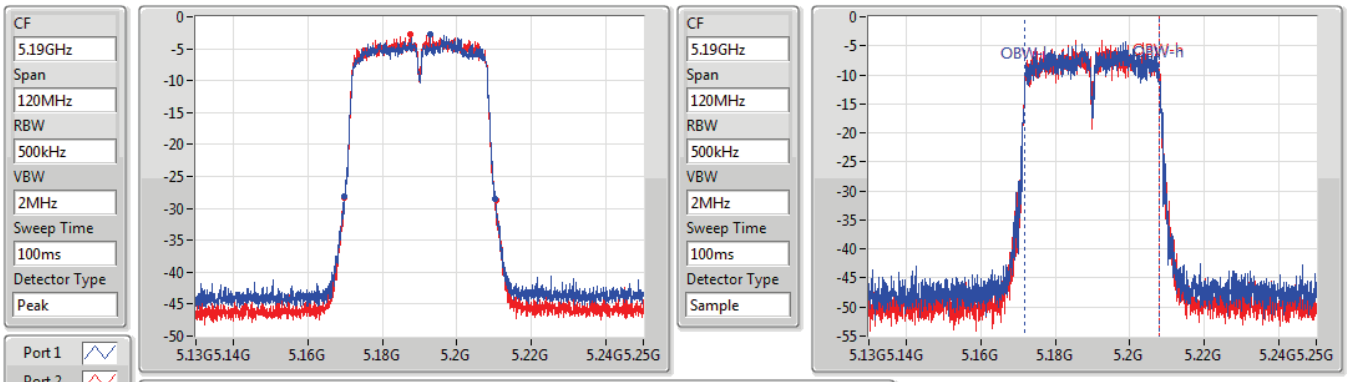


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.36M	5.77676G	5.81312G	36.102M	5.776889G	5.812991G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

22/08/2019

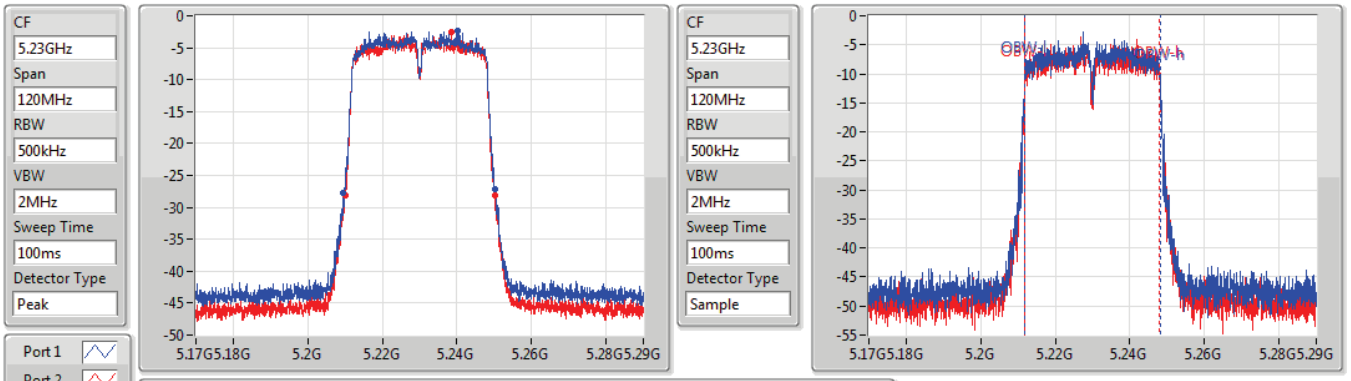


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	5.16984G	5.21034G	36.042M	5.171949G	5.207991G	Inf	1
40.92M	5.16966G	5.21058G	36.042M	5.171949G	5.207991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

22/08/2019

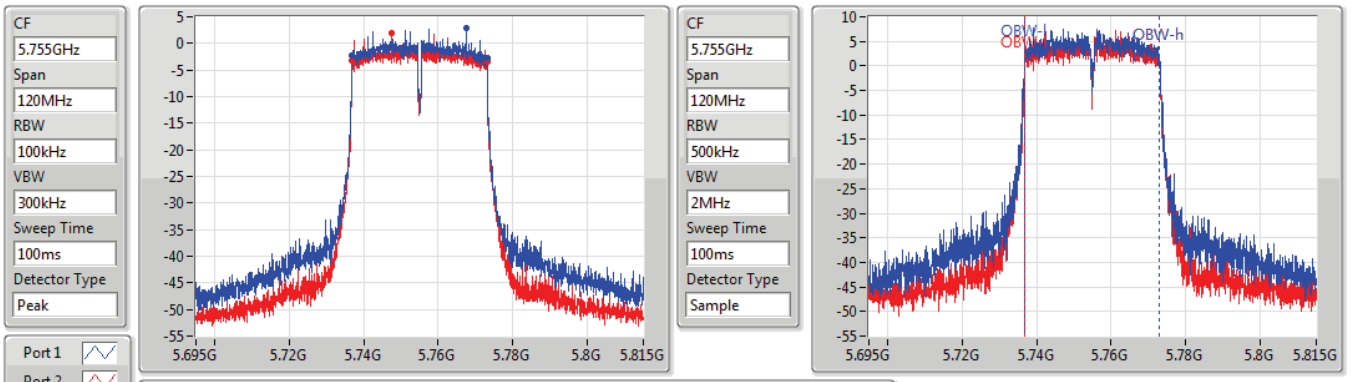


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.8M	5.20954G	5.25034G	36.102M	5.211949G	5.248051G	Inf	1
40.38M	5.20996G	5.25034G	36.042M	5.211949G	5.247991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

15/08/2019

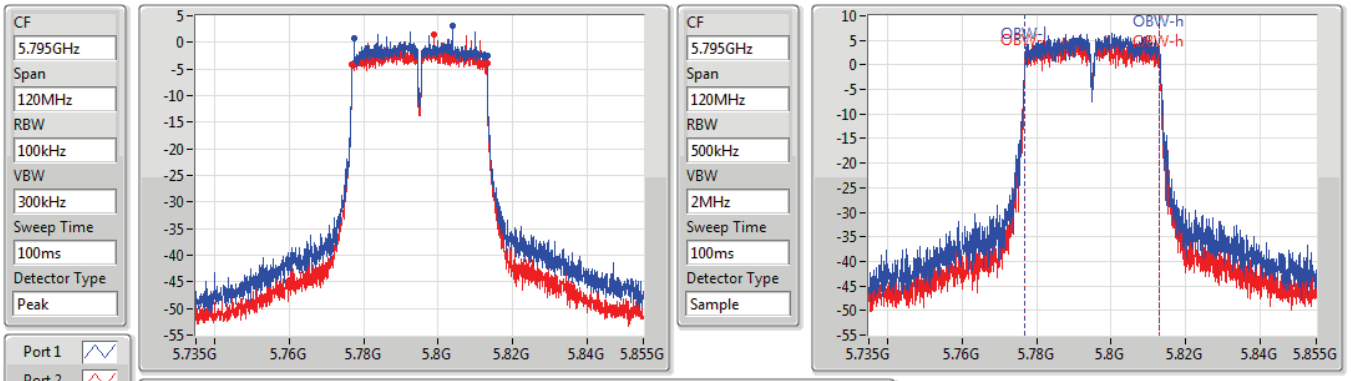


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.73682G	5.77312G	36.042M	5.736889G	5.772931G	500k	1
36.3M	5.73682G	5.77312G	36.042M	5.736889G	5.772931G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5795MHz

15/08/2019

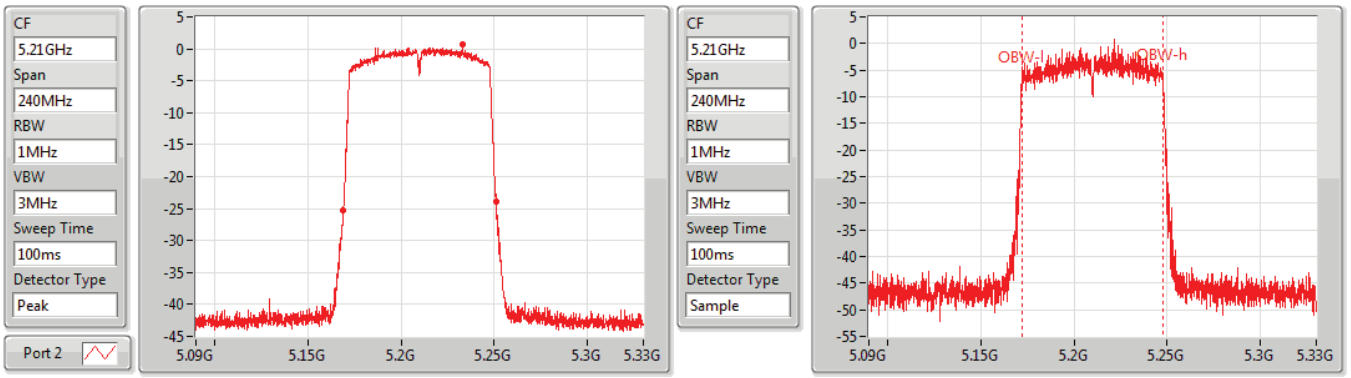


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	5.77742G	5.81312G	36.042M	5.776949G	5.812991G	500k	1
36.3M	5.77682G	5.81312G	36.102M	5.776889G	5.812991G	500k	2

802.11ac VHT80_Nss1,(MCS0)_1TX(Port2) EBW

5210MHz

22/08/2019

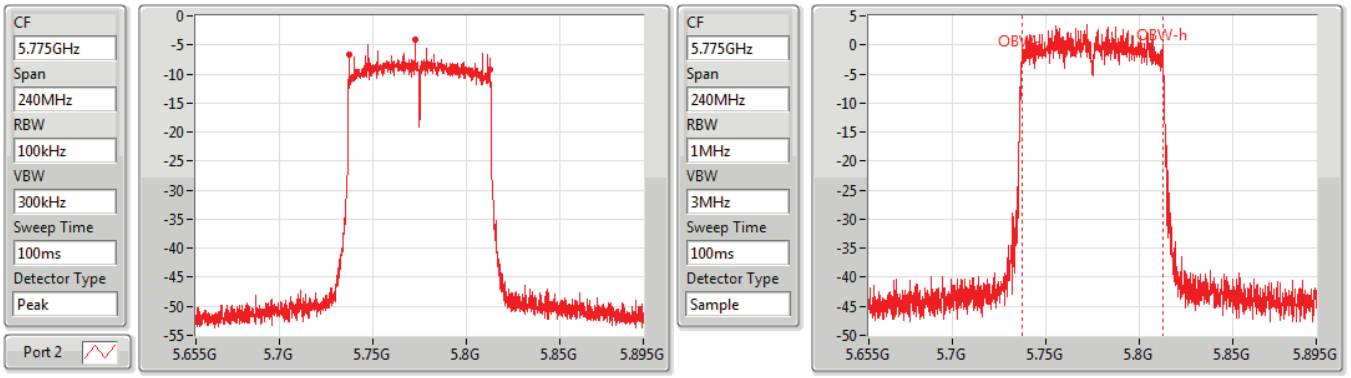


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	5.16896G	5.25104G	75.562M	5.172219G	5.247781G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_1TX(Port2) EBW

5775MHz

15/08/2019



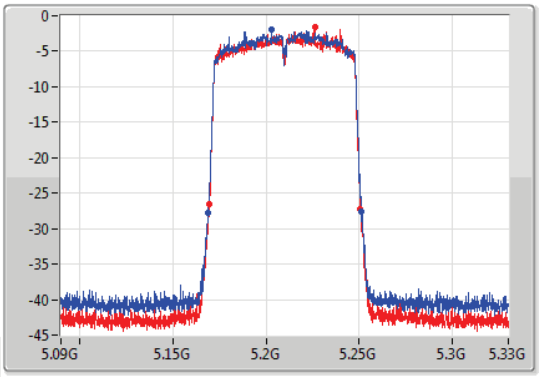
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.12M	5.73744G	5.81256G	75.442M	5.737099G	5.812541G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

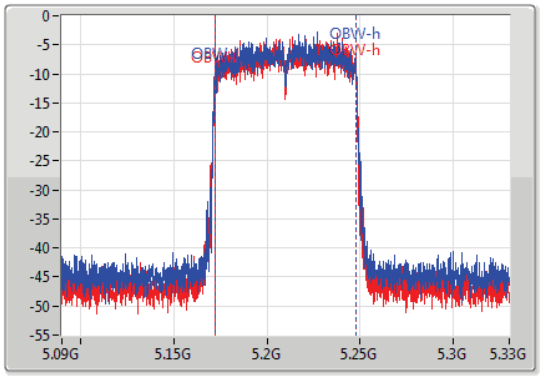
5210MHz

22/08/2019

CF	5.21GHz
Span	240MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Peak



CF	5.21GHz
Span	240MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



Port 1
Port 2

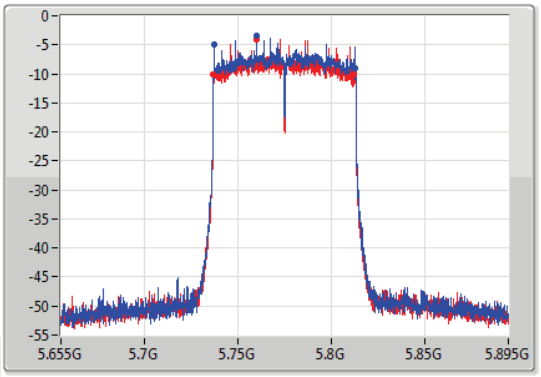
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	5.1692G	5.25128G	75.322M	5.172339G	5.247661G	Inf	1
81.24M	5.16944G	5.25068G	75.322M	5.172339G	5.247661G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

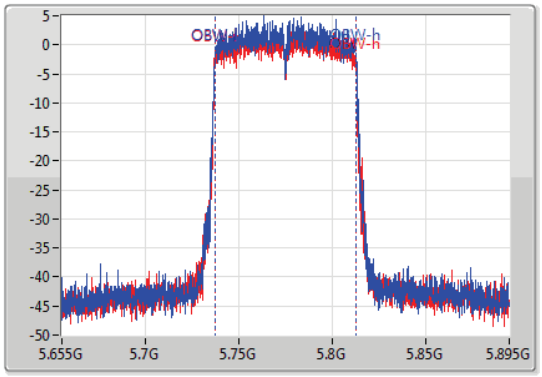
5775MHz

15/08/2019

CF	5.775GHz
Span	240MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak



CF	5.775GHz
Span	240MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



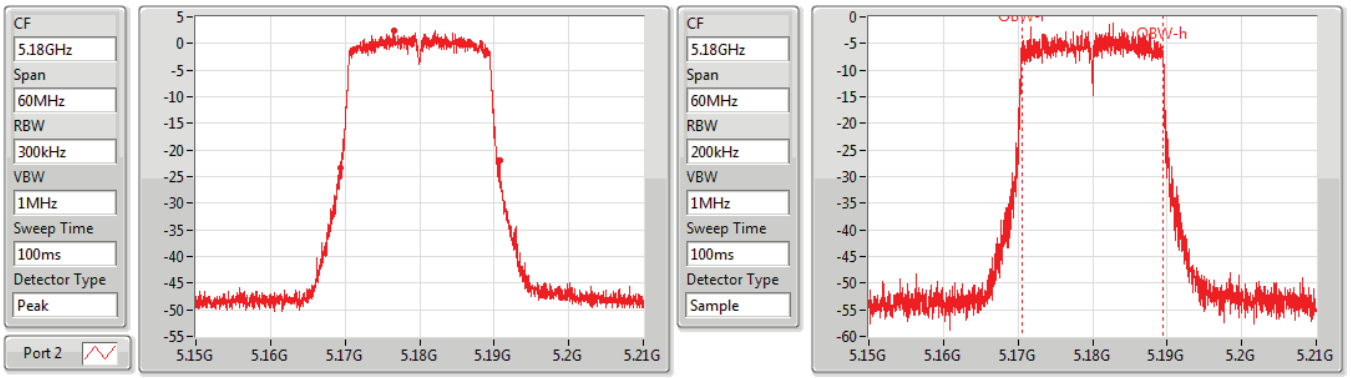
Port 1
Port 2

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.36M	5.73744G	5.8128G	75.322M	5.737339G	5.812661G	500k	1
75.48M	5.73684G	5.81232G	75.442M	5.737099G	5.812541G	500k	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5180MHz

22/08/2019

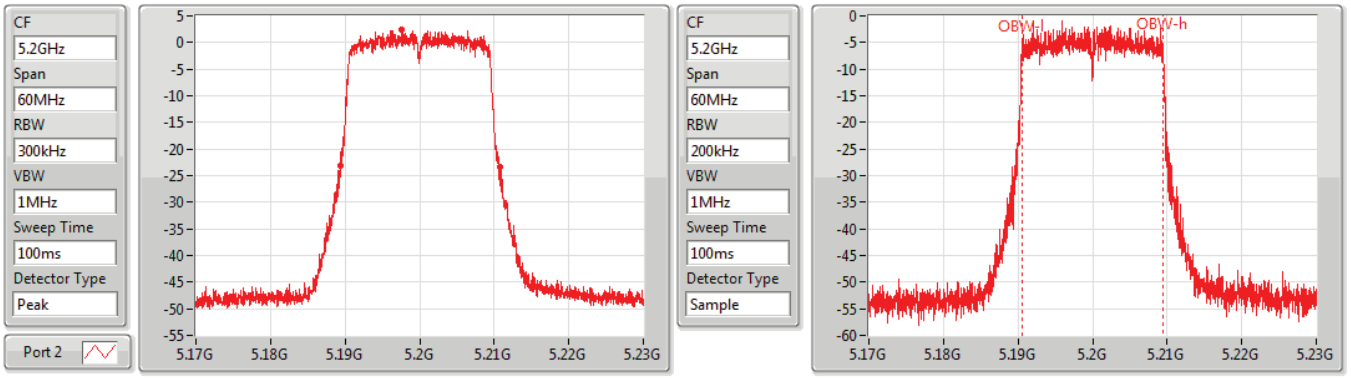


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.16932G	5.19074G	18.921M	5.170495G	5.189415G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5200MHz

22/08/2019

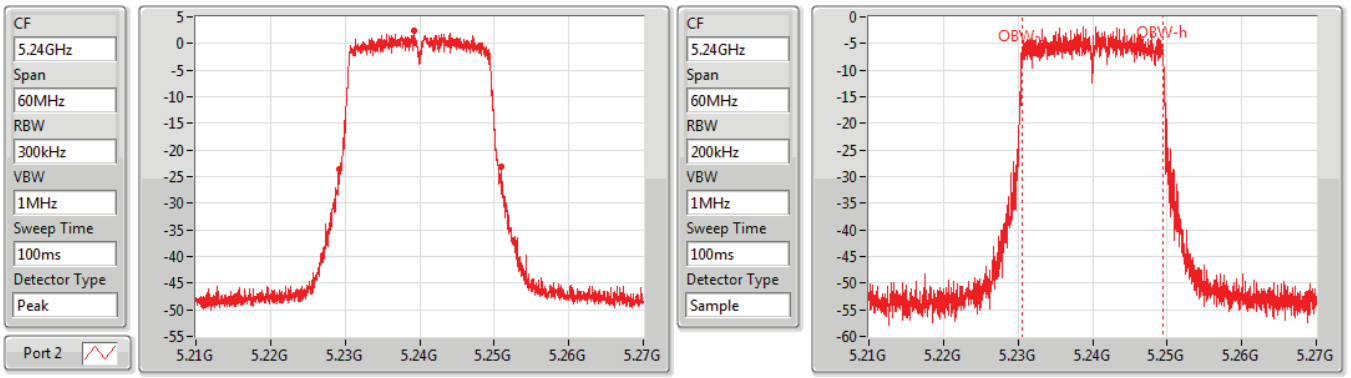


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.18941G	5.2108G	18.921M	5.190525G	5.209445G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5240MHz

22/08/2019

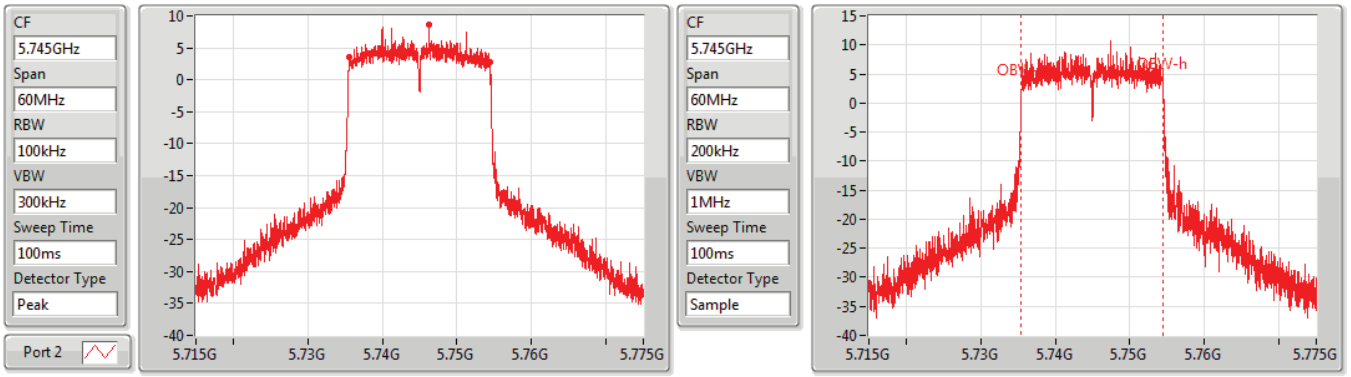


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.22914G	5.25089G	18.921M	5.230495G	5.249415G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5745MHz

14/08/2019

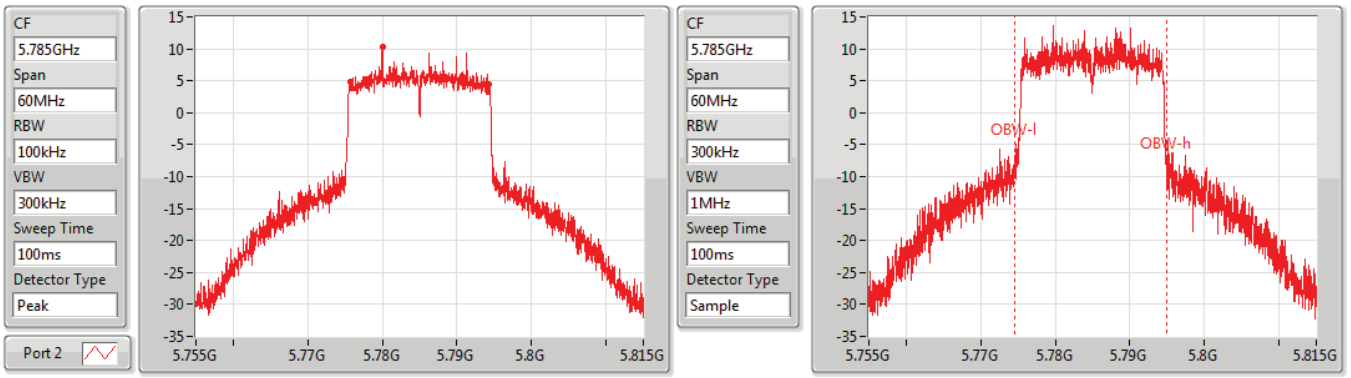


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.84M	5.73558G	5.75442G	18.981M	5.735465G	5.754445G	500k	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5785MHz

14/08/2019

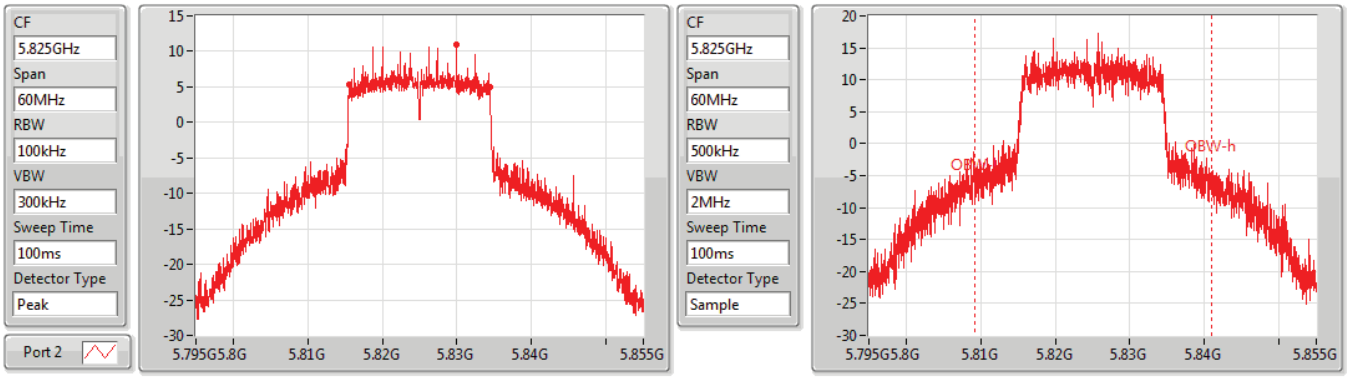


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.51M	5.77576G	5.79427G	20.39M	5.774595G	5.794985G	500k	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5825MHz

14/08/2019

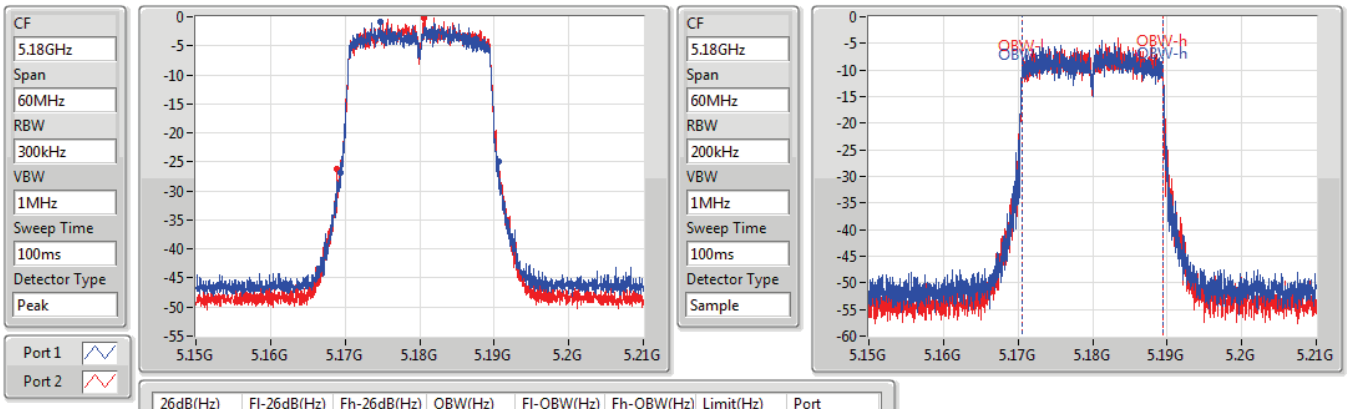


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.75M	5.81561G	5.83436G	31.724M	5.809168G	5.840892G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5180MHz

22/08/2019

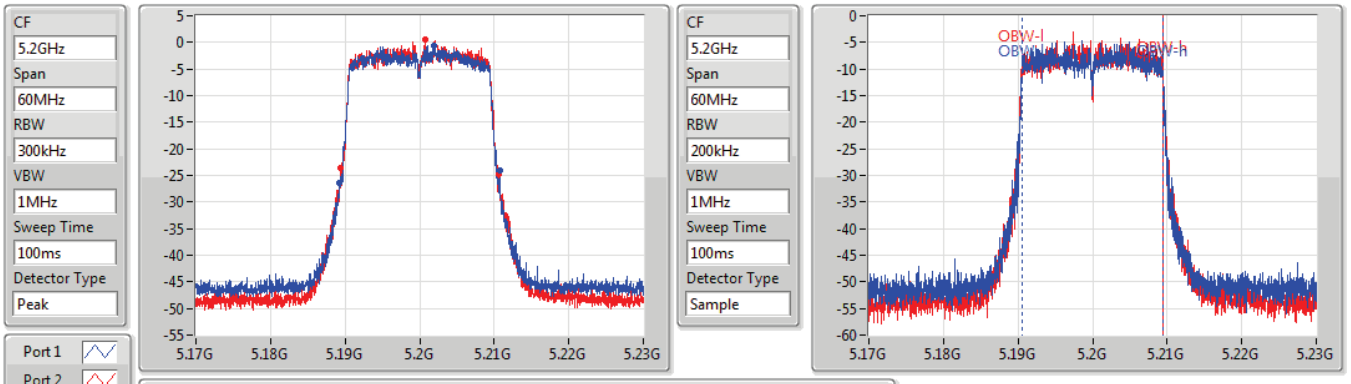


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.16938G	5.19062G	18.921M	5.170495G	5.189415G	Inf	1
21.6M	5.16896G	5.19056G	18.891M	5.170525G	5.189415G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5200MHz

22/08/2019

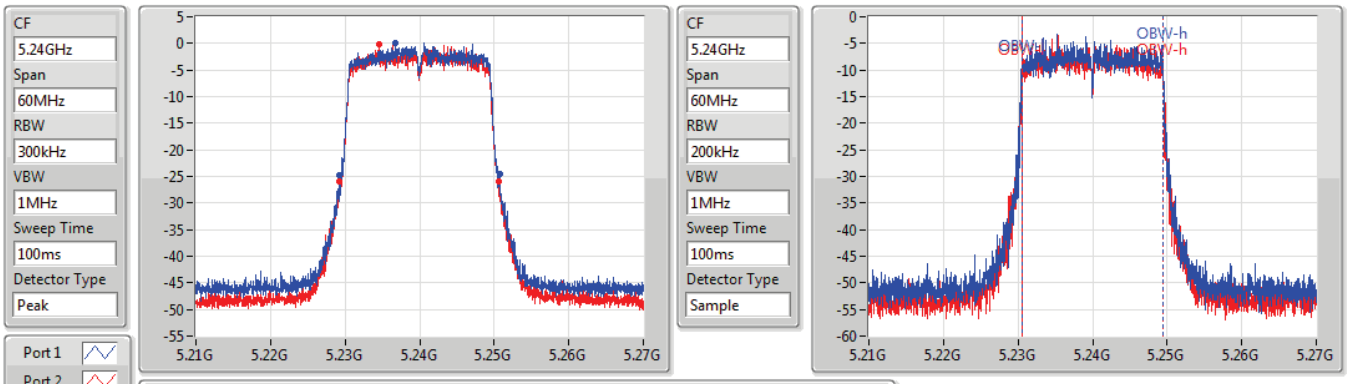


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.54M	5.18923G	5.21077G	18.891M	5.190525G	5.209415G	Inf	1
21.18M	5.18944G	5.21062G	18.921M	5.190495G	5.209415G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5240MHz

22/08/2019

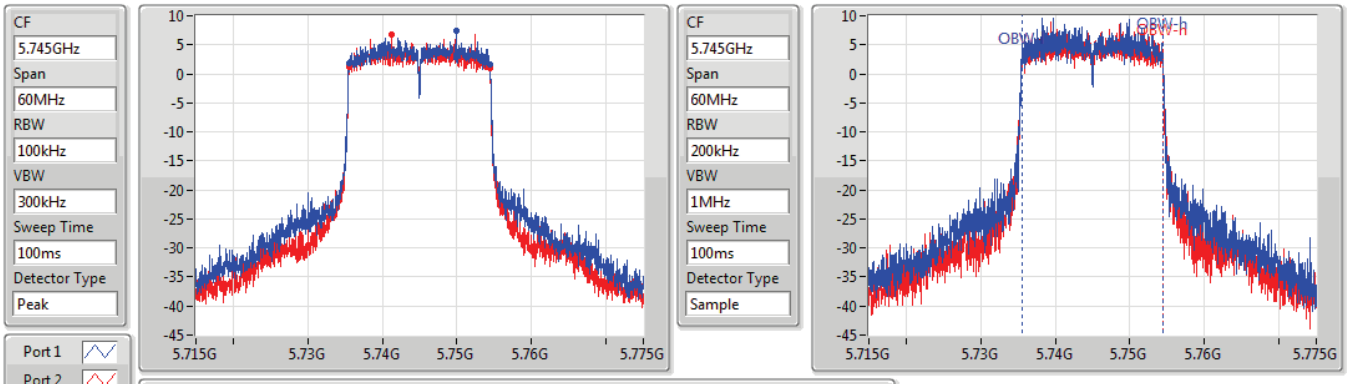


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.66M	5.22917G	5.25083G	18.951M	5.230495G	5.249445G	Inf	1
21.33M	5.22929G	5.25062G	18.891M	5.230525G	5.249415G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5745MHz

14/08/2019

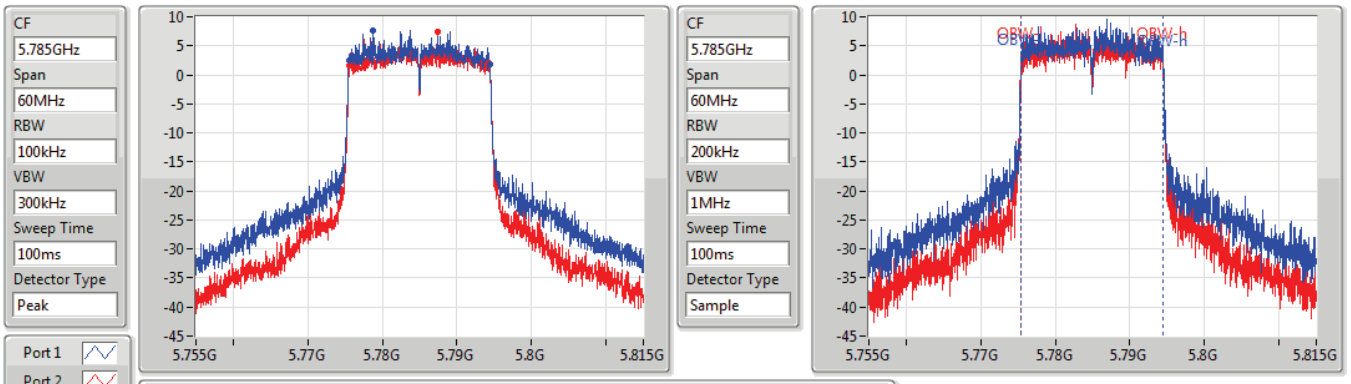


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.96M	5.73552G	5.75448G	18.921M	5.735495G	5.754415G	500k	1
18.9M	5.73552G	5.75442G	18.921M	5.735495G	5.754415G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5785MHz

14/08/2019

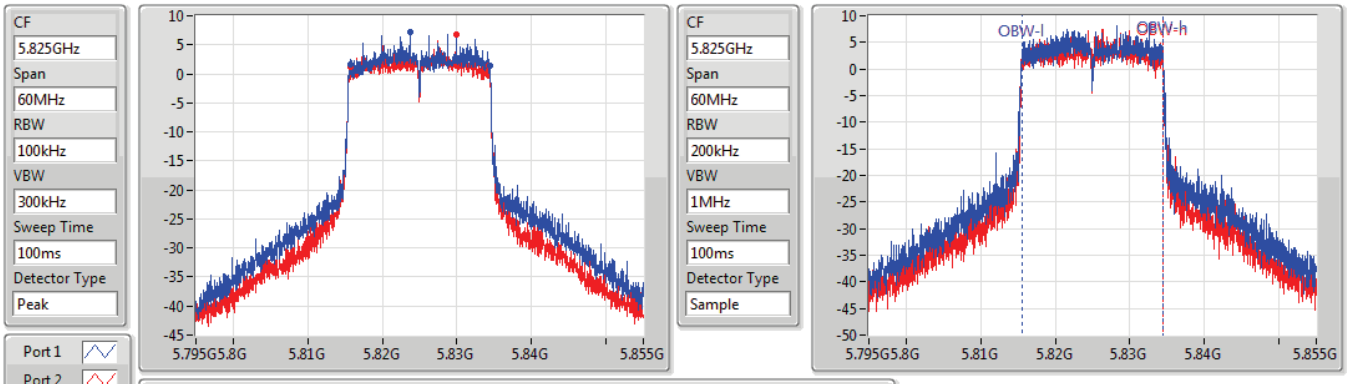


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.93M	5.77549G	5.79442G	19.01M	5.775465G	5.794475G	500k	1
18.69M	5.77561G	5.7943G	18.981M	5.775465G	5.794445G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5825MHz

14/08/2019

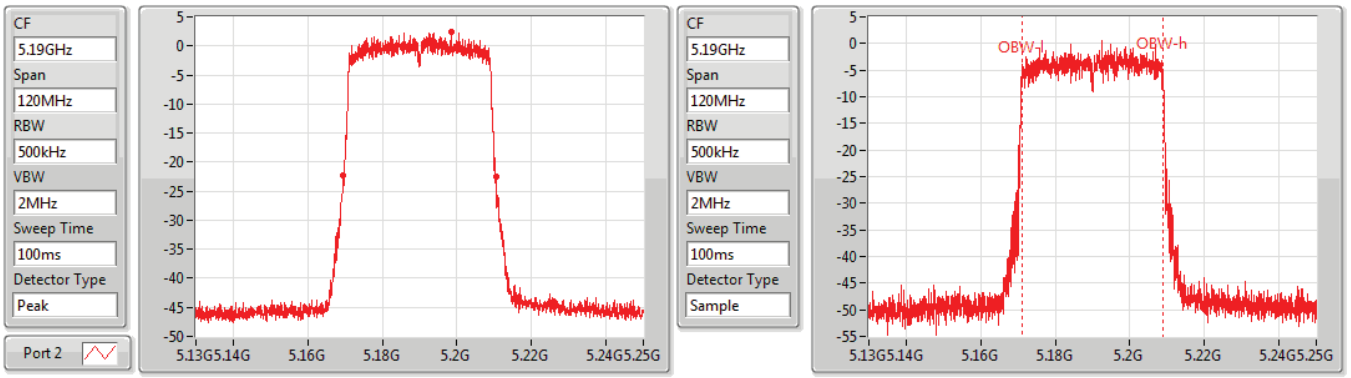


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.69M	5.8157G	5.83439G	18.951M	5.815495G	5.834445G	500k	1
18.54M	5.81573G	5.83427G	18.921M	5.815495G	5.834415G	500k	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) EBW

5190MHz

22/08/2019

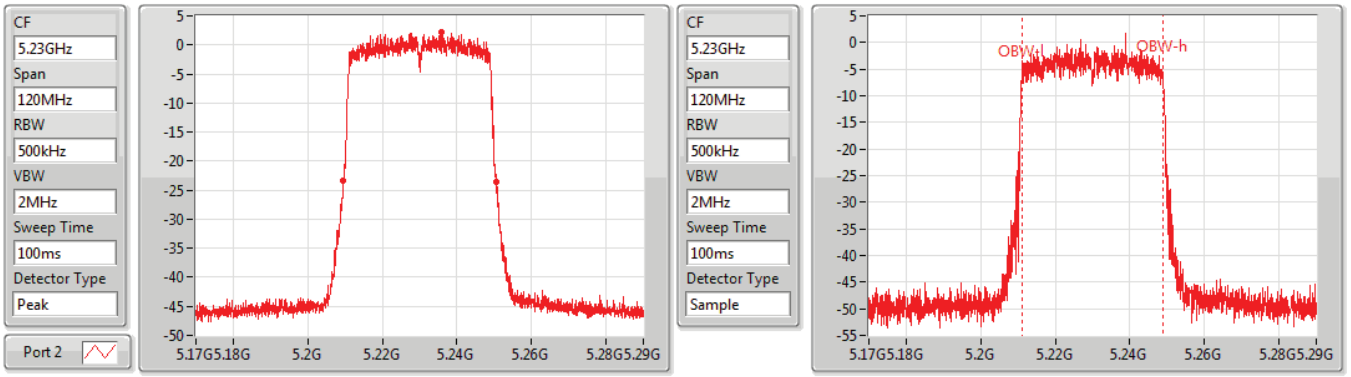


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.28M	5.16936G	5.21064G	37.661M	5.171109G	5.208771G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) EBW

5230MHz

22/08/2019

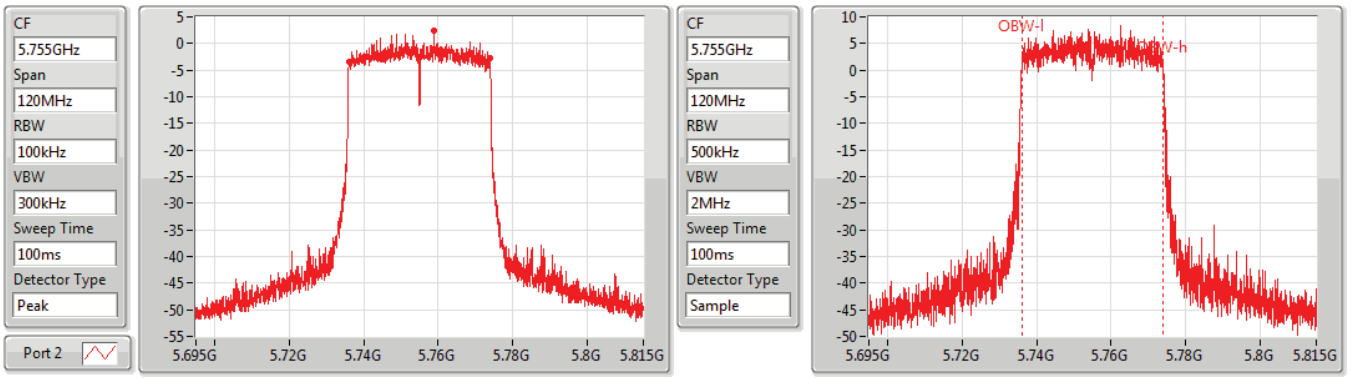


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.28M	5.20942G	5.2507G	37.721M	5.211109G	5.248831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) EBW

5755MHz

14/08/2019

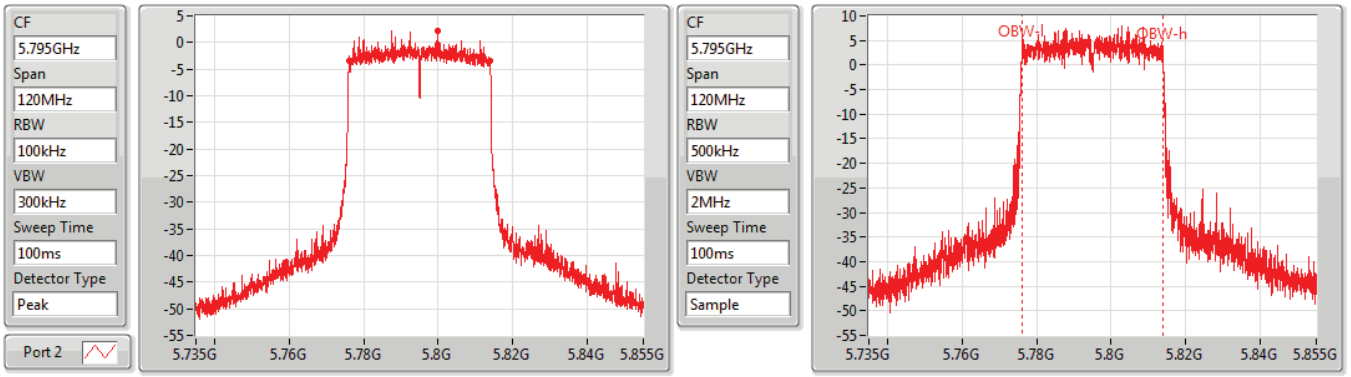


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.8M	5.73598G	5.77378G	37.661M	5.736109G	5.773771G	500k	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) EBW

5795MHz

15/08/2019

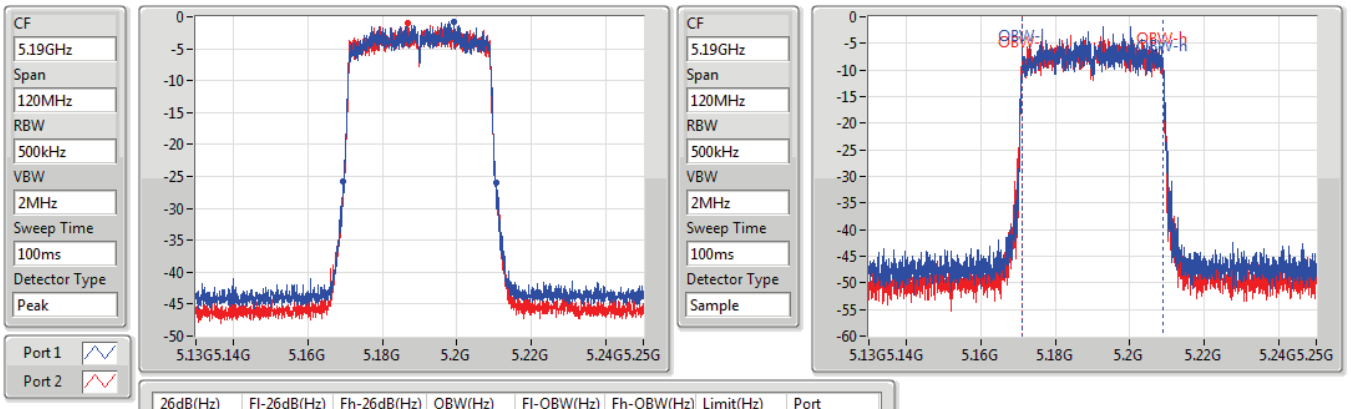


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.8M	5.77604G	5.81384G	37.781M	5.776049G	5.813831G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5190MHz

22/08/2019

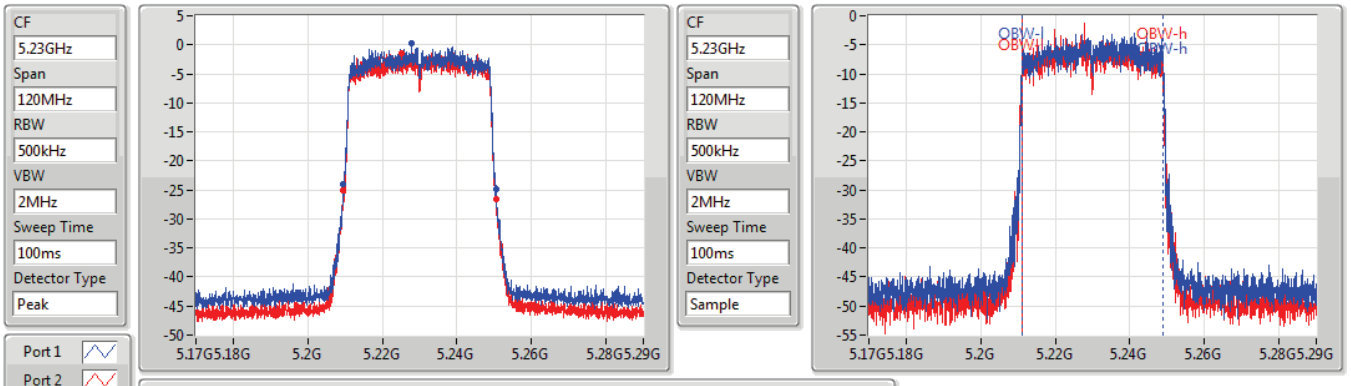


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.1M	5.16954G	5.21064G	37.781M	5.171109G	5.208891G	Inf	1
41.22M	5.16948G	5.2107G	37.781M	5.171049G	5.208831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5230MHz

22/08/2019

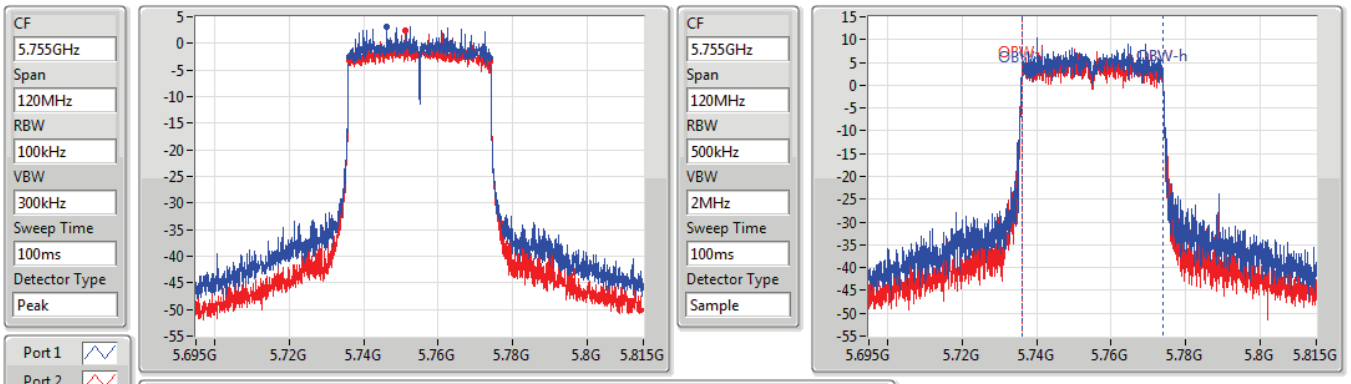


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.98M	5.20948G	5.25046G	37.721M	5.211109G	5.248831G	Inf	1
41.04M	5.2096G	5.25064G	37.721M	5.211109G	5.248831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5755MHz

15/08/2019

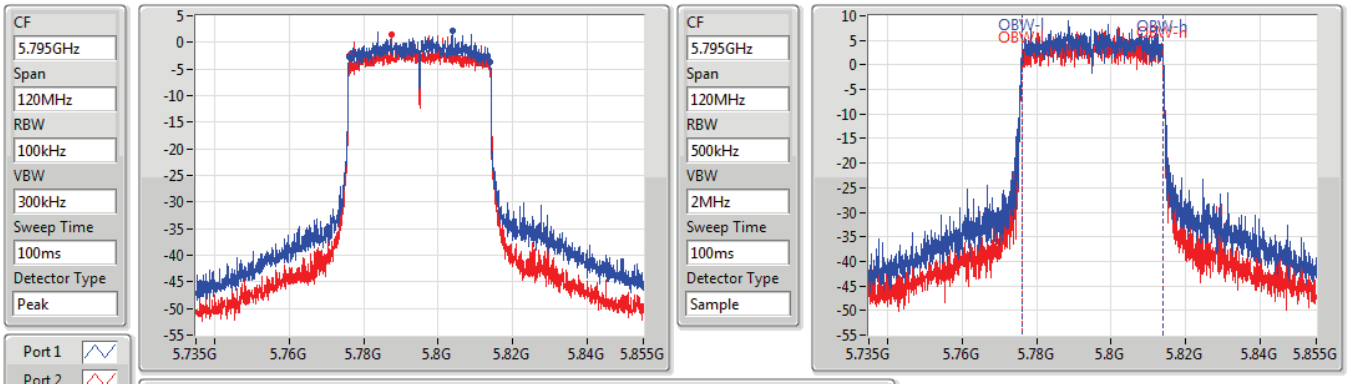


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.92M	5.73598G	5.7739G	37.661M	5.736109G	5.773771G	500k	1
37.92M	5.73598G	5.7739G	37.721M	5.736049G	5.773771G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5795MHz

15/08/2019

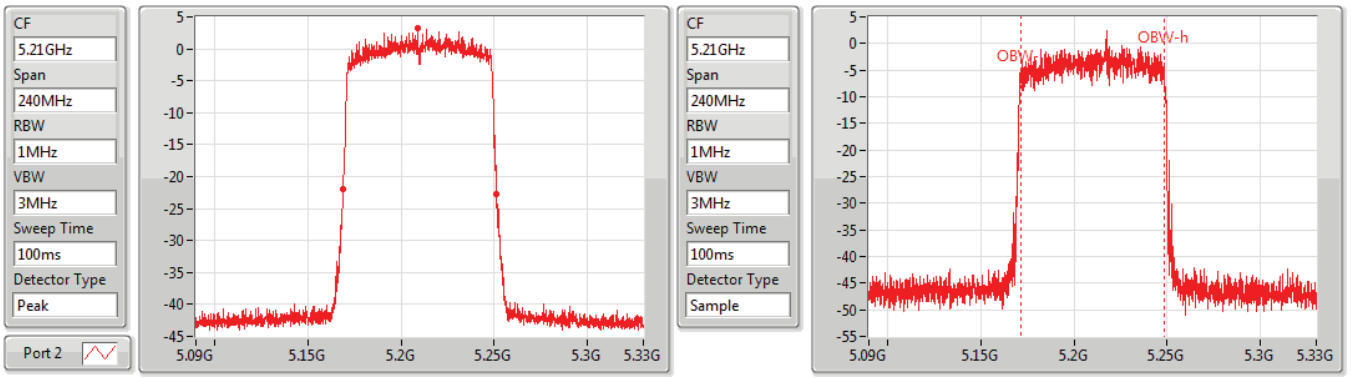


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.98M	5.77598G	5.81396G	37.721M	5.776109G	5.813831G	500k	1
37.68M	5.77622G	5.8139G	37.781M	5.776049G	5.813831G	500k	2

802.11ax HEW80_Nss1,(MCS0)_1TX(Port2) EBW

5210MHz

22/08/2019

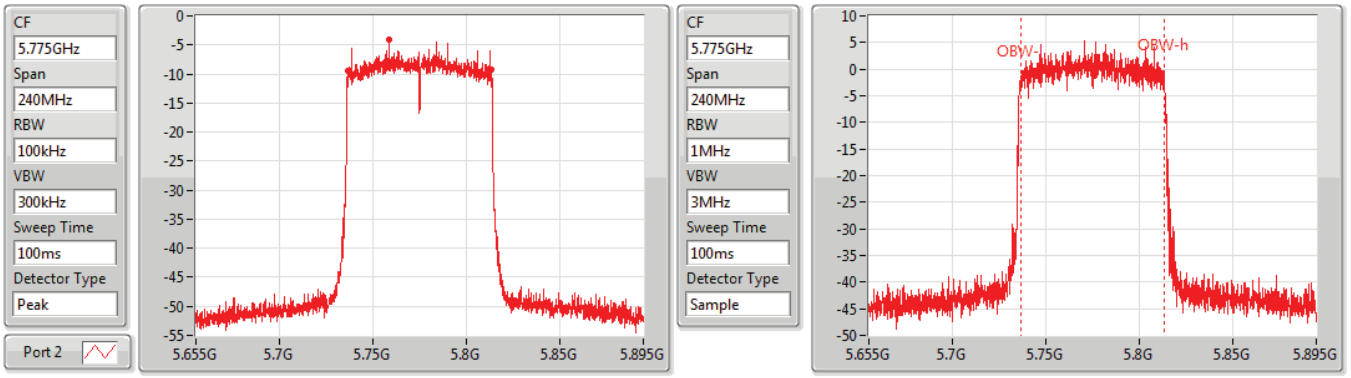


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.44M	5.16872G	5.25116G	77.241M	5.171259G	5.248501G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_1TX(Port2) EBW

5775MHz

15/08/2019



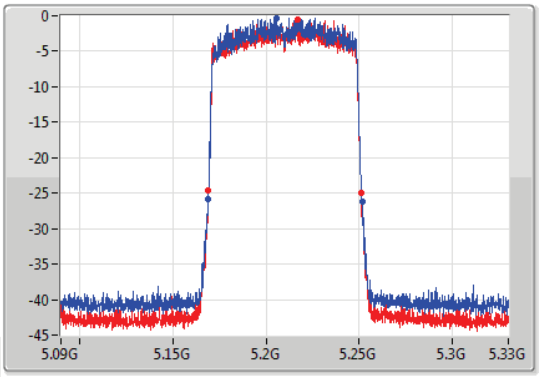
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.92M	5.73636G	5.81328G	77.241M	5.736259G	5.813501G	500k	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

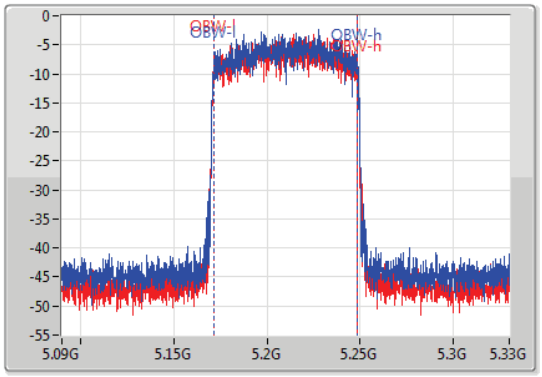
5210MHz

22/08/2019

CF	5.21GHz
Span	240MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Peak



CF	5.21GHz
Span	240MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



Port 1
Port 2

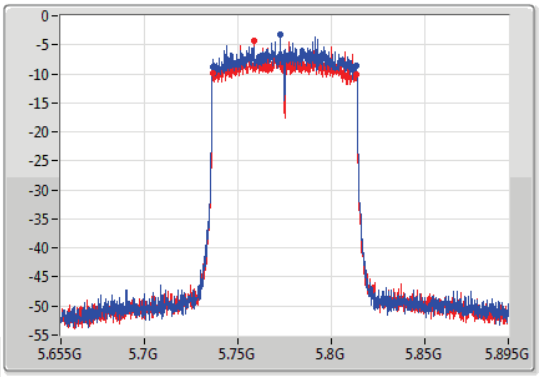
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.68M	5.16884G	5.25152G	77.001M	5.171619G	5.248621G	Inf	1
82.08M	5.16896G	5.25104G	77.121M	5.171379G	5.248501G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

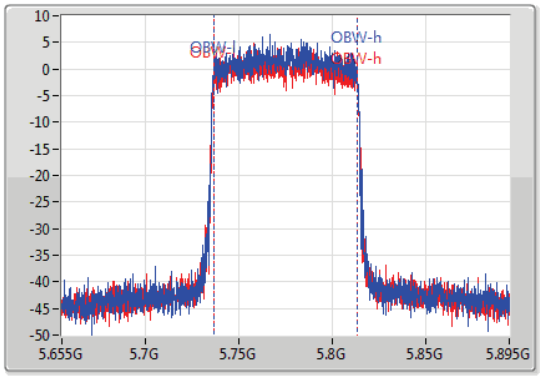
5775MHz

15/08/2019

CF	5.775GHz
Span	240MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak



CF	5.775GHz
Span	240MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



Port 1
Port 2

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.92M	5.73636G	5.81328G	77.121M	5.736259G	5.813381G	500k	1
77.28M	5.73624G	5.81352G	77.121M	5.736259G	5.813381G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	23.13M	16.492M	16M5D1D	19.95M	16.402M
802.11a_Nss1,(6Mbps)_2TX	19.29M	16.402M	16M4D1D	19.08M	16.372M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	26.4M	17.691M	17M7D1D	20.73M	17.571M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.94M	17.601M	17M6D1D	20.58M	17.571M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	47.58M	36.282M	36M3D1D	40.8M	36.042M
802.11ac VHT40_Nss1,(MCS0)_2TX	41.04M	36.102M	36M1D1D	40.26M	36.042M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	82.32M	75.442M	75M4D1D	82.32M	75.442M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.08M	75.562M	75M6D1D	81.96M	75.442M
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	25.89M	18.981M	19M0D1D	21.27M	18.951M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.99M	18.951M	19M0D1D	21.09M	18.891M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	45.36M	37.841M	37M8D1D	41.16M	37.661M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.22M	37.781M	37M8D1D	40.86M	37.661M
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	82.32M	77.121M	77M1D1D	82.32M	77.121M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.2M	77.121M	77M1D1D	82.08M	77.001M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	16.29M	30.225M	30M2D1D	15.99M	24.588M
802.11a_Nss1,(6Mbps)_2TX	16.29M	32.234M	32M2D1D	15.93M	23.028M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	17.55M	29.775M	29M8D1D	16.8M	23.748M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.58M	29.385M	29M4D1D	17.16M	23.208M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	35.94M	37.061M	37M1D1D	35.7M	36.222M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.3M	36.402M	36M4D1D	34.98M	36.162M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	73.8M	75.442M	75M4D1D	73.8M	75.442M
802.11ac VHT80_Nss1,(MCS0)_2TX	75M	75.442M	75M4D1D	74.04M	75.442M
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	18.75M	29.415M	29M4D1D	18.42M	22.729M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.84M	28.006M	28M0D1D	18.42M	20.96M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	37.68M	38.561M	38M6D1D	37.5M	37.841M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.98M	37.961M	38M0D1D	37.74M	37.841M
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	77.52M	77.121M	77M1D1D	77.52M	77.121M
802.11ax HEW80_Nss1,(MCS0)_2TX	77.88M	77.121M	77M1D1D	77.16M	77.001M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
5180MHz	Pass	Inf			19.95M	16.402M
5200MHz	Pass	Inf			21.42M	16.432M
5240MHz	Pass	Inf			23.13M	16.492M
5745MHz	Pass	500k			16.26M	26.927M
5785MHz	Pass	500k			15.99M	24.588M
5825MHz	Pass	500k			16.29M	30.225M
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.17M	16.402M	19.29M	16.372M
5200MHz	Pass	Inf	19.08M	16.372M	19.14M	16.372M
5240MHz	Pass	Inf	19.14M	16.402M	19.17M	16.402M
5745MHz	Pass	500k	16.29M	28.156M	15.99M	29.385M
5785MHz	Pass	500k	15.93M	29.865M	16.26M	23.028M
5825MHz	Pass	500k	16.29M	32.234M	16.29M	30.585M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5180MHz	Pass	Inf			20.73M	17.571M
5200MHz	Pass	Inf			23.88M	17.661M
5240MHz	Pass	Inf			26.4M	17.691M
5745MHz	Pass	500k			17.55M	25.817M
5785MHz	Pass	500k			16.8M	23.748M
5825MHz	Pass	500k			17.52M	29.775M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.67M	17.571M	20.58M	17.601M
5200MHz	Pass	Inf	20.82M	17.601M	20.82M	17.571M
5240MHz	Pass	Inf	20.94M	17.601M	20.91M	17.601M
5745MHz	Pass	500k	17.58M	29.115M	17.31M	27.526M
5785MHz	Pass	500k	17.52M	28.756M	17.16M	23.208M
5825MHz	Pass	500k	17.52M	29.385M	17.55M	28.906M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5190MHz	Pass	Inf			40.8M	36.042M
5230MHz	Pass	Inf			47.58M	36.282M
5755MHz	Pass	500k			35.94M	36.222M
5795MHz	Pass	500k			35.7M	37.061M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.04M	36.042M	40.8M	36.102M
5230MHz	Pass	Inf	40.26M	36.042M	40.5M	36.102M
5755MHz	Pass	500k	34.98M	36.162M	36.3M	36.162M
5795MHz	Pass	500k	36.06M	36.402M	35.04M	36.162M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5210MHz	Pass	Inf			82.32M	75.442M
5775MHz	Pass	500k			73.8M	75.442M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.08M	75.442M	81.96M	75.562M
5775MHz	Pass	500k	74.04M	75.442M	75M	75.442M

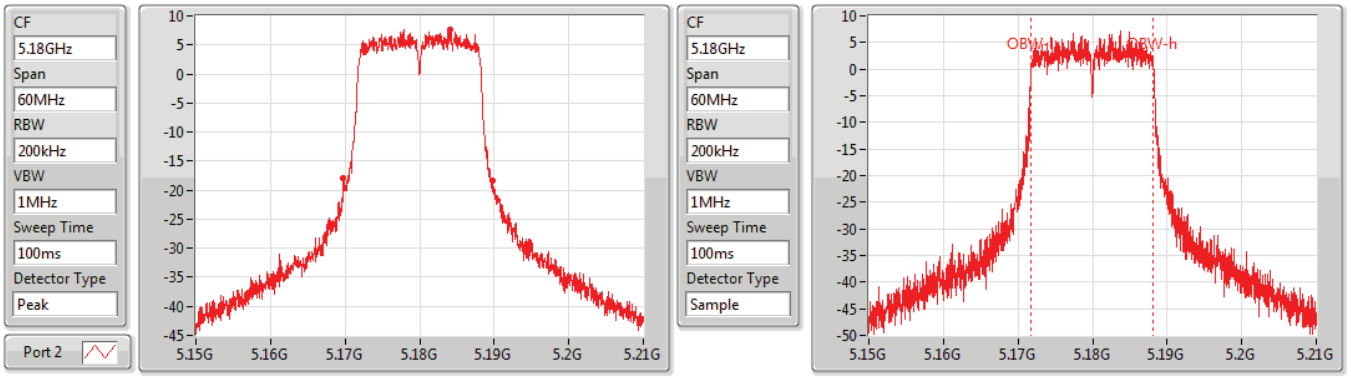
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5180MHz	Pass	Inf			21.27M	18.951M
5200MHz	Pass	Inf			22.32M	18.951M
5240MHz	Pass	Inf			25.89M	18.981M
5745MHz	Pass	500k			18.51M	26.147M
5785MHz	Pass	500k			18.75M	22.729M
5825MHz	Pass	500k			18.42M	29.415M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.51M	18.891M	21.09M	18.921M
5200MHz	Pass	Inf	21.99M	18.951M	21.45M	18.891M
5240MHz	Pass	Inf	21.39M	18.921M	21.3M	18.891M
5745MHz	Pass	500k	18.42M	28.006M	18.81M	26.297M
5785MHz	Pass	500k	18.72M	27.916M	18.72M	20.96M
5825MHz	Pass	500k	18.84M	24.828M	18.63M	22.879M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5190MHz	Pass	Inf			41.16M	37.661M
5230MHz	Pass	Inf			45.36M	37.841M
5755MHz	Pass	500k			37.68M	37.841M
5795MHz	Pass	500k			37.5M	38.561M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.1M	37.781M	41.22M	37.661M
5230MHz	Pass	Inf	40.86M	37.661M	41.1M	37.721M
5755MHz	Pass	500k	37.92M	37.841M	37.92M	37.841M
5795MHz	Pass	500k	37.74M	37.961M	37.98M	37.841M
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5210MHz	Pass	Inf			82.32M	77.121M
5775MHz	Pass	500k			77.52M	77.121M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.2M	77.001M	82.08M	77.121M
5775MHz	Pass	500k	77.16M	77.001M	77.88M	77.121M

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)_1TX(Port2) EBW

5180MHz

22/08/2019

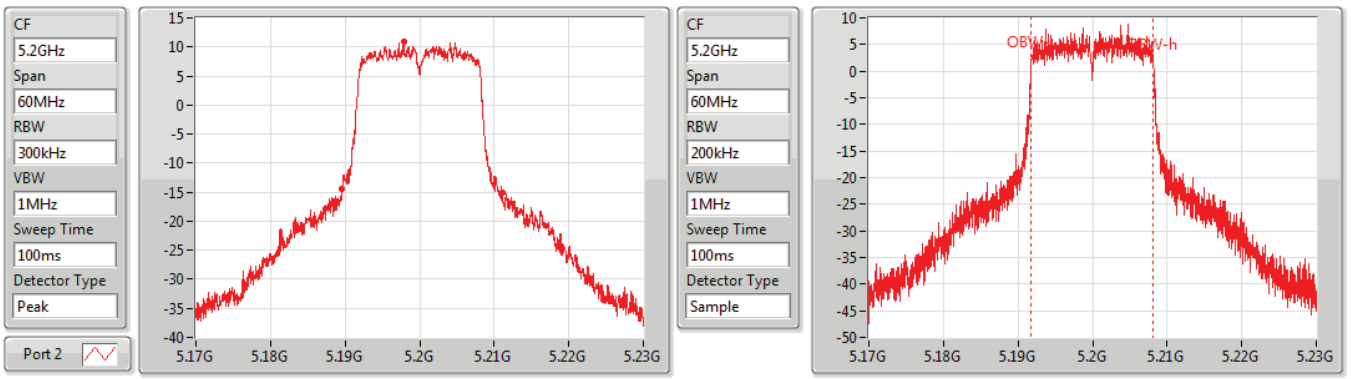


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.95M	5.16977G	5.18972G	16.402M	5.171784G	5.188186G	Inf	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5200MHz

22/08/2019

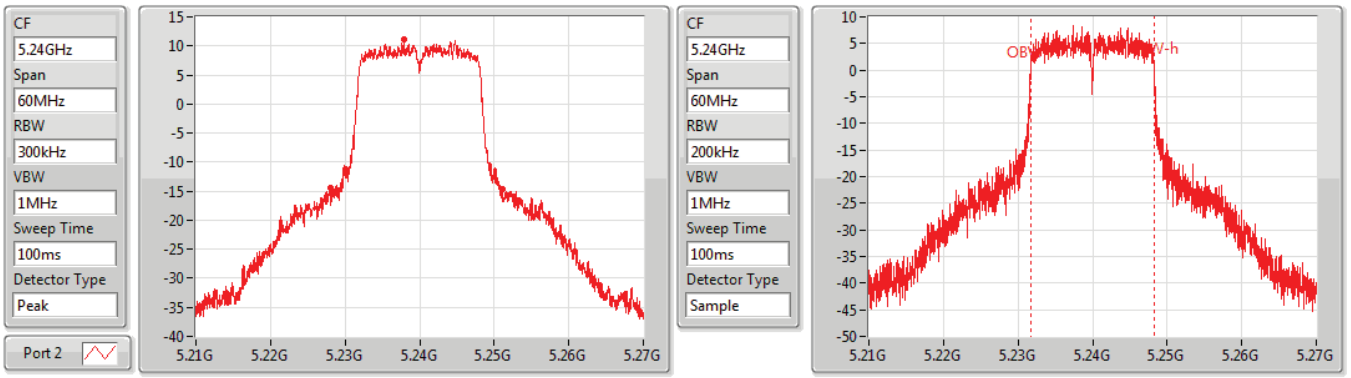


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.18962G	5.21104G	16.432M	5.191754G	5.208186G	Inf	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5240MHz

22/08/2019

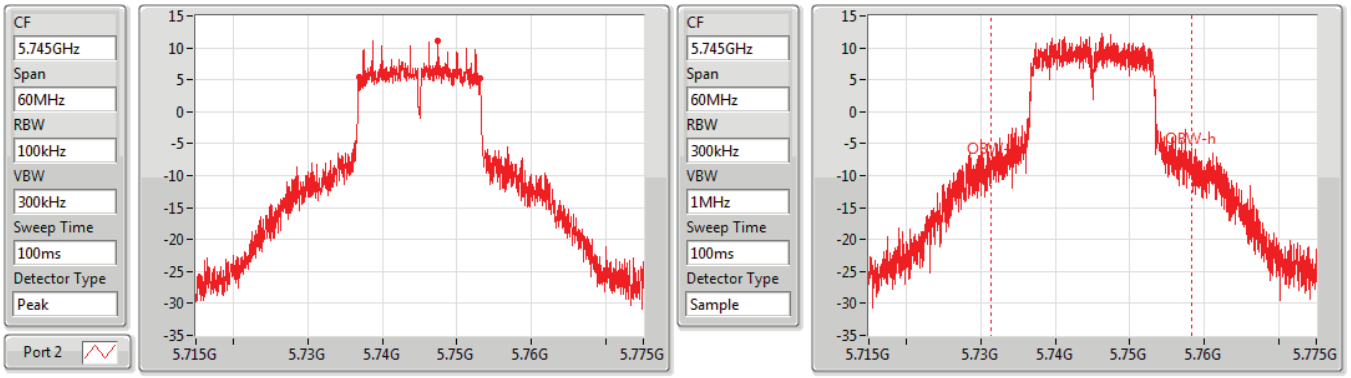


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.13M	5.22797G	5.2511G	16.492M	5.231724G	5.248216G	Inf	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5745MHz

15/08/2019

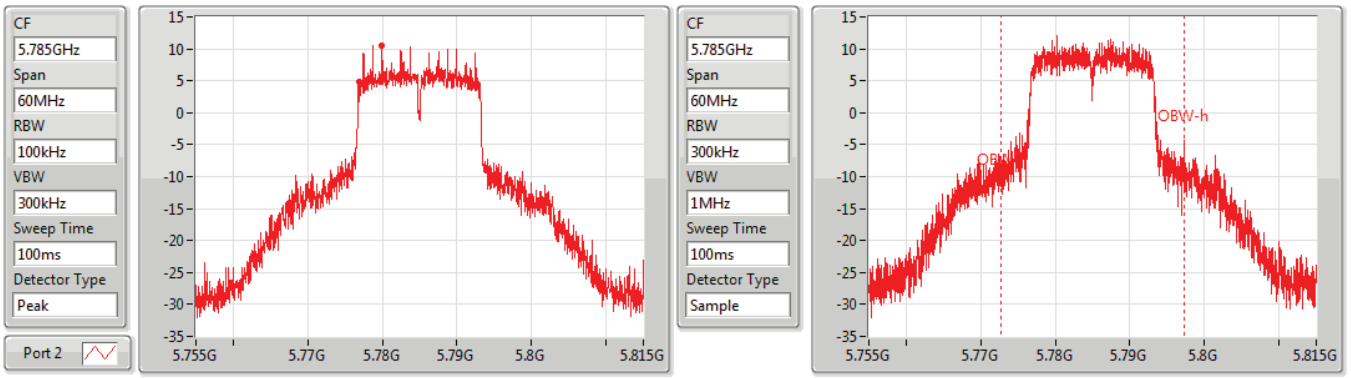


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.26M	5.73684G	5.7531G	26.927M	5.731387G	5.758313G	500k	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5785MHz

15/08/2019

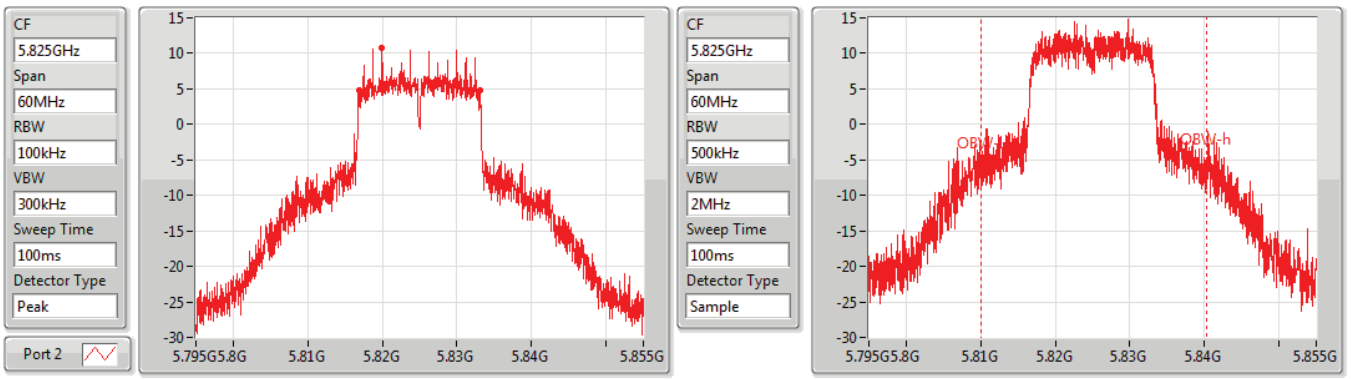


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.99M	5.77684G	5.79283G	24.588M	5.772646G	5.797234G	500k	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5825MHz

15/08/2019

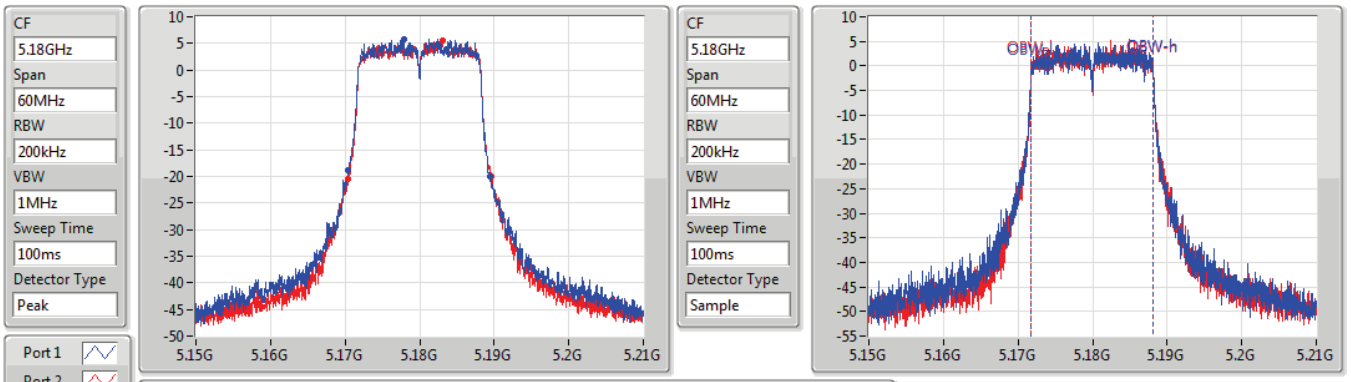


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.81684G	5.83313G	30.225M	5.810097G	5.840322G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

22/08/2019

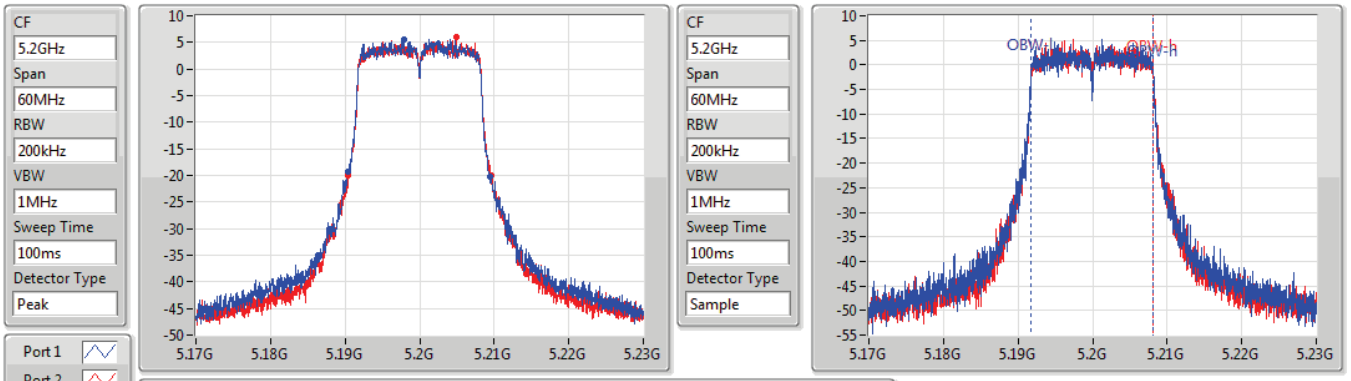


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.17M	5.17034G	5.18951G	16.402M	5.171754G	5.188156G	Inf	1
19.29M	5.17034G	5.18963G	16.372M	5.171784G	5.188156G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

22/08/2019

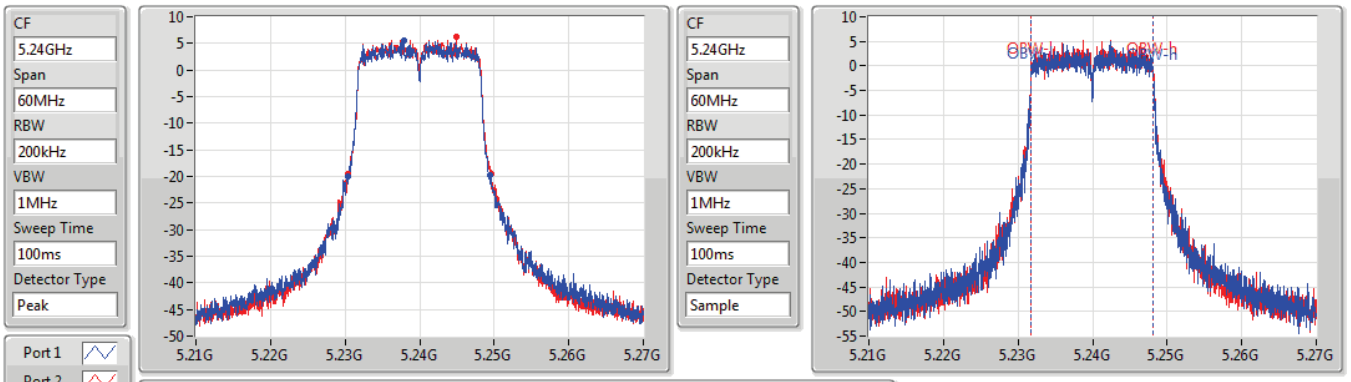


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.08M	5.19031G	5.20939G	16.372M	5.191784G	5.208156G	Inf	1
19.14M	5.19046G	5.2096G	16.372M	5.191784G	5.208156G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

22/08/2019

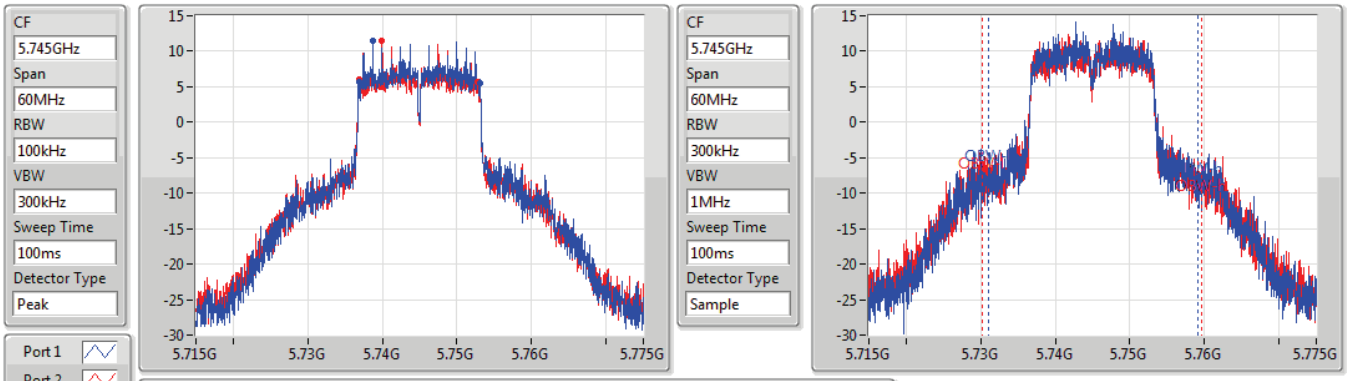


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.14M	5.23037G	5.24951G	16.402M	5.231754G	5.248156G	Inf	1
19.17M	5.23043G	5.2496G	16.402M	5.231784G	5.248186G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

15/08/2019

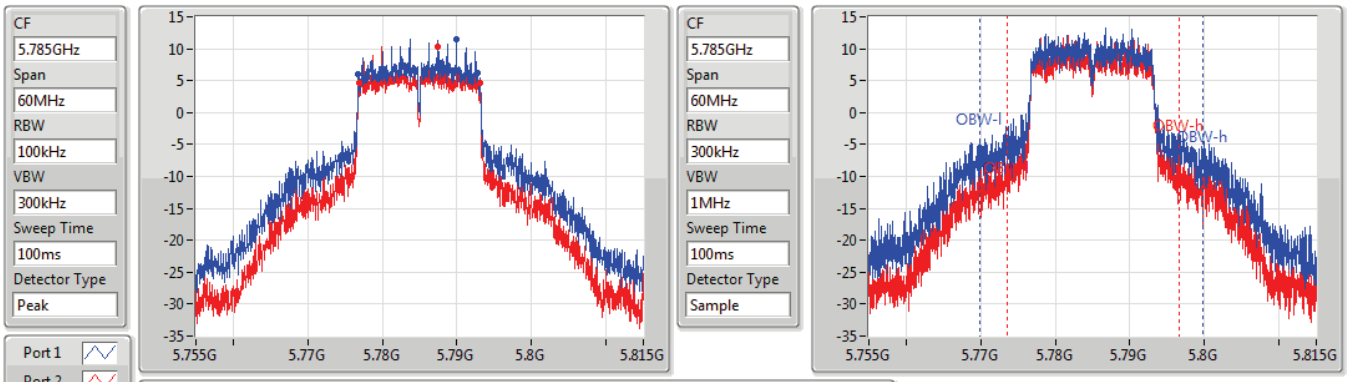


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.73684G	5.75313G	28.156M	5.731027G	5.759183G	500k	1
15.99M	5.73684G	5.75283G	29.385M	5.730187G	5.759573G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

15/08/2019

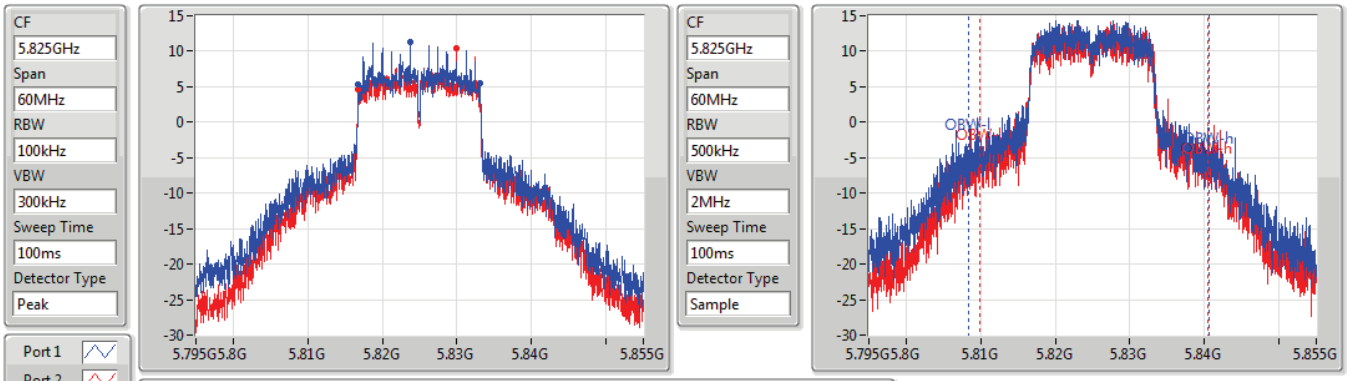


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.93M	5.77681G	5.79274G	29.865M	5.769888G	5.799753G	500k	1
16.26M	5.77684G	5.7931G	23.028M	5.773576G	5.796604G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

15/08/2019

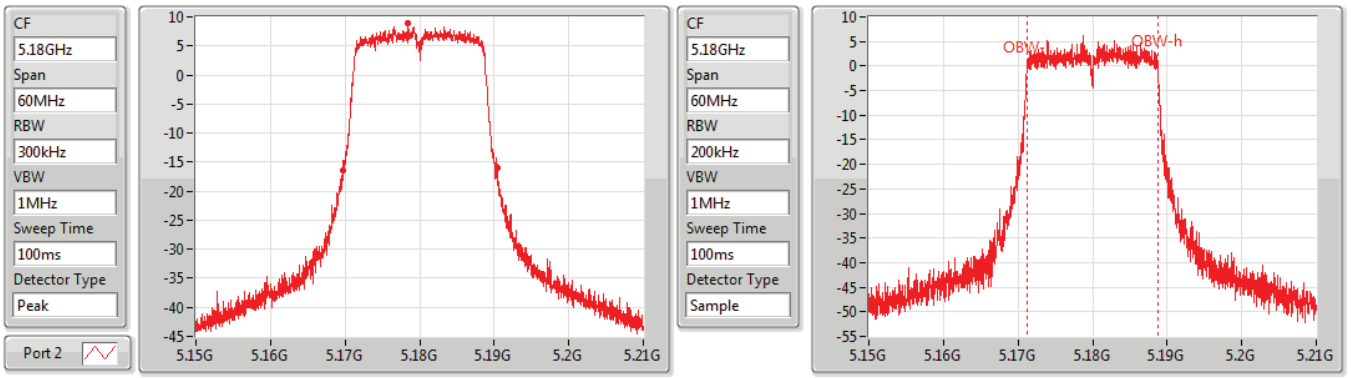


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.81681G	5.8331G	32.234M	5.808388G	5.840622G	500k	1
16.29M	5.81681G	5.8331G	30.585M	5.809948G	5.840532G	500k	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5180MHz

22/08/2019

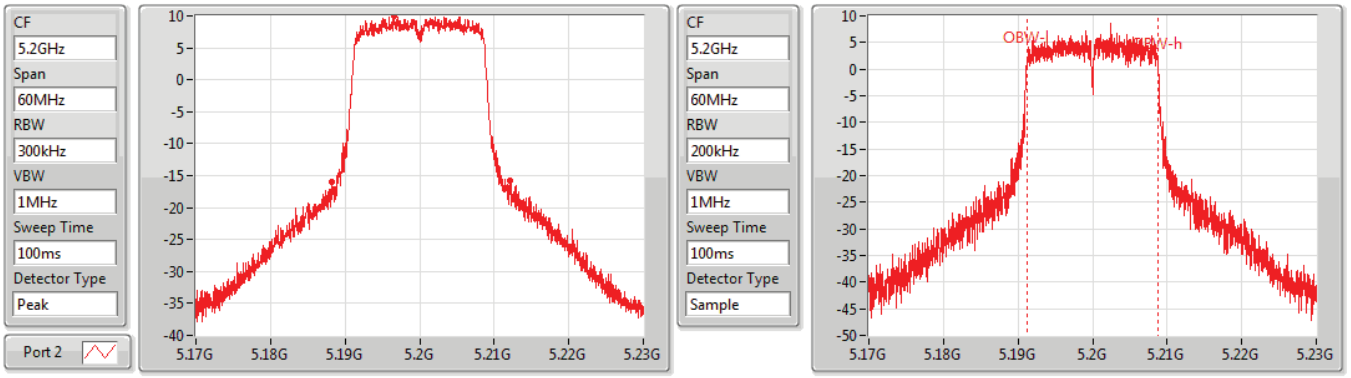


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.73M	5.16965G	5.19038G	17.571M	5.171184G	5.188756G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5200MHz

22/08/2019

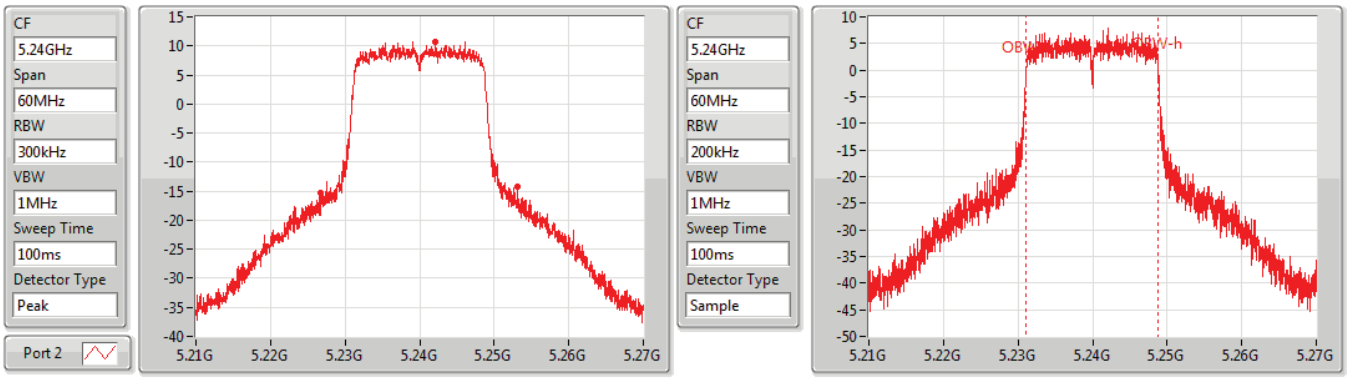


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.88M	5.18818G	5.21206G	17.661M	5.191154G	5.208816G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5240MHz

22/08/2019

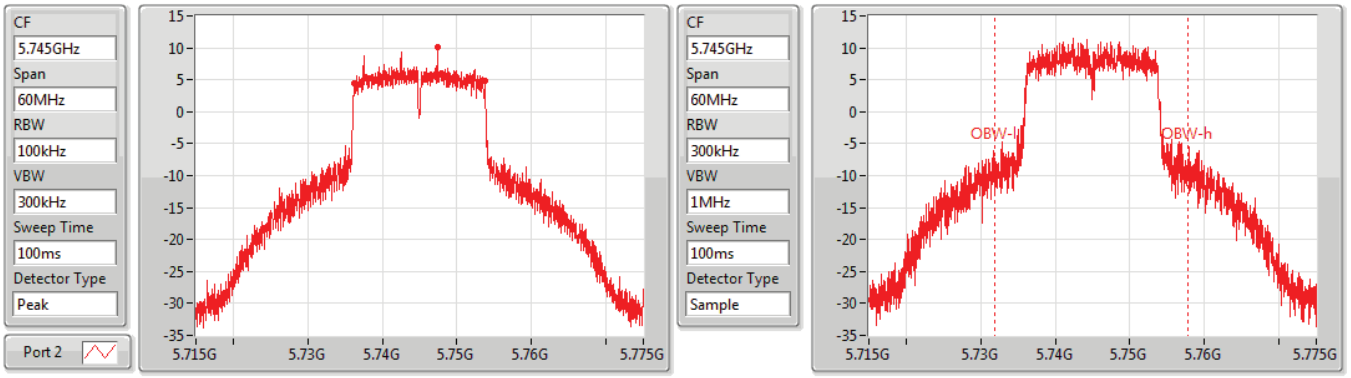


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.4M	5.22677G	5.25317G	17.691M	5.231124G	5.248816G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5745MHz

15/08/2019

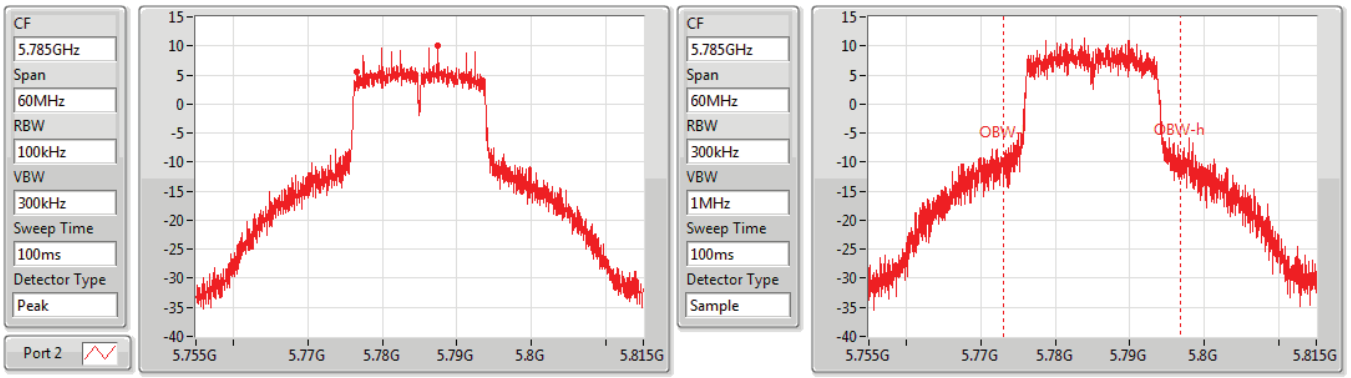


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.73618G	5.75373G	25.817M	5.731957G	5.757774G	500k	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5785MHz

15/08/2019

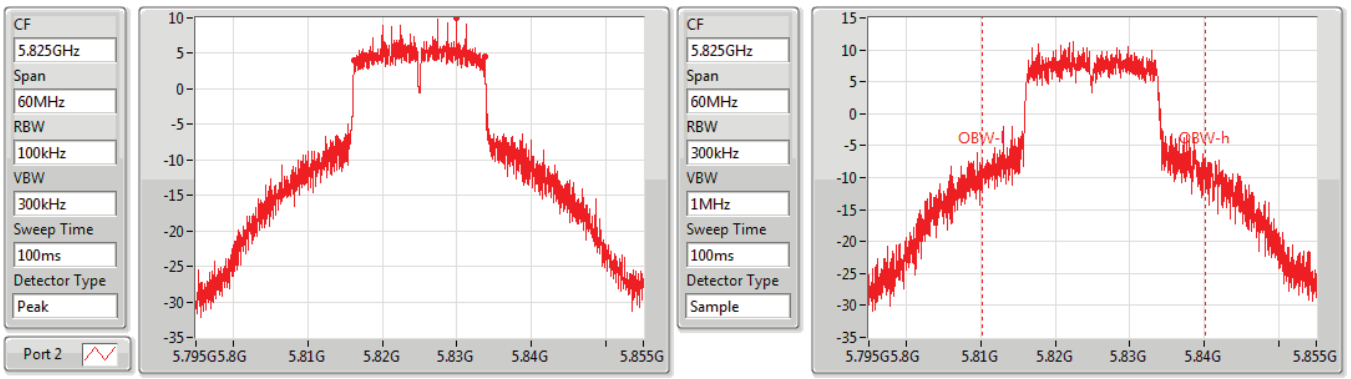


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.8M	5.77657G	5.79337G	23.748M	5.773036G	5.796784G	500k	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5825MHz

15/08/2019

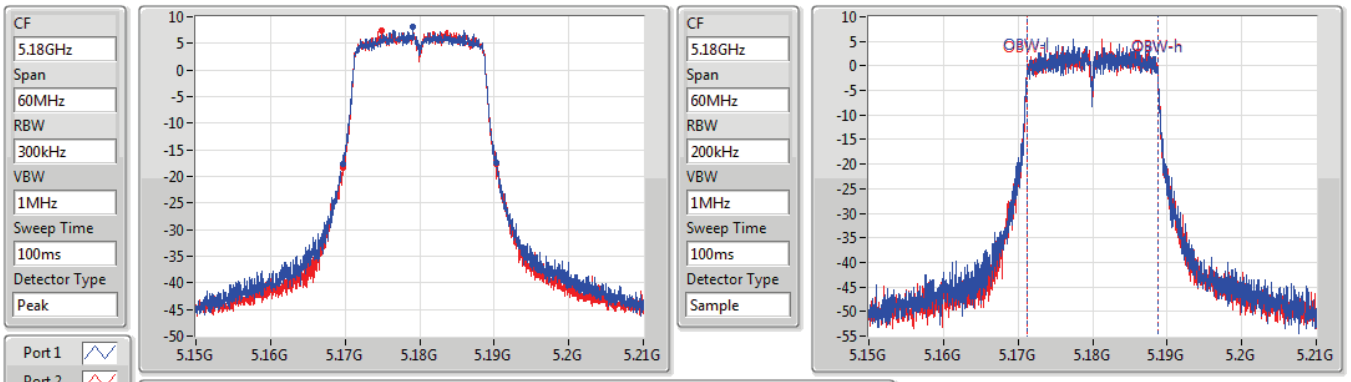


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.81621G	5.83373G	29.775M	5.810277G	5.840052G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

22/08/2019

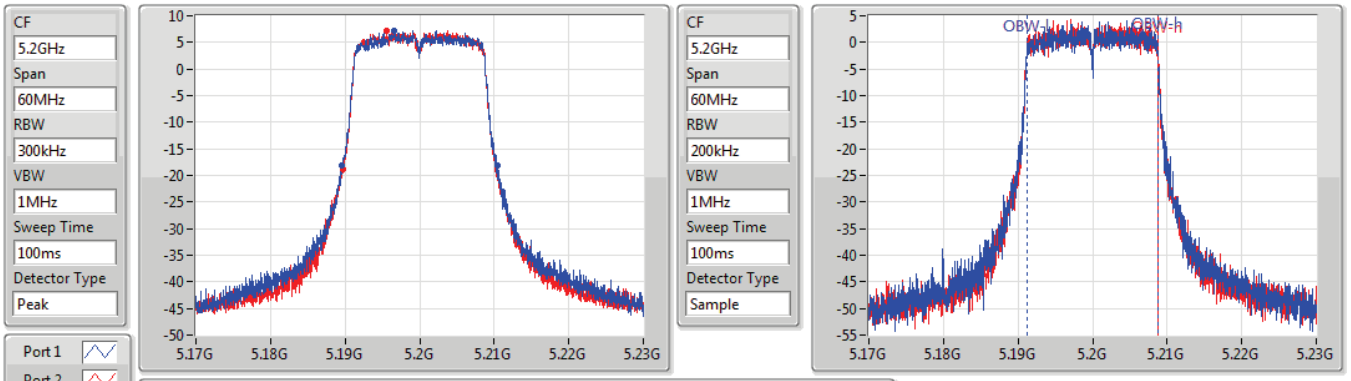


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.67M	5.16968G	5.19035G	17.571M	5.171184G	5.188756G	Inf	1
20.58M	5.16971G	5.19029G	17.601M	5.171154G	5.188756G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

22/08/2019

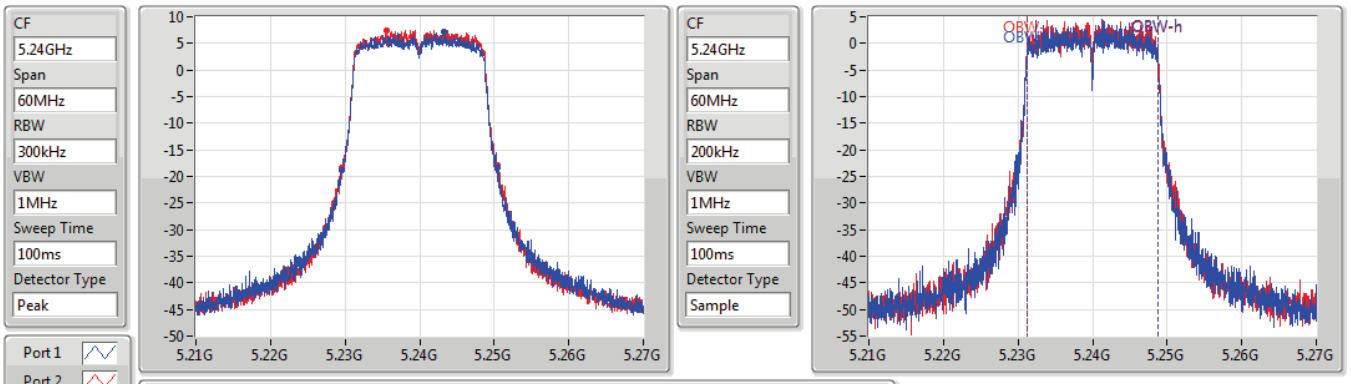


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.82M	5.18956G	5.21038G	17.601M	5.191154G	5.208756G	Inf	1
20.82M	5.18965G	5.21047G	17.571M	5.191184G	5.208756G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

22/08/2019

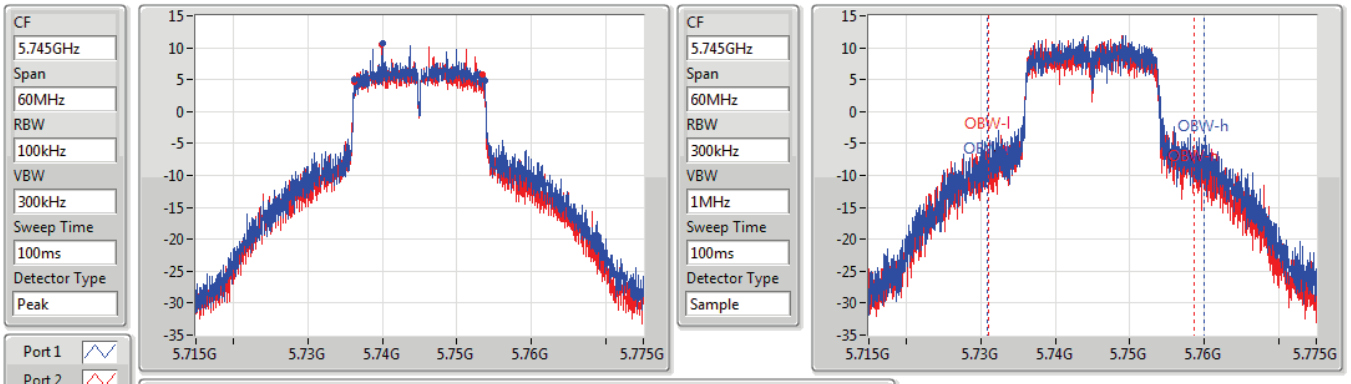


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.94M	5.22956G	5.2505G	17.601M	5.231154G	5.248756G	Inf	1
20.91M	5.22953G	5.25044G	17.601M	5.231154G	5.248756G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

15/08/2019

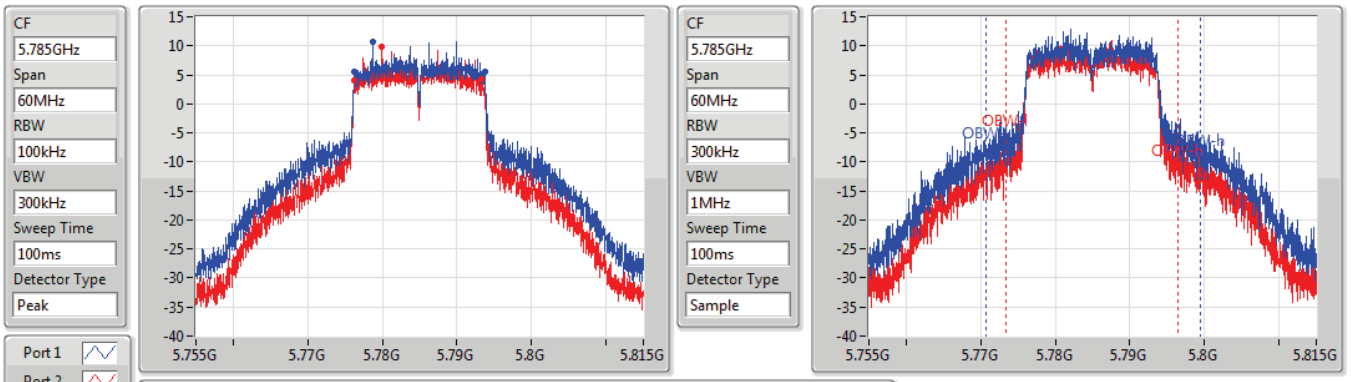


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.73618G	5.75376G	29.115M	5.730847G	5.759963G	500k	1
17.31M	5.73618G	5.75349G	27.526M	5.731027G	5.758553G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

15/08/2019

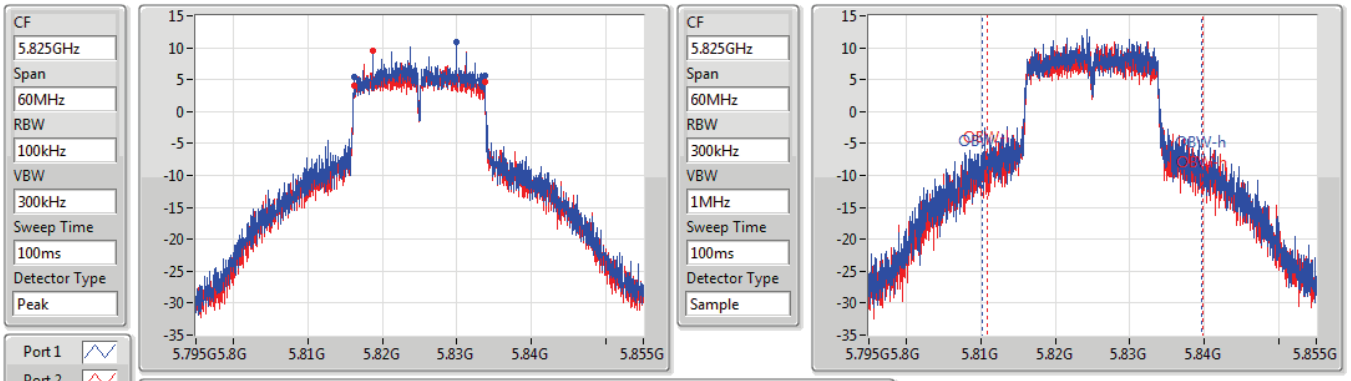


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.77618G	5.7937G	28.756M	5.770667G	5.799423G	500k	1
17.16M	5.77618G	5.79334G	23.208M	5.773306G	5.796514G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

15/08/2019

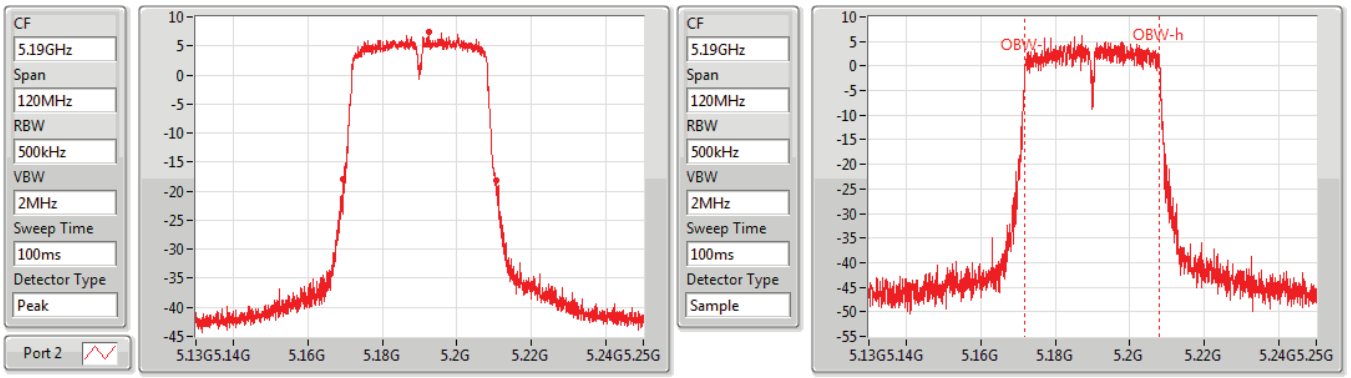


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.81618G	5.8337G	29.385M	5.810217G	5.839603G	500k	1
17.55M	5.81618G	5.83373G	28.906M	5.810817G	5.839723G	500k	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2) EBW

5190MHz

22/08/2019

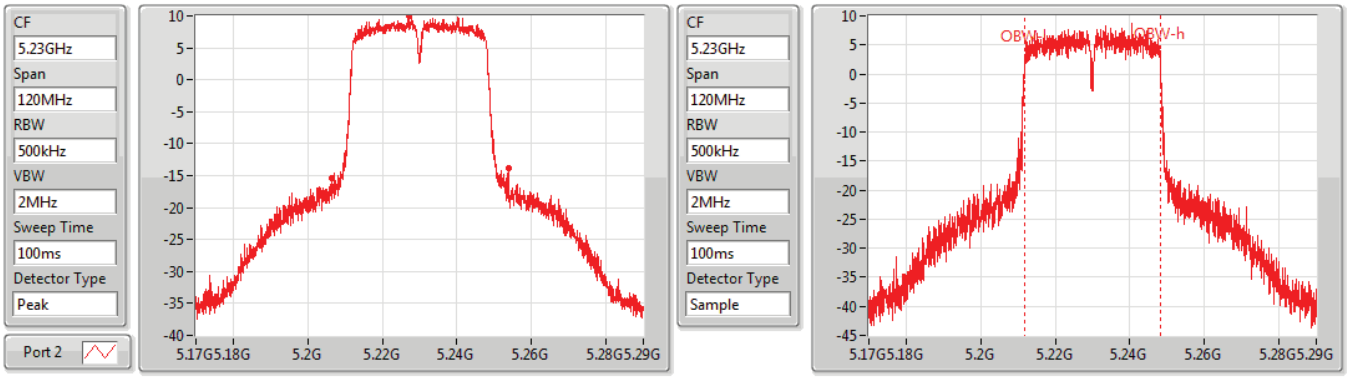


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.8M	5.1696G	5.2104G	36.042M	5.171949G	5.207991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2) EBW

5230MHz

22/08/2019

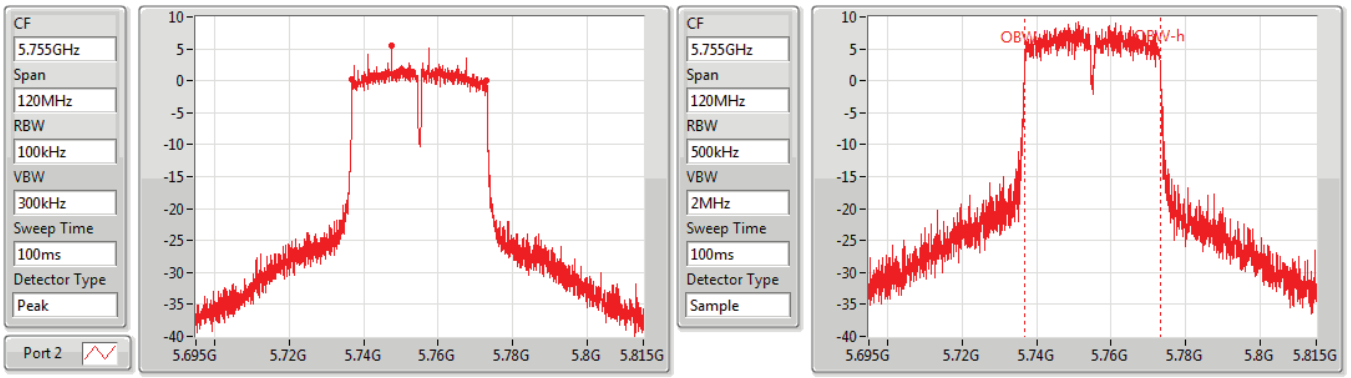


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
47.58M	5.2063G	5.25388G	36.282M	5.211829G	5.248111G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2) EBW

5755MHz

15/08/2019

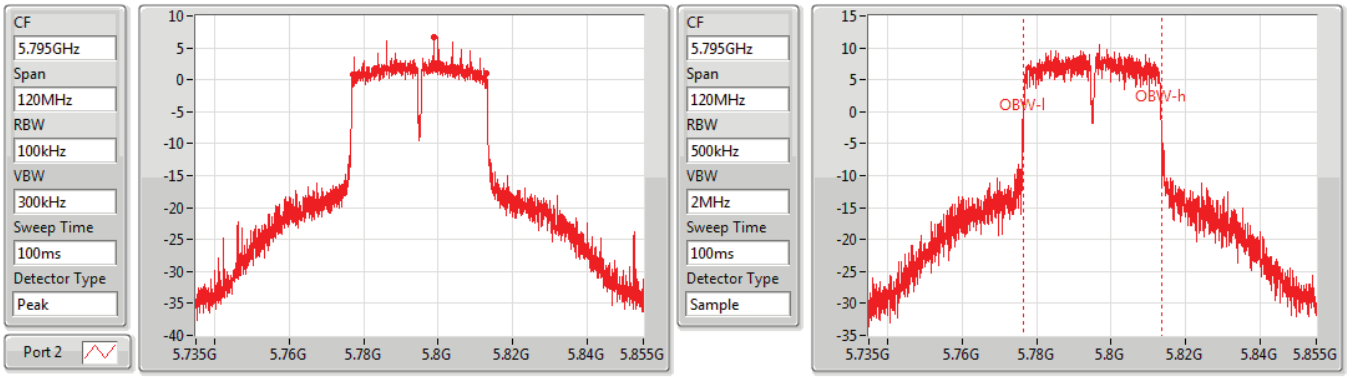


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.94M	5.73682G	5.77276G	36.222M	5.736829G	5.773051G	500k	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2) EBW

5795MHz

15/08/2019

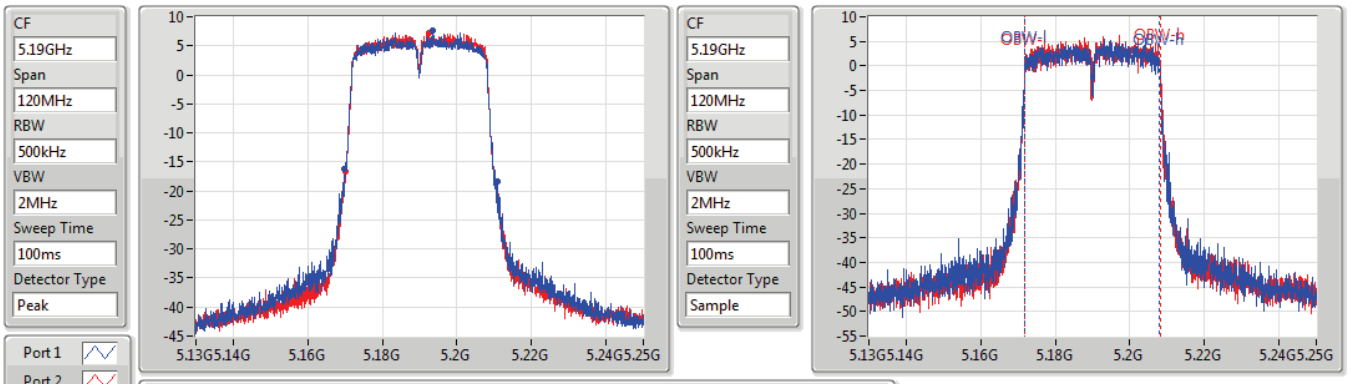


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	5.77706G	5.81276G	37.061M	5.776409G	5.813471G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

22/08/2019

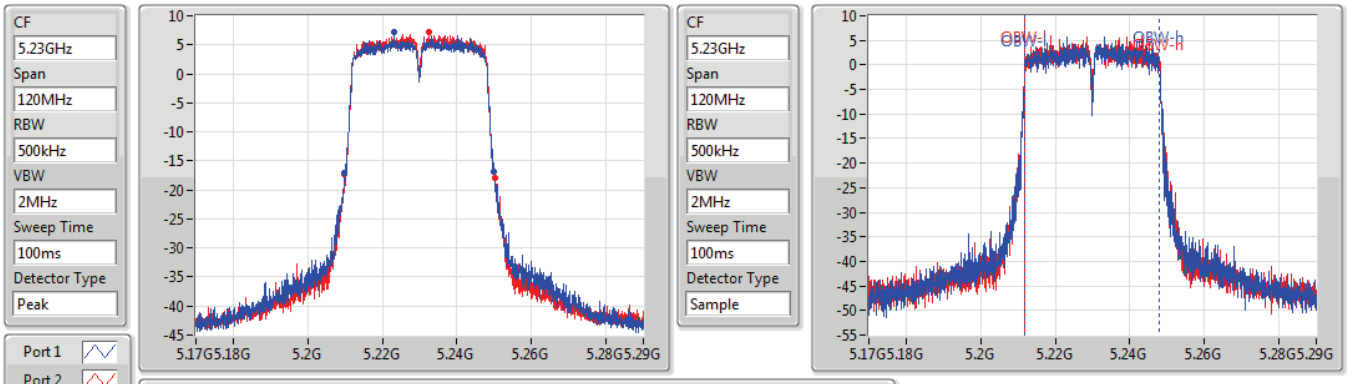


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.04M	5.16978G	5.21082G	36.042M	5.171949G	5.207991G	Inf	1
40.8M	5.16996G	5.21076G	36.102M	5.171949G	5.208051G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

22/08/2019

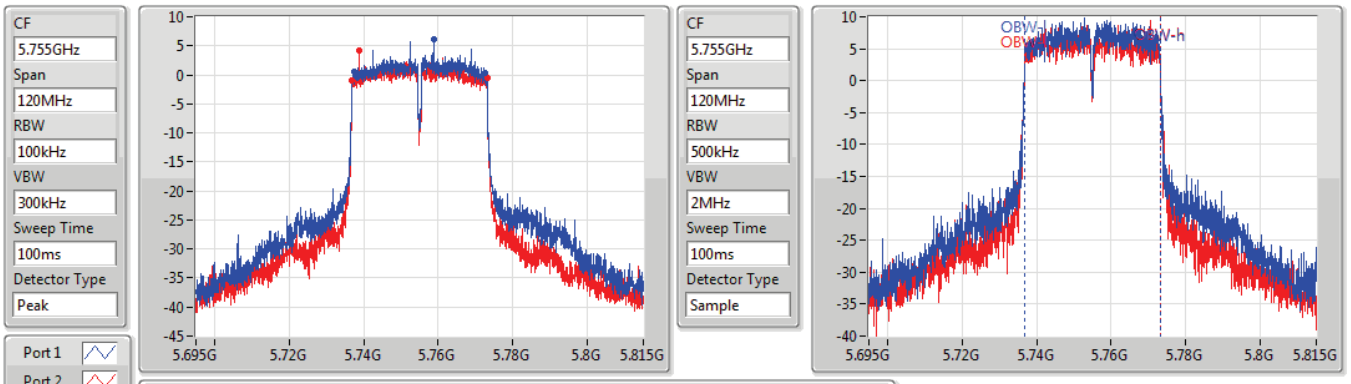


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.20978G	5.25004G	36.042M	5.211889G	5.247931G	Inf	1
40.5M	5.20978G	5.25028G	36.102M	5.211889G	5.247991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

15/08/2019

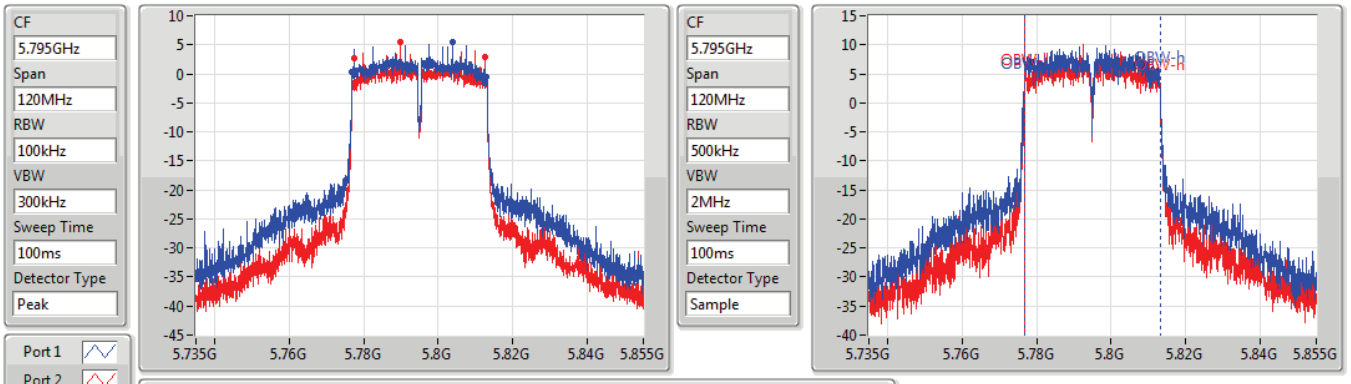


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.98M	5.73748G	5.77246G	36.162M	5.736889G	5.773051G	500k	1
36.3M	5.73682G	5.77312G	36.162M	5.736889G	5.773051G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5795MHz

15/08/2019

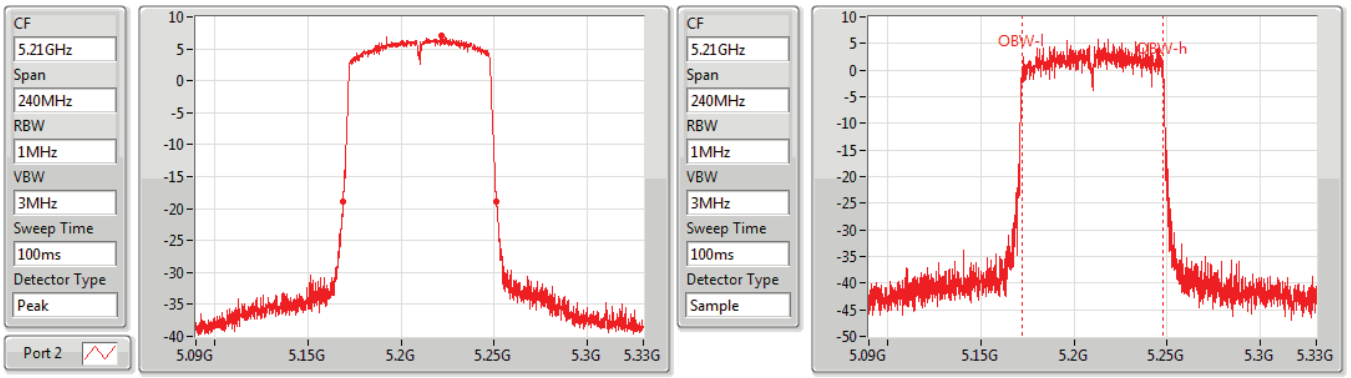


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.06M	5.77682G	5.81288G	36.402M	5.776649G	5.813051G	500k	1
35.04M	5.77748G	5.81252G	36.162M	5.776889G	5.813051G	500k	2

802.11ac VHT80_Nss1,(MCS0)_1TX(Port2) EBW

5210MHz

22/08/2019

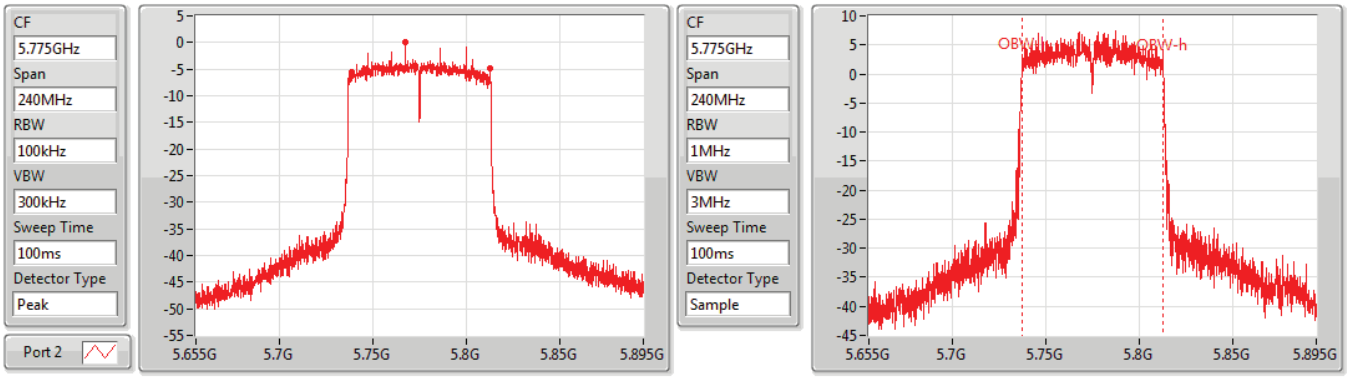


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	5.16896G	5.25128G	75.442M	5.172339G	5.247781G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_1TX(Port2) EBW

5775MHz

15/08/2019

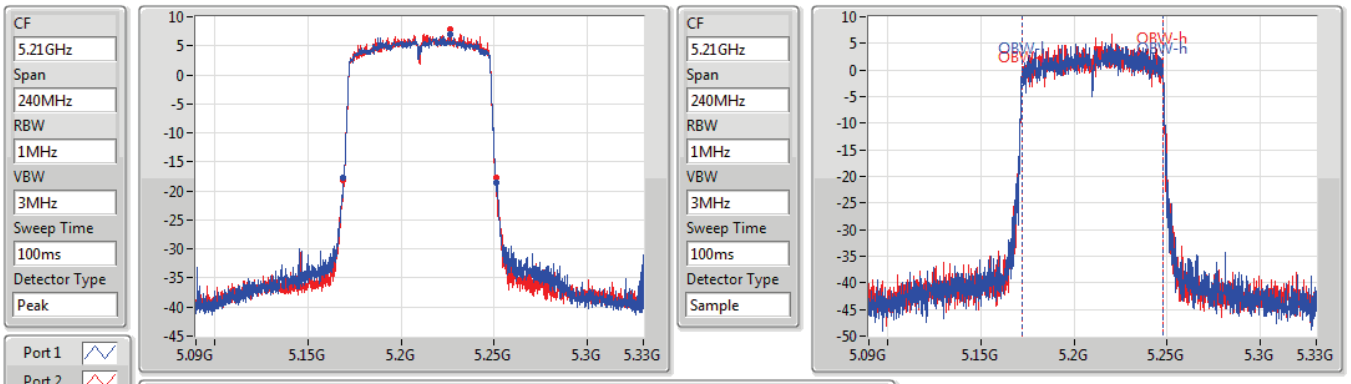


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.8M	5.73876G	5.81256G	75.442M	5.737219G	5.812661G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

22/08/2019

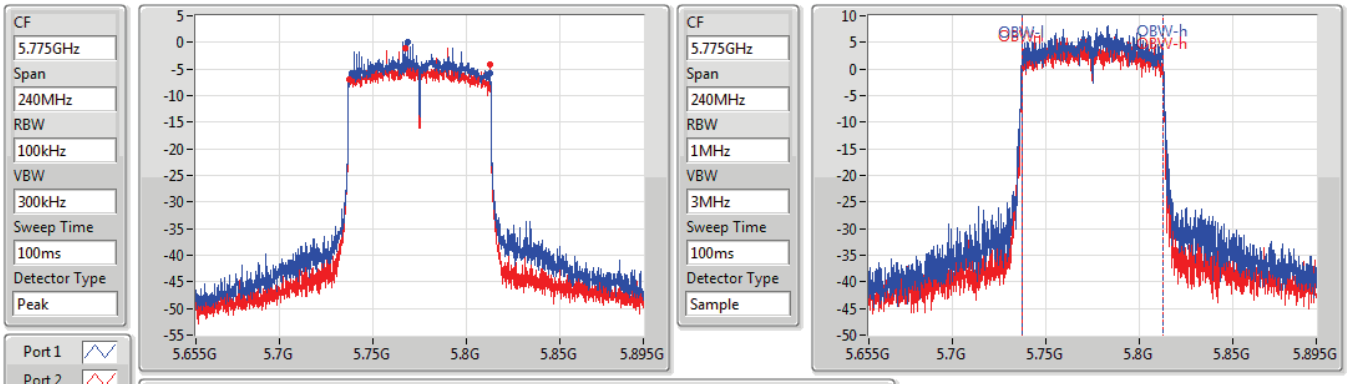


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	5.1692G	5.25128G	75.442M	5.172219G	5.247661G	Inf	1
81.96M	5.1692G	5.25116G	75.562M	5.172219G	5.247781G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz

15/08/2019

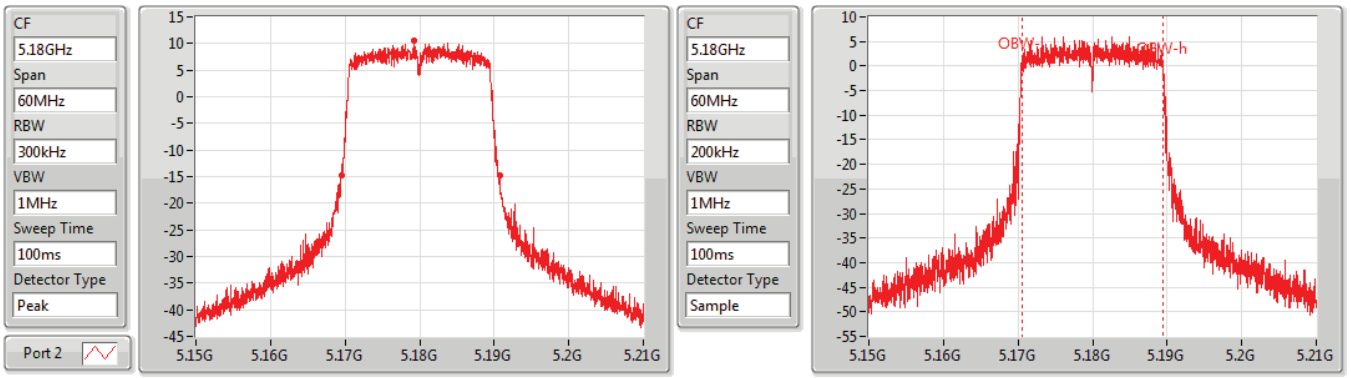


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
74.04M	5.73876G	5.8128G	75.442M	5.737219G	5.812661G	500k	1
75M	5.73744G	5.81244G	75.442M	5.737219G	5.812661G	500k	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5180MHz

22/08/2019

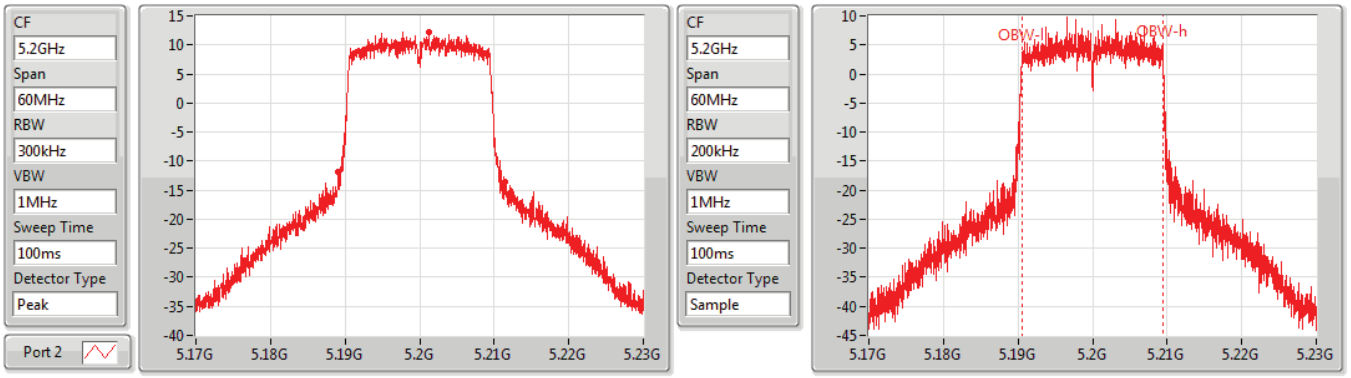


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.1695G	5.19077G	18.951M	5.170495G	5.189445G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5200MHz

22/08/2019

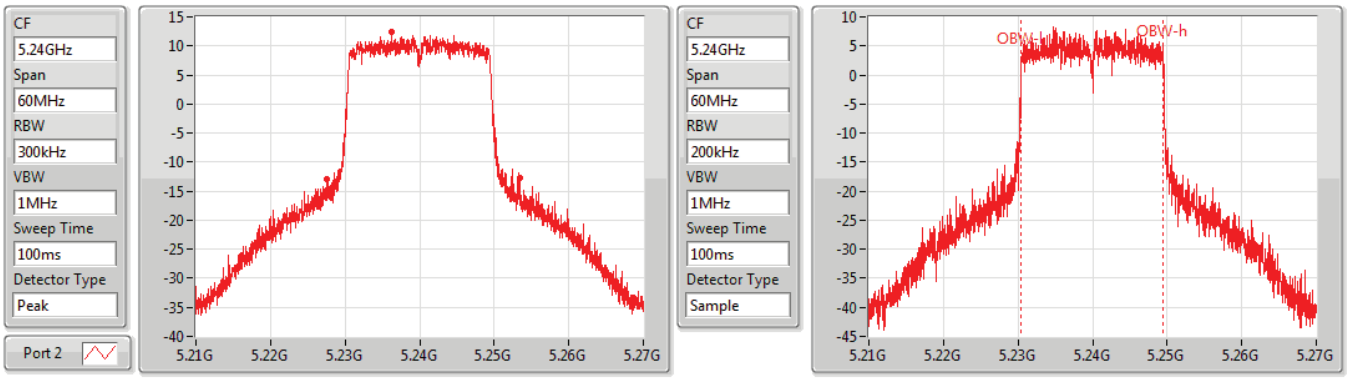


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.32M	5.18908G	5.2114G	18.951M	5.190495G	5.209445G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5240MHz

22/08/2019

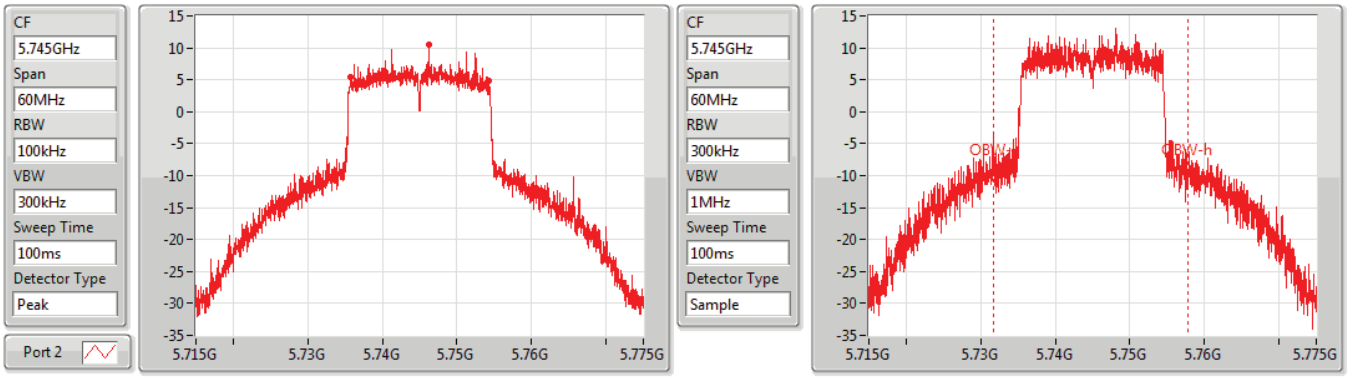


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.89M	5.22749G	5.25338G	18.981M	5.230465G	5.249445G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5745MHz

15/08/2019

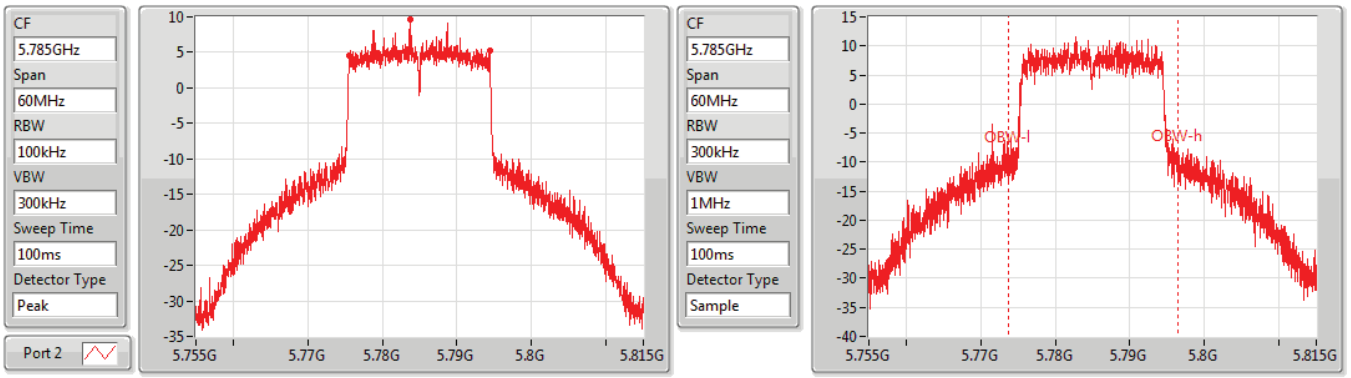


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.51M	5.73579G	5.7543G	26.147M	5.731717G	5.757864G	500k	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5785MHz

15/08/2019

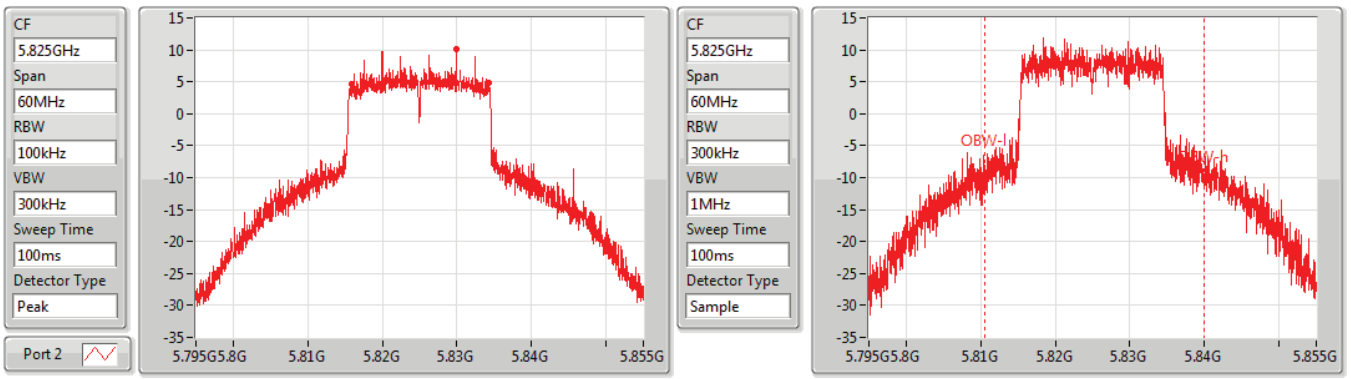


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.75M	5.77564G	5.79439G	22.729M	5.773666G	5.796394G	500k	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5825MHz

15/08/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.42M	5.81582G	5.83424G	29.415M	5.810607G	5.840022G	500k	2

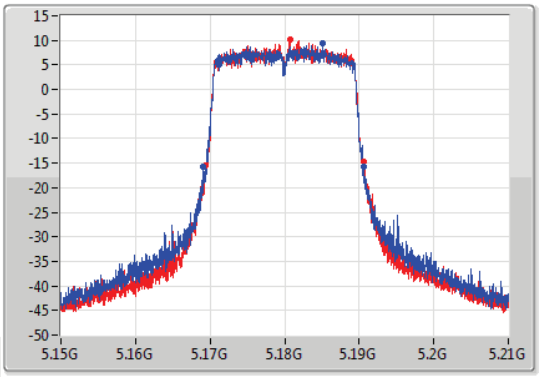
802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5180MHz

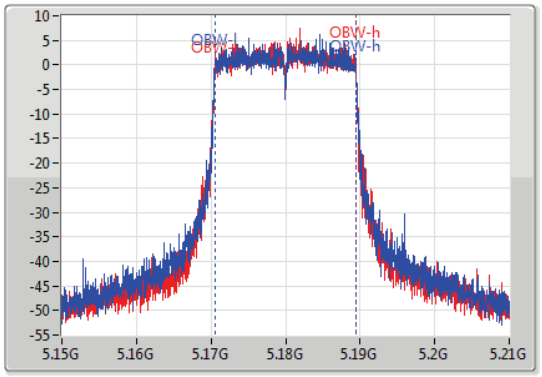
22/08/2019

CF	5.18GHz
Span	60MHz
RBW	300kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak

Port 1
Port 2



CF	5.18GHz
Span	60MHz
RBW	200kHz
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
21.51M	5.16905G	5.19056G	18.891M	5.170525G	5.189415G	Inf	1
21.09M	5.16947G	5.19056G	18.921M	5.170525G	5.189445G	Inf	2

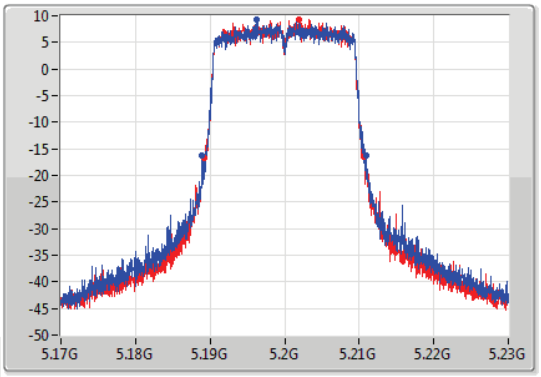
802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5200MHz

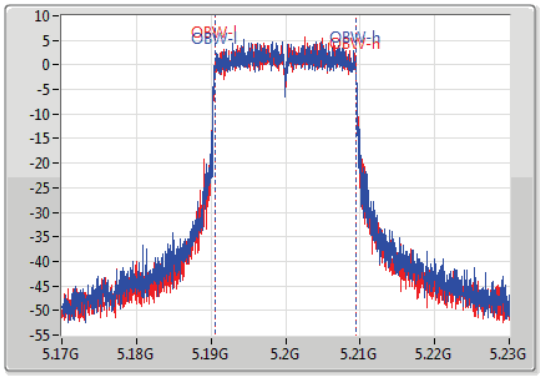
22/08/2019

CF	5.2GHz
Span	60MHz
RBW	300kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak

Port 1
Port 2



CF	5.2GHz
Span	60MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Sample

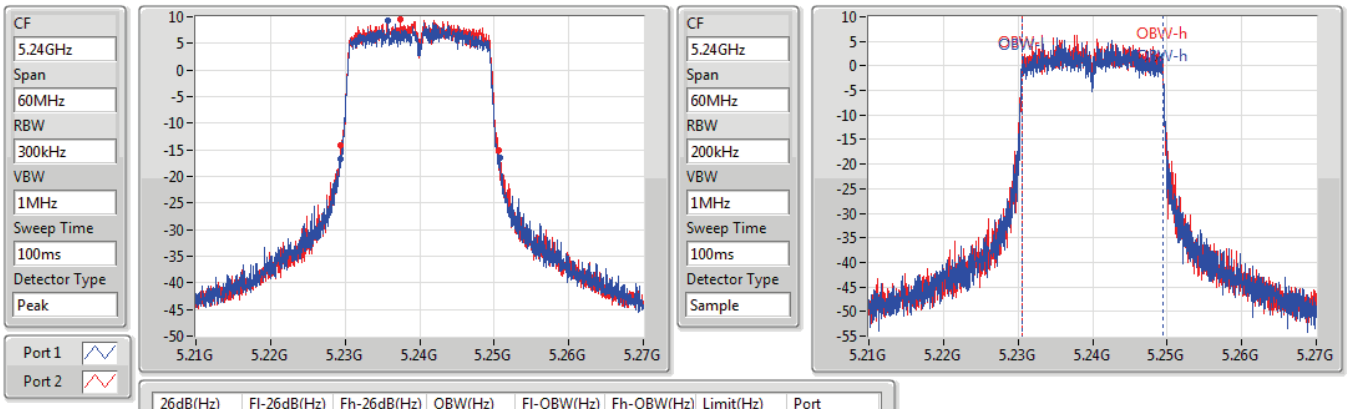


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.99M	5.18893G	5.21092G	18.951M	5.190495G	5.209445G	Inf	1
21.45M	5.18923G	5.21068G	18.891M	5.190525G	5.209415G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5240MHz

22/08/2019

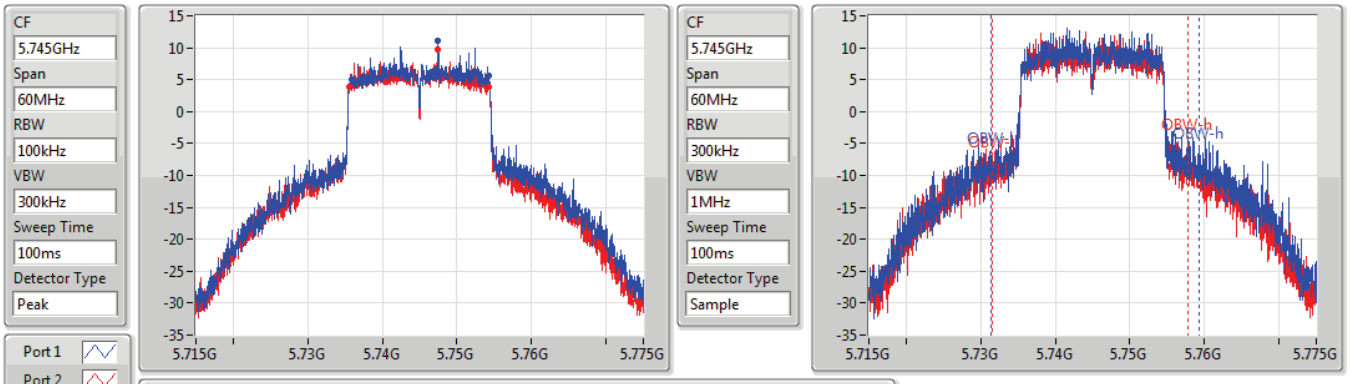


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.22935G	5.25074G	18.921M	5.230495G	5.249415G	Inf	1
21.3M	5.22935G	5.25065G	18.891M	5.230495G	5.249385G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5745MHz

15/08/2019

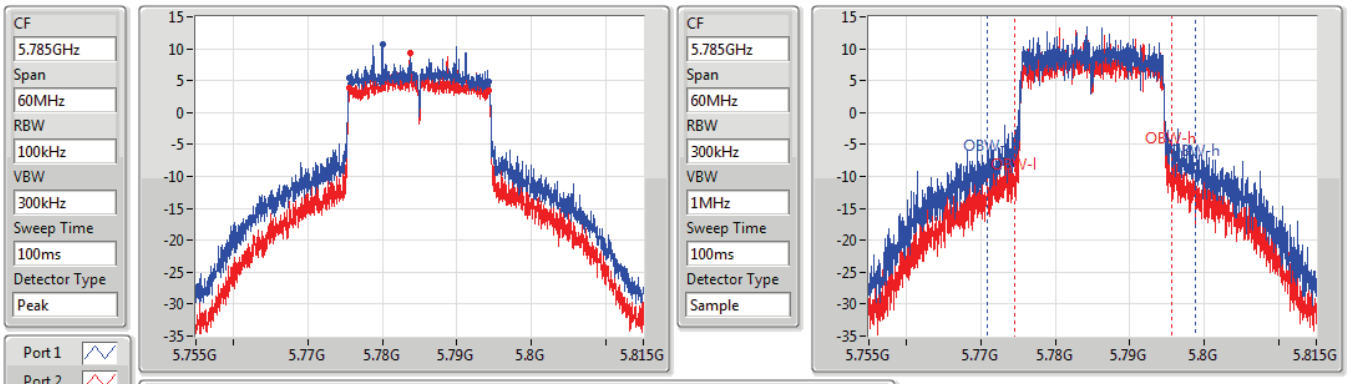


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.42M	5.73591G	5.75433G	28.006M	5.731357G	5.759363G	500k	1
18.81M	5.73552G	5.75433G	26.297M	5.731477G	5.757774G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5785MHz

15/08/2019

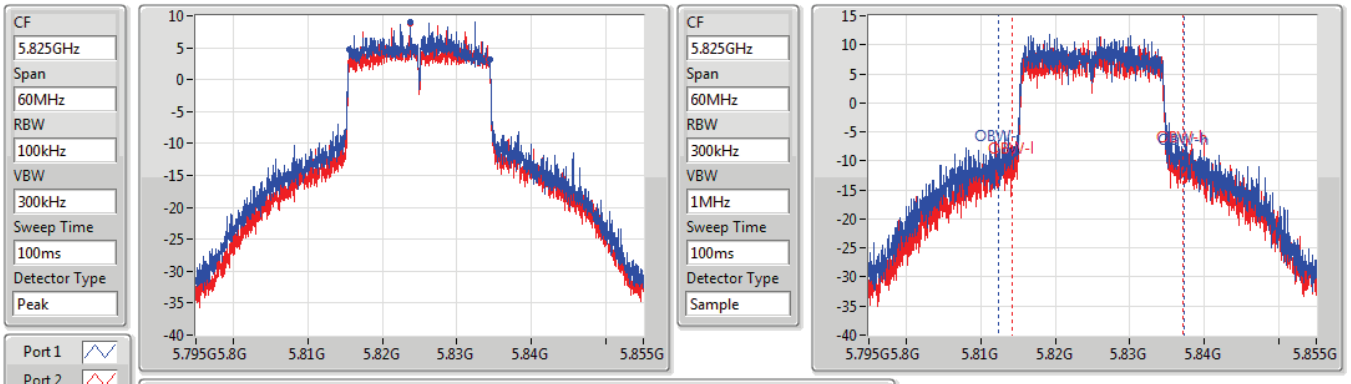


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.72M	5.77552G	5.79424G	27.916M	5.770817G	5.798733G	500k	1
18.72M	5.77558G	5.7943G	20.96M	5.774625G	5.795585G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5825MHz

15/08/2019

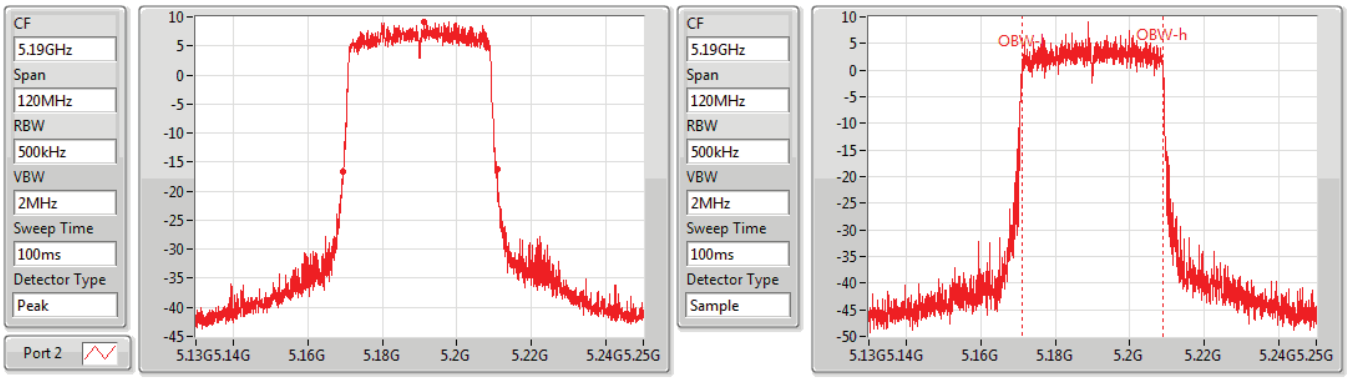


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.84M	5.81552G	5.83436G	24.828M	5.812436G	5.837264G	500k	1
18.63M	5.81567G	5.8343G	22.879M	5.814205G	5.837084G	500k	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) EBW

5190MHz

22/08/2019

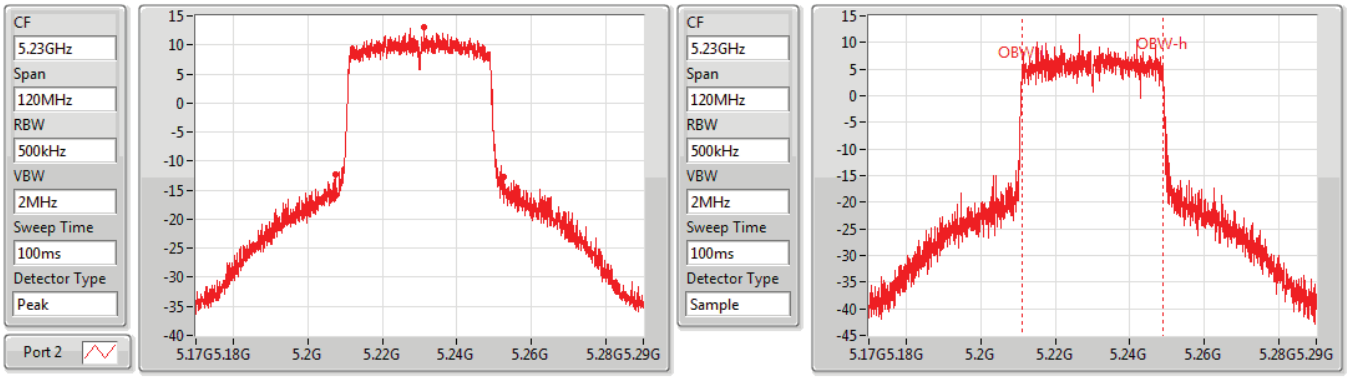


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.16M	5.1696G	5.21076G	37.661M	5.171109G	5.208771G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) EBW

5230MHz

22/08/2019

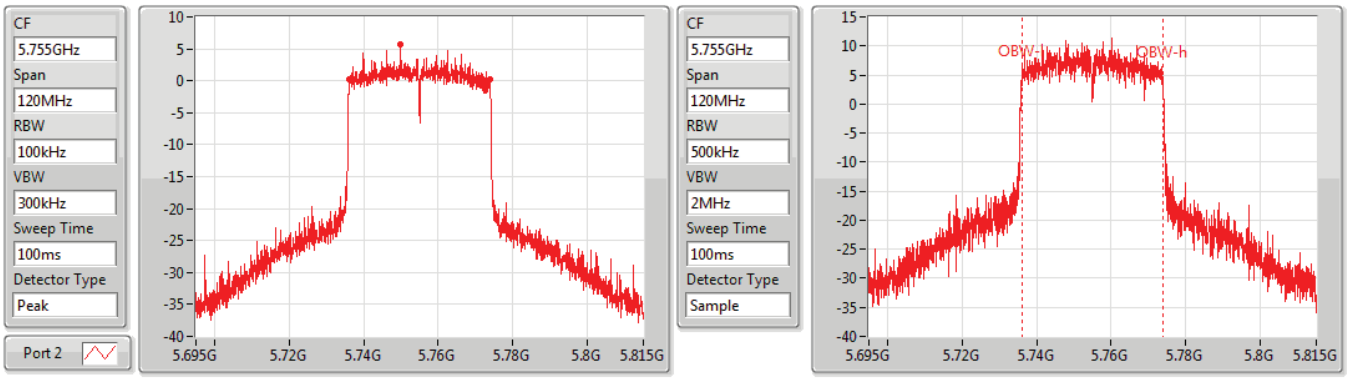


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.36M	5.20732G	5.25268G	37.841M	5.211049G	5.248891G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) EBW

5755MHz

15/08/2019

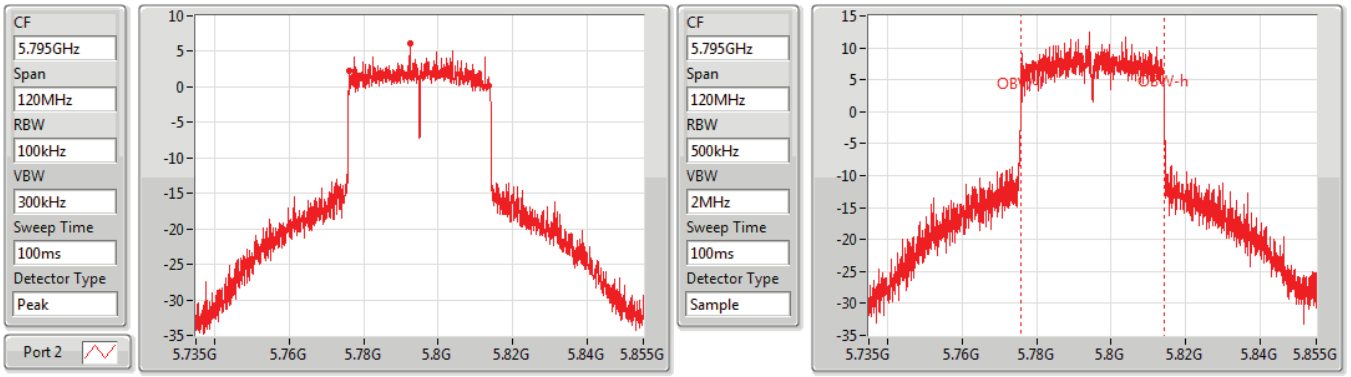


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.68M	5.73628G	5.77396G	37.841M	5.73599G	5.773831G	500k	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) EBW

5795MHz

15/08/2019

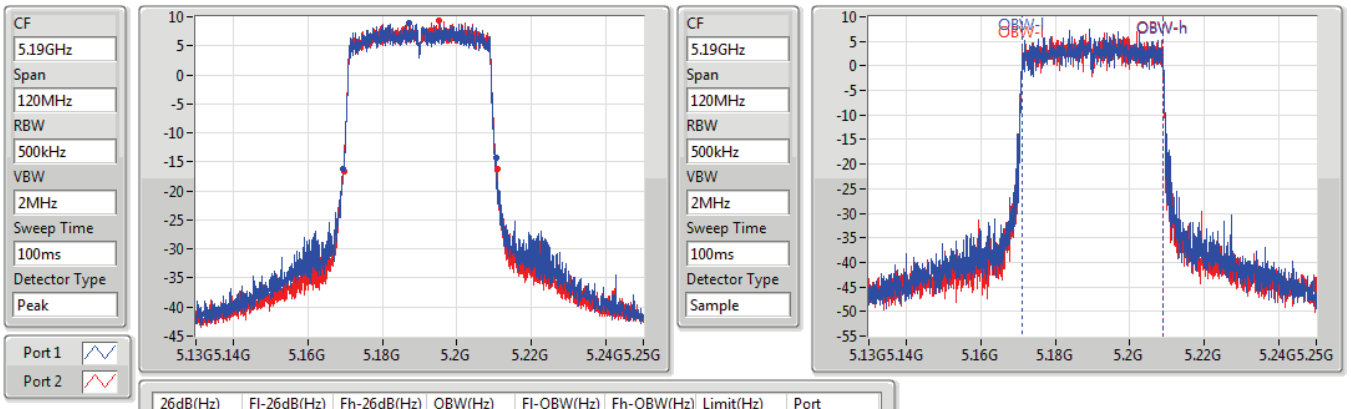


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	5.77616G	5.81366G	38.561M	5.77563G	5.81419G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5190MHz

22/08/2019

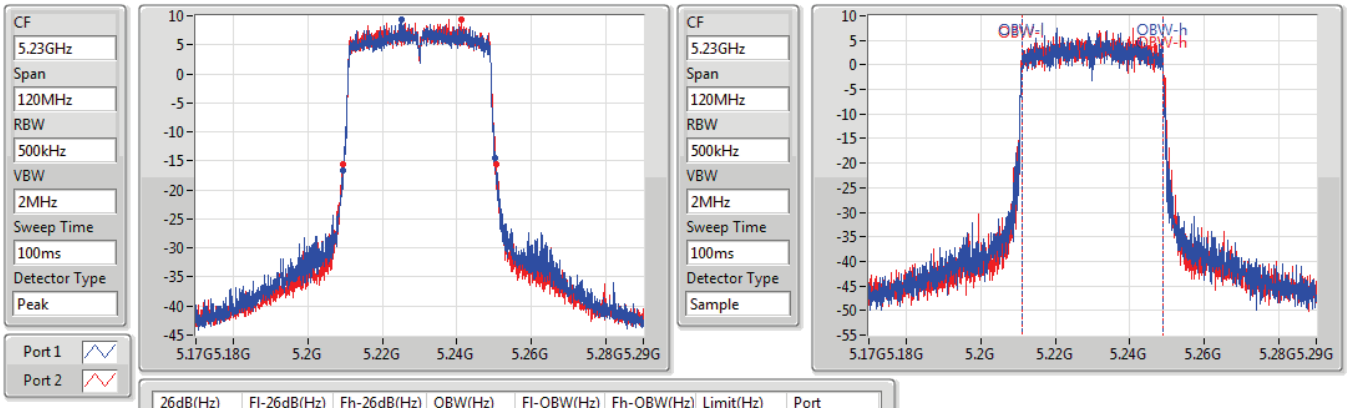


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.1M	5.16948G	5.21058G	37.781M	5.171049G	5.208831G	Inf	1
41.22M	5.16966G	5.21088G	37.661M	5.171109G	5.208771G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5230MHz

22/08/2019

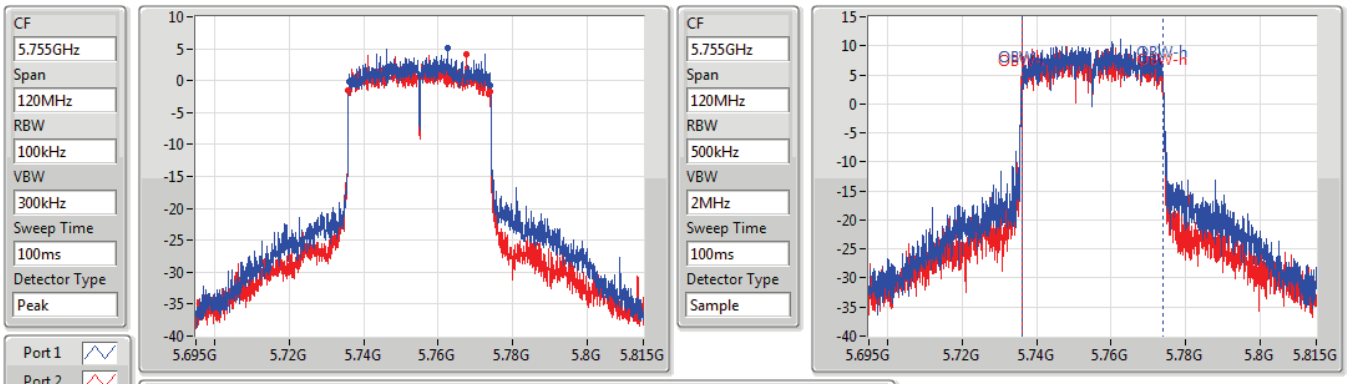


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.86M	5.20948G	5.25034G	37.661M	5.211109G	5.248771G	Inf	1
41.1M	5.20948G	5.25058G	37.721M	5.211109G	5.248831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5755MHz

15/08/2019

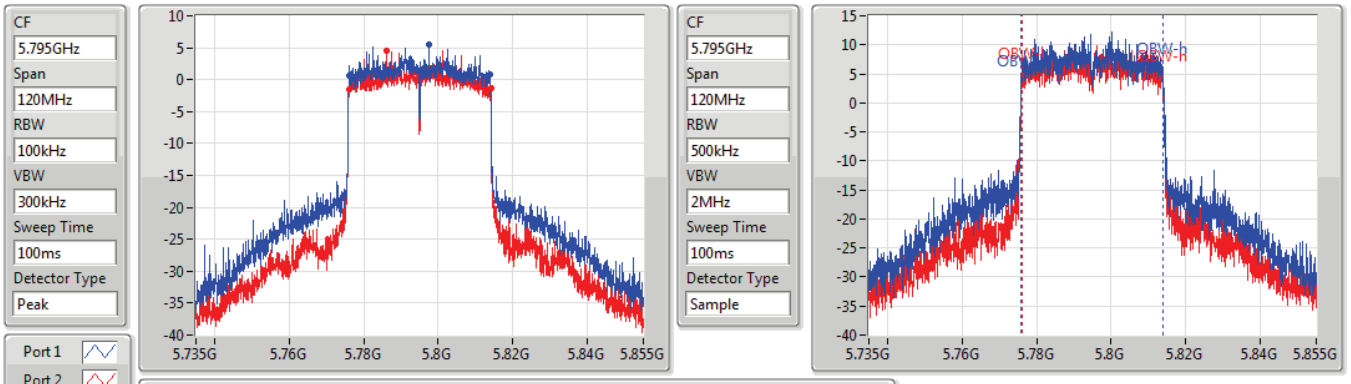


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.92M	5.73604G	5.77396G	37.841M	5.736049G	5.773891G	500k	1
37.92M	5.73592G	5.77384G	37.841M	5.73599G	5.773831G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5795MHz

15/08/2019

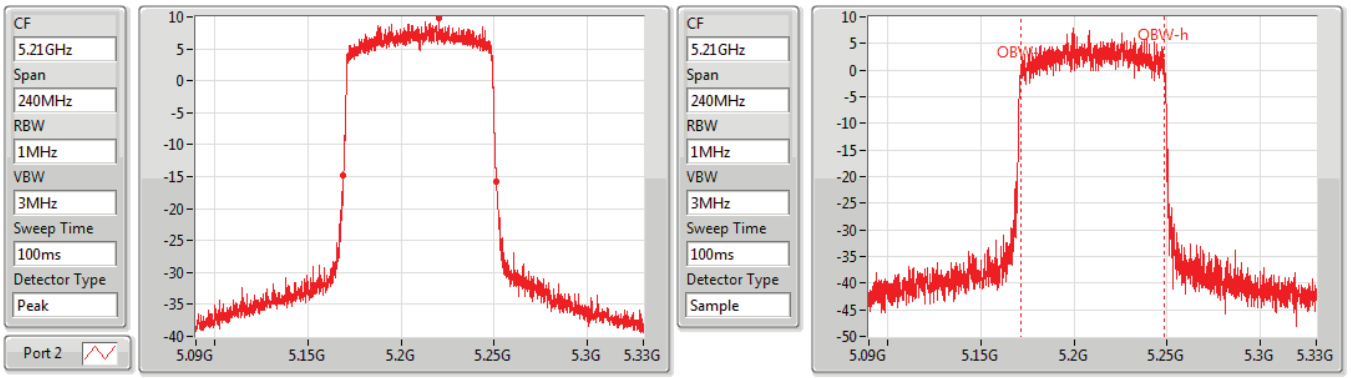


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.74M	5.7761G	5.81384G	37.961M	5.77593G	5.813891G	500k	1
37.98M	5.7761G	5.81408G	37.841M	5.77599G	5.813831G	500k	2

802.11ax HEW80_Nss1,(MCS0)_1TX(Port2) EBW

5210MHz

22/08/2019

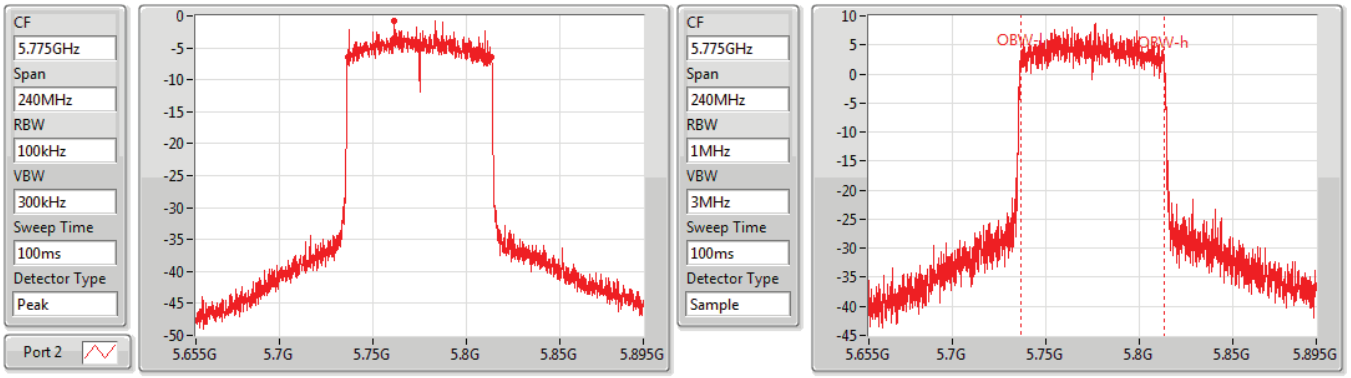


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	5.16896G	5.25128G	77.121M	5.171499G	5.248621G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_1TX(Port2) EBW

5775MHz

15/08/2019

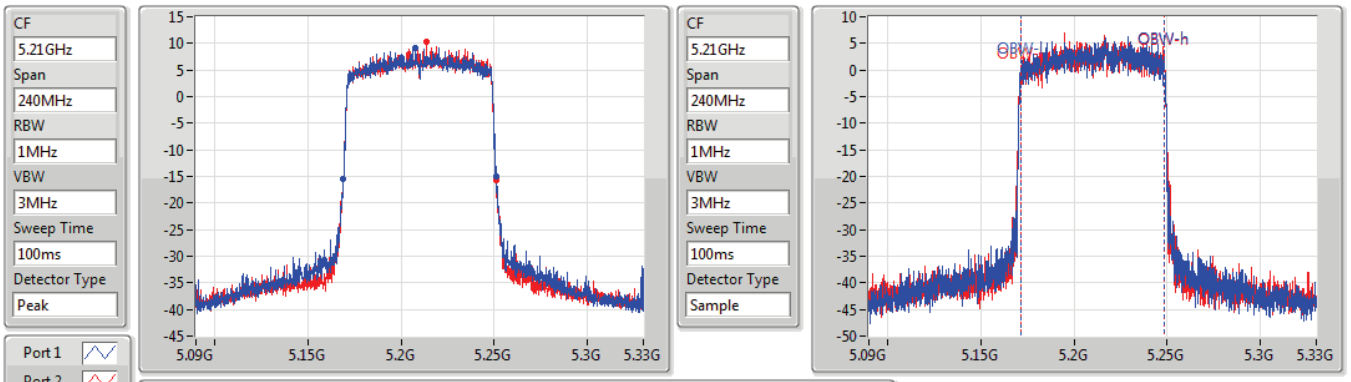


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.52M	5.73624G	5.81376G	77.121M	5.736259G	5.813381G	500k	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5210MHz

22/08/2019

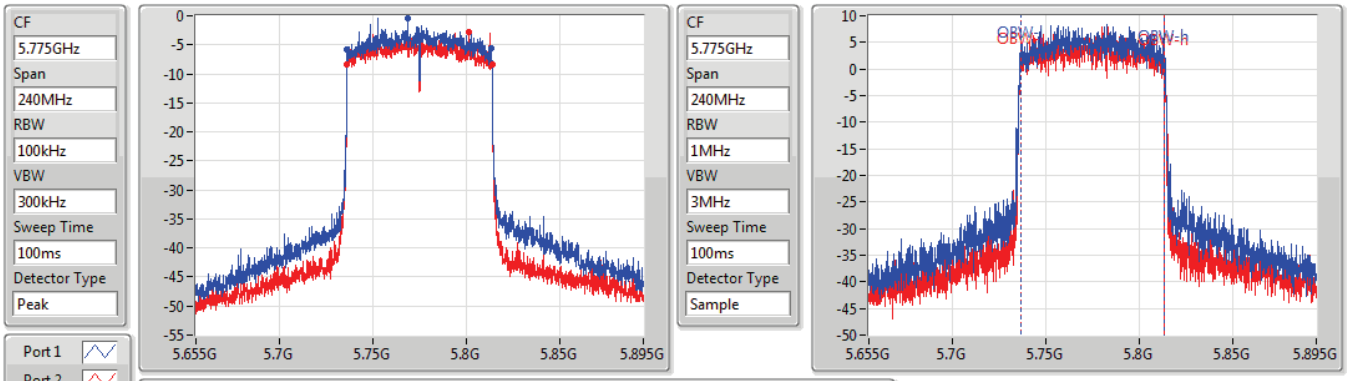


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	5.16908G	5.25128G	77.001M	5.171499G	5.248501G	Inf	1
82.08M	5.16908G	5.25116G	77.121M	5.171499G	5.248621G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5775MHz

15/08/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.16M	5.73612G	5.81328G	77.001M	5.736379G	5.813381G	500k	1
77.88M	5.73612G	5.814G	77.121M	5.736379G	5.813501G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	19.05M	16.372M	16M4D1D	18.9M	16.372M
802.11a_Nss1,(6Mbps)_2TX	19.29M	16.402M	16M4D1D	19.02M	16.372M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	20.79M	17.601M	17M6D1D	20.64M	17.601M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.88M	17.631M	17M6D1D	20.43M	17.571M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	40.5M	36.042M	36M0D1D	40.44M	36.042M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.74M	36.102M	36M1D1D	40.26M	36.042M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	81.96M	75.322M	75M3D1D	81.96M	75.322M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.72M	75.562M	75M6D1D	81.6M	75.442M
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	21.42M	18.921M	18M9D1D	21.27M	18.891M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.42M	18.951M	19M0D1D	20.97M	18.891M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	40.92M	37.721M	37M7D1D	40.74M	37.661M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.22M	37.841M	37M8D1D	40.98M	37.661M
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	81.72M	77.001M	77M0D1D	81.72M	77.001M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.84M	77.001M	77M0D1D	81.84M	77.001M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	16.29M	25.517M	25M5D1D	15.75M	17.001M
802.11a_Nss1,(6Mbps)_2TX	16.29M	25.817M	25M8D1D	15.33M	17.091M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	17.61M	17.661M	17M7D1D	17.28M	17.601M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.58M	17.841M	17M8D1D	17.13M	17.601M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	36.3M	36.102M	36M1D1D	36.06M	36.042M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.3M	36.102M	36M1D1D	35.88M	36.042M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	72.24M	75.562M	75M6D1D	72.24M	75.562M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.12M	75.562M	75M6D1D	73.44M	75.322M
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	18.93M	18.981M	19M0D1D	18.84M	18.921M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.96M	19.04M	19M0D1D	18.72M	18.921M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	37.98M	37.721M	37M7D1D	37.92M	37.661M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.92M	37.841M	37M8D1D	37.5M	37.721M
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	77.88M	77.361M	77M4D1D	77.88M	77.361M
802.11ax HEW80_Nss1,(MCS0)_2TX	77.28M	77.361M	77M4D1D	76.08M	77.001M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
5180MHz	Pass	Inf			18.96M	16.372M
5200MHz	Pass	Inf			19.05M	16.372M
5240MHz	Pass	Inf			18.9M	16.372M
5745MHz	Pass	500k			16.26M	17.451M
5785MHz	Pass	500k			15.75M	25.517M
5825MHz	Pass	500k			16.29M	17.001M
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.05M	16.372M	19.29M	16.402M
5200MHz	Pass	Inf	19.02M	16.402M	19.26M	16.372M
5240MHz	Pass	Inf	19.02M	16.372M	19.23M	16.402M
5745MHz	Pass	500k	16.29M	23.838M	16.29M	21.199M
5785MHz	Pass	500k	15.33M	25.817M	16.02M	21.859M
5825MHz	Pass	500k	15.63M	20.45M	16.29M	17.091M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5180MHz	Pass	Inf			20.64M	17.601M
5200MHz	Pass	Inf			20.67M	17.601M
5240MHz	Pass	Inf			20.79M	17.601M
5745MHz	Pass	500k			17.61M	17.601M
5785MHz	Pass	500k			17.28M	17.661M
5825MHz	Pass	500k			17.52M	17.601M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.67M	17.601M	20.43M	17.601M
5200MHz	Pass	Inf	20.88M	17.571M	20.64M	17.601M
5240MHz	Pass	Inf	20.82M	17.571M	20.79M	17.631M
5745MHz	Pass	500k	17.55M	17.601M	17.58M	17.601M
5785MHz	Pass	500k	17.52M	17.841M	17.28M	17.691M
5825MHz	Pass	500k	17.13M	17.691M	17.55M	17.631M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5190MHz	Pass	Inf			40.44M	36.042M
5230MHz	Pass	Inf			40.5M	36.042M
5755MHz	Pass	500k			36.3M	36.102M
5795MHz	Pass	500k			36.06M	36.042M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.68M	36.102M	40.74M	36.042M
5230MHz	Pass	Inf	40.5M	36.102M	40.26M	36.102M
5755MHz	Pass	500k	36.3M	36.042M	35.88M	36.102M
5795MHz	Pass	500k	35.94M	36.102M	36.3M	36.102M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5210MHz	Pass	Inf			81.96M	75.322M
5775MHz	Pass	500k			72.24M	75.562M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.72M	75.562M	81.6M	75.442M
5775MHz	Pass	500k	73.44M	75.322M	75.12M	75.562M

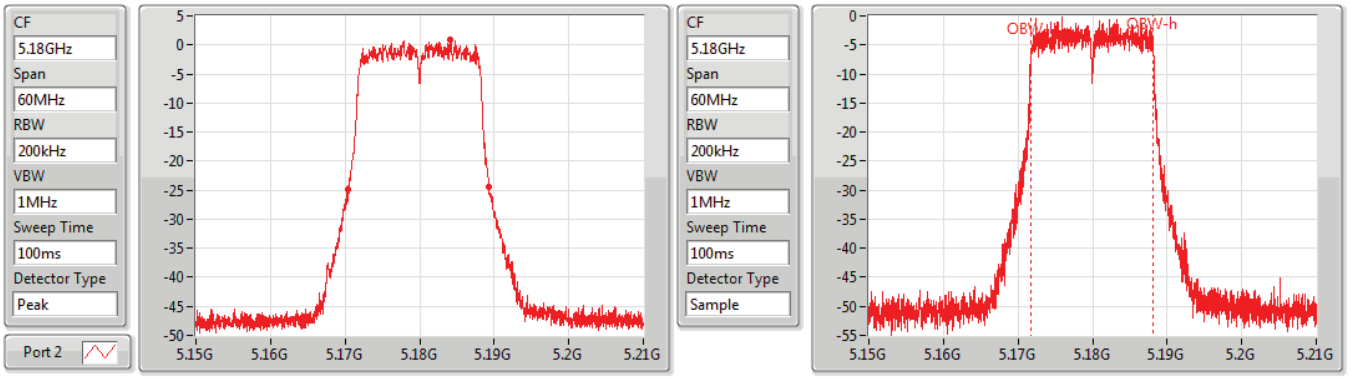
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5180MHz	Pass	Inf			21.27M	18.891M
5200MHz	Pass	Inf			21.42M	18.891M
5240MHz	Pass	Inf			21.36M	18.921M
5745MHz	Pass	500k			18.93M	18.921M
5785MHz	Pass	500k			18.84M	18.981M
5825MHz	Pass	500k			18.87M	18.951M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.24M	18.921M	21.24M	18.891M
5200MHz	Pass	Inf	21.42M	18.951M	21.33M	18.921M
5240MHz	Pass	Inf	20.97M	18.891M	21.36M	18.921M
5745MHz	Pass	500k	18.93M	18.921M	18.72M	18.921M
5785MHz	Pass	500k	18.75M	19.04M	18.9M	18.951M
5825MHz	Pass	500k	18.96M	18.951M	18.84M	18.951M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5190MHz	Pass	Inf			40.74M	37.661M
5230MHz	Pass	Inf			40.92M	37.721M
5755MHz	Pass	500k			37.92M	37.661M
5795MHz	Pass	500k			37.98M	37.721M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.98M	37.661M	41.22M	37.721M
5230MHz	Pass	Inf	40.98M	37.721M	41.22M	37.841M
5755MHz	Pass	500k	37.92M	37.841M	37.5M	37.781M
5795MHz	Pass	500k	37.92M	37.721M	37.74M	37.721M
802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
5210MHz	Pass	Inf			81.72M	77.001M
5775MHz	Pass	500k			77.88M	77.361M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.84M	77.001M	81.84M	77.001M
5775MHz	Pass	500k	76.08M	77.001M	77.28M	77.361M

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)_1TX(Port2) EBW

5180MHz

22/08/2019

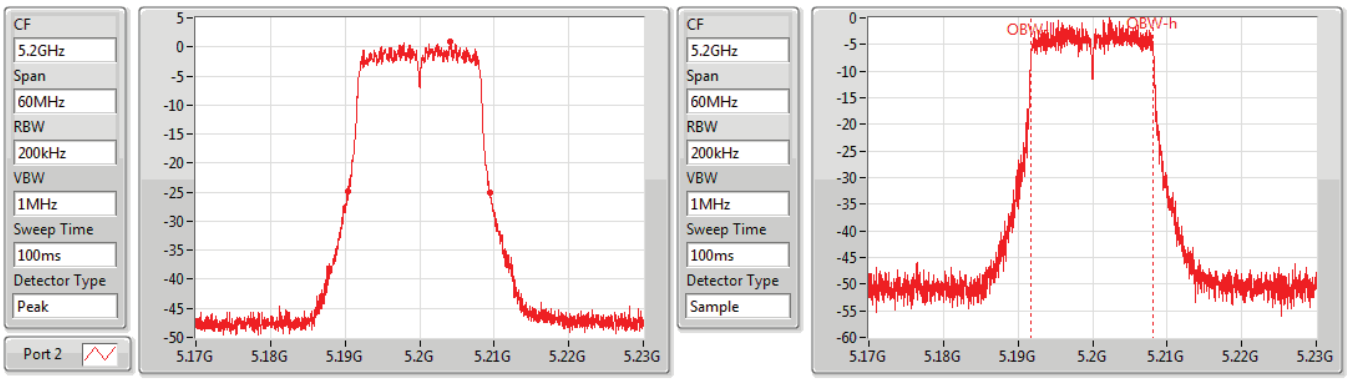


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.96M	5.17034G	5.1893G	16.372M	5.171784G	5.188156G	Inf	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5200MHz

22/08/2019

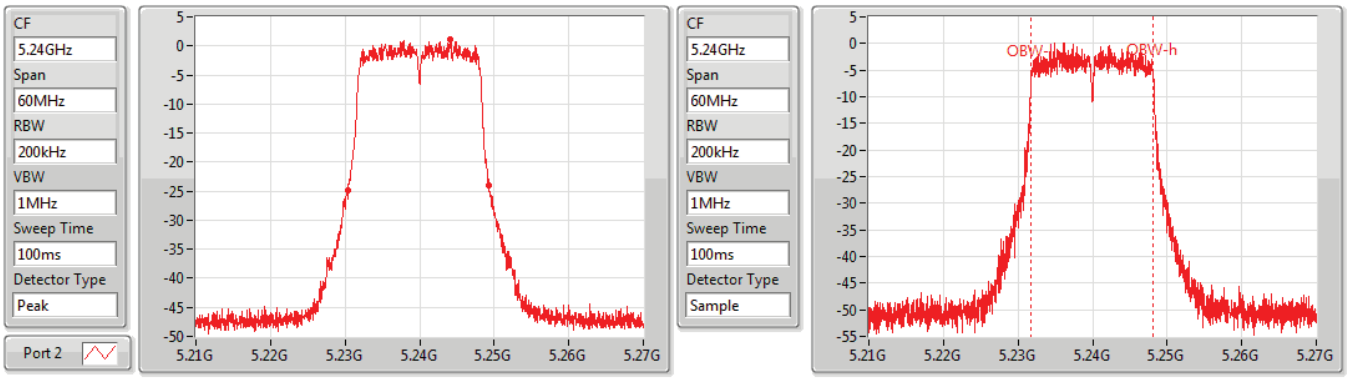


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	5.19031G	5.20936G	16.372M	5.191784G	5.208156G	Inf	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5240MHz

22/08/2019

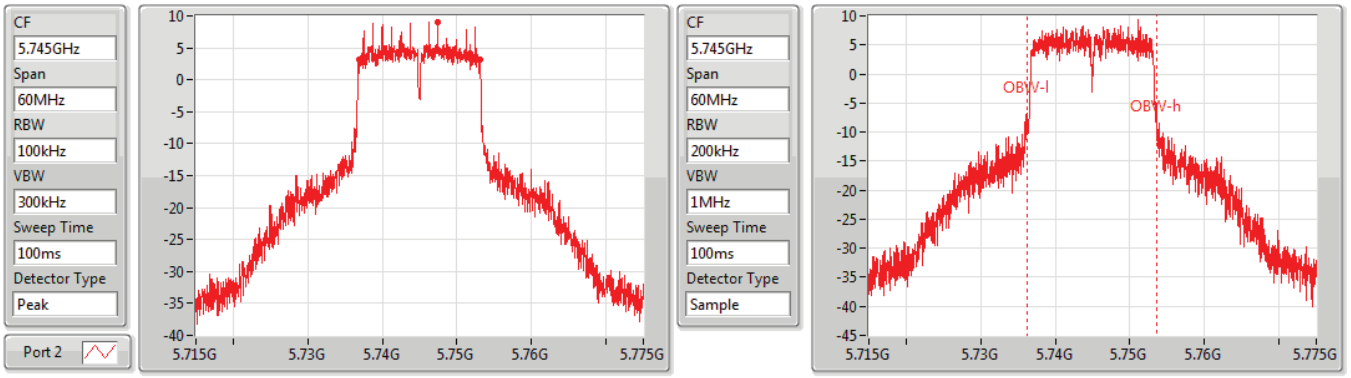


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	5.2304G	5.2493G	16.372M	5.231784G	5.248156G	Inf	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5745MHz

16/08/2019

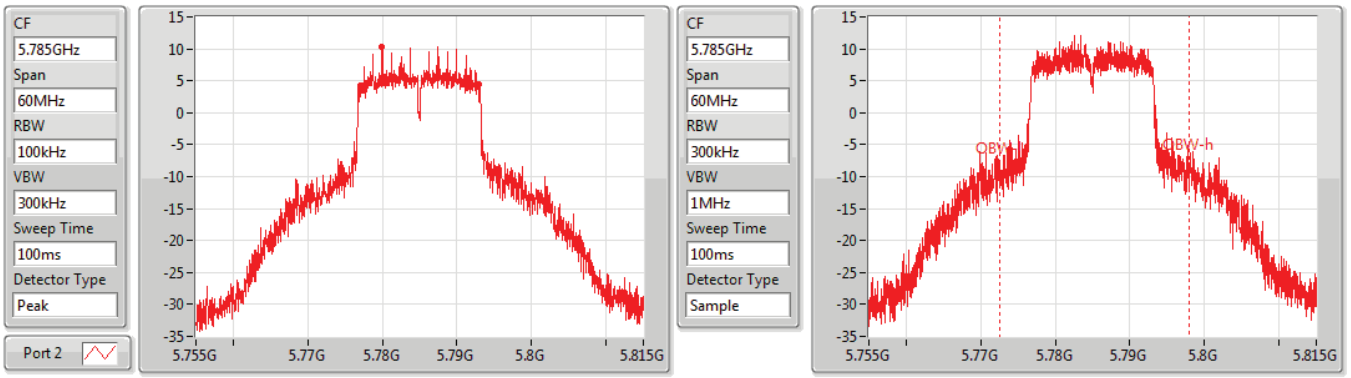


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.26M	5.73684G	5.7531G	17.451M	5.736154G	5.753606G	500k	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5785MHz

16/08/2019

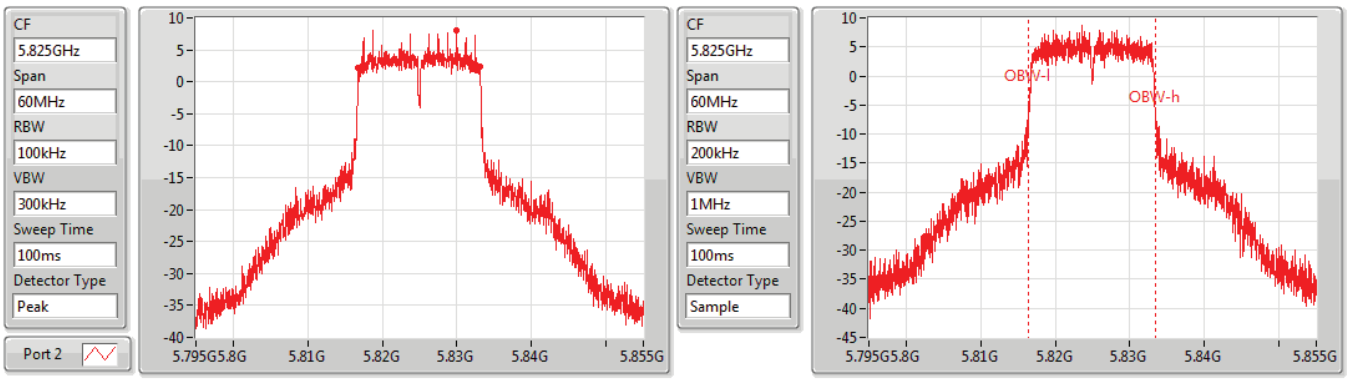


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.75M	5.77711G	5.79286G	25.517M	5.772466G	5.797984G	500k	2

802.11a_Nss1,(6Mbps)_1TX(Port2) EBW

5825MHz

16/08/2019

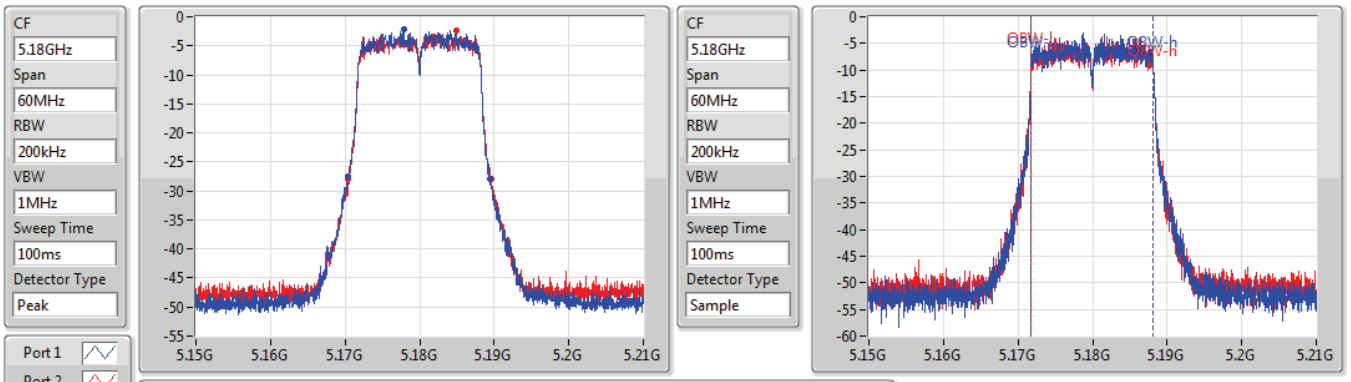


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.81681G	5.8331G	17.001M	5.816454G	5.833456G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

22/08/2019

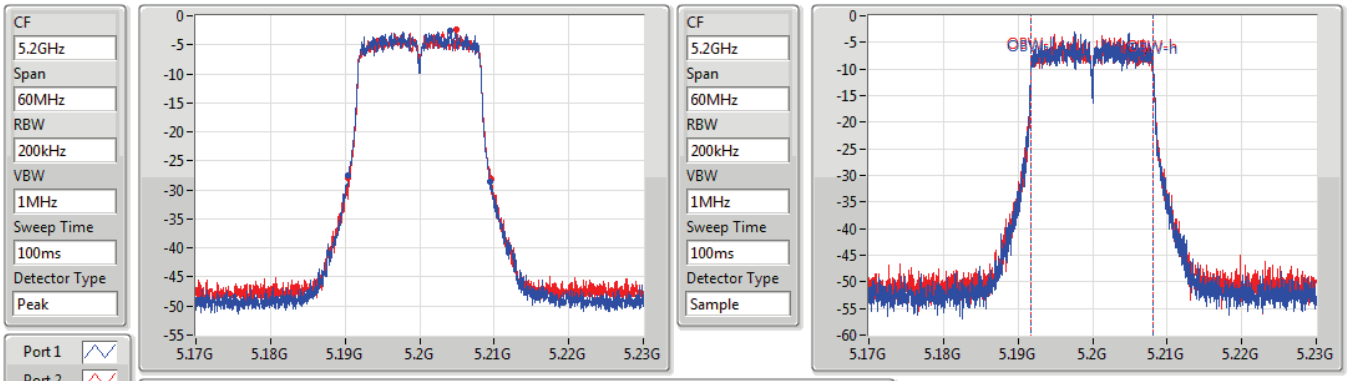


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	5.17034G	5.18939G	16.372M	5.171784G	5.188156G	Inf	1
19.29M	5.17034G	5.18963G	16.402M	5.171784G	5.188186G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

22/08/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.02M	5.19034G	5.20936G	16.402M	5.191754G	5.208156G	Inf	1
19.26M	5.19037G	5.20963G	16.372M	5.191784G	5.208156G	Inf	2

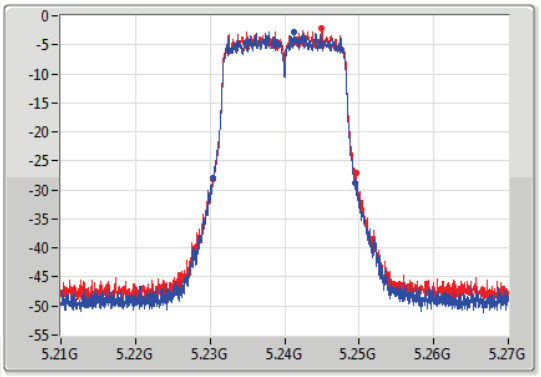
802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

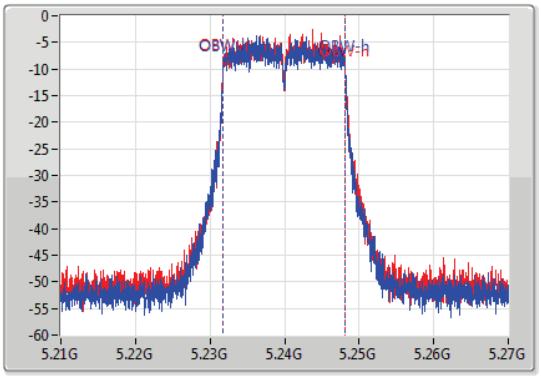
22/08/2019

CF	5.24GHz
Span	60MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak

Port 1
Port 2



CF	5.24GHz
Span	60MHz
RBW	200kHz
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
19.02M	5.23034G	5.24936G	16.372M	5.231784G	5.248156G	Inf	1
19.23M	5.23031G	5.24954G	16.402M	5.231784G	5.248186G	Inf	2

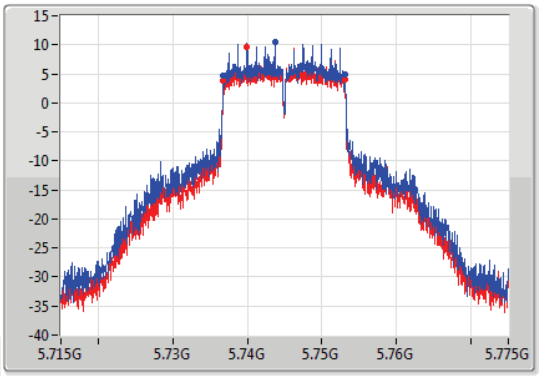
802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

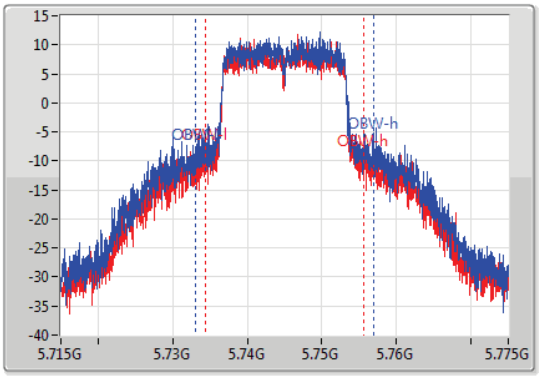
16/08/2019

CF	5.745GHz
Span	60MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak

Port 1
Port 2



CF	5.745GHz
Span	60MHz
RBW	300kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Sample

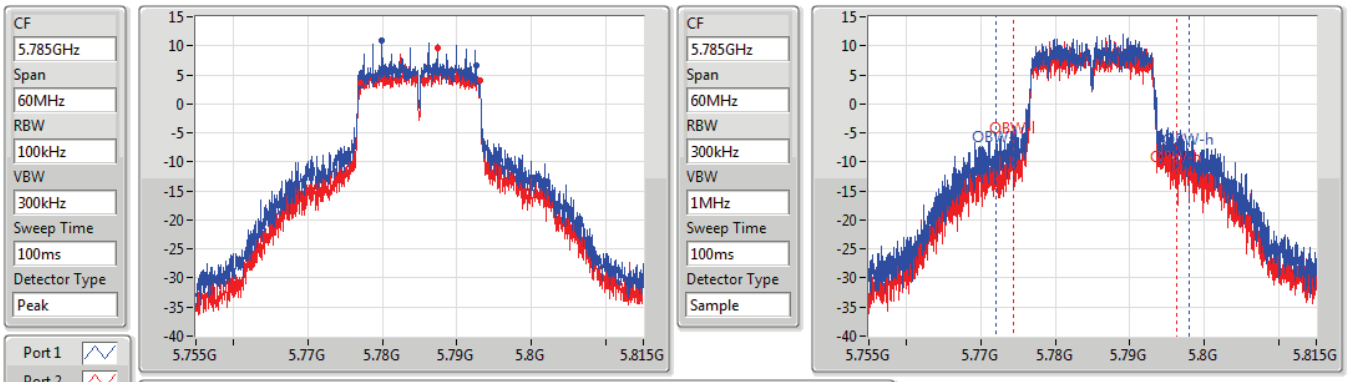


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.73681G	5.7531G	23.838M	5.733036G	5.756874G	500k	1
16.29M	5.73681G	5.7531G	21.199M	5.734385G	5.755585G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

16/08/2019

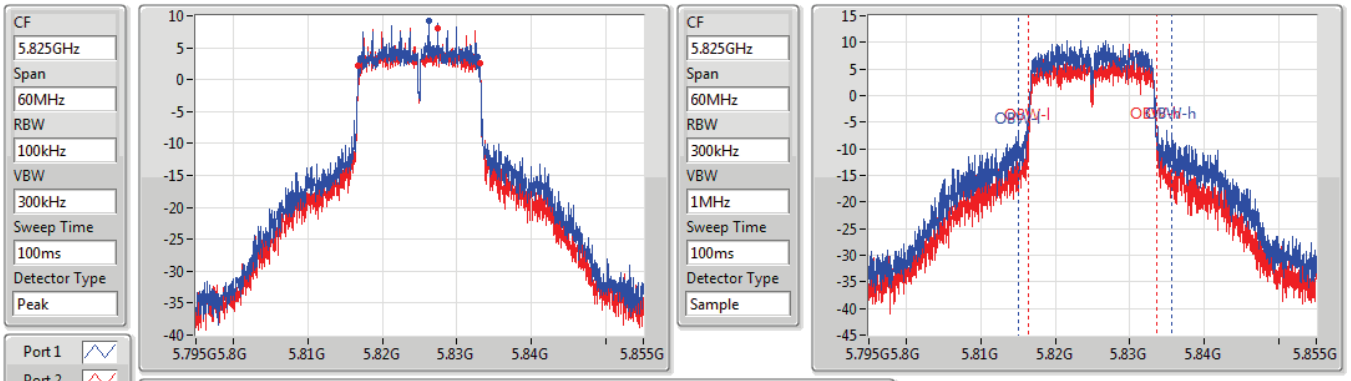


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.33M	5.7772G	5.79253G	25.817M	5.772106G	5.797924G	500k	1
16.02M	5.77708G	5.7931G	21.859M	5.774385G	5.796244G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

16/08/2019

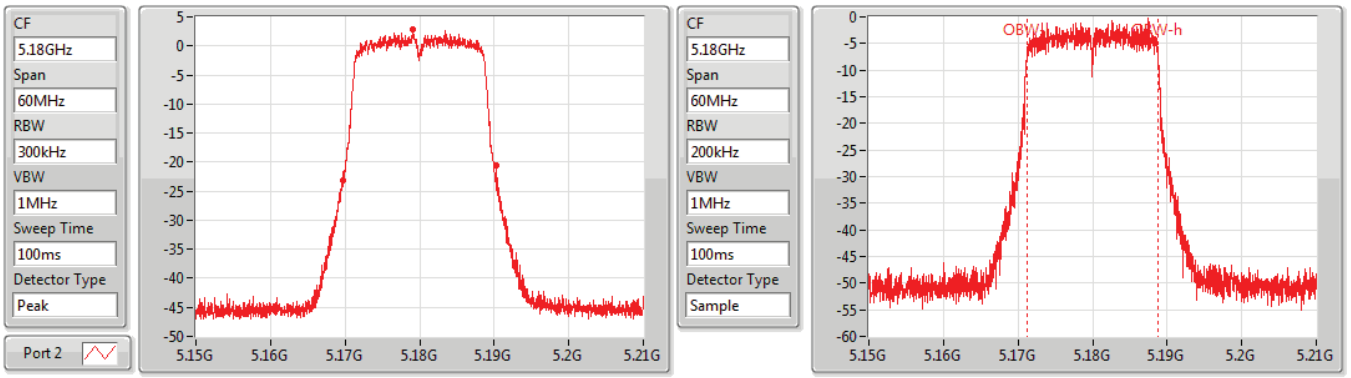


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.63M	5.81708G	5.83271G	20.45M	5.815105G	5.835555G	500k	1
16.29M	5.81681G	5.8331G	17.091M	5.816454G	5.833546G	500k	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5180MHz

22/08/2019

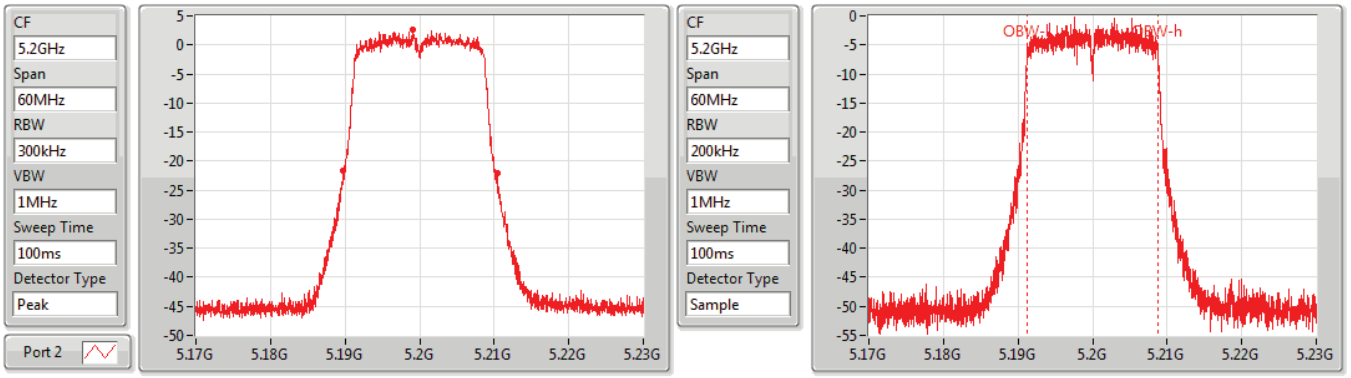


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.64M	5.16971G	5.19035G	17.601M	5.171184G	5.188786G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5200MHz

22/08/2019

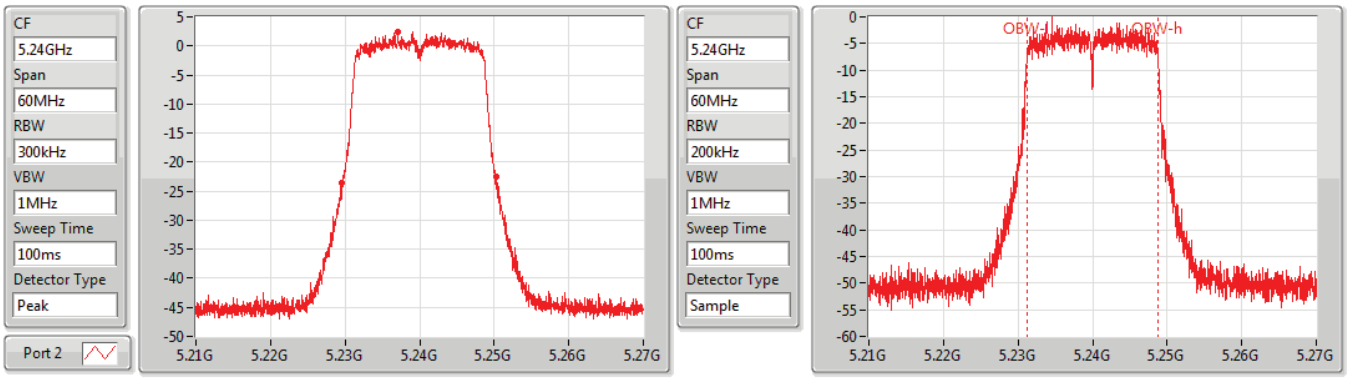


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.67M	5.18971G	5.21038G	17.601M	5.191184G	5.208786G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5240MHz

22/08/2019

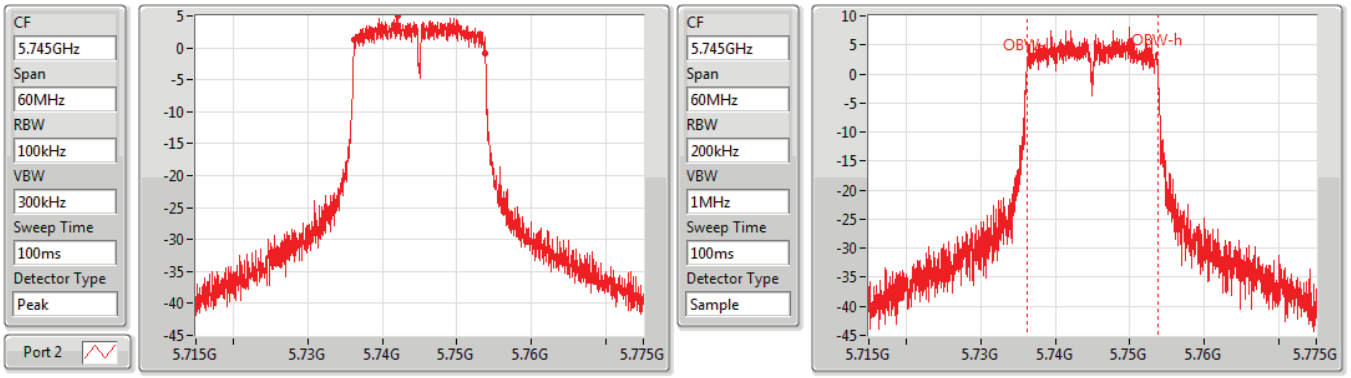


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.79M	5.22956G	5.25035G	17.601M	5.231184G	5.248786G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5745MHz

16/08/2019

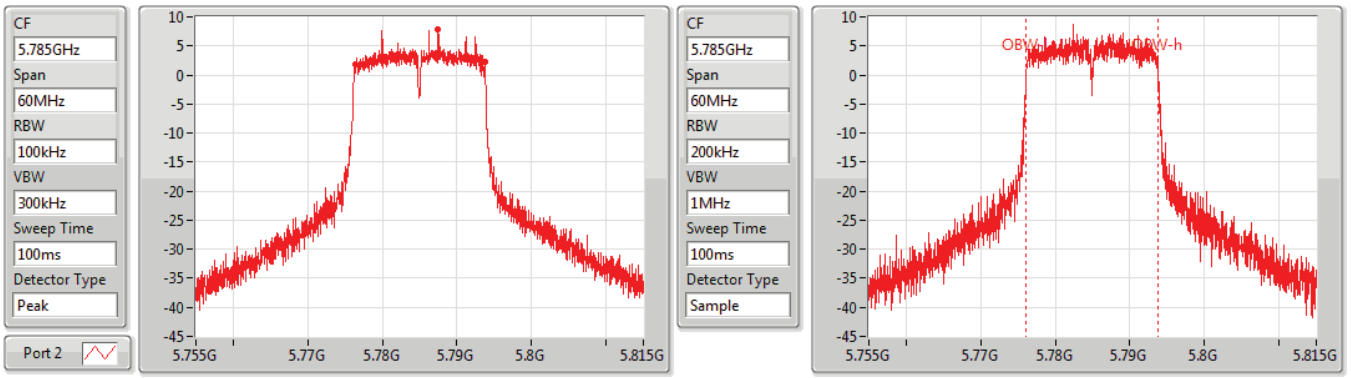


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.61M	5.73618G	5.75379G	17.601M	5.736154G	5.753756G	500k	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5785MHz

16/08/2019

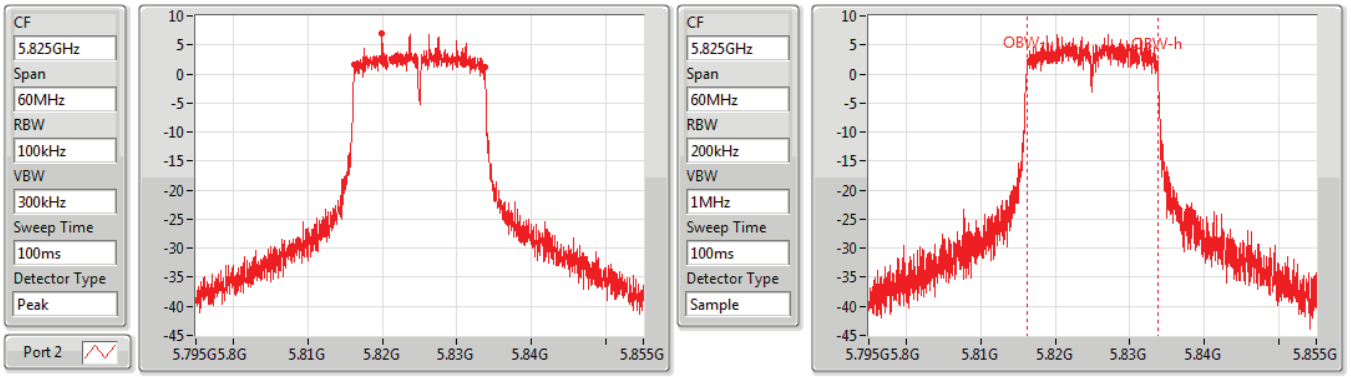


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.28M	5.77645G	5.79373G	17.661M	5.776124G	5.793786G	500k	2

802.11ac VHT20_Nss1,(MCS0)_1TX(Port2) EBW

5825MHz

16/08/2019

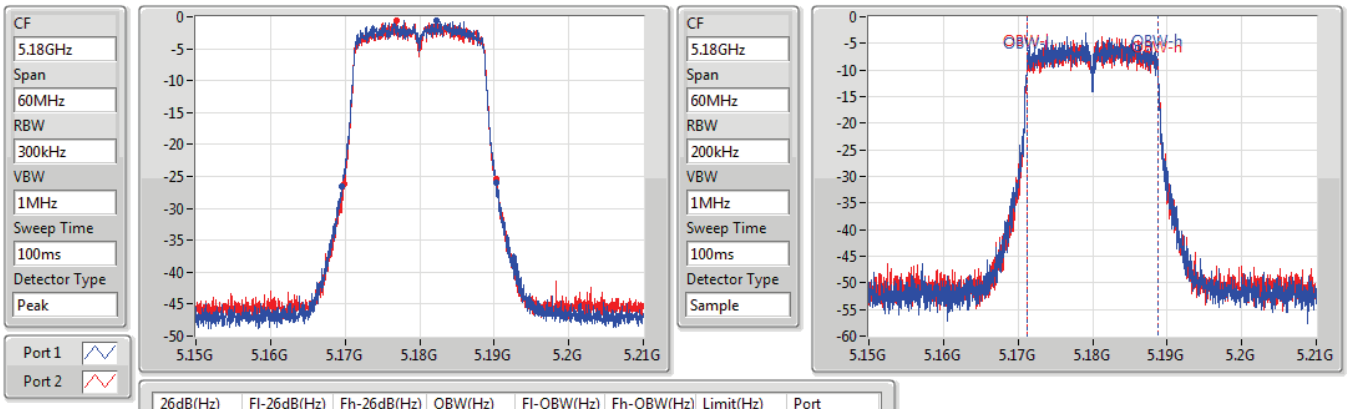


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.81621G	5.83373G	17.601M	5.816154G	5.833756G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

22/08/2019

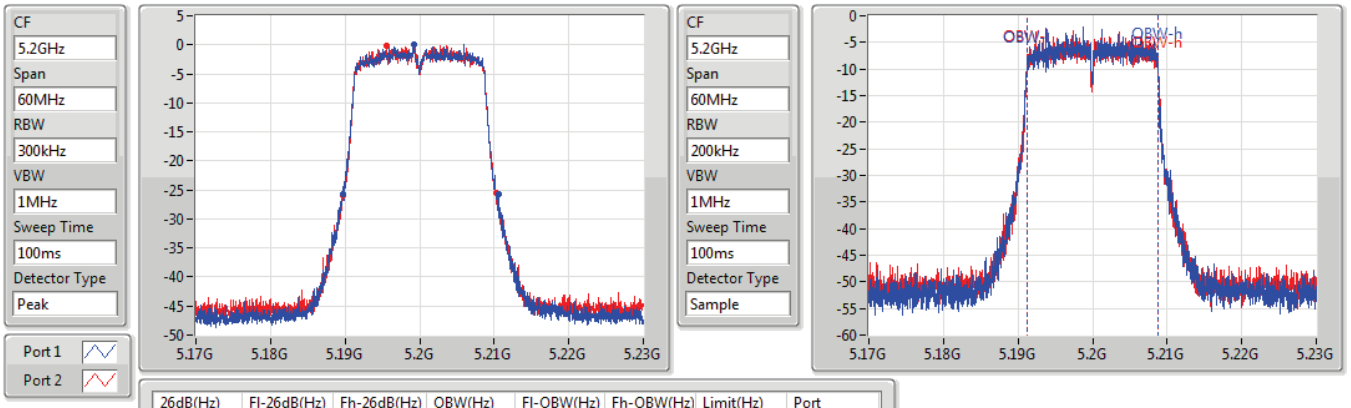


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.67M	5.16962G	5.19029G	17.601M	5.171154G	5.188756G	Inf	1
20.43M	5.16986G	5.19029G	17.601M	5.171184G	5.188786G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

22/08/2019

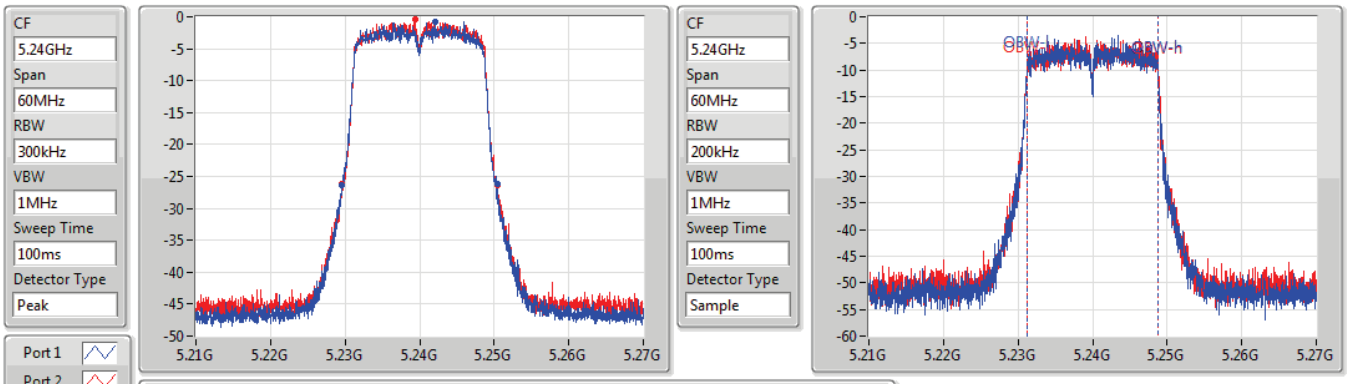


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.88M	5.18965G	5.21053G	17.571M	5.191184G	5.208756G	Inf	1
20.64M	5.18965G	5.21029G	17.601M	5.191184G	5.208786G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

22/08/2019

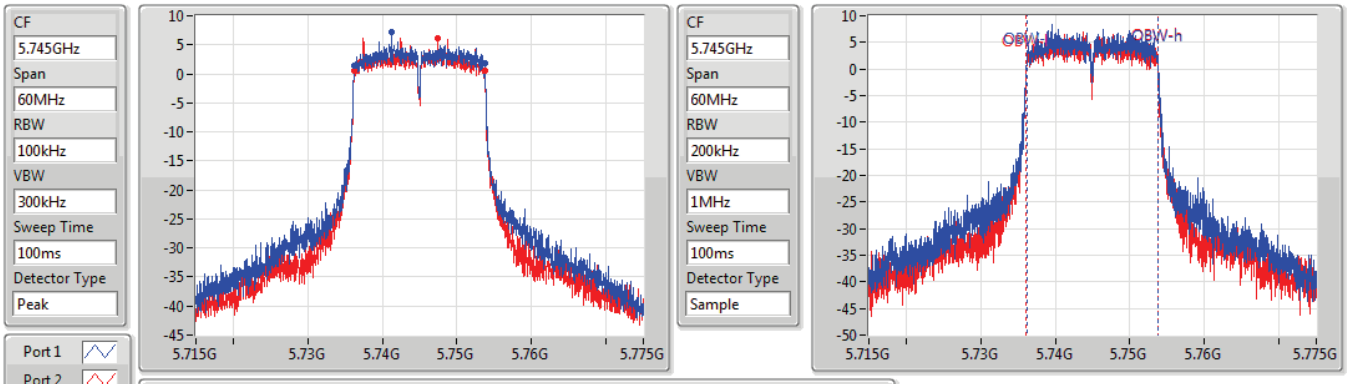


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.82M	5.22962G	5.25044G	17.571M	5.231184G	5.248756G	Inf	1
20.79M	5.22962G	5.25041G	17.631M	5.231154G	5.248786G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

16/08/2019

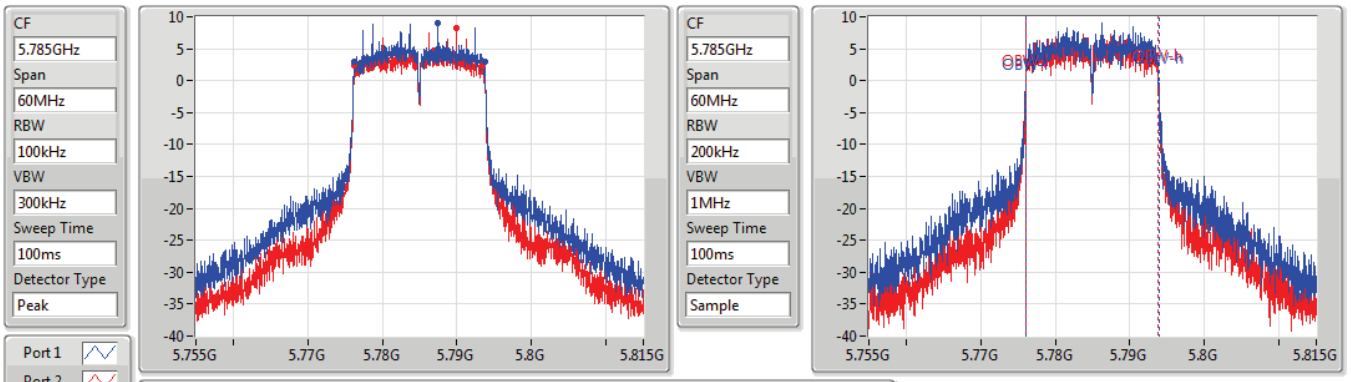


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.73618G	5.75373G	17.601M	5.736154G	5.753756G	500k	1
17.58M	5.73618G	5.75376G	17.601M	5.736124G	5.753726G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

16/08/2019

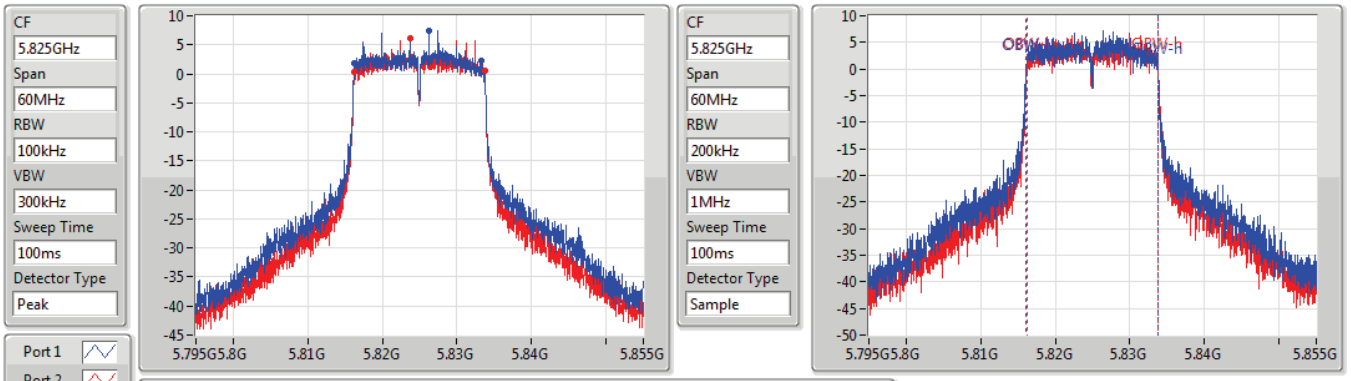


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.77618G	5.7937G	17.841M	5.776034G	5.793876G	500k	1
17.28M	5.77621G	5.79349G	17.691M	5.776094G	5.793786G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

16/08/2019

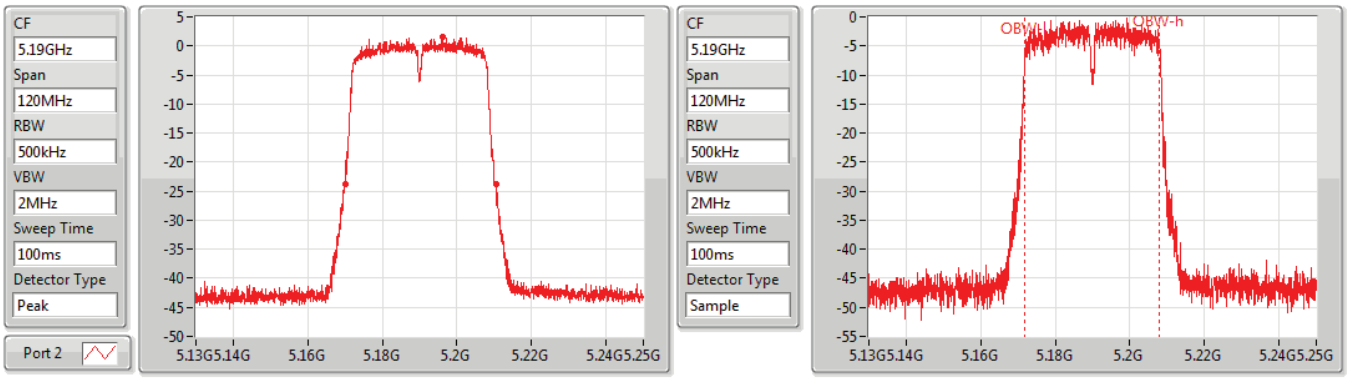


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.13M	5.81621G	5.83334G	17.691M	5.816094G	5.833786G	500k	1
17.55M	5.81618G	5.83373G	17.631M	5.816154G	5.833786G	500k	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2) EBW

5190MHz

22/08/2019

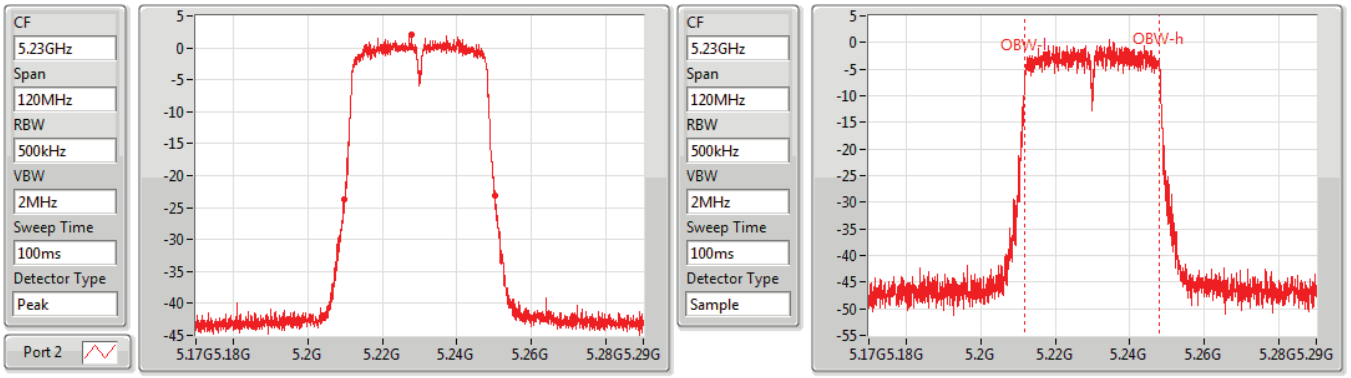


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.44M	5.16996G	5.2104G	36.042M	5.171949G	5.207991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2) EBW

5230MHz

22/08/2019

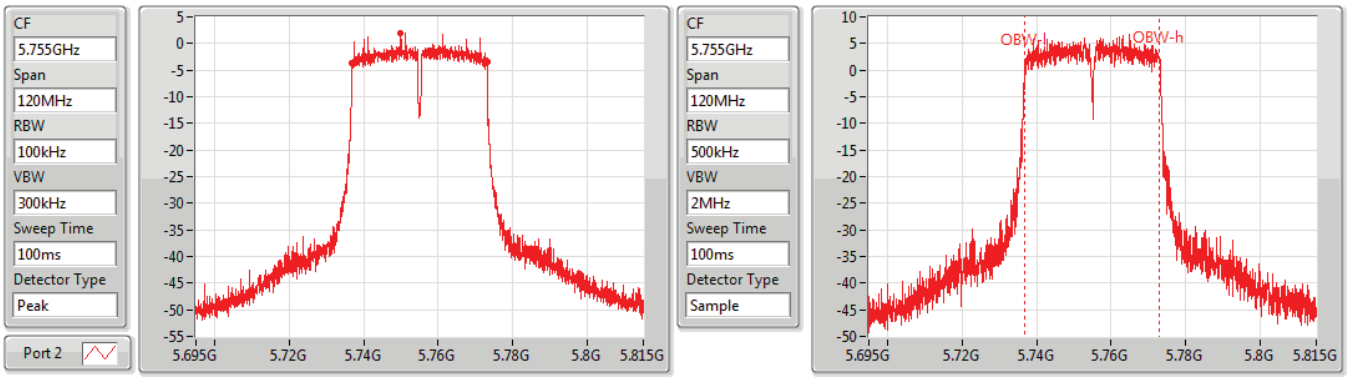


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	5.20978G	5.25028G	36.042M	5.211949G	5.247991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2) EBW

5755MHz

16/08/2019

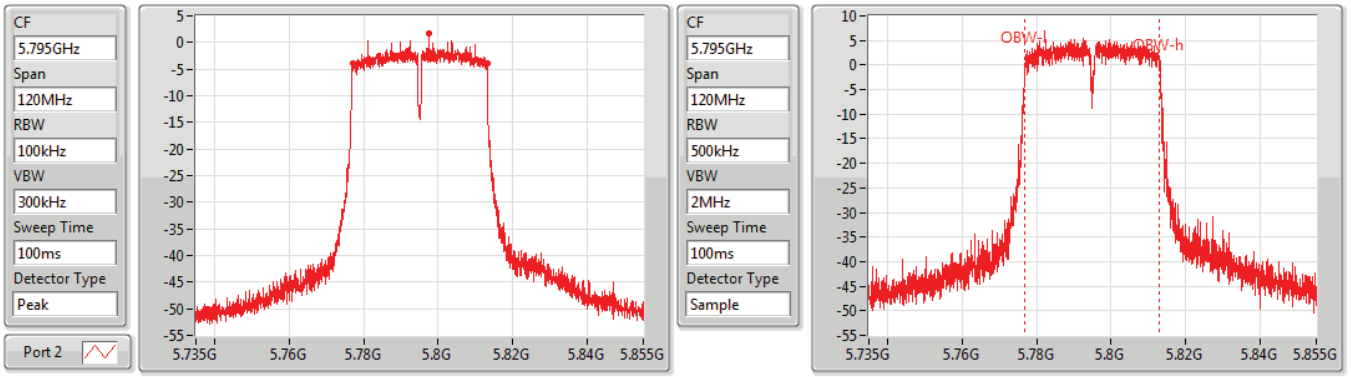


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.73682G	5.77312G	36.102M	5.736889G	5.772991G	500k	2

802.11ac VHT40_Nss1,(MCS0)_1TX(Port2) EBW

5795MHz

16/08/2019

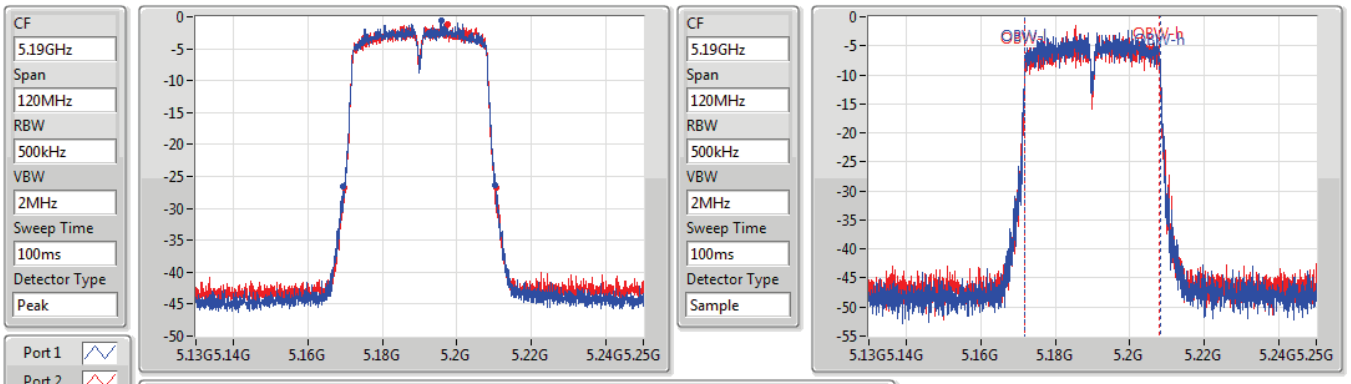


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.06M	5.77706G	5.81312G	36.042M	5.776949G	5.812991G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

22/08/2019

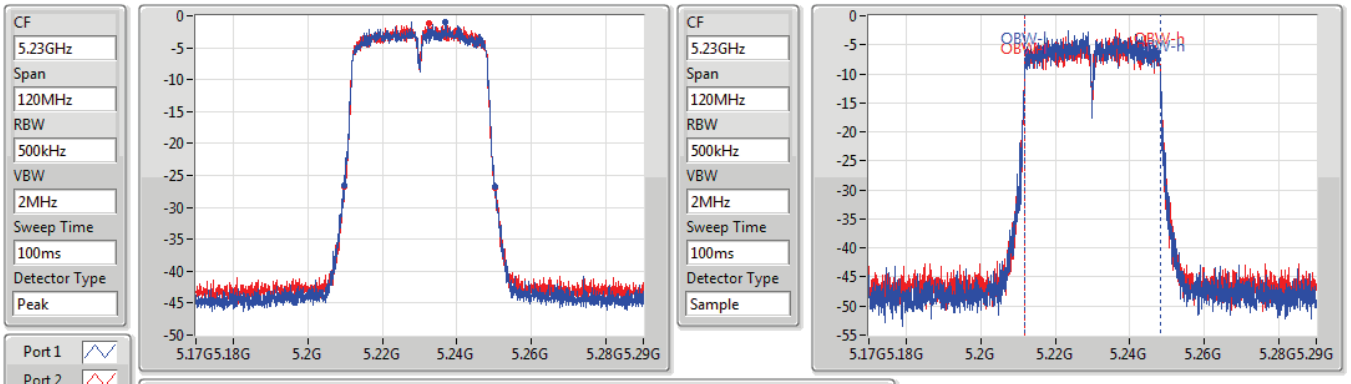


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.68M	5.1696G	5.21028G	36.102M	5.171949G	5.208051G	Inf	1
40.74M	5.16978G	5.21052G	36.042M	5.171949G	5.207991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

22/08/2019

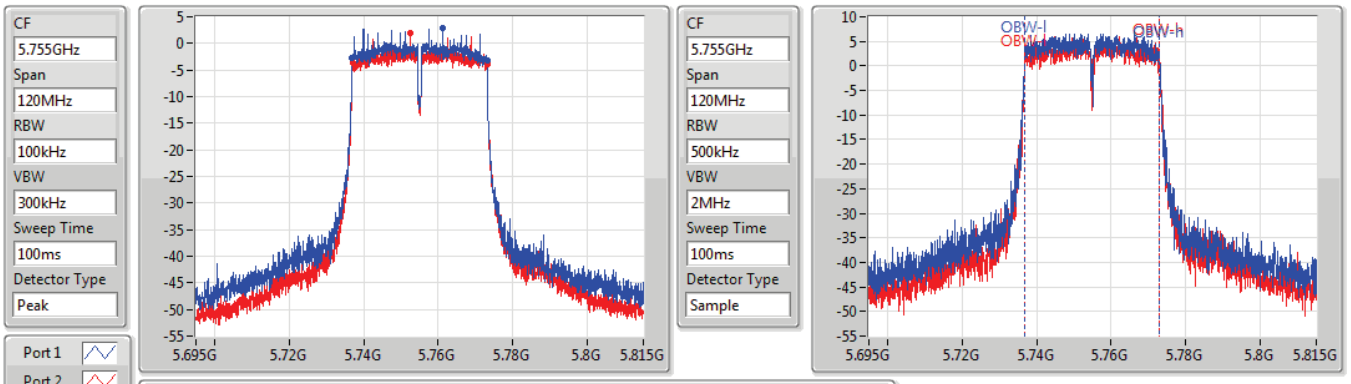


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	5.20978G	5.25028G	36.102M	5.211949G	5.248051G	Inf	1
40.26M	5.20984G	5.2501G	36.102M	5.211949G	5.248051G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

16/08/2019

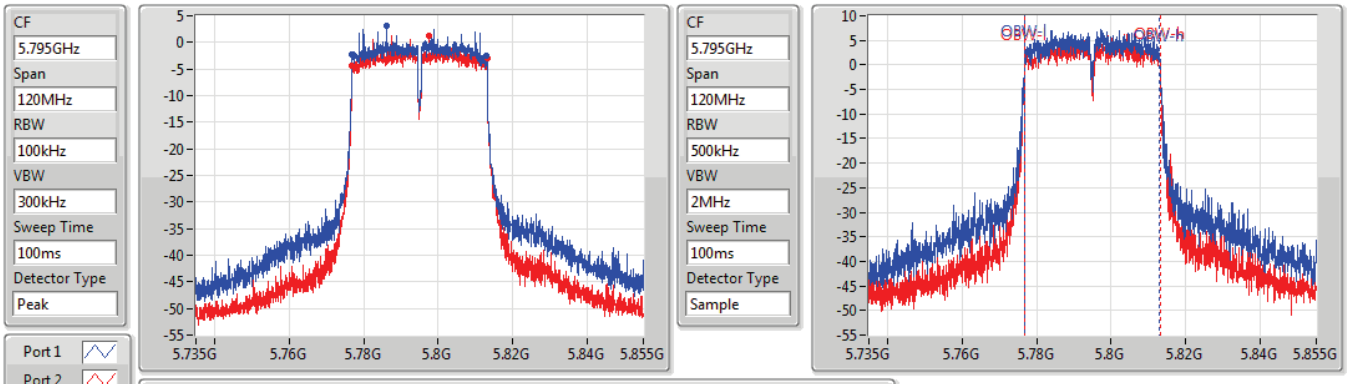


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.73682G	5.77312G	36.042M	5.736889G	5.772931G	500k	1
35.88M	5.73724G	5.77312G	36.102M	5.736889G	5.772991G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5795MHz

16/08/2019

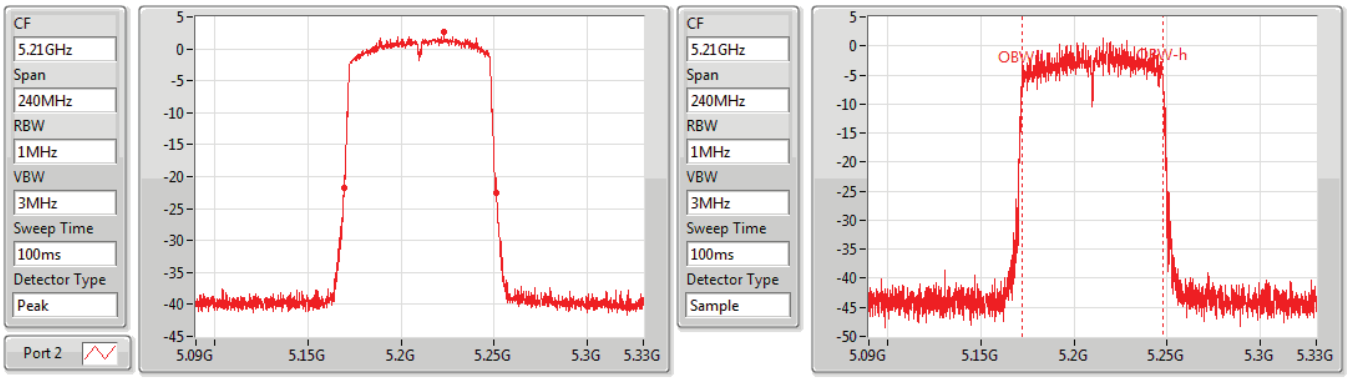


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.94M	5.77682G	5.81276G	36.102M	5.776889G	5.812991G	500k	1
36.3M	5.77682G	5.81312G	36.102M	5.776949G	5.813051G	500k	2

802.11ac VHT80_Nss1,(MCS0)_1TX(Port2) EBW

5210MHz

22/08/2019

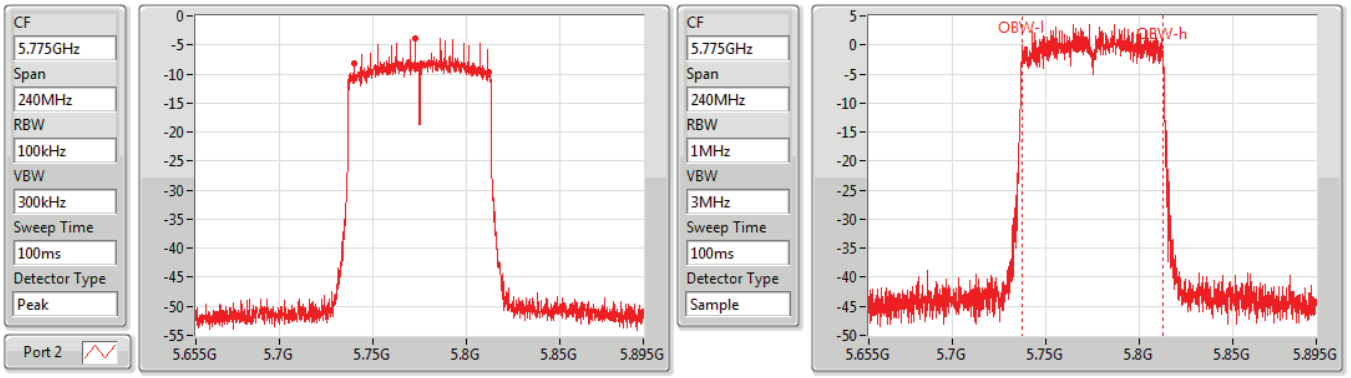


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	5.16932G	5.25128G	75.322M	5.172339G	5.247661G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_1TX(Port2) EBW

5775MHz

16/08/2019

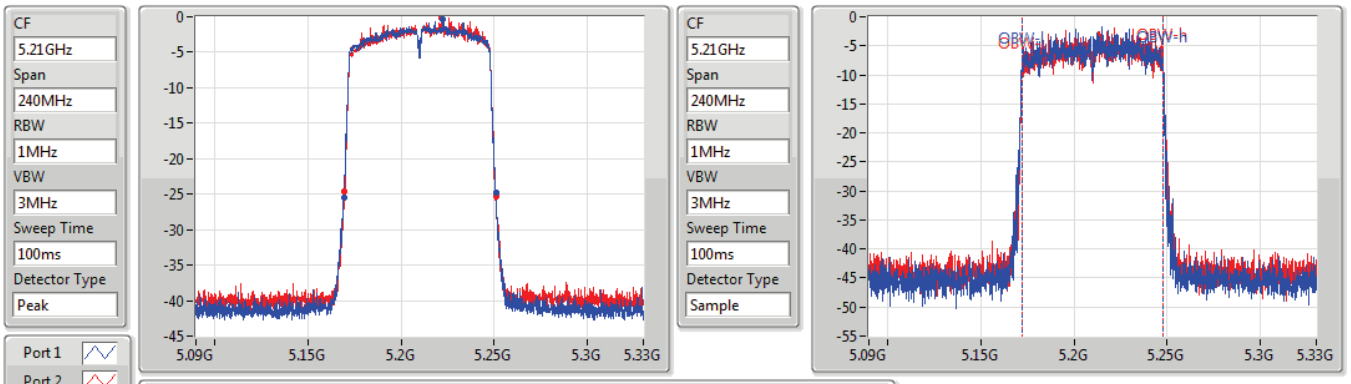


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
72.24M	5.73996G	5.8122G	75.562M	5.737099G	5.812661G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

22/08/2019

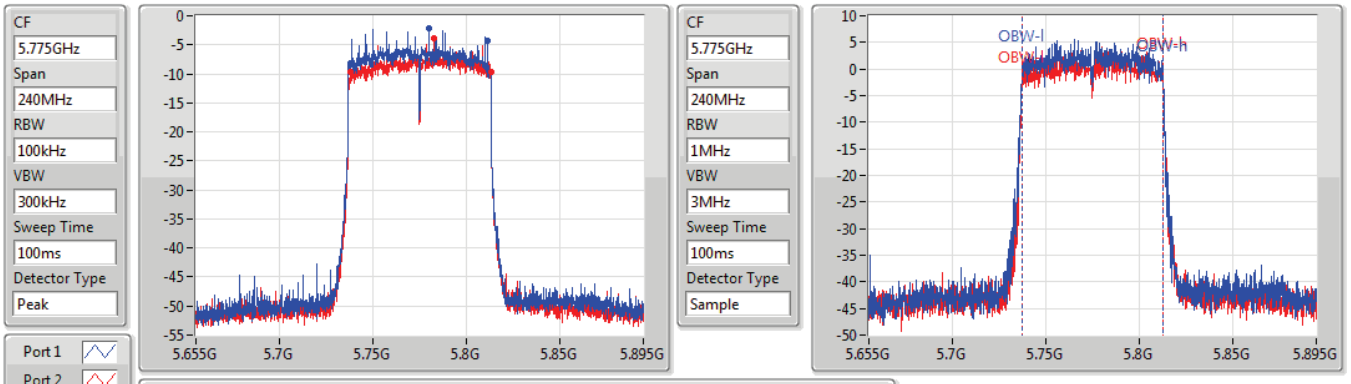


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.72M	5.16932G	5.25104G	75.562M	5.172219G	5.247781G	Inf	1
81.6M	5.16932G	5.25092G	75.442M	5.172339G	5.247781G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz

16/08/2019

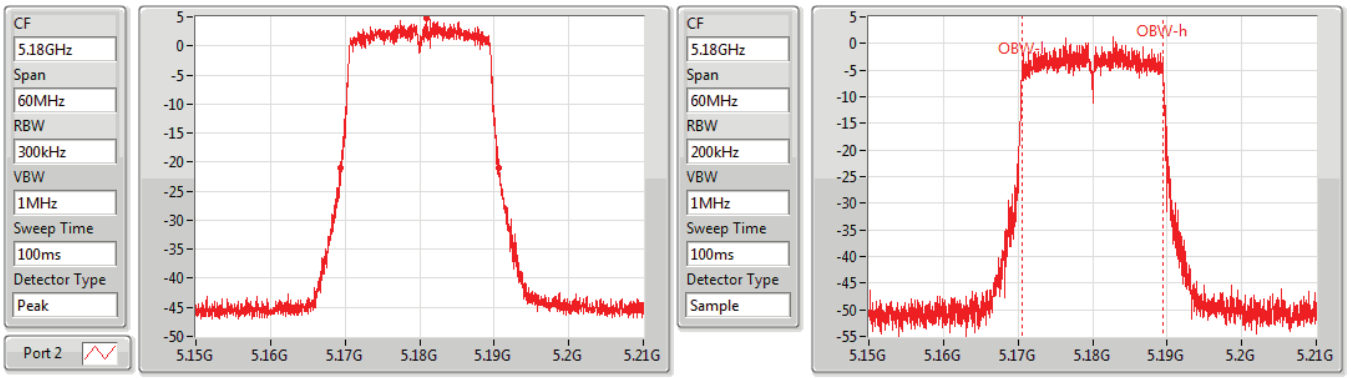


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.44M	5.7378G	5.81124G	75.322M	5.737339G	5.812661G	500k	1
75.12M	5.73804G	5.81316G	75.562M	5.737219G	5.812781G	500k	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5180MHz

22/08/2019

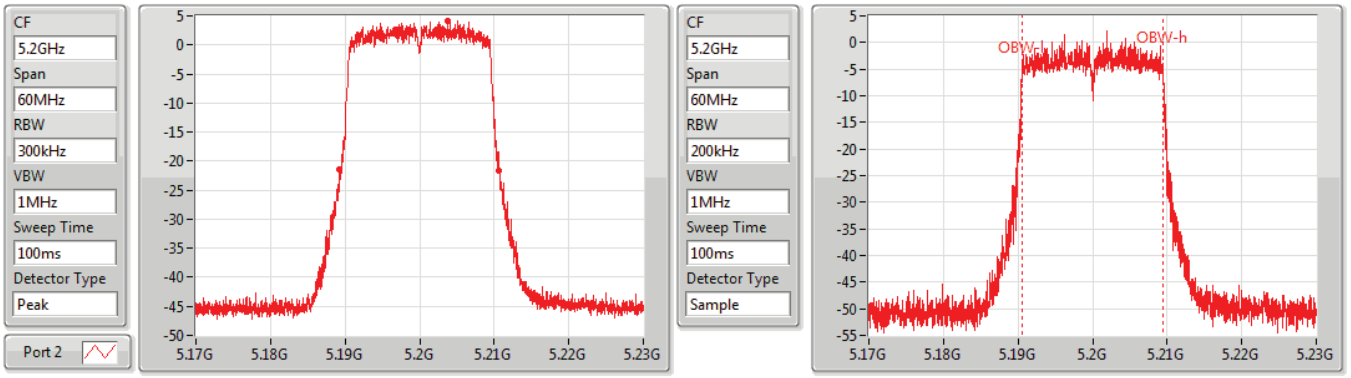


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.16938G	5.19065G	18.891M	5.170555G	5.189445G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5200MHz

22/08/2019

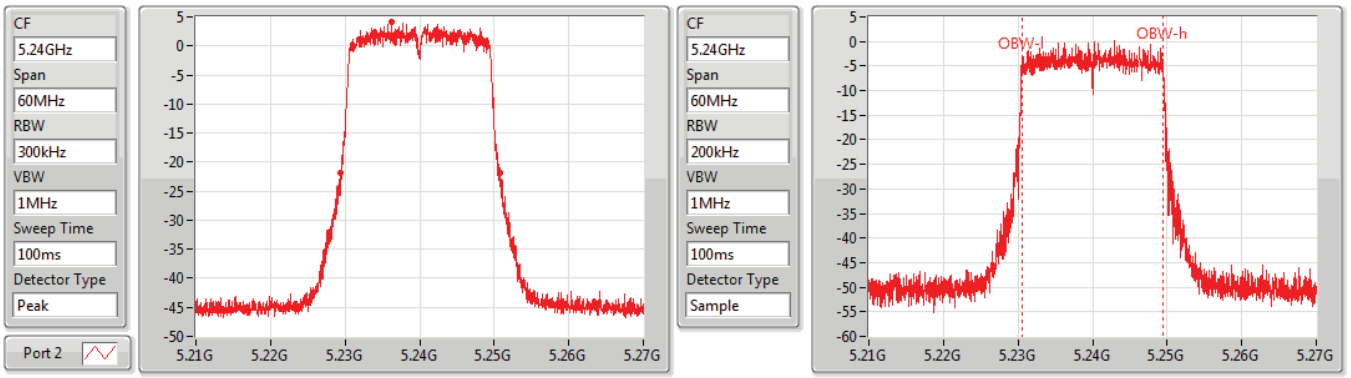


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.18926G	5.21068G	18.891M	5.190555G	5.209445G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5240MHz

22/08/2019

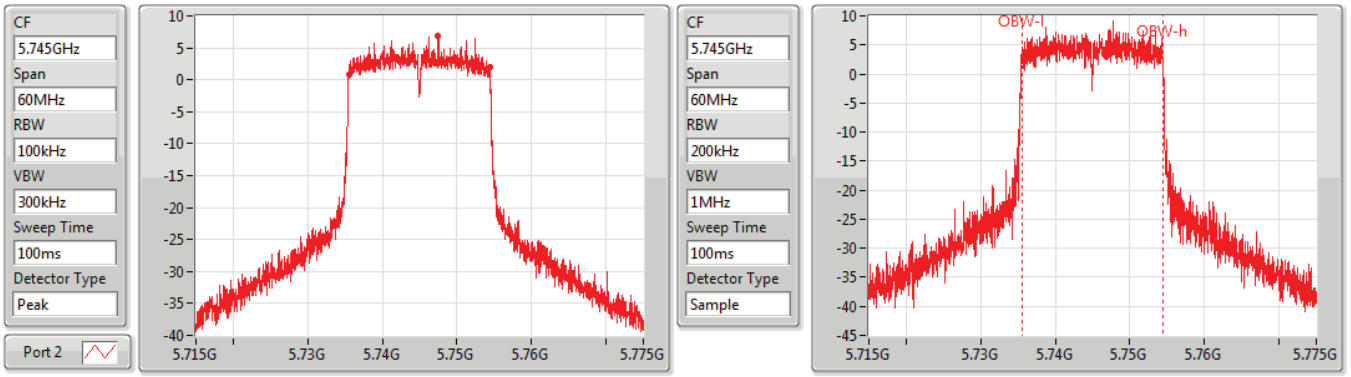


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.36M	5.22941G	5.25077G	18.921M	5.230525G	5.249445G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5745MHz

16/08/2019

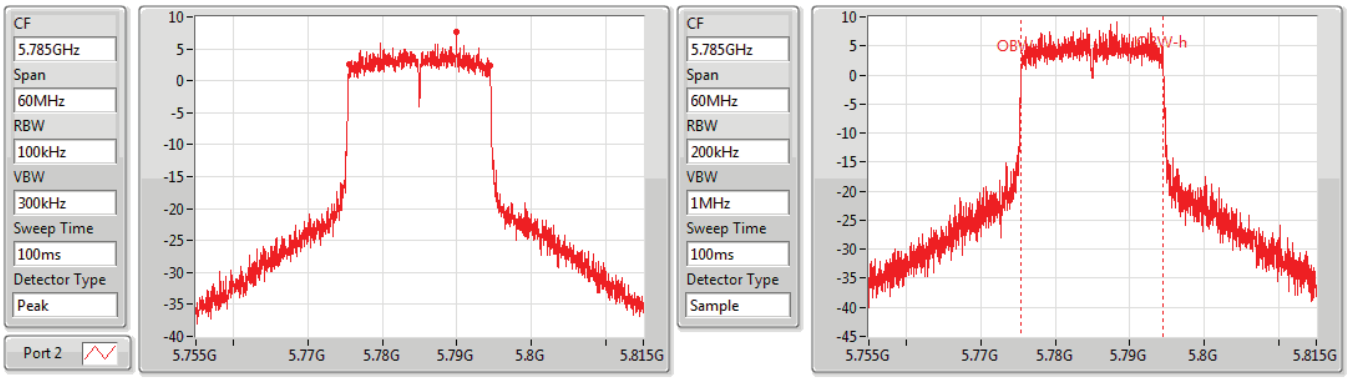


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.93M	5.73552G	5.75445G	18.921M	5.735495G	5.754415G	500k	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5785MHz

16/08/2019

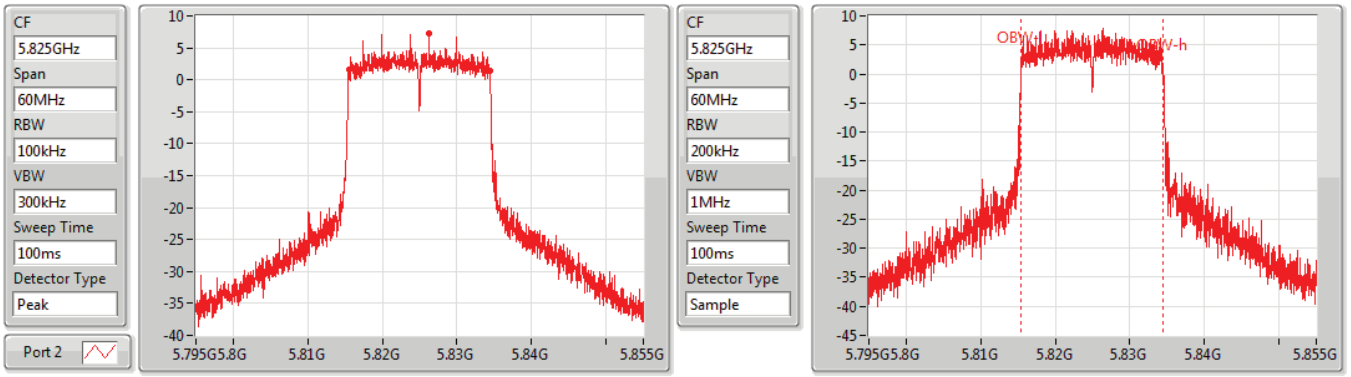


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.84M	5.77561G	5.79445G	18.981M	5.775465G	5.794445G	500k	2

802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) EBW

5825MHz

16/08/2019

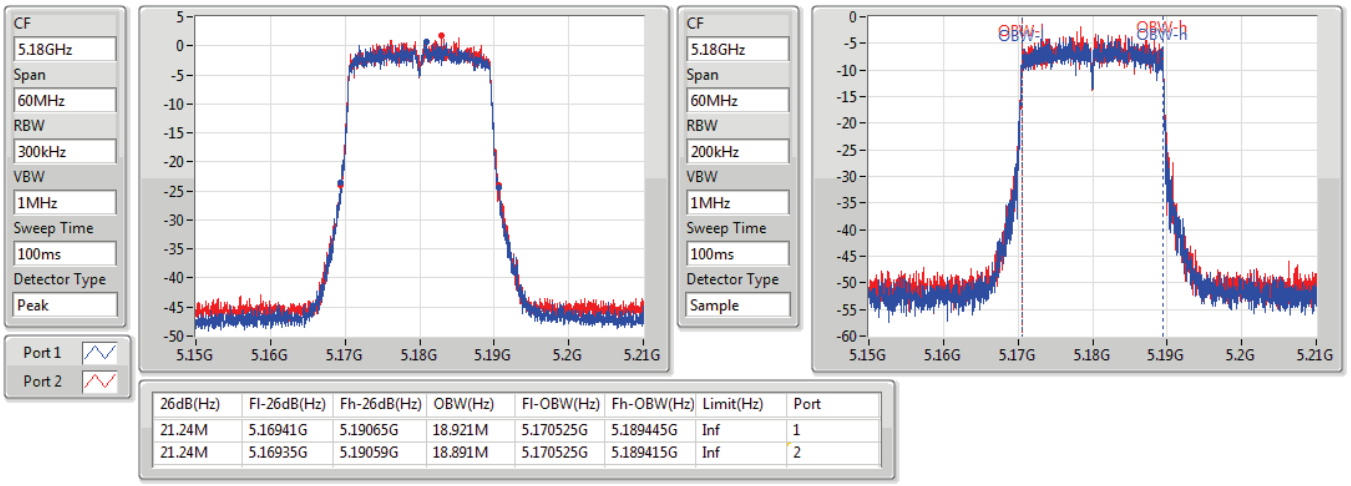


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.87M	5.81558G	5.83445G	18.951M	5.815465G	5.834415G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5180MHz

22/08/2019

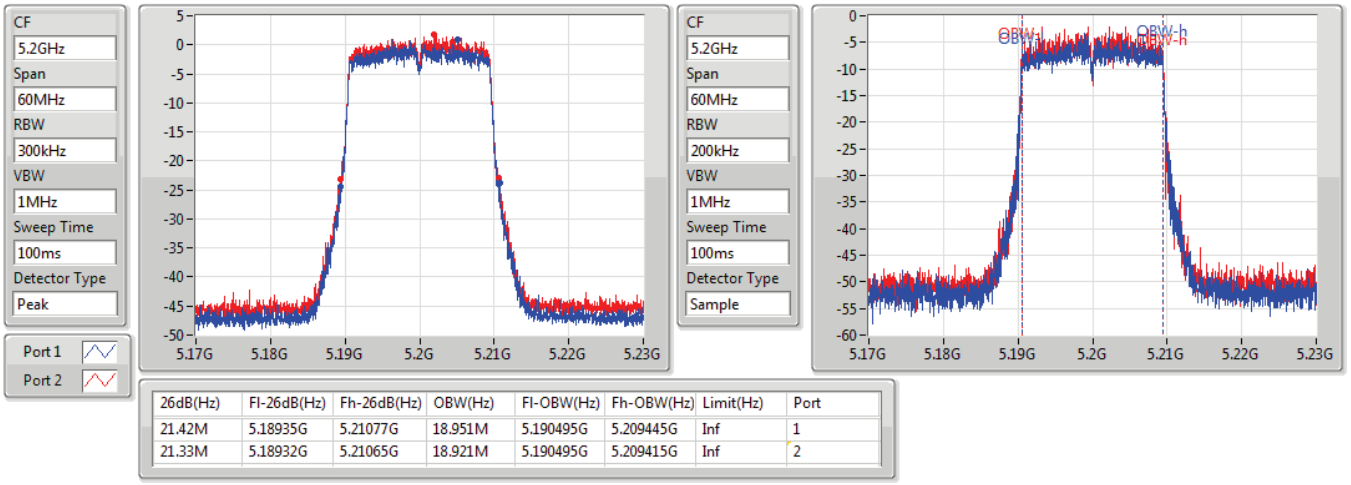


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.16941G	5.19065G	18.921M	5.170525G	5.189445G	Inf	1
21.24M	5.16935G	5.19059G	18.891M	5.170525G	5.189415G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5200MHz

22/08/2019

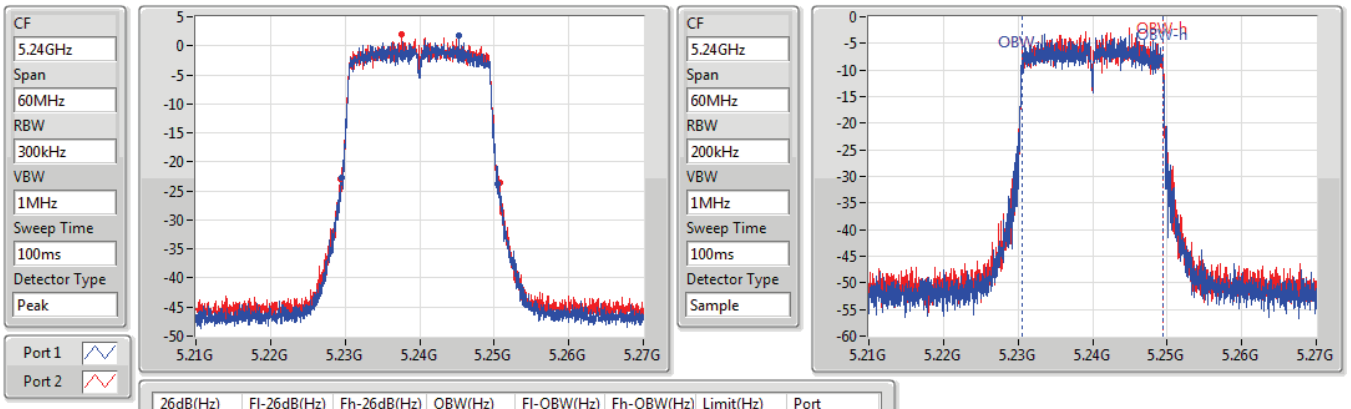


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.18935G	5.21077G	18.951M	5.190495G	5.209445G	Inf	1
21.33M	5.18932G	5.21065G	18.921M	5.190495G	5.209415G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5240MHz

22/08/2019

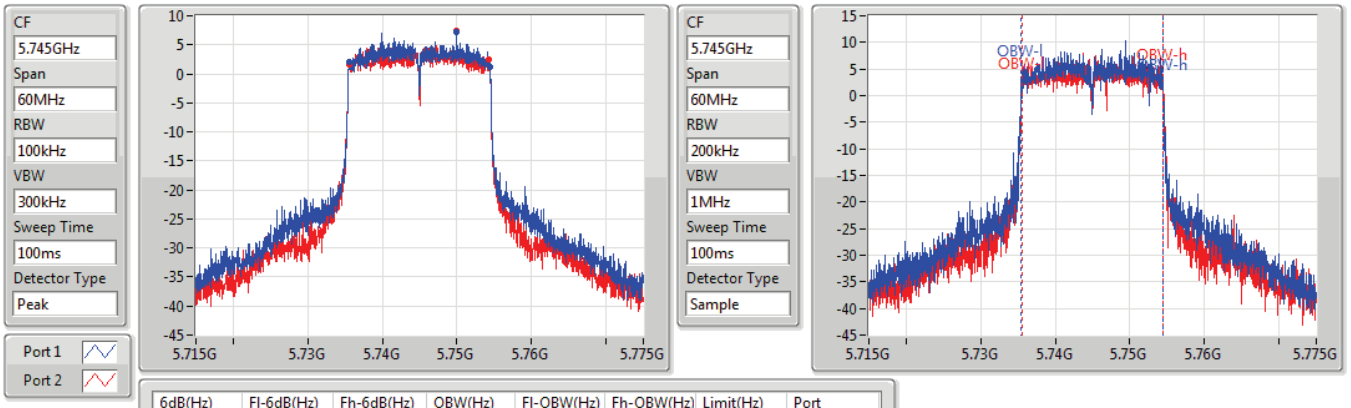


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.97M	5.2295G	5.25047G	18.891M	5.230525G	5.249415G	Inf	1
21.36M	5.22935G	5.25071G	18.921M	5.230525G	5.249445G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5745MHz

16/08/2019

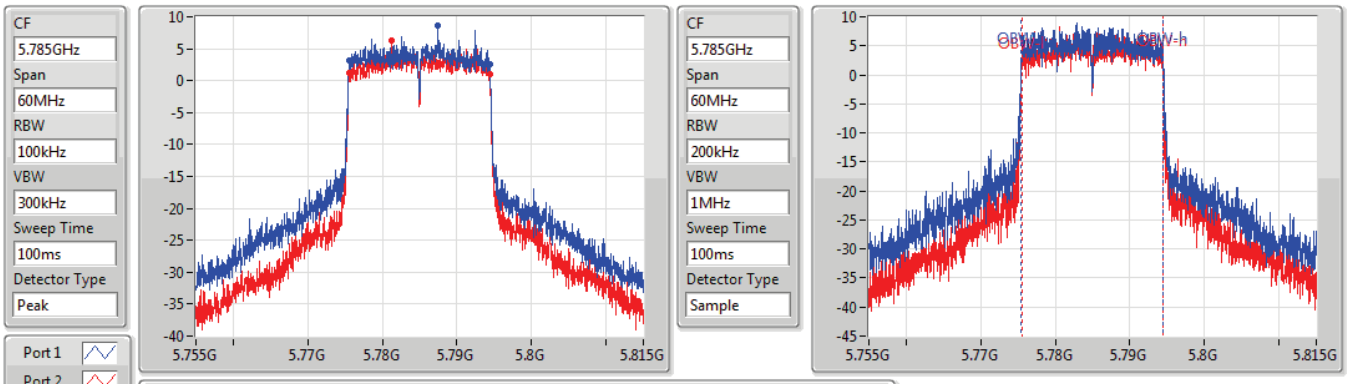


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.93M	5.73549G	5.75442G	18.921M	5.735465G	5.754385G	500k	1
18.72M	5.73555G	5.75427G	18.921M	5.735495G	5.754415G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5785MHz

16/08/2019

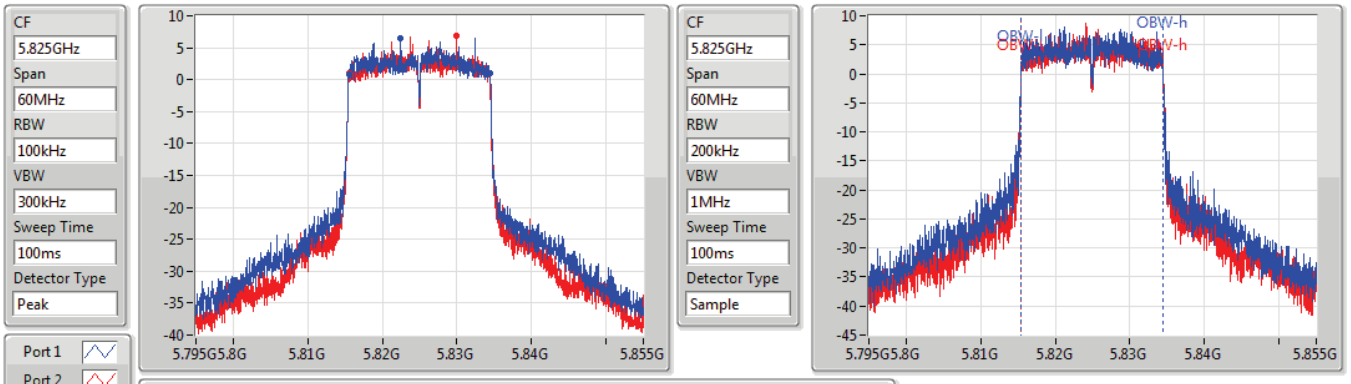


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.75M	5.77561G	5.79436G	19.04M	5.775435G	5.794475G	500k	1
18.9M	5.77552G	5.79442G	18.951M	5.775495G	5.794445G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5825MHz

16/08/2019

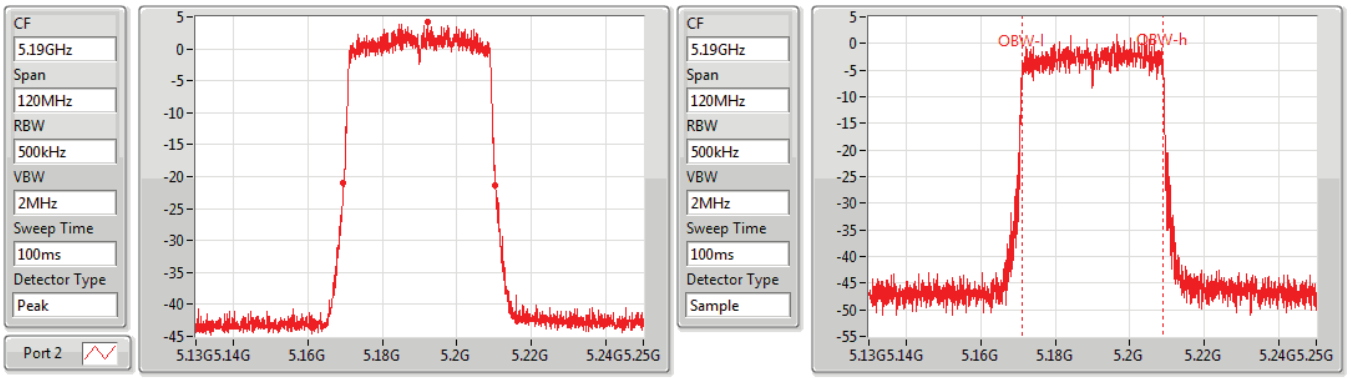


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.96M	5.81549G	5.83445G	18.951M	5.815465G	5.834415G	500k	1
18.84M	5.81555G	5.83439G	18.951M	5.815465G	5.834415G	500k	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) EBW

5190MHz

22/08/2019

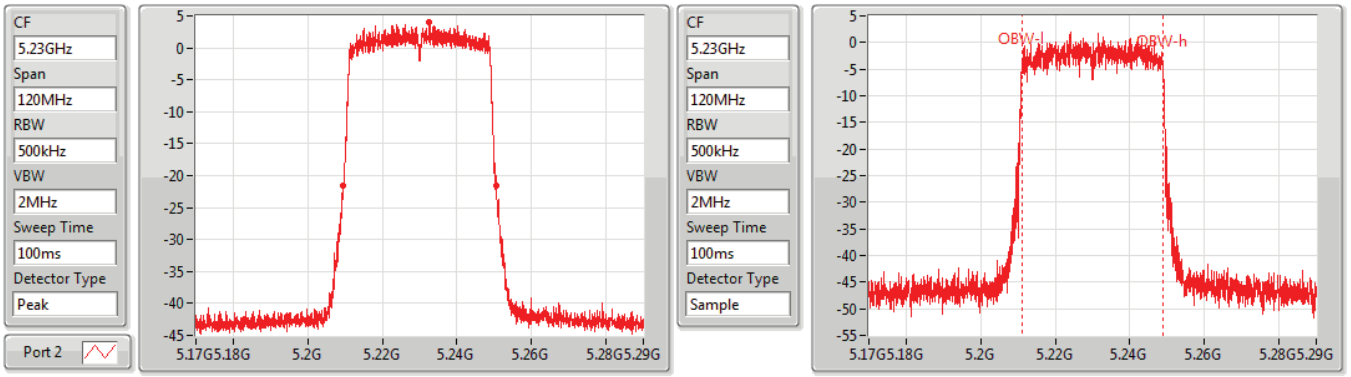


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.74M	5.1696G	5.21034G	37.661M	5.171169G	5.208831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) EBW

5230MHz

22/08/2019

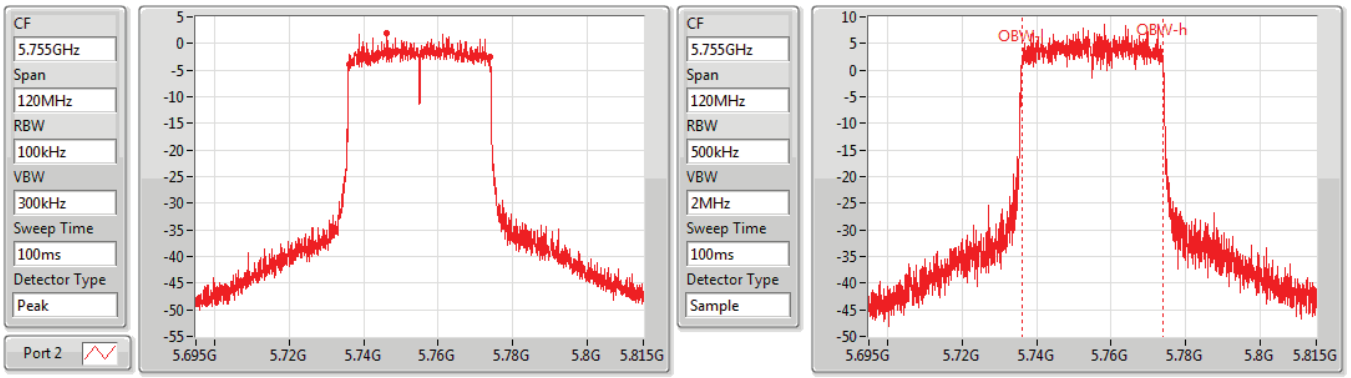


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.92M	5.20954G	5.25046G	37.721M	5.211109G	5.248831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) EBW

5755MHz

16/08/2019

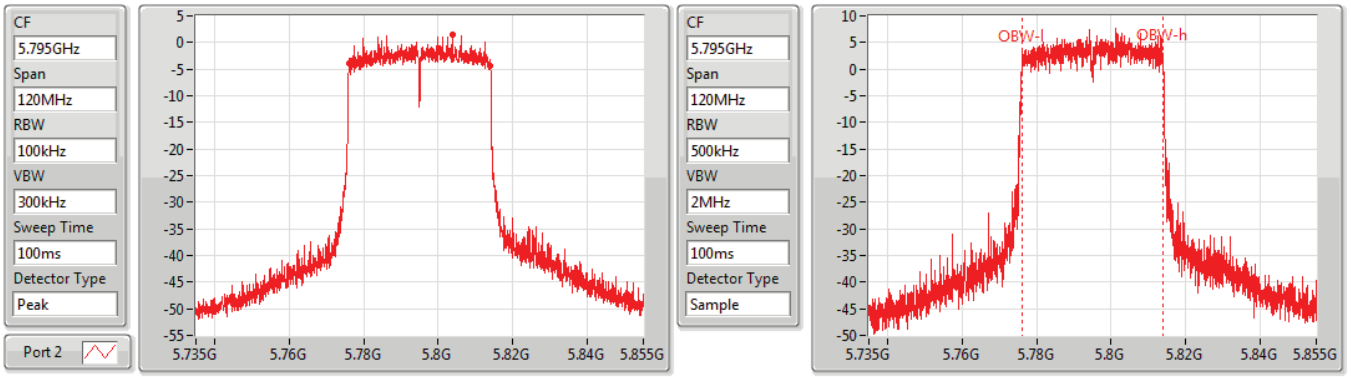


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.92M	5.73604G	5.77396G	37.661M	5.736109G	5.773771G	500k	2

802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) EBW

5795MHz

16/08/2019

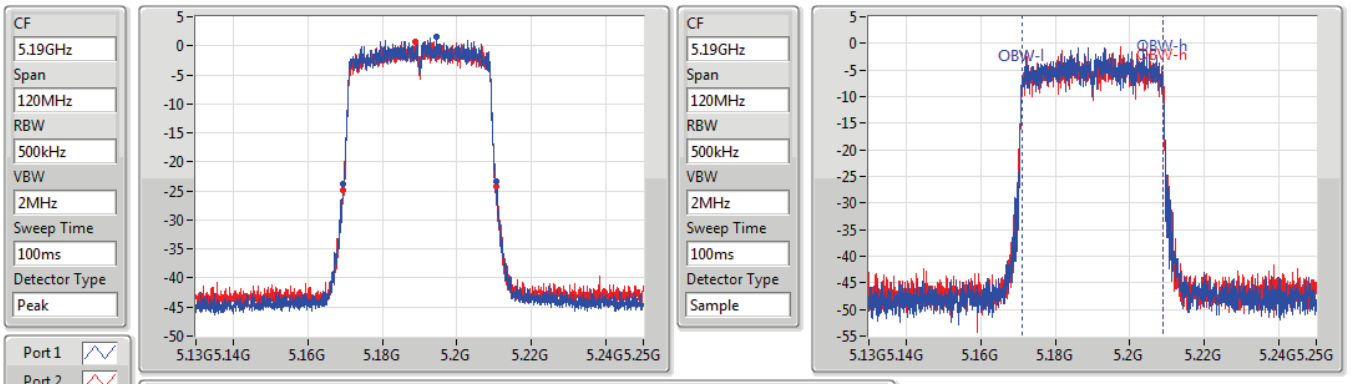


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.98M	5.77604G	5.81402G	37.721M	5.776109G	5.813831G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5190MHz

22/08/2019

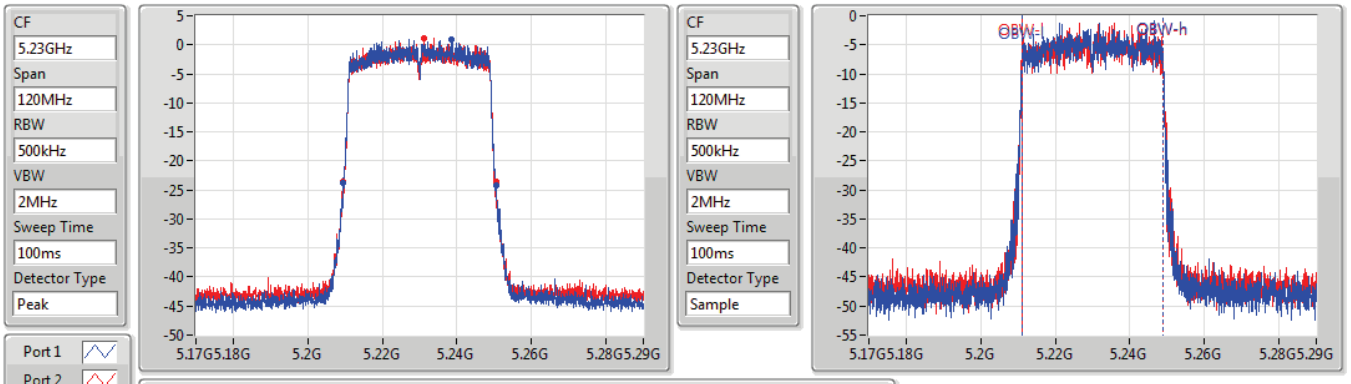


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.98M	5.16948G	5.21046G	37.661M	5.171109G	5.208771G	Inf	1
41.22M	5.16936G	5.21058G	37.721M	5.171169G	5.208891G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5230MHz

22/08/2019

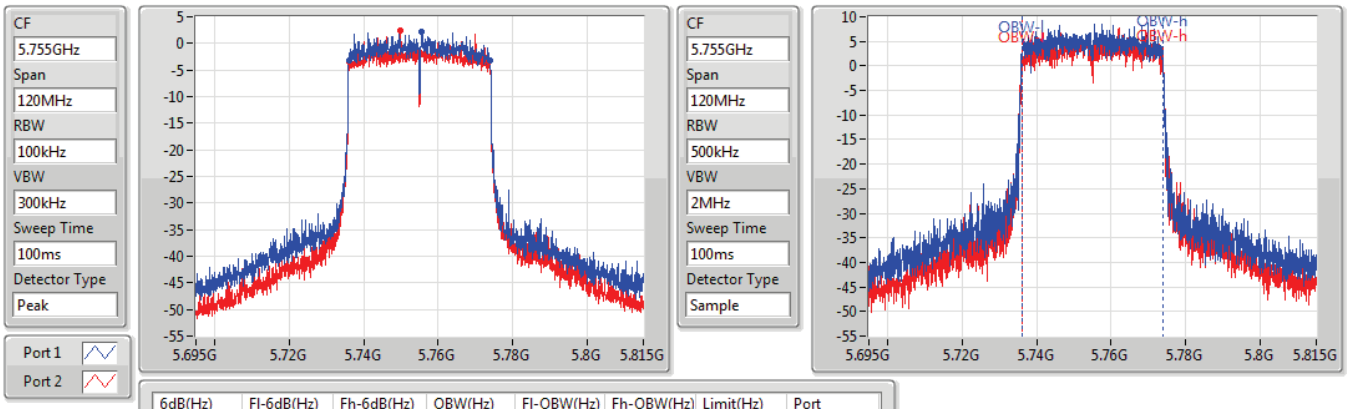


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.98M	5.20954G	5.25052G	37.721M	5.211109G	5.248831G	Inf	1
41.22M	5.2093G	5.25052G	37.841M	5.211049G	5.248891G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5755MHz

16/08/2019

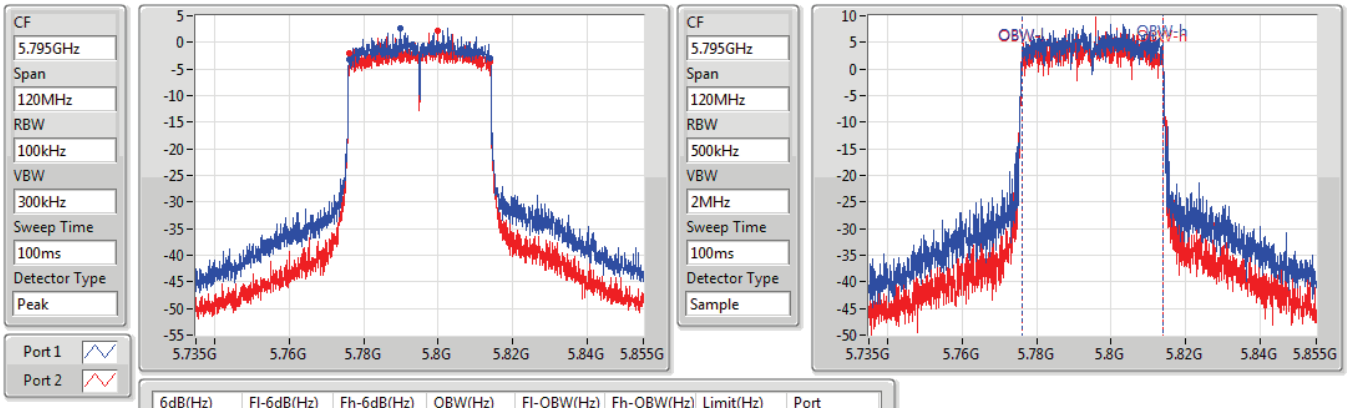


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.92M	5.73598G	5.7739G	37.841M	5.73599G	5.773831G	500k	1
37.5M	5.7361G	5.7736G	37.781M	5.736049G	5.773831G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5795MHz

16/08/2019

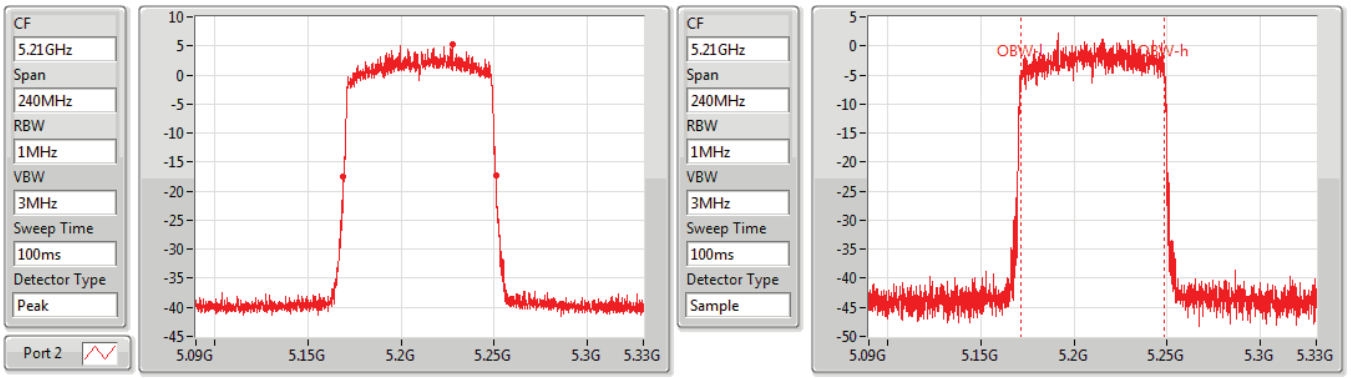


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.92M	5.77598G	5.8139G	37.721M	5.776109G	5.813831G	500k	1
37.74M	5.77616G	5.8139G	37.721M	5.776049G	5.813771G	500k	2

802.11ax HEW80_Nss1,(MCS0)_1TX(Port2) EBW

5210MHz

22/08/2019

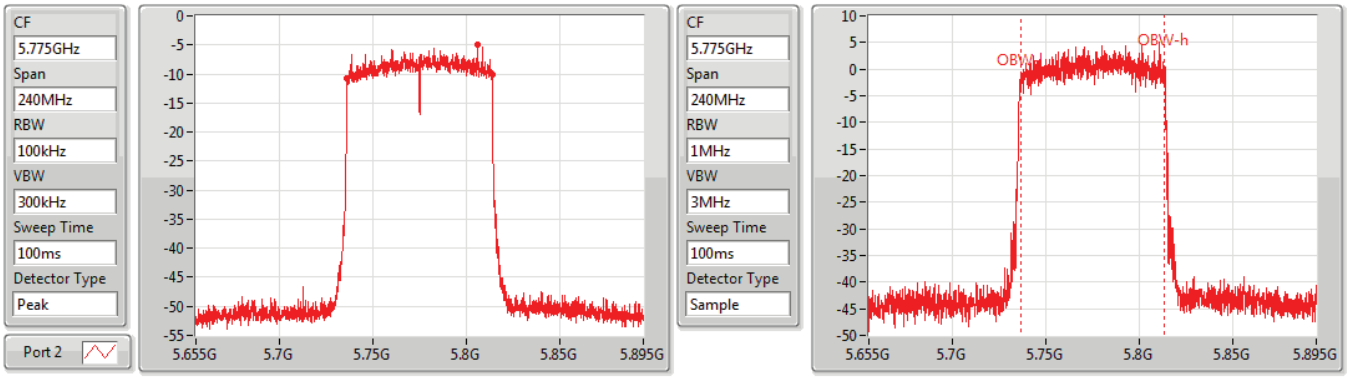


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.72M	5.1692G	5.25092G	77.001M	5.171499G	5.248501G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_1TX(Port2) EBW

5775MHz

16/08/2019

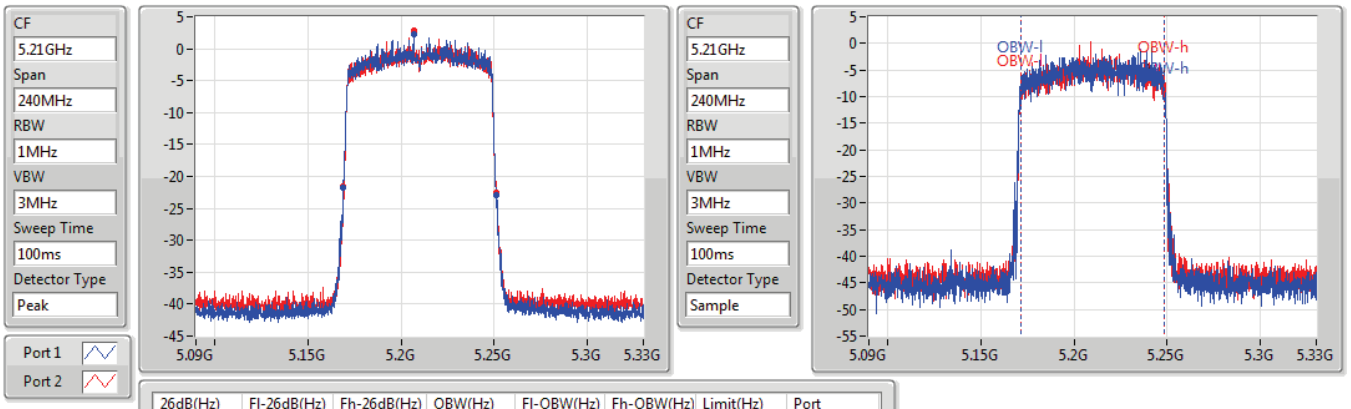


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.88M	5.73612G	5.814G	77.361M	5.736379G	5.813741G	500k	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5210MHz

22/08/2019

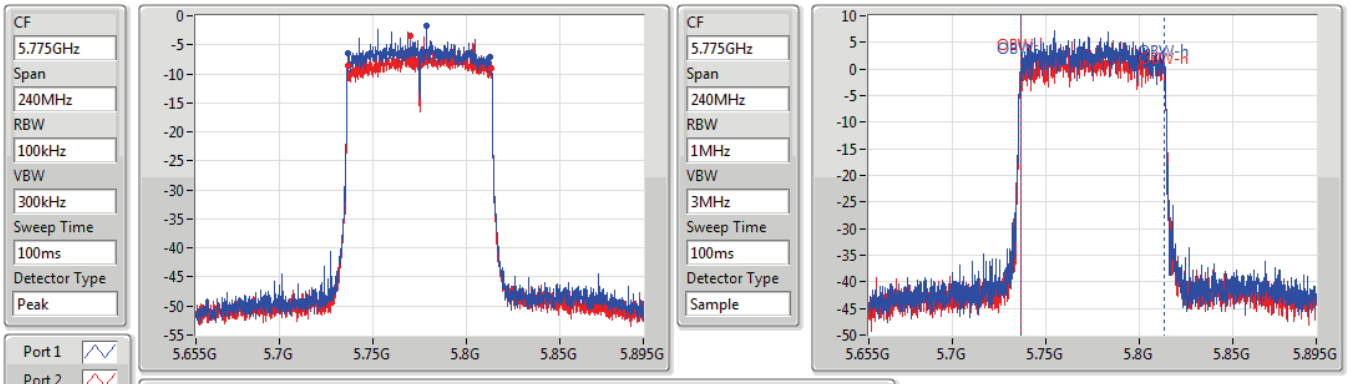


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	5.16908G	5.25092G	77.001M	5.171499G	5.248501G	Inf	1
81.84M	5.16908G	5.25092G	77.001M	5.171499G	5.248501G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5775MHz

16/08/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.08M	5.73636G	5.81244G	77.001M	5.736379G	5.813381G	500k	1
77.28M	5.73648G	5.81376G	77.361M	5.736259G	5.813621G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	28.59M	16.942M	16M9D1D	27.48M	16.852M
802.11ac VHT20_Nss1,(MCS0)_1TX	28.74M	17.961M	18M0D1D	27.78M	17.931M
802.11ac VHT40_Nss1,(MCS0)_1TX	60.54M	36.762M	36M8D1D	52.2M	36.462M
802.11ac VHT80_Nss1,(MCS0)_1TX	105.36M	76.282M	76M3D1D	105.36M	76.282M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.5M	16.672M	16M7D1D	16.29M	16.672M
802.11ac VHT20_Nss1,(MCS0)_1TX	17.31M	17.841M	17M8D1D	16.29M	17.811M
802.11ac VHT40_Nss1,(MCS0)_1TX	35.64M	36.522M	36M5D1D	35.46M	36.462M
802.11ac VHT80_Nss1,(MCS0)_1TX	73.2M	76.042M	76M0D1D	73.2M	76.042M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% 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

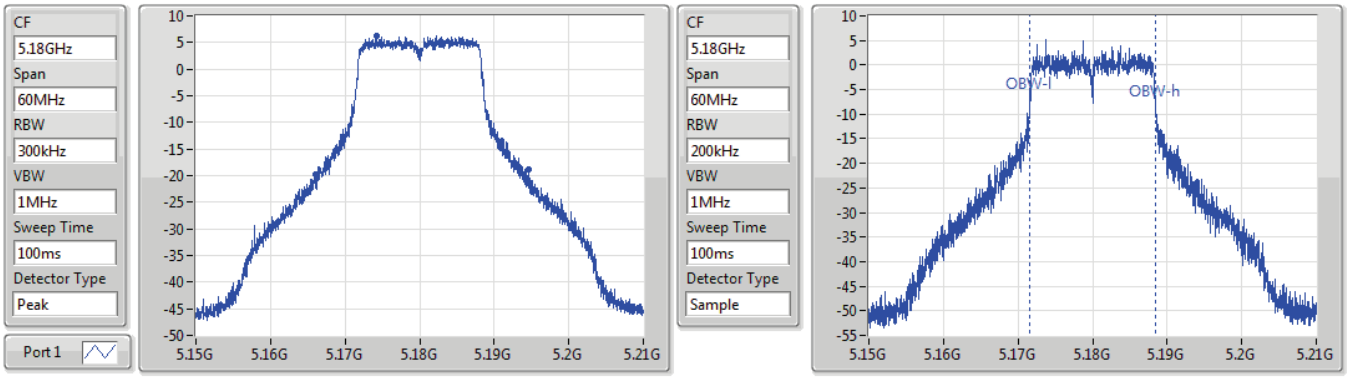
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	28.59M	16.942M
5200MHz_TnomVnom	Pass	Inf	27.48M	16.852M
5240MHz_TnomVnom	Pass	Inf	28.14M	16.912M
5745MHz_TnomVnom	Pass	500k	16.5M	16.672M
5785MHz_TnomVnom	Pass	500k	16.29M	16.672M
5825MHz_TnomVnom	Pass	500k	16.29M	16.672M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	28.74M	17.931M
5200MHz_TnomVnom	Pass	Inf	27.78M	17.931M
5240MHz_TnomVnom	Pass	Inf	28.65M	17.961M
5745MHz_TnomVnom	Pass	500k	17.31M	17.841M
5785MHz_TnomVnom	Pass	500k	16.38M	17.841M
5825MHz_TnomVnom	Pass	500k	16.29M	17.811M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	52.2M	36.462M
5230MHz_TnomVnom	Pass	Inf	60.54M	36.762M
5755MHz_TnomVnom	Pass	500k	35.64M	36.522M
5795MHz_TnomVnom	Pass	500k	35.46M	36.462M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz_TnomVnom	Pass	Inf	105.36M	76.282M
5775MHz_TnomVnom	Pass	500k	73.2M	76.042M

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)_1TX EBW

5180MHz

16/08/2019

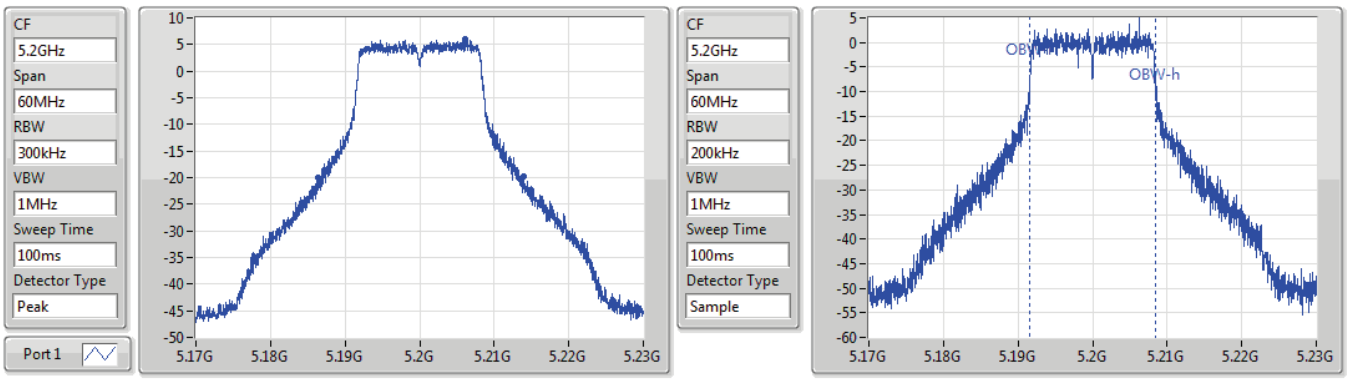


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.59M	5.16611G	5.1947G	16.942M	5.171544G	5.188486G	Inf	1

802.11a_Nss1,(6Mbps)_1TX EBW

5200MHz

16/08/2019

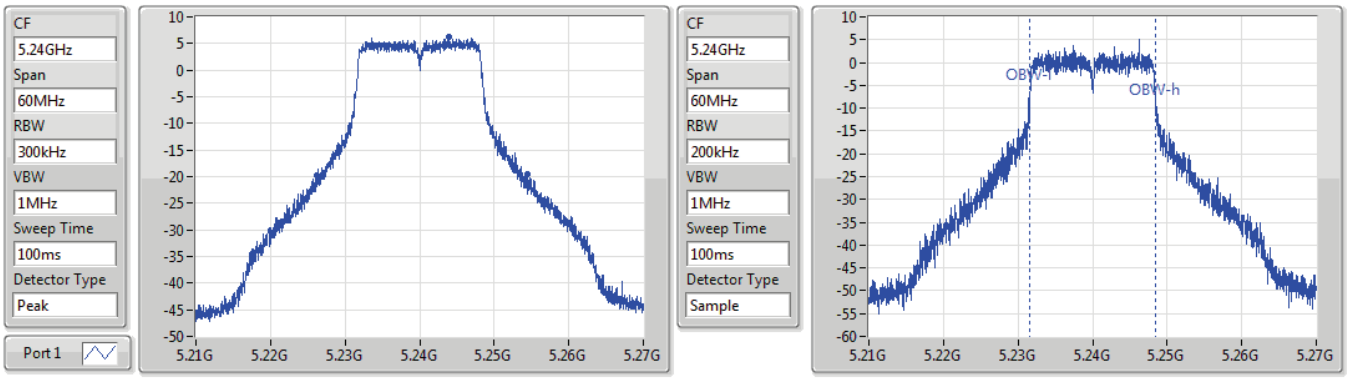


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.48M	5.18644G	5.21392G	16.852M	5.191604G	5.208456G	Inf	1

802.11a_Nss1,(6Mbps)_1TX EBW

5240MHz

16/08/2019

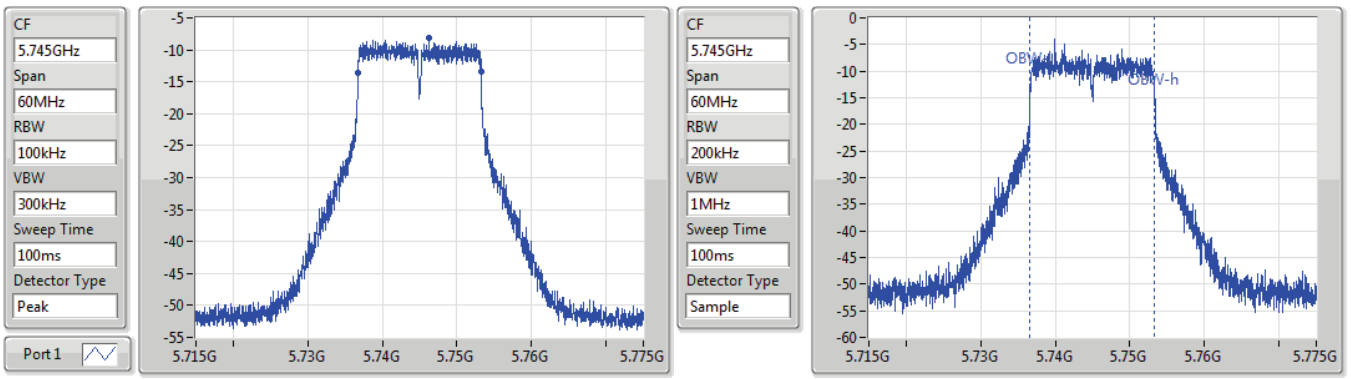


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.14M	5.22626G	5.2544G	16.912M	5.231574G	5.248486G	Inf	1

802.11a_Nss1,(6Mbps)_1TX EBW

5745MHz

16/08/2019

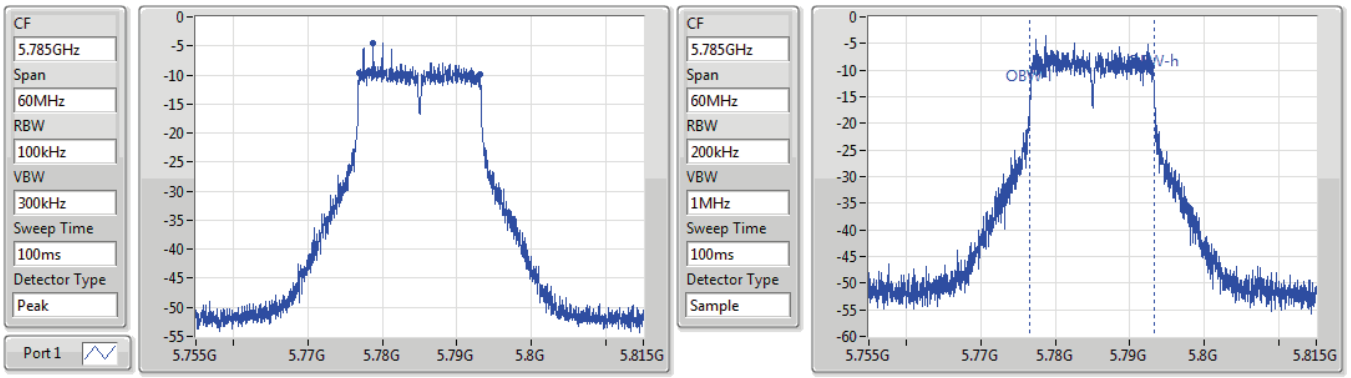


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.5M	5.73675G	5.75325G	16.672M	5.736634G	5.753306G	500k	1

802.11a_Nss1,(6Mbps)_1TX EBW

5785MHz

16/08/2019

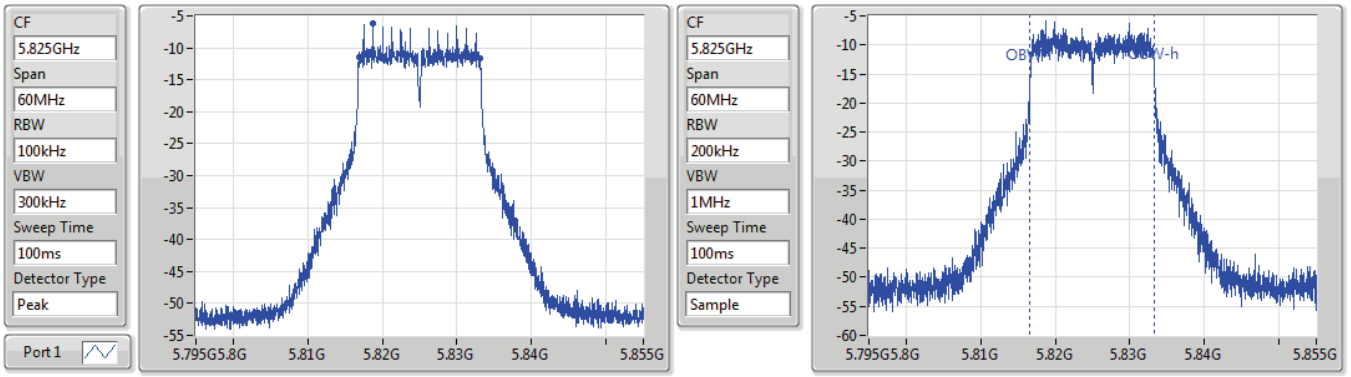


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.77684G	5.79313G	16.672M	5.776604G	5.793276G	500k	1

802.11a_Nss1,(6Mbps)_1TX EBW

5825MHz

16/08/2019

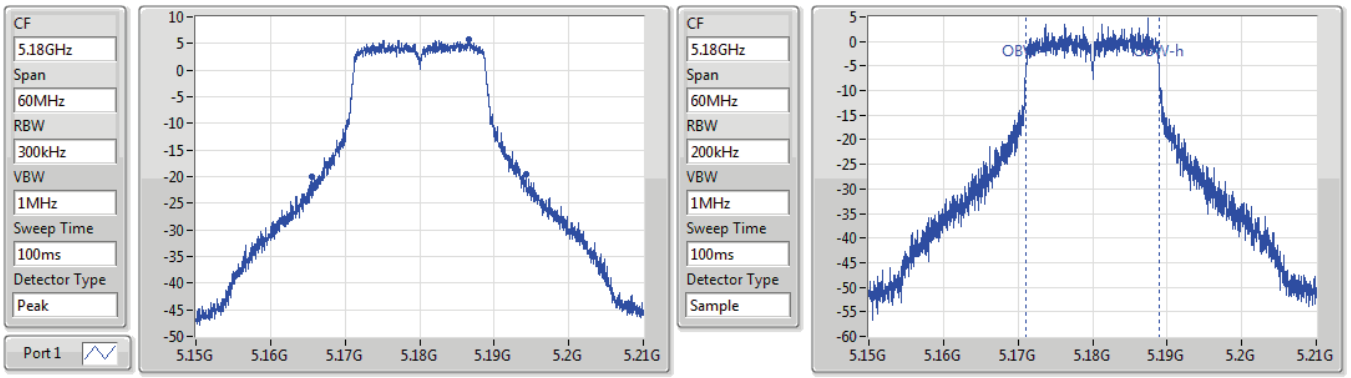


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.81684G	5.83313G	16.672M	5.816634G	5.833306G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX EBW

5180MHz

16/08/2019

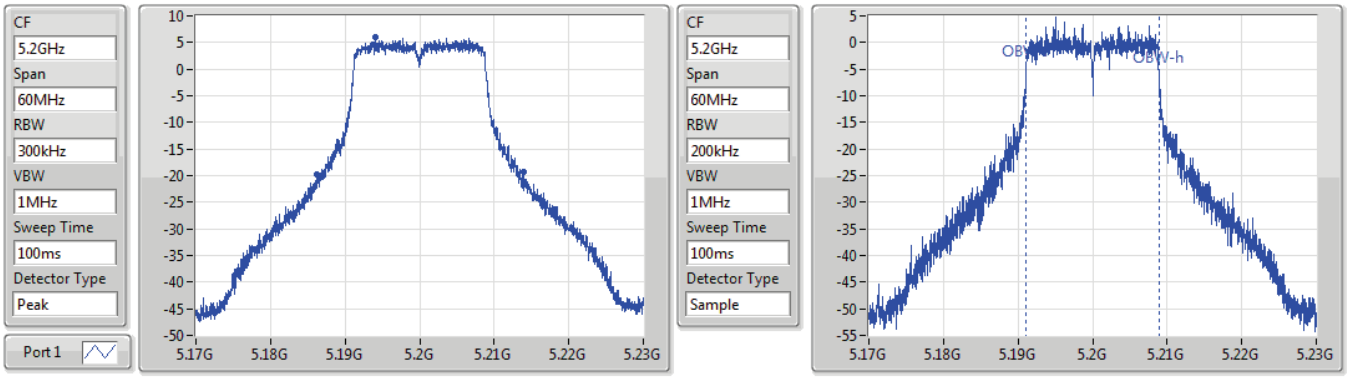


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.74M	5.16548G	5.19422G	17.931M	5.171034G	5.188966G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX EBW

5200MHz

16/08/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.78M	5.1862G	5.21398G	17.931M	5.191034G	5.208966G	Inf	1