

FCC Test Report

Equipment : Dual-Band 802.11ac 4x4 MIMO PCI Express Mini Card
Wireless Network Adapter

Brand Name : LITE-ON

Model No. : WM6687

FCC ID : PPQ-WM6687

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 : Lite-On Technology Corp.
Bldg. C, 90, Chien 1 Road, Chung Ho, New Taipei City
23585, Taiwan, R.O.C

Manufacturer : Lite-On Network Communication (Dongguan) Limited
30#Keji Rd.,Yin Hu Industrial Area,Qingxi
Town,DongGuan City,Guangdong,China

Function : ☐ Outdoor; ☐ Indoor; ☐ Fixed P2P
☒ Client

TPC Function : ☒ With TPC ☐ Without TPC

The product sample received on May 02, 2017 and completely tested on Jun. 15, 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.


Sam Chen
SPORTON INTERNATIONAL INC.

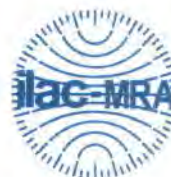


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Summary of Test Result

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



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FCC ID: PPQ-WM6687

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	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT20-BF	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11n HT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11n HT20-BF	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT20-BF	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11n HT40-BF	40	4TX

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

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, 1024QAM 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	Model Name (P/N)	Antenna Type	Connector	Gain (dBi)	Remark
1	PSA	RFDPA171300SBLB802	Dipole Antenna	Reversed-SMA	Note 1	-
2	ethertronics	M830520	Ceramic Antenna	N/A	Note 1	Connect with Black Cable or Grey Cable

Note 1:

Set	Gain (dBi)		Cable loss (dB)		True Gain (dBi)		Remark
	2.4GHz	5GHz	2.4GHz	5GHz	2.4GHz	5GHz	
1	4.03	5.4	0.5	0.5	3.53	4.9	-
2	1.1	3.2	1.2	2.2	-0.1	1	Black Cable (Long)
			0.5	0.9	0.6	2.3	Gray Cable (Short)

Note 2:

The EUT has two sets of antennas and there are four antennas for each set.

The Set 2 antennas can connect with black and gray cable. After evaluating, gray cable was select as the representative cable for the test and its data was recorded in this report.

<For 2.4GHz Function>
For IEEE 802.11b/g/n/ac mode (4TX, 4RX):

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

<For 5GHz Function>
For IEEE 802.11a/n/ac mode (4TX, 4RX):

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

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)
802.11a	0.986	0.061
802.11ac VHT20	0.987	0.057
802.11ac VHT20-BF	0.856	0.675
802.11ac VHT40	0.957	0.191
802.11ac VHT40-BF	0.846	0.726
802.11ac VHT80	0.904	0.438
802.11ac VHT80-BF	0.814	0.894

1.1.4 EUT Operational Condition

EUT Power Type	From Host system			
Beamforming Function	☒	With beamforming	☐	Without beamforming
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz

Note: The product has beamforming function for 802.11n in 5GHz and 802.11ac in 2.4GHz/5GHz.

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				
☐	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
☒	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	Lucke Hsieh & Stim Song	22°C / 54%	May 04, 2017~ Jun. 12, 2017
Radiated	03CH01-CB	Mason Chen & Paul Chen & Zero Chen & Welson Chen & Eason Chen	22°C / 54%	May 03, 2017~ Jun. 15, 2017
AC Conduction	CO01-CB	Kane Liu	23°C / 56%	Jun. 14, 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 x10 ⁻⁸	Confidence levels of 95%
Frequency Stability	6.06 x10 ⁻⁸	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For Mode 1 (Antenna Set 1):

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	50
5200MHz	50
5240MHz	51
5260MHz	52
5300MHz	53
5320MHz	53
5500MHz	55
5580MHz	55
5700MHz	57
5720MHz Straddle 5.47-5.725GHz	57
5720MHz Straddle 5.725-5.85GHz	57
5745MHz	120
5785MHz	120
5825MHz	120
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	51
5200MHz	51
5240MHz	51
5260MHz	53
5300MHz	53
5320MHz	54
5500MHz	56
5580MHz	55
5700MHz	57
5720MHz Straddle 5.47-5.725GHz	58
5720MHz Straddle 5.725-5.85GHz	58
5745MHz	120
5785MHz	120
5825MHz	120
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	63
5230MHz	63
5270MHz	65
5310MHz	65
5510MHz	68
5550MHz	68



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Mode	Power Setting
5670MHz	70
5710MHz Straddle 5.47-5.725GHz	70
5710MHz Straddle 5.725-5.85GHz	70
5755MHz	88
5795MHz	85
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	46
5290MHz	43
5530MHz	50
5610MHz	78
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80
5775MHz	74
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	51
5200MHz	51
5240MHz	51
5260MHz	53
5300MHz	53
5320MHz	53
5500MHz	55
5580MHz	55
5700MHz	57
5720MHz Straddle 5.47-5.725GHz	57
5720MHz Straddle 5.725-5.85GHz	57
5745MHz	77
5785MHz	77
5825MHz	78
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	49
5230MHz	49
5270MHz	50
5310MHz	50
5510MHz	52
5550MHz	52
5670MHz	55
5710MHz Straddle 5.47-5.725GHz	57
5710MHz Straddle 5.725-5.85GHz	57
5755MHz	77
5795MHz	78
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	49



Mode	Power Setting
5290MHz	44
5530MHz	44
5610MHz	56
5690MHz Straddle 5.47-5.725GHz	58
5690MHz Straddle 5.725-5.85GHz	58
5775MHz	79

For Mode 2 (Antenna Set 2 with Gray Cable):

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	60
5200MHz	60
5240MHz	59
5260MHz	60
5300MHz	60
5320MHz	61
5500MHz	64
5580MHz	64
5700MHz	65
5720MHz Straddle 5.47-5.725GHz	65
5720MHz Straddle 5.725-5.85GHz	65
5745MHz	120
5785MHz	120
5825MHz	120
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	62
5200MHz	62
5240MHz	62
5260MHz	62
5300MHz	62
5320MHz	63
5500MHz	66
5580MHz	65
5700MHz	66
5720MHz Straddle 5.47-5.725GHz	66
5720MHz Straddle 5.725-5.85GHz	66
5745MHz	120
5785MHz	120
5825MHz	120
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	58
5230MHz	69



Mode	Power Setting
5270MHz	69
5310MHz	60
5510MHz	61
5550MHz	73
5670MHz	73
5710MHz Straddle 5.47-5.725GHz	76
5710MHz Straddle 5.725-5.85GHz	76
5755MHz	120
5795MHz	120
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	52
5290MHz	48
5530MHz	55
5610MHz	80
5690MHz Straddle 5.47-5.725GHz	78
5690MHz Straddle 5.725-5.85GHz	78
5775MHz	79
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	59
5200MHz	59
5240MHz	59
5260MHz	59
5300MHz	59
5320MHz	59
5500MHz	62
5580MHz	63
5700MHz	64
5720MHz Straddle 5.47-5.725GHz	64
5720MHz Straddle 5.725-5.85GHz	64
5745MHz	88
5785MHz	88
5825MHz	88
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	55
5230MHz	59
5270MHz	60
5310MHz	54
5510MHz	61
5550MHz	63
5670MHz	65
5710MHz Straddle 5.47-5.725GHz	66
5710MHz Straddle 5.725-5.85GHz	66



Mode	Power Setting
5755MHz	86
5795MHz	86
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	55
5290MHz	48
5530MHz	53
5610MHz	66
5690MHz Straddle 5.47-5.725GHz	67
5690MHz Straddle 5.725-5.85GHz	67
5775MHz	88

Note1:

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.

Note2:

There are two functions of EUT, one is beamforming function, and the other is non-beamforming function for 802.11n in 5GHz band / 802.11ac in 2.4GHz band and 5GHz band. All test results were recorded in the report

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT + Antenna Set 1
2	EUT + Antenna Set 2 with Gray Cable
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability
Test Condition	Conducted measurement at transmit chains
Operating Mode	CTX
1	EUT + Antenna Set 1
2	EUT + Antenna Set 2 with Gray Cable

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT at X-axis + Antenna Set 1
2	EUT at Y-axis + Antenna Set 1
3	EUT at Z-axis + Antenna Set 1
4	EUT at X-axis + Antenna Set 2 with Gray Cable
5	EUT at Y-axis + Antenna Set 2 with Gray Cable
6	EUT at Z-axis + Antenna Set 2 with Gray Cable
For operating mode 6 is the worst case and it was record in this test report.	

Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at X axis. So the measurement will follow this same test configuration for Antenna Set 1. The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Z axis. So the measurement will follow this same test configuration for Antenna Set 2.	
1	EUT at X-axis + Antenna Set 1
2	EUT at Z-axis + Antenna Set 2 with Gray Cable

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 DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E6430	DoC
2	AP Router	Planex	GW-AP54SGX	KA220030603014-1
3	Fixture	BCM	BCM58535EAP	N/A

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

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	WLAN AP	D-LINK	DIR860L	KA21R860LA1
3	Fixture	BCM	BCM58535EAP	N/A

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

For Non-Beamforming Mode:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Fixture	BCM	BCM58535EAP	N/A

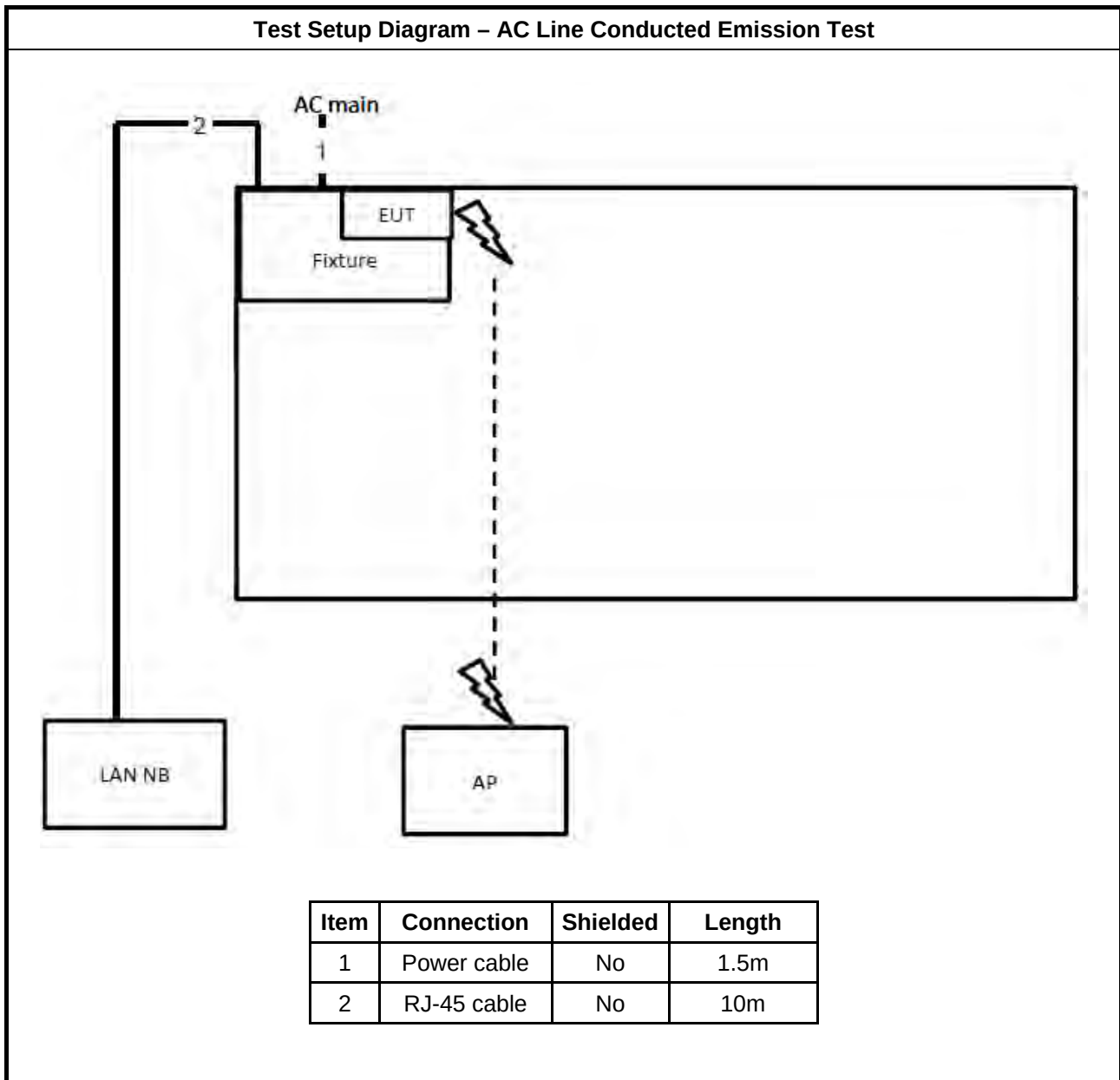
For Beamforming Mode:

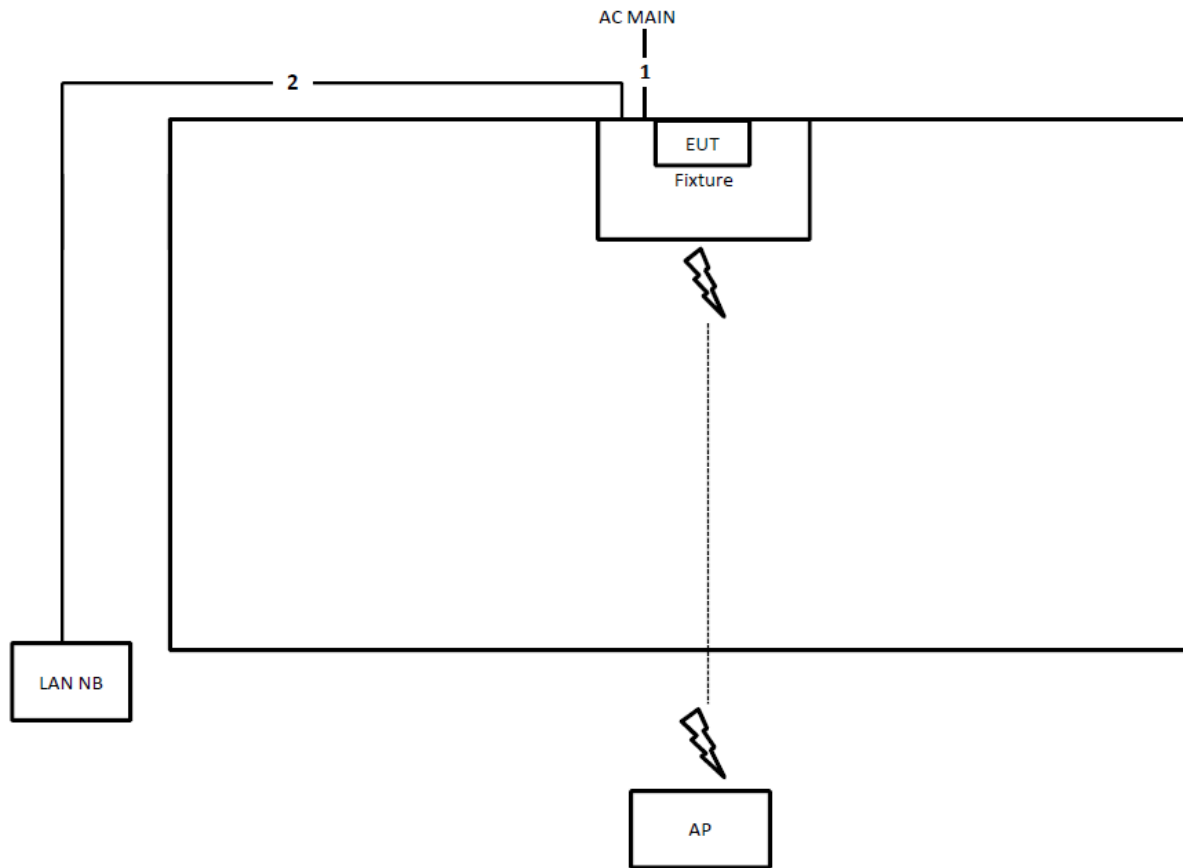
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*2	DELL	E4300	DoC
2	RX Device (Dual-Band 802.11ac 4x4 MIMO PCI Express Mini Card Wireless Network Adapter)	LITE-ON	WM6687	PPQ-WM6687
3	Fixture	BCM	BCM58535EAP	N/A

For Test Site No: TH01-CB

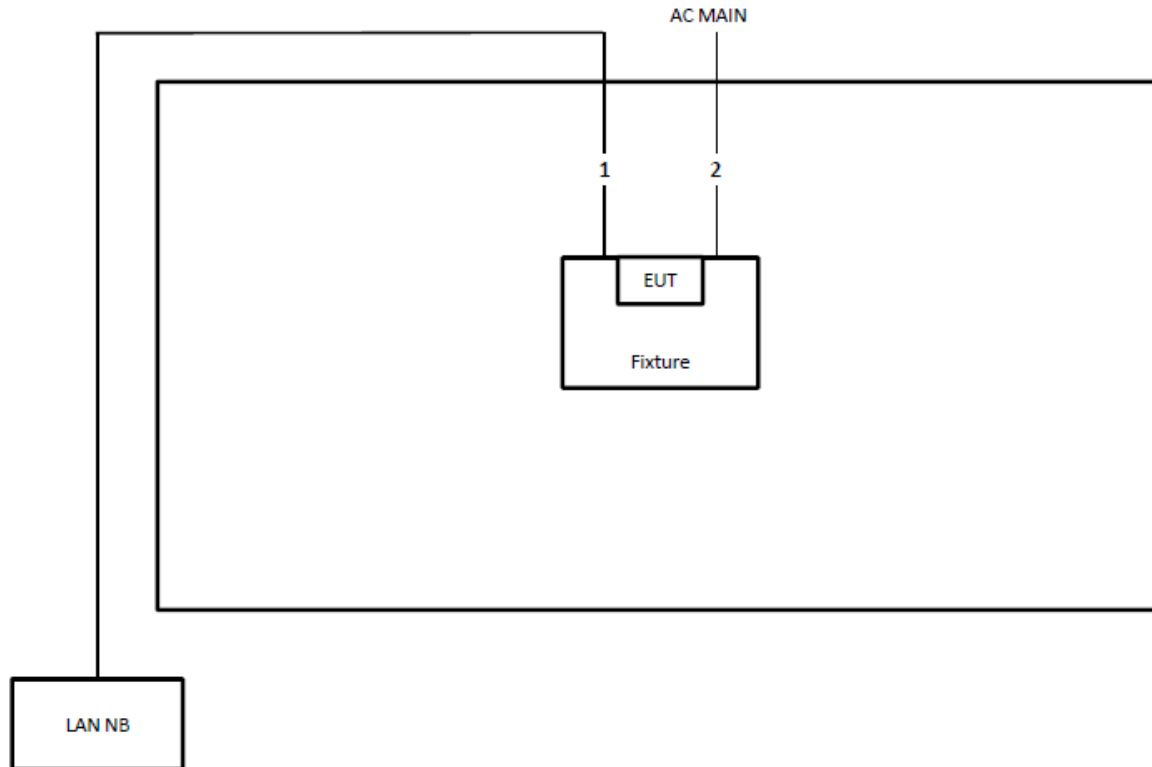
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Fixture	BCM	BCM58535EAP	N/A

2.6 Test Setup Diagram

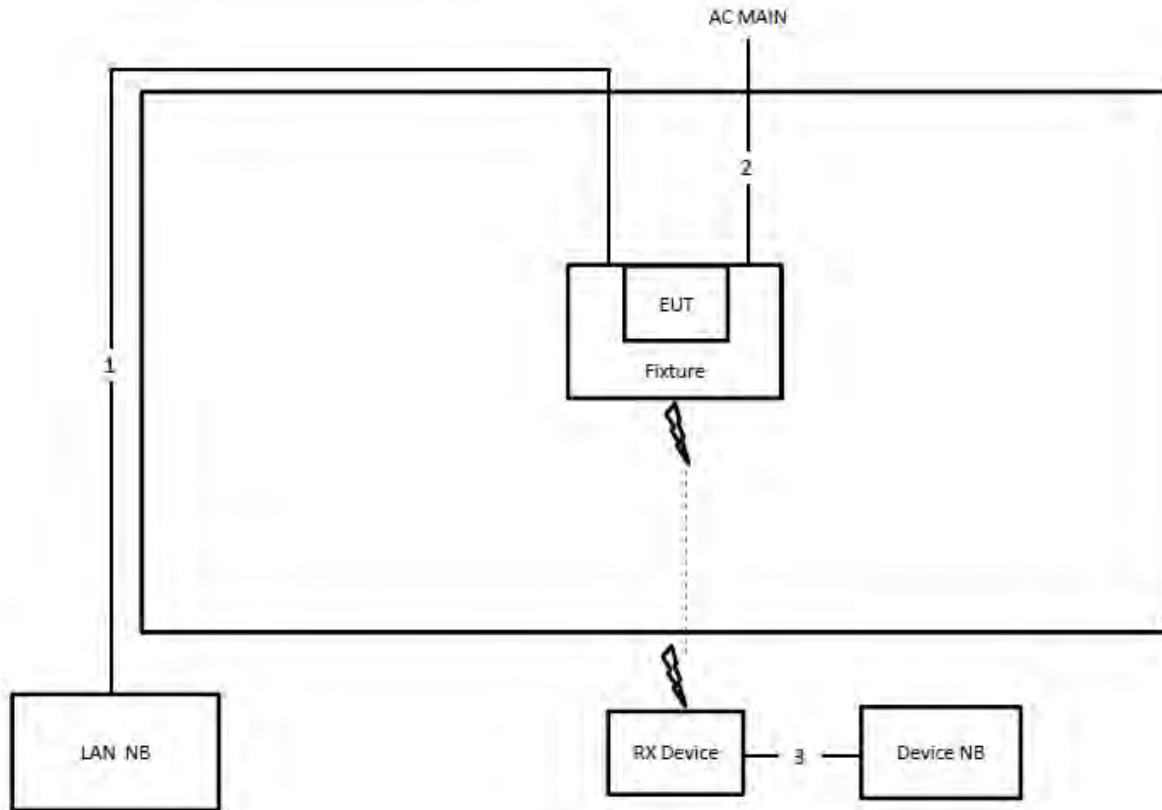


Test Setup Diagram - Radiated Test < 1GHz


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

For Non-Beamforming Mode:
Test Setup Diagram - Radiated Test > 1GHz


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

For Beamforming Mode:
Test Setup Diagram - Radiated Test > 1GHz


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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

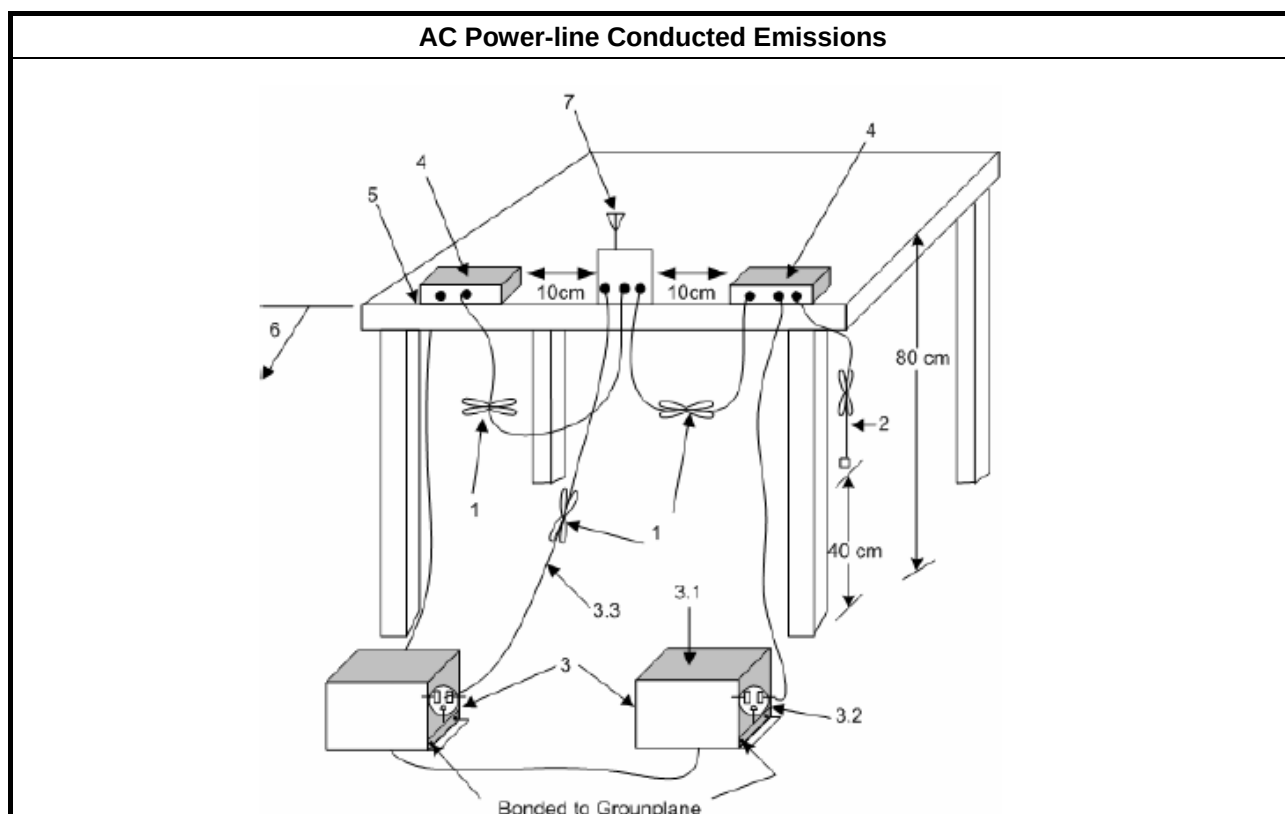
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ 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

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

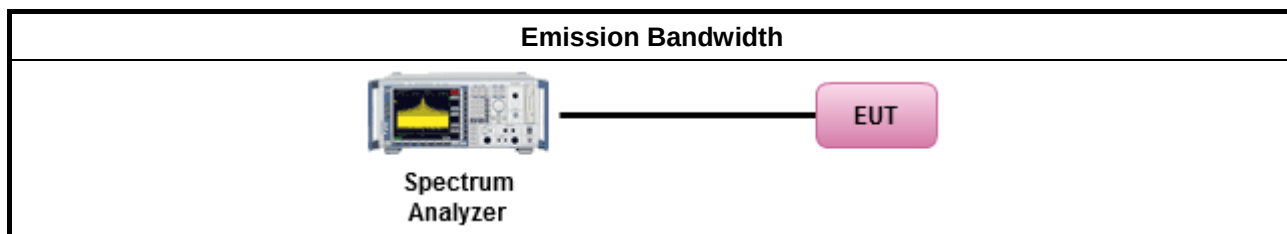
3.2.2 Measuring Instruments

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:	
☒	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☒	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

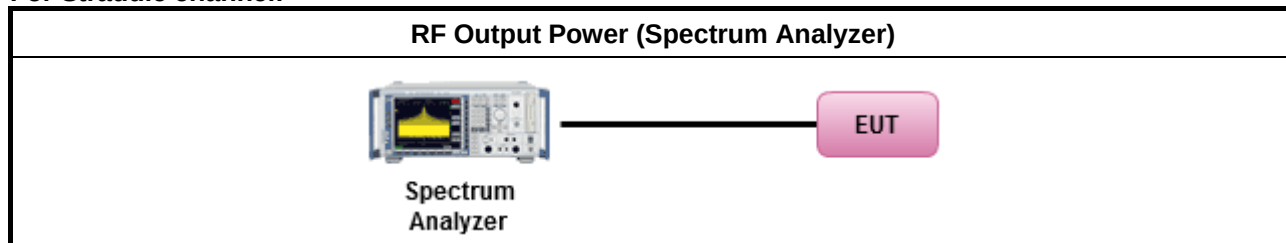
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

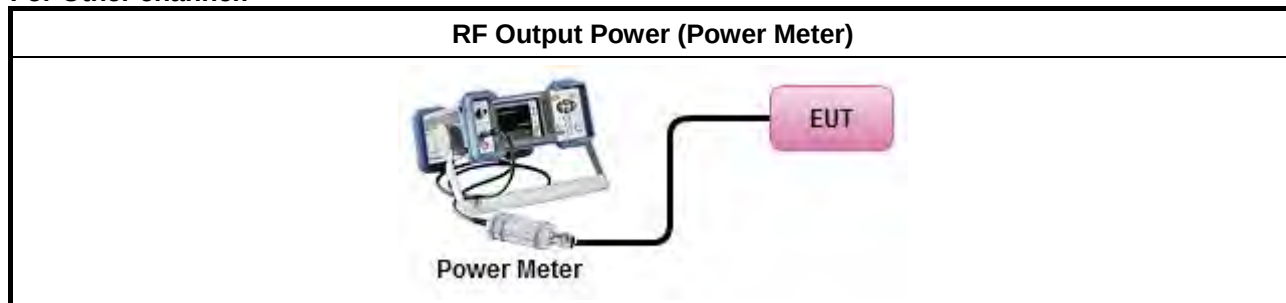
Test Method	
Maximum Conducted Output Power	
Average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
Wideband RF power meter and average over on/off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

3.3.4 Test Setup

For Straddle channel:



For Other channel:



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the peak power spectral density (PPSD) ≤ 4 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.	
	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.	
☐ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

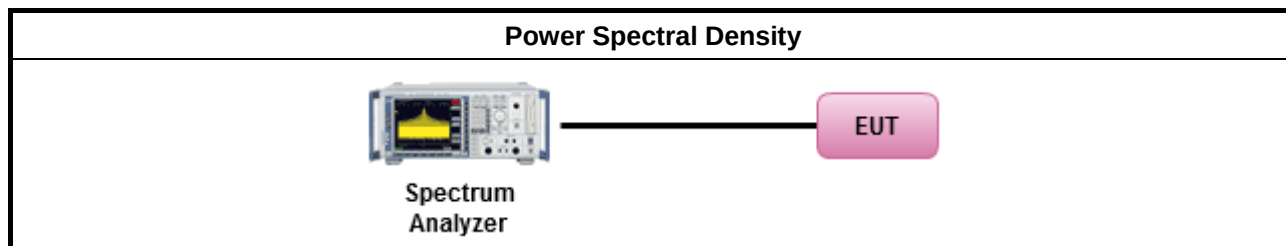
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as FCC KDB 789033, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
[duty cycle ≥ 98% or external video / power trigger]	
☒ Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).	
☐ Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)	
duty cycle < 98% and average over on/off periods with duty factor	
☒ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).	
☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	
☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,	
☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.	
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup





3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

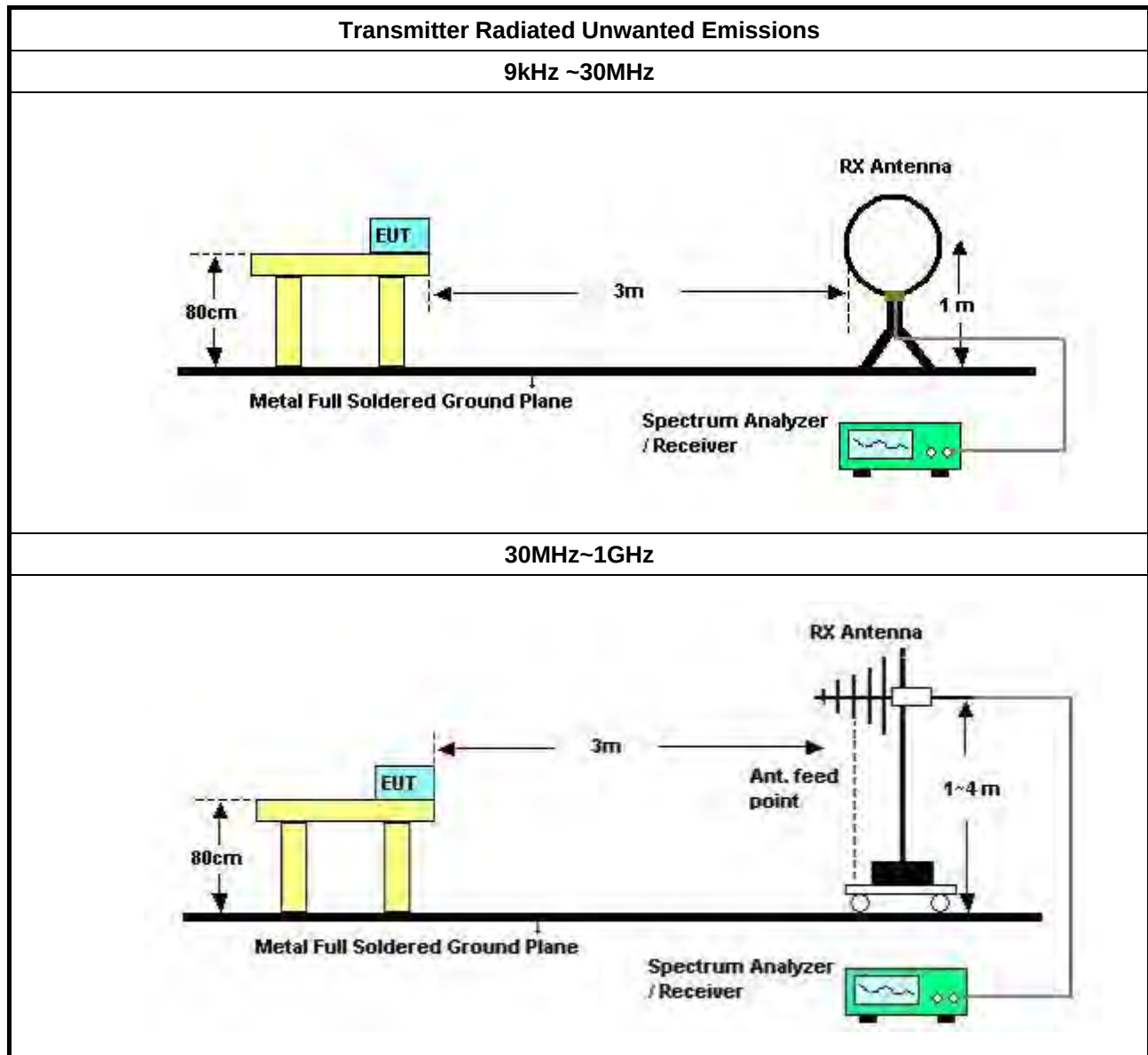
3.5.2 Measuring Instruments

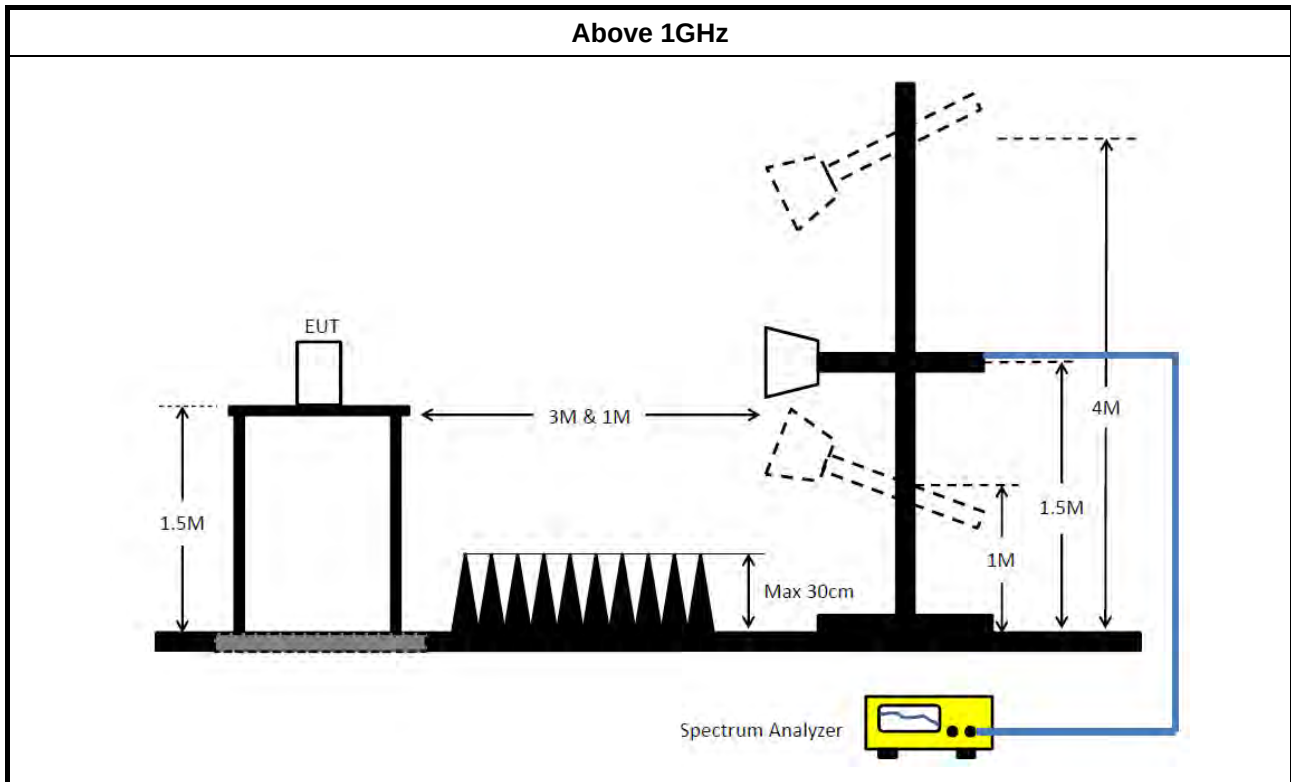
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033, H)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033, clause H)5) measurement procedure peak limit.
	☐ Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
	For radiated measurement.
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	The any unwanted emissions level shall not exceed the fundamental emission level.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

Frequency Stability Limit	
UNII Devices	
In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.	
LE-LAN Devices	
N/A	
IEEE Std. 802.11	
The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.	

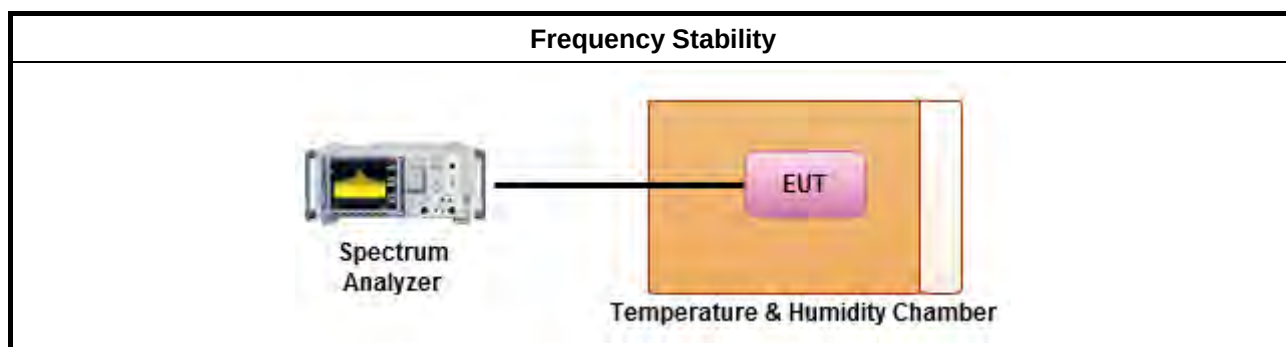
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method	
Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
	Frequency stability with respect to ambient temperature
	Frequency stability when varying supply voltage
	Extreme temperature is 0°C~45°C.

3.6.4 Test Setup





3.6.5 Test Result of Frequency Stability

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 23, 2017	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 14, 2016	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2016	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 2016	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jun. 28, 2016	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 16, 2016	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (03CH01-CB)



FCC Test Report

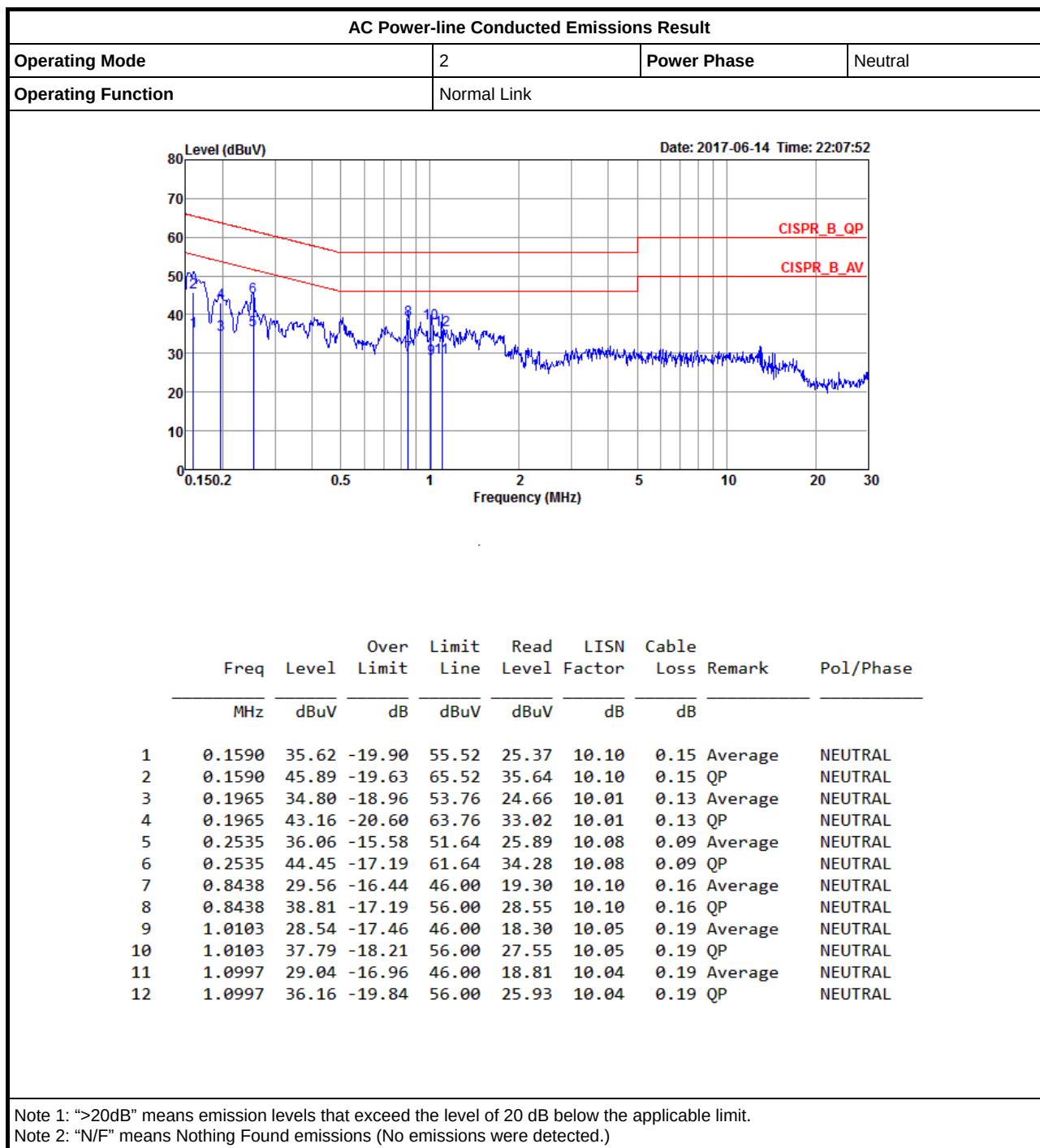
Report No. : FR741229AB

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Test Software	Audix	E3	6.2009-I0-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2016	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz~26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz~26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz~26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz~26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz~26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

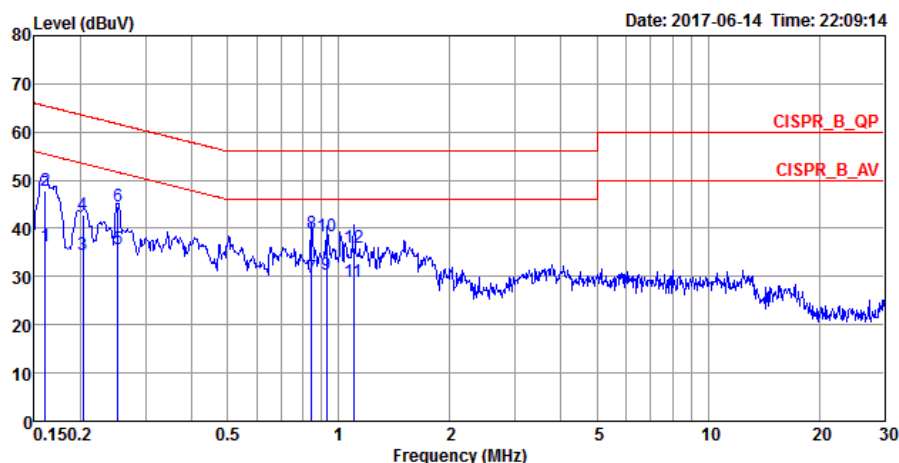
*Calibration Interval of instruments listed above is two year.

N.C.R. means Non-Calibration required.



AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Line
Operating Function	Normal Link		



	Freq	Level	Over	Limit	Read	LISN	Cable	Remark	Pol/Phase
	MHz	dBuV	Limit	Line	Level	Factor	Loss		
			dB	dBuV	dBuV	dB	dB		
1	0.1607	36.35	-19.08	55.43	26.20	10.00	0.15	Average	LINE
2	0.1607	47.90	-17.53	65.43	37.75	10.00	0.15	QP	LINE
3	0.2029	34.67	-18.82	53.49	24.63	9.91	0.13	Average	LINE
4	0.2029	42.80	-20.69	63.49	32.76	9.91	0.13	QP	LINE
5	0.2521	35.72	-15.97	51.69	25.71	9.92	0.09	Average	LINE
6	0.2521	44.43	-17.26	61.69	34.42	9.92	0.09	QP	LINE
7	0.8438	29.70	-16.30	46.00	19.58	9.96	0.16	Average	LINE
8	0.8438	39.04	-16.96	56.00	28.92	9.96	0.16	QP	LINE
9	0.9282	30.43	-15.57	46.00	20.29	9.96	0.18	Average	LINE
10	0.9282	38.26	-17.74	56.00	28.12	9.96	0.18	QP	LINE
11	1.0997	29.02	-16.98	46.00	18.87	9.96	0.19	Average	LINE
12	1.0997	36.09	-19.91	56.00	25.94	9.96	0.19	QP	LINE

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.)

**For Mode 1 (Antenna Set 1):
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-
5.15-5.25GHz	21.6M	16.667M	16M7D1D	21.325M	16.567M
5.25-5.35GHz	21.625M	16.617M	16M6D1D	21.35M	16.517M
5.47-5.725GHz	21.725M	16.642M	16M6D1D	15.585M	13.223M
5.725-5.85GHz	16.4M	35.682M	35M7D1D	3.2M	3.958M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	21.85M	17.791M	17M8D1D	21.475M	17.716M
5.25-5.35GHz	22.025M	17.791M	17M8D1D	21.375M	17.716M
5.47-5.725GHz	22.125M	17.791M	17M8D1D	15.765M	13.838M
5.725-5.85GHz	17.7M	37.431M	37M4D1D	3.82M	4.338M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	66.7M	36.382M	36M4D1D	39.95M	36.182M
5.25-5.35GHz	68.7M	36.332M	36M3D1D	40.5M	36.232M
5.47-5.725GHz	73.1M	36.382M	36M4D1D	35.7M	32.989M
5.725-5.85GHz	36.35M	67.166M	67M2D1D	3.2M	6.777M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	81.4M	75.162M	75M2D1D	80.6M	74.863M
5.25-5.35GHz	82.3M	75.862M	75M9D1D	81.3M	75.562M
5.47-5.725GHz	149.9M	76.162M	76M2D1D	81.2M	72.564M
5.725-5.85GHz	76.3M	76.262M	76M3D1D	3.22M	32.984M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	21.925M	17.791M	17M8D1D	21.425M	17.716M
5.25-5.35GHz	21.9M	17.791M	17M8D1D	21.3M	17.716M
5.47-5.725GHz	22.05M	17.766M	17M8D1D	15.69M	13.838M
5.725-5.85GHz	17.6M	19.44M	19M4D1D	3.78M	4.238M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	40.25M	36.282M	36M3D1D	39.7M	36.182M
5.25-5.35GHz	40.45M	36.282M	36M3D1D	39.7M	36.182M
5.47-5.725GHz	40.4M	36.332M	36M3D1D	34.895M	32.954M
5.725-5.85GHz	36.35M	37.481M	37M5D1D	3.16M	3.578M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	81.1M	75.362M	75M4D1D	80.9M	74.963M
5.25-5.35GHz	82.2M	75.962M	76M0D1D	81.5M	75.762M
5.47-5.725GHz	82.3M	75.962M	76M0D1D	75.525M	72.414M
5.725-5.85GHz	75.9M	76.662M	76M7D1D	3.16M	3.958M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

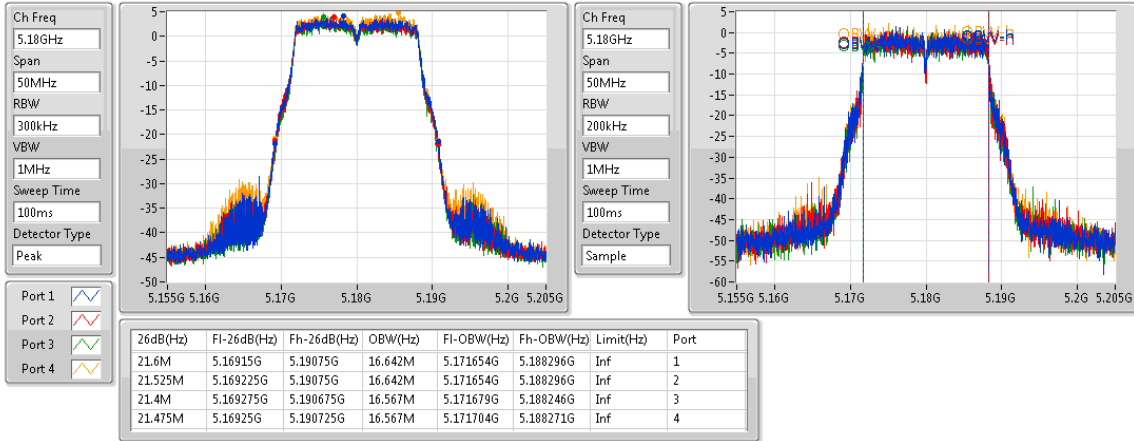
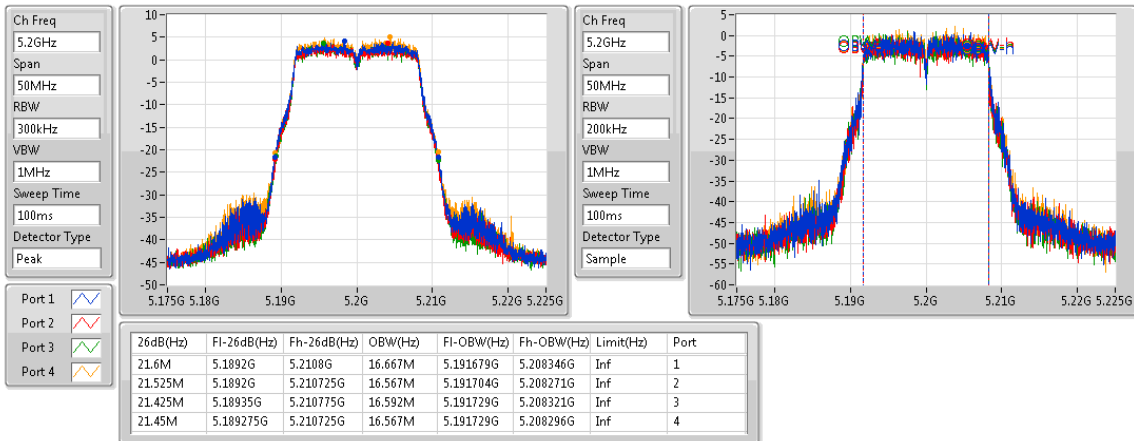
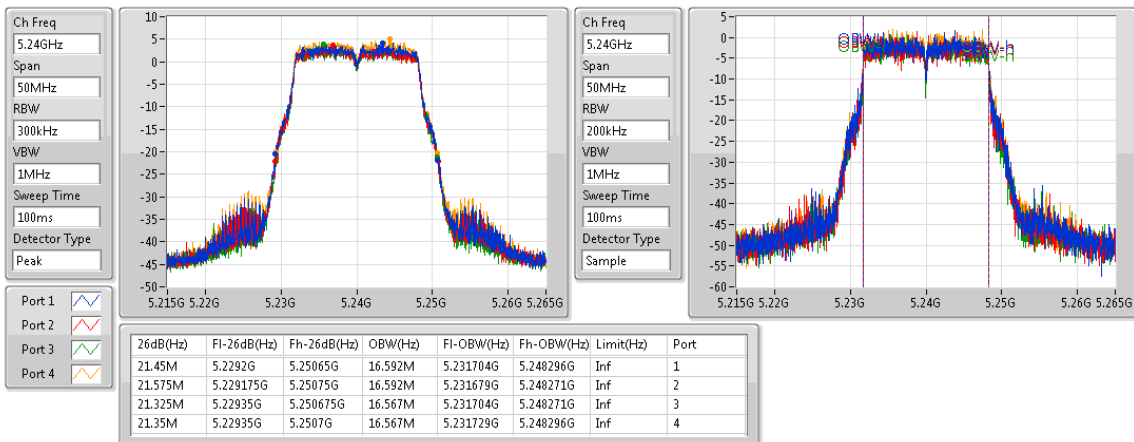
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.6M	16.642M	21.525M	16.642M	21.4M	16.567M	21.475M	16.567M
5200MHz	Pass	Inf	21.6M	16.667M	21.525M	16.567M	21.425M	16.592M	21.45M	16.567M
5240MHz	Pass	Inf	21.45M	16.592M	21.575M	16.592M	21.325M	16.567M	21.35M	16.567M
5260MHz	Pass	Inf	21.625M	16.567M	21.45M	16.542M	21.375M	16.567M	21.4M	16.617M
5300MHz	Pass	Inf	21.625M	16.617M	21.475M	16.567M	21.35M	16.567M	21.425M	16.567M
5320MHz	Pass	Inf	21.45M	16.617M	21.575M	16.567M	21.45M	16.517M	21.375M	16.542M
5500MHz	Pass	Inf	21.5M	16.567M	21.45M	16.592M	21.425M	16.542M	21.45M	16.567M
5580MHz	Pass	Inf	21.5M	16.617M	21.4M	16.642M	21.4M	16.542M	21.425M	16.517M
5700MHz	Pass	Inf	21.725M	16.617M	21.575M	16.617M	21.45M	16.617M	21.425M	16.592M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.78M	13.343M	15.66M	13.298M	15.615M	13.313M	15.585M	13.223M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	3.978M	3.2M	3.998M	3.2M	3.978M	3.2M	3.958M
5745MHz	Pass	500k	16.325M	33.258M	16.35M	35.682M	16.3M	34.458M	16.375M	34.883M
5785MHz	Pass	500k	16.35M	32.584M	16.325M	35.057M	16.325M	34.183M	16.4M	34.333M
5825MHz	Pass	500k	16.325M	32.259M	16.325M	35.257M	16.35M	34.683M	16.4M	34.983M
802.11ac VHT20_Nss1,(MCS0)_ 4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.85M	17.766M	21.6M	17.766M	21.55M	17.766M	21.55M	17.791M
5200MHz	Pass	Inf	21.8M	17.741M	21.475M	17.741M	21.575M	17.741M	21.675M	17.741M
5240MHz	Pass	Inf	21.825M	17.741M	21.625M	17.766M	21.475M	17.741M	21.7M	17.716M
5260MHz	Pass	Inf	22.025M	17.791M	21.65M	17.766M	21.625M	17.766M	21.525M	17.716M
5300MHz	Pass	Inf	21.875M	17.766M	21.625M	17.716M	21.475M	17.741M	21.825M	17.766M
5320MHz	Pass	Inf	21.875M	17.716M	21.5M	17.716M	21.375M	17.741M	21.825M	17.791M
5500MHz	Pass	Inf	21.725M	17.791M	21.675M	17.741M	21.5M	17.791M	21.7M	17.791M
5580MHz	Pass	Inf	22.125M	17.791M	21.525M	17.741M	21.55M	17.766M	21.7M	17.741M
5700MHz	Pass	Inf	21.8M	17.741M	21.525M	17.766M	21.7M	17.766M	21.775M	17.716M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.765M	13.883M	15.81M	13.838M	15.765M	13.868M	15.885M	13.883M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.82M	4.358M	3.84M	4.338M	3.84M	4.338M	3.84M	4.378M
5745MHz	Pass	500k	17.275M	35.082M	17.7M	37.431M	17.6M	36.732M	17.5M	36.907M
5785MHz	Pass	500k	17.55M	34.533M	17.575M	37.056M	17.625M	35.832M	17.25M	36.782M
5825MHz	Pass	500k	17.575M	34.333M	17.55M	37.206M	17.575M	36.757M	17.525M	36.782M
802.11ac VHT40_Nss1,(MCS0)_ 4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	66.7M	36.232M	41.6M	36.332M	46.95M	36.232M	45.8M	36.282M
5230MHz	Pass	Inf	65.8M	36.282M	44.05M	36.232M	39.95M	36.182M	47.75M	36.382M
5270MHz	Pass	Inf	68.7M	36.282M	41.8M	36.332M	44.4M	36.282M	61M	36.232M
5310MHz	Pass	Inf	62M	36.282M	40.5M	36.282M	44.3M	36.232M	46.85M	36.332M
5510MHz	Pass	Inf	65.65M	36.232M	49.4M	36.332M	48.3M	36.332M	66.7M	36.282M
5550MHz	Pass	Inf	73.1M	36.182M	48.25M	36.382M	48.7M	36.282M	55.7M	36.332M
5670MHz	Pass	Inf	64.95M	36.282M	43.2M	36.382M	66.55M	36.282M	64.9M	36.282M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	42.77M	33.023M	35.7M	32.989M	42.175M	33.023M	43.995M	32.989M

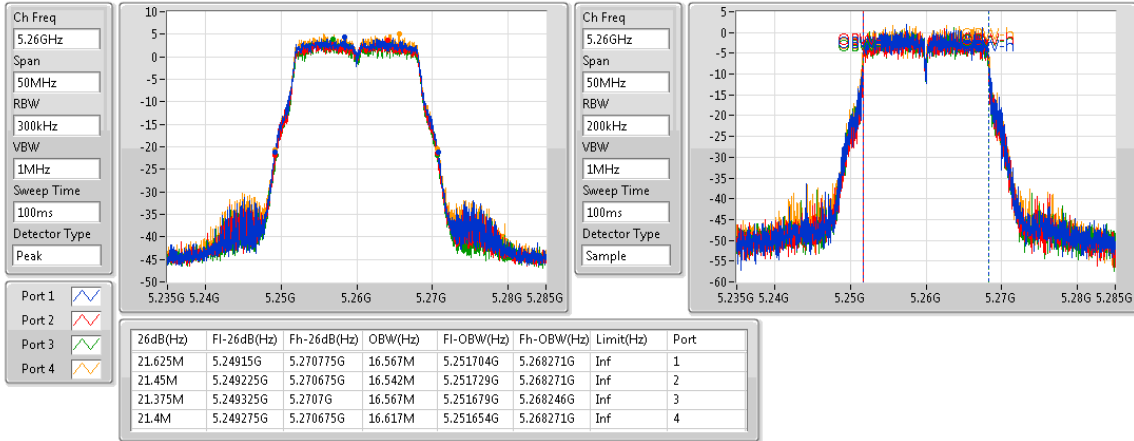
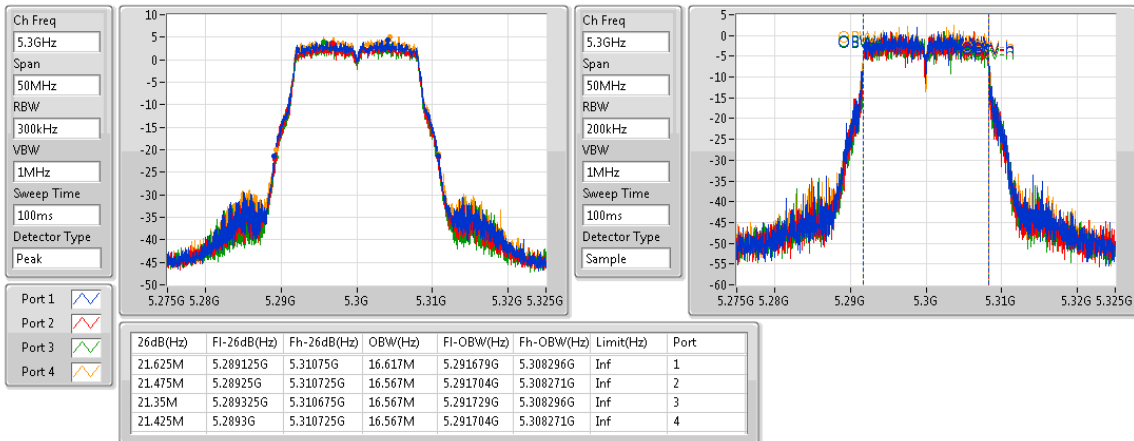
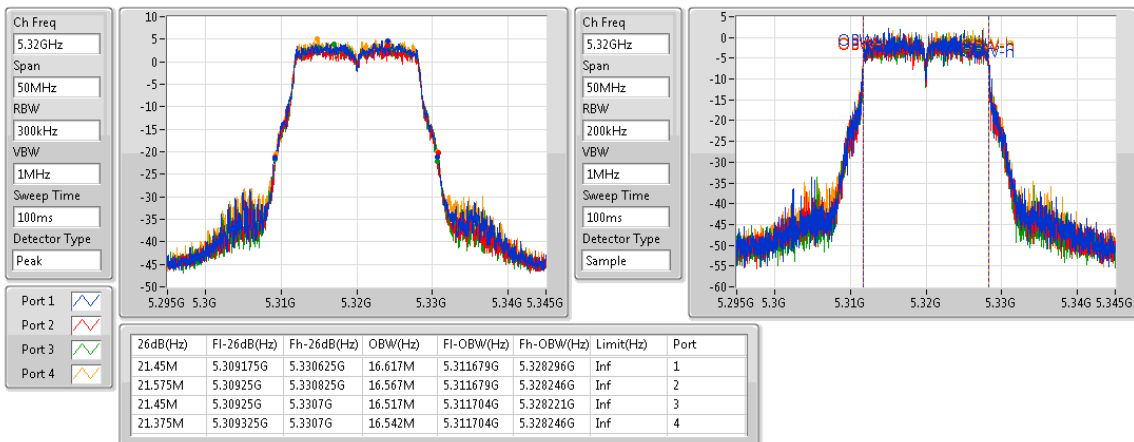
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.26M	8.276M	3.22M	6.777M	3.2M	9.775M	3.24M	9.815M
5755MHz	Pass	500k	36.35M	57.821M	36.35M	67.166M	36.3M	63.518M	36.3M	66.817M
5795MHz	Pass	500k	36.3M	55.322M	36.35M	65.767M	36.35M	58.771M	36.3M	60.82M
802.11ac VHT80_Nss1,(MCS0)_ 4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.4M	74.863M	81.1M	75.162M	80.6M	75.062M	80.8M	75.062M
5290MHz	Pass	Inf	82.3M	75.862M	81.6M	75.662M	81.3M	75.562M	81.7M	75.762M
5530MHz	Pass	Inf	82.8M	75.762M	81.7M	75.862M	81.2M	75.762M	81.7M	75.762M
5610MHz	Pass	Inf	144.4M	76.062M	136.2M	76.162M	144.6M	76.062M	149.9M	76.062M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	105.15M	72.639M	108.525M	72.714M	108.6M	72.564M	108.075M	72.639M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.28M	34.063M	3.28M	32.984M	3.22M	34.203M	3.22M	34.383M
5775MHz	Pass	500k	75.4M	75.862M	76.3M	76.062M	75.1M	75.862M	75.5M	76.262M
802.11ac VHT20-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.925M	17.766M	21.7M	17.741M	21.525M	17.766M	21.65M	17.741M
5200MHz	Pass	Inf	21.9M	17.791M	21.525M	17.716M	21.6M	17.716M	21.75M	17.791M
5240MHz	Pass	Inf	21.85M	17.766M	21.425M	17.716M	21.55M	17.741M	21.525M	17.766M
5260MHz	Pass	Inf	21.9M	17.791M	21.3M	17.791M	21.425M	17.716M	21.475M	17.716M
5300MHz	Pass	Inf	21.825M	17.741M	21.575M	17.716M	21.725M	17.716M	21.9M	17.741M
5320MHz	Pass	Inf	21.875M	17.766M	21.6M	17.716M	21.45M	17.716M	21.6M	17.741M
5500MHz	Pass	Inf	21.725M	17.766M	21.55M	17.741M	21.55M	17.741M	21.625M	17.766M
5580MHz	Pass	Inf	21.875M	17.766M	21.475M	17.716M	21.625M	17.716M	22.05M	17.766M
5700MHz	Pass	Inf	21.825M	17.741M	21.675M	17.741M	21.65M	17.766M	21.775M	17.716M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.69M	13.853M	15.72M	13.853M	15.87M	13.868M	15.81M	13.838M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	4.358M	3.82M	4.278M	3.8M	4.318M	3.78M	4.238M
5745MHz	Pass	500k	17.55M	17.941M	17.575M	18.416M	17.575M	17.891M	17.55M	18.066M
5785MHz	Pass	500k	17.55M	18.016M	17.6M	18.516M	17.55M	17.916M	17.575M	17.991M
5825MHz	Pass	500k	17.575M	18.166M	17.55M	19.44M	17.55M	18.041M	17.55M	18.291M
802.11ac VHT40-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.25M	36.232M	39.75M	36.232M	40.2M	36.182M	39.95M	36.282M
5230MHz	Pass	Inf	40.25M	36.232M	39.7M	36.232M	39.8M	36.282M	39.85M	36.182M
5270MHz	Pass	Inf	40.4M	36.282M	39.7M	36.232M	39.85M	36.282M	39.85M	36.282M
5310MHz	Pass	Inf	40.45M	36.182M	39.7M	36.232M	39.8M	36.232M	40M	36.232M
5510MHz	Pass	Inf	40.4M	36.232M	40M	36.232M	39.75M	36.232M	39.85M	36.182M
5550MHz	Pass	Inf	40.3M	36.232M	39.65M	36.232M	40M	36.232M	39.7M	36.232M
5670MHz	Pass	Inf	40.25M	36.232M	39.8M	36.332M	39.8M	36.282M	40.1M	36.282M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.14M	32.954M	34.93M	32.954M	34.895M	33.023M	34.965M	32.989M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.658M	3.18M	3.658M	3.18M	3.618M	3.18M	3.578M
5755MHz	Pass	500k	36.35M	36.582M	36.35M	37.081M	36.25M	36.532M	36.3M	36.632M

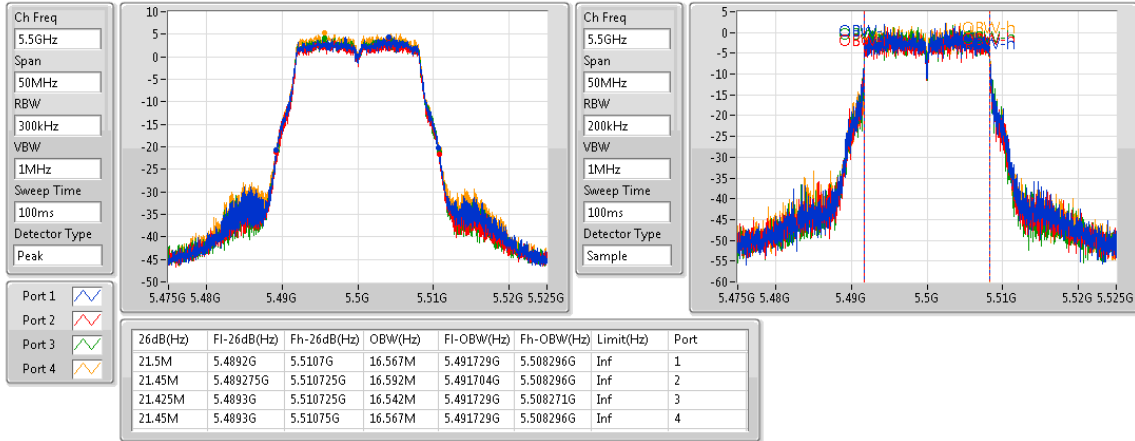
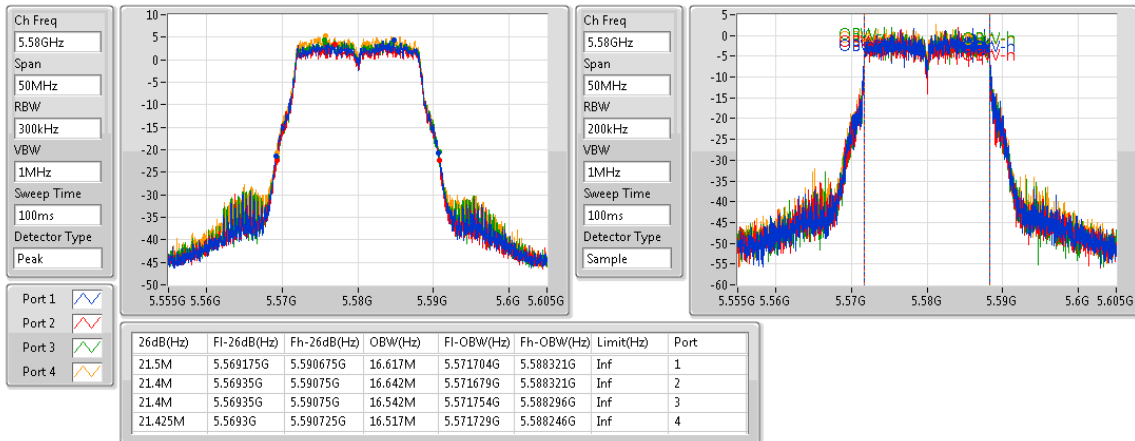
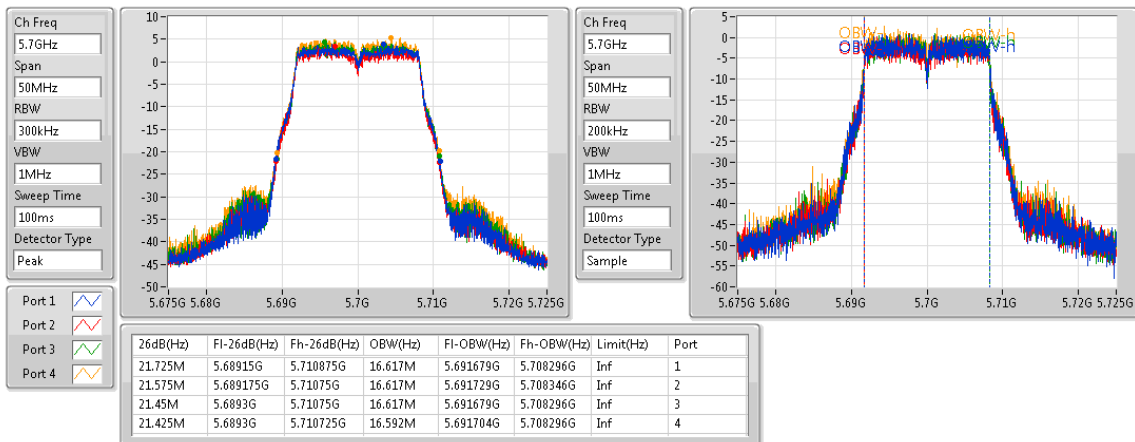
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5795MHz	Pass	500k	36.35M	36.632M	36.35M	37.481M	36.3M	36.682M	36.35M	36.932M
802.11ac VHT80-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80.9M	75.162M	81.1M	74.963M	80.9M	75.062M	81M	75.362M
5290MHz	Pass	Inf	82.2M	75.962M	82M	75.762M	81.5M	75.762M	81.8M	75.862M
5530MHz	Pass	Inf	82M	75.762M	82M	75.862M	81.5M	75.862M	81.3M	75.962M
5610MHz	Pass	Inf	82.3M	75.962M	81.7M	75.862M	81.8M	75.762M	81.6M	75.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.05M	72.414M	75.825M	72.564M	75.9M	72.639M	75.525M	72.489M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	4.038M	3.16M	3.998M	3.16M	3.958M	3.16M	4.078M
5775MHz	Pass	500k	75M	76.362M	75.7M	76.662M	75.9M	76.162M	75.2M	76.362M

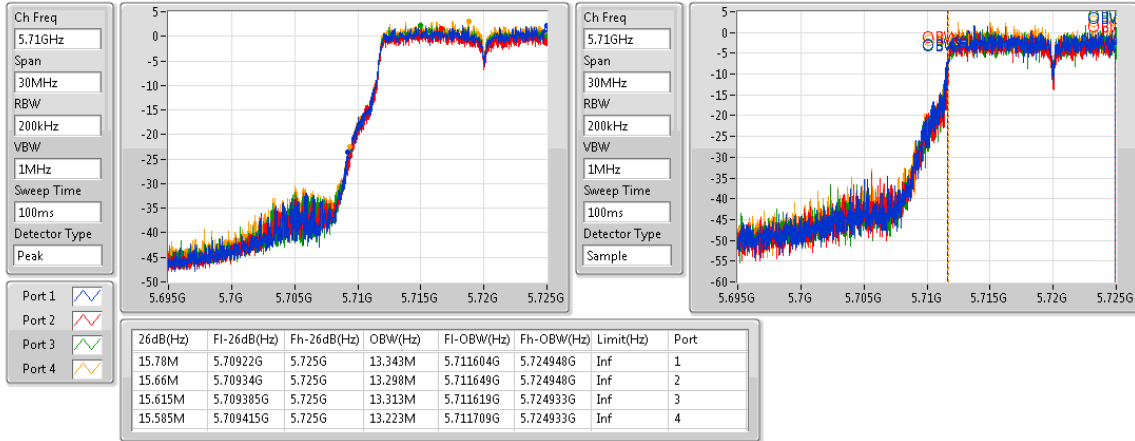
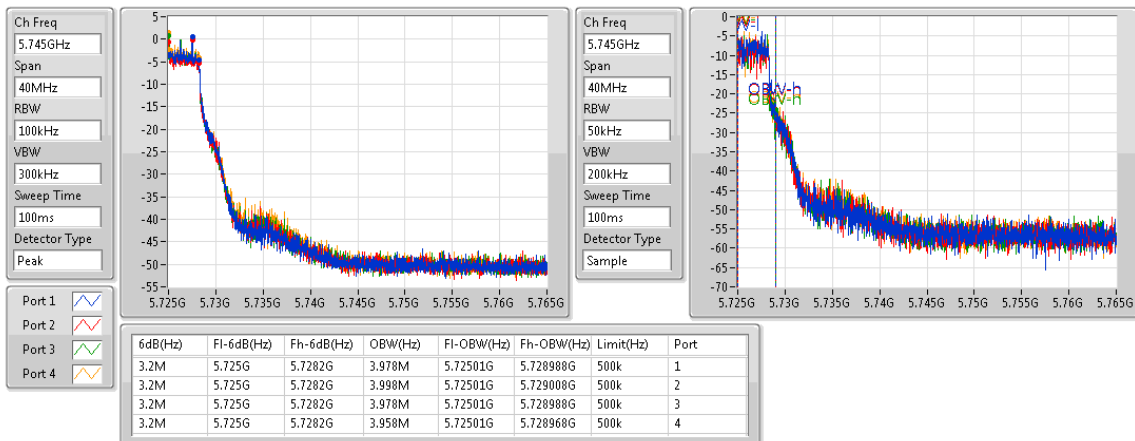
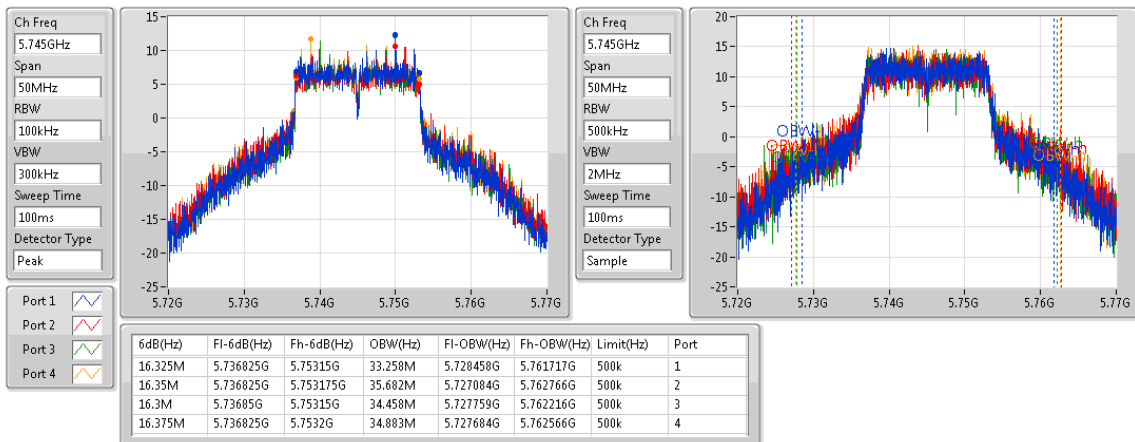
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

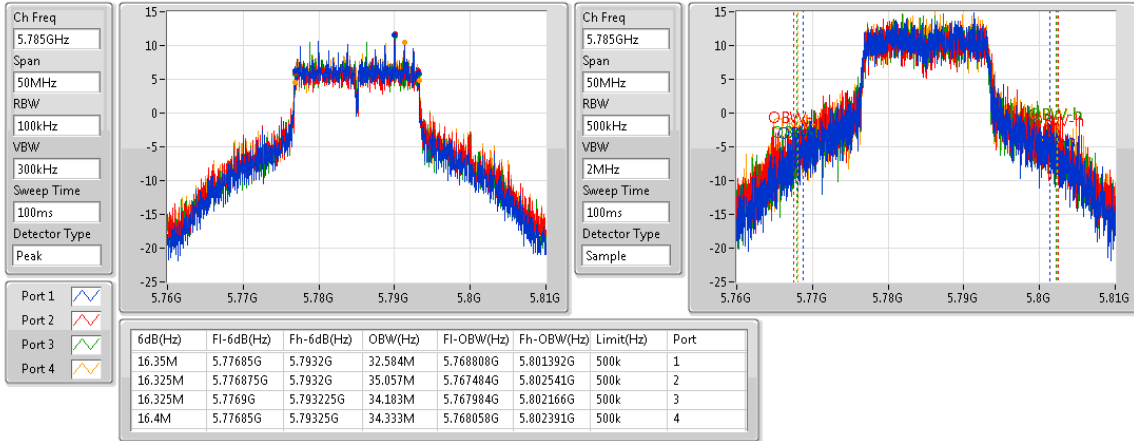
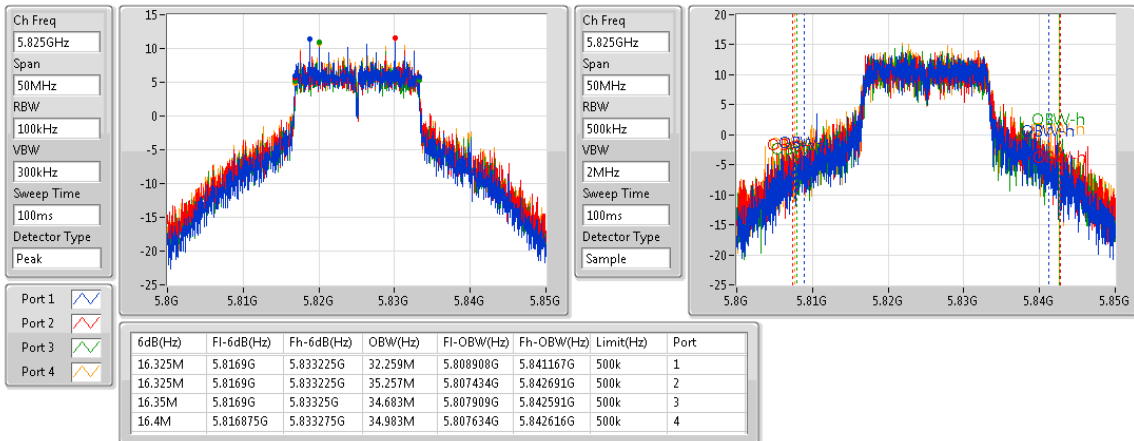
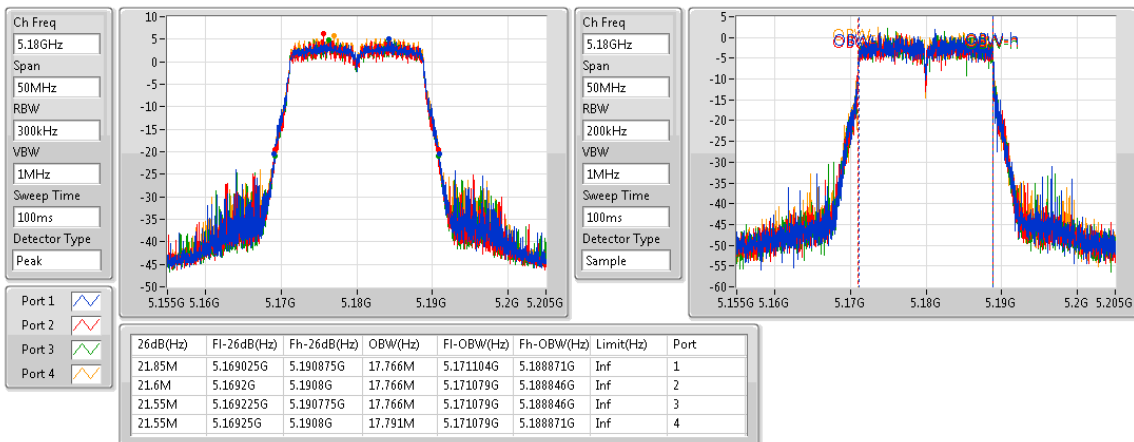
Port X-OBW = Port X 99% occupied bandwidth;

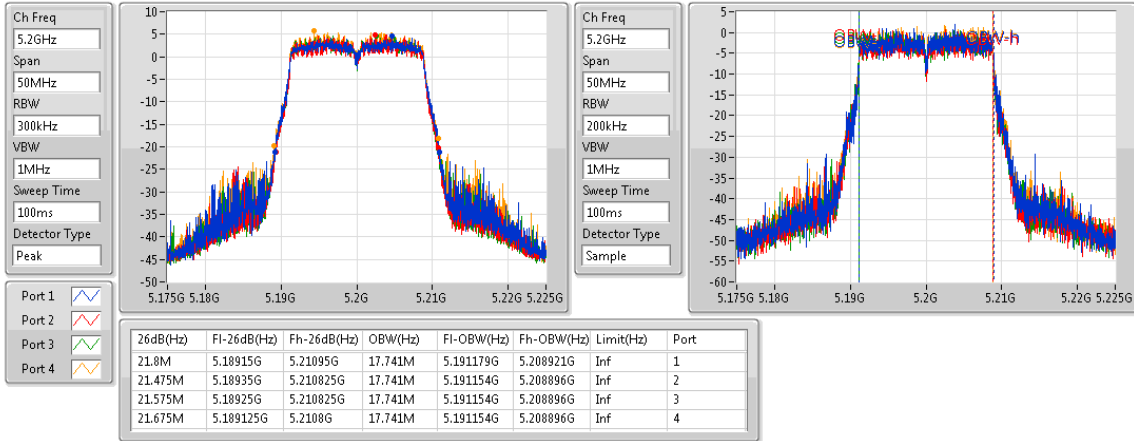
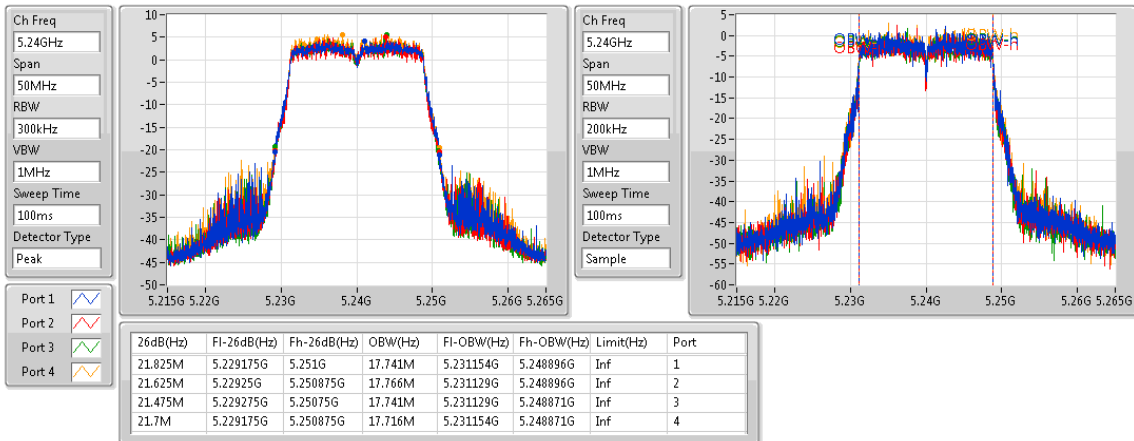
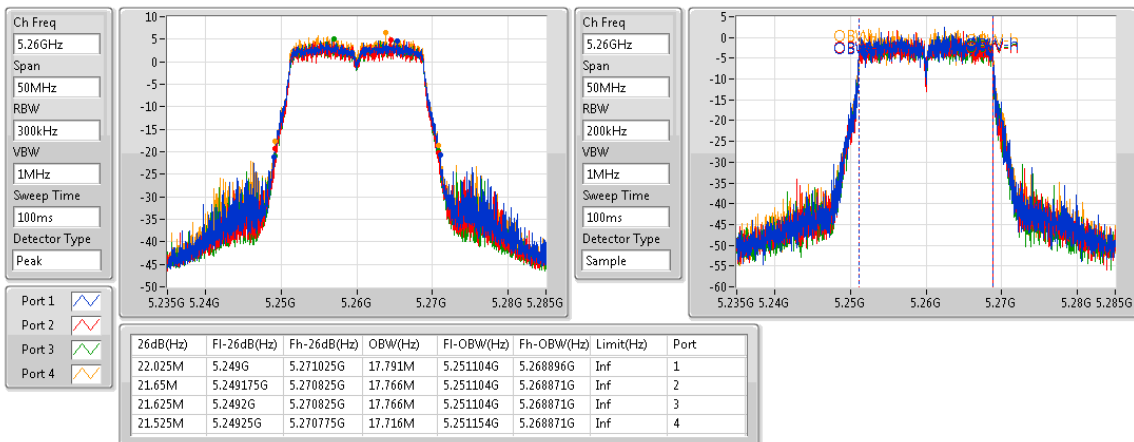
802.11a (6Mbps)_4TX
EBW
5180MHz

802.11a (6Mbps)_4TX
EBW
5200MHz

802.11a (6Mbps)_4TX
EBW
5240MHz


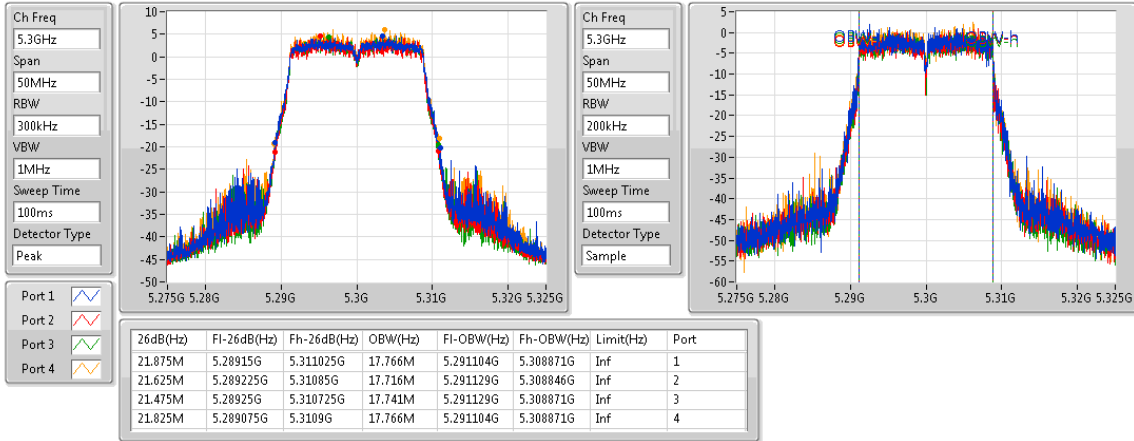
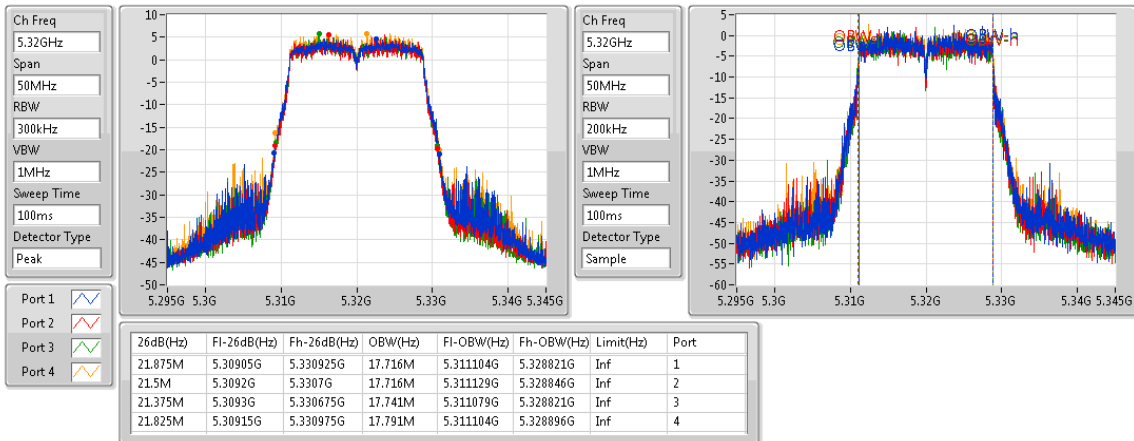
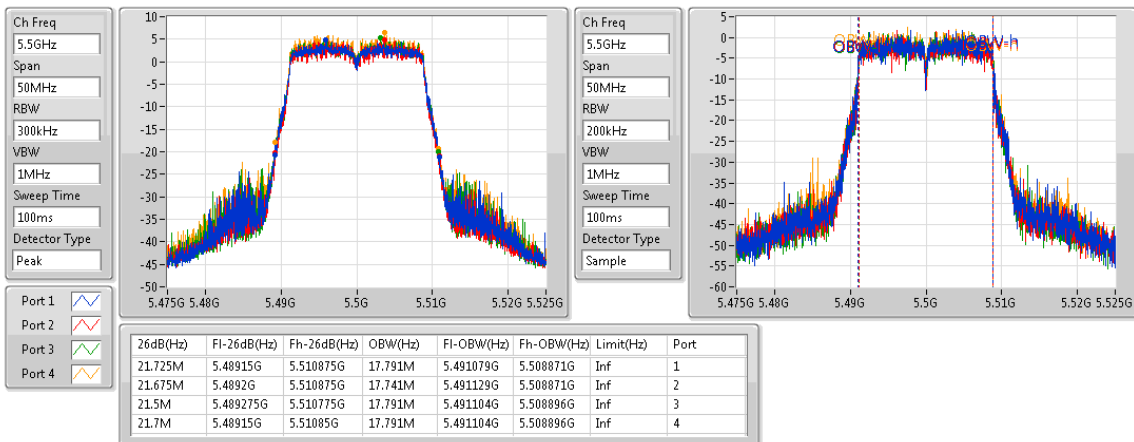
802.11a (6Mbps)_4TX
EBW
5260MHz

802.11a (6Mbps)_4TX
EBW
5300MHz

802.11a (6Mbps)_4TX
EBW
5320MHz


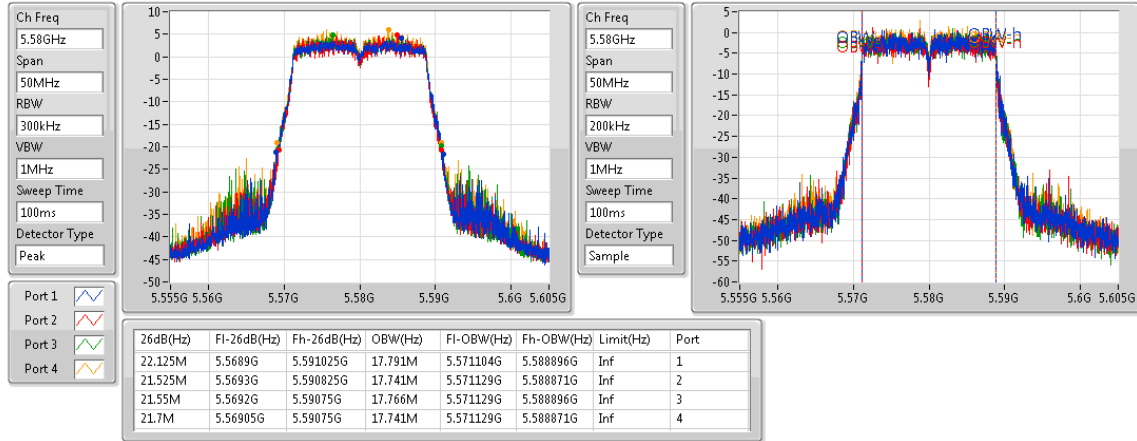
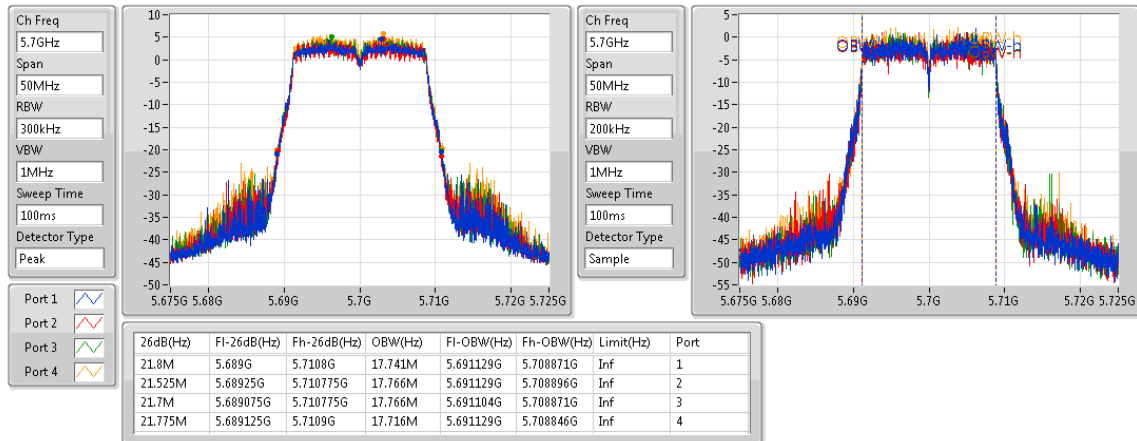
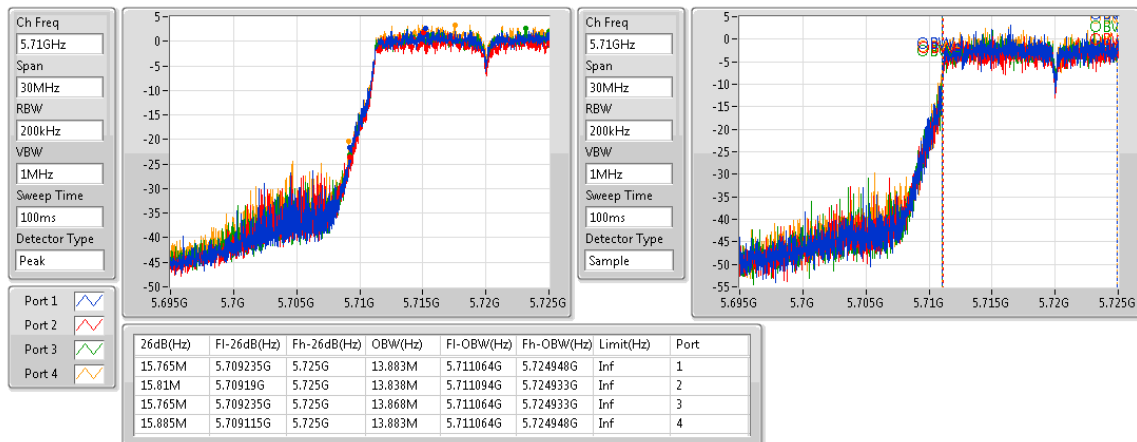
802.11a (6Mbps)_4TX
EBW
5500MHz

802.11a (6Mbps)_4TX
EBW
5580MHz

802.11a (6Mbps)_4TX
EBW
5700MHz


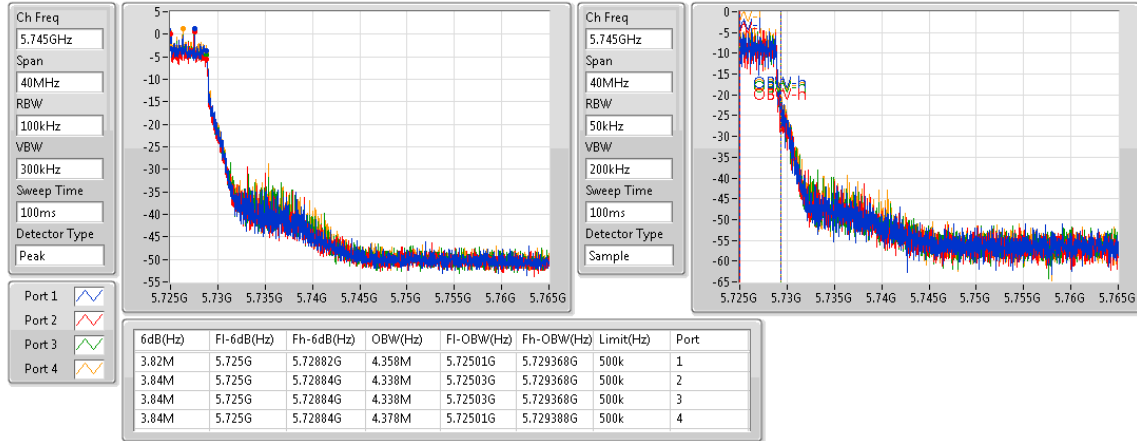
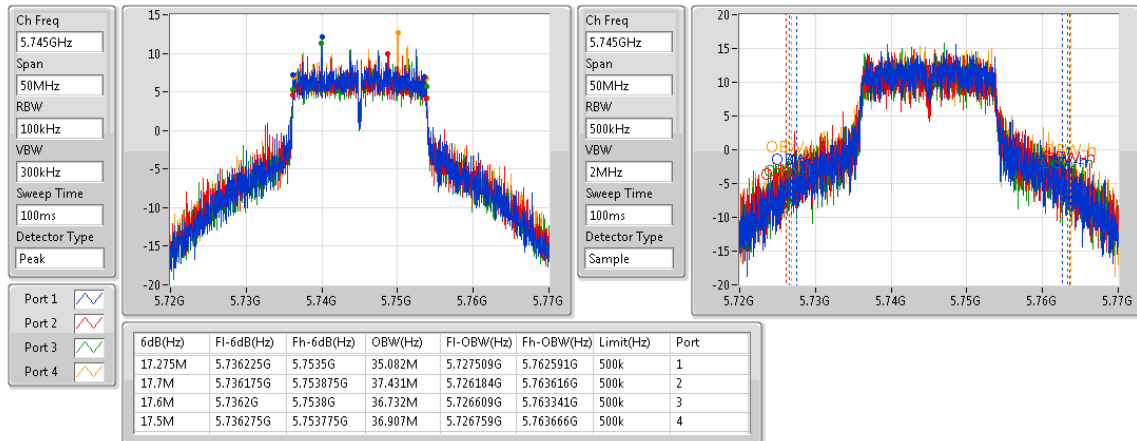
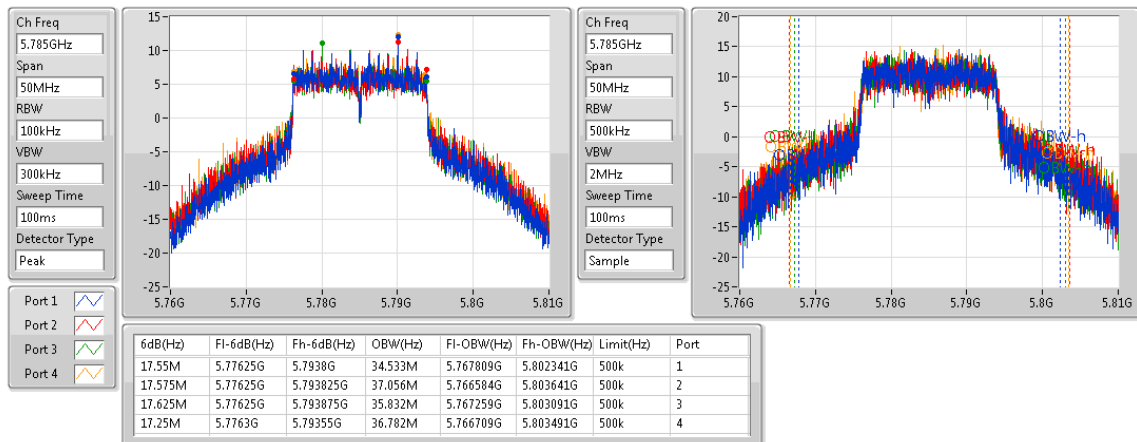
802.11a (6Mbps)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

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

802.11a (6Mbps)_4TX
EBW
5745MHz


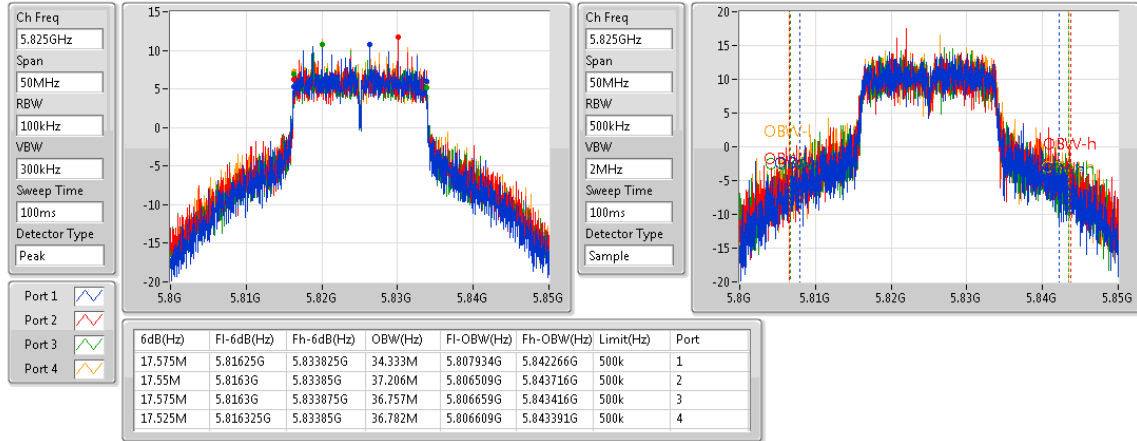
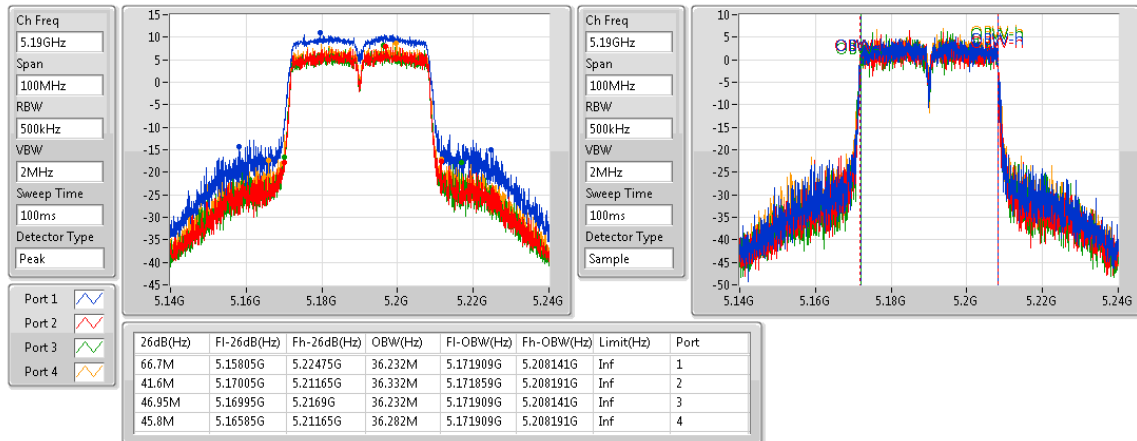
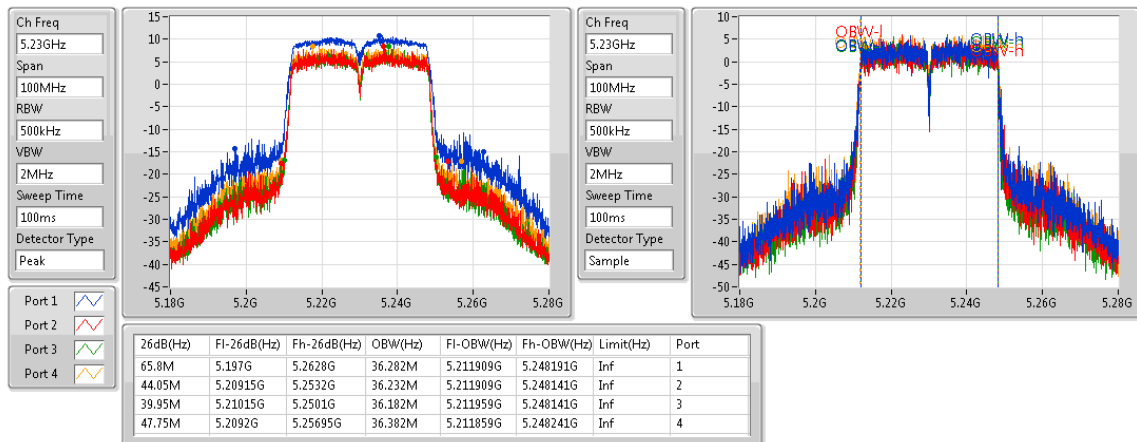
802.11a (6Mbps)_4TX
EBW
5785MHz

802.11a (6Mbps)_4TX
EBW
5825MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5180MHz


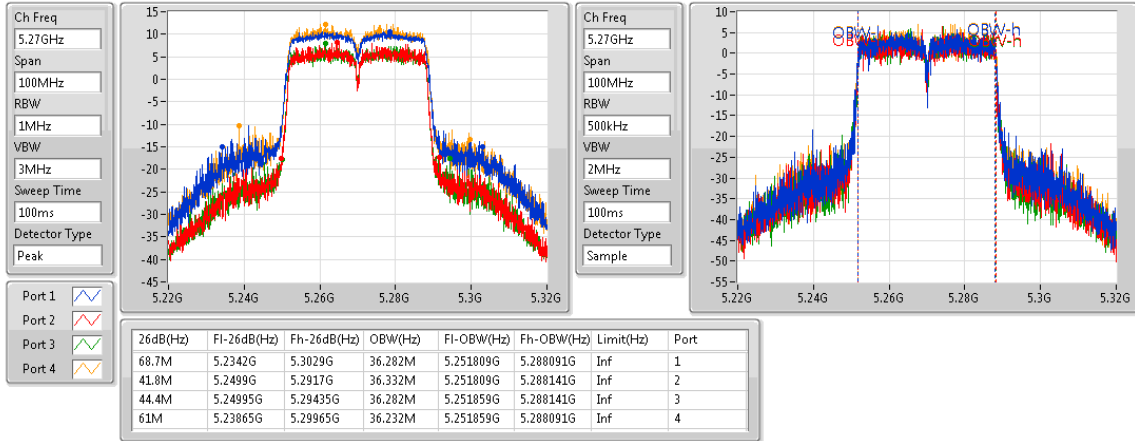
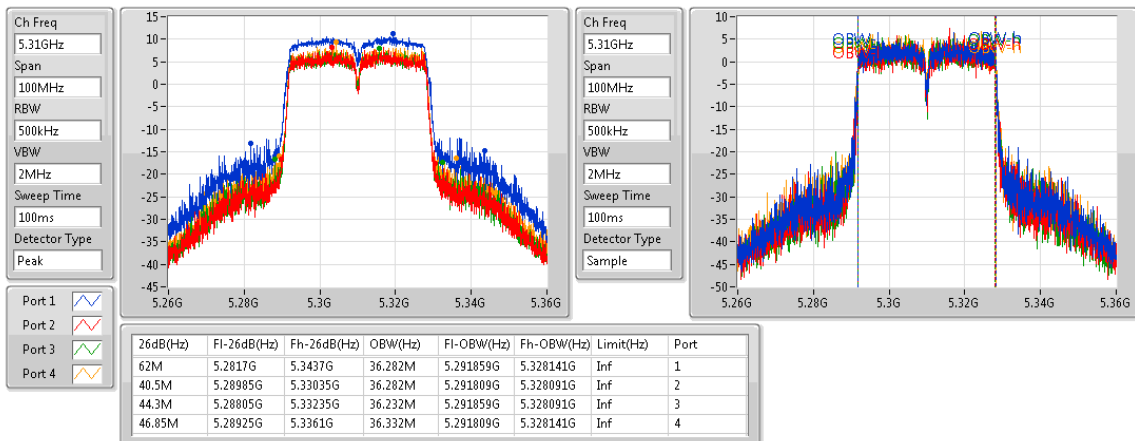
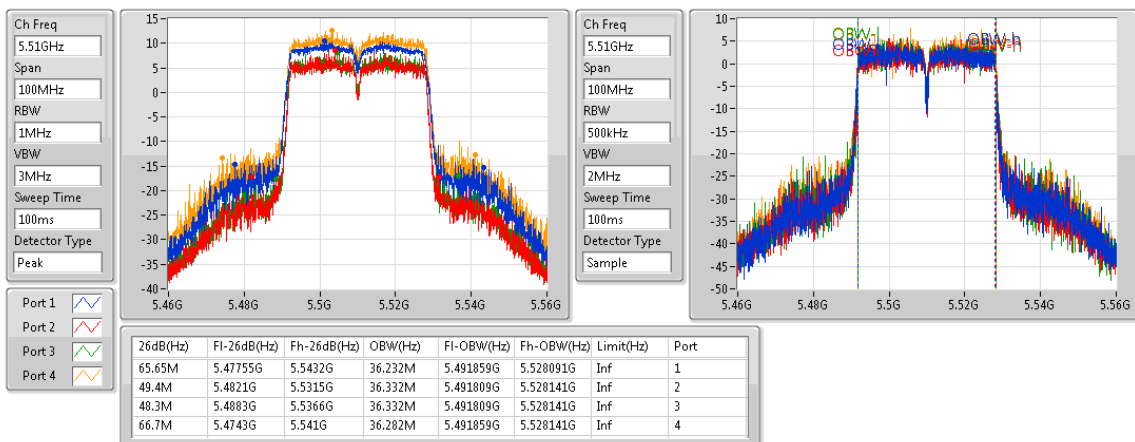
802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5200MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5240MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5260MHz


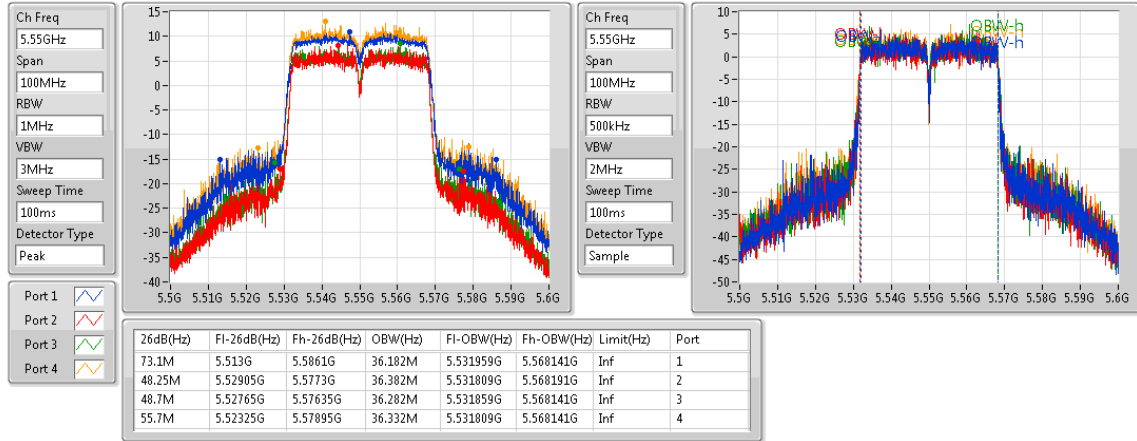
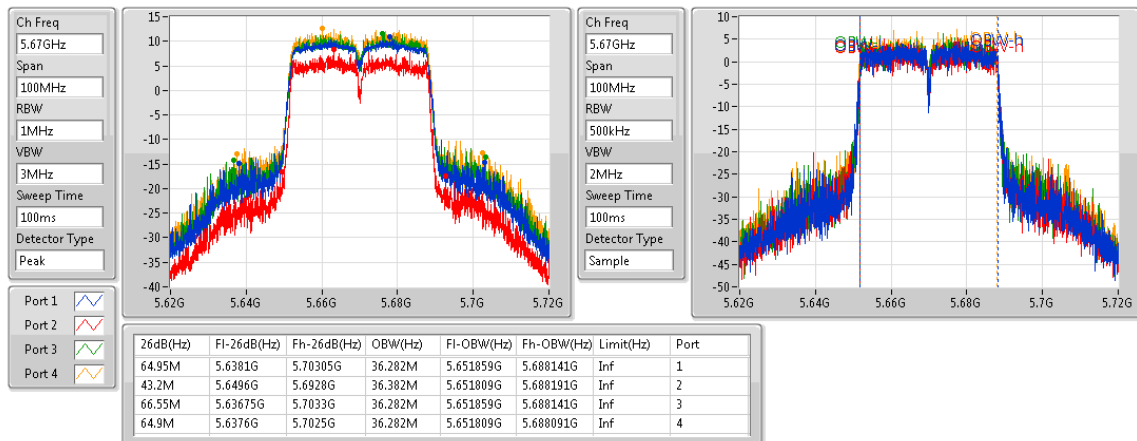
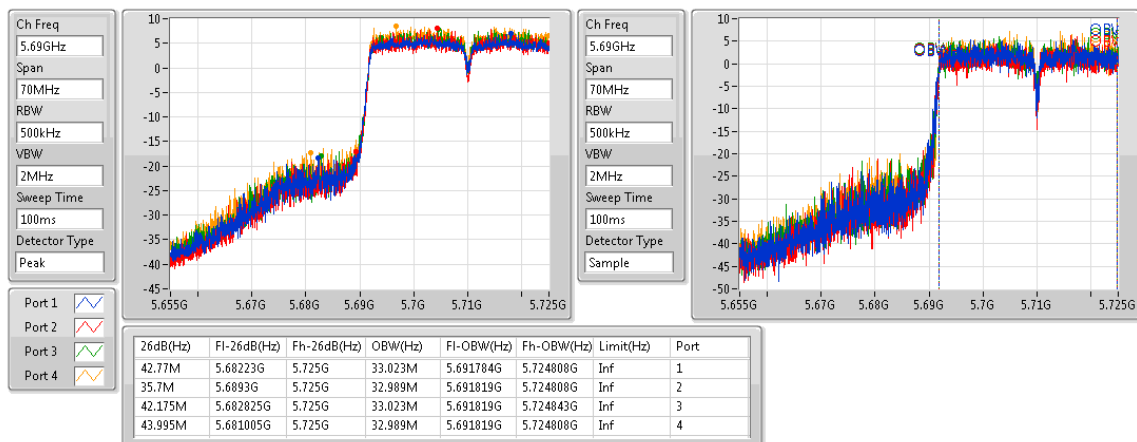
802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5300MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5320MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5500MHz


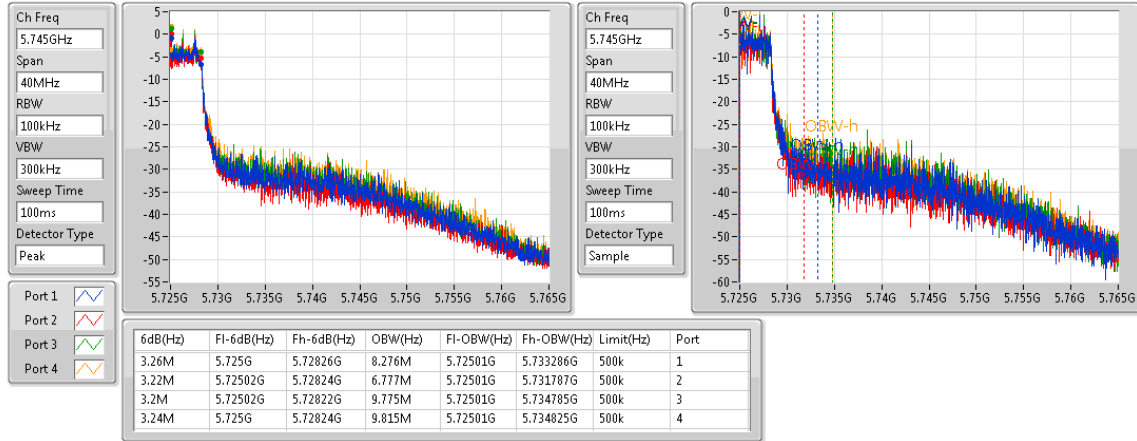
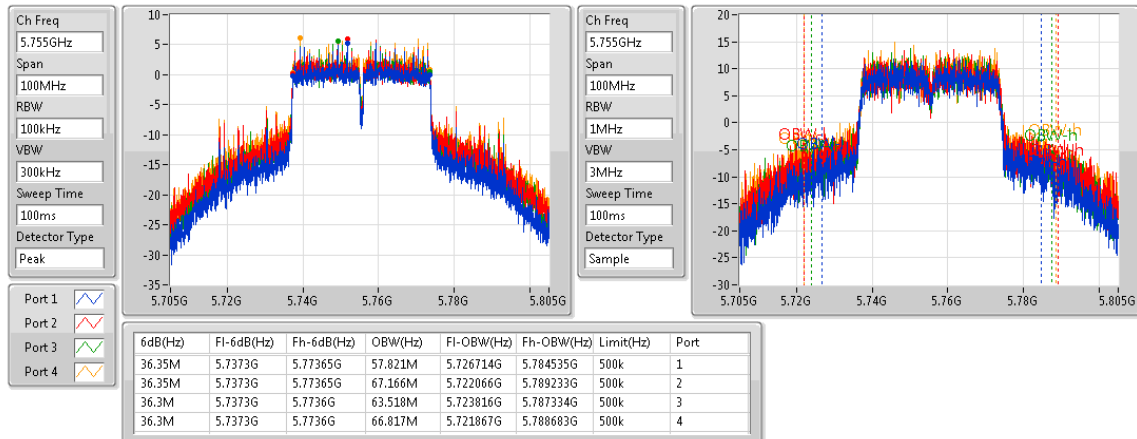
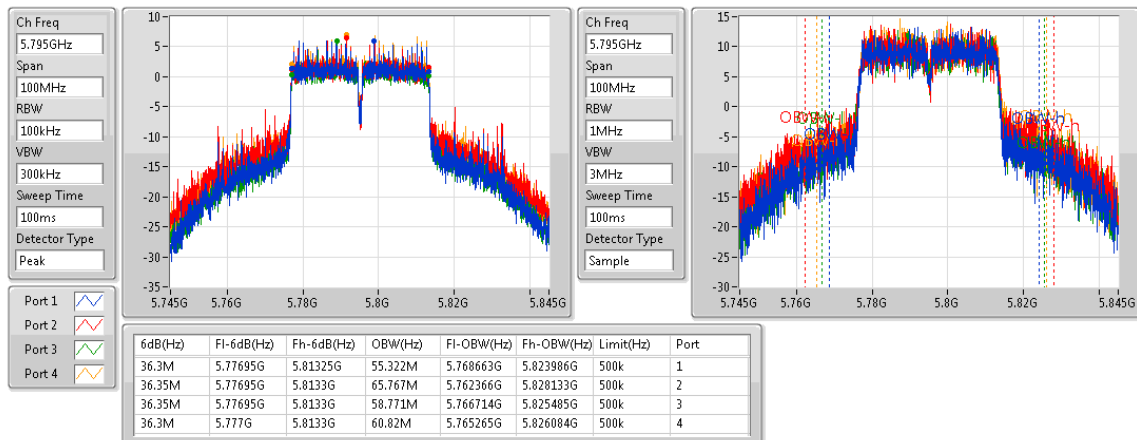
802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5580MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5700MHz

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


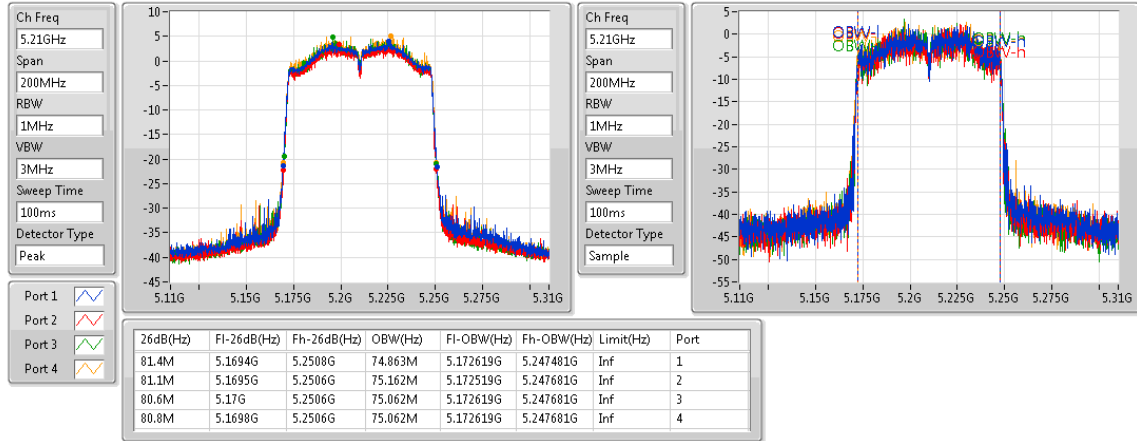
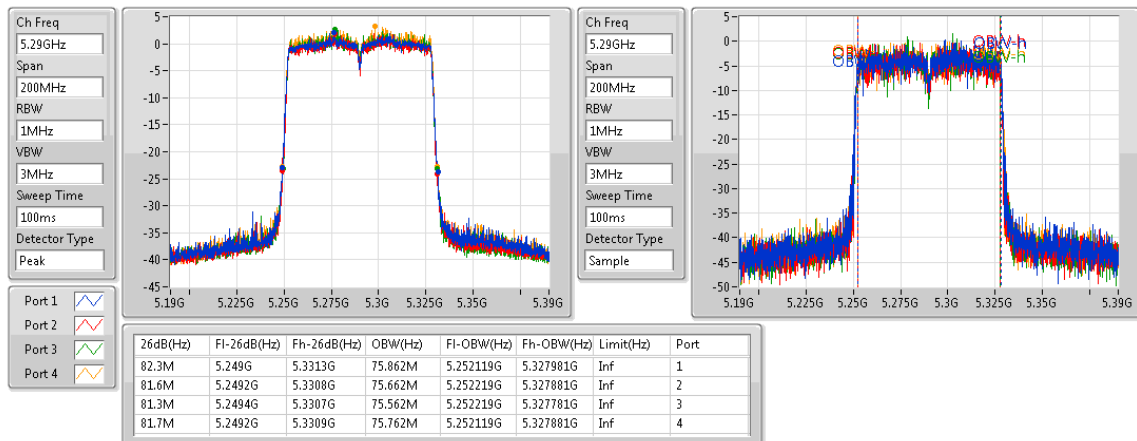
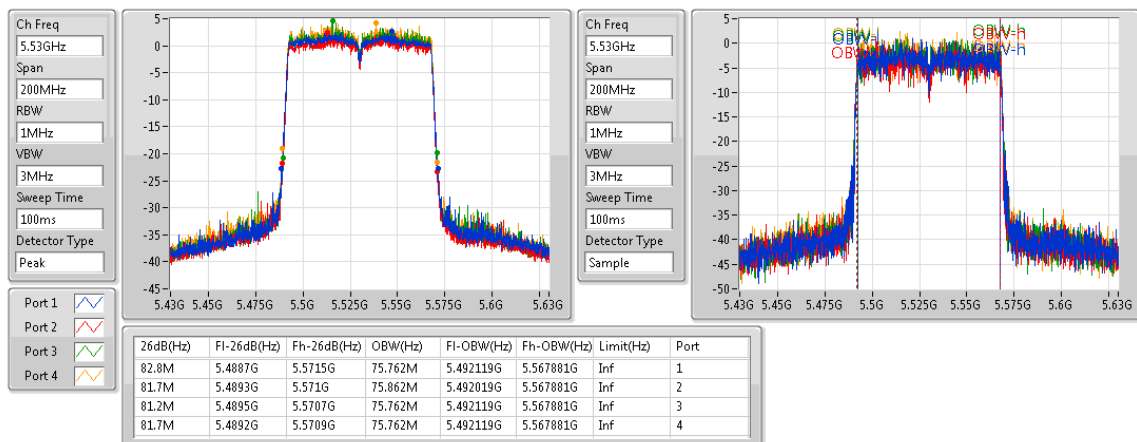
802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5745MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5785MHz


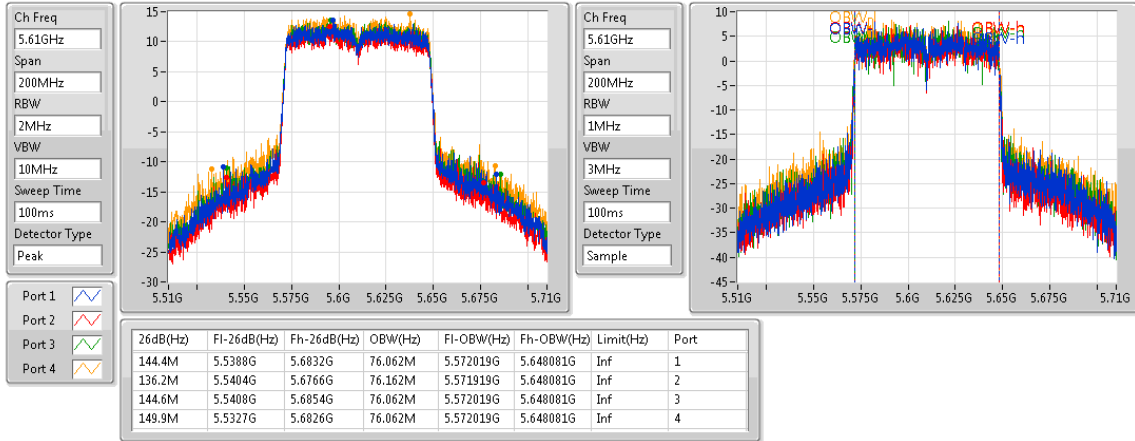
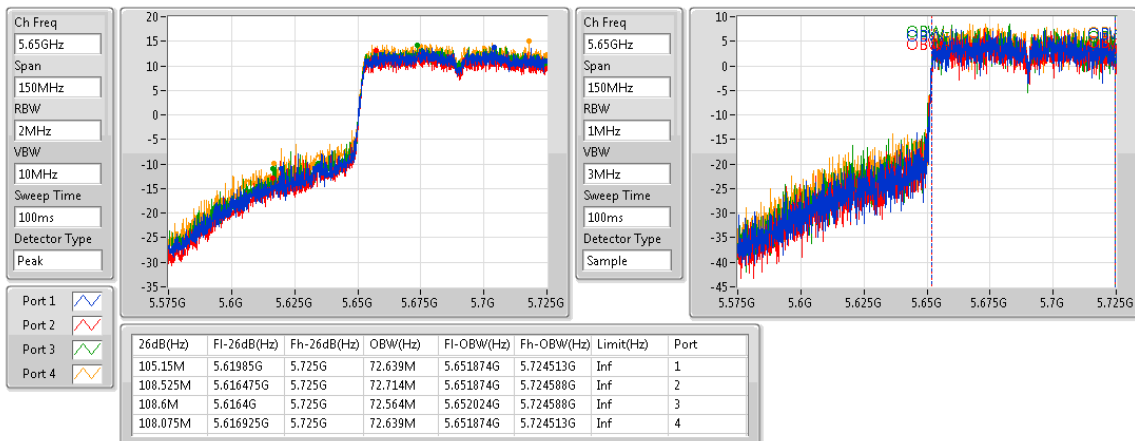
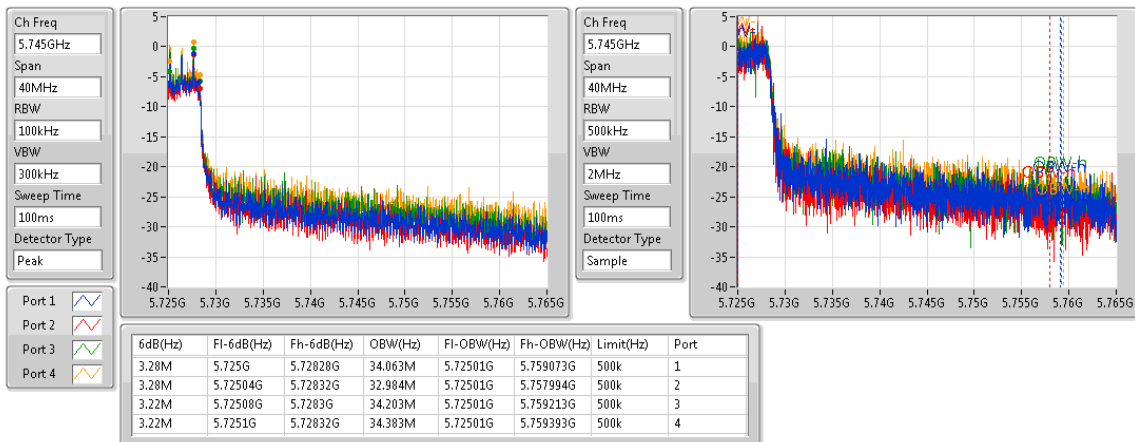
802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5825MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5190MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5230MHz


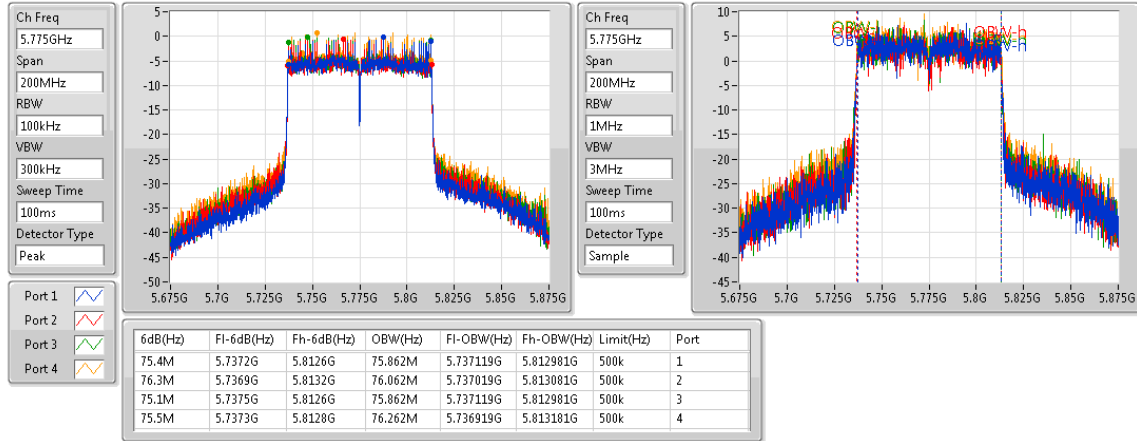
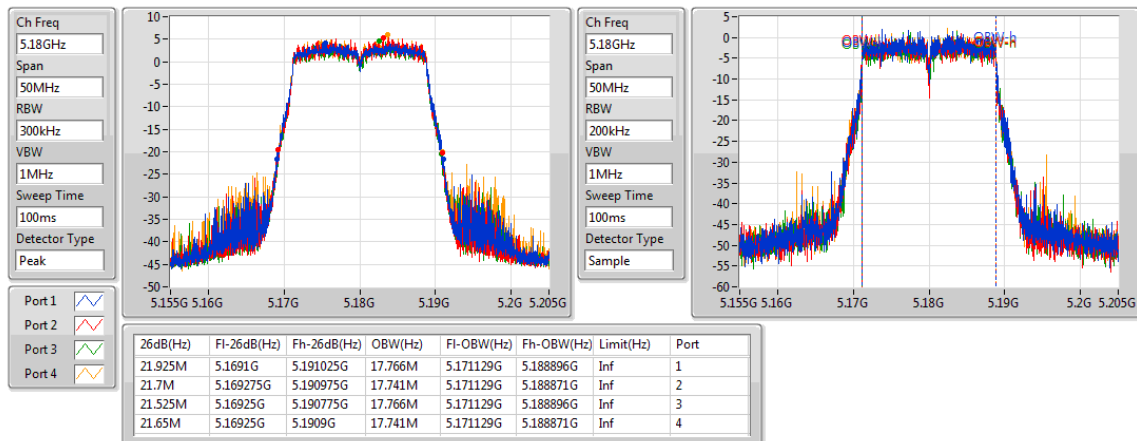
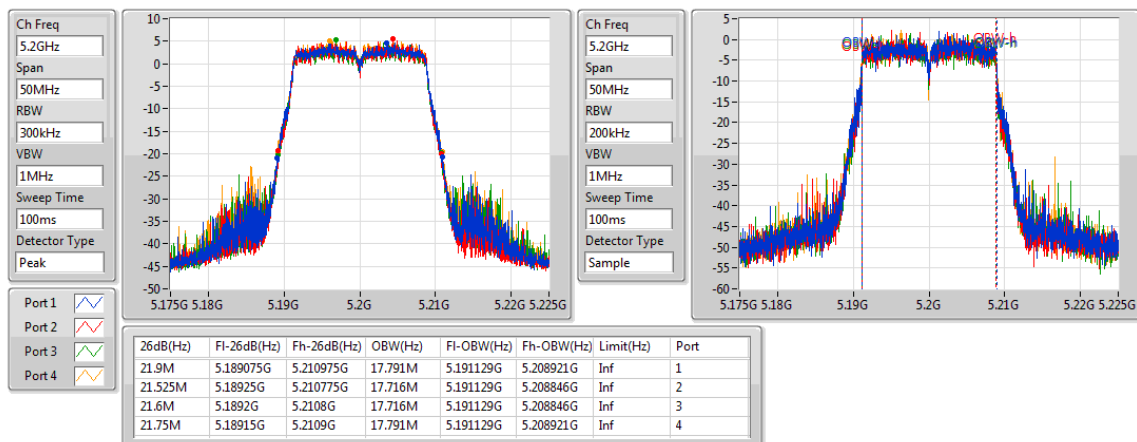
802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5270MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5310MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5510MHz


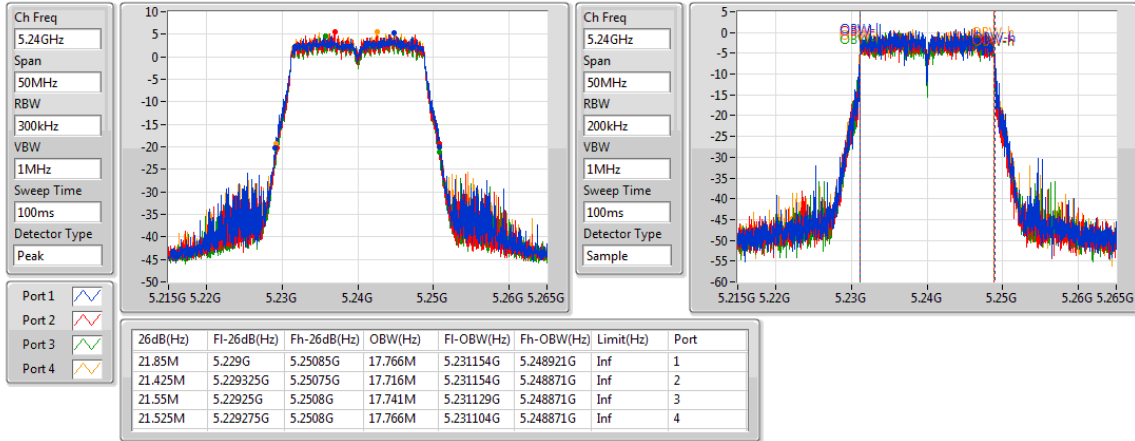
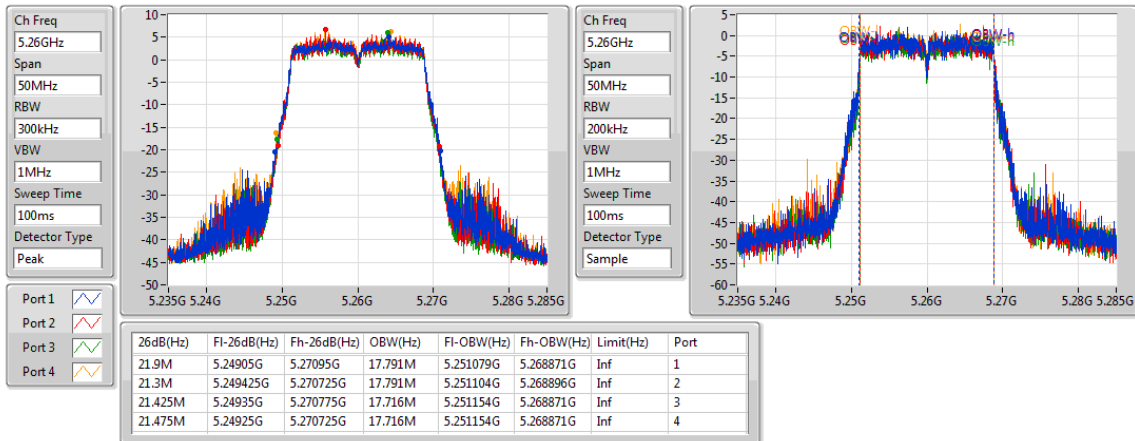
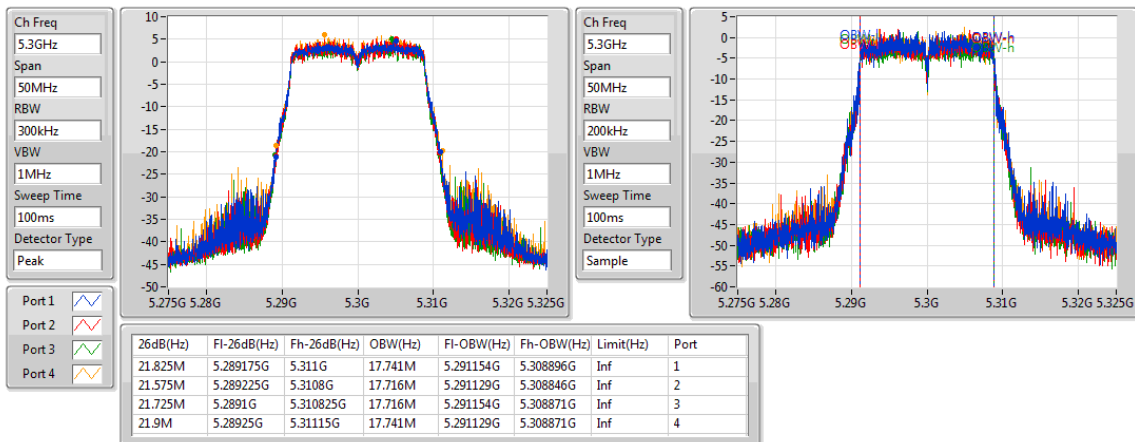
802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5550MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5670MHz

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


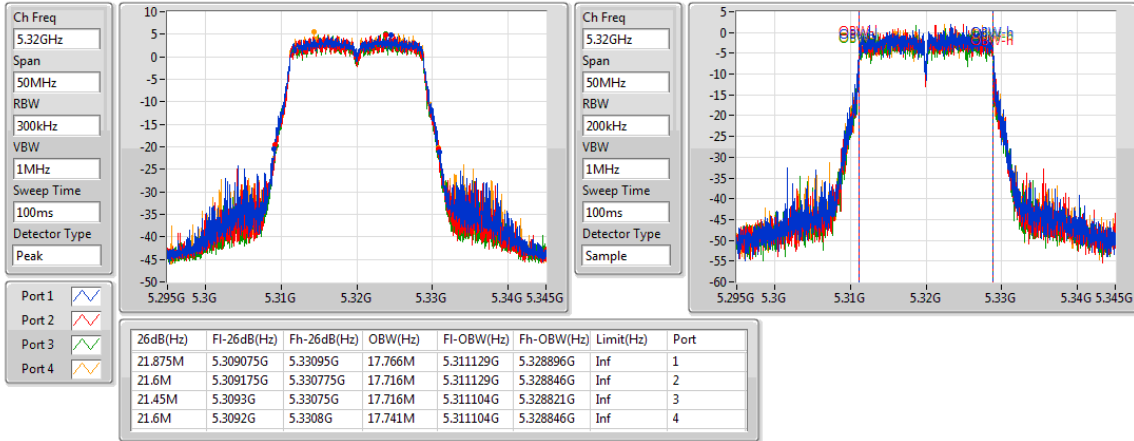
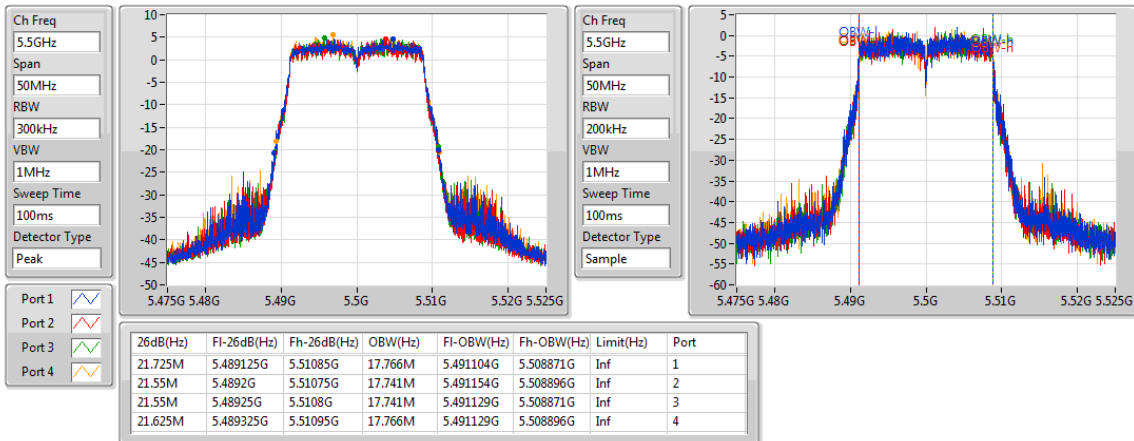
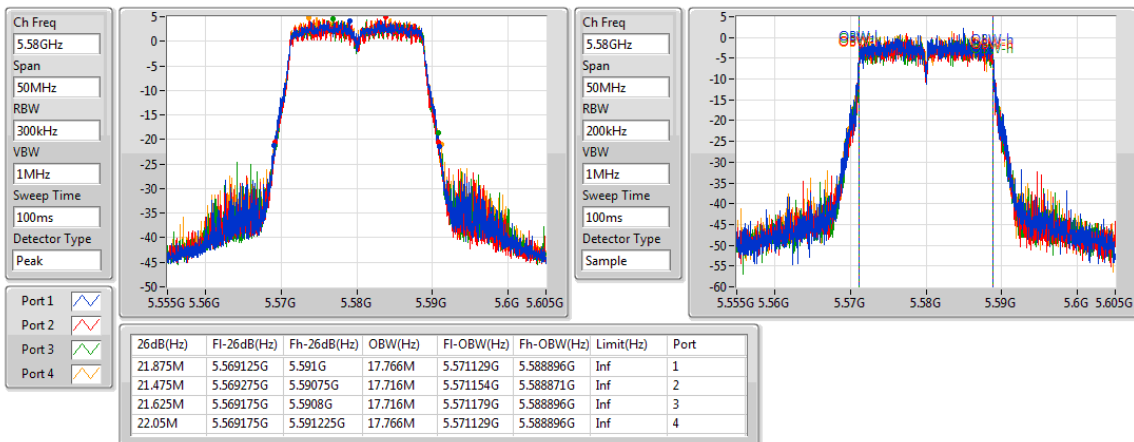
802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5755MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5795MHz


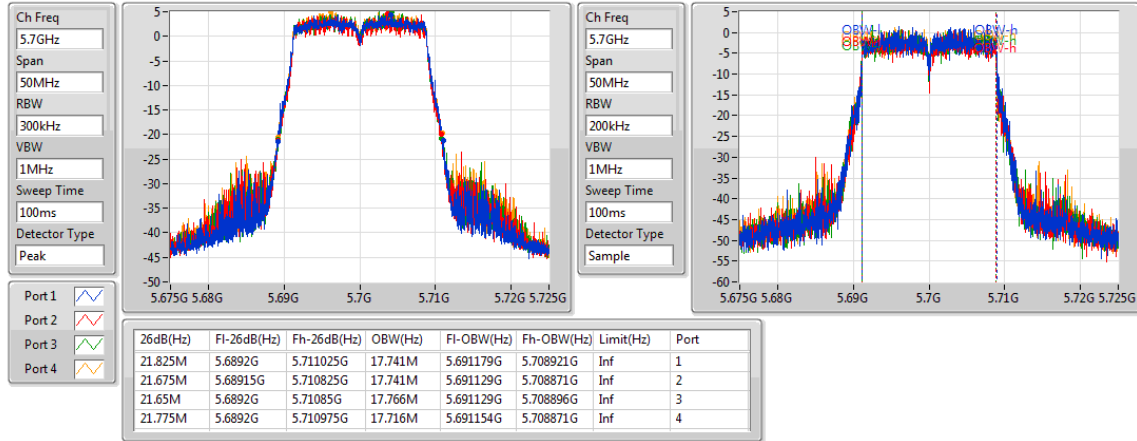
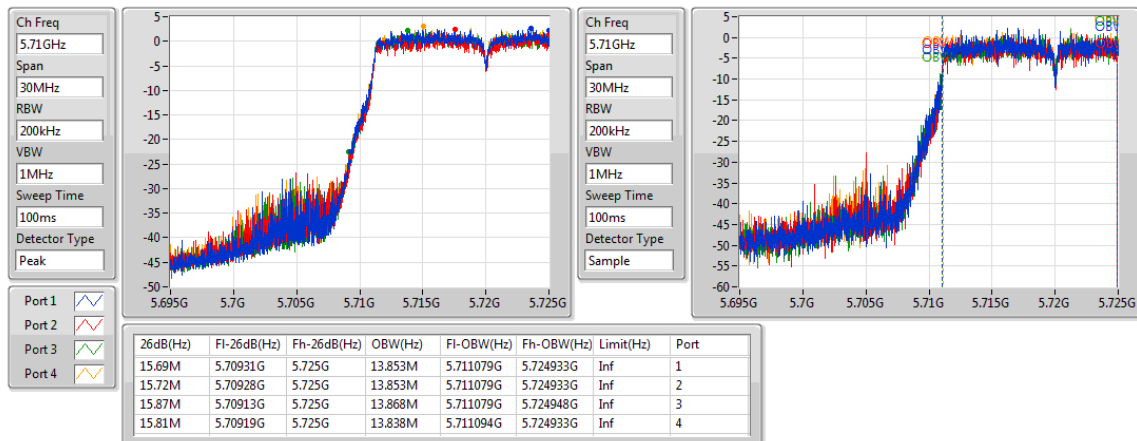
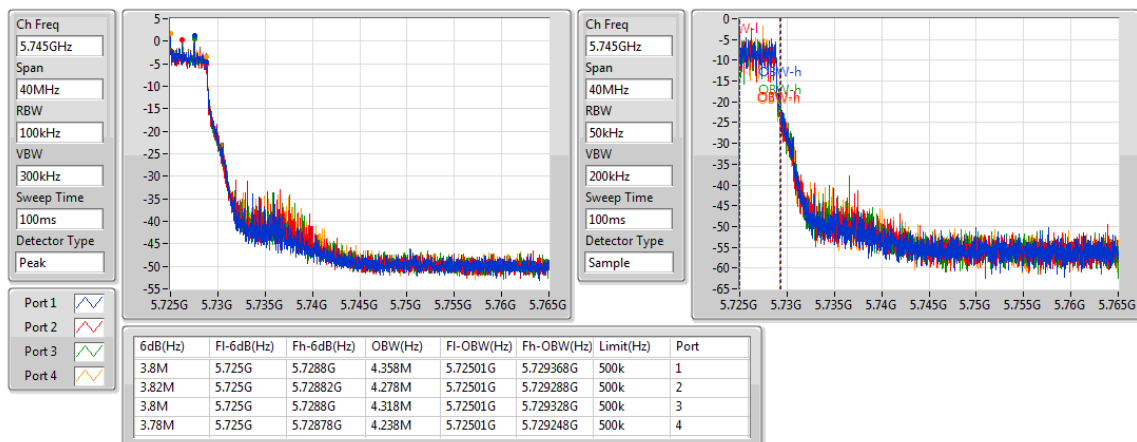
802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5210MHz

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5290MHz

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5530MHz


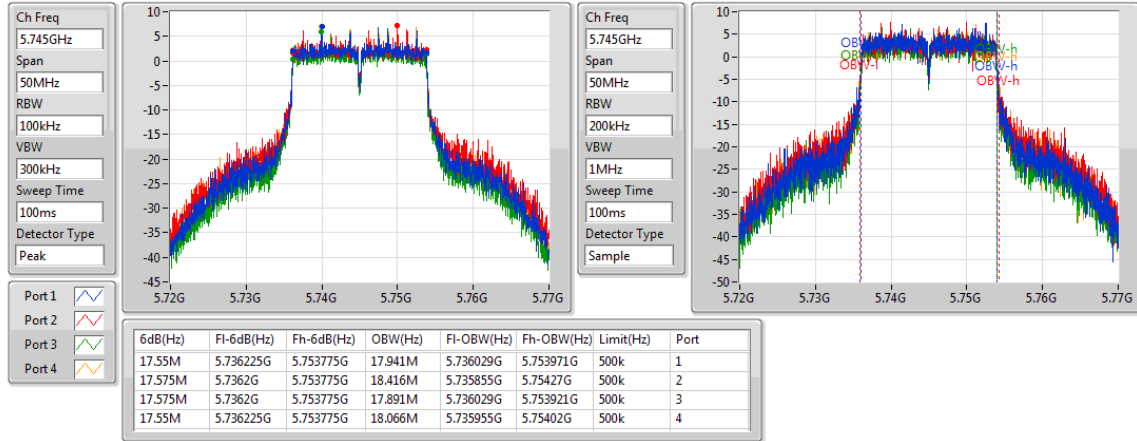
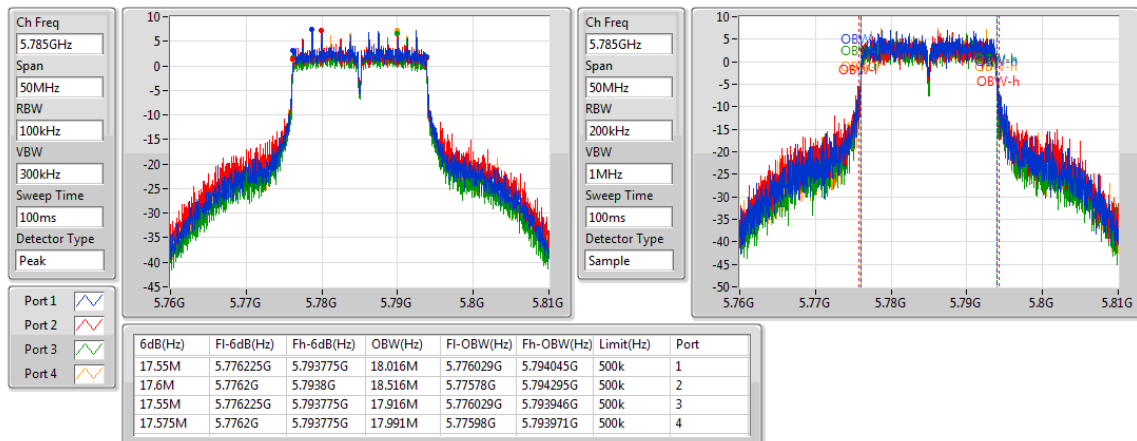
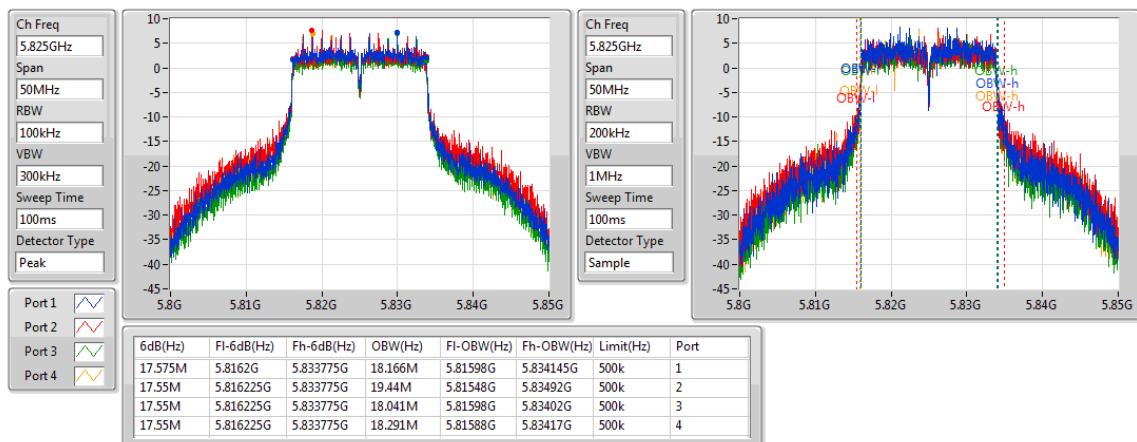
802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5610MHz

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz


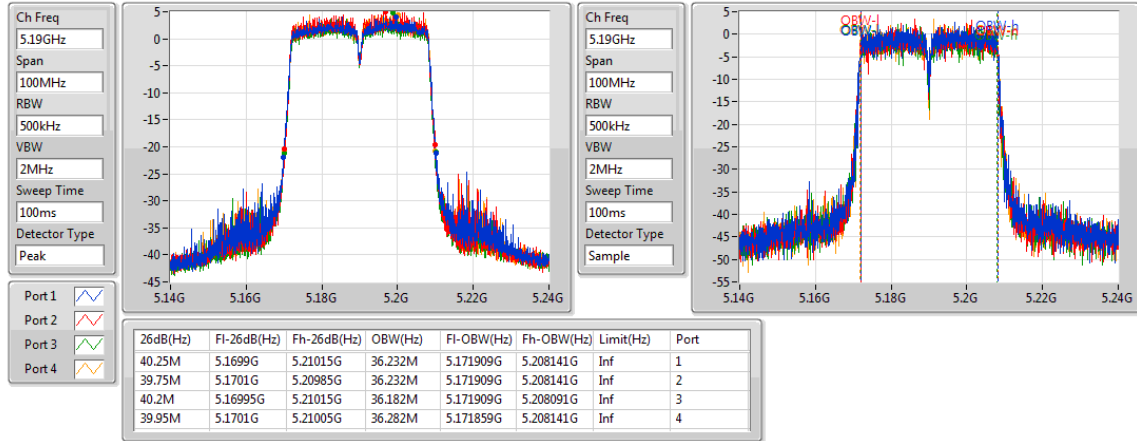
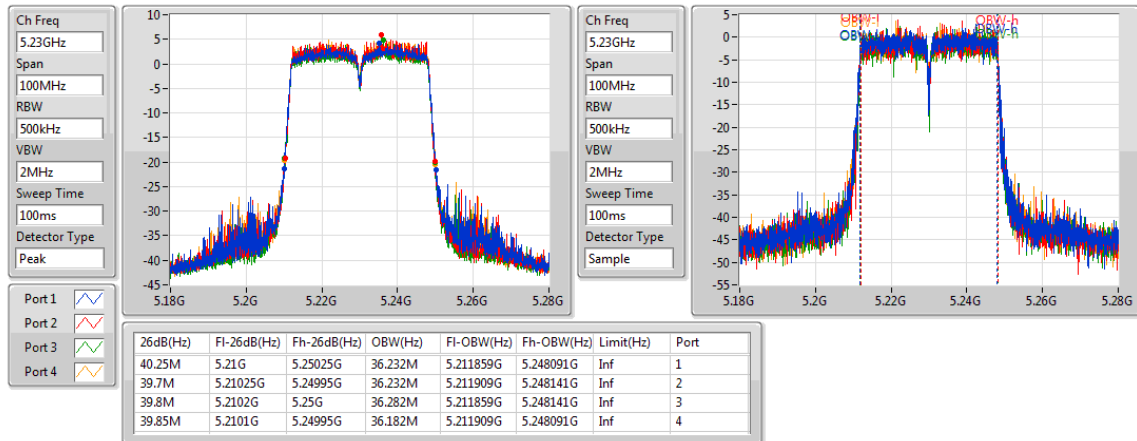
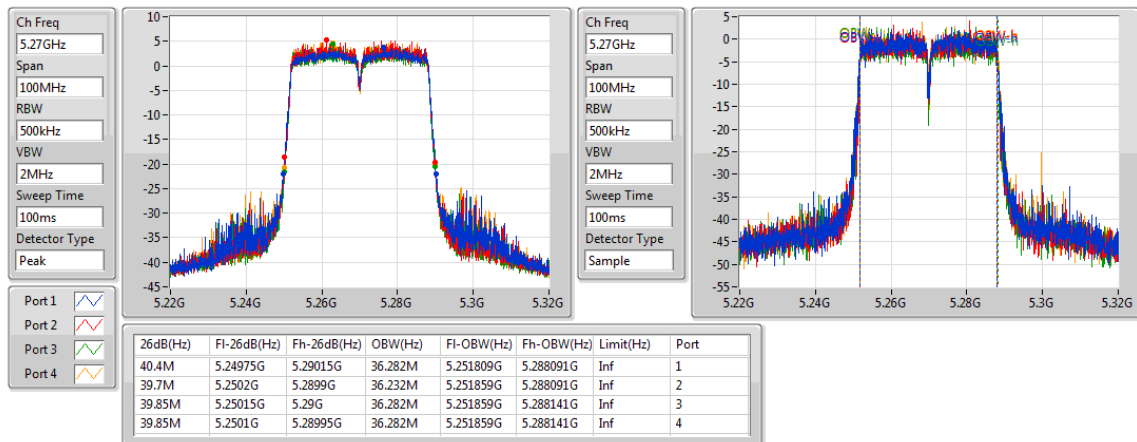
802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5775MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5180MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5200MHz


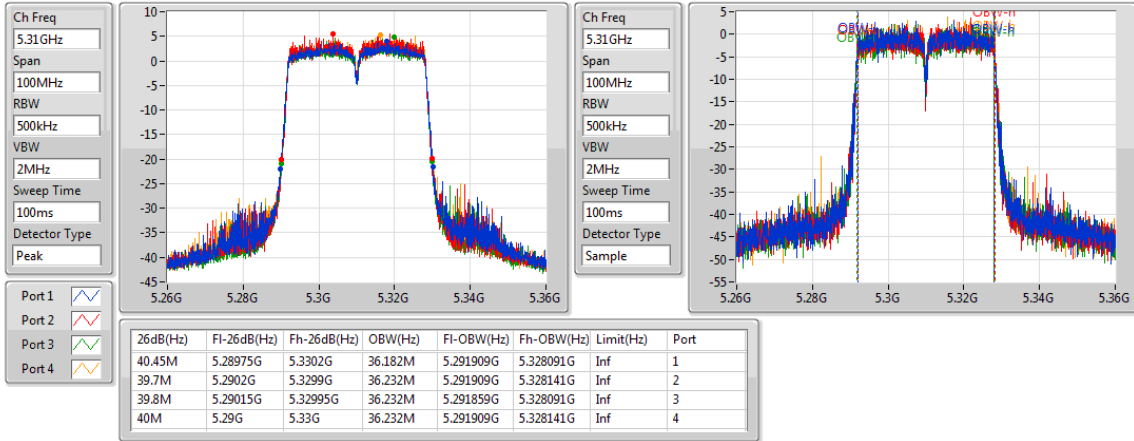
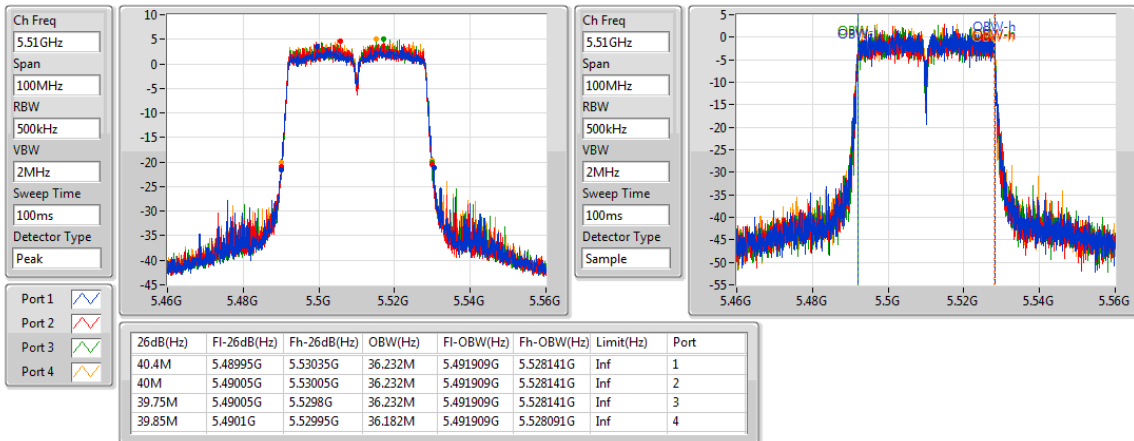
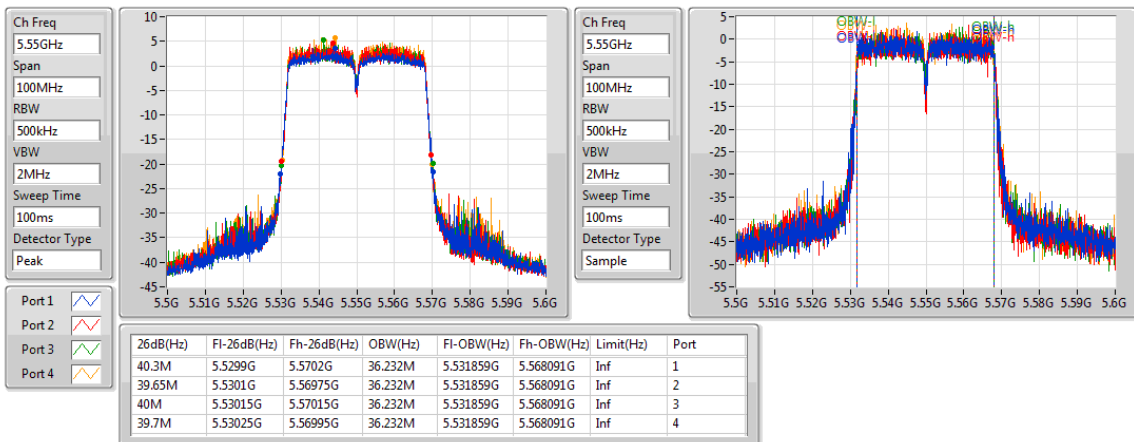
802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5240MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5260MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5300MHz


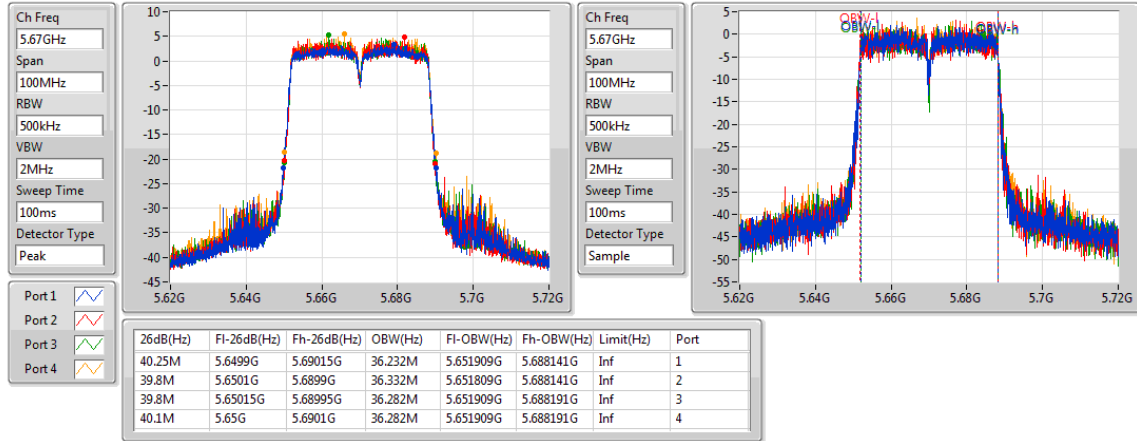
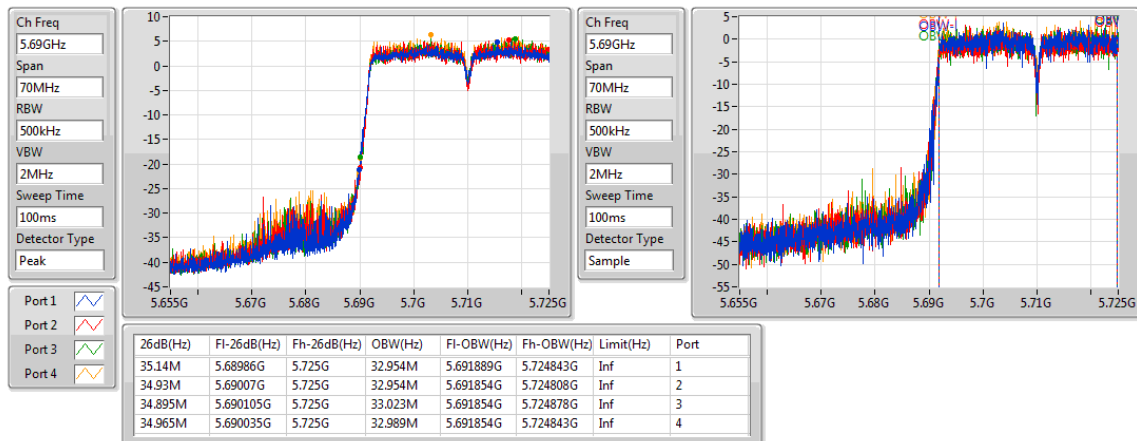
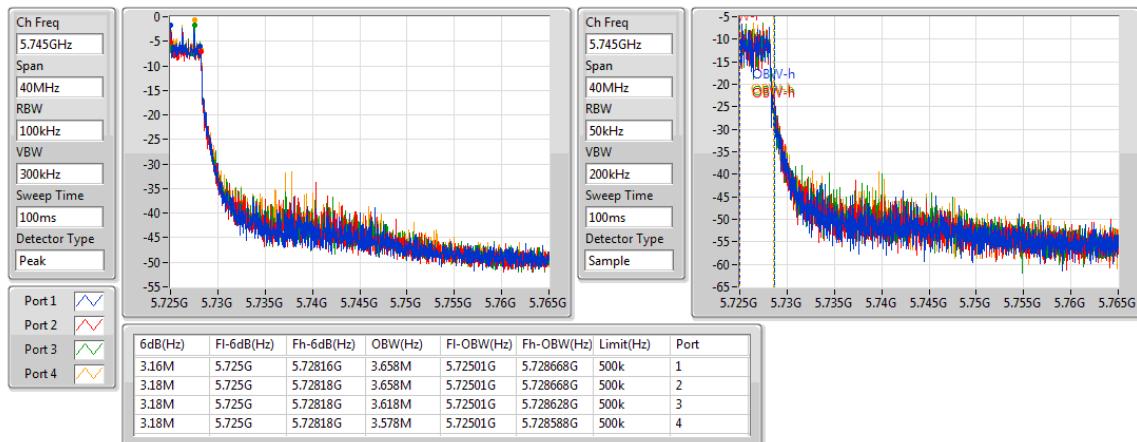
802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5320MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5500MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5580MHz


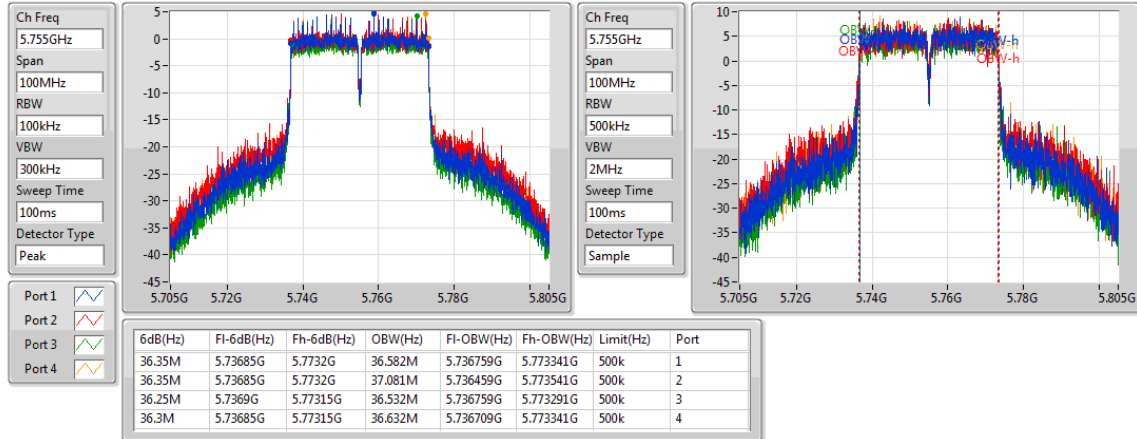
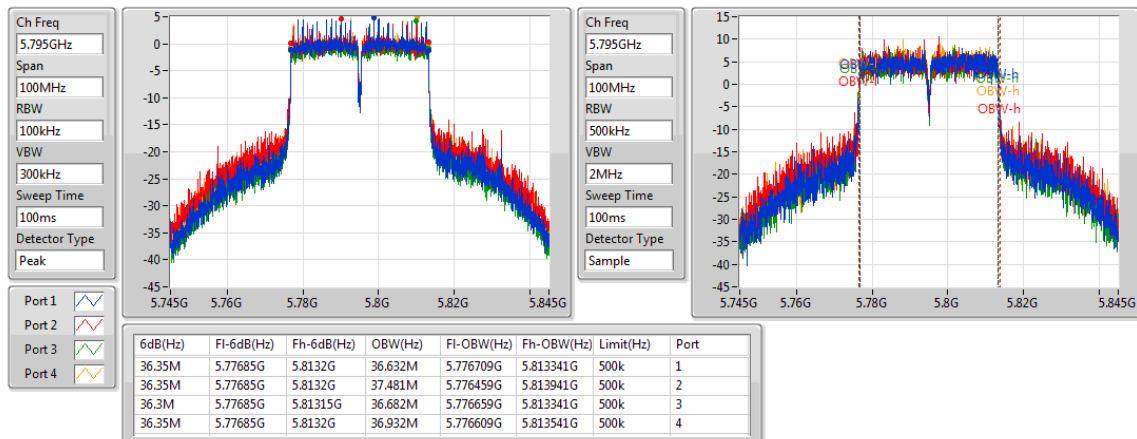
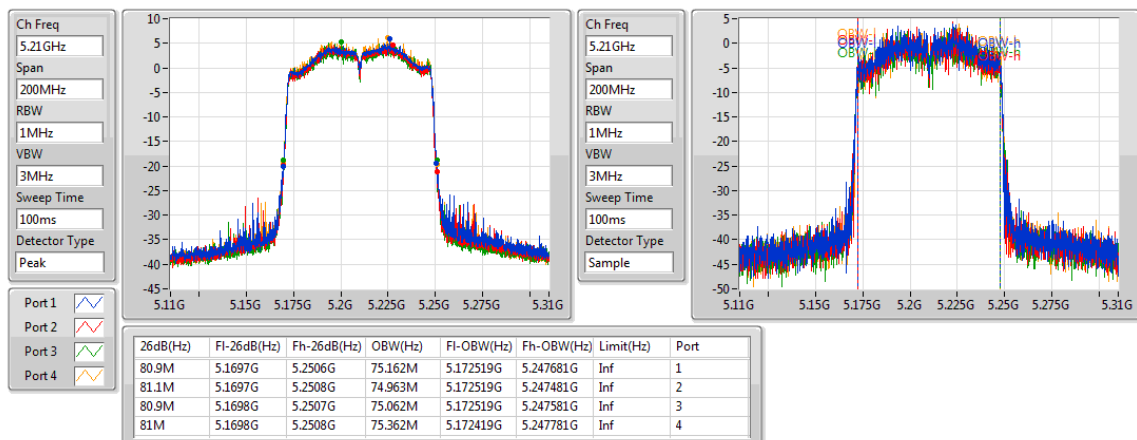
802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5700MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz


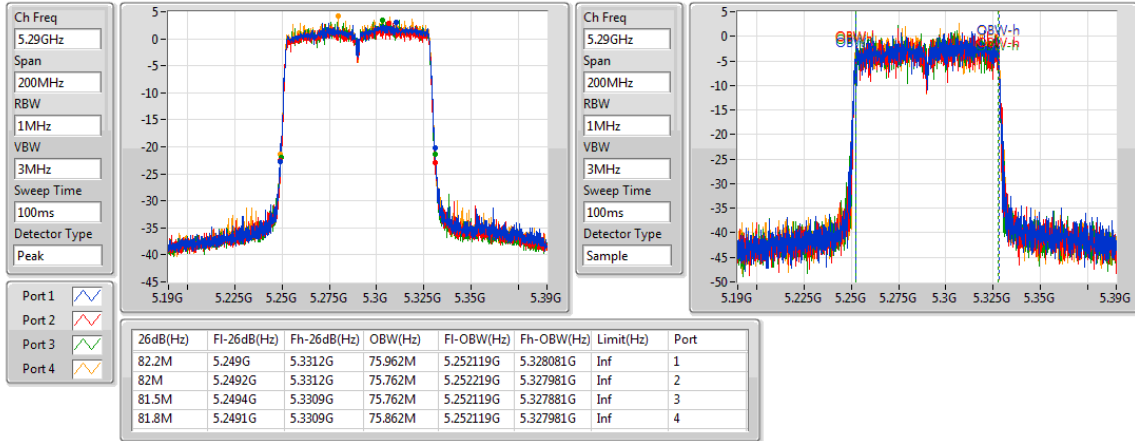
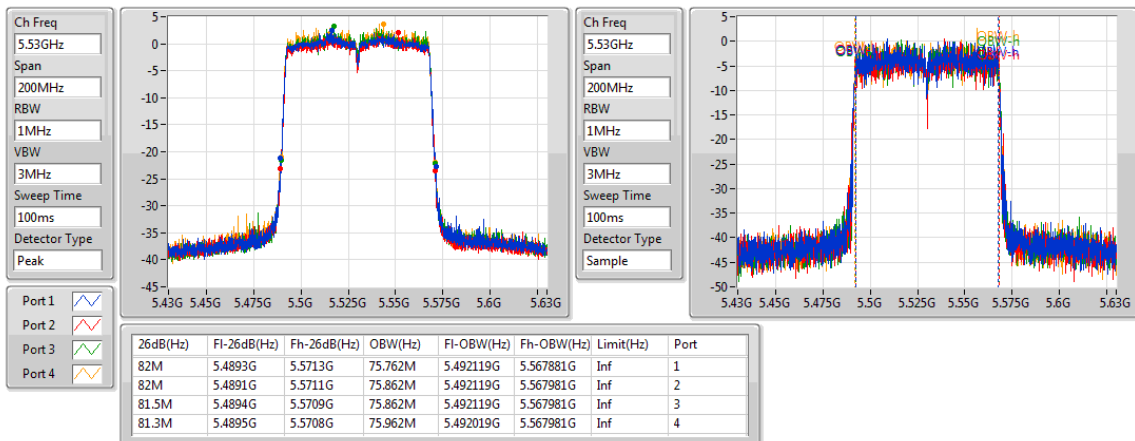
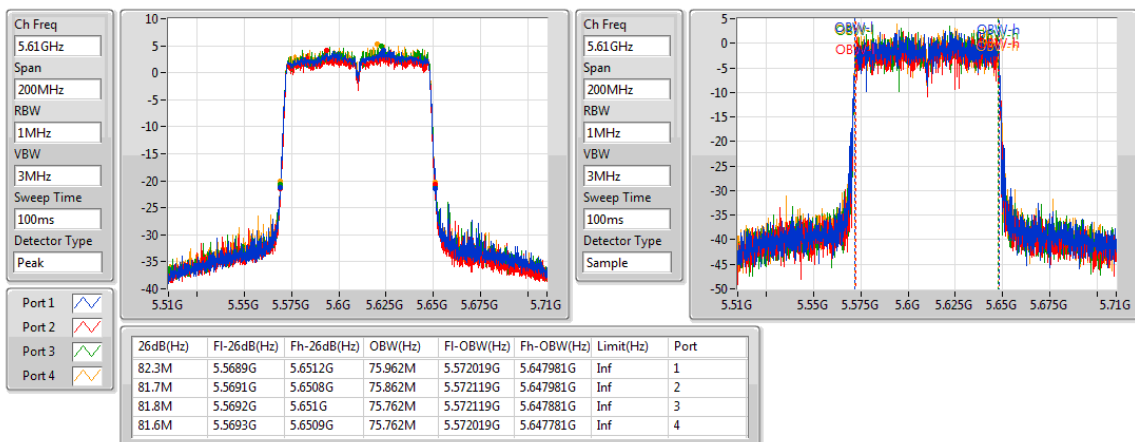
802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5745MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5785MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5825MHz


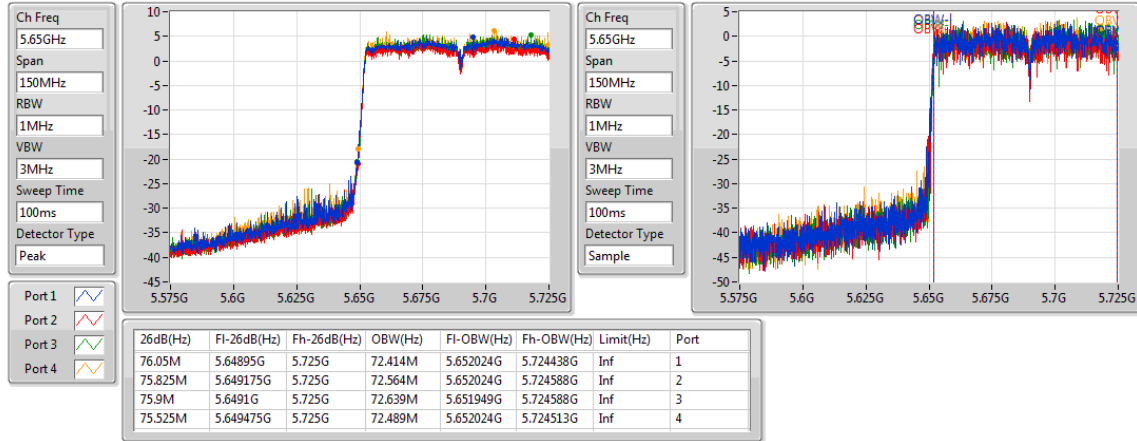
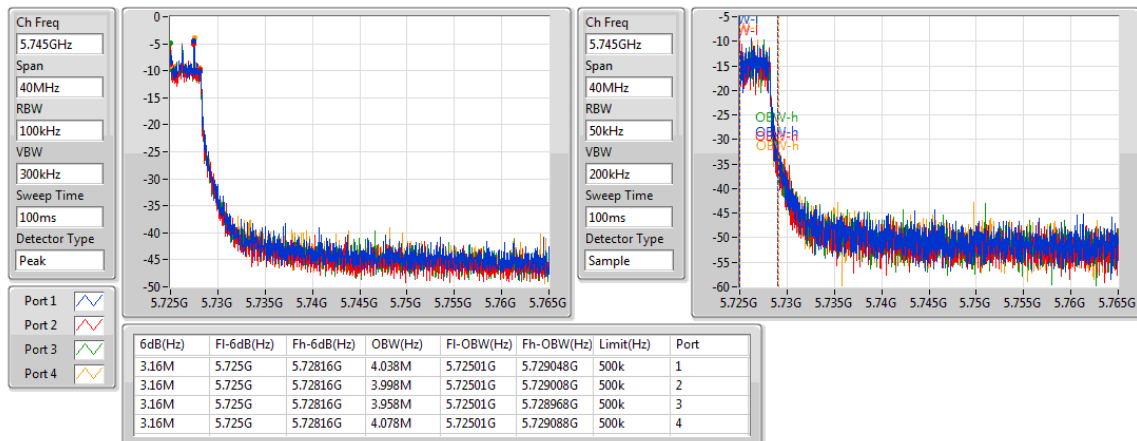
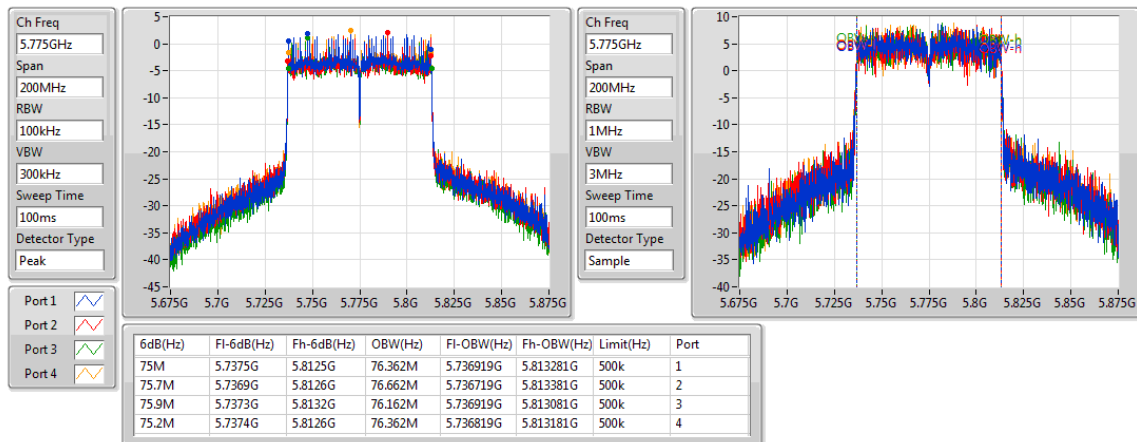
802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5190MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5230MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5270MHz


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5310MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5510MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5550MHz


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5670MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5755MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5795MHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5210MHz


802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5290MHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5530MHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5610MHz


802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5775MHz


For Mode 2 (Antenna Set 2 with Gray Cable):
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-
5.15-5.25GHz	21.775M	16.642M	16M6D1D	21.45M	16.542M
5.25-5.35GHz	21.725M	16.642M	16M6D1D	21.45M	16.542M
5.47-5.725GHz	21.85M	16.642M	16M6D1D	15.6M	13.223M
5.725-5.85GHz	16.4M	35.682M	35M7D1D	3.24M	4.118M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	30.7M	17.841M	17M8D1D	21.525M	17.741M
5.25-5.35GHz	30.85M	17.791M	17M8D1D	21.625M	17.716M
5.47-5.725GHz	30.925M	17.816M	17M8D1D	15.855M	13.808M
5.725-5.85GHz	17.7M	37.431M	37M4D1D	3.88M	4.478M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	73.3M	36.432M	36M4D1D	40.05M	36.282M
5.25-5.35GHz	76.9M	36.382M	36M4D1D	39.95M	36.282M
5.47-5.725GHz	76.45M	36.382M	36M4D1D	39.6M	33.058M
5.725-5.85GHz	36.35M	78.861M	78M9D1D	3.18M	16.612M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	81.1M	75.062M	75M1D1D	80.7M	74.963M
5.25-5.35GHz	82.2M	75.862M	75M9D1D	81.2M	75.662M
5.47-5.725GHz	133.8M	75.962M	76M0D1D	81.1M	72.564M
5.725-5.85GHz	76.1M	76.462M	76M5D1D	3.14M	24.188M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	50M	49.525M	49M5D1D	21.525M	17.741M
5.25-5.35GHz	26.6M	17.816M	17M8D1D	21.575M	17.716M
5.47-5.725GHz	27.8M	17.816M	17M8D1D	15.765M	13.838M
5.725-5.85GHz	17.65M	37.281M	37M3D1D	3.8M	4.338M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	49.85M	36.282M	36M3D1D	39.6M	36.232M
5.25-5.35GHz	48.8M	36.332M	36M3D1D	39.7M	36.182M
5.47-5.725GHz	51.95M	36.382M	36M4D1D	35M	32.954M
5.725-5.85GHz	36.35M	61.719M	61M7D1D	3.16M	3.798M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	81.6M	75.162M	75M2D1D	80.5M	74.863M
5.25-5.35GHz	81.9M	75.962M	76M0D1D	81.5M	75.862M
5.47-5.725GHz	93.2M	75.962M	76M0D1D	75.825M	72.414M
5.725-5.85GHz	76.3M	124.238M	124MD1D	3.16M	5.297M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

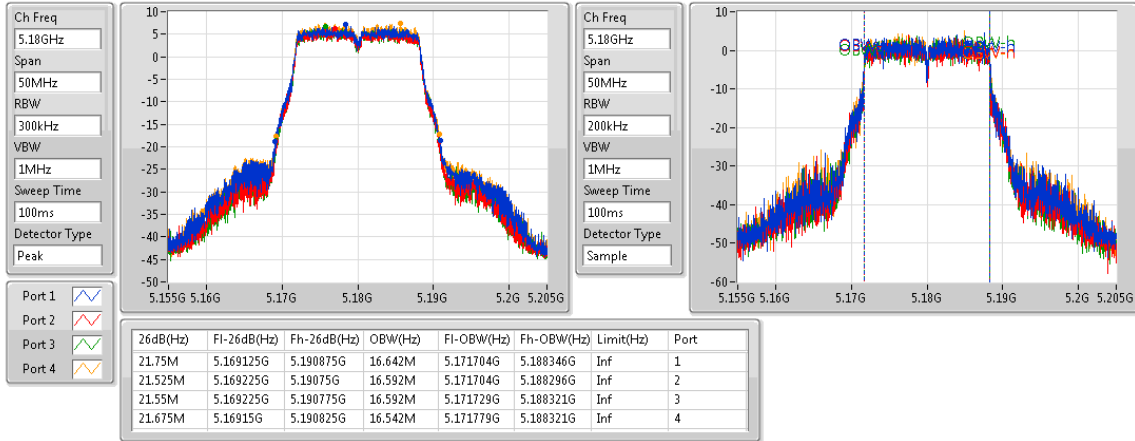
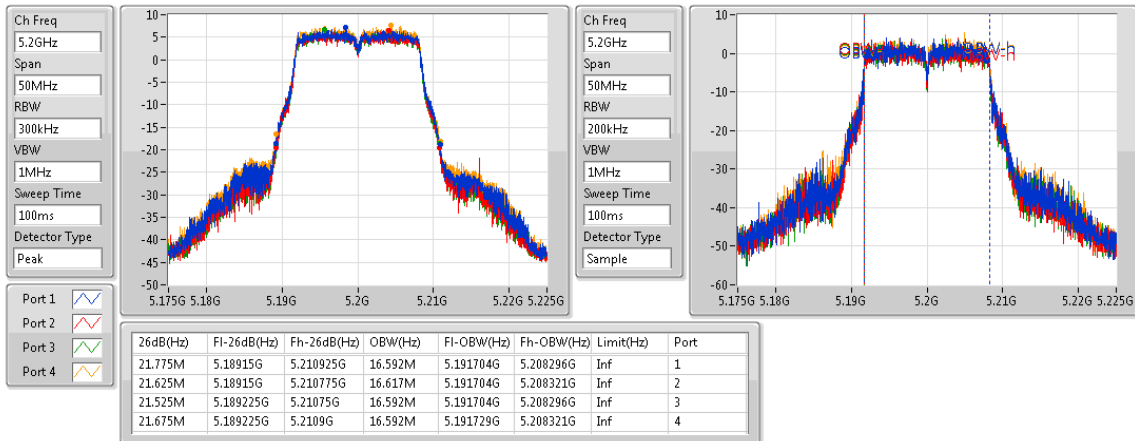
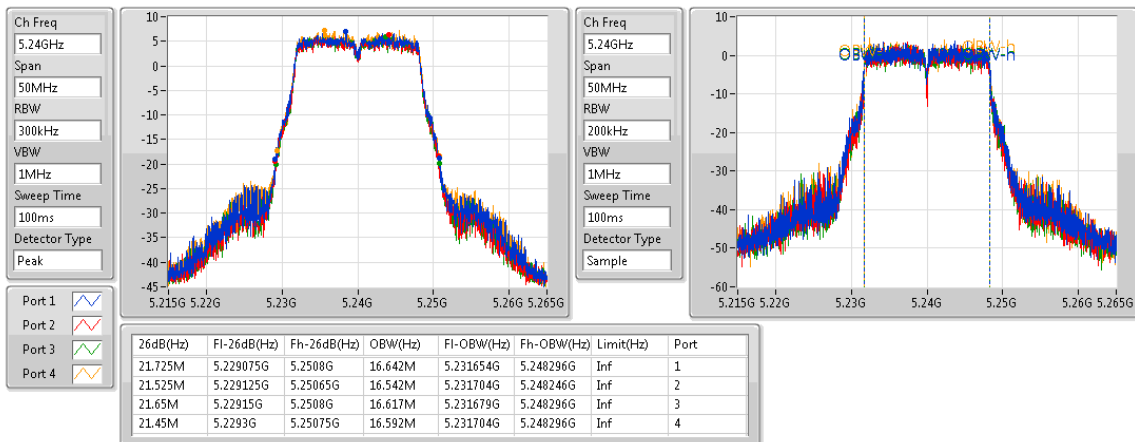
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.75M	16.642M	21.525M	16.592M	21.55M	16.592M	21.675M	16.542M
5200MHz	Pass	Inf	21.775M	16.592M	21.625M	16.617M	21.525M	16.592M	21.675M	16.592M
5240MHz	Pass	Inf	21.725M	16.642M	21.525M	16.542M	21.65M	16.617M	21.45M	16.592M
5260MHz	Pass	Inf	21.6M	16.592M	21.45M	16.542M	21.525M	16.617M	21.525M	16.567M
5300MHz	Pass	Inf	21.7M	16.567M	21.525M	16.542M	21.55M	16.542M	21.575M	16.567M
5320MHz	Pass	Inf	21.55M	16.542M	21.5M	16.642M	21.475M	16.567M	21.725M	16.567M
5500MHz	Pass	Inf	21.85M	16.617M	21.55M	16.567M	21.6M	16.567M	21.825M	16.617M
5580MHz	Pass	Inf	21.55M	16.567M	21.6M	16.642M	21.55M	16.592M	21.7M	16.592M
5700MHz	Pass	Inf	21.8M	16.592M	21.625M	16.617M	21.525M	16.592M	21.6M	16.617M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.75M	13.283M	15.81M	13.223M	15.675M	13.253M	15.6M	13.253M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.26M	4.118M	3.26M	4.198M	3.24M	4.218M	3.24M	4.218M
5745MHz	Pass	500k	16.325M	33.258M	16.35M	35.682M	16.3M	34.458M	16.375M	34.883M
5785MHz	Pass	500k	16.35M	32.584M	16.325M	35.057M	16.325M	34.183M	16.4M	34.333M
5825MHz	Pass	500k	16.325M	32.259M	16.325M	35.257M	16.35M	34.683M	16.4M	34.983M
802.11ac VHT20_Nss1,(MCS0)_ 4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	26.325M	17.766M	21.675M	17.741M	21.525M	17.766M	22.2M	17.791M
5200MHz	Pass	Inf	28.35M	17.841M	22.15M	17.766M	21.975M	17.766M	24.975M	17.766M
5240MHz	Pass	Inf	30.7M	17.741M	21.825M	17.791M	21.875M	17.791M	25.275M	17.766M
5260MHz	Pass	Inf	26.275M	17.791M	21.675M	17.766M	21.625M	17.741M	27.25M	17.716M
5300MHz	Pass	Inf	21.8M	17.766M	21.9M	17.741M	21.675M	17.766M	22.375M	17.741M
5320MHz	Pass	Inf	30.85M	17.766M	21.65M	17.741M	21.925M	17.741M	22.675M	17.741M
5500MHz	Pass	Inf	22.3M	17.766M	21.8M	17.741M	24.375M	17.791M	22.1M	17.766M
5580MHz	Pass	Inf	22.95M	17.816M	24.675M	17.791M	26.75M	17.741M	21.9M	17.791M
5700MHz	Pass	Inf	30.925M	17.791M	21.775M	17.791M	22.525M	17.791M	25.8M	17.766M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.855M	13.838M	16.17M	13.868M	16.05M	13.808M	16.245M	13.838M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.88M	4.478M	3.92M	4.518M	3.9M	4.498M	3.88M	4.498M
5745MHz	Pass	500k	17.275M	35.082M	17.7M	37.431M	17.6M	36.732M	17.5M	36.907M
5785MHz	Pass	500k	17.55M	34.533M	17.575M	37.056M	17.625M	35.832M	17.25M	36.782M
5825MHz	Pass	500k	17.575M	34.333M	17.55M	37.206M	17.575M	36.757M	17.525M	36.782M
802.11ac VHT40_Nss1,(MCS0)_ 4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.8M	36.282M	41.55M	36.282M	40.4M	36.282M	40.05M	36.332M
5230MHz	Pass	Inf	73.3M	36.332M	66.6M	36.332M	64M	36.282M	66.2M	36.432M
5270MHz	Pass	Inf	76.9M	36.382M	70.3M	36.382M	66.15M	36.282M	71.8M	36.332M
5310MHz	Pass	Inf	58.25M	36.282M	39.95M	36.282M	45.2M	36.332M	50.05M	36.282M
5510MHz	Pass	Inf	49.8M	36.282M	39.6M	36.232M	40.15M	36.282M	40.3M	36.282M
5550MHz	Pass	Inf	71.5M	36.332M	71.35M	36.382M	74M	36.332M	70.15M	36.382M
5670MHz	Pass	Inf	76.45M	36.382M	48.2M	36.382M	63.9M	36.282M	69.1M	36.382M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	47.95M	33.128M	46.585M	33.058M	48.475M	33.058M	51.24M	33.128M

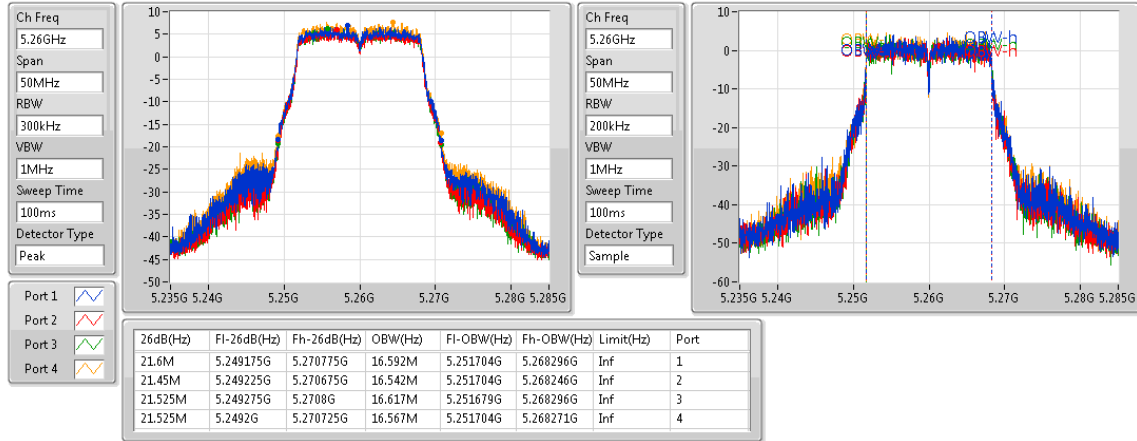
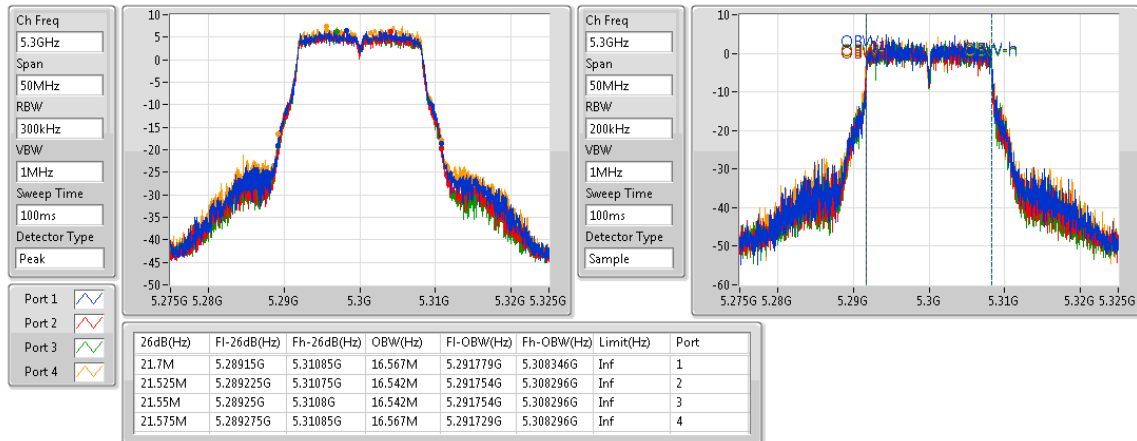
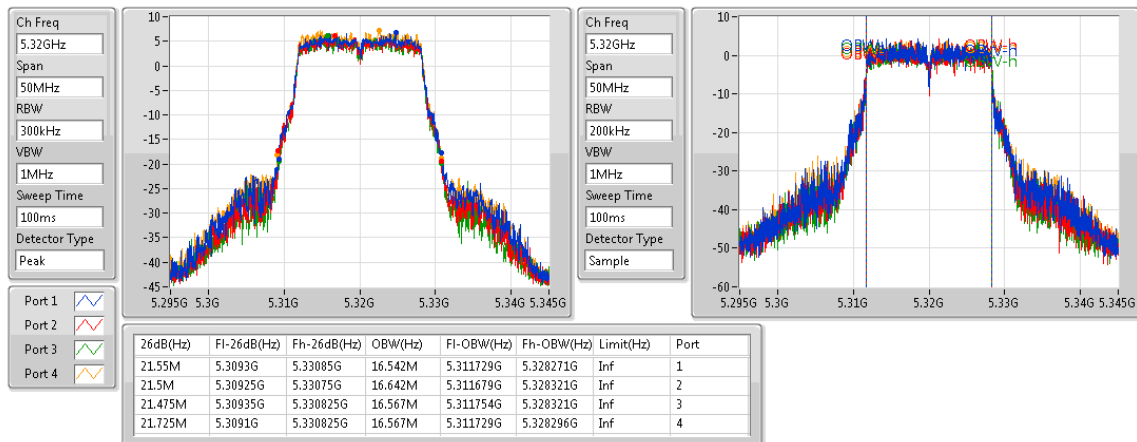
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.24M	16.612M	3.18M	16.632M	3.22M	17.631M	3.22M	18.671M
5755MHz	Pass	500k	36.3M	71.114M	36.3M	75.662M	36.25M	74.063M	36.35M	75.262M
5795MHz	Pass	500k	36.3M	75.812M	36.3M	78.861M	36.3M	76.712M	36.3M	77.311M
802.11ac VHT80_Nss1,(MCS0)_ 4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.1M	74.963M	81.1M	74.963M	80.8M	74.963M	80.7M	75.062M
5290MHz	Pass	Inf	82.2M	75.762M	81.9M	75.662M	81.2M	75.762M	81.8M	75.862M
5530MHz	Pass	Inf	82.5M	75.762M	82.3M	75.962M	81.1M	75.762M	81.7M	75.762M
5610MHz	Pass	Inf	133.4M	75.962M	133.8M	75.862M	88.4M	75.862M	129.8M	75.962M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	91.875M	72.564M	89.025M	72.714M	97.95M	72.639M	96.3M	72.639M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	24.588M	3.16M	24.188M	3.14M	24.628M	3.16M	28.586M
5775MHz	Pass	500k	75.8M	76.062M	76M	76.462M	76.1M	76.062M	75.1M	76.362M
802.11ac VHT20-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	50M	49.5M	50M	49.475M	50M	49.525M	50M	49.275M
5200MHz	Pass	Inf	22.625M	17.766M	21.775M	17.816M	21.775M	17.766M	25.7M	17.791M
5240MHz	Pass	Inf	26.65M	17.766M	21.8M	17.791M	21.525M	17.741M	23.1M	17.841M
5260MHz	Pass	Inf	21.85M	17.741M	21.75M	17.766M	21.675M	17.766M	26.125M	17.766M
5300MHz	Pass	Inf	26.6M	17.791M	21.6M	17.816M	21.6M	17.741M	24.025M	17.791M
5320MHz	Pass	Inf	21.975M	17.766M	21.75M	17.716M	21.575M	17.766M	22.025M	17.766M
5500MHz	Pass	Inf	25.875M	17.816M	21.775M	17.766M	22.975M	17.766M	24.325M	17.766M
5580MHz	Pass	Inf	22.65M	17.791M	27.8M	17.791M	21.7M	17.766M	26.3M	17.791M
5700MHz	Pass	Inf	21.925M	17.816M	22.225M	17.766M	22.025M	17.791M	23.675M	17.766M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.765M	13.898M	16.155M	13.838M	15.945M	13.853M	15.87M	13.853M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	4.358M	3.8M	4.438M	3.82M	4.338M	3.8M	4.418M
5745MHz	Pass	500k	17.625M	34.158M	17.625M	36.207M	17.65M	34.783M	17.55M	35.007M
5785MHz	Pass	500k	17.3M	34.533M	17.575M	36.357M	17.55M	35.007M	17.55M	35.307M
5825MHz	Pass	500k	17.55M	34.383M	17.525M	37.281M	17.6M	35.532M	17.575M	35.932M
802.11ac VHT40-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.3M	36.282M	39.6M	36.282M	39.65M	36.282M	39.9M	36.232M
5230MHz	Pass	Inf	49.85M	36.282M	41.4M	36.282M	40.15M	36.232M	47.85M	36.232M
5270MHz	Pass	Inf	48.8M	36.232M	40.1M	36.232M	39.95M	36.282M	46.95M	36.232M
5310MHz	Pass	Inf	45.25M	36.282M	39.95M	36.282M	39.7M	36.332M	40.35M	36.182M
5510MHz	Pass	Inf	40.45M	36.282M	39.6M	36.282M	40M	36.232M	46.5M	36.282M
5550MHz	Pass	Inf	48.2M	36.282M	39.7M	36.282M	40.05M	36.232M	51.9M	36.232M
5670MHz	Pass	Inf	49.3M	36.332M	39.85M	36.382M	51.95M	36.282M	39.95M	36.232M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.49M	32.989M	35M	33.023M	35.63M	32.954M	36.12M	32.954M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.798M	3.18M	3.878M	3.2M	3.798M	3.18M	3.958M
5755MHz	Pass	500k	36.3M	53.673M	36.3M	61.519M	36.35M	44.328M	36.25M	53.173M

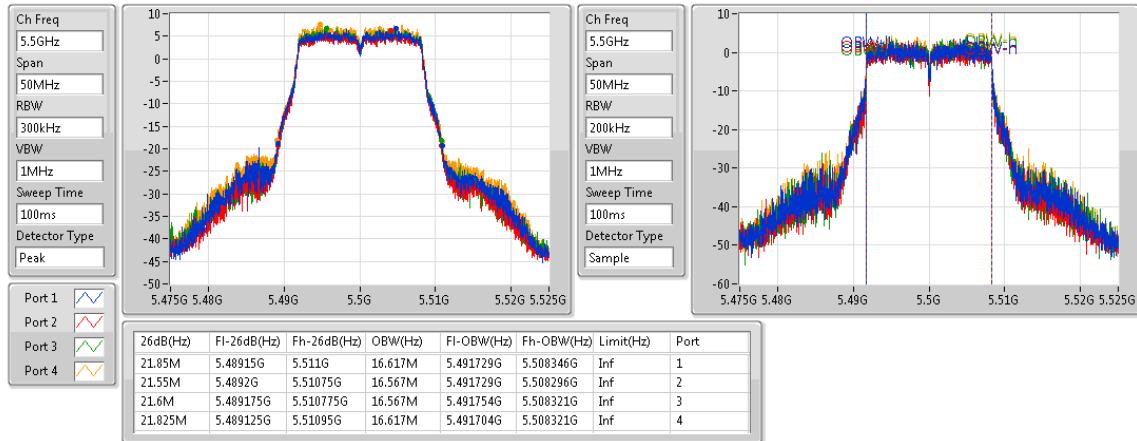
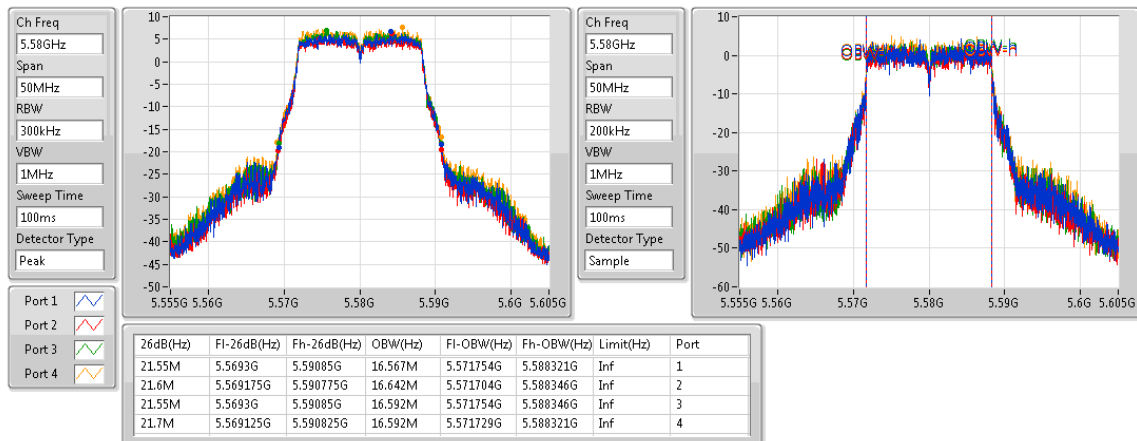
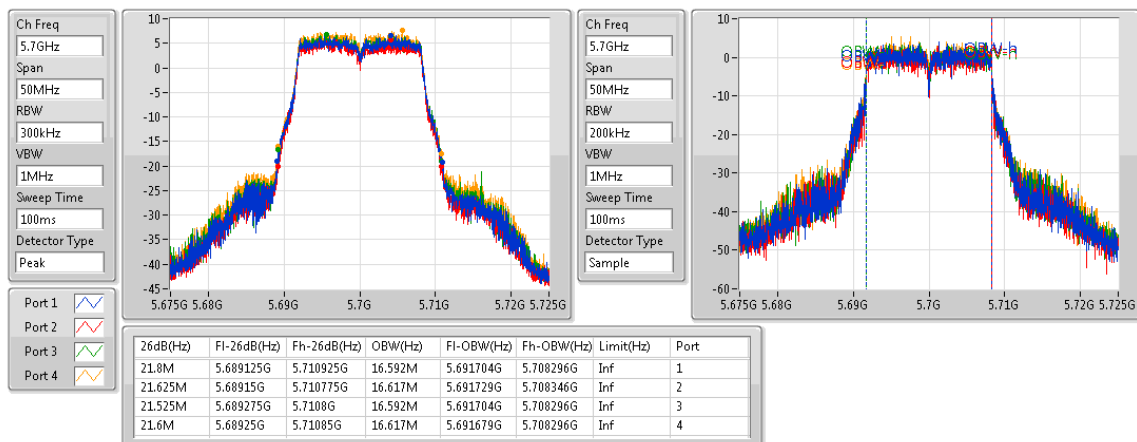
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5795MHz	Pass	500k	36.35M	49.625M	36.3M	61.719M	36.3M	48.426M	36.3M	53.623M
802.11ac VHT80-BF_Nss1,(MC S0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.6M	74.963M	80.9M	74.963M	81M	75.162M	80.5M	74.863M
5290MHz	Pass	Inf	81.9M	75.862M	81.9M	75.862M	81.5M	75.862M	81.8M	75.962M
5530MHz	Pass	Inf	82M	75.762M	81.5M	75.762M	81.7M	75.862M	81.6M	75.562M
5610MHz	Pass	Inf	86.1M	75.762M	93.2M	75.962M	81.7M	75.862M	81.4M	75.862M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.275M	72.489M	75.825M	72.489M	75.825M	72.489M	75.9M	72.414M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	6.197M	3.18M	5.297M	3.18M	5.637M	3.16M	6.817M
5775MHz	Pass	500k	75.2M	108.746M	73.8M	118.641M	76.3M	110.945M	73.8M	124.238M

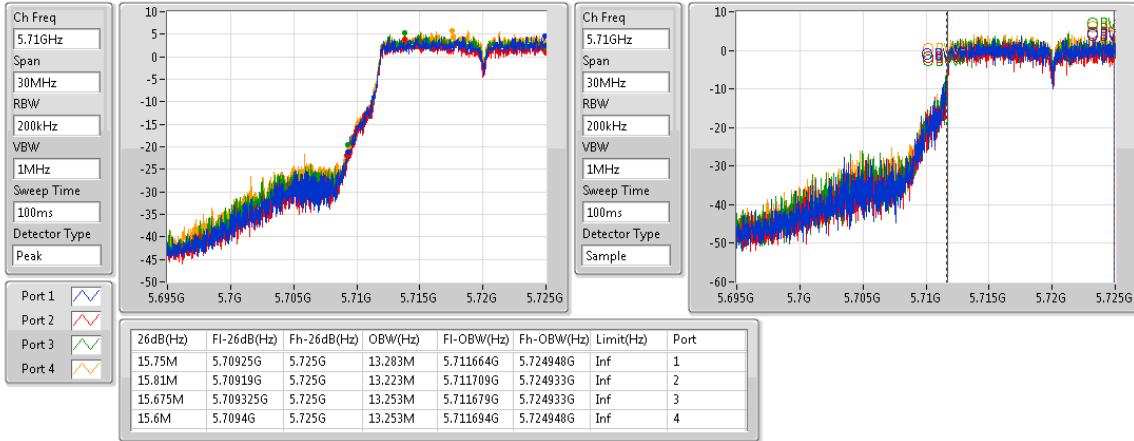
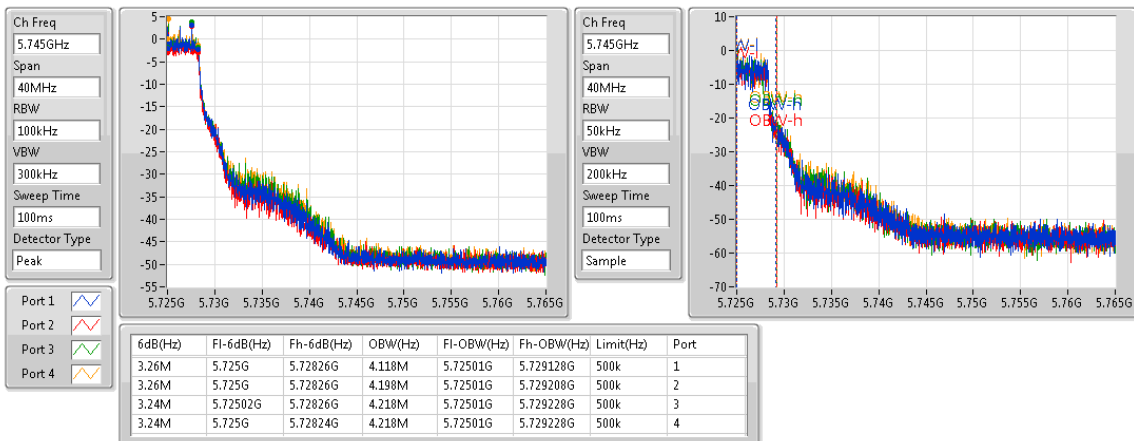
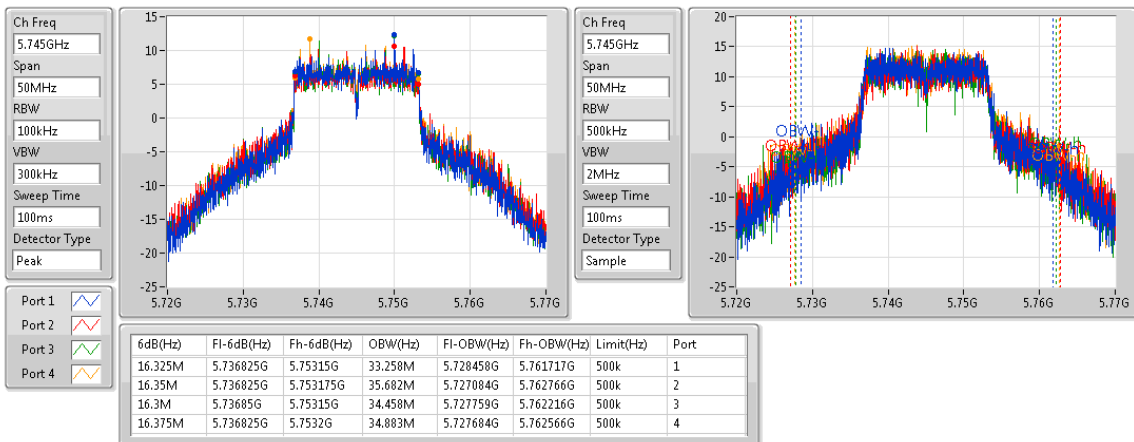
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

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

802.11a (6Mbps)_4TX
EBW
5180MHz

802.11a (6Mbps)_4TX
EBW
5200MHz

802.11a (6Mbps)_4TX
EBW
5240MHz


802.11a (6Mbps)_4TX
EBW
5260MHz

802.11a (6Mbps)_4TX
EBW
5300MHz

802.11a (6Mbps)_4TX
EBW
5320MHz


802.11a (6Mbps)_4TX
EBW
5500MHz

802.11a (6Mbps)_4TX
EBW
5580MHz

802.11a (6Mbps)_4TX
EBW
5700MHz


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

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

802.11a (6Mbps)_4TX
EBW
5745MHz


802.11a (6Mbps)_4TX
EBW
5785MHz

Ch Freq
5.785GHz

Span
50MHz

RBW
100kHz

VBW
300kHz

Sweep Time
100ms

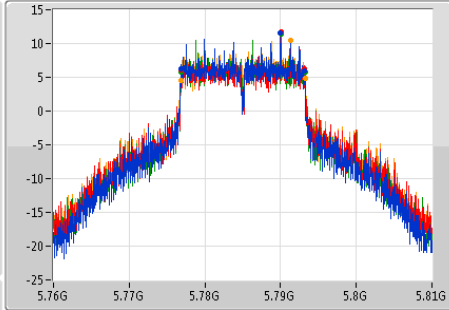
Detector Type
Peak

Port 1 

Port 2 

Port 3 

Port 4 



Ch Freq
5.785GHz

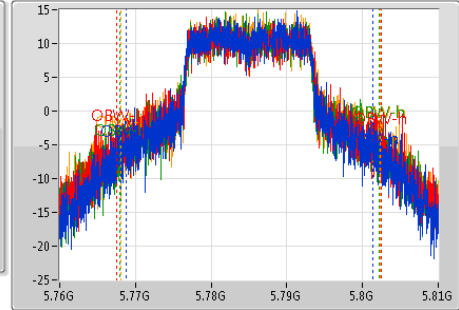
Span
50MHz

RBW
500kHz

VBW
2MHz

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
16.35M	5.77685G	5.7932G	32.584M	5.768808G	5.801392G	500k	1
16.325M	5.776875G	5.7932G	35.057M	5.767484G	5.802541G	500k	2
16.325M	5.7769G	5.793225G	34.183M	5.767984G	5.802166G	500k	3
16.4M	5.77685G	5.79325G	34.333M	5.768058G	5.802391G	500k	4

802.11a (6Mbps)_4TX
EBW
5825MHz

Ch Freq
5.825GHz

Span
50MHz

RBW
100kHz

VBW
300kHz

Sweep Time
100ms

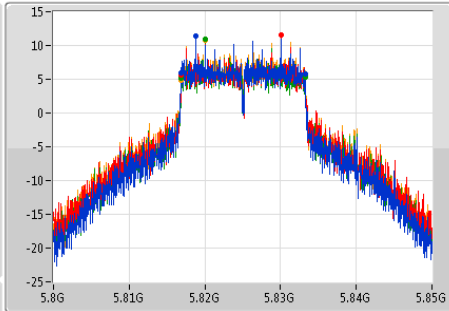
Detector Type
Peak

Port 1 

Port 2 

Port 3 

Port 4 



Ch Freq
5.825GHz

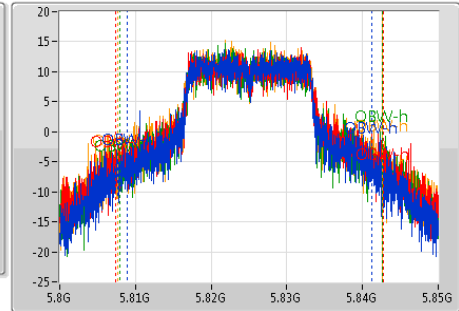
Span
50MHz

RBW
500kHz

VBW
2MHz

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
16.325M	5.8169G	5.833225G	32.259M	5.808908G	5.841167G	500k	1
16.325M	5.8169G	5.833225G	35.257M	5.807434G	5.842691G	500k	2
16.35M	5.8169G	5.83325G	34.683M	5.807909G	5.842591G	500k	3
16.4M	5.816875G	5.833275G	34.983M	5.807634G	5.842616G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5180MHz

Ch Freq
5.18GHz

Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

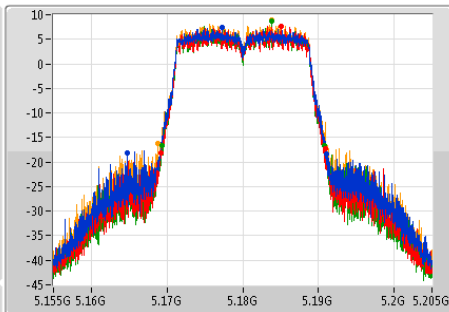
Detector Type
Peak

Port 1 

Port 2 

Port 3 

Port 4 



Ch Freq
5.18GHz

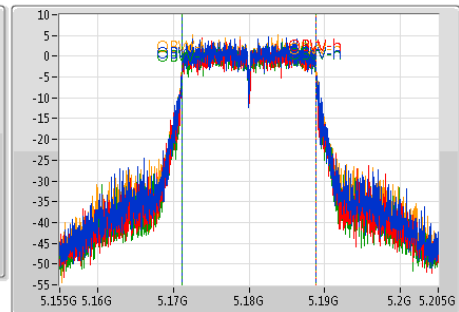
Span
50MHz

RBW
200kHz

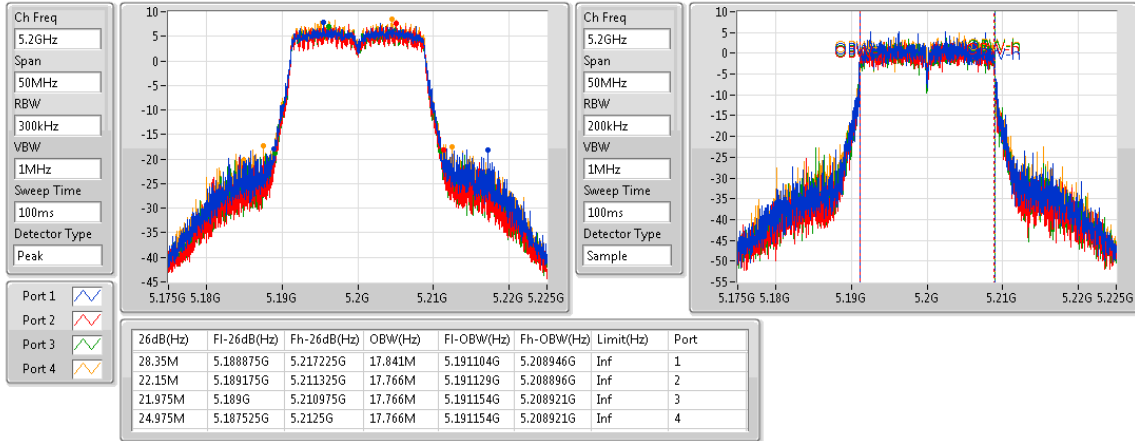
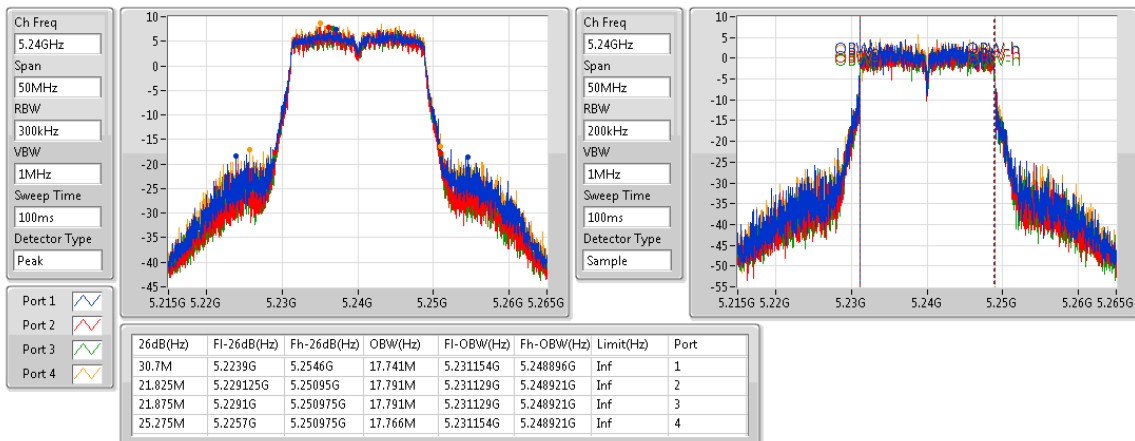
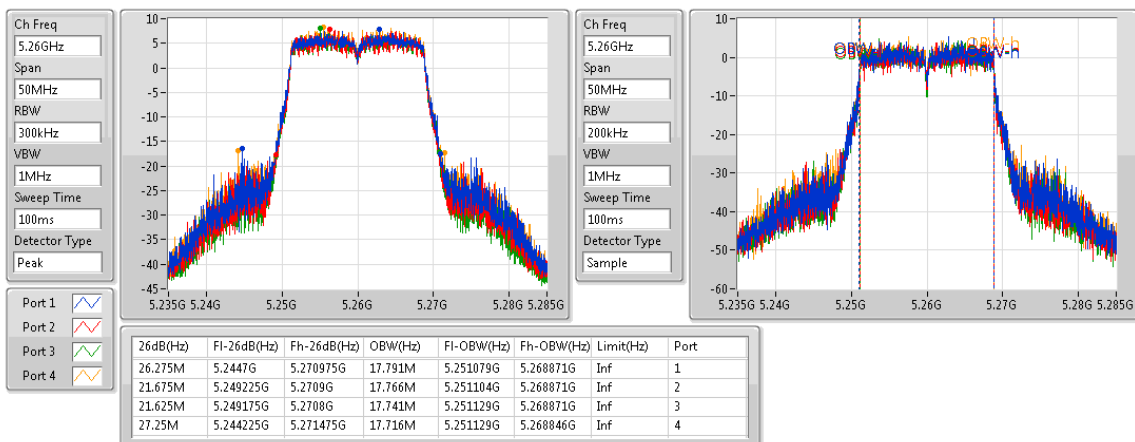
VBW
1MHz

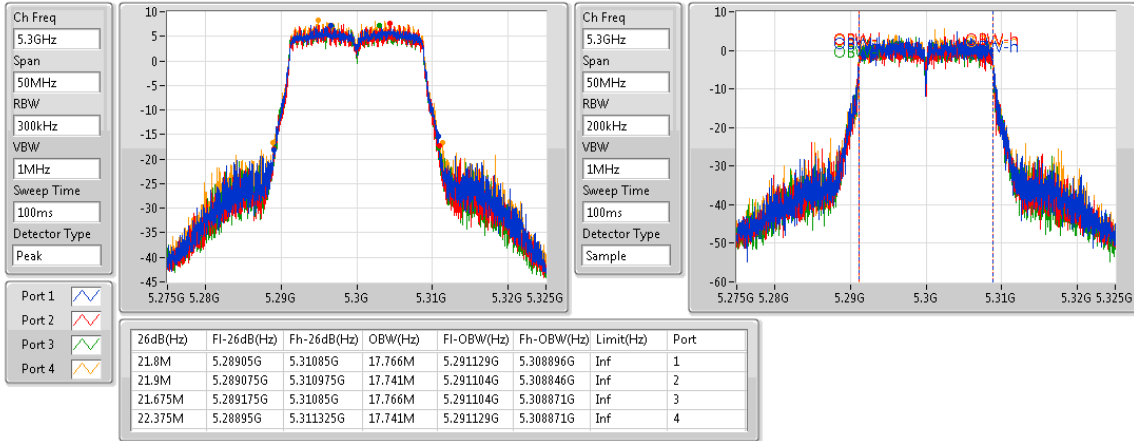
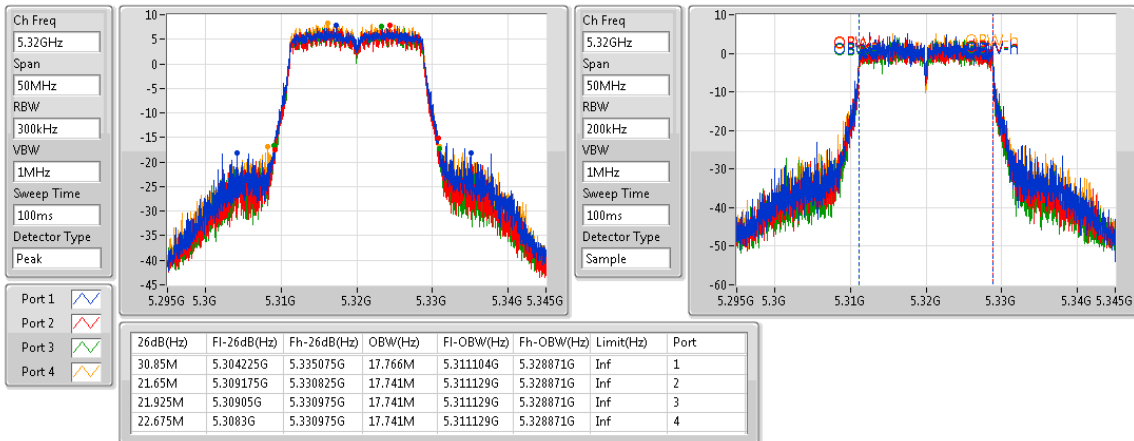
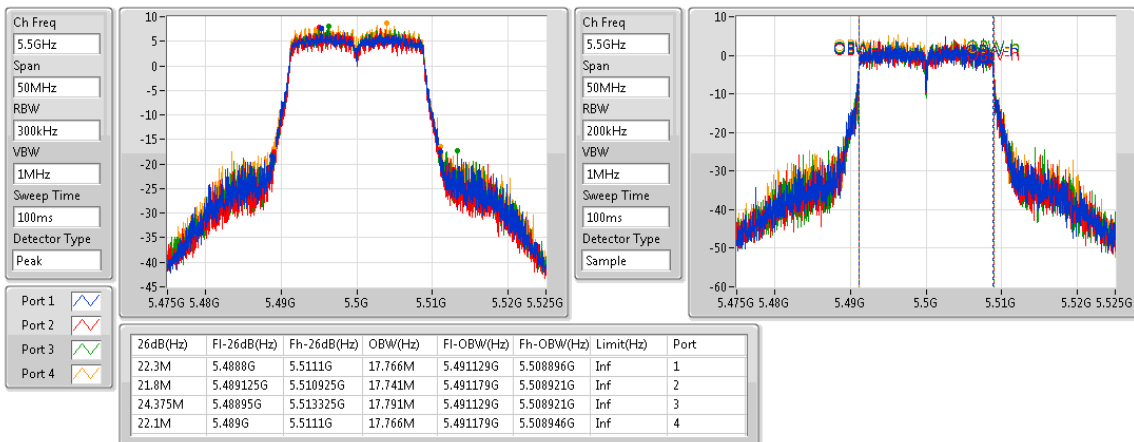
Sweep Time
100ms

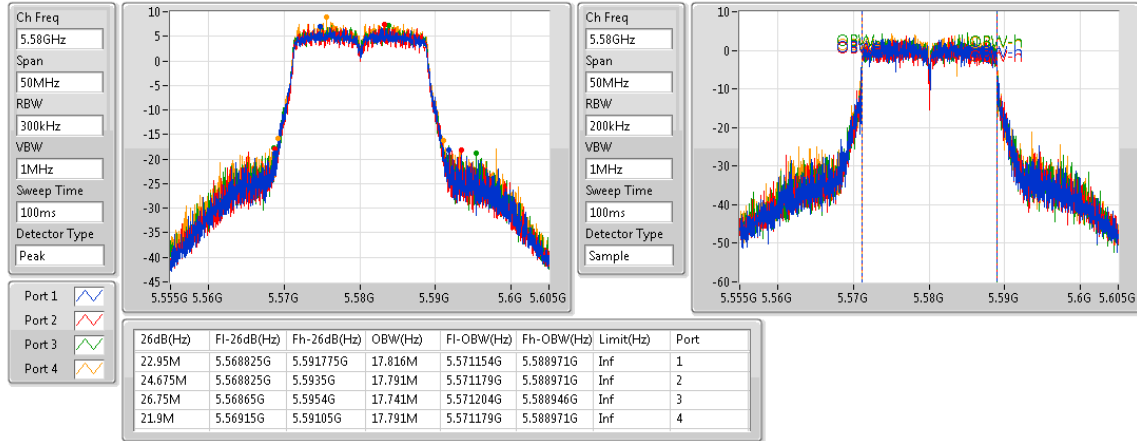
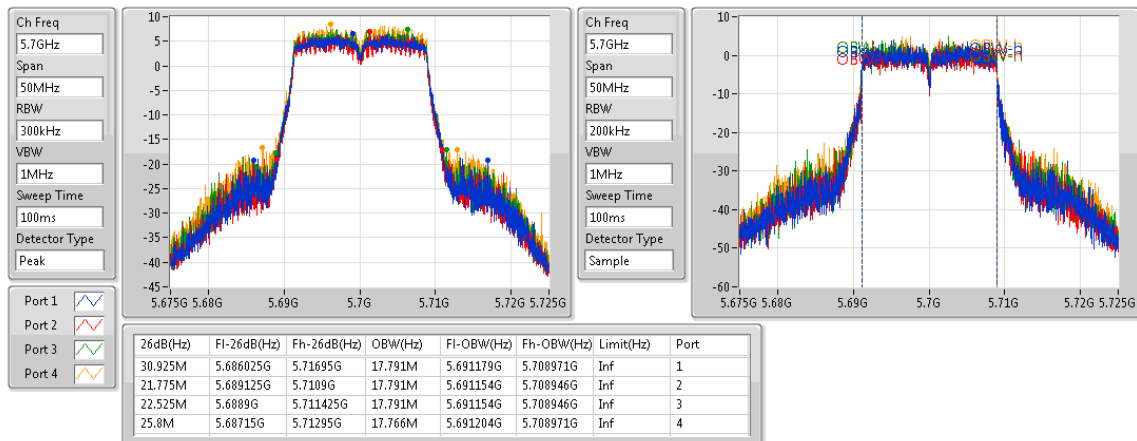
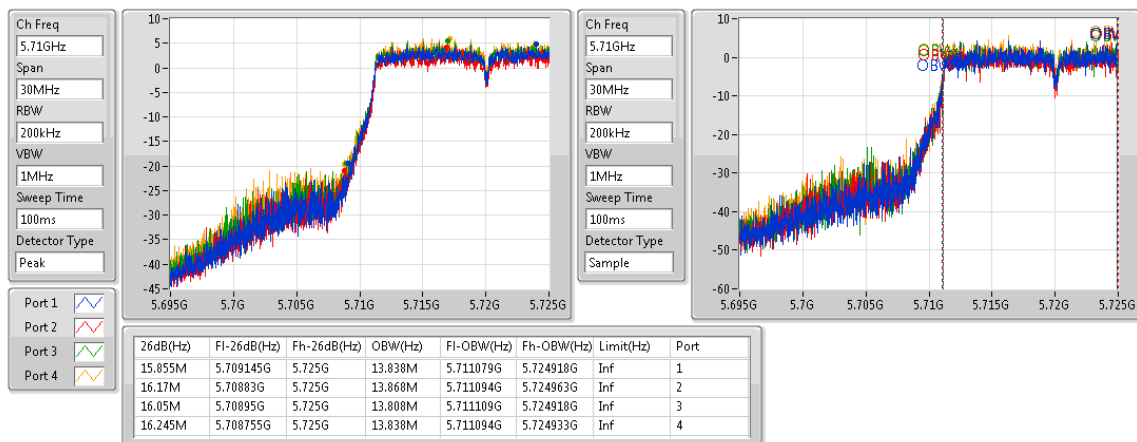
Detector Type
Sample

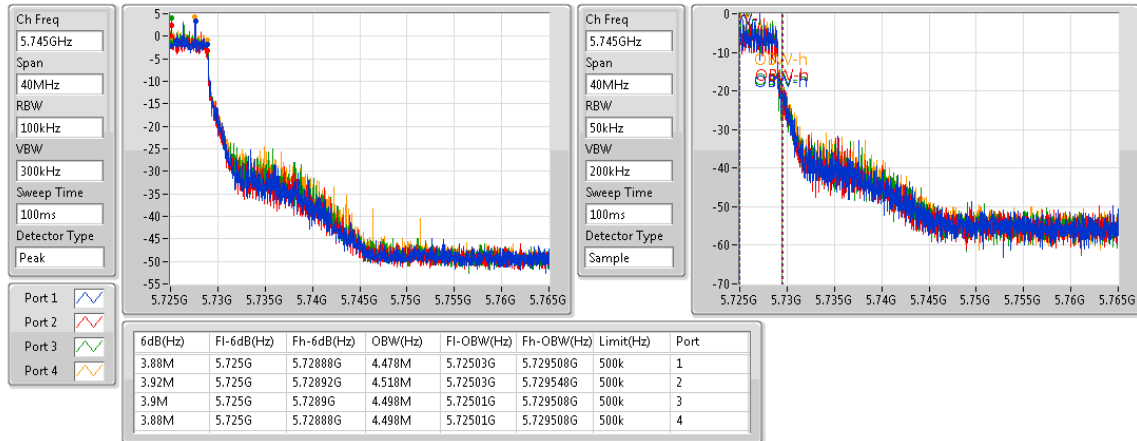


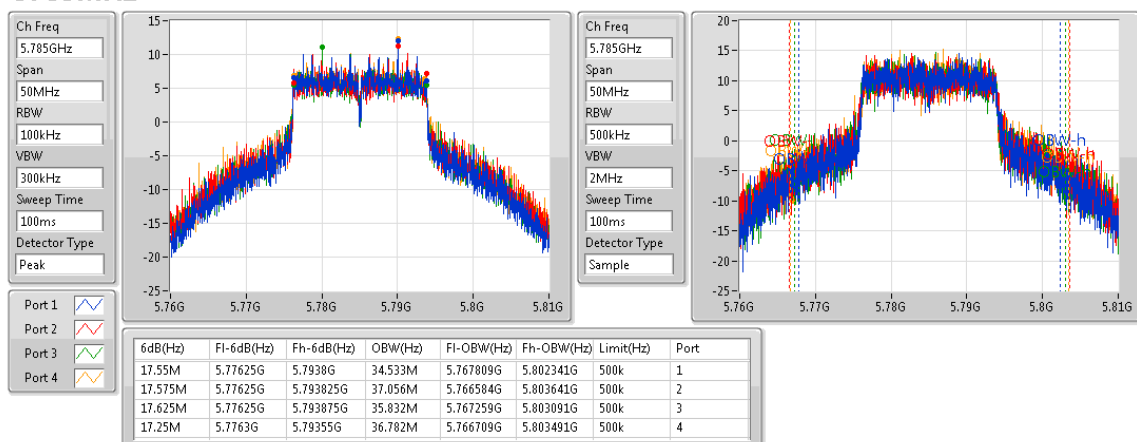
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.325M	5.16475G	5.191075G	17.766M	5.171129G	5.188896G	Inf	1
21.675M	5.1692G	5.190875G	17.741M	5.171129G	5.188871G	Inf	2
21.525M	5.1693G	5.190825G	17.766M	5.171104G	5.188871G	Inf	3
22.2M	5.16875G	5.19095G	17.791M	5.171104G	5.188896G	Inf	4

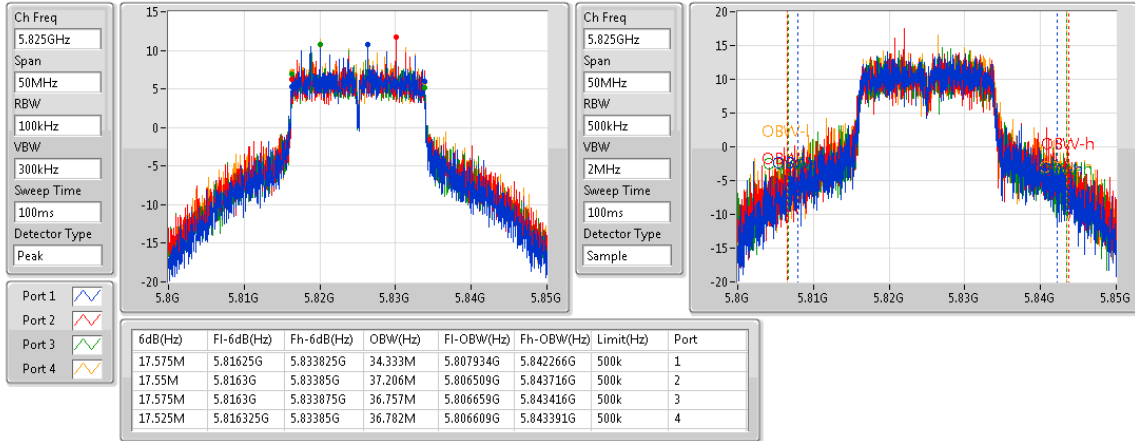
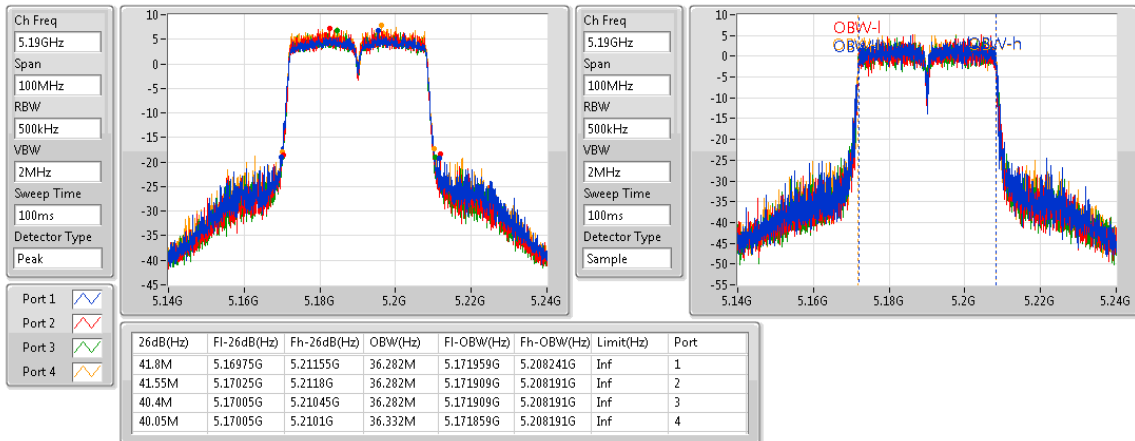
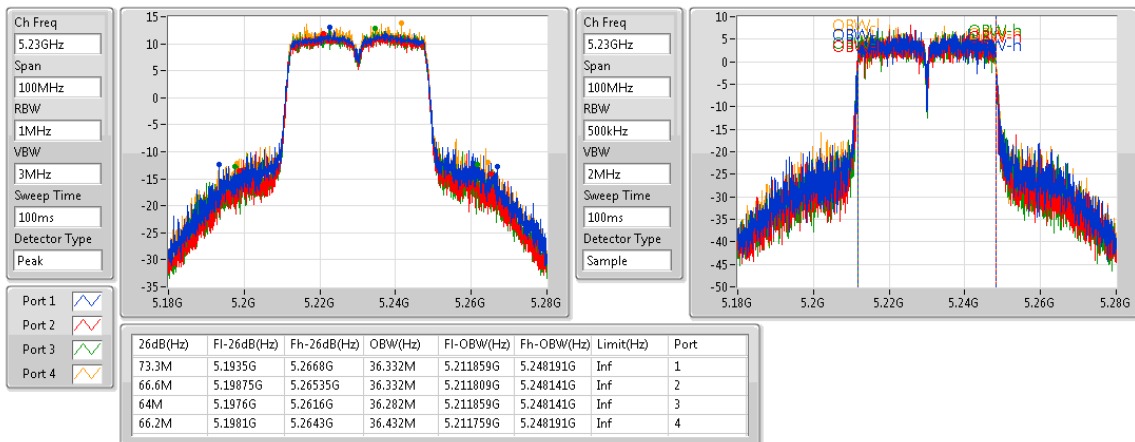
802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5200MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5240MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5260MHz


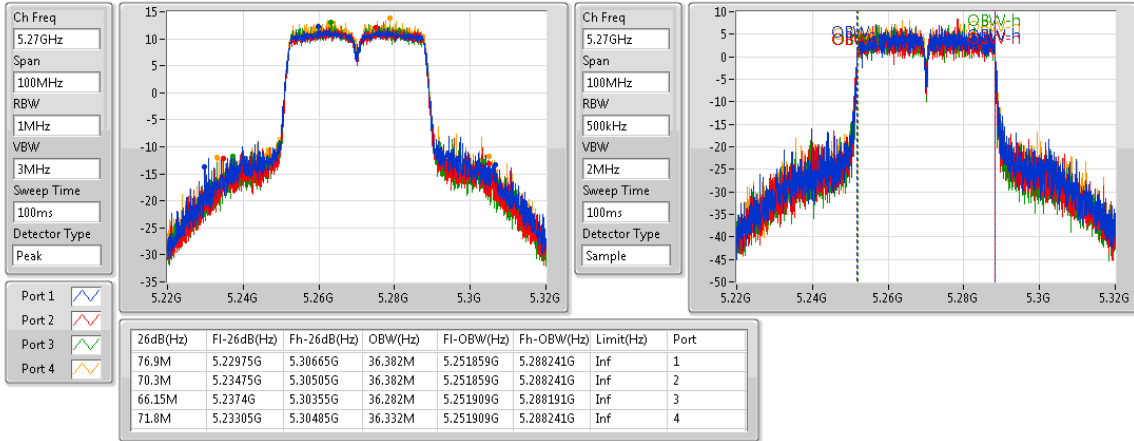
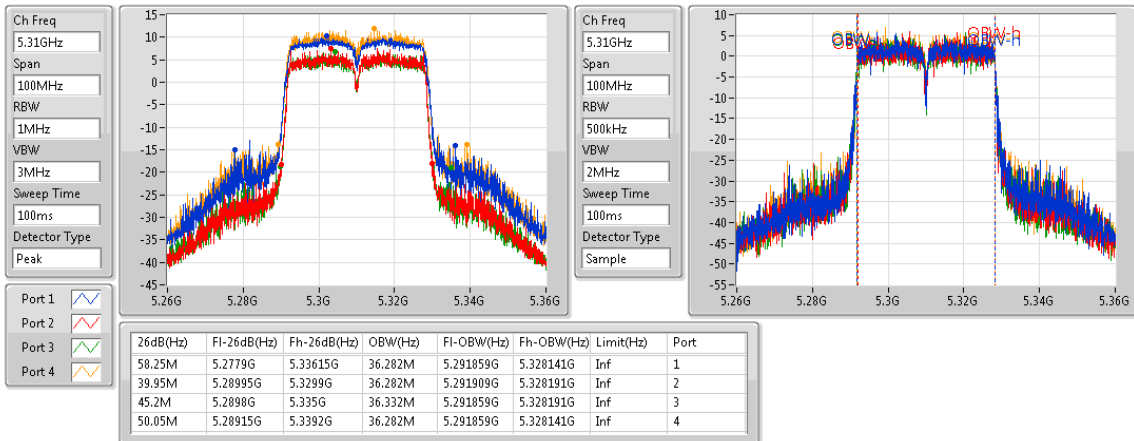
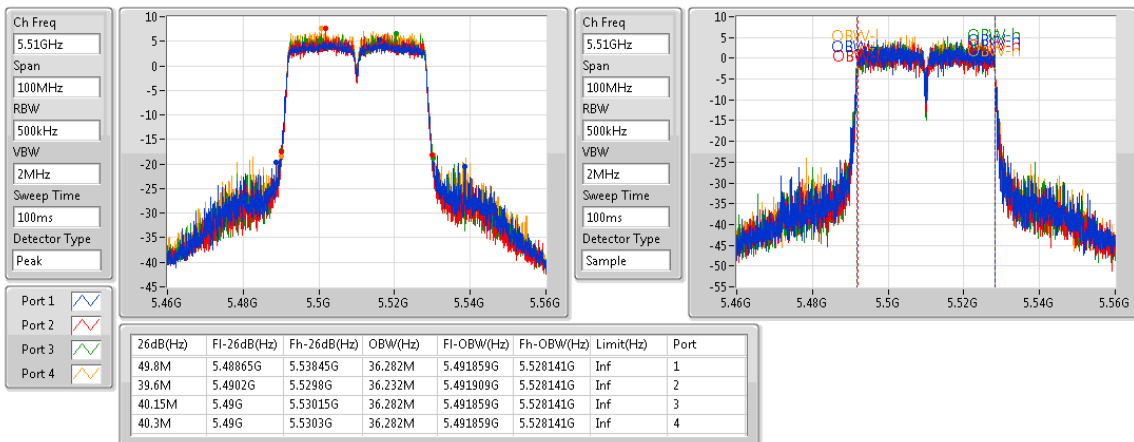
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EBW
5300MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5320MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5500MHz


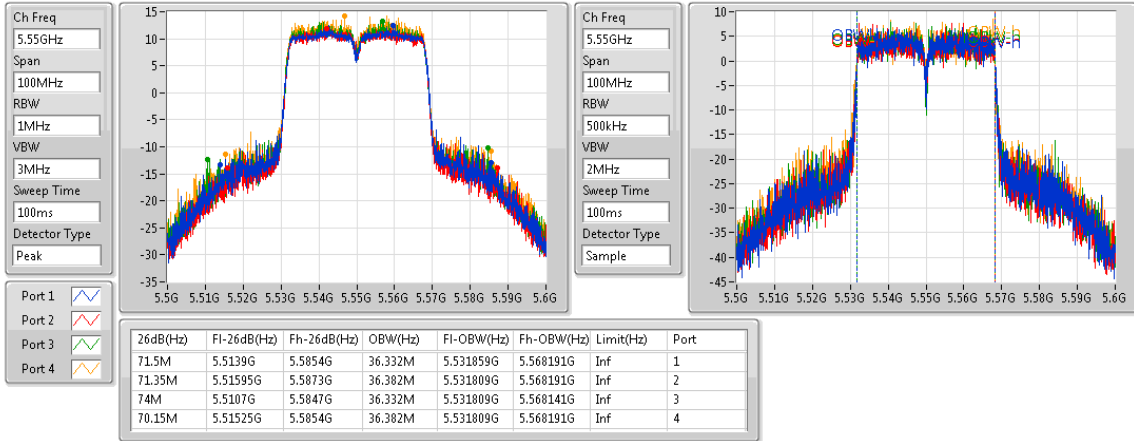
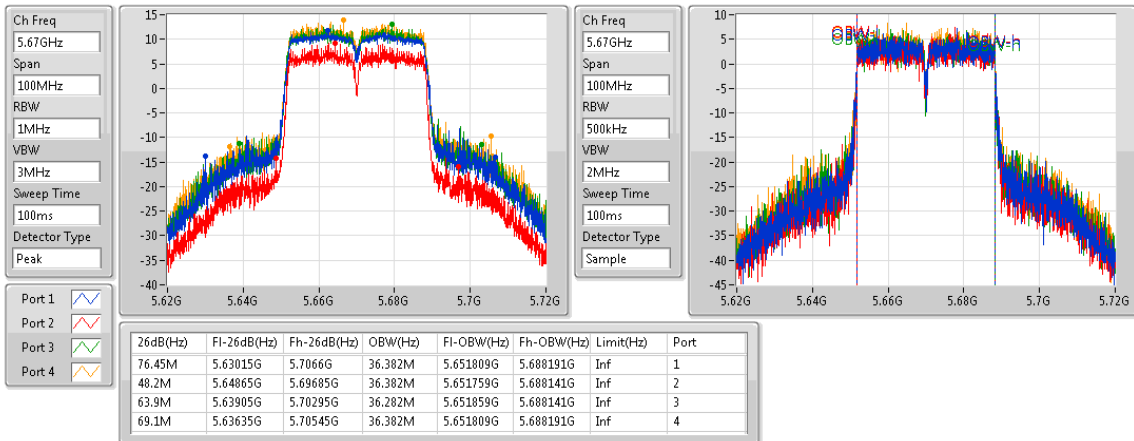
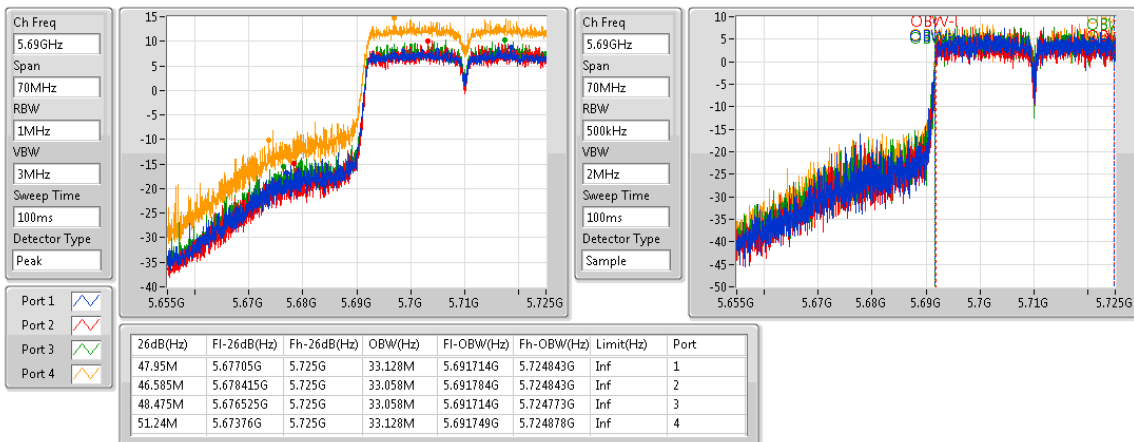
802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5580MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5700MHz

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


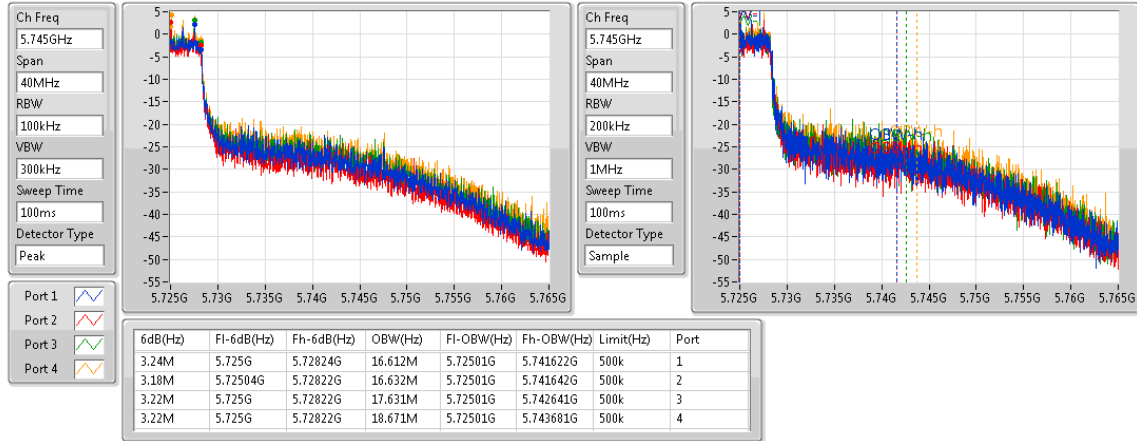
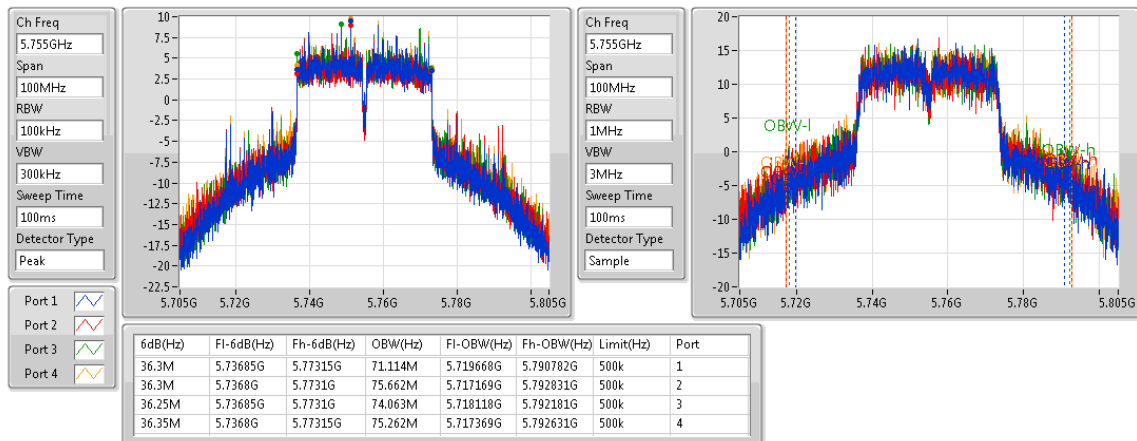
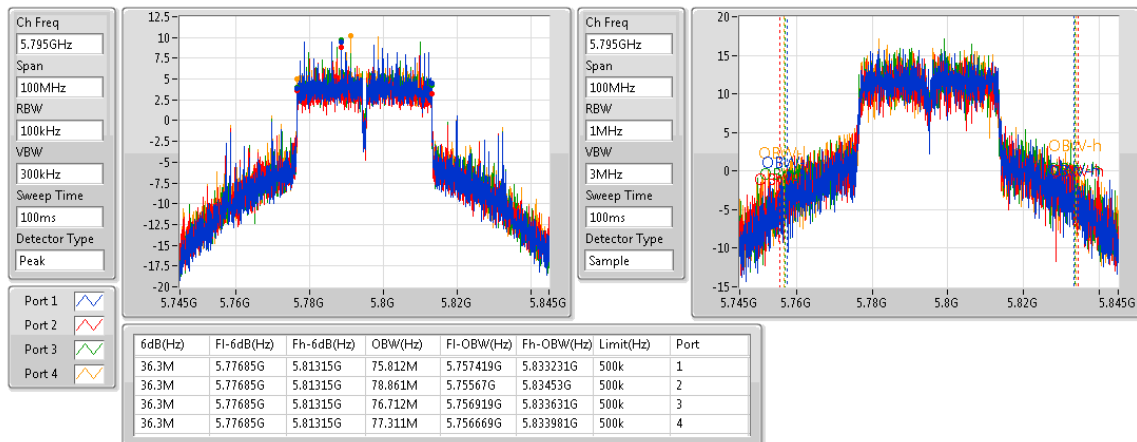
802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5745MHz

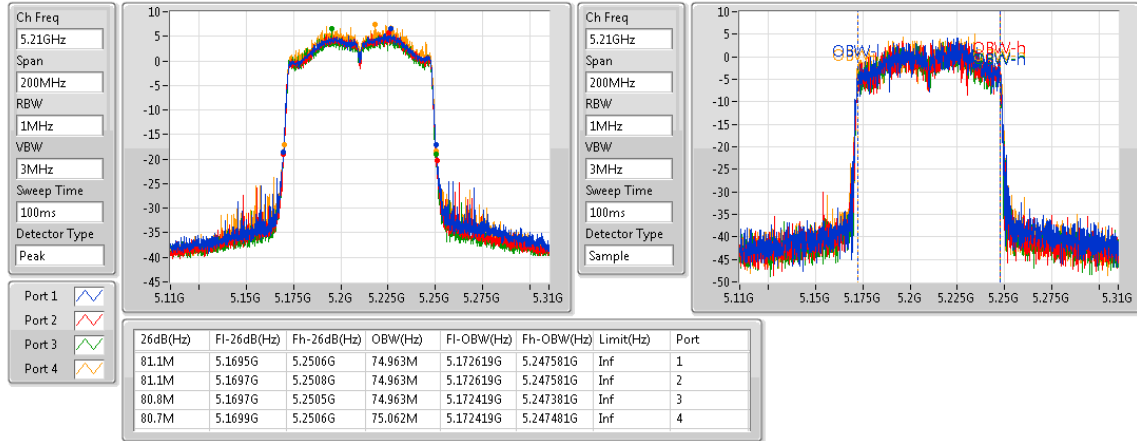
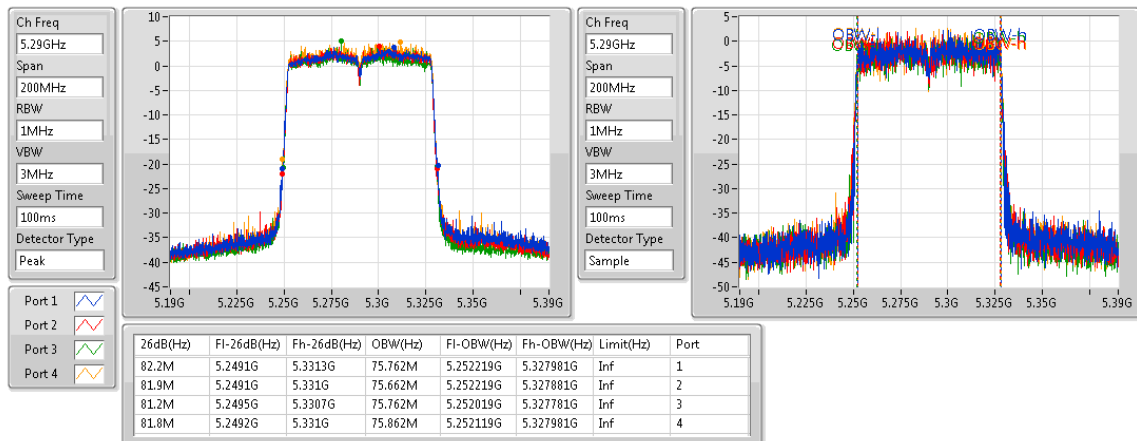
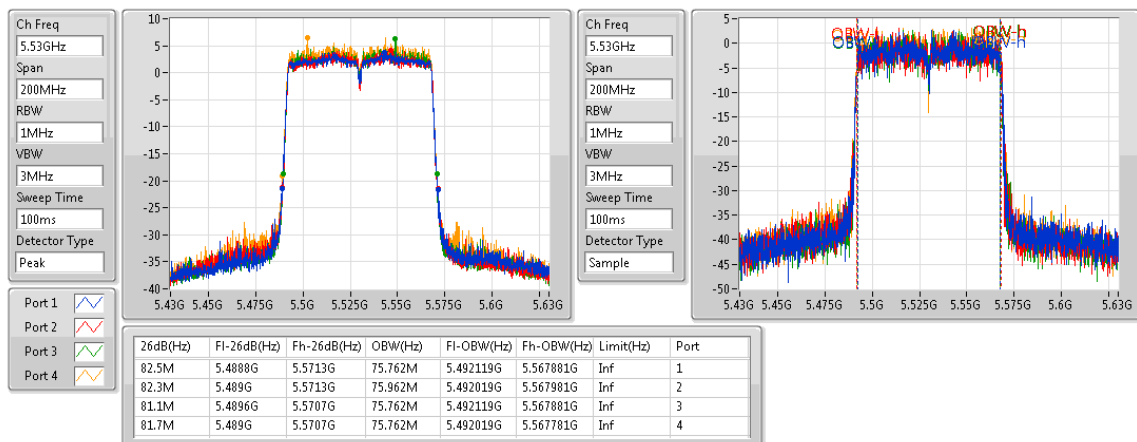
802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5785MHz


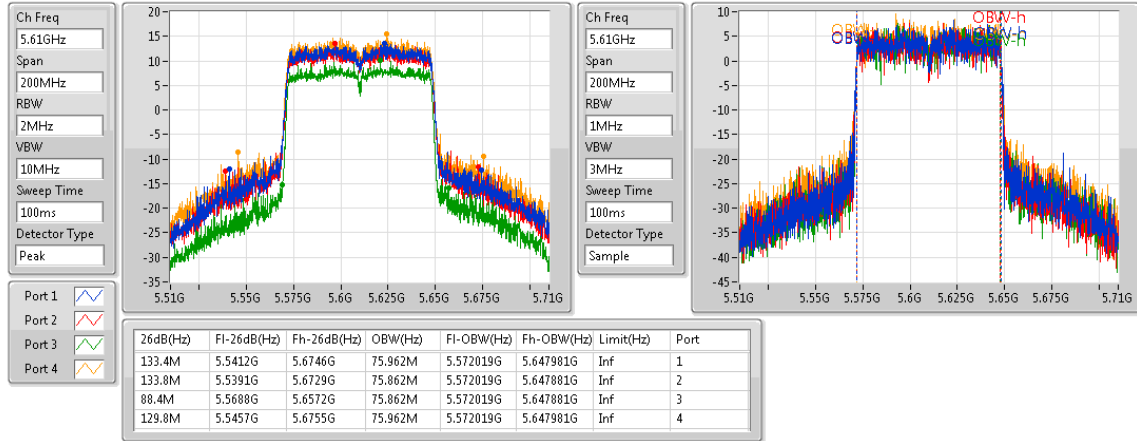
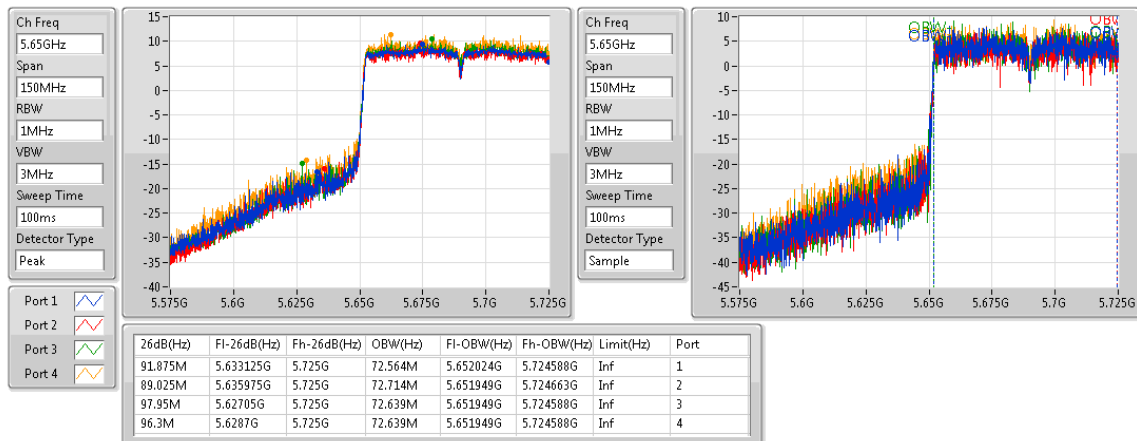
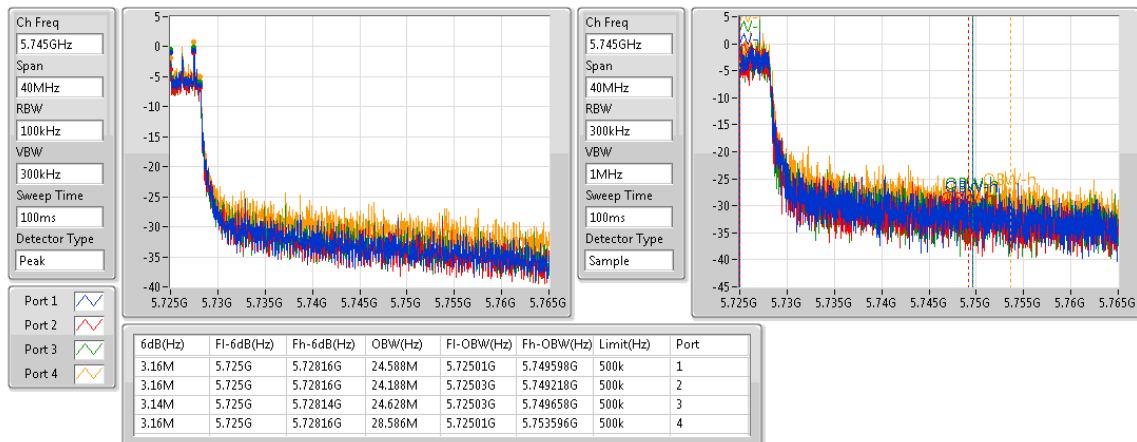
802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5825MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5190MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5230MHz


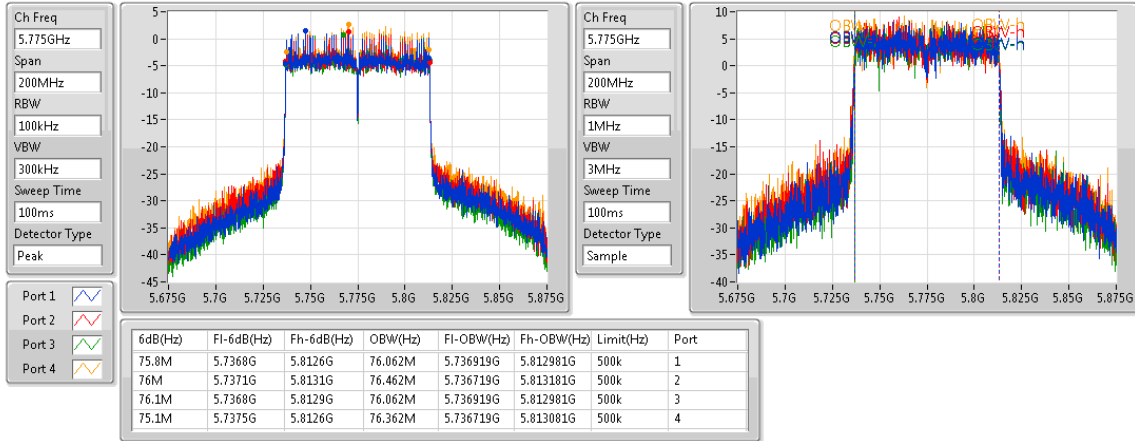
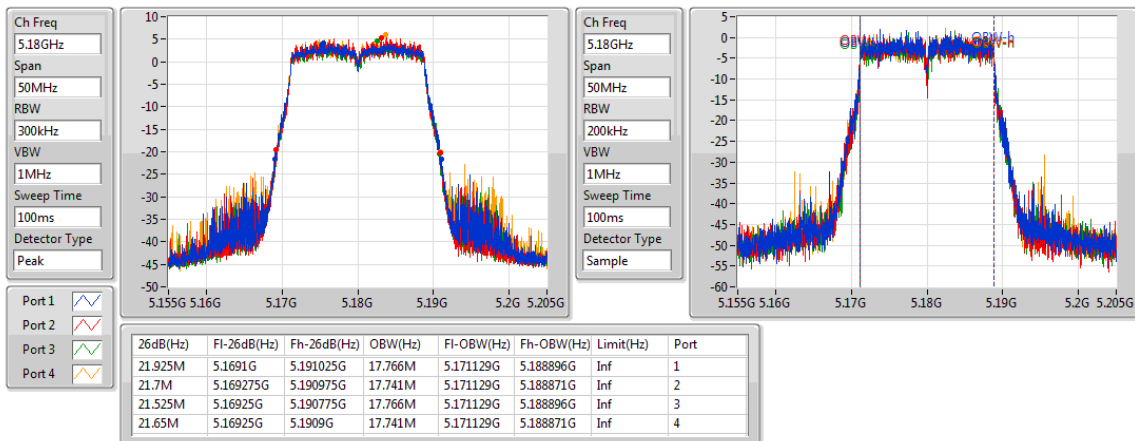
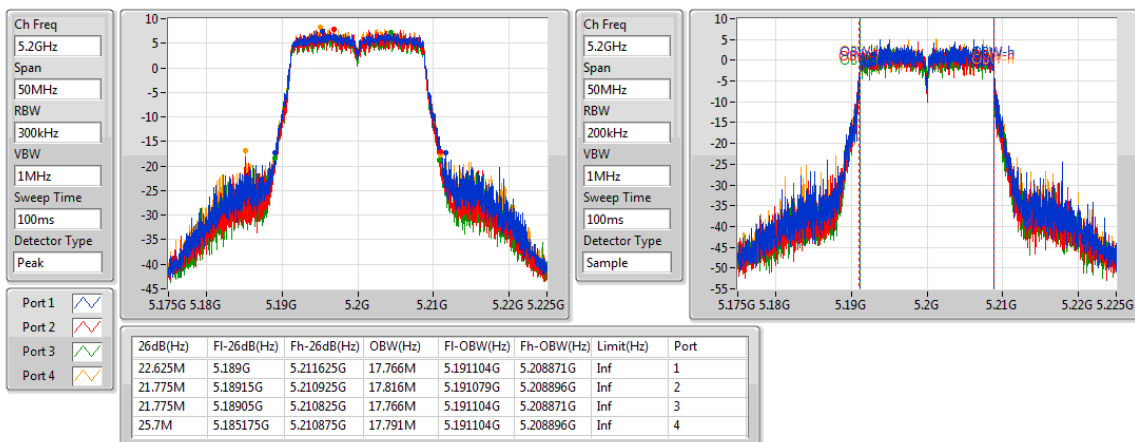
802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5270MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5310MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5510MHz


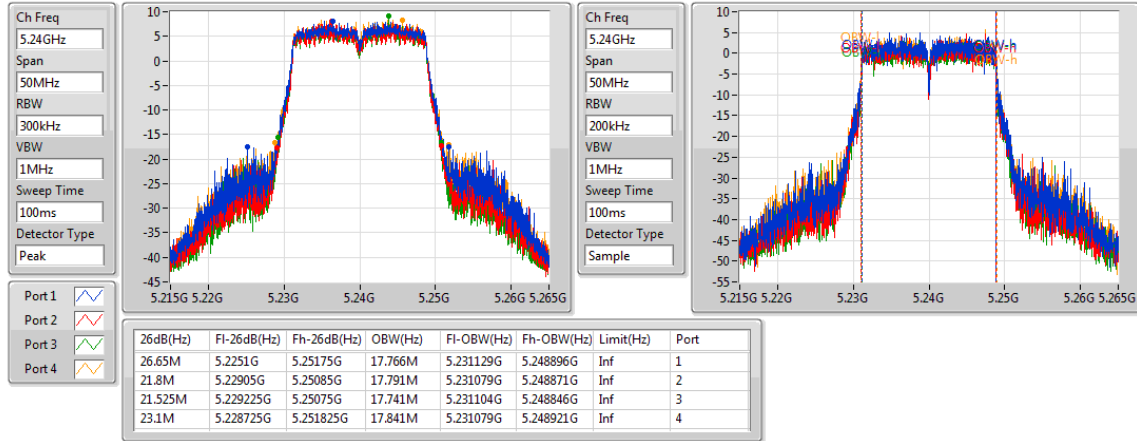
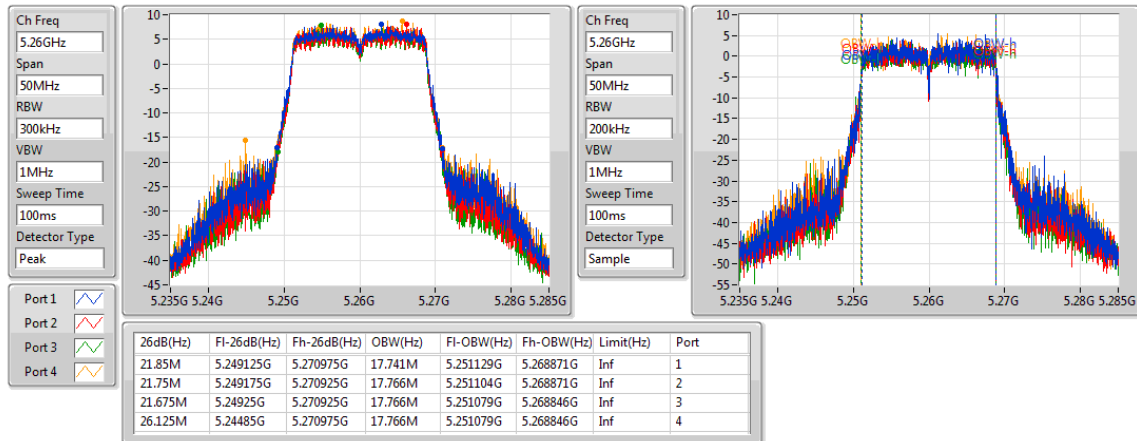
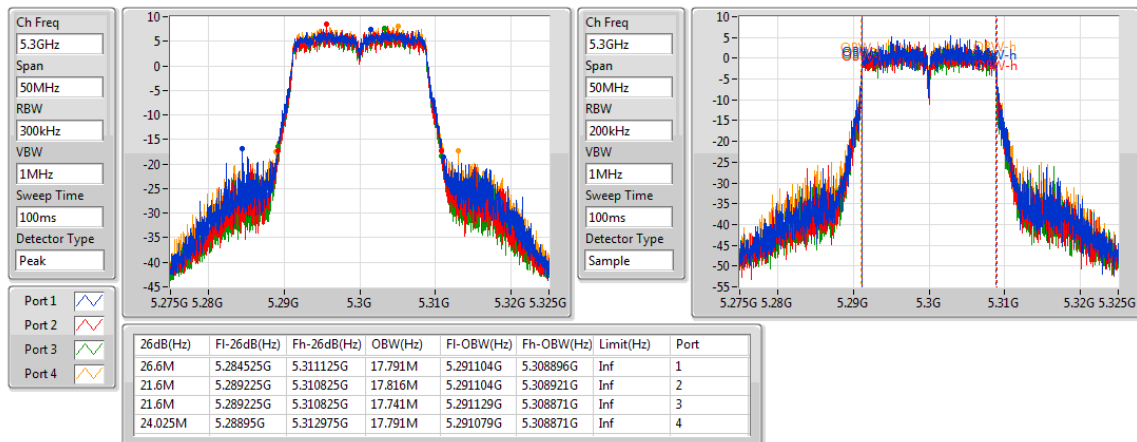
802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5550MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5670MHz

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


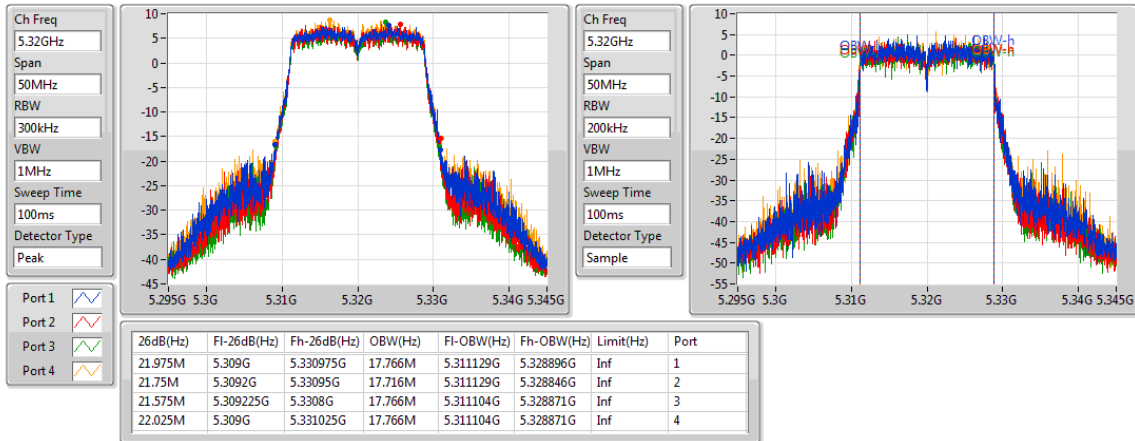
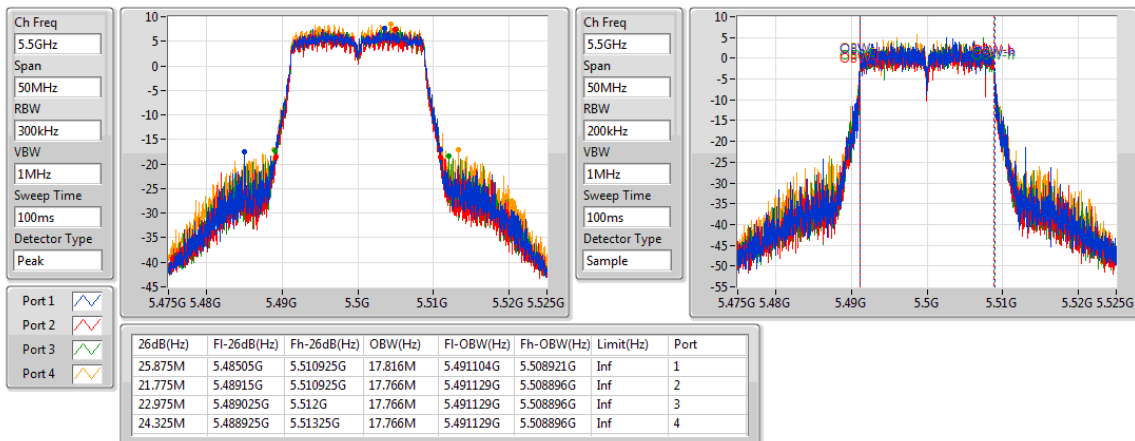
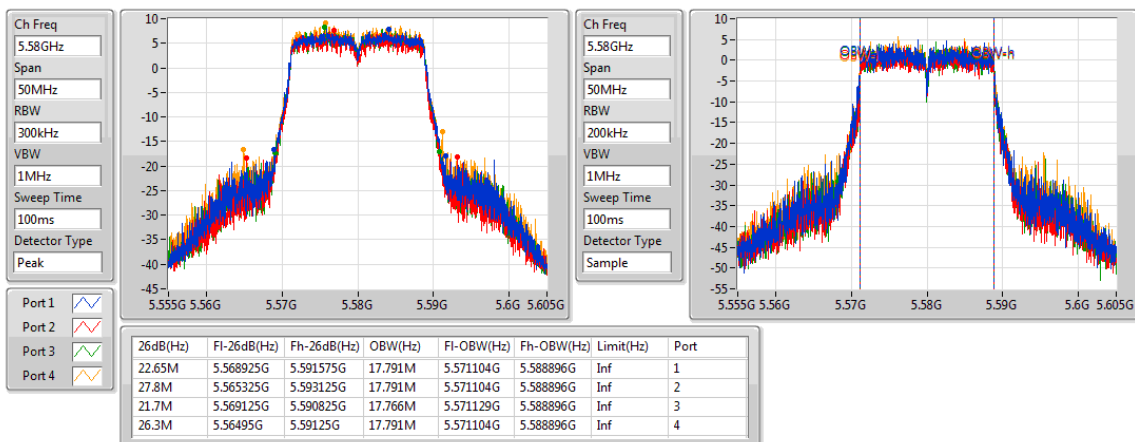
802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5755MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5795MHz


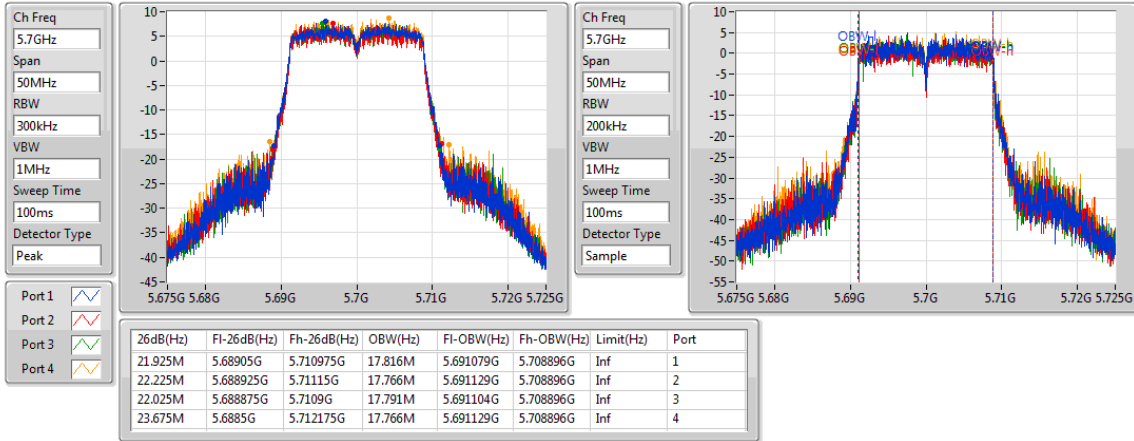
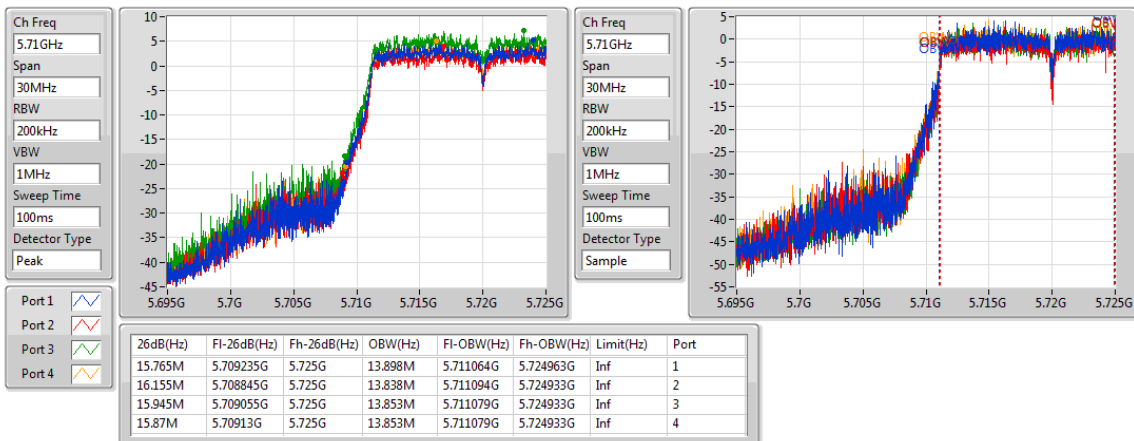
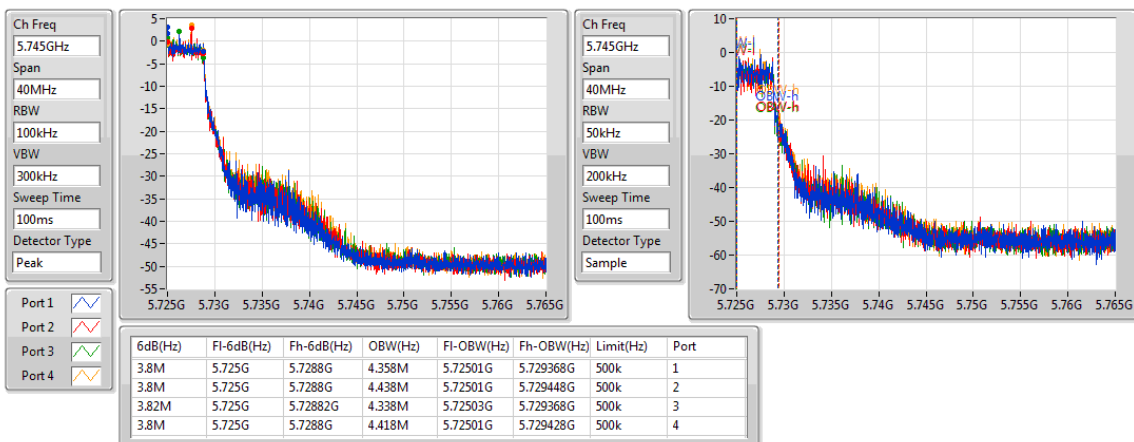
802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5210MHz

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5290MHz

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5530MHz


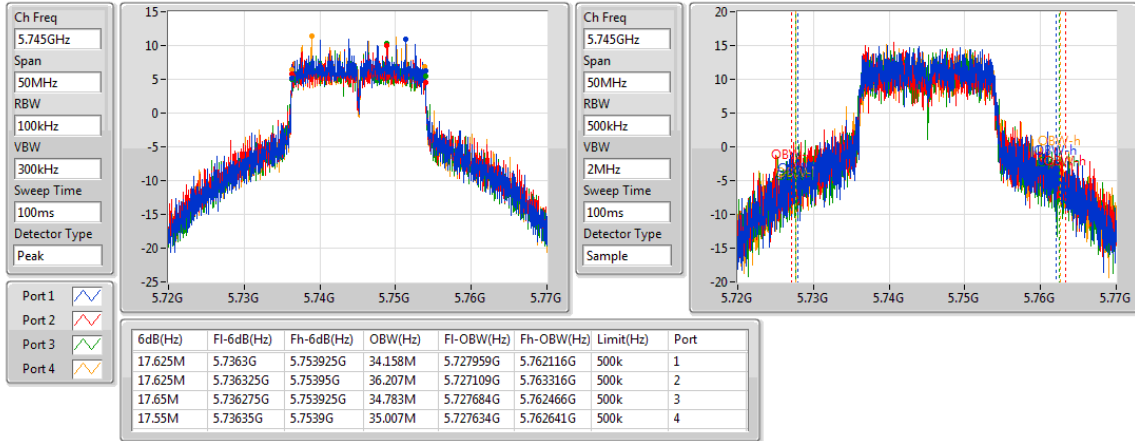
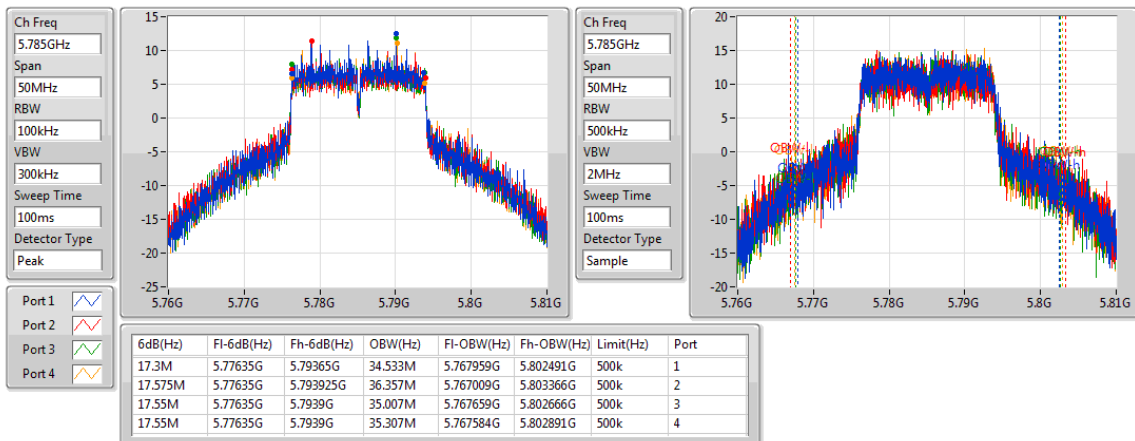
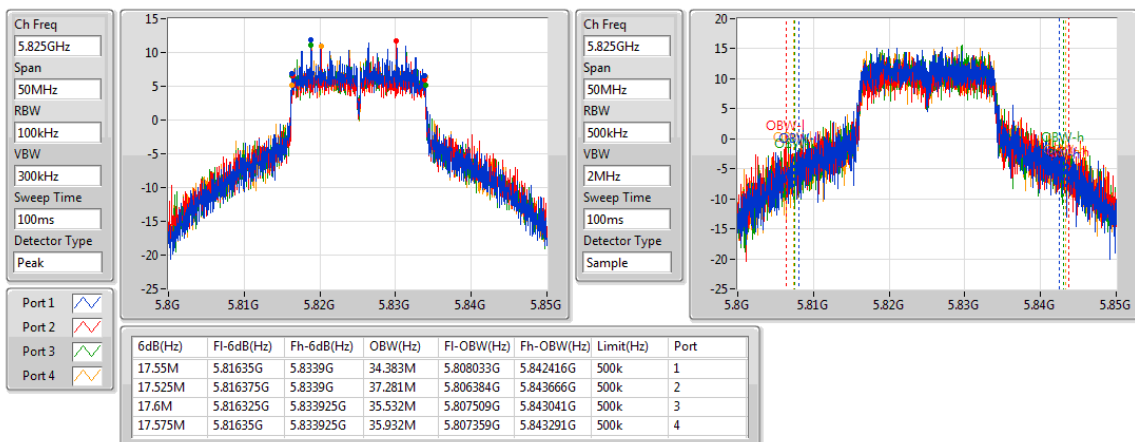
802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5610MHz

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz


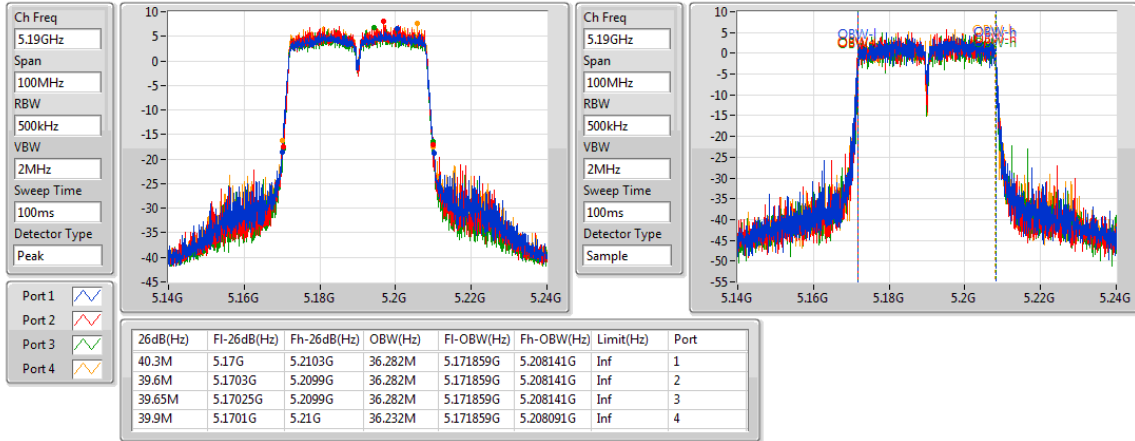
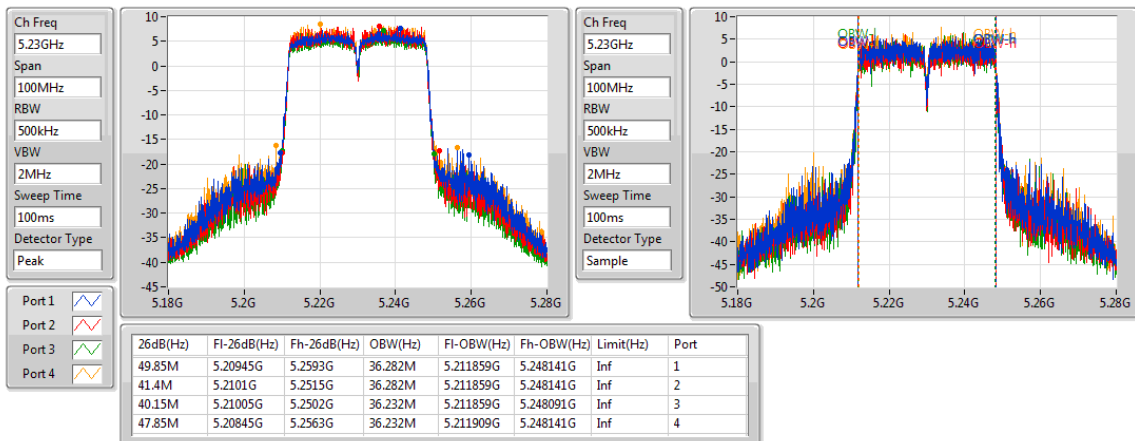
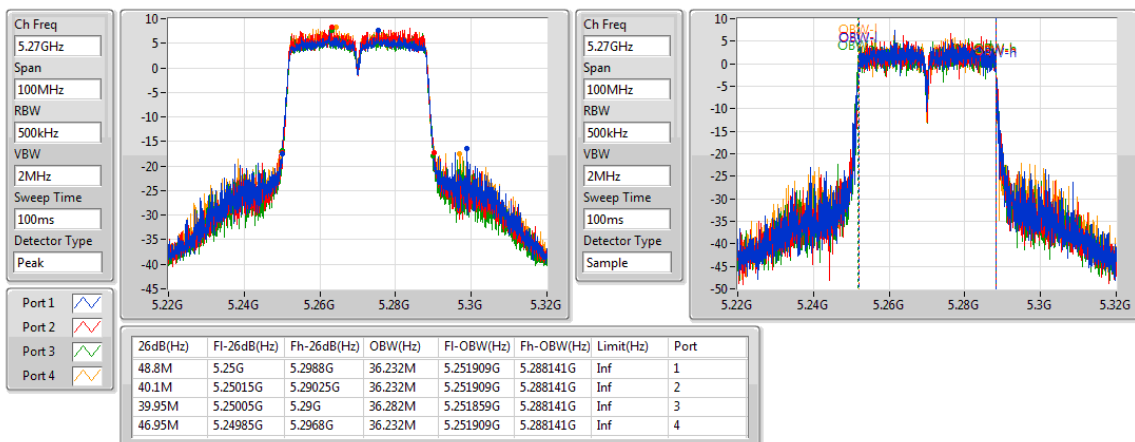
802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5775MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5180MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5200MHz


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5240MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5260MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5300MHz


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5320MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5500MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5580MHz


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5700MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz


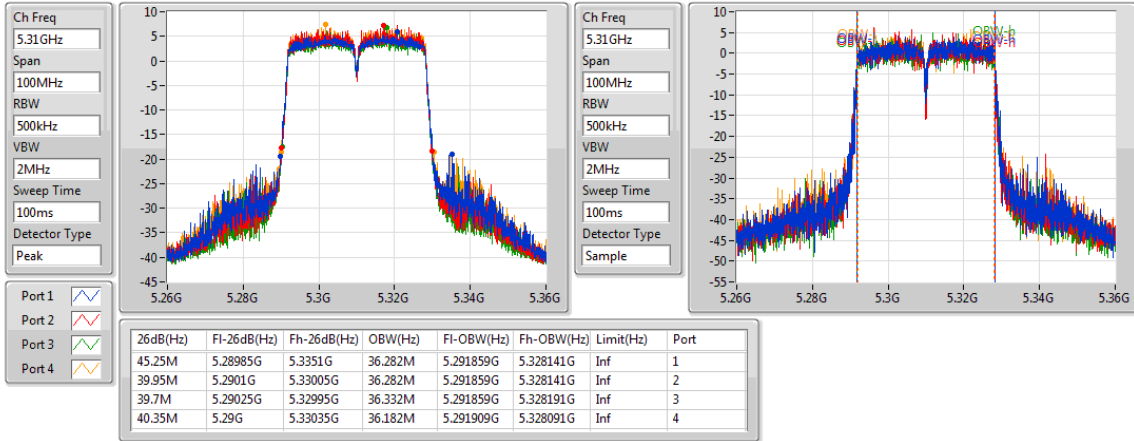
802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5745MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5785MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5825MHz


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5190MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5230MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5270MHz


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

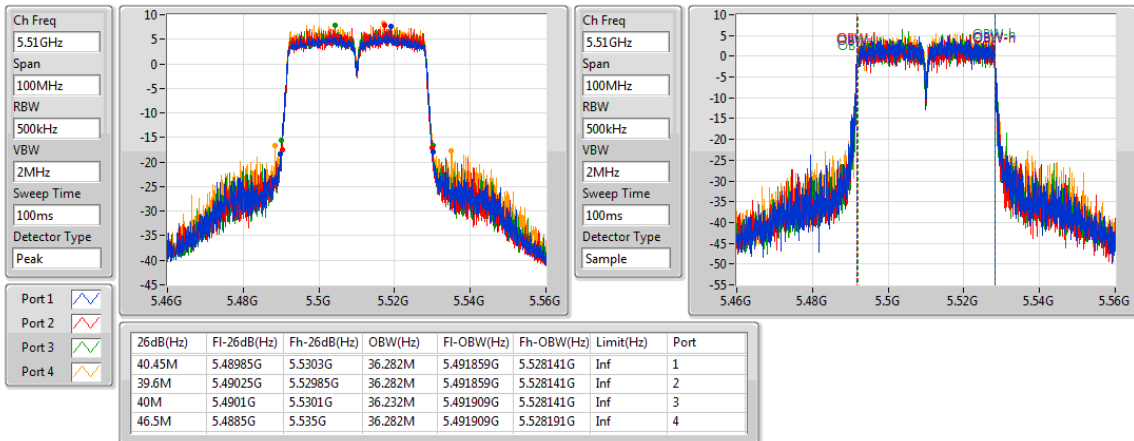
5310MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

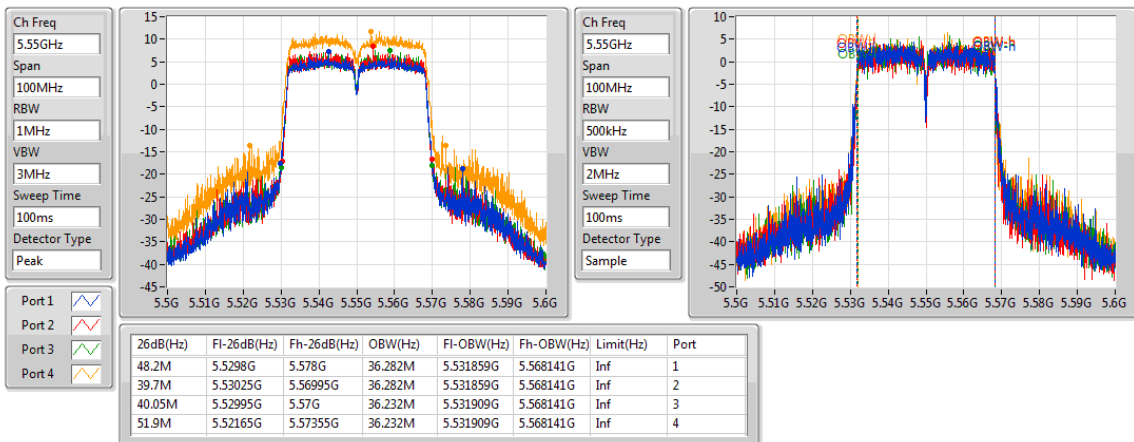
5510MHz

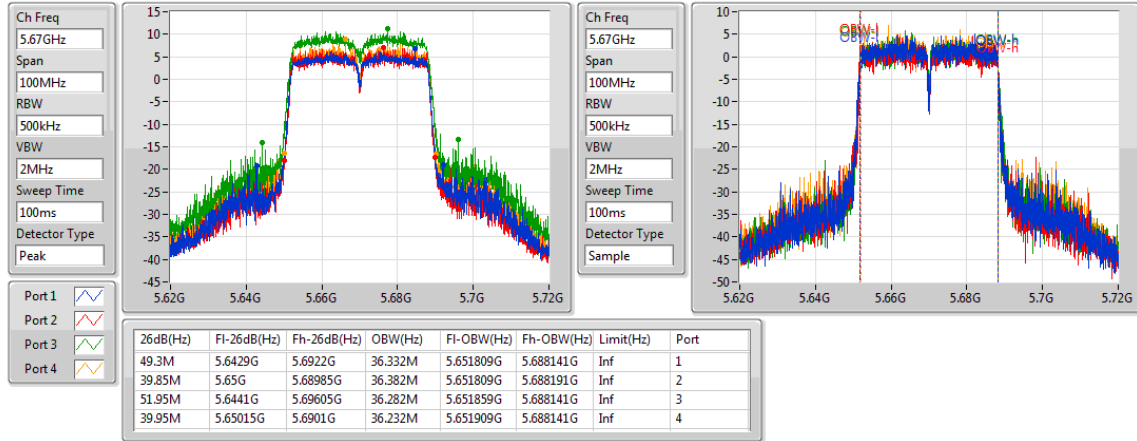
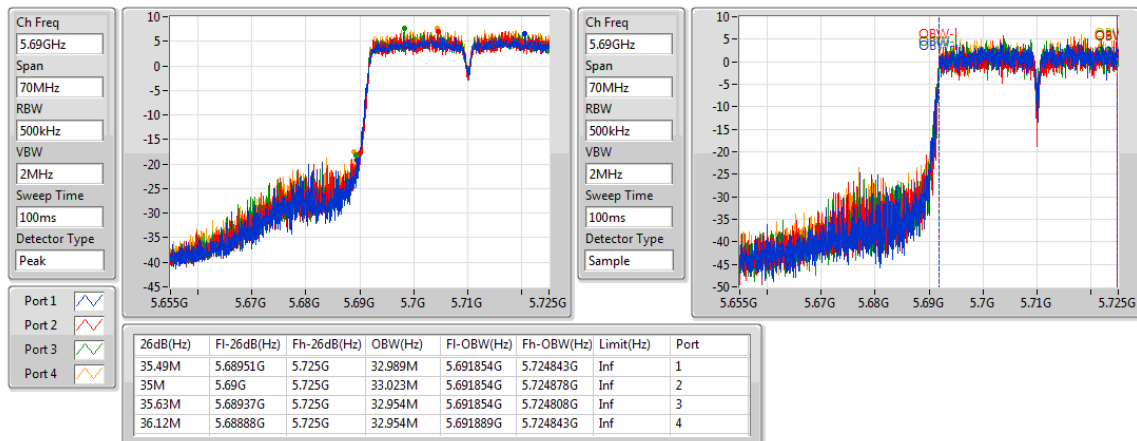
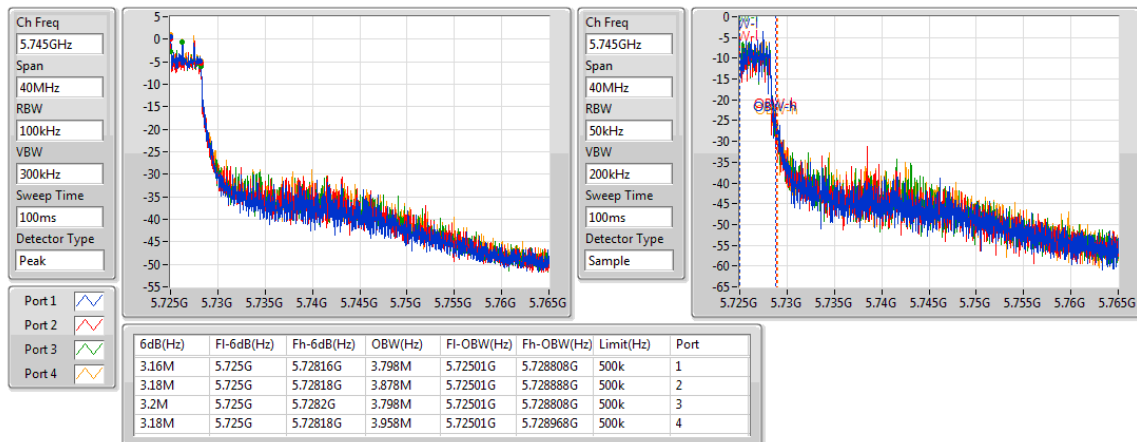


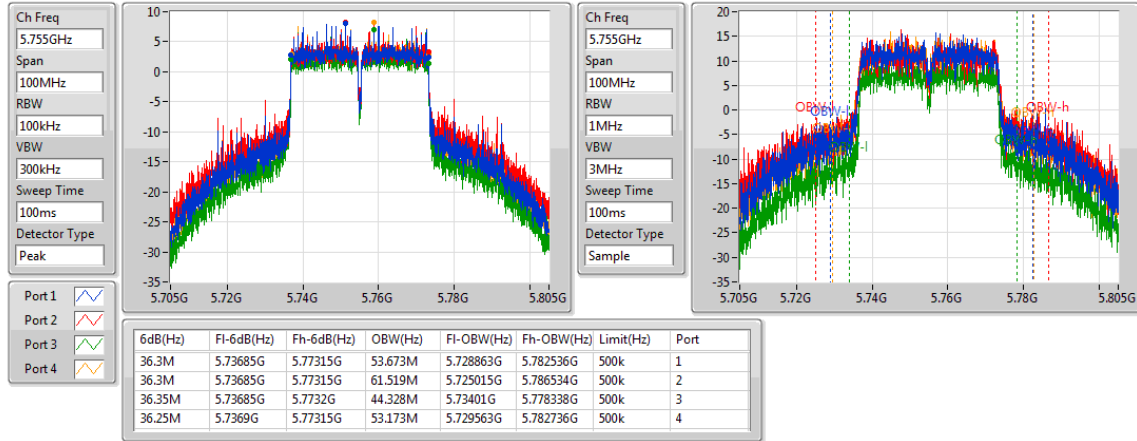
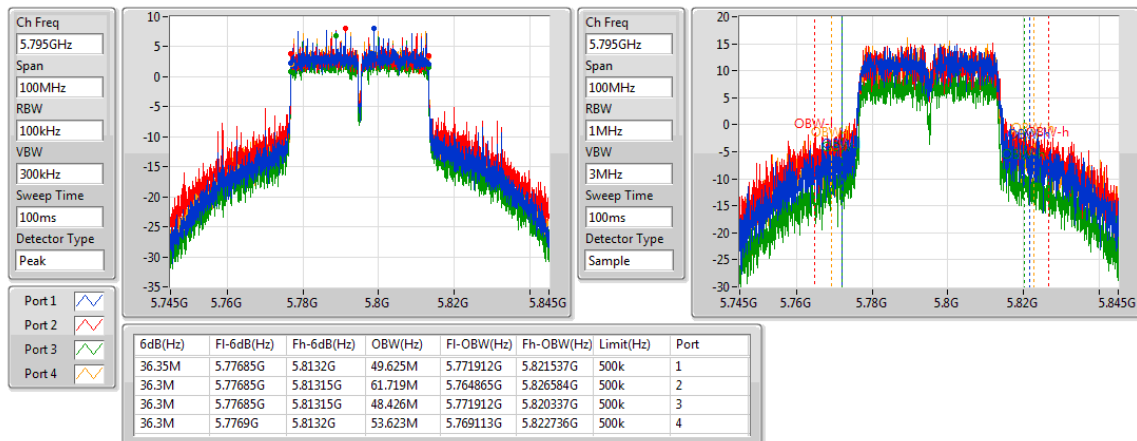
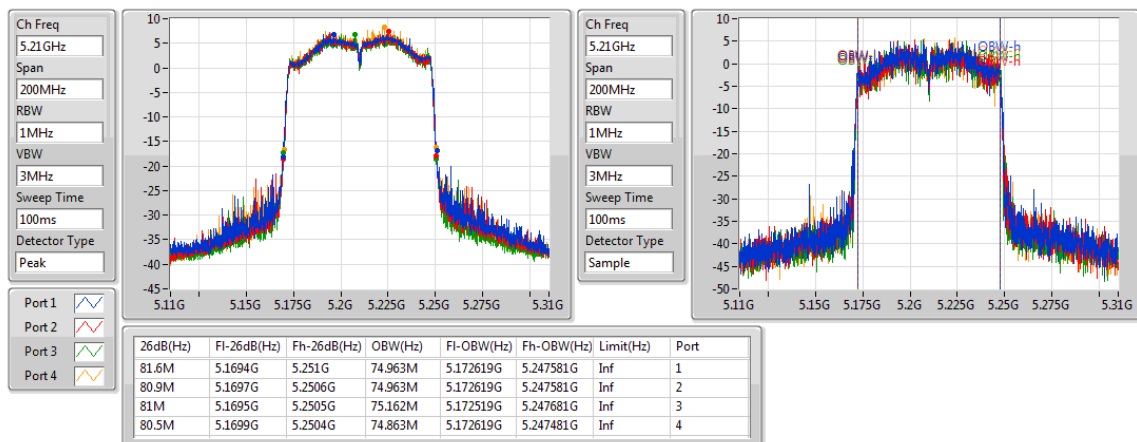
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

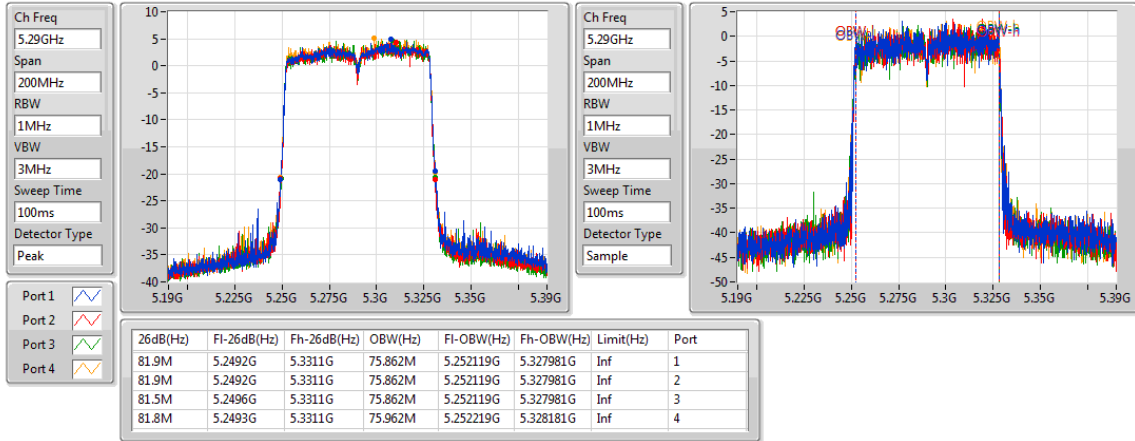
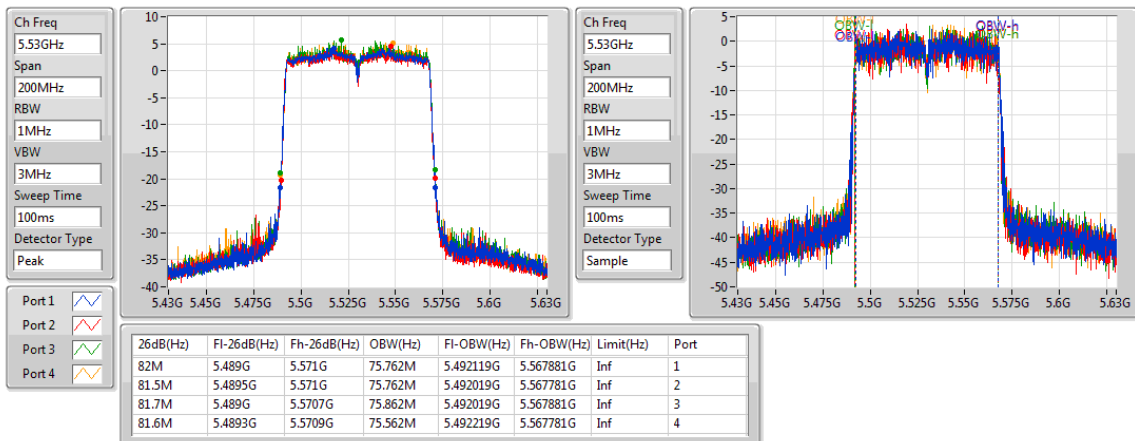
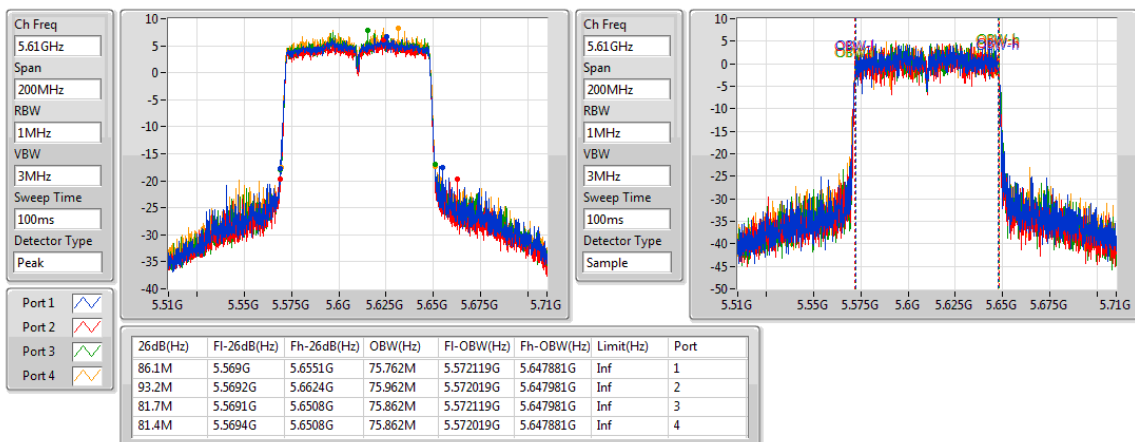
EBW

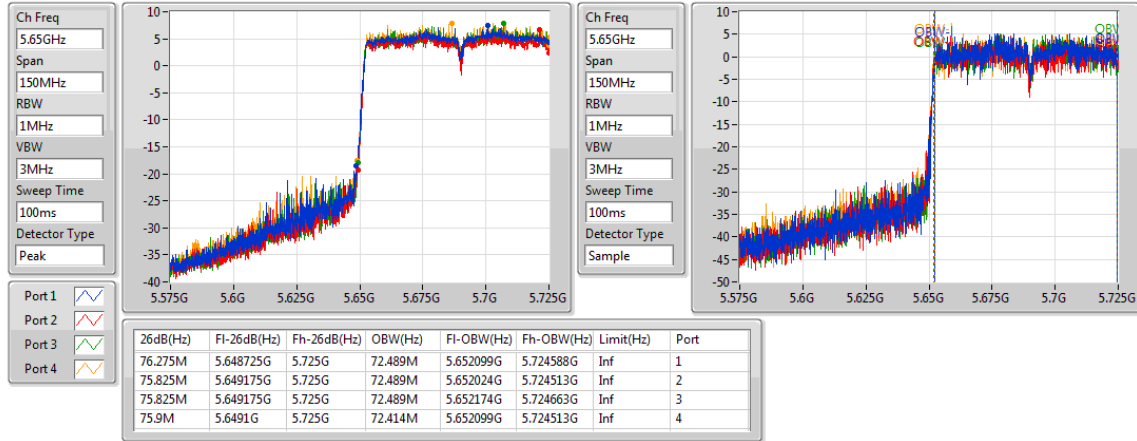
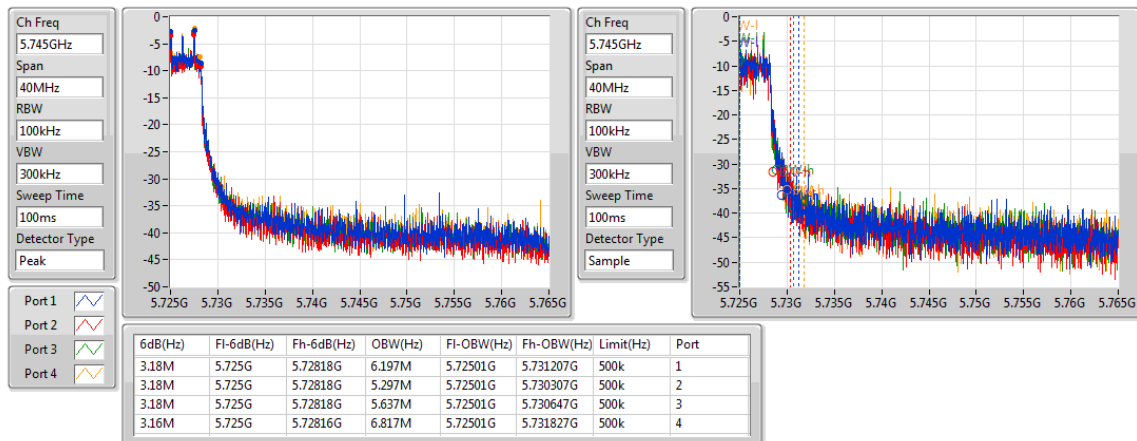
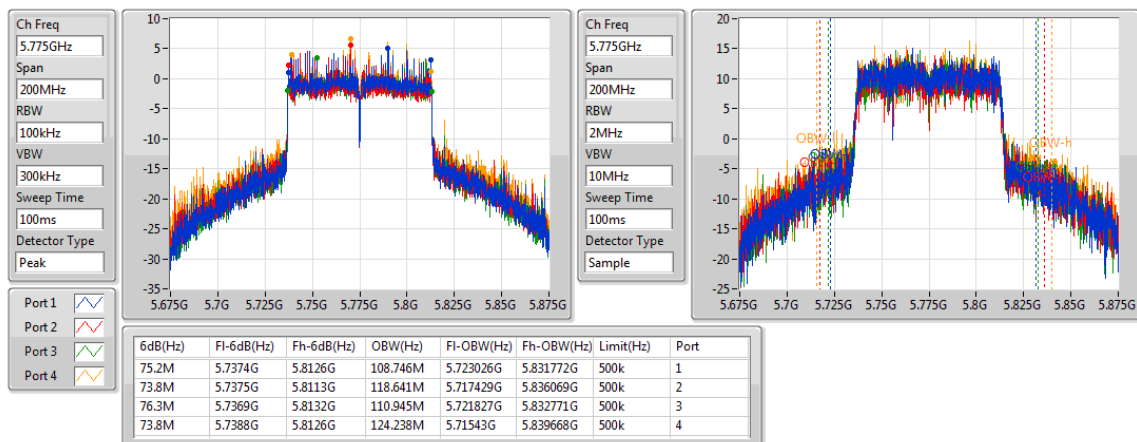
5550MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5670MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5755MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5795MHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5210MHz


802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5290MHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5530MHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5610MHz


802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5775MHz


**For Mode 1 (Antenna Set 1):
Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_4TX	-	-	-	-
5.15-5.25GHz	18.18	0.06577	23.08	0.20324
5.25-5.35GHz	18.78	0.07551	23.68	0.23335
5.47-5.725GHz	18.84	0.07656	23.74	0.23659
5.725-5.85GHz	27.60	0.57544	32.50	1.77828
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	18.43	0.06966	23.33	0.21528
5.25-5.35GHz	19.16	0.08241	24.06	0.25468
5.47-5.725GHz	19.17	0.08260	24.07	0.25527
5.725-5.85GHz	27.75	0.59566	32.65	1.84077
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	21.43	0.13900	26.33	0.42954
5.25-5.35GHz	21.89	0.15453	26.79	0.47753
5.47-5.725GHz	21.92	0.15560	26.82	0.48084
5.725-5.85GHz	27.12	0.51523	32.02	1.59221
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	17.15	0.05188	22.05	0.16032
5.25-5.35GHz	15.90	0.03890	20.80	0.12023
5.47-5.725GHz	23.97	0.24946	28.87	0.77090
5.725-5.85GHz	22.74	0.18793	27.64	0.58076
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	18.43	0.06966	29.35	0.86099
5.25-5.35GHz	18.93	0.07816	29.85	0.96605
5.47-5.725GHz	18.95	0.07852	29.87	0.97051
5.725-5.85GHz	25.06	0.32063	35.98	3.96278
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	18.91	0.07780	29.83	0.96161
5.25-5.35GHz	19.02	0.07980	29.94	0.98628
5.47-5.725GHz	18.92	0.07798	29.84	0.96383
5.725-5.85GHz	25.06	0.32063	35.98	3.96278
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	18.48	0.07047	29.40	0.87096
5.25-5.35GHz	17.02	0.05035	27.94	0.62230
5.47-5.725GHz	18.84	0.07656	29.76	0.94624
5.725-5.85GHz	24.90	0.30903	35.82	3.81944

**Result**

Mode	Result	DG	Port 1	Port 2	Port 3	Port 4	Total Power	Power Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.90	12.33	12.26	11.62	11.62	17.99	23.98
5200MHz	Pass	4.90	13.17	12.24	11.04	11.92	18.18	23.98
5240MHz	Pass	4.90	12.49	12.46	11.64	11.62	18.09	23.98
5260MHz	Pass	4.90	12.81	12.09	11.95	13.09	18.53	23.98
5300MHz	Pass	4.90	12.78	12.3	11.96	13.26	18.62	23.98
5320MHz	Pass	4.90	12.82	12.31	12.36	13.46	18.78	23.98
5500MHz	Pass	4.90	12.52	12.2	12.84	13.4	18.78	23.98
5580MHz	Pass	4.90	12.68	12.24	12.64	13.61	18.84	23.98
5700MHz	Pass	4.90	12.54	12.02	12.53	13.55	18.72	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.90	11.74	11.08	11.97	12.67	17.92	22.93
5720MHz Straddle 5.725-5.85GHz	Pass	4.90	5.83	4.88	5.6	6.44	11.74	30.00
5745MHz	Pass	4.90	21.42	21.35	21.49	22.04	27.60	30.00
5785MHz	Pass	4.90	20.88	20.96	21.11	21.68	27.19	30.00
5825MHz	Pass	4.90	20.79	20.9	20.97	21.6	27.10	30.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.90	12.64	12.66	12.05	12.09	18.39	23.98
5200MHz	Pass	4.90	12.62	12.63	12.16	12.14	18.41	23.98
5240MHz	Pass	4.90	12.74	12.7	12.07	12.07	18.43	23.98
5260MHz	Pass	4.90	13.02	12.41	12.3	13.5	18.86	23.98
5300MHz	Pass	4.90	13.06	12.2	12.31	13.52	18.83	23.98
5320MHz	Pass	4.90	13.23	12.6	12.73	13.89	19.16	23.98
5500MHz	Pass	4.90	13.05	12.61	13.1	13.77	19.17	23.98
5580MHz	Pass	4.90	12.73	12.16	12.8	13.67	18.89	23.98
5700MHz	Pass	4.90	12.73	11.93	12.55	13.54	18.75	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.90	11.83	11.37	12.09	12.77	18.07	22.98
5720MHz Straddle 5.725-5.85GHz	Pass	4.90	6.33	5.45	6.35	7.05	12.35	30.00
5745MHz	Pass	4.90	21.62	21.49	21.59	22.18	27.75	30.00
5785MHz	Pass	4.90	21.06	21.05	21.16	21.74	27.28	30.00
5825MHz	Pass	4.90	20.91	20.96	21	21.68	27.17	30.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.90	15.86	15.82	14.9	14.81	21.40	23.98
5230MHz	Pass	4.90	15.7	15.78	15.05	15.04	21.43	23.98
5270MHz	Pass	4.90	16.02	15.36	15.47	16.13	21.78	23.98
5310MHz	Pass	4.90	16.07	15.34	15.63	16.35	21.89	23.98
5510MHz	Pass	4.90	15.67	15.27	16.05	16.52	21.92	23.98
5550MHz	Pass	4.90	15.64	15.24	15.81	16.57	21.86	23.98
5670MHz	Pass	4.90	15.62	15.13	15.74	16.02	21.66	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.90	15.53	14.84	15.62	16.46	21.67	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.90	5.06	4.13	5.16	5.78	11.09	30.00
5755MHz	Pass	4.90	21.03	21.06	20.87	21.41	27.12	30.00
5795MHz	Pass	4.90	19.88	20.23	19.67	20.59	26.13	30.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.90	11.44	10.5	10.82	11.67	17.15	23.98



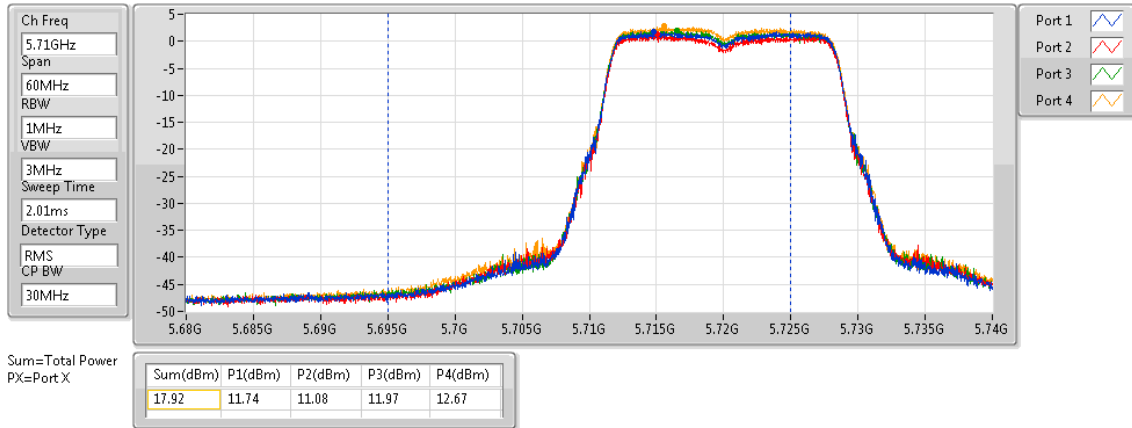
Mode	Result	DG	Port 1	Port 2	Port 3	Port 4	Total Power	Power Limit
5290MHz	Pass	4.90	10	9.45	9.71	10.31	15.90	23.98
5530MHz	Pass	4.90	10.82	10.15	10.95	11.54	16.91	23.98
5610MHz	Pass	4.90	16.88	16.15	16.97	17.68	22.97	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.90	17.9	17.15	17.91	18.69	23.97	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.90	3.62	2.88	3.86	4.59	9.80	30.00
5775MHz	Pass	4.90	16.45	16.28	16.6	17.44	22.74	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.92	12.64	12.66	12.05	12.09	18.39	19.06
5200MHz	Pass	10.92	12.62	12.63	12.16	12.14	18.41	19.06
5240MHz	Pass	10.92	12.74	12.7	12.07	12.07	18.43	19.06
5260MHz	Pass	10.92	13.02	12.41	12.3	13.5	18.86	19.06
5300MHz	Pass	10.92	13.06	12.2	12.31	13.52	18.83	19.06
5320MHz	Pass	10.92	13.02	12.37	12.48	13.65	18.93	19.06
5500MHz	Pass	10.92	12.83	12.39	12.87	13.54	18.95	19.06
5580MHz	Pass	10.92	12.73	12.16	12.8	13.67	18.89	19.06
5700MHz	Pass	10.92	12.73	11.93	12.55	13.54	18.75	19.06
5720MHz Straddle 5.47-5.725GHz	Pass	10.92	12.03	11.45	11.77	12.12	17.87	18.04
5720MHz Straddle 5.725-5.85GHz	Pass	10.92	6.27	5.76	6.12	6.43	12.17	25.08
5745MHz	Pass	10.92	19.28	18.81	18.31	19.07	24.90	25.08
5785MHz	Pass	10.92	19.25	18.86	18.22	18.89	24.84	25.08
5825MHz	Pass	10.92	19.48	18.97	18.69	18.98	25.06	25.08
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.92	13.23	12.75	12.42	13.01	18.88	19.06
5230MHz	Pass	10.92	13.25	12.81	12.38	13.06	18.91	19.06
5270MHz	Pass	10.92	13.17	12.95	12.66	13.04	18.98	19.06
5310MHz	Pass	10.92	13.32	12.96	12.61	13.09	19.02	19.06
5510MHz	Pass	10.92	12.88	12.49	12.87	13.05	18.85	19.06
5550MHz	Pass	10.92	12.85	12.57	12.68	13.24	18.86	19.06
5670MHz	Pass	10.92	12.97	12.52	12.64	13.29	18.89	19.06
5710MHz Straddle 5.47-5.725GHz	Pass	10.92	13.01	12.45	12.81	13.30	18.92	19.06
5710MHz Straddle 5.725-5.85GHz	Pass	10.92	2.51	2.18	2.60	3.14	8.64	25.08
5755MHz	Pass	10.92	19.09	19.12	18.36	19.18	24.97	25.08
5795MHz	Pass	10.92	19.25	19.08	18.45	19.34	25.06	25.08
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.92	12.96	12.29	12.03	12.52	18.48	19.06
5290MHz	Pass	10.92	11.22	10.83	10.61	11.29	17.02	19.06
5530MHz	Pass	10.92	10.16	10.09	10.12	10.27	16.18	19.06
5610MHz	Pass	10.92	13.12	12.25	12.79	13.06	18.84	19.06
5690MHz Straddle 5.47-5.725GHz	Pass	10.92	13.04	12.20	12.58	13.20	18.79	19.06
5690MHz Straddle 5.725-5.85GHz	Pass	10.92	-0.68	-1.48	-1.02	-0.42	5.14	25.08
5775MHz	Pass	10.92	19.09	18.72	18.63	19.05	24.90	25.08

DG = Directional Gain; **Port X** = Port X output power

802.11a_(6Mbps)_4TX

AV Power

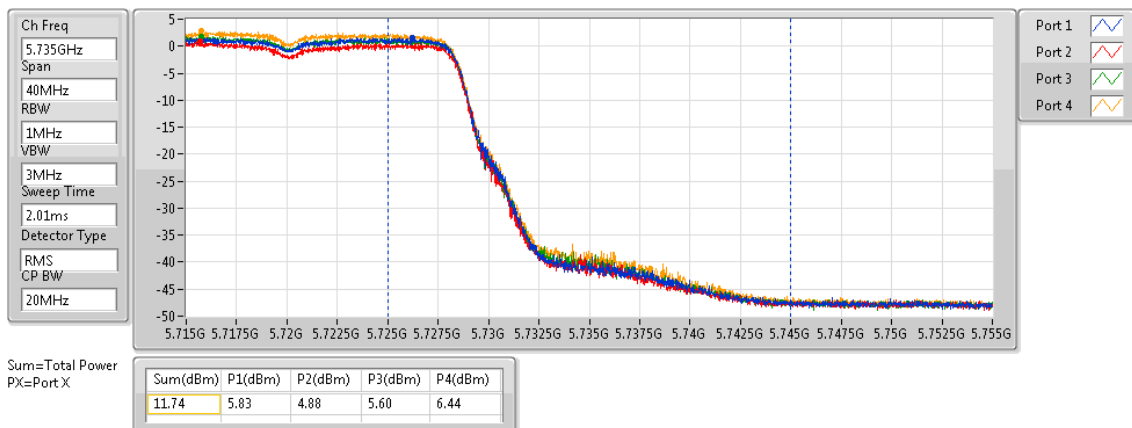
5720MHz Straddle 5.47-5.725GHz



802.11a_(6Mbps)_4TX

AV Power

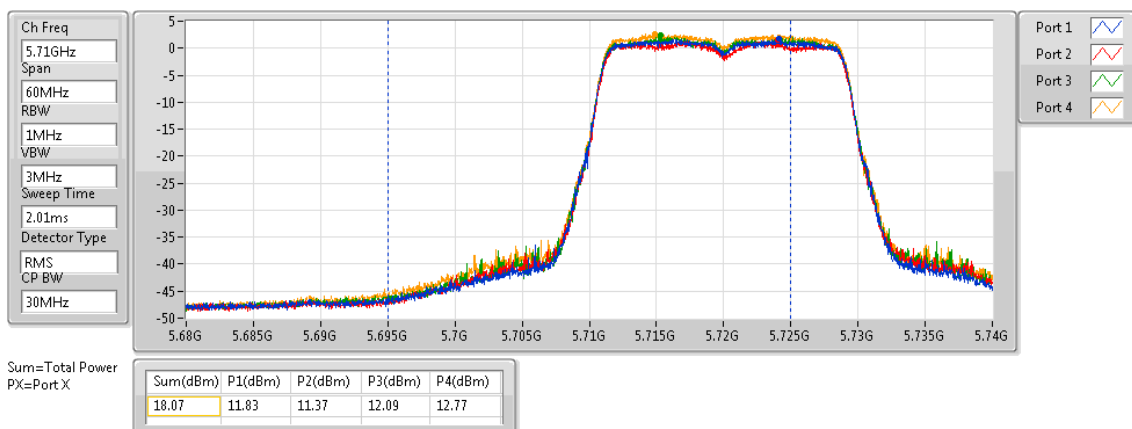
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

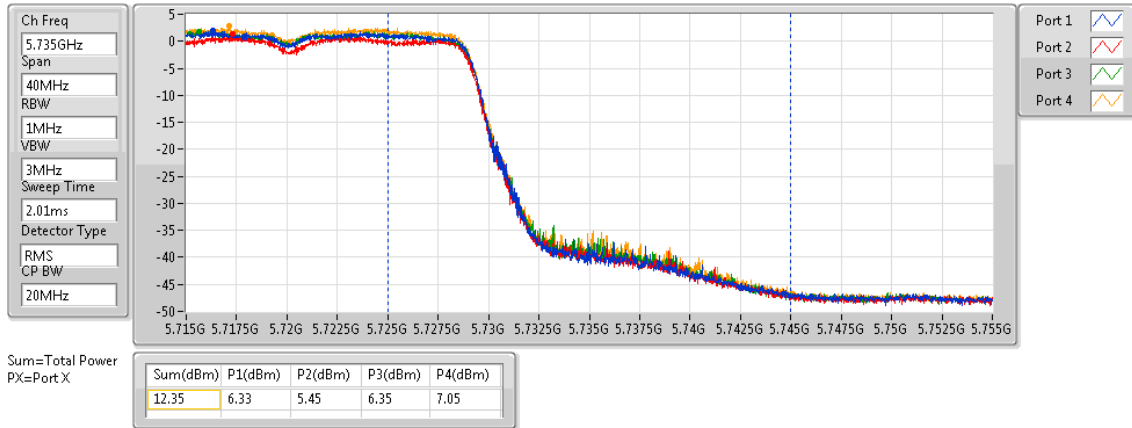
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

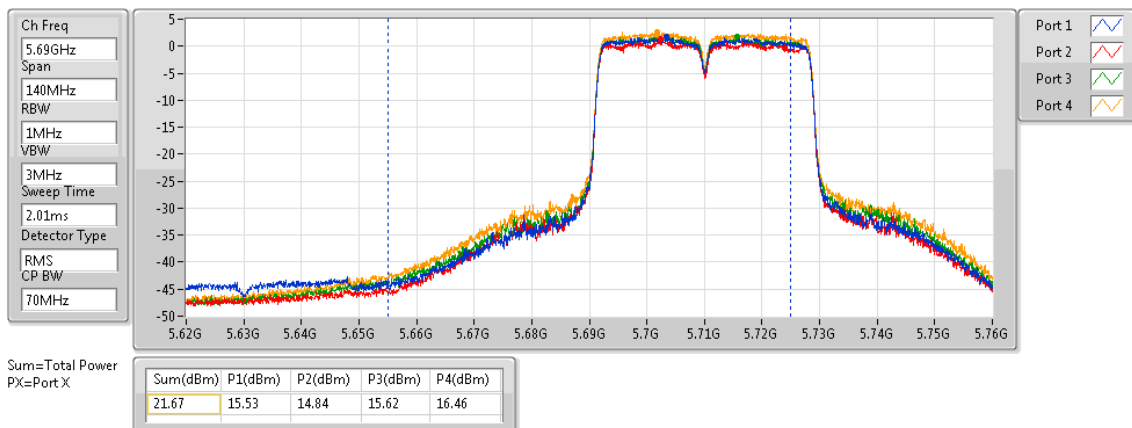
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802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

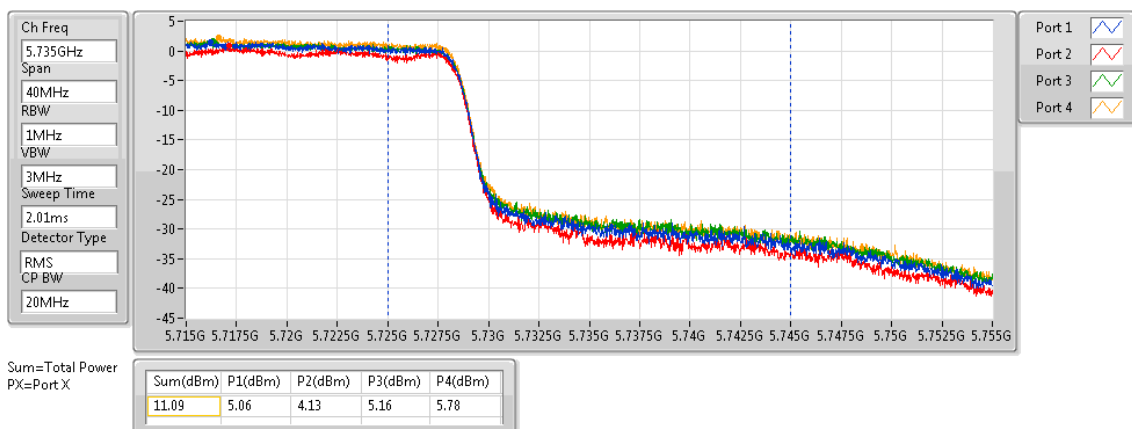
5710MHz Straddle 5.47-5.725GHz

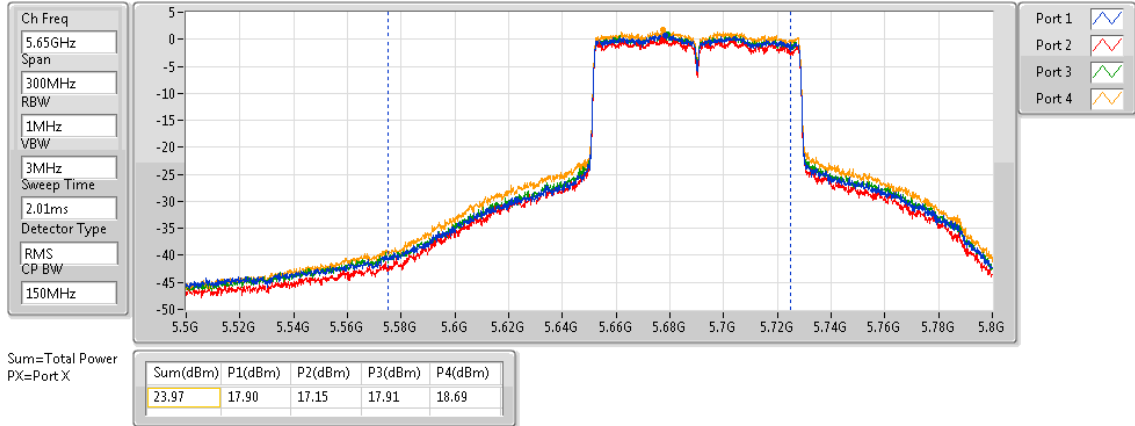
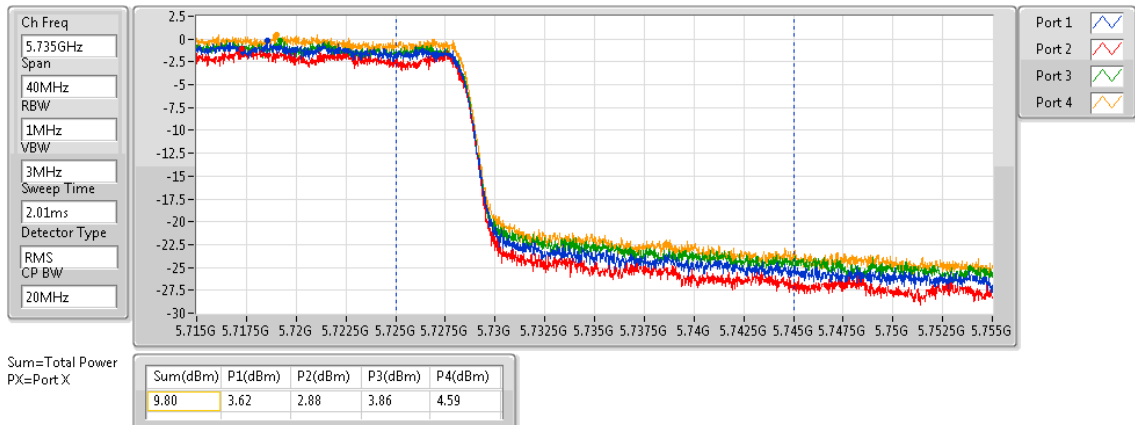
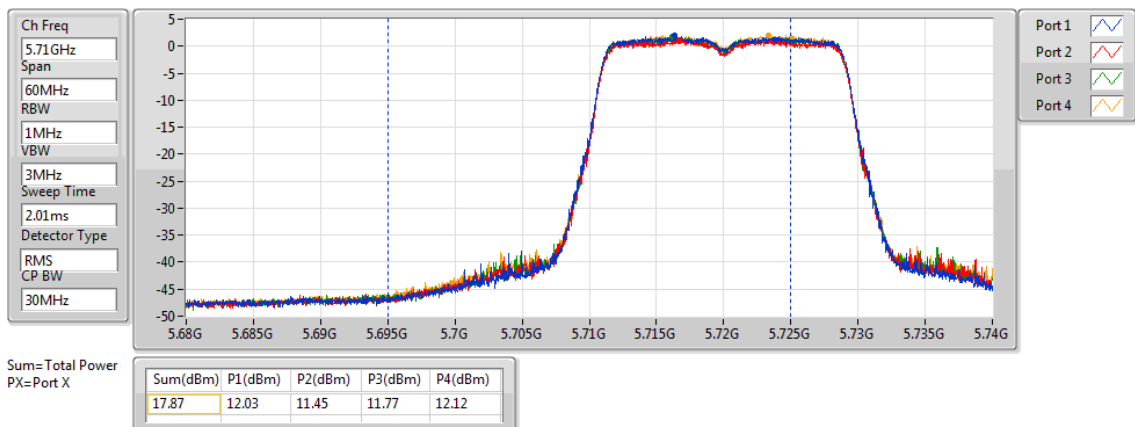


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

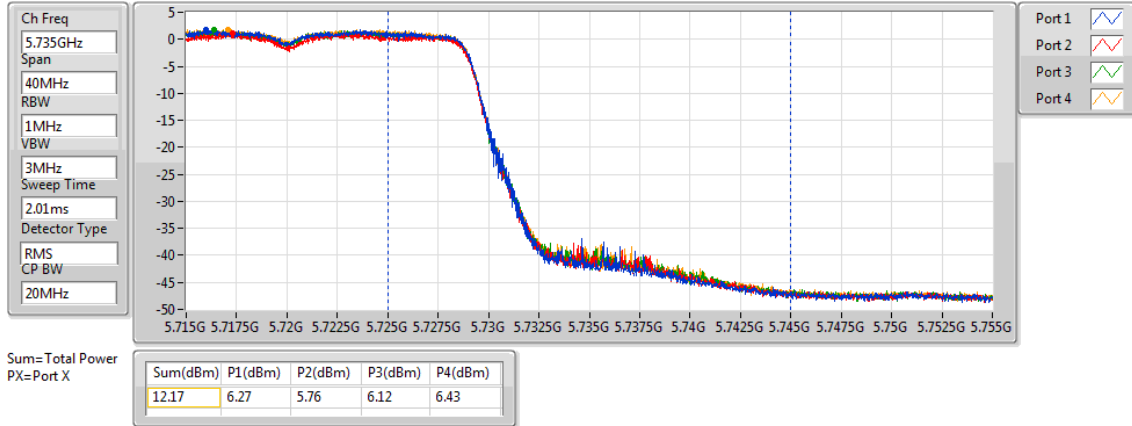


802.11ac VHT80_Nss1,(MCS0)_4TX
AV Power
5690MHz Straddle 5.47-5.725GHz

802.11ac VHT80_Nss1,(MCS0)_4TX
AV Power
5690MHz Straddle 5.725-5.85GHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
AV Power
5720MHz Straddle 5.47-5.725GHz


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

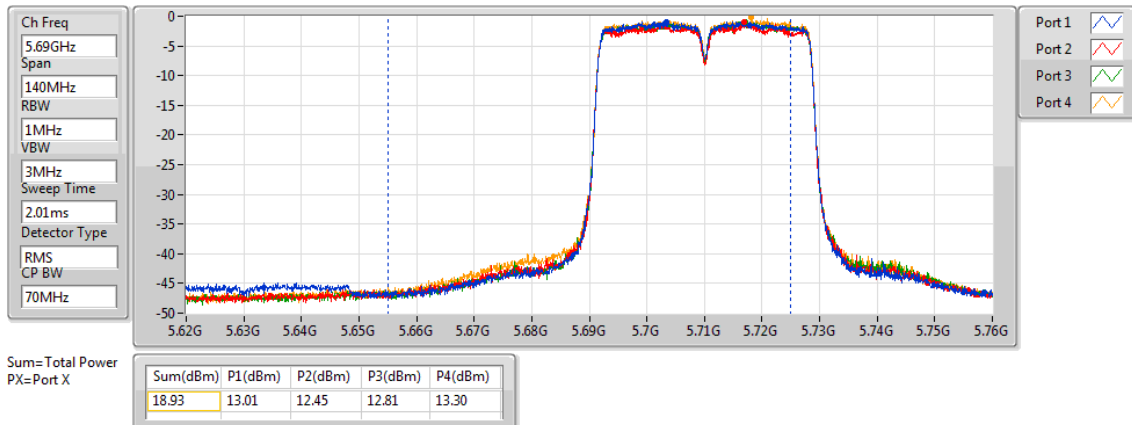
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

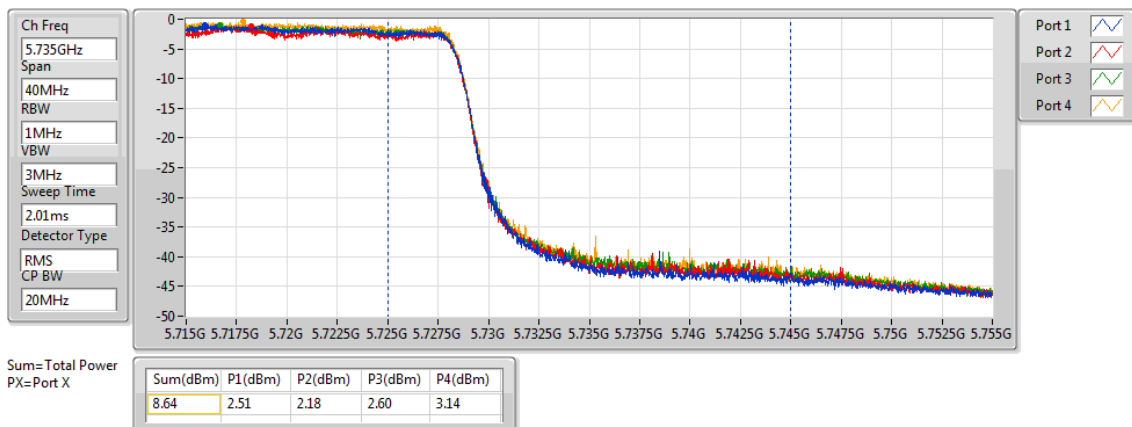
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

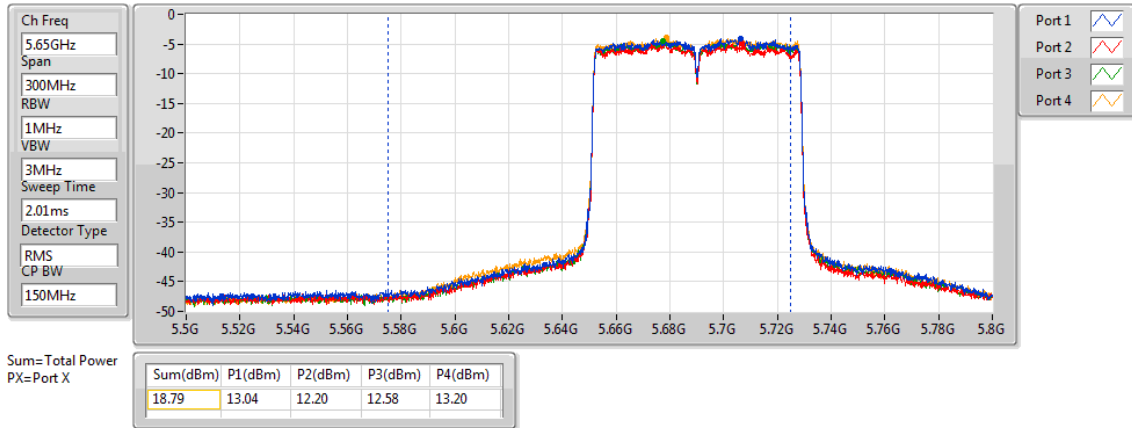
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

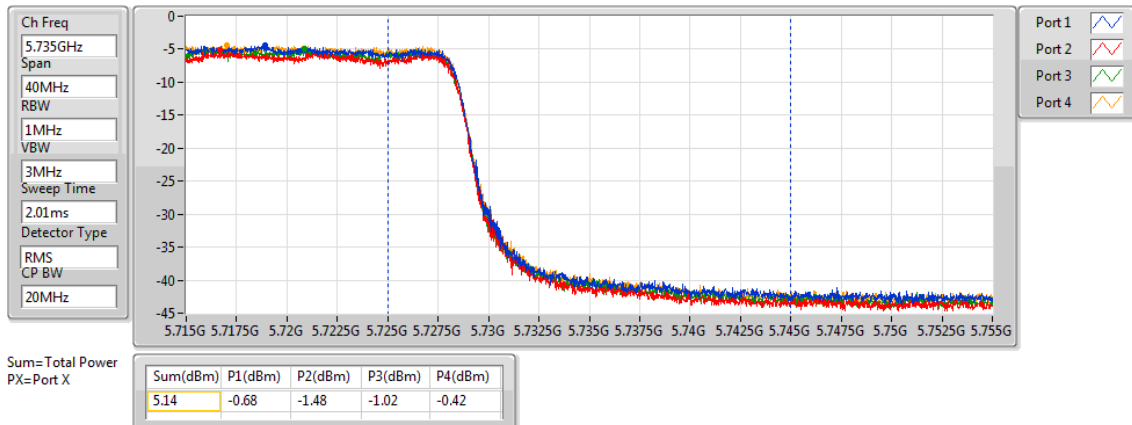
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz



**For Mode 2 (Antenna Set 2 with Gray Cable):****Summary**

Mode	Total Power (dBm)	Total Power (W)
802.11a_(6Mbps)_4TX	-	-
5.15-5.25GHz	21.74	0.14928
5.25-5.35GHz	21.68	0.14723
5.47-5.725GHz	21.73	0.14894
5.725-5.85GHz	27.60	0.57544
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	22.20	0.16596
5.25-5.35GHz	22.19	0.16558
5.47-5.725GHz	22.10	0.16218
5.725-5.85GHz	27.75	0.59566
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	23.90	0.24547
5.25-5.35GHz	23.97	0.24946
5.47-5.725GHz	23.81	0.24044
5.725-5.85GHz	29.25	0.84140
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	19.20	0.08318
5.25-5.35GHz	17.99	0.06295
5.47-5.725GHz	23.86	0.24322
5.725-5.85GHz	24.46	0.27925
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	21.65	0.14622
5.25-5.35GHz	21.63	0.14555
5.47-5.725GHz	21.64	0.14588
5.725-5.85GHz	27.52	0.56494
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	21.63	0.14555
5.25-5.35GHz	21.53	0.14223
5.47-5.725GHz	21.63	0.14555
5.725-5.85GHz	27.55	0.56885
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	20.05	0.10116
5.25-5.35GHz	17.99	0.06295
5.47-5.725GHz	21.55	0.14289
5.725-5.85GHz	27.46	0.55719

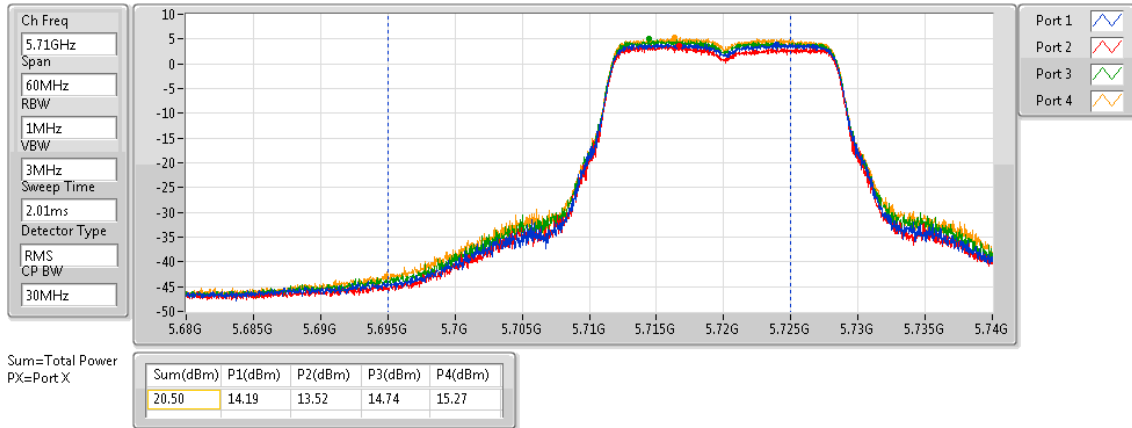
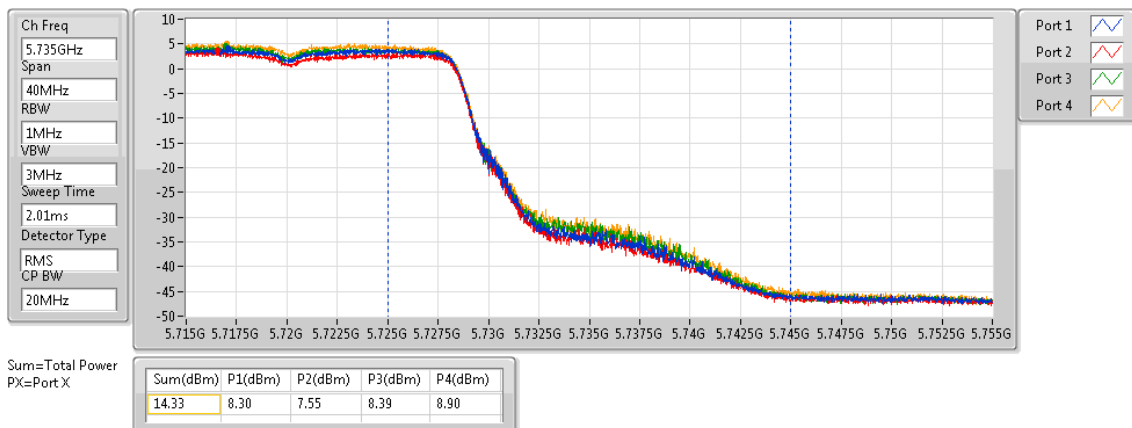
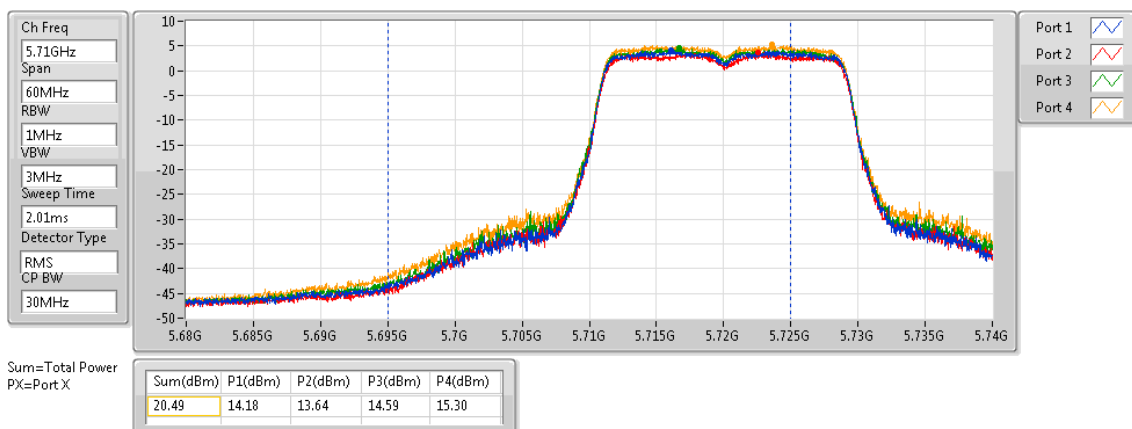
Result

Mode	Result	DG	Port 1	Port 2	Port 3	Port 4	Total Power	Power Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.30	15.83	15.34	15.41	16.23	21.74	23.98
5200MHz	Pass	2.30	15.9	15.22	15.43	16.17	21.72	23.98
5240MHz	Pass	2.30	15.65	15.13	15.08	15.98	21.50	23.98
5260MHz	Pass	2.30	15.53	15.09	15.06	16.21	21.52	23.98
5300MHz	Pass	2.30	15.49	15.05	15.02	16.09	21.46	23.98
5320MHz	Pass	2.30	15.79	15.18	15.14	16.4	21.68	23.98
5500MHz	Pass	2.30	15.63	14.92	15.73	16.44	21.73	23.98
5580MHz	Pass	2.30	15.58	14.92	15.62	16.37	21.67	23.98
5700MHz	Pass	2.30	15.38	14.58	15.78	16.17	21.54	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.30	14.19	13.52	14.74	15.27	20.50	22.93
5720MHz Straddle 5.725-5.85GHz	Pass	2.30	8.3	7.55	8.39	8.9	14.33	30.00
5745MHz	Pass	2.30	21.42	21.35	21.49	22.04	27.60	30.00
5785MHz	Pass	2.30	20.88	20.96	21.11	21.68	27.19	30.00
5825MHz	Pass	2.30	20.79	20.9	20.97	21.6	27.10	30.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.30	15.91	15.75	15.76	16.72	22.07	23.98
5200MHz	Pass	2.30	16.33	15.51	15.66	16.62	22.07	23.98
5240MHz	Pass	2.30	16.44	15.73	15.77	16.69	22.20	23.98
5260MHz	Pass	2.30	16.32	15.46	15.69	16.46	22.02	23.98
5300MHz	Pass	2.30	16.02	15.59	15.5	16.43	21.92	23.98
5320MHz	Pass	2.30	16.36	15.84	15.82	16.6	22.19	23.98
5500MHz	Pass	2.30	16.02	15.43	16.03	16.75	22.10	23.98
5580MHz	Pass	2.30	15.62	15.21	15.76	16.34	21.77	23.98
5700MHz	Pass	2.30	15.44	14.85	15.7	16.43	21.66	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.30	14.18	13.64	14.59	15.3	20.49	23.00
5720MHz Straddle 5.725-5.85GHz	Pass	2.30	8.6	8.18	9.07	9.6	14.92	30.00
5745MHz	Pass	2.30	21.62	21.49	21.59	22.18	27.75	30.00
5785MHz	Pass	2.30	21.06	21.05	21.16	21.74	27.28	30.00
5825MHz	Pass	2.30	20.91	20.96	21	21.68	27.17	30.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.30	15.08	14.53	14.6	15.43	20.95	23.98
5230MHz	Pass	2.30	18.06	17.61	17.38	18.4	23.90	23.98
5270MHz	Pass	2.30	18.28	17.65	17.65	18.16	23.97	23.98
5310MHz	Pass	2.30	15.66	15.11	14.95	15.92	21.45	23.98
5510MHz	Pass	2.30	14.75	14.21	14.79	15.33	20.81	23.98
5550MHz	Pass	2.30	17.74	17.23	17.79	18.32	23.81	23.98
5670MHz	Pass	2.30	17.58	17.11	17.69	18.42	23.75	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	2.30	17.6	16.81	17.9	18.42	23.74	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	2.30	7.13	6.5	7.6	8.13	13.40	30.00
5755MHz	Pass	2.30	23.3	22.78	23.26	23.55	29.25	30.00
5795MHz	Pass	2.30	22.83	22.55	23.16	23.38	29.01	30.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.30	13.37	12.89	12.45	13.89	19.20	23.98



Mode	Result	DG	Port 1	Port 2	Port 3	Port 4	Total Power	Power Limit
5290MHz	Pass	2.30	12.06	11.80	11.50	12.46	17.99	23.98
5530MHz	Pass	2.30	12.62	12.31	12.41	13.42	18.73	23.98
5610MHz	Pass	2.30	17.67	17.15	17.54	18.57	23.79	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	2.30	17.81	17.19	17.54	18.68	23.86	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	2.30	3.66	2.89	3.54	4.64	9.75	30.00
5775MHz	Pass	2.30	18.36	18.14	18.01	19.15	24.46	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.32	16.13	15.31	15.01	15.95	21.64	21.66
5200MHz	Pass	8.32	16.18	15.31	14.91	15.99	21.65	21.66
5240MHz	Pass	8.32	16.16	15.29	15.02	15.82	21.62	21.66
5260MHz	Pass	8.32	15.95	15.25	14.93	16.19	21.63	21.66
5300MHz	Pass	8.32	15.84	15.16	14.76	15.85	21.45	21.66
5320MHz	Pass	8.32	15.9	15.34	14.88	15.95	21.56	21.66
5500MHz	Pass	8.32	15.83	14.95	15.19	16.06	21.55	21.66
5580MHz	Pass	8.32	15.81	14.96	15.24	16.19	21.60	21.66
5700MHz	Pass	8.32	16	14.96	15.37	16.05	21.64	21.66
5720MHz Straddle 5.47-5.725GHz	Pass	8.32	14.82	14.02	14.45	14.90	20.58	20.66
5720MHz Straddle 5.725-5.85GHz	Pass	8.32	9.17	8.55	8.94	9.42	15.05	27.68
5745MHz	Pass	8.32	21.56	21.78	21.05	21.59	27.52	27.68
5785MHz	Pass	8.32	21.42	21.89	20.87	21.35	27.42	27.68
5825MHz	Pass	8.32	21.84	21.63	20.65	21.32	27.40	27.68
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.32	14.8	14.53	14.16	14.73	20.58	21.66
5230MHz	Pass	8.32	16.05	15.31	14.95	16.03	21.63	21.66
5270MHz	Pass	8.32	15.58	15.43	15.04	15.93	21.53	21.66
5310MHz	Pass	8.32	14.01	14.18	13.78	14.62	20.18	21.66
5510MHz	Pass	8.32	14.75	14.21	14.79	15.33	20.81	21.66
5550MHz	Pass	8.32	15.57	15.22	15.35	16.06	21.58	21.66
5670MHz	Pass	8.32	15.49	14.87	15.45	16.47	21.63	21.66
5710MHz Straddle 5.47-5.725GHz	Pass	8.32	15.58	14.98	15.26	15.74	21.42	21.66
5710MHz Straddle 5.725-5.85GHz	Pass	8.32	5.28	4.61	5.20	5.53	11.19	27.68
5755MHz	Pass	8.32	21.84	21.65	20.97	21.61	27.55	27.68
5795MHz	Pass	8.32	21.56	21.43	20.64	21.62	27.35	27.68
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.32	14.38	13.91	13.67	14.12	20.05	21.66
5290MHz	Pass	8.32	12.06	11.80	11.50	12.46	17.99	21.66
5530MHz	Pass	8.32	12.23	11.95	12.16	12.89	18.34	21.66
5610MHz	Pass	8.32	15.67	15.03	15.32	15.76	21.48	21.66
5690MHz Straddle 5.47-5.725GHz	Pass	8.32	15.80	14.98	15.46	15.84	21.55	21.66
5690MHz Straddle 5.725-5.85GHz	Pass	8.32	2.01	1.13	1.73	2.19	7.80	27.68
5775MHz	Pass	8.32	21.49	21.12	21.24	21.87	27.46	27.68

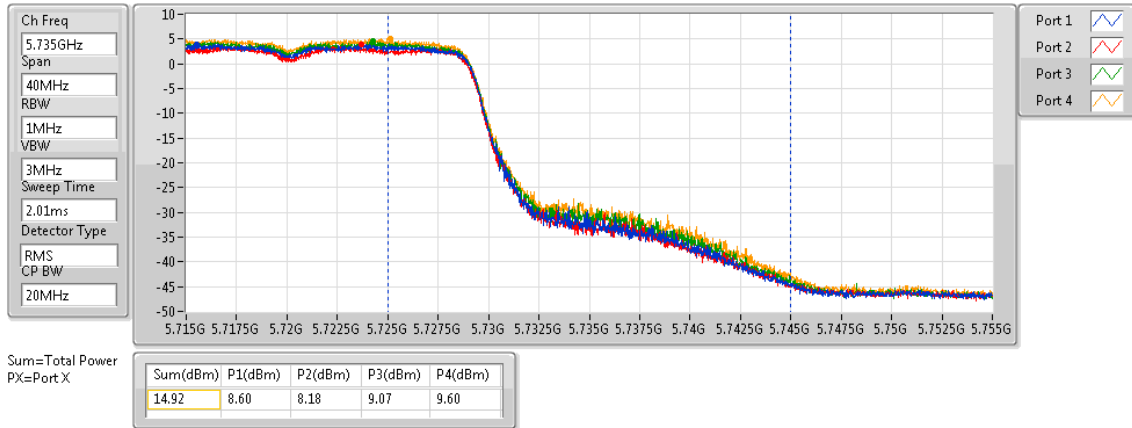
DG = Directional Gain; **Port X** = Port X output power

802.11a_(6Mbps)_4TX
AV Power
5720MHz Straddle 5.47-5.725GHz

802.11a_(6Mbps)_4TX
AV Power
5720MHz Straddle 5.725-5.85GHz

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


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

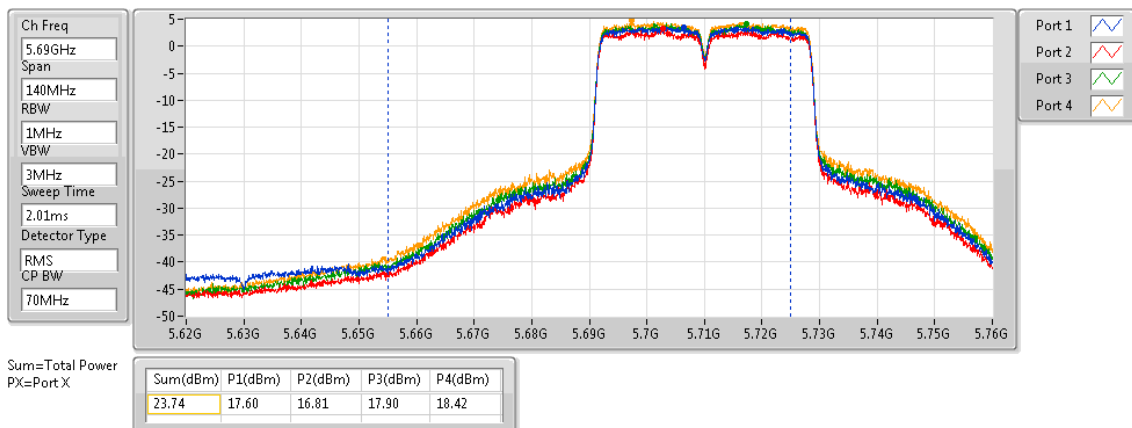
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

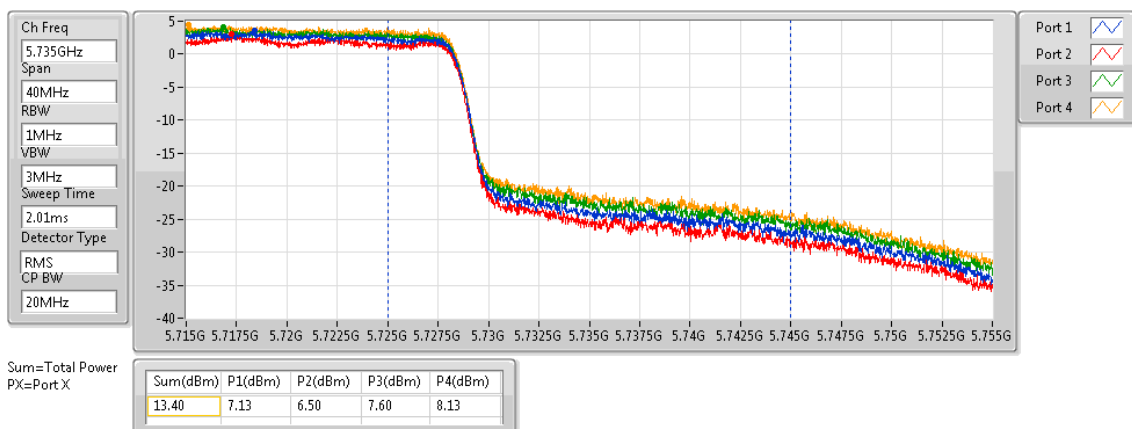
5710MHz Straddle 5.47-5.725GHz



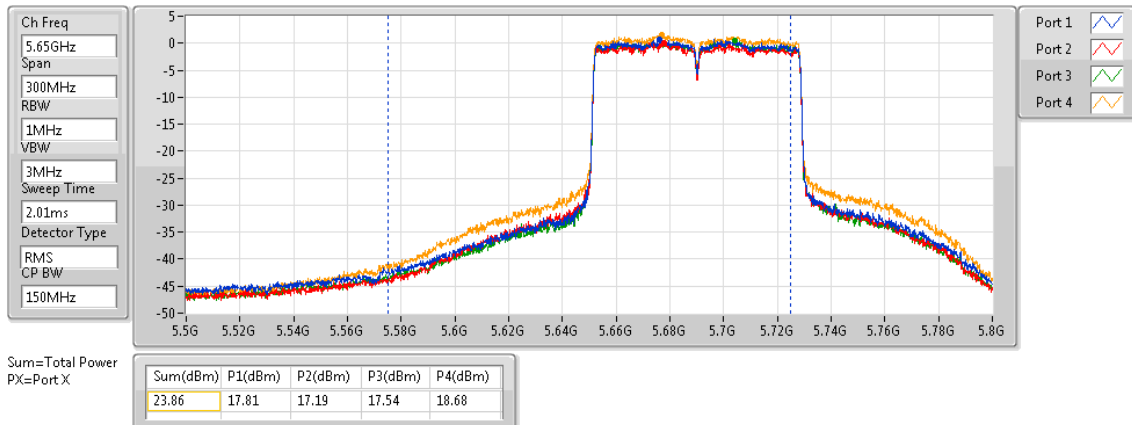
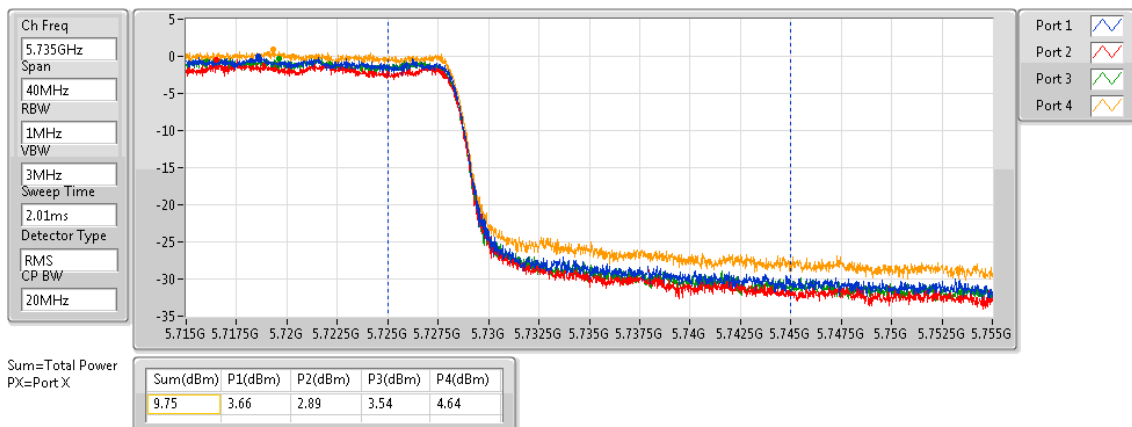
802.11ac VHT40_Nss1,(MCS0)_4TX

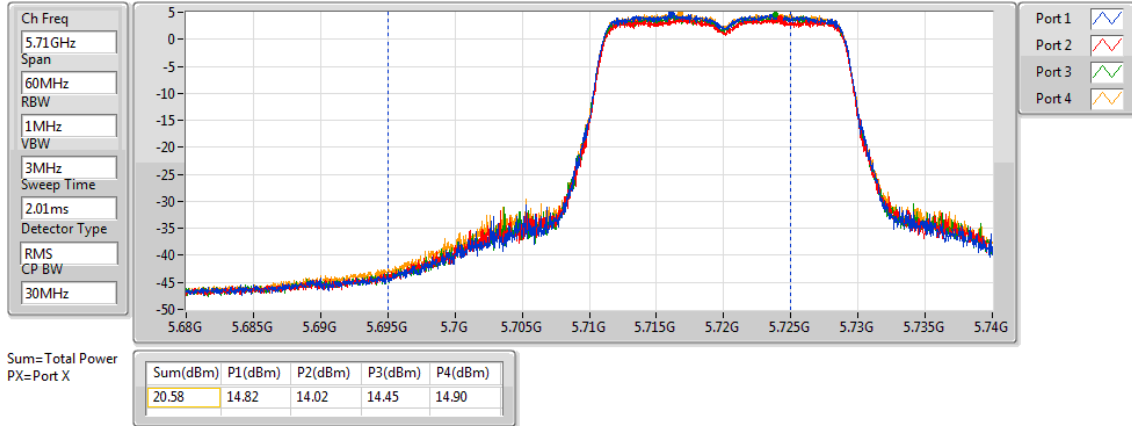
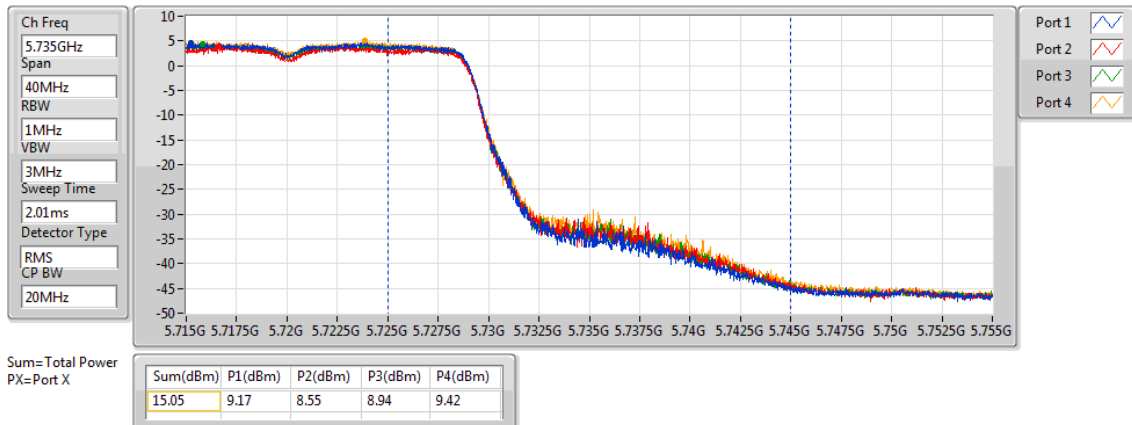
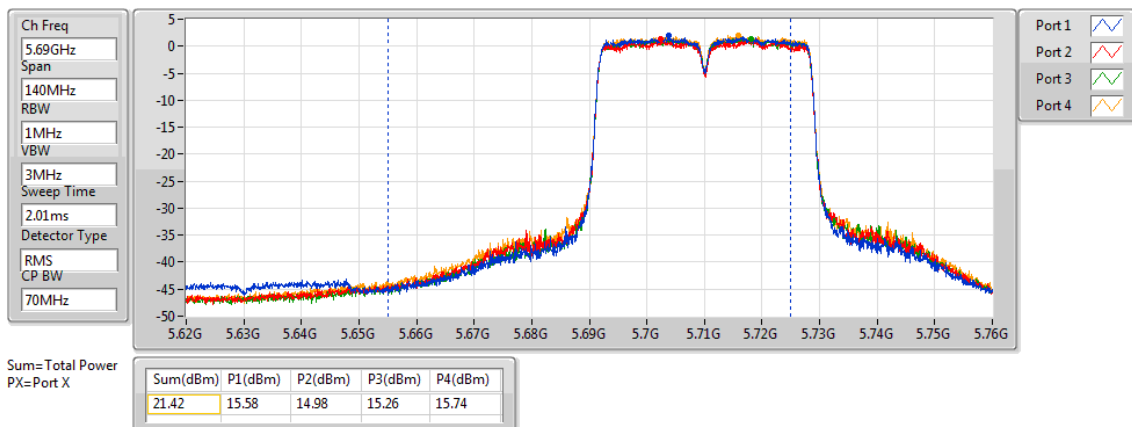
AV Power

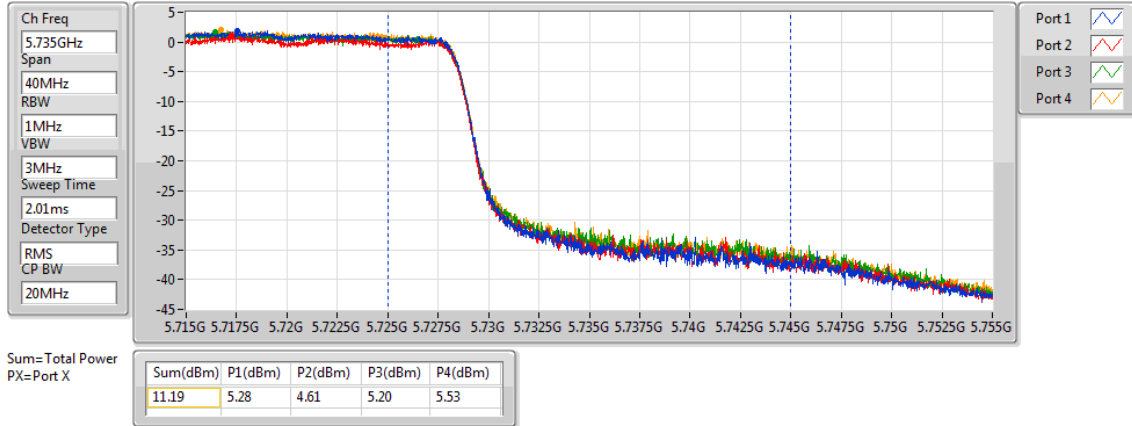
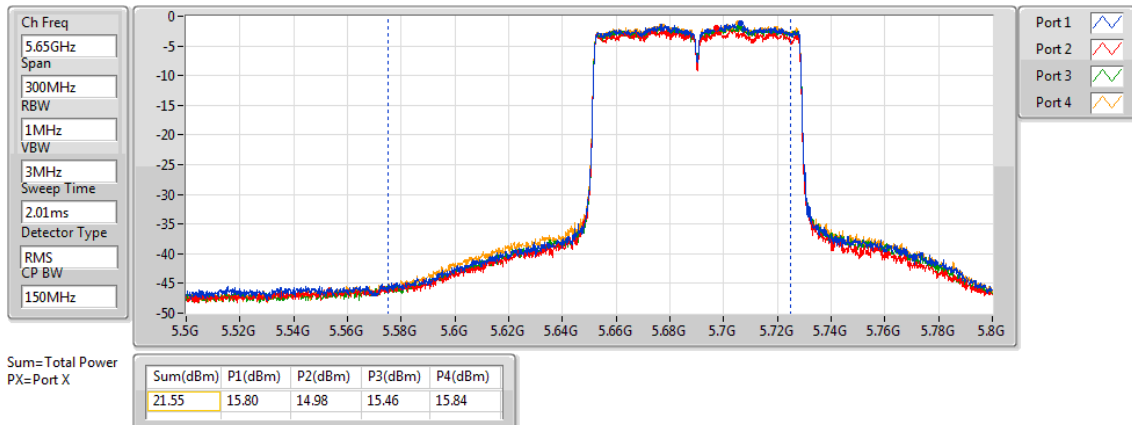
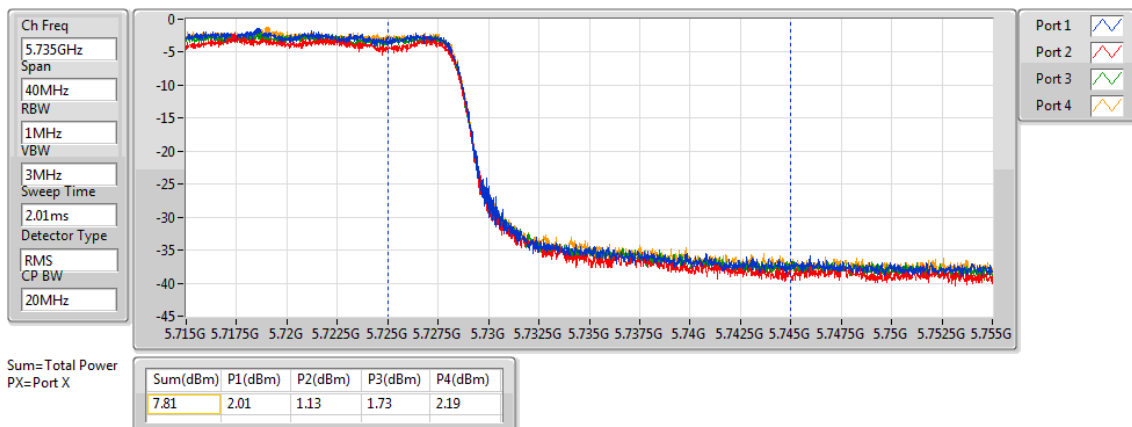
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_4TX
AV Power
5755MHz

802.11ac VHT80_Nss1,(MCS0)_4TX
AV Power
5690MHz Straddle 5.47-5.725GHz

802.11ac VHT80_Nss1,(MCS0)_4TX
AV Power
5690MHz Straddle 5.725-5.85GHz


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
AV Power
5720MHz Straddle 5.47-5.725GHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
AV Power
5720MHz Straddle 5.725-5.85GHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
AV Power
5710MHz Straddle 5.47-5.725GHz


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
AV Power
5710MHz Straddle 5.725-5.85GHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
AV Power
5690MHz Straddle 5.47-5.725GHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
AV Power
5690MHz Straddle 5.725-5.85GHz


**For Mode 1 (Antenna Set 1):
Summary**

Mode	PD (dBm/RBW)
802.11a_(6Mbps)_4TX	-
5.15-5.25GHz	6.05
5.25-5.35GHz	6
5.47-5.725GHz	6.07
5.725-5.85GHz	12.93
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	5.91
5.25-5.35GHz	6.06
5.47-5.725GHz	6.05
5.725-5.85GHz	12.82
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	6.05
5.25-5.35GHz	6.01
5.47-5.725GHz	6.02
5.725-5.85GHz	9.49
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	-0.51
5.25-5.35GHz	-2.82
5.47-5.725GHz	5
5.725-5.85GHz	2.69
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	5.91
5.25-5.35GHz	5.96
5.47-5.725GHz	5.92
5.725-5.85GHz	9.64
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	2.60
5.25-5.35GHz	2.74
5.47-5.725GHz	3.20
5.725-5.85GHz	7.24
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	0.07
5.25-5.35GHz	-2.02
5.47-5.725GHz	-0.09
5.725-5.85GHz	3.94

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.92	0.11	-0.25	-0.26	0.77	6.01	6.08
5200MHz	Pass	10.92	-0.02	-0.41	-0.3	0.64	5.97	6.08
5240MHz	Pass	10.92	0.32	-0.34	-0.39	0.7	6.05	6.08
5260MHz	Pass	10.92	0	-0.45	-0.45	0.64	5.89	6.08
5300MHz	Pass	10.92	0.21	-0.4	-0.53	0.89	6.00	6.08
5320MHz	Pass	10.92	0.07	-0.34	-0.3	0.9	5.99	6.08
5500MHz	Pass	10.92	0.11	-0.51	0.08	1.06	6.07	6.08
5580MHz	Pass	10.92	-0.08	-0.58	0.14	0.92	5.99	6.08
5700MHz	Pass	10.92	-0.11	-0.57	0.18	0.98	6.04	6.08
5720MHz Straddle 5.47-5.725GHz	Pass	10.92	-0.13	-0.72	-0.01	1.01	5.97	6.08
5720MHz Straddle 5.725-5.85GHz	Pass	10.92	-1.86	-2.78	-2.16	-1.19	3.98	25.08
5745MHz	Pass	10.92	6.98	6.83	7.15	7.62	12.93	25.08
5785MHz	Pass	10.92	6.49	6.52	6.79	7.39	12.72	25.08
5825MHz	Pass	10.92	6.57	6.45	6.72	7.34	12.62	25.08
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.92	-0.01	-0.37	-0.43	0.39	5.87	6.08
5200MHz	Pass	10.92	0.15	-0.45	-0.42	0.51	5.88	6.08
5240MHz	Pass	10.92	0.01	-0.44	-0.2	0.43	5.91	6.08
5260MHz	Pass	10.92	0.09	-0.27	-0.35	0.64	5.96	6.08
5300MHz	Pass	10.92	0.08	-0.44	-0.42	0.7	5.92	6.08
5320MHz	Pass	10.92	0.25	-0.13	-0.27	0.8	6.06	6.08
5500MHz	Pass	10.92	0.08	-0.41	0.23	0.92	6.05	6.08
5580MHz	Pass	10.92	-0.01	-0.46	0.09	0.65	5.91	6.08
5700MHz	Pass	10.92	-0.2	-0.6	0.15	0.79	5.92	6.08
5720MHz Straddle 5.47-5.725GHz	Pass	10.92	0.16	-0.6	0.25	0.83	6.04	6.08
5720MHz Straddle 5.725-5.85GHz	Pass	10.92	-2.07	-2.81	-2	-0.75	3.99	25.08
5745MHz	Pass	10.92	6.94	6.71	6.97	7.34	12.82	25.08
5785MHz	Pass	10.92	6.41	6.41	6.55	7.13	12.48	25.08
5825MHz	Pass	10.92	6.31	6.43	6.44	6.98	12.34	25.08
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.92	0.44	-0.29	-0.37	0.58	6.05	6.08
5230MHz	Pass	10.92	0.38	-0.37	-0.44	0.71	6.05	6.08
5270MHz	Pass	10.92	0.3	-0.28	-0.26	0.58	5.99	6.08
5310MHz	Pass	10.92	0.22	-0.3	-0.19	0.65	6.01	6.08
5510MHz	Pass	10.92	0.17	-0.17	0.25	0.77	6.02	6.08
5550MHz	Pass	10.92	0.03	-0.31	0.15	0.74	6.00	6.08
5670MHz	Pass	10.92	0	-0.48	0.11	0.84	5.96	6.08
5710MHz Straddle 5.47-5.725GHz	Pass	10.92	-0.09	-0.65	-0.18	0.69	5.85	6.08
5710MHz Straddle 5.725-5.85GHz	Pass	10.92	-2.65	-3.46	-2.48	-1.66	3.22	25.08
5755MHz	Pass	10.92	3.72	3.5	3.41	3.95	9.49	25.08
5795MHz	Pass	10.92	2.57	2.88	2.37	3.2	8.63	25.08
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.92	-6.23	-7.22	-6.69	-5.76	-0.51	6.08

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5290MHz	Pass	10.92	-8.57	-9.04	-9.03	-8.29	-2.82	6.08
5530MHz	Pass	10.92	-7.63	-8.39	-7.68	-7.12	-1.82	6.08
5610MHz	Pass	10.92	-1.17	-2.32	-1.27	-0.55	4.63	6.08
5690MHz Straddle 5.47-5.725GHz	Pass	10.92	-1.16	-1.34	-0.86	-0.12	5.00	6.08
5690MHz Straddle 5.725-5.85GHz	Pass	10.92	-4.04	-4.65	-3.99	-2.96	1.96	25.08
5775MHz	Pass	10.92	-3	-3.53	-3.2	-2.62	2.69	25.08
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.92	-0.01	-0.37	-0.43	0.39	5.87	6.08
5200MHz	Pass	10.92	0.15	-0.45	-0.42	0.51	5.88	6.08
5240MHz	Pass	10.92	0.01	-0.44	-0.2	0.43	5.91	6.08
5260MHz	Pass	10.92	0.09	-0.27	-0.35	0.64	5.96	6.08
5300MHz	Pass	10.92	0.08	-0.44	-0.42	0.7	5.92	6.08
5320MHz	Pass	10.92	0.27	-0.16	-0.61	0.18	5.84	6.08
5500MHz	Pass	10.92	0.00	-0.61	-0.21	0.11	5.72	6.08
5580MHz	Pass	10.92	-0.01	-0.46	0.09	0.65	5.91	6.08
5700MHz	Pass	10.92	-0.2	-0.6	0.15	0.79	5.92	6.08
5720MHz Straddle 5.47-5.725GHz	Pass	10.92	0.05	-0.58	-0.20	0.04	5.77	6.08
5720MHz Straddle 5.725-5.85GHz	Pass	10.92	-2.03	-2.67	-2.14	-1.66	3.81	25.08
5745MHz	Pass	10.92	3.87	3.61	2.89	3.59	9.42	25.08
5785MHz	Pass	10.92	3.92	3.63	2.87	3.52	9.41	25.08
5825MHz	Pass	10.92	4.27	3.72	3.10	3.66	9.64	25.08
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.92	-3.07	-3.30	-3.80	-3.44	2.57	6.08
5230MHz	Pass	10.92	-2.99	-3.29	-3.79	-3.14	2.60	6.08
5270MHz	Pass	10.92	-2.97	-3.36	-3.70	-3.12	2.64	6.08
5310MHz	Pass	10.92	-3.01	-3.32	-3.66	-2.93	2.74	6.08
5510MHz	Pass	10.92	-3.34	-3.82	-3.39	-3.15	2.49	6.08
5550MHz	Pass	10.92	-3.43	-3.60	-3.43	-3.15	2.46	6.08
5670MHz	Pass	10.92	-3.24	-3.65	-3.55	-3.06	2.55	6.08
5710MHz Straddle 5.47-5.725GHz	Pass	10.92	-2.60	-3.07	-2.77	-2.43	3.20	6.08
5710MHz Straddle 5.725-5.85GHz	Pass	10.92	-5.09	-5.34	-4.99	-4.58	0.95	25.08
5755MHz	Pass	10.92	1.36	1.27	0.81	1.23	7.06	25.08
5795MHz	Pass	10.92	1.62	1.37	0.76	1.47	7.24	25.08
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.92	-5.45	-6.15	-6.39	-5.58	0.07	6.08
5290MHz	Pass	10.92	-7.73	-8.27	-8.19	-7.80	-2.02	6.08
5530MHz	Pass	10.92	-8.83	-9.35	-8.84	-8.53	-3.00	6.08
5610MHz	Pass	10.92	-5.81	-6.43	-5.94	-5.59	-0.09	6.08
5690MHz Straddle 5.47-5.725GHz	Pass	10.92	-5.94	-6.57	-6.29	-5.97	-0.35	6.08
5690MHz Straddle 5.725-5.85GHz	Pass	10.92	-8.25	-8.94	-8.63	-7.88	-2.55	25.08
5775MHz	Pass	10.92	-1.64	-2.35	-2.30	-1.82	3.94	25.08

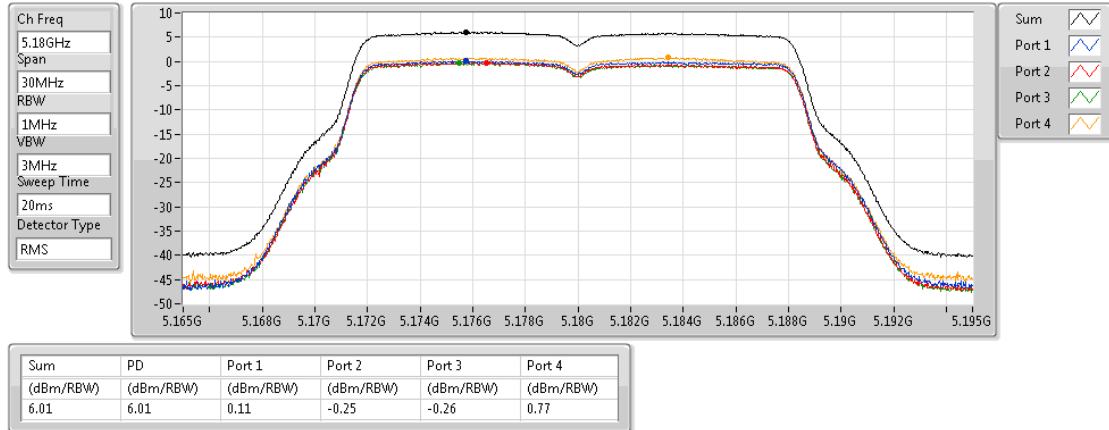
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_(6Mbps)_4TX

PSD

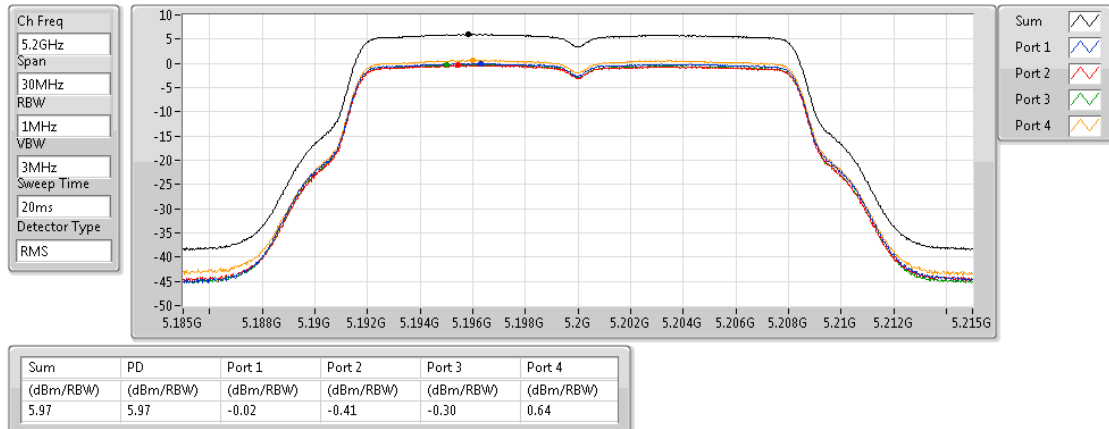
5180MHz



802.11a_(6Mbps)_4TX

PSD

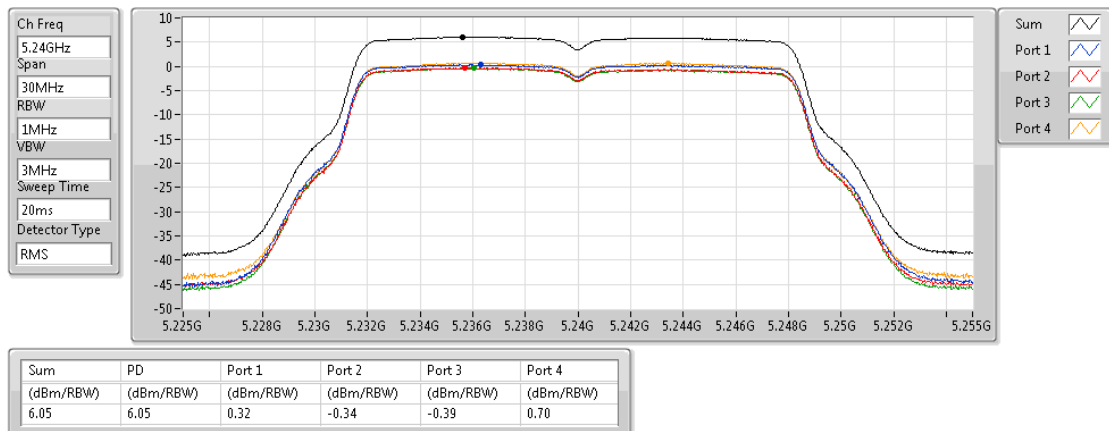
5200MHz



802.11a_(6Mbps)_4TX

PSD

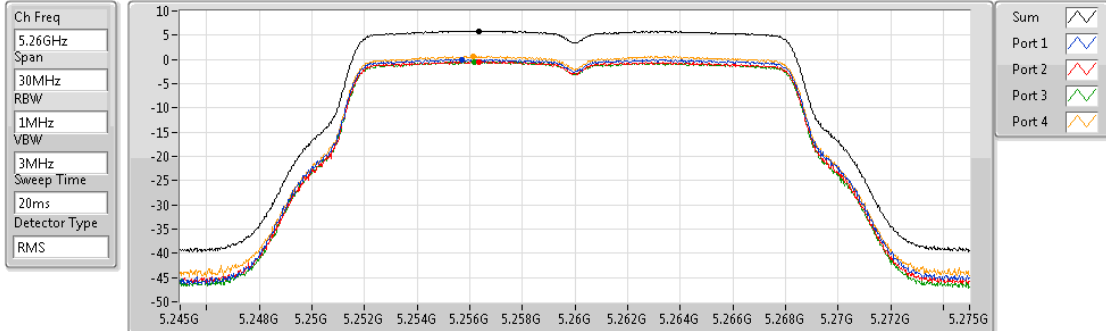
5240MHz



802.11a_(6Mbps)_4TX

PSD

5260MHz

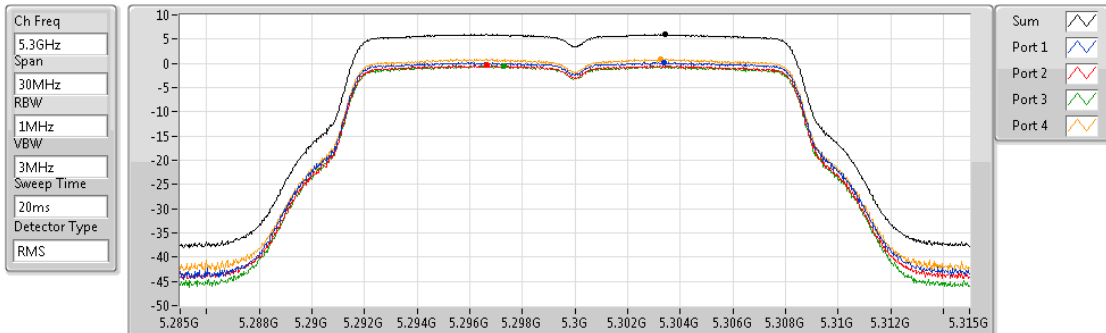


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.89	5.89	0.00	-0.45	-0.45	0.64

802.11a_(6Mbps)_4TX

PSD

5300MHz

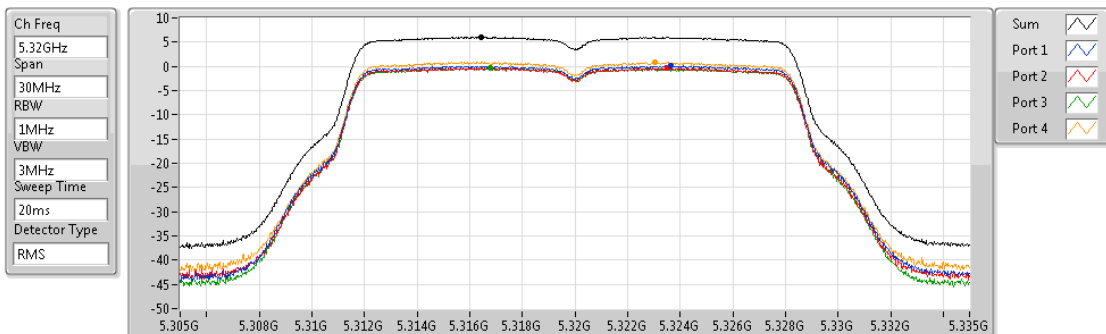


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.00	6.00	0.21	-0.40	-0.53	0.89

802.11a_(6Mbps)_4TX

PSD

5320MHz

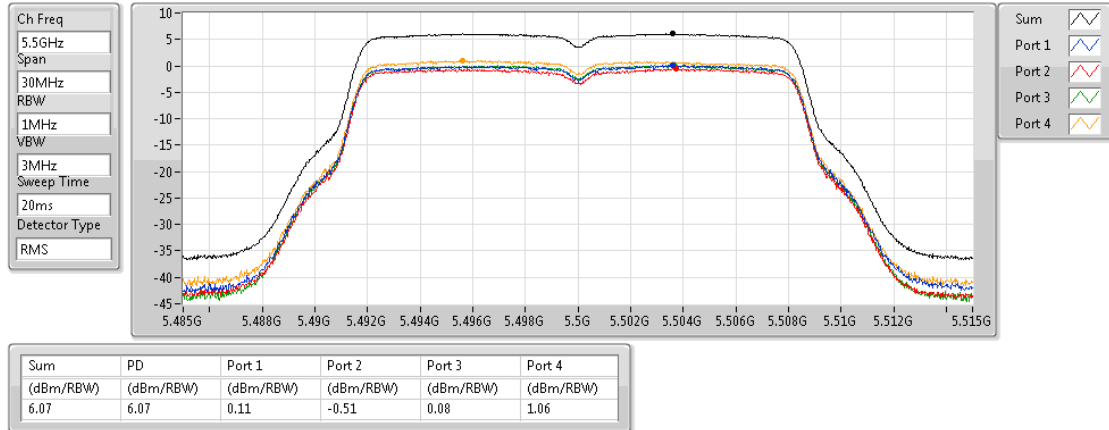


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.99	5.99	0.07	-0.34	-0.30	0.90

802.11a_(6Mbps)_4TX

PSD

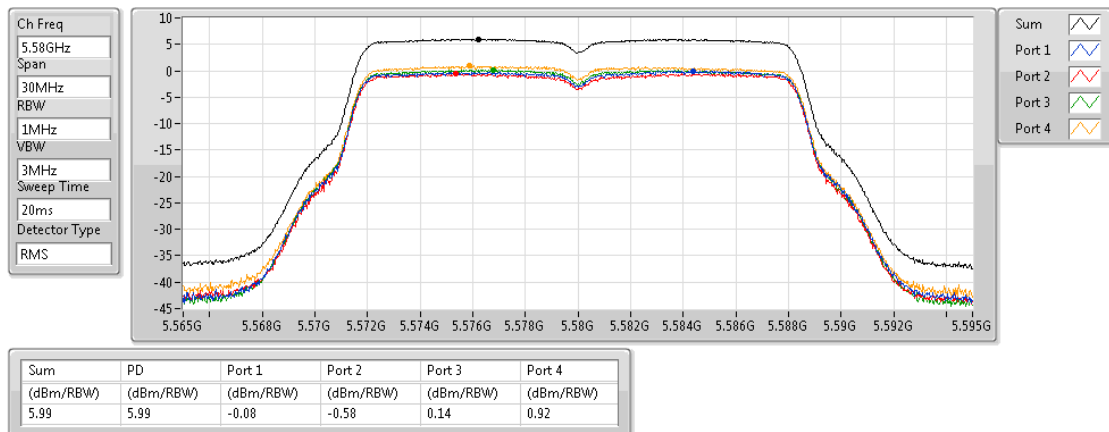
5500MHz



802.11a_(6Mbps)_4TX

PSD

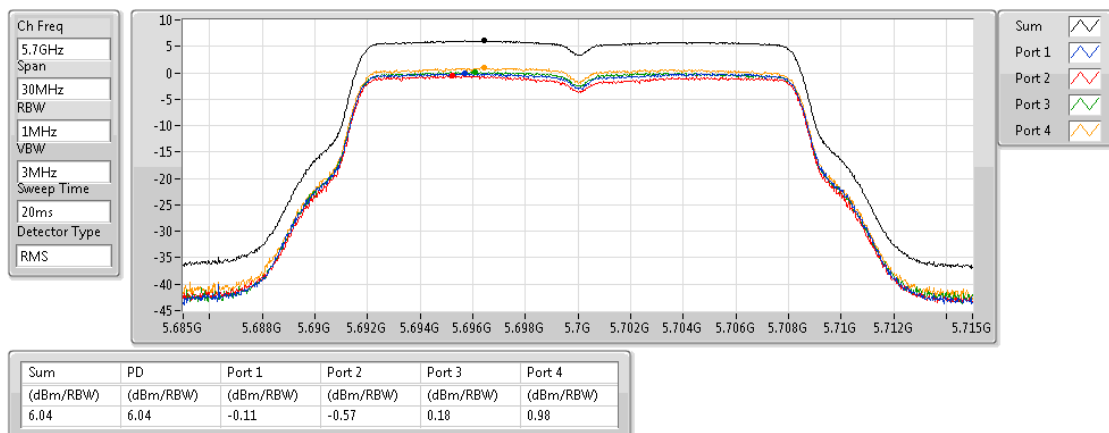
5580MHz



802.11a_(6Mbps)_4TX

PSD

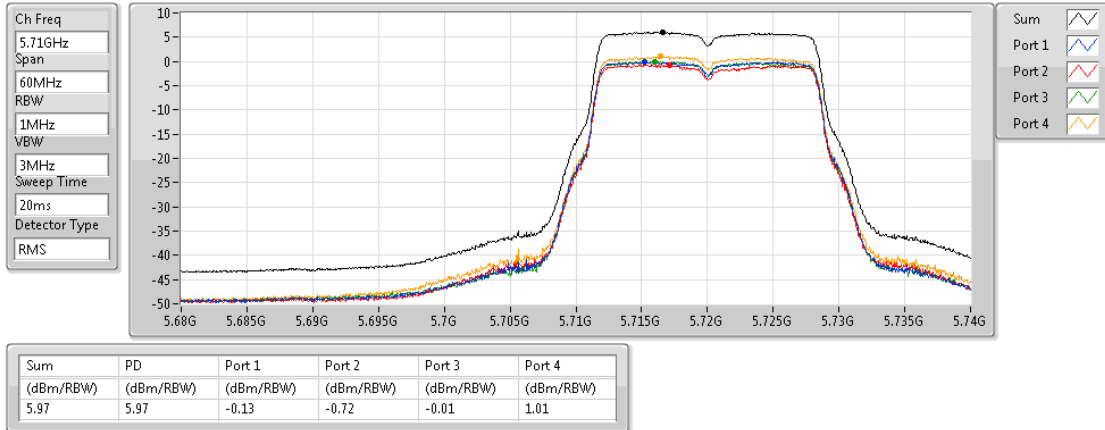
5700MHz



802.11a_(6Mbps)_4TX

PSD

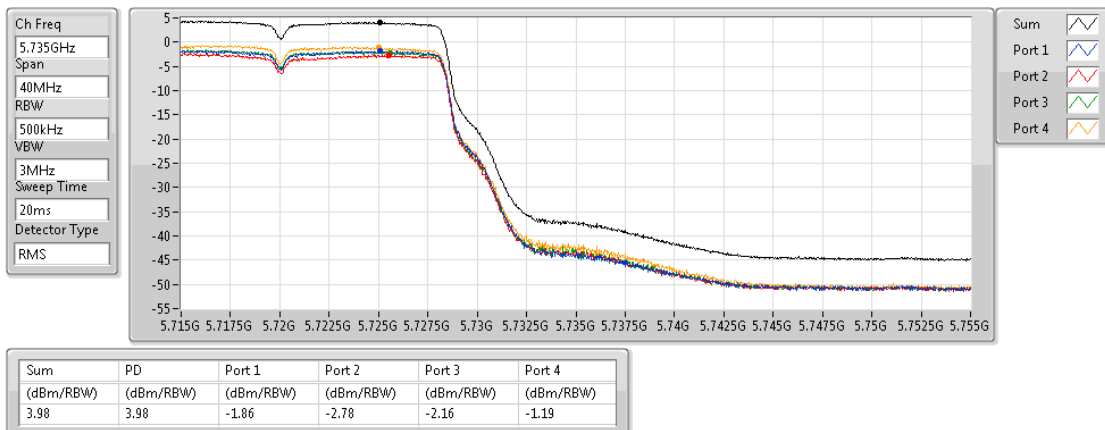
5720MHz Straddle 5.47-5.725GHz



802.11a_(6Mbps)_4TX

PSD

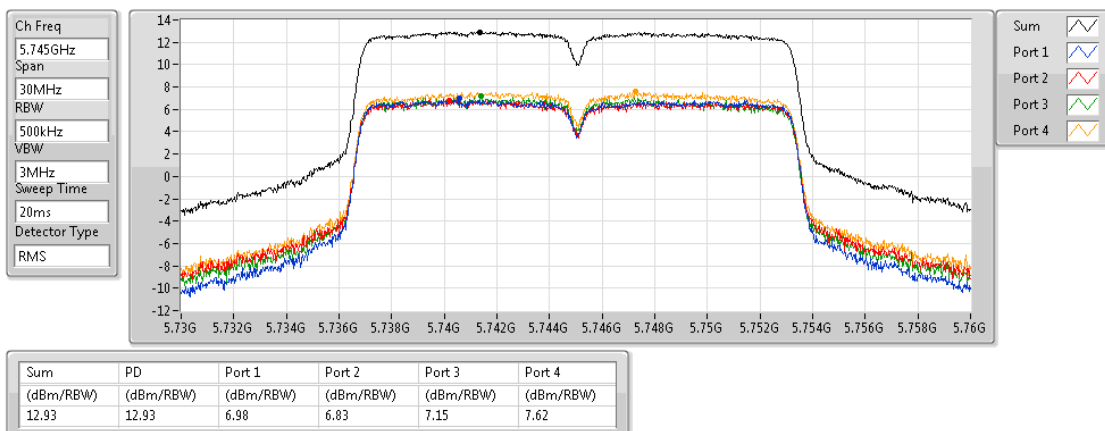
5720MHz Straddle 5.725-5.85GHz



802.11a_(6Mbps)_4TX

PSD

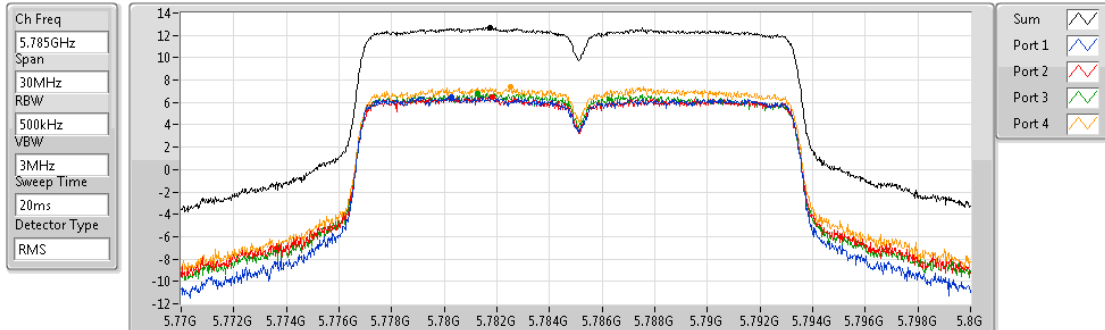
5745MHz



802.11a_(6Mbps)_4TX

PSD

5785MHz

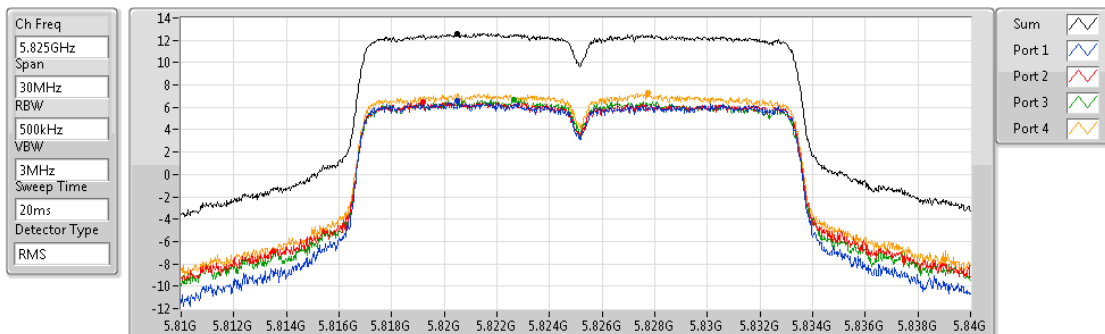


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.72	12.72	6.49	6.52	6.79	7.39

802.11a_(6Mbps)_4TX

PSD

5825MHz

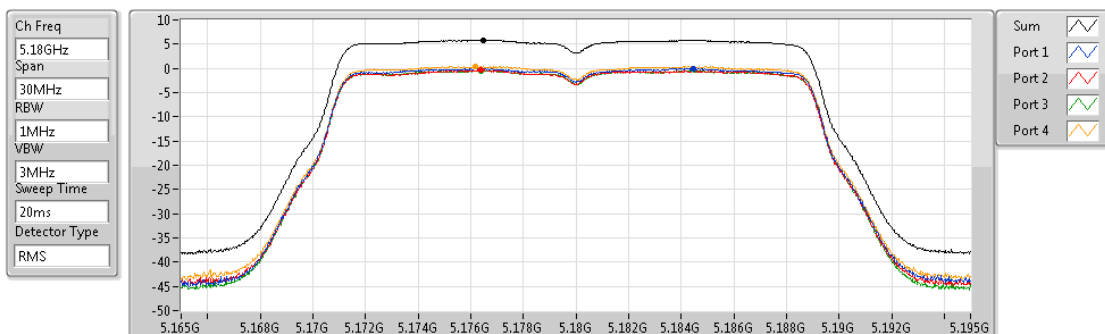


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.62	12.62	6.57	6.45	6.72	7.34

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5180MHz

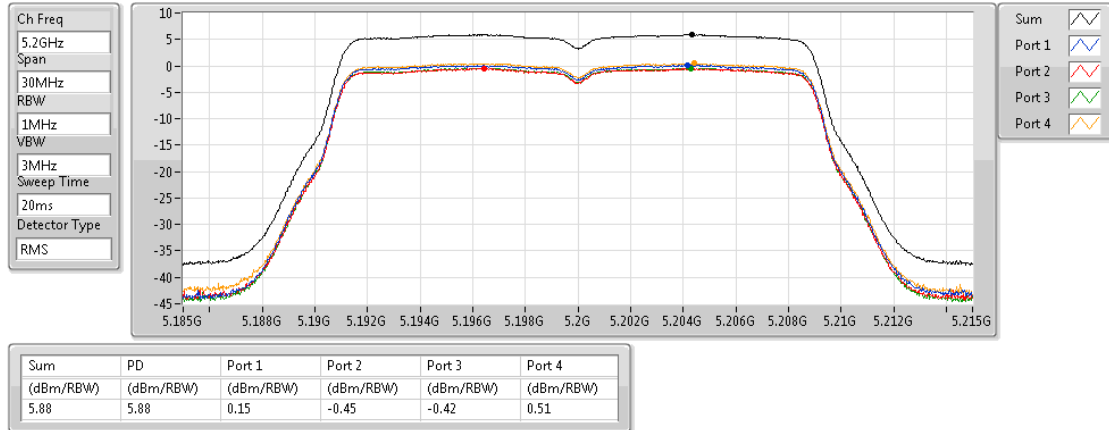


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.87	5.87	-0.01	-0.37	-0.43	0.39

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

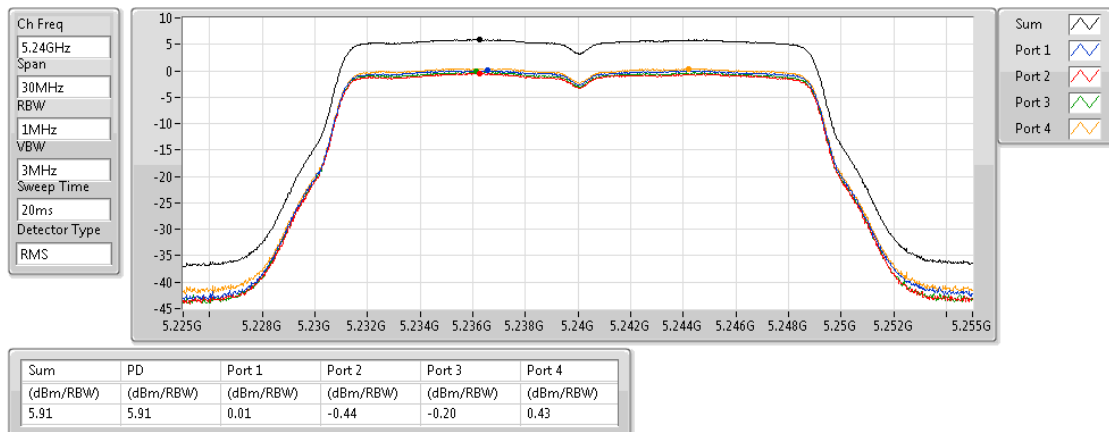
5200MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

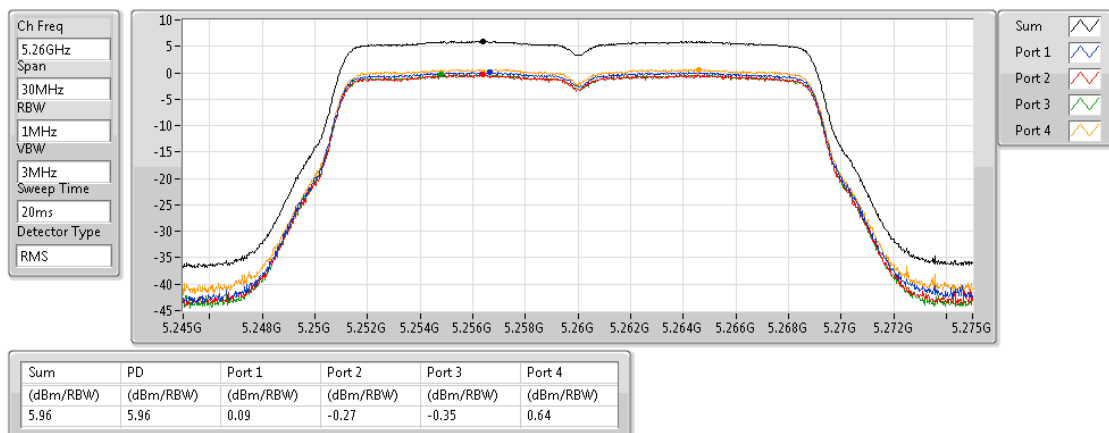
5240MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

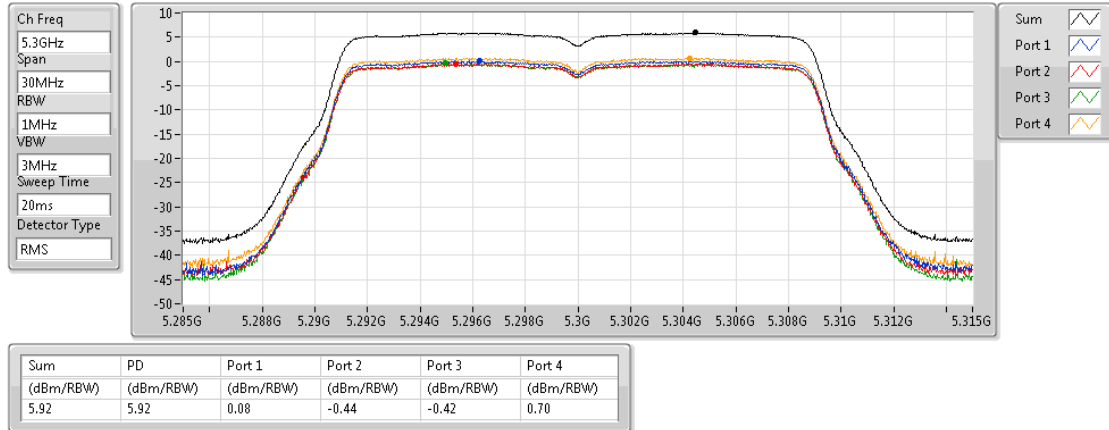
5260MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

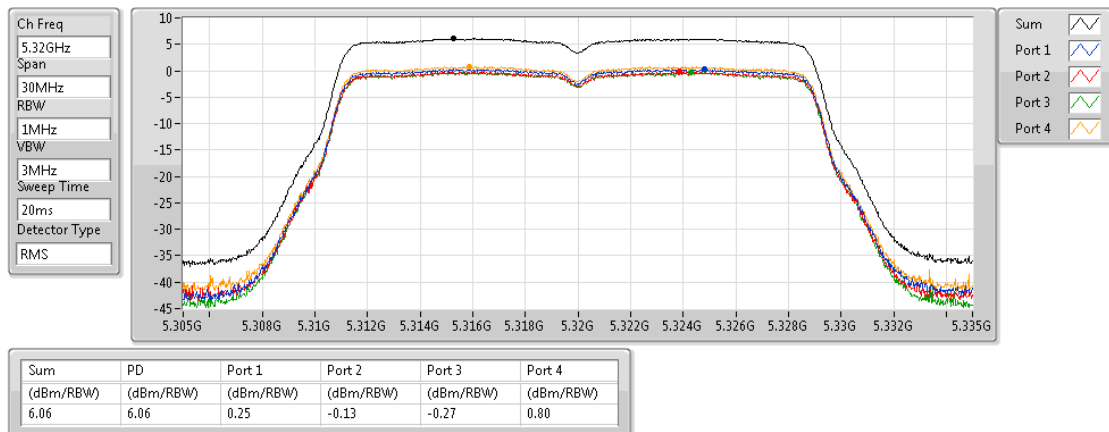
5300MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

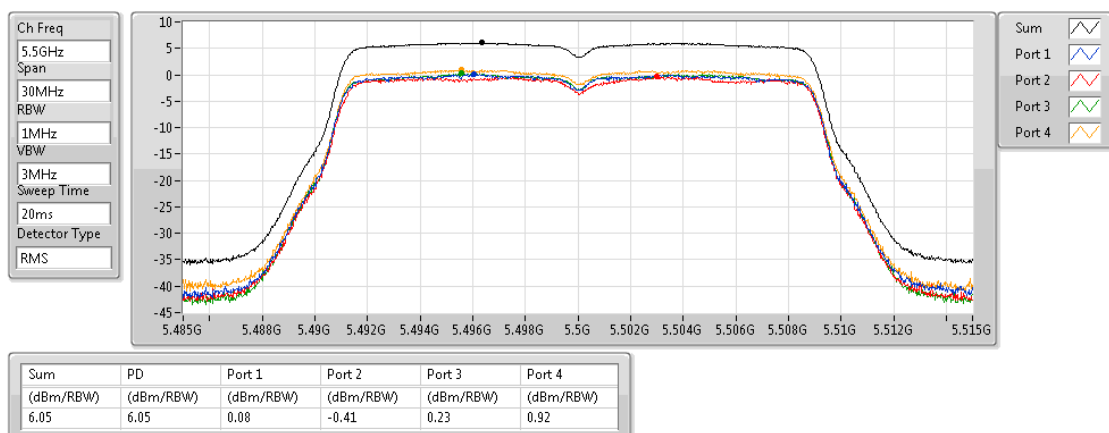
5320MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

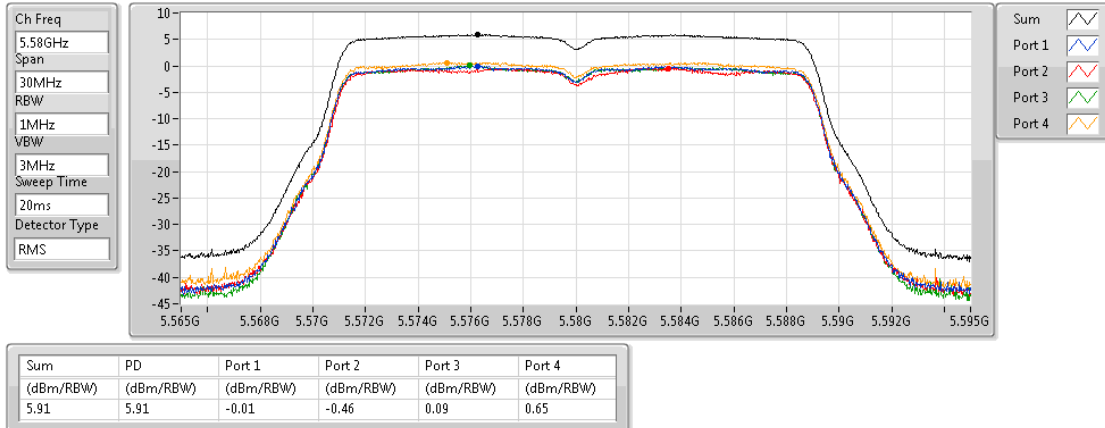
5500MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

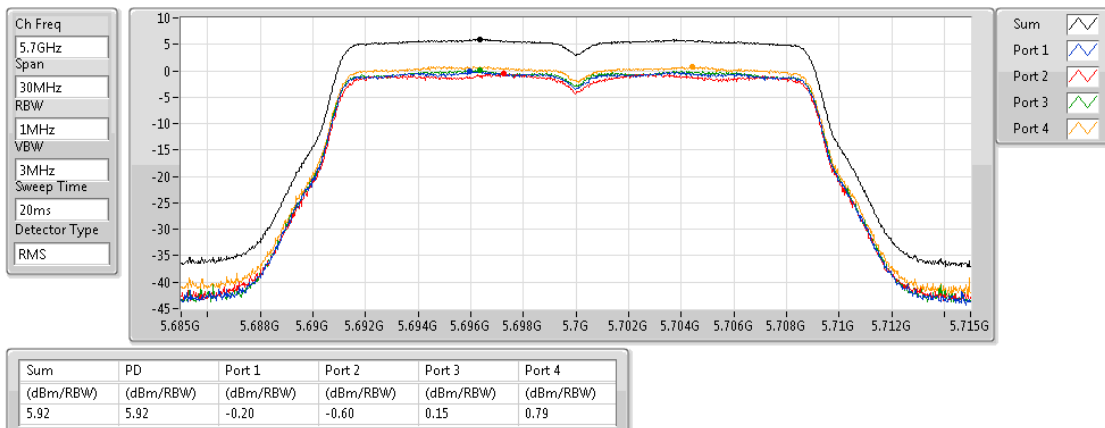
5580MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

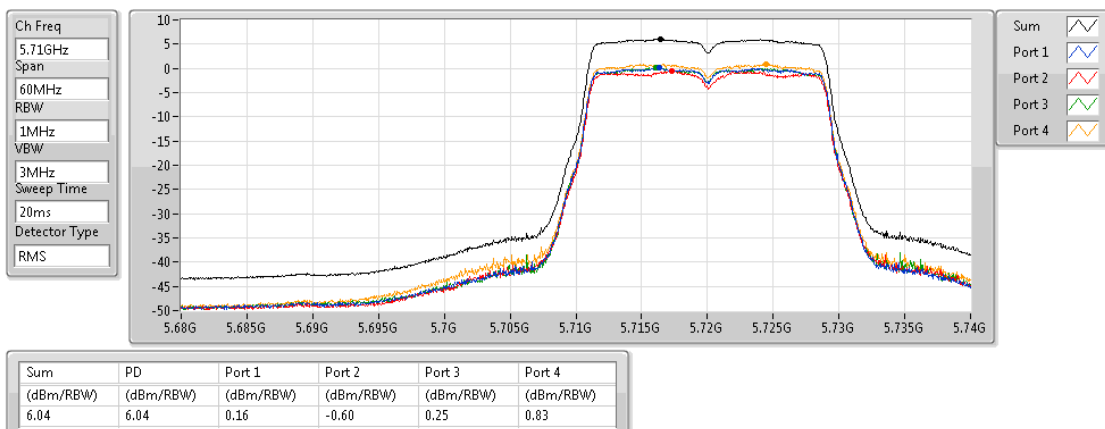
5700MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

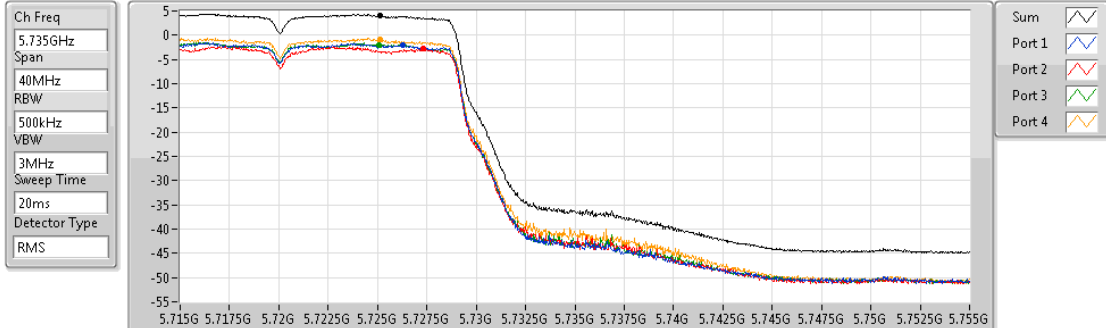
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

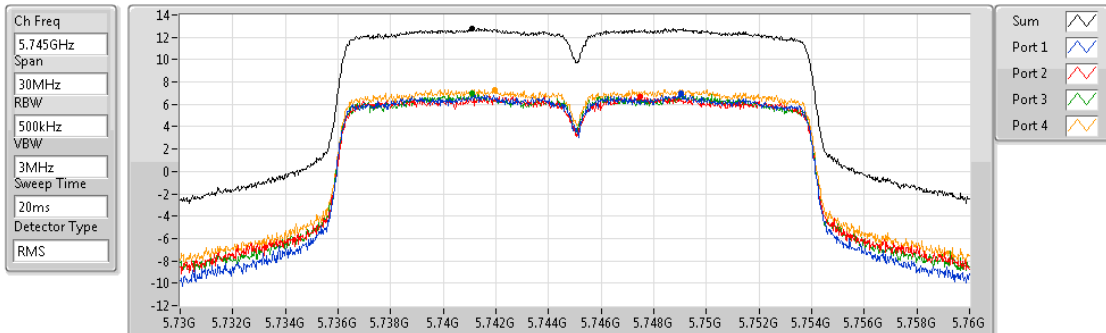


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.99	3.99	-2.07	-2.81	-2.00	-0.75

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5745MHz

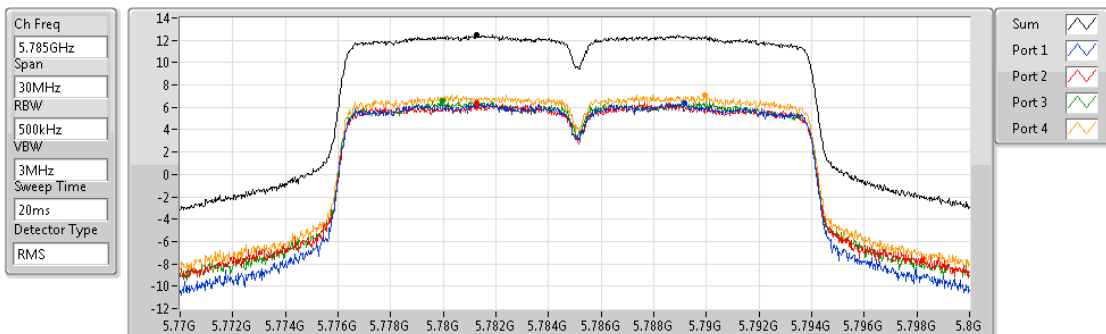


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.82	12.82	6.94	6.71	6.97	7.34

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5785MHz

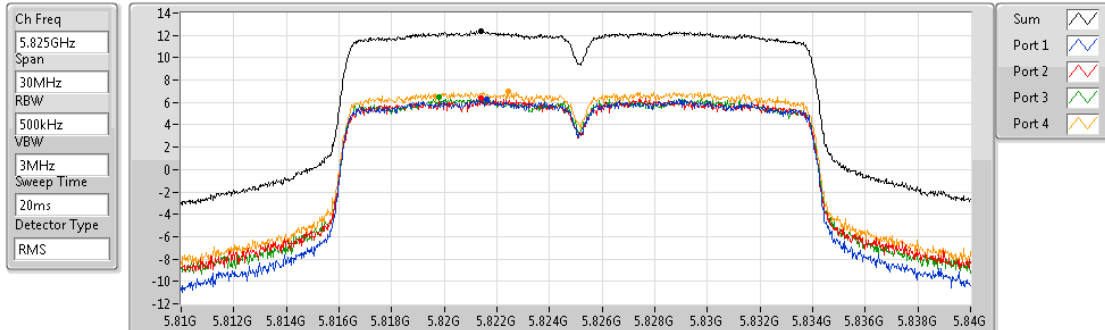


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.48	12.48	6.41	6.41	6.55	7.13

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5825MHz

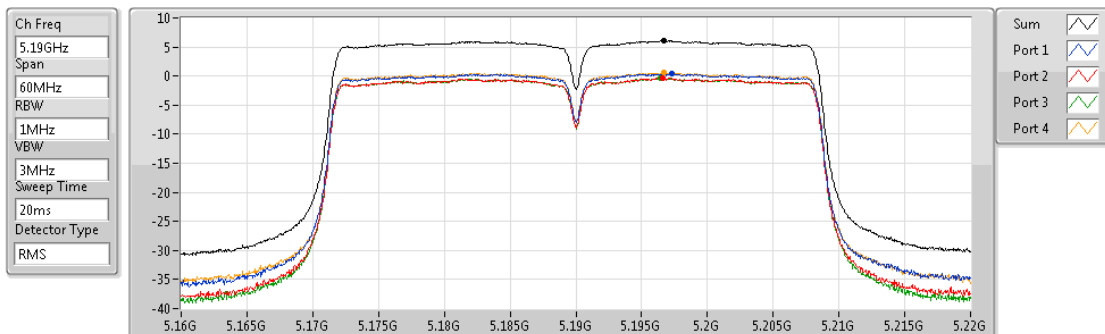


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.34	12.34	6.31	6.43	6.44	6.98

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5190MHz

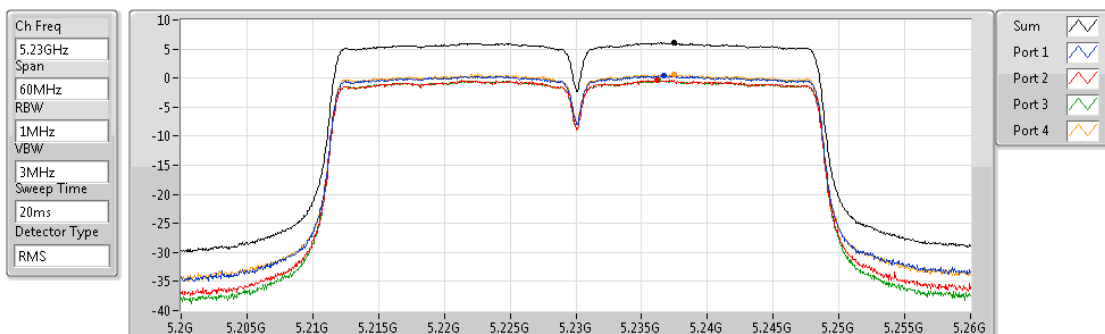


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.05	6.05	0.44	-0.29	-0.37	0.58

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5230MHz

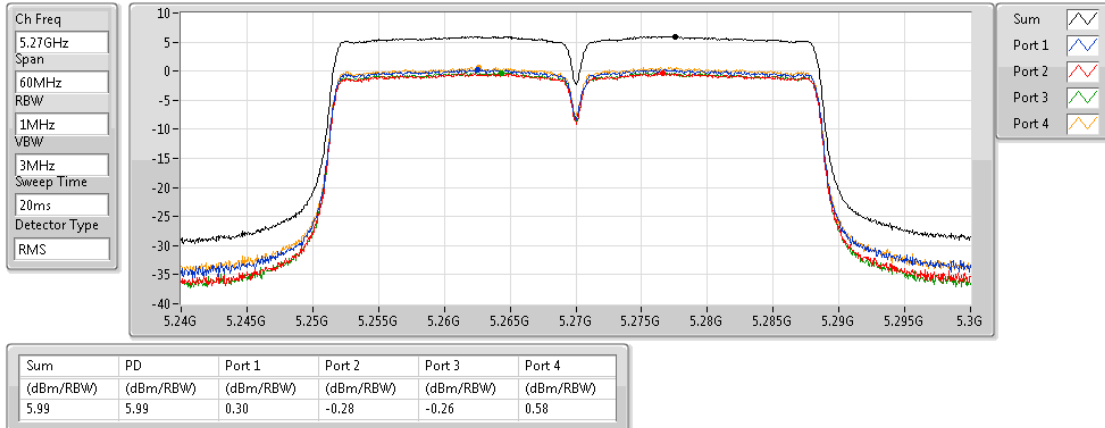


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.05	6.05	0.38	-0.37	-0.44	0.71

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

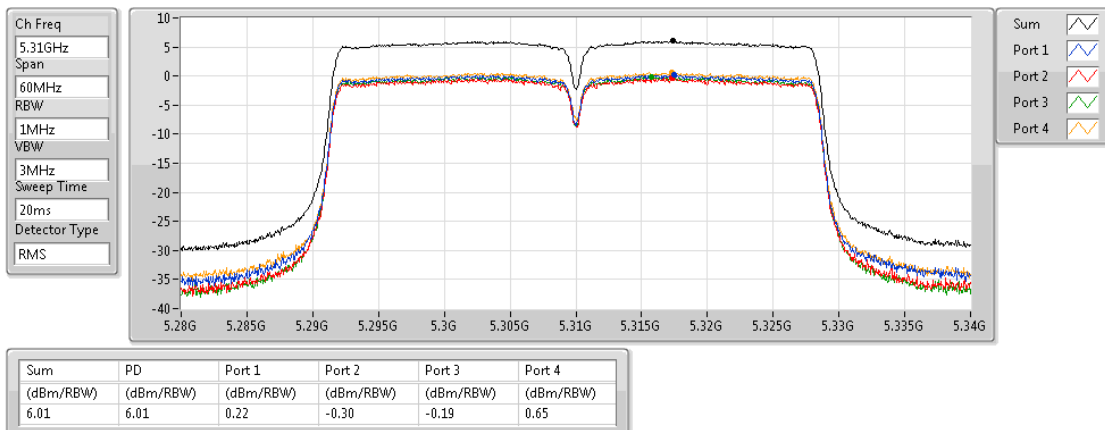
5270MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

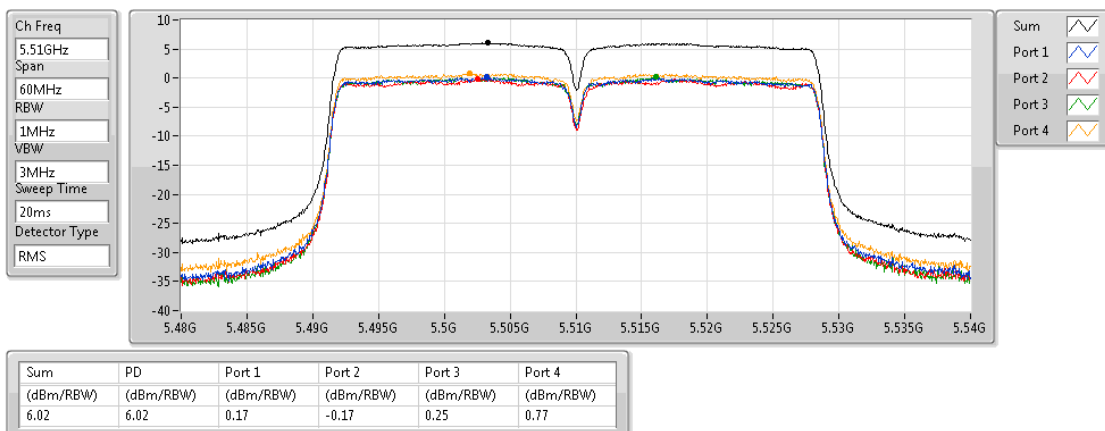
5310MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

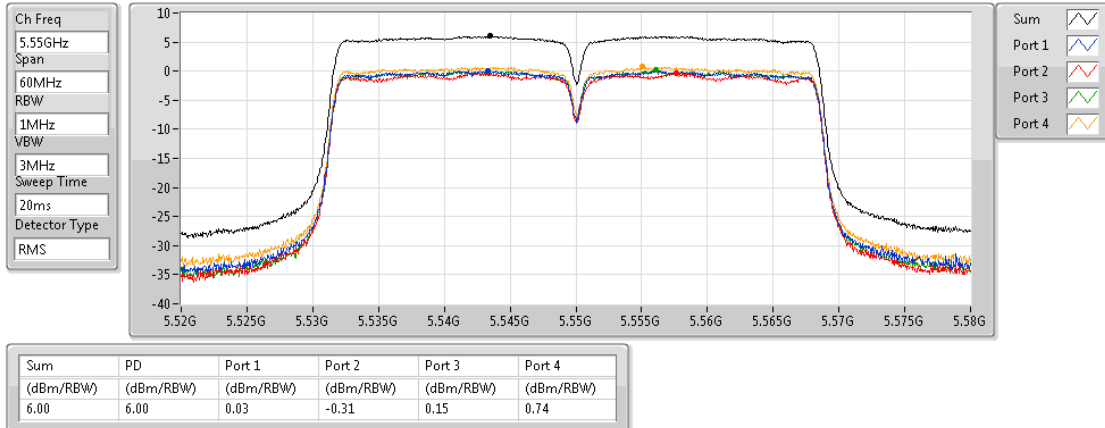
5510MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

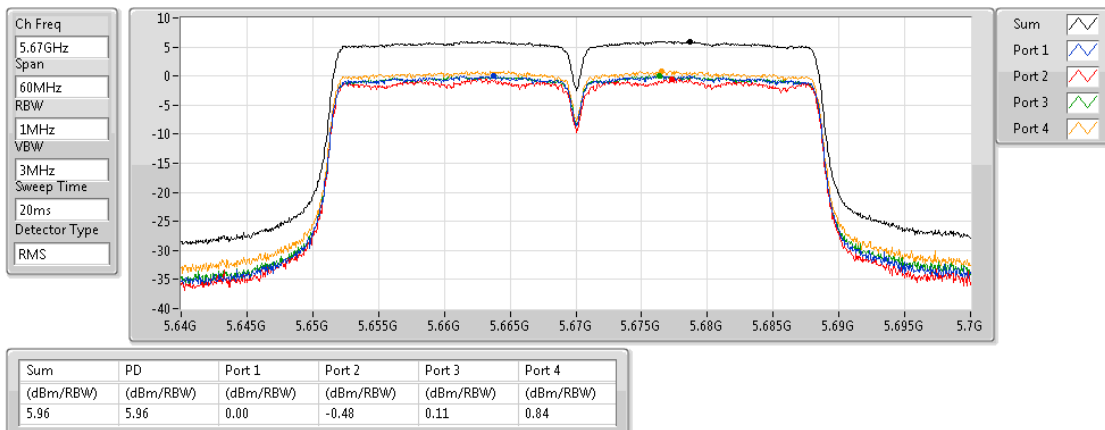
5550MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

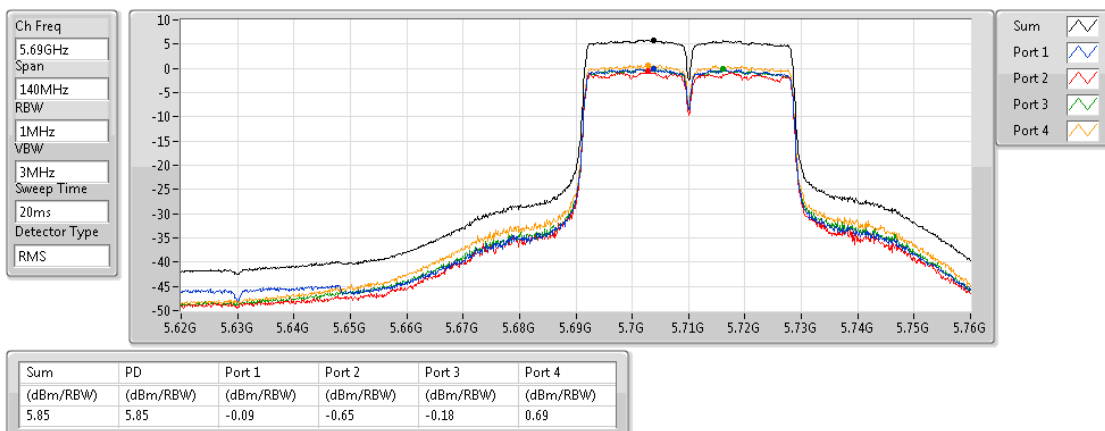
5670MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

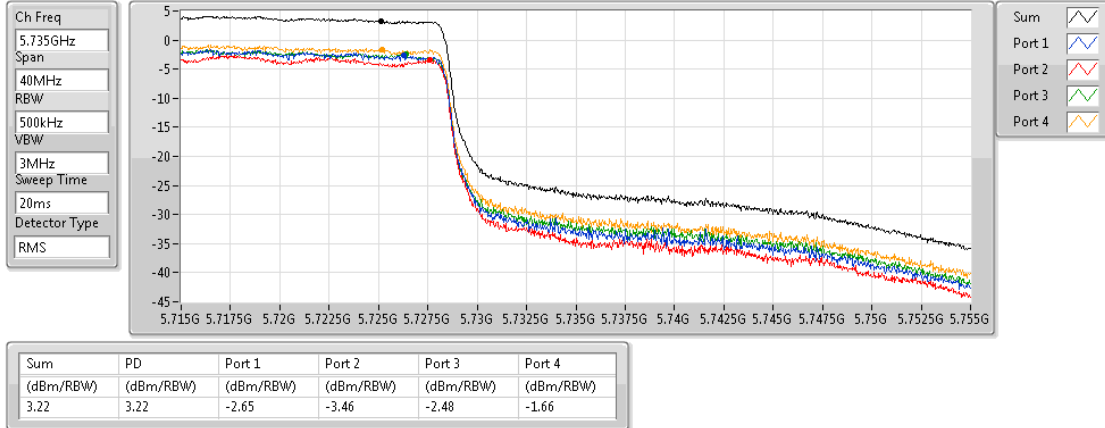
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

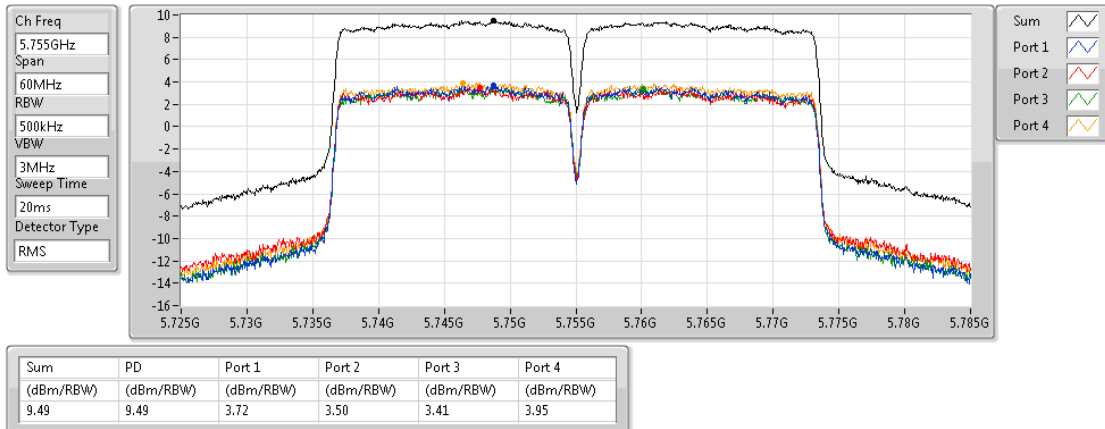
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

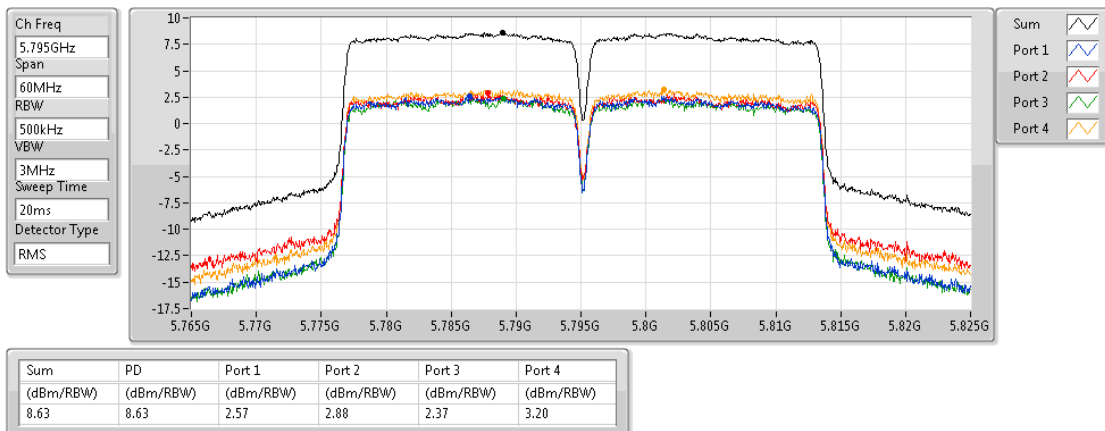
5755MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

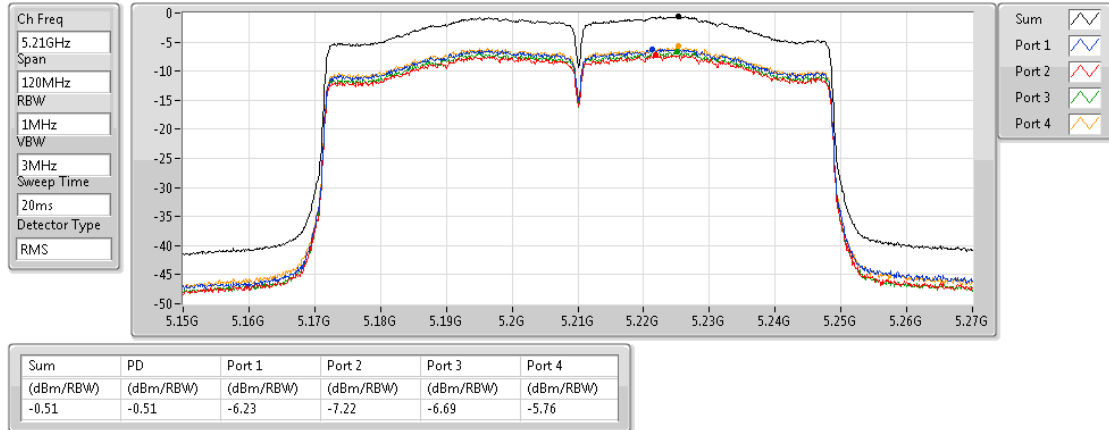
5795MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

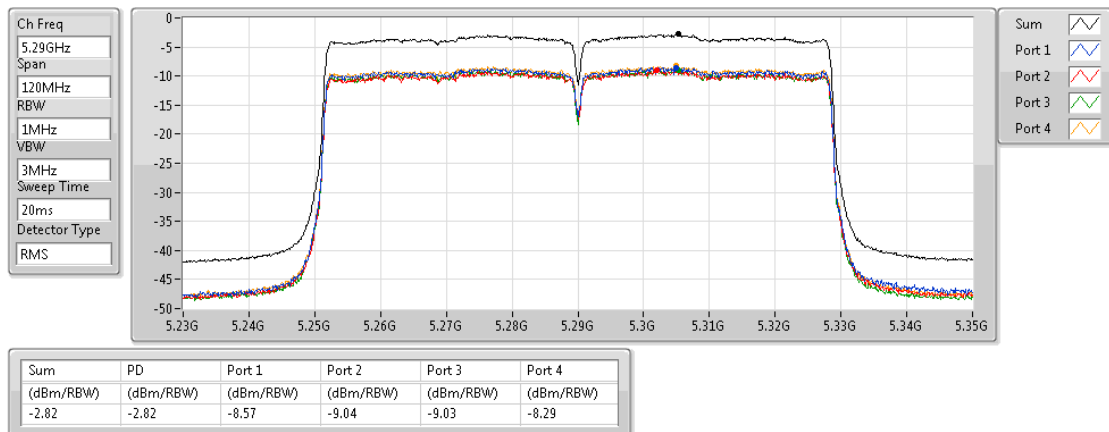
5210MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

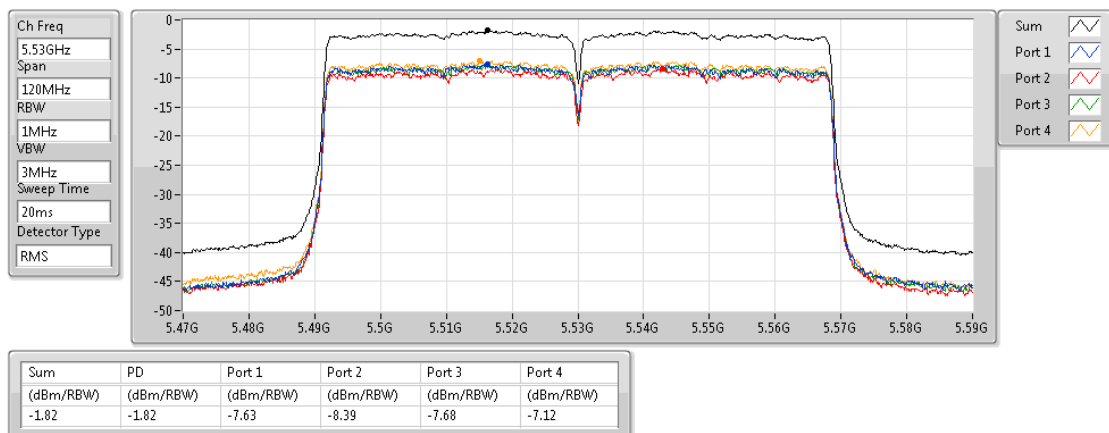
5290MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

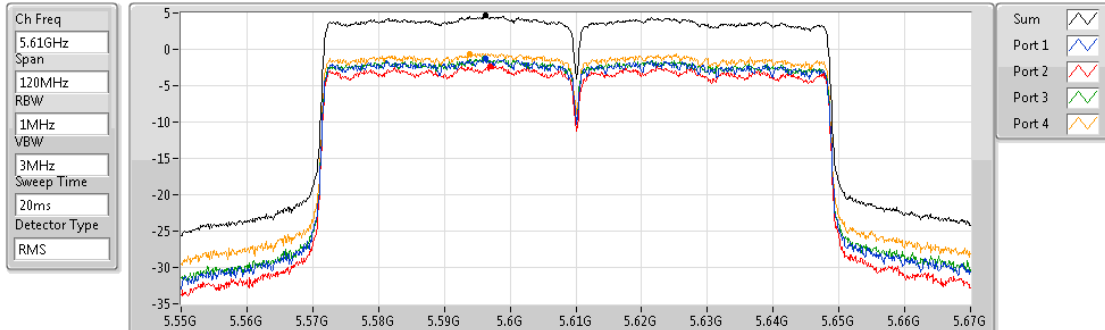
5530MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5610MHz

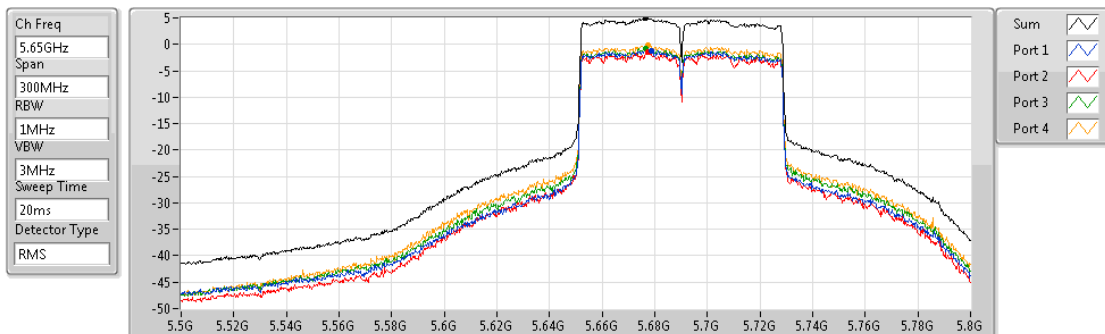


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.63	4.63	-1.17	-2.32	-1.27	-0.55

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

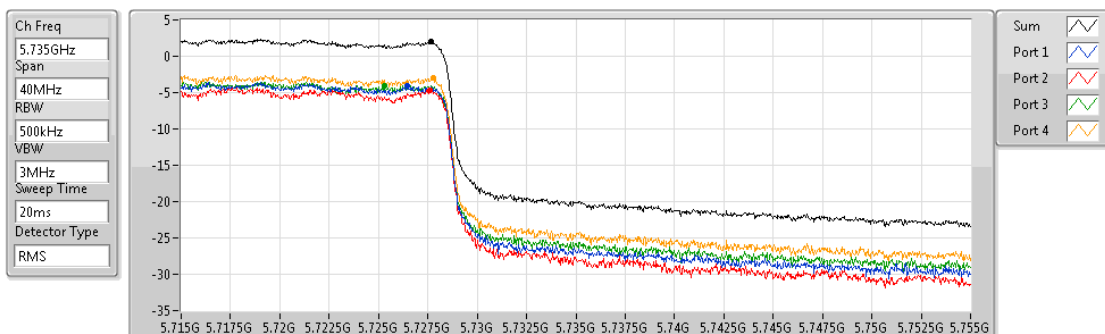


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.00	5.00	-1.16	-1.34	-0.86	-0.12

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

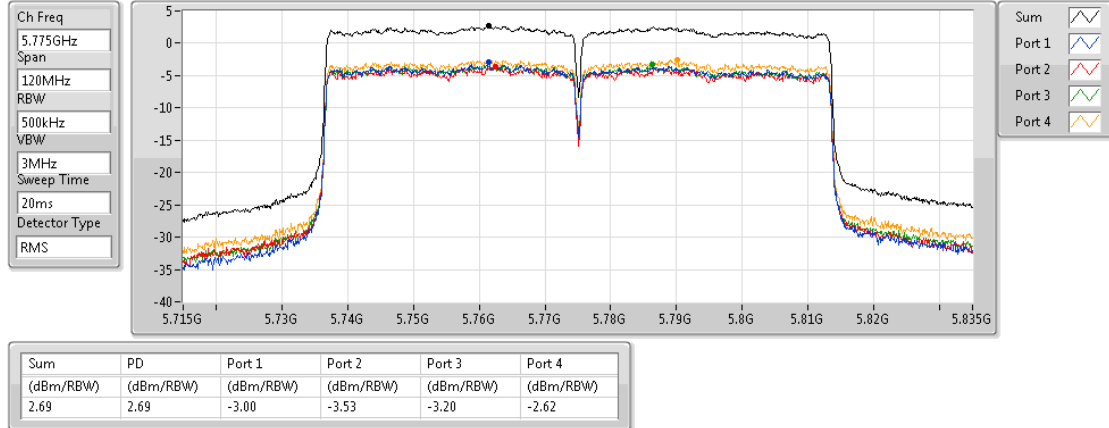


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.96	1.96	-4.04	-4.65	-3.99	-2.96

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

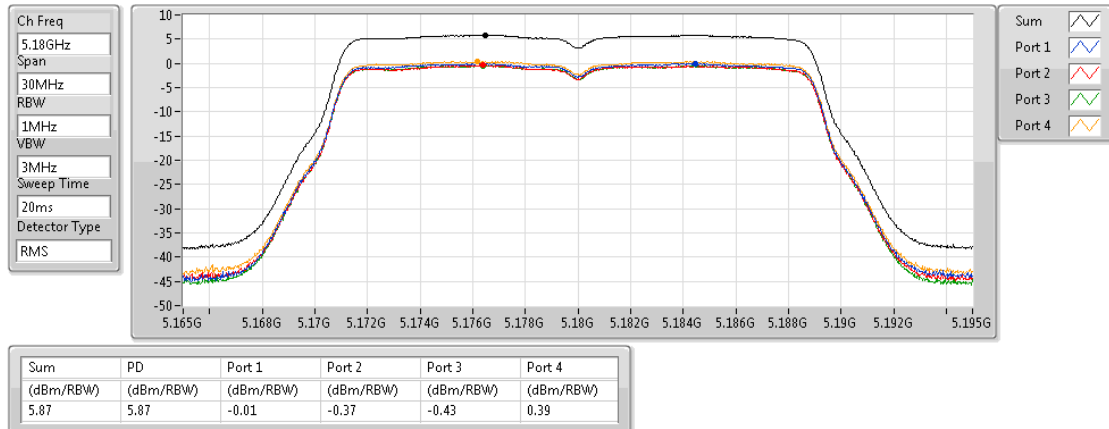
5775MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

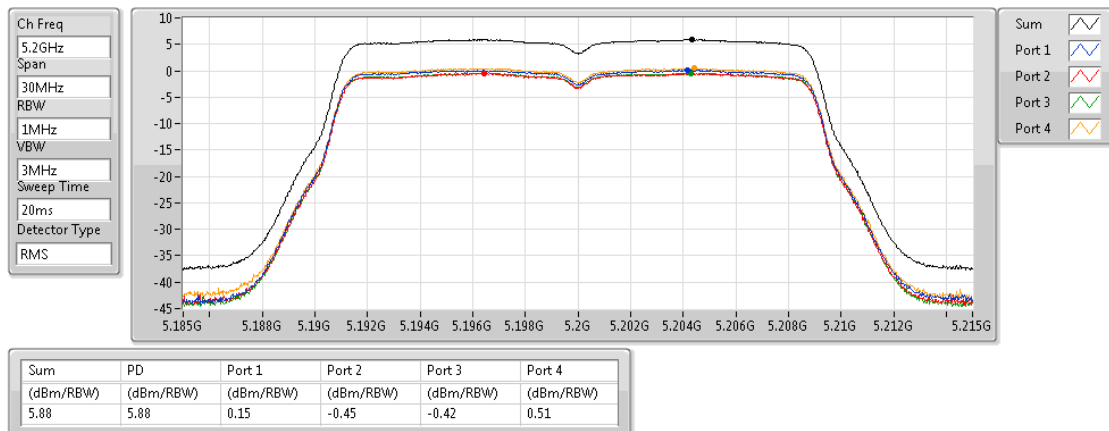
5180MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

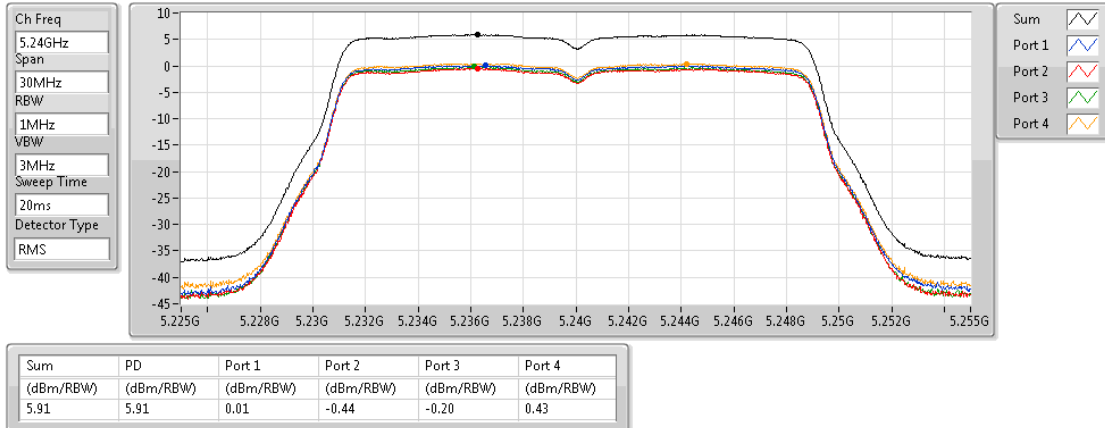
5200MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

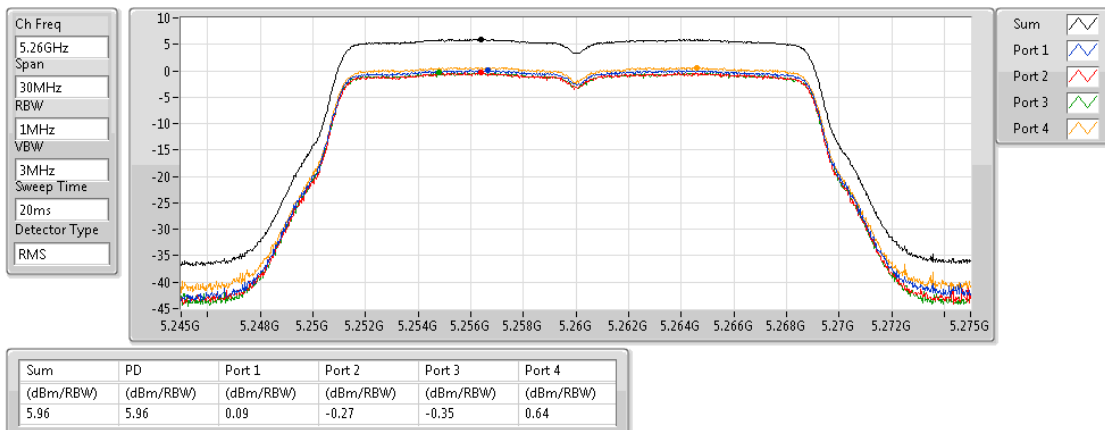
5240MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

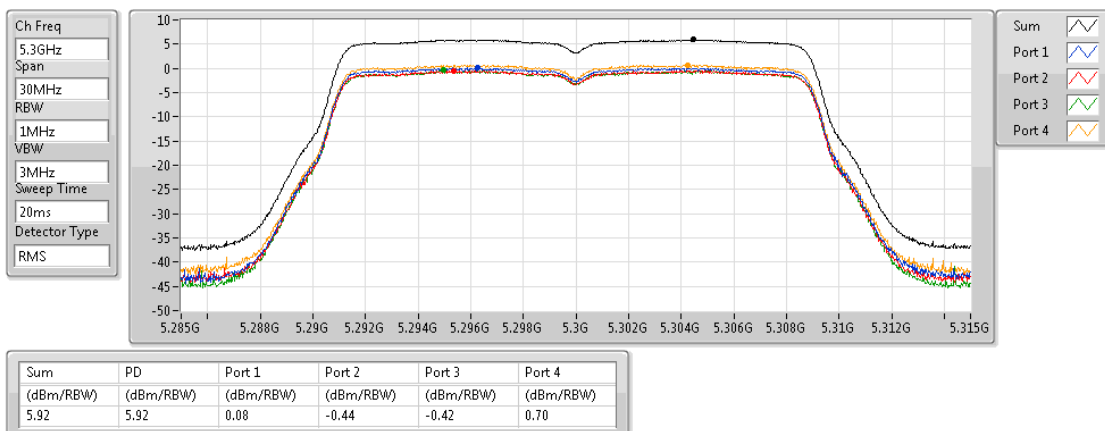
5260MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

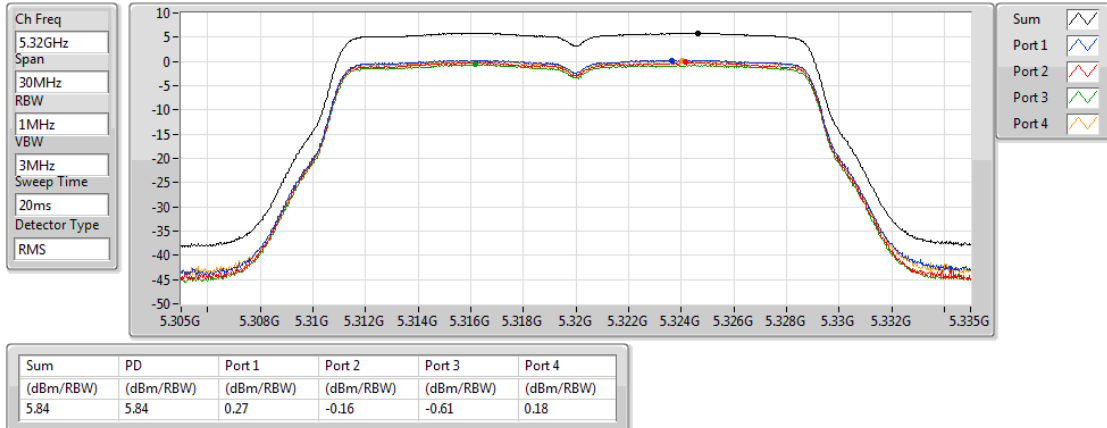
5300MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

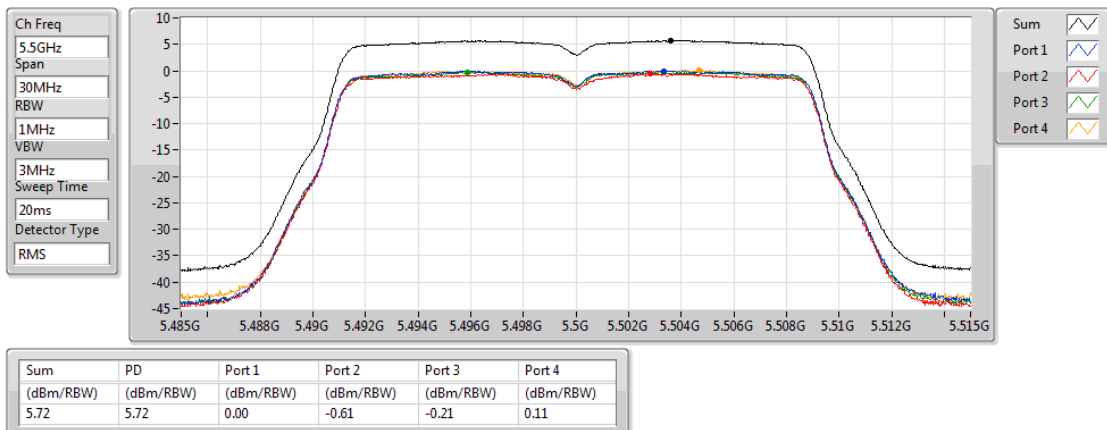
5320MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

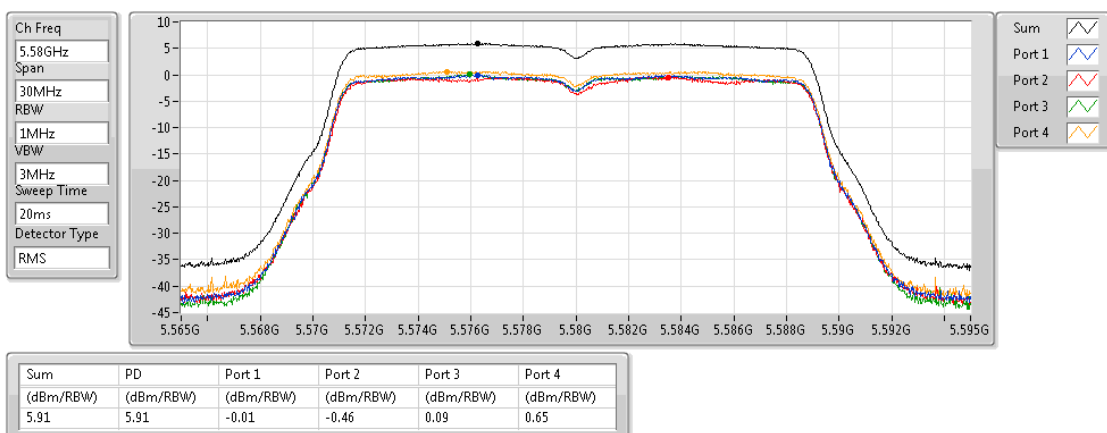
5500MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

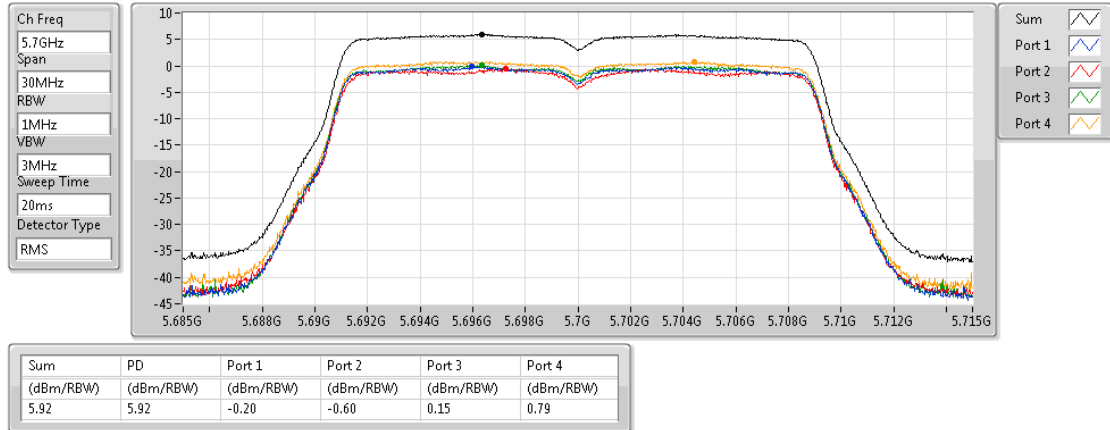
5580MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

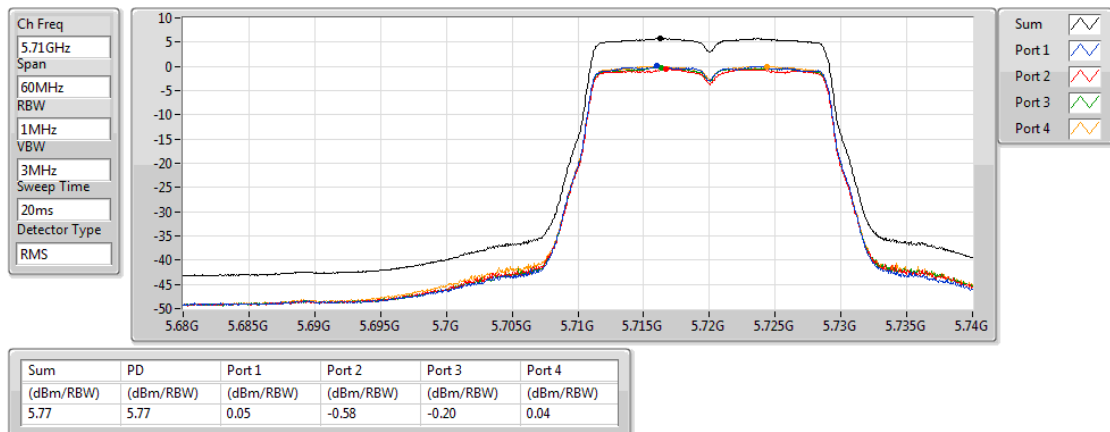
5700MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

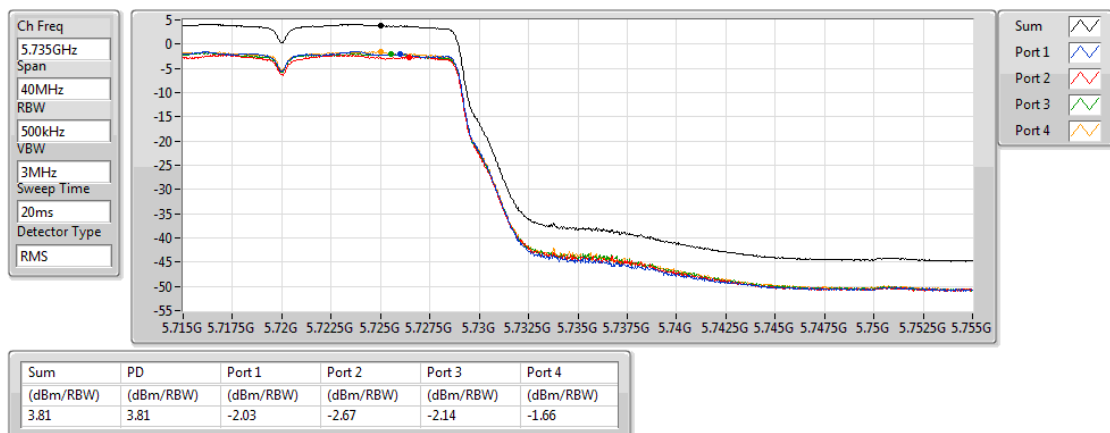
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

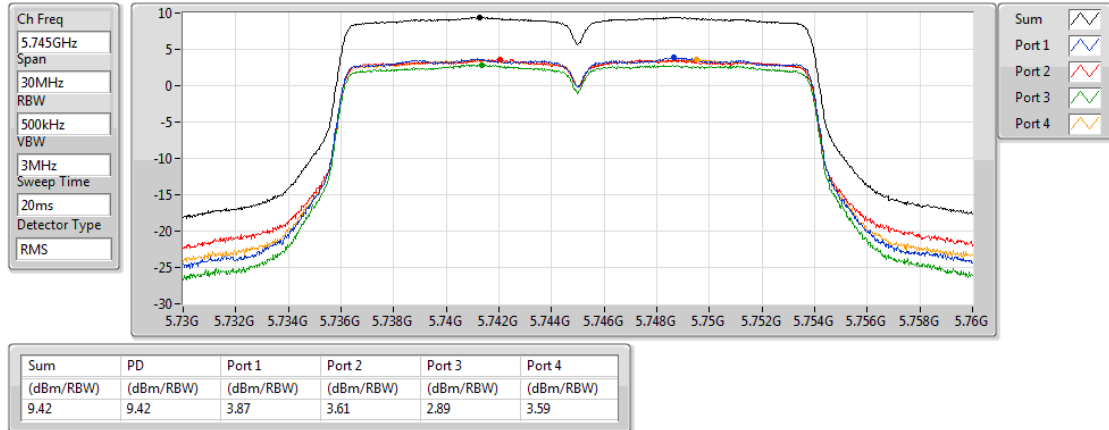
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

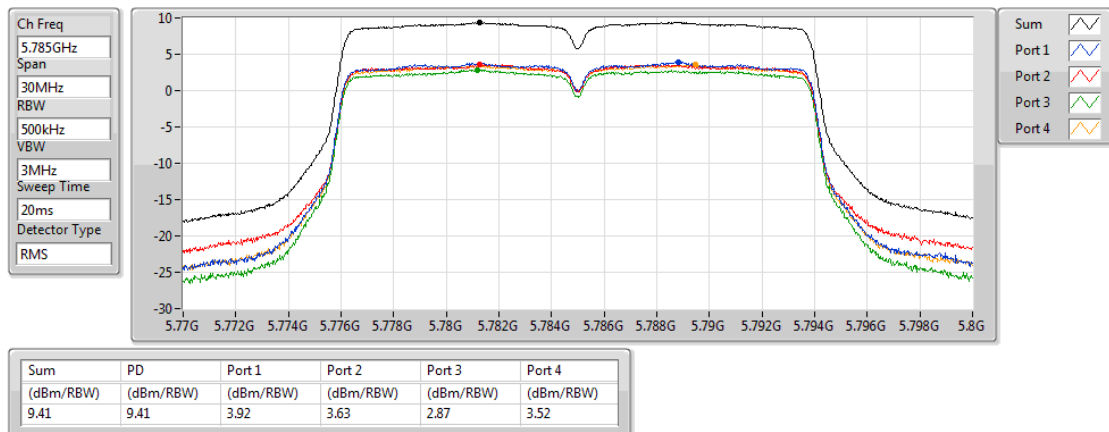
5745MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

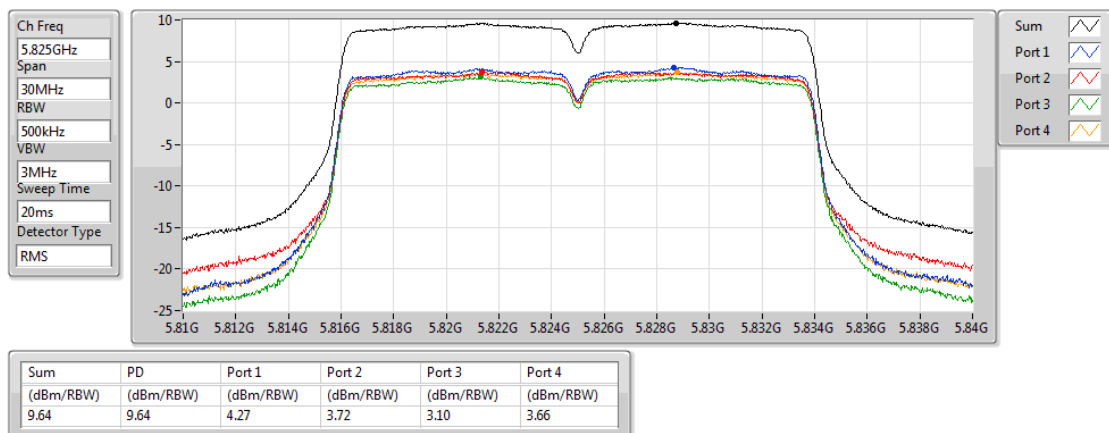
5785MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

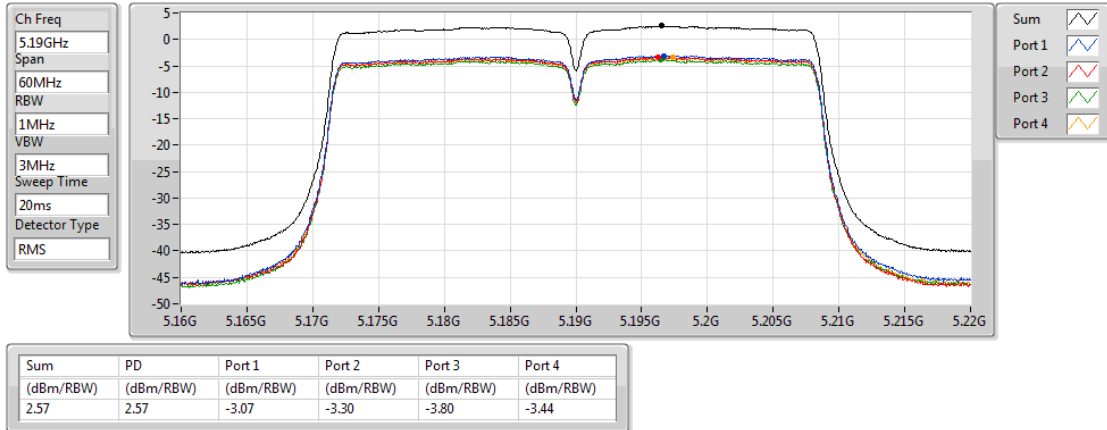
5825MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

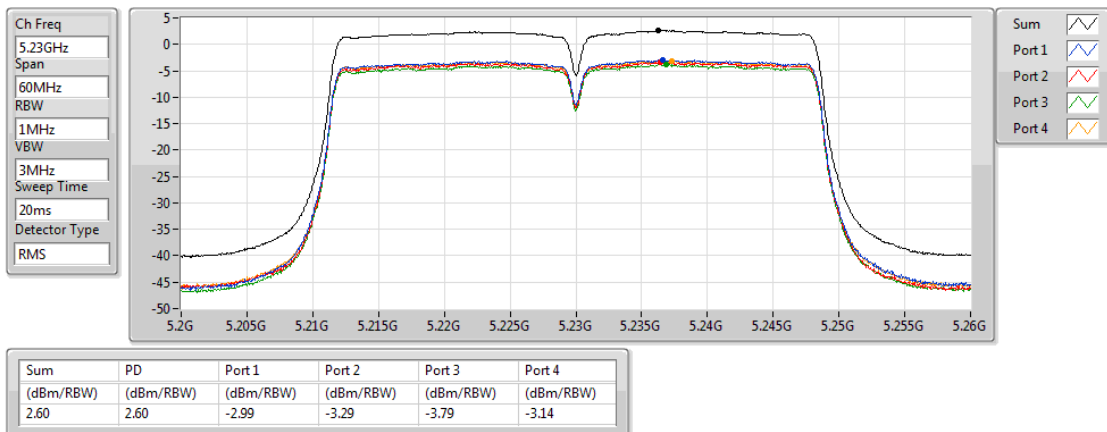
5190MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

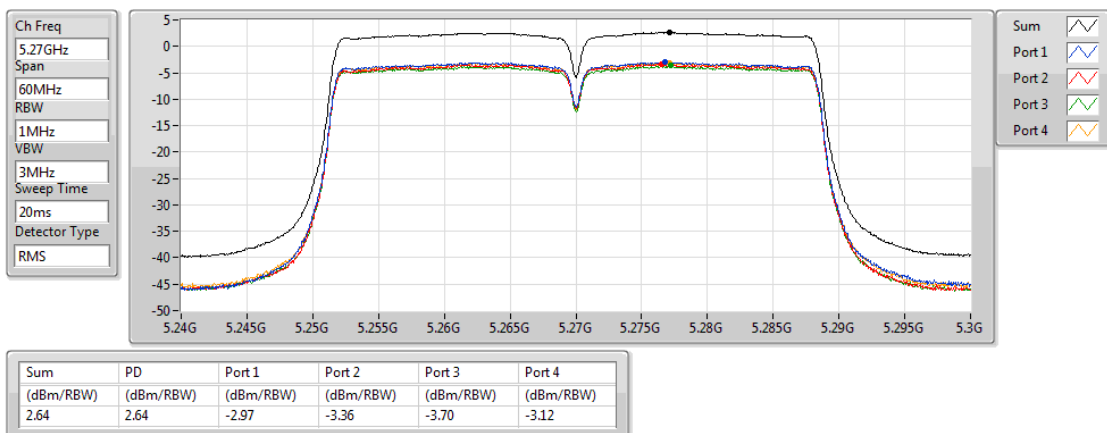
5230MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

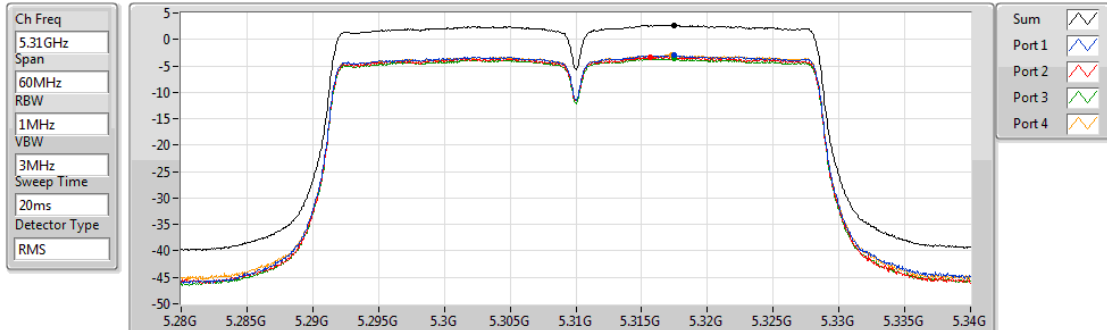
5270MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

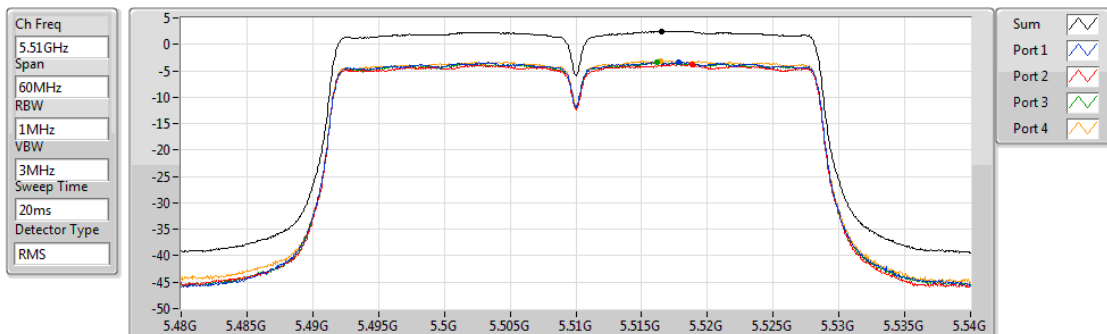


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.74	2.74	-3.01	-3.32	-3.66	-2.93

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

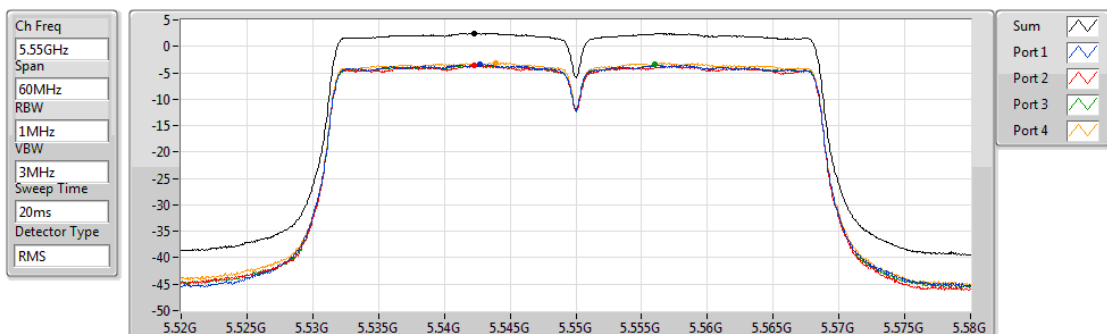


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.49	2.49	-3.34	-3.82	-3.39	-3.15

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

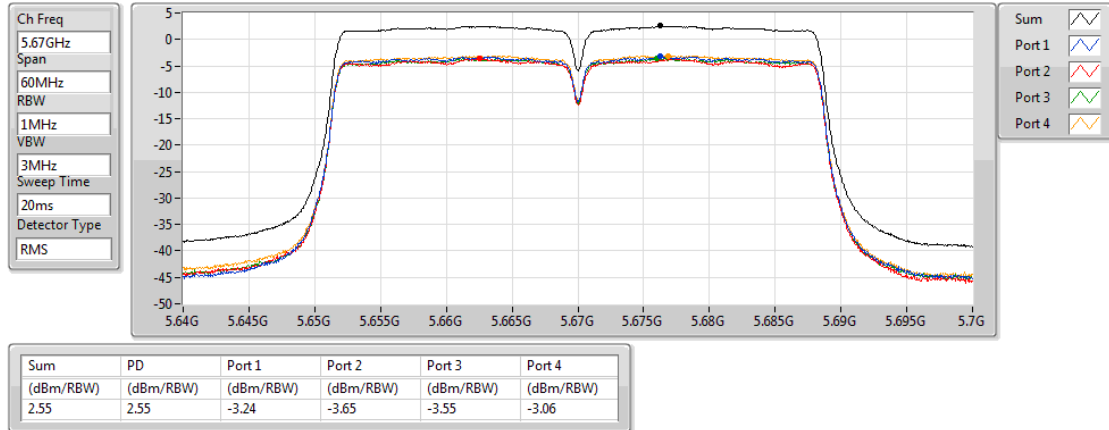


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.46	2.46	-3.43	-3.60	-3.43	-3.15

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

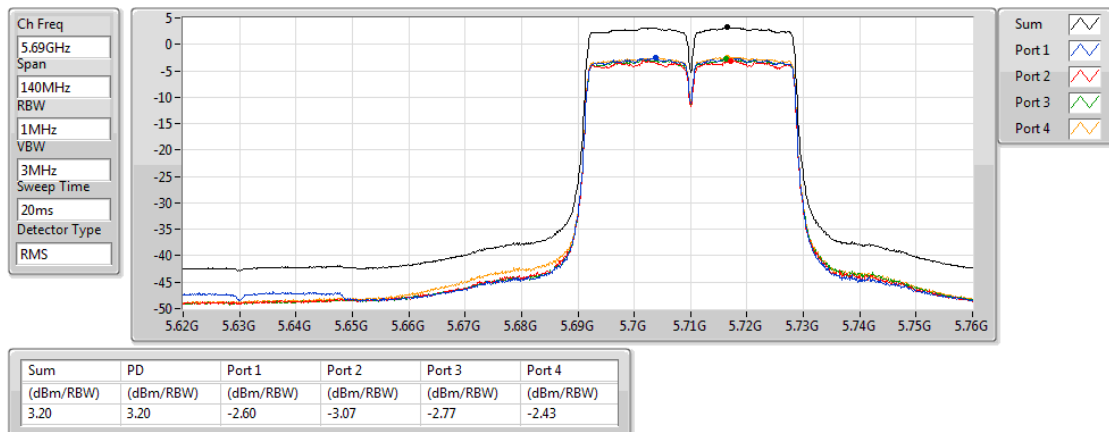
5670MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

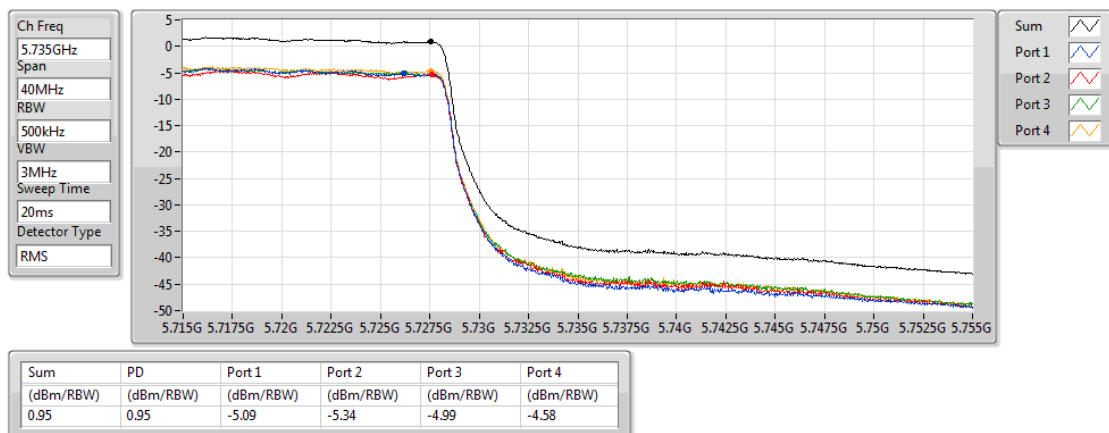
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

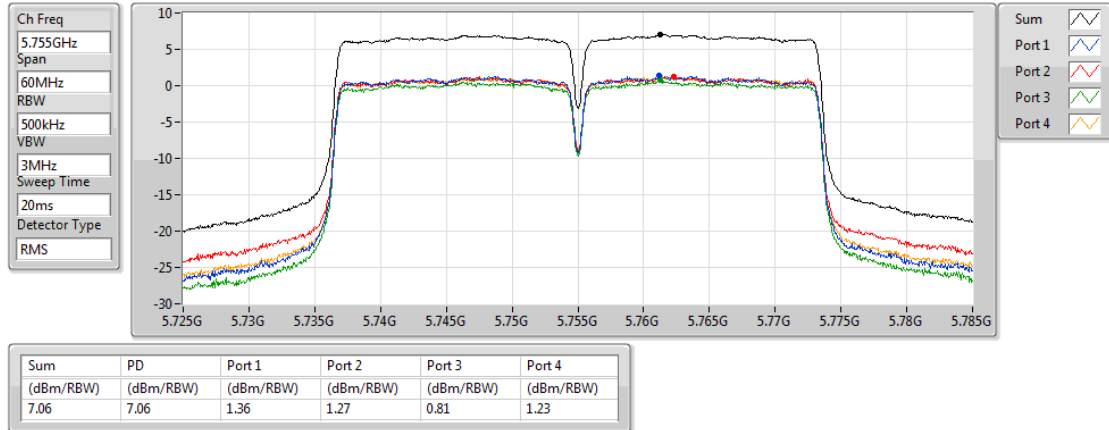
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

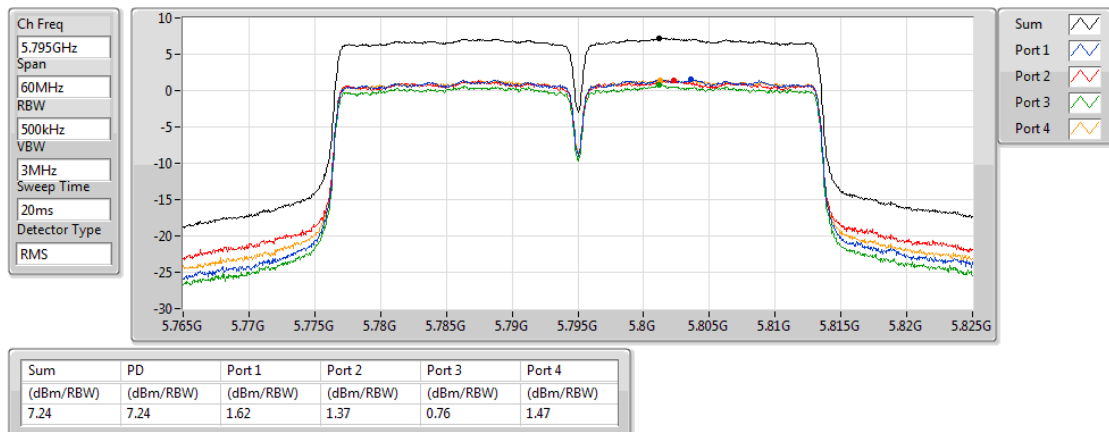
5755MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

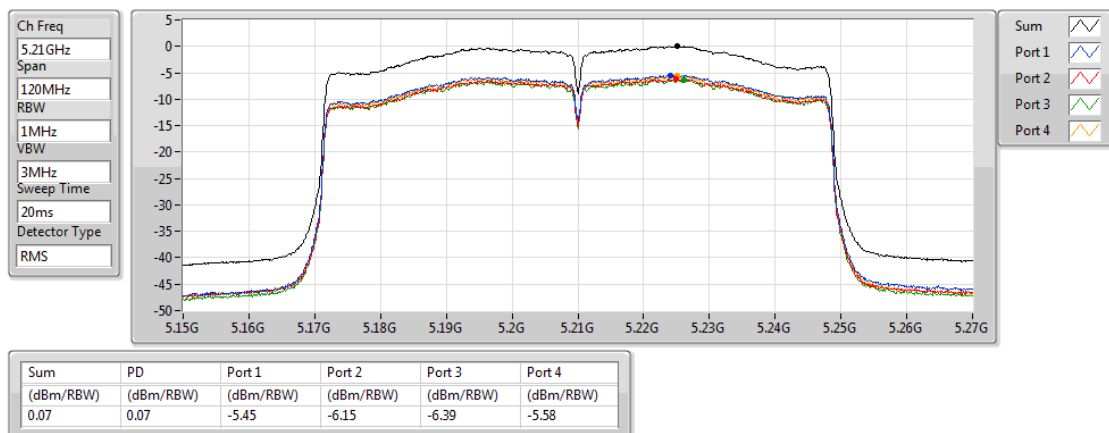
5795MHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

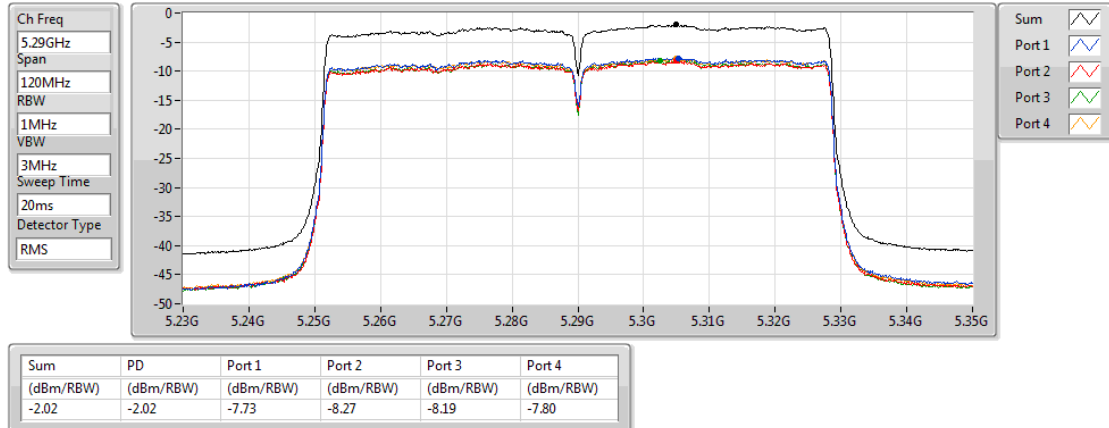
5210MHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

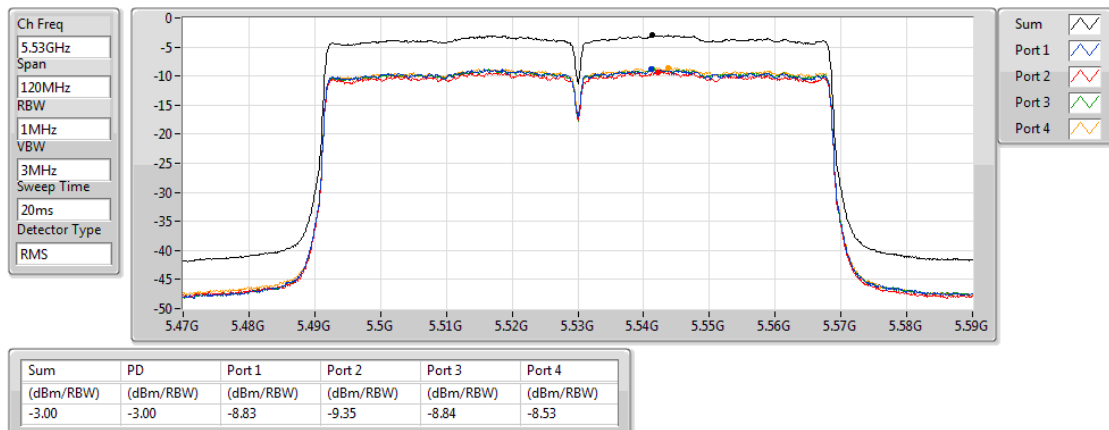
5290MHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

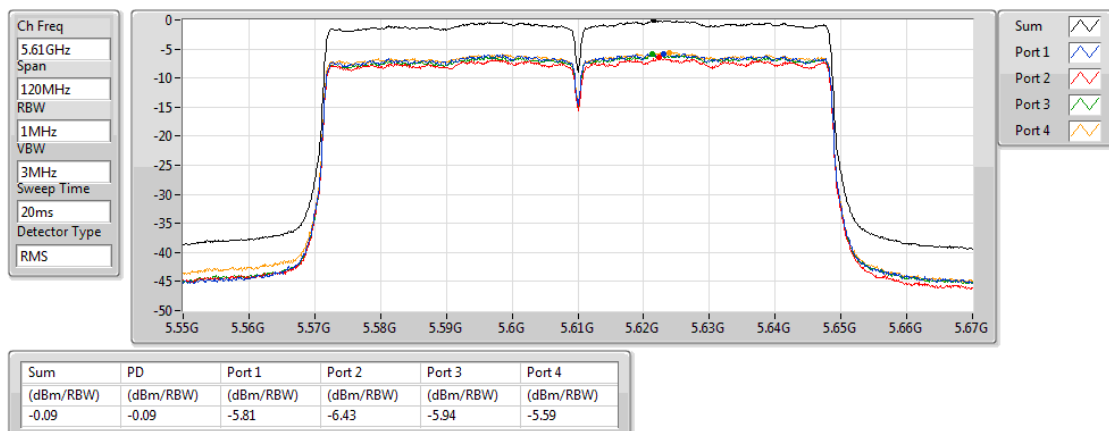
5530MHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

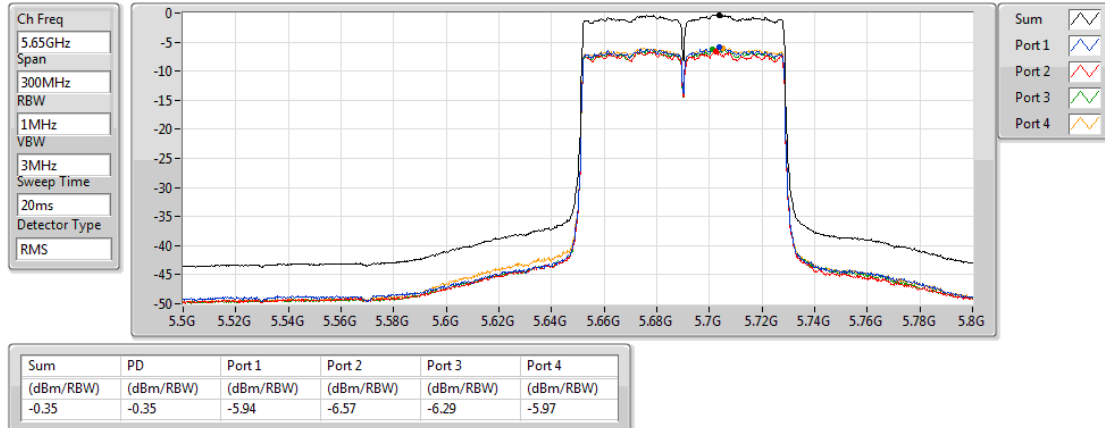
5610MHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

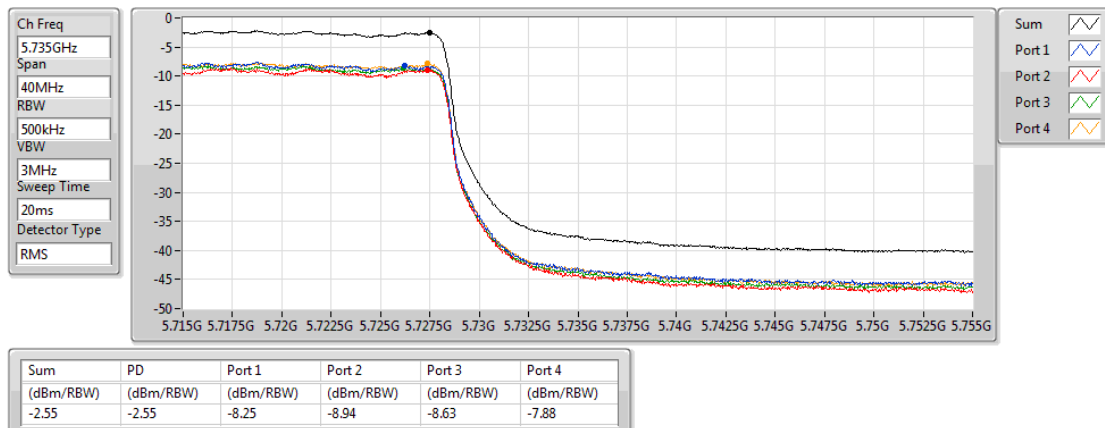
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

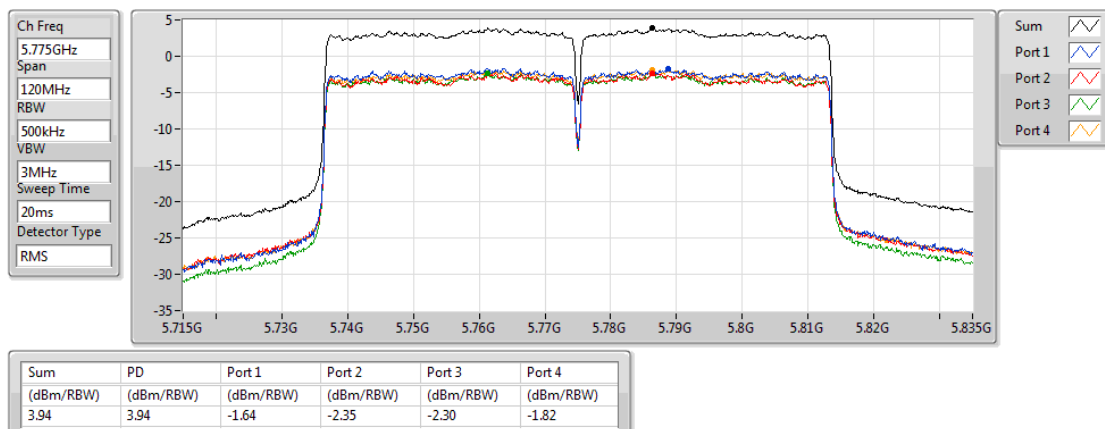
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz



For Mode 2 (Antenna Set 2 with Gray Cable):
Summary

Mode	PD (dBm/RBW)
802.11a_(6Mbps)_4TX	-
5.15-5.25GHz	8.67
5.25-5.35GHz	8.61
5.47-5.725GHz	8.63
5.725-5.85GHz	12.93
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	8.64
5.25-5.35GHz	8.66
5.47-5.725GHz	8.65
5.725-5.85GHz	13.03
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	7.83
5.25-5.35GHz	7.91
5.47-5.725GHz	7.95
5.725-5.85GHz	11.27
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	1.36
5.25-5.35GHz	-0.92
5.47-5.725GHz	4.75
5.725-5.85GHz	4.12
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	8.29
5.25-5.35GHz	8.24
5.47-5.725GHz	8.60
5.725-5.85GHz	12.79
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	5.71
5.25-5.35GHz	5.51
5.47-5.725GHz	5.82
5.725-5.85GHz	10.88
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	2.41
5.25-5.35GHz	-0.92
5.47-5.725GHz	2.44
5.725-5.85GHz	7.20

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.32	2.74	2.25	2.39	3.12	8.63	8.68
5200MHz	Pass	8.32	2.89	2.26	2.35	3.23	8.67	8.68
5240MHz	Pass	8.32	2.48	2.02	2.1	2.88	8.37	8.68
5260MHz	Pass	8.32	2.62	2.11	2.33	3.24	8.56	8.68
5300MHz	Pass	8.32	2.44	2.1	2.02	3.15	8.43	8.68
5320MHz	Pass	8.32	2.69	2.25	2.18	3.42	8.61	8.68
5500MHz	Pass	8.32	2.57	2.05	2.67	3.52	8.63	8.68
5580MHz	Pass	8.32	2.54	1.91	2.59	3.45	8.56	8.68
5700MHz	Pass	8.32	2.22	1.7	2.6	3.3	8.43	8.68
5720MHz Straddle 5.47-5.725GHz	Pass	8.32	2.23	1.81	2.76	3.49	8.57	8.68
5720MHz Straddle 5.725-5.85GHz	Pass	8.32	0.51	-0.26	0.66	1.2	6.57	27.68
5745MHz	Pass	8.32	6.98	6.83	7.15	7.62	12.93	27.68
5785MHz	Pass	8.32	6.49	6.52	6.79	7.39	12.72	27.68
5825MHz	Pass	8.32	6.57	6.45	6.72	7.34	12.62	27.68
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.32	2.88	2.25	2.15	3.20	8.56	8.68
5200MHz	Pass	8.32	2.92	2.24	2.28	3.25	8.64	8.68
5240MHz	Pass	8.32	2.93	2.29	2.29	3.16	8.64	8.68
5260MHz	Pass	8.32	2.76	2.25	2.21	3.06	8.52	8.68
5300MHz	Pass	8.32	2.75	2.37	2.00	3.07	8.47	8.68
5320MHz	Pass	8.32	2.89	2.35	2.27	3.21	8.66	8.68
5500MHz	Pass	8.32	2.63	2.16	2.67	3.36	8.65	8.68
5580MHz	Pass	8.32	2.46	2.04	2.63	3.14	8.51	8.68
5700MHz	Pass	8.32	2.30	1.90	2.74	3.27	8.49	8.68
5720MHz Straddle 5.47-5.725GHz	Pass	8.32	2.25	1.88	2.73	3.11	8.47	8.68
5720MHz Straddle 5.725-5.85GHz	Pass	8.32	0.19	-0.36	0.77	1.41	6.51	27.68
5745MHz	Pass	8.32	6.94	6.71	6.97	7.34	13.03	27.68
5785MHz	Pass	8.32	6.41	6.41	6.55	7.13	12.48	27.68
5825MHz	Pass	8.32	6.31	6.43	6.44	6.98	12.34	27.68
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.32	-0.75	-1.30	-1.22	-0.42	5.03	8.68
5230MHz	Pass	8.32	2.11	1.61	1.43	2.36	7.83	8.68
5270MHz	Pass	8.32	2.08	1.81	1.63	2.37	7.91	8.68
5310MHz	Pass	8.32	-0.47	-1.01	-1.09	-0.05	5.30	8.68
5510MHz	Pass	8.32	-1.25	-1.83	-1.16	-0.65	4.69	8.68
5550MHz	Pass	8.32	1.56	1.32	1.88	2.30	7.66	8.68
5670MHz	Pass	8.32	1.50	0.95	1.67	2.35	7.56	8.68
5710MHz Straddle 5.47-5.725GHz	Pass	8.32	2.01	1.30	2.28	2.54	7.95	8.68
5710MHz Straddle 5.725-5.85GHz	Pass	8.32	-0.59	-1.20	-0.24	0.29	5.48	27.68
5755MHz	Pass	8.32	5.44	4.90	5.38	5.60	11.27	27.68
5795MHz	Pass	8.32	5.00	4.65	5.23	5.35	10.97	27.68
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.32	-4.46	-4.79	-5.27	-3.90	1.36	8.68

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5290MHz	Pass	8.32	-6.66	-6.94	-7.68	-6.28	-0.92	8.68
5530MHz	Pass	8.32	-6.11	-6.52	-6.20	-5.45	-0.21	8.68
5610MHz	Pass	8.32	-1.23	-1.69	-1.22	-0.36	4.75	8.68
5690MHz Straddle 5.47-5.725GHz	Pass	8.32	-1.17	-1.68	-1.23	-0.23	4.73	8.68
5690MHz Straddle 5.725-5.85GHz	Pass	8.32	-3.82	-4.38	-4.06	-2.84	2.18	27.68
5775MHz	Pass	8.32	-1.73	-2.08	-2.10	-1.29	4.12	27.68
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.32	2.85	2.06	1.66	2.54	8.21	8.68
5200MHz	Pass	8.32	2.89	2.10	1.69	2.65	8.29	8.68
5240MHz	Pass	8.32	2.71	1.78	1.55	2.61	8.11	8.68
5260MHz	Pass	8.32	2.61	1.94	1.58	2.71	8.16	8.68
5300MHz	Pass	8.32	2.61	2.06	1.71	2.72	8.24	8.68
5320MHz	Pass	8.32	2.59	1.88	1.53	2.61	8.13	8.68
5500MHz	Pass	8.32	2.43	1.70	2.02	2.73	8.16	8.68
5580MHz	Pass	8.32	2.75	1.90	2.28	3.03	8.39	8.68
5700MHz	Pass	8.32	2.87	1.82	2.28	3.01	8.36	8.68
5720MHz Straddle 5.47-5.725GHz	Pass	8.32	2.90	2.02	2.57	3.02	8.60	8.68
5720MHz Straddle 5.725-5.85GHz	Pass	8.32	1.00	0.20	0.73	1.25	6.67	27.68
5745MHz	Pass	8.32	7.24	6.70	6.76	6.79	12.79	27.68
5785MHz	Pass	8.32	7.13	6.62	6.65	6.76	12.71	27.68
5825MHz	Pass	8.32	6.98	6.15	6.52	6.55	12.44	27.68
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.32	-1.01	-1.44	-1.87	-1.33	4.51	8.68
5230MHz	Pass	8.32	0.06	-0.47	-0.74	0.23	5.71	8.68
5270MHz	Pass	8.32	-0.20	-0.49	-0.99	-0.05	5.51	8.68
5310MHz	Pass	8.32	-1.69	-1.89	-2.36	-1.21	4.17	8.68
5510MHz	Pass	8.32	-0.83	-1.42	-1.01	-0.36	4.97	8.68
5550MHz	Pass	8.32	-0.48	-0.65	-0.45	-0.23	5.45	8.68
5670MHz	Pass	8.32	0.07	-0.50	-0.16	0.46	5.82	8.68
5710MHz Straddle 5.47-5.725GHz	Pass	8.32	-0.12	-0.67	-0.36	0.12	5.71	8.68
5710MHz Straddle 5.725-5.85GHz	Pass	8.32	-2.53	-2.97	-2.57	-2.19	3.32	27.68
5755MHz	Pass	8.32	5.18	5.05	4.50	5.03	10.88	27.68
5795MHz	Pass	8.32	5.24	4.93	4.36	5.02	10.80	27.68
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.32	-3.17	-3.70	-3.92	-3.42	2.41	8.68
5290MHz	Pass	8.32	-6.66	-6.94	-7.68	-6.28	-0.92	8.68
5530MHz	Pass	8.32	-6.48	-6.89	-6.37	-6.25	-0.66	8.68
5610MHz	Pass	8.32	-3.14	-4.13	-3.56	-3.06	2.41	8.68
5690MHz Straddle 5.47-5.725GHz	Pass	8.32	-3.25	-3.78	-3.64	-3.28	2.44	8.68
5690MHz Straddle 5.725-5.85GHz	Pass	8.32	-5.70	-6.15	-5.85	-5.25	0.18	27.68
5775MHz	Pass	8.32	1.65	0.92	1.01	1.68	7.20	27.68

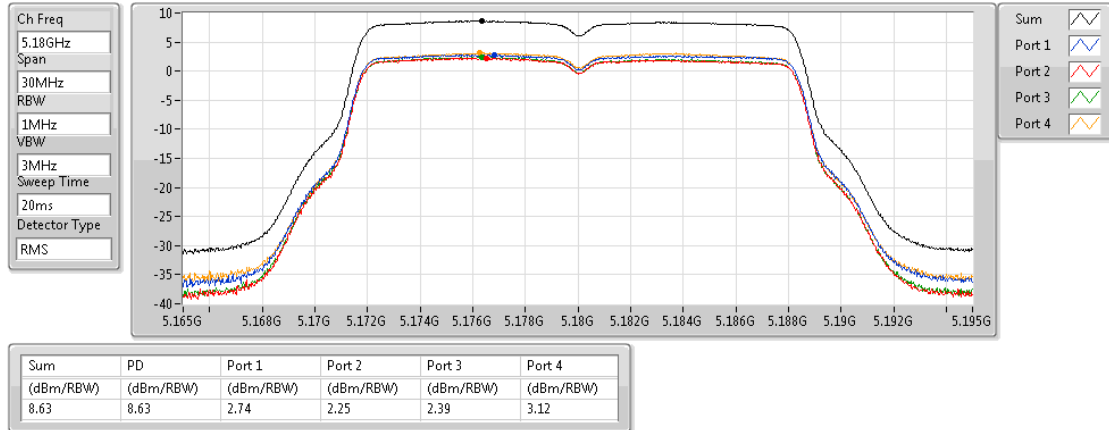
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_(6Mbps)_4TX

PSD

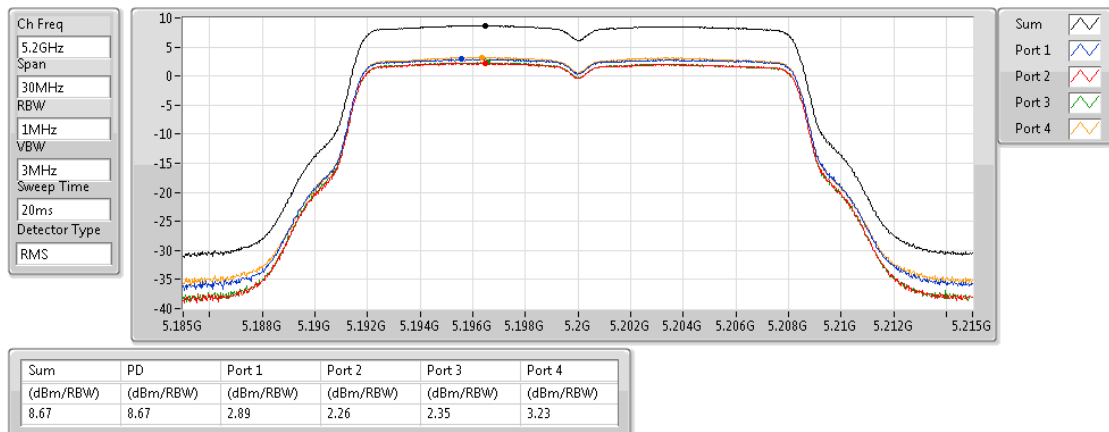
5180MHz



802.11a_(6Mbps)_4TX

PSD

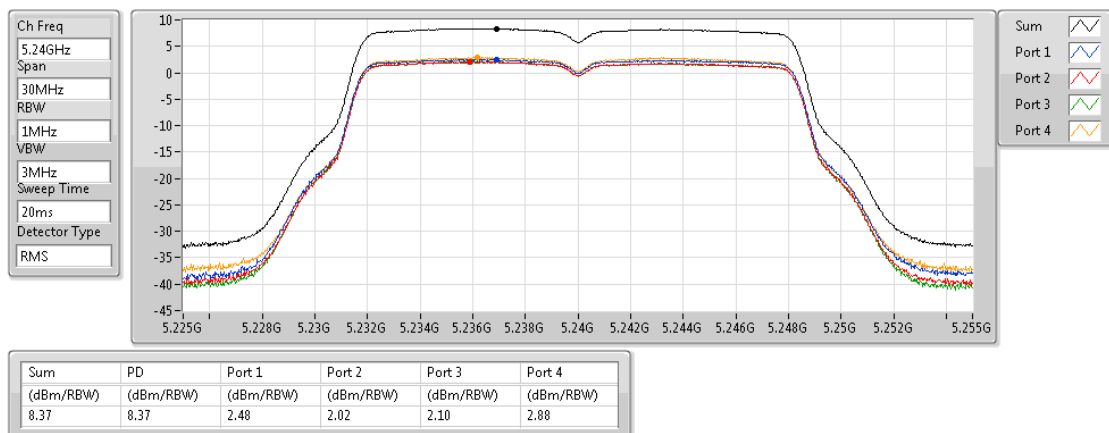
5200MHz



802.11a_(6Mbps)_4TX

PSD

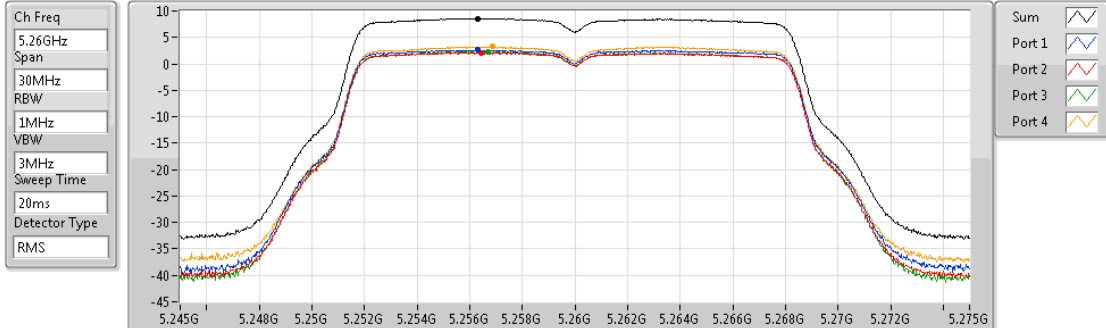
5240MHz



802.11a_(6Mbps)_4TX

PSD

5260MHz

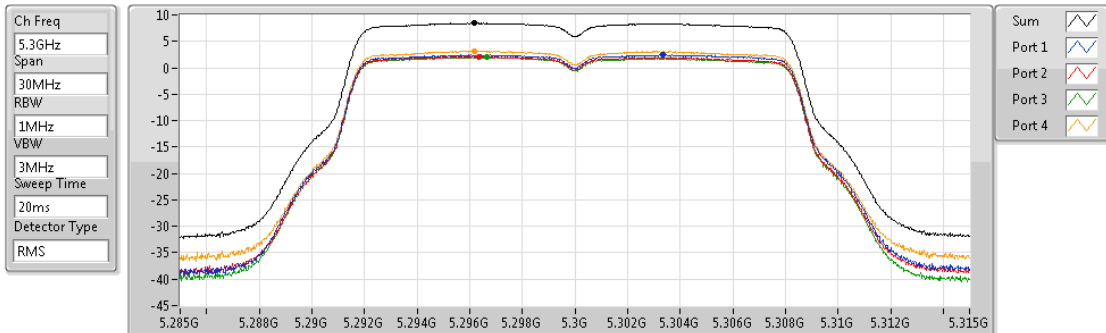


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.56	8.56	2.62	2.11	2.33	3.24

802.11a_(6Mbps)_4TX

PSD

5300MHz

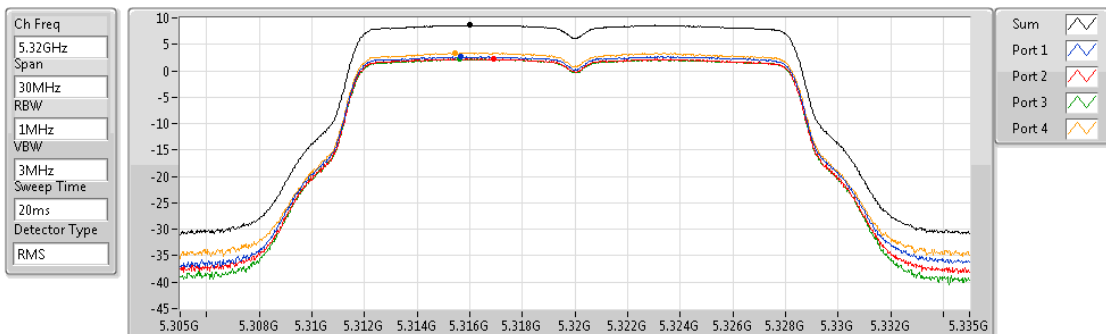


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.43	8.43	2.44	2.10	2.02	3.15

802.11a_(6Mbps)_4TX

PSD

5320MHz

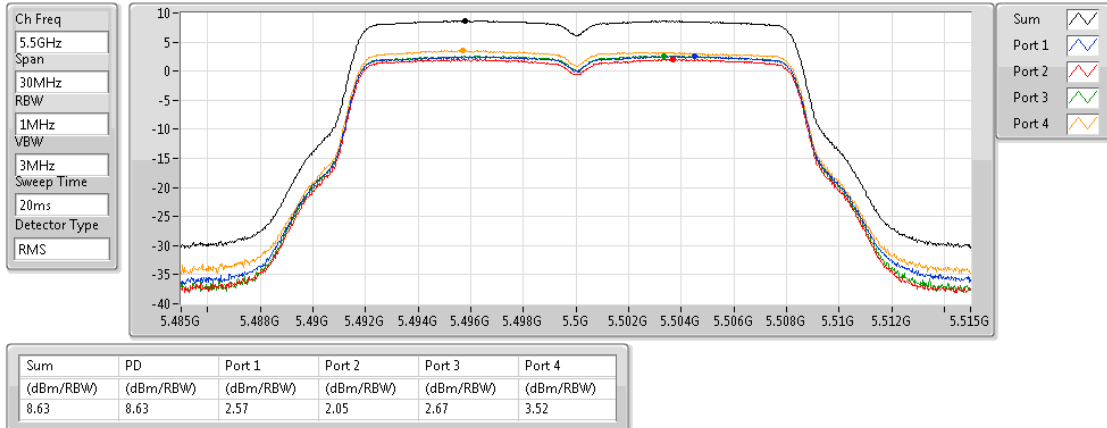


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.61	8.61	2.69	2.25	2.18	3.42

802.11a_(6Mbps)_4TX

PSD

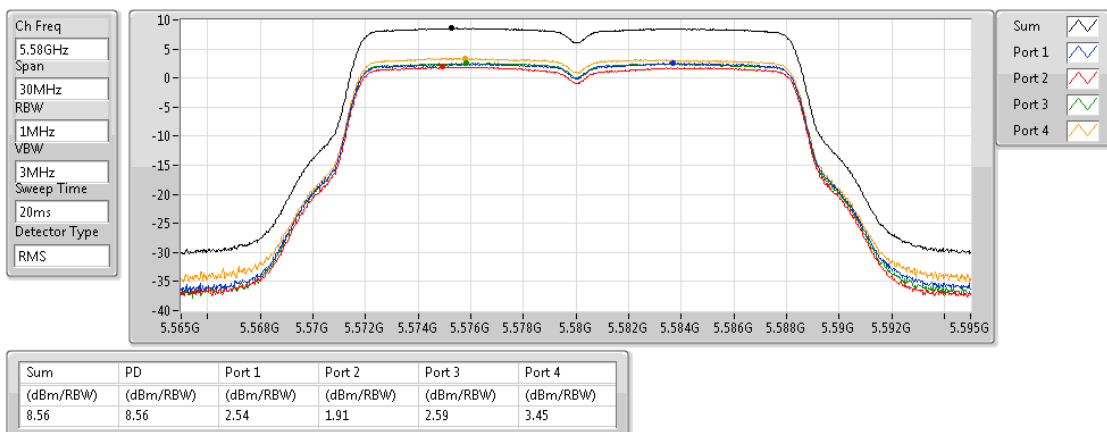
5500MHz



802.11a_(6Mbps)_4TX

PSD

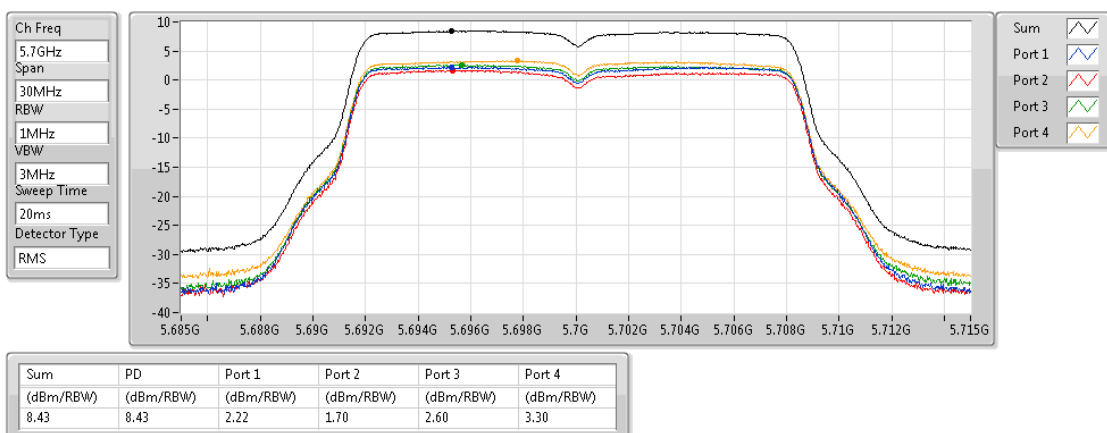
5580MHz



802.11a_(6Mbps)_4TX

PSD

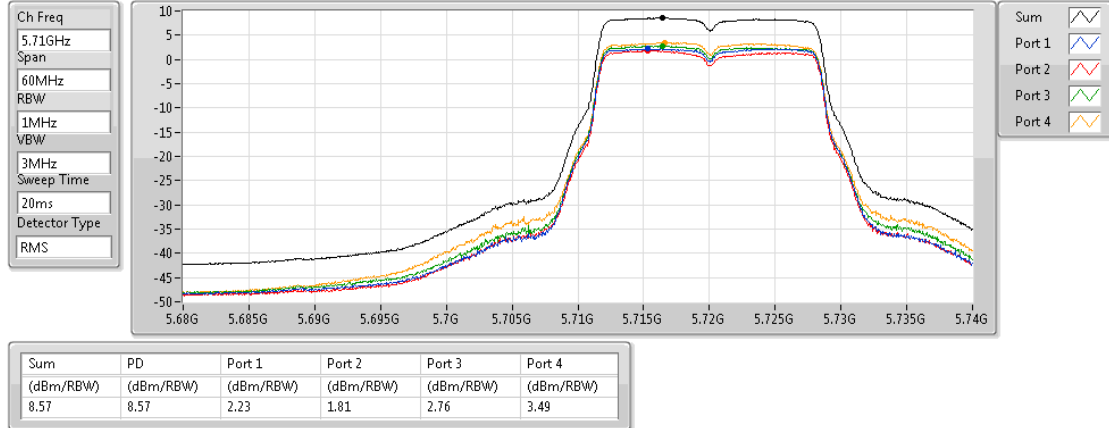
5700MHz



802.11a_(6Mbps)_4TX

PSD

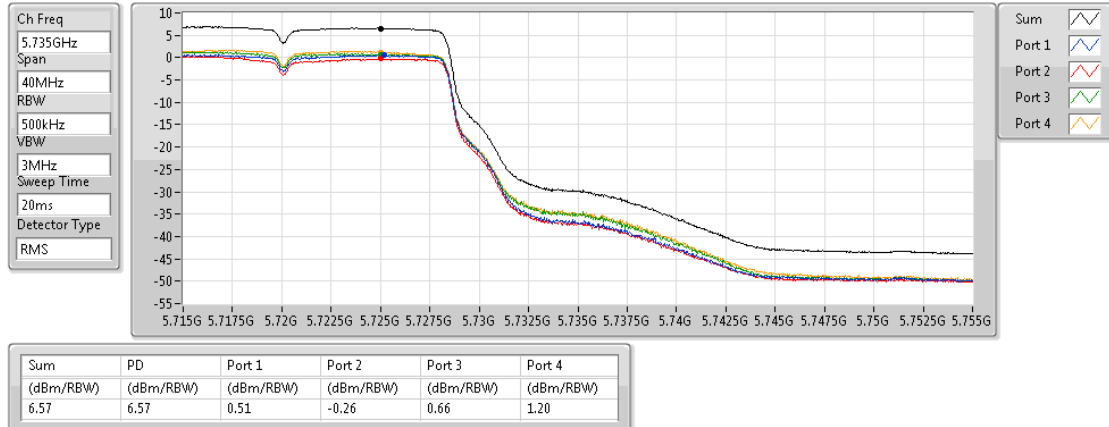
5720MHz Straddle 5.47-5.725GHz



802.11a_(6Mbps)_4TX

PSD

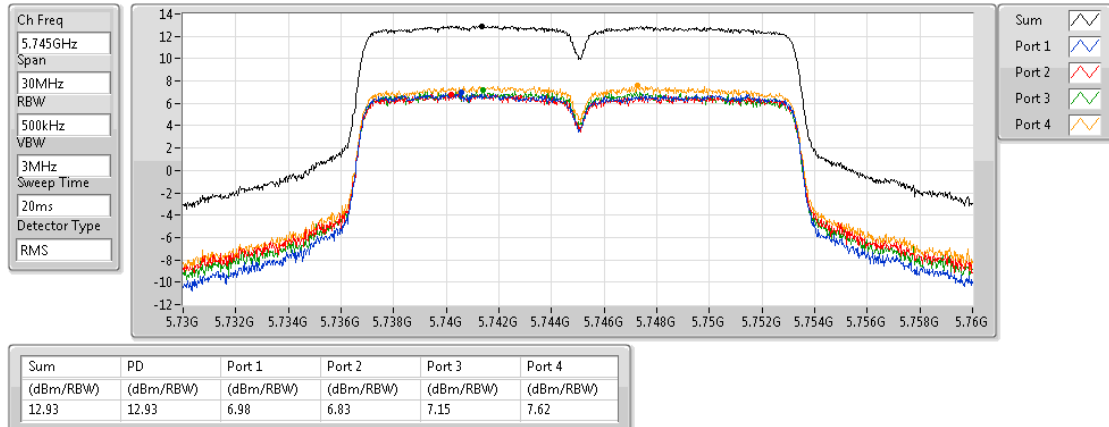
5720MHz Straddle 5.725-5.85GHz



802.11a_(6Mbps)_4TX

PSD

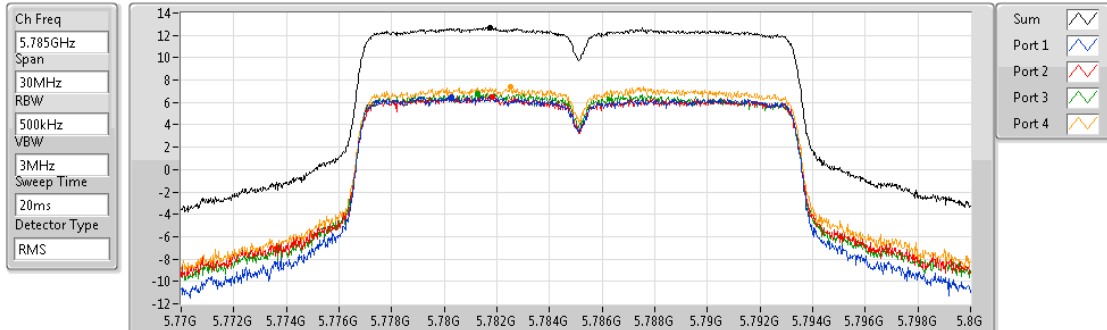
5745MHz



802.11a_(6Mbps)_4TX

PSD

5785MHz

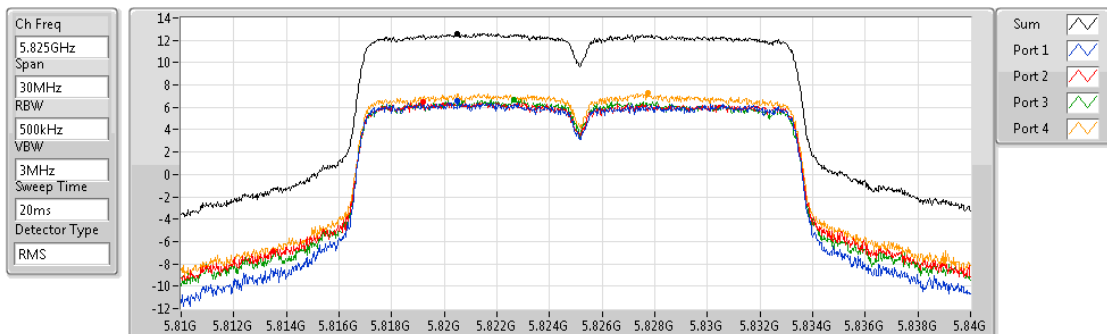


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.72	12.72	6.49	6.52	6.79	7.39

802.11a_(6Mbps)_4TX

PSD

5825MHz

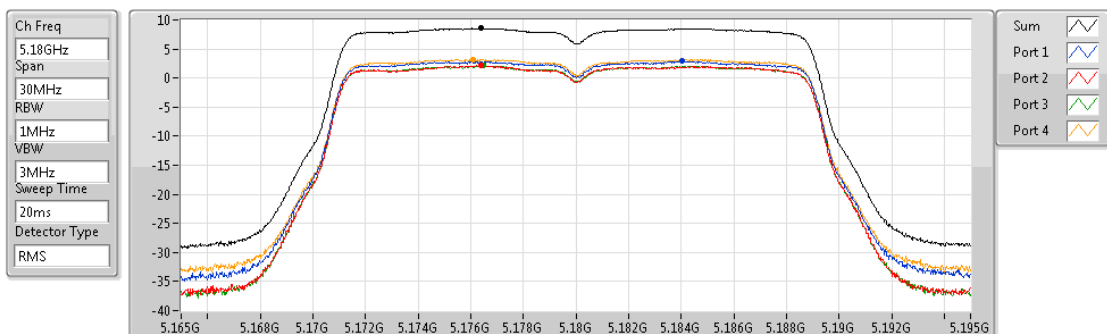


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.62	12.62	6.57	6.45	6.72	7.34

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5180MHz

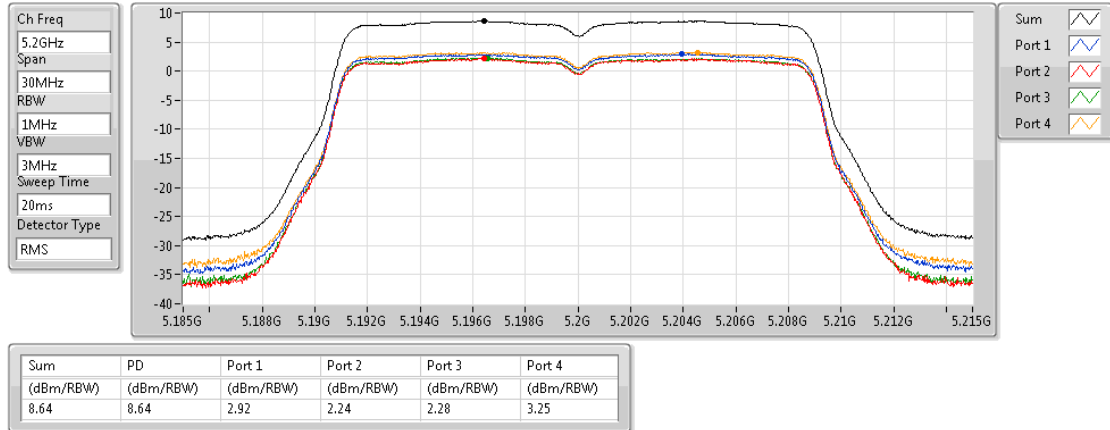


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.56	8.56	2.88	2.25	2.15	3.20

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

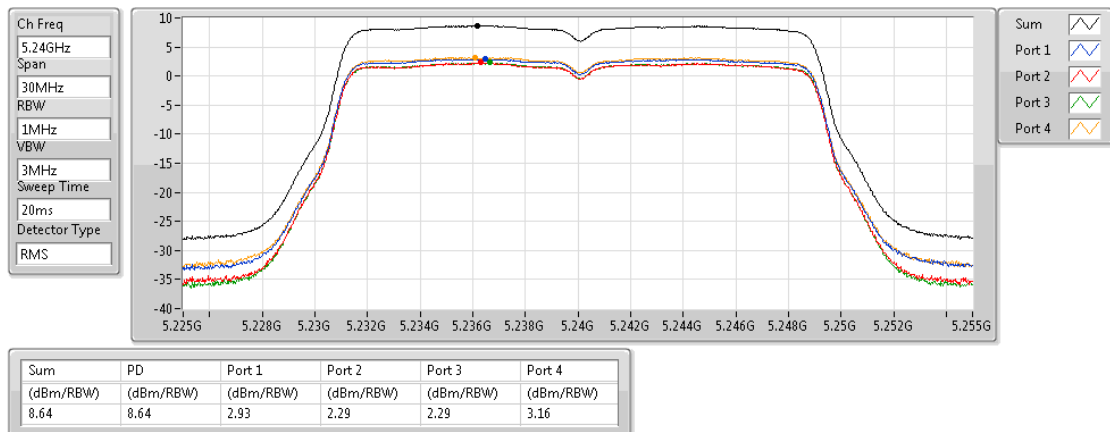
5200MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

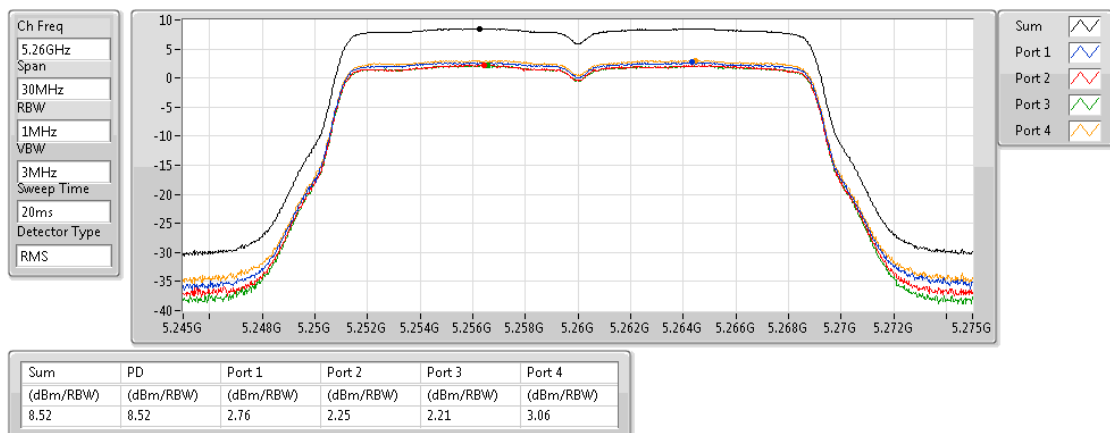
5240MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

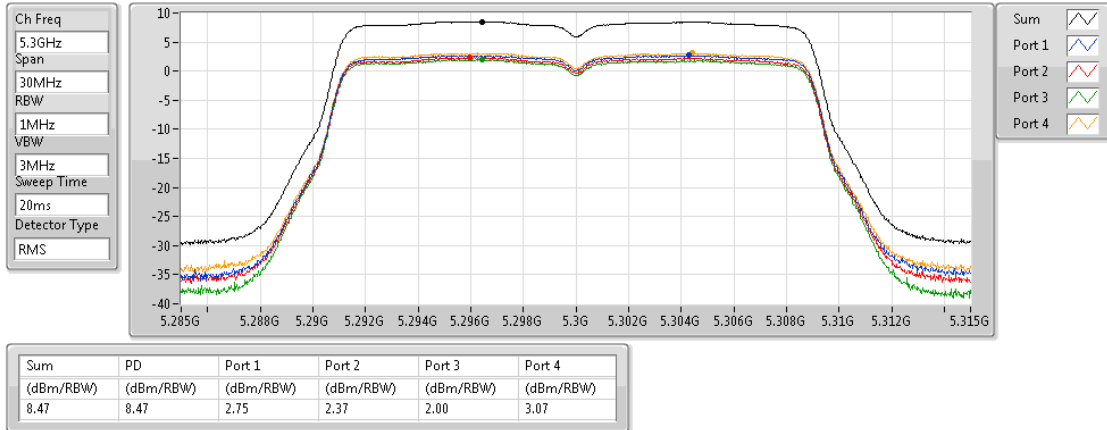
5260MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

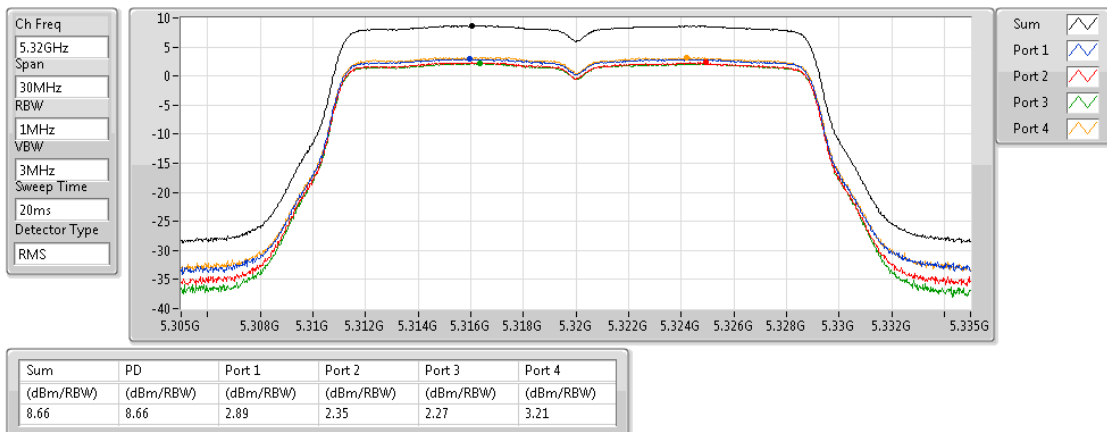
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802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

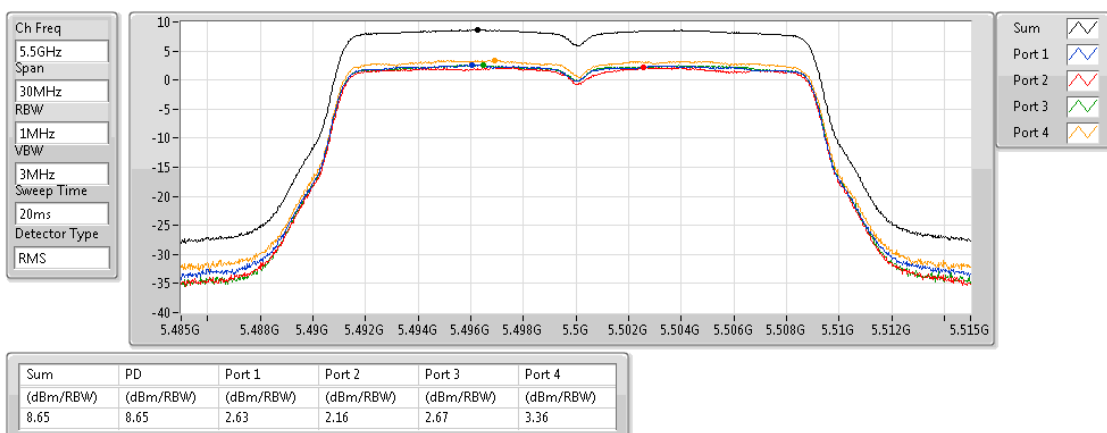
5320MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

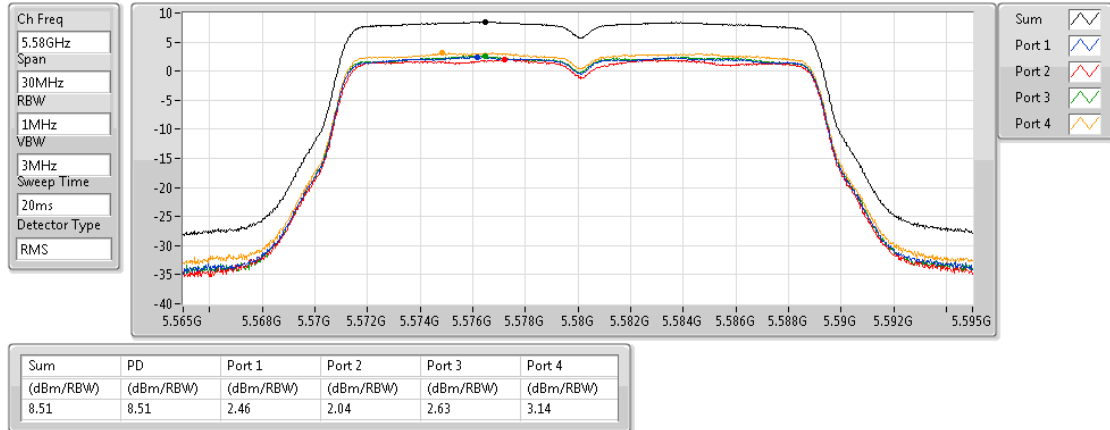
5500MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

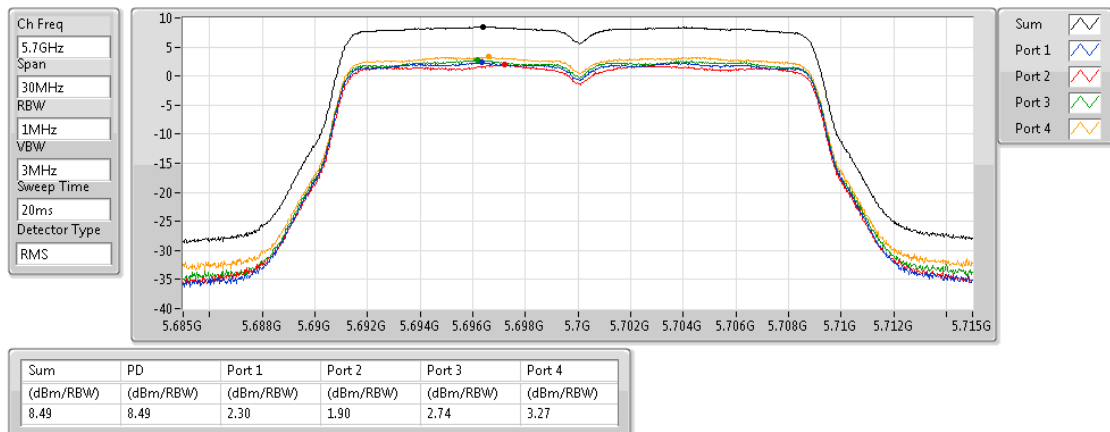
5580MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

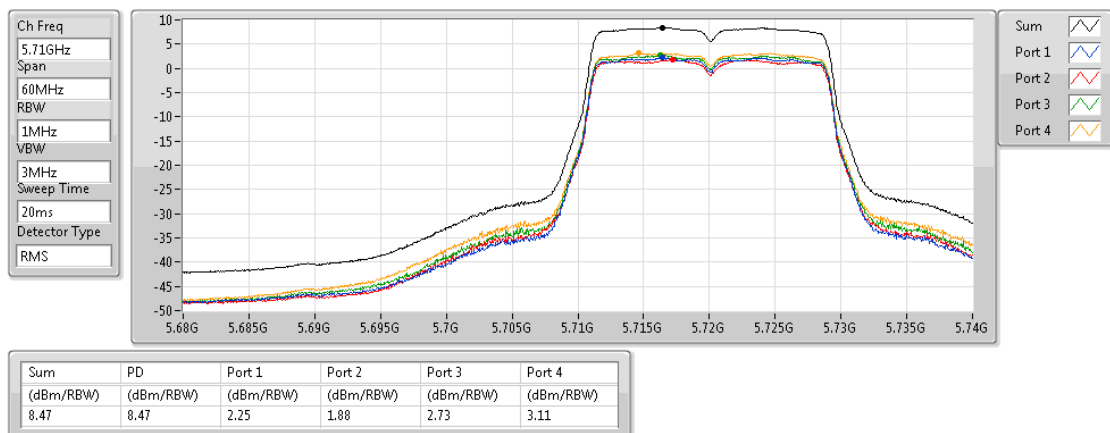
5700MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

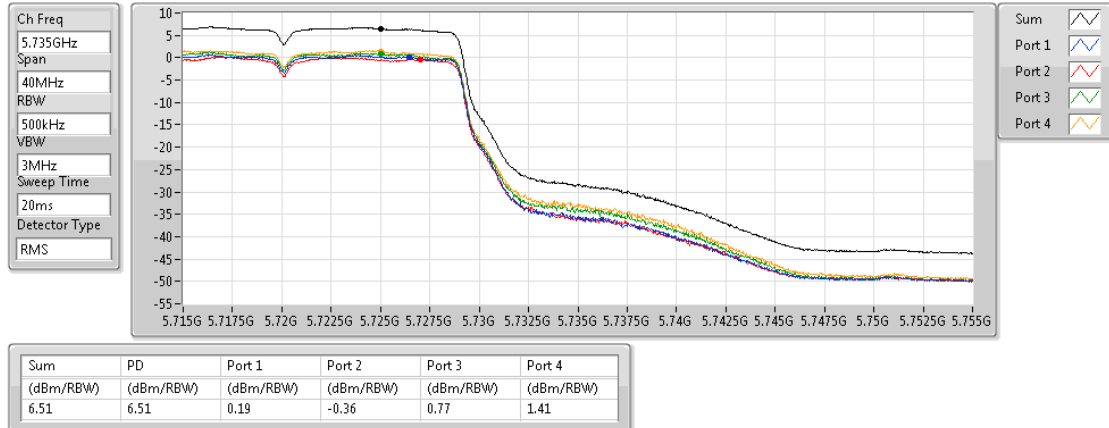
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

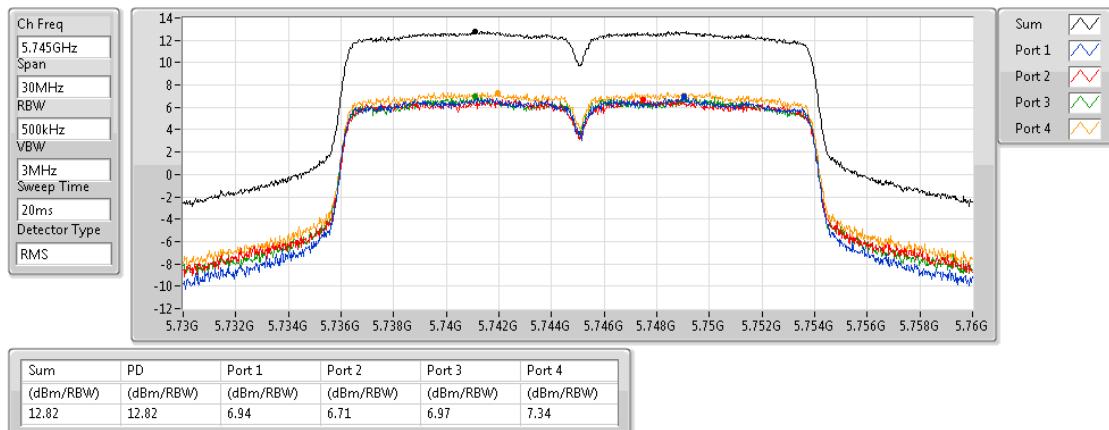
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

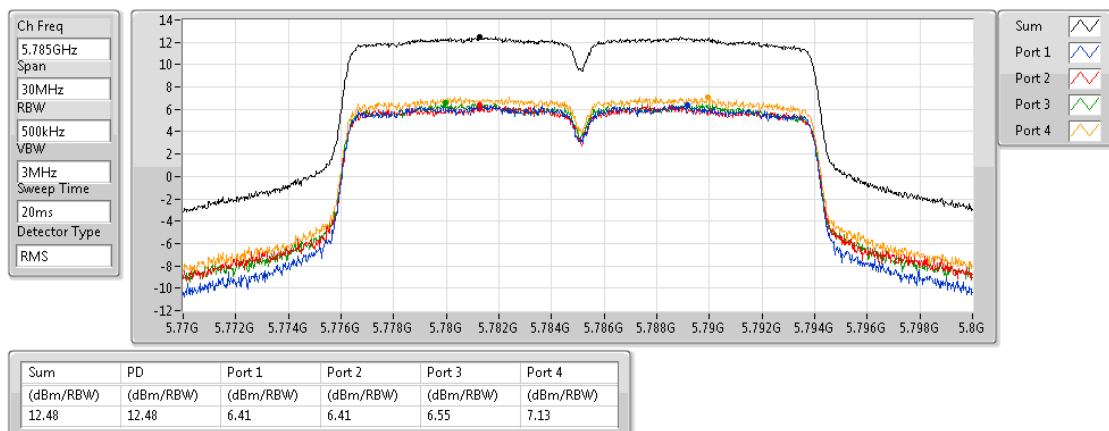
5745MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

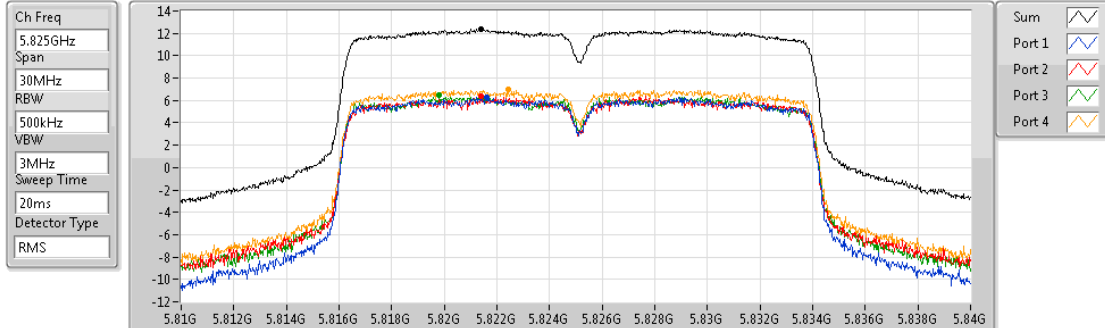
5785MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5825MHz

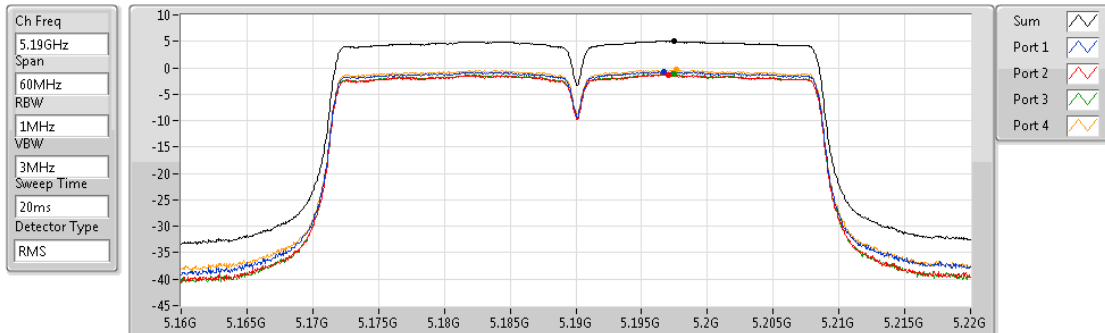


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.34	12.34	6.31	6.43	6.44	6.98

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5190MHz

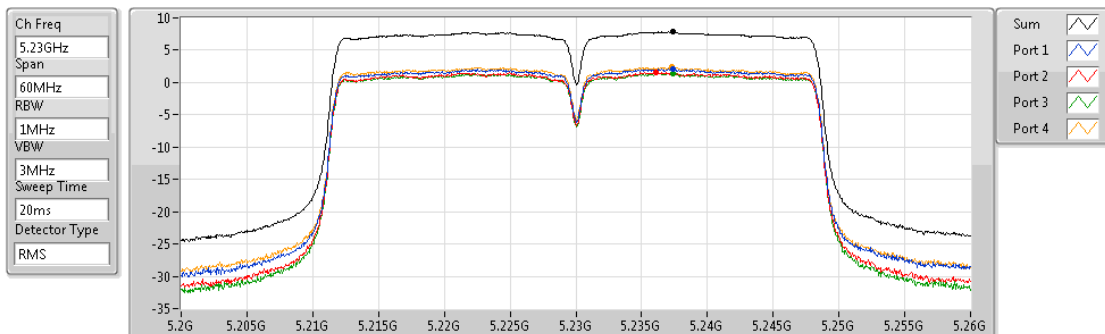


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.03	5.03	-0.75	-1.30	-1.22	-0.42

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5230MHz

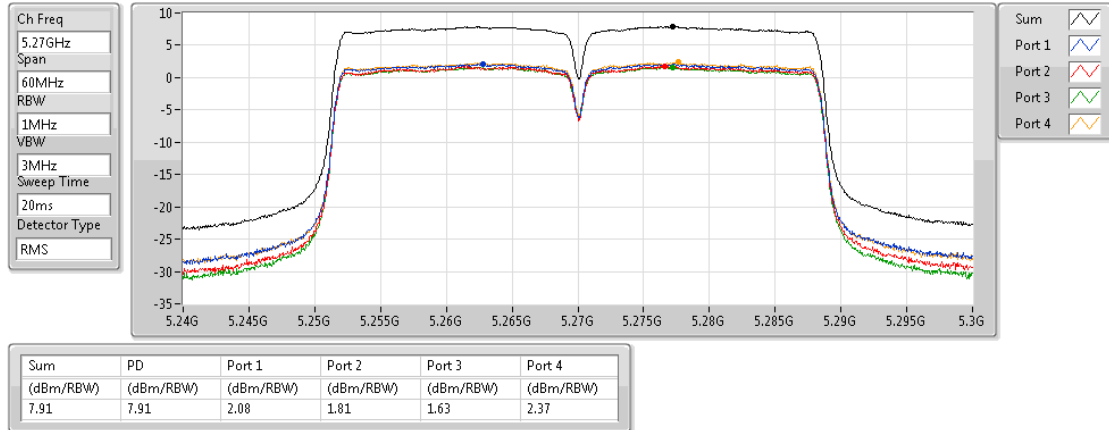


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.83	7.83	2.11	1.61	1.43	2.36

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

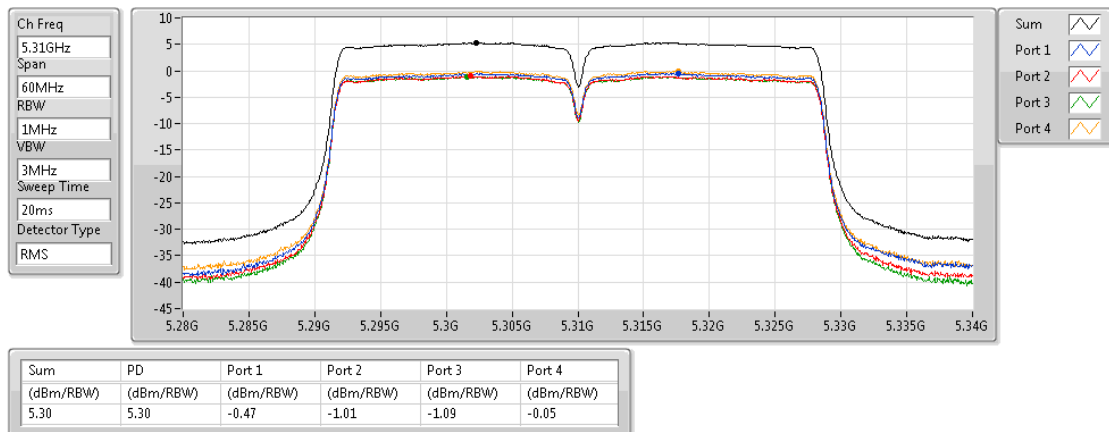
5270MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

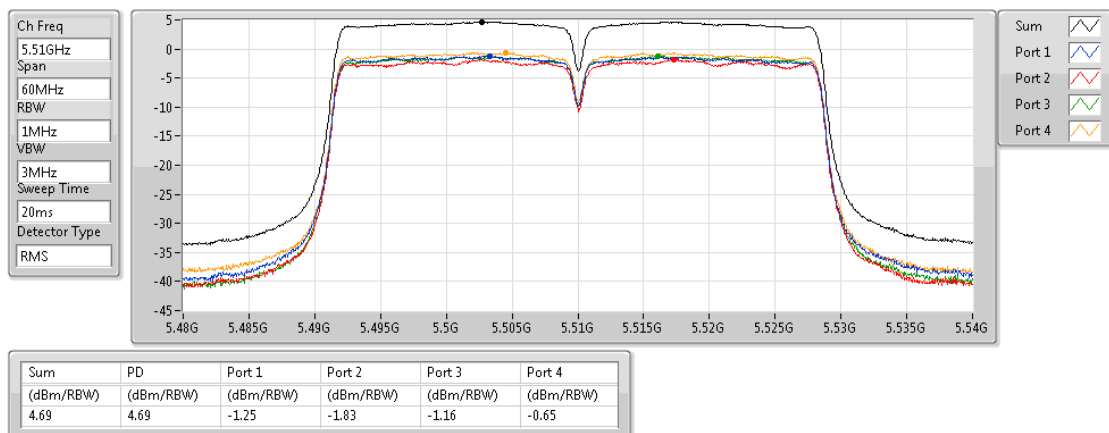
5310MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

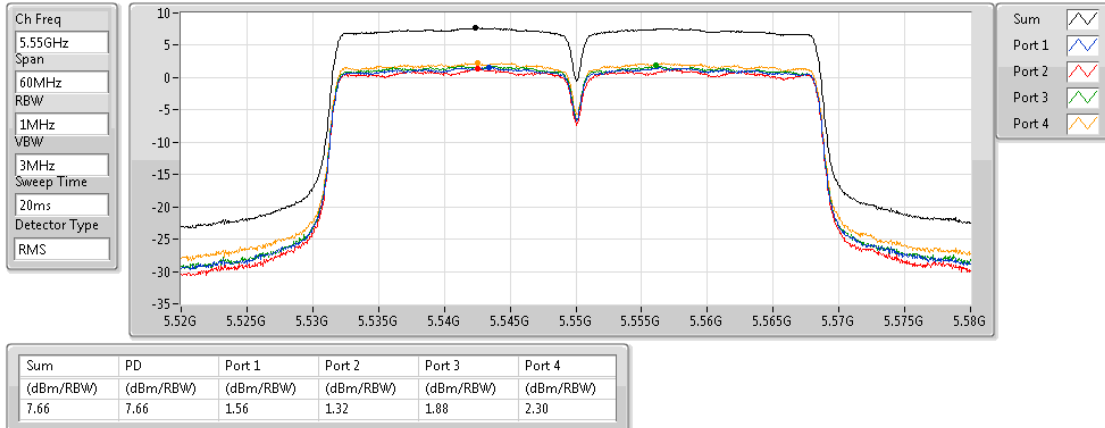
5510MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

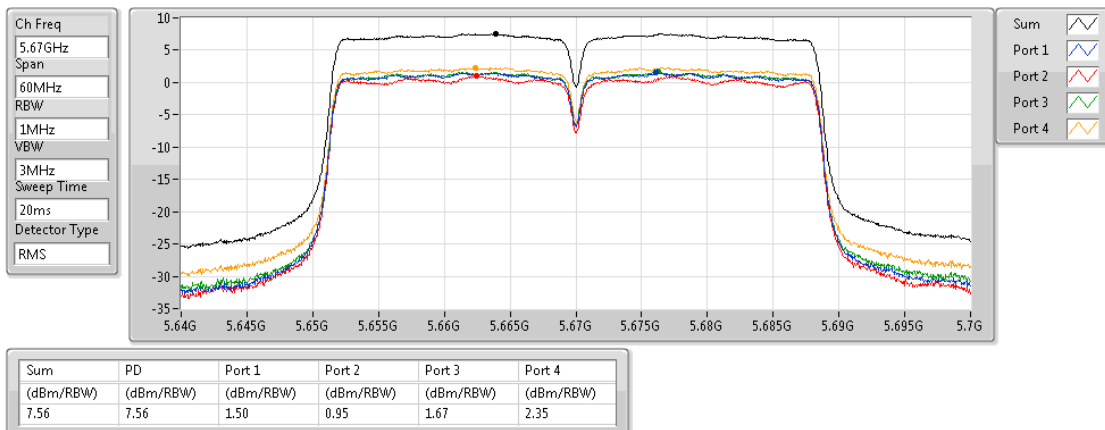
5550MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

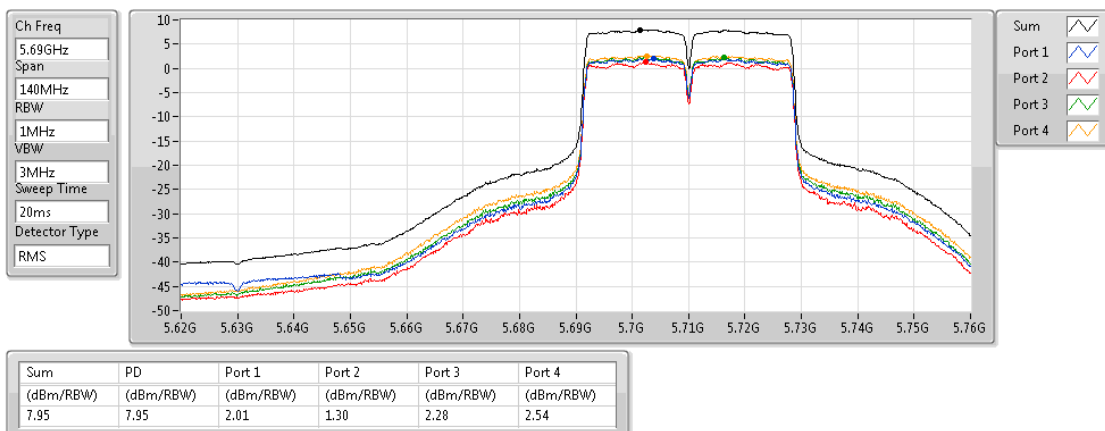
5670MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

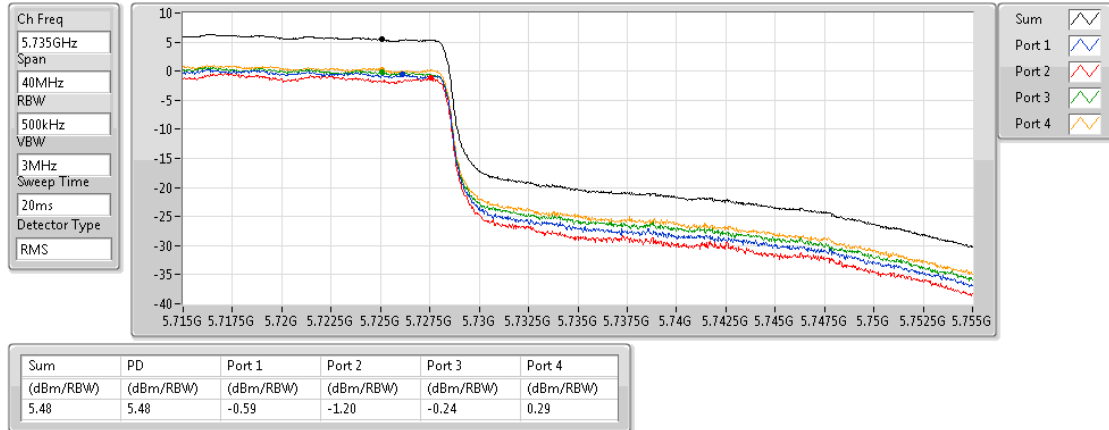
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

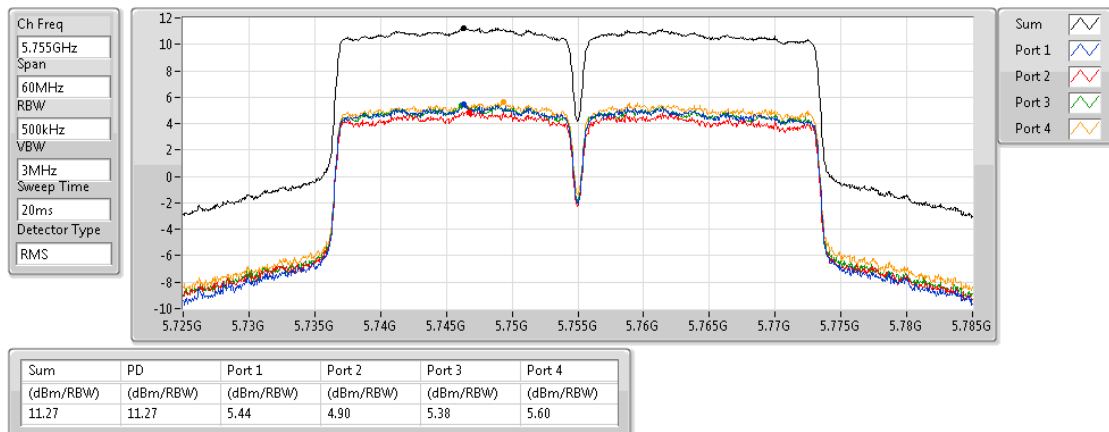
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

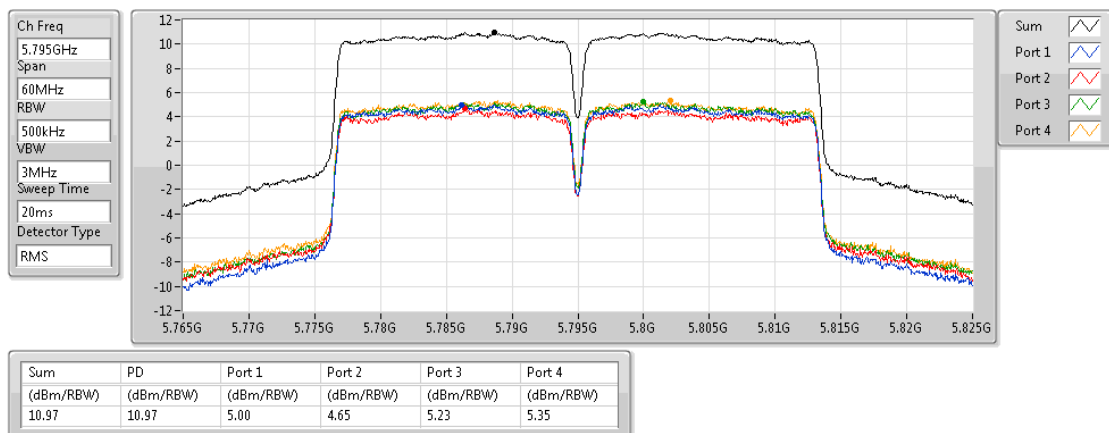
5755MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

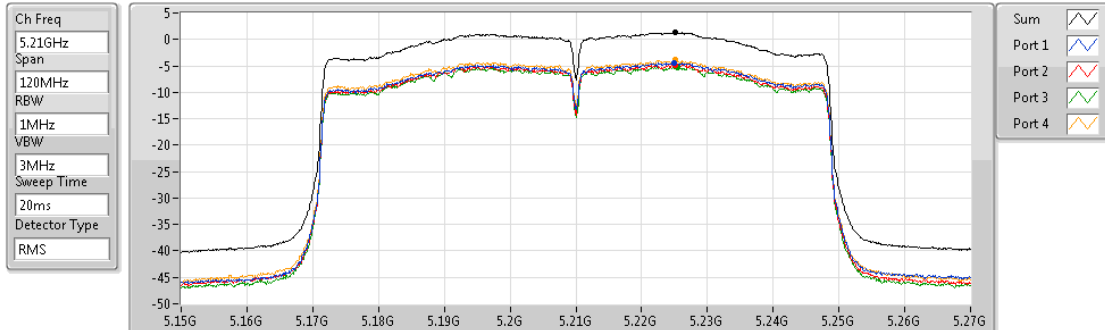
5795MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5210MHz

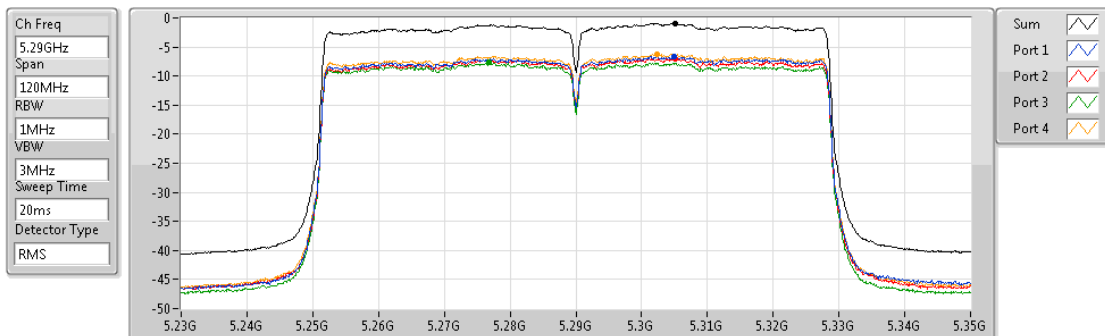


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
1.36	1.36	-4.46	-4.79	-5.27	-3.90

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5290MHz

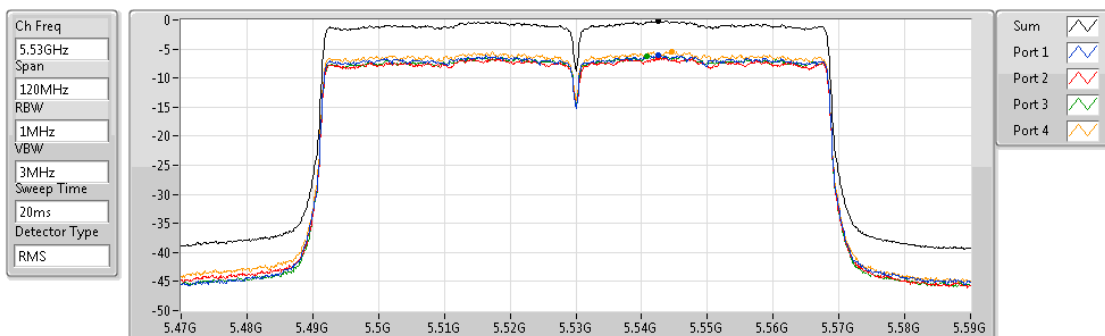


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-0.92	-0.92	-6.66	-6.94	-7.68	-6.28

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5530MHz

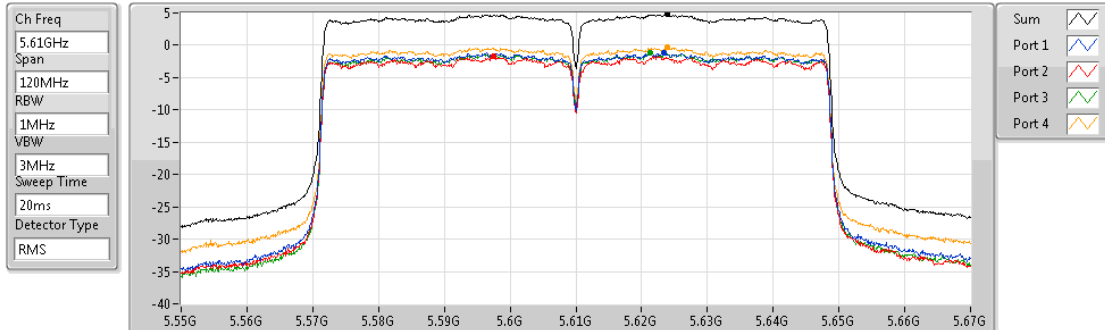


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-0.21	-0.21	-6.11	-6.52	-6.20	-5.45

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5610MHz

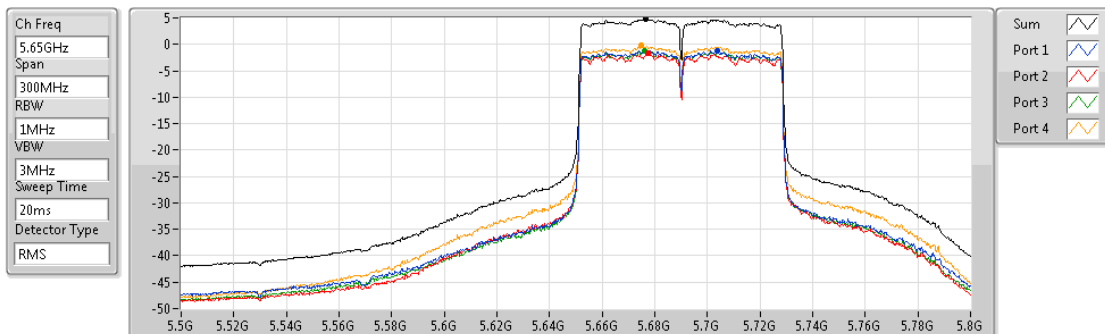


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.75	4.75	-1.23	-1.69	-1.22	-0.36

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

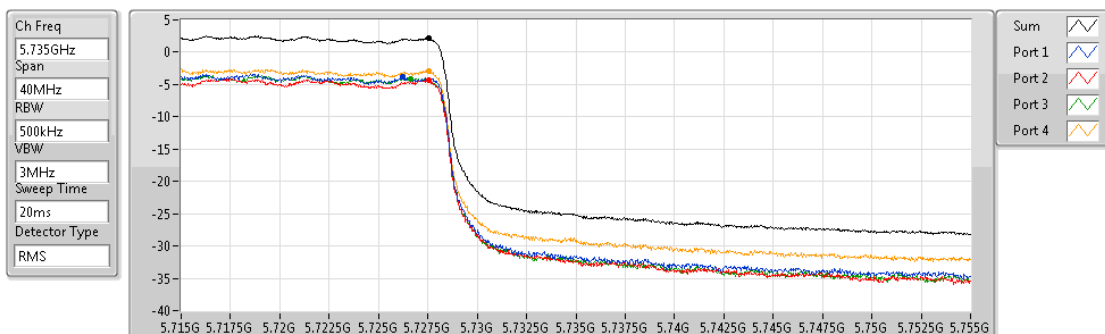


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.73	4.73	-1.17	-1.68	-1.23	-0.23

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

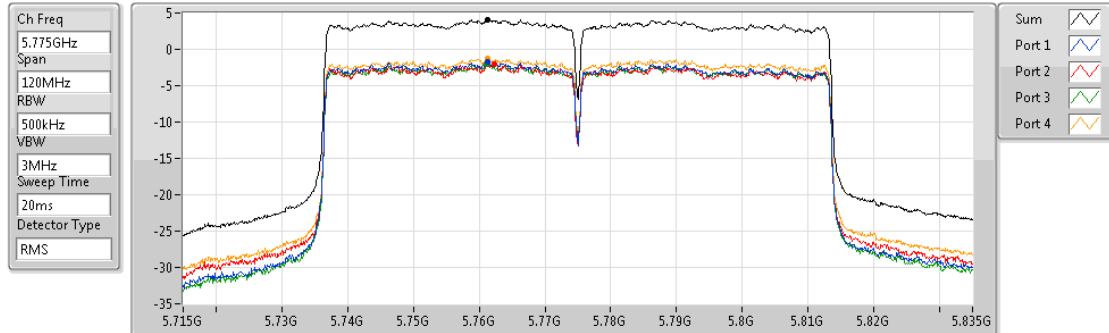


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.18	2.18	-3.82	-4.38	-4.06	-2.84

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5775MHz

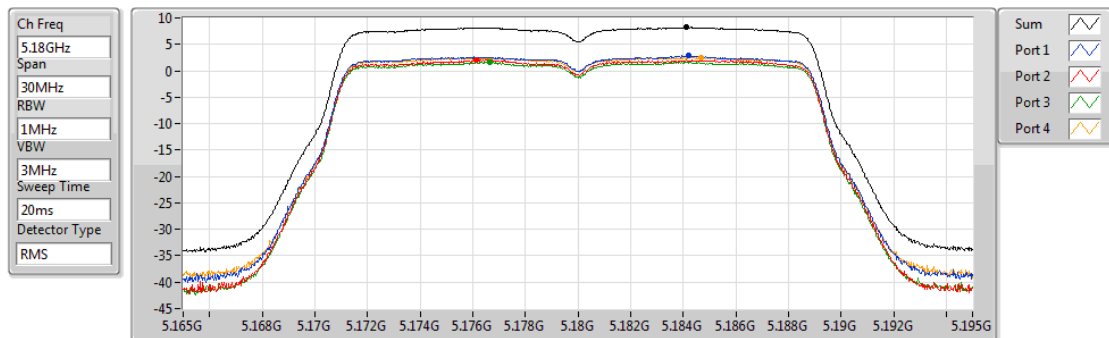


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.12	4.12	-1.73	-2.08	-2.10	-1.29

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

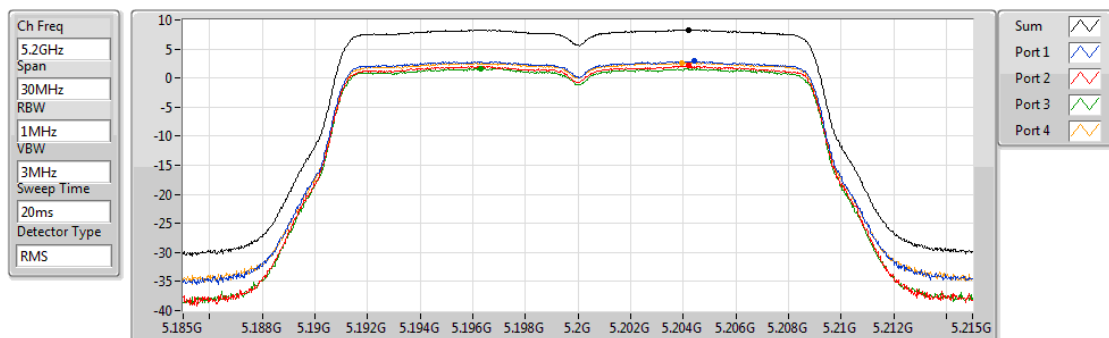


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.21	8.21	2.85	2.06	1.66	2.54

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

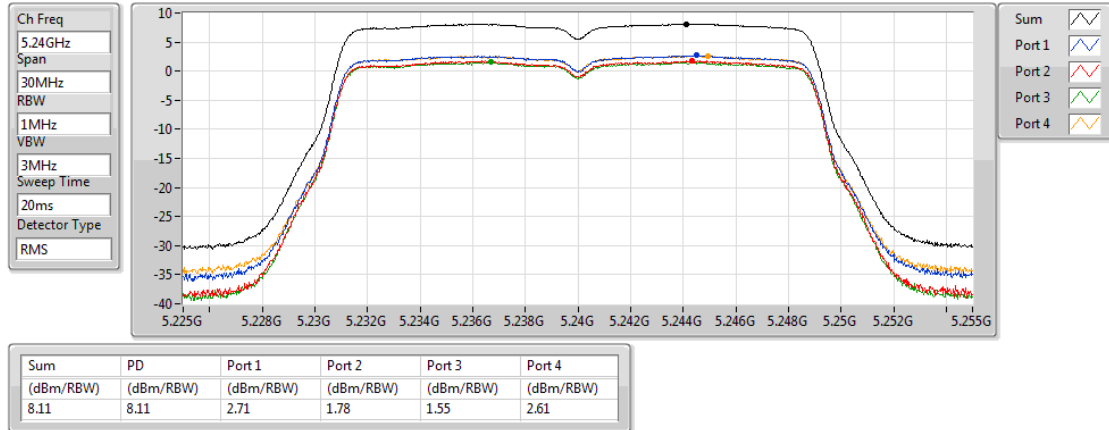


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.29	8.29	2.89	2.10	1.69	2.65

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

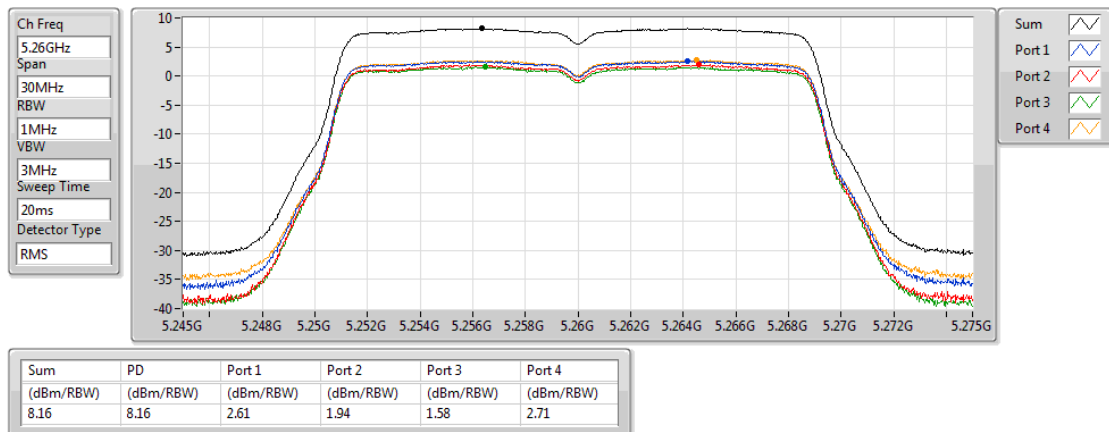
5240MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

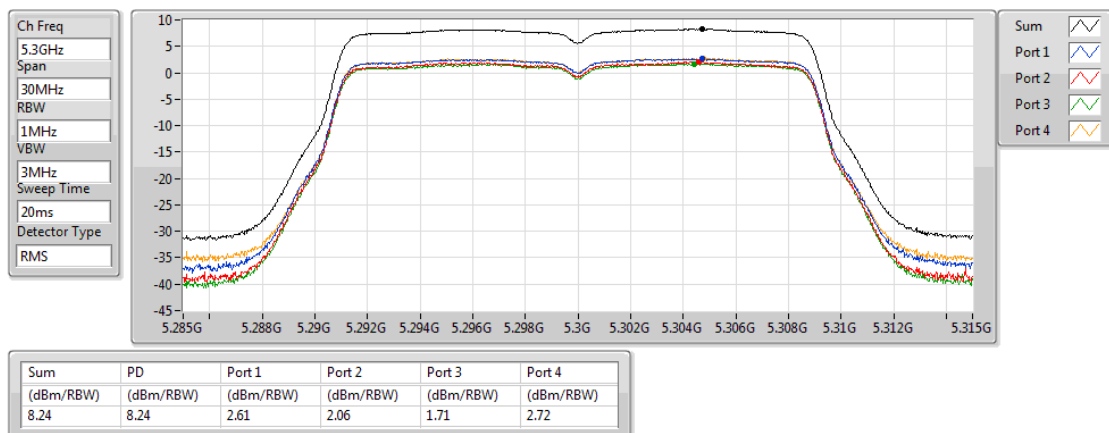
5260MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

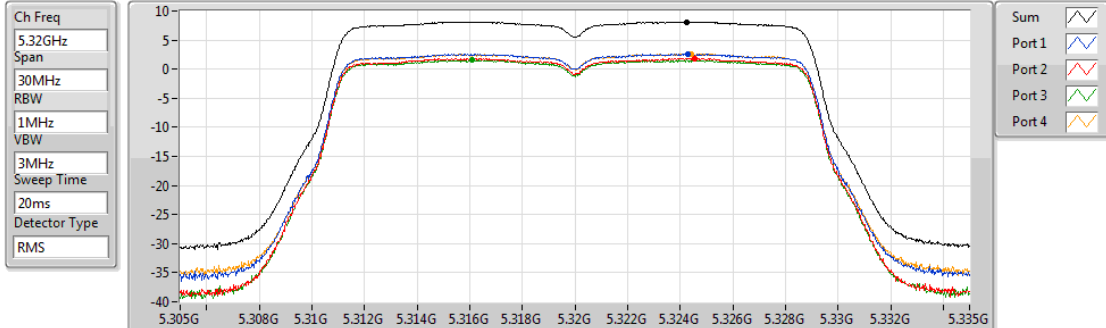
5300MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

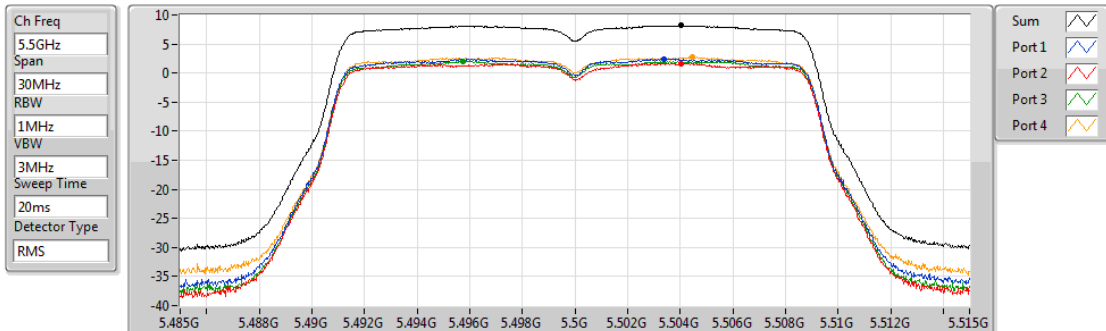


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.13	8.13	2.59	1.88	1.53	2.61

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

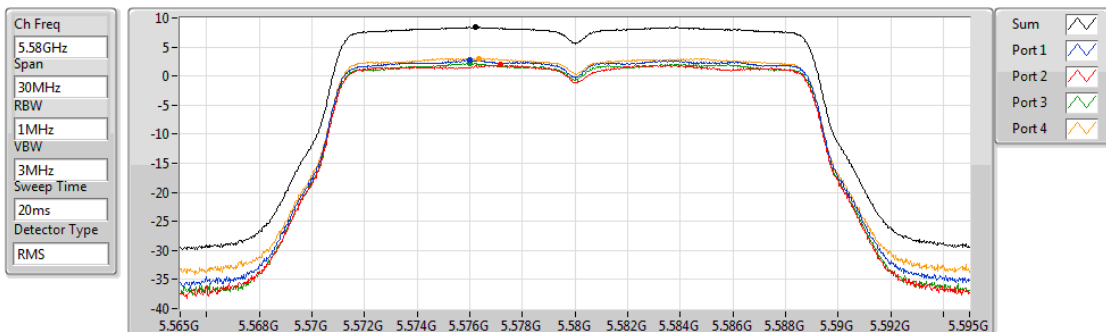


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.16	8.16	2.43	1.70	2.02	2.73

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

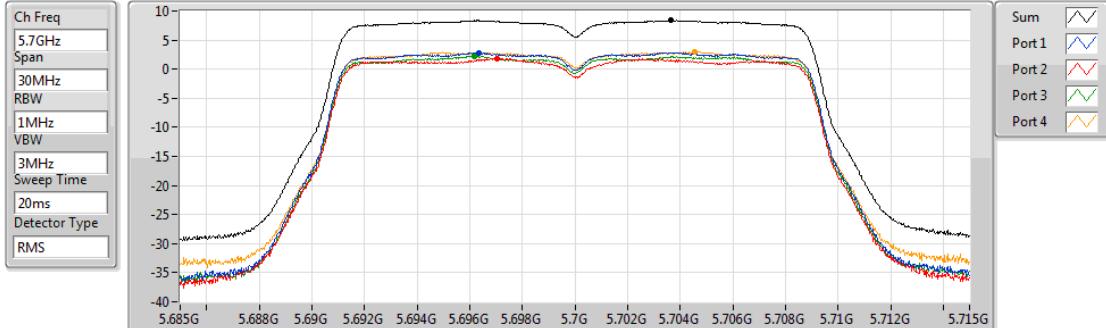


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.39	8.39	2.75	1.90	2.28	3.03

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

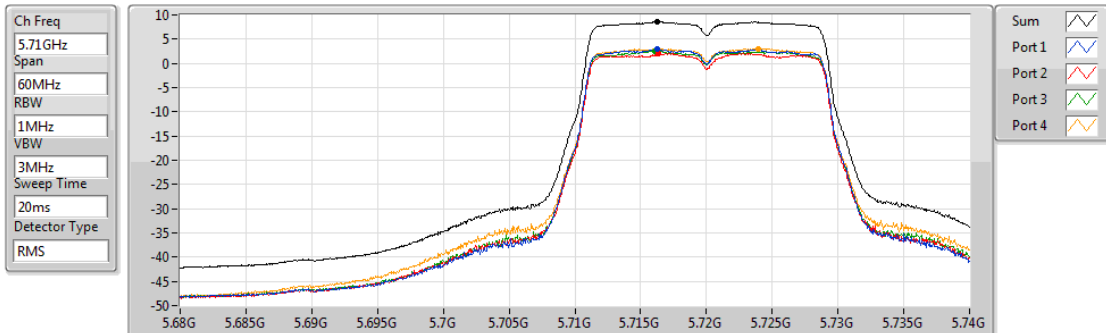


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.36	8.36	2.87	1.82	2.28	3.01

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

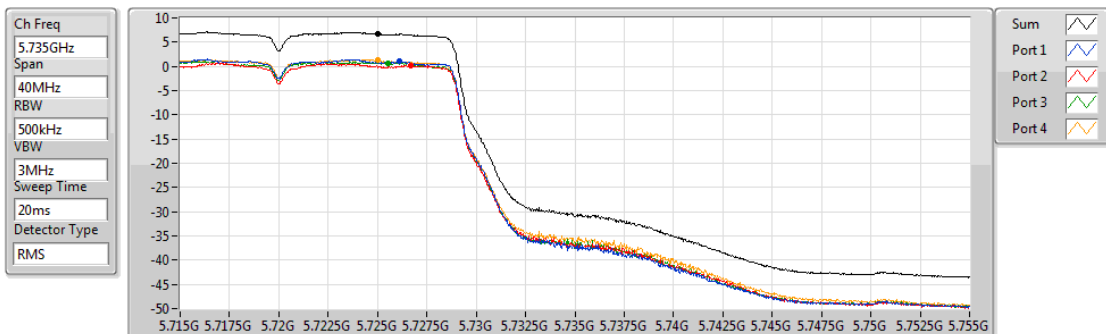


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.60	8.60	2.90	2.02	2.57	3.02

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

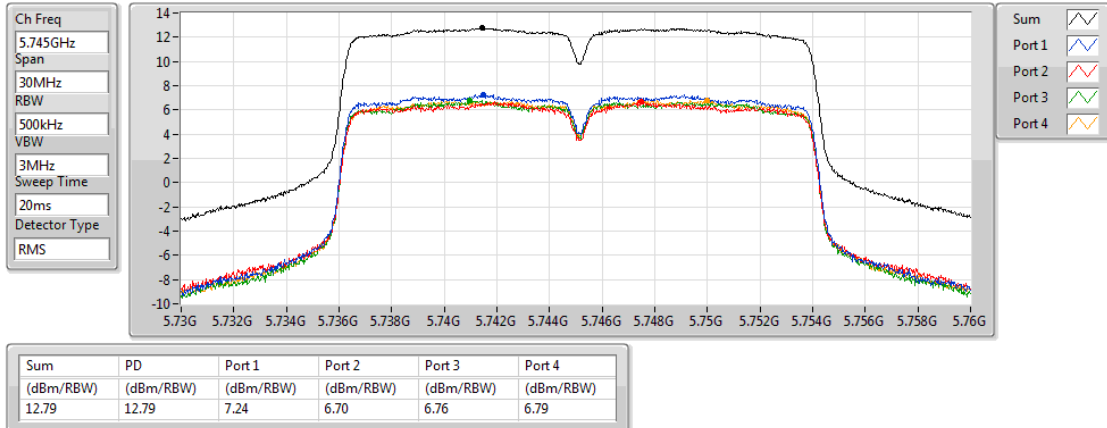


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.67	6.67	1.00	0.20	0.73	1.25

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

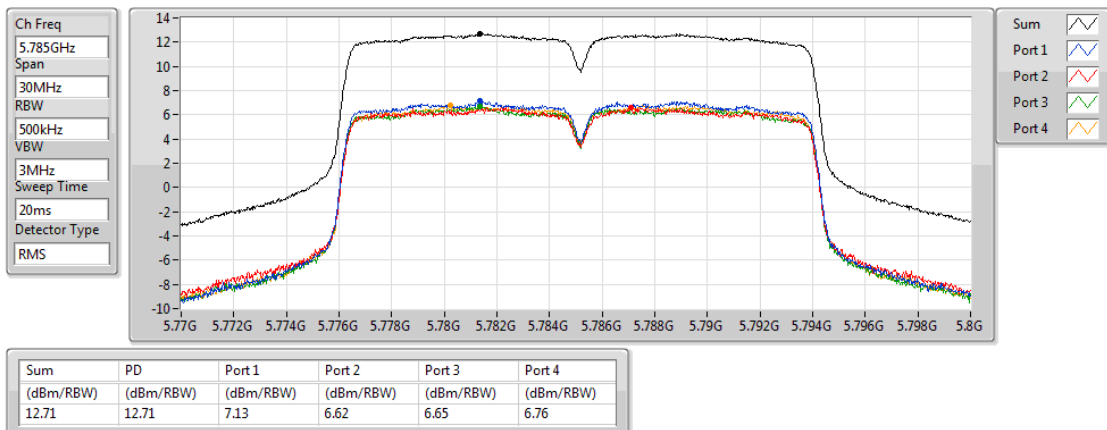
5745MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

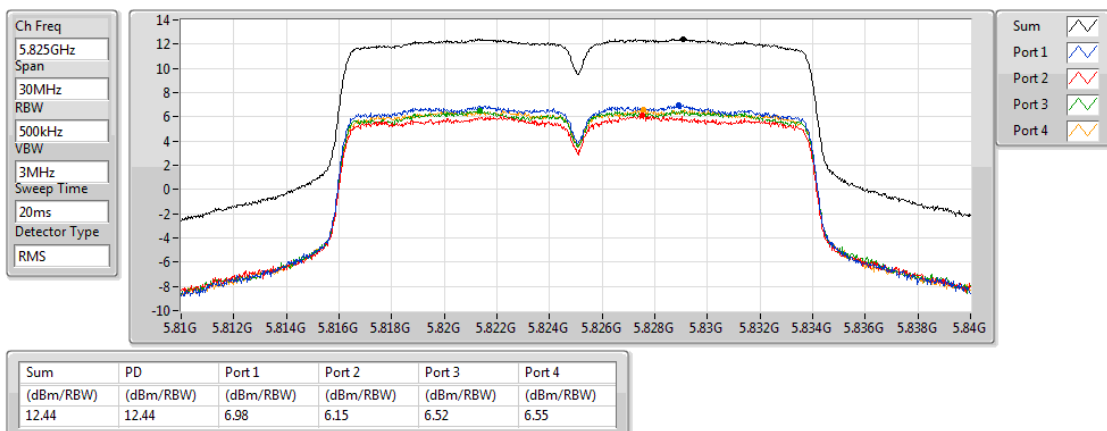
5785MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

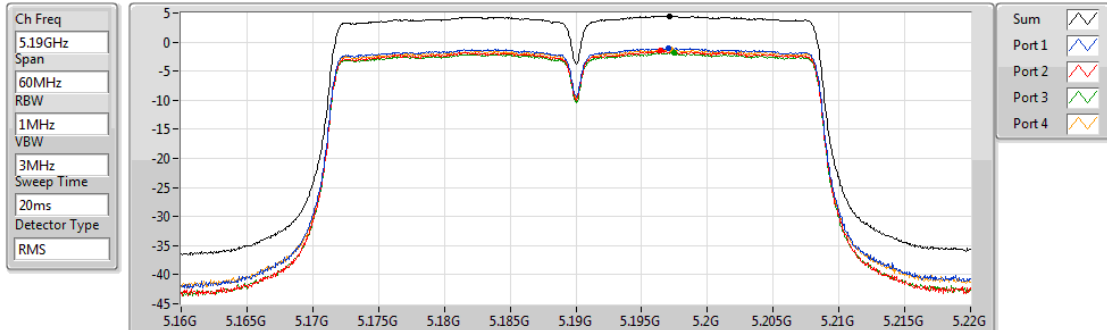
5825MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

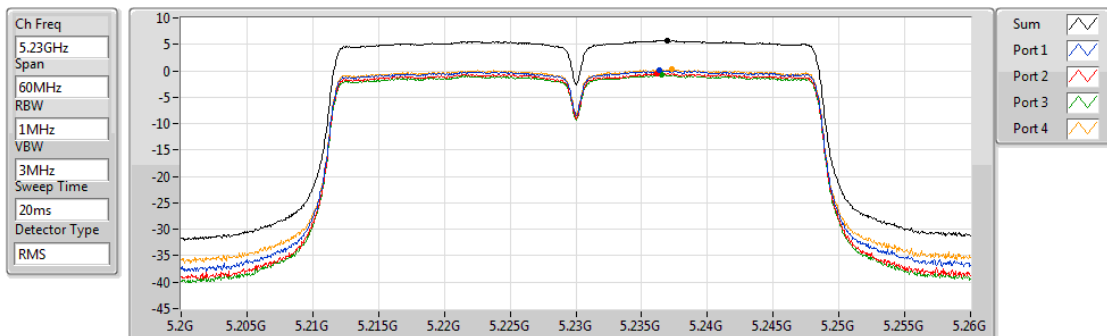


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.51	4.51	-1.01	-1.44	-1.87	-1.33

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

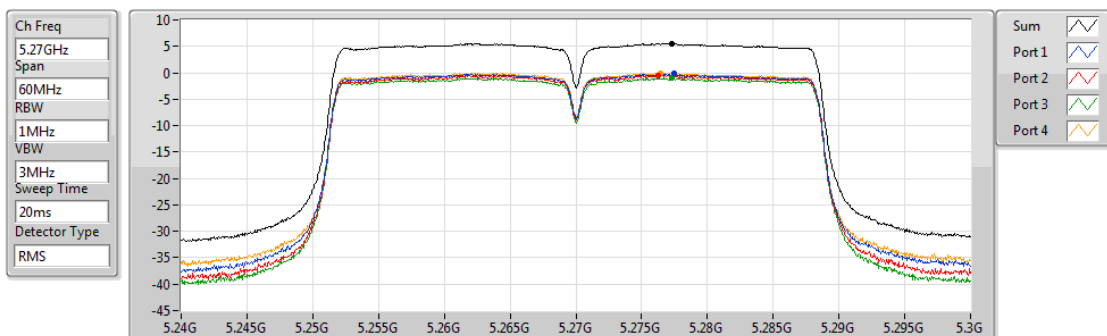


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.71	5.71	0.06	-0.47	-0.74	0.23

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

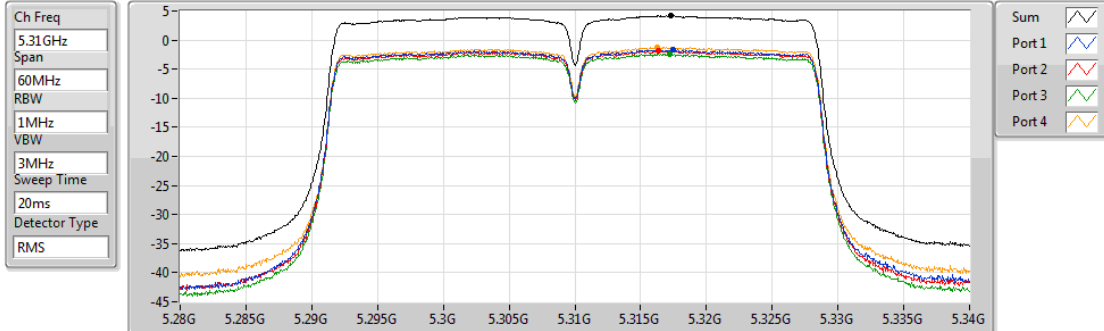


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.51	5.51	-0.20	-0.49	-0.99	-0.05

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

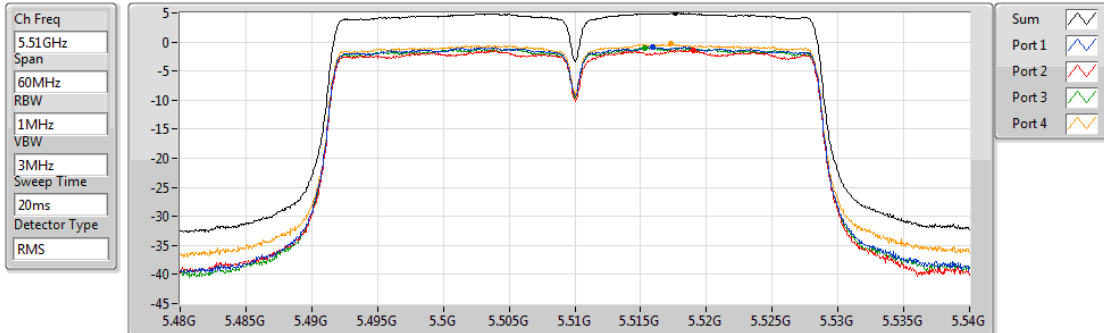


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.17	4.17	-1.69	-1.89	-2.36	-1.21

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

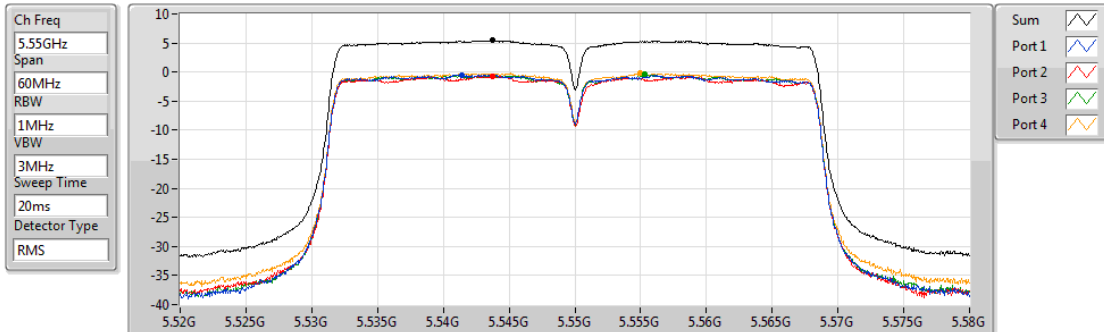


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.97	4.97	-0.83	-1.42	-1.01	-0.36

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

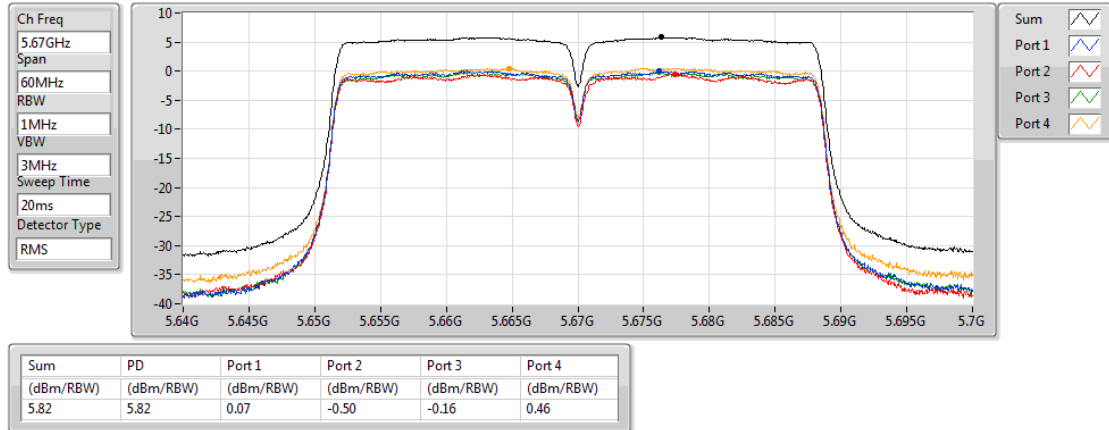


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.45	5.45	-0.48	-0.65	-0.45	-0.23

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

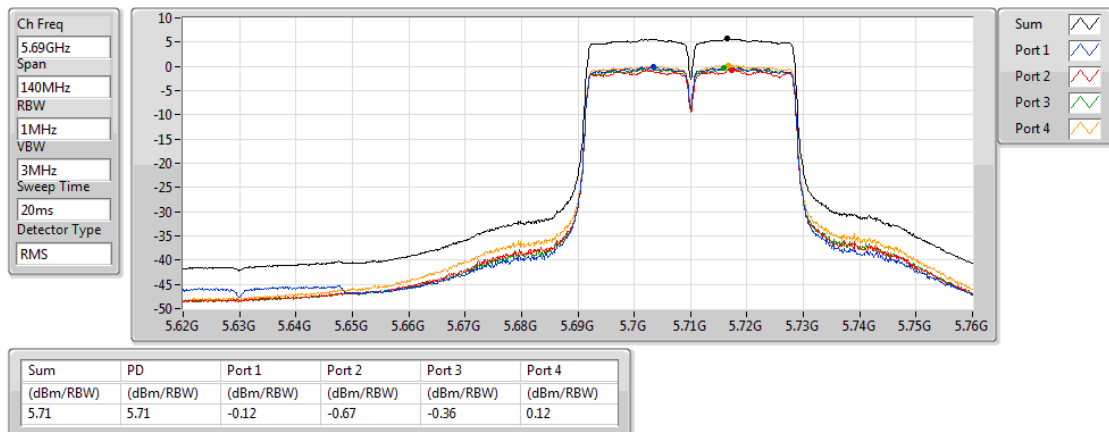
5670MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

