FCC Test Report

FCC ID	:	**SK6-XH2240**
Equipment	:	**Wireless Access Point**
Brand Name	:	**riverbed**
Model Name	:	**XH2240**
Applicant	:	**RIVERBED TECHNOLOGY, INC. 680 Folsom Street San Francisco, California United States 94107**
Manufacturer	:	**1) Lite-On Network Communication (Dongguan) Limited 30#Keji Rd.,Yin Hu Industrial Area, Qingxi Town, DongGuan City, Guangdong, China 2) LiteOn Technology Corporation ZhuBei Plant 1F, No.20-1, Taiyuan St., Zhubei City, Hsinchu County 30288, Taiwan 3) LiteOn Technology Corporation No.37, Chung Yang Road, N.E.P.Z., Kaohsiung 81170, Taiwan**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Jul. 13, 2018, and testing was started from Jul. 30, 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.

Allen Lin

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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PHOTOGRAPHS OF EUT V01

History of this test report

Report No.	Version	Description	Issued Date
FR870620AN	01	Initial issue of report	Sep. 27, 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: Sam Tsai

Report Producer: Debby Hung

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.725-5.85GHz	802.11a	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX

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.

1.1.2 Antenna Information

Ant.	Radio	Brand	Model Name	Antenna Type	Connector
1~4	1~2	EAhison	EHS1GA260A	Omni-directional Antenna	N-Type
5~8	1~2	MTI	MT – 953019/NVHD	Dual Band & Quad Polarization Subscriber Antenna	N-Type
9	3	Walsin	RFDPA161300SBAB801	Omni-directional Antenna	MMCX
10		Yetnorson	TLB-2400-3800B	Omni-directional Antenna	MMCX

Ant.	Gain (dBi)		
	2.4G	5G	BT
1~4	2	2	-
5~8	10.23	12.14	-
9	-	-	2.3
10	-	-	2

Ant.	BF Gain (dBi)
	5G
1~4	8.02
5~8	18.16

Directional gain = $G_{ANT\ MAX}$ + 10 log(N_{ANT}/N_{SS}) dBi, where N_{SS} = the number of independent spatial streams of data and $G_{ANT\ MAX}$ is.the gain of the antenna having the highest gain (in dBi).

Note 1: Radio 1 and Radio 2 has two antenna configurations.
Note 2: Ant. 9 was declared to be tested by customer at Bluetooth function.

For 2.4GHz function:
For IEEE 802.11 b/g/n mode (4TX/4RX)
Configurations 1: Ant. 1 to Ant. 4 could transmit/receive simultaneously.
Configurations 2: Ant. 5 to Ant. 8 could transmit/receive simultaneously.

For 5GHz function:
For IEEE 802.11 a/n/ac mode (4TX/4RX)
Configurations 1: Ant. 1 to Ant. 4 could transmit/receive simultaneously.
Configurations 2: Ant. 5 to Ant. 8 could transmit/receive simultaneously.

For Bluetooth function:
For IEEE 802.15.1 Bluetooth mode (1TX/1RX)
Ant. 9 could transmit/receive simultaneously.

1.1.3 EUT Information

EUT support function			
Radio	**2.4G Function**	**5G Function**	**Bluetooth Function**
1	Support	Support	N/A
2	N/A	Support	N/A
3	N/A	N/A	Support

Operational Condition				
EUT Power Type	From PoE			
EUT Function	☒	Outdoor	☐	Indoor
	☐	Fixed P2P	☐	Client
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

Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.992	0.035	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.991	0.039	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.982	0.079	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT80	0.965	0.155	462.5u	3k

Radio 2

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.991	0.039	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.988	0.052	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.96	0.177	946.25u	3k
802.11ac VHT80	0.929	0.32	23.895m	100

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
RF Conducted <Non-Beamforming>	TH01-HY	Barry	26.3°C / 60%	16/Aug/2018
RF Conducted < Beamforming>	TH06-HY	Andy	23.4°C / 63%	21/Aug/2018
Radiated <Non-Beamforming>	03CH09-HY	Andy	22.8°C / 59%	30/Aug/2018
Radiated < Beamforming>	03CH09-HY	Andy	23.2°C / 56%	30/Aug/2018
AC Conduction	CO04-HY	Jerry	24.5°C / 55.5%	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

Radio 1 Omni Antenna:

Test Software	Putty

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	52
5200MHz	52
5240MHz	52
5745MHz	104
5785MHz	104
5825MHz	104
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	53
5200MHz	53
5240MHz	54
5745MHz	104
5785MHz	104
5825MHz	104
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	52
5230MHz	52
5755MHz	91
5795MHz	97
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	53
5775MHz	86

Radio 1 Dual Antenna:

Test Software	Putty

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	11
5200MHz	12
5240MHz	12
5745MHz	70
5785MHz	70
5825MHz	70
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	13
5200MHz	13
5240MHz	13
5745MHz	72
5785MHz	72
5825MHz	72
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	12
5230MHz	12
5755MHz	74
5795MHz	73
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	12
5775MHz	66

Radio 2 Omni Antenna:

Test Software	Putty

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	48
5200MHz	48
5240MHz	47
5745MHz	95
5785MHz	95
5825MHz	95
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	49
5200MHz	49
5240MHz	49
5745MHz	95
5785MHz	95
5825MHz	95
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	47
5230MHz	48
5755MHz	90
5795MHz	96
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	50
5775MHz	80

Radio 2 Dual Antenna:

Test Software	Putty

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	8
5200MHz	7
5240MHz	7
5745MHz	68
5785MHz	68
5825MHz	69
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	8
5200MHz	9
5240MHz	9
5745MHz	69
5785MHz	69
5825MHz	70
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	7
5230MHz	6
5755MHz	69
5795MHz	69
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	9
5775MHz	69

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 _Non-Beamforming_ Omni Antenna
2	PoE mxode _Non-Beamforming_ Dual Antenna
3	PoE mode _ Beamforming_Omni Antenna
4	PoE mode _ Beamforming_Dual Antenna

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 _Non-Beamforming_ Radio 1_Omni Antenna		
2	PoE mode _Non-Beamforming Radio 1_ Dual Antenna		
3	PoE mode _ Beamforming _Radio 2_Omni Antenna		
4	PoE mode _ Beamforming_Radio 2_Dual Antenna		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
Worst Planes of EUT			V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Radio 1 (2.4G)+ Radio 2(5G)+ Radio 3(BT)
2	Radio 1 (5G)+ Radio 2(5G)+ Radio 3(BT)
Refer to Sporton Test Report No.: FA870620 for Co-location RF Exposure Evaluation.	

2.4 Accessories

Accessories		
Ground Wire	Signal Line	0.22 meter, non-shielded cable,w/o ferrite core

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	R33002 / DOC
2	Adapter for NB	DELL	HA65NM130	R35737 / DOC
3	AC Power Source	GW	APS-9102	-
4	PoE	XIRRUS	XP1-MSI-75	-
5	Client	-	-	-

Note.Support equipment No.4,5 was provided by customer.

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	PoE(remote)	XIRRUS	XP1-MSI-75	-

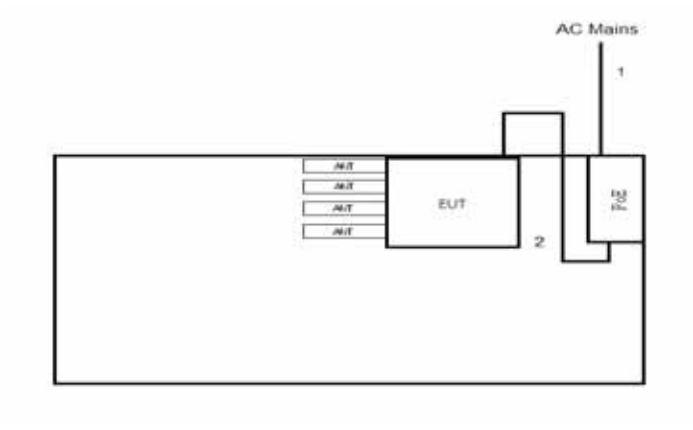
Note.Support equipment No.1 was provided by customer.

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Client	-	-	-
2	PoE	XIRRUS	XP1-MSI-75	-

Note.Support equipment No.1,2 was provided by customer.

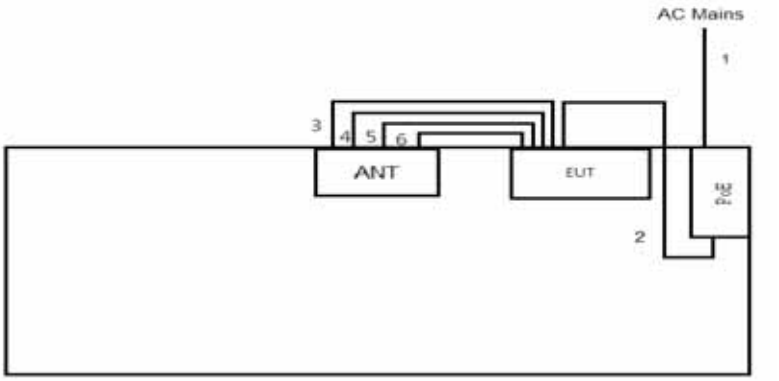
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test - Omni Antenna



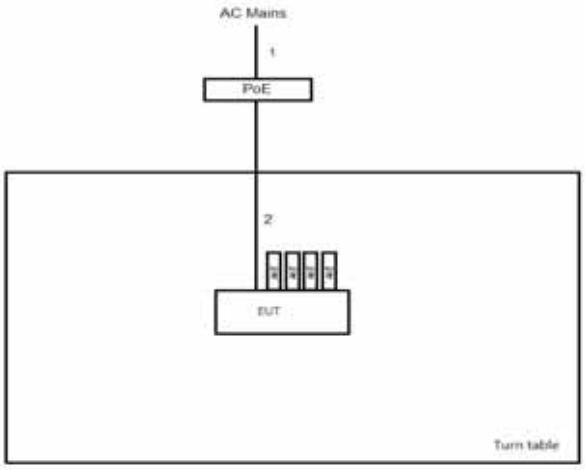
Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	RJ45	No	1.0	-

Test Setup Diagram – AC Line Conducted Emission Test - Dual Antenna



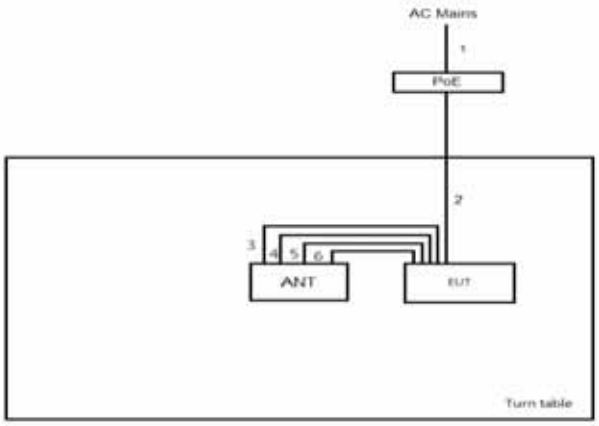
Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	RJ45	No	1.0	-
3	N-TYPE Cable	No	1.2	-
4	N-TYPE Cable	No	1.2	-
5	N-TYPE Cable	No	1.2	-
6	N-TYPE Cable	No	1.2	-

Test Setup Diagram - Radiated Test - Omni Antenna



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.0	-
2	RJ45	No	10	-

Test Setup Diagram - Radiated Test - Dual Antenna



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.0	-
2	RJ45	No	10	-
3	N-TYPE Cable	No	1.2	-
4	N-TYPE Cable	No	1.2	-
5	N-TYPE Cable	No	1.2	-
6	N-TYPE Cable	No	1.2	-

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

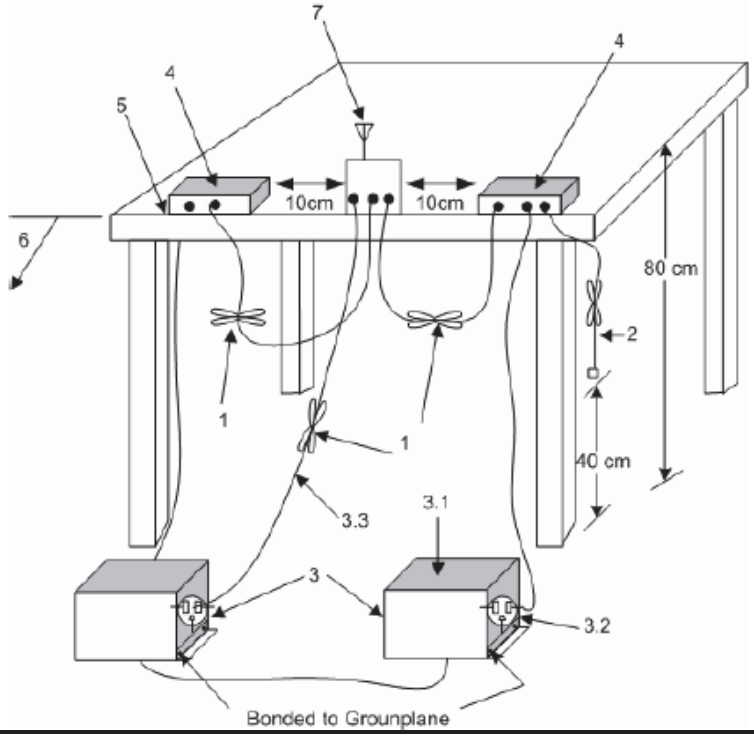
Refer a test equipment and calibration data table in this test report.

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

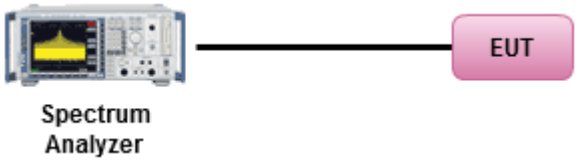
Refer a test equipment and calibration data table in this test report.

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.	

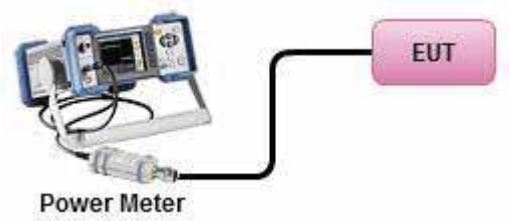
3.3.2 Measuring Instruments

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.	

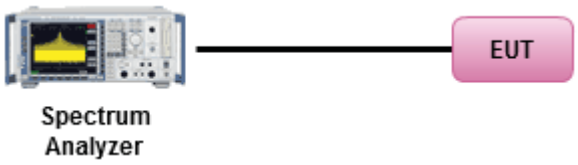
3.4.2 Measuring Instruments

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.

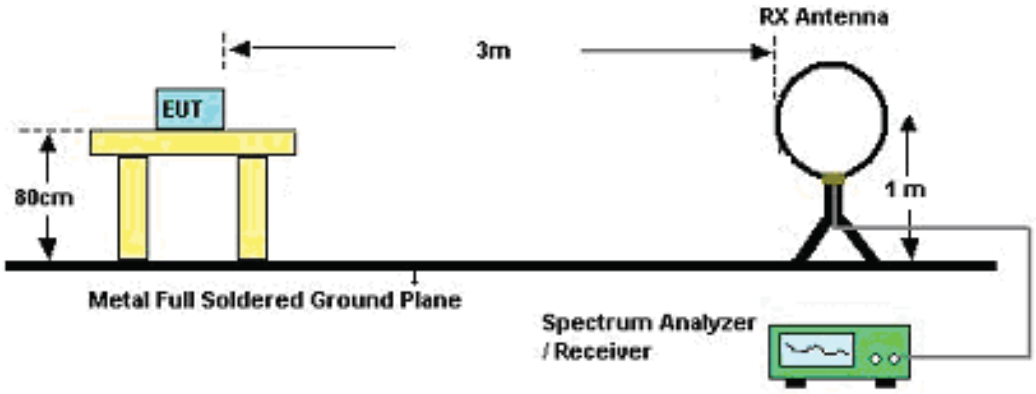
3.5.3 Test Procedures

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.		

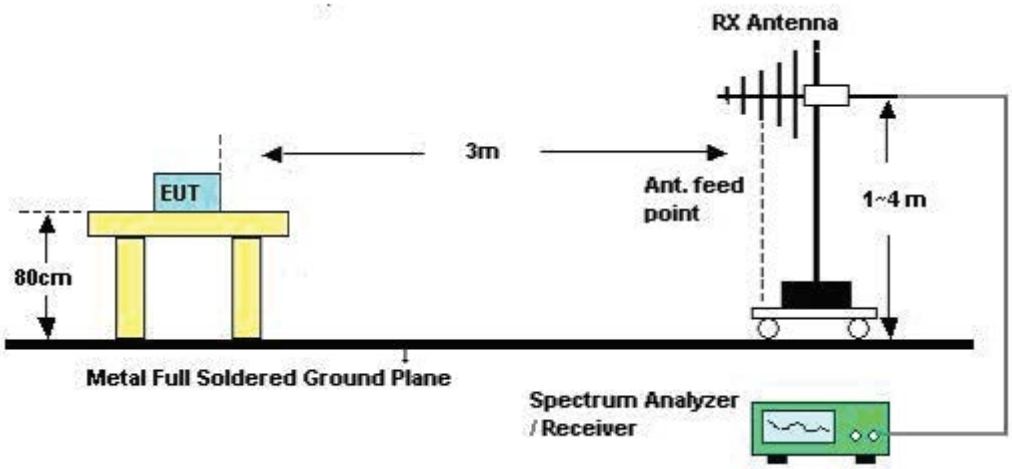
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

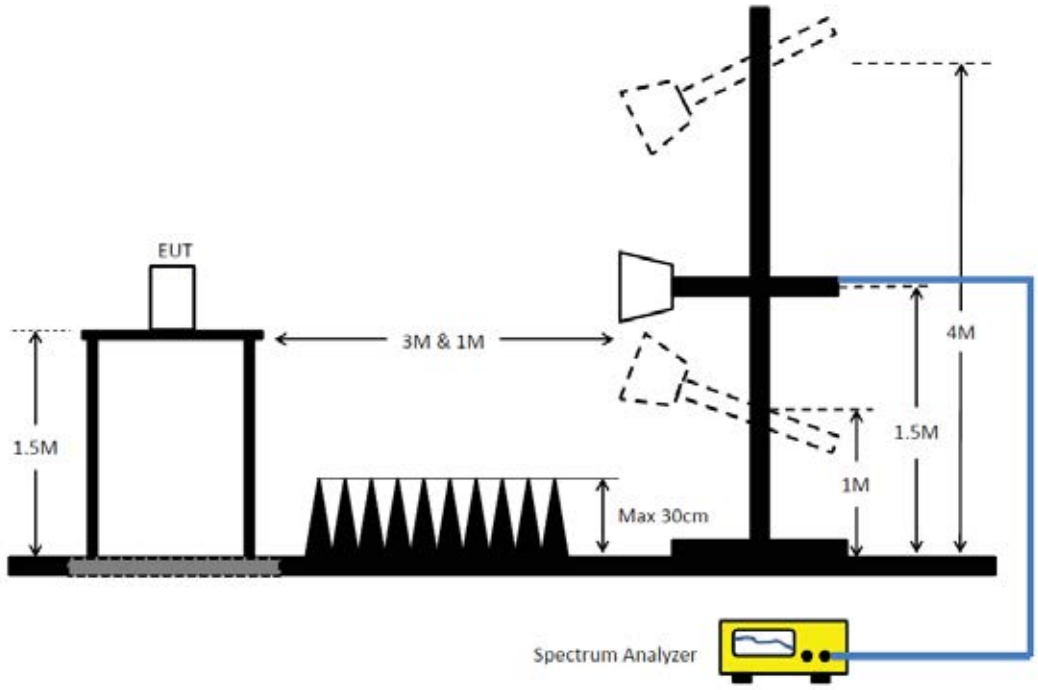
9kHz ~30MHz



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

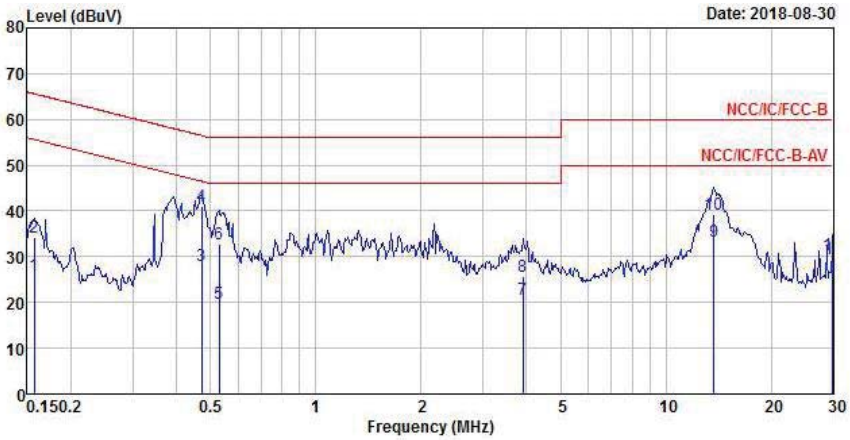
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	06/Nov/2017	05/Nov/2018
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	06/Nov/2017	05/Nov/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-1m	HUBER+SUHNER	SUCOFLEX_104	MY37332/4	30MHz ~ 26.5GHz	26/Jan/2018	25/Jan/2019
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	26/Jul/2018	25/Jul/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	03CH02-HY	30MHz ~ 1GHz 3m	20/Oct/2017	19/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	27/Oct/2017	26/Oct/2018
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	27Jul/2018	02/Jul/2019
Spectrum Analyzer	Rohde & Schwarz	FSP40	100593	9KHz - 40GHz	12/Dec/2017	11/Dec/2018
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100354	9kHz ~ 2.75GHz	08/Dec/2017	07/Dec/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	19/Jan/2018	18/Jan/2019
Bilog Antenna	SCHAFFNER	CBL 6112B	2723	30MHz ~ 1GHz	09/Sep/2017	08/Sep/2018
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	28/Sep/2017	27/Sep/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	19/Jan/2018	18/Jan/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	06/Feb/2018	05/Feb/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120 D 1531	1GHz ~ 18GHz	18/Apr/ 2018	17/Apr/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	31/Aug/2017	30/Aug/2018

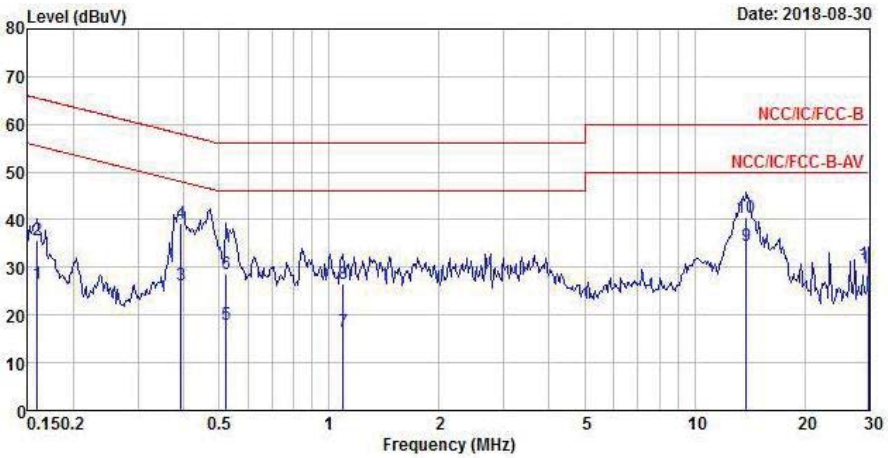
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode_ Non-Beamforming_Omni Antenna		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	25.88	-29.72	55.60	16.21	9.63	0.04	Average
2	0.16	34.25	-31.35	65.60	24.58	9.63	0.04	QP
3	0.47	28.03	-18.46	46.49	18.34	9.61	0.08	Average
4 MAX	0.47	40.98	-15.51	56.49	31.29	9.61	0.08	QP
5	0.53	19.67	-26.33	46.00	9.99	9.61	0.07	Average
6	0.53	32.74	-23.26	56.00	23.06	9.61	0.07	QP
7	3.90	20.77	-25.23	46.00	11.05	9.64	0.08	Average
8	3.90	25.68	-30.32	56.00	15.96	9.64	0.08	QP
9	13.70	33.30	-16.70	50.00	23.56	9.70	0.04	Average
10	13.70	39.36	-20.64	60.00	29.62	9.70	0.04	QP
11	30.00	29.47	-20.53	50.00	19.48	9.69	0.30	Average
12	30.00	30.39	-29.61	60.00	20.40	9.69	0.30	QP

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

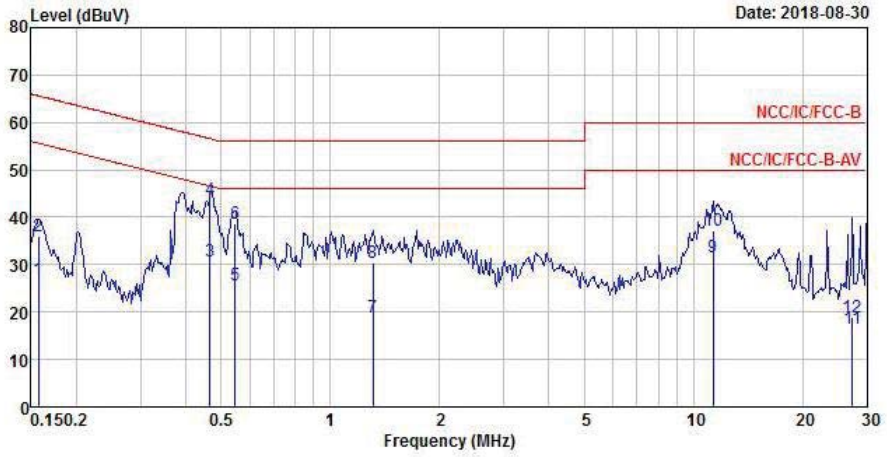
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode_ Non-Beamforming_Omni Antenna		



		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.16	26.50	-29.02	55.52	16.85	9.62	0.03	Average
2		0.16	35.74	-29.78	65.52	26.09	9.62	0.03	QP
3		0.39	26.24	-21.75	47.99	16.53	9.61	0.10	Average
4		0.39	39.34	-18.65	57.99	29.63	9.61	0.10	QP
5		0.52	18.03	-27.97	46.00	8.35	9.61	0.07	Average
6		0.52	28.57	-27.43	56.00	18.89	9.61	0.07	QP
7		1.09	16.60	-29.40	46.00	6.99	9.61	0.00	Average
8		1.09	26.49	-29.51	56.00	16.88	9.61	0.00	QP
9	MAX	13.84	34.45	-15.55	50.00	24.77	9.64	0.04	Average
10		13.84	40.30	-19.70	60.00	30.62	9.64	0.04	QP
11		30.00	29.73	-20.27	50.00	19.93	9.50	0.30	Average
12		30.00	30.72	-29.28	60.00	20.92	9.50	0.30	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.)

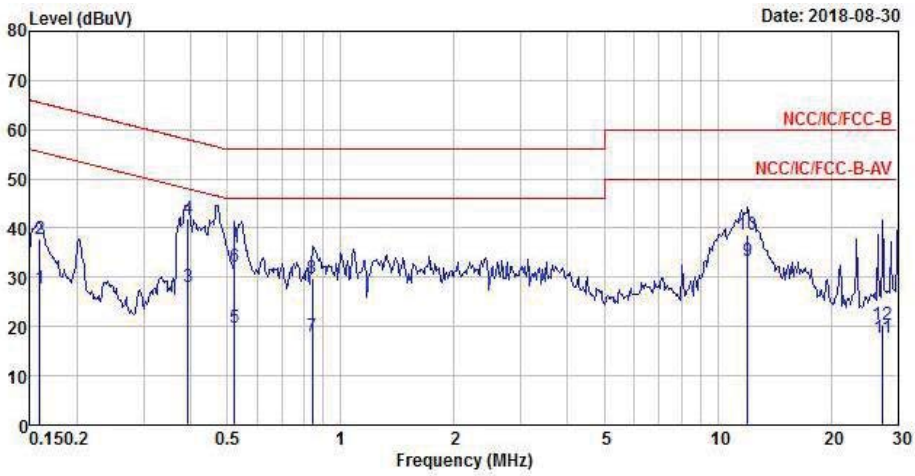
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Neutral
Operating Function	PoE mode_ Non-Beamforming_ Dual Antenna		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	26.91	-28.69	55.60	17.24	9.63	0.04	Average
2	0.16	36.08	-29.52	65.60	26.41	9.63	0.04	QP
3	0.47	30.77	-15.81	46.58	21.08	9.61	0.08	Average
4 MAX	0.47	43.61	-12.97	56.58	33.92	9.61	0.08	QP
5	0.55	25.58	-20.42	46.00	15.90	9.61	0.07	Average
6	0.55	38.75	-17.25	56.00	29.07	9.61	0.07	QP
7	1.31	19.03	-26.97	46.00	9.41	9.62	0.00	Average
8	1.31	30.35	-25.65	56.00	20.73	9.62	0.00	QP
9	11.32	31.64	-18.36	50.00	21.81	9.69	0.14	Average
10	11.32	37.28	-22.72	60.00	27.45	9.69	0.14	QP
11	27.42	16.61	-33.39	50.00	6.77	9.69	0.15	Average
12	27.42	18.91	-41.09	60.00	9.07	9.69	0.15	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.)

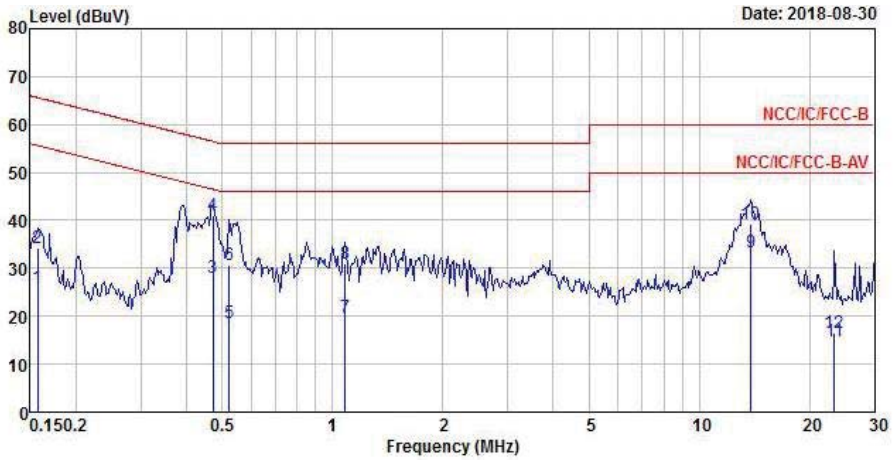
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Line
Operating Function	PoE mode_ Non-Beamforming_ Dual Antenna		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	27.61	-27.91	55.52	17.96	9.62	0.03	Average
2	0.16	37.76	-27.76	65.52	28.11	9.62	0.03	QP
3	0.39	27.97	-20.02	47.99	18.26	9.61	0.10	Average
4 MAX	0.39	41.91	-16.08	57.99	32.20	9.61	0.10	QP
5	0.52	19.87	-26.13	46.00	10.19	9.61	0.07	Average
6	0.52	32.26	-23.74	56.00	22.58	9.61	0.07	QP
7	0.84	17.99	-28.01	46.00	8.36	9.61	0.02	Average
8	0.84	29.90	-26.10	56.00	20.27	9.61	0.02	QP
9	12.00	33.45	-16.55	50.00	23.69	9.65	0.11	Average
10	12.00	38.81	-21.19	60.00	29.05	9.65	0.11	QP
11	27.42	17.58	-32.42	50.00	7.90	9.53	0.15	Average
12	27.42	20.43	-39.57	60.00	10.75	9.53	0.15	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.)

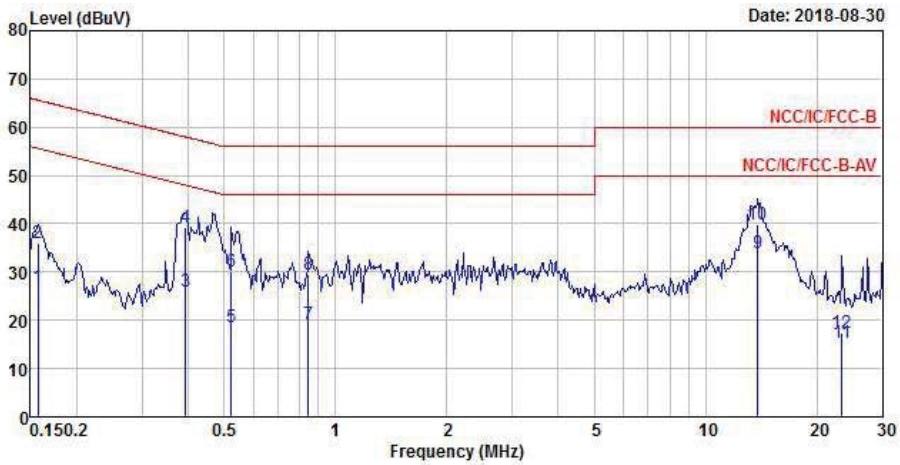
AC Power-line Conducted Emissions Result			
Operating Mode	3	**Power Phase**	Neutral
Operating Function	PoE mode_ Beamforming_Omni Antenna		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	25.99	-29.61	55.60	16.32	9.63	0.04	Average
2	0.16	34.33	-31.27	65.60	24.66	9.63	0.04	QP
3	0.47	28.14	-18.35	46.49	18.45	9.61	0.08	Average
4 MAX	0.47	41.13	-15.36	56.49	31.44	9.61	0.08	QP
5	0.52	18.53	-27.47	46.00	8.85	9.61	0.07	Average
6	0.52	30.84	-25.16	56.00	21.16	9.61	0.07	QP
7	1.08	19.67	-26.33	46.00	10.05	9.62	0.00	Average
8	1.08	31.09	-24.91	56.00	21.47	9.62	0.00	QP
9	13.84	33.39	-16.61	50.00	23.65	9.70	0.04	Average
10	13.84	39.32	-20.68	60.00	29.58	9.70	0.04	QP
11	23.39	14.80	-35.20	50.00	5.04	9.70	0.06	Average
12	23.39	16.49	-43.51	60.00	6.73	9.70	0.06	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.)

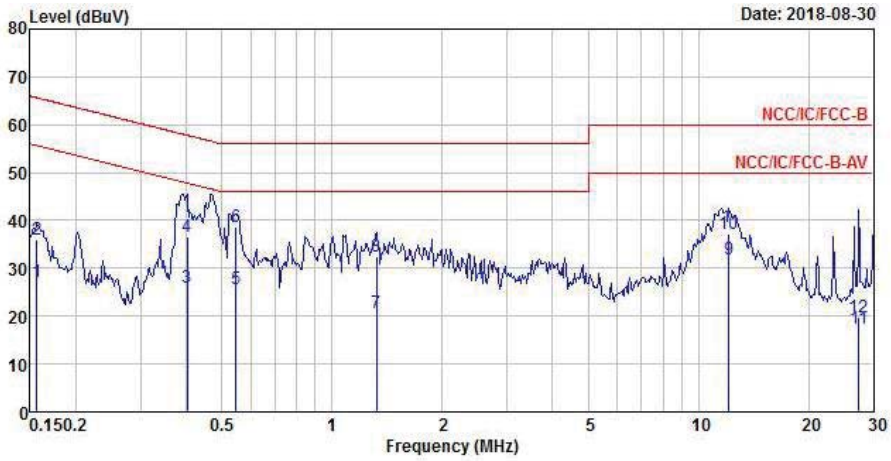
AC Power-line Conducted Emissions Result			
Operating Mode	3	**Power Phase**	Line
Operating Function	PoE mode_ Beamforming_Omni Antenna		



		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.16	26.88	-28.72	55.60	17.22	9.62	0.04	Average
2		0.16	35.95	-29.65	65.60	26.29	9.62	0.04	QP
3		0.39	26.06	-21.93	47.99	16.35	9.61	0.10	Average
4		0.39	39.29	-18.70	57.99	29.58	9.61	0.10	QP
5		0.52	18.52	-27.48	46.00	8.84	9.61	0.07	Average
6		0.52	30.03	-25.97	56.00	20.35	9.61	0.07	QP
7		0.84	19.15	-26.85	46.00	9.52	9.61	0.02	Average
8		0.84	29.54	-26.46	56.00	19.91	9.61	0.02	QP
9	MAX	13.84	34.05	-15.95	50.00	24.37	9.64	0.04	Average
10		13.84	39.96	-20.04	60.00	30.28	9.64	0.04	QP
11		23.39	15.46	-34.54	50.00	5.83	9.57	0.06	Average
12		23.39	17.56	-42.44	60.00	7.93	9.57	0.06	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.)

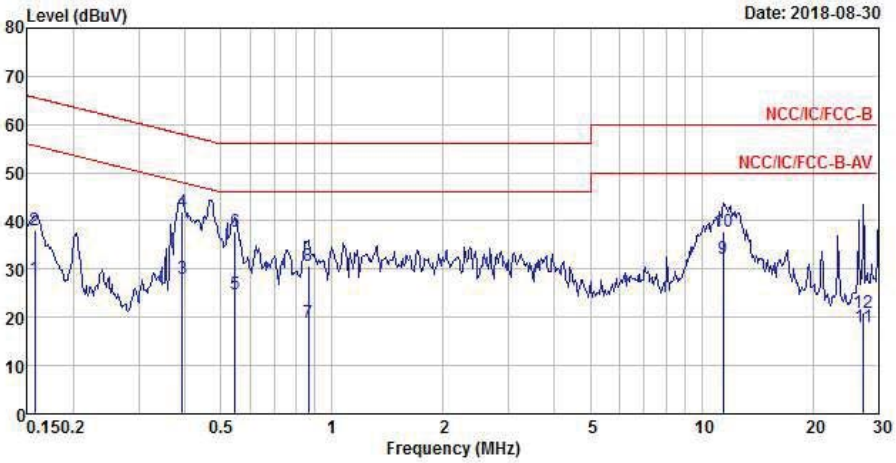
AC Power-line Conducted Emissions Result			
Operating Mode	4	**Power Phase**	Neutral
Operating Function	PoE mode_ Beamforming_ Dual Antenna		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	27.16	-28.49	55.65	17.49	9.63	0.04	Average
2	0.16	36.07	-29.58	65.65	26.40	9.63	0.04	QP
3	0.40	26.03	-21.78	47.81	16.32	9.61	0.10	Average
4	0.40	36.62	-21.19	57.81	26.91	9.61	0.10	QP
5	0.55	25.59	-20.41	46.00	15.91	9.61	0.07	Average
6 MAX	0.55	38.74	-17.26	56.00	29.06	9.61	0.07	QP
7	1.32	20.70	-25.30	46.00	11.08	9.62	0.00	Average
8	1.32	32.56	-23.44	56.00	22.94	9.62	0.00	QP
9	12.12	31.86	-18.14	50.00	22.06	9.70	0.10	Average
10	12.12	37.29	-22.71	60.00	27.49	9.70	0.10	QP
11	27.42	17.32	-32.68	50.00	7.48	9.69	0.15	Average
12	27.42	19.81	-40.19	60.00	9.97	9.69	0.15	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	4	**Power Phase**	Line
Operating Function	PoE mode_ Beamforming_ Dual Antenna		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	28.02	-27.58	55.60	18.36	9.62	0.04	Average
2	0.16	38.01	-27.59	65.60	28.35	9.62	0.04	QP
3	0.39	28.04	-19.95	47.99	18.33	9.61	0.10	Average
4 MAX	0.39	41.90	-16.09	57.99	32.19	9.61	0.10	QP
5	0.55	24.71	-21.29	46.00	15.03	9.61	0.07	Average
6	0.55	37.67	-18.33	56.00	27.99	9.61	0.07	QP
7	0.86	19.01	-26.99	46.00	9.38	9.61	0.02	Average
8	0.86	30.72	-25.28	56.00	21.09	9.61	0.02	QP
9	11.44	32.10	-17.90	50.00	22.32	9.65	0.13	Average
10	11.44	37.73	-22.27	60.00	27.95	9.65	0.13	QP
11	27.42	17.89	-32.11	50.00	8.21	9.53	0.15	Average
12	27.42	20.91	-39.09	60.00	11.23	9.53	0.15	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)_4TX	21.625M	16.617M	16M6D1D	21.3M	16.542M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.925M	17.816M	17M8D1D	21.45M	17.716M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.2M	36.332M	36M3D1D	39.6M	36.132M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.5M	74.963M	75M0D1D	80.5M	74.863M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.375M	38.681M	38M7D1D	15.7M	34.183M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.6M	40.98M	41M0D1D	16.55M	31.634M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.4M	72.964M	73M0D1D	35.9M	41.679M
802.11ac VHT80_Nss1,(MCS0)_4TX	75.8M	87.356M	87M4D1D	75.5M	76.462M

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

Result

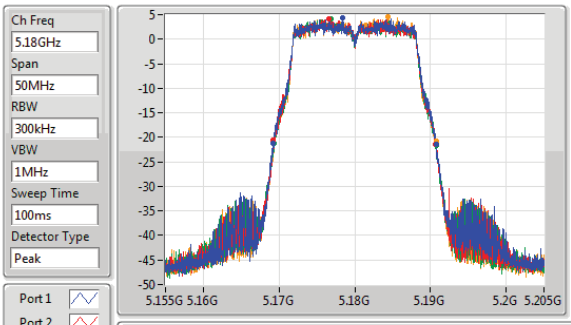
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.575M	16.567M	21.425M	16.542M	21.45M	16.592M	21.5M	16.617M
5200MHz	Pass	Inf	21.625M	16.592M	21.45M	16.617M	21.425M	16.542M	21.3M	16.567M
5240MHz	Pass	Inf	21.575M	16.617M	21.55M	16.592M	21.45M	16.542M	21.45M	16.592M
5745MHz	Pass	500k	16.35M	34.858M	16.325M	37.931M	16.3M	37.506M	16.325M	37.231M
5785MHz	Pass	500k	16.275M	34.183M	16.275M	37.606M	15.7M	37.231M	16.35M	37.081M
5825MHz	Pass	500k	16.3M	36.507M	16.325M	38.681M	16.375M	38.181M	16.325M	37.731M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.925M	17.816M	21.575M	17.766M	21.45M	17.741M	21.575M	17.716M
5200MHz	Pass	Inf	21.8M	17.766M	21.475M	17.741M	21.75M	17.716M	21.65M	17.766M
5240MHz	Pass	Inf	21.75M	17.741M	21.475M	17.766M	21.6M	17.716M	21.65M	17.716M
5745MHz	Pass	500k	17.575M	31.634M	17.55M	40.13M	16.55M	39.93M	17.6M	39.68M
5785MHz	Pass	500k	17.575M	32.609M	17.575M	40.13M	17.475M	39.705M	17.1M	39.13M
5825MHz	Pass	500k	17.55M	33.783M	17.525M	40.705M	17.225M	40.98M	17.55M	40.33M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.15M	36.132M	39.6M	36.332M	39.9M	36.232M	39.6M	36.182M
5230MHz	Pass	Inf	40.2M	36.282M	39.85M	36.282M	39.7M	36.282M	39.8M	36.182M
5755MHz	Pass	500k	36.3M	41.679M	36.3M	58.221M	36.3M	54.723M	36.4M	49.175M
5795MHz	Pass	500k	35.95M	60.52M	35.9M	72.964M	36.3M	70.715M	36.25M	67.266M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.5M	74.863M	81.2M	74.963M	80.8M	74.863M	80.5M	74.963M
5775MHz	Pass	500k	75.8M	76.462M	75.7M	83.858M	75.6M	87.356M	75.5M	76.962M

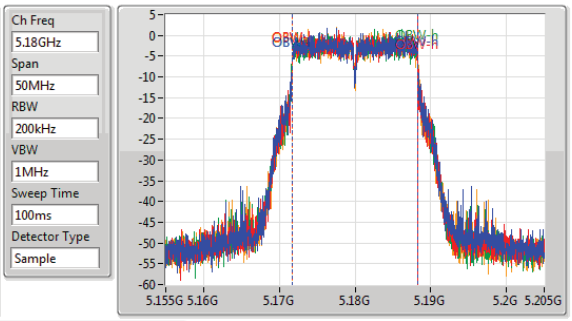
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

15/08/2018



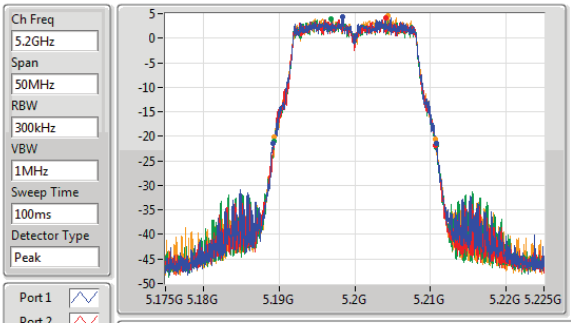


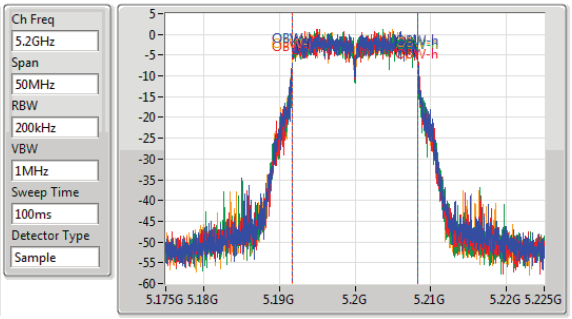
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.575M	5.169225G	5.1908G	16.567M	5.171704G	5.188271G	Inf	1
21.425M	5.169275G	5.1907G	16.542M	5.171729G	5.188271G	Inf	2
21.45M	5.169325G	5.190775G	16.592M	5.171704G	5.188296G	Inf	3
21.5M	5.1693G	5.1908G	16.617M	5.171704G	5.188321G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

15/08/2018



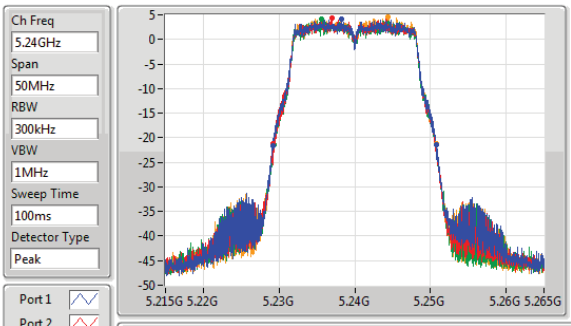


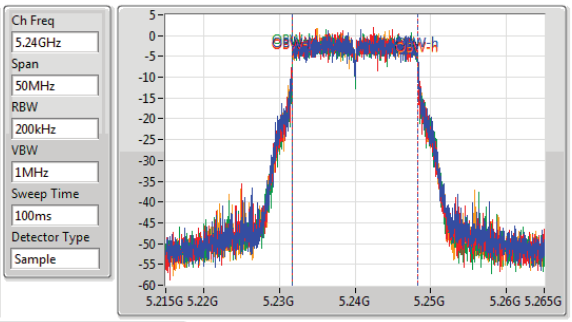
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.625M	5.1892G	5.210825G	16.592M	5.191704G	5.208296G	Inf	1
21.45M	5.18925G	5.2107G	16.617M	5.191729G	5.208346G	Inf	2
21.425M	5.18935G	5.210775G	16.542M	5.191729G	5.208271G	Inf	3
21.3M	5.189375G	5.210675G	16.567M	5.191704G	5.208271G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

15/08/2018



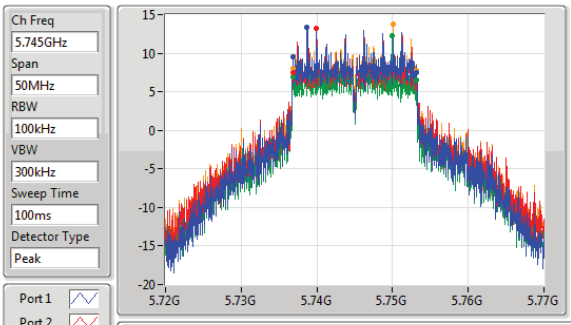


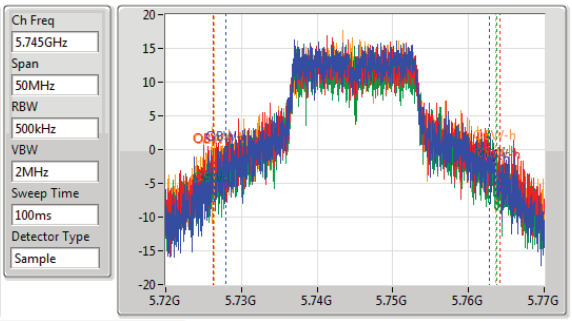
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.575M	5.2292G	5.250775G	16.617M	5.231704G	5.248321G	Inf	1
21.55M	5.229225G	5.250775G	16.592M	5.231704G	5.248296G	Inf	2
21.45M	5.2293G	5.25075G	16.542M	5.231729G	5.248271G	Inf	3
21.45M	5.229275G	5.250725G	16.592M	5.231704G	5.248296G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

14/08/2018



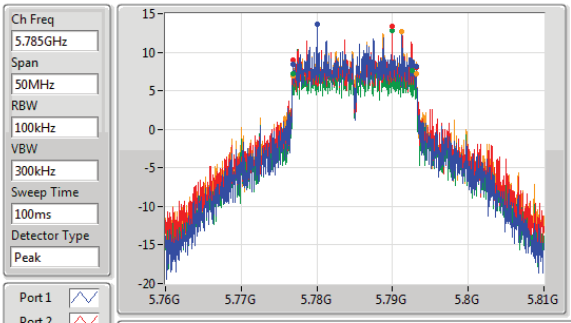


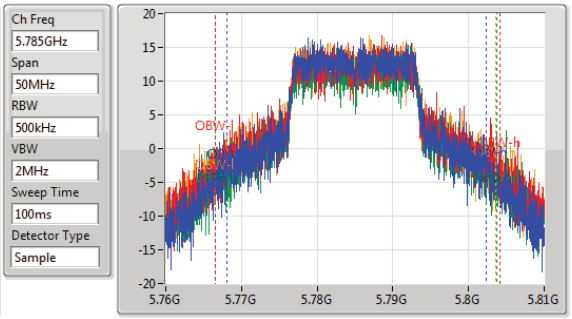
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.73685G	5.7532G	34.858M	5.727884G	5.762741G	500k	1
16.325M	5.73685G	5.753175G	37.931M	5.726284G	5.764215G	500k	2
16.3M	5.73685G	5.75315G	37.506M	5.726284G	5.763791G	500k	3
16.325M	5.736825G	5.75315G	37.231M	5.726384G	5.763616G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

14/08/2018



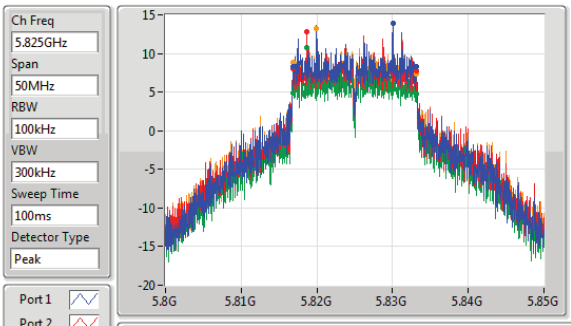


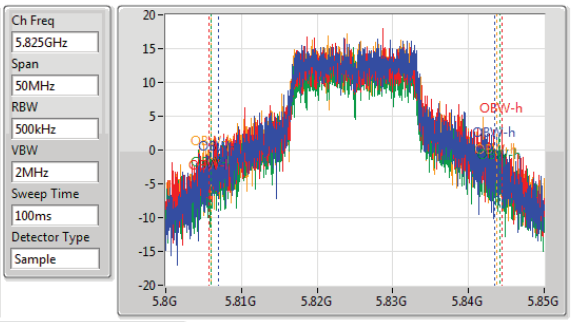
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.776875G	5.79315G	34.183M	5.768108G	5.802291G	500k	1
16.275M	5.776875G	5.79315G	37.606M	5.766484G	5.80409G	500k	2
15.7M	5.77685G	5.79255G	37.231M	5.766534G	5.803766G	500k	3
16.35M	5.776825G	5.793175G	37.081M	5.766509G	5.803591G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

14/08/2018



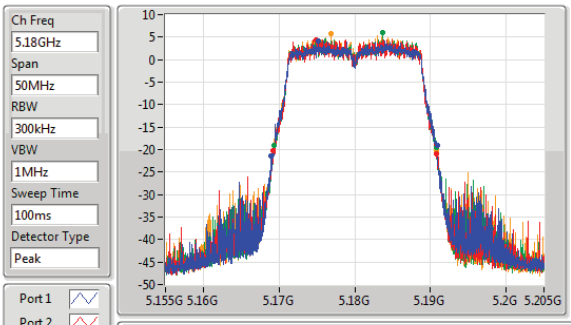


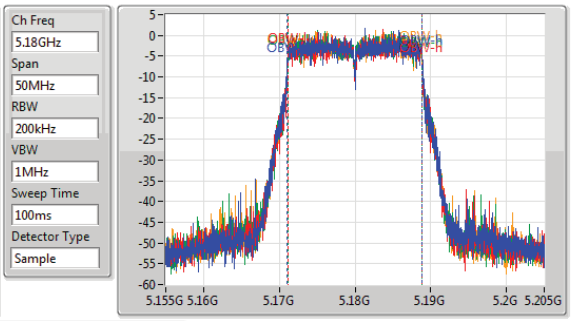
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.816875G	5.833175G	36.507M	5.806984G	5.843491G	500k	1
16.325M	5.816825G	5.83315G	38.681M	5.80576G	5.84444G	500k	2
16.375M	5.8168G	5.833175G	38.181M	5.805935G	5.844115G	500k	3
16.325M	5.816825G	5.83315G	37.731M	5.806034G	5.843766G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5180MHz

15/08/2018



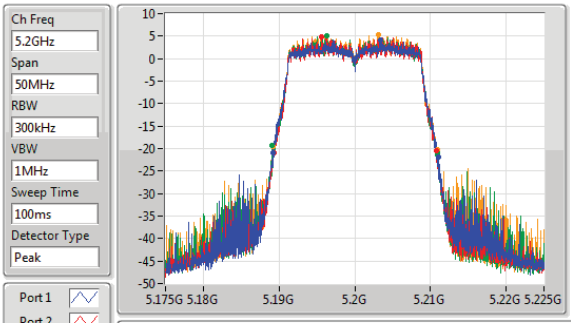


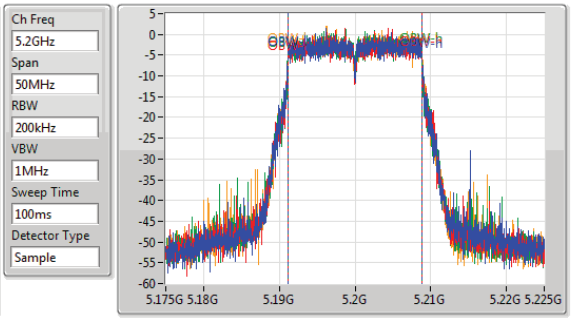
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.925M	5.16895G	5.190875G	17.816M	5.171079G	5.188896G	Inf	1
21.575M	5.169275G	5.19085G	17.766M	5.171129G	5.188896G	Inf	2
21.45M	5.1693G	5.19075G	17.741M	5.171129G	5.188871G	Inf	3
21.575M	5.16925G	5.190825G	17.716M	5.171154G	5.188871G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5200MHz

15/08/2018



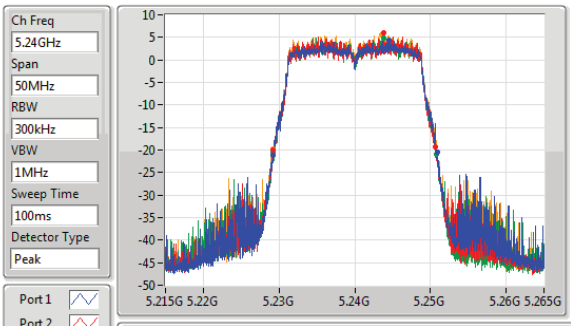


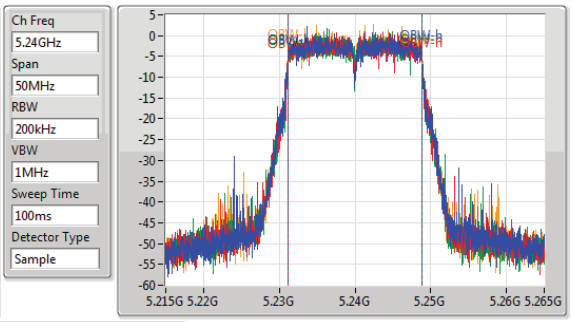
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.8M	5.189225G	5.211025G	17.766M	5.191129G	5.208896G	Inf	1
21.475M	5.1893G	5.210775G	17.741M	5.191129G	5.208871G	Inf	2
21.75M	5.189125G	5.210875G	17.716M	5.191129G	5.208846G	Inf	3
21.65M	5.18925G	5.2109G	17.766M	5.191129G	5.208896G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5240MHz

15/08/2018



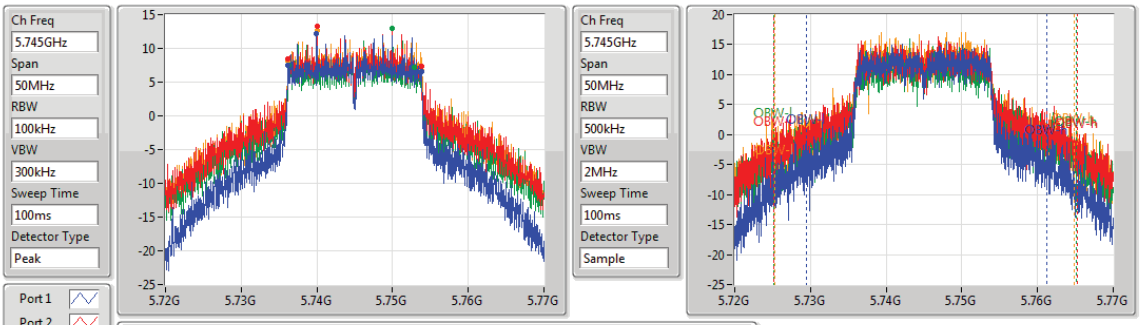


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.2292G	5.25095G	17.741M	5.231129G	5.248871G	Inf	1
21.475M	5.229225G	5.2507G	17.766M	5.231104G	5.248871G	Inf	2
21.6M	5.2292G	5.2508G	17.716M	5.231154G	5.248871G	Inf	3
21.65M	5.22925G	5.2509G	17.716M	5.231154G	5.248871G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5745MHz

15/08/2018

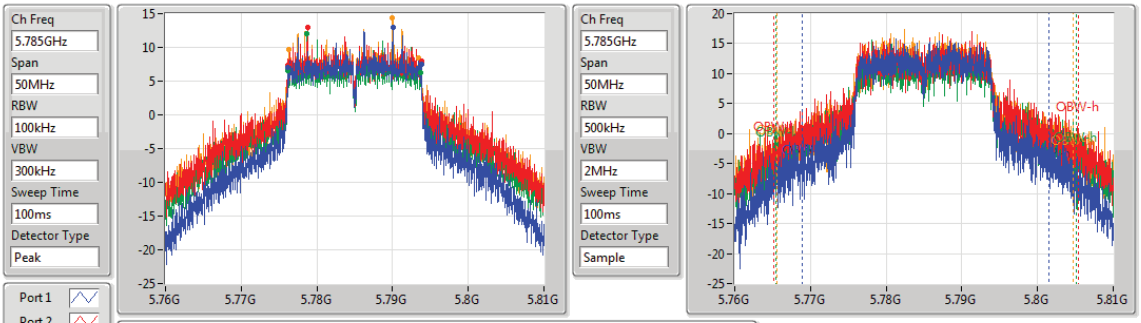


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.736225G	5.7538G	31.634M	5.729533G	5.761167G	500k	1
17.55M	5.736225G	5.753775G	40.13M	5.72511G	5.76524G	500k	2
16.55M	5.736275G	5.752825G	39.93M	5.725135G	5.765065G	500k	3
17.6M	5.7362G	5.7538G	39.68M	5.725235G	5.764915G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5785MHz

15/08/2018

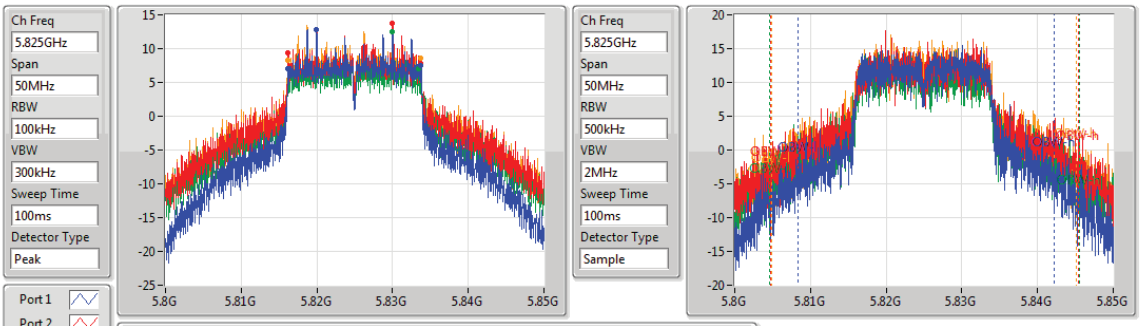


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.776225G	5.7938G	32.609M	5.768958G	5.801567G	500k	1
17.575M	5.7762G	5.793775G	40.13M	5.76521G	5.80534G	500k	2
17.475M	5.776225G	5.7937G	39.705M	5.76546G	5.805165G	500k	3
17.1M	5.776275G	5.793375G	39.13M	5.76561G	5.80474G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5825MHz

15/08/2018

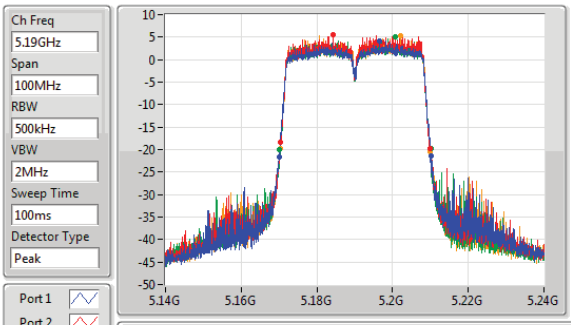


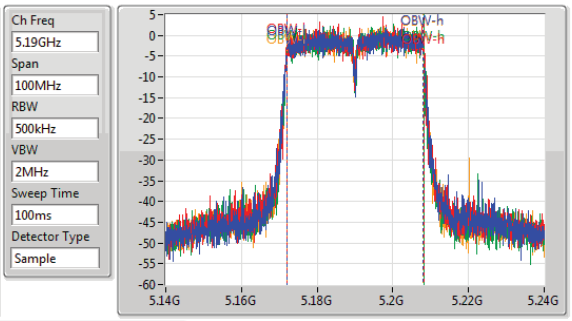
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.8162G	5.83375G	33.783M	5.808358G	5.842141G	500k	1
17.525M	5.816225G	5.83375G	40.705M	5.804685G	5.84539G	500k	2
17.225M	5.8162G	5.833425G	40.98M	5.80456G	5.84554G	500k	3
17.55M	5.8162G	5.83375G	40.33M	5.80481G	5.84514G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5190MHz

15/08/2018



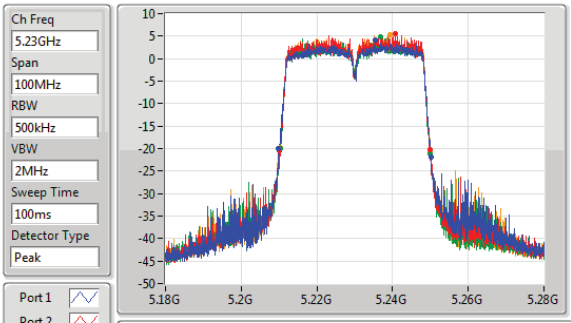


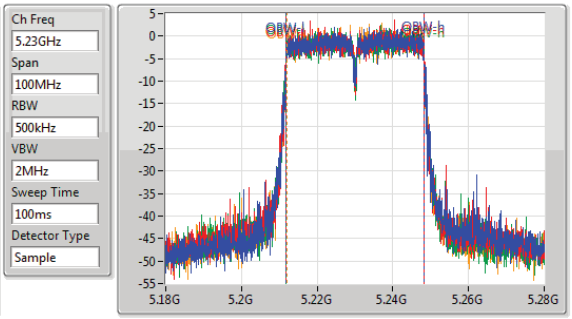
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	5.17G	5.21015G	36.132M	5.171959G	5.208091G	Inf	1
39.6M	5.17025G	5.20985G	36.332M	5.171909G	5.208241G	Inf	2
39.9M	5.1702G	5.2101G	36.232M	5.171909G	5.208141G	Inf	3
39.6M	5.1703G	5.2099G	36.182M	5.171909G	5.208091G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5230MHz

15/08/2018



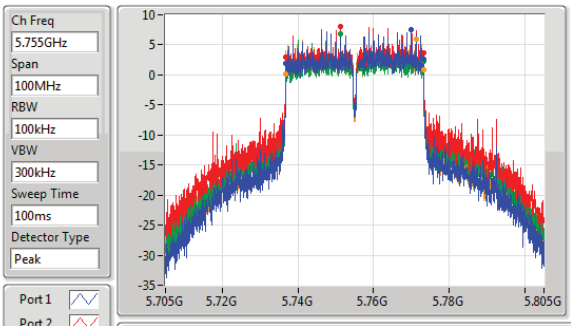


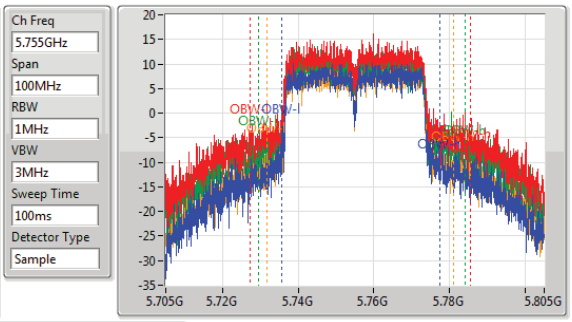
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.2099G	5.2501G	36.282M	5.211859G	5.248141G	Inf	1
39.85M	5.2101G	5.24995G	36.282M	5.211859G	5.248141G	Inf	2
39.7M	5.21025G	5.24995G	36.282M	5.211859G	5.248141G	Inf	3
39.8M	5.21025G	5.25005G	36.182M	5.211959G	5.248141G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5755MHz

15/08/2018



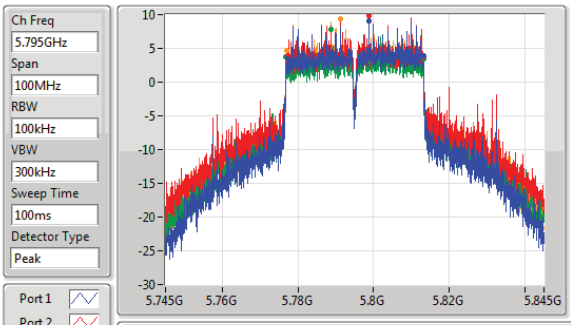


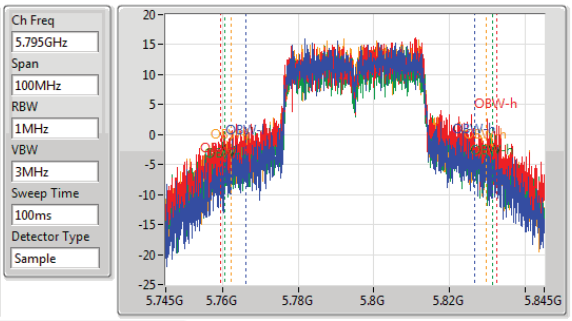
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.73685G	5.77315G	41.679M	5.73561G	5.777289G	500k	1
36.3M	5.73685G	5.77315G	58.221M	5.727314G	5.785535G	500k	2
36.3M	5.73685G	5.77315G	54.723M	5.729513G	5.784235G	500k	3
36.4M	5.7368G	5.7732G	49.175M	5.731812G	5.780987G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5795MHz

15/08/2018



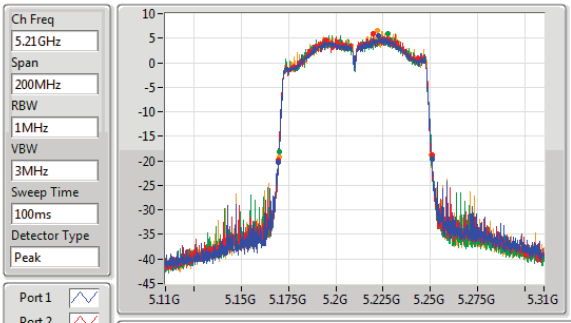


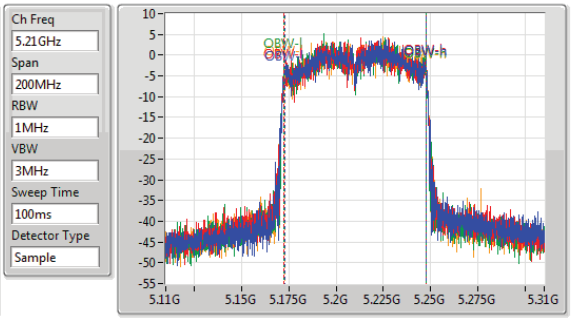
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.95M	5.7772G	5.81315G	60.52M	5.766214G	5.826734G	500k	1
35.9M	5.77725G	5.81315G	72.964M	5.759568G	5.832531G	500k	2
36.3M	5.77685G	5.81315G	70.715M	5.760517G	5.831232G	500k	3
36.25M	5.7769G	5.81315G	67.266M	5.762366G	5.829633G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5210MHz

15/08/2018



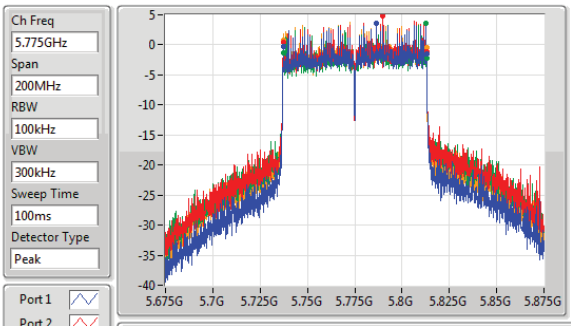


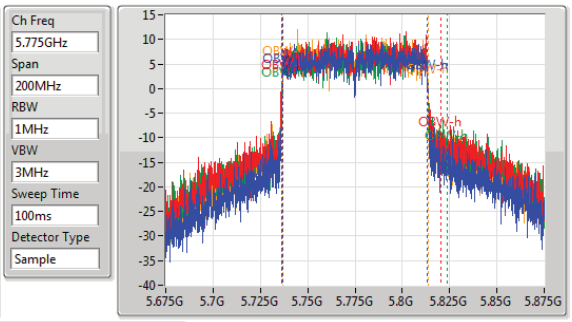
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.5M	5.1696G	5.2511G	74.863M	5.172719G	5.247581G	Inf	1
81.2M	5.1696G	5.2508G	74.963M	5.172619G	5.247581G	Inf	2
80.8M	5.1699G	5.2507G	74.863M	5.172619G	5.247481G	Inf	3
80.5M	5.17G	5.2505G	74.963M	5.172719G	5.247681G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5775MHz

15/08/2018





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.8M	5.7374G	5.8132G	76.462M	5.736919G	5.813381G	500k	1
75.7M	5.7374G	5.8131G	83.858M	5.736519G	5.820377G	500k	2
75.6M	5.7376G	5.8132G	87.356M	5.736119G	5.823476G	500k	3
75.5M	5.7374G	5.8129G	76.962M	5.736719G	5.813681G	500k	4

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)_4TX	21.725M	16.617M	16M6D1D	21.35M	16.517M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.825M	17.816M	17M8D1D	21.325M	17.691M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.45M	36.282M	36M3D1D	39.75M	36.232M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.3M	75.162M	75M2D1D	80.6M	74.963M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.35M	16.717M	16M7D1D	16.325M	16.567M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.6M	17.941M	17M9D1D	17.55M	17.766M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.35M	36.482M	36M5D1D	35.95M	36.282M
802.11ac VHT80_Nss1,(MCS0)_4TX	76M	75.962M	76M0D1D	75.7M	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

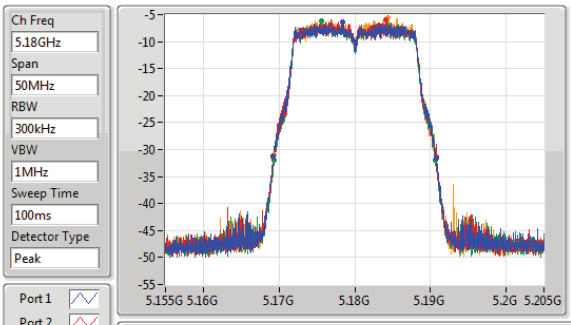
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.625M	16.617M	21.55M	16.567M	21.375M	16.592M	21.375M	16.617M
5200MHz	Pass	Inf	21.6M	16.617M	21.425M	16.567M	21.35M	16.592M	21.425M	16.517M
5240MHz	Pass	Inf	21.725M	16.617M	21.475M	16.567M	21.675M	16.542M	21.475M	16.567M
5745MHz	Pass	500k	16.35M	16.617M	16.35M	16.642M	16.35M	16.617M	16.35M	16.617M
5785MHz	Pass	500k	16.35M	16.592M	16.35M	16.642M	16.325M	16.717M	16.35M	16.617M
5825MHz	Pass	500k	16.325M	16.567M	16.325M	16.717M	16.325M	16.692M	16.35M	16.642M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.825M	17.791M	21.325M	17.741M	21.55M	17.716M	21.625M	17.716M
5200MHz	Pass	Inf	21.65M	17.766M	21.5M	17.816M	21.4M	17.741M	21.55M	17.716M
5240MHz	Pass	Inf	21.775M	17.766M	21.55M	17.741M	21.55M	17.741M	21.6M	17.691M
5745MHz	Pass	500k	17.6M	17.816M	17.6M	17.841M	17.575M	17.816M	17.55M	17.766M
5785MHz	Pass	500k	17.6M	17.766M	17.575M	17.841M	17.575M	17.866M	17.575M	17.816M
5825MHz	Pass	500k	17.575M	17.791M	17.6M	17.866M	17.575M	17.941M	17.575M	17.791M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.45M	36.232M	40M	36.232M	40.05M	36.232M	39.9M	36.282M
5230MHz	Pass	Inf	40.15M	36.282M	39.75M	36.232M	39.9M	36.232M	40M	36.282M
5755MHz	Pass	500k	36.05M	36.332M	36.3M	36.482M	36.35M	36.332M	36.3M	36.382M
5795MHz	Pass	500k	35.95M	36.282M	36.3M	36.432M	36.3M	36.432M	36.3M	36.332M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.3M	74.963M	81.1M	75.062M	80.6M	75.162M	80.9M	75.062M
5775MHz	Pass	500k	75.7M	75.862M	76M	75.962M	75.7M	75.762M	75.7M	75.862M

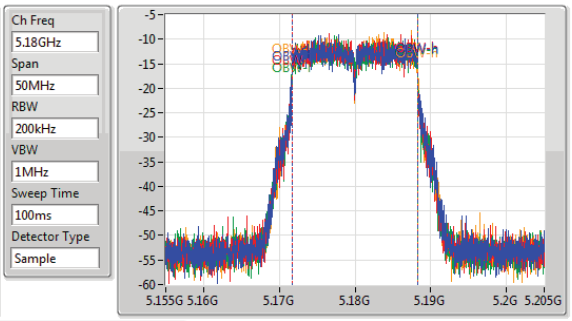
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

15/08/2018



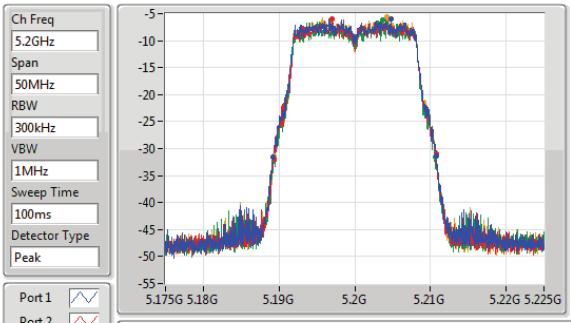


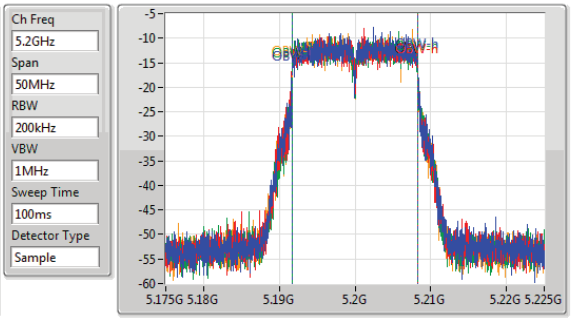
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.625M	5.1692G	5.190825G	16.617M	5.171679G	5.188296G	Inf	1
21.55M	5.169225G	5.190775G	16.567M	5.171704G	5.188271G	Inf	2
21.375M	5.169325G	5.1907G	16.592M	5.171679G	5.188271G	Inf	3
21.375M	5.16935G	5.190725G	16.617M	5.171704G	5.188321G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

15/08/2018



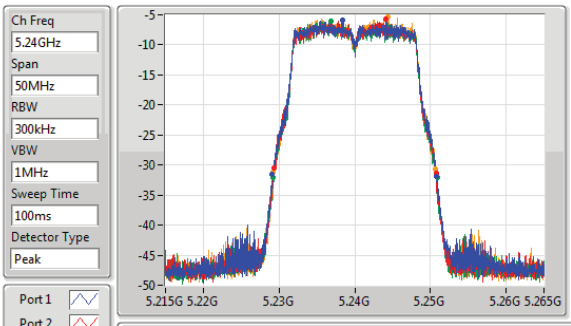


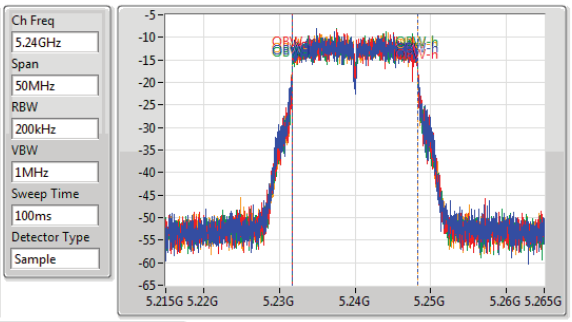
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.189175G	5.210775G	16.617M	5.191704G	5.208321G	Inf	1
21.425M	5.1893G	5.210725G	16.567M	5.191704G	5.208271G	Inf	2
21.35M	5.18935G	5.2107G	16.592M	5.191704G	5.208296G	Inf	3
21.425M	5.1893G	5.210725G	16.517M	5.191754G	5.208271G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

15/08/2018



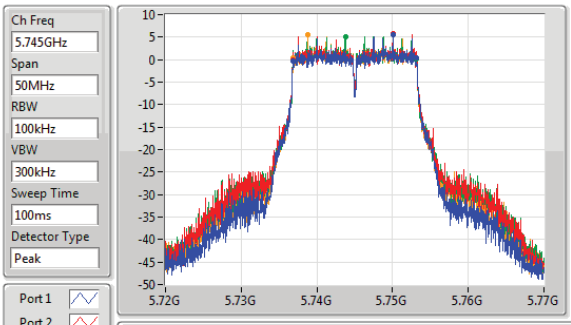


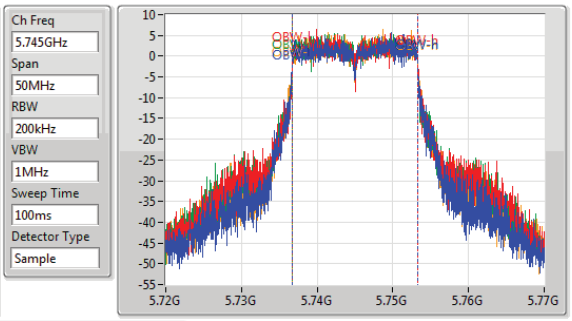
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.229125G	5.25085G	16.617M	5.231704G	5.248321G	Inf	1
21.475M	5.2293G	5.250775G	16.567M	5.231729G	5.248296G	Inf	2
21.675M	5.229225G	5.2509G	16.542M	5.231729G	5.248271G	Inf	3
21.475M	5.229225G	5.2507G	16.567M	5.231704G	5.248271G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

15/08/2018



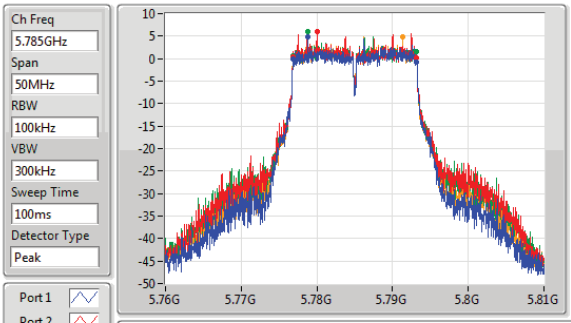


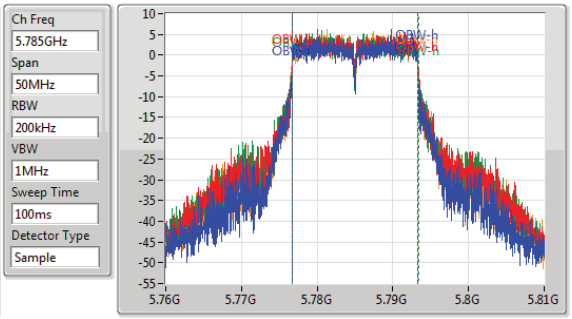
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.73685G	5.7532G	16.617M	5.736704G	5.753321G	500k	1
16.35M	5.73685G	5.7532G	16.642M	5.736704G	5.753346G	500k	2
16.35M	5.73685G	5.7532G	16.617M	5.736704G	5.753321G	500k	3
16.35M	5.73685G	5.7532G	16.617M	5.736704G	5.753321G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

15/08/2018



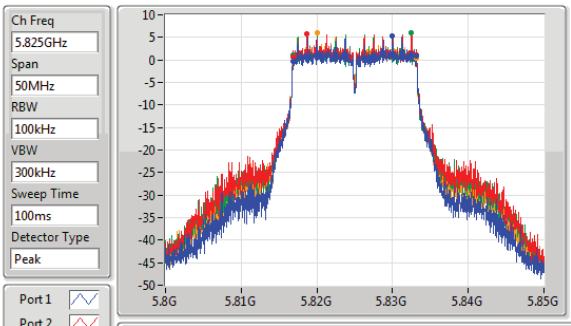


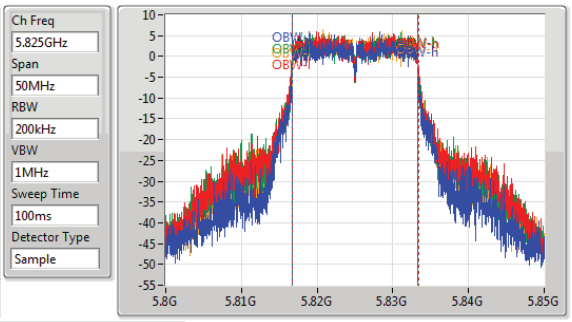
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.77685G	5.7932G	16.592M	5.776704G	5.793296G	500k	1
16.35M	5.77685G	5.7932G	16.642M	5.776704G	5.793346G	500k	2
16.325M	5.77685G	5.793175G	16.717M	5.776654G	5.793371G	500k	3
16.35M	5.77685G	5.7932G	16.617M	5.776704G	5.793321G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

15/08/2018



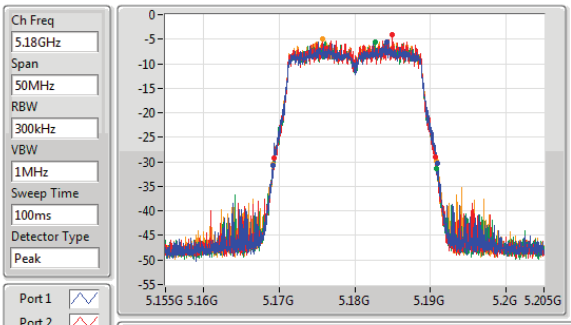


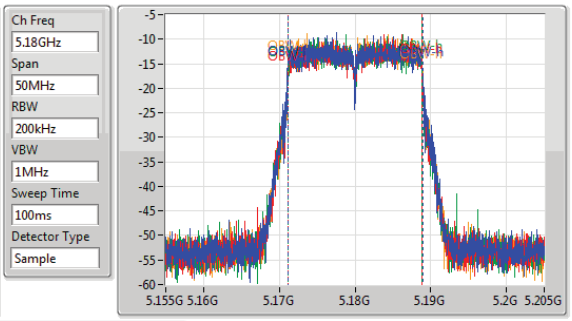
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.81685G	5.833175G	16.567M	5.816729G	5.833296G	500k	1
16.325M	5.81685G	5.833175G	16.717M	5.816654G	5.833371G	500k	2
16.325M	5.81685G	5.833175G	16.692M	5.816654G	5.833346G	500k	3
16.35M	5.81685G	5.8332G	16.642M	5.816679G	5.833321G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5180MHz

15/08/2018



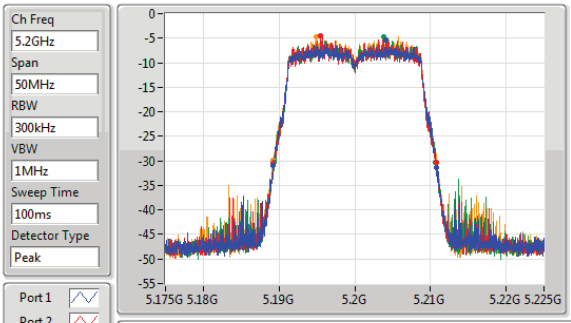


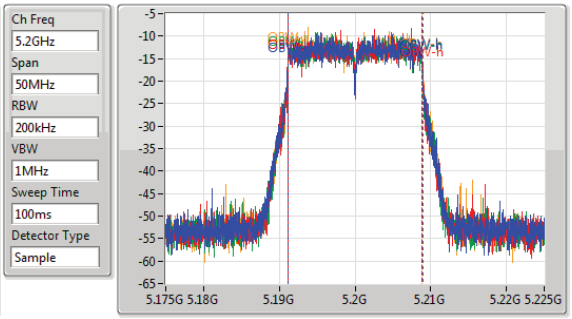
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.825M	5.169175G	5.191G	17.791M	5.171129G	5.188921G	Inf	1
21.325M	5.169325G	5.19065G	17.741M	5.171129G	5.188871G	Inf	2
21.55M	5.169225G	5.190775G	17.716M	5.171129G	5.188846G	Inf	3
21.625M	5.169225G	5.19085G	17.716M	5.171154G	5.188871G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5200MHz

15/08/2018



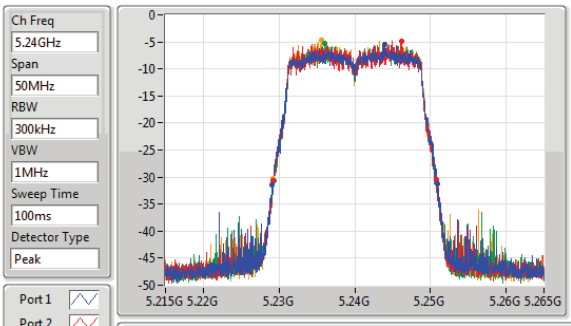


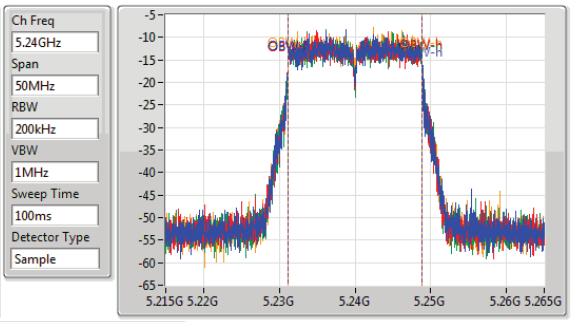
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.65M	5.1892G	5.21085G	17.766M	5.191104G	5.208871G	Inf	1
21.5M	5.189275G	5.210775G	17.816M	5.191104G	5.208921G	Inf	2
21.4M	5.1893G	5.2107G	17.741M	5.191129G	5.208871G	Inf	3
21.55M	5.1892G	5.21075G	17.716M	5.191154G	5.208871G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5240MHz

15/08/2018



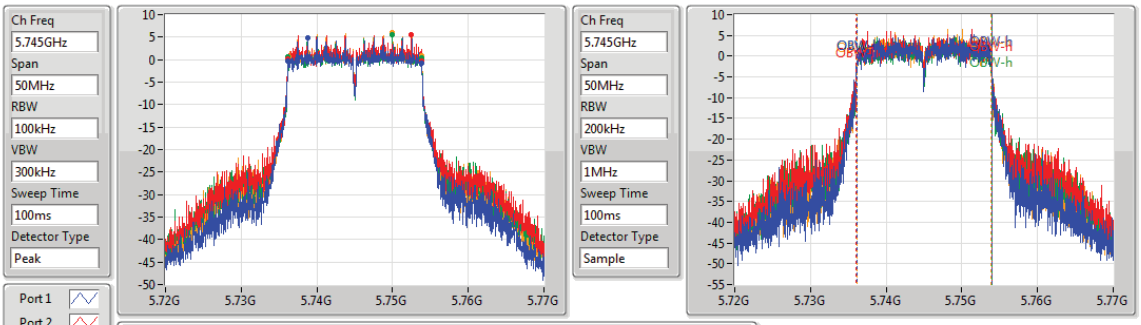


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.775M	5.229125G	5.2509G	17.766M	5.231129G	5.248896G	Inf	1
21.55M	5.2292G	5.25075G	17.741M	5.231129G	5.248871G	Inf	2
21.55M	5.2293G	5.25085G	17.741M	5.231129G	5.248871G	Inf	3
21.6M	5.2292G	5.2508G	17.691M	5.231154G	5.248846G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5745MHz

15/08/2018

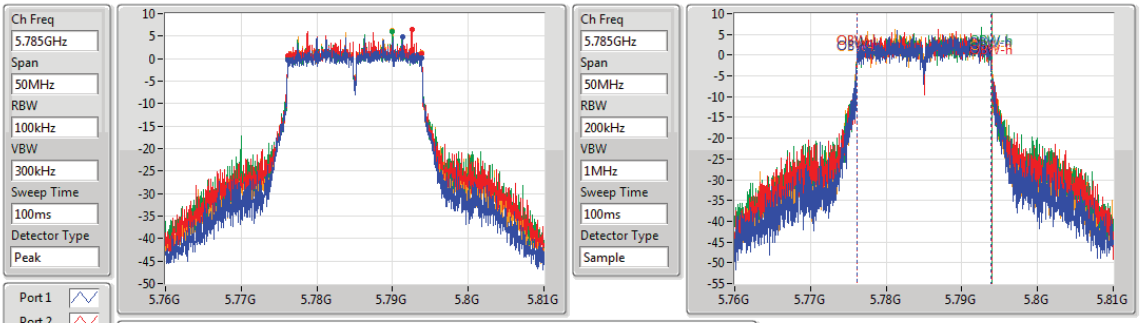


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.736225G	5.753825G	17.816M	5.736104G	5.753921G	500k	1
17.6M	5.736225G	5.753825G	17.841M	5.736079G	5.753921G	500k	2
17.575M	5.736225G	5.7538G	17.816M	5.736129G	5.753946G	500k	3
17.55M	5.73625G	5.7538G	17.766M	5.736129G	5.753896G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5785MHz

15/08/2018

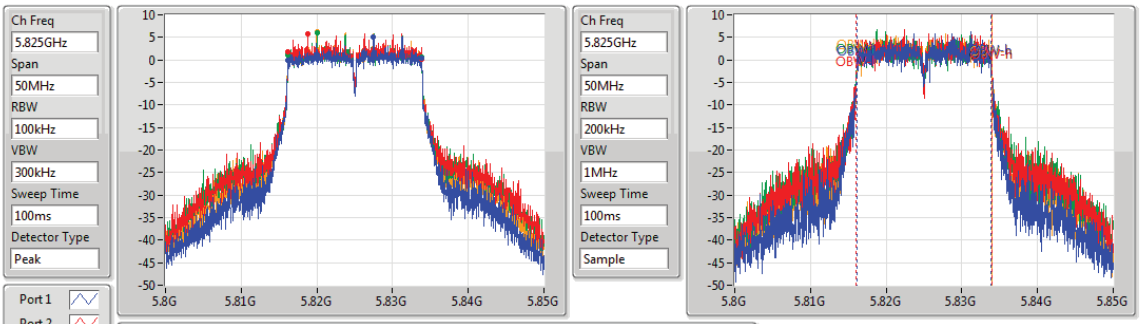


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.7762G	5.7938G	17.766M	5.776129G	5.793896G	500k	1
17.575M	5.776225G	5.7938G	17.841M	5.776104G	5.793946G	500k	2
17.575M	5.776225G	5.7938G	17.866M	5.776104G	5.793971G	500k	3
17.575M	5.776225G	5.7938G	17.816M	5.776104G	5.793921G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5825MHz

15/08/2018

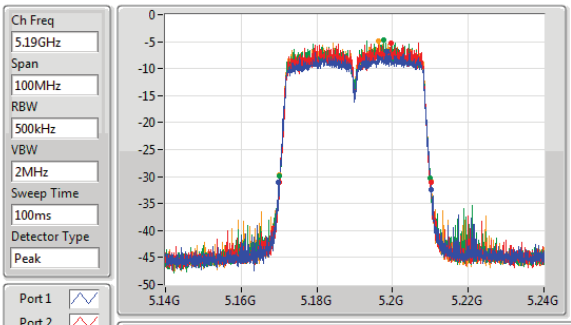


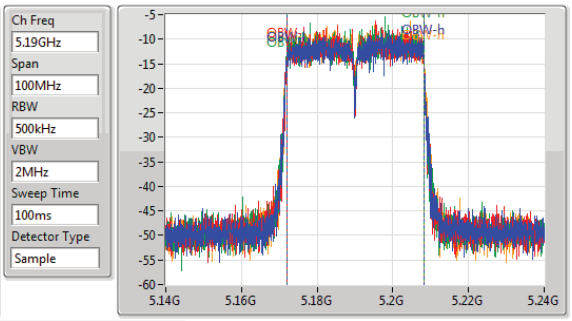
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.816225G	5.8338G	17.791M	5.816104G	5.833896G	500k	1
17.6M	5.816225G	5.833825G	17.866M	5.816079G	5.833946G	500k	2
17.575M	5.816225G	5.8338G	17.941M	5.816054G	5.833996G	500k	3
17.575M	5.816225G	5.8338G	17.791M	5.816129G	5.833921G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5190MHz

15/08/2018



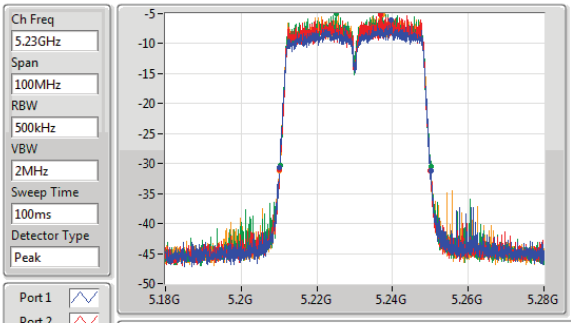


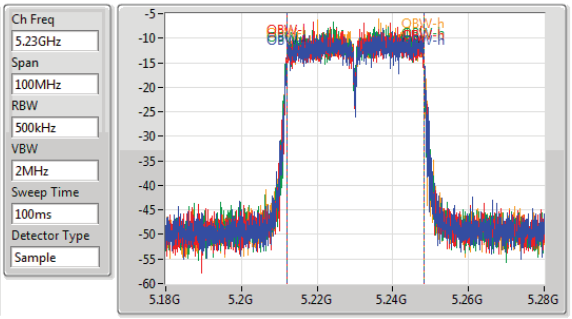
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.45M	5.16985G	5.2103G	36.232M	5.171909G	5.208141G	Inf	1
40M	5.1702G	5.2102G	36.232M	5.171909G	5.208141G	Inf	2
40.05M	5.16995G	5.21G	36.232M	5.171909G	5.208141G	Inf	3
39.9M	5.1702G	5.2101G	36.282M	5.171909G	5.208191G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5230MHz

15/08/2018



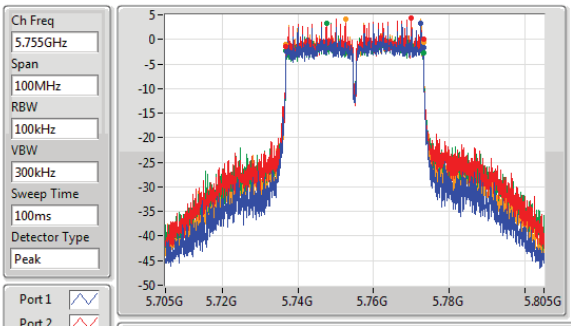


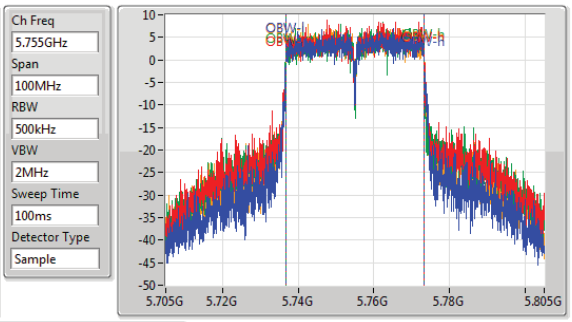
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	5.21005G	5.2502G	36.282M	5.211909G	5.248191G	Inf	1
39.75M	5.21015G	5.2499G	36.232M	5.211909G	5.248141G	Inf	2
39.9M	5.21025G	5.25015G	36.232M	5.211909G	5.248141G	Inf	3
40M	5.2101G	5.2501G	36.282M	5.211909G	5.248191G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5755MHz

15/08/2018



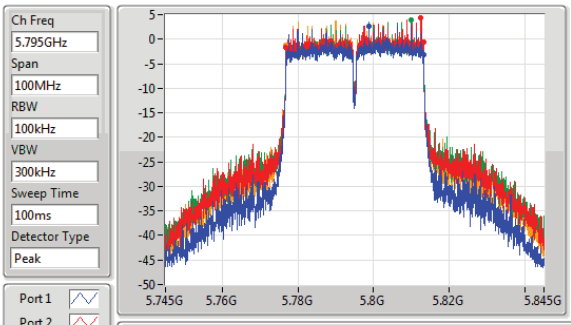


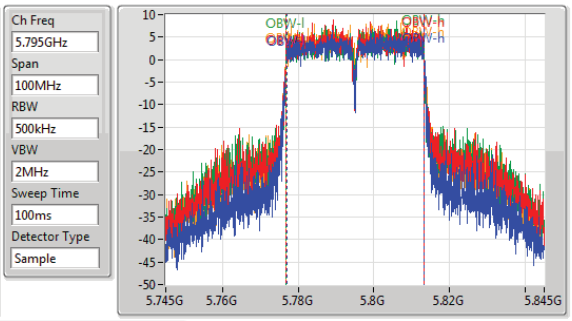
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	5.7371G	5.77315G	36.332M	5.736859G	5.773191G	500k	1
36.3M	5.73685G	5.77315G	36.482M	5.736759G	5.773241G	500k	2
36.35M	5.73685G	5.7732G	36.332M	5.736809G	5.773141G	500k	3
36.3M	5.73685G	5.77315G	36.382M	5.736809G	5.773191G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5795MHz

15/08/2018



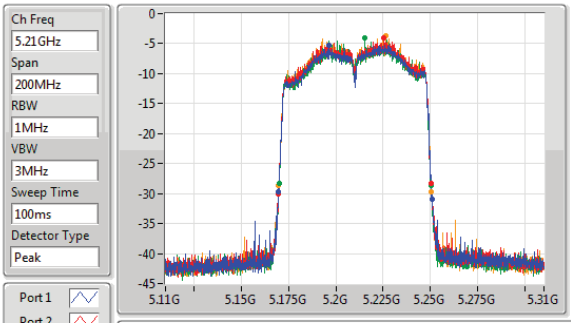


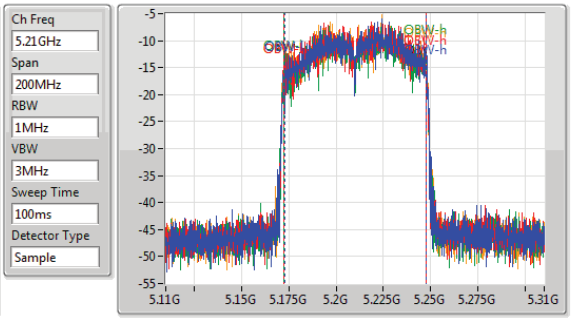
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.95M	5.77725G	5.8132G	36.282M	5.776909G	5.813191G	500k	1
36.3M	5.77685G	5.81315G	36.432M	5.776809G	5.813241G	500k	2
36.3M	5.77685G	5.81315G	36.432M	5.776759G	5.813191G	500k	3
36.3M	5.77685G	5.81315G	36.332M	5.776859G	5.813191G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5210MHz

15/08/2018



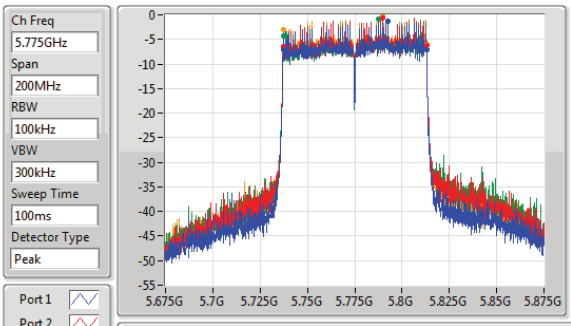


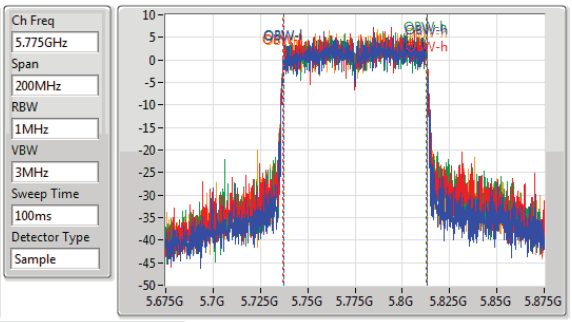
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.3M	5.1697G	5.251G	74.963M	5.172719G	5.247681G	Inf	1
81.1M	5.1694G	5.2505G	75.062M	5.172619G	5.247681G	Inf	2
80.6M	5.17G	5.2506G	75.162M	5.172519G	5.247681G	Inf	3
80.9M	5.1697G	5.2506G	75.062M	5.172619G	5.247681G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5775MHz

15/08/2018





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.7M	5.7374G	5.8131G	75.862M	5.737119G	5.812981G	500k	1
76M	5.7372G	5.8132G	75.962M	5.737019G	5.812981G	500k	2
75.7M	5.7375G	5.8132G	75.762M	5.737119G	5.812881G	500k	3
75.7M	5.7375G	5.8132G	75.862M	5.737119G	5.812981G	500k	4

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)_4TX	21.65M	16.642M	16M6D1D	21.3M	16.542M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.925M	17.766M	17M8D1D	21.275M	17.716M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.1M	36.282M	36M3D1D	39.6M	36.182M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.4M	74.963M	75M0D1D	80.5M	74.663M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.35M	17.791M	17M8D1D	16.025M	16.817M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.6M	18.741M	18M7D1D	16.9M	17.891M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.35M	36.732M	36M7D1D	35.65M	36.332M
802.11ac VHT80_Nss1,(MCS0)_4TX	76.3M	75.862M	75M9D1D	75.3M	75.662M

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

Result

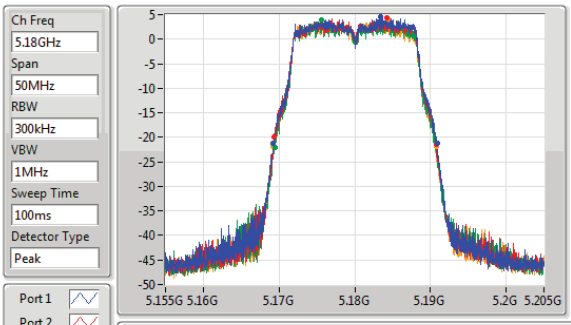
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.625M	16.642M	21.5M	16.592M	21.3M	16.567M	21.45M	16.542M
5200MHz	Pass	Inf	21.475M	16.592M	21.45M	16.567M	21.35M	16.567M	21.375M	16.592M
5240MHz	Pass	Inf	21.625M	16.617M	21.65M	16.617M	21.4M	16.542M	21.45M	16.567M
5745MHz	Pass	500k	16.325M	17.066M	16.35M	16.817M	16.35M	17.416M	16.35M	17.316M
5785MHz	Pass	500k	16.075M	17.091M	16.325M	16.892M	16.35M	17.791M	16.35M	17.266M
5825MHz	Pass	500k	16.025M	16.842M	16.325M	16.967M	16.325M	17.266M	16.325M	17.066M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.925M	17.766M	21.675M	17.716M	21.575M	17.741M	21.5M	17.766M
5200MHz	Pass	Inf	21.825M	17.716M	21.525M	17.741M	21.4M	17.766M	21.275M	17.716M
5240MHz	Pass	Inf	21.7M	17.716M	21.5M	17.741M	21.475M	17.741M	21.5M	17.741M
5745MHz	Pass	500k	16.9M	18.091M	17.6M	17.891M	17.575M	18.316M	17.575M	18.191M
5785MHz	Pass	500k	17.55M	17.991M	17.575M	17.991M	17.575M	18.741M	17.525M	18.166M
5825MHz	Pass	500k	17.5M	18.016M	17.55M	18.016M	17.55M	18.466M	17.575M	18.141M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.05M	36.282M	39.6M	36.232M	39.85M	36.232M	39.9M	36.282M
5230MHz	Pass	Inf	40.1M	36.282M	39.85M	36.182M	39.65M	36.232M	39.6M	36.282M
5755MHz	Pass	500k	35.65M	36.432M	36.3M	36.332M	35.9M	36.382M	36.35M	36.482M
5795MHz	Pass	500k	36.1M	36.632M	36.05M	36.732M	36.3M	36.632M	36.3M	36.682M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.4M	74.663M	80.8M	74.863M	80.8M	74.963M	80.5M	74.963M
5775MHz	Pass	500k	75.3M	75.762M	75.8M	75.662M	75.3M	75.862M	76.3M	75.862M

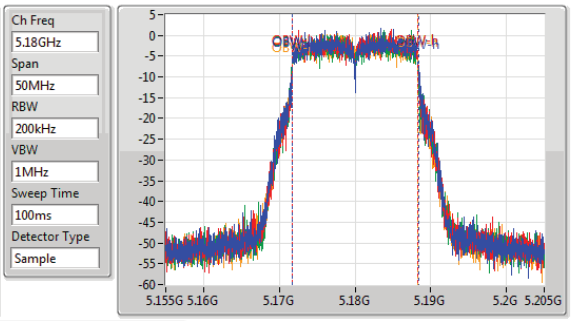
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

15/08/2018



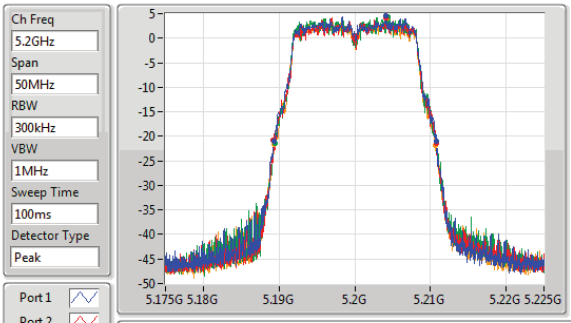


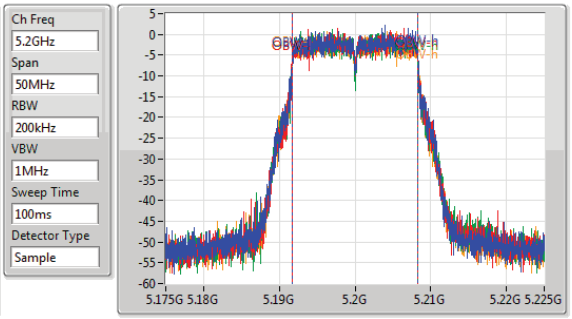
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.625M	5.16925G	5.190875G	16.642M	5.171729G	5.188371G	Inf	1
21.5M	5.169325G	5.190825G	16.592M	5.171754G	5.188346G	Inf	2
21.3M	5.169425G	5.190725G	16.567M	5.171754G	5.188321G	Inf	3
21.45M	5.169275G	5.190725G	16.542M	5.171729G	5.188271G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

15/08/2018



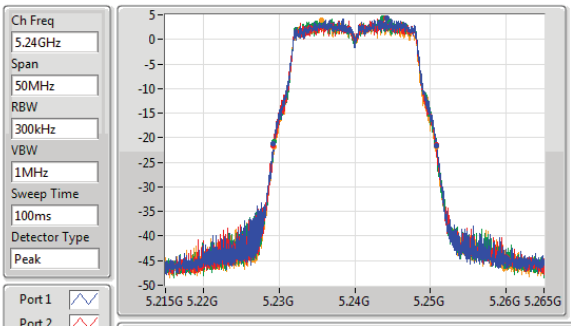


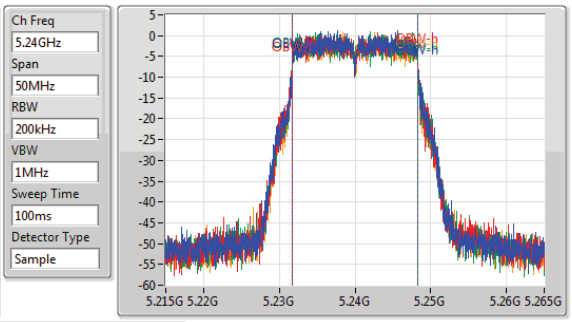
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.475M	5.18935G	5.210825G	16.592M	5.191729G	5.208321G	Inf	1
21.45M	5.189275G	5.210725G	16.567M	5.191754G	5.208321G	Inf	2
21.35M	5.189425G	5.210775G	16.567M	5.191754G	5.208321G	Inf	3
21.375M	5.189325G	5.2107G	16.592M	5.191754G	5.208346G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

15/08/2018



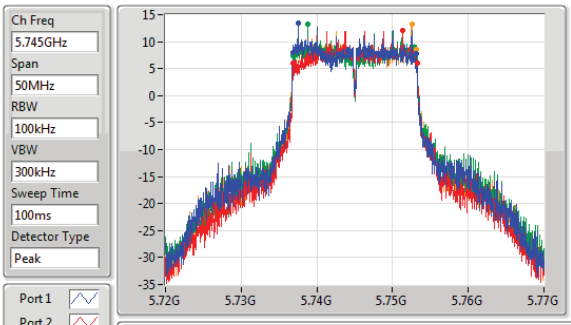


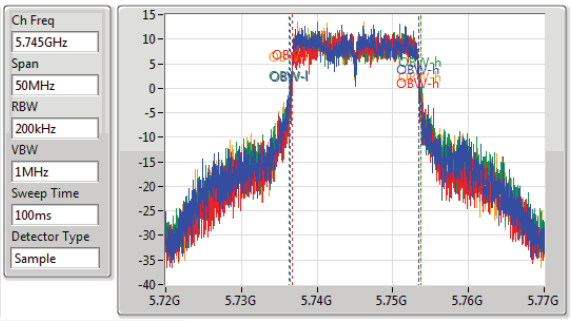
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.625M	5.229225G	5.25085G	16.617M	5.231729G	5.248346G	Inf	1
21.65M	5.22915G	5.2508G	16.617M	5.231704G	5.248321G	Inf	2
21.4M	5.229375G	5.250775G	16.542M	5.231754G	5.248296G	Inf	3
21.45M	5.2293G	5.25075G	16.567M	5.231729G	5.248296G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

15/08/2018



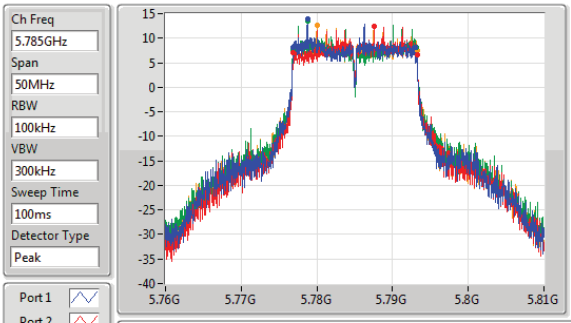


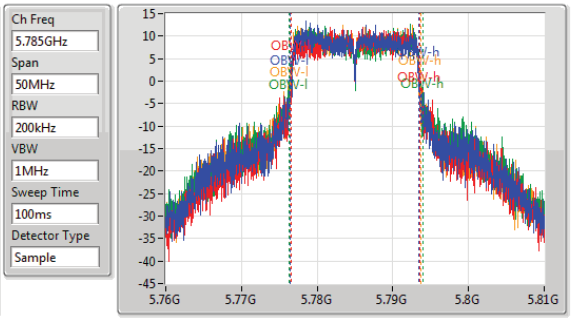
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.73685G	5.753175G	17.066M	5.736429G	5.753496G	500k	1
16.35M	5.736875G	5.753225G	16.817M	5.736679G	5.753496G	500k	2
16.35M	5.73685G	5.7532G	17.416M	5.736354G	5.753771G	500k	3
16.35M	5.73685G	5.7532G	17.316M	5.736329G	5.753646G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

15/08/2018



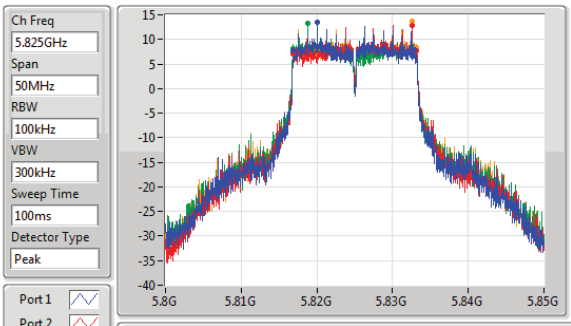


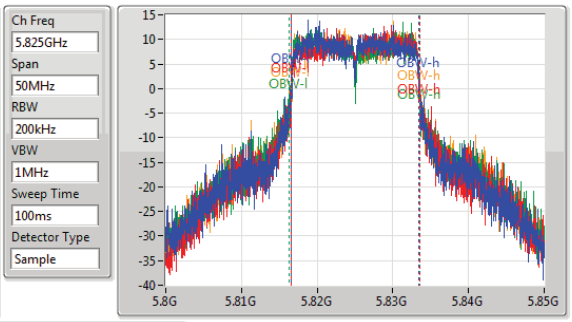
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.075M	5.776875G	5.79295G	17.091M	5.776404G	5.793496G	500k	1
16.325M	5.7769G	5.793225G	16.892M	5.776629G	5.793521G	500k	2
16.35M	5.77685G	5.7932G	17.791M	5.776229G	5.79402G	500k	3
16.35M	5.776875G	5.793225G	17.266M	5.776404G	5.793671G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

15/08/2018



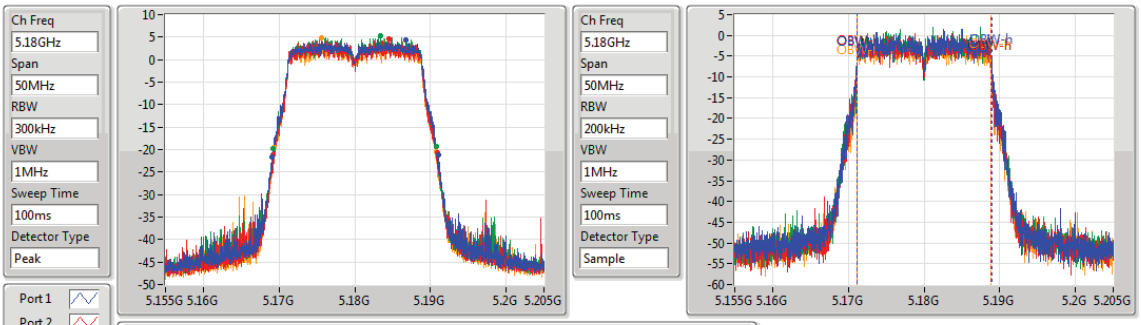


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.025M	5.8169G	5.832925G	16.842M	5.816604G	5.833446G	500k	1
16.325M	5.816875G	5.8332G	16.967M	5.816554G	5.833521G	500k	2
16.325M	5.816875G	5.8332G	17.266M	5.816279G	5.833546G	500k	3
16.325M	5.816875G	5.8332G	17.066M	5.816529G	5.833596G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5180MHz

15/08/2018

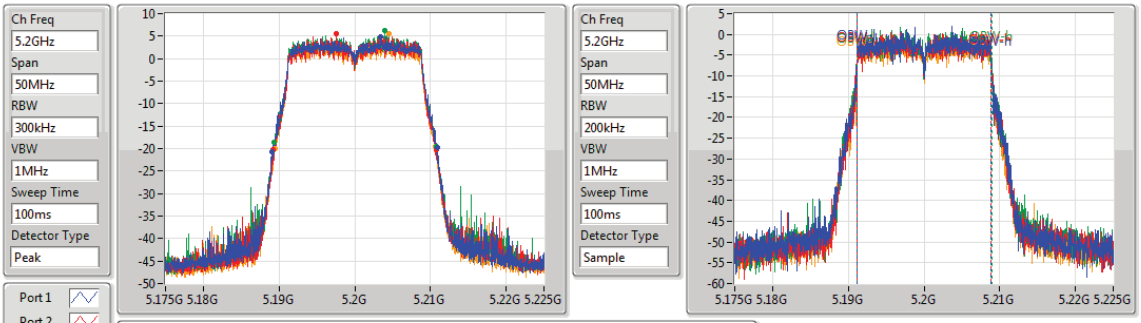


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.925M	5.1691G	5.191025G	17.766M	5.171154G	5.188921G	Inf	1
21.675M	5.16925G	5.190925G	17.716M	5.171179G	5.188896G	Inf	2
21.575M	5.169275G	5.19085G	17.741M	5.171154G	5.188896G	Inf	3
21.5M	5.1693G	5.1908G	17.766M	5.171104G	5.188871G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5200MHz

15/08/2018

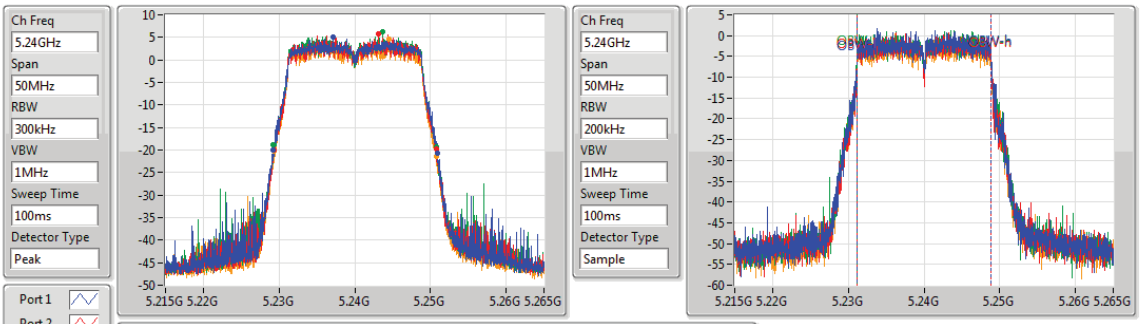


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.825M	5.189125G	5.21095G	17.716M	5.191179G	5.208896G	Inf	1
21.525M	5.189275G	5.2108G	17.741M	5.191154G	5.208896G	Inf	2
21.4M	5.189325G	5.210725G	17.766M	5.191154G	5.208921G	Inf	3
21.275M	5.189425G	5.2107G	17.716M	5.191154G	5.208871G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5240MHz

15/08/2018

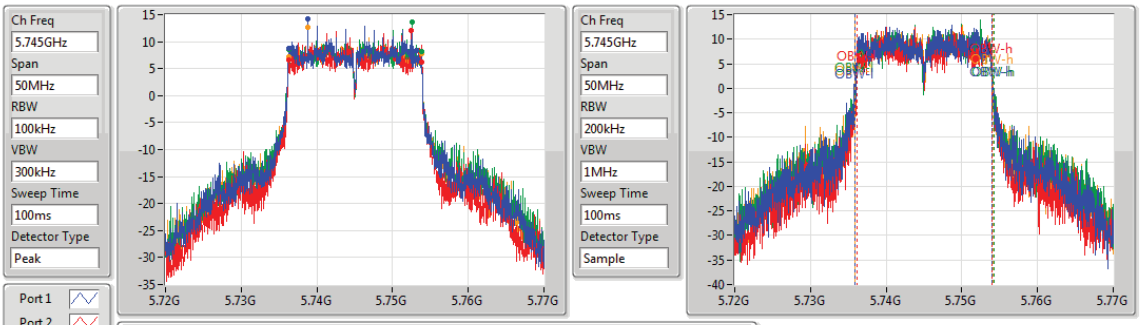


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.7M	5.22925G	5.25095G	17.716M	5.231179G	5.248896G	Inf	1
21.5M	5.2293G	5.2508G	17.741M	5.231154G	5.248896G	Inf	2
21.475M	5.229275G	5.25075G	17.741M	5.231154G	5.248896G	Inf	3
21.5M	5.229325G	5.250825G	17.741M	5.231154G	5.248896G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5745MHz

15/08/2018

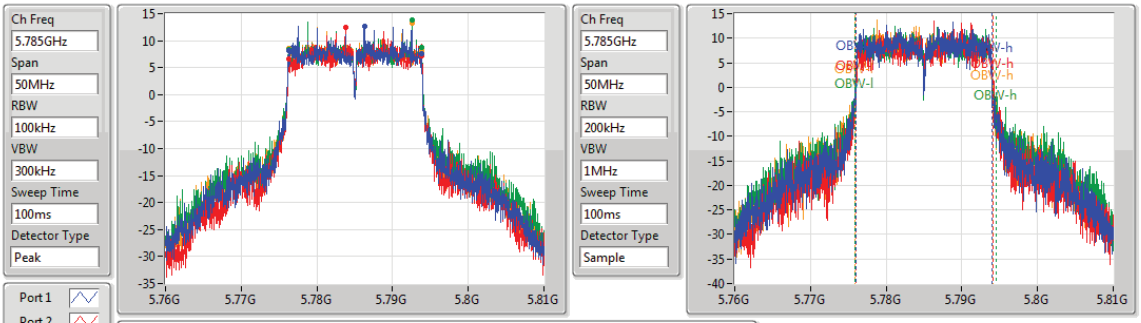


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.9M	5.736275G	5.753175G	18.091M	5.73593G	5.75402G	500k	1
17.6M	5.73625G	5.75385G	17.891M	5.736104G	5.753996G	500k	2
17.575M	5.73625G	5.753825G	18.316M	5.73588G	5.754195G	500k	3
17.575M	5.73625G	5.753825G	18.191M	5.735905G	5.754095G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5785MHz

15/08/2018

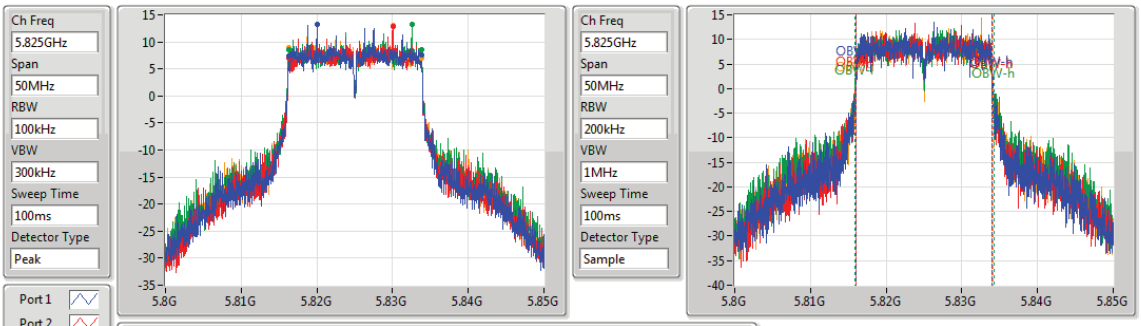


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.77625G	5.7938G	17.991M	5.776029G	5.79402G	500k	1
17.575M	5.77625G	5.793825G	17.991M	5.776079G	5.79407G	500k	2
17.575M	5.77625G	5.793825G	18.741M	5.77583G	5.79457G	500k	3
17.525M	5.776275G	5.7938G	18.166M	5.77593G	5.794095G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5825MHz

15/08/2018

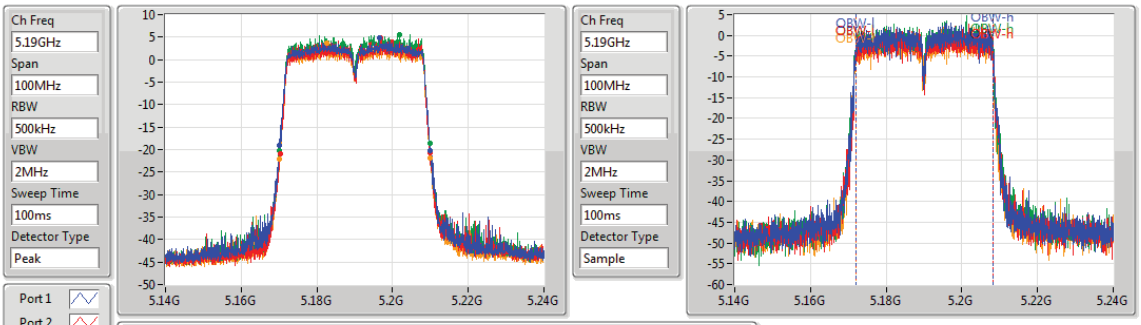


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.5M	5.816275G	5.833775G	18.016M	5.816004G	5.83402G	500k	1
17.55M	5.816275G	5.833825G	18.016M	5.816029G	5.834045G	500k	2
17.55M	5.816275G	5.833825G	18.466M	5.81583G	5.834295G	500k	3
17.575M	5.816275G	5.83385G	18.141M	5.815955G	5.834095G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5190MHz

15/08/2018

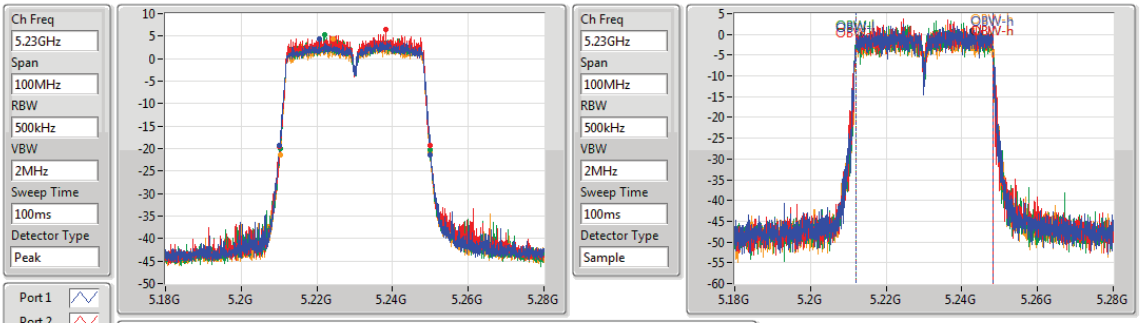


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.05M	5.17G	5.21005G	36.282M	5.171959G	5.208241G	Inf	1
39.6M	5.17025G	5.20985G	36.232M	5.171959G	5.208191G	Inf	2
39.85M	5.17015G	5.21G	36.232M	5.171909G	5.208141G	Inf	3
39.9M	5.17005G	5.20995G	36.282M	5.171909G	5.208191G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5230MHz

15/08/2018

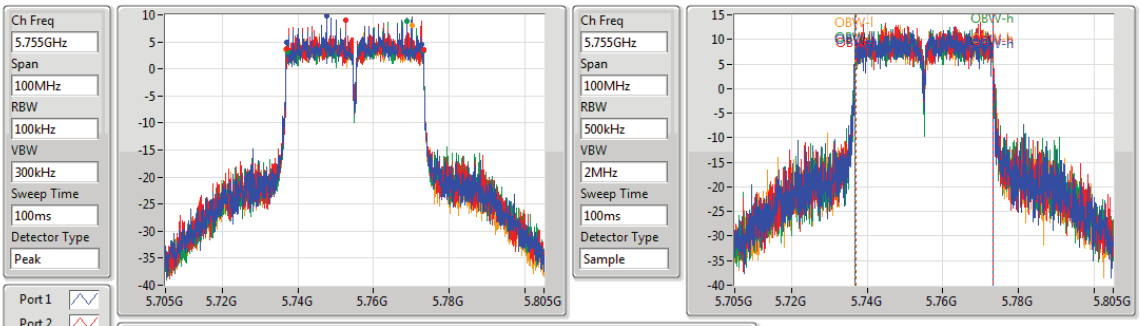


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.20995G	5.25005G	36.282M	5.211909G	5.248191G	Inf	1
39.85M	5.21015G	5.25G	36.182M	5.211959G	5.248141G	Inf	2
39.65M	5.2103G	5.24995G	36.232M	5.211909G	5.248141G	Inf	3
39.6M	5.21025G	5.24985G	36.282M	5.211909G	5.248191G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5755MHz

15/08/2018

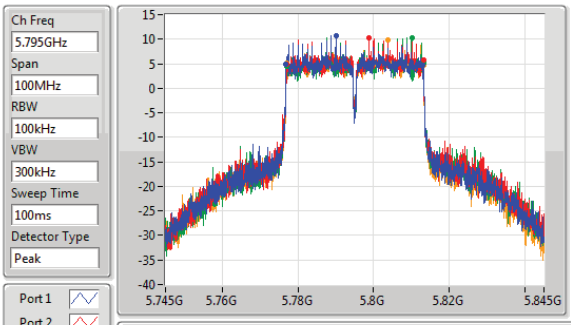


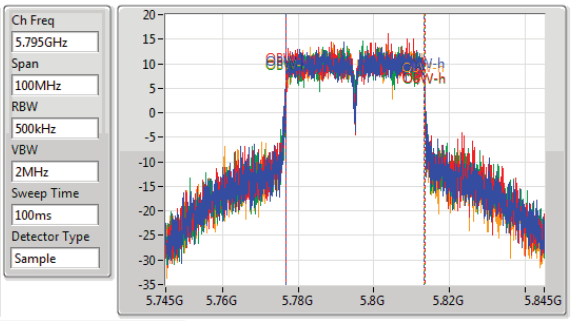
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.65M	5.7369G	5.77255G	36.432M	5.736759G	5.773191G	500k	1
36.3M	5.7369G	5.7732G	36.332M	5.736959G	5.773291G	500k	2
35.9M	5.7373G	5.7732G	36.382M	5.736859G	5.773241G	500k	3
36.35M	5.73685G	5.7732G	36.482M	5.736809G	5.773291G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5795MHz

15/08/2018



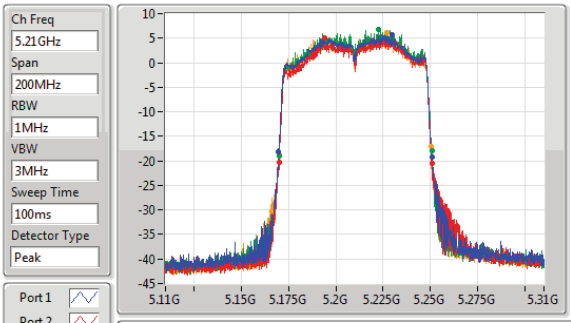


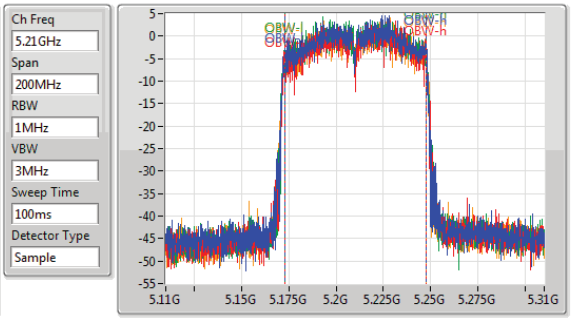
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.1M	5.77685G	5.81295G	36.632M	5.776709G	5.813341G	500k	1
36.05M	5.77715G	5.8132G	36.732M	5.776709G	5.813441G	500k	2
36.3M	5.7769G	5.8132G	36.632M	5.776759G	5.813391G	500k	3
36.3M	5.7769G	5.8132G	36.682M	5.776659G	5.813341G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5210MHz

15/08/2018



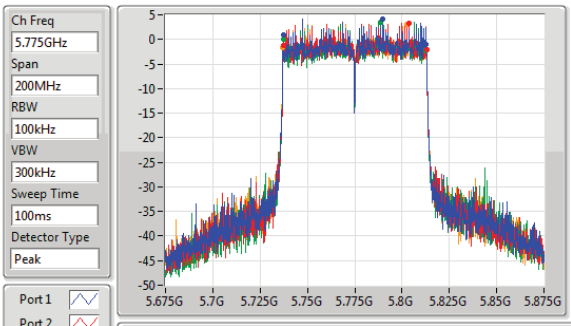


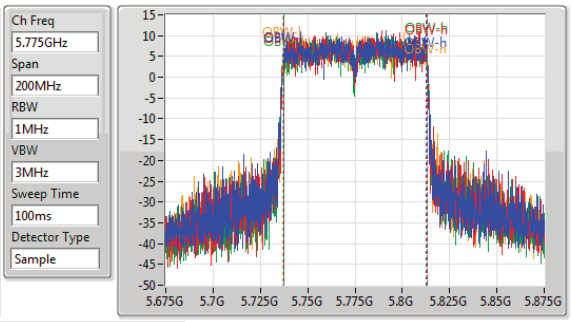
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.4M	5.1696G	5.251G	74.663M	5.172919G	5.247581G	Inf	1
80.8M	5.17G	5.2508G	74.863M	5.172919G	5.247781G	Inf	2
80.8M	5.1699G	5.2507G	74.963M	5.172719G	5.247681G	Inf	3
80.5M	5.17G	5.2505G	74.963M	5.172719G	5.247681G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5775MHz

15/08/2018





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.3M	5.7375G	5.8128G	75.762M	5.737119G	5.812881G	500k	1
75.8M	5.7374G	5.8132G	75.662M	5.737319G	5.812981G	500k	2
75.3M	5.7375G	5.8128G	75.862M	5.737119G	5.812981G	500k	3
76.3M	5.7369G	5.8132G	75.862M	5.737019G	5.812881G	500k	4

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)_4TX	21.6M	16.692M	16M7D1D	21.225M	16.567M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.95M	17.766M	17M8D1D	21.475M	17.741M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.45M	36.282M	36M3D1D	39.45M	36.182M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.6M	75.162M	75M2D1D	80.4M	74.963M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.35M	16.667M	16M7D1D	15.65M	16.492M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.675M	17.816M	17M8D1D	17.55M	17.716M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.35M	36.332M	36M3D1D	35.65M	36.182M
802.11ac VHT80_Nss1,(MCS0)_4TX	76.3M	75.862M	75M9D1D	74.8M	75.562M

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

Result

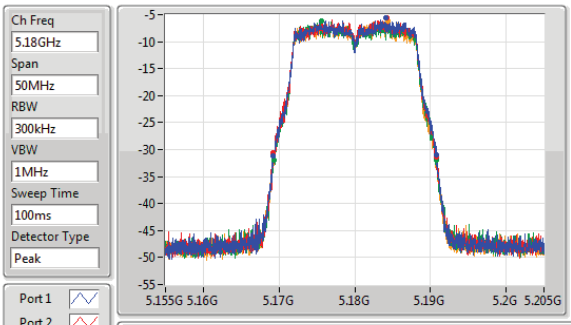
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	21.55M	16.692M	21.5M	16.617M	21.425M	16.567M	21.425M	16.567M
5200MHz_TnomVnom	Pass	Inf	21.3M	16.642M	21.5M	16.592M	21.375M	16.592M	21.225M	16.567M
5240MHz_TnomVnom	Pass	Inf	21.6M	16.592M	21.55M	16.642M	21.6M	16.617M	21.35M	16.592M
5745MHz_TnomVnom	Pass	500k	16.325M	16.617M	15.65M	16.492M	16.35M	16.617M	16.325M	16.642M
5785MHz_TnomVnom	Pass	500k	16.3M	16.542M	16.3M	16.517M	16.35M	16.642M	16.35M	16.567M
5825MHz_TnomVnom	Pass	500k	16.3M	16.592M	16.3M	16.592M	16.35M	16.667M	16.3M	16.592M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	21.875M	17.741M	21.55M	17.741M	21.575M	17.766M	21.6M	17.766M
5200MHz_TnomVnom	Pass	Inf	21.775M	17.741M	21.6M	17.741M	21.575M	17.741M	21.55M	17.766M
5240MHz_TnomVnom	Pass	Inf	21.95M	17.766M	21.6M	17.741M	21.475M	17.741M	21.675M	17.741M
5745MHz_TnomVnom	Pass	500k	17.625M	17.816M	17.575M	17.741M	17.675M	17.791M	17.6M	17.766M
5785MHz_TnomVnom	Pass	500k	17.575M	17.766M	17.575M	17.716M	17.625M	17.766M	17.6M	17.791M
5825MHz_TnomVnom	Pass	500k	17.55M	17.791M	17.6M	17.716M	17.6M	17.741M	17.625M	17.816M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	40.2M	36.232M	39.65M	36.232M	39.95M	36.232M	39.6M	36.232M
5230MHz_TnomVnom	Pass	Inf	40.45M	36.182M	39.45M	36.232M	40.1M	36.282M	39.8M	36.282M
5755MHz_TnomVnom	Pass	500k	35.65M	36.282M	36.3M	36.232M	35.65M	36.182M	36.35M	36.182M
5795MHz_TnomVnom	Pass	500k	36.35M	36.332M	36.3M	36.232M	36.3M	36.282M	36.35M	36.232M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	Inf	81.6M	75.062M	80.9M	75.162M	80.4M	75.062M	80.9M	74.963M
5775MHz_TnomVnom	Pass	500k	76M	75.862M	75.8M	75.562M	74.8M	75.662M	76.3M	75.762M

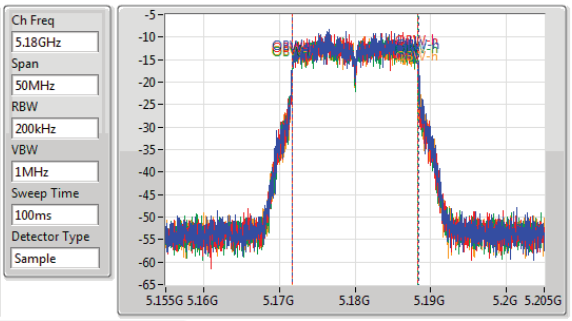
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

15/08/2018



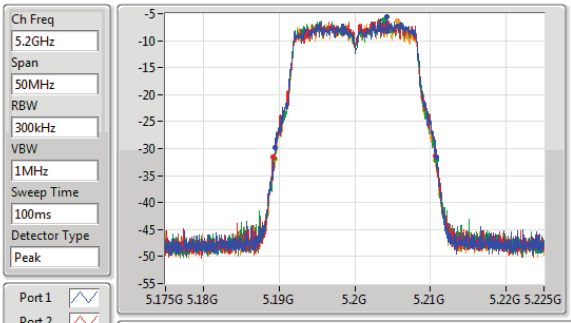


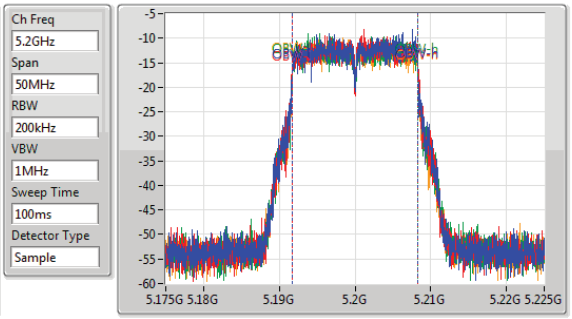
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.55M	5.169275G	5.190825G	16.692M	5.171704G	5.188396G	Inf	1
21.5M	5.16925G	5.19075G	16.617M	5.171729G	5.188346G	Inf	2
21.425M	5.169375G	5.1908G	16.567M	5.171754G	5.188321G	Inf	3
21.425M	5.169325G	5.19075G	16.567M	5.171729G	5.188296G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

15/08/2018



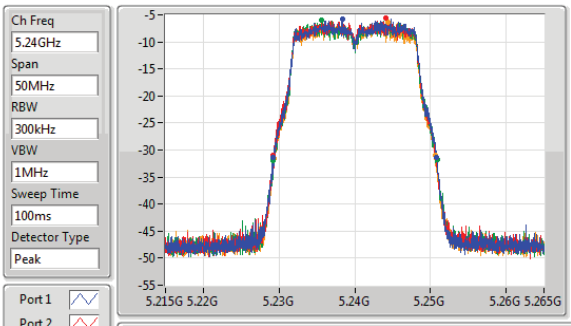


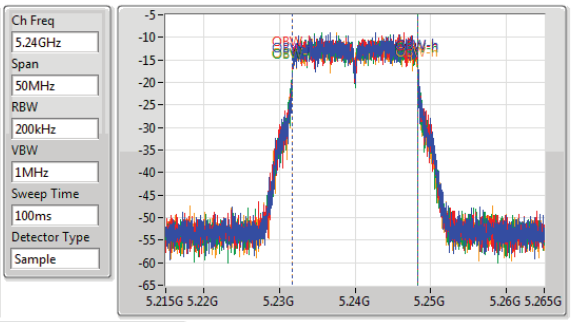
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.3M	5.189425G	5.210725G	16.642M	5.191704G	5.208346G	Inf	1
21.5M	5.18915G	5.21065G	16.592M	5.191754G	5.208346G	Inf	2
21.375M	5.189375G	5.21075G	16.592M	5.191754G	5.208346G	Inf	3
21.225M	5.189475G	5.2107G	16.567M	5.191779G	5.208346G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

15/08/2018



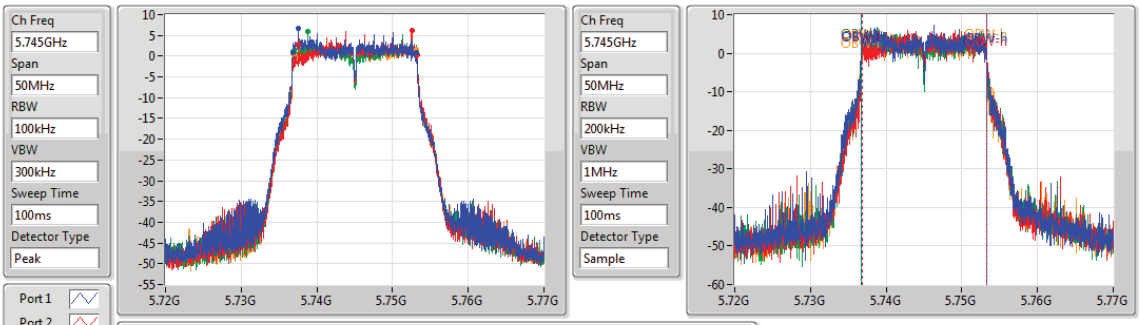


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.22925G	5.25085G	16.592M	5.231754G	5.248346G	Inf	1
21.55M	5.22925G	5.2508G	16.642M	5.231704G	5.248346G	Inf	2
21.6M	5.229275G	5.250875G	16.617M	5.231729G	5.248346G	Inf	3
21.35M	5.22935G	5.2507G	16.592M	5.231729G	5.248321G	Inf	4

802.11a_Nss1,(6Mbps)_4TX — EBW

5745MHz

15/08/2018

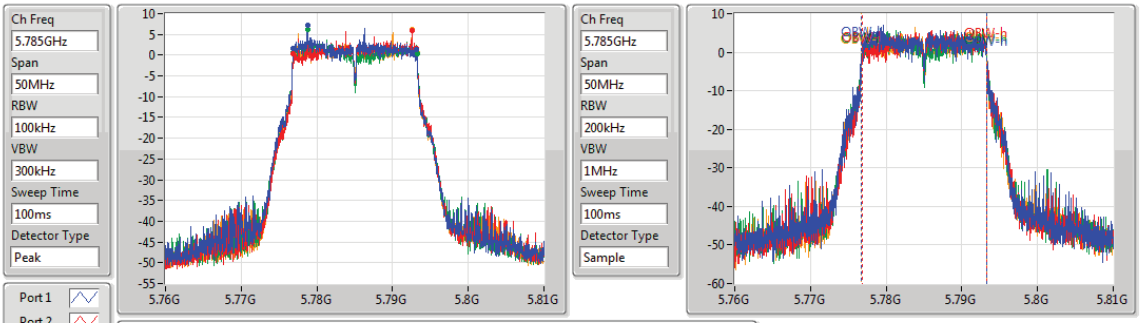


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.73685G	5.753175G	16.617M	5.736679G	5.753296G	500k	1
15.65M	5.737575G	5.753225G	16.492M	5.736829G	5.753321G	500k	2
16.35M	5.736875G	5.753225G	16.617M	5.736729G	5.753346G	500k	3
16.325M	5.736875G	5.7532G	16.642M	5.736679G	5.753321G	500k	4

802.11a_Nss1,(6Mbps)_4TX — EBW

5785MHz

15/08/2018

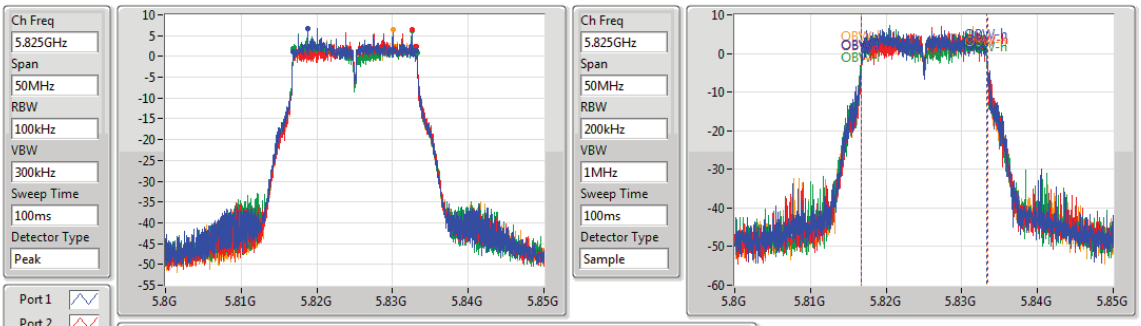


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.776875G	5.793175G	16.542M	5.776754G	5.793296G	500k	1
16.3M	5.7769G	5.7932G	16.517M	5.776804G	5.793321G	500k	2
16.35M	5.776875G	5.793225G	16.642M	5.776704G	5.793346G	500k	3
16.35M	5.776875G	5.793225G	16.567M	5.776754G	5.793321G	500k	4

802.11a_Nss1,(6Mbps)_4TX — EBW

5825MHz

15/08/2018

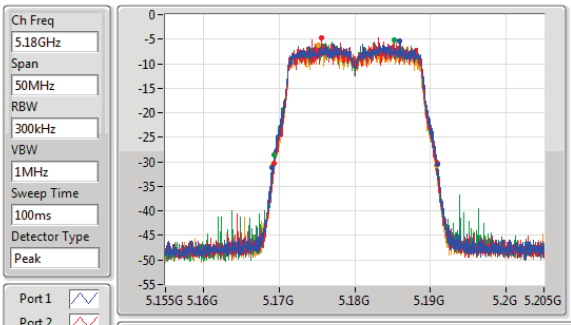


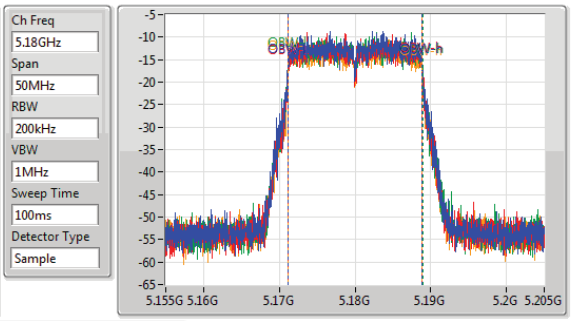
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.8169G	5.8332G	16.592M	5.816754G	5.833346G	500k	1
16.3M	5.8169G	5.8332G	16.592M	5.816779G	5.833371G	500k	2
16.35M	5.816875G	5.833225G	16.667M	5.816679G	5.833346G	500k	3
16.3M	5.8169G	5.8332G	16.592M	5.816754G	5.833346G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5180MHz

15/08/2018



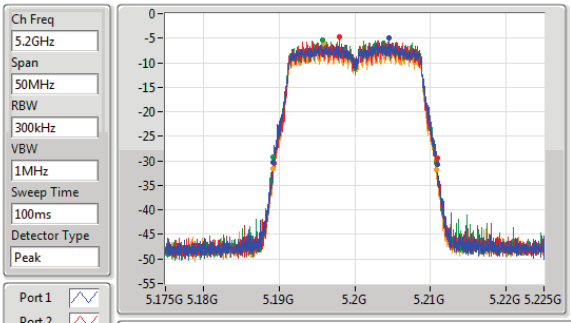


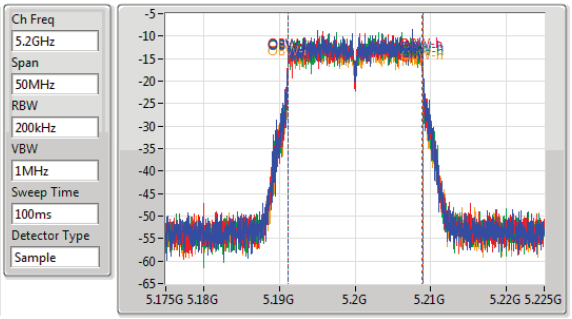
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.875M	5.16905G	5.190925G	17.741M	5.171154G	5.188896G	Inf	1
21.55M	5.169325G	5.190875G	17.741M	5.171154G	5.188896G	Inf	2
21.575M	5.1693G	5.190875G	17.766M	5.171154G	5.188921G	Inf	3
21.6M	5.16925G	5.19085G	17.766M	5.171129G	5.188896G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5200MHz

15/08/2018



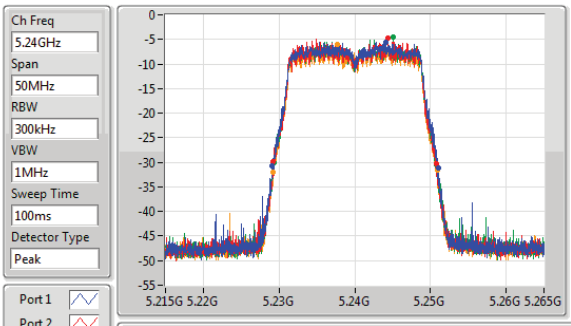


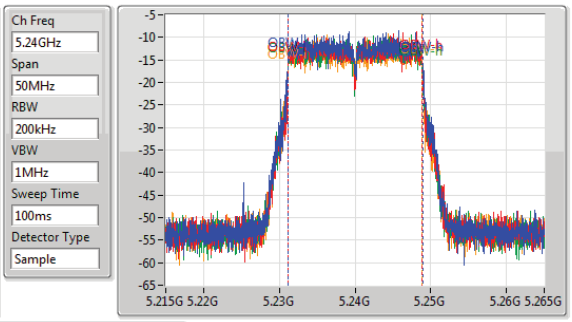
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.775M	5.1892G	5.210975G	17.741M	5.191179G	5.208921G	Inf	1
21.6M	5.1893G	5.2109G	17.741M	5.191154G	5.208896G	Inf	2
21.575M	5.189225G	5.2108G	17.741M	5.191179G	5.208921G	Inf	3
21.55M	5.189275G	5.210825G	17.766M	5.191154G	5.208921G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5240MHz

15/08/2018



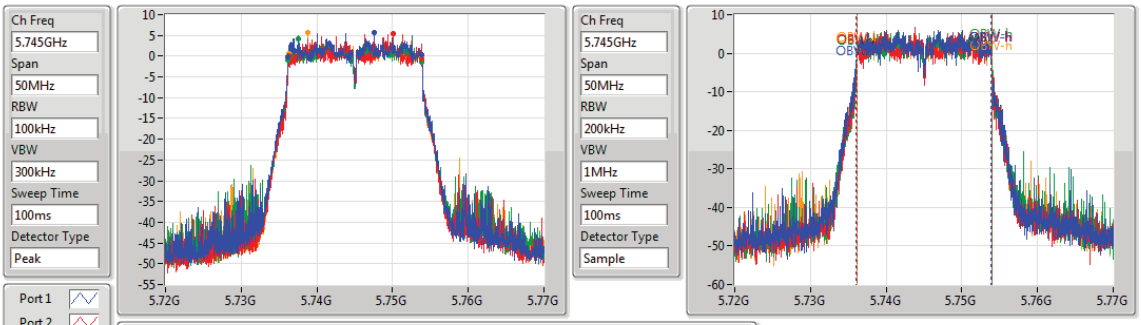


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.95M	5.2291G	5.25105G	17.766M	5.231179G	5.248946G	Inf	1
21.6M	5.2292G	5.2508G	17.741M	5.231154G	5.248896G	Inf	2
21.475M	5.2293G	5.250775G	17.741M	5.231154G	5.248896G	Inf	3
21.675M	5.229225G	5.2509G	17.741M	5.231129G	5.248871G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5745MHz

15/08/2018

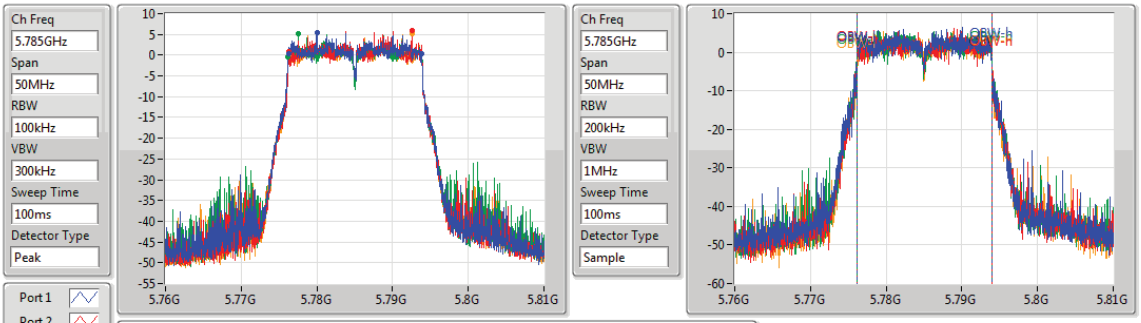


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.625M	5.7362G	5.753825G	17.816M	5.736079G	5.753896G	500k	1
17.575M	5.736275G	5.75385G	17.741M	5.736179G	5.753921G	500k	2
17.675M	5.736225G	5.7539G	17.791M	5.736154G	5.753946G	500k	3
17.6M	5.73625G	5.75385G	17.766M	5.736154G	5.753921G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5785MHz

15/08/2018

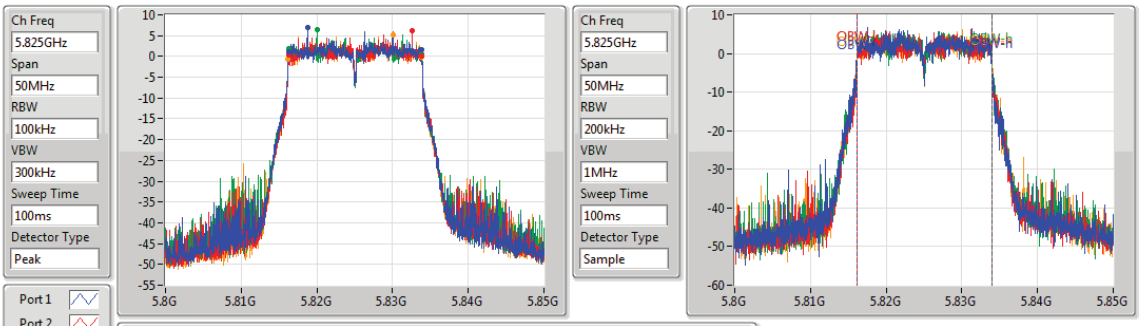


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.77625G	5.793825G	17.766M	5.776154G	5.793921G	500k	1
17.575M	5.776275G	5.79385G	17.716M	5.776204G	5.793921G	500k	2
17.625M	5.776225G	5.79385G	17.766M	5.776154G	5.793921G	500k	3
17.6M	5.77625G	5.79385G	17.791M	5.776129G	5.793921G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5825MHz

15/08/2018

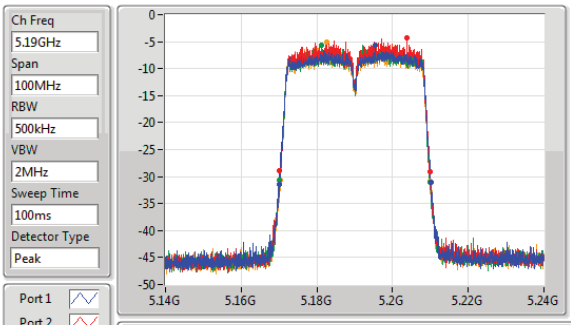


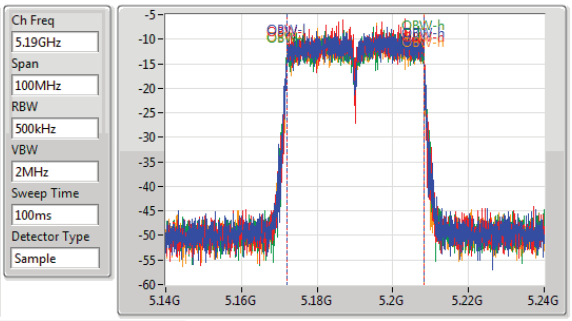
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.816275G	5.833825G	17.791M	5.816129G	5.833921G	500k	1
17.6M	5.81625G	5.83385G	17.716M	5.816204G	5.833921G	500k	2
17.6M	5.81625G	5.83385G	17.741M	5.816179G	5.833921G	500k	3
17.625M	5.816225G	5.83385G	17.816M	5.816154G	5.833971G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5190MHz

15/08/2018



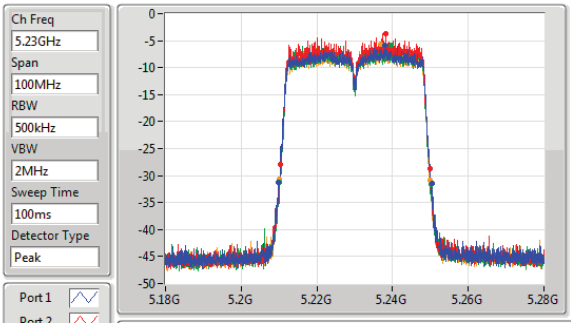


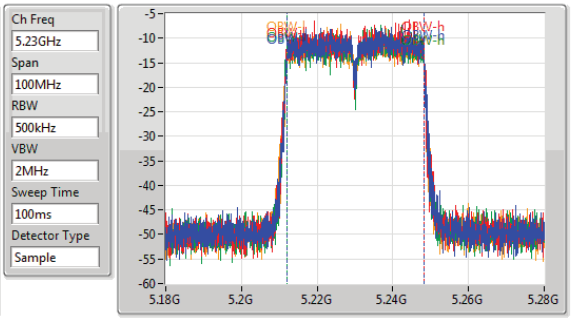
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.16995G	5.21015G	36.232M	5.171959G	5.208191G	Inf	1
39.65M	5.1702G	5.20985G	36.232M	5.171959G	5.208191G	Inf	2
39.95M	5.17005G	5.21G	36.232M	5.171909G	5.208141G	Inf	3
39.6M	5.17035G	5.20995G	36.232M	5.171909G	5.208141G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5230MHz

15/08/2018



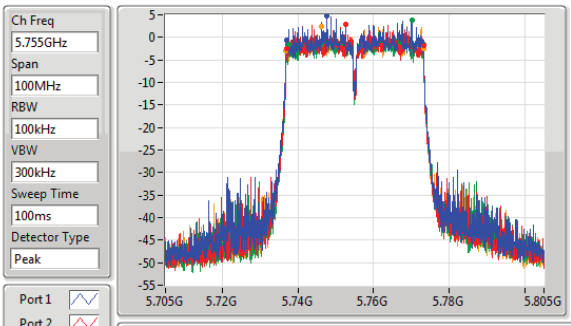


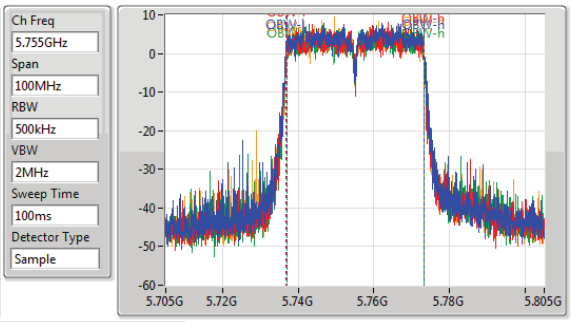
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.45M	5.2099G	5.25035G	36.182M	5.211959G	5.248141G	Inf	1
39.45M	5.2104G	5.24985G	36.232M	5.211909G	5.248141G	Inf	2
40.1M	5.2102G	5.2503G	36.282M	5.211909G	5.248191G	Inf	3
39.8M	5.2102G	5.25G	36.282M	5.211909G	5.248191G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5755MHz

15/08/2018



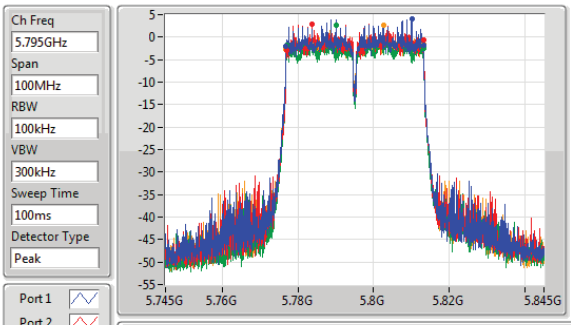


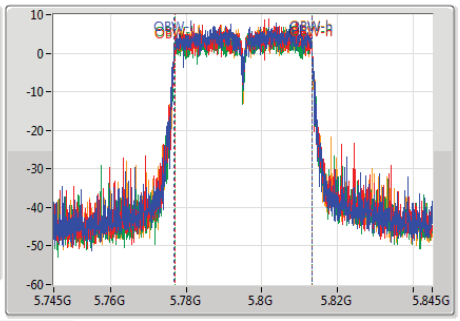
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.65M	5.7369G	5.77255G	36.282M	5.736859G	5.773141G	500k	1
36.3M	5.7369G	5.7732G	36.232M	5.737009G	5.773241G	500k	2
35.65M	5.7375G	5.77315G	36.182M	5.736959G	5.773141G	500k	3
36.35M	5.73685G	5.7732G	36.182M	5.736959G	5.773141G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5795MHz

15/08/2018



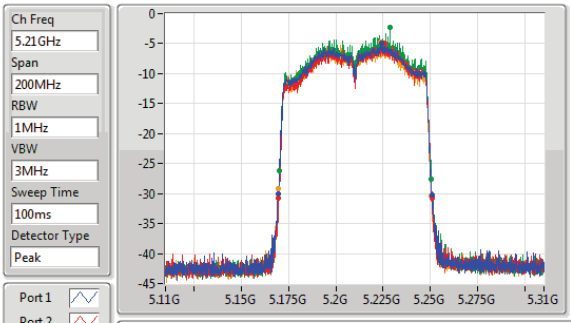


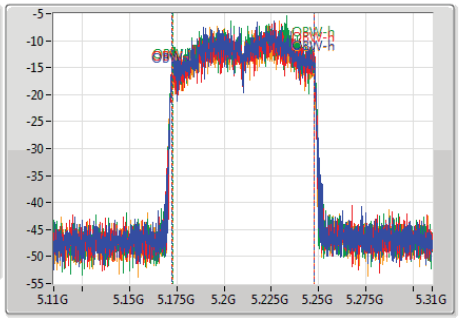
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	5.77685G	5.8132G	36.332M	5.776859G	5.813191G	500k	1
36.3M	5.7769G	5.8132G	36.232M	5.776959G	5.813191G	500k	2
36.3M	5.7769G	5.8132G	36.282M	5.776909G	5.813191G	500k	3
36.35M	5.77685G	5.8132G	36.232M	5.776909G	5.813141G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5210MHz

15/08/2018



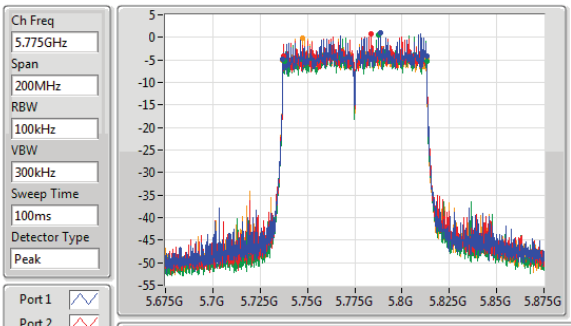


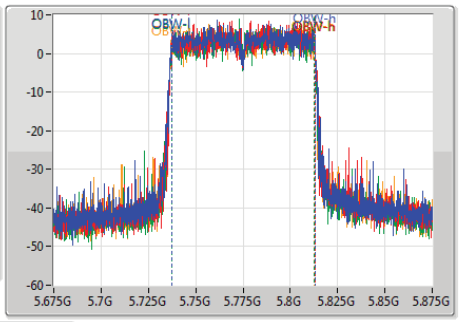
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.6M	5.1694G	5.251G	75.062M	5.172619G	5.247681G	Inf	1
80.9M	5.1698G	5.2507G	75.162M	5.172619G	5.247781G	Inf	2
80.4M	5.1701G	5.2505G	75.062M	5.172719G	5.247781G	Inf	3
80.9M	5.1696G	5.2505G	74.963M	5.172719G	5.247681G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5775MHz

15/08/2018





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76M	5.7369G	5.8129G	75.862M	5.737119G	5.812981G	500k	1
75.8M	5.7374G	5.8132G	75.562M	5.737419G	5.812981G	500k	2
74.8M	5.7381G	5.8129G	75.662M	5.737219G	5.812881G	500k	3
76.3M	5.7369G	5.8132G	75.762M	5.737119G	5.812881G	500k	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.9M	17.791M	17M8D1D	21.425M	17.691M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.3M	36.282M	36M3D1D	39.6M	36.182M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	80.6M	74.863M	74M9D1D	79.8M	74.763M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.6M	40.605M	40M6D1D	16.775M	25.287M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	36.3M	68.816M	68M8D1D	35.35M	45.477M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	76.1M	85.857M	85M9D1D	73.2M	76.462M

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

Result

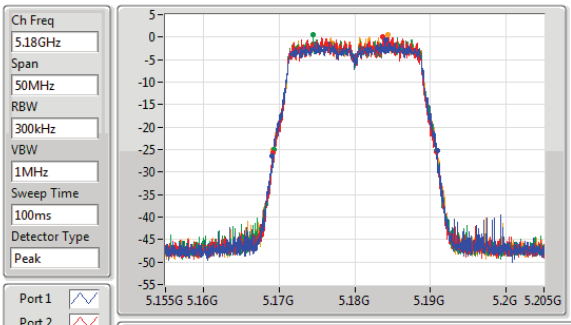
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.825M	17.691M	21.5M	17.741M	21.425M	17.716M	21.725M	17.741M
5200MHz	Pass	Inf	21.75M	17.741M	21.575M	17.741M	21.475M	17.741M	21.675M	17.716M
5240MHz	Pass	Inf	21.9M	17.791M	21.5M	17.691M	21.525M	17.716M	21.55M	17.741M
5745MHz	Pass	500k	17.5M	25.287M	16.775M	34.683M	17.15M	31.884M	17.575M	28.936M
5785MHz	Pass	500k	17.525M	27.961M	16.9M	39.805M	16.875M	33.483M	17.525M	32.934M
5825MHz	Pass	500k	17.55M	28.811M	17.575M	40.605M	17.55M	34.658M	17.6M	34.058M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.3M	36.182M	39.8M	36.232M	40M	36.232M	39.75M	36.282M
5230MHz	Pass	Inf	40.1M	36.232M	39.75M	36.182M	39.9M	36.182M	39.6M	36.232M
5755MHz	Pass	500k	36.05M	45.477M	36M	60.67M	35.65M	57.521M	36.05M	51.274M
5795MHz	Pass	500k	36.3M	53.573M	35.35M	68.816M	36.3M	66.867M	36.3M	63.368M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	79.8M	74.863M	80.5M	74.763M	79.9M	74.863M	80.6M	74.863M
5775MHz	Pass	500k	73.2M	76.462M	76.1M	82.959M	74.5M	85.857M	76.1M	76.762M

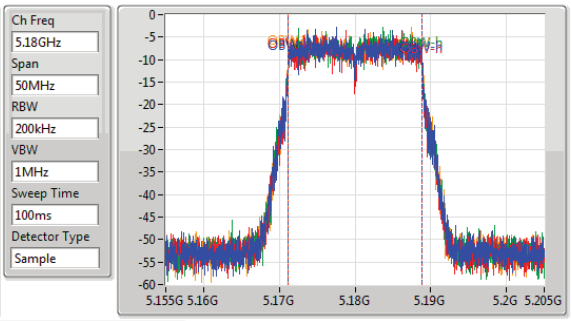
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5180MHz

20/08/2018



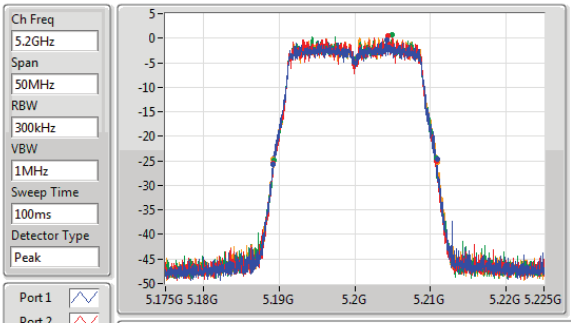


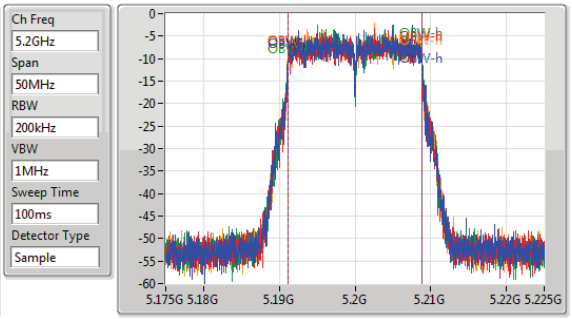
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.825M	5.169125G	5.19095G	17.691M	5.171179G	5.188871G	Inf	1
21.5M	5.169225G	5.190725G	17.741M	5.171129G	5.188871G	Inf	2
21.425M	5.169325G	5.19075G	17.716M	5.171154G	5.188871G	Inf	3
21.725M	5.169175G	5.1909G	17.741M	5.171154G	5.188896G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5200MHz

20/08/2018



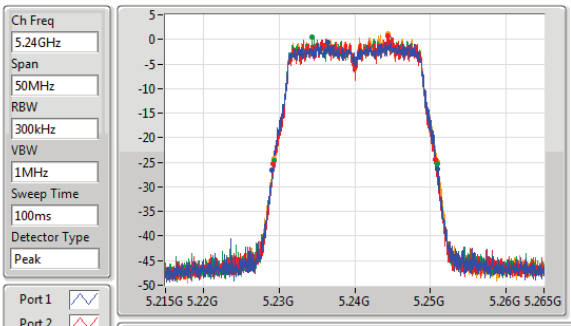


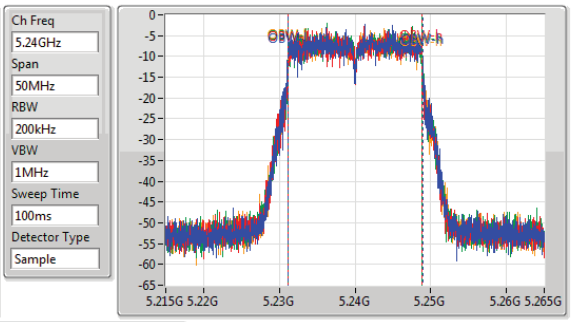
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.189175G	5.210925G	17.741M	5.191129G	5.208871G	Inf	1
21.575M	5.1892G	5.210775G	17.741M	5.191154G	5.208896G	Inf	2
21.475M	5.189325G	5.2108G	17.741M	5.191129G	5.208871G	Inf	3
21.675M	5.18925G	5.210925G	17.716M	5.191154G	5.208871G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5240MHz

20/08/2018



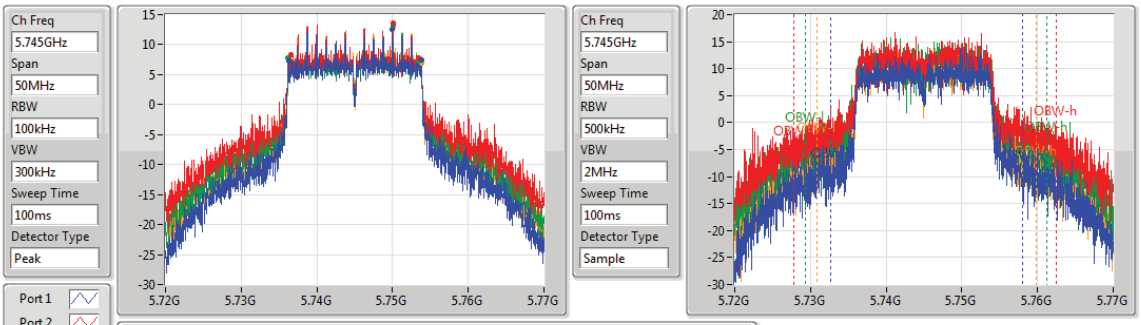


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	5.2291G	5.251G	17.791M	5.231129G	5.248921G	Inf	1
21.5M	5.2292G	5.2507G	17.691M	5.231154G	5.248846G	Inf	2
21.525M	5.229375G	5.2509G	17.716M	5.231154G	5.248871G	Inf	3
21.55M	5.22935G	5.2509G	17.741M	5.231154G	5.248896G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5745MHz

20/08/2018

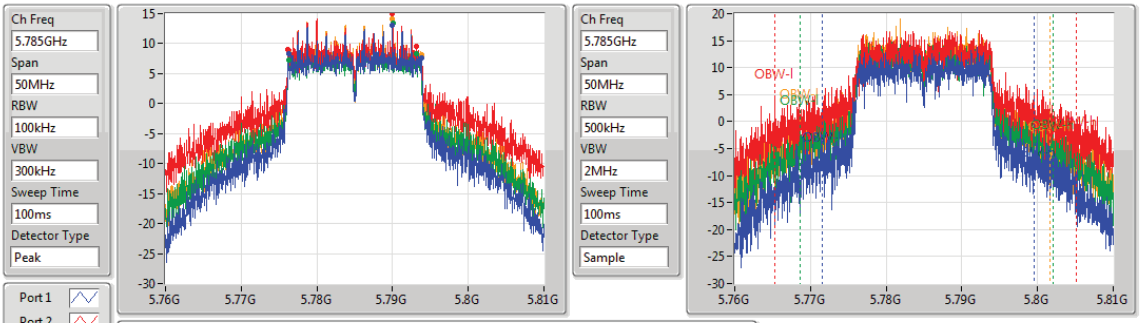


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.5M	5.736275G	5.753775G	25.287M	5.732706G	5.757994G	500k	1
16.775M	5.736625G	5.7534G	34.683M	5.727734G	5.762416G	500k	2
17.15M	5.736225G	5.753375G	31.884M	5.729283G	5.761167G	500k	3
17.575M	5.736225G	5.7538G	28.936M	5.730857G	5.759793G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5785MHz

20/08/2018

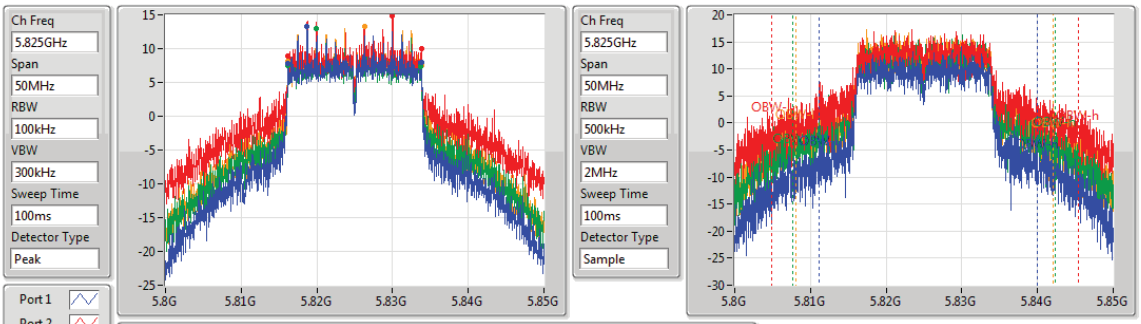


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	5.77625G	5.793775G	27.961M	5.771557G	5.799518G	500k	1
16.9M	5.776225G	5.793125G	39.805M	5.765285G	5.80509G	500k	2
16.875M	5.77625G	5.793125G	33.483M	5.768633G	5.802116G	500k	3
17.525M	5.77625G	5.793775G	32.934M	5.768658G	5.801592G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5825MHz

20/08/2018

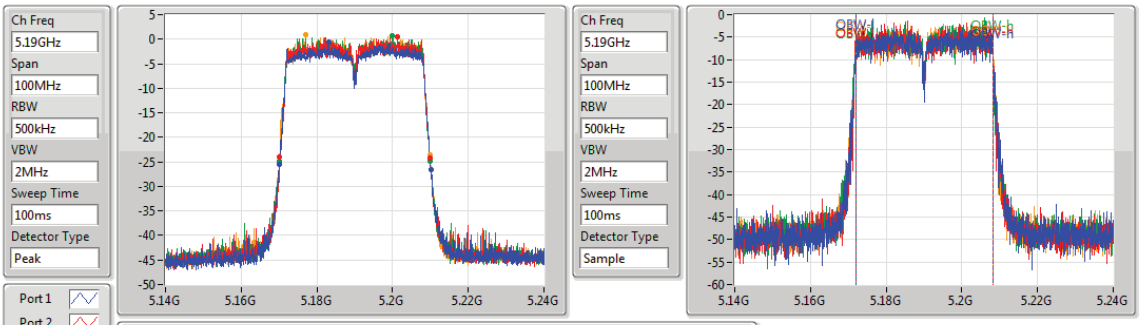


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.816225G	5.833775G	28.811M	5.811132G	5.839943G	500k	1
17.575M	5.8162G	5.833775G	40.605M	5.80481G	5.845415G	500k	2
17.55M	5.8162G	5.83375G	34.658M	5.807709G	5.842366G	500k	3
17.6M	5.8162G	5.8338G	34.058M	5.808008G	5.842066G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5190MHz

20/08/2018

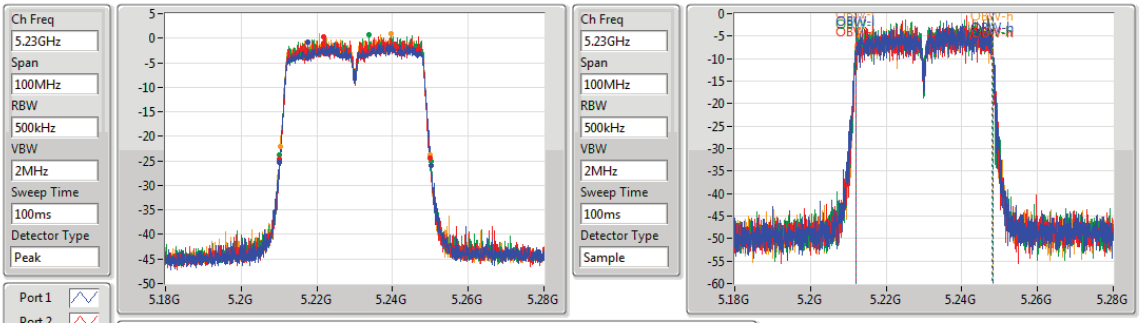


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.3M	5.16995G	5.21025G	36.182M	5.171959G	5.208141G	Inf	1
39.8M	5.1702G	5.21G	36.232M	5.171909G	5.208141G	Inf	2
40M	5.17G	5.21G	36.232M	5.171909G	5.208141G	Inf	3
39.75M	5.1701G	5.20985G	36.282M	5.171909G	5.208191G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5230MHz

20/08/2018

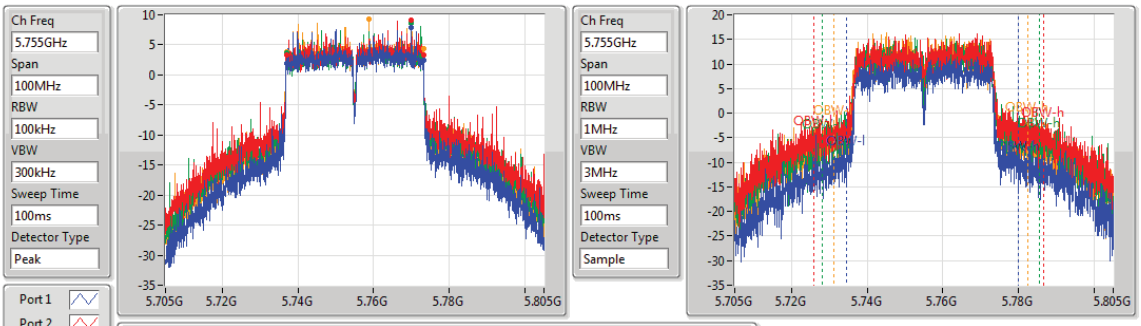


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.21015G	5.25025G	36.232M	5.211909G	5.248141G	Inf	1
39.75M	5.2102G	5.24995G	36.182M	5.211959G	5.248141G	Inf	2
39.9M	5.2102G	5.2501G	36.182M	5.211909G	5.248091G	Inf	3
39.6M	5.21025G	5.24985G	36.232M	5.211909G	5.248141G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5755MHz

20/08/2018

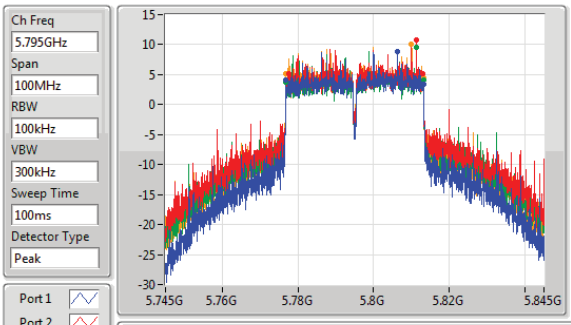


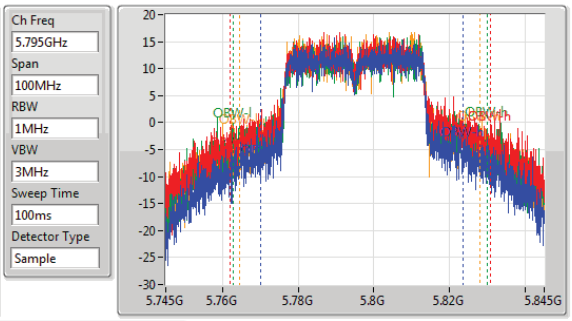
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	5.7371G	5.77315G	45.477M	5.73441G	5.779888G	500k	1
36M	5.73715G	5.77315G	60.67M	5.726014G	5.786684G	500k	2
35.65M	5.7371G	5.77275G	57.521M	5.728113G	5.785635G	500k	3
36.05M	5.7371G	5.77315G	51.274M	5.731112G	5.782386G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5795MHz

20/08/2018



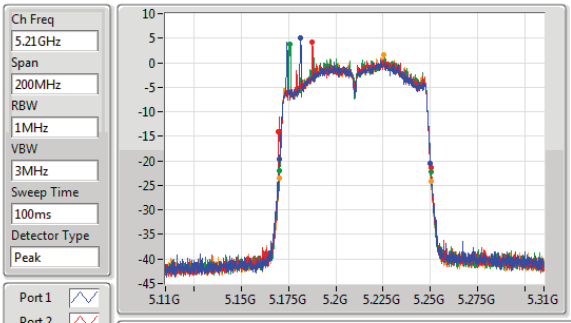


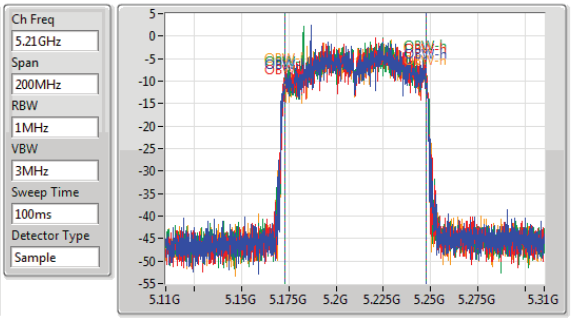
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.77685G	5.81315G	53.573M	5.769963G	5.823536G	500k	1
35.35M	5.7775G	5.81285G	68.816M	5.762016G	5.830832G	500k	2
36.3M	5.77685G	5.81315G	66.867M	5.762966G	5.829833G	500k	3
36.3M	5.77685G	5.81315G	63.368M	5.764565G	5.827934G	500k	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5210MHz

20/08/2018



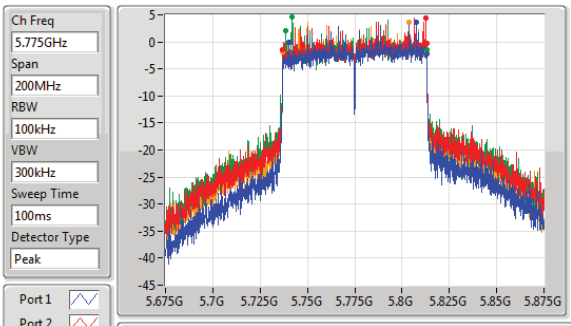


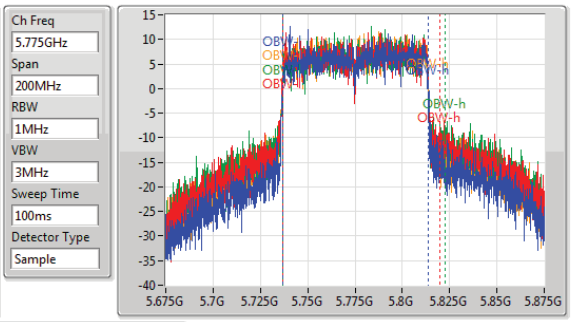
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
79.8M	5.1702G	5.25G	74.863M	5.172719G	5.247581G	Inf	1
80.5M	5.1697G	5.2502G	74.763M	5.172919G	5.247681G	Inf	2
79.9M	5.1703G	5.2502G	74.863M	5.172819G	5.247681G	Inf	3
80.6M	5.17G	5.2506G	74.863M	5.172719G	5.247581G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5775MHz

20/08/2018





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.2M	5.74G	5.8132G	76.462M	5.737019G	5.813481G	500k	1
76.1M	5.7371G	5.8132G	82.959M	5.736719G	5.819678G	500k	2
74.5M	5.7387G	5.8132G	85.857M	5.736619G	5.822476G	500k	3
76.1M	5.7371G	5.8132G	76.762M	5.736819G	5.813581G	500k	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.85M	17.816M	17M8D1D	21.45M	17.716M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.35M	36.382M	36M4D1D	39.7M	36.232M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	81.8M	75.662M	75M7D1D	79.3M	75.162M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.6M	17.791M	17M8D1D	17.55M	17.691M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	36.35M	36.332M	36M3D1D	33.8M	36.232M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	76.4M	75.962M	76M0D1D	74.3M	75.662M

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

Result

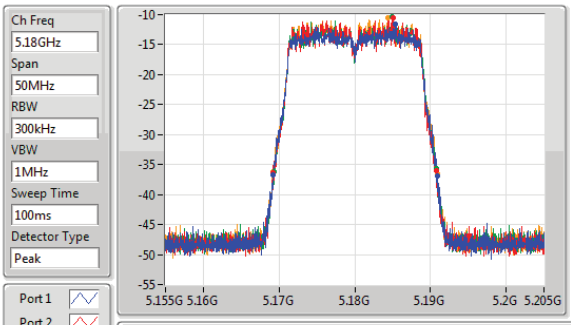
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.825M	17.791M	21.55M	17.766M	21.45M	17.791M	21.65M	17.741M
5200MHz	Pass	Inf	21.8M	17.816M	21.55M	17.766M	21.55M	17.716M	21.7M	17.716M
5240MHz	Pass	Inf	21.85M	17.791M	21.55M	17.716M	21.575M	17.741M	21.775M	17.791M
5745MHz	Pass	500k	17.55M	17.741M	17.6M	17.716M	17.55M	17.766M	17.575M	17.766M
5785MHz	Pass	500k	17.575M	17.741M	17.6M	17.716M	17.575M	17.766M	17.575M	17.741M
5825MHz	Pass	500k	17.575M	17.791M	17.575M	17.691M	17.575M	17.766M	17.6M	17.766M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.35M	36.282M	39.8M	36.282M	40.3M	36.282M	40.2M	36.232M
5230MHz	Pass	Inf	40.3M	36.282M	39.75M	36.332M	39.7M	36.382M	39.7M	36.282M
5755MHz	Pass	500k	36.35M	36.282M	36.35M	36.332M	36.35M	36.232M	36.35M	36.232M
5795MHz	Pass	500k	36.25M	36.232M	33.8M	36.282M	36.35M	36.282M	35.9M	36.232M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.8M	75.662M	79.9M	75.162M	79.3M	75.262M	81.8M	75.262M
5775MHz	Pass	500k	75.1M	75.762M	76.4M	75.862M	75.8M	75.662M	74.3M	75.962M

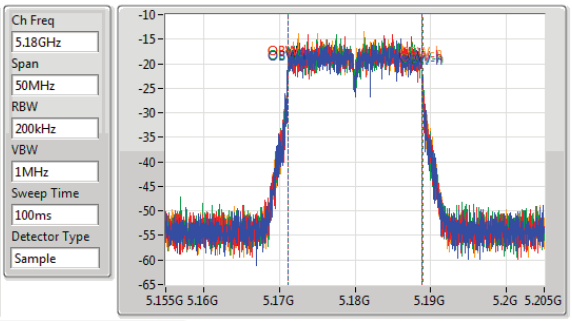
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5180MHz

20/08/2018



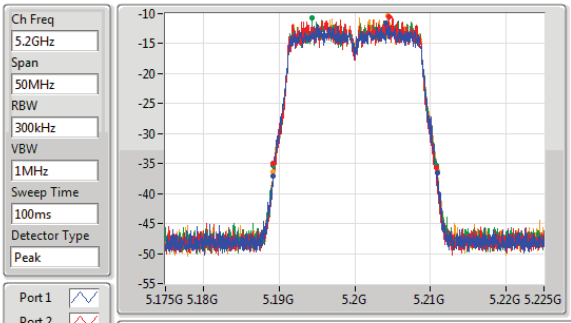


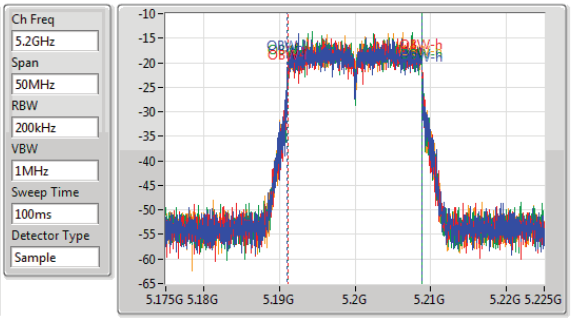
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.825M	5.169175G	5.191G	17.791M	5.171104G	5.188896G	Inf	1
21.55M	5.169225G	5.190775G	17.766M	5.171129G	5.188896G	Inf	2
21.45M	5.1694G	5.19085G	17.791M	5.171129G	5.188921G	Inf	3
21.65M	5.16925G	5.1909G	17.741M	5.171129G	5.188871G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5200MHz

20/08/2018



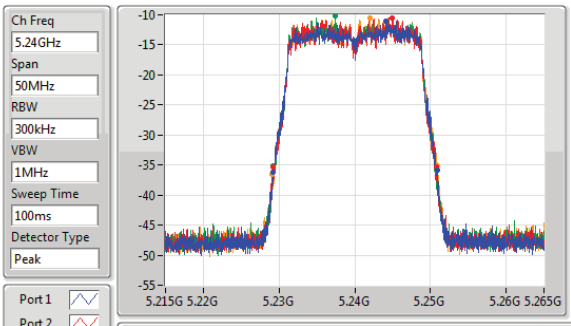


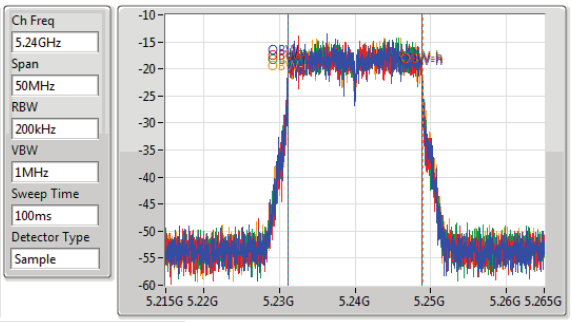
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.8M	5.189175G	5.210975G	17.816M	5.191079G	5.208896G	Inf	1
21.55M	5.18925G	5.2108G	17.766M	5.191129G	5.208896G	Inf	2
21.55M	5.189275G	5.210825G	17.716M	5.191154G	5.208871G	Inf	3
21.7M	5.18925G	5.21095G	17.716M	5.191154G	5.208871G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5240MHz

20/08/2018



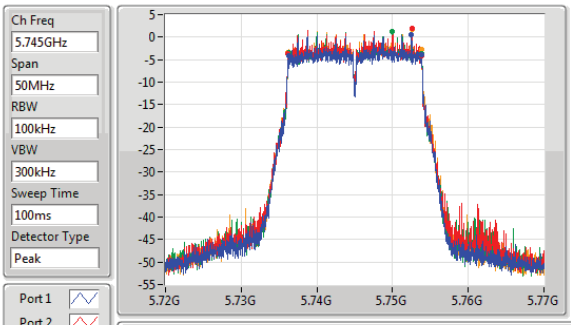


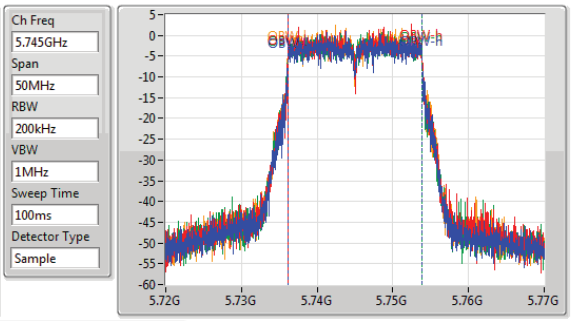
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.85M	5.22915G	5.251G	17.791M	5.231104G	5.248896G	Inf	1
21.55M	5.229225G	5.250775G	17.716M	5.231154G	5.248871G	Inf	2
21.575M	5.22925G	5.250825G	17.741M	5.231154G	5.248896G	Inf	3
21.775M	5.229125G	5.2509G	17.791M	5.231129G	5.248921G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5745MHz

20/08/2018



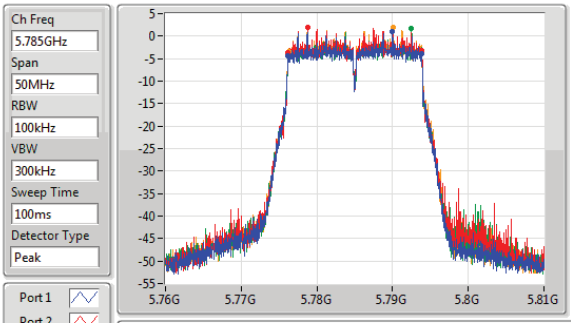


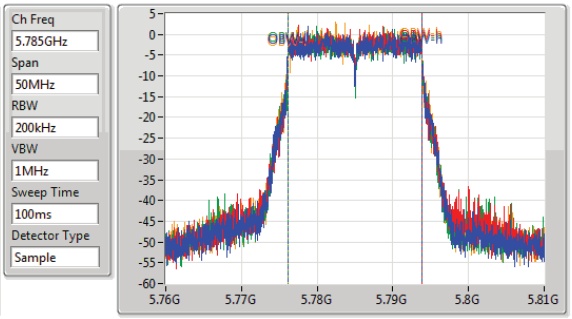
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.73625G	5.7538G	17.741M	5.736129G	5.753871G	500k	1
17.6M	5.736225G	5.753825G	17.716M	5.736154G	5.753871G	500k	2
17.55M	5.73625G	5.7538G	17.766M	5.736129G	5.753896G	500k	3
17.575M	5.736225G	5.7538G	17.766M	5.736129G	5.753896G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5785MHz

20/08/2018



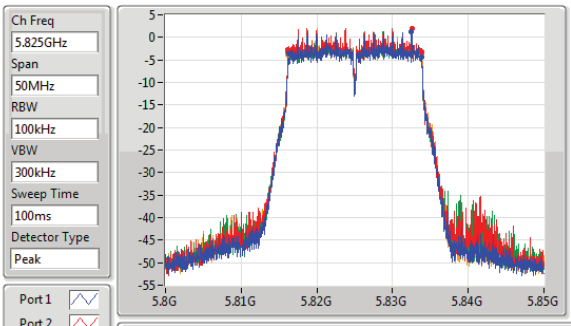


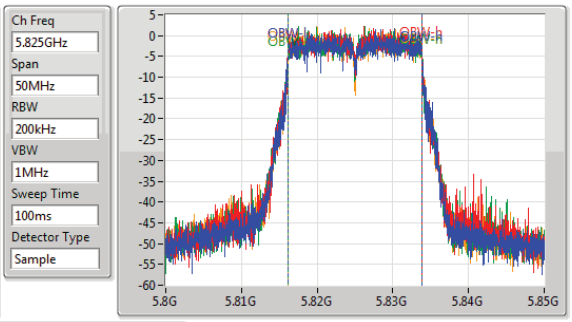
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.776225G	5.7938G	17.741M	5.776154G	5.793896G	500k	1
17.6M	5.776225G	5.793825G	17.716M	5.776154G	5.793871G	500k	2
17.575M	5.776225G	5.7938G	17.766M	5.776129G	5.793896G	500k	3
17.575M	5.77625G	5.793825G	17.741M	5.776129G	5.793871G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5825MHz

20/08/2018



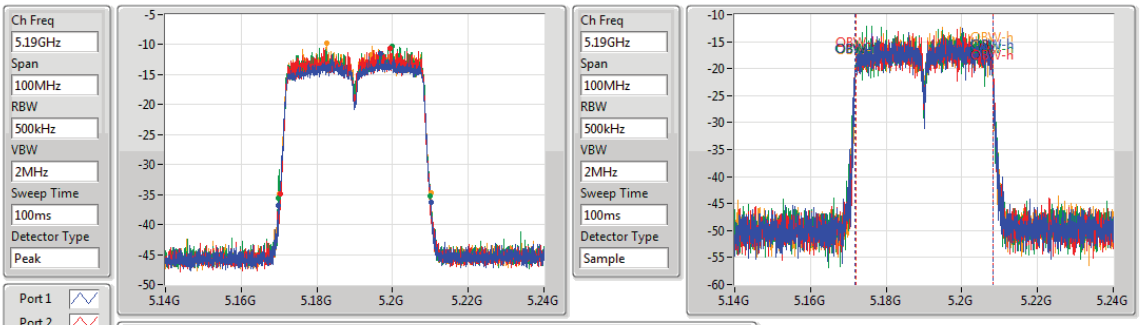


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.81625G	5.833825G	17.791M	5.816104G	5.833896G	500k	1
17.575M	5.816225G	5.8338G	17.691M	5.816154G	5.833846G	500k	2
17.575M	5.816225G	5.8338G	17.766M	5.816104G	5.833871G	500k	3
17.6M	5.816225G	5.833825G	17.766M	5.816129G	5.833896G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5190MHz

20/08/2018

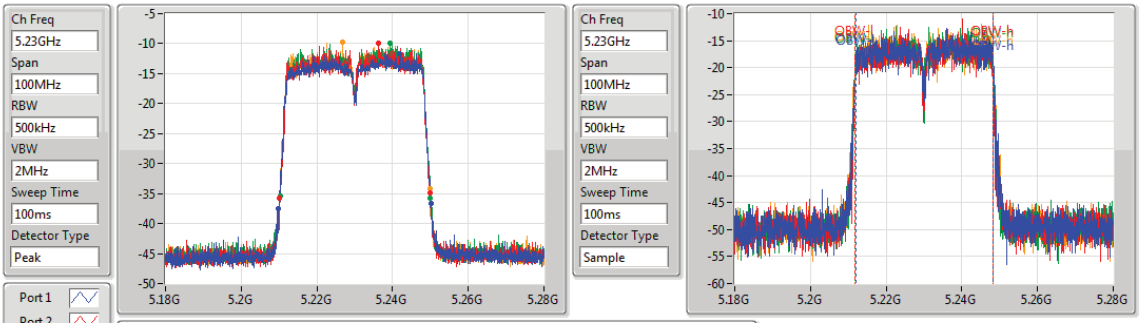


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.35M	5.1698G	5.21015G	36.282M	5.171859G	5.208141G	Inf	1
39.8M	5.1703G	5.2101G	36.282M	5.171909G	5.208191G	Inf	2
40.3M	5.1697G	5.21G	36.282M	5.171909G	5.208191G	Inf	3
40.2M	5.16995G	5.21015G	36.232M	5.171909G	5.208141G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5230MHz

20/08/2018

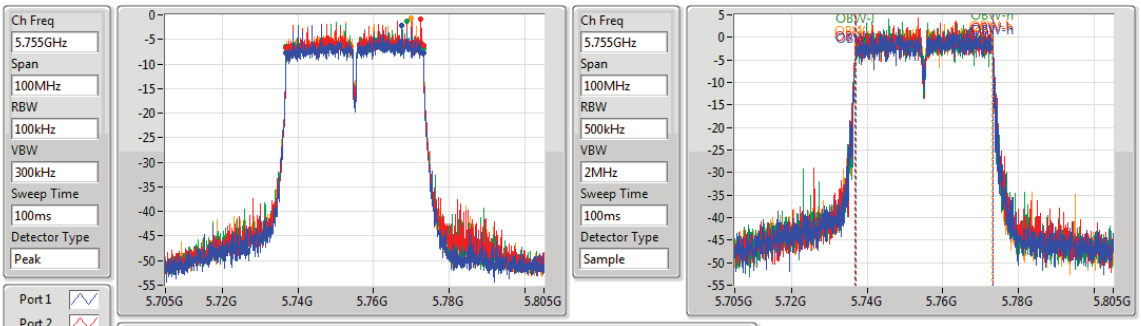


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.3M	5.2098G	5.2501G	36.282M	5.211909G	5.248191G	Inf	1
39.75M	5.21015G	5.2499G	36.332M	5.211859G	5.248191G	Inf	2
39.7M	5.21035G	5.25005G	36.382M	5.211859G	5.248241G	Inf	3
39.7M	5.21025G	5.24995G	36.282M	5.211859G	5.248141G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5755MHz

20/08/2018

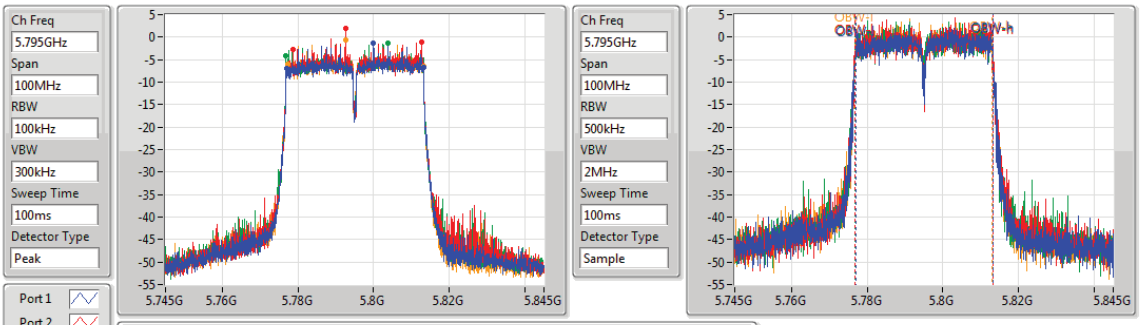


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	5.73685G	5.7732G	36.282M	5.736909G	5.773191G	500k	1
36.35M	5.73685G	5.7732G	36.332M	5.736809G	5.773141G	500k	2
36.35M	5.73685G	5.7732G	36.232M	5.736909G	5.773141G	500k	3
36.35M	5.73685G	5.7732G	36.232M	5.736859G	5.773091G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5795MHz

20/08/2018

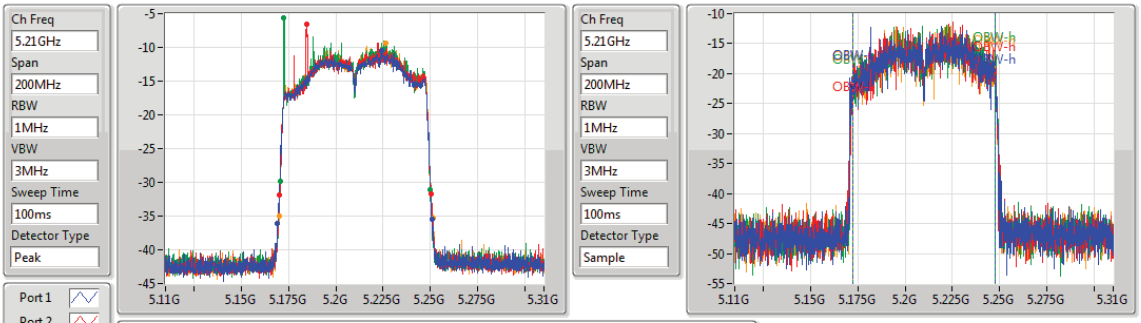


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.25M	5.7769G	5.81315G	36.232M	5.776909G	5.813141G	500k	1
33.8M	5.77875G	5.81255G	36.282M	5.776859G	5.813141G	500k	2
36.35M	5.77685G	5.8132G	36.282M	5.776859G	5.813141G	500k	3
35.9M	5.7773G	5.8132G	36.232M	5.776859G	5.813091G	500k	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5210MHz

20/08/2018

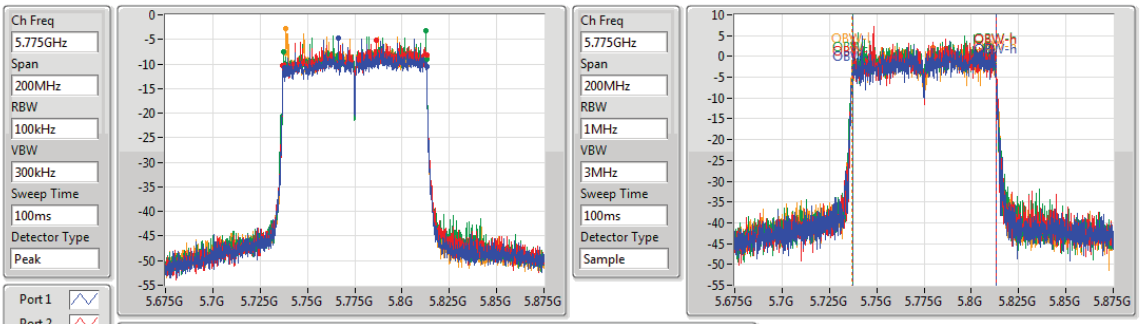


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.8M	5.1692G	5.251G	75.662M	5.172119G	5.247781G	Inf	1
79.9M	5.1704G	5.2503G	75.162M	5.172619G	5.247781G	Inf	2
79.3M	5.1706G	5.2499G	75.262M	5.172619G	5.247881G	Inf	3
81.8M	5.1699G	5.2517G	75.262M	5.172519G	5.247781G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5775MHz

20/08/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.1M	5.7381G	5.8132G	75.762M	5.737219G	5.812981G	500k	1
76.4M	5.7368G	5.8132G	75.862M	5.737219G	5.813081G	500k	2
75.8M	5.7374G	5.8132G	75.662M	5.737319G	5.812981G	500k	3
74.3M	5.7386G	5.8129G	75.962M	5.737019G	5.812981G	500k	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.8M	17.791M	17M8D1D	21.3M	17.691M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.4M	36.282M	36M3D1D	39.6M	36.182M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	81.9M	75.862M	75M9D1D	79.9M	74.863M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.6M	18.091M	18M1D1D	17.25M	17.841M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	36.35M	36.582M	36M6D1D	36.3M	36.332M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	76.3M	75.862M	75M9D1D	73.8M	75.662M

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

Result

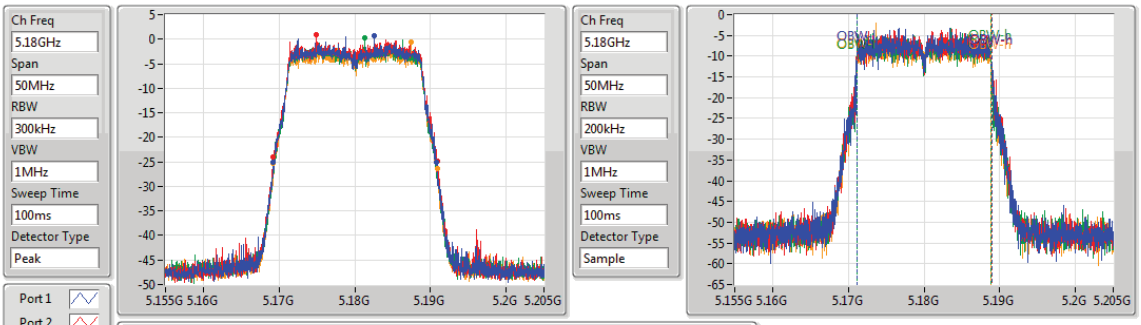
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.625M	17.791M	21.675M	17.791M	21.45M	17.691M	21.7M	17.741M
5200MHz	Pass	Inf	21.575M	17.716M	21.8M	17.741M	21.3M	17.741M	21.725M	17.716M
5240MHz	Pass	Inf	21.75M	17.766M	21.55M	17.791M	21.425M	17.766M	21.3M	17.741M
5745MHz	Pass	500k	17.575M	17.941M	17.55M	17.866M	17.25M	17.966M	17.575M	18.091M
5785MHz	Pass	500k	17.575M	17.841M	17.55M	17.891M	17.525M	17.966M	17.575M	18.016M
5825MHz	Pass	500k	17.275M	17.841M	17.6M	17.991M	17.575M	18.016M	17.575M	17.916M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.3M	36.282M	39.8M	36.232M	39.9M	36.232M	40.1M	36.232M
5230MHz	Pass	Inf	40M	36.282M	40.4M	36.182M	39.6M	36.232M	40.05M	36.282M
5755MHz	Pass	500k	36.35M	36.532M	36.3M	36.382M	36.3M	36.382M	36.35M	36.582M
5795MHz	Pass	500k	36.3M	36.332M	36.3M	36.482M	36.35M	36.382M	36.35M	36.482M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80M	75.862M	81M	74.863M	81.9M	74.963M	79.9M	75.362M
5775MHz	Pass	500k	76.3M	75.862M	74.5M	75.862M	75.1M	75.662M	73.8M	75.762M

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

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5180MHz

21/08/2018

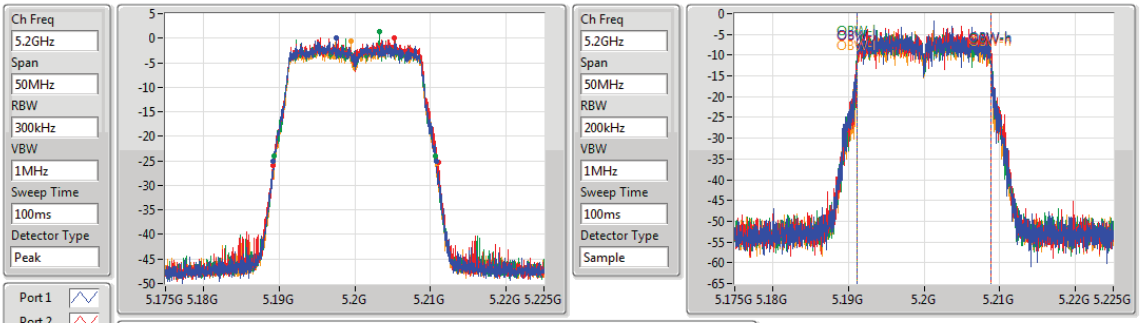


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.625M	5.1692G	5.190825G	17.791M	5.171129G	5.188921G	Inf	1
21.675M	5.169275G	5.19095G	17.791M	5.171129G	5.188921G	Inf	2
21.45M	5.16935G	5.1908G	17.691M	5.171154G	5.188846G	Inf	3
21.7M	5.16925G	5.19095G	17.741M	5.171154G	5.188896G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5200MHz

21/08/2018

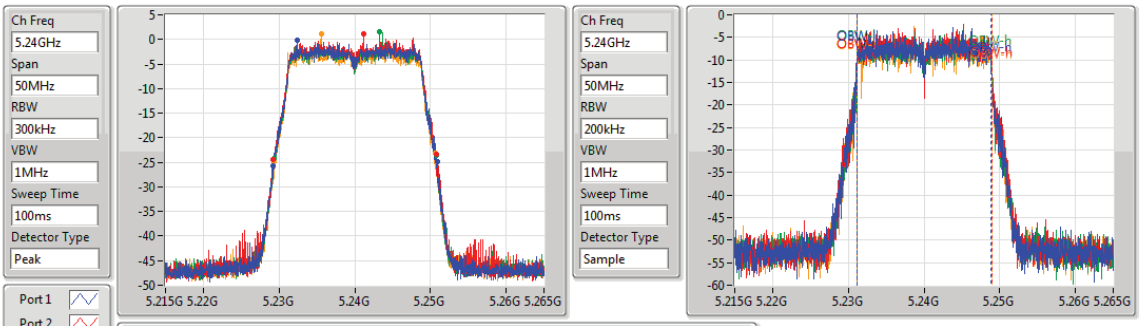


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.575M	5.189225G	5.2108G	17.716M	5.191154G	5.208871G	Inf	1
21.8M	5.189225G	5.211025G	17.741M	5.191154G	5.208896G	Inf	2
21.3M	5.1893G	5.2106G	17.741M	5.191129G	5.208871G	Inf	3
21.725M	5.1892G	5.210925G	17.716M	5.191179G	5.208896G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5240MHz

21/08/2018

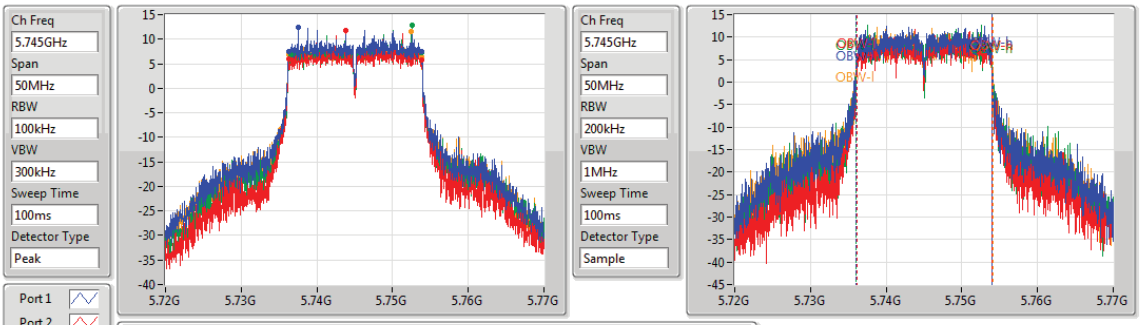


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.229175G	5.250925G	17.766M	5.231129G	5.248896G	Inf	1
21.55M	5.22925G	5.2508G	17.791M	5.231129G	5.248921G	Inf	2
21.425M	5.229325G	5.25075G	17.766M	5.231129G	5.248896G	Inf	3
21.3M	5.229325G	5.250625G	17.741M	5.231179G	5.248921G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5745MHz

21/08/2018

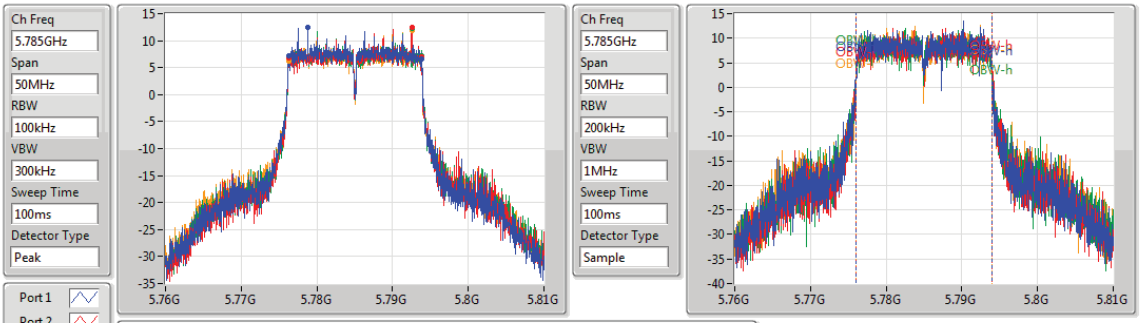


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.73625G	5.753825G	17.941M	5.736029G	5.753971G	500k	1
17.55M	5.736275G	5.753825G	17.866M	5.736104G	5.753971G	500k	2
17.25M	5.736575G	5.753825G	17.966M	5.736079G	5.754045G	500k	3
17.575M	5.73625G	5.753825G	18.091M	5.73598G	5.75407G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5785MHz

21/08/2018

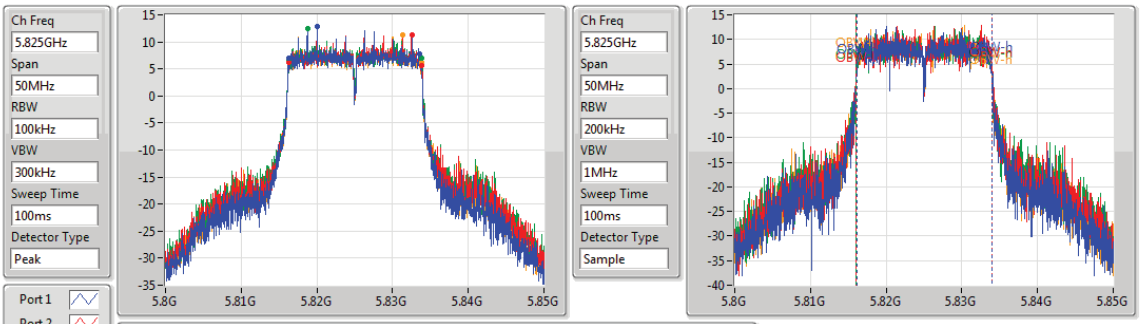


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.77625G	5.793825G	17.841M	5.776079G	5.793921G	500k	1
17.55M	5.776275G	5.793825G	17.891M	5.776079G	5.793971G	500k	2
17.525M	5.7763G	5.793825G	17.966M	5.776079G	5.794045G	500k	3
17.575M	5.77625G	5.793825G	18.016M	5.776029G	5.794045G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5825MHz

21/08/2018

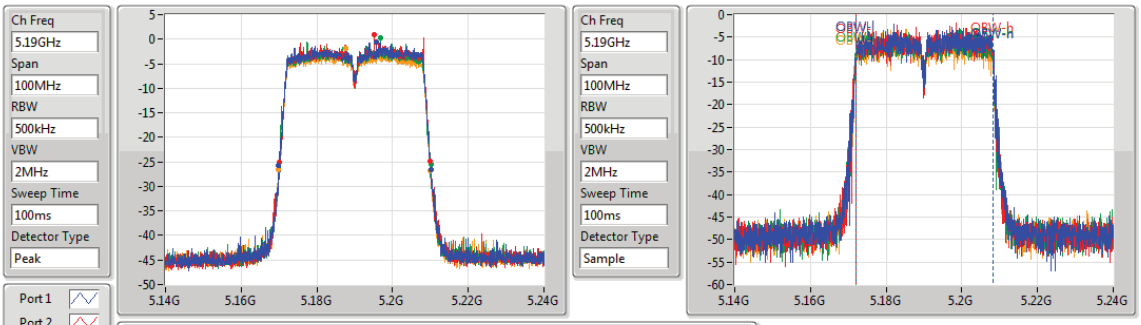


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.275M	5.816275G	5.83355G	17.841M	5.816104G	5.833946G	500k	1
17.6M	5.81625G	5.83385G	17.991M	5.816054G	5.834045G	500k	2
17.575M	5.81625G	5.833825G	18.016M	5.816029G	5.834045G	500k	3
17.575M	5.81625G	5.833825G	17.916M	5.816079G	5.833996G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5190MHz

21/08/2018

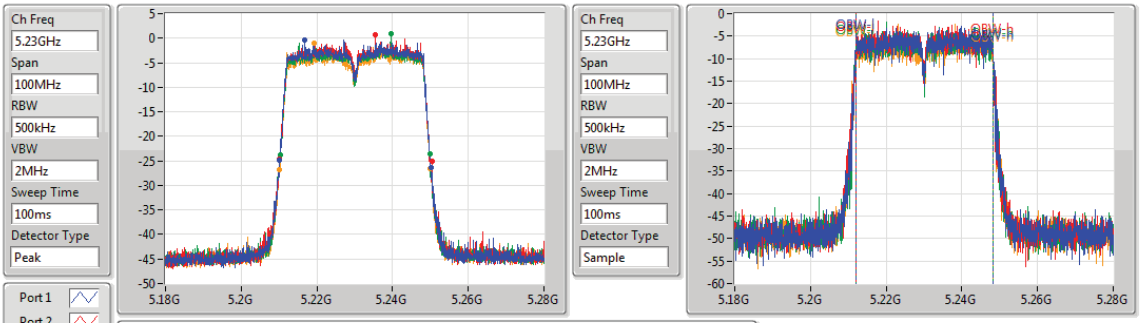


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.3M	5.16985G	5.21015G	36.282M	5.171959G	5.208241G	Inf	1
39.8M	5.1701G	5.2099G	36.232M	5.171959G	5.208191G	Inf	2
39.9M	5.1702G	5.2101G	36.232M	5.171909G	5.208141G	Inf	3
40.1M	5.1699G	5.21G	36.232M	5.171909G	5.208141G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5230MHz

21/08/2018

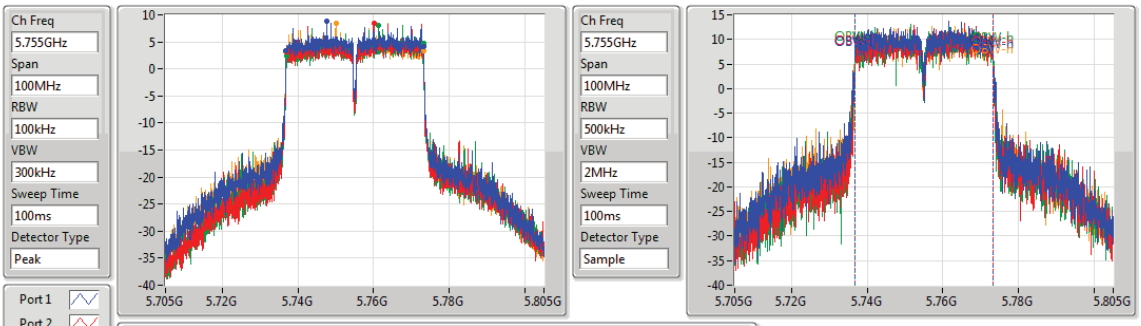


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40M	5.2101G	5.2501G	36.282M	5.211909G	5.248191G	Inf	1
40.4M	5.21005G	5.25045G	36.182M	5.211959G	5.248141G	Inf	2
39.6M	5.21025G	5.24985G	36.232M	5.211959G	5.248191G	Inf	3
40.05M	5.21G	5.25005G	36.282M	5.211959G	5.248241G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5755MHz

21/08/2018

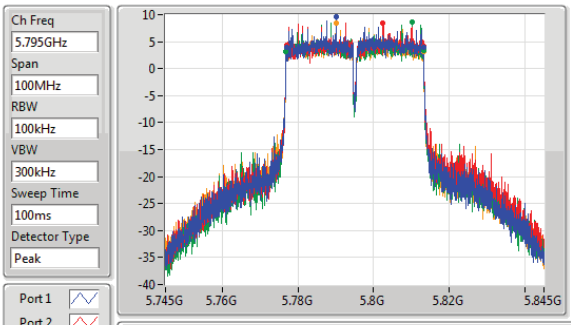


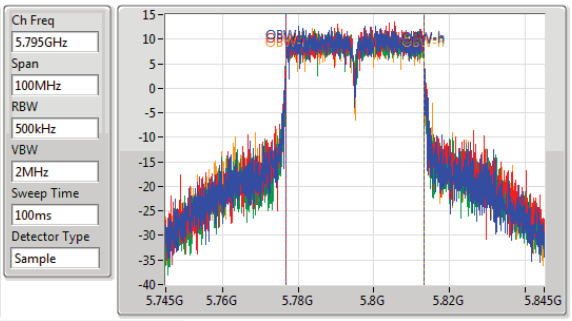
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	5.73685G	5.7732G	36.532M	5.736759G	5.773291G	500k	1
36.3M	5.7369G	5.7732G	36.382M	5.736859G	5.773241G	500k	2
36.3M	5.7369G	5.7732G	36.382M	5.736859G	5.773241G	500k	3
36.35M	5.73685G	5.7732G	36.582M	5.736709G	5.773291G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5795MHz

21/08/2018



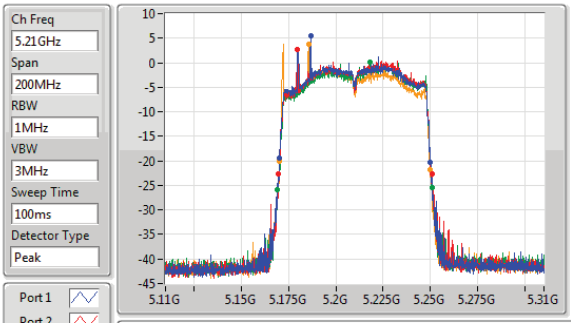


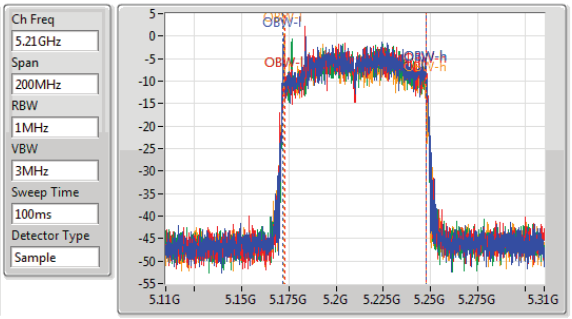
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.7769G	5.8132G	36.332M	5.776859G	5.813191G	500k	1
36.3M	5.7769G	5.8132G	36.482M	5.776809G	5.813291G	500k	2
36.35M	5.77685G	5.8132G	36.382M	5.776859G	5.813241G	500k	3
36.35M	5.77685G	5.8132G	36.482M	5.776759G	5.813241G	500k	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5210MHz

21/08/2018



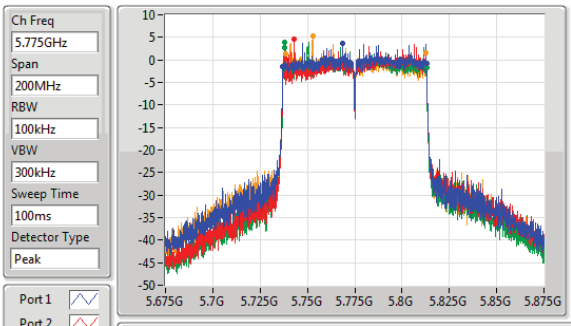


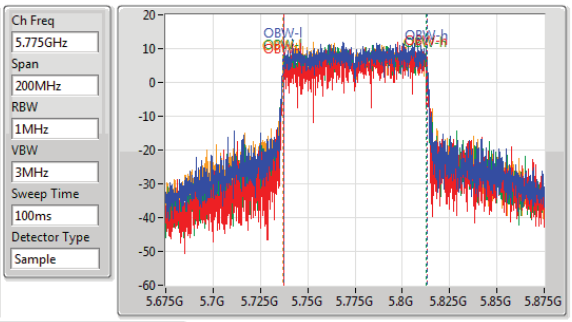
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80M	5.1701G	5.2501G	75.862M	5.171719G	5.247581G	Inf	1
81M	5.1697G	5.2507G	74.863M	5.172719G	5.247581G	Inf	2
81.9M	5.1692G	5.2511G	74.963M	5.172819G	5.247781G	Inf	3
79.9M	5.1701G	5.25G	75.362M	5.172219G	5.247581G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5775MHz

21/08/2018





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.3M	5.7369G	5.8132G	75.862M	5.737119G	5.812981G	500k	1
74.5M	5.7387G	5.8132G	75.862M	5.737219G	5.813081G	500k	2
75.1M	5.7378G	5.8129G	75.662M	5.737219G	5.812881G	500k	3
73.8M	5.7387G	5.8125G	75.762M	5.737019G	5.812781G	500k	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.8M	17.816M	17M8D1D	21.275M	17.741M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.45M	36.332M	36M3D1D	39.5M	36.232M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	80.7M	75.362M	75M4D1D	80.1M	75.162M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.6M	17.791M	17M8D1D	17.55M	17.716M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	36.35M	36.332M	36M3D1D	36.3M	36.182M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	76.4M	75.862M	75M9D1D	71.6M	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

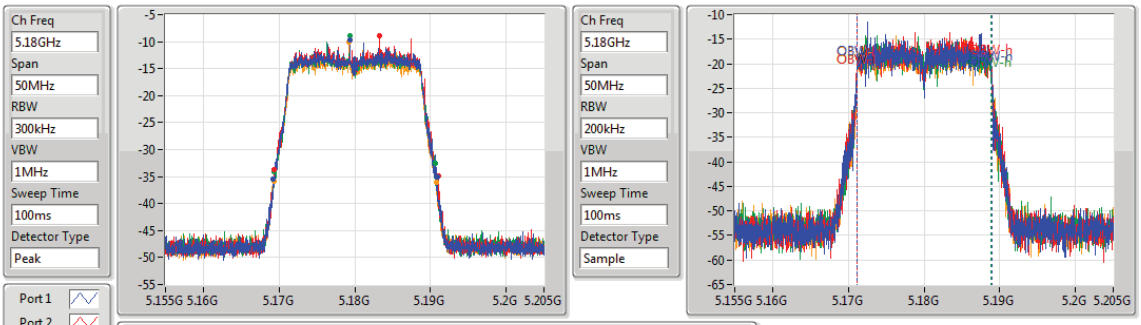
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.65M	17.766M	21.8M	17.816M	21.275M	17.791M	21.35M	17.766M
5200MHz	Pass	Inf	21.425M	17.791M	21.65M	17.766M	21.675M	17.741M	21.525M	17.741M
5240MHz	Pass	Inf	21.575M	17.791M	21.75M	17.791M	21.775M	17.766M	21.575M	17.766M
5745MHz	Pass	500k	17.6M	17.716M	17.575M	17.766M	17.575M	17.766M	17.575M	17.766M
5785MHz	Pass	500k	17.6M	17.741M	17.575M	17.741M	17.575M	17.741M	17.6M	17.741M
5825MHz	Pass	500k	17.575M	17.791M	17.6M	17.791M	17.55M	17.716M	17.575M	17.766M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.25M	36.332M	39.5M	36.282M	40M	36.282M	40.05M	36.282M
5230MHz	Pass	Inf	40.45M	36.282M	40M	36.232M	39.8M	36.282M	40.2M	36.282M
5755MHz	Pass	500k	36.3M	36.332M	36.3M	36.182M	36.35M	36.182M	36.35M	36.232M
5795MHz	Pass	500k	36.3M	36.232M	36.3M	36.182M	36.3M	36.232M	36.3M	36.232M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80.1M	75.262M	80.7M	75.162M	80.5M	75.362M	80.7M	75.362M
5775MHz	Pass	500k	76.4M	75.862M	71.6M	75.762M	76.4M	75.762M	74.7M	75.862M

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

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5180MHz

21/08/2018

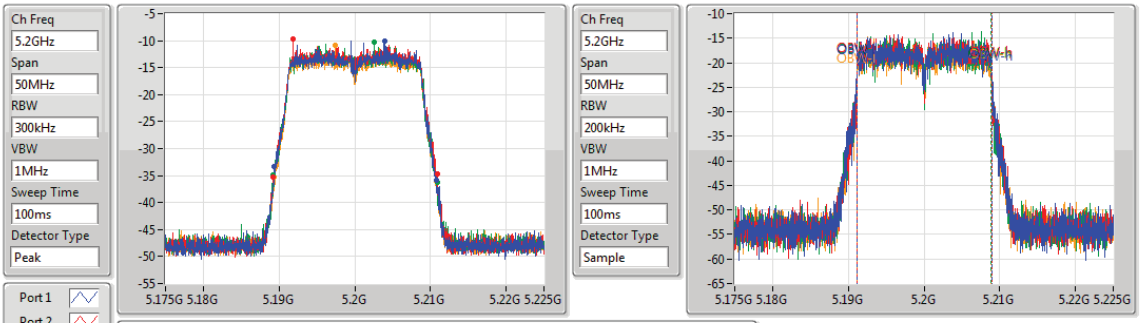


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.65M	5.16925G	5.1909G	17.766M	5.171154G	5.188921G	Inf	1
21.8M	5.169325G	5.191125G	17.816M	5.171104G	5.188921G	Inf	2
21.275M	5.1694G	5.190675G	17.791M	5.171104G	5.188896G	Inf	3
21.35M	5.169375G	5.190725G	17.766M	5.171154G	5.188921G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5200MHz

21/08/2018

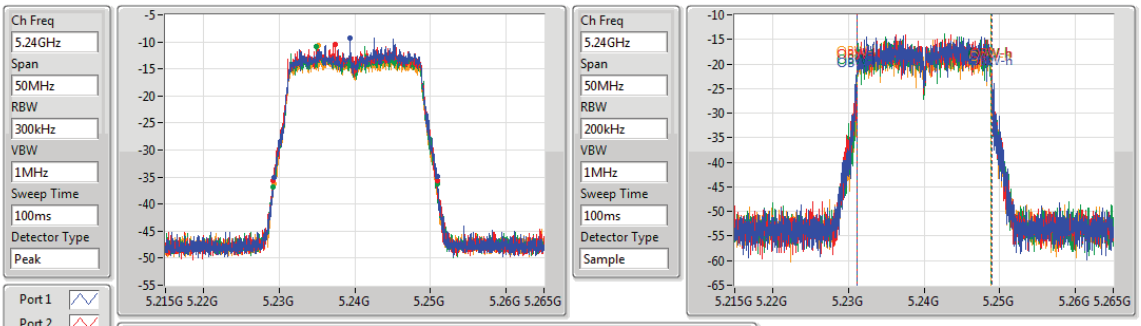


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.425M	5.189325G	5.21075G	17.791M	5.191129G	5.208921G	Inf	1
21.65M	5.189275G	5.210925G	17.766M	5.191154G	5.208921G	Inf	2
21.675M	5.18925G	5.210925G	17.741M	5.191154G	5.208896G	Inf	3
21.525M	5.1893G	5.210825G	17.741M	5.191129G	5.208871G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5240MHz

21/08/2018

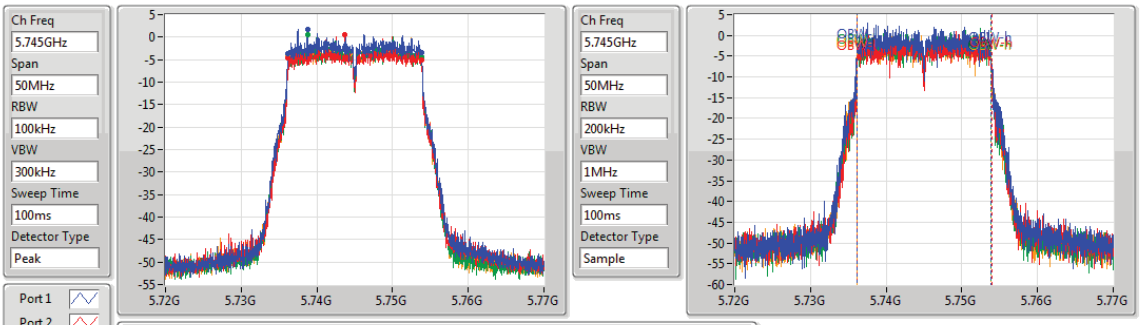


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.575M	5.229325G	5.2509G	17.791M	5.231129G	5.248921G	Inf	1
21.75M	5.22915G	5.2509G	17.791M	5.231129G	5.248921G	Inf	2
21.775M	5.229175G	5.25095G	17.766M	5.231129G	5.248896G	Inf	3
21.575M	5.2293G	5.250875G	17.766M	5.231129G	5.248896G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5745MHz

21/08/2018

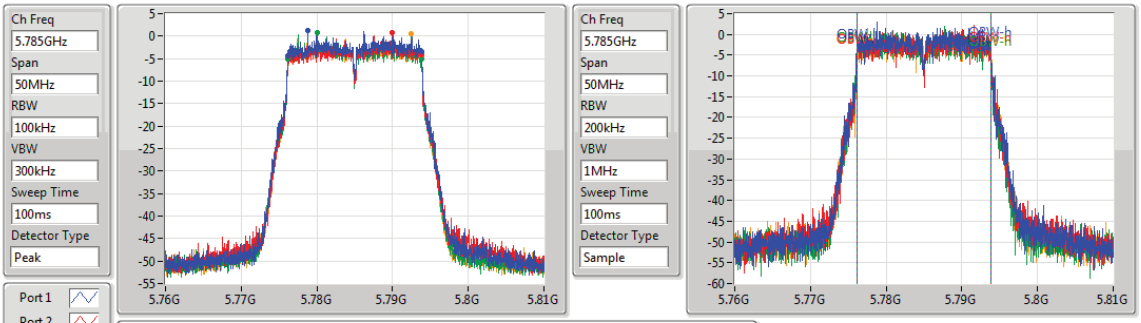


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.7362G	5.7538G	17.716M	5.736154G	5.753871G	500k	1
17.575M	5.736225G	5.7538G	17.766M	5.736154G	5.753921G	500k	2
17.575M	5.736225G	5.7538G	17.766M	5.736104G	5.753871G	500k	3
17.575M	5.736225G	5.7538G	17.766M	5.736104G	5.753871G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5785MHz

21/08/2018

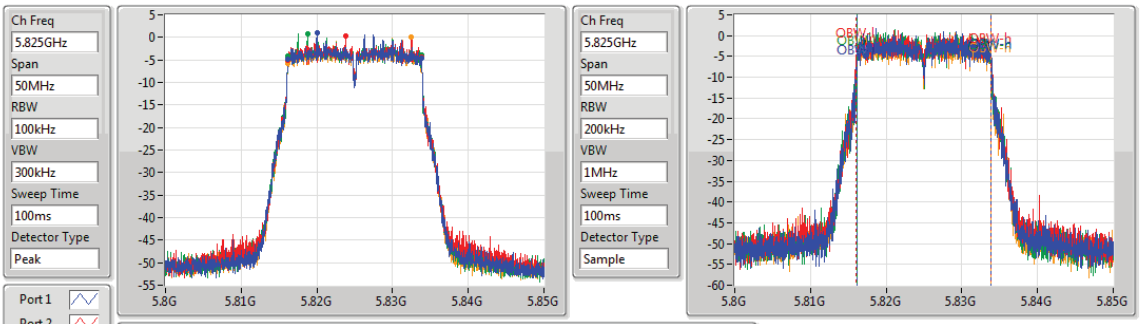


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.7762G	5.7938G	17.741M	5.776129G	5.793871G	500k	1
17.575M	5.776225G	5.7938G	17.741M	5.776129G	5.793871G	500k	2
17.575M	5.776225G	5.7938G	17.741M	5.776104G	5.793846G	500k	3
17.6M	5.7762G	5.7938G	17.741M	5.776154G	5.793896G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5825MHz

21/08/2018

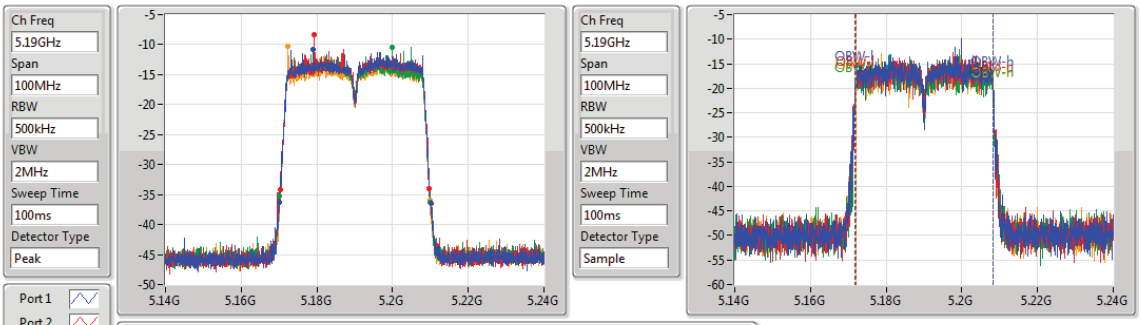


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.8162G	5.833775G	17.791M	5.816104G	5.833896G	500k	1
17.6M	5.8162G	5.8338G	17.791M	5.816079G	5.833871G	500k	2
17.55M	5.816225G	5.833775G	17.716M	5.816104G	5.833821G	500k	3
17.575M	5.8162G	5.833775G	17.766M	5.816104G	5.833871G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5190MHz

21/08/2018

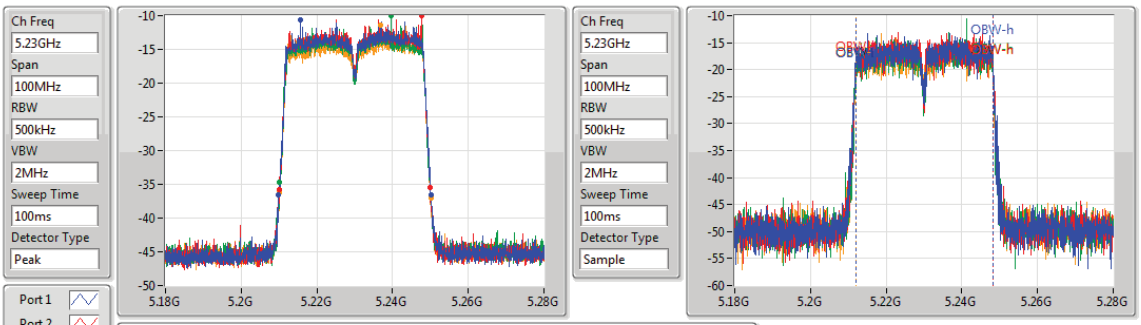


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.25M	5.16995G	5.2102G	36.332M	5.171859G	5.208191G	Inf	1
39.5M	5.17025G	5.20975G	36.282M	5.171909G	5.208191G	Inf	2
40M	5.17005G	5.21005G	36.282M	5.171859G	5.208141G	Inf	3
40.05M	5.16995G	5.21G	36.282M	5.171909G	5.208191G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5230MHz

21/08/2018

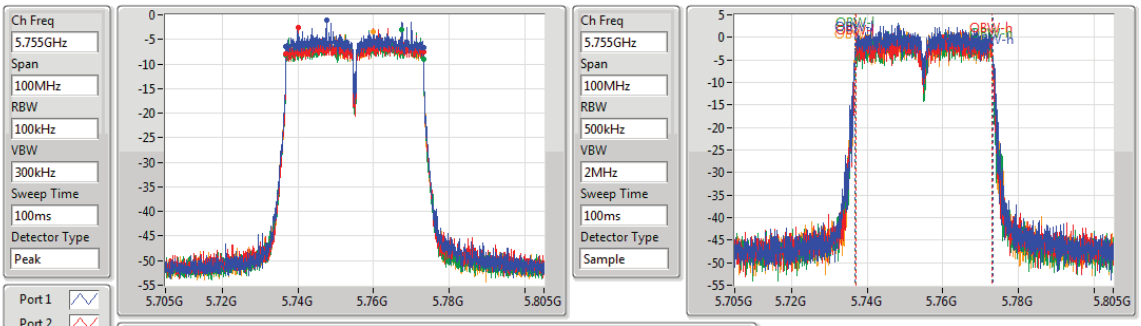


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.45M	5.20975G	5.2502G	36.282M	5.211909G	5.248191G	Inf	1
40M	5.20995G	5.24995G	36.232M	5.211959G	5.248191G	Inf	2
39.8M	5.21015G	5.24995G	36.282M	5.211909G	5.248191G	Inf	3
40.2M	5.21005G	5.25025G	36.282M	5.211909G	5.248191G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5755MHz

21/08/2018

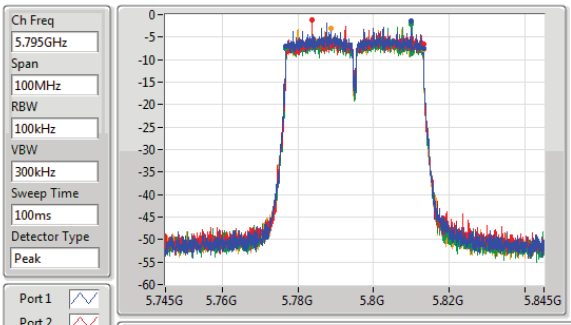


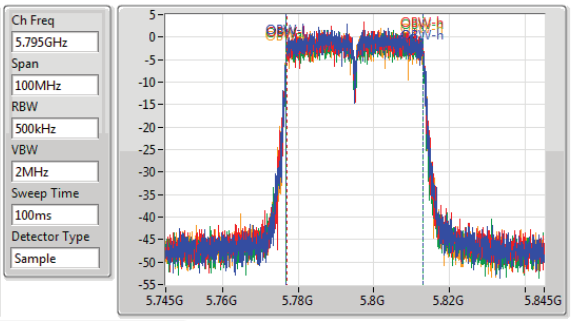
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.73685G	5.77315G	36.332M	5.736809G	5.773141G	500k	1
36.3M	5.73685G	5.77315G	36.182M	5.736909G	5.773091G	500k	2
36.35M	5.73685G	5.7732G	36.182M	5.736909G	5.773091G	500k	3
36.35M	5.73685G	5.7732G	36.232M	5.736859G	5.773091G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5795MHz

21/08/2018



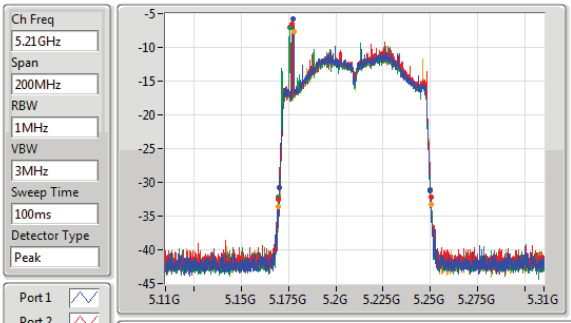


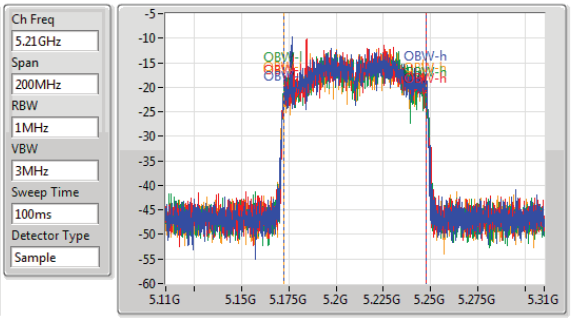
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.77685G	5.81315G	36.232M	5.776859G	5.813091G	500k	1
36.3M	5.77685G	5.81315G	36.182M	5.776909G	5.813091G	500k	2
36.3M	5.77685G	5.81315G	36.232M	5.776859G	5.813091G	500k	3
36.3M	5.77685G	5.81315G	36.232M	5.776859G	5.813091G	500k	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5210MHz

21/08/2018



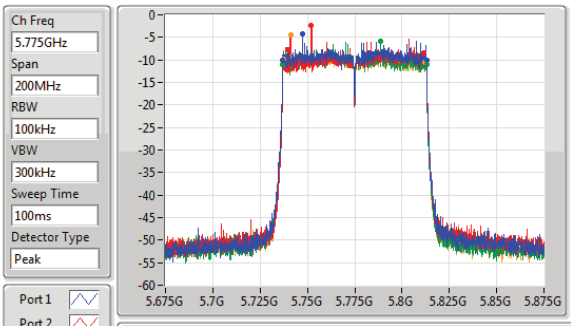


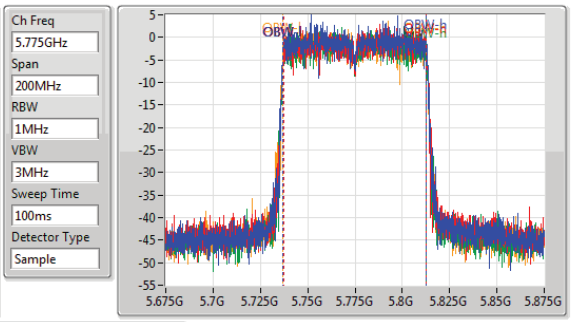
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.1M	5.1699G	5.25G	75.262M	5.172419G	5.247681G	Inf	1
80.7M	5.1697G	5.2504G	75.162M	5.172519G	5.247681G	Inf	2
80.5M	5.1696G	5.2501G	75.362M	5.172319G	5.247681G	Inf	3
80.7M	5.1697G	5.2504G	75.362M	5.172419G	5.247781G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5775MHz

21/08/2018





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.4M	5.7368G	5.8132G	75.862M	5.737019G	5.812881G	500k	1
71.6M	5.7399G	5.8115G	75.762M	5.737119G	5.812881G	500k	2
76.4M	5.7368G	5.8132G	75.762M	5.737019G	5.812781G	500k	3
74.7M	5.7372G	5.8119G	75.862M	5.737019G	5.812881G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	18.88	0.07727	20.88	0.12246
802.11ac VHT20_Nss1,(MCS0)_4TX	18.94	0.07834	20.94	0.12417
802.11ac VHT40_Nss1,(MCS0)_4TX	18.85	0.07674	20.85	0.12162
802.11ac VHT80_Nss1,(MCS0)_4TX	18.86	0.07691	20.86	0.12190
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	29.31	0.85310	31.31	1.35207
802.11ac VHT20_Nss1,(MCS0)_4TX	29.19	0.82985	31.19	1.31522
802.11ac VHT40_Nss1,(MCS0)_4TX	28.53	0.71285	30.53	1.12980
802.11ac VHT80_Nss1,(MCS0)_4TX	26.13	0.41020	28.13	0.65013

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.00	13.04	12.88	12.64	12.87	18.88	30.00	20.88	36.00
5200MHz	Pass	2.00	12.96	12.80	12.74	12.86	18.86	30.00	20.86	36.00
5240MHz	Pass	2.00	12.84	12.80	12.56	12.91	18.80	30.00	20.80	36.00
5745MHz	Pass	2.00	23.86	23.34	22.06	23.69	29.31	30.00	31.31	36.00
5785MHz	Pass	2.00	23.75	23.32	22.09	23.68	29.28	30.00	31.28	36.00
5825MHz	Pass	2.00	23.70	23.19	21.78	23.59	29.15	30.00	31.15	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.00	12.77	12.75	12.86	13.11	18.90	30.00	20.90	36.00
5200MHz	Pass	2.00	12.72	12.57	12.83	13.12	18.84	30.00	20.84	36.00
5240MHz	Pass	2.00	12.84	12.96	12.70	13.16	18.94	30.00	20.94	36.00
5745MHz	Pass	2.00	22.96	23.47	22.26	23.84	29.19	30.00	31.19	36.00
5785MHz	Pass	2.00	23.00	23.40	22.13	23.76	29.13	30.00	31.13	36.00
5825MHz	Pass	2.00	23.05	23.29	21.92	23.69	29.06	30.00	31.06	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.00	12.82	12.95	12.58	12.94	18.85	30.00	20.85	36.00
5230MHz	Pass	2.00	12.85	12.73	12.52	12.95	18.79	30.00	20.79	36.00
5755MHz	Pass	2.00	21.30	21.89	20.67	21.54	27.39	30.00	29.39	36.00
5795MHz	Pass	2.00	22.57	22.90	21.57	22.88	28.53	30.00	30.53	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	2.00	12.90	12.89	12.63	12.92	18.86	30.00	20.86	36.00
5775MHz	Pass	2.00	19.80	20.36	19.88	20.37	26.13	30.00	28.13	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)_4TX	8.85	0.00767	20.99	0.12560
802.11ac VHT20_Nss1,(MCS0)_4TX	8.75	0.00750	20.89	0.12274
802.11ac VHT40_Nss1,(MCS0)_4TX	8.75	0.00750	20.89	0.12274
802.11ac VHT80_Nss1,(MCS0)_4TX	8.59	0.00723	20.73	0.11830
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.17	0.20749	35.31	3.39625
802.11ac VHT20_Nss1,(MCS0)_4TX	23.39	0.21827	35.53	3.57273
802.11ac VHT40_Nss1,(MCS0)_4TX	23.79	0.23933	35.93	3.91742
802.11ac VHT80_Nss1,(MCS0)_4TX	21.80	0.15136	33.94	2.47742

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	12.14	2.49	2.67	2.48	2.77	8.62	23.86	20.76	36.00
5200MHz	Pass	12.14	2.91	2.69	2.75	2.96	8.85	23.86	20.99	36.00
5240MHz	Pass	12.14	2.82	2.74	2.53	2.94	8.78	23.86	20.92	36.00
5745MHz	Pass	12.14	16.75	17.03	17.18	17.01	23.02	23.86	35.16	36.00
5785MHz	Pass	12.14	16.67	17.28	17.30	17.23	23.15	23.86	35.29	36.00
5825MHz	Pass	12.14	16.68	17.41	17.11	17.37	23.17	23.86	35.31	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	12.14	2.47	2.63	2.63	2.99	8.70	23.86	20.84	36.00
5200MHz	Pass	12.14	2.57	2.42	2.57	3.06	8.68	23.86	20.82	36.00
5240MHz	Pass	12.14	2.70	2.50	2.53	3.14	8.75	23.86	20.89	36.00
5745MHz	Pass	12.14	16.69	17.49	16.82	17.25	23.10	23.86	35.24	36.00
5785MHz	Pass	12.14	16.91	17.45	17.32	17.49	23.32	23.86	35.46	36.00
5825MHz	Pass	12.14	16.83	17.71	17.28	17.62	23.39	23.86	35.53	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	12.14	2.34	2.49	3.01	3.04	8.75	23.86	20.89	36.00
5230MHz	Pass	12.14	2.27	2.57	2.67	2.93	8.64	23.86	20.78	36.00
5755MHz	Pass	12.14	17.30	18.12	17.62	17.99	23.79	23.86	35.93	36.00
5795MHz	Pass	12.14	16.97	17.99	17.58	18.05	23.69	23.86	35.83	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	12.14	2.56	2.78	2.25	2.67	8.59	23.86	20.73	36.00
5775MHz	Pass	12.14	15.38	15.91	15.69	16.10	21.80	23.86	33.94	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)_4TX	18.95	0.07852	20.95	0.12445
802.11ac VHT20_Nss1,(MCS0)_4TX	18.87	0.07709	20.87	0.12218
802.11ac VHT40_Nss1,(MCS0)_4TX	18.92	0.07798	20.92	0.12359
802.11ac VHT80_Nss1,(MCS0)_4TX	18.88	0.07727	20.88	0.12246
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	29.96	0.99083	31.96	1.57036
802.11ac VHT20_Nss1,(MCS0)_4TX	29.90	0.97724	31.90	1.54882
802.11ac VHT40_Nss1,(MCS0)_4TX	29.98	0.99541	31.98	1.57761
802.11ac VHT80_Nss1,(MCS0)_4TX	26.28	0.42462	28.28	0.67298

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.00	13.02	13.05	13.11	12.52	18.95	30.00	20.95	36.00
5200MHz	Pass	2.00	13.18	12.96	12.92	12.56	18.93	30.00	20.93	36.00
5240MHz	Pass	2.00	12.95	12.90	12.85	12.40	18.80	30.00	20.80	36.00
5745MHz	Pass	2.00	24.07	23.75	23.96	23.99	29.96	30.00	31.96	36.00
5785MHz	Pass	2.00	23.97	23.81	23.93	24.01	29.95	30.00	31.95	36.00
5825MHz	Pass	2.00	23.75	23.69	23.69	23.84	29.76	30.00	31.76	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.00	13.24	12.44	13.18	12.06	18.78	30.00	20.78	36.00
5200MHz	Pass	2.00	13.21	12.57	13.29	12.02	18.82	30.00	20.82	36.00
5240MHz	Pass	2.00	13.24	12.74	13.28	12.00	18.87	30.00	20.87	36.00
5745MHz	Pass	2.00	23.99	23.40	24.09	24.00	29.90	30.00	31.90	36.00
5785MHz	Pass	2.00	23.86	23.45	24.12	23.88	29.85	30.00	31.85	36.00
5825MHz	Pass	2.00	23.66	23.52	24.05	23.76	29.77	30.00	31.77	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.00	13.50	12.25	13.61	11.84	18.89	30.00	20.89	36.00
5230MHz	Pass	2.00	13.11	13.15	12.87	12.44	18.92	30.00	20.92	36.00
5755MHz	Pass	2.00	22.89	22.90	22.65	22.56	28.77	30.00	30.77	36.00
5795MHz	Pass	2.00	24.05	24.16	23.88	23.73	29.98	30.00	31.98	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	2.00	13.32	12.23	13.35	12.44	18.88	30.00	20.88	36.00
5775MHz	Pass	2.00	20.44	20.30	20.02	20.28	26.28	30.00	28.28	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)_4TX	8.85	0.00767	20.99	0.12560
802.11ac VHT20_Nss1,(MCS0)_4TX	8.82	0.00762	20.96	0.12474
802.11ac VHT40_Nss1,(MCS0)_4TX	8.79	0.00757	20.93	0.12388
802.11ac VHT80_Nss1,(MCS0)_4TX	8.72	0.00745	20.86	0.12190
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.76	0.23768	35.90	3.89045
802.11ac VHT20_Nss1,(MCS0)_4TX	23.81	0.24044	35.95	3.93550
802.11ac VHT40_Nss1,(MCS0)_4TX	23.84	0.24210	35.98	3.96278
802.11ac VHT80_Nss1,(MCS0)_4TX	23.67	0.23281	35.81	3.81066

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	12.14	3.07	3.10	2.50	2.52	8.83	23.86	20.97	36.00
5200MHz_TnomVnom	Pass	12.14	3.02	3.01	2.82	2.45	8.85	23.86	20.99	36.00
5240MHz_TnomVnom	Pass	12.14	2.80	2.86	2.70	2.25	8.68	23.86	20.82	36.00
5745MHz_TnomVnom	Pass	12.14	18.23	17.57	17.52	17.55	23.75	23.86	35.89	36.00
5785MHz_TnomVnom	Pass	12.14	17.99	17.67	17.46	17.46	23.67	23.86	35.81	36.00
5825MHz_TnomVnom	Pass	12.14	18.06	17.66	17.46	17.76	23.76	23.86	35.90	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	12.14	3.17	2.46	3.34	2.03	8.80	23.86	20.94	36.00
5200MHz_TnomVnom	Pass	12.14	3.09	2.68	3.32	2.01	8.82	23.86	20.96	36.00
5240MHz_TnomVnom	Pass	12.14	3.34	2.71	2.95	2.05	8.81	23.86	20.95	36.00
5745MHz_TnomVnom	Pass	12.14	18.04	17.33	17.97	17.52	23.75	23.86	35.89	36.00
5785MHz_TnomVnom	Pass	12.14	17.98	17.44	17.82	17.26	23.66	23.86	35.80	36.00
5825MHz_TnomVnom	Pass	12.14	18.02	17.54	17.96	17.60	23.81	23.86	35.95	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	12.14	3.18	2.11	3.51	1.82	8.73	23.86	20.87	36.00
5230MHz_TnomVnom	Pass	12.14	3.50	2.23	3.19	1.99	8.79	23.86	20.93	36.00
5755MHz_TnomVnom	Pass	12.14	18.39	17.80	17.41	17.63	23.84	23.86	35.98	36.00
5795MHz_TnomVnom	Pass	12.14	18.15	17.98	17.22	17.68	23.79	23.86	35.93	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	12.14	2.98	2.29	3.27	2.16	8.72	23.86	20.86	36.00
5775MHz_TnomVnom	Pass	12.14	18.04	17.81	17.32	17.38	23.67	23.86	35.81	36.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	12.96	0.01977	20.98	0.12531
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	12.91	0.01954	20.93	0.12388
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	12.92	0.01959	20.94	0.12417
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	27.86	0.61094	35.88	3.87258
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	27.76	0.59704	35.78	3.78443
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	25.52	0.35645	33.54	2.25944

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8.02	7.13	6.28	7.02	7.16	12.93	27.98	20.95	36.00
5200MHz	Pass	8.02	7.07	6.78	6.54	6.83	12.83	27.98	20.85	36.00
5240MHz	Pass	8.02	7.20	6.71	7.33	6.44	12.96	27.98	20.98	36.00
5745MHz	Pass	8.02	21.47	22.16	21.38	22.19	27.84	27.98	35.86	36.00
5785MHz	Pass	8.02	21.96	22.10	21.48	21.78	27.86	27.98	35.88	36.00
5825MHz	Pass	8.02	21.32	22.32	21.46	22.00	27.81	27.98	35.83	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	8.02	6.81	6.45	6.68	7.53	12.91	27.98	20.93	36.00
5230MHz	Pass	8.02	7.13	7.02	6.86	6.53	12.91	27.98	20.93	36.00
5755MHz	Pass	8.02	21.06	21.27	20.40	21.14	27.00	27.98	35.02	36.00
5795MHz	Pass	8.02	21.54	22.06	21.16	22.14	27.76	27.98	35.78	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8.02	6.57	6.47	7.28	7.23	12.92	27.98	20.94	36.00
5775MHz	Pass	8.02	19.42	19.14	19.61	19.80	25.52	27.98	33.54	36.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	2.83	0.00192	20.99	0.12560
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	2.83	0.00192	20.99	0.12560
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	2.62	0.00183	20.78	0.11967
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.83	0.06067	35.99	3.97192
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	17.83	0.06067	35.99	3.97192
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	17.74	0.05943	35.90	3.89045

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	18.16	-3.62	-3.55	-3.33	-3.15	2.61	17.84	20.77	36.00
5200MHz	Pass	18.16	-3.45	-3.41	-3.19	-2.99	2.76	17.84	20.92	36.00
5240MHz	Pass	18.16	-3.35	-3.38	-3.03	-3.02	2.83	17.84	20.99	36.00
5745MHz	Pass	18.16	10.87	11.80	11.55	12.12	17.63	17.84	35.79	36.00
5785MHz	Pass	18.16	11.59	11.91	11.56	11.99	17.79	17.84	35.95	36.00
5825MHz	Pass	18.16	11.24	12.20	11.79	11.95	17.83	17.84	35.99	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	18.16	-3.29	-3.30	-3.11	-3.05	2.83	17.84	20.99	36.00
5230MHz	Pass	18.16	-3.36	-3.39	-2.92	-3.29	2.78	17.84	20.94	36.00
5755MHz	Pass	18.16	11.24	12.20	11.51	12.21	17.83	17.84	35.99	36.00
5795MHz	Pass	18.16	11.54	11.83	11.61	11.63	17.67	17.84	35.83	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	18.16	-3.54	-3.46	-3.25	-3.37	2.62	17.84	20.78	36.00
5775MHz	Pass	18.16	10.99	12.04	12.25	11.50	17.74	17.84	35.90	36.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	12.84	0.01923	20.86	0.12190
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	12.90	0.01950	20.92	0.12359
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	12.88	0.01941	20.90	0.12303
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	27.96	0.62517	35.98	3.96278
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	27.87	0.61235	35.89	3.88150
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	25.64	0.36644	33.66	2.32274

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8.02	7.35	7.04	6.69	6.08	12.84	27.98	20.86	36.00
5200MHz	Pass	8.02	6.95	7.28	6.60	6.33	12.83	27.98	20.85	36.00
5240MHz	Pass	8.02	6.84	7.49	6.74	5.75	12.77	27.98	20.79	36.00
5745MHz	Pass	8.02	22.65	21.11	21.85	21.90	27.93	27.98	35.95	36.00
5785MHz	Pass	8.02	22.18	21.46	21.71	21.83	27.82	27.98	35.84	36.00
5825MHz	Pass	8.02	22.04	21.81	22.01	21.91	27.96	27.98	35.98	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	8.02	7.20	7.26	6.76	6.22	12.90	27.98	20.92	36.00
5230MHz	Pass	8.02	7.22	7.38	6.76	6.01	12.89	27.98	20.91	36.00
5755MHz	Pass	8.02	22.20	21.64	21.48	22.03	27.87	27.98	35.89	36.00
5795MHz	Pass	8.02	22.13	21.93	21.47	21.50	27.79	27.98	35.81	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8.02	7.29	6.82	6.57	6.74	12.88	27.98	20.90	36.00
5775MHz	Pass	8.02	19.87	19.52	19.10	19.95	25.64	27.98	33.66	36.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	2.79	0.00190	20.95	0.12445
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	2.73	0.00187	20.89	0.12274
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	2.81	0.00191	20.97	0.12503
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.77	0.05984	35.93	3.91742
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	17.79	0.06012	35.95	3.93550
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	17.60	0.05754	35.76	3.76704

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	18.16	-3.30	-2.96	-3.21	-3.76	2.72	17.84	20.88	36.00
5200MHz	Pass	18.16	-3.29	-2.76	-3.12	-3.80	2.79	17.84	20.95	36.00
5240MHz	Pass	18.16	-3.01	-2.98	-3.60	-4.05	2.63	17.84	20.79	36.00
5745MHz	Pass	18.16	12.54	11.08	11.40	11.46	17.68	17.84	35.84	36.00
5785MHz	Pass	18.16	12.51	11.76	11.11	11.49	17.77	17.84	35.93	36.00
5825MHz	Pass	18.16	11.62	11.99	11.96	11.24	17.73	17.84	35.89	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	18.16	-3.11	-2.99	-3.29	-3.80	2.73	17.84	20.89	36.00
5230MHz	Pass	18.16	-2.96	-2.86	-3.49	-4.19	2.68	17.84	20.84	36.00
5755MHz	Pass	18.16	12.82	11.37	11.30	11.29	17.77	17.84	35.93	36.00
5795MHz	Pass	18.16	11.81	12.26	11.56	11.40	17.79	17.84	35.95	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	18.16	-3.02	-3.22	-3.48	-3.13	2.81	17.84	20.97	36.00
5775MHz	Pass	18.16	11.82	11.60	11.43	11.44	17.60	17.84	35.76	36.00

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)_4TX	6.07	14.09
802.11ac VHT20_Nss1,(MCS0)_4TX	6.09	14.11
802.11ac VHT40_Nss1,(MCS0)_4TX	3.09	11.11
802.11ac VHT80_Nss1,(MCS0)_4TX	1.07	9.09
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	14.86	22.88
802.11ac VHT20_Nss1,(MCS0)_4TX	14.66	22.68
802.11ac VHT40_Nss1,(MCS0)_4TX	11.11	19.13
802.11ac VHT80_Nss1,(MCS0)_4TX	5.95	13.97

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

Result

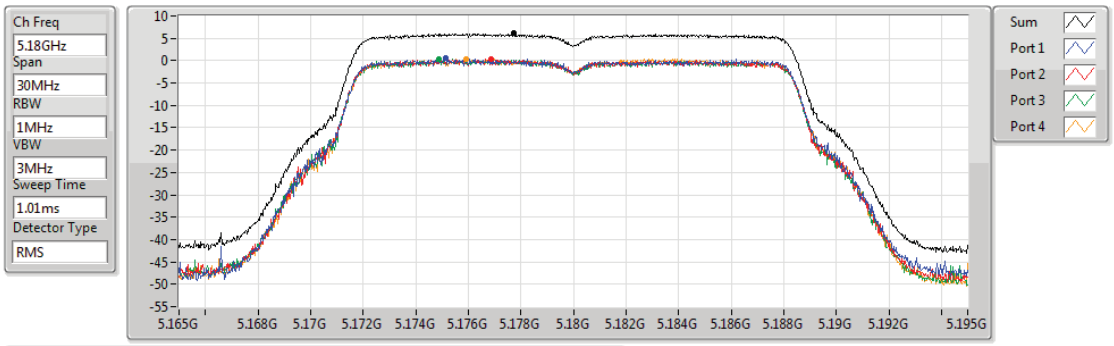
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8.02	0.50	0.41	0.42	0.43	6.07	14.98	14.09	23.00
5200MHz	Pass	8.02	0.33	0.22	0.13	0.61	6.07	14.98	14.09	23.00
5240MHz	Pass	8.02	0.54	0.48	0.15	0.59	6.03	14.98	14.05	23.00
5745MHz	Pass	8.02	9.85	9.34	7.97	9.53	14.86	27.98	22.88	36.00
5785MHz	Pass	8.02	9.72	9.13	7.87	9.66	14.74	27.98	22.76	36.00
5825MHz	Pass	8.02	9.58	9.06	7.64	9.51	14.64	27.98	22.66	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8.02	0.25	0.04	0.30	0.49	5.87	14.98	13.89	23.00
5200MHz	Pass	8.02	0.02	-0.06	0.27	0.30	5.74	14.98	13.76	23.00
5240MHz	Pass	8.02	0.24	0.52	0.08	0.93	6.09	14.98	14.11	23.00
5745MHz	Pass	8.02	8.90	9.06	8.07	9.52	14.47	27.98	22.49	36.00
5785MHz	Pass	8.02	8.78	9.25	8.00	9.40	14.66	27.98	22.68	36.00
5825MHz	Pass	8.02	9.02	8.83	7.66	9.17	14.32	27.98	22.34	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	8.02	-2.64	-2.62	-2.68	-2.70	3.08	14.98	11.10	23.00
5230MHz	Pass	8.02	-2.48	-2.67	-3.08	-2.35	3.09	14.98	11.11	23.00
5755MHz	Pass	8.02	4.69	5.03	3.48	4.70	10.15	27.98	18.17	36.00
5795MHz	Pass	8.02	5.76	5.95	4.90	5.91	11.11	27.98	19.13	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8.02	-4.93	-4.90	-5.07	-4.87	1.07	14.98	9.09	23.00
5775MHz	Pass	8.02	-0.14	0.32	-0.23	0.20	5.95	27.98	13.97	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)_4TX PSD

5180MHz

15/08/2018

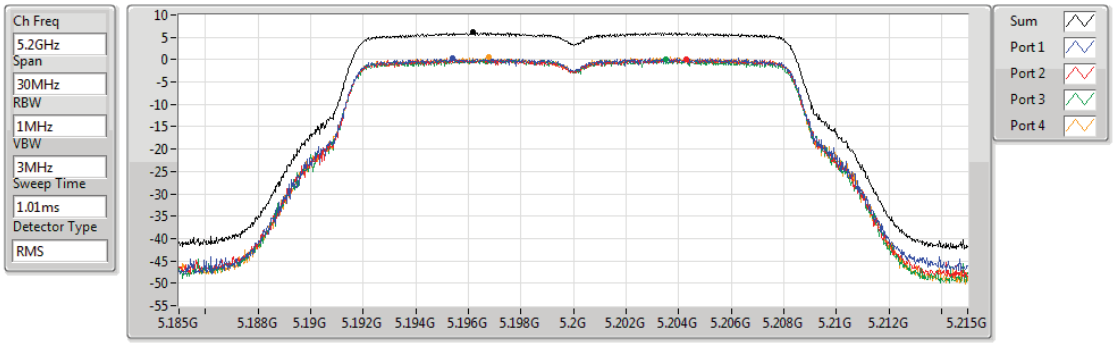


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.07	6.07	0.50	0.41	0.42	0.43

802.11a_Nss1,(6Mbps)_4TX PSD

5200MHz

15/08/2018

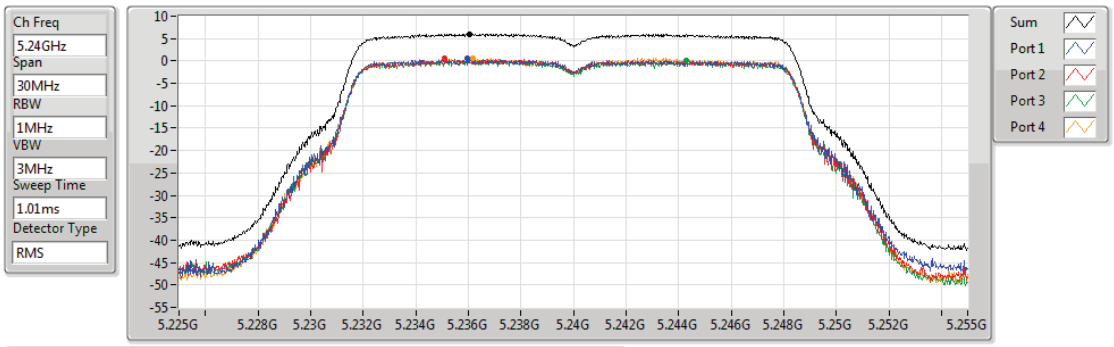


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.07	6.07	0.33	0.22	0.13	0.61

802.11a_Nss1,(6Mbps)_4TX PSD

5240MHz

15/08/2018

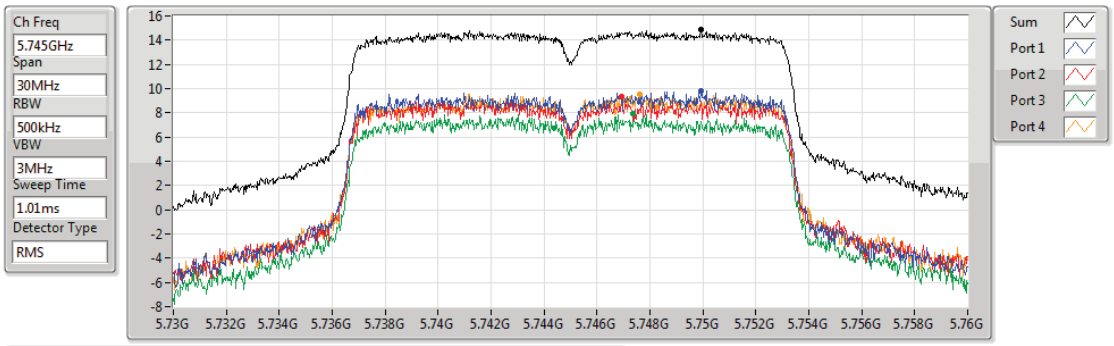


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.03	6.03	0.54	0.48	0.15	0.59

802.11a_Nss1,(6Mbps)_4TX PSD

5745MHz

14/08/2018

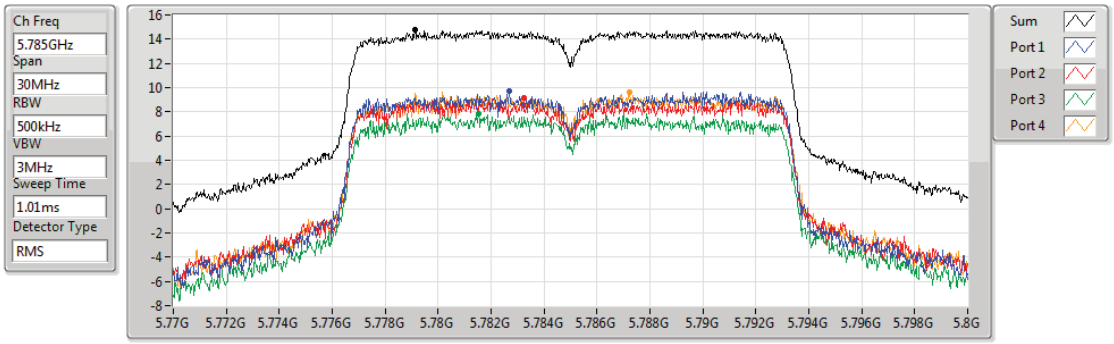


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.86	14.86	9.85	9.34	7.97	9.53

802.11a_Nss1,(6Mbps)_4TX PSD

5785MHz

14/08/2018

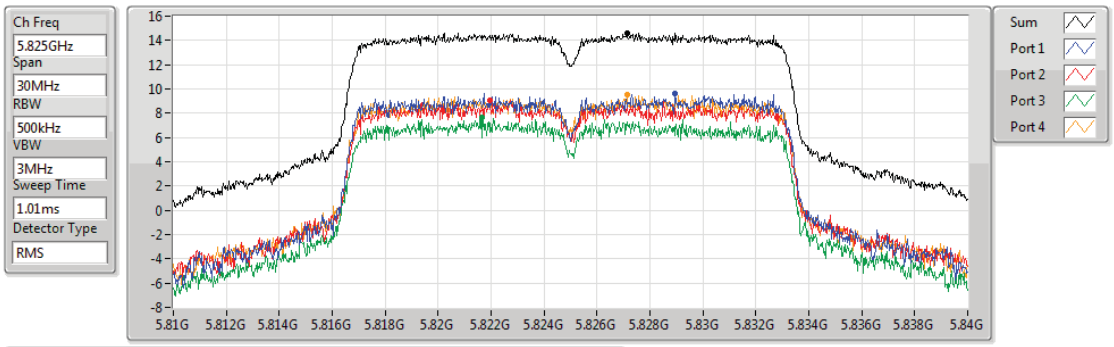


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.74	14.74	9.72	9.13	7.87	9.66

802.11a_Nss1,(6Mbps)_4TX PSD

5825MHz

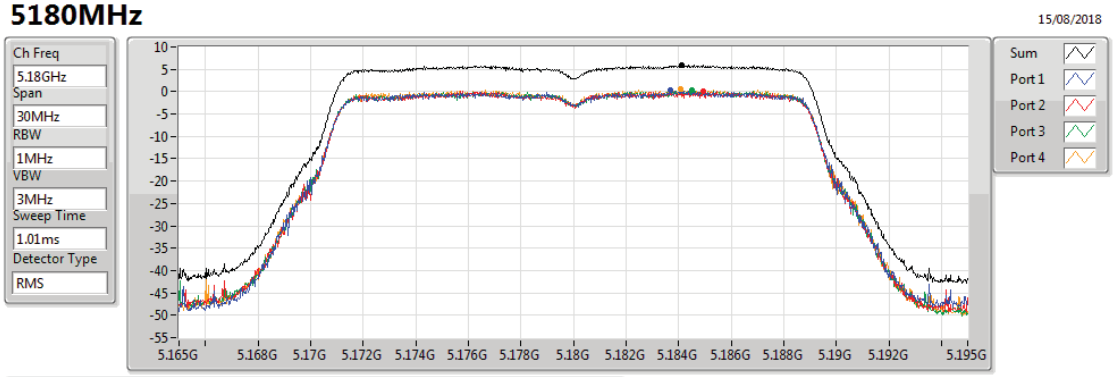
14/08/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.64	14.64	9.58	9.06	7.64	9.51

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

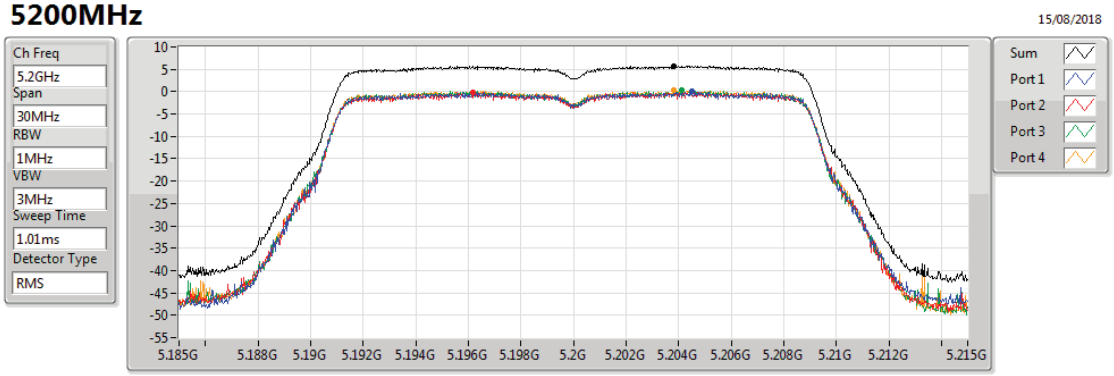
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.87	5.87	0.25	0.04	0.30	0.49

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

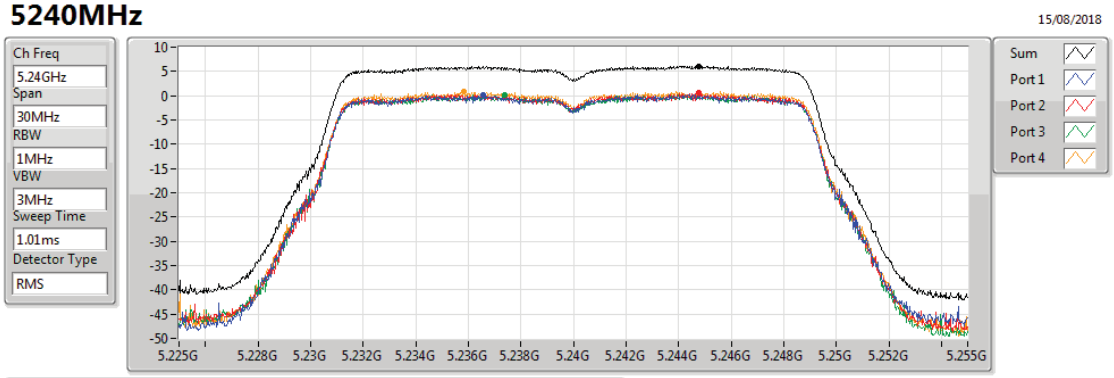
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.74	5.74	0.02	-0.06	0.27	0.30

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

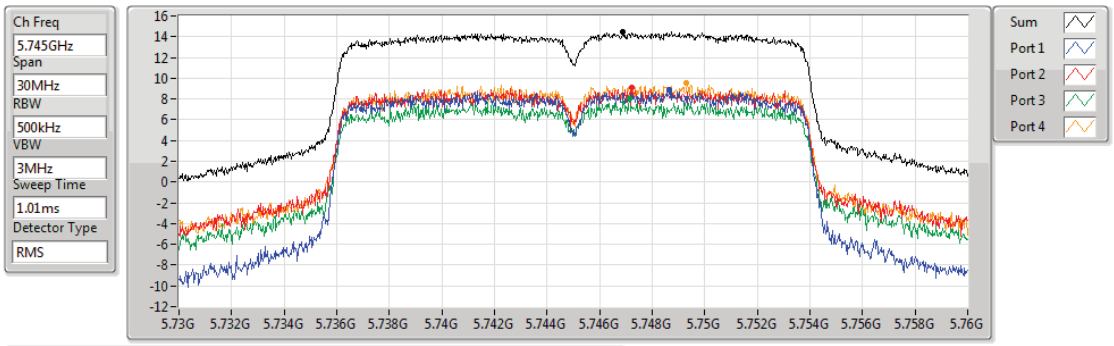
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.09	6.09	0.24	0.52	0.08	0.93

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

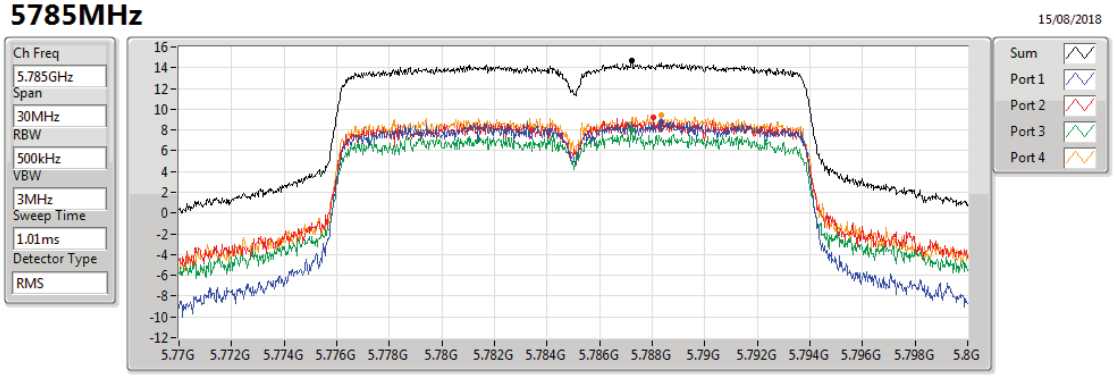
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.47	14.47	8.90	9.06	8.07	9.52

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

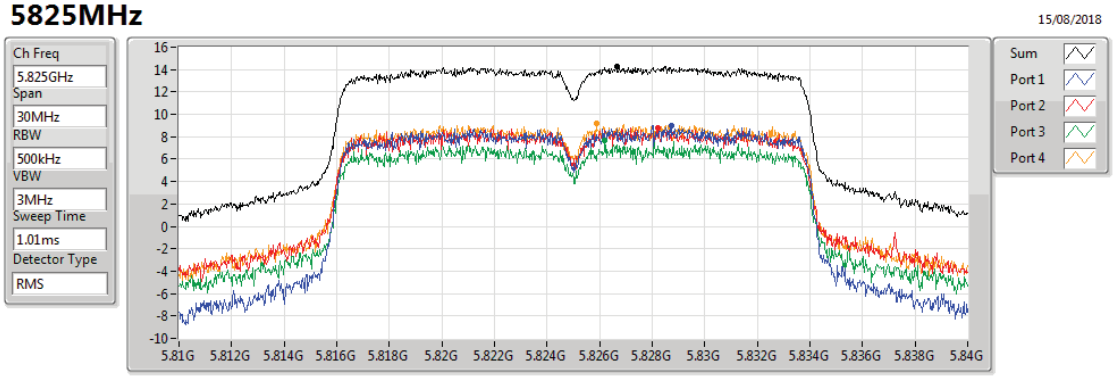
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.66	14.66	8.78	9.25	8.00	9.40

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5825MHz

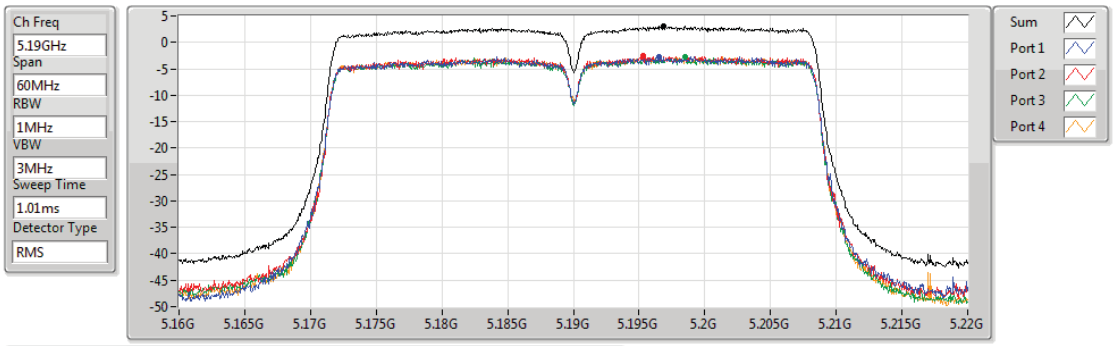


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.32	14.32	9.02	8.83	7.66	9.17

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5190MHz

15/08/2018

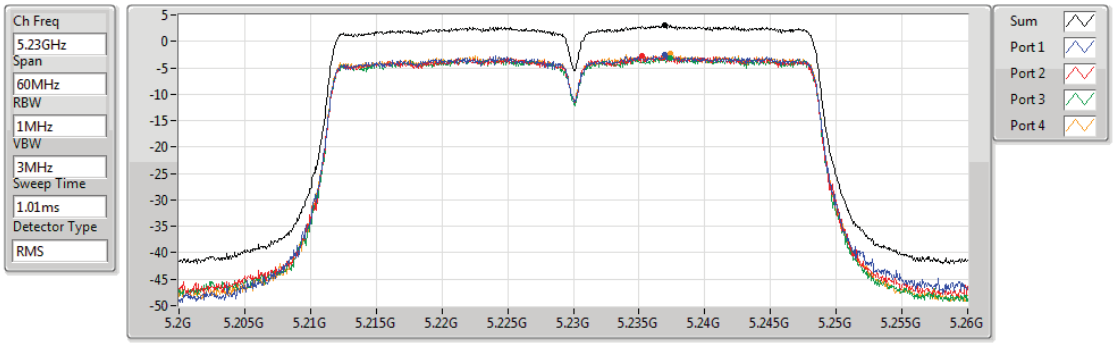


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.08	3.08	-2.64	-2.62	-2.68	-2.70

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5230MHz

15/08/2018

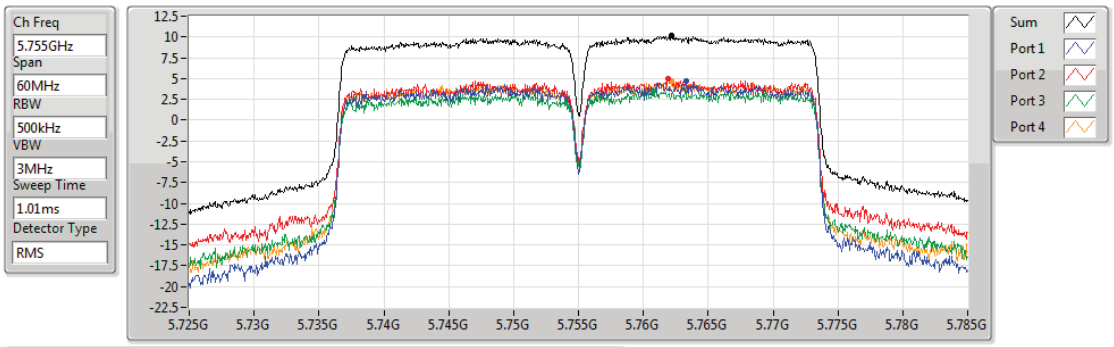


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.09	3.09	-2.48	-2.67	-3.08	-2.35

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5755MHz

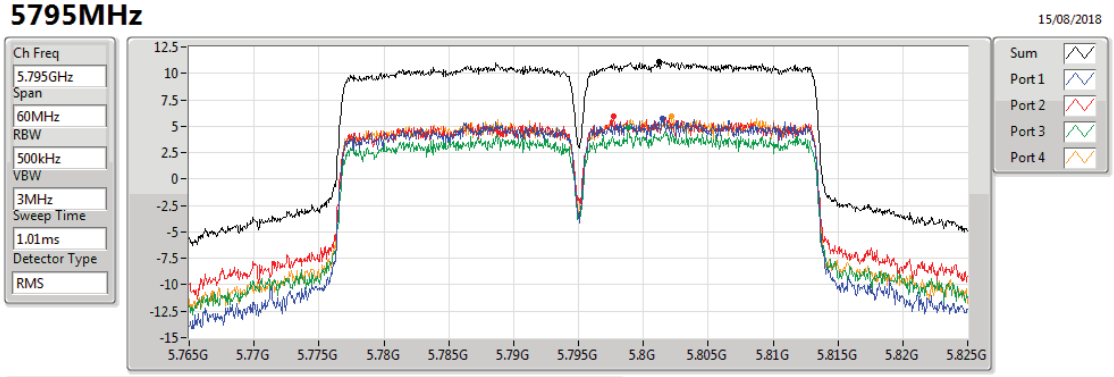
15/08/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.15	10.15	4.69	5.03	3.48	4.70

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

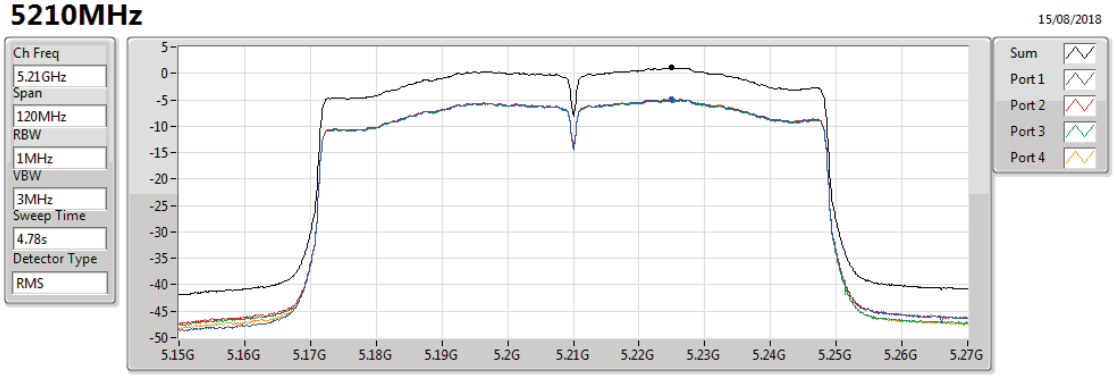
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.11	11.11	5.76	5.95	4.90	5.91

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

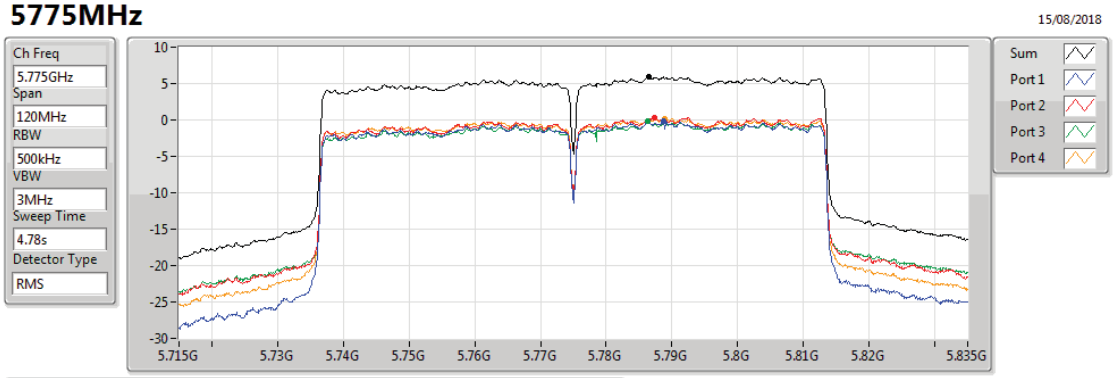
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.07	1.07	-4.93	-4.90	-5.07	-4.87

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.95	5.95	-0.14	0.32	-0.23	0.20

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	-3.78	14.38
802.11ac VHT20_Nss1,(MCS0)_4TX	-4.10	14.06
802.11ac VHT40_Nss1,(MCS0)_4TX	-7.15	11.01
802.11ac VHT80_Nss1,(MCS0)_4TX	-9.38	8.78
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	9.11	27.27
802.11ac VHT20_Nss1,(MCS0)_4TX	9.15	27.31
802.11ac VHT40_Nss1,(MCS0)_4TX	6.80	24.96
802.11ac VHT80_Nss1,(MCS0)_4TX	1.67	19.83

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

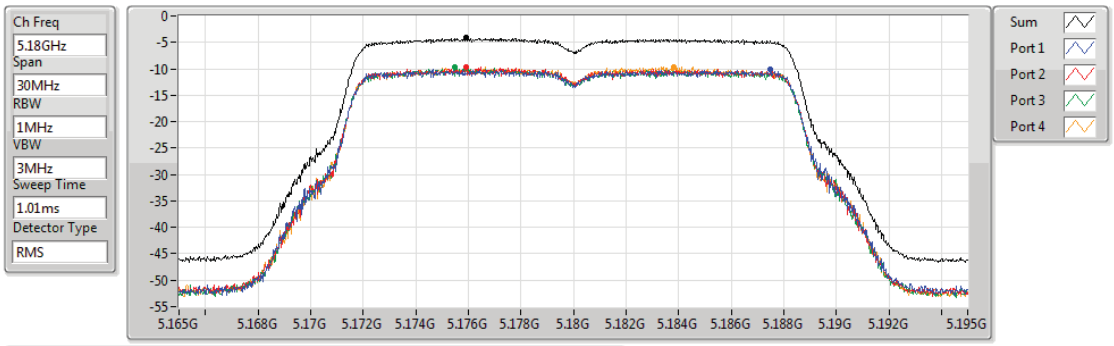
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	18.16	-10.13	-9.67	-9.63	-9.59	-4.12	4.84	14.04	23.00
5200MHz	Pass	18.16	-9.61	-9.81	-9.69	-9.38	-3.96	4.84	14.20	23.00
5240MHz	Pass	18.16	-9.35	-9.74	-9.72	-9.09	-3.78	4.84	14.38	23.00
5745MHz	Pass	18.16	3.33	3.15	3.50	3.23	8.85	17.84	27.01	36.00
5785MHz	Pass	18.16	3.09	3.70	3.38	3.60	9.11	17.84	27.27	36.00
5825MHz	Pass	18.16	3.05	4.01	3.16	3.79	9.11	17.84	27.27	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	18.16	-9.85	-10.06	-10.11	-9.56	-4.22	4.84	13.94	23.00
5200MHz	Pass	18.16	-9.95	-10.07	-10.13	-9.66	-4.10	4.84	14.06	23.00
5240MHz	Pass	18.16	-9.78	-9.88	-9.98	-9.59	-4.10	4.84	14.06	23.00
5745MHz	Pass	18.16	2.86	3.61	2.87	3.62	8.78	17.84	26.94	36.00
5785MHz	Pass	18.16	2.97	3.60	3.50	3.63	9.15	17.84	27.31	36.00
5825MHz	Pass	18.16	3.03	3.76	3.50	3.62	9.14	17.84	27.30	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	18.16	-13.17	-12.98	-12.83	-12.40	-7.18	4.84	10.98	23.00
5230MHz	Pass	18.16	-12.84	-12.68	-12.73	-12.58	-7.15	4.84	11.01	23.00
5755MHz	Pass	18.16	0.74	1.50	0.79	1.34	6.71	17.84	24.87	36.00
5795MHz	Pass	18.16	0.22	1.13	1.15	1.29	6.80	17.84	24.96	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	18.16	-15.39	-15.20	-15.70	-15.13	-9.38	4.84	8.78	23.00
5775MHz	Pass	18.16	-4.50	-4.00	-4.27	-3.93	1.67	17.84	19.83	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)_4TX PSD

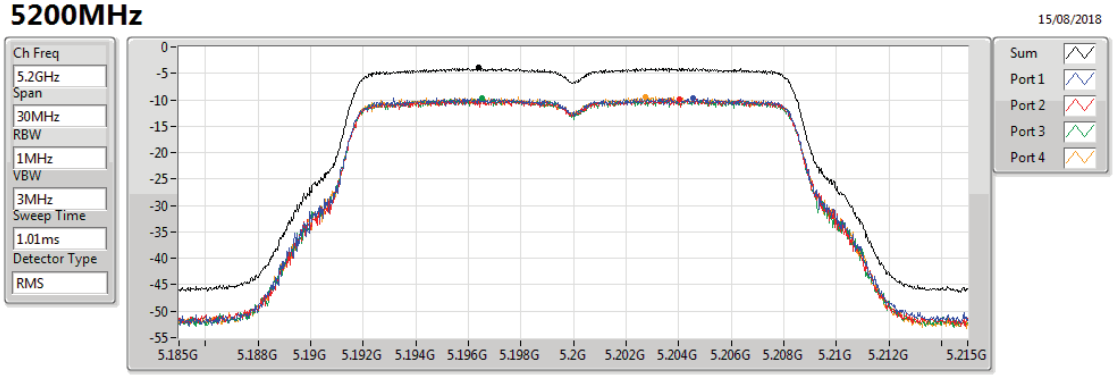
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.12	-4.12	-10.13	-9.67	-9.63	-9.59

802.11a_Nss1,(6Mbps)_4TX PSD

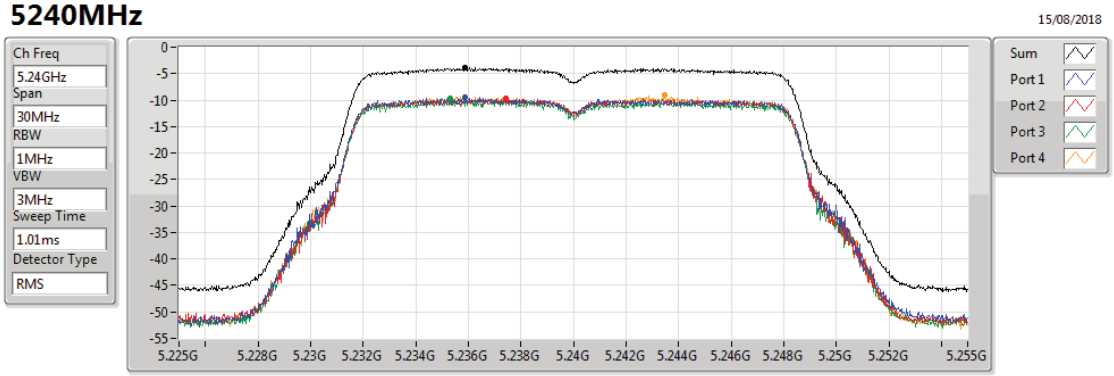
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.96	-3.96	-9.61	-9.81	-9.69	-9.38

802.11a_Nss1,(6Mbps)_4TX PSD

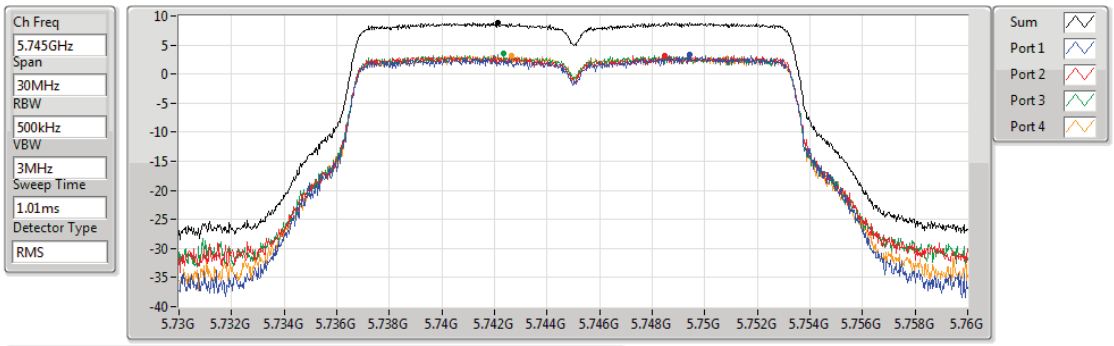
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.78	-3.78	-9.35	-9.74	-9.72	-9.09

802.11a_Nss1,(6Mbps)_4TX PSD

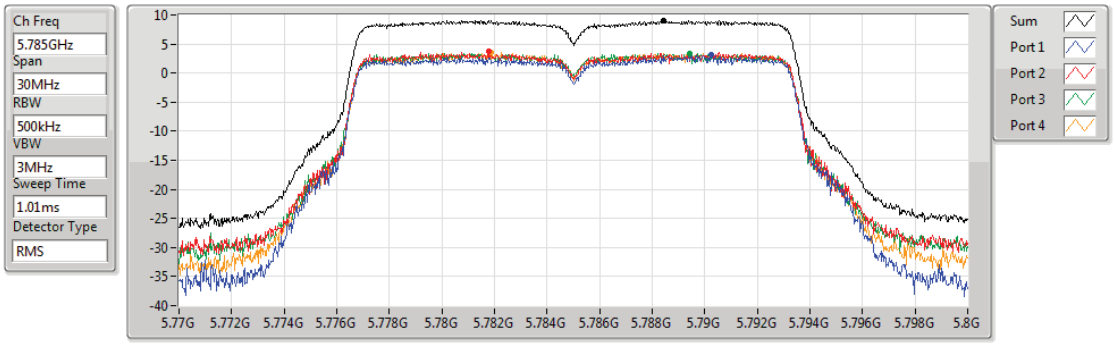
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.85	8.85	3.33	3.15	3.50	3.23

802.11a_Nss1,(6Mbps)_4TX PSD

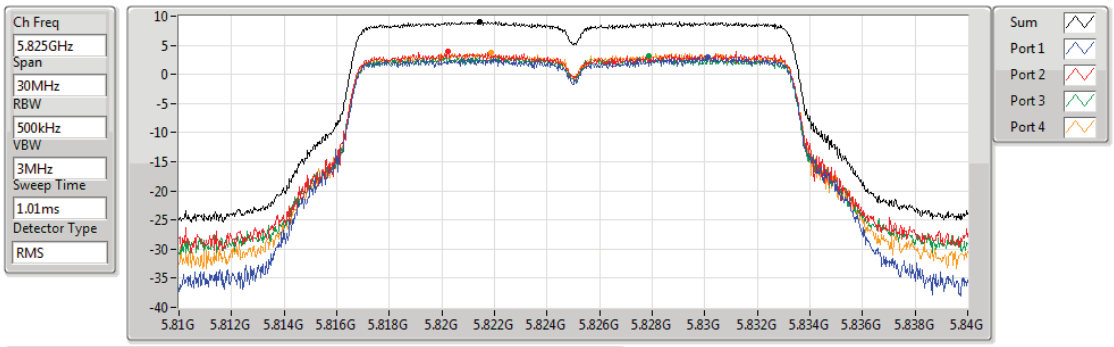
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.11	9.11	3.09	3.70	3.38	3.60

802.11a_Nss1,(6Mbps)_4TX PSD

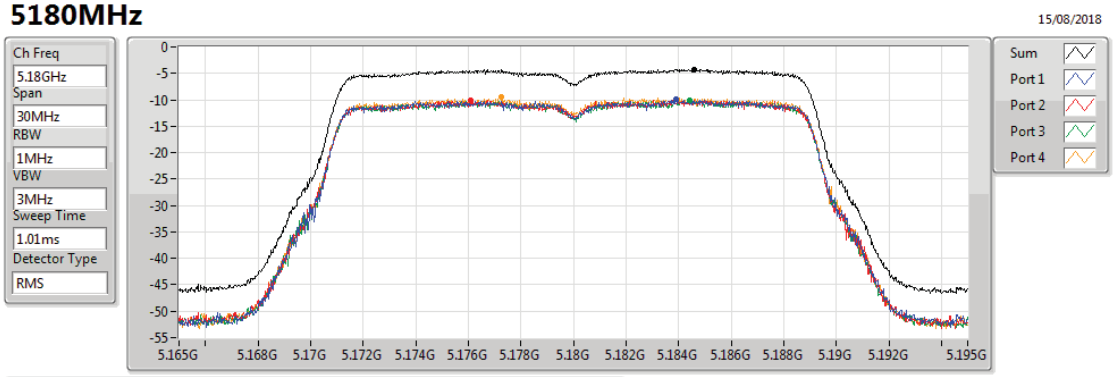
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.11	9.11	3.05	4.01	3.16	3.79

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

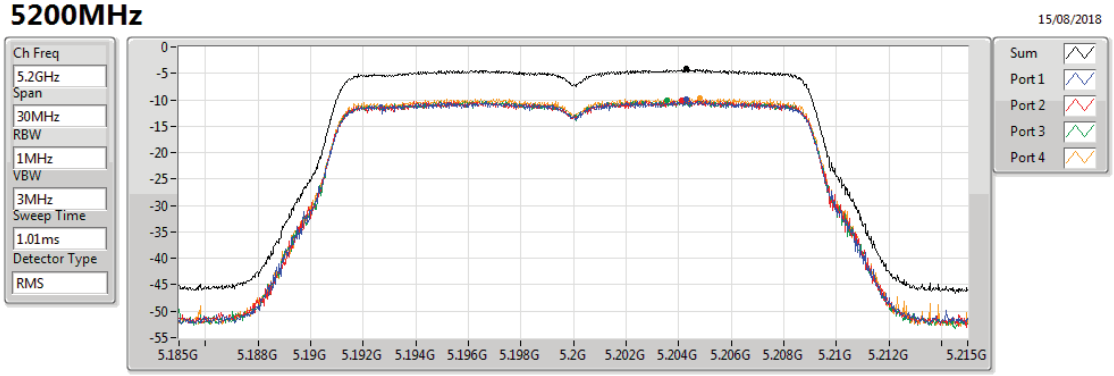
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.22	-4.22	-9.85	-10.06	-10.11	-9.56

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

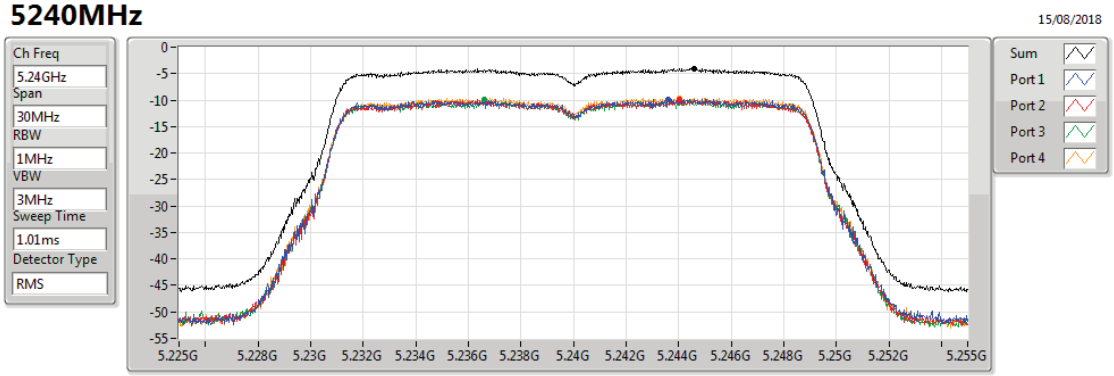
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.10	-4.10	-9.95	-10.07	-10.13	-9.66

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5240MHz

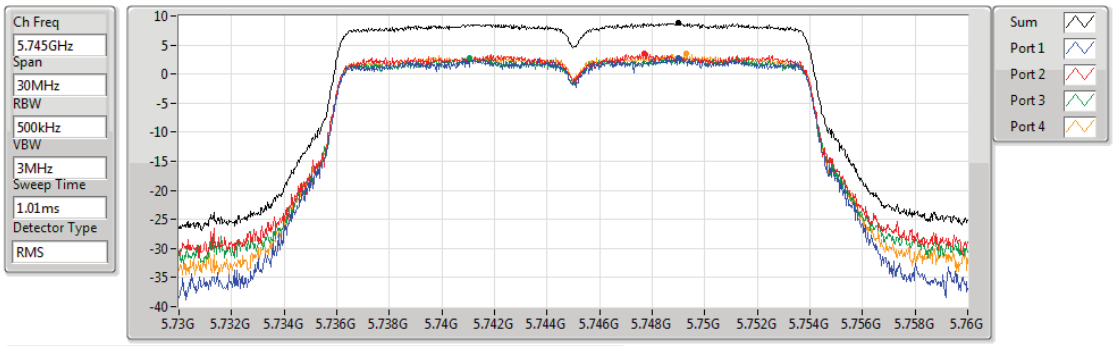


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.10	-4.10	-9.78	-9.88	-9.98	-9.59

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5745MHz

15/08/2018

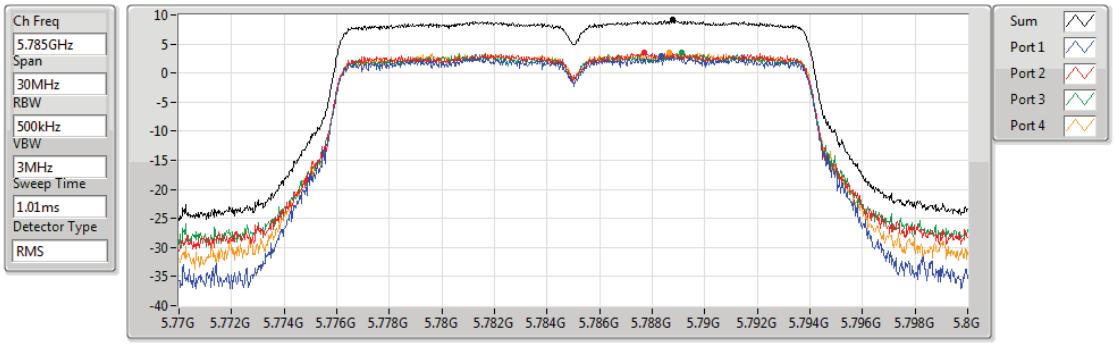


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.78	8.78	2.86	3.61	2.87	3.62

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5785MHz

15/08/2018

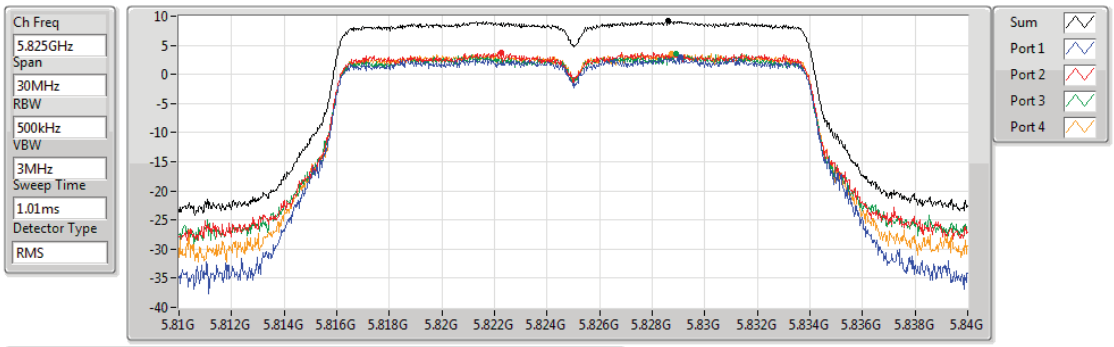


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.15	9.15	2.97	3.60	3.50	3.63

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5825MHz

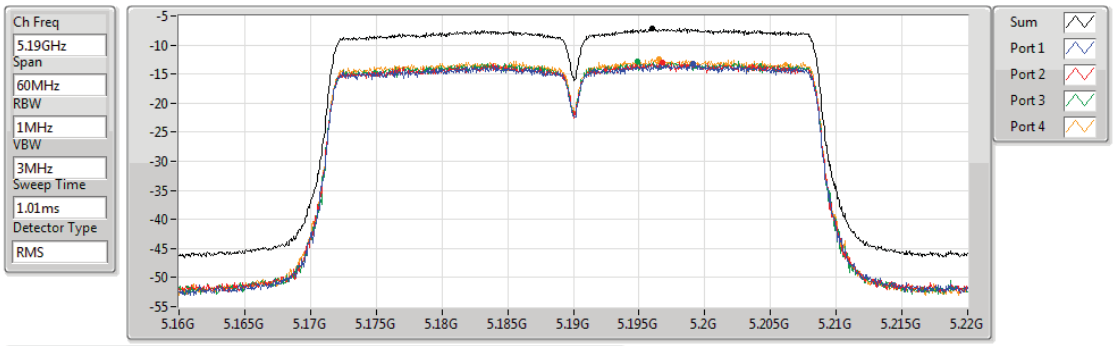
15/08/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.14	9.14	3.03	3.76	3.50	3.62

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

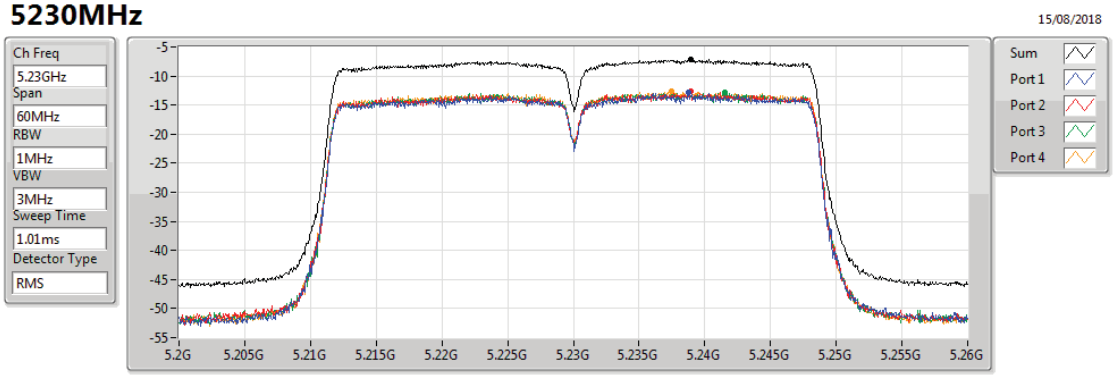
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.18	-7.18	-13.17	-12.98	-12.83	-12.40

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

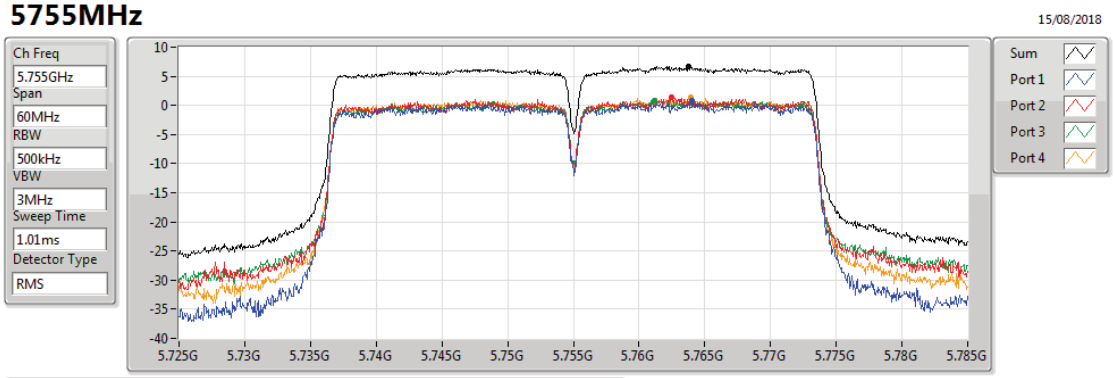
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.15	-7.15	-12.84	-12.68	-12.73	-12.58

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

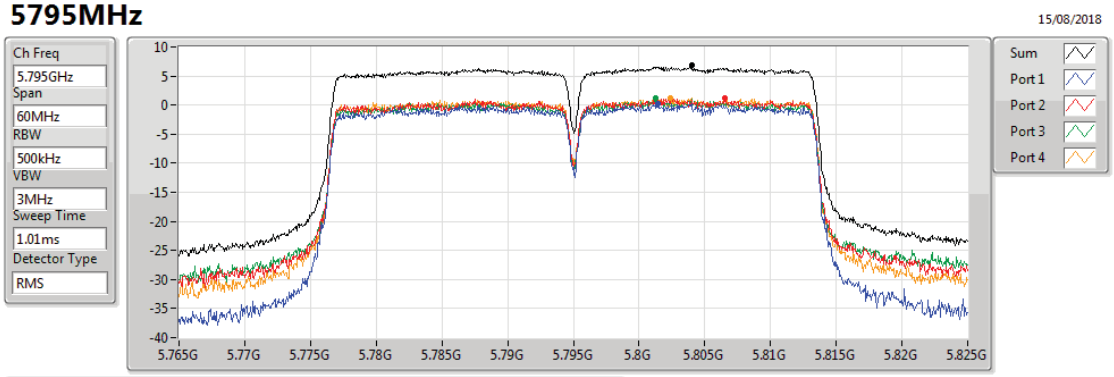
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.71	6.71	0.74	1.50	0.79	1.34

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

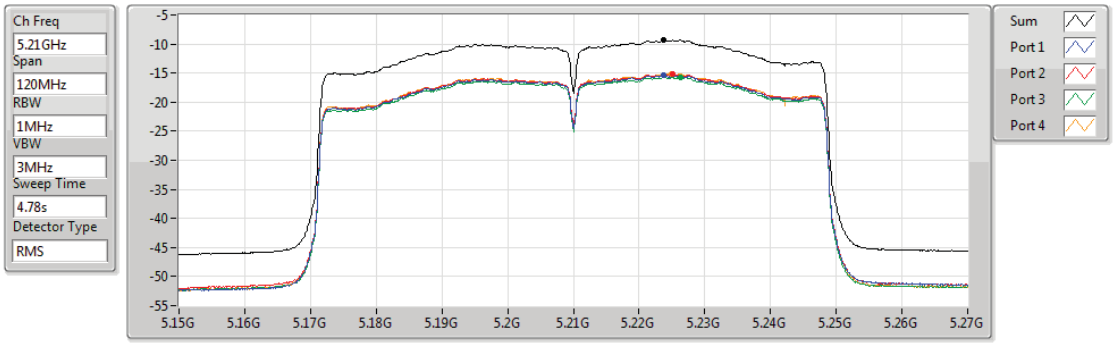
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.80	6.80	0.22	1.13	1.15	1.29

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

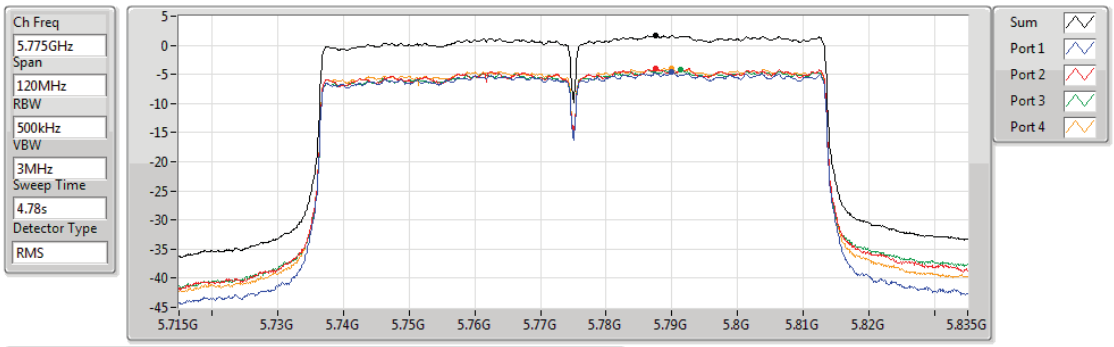
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.38	-9.38	-15.39	-15.20	-15.70	-15.13

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.67	1.67	-4.50	-4.00	-4.27	-3.93

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	6.20	14.22
802.11ac VHT20_Nss1,(MCS0)_4TX	5.99	14.01
802.11ac VHT40_Nss1,(MCS0)_4TX	3.00	11.02
802.11ac VHT80_Nss1,(MCS0)_4TX	1.14	9.16
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	15.90	23.92
802.11ac VHT20_Nss1,(MCS0)_4TX	15.98	24.00
802.11ac VHT40_Nss1,(MCS0)_4TX	12.93	20.95
802.11ac VHT80_Nss1,(MCS0)_4TX	6.63	14.65

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

Result

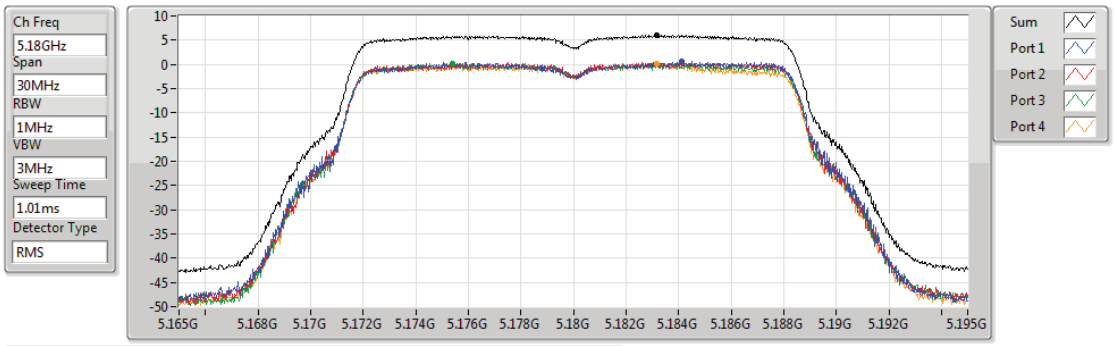
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8.02	0.62	0.42	0.27	0.13	6.07	14.98	14.09	23.00
5200MHz	Pass	8.02	0.84	0.57	0.40	0.07	6.15	14.98	14.17	23.00
5240MHz	Pass	8.02	0.52	0.48	0.50	-0.01	6.20	14.98	14.22	23.00
5745MHz	Pass	8.02	11.02	10.46	10.43	10.60	15.84	27.98	23.86	36.00
5785MHz	Pass	8.02	10.74	10.47	10.72	10.49	15.90	27.98	23.92	36.00
5825MHz	Pass	8.02	10.81	10.32	10.72	10.60	15.71	27.98	23.73	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8.02	0.74	-0.21	0.66	-0.29	5.84	14.98	13.86	23.00
5200MHz	Pass	8.02	0.82	-0.06	0.70	-0.71	5.89	14.98	13.91	23.00
5240MHz	Pass	8.02	0.83	0.19	0.71	-0.55	5.99	14.98	14.01	23.00
5745MHz	Pass	8.02	10.79	10.50	10.46	10.29	15.91	27.98	23.93	36.00
5785MHz	Pass	8.02	10.63	10.40	10.60	10.59	15.98	27.98	24.00	36.00
5825MHz	Pass	8.02	10.25	10.20	10.64	10.32	15.82	27.98	23.84	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	8.02	-2.38	-3.59	-2.39	-3.80	3.00	14.98	11.02	23.00
5230MHz	Pass	8.02	-2.82	-2.78	-3.07	-3.70	2.89	14.98	10.91	23.00
5755MHz	Pass	8.02	6.70	6.41	6.17	5.58	11.71	27.98	19.73	36.00
5795MHz	Pass	8.02	7.46	7.42	7.13	6.93	12.93	27.98	20.95	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8.02	-4.35	-5.39	-4.33	-5.31	1.14	14.98	9.16	23.00
5775MHz	Pass	8.02	1.15	1.01	0.84	0.57	6.63	27.98	14.65	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)_4TX PSD

5180MHz

15/08/2018

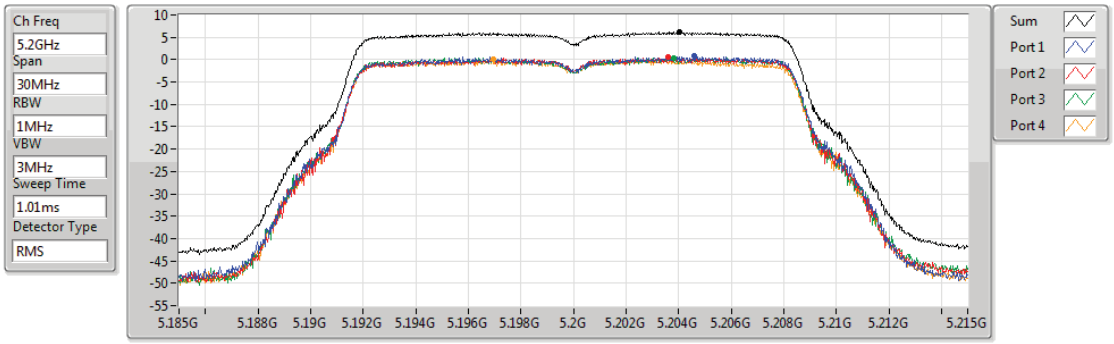


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.07	6.07	0.62	0.42	0.27	0.13

802.11a_Nss1,(6Mbps)_4TX PSD

5200MHz

15/08/2018

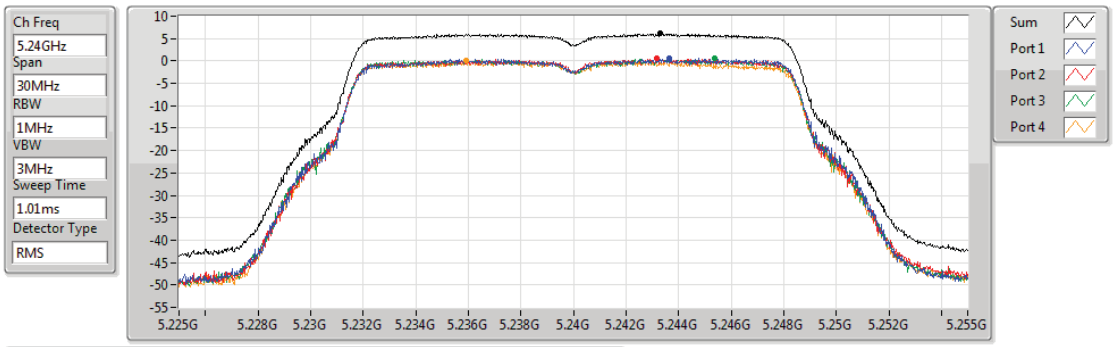


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.15	6.15	0.84	0.57	0.40	0.07

802.11a_Nss1,(6Mbps)_4TX PSD

5240MHz

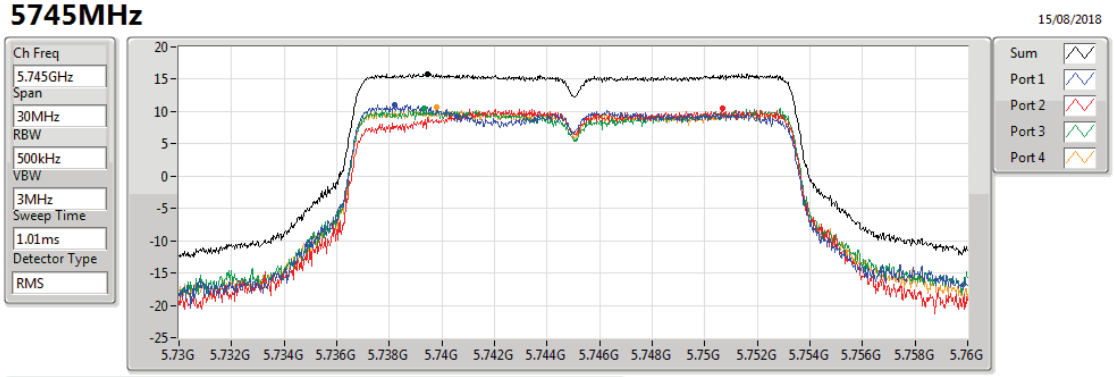
15/08/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.20	6.20	0.52	0.48	0.50	-0.01

802.11a_Nss1,(6Mbps)_4TX PSD

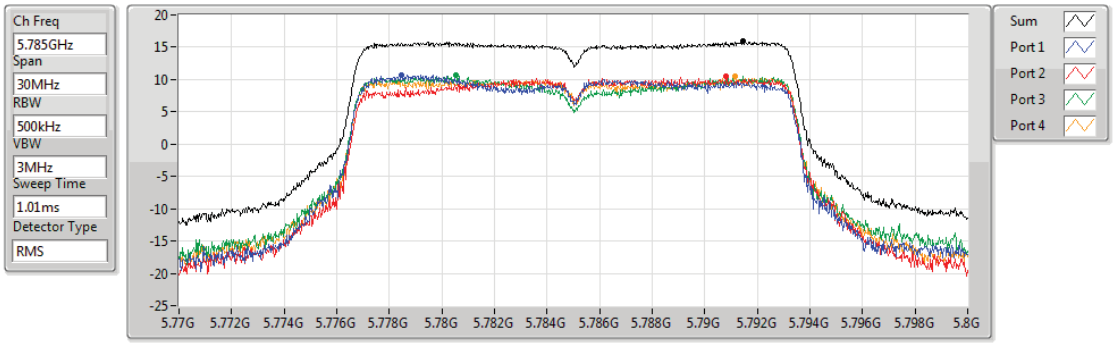
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.84	15.84	11.02	10.46	10.43	10.60

802.11a_Nss1,(6Mbps)_4TX PSD

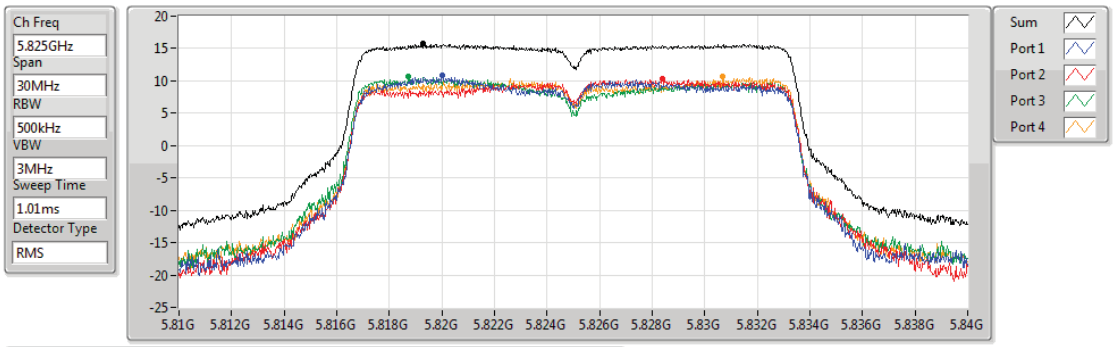
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.90	15.90	10.74	10.47	10.72	10.49

802.11a_Nss1,(6Mbps)_4TX PSD

5825MHz

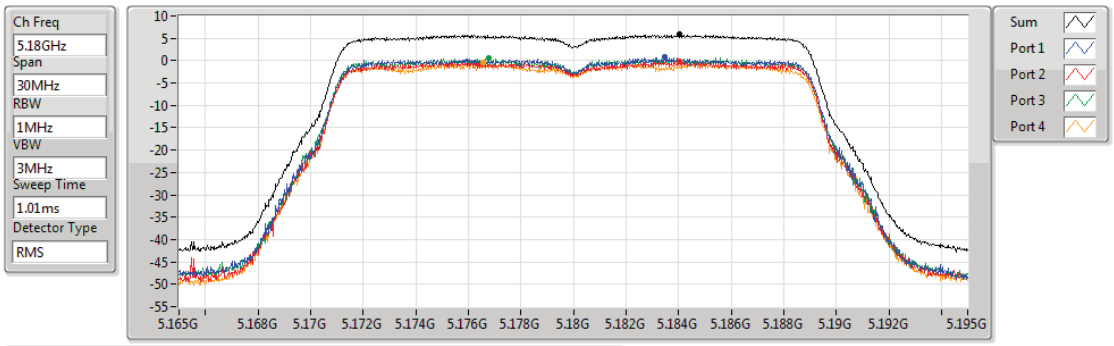


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.71	15.71	10.81	10.32	10.72	10.60

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5180MHz

15/08/2018

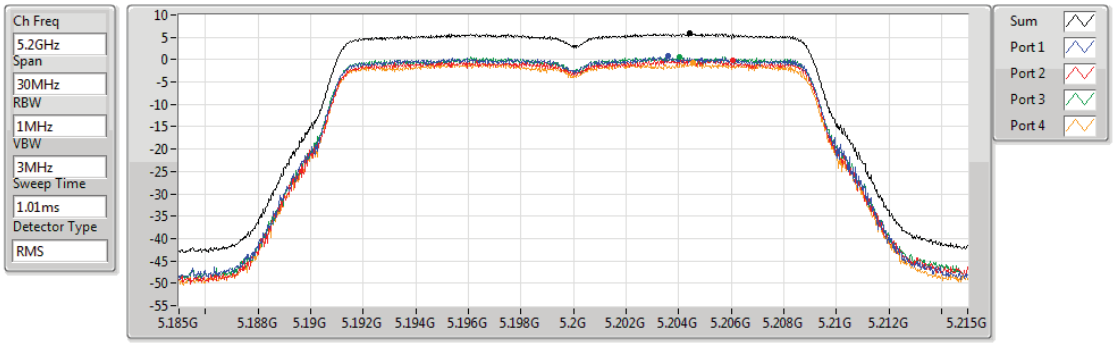


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.84	5.84	0.74	-0.21	0.66	-0.29

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5200MHz

15/08/2018

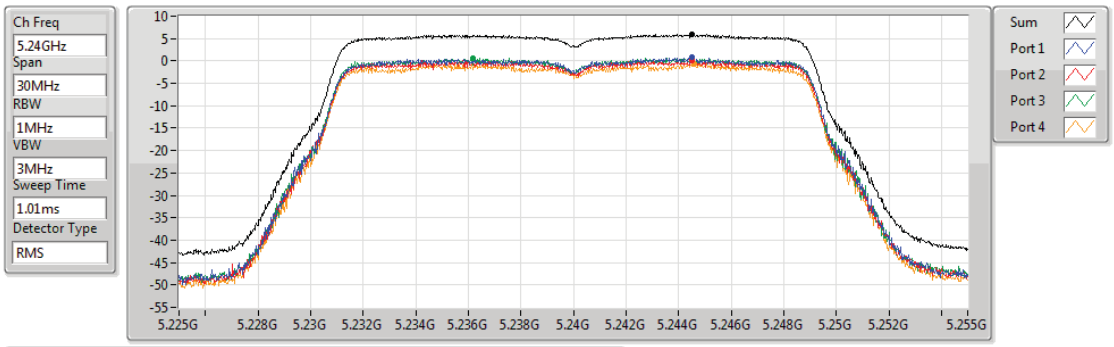


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.89	5.89	0.82	-0.06	0.70	-0.71

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5240MHz

15/08/2018

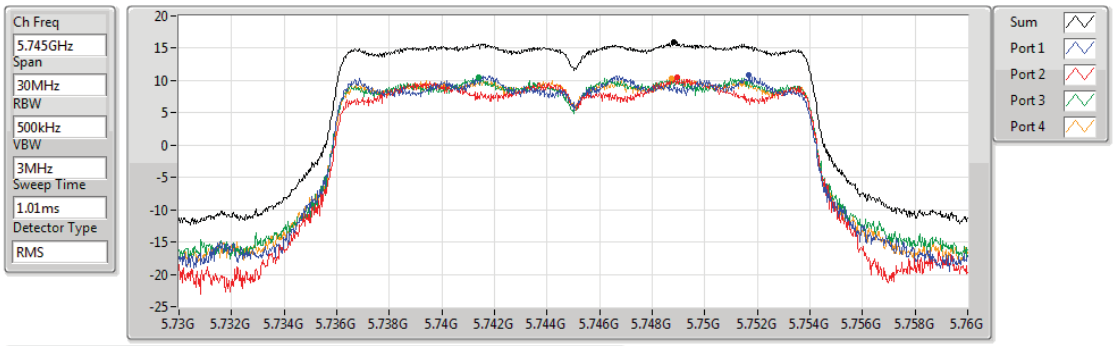


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.99	5.99	0.83	0.19	0.71	-0.55

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5745MHz

15/08/2018

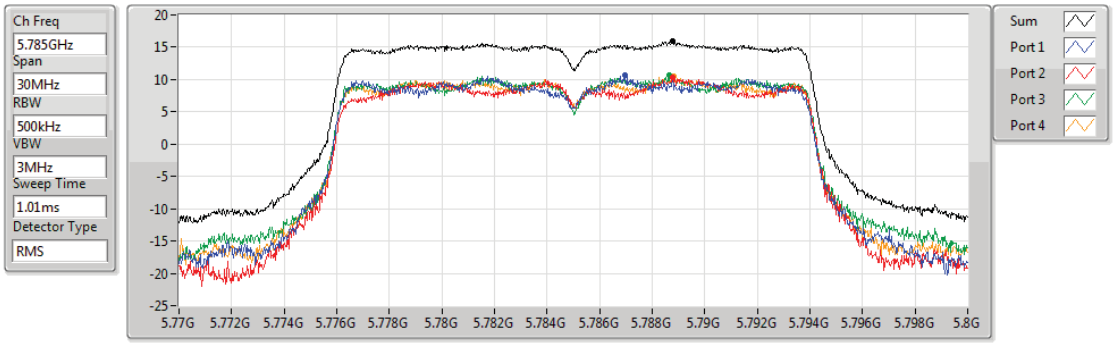


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.91	15.91	10.79	10.50	10.46	10.29

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5785MHz

15/08/2018

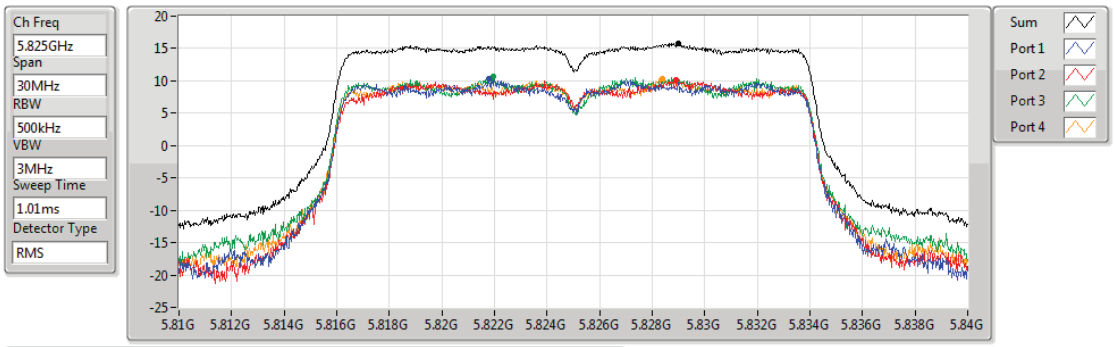


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.98	15.98	10.63	10.40	10.60	10.59

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5825MHz

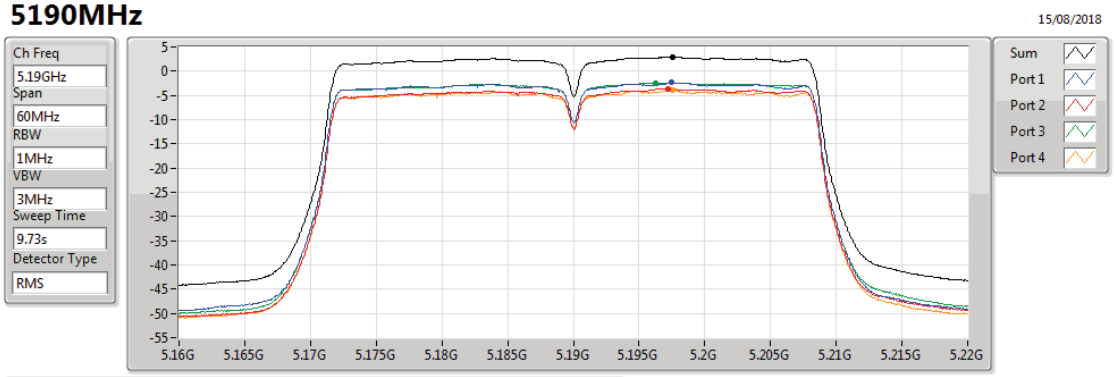
15/08/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.82	15.82	10.25	10.20	10.64	10.32

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

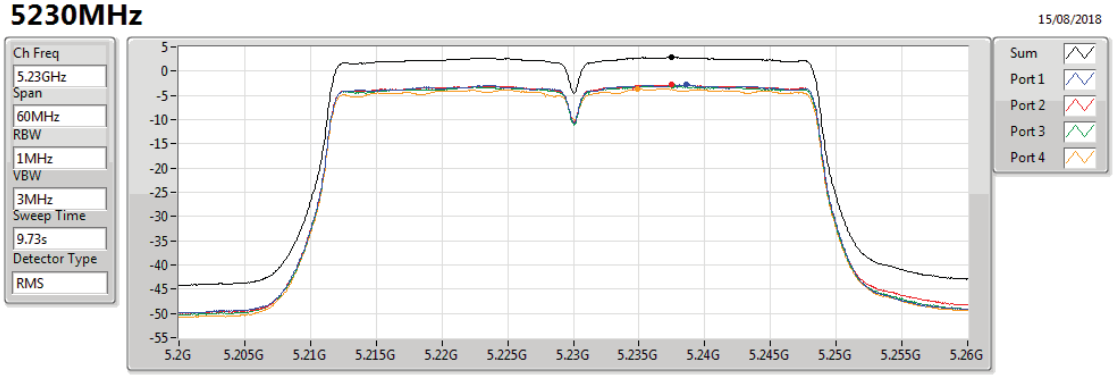
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.00	3.00	-2.38	-3.59	-2.39	-3.80

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

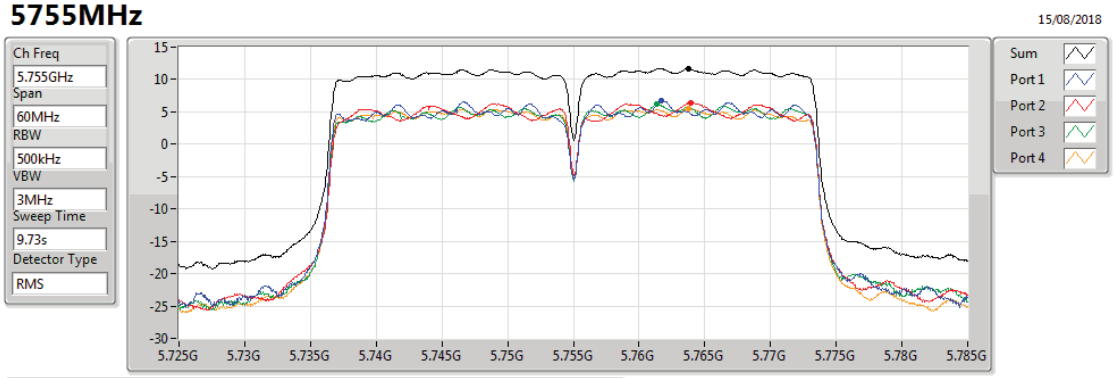
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.89	2.89	-2.82	-2.78	-3.07	-3.70

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5755MHz

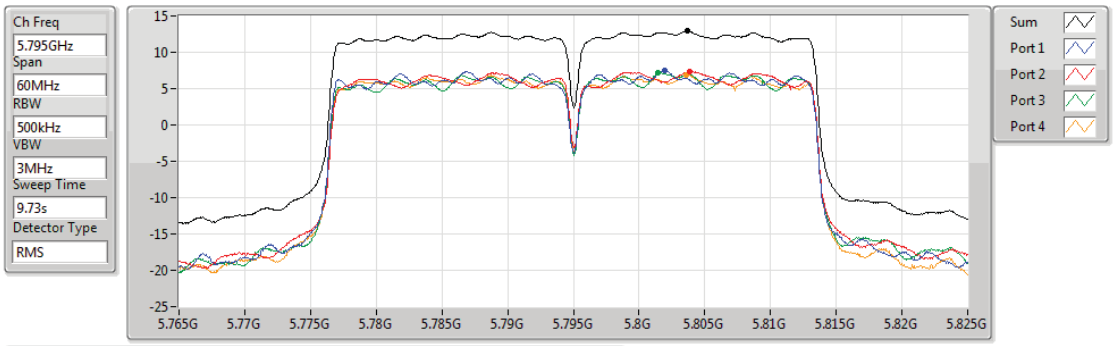


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.71	11.71	6.70	6.41	6.17	5.58

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5795MHz

15/08/2018

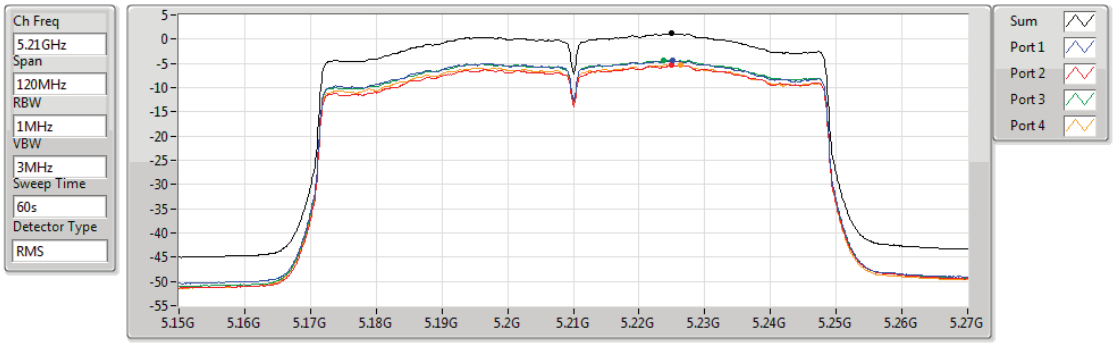


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.93	12.93	7.46	7.42	7.13	6.93

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

5210MHz

15/08/2018

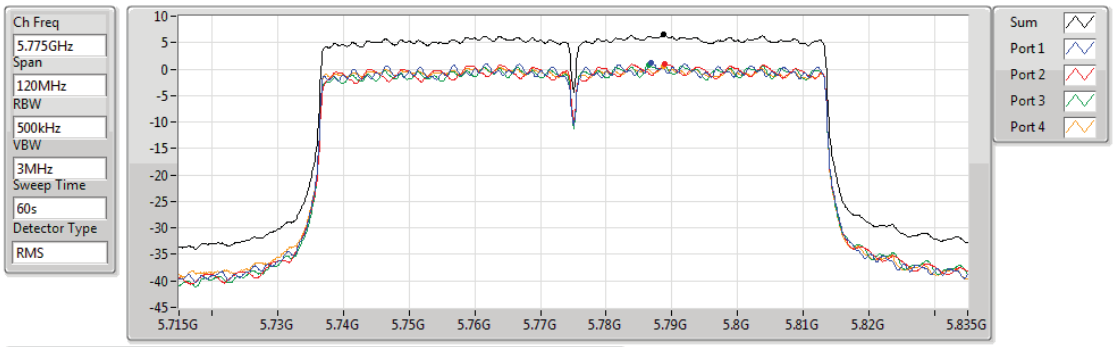


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.14	1.14	-4.35	-5.39	-4.33	-5.31

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

5775MHz

15/08/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.63	6.63	1.15	1.01	0.84	0.57

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	-4.11	14.05
802.11ac VHT20_Nss1,(MCS0)_4TX	-4.36	13.80
802.11ac VHT40_Nss1,(MCS0)_4TX	-7.57	10.59
802.11ac VHT80_Nss1,(MCS0)_4TX	-9.38	8.78
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	9.52	27.68
802.11ac VHT20_Nss1,(MCS0)_4TX	9.72	27.88
802.11ac VHT40_Nss1,(MCS0)_4TX	6.33	24.49
802.11ac VHT80_Nss1,(MCS0)_4TX	3.58	21.74

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

Result

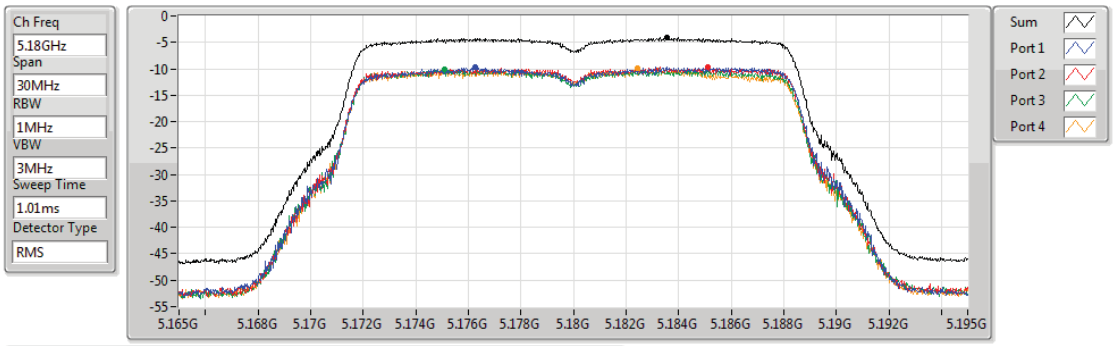
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	18.16	-9.61	-9.71	-10.05	-9.90	-4.12	4.84	14.04	23.00
5200MHz_TnomVnom	Pass	18.16	-9.61	-9.45	-9.96	-10.21	-4.11	4.84	14.05	23.00
5240MHz_TnomVnom	Pass	18.16	-9.69	-9.71	-9.86	-10.16	-4.21	4.84	13.95	23.00
5745MHz_TnomVnom	Pass	18.16	5.05	3.94	3.96	3.48	9.43	17.84	27.59	36.00
5785MHz_TnomVnom	Pass	18.16	4.58	3.98	3.87	3.79	9.35	17.84	27.51	36.00
5825MHz_TnomVnom	Pass	18.16	4.60	4.11	4.21	4.27	9.52	17.84	27.68	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	18.16	-9.71	-10.18	-10.02	-10.59	-4.41	4.84	13.75	23.00
5200MHz_TnomVnom	Pass	18.16	-9.71	-10.34	-9.69	-11.18	-4.51	4.84	13.65	23.00
5240MHz_TnomVnom	Pass	18.16	-9.37	-10.10	-9.93	-10.78	-4.36	4.84	13.80	23.00
5745MHz_TnomVnom	Pass	18.16	4.55	4.16	4.11	3.64	9.34	17.84	27.50	36.00
5785MHz_TnomVnom	Pass	18.16	4.50	3.73	4.16	3.32	9.28	17.84	27.44	36.00
5825MHz_TnomVnom	Pass	18.16	4.39	3.88	4.27	4.10	9.72	17.84	27.88	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	18.16	-13.15	-14.03	-12.78	-14.50	-7.63	4.84	10.53	23.00
5230MHz_TnomVnom	Pass	18.16	-12.80	-14.06	-13.06	-14.29	-7.57	4.84	10.59	23.00
5755MHz_TnomVnom	Pass	18.16	1.84	1.09	-0.01	0.33	6.30	17.84	24.46	36.00
5795MHz_TnomVnom	Pass	18.16	1.35	1.00	-0.28	0.49	6.33	17.84	24.49	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	18.16	-15.16	-15.74	-14.70	-15.97	-9.38	4.84	8.78	23.00
5775MHz_TnomVnom	Pass	18.16	-1.60	-1.93	-2.44	-2.53	3.58	17.84	21.74	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)_4TX PSD

5180MHz

15/08/2018

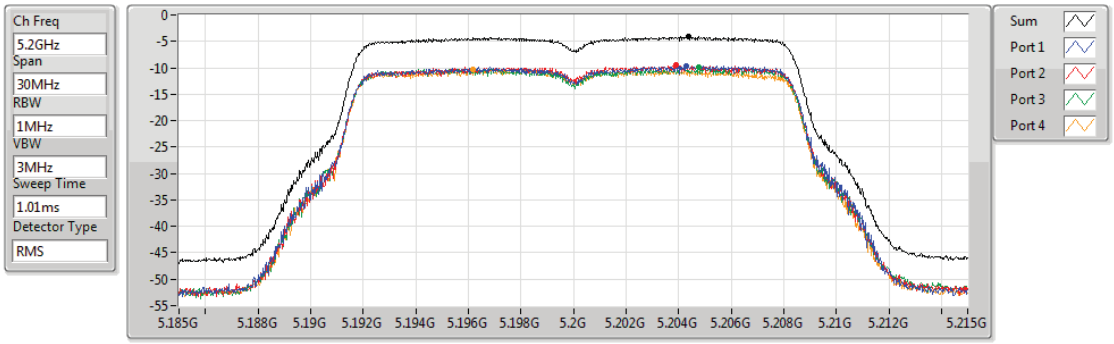


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.12	-4.12	-9.61	-9.71	-10.05	-9.90

802.11a_Nss1,(6Mbps)_4TX PSD

5200MHz

15/08/2018

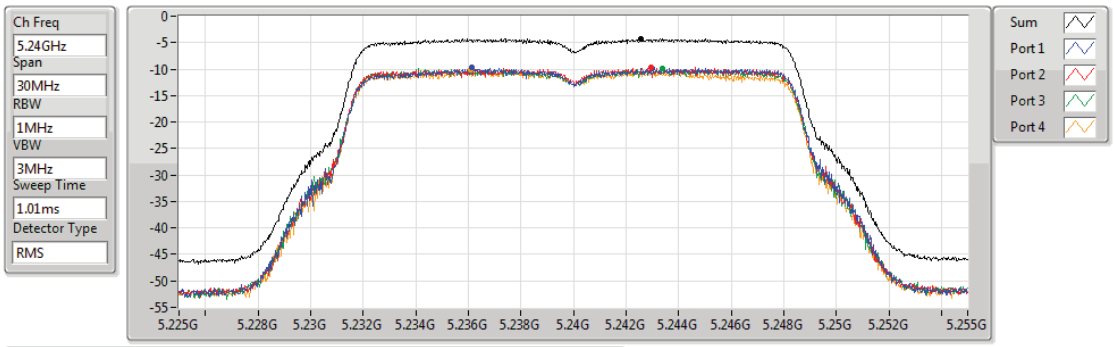


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.11	-4.11	-9.61	-9.45	-9.96	-10.21

802.11a_Nss1,(6Mbps)_4TX PSD

5240MHz

15/08/2018

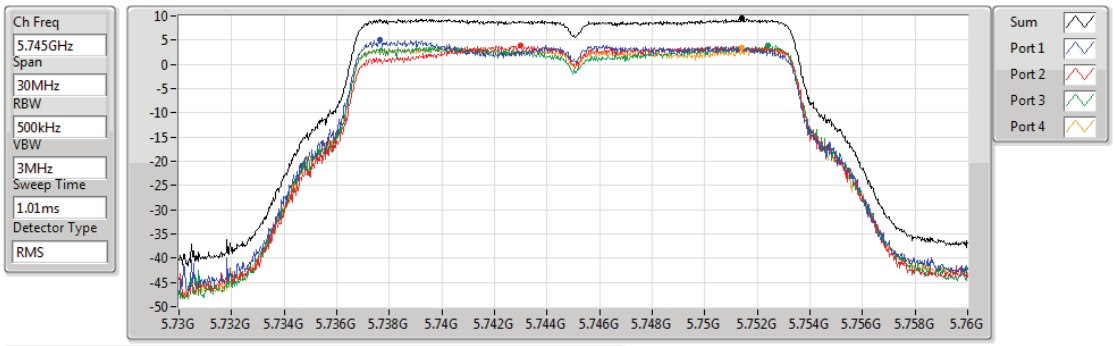


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.21	-4.21	-9.69	-9.71	-9.86	-10.16

802.11a_Nss1,(6Mbps)_4TX PSD

5745MHz

15/08/2018

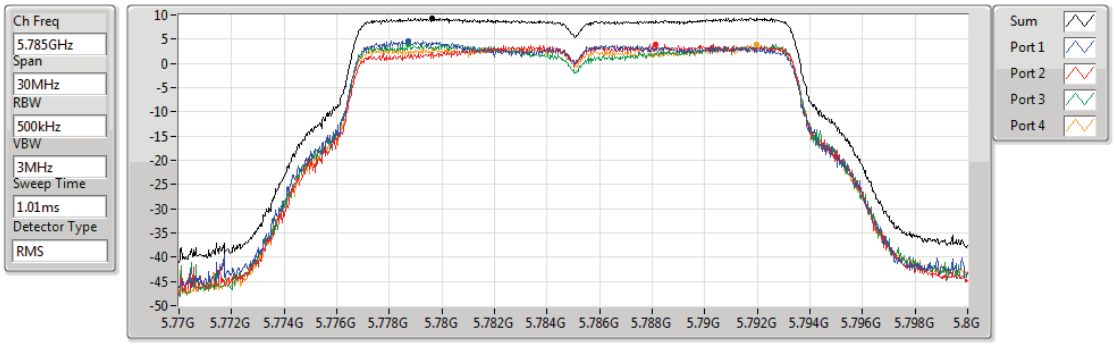


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.43	9.43	5.05	3.94	3.96	3.48

802.11a_Nss1,(6Mbps)_4TX PSD

5785MHz

15/08/2018

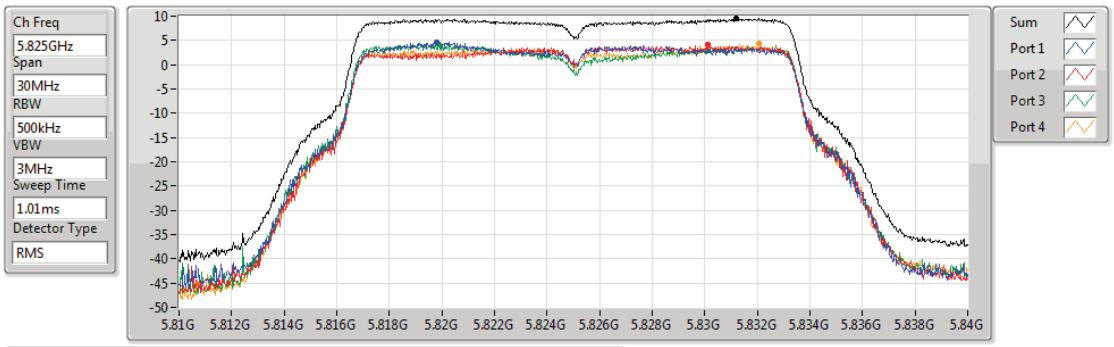


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.35	9.35	4.58	3.98	3.87	3.79

802.11a_Nss1,(6Mbps)_4TX PSD

5825MHz

15/08/2018

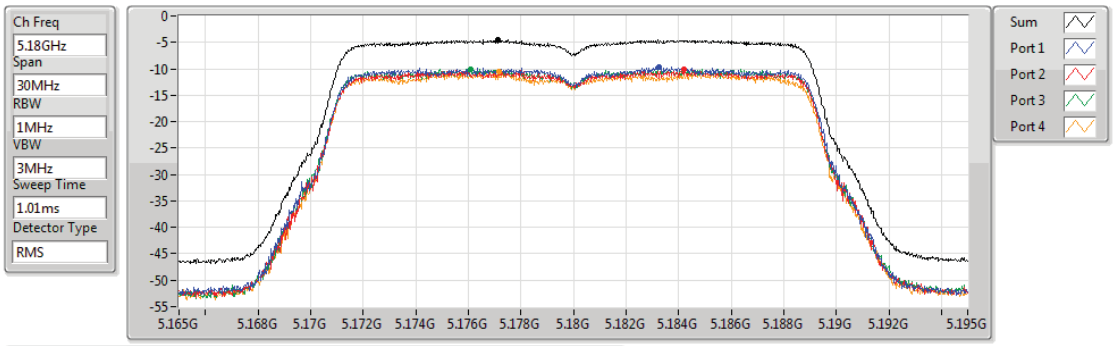


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.52	9.52	4.60	4.11	4.21	4.27

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5180MHz

15/08/2018

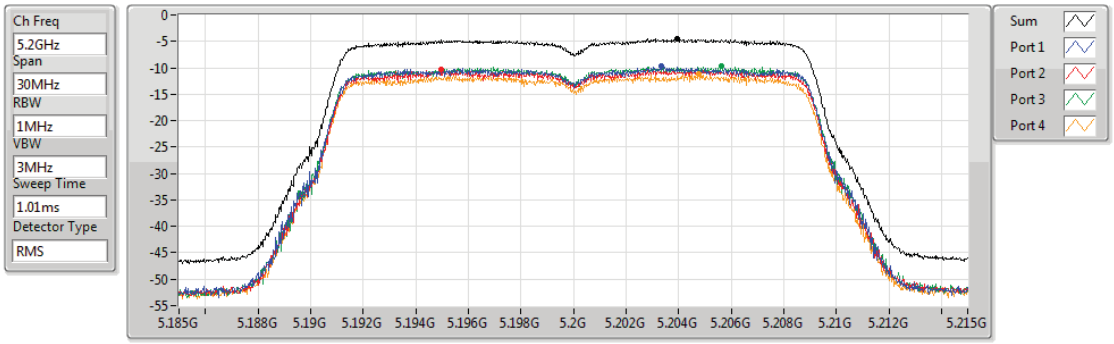


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.41	-4.41	-9.71	-10.18	-10.02	-10.59

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5200MHz

15/08/2018

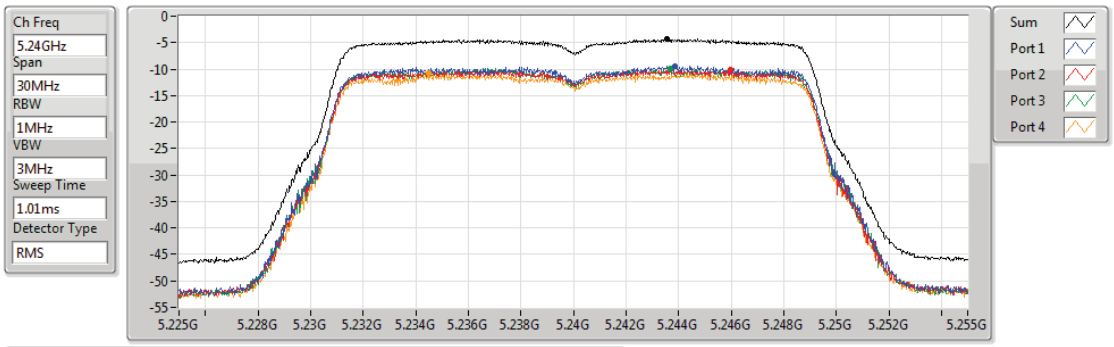


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.51	-4.51	-9.71	-10.34	-9.69	-11.18

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5240MHz

15/08/2018

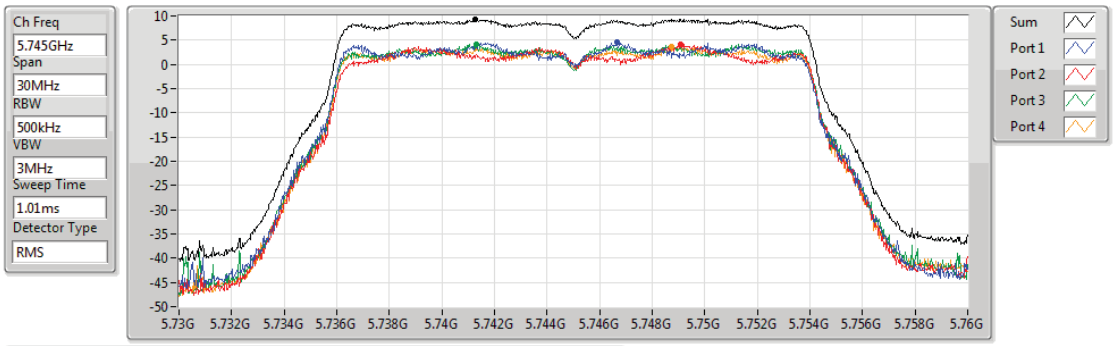


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.36	-4.36	-9.37	-10.10	-9.93	-10.78

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5745MHz

15/08/2018

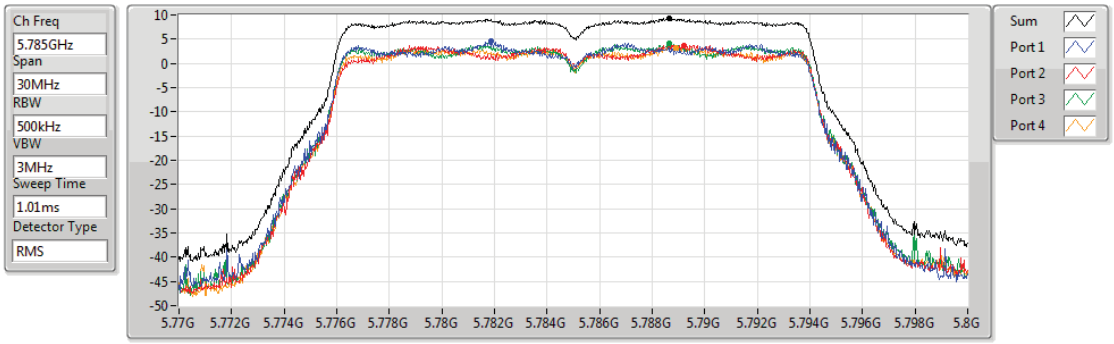


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.34	9.34	4.55	4.16	4.11	3.64

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5785MHz

15/08/2018

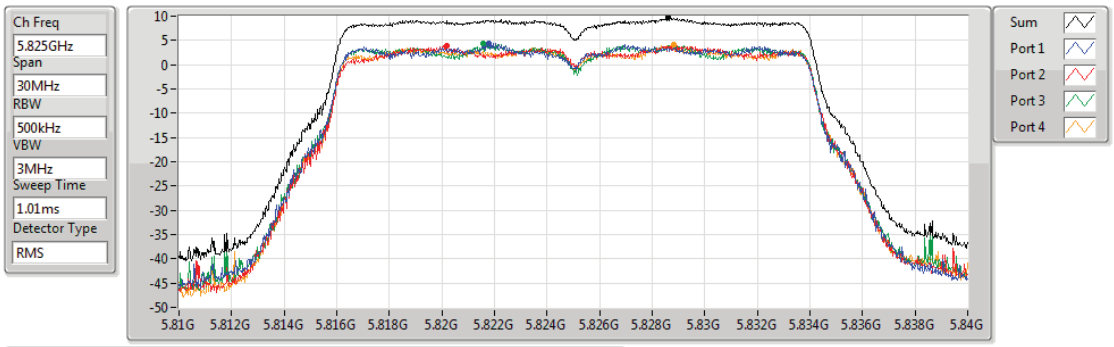


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.28	9.28	4.50	3.73	4.16	3.32

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5825MHz

15/08/2018

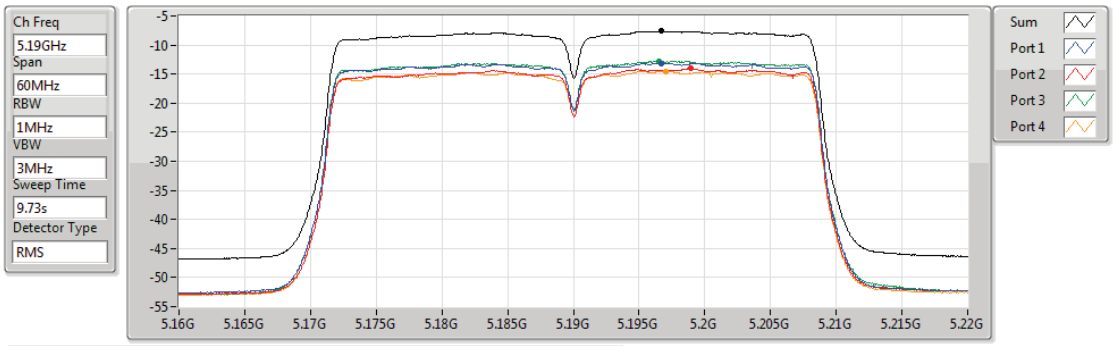


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.72	9.72	4.39	3.88	4.27	4.10

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5190MHz

15/08/2018

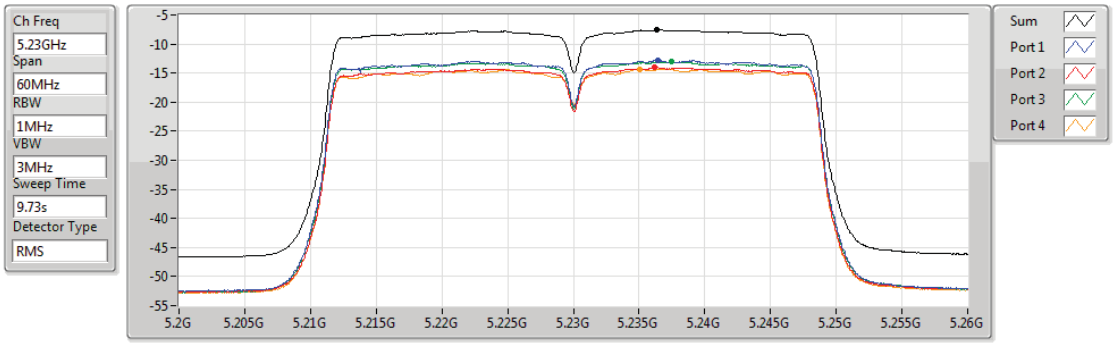


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.63	-7.63	-13.15	-14.03	-12.78	-14.50

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5230MHz

15/08/2018

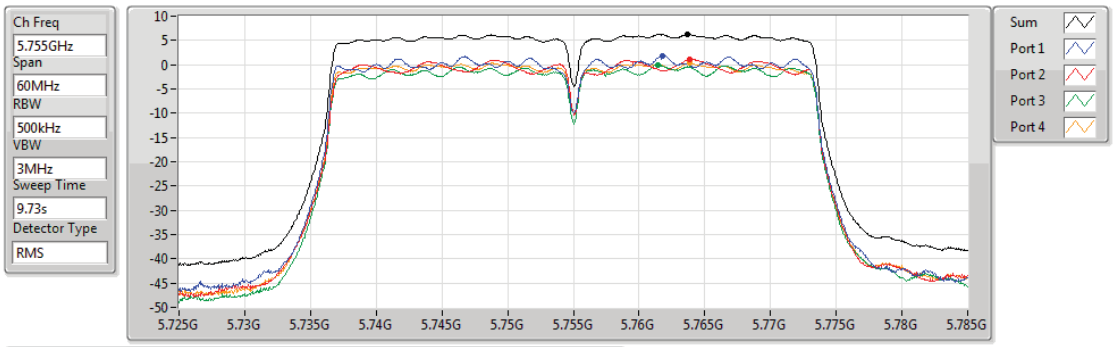


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.57	-7.57	-12.80	-14.06	-13.06	-14.29

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5755MHz

15/08/2018

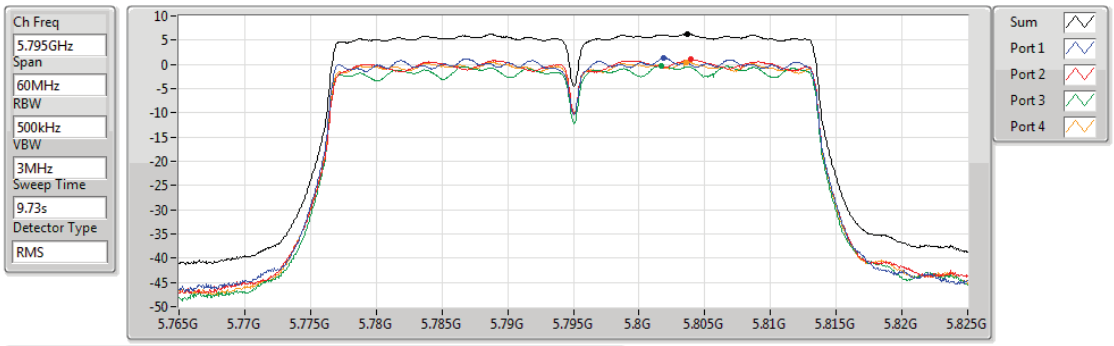


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.30	6.30	1.84	1.09	-0.01	0.33

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5795MHz

15/08/2018

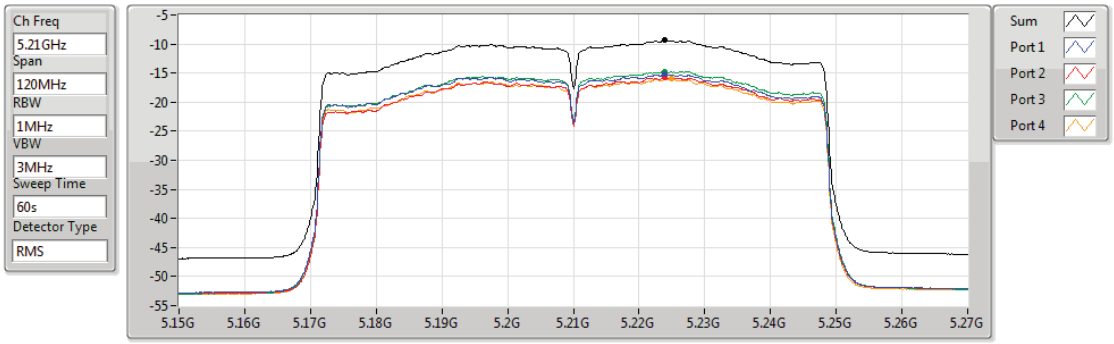


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.33	6.33	1.35	1.00	-0.28	0.49

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

5210MHz

15/08/2018

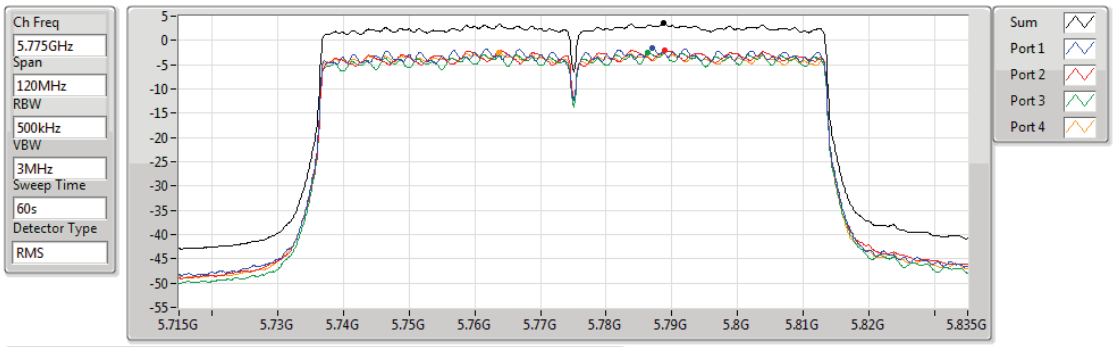


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.38	-9.38	-15.16	-15.74	-14.70	-15.97

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

5775MHz

15/08/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.58	3.58	-1.60	-1.93	-2.44	-2.53

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	1.32	9.34
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-1.37	6.65
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-3.92	4.10
5.725-5.85GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	14.52	22.54
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	11.26	19.28
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	6.19	14.21

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

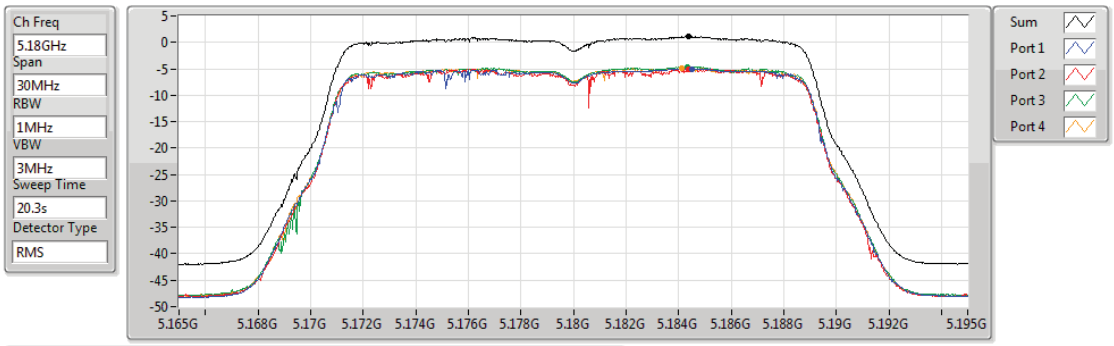
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8.02	-5.00	-5.07	-4.59	-4.80	1.10	14.98	9.12	23.00
5200MHz	Pass	8.02	-4.90	-4.67	-4.56	-4.62	1.25	14.98	9.27	23.00
5240MHz	Pass	8.02	-4.60	-4.62	-4.32	-4.47	1.32	14.98	9.34	23.00
5745MHz	Pass	8.02	7.95	8.54	7.94	8.66	14.14	27.98	22.16	36.00
5785MHz	Pass	8.02	8.37	8.98	8.01	9.05	14.49	27.98	22.51	36.00
5825MHz	Pass	8.02	8.40	8.95	8.04	8.93	14.52	27.98	22.54	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	8.02	-7.58	-7.46	-7.11	-7.30	-1.37	14.98	6.65	23.00
5230MHz	Pass	8.02	-7.58	-7.73	-7.13	-7.35	-1.59	14.98	6.43	23.00
5755MHz	Pass	8.02	4.58	4.94	4.37	4.97	10.62	27.98	18.64	36.00
5795MHz	Pass	8.02	5.18	5.54	5.00	5.63	11.26	27.98	19.28	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8.02	-10.13	-9.93	-9.60	-9.77	-3.92	14.98	4.10	23.00
5775MHz	Pass	8.02	0.01	0.58	0.30	0.65	6.19	27.98	14.21	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;

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

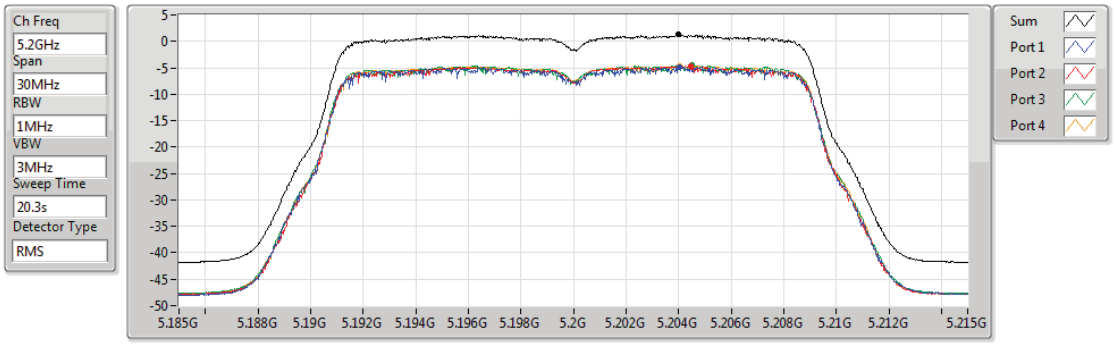
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.10	1.10	-5.00	-5.07	-4.59	-4.80

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

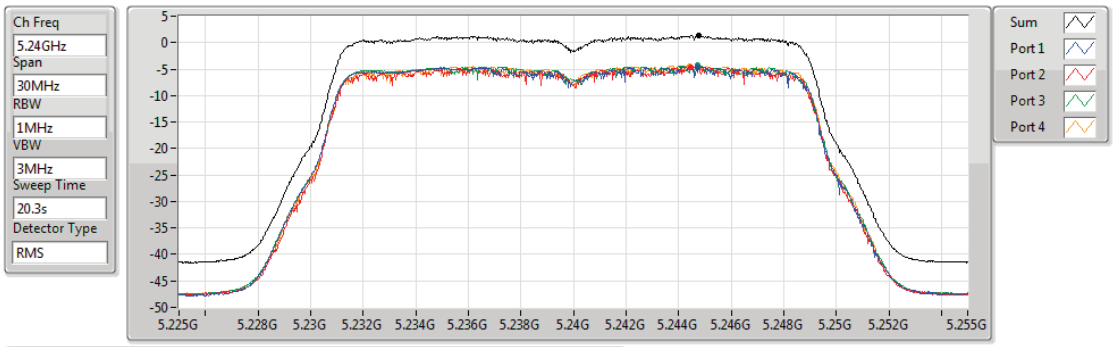
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.25	1.25	-4.90	-4.67	-4.56	-4.62

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

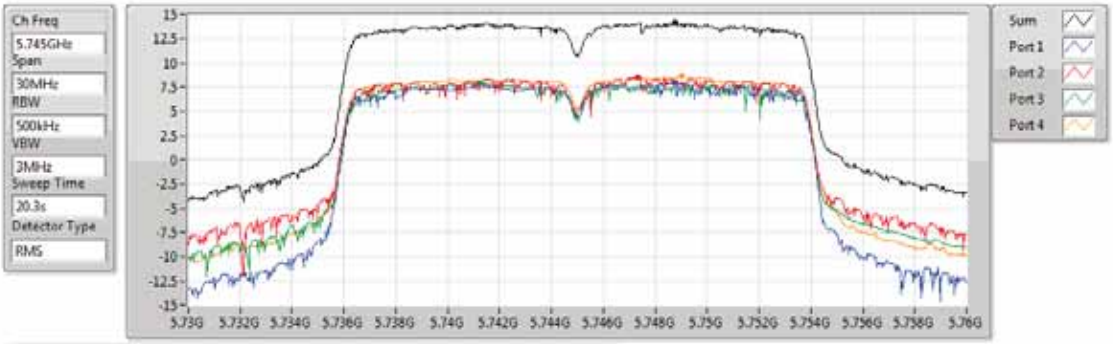
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.32	1.32	-4.60	-4.62	-4.32	-4.47

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

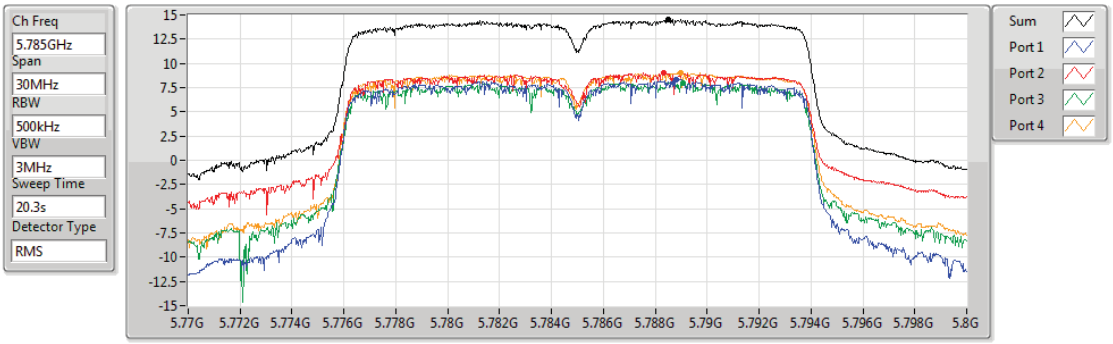
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.14	14.14	7.95	8.54	7.94	8.66

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

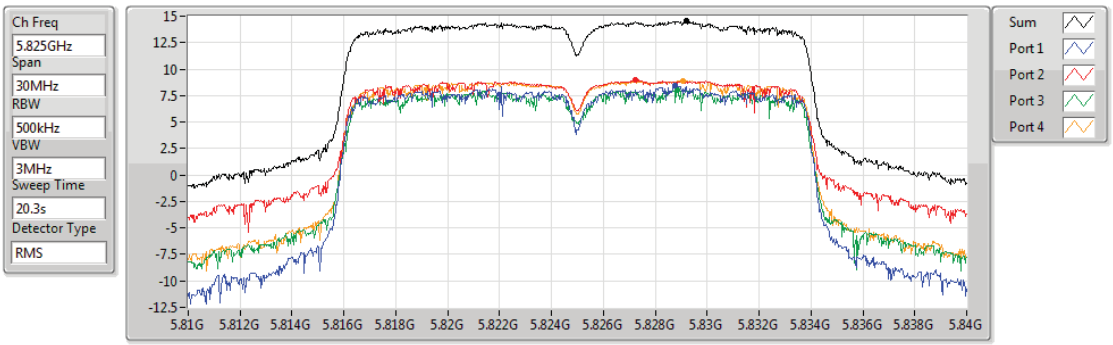
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.49	14.49	8.37	8.98	8.01	9.05

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.52	14.52	8.40	8.95	8.04	8.93