

FCC Test Report

Equipment : NanoStation AC Loco
Brand Name : UBIQUITI
Model No. : NS-5ACL
FCC ID : SWX-NS5ACLW
Standard : 47 CFR FCC Part 15.407
Operating Band : 5150 MHz – 5250 MHz
5725 MHz – 5850 MHz
Applicant / Manufacturer : Ubiquiti Networks, Inc.
685 Third Avenue, 27th Floor New York, New York 10017
USA
Function : ☒ Outdoor; ☐ Indoor; ☒ Fixed P2P
☐ Client

The product sample received on Aug. 11, 2017 and completely tested on Sep. 01, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Phoenix 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



SPORTON INTERNATIONAL INC.
TEL : 886-3-3273456
FAX : 886-3-3270973
FCC ID: SWX-NS5ACLW

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	ac (VHT10)	5160-5245	32-49 [18]
5725-5850		5735-5840	147-168 [22]
5150-5250	n (HT20), ac (VHT20)	5165-5240	33-48 [16]
5725-5850		5740-5835	148-167 [20]
5150-5250	ac (VHT30)	5170-5235	34-47 [14]
5725-5850		5745-5830	149-166 [18]
5150-5250	n (HT40), ac (VHT40)	5175-5230	35-46 [12]
5725-5850		5750-5825	150-165 [16]
5150-5250	ac (VHT50)	5180-5225	36-45 [10]
5725-5850		5755-5820	151-164 [14]
5150-5250	ac (VHT60)	5185-5220	37-44 [8]
5725-5850		5760-5815	152-163 [12]
5150-5250	ac (VHT80)	5190-5210	38-42 [5]
5725-5850		5770-5805	154-161 [8]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ac VHT10	10	2TX
5.725-5.85GHz	802.11ac VHT10	10	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT30	30	2TX
5.725-5.85GHz	802.11ac VHT30	30	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT50	50	2TX
5.725-5.85GHz	802.11ac VHT50	50	2TX
5.15-5.25GHz	802.11ac VHT60	60	2TX
5.725-5.85GHz	802.11ac VHT60	60	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

Note:

- ♦ HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT10, VHT20, VHT30, VHT40, VHT50, VHT60, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	-	-	internal antenna	Murata	13
2	2	-	-	internal antenna	Murata	13

Note: 1: 802.11n/ac used two antennas are for signal transmitting and receiving.(2T2R Spatial Multiplexing MIMO configuration)

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From PoE		
Beamforming Function	☐ With beamforming	☒ Without beamforming	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:		...
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		...
☐	Other:		

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ac VHT10	0.904	0.438	2.522m	1k
802.11ac VHT20	0.951	0.218	1.27m	1k
802.11ac VHT30	0.894	0.487	829.688u	3k
802.11ac VHT40	0.895	0.482	634.375u	3k
802.11ac VHT50	0.732	1.355	485.938u	3k
802.11ac VHT60	0.523	2.815	395.312u	3k
802.11ac VHT80	0.742	1.296	323.437u	10k

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ KDB 789033 D02 v01r04
- ♦ KDB 644545 D03 v01
- ♦ KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH07-HY	Ryan Hsiao	24.6°C / 65%	30/Aug/2017
Radiated	03CH02-HY	Lynus Tsai	25.3°C / 64%	29/Aug/2017
AC Conduction	CO04-HY	Daniel Hsu	24.9°C / 55%	01/Sep/2017

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)	3.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	2.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	2.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	2.9 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V
Freq. Stability	Abbreviation	Remark
-20°C	-	-
-10°C	-	-
0°C	-	-
10°C	-	-
20°C	-	-
30°C	-	-
40°C	-	-
50°C	-	-
55°C	-	-
138V	-	-
120V	-	-
102V	-	-

2.2 Test Channel Mode

Test Software	Putty
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P to M

Mode	Power Setting
802.11ac VHT10_Nss1,(MCS0)_2TX	-
5160MHz	3
5200MHz	2.5
5245MHz	2.5
5735MHz	15
5790MHz	14
5840MHz	14
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5165MHz	3
5200MHz	2.5
5240MHz	2.5
5740MHz	16.5
5790MHz	15.5
5835MHz	15
802.11ac VHT30_Nss1,(MCS0)_2TX	-
5170MHz	2.5
5200MHz	2.5
5235MHz	2.5
5745MHz	17
5790MHz	16.5
5830MHz	16
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5175MHz	3
5200MHz	3
5230MHz	2.5
5750MHz	17
5790MHz	16.5
5825MHz	16



802.11ac VHT50_Nss1,(MCS0)_2TX	-
5180MHz	3
5200MHz	3
5225MHz	3
5755MHz	17
5790MHz	17
5820MHz	16.5
802.11ac VHT60_Nss1,(MCS0)_2TX	-
5185MHz	3
5200MHz	2.5
5220MHz	2.5
5760MHz	17
5790MHz	17
5815MHz	16.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5190MHz	0
5200MHz	3.5
5210MHz	3.5
5770MHz	18
5790MHz	18
5805MHz	18



P to P

Mode	Power Setting
802.11ac VHT10_Nss1,(MCS0)_2TX	-
5160MHz	9.5
5200MHz	17
5245MHz	17.5
5735MHz	15
5790MHz	14
5840MHz	14
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5165MHz	9.5
5200MHz	18.5
5240MHz	18.5
5740MHz	16.5
5790MHz	15.5
5835MHz	15
802.11ac VHT30_Nss1,(MCS0)_2TX	-
5170MHz	7.5
5200MHz	16
5235MHz	19.5
5745MHz	17
5790MHz	16.5
5830MHz	16
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5175MHz	7.5
5200MHz	14.5
5230MHz	18.5
5750MHz	17
5790MHz	16.5
5825MHz	16
802.11ac VHT50_Nss1,(MCS0)_2TX	-
5180MHz	6.5
5200MHz	11.5
5225MHz	15.5
5755MHz	17
5790MHz	17
5820MHz	16.5



802.11ac VHT60_Nss1,(MCS0)_2TX	-
5185MHz	6
5200MHz	11
5220MHz	13
5760MHz	17
5790MHz	17
5815MHz	16.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5190MHz	0
5200MHz	10.5
5210MHz	10.5
5770MHz	18
5790MHz	18
5805MHz	18

2.3 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	CTX
1	PoE Mode

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

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

2.4 Accessories

Accessories				
PoE Adapter	Brand Name	UBIQUITI	Model Name	GP-A240-050G
	Power Rating	I/P: 100-240Vac, 0.3A, O/P: 24Vdc, 0.5A		

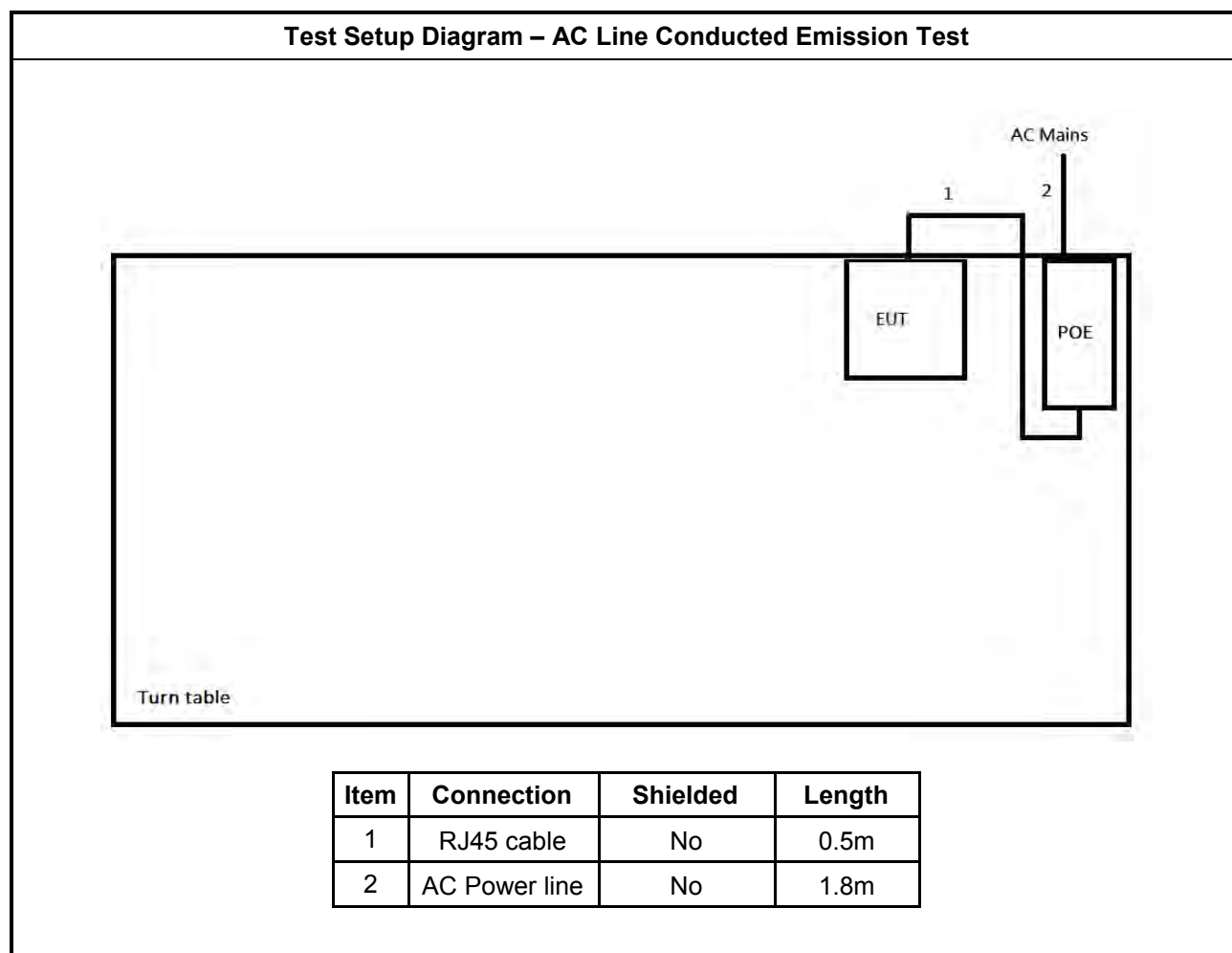
2.5 Support Equipment

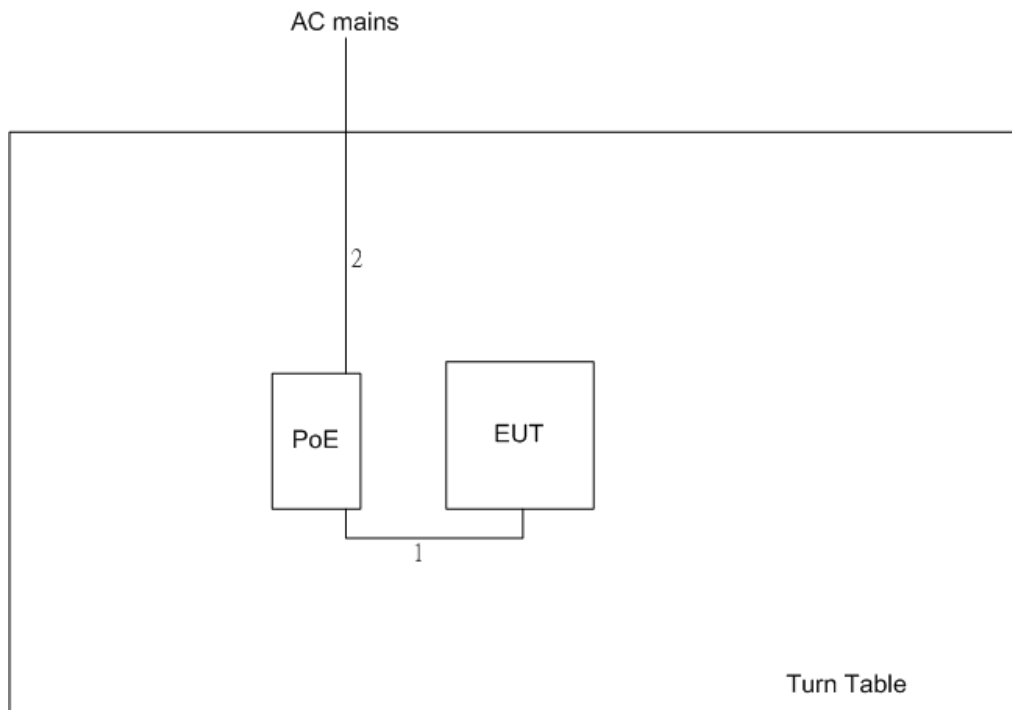
Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	R33002 / DOC
2	Adapter for NB	DELL	HA65NM130	R35737 / DOC
3	AC Source	G.W	APS-9102	-

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	-	-	-	-

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	-	-	-	-

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length
1	RJ45 cable	No	0.5m
2	AC Power line	No	1.8m

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.

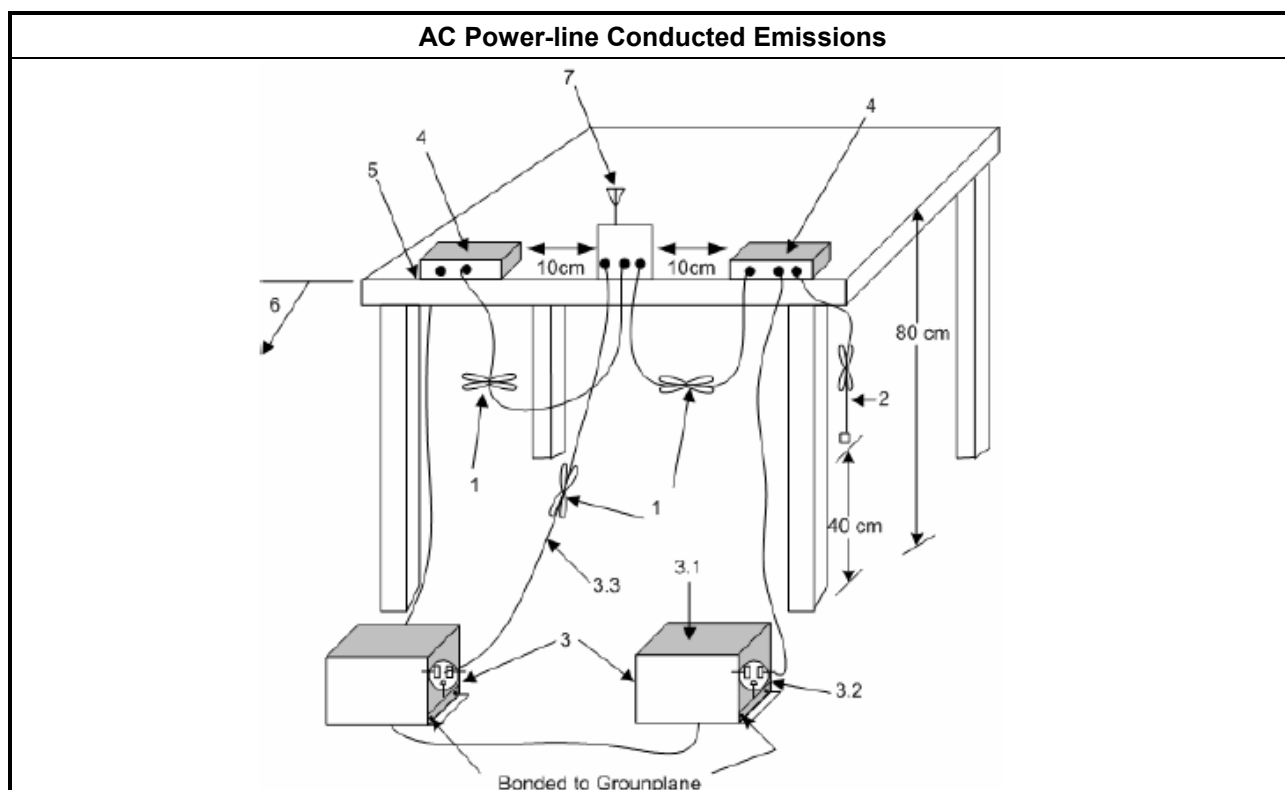
3.1.2 Measuring Instruments

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.

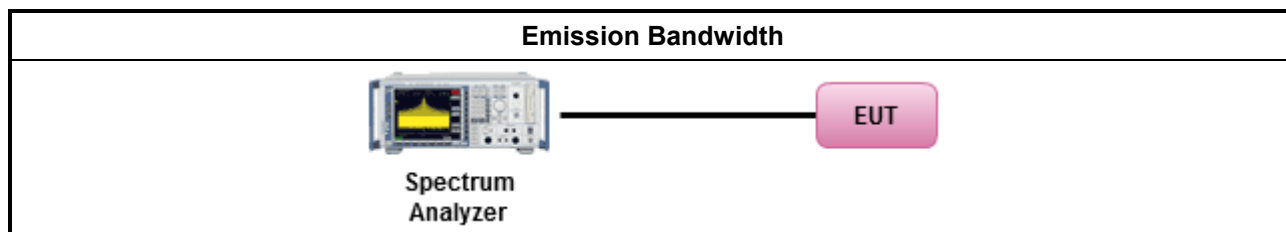
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.6 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.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

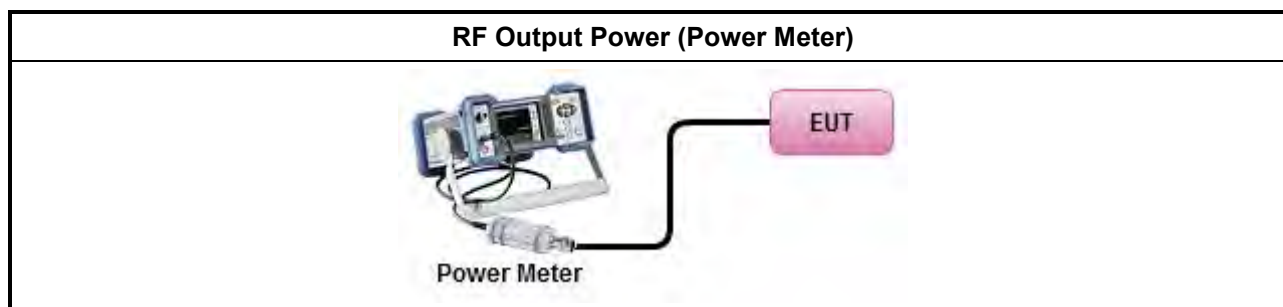
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

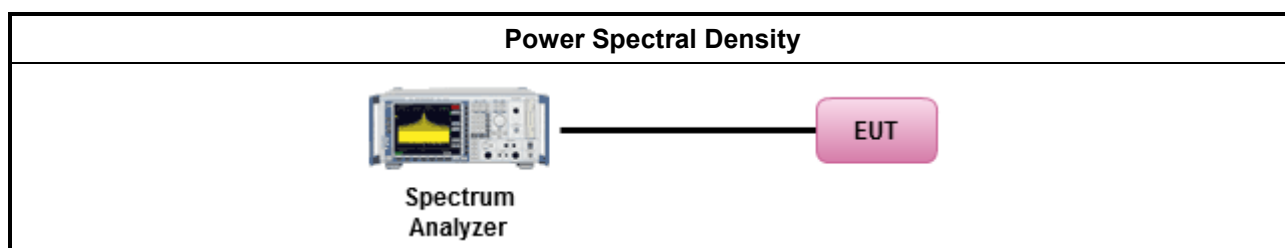
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
Duty cycle ≥ 98%	
☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
Duty cycle < 98%	
☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (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	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

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

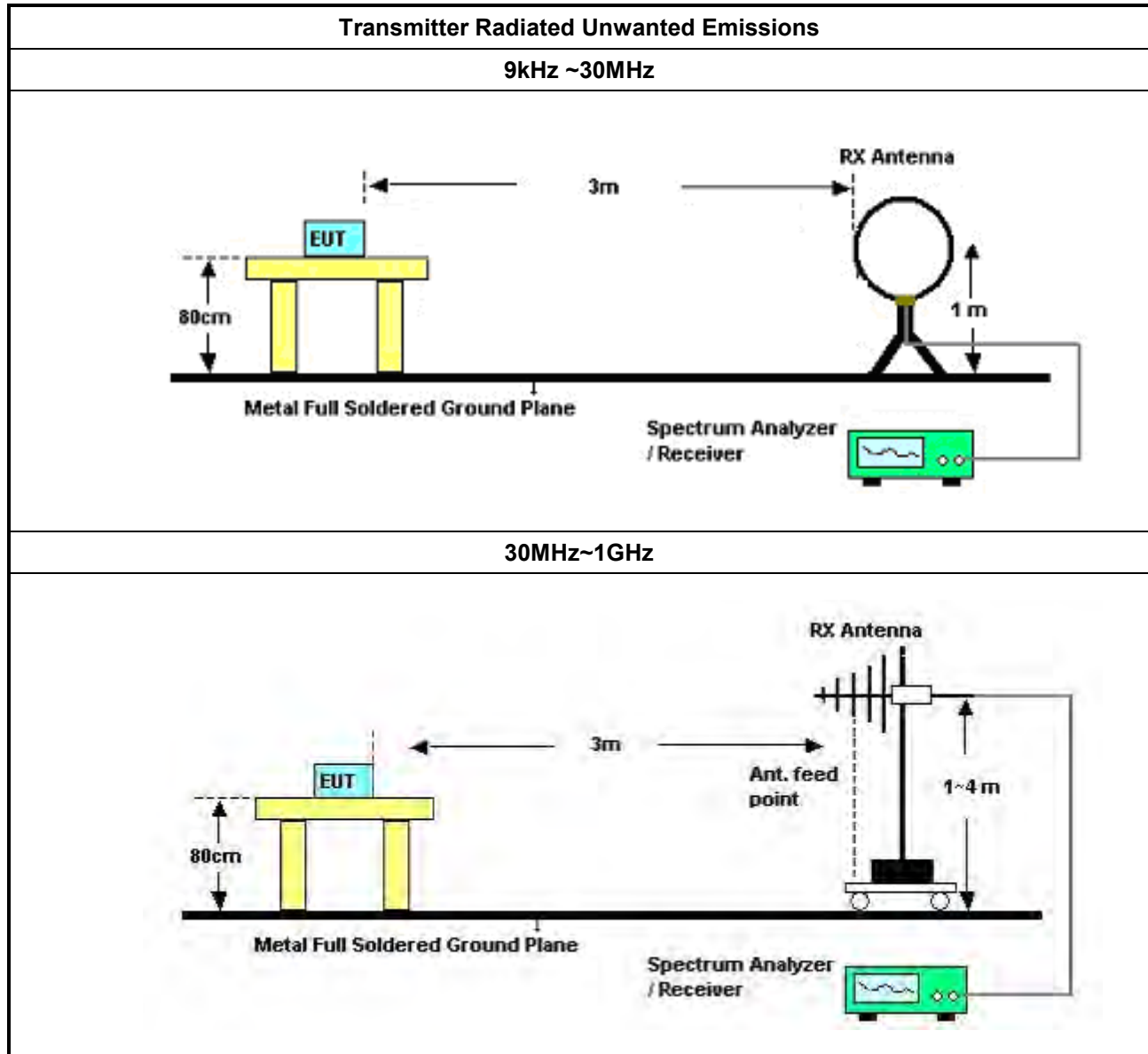
3.5.2 Measuring Instruments

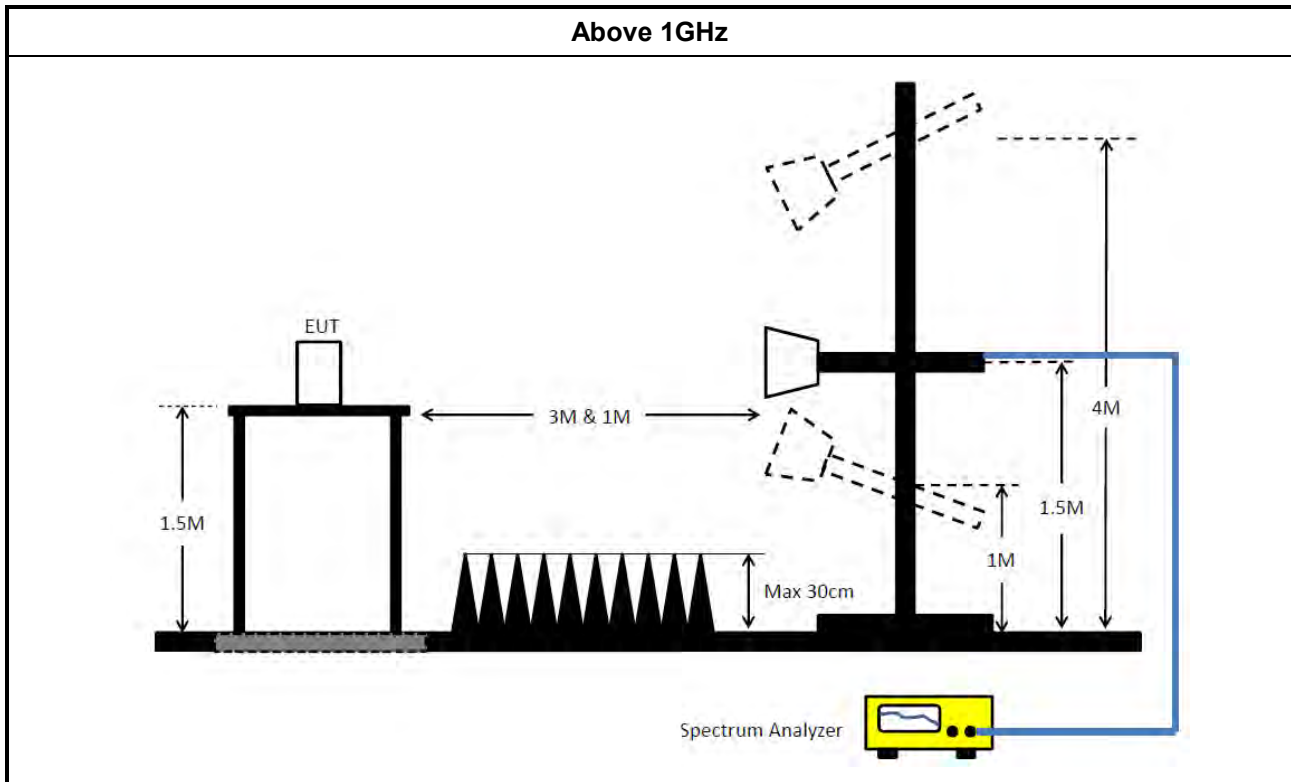
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
	☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. 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.	
IEEE Std. 802.11	
The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band.	

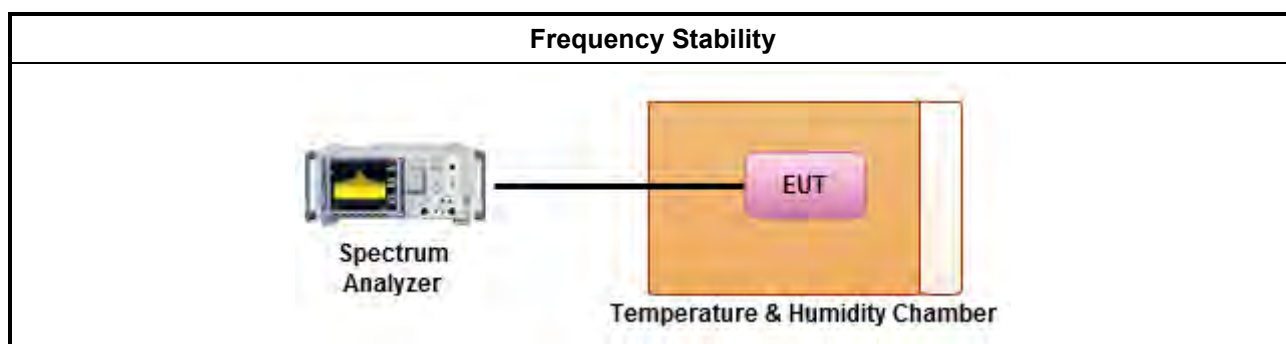
3.6.2 Measuring Instruments

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

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	14/Nov/2017
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Puls e Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	21/Oct/2016	20/Oct/2017

NCR : Non-Calibration Require

Instrument for Radiated Test

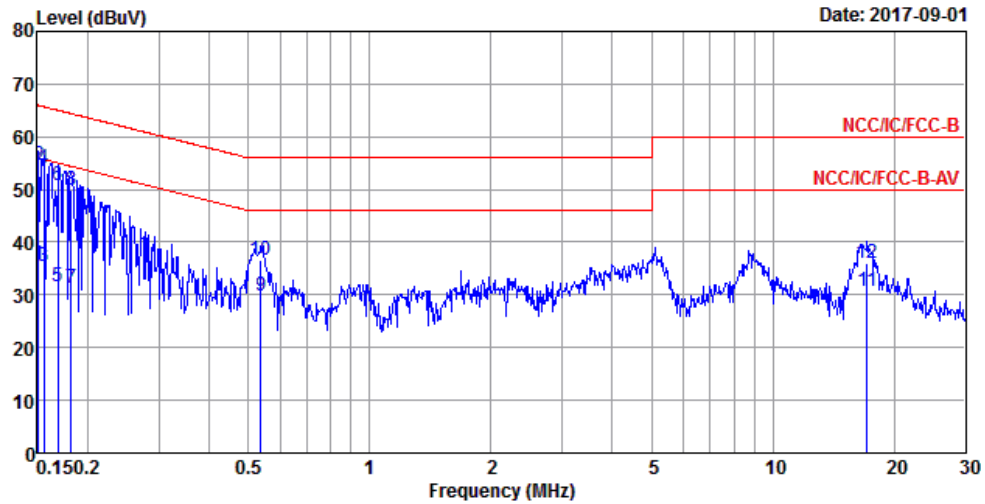
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9KHz - 40GHz	26/Oct/2016	25/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	21/Oct/2016	20/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz	12/Dec/2016	11/Dec/2017
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	29/Jun/2017	28/Jun/2018
Amplifier	Agilent	8449B	3008A02373	1GHz-26.5GHz	02/Sep/2016	01/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	11/May/2017	10/May/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	01/Oct/2016	30/Sep/2017
Amplifier	MITEQ	JS44-18004000 -33-8P	1840917	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Loop Antenna	TESEQ	HLA 6120	31244	9KHz-30MHz	02/Mar/2017	01/Mar/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018
Receiver	R&S	ESU-26	100422/026	20Hz ~ 26.5GHz	21/Sep/2016	20/Sep/2017

**Instrument for Conducted Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101500	9kHz~40GHz	28/Jun/2017	27/Jun/2018
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jun/2017	26/Jun/2018
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1311-008	-40 ~ 100℃	10/May/2017	09/May/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-1.5m	HUBER+SUHNER	SUCOFLEX_104	MY12582/4	30MHz~ 26.5GHz	02/Oct/2016	01/Oct/2017

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	PoE Mode		

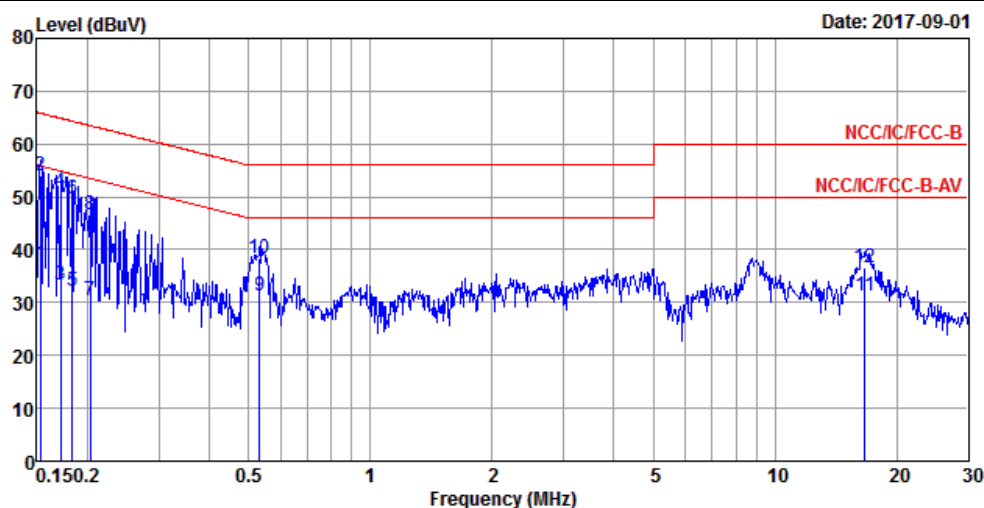


	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.15	35.77	-20.19	55.96	25.95	9.60	0.22	Average
2 MAX	0.15	54.48	-11.48	65.96	44.66	9.60	0.22	QP
3	0.16	35.39	-20.30	55.69	25.55	9.61	0.23	Average
4	0.16	54.07	-11.62	65.69	44.23	9.61	0.23	QP
5	0.17	31.49	-23.54	55.03	21.61	9.63	0.25	Average
6	0.17	50.90	-14.13	65.03	41.02	9.63	0.25	QP
7	0.18	31.24	-23.18	54.42	21.32	9.65	0.27	Average
8	0.18	49.95	-14.47	64.42	40.03	9.65	0.27	QP
9	0.54	29.81	-16.19	46.00	20.09	9.62	0.10	Average
10	0.54	36.64	-19.36	56.00	26.92	9.62	0.10	QP
11	17.11	30.76	-19.24	50.00	20.70	9.86	0.20	Average
12	17.11	36.14	-23.86	60.00	26.08	9.86	0.20	QP

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

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	PoE Mode		



	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	37.21	-18.61	55.82	27.33	9.66	0.22	Average
2 MAX	0.15	54.05	-11.77	65.82	44.17	9.66	0.22	QP
3	0.17	33.44	-21.46	54.90	23.52	9.66	0.26	Average
4	0.17	51.18	-13.72	64.90	41.26	9.66	0.26	QP
5	0.18	32.17	-22.16	54.33	22.24	9.65	0.28	Average
6	0.18	49.47	-14.86	64.33	39.54	9.65	0.28	QP
7	0.20	30.46	-23.03	53.49	20.51	9.65	0.30	Average
8	0.20	46.63	-16.86	63.49	36.68	9.65	0.30	QP
9	0.53	31.39	-14.61	46.00	21.63	9.66	0.10	Average
10	0.53	38.34	-17.66	56.00	28.58	9.66	0.10	QP
11	16.66	31.23	-18.77	50.00	21.17	9.86	0.20	Average
12	16.66	36.69	-23.31	60.00	26.63	9.86	0.20	QP

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.)

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT10_Nss1,(MCS0)_2TX	12.85M	8.908M	8M91D1D	12.425M	8.871M
802.11ac VHT20_Nss1,(MCS0)_2TX	23.9M	17.741M	17M7D1D	22.775M	17.666M
802.11ac VHT30_Nss1,(MCS0)_2TX	35.888M	26.837M	26M8D1D	34.763M	26.724M
802.11ac VHT40_Nss1,(MCS0)_2TX	45.7M	36.332M	36M3D1D	43.95M	36.232M
802.11ac VHT50_Nss1,(MCS0)_2TX	61.563M	44.665M	44M7D1D	55.813M	44.415M
802.11ac VHT60_Nss1,(MCS0)_2TX	71.475M	55.022M	55M0D1D	67.65M	54.873M
802.11ac VHT80_Nss1,(MCS0)_2TX	91.2M	75.862M	75M9D1D	88M	75.662M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT10_Nss1,(MCS0)_2TX	8.838M	8.908M	8M91D1D	8.8M	8.858M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.575M	17.741M	17M7D1D	16.875M	17.641M
802.11ac VHT30_Nss1,(MCS0)_2TX	26.55M	26.762M	26M8D1D	26.475M	26.687M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.05M	36.282M	36M3D1D	35.6M	36.182M
802.11ac VHT50_Nss1,(MCS0)_2TX	43.813M	44.478M	44M5D1D	43.313M	44.415M
802.11ac VHT60_Nss1,(MCS0)_2TX	54.9M	54.948M	54M9D1D	53.85M	54.798M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.6M	75.962M	76M0D1D	73.1M	75.662M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5160MHz	Pass	Inf	12.85M	8.896M	12.525M	8.896M
5200MHz	Pass	Inf	12.638M	8.883M	12.65M	8.896M
5245MHz	Pass	Inf	12.738M	8.908M	12.425M	8.871M
5735MHz	Pass	500k	8.825M	8.908M	8.838M	8.871M
5790MHz	Pass	500k	8.8M	8.871M	8.838M	8.871M
5840MHz	Pass	500k	8.813M	8.858M	8.838M	8.883M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5165MHz	Pass	Inf	23.55M	17.666M	22.775M	17.666M
5200MHz	Pass	Inf	23M	17.741M	23.9M	17.741M
5240MHz	Pass	Inf	22.825M	17.716M	23.3M	17.666M
5740MHz	Pass	500k	16.875M	17.691M	17.275M	17.641M
5790MHz	Pass	500k	17.575M	17.641M	17.525M	17.666M
5835MHz	Pass	500k	17.55M	17.741M	17.575M	17.716M
802.11ac VHT30_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5170MHz	Pass	Inf	35.55M	26.762M	35.475M	26.837M
5200MHz	Pass	Inf	34.763M	26.799M	35.363M	26.724M
5235MHz	Pass	Inf	35.213M	26.762M	35.888M	26.799M
5745MHz	Pass	500k	26.475M	26.762M	26.55M	26.724M
5790MHz	Pass	500k	26.55M	26.687M	26.475M	26.762M
5830MHz	Pass	500k	26.475M	26.724M	26.55M	26.724M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5175MHz	Pass	Inf	45.7M	36.282M	45.45M	36.282M
5200MHz	Pass	Inf	44.75M	36.332M	44.25M	36.232M
5230MHz	Pass	Inf	44.8M	36.332M	43.95M	36.332M
5750MHz	Pass	500k	36.05M	36.282M	35.9M	36.182M
5790MHz	Pass	500k	35.9M	36.232M	36.05M	36.182M
5825MHz	Pass	500k	35.75M	36.232M	35.6M	36.182M
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	58.625M	44.478M	56.875M	44.478M
5200MHz	Pass	Inf	56.875M	44.665M	55.813M	44.415M
5225MHz	Pass	Inf	61.563M	44.478M	57.188M	44.54M
5755MHz	Pass	500k	43.813M	44.415M	43.75M	44.478M
5790MHz	Pass	500k	43.813M	44.478M	43.313M	44.415M
5820MHz	Pass	500k	43.813M	44.415M	43.75M	44.415M
802.11ac VHT60_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5185MHz	Pass	Inf	68.4M	54.948M	69.825M	54.948M
5200MHz	Pass	Inf	71.475M	54.873M	70.8M	54.948M
5220MHz	Pass	Inf	67.65M	55.022M	69.975M	54.948M
5760MHz	Pass	500k	54M	54.798M	53.85M	54.798M
5790MHz	Pass	500k	54.9M	54.948M	54.75M	54.798M
5815MHz	Pass	500k	53.925M	54.948M	54M	54.873M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	88.3M	75.762M	88M	75.762M



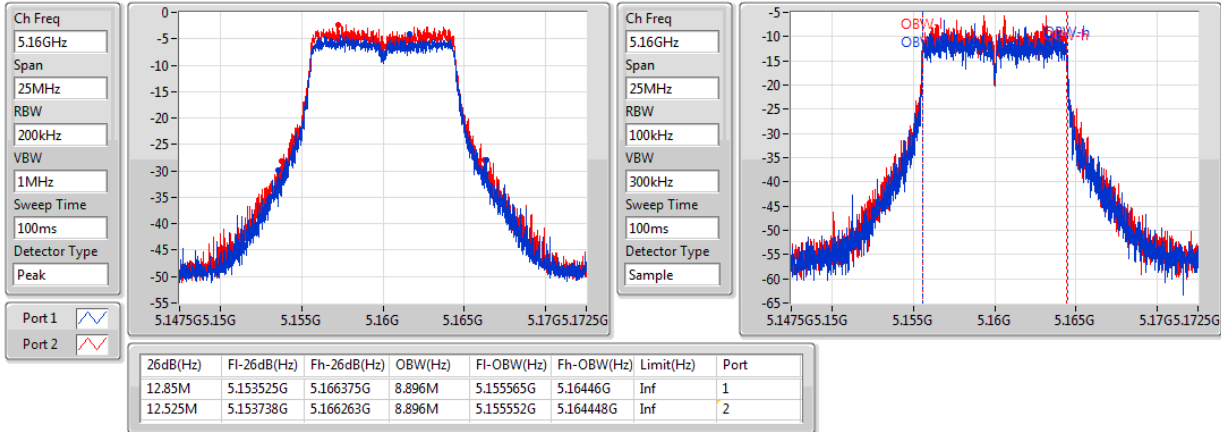
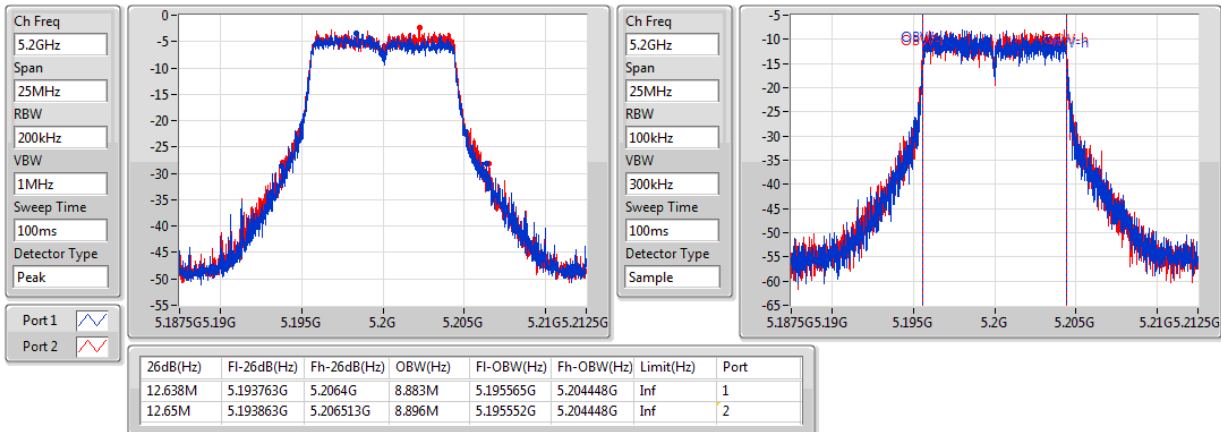
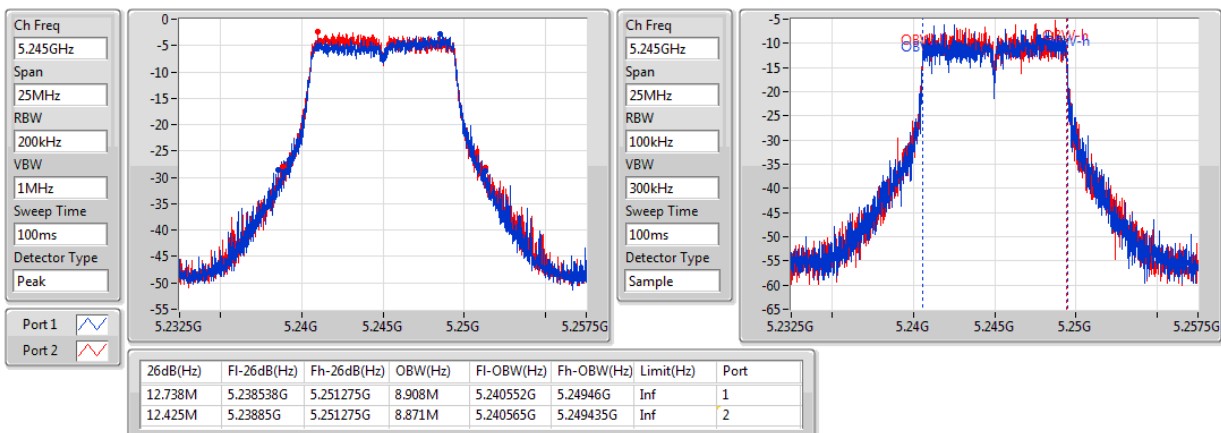
EBW Result (P to M)

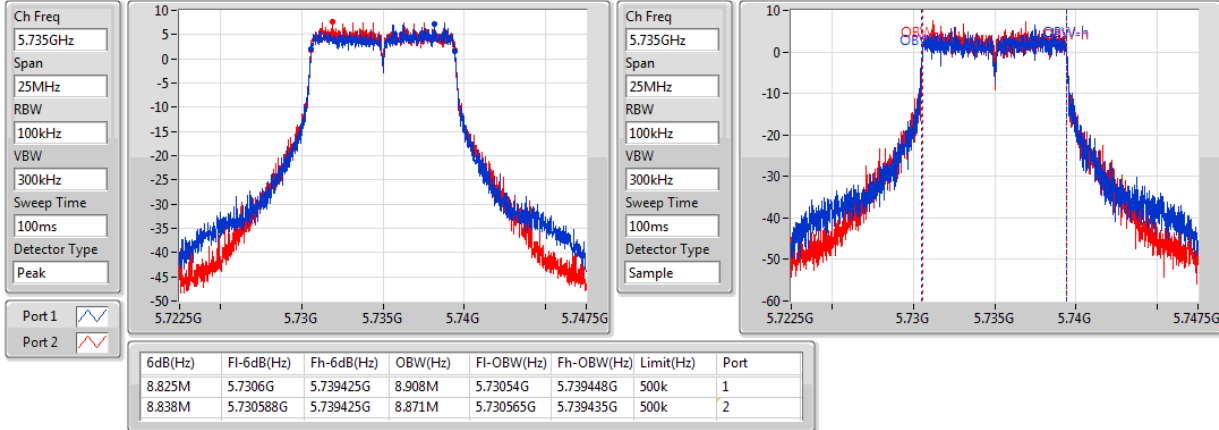
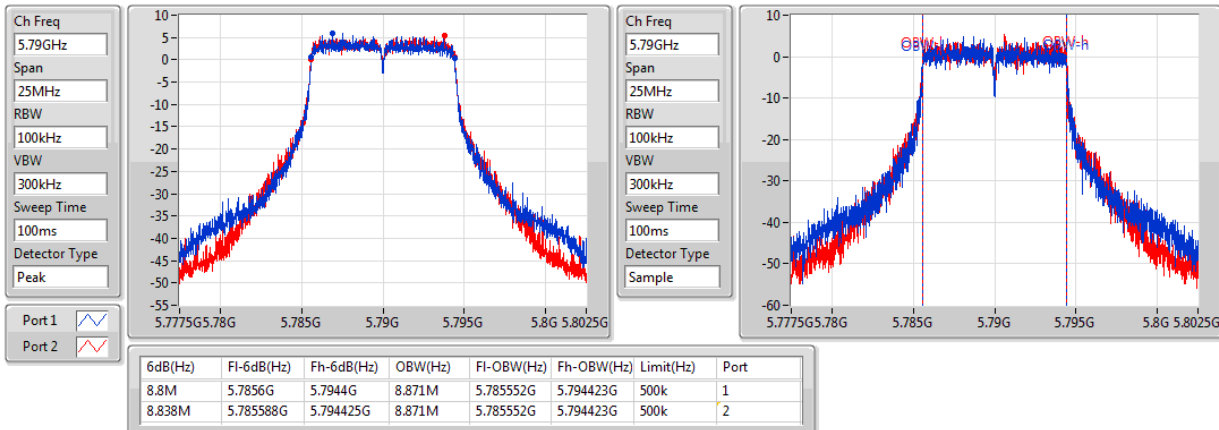
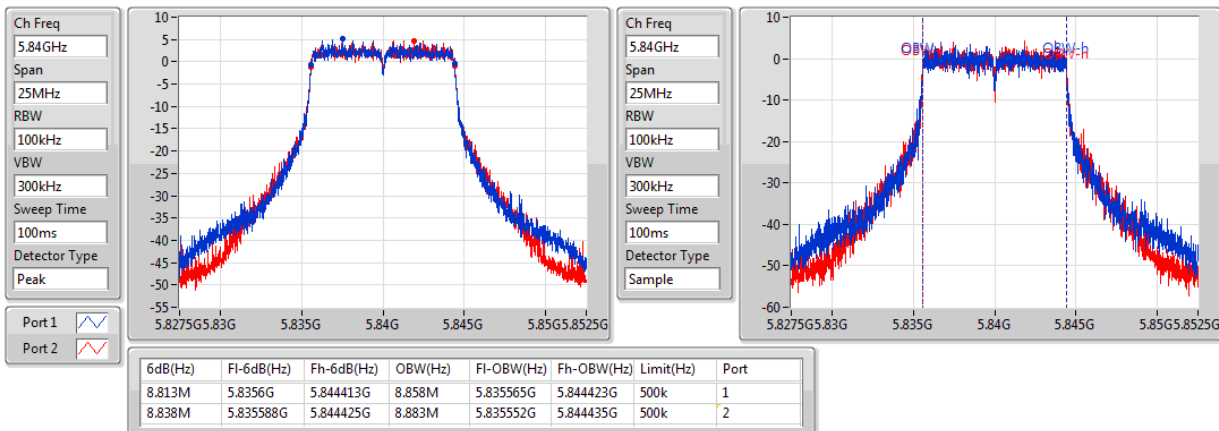
Appendix B

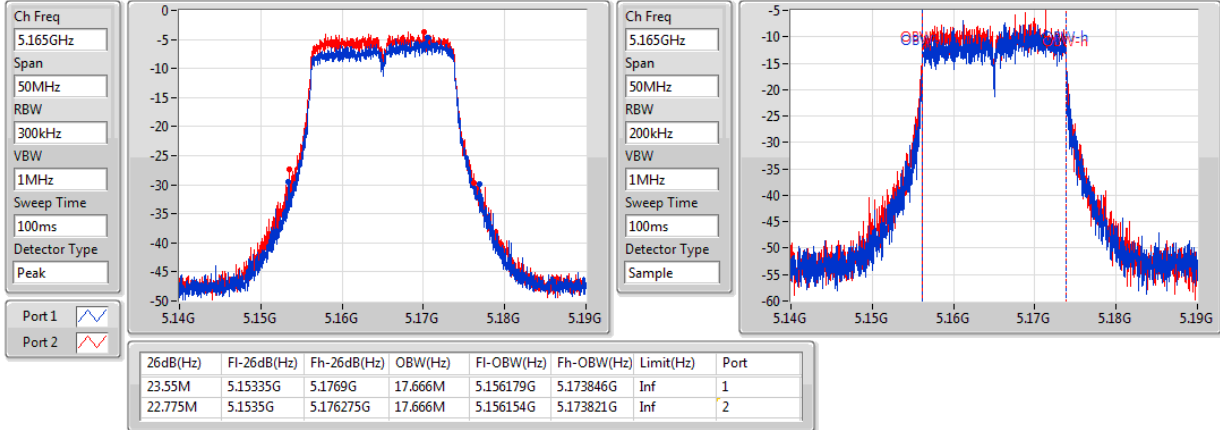
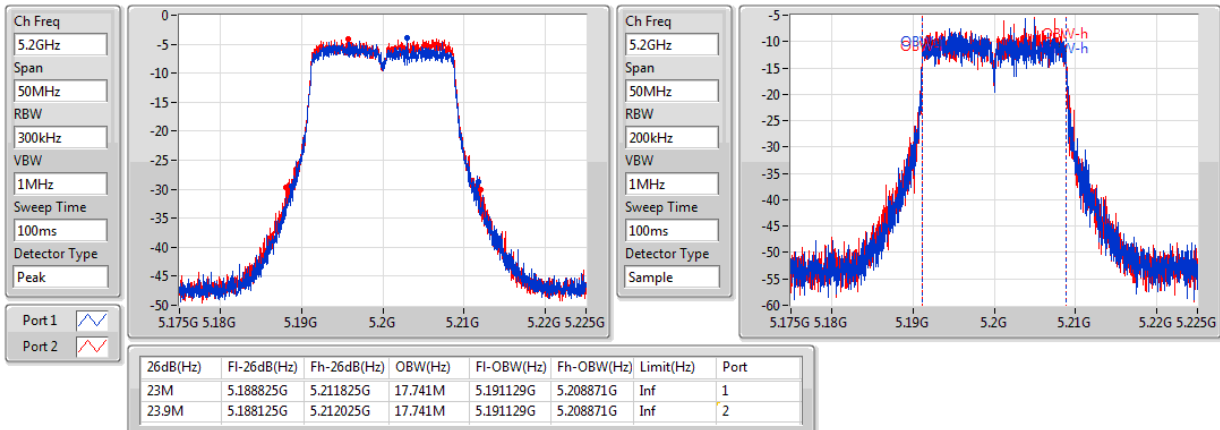
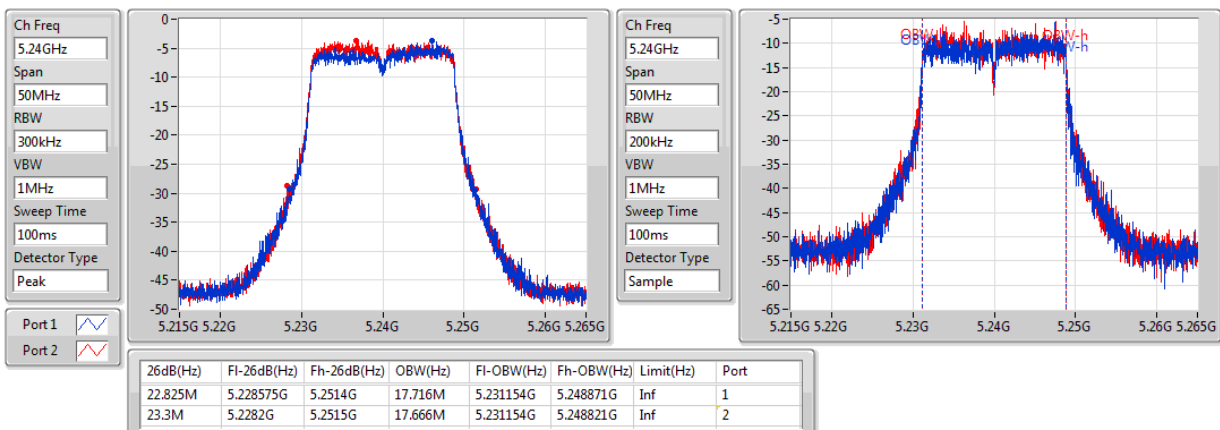
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5200MHz	Pass	Inf	90.1M	75.662M	90.2M	75.862M
5210MHz	Pass	Inf	91.2M	75.862M	88.2M	75.862M
5770MHz	Pass	500k	73.2M	75.662M	73.2M	75.962M
5790MHz	Pass	500k	75.6M	75.662M	73.5M	75.662M
5805MHz	Pass	500k	73.1M	75.862M	75.4M	75.862M

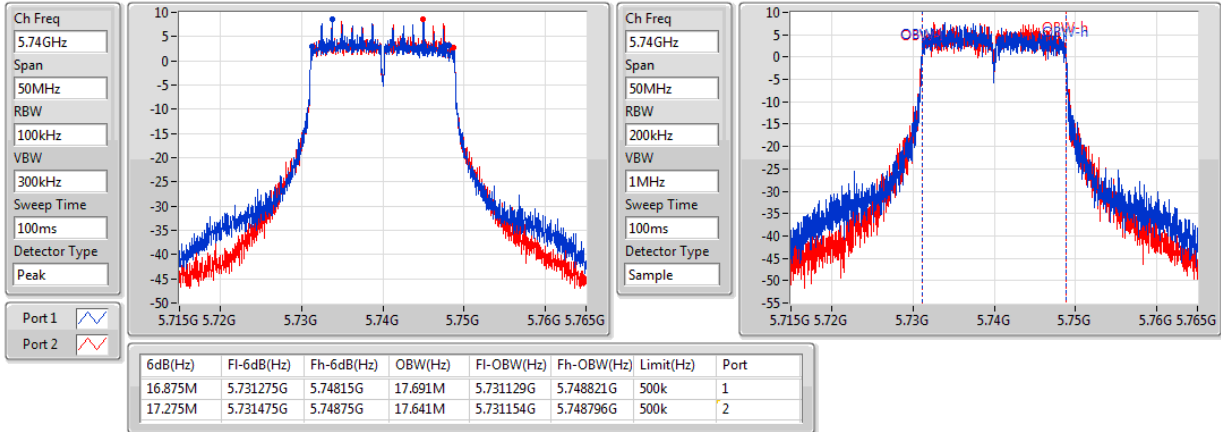
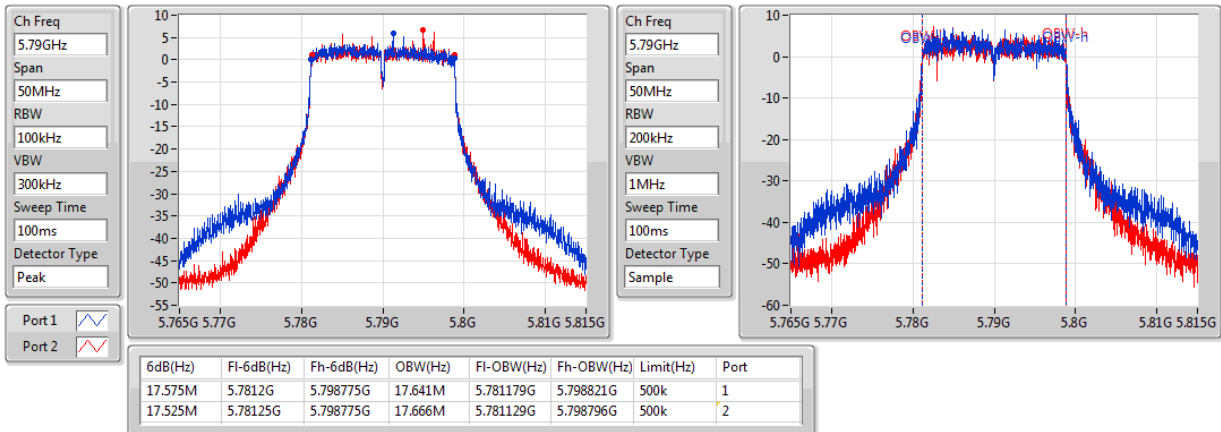
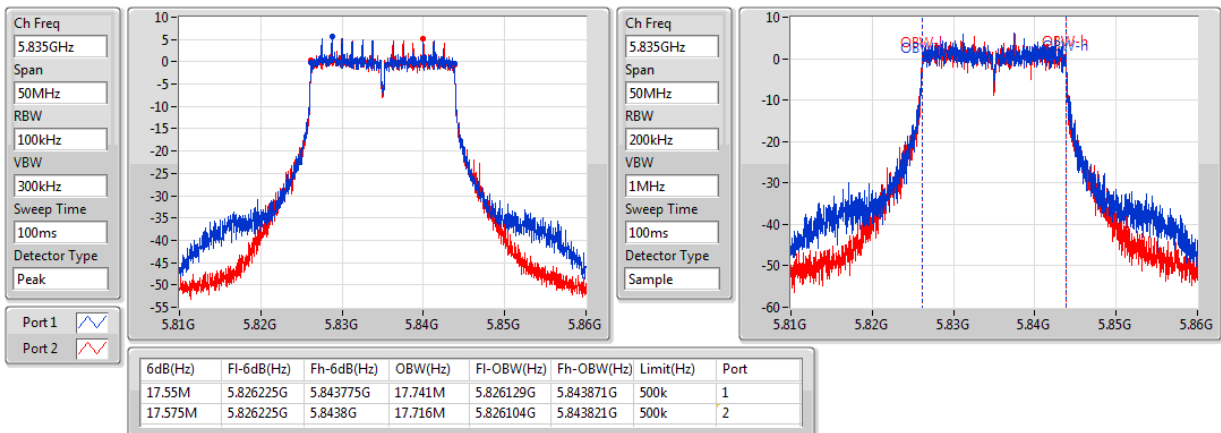
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

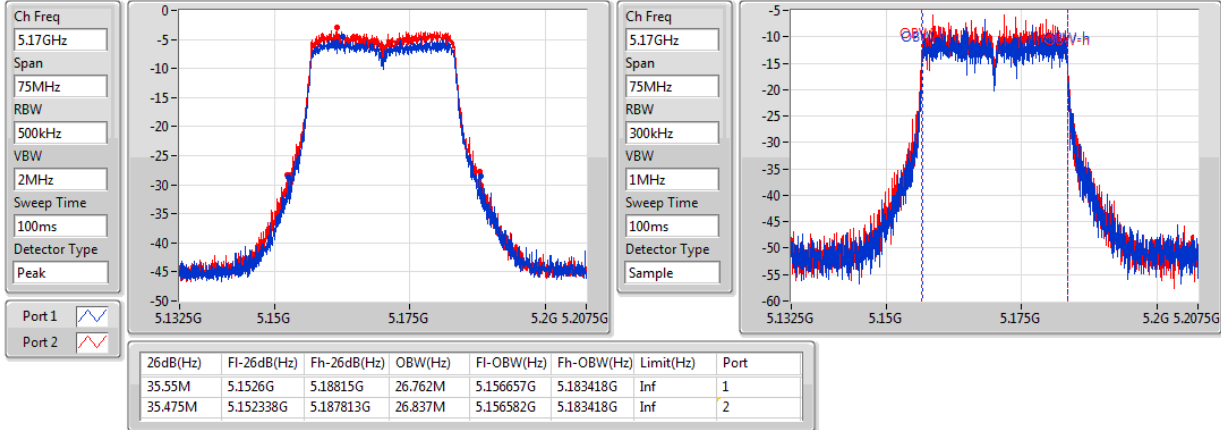
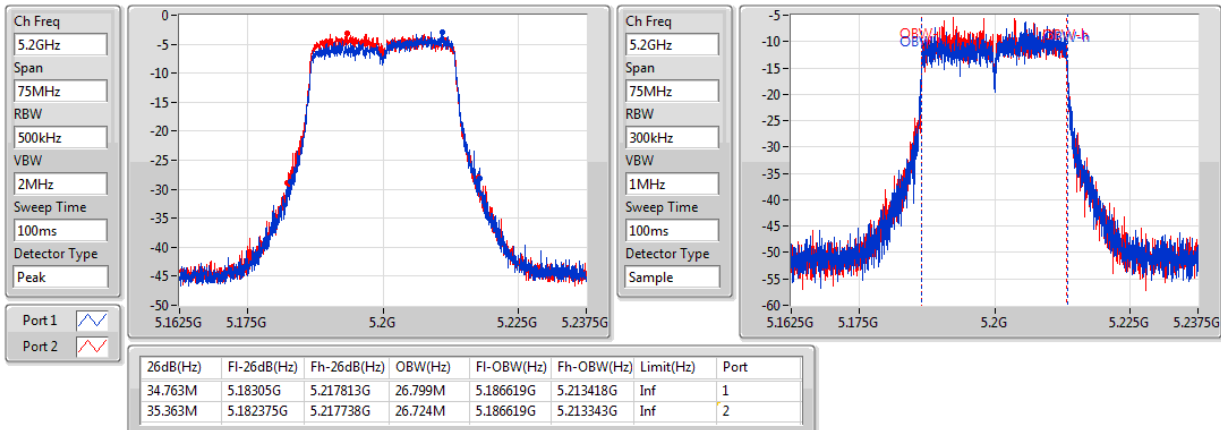
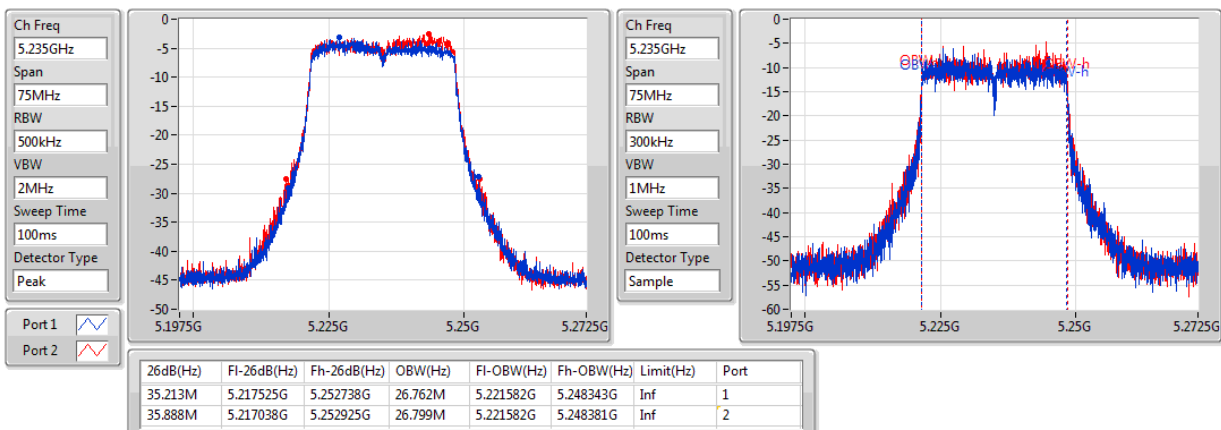
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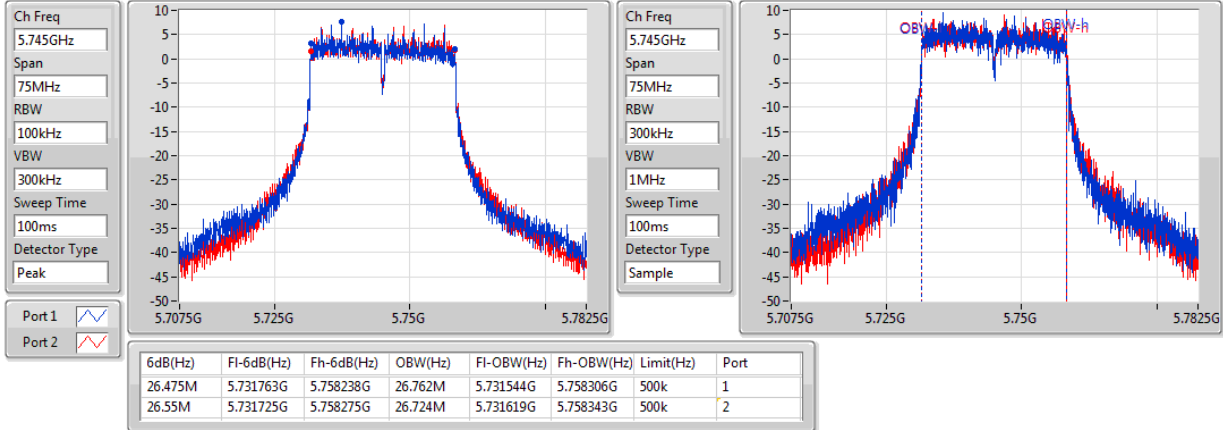
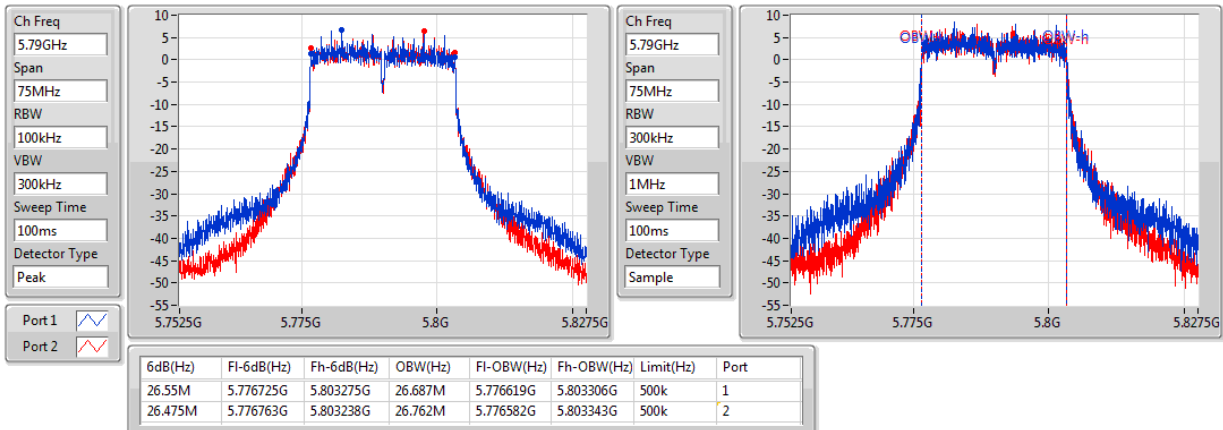
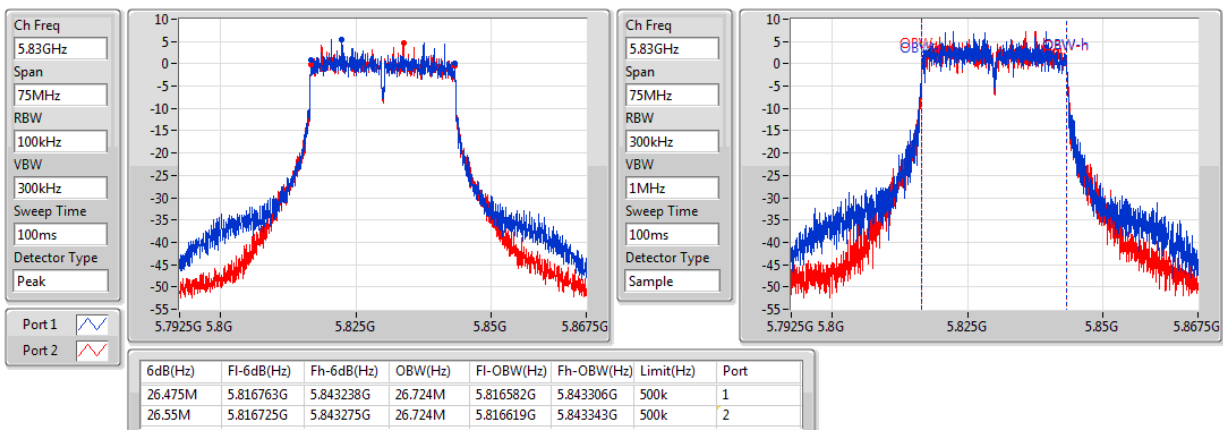
802.11ac VHT10_Nss1,(MCS0)_2TX
EBW
5160MHz

802.11ac VHT10_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT10_Nss1,(MCS0)_2TX
EBW
5245MHz


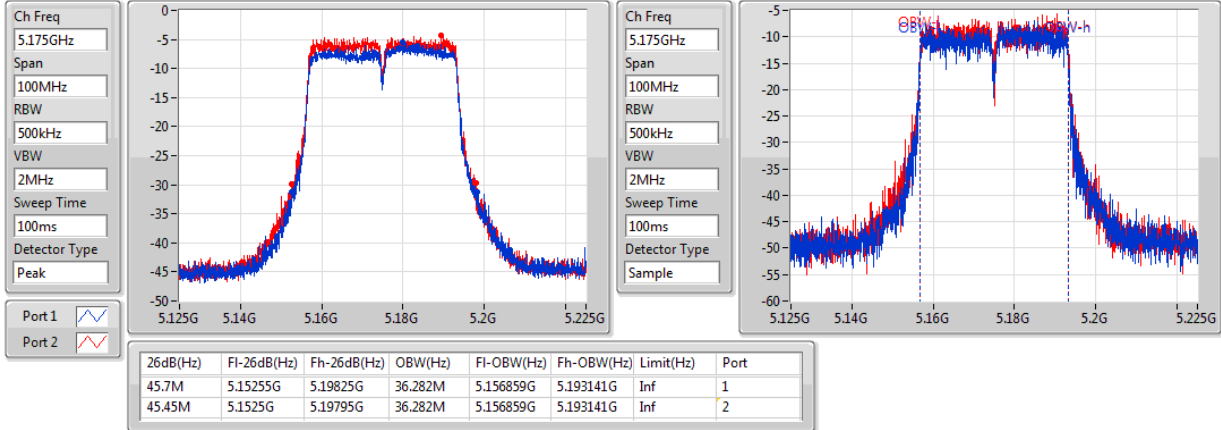
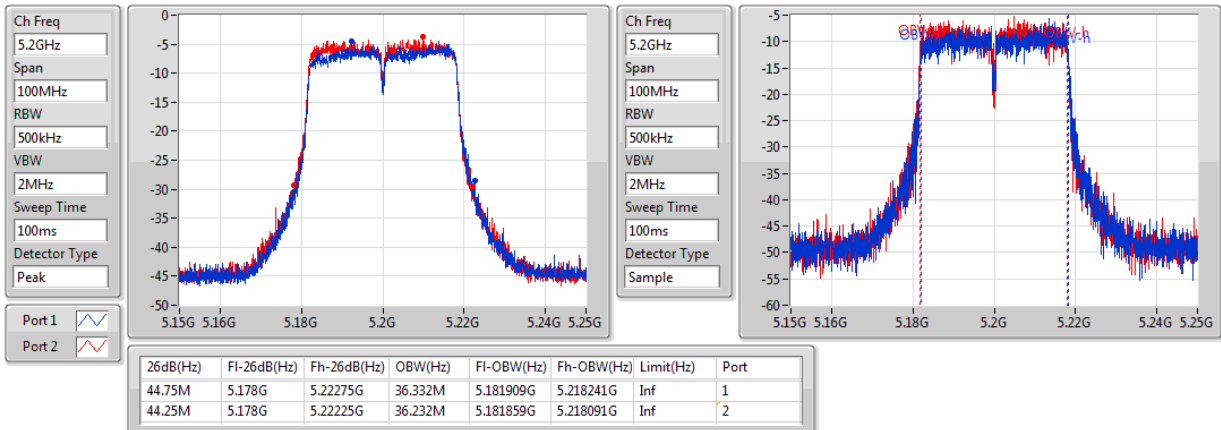
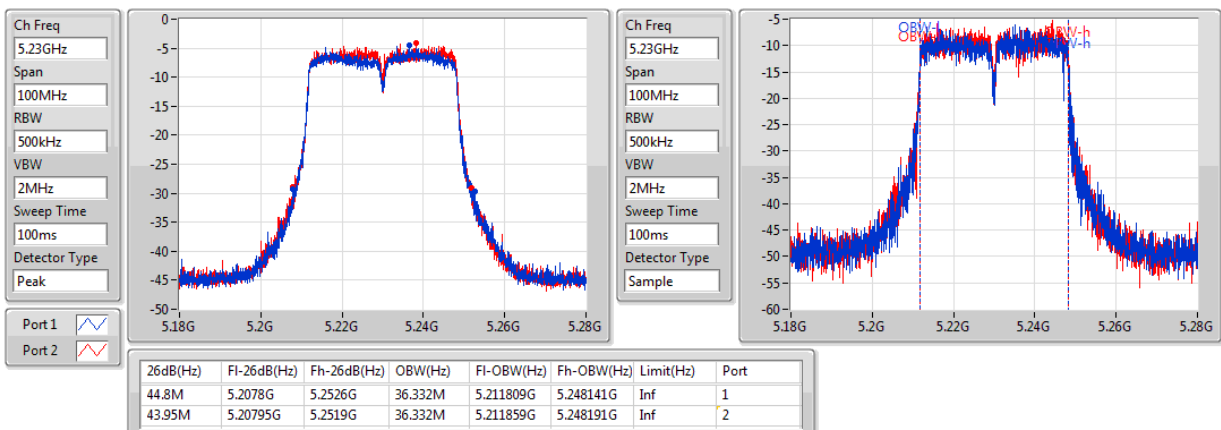
802.11ac VHT10_Nss1,(MCS0)_2TX
EBW
5735MHz

802.11ac VHT10_Nss1,(MCS0)_2TX
EBW
5790MHz

802.11ac VHT10_Nss1,(MCS0)_2TX
EBW
5840MHz


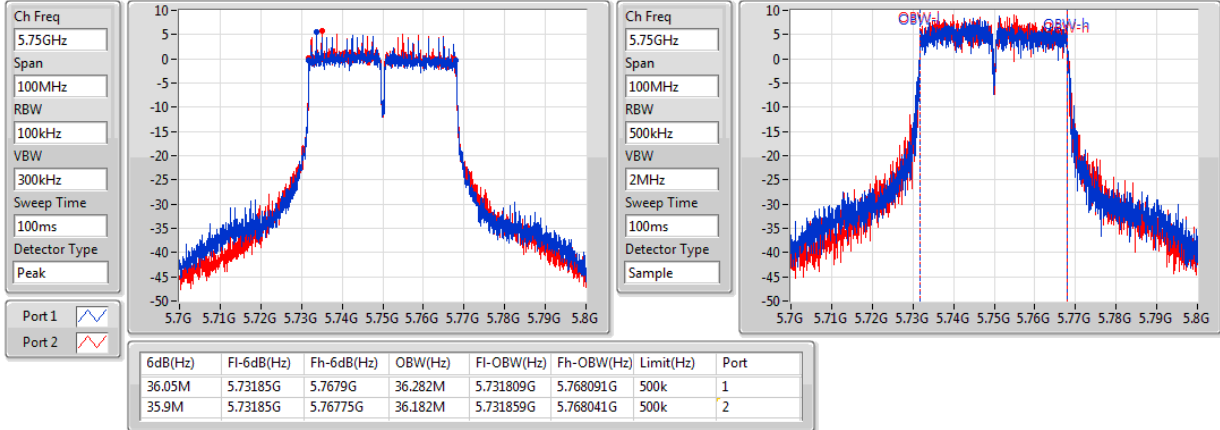
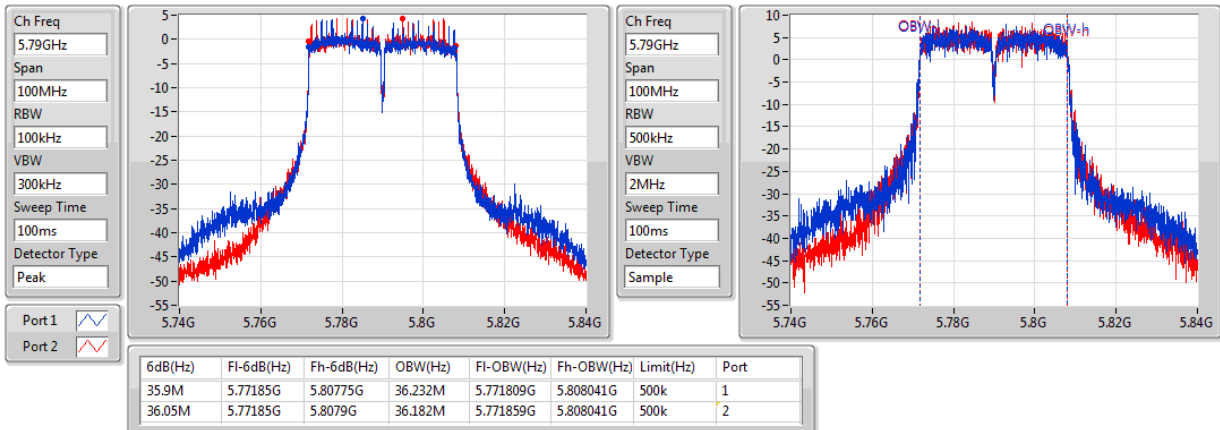
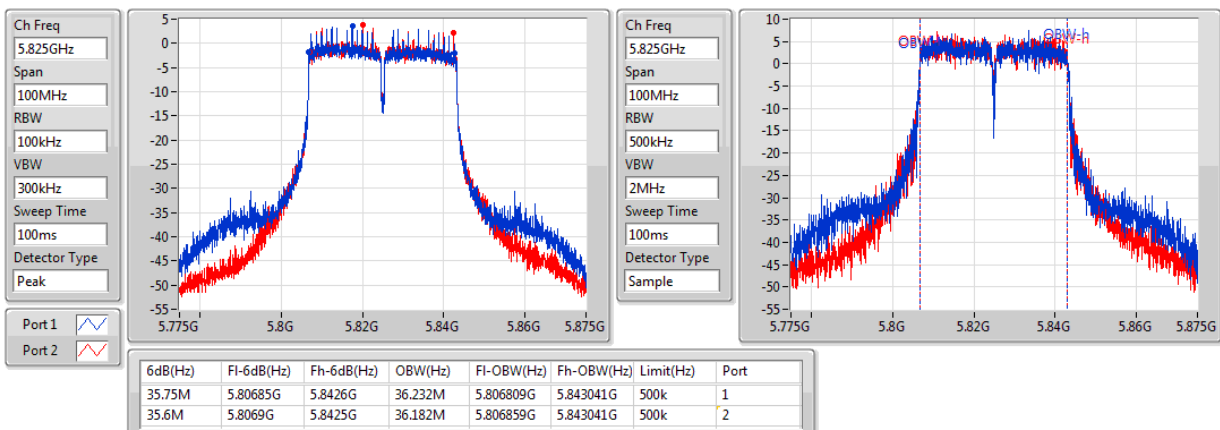
802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5165MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5240MHz


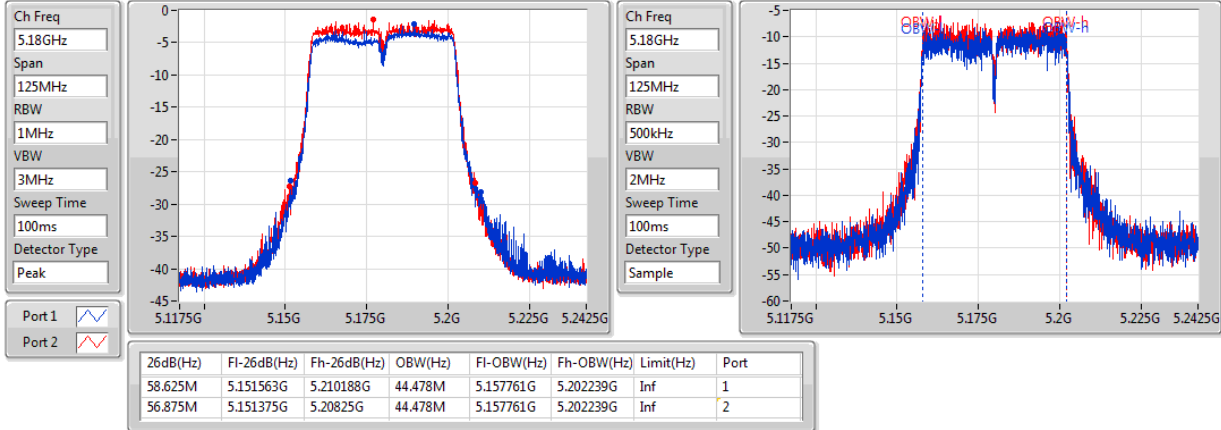
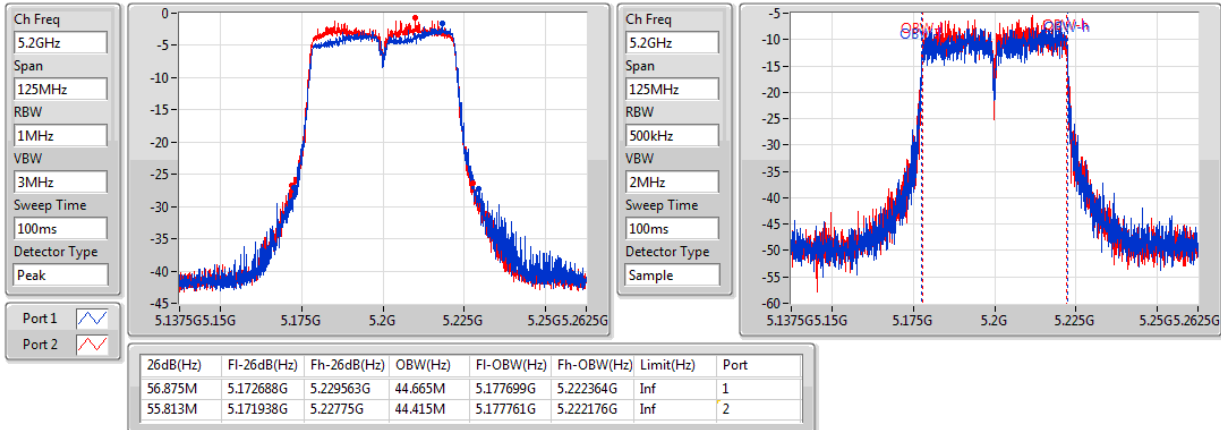
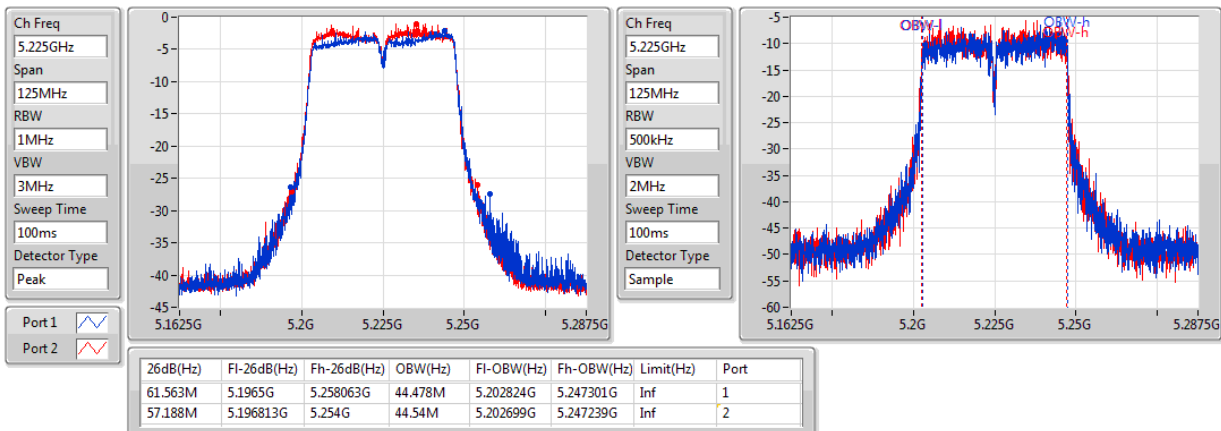
802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5740MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5790MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5835MHz


802.11ac VHT30_Nss1,(MCS0)_2TX
EBW
5170MHz

802.11ac VHT30_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT30_Nss1,(MCS0)_2TX
EBW
5235MHz


802.11ac VHT30_Nss1,(MCS0)_2TX
EBW
5745MHz

802.11ac VHT30_Nss1,(MCS0)_2TX
EBW
5790MHz

802.11ac VHT30_Nss1,(MCS0)_2TX
EBW
5830MHz


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5175MHz

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5230MHz


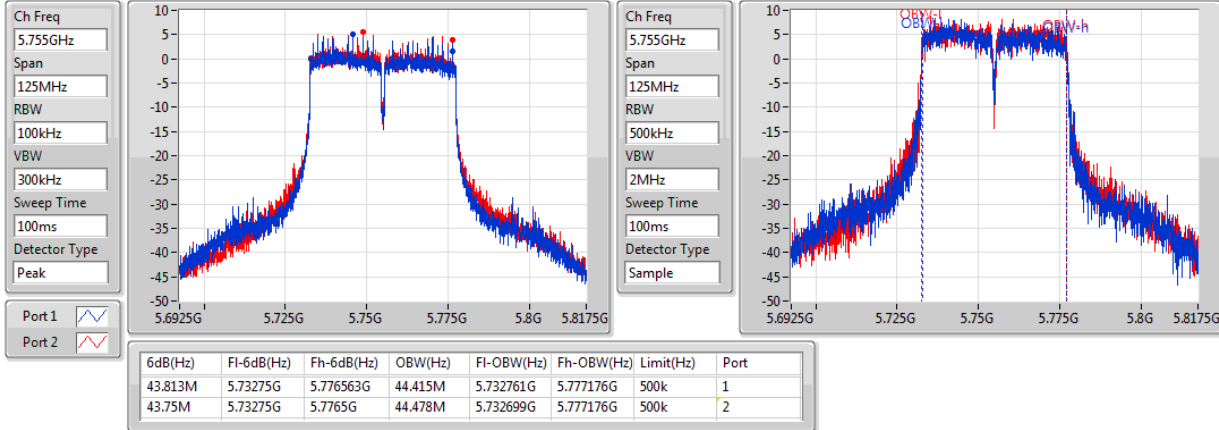
802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5750MHz

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5790MHz

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5825MHz


802.11ac VHT50_Nss1,(MCS0)_2TX
EBW
5180MHz

802.11ac VHT50_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT50_Nss1,(MCS0)_2TX
EBW
5225MHz


802.11ac VHT50_Nss1,(MCS0)_2TX

EBW

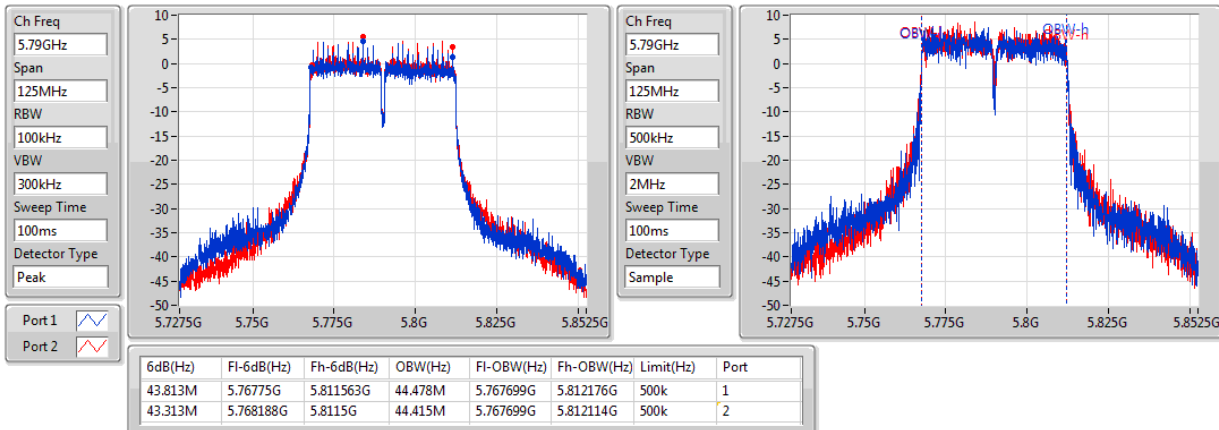
5755MHz



802.11ac VHT50_Nss1,(MCS0)_2TX

EBW

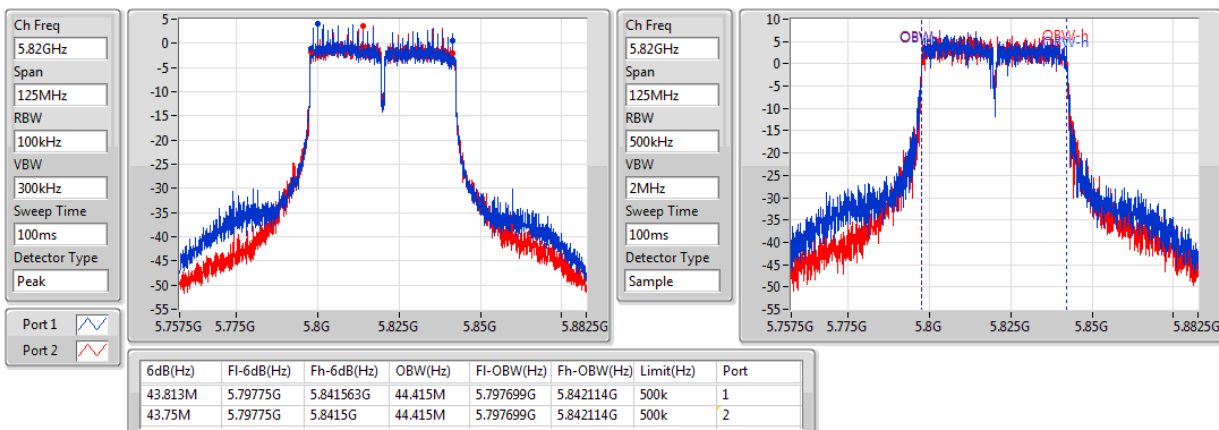
5790MHz

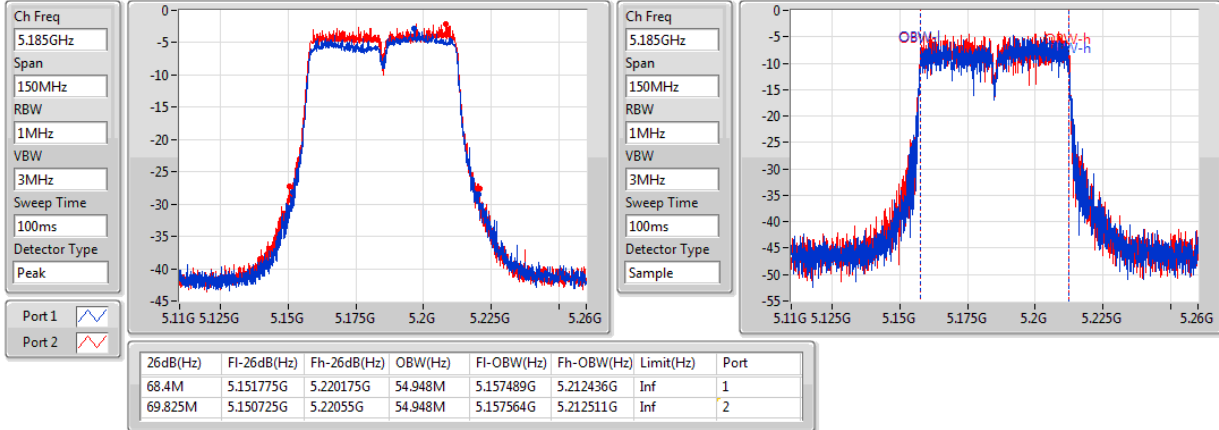
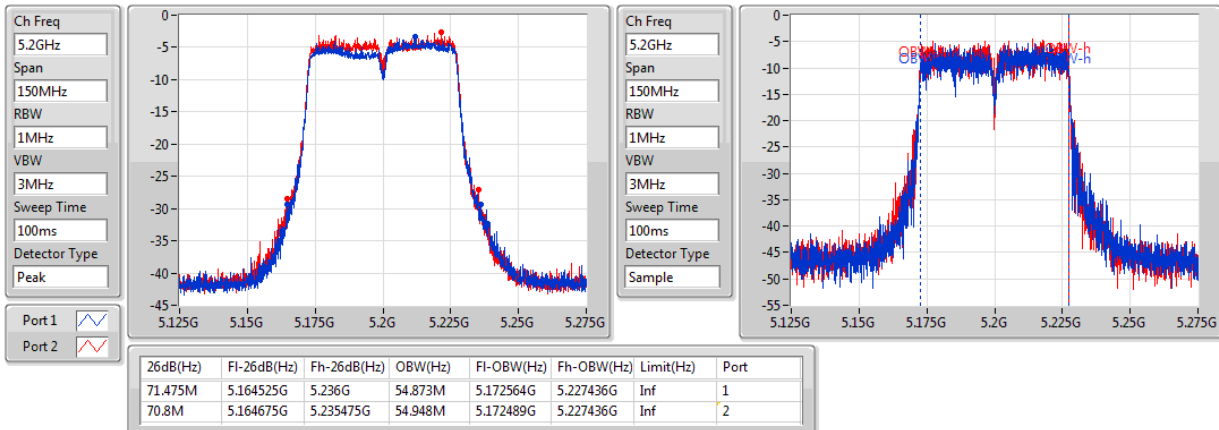
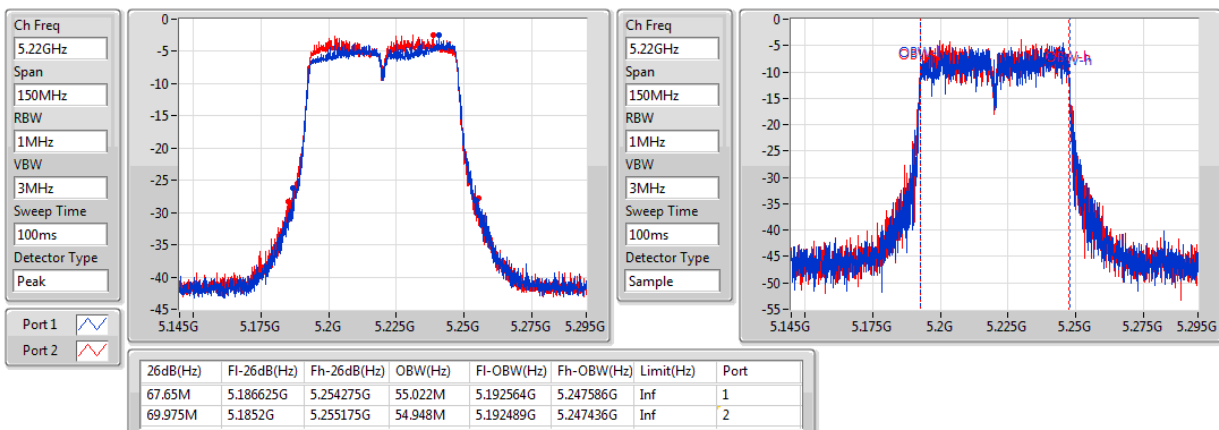


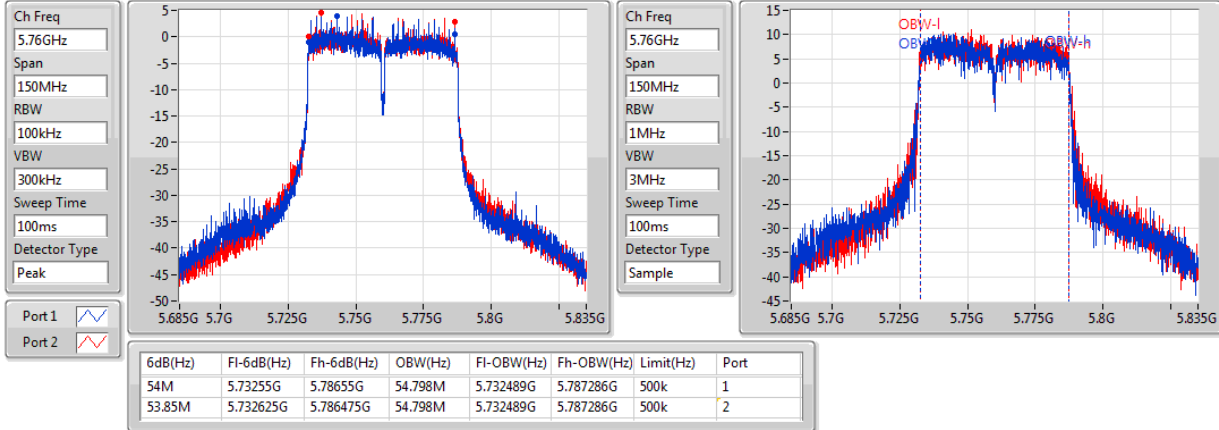
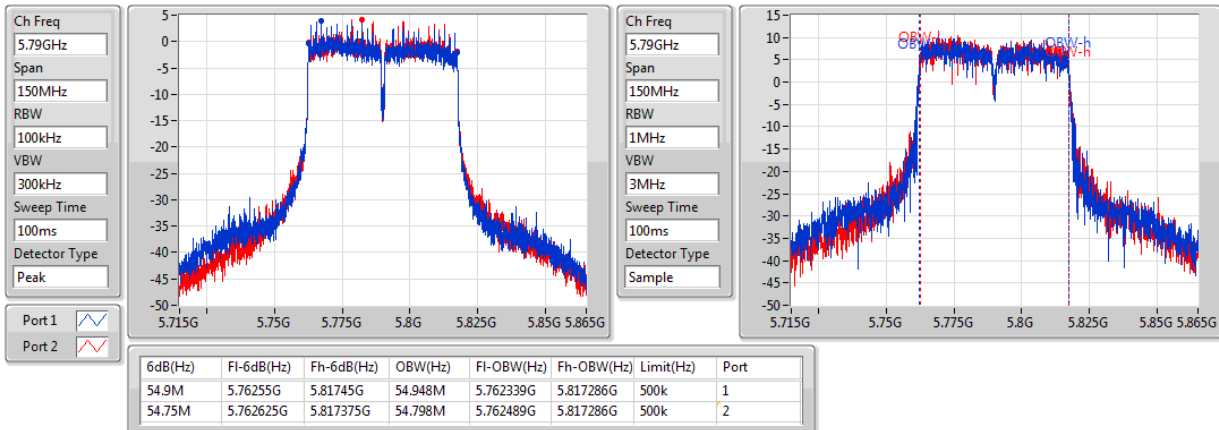
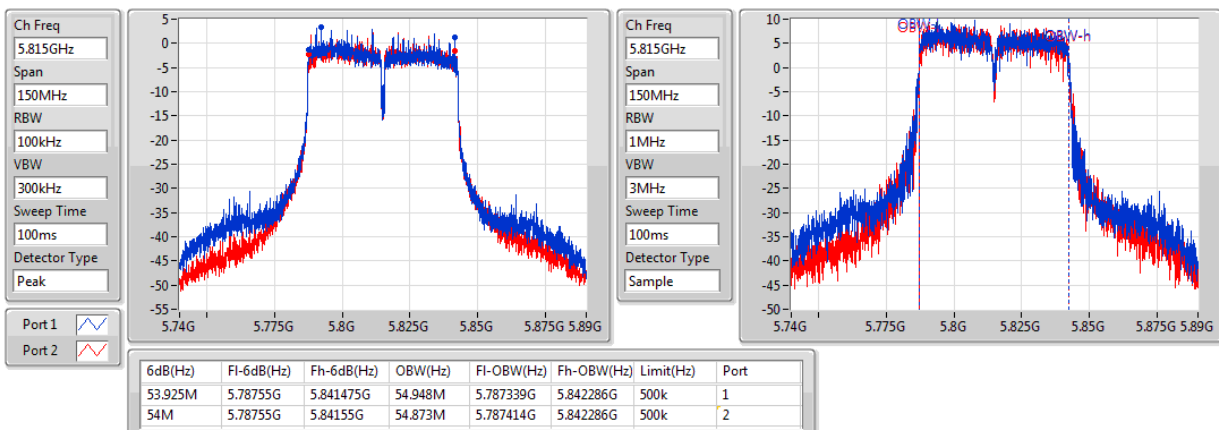
802.11ac VHT50_Nss1,(MCS0)_2TX

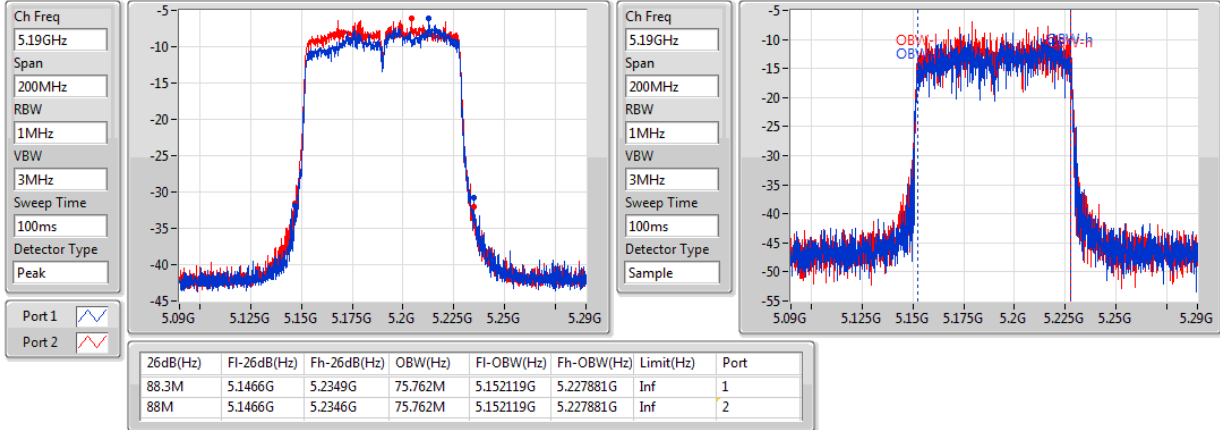
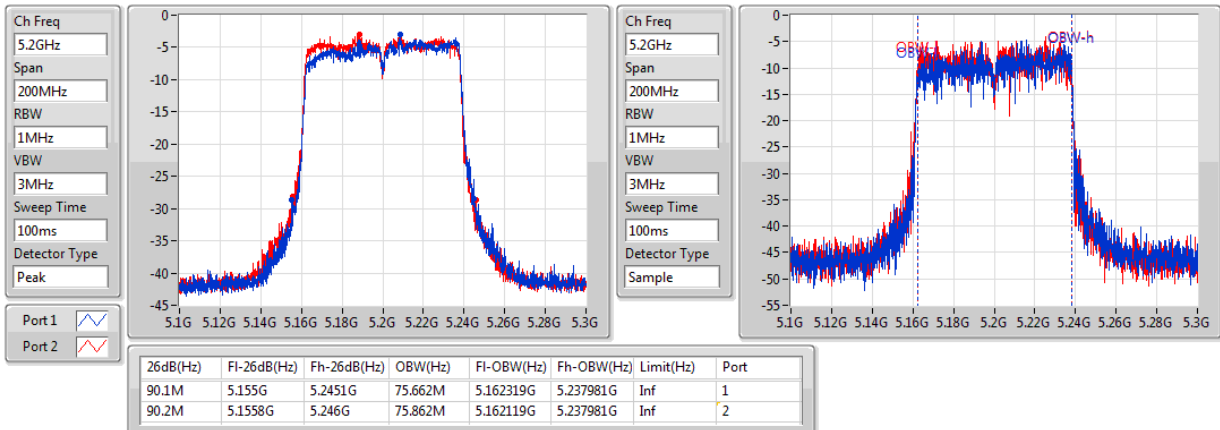
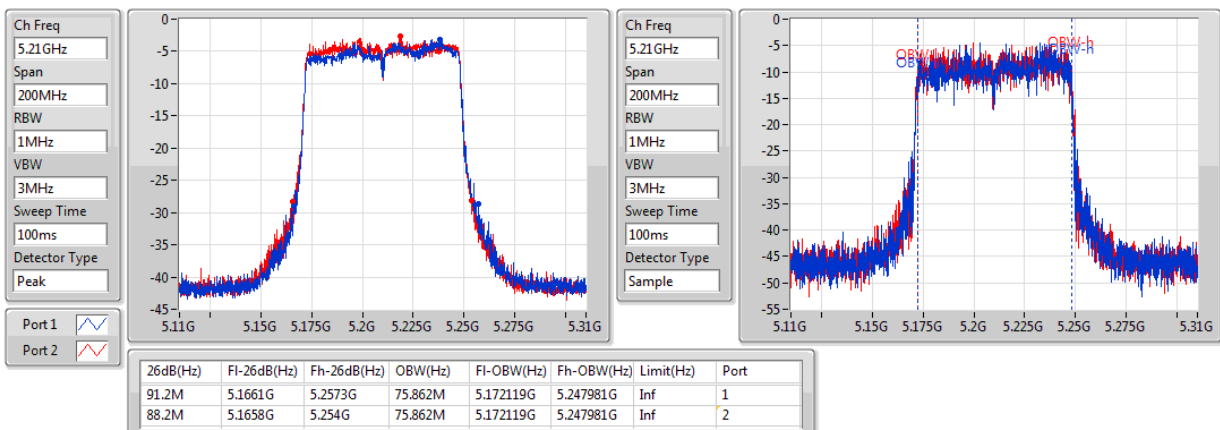
EBW

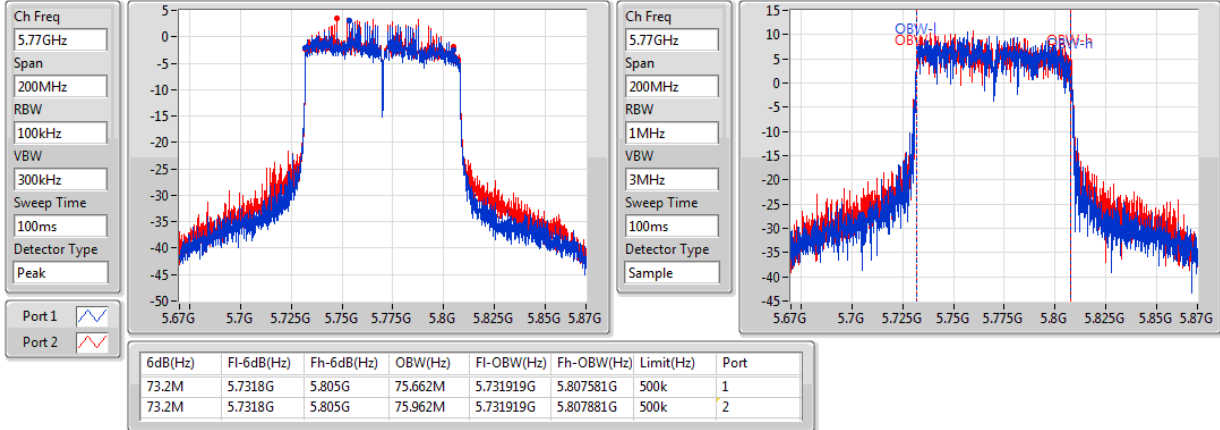
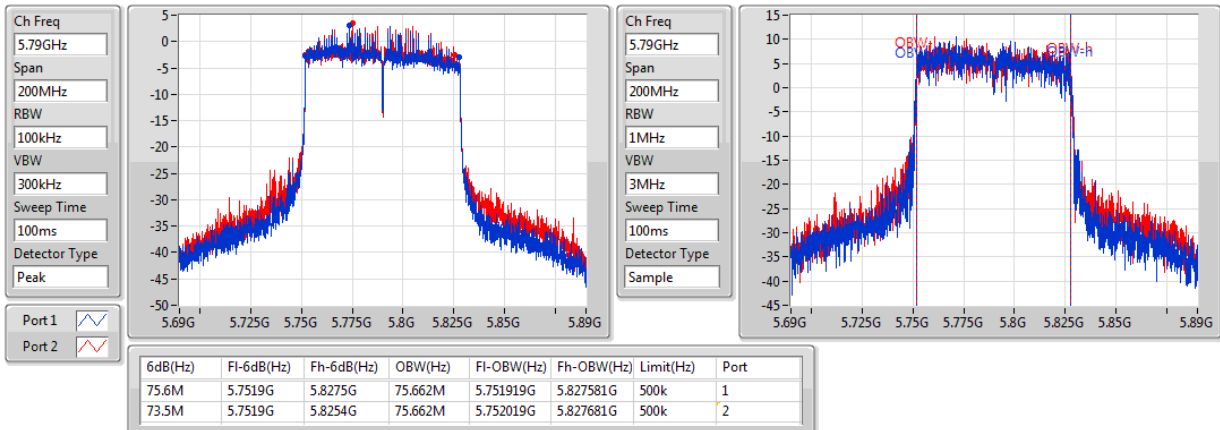
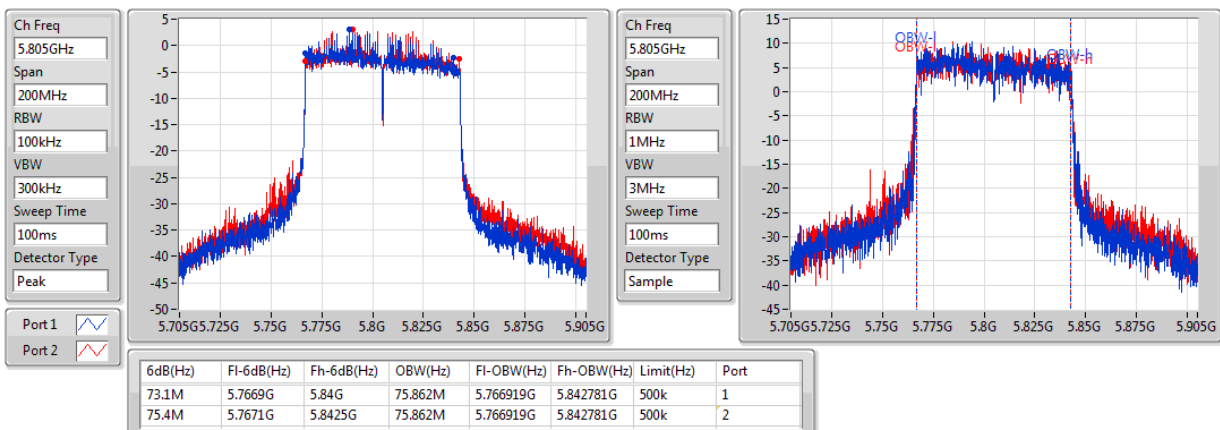
5820MHz



802.11ac VHT60_Nss1,(MCS0)_2TX
EBW
5185MHz

802.11ac VHT60_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT60_Nss1,(MCS0)_2TX
EBW
5220MHz


802.11ac VHT60_Nss1,(MCS0)_2TX
EBW
5760MHz

802.11ac VHT60_Nss1,(MCS0)_2TX
EBW
5790MHz

802.11ac VHT60_Nss1,(MCS0)_2TX
EBW
5815MHz


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5190MHz

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5210MHz


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5770MHz

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5790MHz

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5805MHz


Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT10_Nss1,(MCS0)_2TX	13.125M	8.908M	8M91D1D	12.438M	8.858M
802.11ac VHT20_Nss1,(MCS0)_2TX	24.75M	17.716M	17M7D1D	22.9M	17.666M
802.11ac VHT30_Nss1,(MCS0)_2TX	42.413M	26.874M	26M9D1D	34.538M	26.687M
802.11ac VHT40_Nss1,(MCS0)_2TX	45.85M	36.282M	36M3D1D	43.25M	36.182M
802.11ac VHT50_Nss1,(MCS0)_2TX	55.938M	44.54M	44M5D1D	54.25M	44.353M
802.11ac VHT60_Nss1,(MCS0)_2TX	67.8M	54.948M	54M9D1D	66.225M	54.723M
802.11ac VHT80_Nss1,(MCS0)_2TX	88.9M	75.762M	75M8D1D	86.9M	75.562M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT10_Nss1,(MCS0)_2TX	8.838M	8.908M	8M91D1D	8.8M	8.858M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.575M	17.741M	17M7D1D	16.875M	17.641M
802.11ac VHT30_Nss1,(MCS0)_2TX	26.55M	26.762M	26M8D1D	26.475M	26.687M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.05M	36.282M	36M3D1D	35.6M	36.182M
802.11ac VHT50_Nss1,(MCS0)_2TX	43.813M	44.478M	44M5D1D	43.313M	44.415M
802.11ac VHT60_Nss1,(MCS0)_2TX	54.9M	54.948M	54M9D1D	53.85M	54.798M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.6M	75.962M	76M0D1D	73.1M	75.662M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5160MHz	Pass	Inf	12.675M	8.883M	13.088M	8.908M
5200MHz	Pass	Inf	12.513M	8.883M	12.588M	8.883M
5245MHz	Pass	Inf	12.438M	8.858M	13.125M	8.883M
5735MHz	Pass	500k	8.825M	8.908M	8.838M	8.871M
5790MHz	Pass	500k	8.8M	8.871M	8.838M	8.871M
5840MHz	Pass	500k	8.813M	8.858M	8.838M	8.883M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5165MHz	Pass	Inf	22.9M	17.666M	23.525M	17.716M
5200MHz	Pass	Inf	24.25M	17.716M	23.975M	17.716M
5240MHz	Pass	Inf	23.925M	17.716M	24.75M	17.716M
5740MHz	Pass	500k	16.875M	17.691M	17.275M	17.641M
5790MHz	Pass	500k	17.575M	17.641M	17.525M	17.666M
5835MHz	Pass	500k	17.55M	17.741M	17.575M	17.716M
802.11ac VHT30_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5170MHz	Pass	Inf	35.138M	26.724M	35.888M	26.687M
5200MHz	Pass	Inf	34.763M	26.724M	34.538M	26.762M
5235MHz	Pass	Inf	41.288M	26.799M	42.413M	26.874M
5745MHz	Pass	500k	26.475M	26.762M	26.55M	26.724M
5790MHz	Pass	500k	26.55M	26.687M	26.475M	26.762M
5830MHz	Pass	500k	26.475M	26.724M	26.55M	26.724M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5175MHz	Pass	Inf	43.25M	36.232M	43.25M	36.232M
5200MHz	Pass	Inf	43.95M	36.182M	43.9M	36.232M
5230MHz	Pass	Inf	45.05M	36.282M	45.85M	36.182M
5750MHz	Pass	500k	36.05M	36.282M	35.9M	36.182M
5790MHz	Pass	500k	35.9M	36.232M	36.05M	36.182M
5825MHz	Pass	500k	35.75M	36.232M	35.6M	36.182M
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	55.938M	44.415M	55.438M	44.478M
5200MHz	Pass	Inf	55M	44.415M	54.688M	44.353M
5225MHz	Pass	Inf	55.688M	44.415M	54.25M	44.54M
5755MHz	Pass	500k	43.813M	44.415M	43.75M	44.478M
5790MHz	Pass	500k	43.813M	44.478M	43.313M	44.415M
5820MHz	Pass	500k	43.813M	44.415M	43.75M	44.415M
802.11ac VHT60_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5185MHz	Pass	Inf	67.8M	54.948M	67.8M	54.948M
5200MHz	Pass	Inf	66.975M	54.723M	66.225M	54.798M
5220MHz	Pass	Inf	66.975M	54.723M	66.45M	54.798M
5760MHz	Pass	500k	54M	54.798M	53.85M	54.798M
5790MHz	Pass	500k	54.9M	54.948M	54.75M	54.798M
5815MHz	Pass	500k	53.925M	54.948M	54M	54.873M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	88.3M	75.762M	88M	75.762M



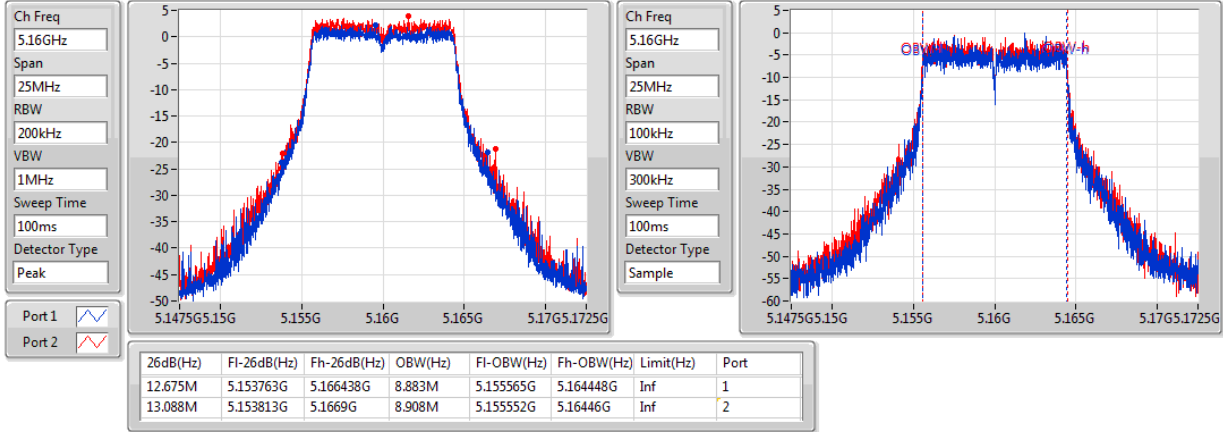
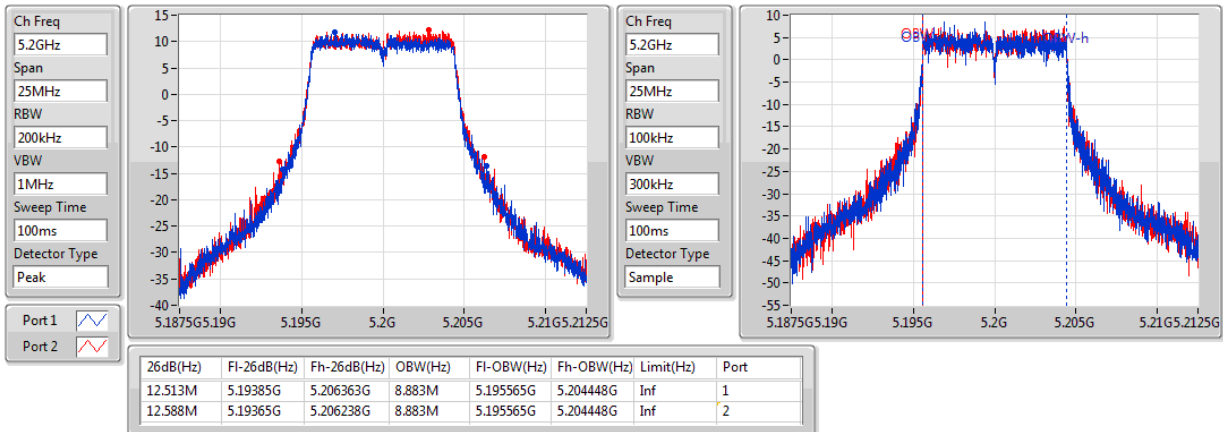
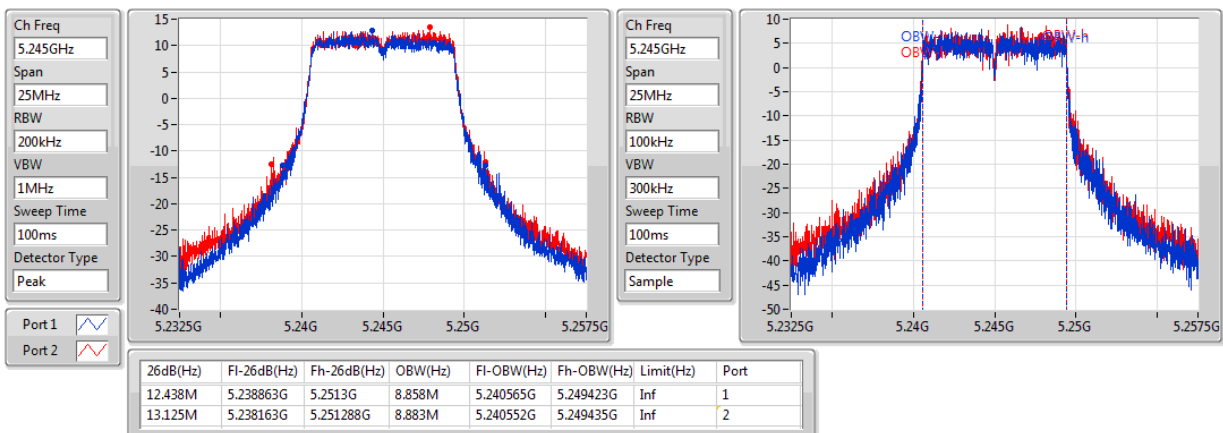
EBW Result (P to P)

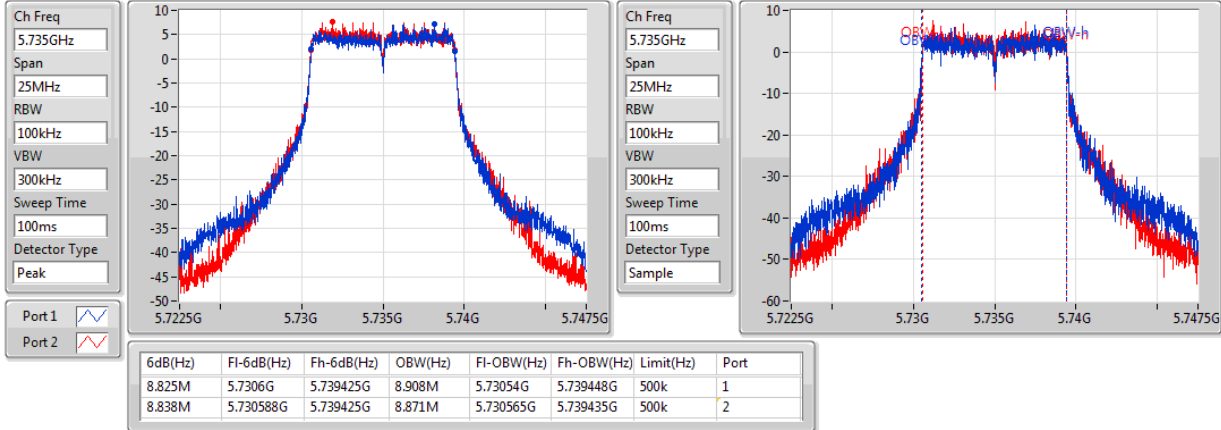
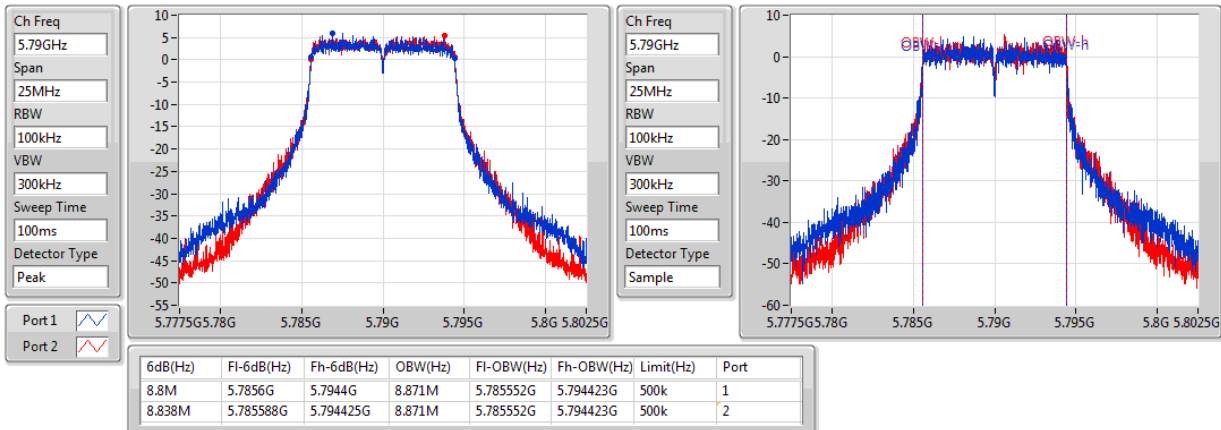
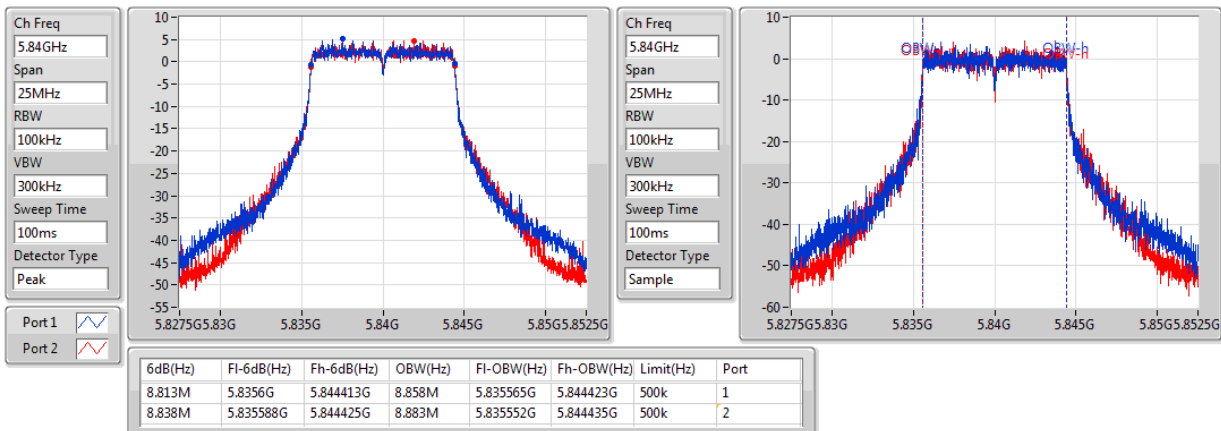
Appendix B

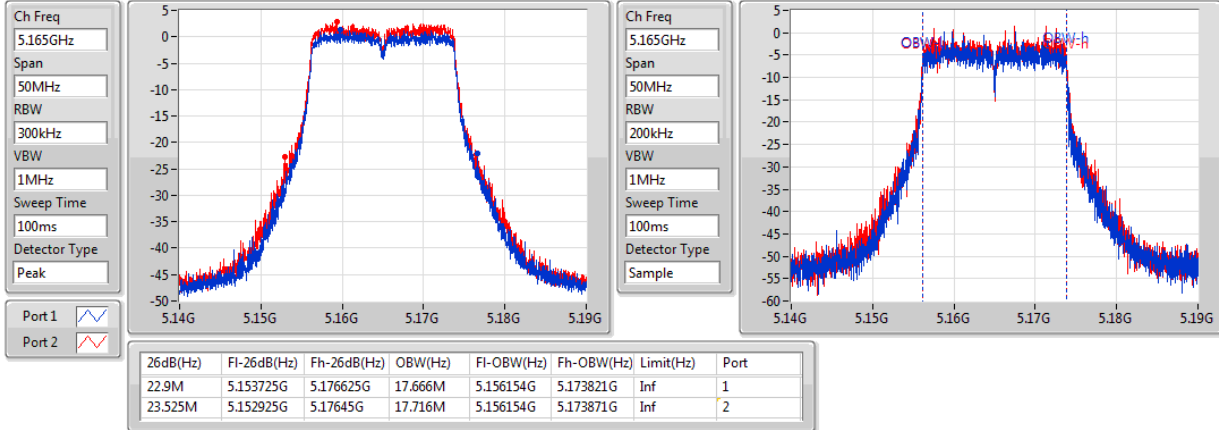
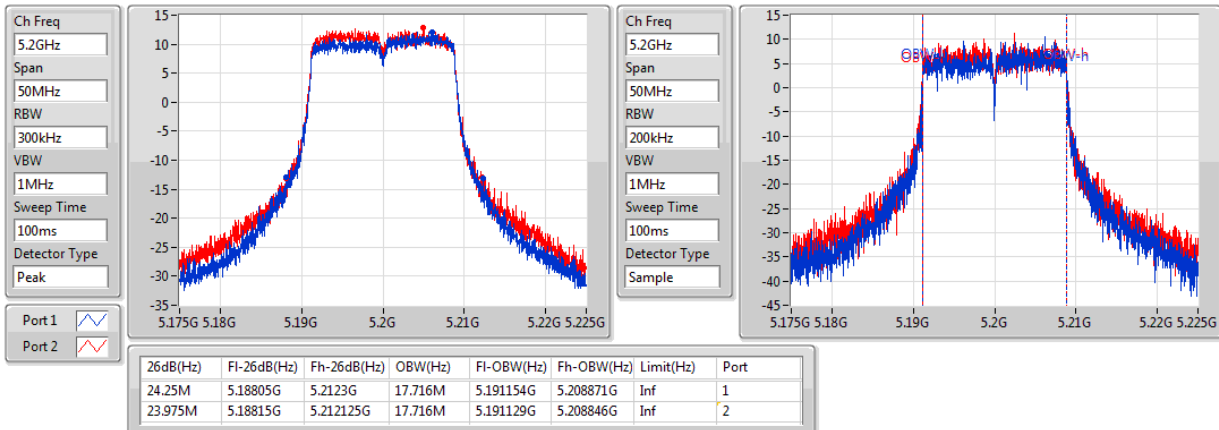
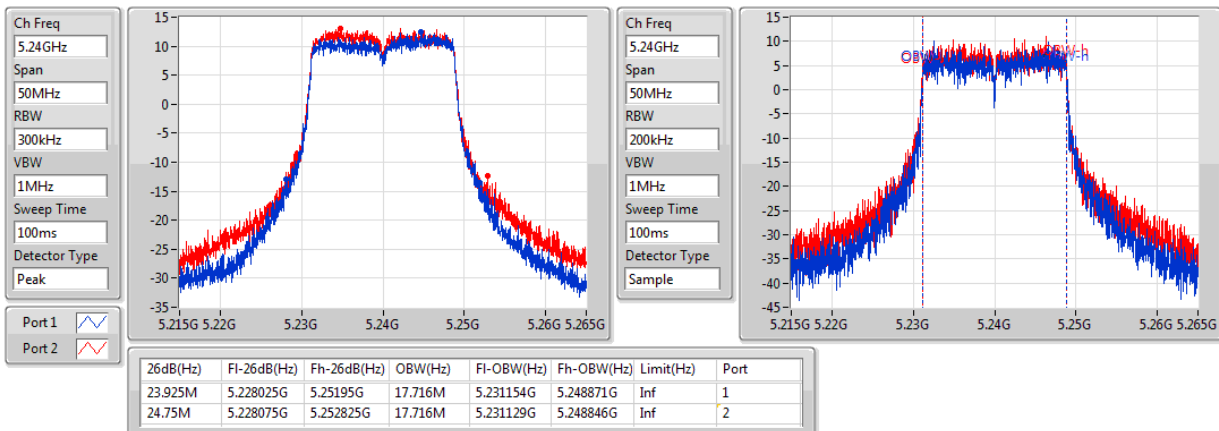
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5200MHz	Pass	Inf	88.9M	75.762M	87.3M	75.762M
5210MHz	Pass	Inf	87.6M	75.762M	86.9M	75.562M
5770MHz	Pass	500k	73.2M	75.662M	73.2M	75.962M
5790MHz	Pass	500k	75.6M	75.662M	73.5M	75.662M
5805MHz	Pass	500k	73.1M	75.862M	75.4M	75.862M

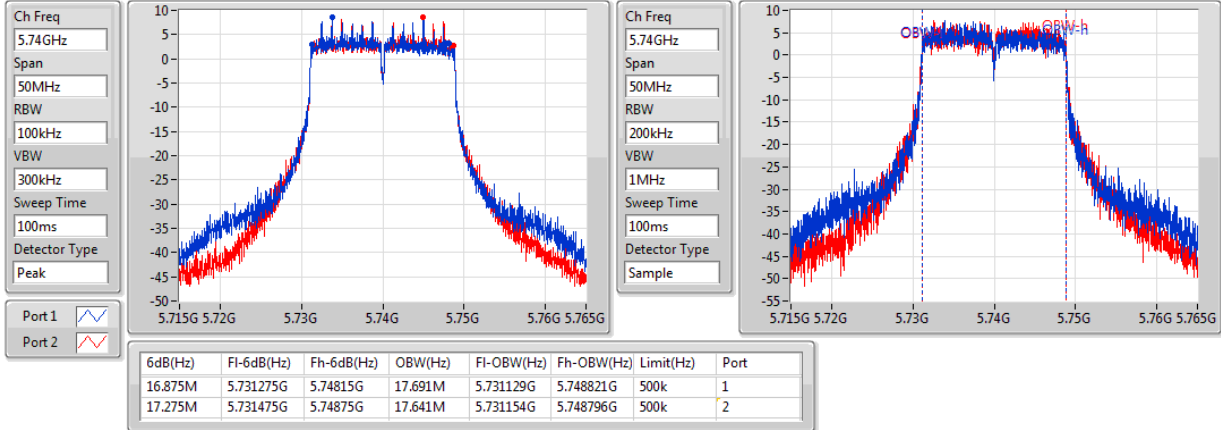
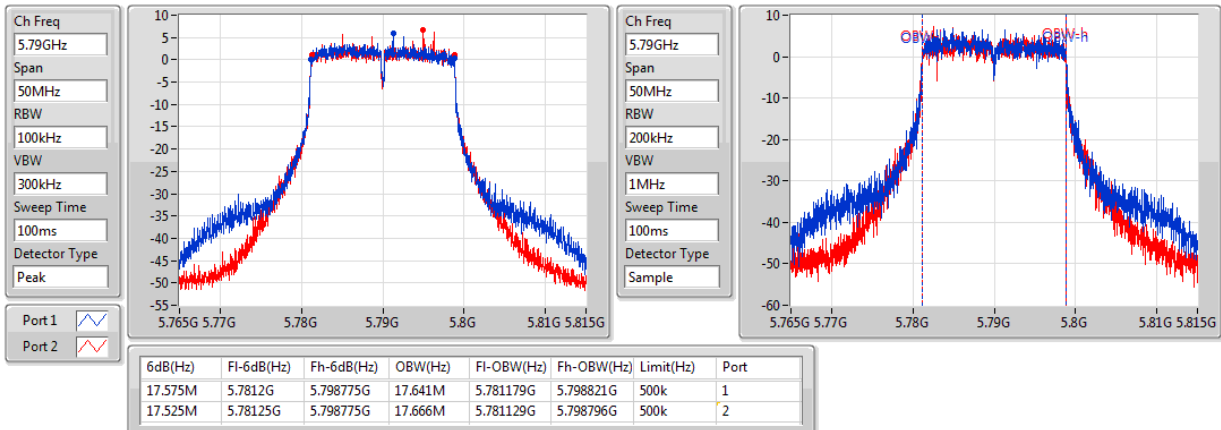
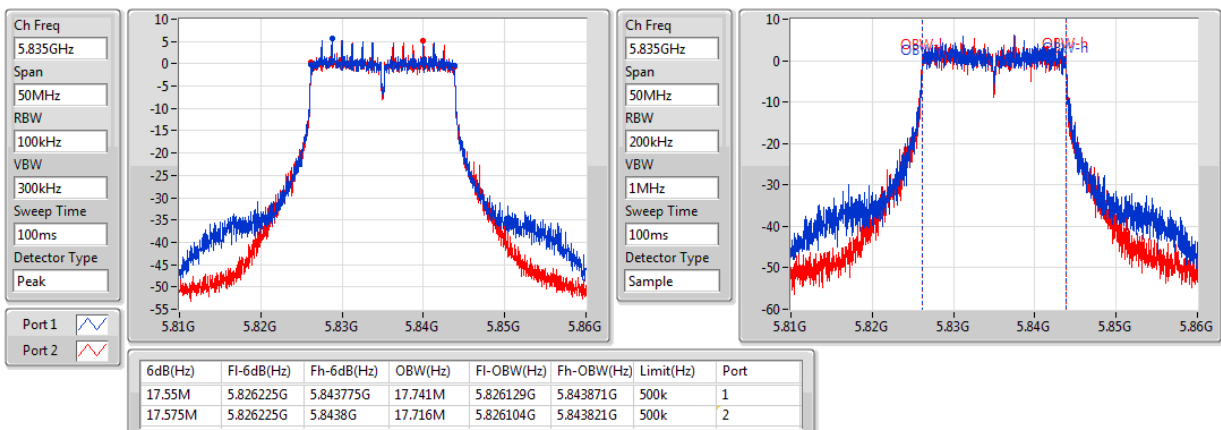
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

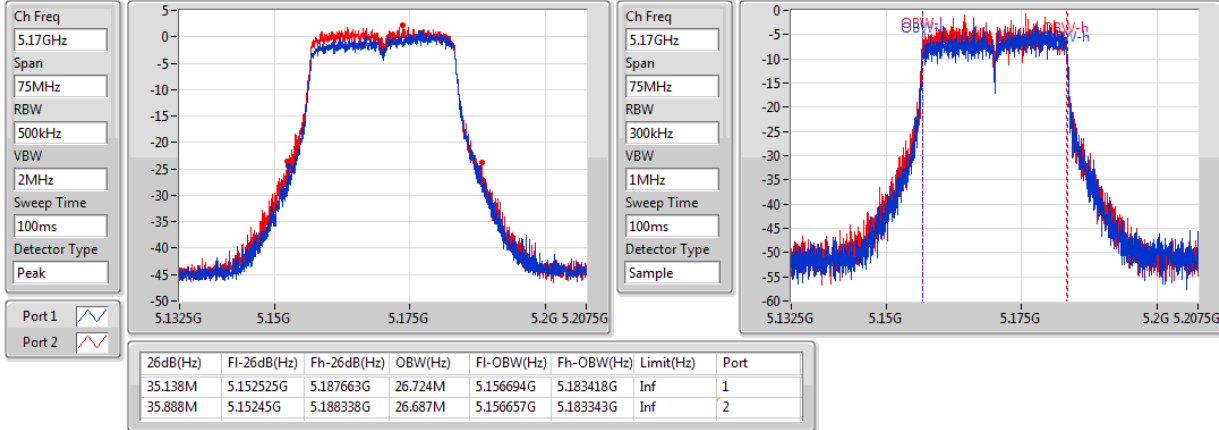
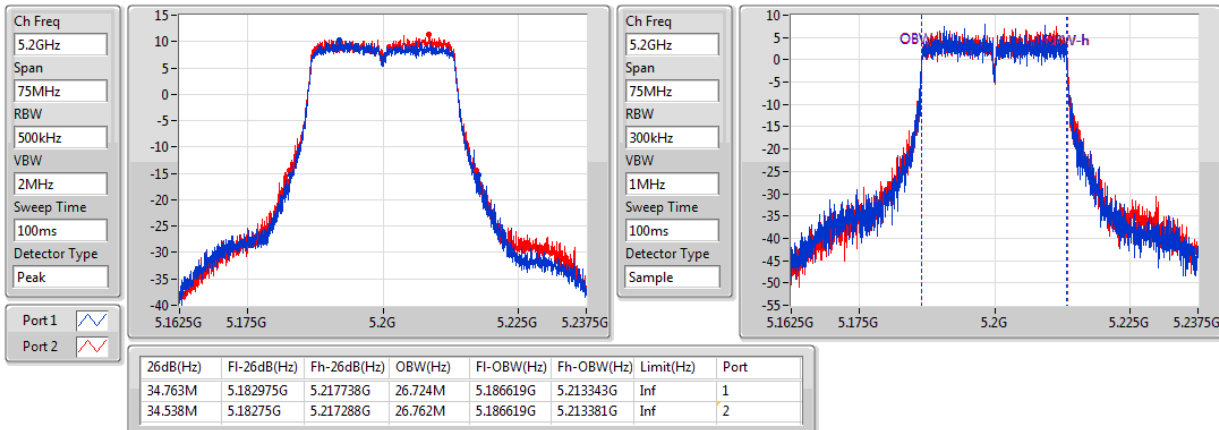
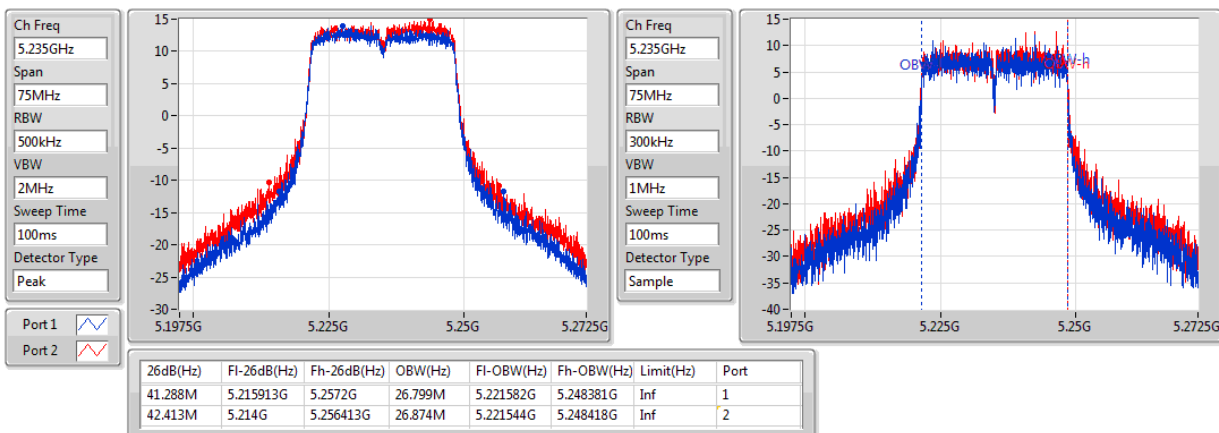
Port X-OBW = Port X 99% occupied bandwidth;

802.11ac VHT10_Nss1,(MCS0)_2TX
EBW
5160MHz

802.11ac VHT10_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT10_Nss1,(MCS0)_2TX
EBW
5245MHz


802.11ac VHT10_Nss1,(MCS0)_2TX
EBW
5735MHz

802.11ac VHT10_Nss1,(MCS0)_2TX
EBW
5790MHz

802.11ac VHT10_Nss1,(MCS0)_2TX
EBW
5840MHz


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5165MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5240MHz


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5740MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5790MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5835MHz


802.11ac VHT30_Nss1,(MCS0)_2TX
EBW
5170MHz

802.11ac VHT30_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT30_Nss1,(MCS0)_2TX
EBW
5235MHz


802.11ac VHT30_Nss1,(MCS0)_2TX
EBW
5745MHz

Ch Freq
5.745GHz

Span
75MHz

RBW
100kHz

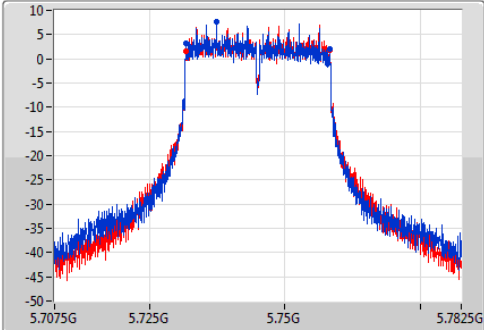
VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port 1 

Port 2 



Ch Freq
5.745GHz

Span
75MHz

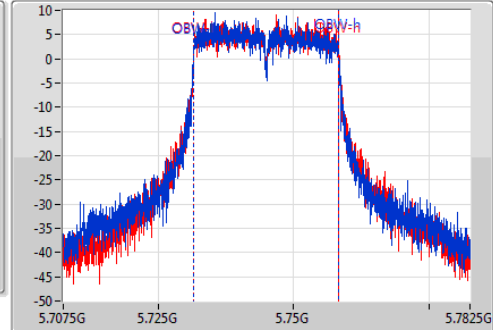
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.475M	5.731763G	5.758238G	26.762M	5.731544G	5.758306G	500k	1
26.55M	5.731725G	5.758275G	26.724M	5.731619G	5.758343G	500k	2

802.11ac VHT30_Nss1,(MCS0)_2TX
EBW
5790MHz

Ch Freq
5.79GHz

Span
75MHz

RBW
100kHz

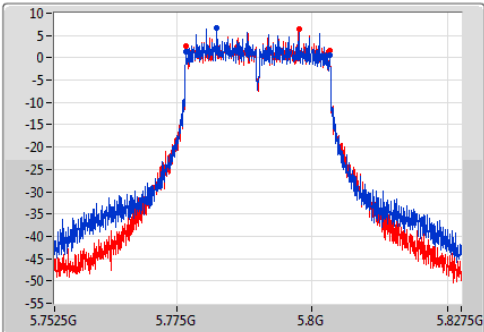
VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port 1 

Port 2 



Ch Freq
5.79GHz

Span
75MHz

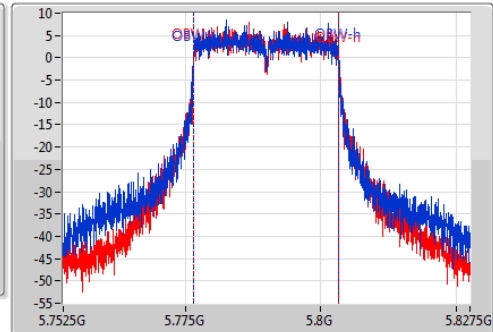
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.55M	5.776725G	5.803275G	26.687M	5.776619G	5.803306G	500k	1
26.475M	5.776763G	5.803238G	26.762M	5.776582G	5.803343G	500k	2

802.11ac VHT30_Nss1,(MCS0)_2TX
EBW
5830MHz

Ch Freq
5.83GHz

Span
75MHz

RBW
100kHz

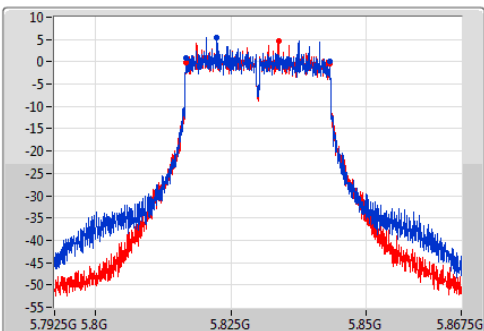
VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port 1 

Port 2 



Ch Freq
5.83GHz

Span
75MHz

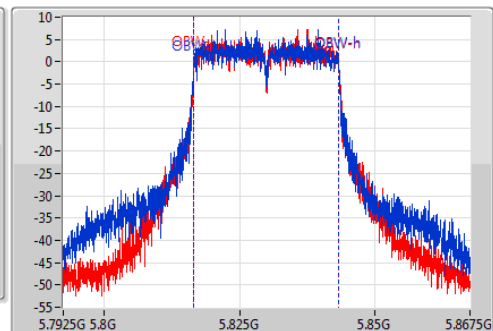
RBW
100kHz

VBW
300kHz

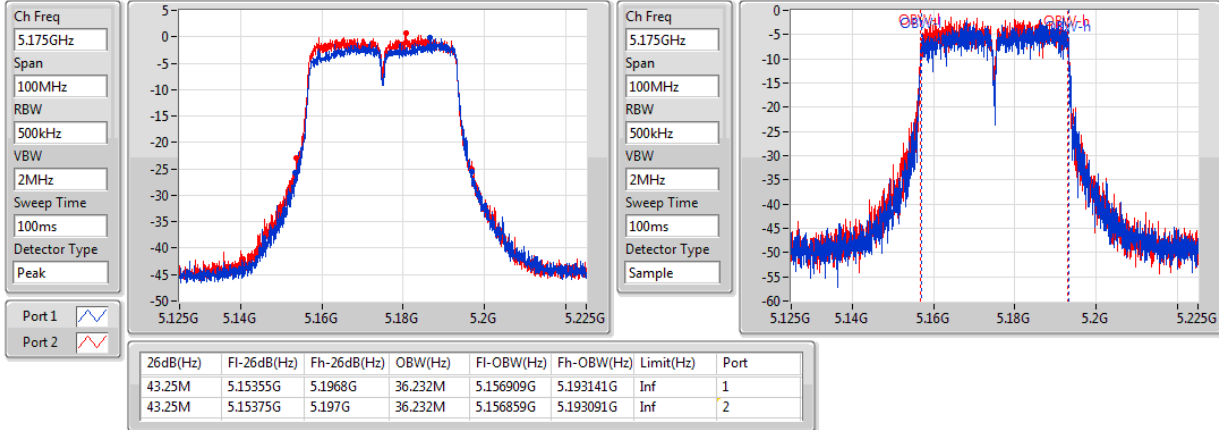
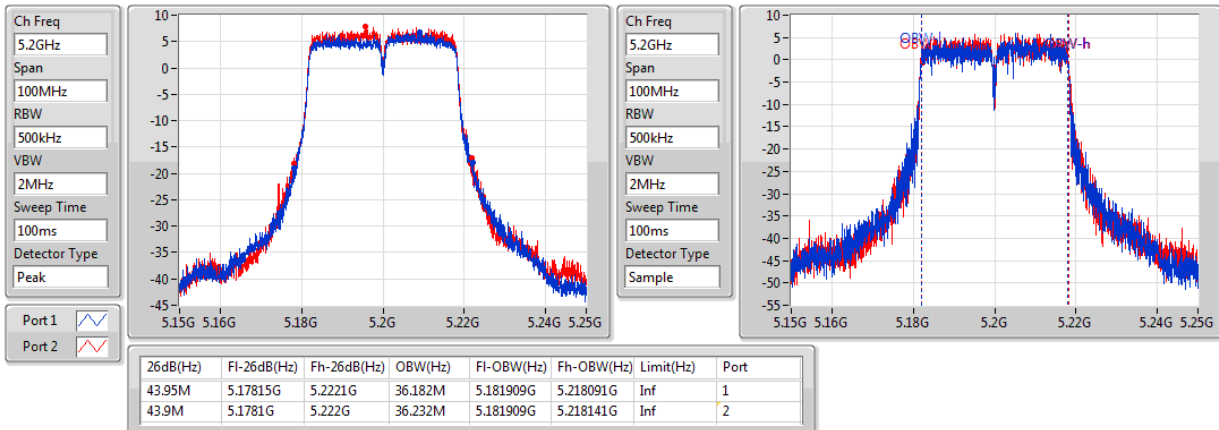
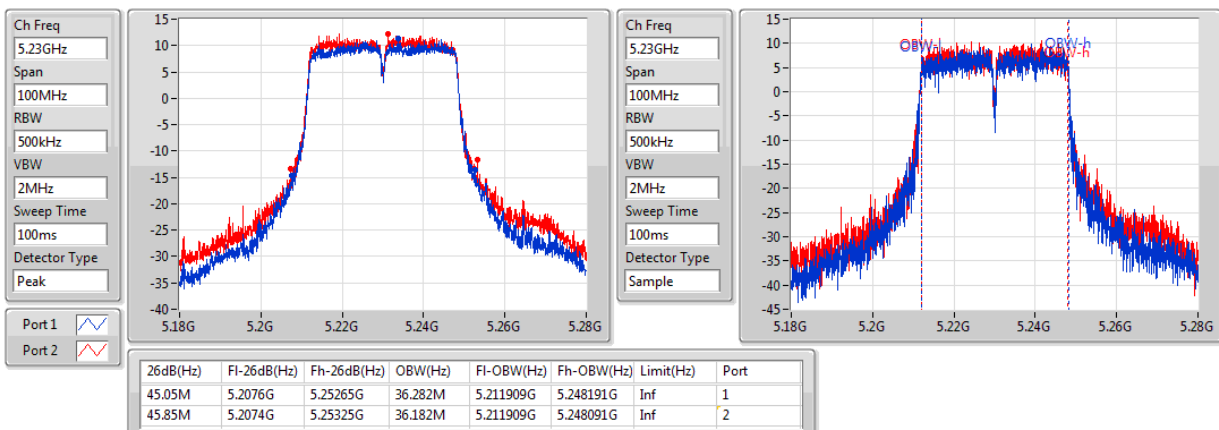
Sweep Time
100ms

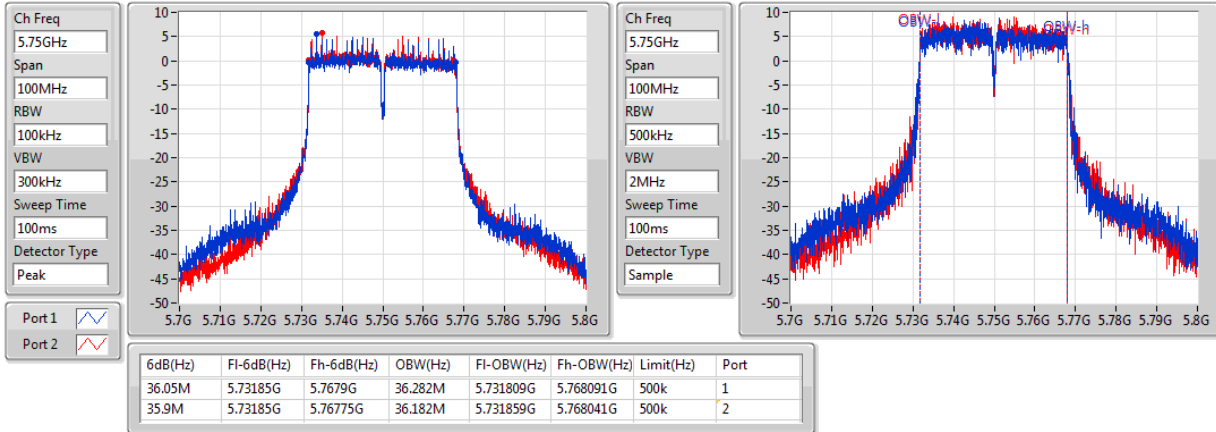
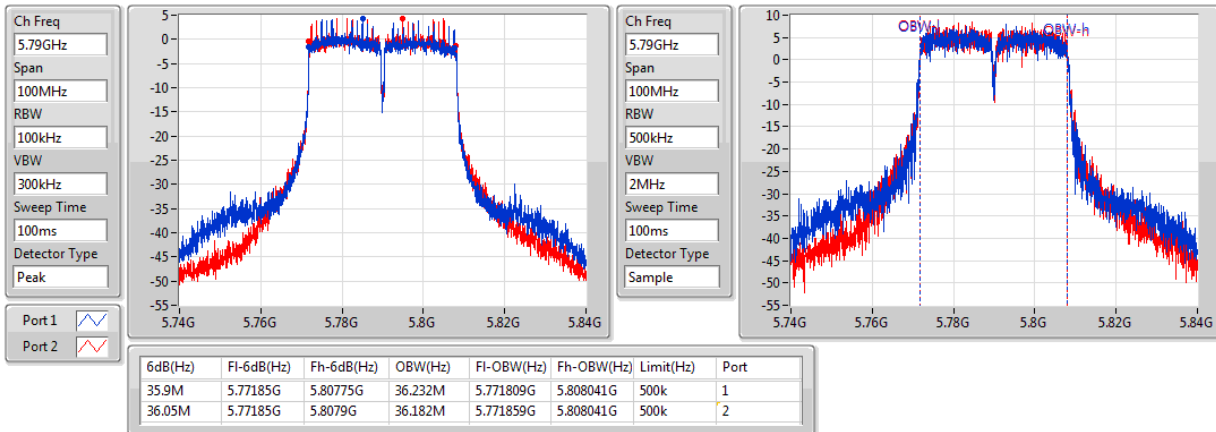
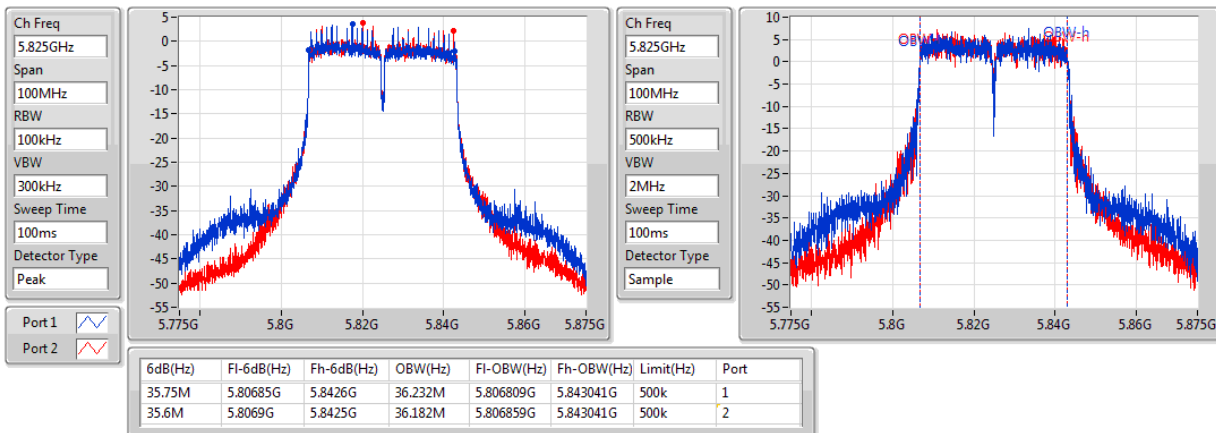
Detector Type
Peak

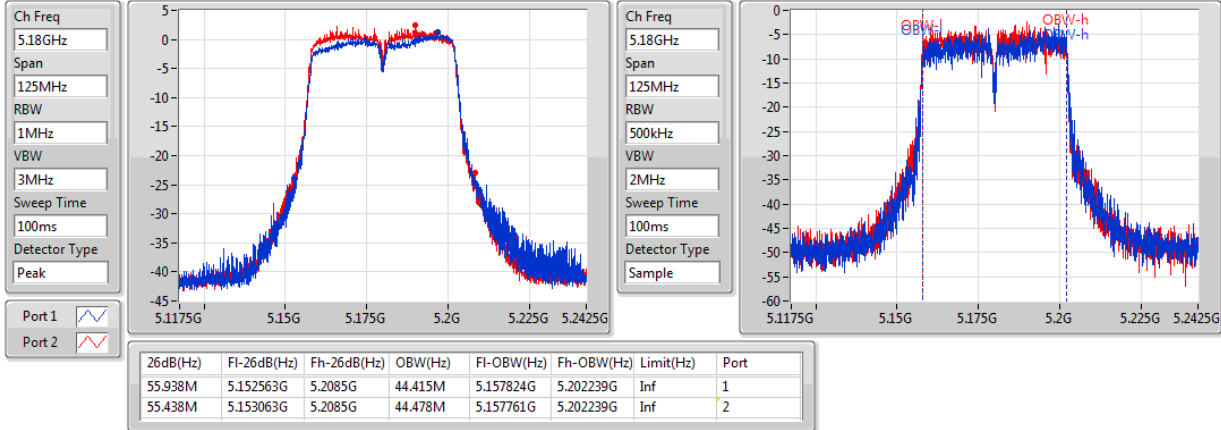
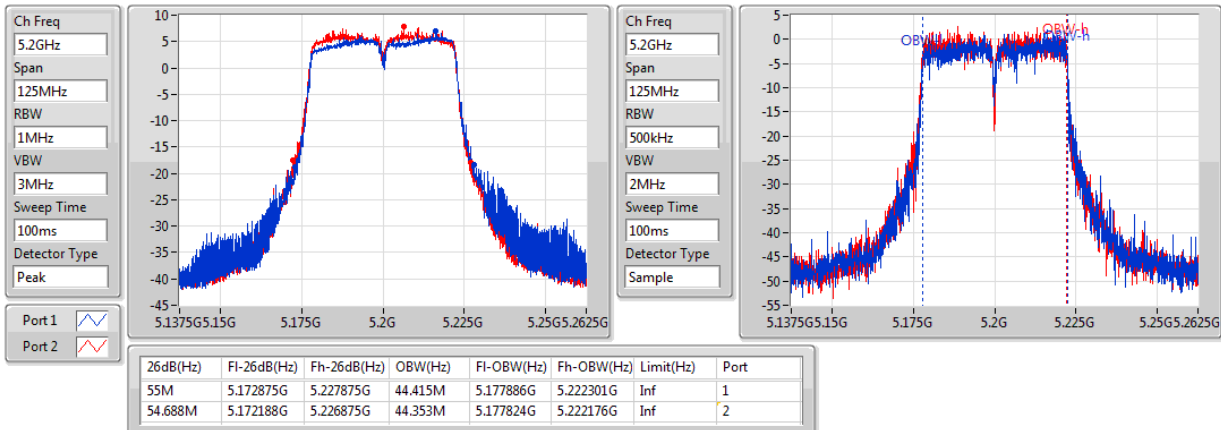
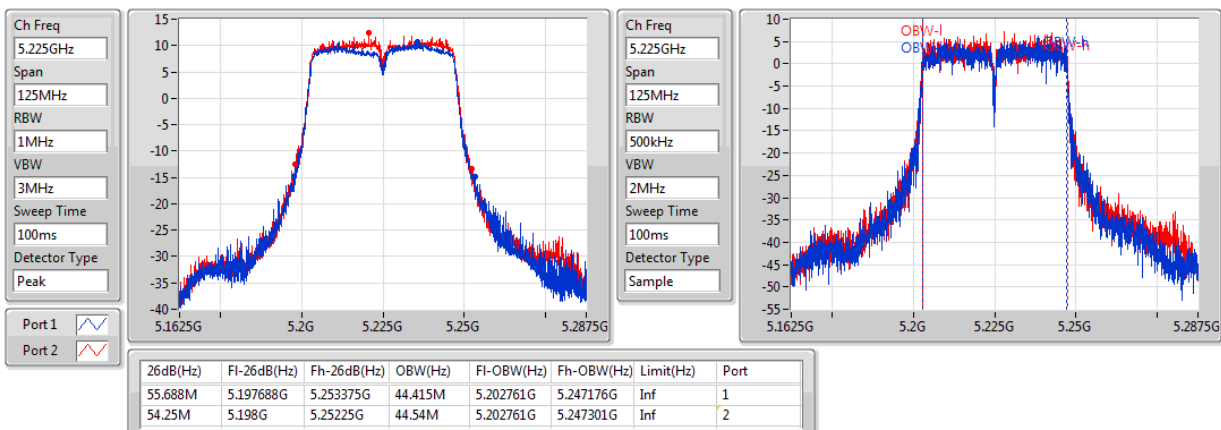
Sample

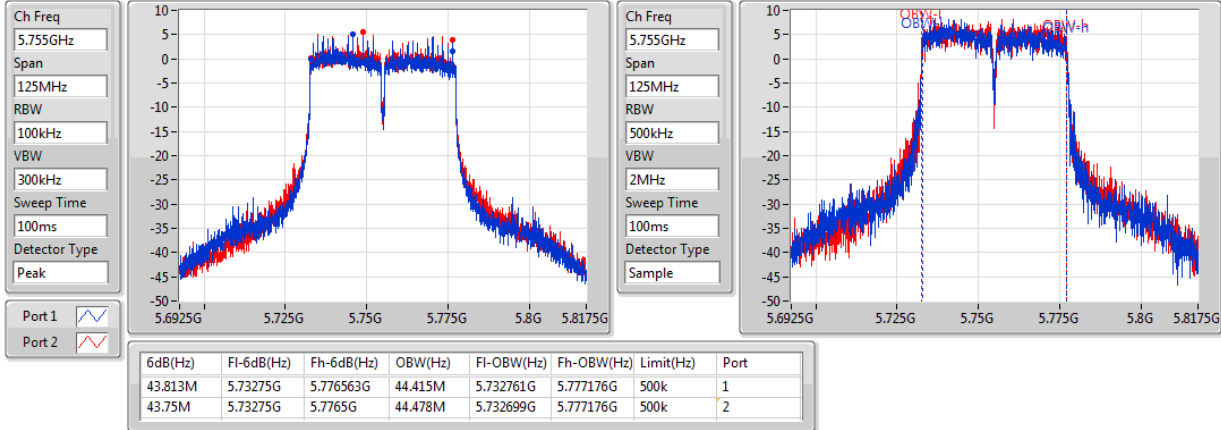
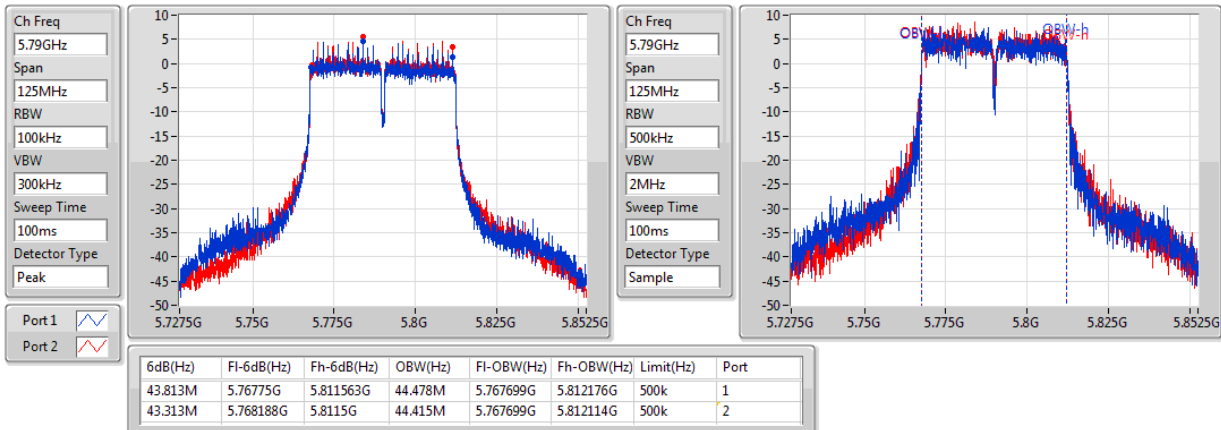
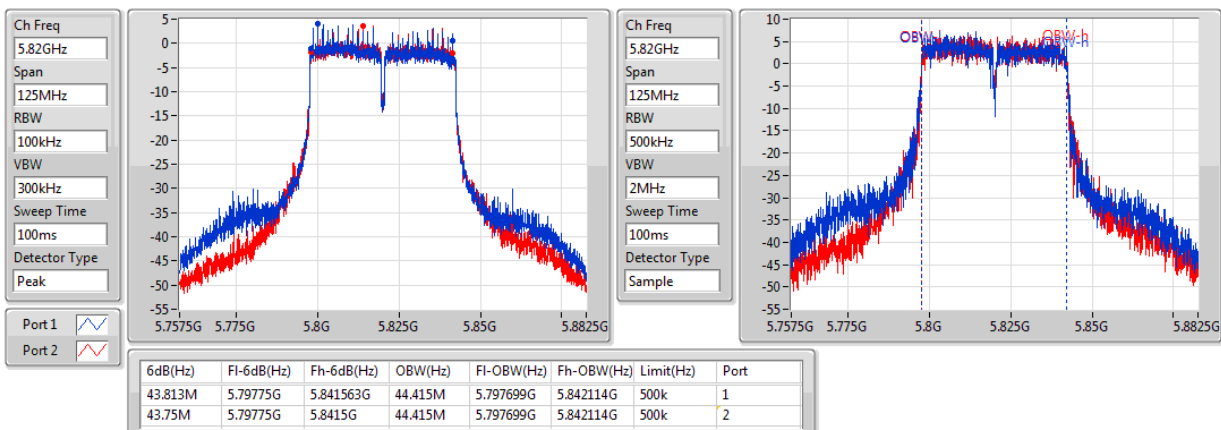


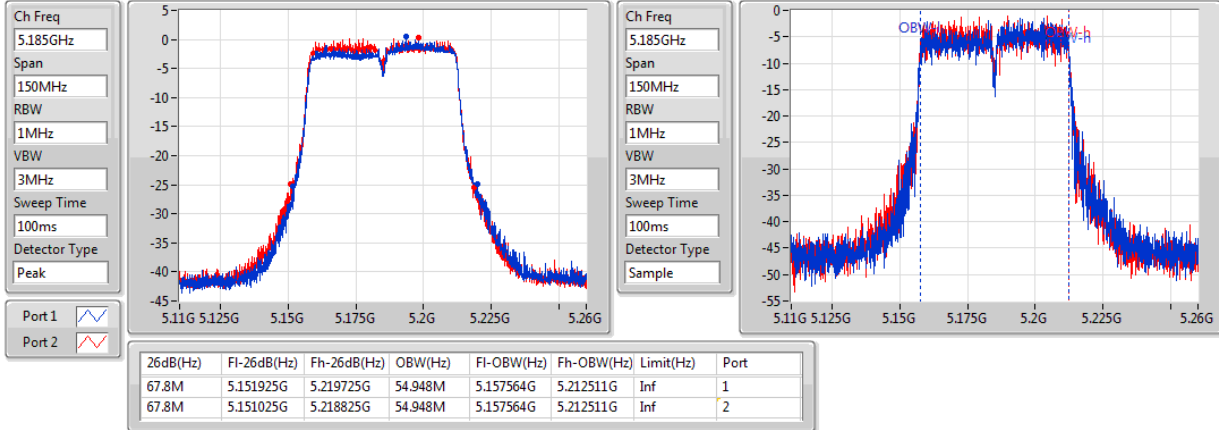
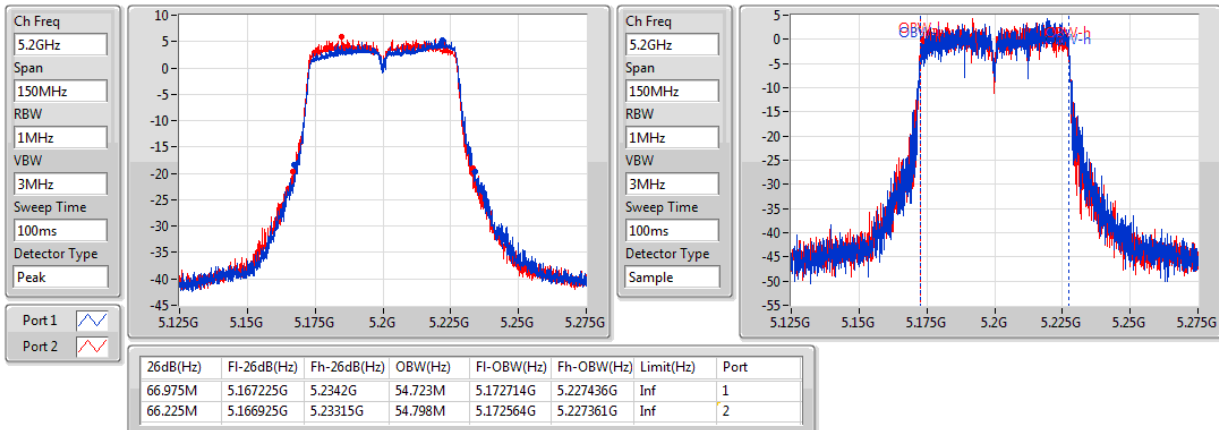
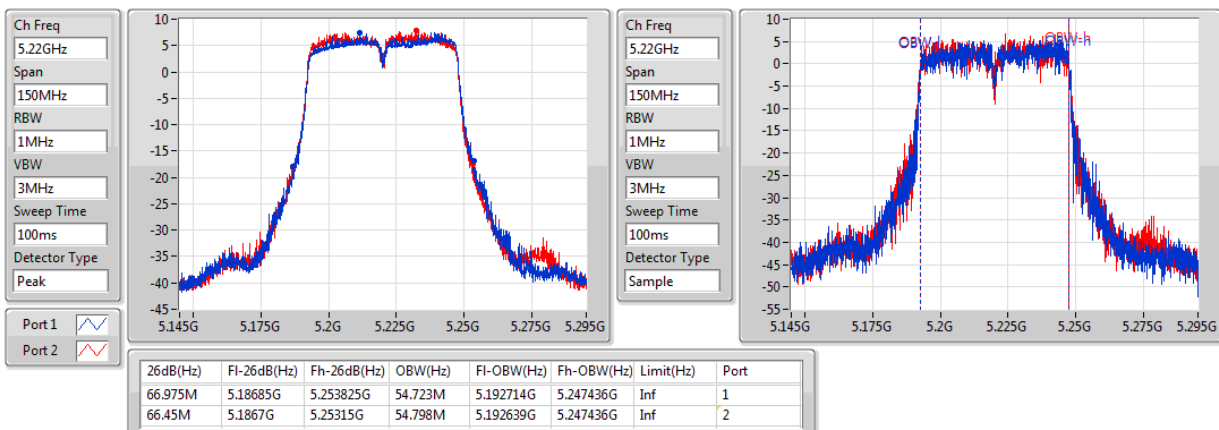
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.475M	5.816763G	5.843238G	26.724M	5.816582G	5.843306G	500k	1
26.55M	5.816725G	5.843275G	26.724M	5.816619G	5.843343G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5175MHz

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5230MHz


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5750MHz

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5790MHz

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5825MHz


802.11ac VHT50_Nss1,(MCS0)_2TX
EBW
5180MHz

802.11ac VHT50_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT50_Nss1,(MCS0)_2TX
EBW
5225MHz


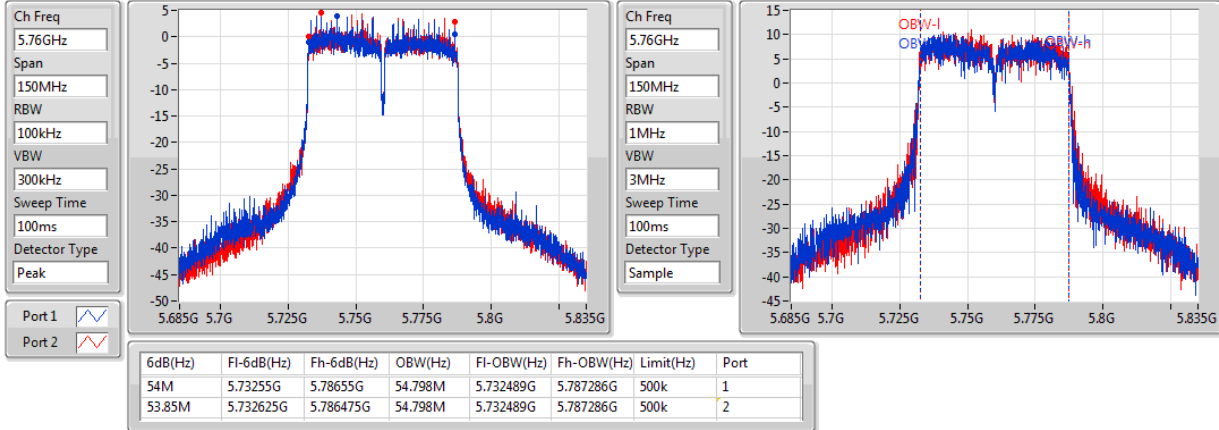
802.11ac VHT50_Nss1,(MCS0)_2TX
EBW
5755MHz

802.11ac VHT50_Nss1,(MCS0)_2TX
EBW
5790MHz

802.11ac VHT50_Nss1,(MCS0)_2TX
EBW
5820MHz


802.11ac VHT60_Nss1,(MCS0)_2TX
EBW
5185MHz

802.11ac VHT60_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT60_Nss1,(MCS0)_2TX
EBW
5220MHz


802.11ac VHT60_Nss1,(MCS0)_2TX

EBW

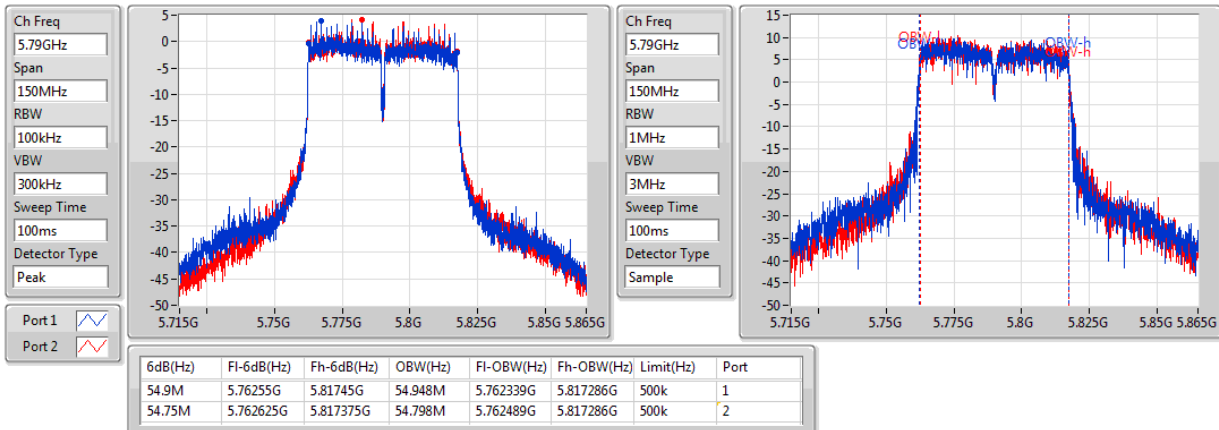
5760MHz



802.11ac VHT60_Nss1,(MCS0)_2TX

EBW

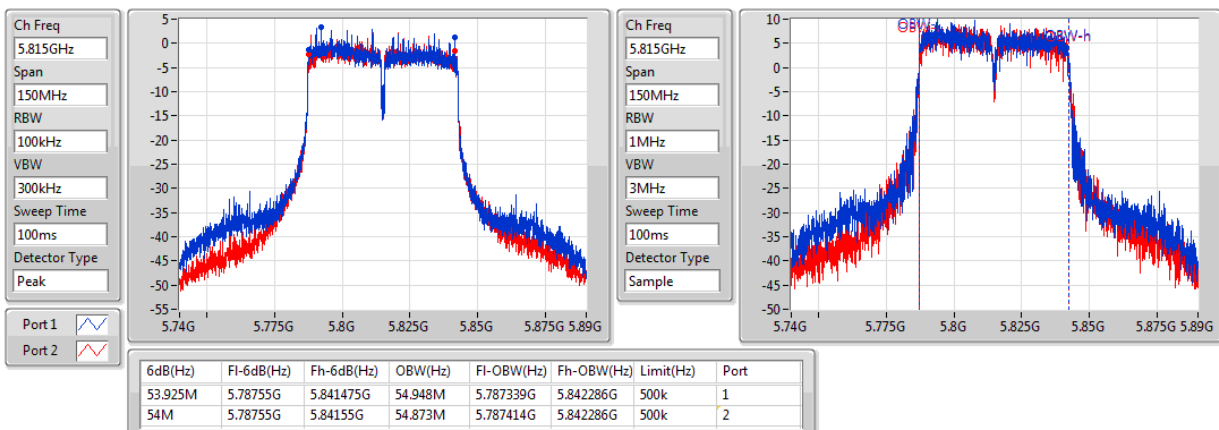
5790MHz

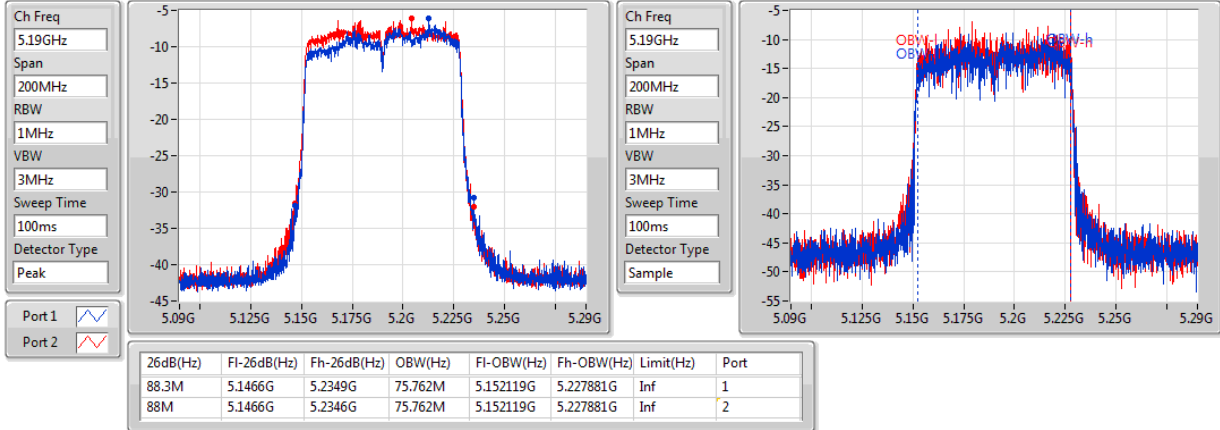
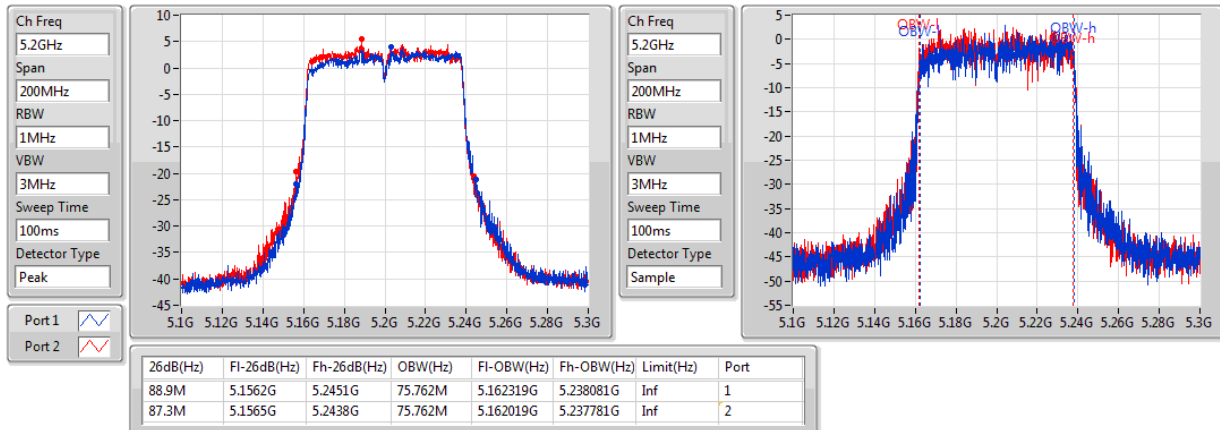
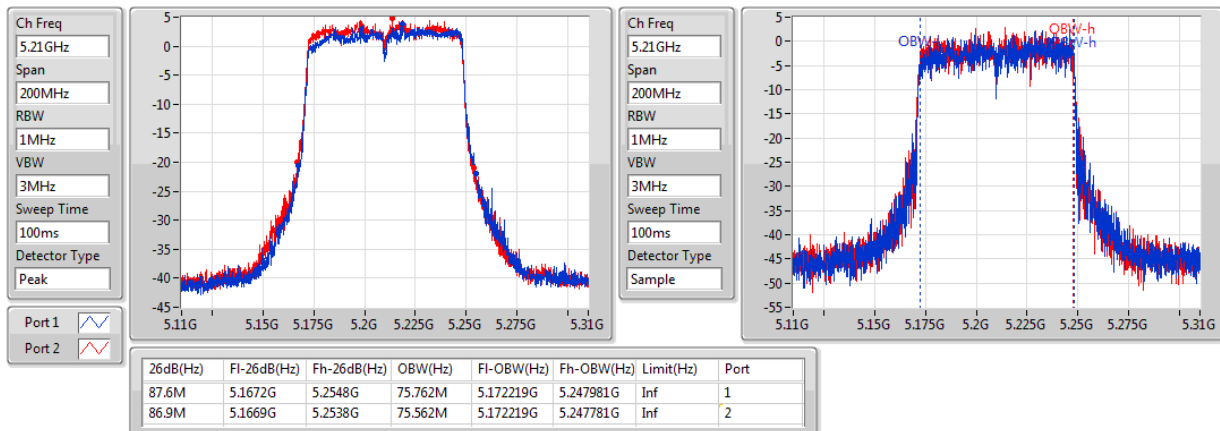


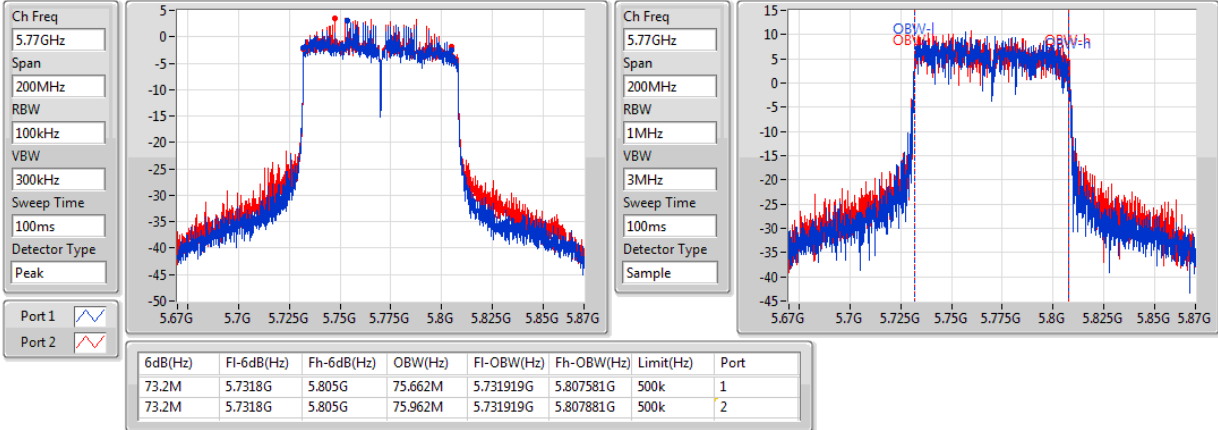
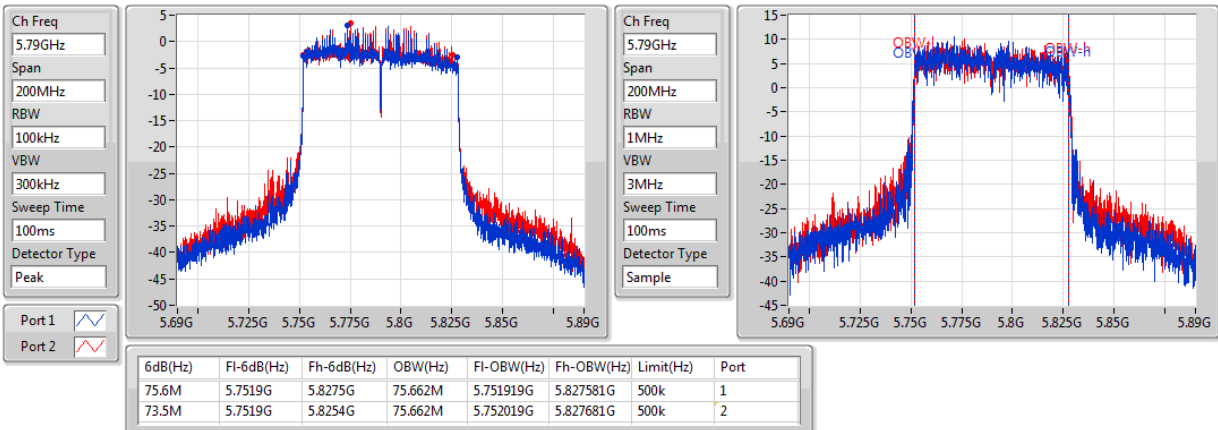
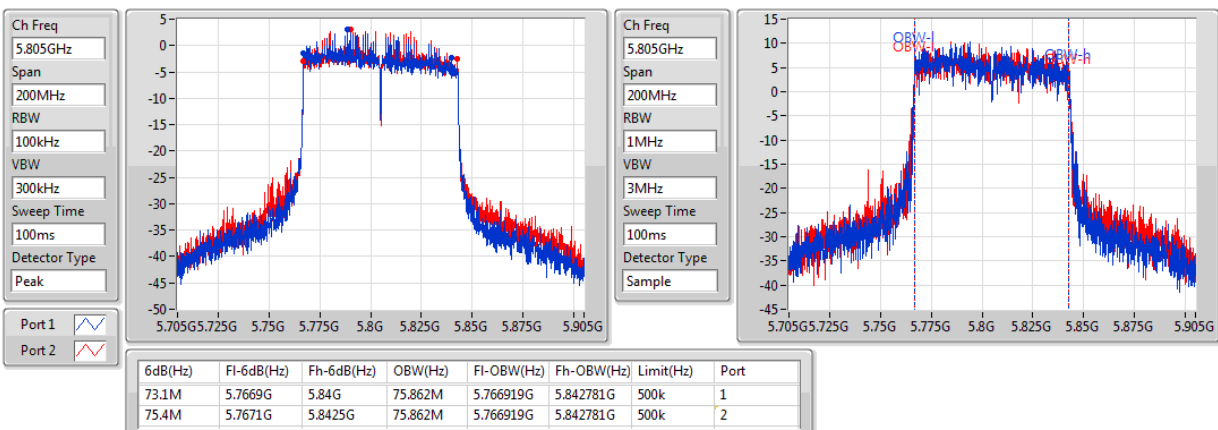
802.11ac VHT60_Nss1,(MCS0)_2TX

EBW

5815MHz



802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5190MHz

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5210MHz


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5770MHz

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5790MHz

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5805MHz


Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT10_Nss1,(MCS0)_2TX	7.82	0.00605	20.82	0.12078
802.11ac VHT20_Nss1,(MCS0)_2TX	7.85	0.00610	20.85	0.12162
802.11ac VHT30_Nss1,(MCS0)_2TX	7.95	0.00624	20.95	0.12445
802.11ac VHT40_Nss1,(MCS0)_2TX	7.92	0.00619	20.92	0.12359
802.11ac VHT50_Nss1,(MCS0)_2TX	7.96	0.00625	20.96	0.12474
802.11ac VHT60_Nss1,(MCS0)_2TX	7.96	0.00625	20.96	0.12474
802.11ac VHT80_Nss1,(MCS0)_2TX	7.96	0.00625	20.96	0.12474
5.725-5.85GHz	-	-	-	-
802.11ac VHT10_Nss1,(MCS0)_2TX	20.84	0.12134	33.84	2.42103
802.11ac VHT20_Nss1,(MCS0)_2TX	22.37	0.17258	35.37	3.44350
802.11ac VHT30_Nss1,(MCS0)_2TX	22.96	0.19770	35.96	3.94457
802.11ac VHT40_Nss1,(MCS0)_2TX	22.41	0.17418	35.41	3.47536
802.11ac VHT50_Nss1,(MCS0)_2TX	22.44	0.17539	35.44	3.49945
802.11ac VHT60_Nss1,(MCS0)_2TX	22.32	0.17061	35.32	3.40408
802.11ac VHT80_Nss1,(MCS0)_2TX	22.71	0.18664	35.71	3.72392

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5160MHz	Pass	13.00	3.90	5.36	7.70	23.00	20.70	36.00
5200MHz	Pass	13.00	4.47	4.96	7.73	23.00	20.73	36.00
5245MHz	Pass	13.00	4.55	5.05	7.82	23.00	20.82	36.00
5735MHz	Pass	13.00	17.50	18.13	20.84	23.00	33.84	36.00
5790MHz	Pass	13.00	16.39	16.56	19.49	23.00	32.49	36.00
5840MHz	Pass	13.00	15.64	15.62	18.64	23.00	31.64	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5165MHz	Pass	13.00	4.12	5.45	7.85	23.00	20.85	36.00
5200MHz	Pass	13.00	4.39	5.01	7.72	23.00	20.72	36.00
5240MHz	Pass	13.00	4.50	5.12	7.83	23.00	20.83	36.00
5740MHz	Pass	13.00	19.30	19.41	22.37	23.00	35.37	36.00
5790MHz	Pass	13.00	18.05	17.83	20.95	23.00	33.95	36.00
5835MHz	Pass	13.00	16.64	16.57	19.62	23.00	32.62	36.00
802.11ac VHT30_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5170MHz	Pass	13.00	3.91	5.32	7.68	23.00	20.68	36.00
5200MHz	Pass	13.00	4.58	5.23	7.93	23.00	20.93	36.00
5235MHz	Pass	13.00	4.67	5.20	7.95	23.00	20.95	36.00
5745MHz	Pass	13.00	19.84	20.06	22.96	23.00	35.96	36.00
5790MHz	Pass	13.00	18.95	18.96	21.97	23.00	34.97	36.00
5830MHz	Pass	13.00	17.92	17.89	20.92	23.00	33.92	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5175MHz	Pass	13.00	4.20	5.21	7.74	23.00	20.74	36.00
5200MHz	Pass	13.00	4.65	5.16	7.92	23.00	20.92	36.00
5230MHz	Pass	13.00	4.40	4.86	7.65	23.00	20.65	36.00
5750MHz	Pass	13.00	19.12	19.67	22.41	23.00	35.41	36.00
5790MHz	Pass	13.00	18.37	18.46	21.43	23.00	34.43	36.00
5825MHz	Pass	13.00	17.40	17.65	20.54	23.00	33.54	36.00
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.00	4.26	5.20	7.77	23.00	20.77	36.00
5200MHz	Pass	13.00	4.61	5.25	7.95	23.00	20.95	36.00
5225MHz	Pass	13.00	4.64	5.24	7.96	23.00	20.96	36.00
5755MHz	Pass	13.00	19.33	19.53	22.44	23.00	35.44	36.00
5790MHz	Pass	13.00	18.72	19.25	22.00	23.00	35.00	36.00
5820MHz	Pass	13.00	18.06	18.23	21.16	23.00	34.16	36.00
802.11ac VHT60_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5185MHz	Pass	13.00	4.48	5.37	7.96	23.00	20.96	36.00
5200MHz	Pass	13.00	4.33	4.89	7.63	23.00	20.63	36.00
5220MHz	Pass	13.00	4.40	4.95	7.69	23.00	20.69	36.00
5760MHz	Pass	13.00	19.14	19.48	22.32	23.00	35.32	36.00
5790MHz	Pass	13.00	18.98	19.27	22.14	23.00	35.14	36.00
5815MHz	Pass	13.00	18.17	18.16	21.18	23.00	34.18	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	13.00	0.78	1.61	4.23	23.00	17.23	36.00



Power Result (P to M)

Appendix C

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5200MHz	Pass	13.00	4.61	5.25	7.95	23.00	20.95	36.00
5210MHz	Pass	13.00	4.63	5.24	7.96	23.00	20.96	36.00
5770MHz	Pass	13.00	19.57	19.83	22.71	23.00	35.71	36.00
5790MHz	Pass	13.00	19.27	19.61	22.45	23.00	35.45	36.00
5805MHz	Pass	13.00	19.18	19.41	22.31	23.00	35.31	36.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT10_Nss1,(MCS0)_2TX	23.49	0.22336	36.49	4.45656
802.11ac VHT20_Nss1,(MCS0)_2TX	24.41	0.27606	37.41	5.50808
802.11ac VHT30_Nss1,(MCS0)_2TX	25.56	0.35975	38.56	7.17794
802.11ac VHT40_Nss1,(MCS0)_2TX	23.69	0.23388	36.69	4.66659
802.11ac VHT50_Nss1,(MCS0)_2TX	20.67	0.11668	33.67	2.32809
802.11ac VHT60_Nss1,(MCS0)_2TX	17.94	0.06223	30.94	1.24165
802.11ac VHT80_Nss1,(MCS0)_2TX	15.05	0.03199	28.05	0.63826
5.725-5.85GHz	-	-	-	-
802.11ac VHT10_Nss1,(MCS0)_2TX	20.84	0.12134	33.84	2.42103
802.11ac VHT20_Nss1,(MCS0)_2TX	22.37	0.17258	35.37	3.44350
802.11ac VHT30_Nss1,(MCS0)_2TX	22.96	0.19770	35.96	3.94457
802.11ac VHT40_Nss1,(MCS0)_2TX	22.41	0.17418	35.41	3.47536
802.11ac VHT50_Nss1,(MCS0)_2TX	22.44	0.17539	35.44	3.49945
802.11ac VHT60_Nss1,(MCS0)_2TX	22.32	0.17061	35.32	3.40408
802.11ac VHT80_Nss1,(MCS0)_2TX	22.71	0.18664	35.71	3.72392

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5160MHz	Pass	13.00	10.54	11.81	14.23	30.00	27.23	53.00
5200MHz	Pass	13.00	19.67	19.99	22.84	30.00	35.84	53.00
5245MHz	Pass	13.00	20.24	20.71	23.49	30.00	36.49	53.00
5735MHz	Pass	13.00	17.50	18.13	20.84	30.00	33.84	Inf
5790MHz	Pass	13.00	16.39	16.56	19.49	30.00	32.49	Inf
5840MHz	Pass	13.00	15.64	15.62	18.64	30.00	31.64	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5165MHz	Pass	13.00	10.77	12.09	14.49	30.00	27.49	53.00
5200MHz	Pass	13.00	20.92	21.75	24.37	30.00	37.37	53.00
5240MHz	Pass	13.00	20.92	21.83	24.41	30.00	37.41	53.00
5740MHz	Pass	13.00	19.30	19.41	22.37	30.00	35.37	Inf
5790MHz	Pass	13.00	18.05	17.83	20.95	30.00	33.95	Inf
5835MHz	Pass	13.00	16.64	16.57	19.62	30.00	32.62	Inf
802.11ac VHT30_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5170MHz	Pass	13.00	9.04	10.19	12.66	30.00	25.66	53.00
5200MHz	Pass	13.00	18.60	19.20	21.92	30.00	34.92	53.00
5235MHz	Pass	13.00	22.15	22.91	25.56	30.00	38.56	53.00
5745MHz	Pass	13.00	19.84	20.06	22.96	30.00	35.96	Inf
5790MHz	Pass	13.00	18.95	18.96	21.97	30.00	34.97	Inf
5830MHz	Pass	13.00	17.92	17.89	20.92	30.00	33.92	Inf
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5175MHz	Pass	13.00	8.50	9.40	11.98	30.00	24.98	53.00
5200MHz	Pass	13.00	15.95	16.84	19.43	30.00	32.43	53.00
5230MHz	Pass	13.00	20.39	20.96	23.69	30.00	36.69	53.00
5750MHz	Pass	13.00	19.12	19.67	22.41	30.00	35.41	Inf
5790MHz	Pass	13.00	18.37	18.46	21.43	30.00	34.43	Inf
5825MHz	Pass	13.00	17.40	17.65	20.54	30.00	33.54	Inf
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.00	7.92	8.77	11.38	30.00	24.38	53.00
5200MHz	Pass	13.00	13.12	13.89	16.53	30.00	29.53	53.00
5225MHz	Pass	13.00	17.24	18.05	20.67	30.00	33.67	53.00
5755MHz	Pass	13.00	19.33	19.53	22.44	30.00	35.44	Inf
5790MHz	Pass	13.00	18.72	19.25	22.00	30.00	35.00	Inf
5820MHz	Pass	13.00	18.06	18.23	21.16	30.00	34.16	Inf
802.11ac VHT60_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5185MHz	Pass	13.00	7.50	7.97	10.75	30.00	23.75	53.00
5200MHz	Pass	13.00	12.79	13.12	15.97	30.00	28.97	53.00
5220MHz	Pass	13.00	14.65	15.20	17.94	30.00	30.94	53.00
5760MHz	Pass	13.00	19.14	19.48	22.32	30.00	35.32	Inf
5790MHz	Pass	13.00	18.98	19.27	22.14	30.00	35.14	Inf
5815MHz	Pass	13.00	18.17	18.16	21.18	30.00	34.18	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	13.00	0.78	1.61	4.23	30.00	17.23	53.00



Power Result (P to P)

Appendix C

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5200MHz	Pass	13.00	11.60	12.38	15.02	30.00	28.02	53.00
5210MHz	Pass	13.00	11.65	12.40	15.05	30.00	28.05	53.00
5770MHz	Pass	13.00	19.57	19.83	22.71	30.00	35.71	Inf
5790MHz	Pass	13.00	19.27	19.61	22.45	30.00	35.45	Inf
5805MHz	Pass	13.00	19.18	19.41	22.31	30.00	35.31	Inf

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT10_Nss1,(MCS0)_2TX	-2.10	13.91
802.11ac VHT20_Nss1,(MCS0)_2TX	-5.33	10.68
802.11ac VHT30_Nss1,(MCS0)_2TX	-6.70	9.31
802.11ac VHT40_Nss1,(MCS0)_2TX	-8.18	7.83
802.11ac VHT50_Nss1,(MCS0)_2TX	-7.87	8.14
802.11ac VHT60_Nss1,(MCS0)_2TX	-7.46	8.55
802.11ac VHT80_Nss1,(MCS0)_2TX	-10.12	5.89
5.725-5.85GHz	-	-
802.11ac VHT10_Nss1,(MCS0)_2TX	9.30	25.31
802.11ac VHT20_Nss1,(MCS0)_2TX	7.80	23.81
802.11ac VHT30_Nss1,(MCS0)_2TX	6.94	22.95
802.11ac VHT40_Nss1,(MCS0)_2TX	4.98	20.99
802.11ac VHT50_Nss1,(MCS0)_2TX	5.59	21.60
802.11ac VHT60_Nss1,(MCS0)_2TX	6.06	22.07
802.11ac VHT80_Nss1,(MCS0)_2TX	3.39	19.40

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)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5160MHz	Pass	16.01	-6.26	-5.01	-2.59	6.99	13.42	Inf
5200MHz	Pass	16.01	-5.41	-4.99	-2.35	6.99	13.66	Inf
5245MHz	Pass	16.01	-5.00	-4.67	-2.10	6.99	13.91	Inf
5735MHz	Pass	16.01	6.09	6.66	9.30	19.99	25.31	Inf
5790MHz	Pass	16.01	4.92	4.99	7.93	19.99	23.94	Inf
5840MHz	Pass	16.01	3.78	3.91	6.81	19.99	22.82	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5165MHz	Pass	16.01	-8.95	-8.12	-5.53	6.99	10.48	Inf
5200MHz	Pass	16.01	-8.68	-8.11	-5.57	6.99	10.44	Inf
5240MHz	Pass	16.01	-8.23	-7.89	-5.33	6.99	10.68	Inf
5740MHz	Pass	16.01	4.86	4.74	7.80	19.99	23.81	Inf
5790MHz	Pass	16.01	3.51	3.08	6.30	19.99	22.31	Inf
5835MHz	Pass	16.01	1.93	1.92	4.92	19.99	20.93	Inf
802.11ac VHT30_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5170MHz	Pass	16.01	-11.04	-9.75	-7.36	6.99	8.65	Inf
5200MHz	Pass	16.01	-9.58	-9.76	-6.73	6.99	9.28	Inf
5235MHz	Pass	16.01	-9.80	-9.05	-6.70	6.99	9.31	Inf
5745MHz	Pass	16.01	3.99	3.89	6.94	19.99	22.95	Inf
5790MHz	Pass	16.01	2.96	2.70	5.84	19.99	21.85	Inf
5830MHz	Pass	16.01	1.74	1.77	4.75	19.99	20.76	Inf
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5175MHz	Pass	16.01	-11.84	-11.32	-8.62	6.99	7.39	Inf
5200MHz	Pass	16.01	-11.08	-10.90	-8.18	6.99	7.83	Inf
5230MHz	Pass	16.01	-11.39	-11.17	-8.45	6.99	7.56	Inf
5750MHz	Pass	16.01	1.86	2.26	4.98	19.99	20.99	Inf
5790MHz	Pass	16.01	1.35	1.40	4.34	19.99	20.35	Inf
5825MHz	Pass	16.01	0.44	0.41	3.37	19.99	19.38	Inf
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	16.01	-11.58	-10.91	-8.41	6.99	7.60	Inf
5200MHz	Pass	16.01	-10.69	-10.73	-7.90	6.99	8.11	Inf
5225MHz	Pass	16.01	-10.67	-10.56	-7.87	6.99	8.14	Inf
5755MHz	Pass	16.01	2.53	2.73	5.59	19.99	21.60	Inf
5790MHz	Pass	16.01	1.56	2.01	4.71	19.99	20.72	Inf
5820MHz	Pass	16.01	1.33	1.20	4.21	19.99	20.22	Inf
802.11ac VHT60_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5185MHz	Pass	16.01	-10.56	-10.02	-7.46	6.99	8.55	Inf
5200MHz	Pass	16.01	-10.91	-10.64	-7.86	6.99	8.15	Inf
5220MHz	Pass	16.01	-10.43	-10.50	-7.60	6.99	8.41	Inf
5760MHz	Pass	16.01	3.03	3.18	6.06	19.99	22.07	Inf
5790MHz	Pass	16.01	2.84	2.73	5.71	19.99	21.72	Inf
5815MHz	Pass	16.01	2.25	1.88	5.07	19.99	21.08	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	16.01	-16.62	-16.57	-13.80	6.99	2.21	Inf

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5200MHz	Pass	16.01	-13.25	-12.94	-10.24	6.99	5.77	Inf
5210MHz	Pass	16.01	-12.82	-13.13	-10.12	6.99	5.89	Inf
5770MHz	Pass	16.01	0.50	0.70	3.39	19.99	19.40	Inf
5790MHz	Pass	16.01	0.21	0.28	3.21	19.99	19.22	Inf
5805MHz	Pass	16.01	0.26	0.03	3.12	19.99	19.13	Inf

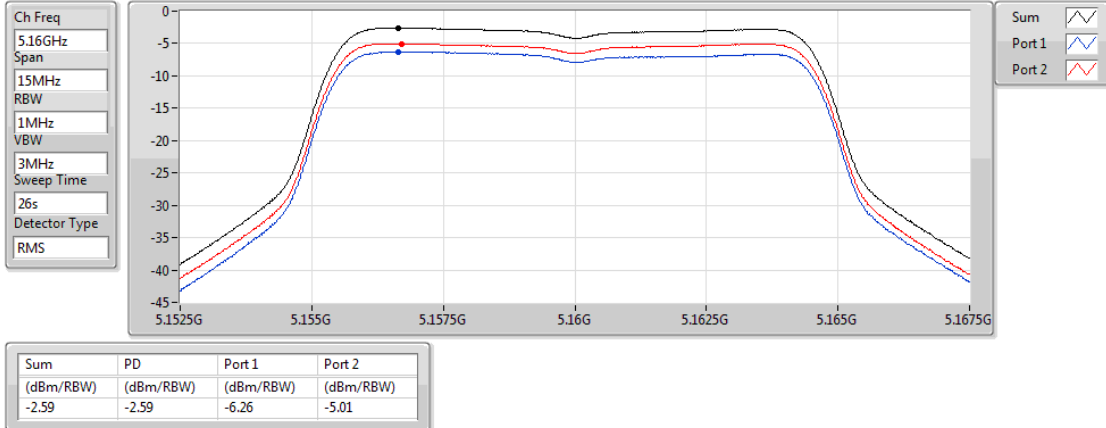
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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

802.11ac VHT10_Nss1,(MCS0)_2TX

PSD

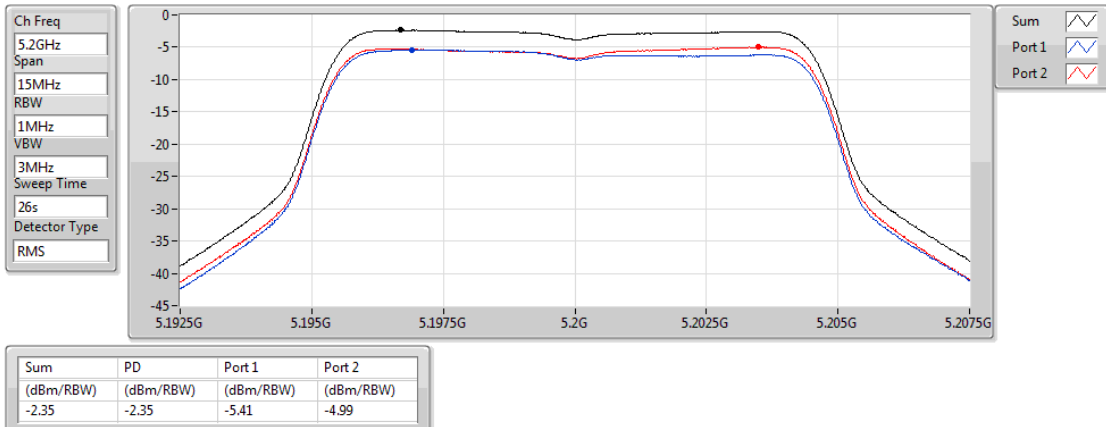
5160MHz



802.11ac VHT10_Nss1,(MCS0)_2TX

PSD

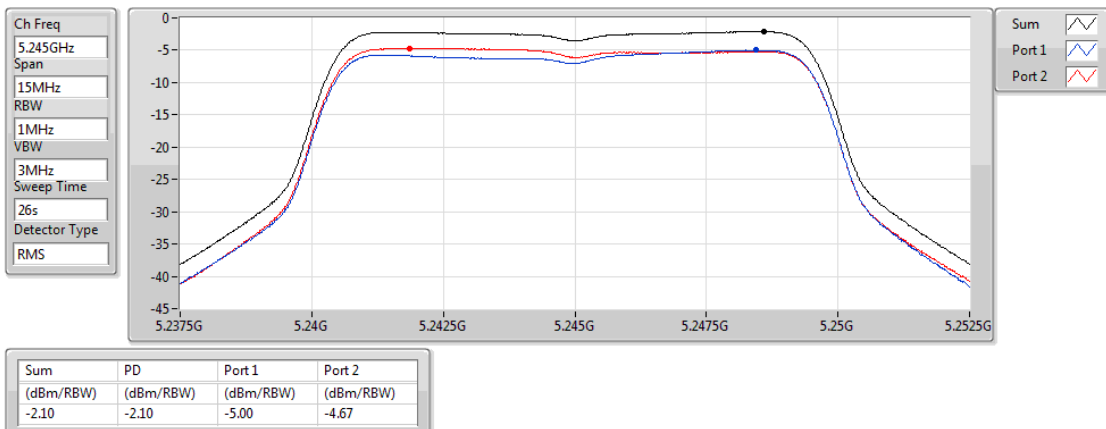
5200MHz



802.11ac VHT10_Nss1,(MCS0)_2TX

PSD

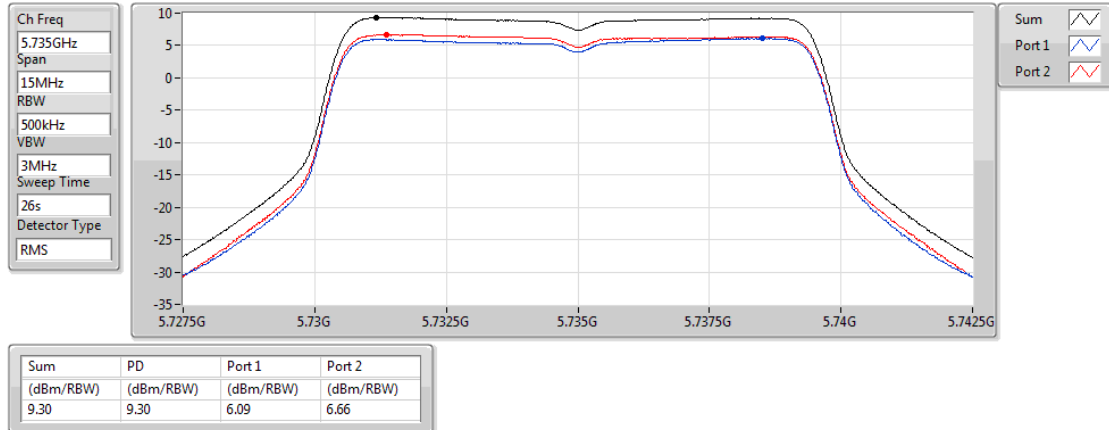
5245MHz



802.11ac VHT10_Nss1,(MCS0)_2TX

PSD

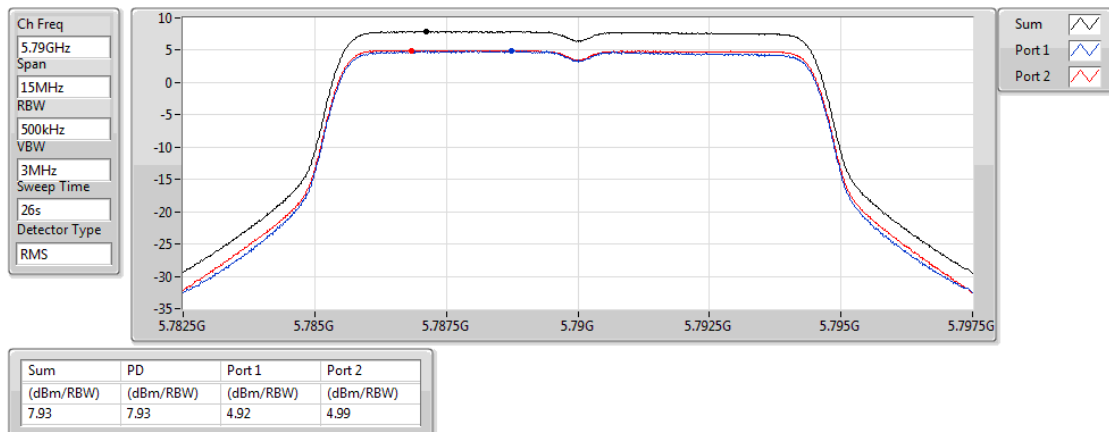
5735MHz



802.11ac VHT10_Nss1,(MCS0)_2TX

PSD

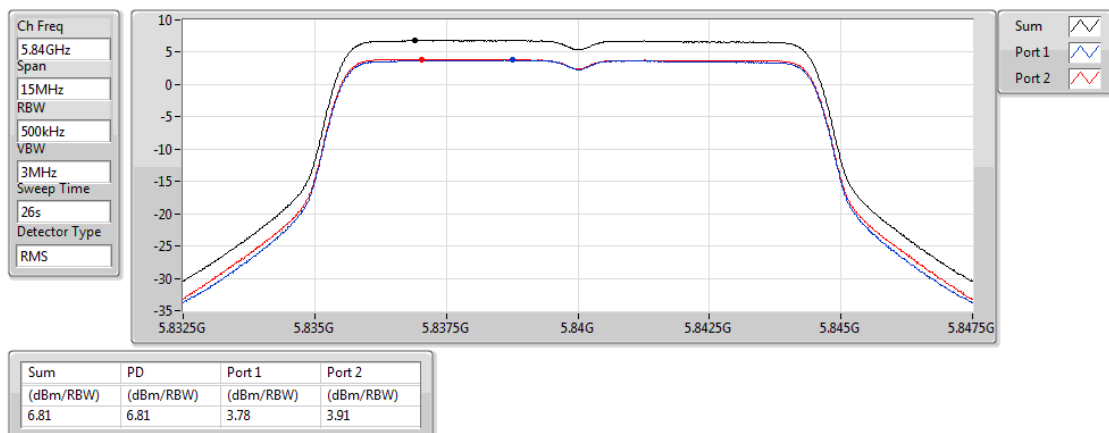
5790MHz



802.11ac VHT10_Nss1,(MCS0)_2TX

PSD

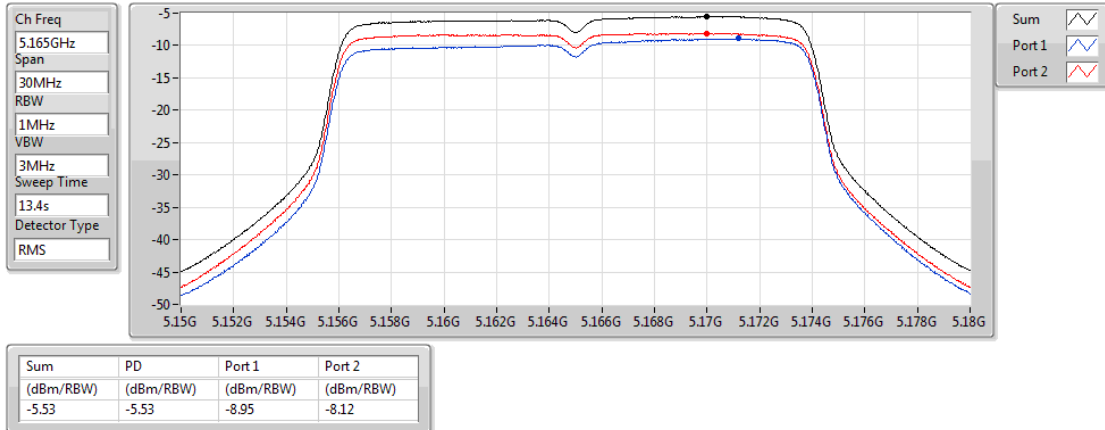
5840MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

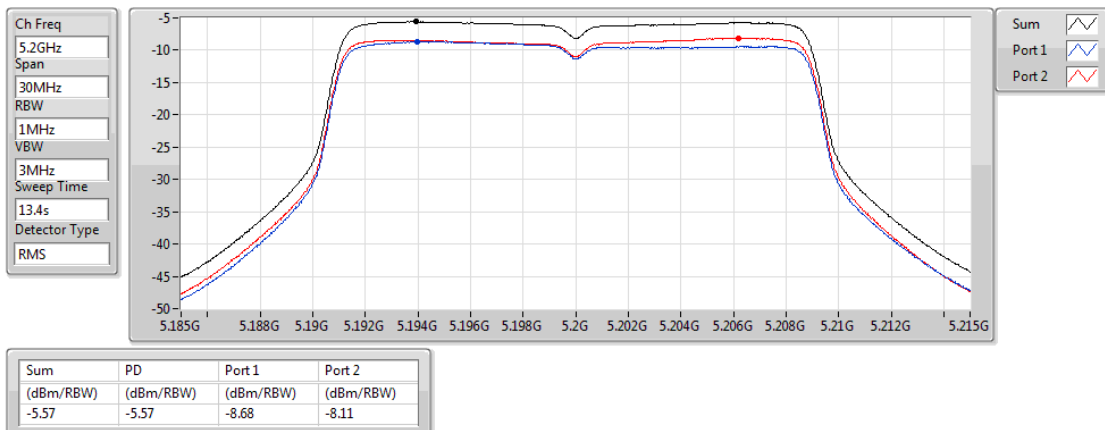
5165MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

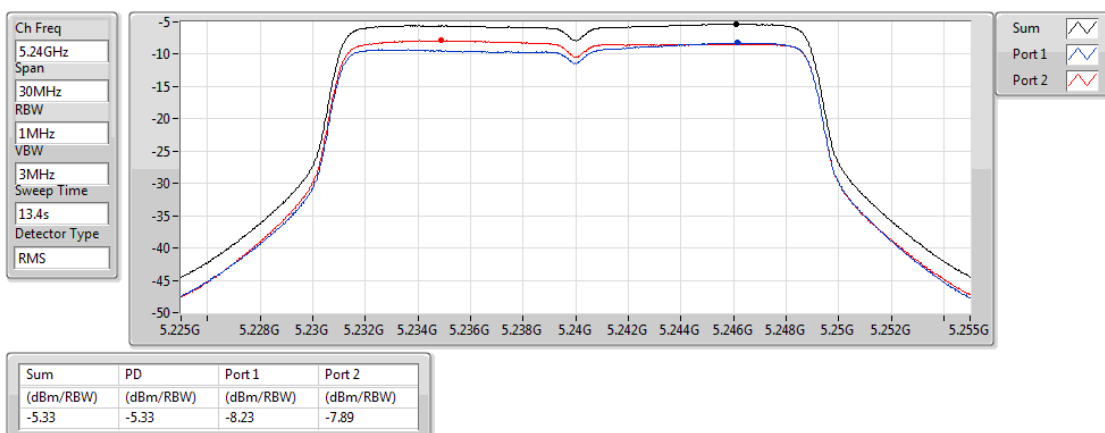
5200MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

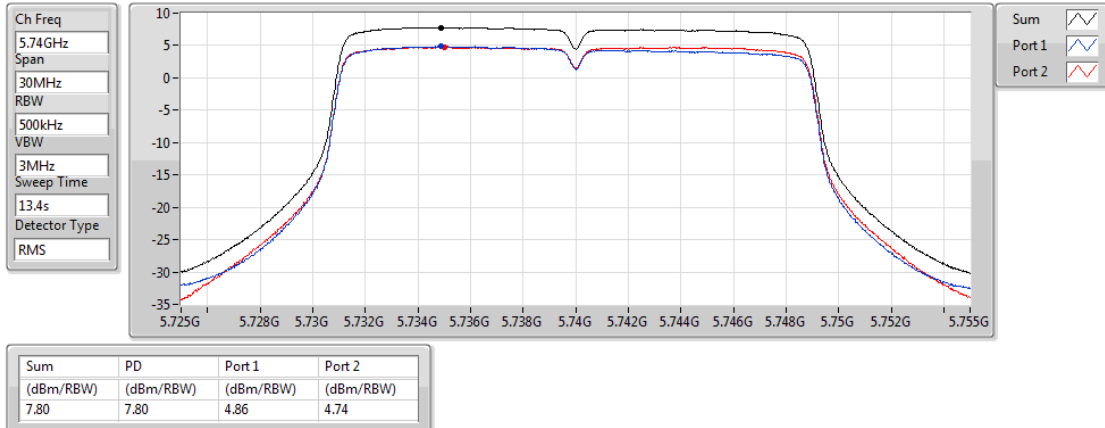
5240MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

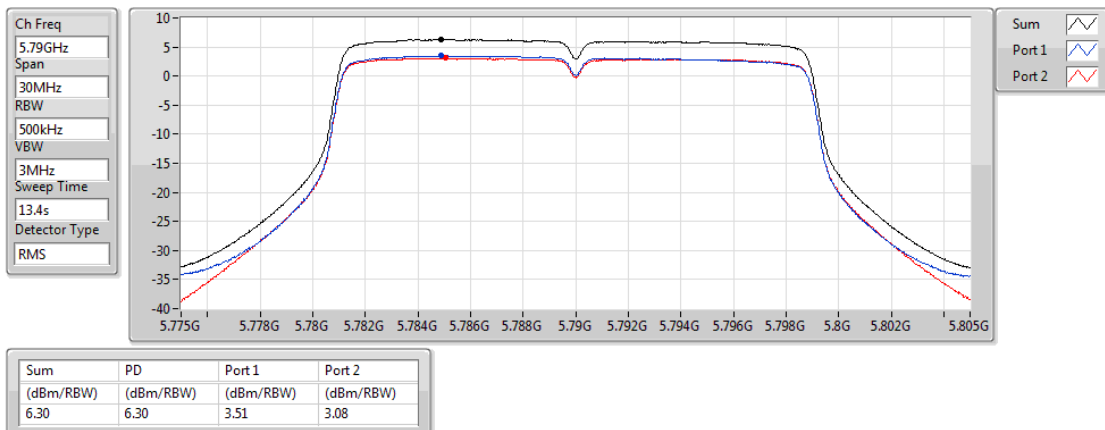
5740MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

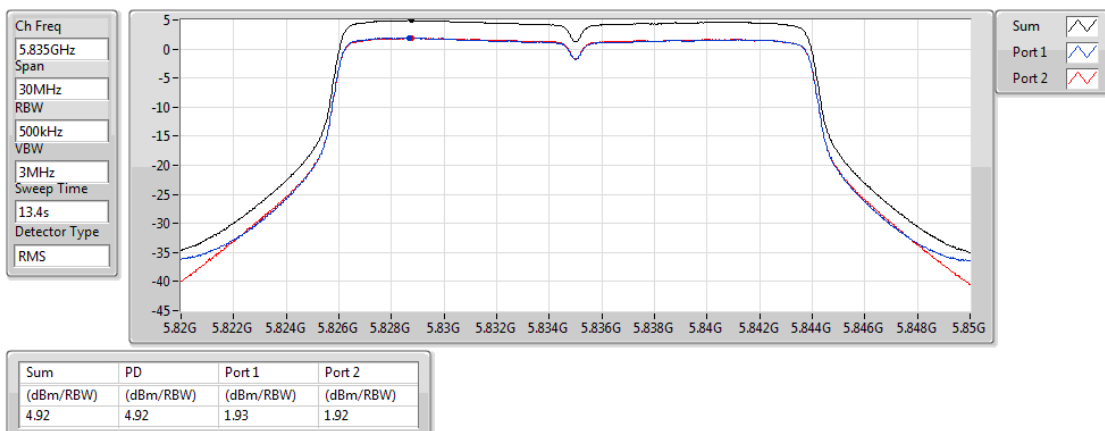
5790MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

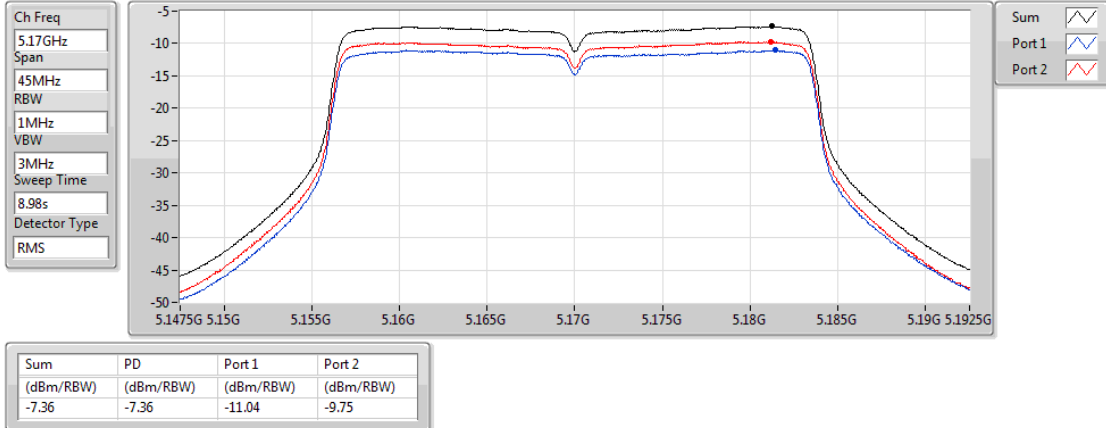
5835MHz



802.11ac VHT30_Nss1,(MCS0)_2TX

PSD

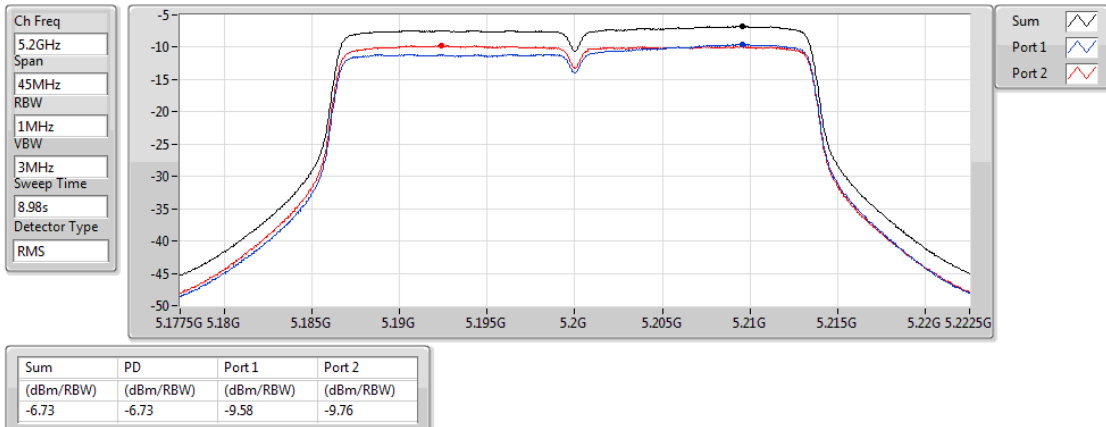
5170MHz



802.11ac VHT30_Nss1,(MCS0)_2TX

PSD

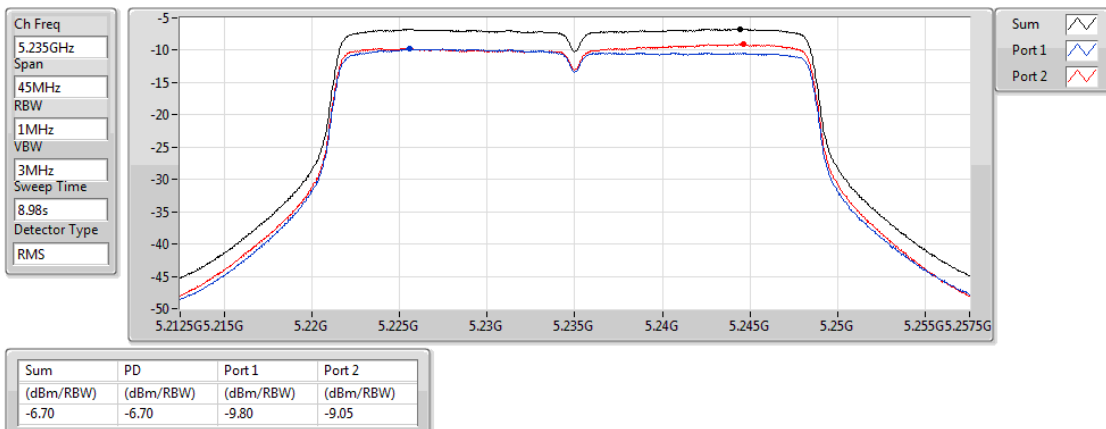
5200MHz



802.11ac VHT30_Nss1,(MCS0)_2TX

PSD

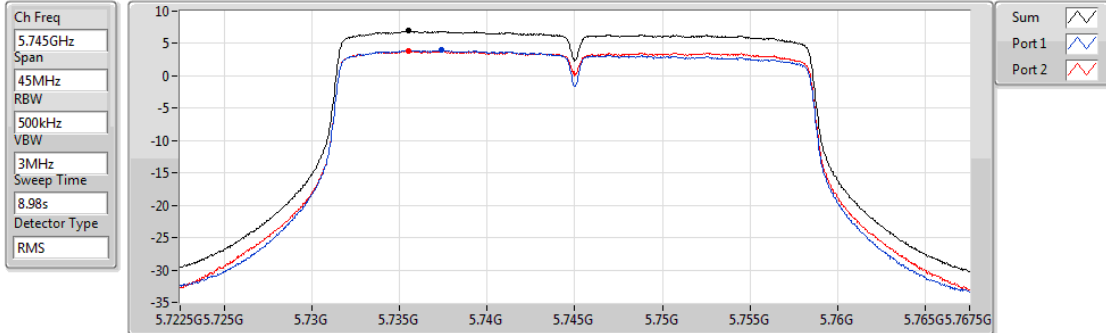
5235MHz



802.11ac VHT30_Nss1,(MCS0)_2TX

PSD

5745MHz

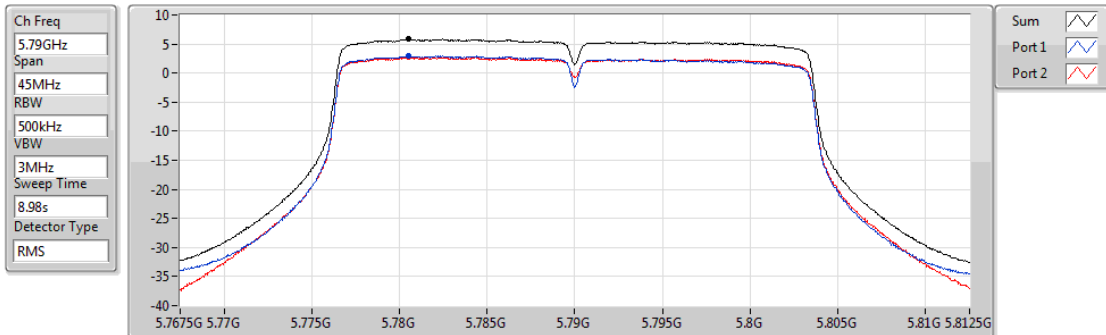


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.94	6.94	3.99	3.89

802.11ac VHT30_Nss1,(MCS0)_2TX

PSD

5790MHz

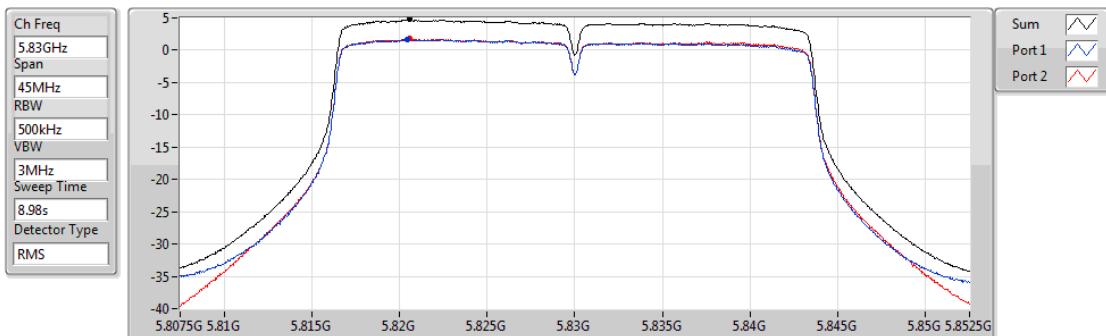


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.84	5.84	2.96	2.70

802.11ac VHT30_Nss1,(MCS0)_2TX

PSD

5830MHz

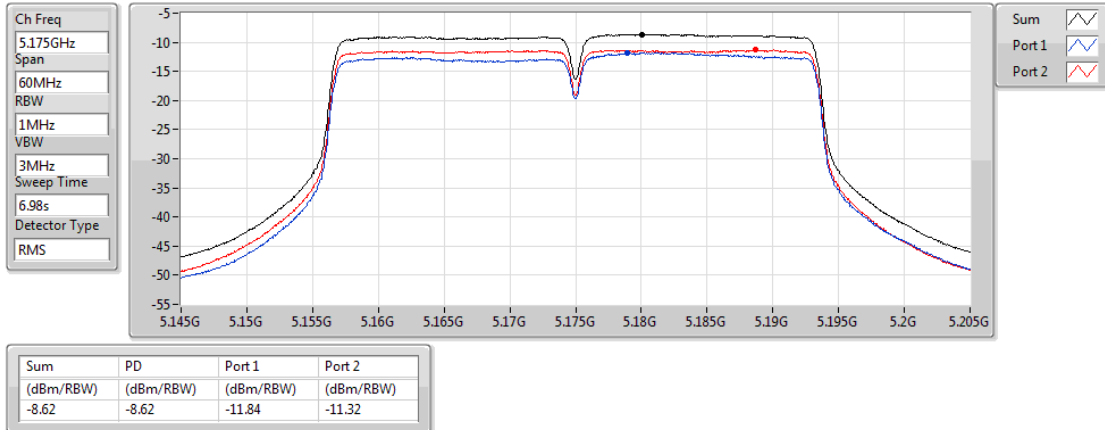


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.75	4.75	1.74	1.77

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

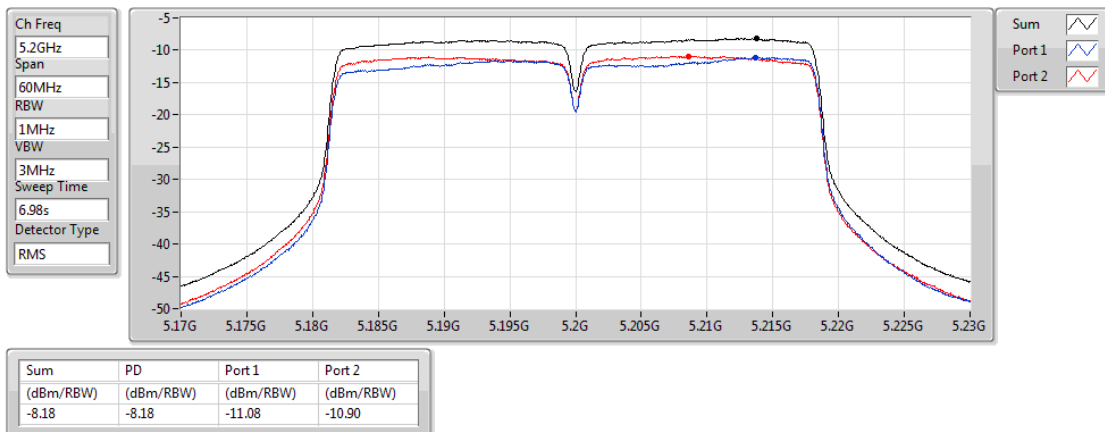
5175MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

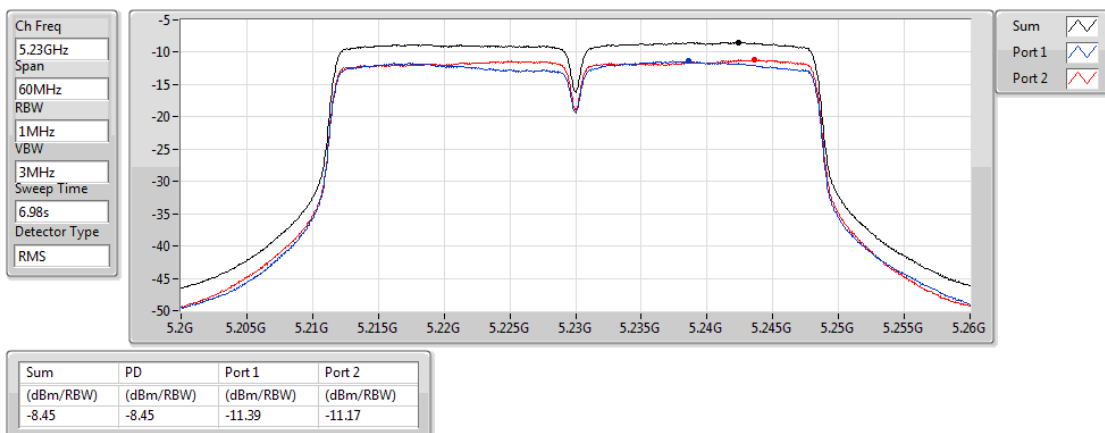
5200MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

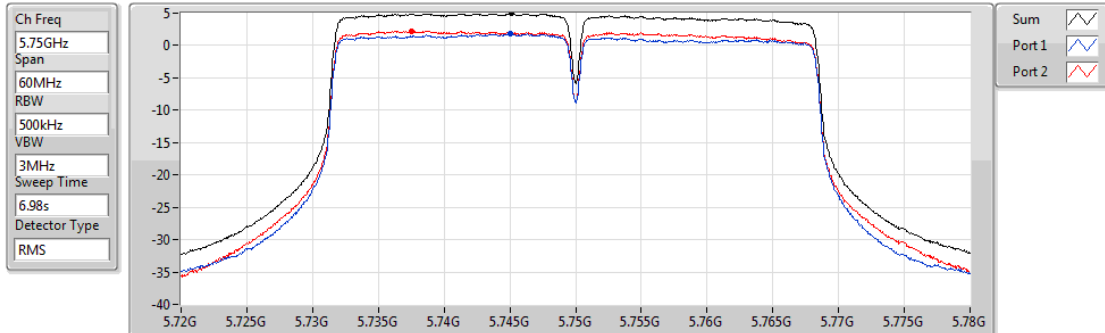
5230MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5750MHz

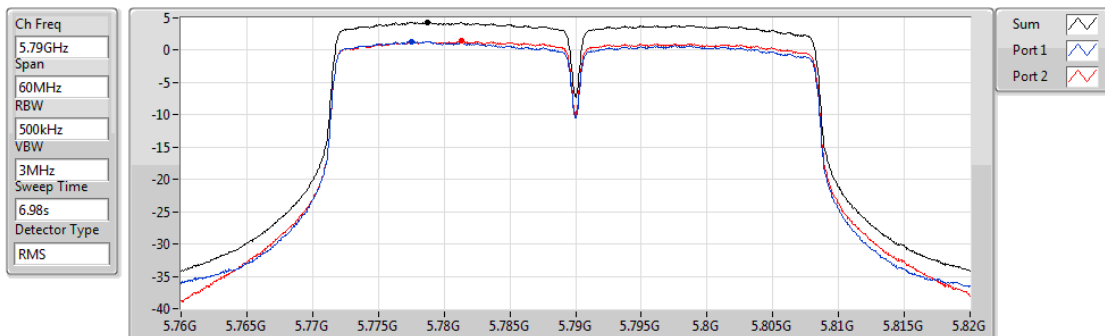


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.98	4.98	1.86	2.26

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5790MHz

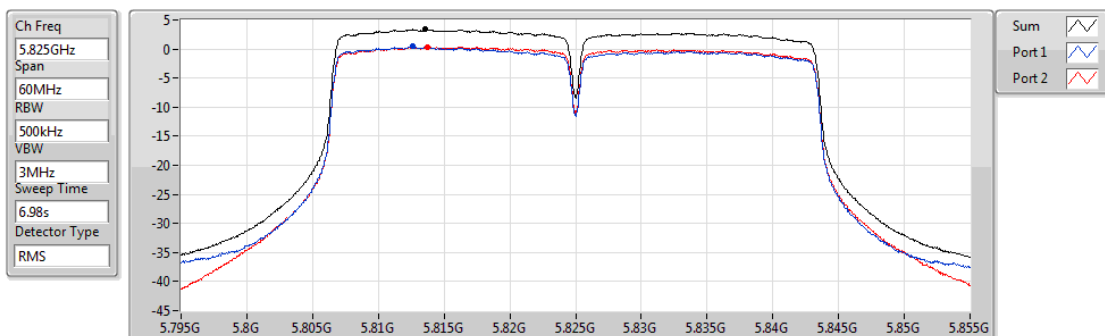


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.34	4.34	1.35	1.40

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.37	3.37	0.44	0.41

802.11ac VHT50_Nss1,(MCS0)_2TX

PSD

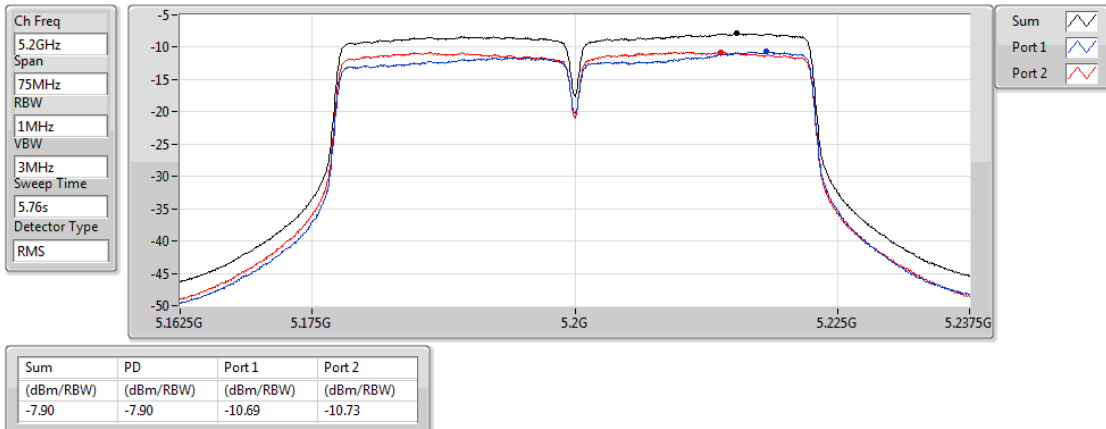
5180MHz



802.11ac VHT50_Nss1,(MCS0)_2TX

PSD

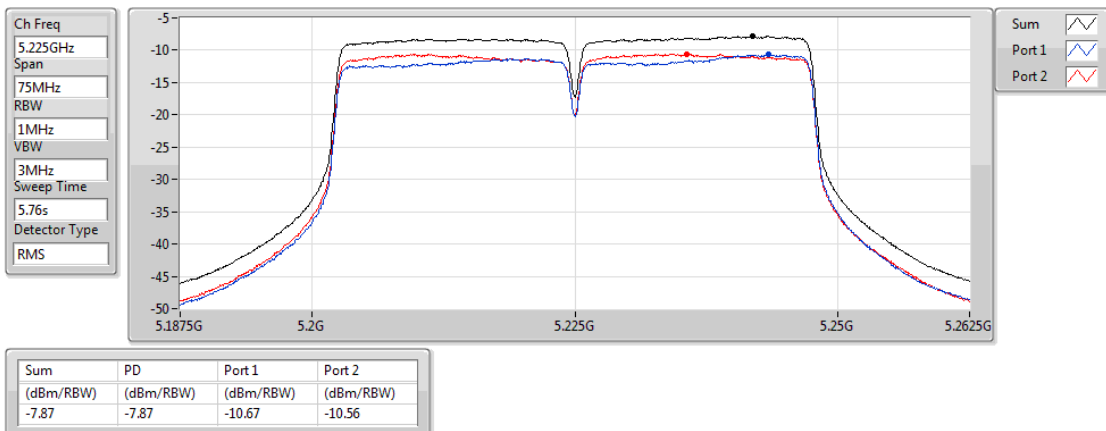
5200MHz



802.11ac VHT50_Nss1,(MCS0)_2TX

PSD

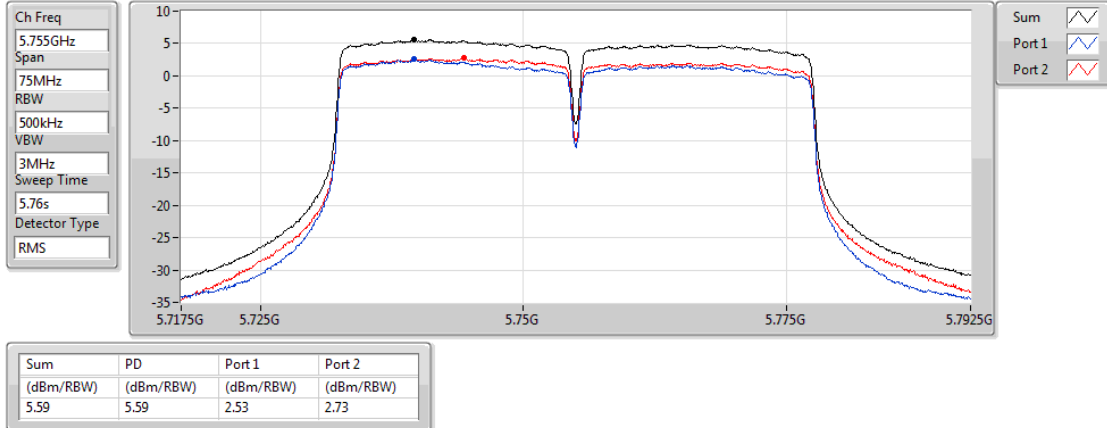
5225MHz



802.11ac VHT50_Nss1,(MCS0)_2TX

PSD

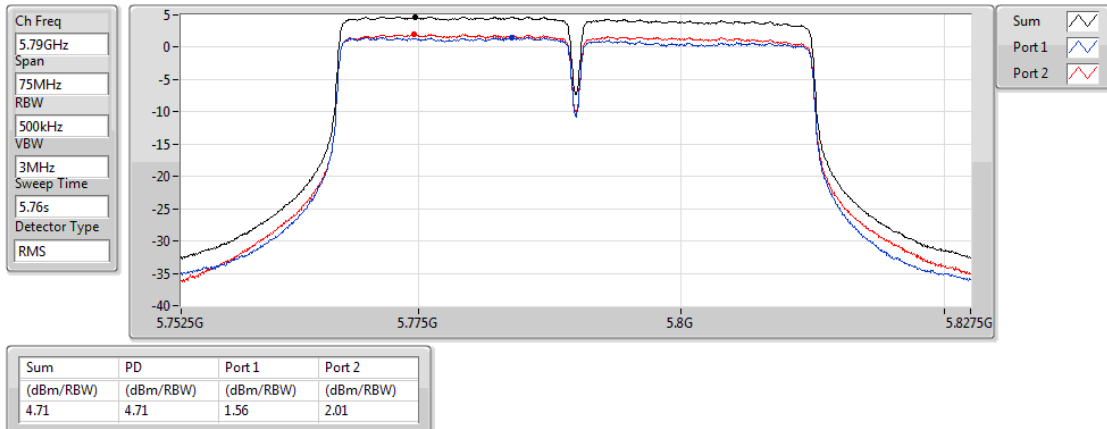
5755MHz



802.11ac VHT50_Nss1,(MCS0)_2TX

PSD

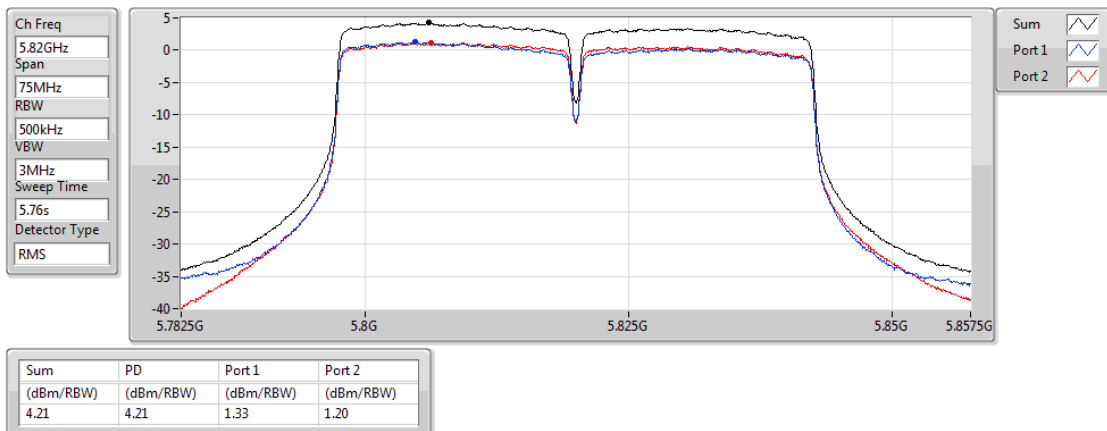
5790MHz



802.11ac VHT50_Nss1,(MCS0)_2TX

PSD

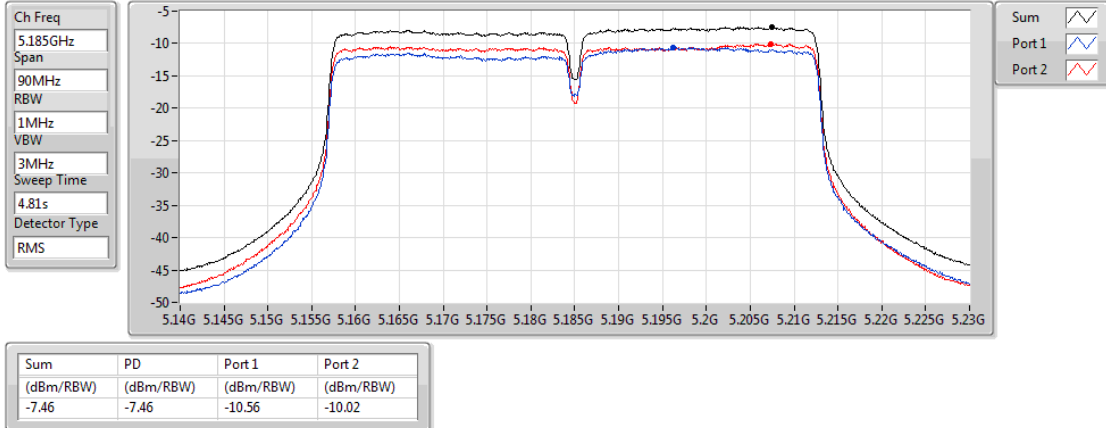
5820MHz



802.11ac VHT60_Nss1,(MCS0)_2TX

PSD

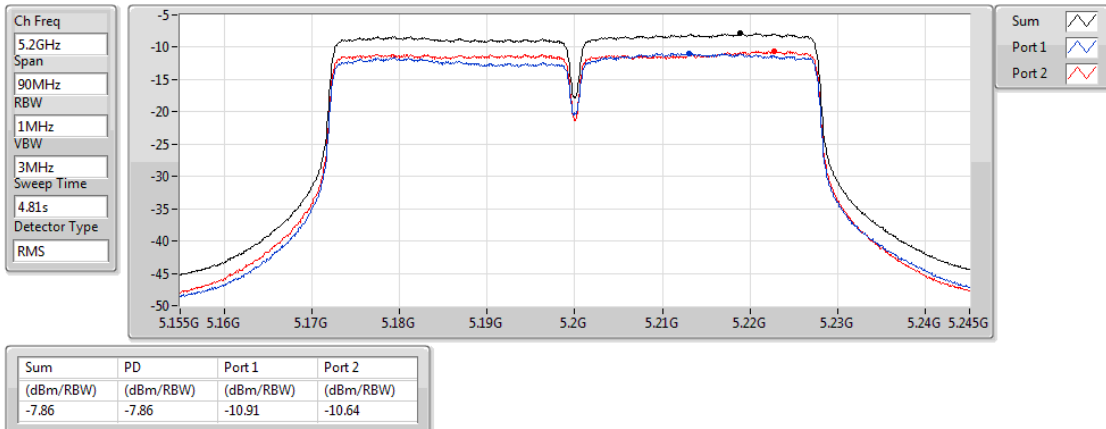
5185MHz



802.11ac VHT60_Nss1,(MCS0)_2TX

PSD

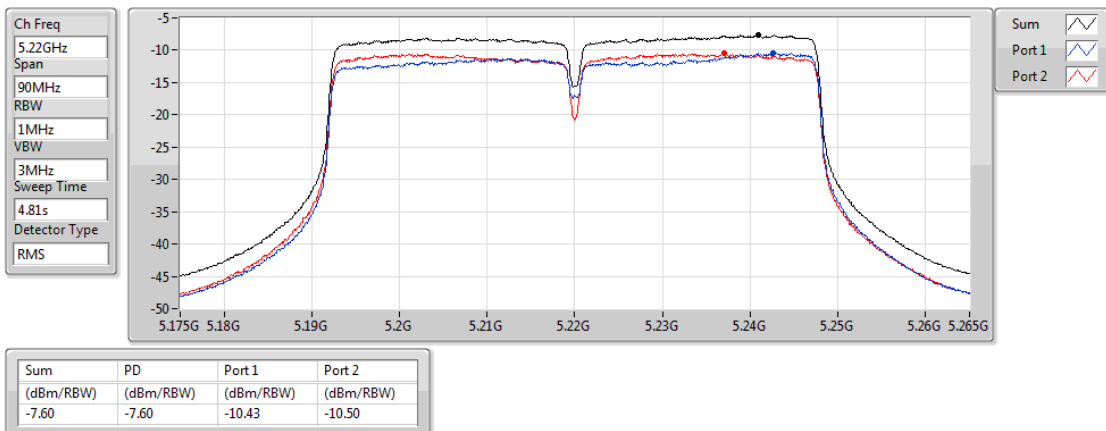
5200MHz



802.11ac VHT60_Nss1,(MCS0)_2TX

PSD

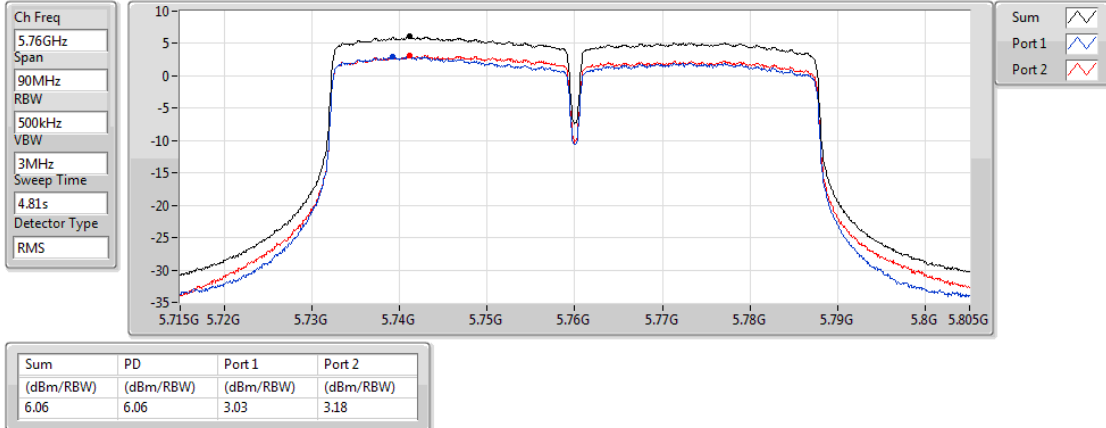
5220MHz



802.11ac VHT60_Nss1,(MCS0)_2TX

PSD

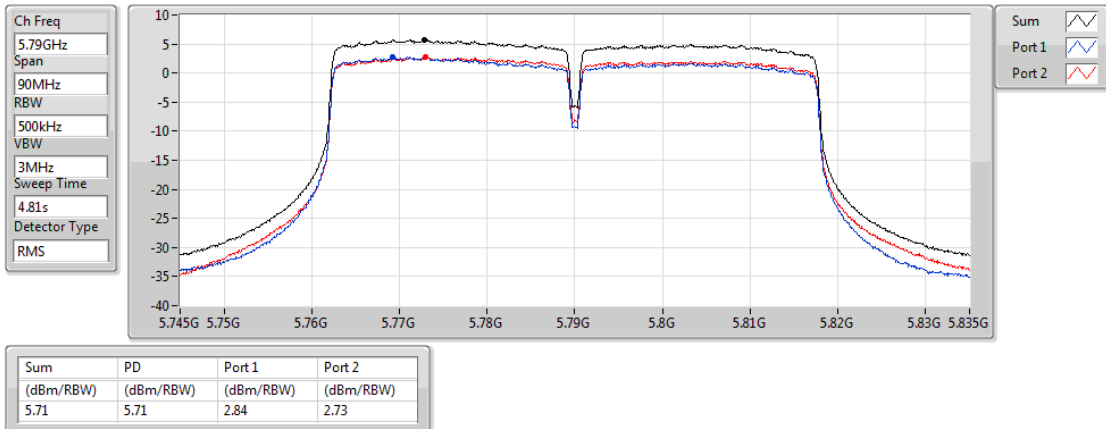
5760MHz



802.11ac VHT60_Nss1,(MCS0)_2TX

PSD

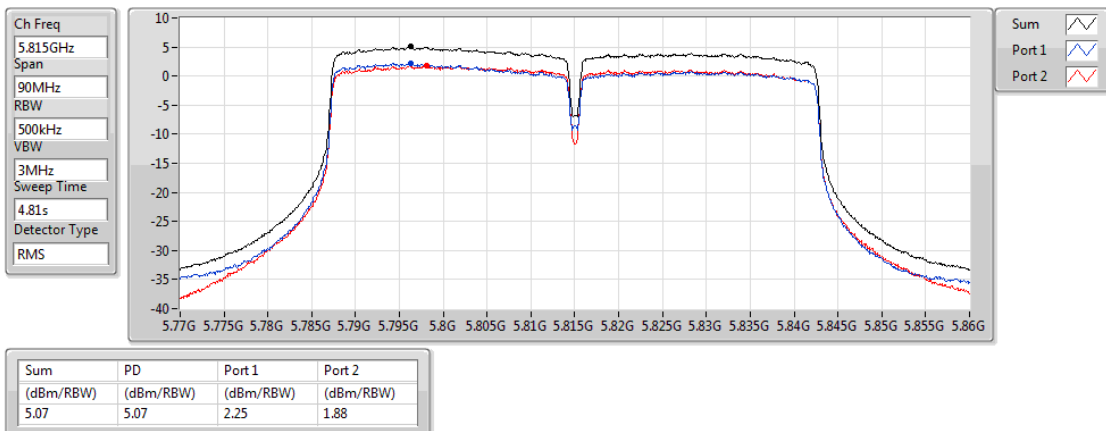
5790MHz



802.11ac VHT60_Nss1,(MCS0)_2TX

PSD

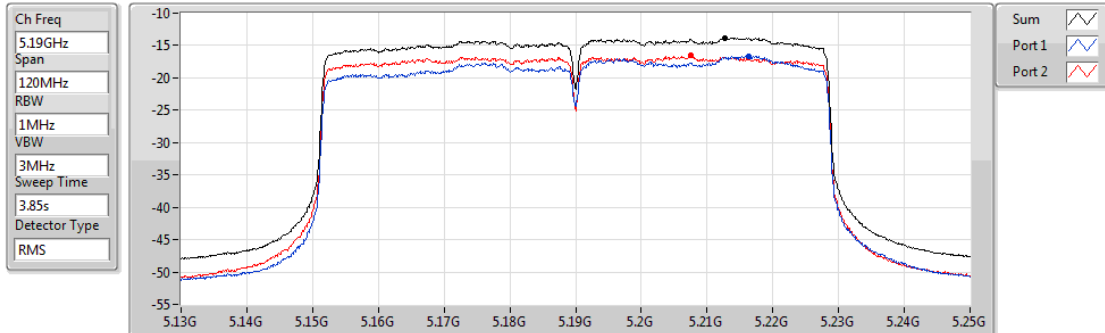
5815MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5190MHz

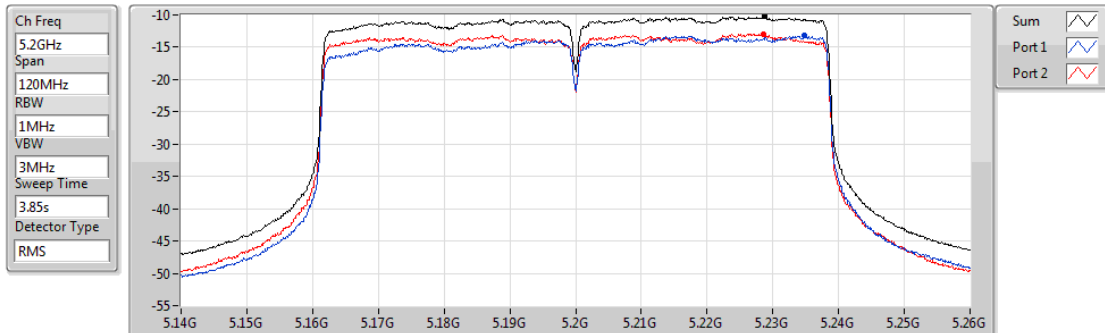


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.80	-13.80	-16.62	-16.57

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5200MHz

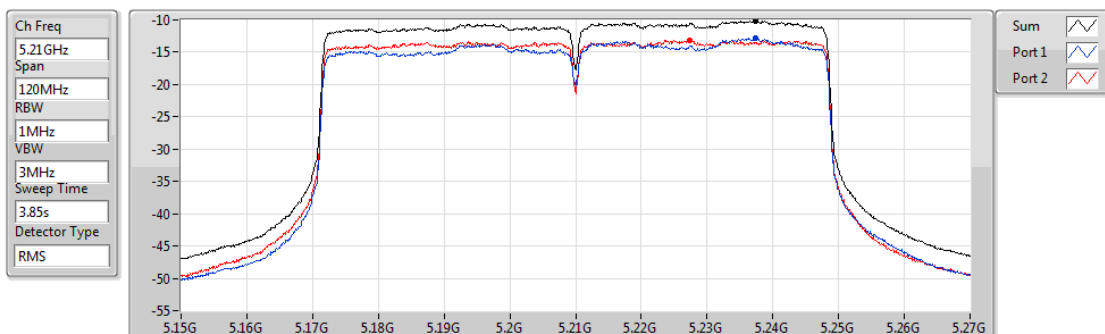


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.24	-10.24	-13.25	-12.94

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

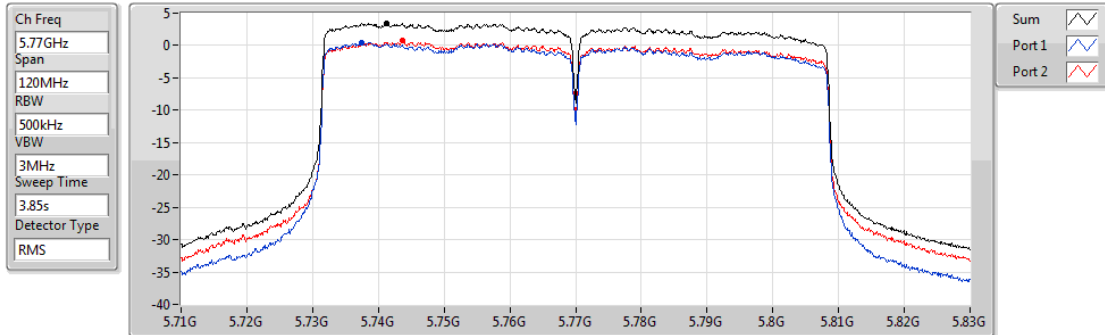


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.12	-10.12	-12.82	-13.13

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5770MHz

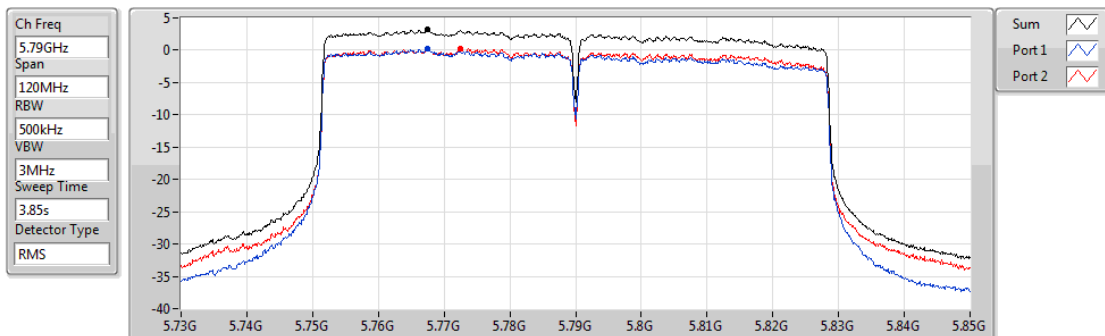


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.39	3.39	0.50	0.70

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5790MHz

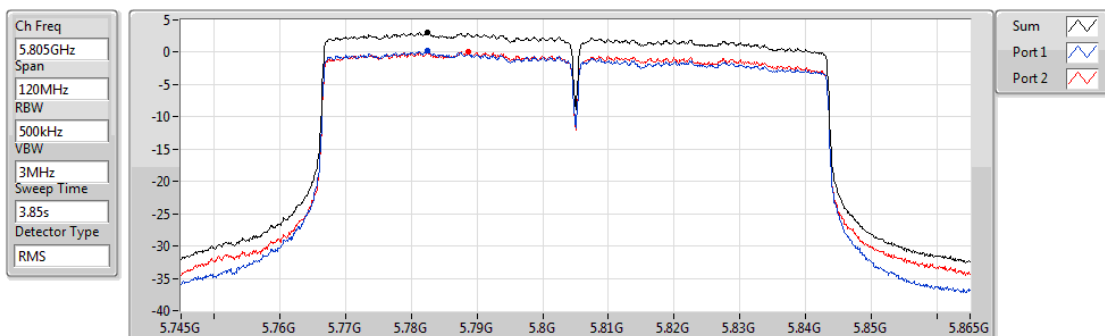


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.21	3.21	0.21	0.28

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5805MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.12	3.12	0.26	0.03

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT10_Nss1,(MCS0)_2TX	13.25	29.26
802.11ac VHT20_Nss1,(MCS0)_2TX	11.24	27.25
802.11ac VHT30_Nss1,(MCS0)_2TX	10.76	26.77
802.11ac VHT40_Nss1,(MCS0)_2TX	7.66	23.67
802.11ac VHT50_Nss1,(MCS0)_2TX	4.94	20.95
802.11ac VHT60_Nss1,(MCS0)_2TX	2.69	18.70
802.11ac VHT80_Nss1,(MCS0)_2TX	-3.09	12.92
5.725-5.85GHz	-	-
802.11ac VHT10_Nss1,(MCS0)_2TX	9.30	25.31
802.11ac VHT20_Nss1,(MCS0)_2TX	7.80	23.81
802.11ac VHT30_Nss1,(MCS0)_2TX	6.94	22.95
802.11ac VHT40_Nss1,(MCS0)_2TX	4.98	20.99
802.11ac VHT50_Nss1,(MCS0)_2TX	5.59	21.60
802.11ac VHT60_Nss1,(MCS0)_2TX	6.06	22.07
802.11ac VHT80_Nss1,(MCS0)_2TX	3.39	19.40

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)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5160MHz	Pass	16.01	0.20	1.44	3.86	17.00	19.87	Inf
5200MHz	Pass	16.01	9.44	9.91	12.47	17.00	28.48	Inf
5245MHz	Pass	16.01	10.19	10.79	13.25	17.00	29.26	Inf
5735MHz	Pass	16.01	6.09	6.66	9.30	30.00	25.31	Inf
5790MHz	Pass	16.01	4.92	4.99	7.93	30.00	23.94	Inf
5840MHz	Pass	16.01	3.78	3.91	6.81	30.00	22.82	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5165MHz	Pass	16.01	-2.77	-1.47	0.90	17.00	16.91	Inf
5200MHz	Pass	16.01	8.01	8.38	11.00	17.00	27.01	Inf
5240MHz	Pass	16.01	8.12	8.74	11.24	17.00	27.25	Inf
5740MHz	Pass	16.01	4.86	4.74	7.80	30.00	23.81	Inf
5790MHz	Pass	16.01	3.51	3.08	6.30	30.00	22.31	Inf
5835MHz	Pass	16.01	1.93	1.92	4.92	30.00	20.93	Inf
802.11ac VHT30_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5170MHz	Pass	16.01	-5.31	-4.95	-2.13	17.00	13.88	Inf
5200MHz	Pass	16.01	3.77	4.68	7.09	17.00	23.10	Inf
5235MHz	Pass	16.01	7.41	8.35	10.76	17.00	26.77	Inf
5745MHz	Pass	16.01	3.99	3.89	6.94	30.00	22.95	Inf
5790MHz	Pass	16.01	2.96	2.70	5.84	30.00	21.85	Inf
5830MHz	Pass	16.01	1.74	1.77	4.75	30.00	20.76	Inf
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5175MHz	Pass	16.01	-7.07	-6.52	-3.91	17.00	12.10	Inf
5200MHz	Pass	16.01	0.39	0.76	3.46	17.00	19.47	Inf
5230MHz	Pass	16.01	4.42	5.27	7.66	17.00	23.67	Inf
5750MHz	Pass	16.01	1.86	2.26	4.98	30.00	20.99	Inf
5790MHz	Pass	16.01	1.35	1.40	4.34	30.00	20.35	Inf
5825MHz	Pass	16.01	0.44	0.41	3.37	30.00	19.38	Inf
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	16.01	-7.52	-7.40	-4.56	17.00	11.45	Inf
5200MHz	Pass	16.01	-2.40	-2.06	0.57	17.00	16.58	Inf
5225MHz	Pass	16.01	1.77	2.28	4.94	17.00	20.95	Inf
5755MHz	Pass	16.01	2.53	2.73	5.59	30.00	21.60	Inf
5790MHz	Pass	16.01	1.56	2.01	4.71	30.00	20.72	Inf
5820MHz	Pass	16.01	1.33	1.20	4.21	30.00	20.22	Inf
802.11ac VHT60_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5185MHz	Pass	16.01	-7.52	-7.60	-4.68	17.00	11.33	Inf
5200MHz	Pass	16.01	-1.90	-2.28	0.75	17.00	16.76	Inf
5220MHz	Pass	16.01	-0.14	-0.14	2.69	17.00	18.70	Inf
5760MHz	Pass	16.01	3.03	3.18	6.06	30.00	22.07	Inf
5790MHz	Pass	16.01	2.84	2.73	5.71	30.00	21.72	Inf
5815MHz	Pass	16.01	2.25	1.88	5.07	30.00	21.08	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	16.01	-16.62	-16.57	-13.80	17.00	2.21	Inf



PSD Result (P to P)

Appendix D

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5200MHz	Pass	16.01	-6.20	-5.81	-3.28	17.00	12.73	Inf
5210MHz	Pass	16.01	-6.16	-5.69	-3.09	17.00	12.92	Inf
5770MHz	Pass	16.01	0.50	0.70	3.39	30.00	19.40	Inf
5790MHz	Pass	16.01	0.21	0.28	3.21	30.00	19.22	Inf
5805MHz	Pass	16.01	0.26	0.03	3.12	30.00	19.13	Inf

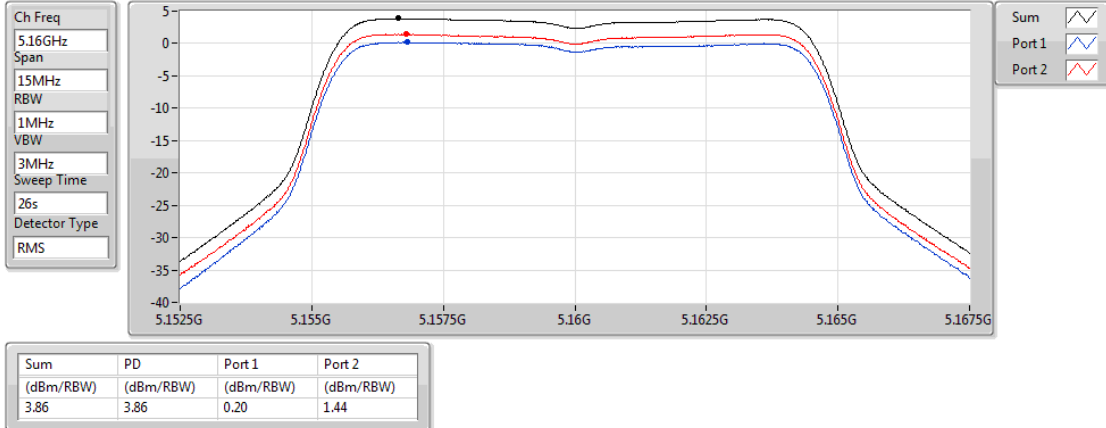
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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

802.11ac VHT10_Nss1,(MCS0)_2TX

PSD

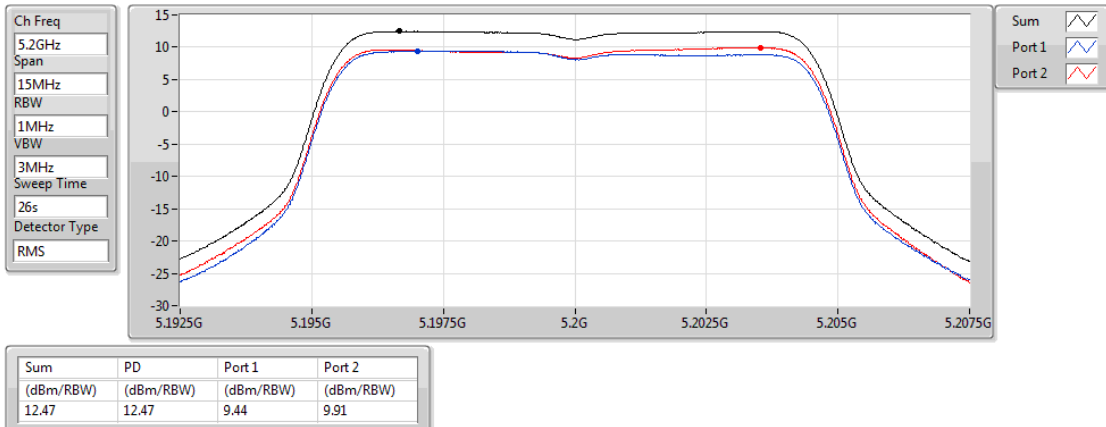
5160MHz



802.11ac VHT10_Nss1,(MCS0)_2TX

PSD

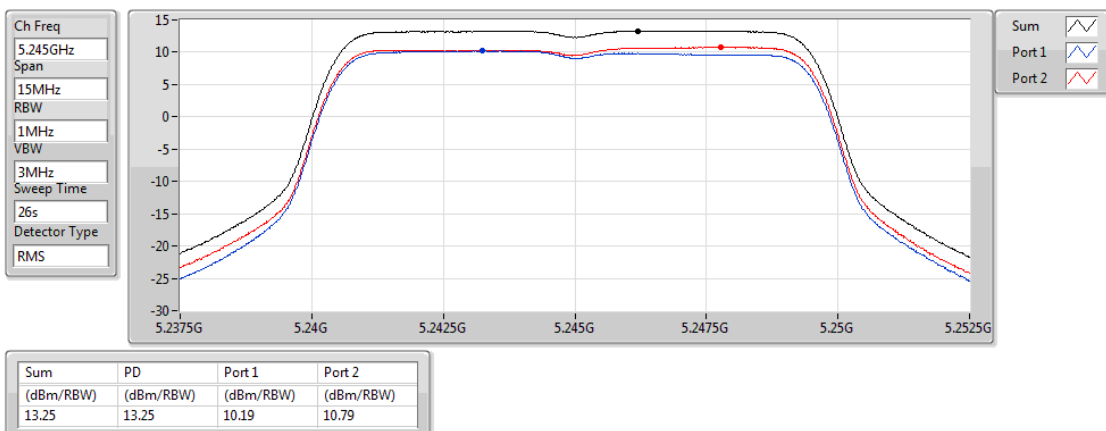
5200MHz



802.11ac VHT10_Nss1,(MCS0)_2TX

PSD

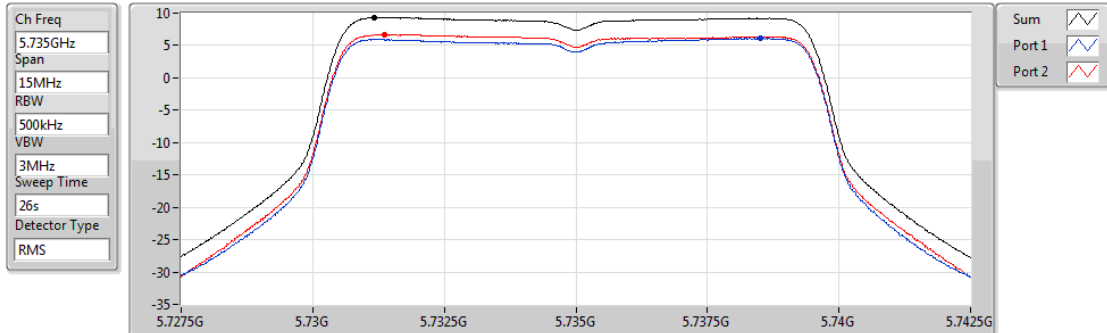
5245MHz



802.11ac VHT10_Nss1,(MCS0)_2TX

PSD

5735MHz

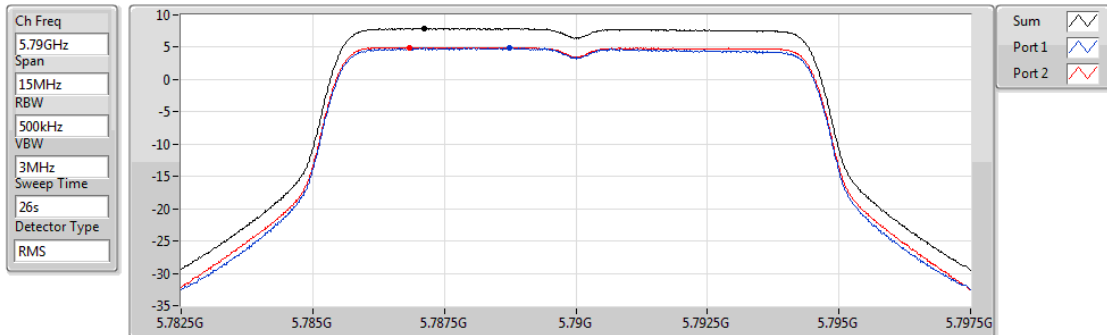


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.30	9.30	6.09	6.66

802.11ac VHT10_Nss1,(MCS0)_2TX

PSD

5790MHz

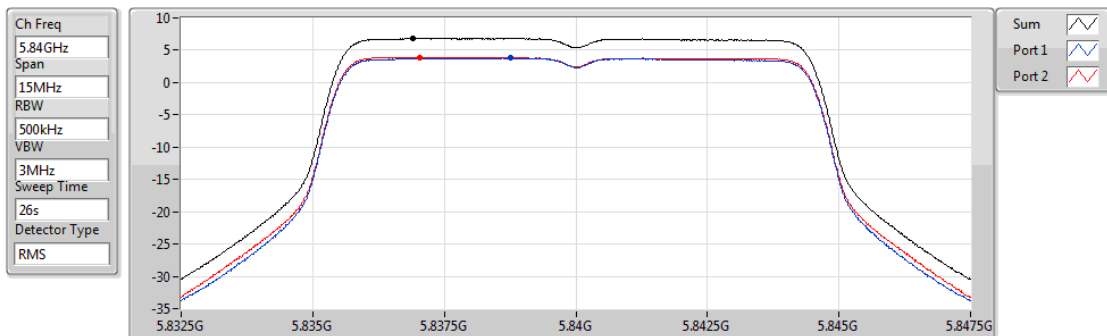


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.93	7.93	4.92	4.99

802.11ac VHT10_Nss1,(MCS0)_2TX

PSD

5840MHz

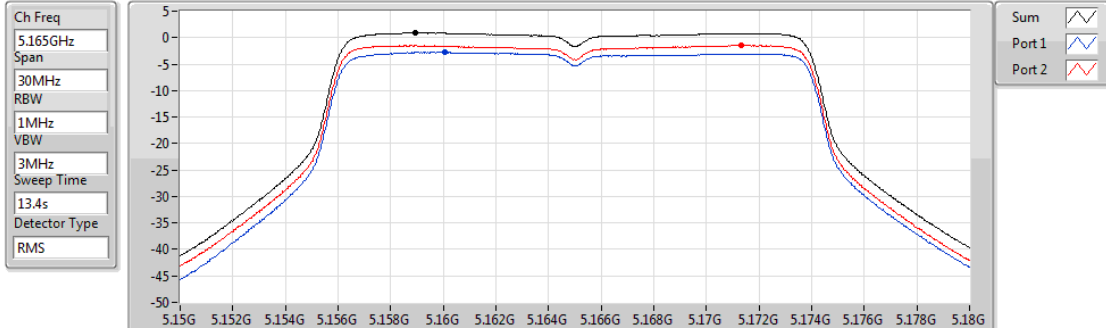


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.81	6.81	3.78	3.91

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5165MHz

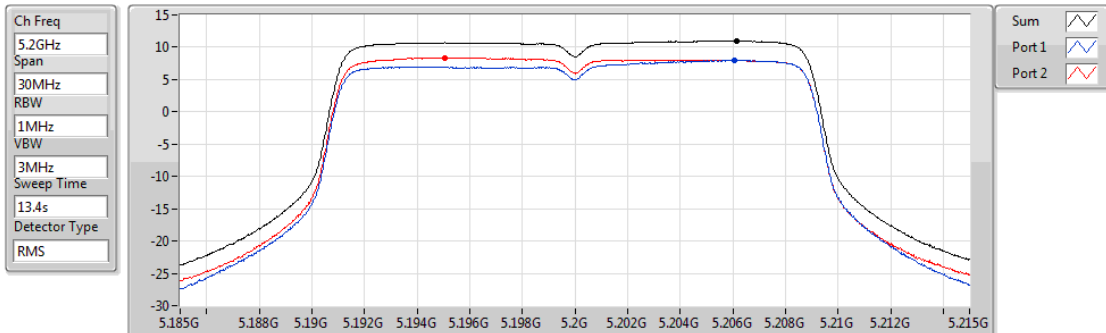


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.90	0.90	-2.77	-1.47

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5200MHz

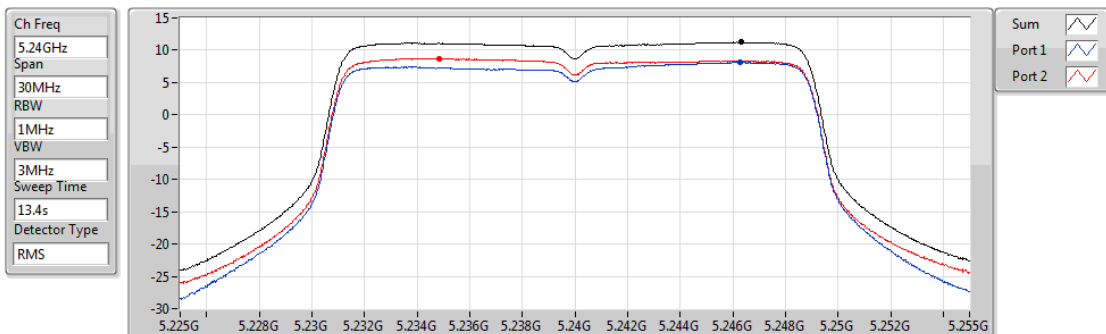


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.00	11.00	8.01	8.38

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5240MHz

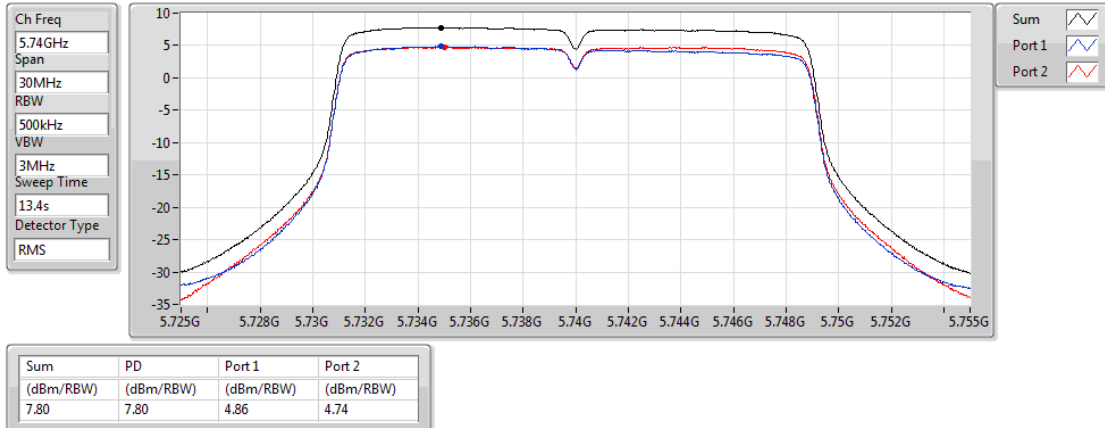


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.24	11.24	8.12	8.74

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

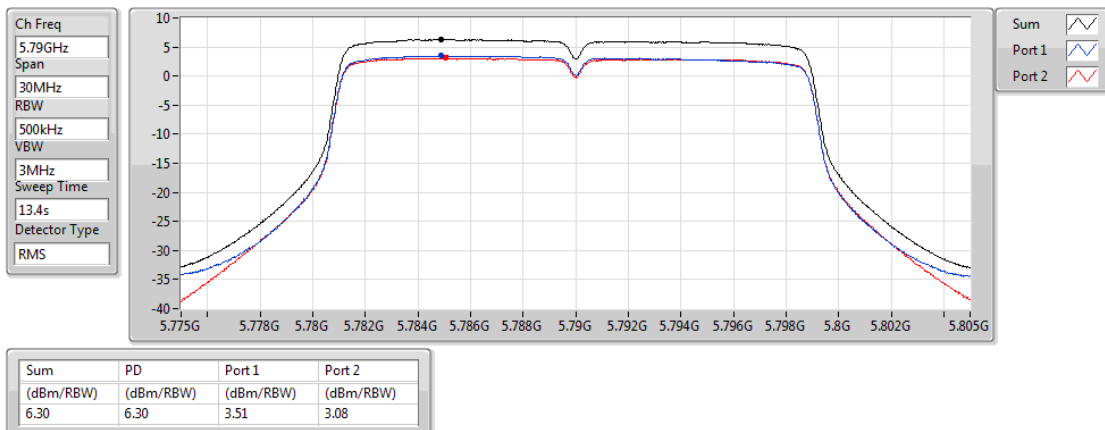
5740MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

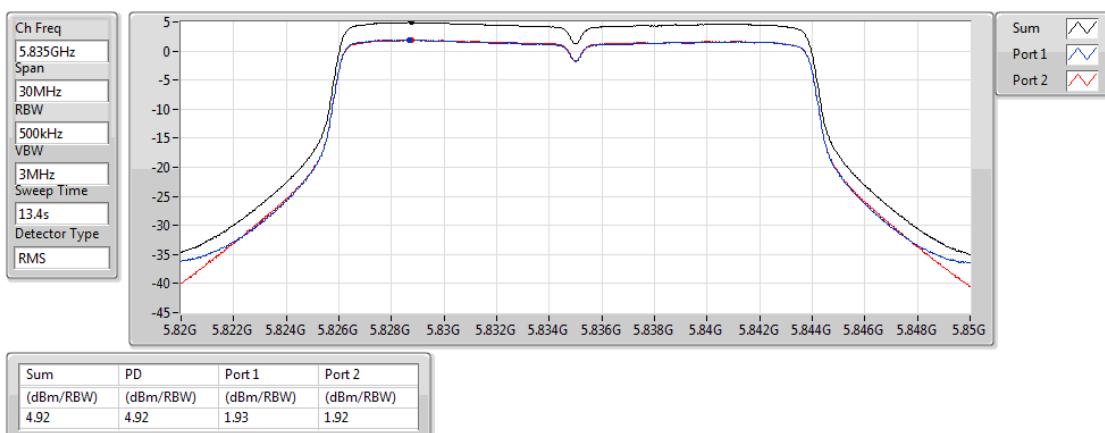
5790MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

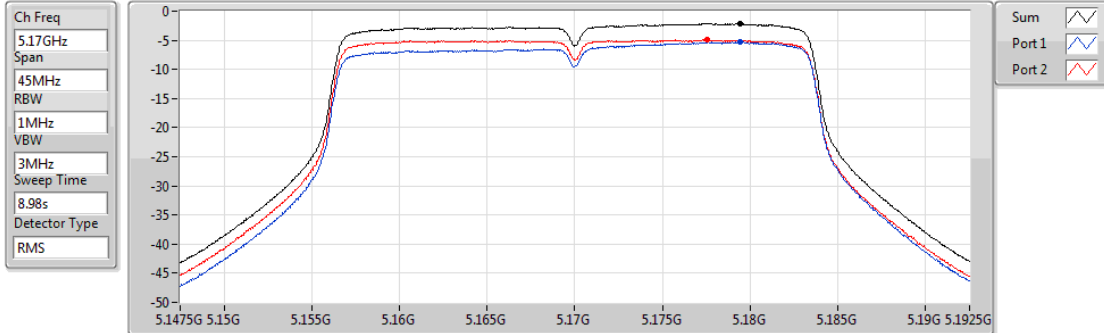
5835MHz



802.11ac VHT30_Nss1,(MCS0)_2TX

PSD

5170MHz

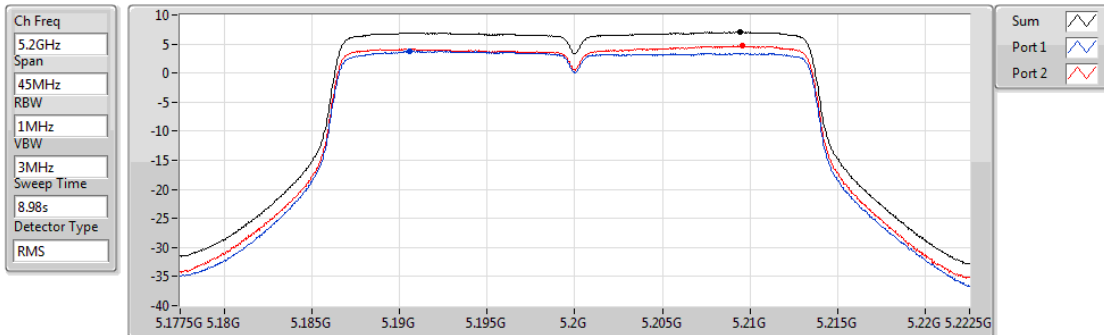


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.13	-2.13	-5.31	-4.95

802.11ac VHT30_Nss1,(MCS0)_2TX

PSD

5200MHz

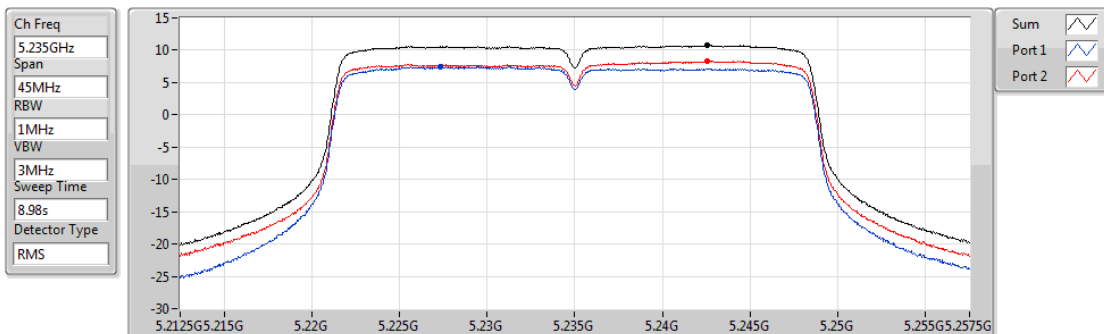


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.09	7.09	3.77	4.68

802.11ac VHT30_Nss1,(MCS0)_2TX

PSD

5235MHz

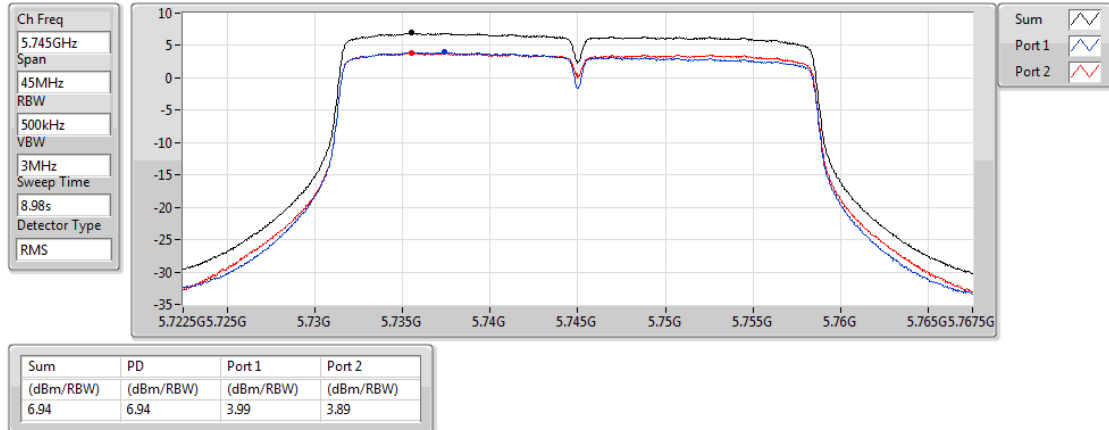


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.76	10.76	7.41	8.35

802.11ac VHT30_Nss1,(MCS0)_2TX

PSD

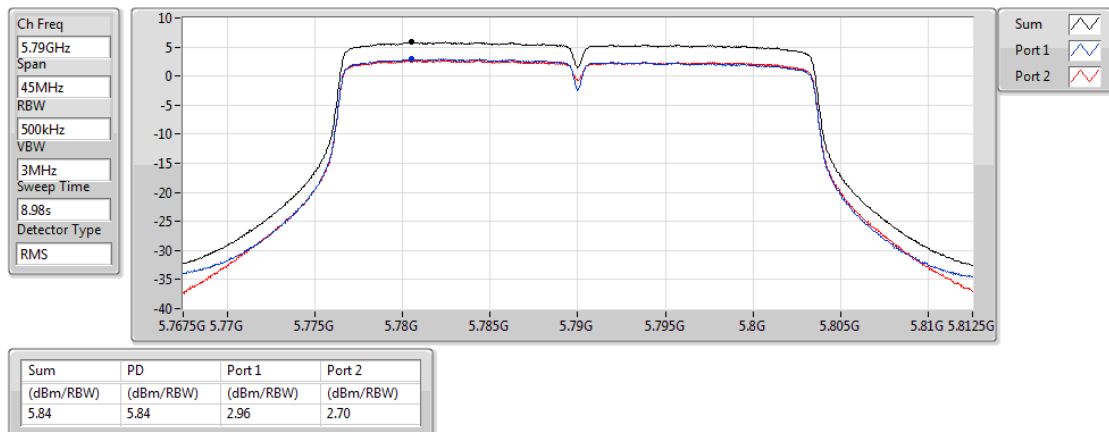
5745MHz



802.11ac VHT30_Nss1,(MCS0)_2TX

PSD

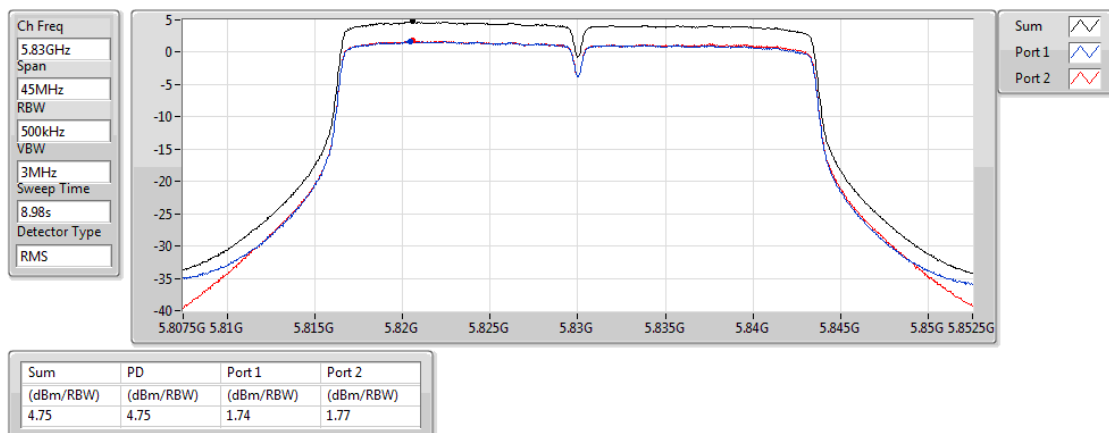
5790MHz



802.11ac VHT30_Nss1,(MCS0)_2TX

PSD

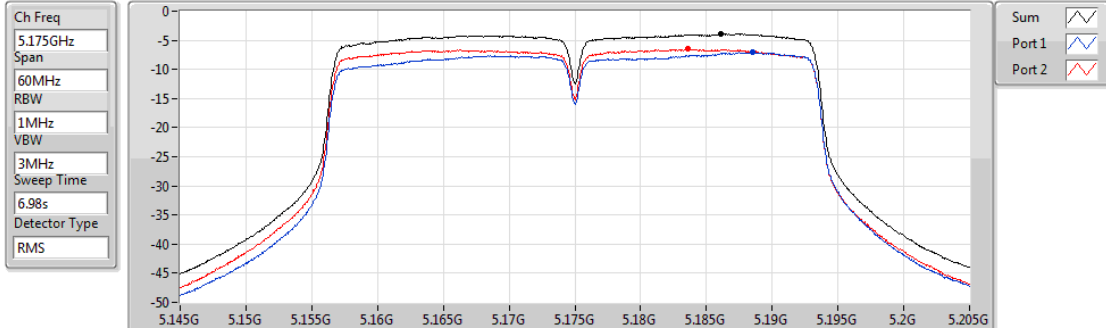
5830MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5175MHz

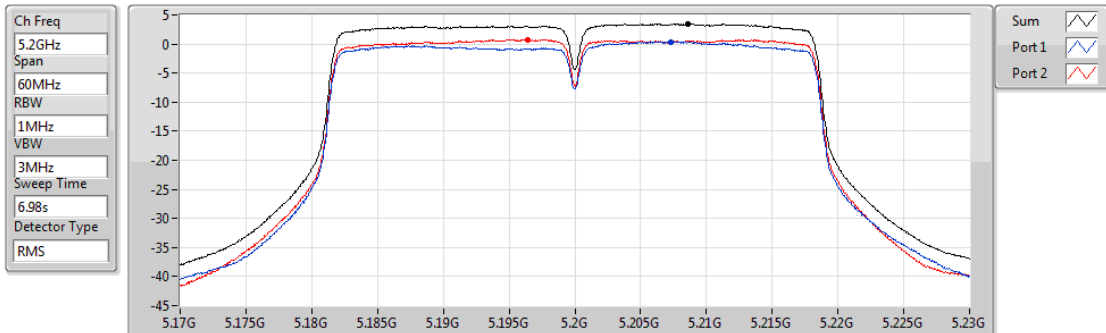


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.91	-3.91	-7.07	-6.52

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5200MHz

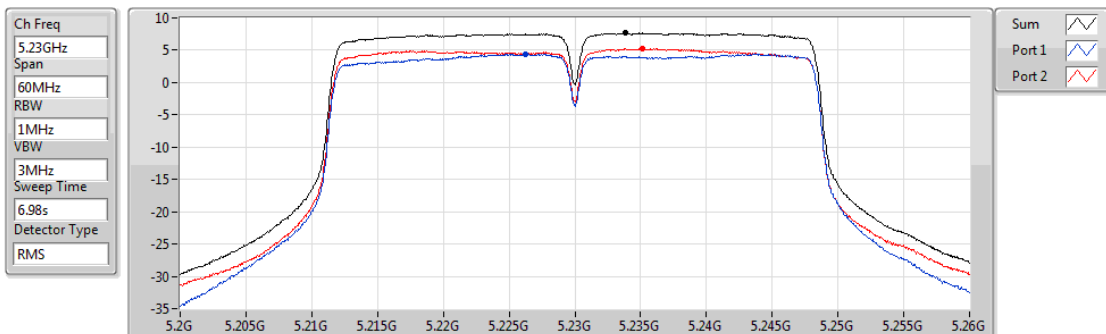


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.46	3.46	0.39	0.76

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5230MHz

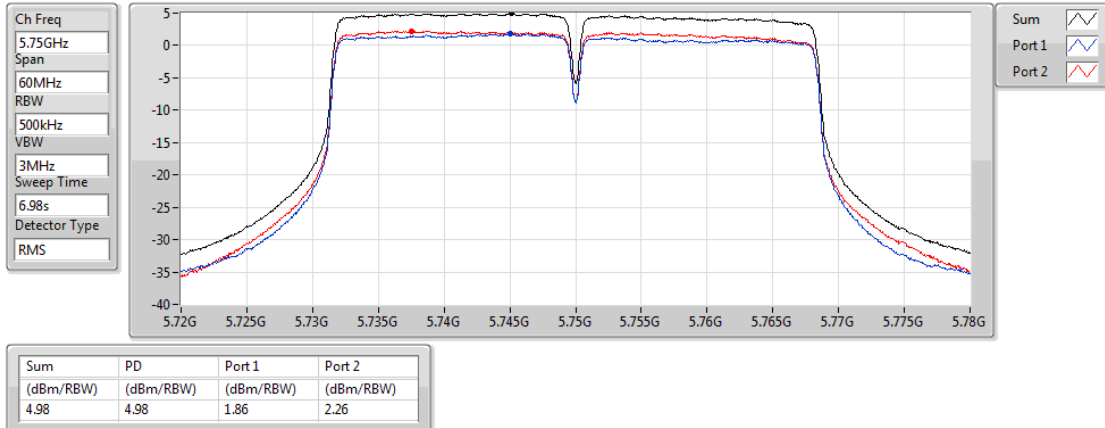


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.66	7.66	4.42	5.27

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

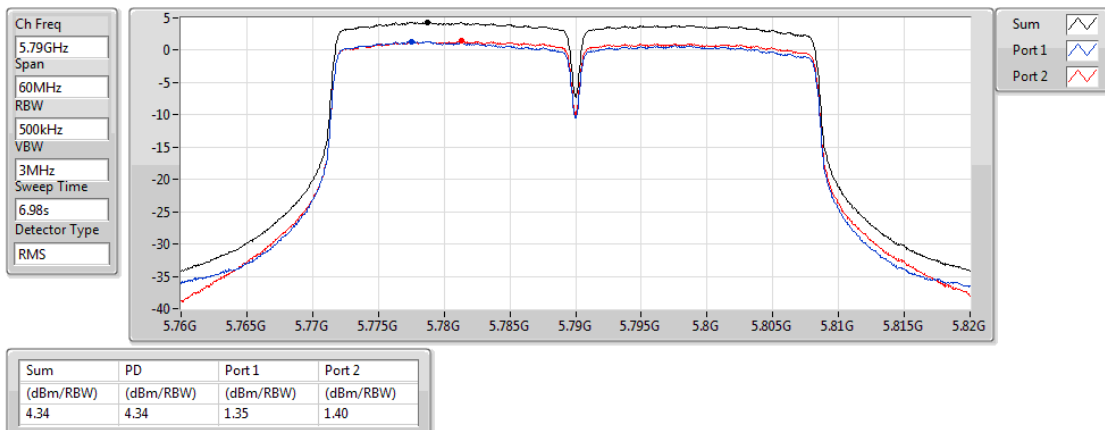
5750MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

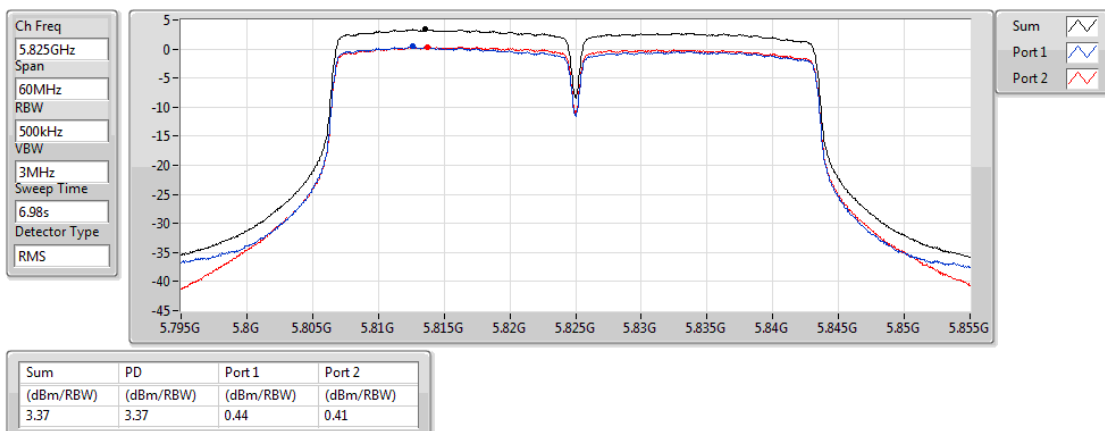
5790MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

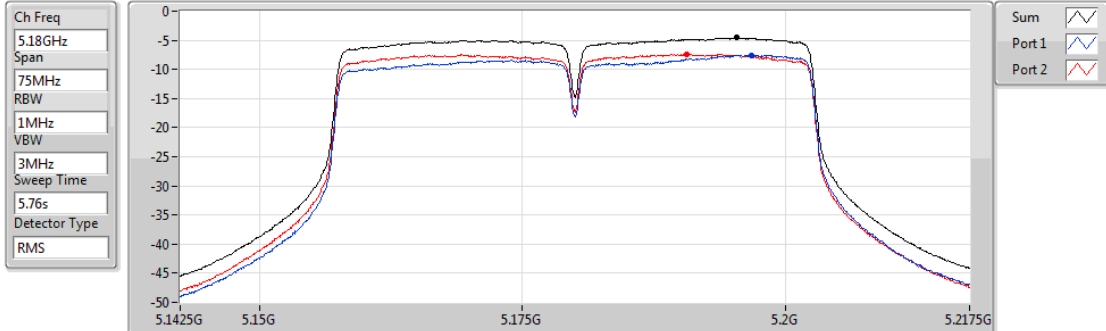
5825MHz



802.11ac VHT50_Nss1,(MCS0)_2TX

PSD

5180MHz

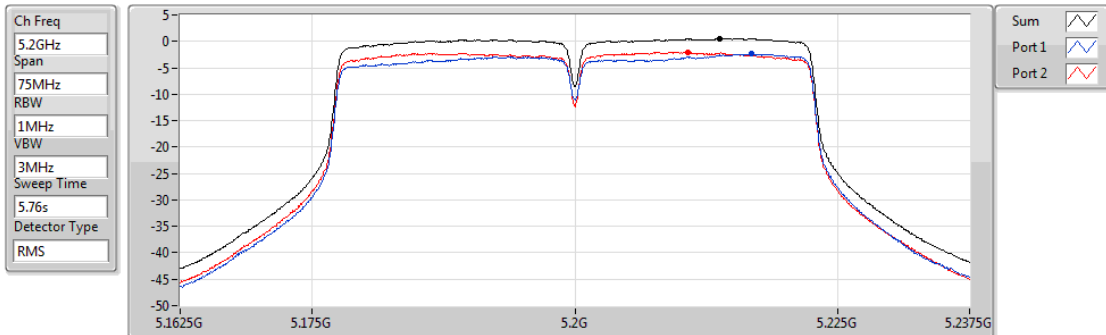


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.56	-4.56	-7.52	-7.40

802.11ac VHT50_Nss1,(MCS0)_2TX

PSD

5200MHz

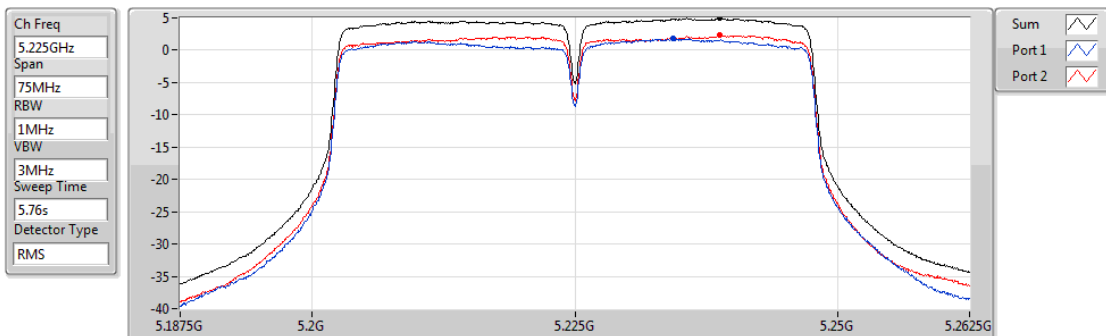


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.57	0.57	-2.40	-2.06

802.11ac VHT50_Nss1,(MCS0)_2TX

PSD

5225MHz

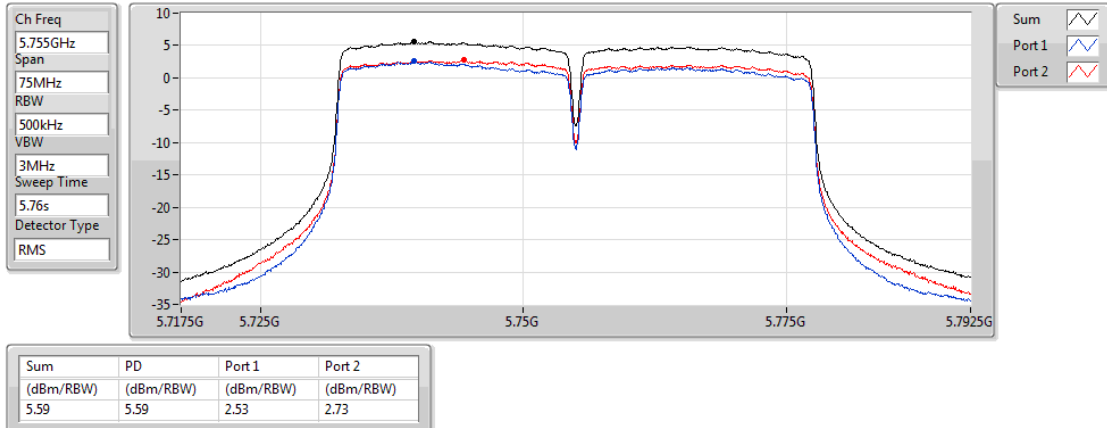


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.94	4.94	1.77	2.28

802.11ac VHT50_Nss1,(MCS0)_2TX

PSD

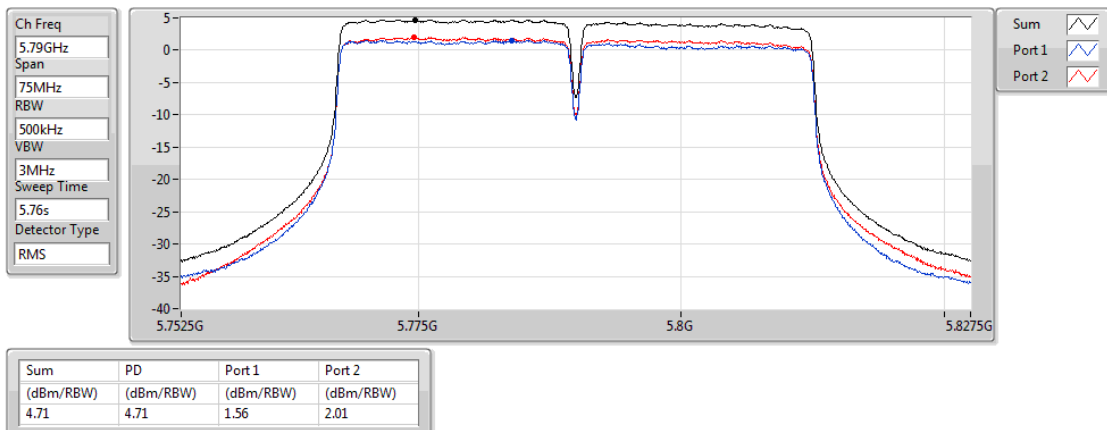
5755MHz



802.11ac VHT50_Nss1,(MCS0)_2TX

PSD

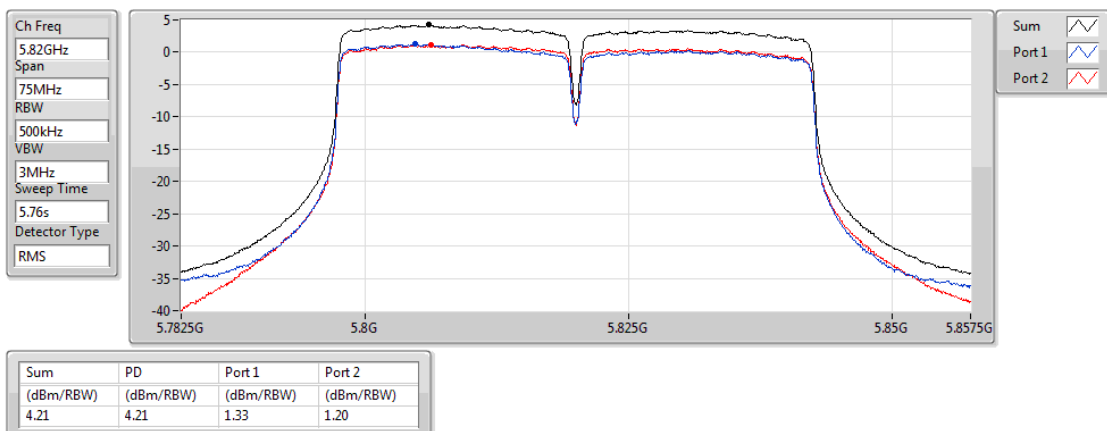
5790MHz



802.11ac VHT50_Nss1,(MCS0)_2TX

PSD

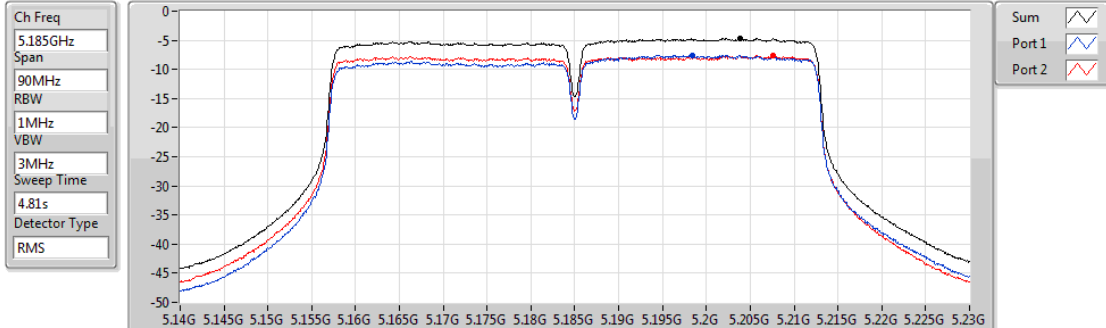
5820MHz



802.11ac VHT60_Nss1,(MCS0)_2TX

PSD

5185MHz

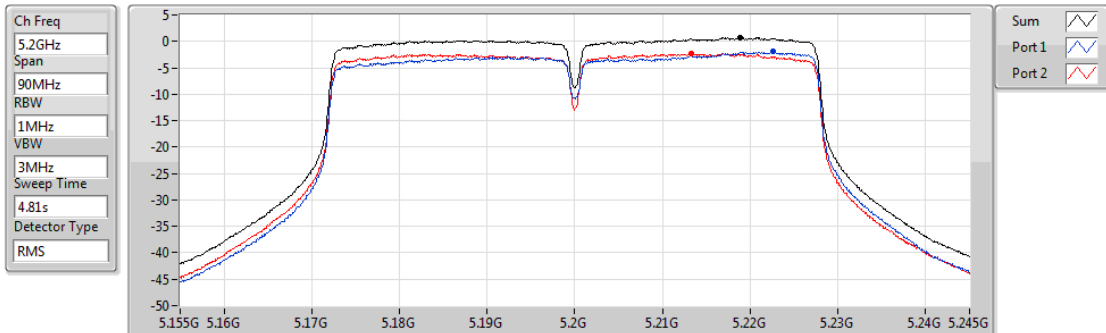


Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-4.68	-4.68	-7.52	-7.60

802.11ac VHT60_Nss1,(MCS0)_2TX

PSD

5200MHz

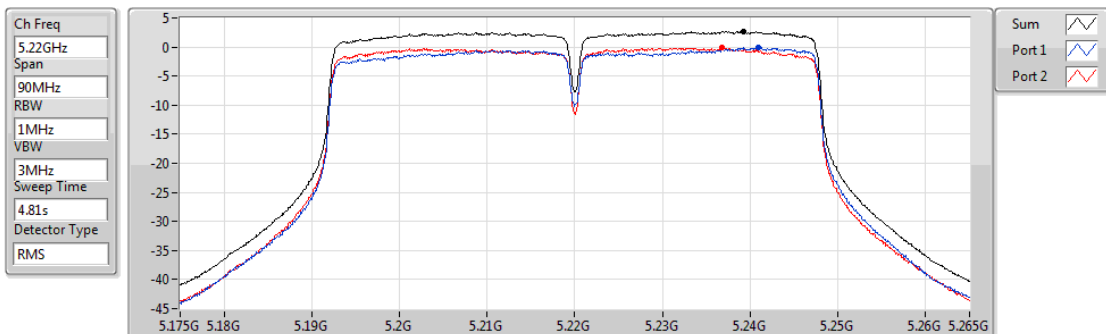


Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
0.75	0.75	-1.90	-2.28

802.11ac VHT60_Nss1,(MCS0)_2TX

PSD

5220MHz

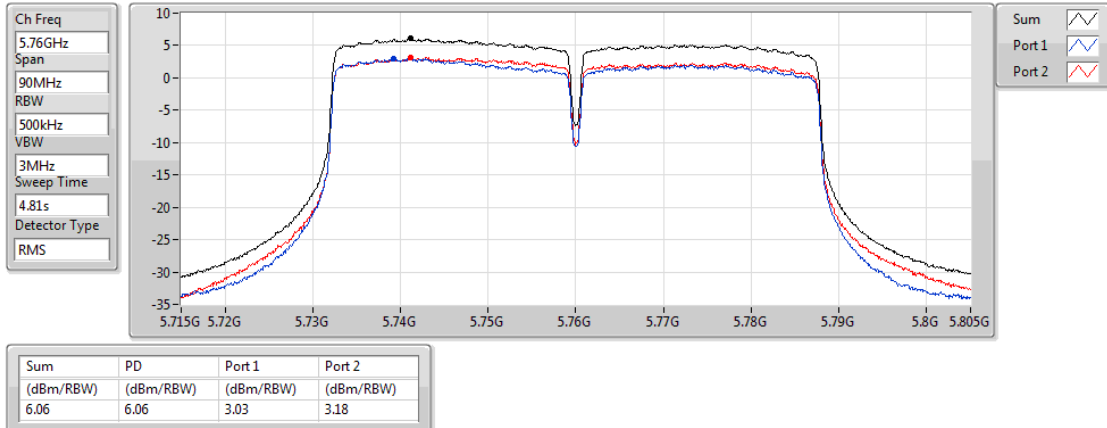


Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
2.69	2.69	-0.14	-0.14

802.11ac VHT60_Nss1,(MCS0)_2TX

PSD

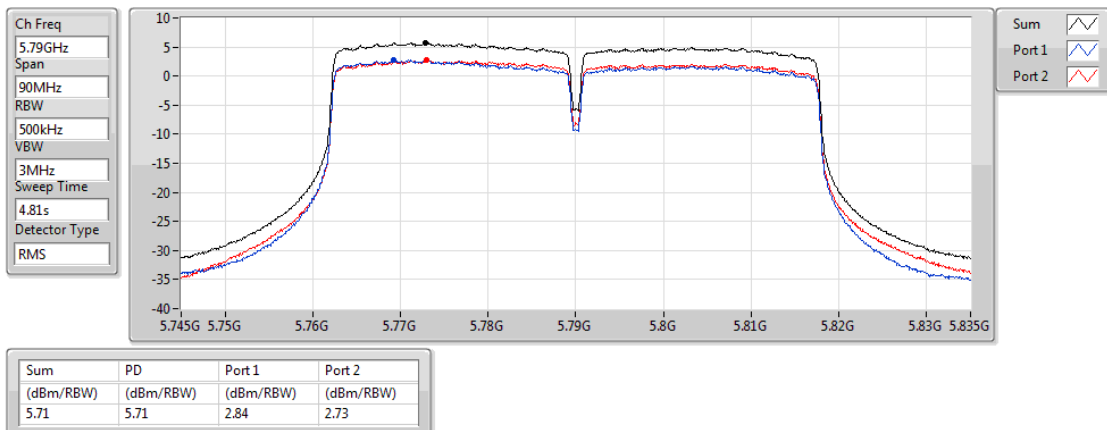
5760MHz



802.11ac VHT60_Nss1,(MCS0)_2TX

PSD

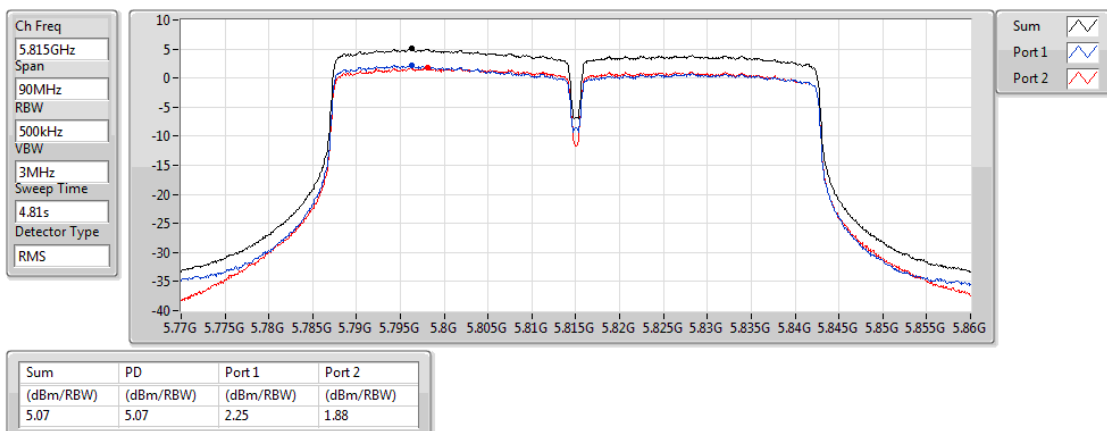
5790MHz



802.11ac VHT60_Nss1,(MCS0)_2TX

PSD

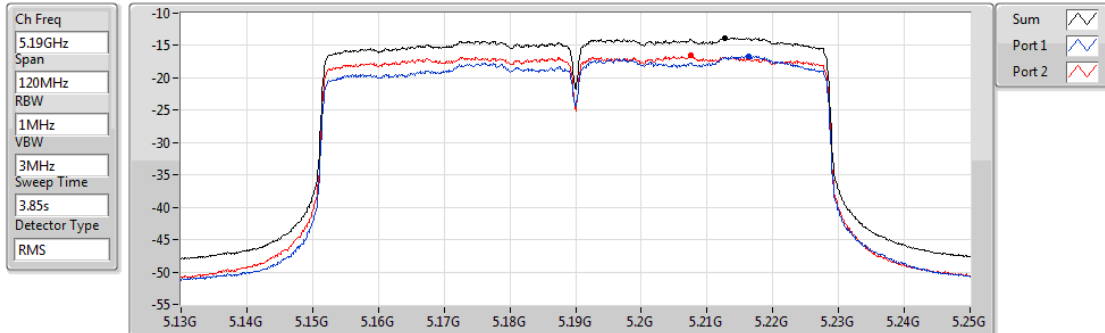
5815MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5190MHz

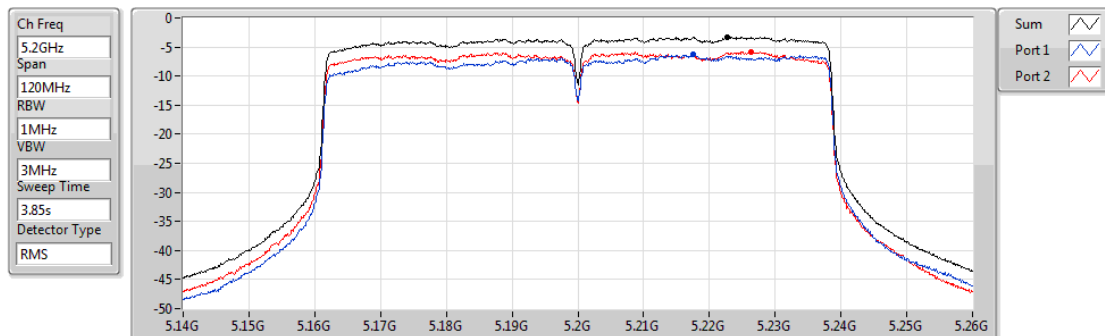


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.80	-13.80	-16.62	-16.57

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5200MHz

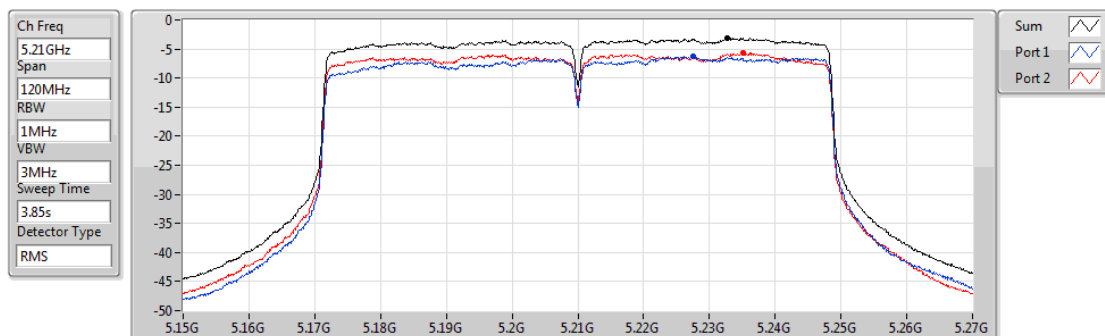


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.28	-3.28	-6.20	-5.81

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

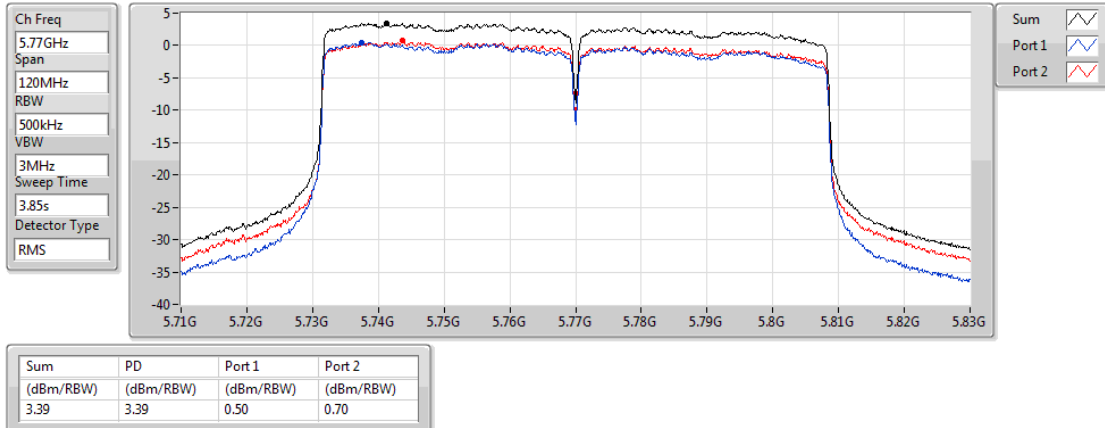


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.09	-3.09	-6.16	-5.69

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

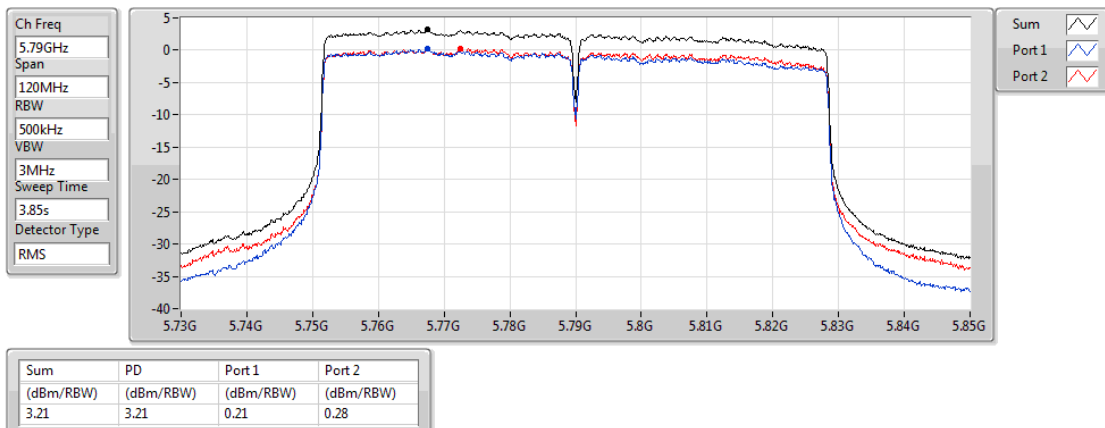
5770MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

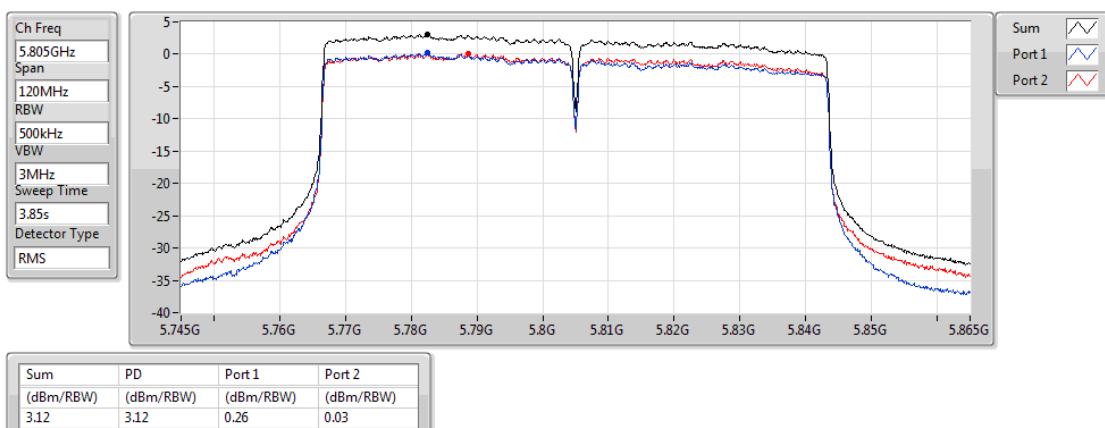
5790MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5805MHz



**Summary**

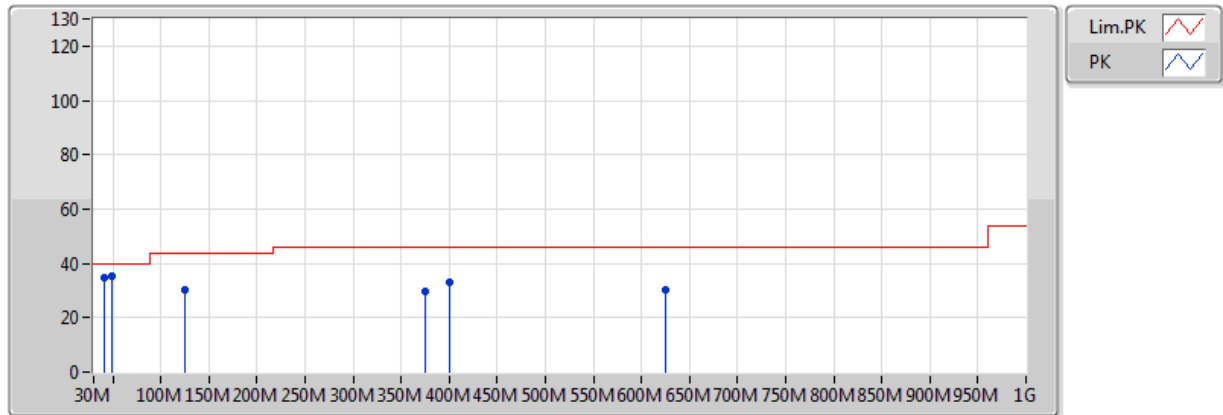
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	QP	49.4M	35.08	40.00	-4.92	-13.30	3	Vertical	200	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5790MHz	Pass	PK	41.64M	34.01	40.00	-5.99	-9.99	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	134.76M	32.15	43.50	-11.35	-9.37	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	249.22M	30.57	46.00	-15.43	-7.80	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	400.54M	32.97	46.00	-13.03	-4.04	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	712.88M	37.17	46.00	-8.83	-0.08	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	875.84M	36.15	46.00	-9.85	2.59	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	125.06M	30.03	43.50	-13.47	-8.94	3	Vertical	360	1.00	-
5790MHz	Pass	PK	375.32M	29.63	46.00	-16.37	-4.78	3	Vertical	360	1.00	-
5790MHz	Pass	PK	400.54M	32.95	46.00	-13.05	-4.04	3	Vertical	360	1.00	-
5790MHz	Pass	PK	625.58M	30.49	46.00	-15.51	-0.96	3	Vertical	360	1.00	-
5790MHz	Pass	QP	41.64M	34.82	40.00	-5.18	-9.99	3	Vertical	238	1.75	-
5790MHz	Pass	QP	49.4M	35.08	40.00	-4.92	-13.30	3	Vertical	200	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5790MHz_PoE

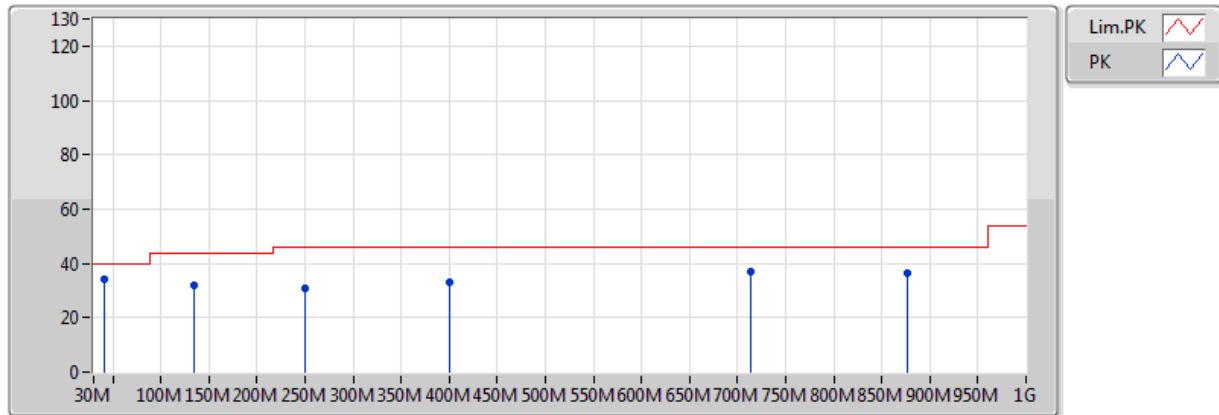


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	125.06M	30.03	43.50	-13.47	-8.94	3	Vertical	360	1.00	-	38.97	17.12	1.66	27.72
PK	375.32M	29.63	46.00	-16.37	-4.78	3	Vertical	360	1.00	-	34.41	20.19	2.80	27.77
PK	400.54M	32.95	46.00	-13.05	-4.04	3	Vertical	360	1.00	-	36.99	20.92	3.00	27.96
PK	625.58M	30.49	46.00	-15.51	-0.96	3	Vertical	360	1.00	-	31.45	23.85	3.71	28.51
QP	49.4M	35.08	40.00	-4.92	-13.30	3	Vertical	200	1.00	-	48.38	13.33	0.94	27.57
QP	41.64M	34.82	40.00	-5.18	-9.99	3	Vertical	238	1.75	-	44.81	16.75	0.94	27.68

802.11ac VHT80_Nss1,(MCS0)_2TX

5790MHz_PoE



EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	41.64M	34.01	40.00	-5.99	-9.99	3	Horizontal	0	1.00	-	44.00	16.75	0.94	27.68
PK	134.76M	32.15	43.50	-11.35	-9.37	3	Horizontal	0	1.00	-	41.52	16.56	1.75	27.68
PK	249.22M	30.57	46.00	-15.43	-7.80	3	Horizontal	0	1.00	-	38.37	17.32	2.20	27.32
PK	400.54M	32.97	46.00	-13.03	-4.04	3	Horizontal	0	1.00	-	37.01	20.92	3.00	27.96
PK	712.88M	37.17	46.00	-8.83	-0.08	3	Horizontal	0	1.00	-	37.25	24.15	4.12	28.34
PK	875.84M	36.15	46.00	-9.85	2.59	3	Horizontal	0	1.00	-	33.56	25.37	4.97	27.76

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.149995G	53.88	54.00	-0.12	2.80	3	Vertical	356	1.47	-
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	PK	17.36076G	68.10	68.20	-0.10	19.10	3	Horizontal	347	1.50	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5160MHz	Pass	AV	5.149995G	48.12	54.00	-5.88	2.80	3	Horizontal	360	1.48	-
5160MHz	Pass	AV	5.1638G	97.13	Inf	-Inf	2.81	3	Horizontal	360	1.48	-
5160MHz	Pass	PK	5.1496G	70.93	74.00	-3.07	2.80	3	Horizontal	360	1.48	-
5160MHz	Pass	PK	5.1634G	108.74	Inf	-Inf	2.81	3	Horizontal	360	1.48	-
5160MHz	Pass	AV	5.149995G	53.04	54.00	-0.96	2.80	3	Vertical	3	1.49	-
5160MHz	Pass	AV	5.1614G	97.68	Inf	-Inf	2.81	3	Vertical	3	1.49	-
5160MHz	Pass	PK	5.1498G	72.46	74.00	-1.54	2.80	3	Vertical	3	1.49	-
5160MHz	Pass	PK	5.1616G	109.80	Inf	-Inf	2.81	3	Vertical	3	1.49	-
5160MHz	Pass	AV	15.48G	44.95	54.00	-9.05	15.02	3	Horizontal	153	1.50	-
5160MHz	Pass	PK	15.48G	59.63	74.00	-14.37	15.02	3	Horizontal	153	1.50	-
5160MHz	Pass	AV	15.48G	45.13	54.00	-8.87	15.02	3	Vertical	162	1.03	-
5160MHz	Pass	PK	15.48G	59.08	74.00	-14.92	15.02	3	Vertical	162	1.03	-
5200MHz	Pass	AV	5.1464G	45.43	54.00	-8.57	2.80	3	Horizontal	191	1.87	-
5200MHz	Pass	AV	5.1976G	107.70	Inf	-Inf	2.83	3	Horizontal	191	1.87	-
5200MHz	Pass	PK	5.1196G	58.00	74.00	-16.00	2.78	3	Horizontal	191	1.87	-
5200MHz	Pass	PK	5.1964G	118.75	Inf	-Inf	2.83	3	Horizontal	191	1.87	-
5200MHz	Pass	AV	5.1216G	46.20	54.00	-7.80	2.78	3	Vertical	192	1.88	-
5200MHz	Pass	AV	5.1992G	107.76	Inf	-Inf	2.83	3	Vertical	192	1.88	-
5200MHz	Pass	PK	5.1404G	58.90	74.00	-15.10	2.79	3	Vertical	192	1.88	-
5200MHz	Pass	PK	5.2012G	119.48	Inf	-Inf	2.83	3	Vertical	192	1.88	-
5200MHz	Pass	AV	10.40216G	53.23	54.00	-0.77	12.54	3	Horizontal	56	1.50	-
5200MHz	Pass	AV	15.59988G	50.69	54.00	-3.31	13.84	3	Horizontal	12	1.12	-
5200MHz	Pass	PK	10.4051G	69.75	74.00	-4.25	12.55	3	Horizontal	56	1.50	-
5200MHz	Pass	PK	15.5985G	69.22	74.00	-4.78	13.85	3	Horizontal	12	1.12	-
5200MHz	Pass	AV	10.397G	47.21	54.00	-6.79	12.53	3	Vertical	153	1.50	-
5200MHz	Pass	AV	15.6042G	53.87	54.00	-0.13	13.82	3	Vertical	347	1.06	-
5200MHz	Pass	PK	10.4039G	64.16	74.00	-9.84	12.55	3	Vertical	153	1.50	-
5200MHz	Pass	PK	15.6054G	72.81	74.00	-1.19	13.81	3	Vertical	347	1.06	-
5245MHz	Pass	AV	5.1436G	43.43	54.00	-10.57	2.80	3	Horizontal	4	1.50	-
5245MHz	Pass	AV	5.2486G	103.23	Inf	-Inf	2.85	3	Horizontal	4	1.50	-
5245MHz	Pass	AV	5.3506G	44.23	54.00	-9.77	2.90	3	Horizontal	4	1.50	-
5245MHz	Pass	PK	5.1298G	56.05	74.00	-17.95	2.79	3	Horizontal	4	1.50	-
5245MHz	Pass	PK	5.248G	114.10	Inf	-Inf	2.85	3	Horizontal	4	1.50	-
5245MHz	Pass	PK	5.3752G	57.99	74.00	-16.01	2.92	3	Horizontal	4	1.50	-
5245MHz	Pass	AV	5.1484G	43.79	54.00	-10.21	2.80	3	Vertical	349	1.20	-
5245MHz	Pass	AV	5.2414G	103.52	Inf	-Inf	2.85	3	Vertical	349	1.20	-
5245MHz	Pass	AV	5.3938G	44.82	54.00	-9.18	2.93	3	Vertical	349	1.20	-
5245MHz	Pass	PK	5.149995G	56.08	74.00	-17.92	2.80	3	Vertical	349	1.20	-
5245MHz	Pass	PK	5.2432G	114.01	Inf	-Inf	2.85	3	Vertical	349	1.20	-
5245MHz	Pass	PK	5.3692G	57.26	74.00	-16.74	2.91	3	Vertical	349	1.20	-
5245MHz	Pass	AV	10.49G	52.61	54.00	-1.39	13.46	3	Horizontal	229	1.45	-
5245MHz	Pass	AV	15.735G	49.13	54.00	-4.87	14.08	3	Horizontal	178	1.50	-
5245MHz	Pass	PK	10.49G	68.96	74.00	-5.04	13.46	3	Horizontal	229	1.45	-
5245MHz	Pass	PK	15.735G	69.20	74.00	-4.80	14.08	3	Horizontal	178	1.50	-
5245MHz	Pass	AV	10.49G	47.83	54.00	-6.17	12.77	3	Vertical	199	1.34	-
5245MHz	Pass	AV	15.735G	53.86	54.00	-0.14	13.19	3	Vertical	153	1.13	-
5245MHz	Pass	PK	10.49G	61.93	74.00	-12.07	12.77	3	Vertical	199	1.34	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5245MHz	Pass	PK	15.735G	70.74	74.00	-3.26	13.19	3	Vertical	153	1.13	-
5735MHz	Pass	AV	5.7326G	104.76	Inf	-Inf	3.46	3	Horizontal	186	1.85	-
5735MHz	Pass	PK	5.5526G	60.46	68.20	-7.74	3.09	3	Horizontal	186	1.85	-
5735MHz	Pass	PK	5.7326G	116.53	Inf	-Inf	3.46	3	Horizontal	186	1.85	-
5735MHz	Pass	PK	5.969G	56.89	68.20	-11.31	3.95	3	Horizontal	186	1.85	-
5735MHz	Pass	AV	5.7326G	106.93	Inf	-Inf	3.46	3	Vertical	201	1.92	-
5735MHz	Pass	PK	5.4602G	60.54	68.20	-7.66	2.96	3	Vertical	201	1.92	-
5735MHz	Pass	PK	5.7314G	118.52	Inf	-Inf	3.46	3	Vertical	201	1.92	-
5735MHz	Pass	PK	5.933G	56.94	68.20	-11.26	3.88	3	Vertical	201	1.92	-
5735MHz	Pass	AV	11.46838G	47.96	54.00	-6.04	13.44	3	Horizontal	234	1.50	-
5735MHz	Pass	AV	17.20536G	53.36	54.00	-0.64	18.04	3	Horizontal	212	1.45	-
5735MHz	Pass	PK	11.46694G	62.76	74.00	-11.24	13.44	3	Horizontal	234	1.50	-
5735MHz	Pass	PK	17.2044G	68.47	74.00	-5.53	18.04	3	Horizontal	212	1.45	-
5735MHz	Pass	AV	17.20542G	53.61	54.00	-0.39	18.04	3	Vertical	147	1.34	-
5735MHz	Pass	PK	17.20266G	69.99	74.00	-4.01	18.02	3	Vertical	147	1.34	-
5790MHz	Pass	AV	5.7924G	102.14	Inf	-Inf	3.59	3	Horizontal	186	2.00	-
5790MHz	Pass	PK	5.49G	60.09	68.20	-8.11	2.97	3	Horizontal	186	2.00	-
5790MHz	Pass	PK	5.7912G	112.97	Inf	-Inf	3.59	3	Horizontal	186	2.00	-
5790MHz	Pass	PK	5.928G	57.41	68.20	-10.79	3.87	3	Horizontal	186	2.00	-
5790MHz	Pass	AV	5.7912G	104.86	Inf	-Inf	3.59	3	Vertical	189	2.09	-
5790MHz	Pass	PK	5.6256G	60.90	68.20	-7.30	3.24	3	Vertical	189	2.09	-
5790MHz	Pass	PK	5.79G	116.81	Inf	-Inf	3.59	3	Vertical	189	2.09	-
5790MHz	Pass	PK	5.9412G	57.33	68.20	-10.87	3.90	3	Vertical	189	2.09	-
5790MHz	Pass	AV	11.58288G	48.82	54.00	-5.18	13.28	3	Horizontal	125	2.01	-
5790MHz	Pass	PK	11.58276G	62.27	74.00	-11.73	13.28	3	Horizontal	125	2.01	-
5790MHz	Pass	PK	17.3706G	67.99	68.20	-0.21	19.16	3	Horizontal	349	1.49	-
5790MHz	Pass	PK	17.36712G	67.18	68.20	-1.02	19.14	3	Vertical	351	2.41	-
5840MHz	Pass	AV	5.8388G	100.07	Inf	-Inf	3.69	3	Horizontal	189	1.50	-
5840MHz	Pass	PK	5.552G	59.41	68.20	-8.79	3.09	3	Horizontal	189	1.50	-
5840MHz	Pass	PK	5.8388G	111.80	Inf	-Inf	3.69	3	Horizontal	189	1.50	-
5840MHz	Pass	PK	5.9828G	57.05	68.20	-11.15	3.98	3	Horizontal	189	1.50	-
5840MHz	Pass	AV	5.8436G	101.62	Inf	-Inf	3.70	3	Vertical	198	1.50	-
5840MHz	Pass	PK	5.5436G	59.88	68.20	-8.32	3.07	3	Vertical	198	1.50	-
5840MHz	Pass	PK	5.8436G	113.10	Inf	-Inf	3.70	3	Vertical	198	1.50	-
5840MHz	Pass	PK	5.9804G	57.18	68.20	-11.02	3.98	3	Vertical	198	1.50	-
5840MHz	Pass	AV	11.68012G	47.78	54.00	-6.22	13.15	3	Horizontal	235	1.50	-
5840MHz	Pass	AV	17.52168G	53.29	54.00	-0.71	20.19	3	Horizontal	210	1.90	-
5840MHz	Pass	PK	11.67904G	63.08	74.00	-10.92	13.15	3	Horizontal	235	1.50	-
5840MHz	Pass	PK	17.52138G	67.49	74.00	-6.51	20.18	3	Horizontal	210	1.90	-
5840MHz	Pass	AV	17.51598G	50.76	54.00	-3.24	20.15	3	Vertical	196	1.67	-
5840MHz	Pass	PK	17.5152G	64.24	74.00	-9.76	20.14	3	Vertical	196	1.67	-
802.11ac VHT20_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5165MHz	Pass	AV	5.149995G	51.89	54.00	-2.11	2.80	3	Horizontal	8	1.50	-
5165MHz	Pass	AV	5.169G	94.73	Inf	-Inf	2.81	3	Horizontal	8	1.50	-
5165MHz	Pass	PK	5.1496G	71.65	74.00	-2.35	2.80	3	Horizontal	8	1.50	-
5165MHz	Pass	PK	5.1696G	106.15	Inf	-Inf	2.81	3	Horizontal	8	1.50	-
5165MHz	Pass	AV	5.1498G	53.71	54.00	-0.29	2.80	3	Vertical	5	1.22	-
5165MHz	Pass	AV	5.1576G	94.72	Inf	-Inf	2.80	3	Vertical	5	1.22	-
5165MHz	Pass	PK	5.149995G	71.40	74.00	-2.60	2.80	3	Vertical	5	1.22	-



RSE TX above 1GHz Result

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5165MHz	Pass	PK	5.1704G	106.41	Inf	-Inf	2.81	3	Vertical	5	1.22	-
5165MHz	Pass	AV	15.495G	44.73	54.00	-9.27	14.96	3	Horizontal	151	1.01	-
5165MHz	Pass	PK	15.495G	59.34	74.00	-14.66	14.96	3	Horizontal	151	1.01	-
5165MHz	Pass	AV	15.495G	44.77	54.00	-9.23	14.96	3	Vertical	157	1.05	-
5165MHz	Pass	PK	15.495G	59.13	74.00	-14.87	14.96	3	Vertical	157	1.05	-
5200MHz	Pass	AV	5.1492G	46.48	54.00	-7.52	2.80	3	Horizontal	188	1.65	-
5200MHz	Pass	AV	5.1936G	104.11	Inf	-Inf	2.83	3	Horizontal	188	1.65	-
5200MHz	Pass	PK	5.148G	61.33	74.00	-12.67	2.80	3	Horizontal	188	1.65	-
5200MHz	Pass	PK	5.1944G	114.92	Inf	-Inf	2.83	3	Horizontal	188	1.65	-
5200MHz	Pass	AV	5.149995G	48.20	54.00	-5.80	2.80	3	Vertical	183	1.72	-
5200MHz	Pass	AV	5.2032G	105.55	Inf	-Inf	2.83	3	Vertical	183	1.72	-
5200MHz	Pass	PK	5.1492G	64.87	74.00	-9.13	2.80	3	Vertical	183	1.72	-
5200MHz	Pass	PK	5.2028G	117.06	Inf	-Inf	2.83	3	Vertical	183	1.72	-
5200MHz	Pass	AV	10.40612G	52.68	54.00	-1.32	12.55	3	Horizontal	58	1.45	-
5200MHz	Pass	AV	15.60348G	52.65	54.00	-1.35	13.82	3	Horizontal	30	1.41	-
5200MHz	Pass	PK	10.40624G	68.30	74.00	-5.70	12.55	3	Horizontal	58	1.45	-
5200MHz	Pass	PK	15.60552G	68.27	74.00	-5.73	13.81	3	Horizontal	30	1.41	-
5200MHz	Pass	AV	10.40732G	47.42	54.00	-6.58	12.56	3	Vertical	148	1.49	-
5200MHz	Pass	AV	15.60024G	53.40	54.00	-0.60	13.84	3	Vertical	349	1.02	-
5200MHz	Pass	PK	10.40948G	61.98	74.00	-12.02	12.56	3	Vertical	148	1.49	-
5200MHz	Pass	PK	15.59712G	67.07	74.00	-6.93	13.85	3	Vertical	349	1.02	-
5240MHz	Pass	AV	5.149995G	43.90	54.00	-10.10	2.97	3	Horizontal	1	1.50	-
5240MHz	Pass	AV	5.2364G	100.38	Inf	-Inf	3.16	3	Horizontal	1	1.50	-
5240MHz	Pass	AV	5.3564G	45.08	54.00	-8.92	3.41	3	Horizontal	1	1.50	-
5240MHz	Pass	PK	5.1392G	56.71	74.00	-17.29	2.95	3	Horizontal	1	1.50	-
5240MHz	Pass	PK	5.237G	111.00	Inf	-Inf	3.16	3	Horizontal	1	1.50	-
5240MHz	Pass	PK	5.384G	57.99	74.00	-16.01	3.47	3	Horizontal	1	1.50	-
5240MHz	Pass	AV	5.1494G	44.00	54.00	-10.00	2.97	3	Vertical	351	1.02	-
5240MHz	Pass	AV	5.2436G	101.14	Inf	-Inf	3.17	3	Vertical	351	1.02	-
5240MHz	Pass	AV	5.3666G	45.51	54.00	-8.49	3.44	3	Vertical	351	1.02	-
5240MHz	Pass	PK	5.1062G	58.31	74.00	-15.69	2.87	3	Vertical	351	1.02	-
5240MHz	Pass	PK	5.243G	112.04	Inf	-Inf	3.17	3	Vertical	351	1.02	-
5240MHz	Pass	PK	5.372G	58.45	74.00	-15.55	3.45	3	Vertical	351	1.02	-
5240MHz	Pass	AV	10.48G	52.32	54.00	-1.68	13.44	3	Horizontal	227	1.50	-
5240MHz	Pass	AV	15.72G	51.18	54.00	-2.82	14.13	3	Horizontal	177	1.56	-
5240MHz	Pass	PK	10.48G	68.32	74.00	-5.68	13.44	3	Horizontal	227	1.50	-
5240MHz	Pass	PK	15.72G	67.53	74.00	-6.47	14.13	3	Horizontal	177	1.56	-
5240MHz	Pass	AV	10.48G	47.47	54.00	-6.53	13.44	3	Vertical	187	1.37	-
5240MHz	Pass	AV	15.72G	53.58	54.00	-0.42	14.13	3	Vertical	153	1.16	-
5240MHz	Pass	PK	10.48G	61.87	74.00	-12.13	13.44	3	Vertical	187	1.37	-
5240MHz	Pass	PK	15.72G	69.04	74.00	-4.96	14.13	3	Vertical	153	1.16	-
5740MHz	Pass	AV	5.734G	102.88	Inf	-Inf	3.46	3	Horizontal	186	1.88	-
5740MHz	Pass	PK	5.482G	61.03	68.20	-7.17	2.97	3	Horizontal	186	1.88	-
5740MHz	Pass	PK	5.734G	113.82	Inf	-Inf	3.46	3	Horizontal	186	1.88	-
5740MHz	Pass	PK	5.9536G	57.16	68.20	-11.04	3.92	3	Horizontal	186	1.88	-
5740MHz	Pass	AV	5.734G	103.98	Inf	-Inf	3.46	3	Vertical	199	1.65	-
5740MHz	Pass	PK	5.4664G	61.10	68.20	-7.10	2.96	3	Vertical	199	1.65	-
5740MHz	Pass	PK	5.7364G	115.02	Inf	-Inf	3.47	3	Vertical	199	1.65	-
5740MHz	Pass	PK	5.9632G	57.38	68.20	-10.82	3.94	3	Vertical	199	1.65	-



RSE TX above 1GHz Result

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5740MHz	Pass	AV	11.47484G	47.16	54.00	-6.84	13.43	3	Horizontal	234	1.50	-
5740MHz	Pass	AV	17.22066G	53.87	54.00	-0.13	18.15	3	Horizontal	210	1.64	-
5740MHz	Pass	PK	11.47556G	61.04	74.00	-12.96	13.43	3	Horizontal	234	1.50	-
5740MHz	Pass	PK	17.2218G	67.56	74.00	-6.44	18.15	3	Horizontal	210	1.64	-
5740MHz	Pass	AV	11.4839G	43.38	54.00	-10.62	13.42	3	Vertical	356	2.44	-
5740MHz	Pass	PK	11.48528G	57.00	74.00	-17.00	13.42	3	Vertical	356	2.44	-
5790MHz	Pass	AV	5.784G	101.59	Inf	-Inf	3.57	3	Horizontal	196	2.20	-
5790MHz	Pass	PK	5.5896G	60.13	68.20	-8.07	3.17	3	Horizontal	196	2.20	-
5790MHz	Pass	PK	5.784G	111.37	Inf	-Inf	3.57	3	Horizontal	196	2.20	-
5790MHz	Pass	PK	5.9328G	57.20	68.20	-11.00	3.88	3	Horizontal	196	2.20	-
5790MHz	Pass	AV	5.7912G	103.51	Inf	-Inf	3.59	3	Vertical	189	1.99	-
5790MHz	Pass	PK	5.5476G	59.66	68.20	-8.54	3.08	3	Vertical	189	1.99	-
5790MHz	Pass	PK	5.7852G	113.28	Inf	-Inf	3.58	3	Vertical	189	1.99	-
5790MHz	Pass	PK	5.9736G	57.58	68.20	-10.62	3.96	3	Vertical	189	1.99	-
5790MHz	Pass	AV	11.58162G	48.42	54.00	-5.58	13.28	3	Horizontal	314	1.49	-
5790MHz	Pass	PK	11.58378G	61.86	74.00	-12.14	13.28	3	Horizontal	314	1.49	-
5790MHz	Pass	PK	17.37G	67.95	68.20	-0.25	19.16	3	Horizontal	346	1.47	-
5790MHz	Pass	PK	17.373G	67.56	68.20	-0.64	19.18	3	Vertical	347	2.49	-
5835MHz	Pass	AV	5.829G	100.25	Inf	-Inf	3.67	3	Horizontal	200	1.85	-
5835MHz	Pass	PK	5.583G	60.52	68.20	-7.68	3.15	3	Horizontal	200	1.85	-
5835MHz	Pass	PK	5.829G	111.16	Inf	-Inf	3.67	3	Horizontal	200	1.85	-
5835MHz	Pass	PK	5.9394G	57.30	68.20	-10.90	3.89	3	Horizontal	200	1.85	-
5835MHz	Pass	AV	5.8314G	98.85	Inf	-Inf	3.67	3	Vertical	202	1.50	-
5835MHz	Pass	PK	5.5566G	59.22	68.20	-8.98	3.10	3	Vertical	202	1.50	-
5835MHz	Pass	PK	5.8302G	110.03	Inf	-Inf	3.67	3	Vertical	202	1.50	-
5835MHz	Pass	PK	5.9454G	57.48	68.20	-10.72	3.91	3	Vertical	202	1.50	-
5835MHz	Pass	AV	11.67138G	48.04	54.00	-5.96	13.16	3	Horizontal	123	1.94	-
5835MHz	Pass	AV	17.5014G	53.58	54.00	-0.42	20.05	3	Horizontal	211	1.50	-
5835MHz	Pass	PK	11.67102G	61.73	74.00	-12.27	13.16	3	Horizontal	123	1.94	-
5835MHz	Pass	PK	17.50158G	67.96	74.00	-6.04	20.05	3	Horizontal	211	1.50	-
5835MHz	Pass	AV	17.50338G	51.50	54.00	-2.50	20.06	3	Vertical	197	1.48	-
5835MHz	Pass	PK	17.50332G	64.67	74.00	-9.33	20.06	3	Vertical	197	1.48	-
802.11ac VHT30_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5170MHz	Pass	AV	5.1498G	53.76	54.00	-0.24	2.80	3	Horizontal	14	1.76	-
5170MHz	Pass	AV	5.1818G	90.57	Inf	-Inf	2.82	3	Horizontal	14	1.76	-
5170MHz	Pass	PK	5.149995G	71.01	74.00	-2.99	2.80	3	Horizontal	14	1.76	-
5170MHz	Pass	PK	5.1802G	101.94	Inf	-Inf	2.82	3	Horizontal	14	1.76	-
5170MHz	Pass	AV	5.149995G	53.87	54.00	-0.13	2.80	3	Vertical	0	1.30	-
5170MHz	Pass	AV	5.1588G	90.74	Inf	-Inf	2.81	3	Vertical	0	1.30	-
5170MHz	Pass	PK	5.149995G	71.89	74.00	-2.11	2.80	3	Vertical	0	1.30	-
5170MHz	Pass	PK	5.1814G	102.45	Inf	-Inf	2.82	3	Vertical	0	1.30	-
5170MHz	Pass	AV	15.51G	44.37	54.00	-9.63	14.90	3	Horizontal	9	1.50	-
5170MHz	Pass	PK	15.51G	58.92	74.00	-15.08	14.90	3	Horizontal	9	1.50	-
5170MHz	Pass	AV	15.51G	44.43	54.00	-9.57	14.90	3	Vertical	360	1.50	-
5170MHz	Pass	PK	15.51G	58.51	74.00	-15.49	14.90	3	Vertical	360	1.50	-
5200MHz	Pass	AV	5.1496G	47.78	54.00	-6.22	2.80	3	Horizontal	189	1.68	-
5200MHz	Pass	AV	5.208G	100.11	Inf	-Inf	2.83	3	Horizontal	189	1.68	-
5200MHz	Pass	PK	5.149995G	63.56	74.00	-10.44	2.80	3	Horizontal	189	1.68	-
5200MHz	Pass	PK	5.2056G	112.25	Inf	-Inf	2.83	3	Horizontal	189	1.68	-



RSE TX above 1GHz Result

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5200MHz	Pass	AV	5.149995G	53.50	54.00	-0.50	2.80	3	Vertical	187	1.90	-
5200MHz	Pass	AV	5.2112G	101.10	Inf	-Inf	2.83	3	Vertical	187	1.90	-
5200MHz	Pass	PK	5.149995G	71.66	74.00	-2.34	2.80	3	Vertical	187	1.90	-
5200MHz	Pass	PK	5.2116G	113.00	Inf	-Inf	2.83	3	Vertical	187	1.90	-
5200MHz	Pass	AV	10.40048G	47.57	54.00	-6.43	12.54	3	Horizontal	317	1.37	-
5200MHz	Pass	AV	15.5964G	46.56	54.00	-7.44	13.86	3	Horizontal	308	1.46	-
5200MHz	Pass	PK	10.40132G	61.48	74.00	-12.52	12.54	3	Horizontal	317	1.37	-
5200MHz	Pass	PK	15.60312G	59.81	74.00	-14.19	13.82	3	Horizontal	308	1.46	-
5200MHz	Pass	AV	15.61404G	47.79	54.00	-6.21	13.77	3	Vertical	345	1.13	-
5200MHz	Pass	PK	15.6168G	61.47	74.00	-12.53	13.76	3	Vertical	345	1.13	-
5235MHz	Pass	AV	5.149995G	44.49	54.00	-9.51	2.97	3	Horizontal	3	1.50	-
5235MHz	Pass	AV	5.2314G	99.51	Inf	-Inf	3.15	3	Horizontal	3	1.50	-
5235MHz	Pass	AV	5.3508G	45.47	54.00	-8.53	3.40	3	Horizontal	3	1.50	-
5235MHz	Pass	PK	5.1186G	57.00	74.00	-17.00	2.90	3	Horizontal	3	1.50	-
5235MHz	Pass	PK	5.2302G	111.46	Inf	-Inf	3.14	3	Horizontal	3	1.50	-
5235MHz	Pass	PK	5.3712G	57.91	74.00	-16.09	3.45	3	Horizontal	3	1.50	-
5235MHz	Pass	AV	5.149995G	45.56	54.00	-8.44	2.97	3	Vertical	355	1.13	-
5235MHz	Pass	AV	5.2428G	100.11	Inf	-Inf	3.17	3	Vertical	355	1.13	-
5235MHz	Pass	AV	5.3628G	45.87	54.00	-8.13	3.43	3	Vertical	355	1.13	-
5235MHz	Pass	PK	5.1486G	59.30	74.00	-14.70	2.97	3	Vertical	355	1.13	-
5235MHz	Pass	PK	5.244G	112.42	Inf	-Inf	3.17	3	Vertical	355	1.13	-
5235MHz	Pass	PK	5.3832G	58.54	74.00	-15.46	3.47	3	Vertical	355	1.13	-
5235MHz	Pass	AV	10.47G	51.37	54.00	-2.63	13.41	3	Horizontal	229	1.50	-
5235MHz	Pass	AV	15.705G	53.20	54.00	-0.80	14.19	3	Horizontal	174	1.18	-
5235MHz	Pass	PK	10.47G	66.52	74.00	-7.48	13.41	3	Horizontal	229	1.50	-
5235MHz	Pass	PK	15.705G	69.27	74.00	-4.73	14.19	3	Horizontal	174	1.18	-
5235MHz	Pass	AV	10.47G	46.55	54.00	-7.45	13.41	3	Vertical	186	1.49	-
5235MHz	Pass	AV	15.705G	53.82	54.00	-0.18	14.19	3	Vertical	154	1.15	-
5235MHz	Pass	PK	10.47G	61.15	74.00	-12.85	13.41	3	Vertical	186	1.49	-
5235MHz	Pass	PK	15.705G	70.01	74.00	-3.99	14.19	3	Vertical	154	1.15	-
5745MHz	Pass	AV	5.7366G	100.65	Inf	-Inf	3.47	3	Horizontal	182	1.82	-
5745MHz	Pass	PK	5.5806G	60.98	68.20	-7.22	3.15	3	Horizontal	182	1.82	-
5745MHz	Pass	PK	5.739G	112.26	Inf	-Inf	3.48	3	Horizontal	182	1.82	-
5745MHz	Pass	PK	5.967G	56.89	68.20	-11.31	3.95	3	Horizontal	182	1.82	-
5745MHz	Pass	AV	5.7414G	101.23	Inf	-Inf	3.48	3	Vertical	193	1.65	-
5745MHz	Pass	PK	5.4666G	61.28	68.20	-6.92	2.96	3	Vertical	193	1.65	-
5745MHz	Pass	PK	5.7426G	113.67	Inf	-Inf	3.48	3	Vertical	193	1.65	-
5745MHz	Pass	PK	5.9754G	57.33	68.20	-10.87	3.97	3	Vertical	193	1.65	-
5745MHz	Pass	AV	11.47944G	45.58	54.00	-8.42	13.42	3	Horizontal	236	1.50	-
5745MHz	Pass	AV	17.2359G	53.61	54.00	-0.39	18.25	3	Horizontal	212	1.50	-
5745MHz	Pass	PK	11.48808G	59.76	74.00	-14.24	13.41	3	Horizontal	236	1.50	-
5745MHz	Pass	PK	17.23596G	67.60	74.00	-6.40	18.25	3	Horizontal	212	1.50	-
5745MHz	Pass	AV	17.23506G	53.82	54.00	-0.18	18.24	3	Vertical	147	1.31	-
5745MHz	Pass	PK	17.24004G	68.36	74.00	-5.64	18.28	3	Vertical	147	1.31	-
5790MHz	Pass	AV	5.7816G	100.78	Inf	-Inf	3.57	3	Horizontal	195	1.95	-
5790MHz	Pass	PK	5.5704G	60.15	68.20	-8.05	3.13	3	Horizontal	195	1.95	-
5790MHz	Pass	PK	5.7804G	110.14	Inf	-Inf	3.57	3	Horizontal	195	1.95	-
5790MHz	Pass	PK	5.934G	57.78	68.20	-10.42	3.88	3	Horizontal	195	1.95	-
5790MHz	Pass	AV	5.7948G	102.66	Inf	-Inf	3.60	3	Vertical	192	2.17	-



RSE TX above 1GHz Result

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5790MHz	Pass	PK	5.5584G	59.77	68.20	-8.43	3.10	3	Vertical	192	2.17	-
5790MHz	Pass	PK	5.7972G	112.58	Inf	-Inf	3.60	3	Vertical	192	2.17	-
5790MHz	Pass	PK	5.9472G	57.01	68.20	-11.19	3.91	3	Vertical	192	2.17	-
5790MHz	Pass	AV	11.58474G	46.87	54.00	-7.13	13.28	3	Horizontal	314	1.50	-
5790MHz	Pass	PK	11.58426G	61.31	74.00	-12.69	13.28	3	Horizontal	314	1.50	-
5790MHz	Pass	PK	17.37456G	68.07	68.20	-0.13	19.19	3	Horizontal	347	1.50	-
5790MHz	Pass	PK	17.37324G	66.66	68.20	-1.54	19.18	3	Vertical	30	1.21	-
5830MHz	Pass	AV	5.8216G	98.62	Inf	-Inf	3.65	3	Horizontal	189	1.91	-
5830MHz	Pass	PK	5.5984G	60.99	68.20	-7.21	3.19	3	Horizontal	189	1.91	-
5830MHz	Pass	PK	5.8228G	110.62	Inf	-Inf	3.66	3	Horizontal	189	1.91	-
5830MHz	Pass	PK	5.95G	56.74	68.20	-11.46	3.91	3	Horizontal	189	1.91	-
5830MHz	Pass	AV	5.8204G	97.84	Inf	-Inf	3.65	3	Vertical	194	1.56	-
5830MHz	Pass	PK	5.5996G	59.48	68.20	-8.72	3.19	3	Vertical	194	1.56	-
5830MHz	Pass	PK	5.818G	109.61	Inf	-Inf	3.65	3	Vertical	194	1.56	-
5830MHz	Pass	PK	5.956G	56.54	68.20	-11.66	3.93	3	Vertical	194	1.56	-
5830MHz	Pass	AV	11.66996G	46.28	54.00	-7.72	13.16	3	Horizontal	234	1.50	-
5830MHz	Pass	AV	17.48724G	53.87	54.00	-0.13	19.95	3	Horizontal	204	1.49	-
5830MHz	Pass	PK	11.67464G	61.34	74.00	-12.66	13.16	3	Horizontal	234	1.50	-
5830MHz	Pass	PK	17.48976G	67.32	74.00	-6.68	19.97	3	Horizontal	204	1.49	-
5830MHz	Pass	AV	17.49342G	51.56	54.00	-2.44	20.00	3	Vertical	194	1.75	-
5830MHz	Pass	PK	17.49426G	64.92	74.00	-9.08	20.00	3	Vertical	194	1.75	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5175MHz	Pass	AV	5.149995G	53.74	54.00	-0.26	2.80	3	Horizontal	7	1.48	-
5175MHz	Pass	AV	5.1898G	91.07	Inf	-Inf	2.82	3	Horizontal	7	1.48	-
5175MHz	Pass	PK	5.149995G	69.35	74.00	-4.65	2.80	3	Horizontal	7	1.48	-
5175MHz	Pass	PK	5.1894G	101.49	Inf	-Inf	2.82	3	Horizontal	7	1.48	-
5175MHz	Pass	AV	5.149995G	53.47	54.00	-0.53	2.80	3	Vertical	7	1.50	-
5175MHz	Pass	AV	5.1782G	90.70	Inf	-Inf	2.82	3	Vertical	7	1.50	-
5175MHz	Pass	PK	5.1494G	69.89	74.00	-4.11	2.80	3	Vertical	7	1.50	-
5175MHz	Pass	PK	5.179G	101.23	Inf	-Inf	2.82	3	Vertical	7	1.50	-
5175MHz	Pass	AV	15.51138G	45.19	54.00	-8.81	14.26	3	Horizontal	172	1.49	-
5175MHz	Pass	PK	15.51354G	57.82	74.00	-16.18	14.25	3	Horizontal	172	1.49	-
5175MHz	Pass	AV	15.51012G	45.27	54.00	-8.73	14.27	3	Vertical	24	1.08	-
5175MHz	Pass	PK	15.52608G	58.69	74.00	-15.31	14.19	3	Vertical	24	1.08	-
5200MHz	Pass	AV	5.1492G	44.82	54.00	-9.18	2.80	3	Horizontal	188	1.67	-
5200MHz	Pass	AV	5.2048G	95.20	Inf	-Inf	2.83	3	Horizontal	188	1.67	-
5200MHz	Pass	PK	5.149995G	58.68	74.00	-15.32	2.80	3	Horizontal	188	1.67	-
5200MHz	Pass	PK	5.204G	108.65	Inf	-Inf	2.83	3	Horizontal	188	1.67	-
5200MHz	Pass	AV	5.149995G	53.38	54.00	-0.62	2.80	3	Vertical	189	1.88	-
5200MHz	Pass	AV	5.2108G	96.76	Inf	-Inf	2.83	3	Vertical	189	1.88	-
5200MHz	Pass	PK	5.149995G	69.35	74.00	-4.65	2.80	3	Vertical	189	1.88	-
5200MHz	Pass	PK	5.2112G	110.16	Inf	-Inf	2.83	3	Vertical	189	1.88	-
5200MHz	Pass	AV	15.59604G	46.51	54.00	-7.49	13.86	3	Horizontal	93	1.56	-
5200MHz	Pass	PK	15.59772G	61.14	74.00	-12.86	13.85	3	Horizontal	93	1.56	-
5200MHz	Pass	AV	15.60108G	46.78	54.00	-7.22	13.83	3	Vertical	23	1.09	-
5200MHz	Pass	PK	15.60348G	59.90	74.00	-14.10	13.82	3	Vertical	23	1.09	-
5230MHz	Pass	AV	5.149995G	46.58	54.00	-7.42	2.80	3	Horizontal	12	1.50	-
5230MHz	Pass	AV	5.2396G	103.07	Inf	-Inf	2.85	3	Horizontal	12	1.50	-
5230MHz	Pass	PK	5.149995G	59.72	74.00	-14.28	2.80	3	Horizontal	12	1.50	-



RSE TX above 1GHz Result

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5230MHz	Pass	PK	5.2188G	112.84	Inf	-Inf	2.84	3	Horizontal	12	1.50	-
5230MHz	Pass	AV	5.149995G	53.60	54.00	-0.40	2.80	3	Vertical	0	1.49	-
5230MHz	Pass	AV	5.2208G	103.34	Inf	-Inf	2.84	3	Vertical	0	1.49	-
5230MHz	Pass	PK	5.1484G	67.41	74.00	-6.59	2.80	3	Vertical	0	1.49	-
5230MHz	Pass	PK	5.2408G	114.40	Inf	-Inf	2.85	3	Vertical	0	1.49	-
5230MHz	Pass	AV	10.46492G	53.06	54.00	-0.94	12.70	3	Horizontal	235	1.50	-
5230MHz	Pass	AV	15.68712G	47.38	54.00	-6.62	13.42	3	Horizontal	161	1.57	-
5230MHz	Pass	PK	10.46492G	67.28	74.00	-6.72	12.70	3	Horizontal	235	1.50	-
5230MHz	Pass	PK	15.7068G	60.87	74.00	-13.13	13.33	3	Horizontal	161	1.57	-
5230MHz	Pass	AV	10.46024G	47.27	54.00	-6.73	12.69	3	Vertical	202	1.47	-
5230MHz	Pass	AV	15.69732G	49.95	54.00	-4.05	13.37	3	Vertical	169	1.41	-
5230MHz	Pass	PK	10.46012G	60.21	74.00	-13.79	12.69	3	Vertical	202	1.47	-
5230MHz	Pass	PK	15.69444G	63.75	74.00	-10.25	13.39	3	Vertical	169	1.41	-
5750MHz	Pass	AV	5.744G	98.60	Inf	-Inf	3.49	3	Horizontal	170	1.71	-
5750MHz	Pass	PK	5.6012G	58.10	68.20	-10.10	3.19	3	Horizontal	170	1.71	-
5750MHz	Pass	PK	5.7464G	112.14	Inf	-Inf	3.49	3	Horizontal	170	1.71	-
5750MHz	Pass	PK	5.9324G	56.39	68.20	-11.81	3.88	3	Horizontal	170	1.71	-
5750MHz	Pass	AV	5.7404G	98.64	Inf	-Inf	3.48	3	Vertical	192	1.54	-
5750MHz	Pass	PK	5.48G	61.51	68.20	-6.69	2.97	3	Vertical	192	1.54	-
5750MHz	Pass	PK	5.7404G	112.39	Inf	-Inf	3.48	3	Vertical	192	1.54	-
5750MHz	Pass	PK	5.984G	57.20	68.20	-11.00	3.99	3	Vertical	192	1.54	-
5750MHz	Pass	AV	11.49274G	47.00	54.00	-7.00	13.40	3	Horizontal	234	1.49	-
5750MHz	Pass	AV	17.25084G	53.86	54.00	-0.14	18.35	3	Horizontal	204	1.49	-
5750MHz	Pass	PK	11.48926G	59.64	74.00	-14.36	13.41	3	Horizontal	234	1.49	-
5750MHz	Pass	PK	17.25216G	66.07	74.00	-7.93	18.36	3	Horizontal	204	1.49	-
5750MHz	Pass	AV	17.25336G	53.80	54.00	-0.20	18.37	3	Vertical	145	1.28	-
5750MHz	Pass	PK	17.2518G	68.18	74.00	-5.82	18.36	3	Vertical	145	1.28	-
5790MHz	Pass	AV	5.784G	100.56	Inf	-Inf	3.57	3	Horizontal	177	2.10	-
5790MHz	Pass	PK	5.5548G	58.96	68.20	-9.24	3.10	3	Horizontal	177	2.10	-
5790MHz	Pass	PK	5.7864G	110.11	Inf	-Inf	3.58	3	Horizontal	177	2.10	-
5790MHz	Pass	PK	5.9604G	57.31	68.20	-10.89	3.94	3	Horizontal	177	2.10	-
5790MHz	Pass	AV	5.7828G	102.15	Inf	-Inf	3.57	3	Vertical	186	1.99	-
5790MHz	Pass	PK	5.4924G	60.25	68.20	-7.95	2.98	3	Vertical	186	1.99	-
5790MHz	Pass	PK	5.7984G	111.89	Inf	-Inf	3.61	3	Vertical	186	1.99	-
5790MHz	Pass	PK	5.946G	57.41	68.20	-10.79	3.91	3	Vertical	186	1.99	-
5790MHz	Pass	AV	11.58624G	44.75	54.00	-9.25	13.28	3	Horizontal	129	1.50	-
5790MHz	Pass	PK	11.5674G	57.81	74.00	-16.19	13.30	3	Horizontal	129	1.50	-
5790MHz	Pass	PK	17.34444G	67.71	68.20	-0.49	18.99	3	Horizontal	347	1.50	-
5790MHz	Pass	PK	17.35812G	66.06	68.20	-2.14	19.08	3	Vertical	49	1.32	-
5825MHz	Pass	AV	5.8118G	96.09	Inf	-Inf	3.63	3	Horizontal	171	1.71	-
5825MHz	Pass	PK	5.5946G	59.17	68.20	-9.03	3.18	3	Horizontal	171	1.71	-
5825MHz	Pass	PK	5.8106G	109.67	Inf	-Inf	3.63	3	Horizontal	171	1.71	-
5825MHz	Pass	PK	5.9318G	56.85	68.20	-11.35	3.88	3	Horizontal	171	1.71	-
5825MHz	Pass	AV	5.8274G	100.65	Inf	-Inf	3.66	3	Vertical	189	1.70	-
5825MHz	Pass	PK	5.5994G	60.63	68.20	-7.57	3.19	3	Vertical	189	1.70	-
5825MHz	Pass	PK	5.8262G	111.30	Inf	-Inf	3.66	3	Vertical	189	1.70	-
5825MHz	Pass	PK	5.9654G	57.60	68.20	-10.60	3.95	3	Vertical	189	1.70	-
5825MHz	Pass	AV	11.64052G	47.11	54.00	-6.89	13.20	3	Horizontal	232	1.50	-
5825MHz	Pass	AV	17.4729G	53.83	54.00	-0.17	19.86	3	Horizontal	202	1.49	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	PK	11.64148G	59.43	74.00	-14.57	13.20	3	Horizontal	232	1.50	-
5825MHz	Pass	PK	17.47578G	65.53	74.00	-8.47	19.88	3	Horizontal	202	1.49	-
5825MHz	Pass	AV	17.46972G	52.71	54.00	-1.29	19.83	3	Vertical	141	1.27	-
5825MHz	Pass	PK	17.4609G	65.41	74.00	-8.59	19.77	3	Vertical	141	1.27	-
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	53.80	54.00	-0.20	2.80	3	Horizontal	9	1.47	-
5180MHz	Pass	AV	5.1988G	90.16	Inf	-Inf	2.83	3	Horizontal	9	1.47	-
5180MHz	Pass	PK	5.149995G	68.30	74.00	-5.70	2.80	3	Horizontal	9	1.47	-
5180MHz	Pass	PK	5.1976G	99.55	Inf	-Inf	2.83	3	Horizontal	9	1.47	-
5180MHz	Pass	AV	5.149995G	53.87	54.00	-0.13	2.80	3	Vertical	3	1.50	-
5180MHz	Pass	AV	5.1828G	90.18	Inf	-Inf	2.82	3	Vertical	3	1.50	-
5180MHz	Pass	PK	5.149995G	68.63	74.00	-5.37	2.80	3	Vertical	3	1.50	-
5180MHz	Pass	PK	5.184G	99.41	Inf	-Inf	2.82	3	Vertical	3	1.50	-
5180MHz	Pass	AV	15.53544G	45.56	54.00	-8.44	14.15	3	Horizontal	104	2.08	-
5180MHz	Pass	PK	15.55152G	57.74	74.00	-16.26	14.07	3	Horizontal	104	2.08	-
5180MHz	Pass	AV	15.52854G	45.72	54.00	-8.28	14.18	3	Vertical	48	1.55	-
5180MHz	Pass	PK	15.53052G	57.91	74.00	-16.09	14.17	3	Vertical	48	1.55	-
5200MHz	Pass	AV	5.1484G	45.94	54.00	-8.06	2.80	3	Horizontal	184	1.64	-
5200MHz	Pass	AV	5.2156G	91.07	Inf	-Inf	2.84	3	Horizontal	184	1.64	-
5200MHz	Pass	PK	5.148G	59.30	74.00	-14.70	2.80	3	Horizontal	184	1.64	-
5200MHz	Pass	PK	5.2164G	105.05	Inf	-Inf	2.84	3	Horizontal	184	1.64	-
5200MHz	Pass	AV	5.149995G	53.51	54.00	-0.49	2.80	3	Vertical	188	1.91	-
5200MHz	Pass	AV	5.2024G	91.43	Inf	-Inf	2.83	3	Vertical	188	1.91	-
5200MHz	Pass	PK	5.1492G	68.97	74.00	-5.03	2.80	3	Vertical	188	1.91	-
5200MHz	Pass	PK	5.1984G	105.26	Inf	-Inf	2.83	3	Vertical	188	1.91	-
5200MHz	Pass	AV	15.58032G	45.89	54.00	-8.11	13.93	3	Horizontal	111	1.61	-
5200MHz	Pass	PK	15.59532G	59.22	74.00	-14.78	13.86	3	Horizontal	111	1.61	-
5200MHz	Pass	AV	15.57024G	45.93	54.00	-8.07	13.98	3	Vertical	0	1.13	-
5200MHz	Pass	PK	15.59736G	59.86	74.00	-14.14	13.85	3	Vertical	0	1.13	-
5225MHz	Pass	AV	5.149995G	46.30	54.00	-7.70	2.80	3	Horizontal	4	1.71	-
5225MHz	Pass	AV	5.243G	99.84	Inf	-Inf	2.85	3	Horizontal	4	1.71	-
5225MHz	Pass	PK	5.1458G	58.67	74.00	-15.33	2.80	3	Horizontal	4	1.71	-
5225MHz	Pass	PK	5.2422G	109.26	Inf	-Inf	2.85	3	Horizontal	4	1.71	-
5225MHz	Pass	AV	5.1486G	53.42	54.00	-0.58	2.80	3	Vertical	3	1.49	-
5225MHz	Pass	AV	5.2298G	100.55	Inf	-Inf	2.84	3	Vertical	3	1.49	-
5225MHz	Pass	PK	5.149995G	68.62	74.00	-5.38	2.80	3	Vertical	3	1.49	-
5225MHz	Pass	PK	5.2318G	110.13	Inf	-Inf	2.84	3	Vertical	3	1.49	-
5225MHz	Pass	AV	10.45492G	48.04	54.00	-5.96	12.68	3	Horizontal	234	1.50	-
5225MHz	Pass	AV	15.68016G	45.30	54.00	-8.70	13.46	3	Horizontal	337	1.50	-
5225MHz	Pass	PK	10.45564G	60.70	74.00	-13.30	12.68	3	Horizontal	234	1.50	-
5225MHz	Pass	PK	15.68304G	57.18	74.00	-16.82	13.44	3	Horizontal	337	1.50	-
5225MHz	Pass	AV	10.45096G	47.33	54.00	-6.67	12.67	3	Vertical	198	1.49	-
5225MHz	Pass	AV	15.67824G	46.56	54.00	-7.44	13.46	3	Vertical	159	1.45	-
5225MHz	Pass	PK	10.45108G	60.09	74.00	-13.91	12.67	3	Vertical	198	1.49	-
5225MHz	Pass	PK	15.67536G	59.16	74.00	-14.84	13.48	3	Vertical	159	1.45	-
5755MHz	Pass	AV	5.7382G	96.86	Inf	-Inf	3.47	3	Horizontal	170	1.71	-
5755MHz	Pass	PK	5.6386G	58.87	68.20	-9.33	3.27	3	Horizontal	170	1.71	-
5755MHz	Pass	PK	5.7394G	111.02	Inf	-Inf	3.48	3	Horizontal	170	1.71	-
5755MHz	Pass	PK	5.9686G	56.18	68.20	-12.02	3.95	3	Horizontal	170	1.71	-



RSE TX above 1GHz Result

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5755MHz	Pass	AV	5.7358G	98.19	Inf	-Inf	3.47	3	Vertical	192	1.66	-
5755MHz	Pass	PK	5.6446G	63.62	68.20	-4.58	3.28	3	Vertical	192	1.66	-
5755MHz	Pass	PK	5.7382G	112.22	Inf	-Inf	3.47	3	Vertical	192	1.66	-
5755MHz	Pass	PK	5.935G	57.09	68.20	-11.11	3.88	3	Vertical	192	1.66	-
5755MHz	Pass	AV	11.50088G	45.71	54.00	-8.29	13.39	3	Horizontal	233	1.50	-
5755MHz	Pass	AV	17.26278G	53.55	54.00	-0.45	18.43	3	Horizontal	204	1.53	-
5755MHz	Pass	PK	11.50844G	58.43	74.00	-15.57	13.38	3	Horizontal	233	1.50	-
5755MHz	Pass	PK	17.2662G	66.15	74.00	-7.85	18.45	3	Horizontal	204	1.53	-
5755MHz	Pass	AV	17.26746G	53.20	54.00	-0.80	18.46	3	Vertical	143	1.40	-
5755MHz	Pass	PK	17.26836G	67.65	74.00	-6.35	18.47	3	Vertical	143	1.40	-
5790MHz	Pass	AV	5.7996G	99.52	Inf	-Inf	3.61	3	Horizontal	174	1.89	-
5790MHz	Pass	PK	5.5524G	58.75	68.20	-9.45	3.09	3	Horizontal	174	1.89	-
5790MHz	Pass	PK	5.7804G	109.55	Inf	-Inf	3.57	3	Horizontal	174	1.89	-
5790MHz	Pass	PK	5.9688G	56.68	68.20	-11.52	3.95	3	Horizontal	174	1.89	-
5790MHz	Pass	AV	5.7792G	102.02	Inf	-Inf	3.56	3	Vertical	189	2.17	-
5790MHz	Pass	PK	5.6172G	59.93	68.20	-8.27	3.22	3	Vertical	189	2.17	-
5790MHz	Pass	PK	5.7792G	111.50	Inf	-Inf	3.56	3	Vertical	189	2.17	-
5790MHz	Pass	PK	5.9316G	58.14	68.20	-10.06	3.88	3	Vertical	189	2.17	-
5790MHz	Pass	AV	11.5878G	44.89	54.00	-9.11	13.27	3	Horizontal	68	1.56	-
5790MHz	Pass	PK	11.58174G	59.04	74.00	-14.96	13.28	3	Horizontal	68	1.56	-
5790MHz	Pass	PK	17.36076G	68.10	68.20	-0.10	19.10	3	Horizontal	347	1.50	-
5790MHz	Pass	PK	17.3484G	66.84	68.20	-1.36	19.01	3	Vertical	34	1.21	-
5820MHz	Pass	AV	5.8032G	94.70	Inf	-Inf	3.62	3	Horizontal	199	2.01	-
5820MHz	Pass	PK	5.5452G	60.43	68.20	-7.77	3.07	3	Horizontal	199	2.01	-
5820MHz	Pass	PK	5.8008G	108.53	Inf	-Inf	3.61	3	Horizontal	199	2.01	-
5820MHz	Pass	PK	5.9268G	57.16	68.20	-11.04	3.87	3	Horizontal	199	2.01	-
5820MHz	Pass	AV	5.8092G	96.81	Inf	-Inf	3.63	3	Vertical	190	1.89	-
5820MHz	Pass	PK	5.6076G	60.14	68.20	-8.06	3.21	3	Vertical	190	1.89	-
5820MHz	Pass	PK	5.8068G	111.38	Inf	-Inf	3.62	3	Vertical	190	1.89	-
5820MHz	Pass	PK	5.928G	57.34	68.20	-10.86	3.87	3	Vertical	190	1.89	-
5820MHz	Pass	AV	11.65026G	47.10	54.00	-6.90	13.19	3	Horizontal	233	1.50	-
5820MHz	Pass	AV	17.46804G	53.53	54.00	-0.47	19.82	3	Horizontal	202	1.49	-
5820MHz	Pass	PK	11.65302G	59.28	74.00	-14.72	13.19	3	Horizontal	233	1.50	-
5820MHz	Pass	PK	17.44644G	67.12	74.00	-6.88	19.68	3	Horizontal	202	1.49	-
5820MHz	Pass	AV	17.4456G	53.26	54.00	-0.74	19.67	3	Vertical	139	1.40	-
5820MHz	Pass	PK	17.4434G	65.49	74.00	-8.51	19.66	3	Vertical	139	1.40	-
802.11ac VHT60_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5185MHz	Pass	AV	5.149995G	53.61	54.00	-0.39	2.80	3	Horizontal	359	1.38	-
5185MHz	Pass	AV	5.2046G	88.85	Inf	-Inf	2.83	3	Horizontal	359	1.38	-
5185MHz	Pass	PK	5.149995G	66.96	74.00	-7.04	2.80	3	Horizontal	359	1.38	-
5185MHz	Pass	PK	5.203G	98.27	Inf	-Inf	2.83	3	Horizontal	359	1.38	-
5185MHz	Pass	AV	5.149995G	53.80	54.00	-0.20	2.80	3	Vertical	360	1.50	-
5185MHz	Pass	AV	5.1902G	88.85	Inf	-Inf	2.82	3	Vertical	360	1.50	-
5185MHz	Pass	PK	5.149G	68.17	74.00	-5.83	2.80	3	Vertical	360	1.50	-
5185MHz	Pass	PK	5.1898G	98.24	Inf	-Inf	2.82	3	Vertical	360	1.50	-
5185MHz	Pass	AV	15.55098G	45.49	54.00	-8.51	14.07	3	Horizontal	121	1.94	-
5185MHz	Pass	PK	15.5451G	57.65	74.00	-16.35	14.10	3	Horizontal	121	1.94	-
5185MHz	Pass	AV	15.54336G	45.70	54.00	-8.30	14.11	3	Vertical	321	2.18	-
5185MHz	Pass	PK	15.55212G	57.62	74.00	-16.38	14.07	3	Vertical	321	2.18	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5200MHz	Pass	AV	5.1496G	46.74	54.00	-7.26	2.80	3	Horizontal	188	1.69	-
5200MHz	Pass	AV	5.2054G	88.34	Inf	-Inf	2.83	3	Horizontal	188	1.69	-
5200MHz	Pass	PK	5.1478G	58.62	74.00	-15.38	2.80	3	Horizontal	188	1.69	-
5200MHz	Pass	PK	5.209G	102.44	Inf	-Inf	2.83	3	Horizontal	188	1.69	-
5200MHz	Pass	AV	5.149995G	53.64	54.00	-0.36	2.80	3	Vertical	191	1.88	-
5200MHz	Pass	AV	5.212G	89.68	Inf	-Inf	2.83	3	Vertical	191	1.88	-
5200MHz	Pass	PK	5.1478G	68.44	74.00	-5.56	2.80	3	Vertical	191	1.88	-
5200MHz	Pass	PK	5.2114G	104.61	Inf	-Inf	2.83	3	Vertical	191	1.88	-
5200MHz	Pass	AV	15.57288G	45.95	54.00	-8.05	13.97	3	Horizontal	323	1.89	-
5200MHz	Pass	PK	15.5748G	59.32	74.00	-14.68	13.96	3	Horizontal	323	1.89	-
5200MHz	Pass	AV	15.58596G	45.84	54.00	-8.16	13.90	3	Vertical	95	1.95	-
5200MHz	Pass	PK	15.60156G	59.04	74.00	-14.96	13.83	3	Vertical	95	1.95	-
5220MHz	Pass	AV	5.1496G	45.70	54.00	-8.30	2.80	3	Horizontal	4	1.50	-
5220MHz	Pass	AV	5.242G	96.28	Inf	-Inf	2.85	3	Horizontal	4	1.50	-
5220MHz	Pass	PK	5.1496G	57.67	74.00	-16.33	2.80	3	Horizontal	4	1.50	-
5220MHz	Pass	PK	5.2372G	106.24	Inf	-Inf	2.84	3	Horizontal	4	1.50	-
5220MHz	Pass	AV	5.1496G	53.34	54.00	-0.66	2.80	3	Vertical	1	1.50	-
5220MHz	Pass	AV	5.2288G	96.65	Inf	-Inf	2.84	3	Vertical	1	1.50	-
5220MHz	Pass	PK	5.148G	66.02	74.00	-7.98	2.80	3	Vertical	1	1.50	-
5220MHz	Pass	PK	5.224G	106.11	Inf	-Inf	2.84	3	Vertical	1	1.50	-
5220MHz	Pass	AV	15.645G	44.79	54.00	-9.21	13.62	3	Horizontal	202	1.51	-
5220MHz	Pass	PK	15.66546G	57.70	74.00	-16.30	13.53	3	Horizontal	202	1.51	-
5220MHz	Pass	AV	15.65352G	44.91	54.00	-9.09	13.58	3	Vertical	28	1.79	-
5220MHz	Pass	PK	15.648G	57.62	74.00	-16.38	13.61	3	Vertical	28	1.79	-
5760MHz	Pass	AV	5.7396G	94.12	Inf	-Inf	3.48	3	Horizontal	178	2.33	-
5760MHz	Pass	PK	5.6436G	62.66	68.20	-5.54	3.28	3	Horizontal	178	2.33	-
5760MHz	Pass	PK	5.7396G	109.25	Inf	-Inf	3.48	3	Horizontal	178	2.33	-
5760MHz	Pass	PK	5.9712G	56.26	68.20	-11.94	3.96	3	Horizontal	178	2.33	-
5760MHz	Pass	AV	5.7384G	95.56	Inf	-Inf	3.47	3	Vertical	198	2.04	-
5760MHz	Pass	PK	5.6496G	65.92	68.20	-2.28	3.29	3	Vertical	198	2.04	-
5760MHz	Pass	PK	5.7348G	110.94	Inf	-Inf	3.47	3	Vertical	198	2.04	-
5760MHz	Pass	PK	5.9748G	56.93	68.20	-11.27	3.97	3	Vertical	198	2.04	-
5760MHz	Pass	AV	11.53002G	45.04	54.00	-8.96	13.35	3	Horizontal	290	1.50	-
5760MHz	Pass	AV	17.26536G	53.29	54.00	-0.71	18.45	3	Horizontal	204	1.50	-
5760MHz	Pass	PK	11.5287G	58.18	74.00	-15.82	13.36	3	Horizontal	290	1.50	-
5760MHz	Pass	PK	17.265G	66.24	74.00	-7.76	18.45	3	Horizontal	204	1.50	-
5760MHz	Pass	AV	17.26896G	53.12	54.00	-0.88	18.47	3	Vertical	142	1.38	-
5760MHz	Pass	PK	17.27028G	66.92	74.00	-7.08	18.48	3	Vertical	142	1.38	-
5790MHz	Pass	AV	5.7828G	98.47	Inf	-Inf	3.57	3	Horizontal	195	1.93	-
5790MHz	Pass	PK	5.556G	60.49	68.20	-7.71	3.10	3	Horizontal	195	1.93	-
5790MHz	Pass	PK	5.7804G	108.63	Inf	-Inf	3.57	3	Horizontal	195	1.93	-
5790MHz	Pass	PK	5.928G	57.06	68.20	-11.14	3.87	3	Horizontal	195	1.93	-
5790MHz	Pass	AV	5.7912G	100.52	Inf	-Inf	3.59	3	Vertical	188	2.20	-
5790MHz	Pass	PK	5.628G	59.92	68.20	-8.28	3.25	3	Vertical	188	2.20	-
5790MHz	Pass	PK	5.7828G	110.66	Inf	-Inf	3.57	3	Vertical	188	2.20	-
5790MHz	Pass	PK	5.9244G	58.81	68.64	-9.84	3.86	3	Vertical	188	2.20	-
5790MHz	Pass	AV	11.58276G	46.67	54.00	-7.33	13.28	3	Horizontal	314	1.50	-
5790MHz	Pass	PK	11.58192G	59.09	74.00	-14.91	13.28	3	Horizontal	314	1.50	-
5790MHz	Pass	PK	17.35512G	67.99	68.20	-0.21	19.06	3	Horizontal	348	1.50	-



RSE TX above 1GHz Result

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5790MHz	Pass	PK	17.35528G	66.70	68.20	-1.5	19.06	3	Vertical	29	1.04	-
5815MHz	Pass	AV	5.7922G	92.70	Inf	-Inf	3.59	3	Horizontal	196	2.13	-
5815MHz	Pass	PK	5.5234G	59.99	68.20	-8.21	3.03	3	Horizontal	196	2.13	-
5815MHz	Pass	PK	5.7922G	107.51	Inf	-Inf	3.59	3	Horizontal	196	2.13	-
5815MHz	Pass	PK	5.9242G	58.44	68.79	-10.35	3.86	3	Horizontal	196	2.13	-
5815MHz	Pass	AV	5.8018G	94.67	Inf	-Inf	3.61	3	Vertical	191	1.89	-
5815MHz	Pass	PK	5.5486G	59.38	68.20	-8.82	3.08	3	Vertical	191	1.89	-
5815MHz	Pass	PK	5.8018G	110.38	Inf	-Inf	3.61	3	Vertical	191	1.89	-
5815MHz	Pass	PK	5.9242G	61.75	68.79	-7.04	3.86	3	Vertical	191	1.89	-
5815MHz	Pass	AV	11.64236G	46.20	54.00	-7.80	13.20	3	Horizontal	234	1.50	-
5815MHz	Pass	AV	17.45826G	53.56	54.00	-0.44	19.76	3	Horizontal	201	1.48	-
5815MHz	Pass	PK	11.6321G	59.19	74.00	-14.81	13.21	3	Horizontal	234	1.50	-
5815MHz	Pass	PK	17.457G	66.82	74.00	-7.18	19.75	3	Horizontal	201	1.48	-
5815MHz	Pass	AV	17.43972G	53.00	54.00	-1.00	19.63	3	Vertical	140	1.33	-
5815MHz	Pass	PK	17.4351G	65.42	74.00	-8.58	19.60	3	Vertical	140	1.33	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.149995G	53.62	54.00	-0.38	2.80	3	Horizontal	7	1.67	-
5190MHz	Pass	AV	5.2176G	81.94	Inf	-Inf	2.84	3	Horizontal	7	1.67	-
5190MHz	Pass	PK	5.149995G	72.11	74.00	-1.89	2.80	3	Horizontal	7	1.67	-
5190MHz	Pass	PK	5.1976G	91.79	Inf	-Inf	2.83	3	Horizontal	7	1.67	-
5190MHz	Pass	AV	5.149995G	53.88	54.00	-0.12	2.80	3	Vertical	356	1.47	-
5190MHz	Pass	AV	5.224G	81.41	Inf	-Inf	2.84	3	Vertical	356	1.47	-
5190MHz	Pass	PK	5.149995G	73.43	74.00	-0.57	2.80	3	Vertical	356	1.47	-
5190MHz	Pass	PK	5.1984G	93.09	Inf	-Inf	2.83	3	Vertical	356	1.47	-
5190MHz	Pass	AV	15.55974G	45.40	54.00	-8.60	14.03	3	Horizontal	345	2.07	-
5190MHz	Pass	PK	15.55692G	57.47	74.00	-16.53	14.04	3	Horizontal	345	2.07	-
5190MHz	Pass	AV	15.56598G	45.43	54.00	-8.57	14.00	3	Vertical	213	2.38	-
5190MHz	Pass	PK	15.57462G	57.55	74.00	-16.45	13.96	3	Vertical	213	2.38	-
5200MHz	Pass	AV	5.149995G	49.80	54.00	-4.20	2.80	3	Horizontal	183	1.69	-
5200MHz	Pass	AV	5.203G	84.15	Inf	-Inf	2.83	3	Horizontal	183	1.69	-
5200MHz	Pass	AV	5.445G	44.44	54.00	-9.56	2.95	3	Horizontal	183	1.69	-
5200MHz	Pass	PK	5.149G	68.08	74.00	-5.92	2.80	3	Horizontal	183	1.69	-
5200MHz	Pass	PK	5.205G	101.88	Inf	-Inf	2.83	3	Horizontal	183	1.69	-
5200MHz	Pass	PK	5.372G	57.82	74.00	-16.18	2.91	3	Horizontal	183	1.69	-
5200MHz	Pass	AV	5.149995G	53.23	54.00	-0.77	2.80	3	Vertical	190	1.92	-
5200MHz	Pass	AV	5.229G	85.50	Inf	-Inf	2.84	3	Vertical	190	1.92	-
5200MHz	Pass	AV	5.427G	44.78	54.00	-9.22	2.94	3	Vertical	190	1.92	-
5200MHz	Pass	PK	5.148G	67.00	74.00	-7.00	2.80	3	Vertical	190	1.92	-
5200MHz	Pass	PK	5.209G	104.19	Inf	-Inf	2.83	3	Vertical	190	1.92	-
5200MHz	Pass	PK	5.391G	57.24	74.00	-16.76	2.92	3	Vertical	190	1.92	-
5200MHz	Pass	AV	15.57516G	45.98	54.00	-8.02	13.96	3	Horizontal	305	2.18	-
5200MHz	Pass	PK	15.61368G	58.92	74.00	-15.08	13.77	3	Horizontal	305	2.18	-
5200MHz	Pass	AV	15.57372G	45.97	54.00	-8.03	13.96	3	Vertical	62	1.84	-
5200MHz	Pass	PK	15.6132G	59.10	74.00	-14.90	13.78	3	Vertical	62	1.84	-
5210MHz	Pass	AV	5.149995G	48.25	54.00	-5.75	2.80	3	Horizontal	4	1.50	-
5210MHz	Pass	AV	5.245G	91.80	Inf	-Inf	2.85	3	Horizontal	4	1.50	-
5210MHz	Pass	AV	5.388G	45.18	54.00	-8.82	2.92	3	Horizontal	4	1.50	-
5210MHz	Pass	PK	5.148G	59.46	74.00	-14.54	2.80	3	Horizontal	4	1.50	-
5210MHz	Pass	PK	5.218G	103.39	Inf	-Inf	2.84	3	Horizontal	4	1.50	-



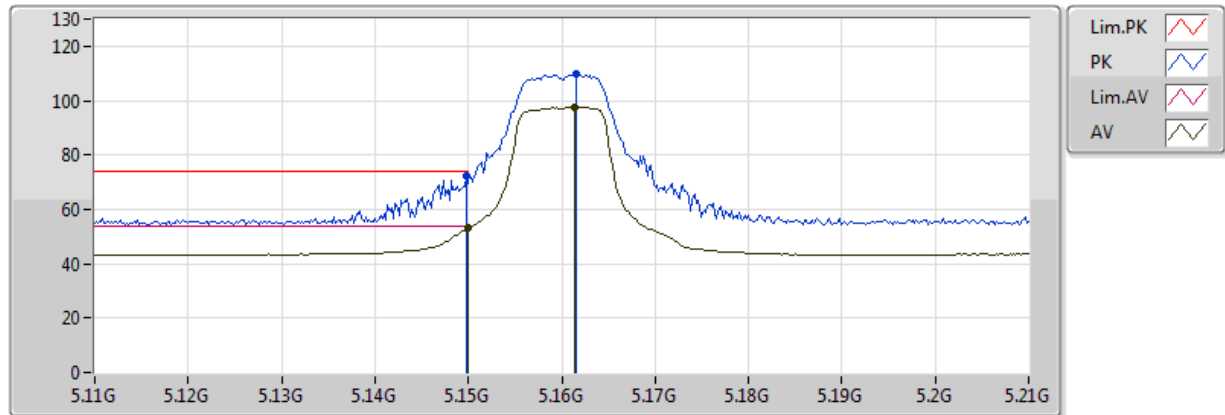
RSE TX above 1GHz Result

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	PK	5.382G	57.21	74.00	-16.79	2.92	3	Horizontal	4	1.50	-
5210MHz	Pass	AV	5.149995G	53.87	54.00	-0.13	2.80	3	Vertical	359	1.50	-
5210MHz	Pass	AV	5.233G	92.75	Inf	-Inf	2.84	3	Vertical	359	1.50	-
5210MHz	Pass	AV	5.406G	45.76	54.00	-8.24	2.93	3	Vertical	359	1.50	-
5210MHz	Pass	PK	5.148G	67.48	74.00	-6.52	2.80	3	Vertical	359	1.50	-
5210MHz	Pass	PK	5.199G	103.61	Inf	-Inf	2.83	3	Vertical	359	1.50	-
5210MHz	Pass	PK	5.388G	57.29	74.00	-16.71	2.92	3	Vertical	359	1.50	-
5210MHz	Pass	AV	15.62154G	44.99	54.00	-9.01	13.74	3	Horizontal	32	1.50	-
5210MHz	Pass	PK	15.62946G	57.41	74.00	-16.59	13.70	3	Horizontal	32	1.50	-
5210MHz	Pass	AV	15.63018G	44.99	54.00	-9.01	13.69	3	Vertical	187	1.50	-
5210MHz	Pass	PK	15.61578G	57.22	74.00	-16.78	13.76	3	Vertical	187	1.50	-
5770MHz	Pass	AV	5.7448G	90.67	Inf	-Inf	3.49	3	Horizontal	178	2.21	-
5770MHz	Pass	PK	5.6464G	67.46	68.20	-0.74	3.28	3	Horizontal	178	2.21	-
5770MHz	Pass	PK	5.758G	110.00	Inf	-Inf	3.52	3	Horizontal	178	2.21	-
5770MHz	Pass	PK	5.9308G	60.44	68.20	-7.76	3.87	3	Horizontal	178	2.21	-
5770MHz	Pass	AV	5.7424G	92.31	Inf	-Inf	3.48	3	Vertical	197	2.04	-
5770MHz	Pass	PK	5.6512G	68.86	69.09	-0.23	3.29	3	Vertical	197	2.04	-
5770MHz	Pass	PK	5.758G	111.82	Inf	-Inf	3.52	3	Vertical	197	2.04	-
5770MHz	Pass	PK	5.9284G	62.28	68.20	-5.92	3.87	3	Vertical	197	2.04	-
5770MHz	Pass	AV	11.53034G	45.44	54.00	-8.56	13.35	3	Horizontal	231	2.25	-
5770MHz	Pass	PK	11.55266G	58.51	74.00	-15.49	13.32	3	Horizontal	231	2.25	-
5770MHz	Pass	PK	17.30244G	67.83	68.20	-0.37	18.70	3	Horizontal	204	1.50	-
5770MHz	Pass	PK	17.31018G	67.46	68.20	-0.74	18.75	3	Vertical	137	1.38	-
5790MHz	Pass	AV	5.7732G	98.85	Inf	-Inf	3.55	3	Horizontal	176	2.10	-
5790MHz	Pass	PK	5.6508G	66.56	68.79	-2.23	3.29	3	Horizontal	176	2.10	-
5790MHz	Pass	PK	5.7768G	109.71	Inf	-Inf	3.56	3	Horizontal	176	2.10	-
5790MHz	Pass	PK	5.9244G	64.94	68.64	-3.70	3.86	3	Horizontal	176	2.10	-
5790MHz	Pass	AV	5.7696G	100.72	Inf	-Inf	3.54	3	Vertical	183	2.02	-
5790MHz	Pass	PK	5.6484G	65.57	68.20	-2.63	3.29	3	Vertical	183	2.02	-
5790MHz	Pass	PK	5.7792G	111.00	Inf	-Inf	3.56	3	Vertical	183	2.02	-
5790MHz	Pass	PK	5.9316G	64.59	68.20	-3.61	3.88	3	Vertical	183	2.02	-
5790MHz	Pass	AV	11.583G	47.45	54.00	-6.55	13.28	3	Horizontal	314	1.50	-
5790MHz	Pass	AV	17.35288G	53.82	54.00	-0.18	19.04	3	Horizontal	347	1.49	-
5790MHz	Pass	PK	11.583G	59.67	74.00	-14.33	13.28	3	Horizontal	314	1.50	-
5790MHz	Pass	PK	17.3308G	69.60	74.00	-4.40	18.89	3	Horizontal	347	1.49	-
5790MHz	Pass	AV	17.35512G	52.60	54.00	-1.40	19.06	3	Vertical	28	1.22	-
5790MHz	Pass	PK	17.3516G	67.22	74.00	-6.78	19.03	3	Vertical	28	1.22	-
5805MHz	Pass	AV	5.7906G	90.68	Inf	-Inf	3.59	3	Horizontal	173	2.14	-
5805MHz	Pass	PK	5.6466G	63.12	68.20	-5.08	3.28	3	Horizontal	173	2.14	-
5805MHz	Pass	PK	5.7894G	109.33	Inf	-Inf	3.59	3	Horizontal	173	2.14	-
5805MHz	Pass	PK	5.9358G	66.86	68.20	-1.34	3.89	3	Horizontal	173	2.14	-
5805MHz	Pass	AV	5.7882G	92.07	Inf	-Inf	3.58	3	Vertical	197	1.90	-
5805MHz	Pass	PK	5.649G	65.47	68.20	-2.73	3.29	3	Vertical	197	1.90	-
5805MHz	Pass	PK	5.7942G	110.82	Inf	-Inf	3.60	3	Vertical	197	1.90	-
5805MHz	Pass	PK	5.9298G	68.09	68.20	-0.11	3.87	3	Vertical	197	1.90	-
5805MHz	Pass	AV	11.59992G	46.25	54.00	-7.75	13.26	3	Horizontal	232	1.50	-
5805MHz	Pass	PK	11.5992G	59.13	74.00	-14.87	13.26	3	Horizontal	232	1.50	-
5805MHz	Pass	PK	17.4267G	67.76	68.20	-0.44	19.54	3	Horizontal	201	1.48	-
5805MHz	Pass	PK	17.42856G	67.45	68.2	-0.75	19.56	3	Vertical	139	1.35	-

802.11ac VHT10_Nss1,(MCS0)_2TX

5160MHz_TX

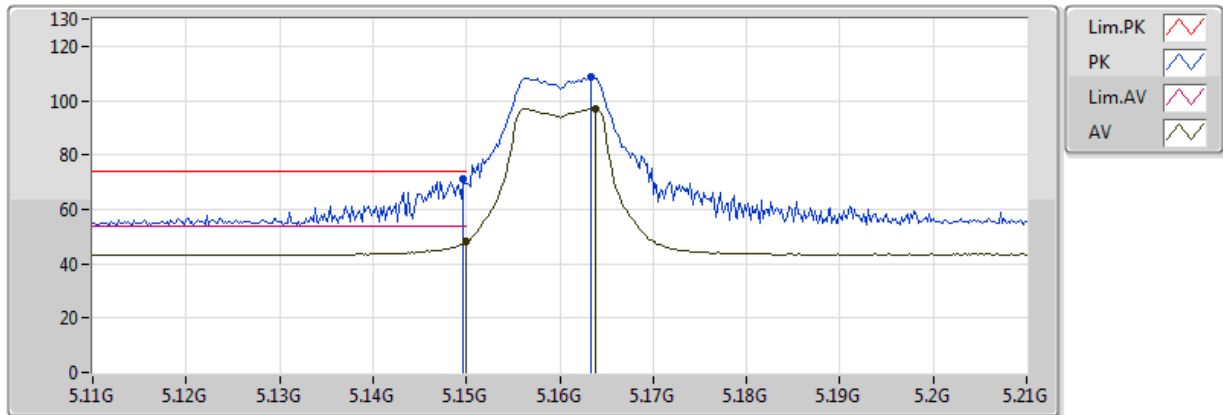


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	53.04	54.00	-0.96	2.80	3	Vertical	3	1.49	-	50.24	31.66	5.62	34.48
AV	5.1614G	97.68	Inf	-Inf	2.81	3	Vertical	3	1.49	-	94.87	31.66	5.62	34.48
PK	5.1498G	72.46	74.00	-1.54	2.80	3	Vertical	3	1.49	-	69.66	31.66	5.62	34.48
PK	5.1616G	109.80	Inf	-Inf	2.81	3	Vertical	3	1.49	-	106.99	31.66	5.62	34.48

802.11ac VHT10_Nss1,(MCS0)_2TX

5160MHz_TX

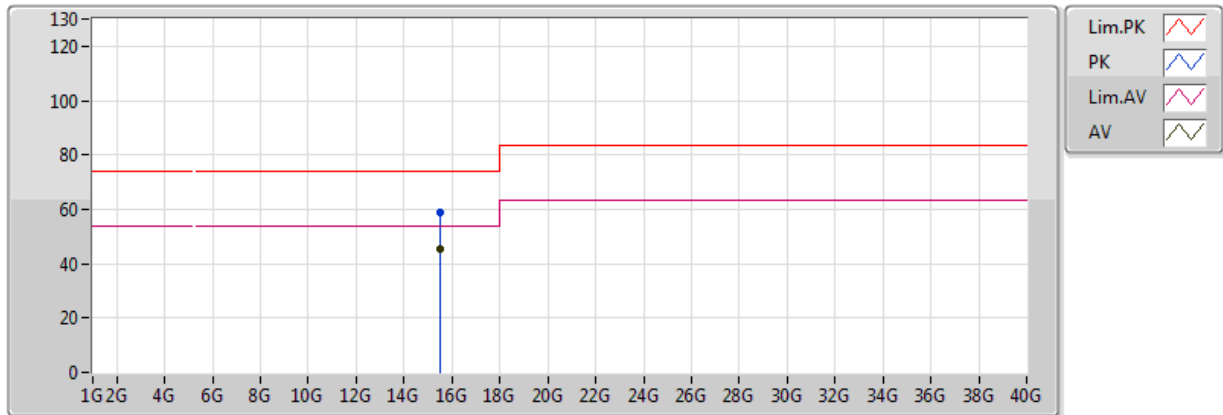


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	48.12	54.00	-5.88	2.80	3	Horizontal	360	1.48	-	45.32	31.66	5.62	34.48
AV	5.1638G	97.13	Inf	-Inf	2.81	3	Horizontal	360	1.48	-	94.32	31.67	5.62	34.48
PK	5.1496G	70.93	74.00	-3.07	2.80	3	Horizontal	360	1.48	-	68.13	31.66	5.62	34.48
PK	5.1634G	108.74	Inf	-Inf	2.81	3	Horizontal	360	1.48	-	105.93	31.67	5.62	34.48

802.11ac VHT10_Nss1,(MCS0)_2TX

5160MHz_TX

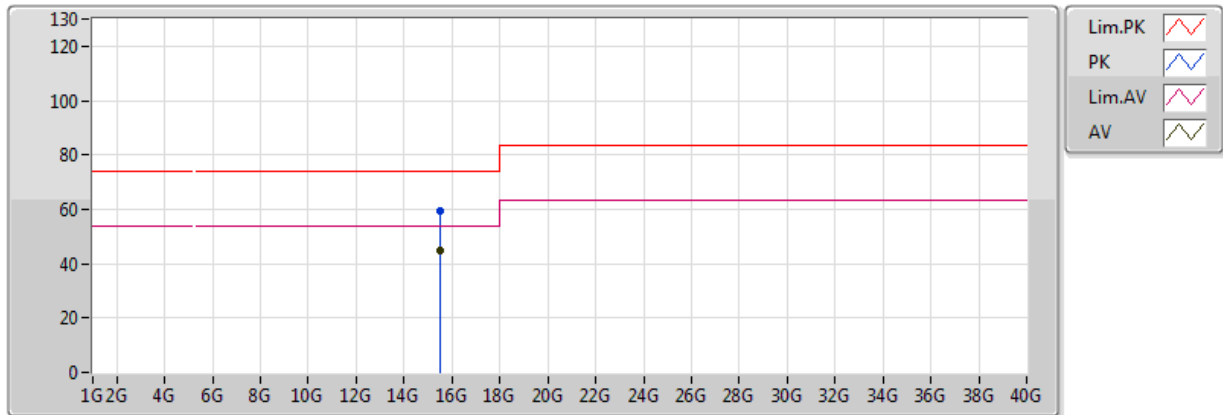


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.48G	45.13	54.00	-8.87	15.02	3	Vertical	162	1.03	-	30.11	39.13	10.81	34.92
PK	15.48G	59.08	74.00	-14.92	15.02	3	Vertical	162	1.03	-	44.06	39.13	10.81	34.92

802.11ac VHT10_Nss1,(MCS0)_2TX

5160MHz_TX

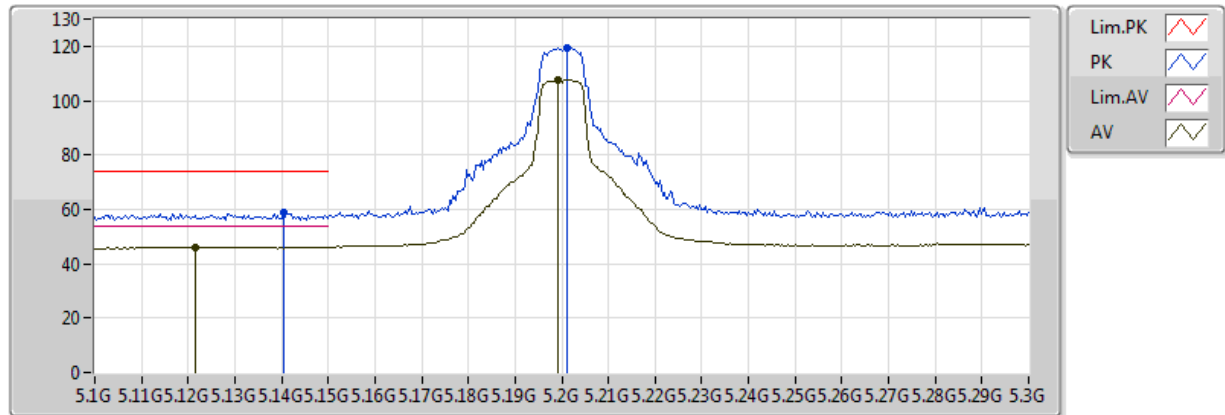


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.48G	44.95	54.00	-9.05	15.02	3	Horizontal	153	1.50	-	29.93	39.13	10.81	34.92
PK	15.48G	59.63	74.00	-14.37	15.02	3	Horizontal	153	1.50	-	44.61	39.13	10.81	34.92

802.11ac VHT10_Nss1,(MCS0)_2TX

5200MHz_TX

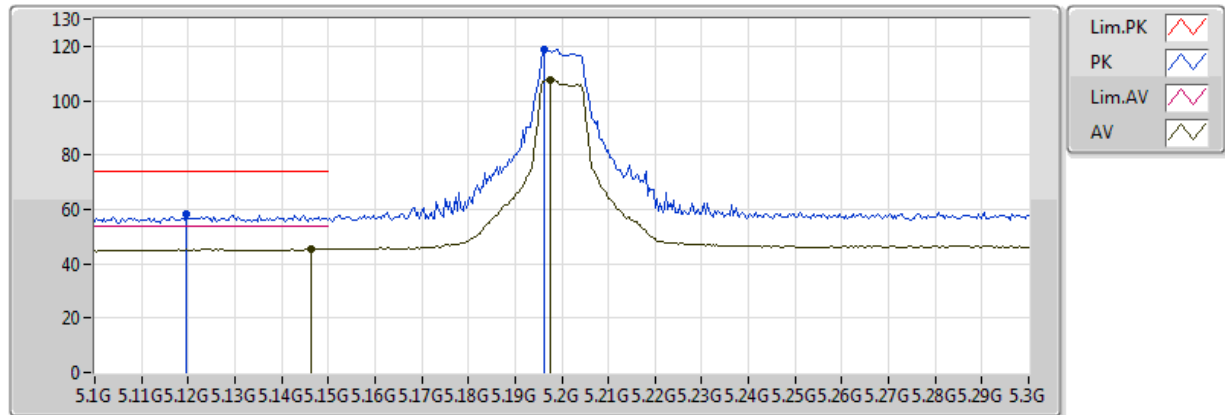


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1216G	46.20	54.00	-7.80	2.78	3	Vertical	192	1.88	-	43.42	31.65	5.61	34.48
AV	5.1992G	107.76	Inf	-Inf	2.83	3	Vertical	192	1.88	-	104.93	31.68	5.63	34.48
PK	5.1404G	58.90	74.00	-15.10	2.79	3	Vertical	192	1.88	-	56.10	31.66	5.62	34.48
PK	5.2012G	119.48	Inf	-Inf	2.83	3	Vertical	192	1.88	-	116.65	31.68	5.63	34.48

802.11ac VHT10_Nss1,(MCS0)_2TX

5200MHz_TX

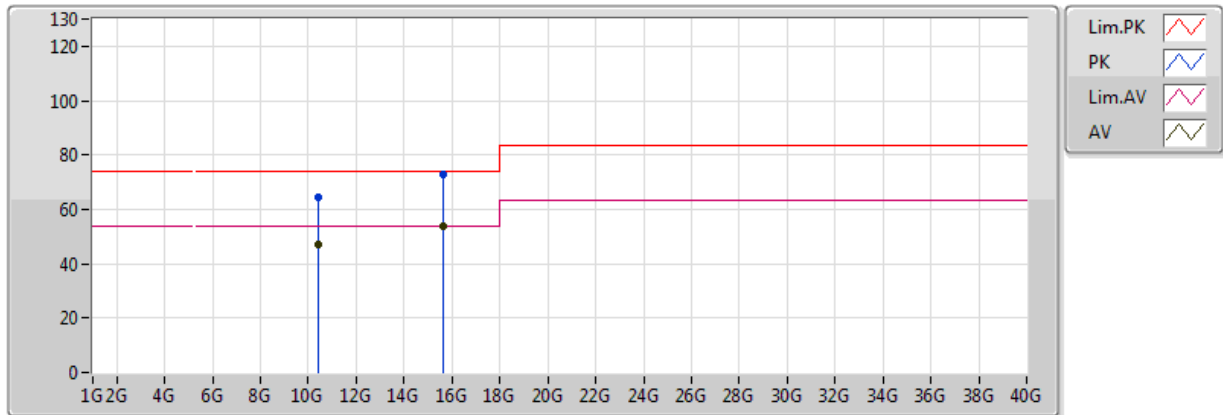


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1464G	45.43	54.00	-8.57	2.80	3	Horizontal	191	1.87	-	42.63	31.66	5.62	34.48
AV	5.1976G	107.70	Inf	-Inf	2.83	3	Horizontal	191	1.87	-	104.87	31.68	5.63	34.48
PK	5.1196G	58.00	74.00	-16.00	2.78	3	Horizontal	191	1.87	-	55.22	31.65	5.61	34.48
PK	5.1964G	118.75	Inf	-Inf	2.83	3	Horizontal	191	1.87	-	115.92	31.68	5.63	34.48

802.11ac VHT10_Nss1,(MCS0)_2TX

5200MHz_TX

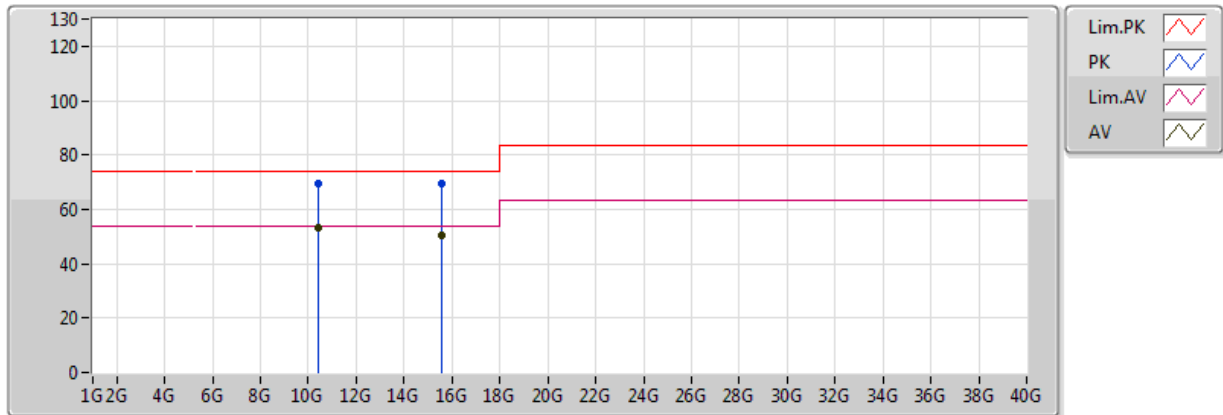


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.397G	47.21	54.00	-6.79	12.53	3	Vertical	153	1.50	-	34.68	39.56	7.95	34.97
AV	15.6042G	53.87	54.00	-0.13	13.82	3	Vertical	347	1.06	-	40.05	38.60	9.97	34.76
PK	10.4039G	64.16	74.00	-9.84	12.55	3	Vertical	153	1.50	-	51.61	39.57	7.95	34.97
PK	15.6054G	72.81	74.00	-1.19	13.81	3	Vertical	347	1.06	-	59.00	38.60	9.97	34.76

802.11ac VHT10_Nss1,(MCS0)_2TX

5200MHz_TX

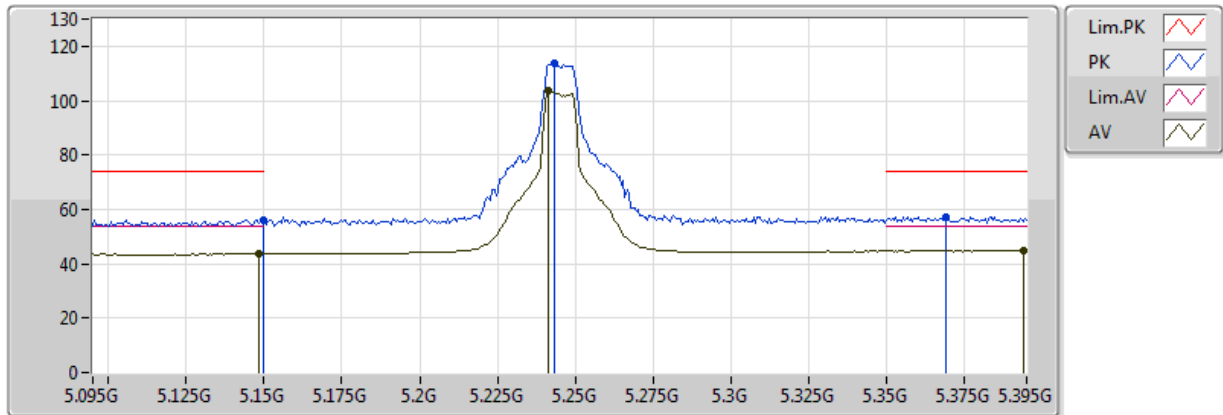


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.40216G	53.23	54.00	-0.77	12.54	3	Horizontal	56	1.50	-	40.69	39.56	7.95	34.97
AV	15.59988G	50.69	54.00	-3.31	13.84	3	Horizontal	12	1.12	-	36.86	38.62	9.97	34.75
PK	10.4051G	69.75	74.00	-4.25	12.55	3	Horizontal	56	1.50	-	57.20	39.57	7.95	34.97
PK	15.5985G	69.22	74.00	-4.78	13.85	3	Horizontal	12	1.12	-	55.38	38.63	9.97	34.75

802.11ac VHT10_Nss1,(MCS0)_2TX

5245MHz_TX

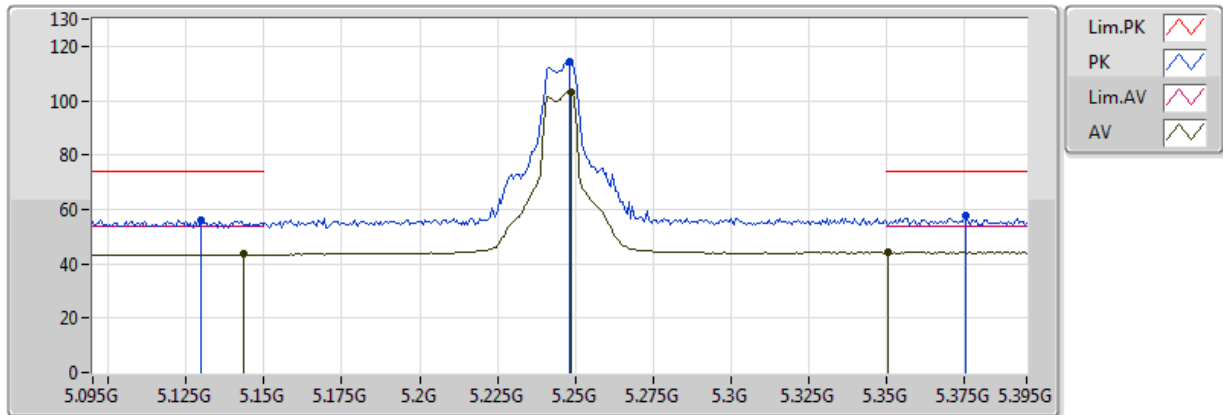


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1484G	43.79	54.00	-10.21	2.80	3	Vertical	349	1.20	-	40.99	31.66	5.62	34.48
AV	5.2414G	103.52	Inf	-Inf	2.85	3	Vertical	349	1.20	-	100.68	31.70	5.63	34.48
AV	5.3938G	44.82	54.00	-9.18	2.93	3	Vertical	349	1.20	-	41.89	31.76	5.66	34.49
PK	5.149995G	56.08	74.00	-17.92	2.80	3	Vertical	349	1.20	-	53.28	31.66	5.62	34.48
PK	5.2432G	114.01	Inf	-Inf	2.85	3	Vertical	349	1.20	-	111.17	31.70	5.63	34.48
PK	5.3692G	57.26	74.00	-16.74	2.91	3	Vertical	349	1.20	-	54.35	31.75	5.65	34.49

802.11ac VHT10_Nss1,(MCS0)_2TX

5245MHz_TX

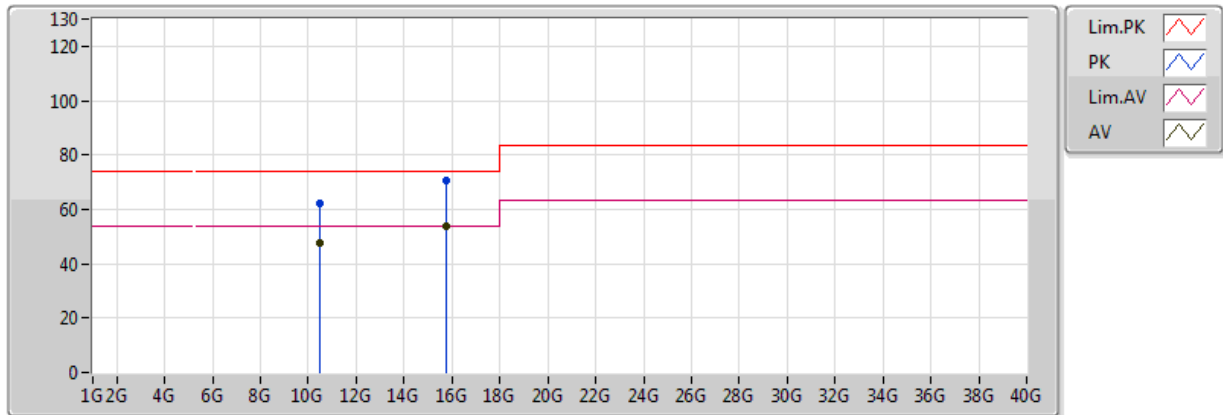


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1436G	43.43	54.00	-10.57	2.80	3	Horizontal	4	1.50	-	40.64	31.66	5.62	34.48
AV	5.2486G	103.23	Inf	-Inf	2.85	3	Horizontal	4	1.50	-	100.38	31.70	5.63	34.48
AV	5.3506G	44.23	54.00	-9.77	2.90	3	Horizontal	4	1.50	-	41.33	31.74	5.65	34.49
PK	5.1298G	56.05	74.00	-17.95	2.79	3	Horizontal	4	1.50	-	53.26	31.65	5.62	34.48
PK	5.248G	114.10	Inf	-Inf	2.85	3	Horizontal	4	1.50	-	111.25	31.70	5.63	34.48
PK	5.3752G	57.99	74.00	-16.01	2.92	3	Horizontal	4	1.50	-	55.08	31.75	5.66	34.49

802.11ac VHT10_Nss1,(MCS0)_2TX

5245MHz_TX

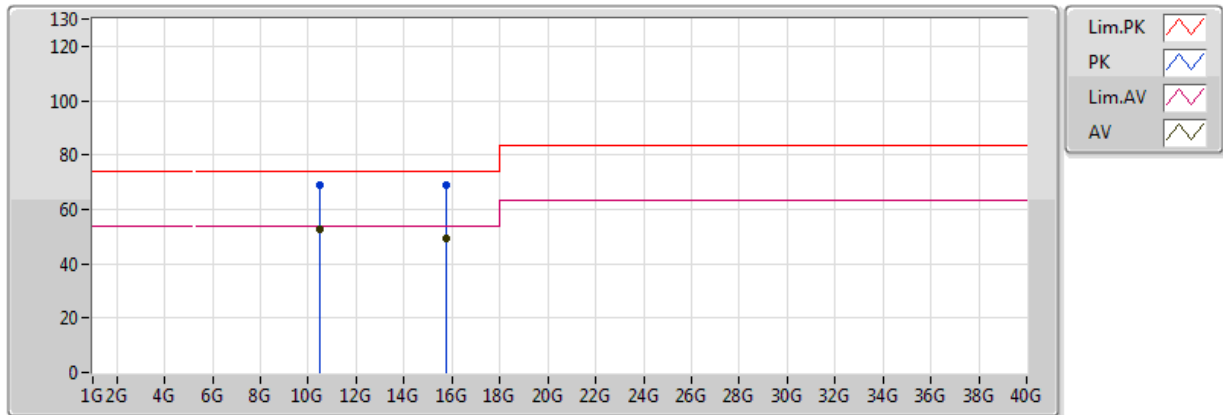


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.49G	47.83	54.00	-6.17	12.77	3	Vertical	199	1.34	-	35.06	39.69	7.99	34.91
AV	15.735G	53.86	54.00	-0.14	13.19	3	Vertical	153	1.13	-	40.67	38.11	10.00	34.92
PK	10.49G	61.93	74.00	-12.07	12.77	3	Vertical	199	1.34	-	49.16	39.69	7.99	34.91
PK	15.735G	70.74	74.00	-3.26	13.19	3	Vertical	153	1.13	-	57.55	38.11	10.00	34.92

802.11ac VHT10_Nss1,(MCS0)_2TX

5245MHz_TX

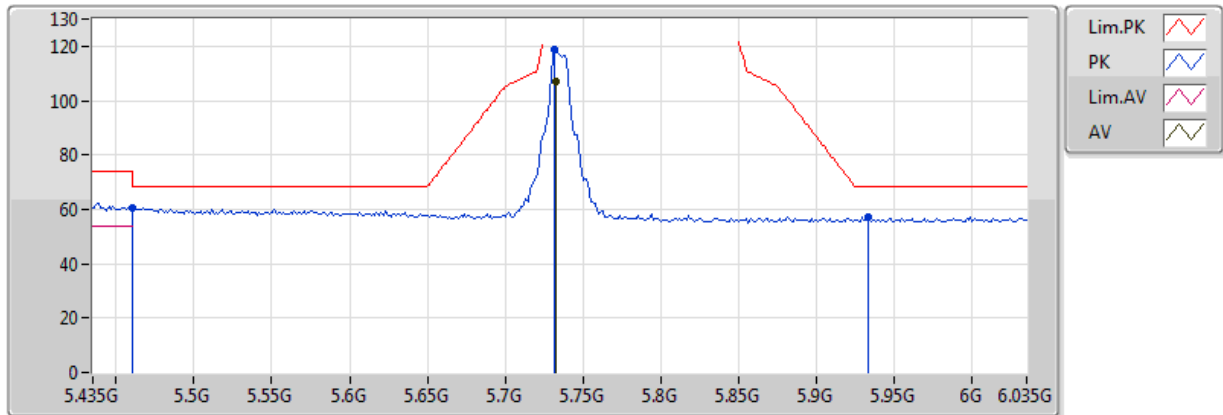


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.49G	52.61	54.00	-1.39	13.46	3	Horizontal	229	1.45	-	39.15	39.34	9.06	34.93
AV	15.735G	49.13	54.00	-4.87	14.08	3	Horizontal	178	1.50	-	35.05	38.13	11.01	35.07
PK	10.49G	68.96	74.00	-5.04	13.46	3	Horizontal	229	1.45	-	55.50	39.34	9.06	34.93
PK	15.735G	69.20	74.00	-4.80	14.08	3	Horizontal	178	1.50	-	55.12	38.13	11.01	35.07

802.11ac VHT10_Nss1,(MCS0)_2TX

5735MHz_TX

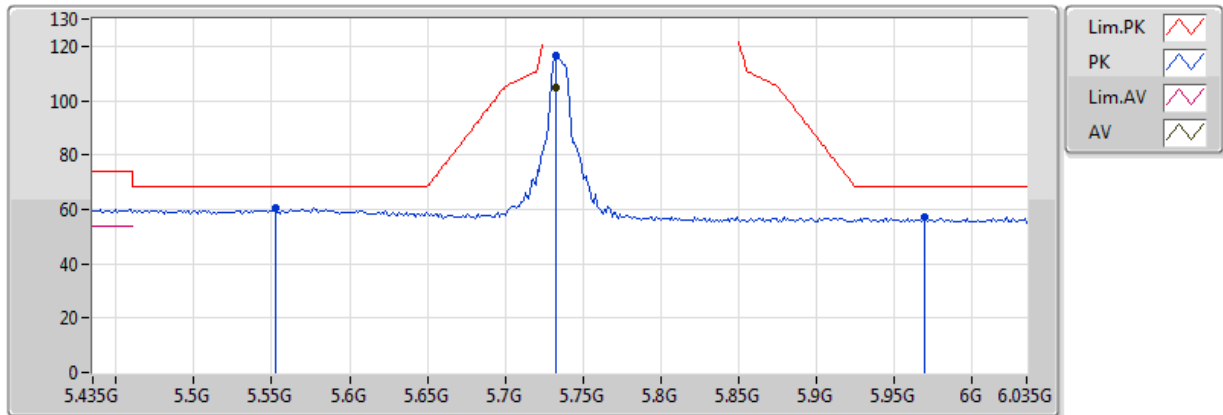


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7326G	106.93	Inf	-Inf	3.46	3	Vertical	201	1.92	-	103.47	32.17	5.84	34.55
PK	5.4602G	60.54	68.20	-7.66	2.96	3	Vertical	201	1.92	-	57.58	31.78	5.67	34.49
PK	5.7314G	118.52	Inf	-Inf	3.46	3	Vertical	201	1.92	-	115.06	32.17	5.84	34.55
PK	5.933G	56.94	68.20	-11.26	3.88	3	Vertical	201	1.92	-	53.06	32.49	5.98	34.60

802.11ac VHT10_Nss1,(MCS0)_2TX

5735MHz_TX

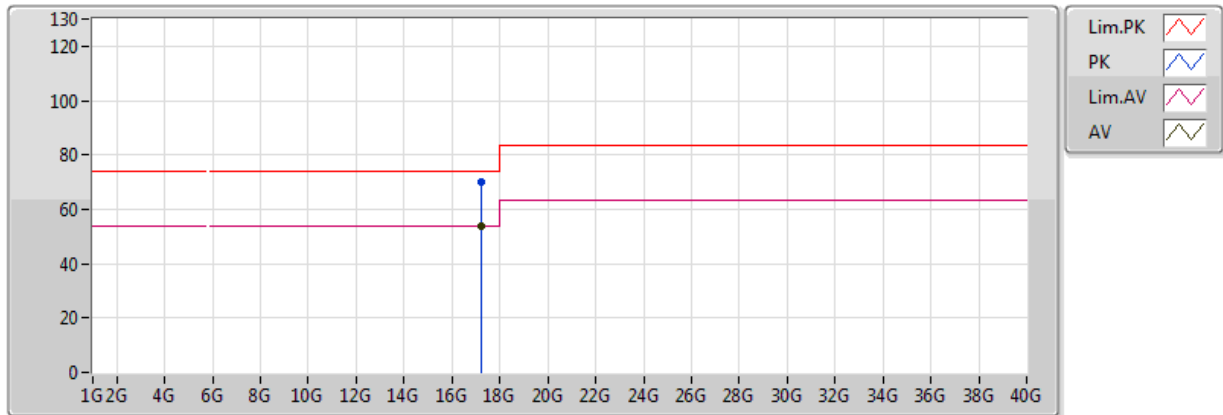


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7326G	104.76	Inf	-Inf	3.46	3	Horizontal	186	1.85	-	101.30	32.17	5.84	34.55
PK	5.5526G	60.46	68.20	-7.74	3.09	3	Horizontal	186	1.85	-	57.36	31.88	5.71	34.50
PK	5.7326G	116.53	Inf	-Inf	3.46	3	Horizontal	186	1.85	-	113.07	32.17	5.84	34.55
PK	5.969G	56.89	68.20	-11.31	3.95	3	Horizontal	186	1.85	-	52.93	32.55	6.01	34.60

802.11ac VHT10_Nss1,(MCS0)_2TX

5735MHz_TX

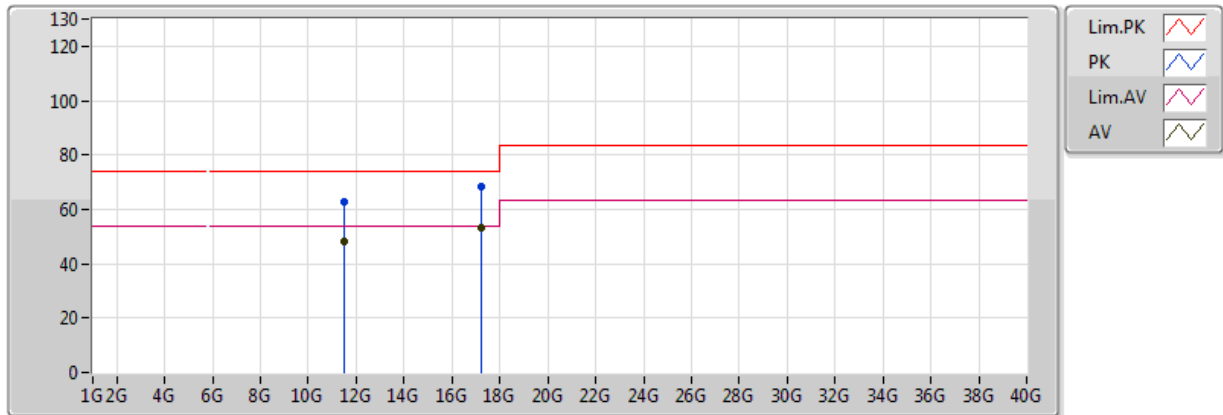


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	17.20542G	53.61	54.00	-0.39	18.04	3	Vertical	147	1.34	-	35.57	41.40	10.46	33.81
PK	17.20266G	69.99	74.00	-4.01	18.02	3	Vertical	147	1.34	-	51.97	41.38	10.46	33.81

802.11ac VHT10_Nss1,(MCS0)_2TX

5735MHz_TX

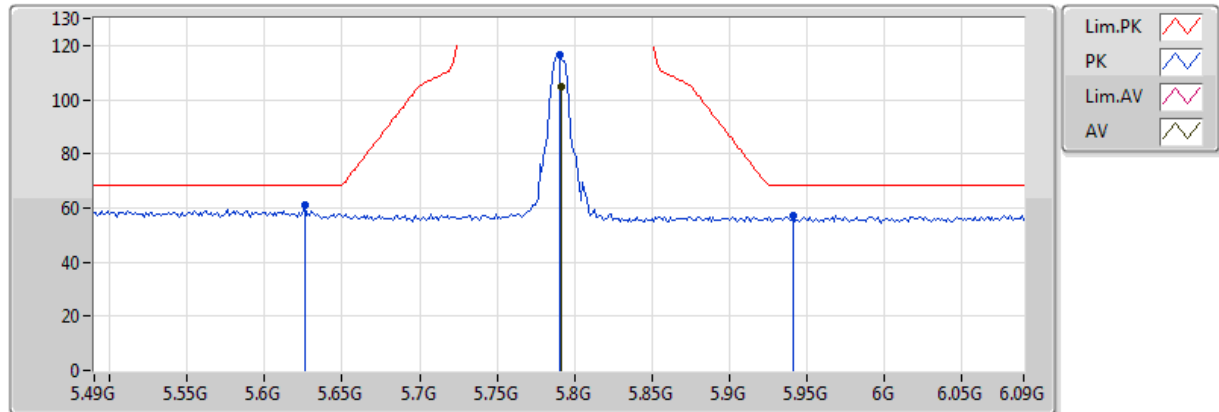


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.46838G	47.96	54.00	-6.04	13.44	3	Horizontal	234	1.50	-	34.52	39.74	8.35	34.65
AV	17.20536G	53.36	54.00	-0.64	18.04	3	Horizontal	212	1.45	-	35.31	41.40	10.46	33.81
PK	11.46694G	62.76	74.00	-11.24	13.44	3	Horizontal	234	1.50	-	49.32	39.75	8.35	34.65
PK	17.2044G	68.47	74.00	-5.53	18.04	3	Horizontal	212	1.45	-	50.43	41.39	10.46	33.81

802.11ac VHT10_Nss1,(MCS0)_2TX

5790MHz_TX

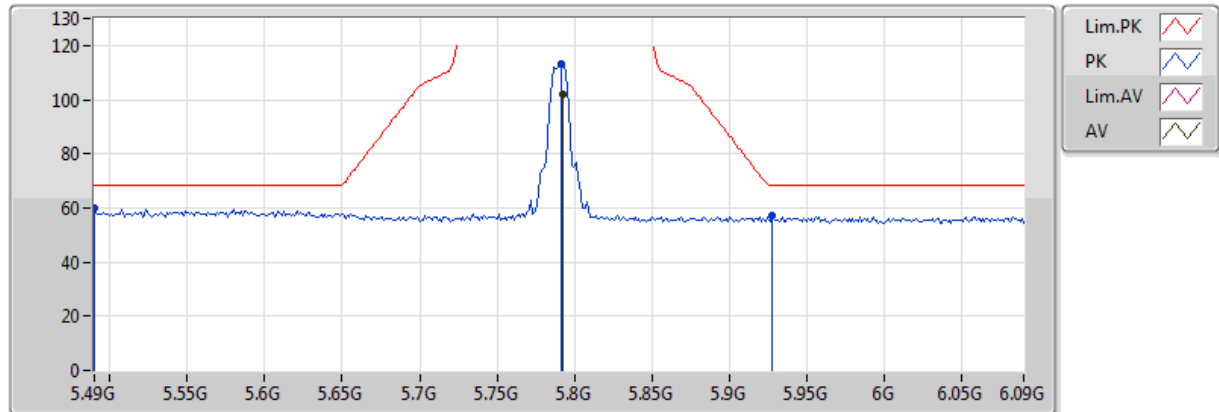


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7912G	104.86	Inf	-Inf	3.59	3	Vertical	189	2.09	-	101.27	32.27	5.88	34.56
PK	5.6256G	60.90	68.20	-7.30	3.24	3	Vertical	189	2.09	-	57.66	32.00	5.76	34.52
PK	5.79G	116.81	Inf	-Inf	3.59	3	Vertical	189	2.09	-	113.22	32.26	5.88	34.56
PK	5.9412G	57.33	68.20	-10.87	3.90	3	Vertical	189	2.09	-	53.43	32.51	5.99	34.60

802.11ac VHT10_Nss1,(MCS0)_2TX

5790MHz_TX

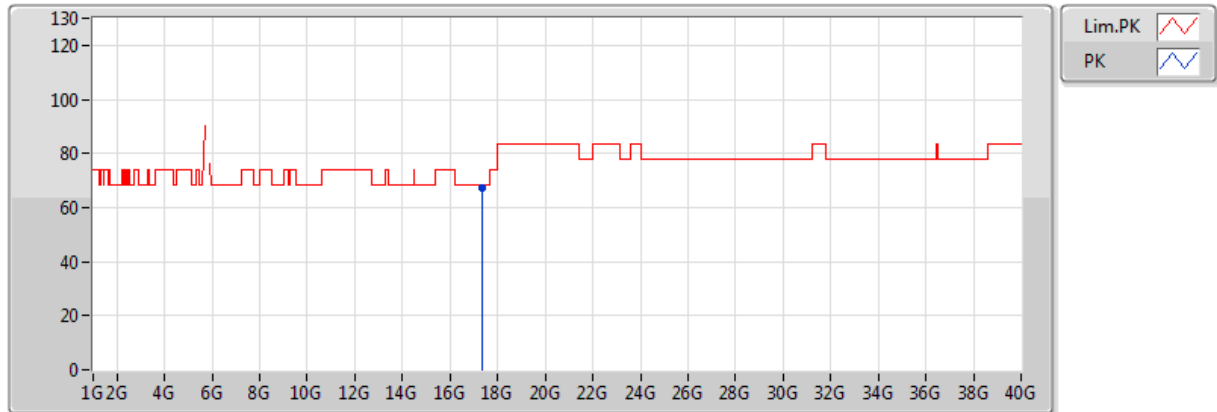


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7924G	102.14	Inf	-Inf	3.59	3	Horizontal	186	2.00	-	98.55	32.27	5.88	34.56
PK	5.49G	60.09	68.20	-8.11	2.97	3	Horizontal	186	2.00	-	57.11	31.80	5.67	34.49
PK	5.7912G	112.97	Inf	-Inf	3.59	3	Horizontal	186	2.00	-	109.38	32.27	5.88	34.56
PK	5.928G	57.41	68.20	-10.79	3.87	3	Horizontal	186	2.00	-	53.54	32.48	5.98	34.60

802.11ac VHT10_Nss1,(MCS0)_2TX

5790MHz_TX

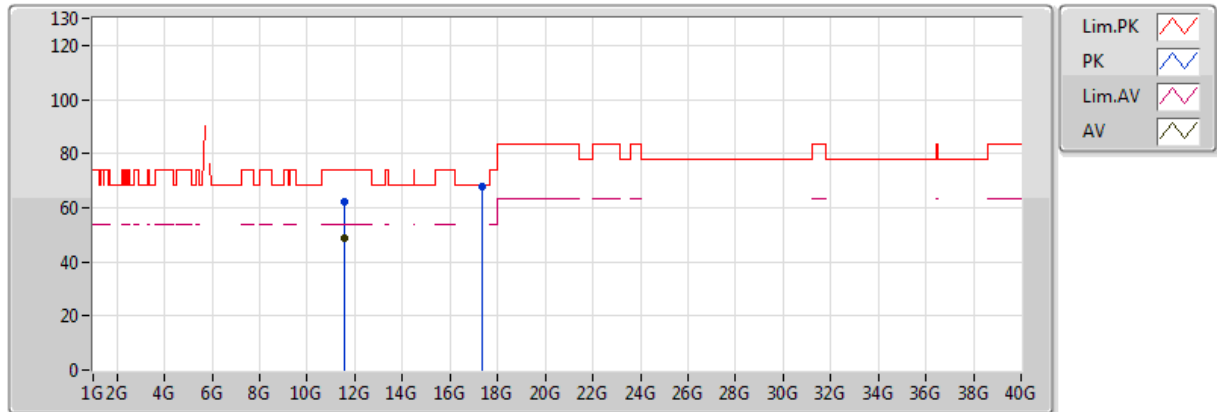


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	17.36712G	67.18	68.20	-1.02	19.14	3	Vertical	351	2.41	-	48.04	42.50	10.53	33.89

802.11ac VHT10_Nss1,(MCS0)_2TX

5790MHz_TX

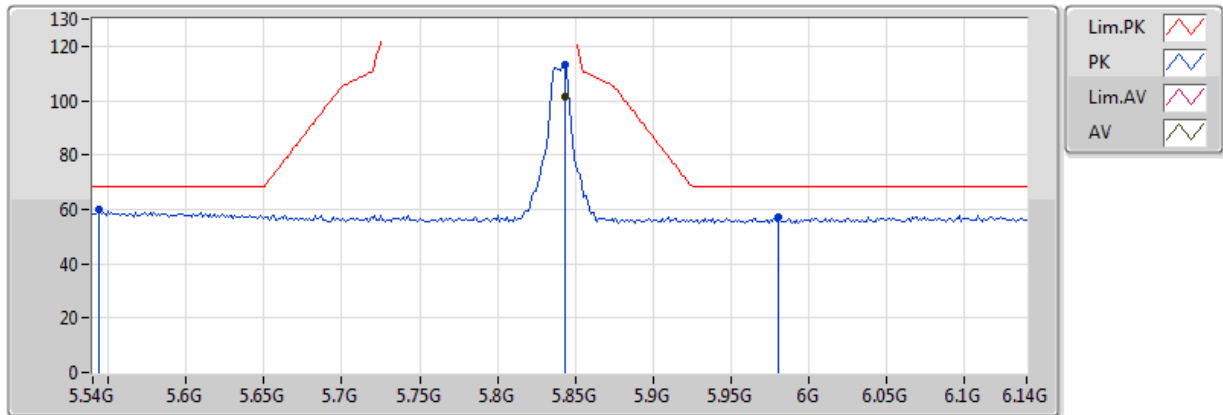


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.58288G	48.82	54.00	-5.18	13.28	3	Horizontal	125	2.01	-	35.54	39.58	8.38	34.68
PK	11.58276G	62.27	74.00	-11.73	13.28	3	Horizontal	125	2.01	-	48.99	39.58	8.38	34.68
PK	17.3706G	67.99	68.20	-0.21	19.16	3	Horizontal	349	1.49	-	48.83	42.52	10.53	33.89

802.11ac VHT10_Nss1,(MCS0)_2TX

5840MHz_TX

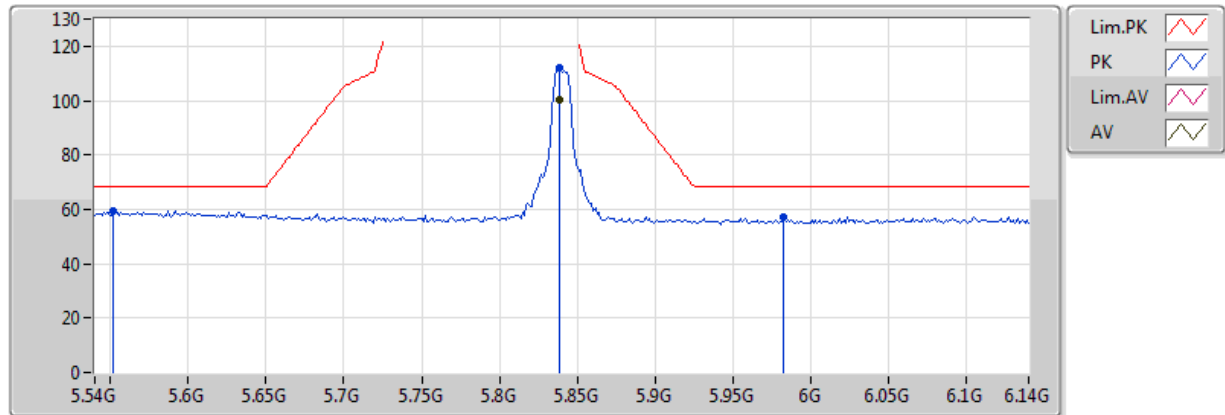


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8436G	101.62	Inf	-Inf	3.70	3	Vertical	198	1.50	-	97.92	32.35	5.92	34.57
PK	5.5436G	59.88	68.20	-8.32	3.07	3	Vertical	198	1.50	-	56.81	31.87	5.70	34.50
PK	5.8436G	113.10	Inf	-Inf	3.70	3	Vertical	198	1.50	-	109.40	32.35	5.92	34.57
PK	5.9804G	57.18	68.20	-11.02	3.98	3	Vertical	198	1.50	-	53.20	32.57	6.02	34.61

802.11ac VHT10_Nss1,(MCS0)_2TX

5840MHz_TX

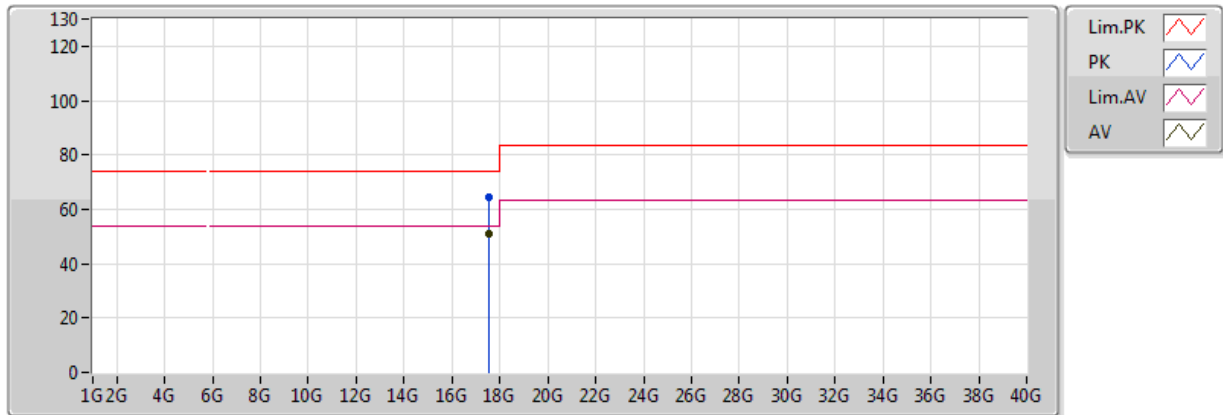


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8388G	100.07	Inf	-Inf	3.69	3	Horizontal	189	1.50	-	96.39	32.34	5.92	34.57
PK	5.552G	59.41	68.20	-8.79	3.09	3	Horizontal	189	1.50	-	56.32	31.88	5.71	34.50
PK	5.8388G	111.80	Inf	-Inf	3.69	3	Horizontal	189	1.50	-	108.11	32.34	5.92	34.57
PK	5.9828G	57.05	68.20	-11.15	3.98	3	Horizontal	189	1.50	-	53.06	32.57	6.02	34.61

802.11ac VHT10_Nss1,(MCS0)_2TX

5840MHz_TX

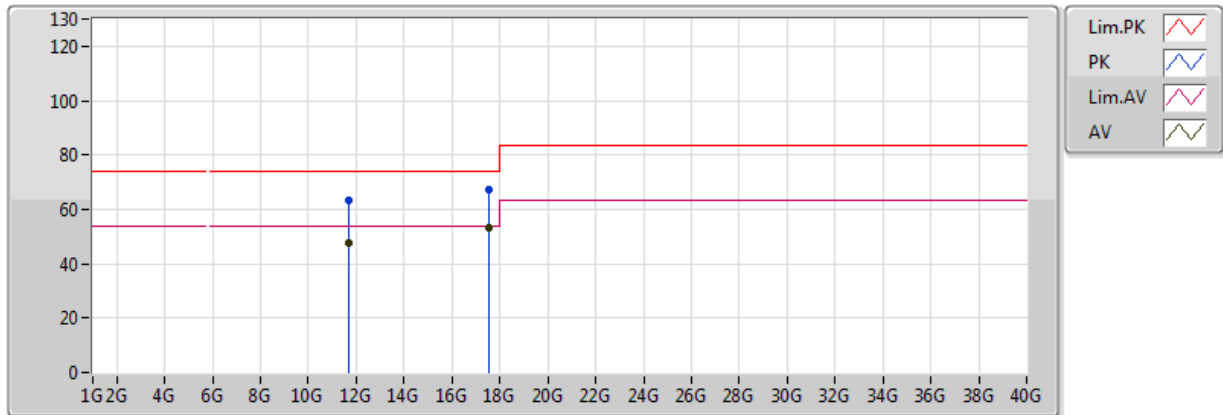


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	17.51598G	50.76	54.00	-3.24	20.15	3	Vertical	196	1.67	-	30.61	43.51	10.60	33.96
PK	17.5152G	64.24	74.00	-9.76	20.14	3	Vertical	196	1.67	-	44.10	43.50	10.60	33.96

802.11ac VHT10_Nss1,(MCS0)_2TX

5840MHz_TX

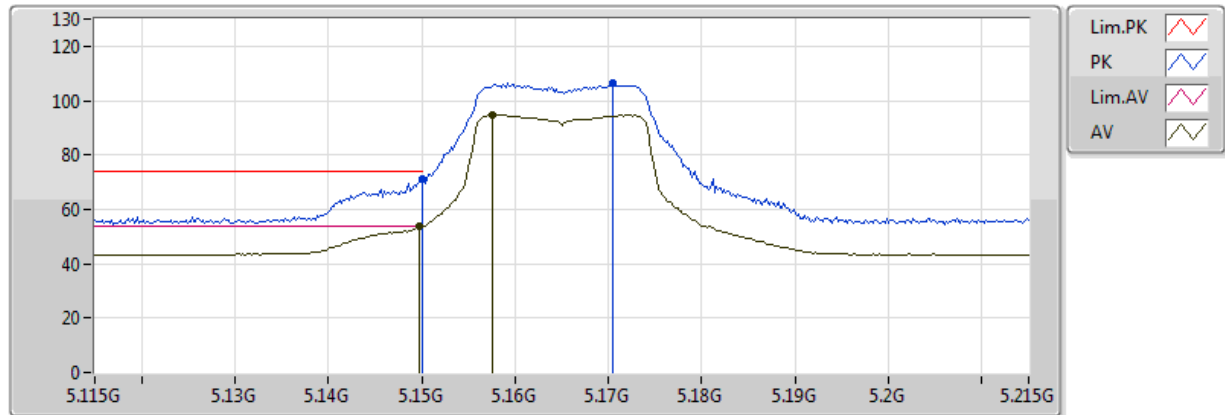


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.68012G	47.78	54.00	-6.22	13.15	3	Horizontal	235	1.50	-	34.63	39.45	8.40	34.70
AV	17.52168G	53.29	54.00	-0.71	20.19	3	Horizontal	210	1.90	-	33.10	43.55	10.61	33.97
PK	11.67904G	63.08	74.00	-10.92	13.15	3	Horizontal	235	1.50	-	49.93	39.45	8.40	34.70
PK	17.52138G	67.49	74.00	-6.51	20.18	3	Horizontal	210	1.90	-	47.31	43.55	10.61	33.97

802.11ac VHT20_Nss1,(MCS0)_2TX

5165MHz_TX

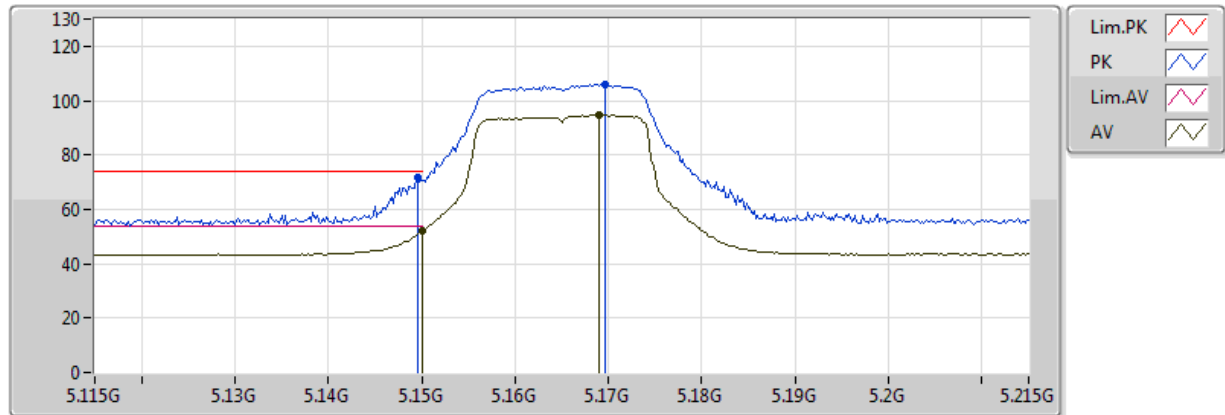


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1498G	53.71	54.00	-0.29	2.80	3	Vertical	5	1.22	-	50.91	31.66	5.62	34.48
AV	5.1576G	94.72	Inf	-Inf	2.80	3	Vertical	5	1.22	-	91.91	31.66	5.62	34.48
PK	5.149995G	71.40	74.00	-2.60	2.80	3	Vertical	5	1.22	-	68.60	31.66	5.62	34.48
PK	5.1704G	106.41	Inf	-Inf	2.81	3	Vertical	5	1.22	-	103.60	31.67	5.62	34.48

802.11ac VHT20_Nss1,(MCS0)_2TX

5165MHz_TX

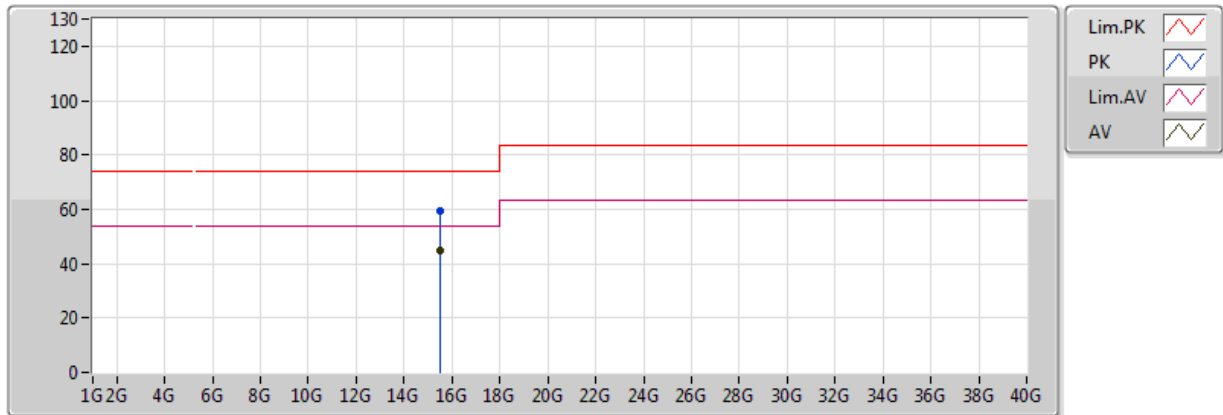


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.149995G	51.89	54.00	-2.11	2.80	3	Horizontal	8	1.50	-	49.09	31.66	5.62	34.48
AV	5.169G	94.73	Inf	-Inf	2.81	3	Horizontal	8	1.50	-	91.91	31.67	5.62	34.48
PK	5.1496G	71.65	74.00	-2.35	2.80	3	Horizontal	8	1.50	-	68.85	31.66	5.62	34.48
PK	5.1696G	106.15	Inf	-Inf	2.81	3	Horizontal	8	1.50	-	103.34	31.67	5.62	34.48

802.11ac VHT20_Nss1,(MCS0)_2TX

5165MHz_TX



EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.495G	44.77	54.00	-9.23	14.96	3	Vertical	157	1.05	-	29.81	39.07	10.82	34.93
PK	15.495G	59.13	74.00	-14.87	14.96	3	Vertical	157	1.05	-	44.17	39.07	10.82	34.93