FCC Test Report

FCC ID	:	**SWX-LBE5ACLR**
Equipment	:	**LiteBeam AC LR**
Brand Name	:	**UBIQUITI**
Model Name	:	**LBE-5AC-LR**
Applicant / Manufacturer	:	**Ubiquiti Networks, Inc. 685 Third Avenue, 27th Floor New York, New York 10017 USA**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Jul. 19, 2018, and testing was started from Aug. 28, 2018 and completed on Aug. 30, 2018. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR871939AN	01	Initial issue of report	Sep. 05, 2018

Summary of Test Result

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

Reviewed by: Jackson Tsai

Report Producer: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)
5150-5250	ac (VHT10)	5160-5245
5725-5850		5735-5840
5150-5250	a, n (HT20), ac (VHT20)	5165-5240
5725-5850		5740-5835
5150-5250	ac (VHT30)	5170-5235
5725-5850		5745-5830
5150-5250	n (HT40), ac (VHT40)	5175-5230
5725-5850		5750-5825
5150-5250	ac (VHT50)	5180-5225
5725-5850		5755-5820
5150-5250	ac (VHT60)	5185-5220
5725-5850		5760-5815
5150-5250	ac (VHT80)	5190-5210
5725-5850		5770-5805

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	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	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

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ac VHT80	80	2TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.
- Point-to-multipoint didn't support 50/60/80MHz nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	-	Internal antenna	Murata
2	-	-	Dish antenna	Murata
3	-	-	Dish antenna	Murata

Ant.	Port	Gain (dBi)	
		2.4G	5G
1	1	2	-
2	2	-	26
3	3	-	26

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

Only Ant. 1 (port 1) could transmit/receive simultaneously.

For 5GHz function:

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

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition					
EUT Power Type	From PoE				
EUT Function	☒	Outdoor	☐	Indoor	
	☒	Fixed P2P	☐	Client	
	☒	Point-to-multipoint	☒	Point-to-point	
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) ≥ 1/T
802.11a	0.961	0.173	1.347m	1k
802.11ac VHT10	0.976	0.106	2.541m	1k
802.11ac VHT20	0.959	0.182	1.272m	1k
802.11ac VHT30	0.939	0.273	875u	3k
802.11ac VHT40	0.909	0.414	628.125u	3k
802.11ac VHT50	0.908	0.419	518.75u	3k
802.11ac VHT60	0.894	0.487	440.625u	3k
802.11ac VHT80	0.856	0.675	321.875u	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 v02r01
- 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
AC Conduction	CO04-HY	Daniel	23°C / 52%	28/Aug/2018
RF Conducted	TH06-HY	Tim	25.5°C / 60%	29/Aug/2018
Radiated	03CH03-HY	Andy	24.6°C / 62%	30/Aug/2018

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 (9kHz ~ 30MHz)	3.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software	DoS

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
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	**Y Plane**
	
Worst Planes of EUT	V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz +WLAN 5GHz
Refer to Sporton Test Report No.: FA871939 for Co-location RF Exposure Evaluation.	

2.4 Accessories

Accessories				
PoE Adapter	**Brand Name**	UBIQUITI	**Model Name**	GP-J240-030G
	Power Rating	I/P: 100 - 240Vac, 0.3A, O/P: 24Vdc, 0.3A		
Power Cord	**Power Cord**	2.6 meter, non-shielded cable		

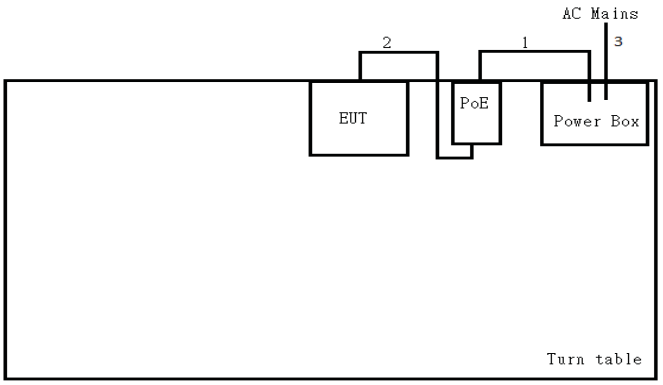
Reminder: Regarding to more detail and other information, please refer to user manual.

2.5 Support Equipment

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for Notebook	DELL	HA65NM130	DoC

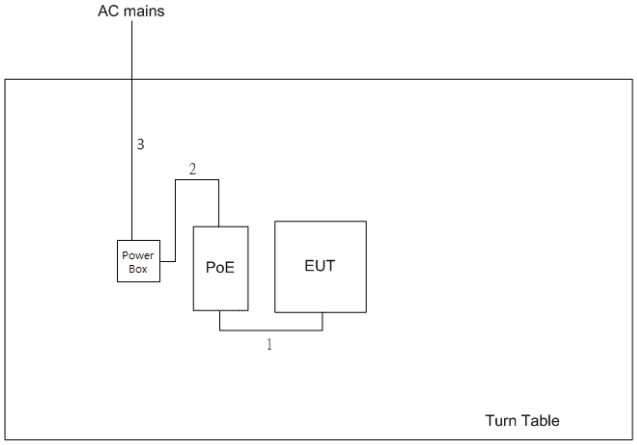
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	AC Power line	No	0.6m
2	RJ45 cable	No	0.5m
3	AC Power line	No	1.5m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	RJ45 cable	No	0.5m
2	AC Power line	No	0.6m
3	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

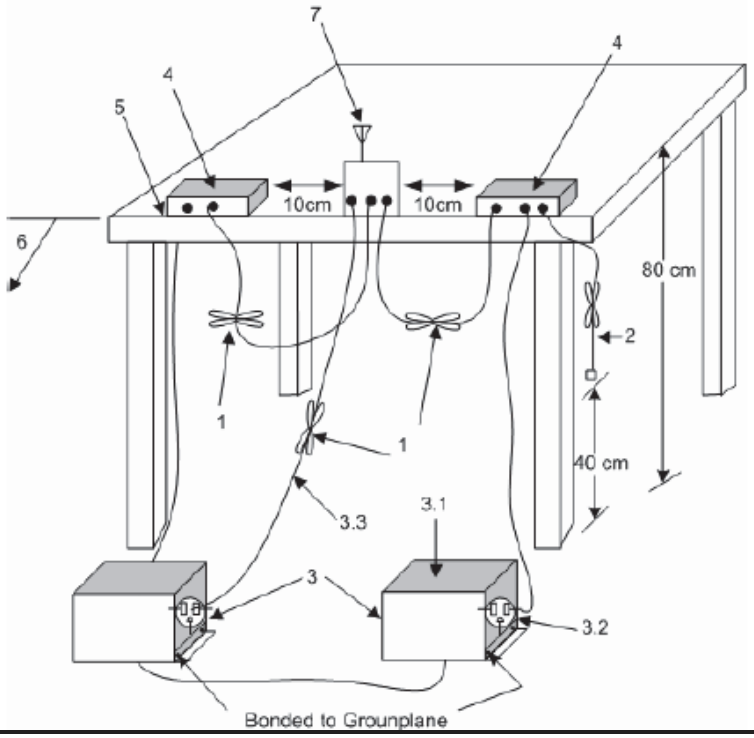
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



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 ≥ 500kHz.

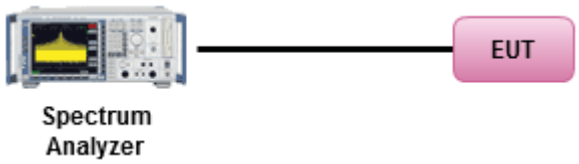
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method		
▪	For the emission bandwidth shall be measured using one of the options below:	
	☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
	☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
	☐	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

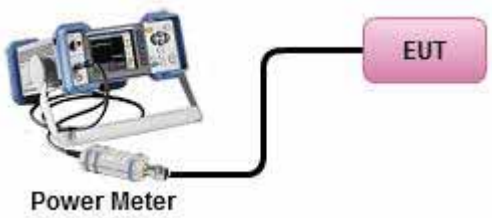
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

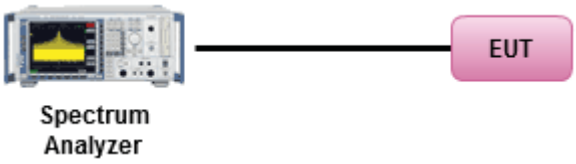
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
Duty cycle ≥ 98%	
☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
Duty cycle < 98%	
☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
▪ For conducted measurement.	
▪ If the EUT supports multiple transmit chains using options given below:	
	▪ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

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

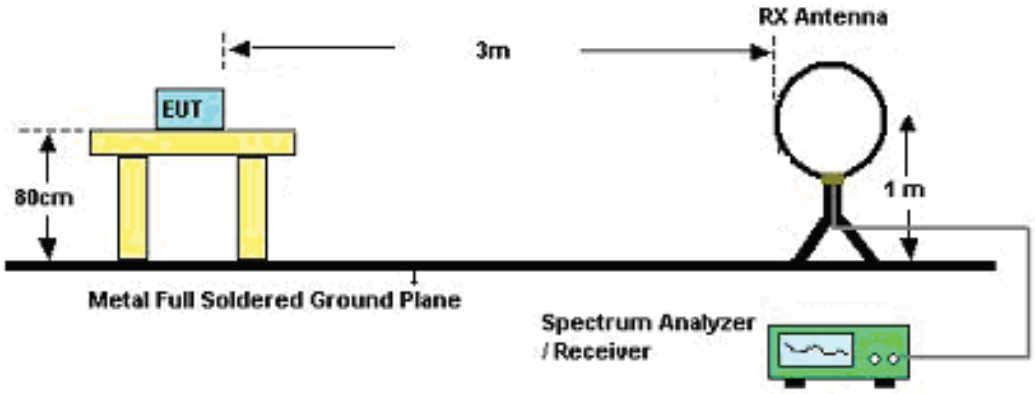
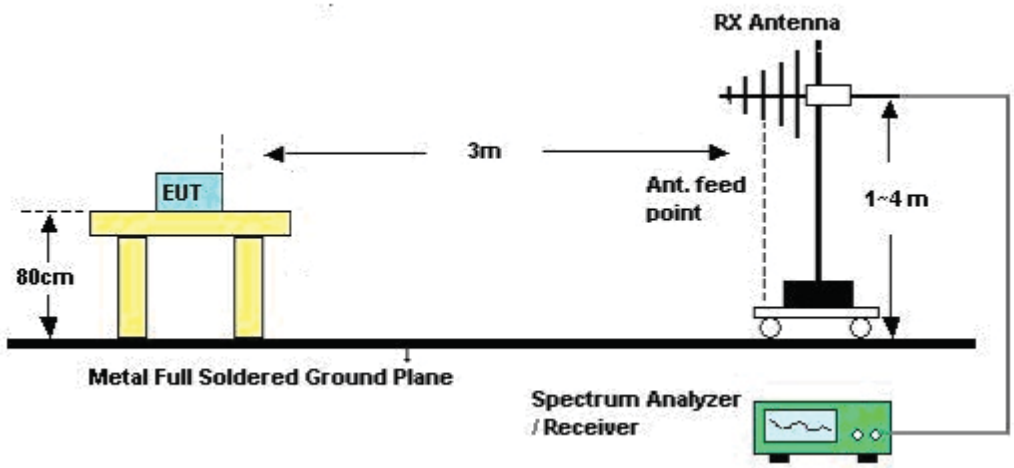
3.5.2 Measuring Instruments

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

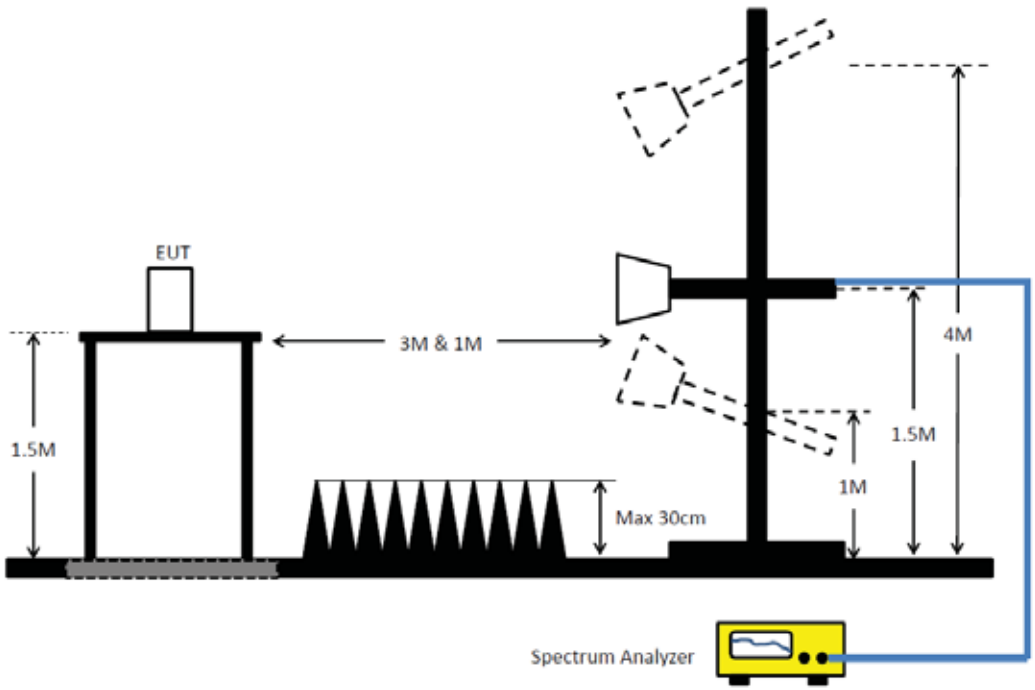
3.5.3 Test Procedures

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

3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 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	ESR	102051	9KHz ~ 3.6GHz	03/May/2018	02/May/2019
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018

NCR : Non-Calibration Require

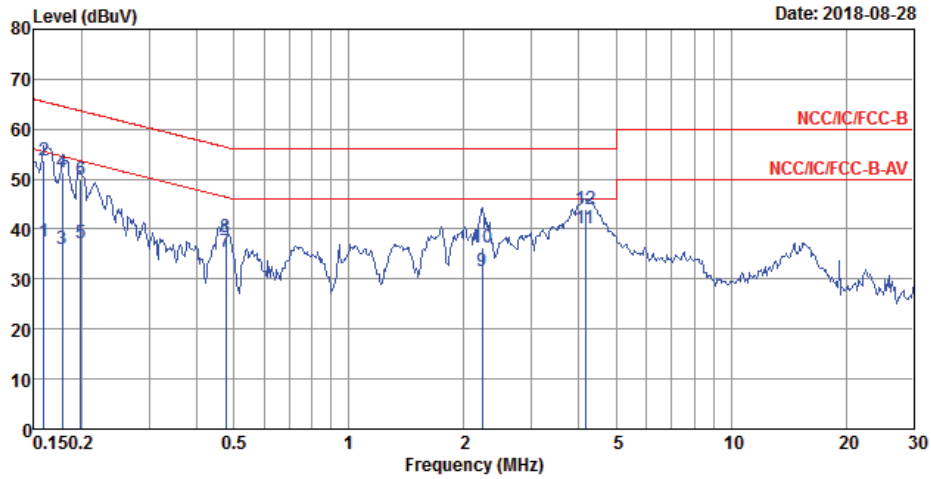
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	29/Dec/2017	28/Dec/2018
Signal Generator	R&S	SMB100A	175727	100kHz~40GHz	26/Oct/2017	25/Oct/2018
Pulse Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	27/Feb/2018	26/Feb/2019
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	27/Feb/2018	26/Feb/2019
CABLE 0.2m	HUBER	MY37960/4	RF Cable - 17	1 to 18GHz	17/Jan/2018	16/Jan/2019
CABLE 0.2m	HUBER	MY37960/4	RF Cable - 17	30 to 1000MHz	17/Jan/2018	16/Jan/2019
CABLE 0.5m	HUBER	MY37963/4	RF Cable - 22	1 to 18GHz	17/Jan/2018	16/Jan/2019

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	31/Oct/2017	30/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	01/Nov/2017	31/Oct/2018
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	23/Apr/2018	19/Apr/2019
Microwave System Preamplifier	Agilent	8449B	3008A02326	1GHz ~ 26.5GHz	03/Jul/2018	02/Jul/2019
Signal Analyzer	R&S	FSP40	100305	10Hz ~ 40GHz	04/Jan/2018	03/Jan/2019
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	29/Jan/2018	28/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX 106	CB222	1GHz ~ 40GHz	29/Jan/2018	28/Jan/2019
Bilog Antenna	SCHAFFNER	CBL 6112B	2723	30MHz ~ 1GHz	09/Sep/2017	08/Sep/2018
Receiver	R&S	ESCS 30	100354	9kHz ~ 2.75GHz	08/Dec/2017	07/Dec/2018
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	06/Feb/ 2018	05/Feb/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	18/Apr/ 2018	17/Apr/2019
Amplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	28/Mar/2018	27/Mar/2019

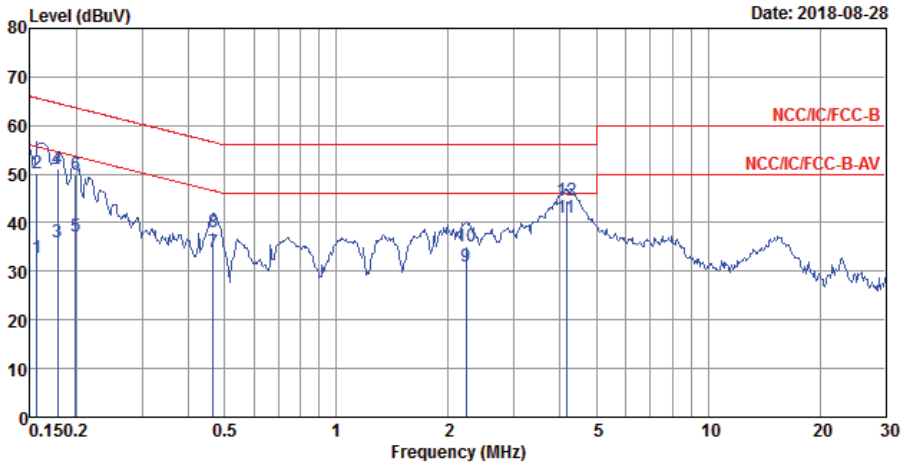
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	37.44	-18.08	55.52	27.78	9.63	0.03	Average
2	0.16	53.70	-11.82	65.52	44.04	9.63	0.03	QP
3	0.18	36.03	-18.56	54.59	26.39	9.62	0.02	Average
4	0.18	51.29	-13.30	64.59	41.65	9.62	0.02	QP
5	0.20	37.19	-16.48	53.67	27.57	9.62	0.00	Average
6	0.20	49.85	-13.82	63.67	40.23	9.62	0.00	QP
7	0.48	35.57	-10.84	46.41	25.88	9.61	0.08	Average
8	0.48	38.51	-17.90	56.41	28.82	9.61	0.08	QP
9	2.24	31.53	-14.47	46.00	21.89	9.63	0.01	Average
10	2.24	36.34	-19.66	56.00	26.70	9.63	0.01	QP
11 MAX	4.16	40.19	-5.81	46.00	30.46	9.64	0.09	Average
12	4.16	44.06	-11.94	56.00	34.33	9.64	0.09	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	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	32.83	-22.82	55.65	23.17	9.62	0.04	Average
2	0.16	50.05	-15.60	65.65	40.39	9.62	0.04	QP
3	0.18	36.02	-18.57	54.59	26.38	9.62	0.02	Average
4	0.18	50.93	-13.66	64.59	41.29	9.62	0.02	QP
5	0.20	37.31	-16.36	53.67	27.69	9.62	0.00	Average
6	0.20	49.89	-13.78	63.67	40.27	9.62	0.00	QP
7	0.47	34.05	-12.53	46.58	24.36	9.61	0.08	Average
8	0.47	38.14	-18.44	56.58	28.45	9.61	0.08	QP
9	2.24	30.87	-15.13	46.00	21.24	9.62	0.01	Average
10	2.24	35.21	-20.79	56.00	25.58	9.62	0.01	QP
11 MAX	4.16	40.91	-5.09	46.00	31.19	9.63	0.09	Average
12	4.16	44.61	-11.39	56.00	34.89	9.63	0.09	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	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	25.6M	16.667M	16M7D1D	24.475M	16.592M
802.11ac VHT10_Nss1,(MCS0)_2TX	14.488M	8.983M	8M98D1D	13.963M	8.933M
802.11ac VHT20_Nss1,(MCS0)_2TX	25.625M	17.841M	17M8D1D	24.775M	17.741M
802.11ac VHT30_Nss1,(MCS0)_2TX	37.275M	25.937M	25M9D1D	36.188M	25.825M
802.11ac VHT40_Nss1,(MCS0)_2TX	50.9M	36.432M	36M4D1D	47.45M	36.282M
802.11ac VHT50_Nss1,(MCS0)_2TX	60.75M	44.54M	44M5D1D	57.938M	44.478M
802.11ac VHT60_Nss1,(MCS0)_2TX	72.525M	53.073M	53M1D1D	68.775M	52.924M
802.11ac VHT80_Nss1,(MCS0)_2TX	99.3M	75.962M	76M0D1D	94.4M	75.762M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.325M	16.642M	16M6D1D	16M	16.617M
802.11ac VHT10_Nss1,(MCS0)_2TX	8.8M	9.008M	9M01D1D	8.775M	8.946M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.275M	17.791M	17M8D1D	16.675M	17.741M
802.11ac VHT30_Nss1,(MCS0)_2TX	25.538M	25.9M	25M9D1D	24M	25.787M
802.11ac VHT40_Nss1,(MCS0)_2TX	36M	36.332M	36M3D1D	35M	36.232M
802.11ac VHT50_Nss1,(MCS0)_2TX	44.5M	44.603M	44M6D1D	43.063M	44.415M
802.11ac VHT60_Nss1,(MCS0)_2TX	52.8M	52.999M	53M0D1D	51.3M	52.849M
802.11ac VHT80_Nss1,(MCS0)_2TX	75M	75.962M	76M0D1D	70.7M	75.762M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5165MHz_TnomVnom	Pass	Inf	24.55M	16.642M	24.525M	16.617M
5200MHz_TnomVnom	Pass	Inf	25.1M	16.667M	24.475M	16.592M
5240MHz_TnomVnom	Pass	Inf	25.6M	16.667M	24.675M	16.592M
5740MHz_TnomVnom	Pass	500k	16M	16.642M	16.3M	16.642M
5790MHz_TnomVnom	Pass	500k	16.05M	16.642M	16.325M	16.642M
5835MHz_TnomVnom	Pass	500k	16.275M	16.617M	16.275M	16.642M
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5160MHz_TnomVnom	Pass	Inf	14.225M	8.983M	14.213M	8.933M
5200MHz_TnomVnom	Pass	Inf	14.238M	8.946M	14.45M	8.958M
5245MHz_TnomVnom	Pass	Inf	14.488M	8.933M	13.963M	8.946M
5735MHz_TnomVnom	Pass	500k	8.8M	9.008M	8.8M	8.983M
5790MHz_TnomVnom	Pass	500k	8.8M	8.971M	8.788M	8.946M
5840MHz_TnomVnom	Pass	500k	8.8M	8.958M	8.775M	8.971M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5165MHz_TnomVnom	Pass	Inf	25.175M	17.766M	25.425M	17.741M
5200MHz_TnomVnom	Pass	Inf	25.6M	17.841M	25.625M	17.741M
5240MHz_TnomVnom	Pass	Inf	25.5M	17.816M	24.775M	17.791M
5740MHz_TnomVnom	Pass	500k	16.9M	17.766M	16.875M	17.766M
5790MHz_TnomVnom	Pass	500k	17.025M	17.791M	16.675M	17.766M
5835MHz_TnomVnom	Pass	500k	16.95M	17.741M	17.275M	17.791M
802.11ac VHT30_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5170MHz_TnomVnom	Pass	Inf	37.275M	25.825M	36.188M	25.937M
5200MHz_TnomVnom	Pass	Inf	36.338M	25.862M	36.788M	25.862M
5235MHz_TnomVnom	Pass	Inf	36.713M	25.862M	37.125M	25.825M
5745MHz_TnomVnom	Pass	500k	25.538M	25.9M	25.125M	25.787M
5790MHz_TnomVnom	Pass	500k	25.463M	25.9M	25.538M	25.9M
5830MHz_TnomVnom	Pass	500k	25.538M	25.862M	24M	25.825M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5175MHz_TnomVnom	Pass	Inf	48.2M	36.332M	48.6M	36.282M
5200MHz_TnomVnom	Pass	Inf	48.55M	36.382M	47.45M	36.332M
5230MHz_TnomVnom	Pass	Inf	50.9M	36.432M	48M	36.332M
5750MHz_TnomVnom	Pass	500k	35.9M	36.332M	35.15M	36.232M
5790MHz_TnomVnom	Pass	500k	35.7M	36.282M	35M	36.232M
5825MHz_TnomVnom	Pass	500k	36M	36.282M	35M	36.332M
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	59.813M	44.478M	60.75M	44.54M
5200MHz_TnomVnom	Pass	Inf	59.438M	44.54M	57.938M	44.478M
5225MHz_TnomVnom	Pass	Inf	60.25M	44.54M	58.563M	44.54M
5755MHz_TnomVnom	Pass	500k	43.75M	44.478M	43.063M	44.478M
5790MHz_TnomVnom	Pass	500k	44M	44.603M	44.5M	44.415M
5820MHz_TnomVnom	Pass	500k	43.813M	44.415M	43.063M	44.478M
802.11ac VHT60_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5185MHz_TnomVnom	Pass	Inf	69.675M	52.924M	72.075M	52.999M

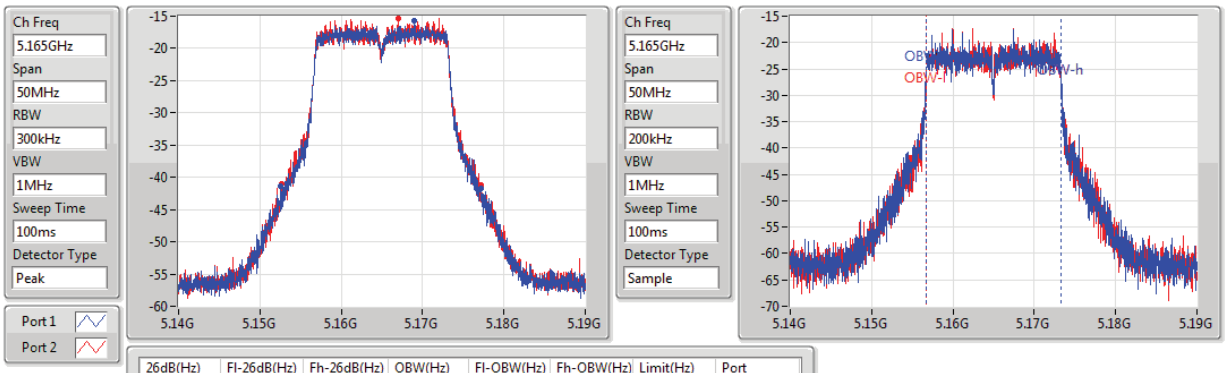
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5200MHz_TnomVnom	Pass	Inf	70.425M	53.073M	68.775M	53.073M
5220MHz_TnomVnom	Pass	Inf	72.525M	52.999M	70.2M	53.073M
5760MHz_TnomVnom	Pass	500k	52.8M	52.999M	52.8M	52.924M
5790MHz_TnomVnom	Pass	500k	52.725M	52.924M	51.9M	52.849M
5815MHz_TnomVnom	Pass	500k	52.8M	52.999M	51.3M	52.999M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	98.1M	75.962M	99.3M	75.962M
5200MHz_TnomVnom	Pass	Inf	97.8M	75.762M	94.4M	75.962M
5210MHz_TnomVnom	Pass	Inf	96.7M	75.962M	97.9M	75.962M
5770MHz_TnomVnom	Pass	500k	75M	75.862M	70.7M	75.962M
5790MHz_TnomVnom	Pass	500k	71.3M	75.762M	72.6M	75.862M
5805MHz_TnomVnom	Pass	500k	75M	75.762M	75M	75.862M

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

802.11a_Nss1,(6Mbps)_2TX EBW

5165MHz

24/08/2018

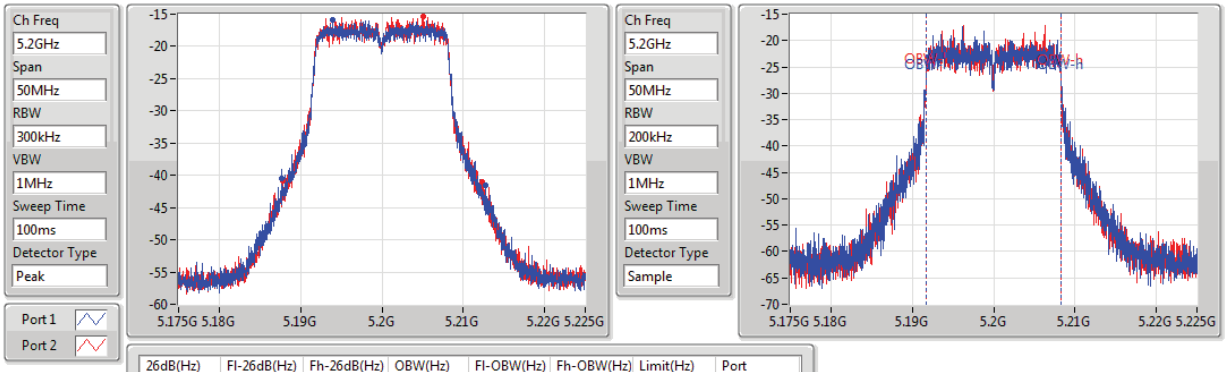


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.55M	5.1526G	5.17715G	16.642M	5.156679G	5.173321G	Inf	1
24.525M	5.152625G	5.17715G	16.617M	5.156679G	5.173296G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

24/08/2018

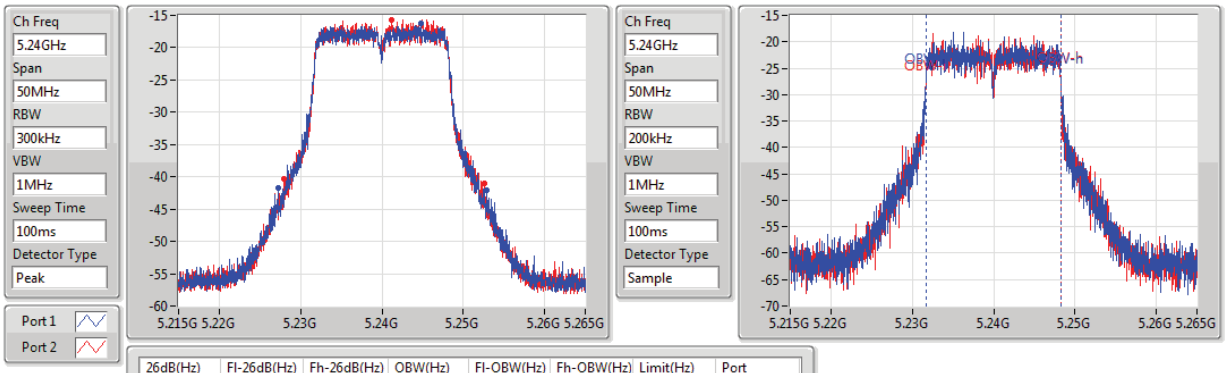


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.1M	5.187675G	5.212775G	16.667M	5.191654G	5.208321G	Inf	1
24.475M	5.18785G	5.212325G	16.592M	5.191679G	5.208271G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

24/08/2018

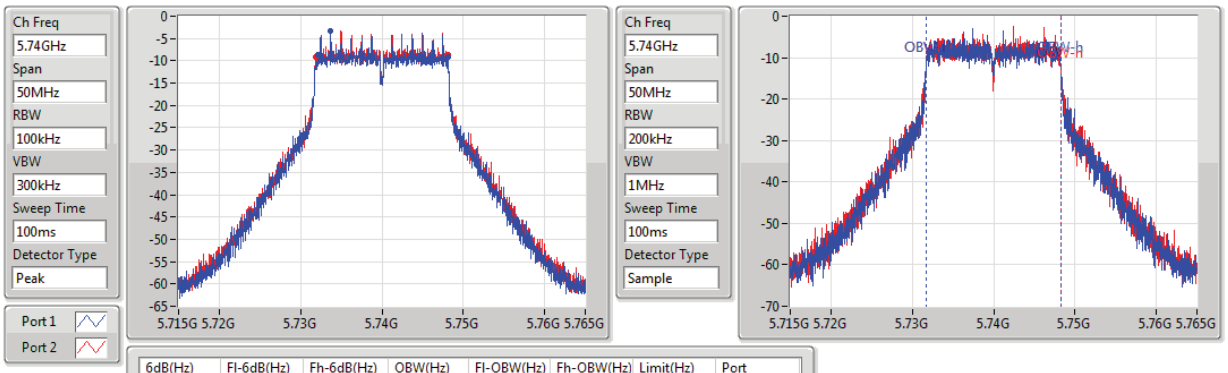


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.6M	5.227225G	5.25285G	16.667M	5.231654G	5.248321G	Inf	1
24.675M	5.227925G	5.2526G	16.592M	5.231679G	5.248271G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5740MHz

24/08/2018

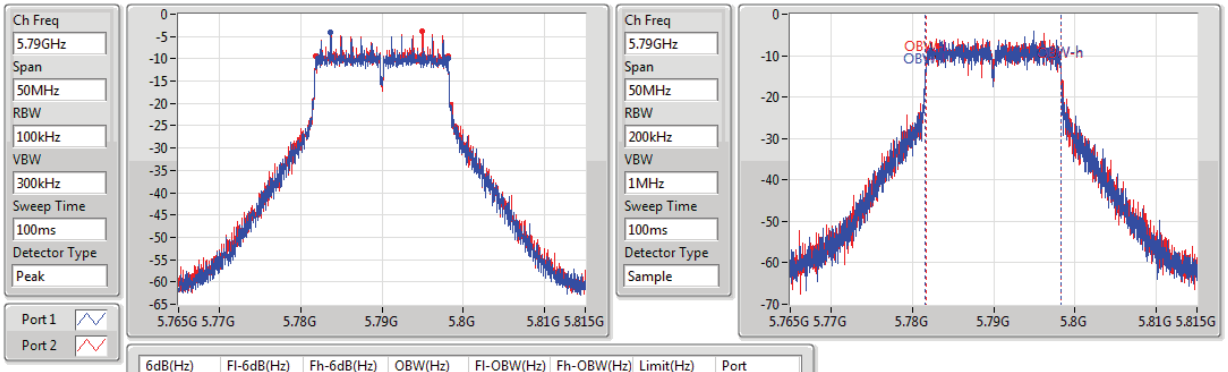


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16M	5.732125G	5.748125G	16.642M	5.731654G	5.748296G	500k	1
16.3M	5.731825G	5.748125G	16.642M	5.731654G	5.748296G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5790MHz

24/08/2018

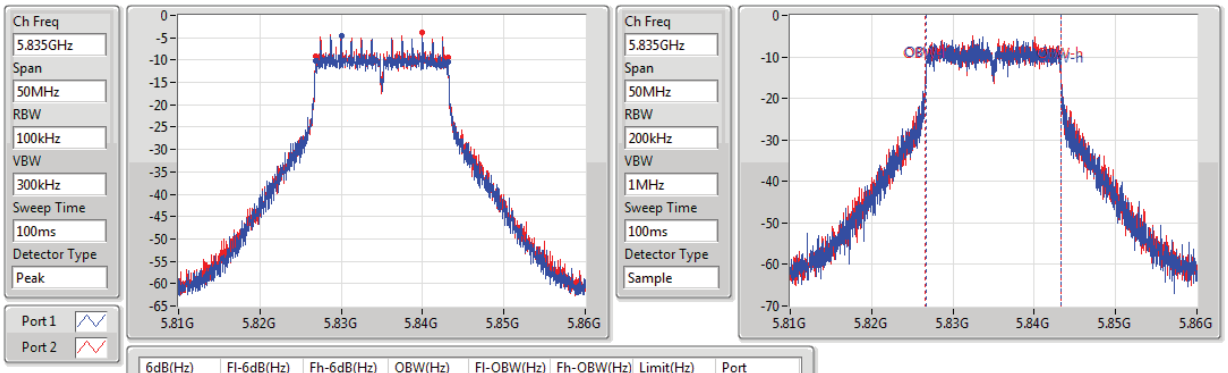


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	5.782075G	5.798125G	16.642M	5.781629G	5.798271G	500k	1
16.325M	5.781825G	5.79815G	16.642M	5.781654G	5.798296G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5835MHz

24/08/2018

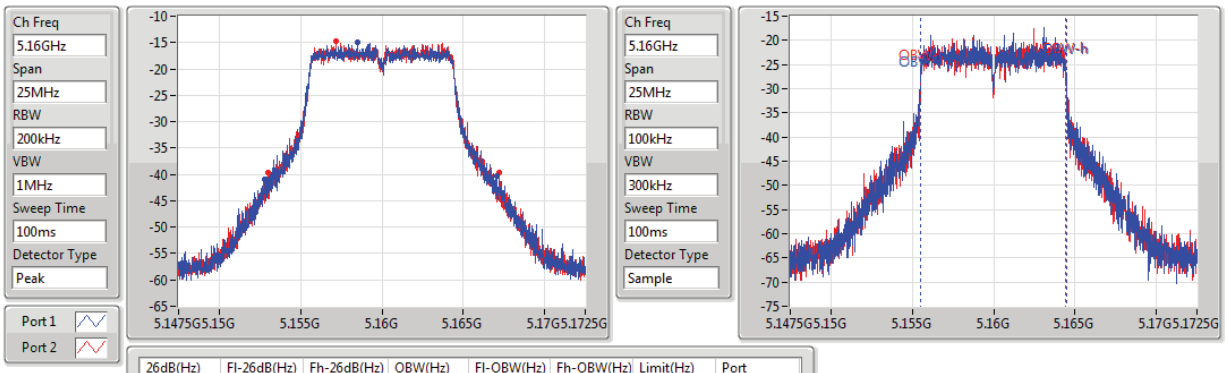


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.82685G	5.843125G	16.617M	5.826654G	5.843271G	500k	1
16.275M	5.82685G	5.843125G	16.642M	5.826629G	5.843271G	500k	2

802.11ac VHT10_Nss1,(MCS0)_2TX EBW

5160MHz

24/08/2018

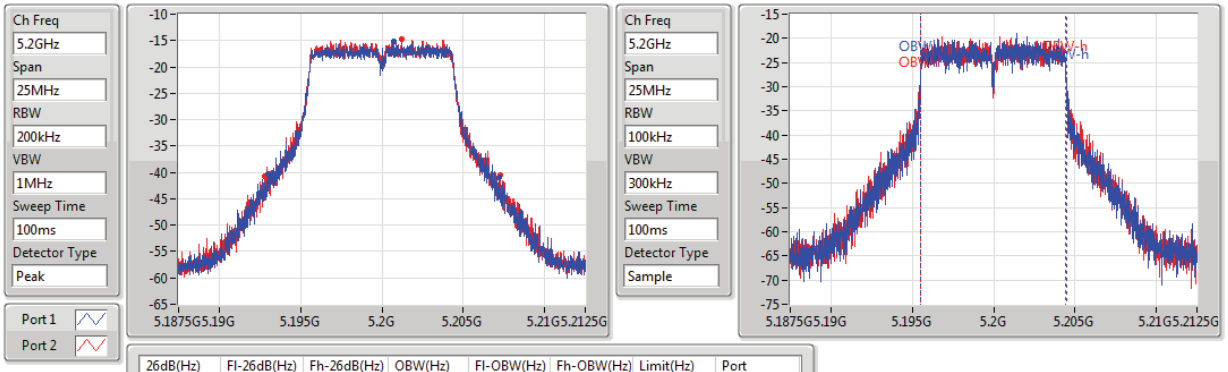


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.225M	5.152825G	5.16705G	8.983M	5.15549G	5.164473G	Inf	1
14.213M	5.153G	5.167213G	8.933M	5.155515G	5.164448G	Inf	2

802.11ac VHT10_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

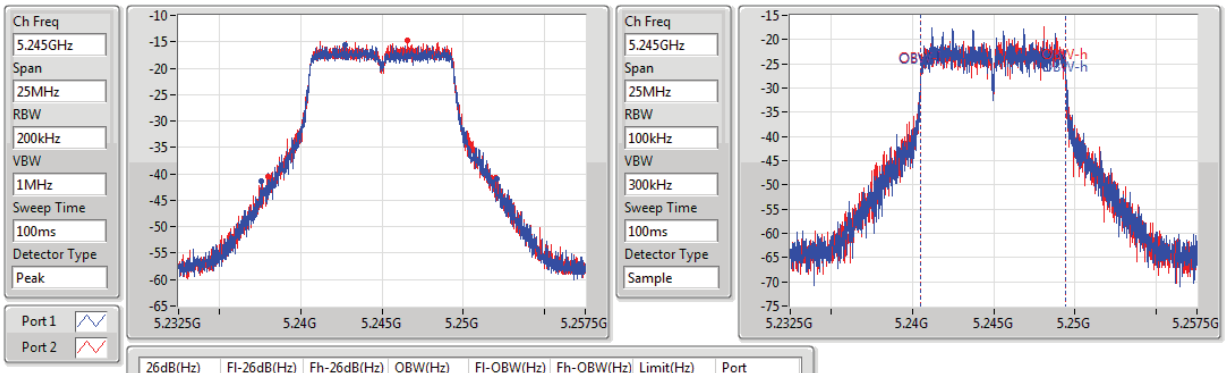


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.238M	5.193G	5.207238G	8.946M	5.195515G	5.20446G	Inf	1
14.45M	5.1928G	5.20725G	8.958M	5.19549G	5.204448G	Inf	2

802.11ac VHT10_Nss1,(MCS0)_2TX EBW

5245MHz

24/08/2018

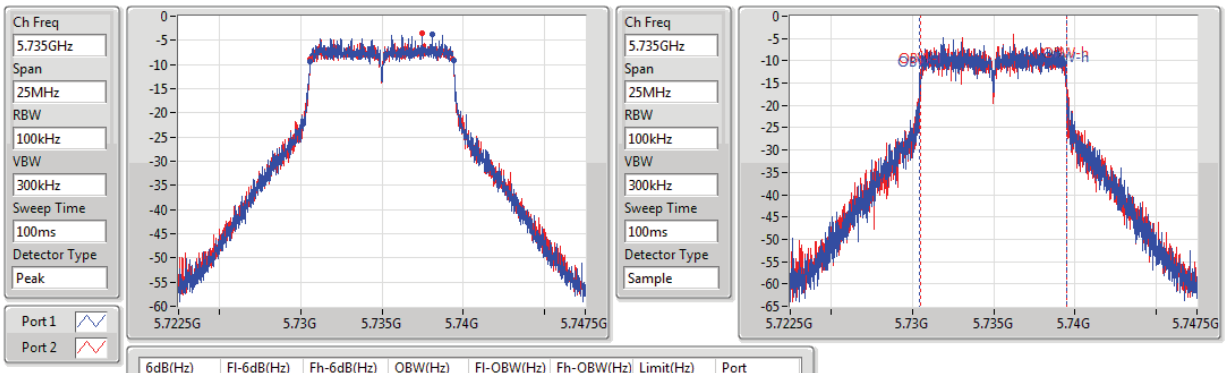


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.488M	5.237588G	5.252075G	8.933M	5.240515G	5.249448G	Inf	1
13.963M	5.238025G	5.251988G	8.946M	5.240502G	5.249448G	Inf	2

802.11ac VHT10_Nss1,(MCS0)_2TX EBW

5735MHz

24/08/2018

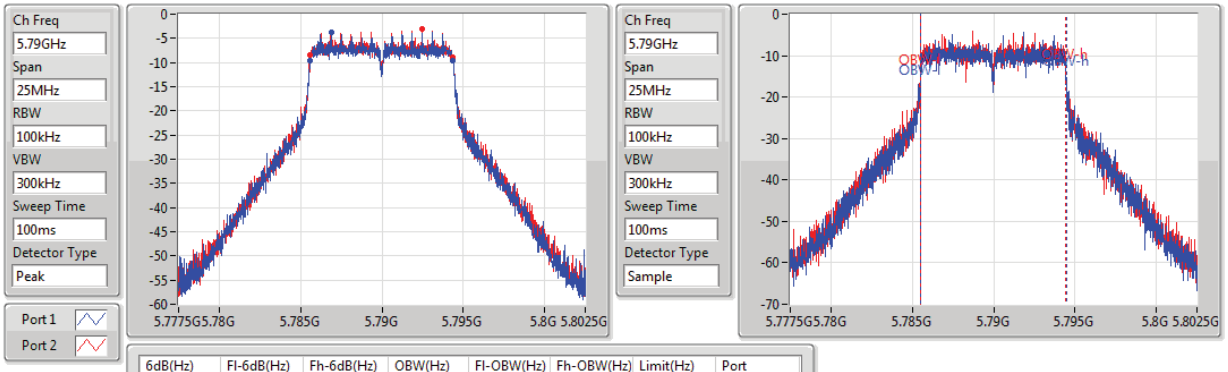


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.8M	5.730588G	5.739388G	9.008M	5.730465G	5.739473G	500k	1
8.8M	5.730575G	5.739375G	8.983M	5.730477G	5.73946G	500k	2

802.11ac VHT10_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

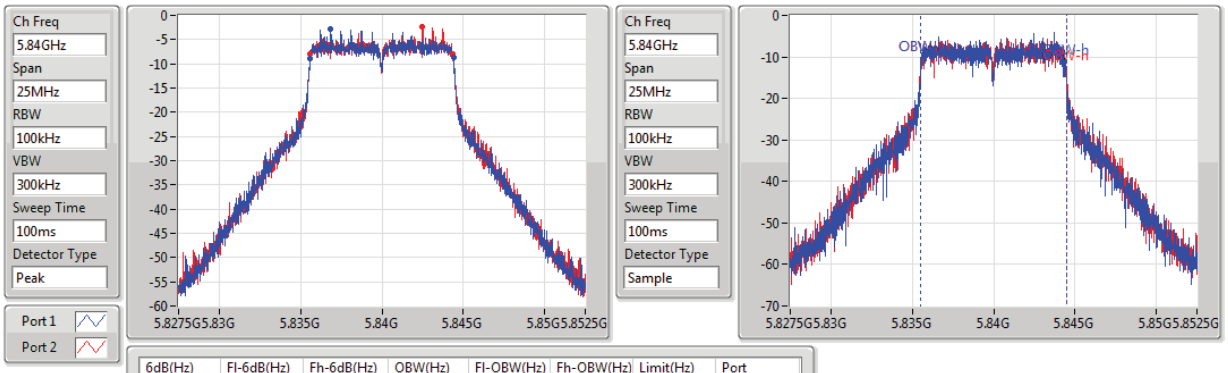


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.8M	5.785575G	5.794375G	8.971M	5.78549G	5.79446G	500k	1
8.788M	5.785588G	5.794375G	8.946M	5.78549G	5.794435G	500k	2

802.11ac VHT10_Nss1,(MCS0)_2TX EBW

5840MHz

24/08/2018

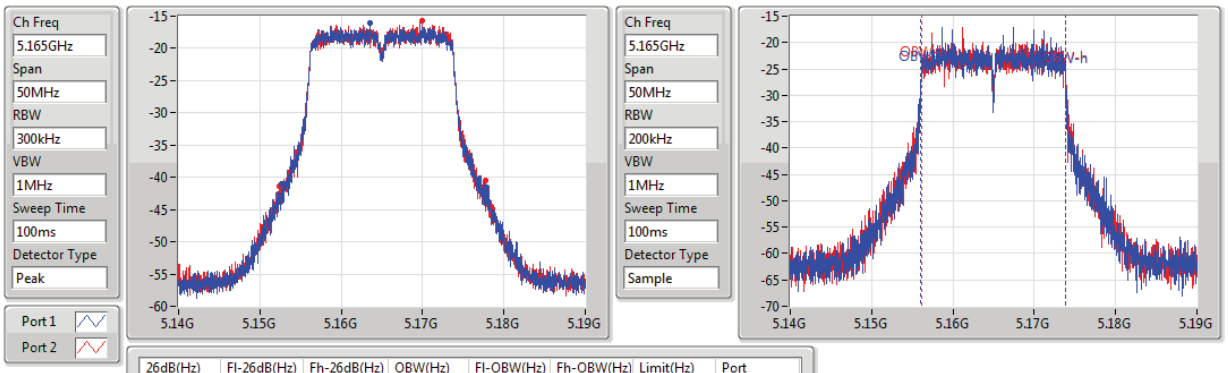


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.8M	5.835588G	5.844388G	8.958M	5.835502G	5.84446G	500k	1
8.775M	5.835588G	5.844363G	8.971M	5.83549G	5.84446G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5165MHz

24/08/2018

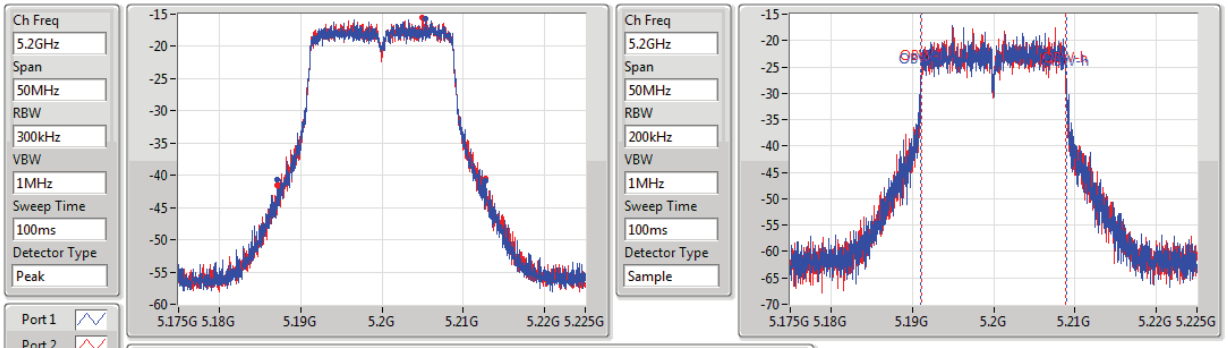


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.175M	5.15265G	5.177825G	17.766M	5.156079G	5.173846G	Inf	1
25.425M	5.15235G	5.177775G	17.741M	5.156104G	5.173846G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

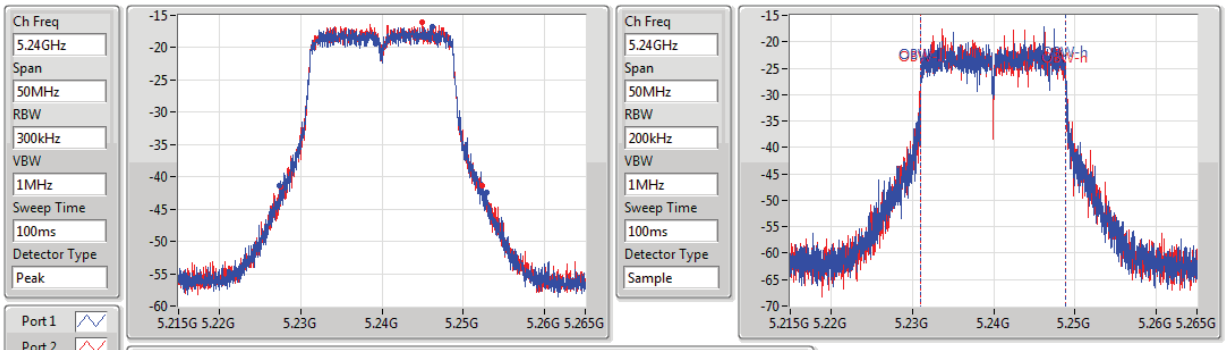


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.6M	5.187125G	5.212725G	17.841M	5.191079G	5.208921G	Inf	1
25.625M	5.187125G	5.21275G	17.741M	5.191104G	5.208846G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

24/08/2018

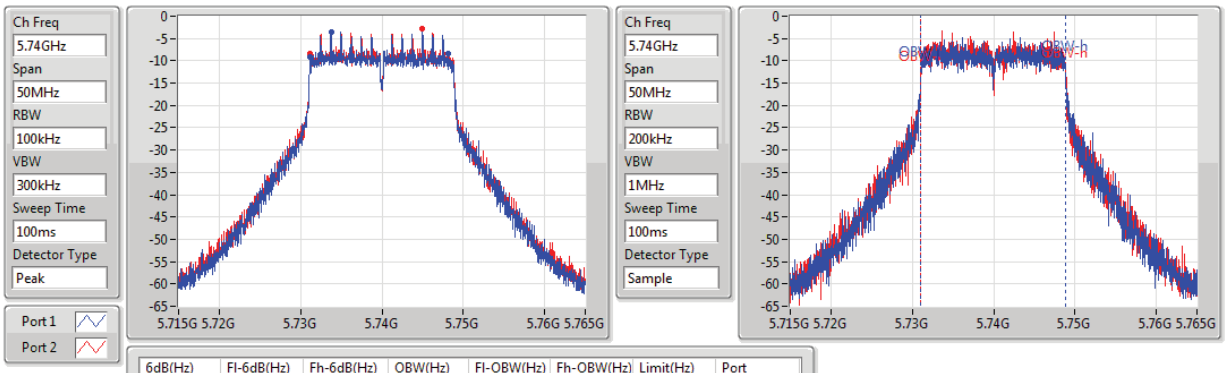


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.5M	5.2274G	5.2529G	17.816M	5.231079G	5.248896G	Inf	1
24.775M	5.2276G	5.252375G	17.791M	5.231079G	5.248871G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5740MHz

24/08/2018

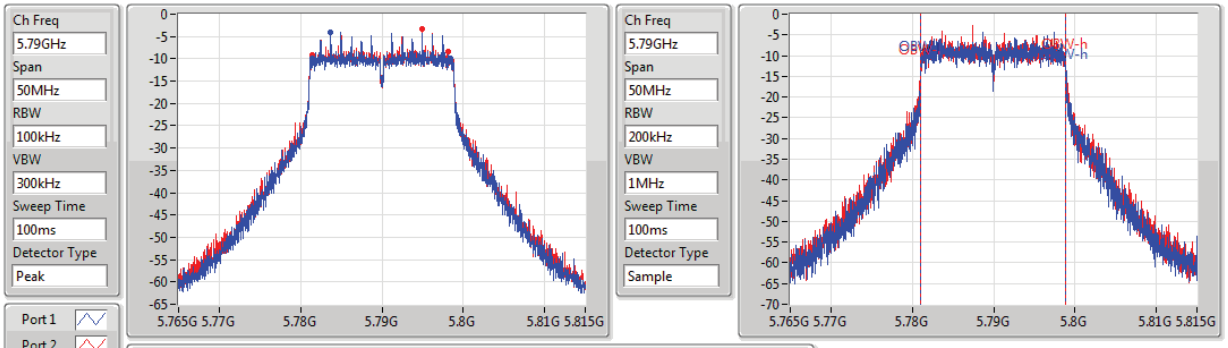


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.9M	5.731225G	5.748125G	17.766M	5.731079G	5.748846G	500k	1
16.875M	5.731225G	5.7481G	17.766M	5.731079G	5.748846G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

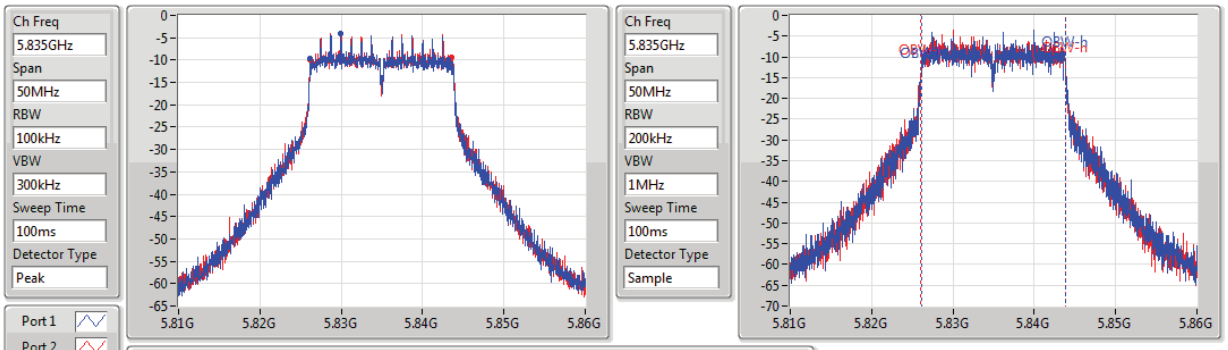


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.025M	5.78145G	5.798475G	17.791M	5.781079G	5.798871G	500k	1
16.675M	5.78145G	5.798125G	17.766M	5.781079G	5.798846G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5835MHz

24/08/2018

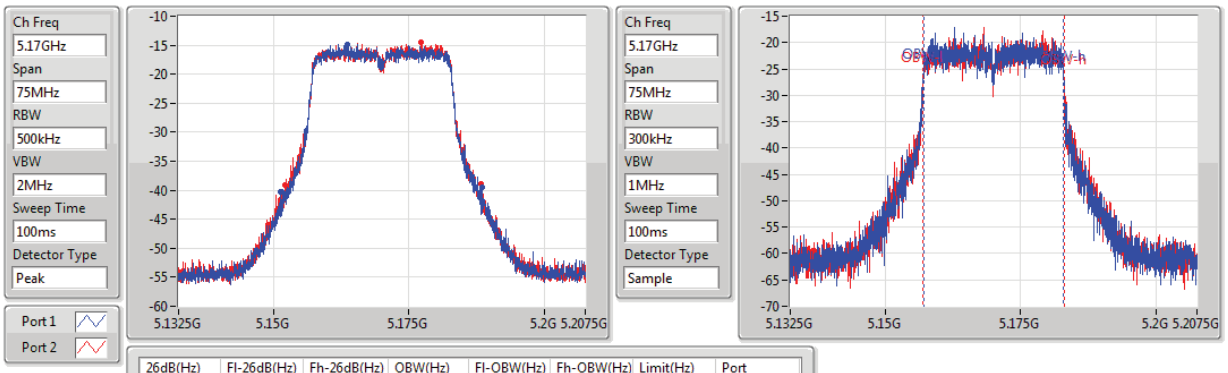


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.95M	5.8262G	5.84315G	17.741M	5.826104G	5.843846G	500k	1
17.275M	5.826225G	5.8435G	17.791M	5.826054G	5.843846G	500k	2

802.11ac VHT30_Nss1,(MCS0)_2TX EBW

5170MHz

24/08/2018

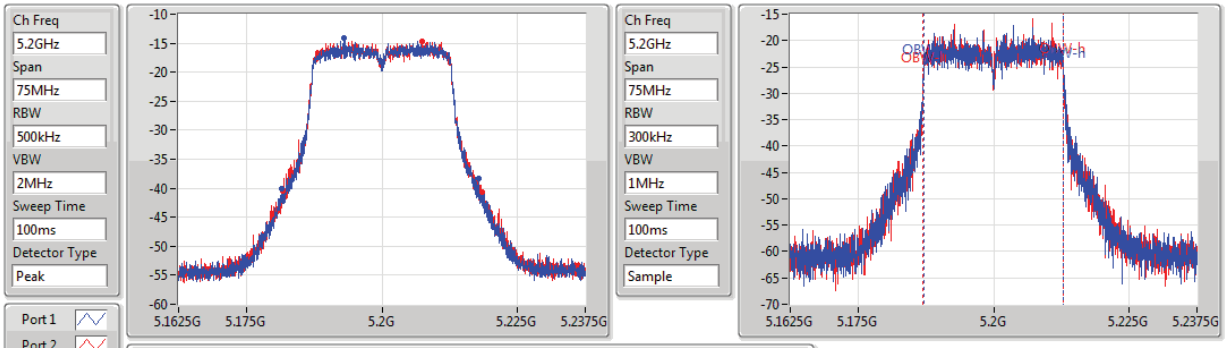


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.275M	5.15125G	5.188525G	25.825M	5.157069G	5.182894G	Inf	1
36.188M	5.152075G	5.188263G	25.937M	5.157031G	5.182969G	Inf	2

802.11ac VHT30_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

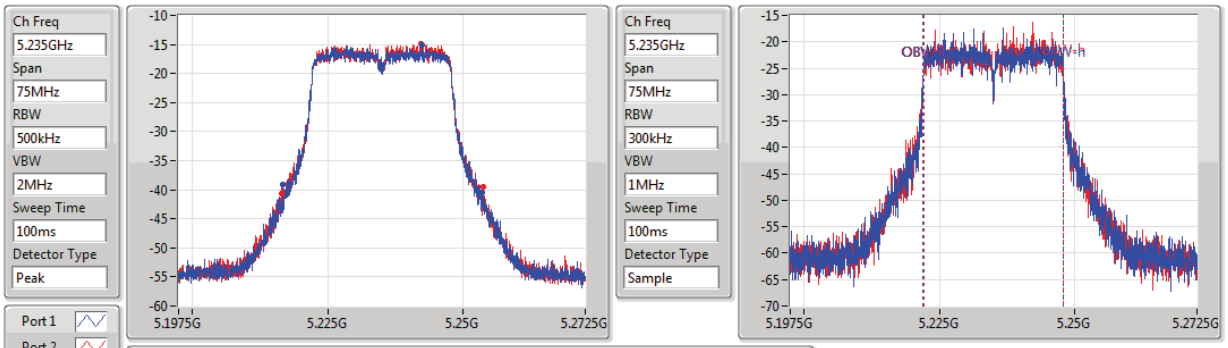


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.338M	5.181513G	5.21785G	25.862M	5.187069G	5.212931G	Inf	1
36.788M	5.181625G	5.218413G	25.862M	5.187031G	5.212894G	Inf	2

802.11ac VHT30_Nss1,(MCS0)_2TX EBW

5235MHz

24/08/2018

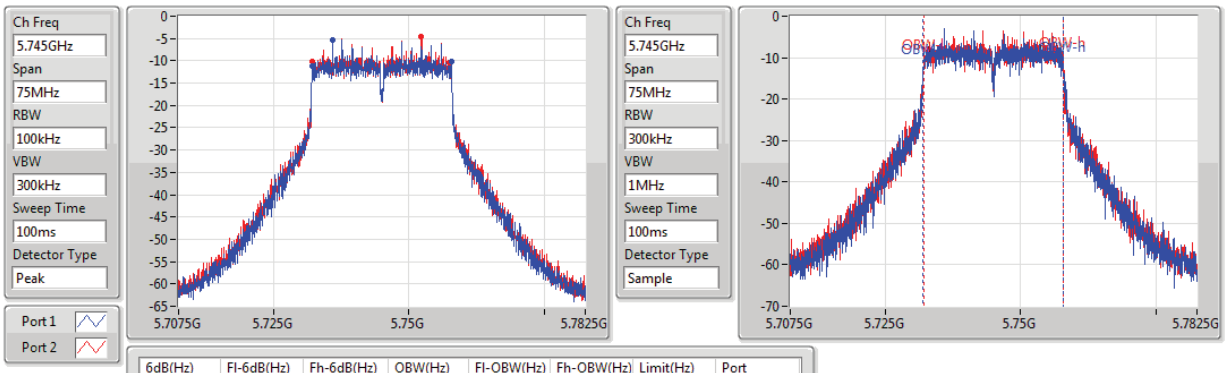


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.713M	5.216813G	5.253525G	25.862M	5.222031G	5.247894G	Inf	1
37.125M	5.216475G	5.2536G	25.825M	5.222069G	5.247894G	Inf	2

802.11ac VHT30_Nss1,(MCS0)_2TX EBW

5745MHz

24/08/2018

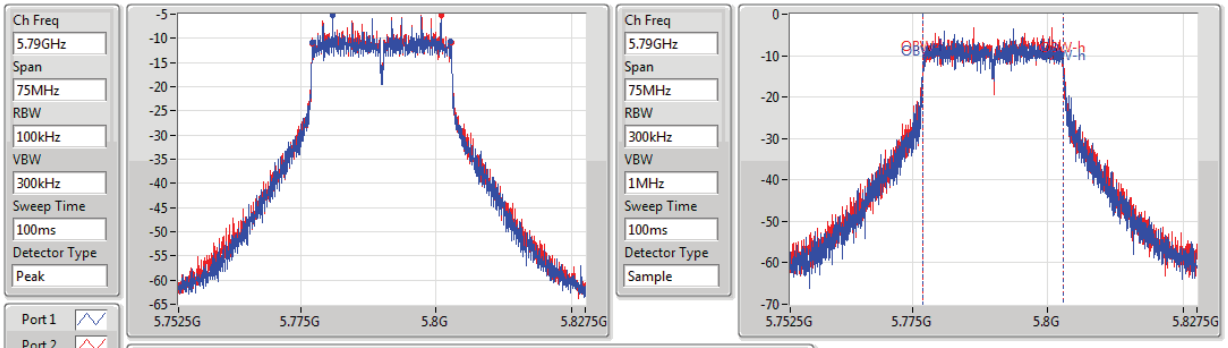


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.538M	5.732213G	5.75775G	25.9M	5.732031G	5.757931G	500k	1
25.125M	5.73225G	5.757375G	25.787M	5.732069G	5.757856G	500k	2

802.11ac VHT30_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

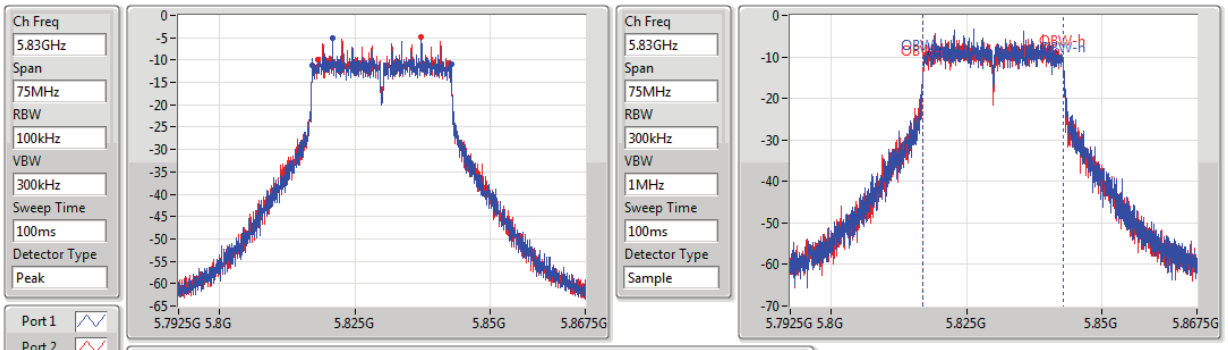


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.463M	5.77725G	5.802713G	25.9M	5.777031G	5.802931G	500k	1
25.538M	5.777213G	5.80275G	25.9M	5.776994G	5.802894G	500k	2

802.11ac VHT30_Nss1,(MCS0)_2TX EBW

5830MHz

24/08/2018

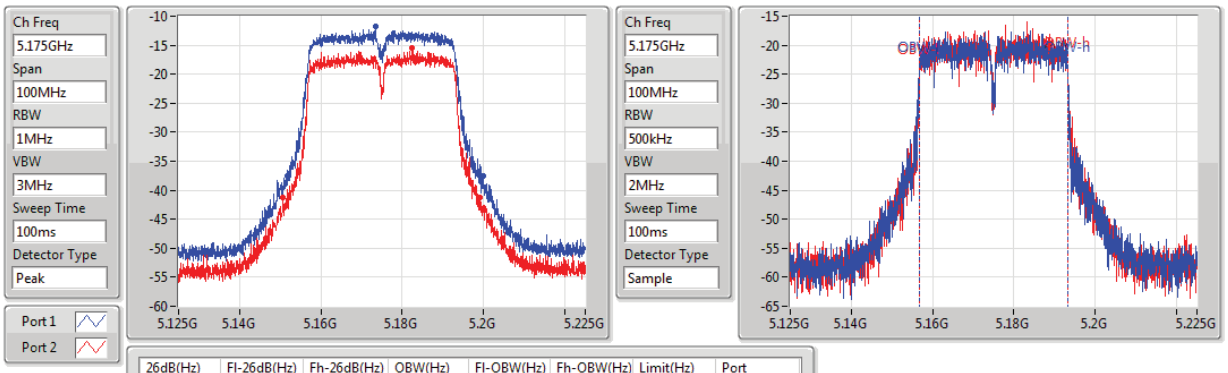


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.538M	5.817213G	5.84275G	25.862M	5.817031G	5.842894G	500k	1
24M	5.81815G	5.84215G	25.825M	5.817031G	5.842856G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5175MHz

24/08/2018

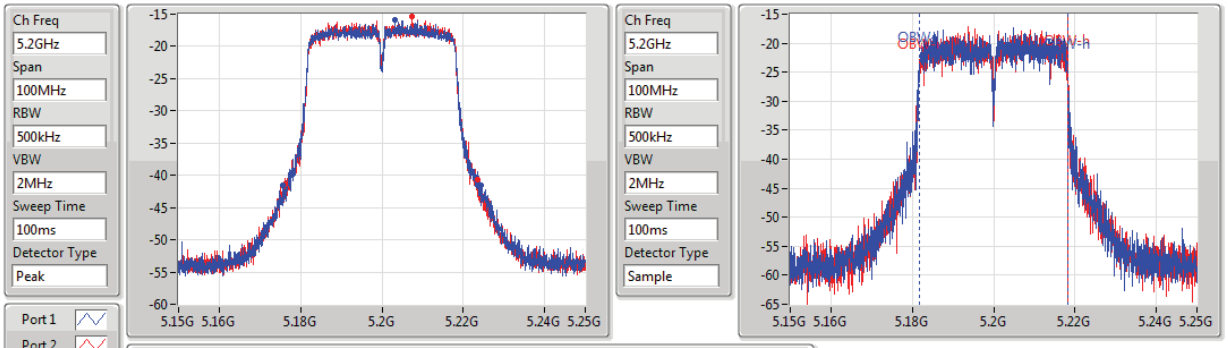


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.2M	5.15175G	5.19995G	36.332M	5.156809G	5.193141G	Inf	1
48.6M	5.1506G	5.1992G	36.282M	5.156859G	5.193141G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

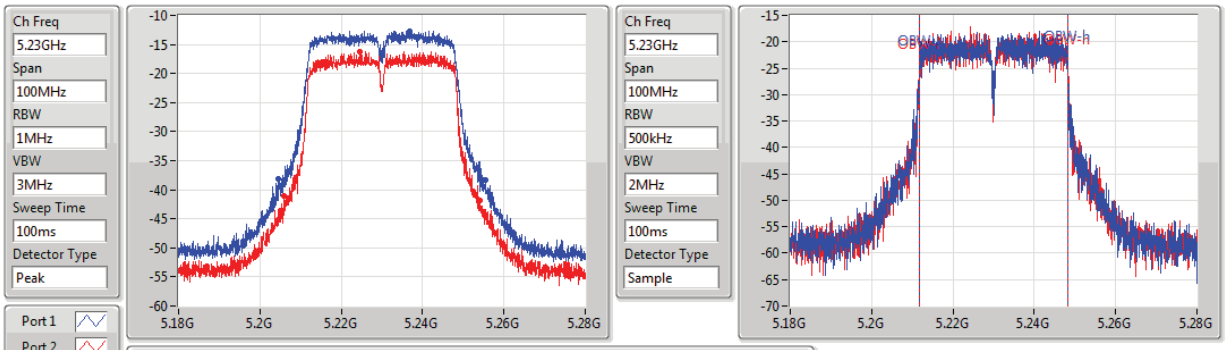


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.55M	5.17575G	5.2243G	36.382M	5.181759G	5.218141G	Inf	1
47.45M	5.17615G	5.2236G	36.332M	5.181809G	5.218141G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

24/08/2018

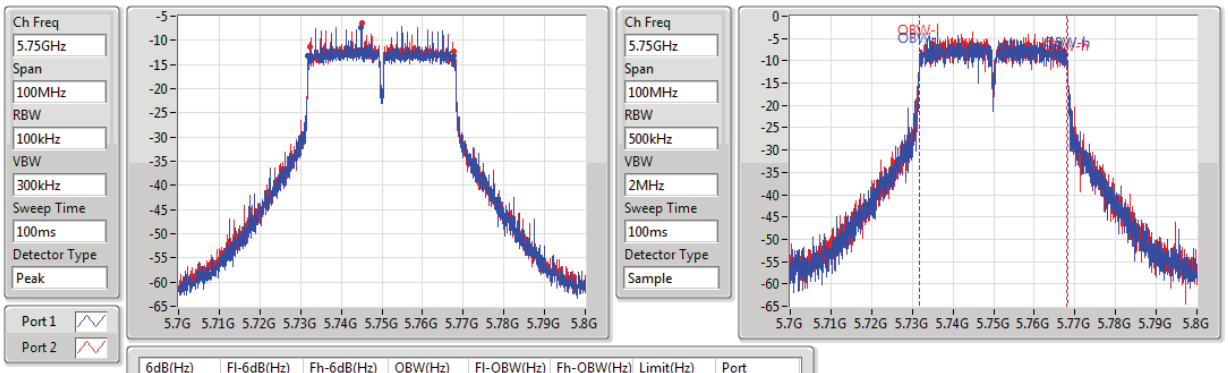


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
50.9M	5.20455G	5.25545G	36.432M	5.211759G	5.248191G	Inf	1
48M	5.206G	5.254G	36.332M	5.211809G	5.248141G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5750MHz

24/08/2018

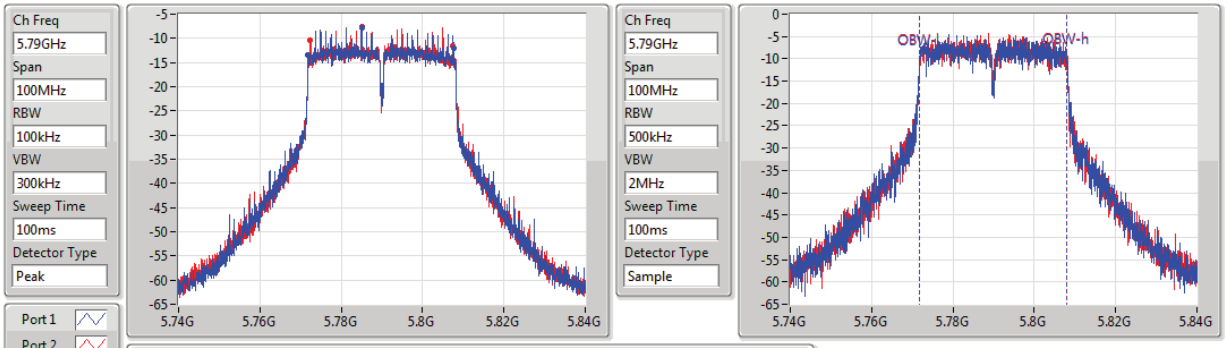


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.9M	5.73185G	5.76775G	36.332M	5.731809G	5.768141G	500k	1
35.15M	5.7324G	5.76755G	36.232M	5.731809G	5.768041G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

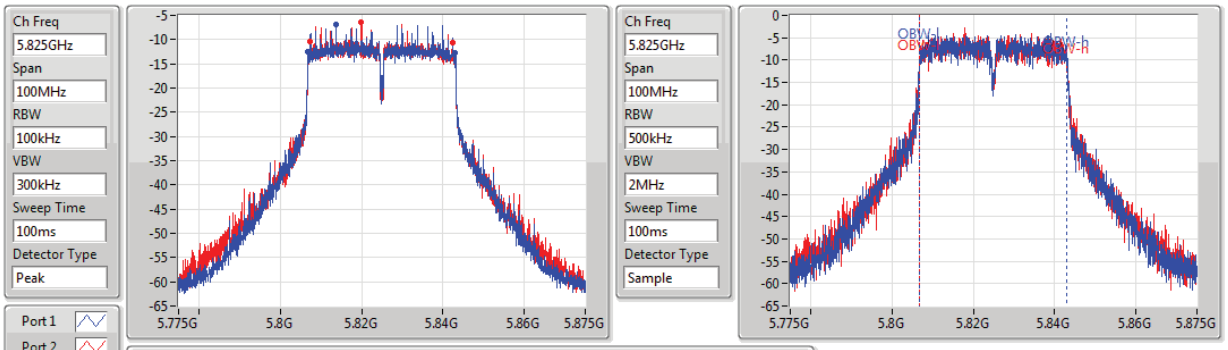


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	5.77185G	5.80755G	36.282M	5.771809G	5.808091G	500k	1
35M	5.77245G	5.80745G	36.232M	5.771809G	5.808041G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5825MHz

24/08/2018

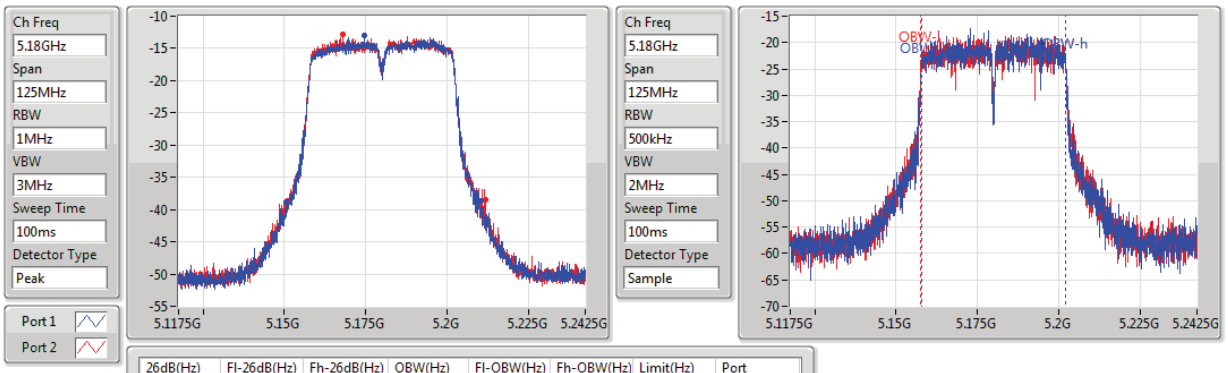


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36M	5.80685G	5.84285G	36.282M	5.806809G	5.843091G	500k	1
35M	5.80745G	5.84245G	36.332M	5.806759G	5.843091G	500k	2

802.11ac VHT50_Nss1,(MCS0)_2TX EBW

5180MHz

24/08/2018

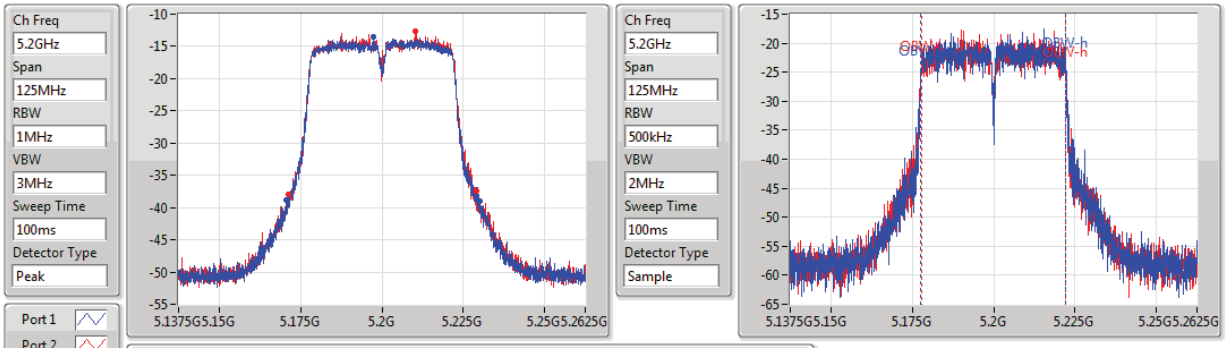


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
59.813M	5.150688G	5.2105G	44.478M	5.157761G	5.202239G	Inf	1
60.75M	5.151063G	5.211813G	44.54M	5.157699G	5.202239G	Inf	2

802.11ac VHT50_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

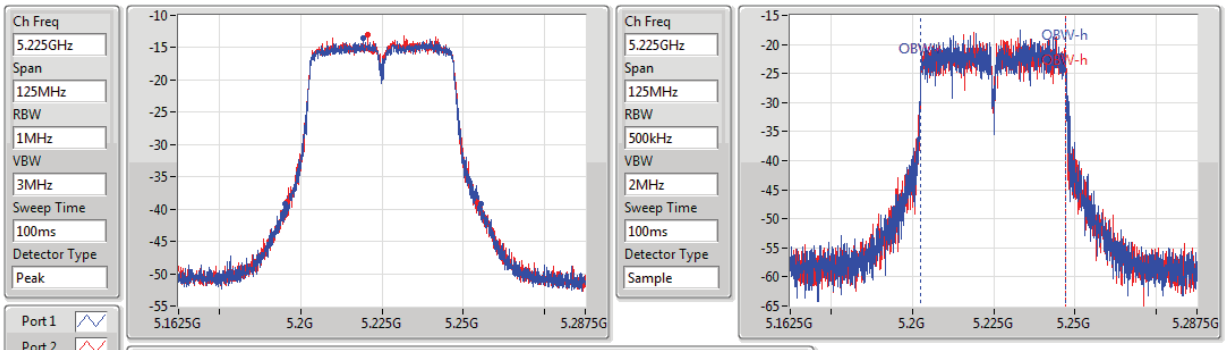


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
59.438M	5.170688G	5.230125G	44.54M	5.177699G	5.222239G	Inf	1
57.938M	5.171188G	5.229125G	44.478M	5.177761G	5.222239G	Inf	2

802.11ac VHT50_Nss1,(MCS0)_2TX EBW

5225MHz

24/08/2018

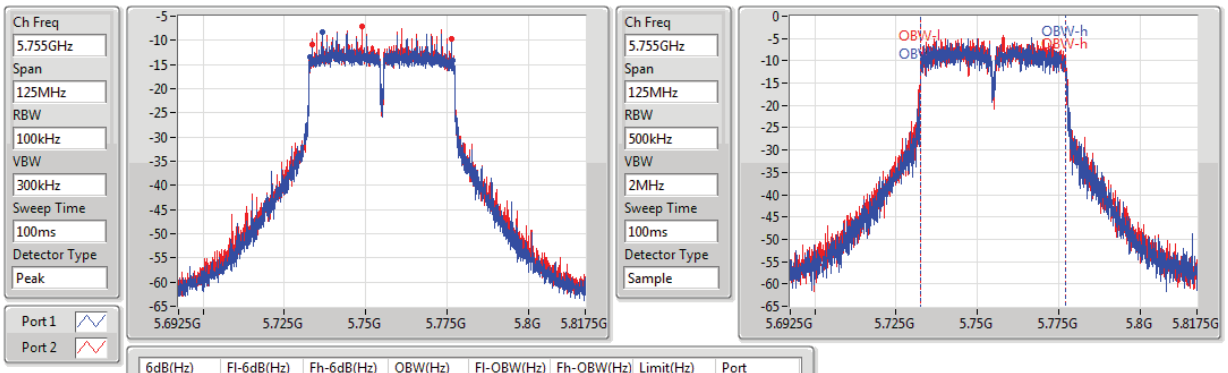


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
60.25M	5.195125G	5.255375G	44.54M	5.202699G	5.247239G	Inf	1
58.563M	5.195875G	5.254438G	44.54M	5.202699G	5.247239G	Inf	2

802.11ac VHT50_Nss1,(MCS0)_2TX EBW

5755MHz

24/08/2018

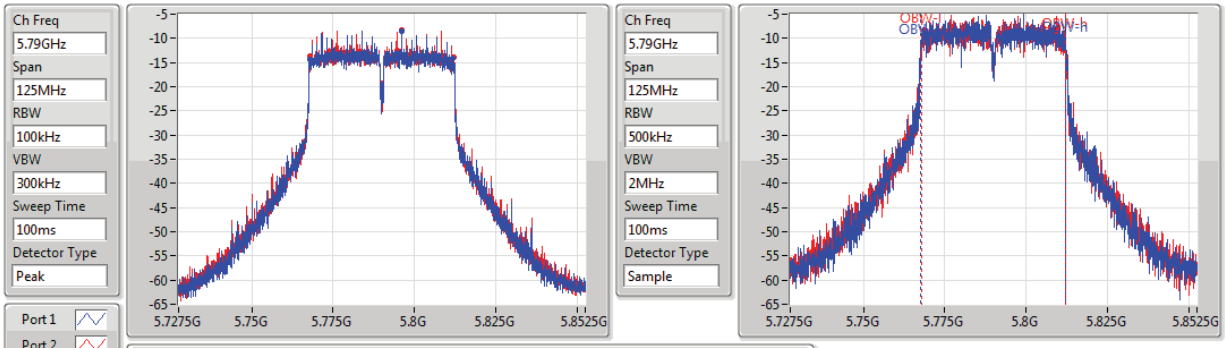


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.75M	5.733063G	5.776813G	44.478M	5.732699G	5.777176G	500k	1
43.063M	5.733438G	5.7765G	44.478M	5.732699G	5.777176G	500k	2

802.11ac VHT50_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

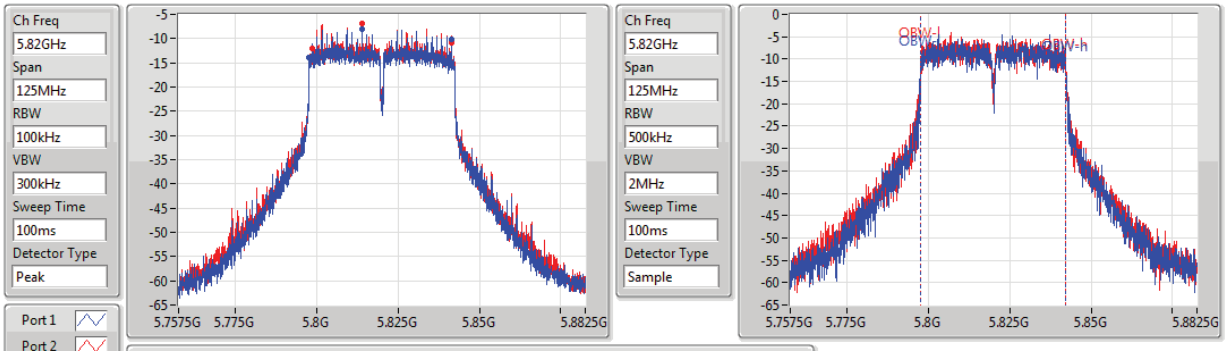


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44M	5.76775G	5.81175G	44.603M	5.767636G	5.812239G	500k	1
44.5M	5.76775G	5.81225G	44.415M	5.767761G	5.812176G	500k	2

802.11ac VHT50_Nss1,(MCS0)_2TX EBW

5820MHz

24/08/2018

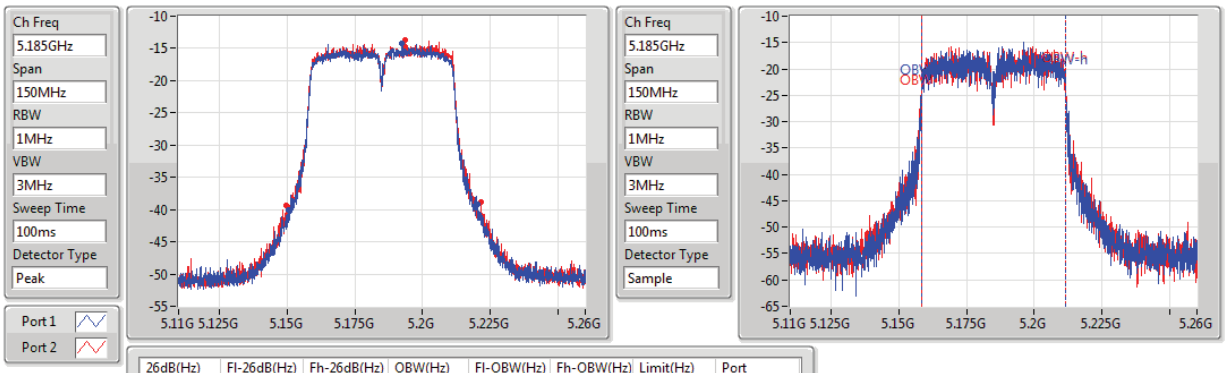


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.813M	5.797688G	5.8415G	44.415M	5.797699G	5.842114G	500k	1
43.063M	5.798438G	5.8415G	44.478M	5.797636G	5.842114G	500k	2

802.11ac VHT60_Nss1,(MCS0)_2TX EBW

5185MHz

24/08/2018

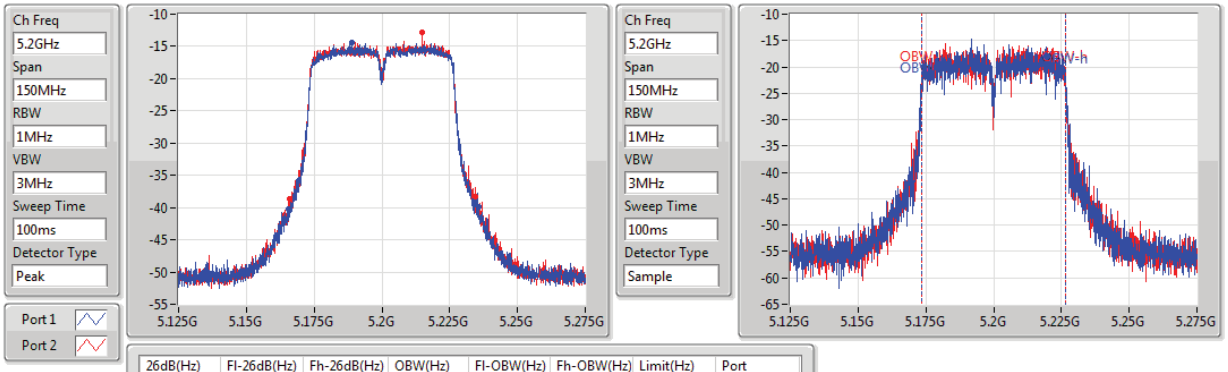


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
69.675M	5.150575G	5.22025G	52.924M	5.158538G	5.211462G	Inf	1
72.075M	5.149525G	5.2216G	52.999M	5.158538G	5.211537G	Inf	2

802.11ac VHT60_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

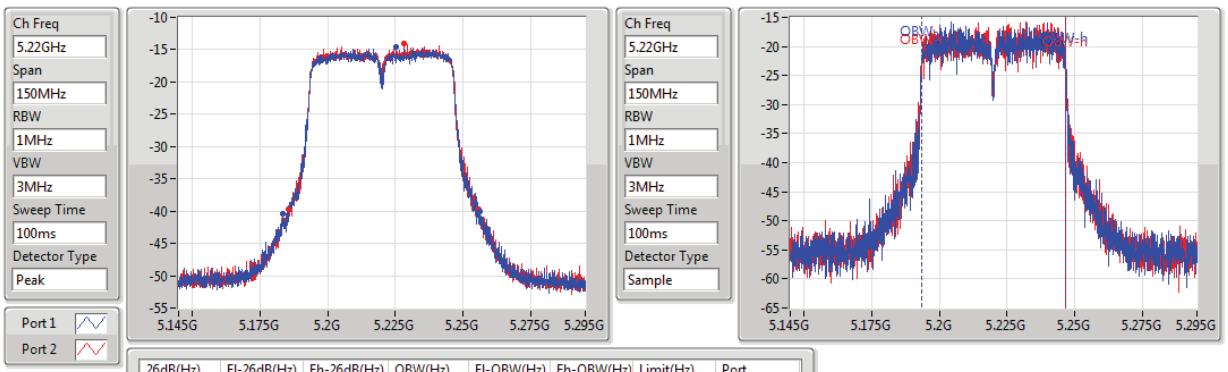


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
70.425M	5.16535G	5.235775G	53.073M	5.173463G	5.226537G	Inf	1
68.775M	5.165875G	5.23465G	53.073M	5.173463G	5.226537G	Inf	2

802.11ac VHT60_Nss1,(MCS0)_2TX EBW

5220MHz

24/08/2018

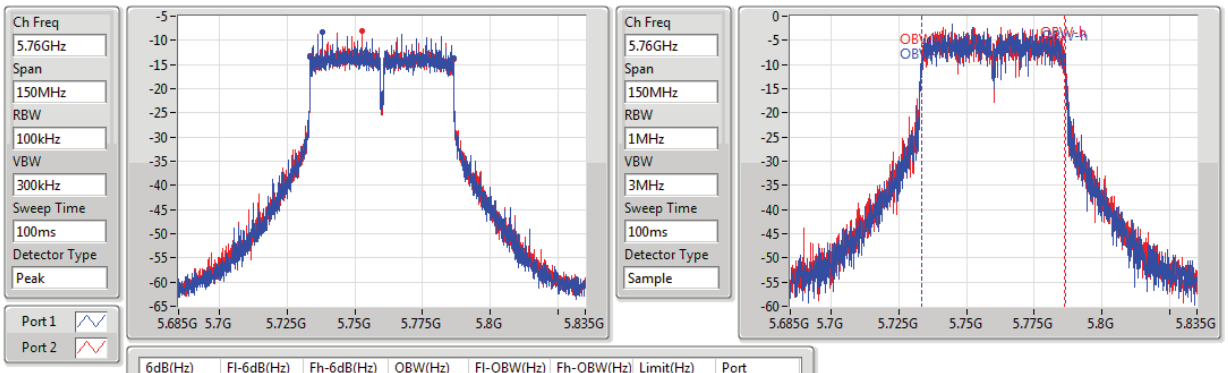


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
72.525M	5.18355G	5.256075G	52.999M	5.193538G	5.246537G	Inf	1
70.2M	5.18535G	5.25555G	53.073M	5.193388G	5.246462G	Inf	2

802.11ac VHT60_Nss1,(MCS0)_2TX EBW

5760MHz

24/08/2018

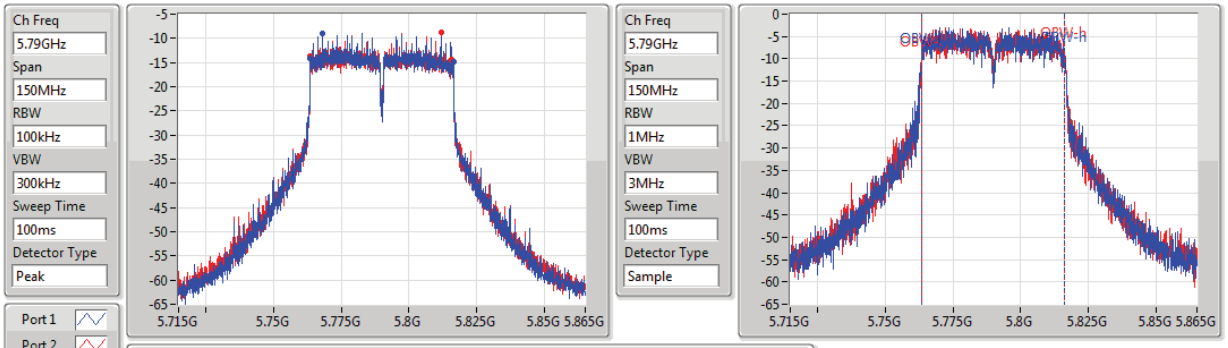


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
52.8M	5.7336G	5.7864G	52.999M	5.733388G	5.786387G	500k	1
52.8M	5.7336G	5.7864G	52.924M	5.733388G	5.786312G	500k	2

802.11ac VHT60_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

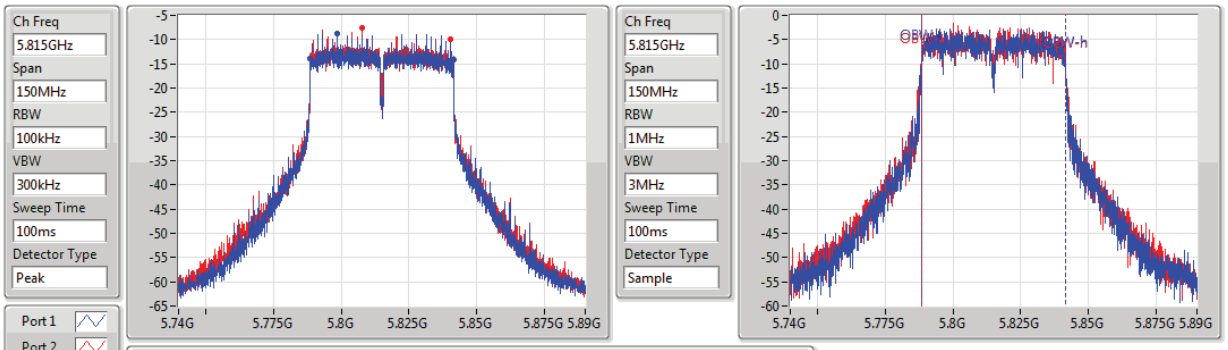


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
52.725M	5.7636G	5.816325G	52.924M	5.763388G	5.816312G	500k	1
51.9M	5.7636G	5.8155G	52.849M	5.763463G	5.816312G	500k	2

802.11ac VHT60_Nss1,(MCS0)_2TX EBW

5815MHz

24/08/2018

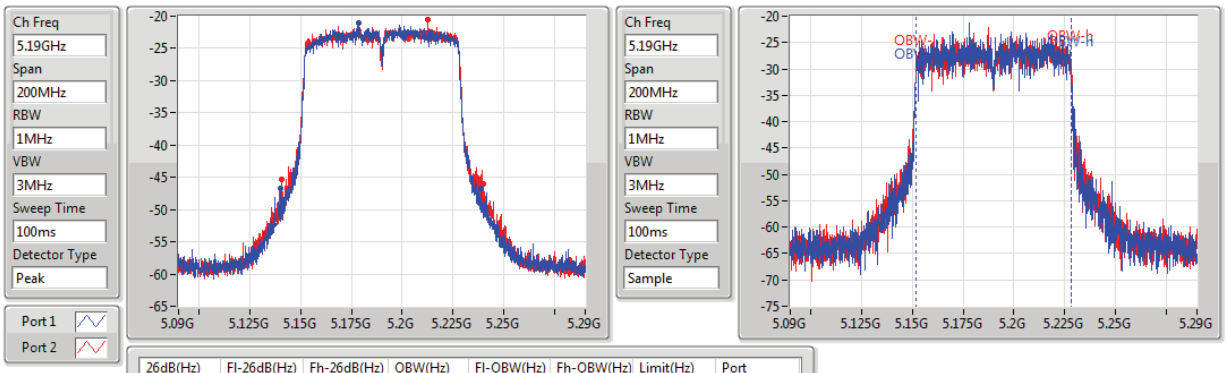


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
52.8M	5.7886G	5.8414G	52.999M	5.788388G	5.841387G	500k	1
51.3M	5.789125G	5.840425G	52.999M	5.788388G	5.841387G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5190MHz

24/08/2018

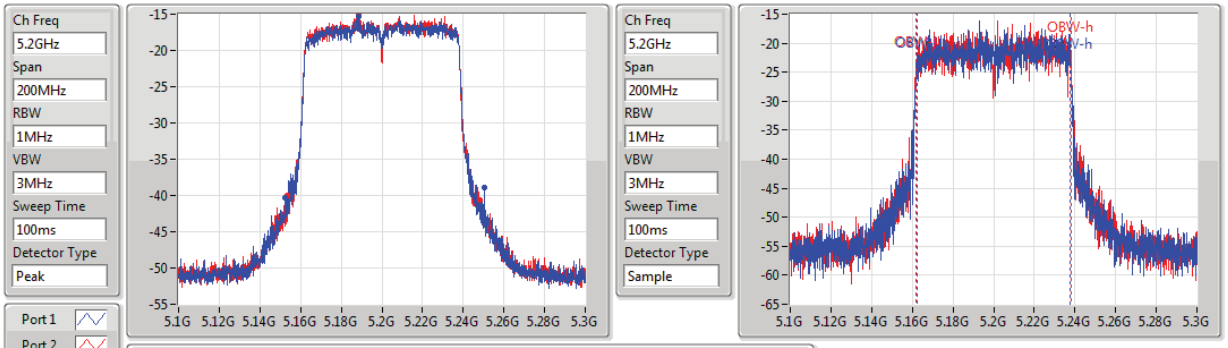


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
98.1M	5.1404G	5.2385G	75.962M	5.152019G	5.227981G	Inf	1
99.3M	5.1405G	5.2398G	75.962M	5.152019G	5.227981G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

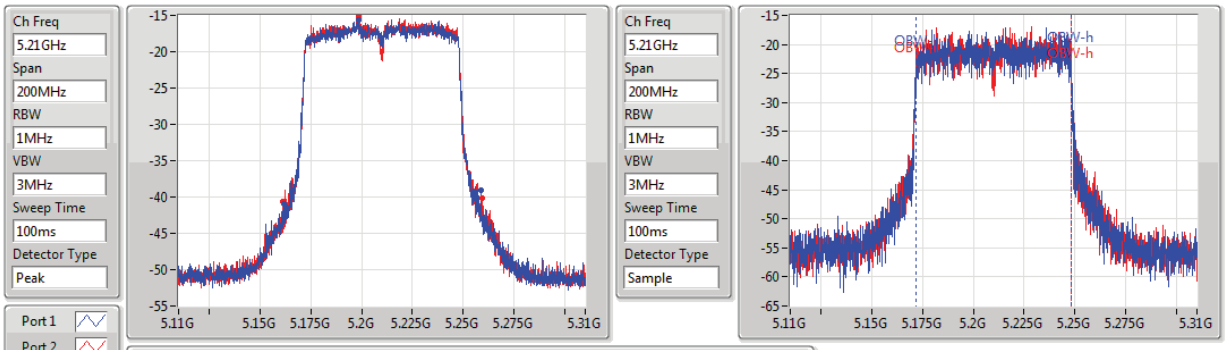


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
97.8M	5.1524G	5.2502G	75.762M	5.162119G	5.237881G	Inf	1
94.4M	5.1536G	5.248G	75.962M	5.162019G	5.237981G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

24/08/2018

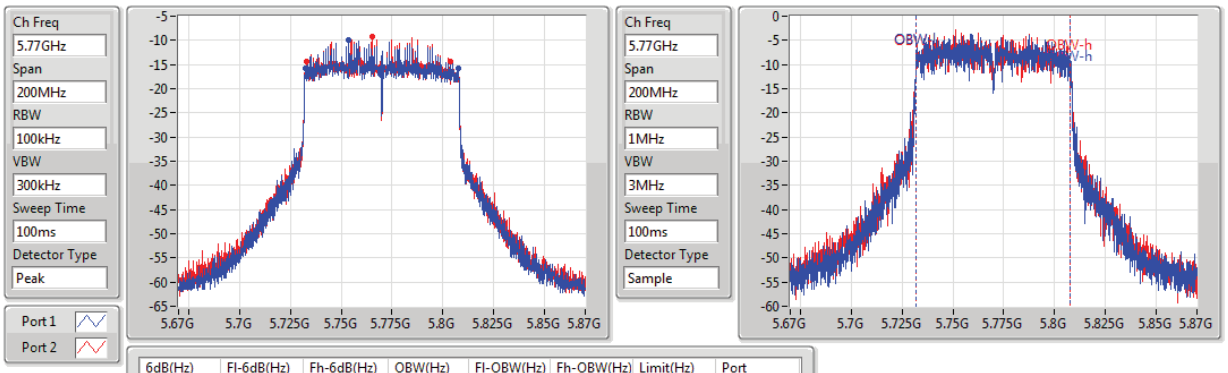


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
96.7M	5.1619G	5.2586G	75.962M	5.172019G	5.247981G	Inf	1
97.9M	5.1613G	5.2592G	75.962M	5.172019G	5.247981G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5770MHz

24/08/2018

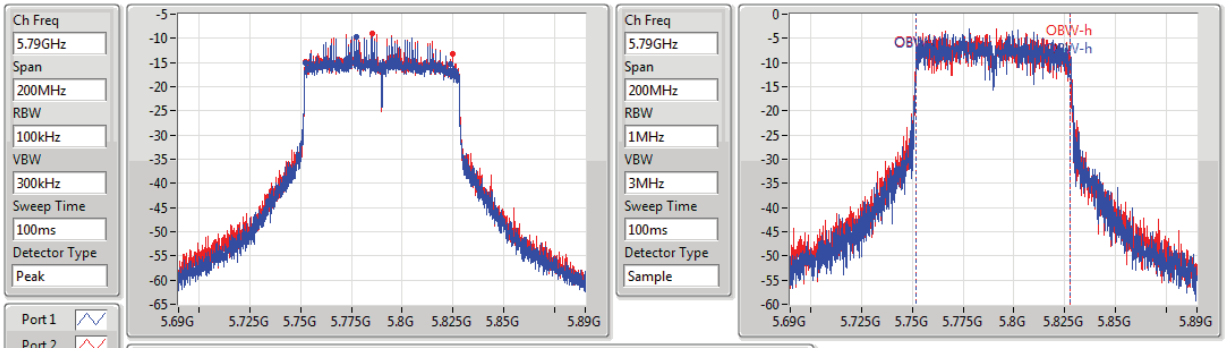


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75M	5.7325G	5.8075G	75.862M	5.731919G	5.807781G	500k	1
70.7M	5.7331G	5.8038G	75.962M	5.731919G	5.807881G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

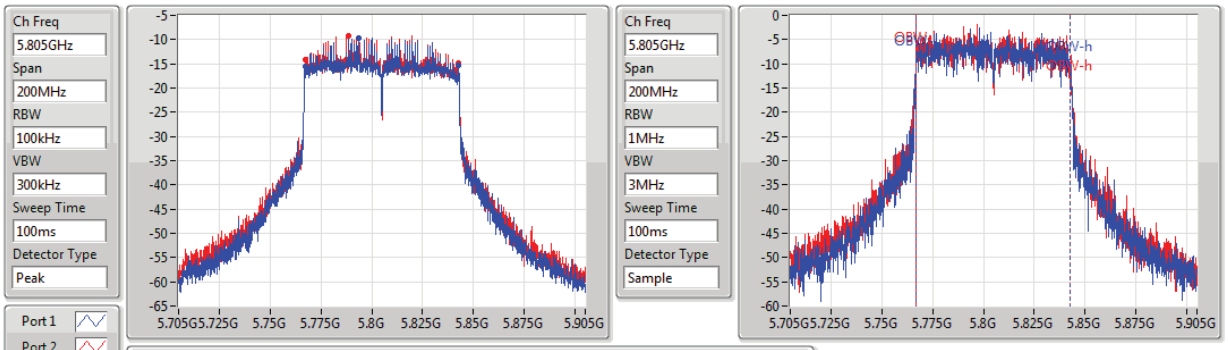


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
71.3M	5.7525G	5.8238G	75.762M	5.752019G	5.827781G	500k	1
72.6M	5.7524G	5.825G	75.862M	5.751919G	5.827781G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5805MHz

24/08/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75M	5.7675G	5.8425G	75.762M	5.766919G	5.842681G	500k	1
75M	5.7675G	5.8425G	75.862M	5.766919G	5.842781G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	25.5M	16.667M	16M7D1D	23.45M	16.567M
802.11ac VHT10_Nss1,(MCS0)_2TX	14.35M	8.971M	8M97D1D	13.75M	8.946M
802.11ac VHT20_Nss1,(MCS0)_2TX	26.225M	17.866M	17M9D1D	24.875M	17.741M
802.11ac VHT30_Nss1,(MCS0)_2TX	38.288M	26.012M	26M0D1D	36.863M	25.825M
802.11ac VHT40_Nss1,(MCS0)_2TX	89.75M	36.732M	36M7D1D	46.8M	36.332M
802.11ac VHT50_Nss1,(MCS0)_2TX	112.125M	44.978M	45M0D1D	59.313M	44.54M
802.11ac VHT60_Nss1,(MCS0)_2TX	75M	53.148M	53M1D1D	69.3M	52.999M
802.11ac VHT80_Nss1,(MCS0)_2TX	100M	76.262M	76M3D1D	97M	75.862M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.325M	16.692M	16M7D1D	16.275M	16.592M
802.11ac VHT10_Nss1,(MCS0)_2TX	8.825M	8.996M	9M00D1D	8.788M	8.946M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.525M	17.816M	17M8D1D	16.65M	17.741M
802.11ac VHT30_Nss1,(MCS0)_2TX	25.538M	25.862M	25M9D1D	24.563M	25.787M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.25M	36.382M	36M4D1D	35.25M	36.232M
802.11ac VHT50_Nss1,(MCS0)_2TX	44.563M	44.603M	44M6D1D	43.063M	44.478M
802.11ac VHT60_Nss1,(MCS0)_2TX	52.8M	52.999M	53M0D1D	49.65M	52.699M
802.11ac VHT80_Nss1,(MCS0)_2TX	75M	75.862M	75M9D1D	70M	75.762M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5165MHz_TnomVnom	Pass	Inf	25.5M	16.667M	24.875M	16.642M
5200MHz_TnomVnom	Pass	Inf	25.25M	16.642M	24.725M	16.642M
5240MHz_TnomVnom	Pass	Inf	23.45M	16.567M	24.275M	16.592M
5740MHz_TnomVnom	Pass	500k	16.325M	16.592M	16.3M	16.692M
5790MHz_TnomVnom	Pass	500k	16.325M	16.667M	16.275M	16.592M
5835MHz_TnomVnom	Pass	500k	16.275M	16.617M	16.3M	16.667M
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5160MHz_TnomVnom	Pass	Inf	13.913M	8.958M	14.25M	8.958M
5200MHz_TnomVnom	Pass	Inf	14.138M	8.946M	13.938M	8.946M
5245MHz_TnomVnom	Pass	Inf	14.35M	8.971M	13.75M	8.946M
5735MHz_TnomVnom	Pass	500k	8.8M	8.983M	8.8M	8.958M
5790MHz_TnomVnom	Pass	500k	8.813M	8.996M	8.813M	8.983M
5840MHz_TnomVnom	Pass	500k	8.825M	8.946M	8.788M	8.958M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5165MHz_TnomVnom	Pass	Inf	24.875M	17.866M	26.15M	17.791M
5200MHz_TnomVnom	Pass	Inf	25.35M	17.816M	26.225M	17.741M
5240MHz_TnomVnom	Pass	Inf	24.925M	17.766M	25.125M	17.791M
5740MHz_TnomVnom	Pass	500k	17.25M	17.816M	16.875M	17.816M
5790MHz_TnomVnom	Pass	500k	16.65M	17.741M	16.9M	17.766M
5835MHz_TnomVnom	Pass	500k	17.525M	17.791M	16.9M	17.816M
802.11ac VHT30_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5170MHz_TnomVnom	Pass	Inf	37.8M	25.937M	37.125M	25.975M
5200MHz_TnomVnom	Pass	Inf	37.463M	25.825M	38.1M	26.012M
5235MHz_TnomVnom	Pass	Inf	36.863M	25.825M	38.288M	25.862M
5745MHz_TnomVnom	Pass	500k	25.538M	25.787M	25.463M	25.825M
5790MHz_TnomVnom	Pass	500k	25.463M	25.825M	25.5M	25.825M
5830MHz_TnomVnom	Pass	500k	24.563M	25.825M	25.538M	25.862M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5175MHz_TnomVnom	Pass	Inf	89.75M	36.732M	88.4M	36.732M
5200MHz_TnomVnom	Pass	Inf	46.8M	36.332M	49.8M	36.382M
5230MHz_TnomVnom	Pass	Inf	48.85M	36.332M	50.55M	36.382M
5750MHz_TnomVnom	Pass	500k	36.25M	36.382M	35.65M	36.282M
5790MHz_TnomVnom	Pass	500k	35.65M	36.382M	35.25M	36.232M
5825MHz_TnomVnom	Pass	500k	35.75M	36.332M	35.3M	36.282M
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	68.688M	44.853M	112.125M	44.978M
5200MHz_TnomVnom	Pass	Inf	59.313M	44.54M	60.313M	44.54M
5225MHz_TnomVnom	Pass	Inf	62.625M	44.603M	63.938M	44.54M
5755MHz_TnomVnom	Pass	500k	44.063M	44.603M	43.813M	44.478M
5790MHz_TnomVnom	Pass	500k	43.063M	44.54M	43.75M	44.603M
5820MHz_TnomVnom	Pass	500k	44.563M	44.603M	44.5M	44.54M
802.11ac VHT60_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5185MHz_TnomVnom	Pass	Inf	74.175M	53.148M	71.55M	52.999M

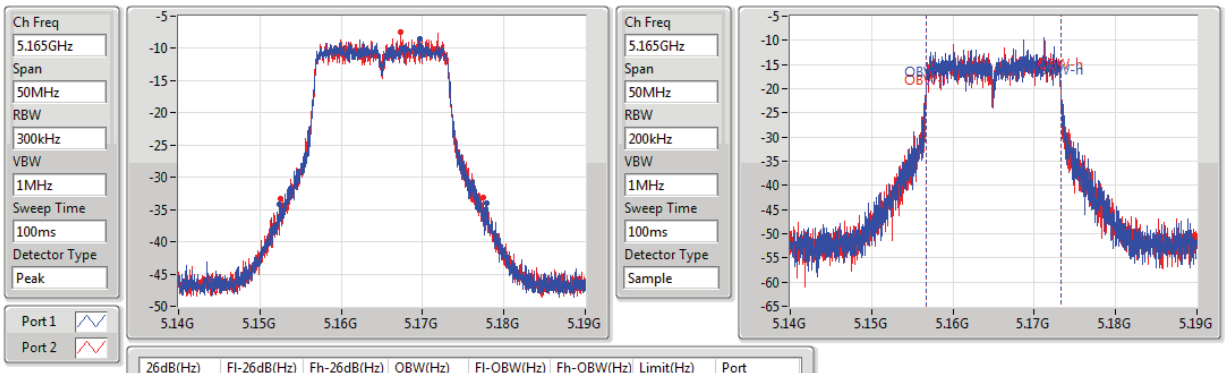
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5200MHz_TnomVnom	Pass	Inf	73.2M	53.148M	69.3M	52.999M
5220MHz_TnomVnom	Pass	Inf	75M	53.073M	75M	52.999M
5760MHz_TnomVnom	Pass	500k	52.8M	52.924M	49.65M	52.924M
5790MHz_TnomVnom	Pass	500k	52.425M	52.699M	52.725M	52.999M
5815MHz_TnomVnom	Pass	500k	52.35M	52.849M	52.725M	52.924M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	98.1M	75.962M	99.3M	75.962M
5200MHz_TnomVnom	Pass	Inf	99.5M	76.262M	100M	76.162M
5210MHz_TnomVnom	Pass	Inf	98.3M	75.962M	97M	75.862M
5770MHz_TnomVnom	Pass	500k	70.9M	75.862M	75M	75.862M
5790MHz_TnomVnom	Pass	500k	71.3M	75.762M	75M	75.762M
5805MHz_TnomVnom	Pass	500k	71.9M	75.862M	70M	75.862M

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

802.11a_Nss1,(6Mbps)_2TX EBW

5165MHz

24/08/2018

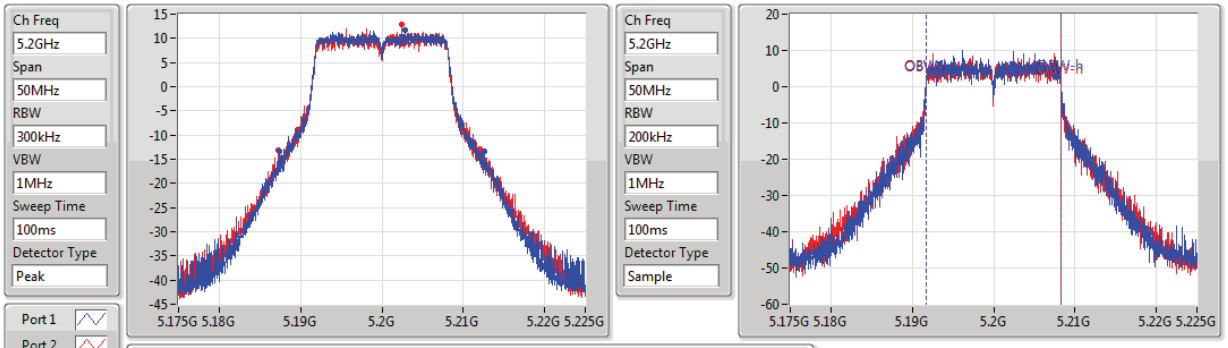


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.5M	5.15235G	5.17785G	16.667M	5.156654G	5.173321G	Inf	1
24.875M	5.15255G	5.177425G	16.642M	5.156654G	5.173296G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

24/08/2018

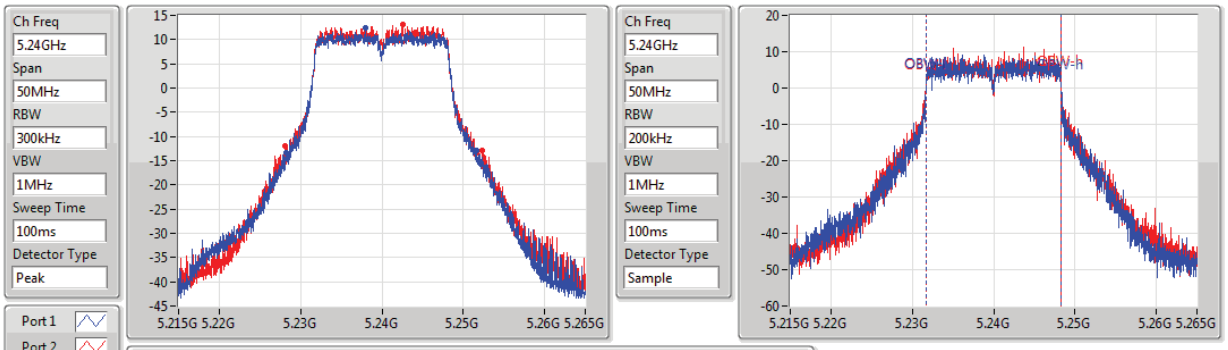


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.25M	5.1874G	5.21265G	16.642M	5.191679G	5.208321G	Inf	1
24.725M	5.187325G	5.21205G	16.642M	5.191654G	5.208296G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

24/08/2018

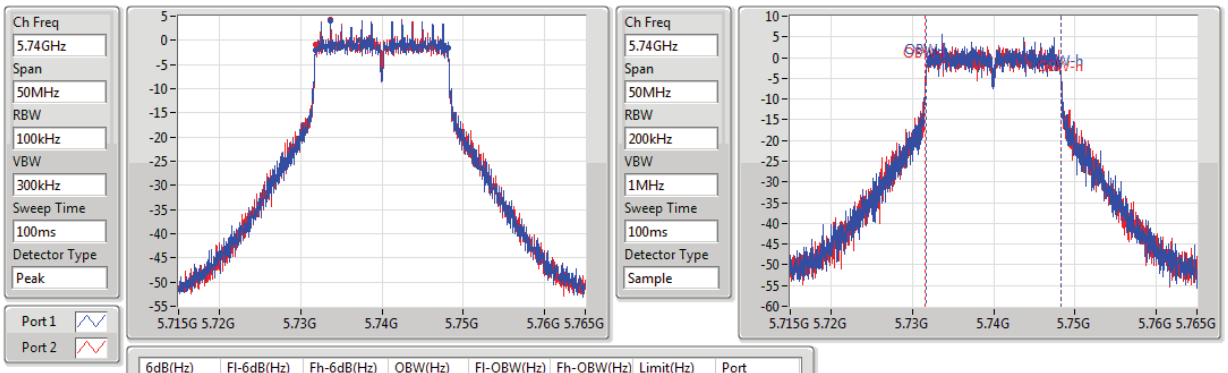


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.45M	5.2282G	5.25165G	16.567M	5.231704G	5.248271G	Inf	1
24.275M	5.228025G	5.2523G	16.592M	5.231679G	5.248271G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5740MHz

24/08/2018

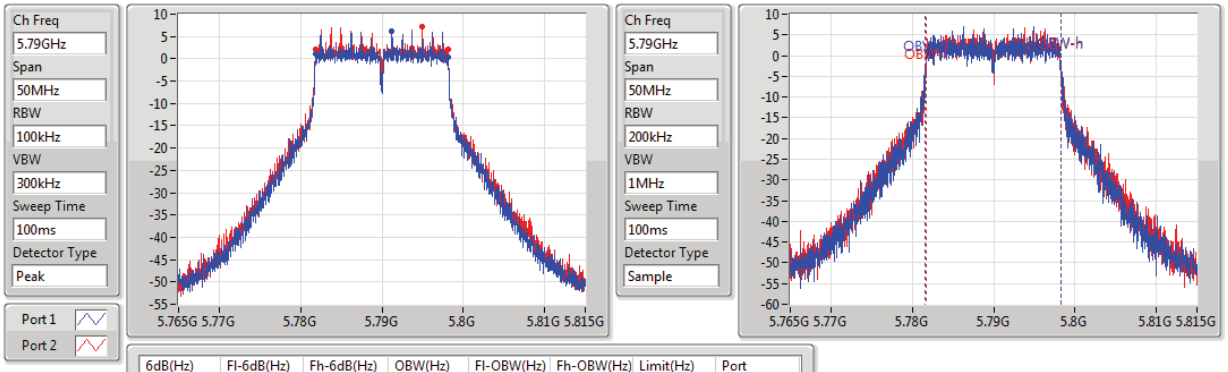


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.731825G	5.74815G	16.592M	5.731679G	5.748271G	500k	1
16.3M	5.73185G	5.74815G	16.692M	5.731629G	5.748321G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5790MHz

24/08/2018

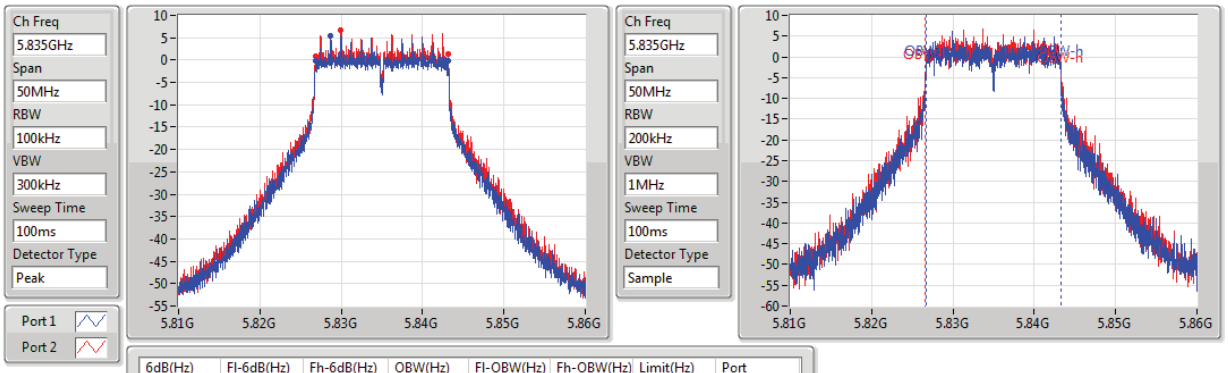


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.781825G	5.79815G	16.667M	5.781629G	5.798296G	500k	1
16.275M	5.781825G	5.7981G	16.592M	5.781654G	5.798246G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5835MHz

24/08/2018

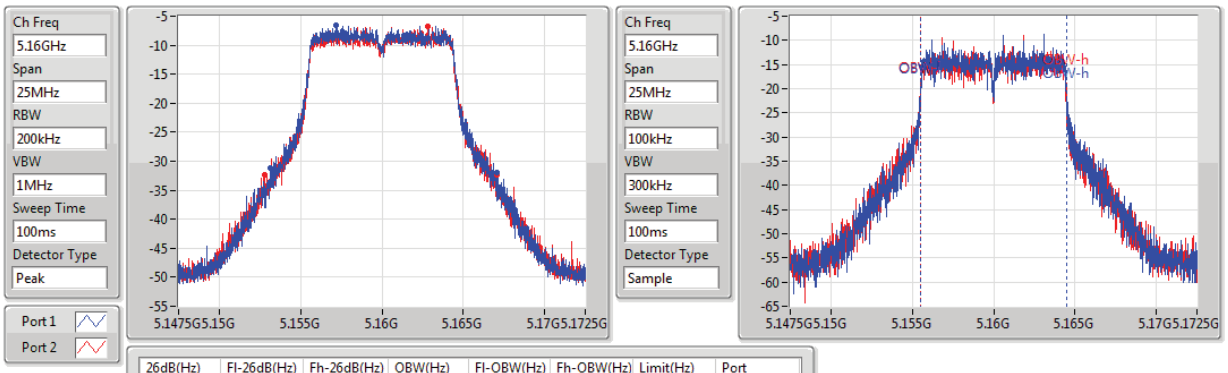


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.826825G	5.8431G	16.617M	5.826654G	5.843271G	500k	1
16.3M	5.82685G	5.84315G	16.667M	5.826629G	5.843296G	500k	2

802.11ac VHT10_Nss1,(MCS0)_2TX EBW

5160MHz

24/08/2018

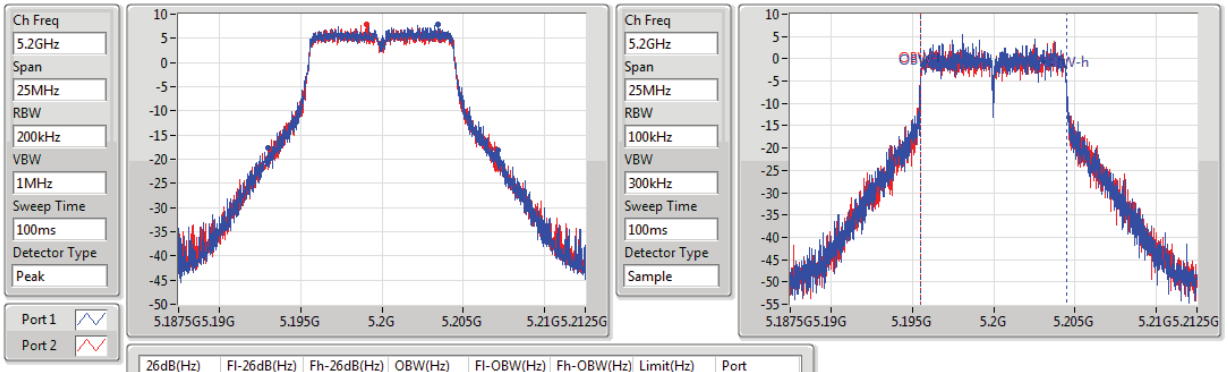


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.913M	5.153138G	5.16705G	8.958M	5.155515G	5.164473G	Inf	1
14.25M	5.1528G	5.16705G	8.958M	5.155502G	5.16446G	Inf	2

802.11ac VHT10_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

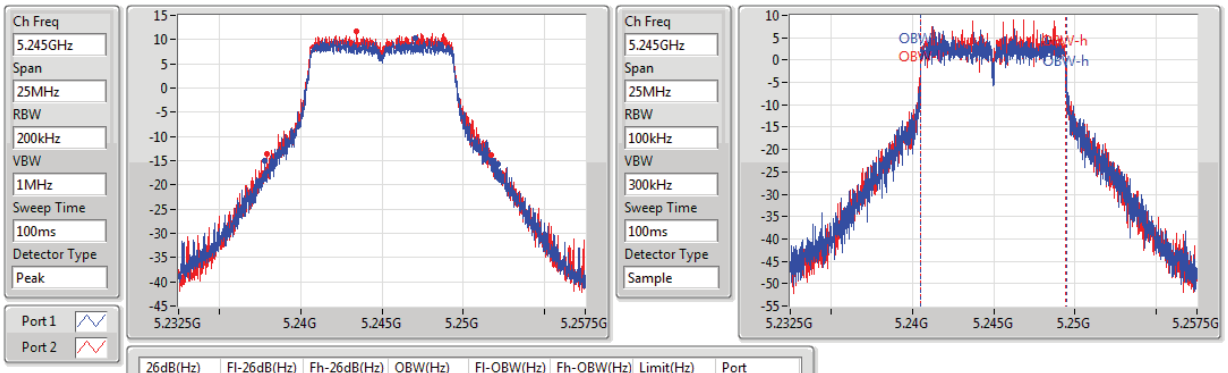


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.138M	5.193013G	5.20715G	8.946M	5.195515G	5.20446G	Inf	1
13.938M	5.193038G	5.206975G	8.946M	5.195515G	5.20446G	Inf	2

802.11ac VHT10_Nss1,(MCS0)_2TX EBW

5245MHz

24/08/2018

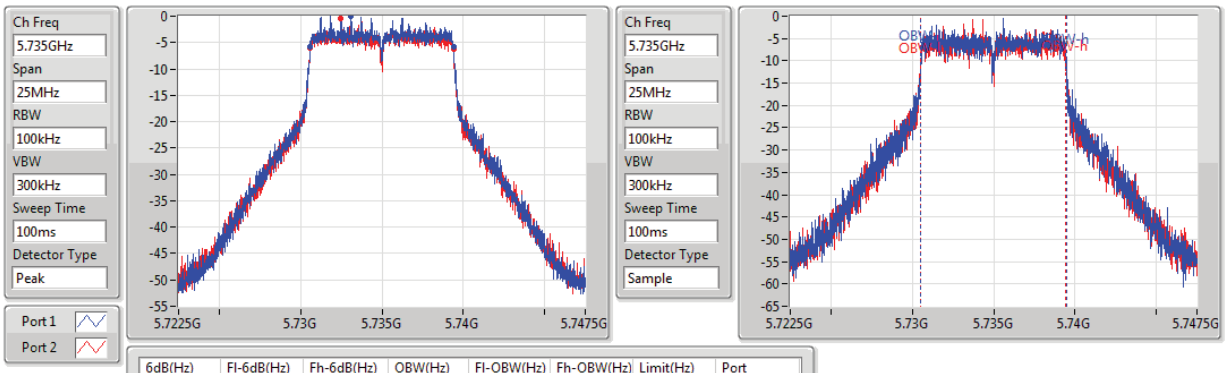


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.35M	5.237763G	5.252113G	8.971M	5.240502G	5.249473G	Inf	1
13.75M	5.237963G	5.251713G	8.946M	5.240502G	5.249448G	Inf	2

802.11ac VHT10_Nss1,(MCS0)_2TX EBW

5735MHz

24/08/2018

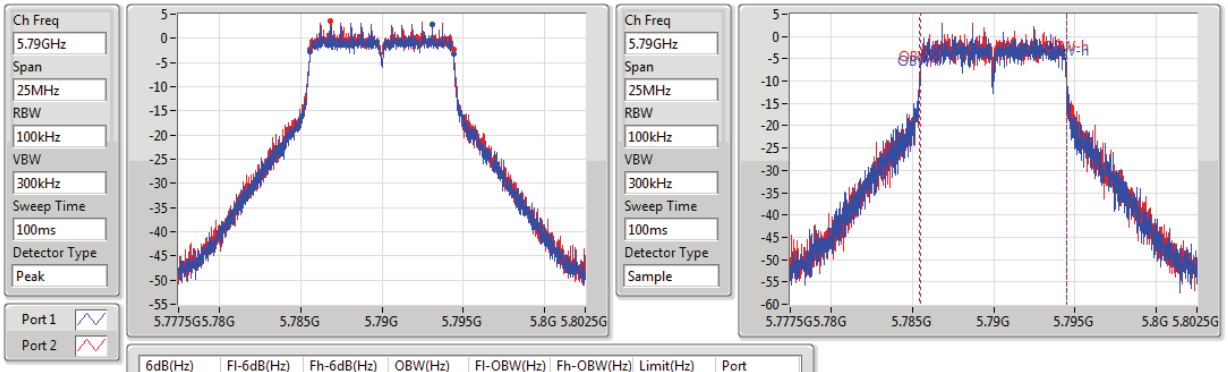


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.8M	5.730588G	5.739388G	8.983M	5.73049G	5.739473G	500k	1
8.8M	5.730588G	5.739388G	8.958M	5.73049G	5.739448G	500k	2

802.11ac VHT10_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

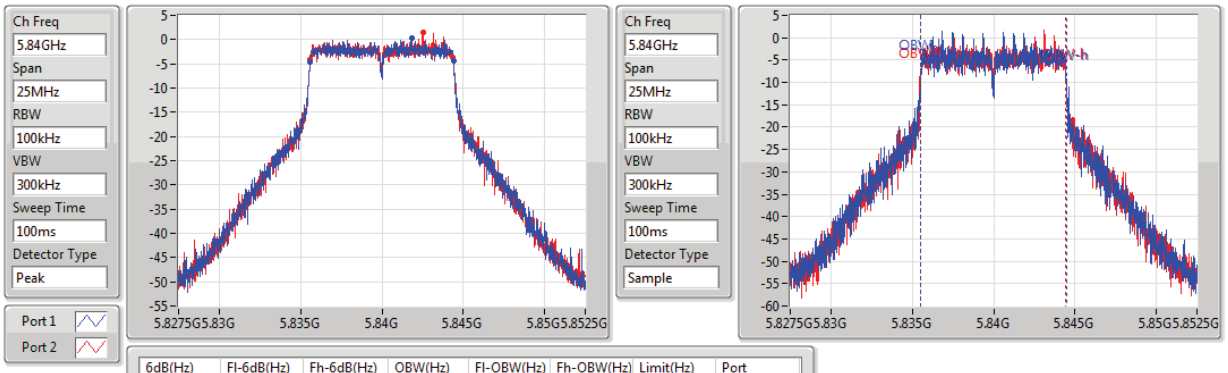


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.813M	5.785575G	5.794388G	8.996M	5.785465G	5.79446G	500k	1
8.813M	5.785575G	5.794388G	8.983M	5.78549G	5.794473G	500k	2

802.11ac VHT10_Nss1,(MCS0)_2TX EBW

5840MHz

24/08/2018

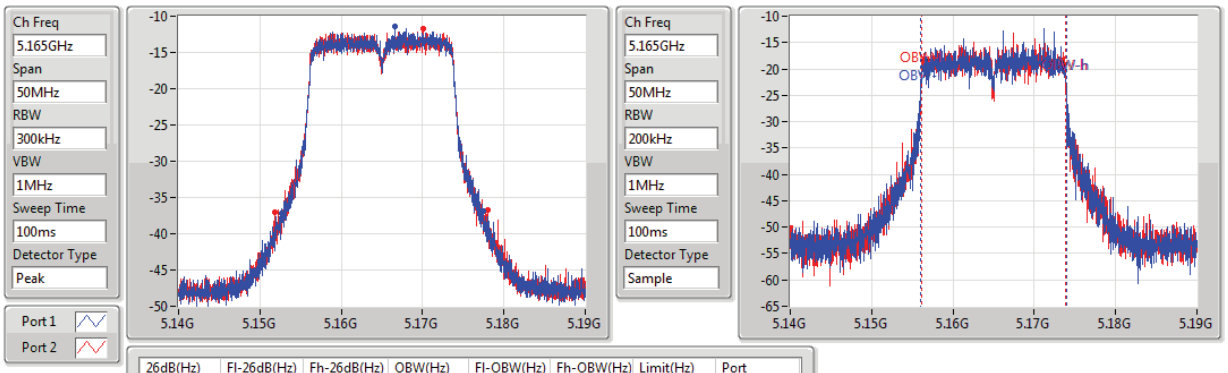


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.825M	5.835575G	5.8444G	8.946M	5.835515G	5.84446G	500k	1
8.788M	5.835588G	5.844375G	8.958M	5.83549G	5.844448G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5165MHz

24/08/2018

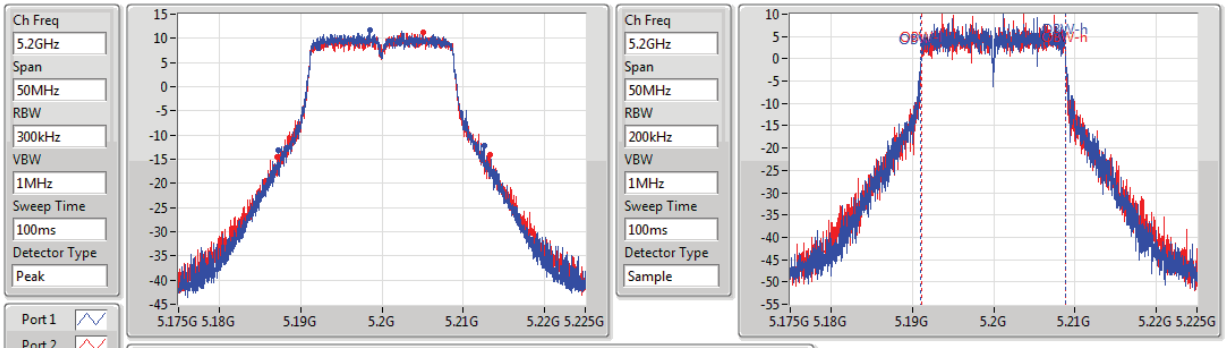


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.875M	5.152625G	5.1775G	17.866M	5.156054G	5.173921G	Inf	1
26.15M	5.151875G	5.178025G	17.791M	5.156104G	5.173896G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

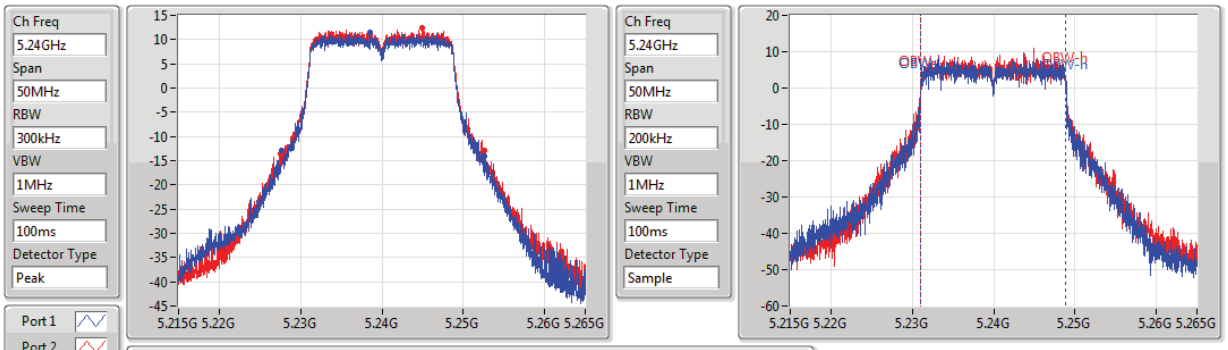


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.35M	5.18725G	5.2126G	17.816M	5.191054G	5.208871G	Inf	1
26.225M	5.187075G	5.2133G	17.741M	5.191104G	5.208846G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

24/08/2018

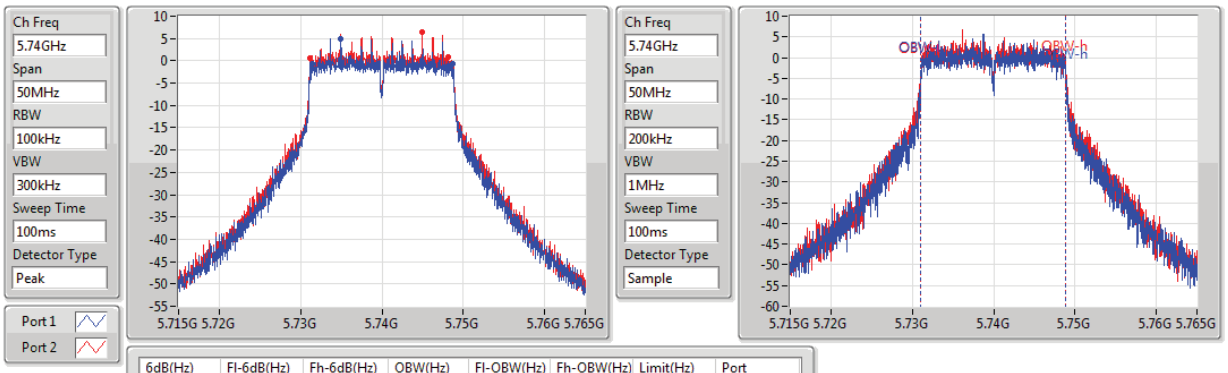


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.925M	5.227675G	5.2526G	17.766M	5.231079G	5.248846G	Inf	1
25.125M	5.227475G	5.2526G	17.791M	5.231079G	5.248871G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5740MHz

24/08/2018

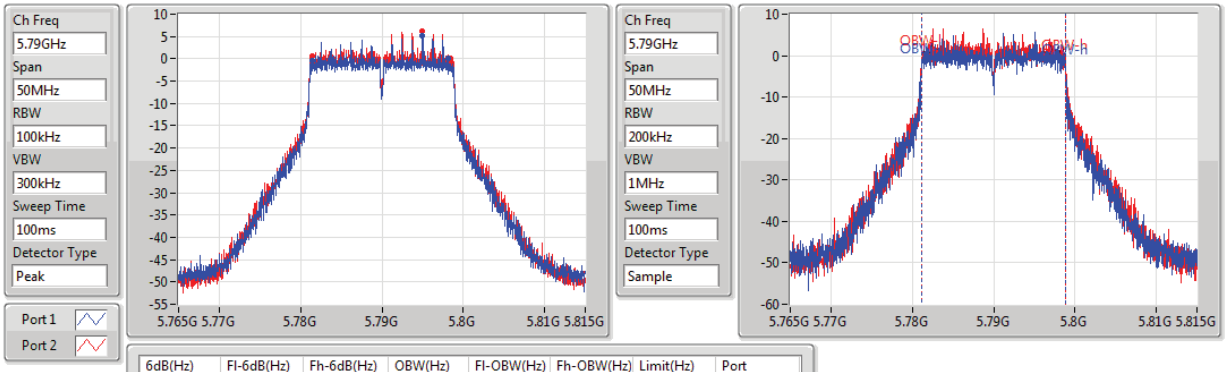


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.25M	5.7315G	5.74875G	17.816M	5.731054G	5.748871G	500k	1
16.875M	5.731225G	5.7481G	17.816M	5.731054G	5.748871G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5790MHz

29/08/2018

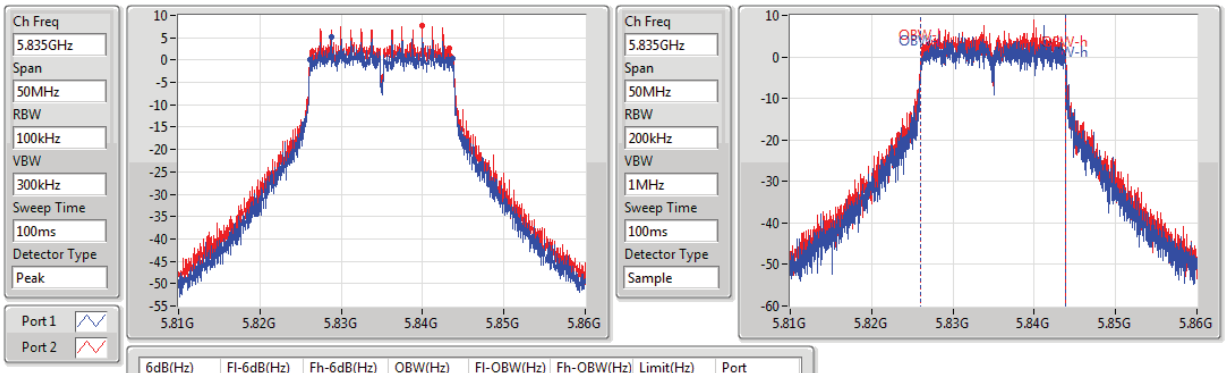


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.65M	5.781475G	5.798125G	17.741M	5.781104G	5.798846G	500k	1
16.9M	5.781475G	5.798375G	17.766M	5.781104G	5.798871G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5835MHz

24/08/2018

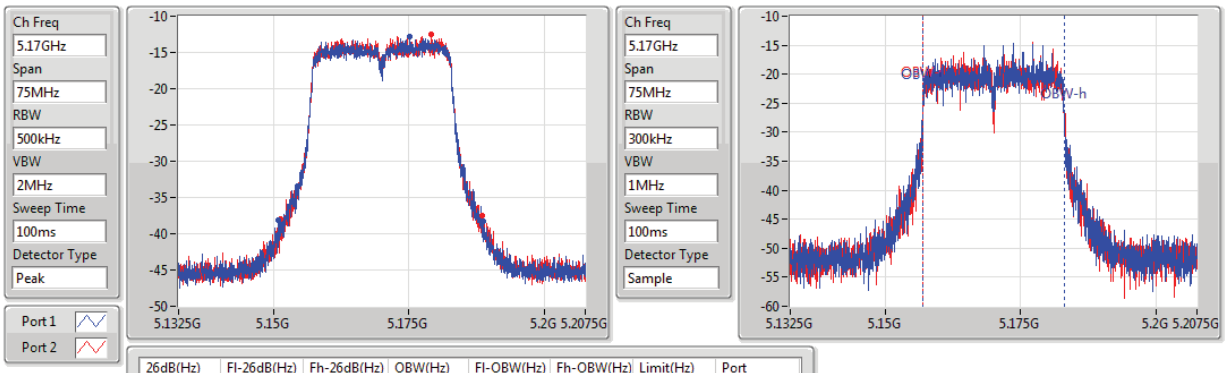


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	5.8262G	5.843725G	17.791M	5.826054G	5.843846G	500k	1
16.9M	5.82645G	5.84335G	17.816M	5.826054G	5.843871G	500k	2

802.11ac VHT30_Nss1,(MCS0)_2TX EBW

5170MHz

24/08/2018

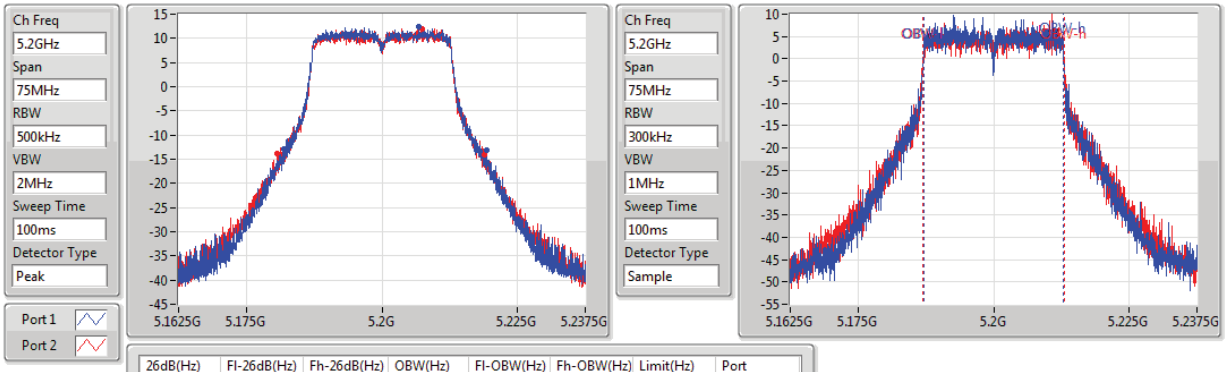


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.8M	5.15095G	5.18875G	25.937M	5.157031G	5.182969G	Inf	1
37.125M	5.1514G	5.188525G	25.975M	5.157031G	5.183006G	Inf	2

802.11ac VHT30_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

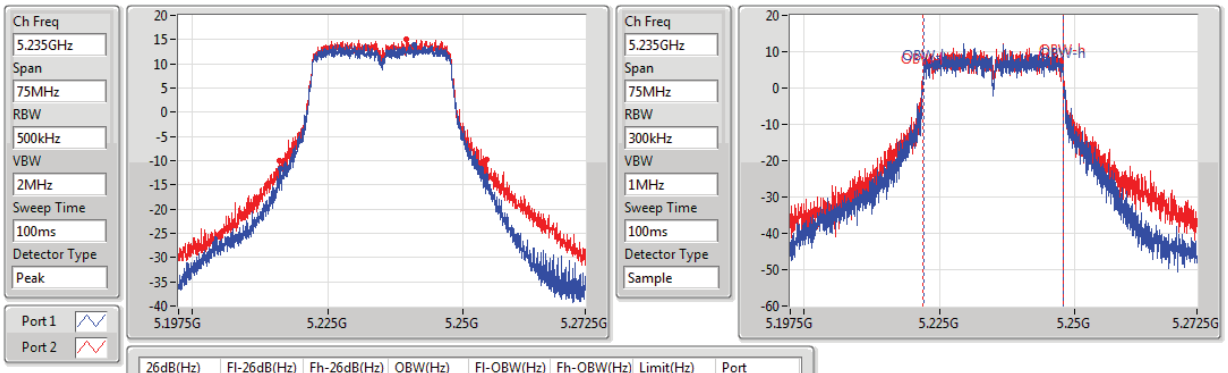


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.463M	5.181925G	5.219388G	25.825M	5.187069G	5.212894G	Inf	1
38.1M	5.180725G	5.218825G	26.012M	5.186994G	5.213006G	Inf	2

802.11ac VHT30_Nss1,(MCS0)_2TX EBW

5235MHz

24/08/2018

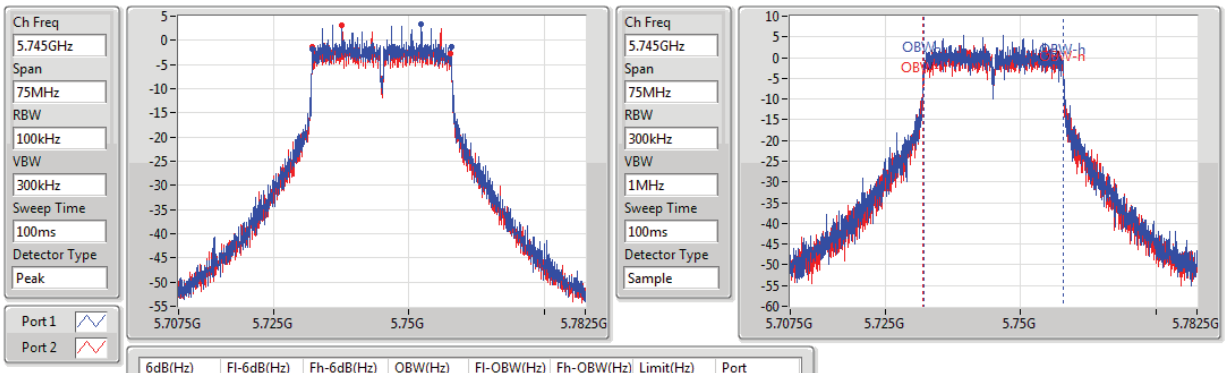


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.863M	5.2164G	5.253263G	25.825M	5.222069G	5.247894G	Inf	1
38.288M	5.216025G	5.254313G	25.862M	5.222031G	5.247894G	Inf	2

802.11ac VHT30_Nss1,(MCS0)_2TX EBW

5745MHz

24/08/2018

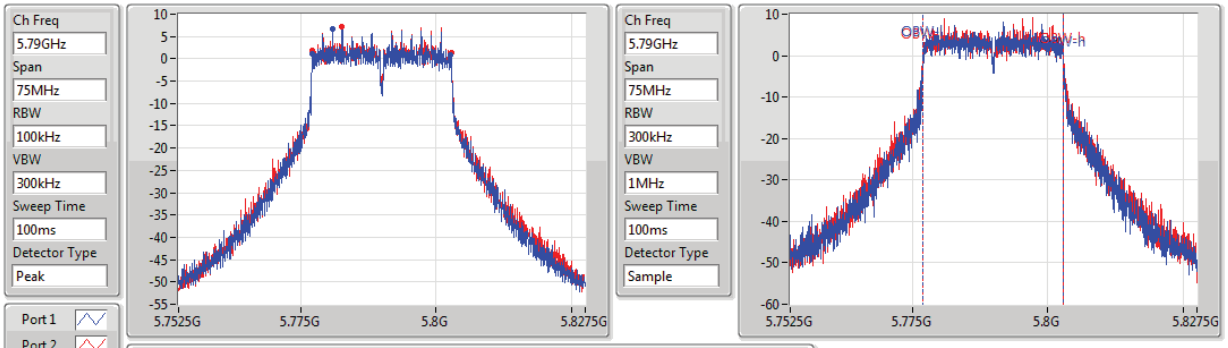


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.538M	5.732213G	5.75775G	25.787M	5.732069G	5.757856G	500k	1
25.463M	5.73225G	5.757713G	25.825M	5.732031G	5.757856G	500k	2

802.11ac VHT30_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

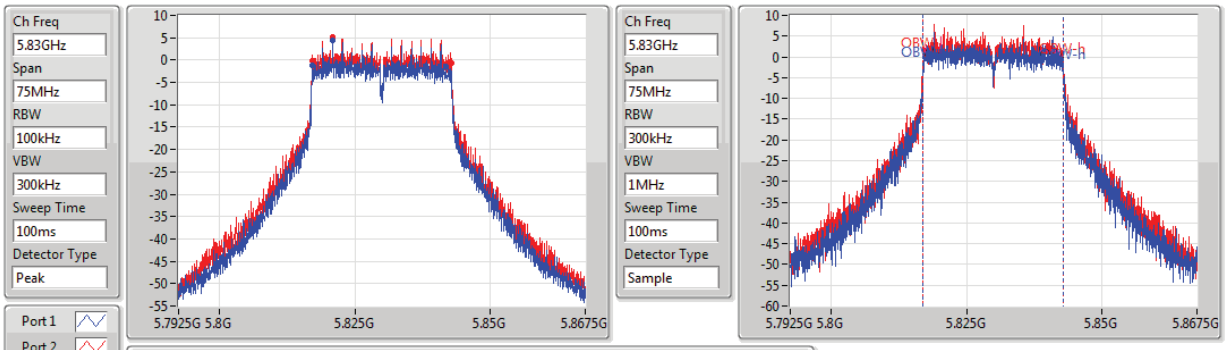


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.463M	5.77725G	5.802713G	25.825M	5.777031G	5.802856G	500k	1
25.5M	5.77725G	5.80275G	25.825M	5.777031G	5.802856G	500k	2

802.11ac VHT30_Nss1,(MCS0)_2TX EBW

5830MHz

24/08/2018

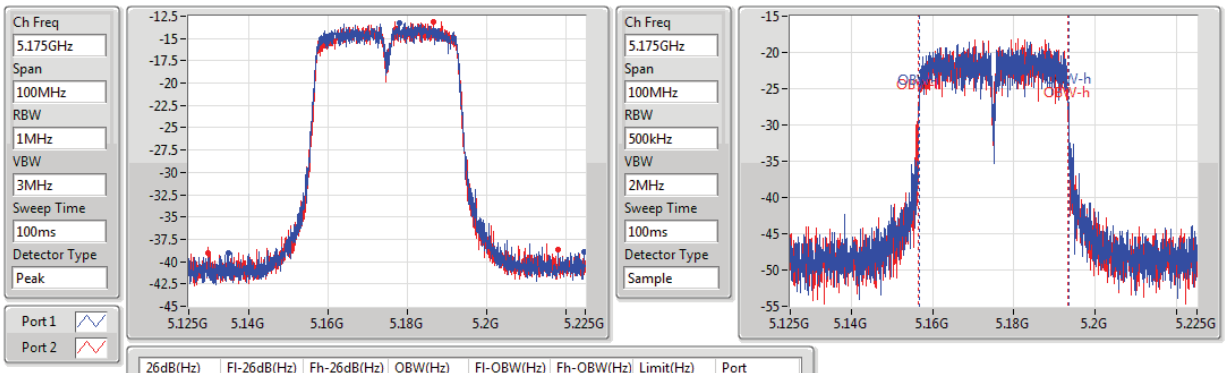


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.563M	5.81725G	5.841813G	25.825M	5.817031G	5.842856G	500k	1
25.538M	5.817213G	5.84275G	25.862M	5.817031G	5.842894G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5175MHz

24/08/2018

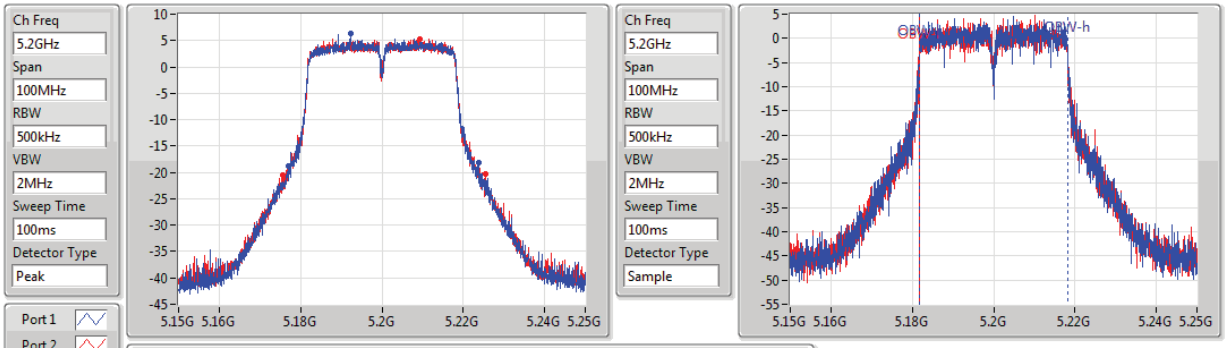


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
89.75M	5.13505G	5.2248G	36.732M	5.156709G	5.193441G	Inf	1
88.4M	5.12985G	5.21825G	36.732M	5.156609G	5.193341G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

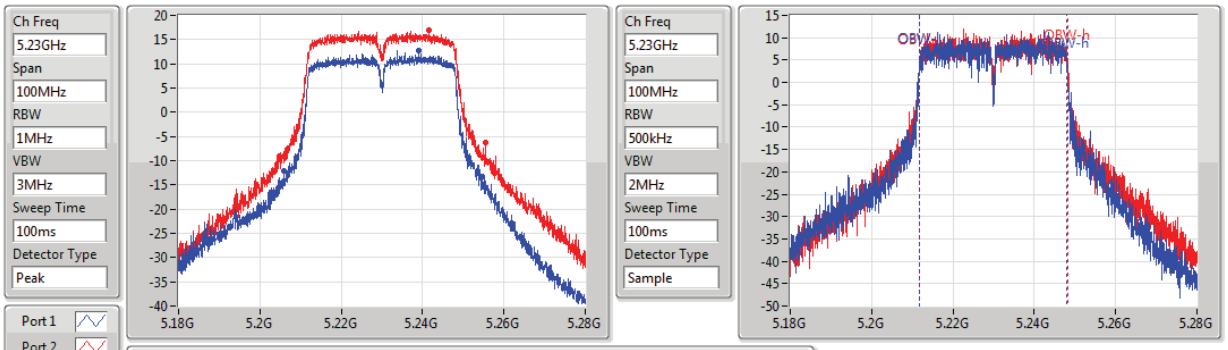


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
46.8M	5.17695G	5.22375G	36.332M	5.181809G	5.218141G	Inf	1
49.8M	5.17575G	5.22555G	36.382M	5.181759G	5.218141G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

24/08/2018

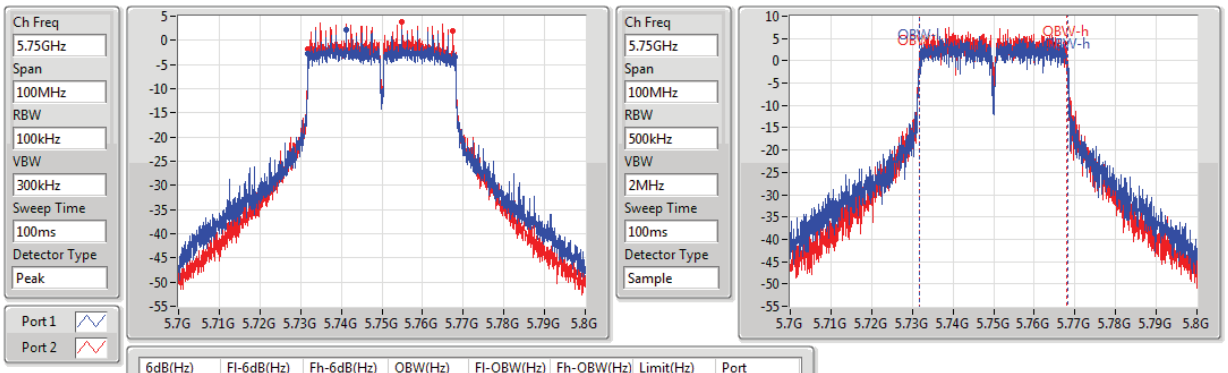


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.85M	5.2058G	5.25465G	36.332M	5.211759G	5.248091G	Inf	1
50.55M	5.20485G	5.2554G	36.382M	5.211759G	5.248141G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5750MHz

24/08/2018

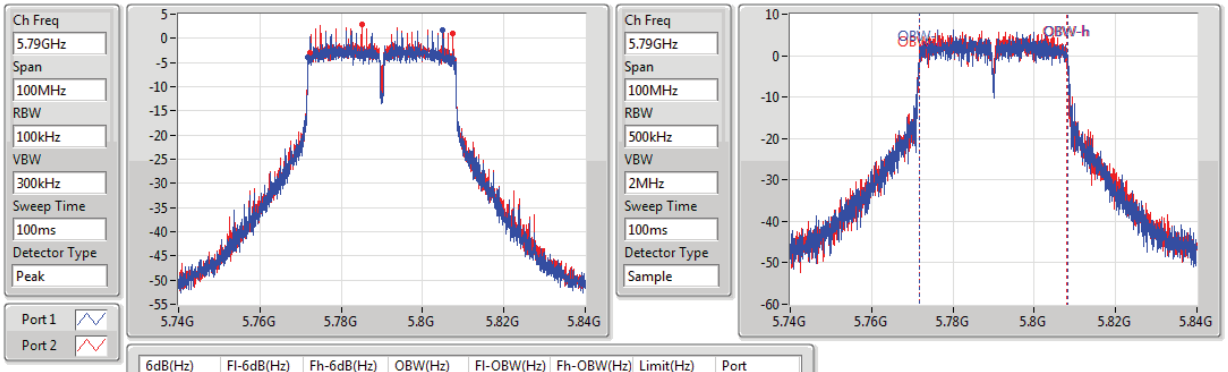


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.25M	5.73185G	5.7681G	36.382M	5.731759G	5.768141G	500k	1
35.65M	5.73185G	5.7675G	36.282M	5.731809G	5.768091G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

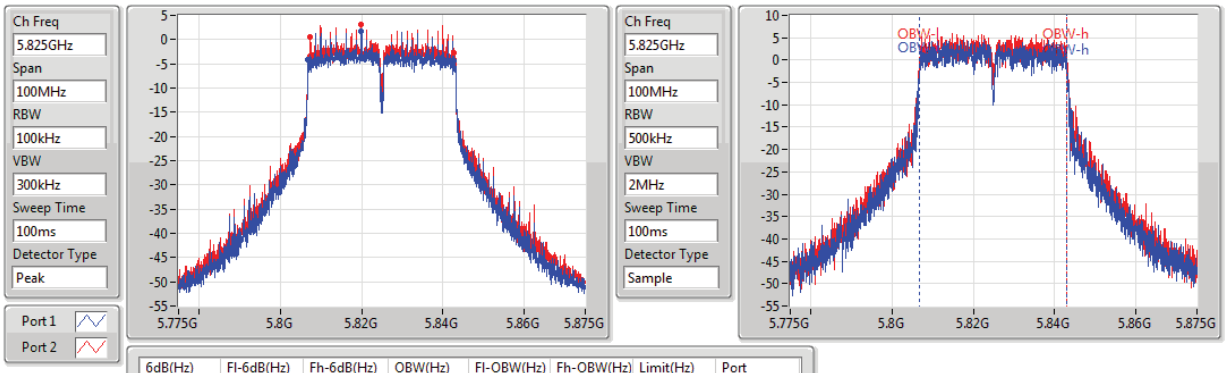


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.65M	5.77185G	5.8075G	36.382M	5.771759G	5.808141G	500k	1
35.25M	5.77225G	5.8075G	36.232M	5.771809G	5.808041G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5825MHz

24/08/2018

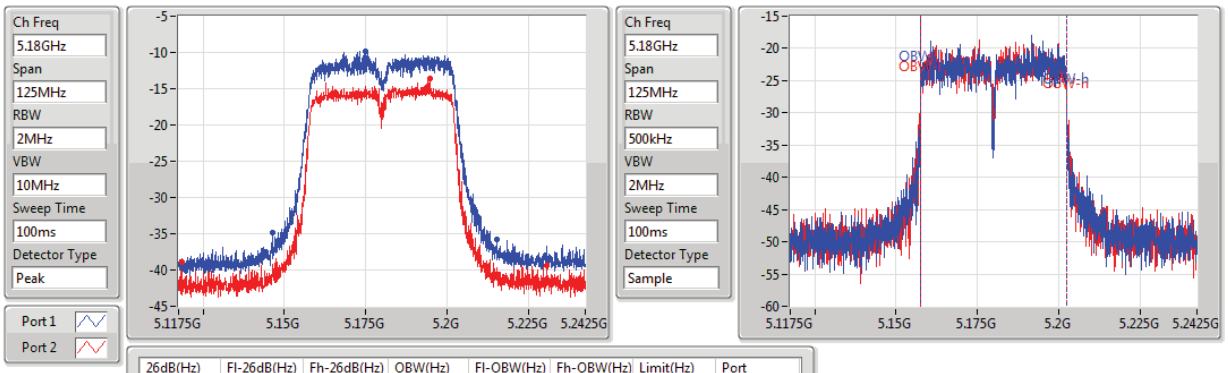


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.75M	5.80685G	5.8426G	36.332M	5.806759G	5.843091G	500k	1
35.3M	5.80745G	5.84275G	36.282M	5.806809G	5.843091G	500k	2

802.11ac VHT50_Nss1,(MCS0)_2TX EBW

5180MHz

24/08/2018

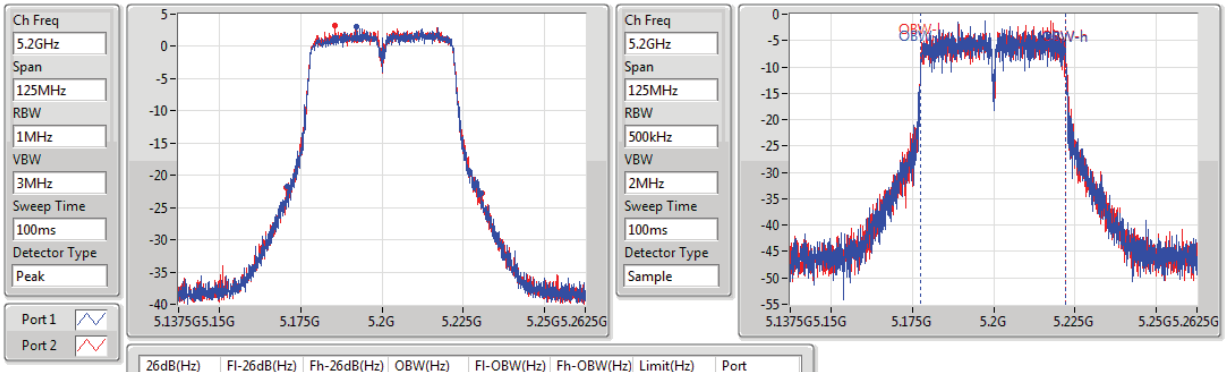


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
68.688M	5.1465G	5.215188G	44.853M	5.157574G	5.202426G	Inf	1
112.125M	5.118375G	5.2305G	44.978M	5.157511G	5.202489G	Inf	2

802.11ac VHT50_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

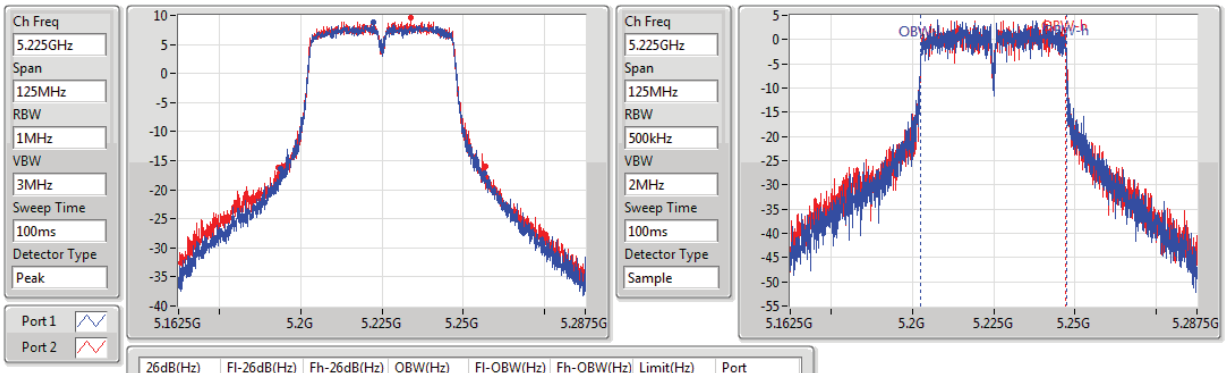


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
59.313M	5.171063G	5.230375G	44.54M	5.177699G	5.222239G	Inf	1
60.313M	5.1705G	5.230813G	44.54M	5.177699G	5.222239G	Inf	2

802.11ac VHT50_Nss1,(MCS0)_2TX EBW

5225MHz

24/08/2018

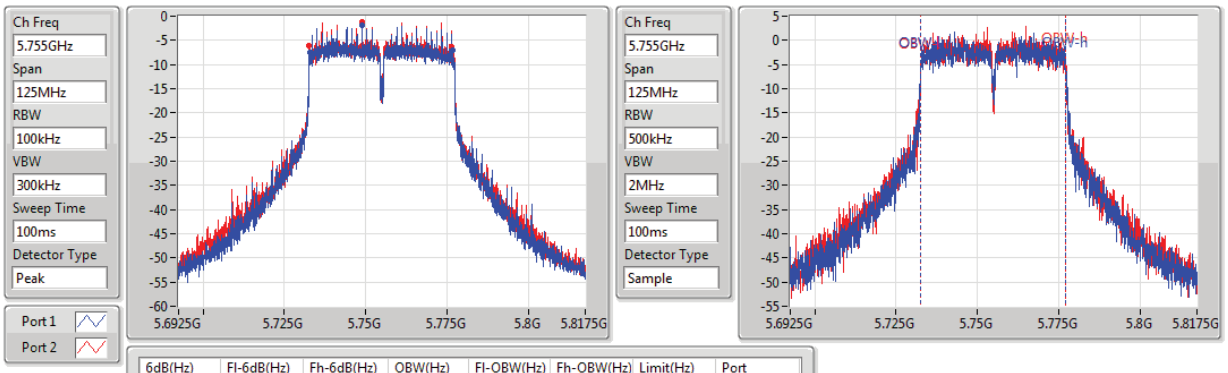


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
62.625M	5.193813G	5.256438G	44.603M	5.202699G	5.247301G	Inf	1
63.938M	5.193G	5.256938G	44.54M	5.202699G	5.247239G	Inf	2

802.11ac VHT50_Nss1,(MCS0)_2TX EBW

5755MHz

24/08/2018

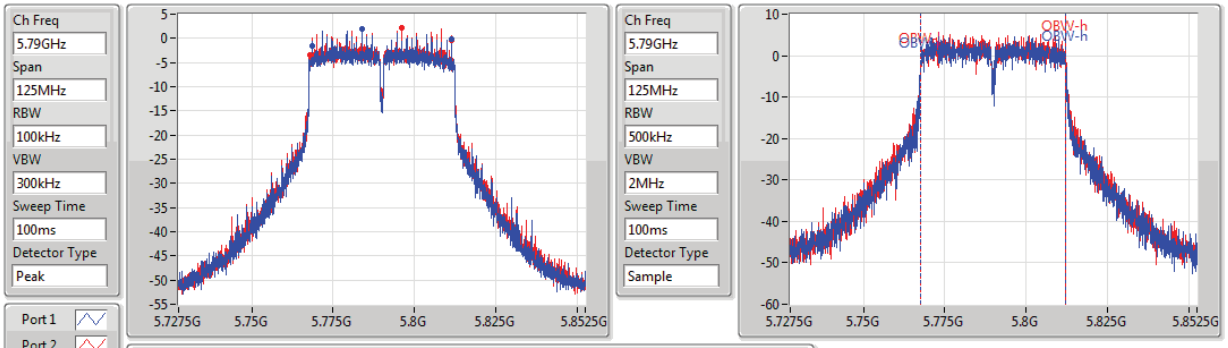


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.063M	5.73275G	5.776813G	44.603M	5.732636G	5.777239G	500k	1
43.813M	5.732688G	5.7765G	44.478M	5.732699G	5.777176G	500k	2

802.11ac VHT50_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

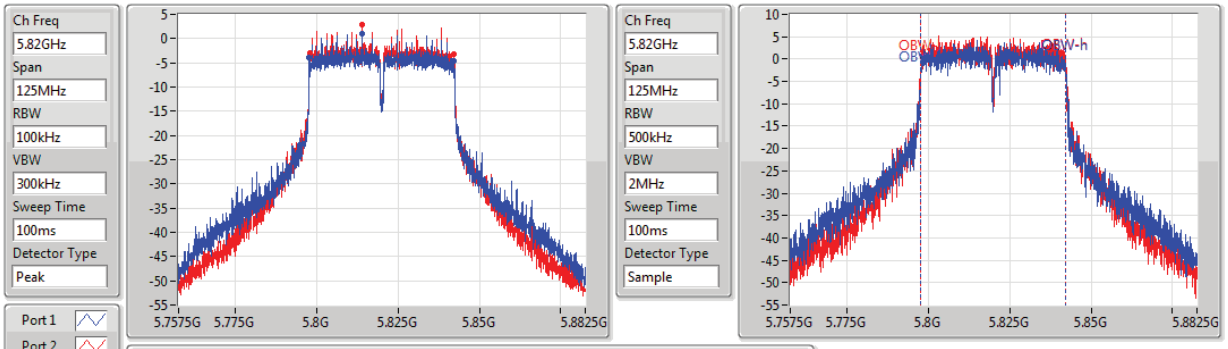


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.063M	5.768438G	5.8115G	44.54M	5.767636G	5.812176G	500k	1
43.75M	5.76775G	5.8115G	44.603M	5.767636G	5.812239G	500k	2

802.11ac VHT50_Nss1,(MCS0)_2TX EBW

5820MHz

24/08/2018

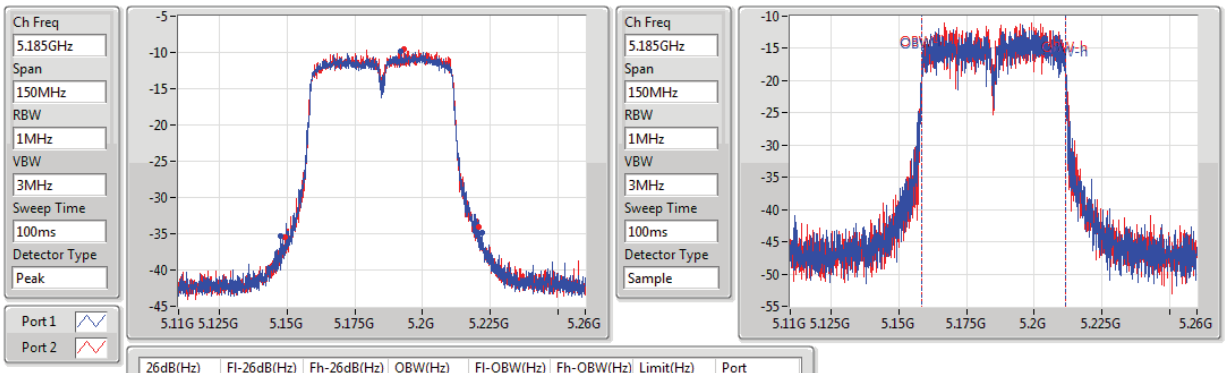


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.563M	5.797688G	5.84225G	44.603M	5.797574G	5.842176G	500k	1
44.5M	5.79775G	5.84225G	44.54M	5.797636G	5.842176G	500k	2

802.11ac VHT60_Nss1,(MCS0)_2TX EBW

5185MHz

24/08/2018

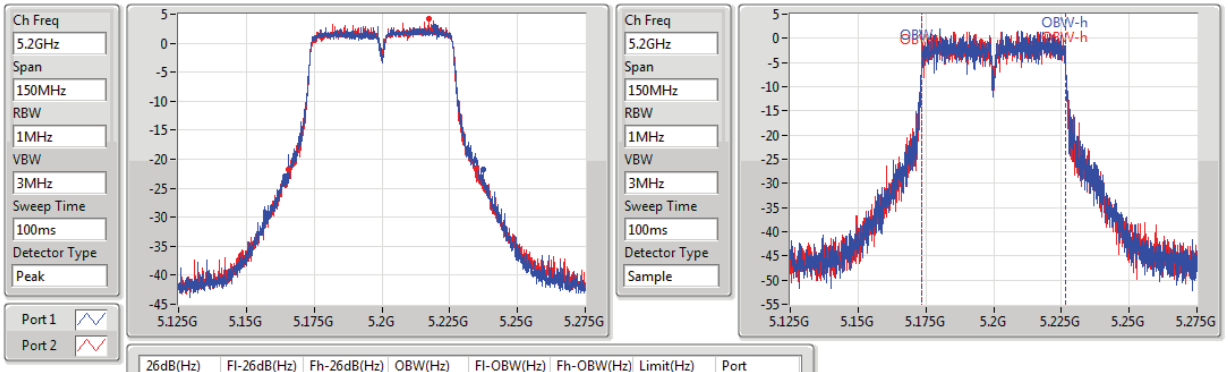


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
74.175M	5.1478G	5.221975G	53.148M	5.158388G	5.211537G	Inf	1
71.55M	5.149375G	5.220925G	52.999M	5.158538G	5.211537G	Inf	2

802.11ac VHT60_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

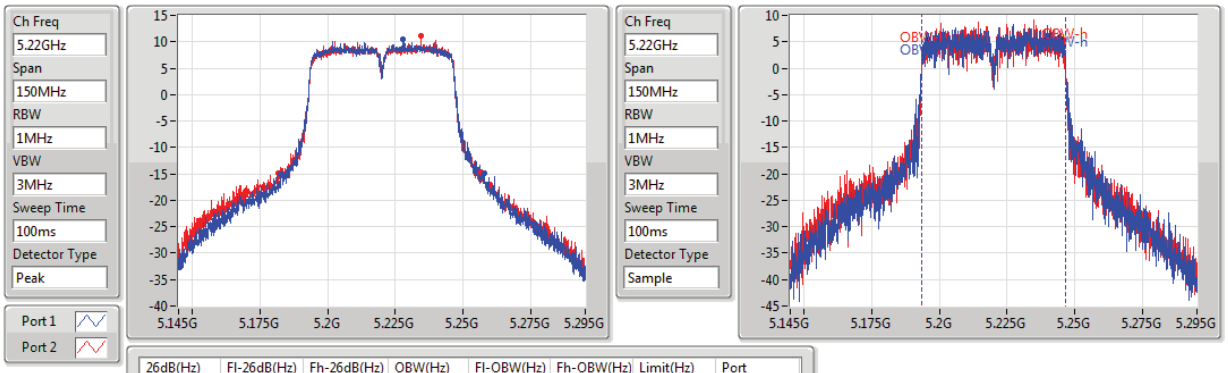


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.2M	5.16415G	5.23735G	53.148M	5.173388G	5.226537G	Inf	1
69.3M	5.165575G	5.234875G	52.999M	5.173538G	5.226537G	Inf	2

802.11ac VHT60_Nss1,(MCS0)_2TX EBW

5220MHz

24/08/2018

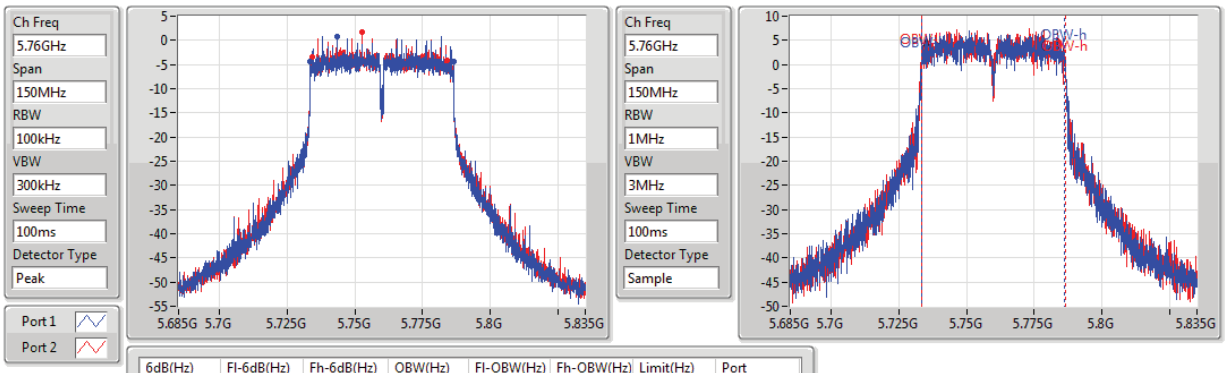


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75M	5.18265G	5.25765G	53.073M	5.193463G	5.246537G	Inf	1
75M	5.181675G	5.256675G	52.999M	5.193463G	5.246462G	Inf	2

802.11ac VHT60_Nss1,(MCS0)_2TX EBW

5760MHz

24/08/2018

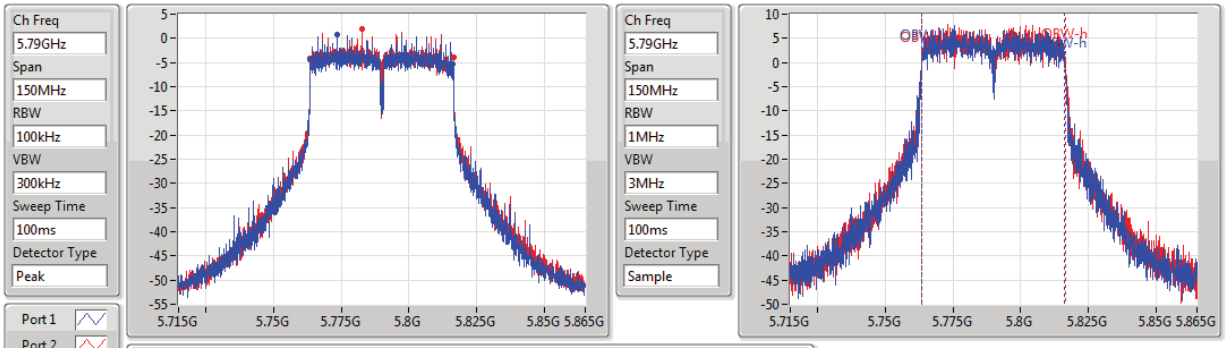


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
52.8M	5.7336G	5.7864G	52.924M	5.733388G	5.786312G	500k	1
49.65M	5.7345G	5.78415G	52.924M	5.733463G	5.786387G	500k	2

802.11ac VHT60_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

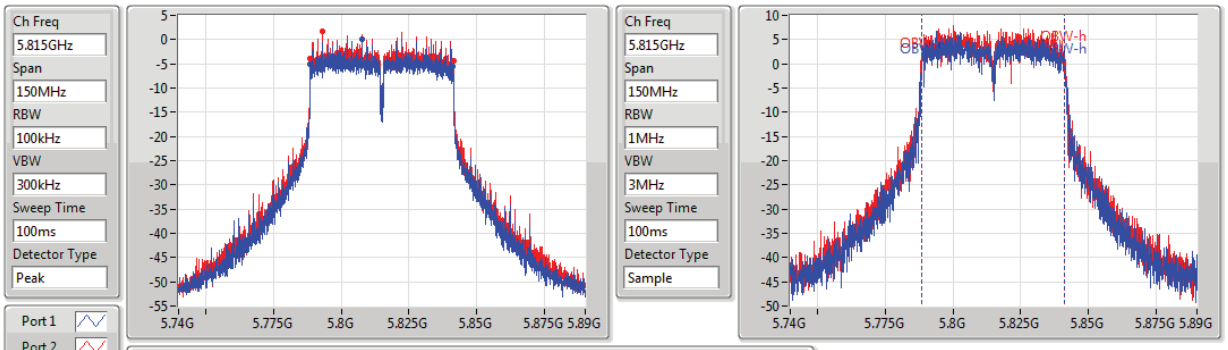


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
52.425M	5.7636G	5.816025G	52.699M	5.763538G	5.816237G	500k	1
52.725M	5.7636G	5.816325G	52.999M	5.763463G	5.816462G	500k	2

802.11ac VHT60_Nss1,(MCS0)_2TX EBW

5815MHz

24/08/2018

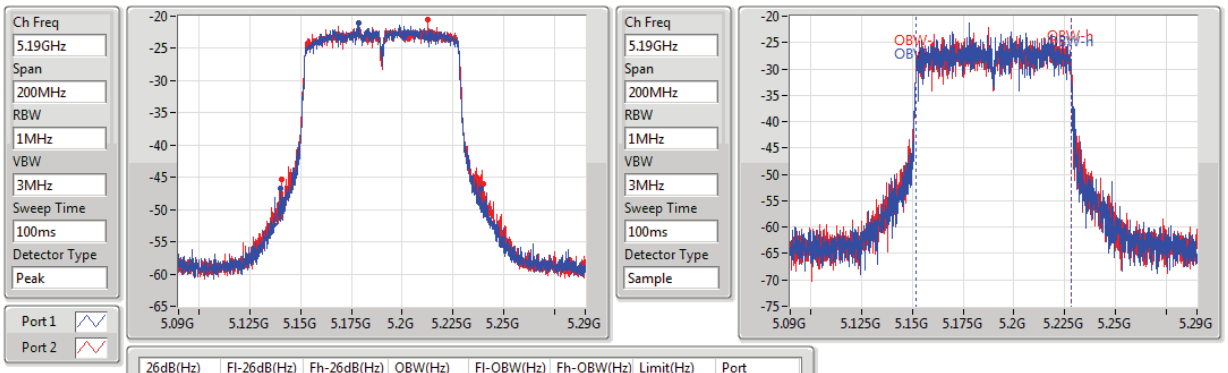


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
52.35M	5.7886G	5.84095G	52.849M	5.788463G	5.841312G	500k	1
52.725M	5.7886G	5.841325G	52.924M	5.788388G	5.841312G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5190MHz

24/08/2018

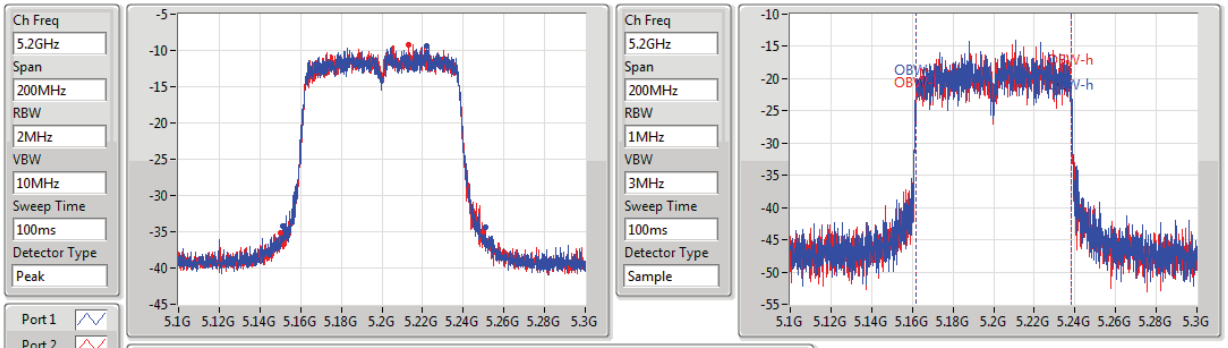


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
98.1M	5.1404G	5.2385G	75.962M	5.152019G	5.227981G	Inf	1
99.3M	5.1405G	5.2398G	75.962M	5.152019G	5.227981G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5200MHz

24/08/2018

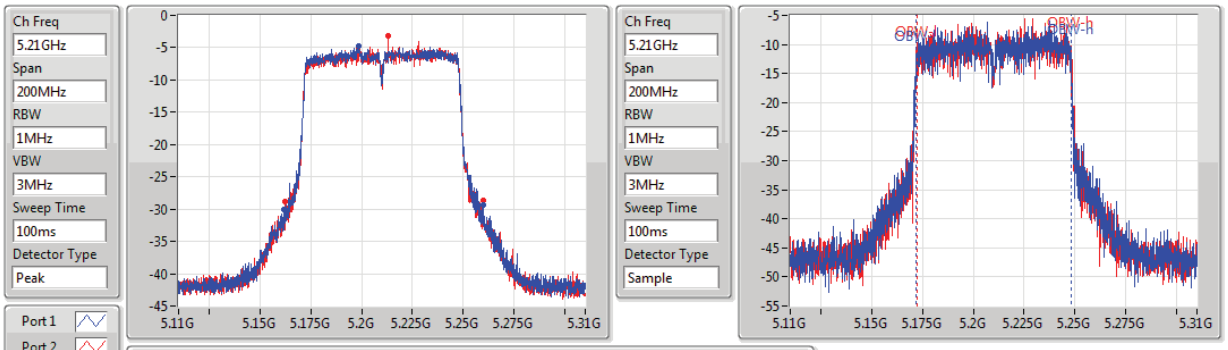


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
99.5M	5.1515G	5.251G	76.262M	5.161919G	5.238181G	Inf	1
100M	5.1499G	5.2499G	76.162M	5.161919G	5.238081G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

24/08/2018

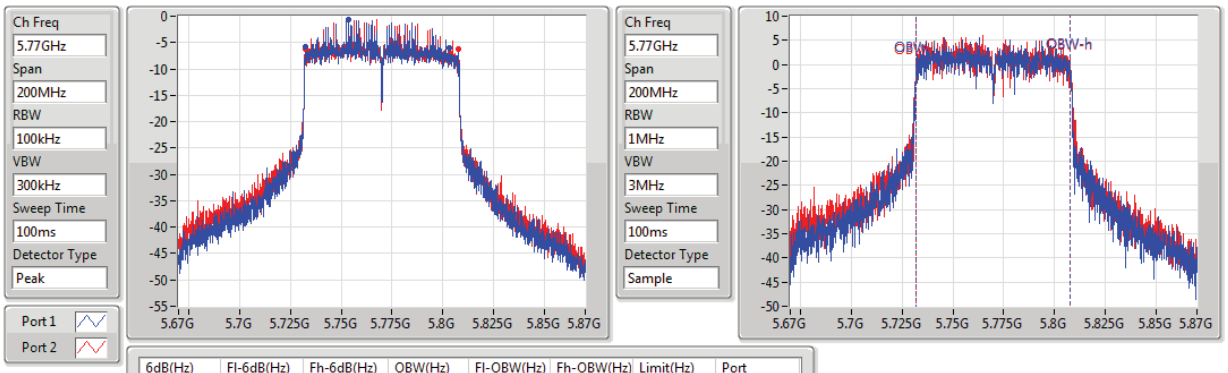


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
98.3M	5.1617G	5.26G	75.962M	5.172019G	5.247981G	Inf	1
97M	5.1626G	5.2596G	75.862M	5.172119G	5.247981G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5770MHz

24/08/2018

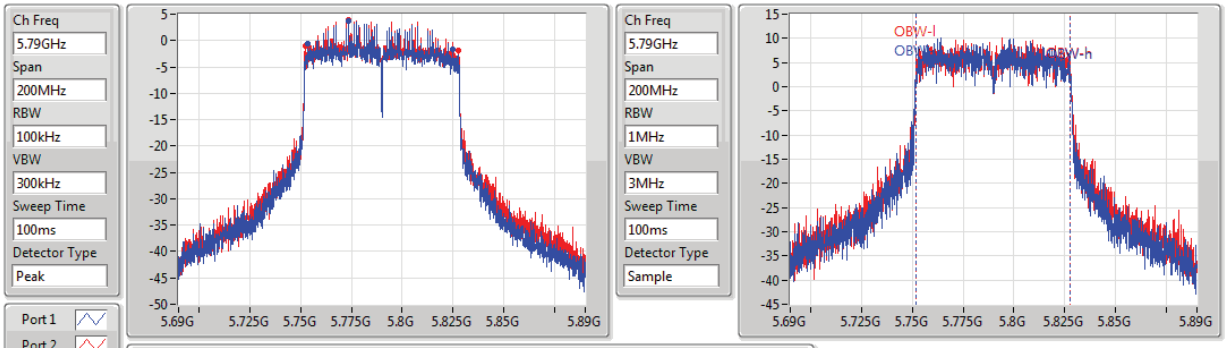


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
70.9M	5.7325G	5.8034G	75.862M	5.731919G	5.807781G	500k	1
75M	5.7325G	5.8075G	75.862M	5.731919G	5.807781G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5790MHz

24/08/2018

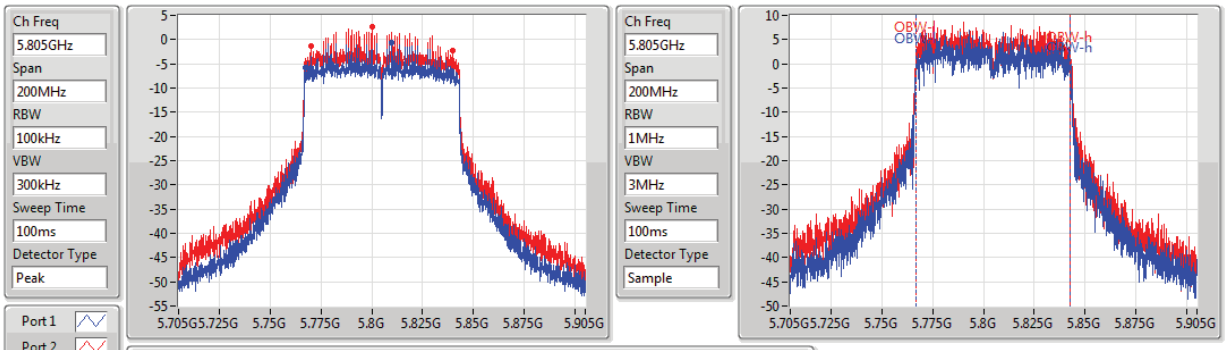


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
71.3M	5.7537G	5.825G	75.762M	5.752019G	5.827781G	500k	1
75M	5.7525G	5.8275G	75.762M	5.752019G	5.827781G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5805MHz

24/08/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
71.9M	5.7675G	5.8394G	75.862M	5.766919G	5.842781G	500k	1
70M	5.77G	5.84G	75.862M	5.766919G	5.842781G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	-5.77	0.00026	20.23	0.10544
802.11ac VHT10_Nss1,(MCS0)_2TX	-5.56	0.00028	20.44	0.11066
802.11ac VHT20_Nss1,(MCS0)_2TX	-5.58	0.00028	20.42	0.11015
802.11ac VHT30_Nss1,(MCS0)_2TX	-5.04	0.00031	20.96	0.12474
802.11ac VHT40_Nss1,(MCS0)_2TX	-5.01	0.00032	20.99	0.12560
802.11ac VHT50_Nss1,(MCS0)_2TX	-5.02	0.00031	20.98	0.12531
802.11ac VHT60_Nss1,(MCS0)_2TX	-5.01	0.00032	20.99	0.12560
802.11ac VHT80_Nss1,(MCS0)_2TX	-5.54	0.00028	20.46	0.11117
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	9.96	0.00991	35.96	3.94457
802.11ac VHT10_Nss1,(MCS0)_2TX	9.78	0.00951	35.78	3.78443
802.11ac VHT20_Nss1,(MCS0)_2TX	9.93	0.00984	35.93	3.91742
802.11ac VHT30_Nss1,(MCS0)_2TX	9.56	0.00904	35.56	3.59749
802.11ac VHT40_Nss1,(MCS0)_2TX	9.97	0.00993	35.97	3.95367
802.11ac VHT50_Nss1,(MCS0)_2TX	9.87	0.00971	35.87	3.86367
802.11ac VHT60_Nss1,(MCS0)_2TX	9.97	0.00993	35.97	3.95367
802.11ac VHT80_Nss1,(MCS0)_2TX	9.92	0.00982	35.92	3.90841

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5165MHz_TnomVnom	Pass	26.00	-8.90	-8.92	-5.90	10.00	20.10	36.00
5200MHz_TnomVnom	Pass	26.00	-8.76	-8.81	-5.77	10.00	20.23	36.00
5240MHz_TnomVnom	Pass	26.00	-8.89	-8.91	-5.89	10.00	20.11	36.00
5740MHz_TnomVnom	Pass	26.00	6.78	7.11	9.96	10.00	35.96	36.00
5790MHz_TnomVnom	Pass	26.00	6.08	6.41	9.26	10.00	35.26	36.00
5835MHz_TnomVnom	Pass	26.00	5.95	6.24	9.11	10.00	35.11	36.00
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5160MHz_TnomVnom	Pass	26.00	-8.96	-8.79	-5.86	10.00	20.14	36.00
5200MHz_TnomVnom	Pass	26.00	-8.70	-8.45	-5.56	10.00	20.44	36.00
5245MHz_TnomVnom	Pass	26.00	-8.99	-8.69	-5.83	10.00	20.17	36.00
5735MHz_TnomVnom	Pass	26.00	6.31	5.93	9.13	10.00	35.13	36.00
5790MHz_TnomVnom	Pass	26.00	6.14	6.37	9.27	10.00	35.27	36.00
5840MHz_TnomVnom	Pass	26.00	6.67	6.87	9.78	10.00	35.78	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5165MHz_TnomVnom	Pass	26.00	-8.97	-8.74	-5.84	10.00	20.16	36.00
5200MHz_TnomVnom	Pass	26.00	-8.60	-8.58	-5.58	10.00	20.42	36.00
5240MHz_TnomVnom	Pass	26.00	-8.98	-8.78	-5.87	10.00	20.13	36.00
5740MHz_TnomVnom	Pass	26.00	6.79	7.04	9.93	10.00	35.93	36.00
5790MHz_TnomVnom	Pass	26.00	6.21	6.42	9.33	10.00	35.33	36.00
5835MHz_TnomVnom	Pass	26.00	6.09	6.26	9.19	10.00	35.19	36.00
802.11ac VHT30_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5170MHz_TnomVnom	Pass	26.00	-8.17	-7.96	-5.05	10.00	20.95	36.00
5200MHz_TnomVnom	Pass	26.00	-8.12	-7.99	-5.04	10.00	20.96	36.00
5235MHz_TnomVnom	Pass	26.00	-8.37	-8.17	-5.26	10.00	20.74	36.00
5745MHz_TnomVnom	Pass	26.00	6.37	6.73	9.56	10.00	35.56	36.00
5790MHz_TnomVnom	Pass	26.00	6.24	6.51	9.39	10.00	35.39	36.00
5830MHz_TnomVnom	Pass	26.00	6.19	6.41	9.31	10.00	35.31	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5175MHz_TnomVnom	Pass	26.00	-8.01	-8.03	-5.01	10.00	20.99	36.00
5200MHz_TnomVnom	Pass	26.00	-8.11	-8.03	-5.06	10.00	20.94	36.00
5230MHz_TnomVnom	Pass	26.00	-8.34	-8.18	-5.25	10.00	20.75	36.00
5750MHz_TnomVnom	Pass	26.00	6.39	6.77	9.59	10.00	35.59	36.00
5790MHz_TnomVnom	Pass	26.00	5.96	6.24	9.11	10.00	35.11	36.00
5825MHz_TnomVnom	Pass	26.00	6.99	6.93	9.97	10.00	35.97	36.00
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	26.00	-8.12	-7.95	-5.02	10.00	20.98	36.00
5200MHz_TnomVnom	Pass	26.00	-8.14	-7.95	-5.03	10.00	20.97	36.00
5225MHz_TnomVnom	Pass	26.00	-8.37	-8.26	-5.30	10.00	20.70	36.00
5755MHz_TnomVnom	Pass	26.00	6.54	7.06	9.82	10.00	35.82	36.00
5790MHz_TnomVnom	Pass	26.00	6.05	6.19	9.13	10.00	35.13	36.00
5820MHz_TnomVnom	Pass	26.00	6.61	7.10	9.87	10.00	35.87	36.00
802.11ac VHT60_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5185MHz_TnomVnom	Pass	26.00	-8.08	-7.98	-5.02	10.00	20.98	36.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5200MHz_TnomVnom	Pass	26.00	-8.09	-7.96	-5.01	10.00	20.99	36.00
5220MHz_TnomVnom	Pass	26.00	-8.15	-7.96	-5.04	10.00	20.96	36.00
5760MHz_TnomVnom	Pass	26.00	6.66	6.91	9.80	10.00	35.80	36.00
5790MHz_TnomVnom	Pass	26.00	6.22	6.42	9.33	10.00	35.33	36.00
5815MHz_TnomVnom	Pass	26.00	6.75	7.16	9.97	10.00	35.97	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	26.00	-12.26	-12.36	-9.30	10.00	16.70	36.00
5200MHz_TnomVnom	Pass	26.00	-8.72	-8.38	-5.54	10.00	20.46	36.00
5210MHz_TnomVnom	Pass	26.00	-8.69	-8.59	-5.63	10.00	20.37	36.00
5770MHz_TnomVnom	Pass	26.00	6.53	6.76	9.66	10.00	35.66	36.00
5790MHz_TnomVnom	Pass	26.00	6.67	7.06	9.88	10.00	35.88	36.00
5805MHz_TnomVnom	Pass	26.00	6.64	7.16	9.92	10.00	35.92	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	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.39	0.21827	49.39	86.89604
802.11ac VHT10_Nss1,(MCS0)_2TX	21.20	0.13183	47.20	52.48075
802.11ac VHT20_Nss1,(MCS0)_2TX	23.37	0.21727	49.37	86.49679
802.11ac VHT30_Nss1,(MCS0)_2TX	25.23	0.33343	51.23	132.73945
802.11ac VHT40_Nss1,(MCS0)_2TX	24.42	0.27669	50.42	110.15393
802.11ac VHT50_Nss1,(MCS0)_2TX	18.28	0.06730	44.28	26.79168
802.11ac VHT60_Nss1,(MCS0)_2TX	20.15	0.10351	46.15	41.20975
802.11ac VHT80_Nss1,(MCS0)_2TX	5.78	0.00378	31.78	1.50661
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	18.40	0.06918	44.40	27.54229
802.11ac VHT10_Nss1,(MCS0)_2TX	15.55	0.03589	41.55	14.28894
802.11ac VHT20_Nss1,(MCS0)_2TX	18.41	0.06934	44.41	27.60578
802.11ac VHT30_Nss1,(MCS0)_2TX	18.20	0.06607	44.20	26.30268
802.11ac VHT40_Nss1,(MCS0)_2TX	18.33	0.06808	44.33	27.10192
802.11ac VHT50_Nss1,(MCS0)_2TX	17.96	0.06252	43.96	24.88857
802.11ac VHT60_Nss1,(MCS0)_2TX	18.35	0.06839	44.35	27.22701
802.11ac VHT80_Nss1,(MCS0)_2TX	18.35	0.06839	44.35	27.22701

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5165MHz	Pass	26.00	-0.51	-0.64	2.44	27.00	28.44	53.00
5200MHz	Pass	26.00	19.98	20.48	23.25	27.00	49.25	53.00
5240MHz	Pass	26.00	20.14	20.61	23.39	27.00	49.39	53.00
5740MHz	Pass	26.00	15.22	15.25	18.25	30.00	44.25	Inf
5790MHz	Pass	26.00	14.91	15.83	18.40	30.00	44.40	Inf
5835MHz	Pass	26.00	14.92	15.82	18.40	30.00	44.40	Inf
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5160MHz	Pass	26.00	0.64	0.25	3.46	27.00	29.46	53.00
5200MHz	Pass	26.00	14.64	15.58	18.15	27.00	44.15	53.00
5245MHz	Pass	26.00	17.85	18.50	21.20	27.00	47.20	53.00
5735MHz	Pass	26.00	9.33	9.00	12.18	30.00	38.18	Inf
5790MHz	Pass	26.00	12.29	12.78	15.55	30.00	41.55	Inf
5840MHz	Pass	26.00	10.73	10.88	13.82	30.00	39.82	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5165MHz	Pass	26.00	-3.49	-3.62	-0.54	27.00	25.46	53.00
5200MHz	Pass	26.00	19.86	20.27	23.08	27.00	49.08	53.00
5240MHz	Pass	26.00	19.88	20.79	23.37	27.00	49.37	53.00
5740MHz	Pass	26.00	14.71	15.99	18.41	30.00	44.41	Inf
5790MHz	Pass	26.00	15.12	15.64	18.40	30.00	44.40	Inf
5835MHz	Pass	26.00	14.43	15.77	18.16	30.00	44.16	Inf
802.11ac VHT30_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5170MHz	Pass	26.00	-5.45	-5.33	-2.38	27.00	23.62	53.00
5200MHz	Pass	26.00	19.66	20.37	23.04	27.00	49.04	53.00
5235MHz	Pass	26.00	21.83	22.57	25.23	27.00	51.23	53.00
5745MHz	Pass	26.00	15.19	14.39	17.82	30.00	43.82	Inf
5790MHz	Pass	26.00	14.76	15.38	18.09	30.00	44.09	Inf
5830MHz	Pass	26.00	14.26	15.96	18.20	30.00	44.20	Inf
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5175MHz	Pass	26.00	-7.85	-7.95	-4.89	27.00	21.11	53.00
5200MHz	Pass	26.00	14.01	14.39	17.21	27.00	43.21	53.00
5230MHz	Pass	26.00	21.13	21.68	24.42	27.00	50.42	53.00
5750MHz	Pass	26.00	14.26	15.42	17.89	30.00	43.89	Inf
5790MHz	Pass	26.00	14.64	15.00	17.83	30.00	43.83	Inf
5825MHz	Pass	26.00	14.56	15.96	18.33	30.00	44.33	Inf
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	26.00	-7.59	-7.59	-4.58	27.00	21.42	53.00
5200MHz	Pass	26.00	10.46	10.61	13.55	27.00	39.55	53.00
5225MHz	Pass	26.00	15.23	15.31	18.28	27.00	44.28	53.00
5755MHz	Pass	26.00	14.59	15.06	17.84	30.00	43.84	Inf
5790MHz	Pass	26.00	14.64	15.07	17.87	30.00	43.87	Inf
5820MHz	Pass	26.00	14.46	15.39	17.96	30.00	43.96	Inf
802.11ac VHT60_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5185MHz	Pass	26.00	-2.87	-2.88	0.14	27.00	26.14	53.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5200MHz	Pass	26.00	10.63	10.62	13.64	27.00	39.64	53.00
5220MHz	Pass	26.00	17.20	17.07	20.15	27.00	46.15	53.00
5760MHz	Pass	26.00	15.20	15.48	18.35	30.00	44.35	Inf
5790MHz	Pass	26.00	14.70	15.14	17.94	30.00	43.94	Inf
5815MHz	Pass	26.00	14.63	15.89	18.32	30.00	44.32	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	26.00	-8.33	-8.46	-5.38	27.00	20.62	53.00
5200MHz	Pass	26.00	-2.86	-2.78	0.19	27.00	26.19	53.00
5210MHz	Pass	26.00	2.88	2.66	5.78	27.00	31.78	53.00
5770MHz	Pass	26.00	15.06	15.35	18.22	30.00	44.22	Inf
5790MHz	Pass	26.00	15.16	15.51	18.35	30.00	44.35	Inf
5805MHz	Pass	26.00	14.59	15.96	18.34	30.00	44.34	Inf

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	-17.50	11.51
802.11ac VHT10_Nss1,(MCS0)_2TX	-14.91	14.10
802.11ac VHT20_Nss1,(MCS0)_2TX	-17.72	11.29
802.11ac VHT30_Nss1,(MCS0)_2TX	-18.68	10.33
802.11ac VHT40_Nss1,(MCS0)_2TX	-19.97	9.04
802.11ac VHT50_Nss1,(MCS0)_2TX	-20.65	8.36
802.11ac VHT60_Nss1,(MCS0)_2TX	-21.27	7.74
802.11ac VHT80_Nss1,(MCS0)_2TX	-23.17	5.84
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	-4.64	24.37
802.11ac VHT10_Nss1,(MCS0)_2TX	-2.39	26.62
802.11ac VHT20_Nss1,(MCS0)_2TX	-4.92	24.09
802.11ac VHT30_Nss1,(MCS0)_2TX	-6.91	22.10
802.11ac VHT40_Nss1,(MCS0)_2TX	-7.72	21.29
802.11ac VHT50_Nss1,(MCS0)_2TX	-8.69	20.32
802.11ac VHT60_Nss1,(MCS0)_2TX	-9.15	19.86
802.11ac VHT80_Nss1,(MCS0)_2TX	-10.44	18.57

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

Result

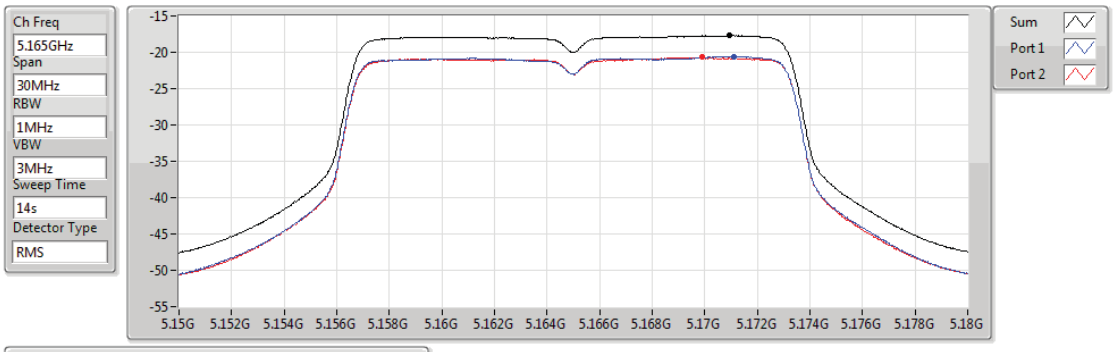
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5165MHz_TnomVnom	Pass	29.01	-20.57	-20.70	-17.70	-6.01	11.31	23.00
5200MHz_TnomVnom	Pass	29.01	-20.52	-20.31	-17.50	-6.01	11.51	23.00
5240MHz_TnomVnom	Pass	29.01	-20.72	-20.62	-17.77	-6.01	11.24	23.00
5740MHz_TnomVnom	Pass	29.01	-7.80	-7.48	-4.64	6.99	24.37	36.00
5790MHz_TnomVnom	Pass	29.01	-8.65	-8.27	-5.46	6.99	23.55	36.00
5835MHz_TnomVnom	Pass	29.01	-8.78	-8.41	-5.59	6.99	23.42	36.00
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5160MHz_TnomVnom	Pass	29.01	-18.16	-18.11	-15.23	-6.01	13.78	23.00
5200MHz_TnomVnom	Pass	29.01	-17.90	-17.88	-14.91	-6.01	14.10	23.00
5245MHz_TnomVnom	Pass	29.01	-18.24	-18.11	-15.28	-6.01	13.73	23.00
5735MHz_TnomVnom	Pass	29.01	-6.28	-6.23	-3.24	6.99	25.77	36.00
5790MHz_TnomVnom	Pass	29.01	-6.24	-5.81	-3.02	6.99	25.99	36.00
5840MHz_TnomVnom	Pass	29.01	-5.47	-5.32	-2.39	6.99	26.62	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5165MHz_TnomVnom	Pass	29.01	-21.09	-20.79	-18.00	-6.01	11.01	23.00
5200MHz_TnomVnom	Pass	29.01	-20.75	-20.70	-17.72	-6.01	11.29	23.00
5240MHz_TnomVnom	Pass	29.01	-21.08	-20.99	-18.09	-6.01	10.92	23.00
5740MHz_TnomVnom	Pass	29.01	-8.11	-7.73	-4.92	6.99	24.09	36.00
5790MHz_TnomVnom	Pass	29.01	-8.70	-8.31	-5.50	6.99	23.51	36.00
5835MHz_TnomVnom	Pass	29.01	-8.72	-8.47	-5.61	6.99	23.40	36.00
802.11ac VHT30_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5170MHz_TnomVnom	Pass	29.01	-21.97	-21.63	-18.82	-6.01	10.19	23.00
5200MHz_TnomVnom	Pass	29.01	-21.61	-21.77	-18.68	-6.01	10.33	23.00
5235MHz_TnomVnom	Pass	29.01	-22.14	-21.90	-19.10	-6.01	9.91	23.00
5745MHz_TnomVnom	Pass	29.01	-10.15	-9.86	-7.02	6.99	21.99	36.00
5790MHz_TnomVnom	Pass	29.01	-10.10	-9.72	-6.91	6.99	22.10	36.00
5830MHz_TnomVnom	Pass	29.01	-10.21	-9.99	-7.09	6.99	21.92	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5175MHz_TnomVnom	Pass	29.01	-22.88	-22.89	-19.97	-6.01	9.04	23.00
5200MHz_TnomVnom	Pass	29.01	-22.91	-22.93	-19.98	-6.01	9.03	23.00
5230MHz_TnomVnom	Pass	29.01	-23.18	-23.15	-20.20	-6.01	8.81	23.00
5750MHz_TnomVnom	Pass	29.01	-11.35	-10.87	-8.11	6.99	20.90	36.00
5790MHz_TnomVnom	Pass	29.01	-11.65	-11.47	-8.59	6.99	20.42	36.00
5825MHz_TnomVnom	Pass	29.01	-10.74	-10.72	-7.72	6.99	21.29	36.00
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	29.01	-23.59	-23.64	-20.65	-6.01	8.36	23.00
5200MHz_TnomVnom	Pass	29.01	-23.75	-23.67	-20.77	-6.01	8.24	23.00
5225MHz_TnomVnom	Pass	29.01	-23.96	-23.97	-21.01	-6.01	8.00	23.00
5755MHz_TnomVnom	Pass	29.01	-12.10	-11.62	-8.86	6.99	20.15	36.00
5790MHz_TnomVnom	Pass	29.01	-12.51	-12.26	-9.39	6.99	19.62	36.00
5820MHz_TnomVnom	Pass	29.01	-11.93	-11.42	-8.69	6.99	20.32	36.00
802.11ac VHT60_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5185MHz_TnomVnom	Pass	29.01	-24.37	-24.08	-21.27	-6.01	7.74	23.00

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_TnomVnom	Pass	29.01	-24.25	-24.27	-21.30	-6.01	7.71	23.00
5220MHz_TnomVnom	Pass	29.01	-24.42	-24.39	-21.42	-6.01	7.59	23.00
5760MHz_TnomVnom	Pass	29.01	-12.60	-12.28	-9.46	6.99	19.55	36.00
5790MHz_TnomVnom	Pass	29.01	-12.89	-12.79	-9.85	6.99	19.16	36.00
5815MHz_TnomVnom	Pass	29.01	-12.33	-11.98	-9.15	6.99	19.86	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	29.01	-31.93	-32.05	-29.07	-6.01	-0.06	23.00
5200MHz_TnomVnom	Pass	29.01	-26.17	-25.98	-23.17	-6.01	5.84	23.00
5210MHz_TnomVnom	Pass	29.01	-26.18	-26.19	-23.20	-6.01	5.81	23.00
5770MHz_TnomVnom	Pass	29.01	-14.14	-13.91	-11.08	6.99	17.93	36.00
5790MHz_TnomVnom	Pass	29.01	-13.79	-13.42	-10.62	6.99	18.39	36.00
5805MHz_TnomVnom	Pass	29.01	-13.58	-13.29	-10.44	6.99	18.57	36.00

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;

802.11a_Nss1,(6Mbps)_2TX **PSD**

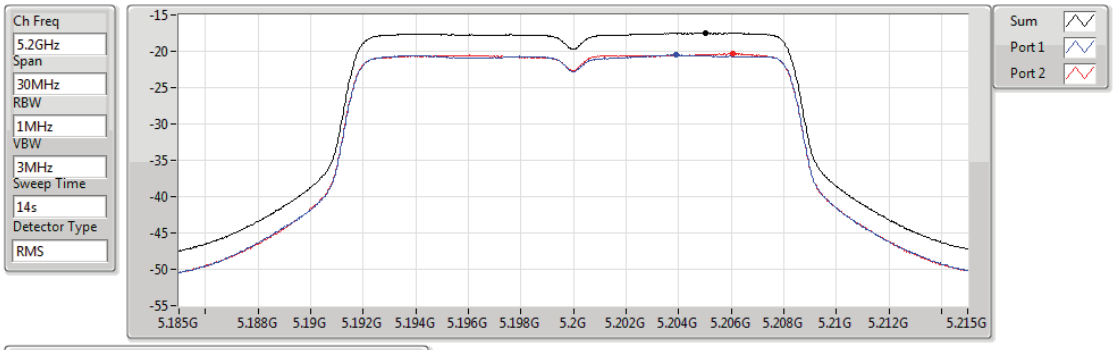
5165MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.70	-17.70	-20.57	-20.70

802.11a_Nss1,(6Mbps)_2TX **PSD**

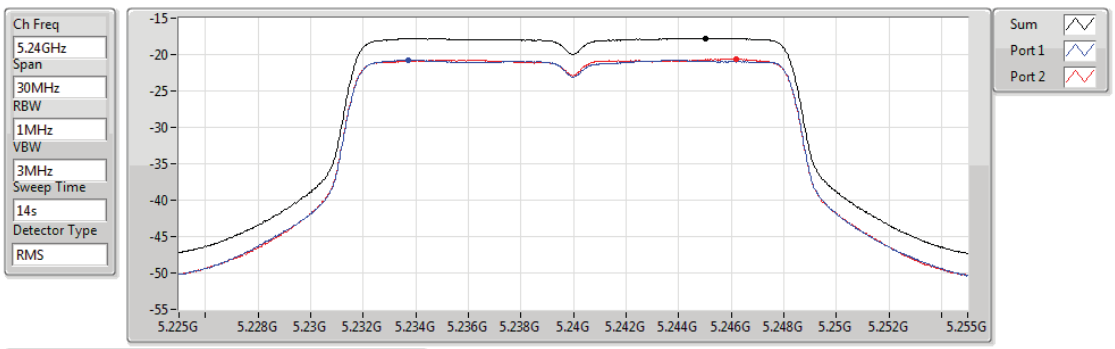
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.50	-17.50	-20.52	-20.31

802.11a_Nss1,(6Mbps)_2TX **PSD**

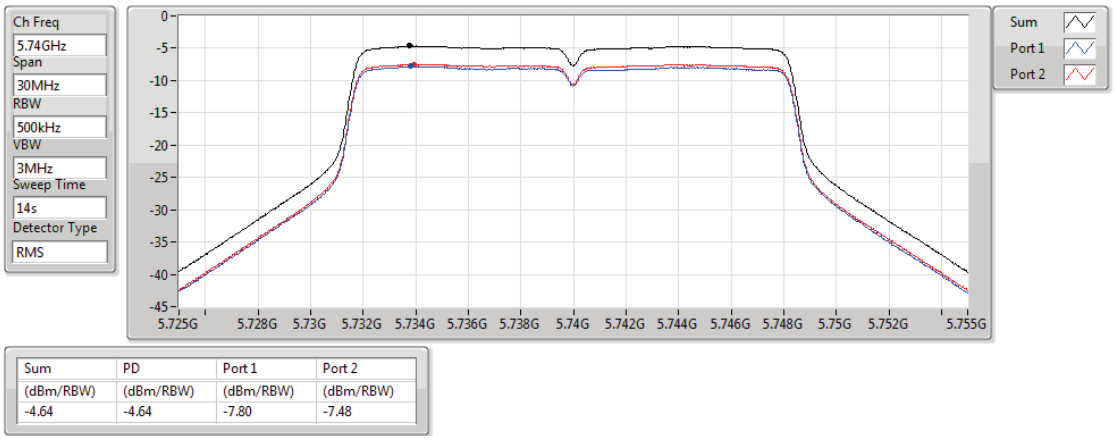
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.77	-17.77	-20.72	-20.62

802.11a_Nss1,(6Mbps)_2TX **PSD**

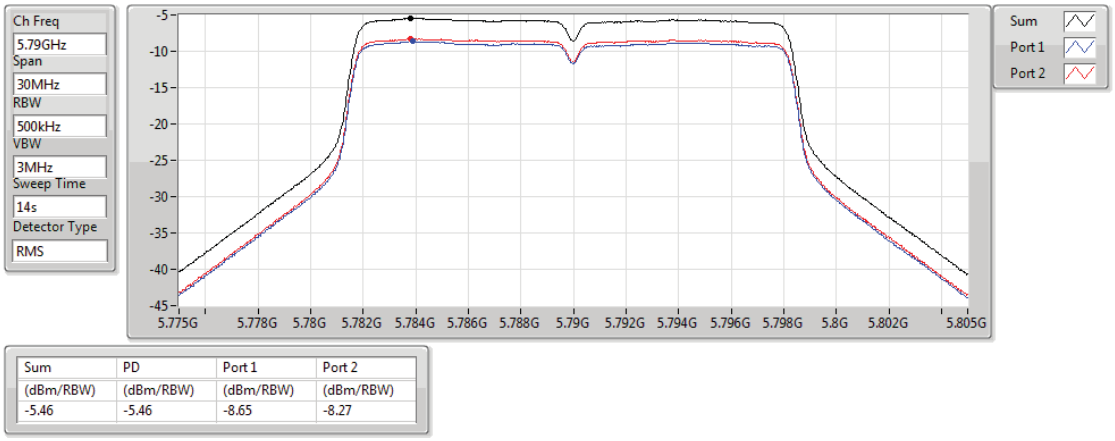
5740MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.64	-4.64	-7.80	-7.48

802.11a_Nss1,(6Mbps)_2TX **PSD**

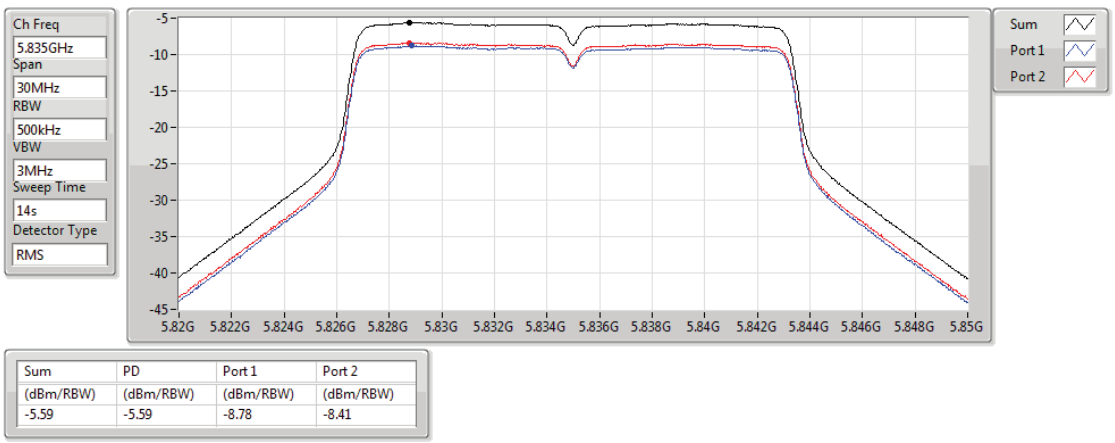
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.46	-5.46	-8.65	-8.27

802.11a_Nss1,(6Mbps)_2TX **PSD**

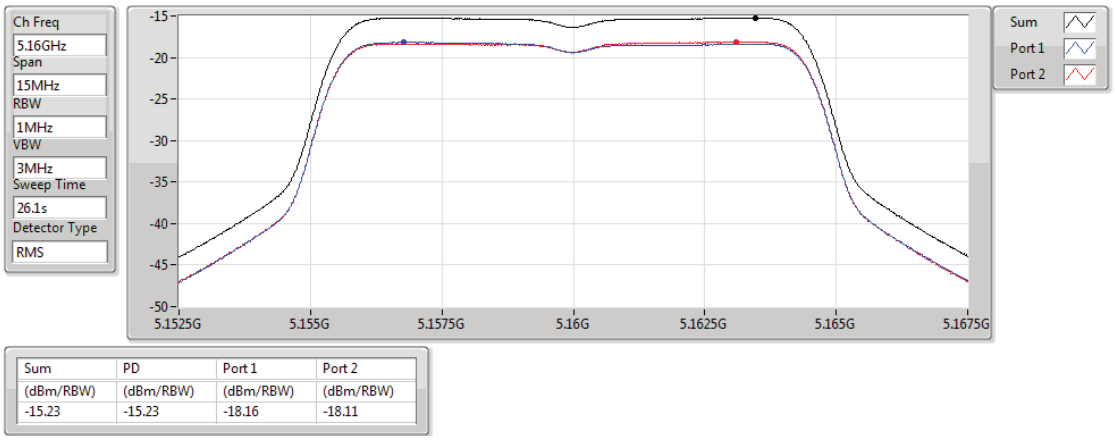
5835MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.59	-5.59	-8.78	-8.41

802.11ac VHT10_Nss1,(MCS0)_2TX PSD

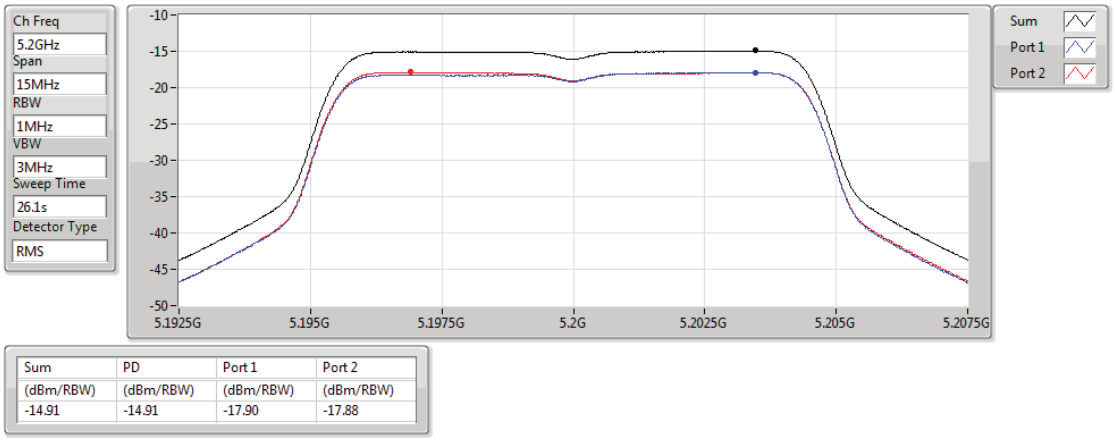
5160MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.23	-15.23	-18.16	-18.11

802.11ac VHT10_Nss1,(MCS0)_2TX PSD

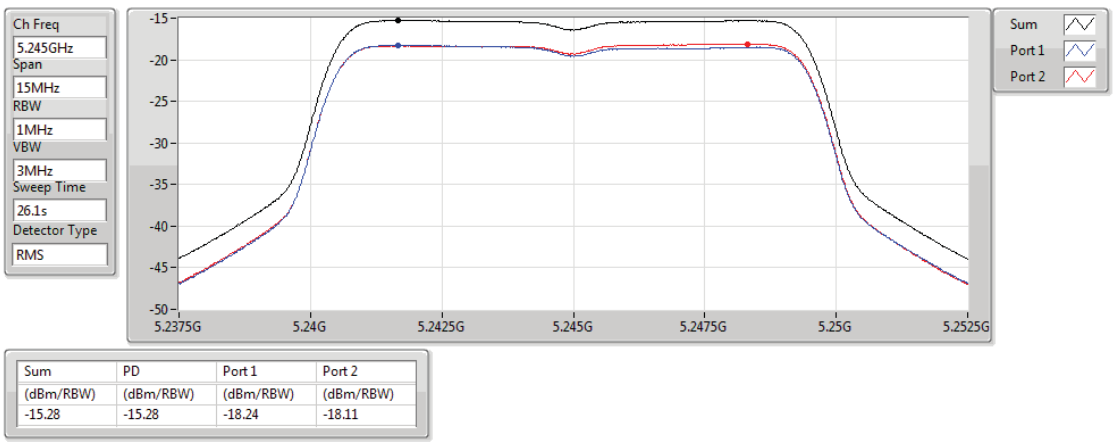
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.91	-14.91	-17.90	-17.88

802.11ac VHT10_Nss1,(MCS0)_2TX PSD

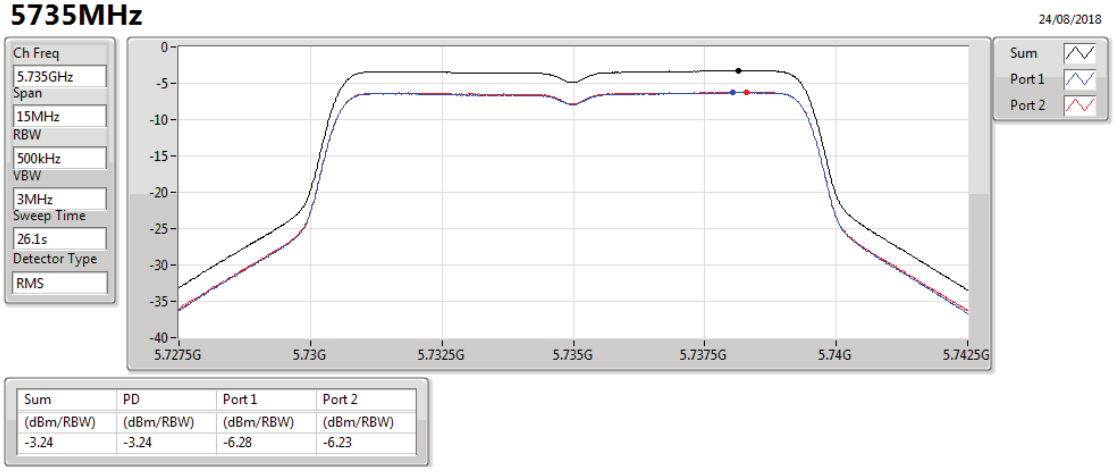
5245MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.28	-15.28	-18.24	-18.11

802.11ac VHT10_Nss1,(MCS0)_2TX **PSD**

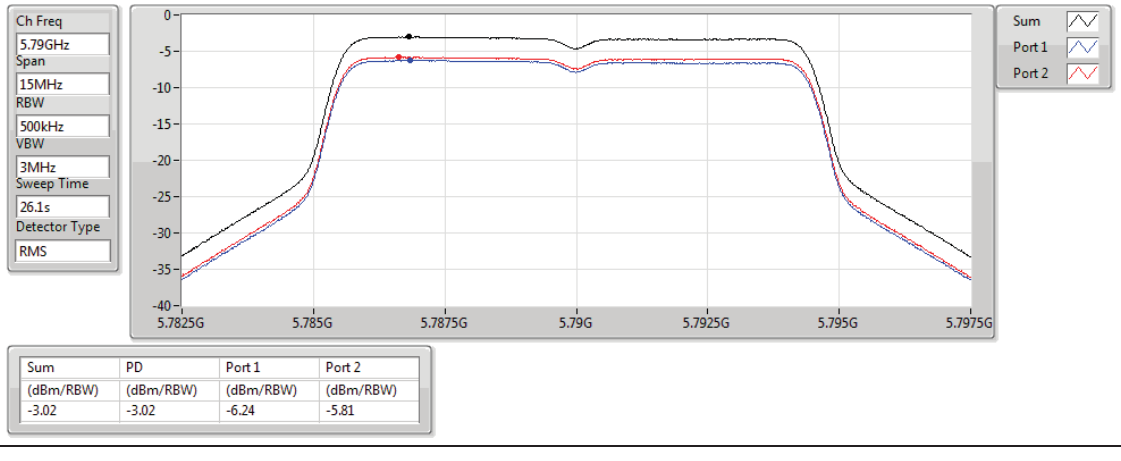
5735MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.24	-3.24	-6.28	-6.23

802.11ac VHT10_Nss1,(MCS0)_2TX **PSD**

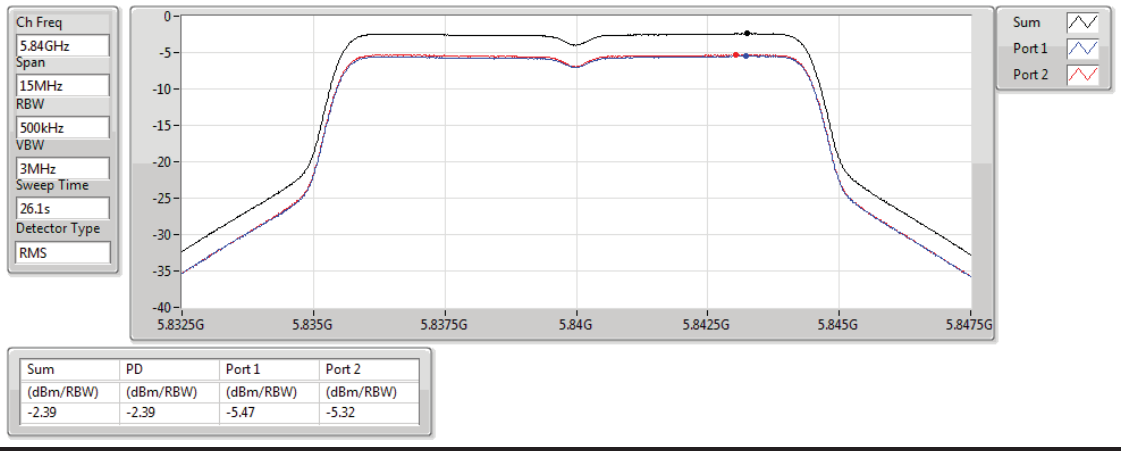
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.02	-3.02	-6.24	-5.81

802.11ac VHT10_Nss1,(MCS0)_2TX **PSD**

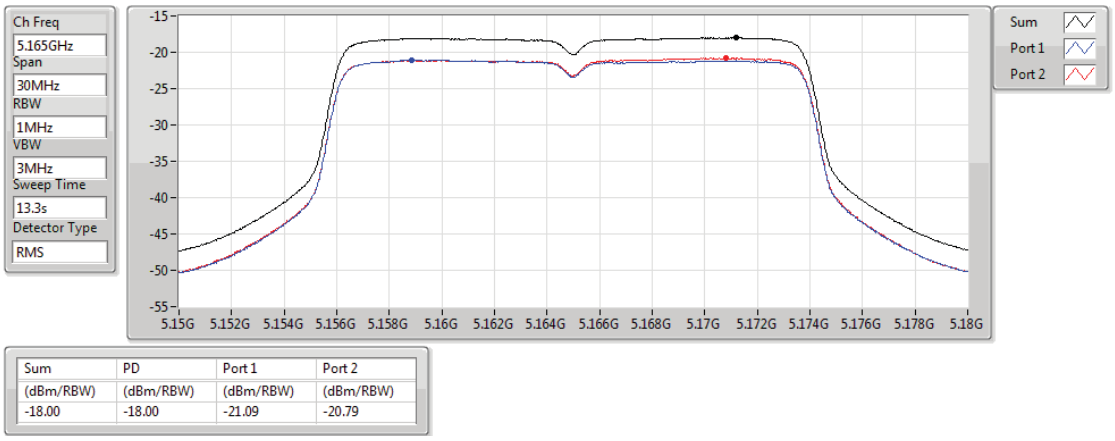
5840MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.39	-2.39	-5.47	-5.32

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

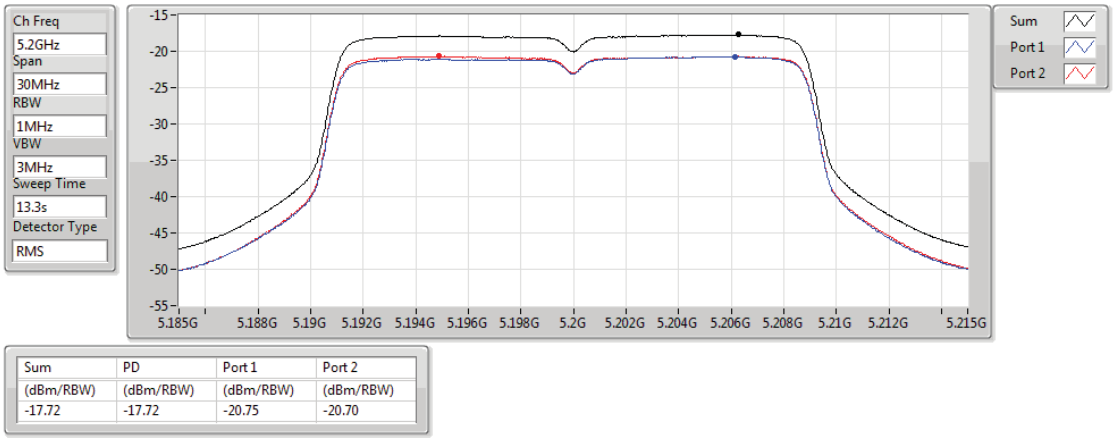
5165MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-18.00	-18.00	-21.09	-20.79

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

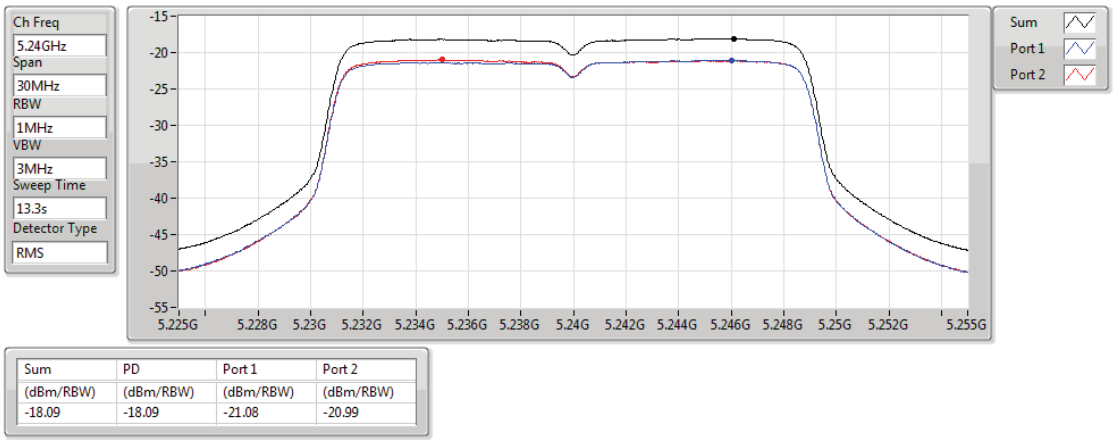
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.72	-17.72	-20.75	-20.70

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

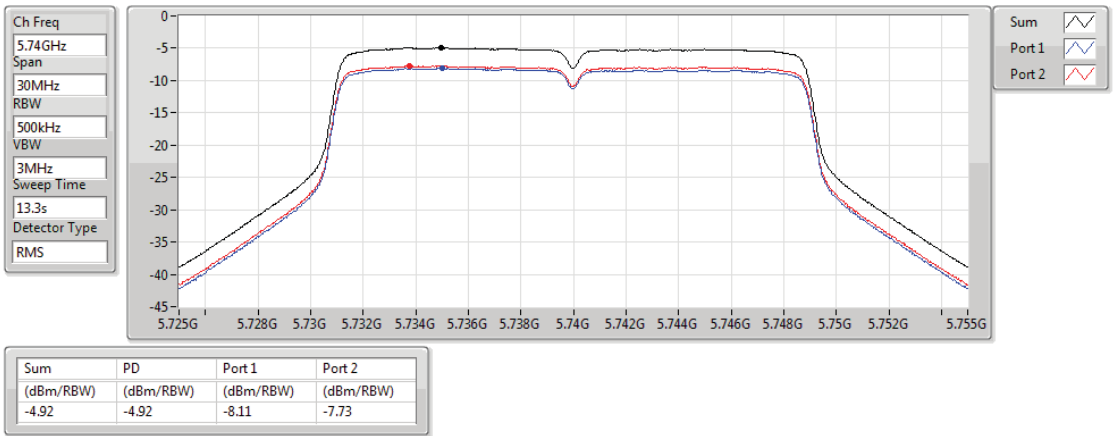
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-18.09	-18.09	-21.08	-20.99

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

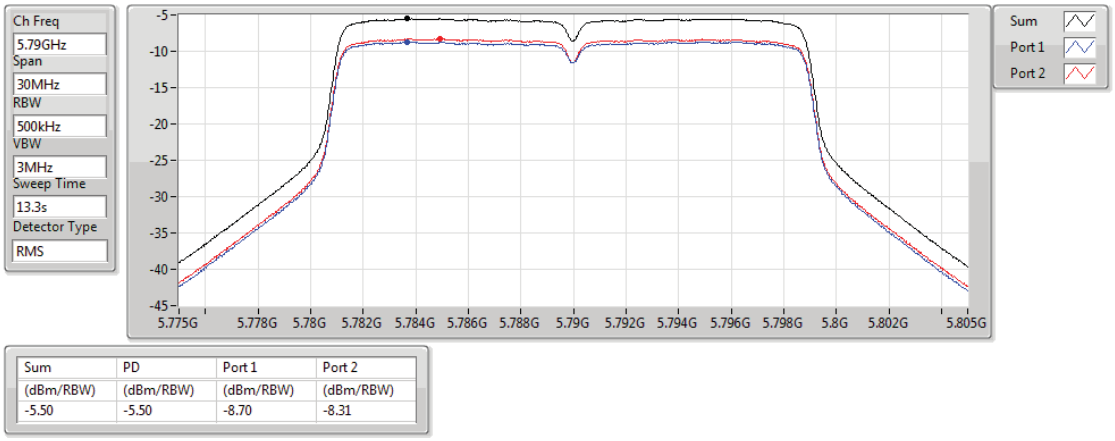
5740MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.92	-4.92	-8.11	-7.73

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

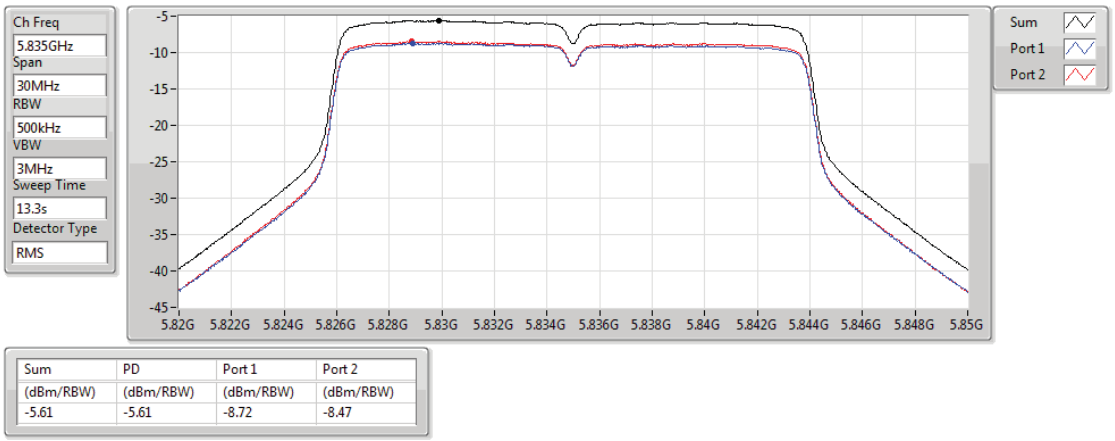
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.50	-5.50	-8.70	-8.31

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

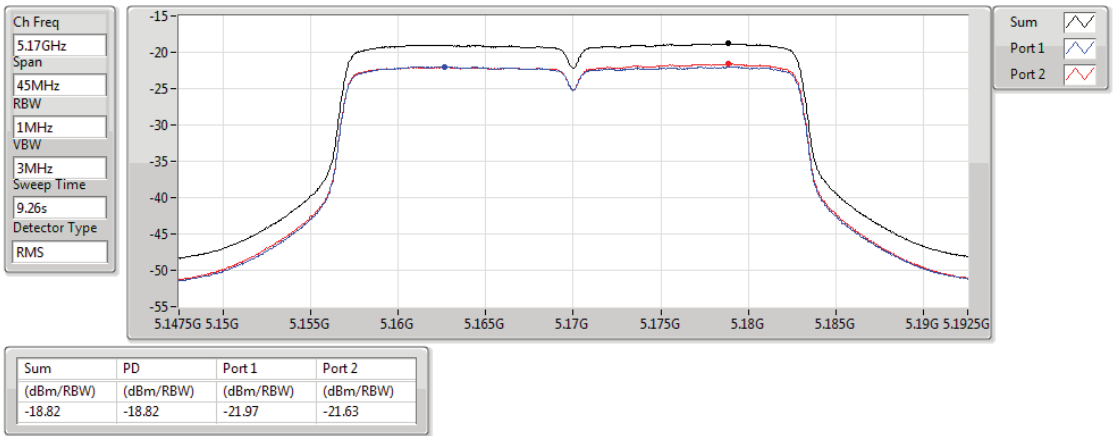
5835MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.61	-5.61	-8.72	-8.47

802.11ac VHT30_Nss1,(MCS0)_2TX **PSD**

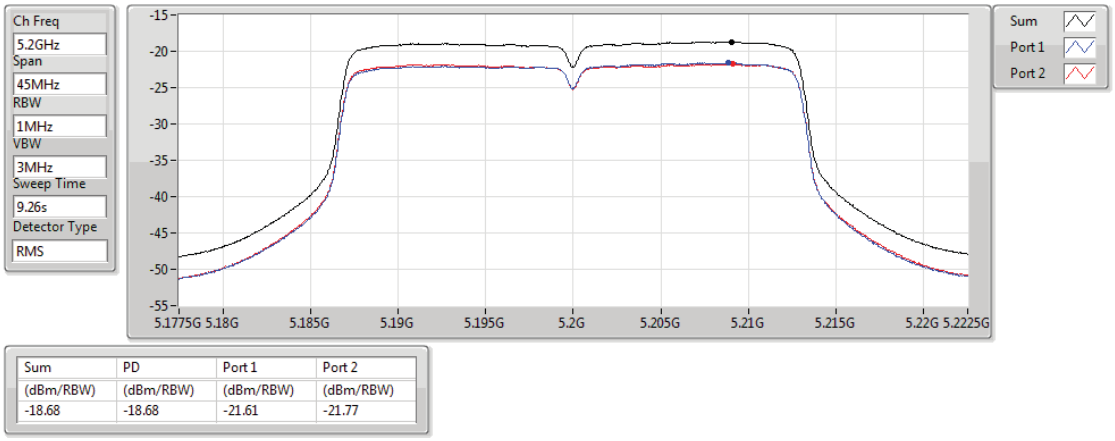
5170MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-18.82	-18.82	-21.97	-21.63

802.11ac VHT30_Nss1,(MCS0)_2TX **PSD**

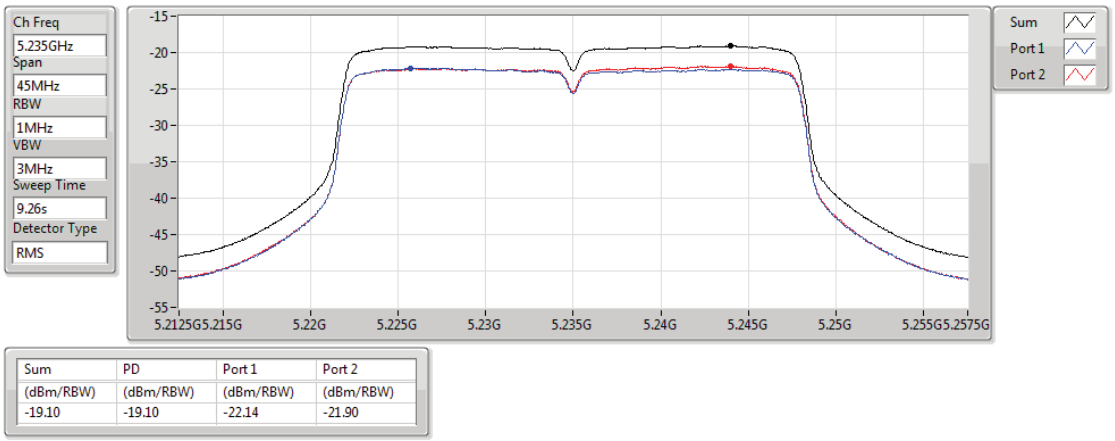
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-18.68	-18.68	-21.61	-21.77

802.11ac VHT30_Nss1,(MCS0)_2TX **PSD**

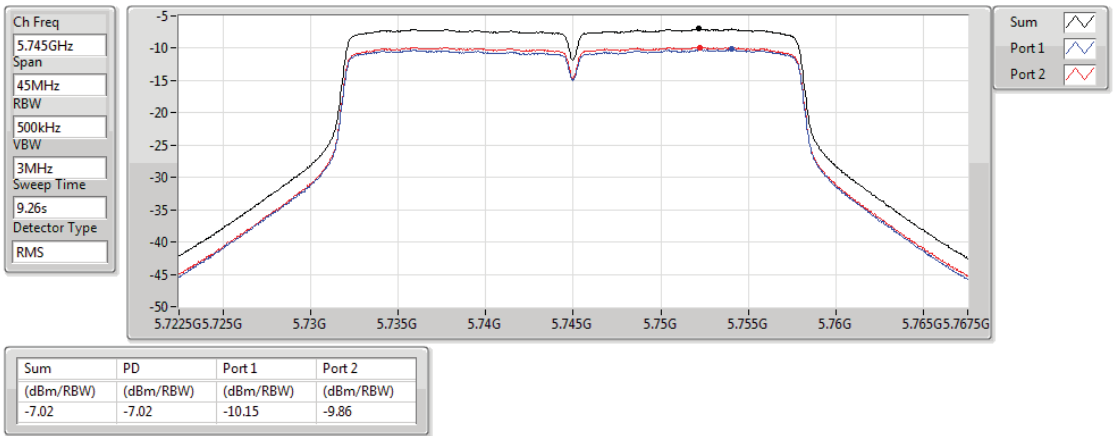
5235MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.10	-19.10	-22.14	-21.90

802.11ac VHT30_Nss1,(MCS0)_2TX **PSD**

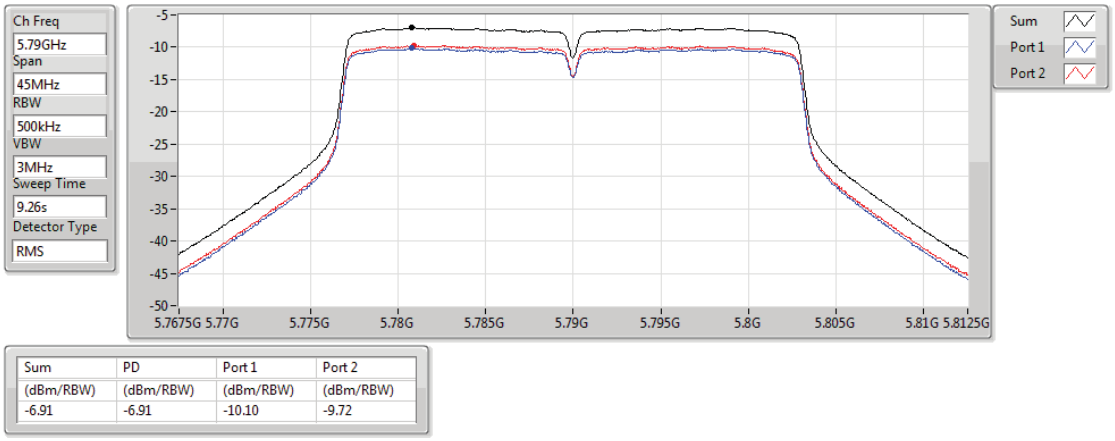
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.02	-7.02	-10.15	-9.86

802.11ac VHT30_Nss1,(MCS0)_2TX **PSD**

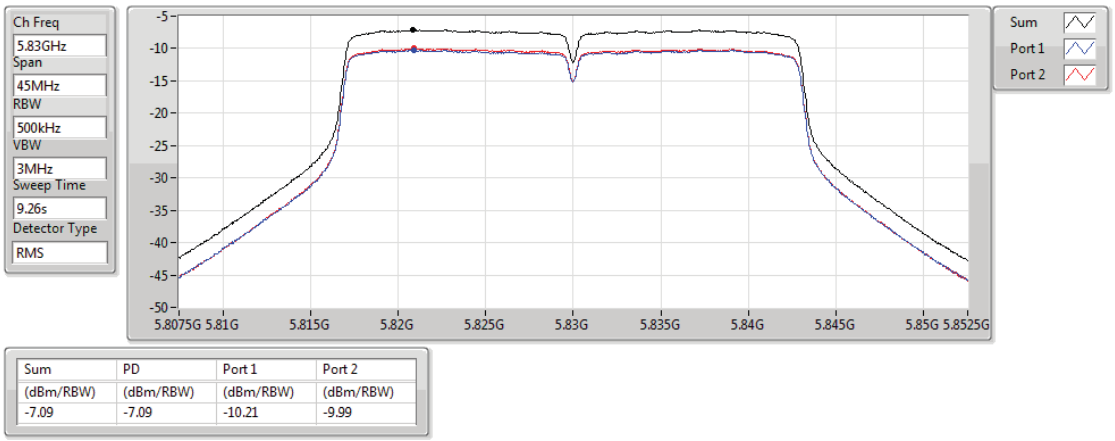
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.91	-6.91	-10.10	-9.72

802.11ac VHT30_Nss1,(MCS0)_2TX **PSD**

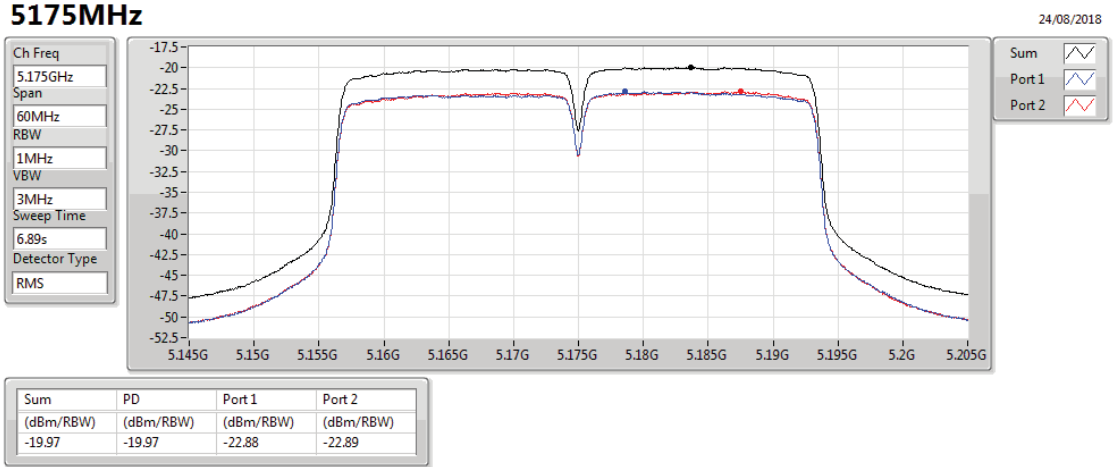
5830MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.09	-7.09	-10.21	-9.99

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

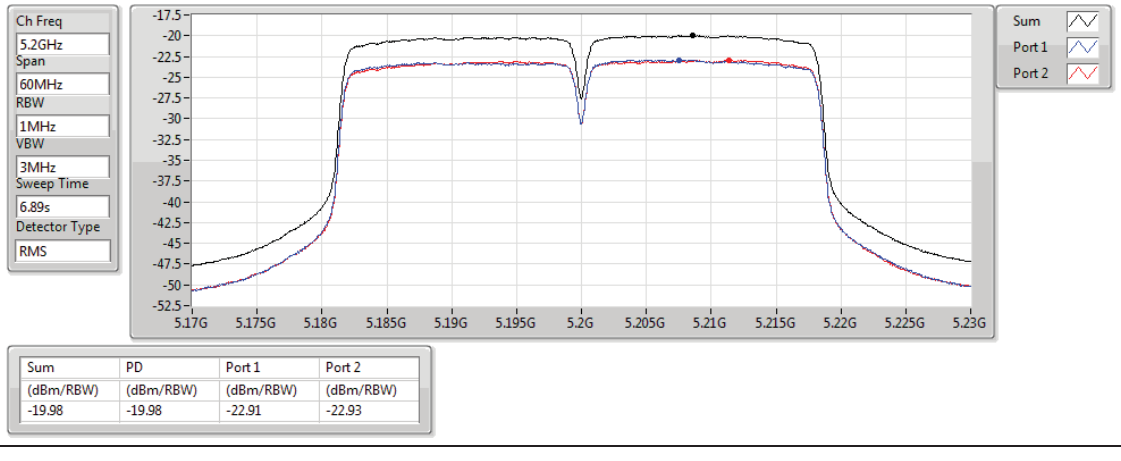
5175MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.97	-19.97	-22.88	-22.89

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

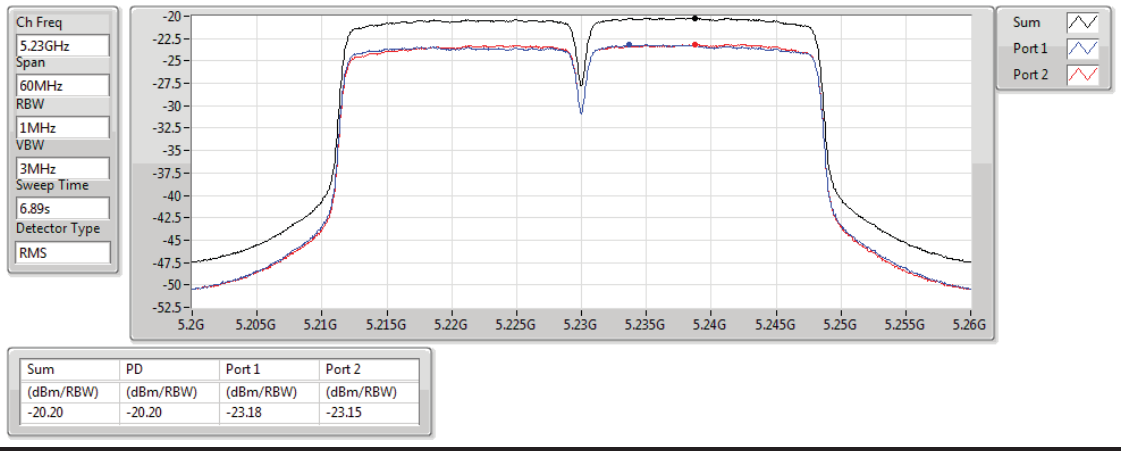
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.98	-19.98	-22.91	-22.93

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

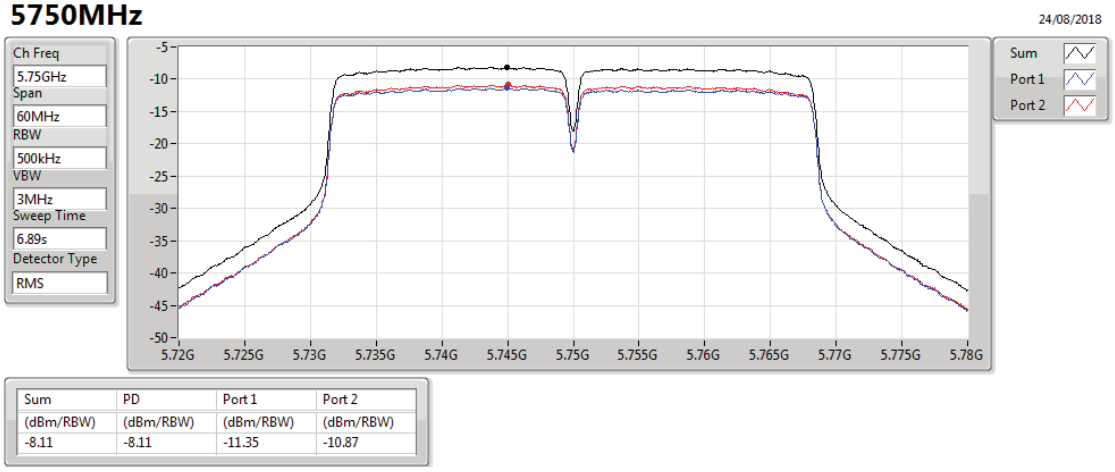
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-20.20	-20.20	-23.18	-23.15

802.11ac VHT40_Nss1,(MCS0)_2TX **PSD**

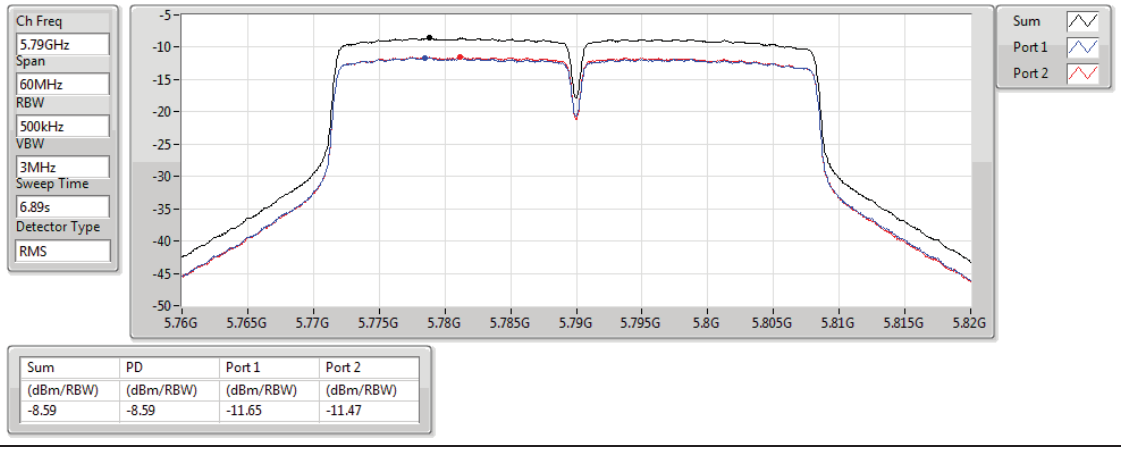
5750MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.11	-8.11	-11.35	-10.87

802.11ac VHT40_Nss1,(MCS0)_2TX **PSD**

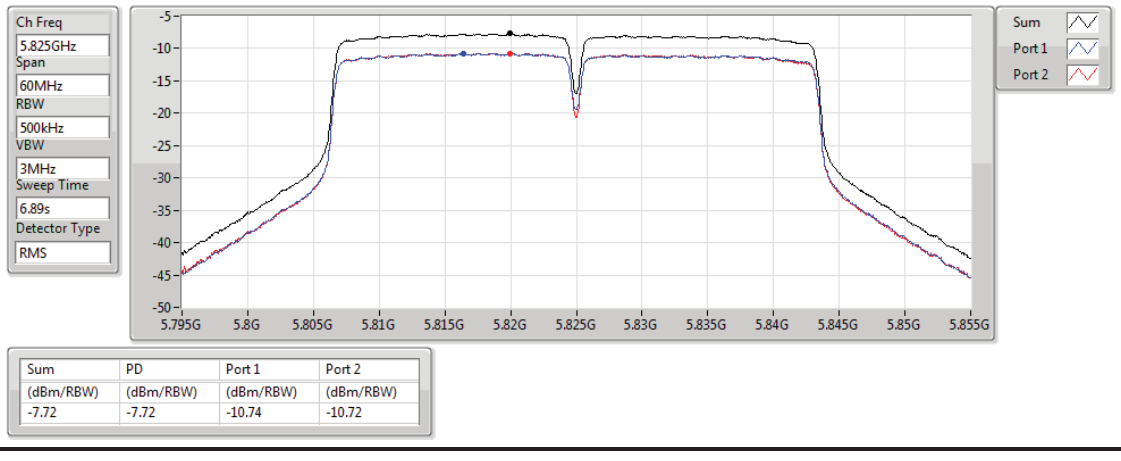
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.59	-8.59	-11.65	-11.47

802.11ac VHT40_Nss1,(MCS0)_2TX **PSD**

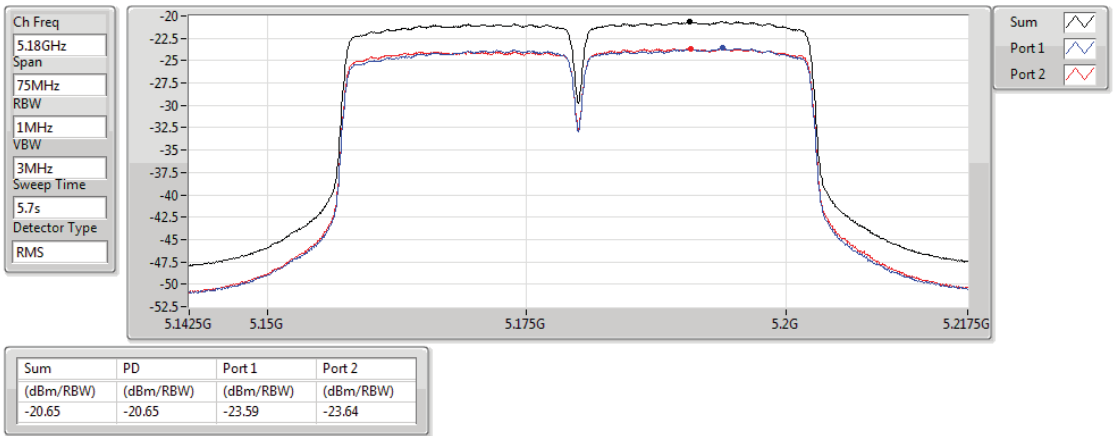
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.72	-7.72	-10.74	-10.72

802.11ac VHT50_Nss1,(MCS0)_2TX PSD

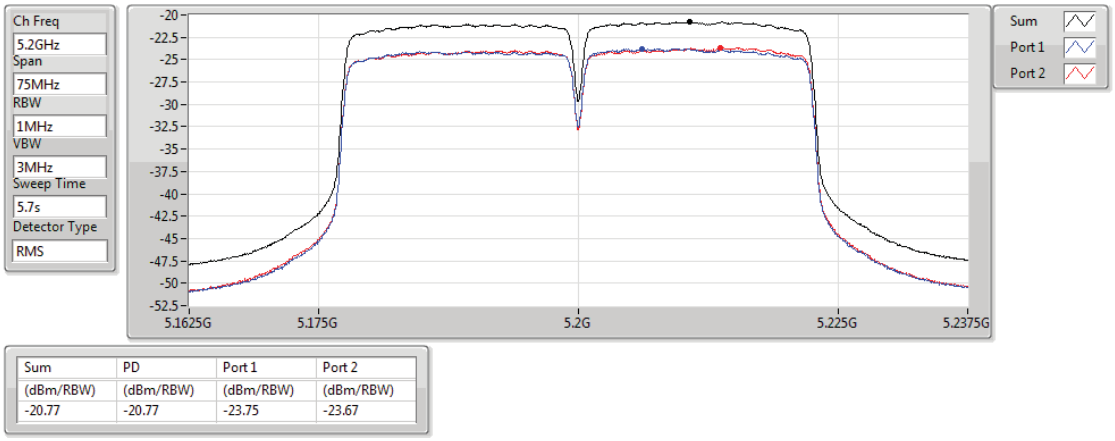
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-20.65	-20.65	-23.59	-23.64

802.11ac VHT50_Nss1,(MCS0)_2TX PSD

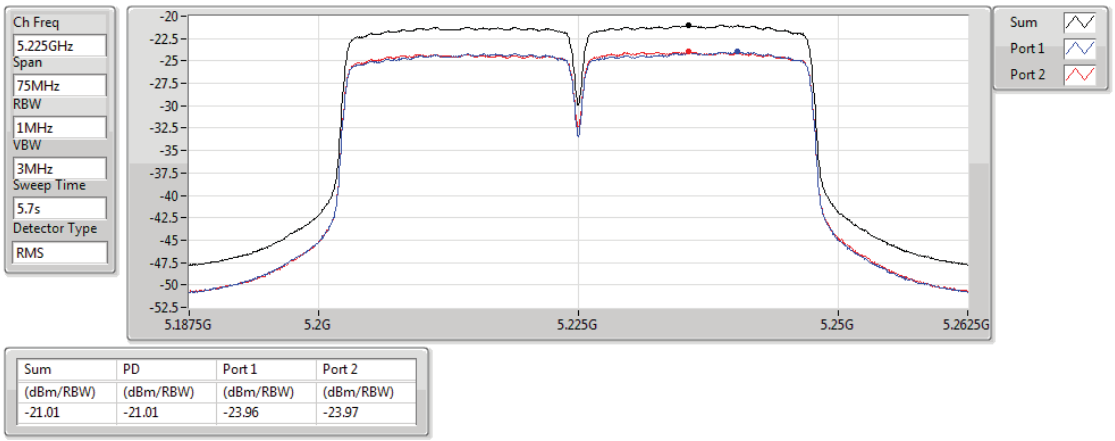
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-20.77	-20.77	-23.75	-23.67

802.11ac VHT50_Nss1,(MCS0)_2TX PSD

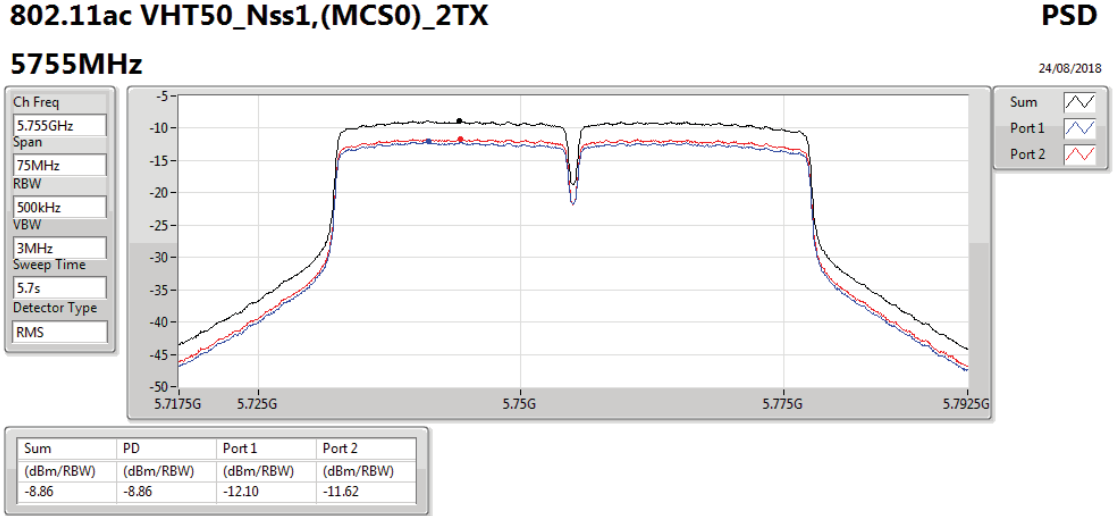
5225MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-21.01	-21.01	-23.96	-23.97

802.11ac VHT50_Nss1,(MCS0)_2TX PSD

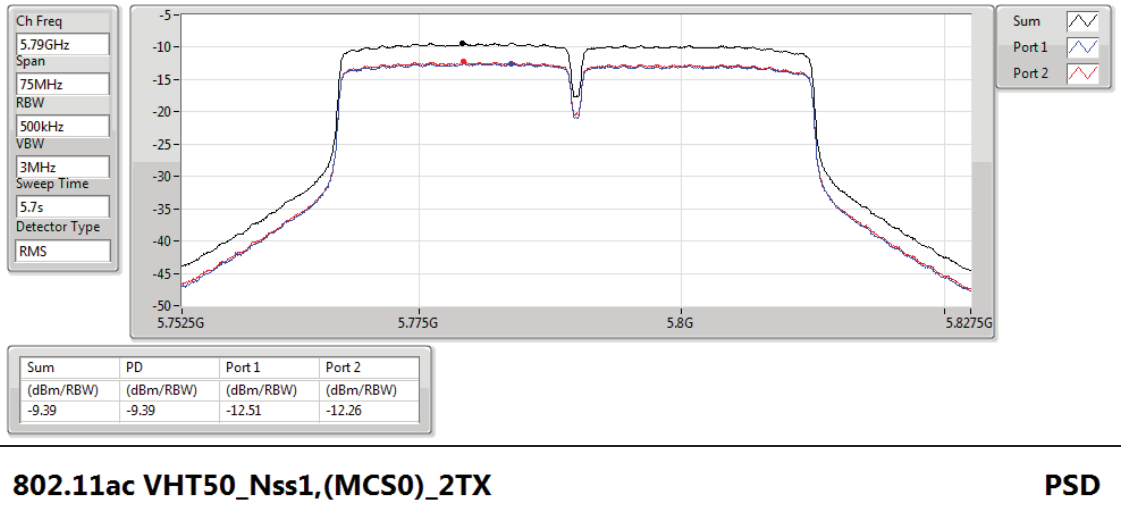
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.86	-8.86	-12.10	-11.62

802.11ac VHT50_Nss1,(MCS0)_2TX PSD

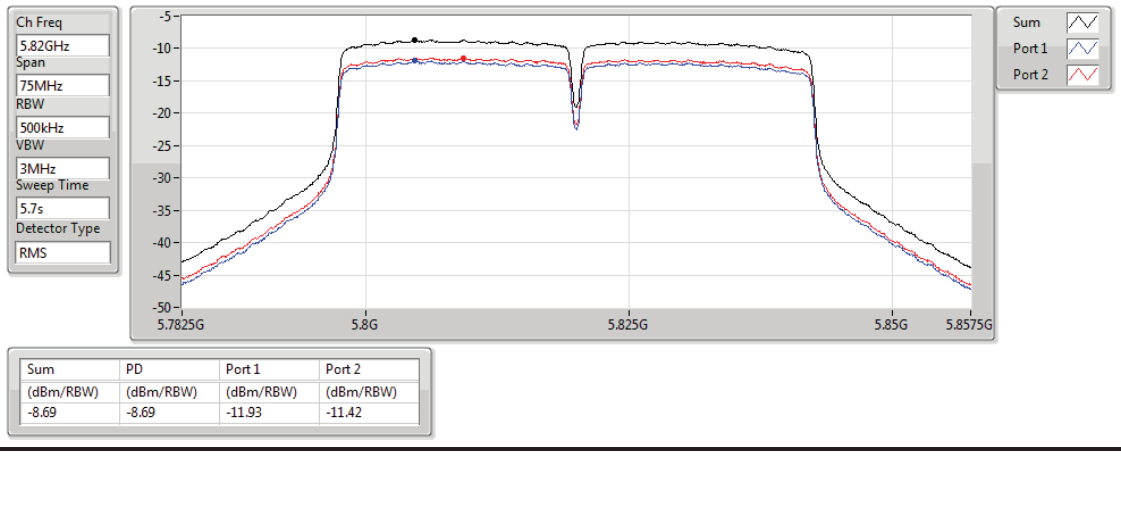
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.39	-9.39	-12.51	-12.26

802.11ac VHT50_Nss1,(MCS0)_2TX PSD

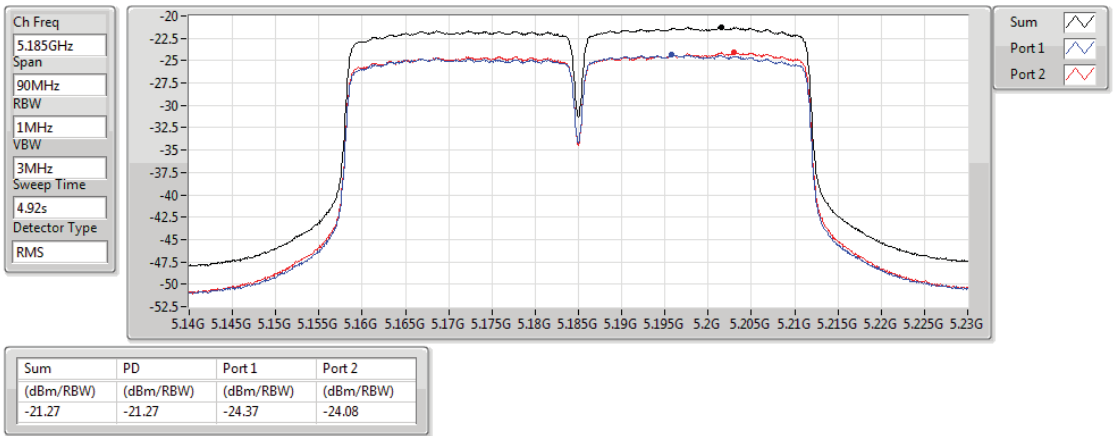
5820MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.69	-8.69	-11.93	-11.42

802.11ac VHT60_Nss1,(MCS0)_2TX PSD

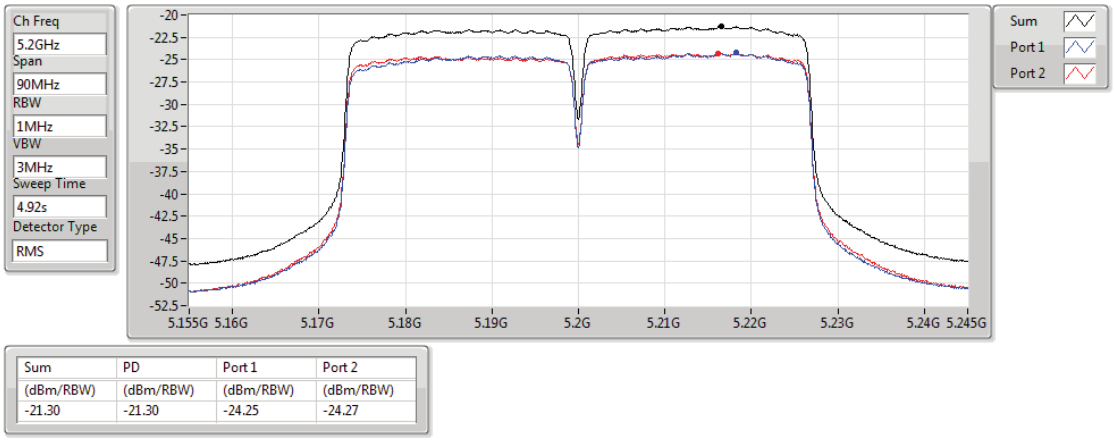
5185MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-21.27	-21.27	-24.37	-24.08

802.11ac VHT60_Nss1,(MCS0)_2TX PSD

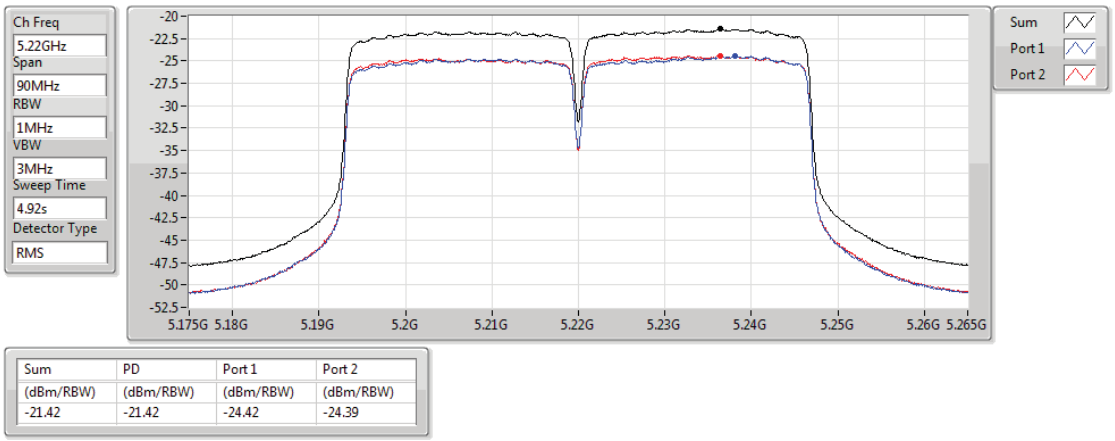
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-21.30	-21.30	-24.25	-24.27

802.11ac VHT60_Nss1,(MCS0)_2TX PSD

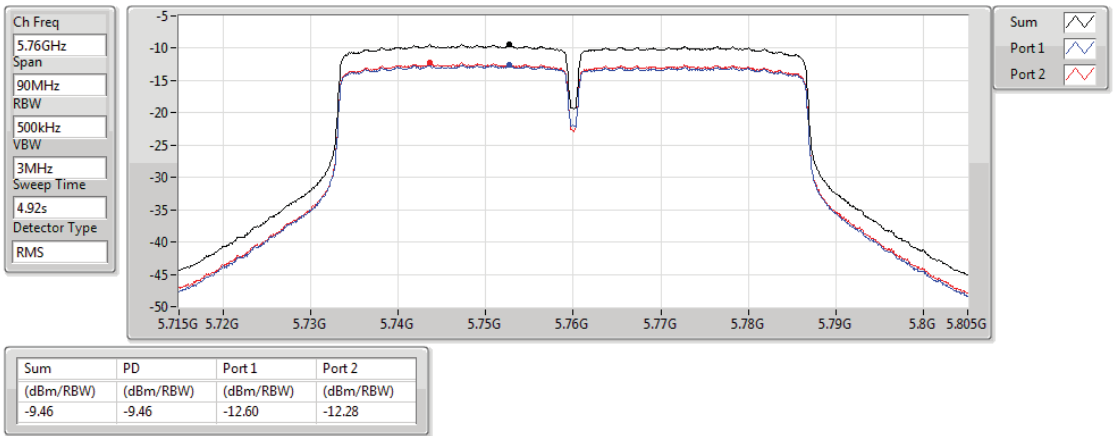
5220MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-21.42	-21.42	-24.42	-24.39

802.11ac VHT60_Nss1,(MCS0)_2TX PSD

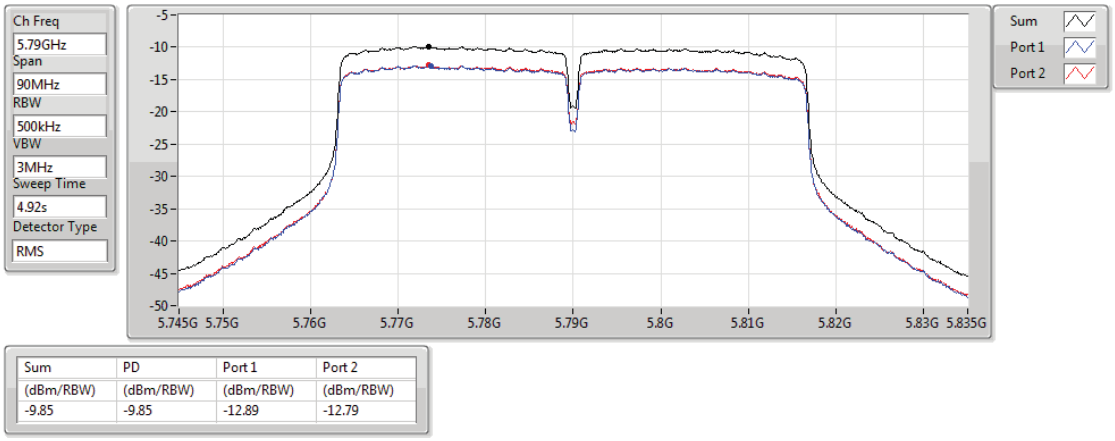
5760MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.46	-9.46	-12.60	-12.28

802.11ac VHT60_Nss1,(MCS0)_2TX PSD

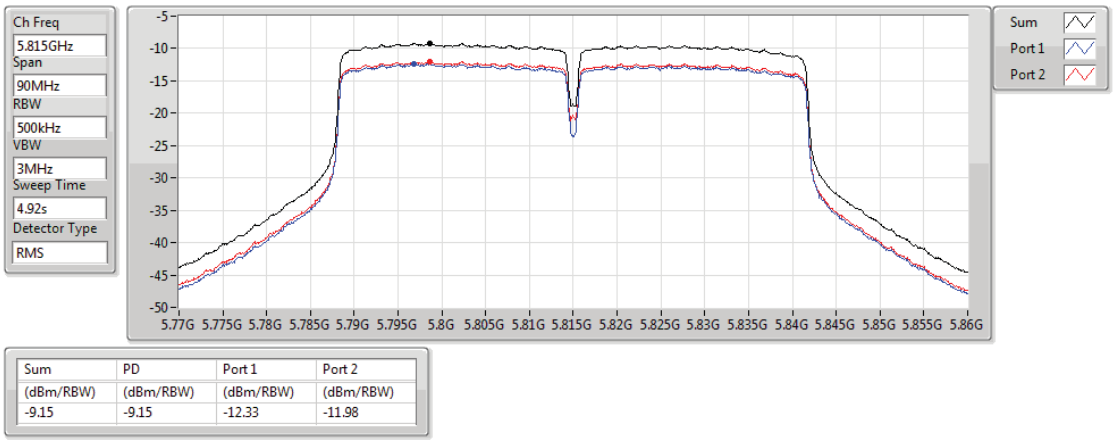
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.85	-9.85	-12.89	-12.79

802.11ac VHT60_Nss1,(MCS0)_2TX PSD

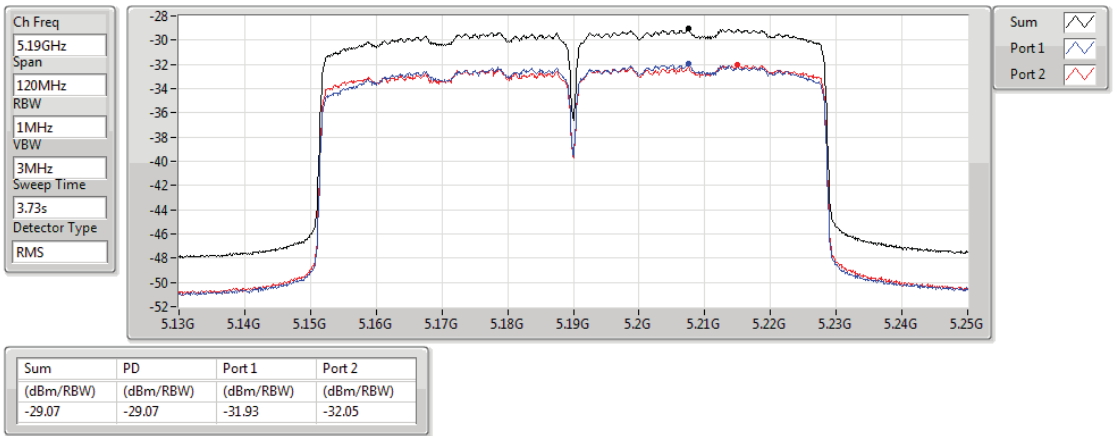
5815MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.15	-9.15	-12.33	-11.98

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

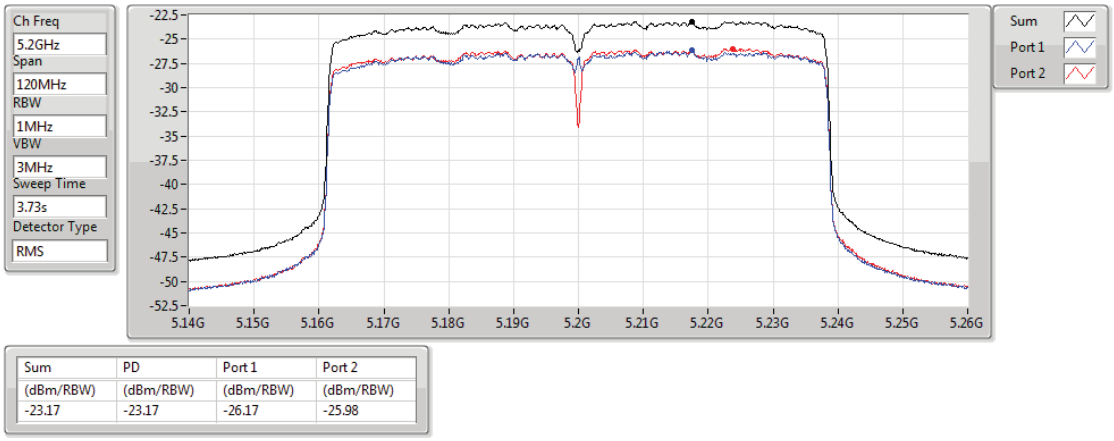
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-29.07	-29.07	-31.93	-32.05

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

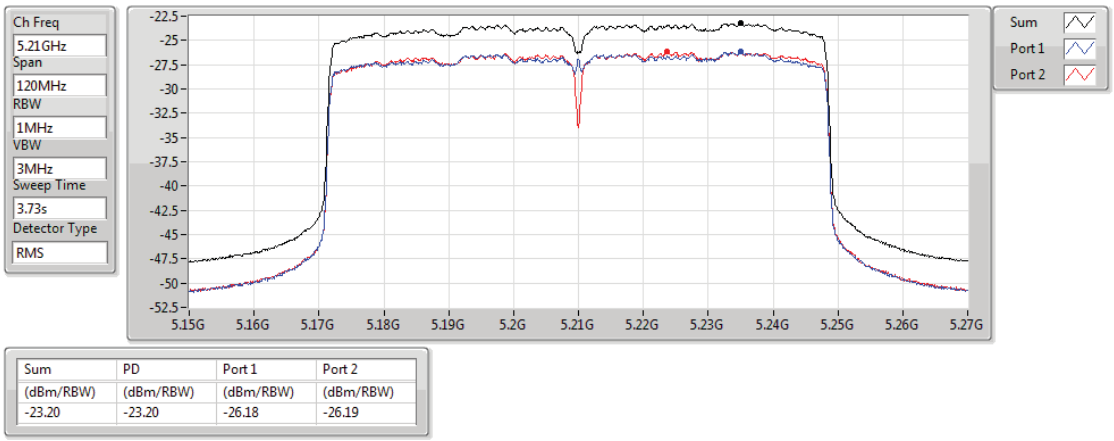
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-23.17	-23.17	-26.17	-25.98

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

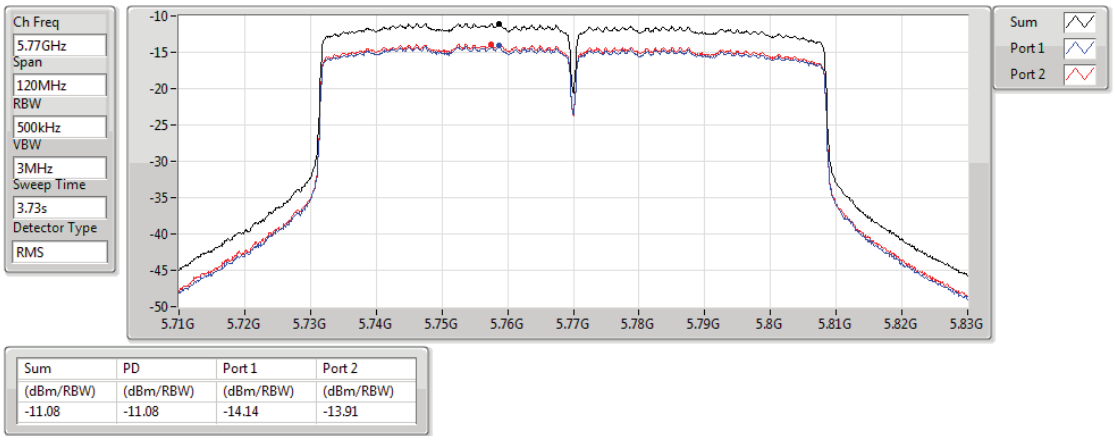
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-23.20	-23.20	-26.18	-26.19

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

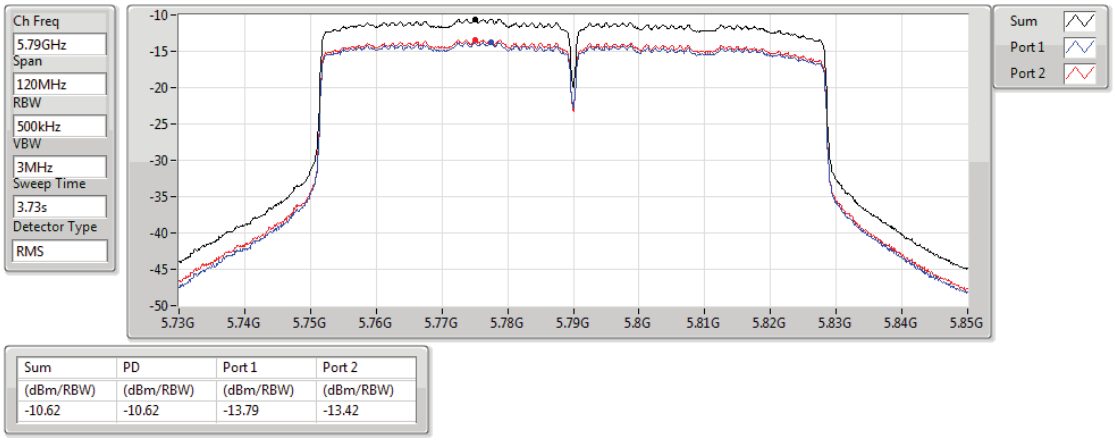
5770MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.08	-11.08	-14.14	-13.91

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

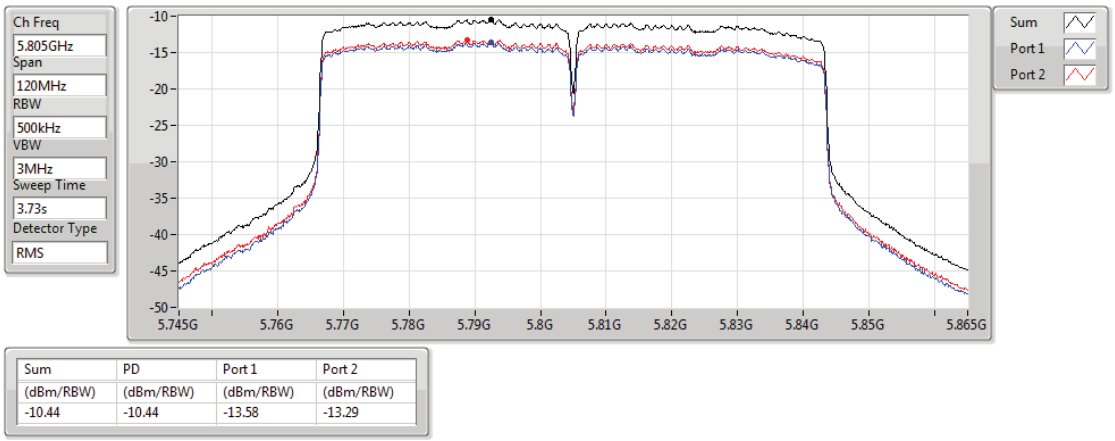
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.62	-10.62	-13.79	-13.42

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5805MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.44	-10.44	-13.58	-13.29

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.55	39.56
802.11ac VHT10_Nss1,(MCS0)_2TX	10.87	39.88
802.11ac VHT20_Nss1,(MCS0)_2TX	10.24	39.25
802.11ac VHT30_Nss1,(MCS0)_2TX	10.59	39.60
802.11ac VHT40_Nss1,(MCS0)_2TX	8.65	37.66
802.11ac VHT50_Nss1,(MCS0)_2TX	1.40	30.41
802.11ac VHT60_Nss1,(MCS0)_2TX	2.74	31.75
802.11ac VHT80_Nss1,(MCS0)_2TX	-13.30	15.71
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	5.69	34.70
802.11ac VHT10_Nss1,(MCS0)_2TX	3.61	32.62
802.11ac VHT20_Nss1,(MCS0)_2TX	6.69	35.70
802.11ac VHT30_Nss1,(MCS0)_2TX	5.27	34.28
802.11ac VHT40_Nss1,(MCS0)_2TX	2.31	31.32
802.11ac VHT50_Nss1,(MCS0)_2TX	1.01	30.02
802.11ac VHT60_Nss1,(MCS0)_2TX	0.39	29.40
802.11ac VHT80_Nss1,(MCS0)_2TX	2.67	31.68

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

Result

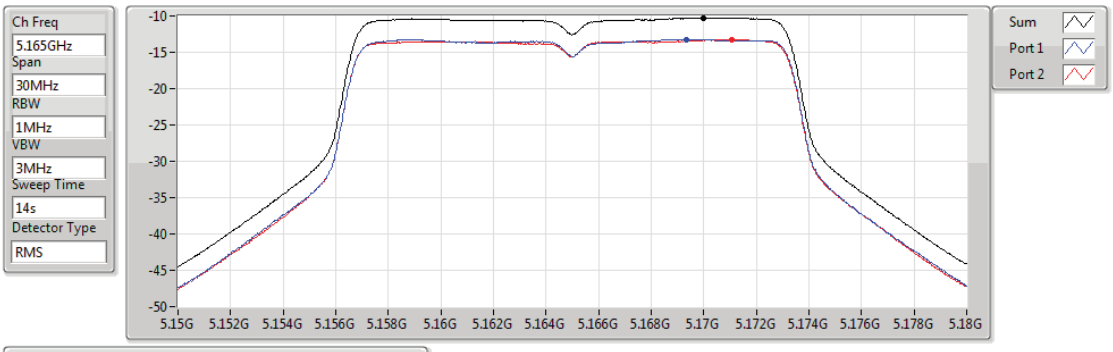
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5165MHz_TnomVnom	Pass	29.01	-13.22	-13.21	-10.28	10.99	18.73	40.00
5200MHz_TnomVnom	Pass	29.01	6.67	7.10	9.86	10.99	38.87	40.00
5240MHz_TnomVnom	Pass	29.01	7.27	7.83	10.55	10.99	39.56	40.00
5740MHz_TnomVnom	Pass	29.01	0.48	0.46	3.45	30.00	32.46	Inf
5790MHz_TnomVnom	Pass	29.01	2.38	3.04	5.69	30.00	34.70	Inf
5835MHz_TnomVnom	Pass	29.01	1.22	2.37	4.79	30.00	33.80	Inf
802.11ac VHT10_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5160MHz_TnomVnom	Pass	29.01	-9.48	-9.82	-6.74	10.99	22.27	40.00
5200MHz_TnomVnom	Pass	29.01	4.05	4.82	7.44	10.99	36.45	40.00
5245MHz_TnomVnom	Pass	29.01	7.52	8.21	10.87	10.99	39.88	40.00
5735MHz_TnomVnom	Pass	29.01	-2.45	-2.90	0.33	30.00	29.34	Inf
5790MHz_TnomVnom	Pass	29.01	0.41	0.79	3.61	30.00	32.62	Inf
5840MHz_TnomVnom	Pass	29.01	-1.04	-1.01	1.97	30.00	30.98	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5165MHz_TnomVnom	Pass	29.01	-16.29	-16.53	-13.42	10.99	15.59	40.00
5200MHz_TnomVnom	Pass	29.01	6.35	6.71	9.48	10.99	38.49	40.00
5240MHz_TnomVnom	Pass	29.01	6.84	7.58	10.24	10.99	39.25	40.00
5740MHz_TnomVnom	Pass	29.01	0.50	1.65	4.10	30.00	33.11	Inf
5790MHz_TnomVnom	Pass	29.01	3.36	4.02	6.69	30.00	35.70	Inf
5835MHz_TnomVnom	Pass	29.01	2.00	3.21	5.58	30.00	34.59	Inf
802.11ac VHT30_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5170MHz_TnomVnom	Pass	29.01	-19.67	-19.81	-16.73	10.99	12.28	40.00
5200MHz_TnomVnom	Pass	29.01	4.83	5.25	7.97	10.99	36.98	40.00
5235MHz_TnomVnom	Pass	29.01	7.26	7.93	10.59	10.99	39.60	40.00
5745MHz_TnomVnom	Pass	29.01	-0.89	-1.77	1.69	30.00	30.70	Inf
5790MHz_TnomVnom	Pass	29.01	1.93	2.63	5.27	30.00	34.28	Inf
5830MHz_TnomVnom	Pass	29.01	-0.71	0.92	3.16	30.00	32.17	Inf
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5175MHz_TnomVnom	Pass	29.01	-23.71	-23.77	-20.77	10.99	8.24	40.00
5200MHz_TnomVnom	Pass	29.01	-1.34	-1.35	1.61	10.99	30.62	40.00
5230MHz_TnomVnom	Pass	29.01	5.42	5.88	8.65	10.99	37.66	40.00
5750MHz_TnomVnom	Pass	29.01	-1.27	-0.12	2.31	30.00	31.32	Inf
5790MHz_TnomVnom	Pass	29.01	-1.47	-1.01	1.74	30.00	30.75	Inf
5825MHz_TnomVnom	Pass	29.01	-2.17	-0.96	1.47	30.00	30.48	Inf
802.11ac VHT50_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	29.01	-24.42	-24.60	-21.53	10.99	7.48	40.00
5200MHz_TnomVnom	Pass	29.01	-6.90	-6.65	-3.83	10.99	25.18	40.00
5225MHz_TnomVnom	Pass	29.01	-1.61	-1.54	1.40	10.99	30.41	40.00
5755MHz_TnomVnom	Pass	29.01	-5.69	-5.34	-2.54	30.00	26.47	Inf
5790MHz_TnomVnom	Pass	29.01	-2.27	-1.69	1.01	30.00	30.02	Inf
5820MHz_TnomVnom	Pass	29.01	-2.85	-1.80	0.69	30.00	29.70	Inf
802.11ac VHT60_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5185MHz_TnomVnom	Pass	29.01	-19.80	-19.75	-16.85	10.99	12.16	40.00

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_TnomVnom	Pass	29.01	-6.85	-6.76	-3.82	10.99	25.19	40.00
5220MHz_TnomVnom	Pass	29.01	-0.21	-0.24	2.74	10.99	31.75	40.00
5760MHz_TnomVnom	Pass	29.01	-3.06	-2.68	0.14	30.00	29.15	Inf
5790MHz_TnomVnom	Pass	29.01	-2.86	-2.30	0.39	30.00	29.40	Inf
5815MHz_TnomVnom	Pass	29.01	-3.49	-2.35	0.12	30.00	29.13	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	29.01	-31.93	-32.05	-29.07	10.99	-0.06	40.00
5200MHz_TnomVnom	Pass	29.01	-21.17	-20.95	-18.14	10.99	10.87	40.00
5210MHz_TnomVnom	Pass	29.01	-16.16	-16.33	-13.30	10.99	15.71	40.00
5770MHz_TnomVnom	Pass	29.01	-4.83	-4.72	-1.81	30.00	27.20	Inf
5790MHz_TnomVnom	Pass	29.01	-0.52	-0.17	2.67	30.00	31.68	Inf
5805MHz_TnomVnom	Pass	29.01	-4.34	-2.26	-0.17	30.00	28.84	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;

802.11a_Nss1,(6Mbps)_2TX **PSD**

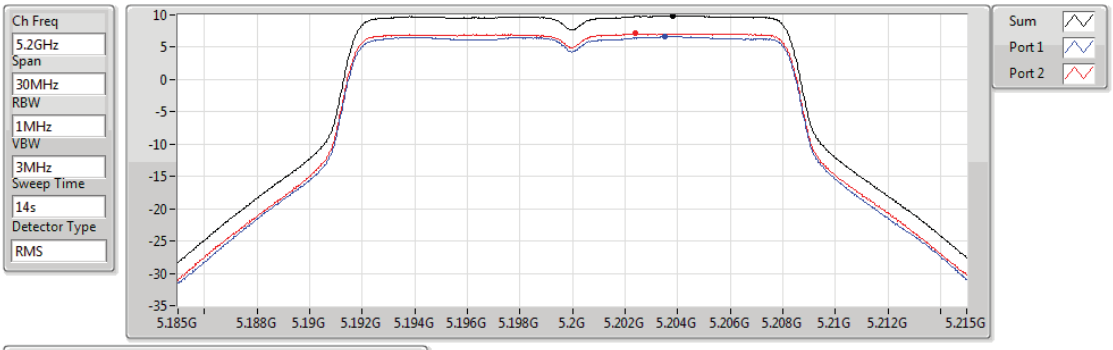
5165MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.28	-10.28	-13.22	-13.21

802.11a_Nss1,(6Mbps)_2TX **PSD**

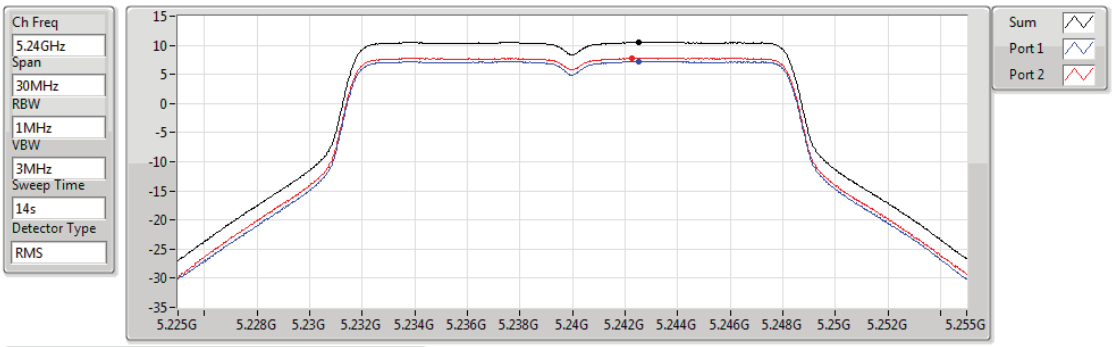
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.86	9.86	6.67	7.10

802.11a_Nss1,(6Mbps)_2TX **PSD**

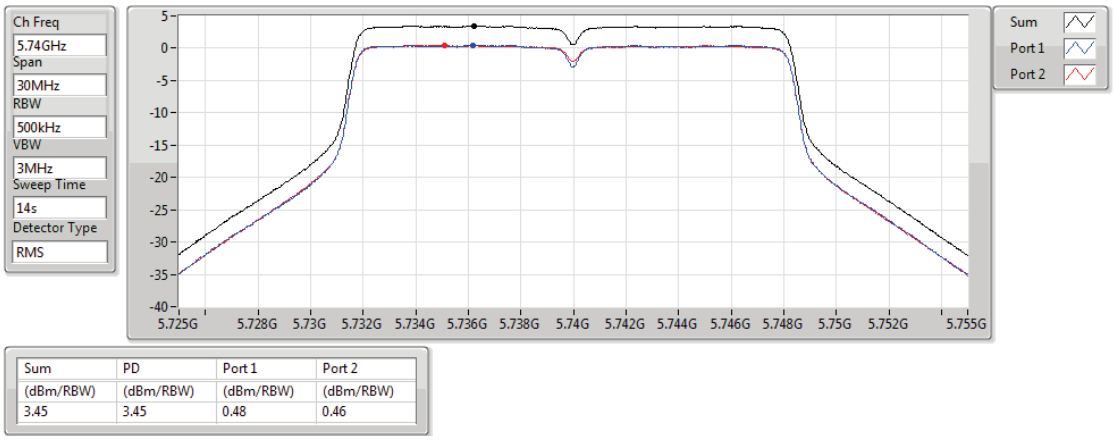
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.55	10.55	7.27	7.83

802.11a_Nss1,(6Mbps)_2TX **PSD**

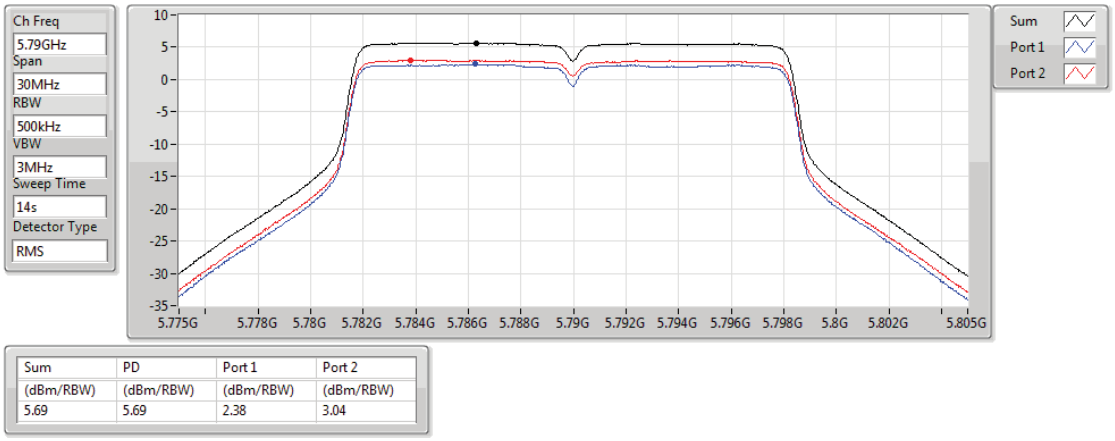
5740MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.45	3.45	0.48	0.46

802.11a_Nss1,(6Mbps)_2TX **PSD**

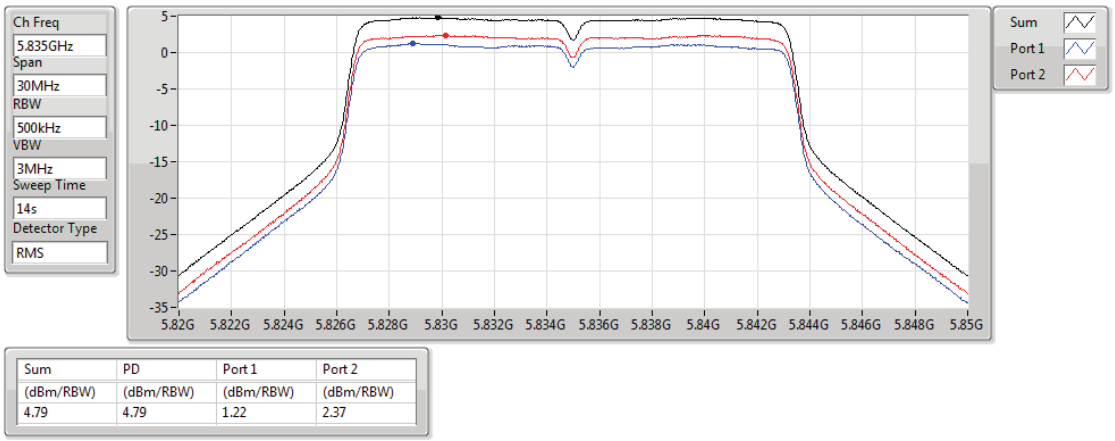
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.69	5.69	2.38	3.04

802.11a_Nss1,(6Mbps)_2TX **PSD**

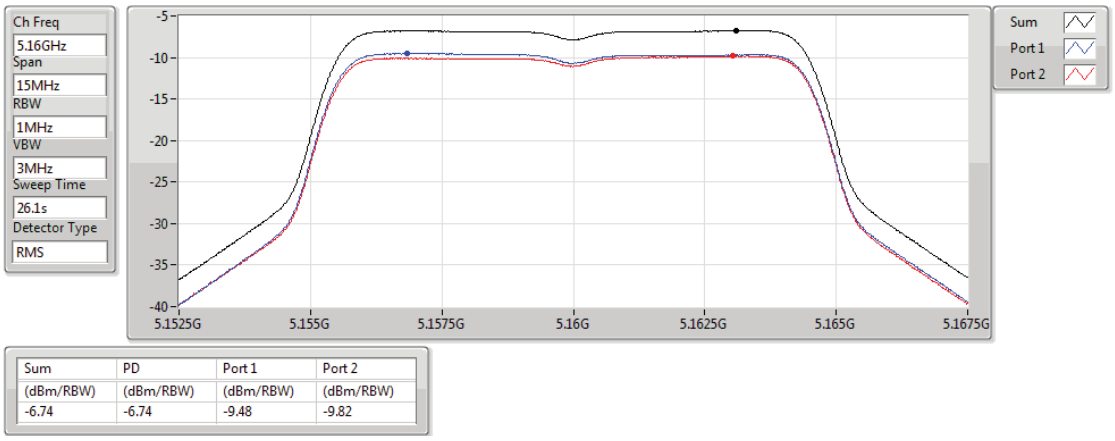
5835MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.79	4.79	1.22	2.37

802.11ac VHT10_Nss1,(MCS0)_2TX PSD

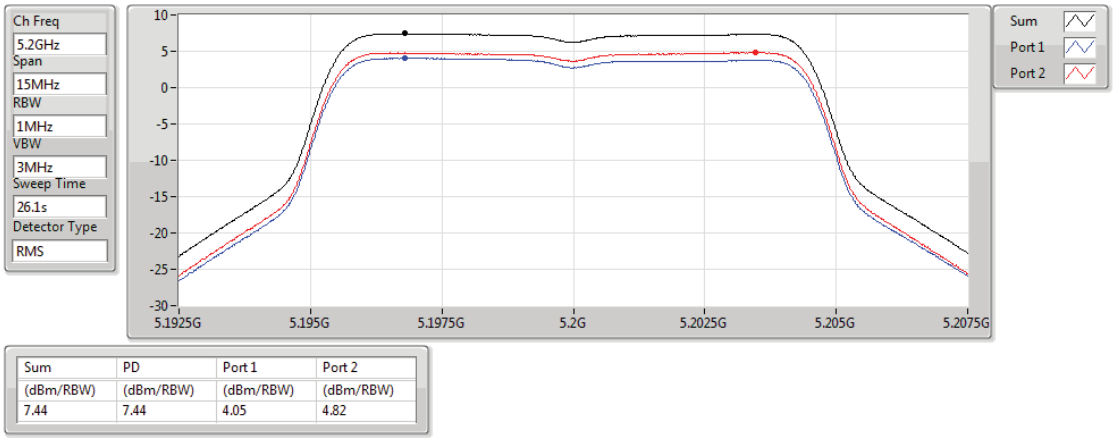
5160MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.74	-6.74	-9.48	-9.82

802.11ac VHT10_Nss1,(MCS0)_2TX PSD

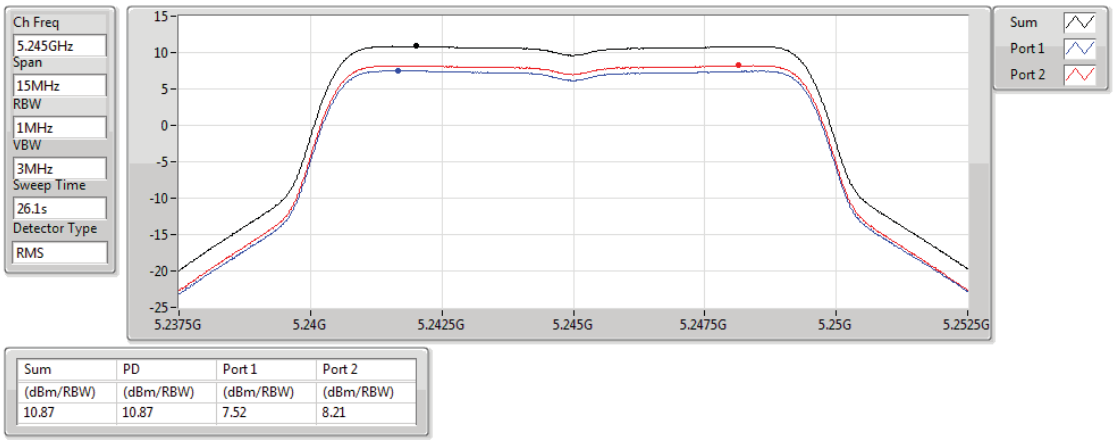
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.44	7.44	4.05	4.82

802.11ac VHT10_Nss1,(MCS0)_2TX PSD

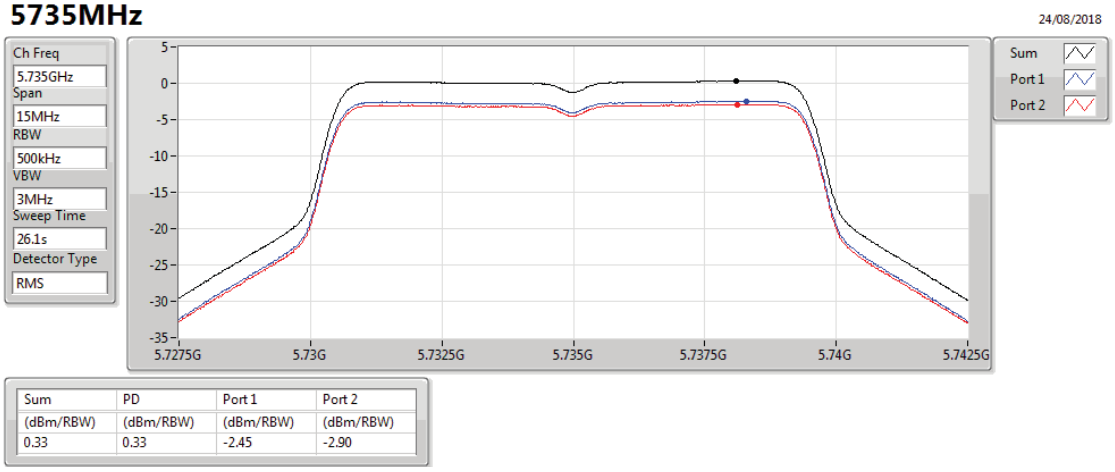
5245MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.87	10.87	7.52	8.21

802.11ac VHT10_Nss1,(MCS0)_2TX **PSD**

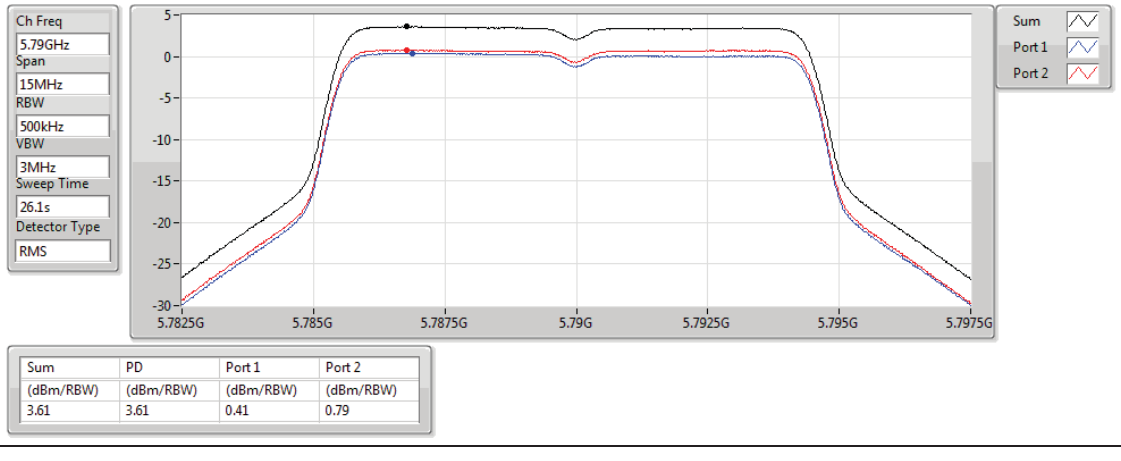
5735MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.33	0.33	-2.45	-2.90

802.11ac VHT10_Nss1,(MCS0)_2TX **PSD**

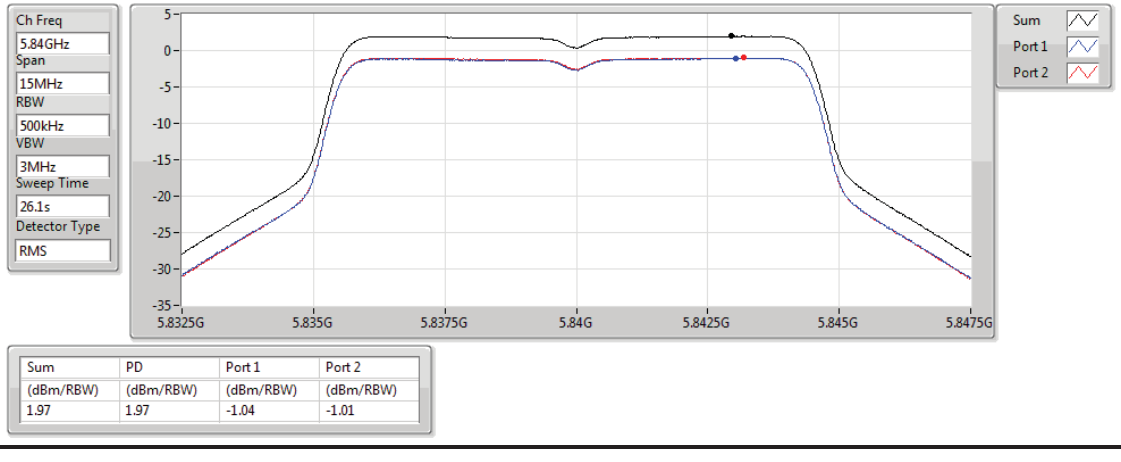
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.61	3.61	0.41	0.79

802.11ac VHT10_Nss1,(MCS0)_2TX **PSD**

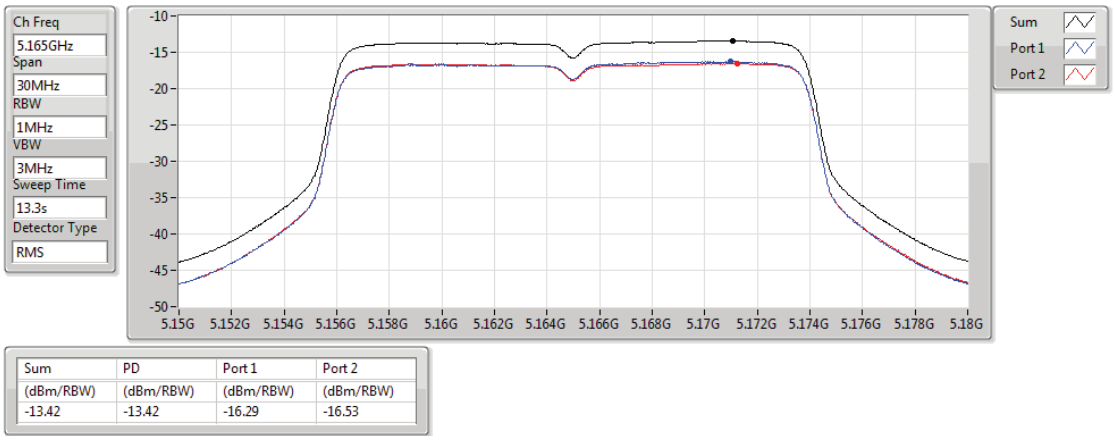
5840MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.97	1.97	-1.04	-1.01

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

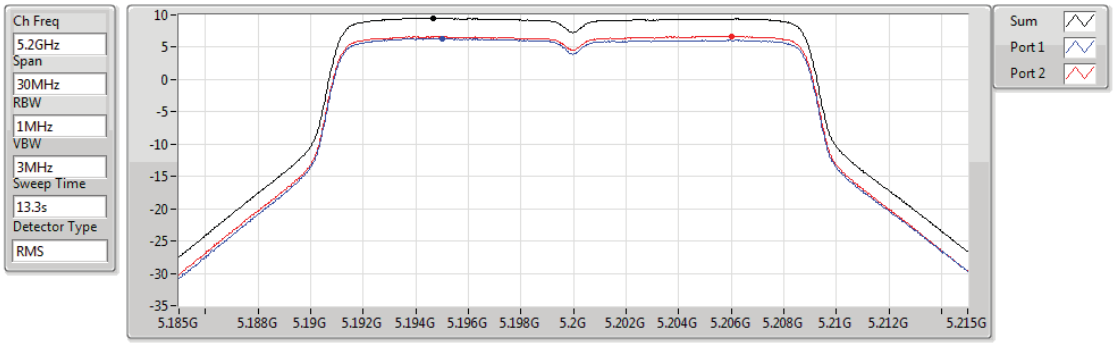
5165MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.42	-13.42	-16.29	-16.53

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

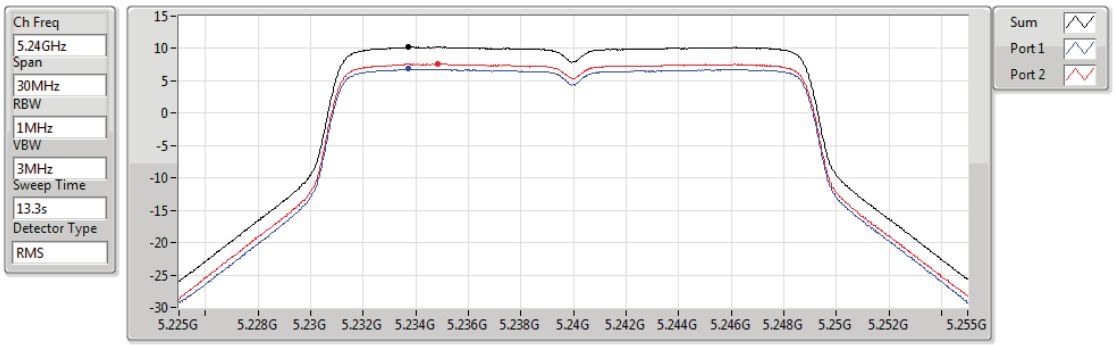
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.48	9.48	6.35	6.71

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

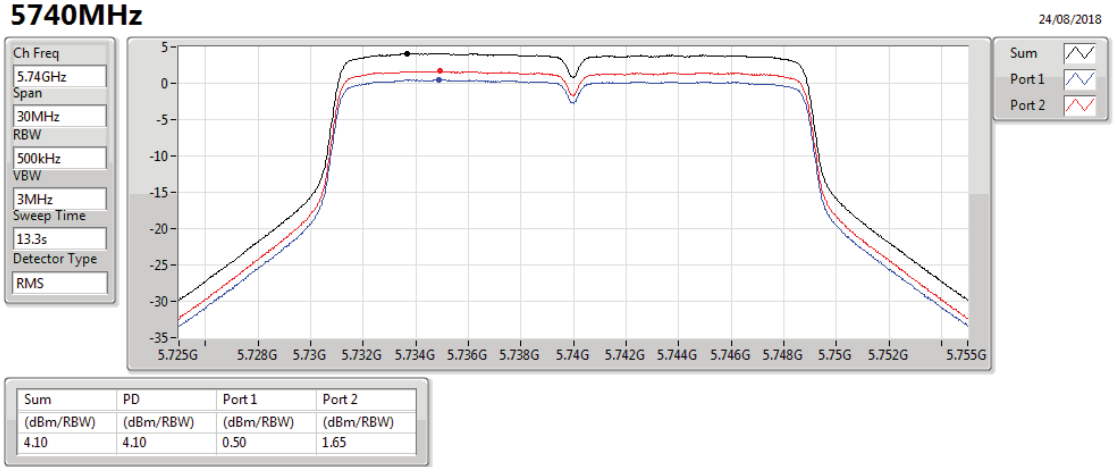
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.24	10.24	6.84	7.58

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

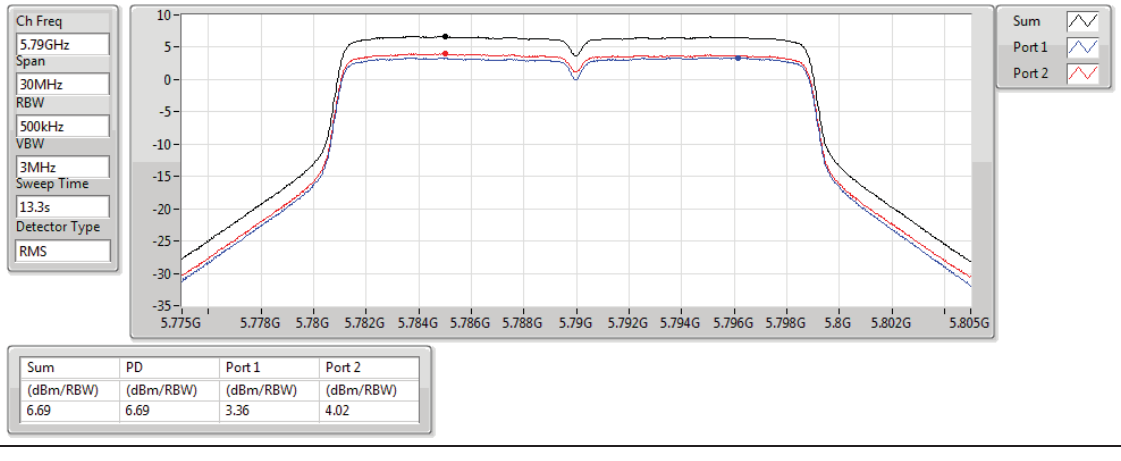
5740MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.10	4.10	0.50	1.65

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

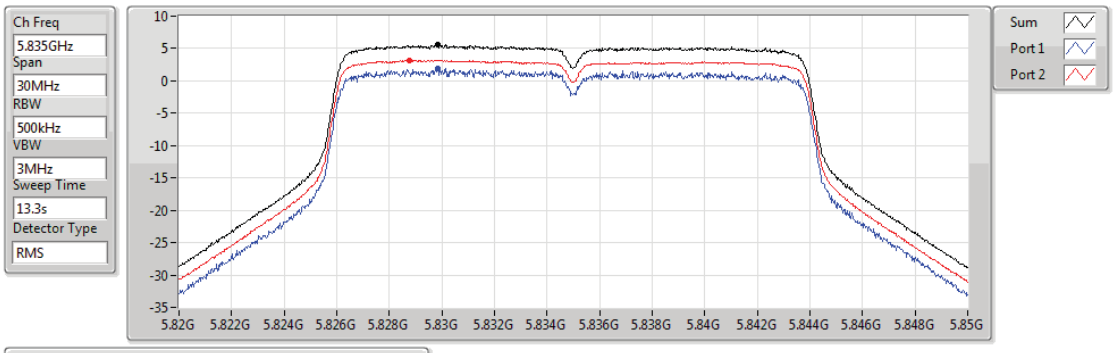
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.69	6.69	3.36	4.02

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

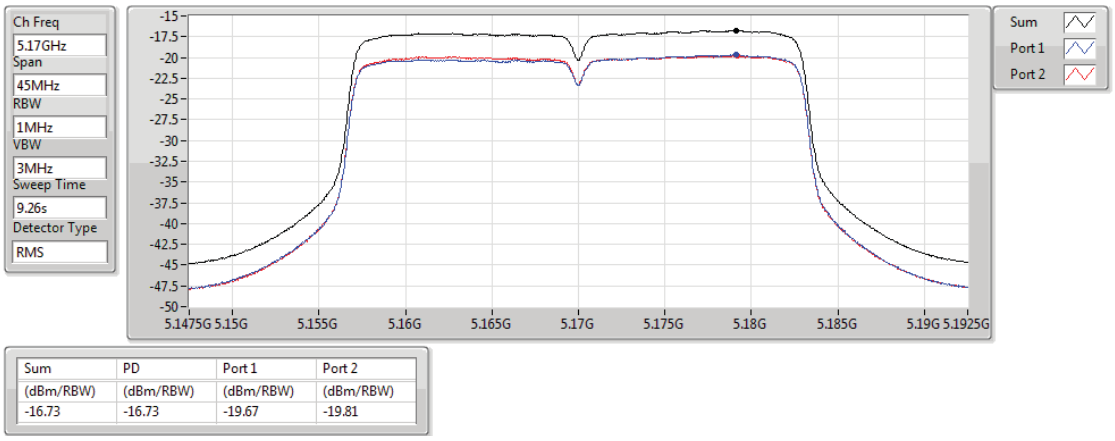
5835MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.58	5.58	2.00	3.21

802.11ac VHT30_Nss1,(MCS0)_2TX PSD

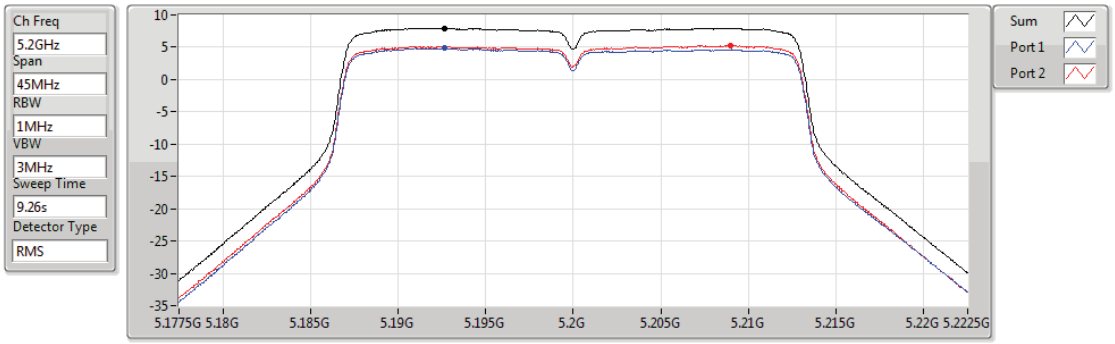
5170MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.73	-16.73	-19.67	-19.81

802.11ac VHT30_Nss1,(MCS0)_2TX PSD

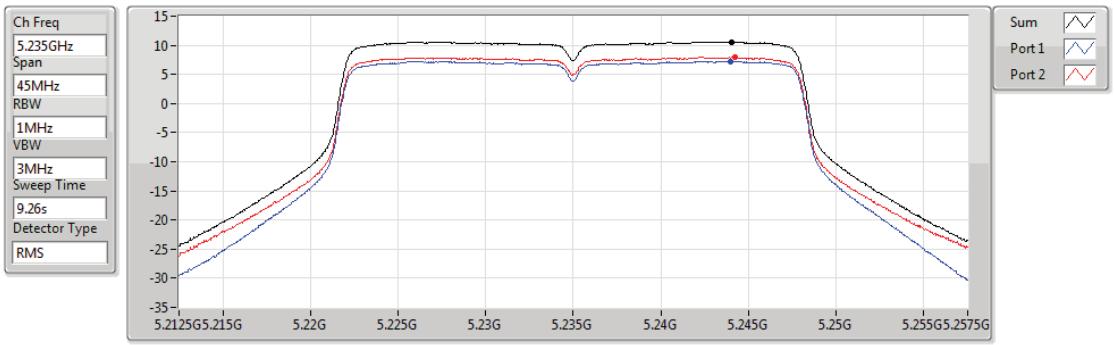
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.97	7.97	4.83	5.25

802.11ac VHT30_Nss1,(MCS0)_2TX PSD

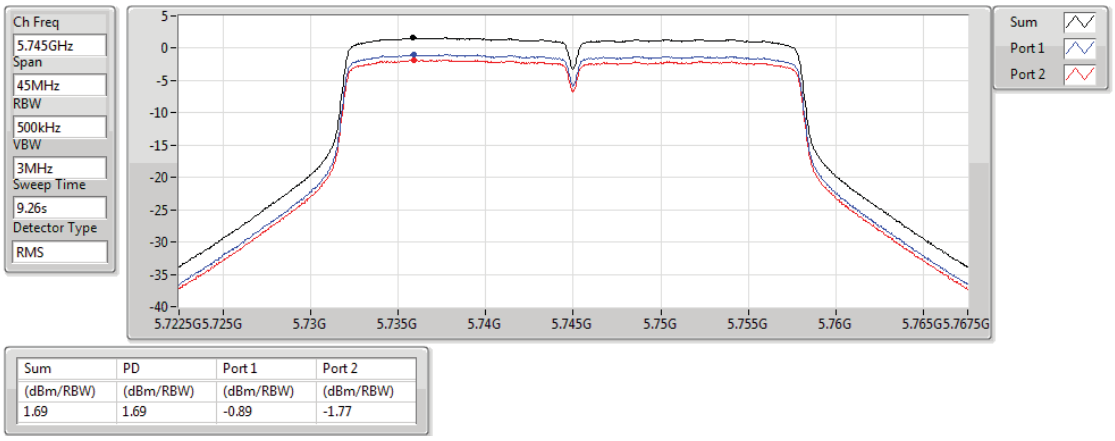
5235MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.59	10.59	7.26	7.93

802.11ac VHT30_Nss1,(MCS0)_2TX **PSD**

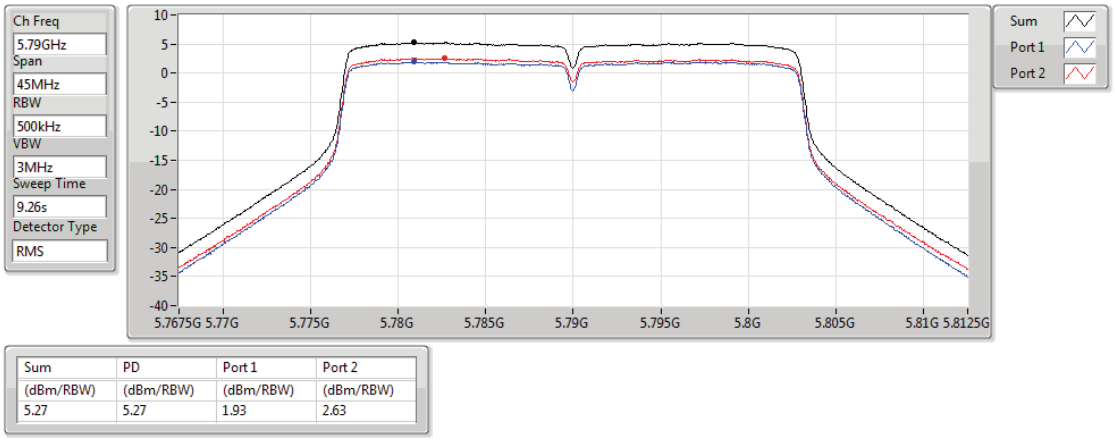
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.69	1.69	-0.89	-1.77

802.11ac VHT30_Nss1,(MCS0)_2TX **PSD**

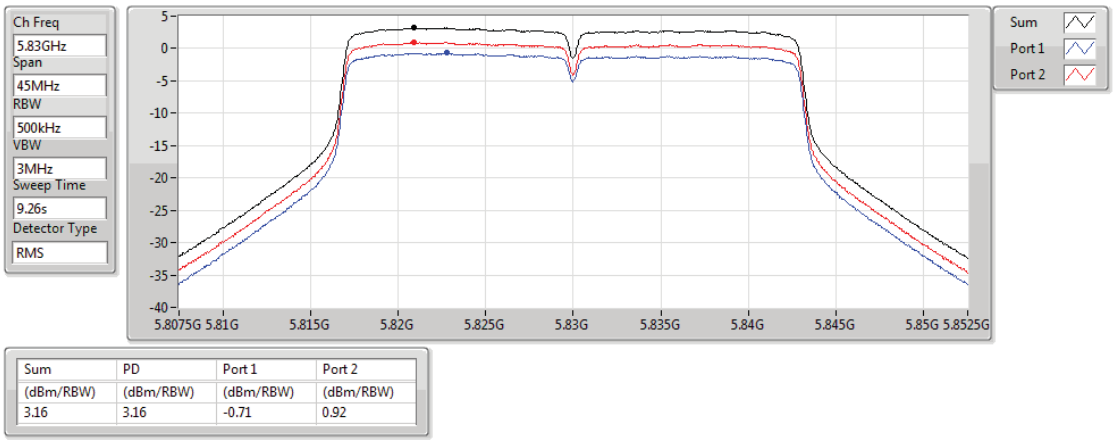
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.27	5.27	1.93	2.63

802.11ac VHT30_Nss1,(MCS0)_2TX **PSD**

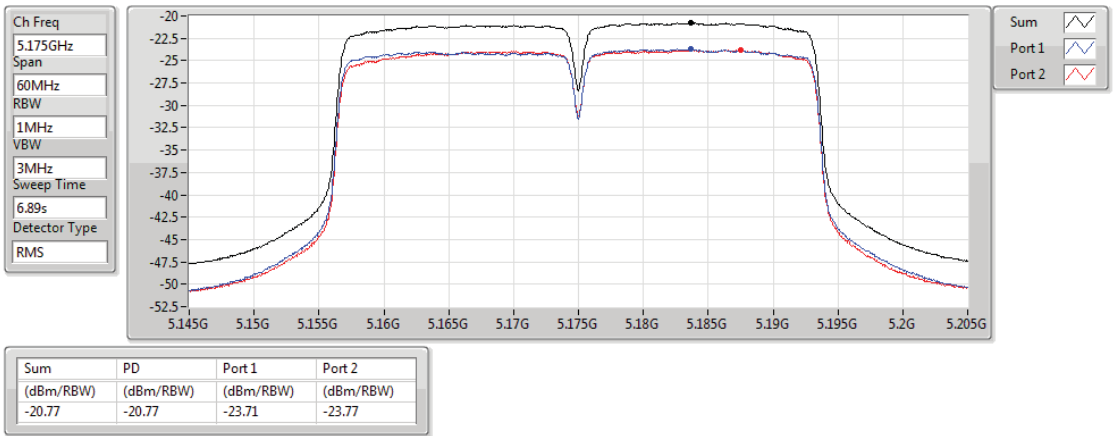
5830MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.16	3.16	-0.71	0.92

802.11ac VHT40_Nss1,(MCS0)_2TX **PSD**

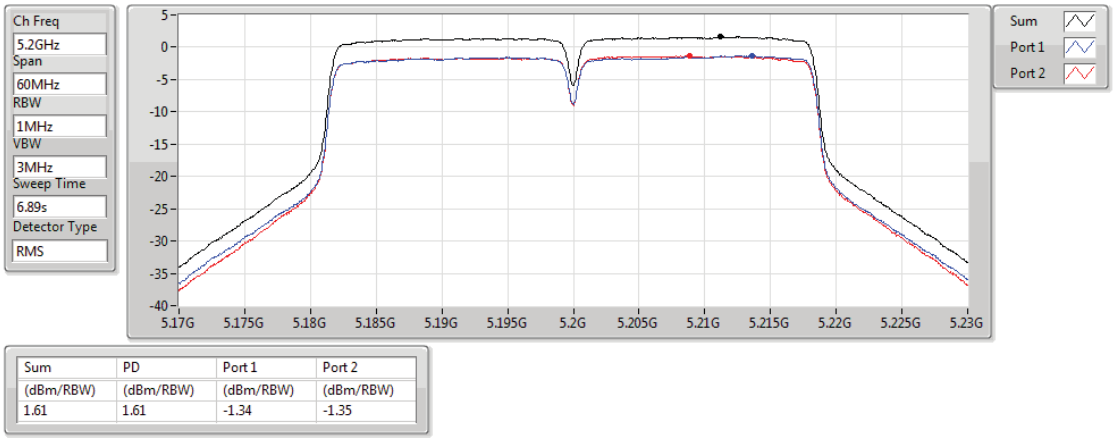
5175MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-20.77	-20.77	-23.71	-23.77

802.11ac VHT40_Nss1,(MCS0)_2TX **PSD**

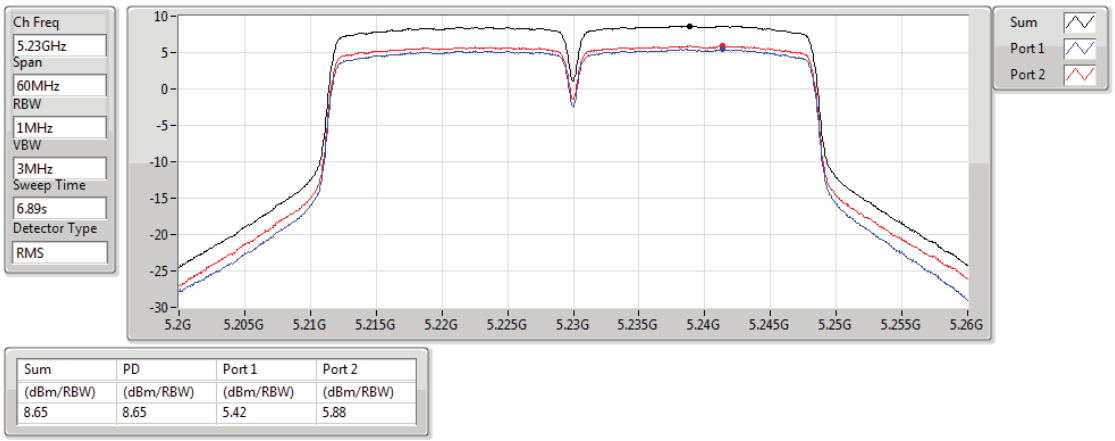
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.61	1.61	-1.34	-1.35

802.11ac VHT40_Nss1,(MCS0)_2TX **PSD**

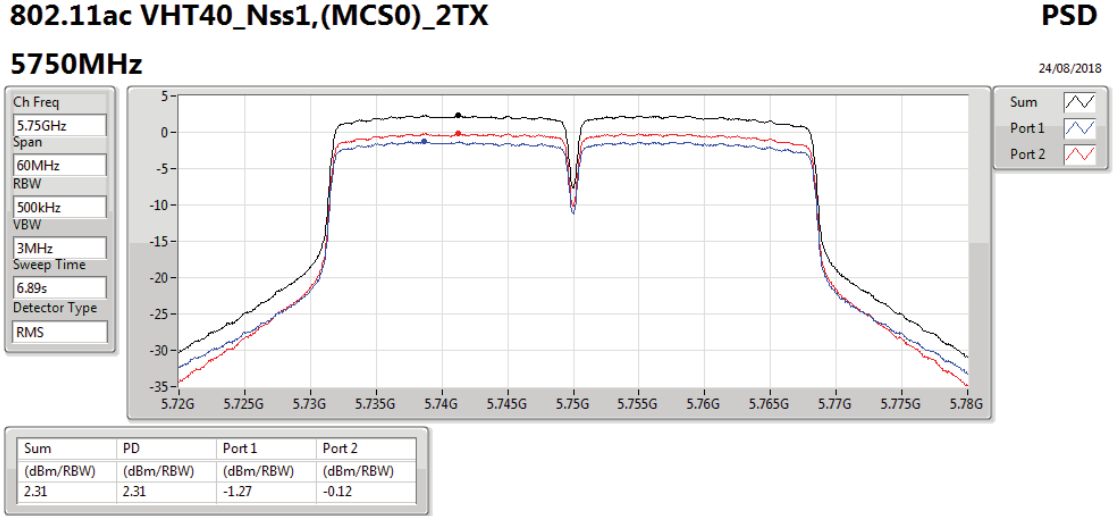
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.65	8.65	5.42	5.88

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

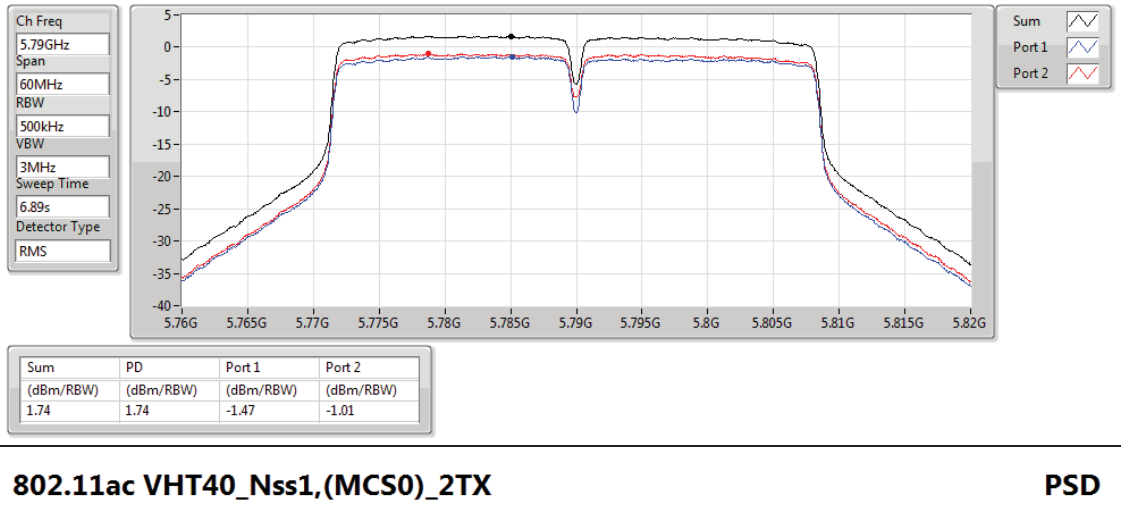
5750MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.31	2.31	-1.27	-0.12

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

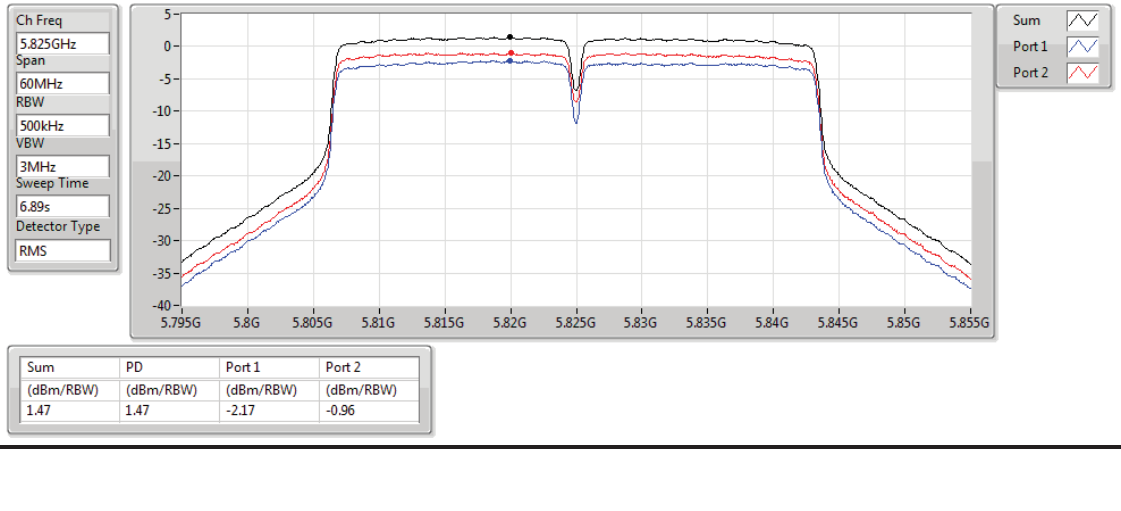
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.74	1.74	-1.47	-1.01

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

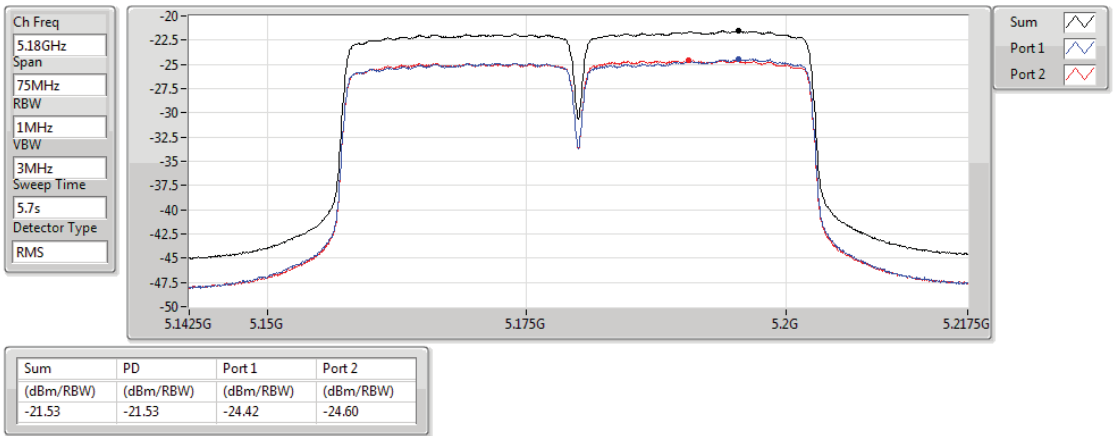
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.47	1.47	-2.17	-0.96

802.11ac VHT50_Nss1,(MCS0)_2TX PSD

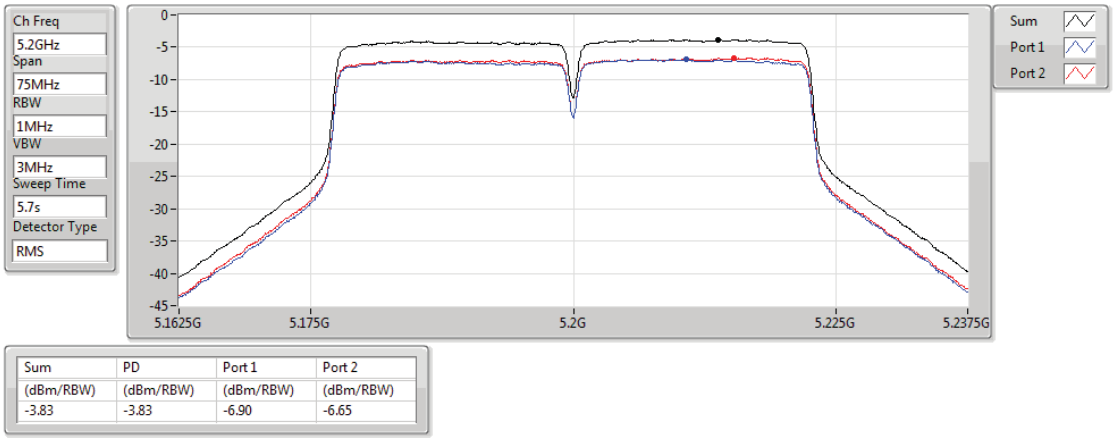
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-21.53	-21.53	-24.42	-24.60

802.11ac VHT50_Nss1,(MCS0)_2TX PSD

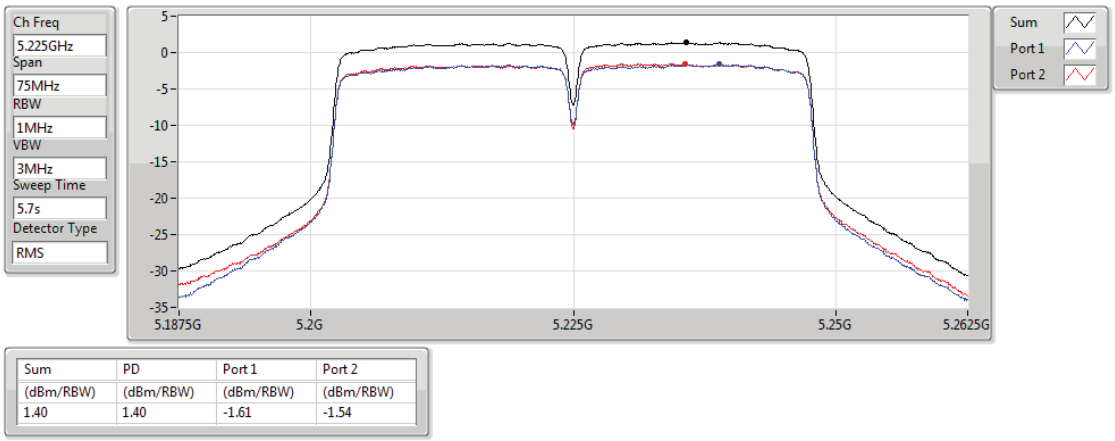
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.83	-3.83	-6.90	-6.65

802.11ac VHT50_Nss1,(MCS0)_2TX PSD

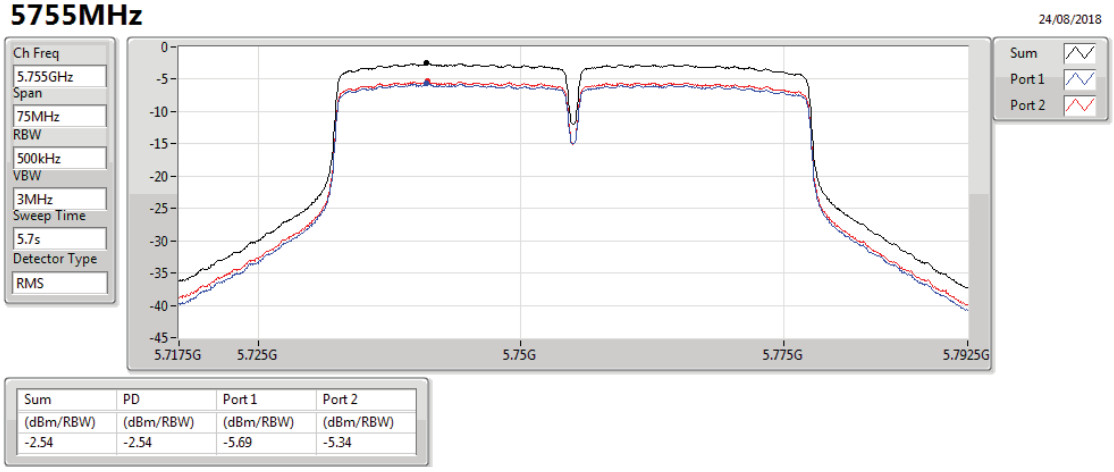
5225MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.40	1.40	-1.61	-1.54

802.11ac VHT50_Nss1,(MCS0)_2TX PSD

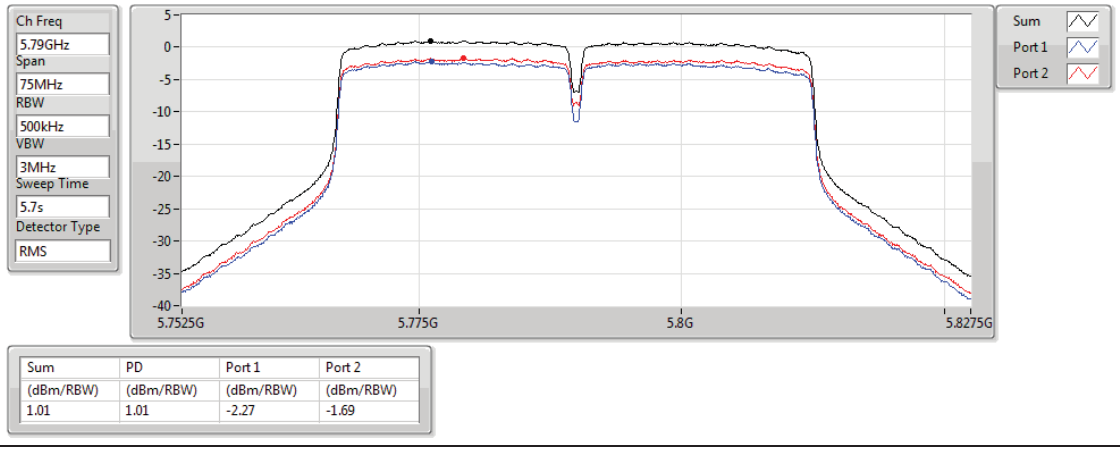
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.54	-2.54	-5.69	-5.34

802.11ac VHT50_Nss1,(MCS0)_2TX PSD

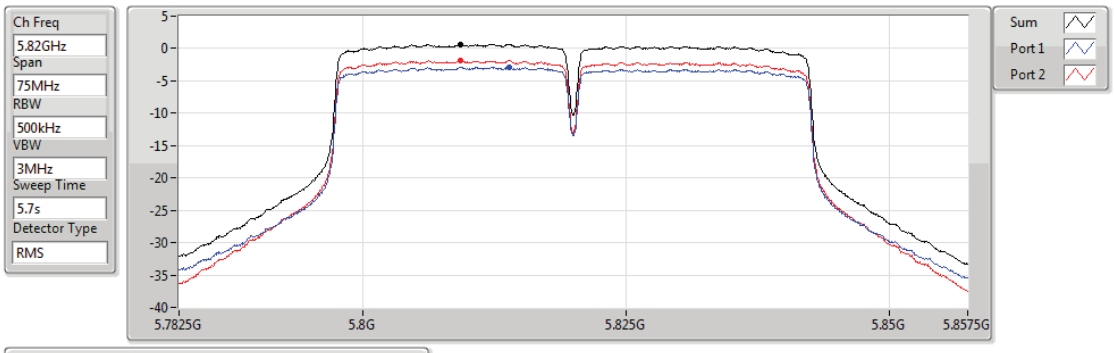
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.01	1.01	-2.27	-1.69

802.11ac VHT50_Nss1,(MCS0)_2TX PSD

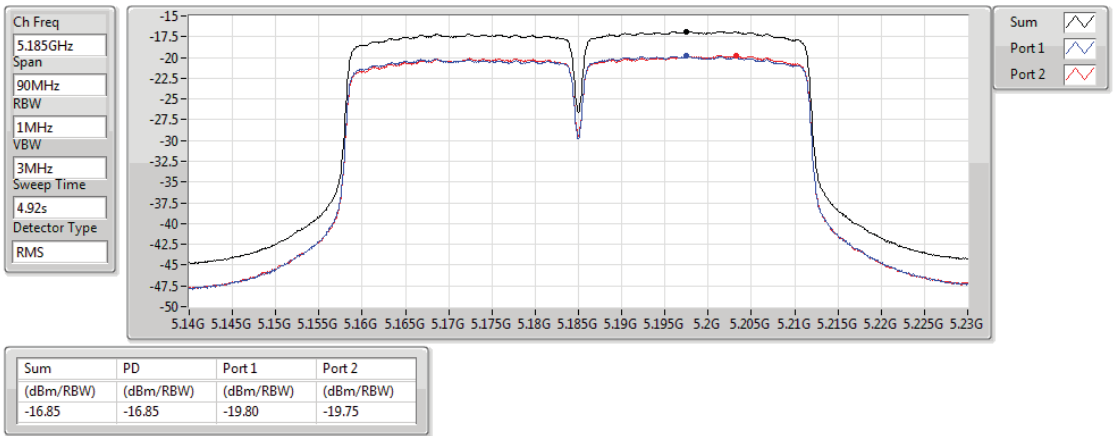
5820MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.69	0.69	-2.85	-1.80

802.11ac VHT60_Nss1,(MCS0)_2TX PSD

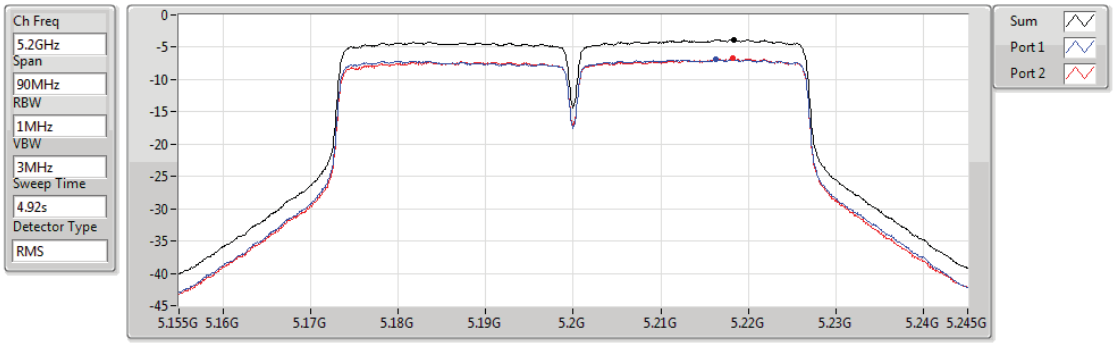
5185MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.85	-16.85	-19.80	-19.75

802.11ac VHT60_Nss1,(MCS0)_2TX PSD

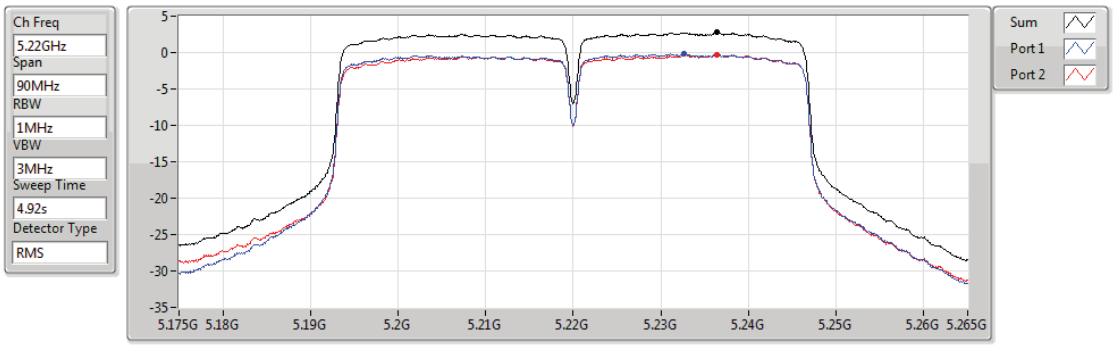
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.82	-3.82	-6.85	-6.76

802.11ac VHT60_Nss1,(MCS0)_2TX PSD

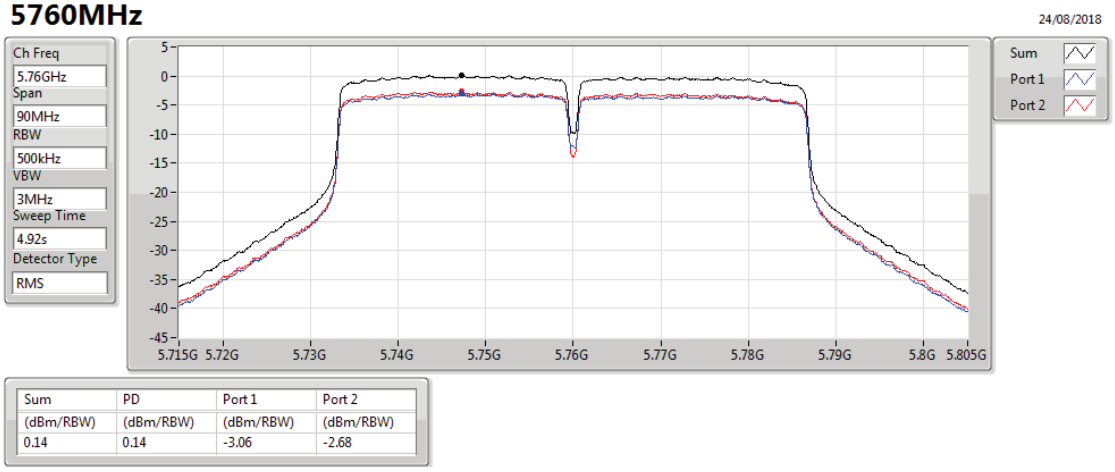
5220MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.74	2.74	-0.21	-0.24

802.11ac VHT60_Nss1,(MCS0)_2TX **PSD**

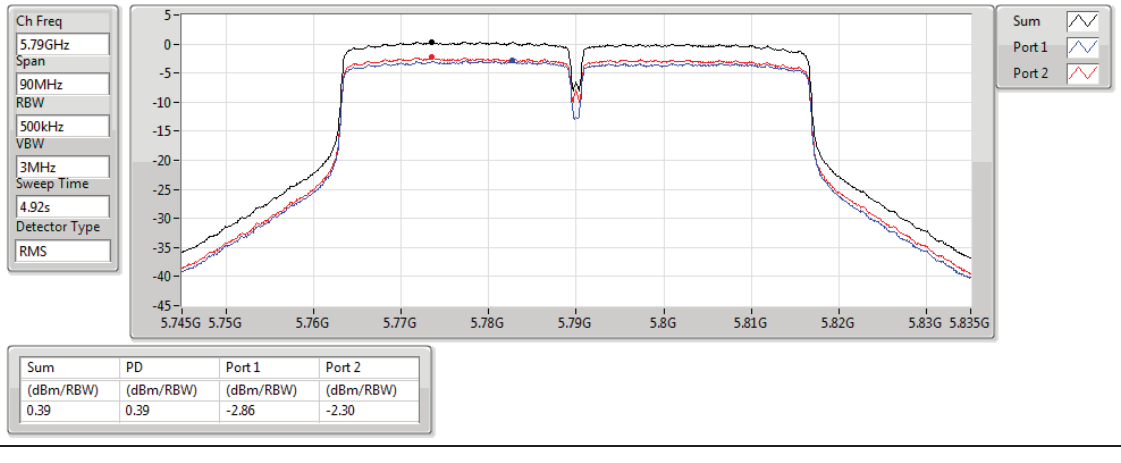
5760MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.14	0.14	-3.06	-2.68

802.11ac VHT60_Nss1,(MCS0)_2TX **PSD**

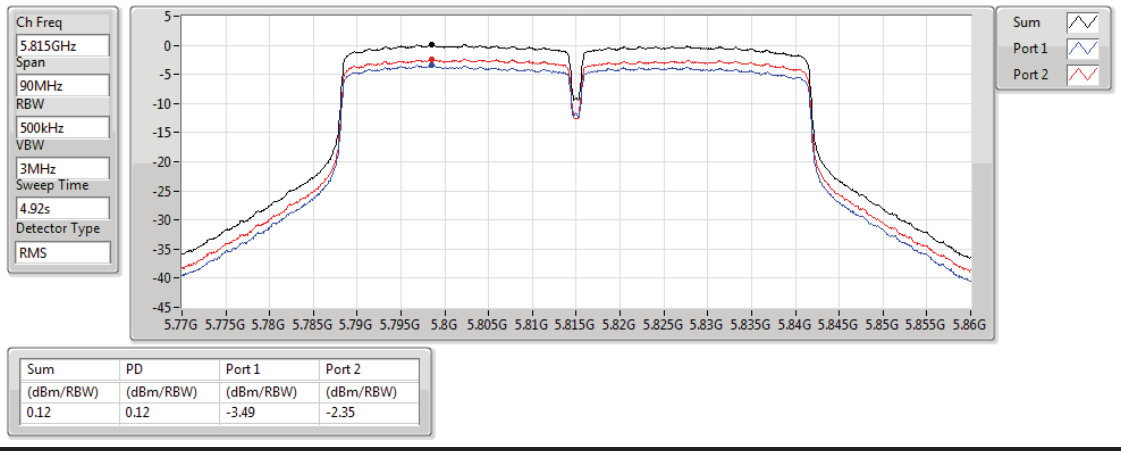
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.39	0.39	-2.86	-2.30

802.11ac VHT60_Nss1,(MCS0)_2TX **PSD**

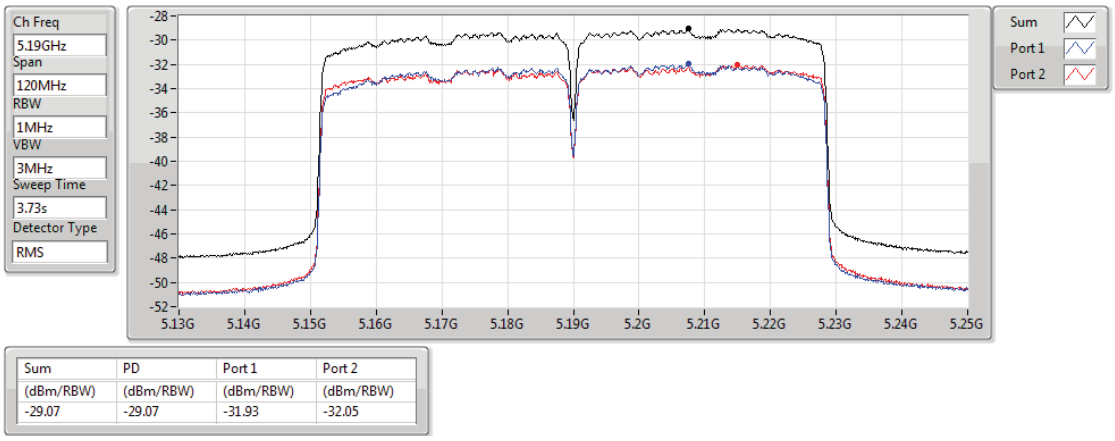
5815MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.12	0.12	-3.49	-2.35

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

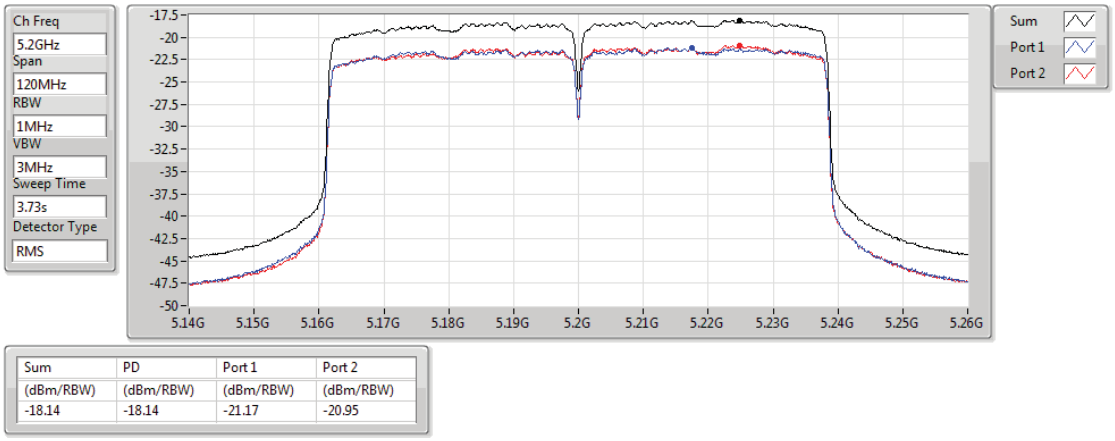
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-29.07	-29.07	-31.93	-32.05

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

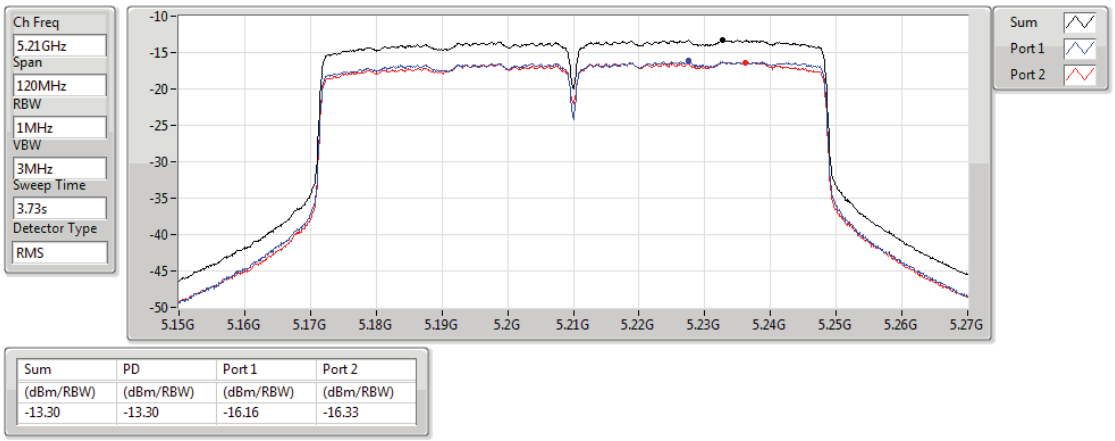
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-18.14	-18.14	-21.17	-20.95

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

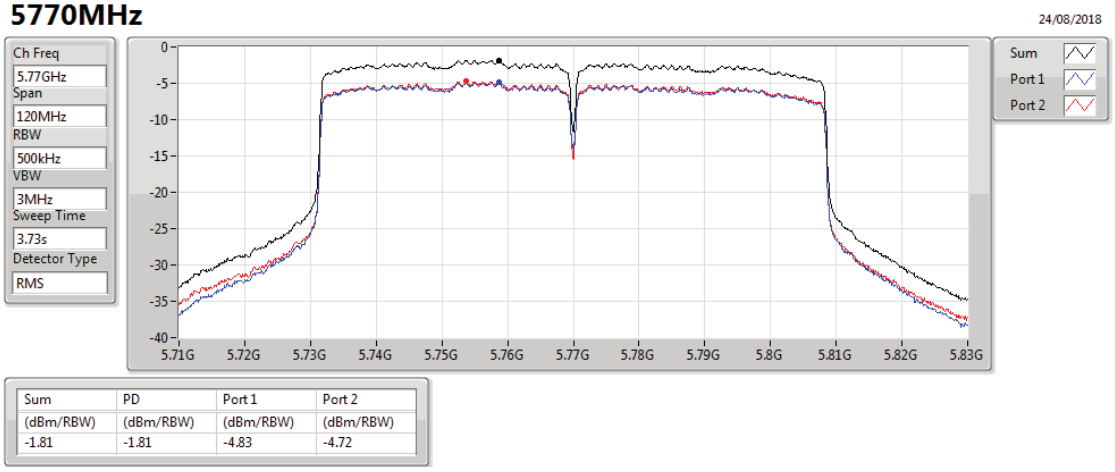
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.30	-13.30	-16.16	-16.33

802.11ac VHT80_Nss1,(MCS0)_2TX **PSD**

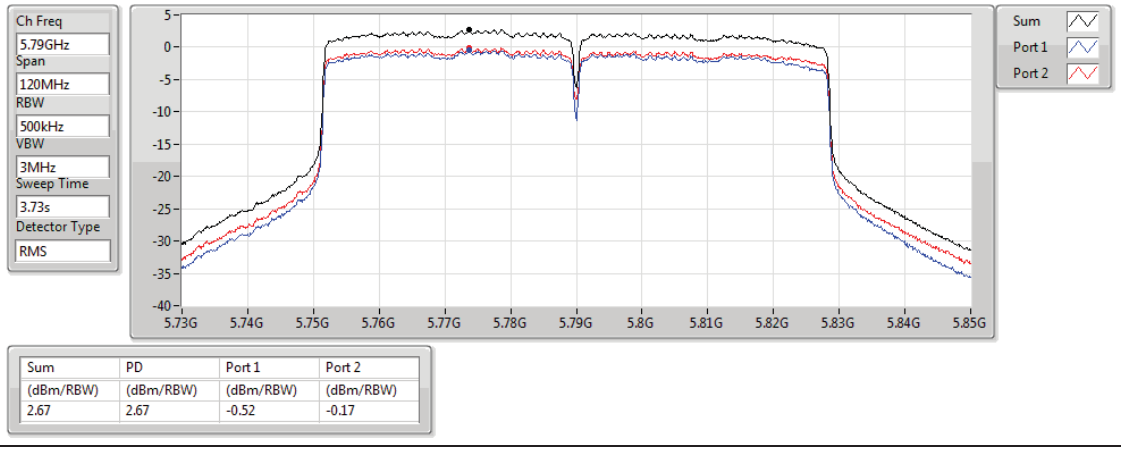
5770MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.81	-1.81	-4.83	-4.72

802.11ac VHT80_Nss1,(MCS0)_2TX **PSD**

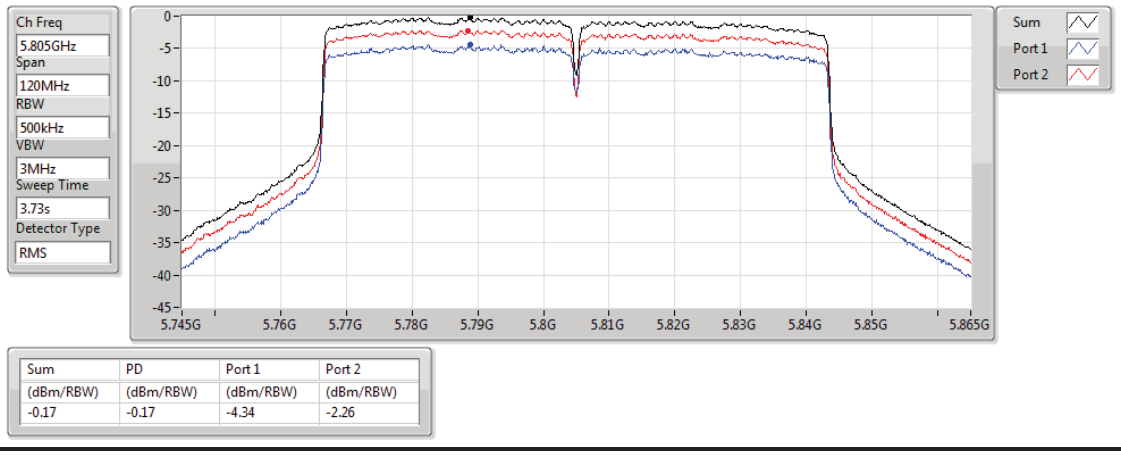
5790MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.67	2.67	-0.52	-0.17

802.11ac VHT80_Nss1,(MCS0)_2TX **PSD**

5805MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.17	-0.17	-4.34	-2.26

Summary

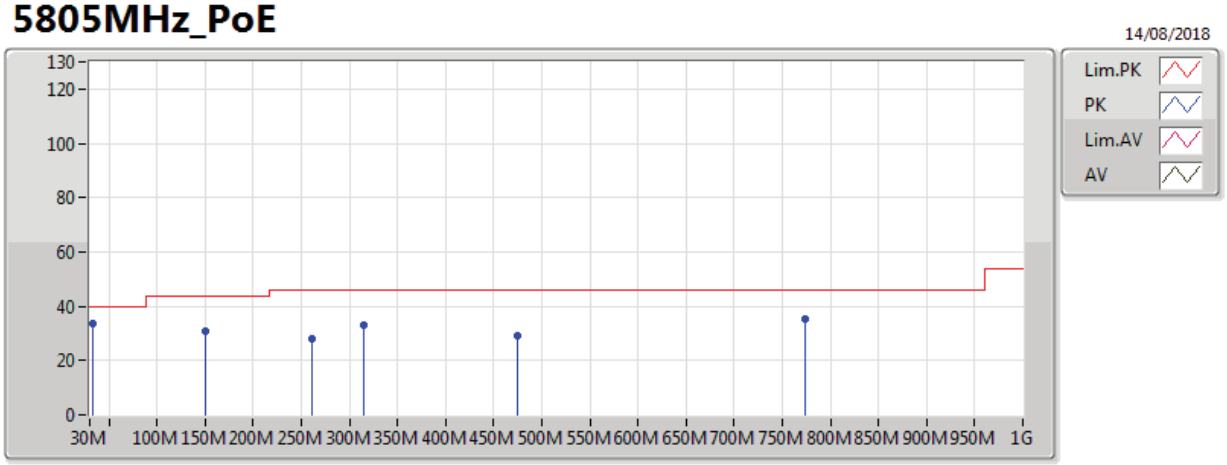
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	315.18M	39.89	46.00	-6.11	-16.46	3	Horizontal	360	3.00	-

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	-	-	-	-	-	-	-	-	-	-	-	-
5805MHz	Pass	PK	33.88M	33.60	40.00	-6.40	-15.32	3	Vertical	0	3.00	-
5805MHz	Pass	PK	150.28M	31.04	43.50	-12.46	-19.48	3	Vertical	0	3.00	-
5805MHz	Pass	PK	260.86M	27.75	46.00	-18.25	-15.71	3	Vertical	0	3.00	-
5805MHz	Pass	PK	315.18M	33.01	46.00	-12.99	-16.46	3	Vertical	0	3.00	-
5805MHz	Pass	PK	474.26M	28.88	46.00	-17.12	-12.47	3	Vertical	0	3.00	-
5805MHz	Pass	PK	773.02M	35.34	46.00	-10.66	-8.16	3	Vertical	0	3.00	-
5805MHz	Pass	PK	30M	21.32	40.00	-18.68	-13.40	3	Horizontal	360	3.00	-
5805MHz	Pass	PK	74.62M	25.21	40.00	-14.79	-24.78	3	Horizontal	360	3.00	-
5805MHz	Pass	PK	144.46M	35.75	43.50	-7.75	-19.35	3	Horizontal	360	3.00	-
5805MHz	Pass	PK	315.18M	39.89	46.00	-6.11	-16.46	3	Horizontal	360	3.00	-
5805MHz	Pass	PK	575.14M	32.97	46.00	-13.03	-10.84	3	Horizontal	360	3.00	-
5805MHz	Pass	PK	674.08M	35.45	46.00	-10.55	-9.99	3	Horizontal	360	3.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

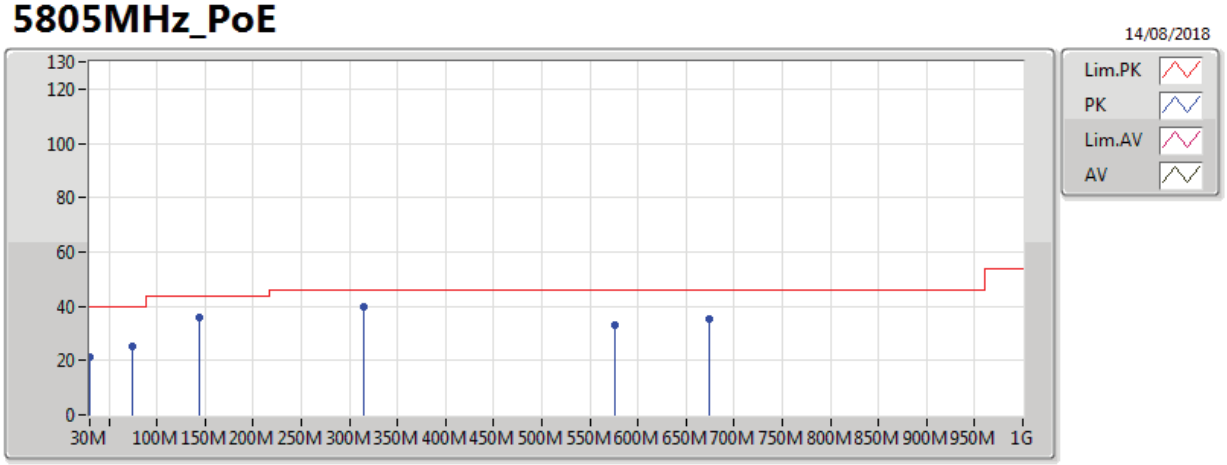
5805MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	33.88M	33.60	40.00	-6.40	-15.32	3	Vertical	0	3.00	-
PK	150.28M	31.04	43.50	-12.46	-19.48	3	Vertical	0	3.00	-
PK	260.86M	27.75	46.00	-18.25	-15.71	3	Vertical	0	3.00	-
PK	315.18M	33.01	46.00	-12.99	-16.46	3	Vertical	0	3.00	-
PK	474.26M	28.88	46.00	-17.12	-12.47	3	Vertical	0	3.00	-
PK	773.02M	35.34	46.00	-10.66	-8.16	3	Vertical	0	3.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5805MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	30M	21.32	40.00	-18.68	-13.40	3	Horizontal	360	3.00	-
PK	74.62M	25.21	40.00	-14.79	-24.78	3	Horizontal	360	3.00	-
PK	144.46M	35.75	43.50	-7.75	-19.35	3	Horizontal	360	3.00	-
PK	315.18M	39.89	46.00	-6.11	-16.46	3	Horizontal	360	3.00	-
PK	575.14M	32.97	46.00	-13.03	-10.84	3	Horizontal	360	3.00	-
PK	674.08M	35.45	46.00	-10.55	-9.99	3	Horizontal	360	3.00	-