



# FCC Test Report

**Equipment** : 802.11a/b/g/n/ac Wireless Access Point  
**Brand Name** : CISCO  
**Model No.** : MR53E-HW  
**FCC ID** : UDX-60064010  
**Standard** : 47 CFR FCC Part 15.407  
**Operating Band** : 5150 MHz – 5250 MHz  
5250 MHz – 5350 MHz  
5470 MHz – 5725 MHz  
5725 MHz – 5850 MHz  
**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  
**Function** :  Outdoor;  Indoor;  Fixed P2P  
 Client  
**TPC Function** :  With TPC       Without TPC

The product sample received on Jun. 16, 2017 and completely tested on Sep. 01, 2017. We, SPORTON, 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., the test report shall not be reproduced except in full.

  
Cliff Chang  
SPORTON INTERNATIONAL INC.





## Table of Contents

<b>1</b>	<b>GENERAL DESCRIPTION .....</b>	<b>5</b>
1.1	Information.....	5
1.2	Testing Applied Standards .....	15
1.3	Testing Location Information .....	15
1.4	Measurement Uncertainty .....	15
<b>2</b>	<b>TEST CONFIGURATION OF EUT .....</b>	<b>16</b>
2.1	Test Channel Mode .....	16
2.2	The Worst Case Measurement Configuration.....	72
2.3	EUT Operation during Test .....	77
2.4	Accessories .....	77
2.5	Support Equipment.....	78
2.6	Test Setup Diagram .....	79
<b>3</b>	<b>TRANSMITTER TEST RESULT .....</b>	<b>82</b>
3.1	AC Power-line Conducted Emissions .....	82
3.2	Emission Bandwidth .....	85
3.3	Maximum Conducted Output Power .....	517
3.4	Peak Power Spectral Density.....	664
3.5	Unwanted Emissions.....	1080
3.6	Frequency Stability .....	3425
<b>4</b>	<b>TEST EQUIPMENT AND CALIBRATION DATA .....</b>	<b>3438</b>

### APPENDIX A. TEST RESULTS OF RADIATED EMISSION CO-LOCATION

### APPENDIX B. TEST PHOTOS

### PHOTOGRAPHS OF EUT V02



## Summary of Test Result

Conformance Test Specifications			
Report Clause	Ref. Std. Clause	Description	Result
1.1.3	15.203	Antenna Requirement	Complied
3.1	15.207	AC Power-line Conducted Emissions	Complied
3.2	15.407(a)	Emission Bandwidth	Complied
3.3	15.407(a)	Maximum Conducted Output Power	Complied
3.4	15.407(a)	Peak Power Spectral Density	Complied
3.5	15.407(b)	Unwanted Emissions	Complied
3.6	15.407(g)	Frequency Stability	Complied



## Revision History



## 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)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5725-5850		5775	155 [1]

#### For Radio 2

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT20-BF	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11n HT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11n HT20-BF	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT20-BF	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX

**FCC Test Report**

Report No. : FR760624AB

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11n HT40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.25-5.35GHz	802.11ac VHT80-BF	80	4TX
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11n HT20-BF	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20-BF	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11n HT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80-BF	80	4TX
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11n HT20-BF	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20-BF	20	4TX
5.725-5.85GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11n HT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	4TX



## For Radio 3

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
5.25-5.35GHz	802.11a	20	1TX
5.25-5.35GHz	802.11n HT20	20	1TX
5.25-5.35GHz	802.11ac VHT20	20	1TX
5.25-5.35GHz	802.11n HT40	40	1TX
5.25-5.35GHz	802.11ac VHT40	40	1TX
5.25-5.35GHz	802.11ac VHT80	80	1TX
5.47-5.725GHz	802.11a	20	1TX
5.47-5.725GHz	802.11n HT20	20	1TX
5.47-5.725GHz	802.11ac VHT20	20	1TX
5.47-5.725GHz	802.11n HT40	40	1TX
5.47-5.725GHz	802.11ac VHT40	40	1TX
5.47-5.725GHz	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



## For 80+80 MHz Mode

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ac VHT80+80	80	4TX(Port 1/2)
5.15-5.25GHz	802.11ac VHT80+80-BF	80	4TX(Port 1/2)
5.25-5.35GHz	802.11ac VHT80+80	80	4TX(Port 1/2)
5.25-5.35GHz	802.11ac VHT80+80-BF	80	4TX(Port 1/2)
5.47-5.725GHz	802.11ac VHT80+80	80	4TX(Port 1/2)
5.47-5.725GHz	802.11ac VHT80+80-BF	80	4TX(Port 1/2)
5.725-5.85GHz	802.11ac VHT80+80	80	4TX(Port 3/4)
5.725-5.85GHz	802.11ac VHT80+80-BF	80	4TX(Port 3/4)

## Note:

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



## 1.1.2 Table for 80+80 MHz Mode

Type	Channel No.	Frequency
1	42+106	5210+5530 MHz
2	42+122	5210+5610 MHz
3	42+138	5210+5690 MHz
4	42+155	5210+5775 MHz
5	58+106	5290+5530 MHz
6	58+122	5290+5610 MHz
7	58+138	5290+5690 MHz
8	58+155	5290+5775 MHz
9	106+138	5530+5690 MHz
10	106+155	5530+5775 MHz
11	122+155	5610+5775 MHz
12	138+155	5690+5775 MHz
13	42+58	5210+5290 MHz
14	106+122	5530+5610 MHz
15	122+138	5610+5690 MHz

Note: non-beamforming mode for type 1~15 and beamforming mode for type 1~14.



## 1.1.3 Antenna Information

Ant.	Brand	Official Model Number	Antenna Type	Connector	Gain (dBi)
1	Cisco	MA-ANT-3-A	Dipole Antenna	I-PEX	Note
2	Cisco	MA-ANT-3-B	Dipole Antenna	I-PEX	
3	Cisco	MA-ANT-3-F	Patch Antenna	I-PEX	
4	Cisco	MA-ANT-3-E	Patch Antenna	I-PEX	
5	Cisco	MA-ANT-3-C	Omni Antenna	I-PEX	
6	Cisco	MA-ANT-3-D	Omni Antenna	I-PEX	

Note:

Radio 1 (2.4GHz)													
Set	Antenna Gain (dBi)				Cable Loss (dB)				True Gain (dBi)				
	Port 1	Port 2	Port 3	Port 4	Port 1 (175mm)	Port 2 (280mm)	Port 3 (285mm)	Port 4 (205mm)	Port 1	Port 2	Port 3	Port 4	
1	5	5	5	5	0.77	0.93	0.92	0.75	4.23	4.07	4.08	4.25	
2	3.7	3.7	3.7	3.7	0.77	0.93	0.92	0.75	2.93	2.77	2.78	2.95	
3	11.55	11.55	11.55	11.55	0.77	0.93	0.92	0.75	10.78	10.62	10.63	10.8	
4	6.7	6.7	6.7	6.7	0.77	0.93	0.92	0.75	5.93	5.77	5.78	5.95	
5	5.1	5.1	5.1	5.1	0.77	0.93	0.92	0.75	4.33	4.17	4.18	4.35	
6	3.16	3.16	3.16	3.16	0.77	0.93	0.92	0.75	2.39	2.23	2.24	2.41	

Radio 2 (5GHz)													
Set	Antenna Gain (dBi)				Cable Loss (dB)				True Gain (dBi)				
	Port 1	Port 2	Port 3	Port 4	Port 1 (175mm)	Port 2 (280mm)	Port 3 (285mm)	Port 4 (205mm)	Port 1	Port 2	Port 3	Port 4	
1	6.3	6.3	6.3	6.3	1.47	1.65	1.69	1.52	4.83	4.65	4.61	4.78	
2	7.2	7.2	7.2	7.2	1.47	1.65	1.69	1.52	5.73	5.55	5.51	5.68	
3	10.94	10.94	10.94	10.94	1.47	1.65	1.69	1.52	9.47	9.29	9.25	9.42	
4	6.93	6.93	6.93	6.93	1.47	1.65	1.69	1.52	5.46	5.28	5.24	5.41	
5	5.4	5.4	5.4	5.4	1.47	1.65	1.69	1.52	3.93	3.75	3.71	3.88	
6	3.95	3.95	3.95	3.95	1.47	1.65	1.69	1.52	2.48	2.3	2.26	2.43	



Radio 3 (2.4GHz + 5GHz)						
Set	Antenna Gain (dBi)		Cable Loss (dB)		True Gain (dBi)	
	Port 1		Port 1 (100mm)		Port 1	
	2.4GHz	5GHz	2.4GHz	5GHz	2.4GHz	5GHz
1	5	6.3	0.54	0.83	4.46	5.47
2	3.7	7.2	0.54	0.83	3.16	6.37
3	11.55	10.94	0.54	0.83	11.01	10.11
4	6.7	6.93	0.54	0.83	6.16	6.1
5	5.1	5.4	0.54	0.83	4.56	4.57
6	3.16	3.95	0.54	0.83	2.62	3.12

Radio 4 (Bluetooth)						
Set	Antenna Gain (dBi)		Cable Loss (dB)			
	Port 1		Port 1 (100mm)			
	2.4GHz	5GHz	2.4GHz	5GHz		
1	5	5	0.53	0.53	4.47	4.47
2	3.7	3.7	0.53	0.53	3.17	3.17
3	11.55	11.55	0.53	0.53	11.02	11.02
4	6.7	6.7	0.53	0.53	6.17	6.17
5	5.1	5.1	0.53	0.53	4.57	4.57
6	3.16	3.16	0.53	0.53	2.63	2.63



Correlated Composite Gain(dBi) for Radio 1 and Radio 2						
Set	Frequency (MHz)	4T1S Composite Gain(dBi)	4T2S Composite Gain(dBi)	Cable Loss (dB)	4T1S True Gain (dBi)	4T2S True Gain (dBi)
1	2.4GHz	6.47	3.48	0	6.47	3.48
3	2.4GHz	12.73	9.72	0.75	11.98	8.97
	5GHz Band 1	11.74	8.80	1.47	10.27	7.33
	5GHz Band 2	11.87	8.86	1.47	10.4	7.39
	5GHz Band 3	11.19	8.18	1.47	9.72	6.71
	5GHz Band 4	12.57	9.85	1.47	11.1	8.38
	80+80	-	-	-	-	8.38
4	2.4GHz	9.37	6.47	0.75	8.62	5.72
	5GHz Band 1	10.11	7.1	1.47	8.64	5.63
	5GHz Band 2	10.8	7.81	1.47	9.33	6.34
	5GHz Band 3	11.2	8.21	1.47	9.73	6.74
	5GHz Band 4	10.17	7.23	1.47	8.7	5.76
	80+80	-	-	-	-	6.74
5	2.4GHz	7.41	4.42	0.75	6.66	3.67
	5GHz Band 1	9.55	6.54	1.47	8.08	5.07
	5GHz Band 2	9.71	6.7	1.47	8.24	5.23
	5GHz Band 3	9.67	6.68	1.47	8.2	5.21
	5GHz Band 4	8.89	6.09	1.47	7.42	4.62
	80+80	-	-	-	-	5.23
6	2.4GHz	4.07	1.33	0.75	3.32	0.58
	5GHz Band 1	5.6	2.72	1.47	4.13	1.25
	5GHz Band 2	5.5	2.57	1.47	4.03	1.1
	5GHz Band 3	5.42	2.43	1.47	3.95	0.96
	5GHz Band 4	6.8	3.87	1.47	5.33	2.4
	80+80	-	-	-	-	2.4

Directional Gain(dBi) for Radio 2		
Set	4T1S	4T2S
2	11.64	8.63



Note: The EUT has six sets of antennas, and each set contains six antennas.

The EUT has four radios, Radio 1 supports WLAN 2.4GHz, Radio 2 supports WLAN 5GHz, Radio 3 supports WLAN 2.4GHz + 5GHz (scanning radio) and Radio 4 supports Bluetooth function.

Set 1 and Set 2 antennas are the same type antennas; only the higher gain antennas Set 1 for 2.4GHz, Set 2 for 5GHz were tested.

**< Radio 1 (2.4GHz Functions) >****For 4TX/4RX:**

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting/receive antennas.

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

**< Radio 2 (5GHz Functions) >****For 4TX/4RX:**

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting/receive antennas.

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

**<For Radio 3 / 2.4GHz + 5GHz Functions>**

Only Port 1 can be use as transmitting/receiving antenna.

**<For Radio 4 / Bluetooth Functions>**

Only Port 1 can be use as transmitting/receiving antenna.



### 1.1.4 Mode Test Duty Cycle

For Radio 2

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ac VHT20	0.873	0.59	5.006m	300
802.11ac VHT40	0.766	1.158	2.437m	1k
802.11ac VHT80	0.839	0.762	1.141m	1k
802.11ac VHT20-BF-NSS1	0.837	0.773	1.765m	1k
802.11ac VHT40-BF-NSS1	0.834	0.788	1.697m	1k
802.11ac VHT80-BF-NSS1	0.864	0.635	1.931m	1k
802.11ac VHT20-BF-NSS2	0.877	0.57	1.753m	1k
802.11ac VHT40-BF-NSS2	0.88	0.555	1.681m	1k
802.11ac VHT80-BF-NSS2	0.857	0.67	1.931m	1k

For Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ac VHT20	0.965	0.155	1.935m	1k
802.11ac VHT40	0.934	0.297	955u	3k
802.11ac VHT80	0.878	0.565	467.5u	3k

For 80+80 MHz Mode

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ac VHT80+80	0.943	0.255	1.14m	1k
802.11ac VHT80+80-BF	0.924	0.343	2.015m	1k

### 1.1.5 EUT Operational Condition

EUT Power Type	From Power Adapter or PoE			
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming For radio 1 and radio 2 802.11n/ac in 2.4GHz/5GHz.	<input type="checkbox"/>	Without beamforming
Weather Band	<input checked="" type="checkbox"/>	With 5600~5650MHz	<input type="checkbox"/>	Without 5600~5650MHz



## 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
- ◆ FCC KDB 789033 D02 v01r04
- ◆ FCC KDB 644545 D03 v01
- ◆ FCC KDB 662911 D01 v02r01

## 1.3 Testing Location Information

Testing Location				
<input type="checkbox"/>	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-318-0055		
<input checked="" type="checkbox"/>	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085		

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Eddie Weng	22°C / 54%	Jul. 25, 2017
Radiated below 1GHz	03CH01-CB	Mars Lin & Joy Tseng & Paul Chen	22°C / 54%	Jul. 27, 2017
Radiated above 1GHz	03CH01-CB	Mars Lin & Joy Tseng & Paul Chen	22°C / 54%	Jun. 19, 2017 ~ Sep. 01, 2017
AC Conduction	C001-CB	GN Hou	21°C / 62%	Jul. 20, 2017

Test site Designation No. TW0006 with FCC

Test site registered number IC 4086D with Industry Canada.

## 1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	$9.74 \times 10^{-8}$	Confidence levels of 95%
Frequency Stability	$6.06 \times 10^{-8}$	Confidence levels of 95%



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

For Radio 2

For set 2 antenna / 4T1S

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	15.5
5200MHz	16
5240MHz	16
5260MHz	9.5
5300MHz	9.5
5320MHz	9.5
5500MHz	9.5
5580MHz	9.5
5700MHz	10
5720MHz Straddle 5.47-5.725GHz	11
5720MHz Straddle 5.725-5.85GHz	11
5745MHz	23
5785MHz	23
5825MHz	23
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	16
5200MHz	16.5
5240MHz	16.5
5260MHz	10
5300MHz	10
5320MHz	10
5500MHz	10
5580MHz	10
5700MHz	10.5
5720MHz Straddle 5.47-5.725GHz	10.5
5720MHz Straddle 5.725-5.85GHz	10.5
5745MHz	23.5
5785MHz	23.5
5825MHz	23.5
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	19
5230MHz	19
5270MHz	13
5310MHz	13
5510MHz	13



Mode	Power Setting
5550MHz	13
5670MHz	13.5
5710MHz Straddle 5.47-5.725GHz	13.5
5710MHz Straddle 5.725-5.85GHz	13.5
5755MHz	21.5
5795MHz	22.5
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	19.5
5290MHz	16.5
5530MHz	16.5
5610MHz	16.5
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	19.5
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	22
5200MHz	22
5240MHz	22
5260MHz	16
5300MHz	16
5320MHz	16
5500MHz	15
5580MHz	15
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	16
5720MHz Straddle 5.725-5.85GHz	16
5745MHz	23
5785MHz	23
5825MHz	23
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	21
5230MHz	21
5270MHz	15
5310MHz	15
5510MHz	15
5550MHz	15
5670MHz	15
5710MHz Straddle 5.47-5.725GHz	16
5710MHz Straddle 5.725-5.85GHz	16
5755MHz	22
5795MHz	22
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-



Mode	Power Setting
5210MHz	21
5290MHz	15
5530MHz	15
5610MHz	15
5690MHz Straddle 5.47-5.725GHz	18
5690MHz Straddle 5.725-5.85GHz	18
5775MHz	23



## For set 2 antenna / 4T2S

Mode	Power Setting
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-
5180MHz	24
5200MHz	24
5240MHz	24
5260MHz	18
5300MHz	18
5320MHz	18
5500MHz	18
5580MHz	18
5700MHz	19
5720MHz Straddle 5.47-5.725GHz	20
5720MHz Straddle 5.725-5.85GHz	20
5745MHz	25
5785MHz	25
5825MHz	25
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-
5190MHz	25
5230MHz	24
5270MHz	18
5310MHz	18
5510MHz	18
5550MHz	18
5670MHz	18
5710MHz Straddle 5.47-5.725GHz	20
5710MHz Straddle 5.725-5.85GHz	20
5755MHz	25
5795MHz	25
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-
5210MHz	24
5290MHz	18
5530MHz	18
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	20
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	26



## For set 3 antenna / 4T1S

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	17
5200MHz	17
5240MHz	17
5260MHz	10.5
5300MHz	10.5
5320MHz	10.5
5500MHz	11
5580MHz	11
5700MHz	11.5
5720MHz Straddle 5.47-5.725GHz	12.5
5720MHz Straddle 5.725-5.85GHz	12.5
5745MHz	19.5
5785MHz	19.5
5825MHz	19.5
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	17.5
5200MHz	17.5
5240MHz	17.5
5260MHz	11
5300MHz	11
5320MHz	11
5500MHz	11.5
5580MHz	11.5
5700MHz	12
5720MHz Straddle 5.47-5.725GHz	12
5720MHz Straddle 5.725-5.85GHz	12
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	19
5230MHz	19.5
5270MHz	13.5
5310MHz	13.5
5510MHz	13.5
5550MHz	13.5
5670MHz	13.5
5710MHz Straddle 5.47-5.725GHz	12.5
5710MHz Straddle 5.725-5.85GHz	12.5
5755MHz	20

**FCC Test Report**

Report No. : FR760624AB

Mode	Power Setting
5795MHz	20
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	18
5290MHz	13.5
5530MHz	13.5
5610MHz	13.5
5690MHz Straddle 5.47-5.725GHz	12.5
5690MHz Straddle 5.725-5.85GHz	13
5775MHz	20
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	23
5200MHz	24
5240MHz	24
5260MHz	18
5300MHz	17
5320MHz	17
5500MHz	16
5580MHz	16
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	23
5785MHz	23
5825MHz	23
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	22
5230MHz	22
5270MHz	16
5310MHz	16
5510MHz	17
5550MHz	17
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	18
5710MHz Straddle 5.725-5.85GHz	18
5755MHz	22
5795MHz	22
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	22
5290MHz	16
5530MHz	17
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	20



## FCC Test Report

Report No. : FR760624AB

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	23



For set 3 antenna

For Harmonic / 4T1S

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	25
5200MHz	25
5240MHz	25
5260MHz	25
5300MHz	25
5320MHz	25
5500MHz	25
5580MHz	25
5700MHz	25
5720MHz Straddle 5.47-5.725GHz	25
5720MHz Straddle 5.725-5.85GHz	25
5745MHz	25
5785MHz	25
5825MHz	25
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	25
5200MHz	25
5240MHz	25
5260MHz	25
5300MHz	25
5320MHz	25
5500MHz	25
5580MHz	25
5700MHz	25
5720MHz Straddle 5.47-5.725GHz	25
5720MHz Straddle 5.725-5.85GHz	25
5745MHz	25
5785MHz	25
5825MHz	25
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	25
5230MHz	25
5270MHz	25
5310MHz	25
5510MHz	25
5550MHz	25
5670MHz	25
5710MHz Straddle 5.47-5.725GHz	25
5710MHz Straddle 5.725-5.85GHz	25

**FCC Test Report**

Report No. : FR760624AB

Mode	Power Setting
5755MHz	25
5795MHz	25
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	25
5290MHz	25
5530MHz	25
5610MHz	25
5690MHz Straddle 5.47-5.725GHz	25
5690MHz Straddle 5.725-5.85GHz	25
5775MHz	25
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	29
5200MHz	29
5240MHz	29
5260MHz	29
5300MHz	29
5320MHz	29
5500MHz	29
5580MHz	29
5700MHz	29
5720MHz Straddle 5.47-5.725GHz	29
5720MHz Straddle 5.725-5.85GHz	29
5745MHz	29
5785MHz	29
5825MHz	29
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	29
5230MHz	29
5270MHz	29
5310MHz	29
5510MHz	29
5550MHz	29
5670MHz	29
5710MHz Straddle 5.47-5.725GHz	29
5710MHz Straddle 5.725-5.85GHz	29
5755MHz	29
5795MHz	29
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	29
5290MHz	29
5530MHz	29
5610MHz	29

**FCC Test Report****Report No. : FR760624AB**

Mode	Power Setting
5690MHz Straddle 5.47-5.725GHz	29
5690MHz Straddle 5.725-5.85GHz	29
5775MHz	29



## For set 3 antenna / 4T2S

Mode	Power Setting
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-
5180MHz	25
5200MHz	25
5240MHz	25
5260MHz	19
5300MHz	19
5320MHz	19
5500MHz	20
5580MHz	20
5700MHz	20
5720MHz Straddle 5.47-5.725GHz	21
5720MHz Straddle 5.725-5.85GHz	21
5745MHz	25
5785MHz	25
5825MHz	25
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-
5190MHz	24
5230MHz	26
5270MHz	20
5310MHz	20
5510MHz	20
5550MHz	20
5670MHz	20
5710MHz Straddle 5.47-5.725GHz	22
5710MHz Straddle 5.725-5.85GHz	22
5755MHz	25
5795MHz	25
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-
5210MHz	23
5290MHz	19
5530MHz	20
5610MHz	20
5690MHz Straddle 5.47-5.725GHz	22
5690MHz Straddle 5.725-5.85GHz	22
5775MHz	26



For set 3 antenna  
For Harmonic / 4T2S

Mode	Power Setting
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-
5180MHz	29
5200MHz	29
5240MHz	29
5260MHz	29
5300MHz	29
5320MHz	29
5500MHz	29
5580MHz	29
5700MHz	29
5720MHz Straddle 5.47-5.725GHz	29
5720MHz Straddle 5.725-5.85GHz	29
5745MHz	29
5785MHz	29
5825MHz	29
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-
5190MHz	29
5230MHz	29
5270MHz	29
5310MHz	29
5510MHz	29
5550MHz	29
5670MHz	29
5710MHz Straddle 5.47-5.725GHz	29
5710MHz Straddle 5.725-5.85GHz	29
5755MHz	29
5795MHz	29
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-
5210MHz	29
5290MHz	29
5530MHz	29
5610MHz	29
5690MHz Straddle 5.47-5.725GHz	29
5690MHz Straddle 5.725-5.85GHz	29
5775MHz	29



## For set 4 antenna / 4T1S

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	18.5
5200MHz	18.5
5240MHz	18.5
5260MHz	11.5
5300MHz	11
5320MHz	11.5
5500MHz	11
5580MHz	11
5700MHz	11.5
5720MHz Straddle 5.47-5.725GHz	12.5
5720MHz Straddle 5.725-5.85GHz	12.5
5745MHz	23.5
5785MHz	23.5
5825MHz	23.5
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	19
5200MHz	19
5240MHz	19
5260MHz	12
5300MHz	11.5
5320MHz	12
5500MHz	11.5
5580MHz	11.5
5700MHz	12
5720MHz Straddle 5.47-5.725GHz	12
5720MHz Straddle 5.725-5.85GHz	12
5745MHz	24
5785MHz	24
5825MHz	24
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	20
5230MHz	21.5
5270MHz	15
5310MHz	15
5510MHz	14.5
5550MHz	14.5
5670MHz	15
5710MHz Straddle 5.47-5.725GHz	15
5710MHz Straddle 5.725-5.85GHz	15
5755MHz	22

**FCC Test Report**

Report No. : FR760624AB

Mode	Power Setting
5795MHz	23
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	19.5
5290MHz	17
5530MHz	17
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	16
5690MHz Straddle 5.725-5.85GHz	16
5775MHz	20
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	25
5200MHz	25
5240MHz	25
5260MHz	19
5300MHz	18
5320MHz	18
5500MHz	16
5580MHz	16
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	26
5785MHz	26
5825MHz	26
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	23
5230MHz	23
5270MHz	17
5310MHz	17
5510MHz	17
5550MHz	17
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	18
5710MHz Straddle 5.725-5.85GHz	18
5755MHz	25
5795MHz	25
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	24
5290MHz	17
5530MHz	17
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	20

**FCC Test Report****Report No. : FR760624AB**

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	26



## For set 4 antenna / 4T2S

Mode	Power Setting
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-
5180MHz	25
5200MHz	26
5240MHz	26
5260MHz	20
5300MHz	20
5320MHz	20
5500MHz	20
5580MHz	20
5700MHz	20
5720MHz Straddle 5.47-5.725GHz	21
5720MHz Straddle 5.725-5.85GHz	21
5745MHz	28
5785MHz	28
5825MHz	28
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-
5190MHz	25
5230MHz	27
5270MHz	21
5310MHz	21
5510MHz	20
5550MHz	20
5670MHz	20
5710MHz Straddle 5.47-5.725GHz	22
5710MHz Straddle 5.725-5.85GHz	22
5755MHz	28
5795MHz	28
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-
5210MHz	25
5290MHz	20
5530MHz	20
5610MHz	20
5690MHz Straddle 5.47-5.725GHz	22
5690MHz Straddle 5.725-5.85GHz	22
5775MHz	26



## For set 5 antenna / 4T1S

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	19
5200MHz	19
5240MHz	19
5260MHz	13
5300MHz	13
5320MHz	13
5500MHz	13
5580MHz	13
5700MHz	13.5
5720MHz Straddle 5.47-5.725GHz	13.5
5720MHz Straddle 5.725-5.85GHz	13.5
5745MHz	22.5
5785MHz	23
5825MHz	23
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	19.5
5200MHz	19.5
5240MHz	19.5
5260MHz	13.5
5300MHz	13.5
5320MHz	13.5
5500MHz	13.5
5580MHz	13.5
5700MHz	14
5720MHz Straddle 5.47-5.725GHz	14
5720MHz Straddle 5.725-5.85GHz	14
5745MHz	23
5785MHz	23.5
5825MHz	23.5
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	19
5230MHz	20.5
5270MHz	15.5
5310MHz	15.5
5510MHz	15.5
5550MHz	15.5
5670MHz	15.5
5710MHz Straddle 5.47-5.725GHz	15.5
5710MHz Straddle 5.725-5.85GHz	15.5
5755MHz	21.5



Mode	Power Setting
5795MHz	23
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	19
5290MHz	17
5530MHz	17
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17.5
5690MHz Straddle 5.725-5.85GHz	17.5
5775MHz	19.5
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	24
5200MHz	24
5240MHz	24
5260MHz	18
5300MHz	18
5320MHz	18
5500MHz	18
5580MHz	18
5700MHz	18
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
5745MHz	25
5785MHz	25
5825MHz	25
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	24
5230MHz	24
5270MHz	18
5310MHz	19
5510MHz	19
5550MHz	19
5670MHz	19
5710MHz Straddle 5.47-5.725GHz	19
5710MHz Straddle 5.725-5.85GHz	19
5755MHz	25
5795MHz	25
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	22
5290MHz	18
5530MHz	18
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	18

**FCC Test Report****Report No. : FR760624AB**

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	18
5775MHz	25



## For set 5 antenna / 4T2S

Mode	Power Setting
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-
5180MHz	26
5200MHz	26
5240MHz	26
5260MHz	20
5300MHz	20
5320MHz	20
5500MHz	20
5580MHz	20
5700MHz	20
5720MHz Straddle 5.47-5.725GHz	21
5720MHz Straddle 5.725-5.85GHz	21
5745MHz	27
5785MHz	27
5825MHz	27
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-
5190MHz	24
5230MHz	26
5270MHz	20
5310MHz	20
5510MHz	20
5550MHz	20
5670MHz	20
5710MHz Straddle 5.47-5.725GHz	21
5710MHz Straddle 5.725-5.85GHz	21
5755MHz	27
5795MHz	27
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-
5210MHz	24
5290MHz	20
5530MHz	20
5610MHz	20
5690MHz Straddle 5.47-5.725GHz	20
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	26



## For set 6 antenna / 4T1S

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	19.5
5200MHz	21
5240MHz	21
5260MHz	15
5300MHz	15
5320MHz	15.5
5500MHz	15
5580MHz	15
5700MHz	15
5720MHz Straddle 5.47-5.725GHz	15.5
5720MHz Straddle 5.725-5.85GHz	15.5
5745MHz	23
5785MHz	23.5
5825MHz	23
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	20.5
5200MHz	21.5
5240MHz	21.5
5260MHz	15.5
5300MHz	15.5
5320MHz	16
5500MHz	15.5
5580MHz	15.5
5700MHz	15.5
5720MHz Straddle 5.47-5.725GHz	15.5
5720MHz Straddle 5.725-5.85GHz	15.5
5745MHz	23.5
5785MHz	23.5
5825MHz	23.5
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	19.5
5230MHz	21
5270MHz	16.5
5310MHz	16.5
5510MHz	16
5550MHz	16
5670MHz	16
5710MHz Straddle 5.47-5.725GHz	15.5
5710MHz Straddle 5.725-5.85GHz	15.5
5755MHz	22

**FCC Test Report**

Report No. : FR760624AB

Mode	Power Setting
5795MHz	23
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	19
5290MHz	17
5530MHz	17
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17.5
5690MHz Straddle 5.725-5.85GHz	17.5
5775MHz	19.5
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	25
5200MHz	25
5240MHz	25
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5260MHz	20
5300MHz	20
5320MHz	20
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5500MHz	20
5580MHz	20
5700MHz	20
5720MHz Straddle 5.47-5.725GHz	20
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5720MHz Straddle 5.725-5.85GHz	20
5745MHz	27
5785MHz	27
5825MHz	27
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	25
5230MHz	26
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5270MHz	20
5310MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5510MHz	20
5550MHz	20
5670MHz	20
5710MHz Straddle 5.47-5.725GHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5710MHz Straddle 5.725-5.85GHz	20
5755MHz	27
5795MHz	27

**FCC Test Report****Report No. : FR760624AB**

Mode	Power Setting
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	25
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5290MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5530MHz	20
5610MHz	20
5690MHz Straddle 5.47-5.725GHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	27



For set 6 antenna

For Harmonic / 4T1S

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	25
5200MHz	25
5240MHz	25
5260MHz	25
5300MHz	25
5320MHz	25
5500MHz	25
5580MHz	25
5700MHz	25
5720MHz Straddle 5.47-5.725GHz	25
5720MHz Straddle 5.725-5.85GHz	25
5745MHz	25
5785MHz	25
5825MHz	25
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	25
5200MHz	25
5240MHz	25
5260MHz	25
5300MHz	25
5320MHz	25
5500MHz	25
5580MHz	25
5700MHz	25
5720MHz Straddle 5.47-5.725GHz	25
5720MHz Straddle 5.725-5.85GHz	25
5745MHz	25
5785MHz	25
5825MHz	25
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	25
5230MHz	25
5270MHz	25
5310MHz	25
5510MHz	25
5550MHz	25
5670MHz	25
5710MHz Straddle 5.47-5.725GHz	25
5710MHz Straddle 5.725-5.85GHz	25



Mode	Power Setting
5755MHz	25
5795MHz	25
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	25
5290MHz	25
5530MHz	25
5610MHz	25
5690MHz Straddle 5.47-5.725GHz	25
5690MHz Straddle 5.725-5.85GHz	25
5775MHz	25
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	29
5200MHz	29
5240MHz	29
5260MHz	29
5300MHz	29
5320MHz	29
5500MHz	29
5580MHz	29
5700MHz	29
5720MHz Straddle 5.47-5.725GHz	29
5720MHz Straddle 5.725-5.85GHz	29
5745MHz	29
5785MHz	29
5825MHz	29
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	29
5230MHz	29
5270MHz	29
5310MHz	29
5510MHz	29
5550MHz	29
5670MHz	29
5710MHz Straddle 5.47-5.725GHz	29
5710MHz Straddle 5.725-5.85GHz	29
5755MHz	29
5795MHz	29
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	29
5290MHz	29
5530MHz	29
5610MHz	29



Mode	Power Setting
5690MHz Straddle 5.47-5.725GHz	29
5690MHz Straddle 5.725-5.85GHz	29
5775MHz	29



## For set 6 antenna / 4T2S

Mode	Power Setting
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-
5180MHz	26
5200MHz	26
5240MHz	26
5260MHz	20
5300MHz	20
5320MHz	20
5500MHz	20
5580MHz	20
5700MHz	20
5720MHz Straddle 5.47-5.725GHz	21
5720MHz Straddle 5.725-5.85GHz	21
5745MHz	27
5785MHz	27
5825MHz	27
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-
5190MHz	25
5230MHz	26
5270MHz	20
5310MHz	20
5510MHz	20
5550MHz	20
5670MHz	20
5710MHz Straddle 5.47-5.725GHz	21
5710MHz Straddle 5.725-5.85GHz	21
5755MHz	27
5795MHz	27
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-
5210MHz	25
5290MHz	20
5530MHz	20
5610MHz	20
5690MHz Straddle 5.47-5.725GHz	20
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	27



For set 6 antenna  
For Harmonic / 4T2S

Mode	Power Setting
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-
5180MHz	29
5200MHz	29
5240MHz	29
5260MHz	29
5300MHz	29
5320MHz	29
5500MHz	29
5580MHz	29
5700MHz	29
5720MHz Straddle 5.47-5.725GHz	29
5720MHz Straddle 5.725-5.85GHz	29
5745MHz	29
5785MHz	29
5825MHz	29
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-
5190MHz	29
5230MHz	29
5270MHz	29
5310MHz	29
5510MHz	29
5550MHz	29
5670MHz	29
5710MHz Straddle 5.47-5.725GHz	29
5710MHz Straddle 5.725-5.85GHz	29
5755MHz	29
5795MHz	29
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-
5210MHz	29
5290MHz	29
5530MHz	29
5610MHz	29
5690MHz Straddle 5.47-5.725GHz	29
5690MHz Straddle 5.725-5.85GHz	29
5775MHz	29



## For Radio 3

## For set 2 antenna

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	20.5
5200MHz	29.5
5240MHz	20.5
5260MHz	29.5
5300MHz	26
5320MHz	20.5
5500MHz	19.5
5580MHz	29.5
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	29.5
5720MHz Straddle 5.725-5.85GHz	29.5
5745MHz	29.5
5785MHz	29.5
5825MHz	29.5
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	21
5200MHz	30
5240MHz	21
5260MHz	30
5300MHz	26.5
5320MHz	21
5500MHz	20
5580MHz	30
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	30
5785MHz	30
5825MHz	30
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	14.5
5230MHz	21
5270MHz	25.5
5310MHz	14.5
5510MHz	15.5
5550MHz	26
5670MHz	20
5710MHz Straddle 5.47-5.725GHz	30
5710MHz Straddle 5.725-5.85GHz	30

**FCC Test Report****Report No. : FR760624AB**

Mode	Power Setting
5755MHz	24.5
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	14
5290MHz	11.5
5530MHz	13.5
5610MHz	22
5690MHz Straddle 5.47-5.725GHz	30
5690MHz Straddle 5.725-5.85GHz	30
5775MHz	22.5



## For set 3 antenna

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	18.5
5200MHz	28
5240MHz	20.5
5260MHz	21
5300MHz	21
5320MHz	19.5
5500MHz	17.5
5580MHz	20.5
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	20.5
5720MHz Straddle 5.725-5.85GHz	20.5
5745MHz	29.5
5785MHz	29.5
5825MHz	29.5
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	19
5200MHz	28.5
5240MHz	21
5260MHz	21.5
5300MHz	21.5
5320MHz	20
5500MHz	18
5580MHz	21
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	21
5720MHz Straddle 5.725-5.85GHz	21
5745MHz	30
5785MHz	30
5825MHz	30
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	13
5230MHz	21
5270MHz	21.5
5310MHz	13.5
5510MHz	14.5
5550MHz	21.5
5670MHz	21.5
5710MHz Straddle 5.47-5.725GHz	21.5
5710MHz Straddle 5.725-5.85GHz	21.5
5755MHz	24.5

**FCC Test Report****Report No. : FR760624AB**

Mode	Power Setting
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	11
5290MHz	9
5530MHz	13
5610MHz	21.5
5690MHz Straddle 5.47-5.725GHz	21.5
5690MHz Straddle 5.725-5.85GHz	21.5
5775MHz	22.5



For set 3 antenna

For Harmonic

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	30
5200MHz	30
5240MHz	30
5260MHz	30
5300MHz	30
5320MHz	30
5500MHz	30
5580MHz	30
5700MHz	30
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	30
5785MHz	30
5825MHz	30
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	30
5200MHz	30
5240MHz	30
5260MHz	30
5300MHz	30
5320MHz	30
5500MHz	30
5580MHz	30
5700MHz	30
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	30
5785MHz	30
5825MHz	30
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	30
5230MHz	30
5270MHz	30
5310MHz	30
5510MHz	30
5550MHz	30
5670MHz	30
5710MHz Straddle 5.47-5.725GHz	30
5710MHz Straddle 5.725-5.85GHz	30

**FCC Test Report****Report No. : FR760624AB**

Mode	Power Setting
5755MHz	30
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	30
5290MHz	30
5530MHz	30
5610MHz	30
5690MHz Straddle 5.47-5.725GHz	30
5690MHz Straddle 5.725-5.85GHz	30
5775MHz	30



## For set 4 antenna

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	22
5200MHz	29.5
5240MHz	20.5
5260MHz	29.5
5300MHz	27.5
5320MHz	20
5500MHz	18.5
5580MHz	29.5
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	29.5
5720MHz Straddle 5.725-5.85GHz	29.5
5745MHz	29.5
5785MHz	29.5
5825MHz	29.5
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	22.5
5200MHz	30
5240MHz	21
5260MHz	30
5300MHz	28
5320MHz	20.5
5500MHz	19
5580MHz	30
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	30
5785MHz	30
5825MHz	30
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	15
5230MHz	21
5270MHz	25.5
5310MHz	15
5510MHz	15.5
5550MHz	26
5670MHz	21.5
5710MHz Straddle 5.47-5.725GHz	30
5710MHz Straddle 5.725-5.85GHz	30
5755MHz	24.5



Mode	Power Setting
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	15
5290MHz	13
5530MHz	14.5
5610MHz	25
5690MHz Straddle 5.47-5.725GHz	30
5690MHz Straddle 5.725-5.85GHz	30
5775MHz	22.5



## For set 5 antenna

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	19.5
5200MHz	26.5
5240MHz	18.5
5260MHz	29.5
5300MHz	24.5
5320MHz	18
5500MHz	14.5
5580MHz	29.5
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	29.5
5720MHz Straddle 5.725-5.85GHz	29.5
5745MHz	29.5
5785MHz	29.5
5825MHz	29.5
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	20
5200MHz	27
5240MHz	19
5260MHz	30
5300MHz	25
5320MHz	18.5
5500MHz	15
5580MHz	30
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	30
5785MHz	30
5825MHz	30
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	14.5
5230MHz	19.5
5270MHz	23
5310MHz	12
5510MHz	14
5550MHz	23.5
5670MHz	22.5
5710MHz Straddle 5.47-5.725GHz	30
5710MHz Straddle 5.725-5.85GHz	30
5755MHz	23

**FCC Test Report****Report No. : FR760624AB**

Mode	Power Setting
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	13
5290MHz	9
5530MHz	12.5
5610MHz	21.5
5690MHz Straddle 5.47-5.725GHz	28.5
5690MHz Straddle 5.725-5.85GHz	28.5
5775MHz	20.5



## For set 6 antenna

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	20.5
5200MHz	26.5
5240MHz	18.5
5260MHz	29.5
5300MHz	25.5
5320MHz	19
5500MHz	18.5
5580MHz	29.5
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	29.5
5720MHz Straddle 5.725-5.85GHz	29.5
5745MHz	29.5
5785MHz	29.5
5825MHz	29.5
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	21
5200MHz	27
5240MHz	19
5260MHz	30
5300MHz	26
5320MHz	19.5
5500MHz	19
5580MHz	30
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	30
5785MHz	30
5825MHz	30
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	15
5230MHz	19.5
5270MHz	24
5310MHz	14
5510MHz	15
5550MHz	26
5670MHz	23
5710MHz Straddle 5.47-5.725GHz	30
5710MHz Straddle 5.725-5.85GHz	30
5755MHz	23



Mode	Power Setting
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	14.5
5290MHz	12.5
5530MHz	14
5610MHz	24
5690MHz Straddle 5.47-5.725GHz	29.5
5690MHz Straddle 5.725-5.85GHz	29.5
5775MHz	20.5



For set 6 antenna

For Harmonic

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	30
5200MHz	30
5240MHz	30
5260MHz	30
5300MHz	30
5320MHz	30
5500MHz	30
5580MHz	30
5700MHz	30
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	30
5785MHz	30
5825MHz	30
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	30
5200MHz	30
5240MHz	30
5260MHz	30
5300MHz	30
5320MHz	30
5500MHz	30
5580MHz	30
5700MHz	30
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	30
5785MHz	30
5825MHz	30
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	30
5230MHz	30
5270MHz	30
5310MHz	30
5510MHz	30
5550MHz	30
5670MHz	30
5710MHz Straddle 5.47-5.725GHz	30
5710MHz Straddle 5.725-5.85GHz	30

**FCC Test Report****Report No. : FR760624AB**

Mode	Power Setting
5755MHz	30
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	30
5290MHz	30
5530MHz	30
5610MHz	30
5690MHz Straddle 5.47-5.725GHz	30
5690MHz Straddle 5.725-5.85GHz	30
5775MHz	30

**For 80+80 MHz Mode****For set 2 antenna / 4T2S****<For non-beamforming mode>**

Mode	Power Setting
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	19.5
#5210MHz,5610MHz	20.5
#5210MHz,5690MHz	19
#5210MHz,5775MHz	20.5
#5210MHz,5290MHz	19
#5290MHz,5530MHz	19
#5290MHz,5610MHz	19
#5290MHz,5690MHz	19.5
#5290MHz,5775MHz	20
5210MHz,#5290MHz	19
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5530MHz,5775MHz	20
#5610MHz,5775MHz	20
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	20.5
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
5210MHz,#5530MHz	19.5
5290MHz,#5530MHz	19
5210MHz,#5610MHz	20.5
5290MHz,#5610MHz	19
5210MHz,#5690MHz Straddle 5.47-5.725GHz	19
5290MHz,#5690MHz Straddle 5.47-5.725GHz	19.5
#5530MHz,#5610MHz	17
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	17.5
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	17
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	17.5
#5610MHz,#5690MHz Straddle 5.725-5.85GHz	17
5210MHz,#5690MHz Straddle 5.725-5.85GHz	19
5290MHz,#5690MHz Straddle 5.725-5.85GHz	19.5
5210MHz,#5775MHz	20.5
5290MHz,#5775MHz	20
5530MHz,#5775MHz	20
5610MHz,#5775MHz	20
802.11ac VHT80+80_Nss2,(MCS0)_4TX	-
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	20.5



## &lt;For beamforming mode&gt;

Mode	Power Setting
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	23
#5210MHz,5610MHz	23
#5210MHz,5690MHz	23
#5210MHz,5775MHz	25
#5210MHz,5290MHz	23
#5290MHz,5530MHz	23
#5290MHz,5610MHz	23
#5290MHz,5690MHz	23
#5290MHz,5775MHz	23
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
5210MHz,#5290MHz	23
5210MHz,#5530MHz	23
5290MHz,#5530MHz	23
5210MHz,#5610MHz	23
5290MHz,#5610MHz	23
5210MHz,#5690MHz Straddle 5.47-5.725GHz	23
5290MHz,#5690MHz Straddle 5.47-5.725GHz	23
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5530MHz,5775MHz	23
#5610MHz,5775MHz	23
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	23
802.11ac VHT80+80-BF_Nss2,(MCS0)_4TX	-
#5530MHz,#5610MHz	20
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	19
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	19
5210MHz,#5690MHz Straddle 5.725-5.85GHz	23
5290MHz,#5690MHz Straddle 5.725-5.85GHz	23
5210MHz,#5775MHz	25
5290MHz,#5775MHz	23
5530MHz,#5775MHz	23
5610MHz,#5775MHz	23
802.11ac VHT80+80-BF_Nss2,(MCS0)_4TX	-
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	23



## For set 3 antenna / 4T2S

&lt;For non-beamforming mode&gt;

Mode	Power Setting
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	17
#5210MHz,5610MHz	17
#5210MHz,5690MHz	17
#5210MHz,5775MHz	19
#5210MHz,5290MHz	16.5
#5290MHz,5530MHz	16.5
#5290MHz,5610MHz	16.5
#5290MHz,5690MHz	16.5
#5290MHz,5775MHz	16.5
5210MHz,#5290MHz	16.5
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5530MHz,5775MHz	16.5
#5610MHz,5775MHz	16.5
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	16.5
5210MHz,#5530MHz	17
5290MHz,#5530MHz	16.5
5210MHz,#5610MHz	17
5290MHz,#5610MHz	16.5
5210MHz,#5690MHz Straddle 5.47-5.725GHz	17
5290MHz,#5690MHz Straddle 5.47-5.725GHz	16.5
#5530MHz,#5610MHz	13.5
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	13.5
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	13.5
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	13.5
#5610MHz,#5690MHz Straddle 5.725-5.85GHz	13.5
5210MHz,#5690MHz Straddle 5.725-5.85GHz	17
5290MHz,#5690MHz Straddle 5.725-5.85GHz	16.5
5210MHz,#5775MHz	19
5290MHz,#5775MHz	16.5
5530MHz,#5775MHz	16.5
5610MHz,#5775MHz	16.5
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	16.5



For set 3 antenna

For Harmonic

Mode	Power Setting
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	25
#5210MHz,5610MHz	25
#5210MHz,5690MHz	25
#5210MHz,5775MHz	25
#5210MHz,5290MHz	25
#5290MHz,5530MHz	25
#5290MHz,5610MHz	25
#5290MHz,5690MHz	25
#5290MHz,5775MHz	25
5210MHz,#5290MHz	25
#5530MHz,5775MHz	25
#5610MHz,5775MHz	25
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	25
5210MHz,#5530MHz	25
5290MHz,#5530MHz	25
5210MHz,#5610MHz	25
5290MHz,#5610MHz	25
5210MHz,#5690MHz Straddle 5.47-5.725GHz	25
5290MHz,#5690MHz Straddle 5.47-5.725GHz	25
#5530MHz,#5610MHz	25
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	25
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	25
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	25
#5610MHz,#5690MHz Straddle 5.725-5.85GHz	25
5210MHz,#5690MHz Straddle 5.725-5.85GHz	25
5290MHz,#5690MHz Straddle 5.725-5.85GHz	25
5210MHz,#5775MHz	25
5290MHz,#5775MHz	25
5530MHz,#5775MHz	25
5610MHz,#5775MHz	25
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	25



## &lt;For beamforming mode&gt;

Mode	Power Setting
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	23
#5210MHz,5610MHz	23
#5210MHz,5690MHz	23
#5210MHz,5775MHz	24
#5210MHz,5290MHz	23
#5290MHz,5530MHz	23
#5290MHz,5610MHz	22
#5290MHz,5690MHz	23
#5290MHz,5775MHz	23
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
5210MHz,#5290MHz	23
5210MHz,#5530MHz	23
5290MHz,#5530MHz	23
5210MHz,#5610MHz	23
5290MHz,#5610MHz	22
5210MHz,#5690MHz Straddle 5.47-5.725GHz	23
5290MHz,#5690MHz Straddle 5.47-5.725GHz	23
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5530MHz,5775MHz	23
#5610MHz,5775MHz	23
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	23
802.11ac VHT80+80-BF_Nss2,(MCS0)_4TX	-
#5530MHz,#5610MHz	20
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	19
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	19
5210MHz,#5690MHz Straddle 5.725-5.85GHz	23
5290MHz,#5690MHz Straddle 5.725-5.85GHz	23
5210MHz,#5775MHz	24
5290MHz,#5775MHz	23
5530MHz,#5775MHz	23
5610MHz,#5775MHz	23
802.11ac VHT80+80-BF_Nss2,(MCS0)_4TX	-
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	23



## For set 3 antenna

## For Harmonic

Mode	Power Setting
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	29
#5210MHz,5610MHz	29
#5210MHz,5690MHz	29
#5210MHz,5775MHz	29
#5210MHz,5290MHz	29
#5290MHz,5530MHz	29
#5290MHz,5610MHz	29
#5290MHz,5690MHz	29
#5290MHz,5775MHz	29
5210MHz,#5290MHz	29
5210MHz,#5530MHz	29
5290MHz,#5530MHz	29
5210MHz,#5610MHz	29
5290MHz,#5610MHz	29
5210MHz,#5690MHz Straddle 5.47-5.725GHz	29
5290MHz,#5690MHz Straddle 5.47-5.725GHz	29
#5530MHz,5775MHz	29
#5610MHz,5775MHz	29
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	29
#5530MHz,#5610MHz	29
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	29
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	29
5210MHz,#5690MHz Straddle 5.725-5.85GHz	29
5290MHz,#5690MHz Straddle 5.725-5.85GHz	29
5210MHz,#5775MHz	29
5290MHz,#5775MHz	29
5530MHz,#5775MHz	29
5610MHz,#5775MHz	29
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	29



## For set 4 antenna / 4T2S

&lt;For non-beamforming mode&gt;

Mode	Power Setting
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	19.5
#5210MHz,5610MHz	20.5
#5210MHz,5690MHz	20.5
#5210MHz,5775MHz	20.5
#5210MHz,5290MHz	19
#5290MHz,5530MHz	18.5
#5290MHz,5610MHz	18.5
#5290MHz,5690MHz	18.5
#5290MHz,5775MHz	18.5
5210MHz,#5290MHz	19
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5530MHz,5775MHz	20
#5610MHz,5775MHz	20
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	20
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
5210MHz,#5530MHz	17
5290MHz,#5530MHz	18.5
5210MHz,#5610MHz	20.5
5290MHz,#5610MHz	18.5
5210MHz,#5690MHz Straddle 5.47-5.725GHz	20.5
5290MHz,#5690MHz Straddle 5.47-5.725GHz	18.5
#5530MHz,#5610MHz	17
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	17
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	17
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	17
#5610MHz,#5690MHz Straddle 5.725-5.85GHz	17
5210MHz,#5690MHz Straddle 5.725-5.85GHz	20.5
5290MHz,#5690MHz Straddle 5.725-5.85GHz	18.5
5210MHz,#5775MHz	20.5
5290MHz,#5775MHz	18.5
5530MHz,#5775MHz	20
5610MHz,#5775MHz	20
802.11ac VHT80+80_Nss2,(MCS0)_4TX	-
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	20



## &lt;For beamforming mode&gt;

Mode	Power Setting
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	24
#5210MHz,5610MHz	25
#5210MHz,5690MHz	24
#5210MHz,5775MHz	24
#5210MHz,5290MHz	24
#5290MHz,5530MHz	23
#5290MHz,5610MHz	22
#5290MHz,5690MHz	23
#5290MHz,5775MHz	24
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
5210MHz,#5290MHz	24
5210MHz,#5530MHz	24
5290MHz,#5530MHz	23
5210MHz,#5610MHz	25
5290MHz,#5610MHz	22
5210MHz,#5690MHz Straddle 5.47-5.725GHz	24
5290MHz,#5690MHz Straddle 5.47-5.725GHz	23
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5530MHz,5775MHz	25
#5610MHz,5775MHz	25
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	25
802.11ac VHT80+80-BF_Nss2,(MCS0)_4TX	-
#5530MHz,#5610MHz	22
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	21
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	21
5210MHz,#5690MHz Straddle 5.725-5.85GHz	24
5290MHz,#5690MHz Straddle 5.725-5.85GHz	23
5210MHz,#5775MHz	24
5290MHz,#5775MHz	24
5530MHz,#5775MHz	25
5610MHz,#5775MHz	25
802.11ac VHT80+80-BF_Nss2,(MCS0)_4TX	-
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	25



## For set 5 antenna / 4T2S

## &lt;For non-beamforming mode&gt;

Mode	Power Setting
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	19
#5210MHz,5610MHz	19
#5210MHz,5690MHz	19
#5210MHz,5775MHz	20
#5210MHz,5290MHz	19
#5290MHz,5530MHz	19
#5290MHz,5610MHz	19
#5290MHz,5690MHz	19
#5290MHz,5775MHz	19
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
5210MHz,#5290MHz	19
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5530MHz,5775MHz	19
#5610MHz,5775MHz	19
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	19
5210MHz,#5530MHz	19
5290MHz,#5530MHz	19
5210MHz,#5610MHz	19
5290MHz,#5610MHz	19
5210MHz,#5690MHz Straddle 5.47-5.725GHz	19
5290MHz,#5690MHz Straddle 5.47-5.725GHz	19
#5530MHz,#5610MHz	16
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	16
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	16
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	16
#5610MHz,#5690MHz Straddle 5.725-5.85GHz	16
5210MHz,#5690MHz Straddle 5.725-5.85GHz	19
5290MHz,#5690MHz Straddle 5.725-5.85GHz	19
5210MHz,#5775MHz	20
5290MHz,#5775MHz	19
5530MHz,#5775MHz	19
5610MHz,#5775MHz	19
802.11ac VHT80+80_Nss2,(MCS0)_4TX	-
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	19



## &lt;For beamforming mode&gt;

Mode	Power Setting
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	24
#5210MHz,5610MHz	25
#5210MHz,5690MHz	25
#5210MHz,5775MHz	24
#5210MHz,5290MHz	24
#5290MHz,5530MHz	24
#5290MHz,5610MHz	23
#5290MHz,5690MHz	23
#5290MHz,5775MHz	24
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
5210MHz,#5290MHz	24
5210MHz,#5530MHz	24
5290MHz,#5530MHz	24
5210MHz,#5610MHz	25
5290MHz,#5610MHz	23
5210MHz,#5690MHz Straddle 5.47-5.725GHz	25
5290MHz,#5690MHz Straddle 5.47-5.725GHz	23
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5530MHz,5775MHz	21
#5610MHz,5775MHz	20
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	24
802.11ac VHT80+80-BF_Nss2,(MCS0)_4TX	-
#5530MHz,#5610MHz	22
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	22
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	22
5210MHz,#5690MHz Straddle 5.725-5.85GHz	25
5290MHz,#5690MHz Straddle 5.725-5.85GHz	23
5210MHz,#5775MHz	24
5290MHz,#5775MHz	24
5530MHz,#5775MHz	21
5610MHz,#5775MHz	20
802.11ac VHT80+80-BF_Nss2,(MCS0)_4TX	-
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	24



For set 6 antenna / 4T2S

&lt;For non-beamforming mode&gt;

Mode	Power Setting
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	19
#5210MHz,5610MHz	19
#5210MHz,5690MHz	19
#5210MHz,5775MHz	20.5
#5210MHz,5290MHz	19
#5290MHz,5530MHz	19
#5290MHz,5610MHz	19
#5290MHz,5690MHz	19
#5290MHz,5775MHz	19
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
5210MHz,#5290MHz	19
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5530MHz,5775MHz	19
#5610MHz,5775MHz	19
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	19
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
5210MHz,#5530MHz	19
5290MHz,#5530MHz	19
5210MHz,#5610MHz	19
5290MHz,#5610MHz	19
5210MHz,#5690MHz Straddle 5.47-5.725GHz	19
5290MHz,#5690MHz Straddle 5.47-5.725GHz	19
#5530MHz,#5610MHz	16
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	16
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	16
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	16
#5610MHz,#5690MHz Straddle 5.725-5.85GHz	16
5210MHz,#5690MHz Straddle 5.725-5.85GHz	19
5290MHz,#5690MHz Straddle 5.725-5.85GHz	19
5210MHz,#5775MHz	20.5
5290MHz,#5775MHz	19
5530MHz,#5775MHz	19
5610MHz,#5775MHz	19
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	19



For set 6 antenna

For Harmonic

Mode	Power Setting
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	25
#5210MHz,5610MHz	25
#5210MHz,5690MHz	25
#5210MHz,5775MHz	25
#5210MHz,5290MHz	25
#5290MHz,5530MHz	25
#5290MHz,5610MHz	25
#5290MHz,5690MHz	25
#5290MHz,5775MHz	25
5210MHz,#5290MHz	25
#5530MHz,5775MHz	25
#5610MHz,5775MHz	25
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	25
5210MHz,#5530MHz	25
5290MHz,#5530MHz	25
5210MHz,#5610MHz	25
5290MHz,#5610MHz	25
5210MHz,#5690MHz Straddle 5.47-5.725GHz	25
5290MHz,#5690MHz Straddle 5.47-5.725GHz	25
#5530MHz,#5610MHz	25
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	25
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	25
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	25
#5610MHz,#5690MHz Straddle 5.725-5.85GHz	25
5210MHz,#5690MHz Straddle 5.725-5.85GHz	25
5290MHz,#5690MHz Straddle 5.725-5.85GHz	25
5210MHz,#5775MHz	25
5290MHz,#5775MHz	25
5530MHz,#5775MHz	25
5610MHz,#5775MHz	25
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	25



## &lt;For beamforming mode&gt;

Mode	Power Setting
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	25
#5210MHz,5610MHz	25
#5210MHz,5690MHz	25
#5210MHz,5775MHz	25
#5210MHz,5290MHz	23
#5290MHz,5530MHz	23
#5290MHz,5610MHz	24
#5290MHz,5690MHz	25
#5290MHz,5775MHz	24
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
5210MHz,#5290MHz	23
5210MHz,#5530MHz	25
5290MHz,#5530MHz	23
5210MHz,#5610MHz	25
5290MHz,#5610MHz	24
5210MHz,#5690MHz Straddle 5.47-5.725GHz	25
5290MHz,#5690MHz Straddle 5.47-5.725GHz	25
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5530MHz,5775MHz	24
#5610MHz,5775MHz	24
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	25
802.11ac VHT80+80-BF_Nss2,(MCS0)_4TX	-
#5530MHz,#5610MHz	21
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	21
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	21
5210MHz,#5690MHz Straddle 5.725-5.85GHz	25
5290MHz,#5690MHz Straddle 5.725-5.85GHz	25
5210MHz,#5775MHz	25
5290MHz,#5775MHz	24
5530MHz,#5775MHz	24
5610MHz,#5775MHz	24
802.11ac VHT80+80-BF_Nss2,(MCS0)_4TX	-
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	25



## For set 6 antenna

## For Harmonic

Mode	Power Setting
802.11ac VHT80+80-BF_Nss1,(MCS0)_4TX	-
#5210MHz,5530MHz	29
#5210MHz,5610MHz	29
#5210MHz,5690MHz	29
#5210MHz,5775MHz	29
#5210MHz,5290MHz	29
#5290MHz,5530MHz	29
#5290MHz,5610MHz	29
#5290MHz,5690MHz	29
#5290MHz,5775MHz	29
5210MHz,#5290MHz	29
5210MHz,#5530MHz	29
5290MHz,#5530MHz	29
5210MHz,#5610MHz	29
5290MHz,#5610MHz	29
5210MHz,#5690MHz Straddle 5.47-5.725GHz	29
5290MHz,#5690MHz Straddle 5.47-5.725GHz	29
#5530MHz,5775MHz	29
#5610MHz,5775MHz	29
#5690MHz,#5775MHz Straddle 5.47-5.725GHz	29
#5530MHz,#5610MHz	29
#5530MHz,#5690MHz Straddle 5.47-5.725GHz	29
#5530MHz,#5690MHz Straddle 5.725-5.85GHz	29
5210MHz,#5690MHz Straddle 5.725-5.85GHz	29
5290MHz,#5690MHz Straddle 5.725-5.85GHz	29
5210MHz,#5775MHz	29
5290MHz,#5775MHz	29
5530MHz,#5775MHz	29
5610MHz,#5775MHz	29
#5690MHz,#5775MHz Straddle 5.725-5.85GHz	29



## 2.2 The Worst Case Measurement Configuration

For Radio 2:

The Worst Case Mode for Following Conformance Tests					
Test Item	Antenna	Test Condition	Mode	Data Rate	TX No.
AC power-line conducted emissions	Set 3	AC power-line conducted measurement for line and neutral	CTX	-	4TX
Emission Bandwidth	Set 2 Set 3 Set 4 Set 5 Set 6	Conducted measurement at transmit chains	<b>Non-Beamforming Mode</b>		
			11a/BPSK	6 Mbps	4TX
			11ac VHT20	MCS0 NSS1	4TX
			11ac VHT40	MCS0 NSS1	4TX
			11ac VHT80	MCS0 NSS1	4TX
			11ac VHT80+80	MCS0 NSS2	4TX
			<b>Beamforming Mode</b>		
			11ac VHT20	MCS0 NSS1	4TX
			11ac VHT40	MCS0 NSS1	4TX
			11ac VHT80	MCS0 NSS1	4TX
Maximum Conducted Output Power	Set 2 Set 3 Set 4 Set 5 Set 6	Conducted measurement at transmit chains	<b>Non-Beamforming Mode</b>		
			11a/BPSK	6 Mbps	4TX
			11ac VHT20	MCS0 NSS1	4TX
			11ac VHT40	MCS0 NSS1	4TX
			11ac VHT80	MCS0 NSS1	4TX
			11ac VHT80+80	MCS0 NSS2	4TX
			<b>Beamforming Mode</b>		
			11ac VHT20	MCS0 NSS1	4TX
			11ac VHT40	MCS0 NSS1	4TX
			11ac VHT80	MCS0 NSS1	4TX
			11ac VHT20	MCS0 NSS2	4TX
			11ac VHT40	MCS0 NSS2	4TX
			11ac VHT80	MCS0 NSS2	4TX
			11ac VHT80+80	MCS0 NSS2	4TX



			<b>Non-Beamforming Mode</b>		
Power Spectral Density	Set 2 Set 3 Set 4 Set 5 Set 6	Conducted measurement at transmit chains	11a/BPSK	6 Mbps	4TX
			11ac VHT20	MCS0 NSS1	4TX
			11ac VHT40	MCS0 NSS1	4TX
			11ac VHT80	MCS0 NSS1	4TX
			11ac VHT80+80	MCS0 NSS2	4TX
			<b>Beamforming Mode</b>		
			11ac VHT20	MCS0 NSS1	4TX
			11ac VHT40	MCS0 NSS1	4TX
			11ac VHT80	MCS0 NSS1	4TX
			11ac VHT20	MCS0 NSS2	4TX
			11ac VHT40	MCS0 NSS2	4TX
			11ac VHT80	MCS0 NSS2	4TX
			11ac VHT80+80	MCS0 NSS2	4TX
Emissions in Restricted < 1GHz	Set 3	Radiated measurement	CTX	-	4TX
Unwanted Emissions > 1GHz (Harmonic) (see the Note)	Set 3 Set 6	Radiated measurement	<b>Non-Beamforming Mode</b>		
			11ac VHT20	MCS0 NSS1	4TX
			11ac VHT40	MCS0 NSS1	4TX
			11ac VHT80	MCS0 NSS1	4TX
			11ac VHT80+80	MCS0 NSS2	4TX
			<b>Beamforming Mode</b>		
			11ac VHT20	MCS0 NSS1	4TX
			11ac VHT40	MCS0 NSS1	4TX
			11ac VHT80	MCS0 NSS1	4TX
			11ac VHT20	MCS0 NSS2	4TX
			11ac VHT40	MCS0 NSS2	4TX
			11ac VHT80	MCS0 NSS2	4TX
			11ac VHT80+80	MCS0 NSS2	4TX



			Non-Beamforming Mode		
Unwanted Emissions > 1GHz (Band Edge Emission)	Set 2 Set 3 Set 4 Set 5 Set 6	Radiated measurement	11ac VHT20	MCS0 NSS1	4TX
			11ac VHT40	MCS0 NSS1	4TX
			11ac VHT80	MCS0 NSS1	4TX
			11ac VHT80+80	MCS0 NSS2	4TX
			Beamforming Mode		
			11ac VHT20	MCS0 NSS1	4TX
			11ac VHT40	MCS0 NSS1	4TX
			11ac VHT80	MCS0 NSS1	4TX
			11ac VHT20	MCS0 NSS2	4TX
			11ac VHT40	MCS0 NSS2	4TX
			11ac VHT80	MCS0 NSS2	4TX
			11ac VHT80+80	MCS0 NSS2	4TX
Frequency Stability	Set 3	Conducted measurement at transmit chains	20MHz	-	4TX
			40MHz	-	4TX
			80MHz	-	4TX
Note: 1.VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40. 2.For emissions in restricted frequency bands>1GHz 11a mode were exempted from testing because they're covered by 11ac VHT20 mode. 3.For Emissions in Restricted Frequency Bands > 1GHz (Harmonic) used higher gain and lowest gain antenna set collocate with maximum power setting to evaluated. 4.There are two modes of EUT, one is beamforming mode, and the other is non-beamforming mode for 802.11n/ac. All test results were recorded in the report.					



## For Radio 3:

The Worst Case Mode for Following Conformance Tests					
Test Item	Antenna	Test Condition	Mode	Data Rate	TX No.
AC power-line conducted emissions	Set 3	AC power-line conducted measurement for line and neutral	CTX	-	1TX
Emission Bandwidth	Set 2 Set 3 Set 4 Set 5 Set 6	Conducted measurement at transmit chains	11a/BPSK	6 Mbps	1TX
			11ac VHT20	MCS0 NSS1	1TX
			11ac VHT40	MCS0 NSS1	1TX
			11ac VHT80	MCS0 NSS1	1TX
			11a/BPSK	6 Mbps	1TX
Maximum Conducted Output Power	Set 2 Set 3 Set 4 Set 5 Set 6	Conducted measurement at transmit chains	11ac VHT20	MCS0 NSS1	1TX
			11ac VHT40	MCS0 NSS1	1TX
			11ac VHT80	MCS0 NSS1	1TX
			11a/BPSK	6 Mbps	1TX
			11ac VHT20	MCS0 NSS1	1TX
Power Spectral Density	Set 2 Set 3 Set 4 Set 5 Set 6	Conducted measurement at transmit chains	11ac VHT40	MCS0 NSS1	1TX
			11ac VHT80	MCS0 NSS1	1TX
Emissions in Restricted < 1GHz	Set 3	Radiated measurement	CTX	-	1TX
Unwanted Emissions > 1GHz (Harmonic) (see the Note)	Set 3 Set 6	Radiated measurement	11ac VHT20	MCS0 NSS1	1TX
			11ac VHT40	MCS0 NSS1	1TX
			11ac VHT80	MCS0 NSS1	1TX
Unwanted Emissions > 1GHz (Band Edge Emission)	Set 2 Set 3 Set 4 Set 5 Set 6	Radiated measurement	11ac VHT20	MCS0 NSS1	1TX
			11ac VHT40	MCS0 NSS1	1TX
			11ac VHT80	MCS0 NSS1	1TX
			20MHz	-	1TX
			40MHz	-	1TX
Frequency Stability	Set 3	Conducted measurement at transmit chains	80MHz	-	1TX

Note: 1. VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.  
 2. For emissions in restricted frequency bands > 1GHz 11a mode were exempted from testing because they're covered by 11ac VHT20 mode.  
 3. For Emissions in Restricted Frequency Bands > 1GHz (Harmonic) used higher gain and lowest gain antenna set collocate with maximum power setting to evaluated.



The following test modes were performed all tests:

**For Conducted Emission test:**

Mode 1. CTX-Radio 1 (2.4G) + Adapter + set 3

Mode 2. CTX-Radio 2 (5G) + Adapter + set 3

Mode 3. CTX-Radio 3 (2.4G) + Adapter + set 3

Mode 4. CTX-Radio 3 (5G) + Adapter + set 3

Mode 5. CTX-Radio 4 (BT) + Adapter + set 3

Mode 4 is the worst case, so it was selected to record in this test report.

**For Radiated Emission test below 1GHz:**

The EUT was performed at X axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found for Radio 1 / Radio 2 / Radio 3 (5GHz) / Radio 4 at X axis and for Radio 3 (2.4GHz) at Z axis. So the measurement will follow this same test configuration.

Mode 1. CTX- EUT in X axis Radio 1 (2.4G) + Adapter + set 3

Mode 2. CTX- EUT in X axis Radio 2 (5G) + Adapter + set 3

Mode 3. CTX- EUT in Z axis Radio 3 (2.4G) + Adapter + set 3

Mode 4. CTX- EUT in X axis Radio 3 (5G) + Adapter + set 3

Mode 5. CTX- EUT in X axis Radio 4 (BT) + Adapter + set 3

Mode 2 is the worst case, so it was selected to record in this test report.

**For Radiated Emission test above 1GHz:**

The EUT was performed at X axis and Z axis position for Radiated emission test, and the worst case was found for Radio 2 / Radio 3 (5GHz) at X axis. So the measurement will follow this same test configuration.

Mode 1. EUT in X axis (Radio 2, 4TX) + (Radio 3, 1TX) with Dipole antenna (Set 1)

Mode 2. EUT in X axis (Radio 2, 4TX) + (Radio 3, 1TX) with Patch antenna (Set 3)

Mode 3. EUT in X axis (Radio 2, 4TX) + (Radio 3, 1TX) with Patch antenna (Set 4)

Mode 4. EUT in X axis (Radio 2, 4TX) + (Radio 3, 1TX) with Omni antenna (Set 5)

Mode 5. EUT in X axis (Radio 2, 4TX) + (Radio 3, 1TX) with Omni antenna (Set 6)

**For Radiated Emission Co-location Test:**

The EUT was performed at X axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found for Radio 1 / Radio 2 at X axis.

So the measurement will follow this same test configuration.

Mode 1. EUT in X axis (Radio 1, 4TX) + EUT in X axis (Radio 2, 4TX) with Patch antenna (Set 3)

**For Co-location MPE test mode**

Mode 1. Radio 1 (2.4G) + Radio 2 (5G) + Radio 3 (2.4G)+ Radio 4 (BT) + Adapter

Mode 2. Radio 1 (2.4G) + Radio 2 (5G) + Radio 3 (5G)+ Radio 4 (BT) + Adapter

The Co-location Maximum Permissible Exposure result, please refer to FA760624



Note: The Adapter and PoE are for measurement only, would not be marketed.

Adapter and PoE information as below:

Power	Brand	Model
Adapter	CISCO	KSAS0361200250HU
PoE	CISCO	MA-INJ4
PoE	CISCO	MA-INJ5

## 2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

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

The program was executed as follows:

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

## 2.4 Accessories

Wall-mounted rack\*1



## 2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E6430	DoC
2	Adapter	CISCO	KSAS0361200250HU	DoC

For Test Site No: 03CH01-CB (below 1GHz)

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Adapter	CISCO	KSAS0361200250HU	DoC

For Test Site No: 03CH01-CB (above 1GHz)

For non-beamforming mode

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Adapter	CISCO	KSAS0361200250HU	DoC

For beamforming mode

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*2	DELL	E4300	DoC
2	RX Device	CISCO	MR53E-HW	UDX-60064010
3	Adapter	CISCO	KSAS0361200250HU	DoC

For Test Site No: TH01-CB

For non-beamforming mode

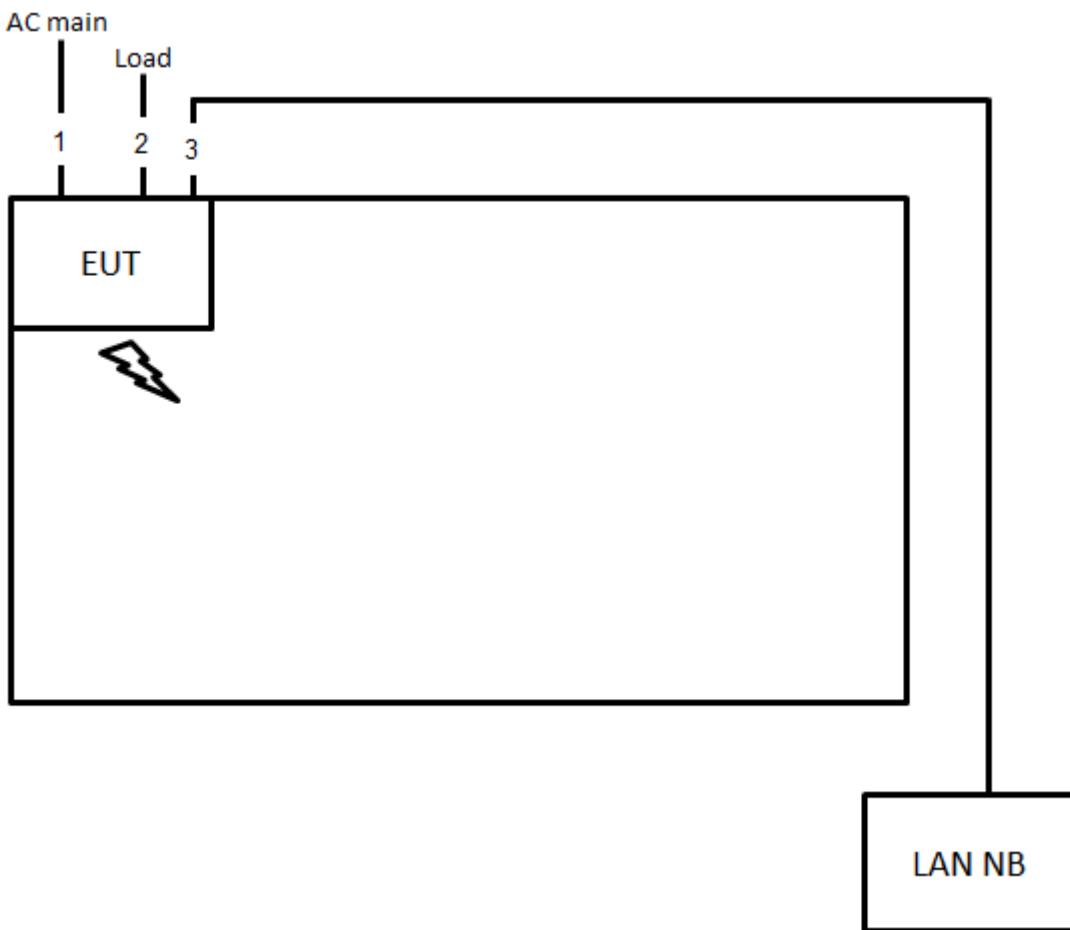
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
3	Adapter	CISCO	KSAS0361200250HU	DoC

For beamforming mode

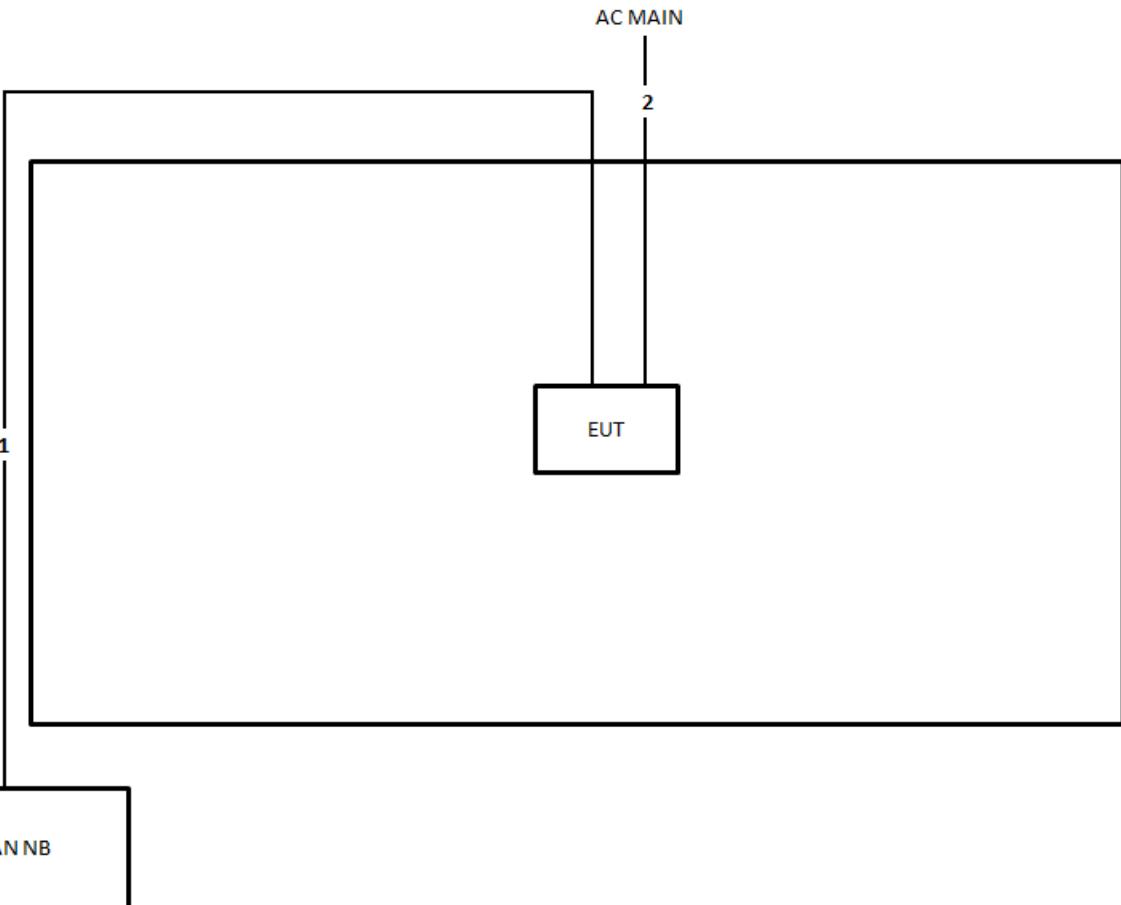
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*2	DELL	E4300	DoC
2	RX Device	CISCO	MR53E-HW	UDX-60064010
3	Adapter	CISCO	KSAS0361200250HU	DoC

## 2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test

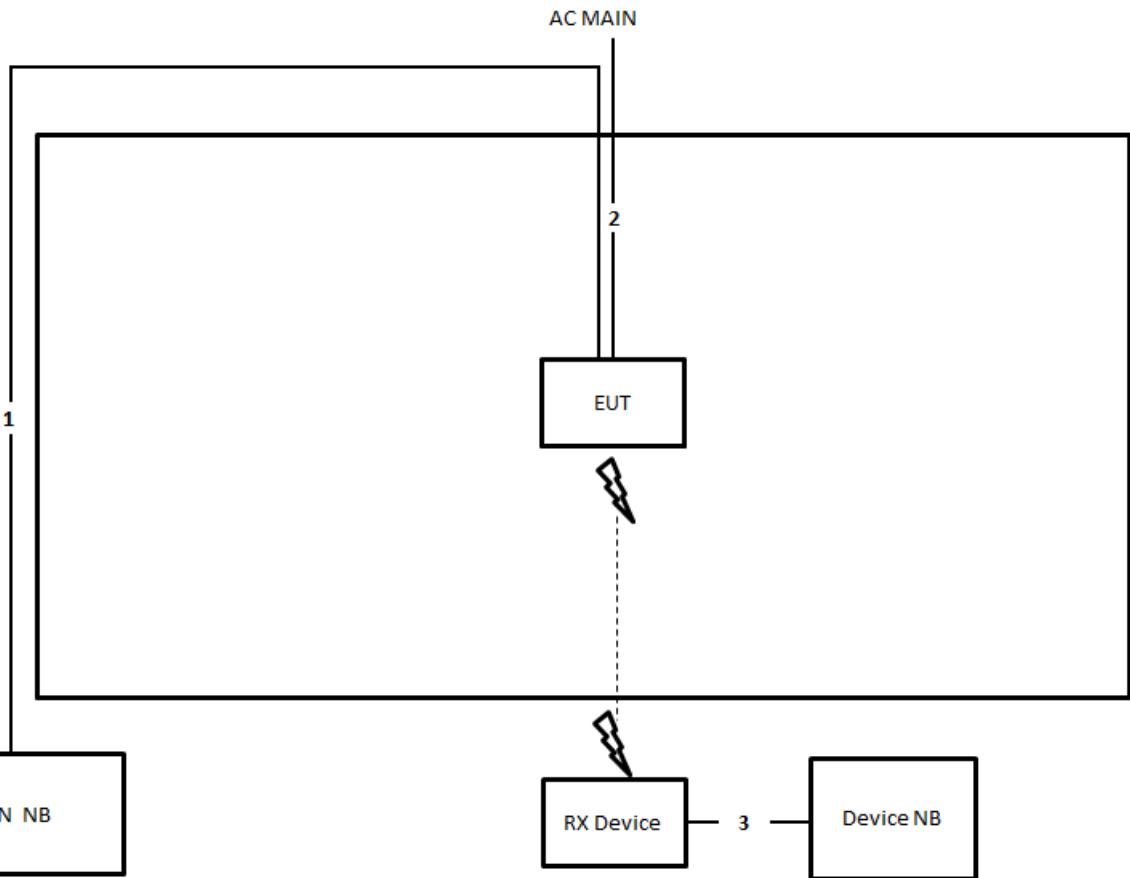


Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m

**Test Setup Diagram - Radiated Test < 1GHz and Radiated Test > 1GHz / For non-beamforming mode**

Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.5m

## Test Setup Diagram - Radiated Test &gt; 1GHz / For beamforming mode



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.5m
3	RJ-45 cable	No	1.5m

### 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.

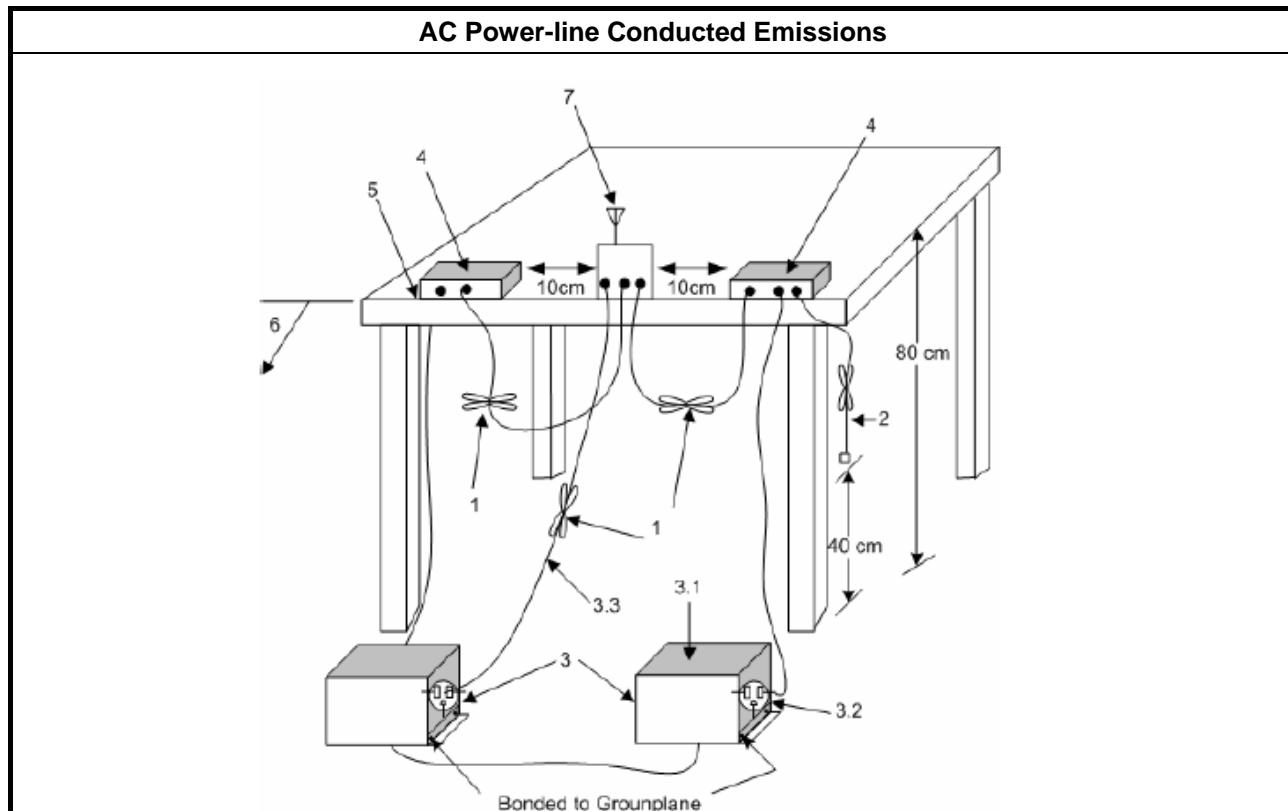
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

##### 3.1.4 Test Setup





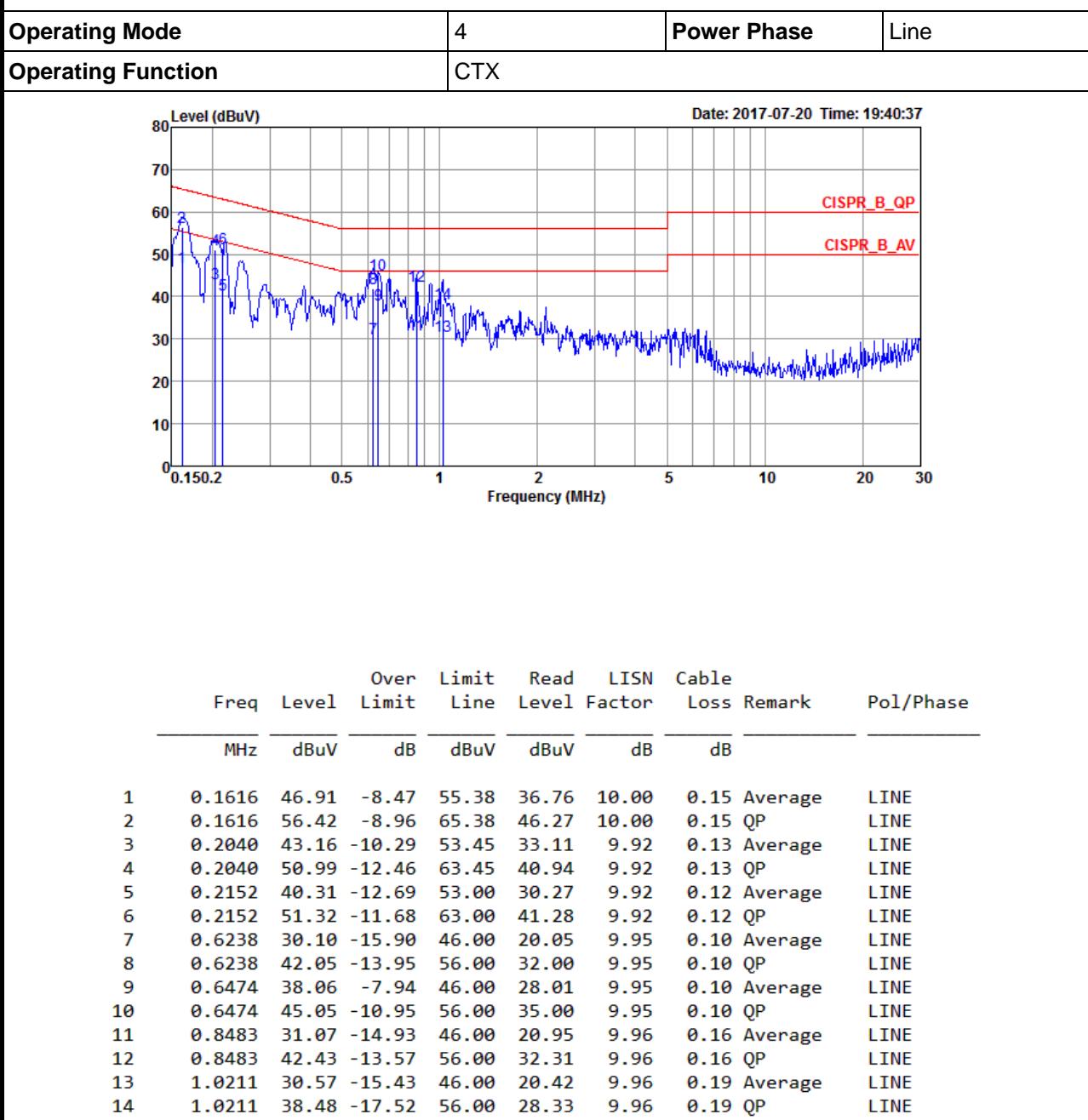
## 3.1.5 Test Result of AC Power-line Conducted Emissions

AC Power-line Conducted Emissions Result											
Operating Mode		4	Power Phase		Neutral						
Operating Function		CTX									
Date: 2017-07-20 Time: 19:43:12											
Level (dBuV)		CISPR_B_QP									
80		CISPR_B_AV									
70											
60											
50											
40											
30											
20											
10											
0											
0.150.2											
0.5											
1											
2											
5											
10											
20											
30											
Freq Level Over Limit Line Read LISN Cable Pol/Phase											
Freq		Level	Over Limit	Line	Read	LISN	Cable	Remark			
MHz		dBuV	dB	dBuV	dBuV	dB	dB				
1	0.1749	42.30	-12.42	54.72	32.15	10.01	0.14	Average	NEUTRAL		
2	0.1749	55.69	-9.03	64.72	45.54	10.01	0.14	QP	NEUTRAL		
3	0.2139	40.60	-12.45	53.05	30.43	10.05	0.12	Average	NEUTRAL		
4	0.2139	51.71	-11.34	63.05	41.54	10.05	0.12	QP	NEUTRAL		
5	0.2256	32.77	-19.84	52.61	22.61	10.05	0.11	Average	NEUTRAL		
6	0.2256	44.11	-18.50	62.61	33.95	10.05	0.11	QP	NEUTRAL		
7	0.6205	30.54	-15.46	46.00	20.25	10.19	0.10	Average	NEUTRAL		
8	0.6205	41.70	-14.30	56.00	31.41	10.19	0.10	QP	NEUTRAL		
9	0.6440	39.88	-6.12	46.00	29.60	10.18	0.10	Average	NEUTRAL		
10	0.6440	46.08	-9.92	56.00	35.80	10.18	0.10	QP	NEUTRAL		
11	0.8483	31.48	-14.52	46.00	21.22	10.10	0.16	Average	NEUTRAL		
12	0.8483	42.95	-13.05	56.00	32.69	10.10	0.16	QP	NEUTRAL		

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.  
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)



## AC Power-line Conducted Emissions Result



Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)



## 3.2 Emission Bandwidth

### 3.2.1 Emission Bandwidth Limit

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

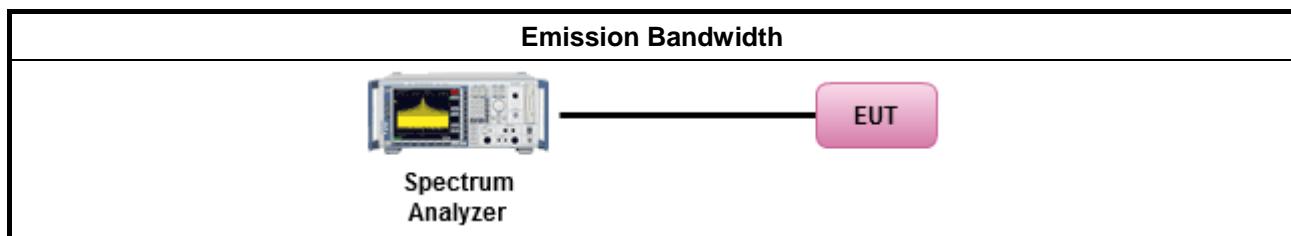
### 3.2.2 Measuring Instruments

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:
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input checked="" type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

### 3.2.4 Test Setup





### 3.2.5 Test Result of Emission Bandwidth

**For Radio 2**

**For set 2 antenna / 4T1S**

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-
5.15-5.25GHz	19.85M	16.442M	16M4D1D	19.175M	16.392M
5.25-5.35GHz	19.85M	16.442M	16M4D1D	19.275M	16.392M
5.47-5.725GHz	19.8M	16.442M	16M4D1D	14.655M	13.178M
5.725-5.85GHz	16.325M	16.917M	16M9D1D	3.12M	3.438M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	20.625M	17.641M	17M6D1D	19.975M	17.591M
5.25-5.35GHz	20.675M	17.666M	17M7D1D	20.325M	17.591M
5.47-5.725GHz	20.65M	17.641M	17M6D1D	15.015M	13.793M
5.725-5.85GHz	17.575M	18.791M	18M8D1D	3.74M	3.918M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	39.95M	35.932M	35M9D1D	39.1M	35.832M
5.25-5.35GHz	40.05M	36.032M	36M0D1D	39.1M	35.832M
5.47-5.725GHz	40M	36.082M	36M1D1D	34.545M	32.779M
5.725-5.85GHz	36.35M	36.382M	36M4D1D	3.12M	3.438M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	85.7M	75.762M	75M8D1D	84.8M	75.562M
5.25-5.35GHz	85.7M	75.962M	76M0D1D	84.5M	75.762M
5.47-5.725GHz	86M	75.962M	76M0D1D	77.325M	72.414M
5.725-5.85GHz	75.2M	75.862M	75M9D1D	3.14M	5.417M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	21.725M	17.691M	17M7D1D	21.25M	17.616M
5.25-5.35GHz	21.675M	17.691M	17M7D1D	20.925M	17.641M
5.47-5.725GHz	21.85M	17.716M	17M7D1D	15.63M	13.838M
5.725-5.85GHz	17.65M	17.716M	17M7D1D	3.78M	4.138M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	40.7M	36.032M	36M0D1D	39.75M	35.882M
5.25-5.35GHz	40.4M	36.032M	36M0D1D	39.8M	35.882M
5.47-5.725GHz	40.6M	36.132M	36M1D1D	34.685M	32.709M
5.725-5.85GHz	36.1M	36.032M	36M0D1D	3.04M	3.498M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	87M	75.962M	76M0D1D	86.5M	75.862M
5.25-5.35GHz	87.2M	76.062M	76M1D1D	86M	75.762M
5.47-5.725GHz	87.2M	76.062M	76M1D1D	75.525M	72.339M
5.725-5.85GHz	75.8M	75.662M	75M7D1D	3.1M	6.117M

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

**Max-OBW** = Maximum 99% occupied bandwidth;

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

**Min-OBW** = Minimum 99% occupied bandwidth;



## Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW dB (Hz)	Port 2-N dB (Hz)	Port 2-OBW dB (Hz)	Port 3-N dB (Hz)	Port 3-OBW dB (Hz)	Port 4-N dB (Hz)	Port 4-OBW dB (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.75M	16.392M	19.575M	16.417M	19.4M	16.392M	19.85M	16.417M
5200MHz	Pass	Inf	19.65M	16.442M	19.6M	16.417M	19.525M	16.417M	19.225M	16.442M
5240MHz	Pass	Inf	19.6M	16.392M	19.625M	16.417M	19.425M	16.417M	19.175M	16.417M
5260MHz	Pass	Inf	19.6M	16.442M	19.725M	16.417M	19.275M	16.417M	19.85M	16.442M
5300MHz	Pass	Inf	19.625M	16.417M	19.825M	16.442M	19.525M	16.417M	19.8M	16.392M
5320MHz	Pass	Inf	19.675M	16.442M	19.6M	16.417M	19.575M	16.417M	19.4M	16.392M
5500MHz	Pass	Inf	19.675M	16.392M	19.25M	16.417M	19.225M	16.417M	19.8M	16.367M
5580MHz	Pass	Inf	19.65M	16.417M	19.05M	16.367M	19.375M	16.417M	19.75M	16.392M
5700MHz	Pass	Inf	19.65M	16.442M	19.2M	16.417M	19.425M	16.417M	19.8M	16.417M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.045M	13.193M	14.655M	13.178M	14.85M	13.208M	14.955M	13.193M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.458M	3.12M	3.478M	3.14M	3.438M	3.16M	3.458M
5745MHz	Pass	500k	16.275M	16.592M	16.3M	16.467M	16.275M	16.592M	16.325M	16.542M
5785MHz	Pass	500k	16.3M	16.817M	16.275M	16.542M	16.275M	16.742M	16.325M	16.617M
5825MHz	Pass	500k	16.3M	16.917M	16.3M	16.617M	16.275M	16.717M	16.325M	16.717M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.975M	17.591M	20.4M	17.641M	20.625M	17.591M	20.375M	17.616M
5200MHz	Pass	Inf	20.525M	17.591M	20.525M	17.641M	20.6M	17.616M	20.425M	17.591M
5240MHz	Pass	Inf	20.425M	17.591M	20.425M	17.641M	20.475M	17.616M	20.325M	17.591M
5260MHz	Pass	Inf	20.625M	17.616M	20.625M	17.666M	20.525M	17.591M	20.325M	17.616M
5300MHz	Pass	Inf	20.45M	17.616M	20.675M	17.616M	20.55M	17.591M	20.425M	17.616M
5320MHz	Pass	Inf	20.575M	17.616M	20.675M	17.641M	20.65M	17.616M	20.675M	17.591M
5500MHz	Pass	Inf	20.475M	17.641M	20.3M	17.591M	20.425M	17.616M	20.125M	17.591M
5580MHz	Pass	Inf	20.6M	17.616M	20.35M	17.566M	20.65M	17.616M	20.325M	17.616M
5700MHz	Pass	Inf	20.45M	17.616M	20.3M	17.591M	20.575M	17.616M	20.6M	17.616M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.015M	13.808M	15.135M	13.793M	15.18M	13.808M	15.15M	13.808M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	3.918M	3.84M	3.938M	3.8M	3.978M	3.74M	3.918M
5745MHz	Pass	500k	17.525M	17.866M	17.575M	17.741M	16.925M	17.891M	17.55M	17.891M
5785MHz	Pass	500k	17.55M	18.791M	17.15M	17.766M	17.575M	18.241M	17.55M	17.966M
5825MHz	Pass	500k	17.5M	18.691M	17.5M	17.841M	17.525M	18.091M	17.575M	18.216M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.95M	35.932M	39.8M	35.882M	39.55M	35.932M	39.1M	35.832M
5230MHz	Pass	Inf	39.75M	35.932M	39.7M	35.832M	39.55M	35.882M	39.25M	35.882M
5270MHz	Pass	Inf	40.05M	35.982M	39.9M	35.832M	39.7M	35.932M	39.2M	35.932M
5310MHz	Pass	Inf	39.75M	35.932M	39.65M	35.932M	39.65M	35.982M	39.1M	36.032M
5510MHz	Pass	Inf	39.95M	35.882M	39.85M	35.882M	39.75M	35.932M	39.4M	35.982M
5550MHz	Pass	Inf	39.95M	36.082M	40M	36.032M	39.45M	35.932M	39.25M	35.982M
5670MHz	Pass	Inf	39.75M	35.982M	40M	36.032M	39.45M	35.932M	39.25M	35.982M


**FCC Test Report**
**Report No. : FR760624AB**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.895M	32.779M	34.895M	32.849M	34.755M	32.884M	34.545M	32.849M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	3.458M	3.12M	3.458M	3.22M	3.458M	3.14M	3.438M
5755MHz	Pass	500k	32.85M	35.982M	31.25M	35.982M	35.65M	36.032M	35.9M	36.032M
5795MHz	Pass	500k	30.8M	36.382M	36.35M	36.082M	35.05M	36.382M	32.4M	36.182M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	84.8M	75.762M	85M	75.562M	85M	75.762M	85.7M	75.562M
5290MHz	Pass	Inf	84.5M	75.762M	84.7M	75.762M	85.1M	75.962M	85.7M	75.762M
5530MHz	Pass	Inf	84.6M	75.762M	84.8M	75.862M	85.7M	75.862M	85.5M	75.962M
5610MHz	Pass	Inf	84.7M	75.862M	84.8M	75.962M	85.6M	75.862M	86M	75.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.325M	72.414M	77.475M	72.639M	77.7M	72.639M	77.7M	72.489M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	5.617M	3.14M	5.417M	3.14M	5.517M	3.14M	5.497M
5775MHz	Pass	500k	68.8M	75.862M	75.2M	75.762M	75.1M	75.662M	74.9M	75.762M
802.11ac VHT20-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.475M	17.641M	21.3M	17.666M	21.25M	17.641M	21.35M	17.641M
5200MHz	Pass	Inf	21.325M	17.641M	21.25M	17.666M	21.275M	17.666M	21.55M	17.616M
5240MHz	Pass	Inf	21.475M	17.666M	21.25M	17.691M	21.45M	17.691M	21.725M	17.666M
5260MHz	Pass	Inf	21.375M	17.641M	21.35M	17.666M	21.375M	17.666M	21.65M	17.641M
5300MHz	Pass	Inf	21.2M	17.666M	21.575M	17.666M	21.525M	17.641M	21.675M	17.641M
5320MHz	Pass	Inf	20.925M	17.641M	21.6M	17.691M	21.425M	17.666M	21.3M	17.641M
5500MHz	Pass	Inf	21.325M	17.641M	21.35M	17.666M	21.725M	17.616M	21.3M	17.641M
5580MHz	Pass	Inf	21.075M	17.666M	21.25M	17.666M	21.3M	17.616M	20.875M	17.641M
5700MHz	Pass	Inf	21.55M	17.716M	21.225M	17.691M	21.525M	17.666M	21.85M	17.691M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.63M	13.853M	15.705M	13.853M	15.78M	13.838M	15.66M	13.853M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	4.138M	3.82M	4.198M	3.78M	4.278M	3.82M	4.218M
5745MHz	Pass	500k	17.625M	17.666M	17.55M	17.666M	17.575M	17.666M	17.575M	17.666M
5785MHz	Pass	500k	17.575M	17.666M	17.65M	17.666M	17.575M	17.691M	17.6M	17.691M
5825MHz	Pass	500k	17.6M	17.666M	17.6M	17.666M	17.6M	17.666M	17.6M	17.716M
802.11ac VHT40-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.7M	36.032M	40.55M	36.032M	40.25M	35.932M	40.3M	35.932M
5230MHz	Pass	Inf	40.1M	35.982M	40M	35.882M	40.35M	36.032M	39.75M	35.882M
5270MHz	Pass	Inf	40.3M	35.982M	39.8M	35.882M	40.35M	35.882M	40.25M	36.032M
5310MHz	Pass	Inf	40.25M	36.032M	39.9M	35.982M	40.3M	36.032M	40.4M	35.982M
5510MHz	Pass	Inf	40.4M	36.032M	39.55M	36.032M	40.55M	35.932M	40.15M	36.082M
5550MHz	Pass	Inf	40.35M	36.132M	40.25M	36.032M	40.6M	35.982M	40.5M	35.982M
5670MHz	Pass	Inf	39.9M	36.082M	40.05M	35.982M	39.9M	35.932M	40.4M	35.982M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.685M	32.709M	34.755M	32.849M	35.105M	32.814M	34.72M	32.884M

**FCC Test Report****Report No. : FR760624AB**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.04M	3.558M	3.14M	3.498M	3.24M	3.998M	3.14M	3.998M
5755MHz	Pass	500k	35.25M	35.982M	34.7M	36.032M	36.05M	35.932M	33.55M	35.882M
5795MHz	Pass	500k	36.1M	35.932M	35.25M	35.882M	35.3M	36.032M	35.35M	35.882M
802.11ac VHT80-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	86.5M	75.862M	86.7M	75.962M	86.5M	75.962M	87M	75.862M
5290MHz	Pass	Inf	87M	75.962M	87.2M	76.062M	86M	75.762M	86.7M	75.762M
5530MHz	Pass	Inf	85.9M	75.962M	86.6M	76.062M	87.2M	75.862M	86.3M	76.062M
5610MHz	Pass	Inf	84.6M	75.662M	85.4M	75.962M	84.1M	75.862M	85.4M	75.862M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.425M	72.414M	77.475M	72.639M	76.35M	72.414M	75.525M	72.339M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	6.117M	3.14M	6.177M	3.1M	6.217M	3.16M	6.237M
5775MHz	Pass	500k	74.4M	75.662M	73.7M	75.562M	75.8M	75.662M	74.4M	75.662M

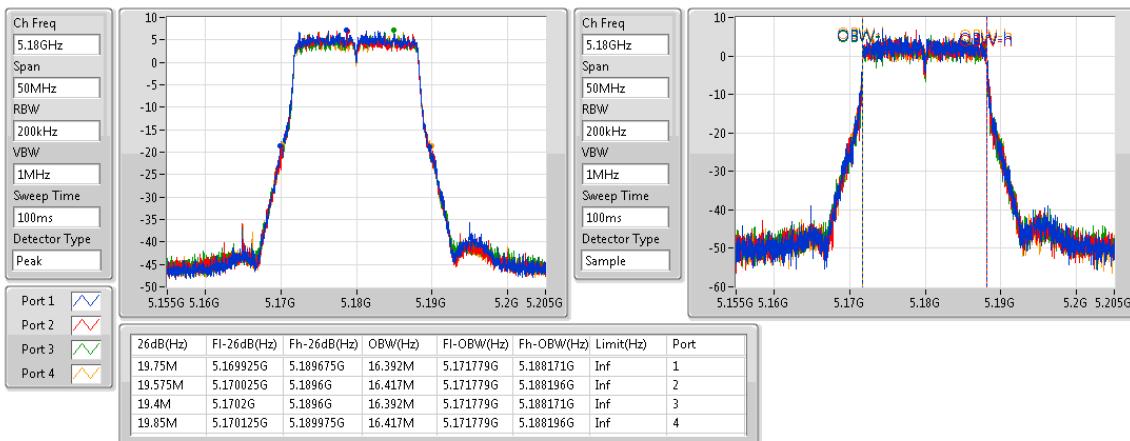
**Port X-N dB** = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band**Port X-OBW** = Port X 99% occupied bandwidth;



## 802.11a\_(6Mbps)\_4TX

EBW

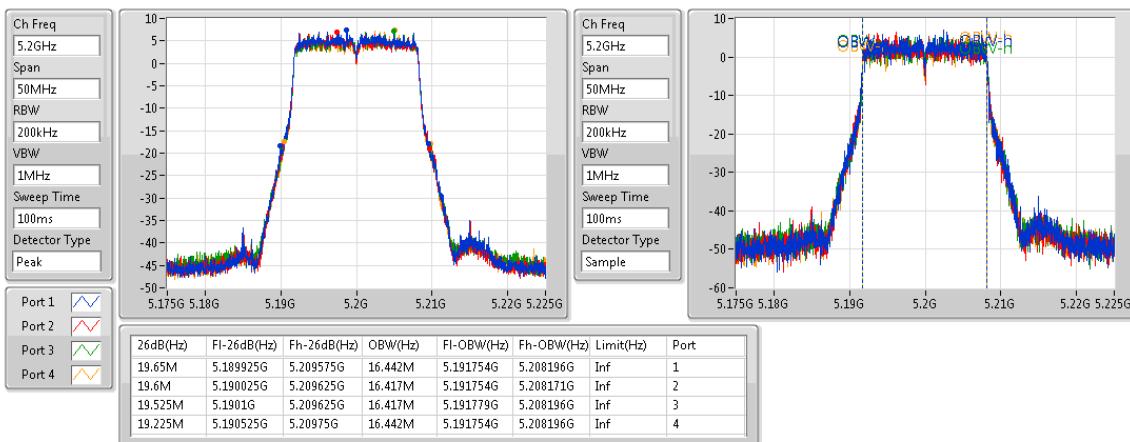
## 5180MHz



## 802.11a\_(6Mbps)\_4TX

EBW

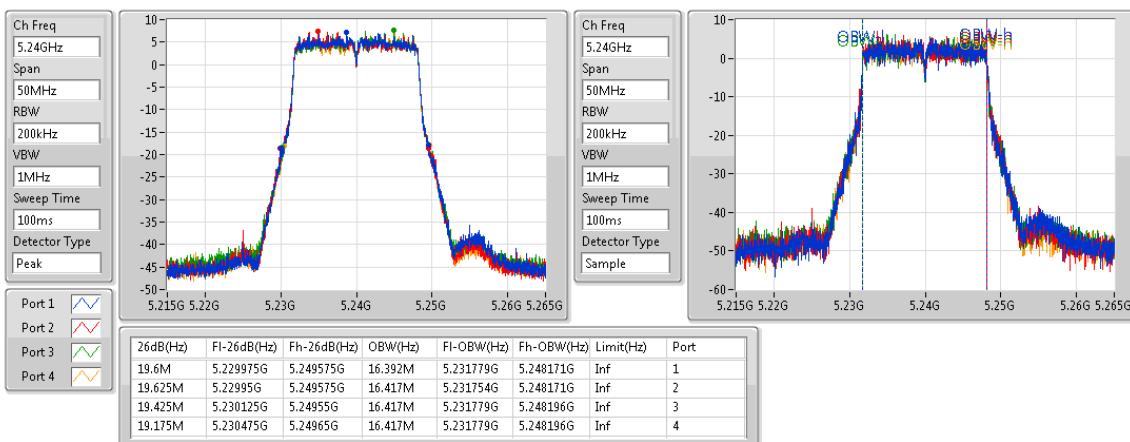
## 5200MHz

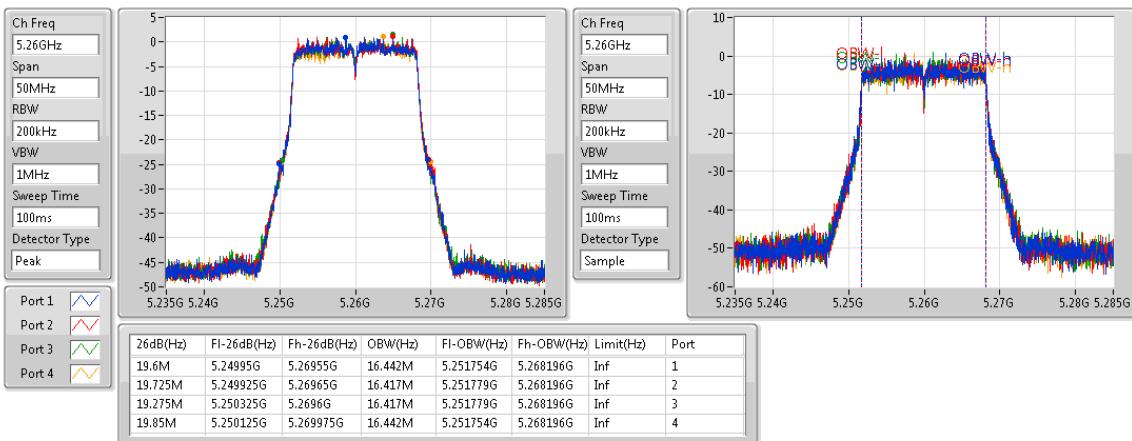
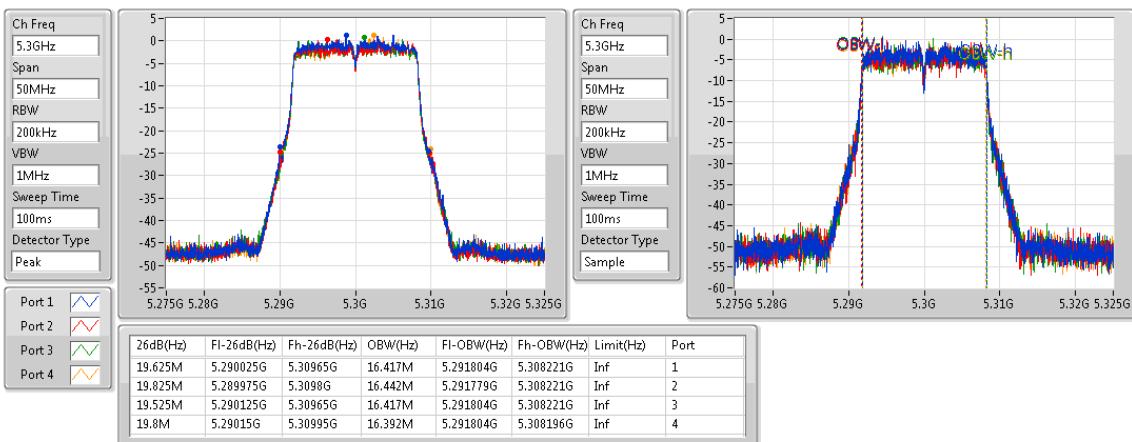
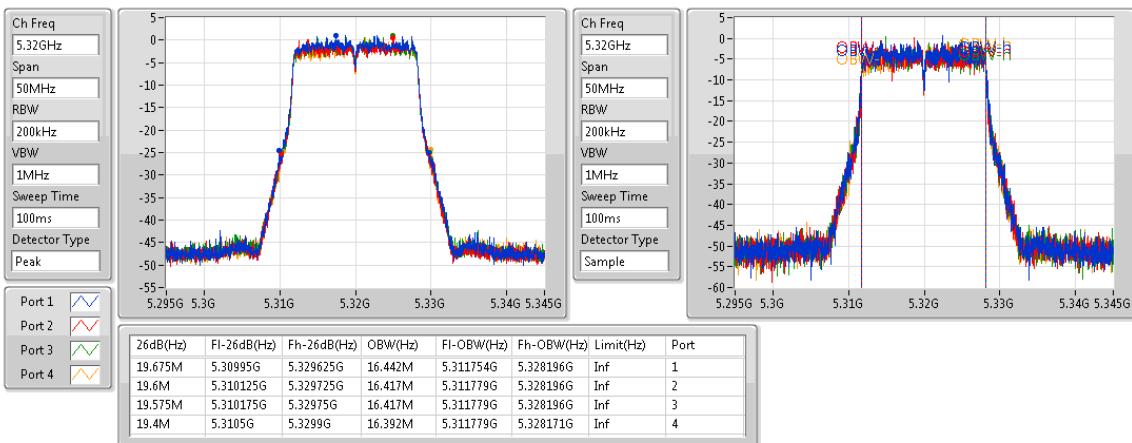


## 802.11a\_(6Mbps)\_4TX

EBW

## 5240MHz



**802.11a\_(6Mbps)\_4TX****EBW****5260MHz****802.11a\_(6Mbps)\_4TX****EBW****5300MHz****802.11a\_(6Mbps)\_4TX****EBW****5320MHz**

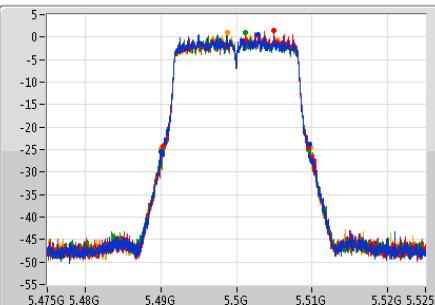


## 802.11a\_(6Mbps)\_4TX

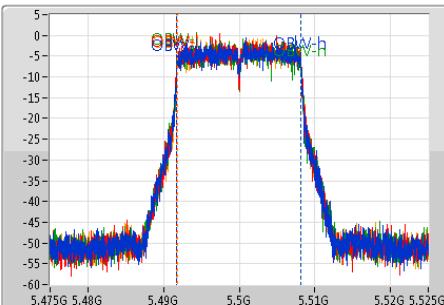
EBW

5500MHz

Ch Freq	5.5GHz
Span	50MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak



Ch Freq	5.5GHz
Span	50MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Sample



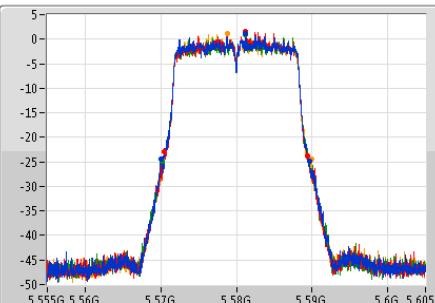
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.675M	5.489975G	5.50965G	16.392M	5.491779G	5.508171G	Inf	1
19.25M	5.4903G	5.50955G	16.417M	5.491779G	5.508196G	Inf	2
19.225M	5.49035G	5.509575G	16.417M	5.491779G	5.508196G	Inf	3
19.8M	5.490075G	5.509875G	16.367M	5.491804G	5.508171G	Inf	4

## 802.11a\_(6Mbps)\_4TX

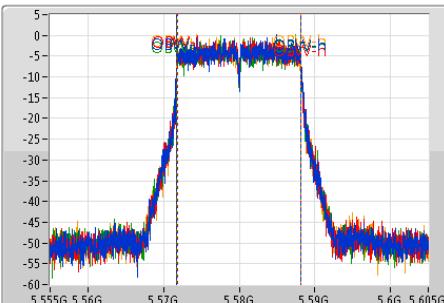
EBW

5580MHz

Ch Freq	5.58GHz
Span	50MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak



Ch Freq	5.58GHz
Span	50MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Sample



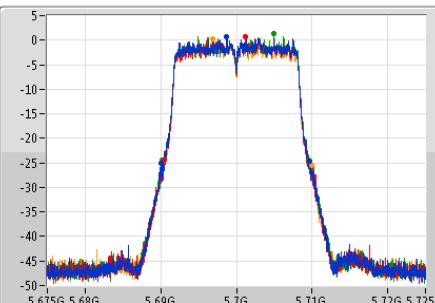
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.65M	5.57G	5.58965G	16.417M	5.571779G	5.588196G	Inf	1
19.05M	5.5704G	5.58945G	16.367M	5.571804G	5.588171G	Inf	2
19.375M	5.57025G	5.589625G	16.417M	5.571779G	5.588196G	Inf	3
19.75M	5.57015G	5.5899G	16.392M	5.571779G	5.588171G	Inf	4

## 802.11a\_(6Mbps)\_4TX

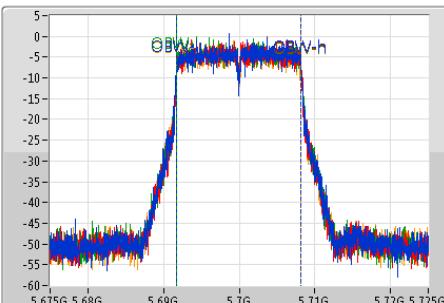
EBW

5700MHz

Ch Freq	5.7GHz
Span	50MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak



Ch Freq	5.7GHz
Span	50MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Sample



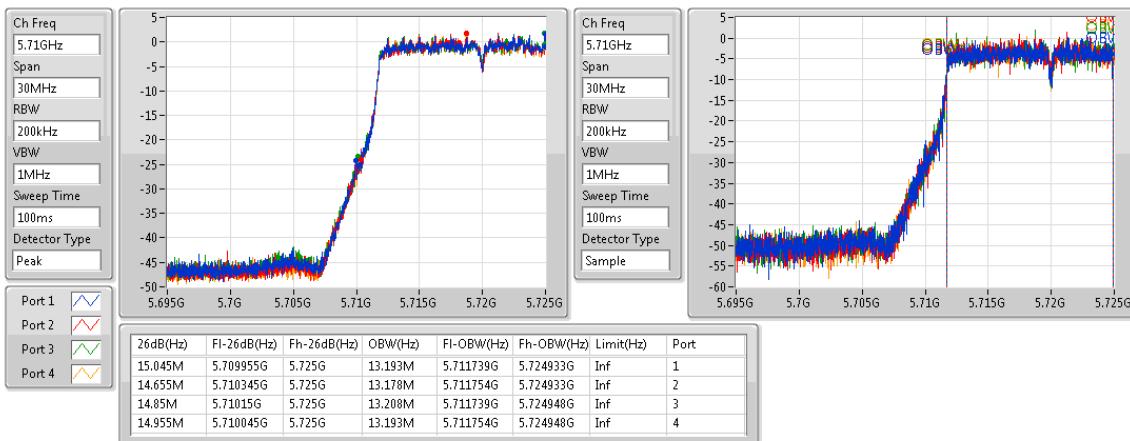
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.65M	5.69G	5.70965G	16.442M	5.691754G	5.708196G	Inf	1
19.2M	5.6904G	5.7096G	16.417M	5.691779G	5.708196G	Inf	2
19.425M	5.690175G	5.7096G	16.417M	5.691779G	5.708196G	Inf	3
19.8M	5.690125G	5.709925G	16.417M	5.691754G	5.708171G	Inf	4



## 802.11a\_(6Mbps)\_4TX

EBW

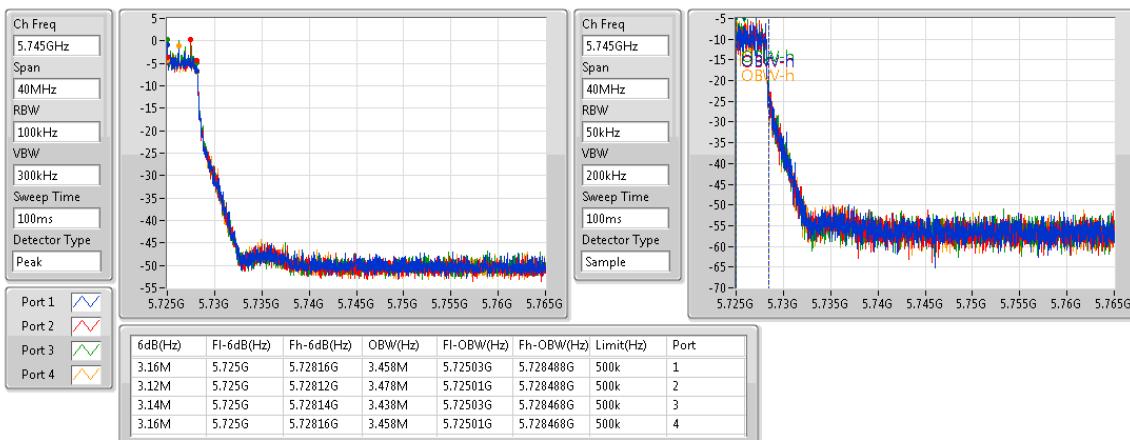
## 5720MHz Straddle 5.47-5.725GHz



## 802.11a\_(6Mbps)\_4TX

EBW

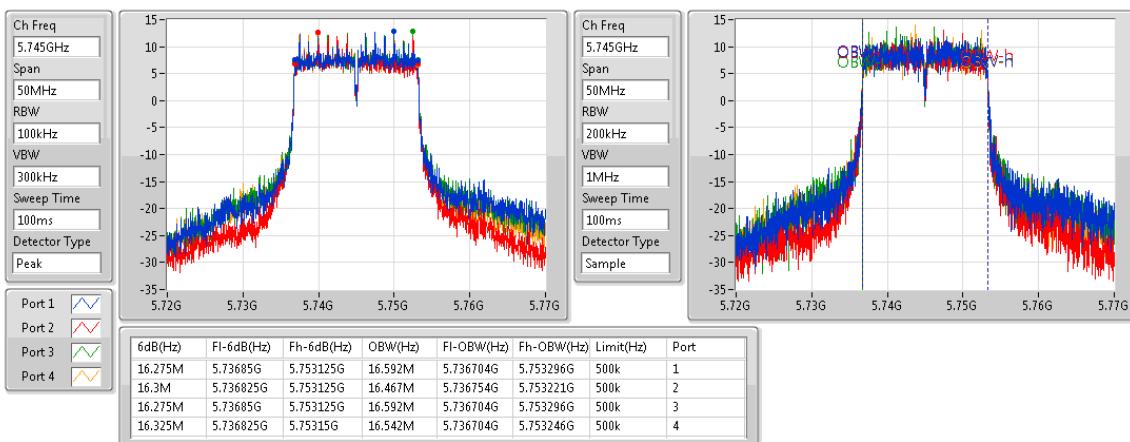
## 5720MHz Straddle 5.725-5.85GHz



## 802.11a\_(6Mbps)\_4TX

EBW

## 5745MHz





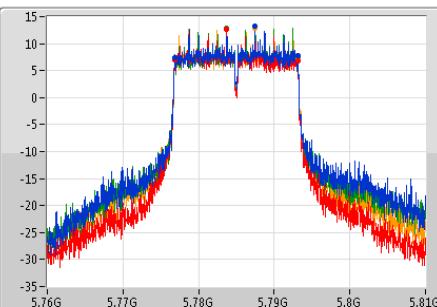
## 802.11a\_(6Mbps)\_4TX

EBW

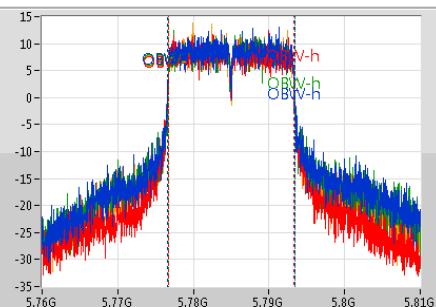
## 5785MHz

Ch Freq  
5.785GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak

Port 1  Port 2  Port 3  Port 4



Ch Freq  
5.785GHz  
Span  
50MHz  
RBW  
200kHz  
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
16.3M	5.776825G	5.793125G	16.817M	5.776629G	5.793446G	500k	1
16.275M	5.776825G	5.7931G	16.542M	5.776679G	5.793221G	500k	2
16.275M	5.77685G	5.793125G	16.742M	5.776654G	5.793396G	500k	3
16.325M	5.776825G	5.7931G	16.617M	5.776654G	5.793271G	500k	4

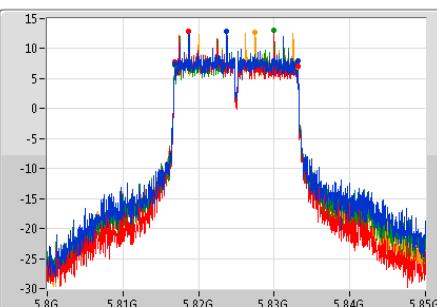
## 802.11a\_(6Mbps)\_4TX

EBW

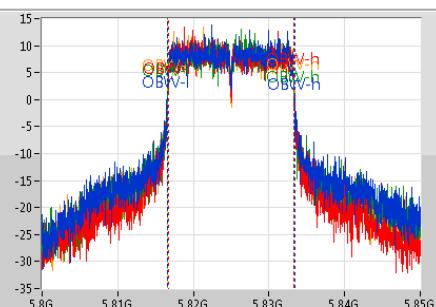
## 5825MHz

Ch Freq  
5.825GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak

Port 1  Port 2  Port 3  Port 4



Ch Freq  
5.825GHz  
Span  
50MHz  
RBW  
200kHz  
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
16.3M	5.816825G	5.833125G	16.917M	5.816554G	5.833471G	500k	1
16.3M	5.816825G	5.833125G	16.617M	5.816654G	5.833271G	500k	2
16.275M	5.81685G	5.833125G	16.717M	5.816629G	5.833346G	500k	3
16.325M	5.816825G	5.8331G	16.717M	5.816629G	5.833346G	500k	4

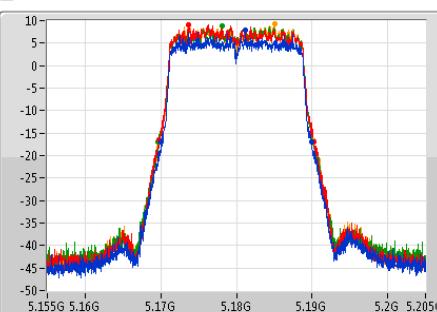
## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

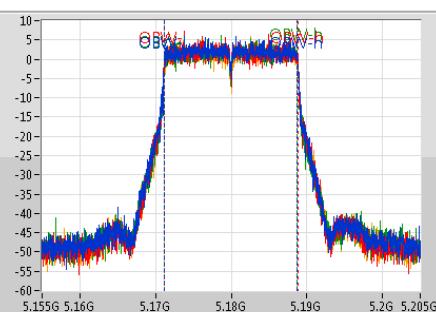
## 5180MHz

Ch Freq  
5.18GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak

Port 1  Port 2  Port 3  Port 4



Ch Freq  
5.18GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



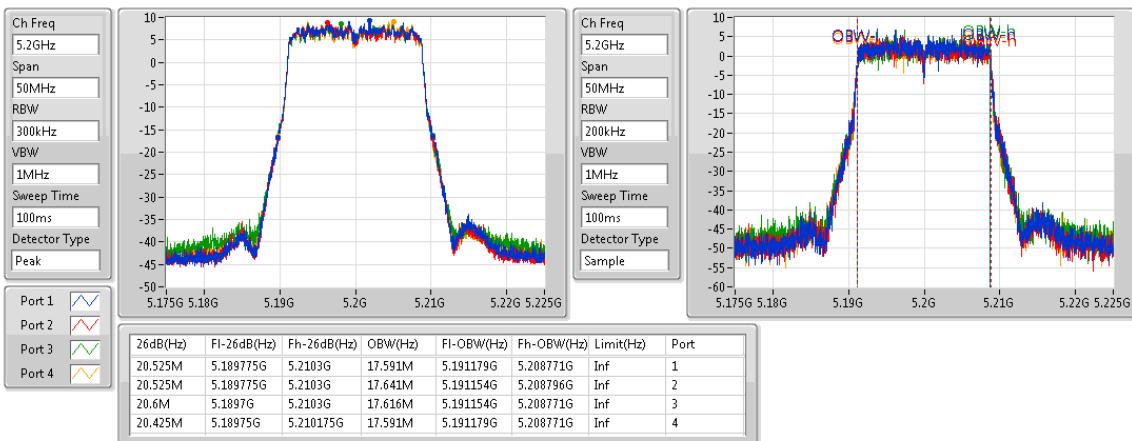
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.975M	5.170025G	5.19G	17.591M	5.171179G	5.188771G	Inf	1
20.4M	5.169825G	5.190225G	17.641M	5.171154G	5.188796G	Inf	2
20.625M	5.169625G	5.19025G	17.591M	5.171179G	5.188771G	Inf	3
20.375M	5.1698G	5.190175G	17.616M	5.171154G	5.188771G	Inf	4



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

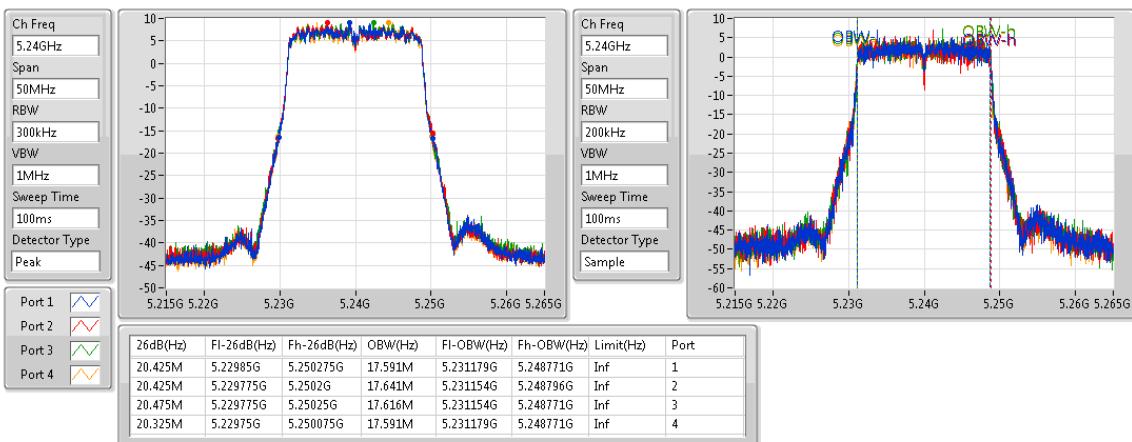
## 5200MHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

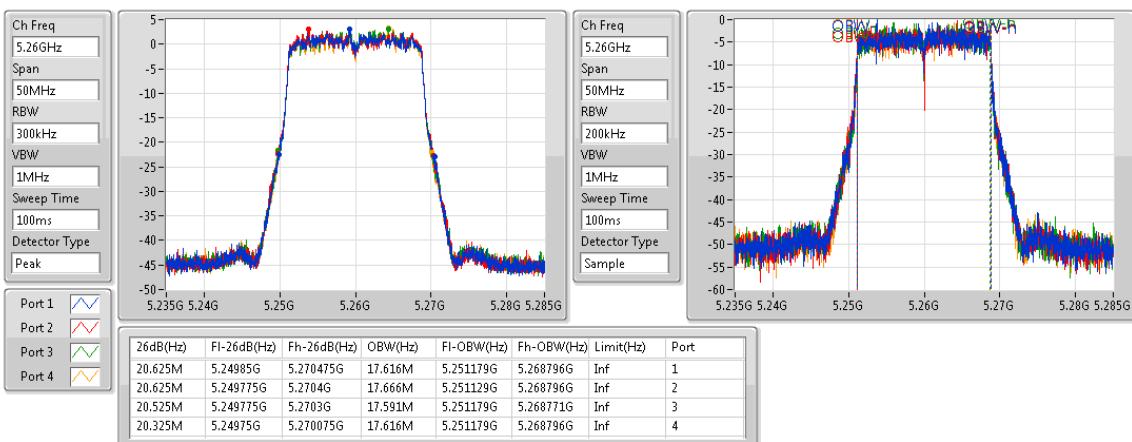
## 5240MHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

## 5260MHz





## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

## 5300MHz

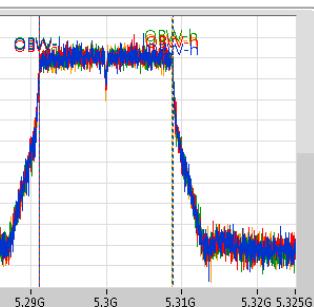
Ch Freq  
5.3GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak

- Port 1   
Port 2   
Port 3   
Port 4



Ch Freq  
5.3GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample

26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.45M	5.289825G	5.310275G	17.616M	5.291179G	5.308796G	Inf	1
20.675M	5.2897G	5.310375G	17.616M	5.291179G	5.308796G	Inf	2
20.55M	5.28975G	5.3103G	17.591M	5.291179G	5.308771G	Inf	3
20.425M	5.289775G	5.3102G	17.616M	5.291154G	5.308771G	Inf	4



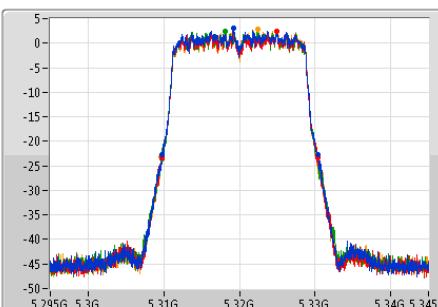
## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

## 5320MHz

Ch Freq  
5.32GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak

- Port 1   
Port 2   
Port 3   
Port 4



Ch Freq  
5.32GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample

26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.575M	5.30975G	5.330325G	17.616M	5.311179G	5.328796G	Inf	1
20.675M	5.309725G	5.3304G	17.641M	5.311154G	5.328796G	Inf	2
20.65M	5.3097G	5.33035G	17.616M	5.311179G	5.328796G	Inf	3
20.675M	5.3096G	5.330275G	17.591M	5.311179G	5.328771G	Inf	4



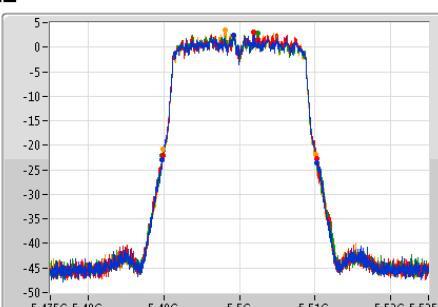
## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

## 5500MHz

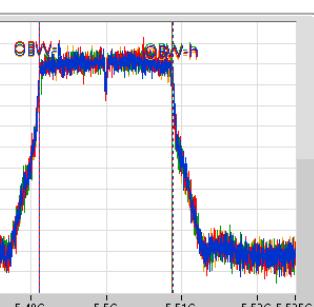
Ch Freq  
5.5GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak

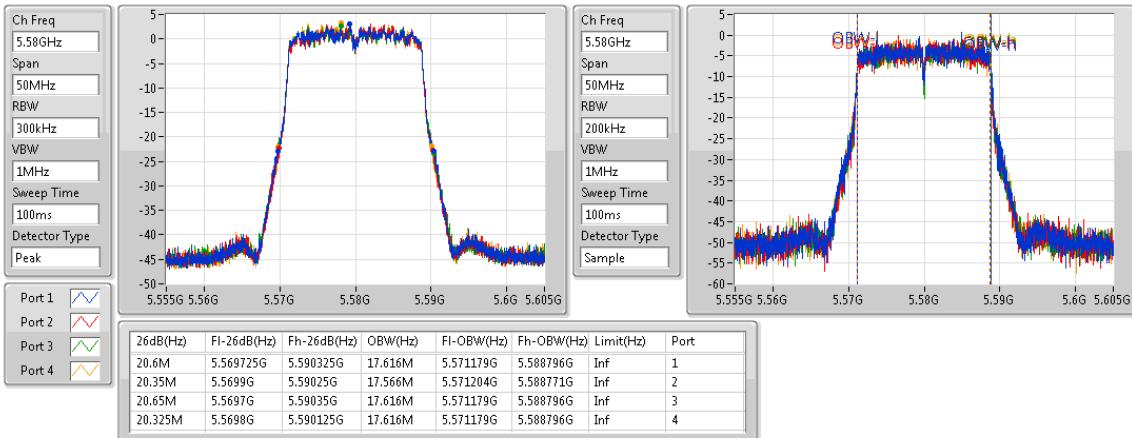
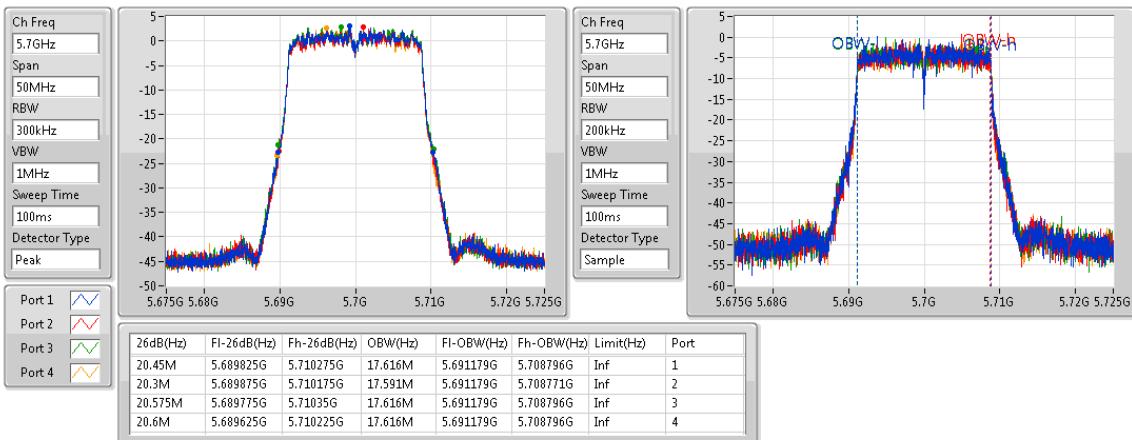
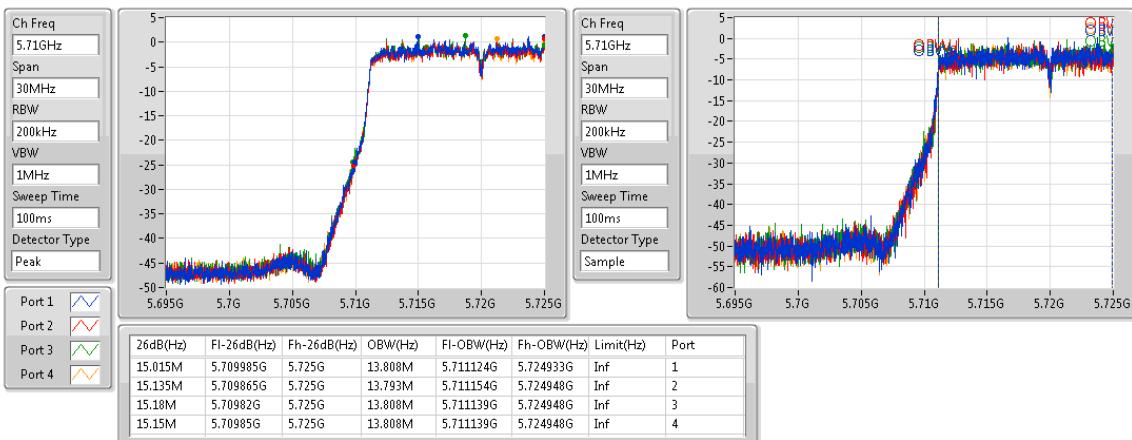
- Port 1   
Port 2   
Port 3   
Port 4



Ch Freq  
5.5GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample

26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.475M	5.4898G	5.510275G	17.641M	5.491154G	5.508796G	Inf	1
20.3M	5.489875G	5.510175G	17.591M	5.491179G	5.508771G	Inf	2
20.425M	5.4898G	5.510225G	17.616M	5.491154G	5.508771G	Inf	3
20.125M	5.489925G	5.51005G	17.591M	5.491179G	5.508771G	Inf	4



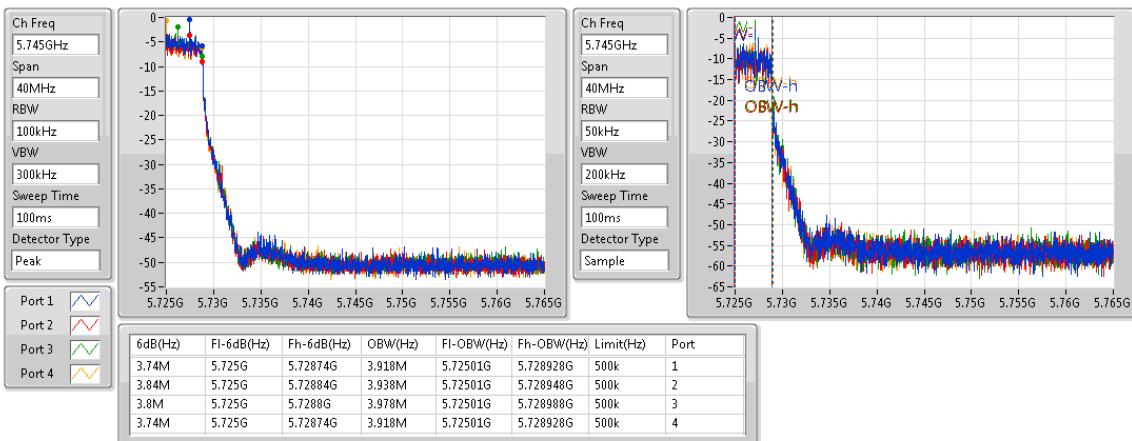
**802.11ac VHT20\_Nss1,(MCS0)\_4TX****EBW****5580MHz****802.11ac VHT20\_Nss1,(MCS0)\_4TX****EBW****5700MHz****802.11ac VHT20\_Nss1,(MCS0)\_4TX****EBW****5720MHz Straddle 5.47-5.725GHz**



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

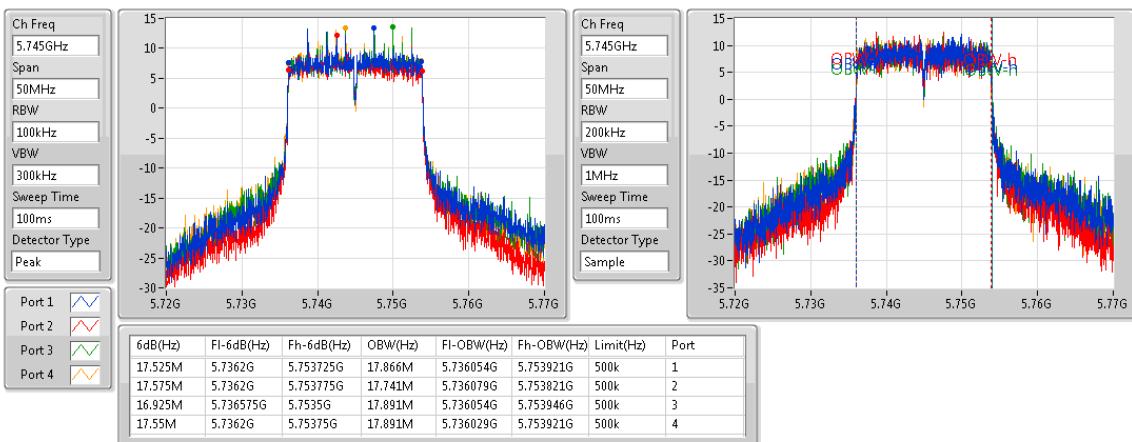
## 5720MHz Straddle 5.725-5.85GHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

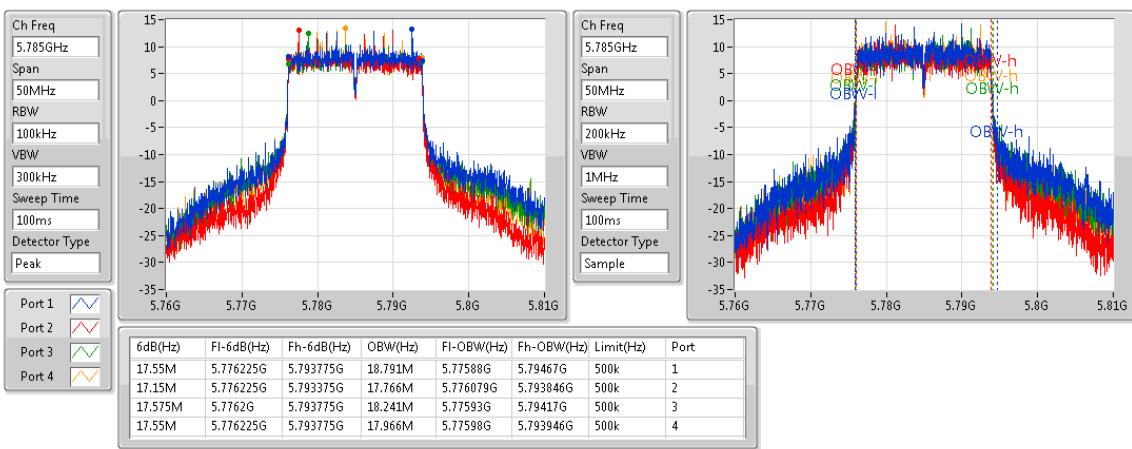
## 5745MHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

## 5785MHz

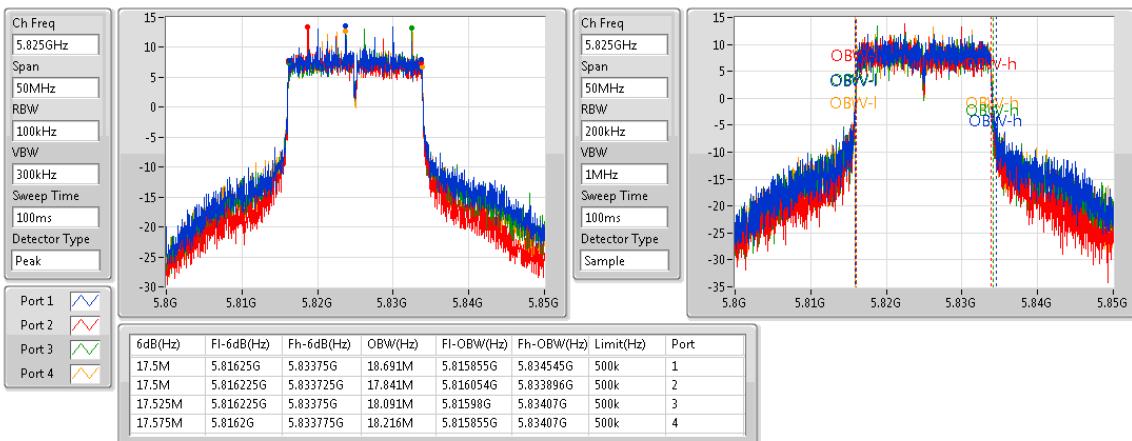




## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

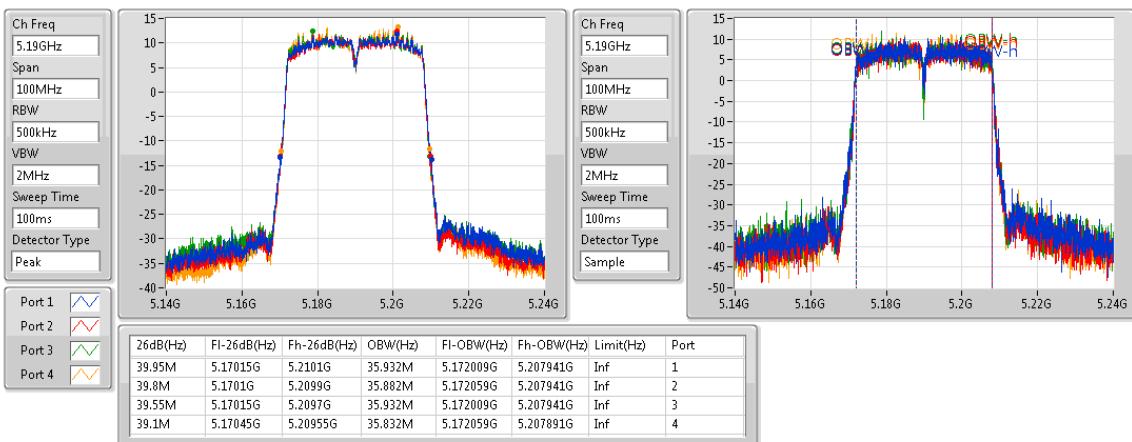
5825MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

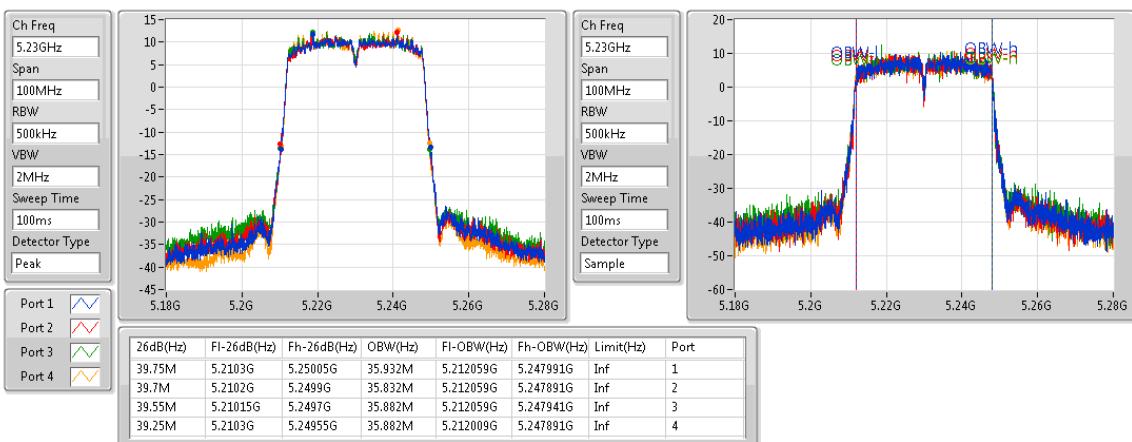
5190MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5230MHz

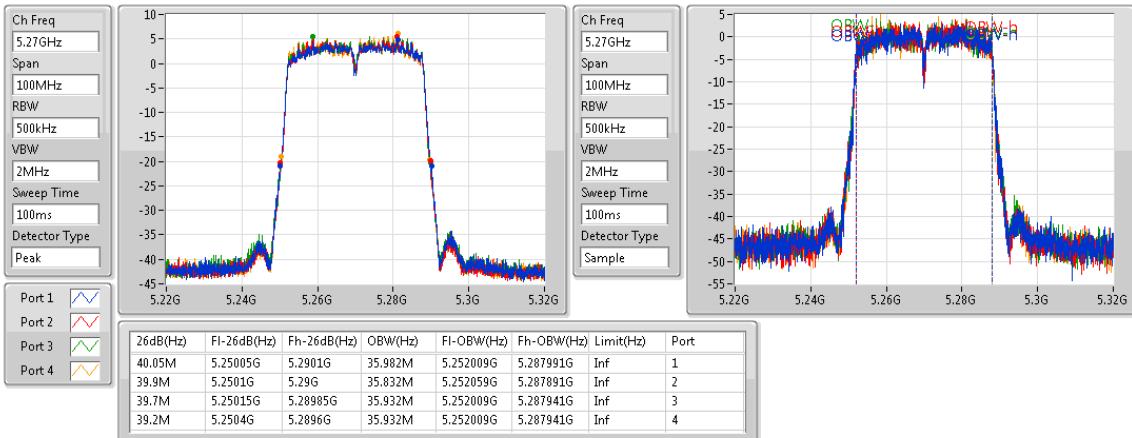




## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

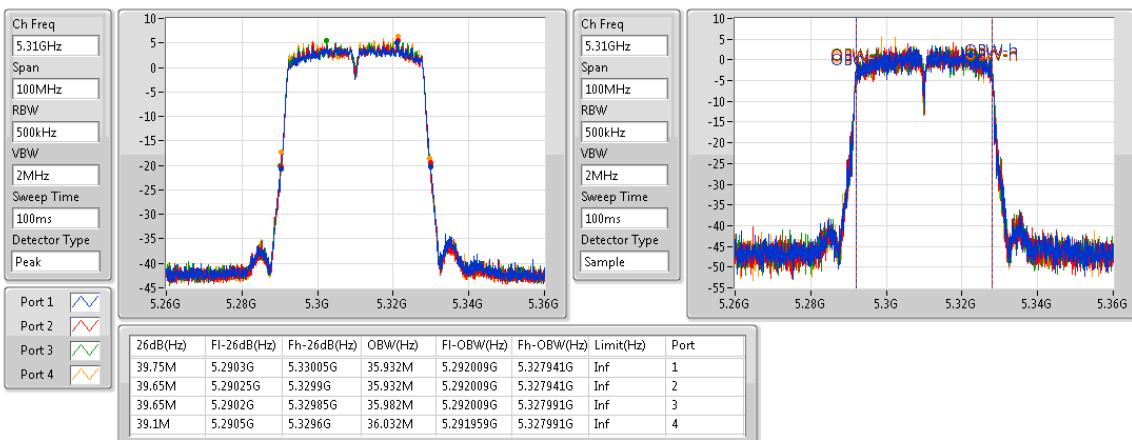
5270MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

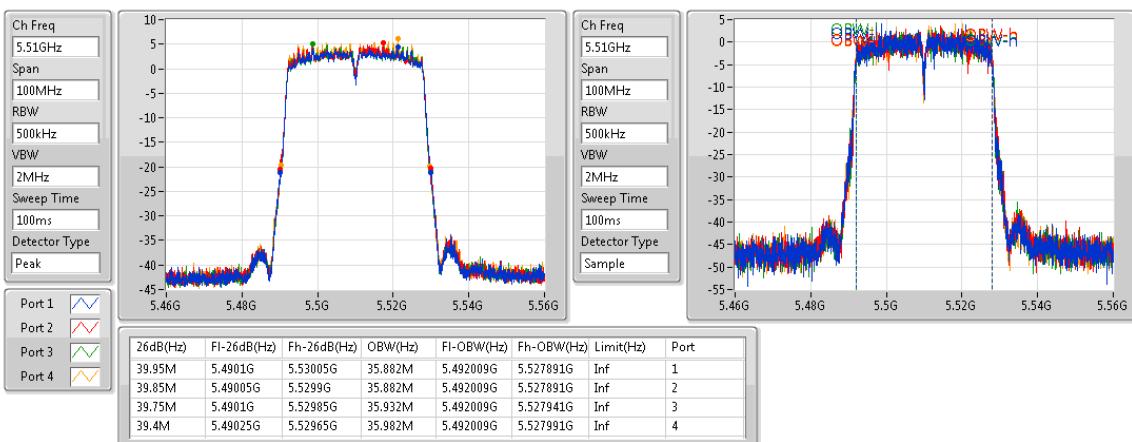
5310MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5510MHz

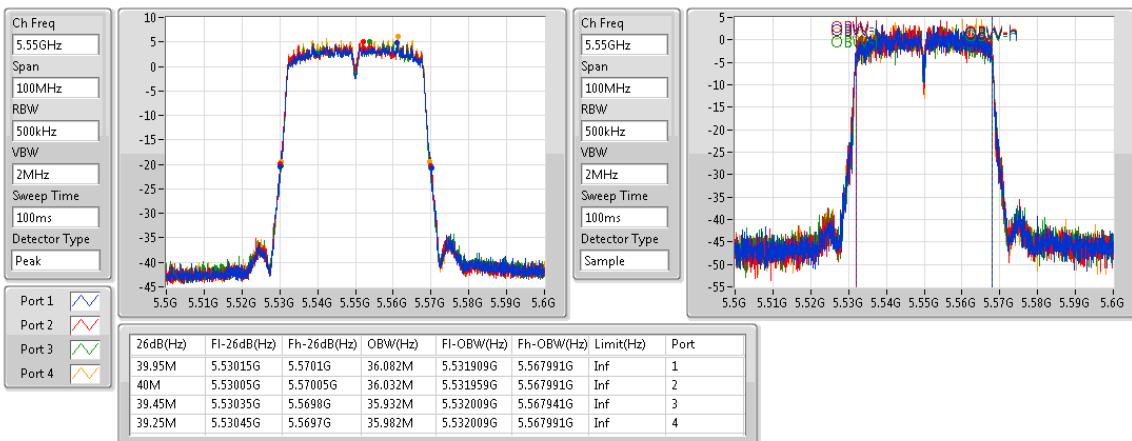




## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

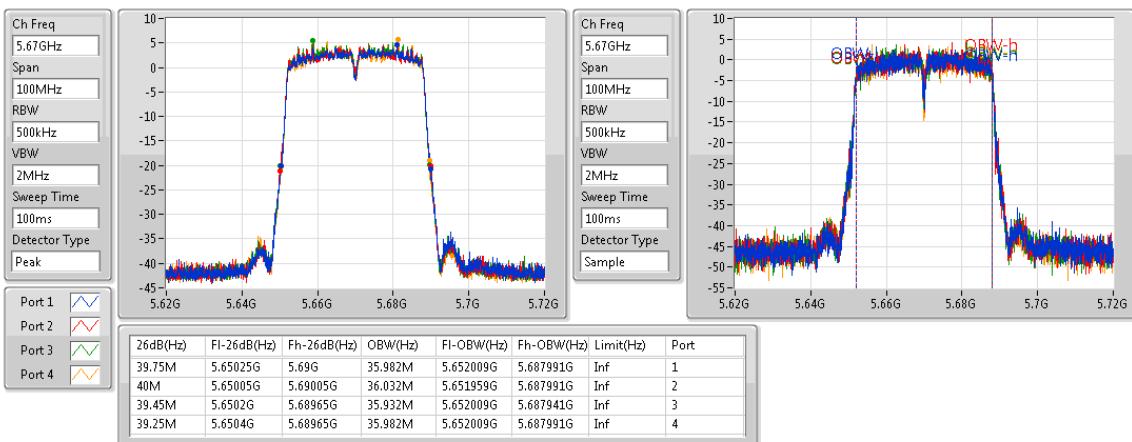
## 5550MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

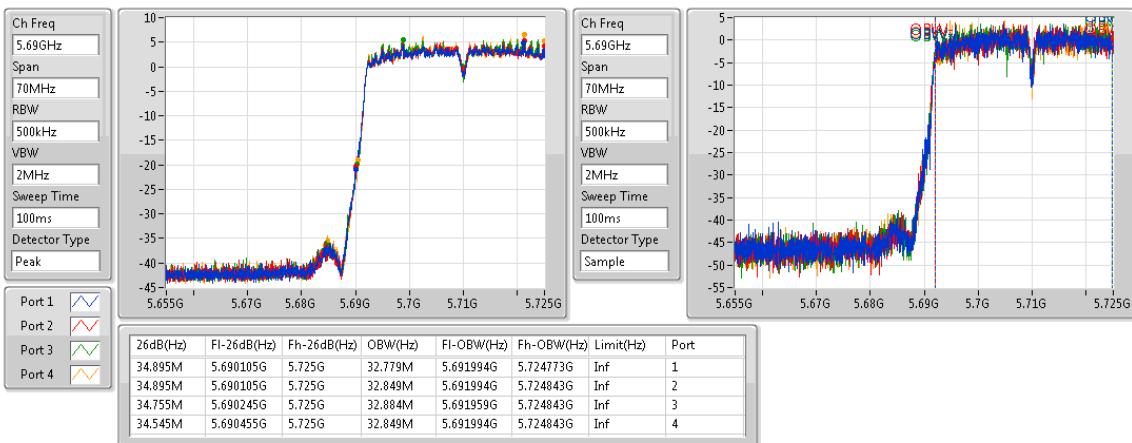
## 5670MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

## 5710MHz Straddle 5.47-5.725GHz

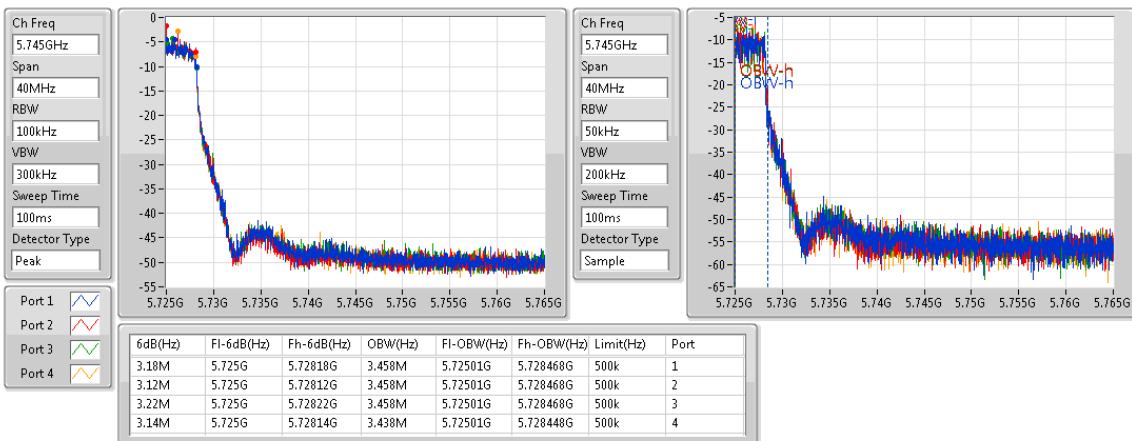




## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

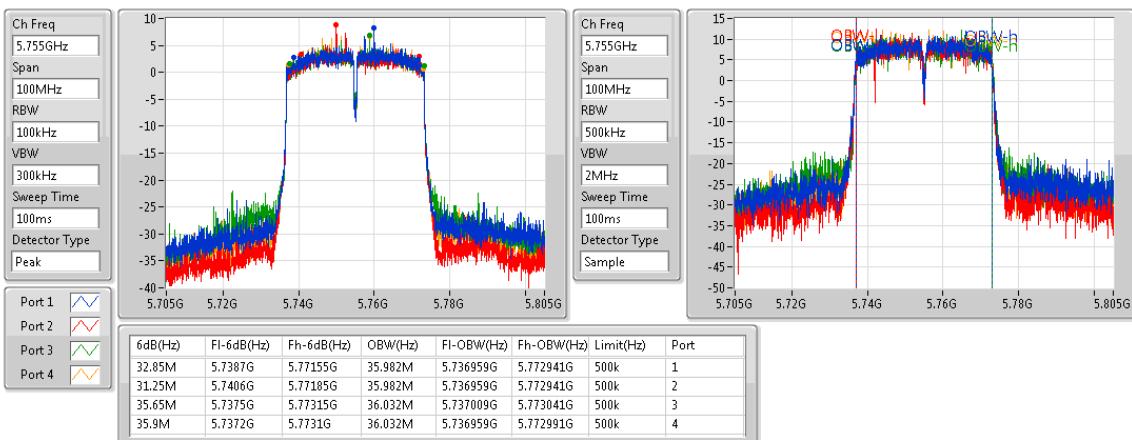
## 5710MHz Straddle 5.725-5.85GHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

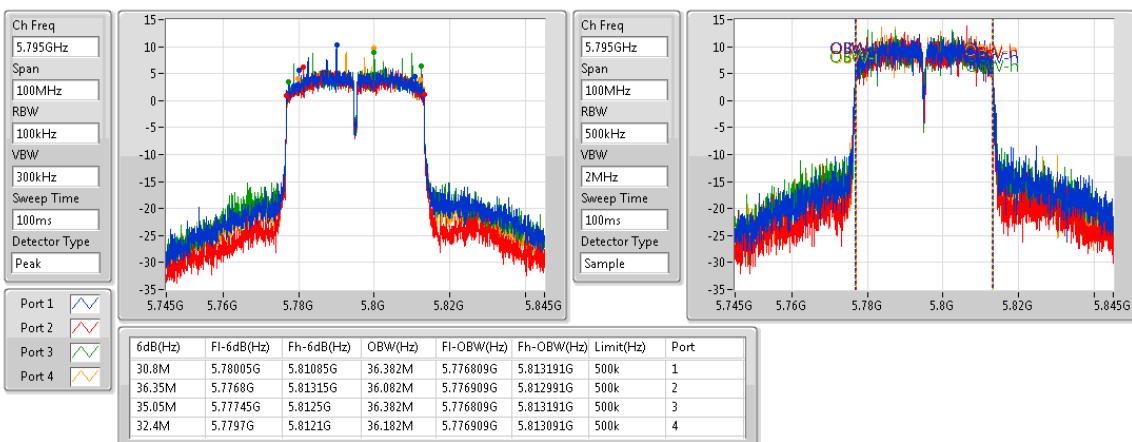
## 5755MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

## 5795MHz

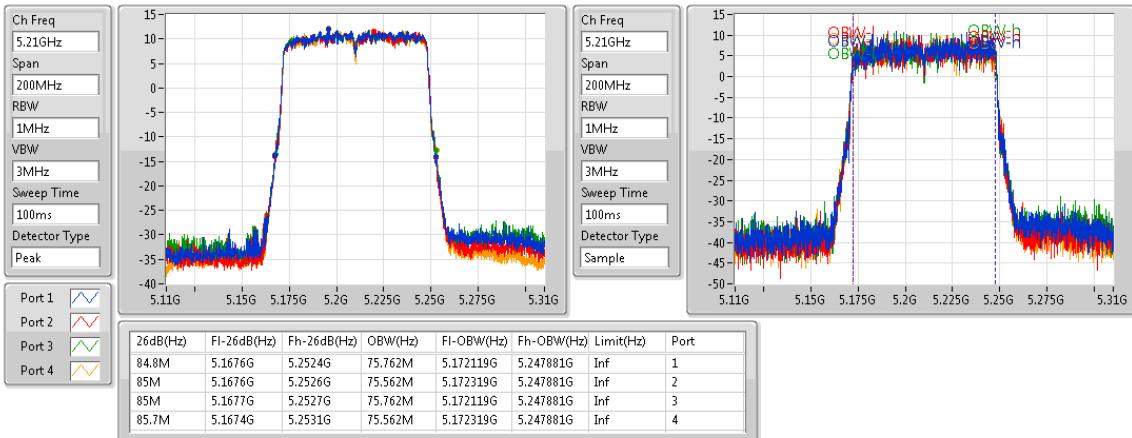




## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

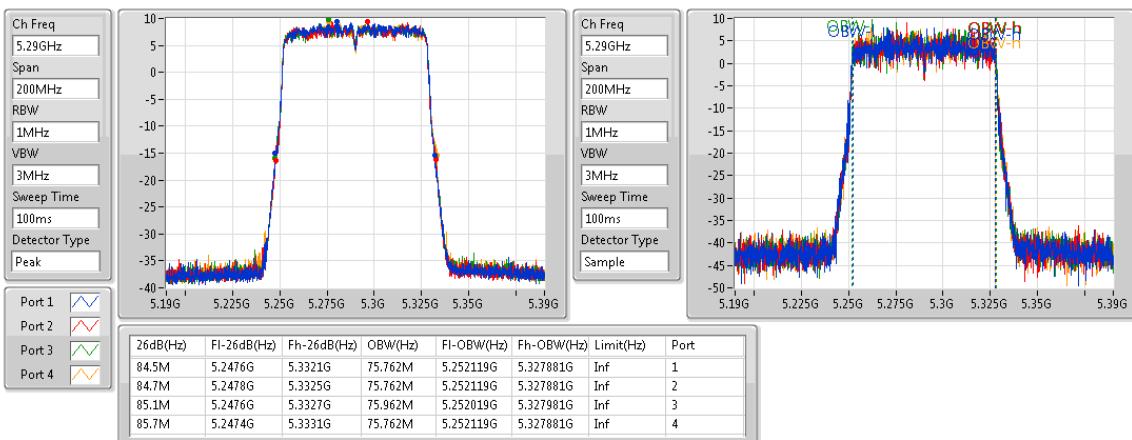
## 5210MHz



## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

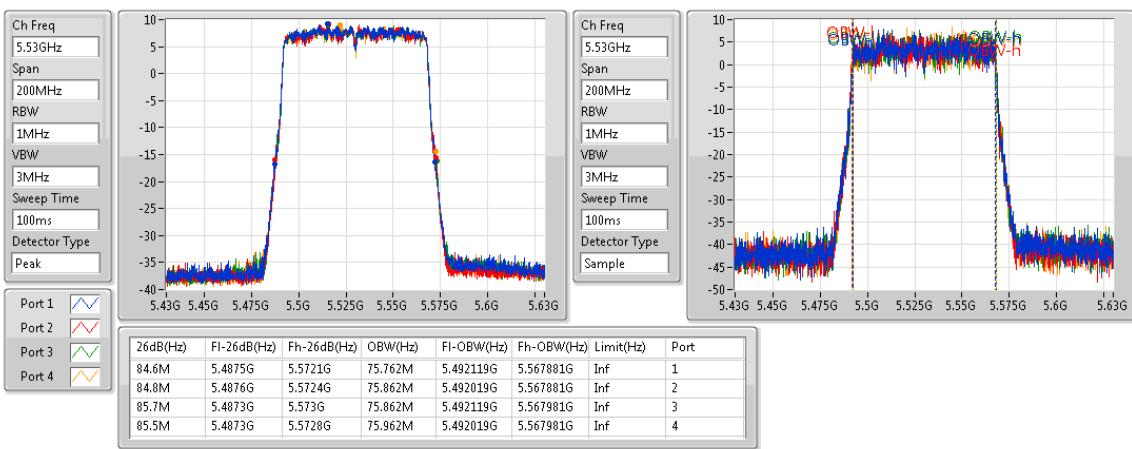
## 5290MHz



## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

## 5530MHz

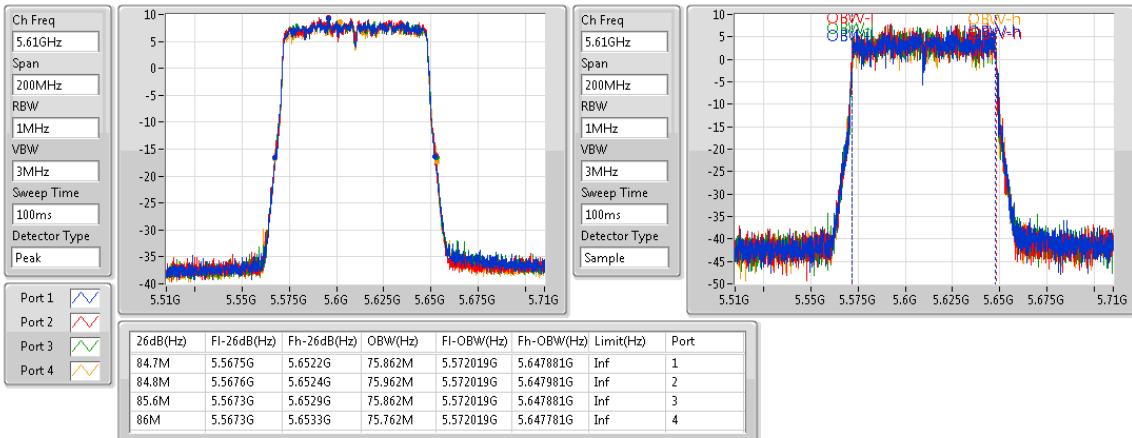




## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

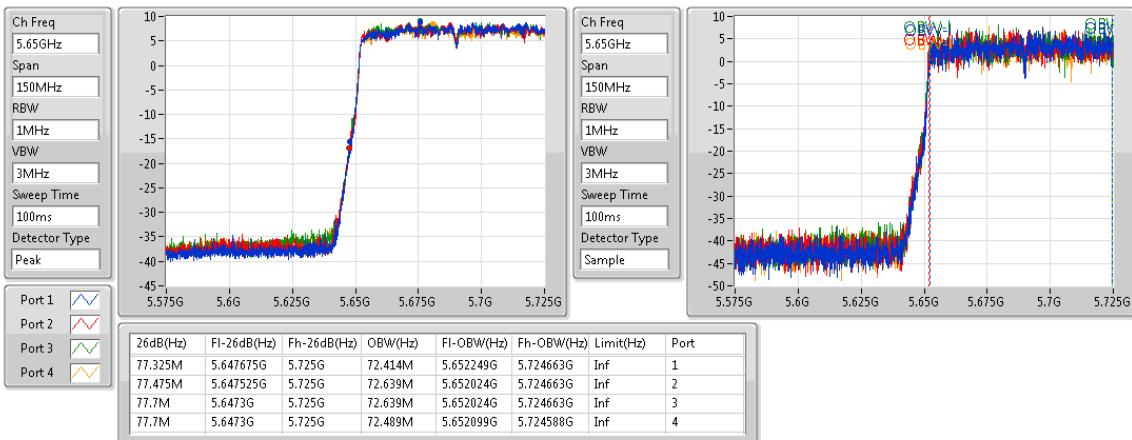
## 5610MHz



## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

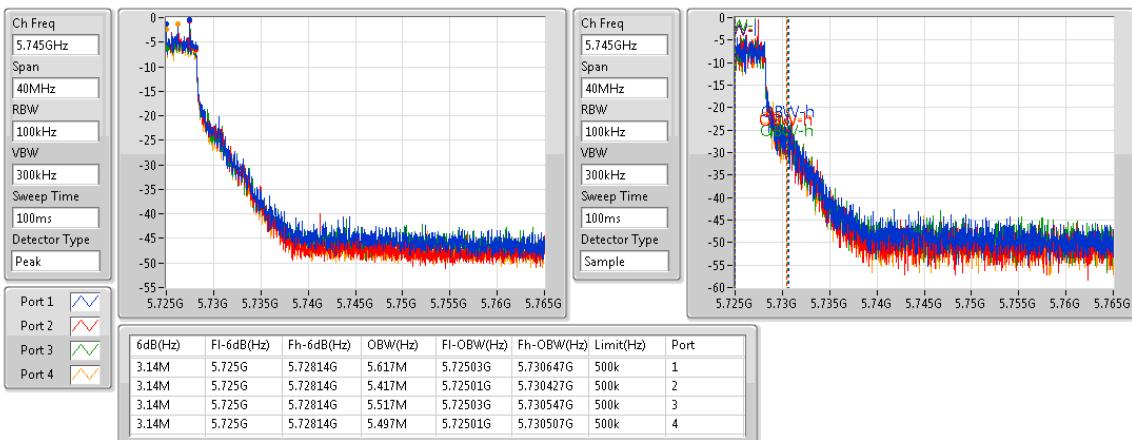
## 5690MHz Straddle 5.47-5.725GHz



## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

## 5690MHz Straddle 5.725-5.85GHz





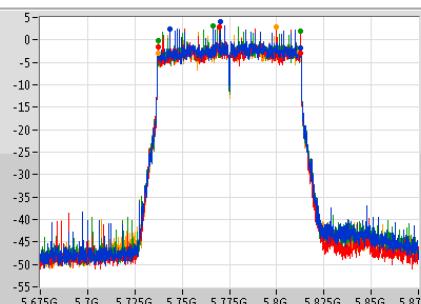
## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

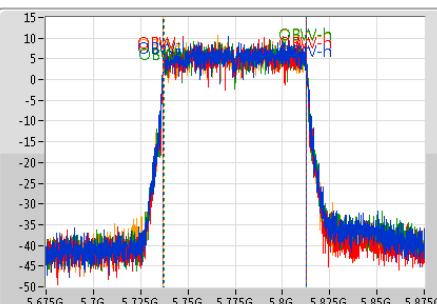
5775MHz

Ch Freq	5.775GHz
Span	200MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak

Port 1  Port 2  Port 3  Port 4



Ch Freq	5.775GHz
Span	200MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



6dB(Hz)	FI-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
68.8M	5.7437G	5.8125G	75.862M	5.737019G	5.812881G	500k	1
75.2M	5.7375G	5.8127G	75.762M	5.737019G	5.812781G	500k	2
75.1M	5.7374G	5.8125G	75.662M	5.737119G	5.812781G	500k	3
74.9M	5.7374G	5.8123G	75.762M	5.737019G	5.812781G	500k	4

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

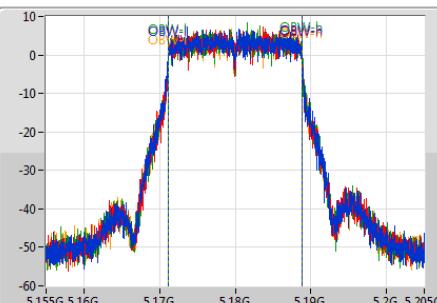
5180MHz

Ch Freq	5.18GHz
Span	50MHz
RBW	300kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak

Port 1  Port 2  Port 3  Port 4



Ch Freq	5.18GHz
Span	50MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.375M	5.1693G	5.190775G	17.641M	5.171154G	5.188796G	Inf	1
21.3M	5.169325G	5.190625G	17.666M	5.171154G	5.188821G	Inf	2
21.25M	5.169375G	5.190625G	17.641M	5.171154G	5.1888796G	Inf	3
21.35M	5.16935G	5.1907G	17.641M	5.171154G	5.1888796G	Inf	4

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5200MHz

Ch Freq	5.2GHz
Span	50MHz
RBW	300kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak

Port 1  Port 2  Port 3  Port 4



Ch Freq	5.2GHz
Span	50MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Sample



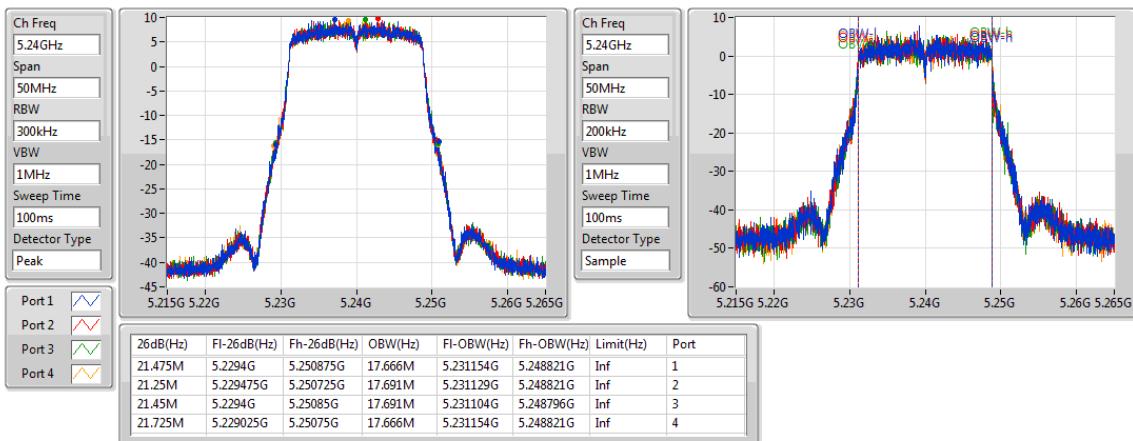
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.325M	5.18925G	5.210575G	17.641M	5.191154G	5.208796G	Inf	1
21.25M	5.1894G	5.21065G	17.666M	5.191154G	5.208821G	Inf	2
21.275M	5.189325G	5.2106G	17.666M	5.191154G	5.208821G	Inf	3
21.55M	5.189275G	5.210825G	17.616M	5.191179G	5.208796G	Inf	4



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

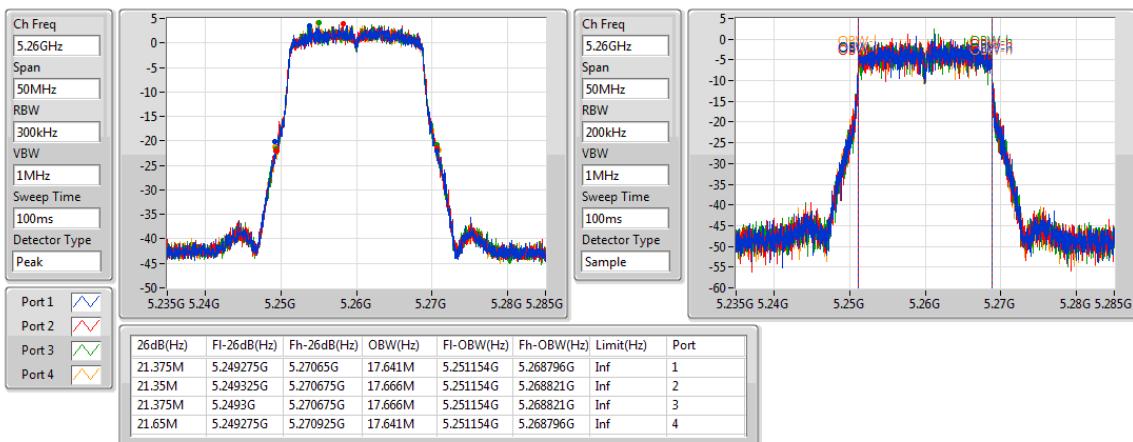
5240MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

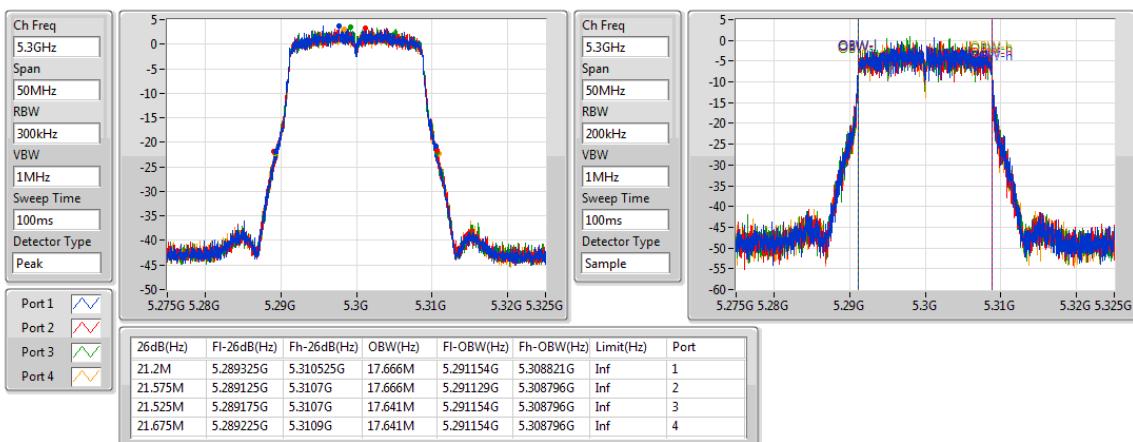
5260MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5300MHz

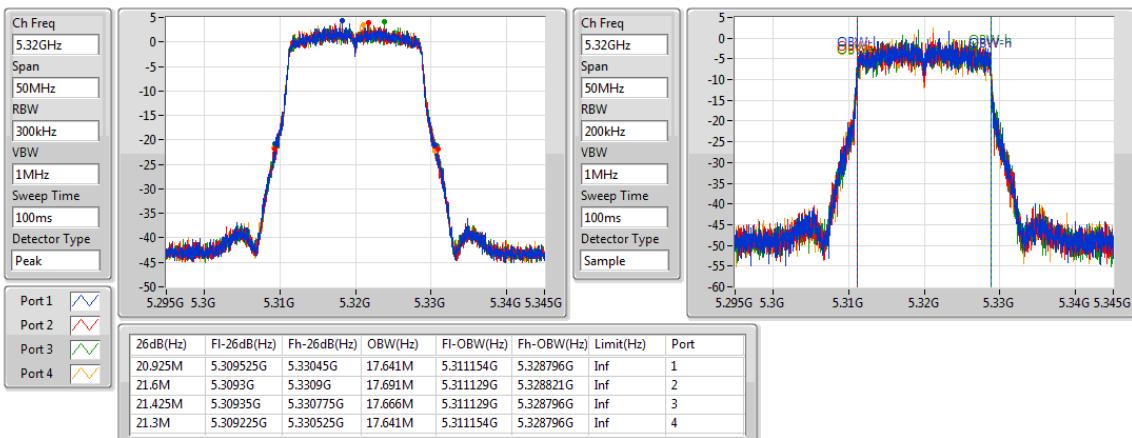




## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

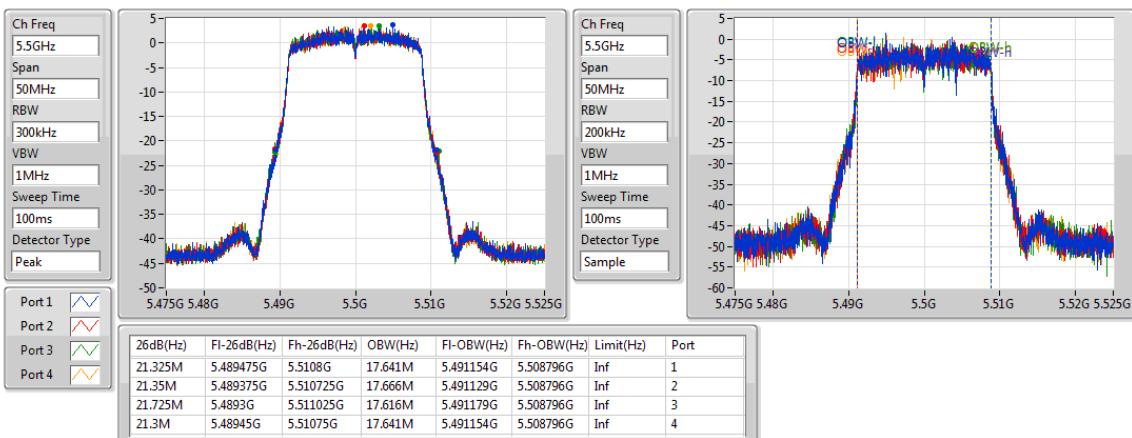
5320MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

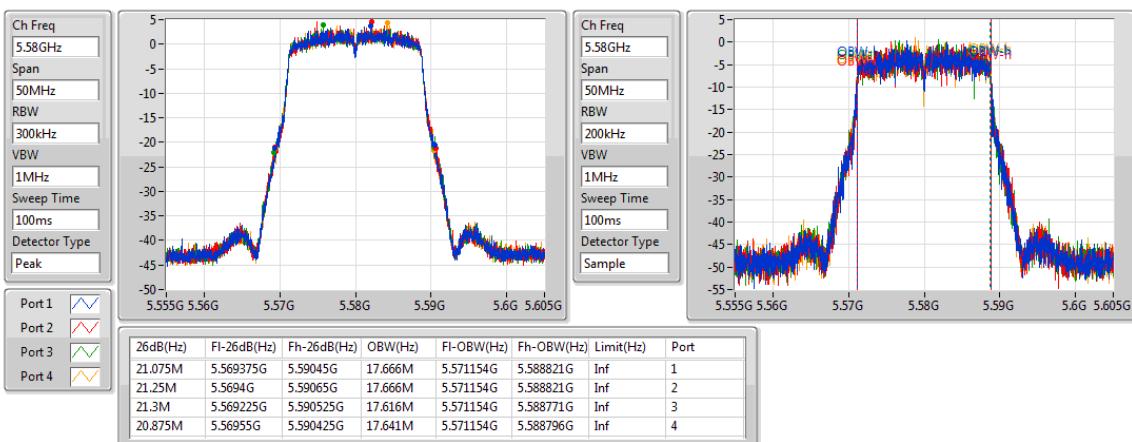
5500MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5580MHz

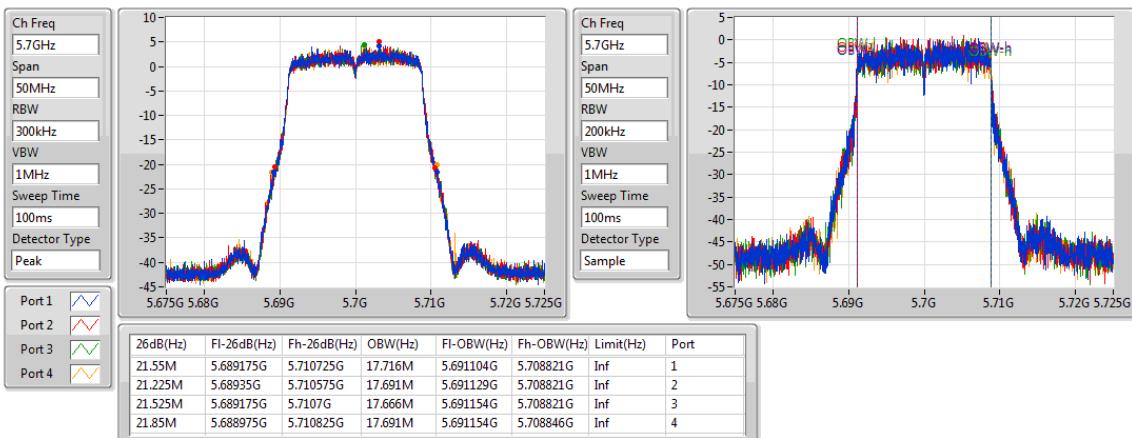




## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

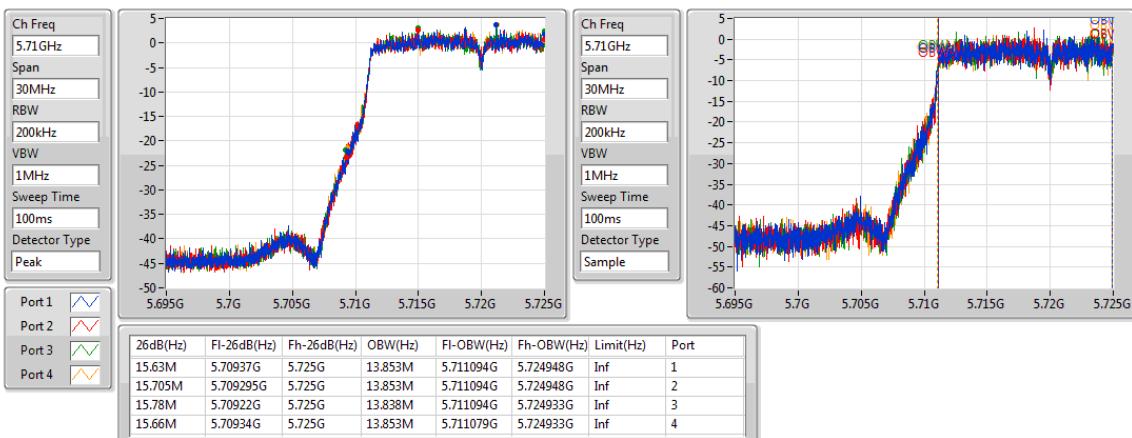
5700MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

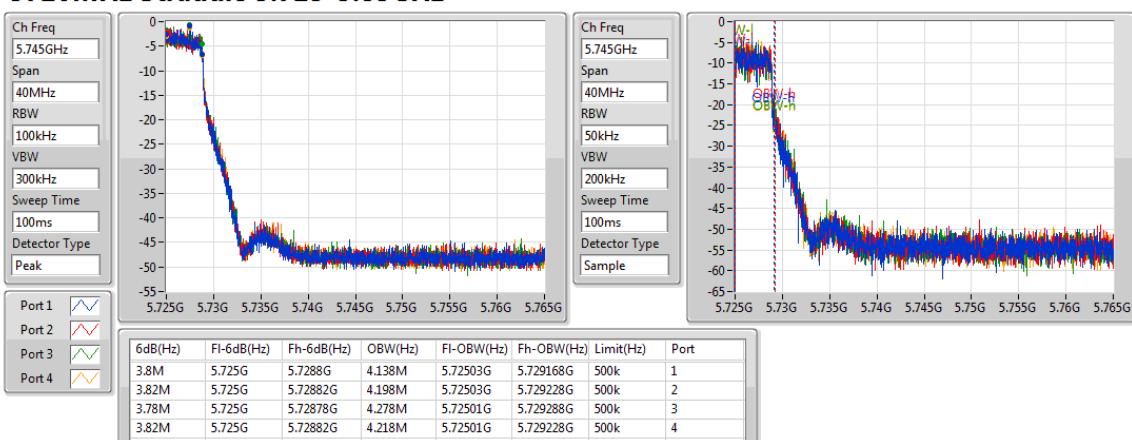
5720MHz Straddle 5.47-5.725GHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

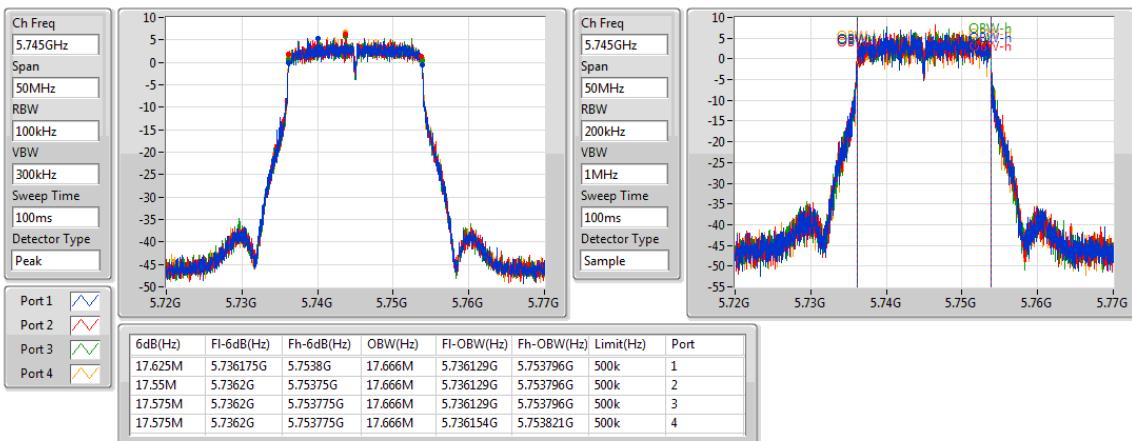




## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

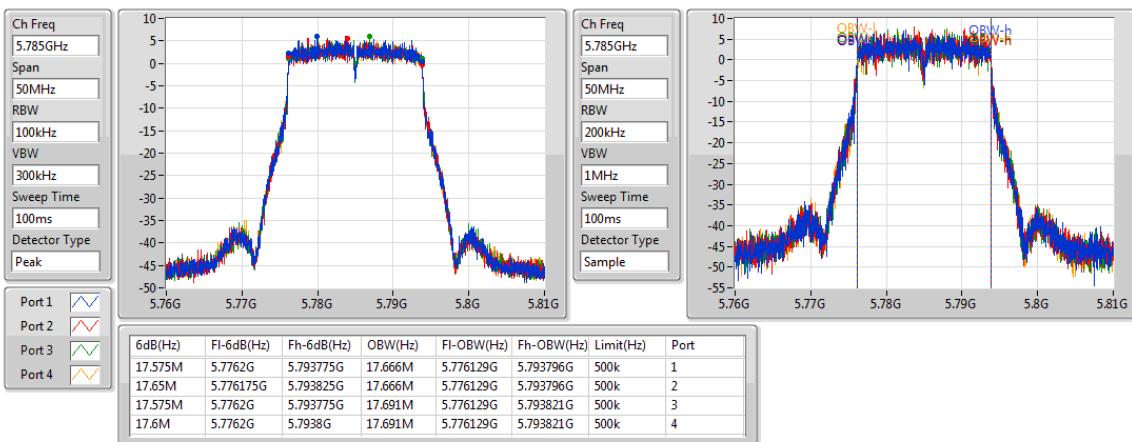
5745MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

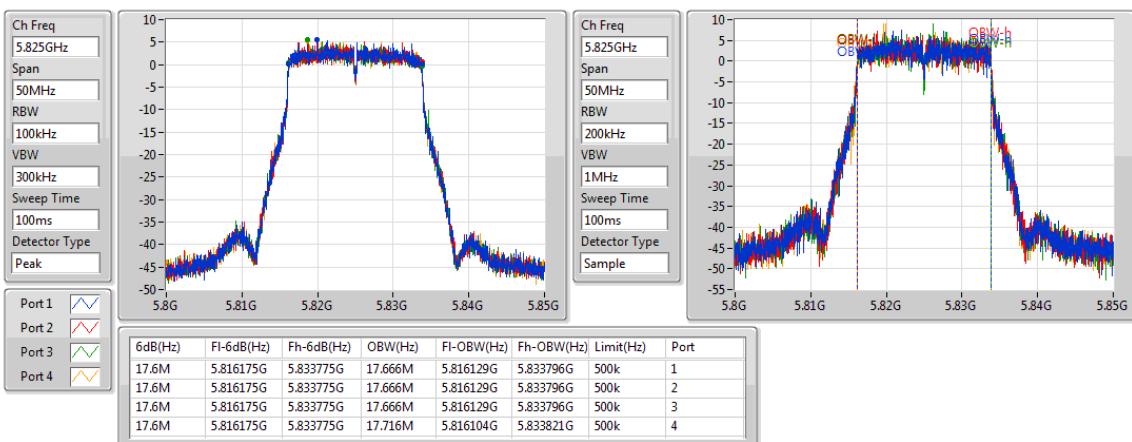
5785MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5825MHz

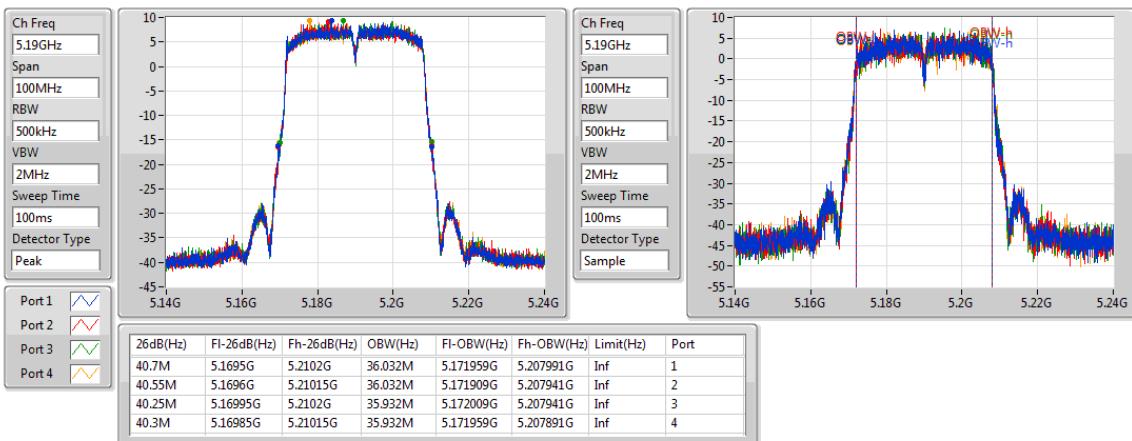




## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

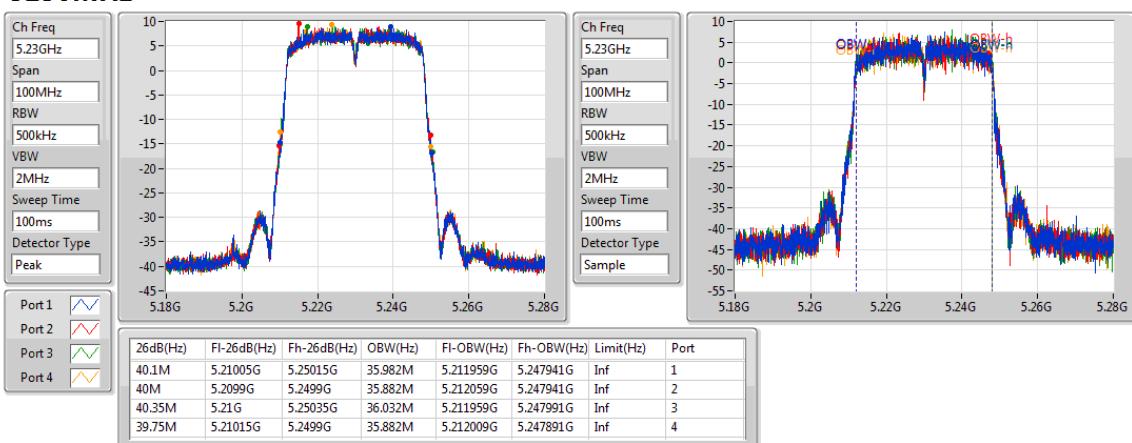
5190MHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5230MHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5270MHz

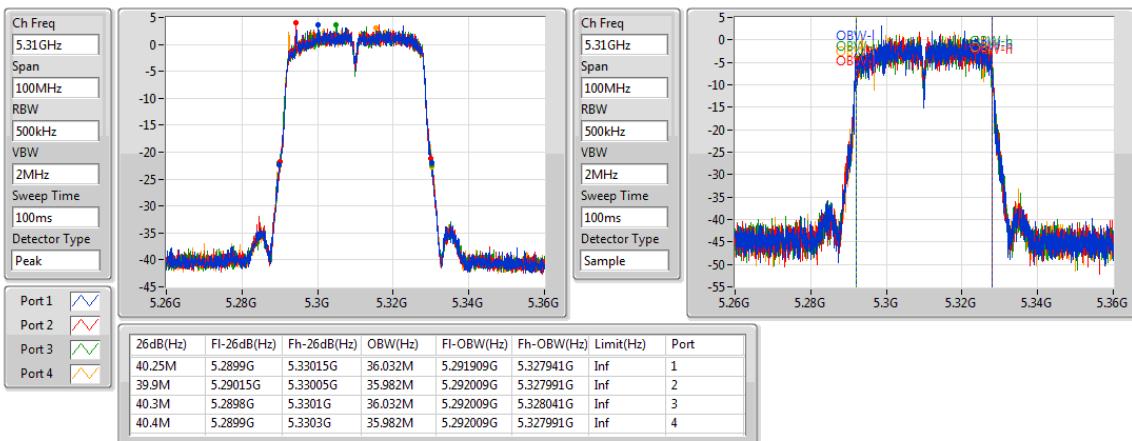




## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

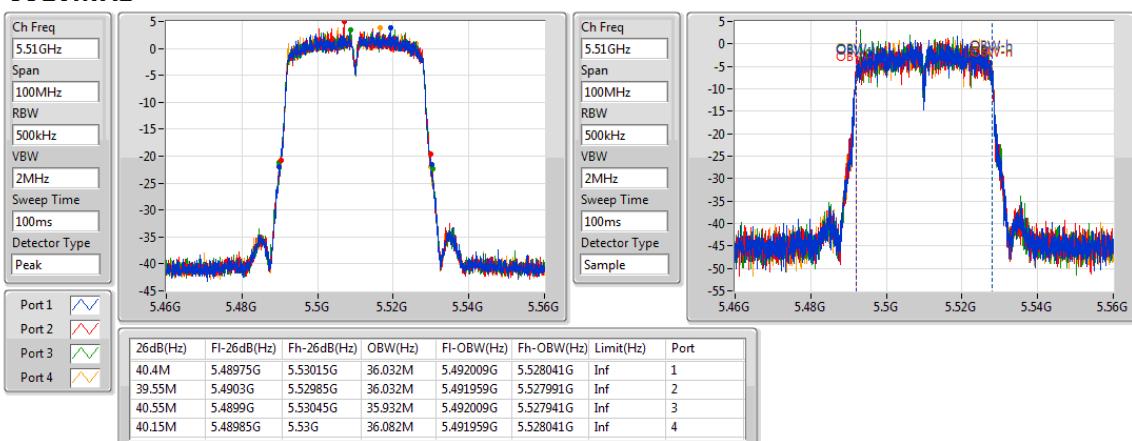
5310MHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

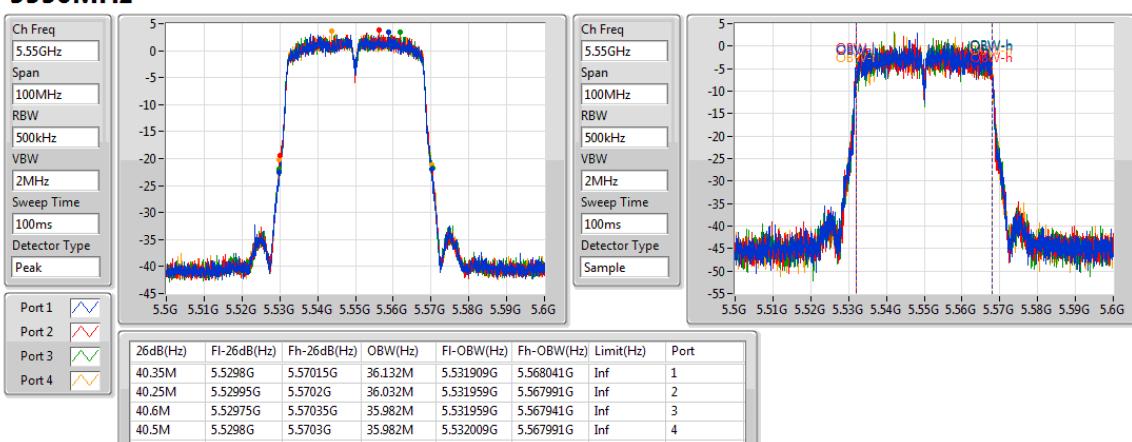
5510MHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5550MHz

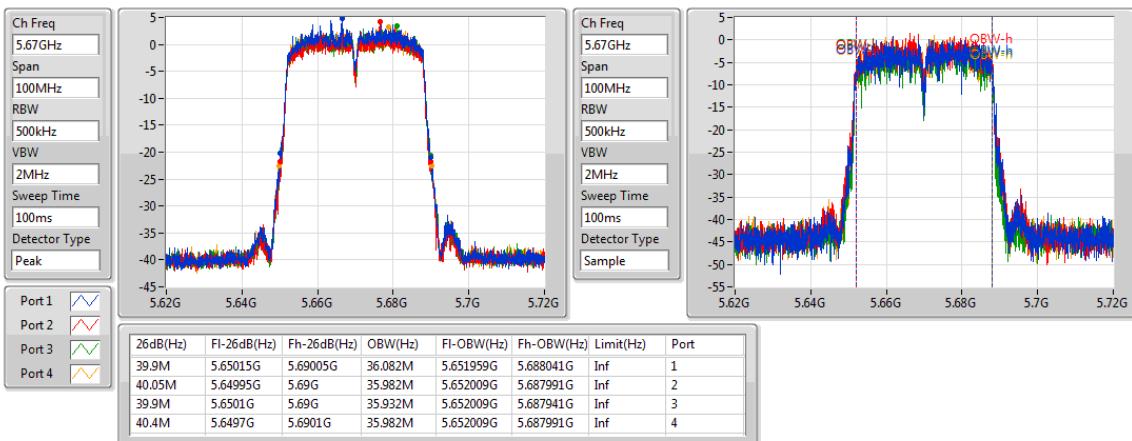




## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

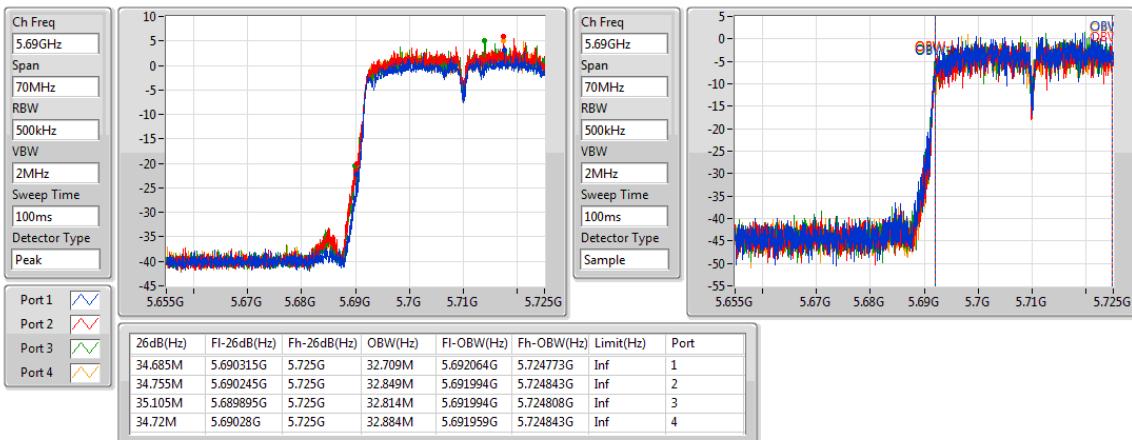
5670MHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

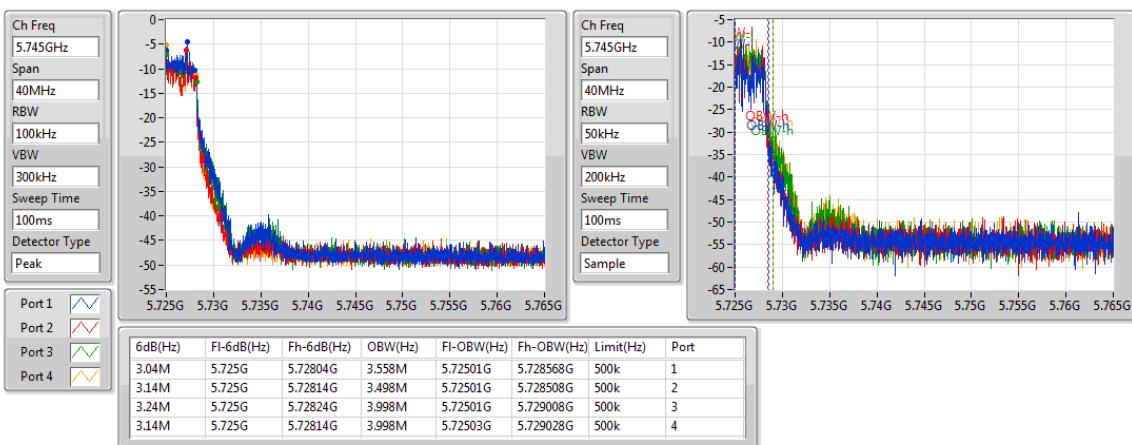
5710MHz Straddle 5.47-5.725GHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

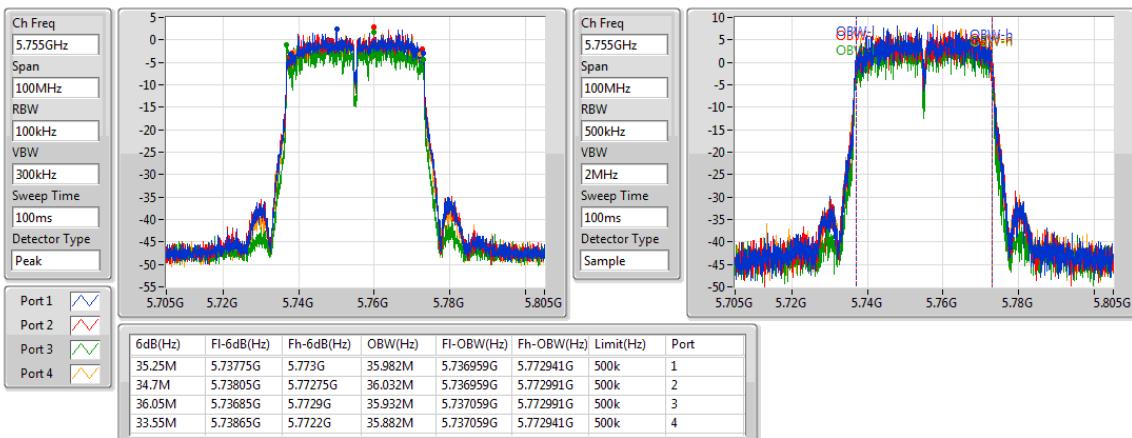




## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

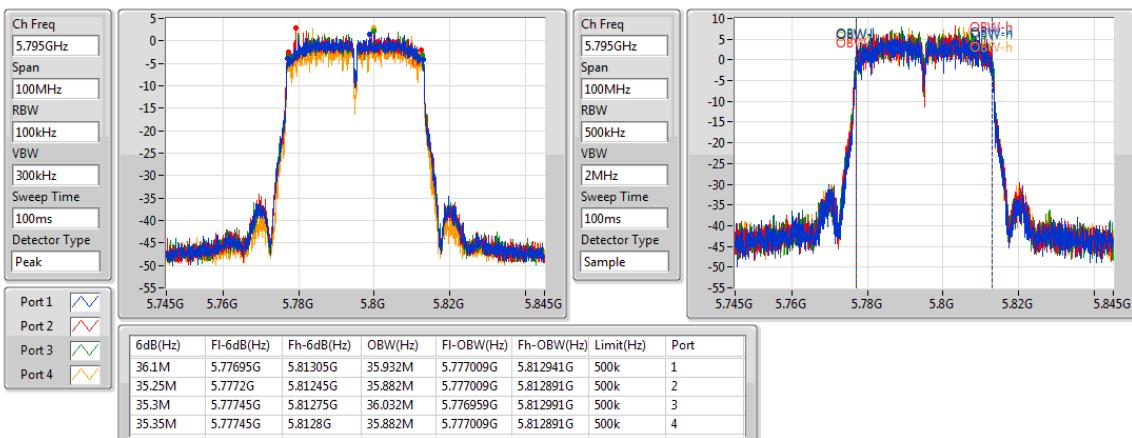
5755MHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5795MHz



## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5210MHz

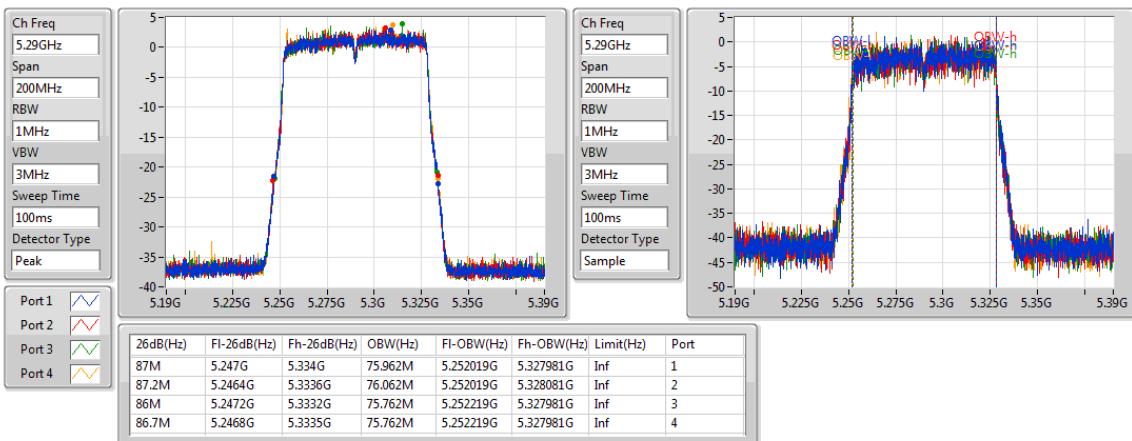




## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

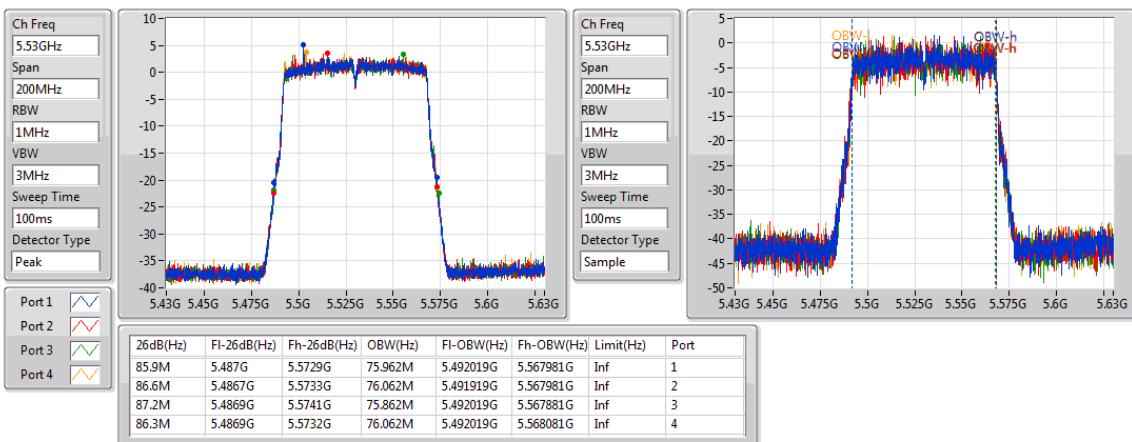
5290MHz



## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

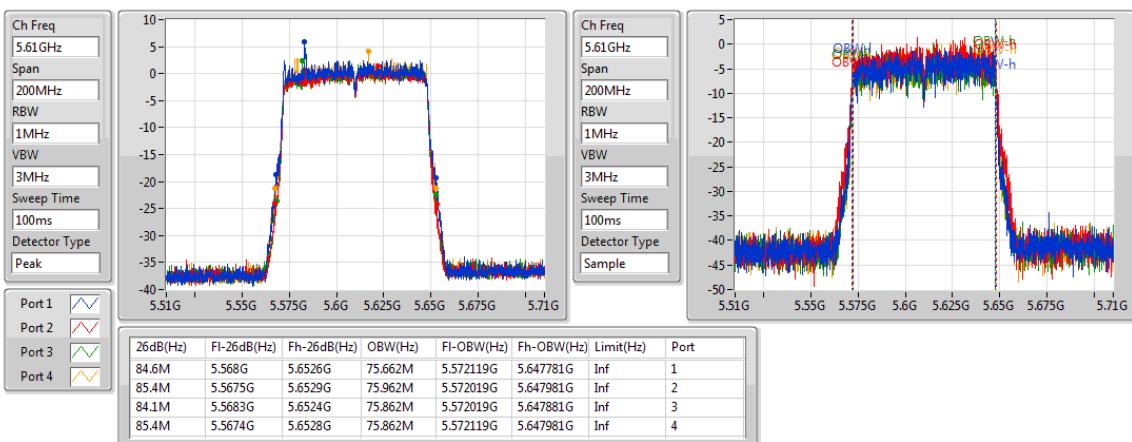
5530MHz



## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5610MHz

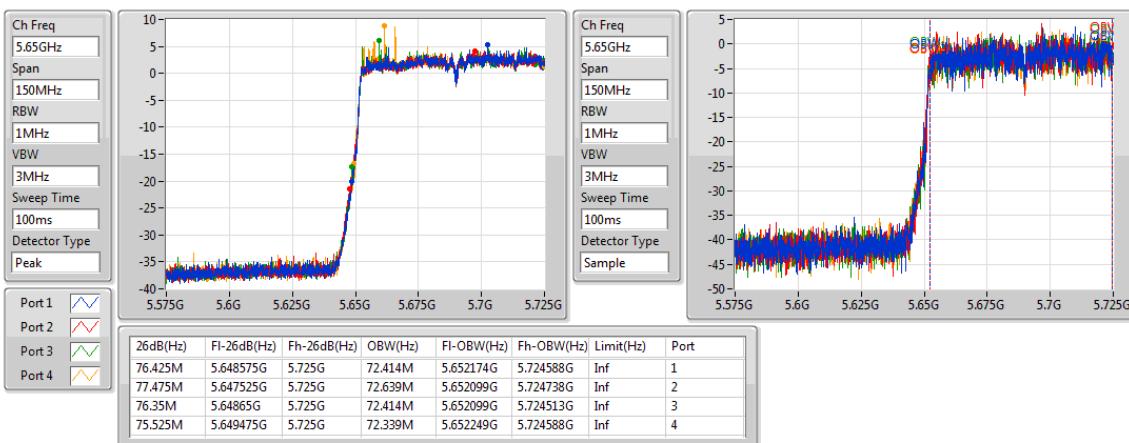




## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

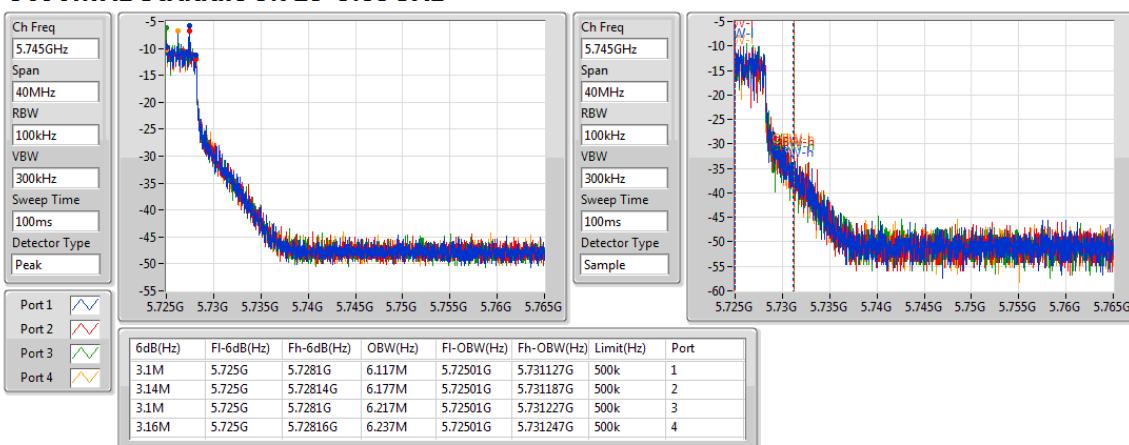
## 5690MHz Straddle 5.47-5.725GHz



## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

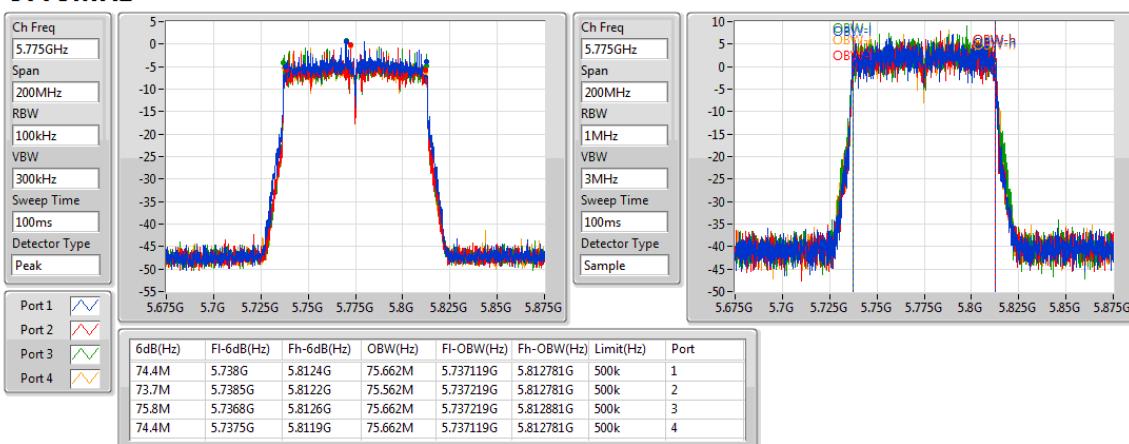
## 5690MHz Straddle 5.725-5.85GHz



## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

## 5775MHz





## For set 2 antenna / 4T2S

## Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	21.575M	17.691M	17M7D1D	20.975M	17.616M
5.25-5.35GHz	21.625M	17.691M	17M7D1D	20.975M	17.616M
5.47-5.725GHz	21.65M	17.666M	17M7D1D	14.835M	13.793M
5.725-5.85GHz	17.6M	17.691M	17M7D1D	3.78M	3.978M
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	40.55M	36.032M	36M0D1D	40.1M	35.932M
5.25-5.35GHz	40.6M	35.982M	36M0D1D	39.75M	35.882M
5.47-5.725GHz	40.8M	36.082M	36M1D1D	34.195M	32.744M
5.725-5.85GHz	35.55M	35.982M	36M0D1D	2.48M	3.458M
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	86.9M	76.062M	76M1D1D	86.1M	75.762M
5.25-5.35GHz	86.9M	76.162M	76M2D1D	86.2M	75.862M
5.47-5.725GHz	85.6M	75.962M	76M0D1D	76.425M	72.489M
5.725-5.85GHz	75.4M	75.762M	75M8D1D	3.18M	5.617M

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

**Max-OBW** = Maximum 99% occupied bandwidth;

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

**Min-OBW** = Minimum 99% occupied bandwidth;



## Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT20-BF_Nss2,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.5M	17.691M	21.3M	17.666M	21.375M	17.666M	21.475M	17.641M
5200MHz	Pass	Inf	21.525M	17.616M	21.475M	17.641M	21.425M	17.666M	21.225M	17.666M
5240MHz	Pass	Inf	21.175M	17.616M	21.575M	17.666M	20.975M	17.616M	21.475M	17.666M
5260MHz	Pass	Inf	21.25M	17.666M	21.4M	17.641M	20.975M	17.641M	21.625M	17.641M
5300MHz	Pass	Inf	21.475M	17.666M	21.475M	17.616M	21.425M	17.691M	21.1M	17.691M
5320MHz	Pass	Inf	21.275M	17.616M	21.475M	17.666M	21.075M	17.666M	21.3M	17.641M
5500MHz	Pass	Inf	21.3M	17.641M	21.225M	17.616M	21.25M	17.641M	21.5M	17.666M
5580MHz	Pass	Inf	21.15M	17.641M	21.35M	17.641M	21M	17.641M	21.35M	17.641M
5700MHz	Pass	Inf	20M	17.641M	21.65M	17.666M	21.225M	17.641M	21.375M	17.666M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.285M	13.823M	14.97M	13.793M	14.97M	13.823M	14.835M	13.808M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	4.198M	3.78M	3.978M	3.8M	3.998M	3.78M	4.058M
5745MHz	Pass	500k	17.575M	17.666M	17.6M	17.641M	17.55M	17.691M	17.55M	17.666M
5785MHz	Pass	500k	17.6M	17.641M	17.575M	17.666M	17.55M	17.666M	17.6M	17.691M
5825MHz	Pass	500k	17.575M	17.691M	17.575M	17.691M	17.575M	17.691M	17.575M	17.691M
802.11ac VHT40-BF_Nss2,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.1M	35.982M	40.1M	35.932M	40.55M	35.982M	40.55M	36.032M
5230MHz	Pass	Inf	40.35M	36.032M	40.3M	35.932M	40.1M	35.932M	40.15M	35.982M
5270MHz	Pass	Inf	40.1M	35.982M	40.25M	35.982M	40.25M	35.932M	40.55M	35.882M
5310MHz	Pass	Inf	40.25M	35.982M	40.6M	35.882M	39.75M	35.932M	40.1M	35.932M
5510MHz	Pass	Inf	40.4M	35.982M	40.45M	36.082M	40.45M	35.982M	40.45M	36.032M
5550MHz	Pass	Inf	40.8M	36.032M	40.35M	35.982M	40.55M	35.982M	40.05M	36.082M
5670MHz	Pass	Inf	39.35M	35.932M	40M	36.032M	40.25M	35.982M	40.25M	35.932M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.37M	32.744M	34.195M	32.849M	34.44M	32.814M	34.335M	32.849M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	2.48M	3.798M	3.24M	3.458M	3.2M	3.478M	3.26M	3.538M
5755MHz	Pass	500k	35M	35.932M	35.3M	35.882M	35.15M	35.932M	35M	35.932M
5795MHz	Pass	500k	35.55M	35.982M	35.3M	35.932M	35.3M	35.932M	35.55M	35.882M
802.11ac VHT80-BF_Nss2,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	86.4M	75.862M	86.9M	75.962M	86.4M	75.762M	86.1M	76.062M
5290MHz	Pass	Inf	86.5M	76.062M	86.9M	75.862M	86.9M	75.962M	86.2M	76.162M
5530MHz	Pass	Inf	84.5M	75.662M	83.3M	75.662M	85.6M	75.962M	85M	75.762M
5610MHz	Pass	Inf	83.2M	75.762M	83.1M	75.762M	82.9M	75.762M	83.5M	75.662M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.175M	72.489M	76.425M	72.714M	77.475M	72.564M	76.65M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.28M	5.617M	3.24M	5.697M	3.18M	5.777M	3.18M	5.737M
5775MHz	Pass	500k	74.5M	75.762M	74.6M	75.762M	73M	75.762M	75.4M	75.762M

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

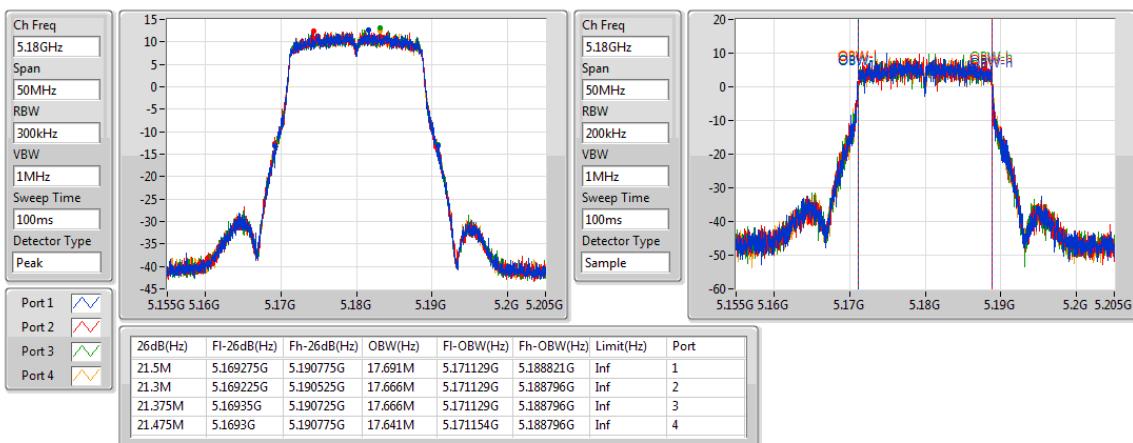
Port X-OBW = Port X 99% occupied bandwidth;



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

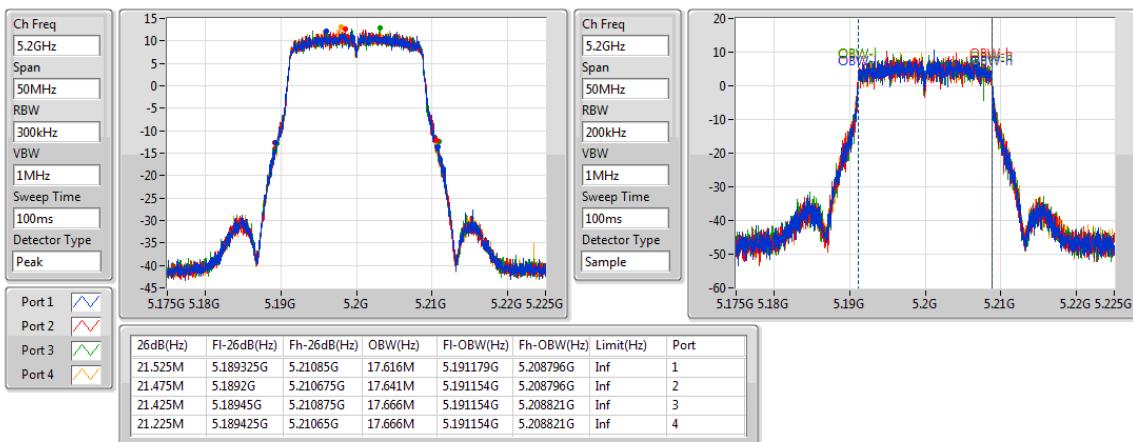
5180MHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

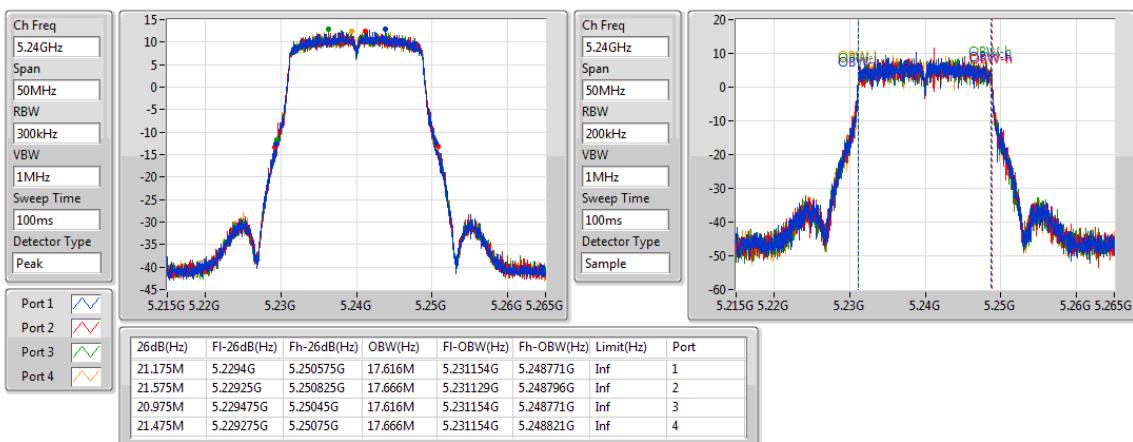
5200MHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5240MHz

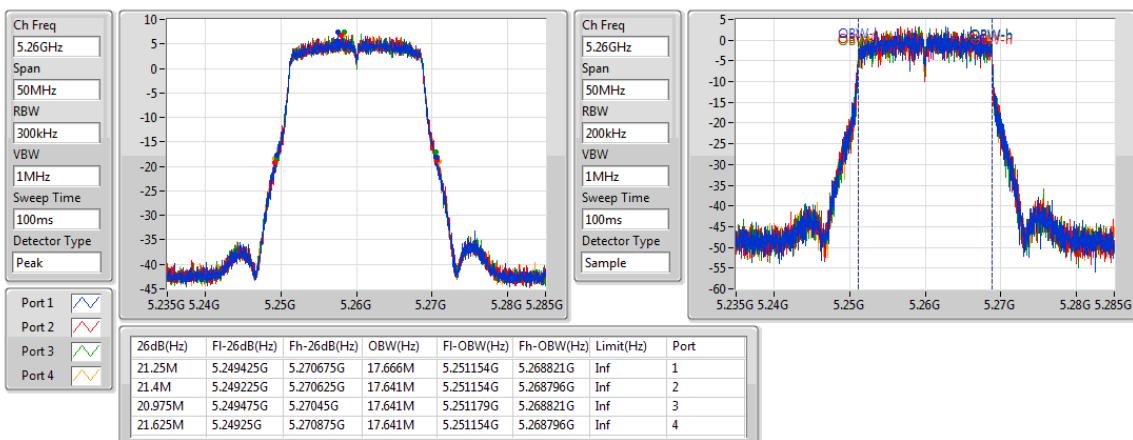




## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

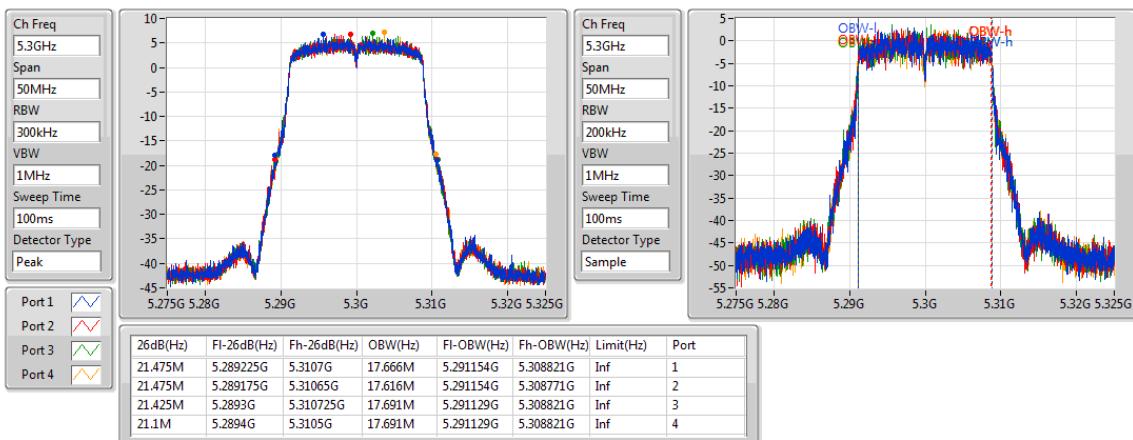
5260MHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

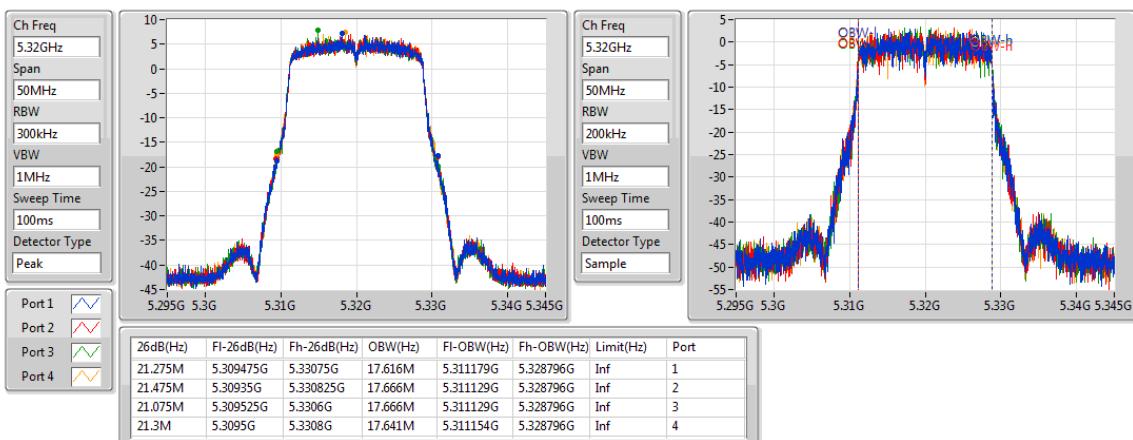
5300MHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5320MHz

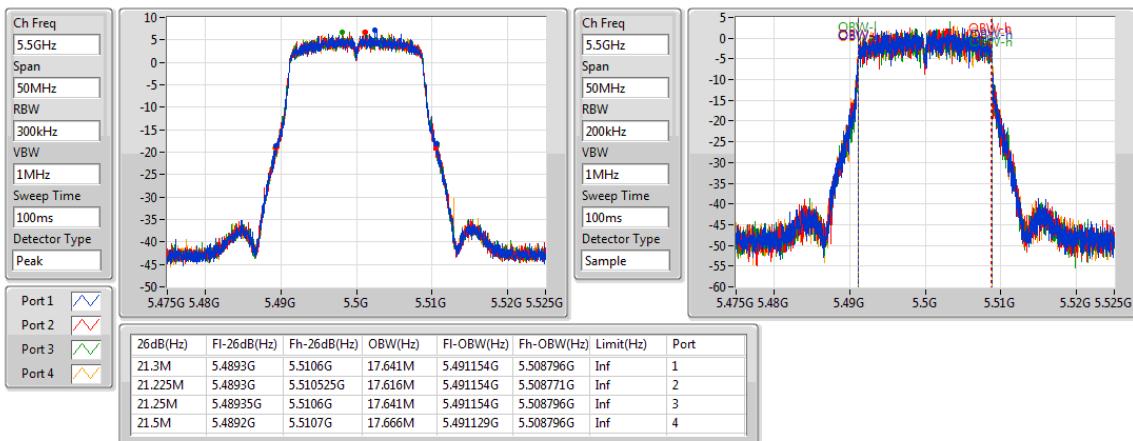




## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

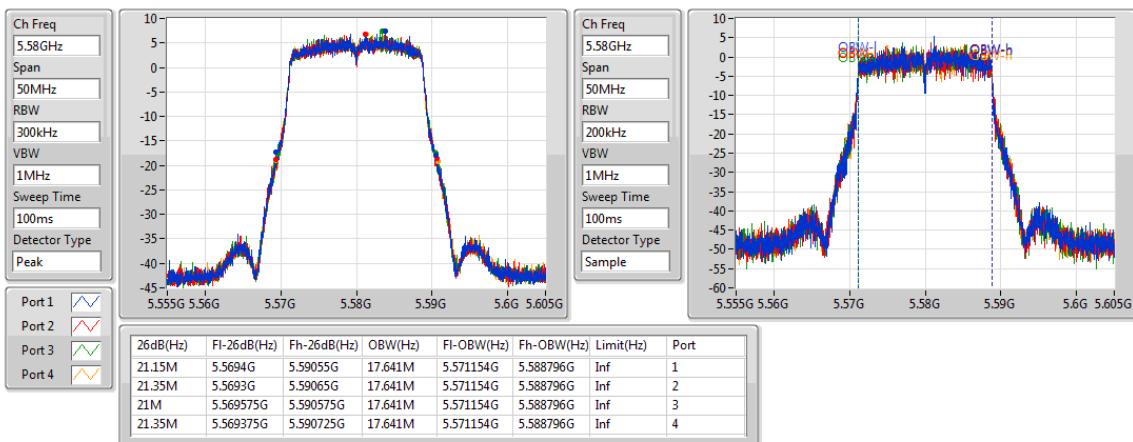
5500MHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

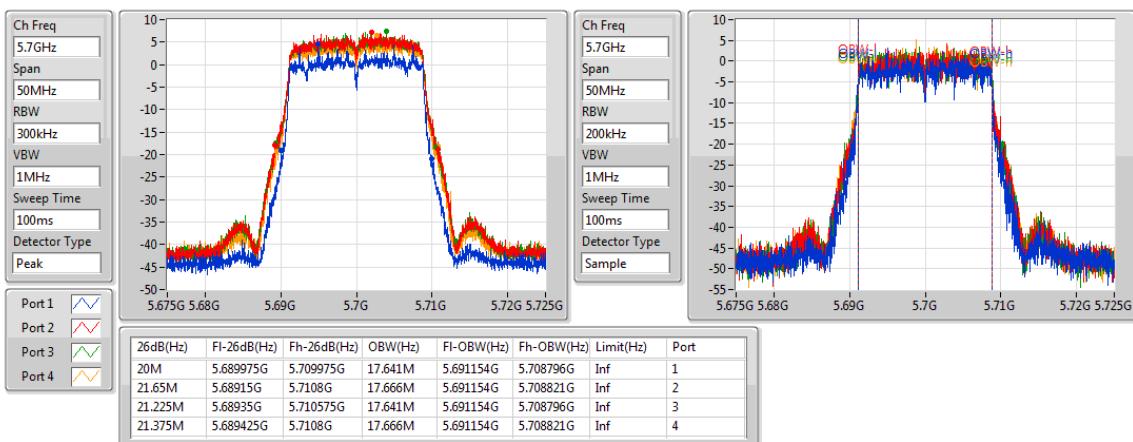
5580MHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5700MHz

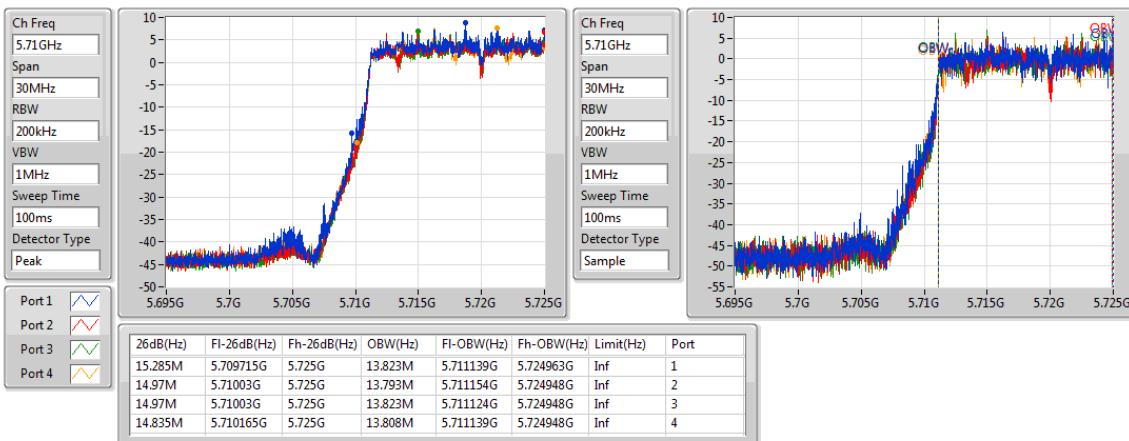




## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

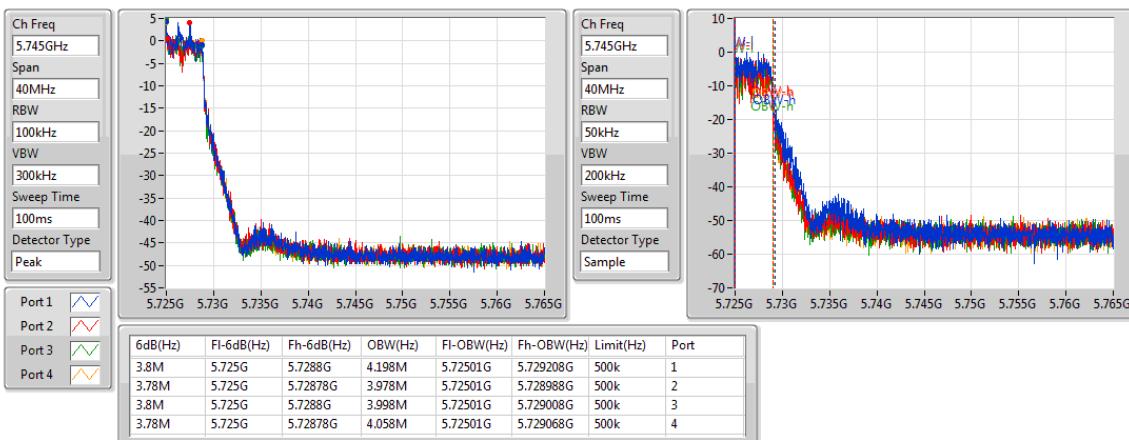
## 5720MHz Straddle 5.47-5.725GHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

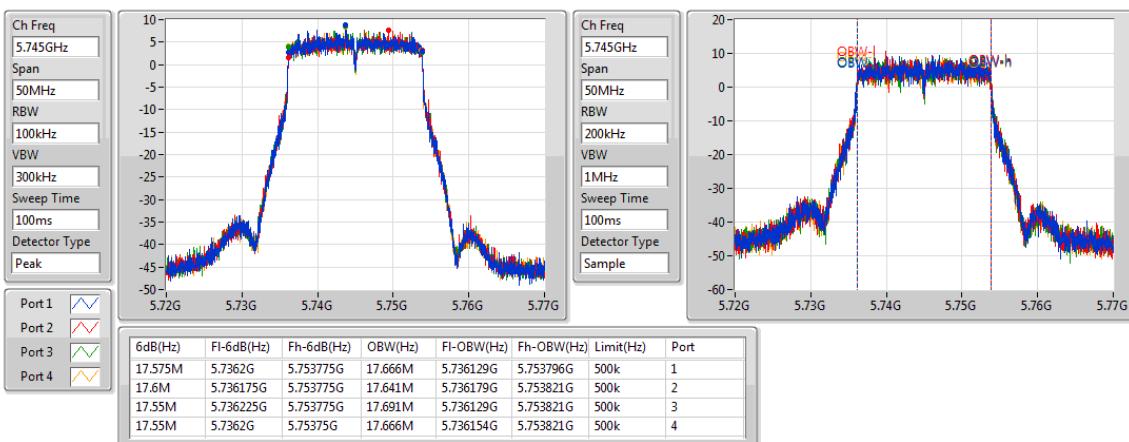
## 5720MHz Straddle 5.725-5.85GHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

## 5745MHz

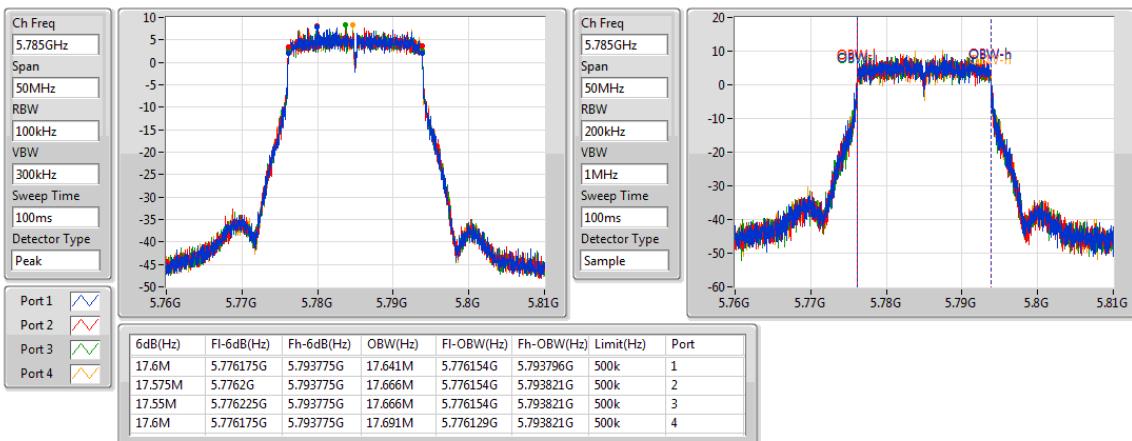




## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

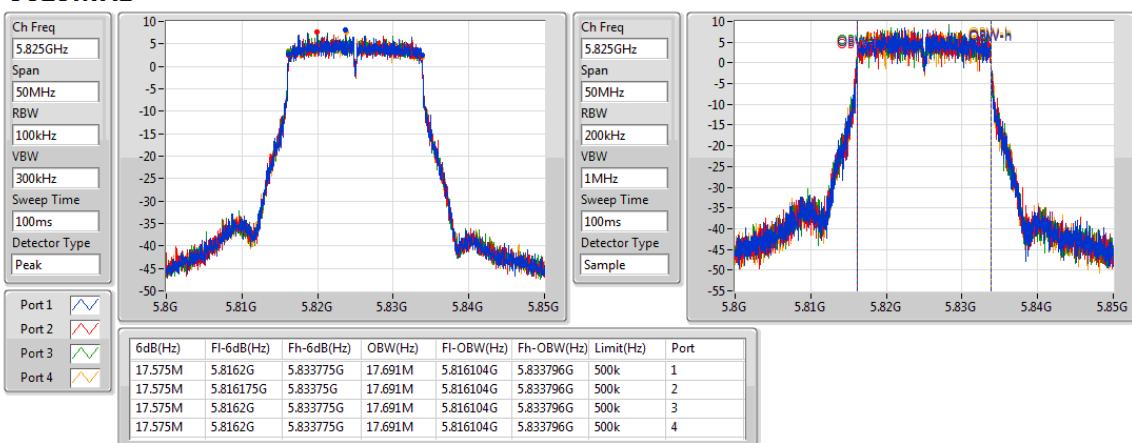
5785MHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

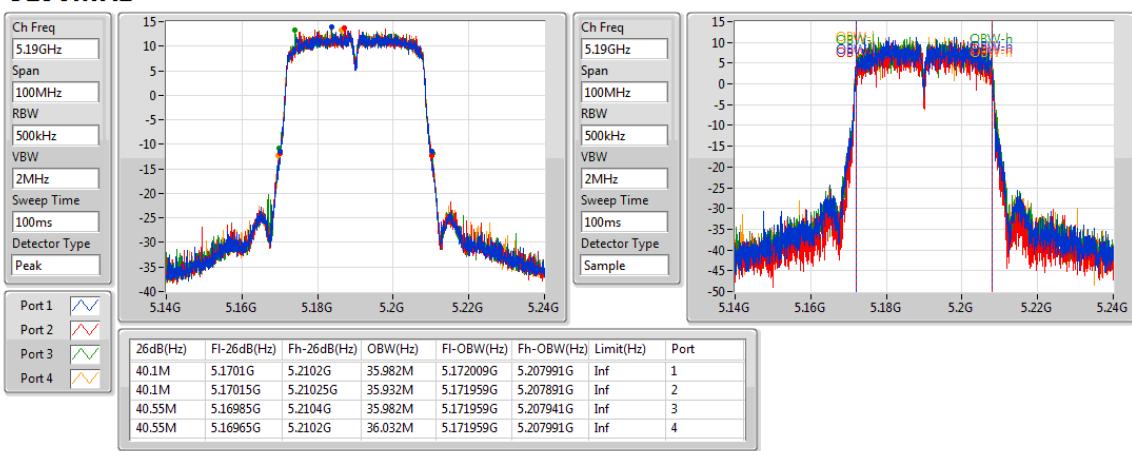
5825MHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5190MHz

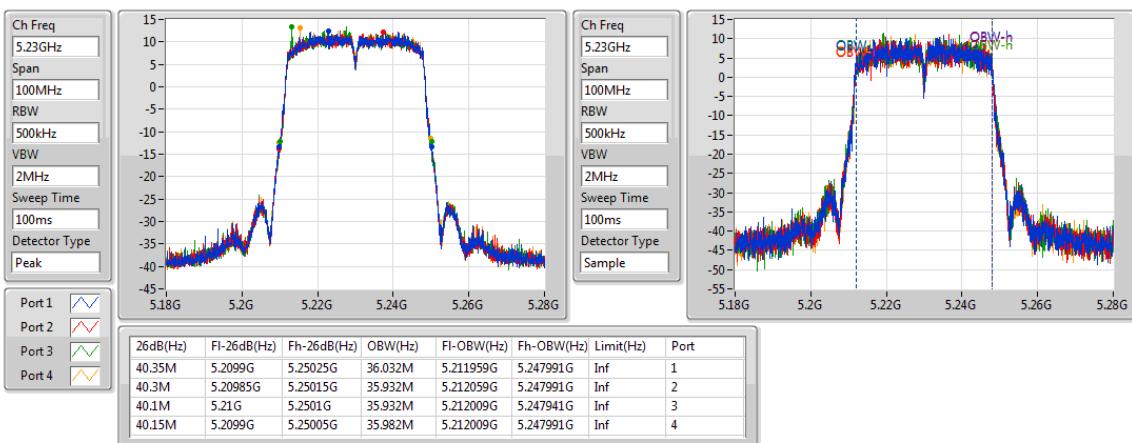




## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

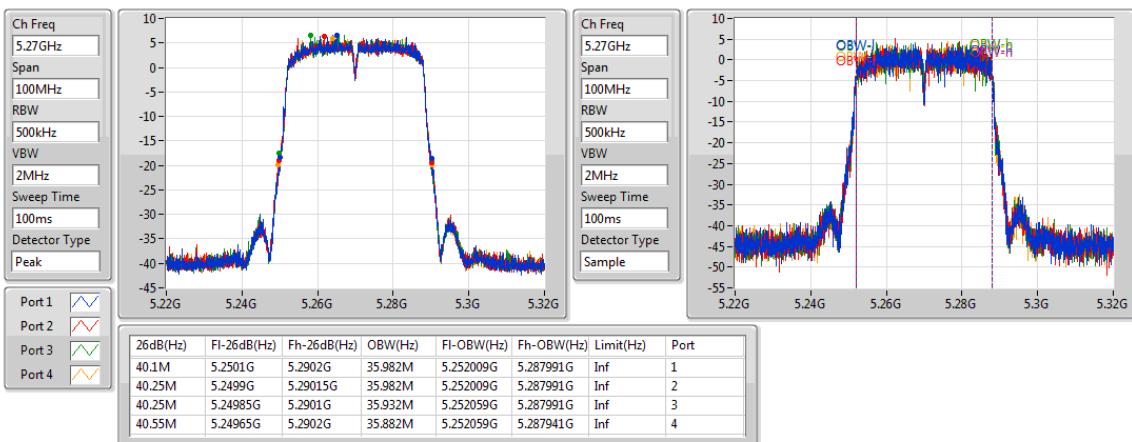
5230MHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

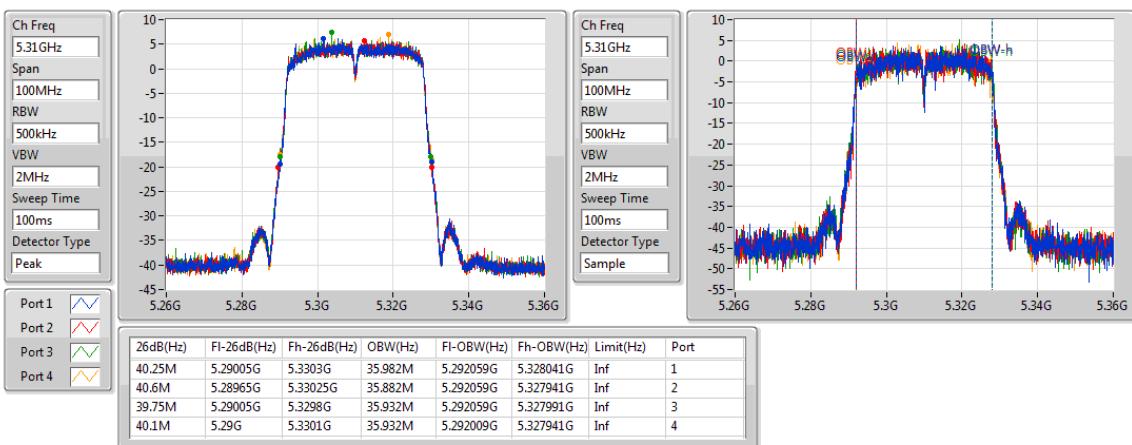
5270MHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5310MHz

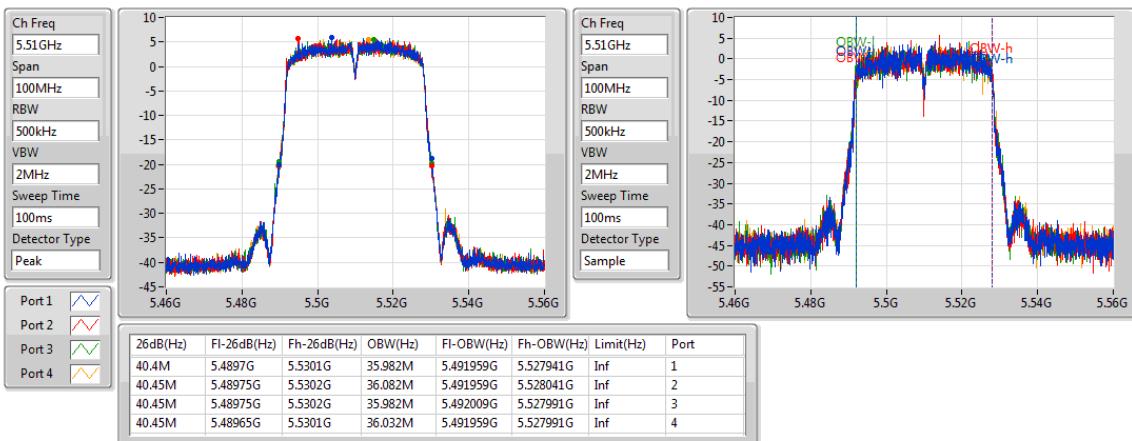




## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5510MHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5550MHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5670MHz

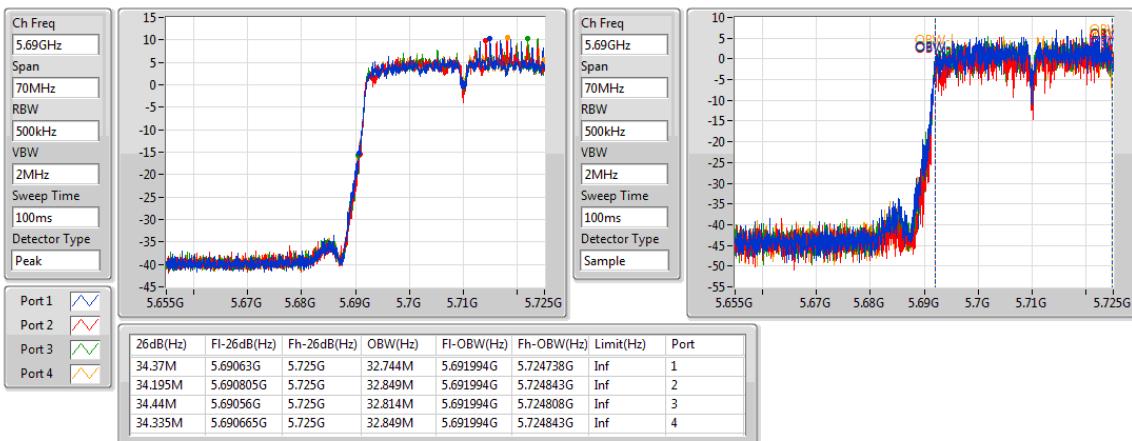




## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

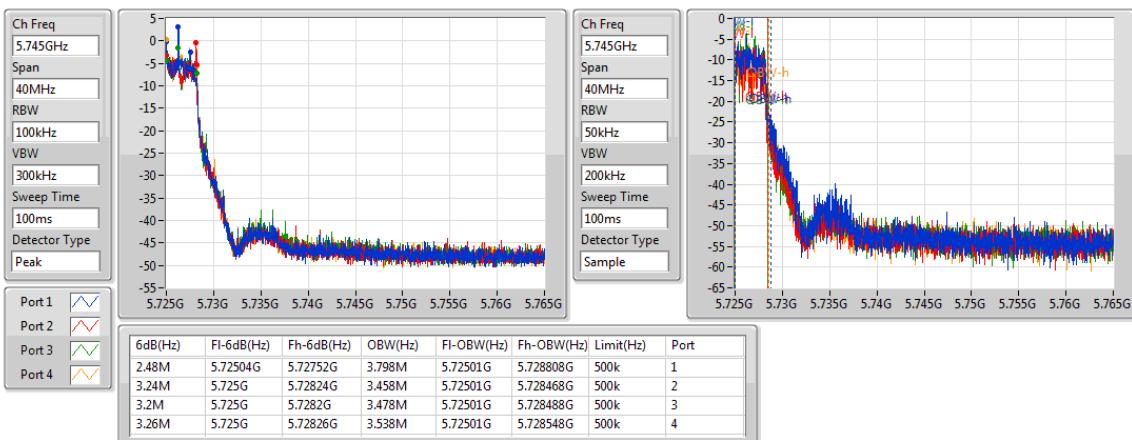
## 5710MHz Straddle 5.47-5.725GHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

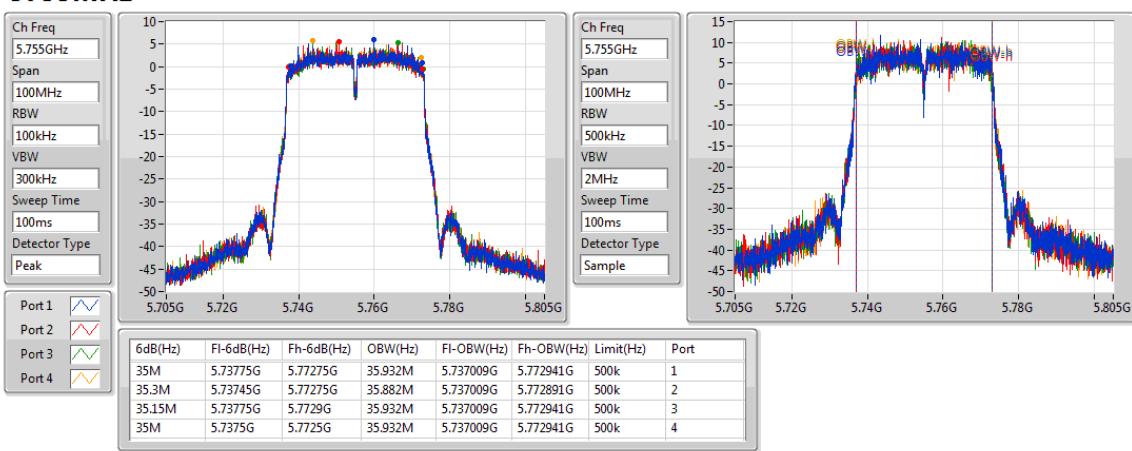
## 5710MHz Straddle 5.725-5.85GHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

## 5755MHz

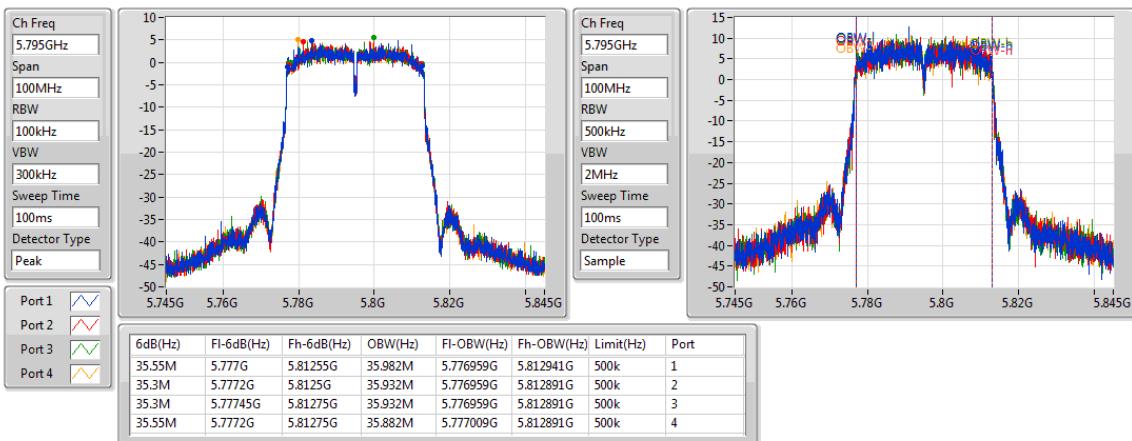




## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

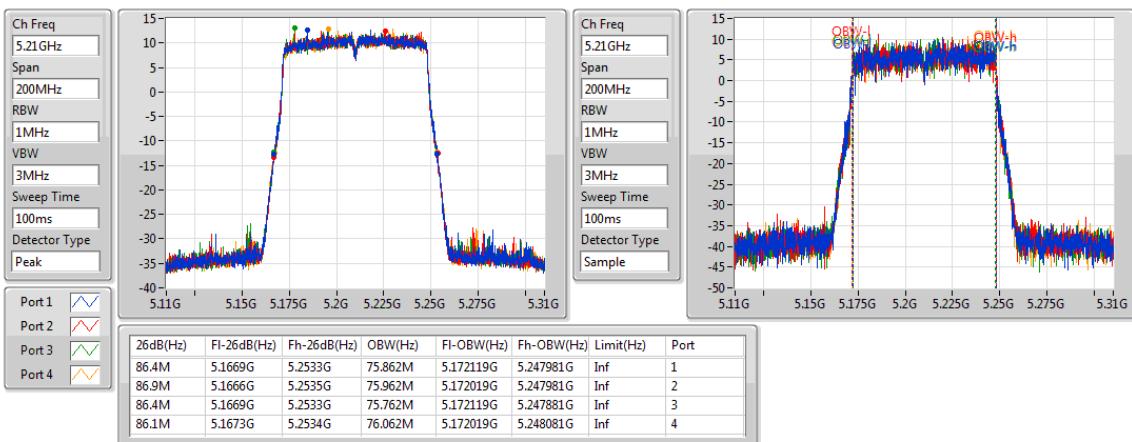
5795MHz



## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

EBW

5210MHz



## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

EBW

5290MHz





## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

EBW

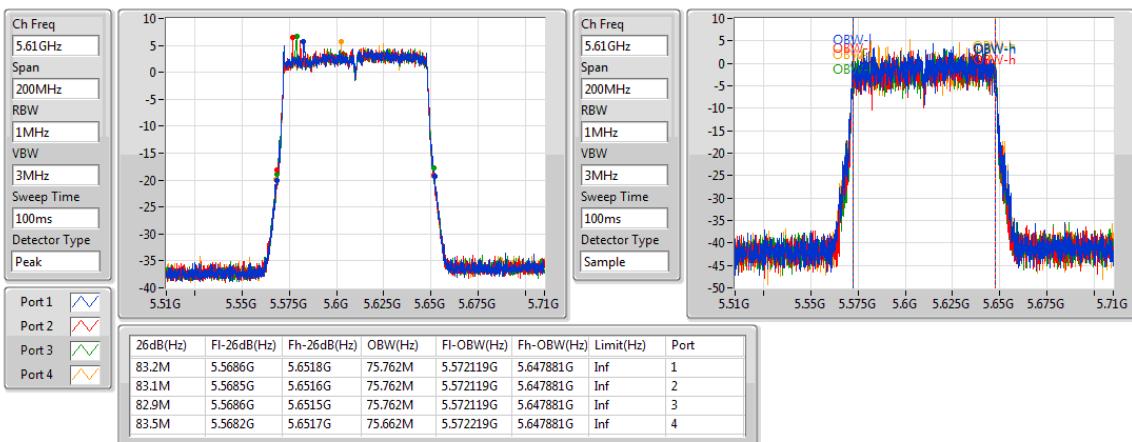
## 5530MHz



## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

EBW

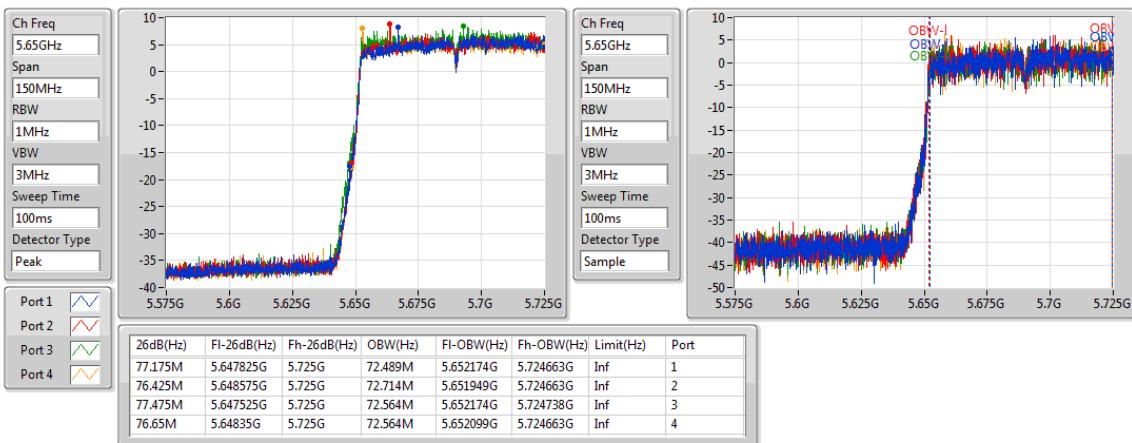
## 5610MHz



## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

EBW

## 5690MHz Straddle 5.47-5.725GHz

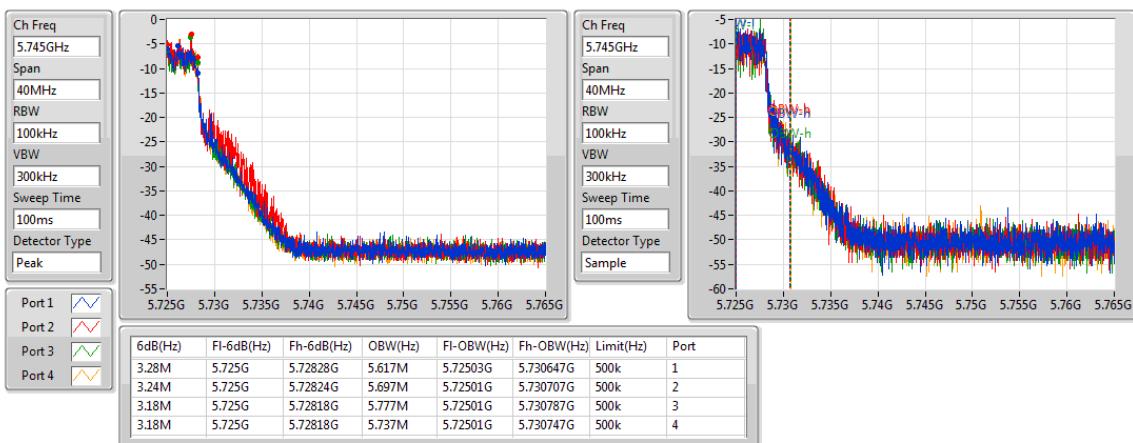




## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

EBW

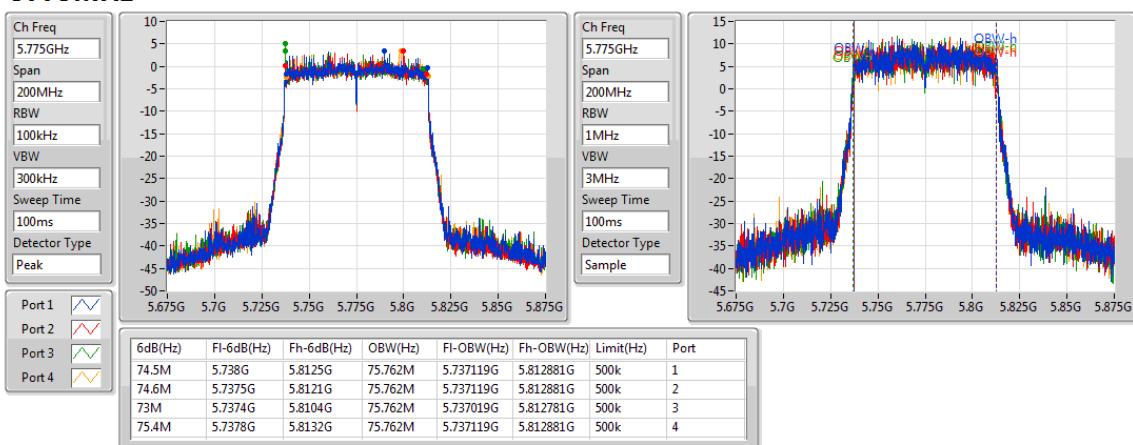
## 5690MHz Straddle 5.725-5.85GHz



## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

EBW

## 5775MHz





## For set 3 antenna / 4T1S

## Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-
5.15-5.25GHz	19.95M	16.442M	16M4D1D	19.3M	16.392M
5.25-5.35GHz	19.9M	16.442M	16M4D1D	19.2M	16.392M
5.47-5.725GHz	19.725M	16.442M	16M4D1D	14.835M	13.133M
5.725-5.85GHz	16.325M	16.442M	16M4D1D	3.14M	3.438M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	20.825M	17.641M	17M6D1D	20.35M	17.591M
5.25-5.35GHz	20.65M	17.641M	17M6D1D	20.35M	17.591M
5.47-5.725GHz	20.625M	17.641M	17M6D1D	15.09M	13.763M
5.725-5.85GHz	17.575M	17.641M	17M6D1D	3.74M	3.958M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	39.95M	36.032M	36M0D1D	39.05M	35.832M
5.25-5.35GHz	40.05M	36.032M	36M0D1D	39.15M	35.832M
5.47-5.725GHz	40.15M	36.032M	36M0D1D	34.58M	32.814M
5.725-5.85GHz	35.1M	36.082M	36M1D1D	3.16M	3.478M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	85.5M	75.862M	75M9D1D	84.6M	75.562M
5.25-5.35GHz	85.7M	75.862M	75M9D1D	84.8M	75.662M
5.47-5.725GHz	86M	75.962M	76M0D1D	77.25M	72.414M
5.725-5.85GHz	75.7M	76.062M	76M1D1D	3.14M	5.557M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	21.975M	17.666M	17M7D1D	19.9M	17.616M
5.25-5.35GHz	21.7M	17.691M	17M7D1D	21.05M	17.616M
5.47-5.725GHz	21.7M	17.716M	17M7D1D	15.495M	13.808M
5.725-5.85GHz	17.675M	17.741M	17M7D1D	3.78M	4.098M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	40.65M	36.182M	36M2D1D	39.55M	35.832M
5.25-5.35GHz	40.5M	36.082M	36M1D1D	39.9M	35.982M
5.47-5.725GHz	40.95M	36.082M	36M1D1D	35.035M	32.779M
5.725-5.85GHz	35.75M	36.132M	36M1D1D	2.74M	3.978M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	84.5M	75.862M	75M9D1D	83.3M	75.462M
5.25-5.35GHz	86.5M	76.162M	76M2D1D	86.1M	75.662M
5.47-5.725GHz	86.8M	76.062M	76M1D1D	77.7M	72.564M
5.725-5.85GHz	76.4M	75.962M	76M0D1D	3.1M	7.096M

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

**Max-OBW** = Maximum 99% occupied bandwidth;

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

**Min-OBW** = Minimum 99% occupied bandwidth;



## Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.95M	16.392M	19.575M	16.417M	19.5M	16.417M	19.325M	16.442M
5200MHz	Pass	Inf	19.6M	16.417M	19.6M	16.392M	19.6M	16.442M	19.85M	16.442M
5240MHz	Pass	Inf	19.575M	16.392M	19.625M	16.417M	19.375M	16.417M	19.3M	16.417M
5260MHz	Pass	Inf	19.625M	16.392M	19.675M	16.442M	19.475M	16.392M	19.9M	16.417M
5300MHz	Pass	Inf	19.75M	16.392M	19.775M	16.417M	19.25M	16.417M	19.825M	16.417M
5320MHz	Pass	Inf	19.55M	16.392M	19.45M	16.392M	19.2M	16.392M	19.725M	16.417M
5500MHz	Pass	Inf	19.6M	16.417M	19.2M	16.442M	19.575M	16.417M	19.4M	16.367M
5580MHz	Pass	Inf	19.6M	16.417M	19.175M	16.417M	19.525M	16.442M	19.475M	16.392M
5700MHz	Pass	Inf	19.725M	16.417M	19.55M	16.417M	19.225M	16.417M	19.7M	16.417M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.015M	13.163M	14.895M	13.163M	14.835M	13.193M	14.865M	13.133M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.498M	3.16M	3.438M	3.14M	3.478M	3.24M	3.498M
5745MHz	Pass	500k	16.325M	16.417M	16.325M	16.417M	16.3M	16.392M	16.325M	16.392M
5785MHz	Pass	500k	16.325M	16.417M	16.325M	16.417M	16.3M	16.392M	16.3M	16.442M
5825MHz	Pass	500k	16.325M	16.417M	16.025M	16.417M	16.275M	16.392M	16.325M	16.392M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.825M	17.641M	20.625M	17.616M	20.5M	17.616M	20.4M	17.616M
5200MHz	Pass	Inf	20.525M	17.641M	20.625M	17.616M	20.625M	17.591M	20.35M	17.591M
5240MHz	Pass	Inf	20.475M	17.591M	20.375M	17.616M	20.625M	17.591M	20.5M	17.616M
5260MHz	Pass	Inf	20.45M	17.591M	20.575M	17.591M	20.575M	17.591M	20.375M	17.641M
5300MHz	Pass	Inf	20.475M	17.591M	20.475M	17.616M	20.65M	17.591M	20.525M	17.641M
5320MHz	Pass	Inf	20.475M	17.641M	20.625M	17.641M	20.55M	17.591M	20.35M	17.641M
5500MHz	Pass	Inf	20.575M	17.591M	20.475M	17.616M	20.525M	17.616M	20.35M	17.591M
5580MHz	Pass	Inf	20.45M	17.616M	20.375M	17.591M	20.625M	17.616M	20.275M	17.591M
5700MHz	Pass	Inf	20.475M	17.591M	20.55M	17.616M	20.55M	17.641M	20.475M	17.591M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.105M	13.808M	15.09M	13.778M	15.195M	13.778M	15.195M	13.763M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.88M	3.958M	3.74M	3.998M	3.78M	3.958M	3.76M	3.958M
5745MHz	Pass	500k	17.55M	17.616M	17.575M	17.616M	17.525M	17.591M	17.575M	17.591M
5785MHz	Pass	500k	17.55M	17.616M	17.55M	17.641M	17.15M	17.591M	17.55M	17.641M
5825MHz	Pass	500k	17.525M	17.616M	17.575M	17.591M	17.55M	17.616M	17.525M	17.641M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.95M	36.032M	39.55M	35.882M	39.4M	35.982M	39.05M	35.832M
5230MHz	Pass	Inf	39.75M	35.882M	39.6M	35.882M	39.65M	35.982M	39.1M	35.882M
5270MHz	Pass	Inf	39.95M	35.982M	39.8M	35.932M	39.65M	35.882M	39.2M	35.932M
5310MHz	Pass	Inf	40.05M	35.932M	39.8M	35.832M	39.8M	36.032M	39.15M	35.982M
5510MHz	Pass	Inf	39.65M	35.932M	39.65M	35.982M	39.55M	35.932M	39.35M	36.032M
5550MHz	Pass	Inf	39.9M	35.932M	39.85M	36.032M	39.55M	35.982M	39.2M	35.932M
5670MHz	Pass	Inf	40.15M	36.032M	40.1M	36.032M	39.75M	35.982M	39.3M	35.982M

**FCC Test Report****Report No. : FR760624AB**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.86M	32.814M	34.86M	32.849M	34.755M	32.849M	34.58M	32.884M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.538M	3.16M	3.498M	3.16M	3.498M	3.16M	3.478M
5755MHz	Pass	500k	35.05M	35.982M	35.05M	36.032M	35.1M	35.982M	35.05M	35.932M
5795MHz	Pass	500k	33.7M	35.982M	34M	35.982M	35.05M	36.082M	32.8M	35.932M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	84.6M	75.762M	84.6M	75.862M	84.9M	75.762M	85.5M	75.562M
5290MHz	Pass	Inf	85.2M	75.762M	84.8M	75.662M	85.1M	75.862M	85.7M	75.762M
5530MHz	Pass	Inf	85.2M	75.862M	84.6M	75.862M	85.2M	75.762M	86M	75.762M
5610MHz	Pass	Inf	84.8M	75.762M	84.8M	75.962M	85M	75.862M	85.7M	75.862M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.325M	72.564M	77.25M	72.489M	77.475M	72.489M	77.7M	72.414M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	5.577M	3.16M	5.557M	3.14M	5.737M	3.16M	5.597M
5775MHz	Pass	500k	75.3M	75.662M	75.4M	75.862M	75.7M	76.062M	75M	75.862M
802.11ac VHT20-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.35M	17.641M	21.125M	17.641M	21.8M	17.641M	21.325M	17.641M
5200MHz	Pass	Inf	19.9M	17.616M	21.375M	17.641M	21.25M	17.666M	21.175M	17.666M
5240MHz	Pass	Inf	21.325M	17.641M	21.35M	17.641M	21.075M	17.666M	21.975M	17.641M
5260MHz	Pass	Inf	21.4M	17.666M	21.225M	17.641M	21.275M	17.641M	21.35M	17.691M
5300MHz	Pass	Inf	21.7M	17.666M	21.05M	17.616M	21.525M	17.666M	21.25M	17.666M
5320MHz	Pass	Inf	21.4M	17.666M	21.6M	17.666M	21.55M	17.641M	21.225M	17.666M
5500MHz	Pass	Inf	21.55M	17.641M	20.875M	17.666M	21.275M	17.666M	21.2M	17.666M
5580MHz	Pass	Inf	21.475M	17.691M	21.25M	17.666M	21.35M	17.666M	21.125M	17.666M
5700MHz	Pass	Inf	21.3M	17.666M	21.525M	17.666M	21.275M	17.691M	21.7M	17.716M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.675M	13.838M	15.495M	13.823M	15.555M	13.808M	15.57M	13.808M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	4.098M	3.78M	4.138M	3.86M	4.218M	3.78M	4.218M
5745MHz	Pass	500k	17.575M	17.691M	17.6M	17.666M	17.575M	17.691M	17.55M	17.666M
5785MHz	Pass	500k	17.575M	17.641M	17.55M	17.691M	17.6M	17.666M	17.575M	17.666M
5825MHz	Pass	500k	17.65M	17.666M	17.65M	17.691M	17.625M	17.716M	17.675M	17.741M
802.11ac VHT40-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.55M	35.982M	39.65M	35.982M	39.6M	35.932M	40.4M	35.832M
5230MHz	Pass	Inf	39.9M	36.182M	40.35M	36.032M	40.65M	36.032M	40.65M	36.082M
5270MHz	Pass	Inf	39.9M	35.982M	40.2M	36.032M	40.4M	36.032M	40.25M	35.982M
5310MHz	Pass	Inf	40.4M	36.032M	40.5M	35.982M	40.25M	35.982M	40.45M	36.082M
5510MHz	Pass	Inf	39.95M	35.982M	40.3M	35.932M	40.2M	35.982M	40.6M	35.982M
5550MHz	Pass	Inf	40.3M	35.982M	40M	36.082M	40.25M	36.032M	40.15M	35.982M
5670MHz	Pass	Inf	40.95M	36.032M	39.95M	36.032M	40.25M	36.032M	40.35M	35.982M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.035M	32.884M	35.035M	32.849M	35.315M	32.849M	35.07M	32.779M

**FCC Test Report****Report No. : FR760624AB**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.04M	4.118M	2.74M	4.018M	3.18M	3.978M	3.2M	4.018M
5755MHz	Pass	500k	34.9M	35.932M	34.85M	35.932M	35.3M	35.932M	33.45M	36.132M
5795MHz	Pass	500k	35.4M	36.132M	35.75M	36.082M	35.4M	36.032M	35.55M	36.032M
802.11ac VHT80-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	83.7M	75.462M	83.3M	75.562M	83.7M	75.862M	84.5M	75.762M
5290MHz	Pass	Inf	86.1M	75.762M	86.2M	75.662M	86.5M	76.062M	86.1M	76.162M
5530MHz	Pass	Inf	86.4M	75.862M	86.5M	75.862M	86.1M	75.962M	86.7M	75.962M
5610MHz	Pass	Inf	86.8M	75.962M	86.8M	76.062M	86.5M	75.962M	86.6M	76.062M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.7M	72.564M	78.15M	72.639M	78.675M	72.639M	77.7M	72.639M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	7.136M	3.2M	7.096M	3.18M	7.236M	3.1M	7.156M
5775MHz	Pass	500k	76M	75.862M	75.2M	75.862M	75.9M	75.962M	76.4M	75.762M

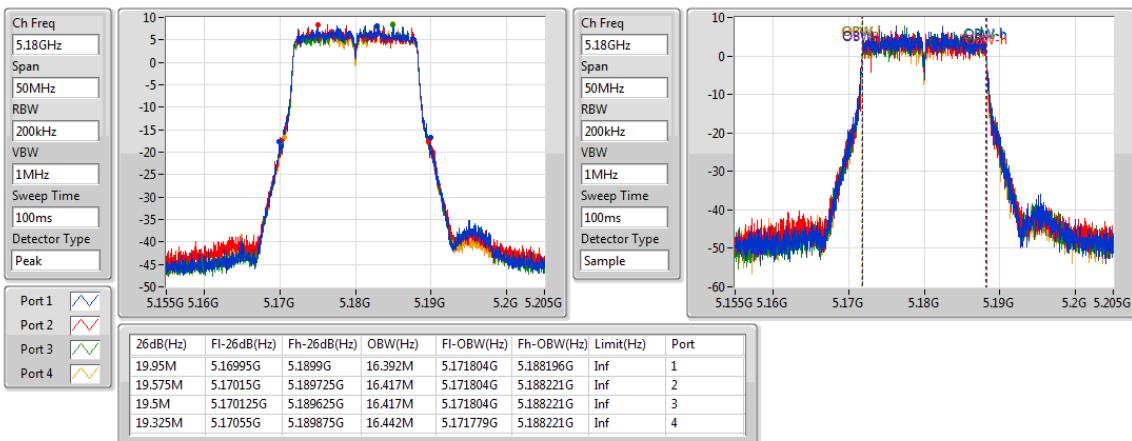
**Port X-N dB** = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band**Port X-OBW** = Port X 99% occupied bandwidth;



## 802.11a\_(6Mbps)\_4TX

EBW

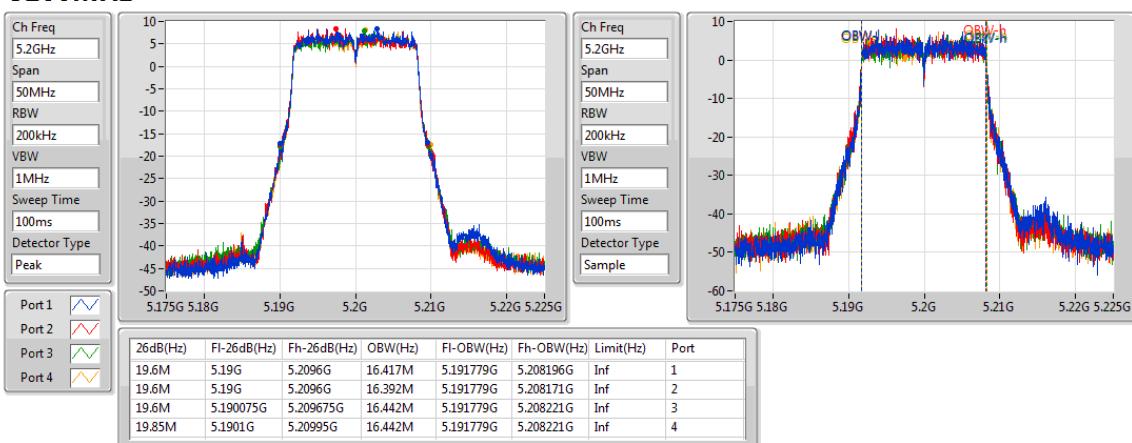
5180MHz



## 802.11a\_(6Mbps)\_4TX

EBW

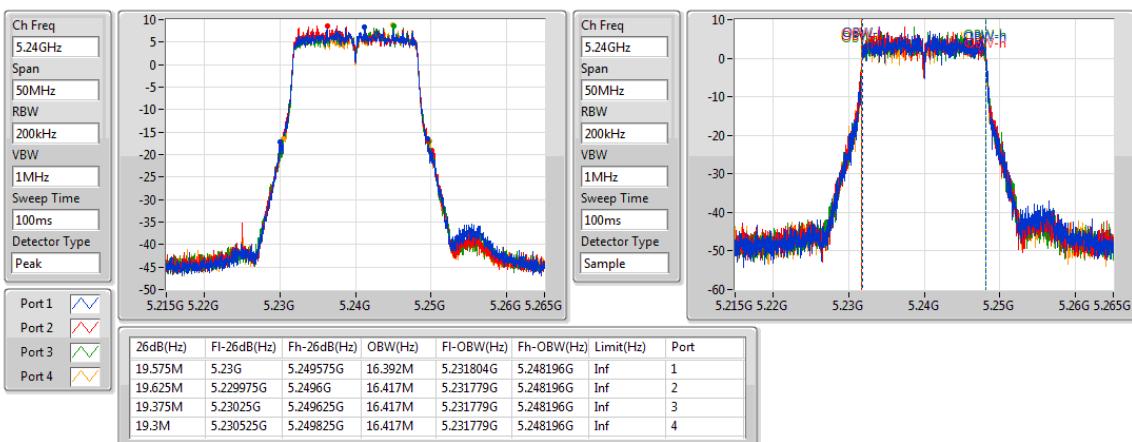
5200MHz



## 802.11a\_(6Mbps)\_4TX

EBW

5240MHz

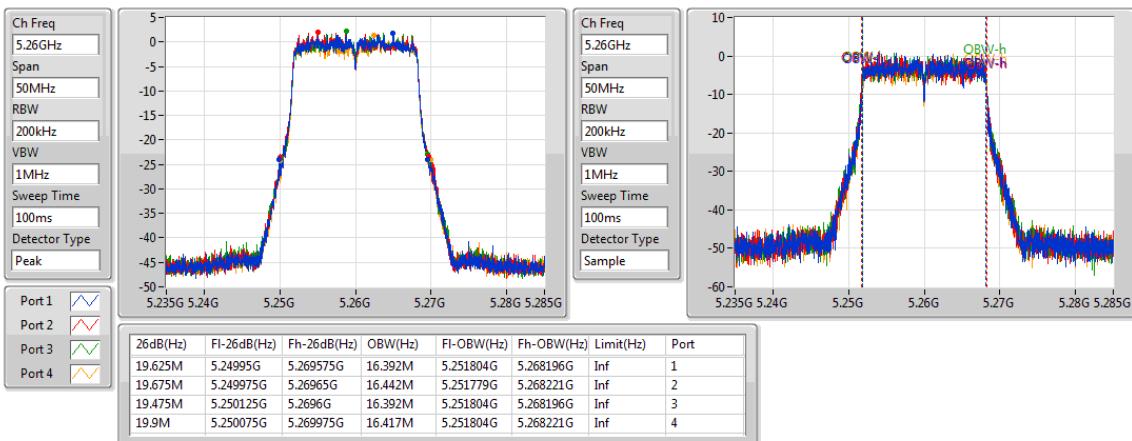




## 802.11a\_(6Mbps)\_4TX

EBW

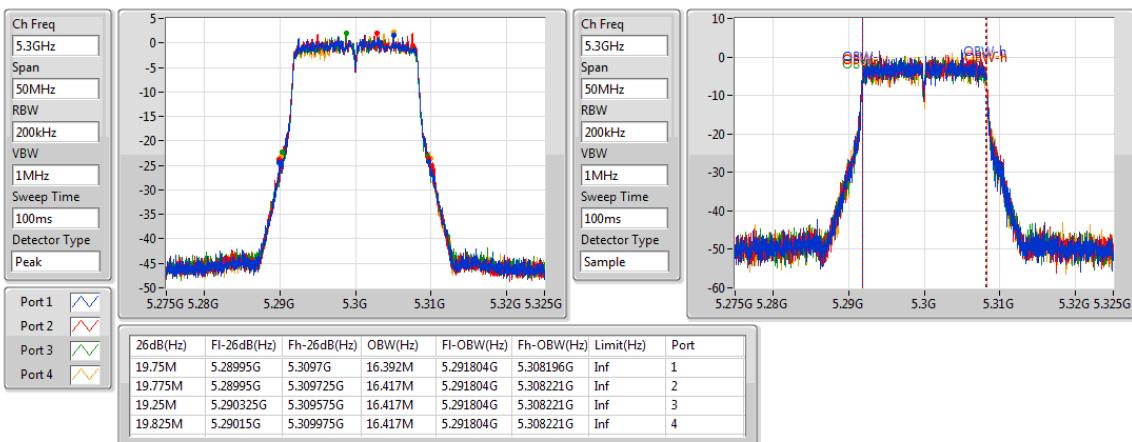
## 5260MHz



## 802.11a\_(6Mbps)\_4TX

EBW

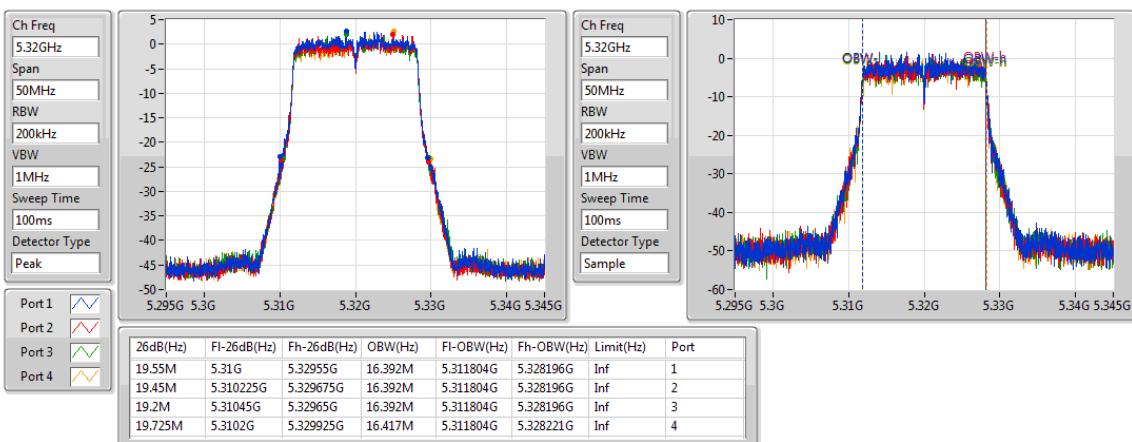
## 5300MHz



## 802.11a\_(6Mbps)\_4TX

EBW

## 5320MHz

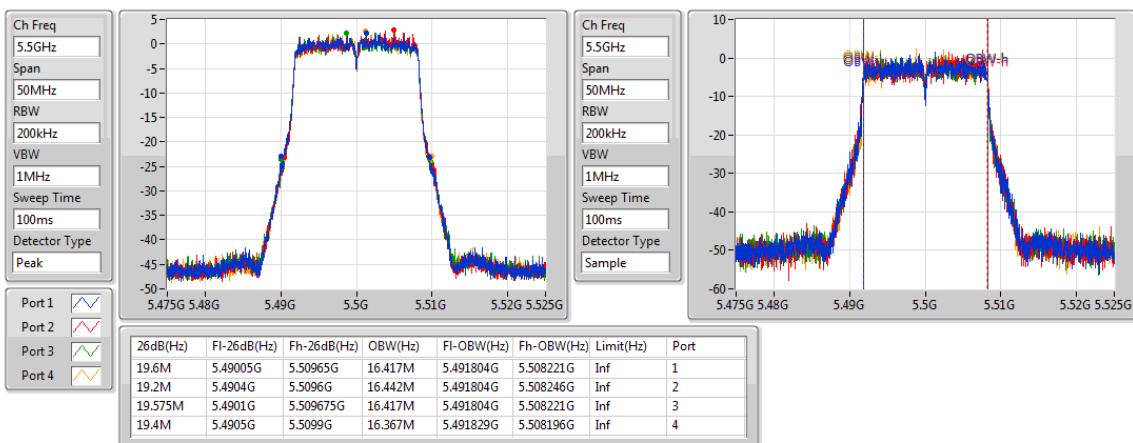




## 802.11a\_(6Mbps)\_4TX

EBW

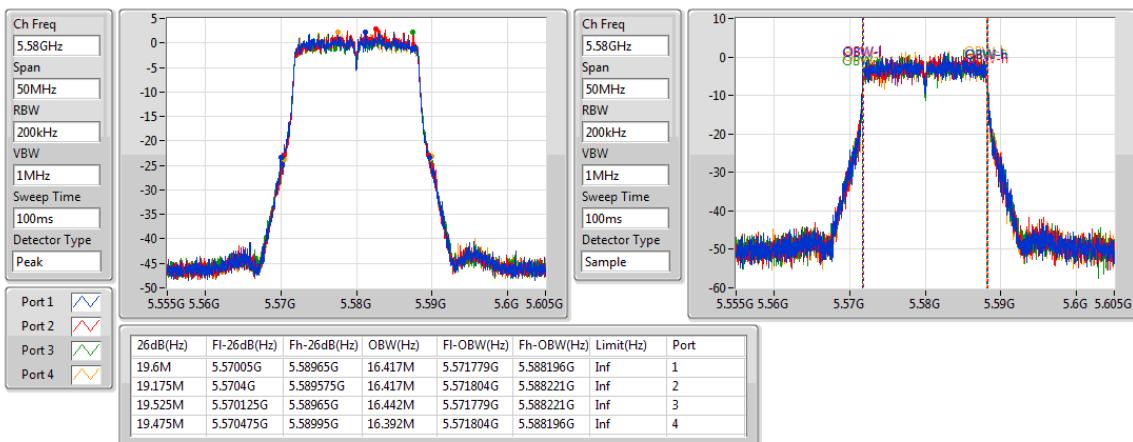
## 5500MHz



## 802.11a\_(6Mbps)\_4TX

EBW

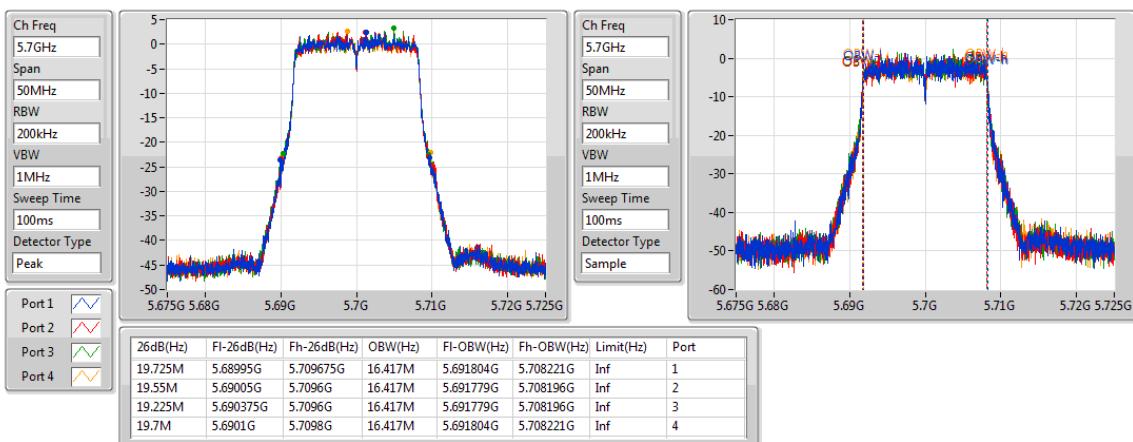
## 5580MHz



## 802.11a\_(6Mbps)\_4TX

EBW

## 5700MHz

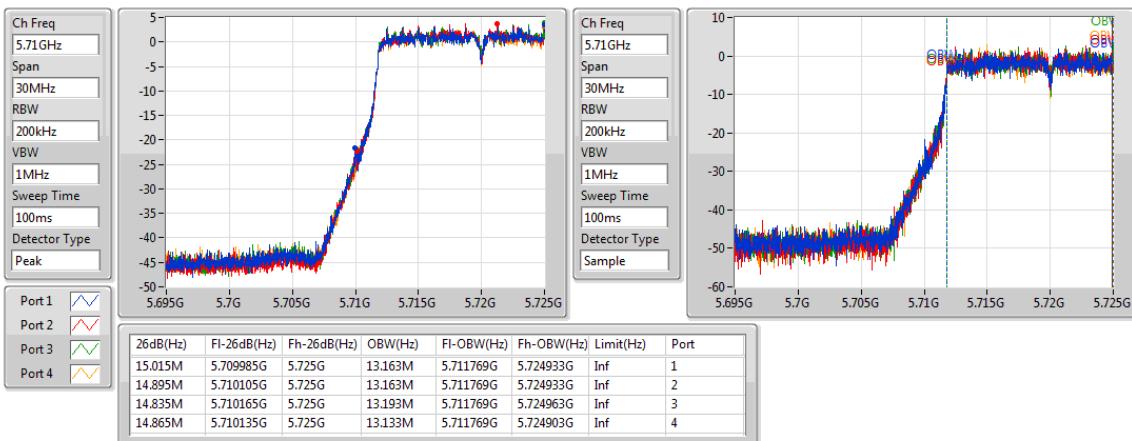




## 802.11a\_(6Mbps)\_4TX

EBW

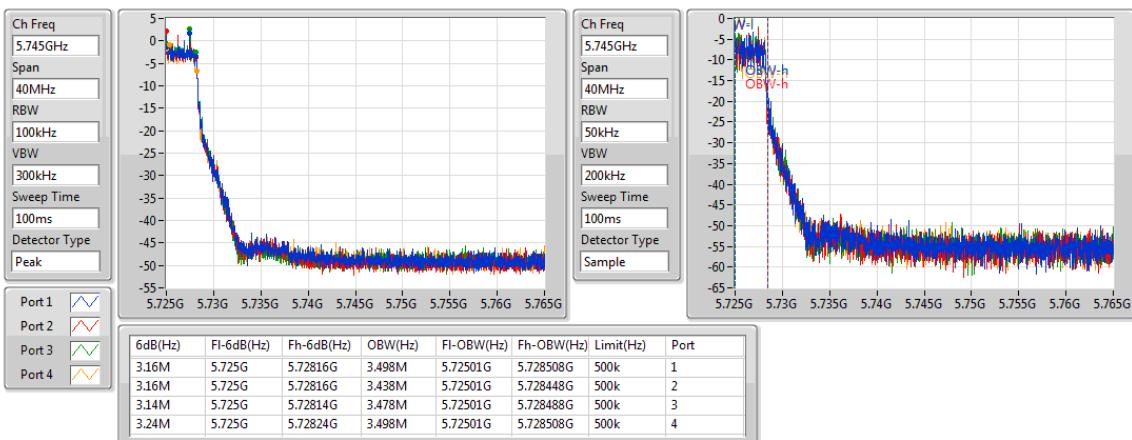
## 5720MHz Straddle 5.47-5.725GHz



## 802.11a\_(6Mbps)\_4TX

EBW

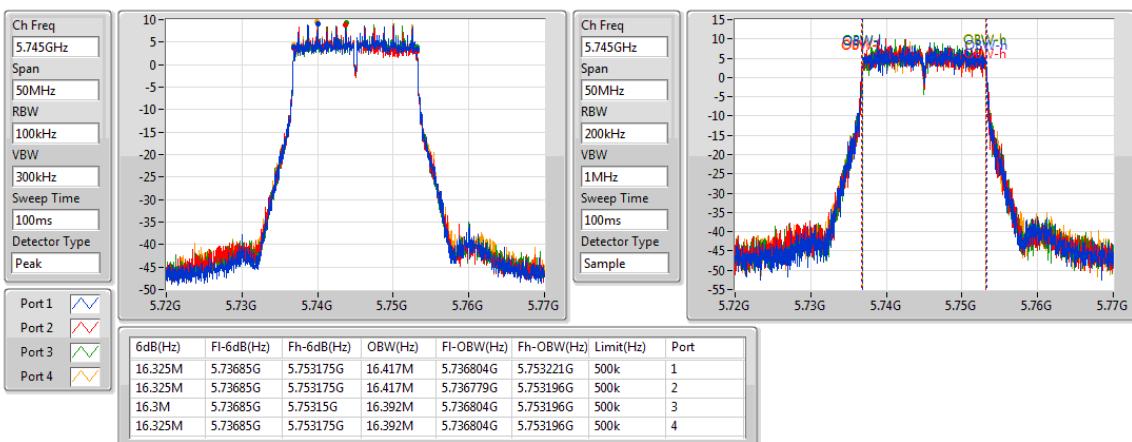
## 5720MHz Straddle 5.725-5.85GHz



## 802.11a\_(6Mbps)\_4TX

EBW

## 5745MHz

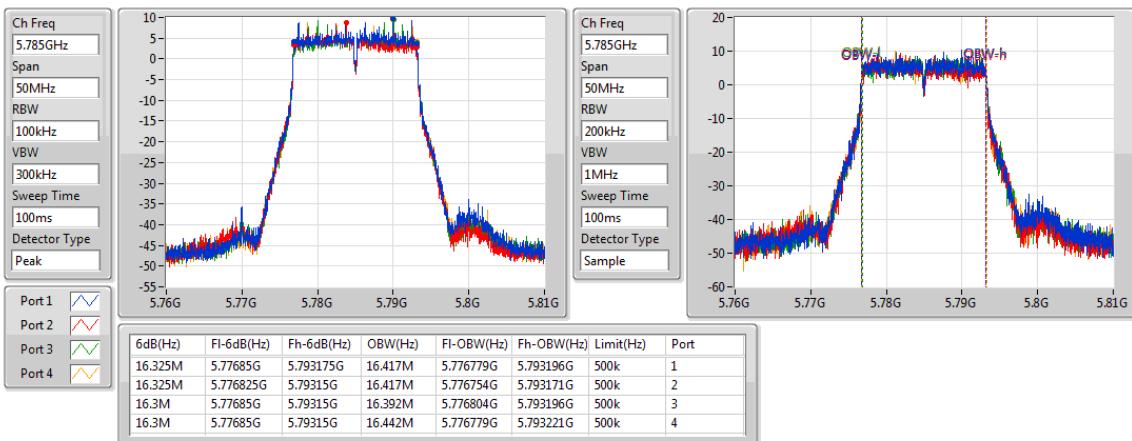




## 802.11a\_(6Mbps)\_4TX

EBW

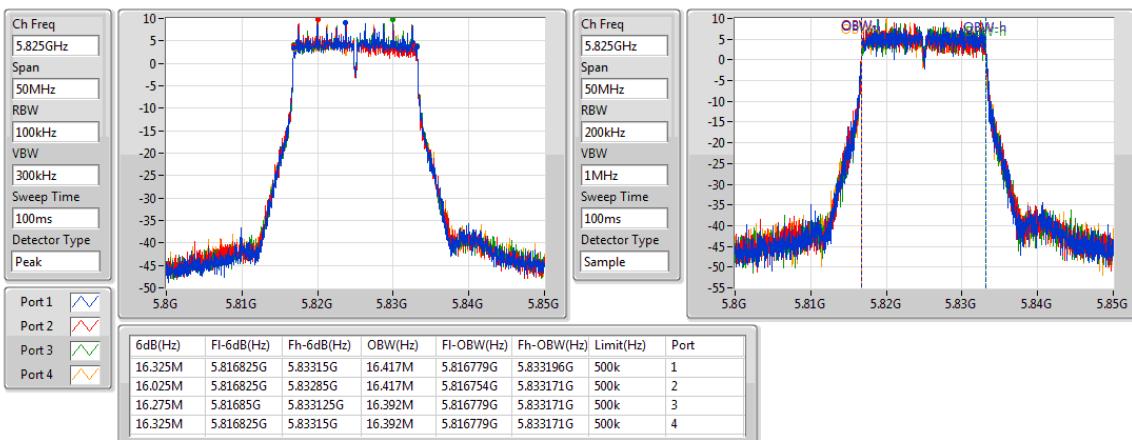
5785MHz



## 802.11a\_(6Mbps)\_4TX

EBW

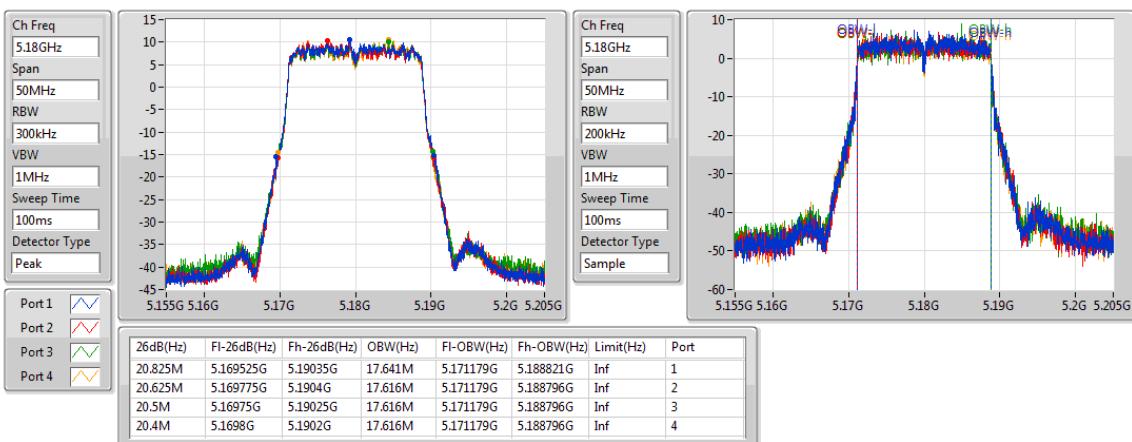
5825MHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5180MHz

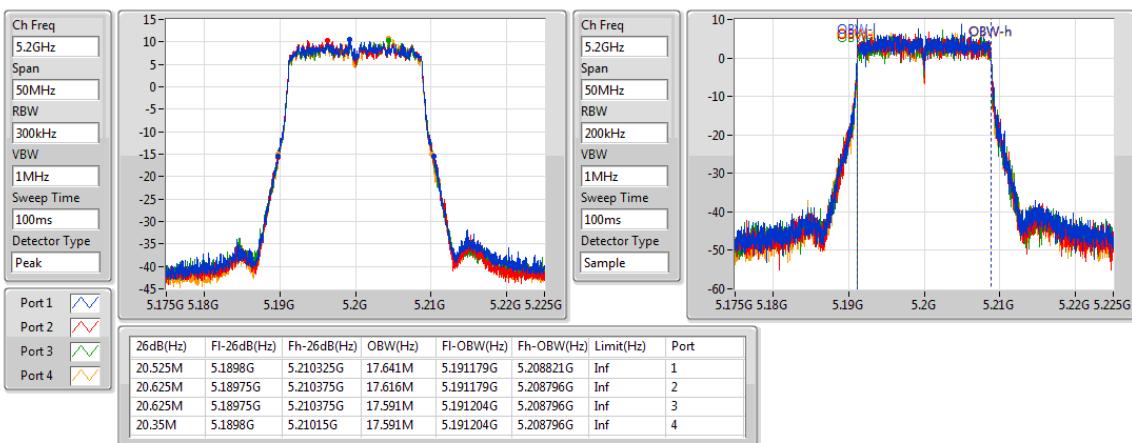




## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

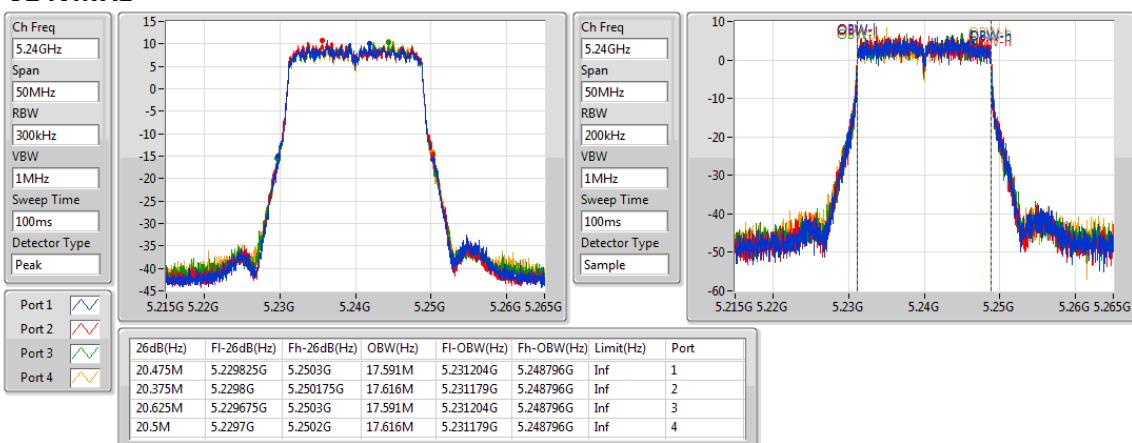
5200MHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

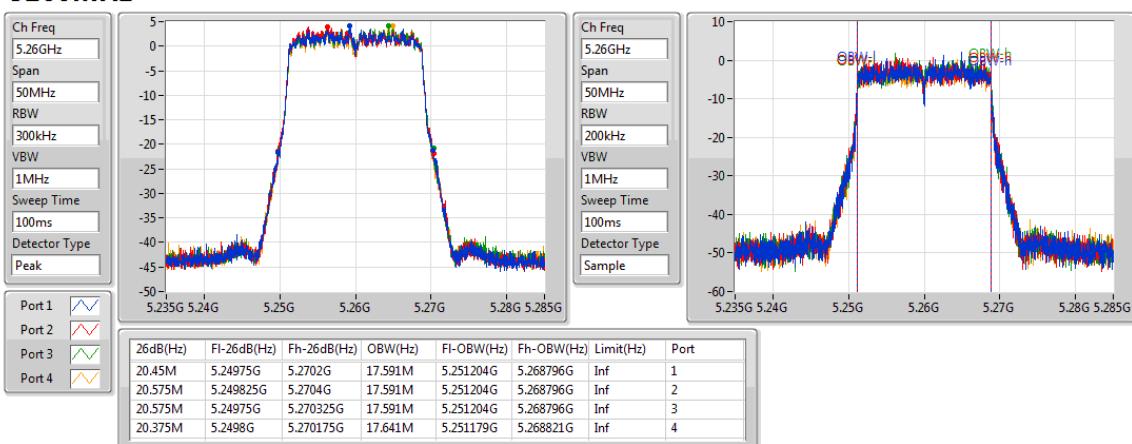
5240MHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5260MHz

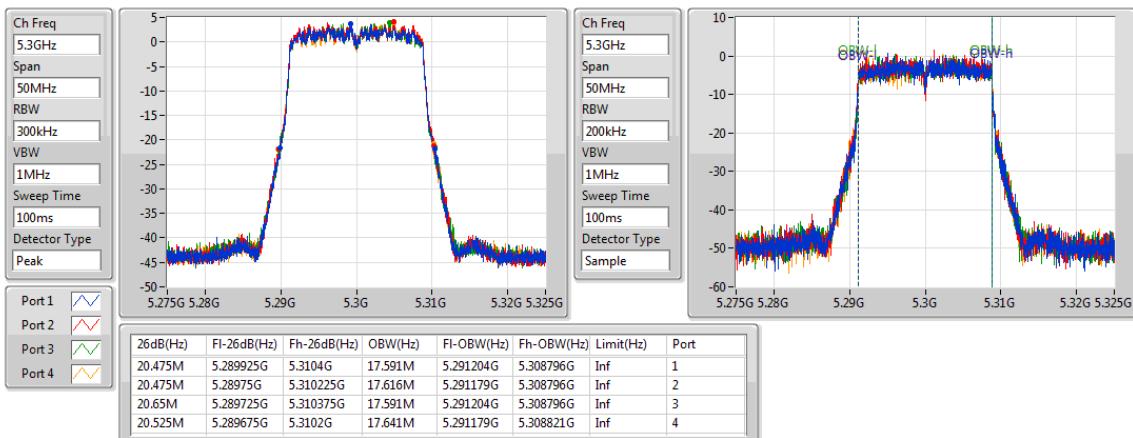




## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

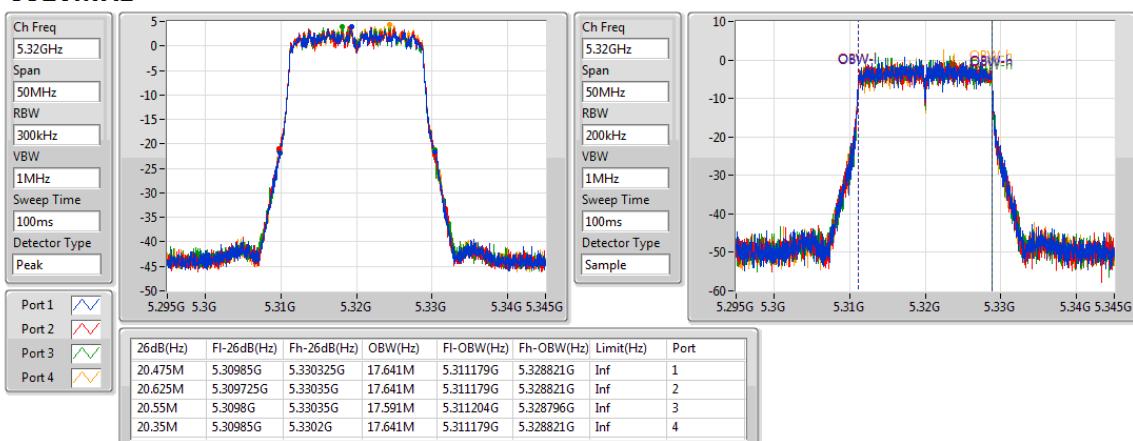
5300MHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

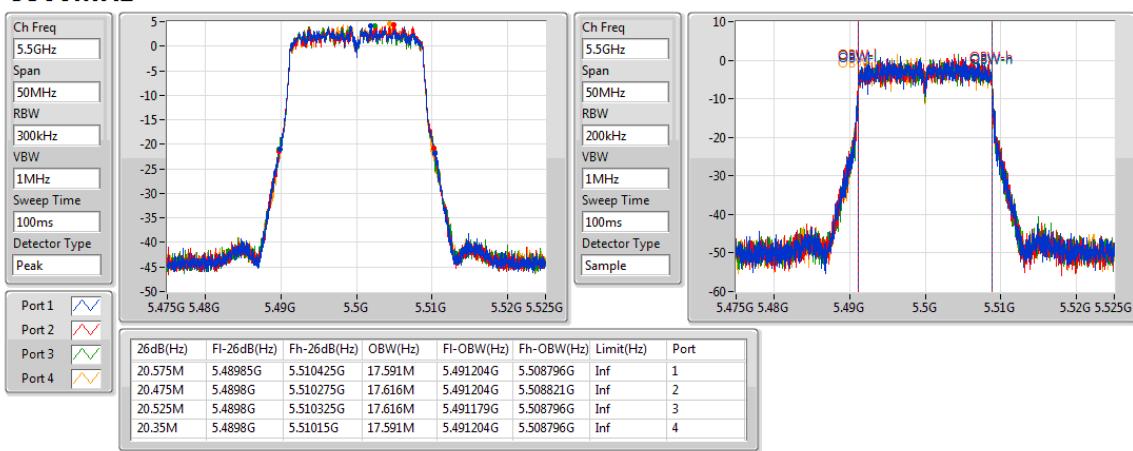
5320MHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5500MHz

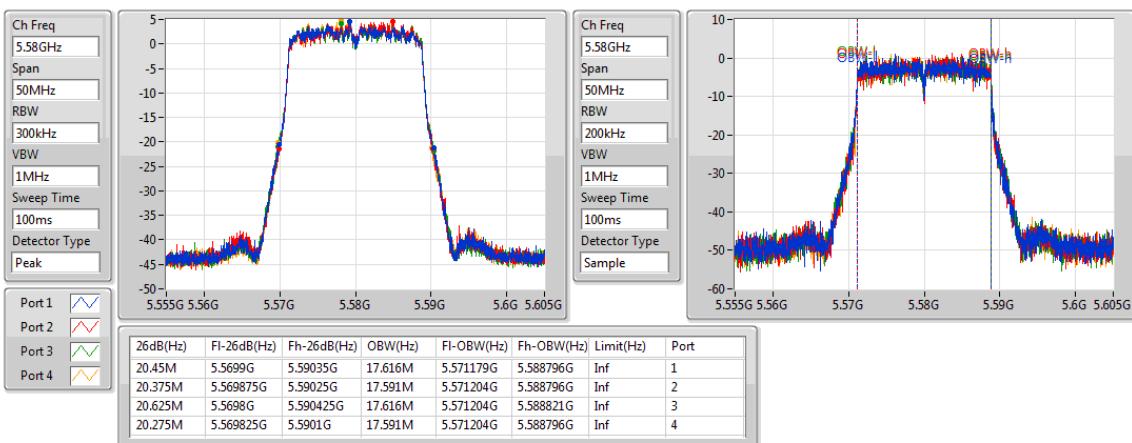




## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

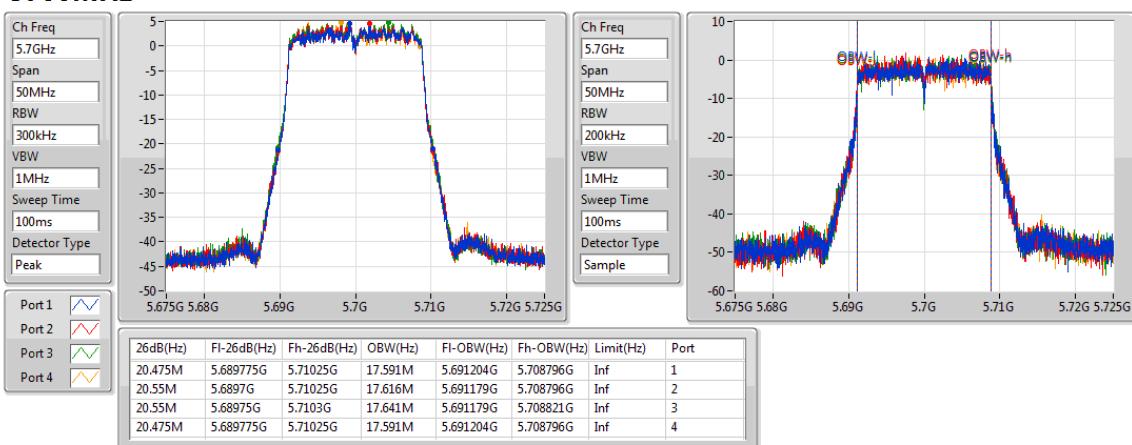
5580MHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

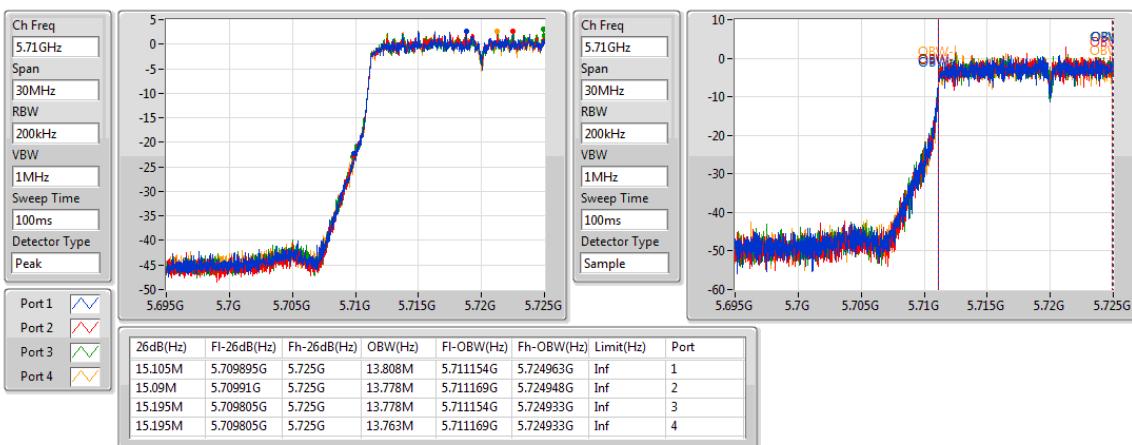
5700MHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

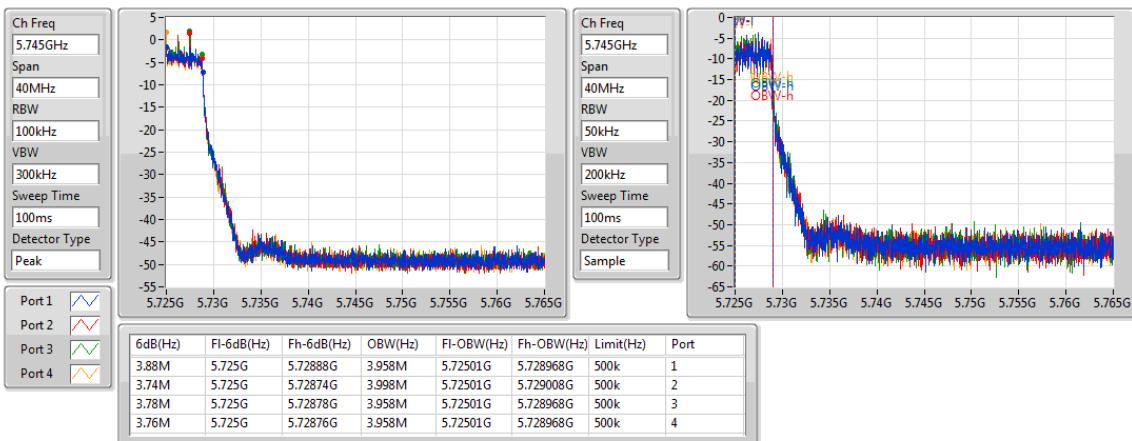




## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

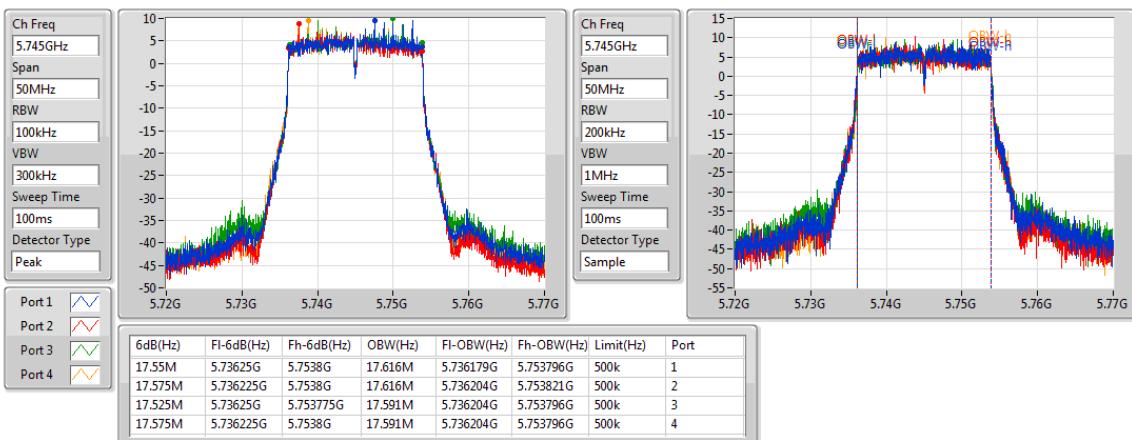
## 5720MHz Straddle 5.725-5.85GHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

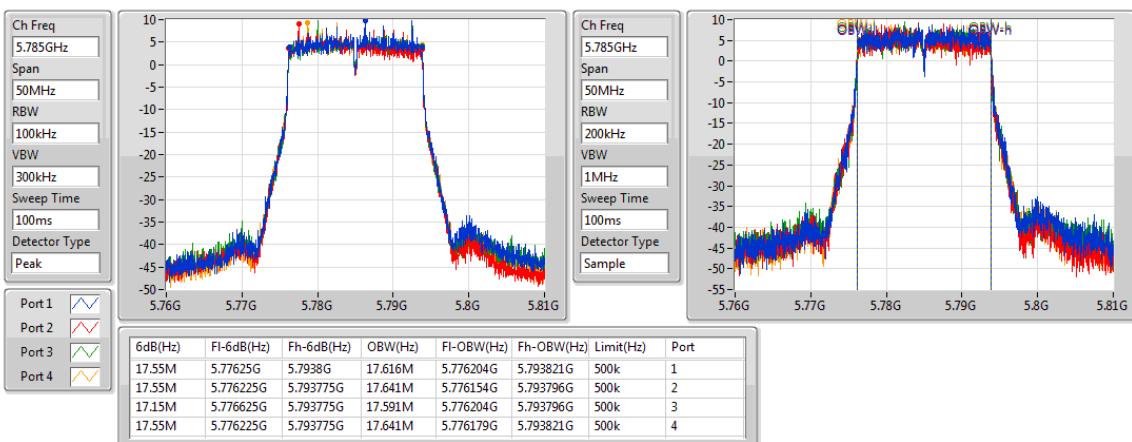
## 5745MHz



## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

## 5785MHz

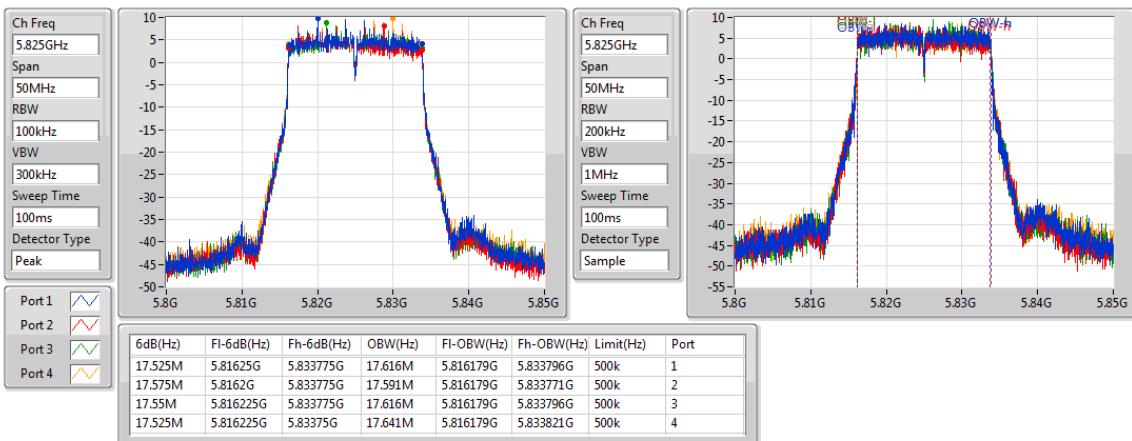




## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

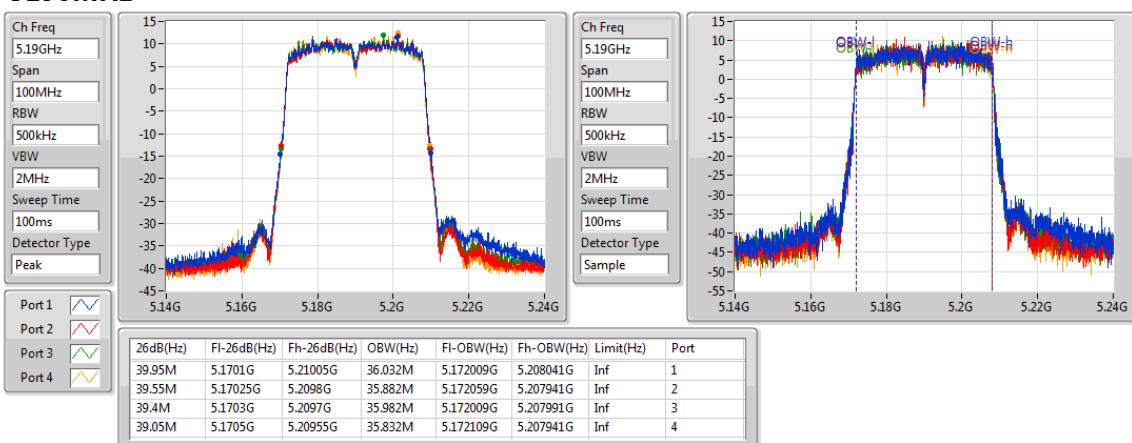
## 5825MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

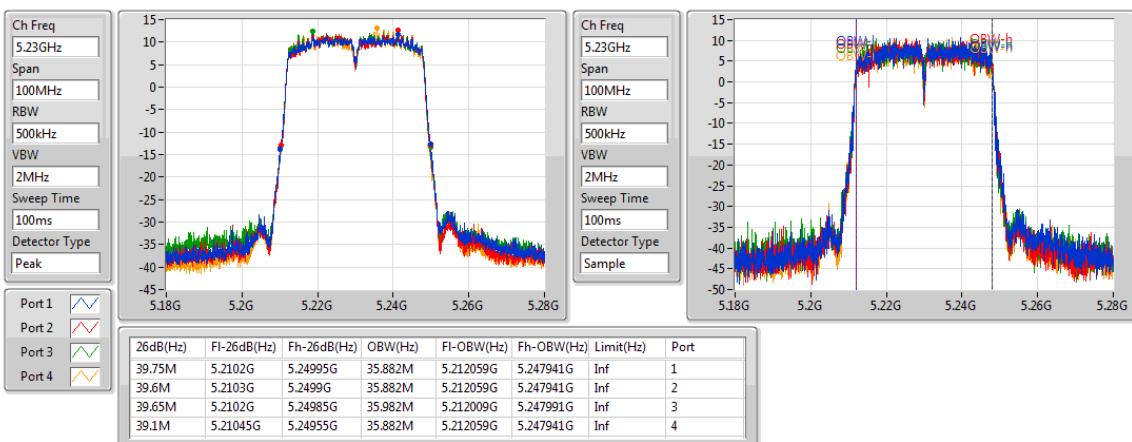
## 5190MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

## 5230MHz

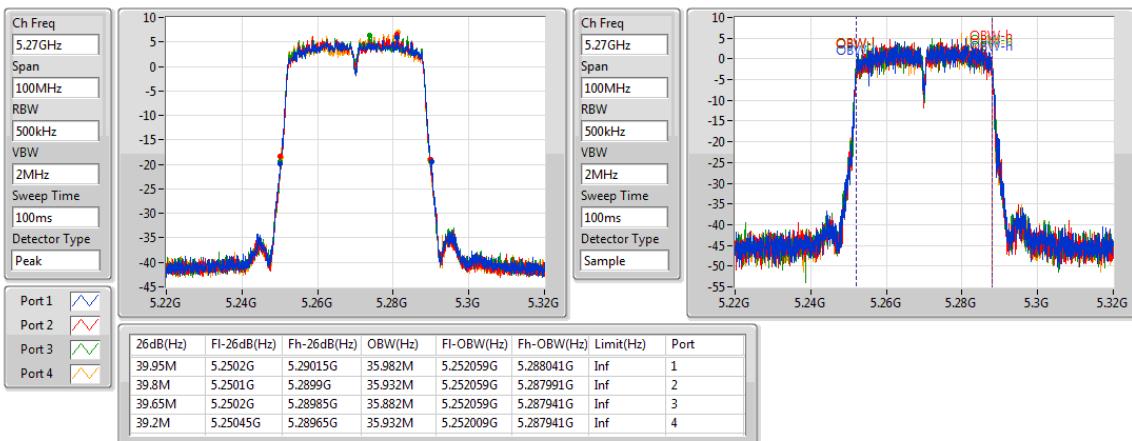




## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

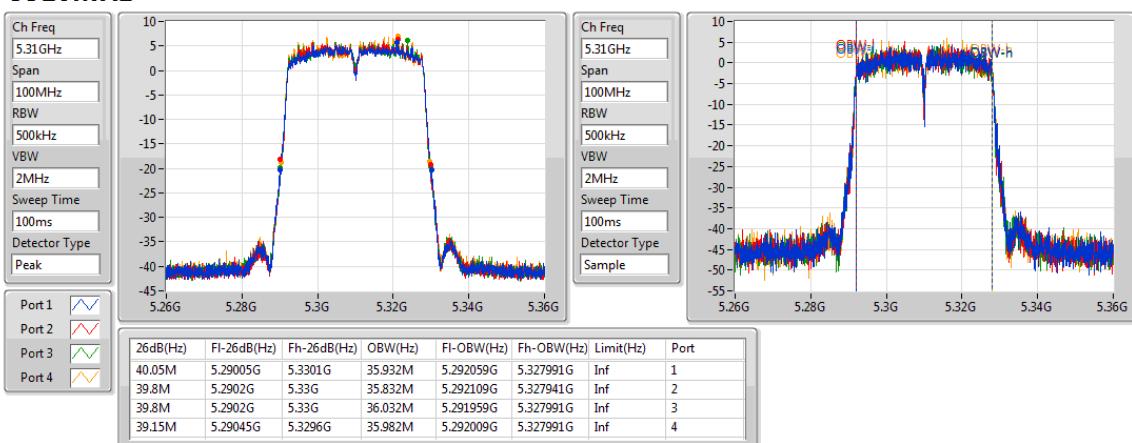
5270MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

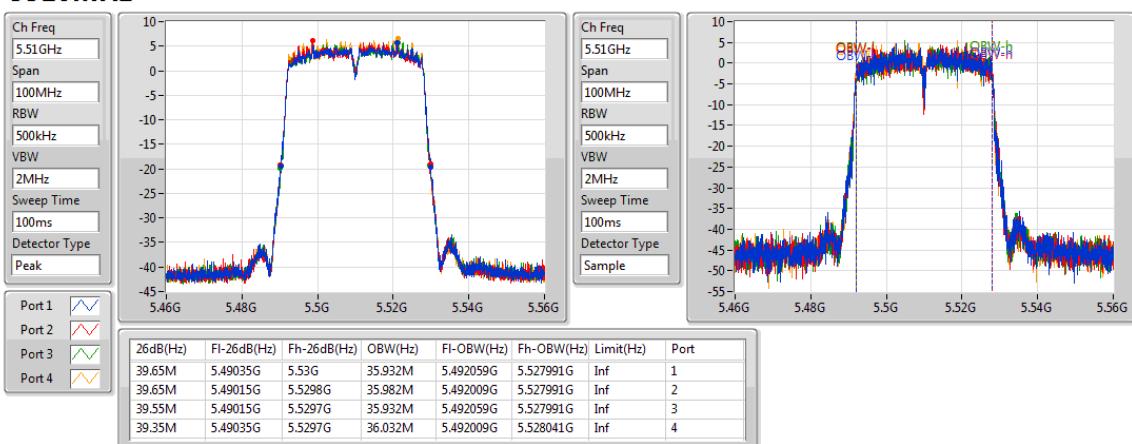
5310MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5510MHz

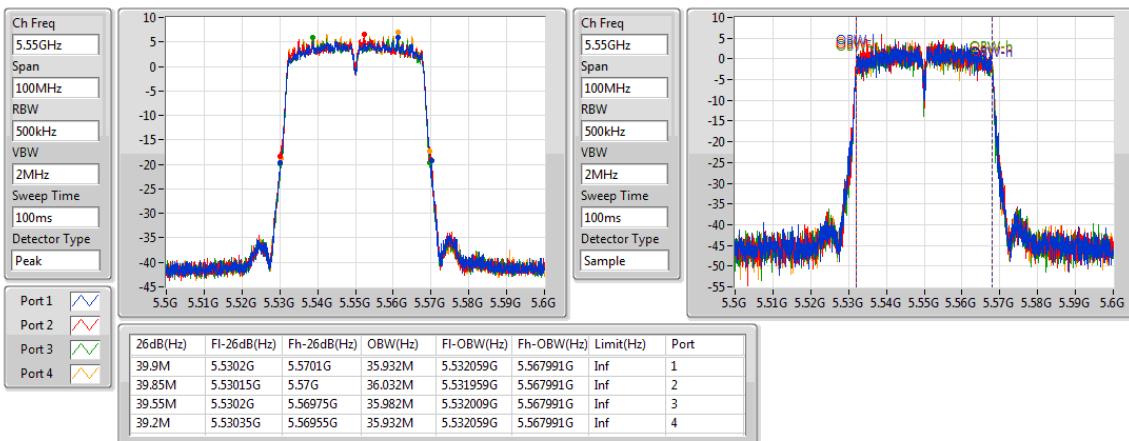




## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

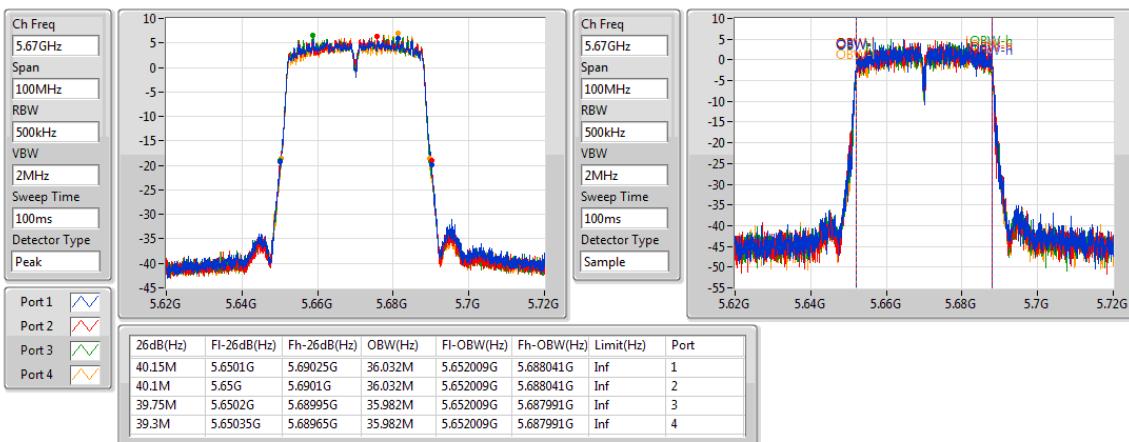
## 5550MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

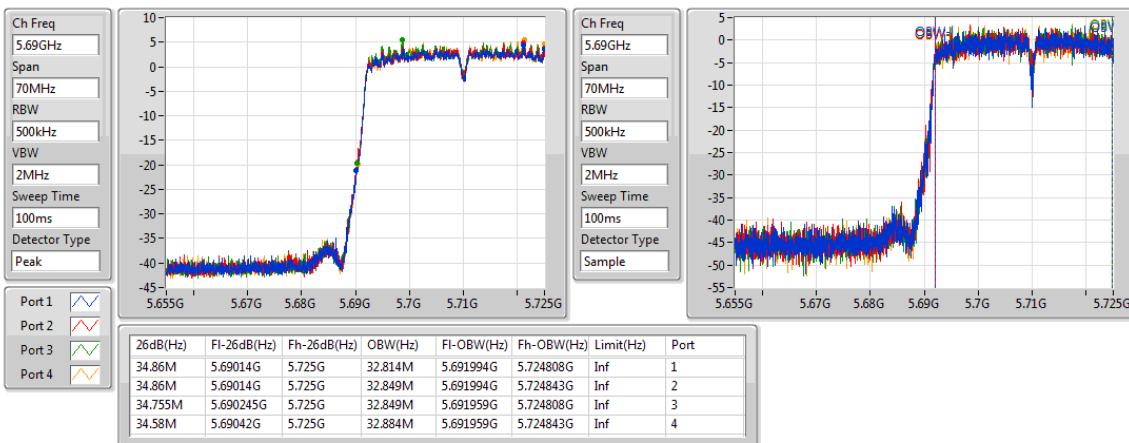
## 5670MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

## 5710MHz Straddle 5.47-5.725GHz

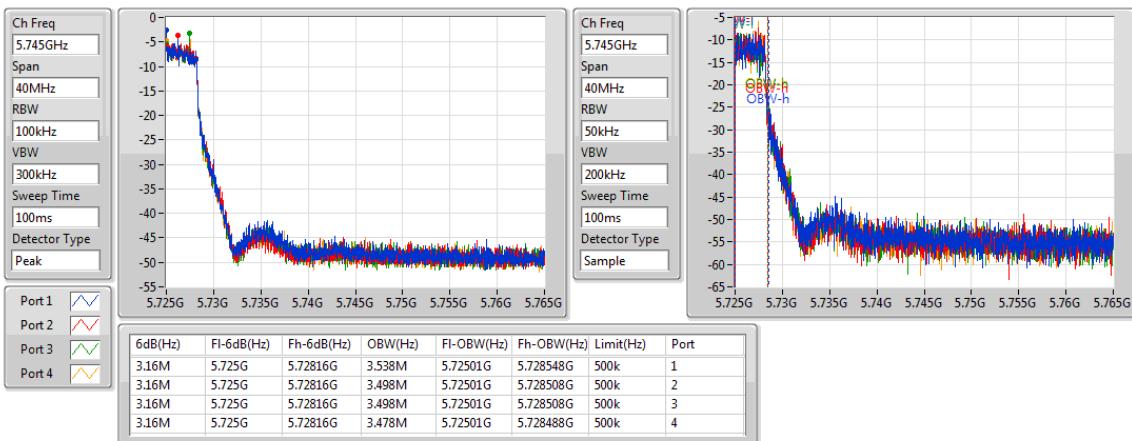




## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

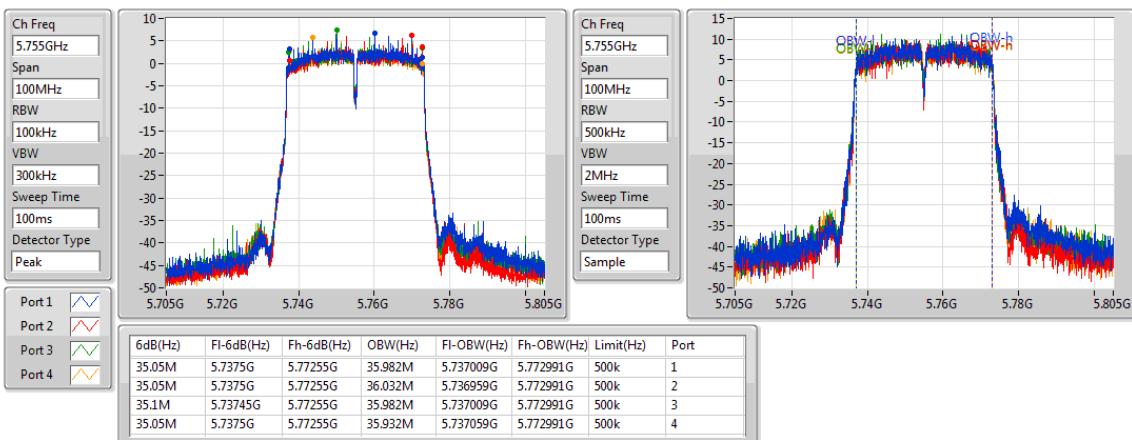
## 5710MHz Straddle 5.725-5.85GHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

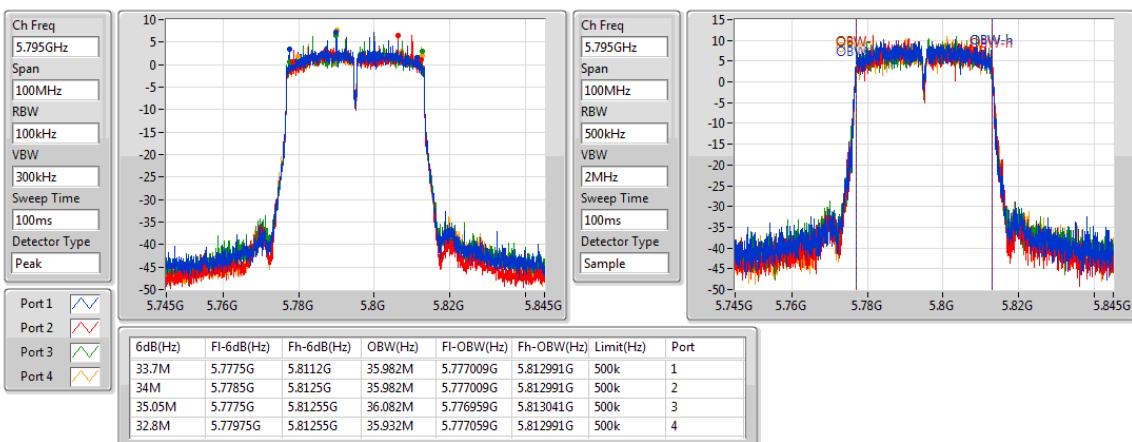
## 5755MHz



## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

## 5795MHz

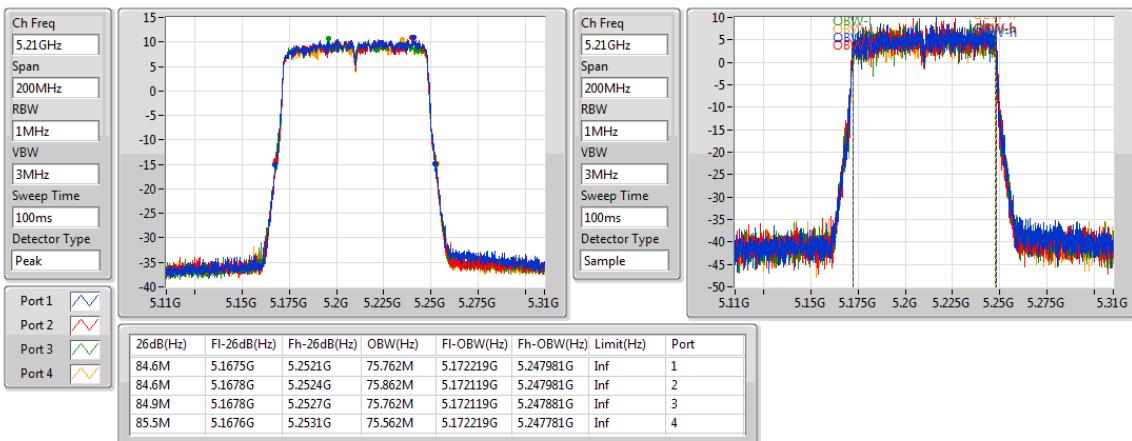




## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

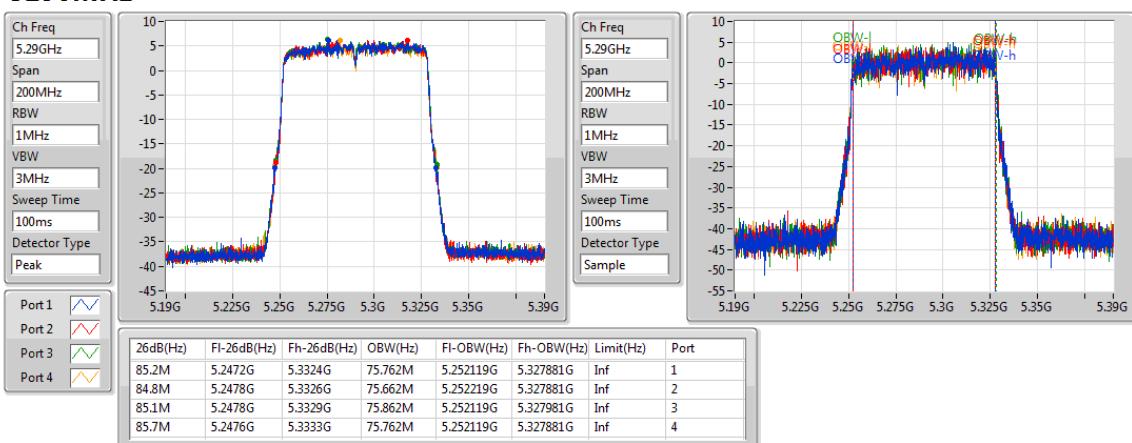
5210MHz



## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

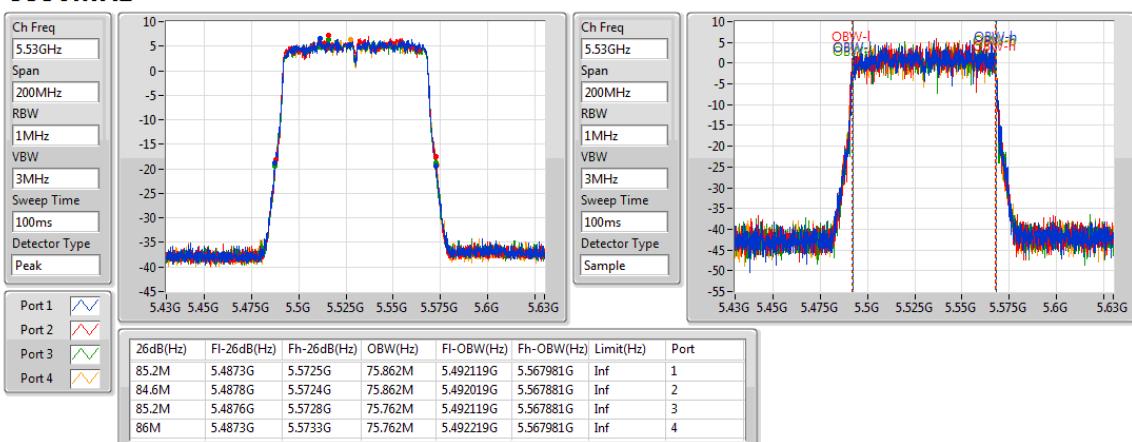
5290MHz



## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

5530MHz





## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

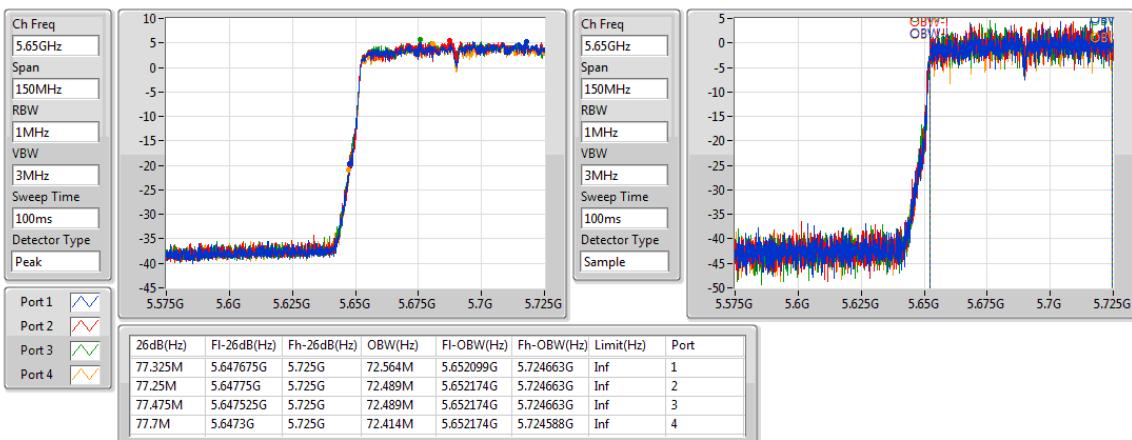
## 5610MHz



## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

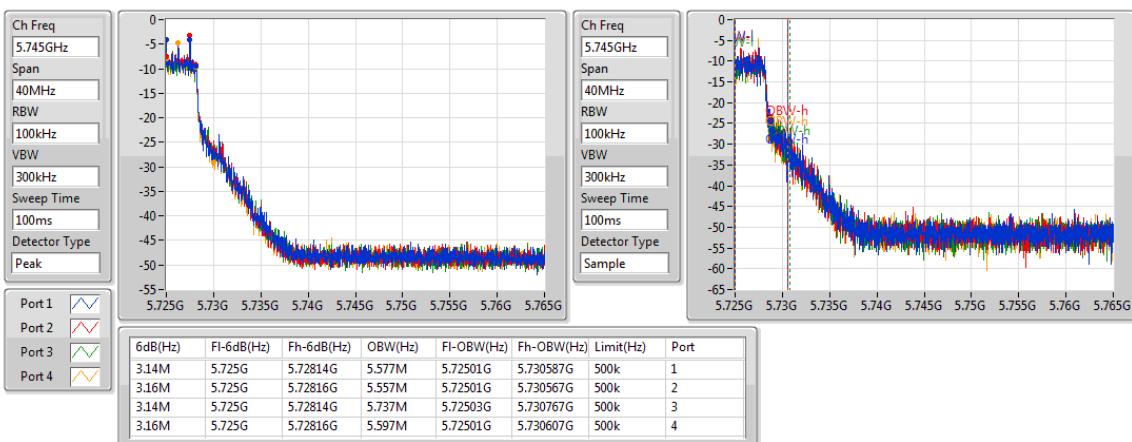
## 5690MHz Straddle 5.47-5.725GHz



## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

## 5690MHz Straddle 5.725-5.85GHz

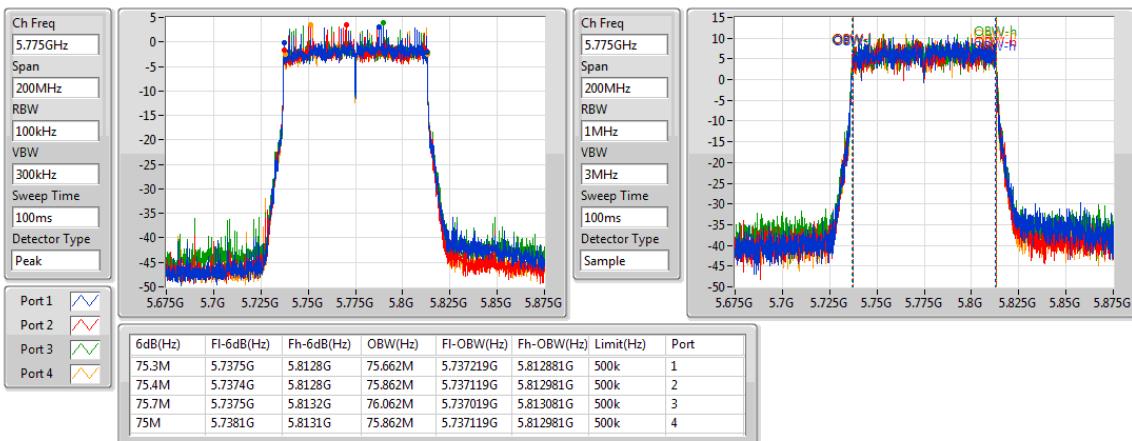




## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

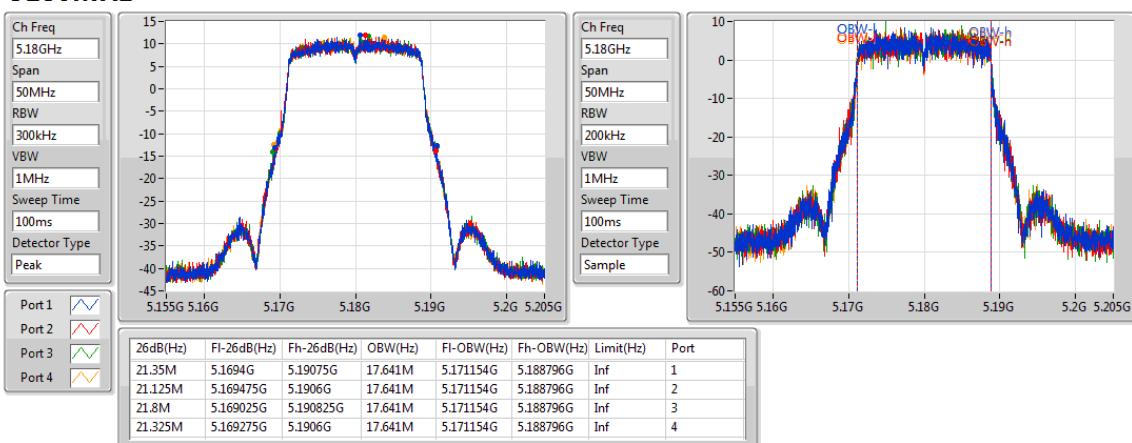
5775MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

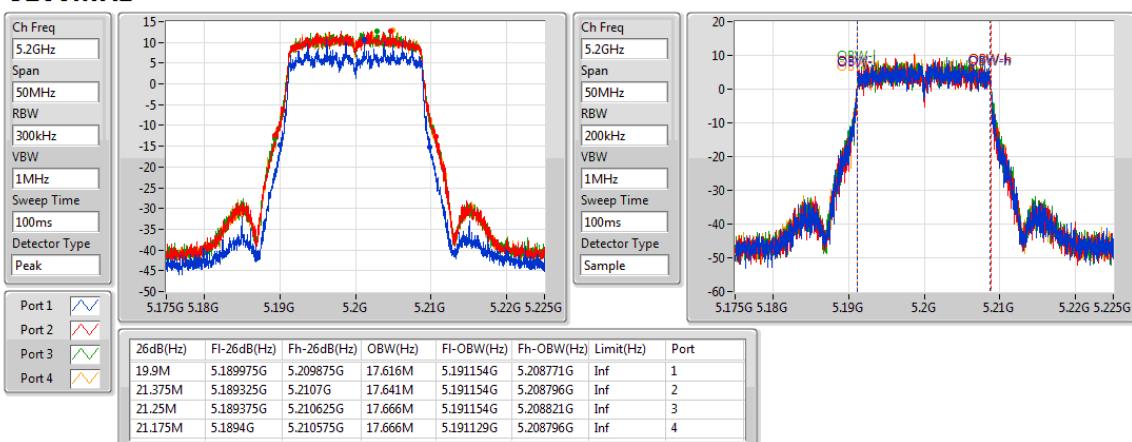
5180MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5200MHz

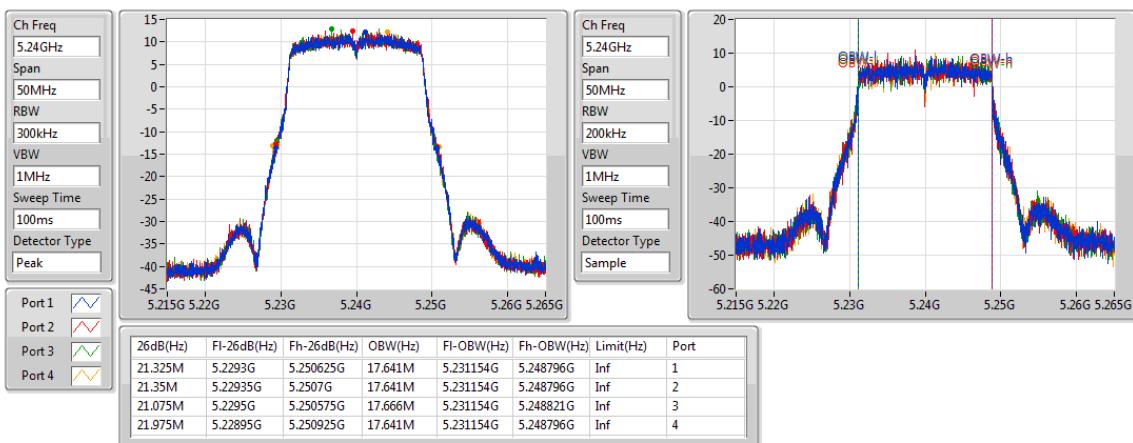




## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

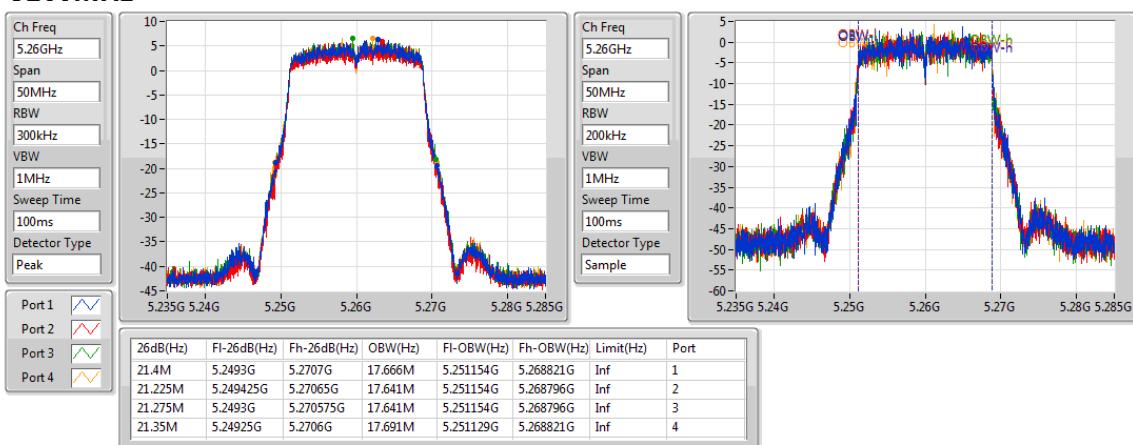
5240MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

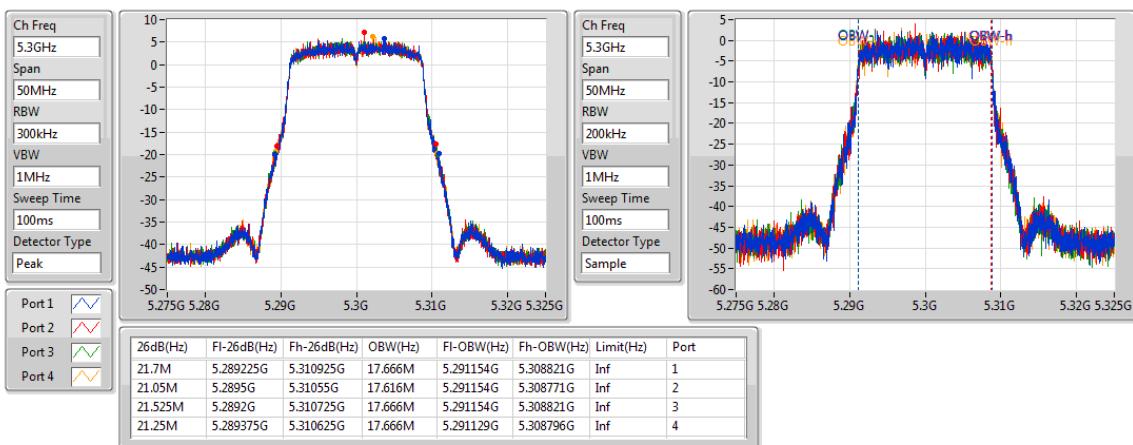
5260MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5300MHz

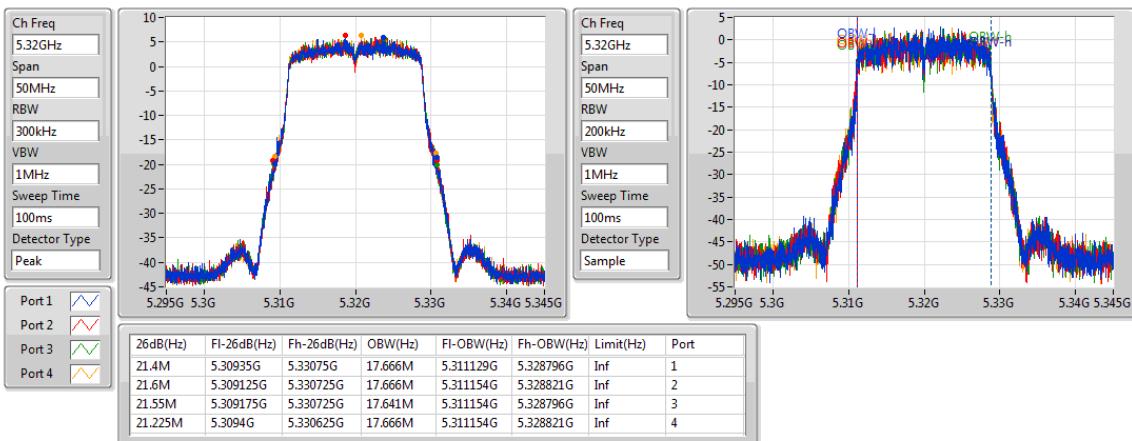




## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

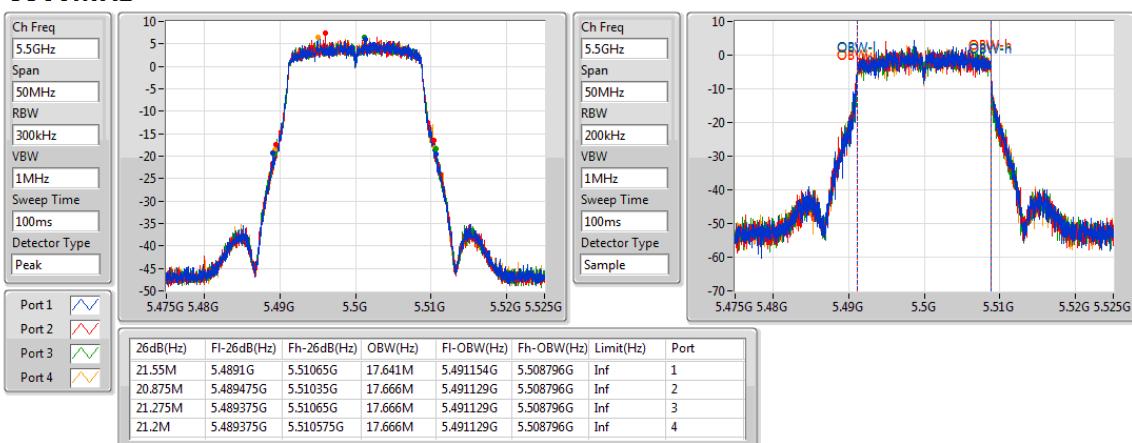
5320MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

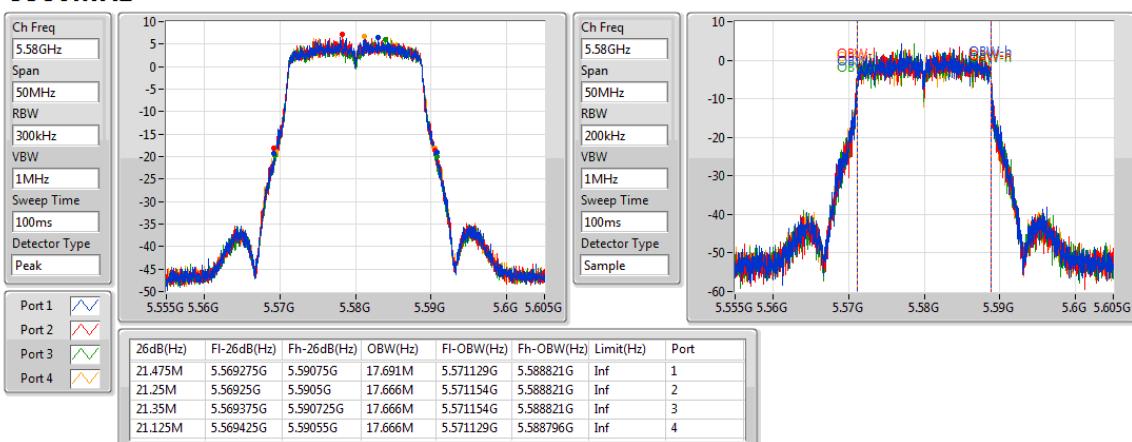
5500MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5580MHz

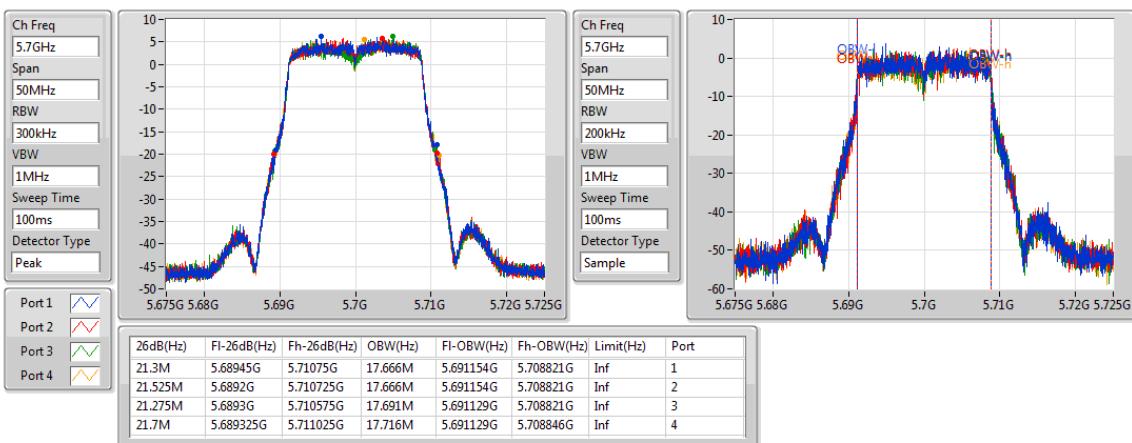




## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

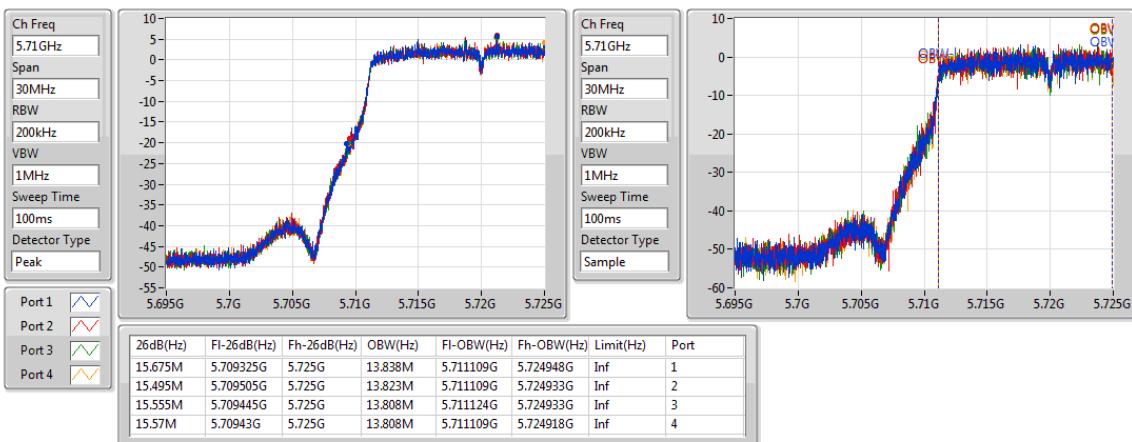
## 5700MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

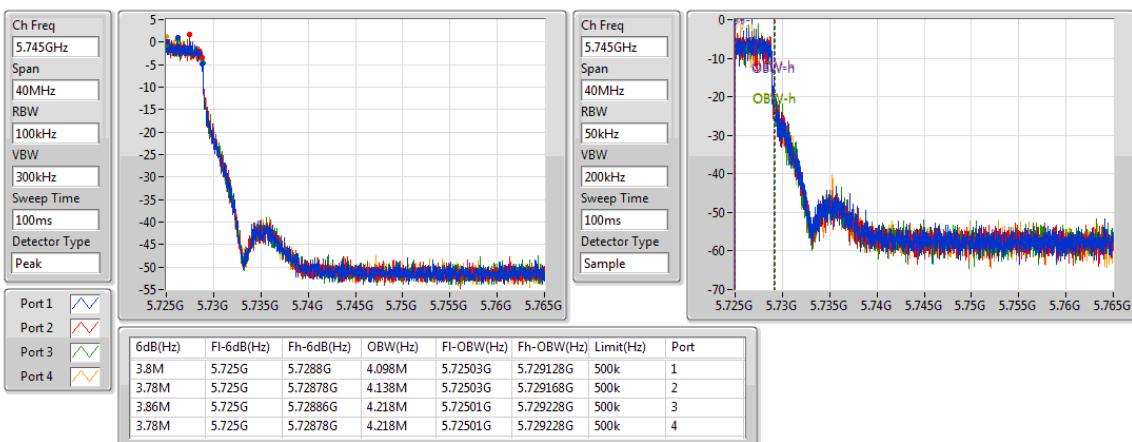
## 5720MHz Straddle 5.47-5.725GHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

## 5720MHz Straddle 5.725-5.85GHz

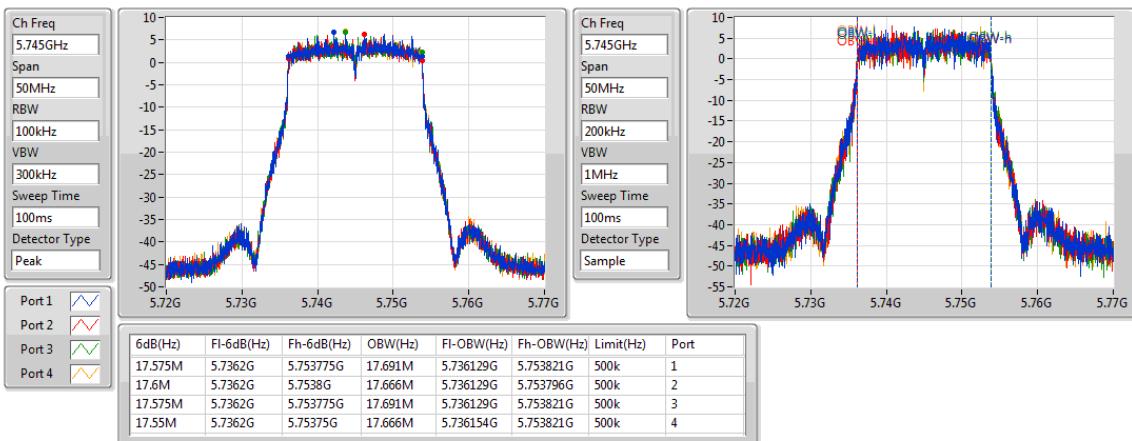




## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

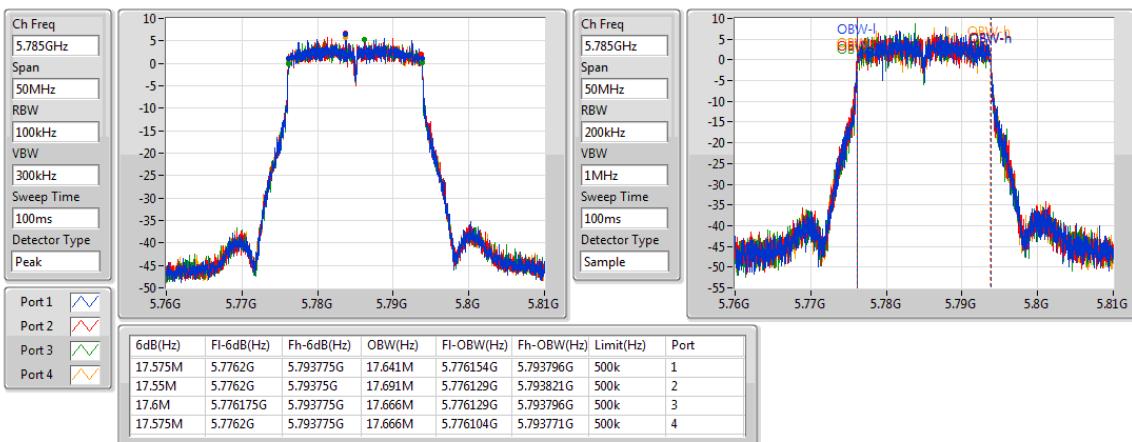
5745MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

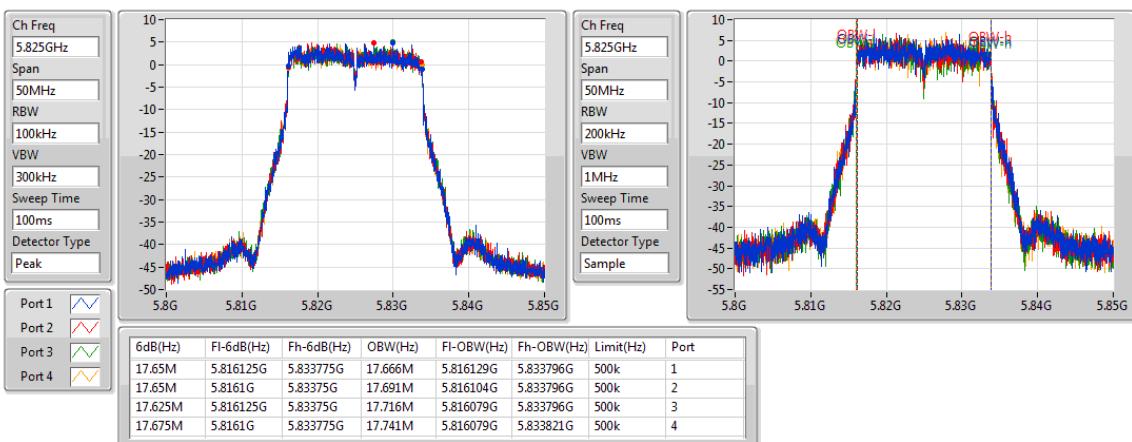
5785MHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5825MHz

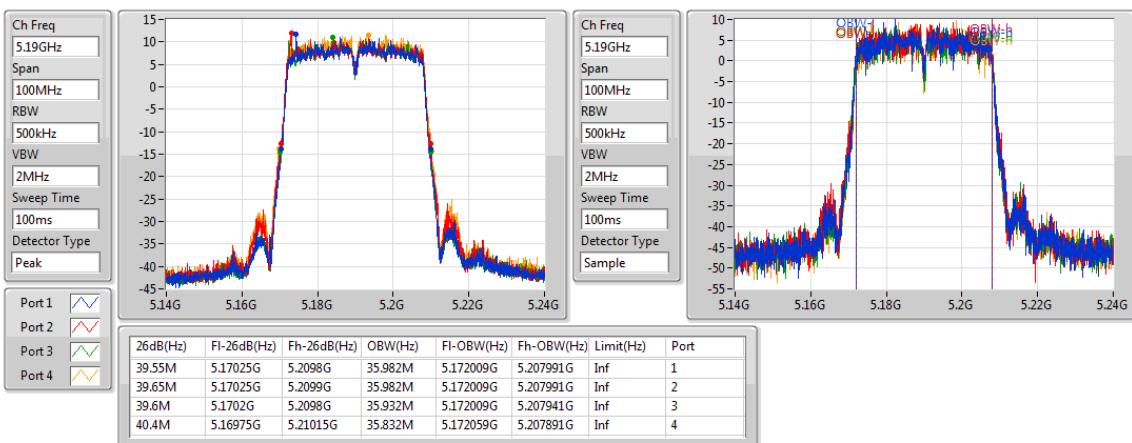




## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

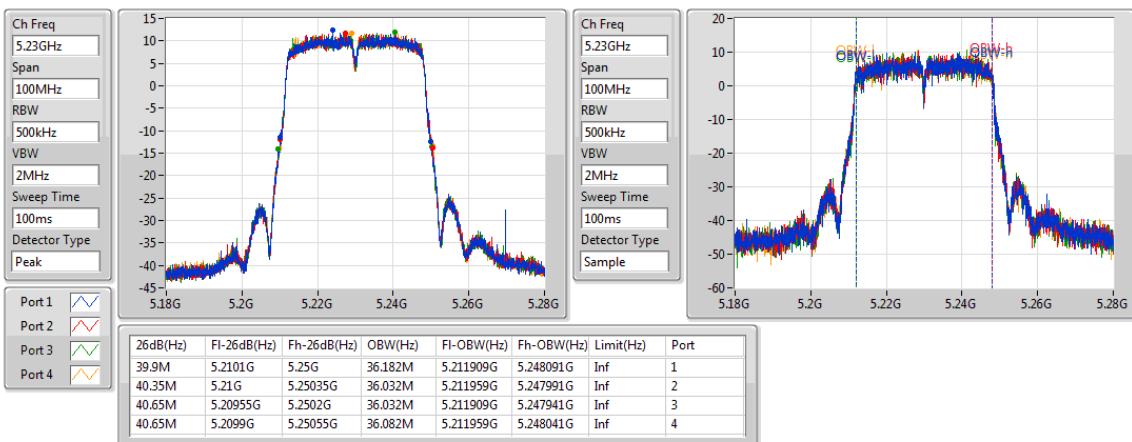
5190MHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

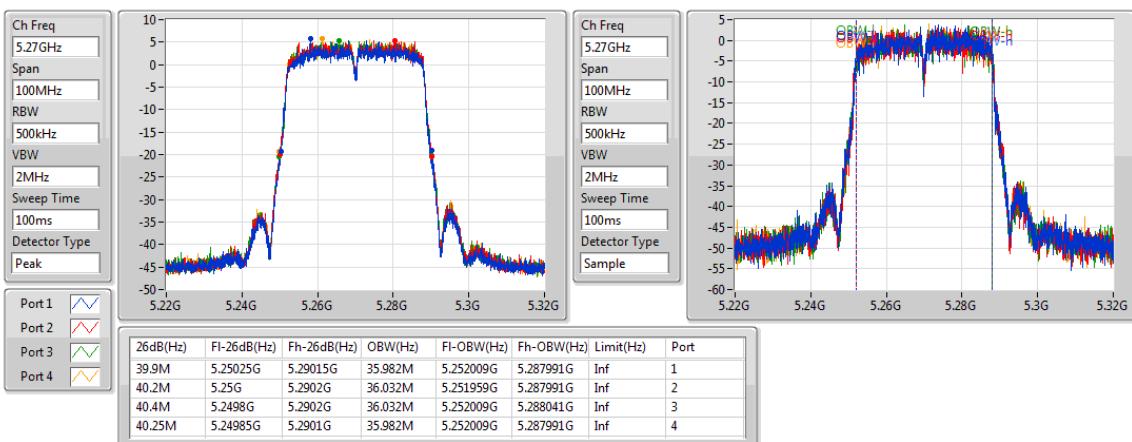
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## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5270MHz

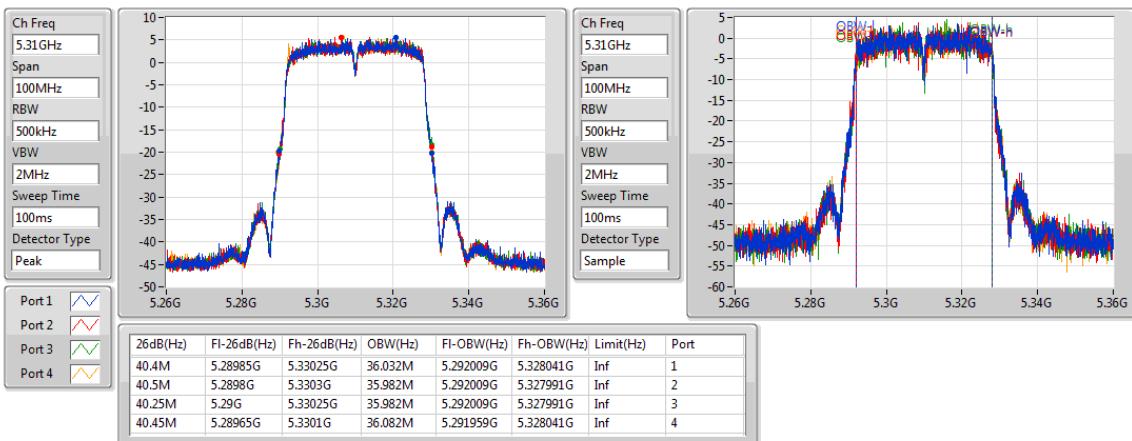




## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

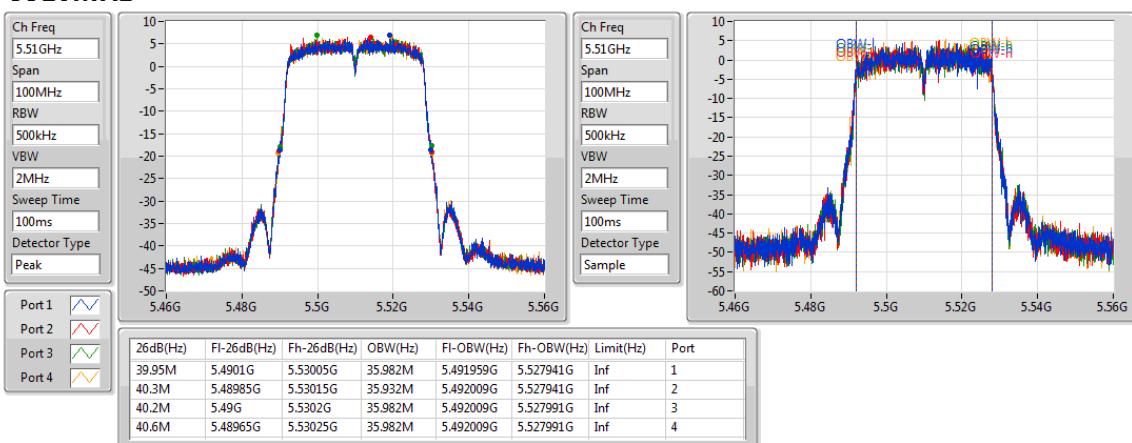
5310MHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

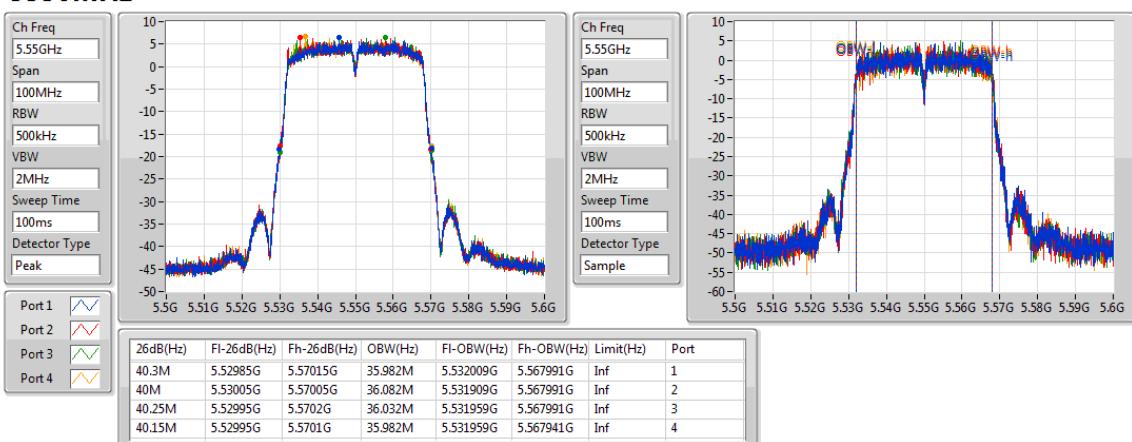
5510MHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5550MHz

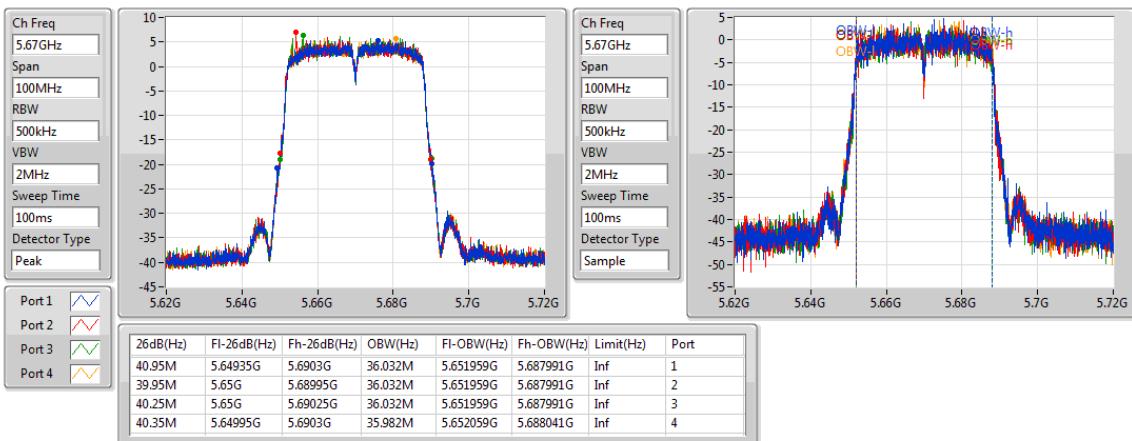




## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

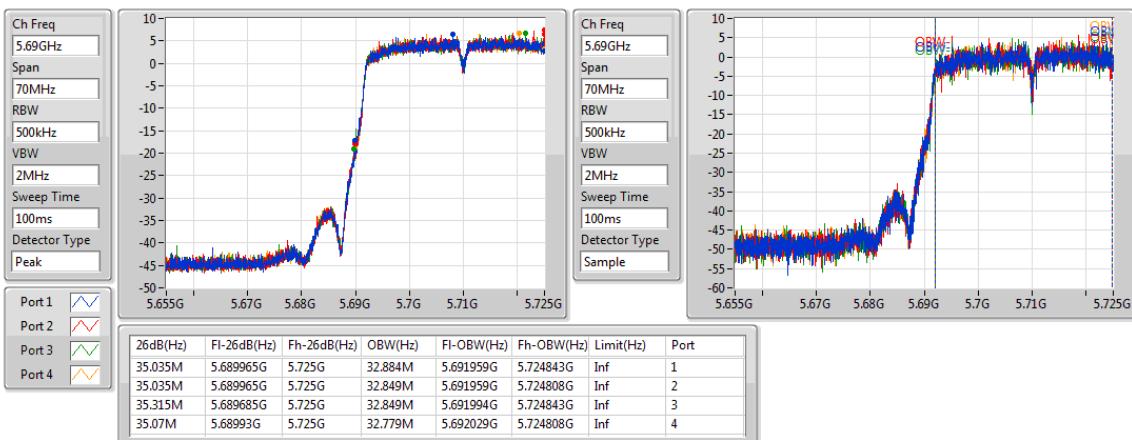
## 5670MHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

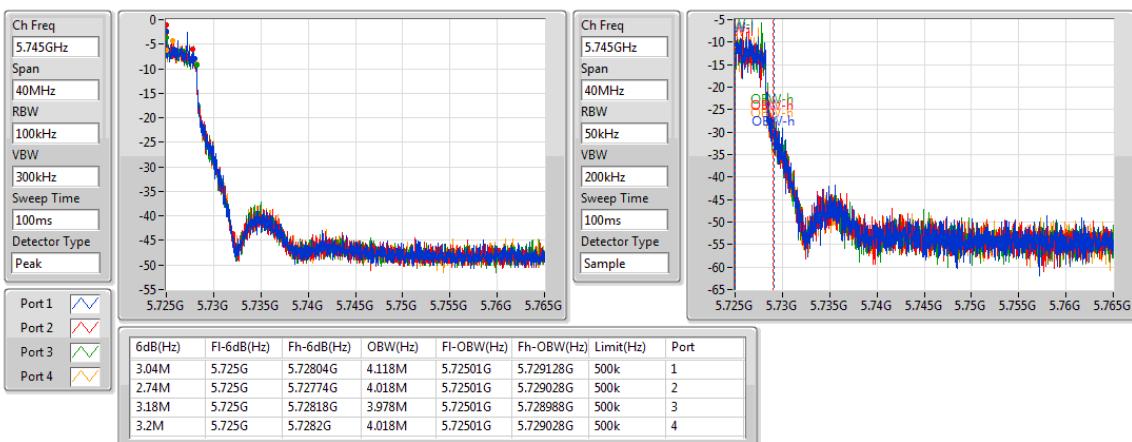
## 5710MHz Straddle 5.47-5.725GHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

## 5710MHz Straddle 5.725-5.85GHz

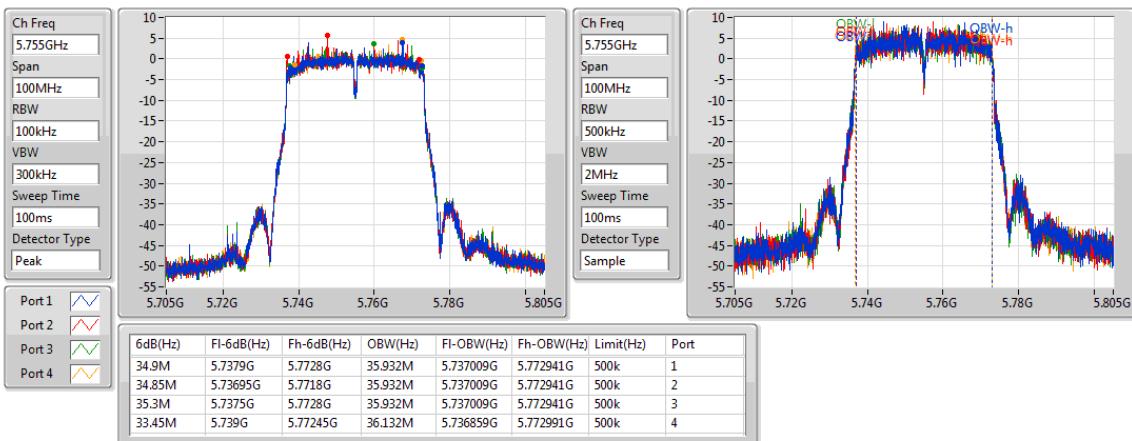




## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

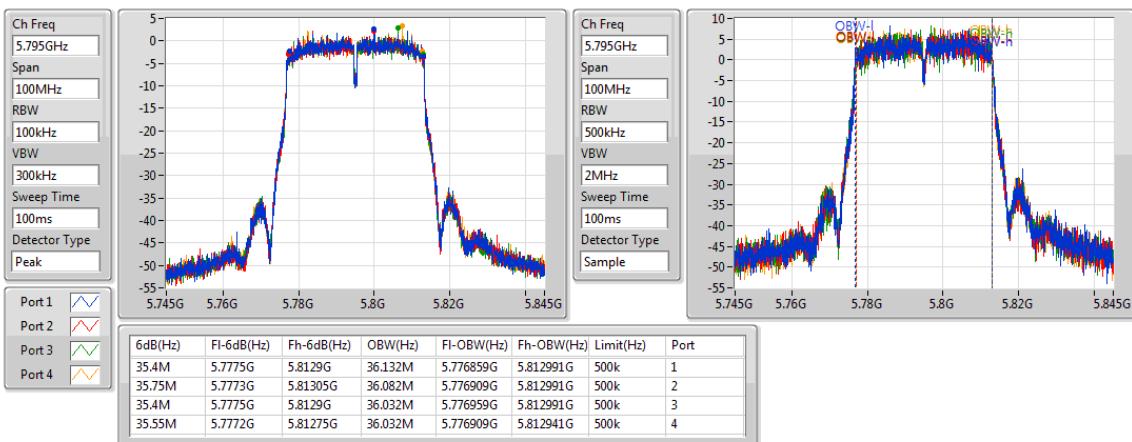
5755MHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

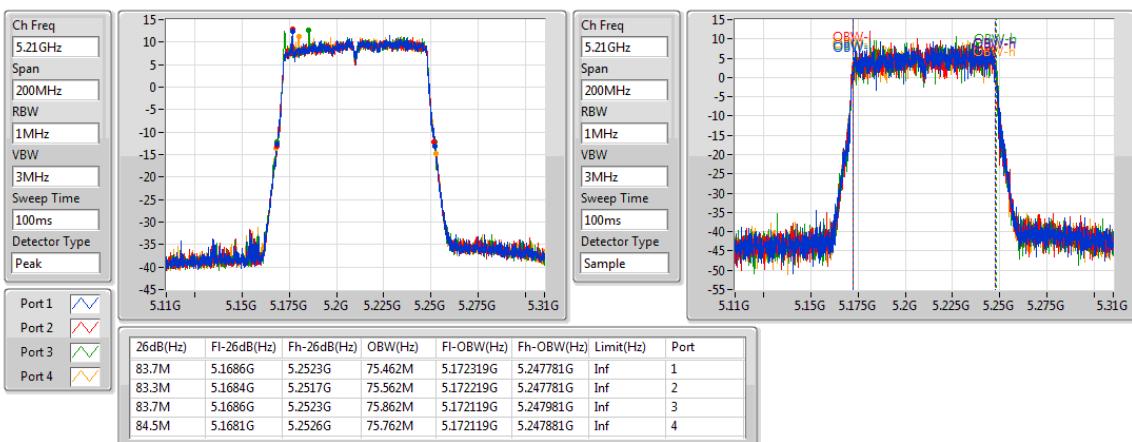
5795MHz



## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5210MHz

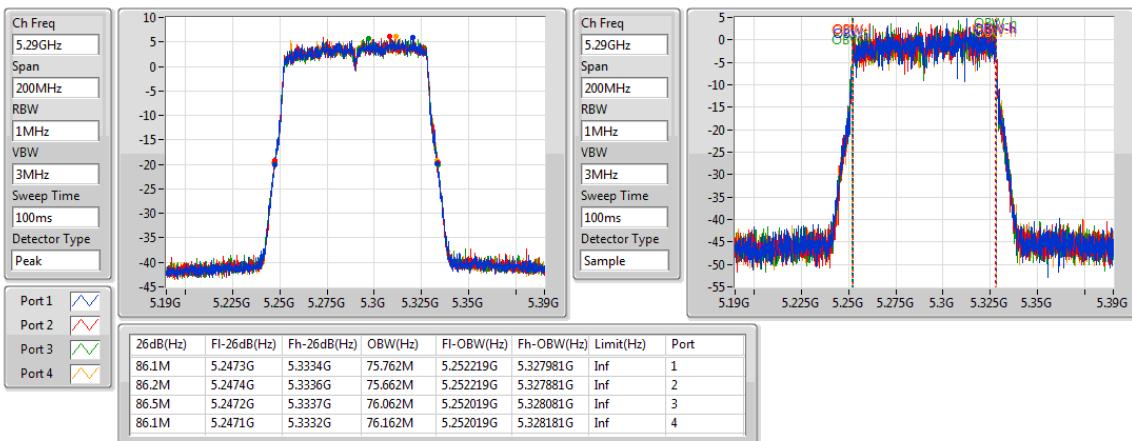




## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

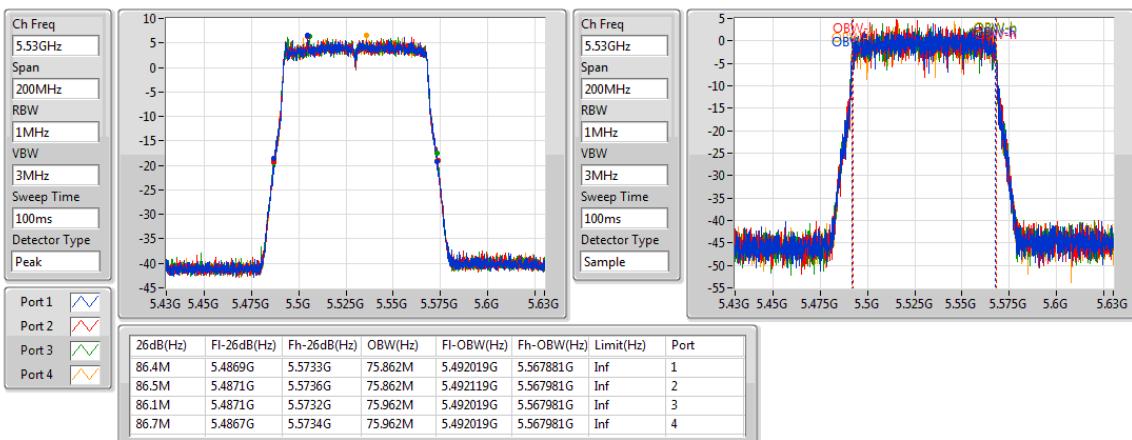
5290MHz



## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

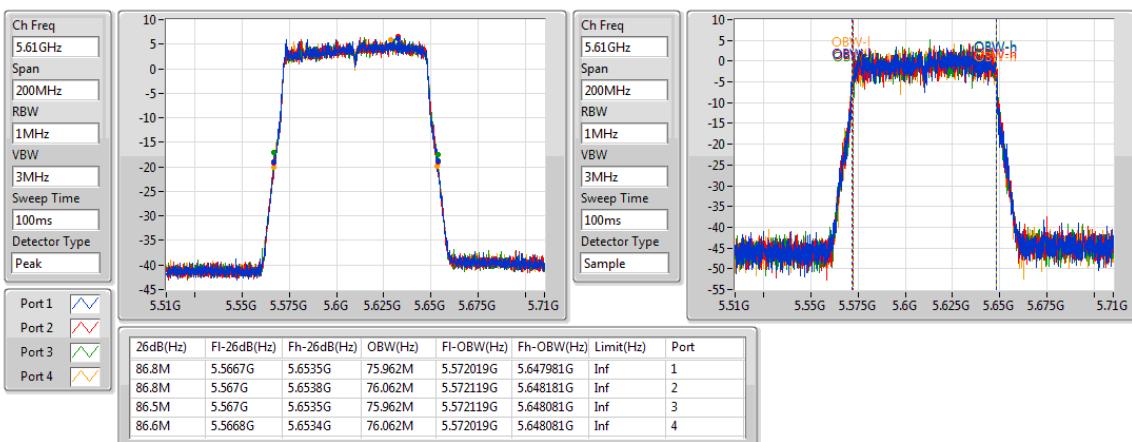
5530MHz



## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5610MHz

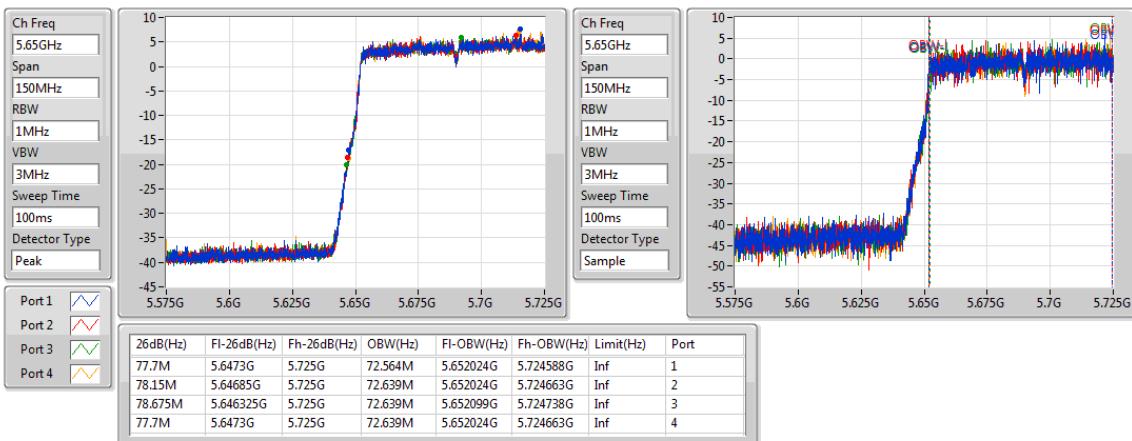




## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

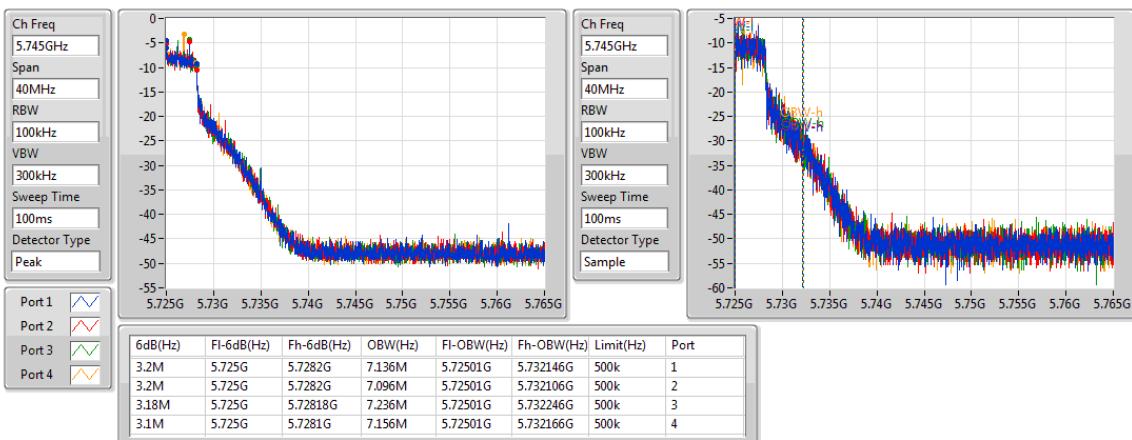
## 5690MHz Straddle 5.47-5.725GHz



## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

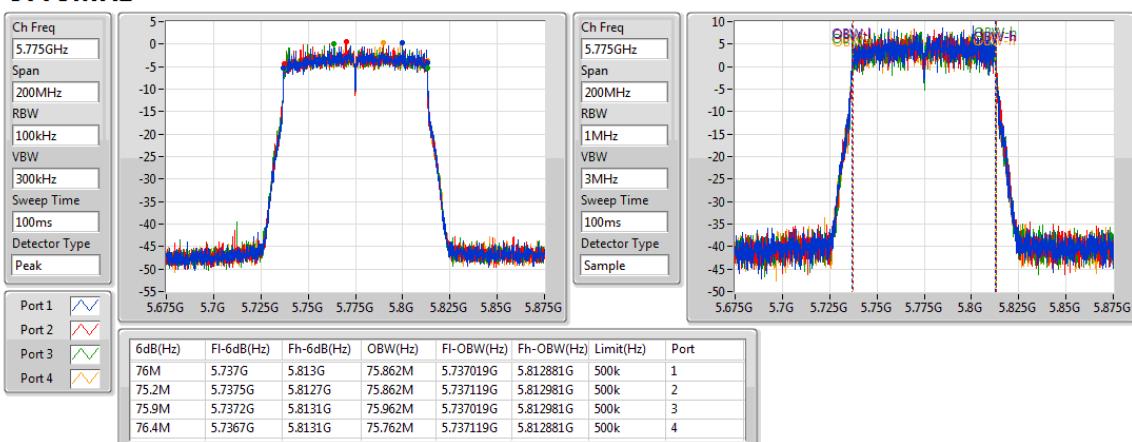
## 5690MHz Straddle 5.725-5.85GHz



## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

## 5775MHz





## For set 3 antenna / 4T2S

## Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	21.725M	17.691M	17M7D1D	19.575M	17.616M
5.25-5.35GHz	21.6M	17.666M	17M7D1D	21.275M	17.616M
5.47-5.725GHz	21.925M	17.691M	17M7D1D	15.72M	13.838M
5.725-5.85GHz	17.6M	17.691M	17M7D1D	3.76M	4.198M
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	40.65M	36.082M	36M1D1D	40M	35.832M
5.25-5.35GHz	39.5M	36.082M	36M1D1D	38.85M	35.832M
5.47-5.725GHz	39.85M	36.032M	36M0D1D	34.37M	32.604M
5.725-5.85GHz	35.55M	35.982M	36M0D1D	2.64M	3.498M
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	86.9M	75.962M	76M0D1D	86M	75.762M
5.25-5.35GHz	83.7M	75.762M	75M8D1D	83.4M	75.562M
5.47-5.725GHz	84.4M	75.962M	76M0D1D	75.225M	72.414M
5.725-5.85GHz	75.4M	75.762M	75M8D1D	1.94M	3.958M

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

**Max-OBW** = Maximum 99% occupied bandwidth;

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

**Min-OBW** = Minimum 99% occupied bandwidth;



## Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW dB (Hz)	Port 2-N dB (Hz)	Port 2-OBW dB (Hz)	Port 3-N dB (Hz)	Port 3-OBW dB (Hz)	Port 4-N dB (Hz)	Port 4-OBW dB (Hz)
802.11ac VHT20-BF_Nss2,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.575M	17.691M	19.625M	17.691M	19.725M	17.641M	19.75M	17.666M
5200MHz	Pass	Inf	21.25M	17.641M	21.225M	17.641M	21.725M	17.691M	21.425M	17.616M
5240MHz	Pass	Inf	21.575M	17.666M	21.6M	17.616M	21.6M	17.641M	21.425M	17.641M
5260MHz	Pass	Inf	21.45M	17.666M	21.5M	17.616M	21.35M	17.666M	21.375M	17.641M
5300MHz	Pass	Inf	21.45M	17.641M	21.575M	17.641M	21.425M	17.641M	21.35M	17.616M
5320MHz	Pass	Inf	21.525M	17.641M	21.6M	17.666M	21.45M	17.666M	21.275M	17.641M
5500MHz	Pass	Inf	21.575M	17.641M	21.075M	17.666M	21.6M	17.666M	21.275M	17.691M
5580MHz	Pass	Inf	21.7M	17.616M	21.1M	17.666M	21.625M	17.666M	21.275M	17.666M
5700MHz	Pass	Inf	21.425M	17.641M	21.35M	17.666M	21.6M	17.666M	21.925M	17.641M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.75M	13.883M	15.795M	13.838M	15.72M	13.838M	15.84M	13.883M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	4.198M	3.78M	4.238M	3.76M	4.278M	3.8M	4.218M
5745MHz	Pass	500k	17.575M	17.666M	17.6M	17.641M	17.55M	17.691M	17.55M	17.666M
5785MHz	Pass	500k	17.6M	17.641M	17.575M	17.666M	17.55M	17.666M	17.6M	17.691M
5825MHz	Pass	500k	17.575M	17.691M	17.575M	17.691M	17.575M	17.691M	17.575M	17.691M
802.11ac VHT40-BF_Nss2,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40M	36.082M	40.5M	35.932M	40.3M	36.032M	40.6M	36.032M
5230MHz	Pass	Inf	40M	35.932M	40M	35.832M	40.45M	36.032M	40.65M	35.982M
5270MHz	Pass	Inf	39.4M	35.932M	39.5M	35.932M	39.4M	35.932M	39.4M	35.932M
5310MHz	Pass	Inf	39.3M	35.832M	39.5M	35.932M	39.45M	35.932M	38.85M	36.082M
5510MHz	Pass	Inf	39.2M	35.932M	39.7M	35.932M	39.3M	35.932M	38.95M	35.982M
5550MHz	Pass	Inf	39.65M	36.032M	39.2M	35.882M	39.65M	35.932M	39.15M	36.032M
5670MHz	Pass	Inf	39.85M	35.932M	39.55M	36.032M	39.65M	35.932M	39.5M	35.932M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.37M	32.744M	34.545M	32.604M	34.545M	32.814M	34.615M	32.814M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	2.94M	3.498M	2.64M	3.498M	3.02M	3.518M	3.04M	3.538M
5755MHz	Pass	500k	35M	35.932M	35.3M	35.882M	35.15M	35.932M	35M	35.932M
5795MHz	Pass	500k	35.55M	35.982M	35.3M	35.932M	35.3M	35.932M	35.55M	35.882M
802.11ac VHT80-BF_Nss2,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	86.3M	75.762M	86M	75.962M	86.9M	75.862M	86.7M	75.962M
5290MHz	Pass	Inf	83.4M	75.662M	83.7M	75.762M	83.7M	75.562M	83.5M	75.762M
5530MHz	Pass	Inf	83.2M	75.662M	83.2M	75.562M	84.4M	75.762M	82.8M	75.562M
5610MHz	Pass	Inf	84.2M	75.962M	84.1M	75.762M	83.7M	75.662M	83.6M	75.862M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.5M	72.564M	76.8M	72.414M	75.225M	72.414M	76.425M	72.639M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	2.82M	3.958M	2.64M	4.058M	1.94M	3.978M	3.16M	4.058M
5775MHz	Pass	500k	74.5M	75.762M	74.6M	75.762M	73M	75.762M	75.4M	75.762M

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

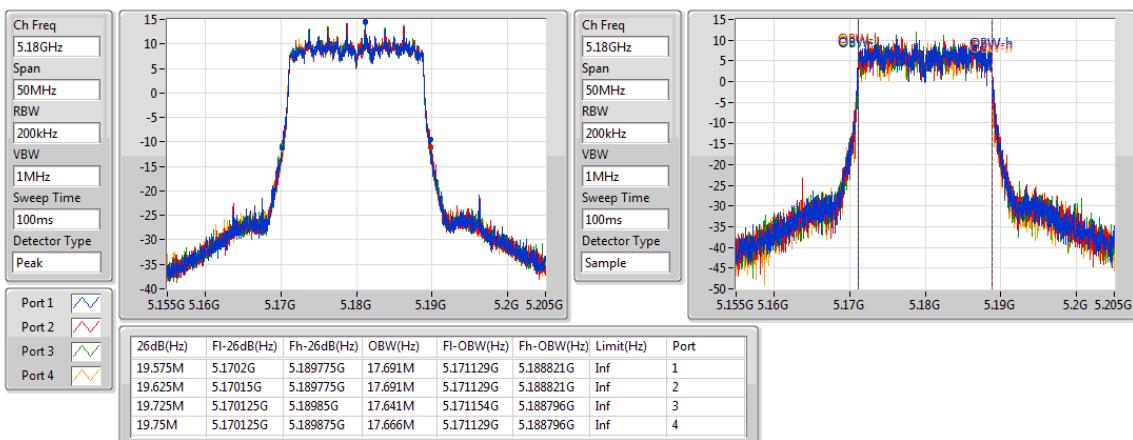
Port X-OBW = Port X 99% occupied bandwidth;



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

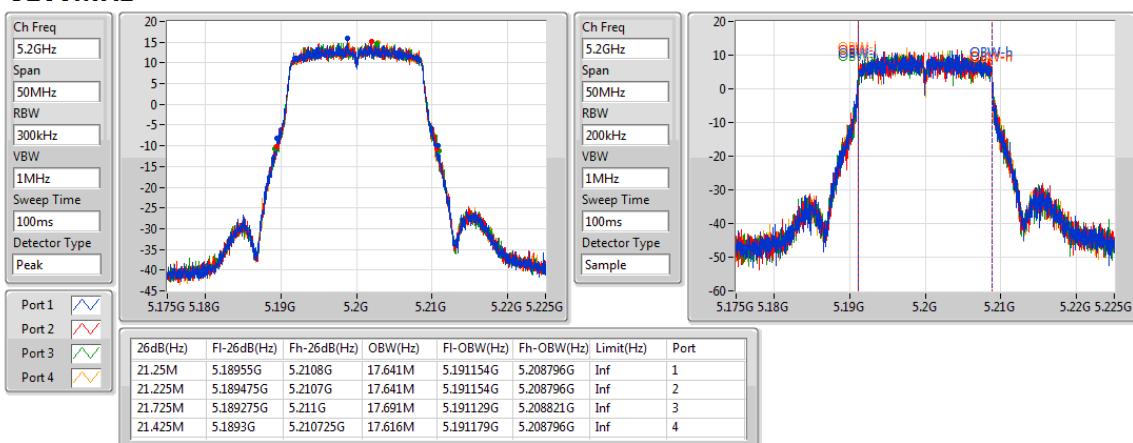
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## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

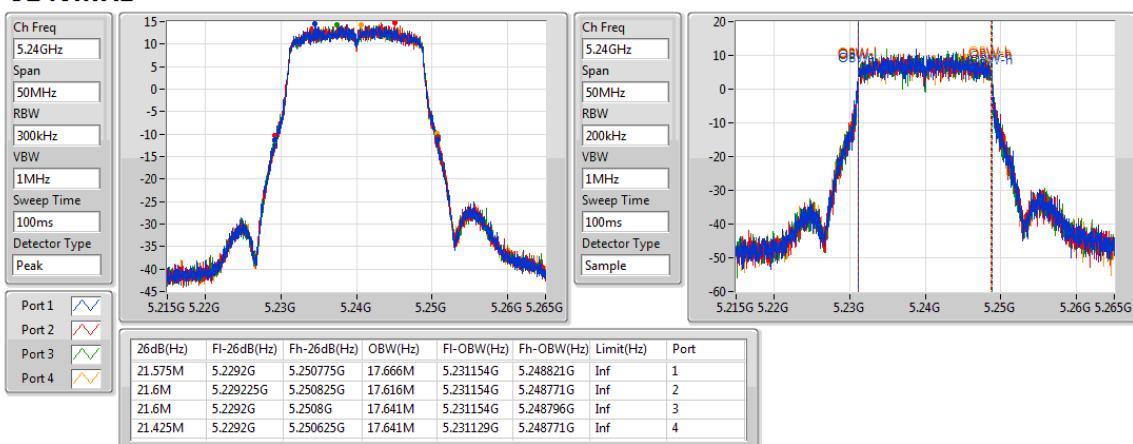
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## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5240MHz

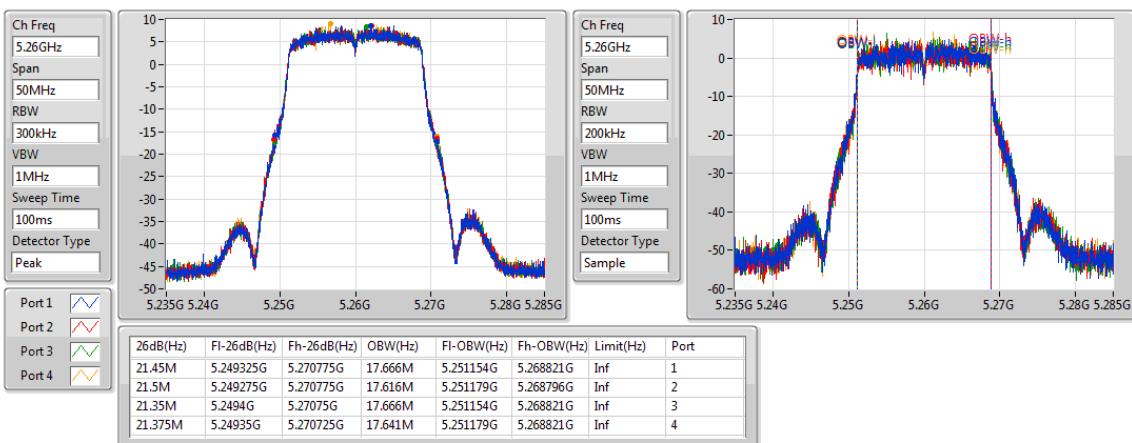




## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

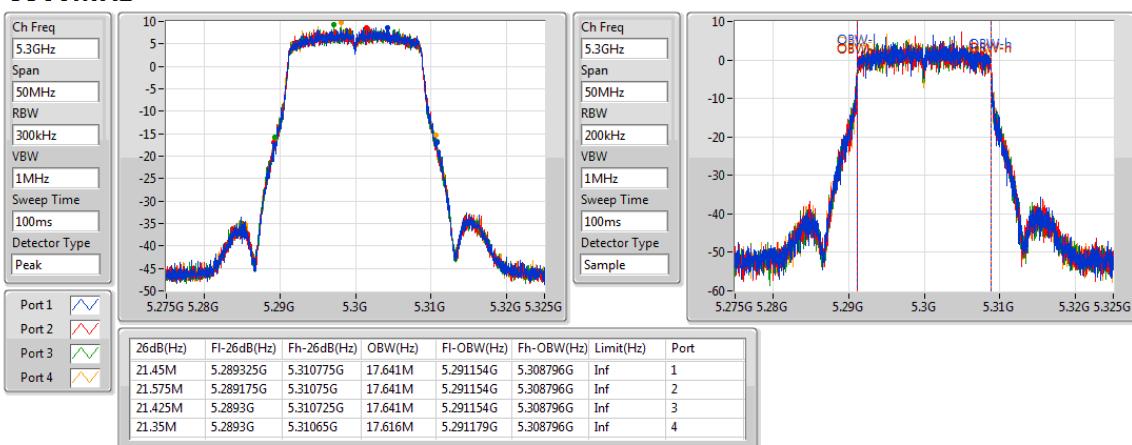
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## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

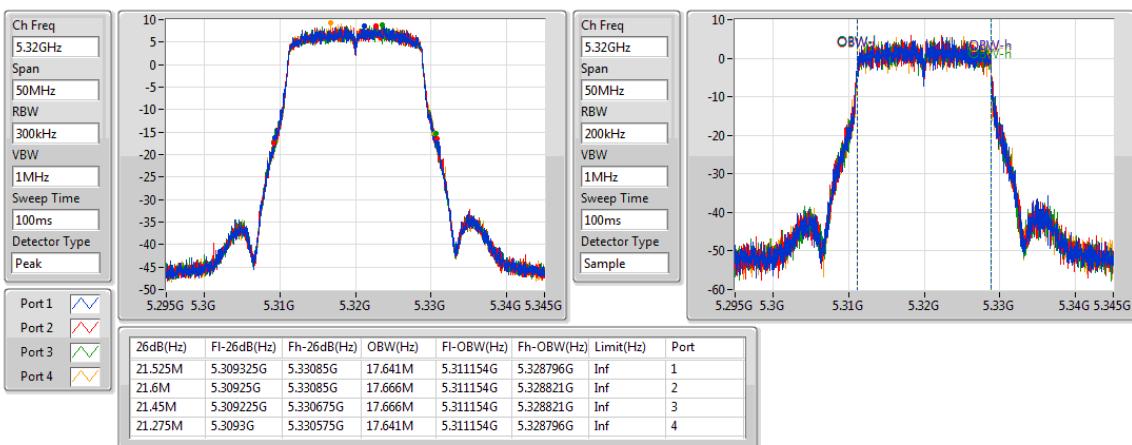
5300MHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5320MHz

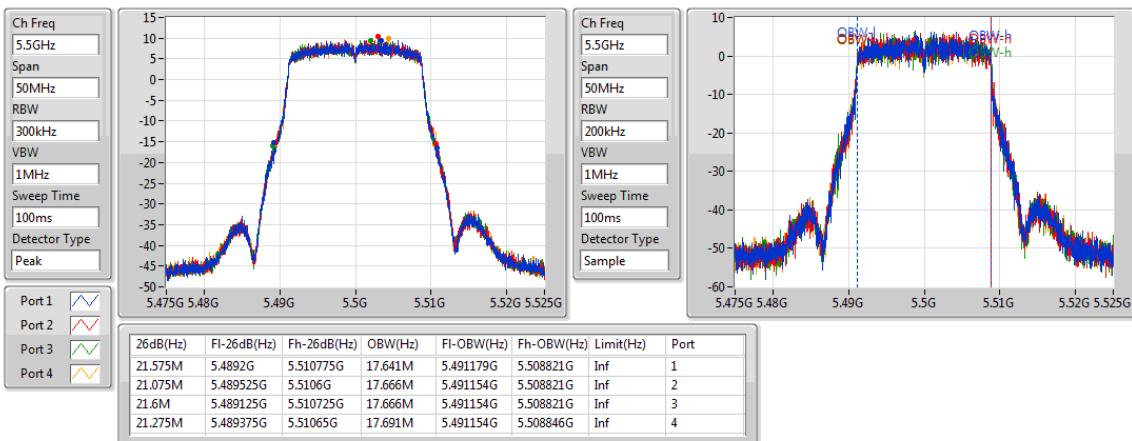




## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

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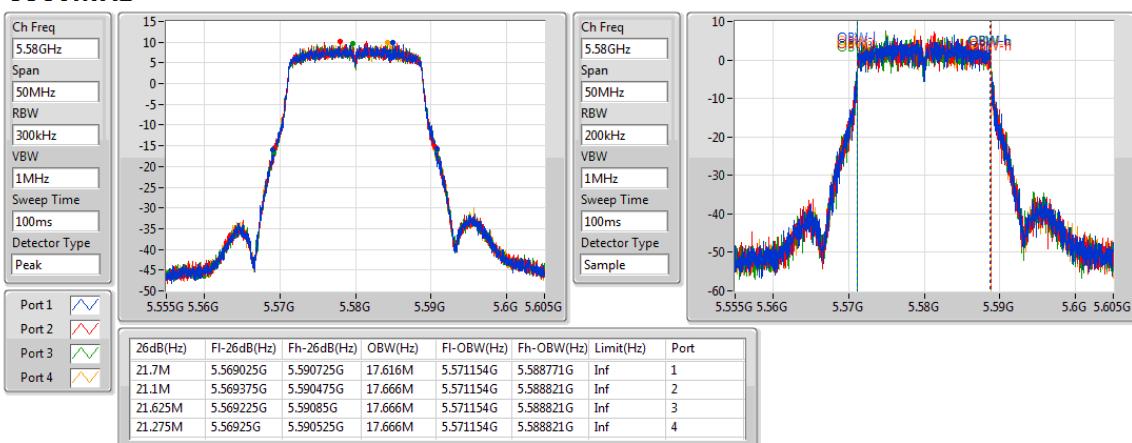
5500MHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

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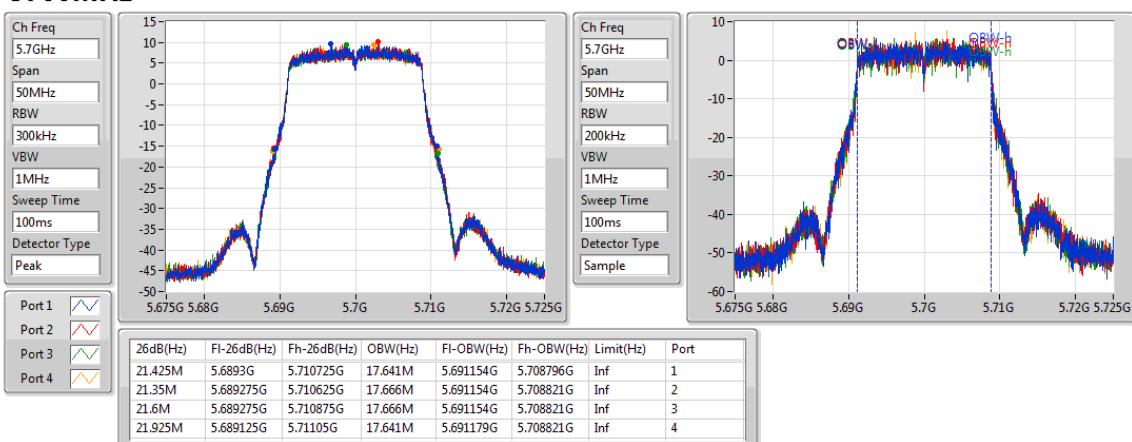
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## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5700MHz

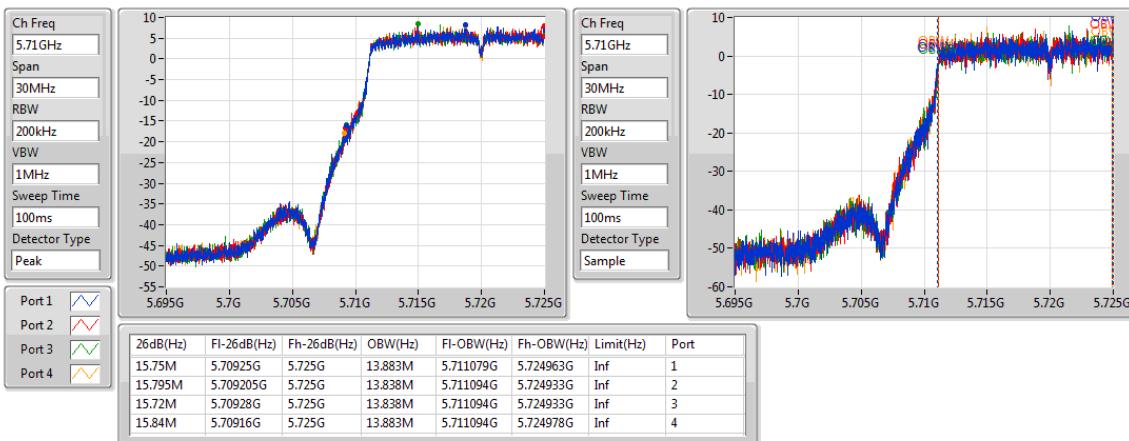




## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

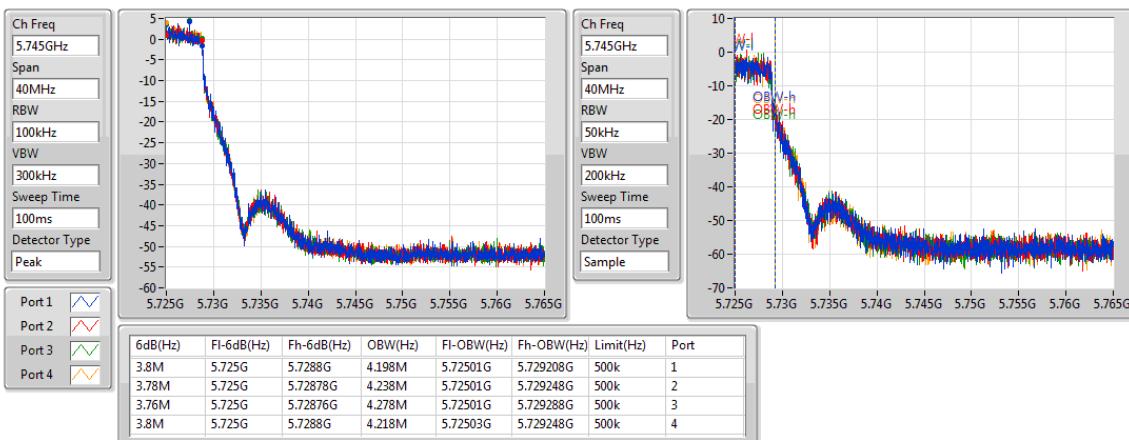
## 5720MHz Straddle 5.47-5.725GHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

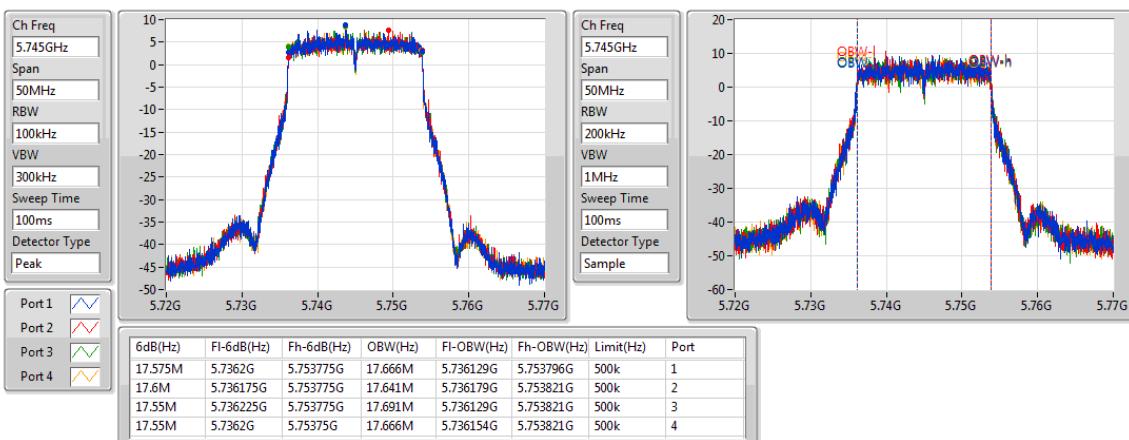
## 5720MHz Straddle 5.725-5.85GHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

## 5745MHz

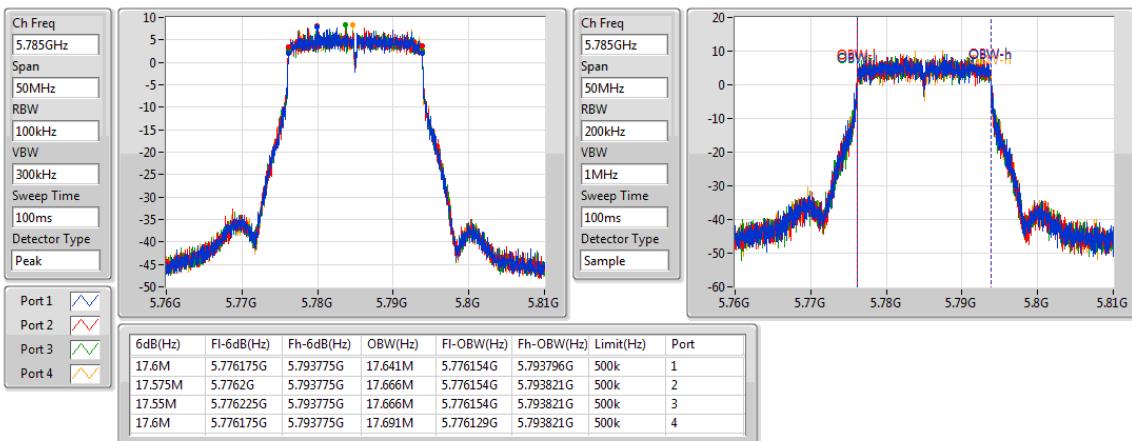




## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

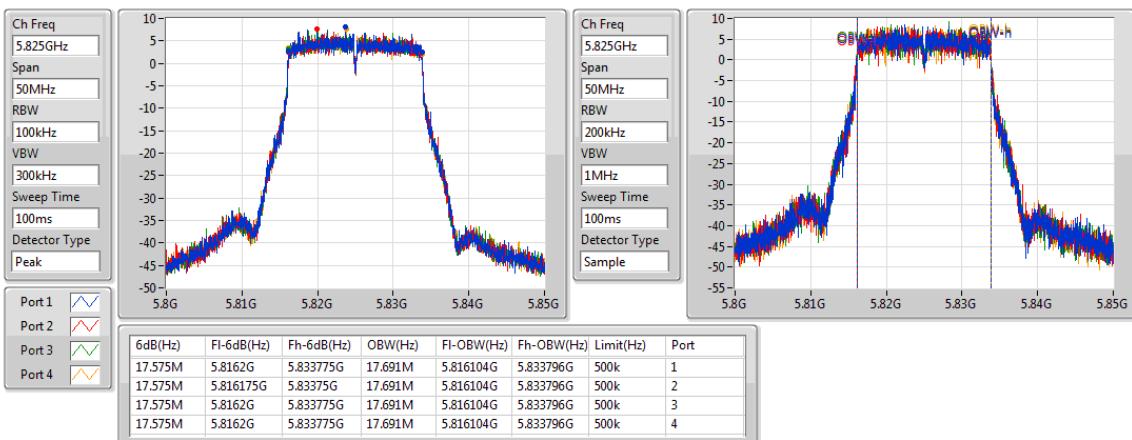
5785MHz



## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5825MHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5190MHz





## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

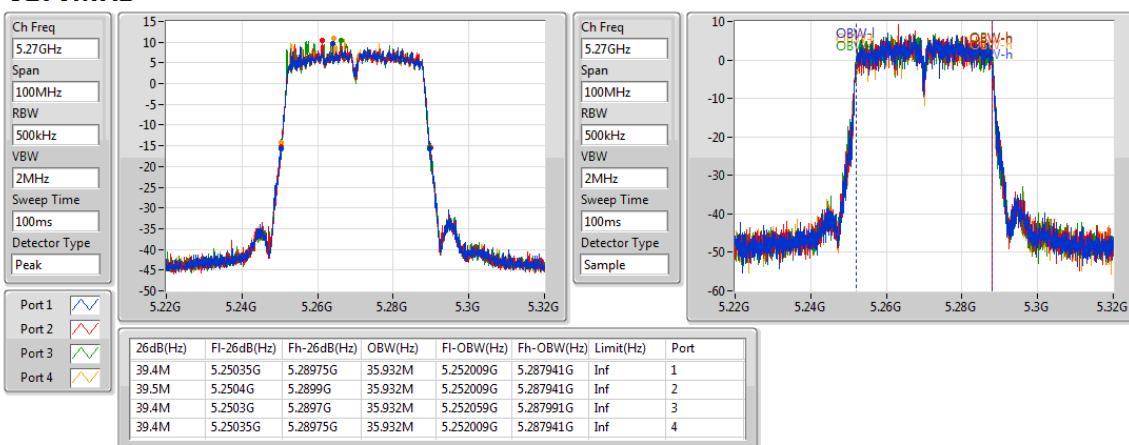
5230MHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

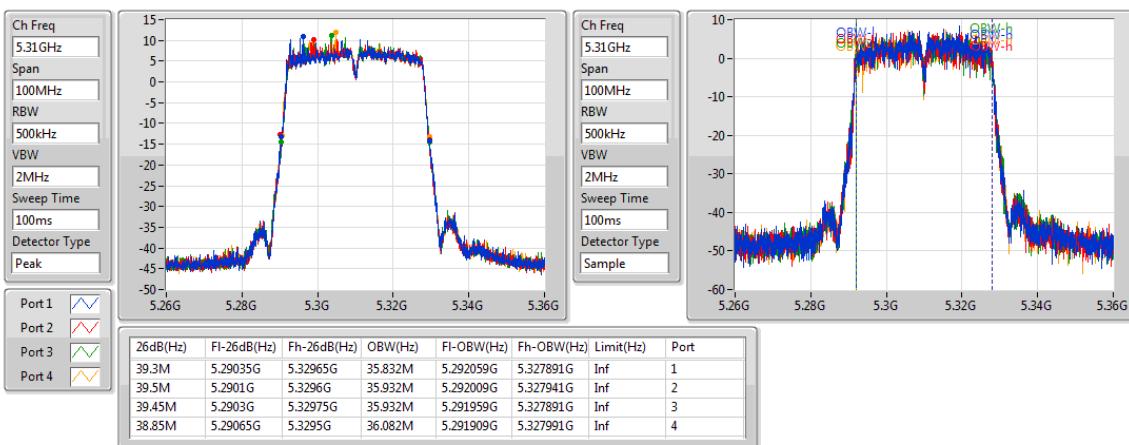
5270MHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5310MHz

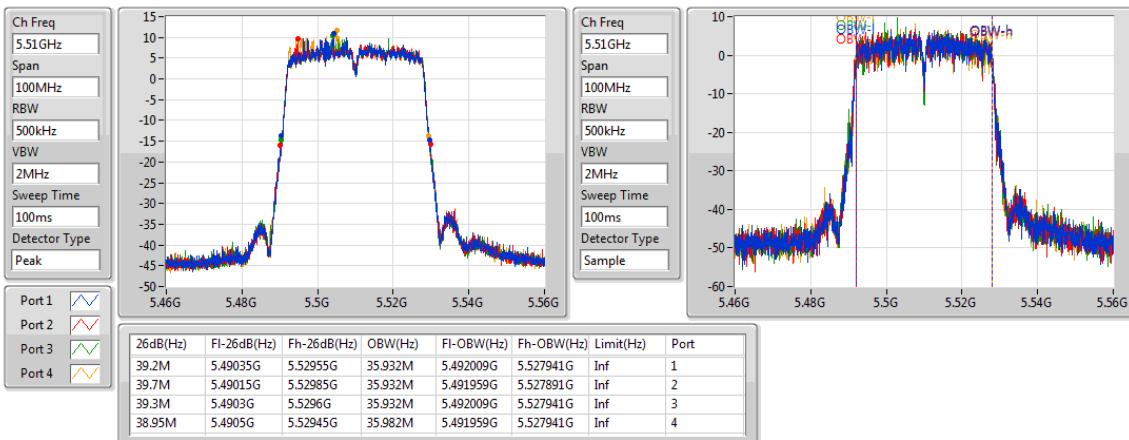




## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

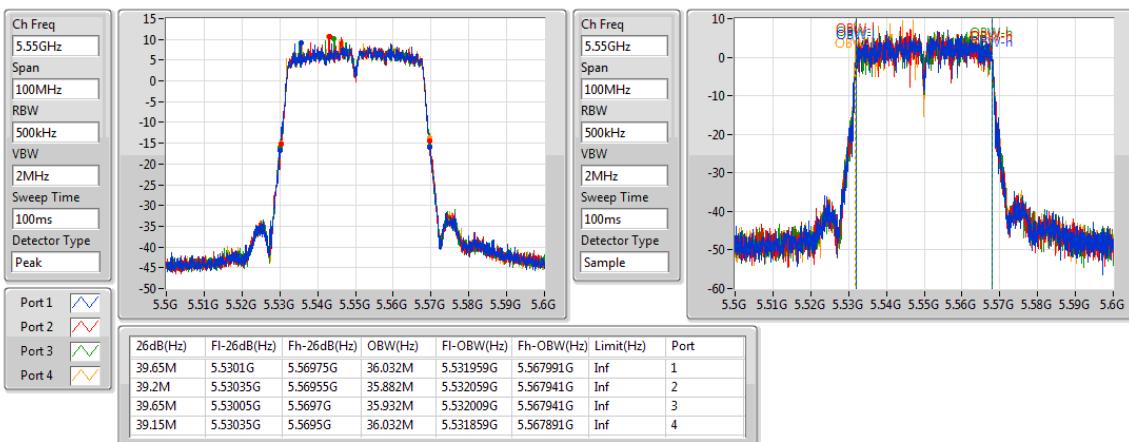
5510MHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

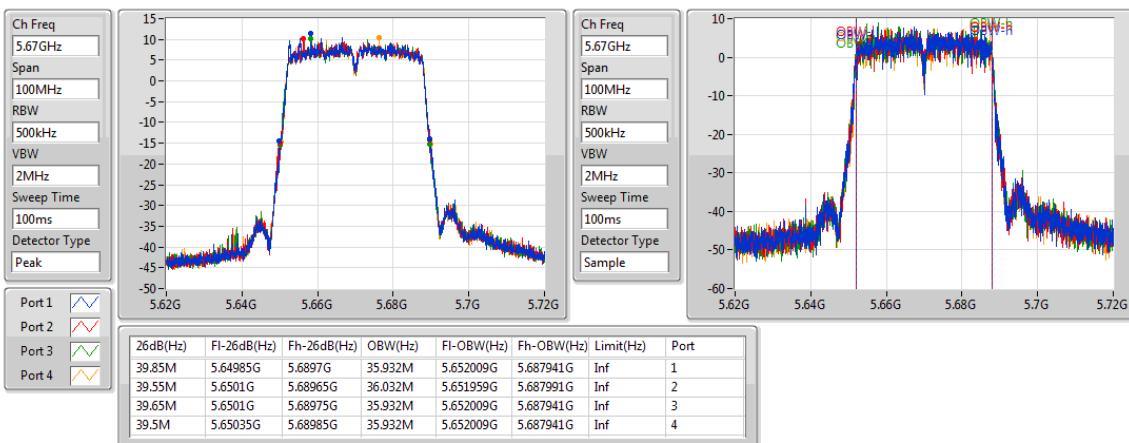
5550MHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5670MHz

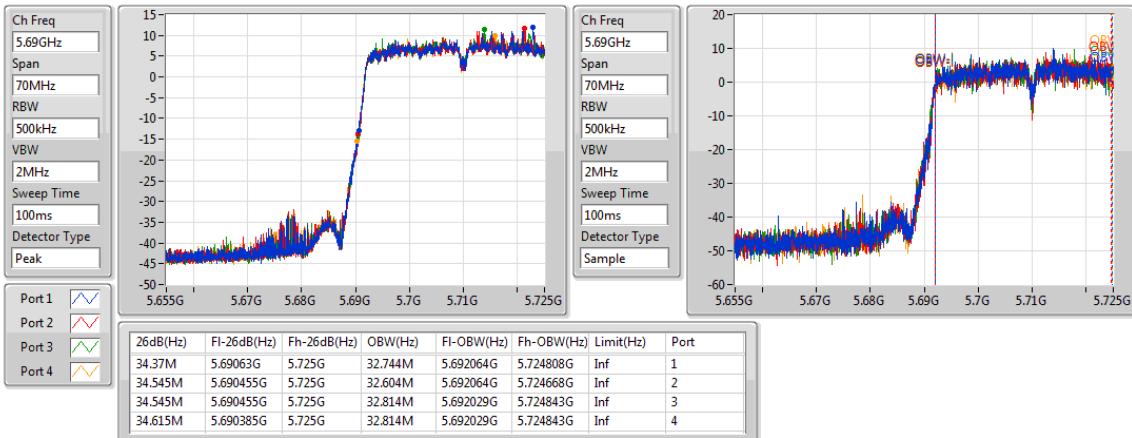




## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

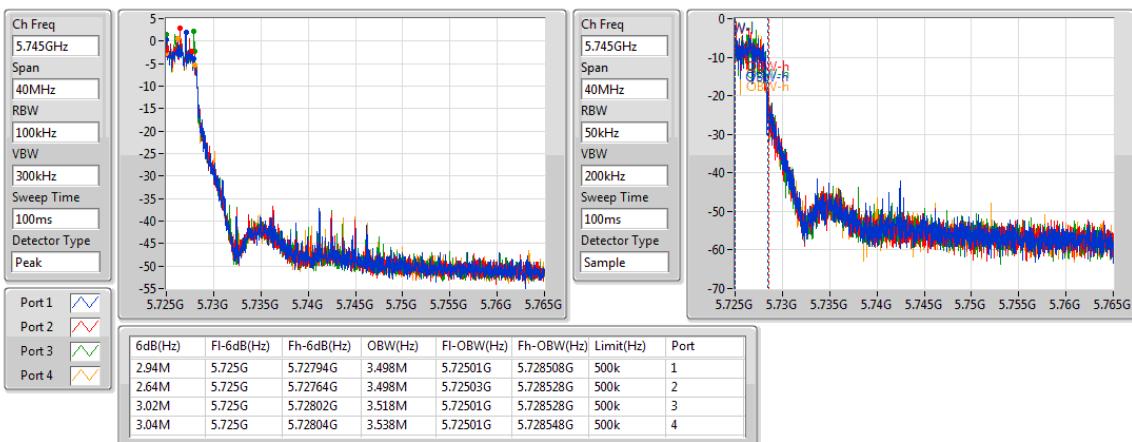
## 5710MHz Straddle 5.47-5.725GHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

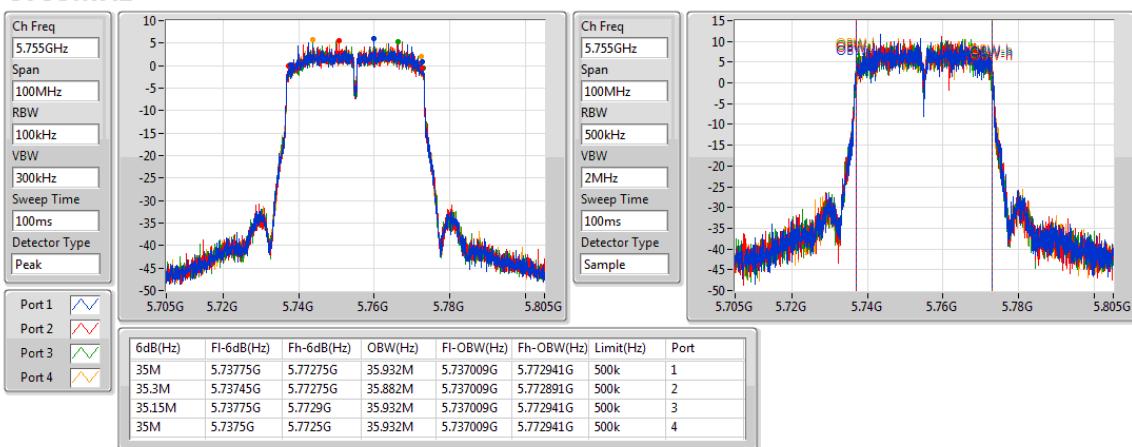
## 5710MHz Straddle 5.725-5.85GHz



## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

## 5755MHz

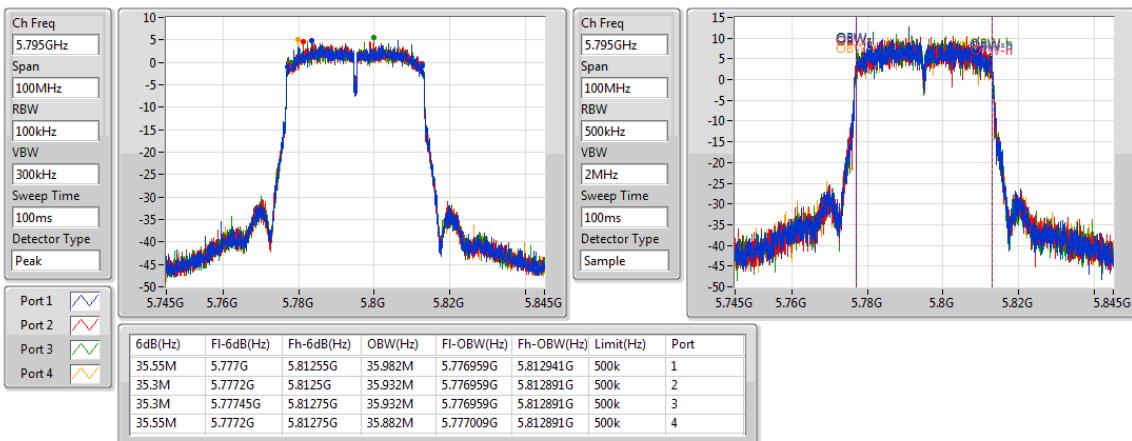




## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

EBW

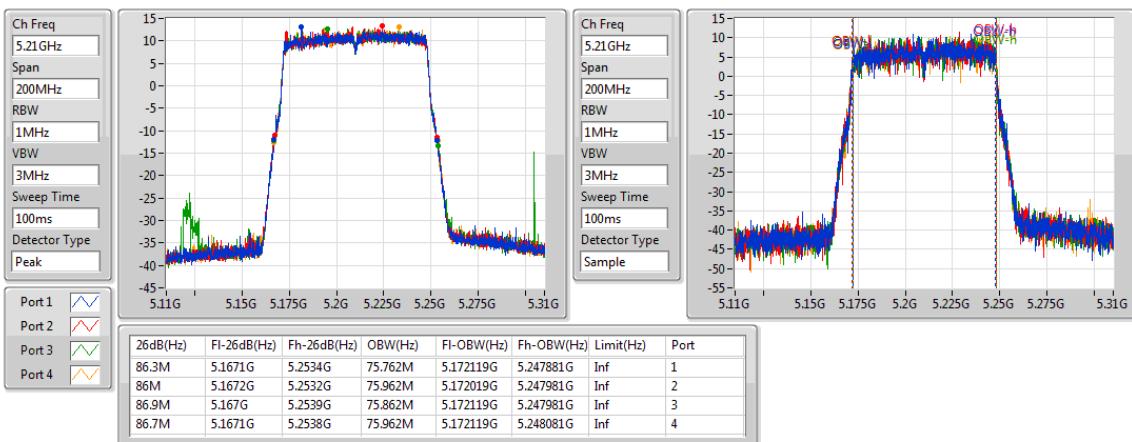
5795MHz



## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

EBW

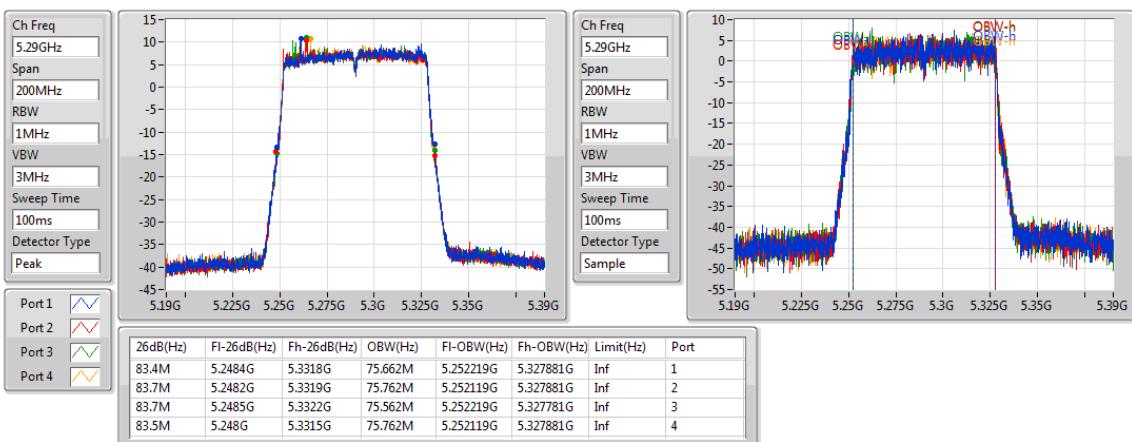
5210MHz



## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

EBW

5290MHz





## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

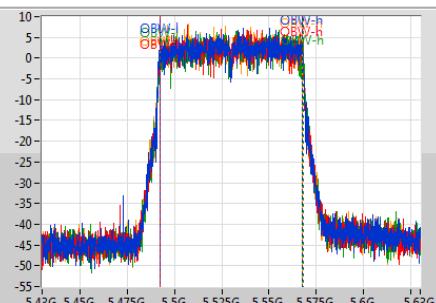
EBW

5530MHz

Ch Freq	5.53GHz
Span	200MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Peak



Ch Freq	5.53GHz
Span	200MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.2M	5.4885G	5.5717G	75.662M	5.492119G	5.567781G	Inf	1
83.2M	5.4883G	5.5715G	75.562M	5.492219G	5.567781G	Inf	2
84.4M	5.4877G	5.5721G	75.762M	5.492219G	5.567981G	Inf	3
82.8M	5.4889G	5.5717G	75.562M	5.492319G	5.567881G	Inf	4

## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

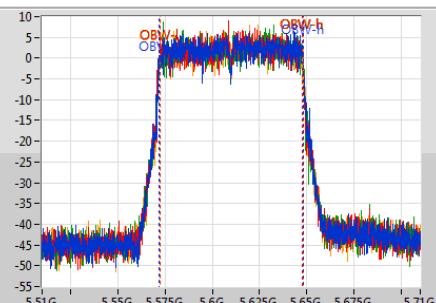
EBW

5610MHz

Ch Freq	5.61GHz
Span	200MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Peak



Ch Freq	5.61GHz
Span	200MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



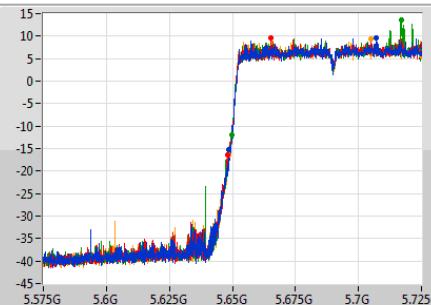
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84.2M	5.5679G	5.6521G	75.962M	5.572019G	5.647981G	Inf	1
84.1M	5.5682G	5.6523G	75.762M	5.572119G	5.647881G	Inf	2
83.7M	5.5684G	5.6521G	75.662M	5.572219G	5.647881G	Inf	3
83.6M	5.5683G	5.6519G	75.862M	5.572119G	5.647981G	Inf	4

## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

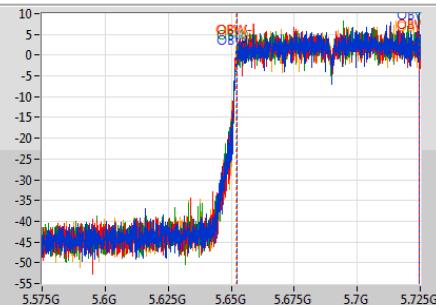
EBW

5690MHz Straddle 5.47-5.725GHz

Ch Freq	5.65GHz
Span	150MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Peak



Ch Freq	5.65GHz
Span	150MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



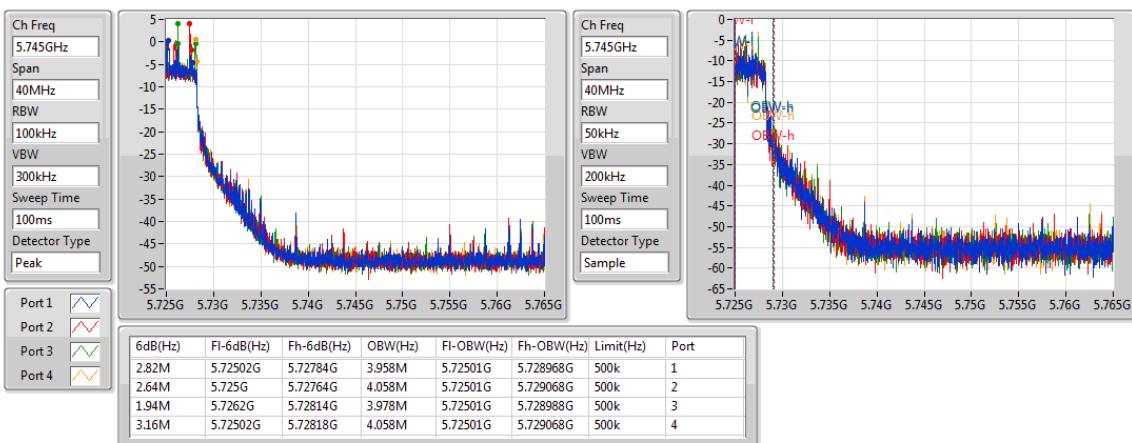
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.5M	5.6485G	5.725G	72.564M	5.652174G	5.724738G	Inf	1
76.8M	5.6482G	5.725G	72.414M	5.652174G	5.724588G	Inf	2
75.225M	5.649775G	5.725G	72.414M	5.652249G	5.724663G	Inf	3
76.425M	5.648575G	5.725G	72.639M	5.652024G	5.724663G	Inf	4



## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

EBW

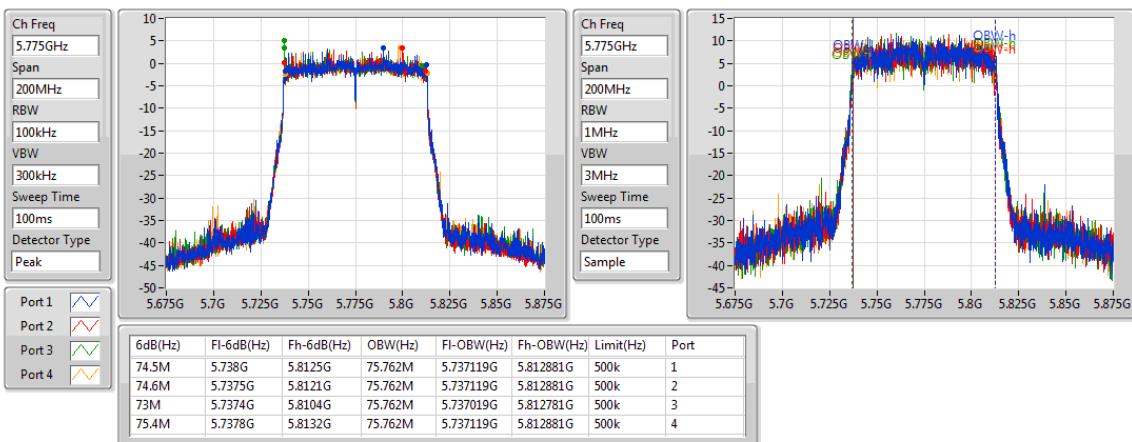
## 5690MHz Straddle 5.725-5.85GHz



## 802.11ac VHT80-BF\_Nss2,(MCS0)\_4TX

EBW

## 5775MHz





## For set 4 antenna / 4T1S

## Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-
5.15-5.25GHz	19.75M	16.442M	16M4D1D	19.275M	16.392M
5.25-5.35GHz	19.85M	16.442M	16M4D1D	19.15M	16.392M
5.47-5.725GHz	19.8M	16.442M	16M4D1D	14.76M	13.163M
5.725-5.85GHz	16.35M	19.79M	19M8D1D	3.14M	3.438M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	20.65M	17.641M	17M6D1D	20.3M	17.591M
5.25-5.35GHz	20.85M	17.641M	17M6D1D	20.3M	17.591M
5.47-5.725GHz	20.65M	17.641M	17M6D1D	14.985M	13.763M
5.725-5.85GHz	17.575M	24.838M	24M8D1D	3.78M	3.938M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	39.9M	36.032M	36M0D1D	38.95M	35.882M
5.25-5.35GHz	40.45M	36.032M	36M0D1D	39.25M	35.882M
5.47-5.725GHz	40.2M	36.032M	36M0D1D	34.58M	32.779M
5.725-5.85GHz	35.95M	36.532M	36M5D1D	3.14M	3.458M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	85.3M	75.762M	75M8D1D	84.9M	75.562M
5.25-5.35GHz	85.9M	75.762M	75M8D1D	84.7M	75.562M
5.47-5.725GHz	86.8M	76.162M	76M2D1D	77.325M	72.414M
5.725-5.85GHz	75.3M	75.962M	76M0D1D	3.14M	5.537M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	21.6M	17.666M	17M7D1D	20.975M	17.616M
5.25-5.35GHz	21.675M	17.691M	17M7D1D	21M	17.616M
5.47-5.725GHz	21.7M	17.716M	17M7D1D	15.495M	13.808M
5.725-5.85GHz	17.6M	17.716M	17M7D1D	3.78M	4.098M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	40.8M	36.032M	36M0D1D	39.95M	35.932M
5.25-5.35GHz	40.6M	36.032M	36M0D1D	40.15M	35.932M
5.47-5.725GHz	40.95M	36.082M	36M1D1D	35.035M	32.779M
5.725-5.85GHz	35.95M	36.082M	36M1D1D	2.74M	3.978M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	87.3M	76.062M	76M1D1D	87.1M	75.762M
5.25-5.35GHz	86.8M	75.962M	76M0D1D	86.4M	75.662M
5.47-5.725GHz	86.8M	76.062M	76M1D1D	77.7M	72.564M
5.725-5.85GHz	75.7M	75.962M	76M0D1D	3.1M	7.096M

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

**Max-OBW** = Maximum 99% occupied bandwidth;

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

**Min-OBW** = Minimum 99% occupied bandwidth;



## Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW dB (Hz)	Port 2-N dB (Hz)	Port 2-OBW dB (Hz)	Port 3-N dB (Hz)	Port 3-OBW dB (Hz)	Port 4-N dB (Hz)	Port 4-OBW dB (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.625M	16.417M	19.525M	16.442M	19.45M	16.417M	19.4M	16.417M
5200MHz	Pass	Inf	19.65M	16.392M	19.75M	16.442M	19.6M	16.392M	19.525M	16.417M
5240MHz	Pass	Inf	19.65M	16.417M	19.475M	16.442M	19.475M	16.417M	19.275M	16.417M
5260MHz	Pass	Inf	19.675M	16.417M	19.775M	16.417M	19.175M	16.442M	19.625M	16.442M
5300MHz	Pass	Inf	19.675M	16.417M	19.525M	16.417M	19.5M	16.442M	19.85M	16.442M
5320MHz	Pass	Inf	19.625M	16.417M	19.75M	16.442M	19.15M	16.417M	19.8M	16.392M
5500MHz	Pass	Inf	19.5M	16.392M	19.275M	16.392M	19.475M	16.392M	19.35M	16.367M
5580MHz	Pass	Inf	19.55M	16.417M	19M	16.367M	19.575M	16.442M	19.8M	16.392M
5700MHz	Pass	Inf	19.675M	16.417M	19.225M	16.392M	19.5M	16.442M	19.8M	16.392M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.015M	13.178M	14.76M	13.163M	14.88M	13.193M	14.955M	13.178M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.478M	3.14M	3.458M	3.16M	3.438M	3.18M	3.478M
5745MHz	Pass	500k	16.275M	16.942M	16.325M	16.617M	16.3M	17.316M	16.35M	16.842M
5785MHz	Pass	500k	16.3M	19.515M	16.325M	16.592M	16.275M	19.79M	16.325M	17.341M
5825MHz	Pass	500k	16.325M	18.441M	16.3M	16.717M	16.275M	17.866M	16.325M	18.316M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.45M	17.591M	20.6M	17.616M	20.65M	17.616M	20.3M	17.616M
5200MHz	Pass	Inf	20.425M	17.616M	20.575M	17.616M	20.6M	17.641M	20.325M	17.641M
5240MHz	Pass	Inf	20.325M	17.641M	20.45M	17.641M	20.475M	17.616M	20.325M	17.591M
5260MHz	Pass	Inf	20.475M	17.641M	20.7M	17.641M	20.65M	17.616M	20.325M	17.616M
5300MHz	Pass	Inf	20.45M	17.616M	20.85M	17.616M	20.525M	17.591M	20.575M	17.641M
5320MHz	Pass	Inf	20.5M	17.616M	20.525M	17.616M	20.55M	17.591M	20.3M	17.591M
5500MHz	Pass	Inf	20.5M	17.591M	20.4M	17.591M	20.575M	17.616M	20.275M	17.591M
5580MHz	Pass	Inf	20.475M	17.616M	20.35M	17.616M	20.55M	17.616M	20.375M	17.616M
5700MHz	Pass	Inf	20.525M	17.641M	20.55M	17.591M	20.65M	17.616M	20.5M	17.616M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.985M	13.793M	15.09M	13.778M	15.18M	13.808M	15.09M	13.763M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	3.998M	3.86M	3.938M	3.86M	3.938M	3.78M	3.958M
5745MHz	Pass	500k	17.55M	19.34M	16.875M	17.791M	17.15M	19.89M	17.525M	18.791M
5785MHz	Pass	500k	17.575M	23.463M	17.525M	17.816M	17.525M	21.339M	17.575M	20.565M
5825MHz	Pass	500k	17.525M	24.838M	17.525M	17.941M	17.2M	22.339M	17.575M	20.865M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.75M	35.982M	39.8M	35.982M	39.7M	35.932M	39.2M	35.882M
5230MHz	Pass	Inf	39.85M	35.982M	39.9M	35.932M	39.8M	36.032M	38.95M	35.932M
5270MHz	Pass	Inf	39.9M	35.932M	40.4M	35.982M	40.45M	36.032M	40.2M	36.032M
5310MHz	Pass	Inf	39.8M	35.982M	39.6M	35.882M	39.55M	35.982M	39.25M	35.982M
5510MHz	Pass	Inf	39.8M	35.932M	39.9M	35.982M	39.6M	35.982M	39.3M	35.932M
5550MHz	Pass	Inf	40.1M	35.982M	40.2M	36.032M	39.65M	35.882M	39.55M	36.032M
5670MHz	Pass	Inf	39.9M	35.932M	40.15M	36.032M	39.8M	35.932M	39.3M	35.982M

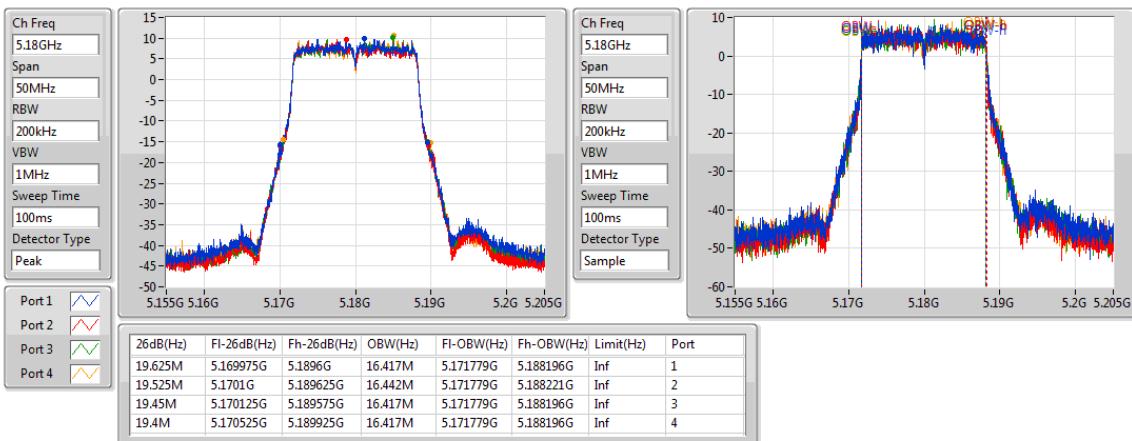
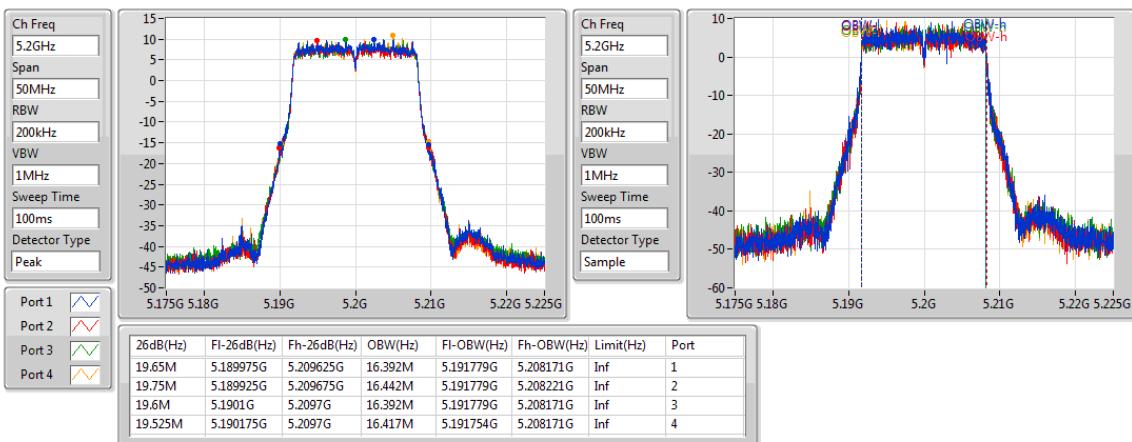
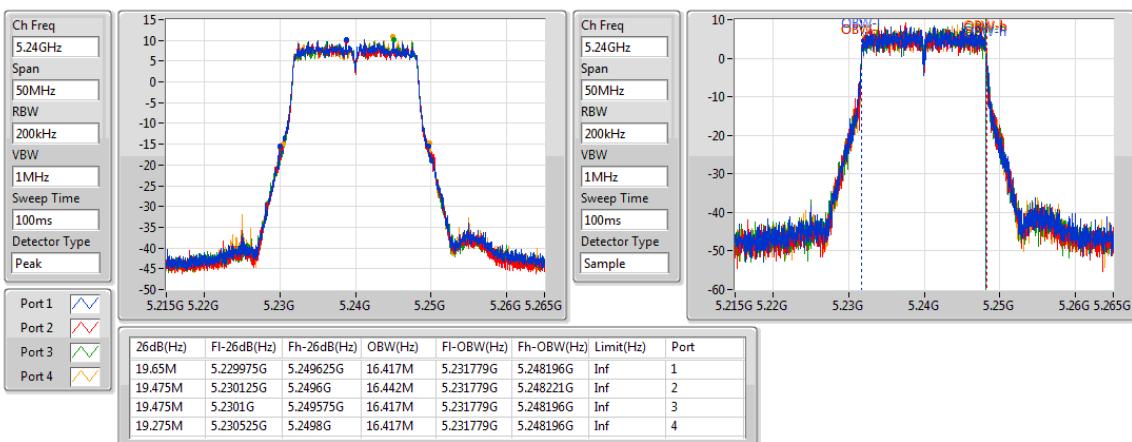

**FCC Test Report**
**Report No. : FR760624AB**

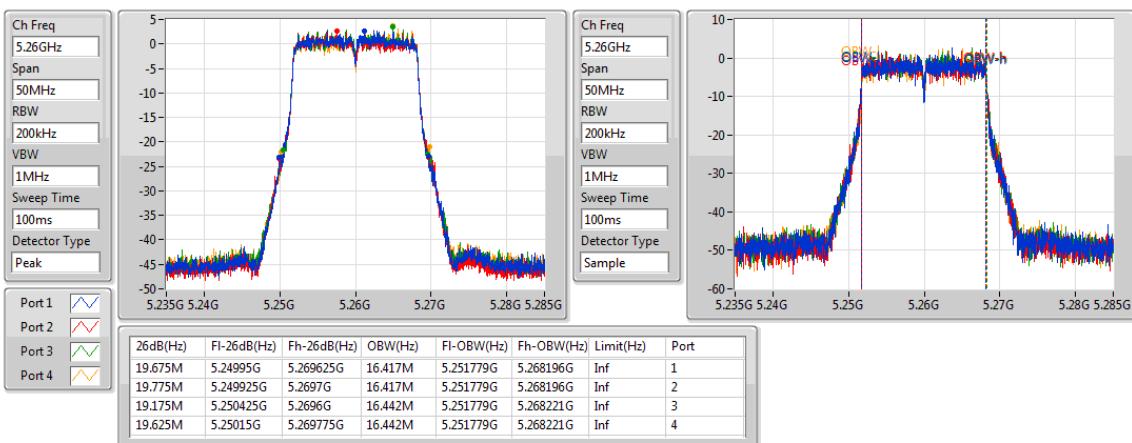
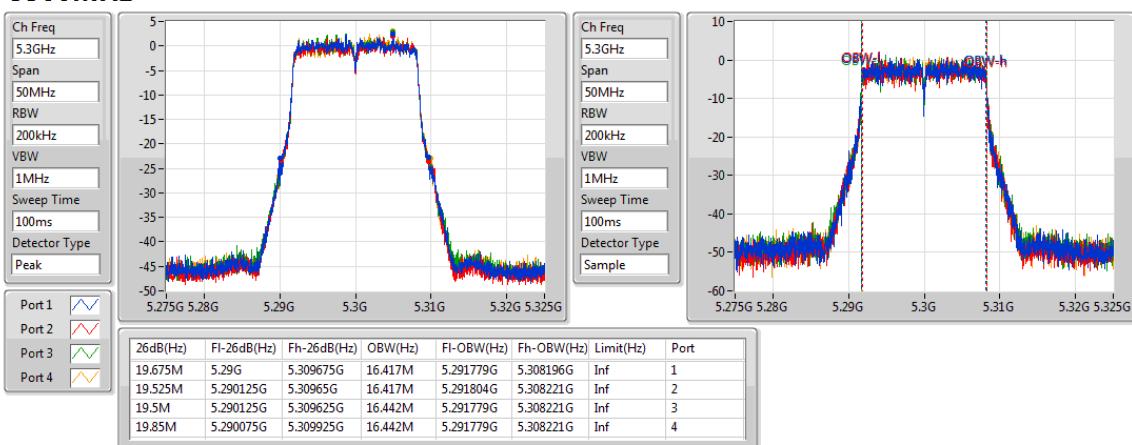
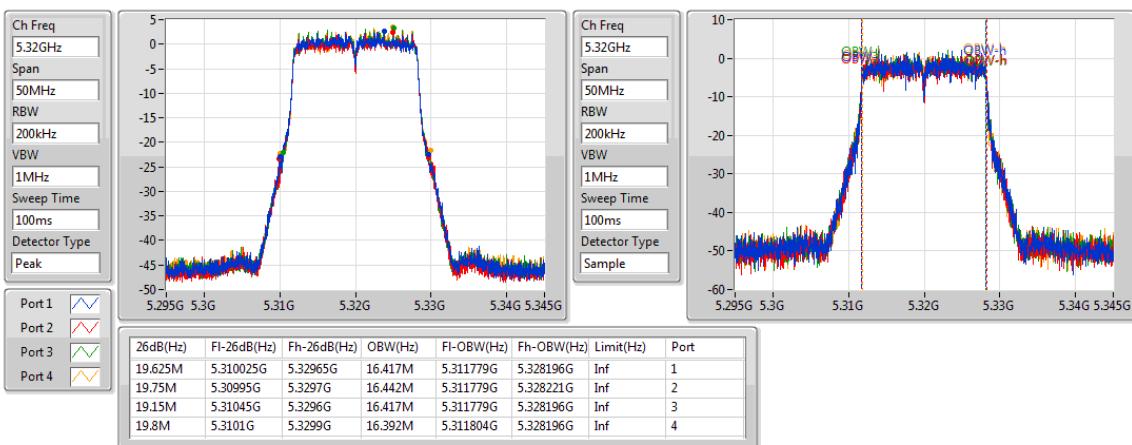
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.86M	32.849M	34.895M	32.884M	34.755M	32.849M	34.58M	32.779M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.478M	3.14M	3.478M	3.22M	3.478M	3.16M	3.458M
5755MHz	Pass	500k	35.05M	36.032M	35.25M	35.982M	35.3M	36.032M	33.8M	35.982M
5795MHz	Pass	500k	35M	36.382M	35.05M	36.082M	35.7M	36.532M	35.95M	36.332M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	85.1M	75.762M	84.9M	75.662M	85.3M	75.662M	85.3M	75.562M
5290MHz	Pass	Inf	84.7M	75.562M	84.7M	75.762M	85.2M	75.762M	85.9M	75.762M
5530MHz	Pass	Inf	84.5M	75.762M	84.8M	76.162M	85.6M	75.662M	85.5M	75.662M
5610MHz	Pass	Inf	86.8M	76.062M	86.7M	76.062M	86.6M	75.862M	86.7M	75.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.55M	72.414M	77.325M	72.489M	77.55M	72.564M	77.325M	72.414M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	5.677M	3.14M	5.537M	3.14M	5.557M	3.14M	5.577M
5775MHz	Pass	500k	71.1M	75.762M	67.6M	75.962M	73.9M	75.862M	75.3M	75.762M
802.11ac VHT20-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.475M	17.666M	21.5M	17.616M	21.475M	17.641M	21.525M	17.641M
5200MHz	Pass	Inf	21.4M	17.641M	21.225M	17.641M	21.325M	17.641M	21.6M	17.666M
5240MHz	Pass	Inf	21.375M	17.641M	20.975M	17.666M	21.225M	17.666M	21.525M	17.616M
5260MHz	Pass	Inf	21.575M	17.691M	21.6M	17.616M	21.15M	17.666M	21.5M	17.641M
5300MHz	Pass	Inf	21.575M	17.666M	21.225M	17.666M	21M	17.641M	21.475M	17.641M
5320MHz	Pass	Inf	21.3M	17.666M	21.675M	17.641M	21.4M	17.666M	21.675M	17.641M
5500MHz	Pass	Inf	21.55M	17.641M	20.875M	17.666M	21.275M	17.666M	21.2M	17.666M
5580MHz	Pass	Inf	21.475M	17.691M	21.25M	17.666M	21.35M	17.666M	21.125M	17.666M
5700MHz	Pass	Inf	21.3M	17.666M	21.525M	17.666M	21.275M	17.691M	21.7M	17.716M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.675M	13.838M	15.495M	13.823M	15.555M	13.808M	15.57M	13.808M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	4.098M	3.78M	4.138M	3.86M	4.218M	3.78M	4.218M
5745MHz	Pass	500k	17.525M	17.716M	17.575M	17.666M	17.525M	17.666M	17.575M	17.666M
5785MHz	Pass	500k	17.55M	17.666M	17.575M	17.666M	17.6M	17.716M	17.575M	17.666M
5825MHz	Pass	500k	17.575M	17.691M	17.55M	17.691M	17.55M	17.666M	17.55M	17.666M
802.11ac VHT40-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.2M	35.932M	40.45M	35.982M	40.8M	35.982M	40.55M	36.032M
5230MHz	Pass	Inf	39.95M	35.982M	40.05M	36.032M	40.1M	36.032M	40.35M	35.982M
5270MHz	Pass	Inf	40.2M	35.982M	40.25M	36.032M	40.15M	36.032M	40.45M	36.032M
5310MHz	Pass	Inf	40.55M	36.032M	40.6M	35.982M	40.2M	35.932M	40.45M	36.032M
5510MHz	Pass	Inf	39.95M	35.982M	40.3M	35.932M	40.2M	35.982M	40.6M	35.982M
5550MHz	Pass	Inf	40.3M	35.982M	40M	36.082M	40.25M	36.032M	40.15M	35.982M
5670MHz	Pass	Inf	40.95M	36.032M	39.95M	36.032M	40.25M	36.032M	40.35M	35.982M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.035M	32.884M	35.035M	32.849M	35.315M	32.849M	35.07M	32.779M

**FCC Test Report****Report No. : FR760624AB**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.04M	4.118M	2.74M	4.018M	3.18M	3.978M	3.2M	4.018M
5755MHz	Pass	500k	35.05M	35.982M	35.3M	36.032M	35.95M	35.982M	34.6M	35.982M
5795MHz	Pass	500k	35.05M	36.032M	35.5M	36.032M	35.3M	36.082M	35.2M	36.082M
802.11ac VHT80-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	87.3M	75.962M	87.3M	75.762M	87.1M	75.962M	87.1M	76.062M
5290MHz	Pass	Inf	86.8M	75.662M	86.4M	75.762M	86.5M	75.962M	86.4M	75.862M
5530MHz	Pass	Inf	86.4M	75.862M	86.5M	75.862M	86.1M	75.962M	86.7M	75.962M
5610MHz	Pass	Inf	86.8M	75.962M	86.8M	76.062M	86.5M	75.962M	86.6M	76.062M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.7M	72.564M	78.15M	72.639M	78.675M	72.639M	77.7M	72.639M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	7.136M	3.2M	7.096M	3.18M	7.236M	3.1M	7.156M
5775MHz	Pass	500k	75.7M	75.962M	75.4M	75.962M	75.5M	75.662M	75.6M	75.862M

**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\_(6Mbps)\_4TX****EBW****5180MHz****802.11a\_(6Mbps)\_4TX****EBW****5200MHz****802.11a\_(6Mbps)\_4TX****EBW****5240MHz**

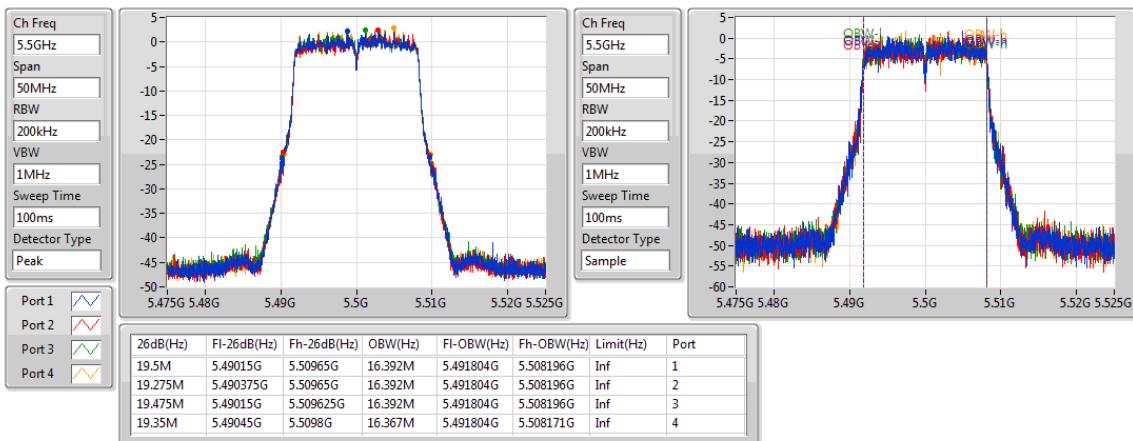
**802.11a\_(6Mbps)\_4TX****EBW****5260MHz****802.11a\_(6Mbps)\_4TX****EBW****5300MHz****802.11a\_(6Mbps)\_4TX****EBW****5320MHz**



## 802.11a\_(6Mbps)\_4TX

EBW

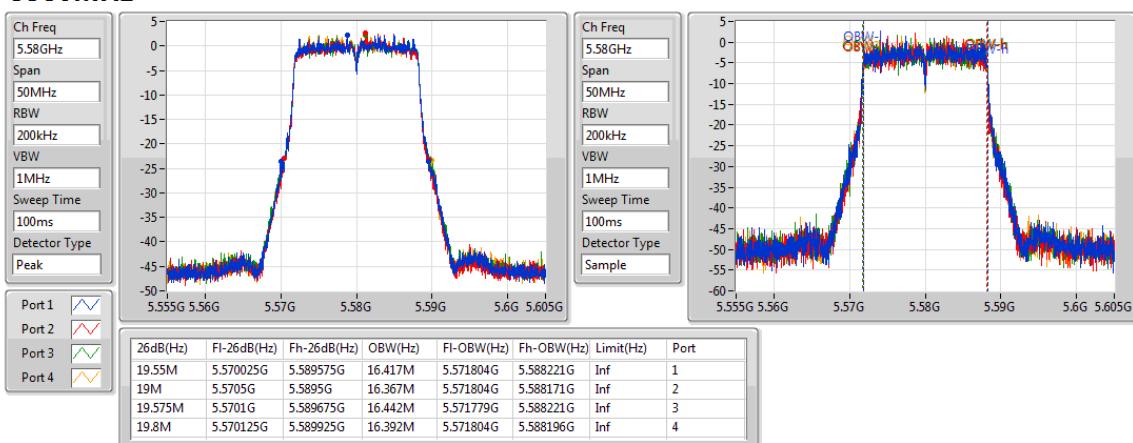
## 5500MHz



## 802.11a\_(6Mbps)\_4TX

EBW

## 5580MHz



## 802.11a\_(6Mbps)\_4TX

EBW

## 5700MHz

