



FCC Test Report

Equipment : Wireless 802.11 a/b/g/n/ac Access Point
Brand Name : CISCO
Model No. : MR42E-HW
FCC ID : UDX-60063010
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. 06, 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

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Testing Applied Standards	13
1.3	Testing Location Information	13
1.4	Measurement Uncertainty	14
2	TEST CONFIGURATION OF EUT	15
2.1	Test Channel Mode	15
2.2	The Worst Case Measurement Configuration.....	81
2.3	EUT Operation during Test	85
2.4	Accessories	85
2.5	Support Equipment.....	86
2.6	Test Setup Diagram	87
3	TRANSMITTER TEST RESULT	90
3.1	AC Power-line Conducted Emissions	90
3.2	Emission Bandwidth	93
3.3	Maximum Conducted Output Power	607
3.4	Peak Power Spectral Density.....	771
3.5	Unwanted Emissions.....	1283
3.6	Frequency Stability	3622
4	TEST EQUIPMENT AND CALIBRATION DATA.....	3644

APPENDIX A. TEST RESULTS OF RADIATED EMISSION CO-LOCATION**APPENDIX B. TEST PHOTOS****PHOTOGRAPHS OF EUT V01**



Summary of Test Result

Conformance Test Specifications			
Report Clause	Ref. Std. Clause	Description	Result
1.1.2	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

Report No.	Version	Description	Issued Date
FR760613AC	Rev. 01	Initial issue of report	Oct. 02, 2017
FR760613AC	Rev. 01	Modifying the brand name and model name of Antenna for the test report.	Oct. 25, 2017



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]

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

**FCC Test Report**

Report No. : FR760613AC

Band	Mode	BWch (MHz)	Nant
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
5.15-5.25GHz	802.11a	20	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11a	20	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11a	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11n HT20-BF	20	2TX
5.15-5.25GHz	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11n HT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.25-5.35GHz	802.11n HT20-BF	20	2TX

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Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ac VHT20-BF	20	2TX
5.25-5.35GHz	802.11n HT40-BF	40	2TX
5.25-5.35GHz	802.11ac VHT40-BF	40	2TX
5.25-5.35GHz	802.11ac VHT80-BF	80	2TX
5.47-5.725GHz	802.11n HT20-BF	20	2TX
5.47-5.725GHz	802.11ac VHT20-BF	20	2TX
5.47-5.725GHz	802.11n HT40-BF	40	2TX
5.47-5.725GHz	802.11ac VHT40-BF	40	2TX
5.47-5.725GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11n HT20-BF	20	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX
5.725-5.85GHz	802.11n HT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX
5.15-5.25GHz	802.11a	20	3TX
5.15-5.25GHz	802.11n HT20	20	3TX
5.15-5.25GHz	802.11ac VHT20	20	3TX
5.15-5.25GHz	802.11n HT40	40	3TX
5.15-5.25GHz	802.11ac VHT40	40	3TX
5.15-5.25GHz	802.11ac VHT80	80	3TX
5.25-5.35GHz	802.11a	20	3TX
5.25-5.35GHz	802.11n HT20	20	3TX
5.25-5.35GHz	802.11ac VHT20	20	3TX
5.25-5.35GHz	802.11n HT40	40	3TX
5.25-5.35GHz	802.11ac VHT40	40	3TX
5.25-5.35GHz	802.11ac VHT80	80	3TX
5.47-5.725GHz	802.11a	20	3TX
5.47-5.725GHz	802.11n HT20	20	3TX
5.47-5.725GHz	802.11ac VHT20	20	3TX
5.47-5.725GHz	802.11n HT40	40	3TX
5.47-5.725GHz	802.11ac VHT40	40	3TX
5.47-5.725GHz	802.11ac VHT80	80	3TX
5.725-5.85GHz	802.11a	20	3TX
5.725-5.85GHz	802.11n HT20	20	3TX
5.725-5.85GHz	802.11ac VHT20	20	3TX
5.725-5.85GHz	802.11n HT40	40	3TX

**FCC Test Report**

Report No. : FR760613AC

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ac VHT40	40	3TX
5.725-5.85GHz	802.11ac VHT80	80	3TX
5.15-5.25GHz	802.11n HT20-BF	20	3TX
5.15-5.25GHz	802.11ac VHT20-BF	20	3TX
5.15-5.25GHz	802.11n HT40-BF	40	3TX
5.15-5.25GHz	802.11ac VHT40-BF	40	3TX
5.15-5.25GHz	802.11ac VHT80-BF	80	3TX
5.25-5.35GHz	802.11n HT20-BF	20	3TX
5.25-5.35GHz	802.11ac VHT20-BF	20	3TX
5.25-5.35GHz	802.11n HT40-BF	40	3TX
5.25-5.35GHz	802.11ac VHT40-BF	40	3TX
5.25-5.35GHz	802.11ac VHT80-BF	80	3TX
5.47-5.725GHz	802.11n HT20-BF	20	3TX
5.47-5.725GHz	802.11ac VHT20-BF	20	3TX
5.47-5.725GHz	802.11n HT40-BF	40	3TX
5.47-5.725GHz	802.11ac VHT40-BF	40	3TX
5.47-5.725GHz	802.11ac VHT80-BF	80	3TX
5.725-5.85GHz	802.11n HT20-BF	20	3TX
5.725-5.85GHz	802.11ac VHT20-BF	20	3TX
5.725-5.85GHz	802.11n HT40-BF	40	3TX
5.725-5.85GHz	802.11ac VHT40-BF	40	3TX
5.725-5.85GHz	802.11ac VHT80-BF	80	3TX

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 Antenna Information

Set	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	Antenn Gain (dBi)			Cable Loss (dB)			True Gain (dBi)		
	Port 1	Port 2	Port 3	Port 1 (Red)	Port 2 (Gray)	Port 3 (White)	Port 1	Port 2	Port 3
1	4.9	4.9	4.9	0.8	0.8	1.2	4.1	4.1	3.7
2	4.1	4.1	4.1	0.8	0.8	1.2	3.3	3.3	2.9
3	11.55	11.55	11.55	0.8	0.8	1.2	10.75	10.75	10.35
4	6.7	6.7	6.7	0.8	0.8	1.2	5.9	5.9	5.5
5	5.1	5.1	5.1	0.8	0.8	1.2	4.3	4.3	3.9
6	3.16	3.16	3.16	0.8	0.8	1.2	2.36	2.36	1.96

Radio 2 (5GHz)									
Set	Antenn Gain (dBi)			Cable Loss (dB)			True Gain (dBi)		
	Port 1	Port 2	Port 3	Port 1 (Red)	Port 2 (Gray)	Port 3 (White)	Port 1	Port 2	Port 3
1	6.1	6.1	6.1	1.2	1.2	1.7	4.9	4.9	4.4
2	6.9	6.9	6.9	1.2	1.2	1.7	5.7	5.7	5.2
3	10.94	10.94	10.94	1.2	1.2	1.7	9.74	9.74	9.24
4	6.93	6.93	6.93	1.2	1.2	1.7	5.73	5.73	5.23
5	5.4	5.4	5.4	1.2	1.2	1.7	4.2	4.2	3.7
6	3.95	3.95	3.95	1.2	1.2	1.7	2.75	2.75	2.25



Radio 3 (2.4GHz + 5GHz)						
Set	Antenn Gain (dBi)		Cable Loss (dB)		True Gain (dBi)	
	Port 1		Port 1 (Green)		Port 1	
	2.4GHz	5GHz	2.4GHz	5GHz	2.4GHz	5GHz
1	4.9	6.1	1.2	1.7	3.7	4.4
2	4.1	6.9	1.2	1.7	2.9	5.2
3	11.55	10.94	1.2	1.7	10.35	9.24
4	6.7	6.93	1.2	1.7	5.5	5.23
5	5.1	5.4	1.2	1.7	3.9	3.7
6	3.16	3.95	1.2	1.7	1.96	2.25

Radio 4 (Bluetooth)						
Set	Antenn Gain (dBi)		Cable Loss (dB)		True Gain (dBi)	
	Port 1		Port 1 (Blue)		Port 1	
	2.4GHz	5GHz	2.4GHz	5GHz	2.4GHz	5GHz
1	4.9	-	0.6	-	4.3	-
2	4.1	-	0.6	-	3.5	-
3	11.55	-	0.6	-	10.95	-
4	6.7	-	0.6	-	6.1	-
5	5.1	-	0.6	-	4.5	-
6	3.16	-	0.6	-	2.56	-

3TX Correlated Composite Gain(dBi) for Radio 1 and Radio 2						
Set	Antenn Gain (dBi)		Cable Loss (dB)		True Gain (dBi)	
	2.4GHz	5GHz	2.4GHz	5GHz	2.4GHz	5GHz
1	7.10	-	1.2	-	5.9	-
3	16.43	15.18	1.2	1.2	15.2	14.0
4	10.98	11.52	1.2	1.2	9.8	10.3
5	6.60	7.00	1.2	1.2	5.4	5.8
6	6.40	7.01	1.2	1.2	5.2	5.8
Set	3TX Directional gain (dBi) for Radio 2					
2	10.31					



2TX Correlated Composite Gain(dBi) for Radio 1 and Radio 2						
Set	Antenn Gain (dBi)		Cable Loss (dB)		True Gain (dBi)	
	2.4GHz	5GHz	2.4GHz	5GHz	2.4GHz	5GHz
1	5.70	-	1.2	-	4.5	-
3	14.42	12.17	1.2	1.2	13.2	11.0
4	9.93	10.18	1.2	1.2	8.7	9.0
5	4.80	5.60	1.2	1.2	3.6	4.4
6	5.29	4.85	1.2	1.2	4.1	3.7
Set	2TX Directional gain (dBi) for Radio 2					
2	8.46					

Note: The EUT has six set antennas and there are five antennas for each set.

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.

<For Radio 1 (2.4GHz Functions) >

For 1TX/3RX:

Only Port 1 can be use as transmitting antenna

Port 1, Port 2 and Port 3 can be used as receiving antennas.

Port 1, Port 2 and Port 3 could receive simultaneously.

For 2TX/3RX:

Only Port 1 and Port 2 can be use as transmitting antenna

Port 1, Port 2 and Port 3 can be used as receiving antennas.

Port 1, Port 2 and Port 3 could receive simultaneously.

For 3TX/3RX:

Port 1, Port 2 and Port 3 can be use as transmitting antenna

Port 1, Port 2 and Port 3 can be used as receiving antennas.

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

< Radio 2 (5GHz Functions) >

For 1TX/3RX:

Only Port 1 can be use as transmitting antenna

Port 1, Port 2 and Port 3 can be used as receiving antennas.

Port 1, Port 2 and Port 3 could receive simultaneously.

For 2TX/3RX:

Only Port 2 and Port 3 can be use as transmitting antenna

Port 1, Port 2 and Port 3 can be used as receiving antennas.



Port 1, Port 2 and Port 3 could receive simultaneously.

For 3TX/3RX:

Port 1, Port 2 and Port 3 can be used as transmitting antenna

Port 1, Port 2 and Port 3 can be used as receiving antennas.

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

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

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

<For Radio 4 / Bluetooth Functions>

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

1.1.3 Mode Test Duty Cycle

For Radio 2

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ac VHT20	0.987	0.057	n/a (DC≥=0.98)	n/a (DC≥=0.98)
802.11ac VHT40	0.971	0.128	2.44m	1k
802.11ac VHT80	0.947	0.237	1.15m	1k
802.11ac VHT20-BF	0.939	0.273	1.823m	1k
802.11ac VHT40-BF	0.917	0.376	1.758m	1k
802.11ac VHT80-BF	0.906	0.429	1.633m	1k

For Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.956	0.195	2.049m	1k
802.11ac VHT20	0.966	0.15	1.925m	1k
802.11ac VHT40	0.929	0.32	947.5u	3k
802.11ac VHT80	0.868	0.615	465u	3k

1.1.4 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, Peter Wu, Gary Chu	25°C / 56%	Jul. 04, 2017 ~ Aug. 21, 2017
Radiated	03CH01-CB	Joy Tseng	22°C / 54%	Jun. 20, 2017 ~ Sep. 01, 2017
AC Conduction	CO01-CB	Deven Huang	23°C / 60%	Jul. 13, 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	9.74×10^{-8}	Confidence levels of 95%
Frequency Stability	6.06×10^{-8}	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For Radio 2

For Set 2 antennas / 1TX:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	20
5300MHz	20
5320MHz	20
5500MHz	20.5
5580MHz	20.5
5700MHz	20.5
5720MHz Straddle 5.47-5.725GHz	21.5
5720MHz Straddle 5.725-5.85GHz	21.5
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	20.5
5200MHz	20.5
5240MHz	20.5
5260MHz	20.5
5300MHz	20.5
5320MHz	20.5
5500MHz	21
5580MHz	21
5700MHz	21
5720MHz Straddle 5.47-5.725GHz	22
5720MHz Straddle 5.725-5.85GHz	22
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	19
5230MHz	20.5
5270MHz	20.5
5310MHz	16
5510MHz	20



Mode	Power Setting
5550MHz	21
5670MHz	20.5
5710MHz Straddle 5.47-5.725GHz	21
5710MHz Straddle 5.725-5.85GHz	21
5755MHz	21
5795MHz	21
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	19.5
5290MHz	13.5
5530MHz	20
5610MHz	21
5690MHz Straddle 5.47-5.725GHz	21
5690MHz Straddle 5.725-5.85GHz	21
5775MHz	21



For Set 2 antennas / 2TX:

Mode	Power Setting
802.11a_(6Mbps)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	17.5
5300MHz	17.5
5320MHz	18
5500MHz	17.5
5580MHz	18
5700MHz	18
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	20.5
5200MHz	20.5
5240MHz	20.5
5260MHz	18
5300MHz	18
5320MHz	18.5
5500MHz	18
5580MHz	18
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	18.5
5720MHz Straddle 5.725-5.85GHz	18.5
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	18.5
5230MHz	19.5
5270MHz	19.5
5310MHz	15.5
5510MHz	19.5
5550MHz	19.5
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5
5755MHz	19.5

**FCC Test Report**

Report No. : FR760613AC

Mode	Power Setting
5795MHz	19.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	19
5290MHz	13
5530MHz	20
5610MHz	20
5690MHz Straddle 5.47-5.725GHz	20
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	20
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	17
5300MHz	17
5320MHz	17.5
5500MHz	17.5
5580MHz	18
5700MHz	18
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	18.5
5230MHz	19.5
5270MHz	17.5
5310MHz	16
5510MHz	17.5
5550MHz	18
5670MHz	18
5710MHz Straddle 5.47-5.725GHz	18
5710MHz Straddle 5.725-5.85GHz	18
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	18.5
5290MHz	14.5
5530MHz	18
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	18.5

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	18.5
5775MHz	20



For Set 2 antennas / 3TX:

Mode	Power Setting
802.11a_(6Mbps)_3TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	14
5300MHz	14
5320MHz	14
5500MHz	14.5
5580MHz	14.5
5700MHz	14.5
5720MHz Straddle 5.47-5.725GHz	14.5
5720MHz Straddle 5.725-5.85GHz	14.5
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT20_Nss1,(MCS0)_3TX	-
5180MHz	20.5
5200MHz	20.5
5240MHz	20.5
5260MHz	14.5
5300MHz	14.5
5320MHz	15
5500MHz	15
5580MHz	15
5700MHz	15
5720MHz Straddle 5.47-5.725GHz	15
5720MHz Straddle 5.725-5.85GHz	15
5745MHz	21
5785MHz	21
5825MHz	21
802.11ac VHT40_Nss1,(MCS0)_3TX	-
5190MHz	18
5230MHz	19.5
5270MHz	16
5310MHz	15.5
5510MHz	16.5
5550MHz	16.5
5670MHz	16.5
5710MHz Straddle 5.47-5.725GHz	16.5
5710MHz Straddle 5.725-5.85GHz	16.5
5755MHz	20

**FCC Test Report**

Report No. : FR760613AC

Mode	Power Setting
5795MHz	20
802.11ac VHT80_Nss1,(MCS0)_3TX	-
5210MHz	16.5
5290MHz	13
5530MHz	18.5
5610MHz	18.5
5690MHz Straddle 5.47-5.725GHz	18.5
5690MHz Straddle 5.725-5.85GHz	18.5
5775MHz	20.5
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-
5180MHz	19.5
5200MHz	19.5
5240MHz	19.5
5260MHz	13.5
5300MHz	13.5
5320MHz	13.5
5500MHz	14
5580MHz	14
5700MHz	14
5720MHz Straddle 5.47-5.725GHz	13.5
5720MHz Straddle 5.725-5.85GHz	13.5
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-
5190MHz	18
5230MHz	19.5
5270MHz	14
5310MHz	13.5
5510MHz	14
5550MHz	14
5670MHz	14
5710MHz Straddle 5.47-5.725GHz	14
5710MHz Straddle 5.725-5.85GHz	14
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-
5210MHz	16
5290MHz	12
5530MHz	14
5610MHz	14
5690MHz Straddle 5.47-5.725GHz	14

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	14
5775MHz	20



For Set 3 antennas / 1TX:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	21
5200MHz	21
5240MHz	21
5260MHz	19.5
5300MHz	19.5
5320MHz	19.5
5500MHz	19.5
5580MHz	20
5700MHz	20
5720MHz Straddle 5.47-5.725GHz	20
5720MHz Straddle 5.725-5.85GHz	20
5745MHz	21
5785MHz	26
5825MHz	21
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	21
5200MHz	21
5240MHz	21
5260MHz	20
5300MHz	20
5320MHz	20
5500MHz	20
5580MHz	20.5
5700MHz	20.5
5720MHz Straddle 5.47-5.725GHz	20.5
5720MHz Straddle 5.725-5.85GHz	20.5
5745MHz	21.5
5785MHz	21.5
5825MHz	21.5
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	19
5230MHz	20
5270MHz	19
5310MHz	19
5510MHz	19
5550MHz	19
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5
5755MHz	20.5

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5795MHz	20.5
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	19.5
5290MHz	16
5530MHz	19
5610MHz	20
5690MHz Straddle 5.47-5.725GHz	20
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	21.5



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
5755MHz	30



Mode	Power Setting
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 3 antennas / 2TX:

Mode	Power Setting
802.11a_(6Mbps)_2TX	-
5180MHz	21
5200MHz	21
5240MHz	21
5260MHz	15
5300MHz	15
5320MHz	15.5
5500MHz	16
5580MHz	16
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	15.5
5720MHz Straddle 5.725-5.85GHz	15.5
5745MHz	21
5785MHz	21
5825MHz	21
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	21.5
5200MHz	21.5
5240MHz	21.5
5260MHz	15.5
5300MHz	15.5
5320MHz	15.5
5500MHz	16.5
5580MHz	16.5
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	16.5
5720MHz Straddle 5.725-5.85GHz	16.5
5745MHz	21.5
5785MHz	21.5
5825MHz	21.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	17.5
5230MHz	20.5
5270MHz	16
5310MHz	14
5510MHz	16
5550MHz	16
5670MHz	16
5710MHz Straddle 5.47-5.725GHz	16.5
5710MHz Straddle 5.725-5.85GHz	16.5
5755MHz	20.5

**FCC Test Report**

Report No. : FR760613AC

Mode	Power Setting
5795MHz	20.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	15.5
5290MHz	12
5530MHz	15
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	20.5
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	15
5300MHz	14.5
5320MHz	14.5
5500MHz	15
5580MHz	15
5700MHz	15
5720MHz Straddle 5.47-5.725GHz	15
5720MHz Straddle 5.725-5.85GHz	15
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	17
5230MHz	19.5
5270MHz	14
5310MHz	14
5510MHz	14.5
5550MHz	14.5
5670MHz	14.5
5710MHz Straddle 5.47-5.725GHz	15
5710MHz Straddle 5.725-5.85GHz	15
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	16.5
5290MHz	12.5
5530MHz	15
5610MHz	15
5690MHz Straddle 5.47-5.725GHz	15

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	15
5775MHz	20



For Harmonic

Mode	Power Setting
802.11a_(6Mbps)_2TX	-
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)_2TX	-
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)_2TX	-
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
5755MHz	30



Mode	Power Setting
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	30
5290MHz	30
5530MHz	30
5610MHz	30
5690MHz Straddle 5.47-5.725GHz	30
5690MHz Straddle 5.725-5.85GHz	30
5775MHz	30
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	22
5200MHz	22
5240MHz	22
5260MHz	22
5300MHz	22
5320MHz	22
5500MHz	22
5580MHz	22
5700MHz	22
5720MHz Straddle 5.47-5.725GHz	22
5720MHz Straddle 5.725-5.85GHz	22
5745MHz	22
5785MHz	22
5825MHz	22
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	22
5230MHz	22
5270MHz	22
5310MHz	22
5510MHz	22
5550MHz	22
5670MHz	22
5710MHz Straddle 5.47-5.725GHz	22
5710MHz Straddle 5.725-5.85GHz	22
5755MHz	22
5795MHz	22
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	22
5290MHz	22
5530MHz	22
5610MHz	22
5690MHz Straddle 5.47-5.725GHz	22

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	22
5775MHz	22



For Set 3 antennas / 3TX:

Mode	Power Setting
802.11a_(6Mbps)_3TX	-
5180MHz	17
5200MHz	16.5
5240MHz	16.5
5260MHz	10.5
5300MHz	10.5
5320MHz	10.5
5500MHz	11.5
5580MHz	11.5
5700MHz	11.5
5720MHz Straddle 5.47-5.725GHz	11.5
5720MHz Straddle 5.725-5.85GHz	11.5
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT20_Nss1,(MCS0)_3TX	-
5180MHz	18
5200MHz	18
5240MHz	17.5
5260MHz	11
5300MHz	11
5320MHz	11
5500MHz	12
5580MHz	12
5700MHz	12
5720MHz Straddle 5.47-5.725GHz	12
5720MHz Straddle 5.725-5.85GHz	12
5745MHz	21
5785MHz	21
5825MHz	21
802.11ac VHT40_Nss1,(MCS0)_3TX	-
5190MHz	17.5
5230MHz	18.5
5270MHz	12.5
5310MHz	12.5
5510MHz	13.5
5550MHz	13.5
5670MHz	13.5
5710MHz Straddle 5.47-5.725GHz	13.5
5710MHz Straddle 5.725-5.85GHz	13.5
5755MHz	20

**FCC Test Report**

Report No. : FR760613AC

Mode	Power Setting
5795MHz	20
802.11ac VHT80_Nss1,(MCS0)_3TX	-
5210MHz	15
5290MHz	11
5530MHz	14.5
5610MHz	15.5
5690MHz Straddle 5.47-5.725GHz	15.5
5690MHz Straddle 5.725-5.85GHz	15.5
5775MHz	19
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-
5180MHz	16.5
5200MHz	16.5
5240MHz	16.5
5260MHz	10.5
5300MHz	10.5
5320MHz	10.5
5500MHz	10.5
5580MHz	11
5700MHz	11
5720MHz Straddle 5.47-5.725GHz	11
5720MHz Straddle 5.725-5.85GHz	11
5745MHz	17
5785MHz	17
5825MHz	17
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-
5190MHz	15.5
5230MHz	15.5
5270MHz	10
5310MHz	10
5510MHz	10
5550MHz	10
5670MHz	10.5
5710MHz Straddle 5.47-5.725GHz	10.5
5710MHz Straddle 5.725-5.85GHz	10.5
5755MHz	16.5
5795MHz	16
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-
5210MHz	16
5290MHz	10.5
5530MHz	10.5
5610MHz	10.5
5690MHz Straddle 5.47-5.725GHz	10.5



FCC Test Report

Report No. : FR760613AC

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	10.5
5775MHz	16.5



For Harmonic

Mode	Power Setting
802.11a_(6Mbps)_3TX	-
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)_3TX	-
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)_3TX	-
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
5755MHz	30

**FCC Test Report**

Report No. : FR760613AC

Mode	Power Setting
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_3TX	-
5210MHz	30
5290MHz	30
5530MHz	30
5610MHz	30
5690MHz Straddle 5.47-5.725GHz	30
5690MHz Straddle 5.725-5.85GHz	30
5775MHz	30
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-
5180MHz	22
5200MHz	22
5240MHz	22
5260MHz	22
5300MHz	22
5320MHz	22
5500MHz	22
5580MHz	22
5700MHz	22
5720MHz Straddle 5.47-5.725GHz	22
5720MHz Straddle 5.725-5.85GHz	22
5745MHz	22
5785MHz	22
5825MHz	22
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-
5190MHz	22
5230MHz	22
5270MHz	22
5310MHz	22
5510MHz	22
5550MHz	22
5670MHz	22
5710MHz Straddle 5.47-5.725GHz	22
5710MHz Straddle 5.725-5.85GHz	22
5755MHz	22
5795MHz	22
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-
5210MHz	22
5290MHz	22
5530MHz	22
5610MHz	22
5690MHz Straddle 5.47-5.725GHz	22

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	22
5775MHz	22



For Set 4 antennas / 1TX:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	21
5200MHz	21
5240MHz	21
5260MHz	21
5300MHz	21
5320MHz	20.5
5500MHz	21.5
5580MHz	21.5
5700MHz	21
5720MHz Straddle 5.47-5.725GHz	22
5720MHz Straddle 5.725-5.85GHz	22
5745MHz	21
5785MHz	21
5825MHz	21
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	21
5200MHz	21
5240MHz	21
5260MHz	21.5
5300MHz	21.5
5320MHz	21
5500MHz	21.5
5580MHz	21.5
5700MHz	21.5
5720MHz Straddle 5.47-5.725GHz	21.5
5720MHz Straddle 5.725-5.85GHz	21.5
5745MHz	21.5
5785MHz	21.5
5825MHz	21.5
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	20
5230MHz	20
5270MHz	20
5310MHz	18
5510MHz	19.5
5550MHz	20.5
5670MHz	20.5
5710MHz Straddle 5.47-5.725GHz	20.5
5710MHz Straddle 5.725-5.85GHz	20.5
5755MHz	20.5

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5795MHz	20.5
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	20
5290MHz	16
5530MHz	19.5
5610MHz	21
5690MHz Straddle 5.47-5.725GHz	21
5690MHz Straddle 5.725-5.85GHz	21
5775MHz	21.5



For Set 4 antennas / 2TX:

Mode	Power Setting
802.11a_(6Mbps)_2TX	-
5180MHz	21
5200MHz	21
5240MHz	21
5260MHz	17
5300MHz	17
5320MHz	17
5500MHz	18
5580MHz	18
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
5745MHz	21
5785MHz	21
5825MHz	21
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	21.5
5200MHz	21.5
5240MHz	21.5
5260MHz	17.5
5300MHz	17
5320MHz	17.5
5500MHz	18.5
5580MHz	18.5
5700MHz	18
5720MHz Straddle 5.47-5.725GHz	18.5
5720MHz Straddle 5.725-5.85GHz	18.5
5745MHz	21.5
5785MHz	21.5
5825MHz	21.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	19.5
5230MHz	20.5
5270MHz	19
5310MHz	16
5510MHz	19
5550MHz	20
5670MHz	19
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5
5755MHz	20.5

**FCC Test Report**

Report No. : FR760613AC

Mode	Power Setting
5795MHz	20.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	19.5
5290MHz	15
5530MHz	18.5
5610MHz	19.5
5690MHz Straddle 5.47-5.725GHz	20.5
5690MHz Straddle 5.725-5.85GHz	20.5
5775MHz	21
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	16.5
5300MHz	16.5
5320MHz	16.5
5500MHz	17
5580MHz	17
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	19.5
5230MHz	19.5
5270MHz	16
5310MHz	15.5
5510MHz	16.5
5550MHz	16.5
5670MHz	16.5
5710MHz Straddle 5.47-5.725GHz	16.5
5710MHz Straddle 5.725-5.85GHz	16.5
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	19.5
5290MHz	13.5
5530MHz	17
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	20



For Set 4 antennas / 3TX:

Mode	Power Setting
802.11a_(6Mbps)_3TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	14
5300MHz	14
5320MHz	14
5500MHz	14.5
5580MHz	14.5
5700MHz	14.5
5720MHz Straddle 5.47-5.725GHz	14.5
5720MHz Straddle 5.725-5.85GHz	14.5
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT20_Nss1,(MCS0)_3TX	-
5180MHz	20.5
5200MHz	20.5
5240MHz	20.5
5260MHz	14.5
5300MHz	14.5
5320MHz	15
5500MHz	15
5580MHz	15
5700MHz	15
5720MHz Straddle 5.47-5.725GHz	15
5720MHz Straddle 5.725-5.85GHz	15
5745MHz	21
5785MHz	21
5825MHz	21
802.11ac VHT40_Nss1,(MCS0)_3TX	-
5190MHz	19.5
5230MHz	19.5
5270MHz	16
5310MHz	16
5510MHz	16.5
5550MHz	16.5
5670MHz	16.5
5710MHz Straddle 5.47-5.725GHz	16.5
5710MHz Straddle 5.725-5.85GHz	16.5
5755MHz	20

**FCC Test Report**

Report No. : FR760613AC

Mode	Power Setting
5795MHz	20
802.11ac VHT80_Nss1,(MCS0)_3TX	-
5210MHz	18.5
5290MHz	13
5530MHz	17
5610MHz	18.5
5690MHz Straddle 5.47-5.725GHz	18.5
5690MHz Straddle 5.725-5.85GHz	18.5
5775MHz	20.5
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-
5180MHz	19.5
5200MHz	20
5240MHz	19.5
5260MHz	13.5
5300MHz	14
5320MHz	14
5500MHz	14
5580MHz	13.5
5700MHz	14
5720MHz Straddle 5.47-5.725GHz	13.5
5720MHz Straddle 5.725-5.85GHz	13.5
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-
5190MHz	19
5230MHz	20
5270MHz	13.5
5310MHz	14
5510MHz	14
5550MHz	14
5670MHz	14
5710MHz Straddle 5.47-5.725GHz	14
5710MHz Straddle 5.725-5.85GHz	14
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-
5210MHz	18.5
5290MHz	13.5
5530MHz	14
5610MHz	14
5690MHz Straddle 5.47-5.725GHz	14

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	14
5775MHz	20



For Set 5 antennas / 1TX:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	20
5300MHz	20
5320MHz	20
5500MHz	20.5
5580MHz	20.5
5700MHz	20.5
5720MHz Straddle 5.47-5.725GHz	21.5
5720MHz Straddle 5.725-5.85GHz	21.5
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	20.5
5200MHz	20.5
5240MHz	20.5
5260MHz	20.5
5300MHz	20.5
5320MHz	20.5
5500MHz	21
5580MHz	21
5700MHz	21
5720MHz Straddle 5.47-5.725GHz	22
5720MHz Straddle 5.725-5.85GHz	22
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	19.5
5230MHz	20.5
5270MHz	20.5
5310MHz	18
5510MHz	20
5550MHz	21
5670MHz	20
5710MHz Straddle 5.47-5.725GHz	21
5710MHz Straddle 5.725-5.85GHz	21
5755MHz	21



Mode	Power Setting
5795MHz	21
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	20
5290MHz	17
5530MHz	20
5610MHz	21
5690MHz Straddle 5.47-5.725GHz	21
5690MHz Straddle 5.725-5.85GHz	21
5775MHz	21



For Set 5 antennas / 2TX:

Mode	Power Setting
802.11a_(6Mbps)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	20
5300MHz	20
5320MHz	20
5500MHz	20
5580MHz	20
5700MHz	20
5720MHz Straddle 5.47-5.725GHz	20
5720MHz Straddle 5.725-5.85GHz	20
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	20.5
5200MHz	20.5
5240MHz	20.5
5260MHz	20.5
5300MHz	20.5
5320MHz	20.5
5500MHz	20.5
5580MHz	20.5
5700MHz	20.5
5720MHz Straddle 5.47-5.725GHz	20.5
5720MHz Straddle 5.725-5.85GHz	20.5
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	19
5230MHz	19.5
5270MHz	19.5
5310MHz	14.5
5510MHz	19.5
5550MHz	19.5
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5
5755MHz	19.5

**FCC Test Report**

Report No. : FR760613AC

Mode	Power Setting
5795MHz	19.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	19
5290MHz	14
5530MHz	18
5610MHz	20
5690MHz Straddle 5.47-5.725GHz	20
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	20
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	17.5
5300MHz	17.5
5320MHz	18
5500MHz	18.5
5580MHz	18.5
5700MHz	18
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	19.5
5230MHz	19.5
5270MHz	19
5310MHz	16.5
5510MHz	19
5550MHz	19.5
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	19.5
5290MHz	15
5530MHz	19
5610MHz	20
5690MHz Straddle 5.47-5.725GHz	19.5



FCC Test Report

Report No. : FR760613AC

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	19.5
5775MHz	20



For Set 5antennas / 3TX:

Mode	Power Setting
802.11a_(6Mbps)_3TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	18
5300MHz	18
5320MHz	18
5500MHz	18
5580MHz	18.5
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT20_Nss1,(MCS0)_3TX	-
5180MHz	20.5
5200MHz	20.5
5240MHz	20.5
5260MHz	18.5
5300MHz	18.5
5320MHz	18.5
5500MHz	18.5
5580MHz	19
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	18.5
5720MHz Straddle 5.725-5.85GHz	18.5
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT40_Nss1,(MCS0)_3TX	-
5190MHz	17.5
5230MHz	19.5
5270MHz	17.5
5310MHz	13
5510MHz	17.5
5550MHz	17.5
5670MHz	17.5
5710MHz Straddle 5.47-5.725GHz	18
5710MHz Straddle 5.725-5.85GHz	18
5755MHz	19.5

**FCC Test Report**

Report No. : FR760613AC

Mode	Power Setting
5795MHz	19.5
802.11ac VHT80_Nss1,(MCS0)_3TX	-
5210MHz	16
5290MHz	12
5530MHz	17
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	18
5690MHz Straddle 5.725-5.85GHz	18
5775MHz	20
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	18.5
5300MHz	18.5
5320MHz	18.5
5500MHz	18.5
5580MHz	18.5
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-
5190MHz	18.5
5230MHz	20
5270MHz	18
5310MHz	15
5510MHz	18
5550MHz	18
5670MHz	18
5710MHz Straddle 5.47-5.725GHz	18
5710MHz Straddle 5.725-5.85GHz	18
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-
5210MHz	18.5
5290MHz	12
5530MHz	17
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	18

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	18
5775MHz	20



For Set 6 antennas / 1TX:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	20
5300MHz	20
5320MHz	20
5500MHz	20.5
5580MHz	20.5
5700MHz	20.5
5720MHz Straddle 5.47-5.725GHz	21.5
5720MHz Straddle 5.725-5.85GHz	21.5
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	20.5
5200MHz	20.5
5240MHz	20.5
5260MHz	20.5
5300MHz	20.5
5320MHz	20.5
5500MHz	21
5580MHz	21
5700MHz	21
5720MHz Straddle 5.47-5.725GHz	22
5720MHz Straddle 5.725-5.85GHz	22
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	20
5230MHz	20.5
5270MHz	20.5
5310MHz	19
5510MHz	20.5
5550MHz	21
5670MHz	21
5710MHz Straddle 5.47-5.725GHz	21
5710MHz Straddle 5.725-5.85GHz	21
5755MHz	21

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5795MHz	21
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	20.5
5290MHz	20.5
5530MHz	21
5610MHz	21
5690MHz Straddle 5.47-5.725GHz	21
5690MHz Straddle 5.725-5.85GHz	21
5775MHz	21



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
5755MHz	30



Mode	Power Setting
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 6 antennas / 2TX:

Mode	Power Setting
802.11a_(6Mbps)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	20
5300MHz	20
5320MHz	20
5500MHz	20
5580MHz	20
5700MHz	20
5720MHz Straddle 5.47-5.725GHz	20
5720MHz Straddle 5.725-5.85GHz	20
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	20.5
5200MHz	20.5
5240MHz	20.5
5260MHz	20.5
5300MHz	20.5
5320MHz	20.5
5500MHz	20.5
5580MHz	20.5
5700MHz	20.5
5720MHz Straddle 5.47-5.725GHz	20.5
5720MHz Straddle 5.725-5.85GHz	20.5
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	19.5
5230MHz	19.5
5270MHz	19.5
5310MHz	17
5510MHz	19.5
5550MHz	19.5
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5
5755MHz	19.5

**FCC Test Report**

Report No. : FR760613AC

Mode	Power Setting
5795MHz	19.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	19.5
5290MHz	15
5530MHz	20
5610MHz	20
5690MHz Straddle 5.47-5.725GHz	20
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	20
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	17.5
5300MHz	17.5
5320MHz	18
5500MHz	18.5
5580MHz	18.5
5700MHz	18
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	19
5230MHz	19.5
5270MHz	19
5310MHz	19
5510MHz	18.5
5550MHz	19.5
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	20
5290MHz	14.5
5530MHz	19.5
5610MHz	20
5690MHz Straddle 5.47-5.725GHz	19.5



FCC Test Report

Report No. : FR760613AC

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	19.5
5775MHz	20



For Harmonic

Mode	Power Setting
802.11a_(6Mbps)_2TX	-
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)_2TX	-
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)_2TX	-
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
5755MHz	30



Mode	Power Setting
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	30
5290MHz	30
5530MHz	30
5610MHz	30
5690MHz Straddle 5.47-5.725GHz	30
5690MHz Straddle 5.725-5.85GHz	30
5775MHz	30
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	22
5200MHz	22
5240MHz	22
5260MHz	22
5300MHz	22
5320MHz	22
5500MHz	22
5580MHz	22
5700MHz	22
5720MHz Straddle 5.47-5.725GHz	22
5720MHz Straddle 5.725-5.85GHz	22
5745MHz	22
5785MHz	22
5825MHz	22
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	22
5230MHz	22
5270MHz	22
5310MHz	22
5510MHz	22
5550MHz	22
5670MHz	22
5710MHz Straddle 5.47-5.725GHz	22
5710MHz Straddle 5.725-5.85GHz	22
5755MHz	22
5795MHz	22
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	22
5290MHz	22
5530MHz	22
5610MHz	22
5690MHz Straddle 5.47-5.725GHz	22



Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	22
5775MHz	22



For Set 6 antennas / 3TX:

Mode	Power Setting
802.11a_(6Mbps)_3TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	18
5300MHz	18
5320MHz	18
5500MHz	18
5580MHz	18.5
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT20_Nss1,(MCS0)_3TX	-
5180MHz	20.5
5200MHz	20.5
5240MHz	20.5
5260MHz	18.5
5300MHz	18.5
5320MHz	18.5
5500MHz	18.5
5580MHz	19
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	18.5
5720MHz Straddle 5.725-5.85GHz	18.5
5745MHz	20.5
5785MHz	20.5
5825MHz	20.5
802.11ac VHT40_Nss1,(MCS0)_3TX	-
5190MHz	18.5
5230MHz	19.5
5270MHz	17.5
5310MHz	15
5510MHz	17.5
5550MHz	17.5
5670MHz	17.5
5710MHz Straddle 5.47-5.725GHz	18
5710MHz Straddle 5.725-5.85GHz	18
5755MHz	19.5

**FCC Test Report**

Report No. : FR760613AC

Mode	Power Setting
5795MHz	19.5
802.11ac VHT80_Nss1,(MCS0)_3TX	-
5210MHz	19
5290MHz	14
5530MHz	18
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	18
5690MHz Straddle 5.725-5.85GHz	18
5775MHz	20
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	18.5
5300MHz	18.5
5320MHz	18.5
5500MHz	18.5
5580MHz	18.5
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-
5190MHz	19.5
5230MHz	20
5270MHz	18
5310MHz	18
5510MHz	18
5550MHz	18
5670MHz	18
5710MHz Straddle 5.47-5.725GHz	18
5710MHz Straddle 5.725-5.85GHz	18
5755MHz	20
5795MHz	20
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-
5210MHz	19
5290MHz	14.5
5530MHz	18
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	18

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	18
5775MHz	20



For Harmonic

Mode	Power Setting
802.11a_(6Mbps)_3TX	-
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)_3TX	-
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)_3TX	-
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
5755MHz	30

**FCC Test Report**

Report No. : FR760613AC

Mode	Power Setting
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_3TX	-
5210MHz	30
5290MHz	30
5530MHz	30
5610MHz	30
5690MHz Straddle 5.47-5.725GHz	30
5690MHz Straddle 5.725-5.85GHz	30
5775MHz	30
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-
5180MHz	22
5200MHz	22
5240MHz	22
5260MHz	22
5300MHz	22
5320MHz	22
5500MHz	22
5580MHz	22
5700MHz	22
5720MHz Straddle 5.47-5.725GHz	22
5720MHz Straddle 5.725-5.85GHz	22
5745MHz	22
5785MHz	22
5825MHz	22
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-
5190MHz	22
5230MHz	22
5270MHz	22
5310MHz	22
5510MHz	22
5550MHz	22
5670MHz	22
5710MHz Straddle 5.47-5.725GHz	22
5710MHz Straddle 5.725-5.85GHz	22
5755MHz	22
5795MHz	22
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-
5210MHz	22
5290MHz	22
5530MHz	22
5610MHz	22
5690MHz Straddle 5.47-5.725GHz	22

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	22
5775MHz	22



For Radio 3

For Set 2 antennas / 1TX:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	18
5200MHz	23.5
5240MHz	16.5
5260MHz	30
5300MHz	26
5320MHz	16
5500MHz	17.5
5580MHz	30
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	28.5
5785MHz	30
5825MHz	30
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	18
5200MHz	23.5
5240MHz	16.5
5260MHz	30
5300MHz	26
5320MHz	16
5500MHz	17.5
5580MHz	30
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	28.5
5785MHz	30
5825MHz	30
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	11.5
5230MHz	17
5270MHz	24
5310MHz	12
5510MHz	14
5550MHz	25.5
5670MHz	22
5710MHz Straddle 5.47-5.725GHz	30
5710MHz Straddle 5.725-5.85GHz	30

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5755MHz	24
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	11
5290MHz	11
5530MHz	11.5
5610MHz	23
5690MHz Straddle 5.47-5.725GHz	30
5690MHz Straddle 5.725-5.85GHz	30
5775MHz	19



For Set 3 antennas / 1TX:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	16.5
5200MHz	25
5240MHz	18
5260MHz	26
5300MHz	25
5320MHz	16.5
5500MHz	18
5580MHz	30
5700MHz	15
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	16.5
5200MHz	25
5240MHz	18
5260MHz	26
5300MHz	25
5320MHz	16.5
5500MHz	18
5580MHz	30
5700MHz	15
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	11.5
5230MHz	18
5270MHz	23
5310MHz	11
5510MHz	14.5
5550MHz	21.5
5670MHz	19
5710MHz Straddle 5.47-5.725GHz	30
5710MHz Straddle 5.725-5.85GHz	30
5755MHz	21



Mode	Power Setting
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	10
5290MHz	7.5
5530MHz	12
5610MHz	19
5690MHz Straddle 5.47-5.725GHz	27.5
5690MHz Straddle 5.725-5.85GHz	27.5
5775MHz	18



For Set 4 antennas / 1TX:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	18.5
5200MHz	28
5240MHz	18
5260MHz	30
5300MHz	28.5
5320MHz	18
5500MHz	18
5580MHz	30
5700MHz	15.5
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	18.5
5200MHz	28
5240MHz	18
5260MHz	30
5300MHz	28.5
5320MHz	18
5500MHz	18
5580MHz	30
5700MHz	15.5
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	13
5230MHz	18
5270MHz	25
5310MHz	13
5510MHz	14.5
5550MHz	26
5670MHz	19
5710MHz Straddle 5.47-5.725GHz	30
5710MHz Straddle 5.725-5.85GHz	30
5755MHz	21

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	13.5
5290MHz	11
5530MHz	14
5610MHz	21
5690MHz Straddle 5.47-5.725GHz	30
5690MHz Straddle 5.725-5.85GHz	30
5775MHz	18



For Set 5 antennas / 1TX:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	16.5
5200MHz	24
5240MHz	16.5
5260MHz	30
5300MHz	27.5
5320MHz	17.5
5500MHz	17.5
5580MHz	30
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	28.5
5785MHz	30
5825MHz	30
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	16.5
5200MHz	24
5240MHz	16.5
5260MHz	30
5300MHz	27.5
5320MHz	17.5
5500MHz	17.5
5580MHz	30
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	28.5
5785MHz	30
5825MHz	30
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	11.5
5230MHz	17
5270MHz	24.5
5310MHz	13
5510MHz	14.5
5550MHz	25
5670MHz	22.5
5710MHz Straddle 5.47-5.725GHz	30
5710MHz Straddle 5.725-5.85GHz	30
5755MHz	24



Mode	Power Setting
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	10.5
5290MHz	9.5
5530MHz	11.5
5610MHz	21.5
5690MHz Straddle 5.47-5.725GHz	30
5690MHz Straddle 5.725-5.85GHz	30
5775MHz	19



For Set 6 antennas / 1TX:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	17
5200MHz	26
5240MHz	16.5
5260MHz	30
5300MHz	28
5320MHz	19
5500MHz	19
5580MHz	30
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	28.5
5785MHz	30
5825MHz	30
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	17
5200MHz	26
5240MHz	16.5
5260MHz	30
5300MHz	28
5320MHz	19
5500MHz	19
5580MHz	30
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	30
5720MHz Straddle 5.725-5.85GHz	30
5745MHz	28.5
5785MHz	30
5825MHz	30
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	12.5
5230MHz	17
5270MHz	25
5310MHz	13.5
5510MHz	14.5
5550MHz	27
5670MHz	23
5710MHz Straddle 5.47-5.725GHz	30
5710MHz Straddle 5.725-5.85GHz	30
5755MHz	24

**FCC Test Report****Report No. : FR760613AC**

Mode	Power Setting
5795MHz	30
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	11.5
5290MHz	11
5530MHz	13
5610MHz	24.5
5690MHz Straddle 5.47-5.725GHz	30
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	19



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	-	3TX
Emission Bandwidth	Set 2 Set 3 Set 4 Set 5 Set 6	Conducted measurement at transmit chains	Non-Beamforming Mode		
			11a/BPSK	6 Mbps	1, 2, 3TX
			11ac VHT20	MCS0 NSS1	1, 2, 3TX
			11ac VHT40	MCS0 NSS1	1, 2, 3TX
			11ac VHT80	MCS0 NSS1	1, 2, 3TX
			Beamforming Mode		
			11ac VHT20	MCS0 NSS1	2, 3TX
			11ac VHT40	MCS0 NSS1	2, 3TX
			11ac VHT80	MCS0 NSS1	2, 3TX
			Non-Beamforming Mode		
Maximum Conducted Output Power	Set 2 Set 3 Set 4 Set 5 Set 6	Conducted measurement at transmit chains	11a/BPSK	6 Mbps	1, 2, 3TX
			11ac VHT20	MCS0 NSS1	1, 2, 3TX
			11ac VHT40	MCS0 NSS1	1, 2, 3TX
			11ac VHT80	MCS0 NSS1	1, 2, 3TX
			Beamforming Mode		
			11ac VHT20	MCS0 NSS1	2, 3TX
			11ac VHT40	MCS0 NSS1	2, 3TX
			11ac VHT80	MCS0 NSS1	2, 3TX
			Non-Beamforming Mode		
			11a/BPSK	6 Mbps	1, 2, 3TX
Power Spectral Density	Set 2 Set 3 Set 4 Set 5 Set 6	Conducted measurement at transmit chains	11ac VHT20	MCS0 NSS1	1, 2, 3TX
			11ac VHT40	MCS0 NSS1	1, 2, 3TX
			11ac VHT80	MCS0 NSS1	1, 2, 3TX
			Beamforming Mode		
			11ac VHT20	MCS0 NSS1	2, 3TX
			11ac VHT40	MCS0 NSS1	2, 3TX
			11ac VHT80	MCS0 NSS1	2, 3TX
			Radiated measurement		
			CTX	-	3TX
Emissions in Restricted < 1GHz	Set 3	Radiated measurement	CTX	-	3TX



Unwanted Emissions > 1GHz (Harmonic) (see the Note)	Set 3 Set 6	Radiated measurement	Non-Beamforming Mode		
			11ac VHT20	MCS0 NSS1	1, 2, 3TX
			11ac VHT40	MCS0 NSS1	1, 2, 3TX
			11ac VHT80	MCS0 NSS1	1, 2, 3TX
			Beamforming Mode		
			11ac VHT20	MCS0 NSS1	2, 3TX
			11ac VHT40	MCS0 NSS1	2, 3TX
			11ac VHT80	MCS0 NSS1	2, 3TX
Unwanted Emissions > 1GHz (Band Edge Emission)	Set 2 Set 3 Set 4 Set 5 Set 6	Radiated measurement	Non-Beamforming Mode		
			11ac VHT20	MCS0 NSS1	1, 2, 3TX
			11ac VHT40	MCS0 NSS1	1, 2, 3TX
			11ac VHT80	MCS0 NSS1	1, 2, 3TX
			Beamforming Mode		
			11ac VHT20	MCS0 NSS1	2, 3TX
			11ac VHT40	MCS0 NSS1	2, 3TX
			11ac VHT80	MCS0 NSS1	2, 3TX
Frequency Stability	Set 3	Conducted measurement at transmit chains	20MHz	-	3TX
			40MHz	-	3TX
			80MHz	-	3TX

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 of 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
			11a/BPSK	6 Mbps	1TX
			11ac VHT20	MCS0 NSS1	1TX
			11ac VHT40	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 for all tests:

For Conducted Emission test:

Mode 1. EUT with Set 3 antenna + Radio 1 (2.4GHz)

Mode 2. EUT with Set 3 antenna + Radio 2 (5GHz)



Mode 3. EUT with Set 3 antenna + Radio 3 (2.4GHz)

Mode 4. EUT with Set 3 antenna + Radio 3 (5GHz)

Mode 5. EUT with Set 3 antenna + Radio 4 (Bluetooth)

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 2.4GHz at X axis and for 5GHz and Bluetooth at Z axis. So the measurement will follow this same test configuration.

Mode 1. EUT in X axis with Set 3 antenna + Radio 1 (2.4GHz)

Mode 2. EUT in Z axis with Set 3 antenna + Radio 2 (5GHz)

Mode 3. EUT in X axis with Set 3 antenna + Radio 3 (2.4GHz)

Mode 4. EUT in Z axis with Set 3 antenna + Radio 3 (5GHz)

Mode 5. EUT in Z axis with Set 3 antenna + Radio 4 (Bluetooth)

Mode 4 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 above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.

Mode 1. EUT in Z axis with Set 2 antenna + Radio 2 (5GHz) and Radio 3 (5GHz)

Mode 2. EUT in Z axis with Set 3 antenna + Radio 2 (5GHz) and Radio 3 (5GHz)

Mode 3. EUT in Z axis with Set 4 antenna + Radio 2 (5GHz) and Radio 3 (5GHz)

Mode 4. EUT in Z axis with Set 5 antenna + Radio 2 (5GHz) and Radio 3 (5GHz)

Mode 5. EUT in Z axis with Set 6 antenna + Radio 2 (5GHz) and Radio 3 (5GHz)

For Co-location MPE and Radiated Emission Co-location Test:

The EUT could be applied with 2.4GHz WLAN function, 5GHz WLAN function and Bluetooth function; therefore Co-location Maximum Permissible Exposure (Please refer to FA760613) and Radiated Emission Co-location (please refer to Appendix A) tests are added for simultaneously transmit between 2.4GHz WLAN function and 5GHz WLAN function collocation with higher gain antenna.



2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

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

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Telent.
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

Accessories					
No.	Equipment Name	Brand Name	PSU Vendor P/N	Meraki Model	Rating
1	Adapter	CISCO	KSAS0361200250HU	MA-PWR-30W-US	Input: 100-240V ~ 50/60Hz, 1.0A Output: 12V, 2.5A
Other					
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	Notebook	DELL	E6430	DoC

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

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E4300	DoC

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

<For Non-Beamforming Mode>

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E4300	DoC

<For Beamforming Mode>

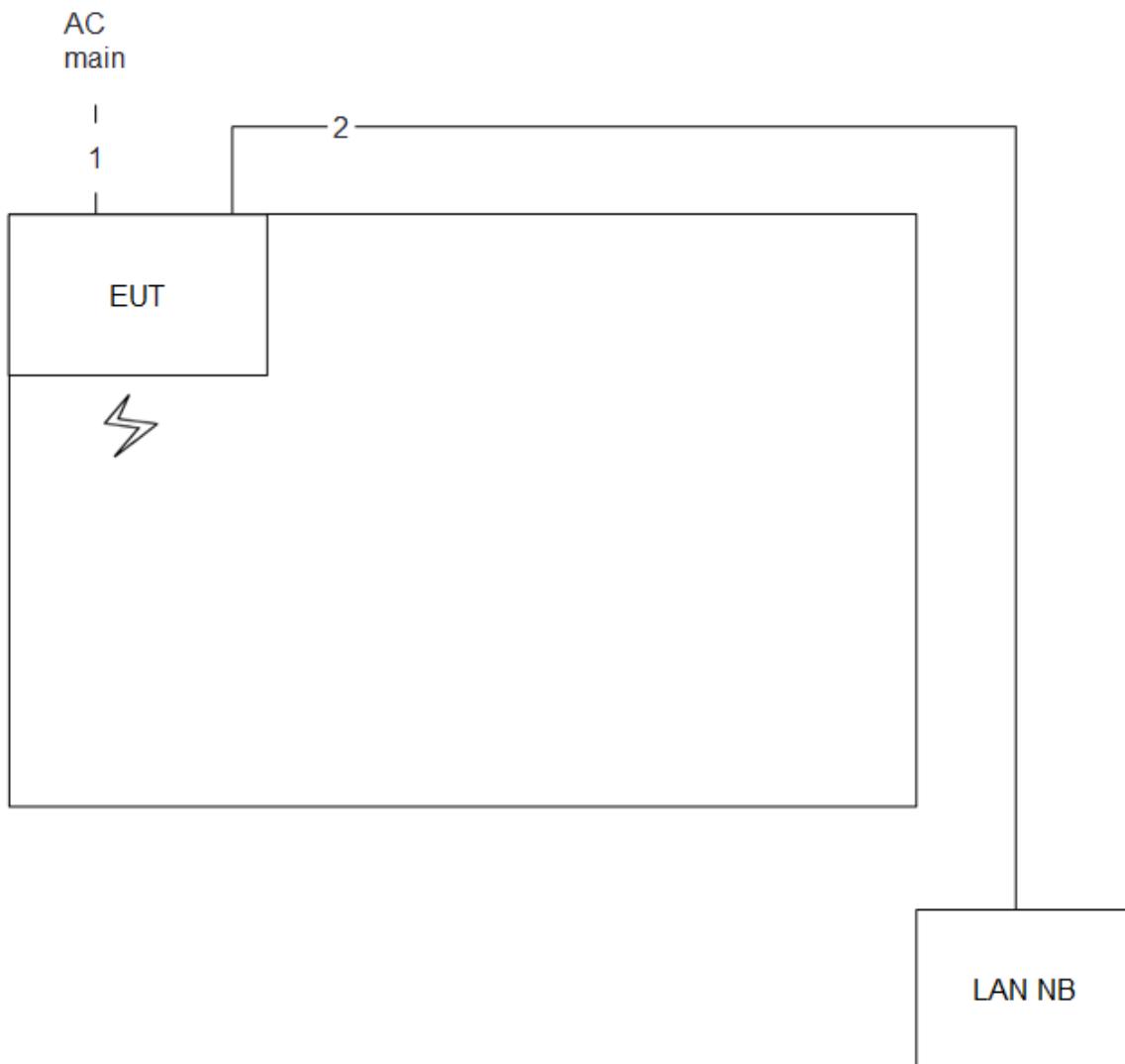
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook*2	DELL	E4300	DoC
2	RX Device	CISCO	MR42E-HW	UDX-60063010

For Test Site No: TH01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E4300	DoC

2.6 Test Setup Diagram

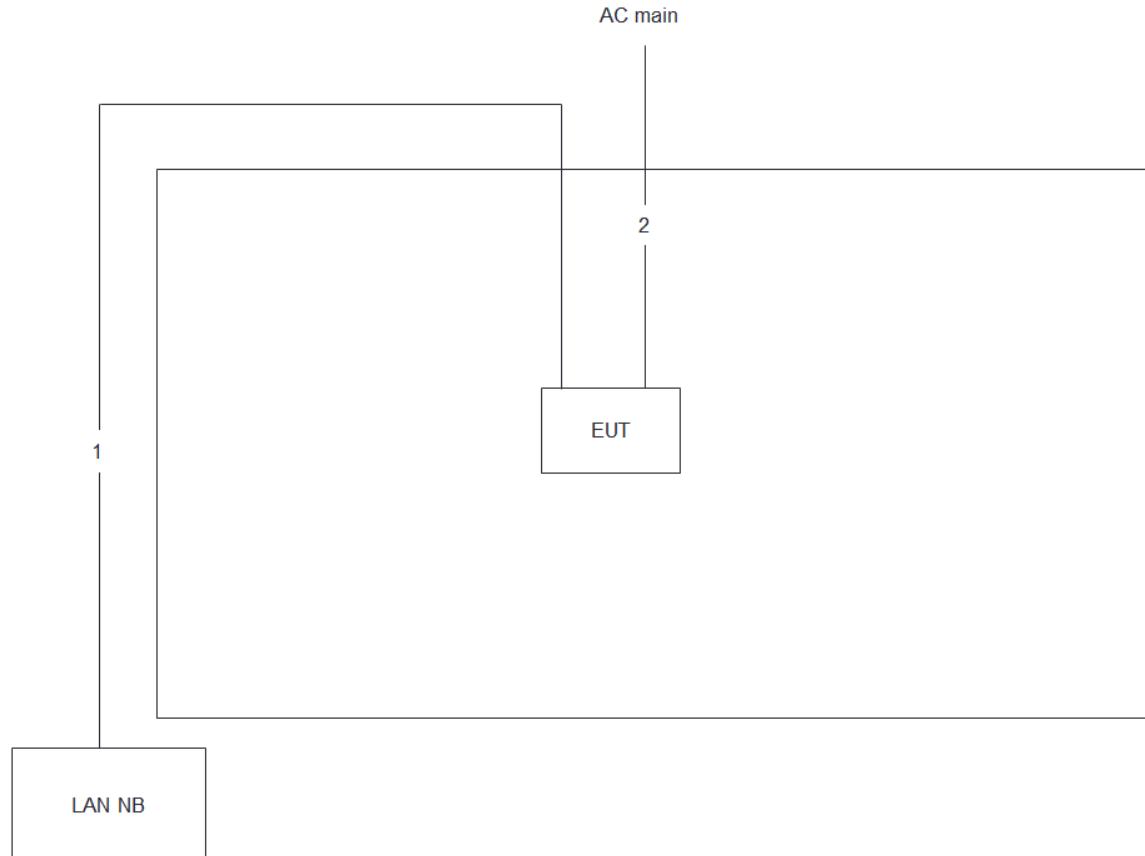
Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	1.6m
2	RJ-45 cable	No	10m

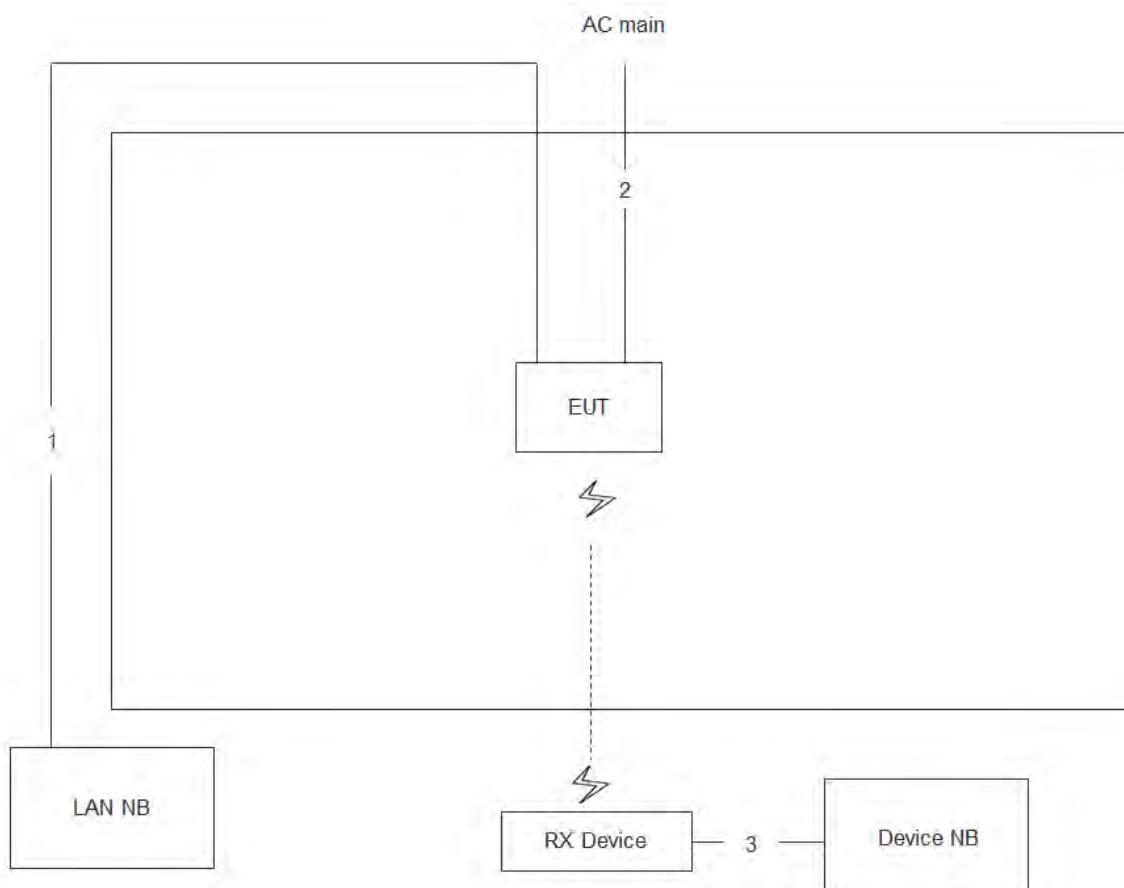


Test Setup Diagram - Radiated Test < 1GHz and Radiated Test > 1GHz Non-Beamforming Mode



Item	Connection	Shielded	Length
1	RJ-45 Cable	No	10m
2	Power cable	No	1.6m

Test Setup Diagram - Radiated Test > 1GHz Beamforming Mode



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.6m
3	RJ-45 cable	No	10m

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.

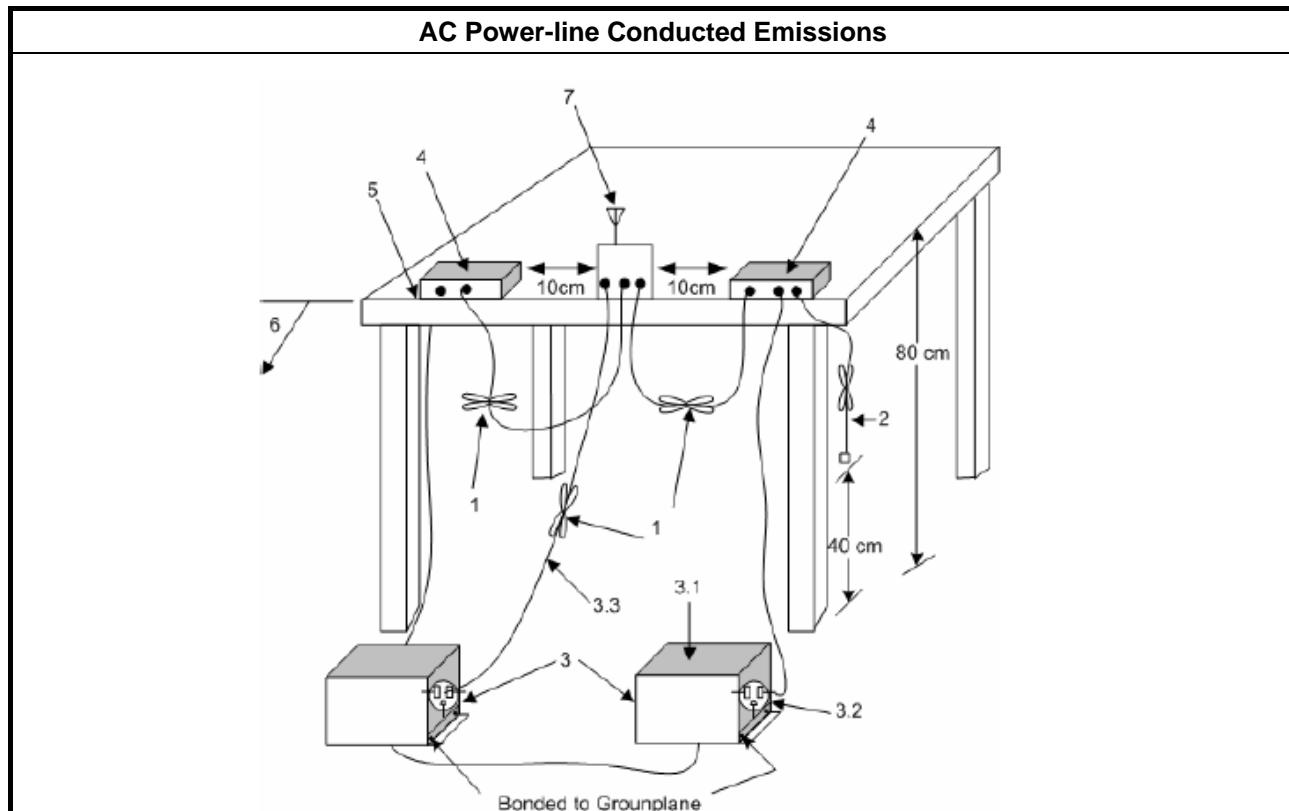
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

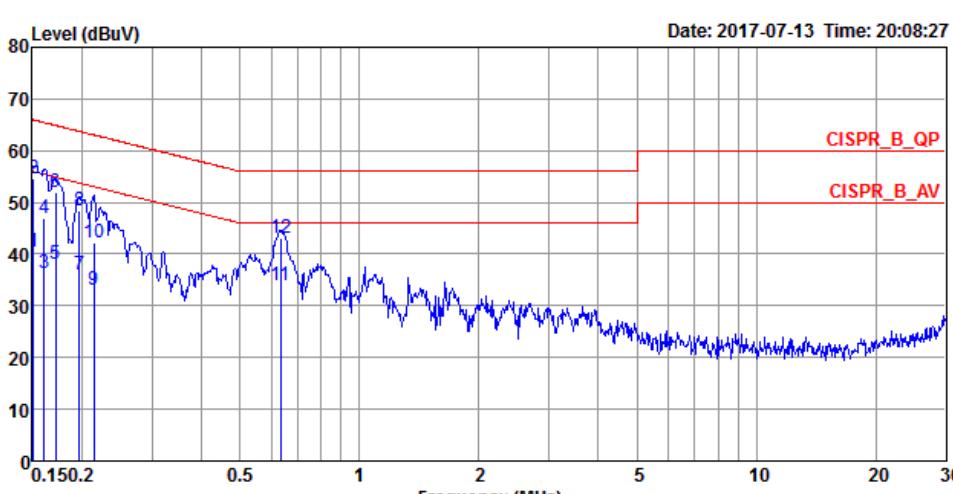
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



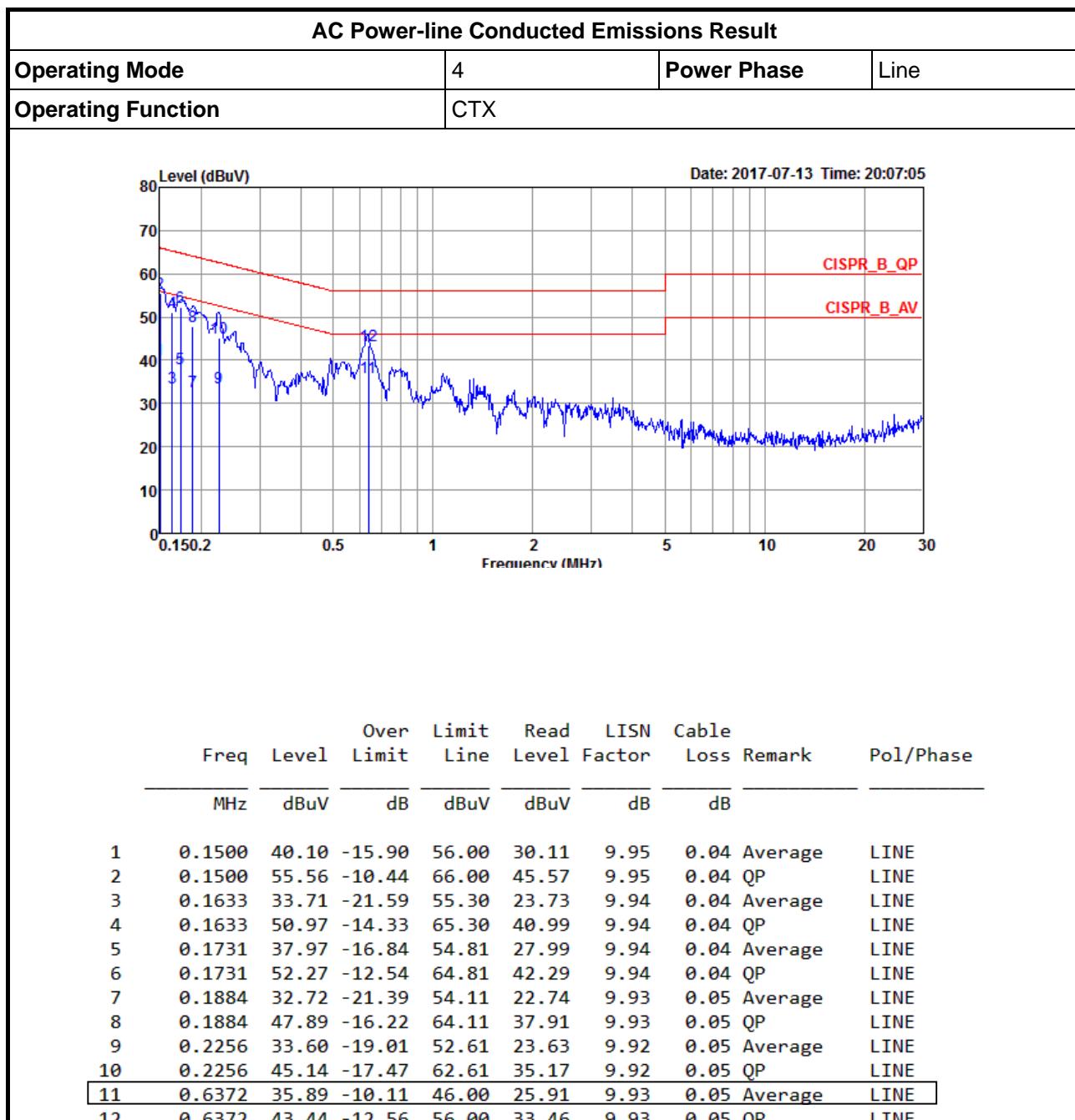


3.1.5 Test Result of AC Power-line Conducted Emissions

AC Power-line Conducted Emissions Result											
Operating Mode		4	Power Phase		Neutral						
Operating Function		CTX									
Date: 2017-07-13 Time: 20:08:27											
											
Emissions Data Log											
Freq		Over Limit	Limit	Read Line	LISN Factor	Cable Loss	Remark		Pol/Phase		
MHz		dBuV	dB	dBuV	dBuV	dB					
1	0.1508	40.46	-15.50	55.96	30.48	9.94	0.04	Average	NEUTRAL		
2	0.1508	54.68	-11.28	65.96	44.70	9.94	0.04	QP	NEUTRAL		
3	0.1607	36.26	-19.17	55.43	26.27	9.95	0.04	Average	NEUTRAL		
4	0.1607	46.96	-18.47	65.43	36.97	9.95	0.04	QP	NEUTRAL		
5	0.1712	38.00	-16.90	54.90	28.00	9.96	0.04	Average	NEUTRAL		
6	0.1712	52.01	-12.89	64.90	42.01	9.96	0.04	QP	NEUTRAL		
7	0.1965	35.99	-17.77	53.76	25.96	9.98	0.05	Average	NEUTRAL		
8	0.1965	48.52	-15.24	63.76	38.49	9.98	0.05	QP	NEUTRAL		
9	0.2139	33.12	-19.93	53.05	23.09	9.98	0.05	Average	NEUTRAL		
10	0.2139	42.25	-20.80	63.05	32.22	9.98	0.05	QP	NEUTRAL		
11	0.6338	34.03	-11.97	46.00	24.01	9.97	0.05	Average	NEUTRAL		
12	0.6338	43.14	-12.86	56.00	33.12	9.97	0.05	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.)



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	
UNII Devices	
<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.
LE-LAN Devices	
<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.

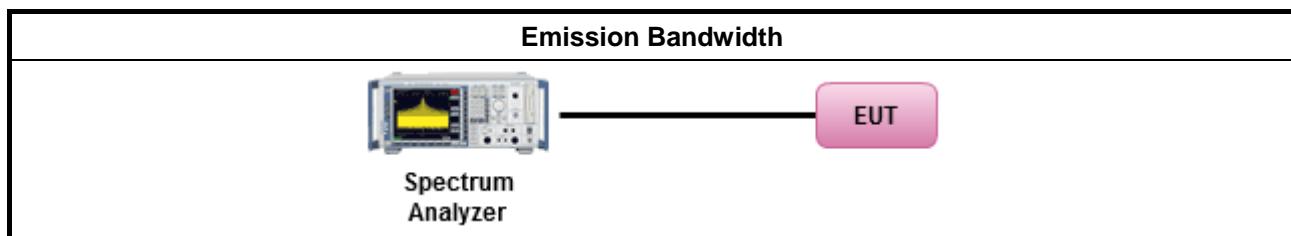
3.2.2 Measuring Instruments

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 antennas / 1TX:

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-	-
5.15-5.25GHz	19.875M	16.417M	16M4D1D	19.425M	16.392M
5.25-5.35GHz	19.875M	16.417M	16M4D1D	19.675M	16.417M
5.47-5.725GHz	20.225M	16.442M	16M4D1D	16.185M	13.223M
5.725-5.85GHz	16.3M	16.417M	16M4D1D	3.14M	4.158M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	20.8M	17.641M	17M6D1D	20.75M	17.616M
5.25-5.35GHz	21.1M	17.641M	17M6D1D	20.75M	17.591M
5.47-5.725GHz	21.425M	17.666M	17M7D1D	16.29M	13.838M
5.725-5.85GHz	17.525M	17.641M	17M6D1D	3.78M	4.378M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	40.25M	36.032M	36M0D1D	39.85M	35.982M
5.25-5.35GHz	39.9M	35.982M	36M0D1D	39.85M	35.982M
5.47-5.725GHz	45.7M	36.132M	36M1D1D	39.41M	32.919M
5.725-5.85GHz	35.35M	36.182M	36M2D1D	3.14M	14.673M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	89M	75.662M	75M7D1D	89M	75.662M
5.25-5.35GHz	85.3M	75.662M	75M7D1D	85.3M	75.662M
5.47-5.725GHz	87.4M	75.762M	75M8D1D	77.475M	72.564M
5.725-5.85GHz	72.7M	75.862M	75M9D1D	3.16M	28.466M

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;



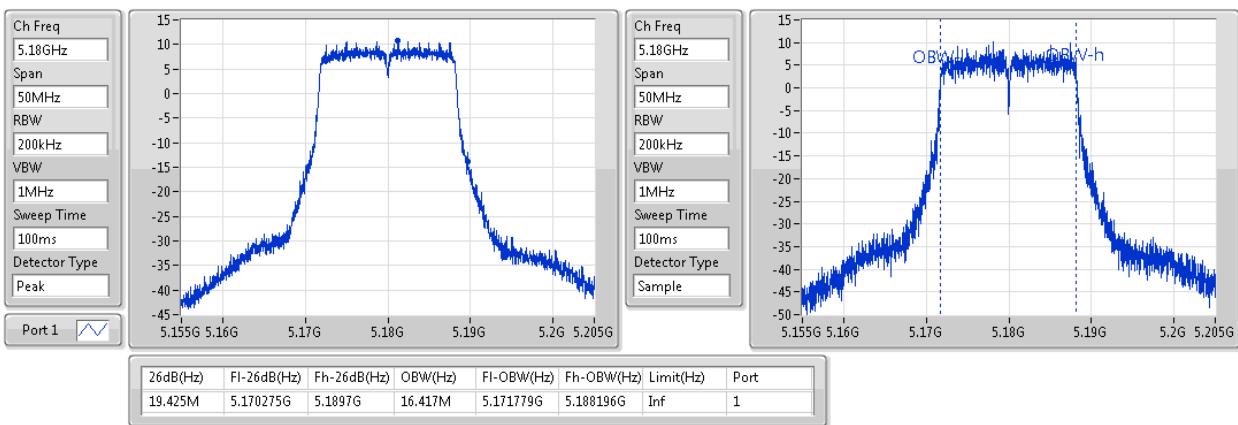
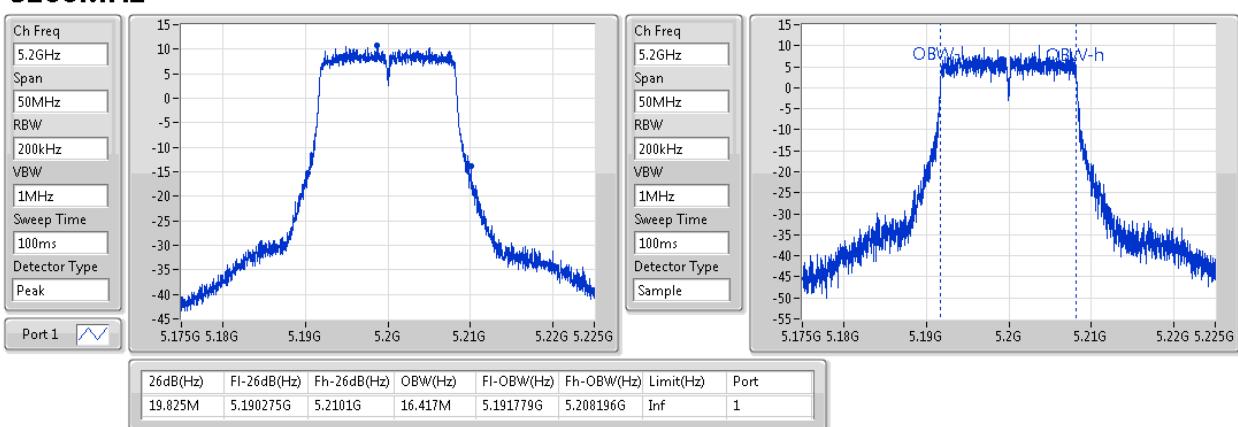
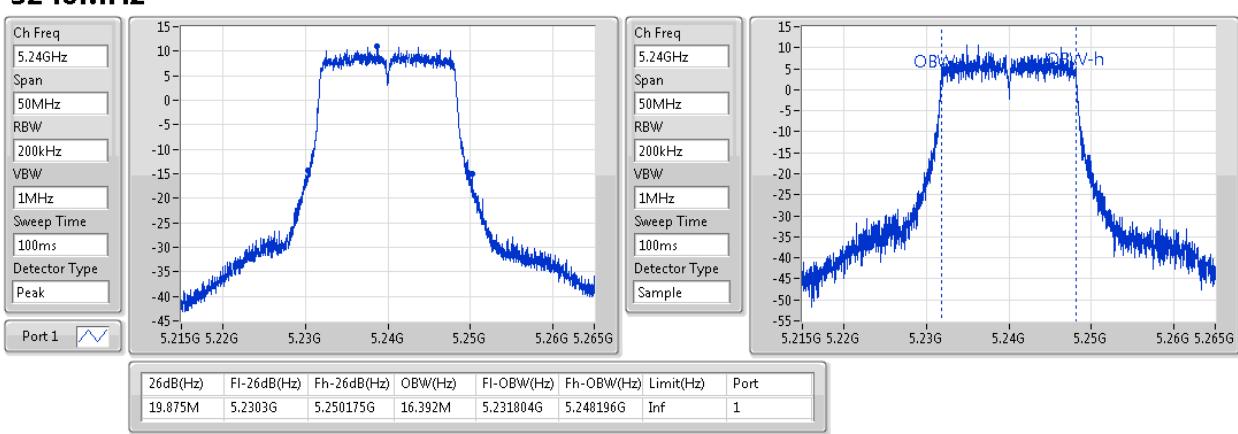
Result

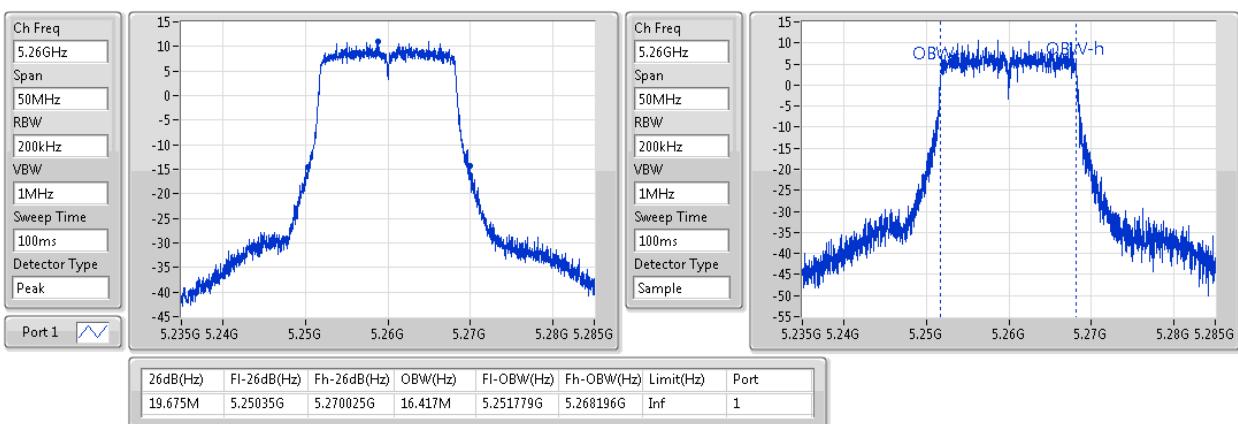
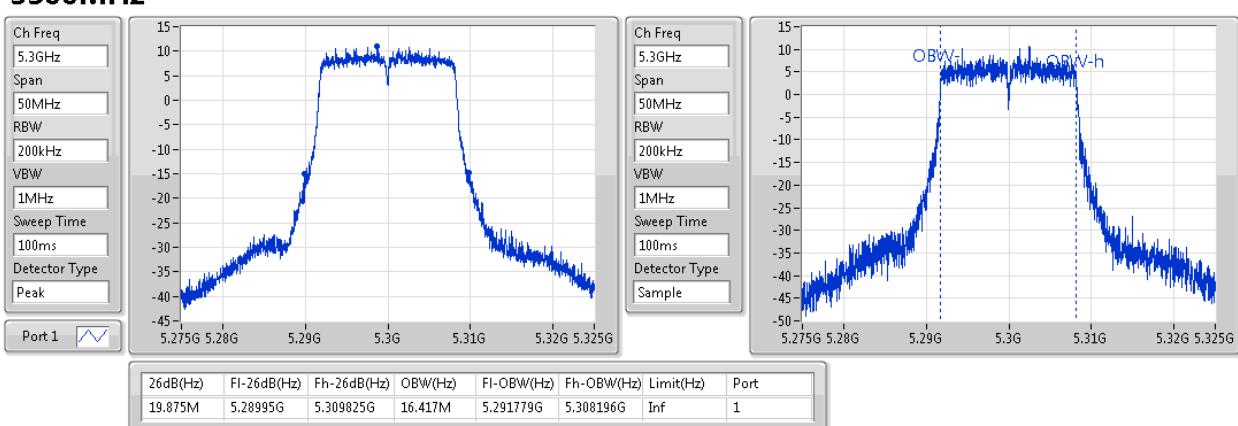
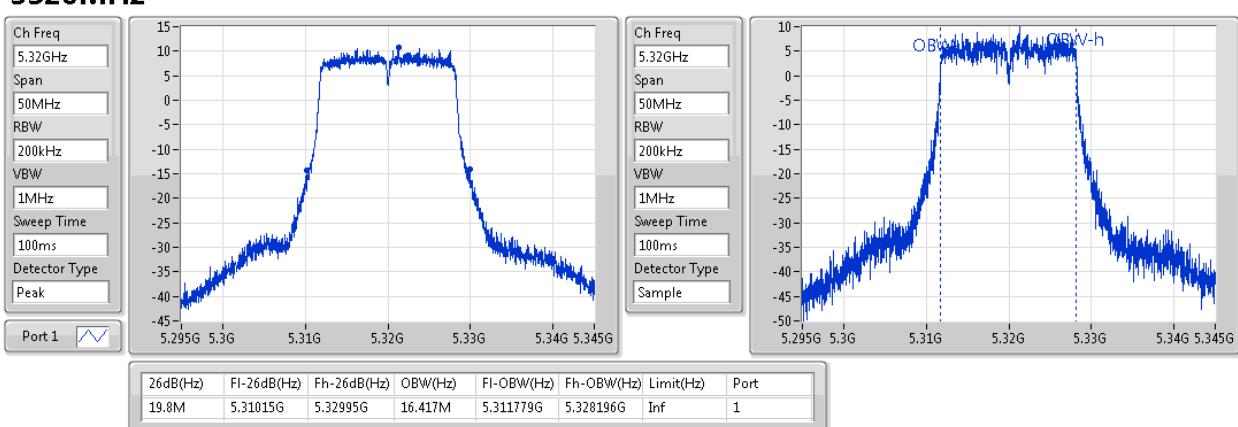
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	19.425M	16.417M
5200MHz	Pass	Inf	19.825M	16.417M
5240MHz	Pass	Inf	19.875M	16.392M
5260MHz	Pass	Inf	19.675M	16.417M
5300MHz	Pass	Inf	19.875M	16.417M
5320MHz	Pass	Inf	19.8M	16.417M
5500MHz	Pass	Inf	19.825M	16.392M
5580MHz	Pass	Inf	19.8M	16.417M
5700MHz	Pass	Inf	20.225M	16.442M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.185M	13.223M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	4.158M
5745MHz	Pass	500k	16.3M	16.392M
5785MHz	Pass	500k	16.3M	16.367M
5825MHz	Pass	500k	16.3M	16.417M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	20.75M	17.641M
5200MHz	Pass	Inf	20.75M	17.641M
5240MHz	Pass	Inf	20.8M	17.616M
5260MHz	Pass	Inf	21.075M	17.641M
5300MHz	Pass	Inf	21.1M	17.616M
5320MHz	Pass	Inf	20.75M	17.591M
5500MHz	Pass	Inf	21.2M	17.616M
5580MHz	Pass	Inf	20.925M	17.641M
5700MHz	Pass	Inf	21.425M	17.666M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.29M	13.838M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.378M
5745MHz	Pass	500k	17.25M	17.616M
5785MHz	Pass	500k	17.525M	17.641M
5825MHz	Pass	500k	17.125M	17.641M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	39.85M	36.032M
5230MHz	Pass	Inf	40.25M	35.982M
5270MHz	Pass	Inf	39.9M	35.982M
5310MHz	Pass	Inf	39.85M	35.982M
5510MHz	Pass	Inf	39.75M	36.032M
5550MHz	Pass	Inf	45.2M	36.082M
5670MHz	Pass	Inf	45.7M	36.132M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	39.41M	32.919M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	14.673M
5755MHz	Pass	500k	33.2M	36.182M
5795MHz	Pass	500k	35.35M	36.182M

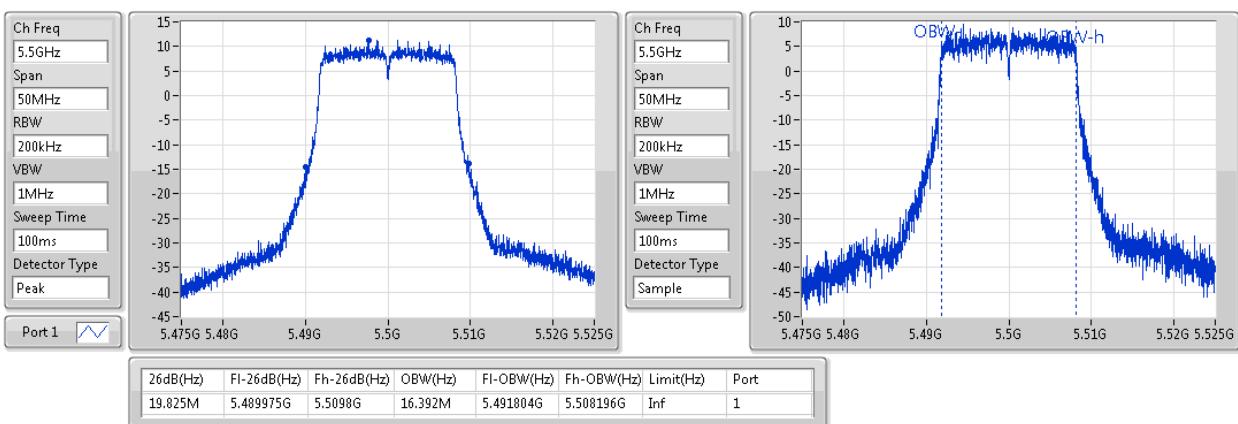
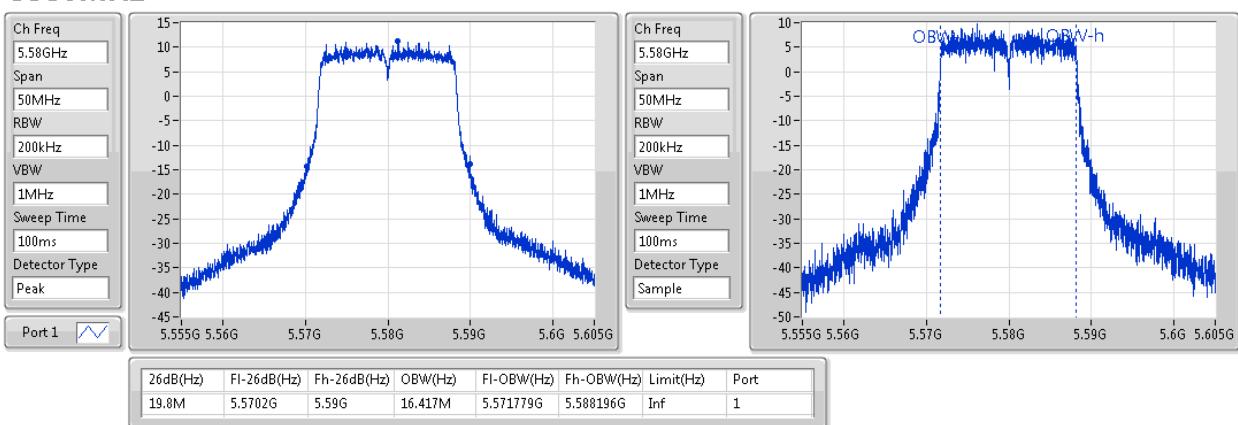
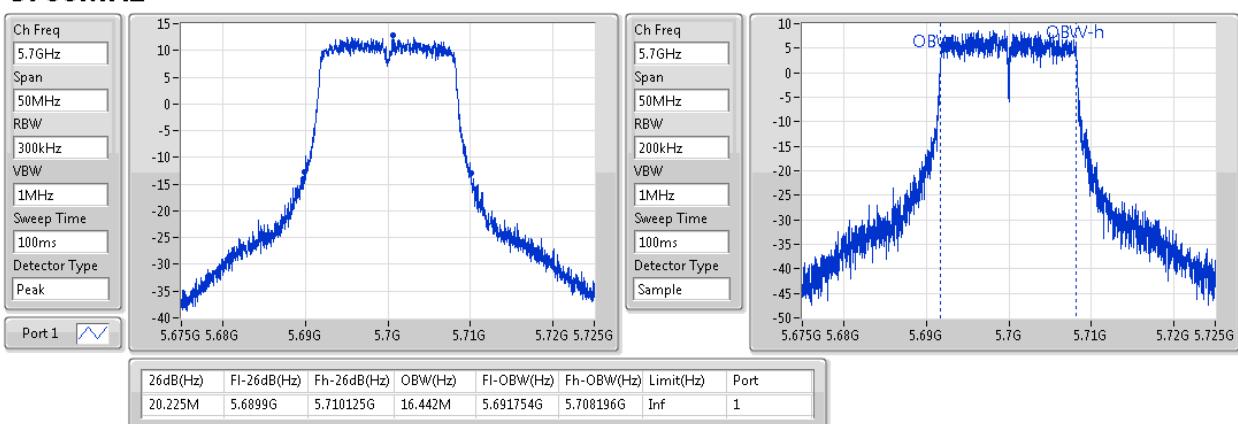
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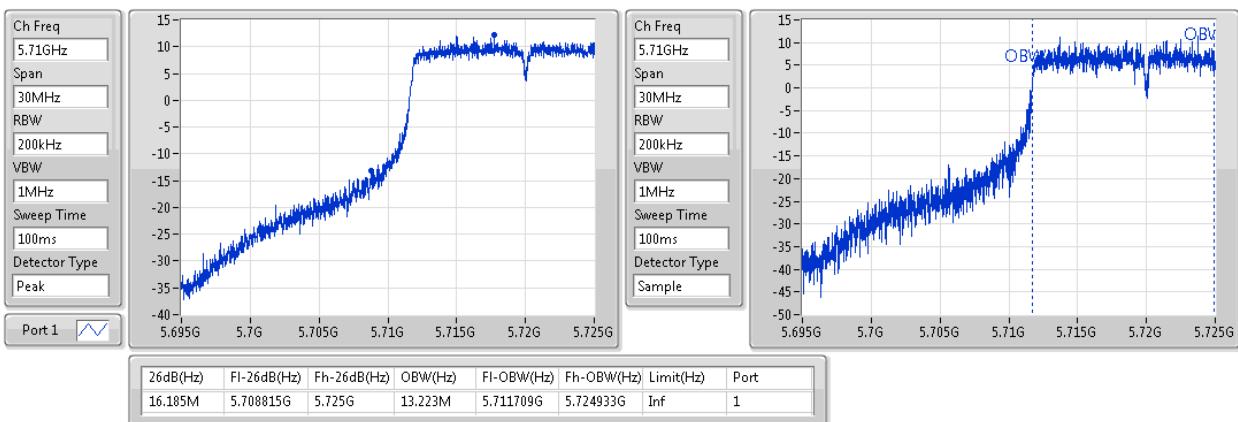
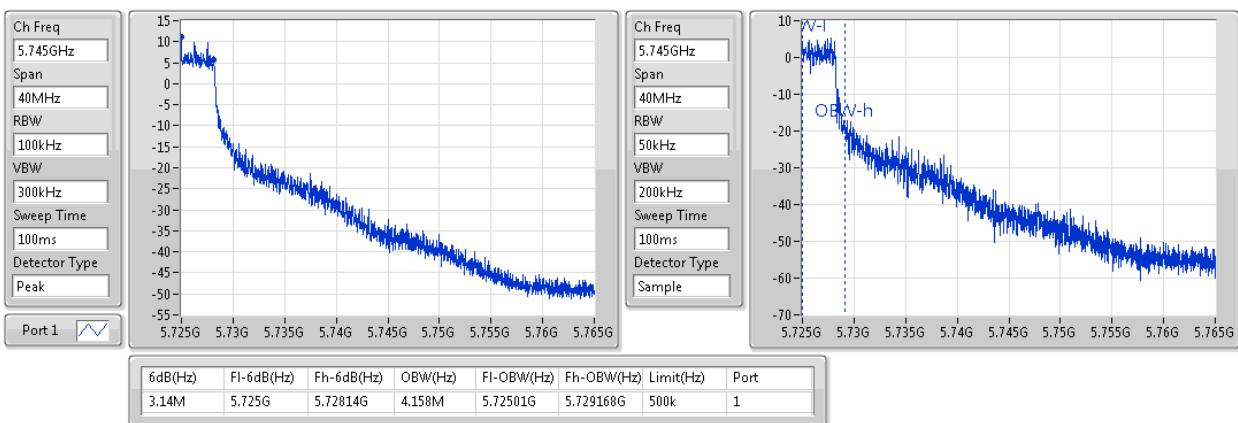
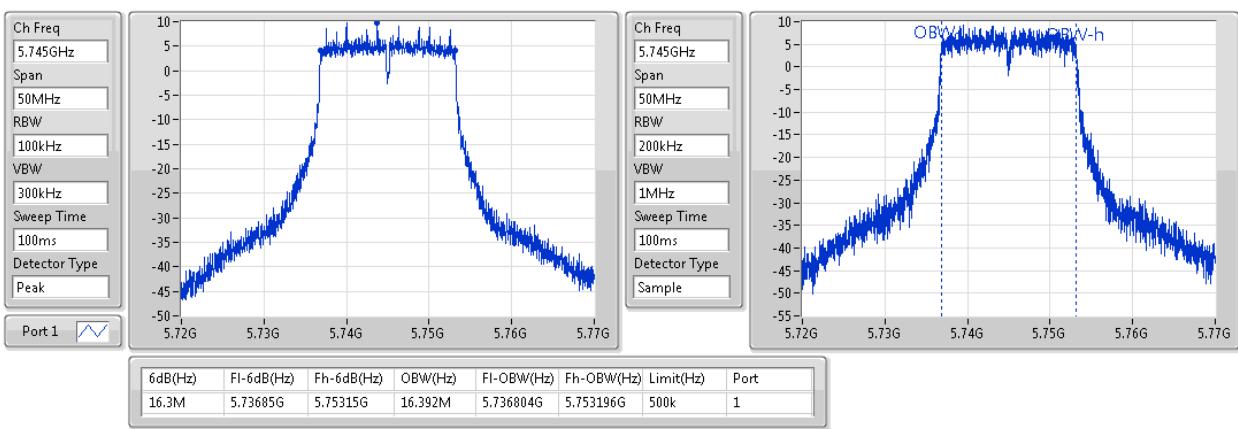
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	89M	75.662M
5290MHz	Pass	Inf	85.3M	75.662M
5530MHz	Pass	Inf	84.8M	75.762M
5610MHz	Pass	Inf	87.4M	75.662M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.475M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	28.466M
5775MHz	Pass	500k	72.7M	75.862M

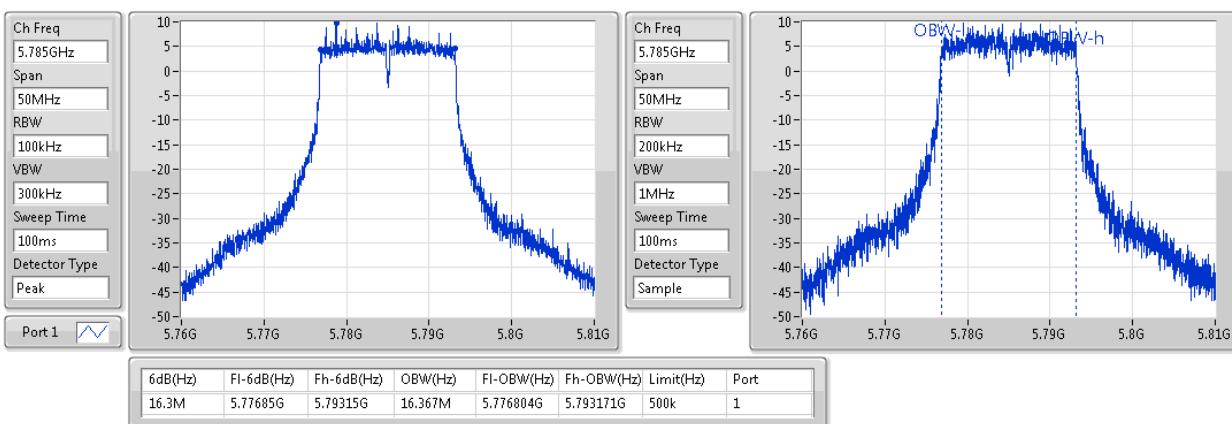
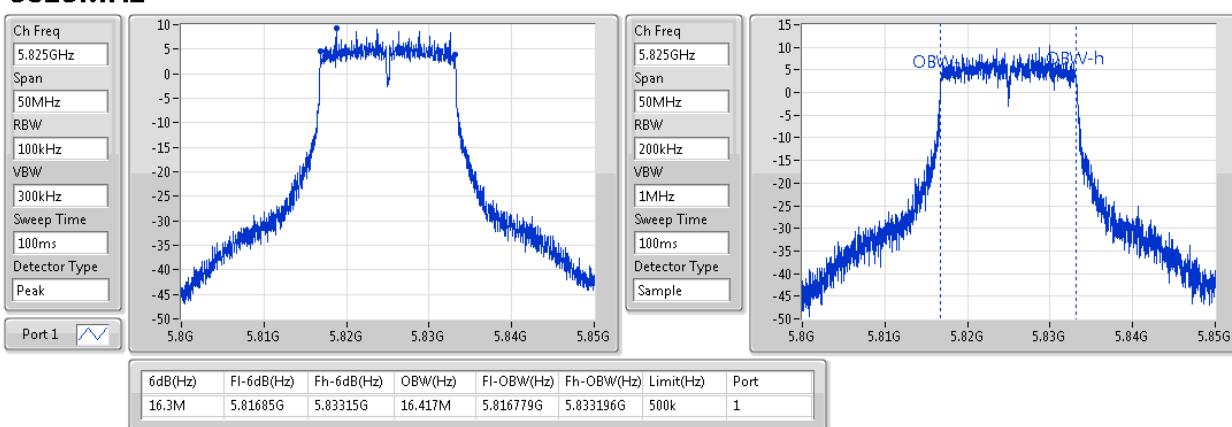
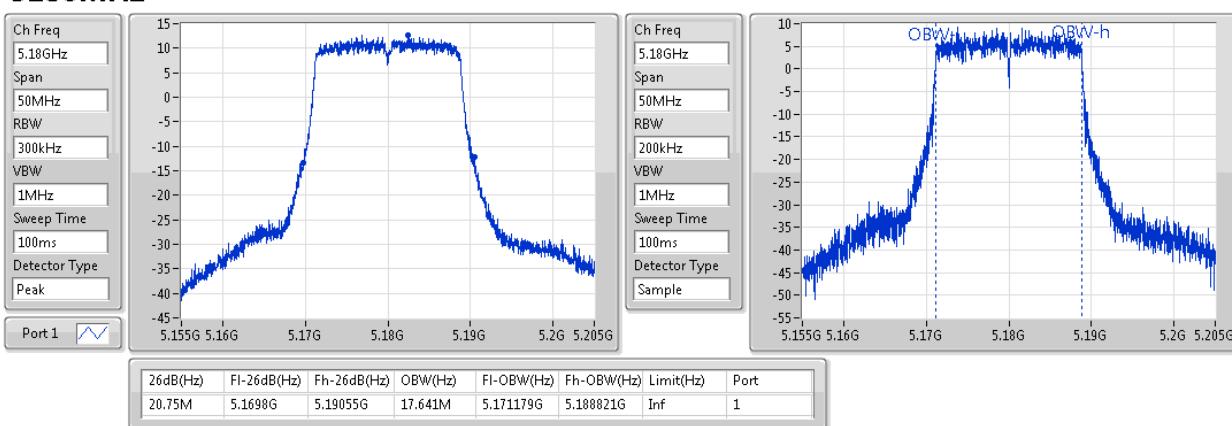
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band**Port X-OBW** = Port X 99% occupied bandwidth;

**802.11a_(6Mbps)_1TX****EBW****5180MHz****802.11a_(6Mbps)_1TX****EBW****5200MHz****802.11a_(6Mbps)_1TX****EBW****5240MHz**

**802.11a_(6Mbps)_1TX****EBW****5260MHz****802.11a_(6Mbps)_1TX****EBW****5300MHz****802.11a_(6Mbps)_1TX****EBW****5320MHz**

**802.11a_(6Mbps)_1TX****EBW****5500MHz****802.11a_(6Mbps)_1TX****EBW****5580MHz****802.11a_(6Mbps)_1TX****EBW****5700MHz**

**802.11a_(6Mbps)_1TX****EBW****5720MHz Straddle 5.47-5.725GHz****802.11a_(6Mbps)_1TX****EBW****5720MHz Straddle 5.725-5.85GHz****802.11a_(6Mbps)_1TX****EBW****5745MHz**

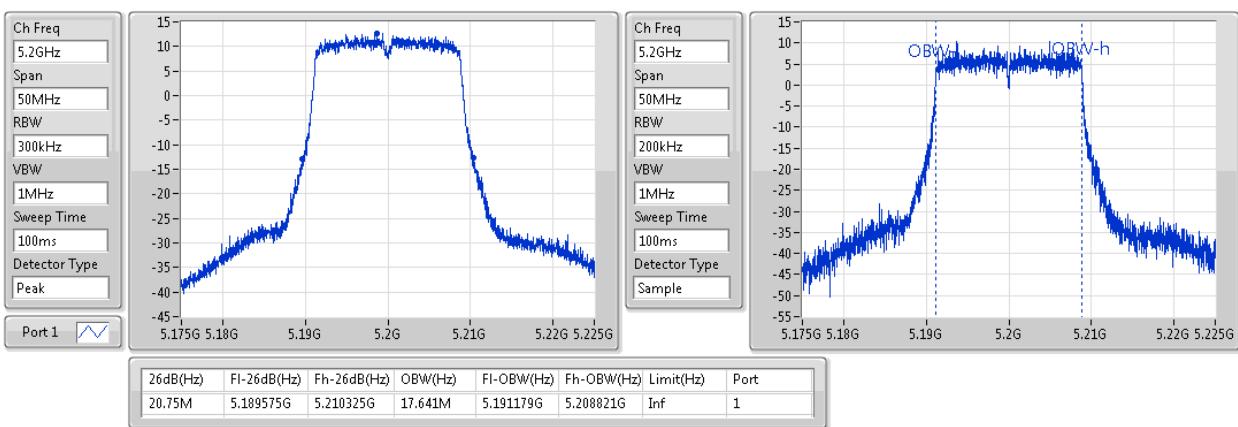
**802.11a_(6Mbps)_1TX****EBW****5785MHz****802.11a_(6Mbps)_1TX****EBW****5825MHz****802.11ac VHT20_Nss1,(MCS0)_1TX****EBW****5180MHz**



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

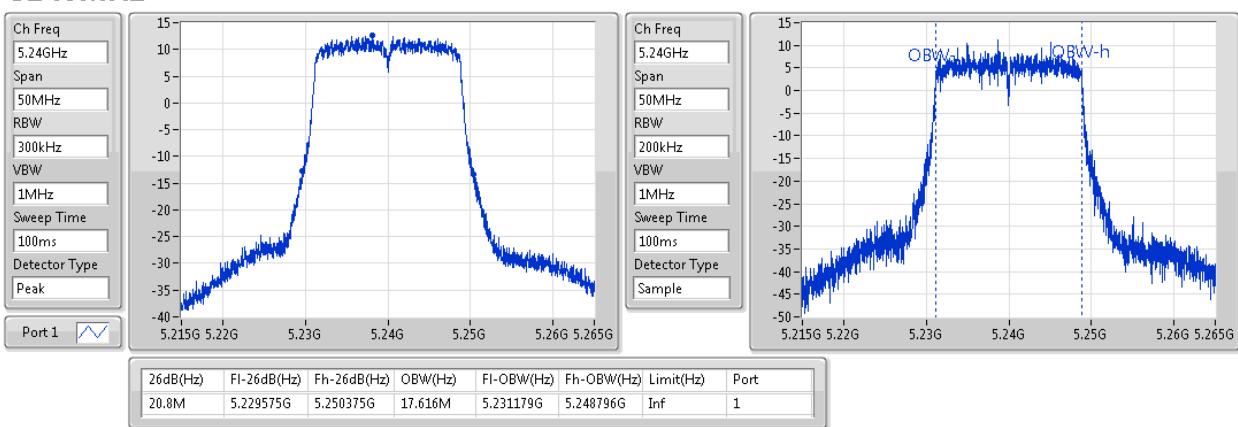
5200MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

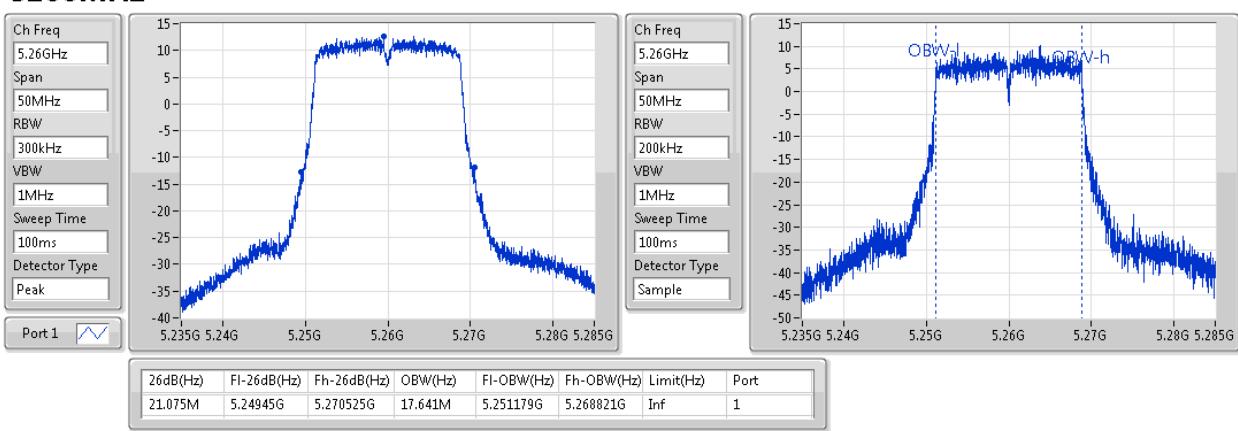
5240MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5260MHz

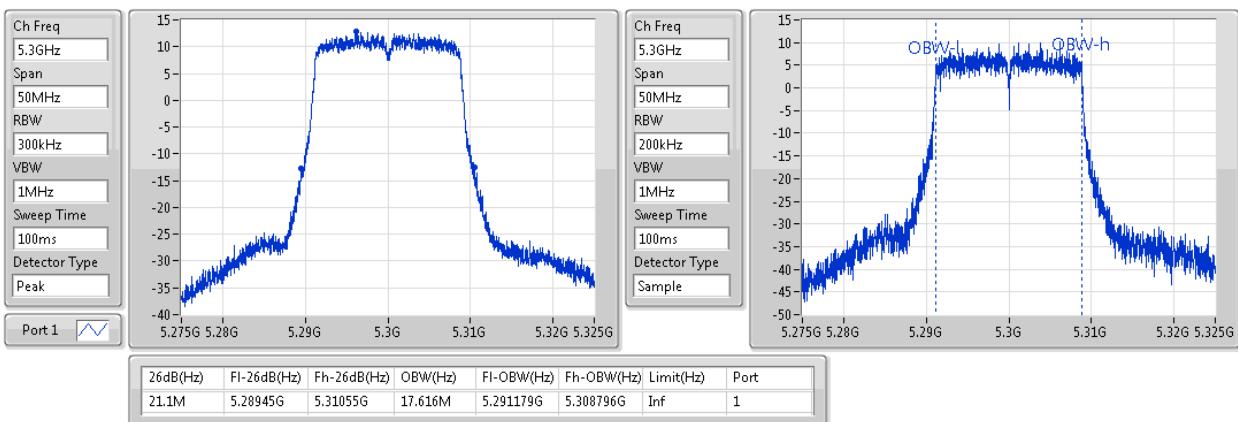




802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

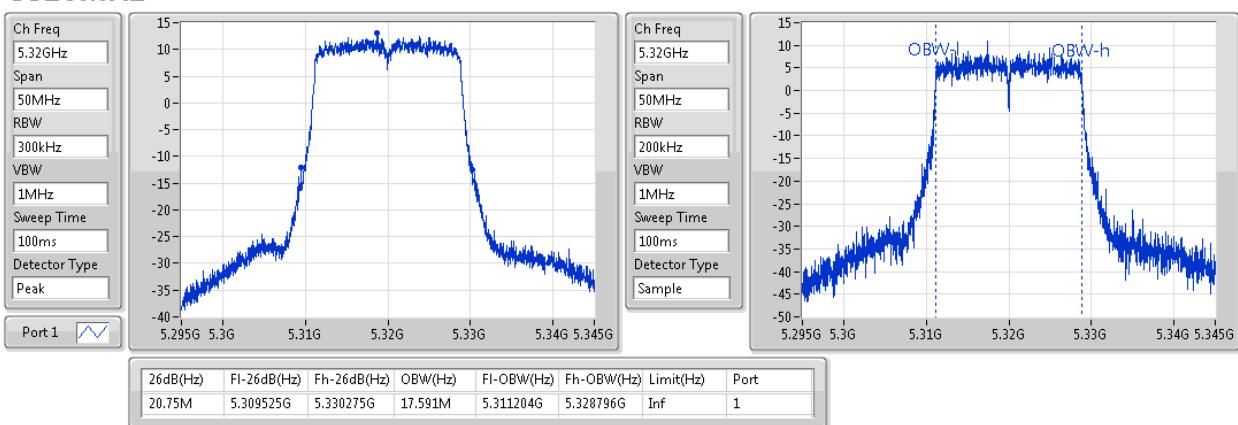
5300MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

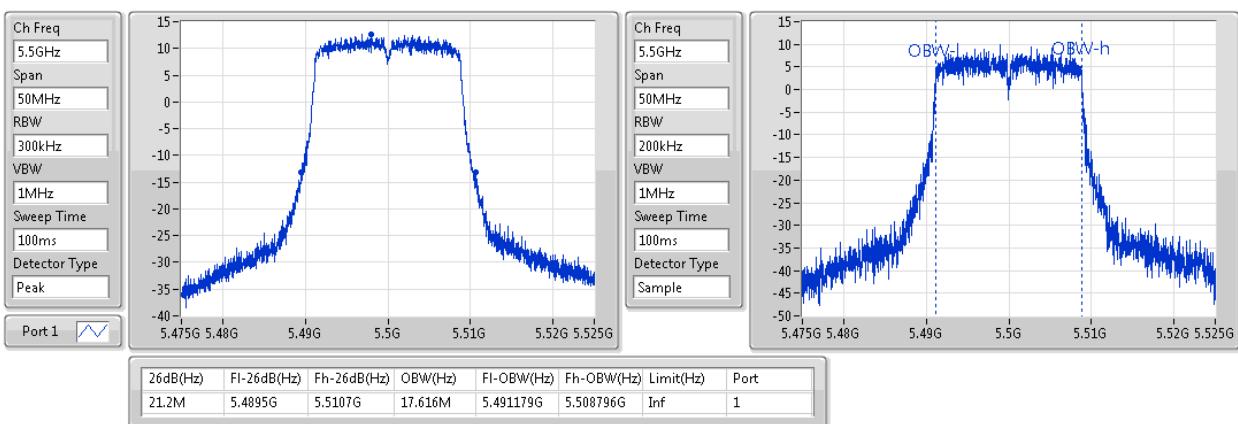
5320MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5500MHz

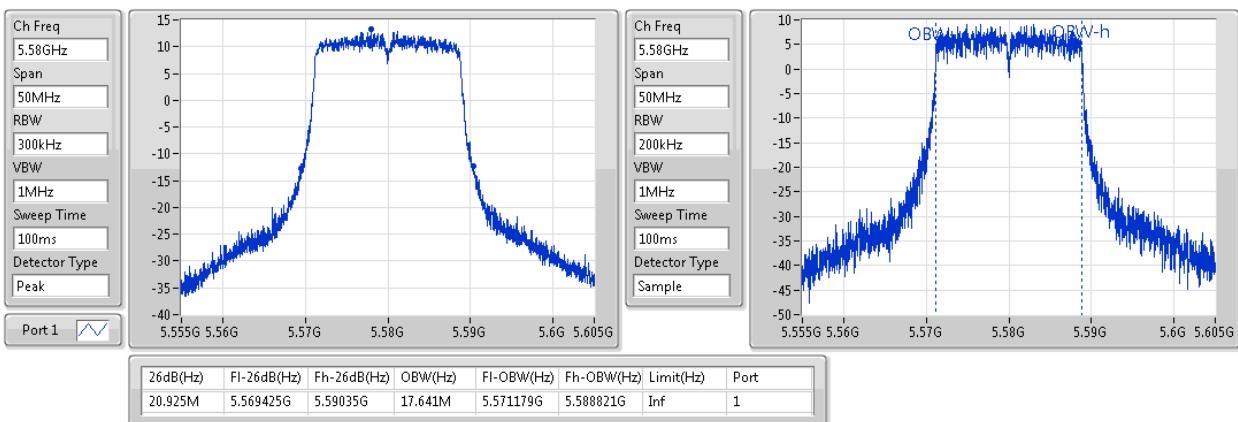




802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

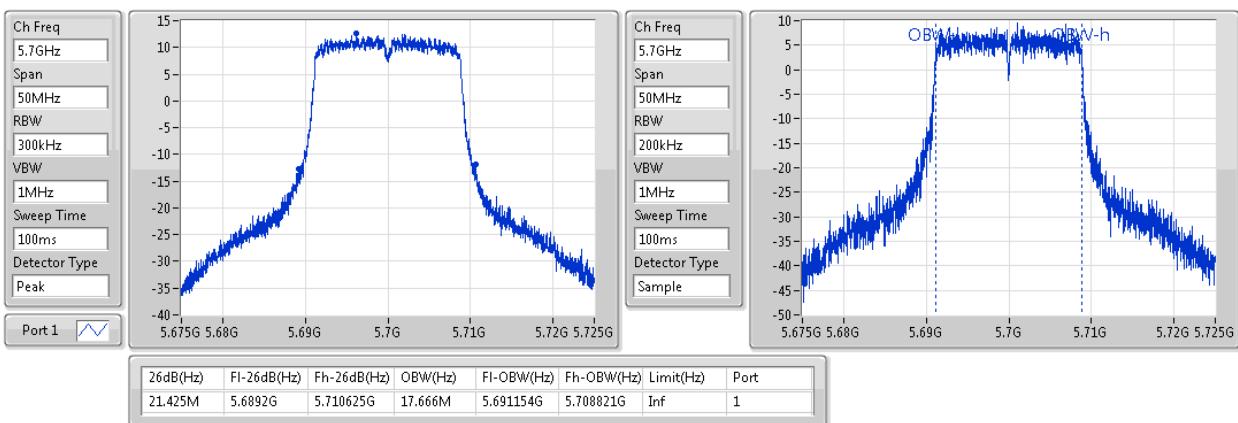
5580MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

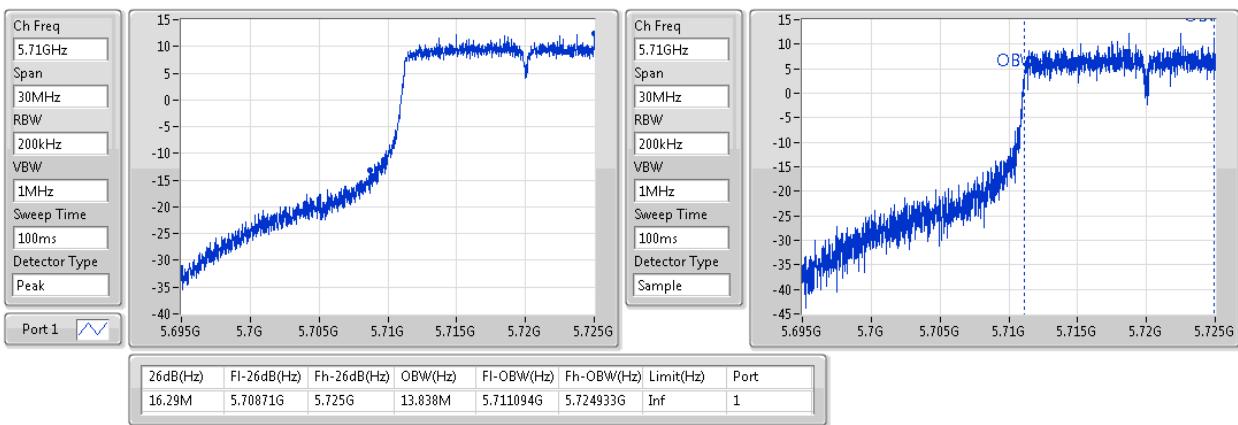
5700MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

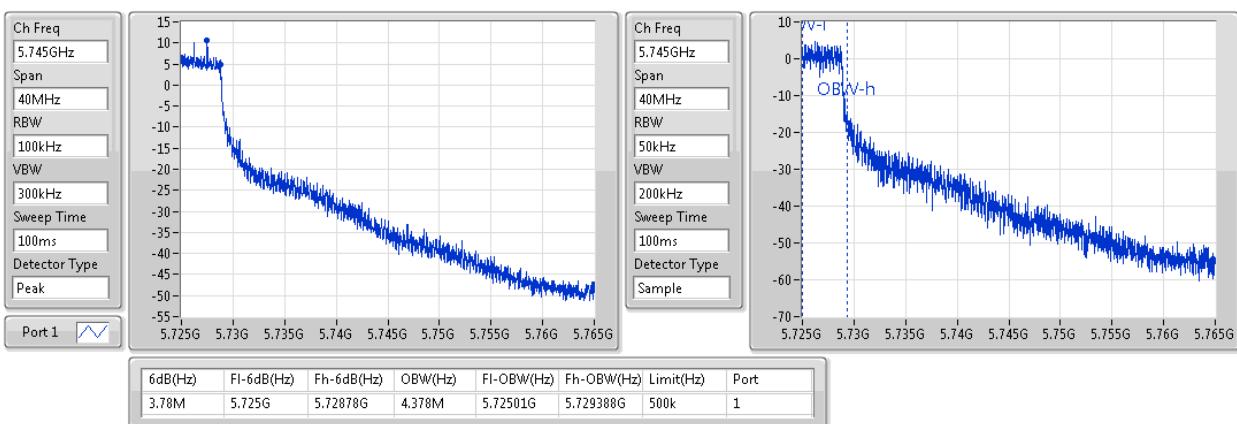




802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

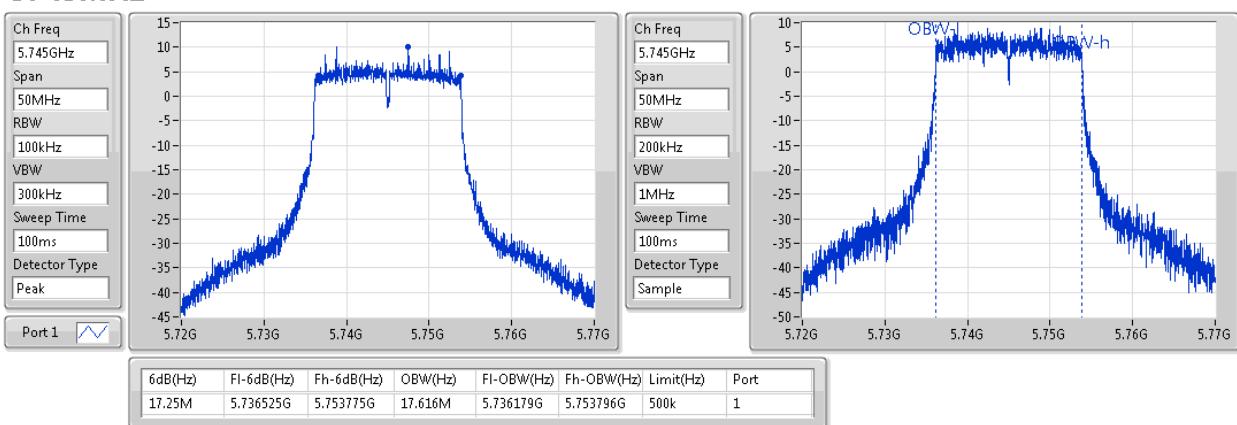
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

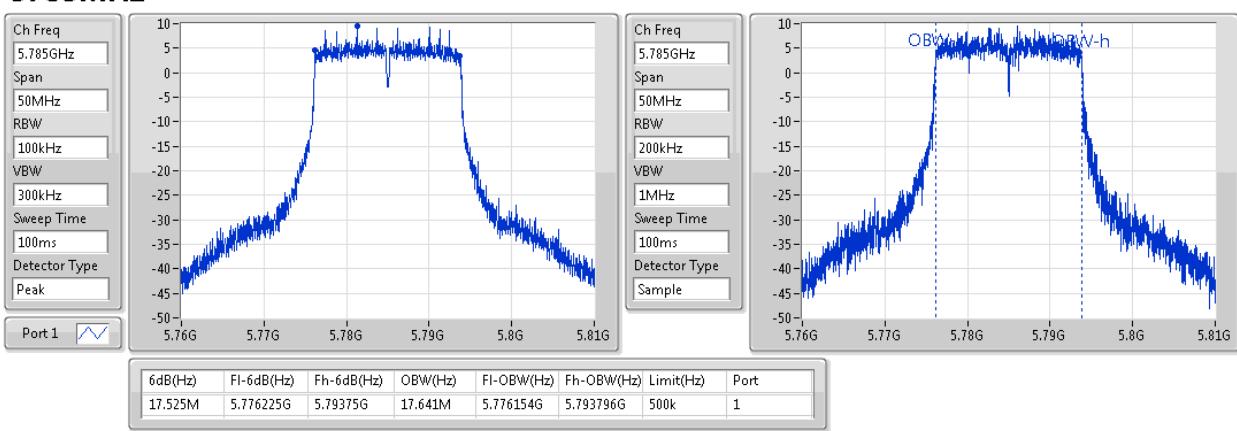
5745MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5785MHz

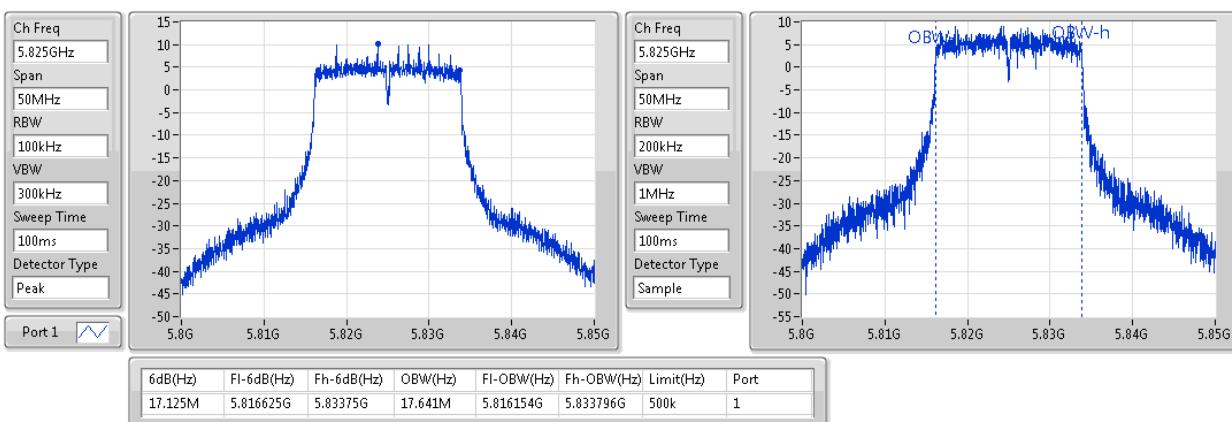




802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

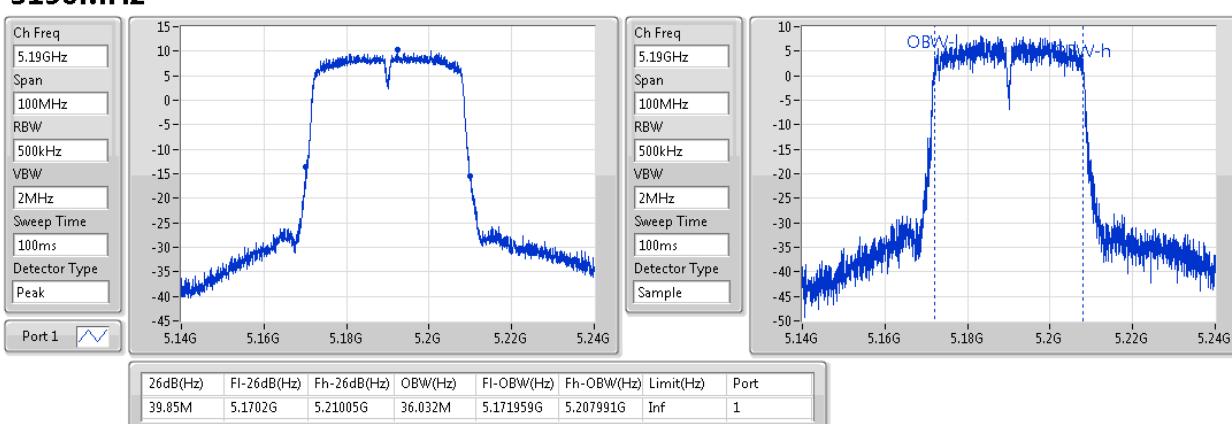
5825MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

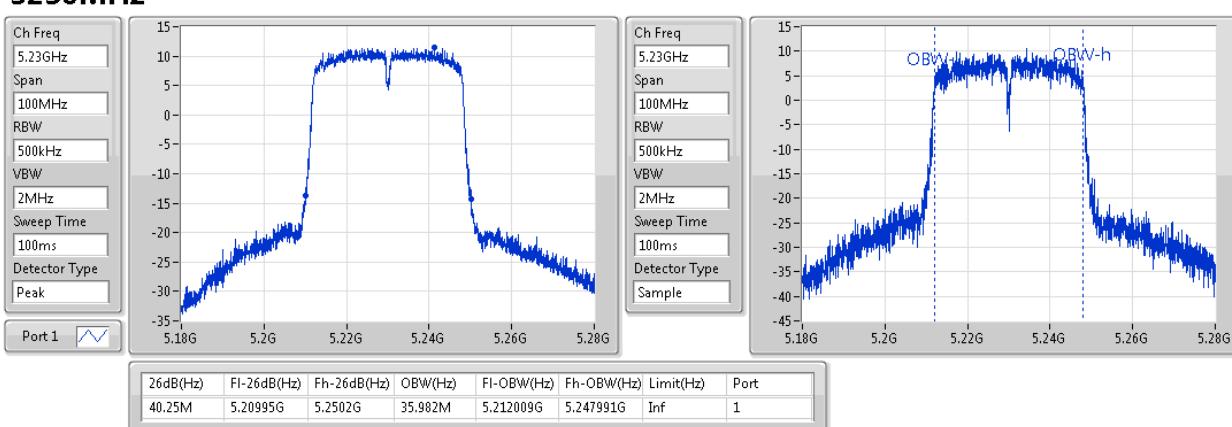
5190MHz

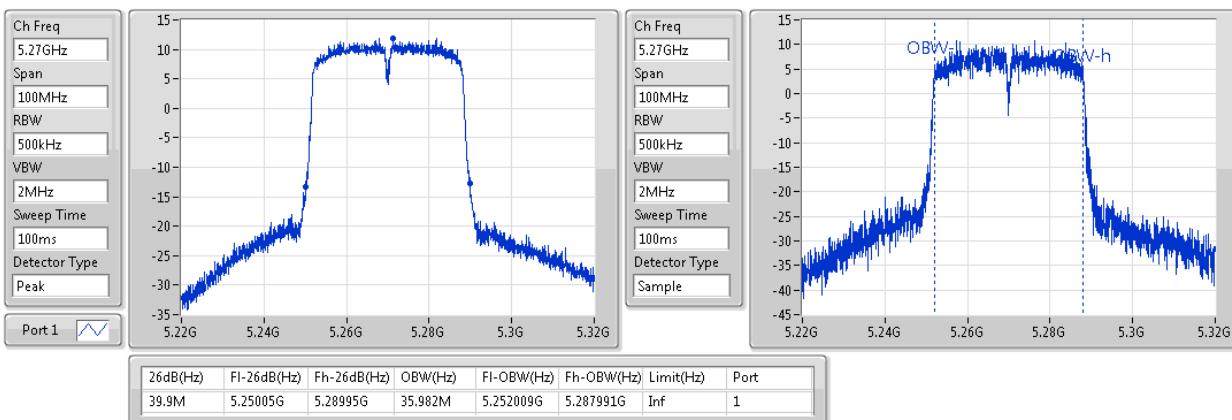
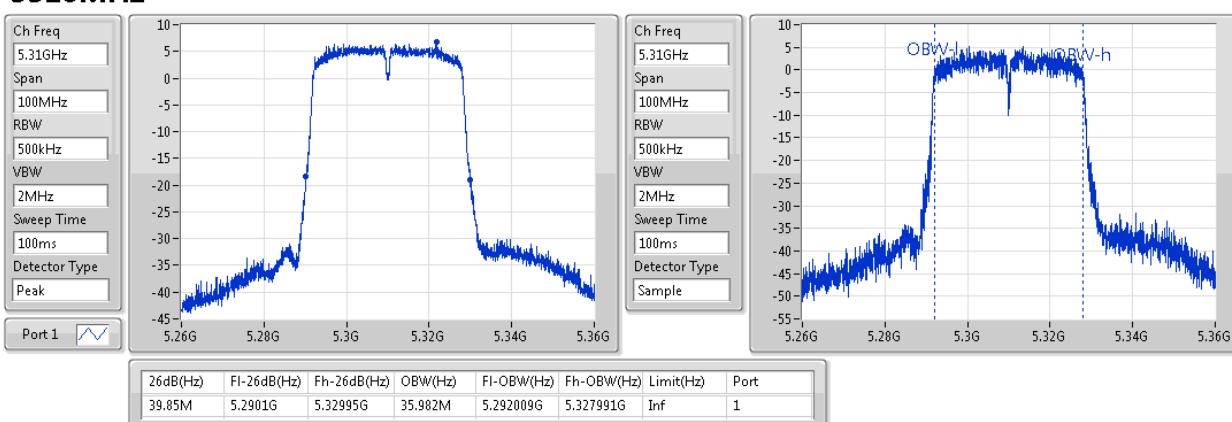
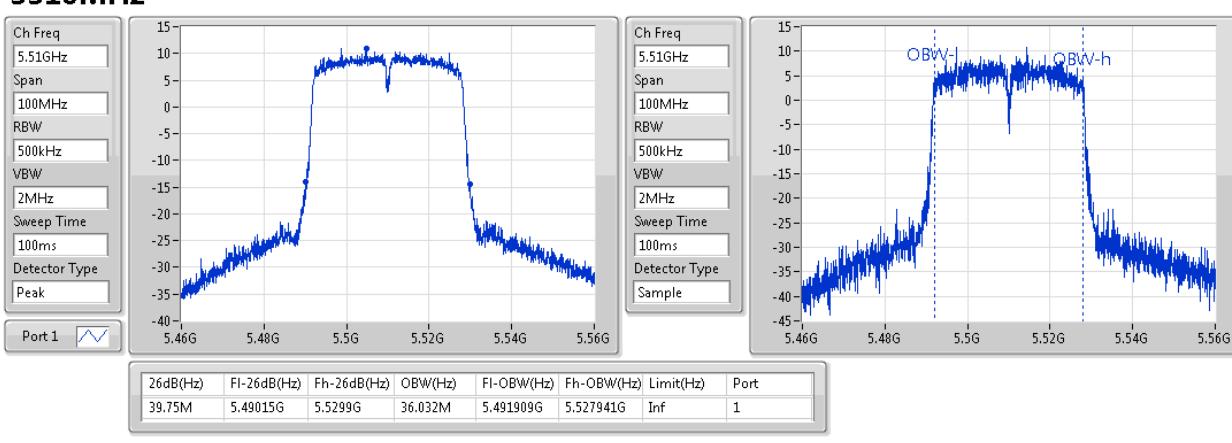


802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5230MHz



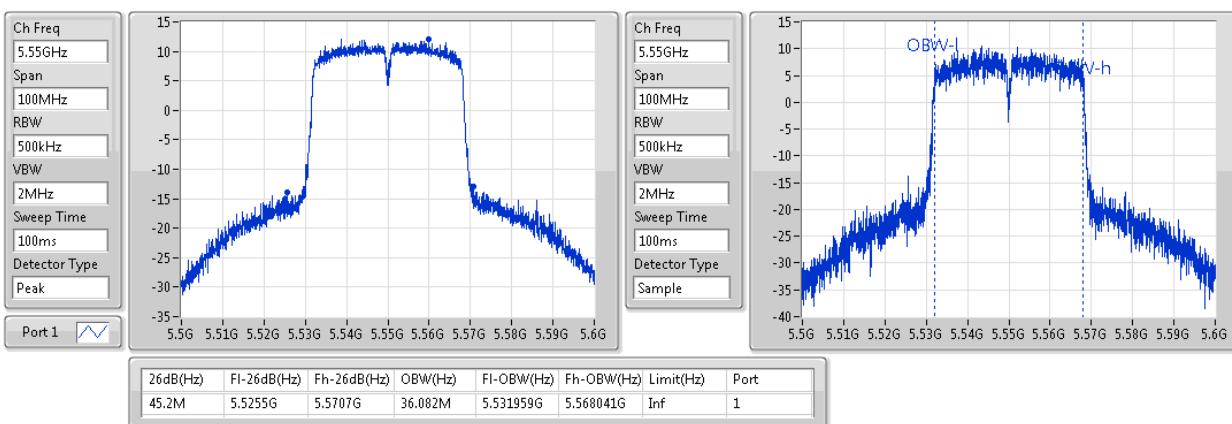
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802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

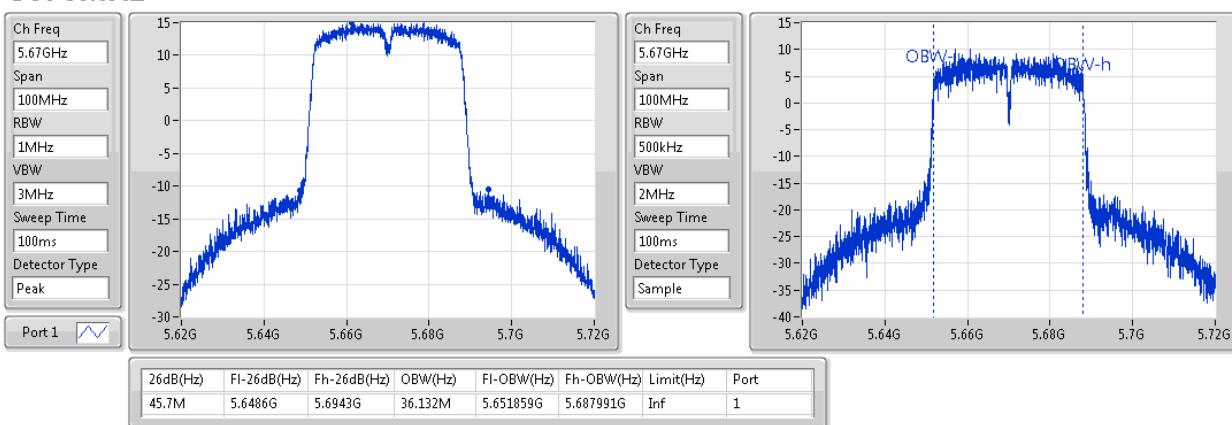
5550MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

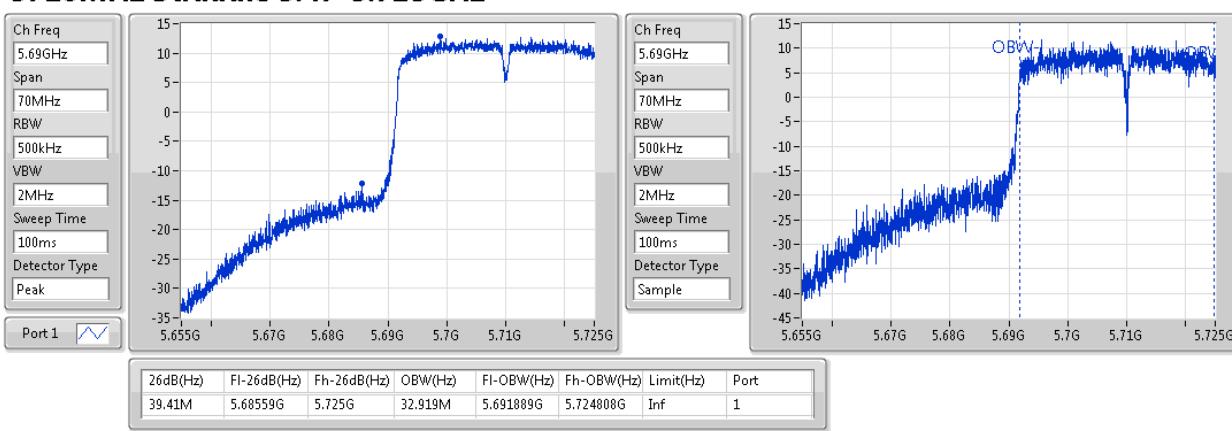
5670MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

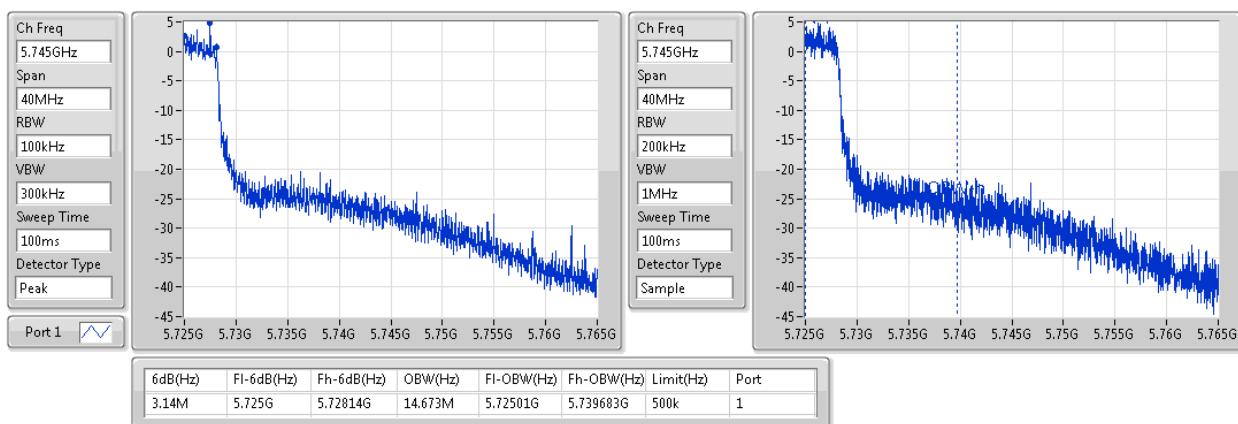




802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

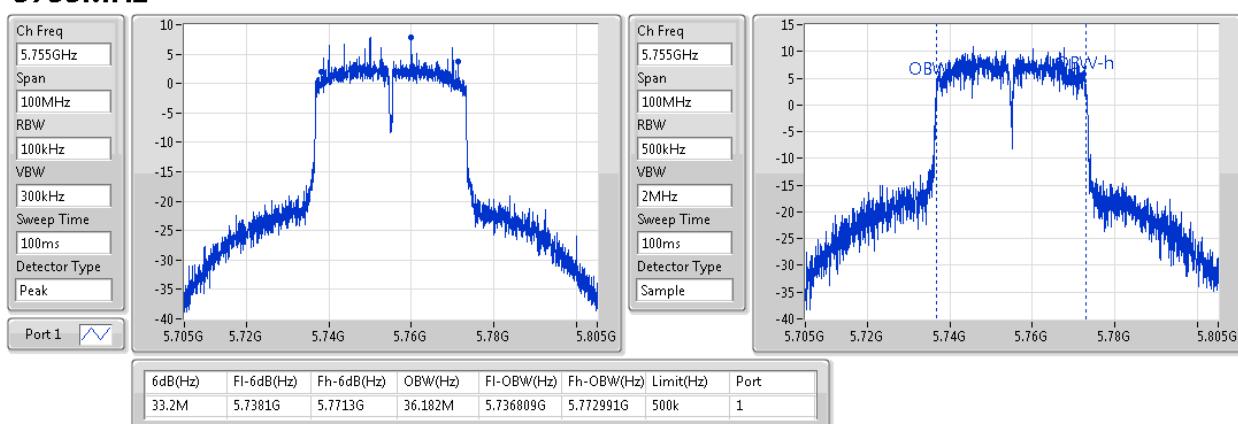
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

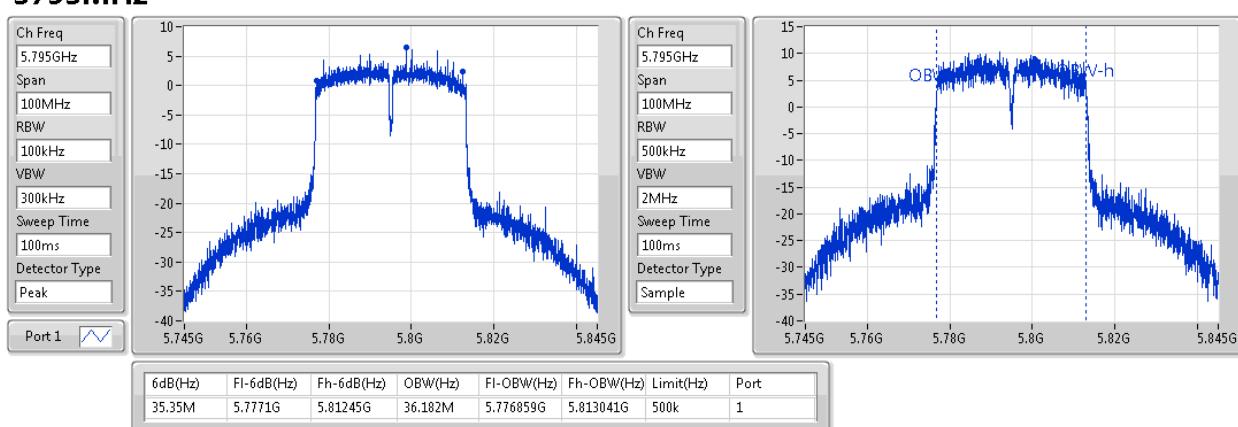
5755MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5795MHz

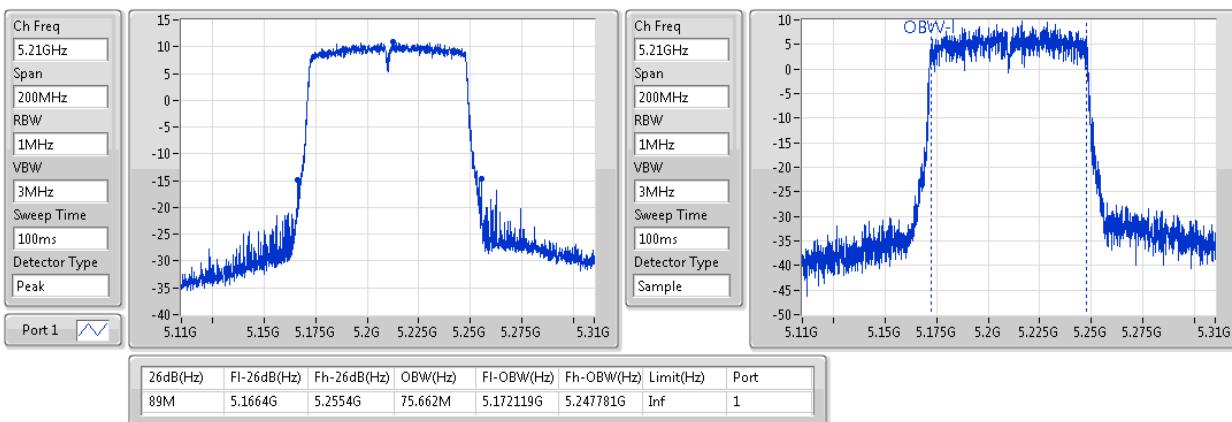




802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

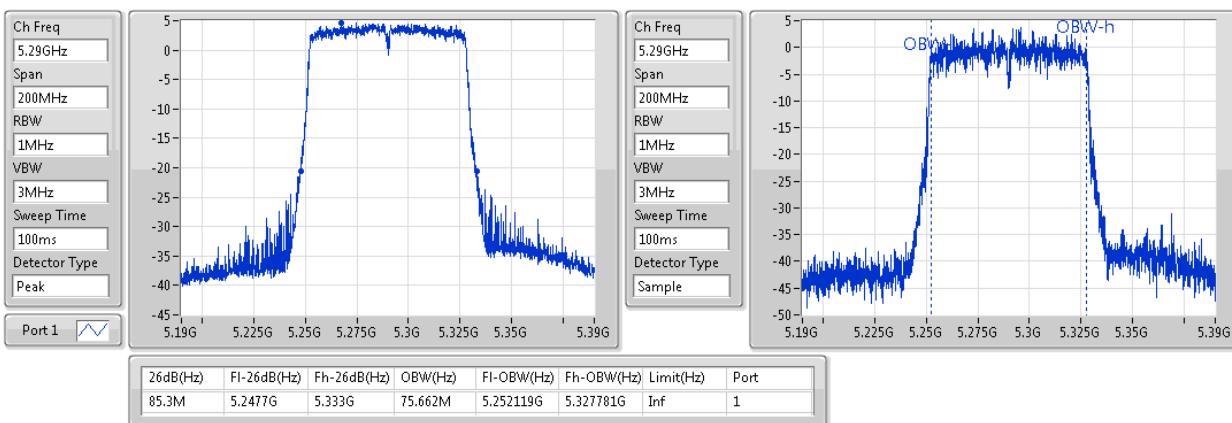
5210MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

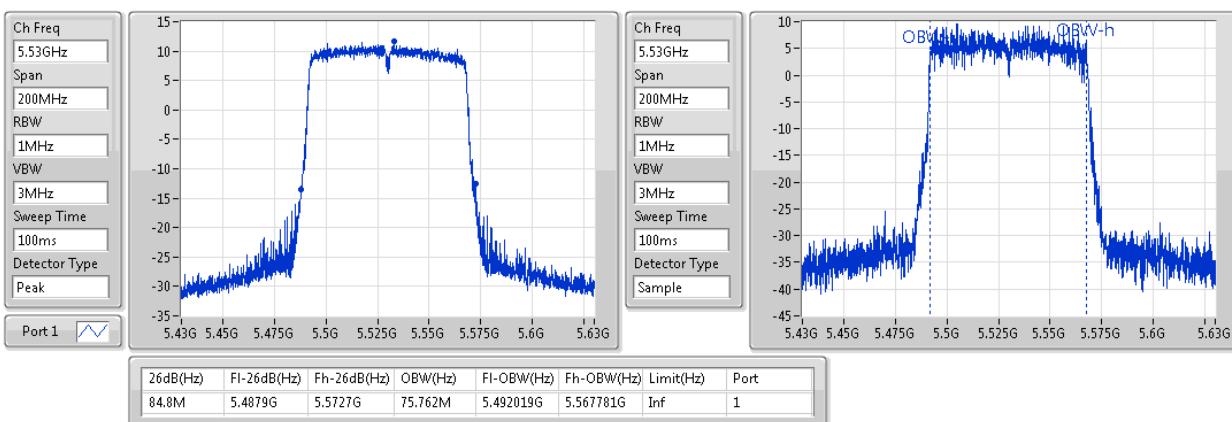
5290MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5530MHz

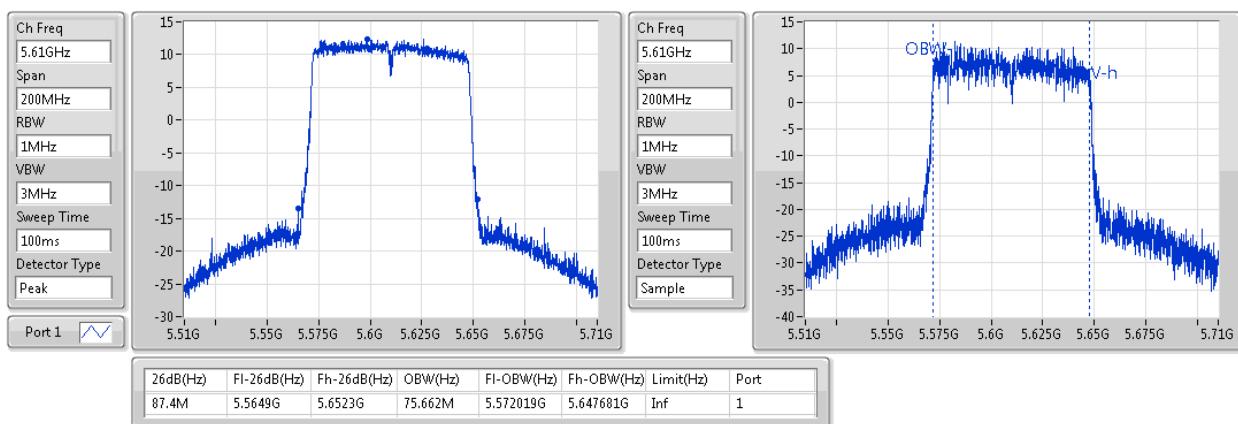




802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

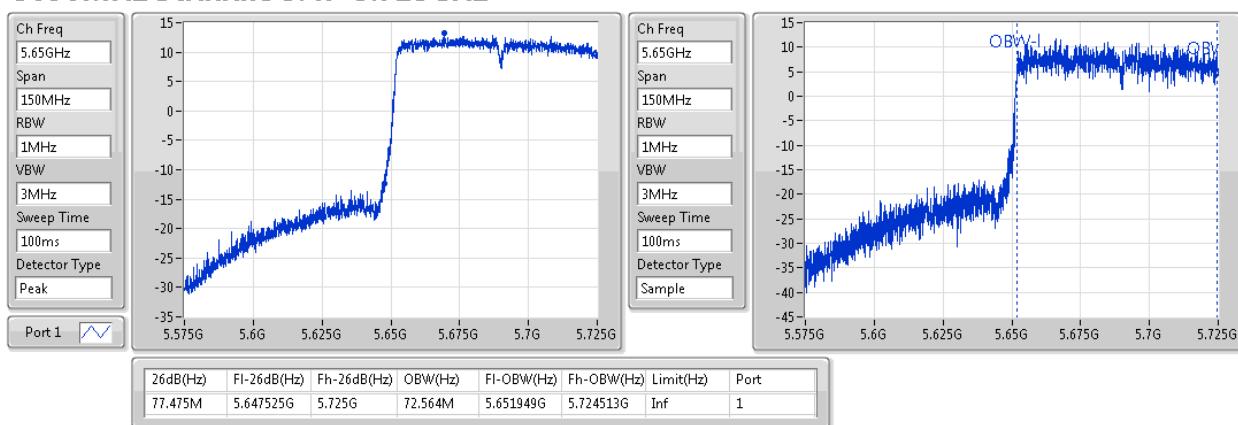
5610MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

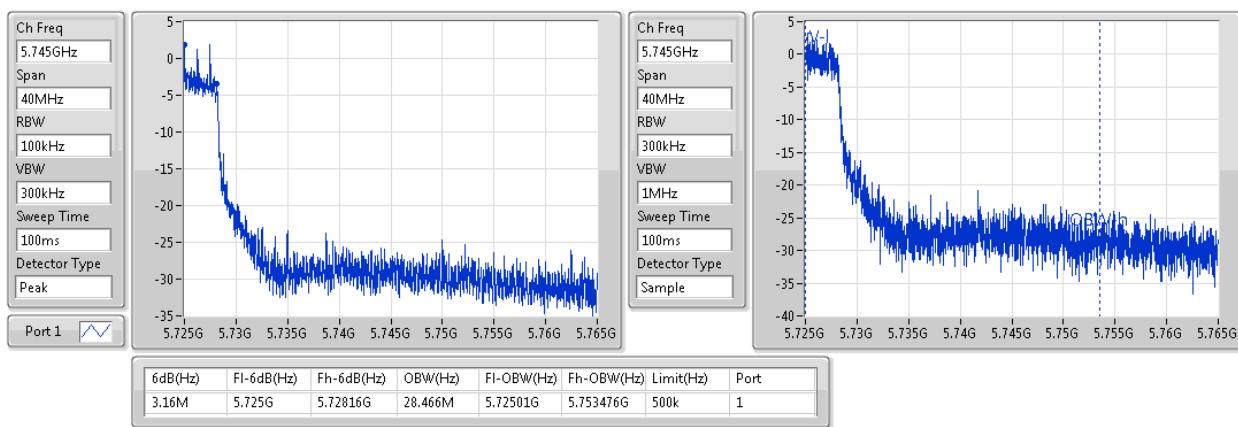
5690MHz Straddle 5.47-5.725GHz

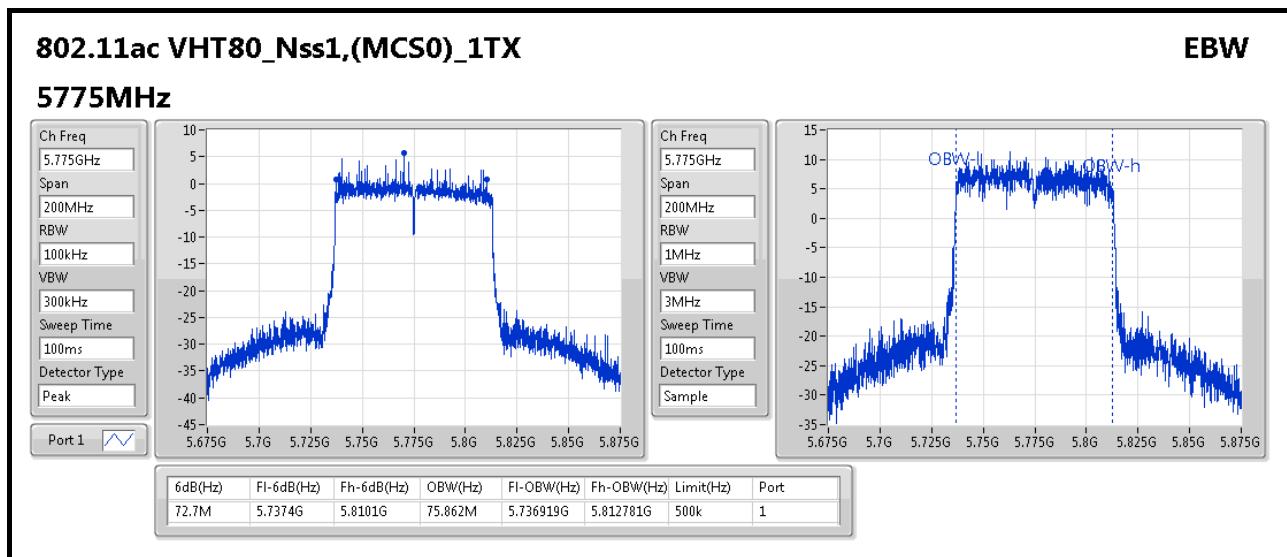


802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz







For Set 2 antennas / 2TX:
<For Non-Beamforming Mode>
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_2TX	-	-	-	-	-
5.15-5.25GHz	19.7M	16.442M	16M4D1D	19.3M	16.417M
5.25-5.35GHz	19.375M	16.417M	16M4D1D	18.95M	16.417M
5.47-5.725GHz	19.8M	16.417M	16M4D1D	14.49M	13.178M
5.725-5.85GHz	16.3M	16.442M	16M4D1D	3.14M	3.478M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	20.85M	17.641M	17M6D1D	20M	17.591M
5.25-5.35GHz	20.55M	17.641M	17M6D1D	20M	17.591M
5.47-5.725GHz	20.4M	17.616M	17M6D1D	15.06M	13.763M
5.725-5.85GHz	17.5M	17.666M	17M7D1D	3.38M	3.918M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	40.15M	35.982M	36M0D1D	39.5M	35.882M
5.25-5.35GHz	40M	35.982M	36M0D1D	39.55M	35.882M
5.47-5.725GHz	40.05M	36.032M	36M0D1D	34.825M	32.814M
5.725-5.85GHz	35.3M	36.032M	36M0D1D	3.18M	3.818M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	86.8M	75.862M	75M9D1D	84.1M	75.562M
5.25-5.35GHz	87.8M	75.962M	76M0D1D	84.6M	75.662M
5.47-5.725GHz	85.9M	75.862M	75M9D1D	77.1M	72.564M
5.725-5.85GHz	75.1M	75.762M	75M8D1D	3.12M	6.177M

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;



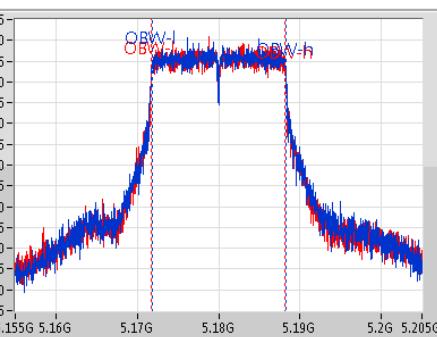
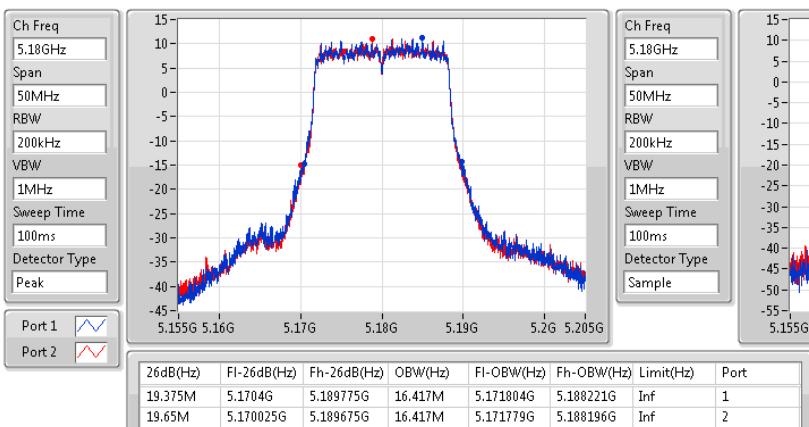
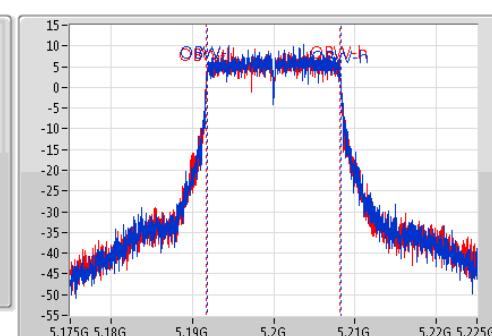
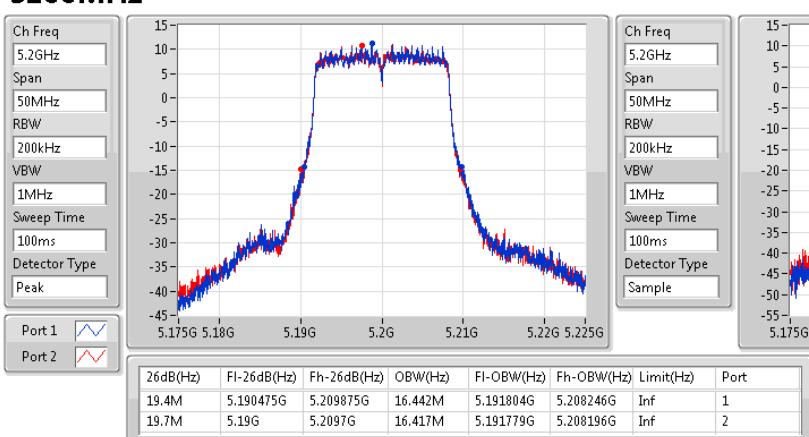
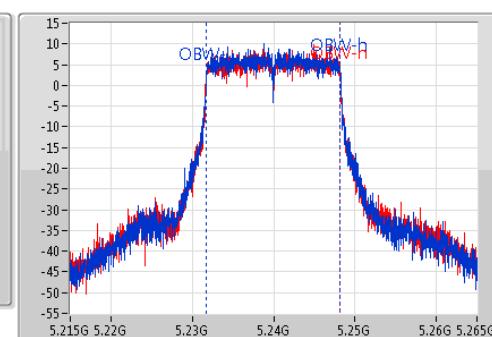
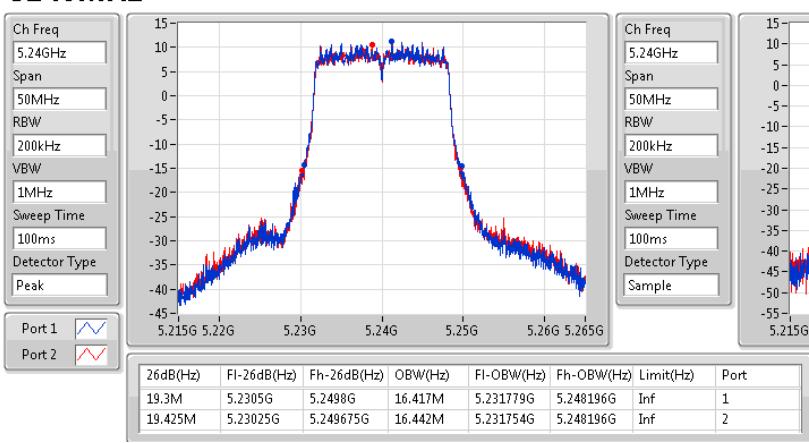
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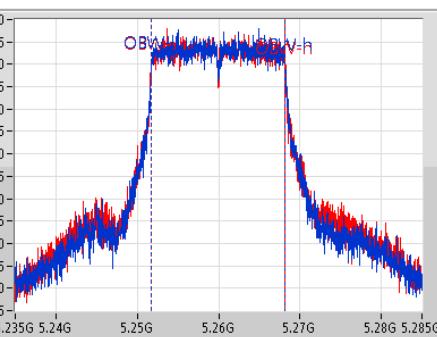
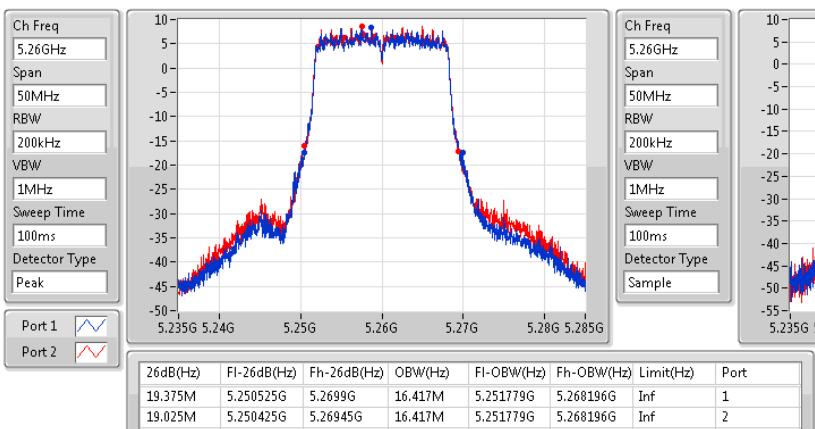
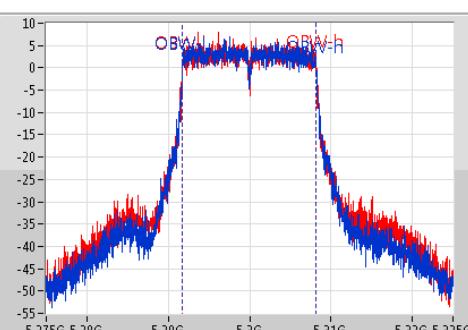
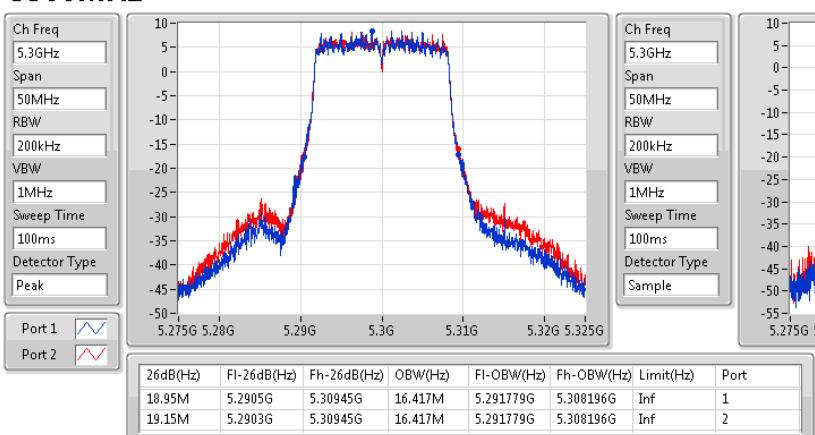
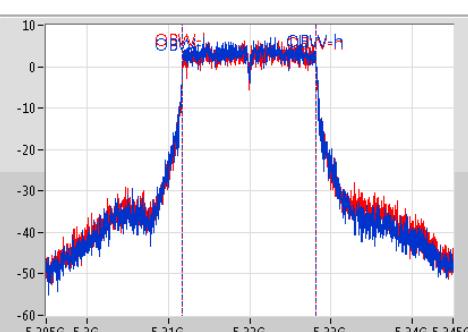
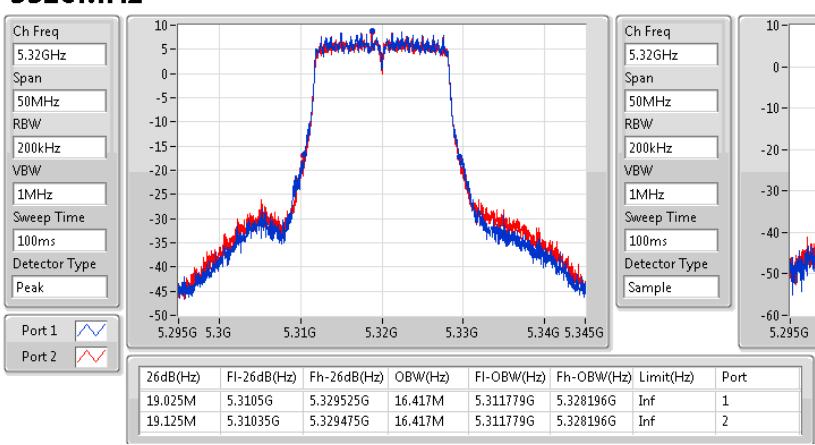
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.375M	16.417M	19.65M	16.417M
5200MHz	Pass	Inf	19.4M	16.442M	19.7M	16.417M
5240MHz	Pass	Inf	19.3M	16.417M	19.425M	16.442M
5260MHz	Pass	Inf	19.375M	16.417M	19.025M	16.417M
5300MHz	Pass	Inf	18.95M	16.417M	19.15M	16.417M
5320MHz	Pass	Inf	19.025M	16.417M	19.125M	16.417M
5500MHz	Pass	Inf	19M	16.417M	19.075M	16.392M
5580MHz	Pass	Inf	19.25M	16.392M	19.1M	16.392M
5700MHz	Pass	Inf	19.325M	16.392M	19.8M	16.392M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.49M	13.178M	14.985M	13.178M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.478M	3.14M	3.478M
5745MHz	Pass	500k	16.3M	16.417M	16.05M	16.417M
5785MHz	Pass	500k	16.3M	16.417M	16.25M	16.417M
5825MHz	Pass	500k	16.3M	16.442M	16.3M	16.417M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.775M	17.616M	20.85M	17.616M
5200MHz	Pass	Inf	20.8M	17.641M	20.725M	17.616M
5240MHz	Pass	Inf	20.675M	17.591M	20M	17.616M
5260MHz	Pass	Inf	20.425M	17.591M	20.425M	17.616M
5300MHz	Pass	Inf	20.475M	17.641M	20.5M	17.616M
5320MHz	Pass	Inf	20.55M	17.616M	20M	17.641M
5500MHz	Pass	Inf	20M	17.591M	19.975M	17.591M
5580MHz	Pass	Inf	19.975M	17.566M	20.4M	17.591M
5700MHz	Pass	Inf	20.375M	17.616M	20.35M	17.591M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.18M	13.793M	15.06M	13.763M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	3.918M	3.38M	3.998M
5745MHz	Pass	500k	17.175M	17.616M	17.275M	17.641M
5785MHz	Pass	500k	16.55M	17.641M	17.15M	17.666M
5825MHz	Pass	500k	17.3M	17.616M	17.5M	17.641M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.85M	35.932M	40.15M	35.982M
5230MHz	Pass	Inf	39.5M	35.882M	40.05M	35.982M
5270MHz	Pass	Inf	39.9M	35.882M	39.55M	35.932M
5310MHz	Pass	Inf	40M	35.982M	39.95M	35.982M
5510MHz	Pass	Inf	39.55M	35.982M	39.9M	36.032M
5550MHz	Pass	Inf	39.6M	35.982M	40.05M	36.032M
5670MHz	Pass	Inf	40M	35.982M	39.8M	35.982M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.825M	32.814M	35.245M	32.849M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	3.998M	3.24M	3.818M
5755MHz	Pass	500k	35.3M	35.982M	35.1M	36.032M
5795MHz	Pass	500k	30M	35.982M	33.75M	35.932M

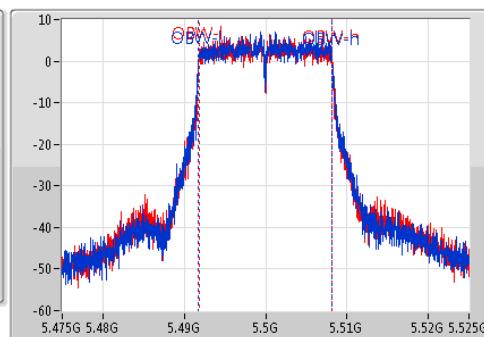
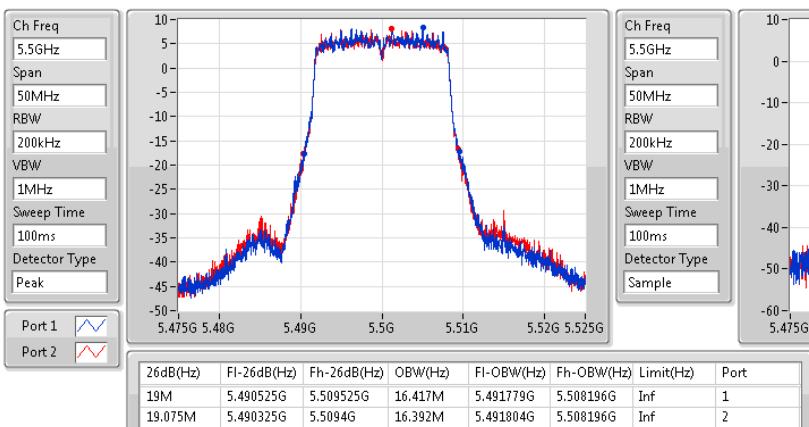
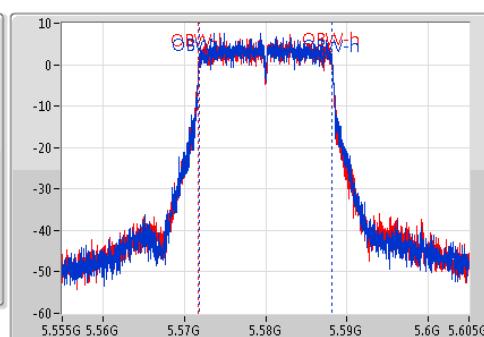
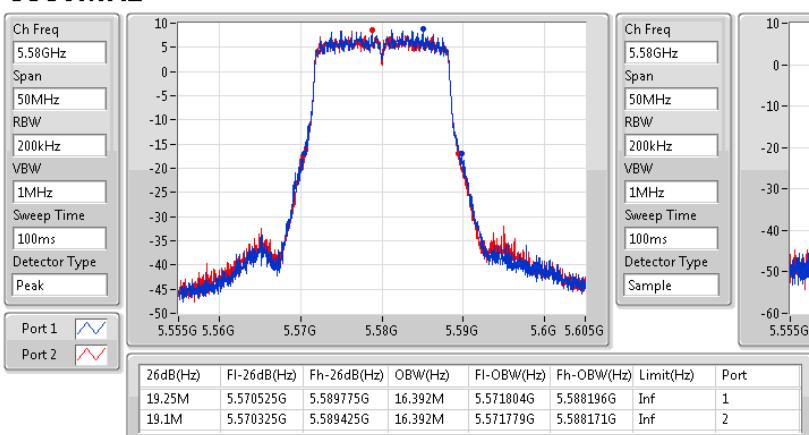
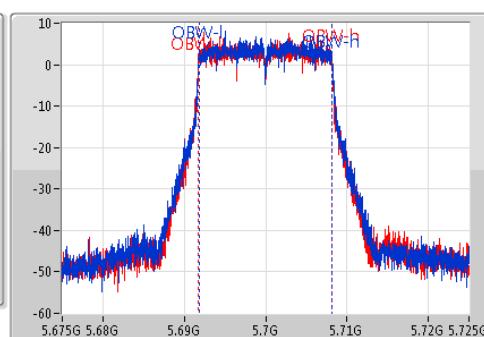
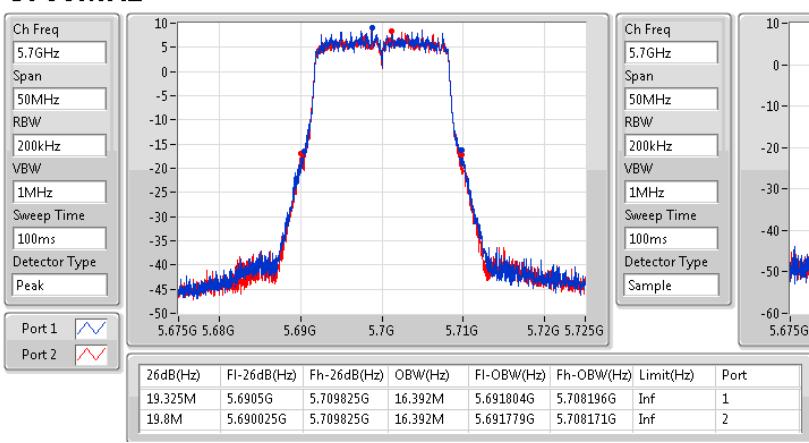
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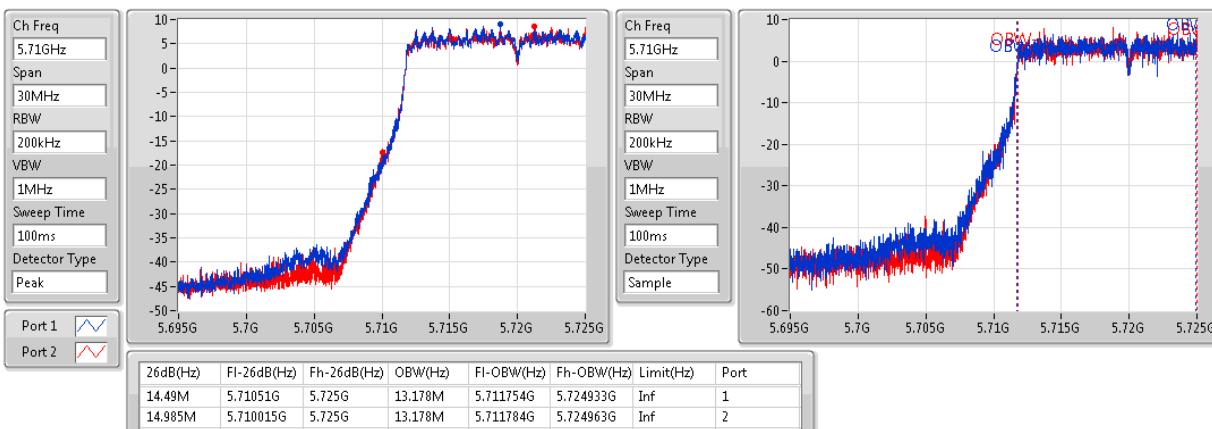
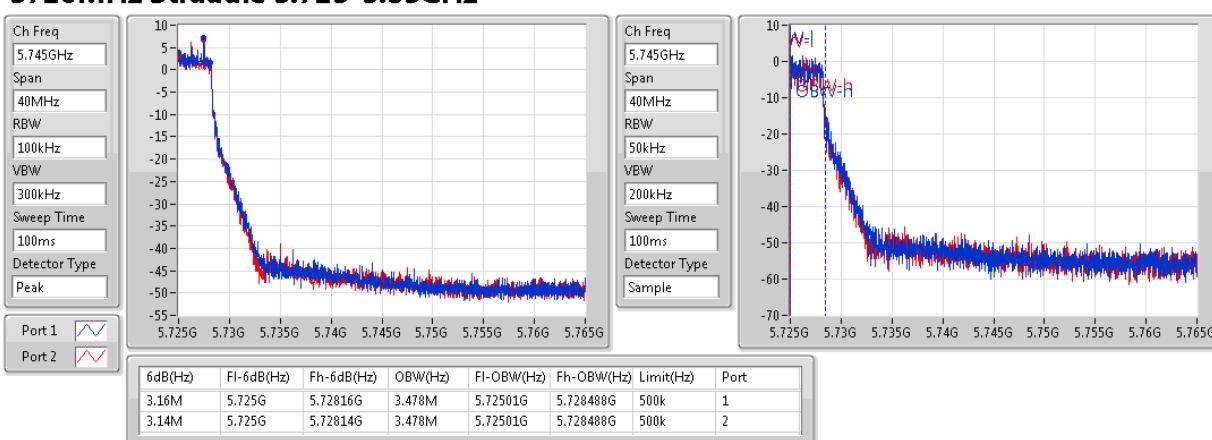
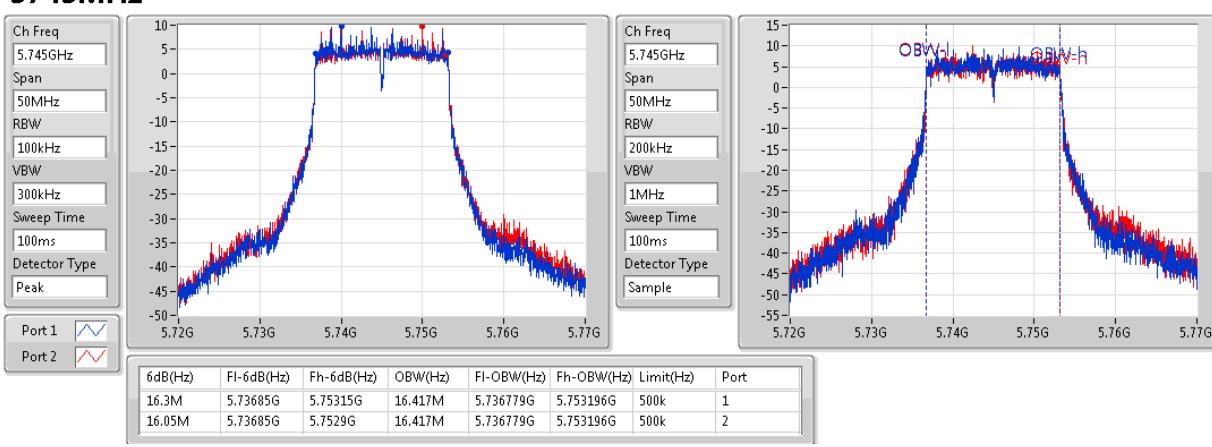
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	84.1M	75.562M	86.8M	75.862M
5290MHz	Pass	Inf	84.6M	75.662M	87.8M	75.962M
5530MHz	Pass	Inf	85.2M	75.762M	85.9M	75.662M
5610MHz	Pass	Inf	85M	75.862M	84.7M	75.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.1M	72.564M	77.625M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	6.177M	3.14M	7.096M
5775MHz	Pass	500k	75M	75.662M	75.1M	75.762M

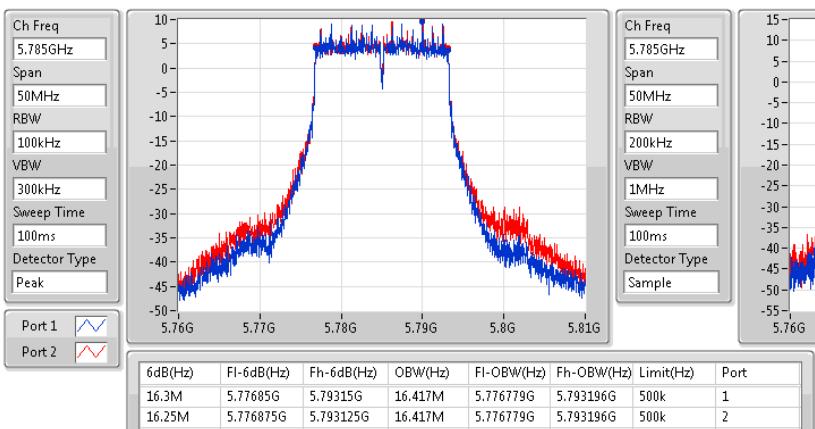
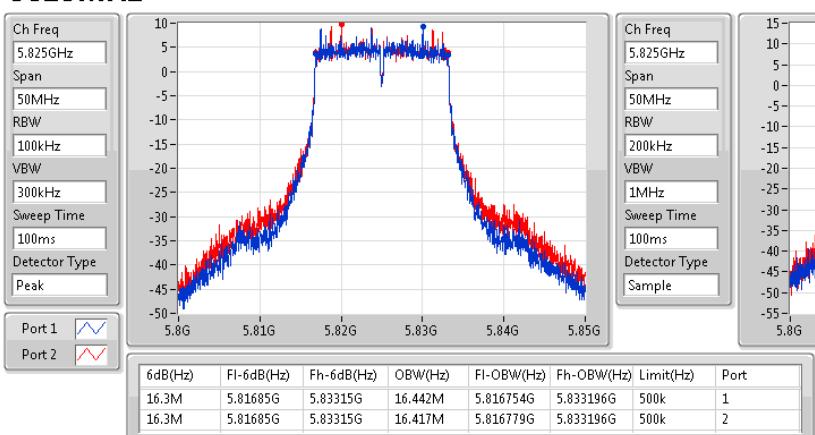
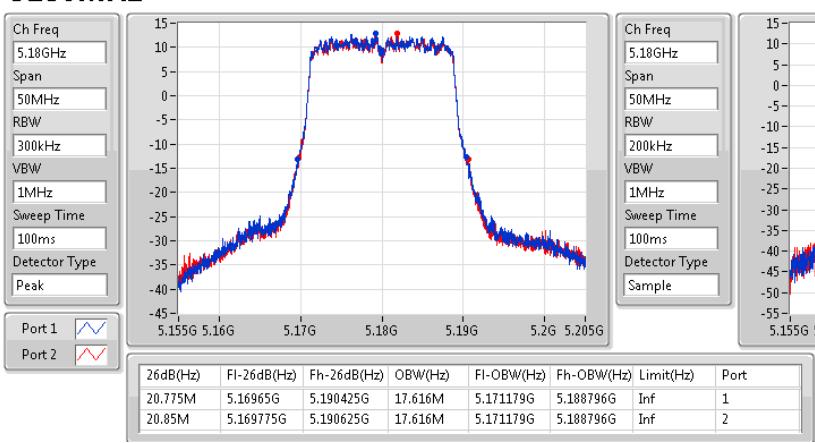
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band**Port X-OBW** = Port X 99% occupied bandwidth;

**802.11a_(6Mbps)_2TX****EBW****5180MHz****802.11a_(6Mbps)_2TX****EBW****5200MHz****802.11a_(6Mbps)_2TX****EBW****5240MHz**

**802.11a_(6Mbps)_2TX****EBW****5260MHz****802.11a_(6Mbps)_2TX****EBW****5300MHz****802.11a_(6Mbps)_2TX****EBW****5320MHz**

**802.11a_(6Mbps)_2TX****EBW****5500MHz****802.11a_(6Mbps)_2TX****EBW****5580MHz****802.11a_(6Mbps)_2TX****EBW****5700MHz**

**802.11a_(6Mbps)_2TX****EBW****5720MHz Straddle 5.47-5.725GHz****802.11a_(6Mbps)_2TX****EBW****5720MHz Straddle 5.725-5.85GHz****802.11a_(6Mbps)_2TX****EBW****5745MHz**

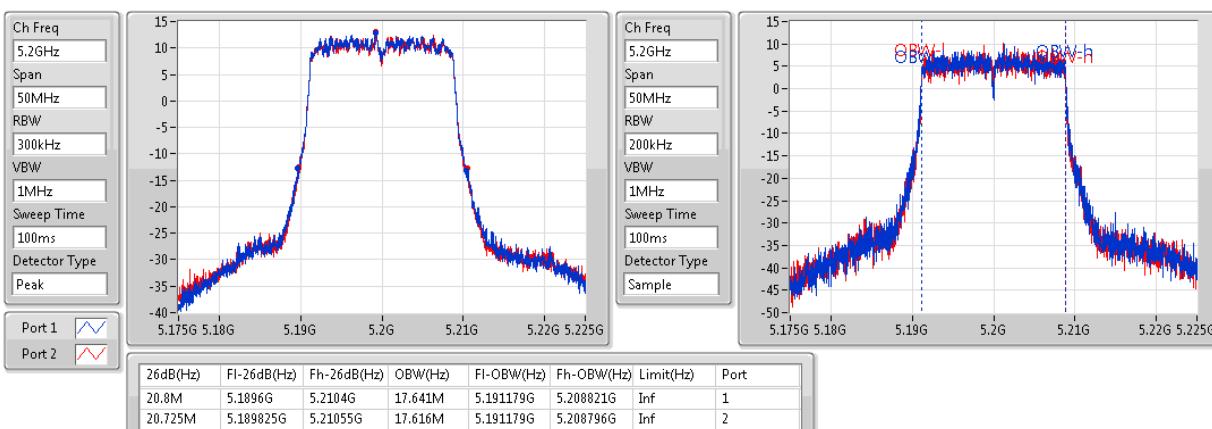
**802.11a_(6Mbps)_2TX****EBW****5785MHz****802.11a_(6Mbps)_2TX****EBW****5825MHz****802.11ac VHT20_Nss1,(MCS0)_2TX****EBW****5180MHz**



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

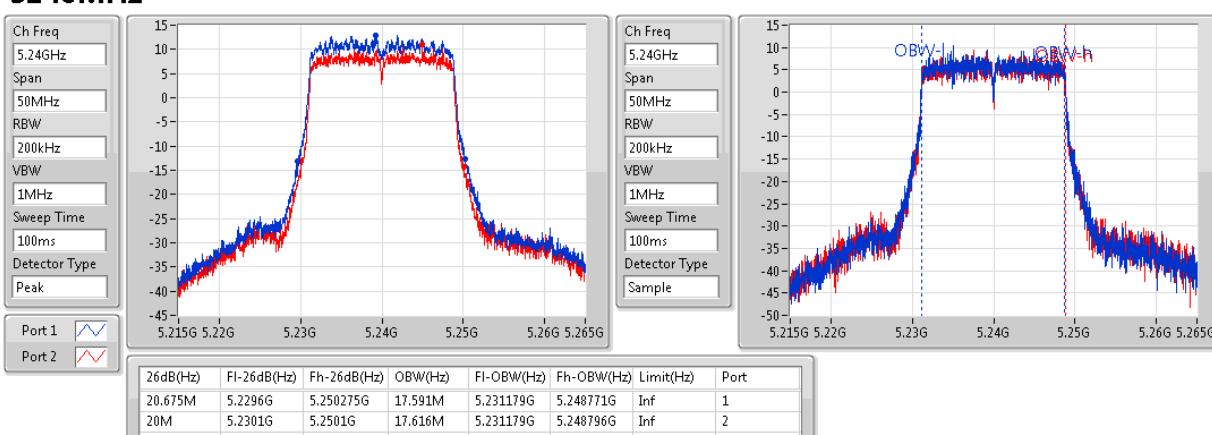
5200MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

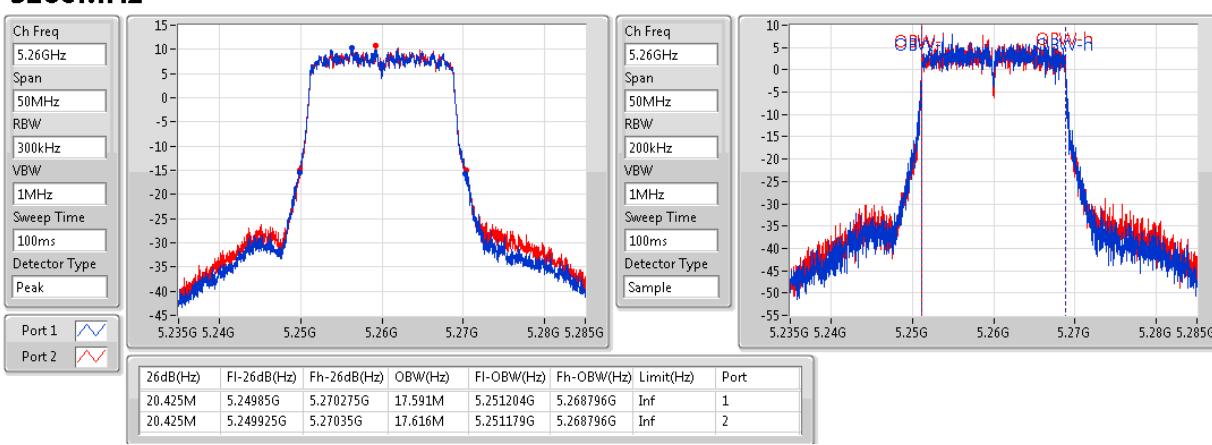
5240MHz

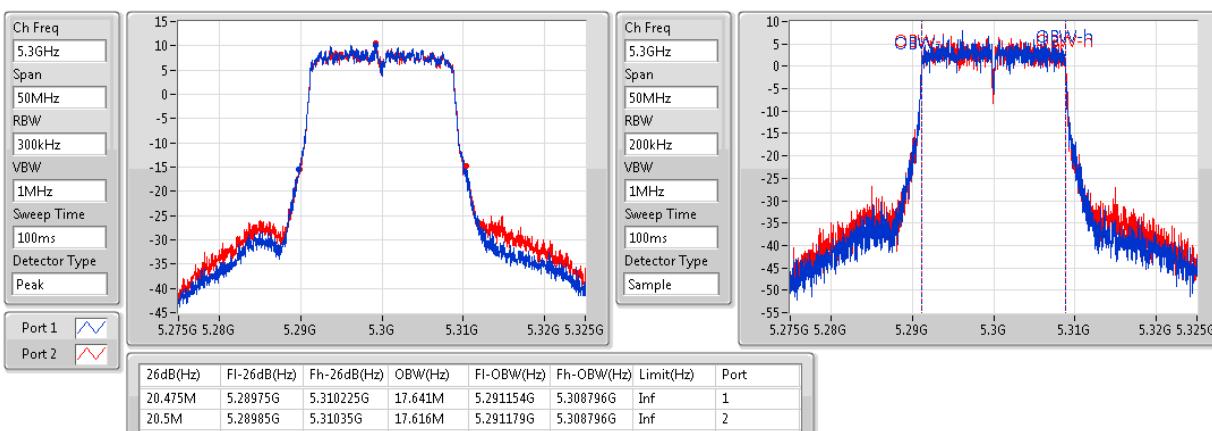
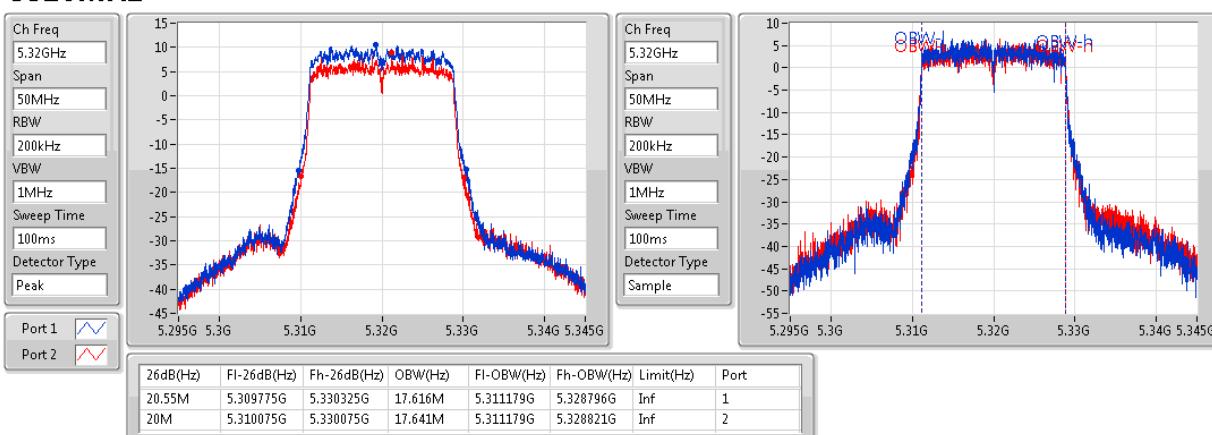
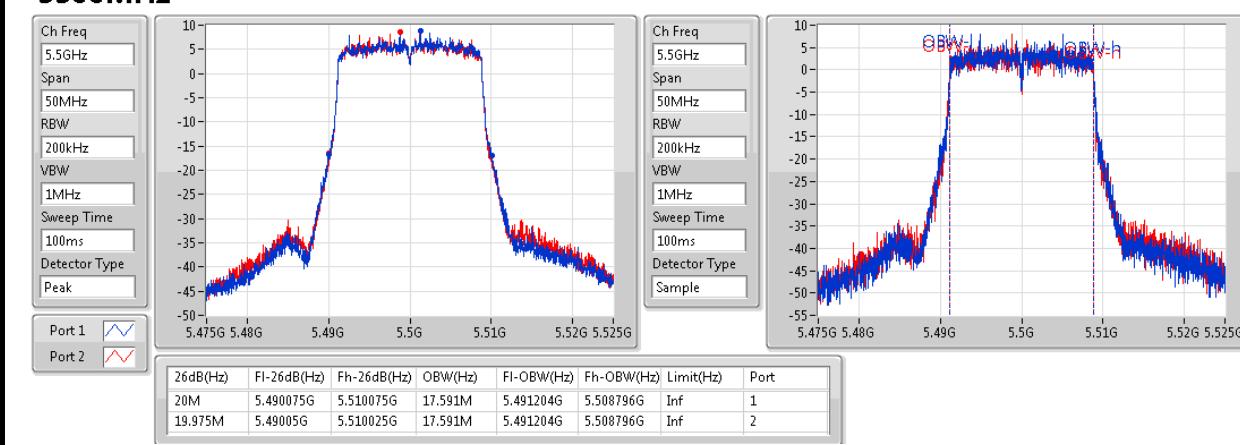


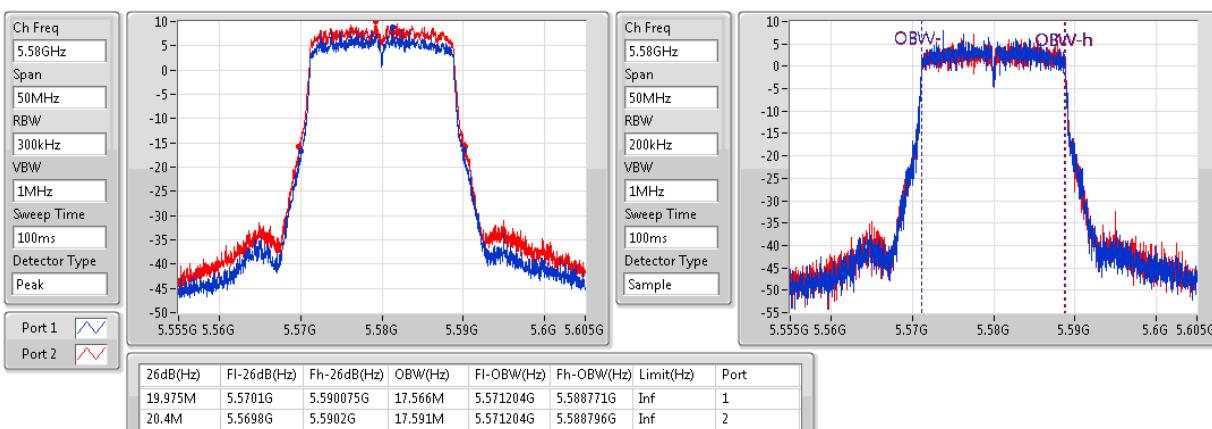
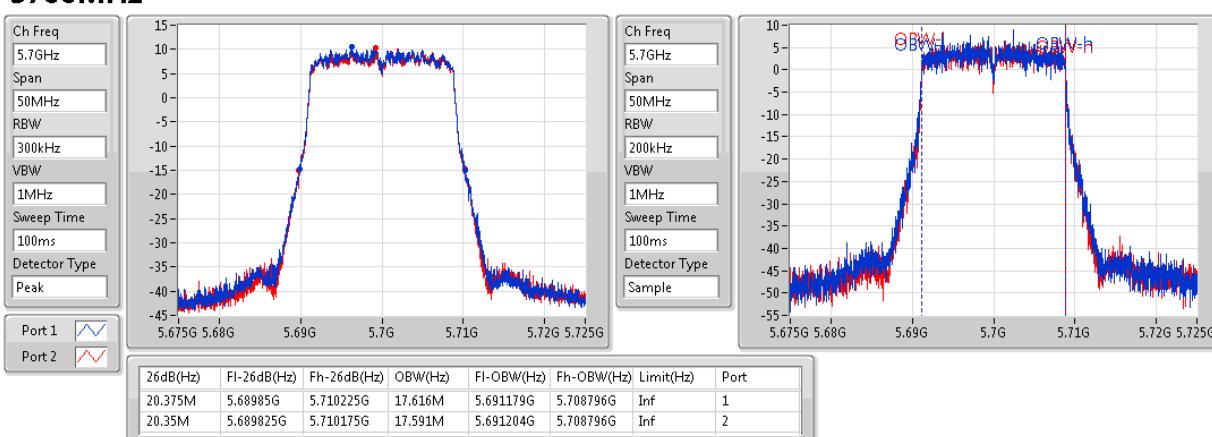
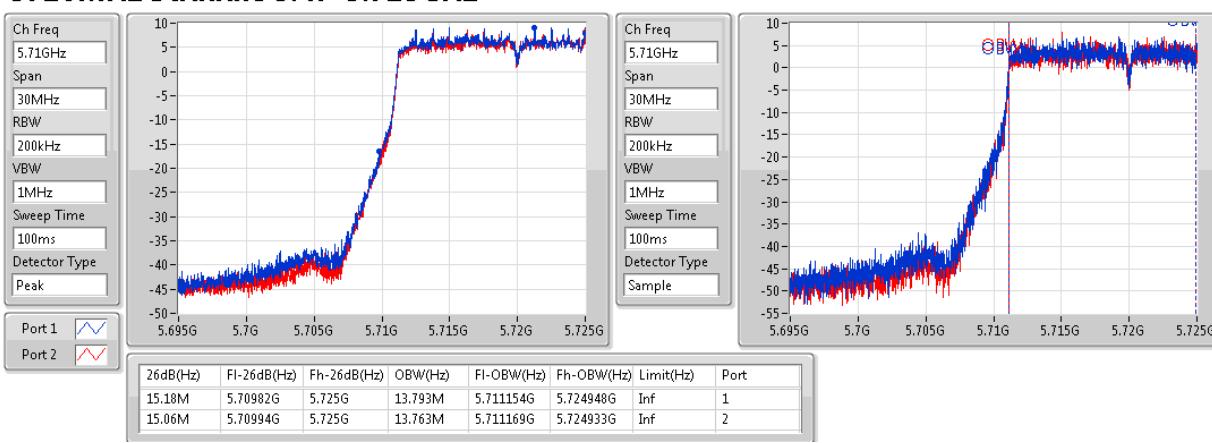
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5260MHz



**802.11ac VHT20_Nss1,(MCS0)_2TX****EBW****5300MHz****802.11ac VHT20_Nss1,(MCS0)_2TX****EBW****5320MHz****802.11ac VHT20_Nss1,(MCS0)_2TX****EBW****5500MHz**

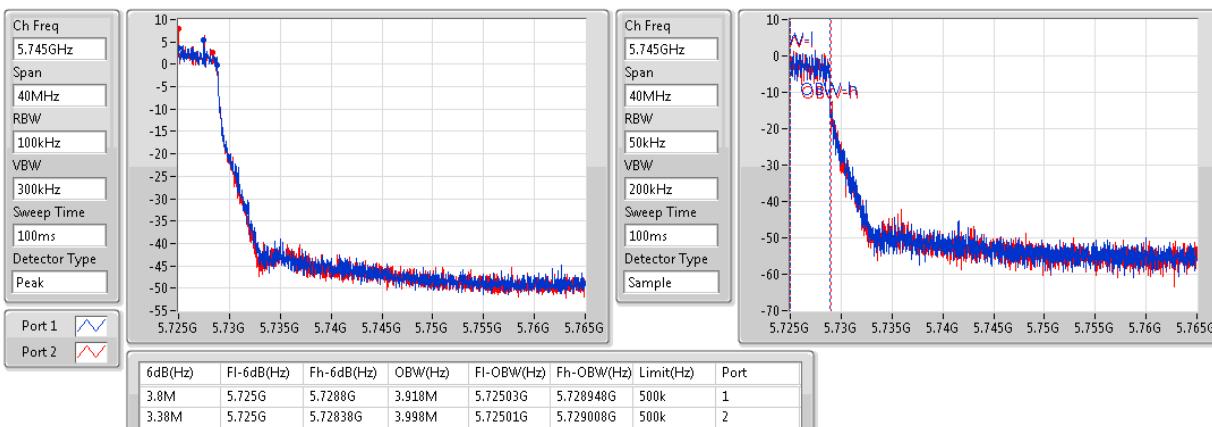
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802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

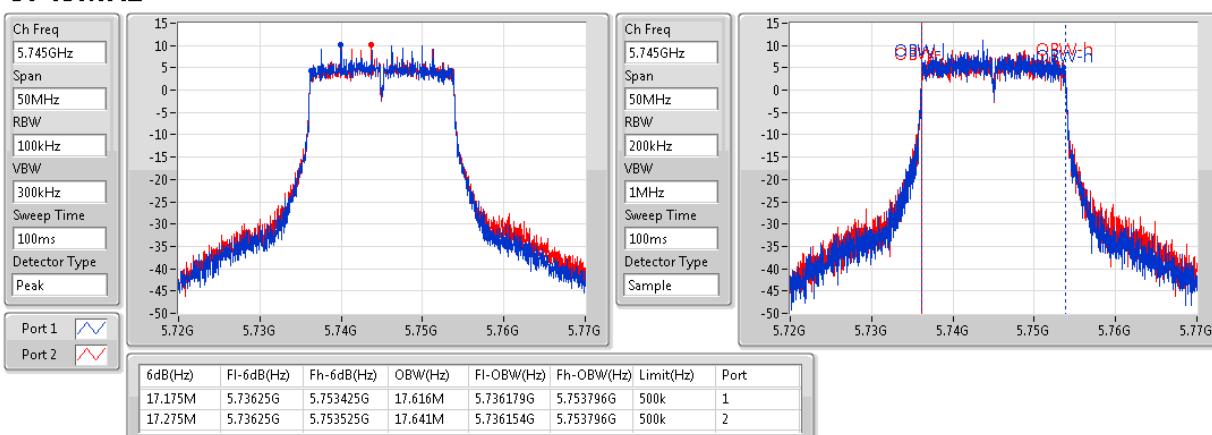
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

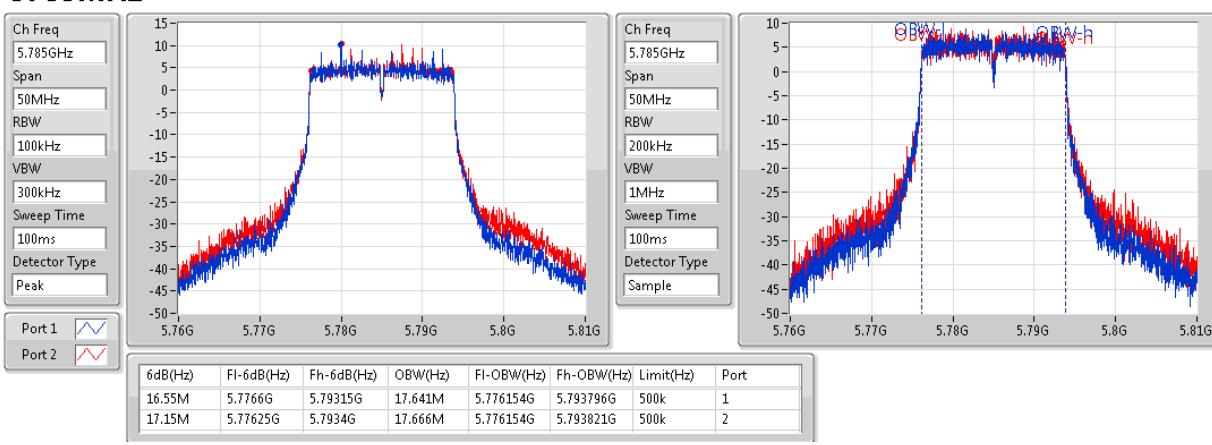
5745MHz

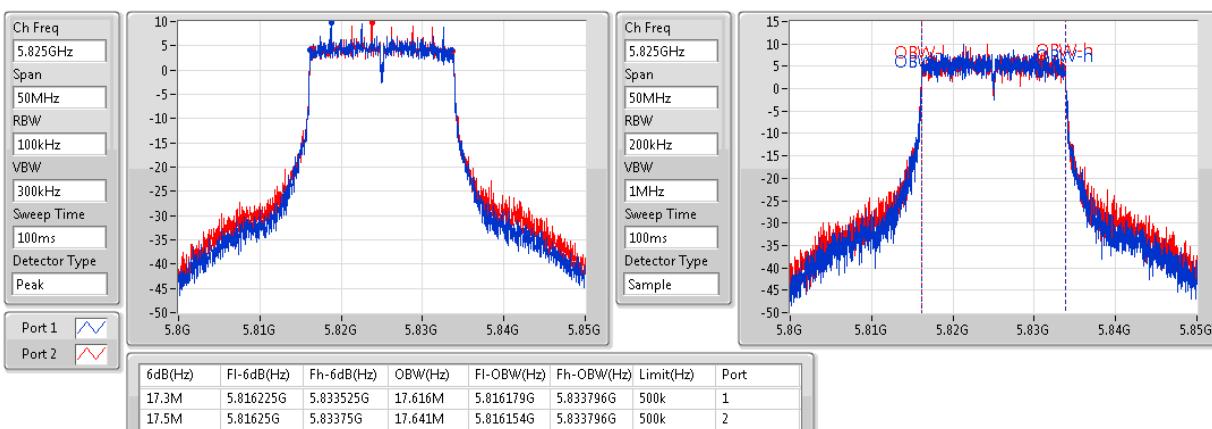
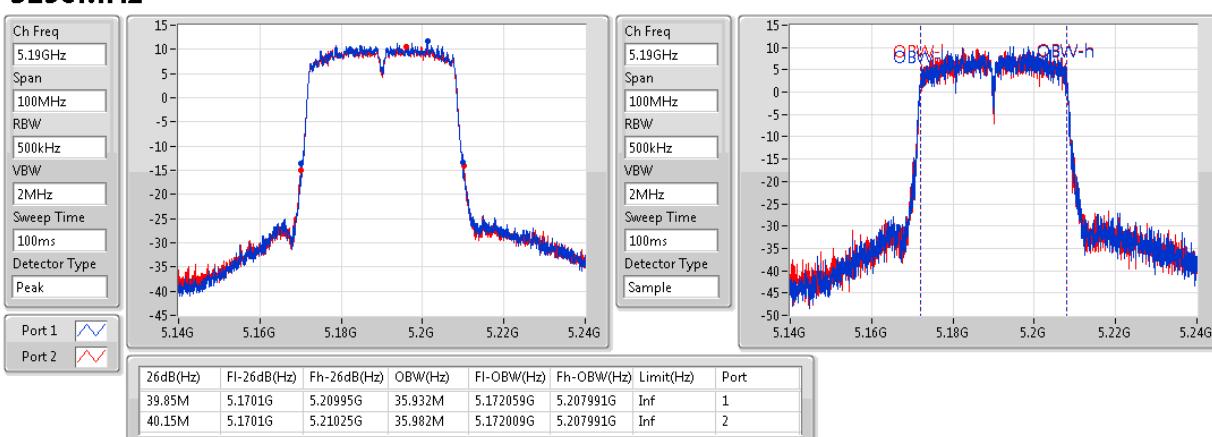
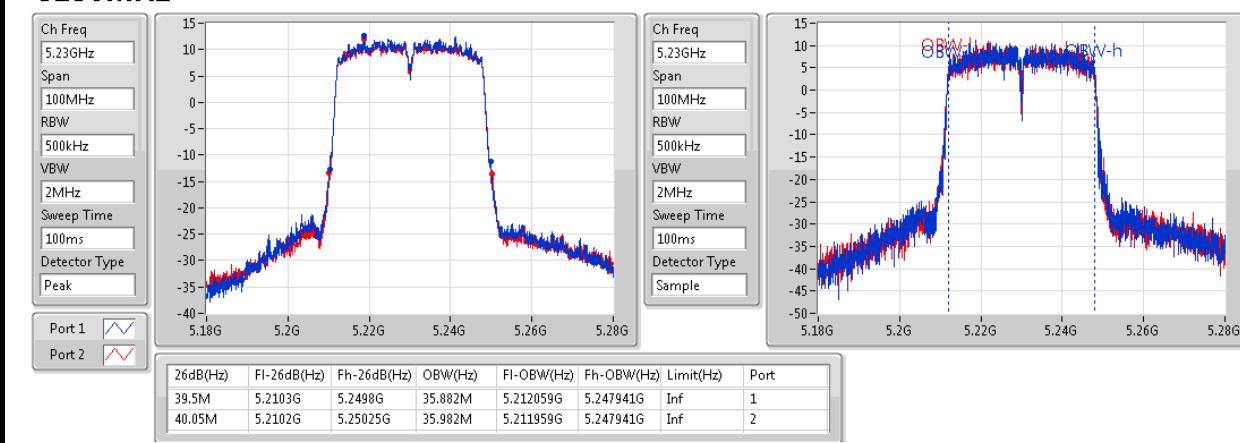


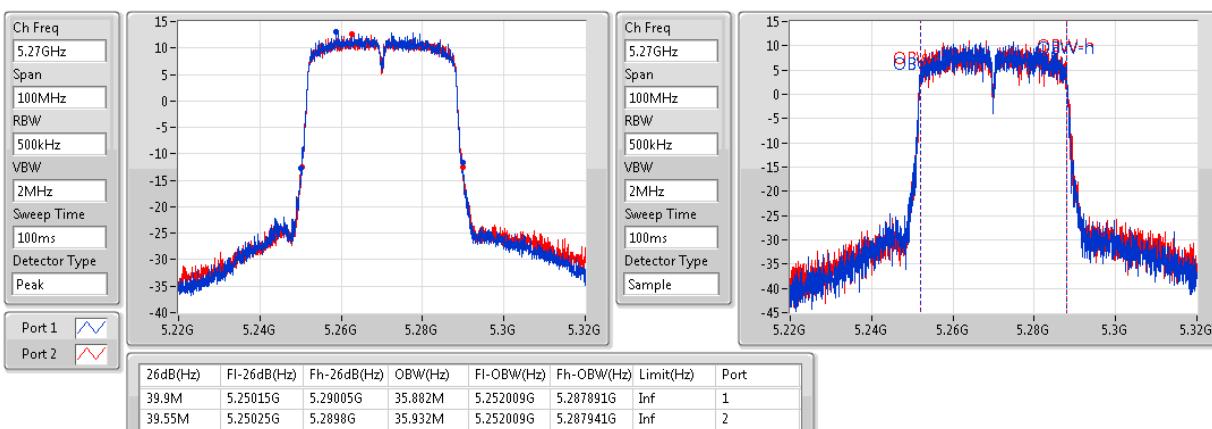
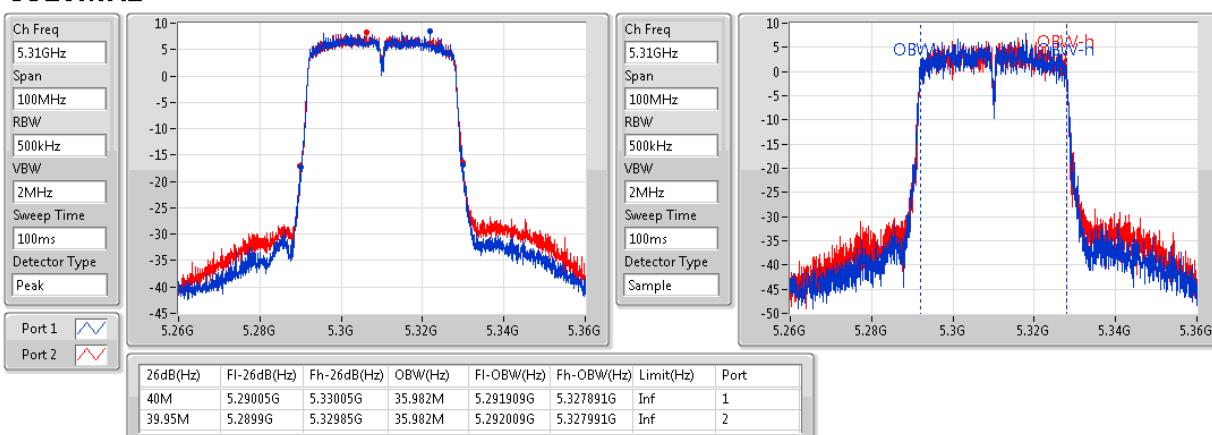
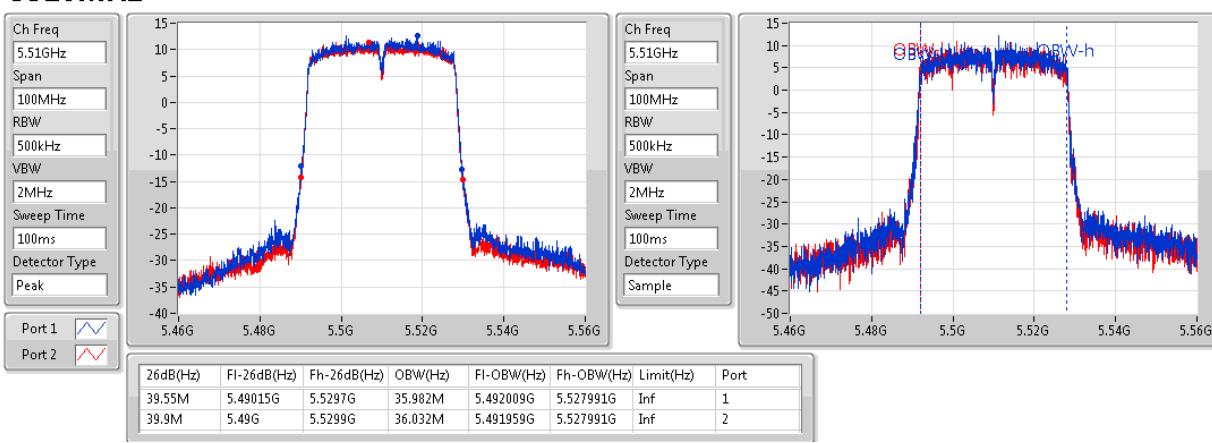
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5785MHz



**802.11ac VHT20_Nss1,(MCS0)_2TX****EBW****5825MHz****802.11ac VHT40_Nss1,(MCS0)_2TX****EBW****5190MHz****802.11ac VHT40_Nss1,(MCS0)_2TX****EBW****5230MHz**

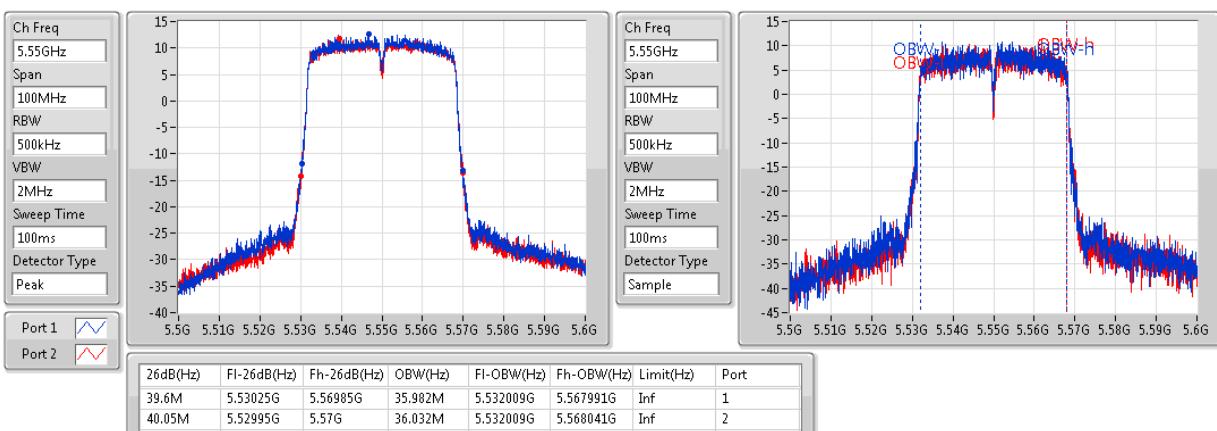
**802.11ac VHT40_Nss1,(MCS0)_2TX****EBW****5270MHz****802.11ac VHT40_Nss1,(MCS0)_2TX****EBW****5310MHz****802.11ac VHT40_Nss1,(MCS0)_2TX****EBW****5510MHz**



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

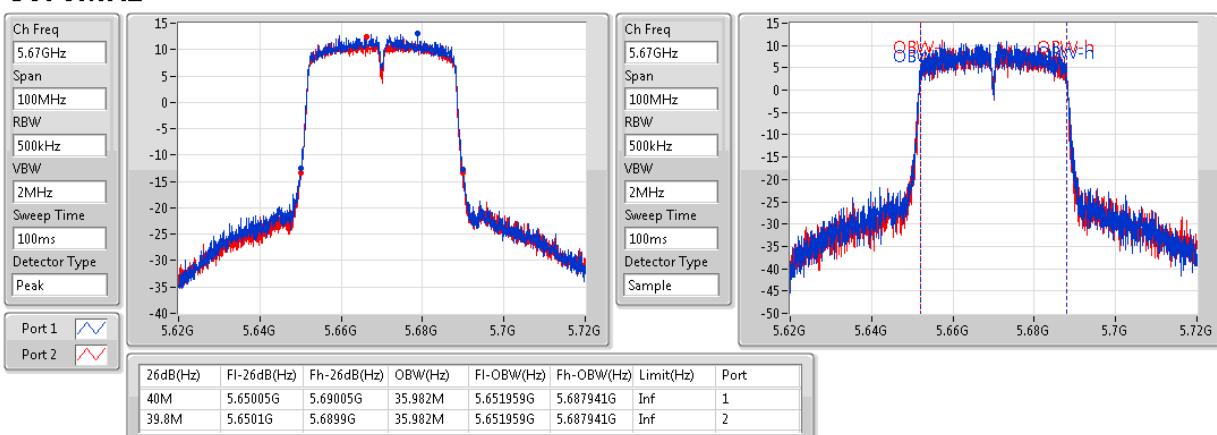
5550MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

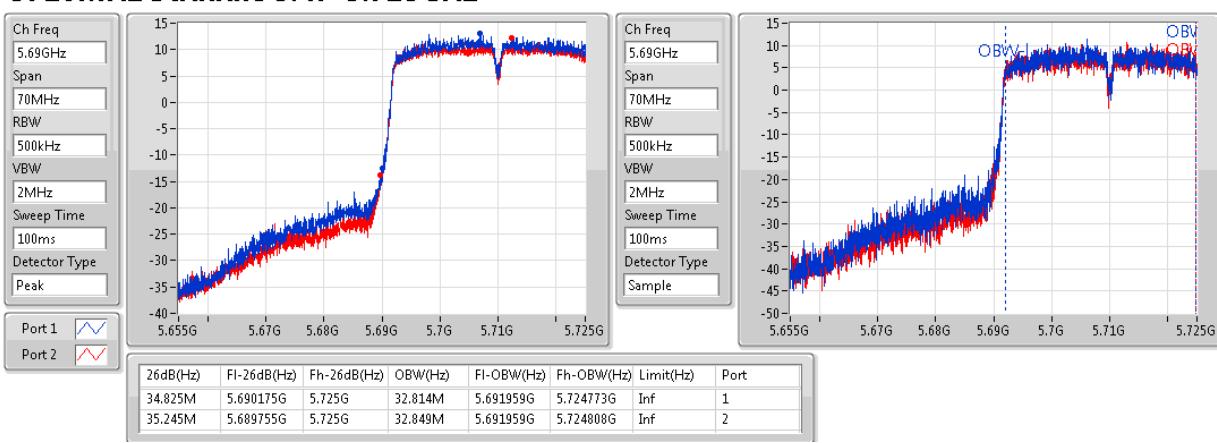
5670MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

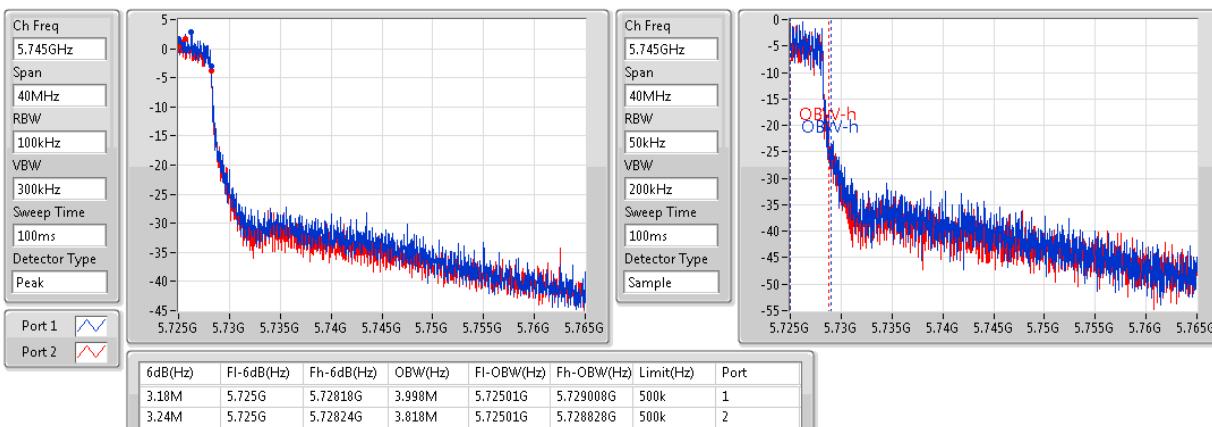




802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

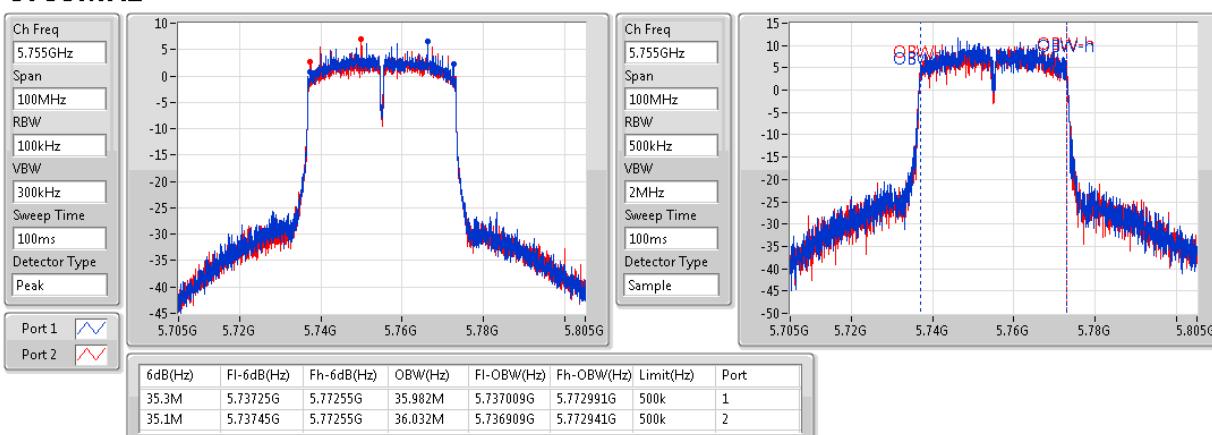
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

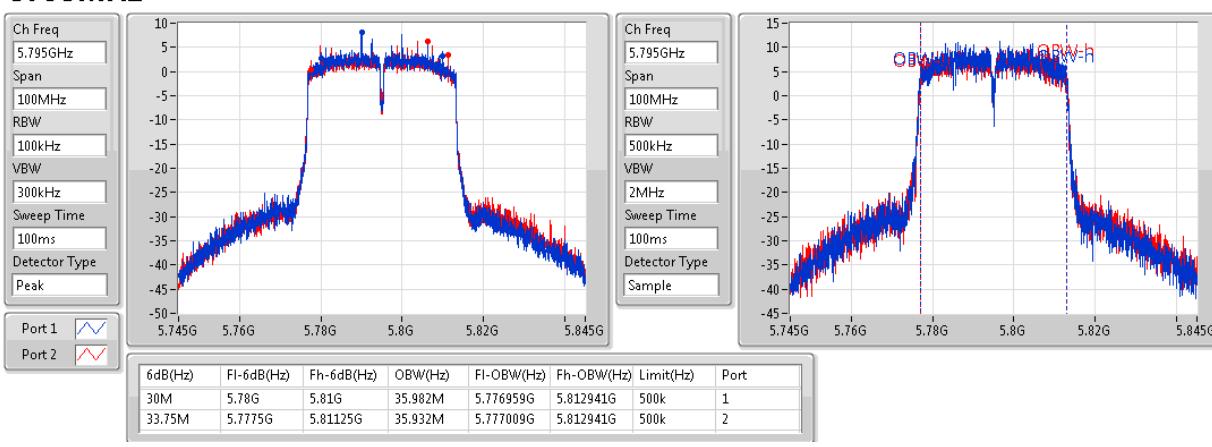
5755MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5795MHz

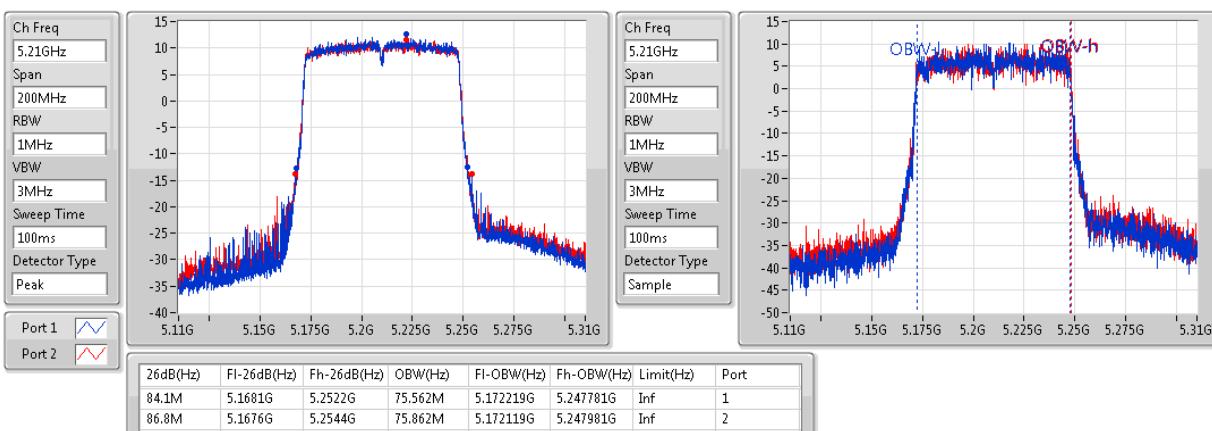




802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

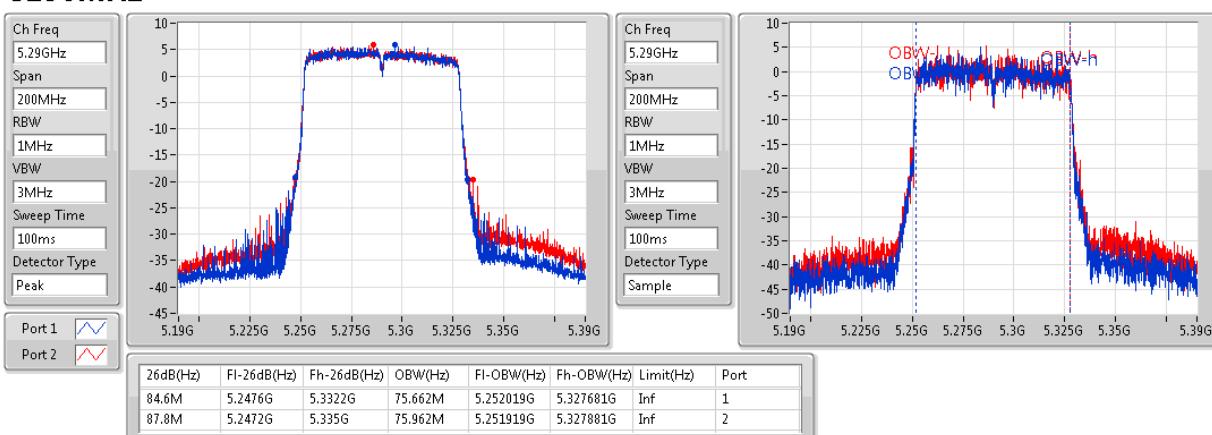
5210MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

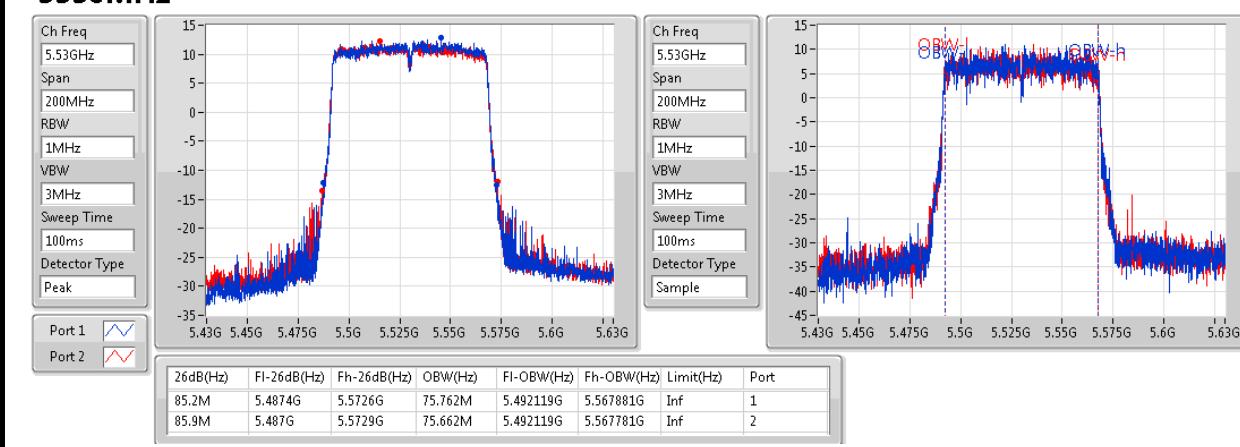
5290MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

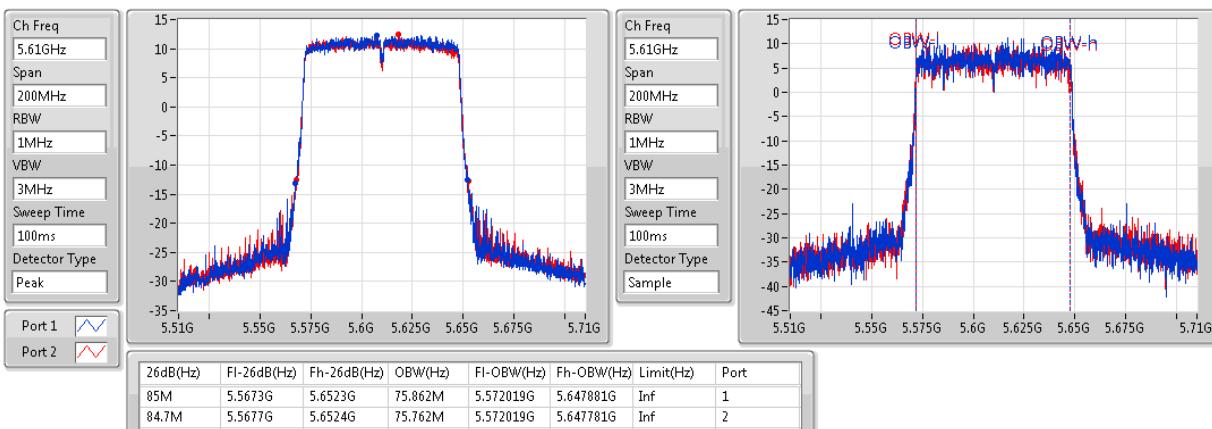




802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

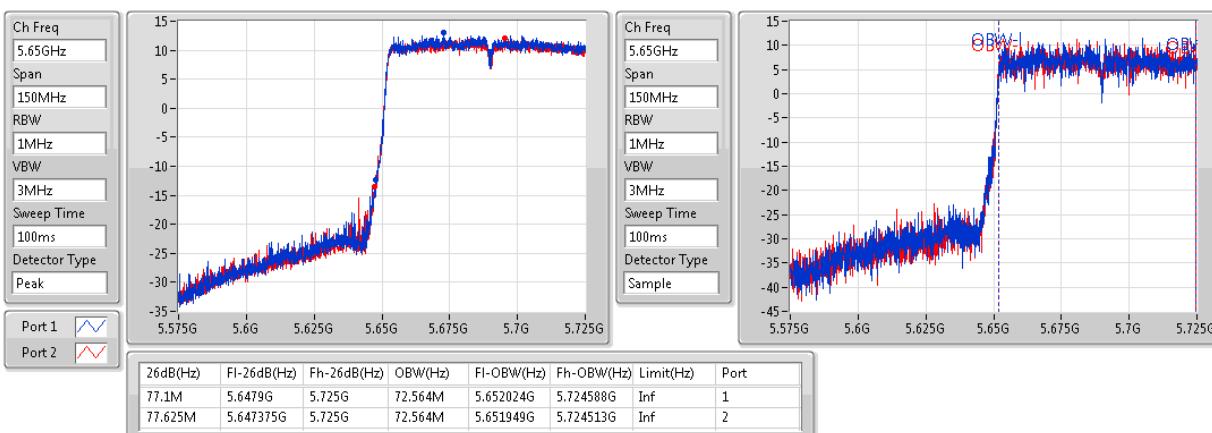
5610MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

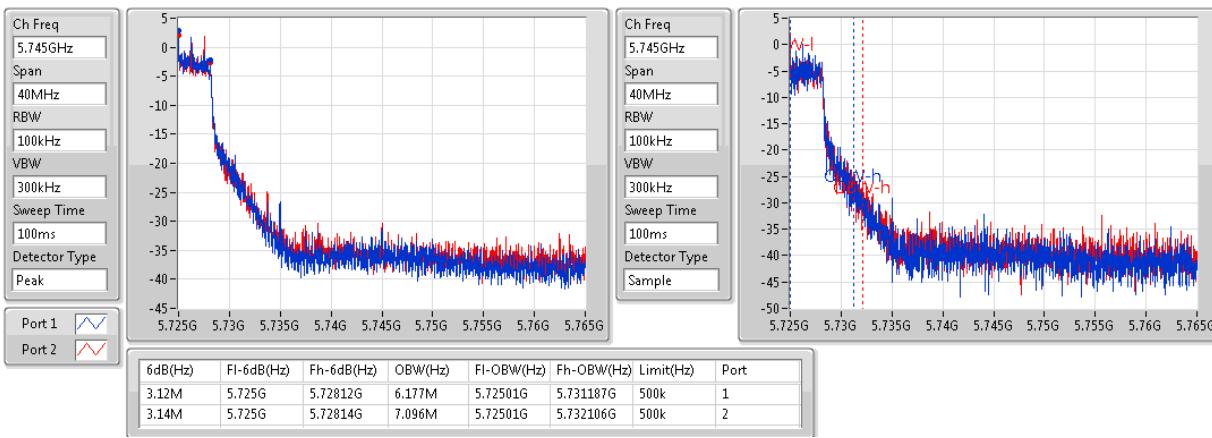
5690MHz Straddle 5.47-5.725GHz

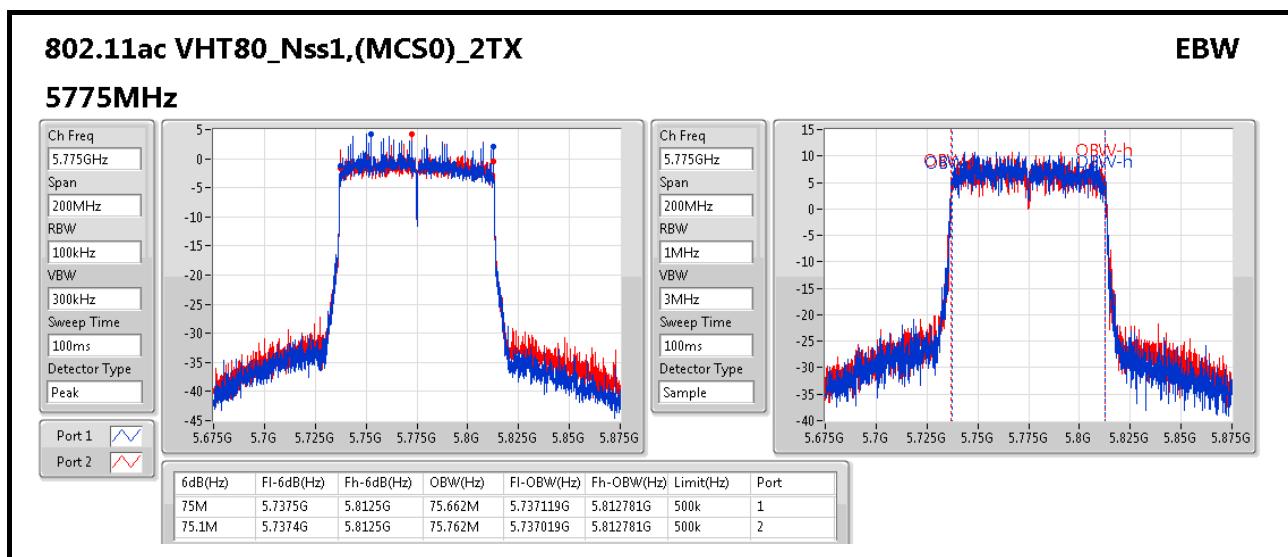


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz







<For Beamforming Mode>

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	28.775M	17.691M	17M7D1D	20.1M	17.616M
5.25-5.35GHz	20.575M	17.641M	17M6D1D	19.975M	17.566M
5.47-5.725GHz	20.5M	17.641M	17M6D1D	15.015M	13.778M
5.725-5.85GHz	17.525M	18.066M	18M1D1D	3.76M	3.918M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	70.1M	36.182M	36M2D1D	38.75M	35.982M
5.25-5.35GHz	39.3M	36.032M	36M0D1D	38.75M	35.932M
5.47-5.725GHz	39.15M	36.082M	36M1D1D	34.37M	32.709M
5.725-5.85GHz	35.05M	37.831M	37M8D1D	3.02M	3.478M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	83.6M	75.662M	75M7D1D	82.7M	75.562M
5.25-5.35GHz	84.3M	75.862M	75M9D1D	83.8M	75.662M
5.47-5.725GHz	100.425M	75.762M	75M8D1D	82.8M	72.564M
5.725-5.85GHz	71.7M	76.262M	76M3D1D	3.12M	6.357M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.9M	17.616M	22.1M	17.641M
5200MHz	Pass	Inf	20.1M	17.616M	23.2M	17.641M
5240MHz	Pass	Inf	28.775M	17.691M	24.675M	17.666M
5260MHz	Pass	Inf	20.375M	17.641M	19.975M	17.616M
5300MHz	Pass	Inf	20.3M	17.566M	20.35M	17.616M
5320MHz	Pass	Inf	20.3M	17.641M	20.575M	17.616M
5500MHz	Pass	Inf	20.125M	17.641M	20M	17.591M
5580MHz	Pass	Inf	20.5M	17.591M	20.4M	17.616M
5700MHz	Pass	Inf	19.625M	17.616M	20.375M	17.616M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.015M	13.778M	15.09M	13.808M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	3.918M	3.76M	3.938M
5745MHz	Pass	500k	17.375M	17.791M	17.375M	17.916M
5785MHz	Pass	500k	17.525M	17.791M	17.25M	18.066M
5825MHz	Pass	500k	17.5M	17.866M	17.525M	18.066M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	38.75M	36.032M	38.9M	35.982M
5230MHz	Pass	Inf	63.7M	36.132M	70.1M	36.182M
5270MHz	Pass	Inf	39.1M	35.932M	39.2M	36.032M
5310MHz	Pass	Inf	38.75M	36.032M	39.3M	35.982M
5510MHz	Pass	Inf	39.05M	36.032M	39M	36.082M
5550MHz	Pass	Inf	38.45M	35.982M	39.15M	35.982M
5670MHz	Pass	Inf	38.5M	35.832M	39M	35.982M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.37M	32.709M	34.615M	32.919M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	3.498M	3.02M	3.478M
5755MHz	Pass	500k	32.95M	36.682M	32.55M	36.932M
5795MHz	Pass	500k	33.8M	36.732M	35.05M	37.831M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.7M	75.562M	83.6M	75.662M
5290MHz	Pass	Inf	83.8M	75.862M	84.3M	75.662M
5530MHz	Pass	Inf	84.5M	75.662M	83.3M	75.762M
5610MHz	Pass	Inf	84.8M	75.662M	82.8M	75.662M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	100.425M	72.564M	91.575M	72.714M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	6.397M	3.2M	6.357M
5775MHz	Pass	500k	71.7M	76.062M	70.1M	76.262M

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

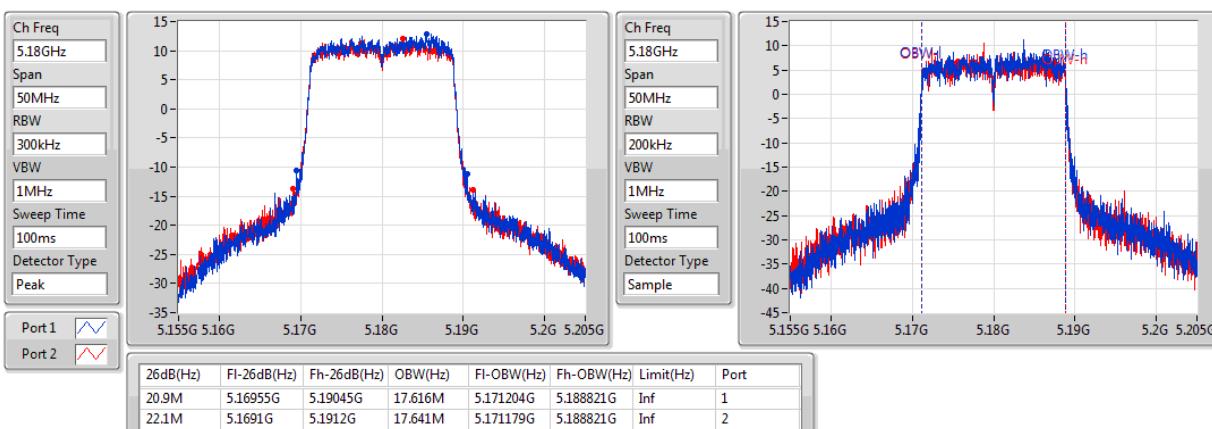
Port X-OBW = Port X 99% occupied bandwidth;



802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

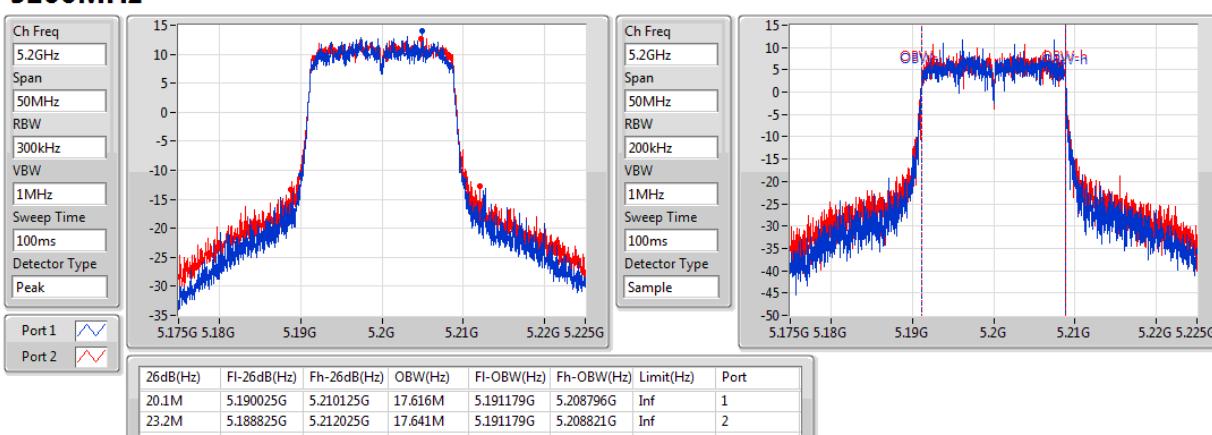
5180MHz



802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

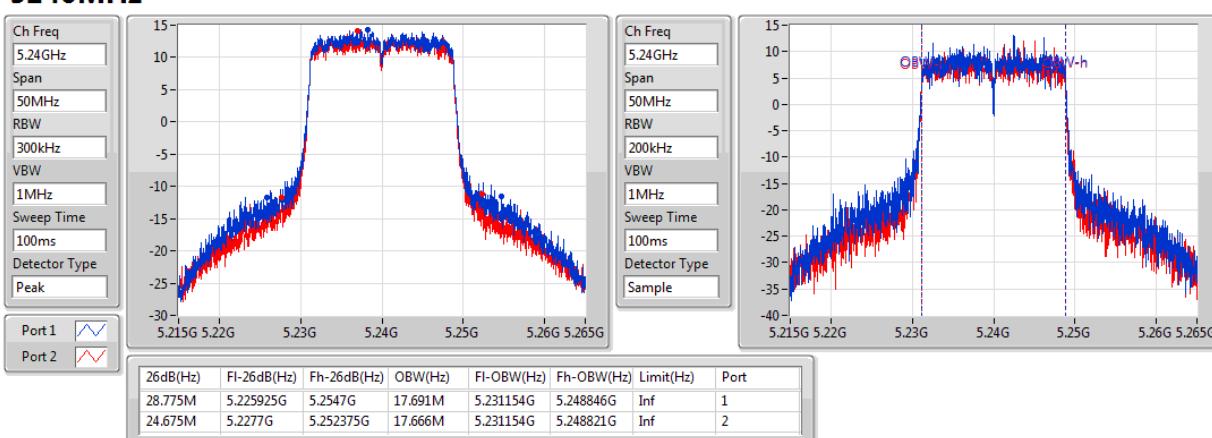
5200MHz



802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5240MHz



**802.11ac VHT20-BF_Nss1,(MCS0)_2TX****EBW****5260MHz****Ch Freq**

5.26GHz

Span

50MHz

RBW

200kHz

VBW

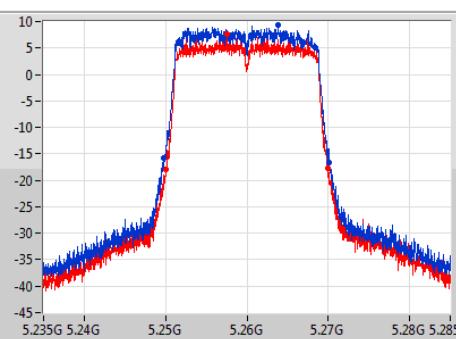
1MHz

Sweep Time

100ms

Detector Type

Peak

Port 1**Port 2****Ch Freq**

5.26GHz

Span

50MHz

RBW

200kHz

VBW

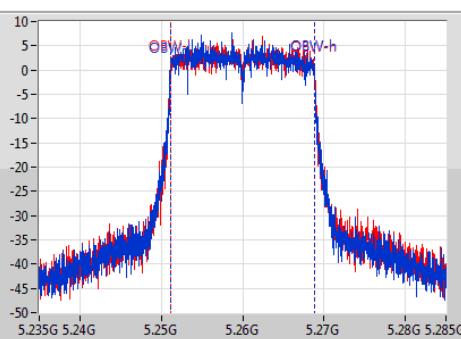
1MHz

Sweep Time

100ms

Detector Type

Sample

Port 1**Port 2****802.11ac VHT20-BF_Nss1,(MCS0)_2TX****EBW****5300MHz****Ch Freq**

5.3GHz

Span

50MHz

RBW

200kHz

VBW

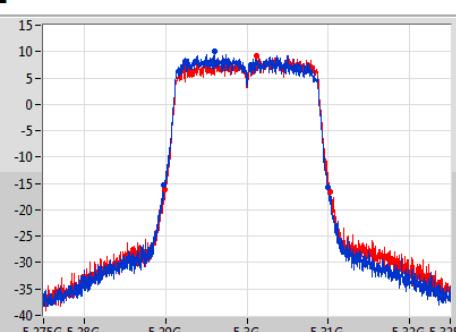
1MHz

Sweep Time

100ms

Detector Type

Peak

Port 1**Port 2****Ch Freq**

5.3GHz

Span

50MHz

RBW

200kHz

VBW

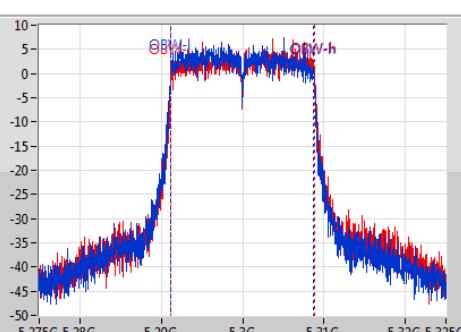
1MHz

Sweep Time

100ms

Detector Type

Sample

Port 1**Port 2****802.11ac VHT20-BF_Nss1,(MCS0)_2TX****EBW****5320MHz****Ch Freq**

5.32GHz

Span

50MHz

RBW

200kHz

VBW

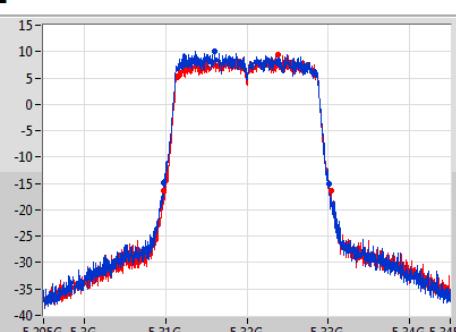
1MHz

Sweep Time

100ms

Detector Type

Peak

Port 1**Port 2****Ch Freq**

5.32GHz

Span

50MHz

RBW

200kHz

VBW

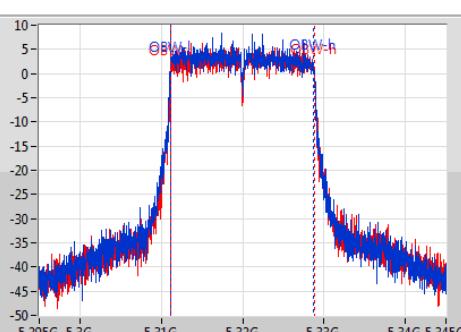
1MHz

Sweep Time

100ms

Detector Type

Sample

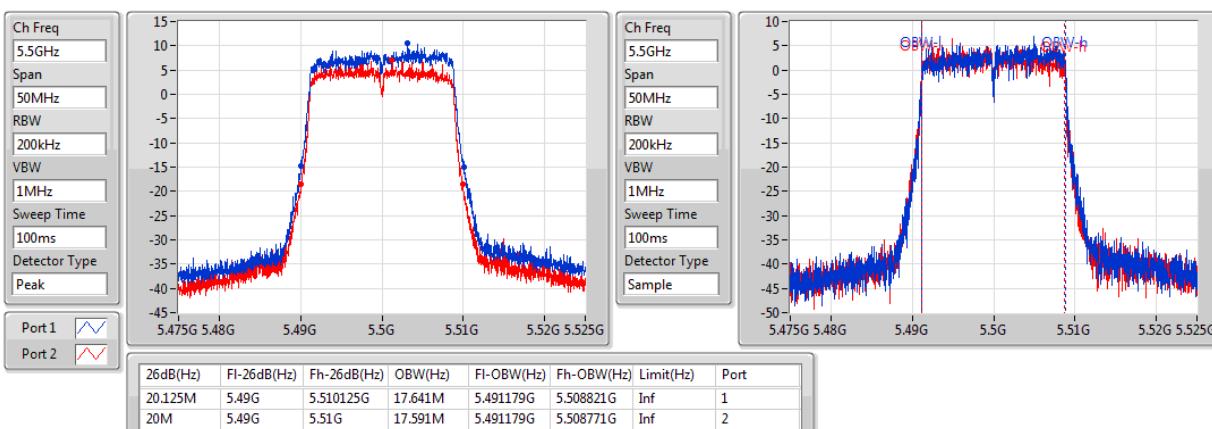
Port 1**Port 2**



802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

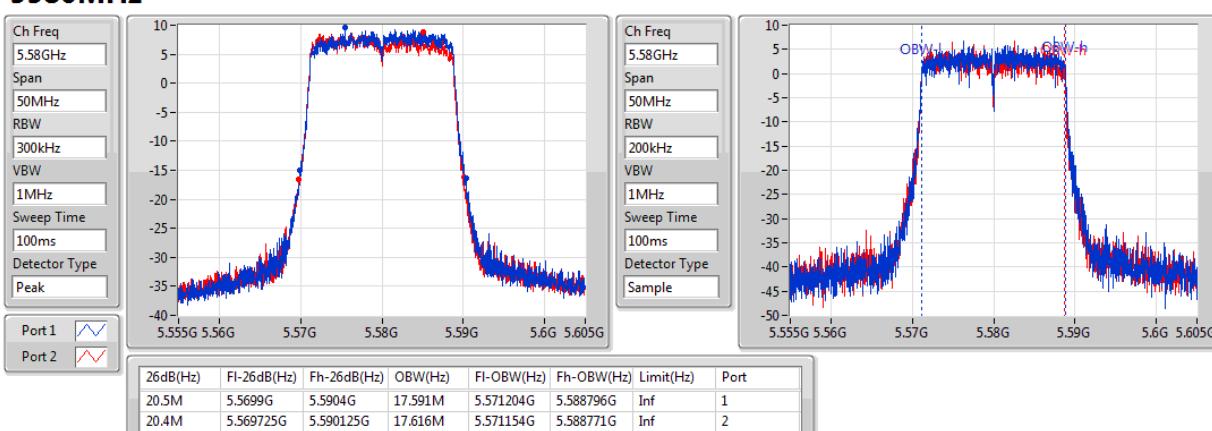
5500MHz



802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

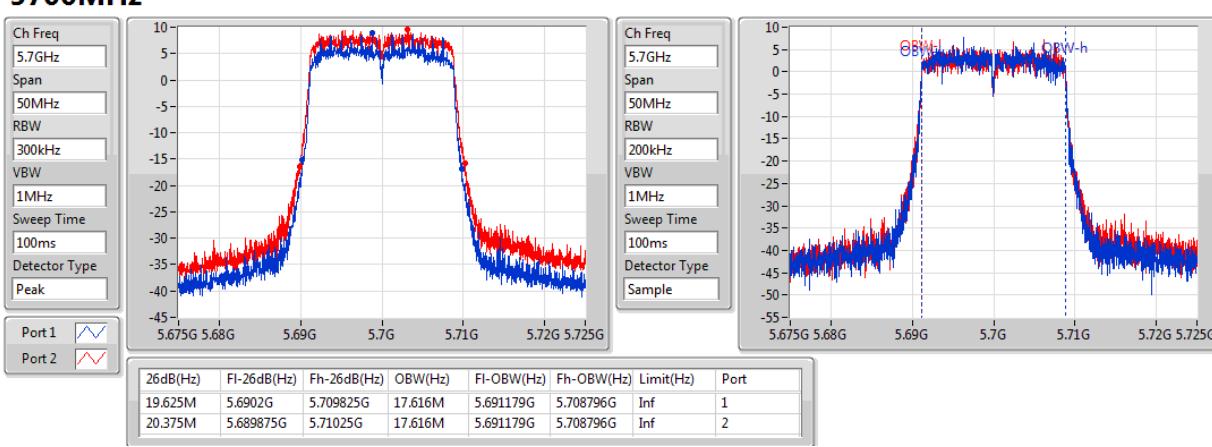
5580MHz

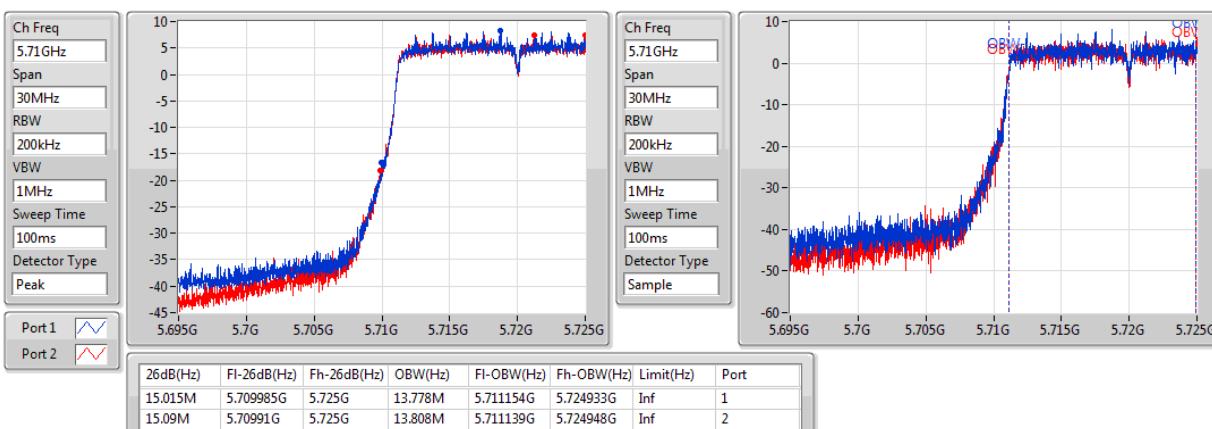
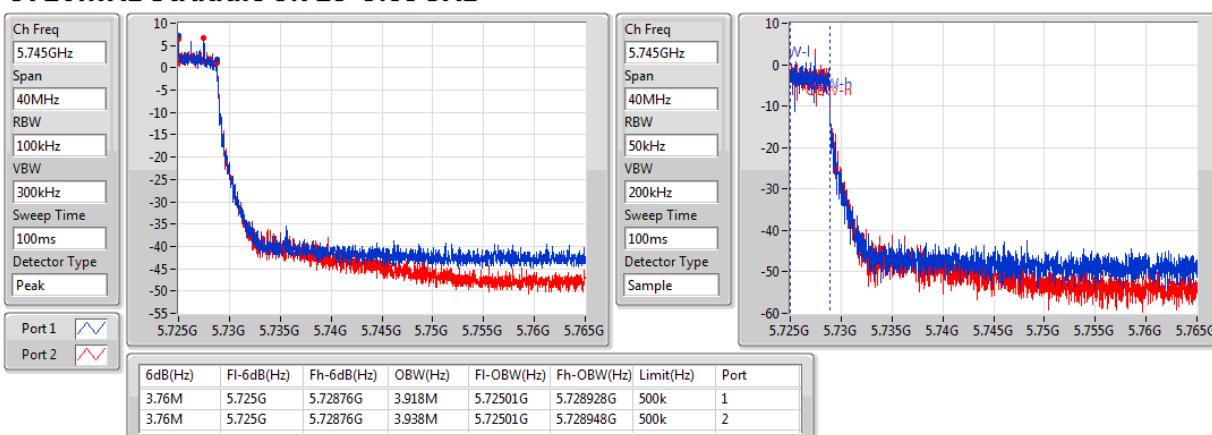
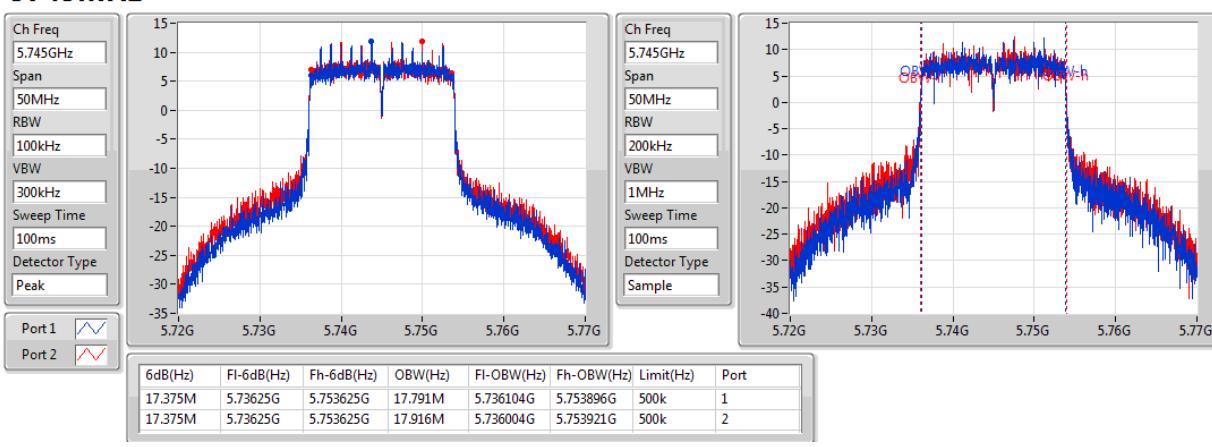


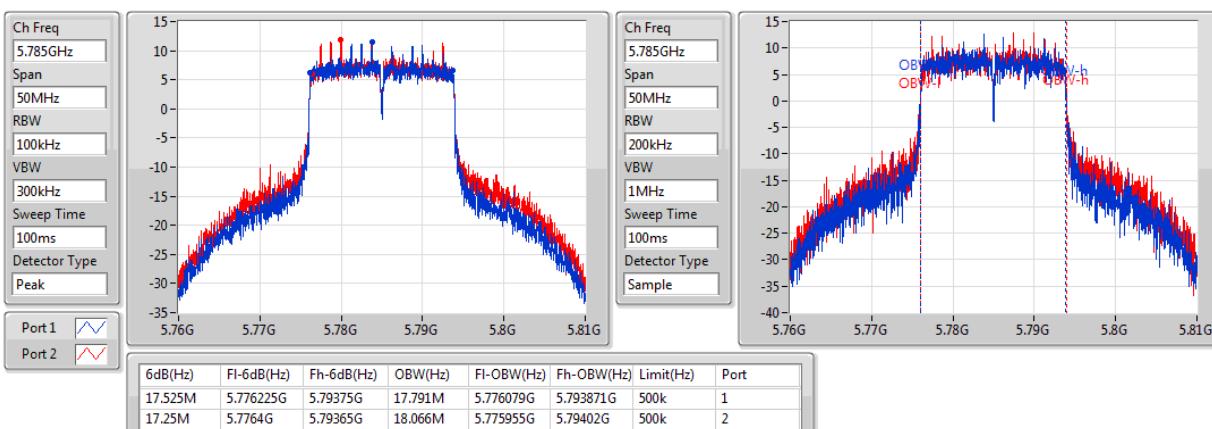
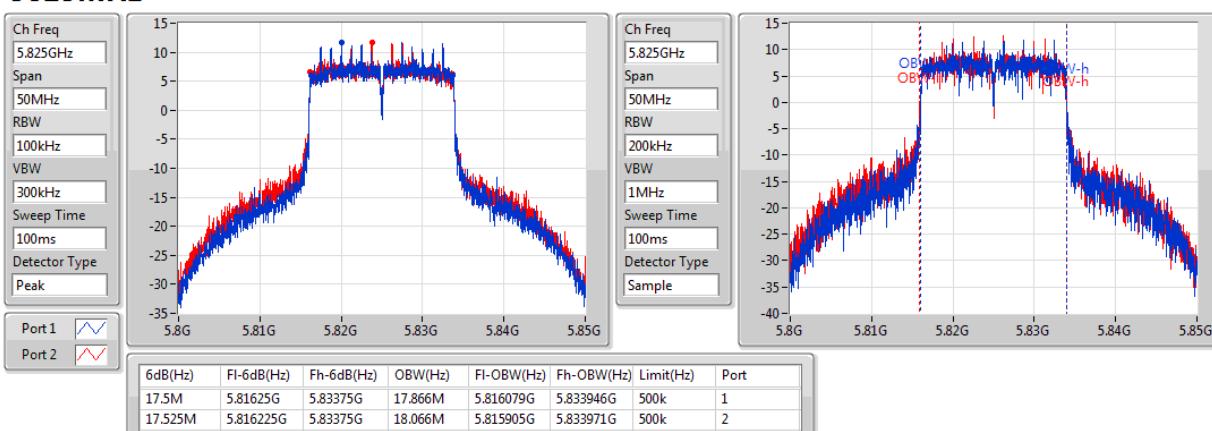
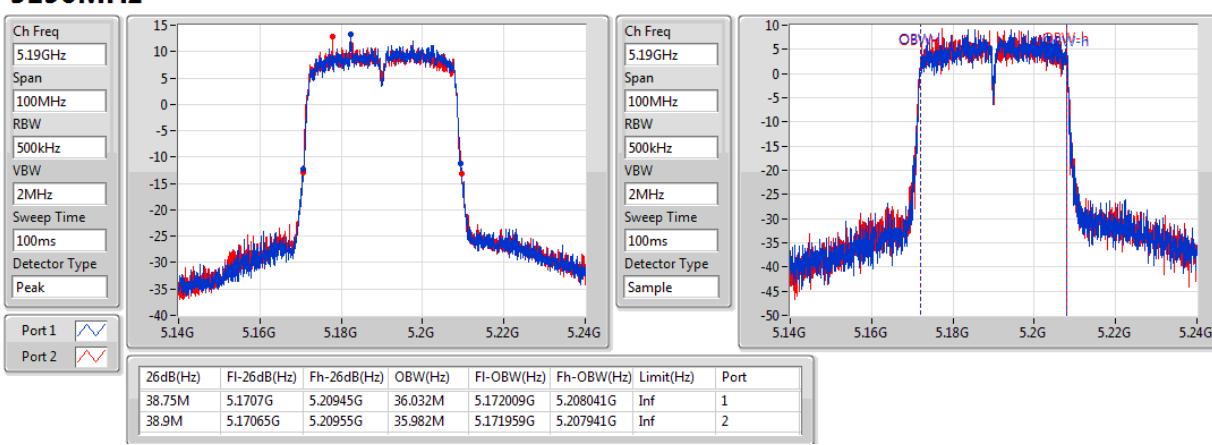
802.11ac VHT20-BF_Nss1,(MCS0)_2TX

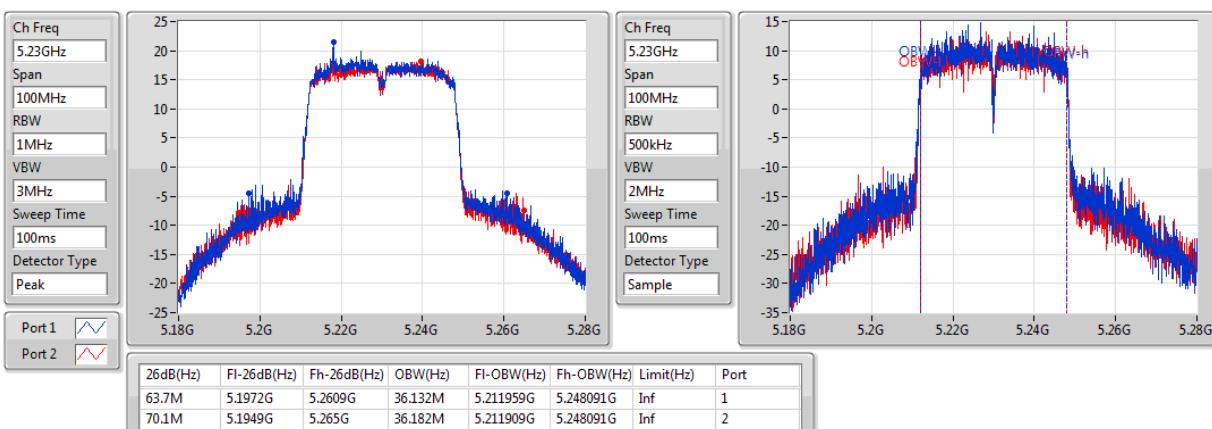
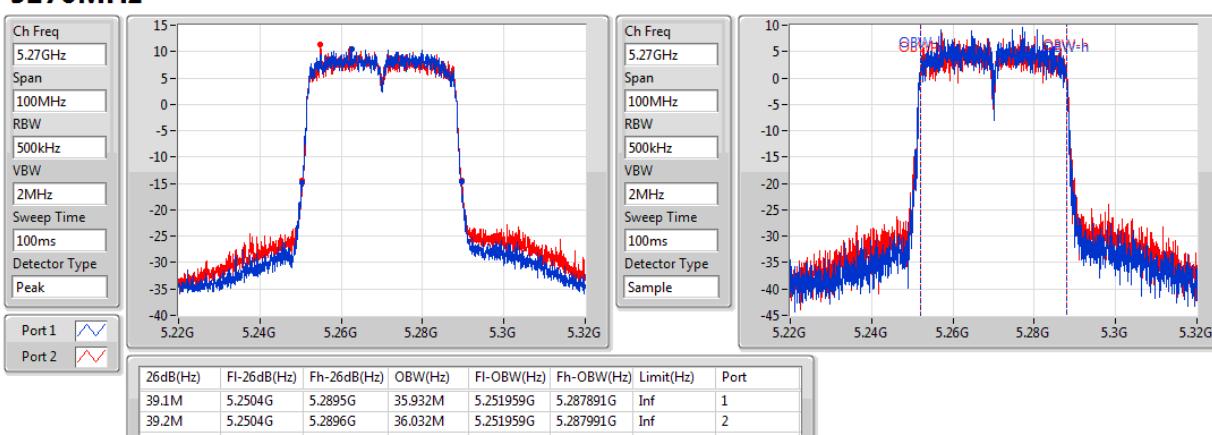
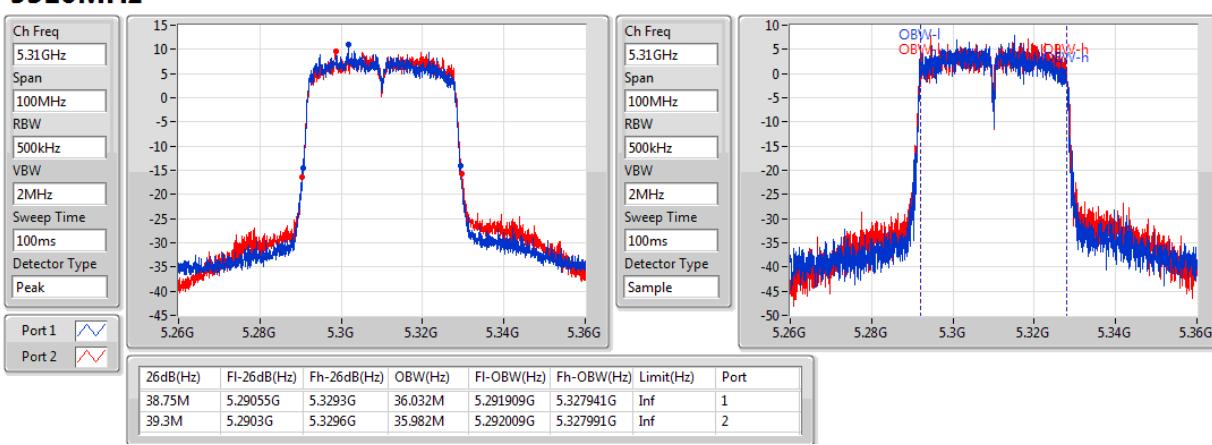
EBW

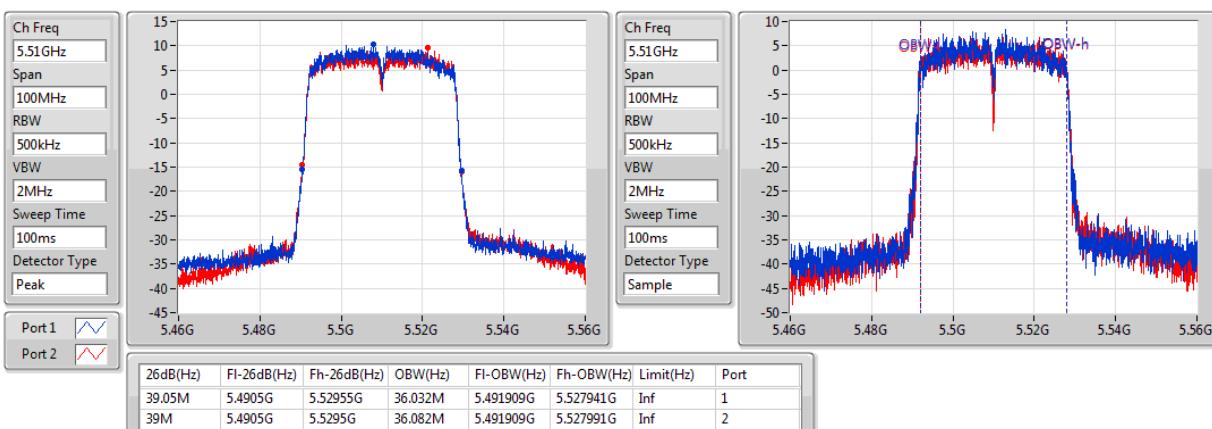
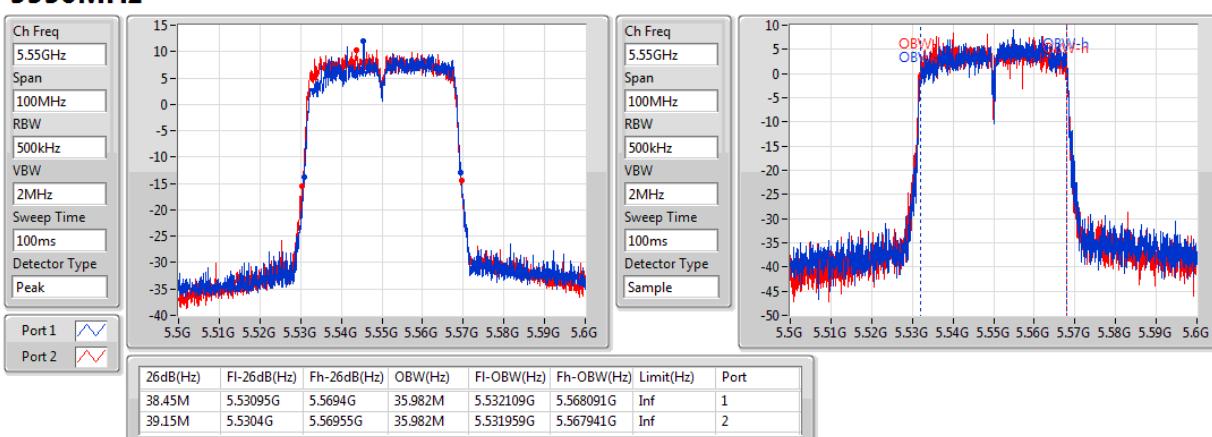
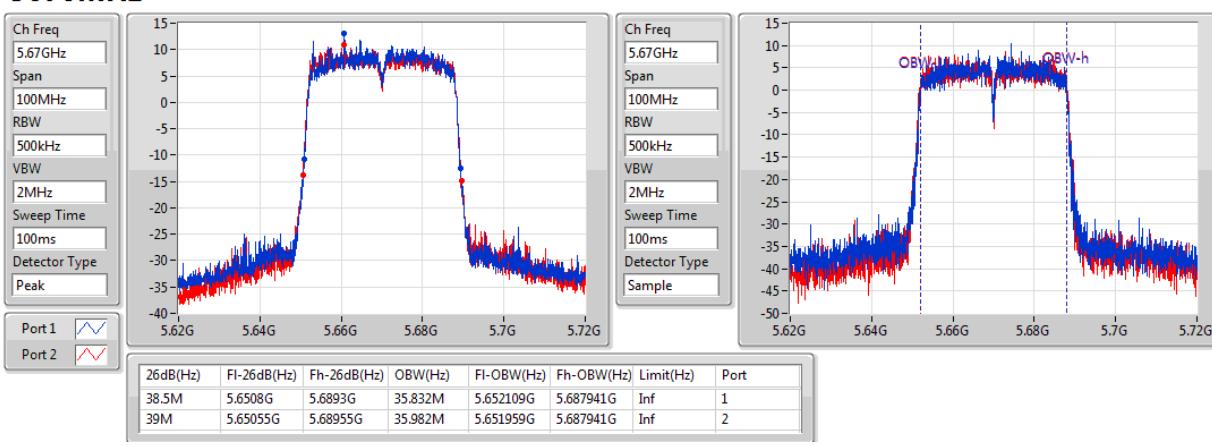
5700MHz

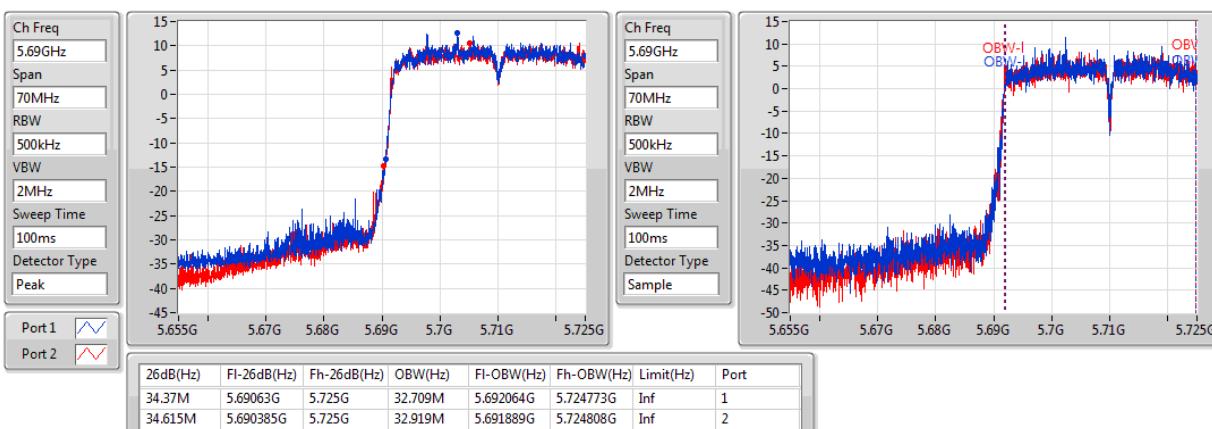
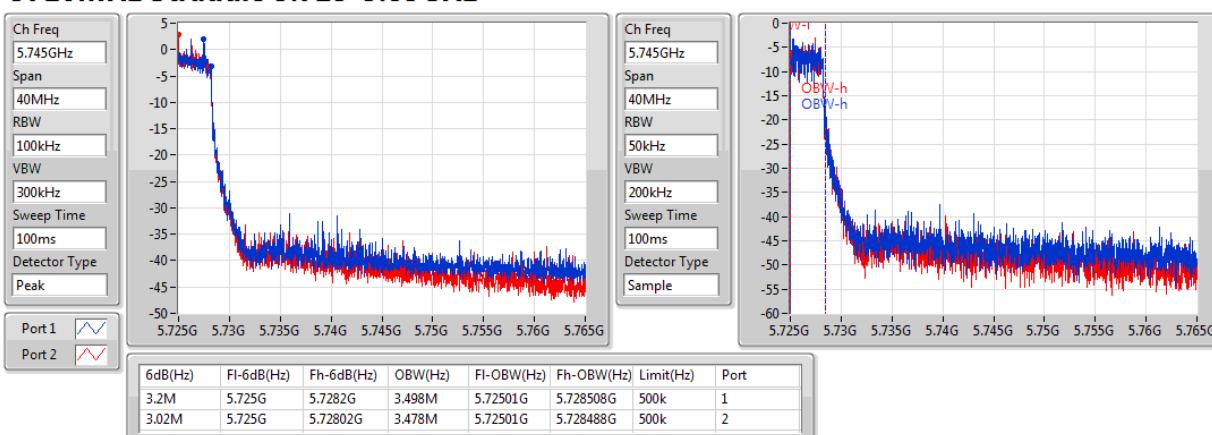
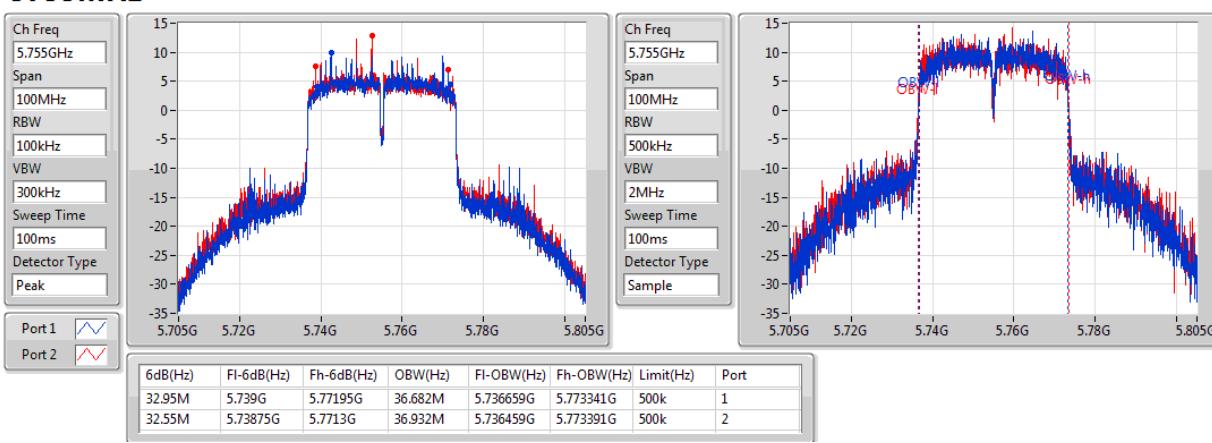


**802.11ac VHT20-BF_Nss1,(MCS0)_2TX****EBW****5720MHz Straddle 5.47-5.725GHz****802.11ac VHT20-BF_Nss1,(MCS0)_2TX****EBW****5720MHz Straddle 5.725-5.85GHz****802.11ac VHT20-BF_Nss1,(MCS0)_2TX****EBW****5745MHz**

**802.11ac VHT20-BF_Nss1,(MCS0)_2TX****EBW****5785MHz****802.11ac VHT20-BF_Nss1,(MCS0)_2TX****EBW****5825MHz****802.11ac VHT40-BF_Nss1,(MCS0)_2TX****EBW****5190MHz**

**802.11ac VHT40-BF_Nss1,(MCS0)_2TX****EBW****5230MHz****802.11ac VHT40-BF_Nss1,(MCS0)_2TX****EBW****5270MHz****802.11ac VHT40-BF_Nss1,(MCS0)_2TX****EBW****5310MHz**

**802.11ac VHT40-BF_Nss1,(MCS0)_2TX****EBW****5510MHz****802.11ac VHT40-BF_Nss1,(MCS0)_2TX****EBW****5550MHz****802.11ac VHT40-BF_Nss1,(MCS0)_2TX****EBW****5670MHz**

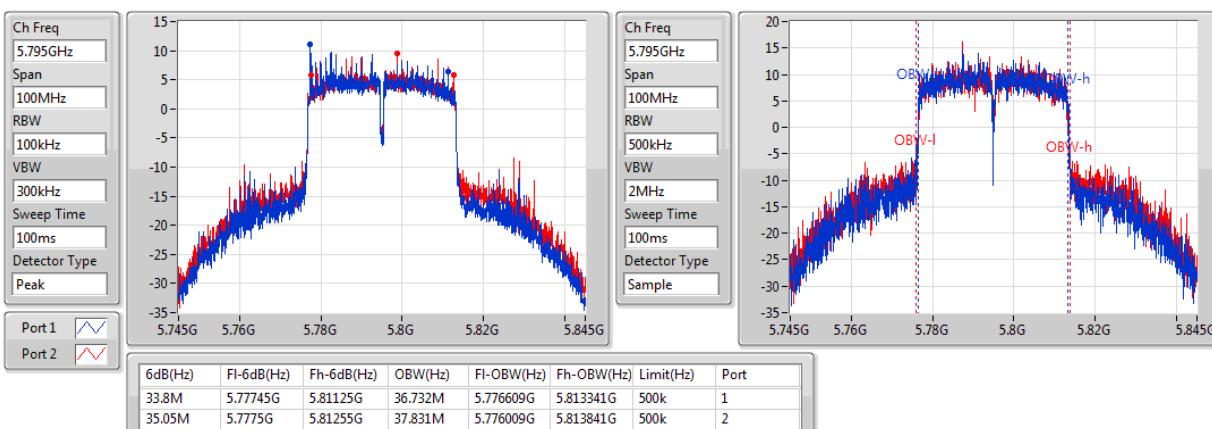
**802.11ac VHT40-BF_Nss1,(MCS0)_2TX****EBW****5710MHz Straddle 5.47-5.725GHz****802.11ac VHT40-BF_Nss1,(MCS0)_2TX****EBW****5710MHz Straddle 5.725-5.85GHz****802.11ac VHT40-BF_Nss1,(MCS0)_2TX****EBW****5755MHz**



802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

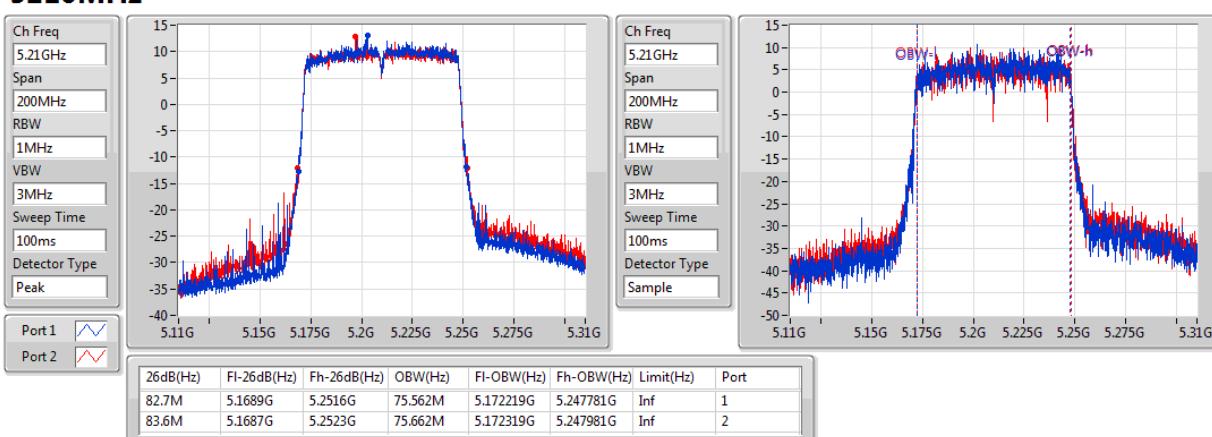
5795MHz



802.11ac VHT80-BF_Nss1,(MCS0)_2TX

EBW

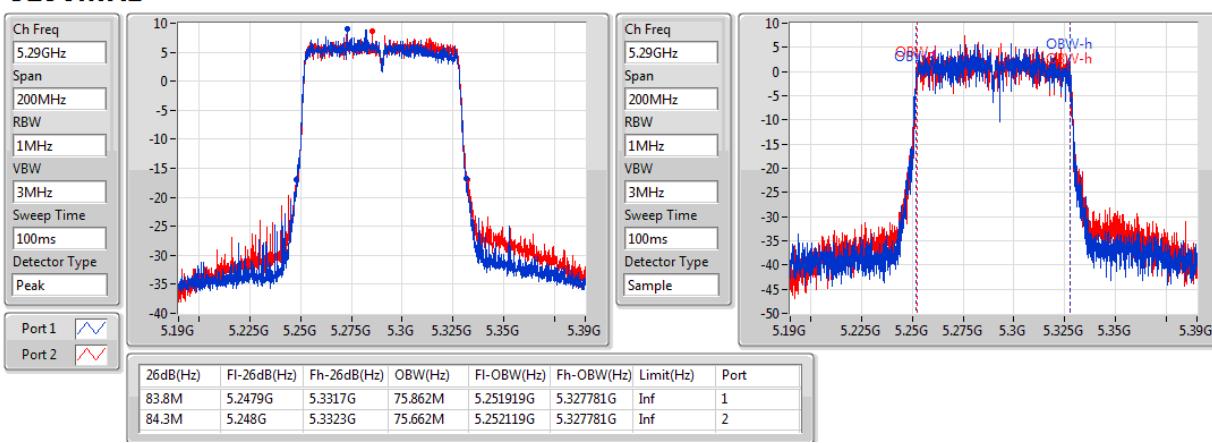
5210MHz



802.11ac VHT80-BF_Nss1,(MCS0)_2TX

EBW

5290MHz

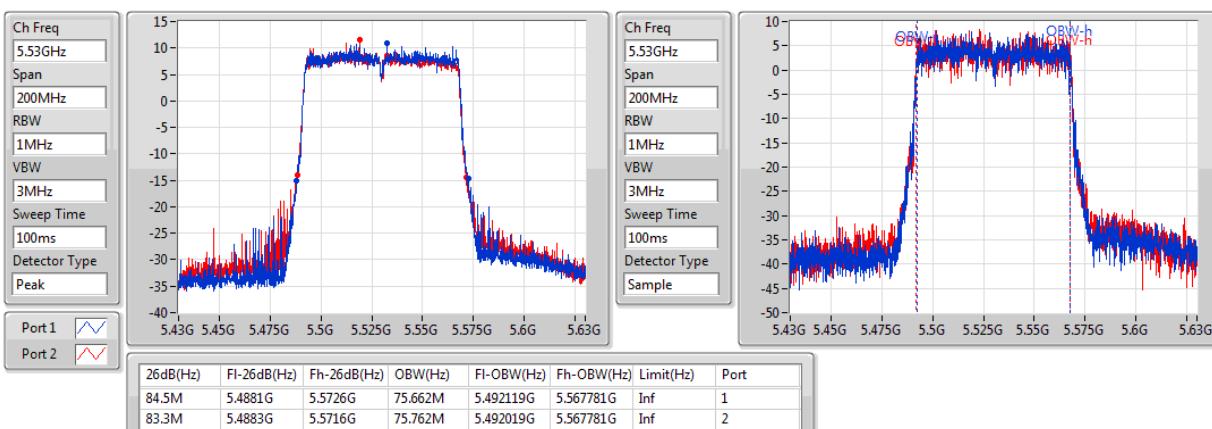




802.11ac VHT80-BF_Nss1,(MCS0)_2TX

EBW

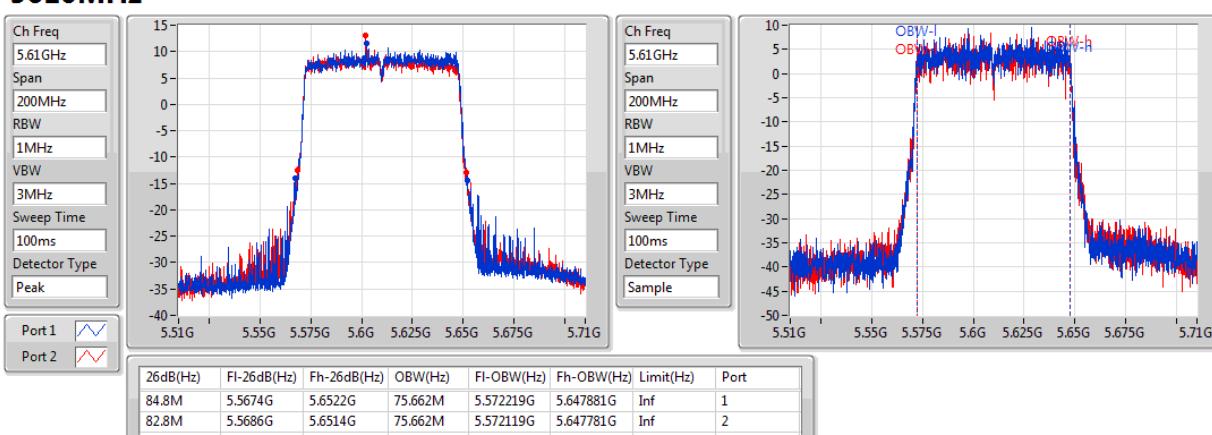
5530MHz



802.11ac VHT80-BF_Nss1,(MCS0)_2TX

EBW

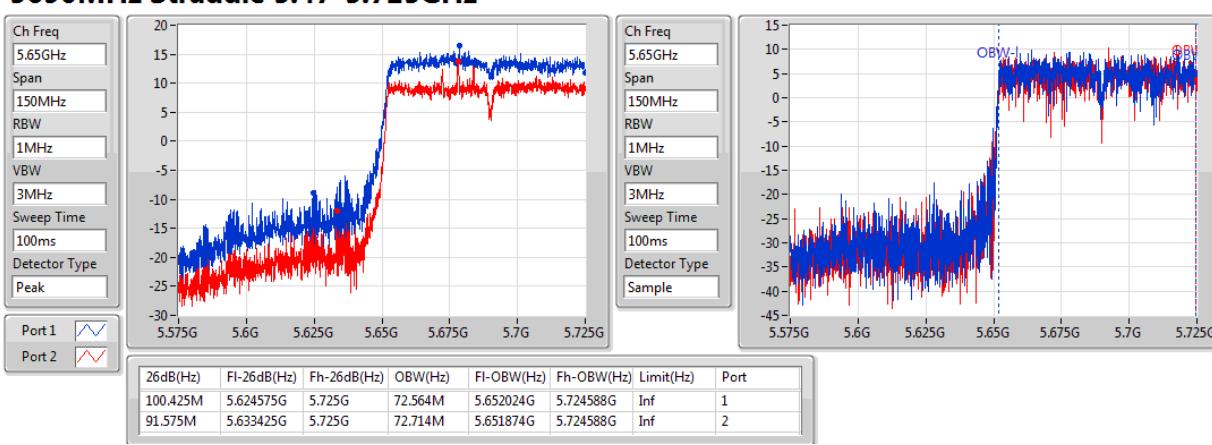
5610MHz

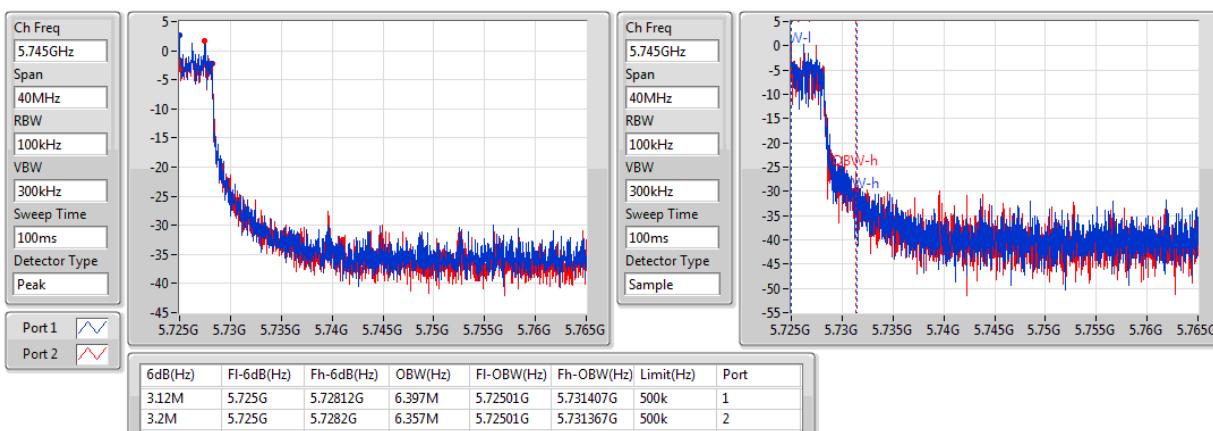
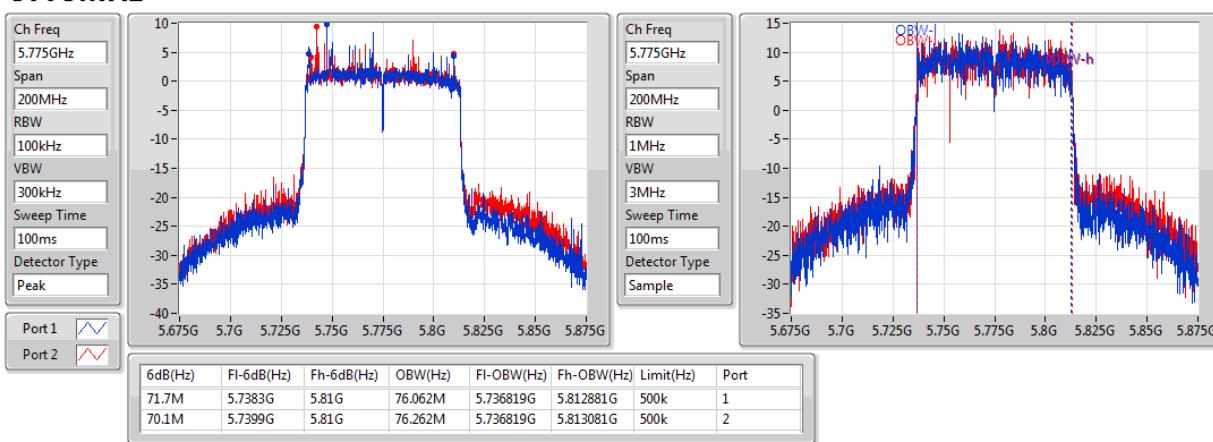


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz



**802.11ac VHT80-BF_Nss1,(MCS0)_2TX****EBW****5690MHz Straddle 5.725-5.85GHz****802.11ac VHT80-BF_Nss1,(MCS0)_2TX****EBW****5775MHz**



For Set 2 antennas / 3TX:
<For Non-Beamforming Mode>
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_3TX	-	-	-	-	-
5.15-5.25GHz	20M	16.417M	16M4D1D	19.25M	16.392M
5.25-5.35GHz	19.2M	16.417M	16M4D1D	18.95M	16.367M
5.47-5.725GHz	19.725M	16.417M	16M4D1D	14.475M	13.163M
5.725-5.85GHz	16.3M	16.467M	16M5D1D	3.14M	3.378M
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	20.9M	17.641M	17M6D1D	20.5M	17.591M
5.25-5.35GHz	20.5M	17.641M	17M6D1D	19.75M	17.566M
5.47-5.725GHz	20.575M	17.616M	17M6D1D	15.045M	13.778M
5.725-5.85GHz	17.55M	17.666M	17M7D1D	3.78M	3.918M
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	40.15M	35.982M	36M0D1D	39.4M	35.882M
5.25-5.35GHz	40.2M	35.932M	35M9D1D	39.65M	35.882M
5.47-5.725GHz	40.2M	36.032M	36M0D1D	34.755M	32.779M
5.725-5.85GHz	35.65M	36.032M	36M0D1D	3.16M	3.438M
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	85.4M	75.862M	75M9D1D	85.3M	75.762M
5.25-5.35GHz	87.2M	75.862M	75M9D1D	85.3M	75.862M
5.47-5.725GHz	89.9M	75.962M	76M0D1D	77.4M	72.564M
5.725-5.85GHz	74M	75.962M	76M0D1D	3.14M	5.557M

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)
802.11a_(6Mbps)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.4M	16.392M	19.4M	16.392M	19.375M	16.417M
5200MHz	Pass	Inf	19.25M	16.417M	19.9M	16.417M	19.3M	16.392M
5240MHz	Pass	Inf	19.35M	16.417M	20M	16.417M	19.275M	16.417M
5260MHz	Pass	Inf	19.025M	16.367M	19.2M	16.392M	19M	16.417M
5300MHz	Pass	Inf	18.975M	16.392M	19.175M	16.417M	18.95M	16.417M
5320MHz	Pass	Inf	19.075M	16.417M	19.2M	16.392M	19.175M	16.367M
5500MHz	Pass	Inf	19.725M	16.417M	19.4M	16.417M	19.075M	16.392M
5580MHz	Pass	Inf	19.3M	16.417M	19.2M	16.417M	19.325M	16.417M
5700MHz	Pass	Inf	19.35M	16.417M	19.05M	16.417M	19.375M	16.417M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.85M	13.193M	14.475M	13.163M	15.03M	13.178M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.458M	3.16M	3.378M	3.14M	3.458M
5745MHz	Pass	500k	16.3M	16.392M	15.65M	16.417M	16.3M	16.417M
5785MHz	Pass	500k	16.275M	16.417M	16.025M	16.392M	16.3M	16.442M
5825MHz	Pass	500k	16.275M	16.417M	16.3M	16.467M	16.3M	16.417M
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.725M	17.591M	20.775M	17.641M	20.5M	17.641M
5200MHz	Pass	Inf	20.9M	17.616M	20.675M	17.641M	20.65M	17.616M
5240MHz	Pass	Inf	20.825M	17.616M	20.775M	17.616M	20.525M	17.616M
5260MHz	Pass	Inf	20.5M	17.566M	20.475M	17.641M	20.45M	17.591M
5300MHz	Pass	Inf	20.45M	17.566M	20.325M	17.591M	19.75M	17.616M
5320MHz	Pass	Inf	20.425M	17.616M	20.45M	17.591M	19.875M	17.616M
5500MHz	Pass	Inf	20.575M	17.591M	20.325M	17.591M	20.45M	17.591M
5580MHz	Pass	Inf	20.475M	17.566M	20.375M	17.616M	19.85M	17.616M
5700MHz	Pass	Inf	20.575M	17.591M	20.4M	17.591M	20.55M	17.591M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.075M	13.793M	15.06M	13.793M	15.045M	13.778M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.82M	3.998M	3.78M	3.938M	3.78M	3.918M
5745MHz	Pass	500k	17.55M	17.666M	16.55M	17.641M	17.275M	17.666M
5785MHz	Pass	500k	17.125M	17.641M	16.875M	17.666M	17.125M	17.666M
5825MHz	Pass	500k	16.55M	17.641M	17.55M	17.641M	17.525M	17.666M
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.4M	35.882M	40.05M	35.932M	39.95M	35.932M
5230MHz	Pass	Inf	39.5M	35.982M	39.9M	35.932M	40.15M	35.982M
5270MHz	Pass	Inf	39.75M	35.932M	39.75M	35.932M	40.2M	35.932M
5310MHz	Pass	Inf	39.65M	35.882M	39.85M	35.932M	40.05M	35.932M
5510MHz	Pass	Inf	39.75M	36.032M	40M	35.832M	40.2M	35.982M
5550MHz	Pass	Inf	39.3M	35.982M	40M	35.832M	39.8M	35.932M
5670MHz	Pass	Inf	39.3M	35.932M	39.7M	35.882M	39.75M	35.932M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.755M	32.849M	34.895M	32.779M	34.895M	32.779M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.498M	3.16M	3.438M	3.18M	3.478M
5755MHz	Pass	500k	35.05M	35.982M	35.05M	35.932M	35.25M	36.032M
5795MHz	Pass	500k	34.95M	36.032M	33.85M	35.932M	35.65M	35.982M

**FCC Test Report****Report No. : FR760613AC**

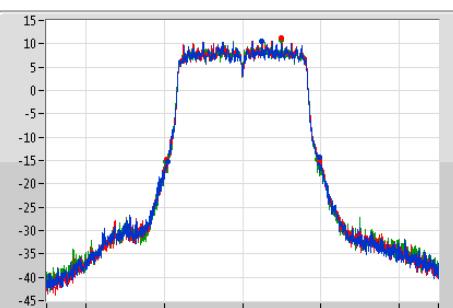
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	85.4M	75.762M	85.3M	75.862M	85.3M	75.762M
5290MHz	Pass	Inf	87.2M	75.862M	85.6M	75.862M	85.3M	75.862M
5530MHz	Pass	Inf	85.3M	75.962M	84.6M	75.762M	85M	75.862M
5610MHz	Pass	Inf	89.9M	75.862M	85.6M	75.962M	87.2M	75.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	79.275M	72.564M	77.4M	72.564M	77.85M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	5.737M	3.18M	5.557M	3.14M	5.757M
5775MHz	Pass	500k	72.5M	75.862M	73.7M	75.962M	74M	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;

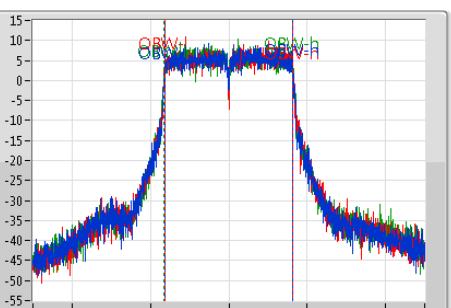
**802.11a_(6Mbps)_3TX****EBW****5180MHz**

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

Port 1
Port 2
Port 3



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

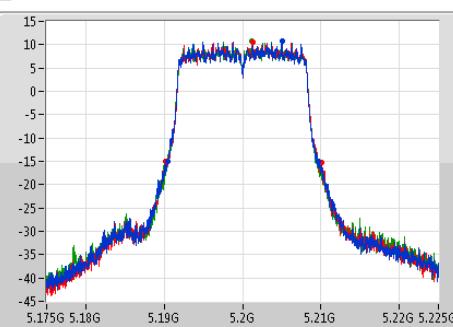


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.4M	5.1704G	5.1898G	16.392M	5.171804G	5.188196G	Inf	1
19.4M	5.170375G	5.189775G	16.392M	5.171804G	5.188196G	Inf	2
19.375M	5.1702G	5.189575G	16.417M	5.171779G	5.188196G	Inf	3

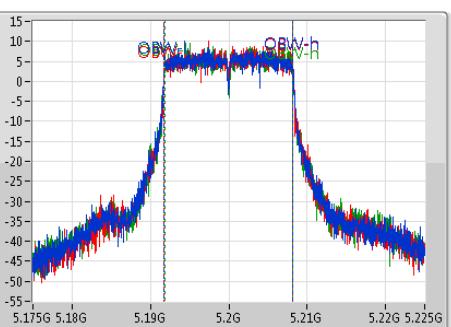
802.11a_(6Mbps)_3TX**EBW****5200MHz**

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

Port 1
Port 2
Port 3



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

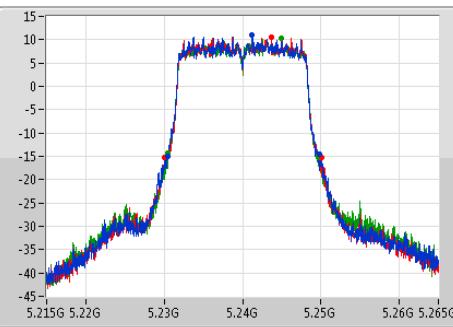


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.25M	5.190425G	5.209675G	16.417M	5.191779G	5.208196G	Inf	1
19.9M	5.1902G	5.2101G	16.417M	5.191779G	5.208196G	Inf	2
19.3M	5.19025G	5.20955G	16.392M	5.191804G	5.208196G	Inf	3

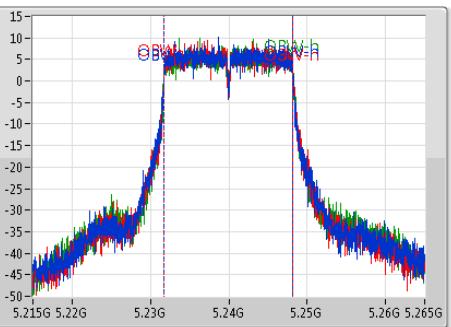
802.11a_(6Mbps)_3TX**EBW****5240MHz**

Ch Freq
5.24GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak

Port 1
Port 2
Port 3



Ch Freq
5.24GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample

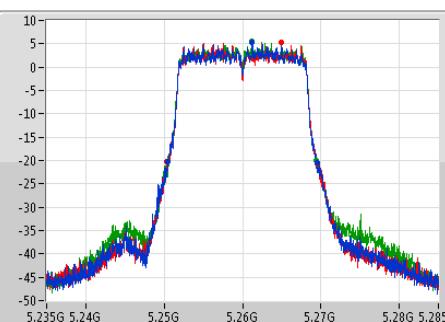


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.35M	5.230425G	5.249775G	16.417M	5.231779G	5.248196G	Inf	1
20M	5.2301G	5.2501G	16.417M	5.231779G	5.248196G	Inf	2
19.275M	5.2304G	5.249675G	16.417M	5.231779G	5.248196G	Inf	3

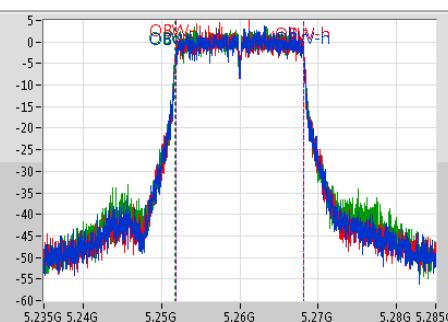
**802.11a_(6Mbps)_3TX****EBW****5260MHz**

Ch Freq
5.26GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak

Port 1
Port 2
Port 3



Ch Freq
5.26GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample

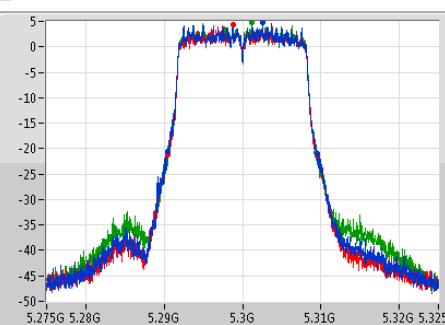


26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.025M	5.2505G	5.26952G	16.367M	5.251804G	5.268171G	Inf	1
19.2M	5.250375G	5.269575G	16.392M	5.251804G	5.268196G	Inf	2
19M	5.250425G	5.269425G	16.417M	5.251779G	5.268196G	Inf	3

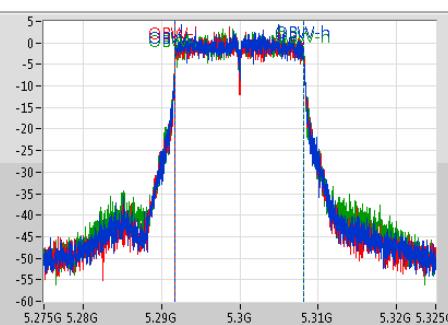
802.11a_(6Mbps)_3TX**EBW****5300MHz**

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

Port 1
Port 2
Port 3



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

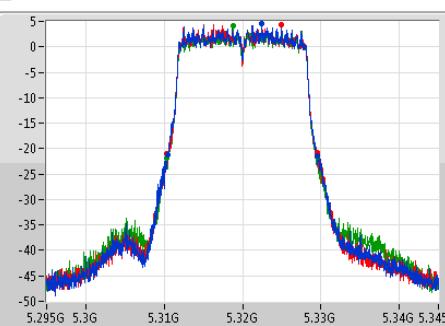


26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	5.2905G	5.309475G	16.392M	5.291779G	5.308171G	Inf	1
19.175M	5.290425G	5.3096G	16.417M	5.291779G	5.308196G	Inf	2
18.95M	5.290425G	5.309375G	16.417M	5.291779G	5.308196G	Inf	3

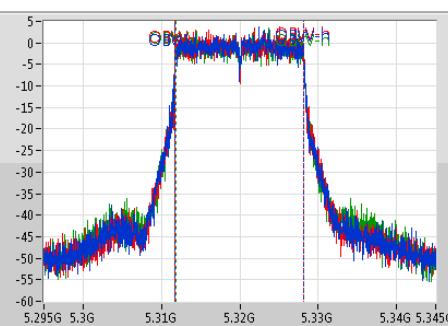
802.11a_(6Mbps)_3TX**EBW****5320MHz**

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

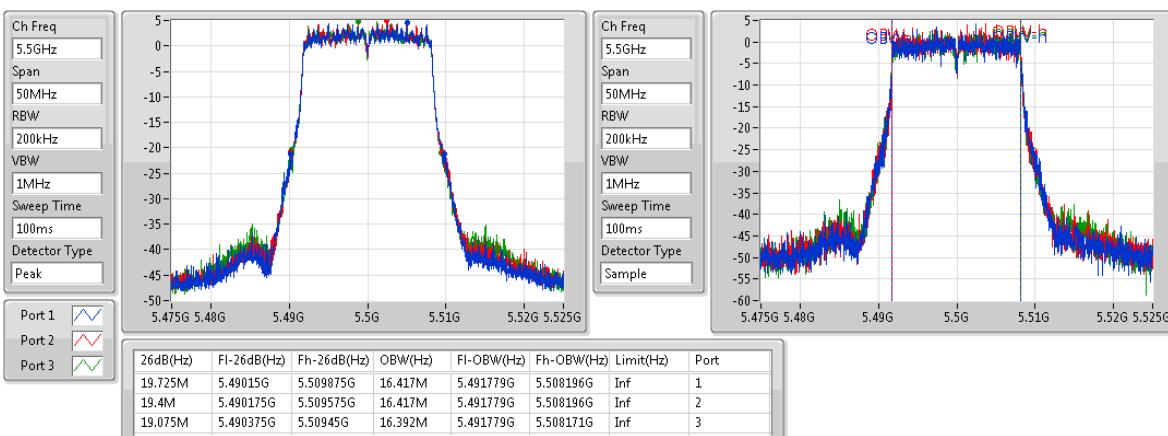
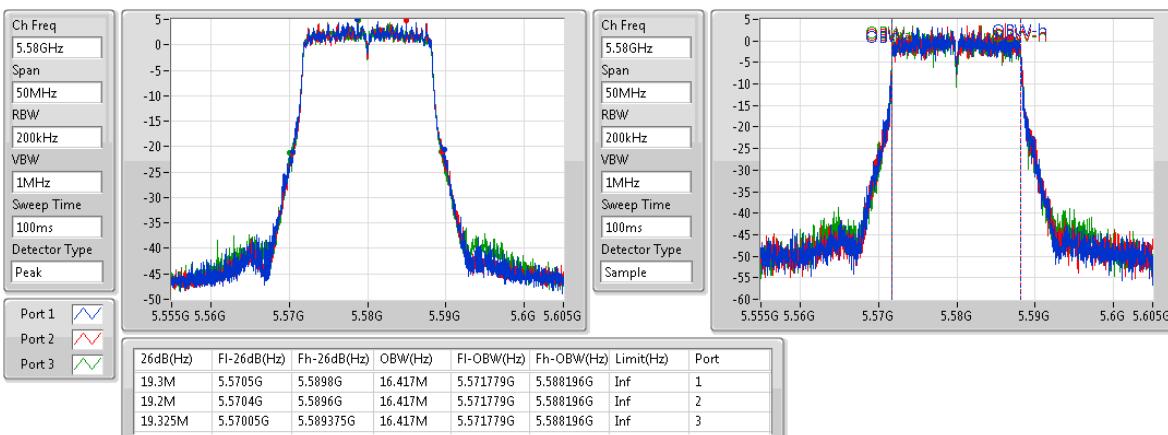
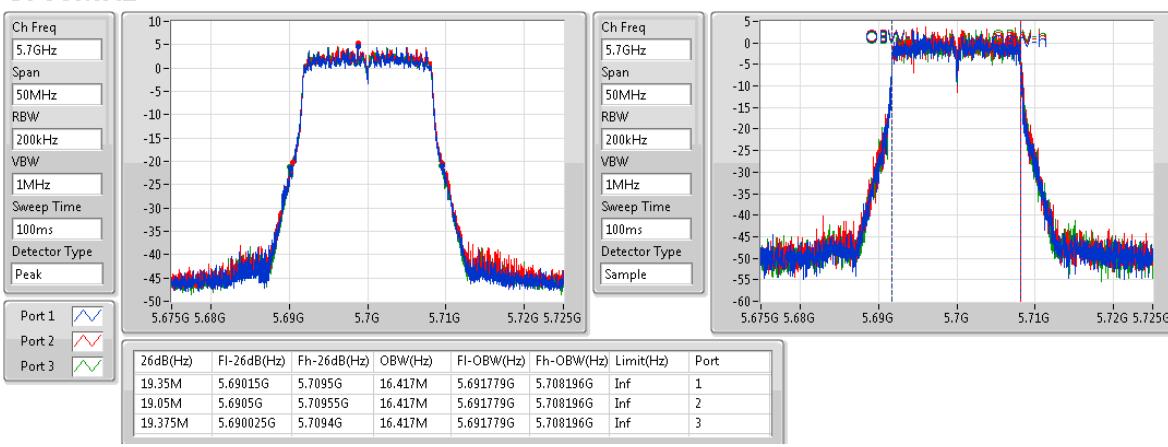
Port 1
Port 2
Port 3



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
19.075M	5.310475G	5.32955G	16.417M	5.311779G	5.328196G	Inf	1
19.2M	5.31035G	5.32955G	16.392M	5.311779G	5.328171G	Inf	2
19.175M	5.31036G	5.329475G	16.367M	5.311804G	5.328171G	Inf	3

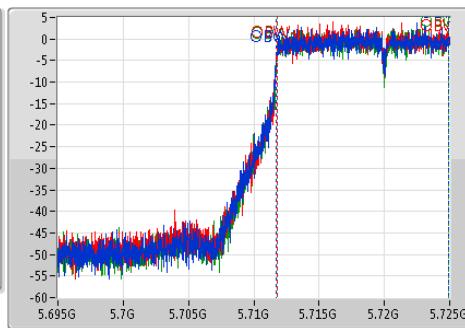
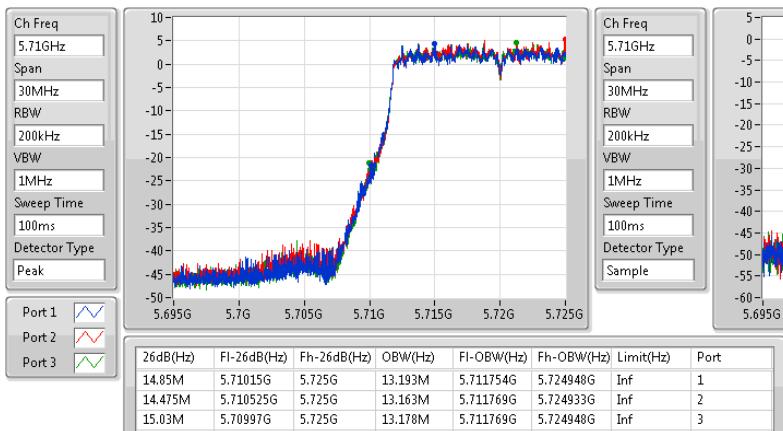
**802.11a_(6Mbps)_3TX****EBW****5500MHz****802.11a_(6Mbps)_3TX****EBW****5580MHz****802.11a_(6Mbps)_3TX****EBW****5700MHz**



802.11a_(6Mbps)_3TX

EBW

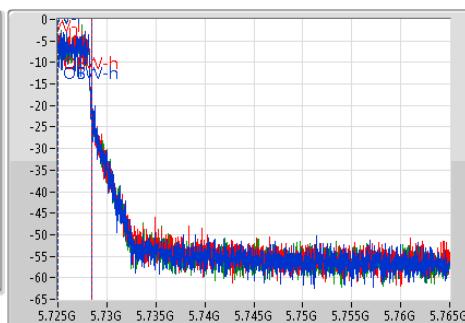
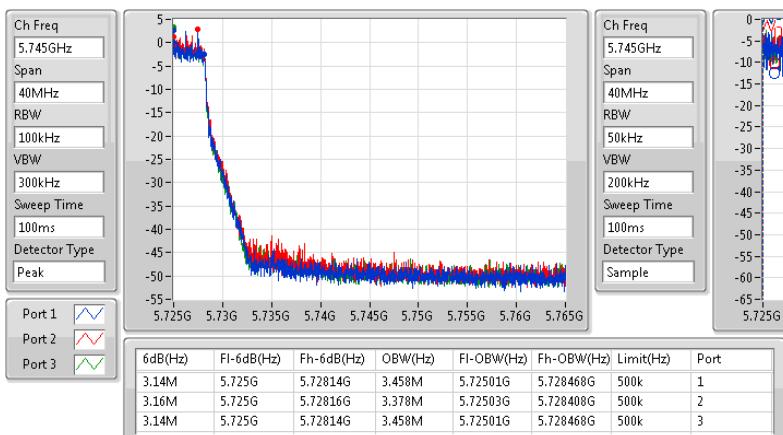
5720MHz Straddle 5.47-5.725GHz



802.11a_(6Mbps)_3TX

EBW

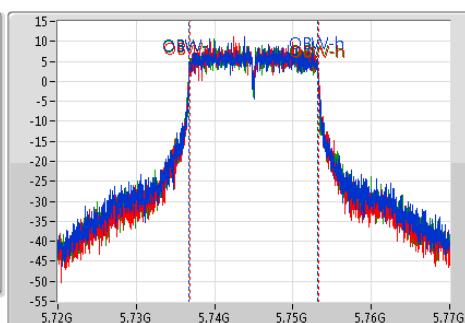
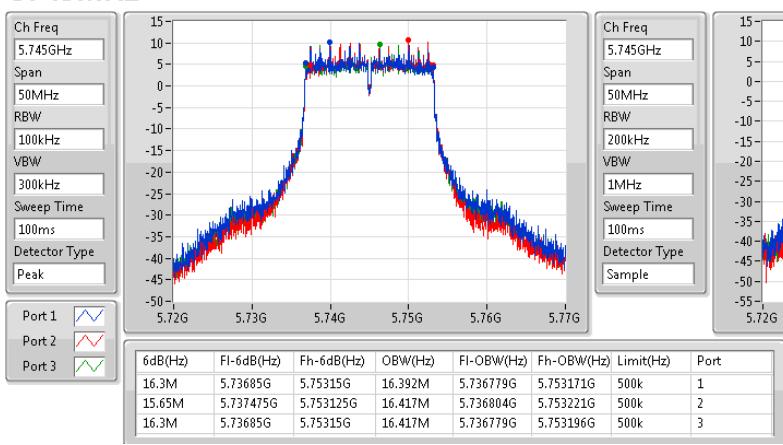
5720MHz Straddle 5.725-5.85GHz



802.11a_(6Mbps)_3TX

EBW

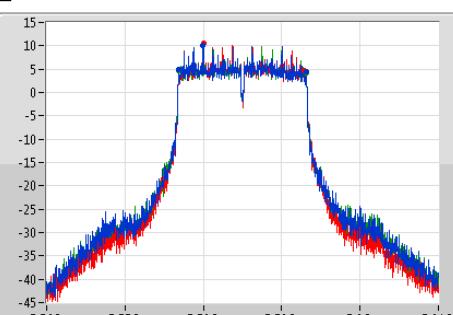
5745MHz



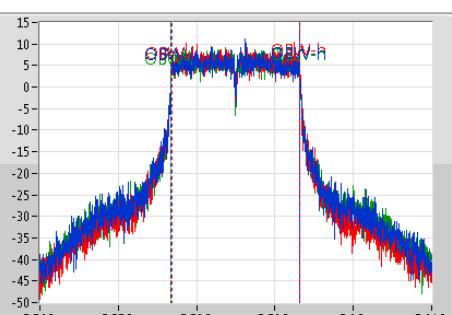
**802.11a_(6Mbps)_3TX****EBW****5785MHz**

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

Port 1
Port 2
Port 3



Ch Freq
5.785GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample

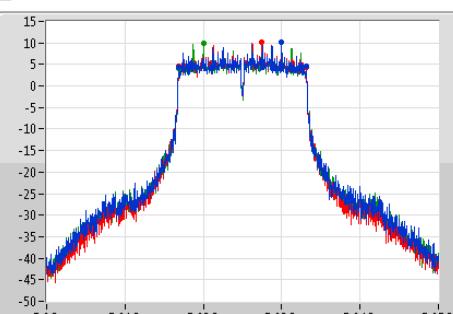


6dB(Hz)	FI-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.77685G	5.793125G	16.417M	5.776779G	5.793196G	500k	1
16.025M	5.77685G	5.792875G	16.392M	5.776804G	5.793196G	500k	2
16.3M	5.77685G	5.79315G	16.442M	5.776754G	5.793196G	500k	3

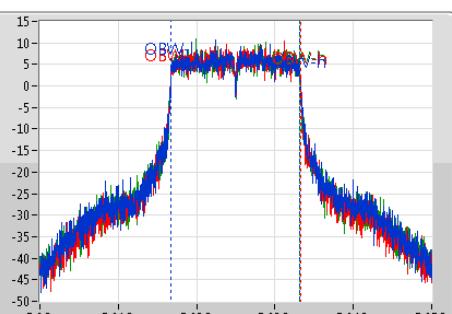
802.11a_(6Mbps)_3TX**EBW****5825MHz**

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

Port 1
Port 2
Port 3



Ch Freq
5.825GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
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
16.275M	5.81685G	5.833125G	16.417M	5.816779G	5.833196G	500k	1
16.3M	5.81685G	5.83315G	16.467M	5.816754G	5.833221G	500k	2
16.3M	5.81685G	5.83315G	16.417M	5.816779G	5.833196G	500k	3

802.11ac VHT20_Nss1,(MCS0)_3TX**EBW****5180MHz**

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

Port 1
Port 2
Port 3



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



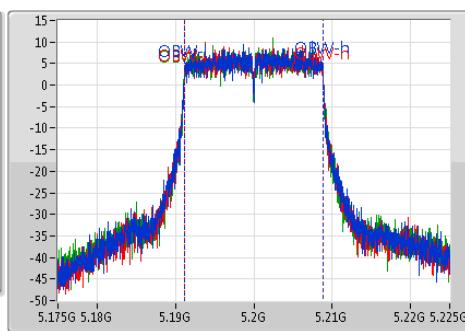
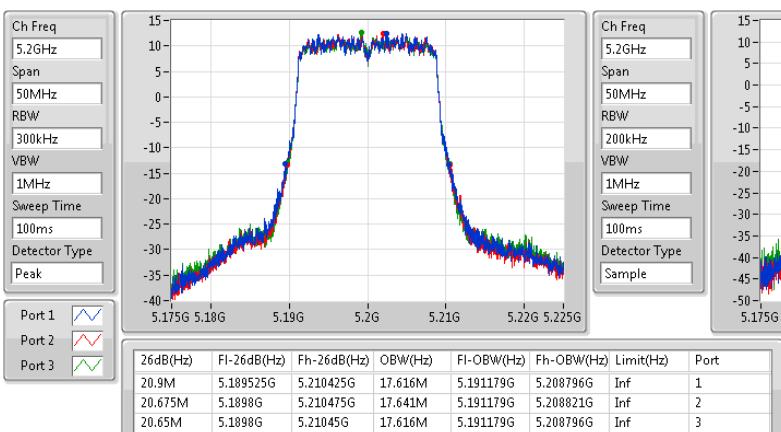
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.725M	5.1696G	5.190325G	17.591M	5.171204G	5.188796G	Inf	1
20.775M	5.169775G	5.19055G	17.641M	5.171154G	5.188796G	Inf	2
20.5M	5.1698G	5.1903G	17.641M	5.171179G	5.188821G	Inf	3



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

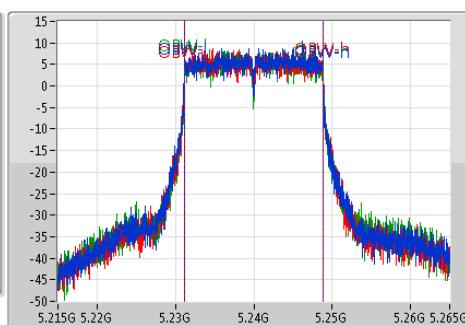
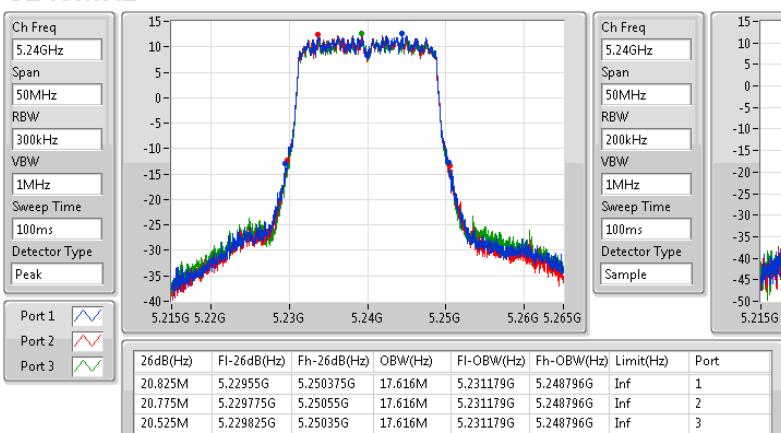
5200MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

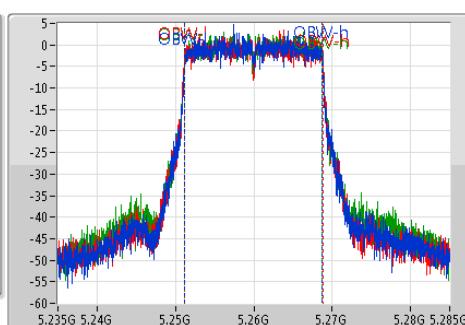
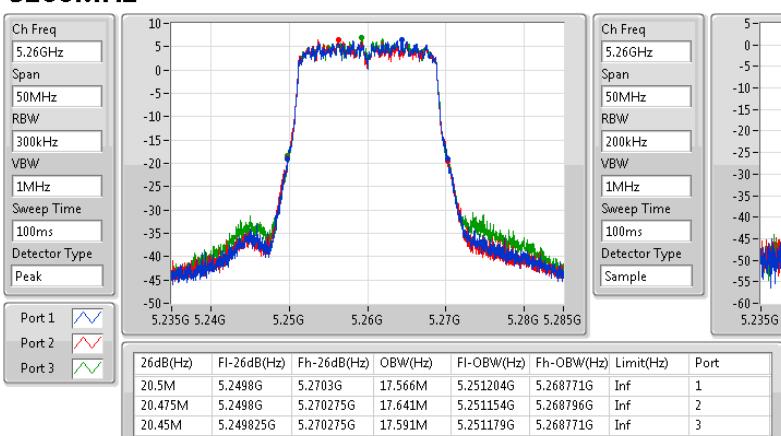
5240MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

5260MHz

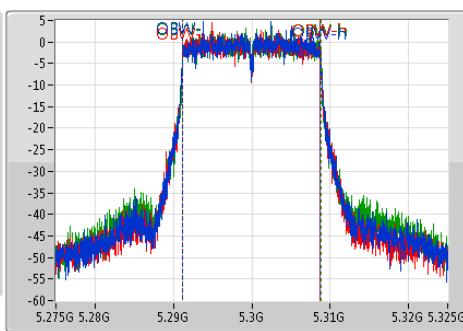
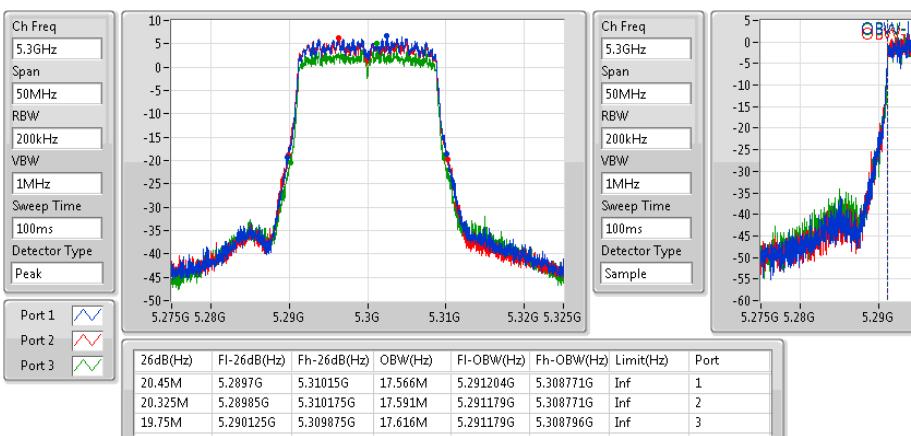




802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

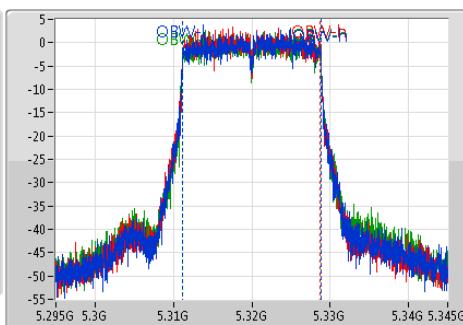
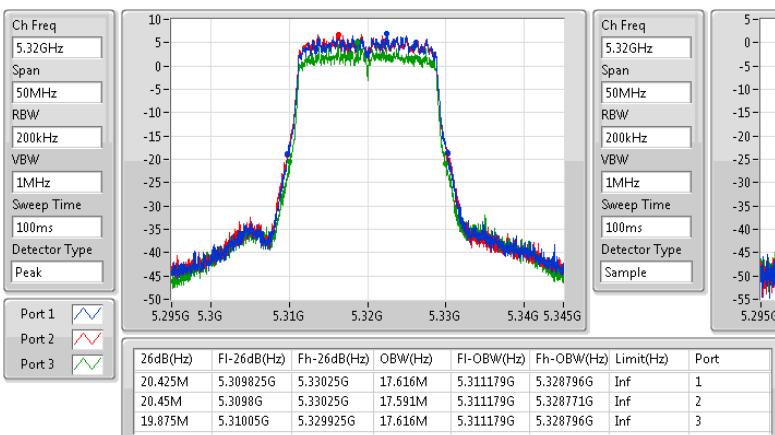
5300MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

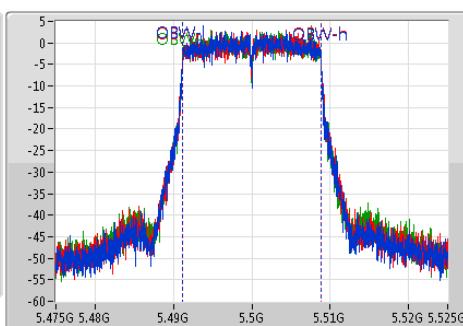
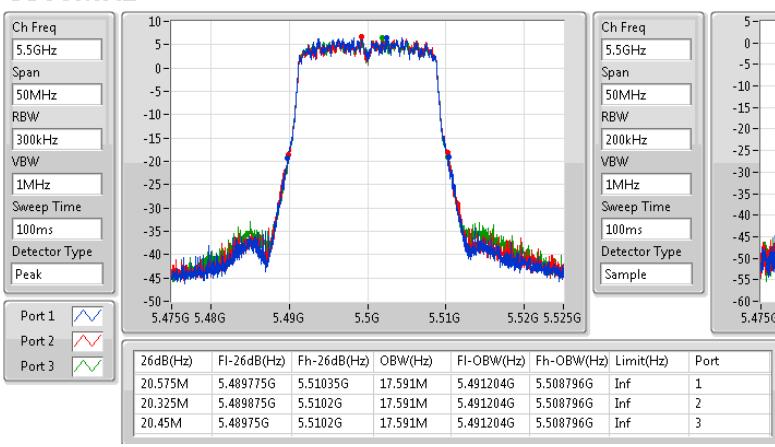
5320MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

5500MHz

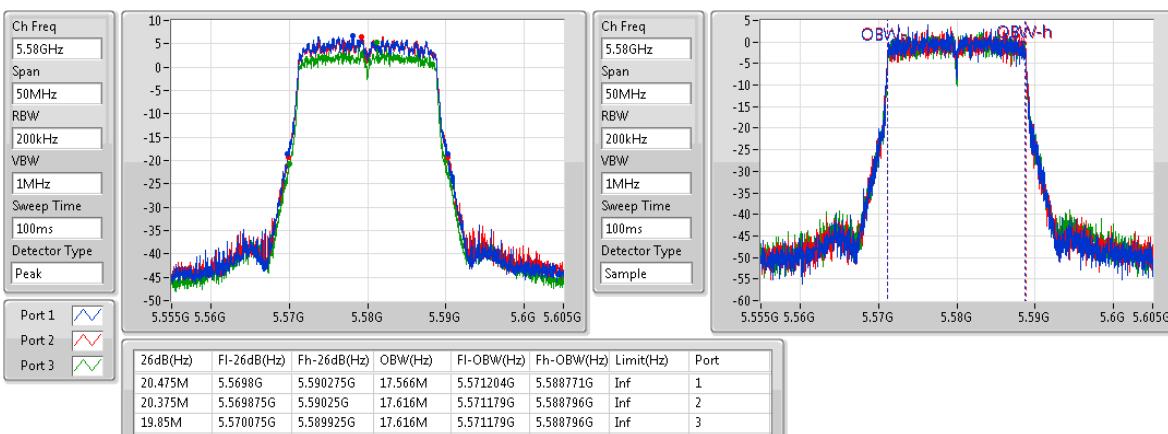




802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

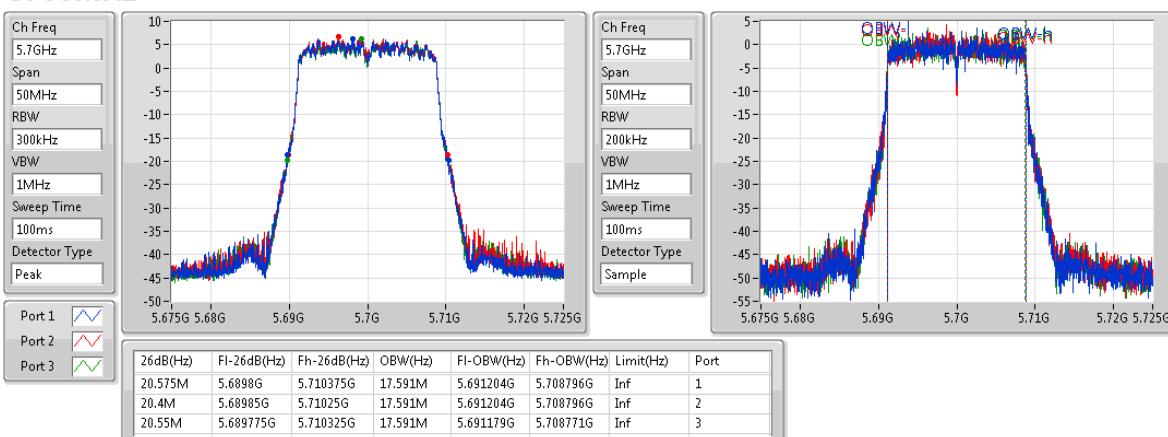
5580MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

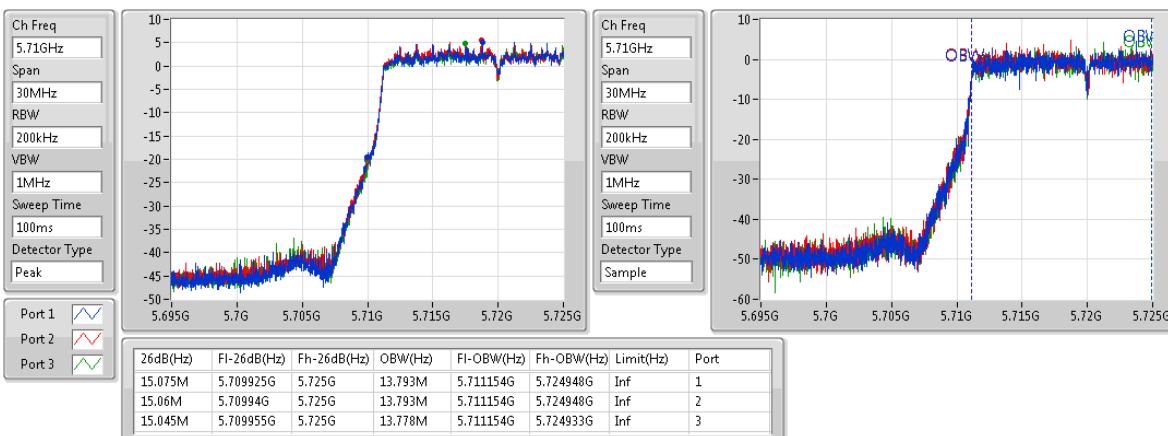
5700MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

5720MHz Straddle 5.47-5.725GHz

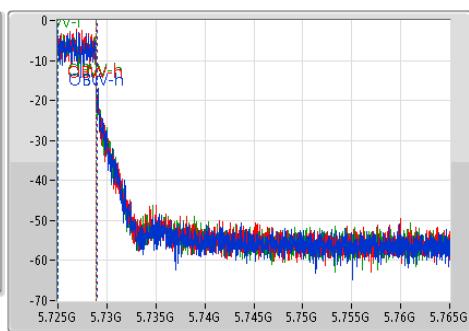
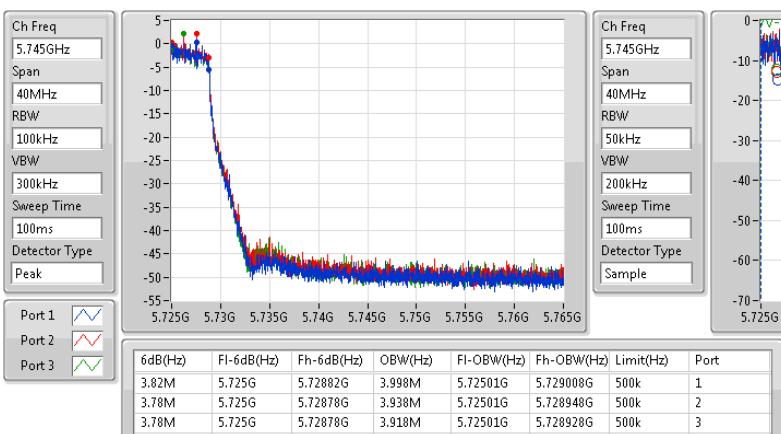




802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

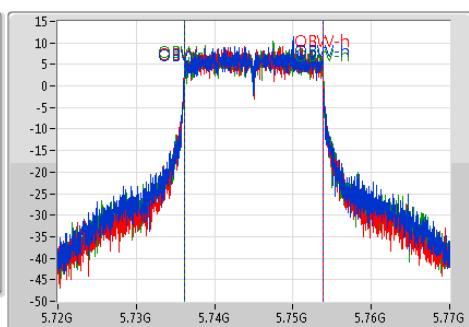
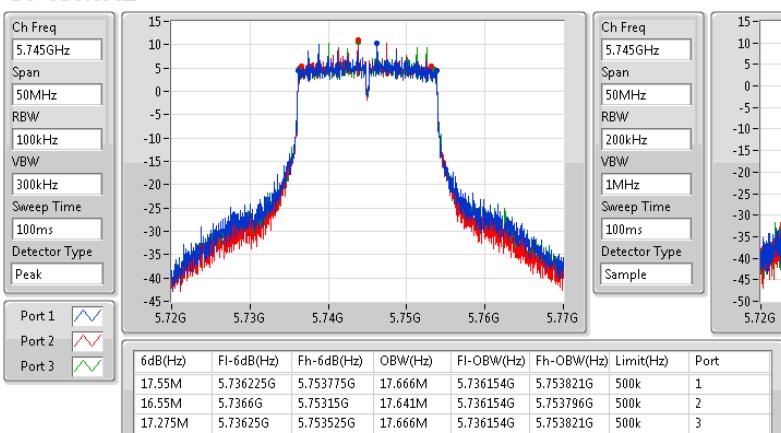
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

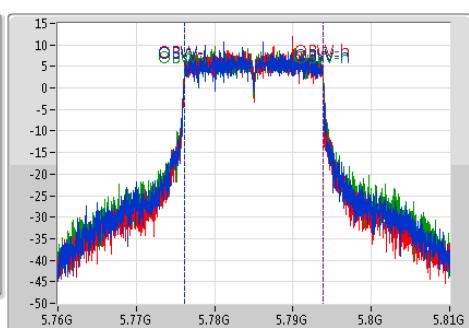
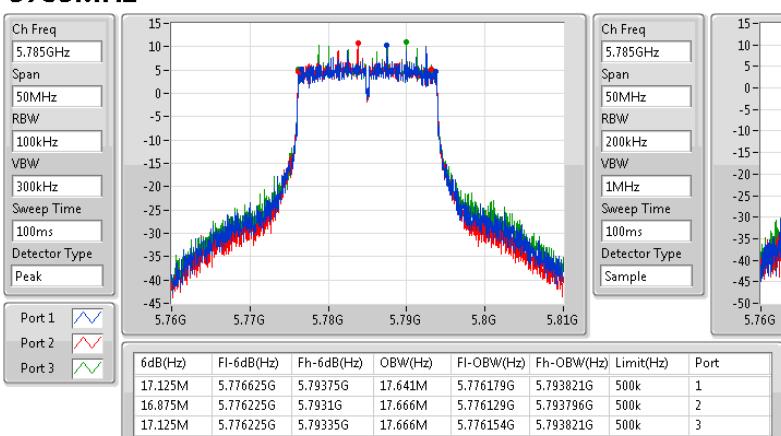
5745MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

5785MHz





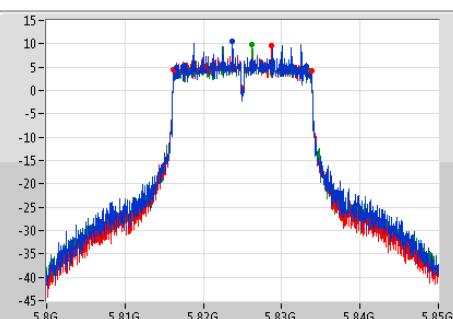
802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

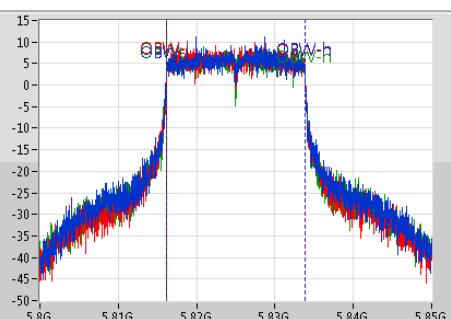
5825MHz

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

Port 1
Port 2
Port 3



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
16.55M	5.8166G	5.83315G	17.641M	5.816154G	5.833796G	500k	1
17.55M	5.816225G	5.833775G	17.641M	5.816154G	5.833796G	500k	2
17.525M	5.816225G	5.83375G	17.666M	5.816154G	5.833802G	500k	3

802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5190MHz

Ch Freq
5.19GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak

Port 1
Port 2
Port 3



Ch Freq
5.19GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
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
39.4M	5.17045G	5.20985G	35.882M	5.172059G	5.207941G	Inf	1
40.05M	5.17015G	5.2102G	35.932M	5.172059G	5.207991G	Inf	2
39.95M	5.17025G	5.2102G	35.932M	5.172059G	5.207991G	Inf	3

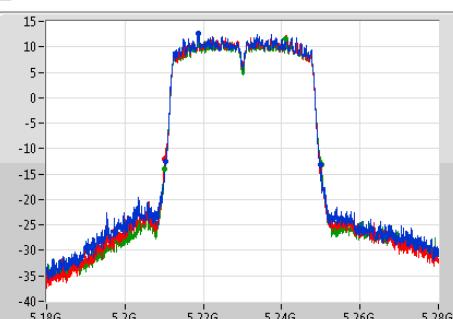
802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

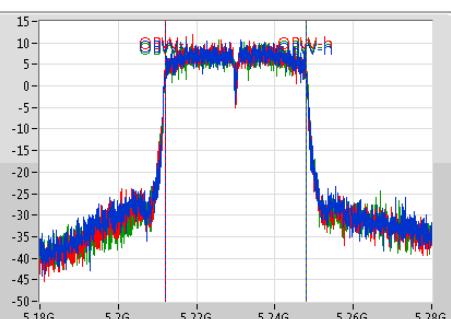
5230MHz

Ch Freq
5.23GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak

Port 1
Port 2
Port 3



Ch Freq
5.23GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



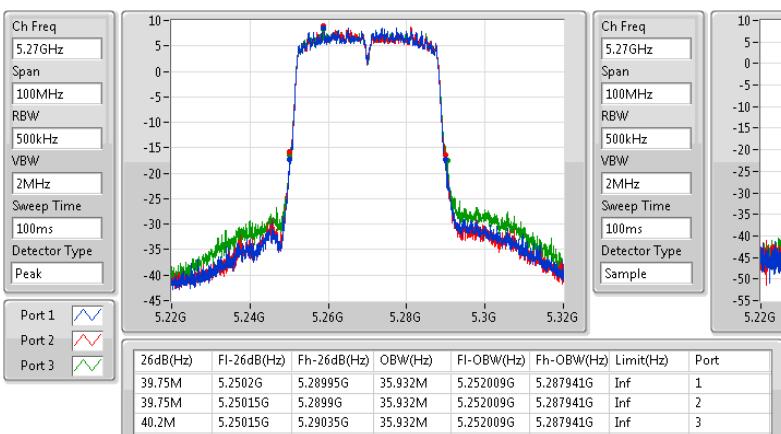
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.5M	5.2103G	5.2498G	35.982M	5.212009G	5.247991G	Inf	1
39.9M	5.21015G	5.25005G	35.932M	5.212009G	5.247941G	Inf	2
40.15M	5.21016G	5.25025G	35.982M	5.212009G	5.247991G	Inf	3



802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

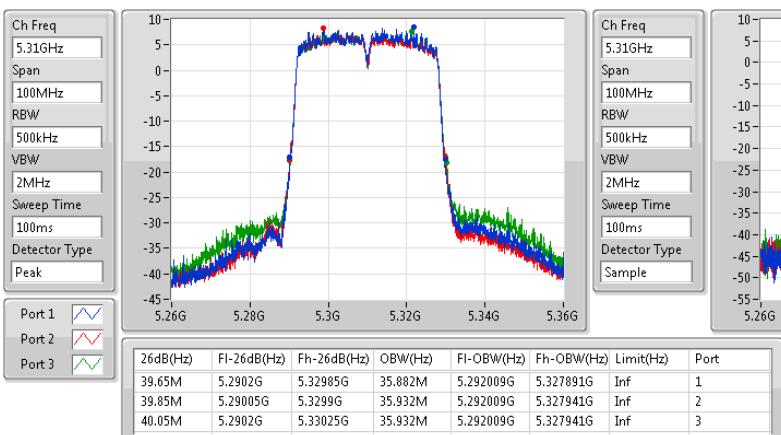
5270MHz



802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

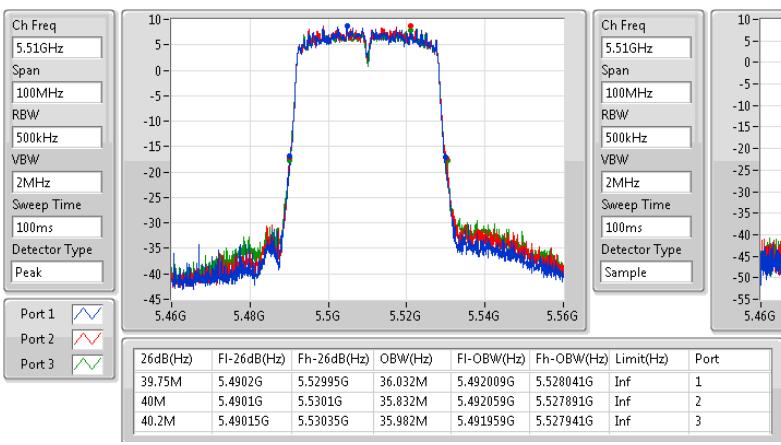
5310MHz



802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5510MHz

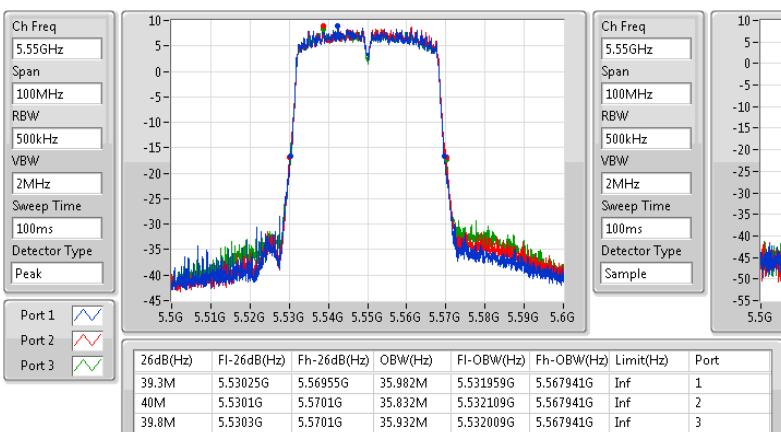




802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

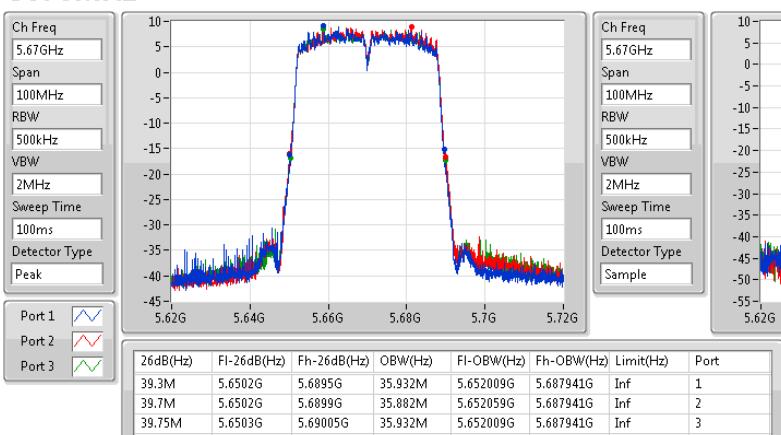
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802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

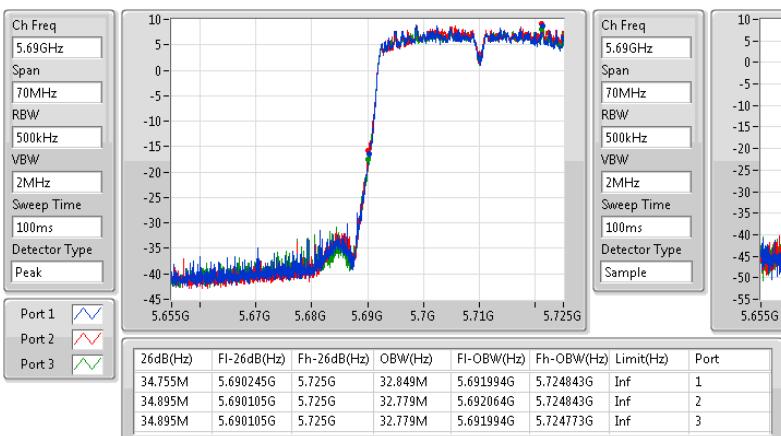
5670MHz



802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5710MHz Straddle 5.47-5.725GHz

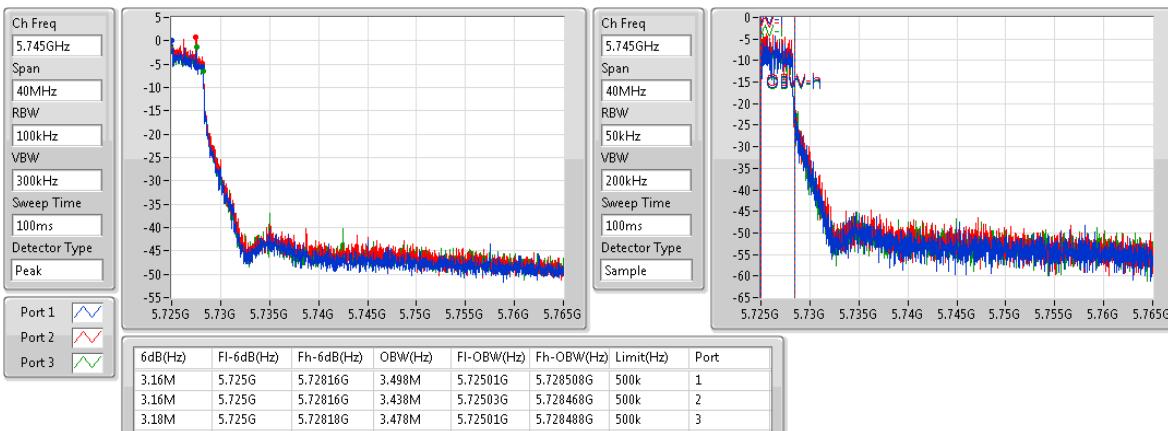




802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

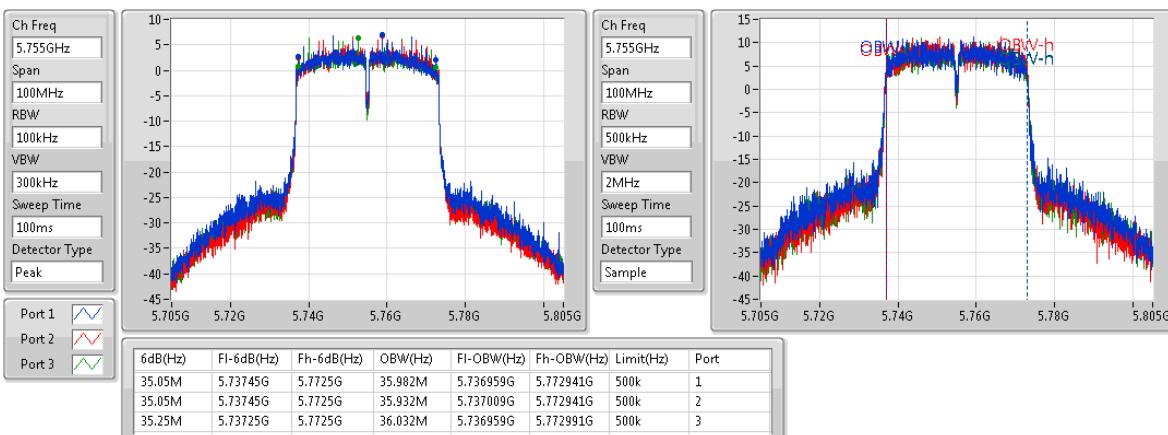
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

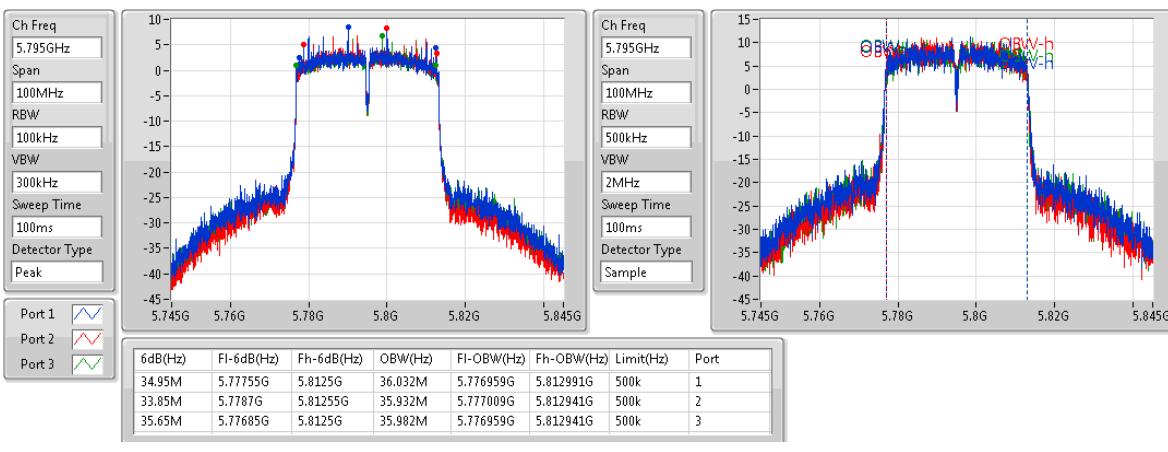
5755MHz



802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5795MHz

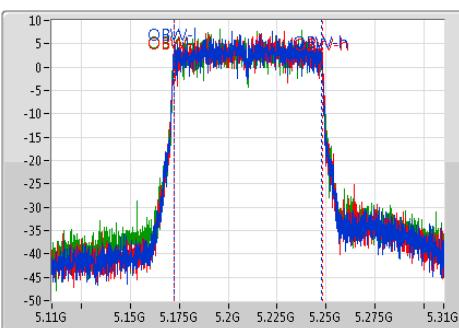
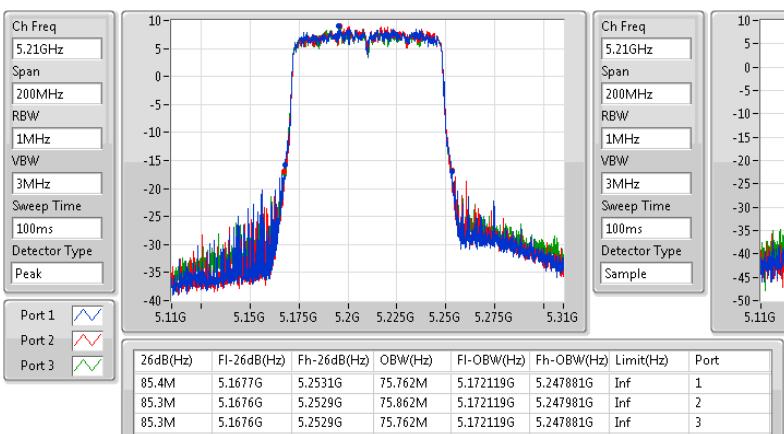




802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

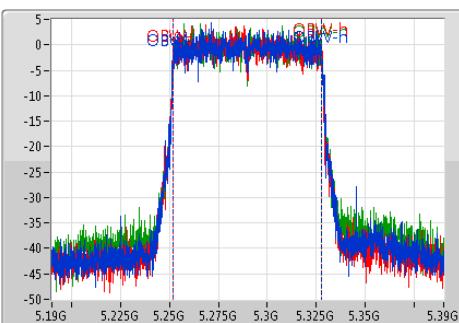
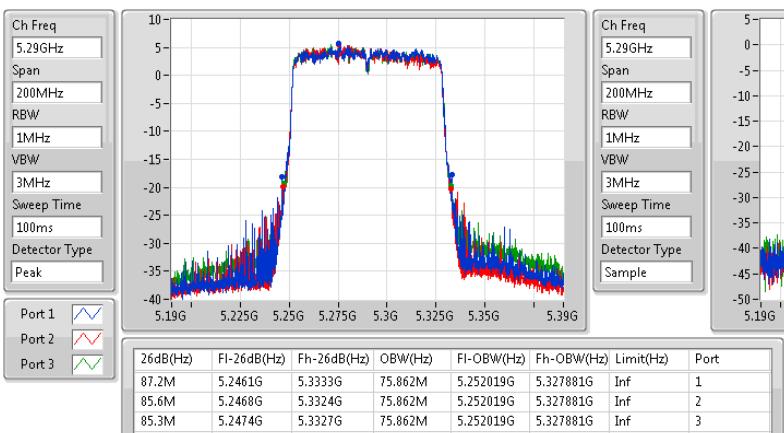
5210MHz



802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

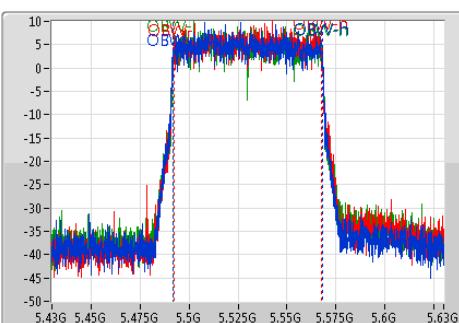
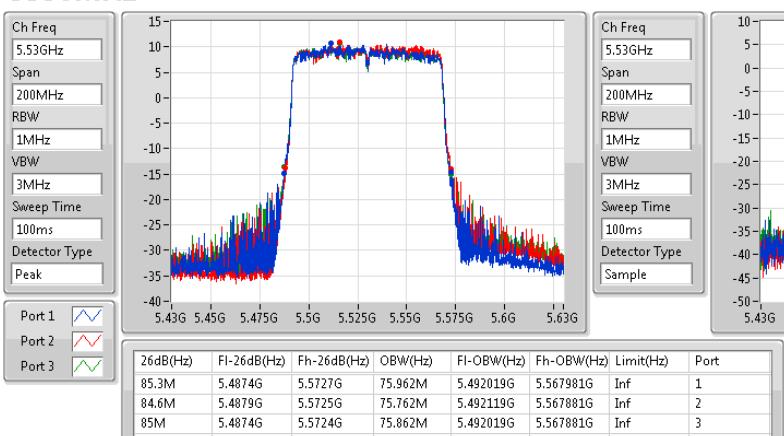
5290MHz



802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

5530MHz

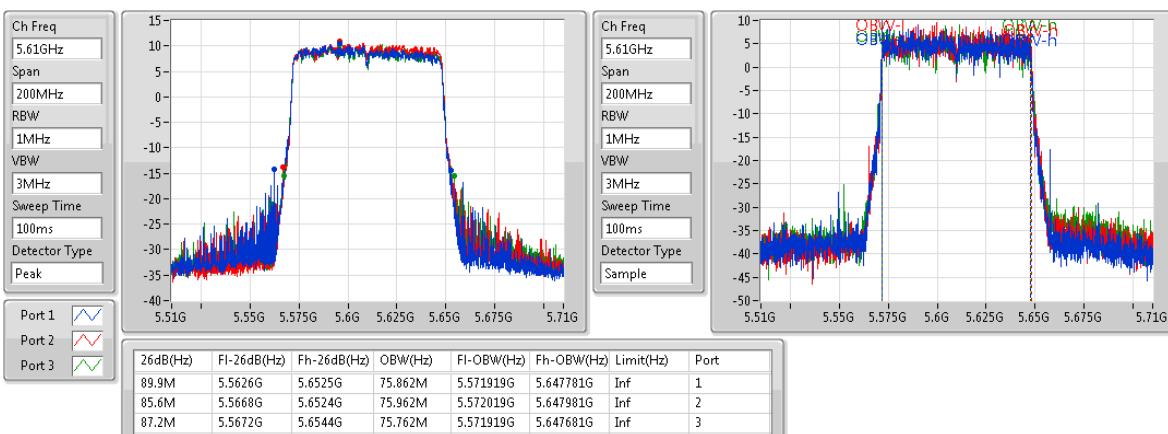




802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

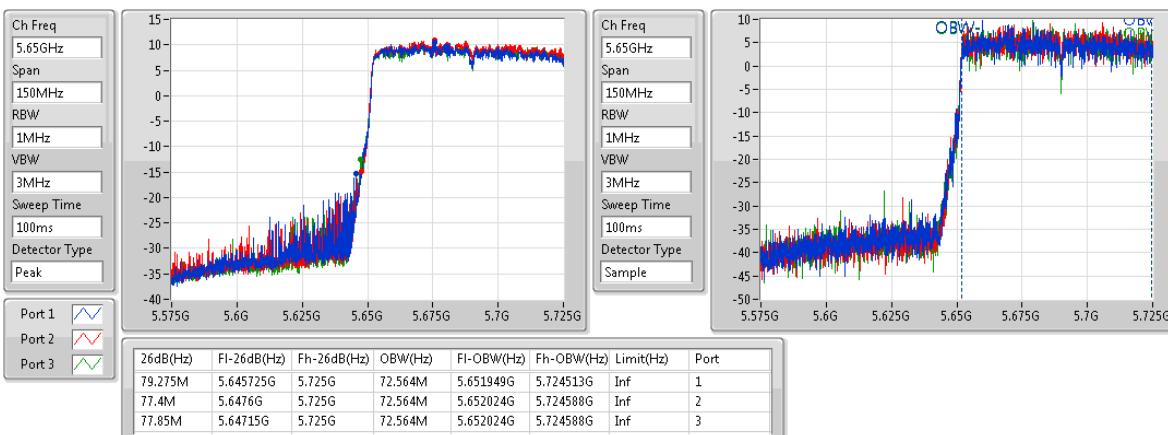
5610MHz



802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

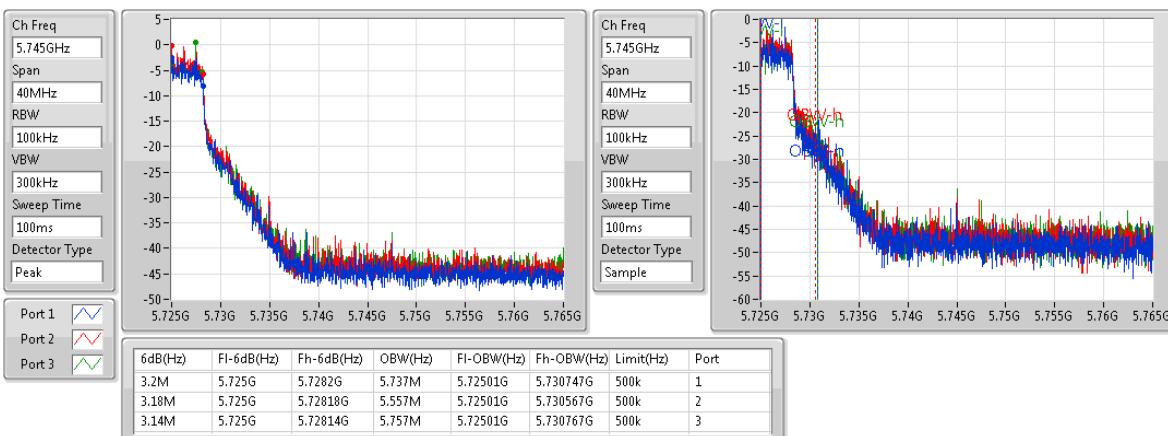
5690MHz Straddle 5.47-5.725GHz

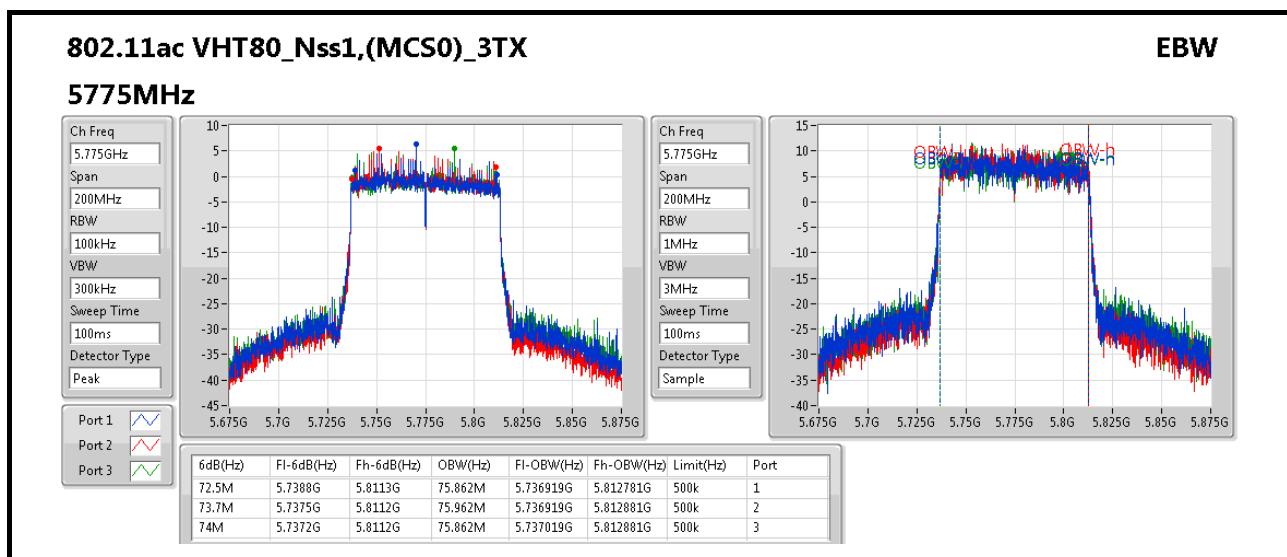


802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

5690MHz Straddle 5.725-5.85GHz







<For Beamforming Mode>

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	20.9M	17.641M	17M6D1D	20.5M	17.591M
5.25-5.35GHz	20.7M	17.641M	17M6D1D	20.3M	17.591M
5.47-5.725GHz	20.625M	17.616M	17M6D1D	15.075M	13.768M
5.725-5.85GHz	17.575M	17.641M	17M6D1D	3.76M	3.958M
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	40.2M	36.032M	36M0D1D	39.55M	35.882M
5.25-5.35GHz	39.9M	36.032M	36M0D1D	39.65M	35.932M
5.47-5.725GHz	40M	36.032M	36M0D1D	34.405M	32.779M
5.725-5.85GHz	35.35M	36.082M	36M1D1D	2.92M	3.478M
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	86.1M	75.762M	75M8D1D	85.1M	75.662M
5.25-5.35GHz	89.3M	75.862M	75M9D1D	84M	75.662M
5.47-5.725GHz	86.8M	75.862M	75M9D1D	76.575M	72.414M
5.725-5.85GHz	75.1M	75.862M	75M9D1D	3.18M	6.597M

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)
802.11ac VHT20-BF_Nss1,(MCS0)_3 TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.85M	17.616M	20.55M	17.591M	20.5M	17.616M
5200MHz	Pass	Inf	20.625M	17.616M	20.775M	17.616M	20.65M	17.616M
5240MHz	Pass	Inf	20.6M	17.641M	20.9M	17.591M	20.625M	17.616M
5260MHz	Pass	Inf	20.55M	17.591M	20.5M	17.641M	20.6M	17.616M
5300MHz	Pass	Inf	20.5M	17.616M	20.55M	17.616M	20.3M	17.591M
5320MHz	Pass	Inf	20.65M	17.616M	20.5M	17.616M	20.7M	17.591M
5500MHz	Pass	Inf	20.325M	17.616M	20.375M	17.616M	20.425M	17.566M
5580MHz	Pass	Inf	20.475M	17.591M	20.625M	17.591M	20.5M	17.591M
5700MHz	Pass	Inf	15.575M	13.818M	15.225M	13.818M	15.075M	13.768M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.225M	13.808M	15.225M	13.778M	15.12M	13.778M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.82M	3.958M	3.76M	3.998M	3.78M	3.978M
5745MHz	Pass	500k	17.525M	17.616M	17.55M	17.641M	17.525M	17.616M
5785MHz	Pass	500k	17.525M	17.616M	17.125M	17.641M	17.55M	17.616M
5825MHz	Pass	500k	17.525M	17.616M	17.575M	17.616M	17.55M	17.616M
802.11ac VHT40-BF_Nss1,(MCS0)_3 TX	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.55M	35.982M	39.65M	35.882M	40.2M	35.932M
5230MHz	Pass	Inf	39.85M	35.982M	39.8M	35.982M	39.95M	36.032M
5270MHz	Pass	Inf	39.7M	35.932M	39.65M	35.932M	39.7M	36.032M
5310MHz	Pass	Inf	39.7M	35.932M	39.8M	35.932M	39.9M	35.932M
5510MHz	Pass	Inf	39.85M	35.982M	39.65M	35.982M	39.85M	35.982M
5550MHz	Pass	Inf	39.6M	35.932M	39.4M	35.882M	40M	35.982M
5670MHz	Pass	Inf	39.35M	35.932M	39.35M	35.932M	39.55M	36.032M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.51M	32.884M	34.44M	32.779M	34.405M	32.779M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	2.92M	3.498M	3.18M	3.478M	3.2M	3.498M
5755MHz	Pass	500k	35.3M	35.982M	35.05M	35.932M	31.25M	35.982M
5795MHz	Pass	500k	35.35M	36.082M	33.75M	35.982M	30.4M	36.032M
802.11ac VHT80-BF_Nss1,(MCS0)_3 TX	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	85.1M	75.762M	86.1M	75.662M	85.4M	75.662M
5290MHz	Pass	Inf	87.1M	75.662M	84M	75.662M	89.3M	75.862M
5530MHz	Pass	Inf	85.2M	75.762M	85.3M	75.862M	85M	75.762M
5610MHz	Pass	Inf	85.3M	75.762M	86.2M	75.562M	86.8M	75.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.575M	72.414M	77.25M	72.564M	77.925M	72.639M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	7.536M	3.18M	6.597M	3.18M	7.216M
5775MHz	Pass	500k	75.1M	75.862M	75M	75.562M	75M	75.762M

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



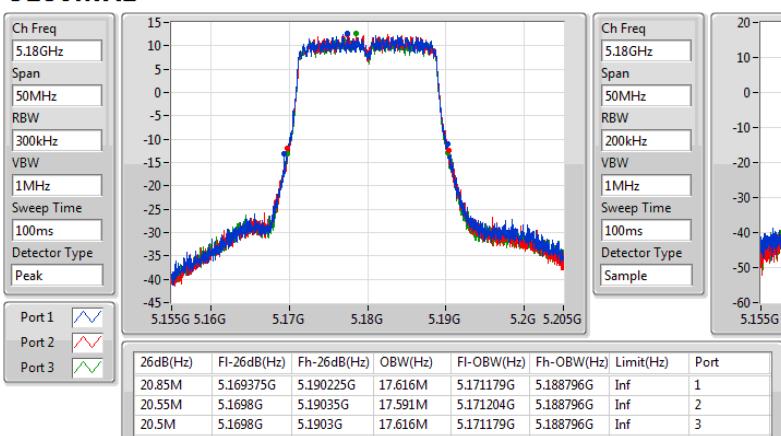
Port X-OBW = Port X 99% occupied bandwidth;



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

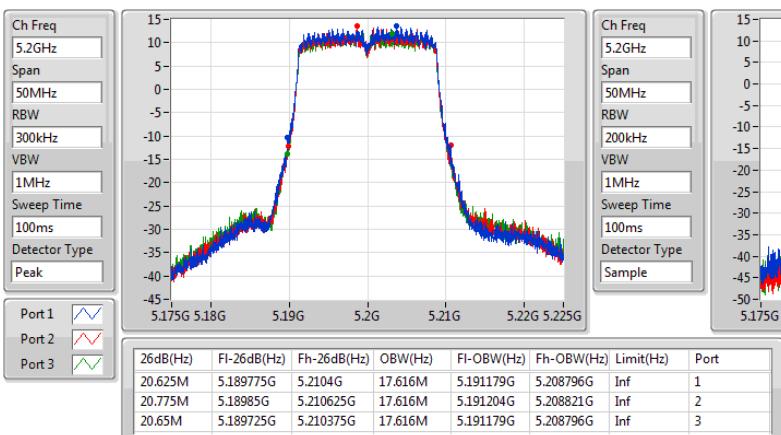
5180MHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

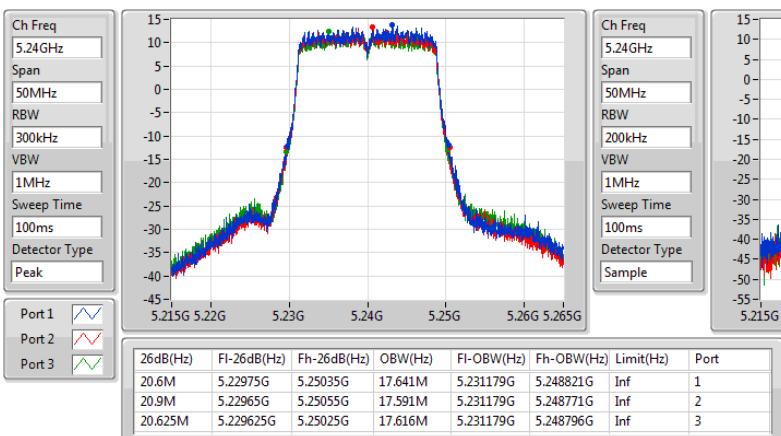
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802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

5240MHz

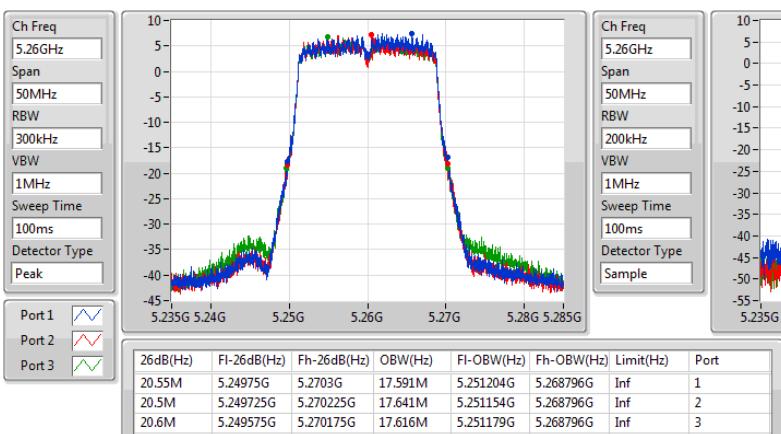




802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

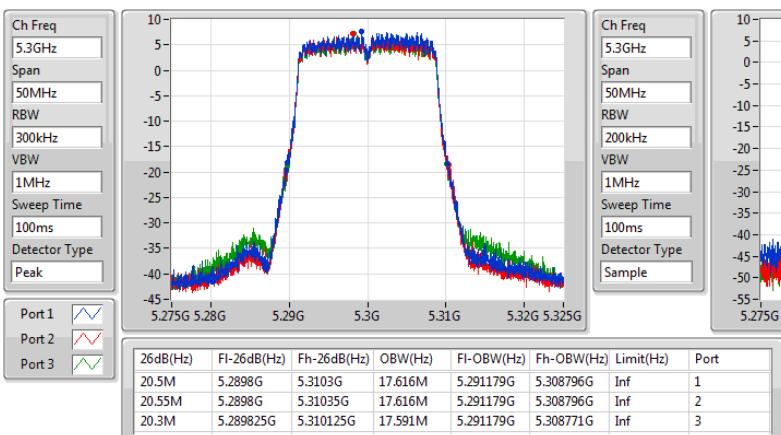
5260MHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

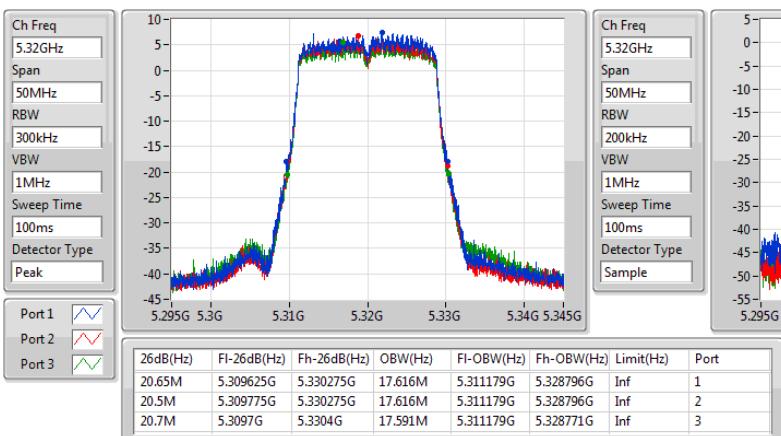
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802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

5320MHz

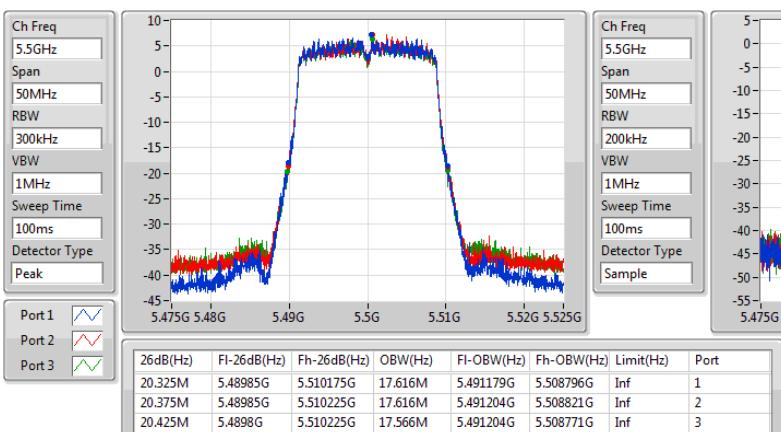




802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

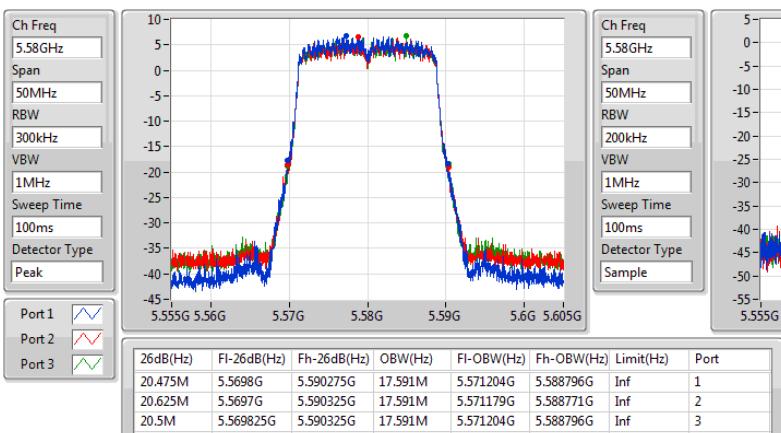
5500MHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

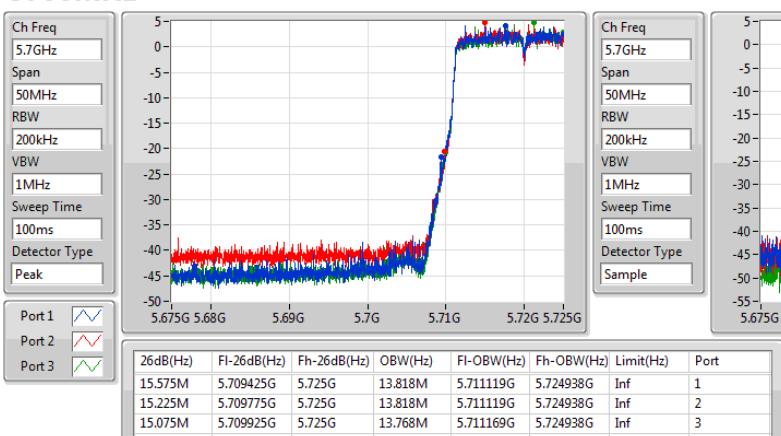
5580MHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

5700MHz

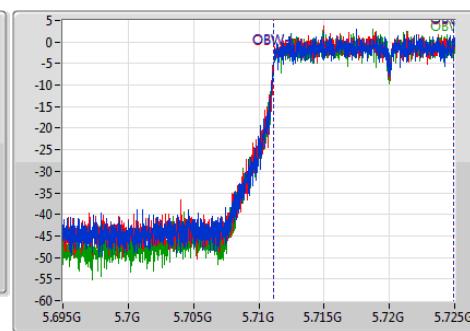
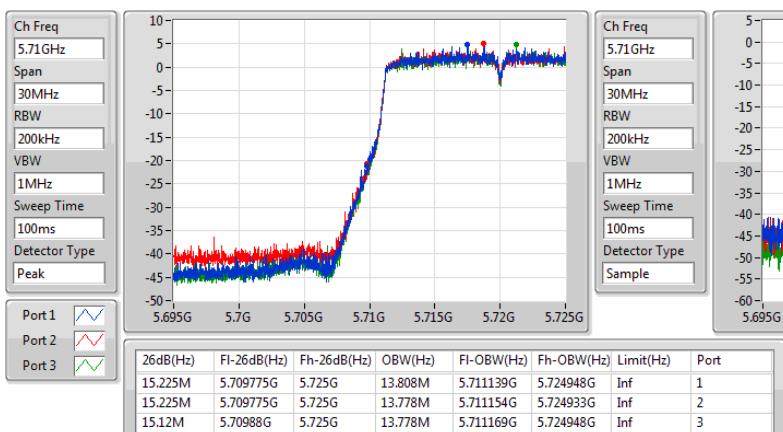




802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

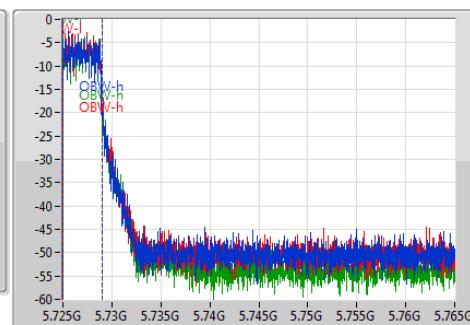
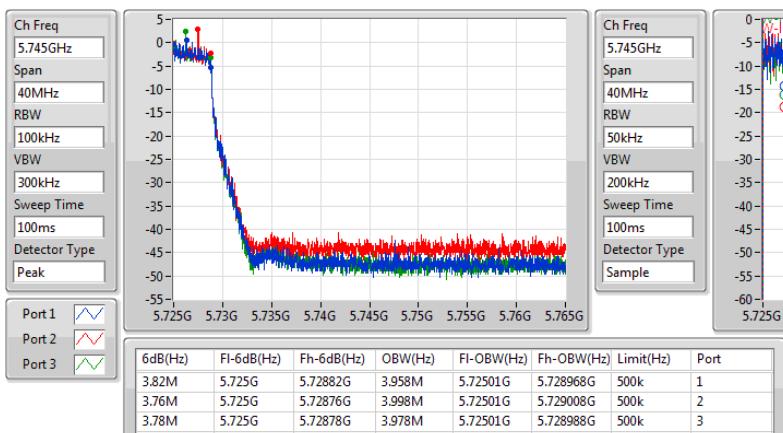
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

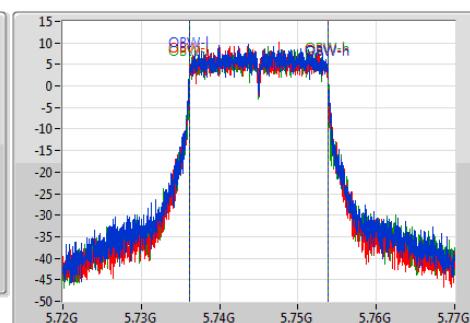
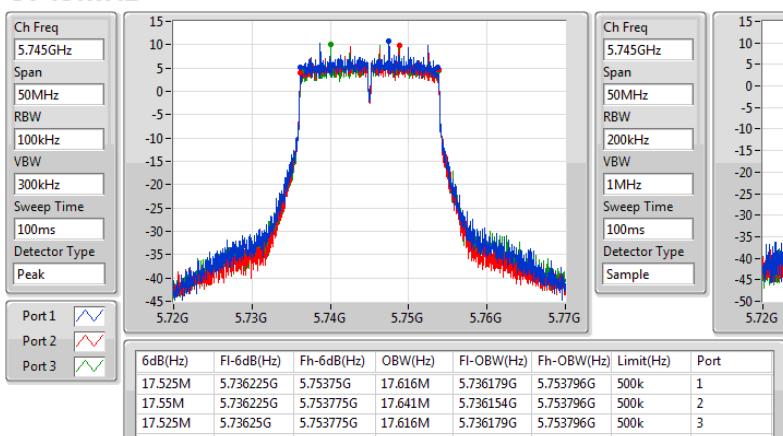
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

5745MHz

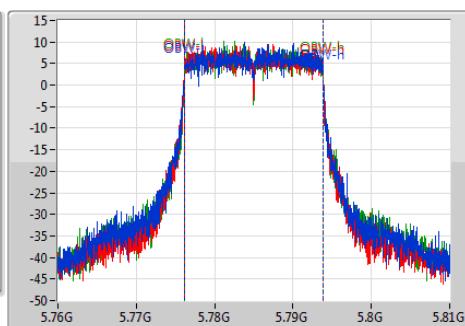
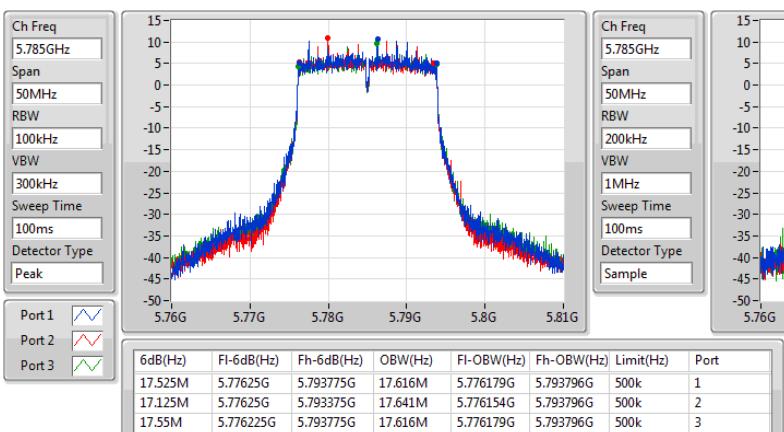




802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

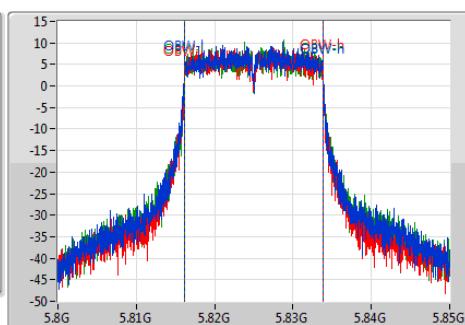
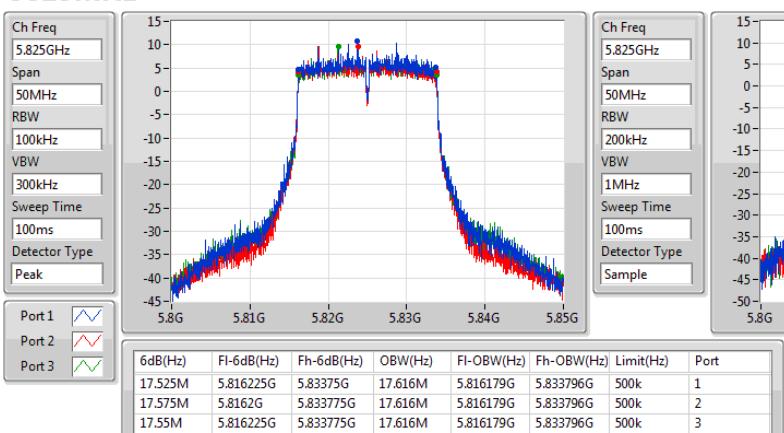
5785MHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

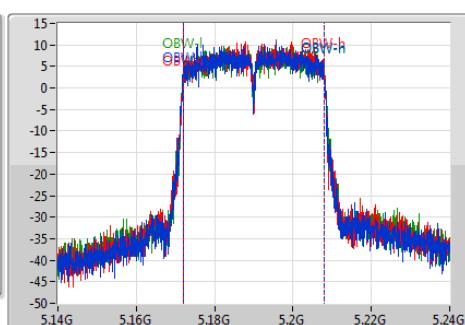
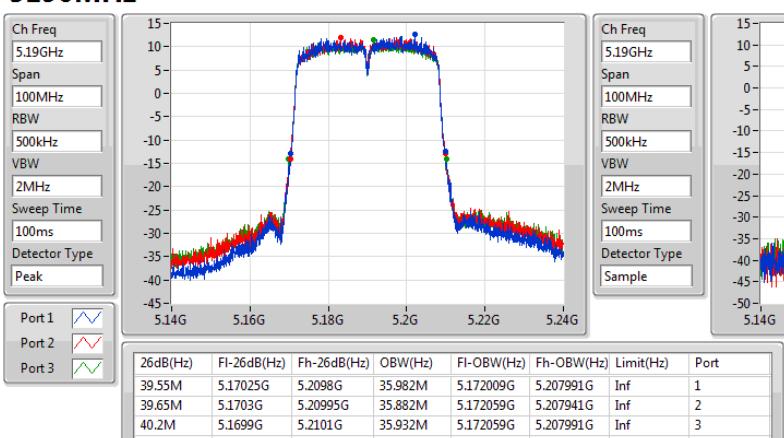
5825MHz



802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

5190MHz

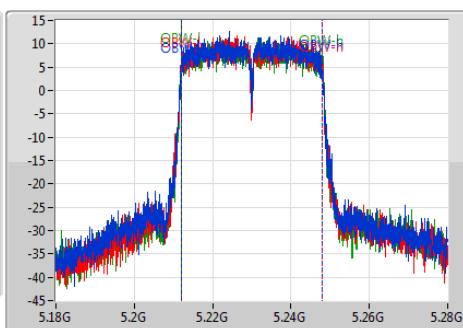
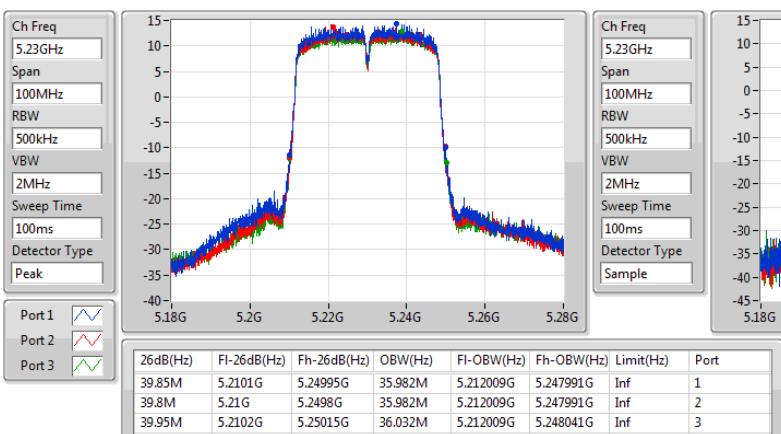




802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

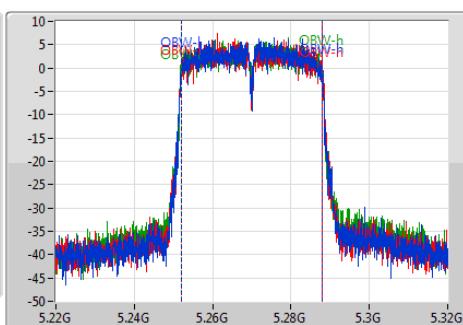
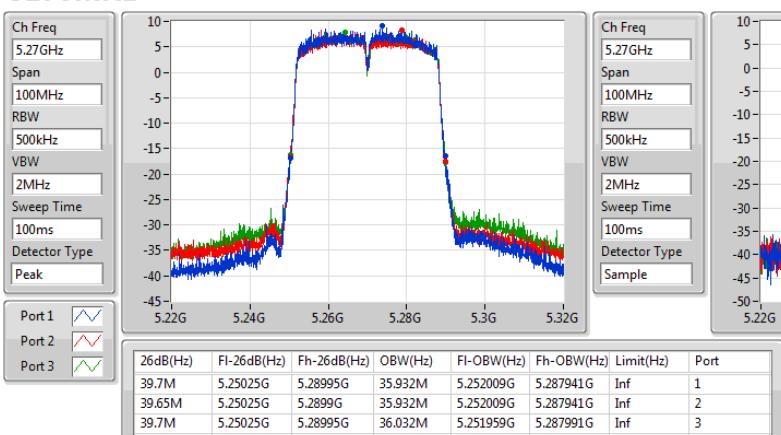
5230MHz



802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

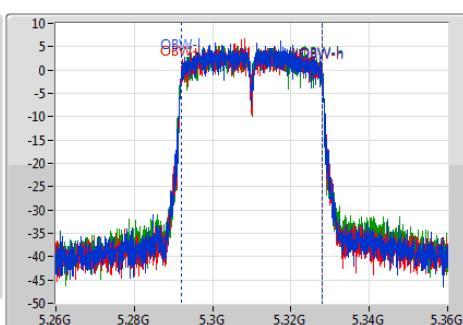
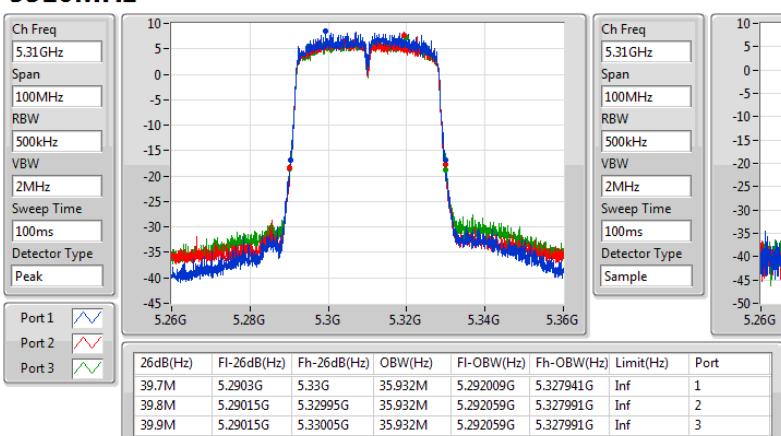
5270MHz



802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

5310MHz

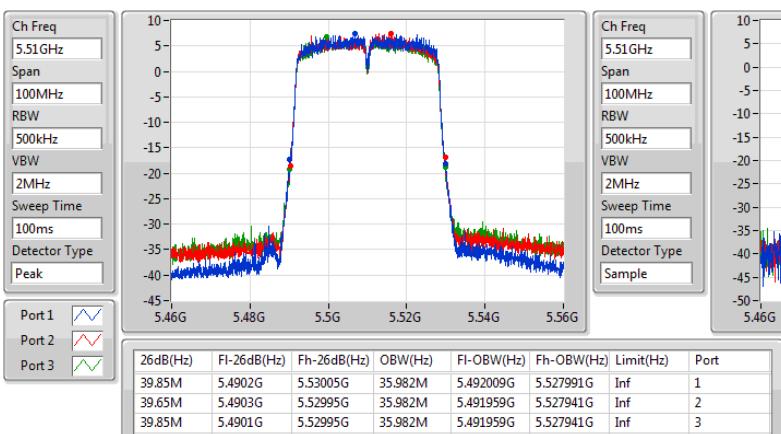




802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

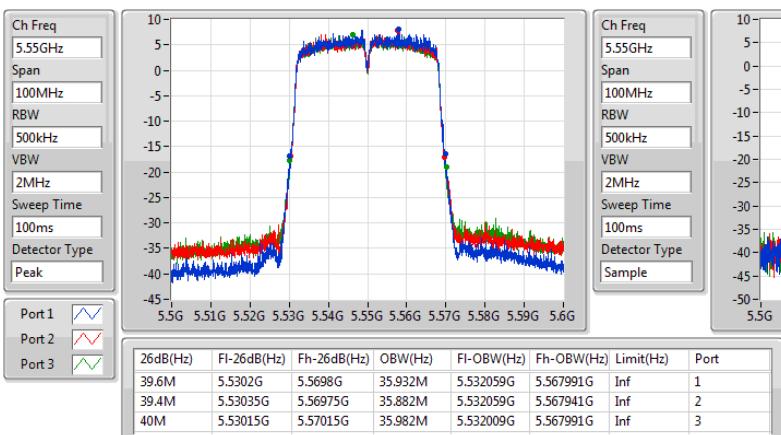
5510MHz



802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

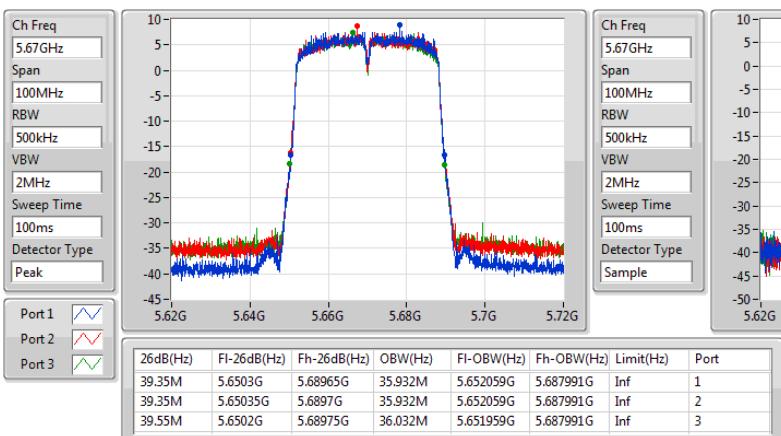
5550MHz



802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

5670MHz

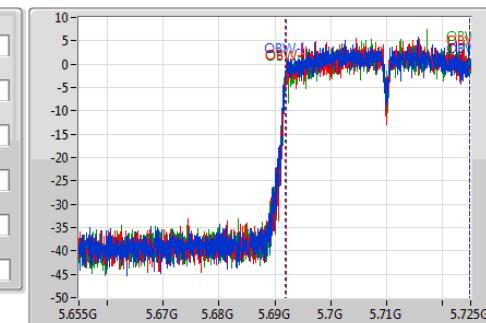
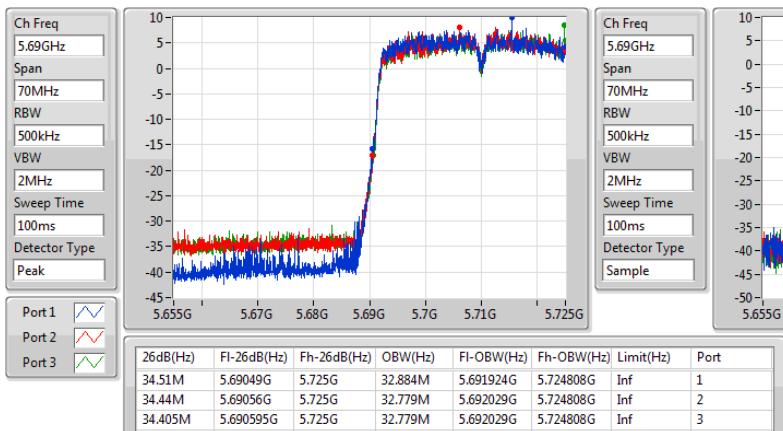




802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

5710MHz Straddle 5.47-5.725GHz

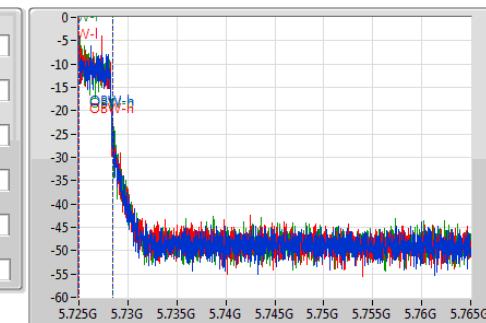
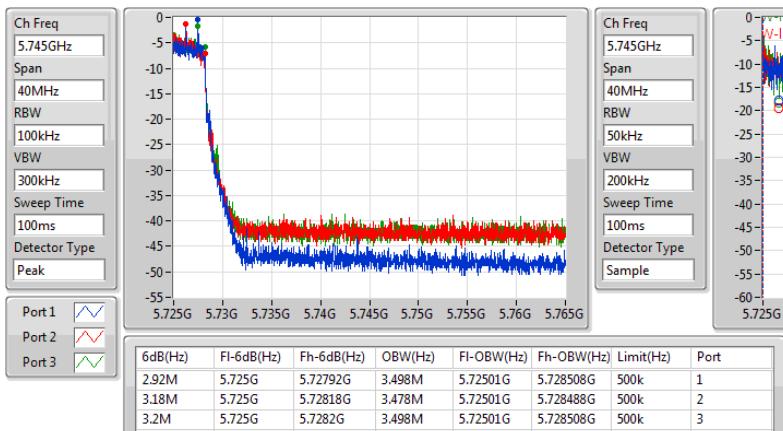


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.51M	5.69049G	5.725G	32.884M	5.691924G	5.724808G	Inf	1
34.44M	5.69056G	5.725G	32.779M	5.692029G	5.724808G	Inf	2
34.405M	5.690595G	5.725G	32.779M	5.692029G	5.724808G	Inf	3

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

5710MHz Straddle 5.725-5.85GHz

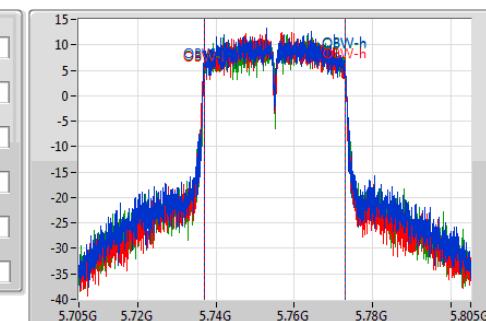
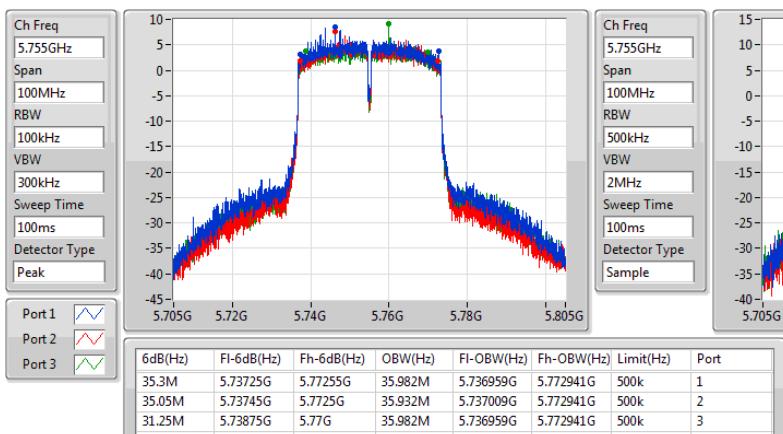


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.92M	5.725G	5.72792G	3.498M	5.72501G	5.728508G	500k	1
3.18M	5.725G	5.72818G	3.478M	5.72501G	5.728488G	500k	2
3.2M	5.725G	5.72822G	3.498M	5.72501G	5.728508G	500k	3

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

5755MHz



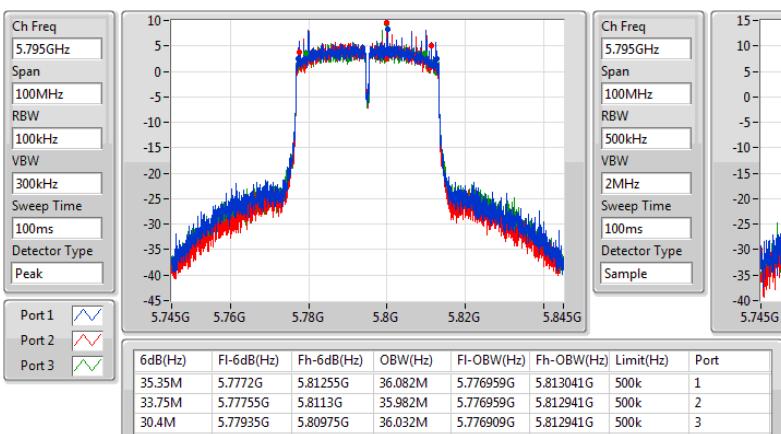
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.3M	5.73725G	5.77255G	35.982M	5.736959G	5.772941G	500k	1
35.05M	5.73745G	5.7725G	35.932M	5.737009G	5.772941G	500k	2
31.25M	5.73875G	5.77G	35.982M	5.736959G	5.772941G	500k	3



802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

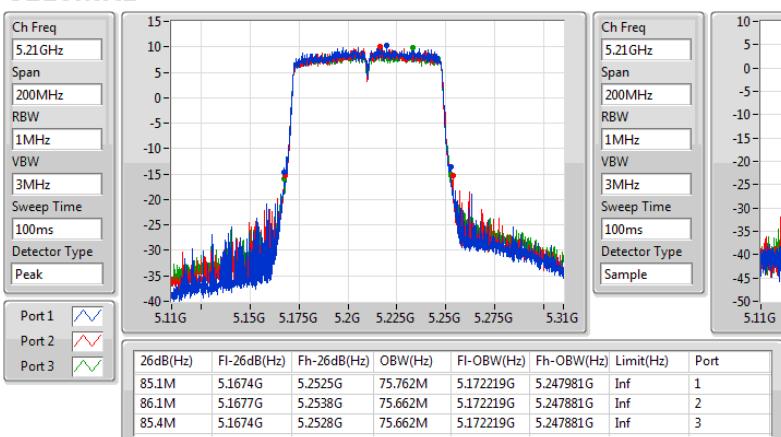
5795MHz



802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

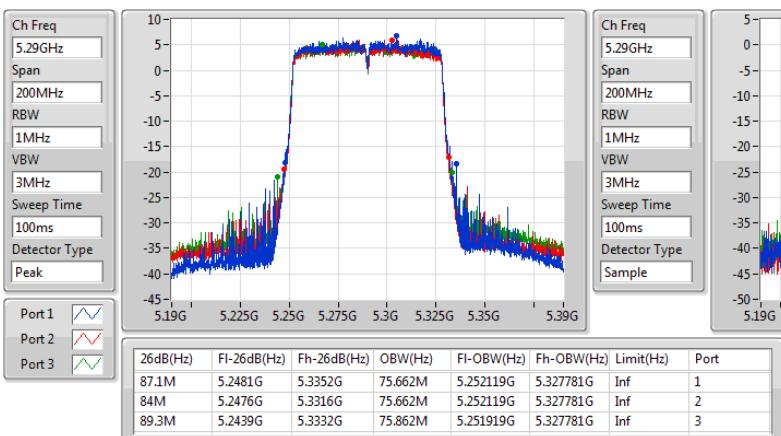
5210MHz



802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

5290MHz

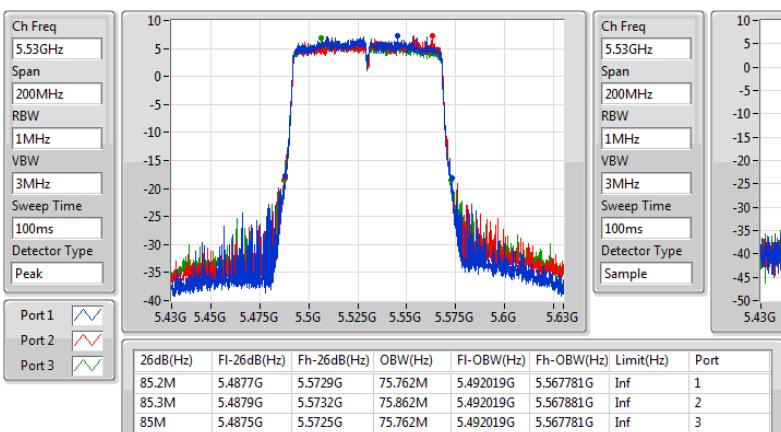




802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

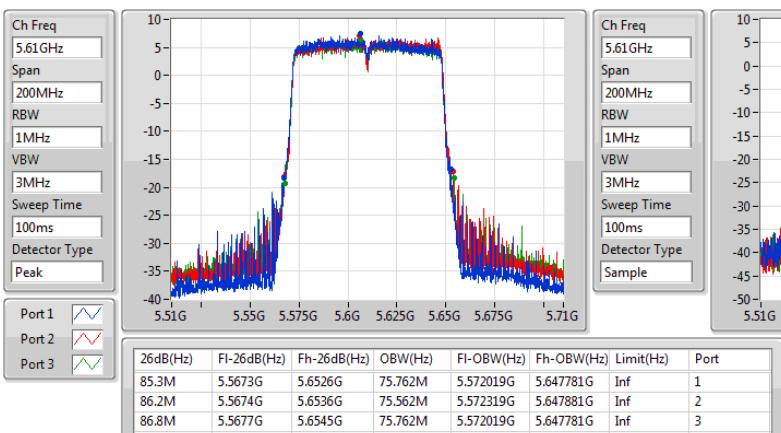
5530MHz



802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

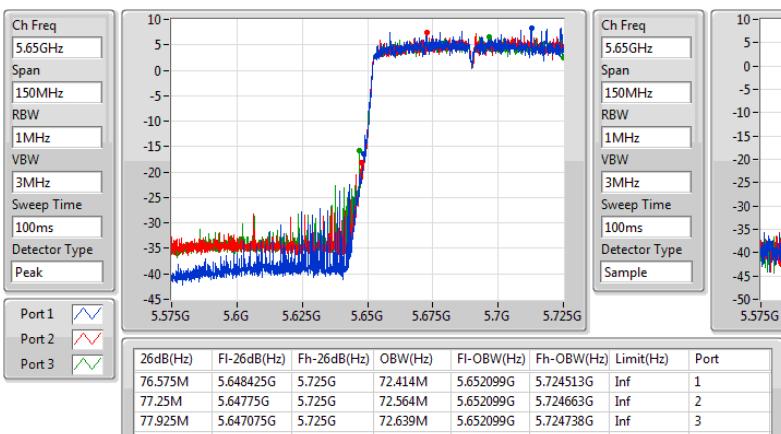
5610MHz



802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

5690MHz Straddle 5.47-5.725GHz

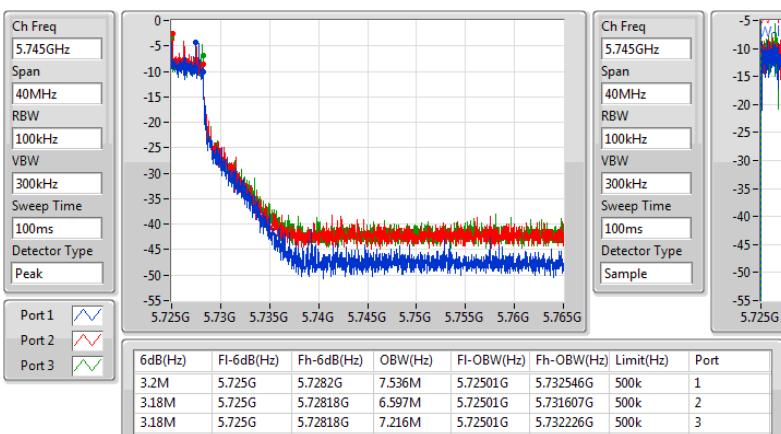




802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

5690MHz Straddle 5.725-5.85GHz

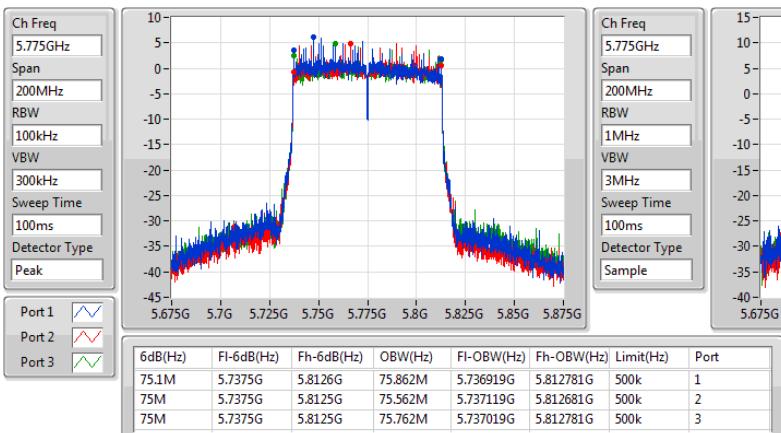


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.2M	5.725G	5.7282G	7.536M	5.72501G	5.732546G	500k	1
3.18M	5.725G	5.72818G	6.597M	5.72501G	5.731607G	500k	2
3.18M	5.725G	5.72818G	7.216M	5.72501G	5.732226G	500k	3

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.1M	5.7375G	5.8126G	75.862M	5.736919G	5.812781G	500k	1
75M	5.7375G	5.8125G	75.562M	5.737119G	5.812681G	500k	2
75M	5.7375G	5.8125G	75.762M	5.737019G	5.812781G	500k	3



For Set 3 antennas / 1TX:

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-	-
5.15-5.25GHz	42.2M	23.813M	23M8D1D	19.325M	16.392M
5.25-5.35GHz	19.725M	16.417M	16M4D1D	19.65M	16.392M
5.47-5.725GHz	19.9M	16.417M	16M4D1D	14.82M	13.193M
5.725-5.85GHz	16.3M	16.442M	16M4D1D	3.14M	3.438M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	42.925M	22.364M	22M4D1D	20.85M	17.616M
5.25-5.35GHz	20.775M	17.616M	17M6D1D	20.5M	17.591M
5.47-5.725GHz	21.1M	17.641M	17M6D1D	15.255M	13.808M
5.725-5.85GHz	17.525M	17.666M	17M7D1D	3.76M	3.978M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	40.15M	36.032M	36M0D1D	39.75M	35.982M
5.25-5.35GHz	40.05M	35.982M	36M0D1D	39.65M	35.932M
5.47-5.725GHz	40.05M	35.932M	35M9D1D	35.035M	32.849M
5.725-5.85GHz	36.25M	64.868M	64M9D1D	3.14M	3.658M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	85.7M	75.662M	75M7D1D	85.7M	75.662M
5.25-5.35GHz	85.9M	75.762M	75M8D1D	85.9M	75.762M
5.47-5.725GHz	85.4M	75.762M	75M8D1D	77.7M	72.564M
5.725-5.85GHz	75.4M	76.062M	76M1D1D	3.12M	5.877M

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;



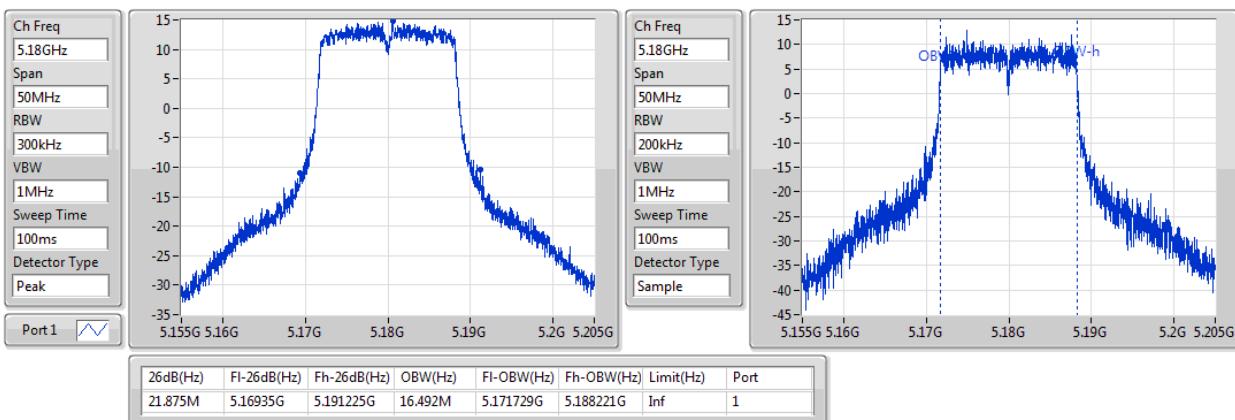
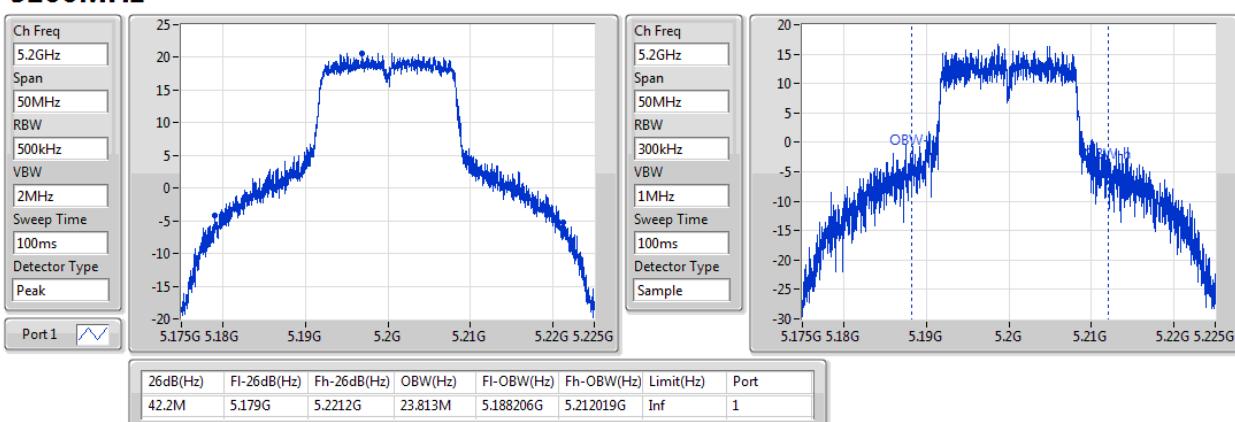
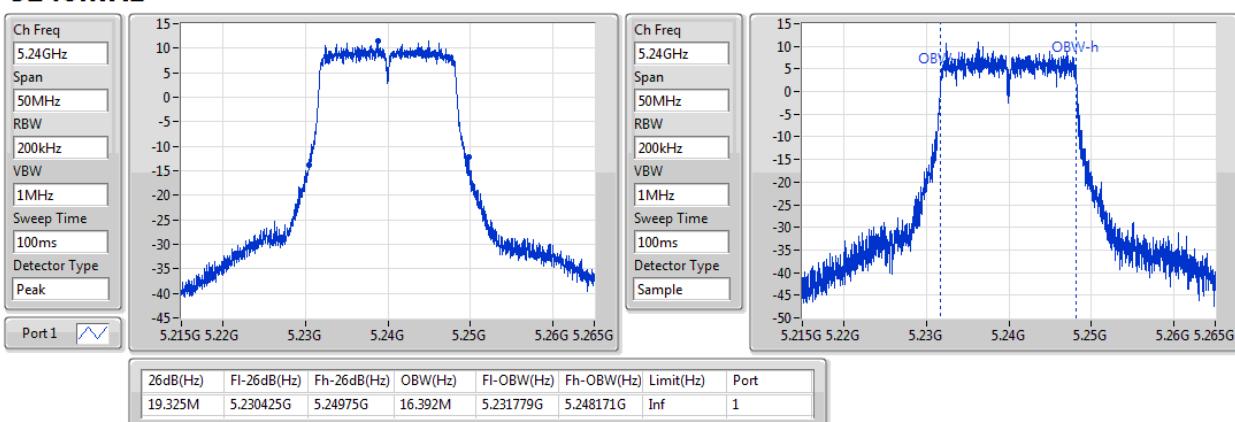
Result

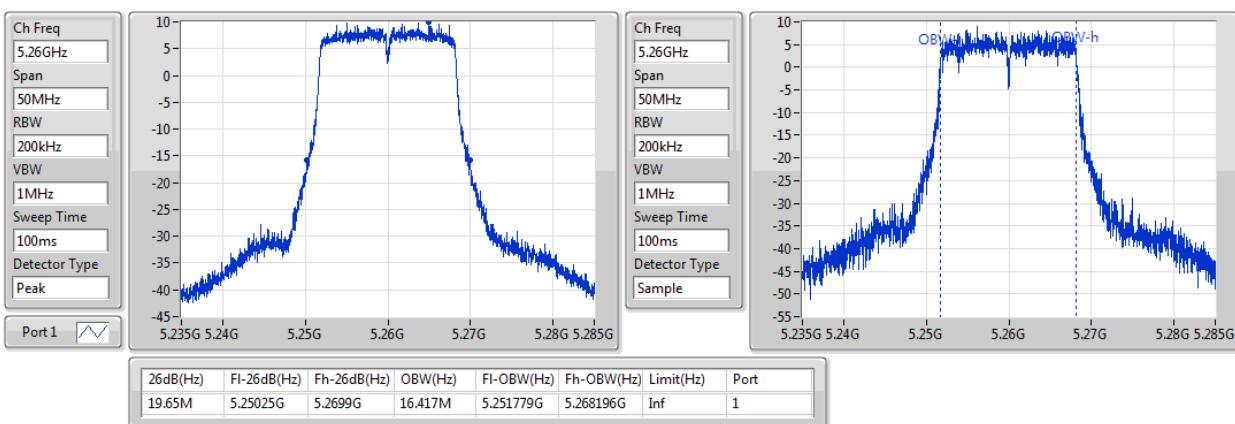
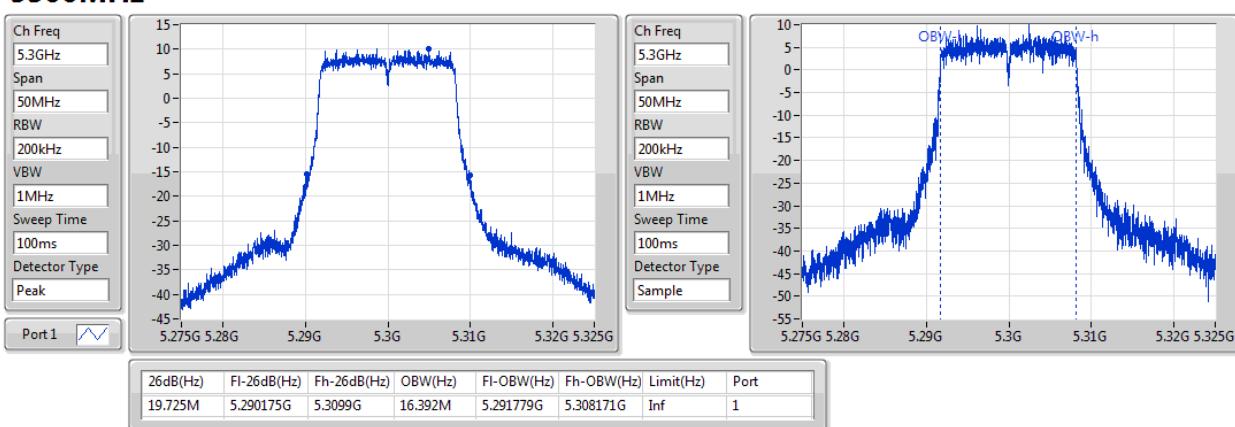
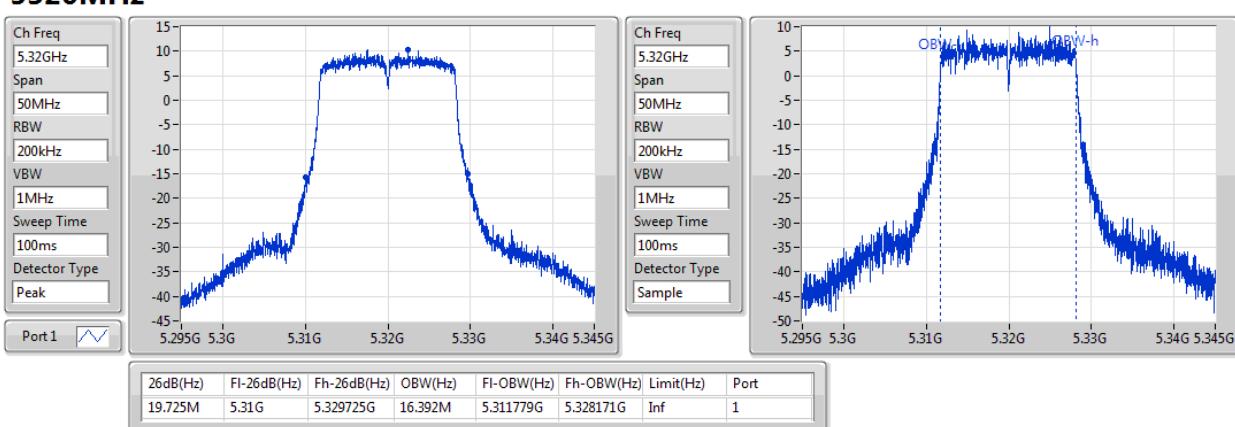
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.875M	16.492M
5200MHz	Pass	Inf	42.2M	23.813M
5240MHz	Pass	Inf	19.325M	16.392M
5260MHz	Pass	Inf	19.65M	16.417M
5300MHz	Pass	Inf	19.725M	16.392M
5320MHz	Pass	Inf	19.725M	16.392M
5500MHz	Pass	Inf	19.475M	16.417M
5580MHz	Pass	Inf	19.9M	16.417M
5700MHz	Pass	Inf	19.475M	16.392M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.82M	13.193M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.438M
5745MHz	Pass	500k	16.3M	16.417M
5785MHz	Pass	500k	16.3M	16.417M
5825MHz	Pass	500k	16.3M	16.442M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.975M	17.666M
5200MHz	Pass	Inf	42.925M	22.364M
5240MHz	Pass	Inf	20.85M	17.616M
5260MHz	Pass	Inf	20.5M	17.616M
5300MHz	Pass	Inf	20.775M	17.616M
5320MHz	Pass	Inf	20.6M	17.591M
5500MHz	Pass	Inf	20.6M	17.616M
5580MHz	Pass	Inf	21.1M	17.641M
5700MHz	Pass	Inf	20.95M	17.641M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.255M	13.808M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	3.978M
5745MHz	Pass	500k	17.15M	17.641M
5785MHz	Pass	500k	17.3M	17.666M
5825MHz	Pass	500k	17.525M	17.641M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	39.75M	35.982M
5230MHz	Pass	Inf	40.15M	36.032M
5270MHz	Pass	Inf	40.05M	35.932M
5310MHz	Pass	Inf	39.65M	35.982M
5510MHz	Pass	Inf	39.55M	35.932M
5550MHz	Pass	Inf	40.05M	35.882M
5670MHz	Pass	Inf	39.65M	35.932M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.035M	32.849M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.658M
5755MHz	Pass	500k	36.25M	54.673M
5795MHz	Pass	500k	33.7M	64.868M

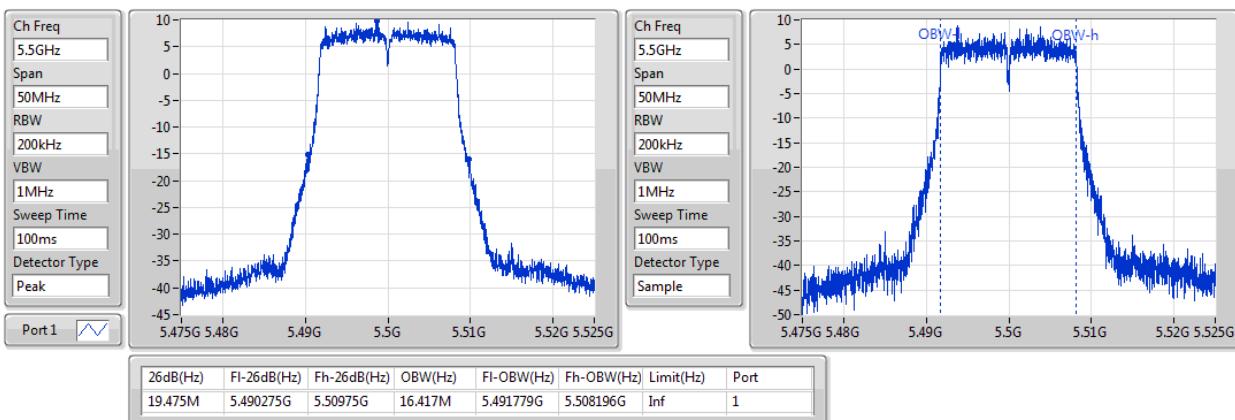
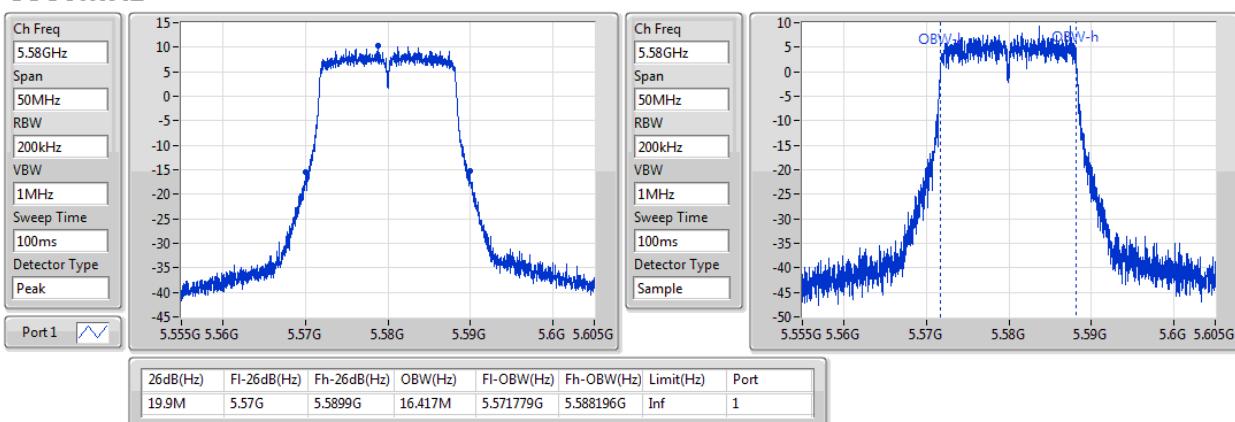
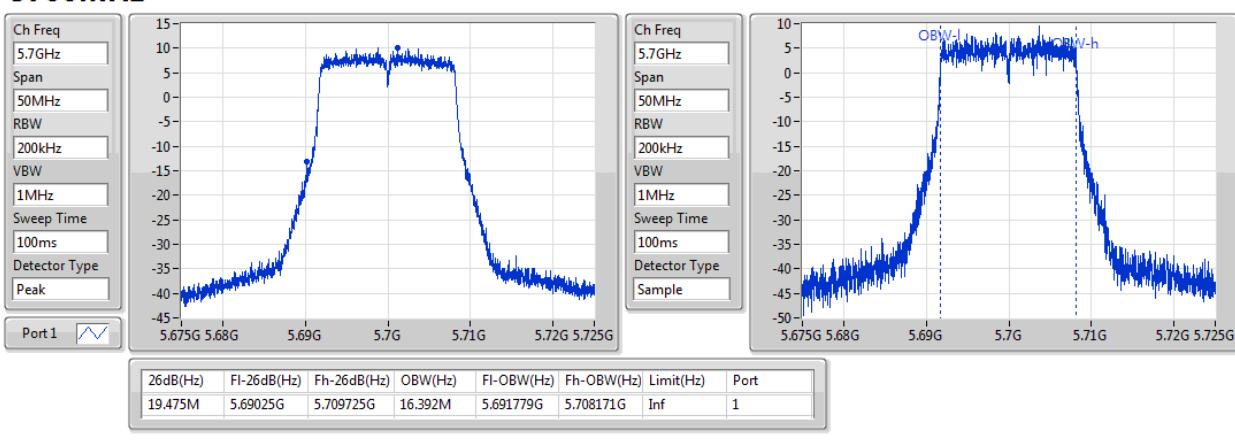
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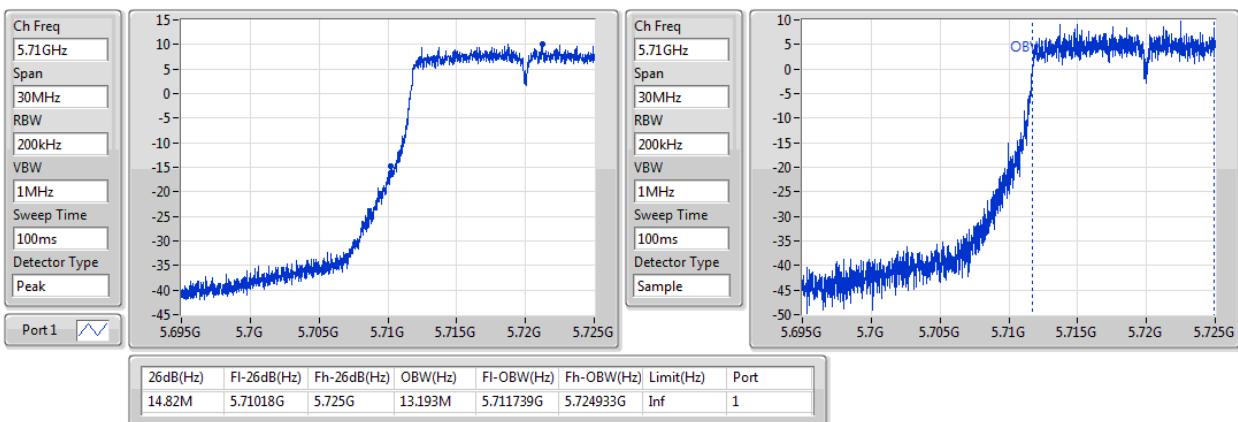
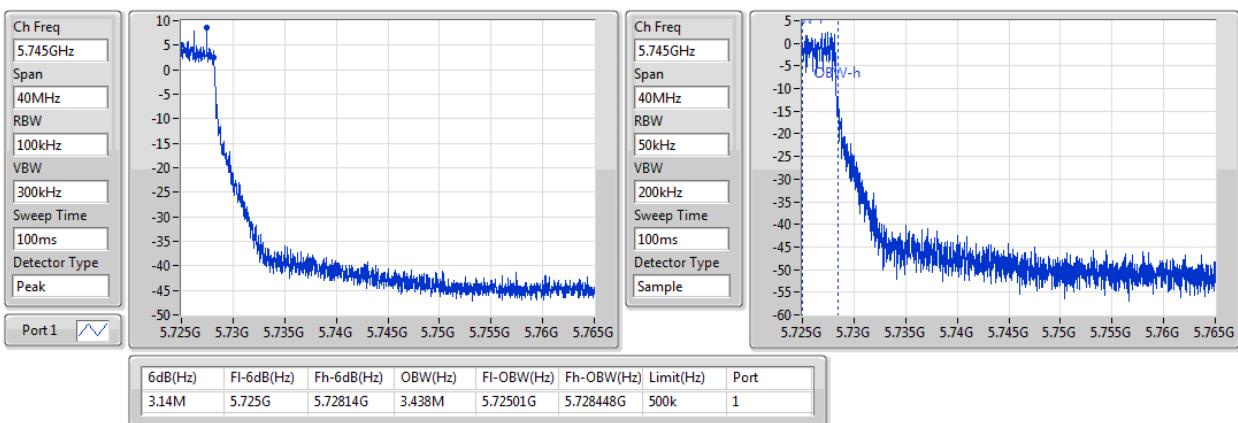
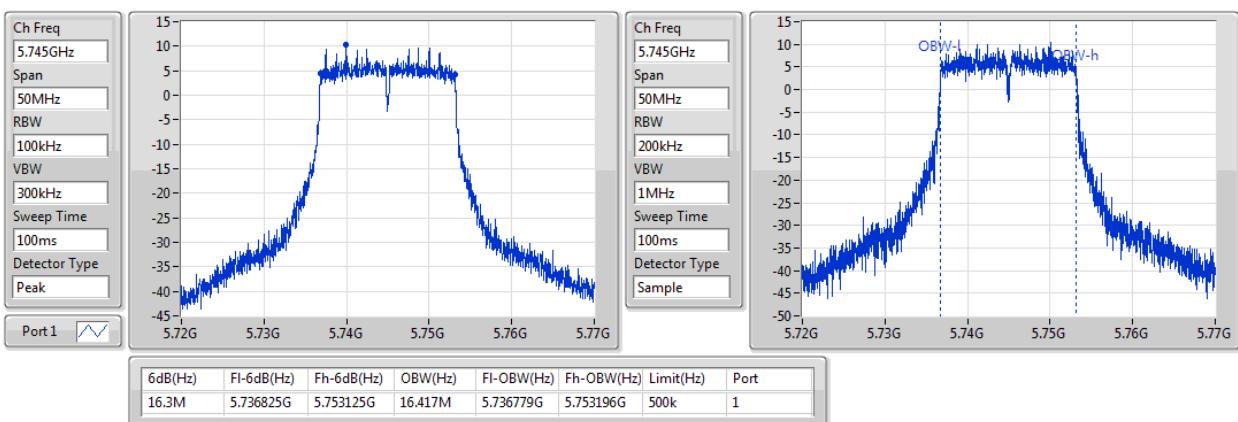
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	85.7M	75.662M
5290MHz	Pass	Inf	85.9M	75.762M
5530MHz	Pass	Inf	85.4M	75.762M
5610MHz	Pass	Inf	85.3M	75.662M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.7M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	5.877M
5775MHz	Pass	500k	75.4M	76.062M

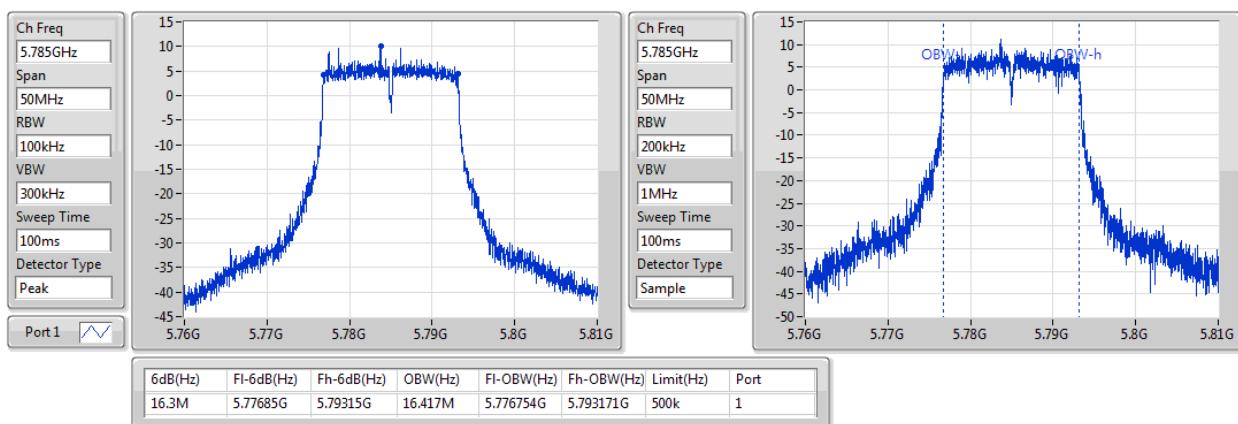
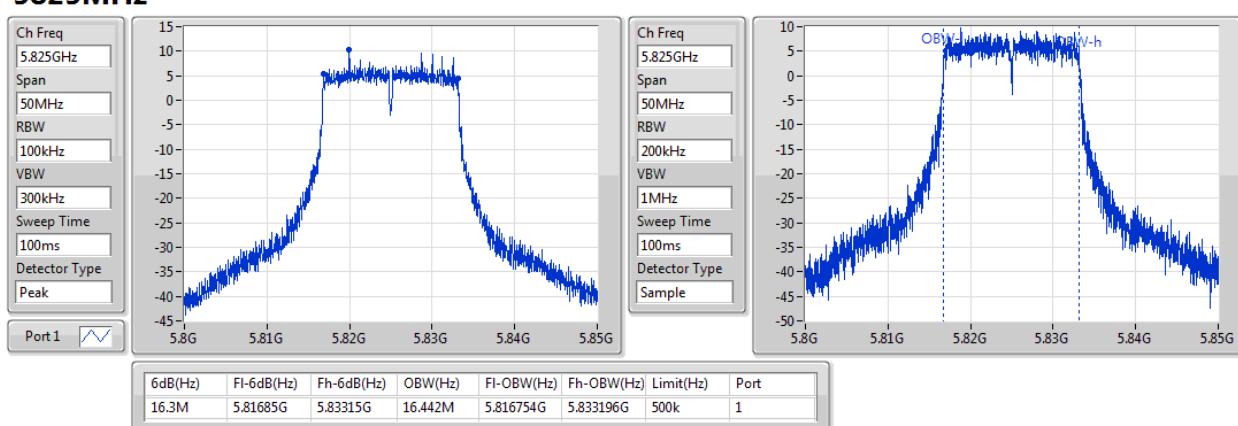
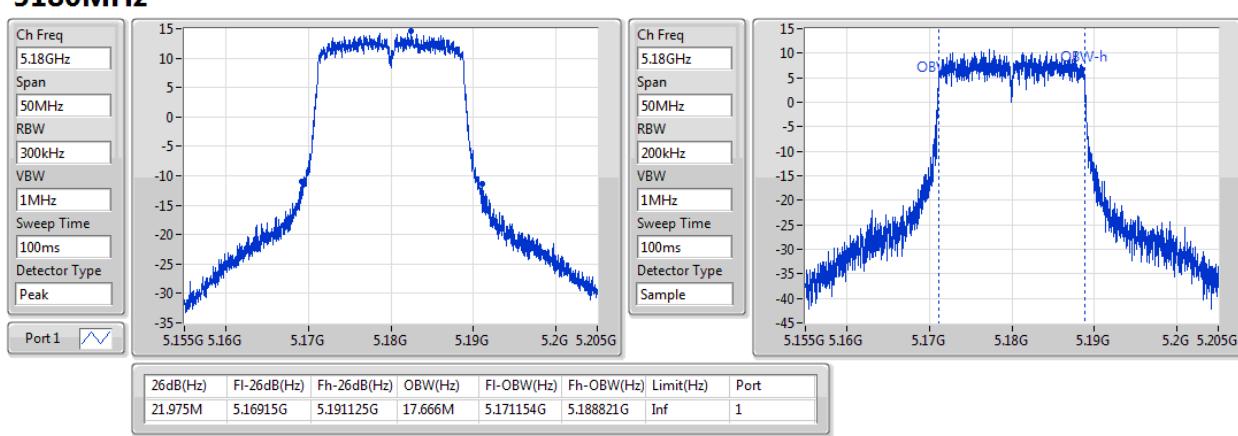
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band**Port X-OBW** = Port X 99% occupied bandwidth;

**802.11a_(6Mbps)_1TX****EBW****5180MHz****802.11a_(6Mbps)_1TX****EBW****5200MHz****802.11a_(6Mbps)_1TX****EBW****5240MHz**

**802.11a_(6Mbps)_1TX****EBW****5260MHz****802.11a_(6Mbps)_1TX****EBW****5300MHz****802.11a_(6Mbps)_1TX****EBW****5320MHz**

**802.11a_(6Mbps)_1TX****EBW****5500MHz****802.11a_(6Mbps)_1TX****EBW****5580MHz****802.11a_(6Mbps)_1TX****EBW****5700MHz**

**802.11a_(6Mbps)_1TX****EBW****5720MHz Straddle 5.47-5.725GHz****802.11a_(6Mbps)_1TX****EBW****5720MHz Straddle 5.725-5.85GHz****802.11a_(6Mbps)_1TX****EBW****5745MHz**

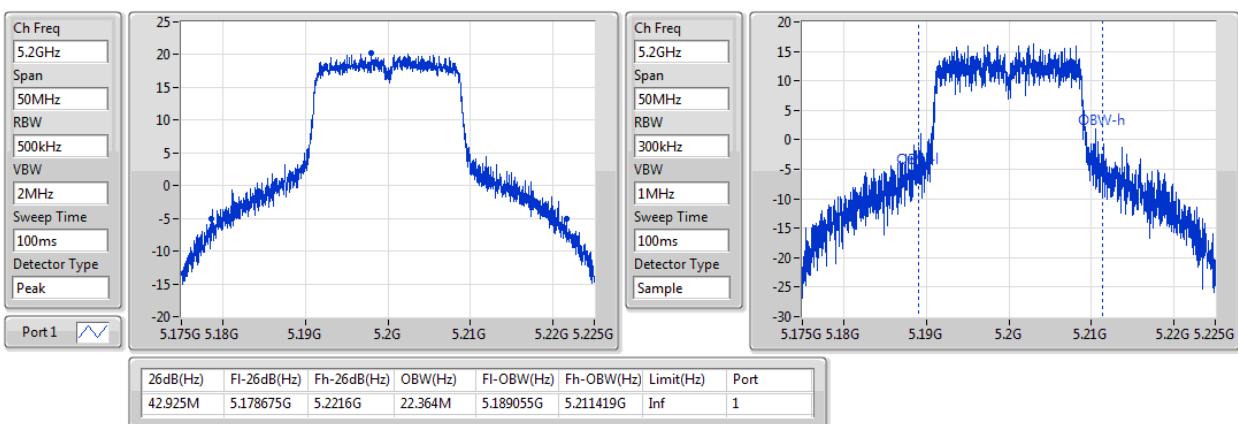
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802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

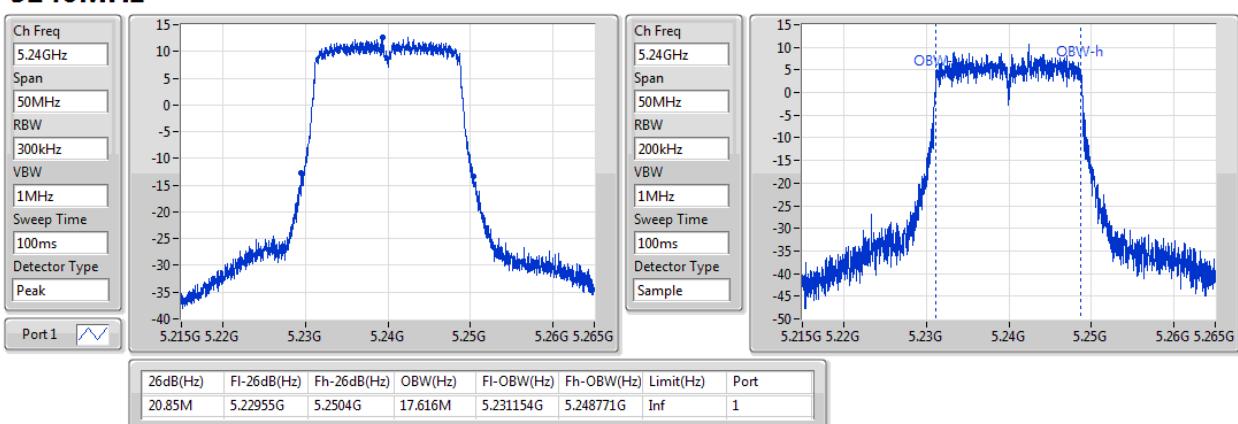
5200MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

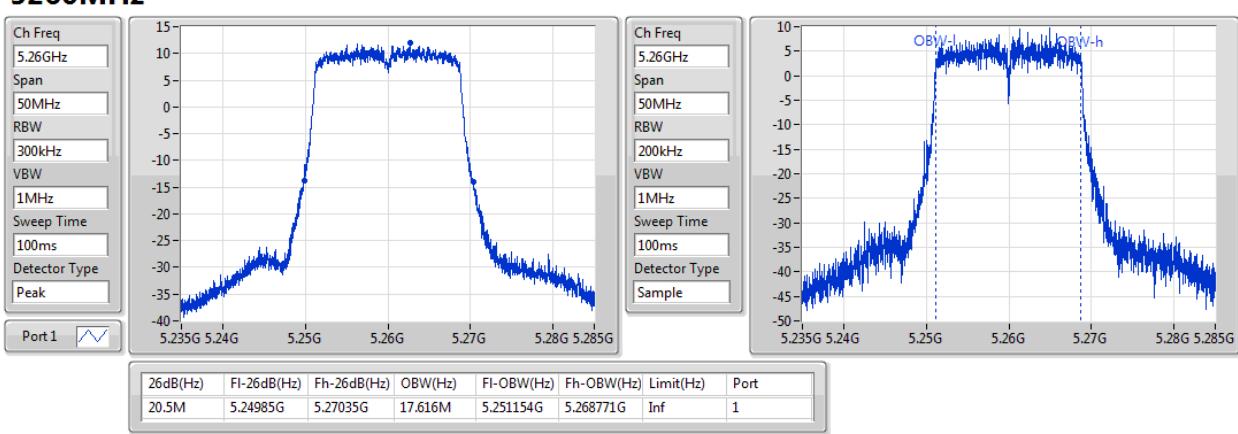
5240MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5260MHz

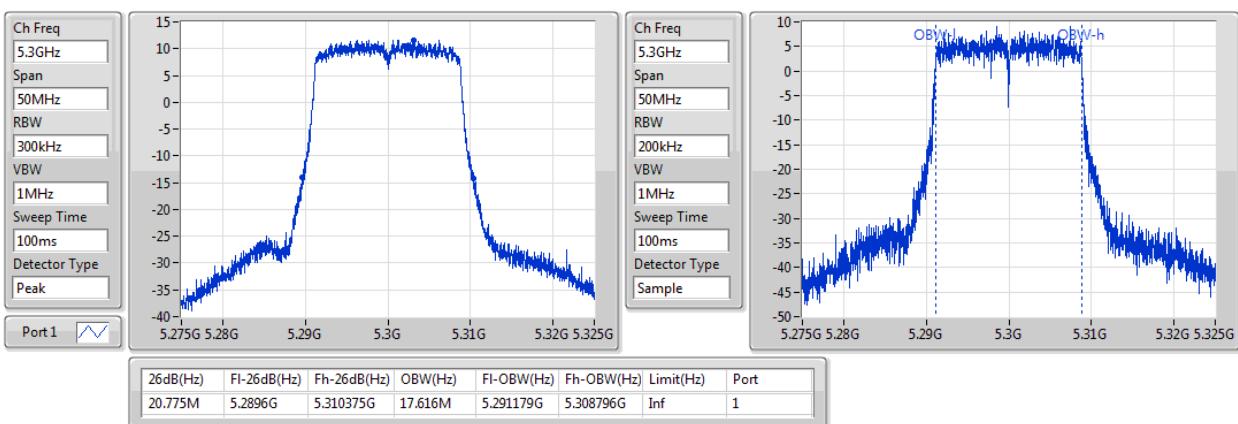




802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

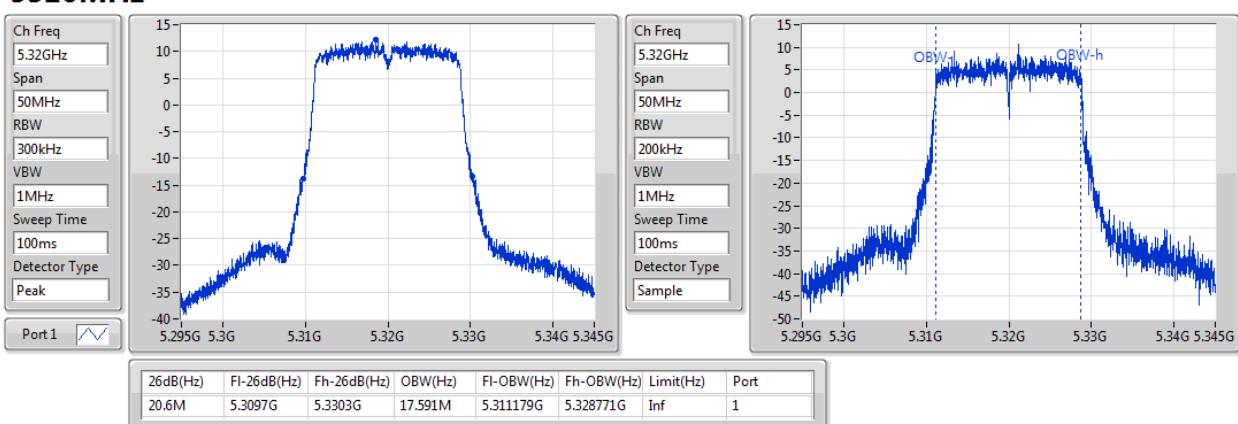
5300MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

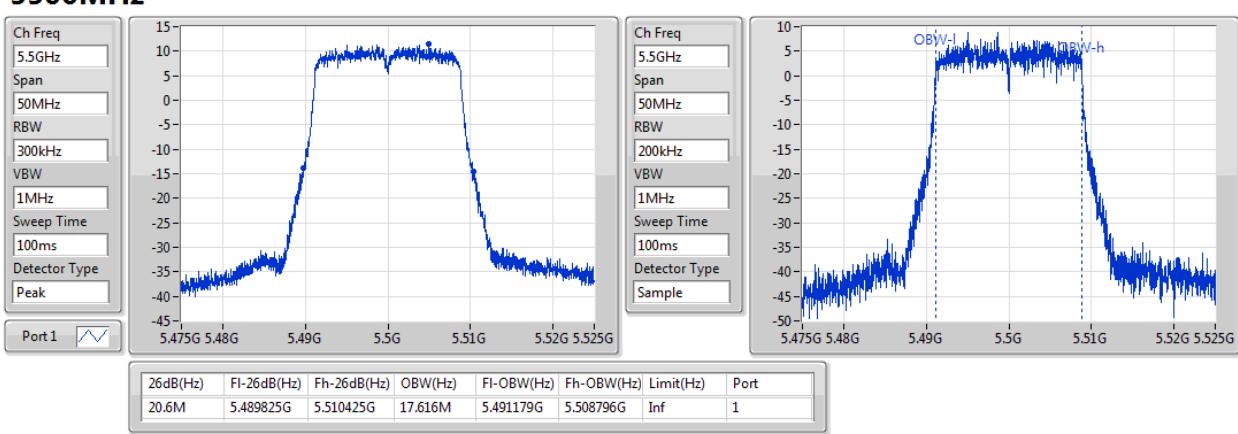
5320MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5500MHz

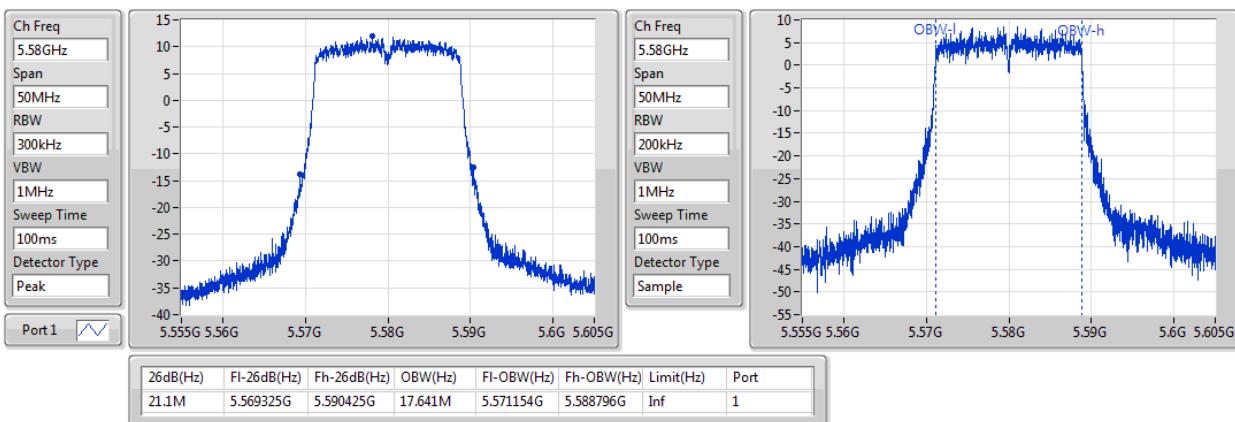




802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

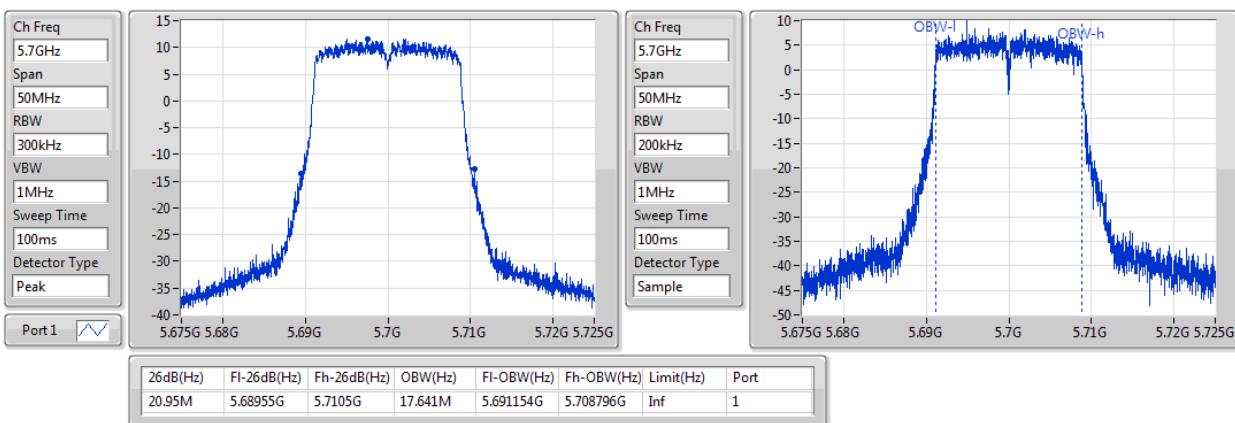
5580MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

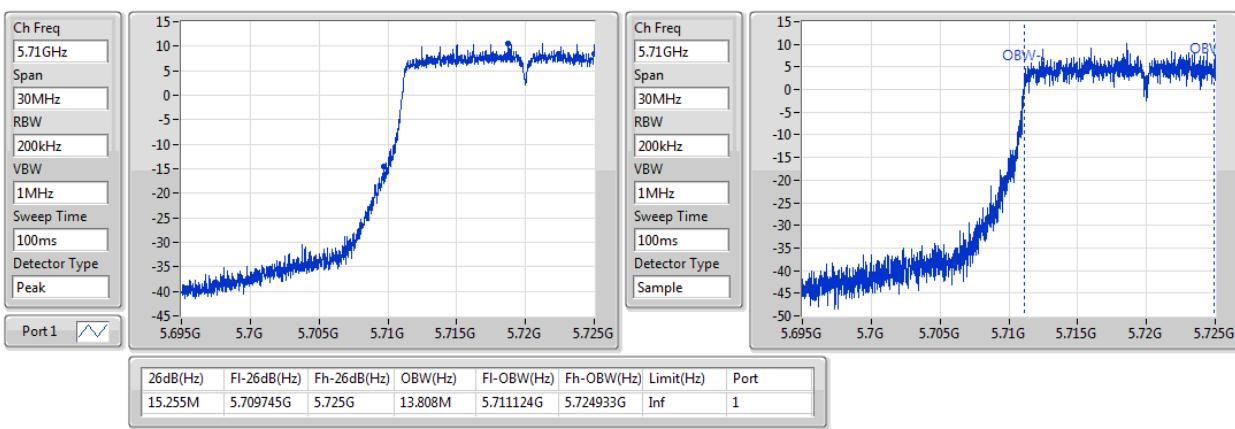
5700MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

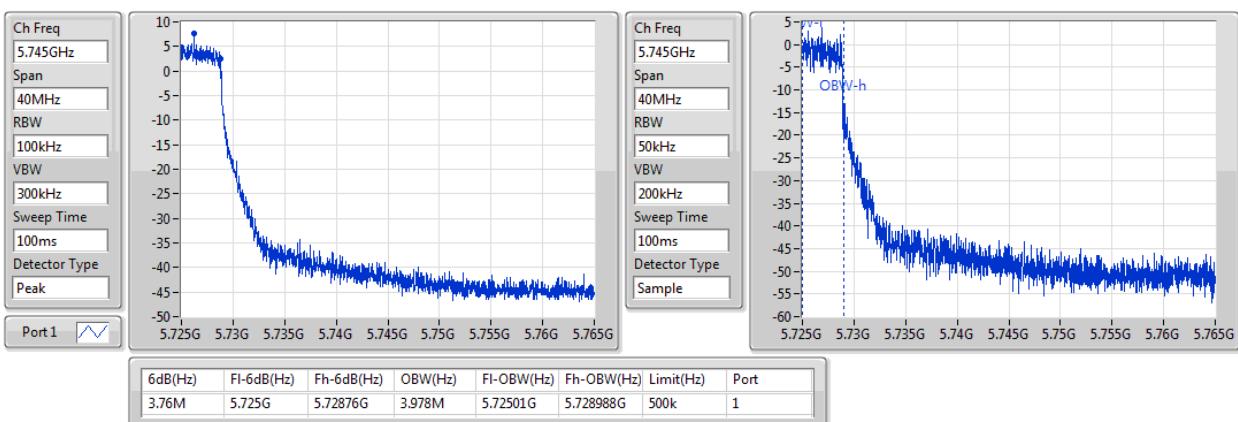




802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

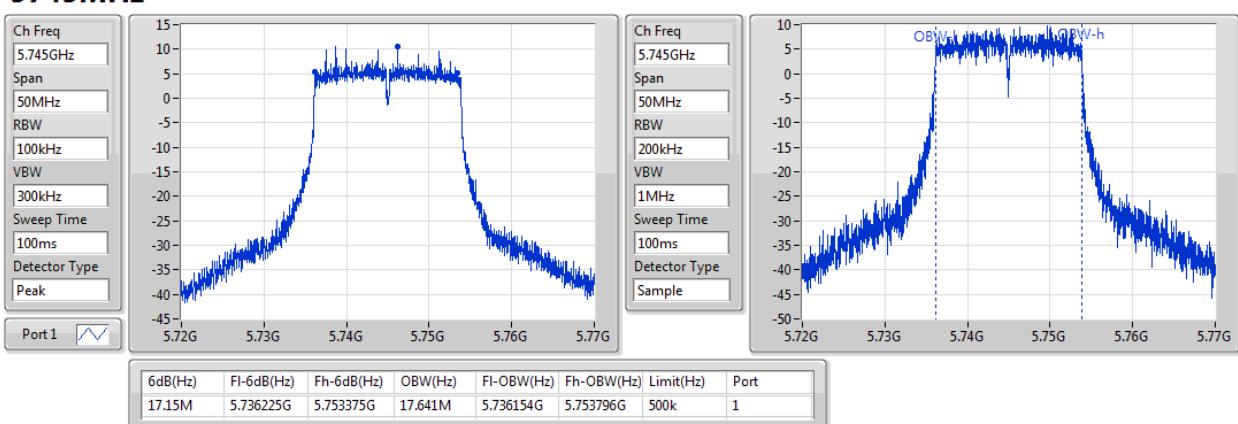
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

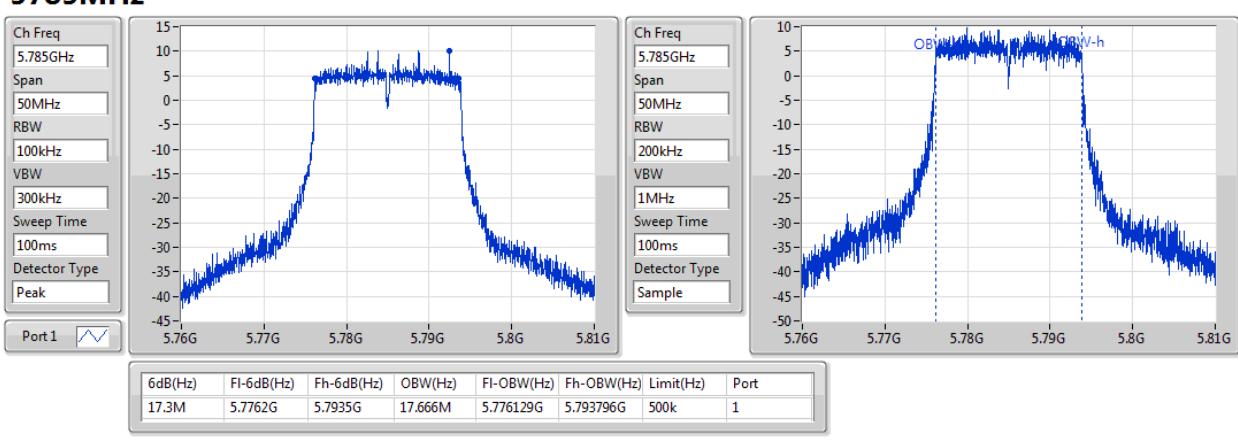
5745MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5785MHz

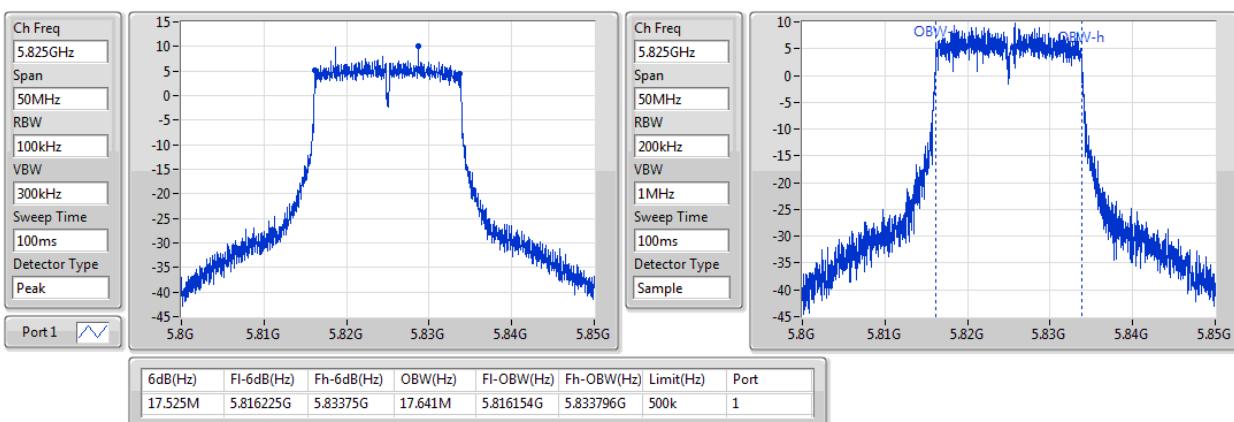




802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

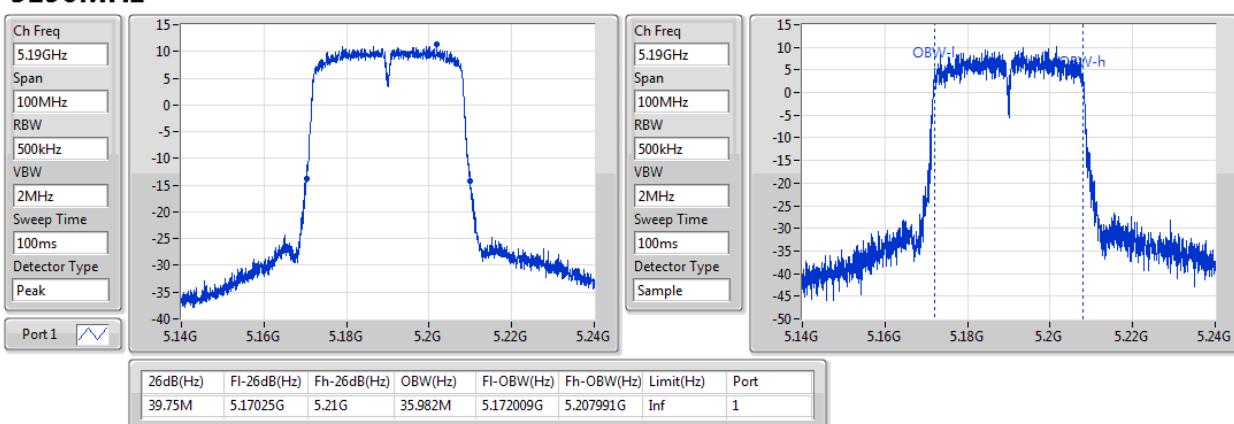
5825MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

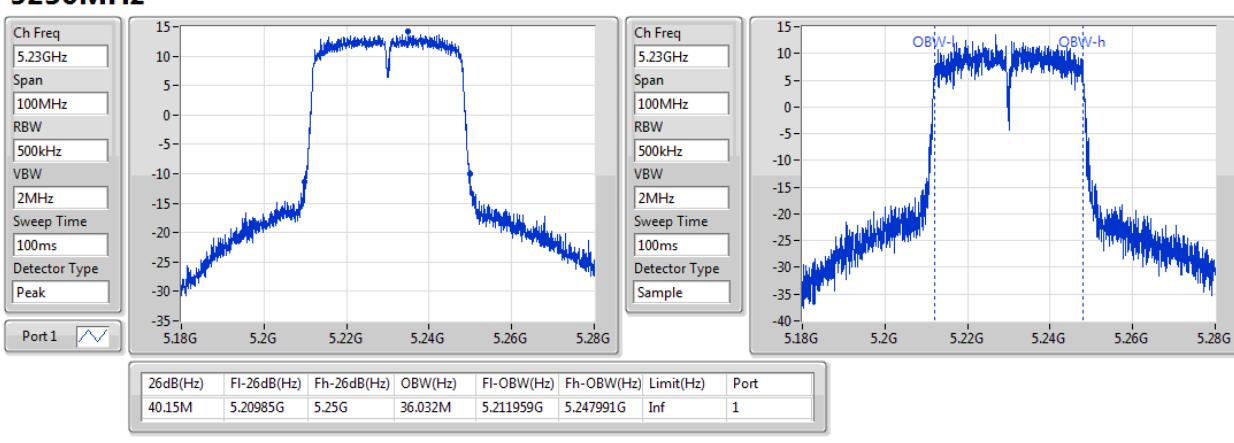
5190MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5230MHz

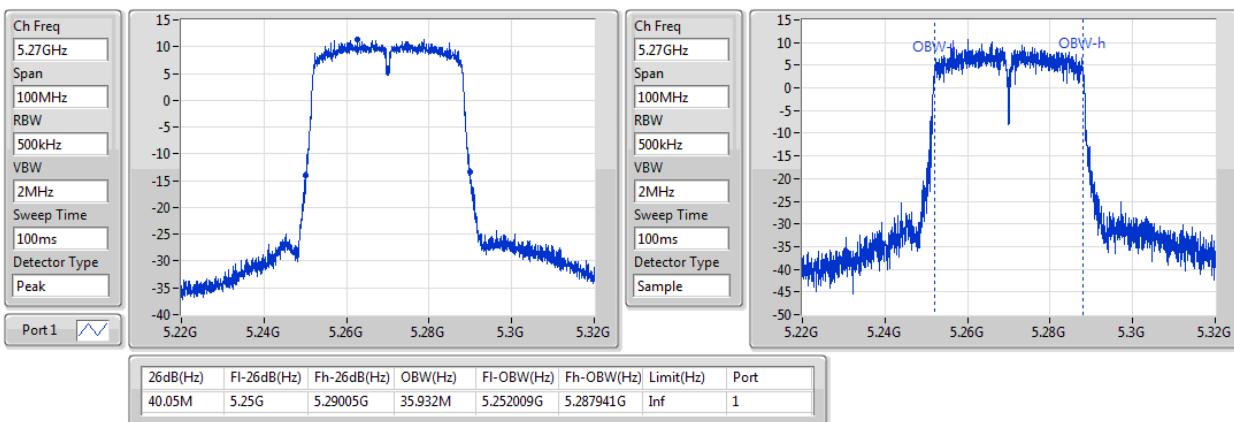




802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

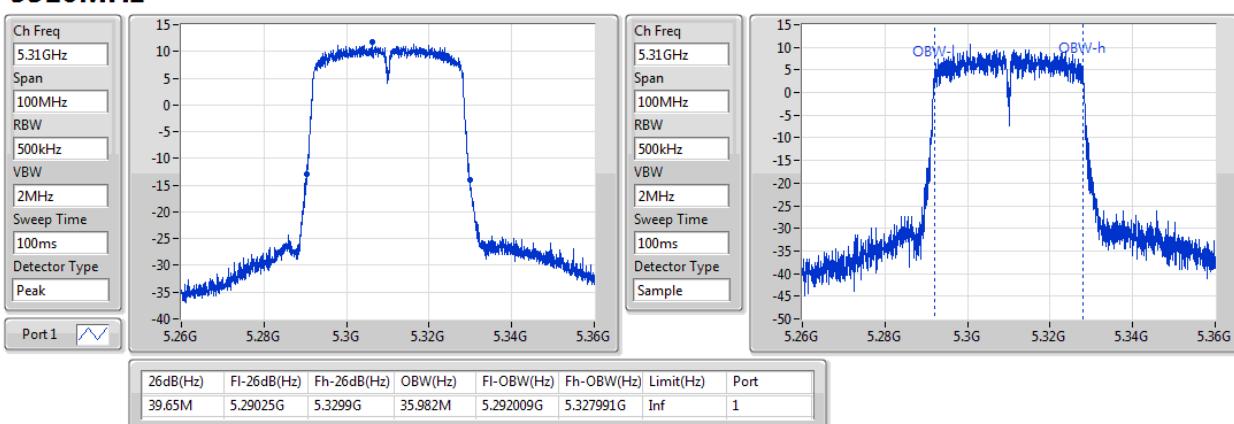
5270MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

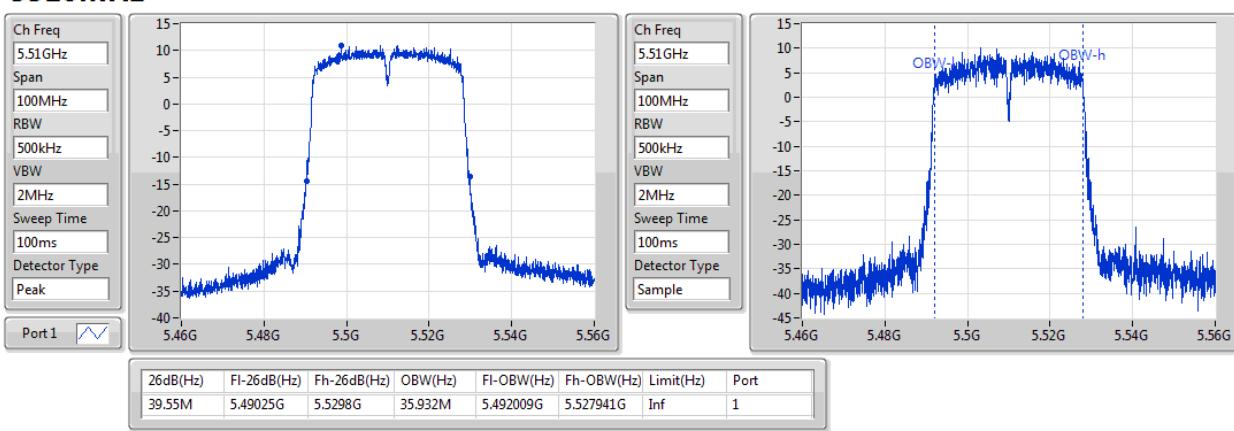
5310MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5510MHz

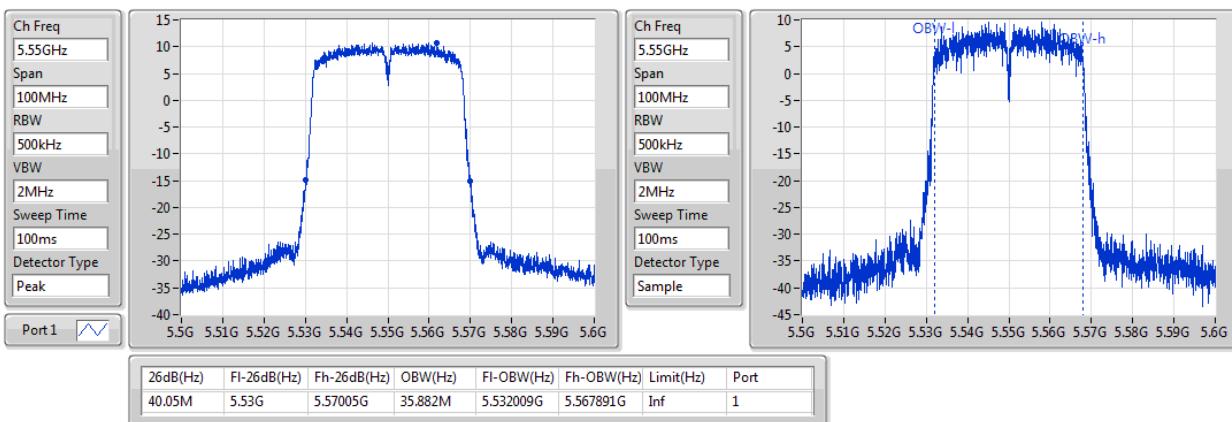




802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

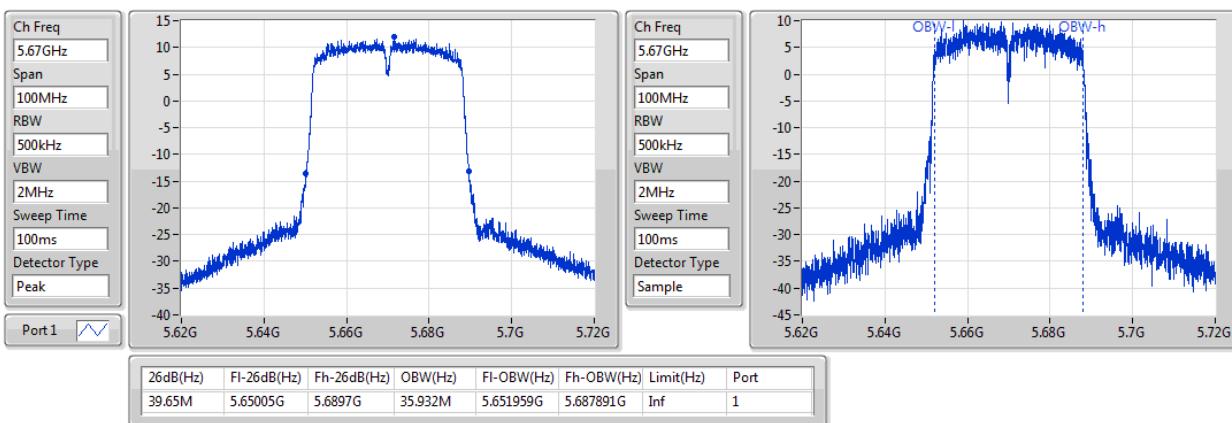
5550MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

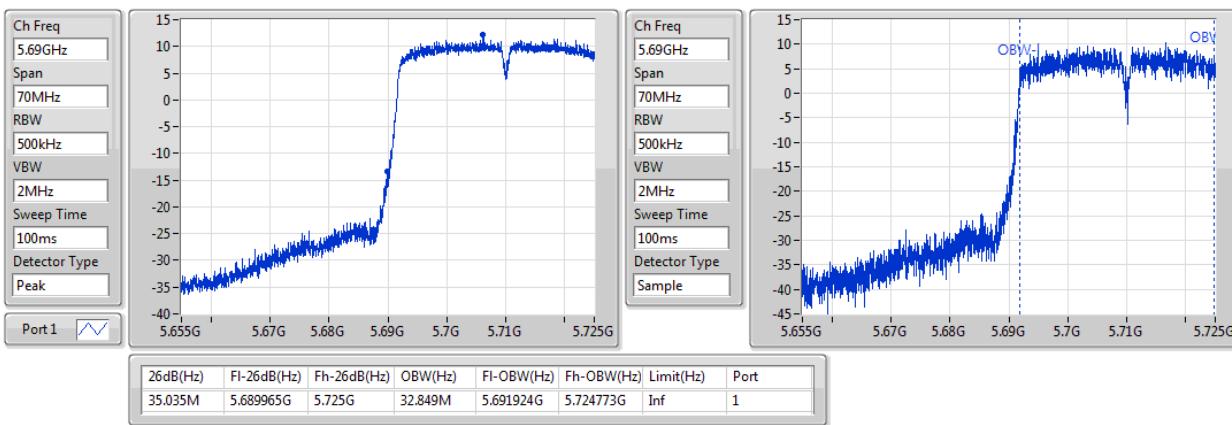
5670MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

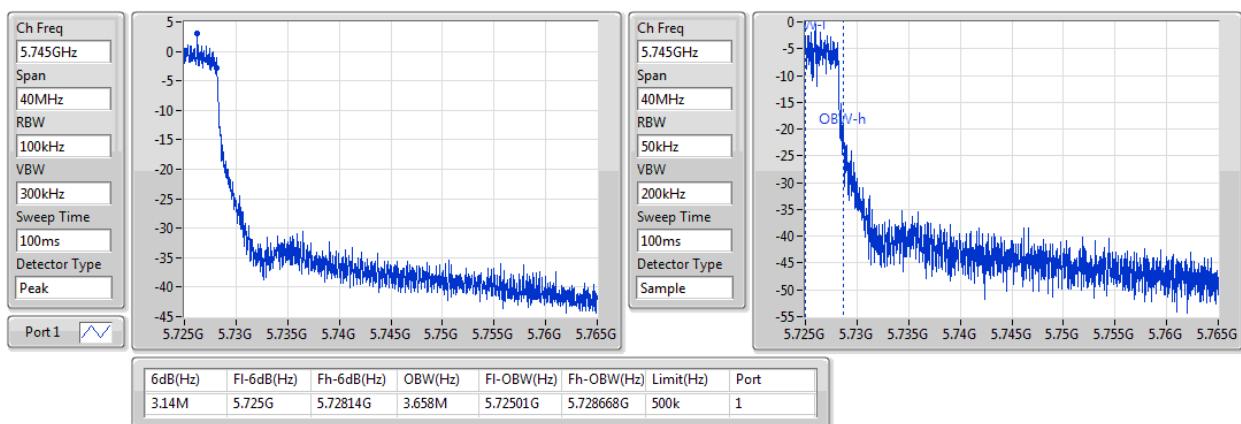




802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

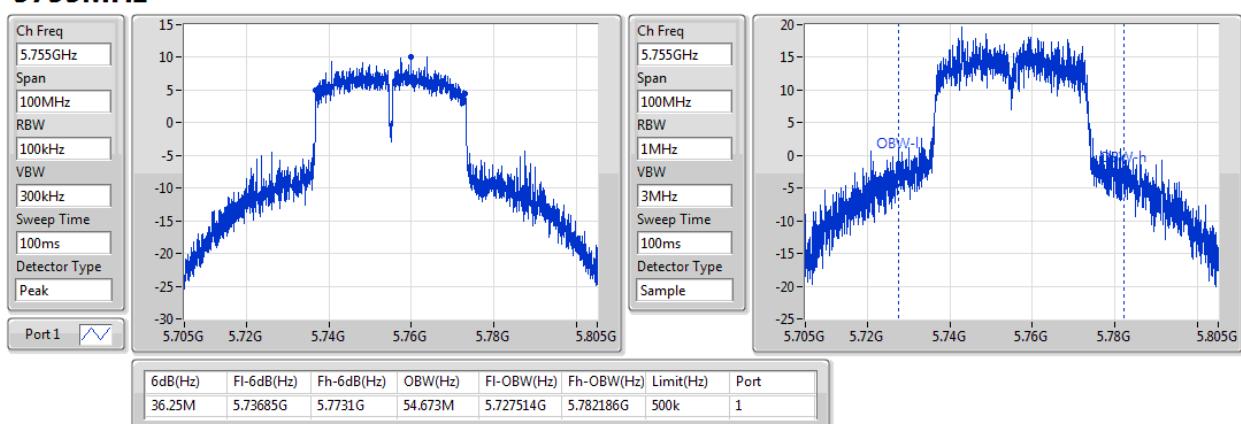
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

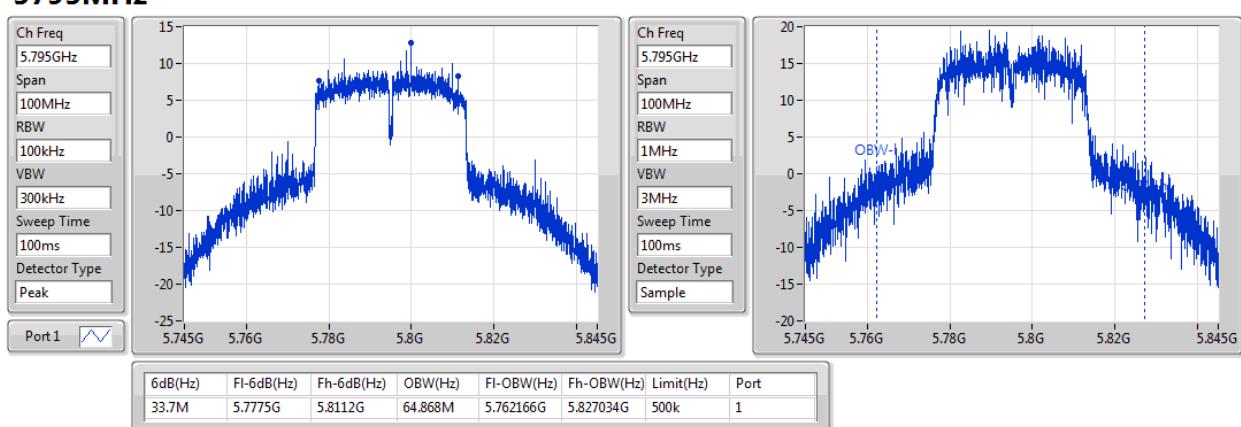
5755MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5795MHz

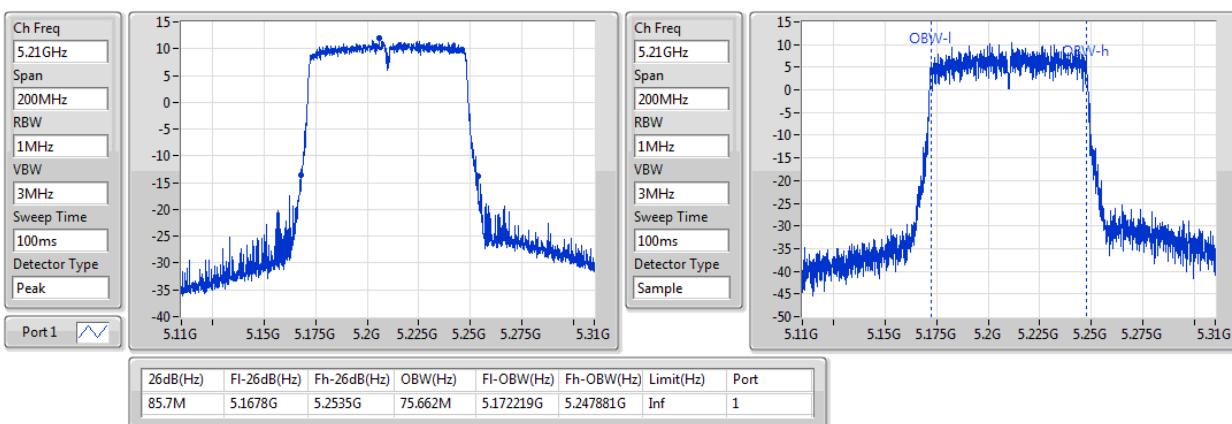




802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

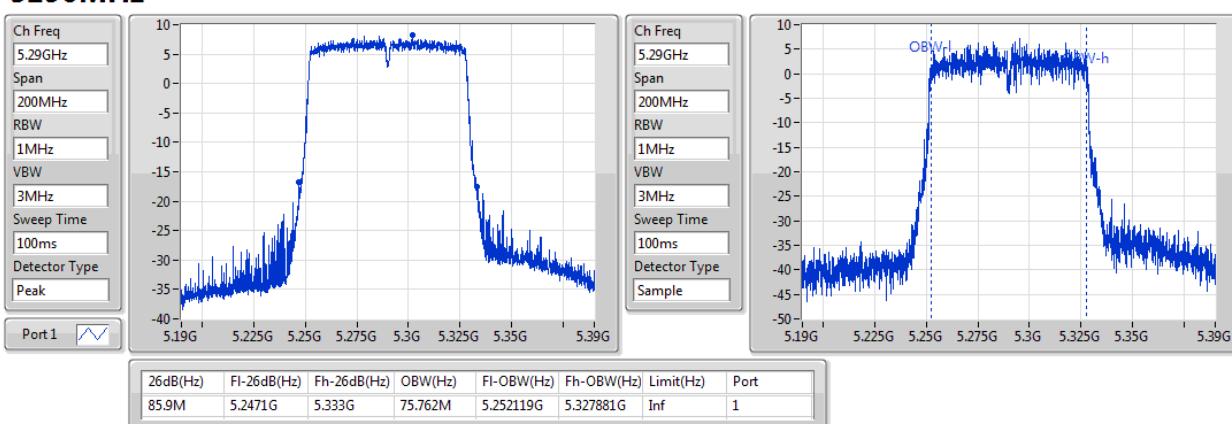
5210MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

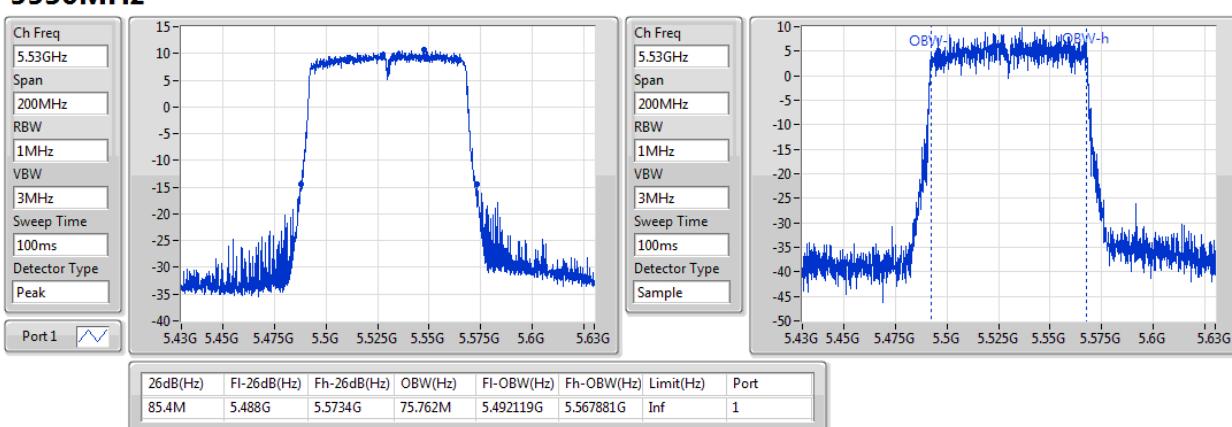
5290MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5530MHz

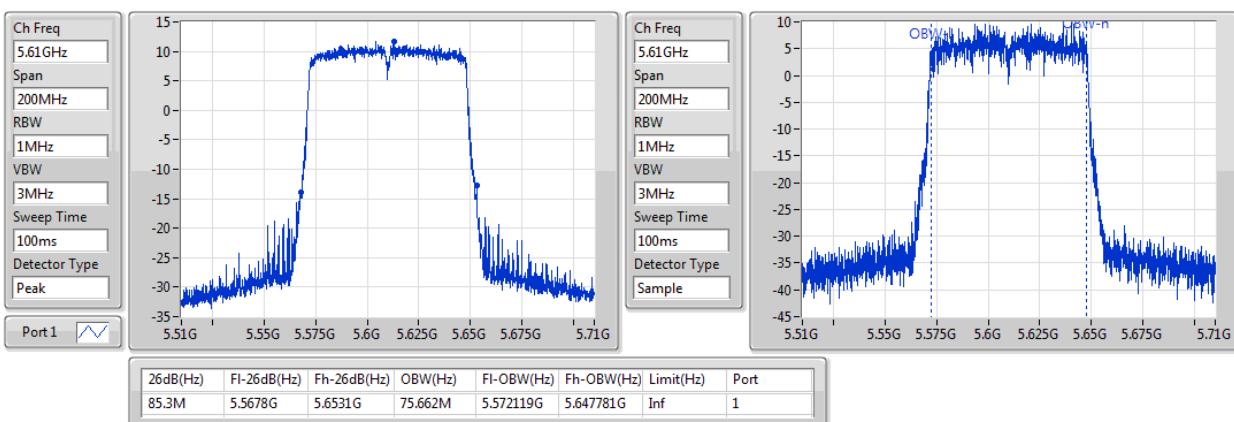




802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

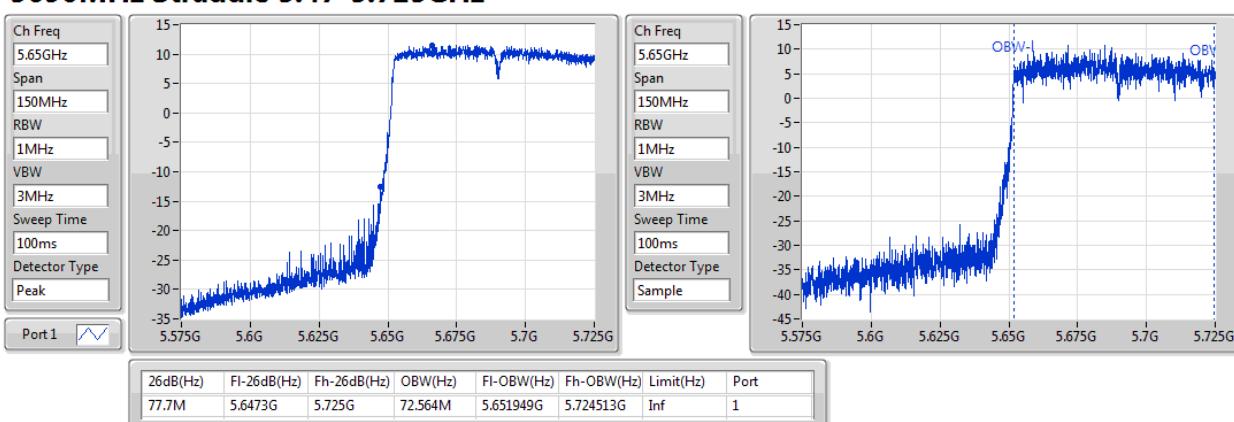
5610MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

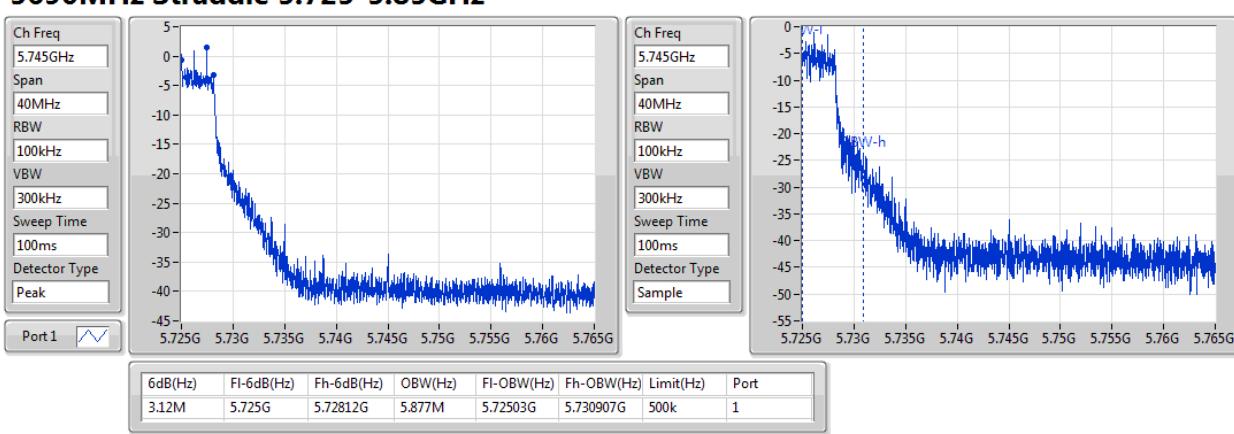
5690MHz Straddle 5.47-5.725GHz

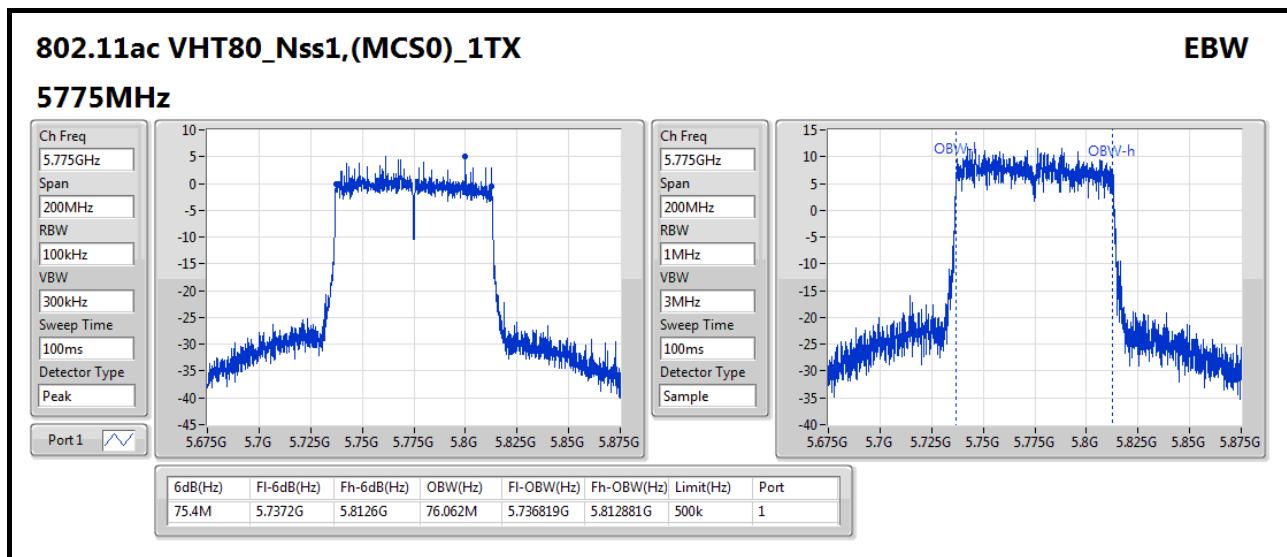


802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz







For Set 3 antennas / 2TX:
<For Non-Beamforming Mode>
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_2TX	-	-	-	-	-
5.15-5.25GHz	20.325M	16.467M	16M5D1D	19.7M	16.392M
5.25-5.35GHz	19.475M	16.442M	16M4D1D	19.025M	16.342M
5.47-5.725GHz	19.725M	16.442M	16M4D1D	14.505M	13.193M
5.725-5.85GHz	16.325M	16.992M	17M0D1D	3.14M	3.438M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	21.425M	17.691M	17M7D1D	20.7M	17.616M
5.25-5.35GHz	20.775M	17.666M	17M7D1D	19.8M	17.541M
5.47-5.725GHz	20.975M	17.641M	17M6D1D	15.105M	13.808M
5.725-5.85GHz	17.55M	17.916M	17M9D1D	3.74M	3.998M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	50.6M	36.132M	36M1D1D	39.65M	35.982M
5.25-5.35GHz	39.9M	36.132M	36M1D1D	39.55M	35.882M
5.47-5.725GHz	39.85M	35.982M	36M0D1D	34.965M	32.814M
5.725-5.85GHz	35.6M	36.482M	36M5D1D	3.18M	3.478M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	87.1M	75.762M	75M8D1D	84.5M	75.662M
5.25-5.35GHz	85.1M	75.762M	75M8D1D	84.9M	75.662M
5.47-5.725GHz	85.6M	75.862M	75M9D1D	77.325M	72.414M
5.725-5.85GHz	74.9M	75.462M	75M5D1D	3.1M	5.737M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;



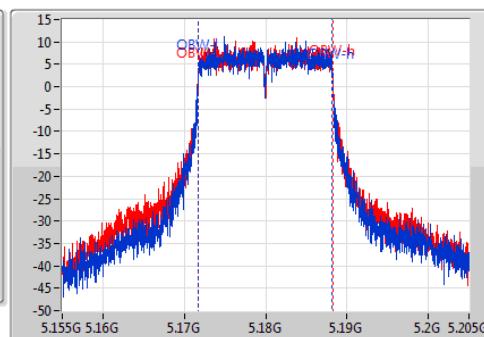
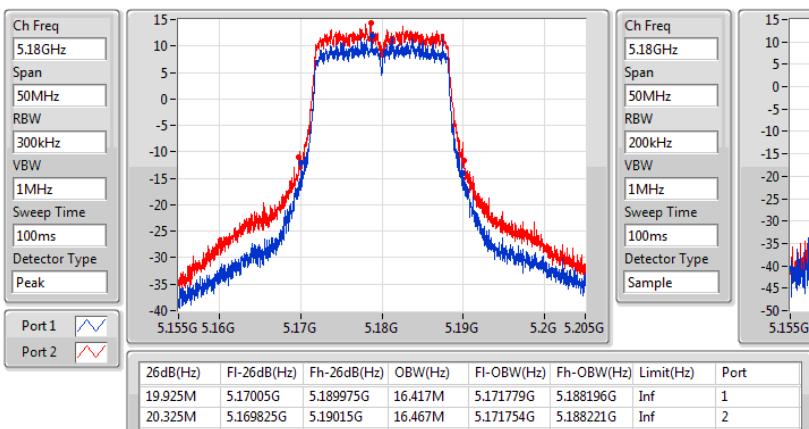
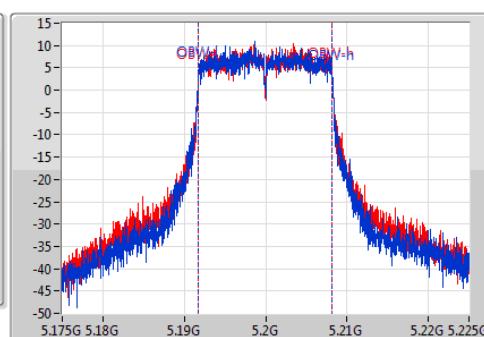
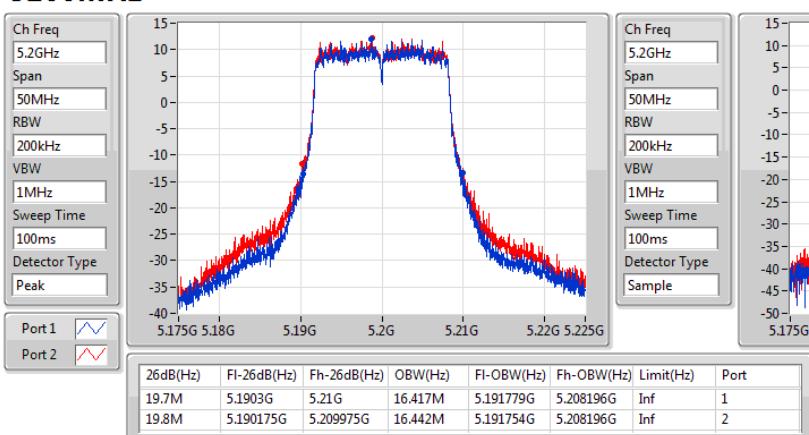
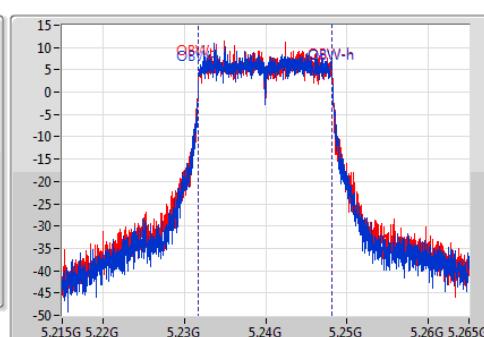
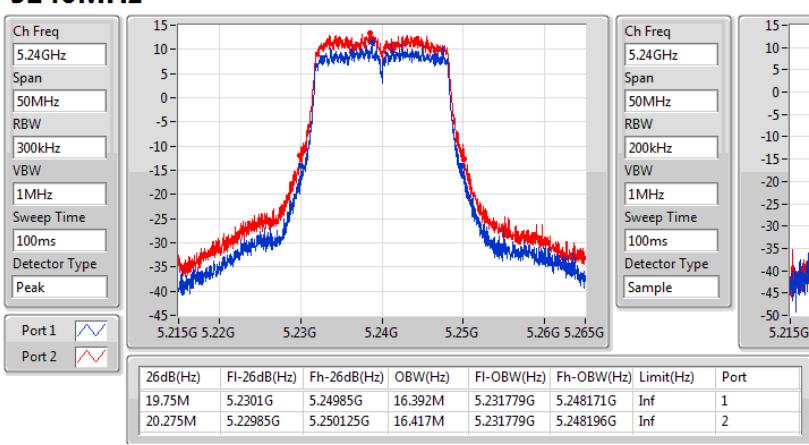
Result

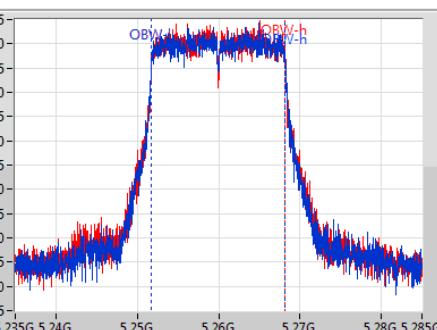
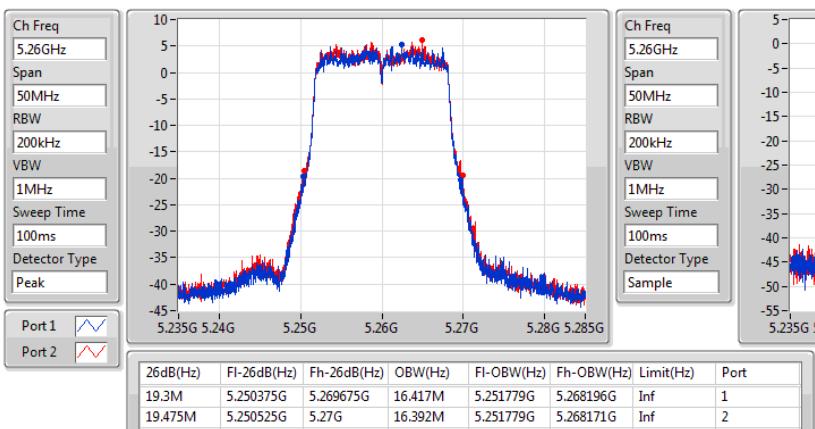
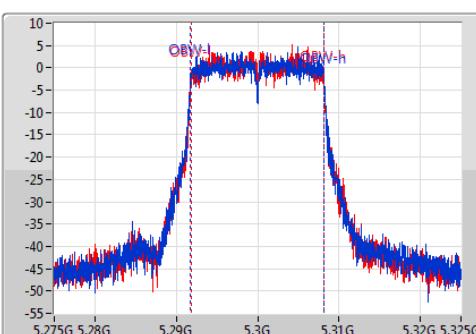
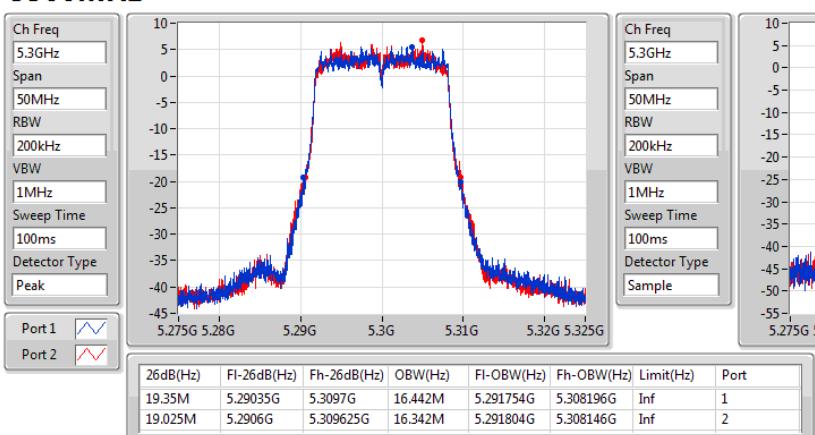
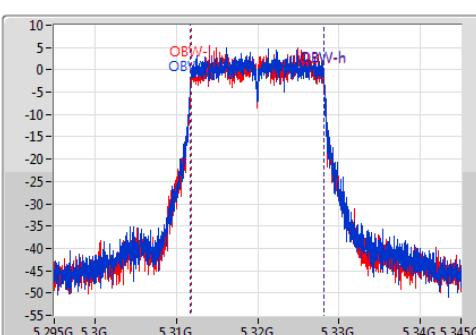
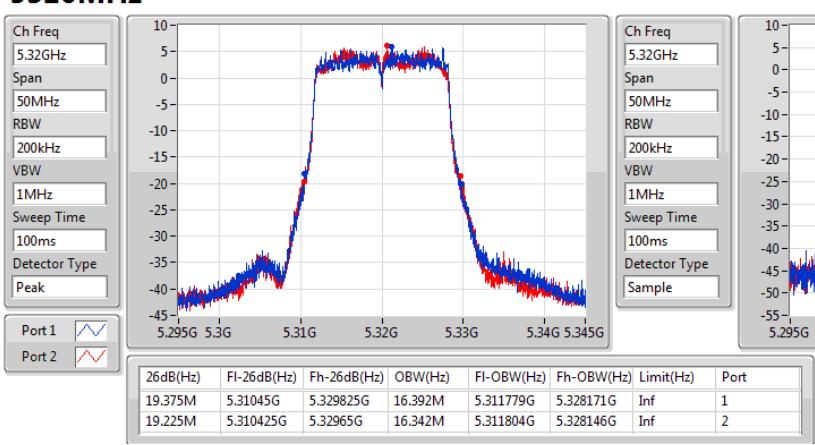
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.925M	16.417M	20.325M	16.467M
5200MHz	Pass	Inf	19.7M	16.417M	19.8M	16.442M
5240MHz	Pass	Inf	19.75M	16.392M	20.275M	16.417M
5260MHz	Pass	Inf	19.3M	16.417M	19.475M	16.392M
5300MHz	Pass	Inf	19.35M	16.442M	19.025M	16.342M
5320MHz	Pass	Inf	19.375M	16.392M	19.225M	16.342M
5500MHz	Pass	Inf	19.225M	16.417M	19.5M	16.442M
5580MHz	Pass	Inf	19.35M	16.417M	19.725M	16.417M
5700MHz	Pass	Inf	19.25M	16.392M	19.575M	16.417M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.505M	13.193M	14.715M	13.193M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.438M	3.14M	3.458M
5745MHz	Pass	500k	16.325M	16.642M	16.3M	16.642M
5785MHz	Pass	500k	16.3M	16.667M	16.3M	16.717M
5825MHz	Pass	500k	16.3M	16.992M	16.325M	16.767M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.7M	17.641M	21.425M	17.641M
5200MHz	Pass	Inf	21.225M	17.666M	21.325M	17.691M
5240MHz	Pass	Inf	20.725M	17.641M	21.025M	17.616M
5260MHz	Pass	Inf	20.35M	17.666M	20.475M	17.566M
5300MHz	Pass	Inf	20.525M	17.641M	19.8M	17.541M
5320MHz	Pass	Inf	20.775M	17.641M	20.15M	17.566M
5500MHz	Pass	Inf	20.425M	17.591M	20.975M	17.641M
5580MHz	Pass	Inf	20.25M	17.566M	20.675M	17.616M
5700MHz	Pass	Inf	20.65M	17.616M	20.725M	17.616M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.105M	13.808M	15.27M	13.823M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.038M	3.74M	3.998M
5745MHz	Pass	500k	17.525M	17.766M	17.55M	17.766M
5785MHz	Pass	500k	17.55M	17.816M	17.55M	17.841M
5825MHz	Pass	500k	17.3M	17.916M	16.9M	17.816M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.65M	35.982M	39.85M	35.982M
5230MHz	Pass	Inf	44.5M	36.082M	50.6M	36.132M
5270MHz	Pass	Inf	39.9M	35.882M	39.55M	36.032M
5310MHz	Pass	Inf	39.75M	35.882M	39.7M	36.132M
5510MHz	Pass	Inf	39.5M	35.932M	39.65M	35.982M
5550MHz	Pass	Inf	39.6M	35.982M	39.75M	35.932M
5670MHz	Pass	Inf	39.85M	35.982M	39.5M	35.882M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.965M	32.814M	35.035M	32.814M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	3.478M	3.22M	3.478M
5755MHz	Pass	500k	35.6M	36.432M	34.65M	36.232M
5795MHz	Pass	500k	33.15M	36.482M	35.25M	36.432M

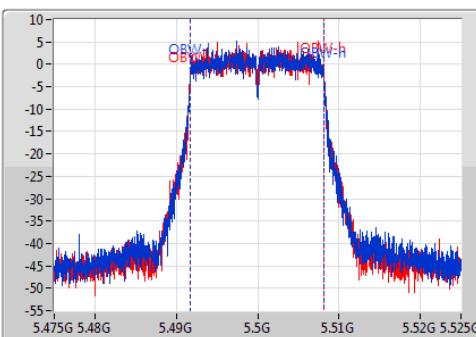
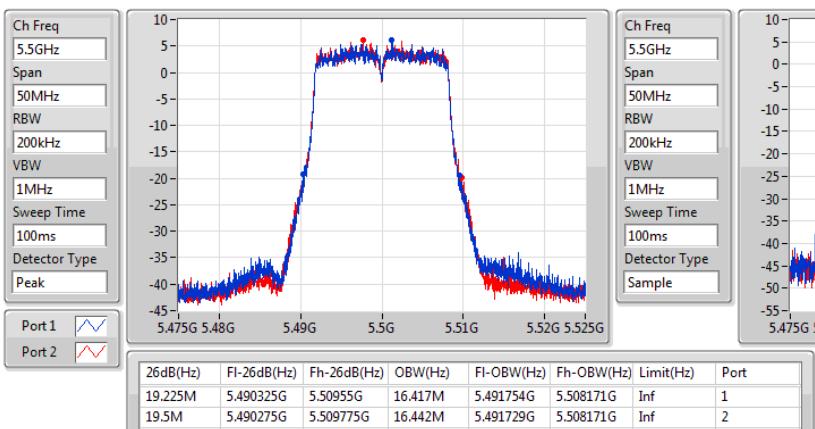
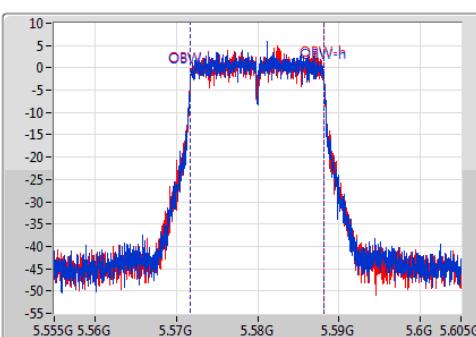
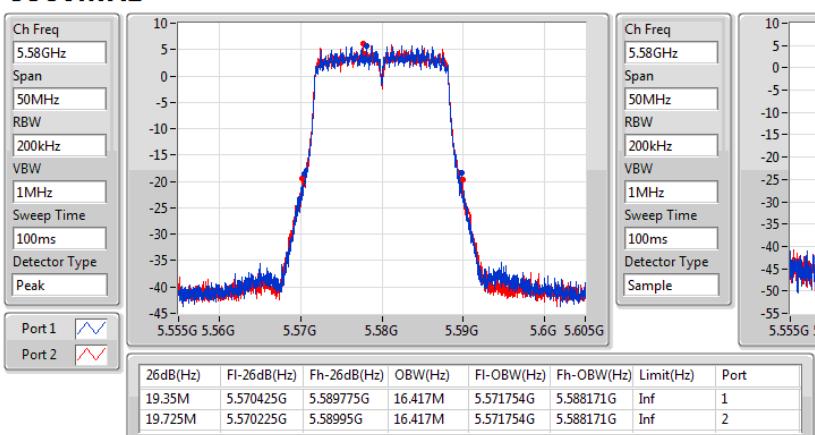
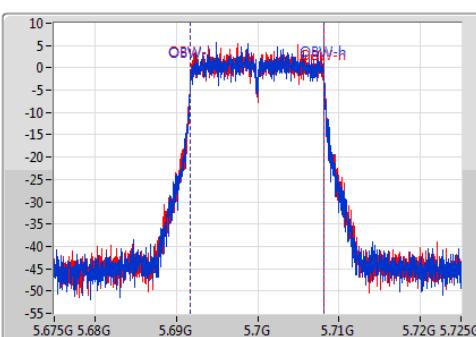
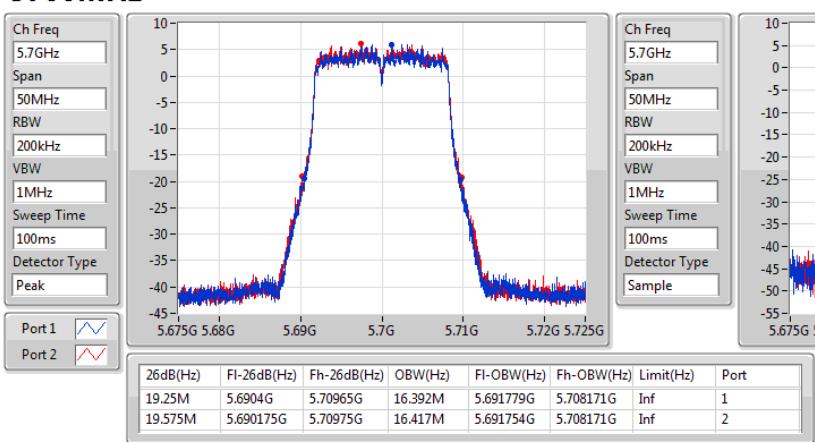
**FCC Test Report****Report No. : FR760613AC**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	84.5M	75.662M	87.1M	75.762M
5290MHz	Pass	Inf	84.9M	75.762M	85.1M	75.662M
5530MHz	Pass	Inf	85.6M	75.662M	84.6M	75.862M
5610MHz	Pass	Inf	84.8M	75.762M	84.8M	75.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.7M	72.414M	77.325M	72.489M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	5.777M	3.12M	5.737M
5775MHz	Pass	500k	74.9M	75.462M	74.4M	75.462M

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)_2TX****EBW****5180MHz****802.11a_(6Mbps)_2TX****EBW****5200MHz****802.11a_(6Mbps)_2TX****EBW****5240MHz**

**802.11a_(6Mbps)_2TX****EBW****5260MHz****802.11a_(6Mbps)_2TX****EBW****5300MHz****802.11a_(6Mbps)_2TX****EBW****5320MHz**

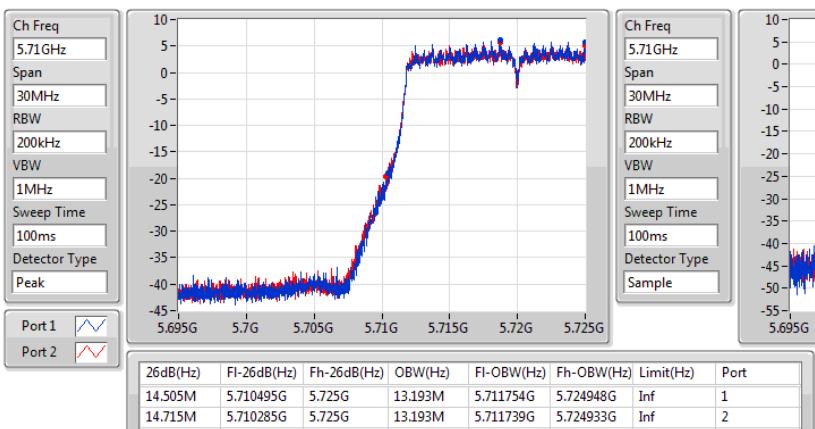
**802.11a_(6Mbps)_2TX****EBW****5500MHz****802.11a_(6Mbps)_2TX****EBW****5580MHz****802.11a_(6Mbps)_2TX****EBW****5700MHz**



802.11a_(6Mbps)_2TX

EBW

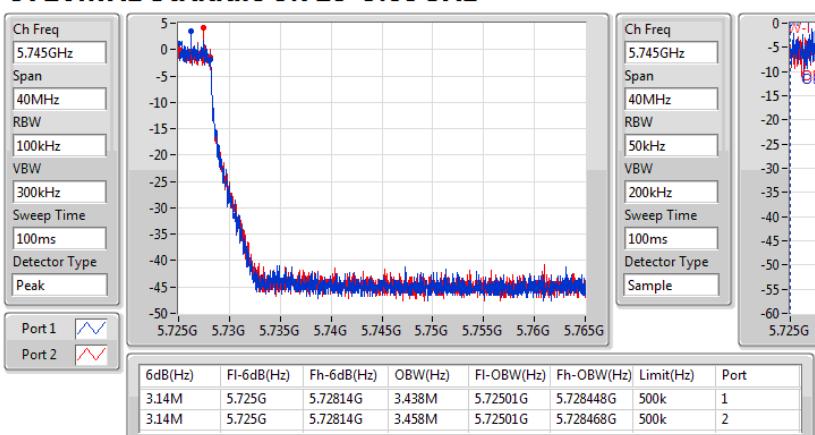
5720MHz Straddle 5.47-5.725GHz



802.11a_(6Mbps)_2TX

EBW

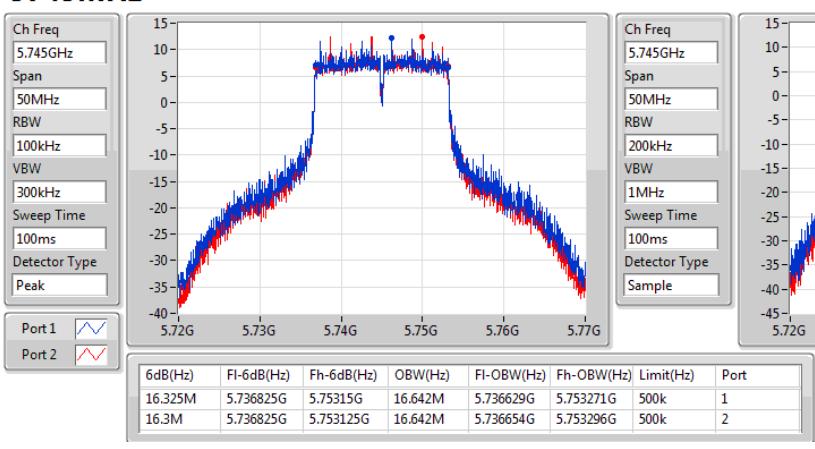
5720MHz Straddle 5.725-5.85GHz



802.11a_(6Mbps)_2TX

EBW

5745MHz



**802.11a_(6Mbps)_2TX****EBW****5785MHz**

Ch Freq

5.785GHz

Span

50MHz

RBW

100kHz

VBW

300kHz

Sweep Time

100ms

Detector Type

Peak

Port 1 Port 2

Ch Freq

5.785GHz

Span

50MHz

RBW

200kHz

VBW

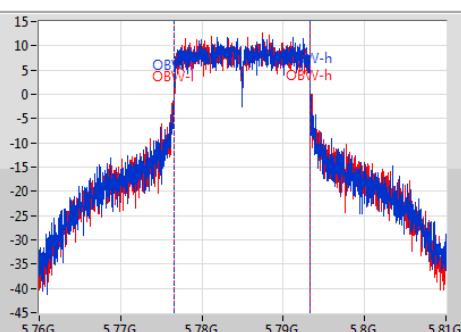
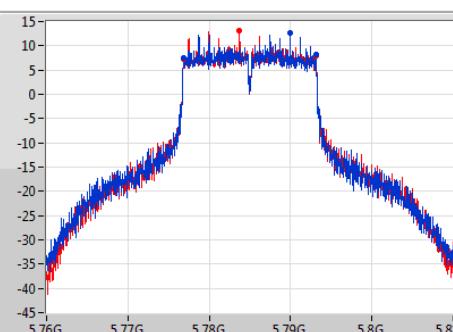
1MHz

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	16.667M	5.776604G	5.793271G	500k	1
16.3M	5.776825G	5.793125G	16.717M	5.776604G	5.793321G	500k	2

802.11a_(6Mbps)_2TX**EBW****5825MHz**

Ch Freq

5.825GHz

Span

50MHz

RBW

100kHz

VBW

300kHz

Sweep Time

100ms

Detector Type

Peak

Port 1 Port 2

Ch Freq

5.825GHz

Span

50MHz

RBW

200kHz

VBW

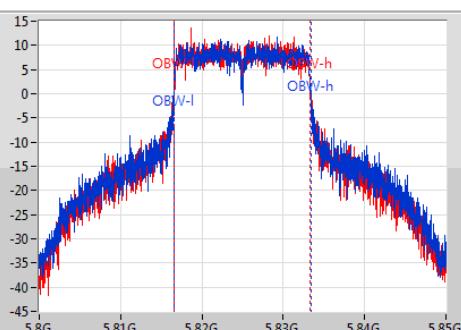
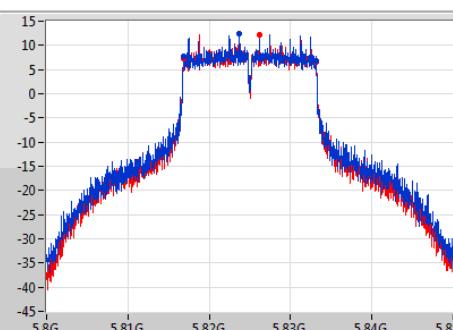
1MHz

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	16.992M	5.816504G	5.833496G	500k	1
16.325M	5.816825G	5.833125G	16.767M	5.816579G	5.833346G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX**EBW****5180MHz**

Ch Freq

5.18GHz

Span

50MHz

RBW

200kHz

VBW

1MHz

Sweep Time

100ms

Detector Type

Peak

Port 1 Port 2

Ch Freq

5.18GHz

Span

50MHz

RBW

200kHz

VBW

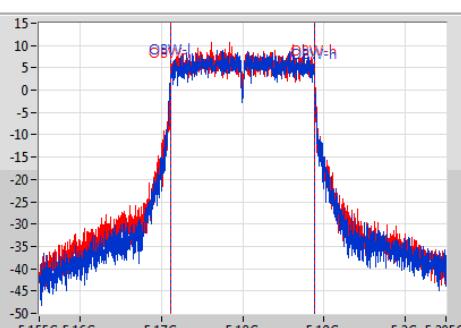
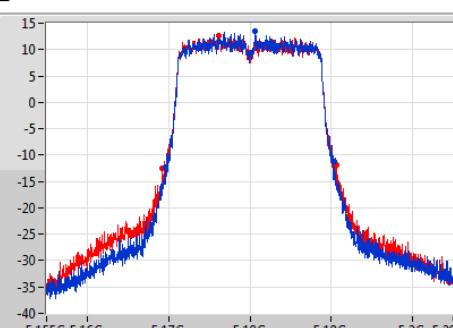
1MHz

Sweep Time

100ms

Detector Type

Sample



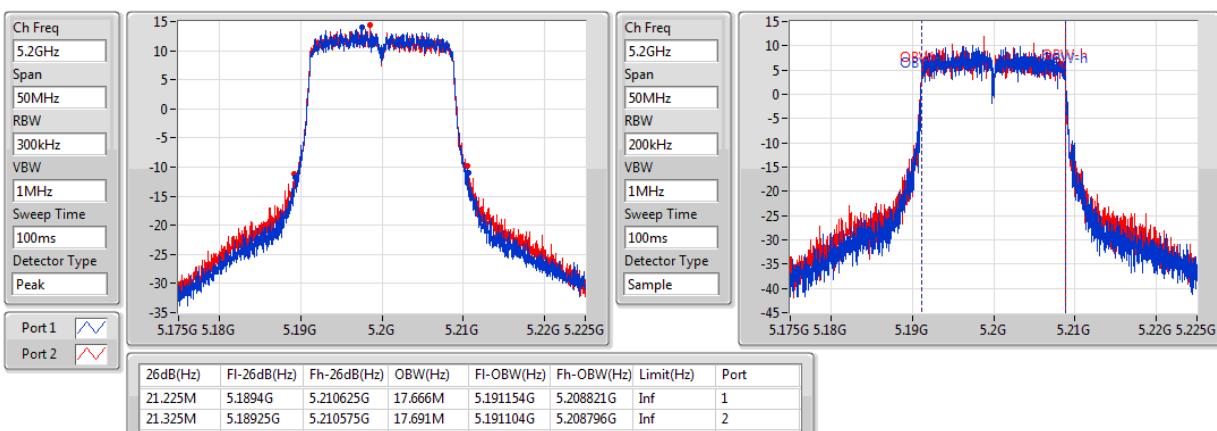
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.7M	5.169625G	5.190325G	17.641M	5.171154G	5.188796G	Inf	1
21.425M	5.16925G	5.190675G	17.641M	5.171154G	5.188796G	Inf	2



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

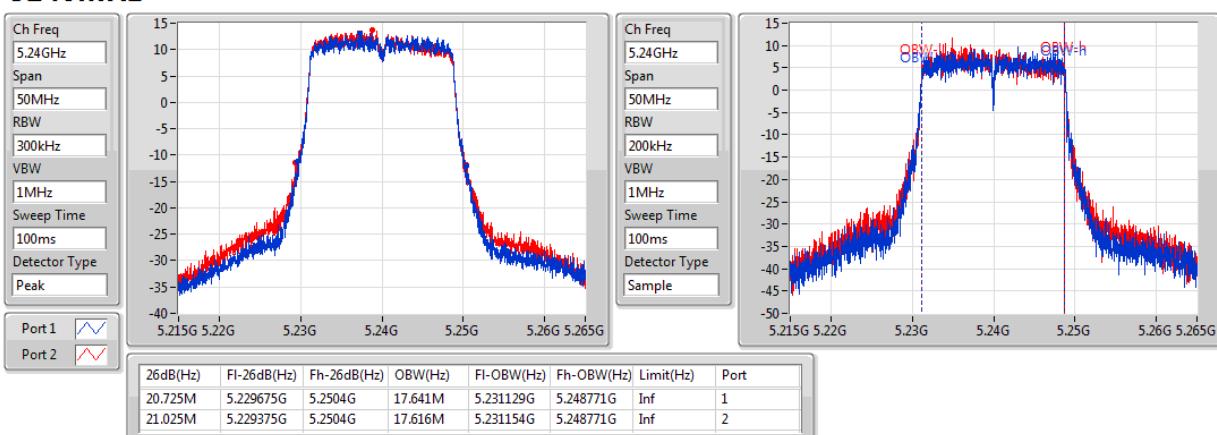
5200MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

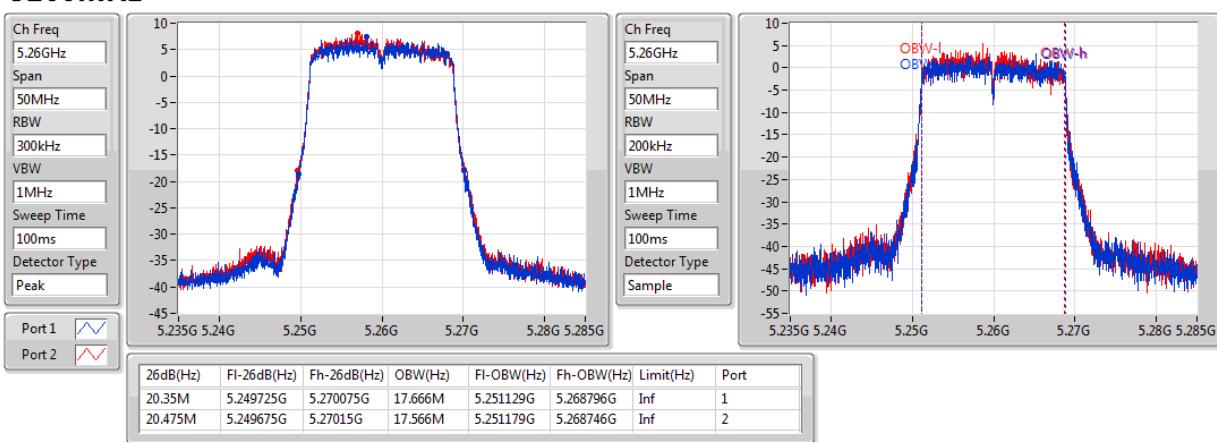
5240MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5260MHz

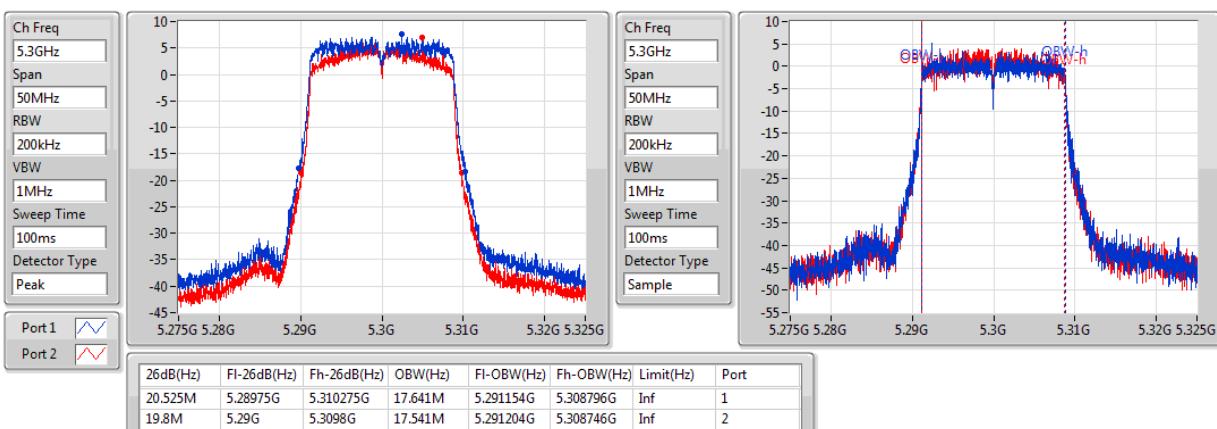




802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

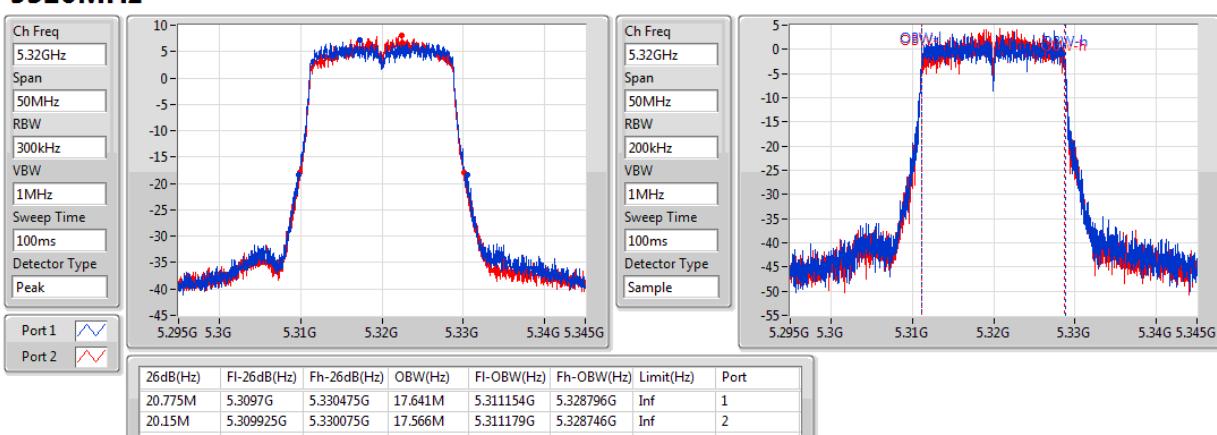
5300MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

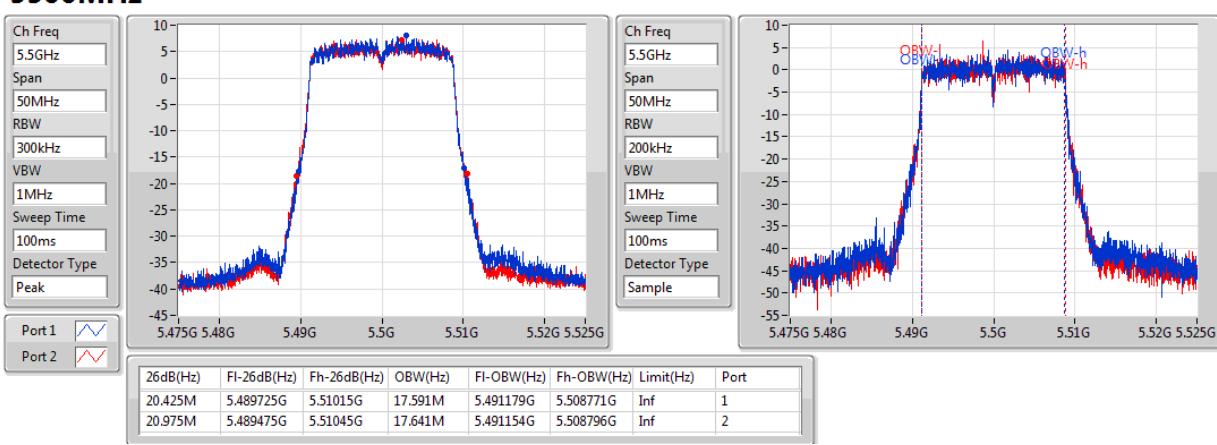
5320MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5500MHz





802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5580MHz

Ch Freq

5.58GHz

Span

50MHz

RBW

300kHz

VBW

1MHz

Sweep Time

100ms

Detector Type

Peak

Port 1

Port 2

Ch Freq

5.58GHz

Span

50MHz

RBW

200kHz

VBW

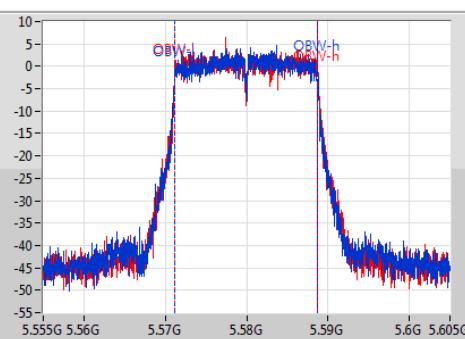
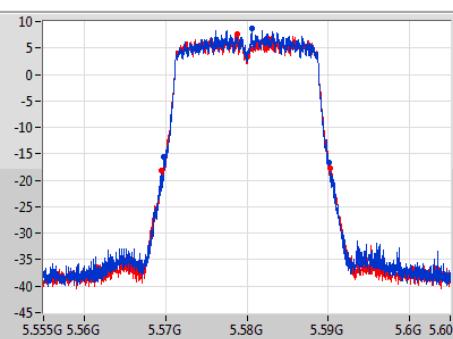
1MHz

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
20.25M	5.569825G	5.590075G	17.566M	5.571179G	5.588746G	Inf	1
20.675M	5.5695G	5.590175G	17.616M	5.571154G	5.588771G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5700MHz

Ch Freq

5.7GHz

Span

50MHz

RBW

300kHz

VBW

1MHz

Sweep Time

100ms

Detector Type

Peak

Port 1

Port 2

Ch Freq

5.7GHz

Span

50MHz

RBW

200kHz

VBW

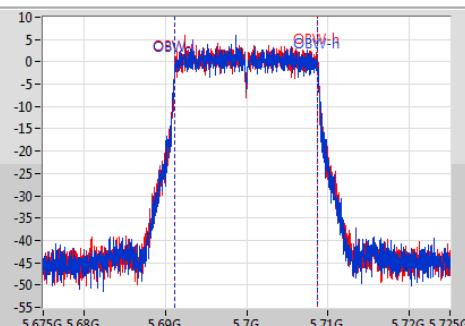
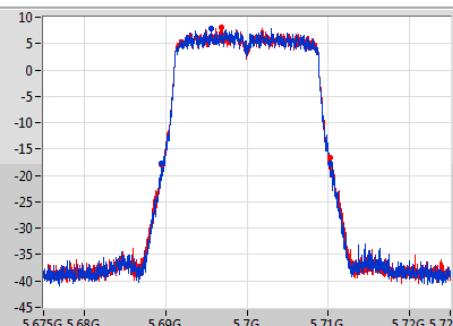
1MHz

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
20.65M	5.689525G	5.710175G	17.616M	5.691154G	5.708771G	Inf	1
20.725M	5.6895G	5.710225G	17.616M	5.691154G	5.708771G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

Ch Freq

5.71GHz

Span

30MHz

RBW

200kHz

VBW

1MHz

Sweep Time

100ms

Detector Type

Peak

Port 1

Port 2

Ch Freq

5.71GHz

Span

30MHz

RBW

200kHz

VBW

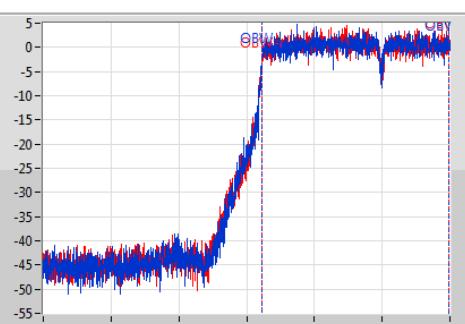
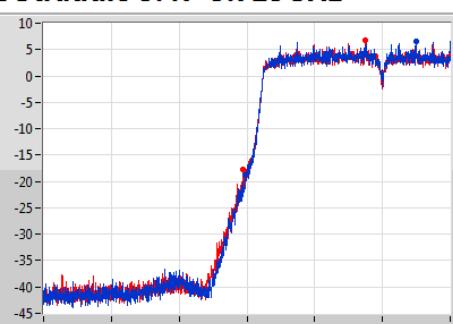
1MHz

Sweep Time

100ms

Detector Type

Sample



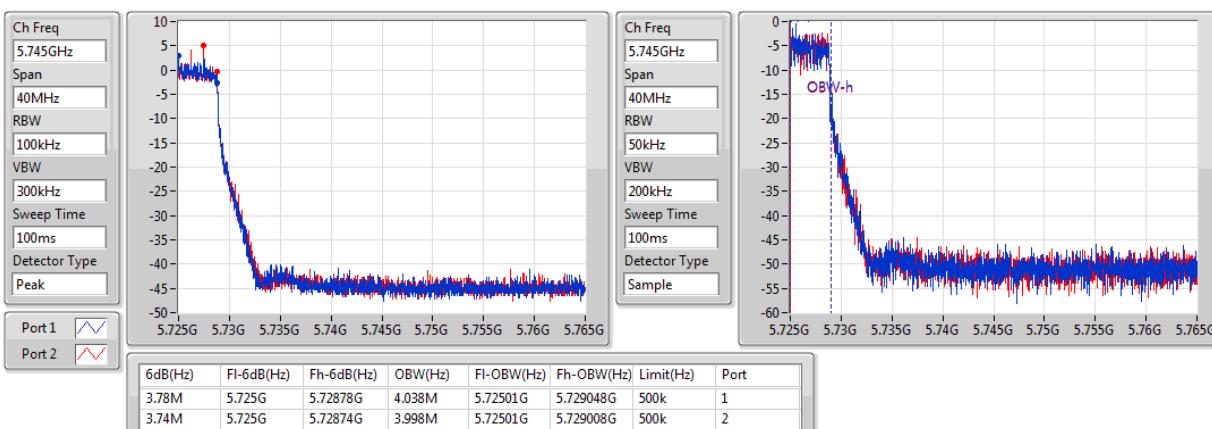
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.105M	5.709895G	5.725G	13.808M	5.711124G	5.724933G	Inf	1
15.27M	5.70973G	5.725G	13.823M	5.711109G	5.724933G	Inf	2



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

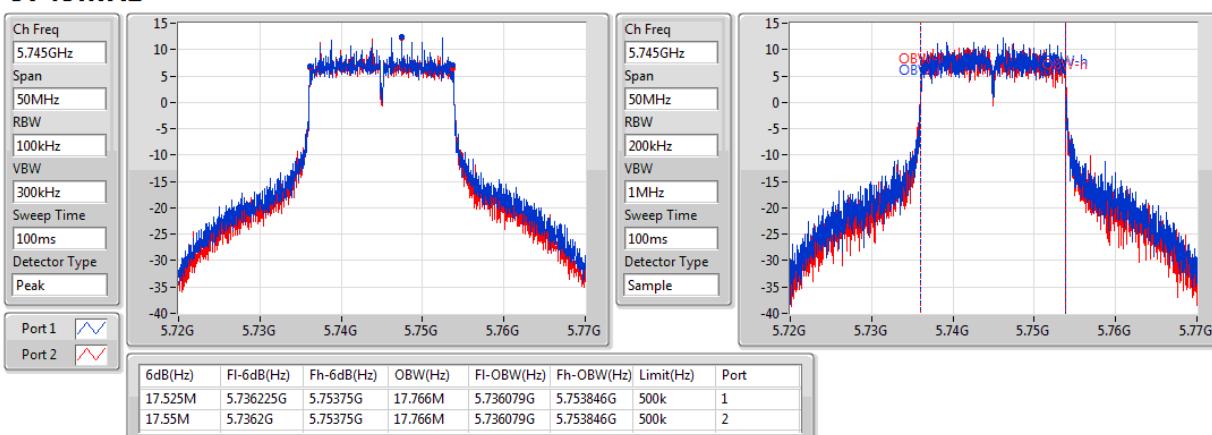
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

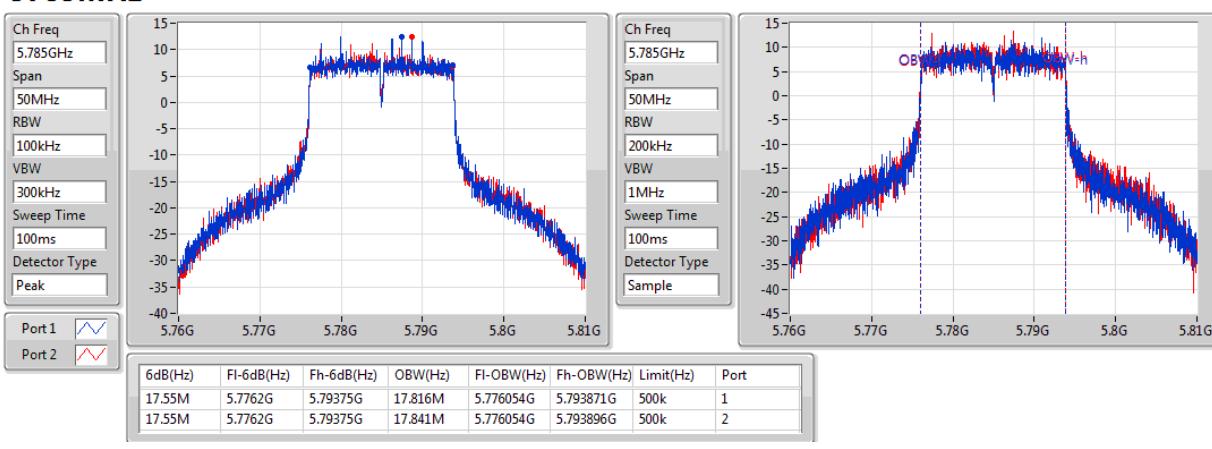
5745MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5785MHz

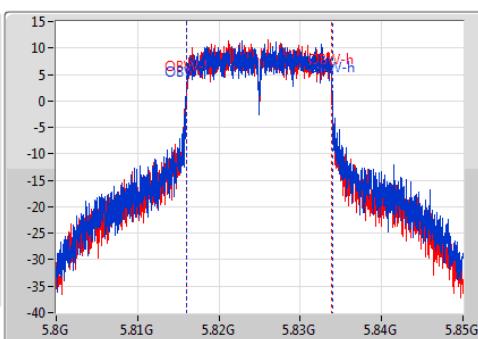
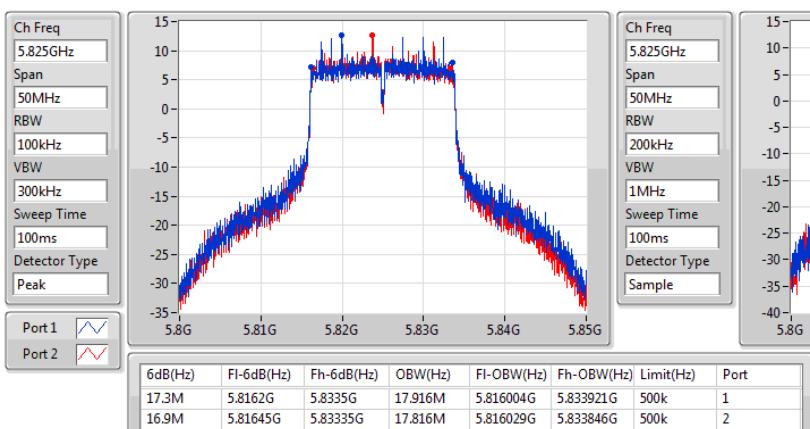




802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

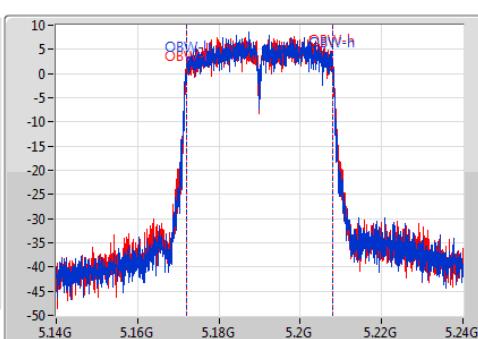
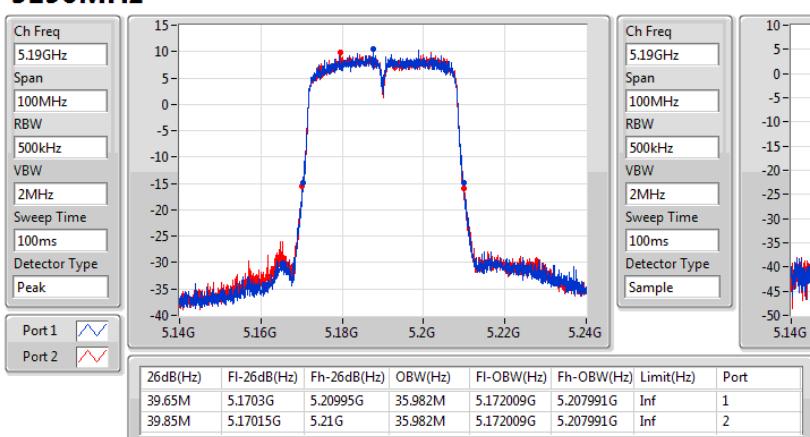
5825MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

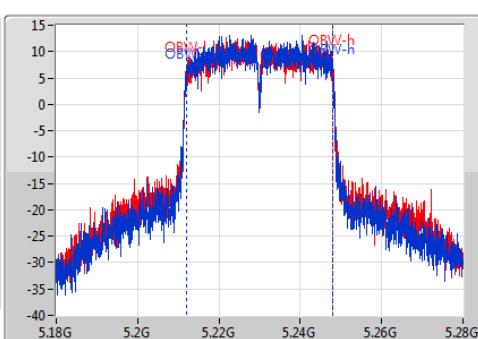
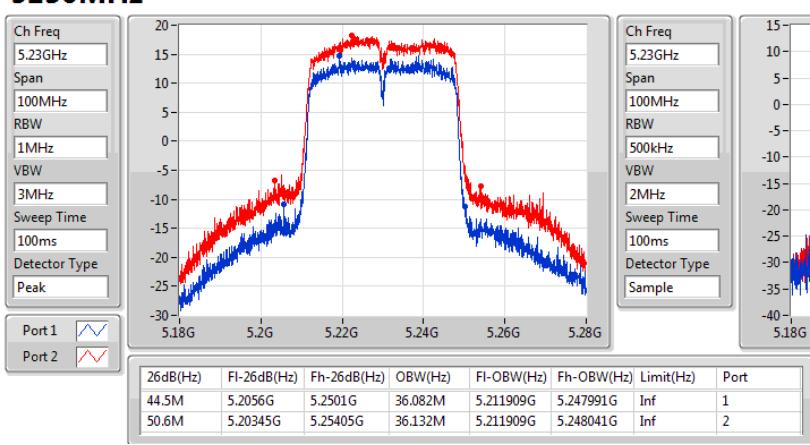
5190MHz

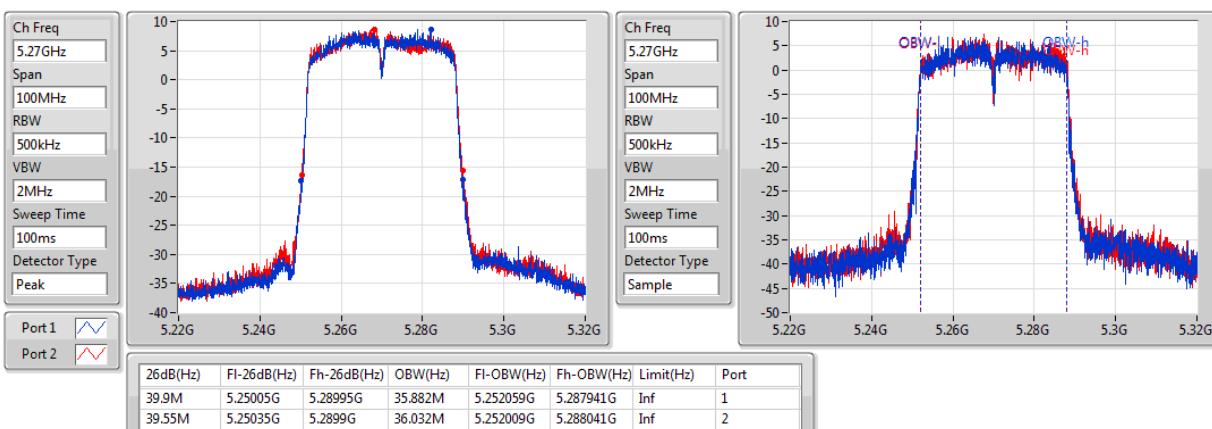
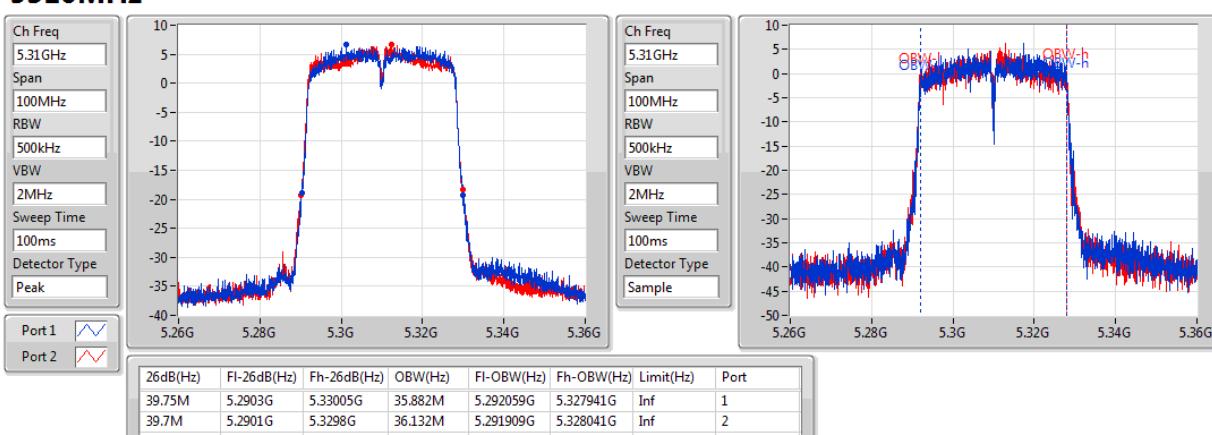
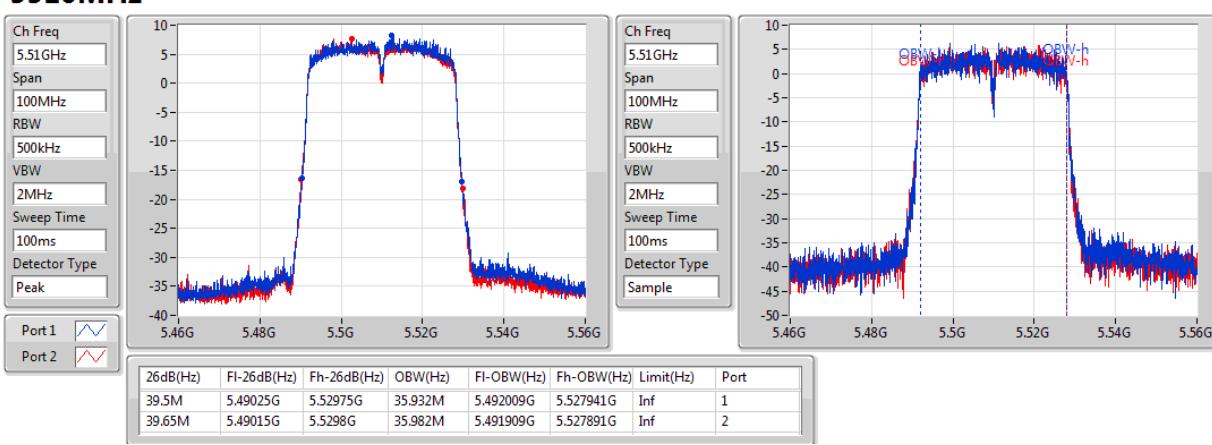


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5230MHz



**802.11ac VHT40_Nss1,(MCS0)_2TX****EBW****5270MHz****802.11ac VHT40_Nss1,(MCS0)_2TX****EBW****5310MHz****802.11ac VHT40_Nss1,(MCS0)_2TX****EBW****5510MHz**



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5550MHz

Ch Freq

5.55GHz

Span

100MHz

RBW

500kHz

VBW

2MHz

Sweep Time

100ms

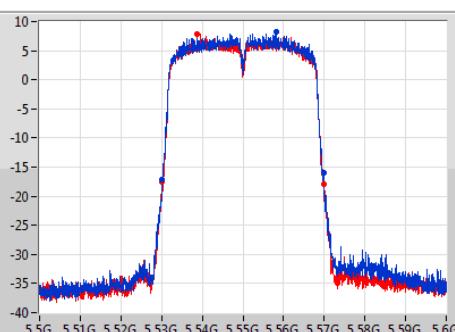
Detector Type

Peak

Port 1



Port 2



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.5302G	5.5698G	35.982M	5.531959G	5.567941G	Inf	1
39.75M	5.53015G	5.5699G	35.932M	5.531959G	5.567891G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5670MHz

Ch Freq

5.67GHz

Span

100MHz

RBW

500kHz

VBW

2MHz

Sweep Time

100ms

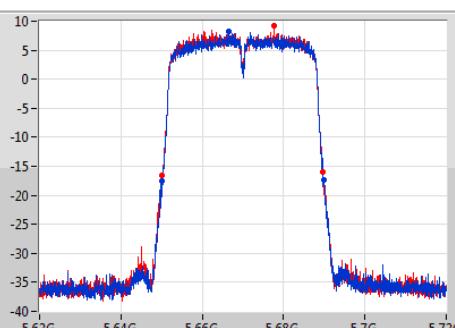
Detector Type

Peak

Port 1



Port 2



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.85M	5.65015G	5.69G	35.982M	5.651959G	5.687941G	Inf	1
39.5M	5.6502G	5.6897G	35.882M	5.652059G	5.687941G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

Ch Freq

5.69GHz

Span

70MHz

RBW

500kHz

VBW

2MHz

Sweep Time

100ms

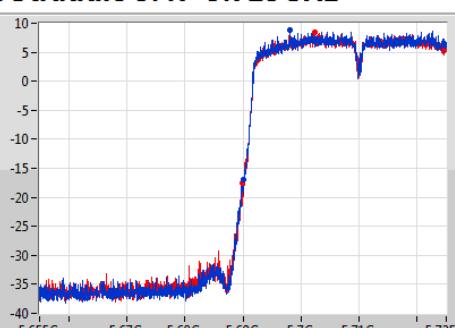
Detector Type

Peak

Port 1



Port 2



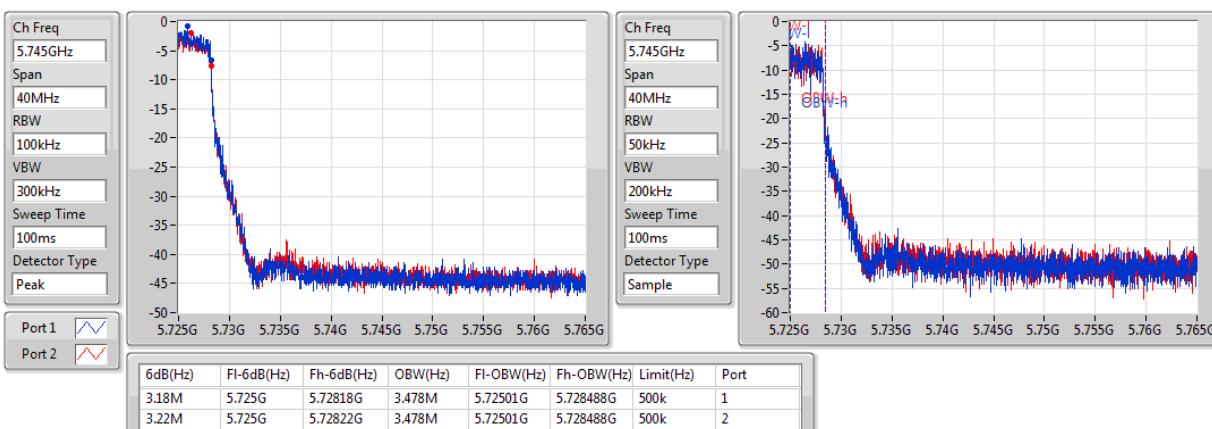
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.965M	5.690035G	5.725G	32.814M	5.691994G	5.724808G	Inf	1
35.035M	5.689965G	5.725G	32.814M	5.691994G	5.724808G	Inf	2



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

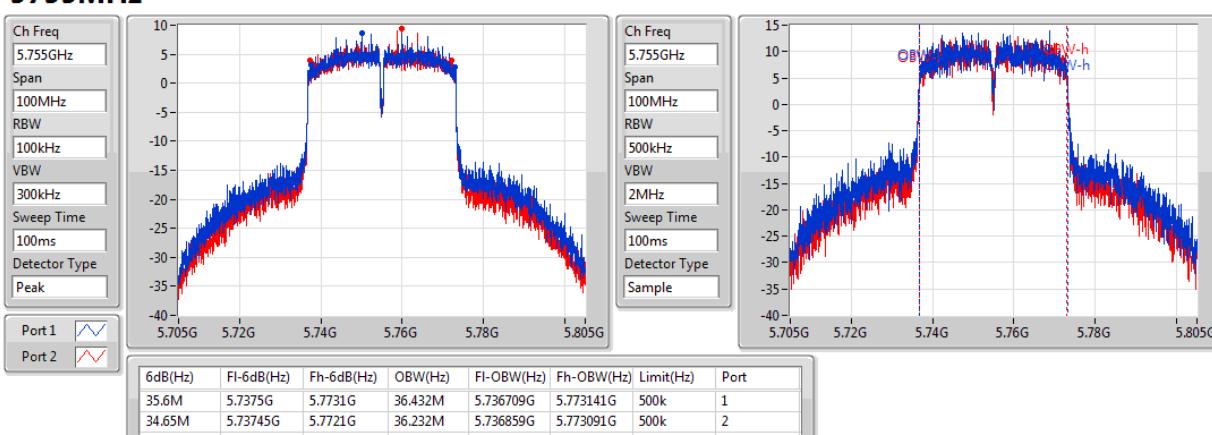
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

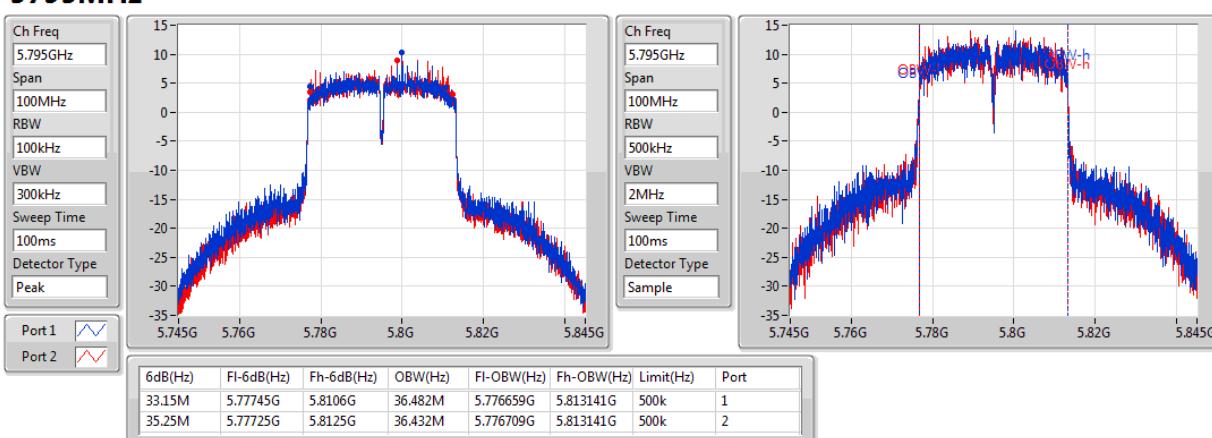
5755MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5795MHz

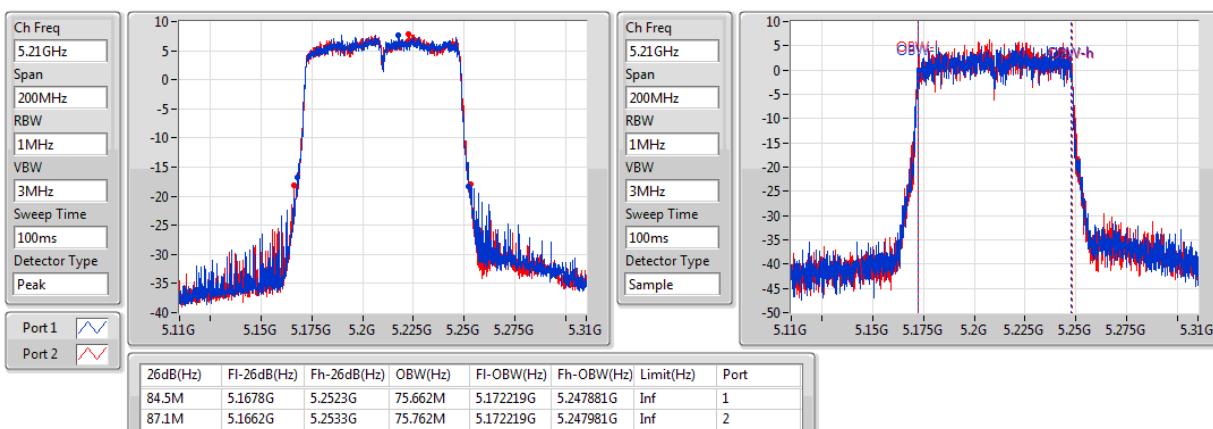




802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

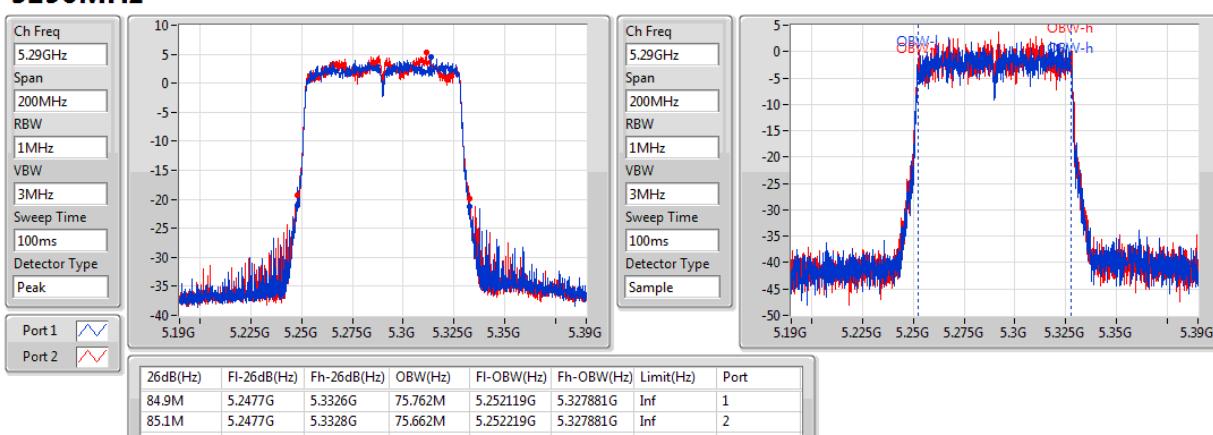
5210MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

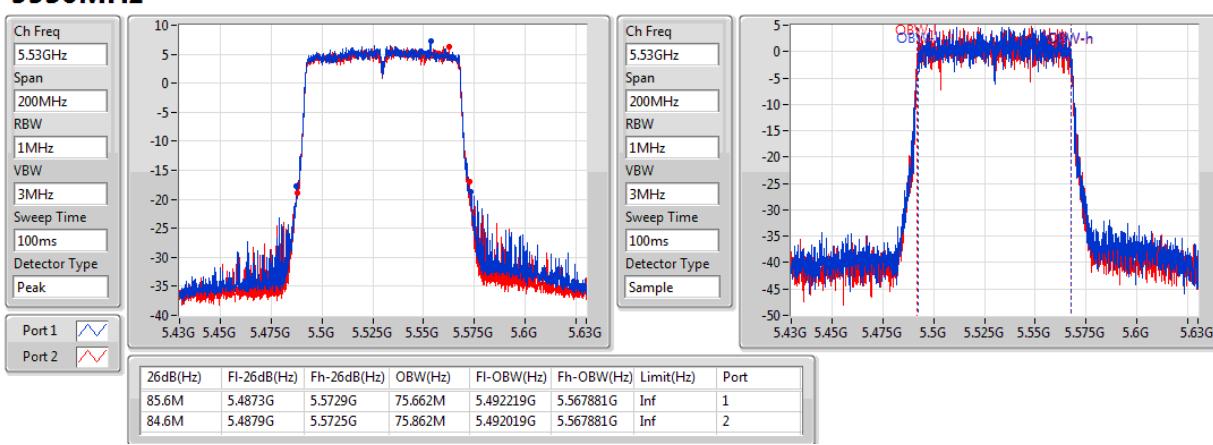
5290MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

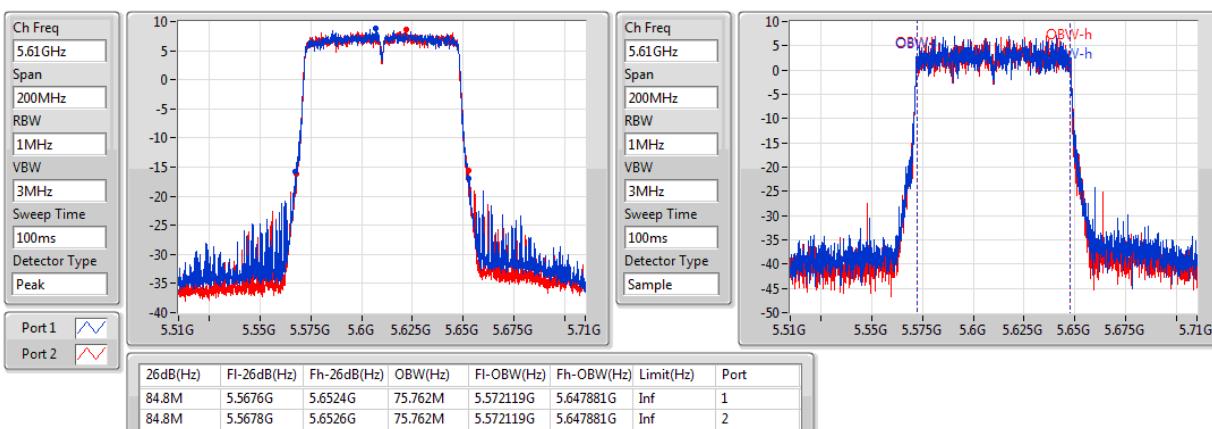




802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

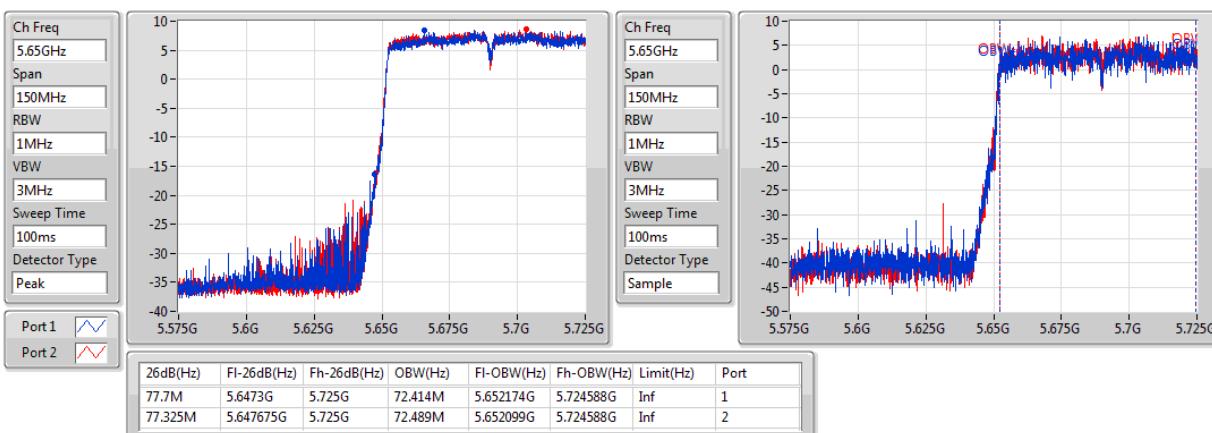
5610MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

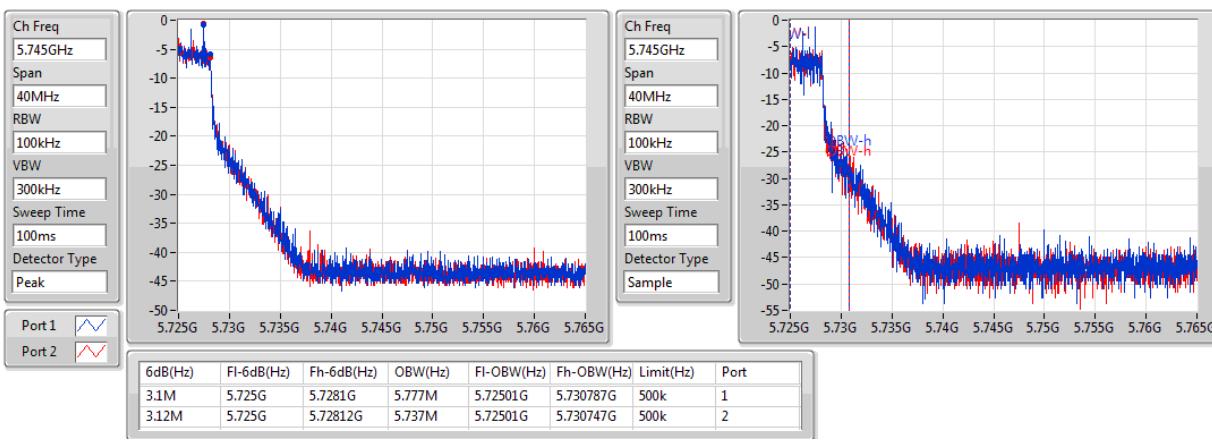
5690MHz Straddle 5.47-5.725GHz

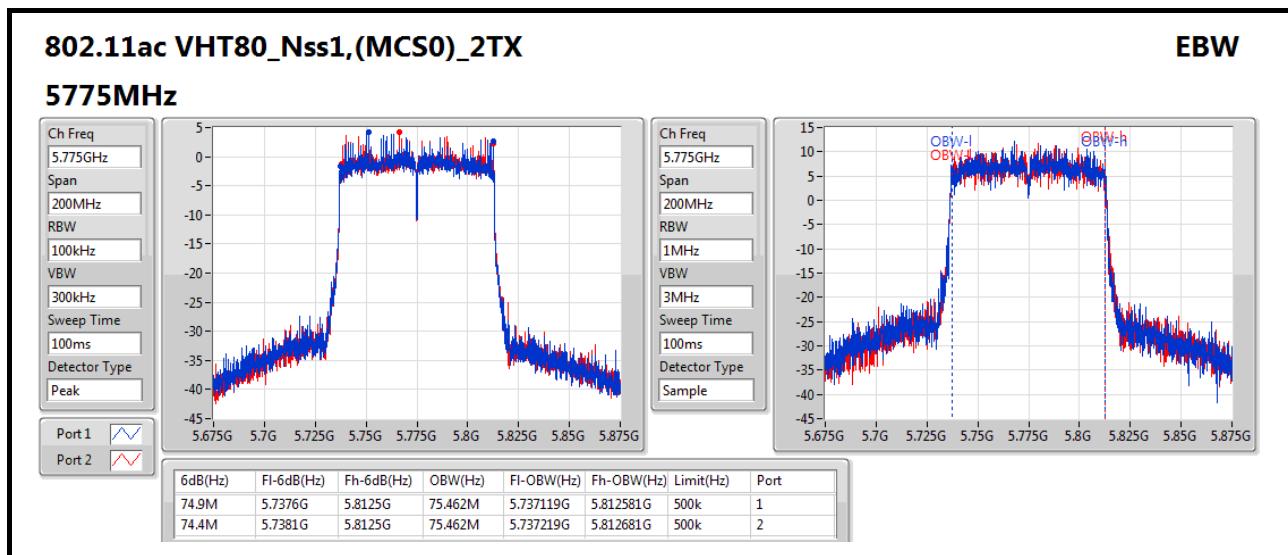


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz







<For Beamforming Mode>

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	21M	17.666M	17M7D1D	19.9M	17.591M
5.25-5.35GHz	20.65M	17.666M	17M7D1D	19.725M	17.516M
5.47-5.725GHz	20.95M	17.666M	17M7D1D	15.09M	13.778M
5.725-5.85GHz	17.525M	17.666M	17M7D1D	3.74M	3.938M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	40.1M	36.032M	36M0D1D	39.75M	35.932M
5.25-5.35GHz	39.9M	36.132M	36M1D1D	39.3M	35.932M
5.47-5.725GHz	39.9M	35.982M	36M0D1D	34.755M	32.779M
5.725-5.85GHz	35.95M	36.082M	36M1D1D	3.1M	3.458M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	85.2M	75.762M	75M8D1D	84.6M	75.562M
5.25-5.35GHz	89.7M	76.162M	76M2D1D	87.9M	76.162M
5.47-5.725GHz	96.4M	76.062M	76M1D1D	78.15M	72.564M
5.725-5.85GHz	76.5M	76.362M	76M4D1D	3.2M	4.338M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.375M	17.591M	21M	17.666M
5200MHz	Pass	Inf	20.825M	17.616M	20.925M	17.616M
5240MHz	Pass	Inf	20.55M	17.616M	19.9M	17.591M
5260MHz	Pass	Inf	20.325M	17.566M	20.4M	17.616M
5300MHz	Pass	Inf	19.775M	17.516M	20.65M	17.666M
5320MHz	Pass	Inf	19.725M	17.541M	20.6M	17.641M
5500MHz	Pass	Inf	20.95M	17.641M	20.55M	17.616M
5580MHz	Pass	Inf	20.825M	17.641M	20.65M	17.591M
5700MHz	Pass	Inf	20.75M	17.666M	20.55M	17.591M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.09M	13.808M	15.27M	13.778M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	3.938M	3.74M	3.958M
5745MHz	Pass	500k	17.525M	17.666M	17.5M	17.616M
5785MHz	Pass	500k	16.875M	17.616M	17.525M	17.666M
5825MHz	Pass	500k	17.525M	17.591M	17.525M	17.641M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.75M	35.932M	39.75M	35.932M
5230MHz	Pass	Inf	39.95M	36.032M	40.1M	35.982M
5270MHz	Pass	Inf	39.75M	36.132M	39.5M	35.932M
5310MHz	Pass	Inf	39.9M	36.032M	39.3M	35.932M
5510MHz	Pass	Inf	39.4M	35.982M	39.6M	35.932M
5550MHz	Pass	Inf	39.9M	35.882M	39.65M	35.882M
5670MHz	Pass	Inf	39.6M	35.932M	39.6M	35.982M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.895M	32.779M	34.755M	32.814M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	3.478M	3.12M	3.458M
5755MHz	Pass	500k	35.95M	35.932M	33.85M	35.982M
5795MHz	Pass	500k	33.7M	36.082M	31.95M	36.082M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	84.6M	75.762M	85.2M	75.562M
5290MHz	Pass	Inf	87.9M	76.162M	89.7M	76.162M
5530MHz	Pass	Inf	89.2M	76.062M	96.4M	75.962M
5610MHz	Pass	Inf	87.7M	75.962M	90.4M	76.062M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	78.15M	72.564M	79.875M	72.789M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	4.338M	3.2M	4.398M
5775MHz	Pass	500k	76.4M	76.262M	76.5M	76.362M

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

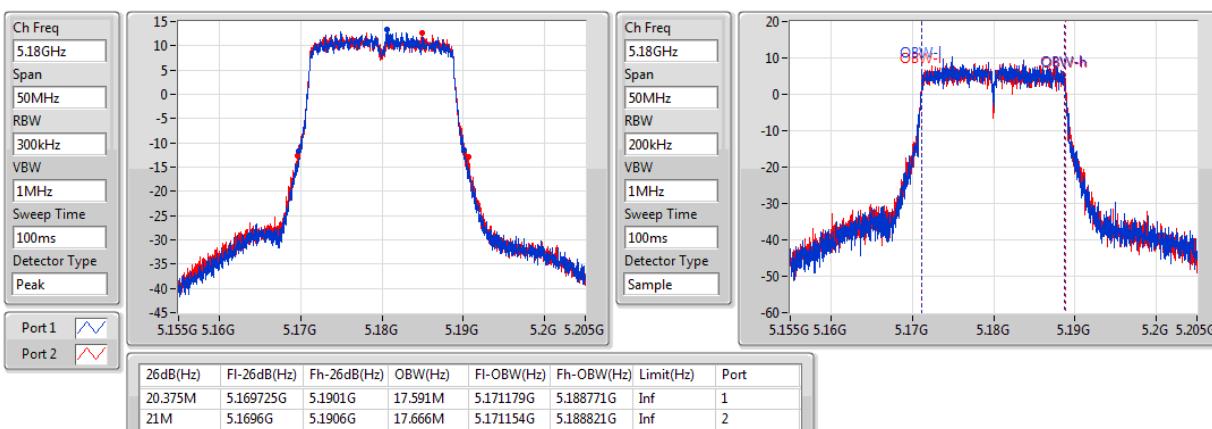
Port X-OBW = Port X 99% occupied bandwidth;



802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

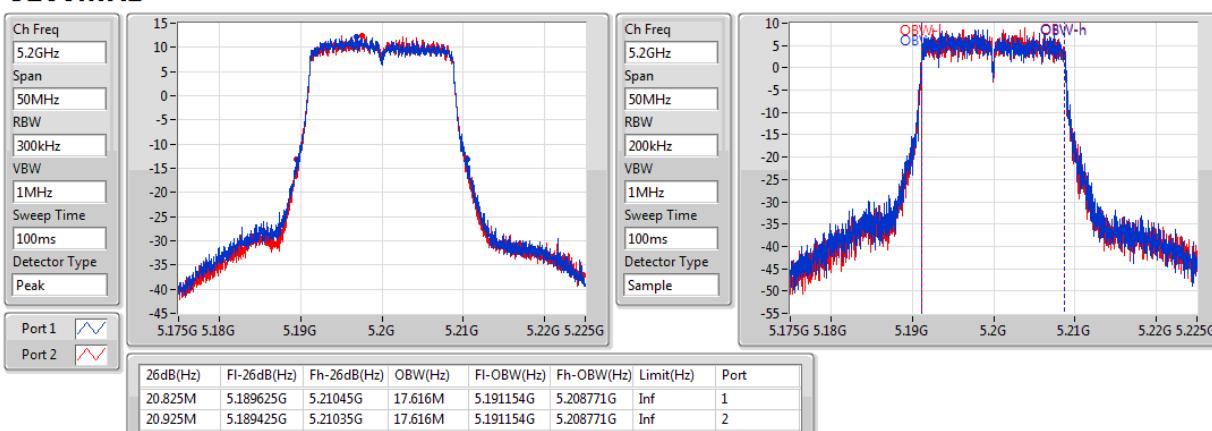
5180MHz



802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5200MHz



802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5240MHz

