FCC Test Report

FCC ID	:	**A8J-ENS500-ACV2**
Equipment	:	**Outdoor Long Range Wireless Access Point**
Brand Name	:	**EnGenius emplus**
Model Name	:	**ENS500-ACv2,ENS500EXT-ACv2, EnStation5-ACv2, EAS100-14v2, EAS100EXTv2, EAS100-19v2**
Applicant	:	**EnGenius Technologies 1580 Scenic Avenue, Costa Mesa, CA92626**
Manufacturer	:	**Senao Networks Inc. No.500, Fusing 3rd Rd., Hwa Ya Technology Park, Kuei-shan District, Taoyuan City 333, Taiwan**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Jun. 17, 2019, and testing was started from Jun. 21, 2019 and completed on Jun. 24, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR961714AN	01	Initial issue of report	Aug. 14, 2019

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	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and explanations:
None

Reviewed by: Jackson Tsai

Report Producer: Amber Chiu

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]

Non-Beamforming

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

Beamforming

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

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Remark
1	-	-	PIFA antenna	I-Pex	2.4G WLAN	For Model: ENS500-ACv2 and EAS100-14v2 use only
2	-	-	Patch antenna	I-Pex	5G WLAN	
3	-	-	Patch antenna	I-Pex	5G WLAN	
4	-	-	PIFA antenna	I-Pex	2.4G WLAN	For Model: ENS500EXT-ACv2 and EAS100EXTv2, use only
5	-	-	Dipole antenna	Reverse SMA	5G WLAN	
6	-	-	Dipole antenna	Reverse SMA	5G WLAN	
7	-	-	PIFA antenna	I-Pex	2.4G WLAN	For Model: EnStation5-ACv2 and EAS100-19v2 use only
8	-	-	Patch antenna	I-Pex	5G WLAN	
9	-	-	Patch antenna	I-Pex	5G WLAN	

Ant.	Gain (dBi)			Antenna above 30 drees Gain (dBi)
	2.4G	5G		5G
		U-NII-1	U-NII-3	U-NII-1
1	3.22	-	-	-
2	-	13.35	13.35	5.46
3	-	13.42	13.42	5.46
4	3.22	-	-	-
5	-	5.12	5.17	4.31
6	-	5.12	5.17	4.31
7	3.22	-	-	-
8	-	15.5	15.5	14.42
9	-	15.5	15.5	14.42

For 2.4GHz function:

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

Ant. 1, Ant. 4 and Ant. 7 could transmit/receive simultaneously.

For 5GHz function:

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

Ant. 2~3, Ant. 5~6 and Ant. 8~9 could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition					
EUT Power Type	From PoE				
EUT Function	☒	Outdoor	☐	Indoor	
	☐	Fixed P2P	☐	Client	
Beamforming Function	☒	With beamforming	☐	Without beamforming	
TPC Function	☒	With TPC Function	☐	Without TPC Function	

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

Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.97	0.13	2.066m	1k
802.11ac VHT20	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.971	0.13	2.437m	1k
802.11ac VHT80	0.936	0.29	1.144m	1k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ac VHT20-BF	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40-BF	0.975	0.11	2.439m	1k
802.11ac VHT80-BF	0.951	0.22	1.151m	1k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.1.5 Table for Multiple Listing

Brand Name	Model Name	Description
EnGenius	ENS500-ACv2	Internal direct 14dBi antenna
	ENS500EXT-ACv2	Accessory with external dipole 5dBi*2 antenna
	EnStation5-ACv2	Internal direct 19dBi antenna
emplus	EAS100-14v2	Internal direct 14dBi antenna
	EAS100EXTv2	Accessory with external dipole 5dBi*2 antenna
	EAS100-19v2	Internal direct 19dBi antenna
Note. For more detailed features description, please refer to the specifications or user's manual.		

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- KDB 789033 D02 v02r01
- KDB 662911 D01 v02r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO01-HY	Edward	23.5~25.4°C / 56~66.3%	24/Jun/2019
RF Conducted	TH07-HY	Clara	23.3~24.9°C / 58~65%	21/Jun/2019~ 24/Jun/2019
Radiated	03CH02-HY	Patrick	24.5~25.6°C / 53.2~55.7%	22/Jun/2019~ 23/Jun/2019

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)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 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 ℃	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software Version	QDART V3.0.297.0

ENS500-ACv2_Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	14.5
5200MHz	14.5
5240MHz	14.5
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	15
5200MHz	15
5240MHz	15
5745MHz	20
5785MHz	20
5825MHz	20
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	14
5230MHz	14.5
5755MHz	19.5
5795MHz	19.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	14
5775MHz	19.5

ENS500-ACv2_Beamforming

Mode	Power Setting
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	12
5200MHz	12
5240MHz	12
5745MHz	17
5785MHz	17.5
5825MHz	17
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	11
5230MHz	11.5
5755MHz	16.5
5795MHz	16.5
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	11
5775MHz	16.5

ENS500EXT-ACv2_Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	16
5200MHz	16
5240MHz	16
5745MHz	25.5
5785MHz	26
5825MHz	26
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	16
5200MHz	16
5240MHz	16.5
5745MHz	25.5
5785MHz	26
5825MHz	26
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	15.5
5230MHz	15.5

Mode	Power Setting
5755MHz	26
5795MHz	25.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	15.5
5775MHz	20

ENS500EXT-ACv2_Beamforming

Mode	Power Setting
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	13
5200MHz	13
5240MHz	13.5
5745MHz	22
5785MHz	22
5825MHz	21.5
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	12.5
5230MHz	12.5
5755MHz	22
5795MHz	21.5
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	12.5
5775MHz	17

EnStation5-ACv2_Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	4.5
5200MHz	4.5
5240MHz	4.5
5745MHz	18
5785MHz	18
5825MHz	18
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	5
5200MHz	5

Mode	Power Setting
5240MHz	5
5745MHz	18
5785MHz	18
5825MHz	18
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	4
5230MHz	4
5755MHz	17.5
5795MHz	17.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	4.5
5775MHz	16.5

EnStation5-ACv2_Beamforming

Mode	Power Setting
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	2
5200MHz	2
5240MHz	2.5
5745MHz	15
5785MHz	15.5
5825MHz	15
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	1
5230MHz	1.5
5755MHz	14.5
5795MHz	14.5
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	1
5775MHz	14.5

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, ENS500-ACv2
2	PoE mode, ENS500EXT-ACv2
3	PoE mode, EnStation5-ACv2

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, ENS500-ACv2		
2	PoE mode, ENS500EXT-ACv2		
3	PoE mode, EnStation5-ACv2		
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	WLAN 2.4GHz+ WLAN 5GHz
Refer to Sporton Test Report No.: FA961714 for Co-location RF Exposure Evaluation.	

2.4 Accessories and Support Equipment

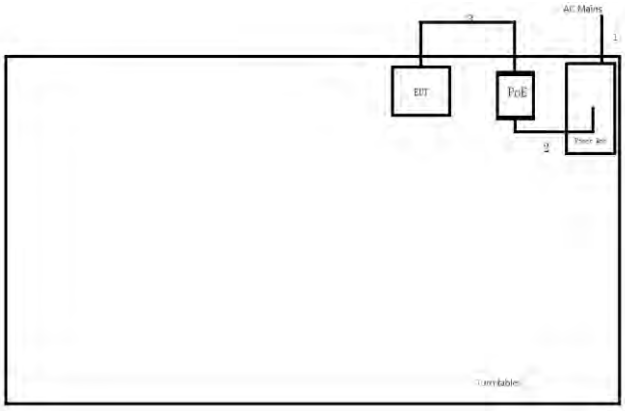
Accessories				
PoE 1	**Brand Name**	EnGenius	**Model Name**	EPA2406GR
	Manufacturer	EnGenius	**SN**	-
	Power Rating	I/P: 100 - 240Vac, 0.4 A, O/P: 24 Vdc, 0.6 A		
PoE 2	**Brand Name**	EnGenius	**Model Name**	EPA2406GR
	Manufacturer	EnGenius	**SN**	-
	Power Rating	I/P: 100 - 240Vac, 0.4 A, O/P: 24 Vdc, 0.6 A		
PoE 3	**Brand Name**	EnGenius	**Model Name**	EPA2406GR
	Manufacturer	EnGenius	**SN**	-
	Power Rating	I/P: 100 - 240Vac, 0.4 A, O/P: 24 Vdc, 0.6 A		
Power Cable 1	**Brand Name**	EnGenius	**Model Name**	-
	Manufacturer	-	**SN**	-
	Power Cord	0.5 meter, non-shielded cable, w/o ferrite core		
Power Cable 2	**Brand Name**	EnGenius	**Model Name**	-
	Manufacturer	-	**SN**	-
	Power Cord	0.5 meter, non-shielded cable, w/o ferrite core		
Power Cable 3	**Brand Name**	EnGenius	**Model Name**	-
	Manufacturer	-	**SN**	-
	Power Cord	0.5 meter, non-shielded cable, w/o ferrite core		

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

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

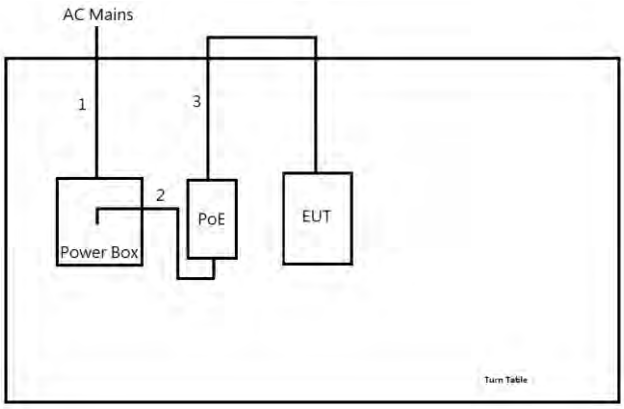
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	AC Power line	No	0.5	-
3	LAN Cable	No	1.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	AC Power line	No	0.5	-
3	LAN Cable	No	2.0	-

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

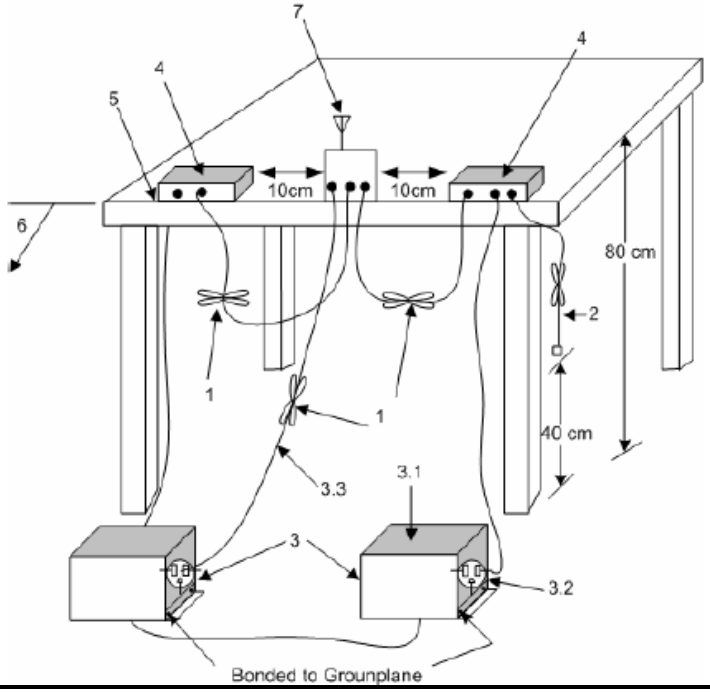
Refer a test equipment and calibration data table in this test report.

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, N/A
☐ For the 5.47-5.725 GHz band, N/A
☒ For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

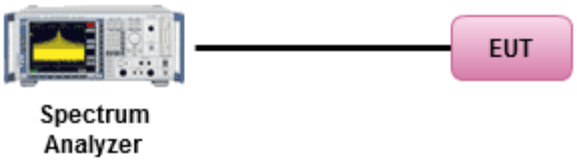
3.2.2 Measuring Instruments

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.	

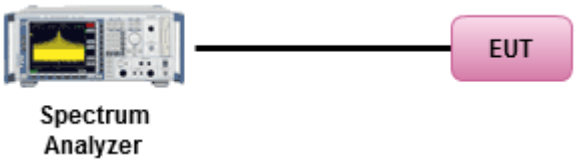
3.4.2 Measuring Instruments

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).	

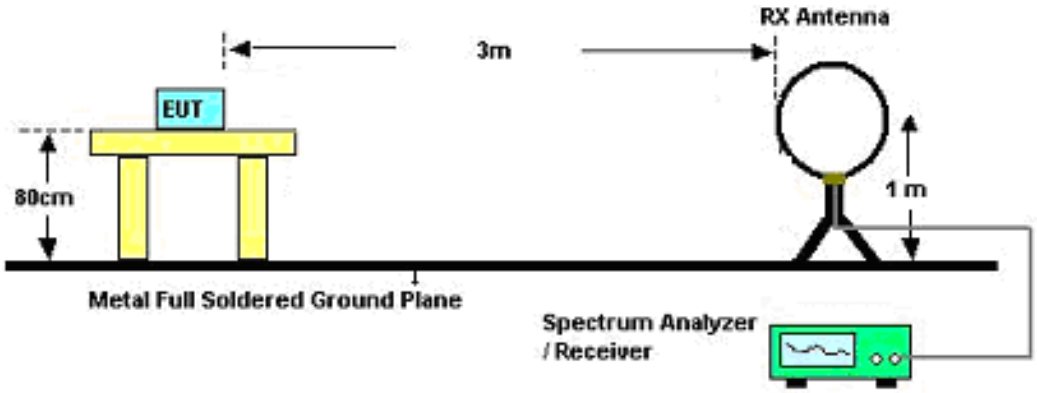
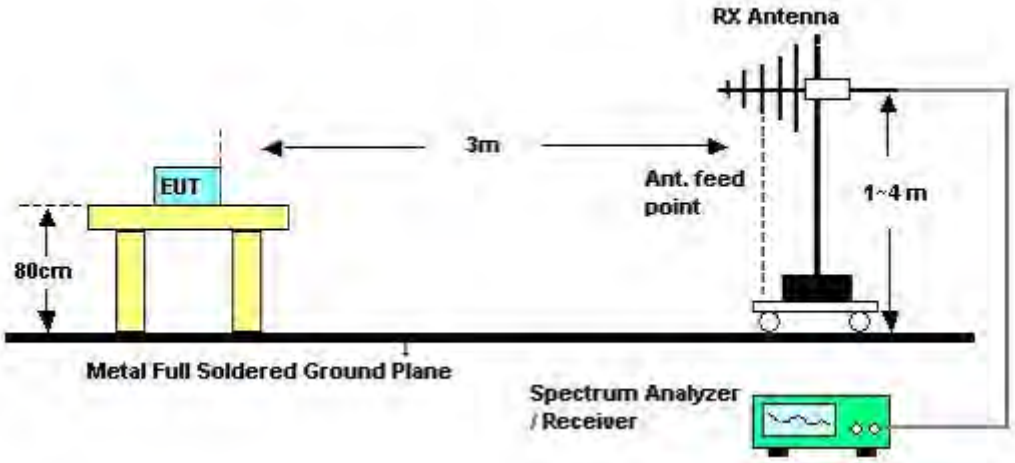
3.5.2 Measuring Instruments

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

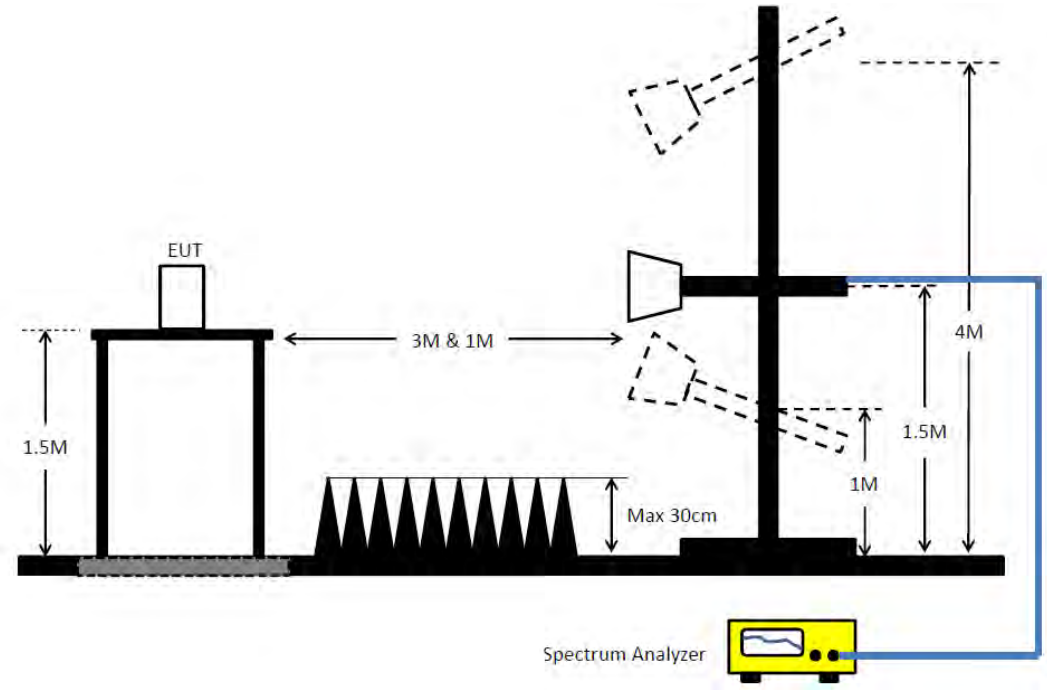
3.5.3 Test Procedures

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
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	13/Mar/2019	12/Mar/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	19/Feb/2019	18/Feb/2020
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	19/Feb/2019	18/Feb/2020
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz~18GHz	21/Mar/2019	20/Mar/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz~18GHz	21/Mar/2019	20/Mar/2020
Cable 0.5m	HUBER	MY10714/4	RF Cable – 05	30MHz~18GHz	21/Mar/2019	20/Mar/2020

NCR : Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
LISN	R&S	ENV 216	101274	9kHz ~ 30MHz	03/Jun/2019	02/Jun/2020
RF Cable-CON	MTJ	RG142	CB001-CO	9kHz ~ 30MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11003G	F308010045	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561F	9495	9kHz ~ 30MHz	11/Oct/2018	10/Oct/2019

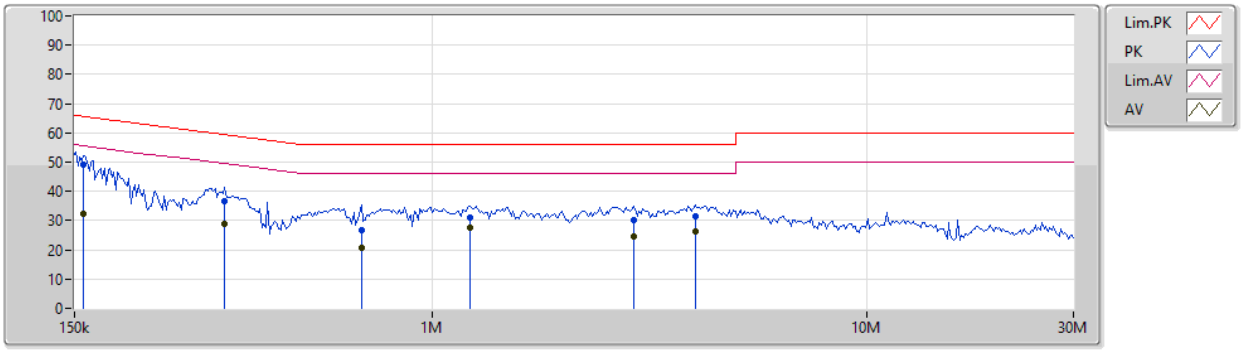
NCR : Non-Calibration Require

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	19/Oct/2018	18/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	17/Oct/2018	16/Oct/2019
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	27Jul/2018	02/Jul/2019
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	23/Oct/2018	22/Oct/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	18/Jan/2019	17/Jan/2020
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	18/Jan/2019	17/Jan/2020
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz ~ 1GHz	08/Sep/2018	07/Sep/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
EMI Test Receiver	R&S	ESR	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	15/Mar/2019	14/Mar/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz ~ 40GHz	22/Mar/2019	21/Mar/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 01543	1GHz ~ 18GHz	03/Jun/2019	02/Jun/2020

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode - ENS500-ACv2		

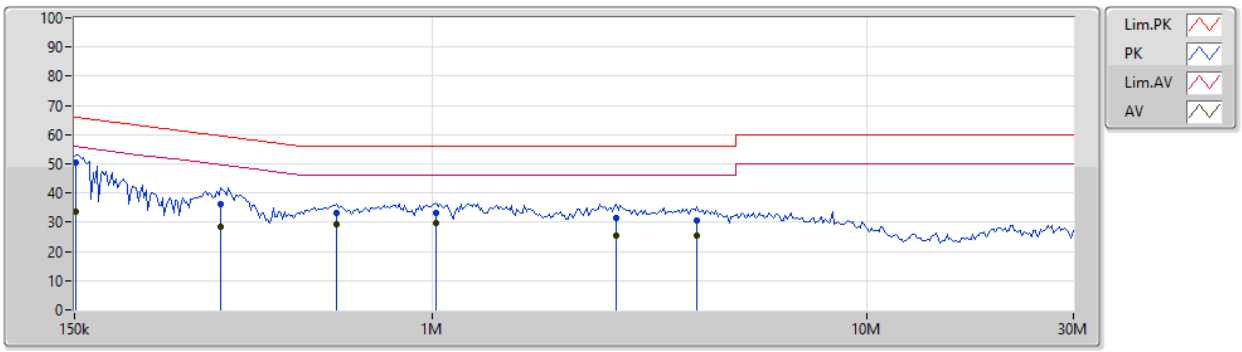
24/06/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	157.652k	49.29	65.58	-16.29	19.52	Neutral	"Worst"	29.77	9.65	0.01	9.86
AV	157.652k	32.46	55.58	-23.12	19.52	Neutral	-	12.94	9.65	0.01	9.86
QP	332.507k	36.83	59.38	-22.55	19.51	Neutral	-	17.32	9.64	0.01	9.86
AV	332.507k	28.92	49.38	-20.46	19.51	Neutral	-	9.41	9.64	0.01	9.86
QP	687.482k	26.55	56.00	-29.45	19.51	Neutral	-	7.04	9.64	0.01	9.86
AV	687.482k	20.74	46.00	-25.26	19.51	Neutral	-	1.23	9.64	0.01	9.86
QP	1.224M	30.88	56.00	-25.12	19.52	Neutral	-	11.36	9.64	0.02	9.86
AV	1.224M	27.42	46.00	-18.58	19.52	Neutral	-	7.90	9.64	0.02	9.86
QP	2.91M	29.99	56.00	-26.01	19.58	Neutral	-	10.41	9.66	0.04	9.88
AV	2.91M	24.52	46.00	-21.48	19.58	Neutral	-	4.94	9.66	0.04	9.88
QP	4.041M	31.28	56.00	-24.72	19.59	Neutral	-	11.69	9.66	0.05	9.88
AV	4.041M	26.21	46.00	-19.79	19.59	Neutral	-	6.62	9.66	0.05	9.88

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode - ENS500-ACv2		

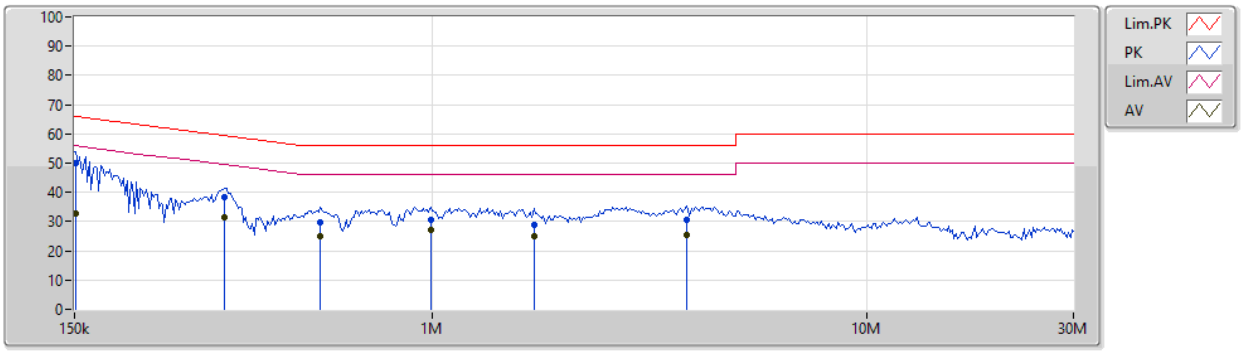
24/06/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	151.5k	50.32	65.92	-15.60	19.48	Line	"Worst"	30.84	9.61	0.01	9.86
AV	151.5k	33.45	55.92	-22.47	19.48	Line	-	13.97	9.61	0.01	9.86
QP	325.956k	36.19	59.56	-23.37	19.48	Line	-	16.71	9.61	0.01	9.86
AV	325.956k	28.58	49.56	-20.98	19.48	Line	-	9.10	9.61	0.01	9.86
QP	604.065k	33.12	56.00	-22.88	19.48	Line	-	13.64	9.61	0.01	9.86
AV	604.065k	29.50	46.00	-16.50	19.48	Line	-	10.02	9.61	0.01	9.86
QP	1.024M	33.27	56.00	-22.73	19.49	Line	-	13.78	9.61	0.02	9.86
AV	1.024M	29.90	46.00	-16.10	19.49	Line	-	10.41	9.61	0.02	9.86
QP	2.661M	31.44	56.00	-24.56	19.53	Line	-	11.91	9.62	0.04	9.87
AV	2.661M	25.64	46.00	-20.36	19.53	Line	-	6.11	9.62	0.04	9.87
QP	4.081M	30.55	56.00	-25.45	19.56	Line	-	10.99	9.63	0.05	9.88
AV	4.081M	25.35	46.00	-20.65	19.56	Line	-	5.79	9.63	0.05	9.88

AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Neutral
Operating Function	PoE mode - ENS500EXT-ACv2		

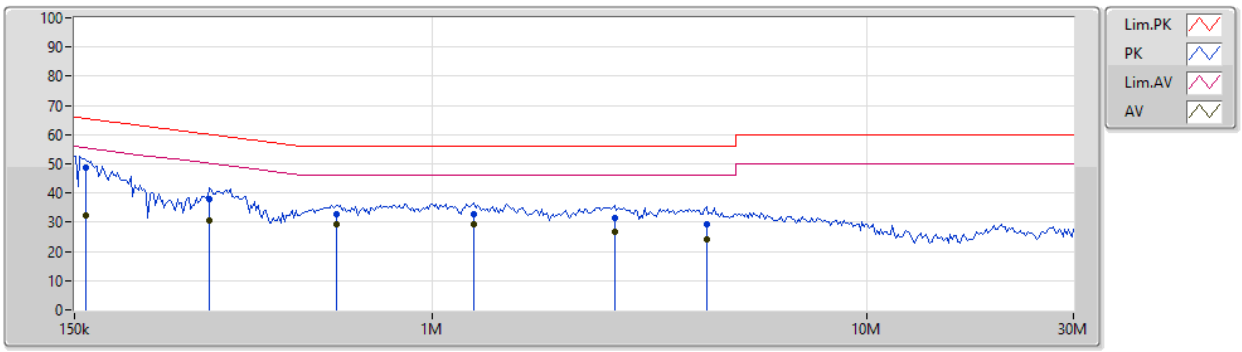
24/06/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	151.5k	50.02	65.92	-15.90	19.52	Neutral	"Worst"	30.50	9.65	0.01	9.86
AV	151.5k	32.72	55.92	-23.20	19.52	Neutral	-	13.20	9.65	0.01	9.86
QP	332.507k	38.53	59.38	-20.85	19.51	Neutral	-	19.02	9.64	0.01	9.86
AV	332.507k	31.29	49.38	-18.09	19.51	Neutral	-	11.78	9.64	0.01	9.86
QP	552.321k	29.63	56.00	-26.37	19.51	Neutral	-	10.12	9.64	0.01	9.86
AV	552.321k	24.94	46.00	-21.06	19.51	Neutral	-	5.43	9.64	0.01	9.86
QP	993.464k	30.70	56.00	-25.30	19.52	Neutral	-	11.18	9.64	0.02	9.86
AV	993.464k	27.07	46.00	-18.93	19.52	Neutral	-	7.55	9.64	0.02	9.86
QP	1.717M	29.00	56.00	-27.00	19.55	Neutral	-	9.45	9.65	0.03	9.87
AV	1.717M	24.93	46.00	-21.07	19.55	Neutral	-	5.38	9.65	0.03	9.87
QP	3.845M	30.70	56.00	-25.30	19.58	Neutral	-	11.12	9.66	0.04	9.88
AV	3.845M	25.62	46.00	-20.38	19.58	Neutral	-	6.04	9.66	0.04	9.88

AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Line
Operating Function	PoE mode - ENS500EXT-ACv2		

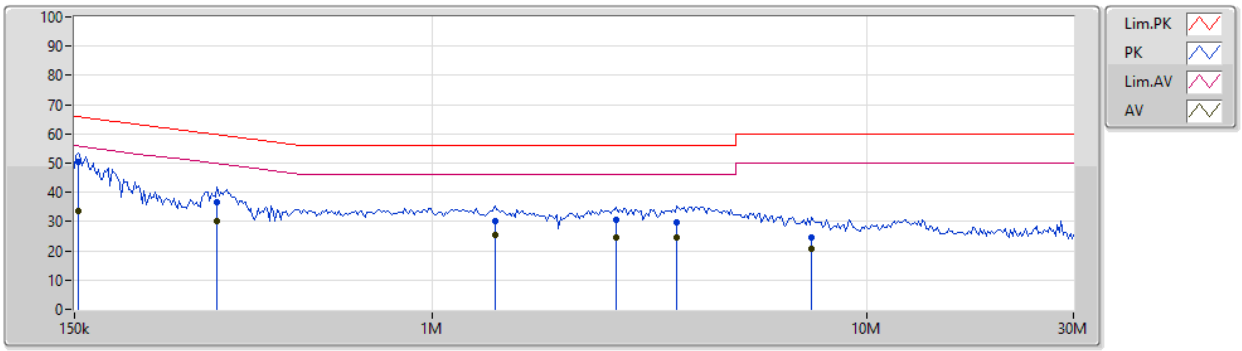
24/06/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159.228k	48.80	65.50	-16.70	19.48	Line	-	29.32	9.61	0.01	9.86
AV	159.228k	32.32	55.50	-23.18	19.48	Line	-	12.84	9.61	0.01	9.86
QP	307.065k	38.09	60.05	-21.96	19.48	Line	-	18.61	9.61	0.01	9.86
AV	307.065k	30.45	50.05	-19.60	19.48	Line	-	10.97	9.61	0.01	9.86
QP	604.065k	32.84	56.00	-23.16	19.48	Line	-	13.36	9.61	0.01	9.86
AV	604.065k	29.11	46.00	-16.89	19.48	Line	-	9.63	9.61	0.01	9.86
QP	1.249M	32.88	56.00	-23.12	19.49	Line	-	13.39	9.61	0.02	9.86
AV	1.249M	29.32	46.00	-16.68	19.49	Line	"Worst"	9.83	9.61	0.02	9.86
QP	2.634M	31.61	56.00	-24.39	19.53	Line	-	12.08	9.62	0.04	9.87
AV	2.634M	26.52	46.00	-19.48	19.53	Line	-	6.99	9.62	0.04	9.87
QP	4.289M	29.48	56.00	-26.52	19.56	Line	-	9.92	9.63	0.05	9.88
AV	4.289M	24.27	46.00	-21.73	19.56	Line	-	4.71	9.63	0.05	9.88

AC Power-line Conducted Emissions Result			
Operating Mode	3	**Power Phase**	Neutral
Operating Function	PoE mode - EnStation5-ACv2		

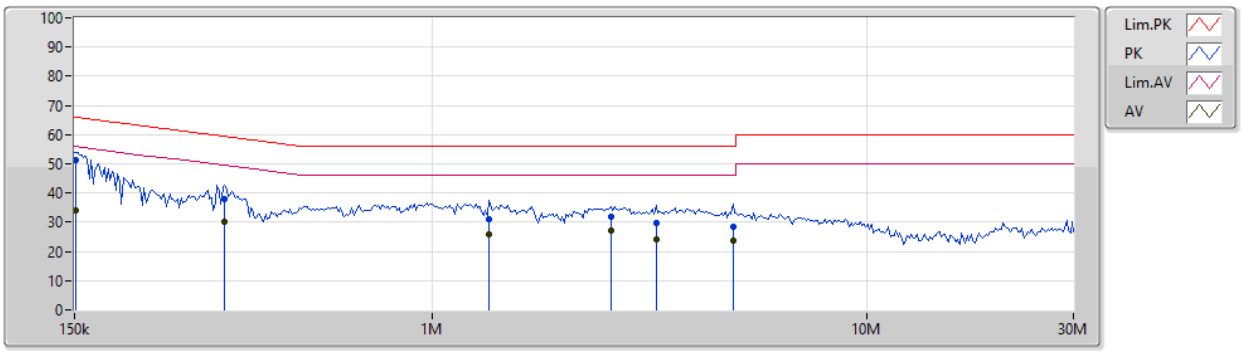
24/06/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	153.015k	50.28	65.83	-15.55	19.52	Neutral	-	30.76	9.65	0.01	9.86
AV	153.015k	33.51	55.83	-22.32	19.52	Neutral	-	13.99	9.65	0.01	9.86
QP	319.533k	36.75	59.71	-22.96	19.51	Neutral	-	17.24	9.64	0.01	9.86
AV	319.533k	30.22	49.71	-19.49	19.51	Neutral	-	10.71	9.64	0.01	9.86
QP	1.393M	30.13	56.00	-25.87	19.53	Neutral	-	10.60	9.64	0.03	9.86
AV	1.393M	25.58	46.00	-20.42	19.53	Neutral	-	6.05	9.64	0.03	9.86
QP	2.661M	30.47	56.00	-25.53	19.56	Neutral	-	10.91	9.65	0.04	9.87
AV	2.661M	24.78	46.00	-21.22	19.56	Neutral	-	5.22	9.65	0.04	9.87
QP	3.658M	29.71	56.00	-26.29	19.58	Neutral	-	10.13	9.66	0.04	9.88
AV	3.658M	24.52	46.00	-21.48	19.58	Neutral	-	4.94	9.66	0.04	9.88
QP	7.488M	24.73	60.00	-35.27	19.64	Neutral	-	5.09	9.69	0.06	9.89
AV	7.488M	20.80	50.00	-29.20	19.64	Neutral	-	1.16	9.69	0.06	9.89

AC Power-line Conducted Emissions Result			
Operating Mode	3	**Power Phase**	Line
Operating Function	PoE mode - EnStation5-ACv2		

24/06/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	151.5k	51.22	65.92	-14.70	19.48	Line	"Worst"	31.74	9.61	0.01	9.86
AV	151.5k	33.95	55.92	-21.97	19.48	Line	-	14.47	9.61	0.01	9.86
QP	332.507k	38.01	59.38	-21.37	19.48	Line	-	18.53	9.61	0.01	9.86
AV	332.507k	30.30	49.38	-19.08	19.48	Line	-	10.82	9.61	0.01	9.86
QP	1.352M	31.17	56.00	-24.83	19.50	Line	-	11.67	9.61	0.03	9.86
AV	1.352M	25.94	46.00	-20.06	19.50	Line	-	6.44	9.61	0.03	9.86
QP	2.582M	31.81	56.00	-24.19	19.53	Line	-	12.28	9.62	0.04	9.87
AV	2.582M	27.02	46.00	-18.98	19.53	Line	-	7.49	9.62	0.04	9.87
QP	3.279M	29.75	56.00	-26.25	19.55	Line	-	10.20	9.63	0.04	9.88
AV	3.279M	24.18	46.00	-21.82	19.55	Line	-	4.63	9.63	0.04	9.88
QP	4.931M	28.48	56.00	-27.52	19.57	Line	-	8.91	9.64	0.05	9.88
AV	4.931M	23.73	46.00	-22.27	19.57	Line	-	4.16	9.64	0.05	9.88

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.83M	16.432M	16M4D1D	19.71M	16.402M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.73M	17.631M	17M6D1D	20.49M	17.571M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.08M	35.982M	36M0D1D	39.84M	35.922M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.4M	75.802M	75M8D1D	83.16M	75.682M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.32M	16.402M	16M4D1D	16.29M	16.372M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.58M	17.601M	17M6D1D	16.86M	17.571M
802.11ac VHT40_Nss1,(MCS0)_2TX	33.84M	35.922M	35M9D1D	32.58M	35.862M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.72M	75.682M	75M7D1D	75.6M	75.682M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

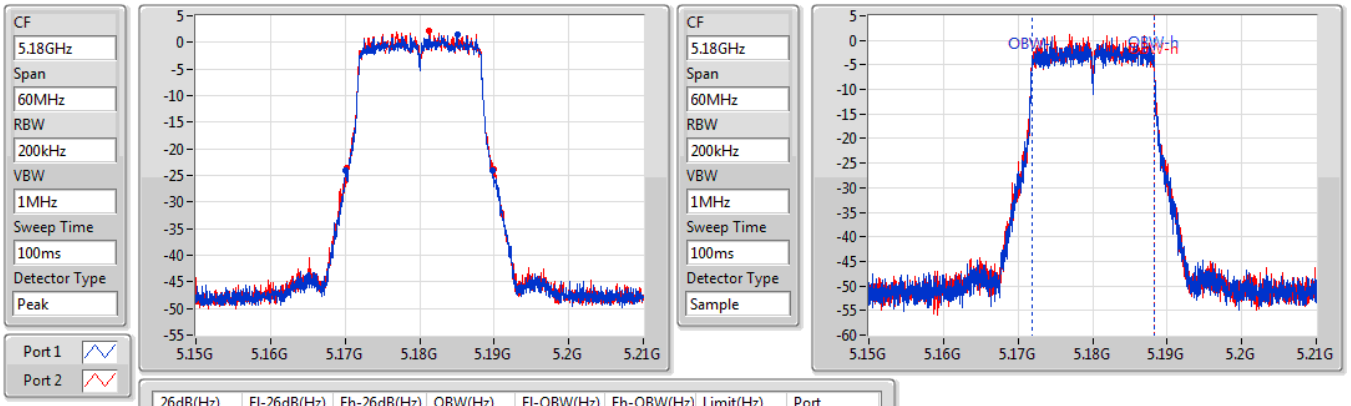
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.74M	16.432M	19.8M	16.432M
5200MHz	Pass	Inf	19.71M	16.432M	19.83M	16.432M
5240MHz	Pass	Inf	19.71M	16.432M	19.74M	16.402M
5745MHz	Pass	500k	16.29M	16.402M	16.32M	16.402M
5785MHz	Pass	500k	16.29M	16.402M	16.32M	16.402M
5825MHz	Pass	500k	16.29M	16.372M	16.32M	16.402M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.58M	17.631M	20.58M	17.601M
5200MHz	Pass	Inf	20.61M	17.631M	20.49M	17.631M
5240MHz	Pass	Inf	20.67M	17.571M	20.73M	17.631M
5745MHz	Pass	500k	16.86M	17.571M	17.55M	17.601M
5785MHz	Pass	500k	17.16M	17.601M	17.58M	17.601M
5825MHz	Pass	500k	16.89M	17.571M	17.28M	17.601M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.84M	35.922M	39.96M	35.982M
5230MHz	Pass	Inf	40.08M	35.922M	39.9M	35.922M
5755MHz	Pass	500k	33.72M	35.922M	32.58M	35.862M
5795MHz	Pass	500k	33.84M	35.922M	33.78M	35.922M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.16M	75.802M	83.4M	75.682M
5775MHz	Pass	500k	75.72M	75.682M	75.6M	75.682M

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

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

21/06/2019

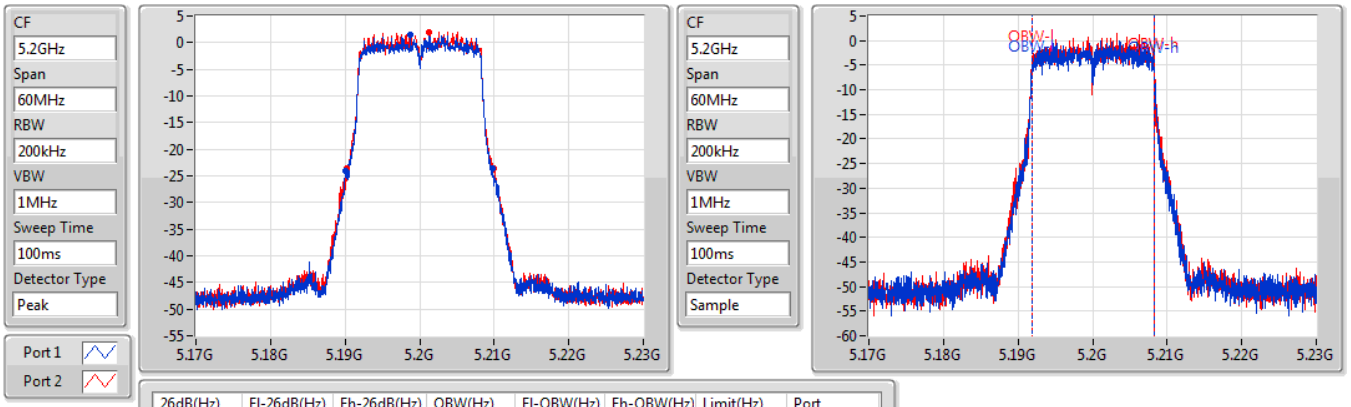


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.74M	5.17007G	5.18981G	16.432M	5.171844G	5.188276G	Inf	1
19.8M	5.17016G	5.18996G	16.432M	5.171844G	5.188276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

21/06/2019

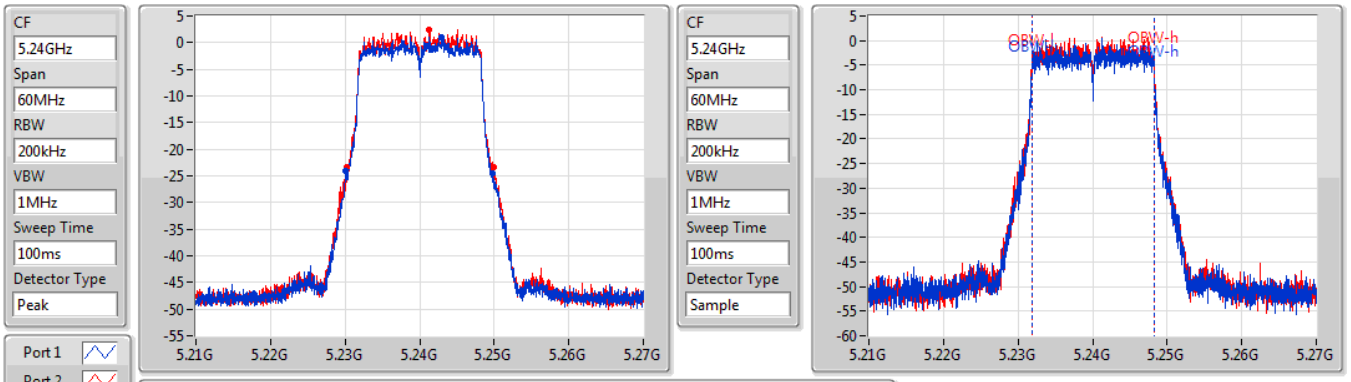


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.71M	5.19004G	5.20975G	16.432M	5.191844G	5.208276G	Inf	1
19.83M	5.19016G	5.20999G	16.432M	5.191844G	5.208276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

21/06/2019

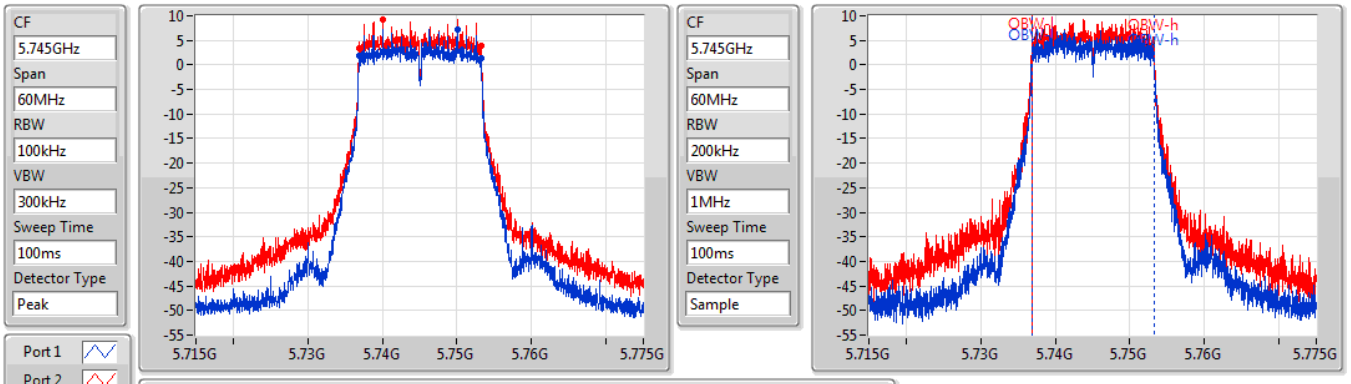


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.71M	5.23004G	5.24975G	16.432M	5.231844G	5.248276G	Inf	1
19.74M	5.23025G	5.24999G	16.402M	5.231844G	5.248246G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

21/06/2019

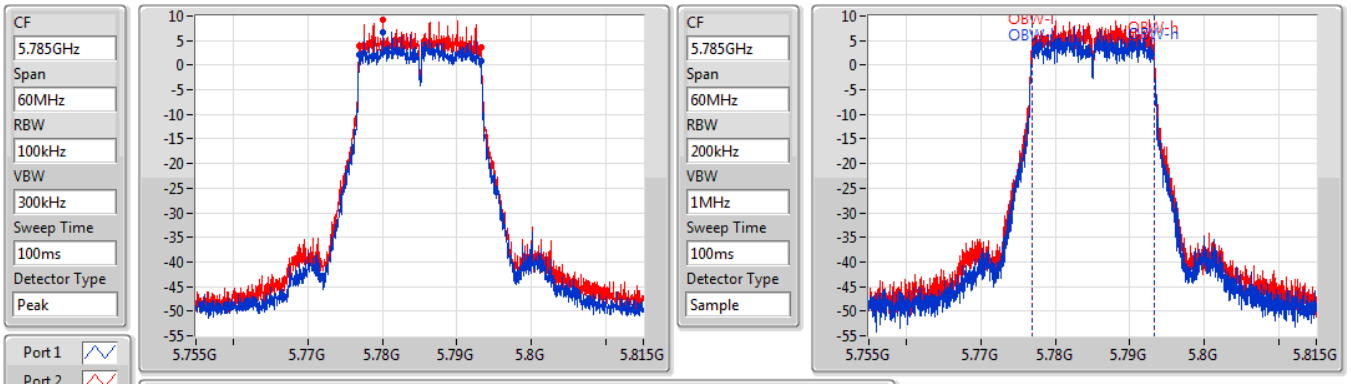


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.7369G	5.75319G	16.402M	5.736844G	5.753246G	500k	1
16.32M	5.7369G	5.75322G	16.402M	5.736844G	5.753246G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

21/06/2019

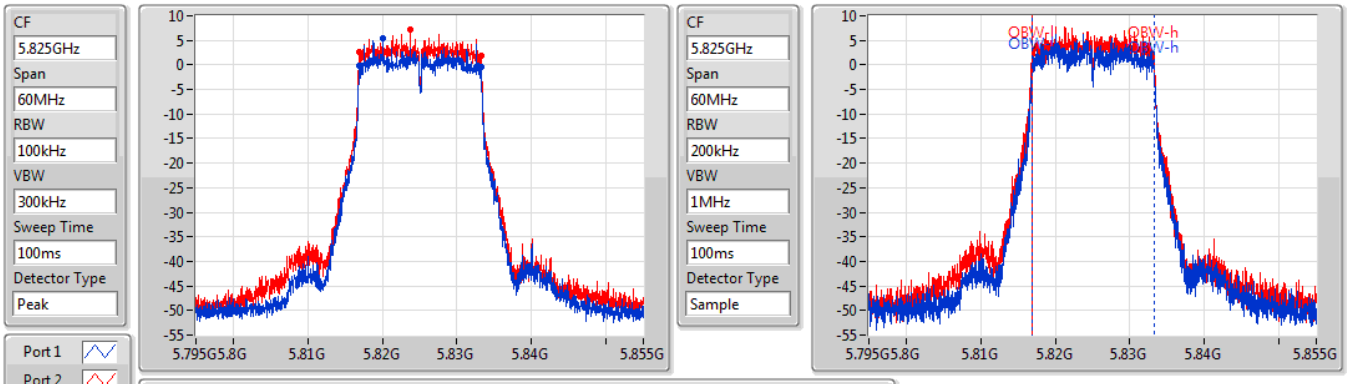


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.7769G	5.79319G	16.402M	5.776844G	5.793246G	500k	1
16.32M	5.7769G	5.79322G	16.402M	5.776844G	5.793246G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

21/06/2019

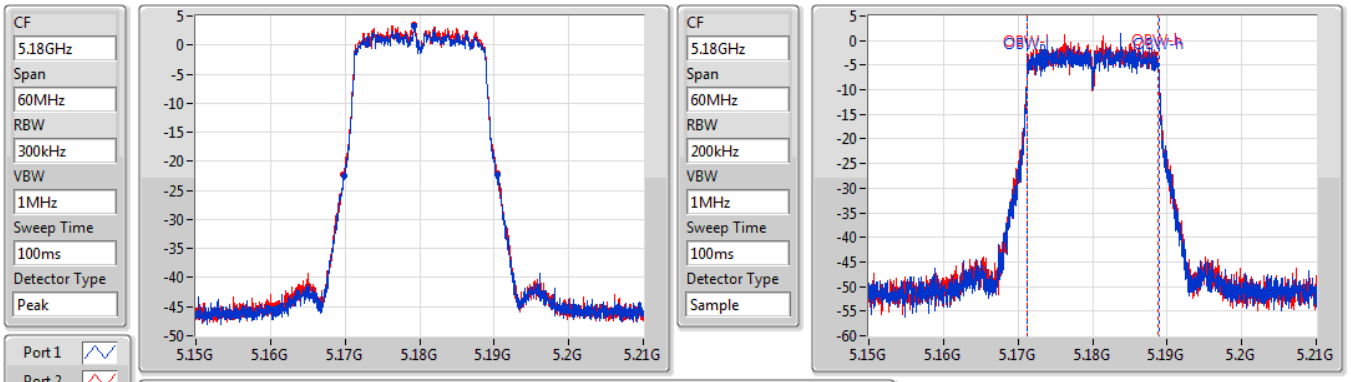


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.81693G	5.83322G	16.372M	5.816874G	5.833246G	500k	1
16.32M	5.8169G	5.83322G	16.402M	5.816844G	5.833246G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

21/06/2019

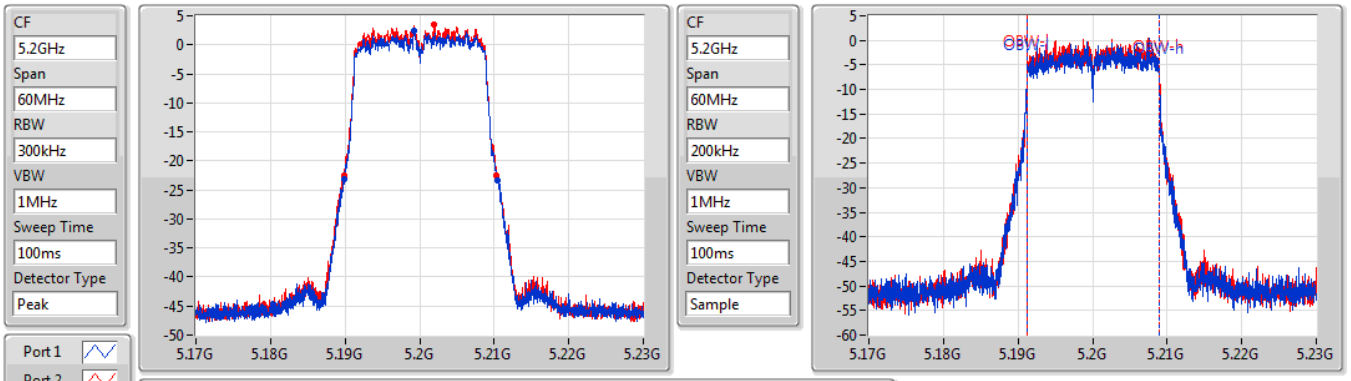


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.58M	5.16983G	5.19041G	17.631M	5.171244G	5.188876G	Inf	1
20.58M	5.1698G	5.19038G	17.601M	5.171244G	5.188846G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

21/06/2019

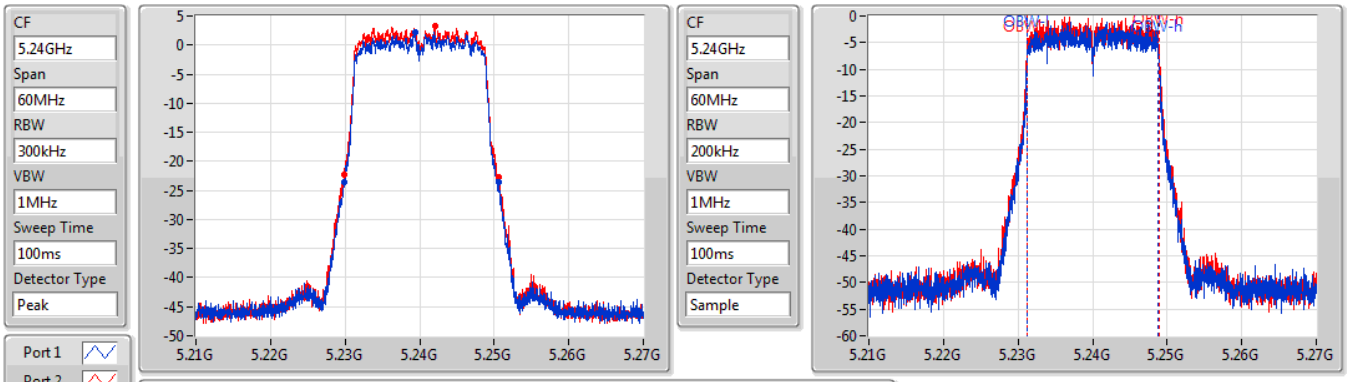


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.61M	5.18989G	5.2105G	17.631M	5.191244G	5.208876G	Inf	1
20.49M	5.18986G	5.21035G	17.631M	5.191244G	5.208876G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

21/06/2019

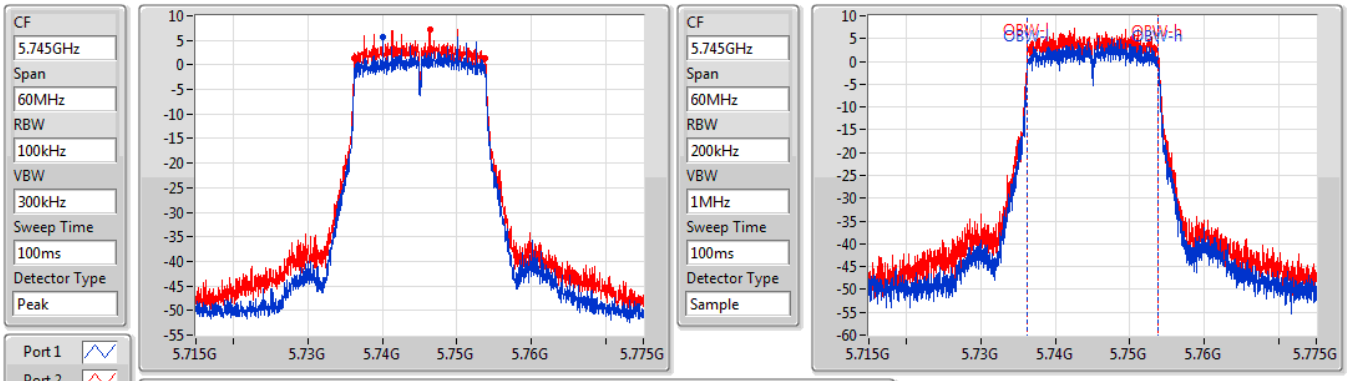


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.67M	5.22992G	5.25059G	17.571M	5.231274G	5.248846G	Inf	1
20.73M	5.22986G	5.25059G	17.631M	5.231244G	5.248876G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

21/06/2019

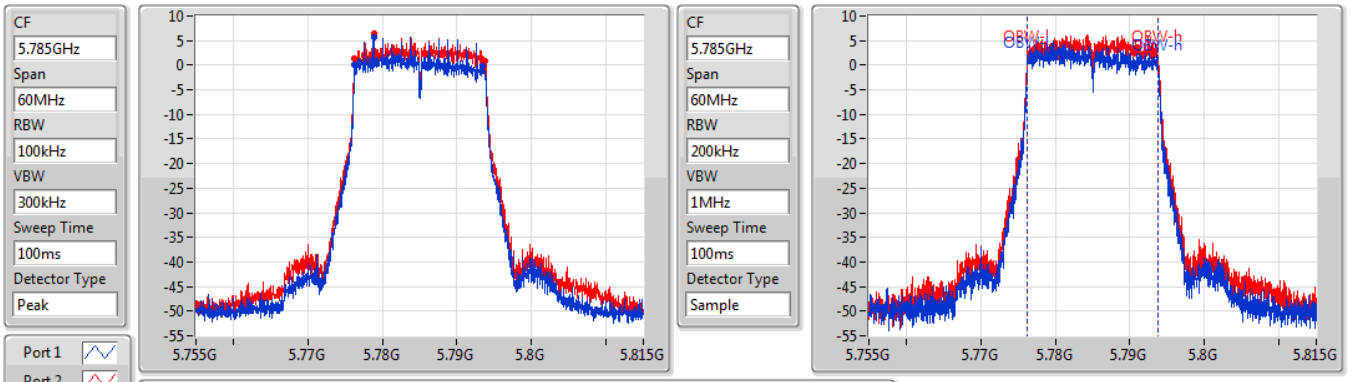


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.86M	5.73666G	5.75352G	17.571M	5.736274G	5.753846G	500k	1
17.55M	5.73627G	5.75382G	17.601M	5.736244G	5.753846G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

21/06/2019

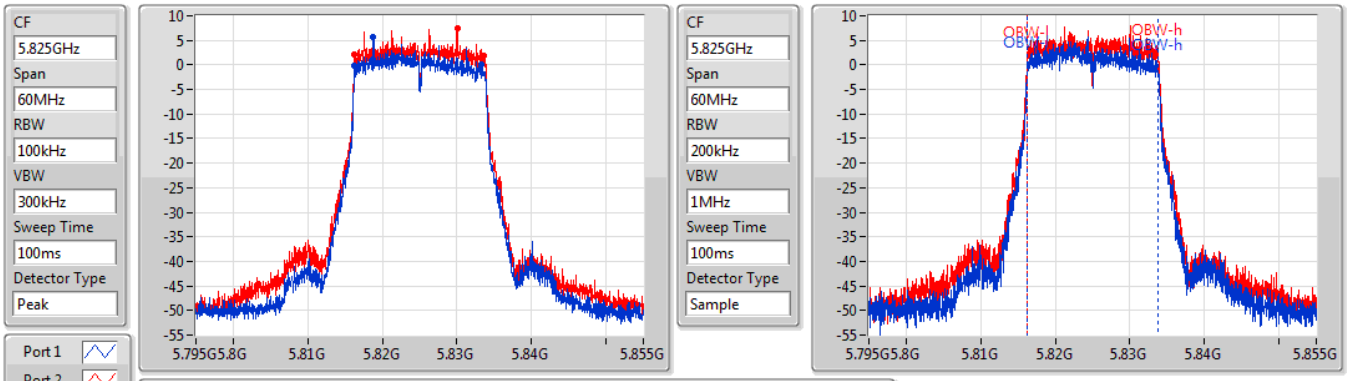


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.16M	5.7763G	5.79346G	17.601M	5.776244G	5.793846G	500k	1
17.58M	5.77627G	5.79385G	17.601M	5.776244G	5.793846G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

21/06/2019

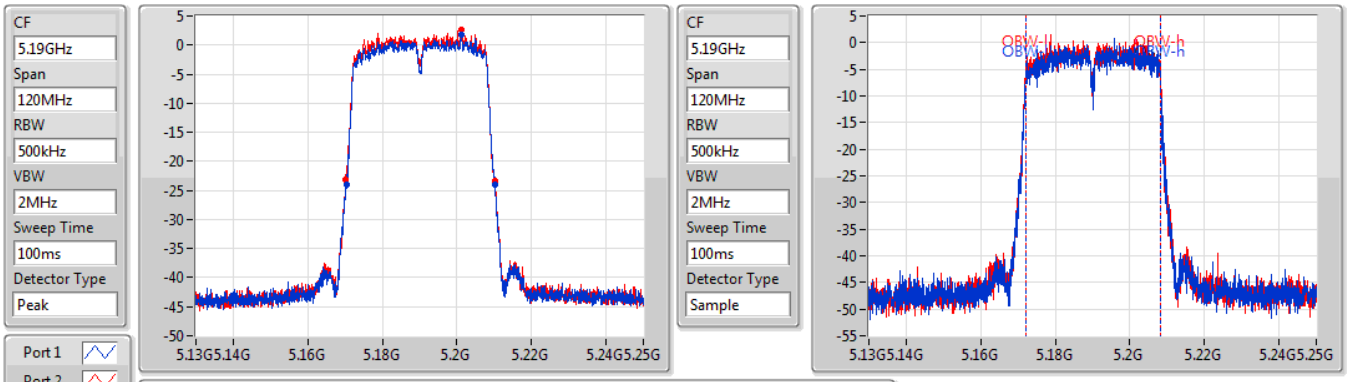


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.89M	5.8163G	5.83319G	17.571M	5.816244G	5.833816G	500k	1
17.28M	5.8163G	5.83358G	17.601M	5.816244G	5.833846G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

21/06/2019

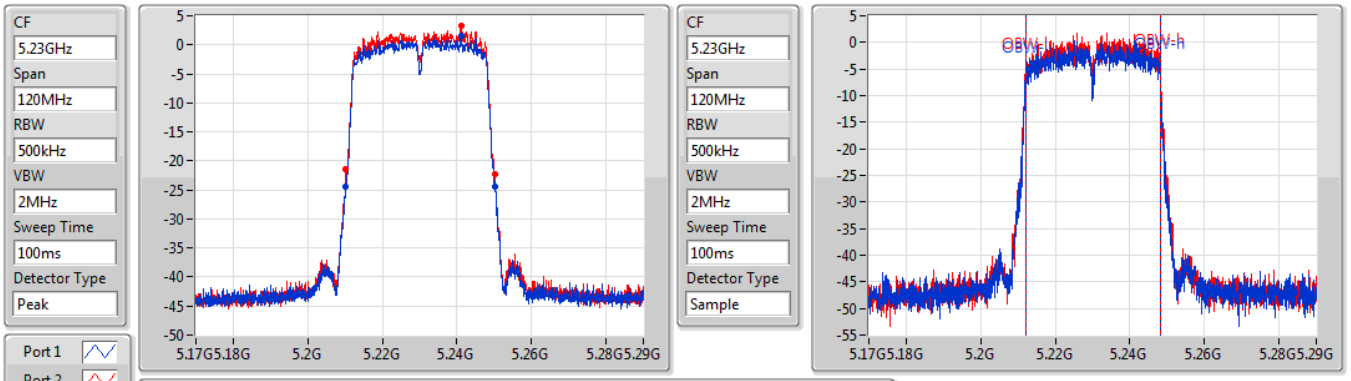


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.84M	5.17038G	5.21022G	35.922M	5.172129G	5.208051G	Inf	1
39.96M	5.1702G	5.21016G	35.982M	5.172069G	5.208051G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

21/06/2019

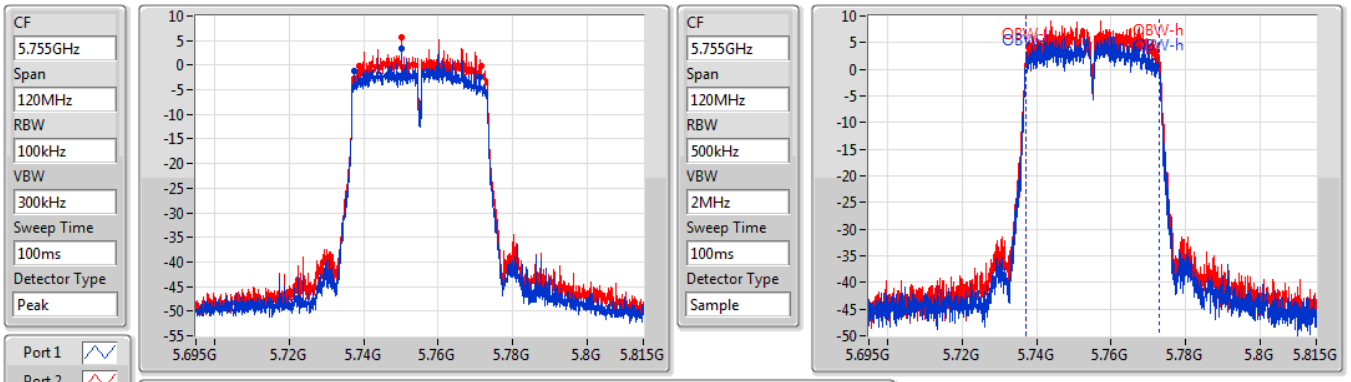


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.2102G	5.25028G	35.922M	5.212129G	5.248051G	Inf	1
39.9M	5.2102G	5.2501G	35.922M	5.212129G	5.248051G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

21/06/2019

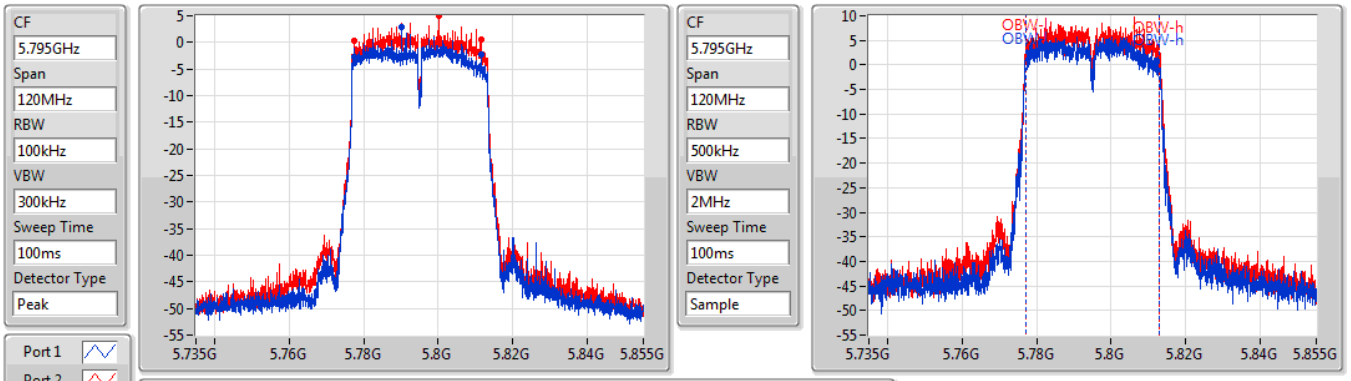


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.72M	5.73754G	5.77126G	35.922M	5.737009G	5.772931G	500k	1
32.58M	5.7388G	5.77138G	35.862M	5.737069G	5.772931G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5795MHz

21/06/2019

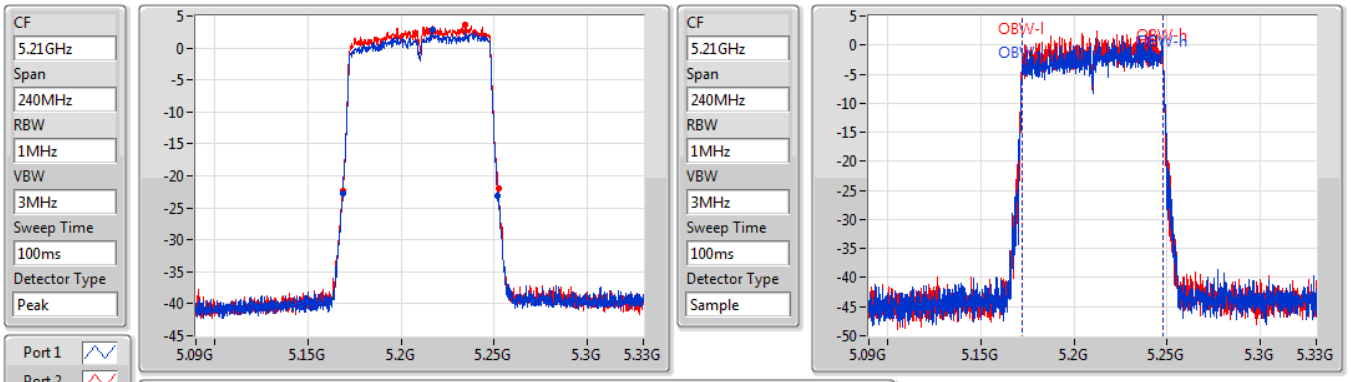


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.84M	5.77754G	5.81138G	35.922M	5.777009G	5.812931G	500k	1
33.78M	5.7776G	5.81138G	35.922M	5.777069G	5.812991G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

21/06/2019

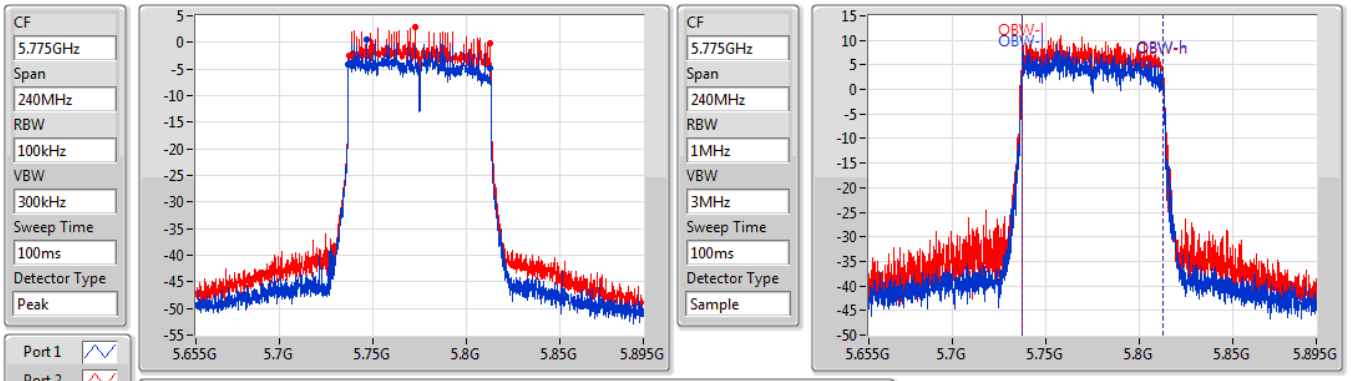


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.16M	5.16872G	5.25188G	75.802M	5.172219G	5.248021G	Inf	1
83.4M	5.16884G	5.25224G	75.682M	5.172219G	5.247901G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz

21/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.72M	5.73684G	5.81256G	75.682M	5.736979G	5.812661G	500k	1
75.6M	5.73696G	5.81256G	75.682M	5.737099G	5.812781G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.58M	17.631M	17M6D1D	20.43M	17.571M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.08M	35.982M	36M0D1D	39.84M	35.922M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	83.52M	75.682M	75M7D1D	83.28M	75.682M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.64M	17.631M	17M6D1D	16.53M	17.571M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	35.64M	35.982M	36M0D1D	33.84M	35.862M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	75.84M	75.802M	75M8D1D	74.4M	75.682M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

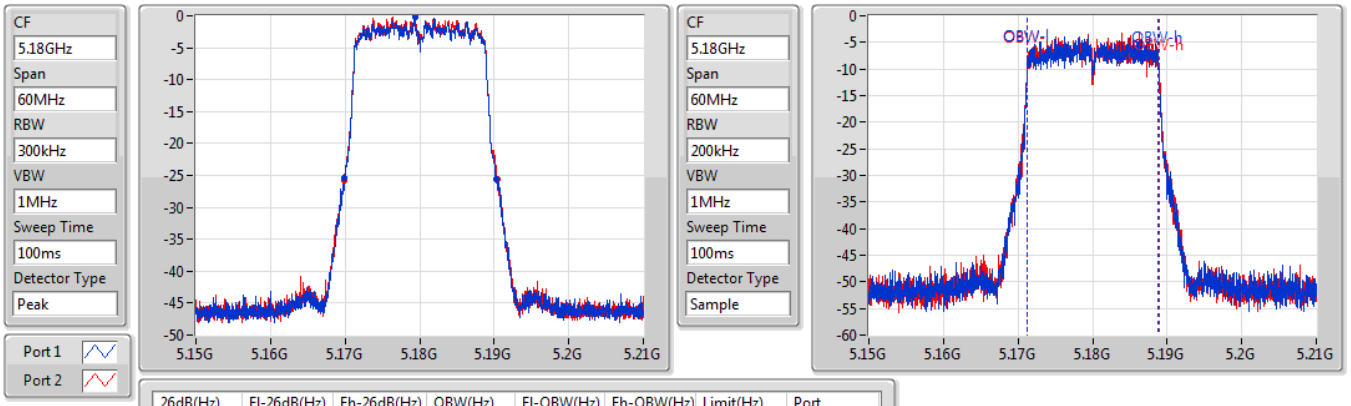
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.46M	17.601M	20.58M	17.631M
5200MHz	Pass	Inf	20.43M	17.601M	20.46M	17.601M
5240MHz	Pass	Inf	20.46M	17.571M	20.52M	17.631M
5745MHz	Pass	500k	17.28M	17.571M	17.52M	17.601M
5785MHz	Pass	500k	17.58M	17.601M	17.64M	17.631M
5825MHz	Pass	500k	16.53M	17.571M	17.31M	17.601M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.9M	35.922M	40.08M	35.982M
5230MHz	Pass	Inf	39.84M	35.922M	39.84M	35.982M
5755MHz	Pass	500k	35.64M	35.982M	33.84M	35.922M
5795MHz	Pass	500k	34.68M	35.862M	35.04M	35.922M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.28M	75.682M	83.52M	75.682M
5775MHz	Pass	500k	74.4M	75.682M	75.84M	75.802M

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

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5180MHz

21/06/2019

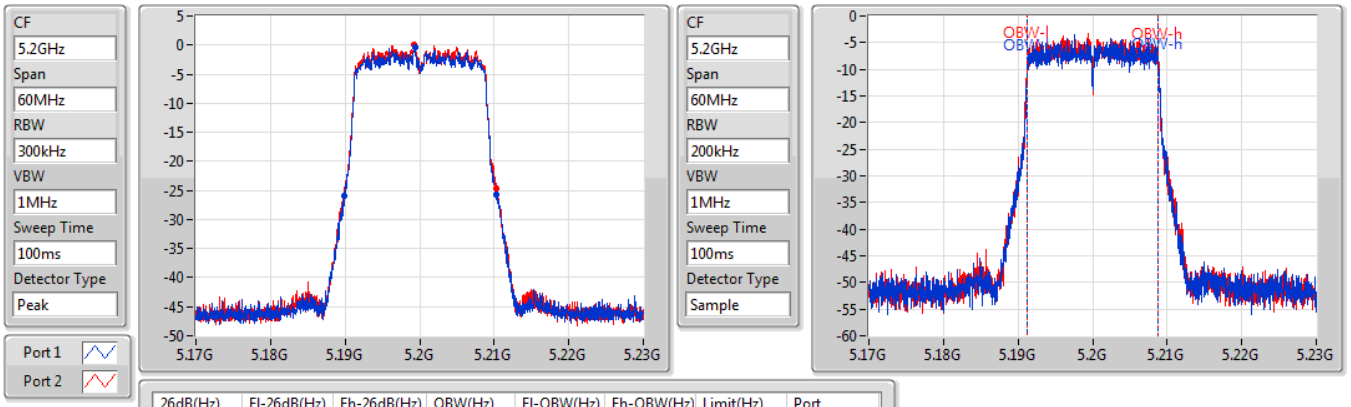


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.46M	5.16989G	5.19035G	17.601M	5.171244G	5.188846G	Inf	1
20.58M	5.16983G	5.19041G	17.631M	5.171244G	5.188876G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5200MHz

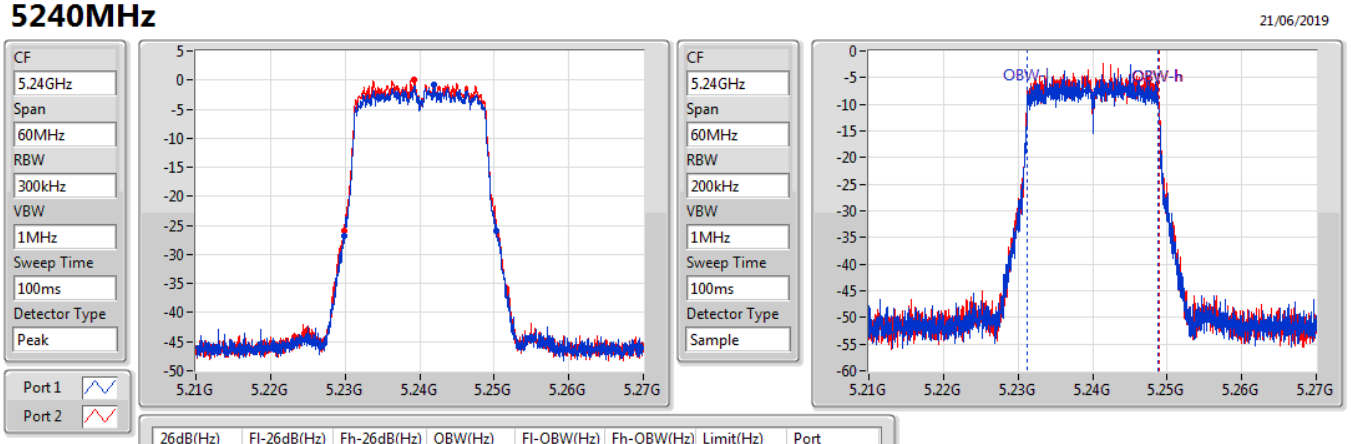
21/06/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.43M	5.18992G	5.21035G	17.601M	5.191244G	5.208846G	Inf	1
20.46M	5.18986G	5.21032G	17.601M	5.191244G	5.208846G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

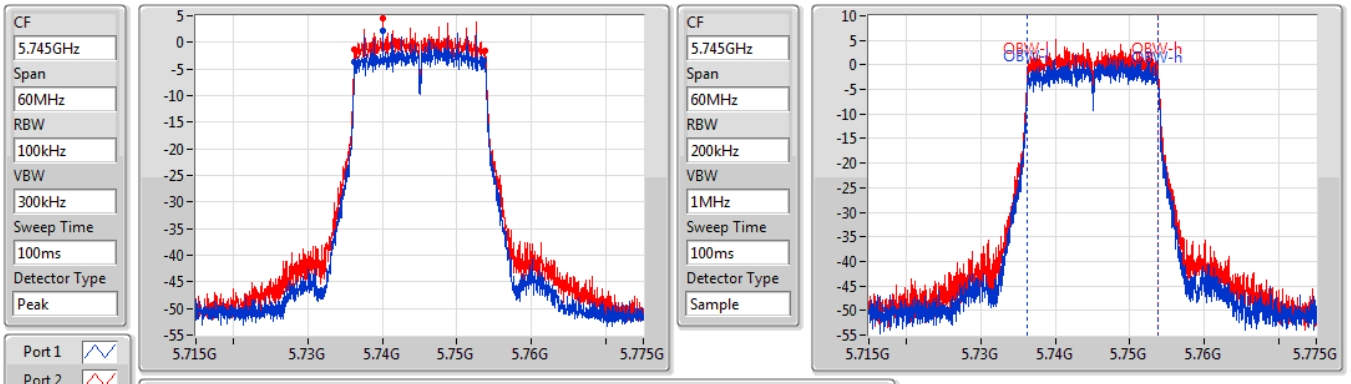
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.46M	5.22986G	5.25032G	17.571M	5.231274G	5.248846G	Inf	1
20.52M	5.22983G	5.25035G	17.631M	5.231244G	5.248876G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5745MHz

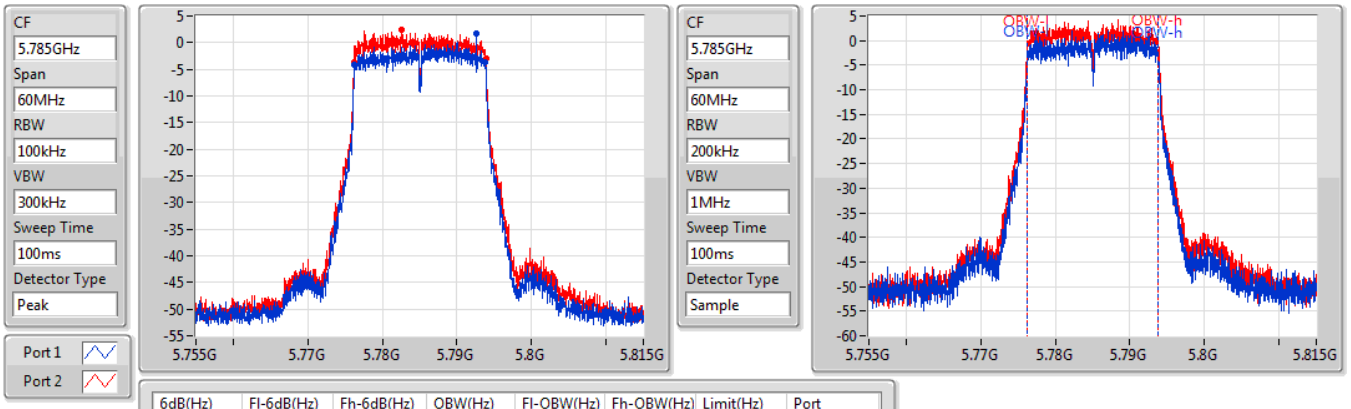


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.28M	5.7363G	5.75358G	17.571M	5.736274G	5.753846G	500k	1
17.52M	5.7363G	5.75382G	17.601M	5.736244G	5.753846G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5785MHz

21/06/2019

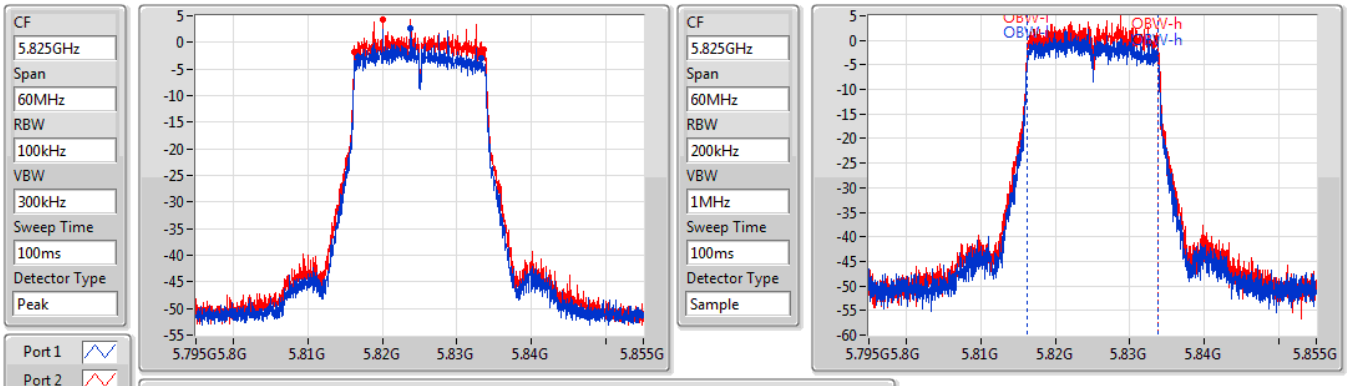


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.77627G	5.79385G	17.601M	5.776244G	5.793846G	500k	1
17.64M	5.77624G	5.79388G	17.631M	5.776214G	5.793846G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5825MHz

21/06/2019

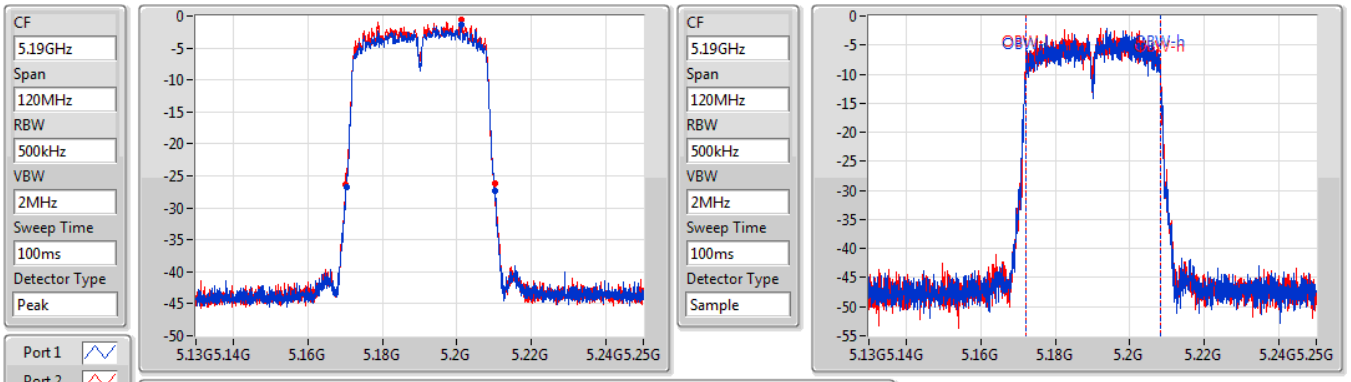


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.53M	5.81666G	5.83319G	17.571M	5.816244G	5.833816G	500k	1
17.31M	5.81627G	5.83358G	17.601M	5.816244G	5.833846G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5190MHz

21/06/2019

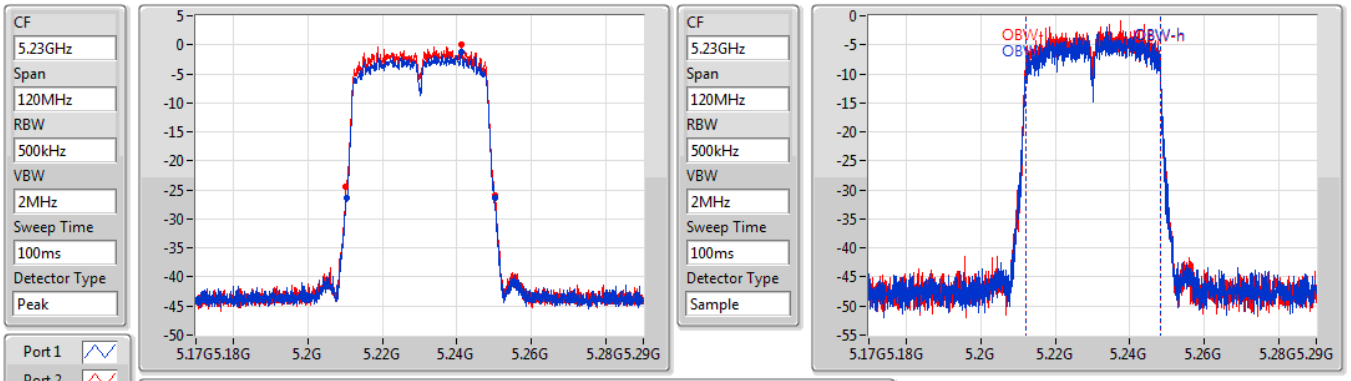


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.9M	5.17032G	5.21022G	35.922M	5.172129G	5.208051G	Inf	1
40.08M	5.17014G	5.21022G	35.982M	5.172069G	5.208051G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5230MHz

21/06/2019

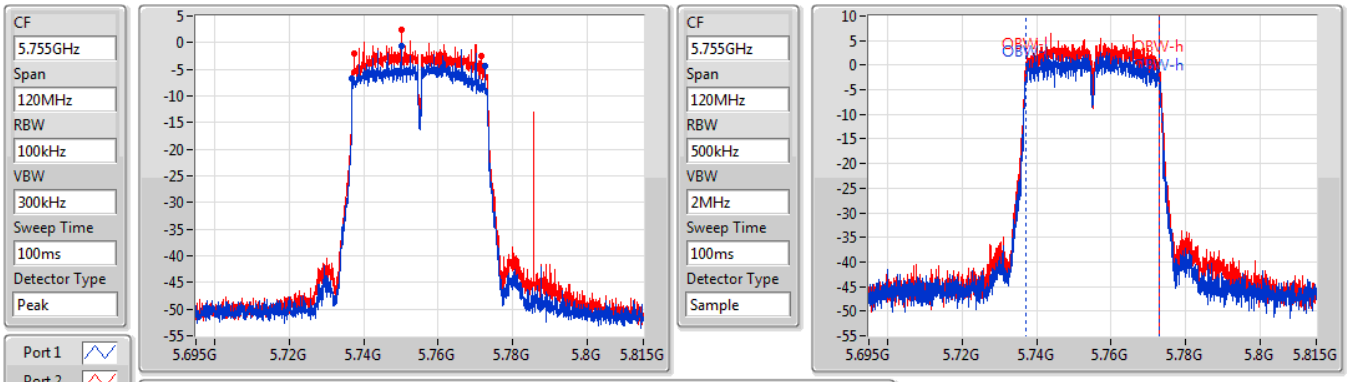


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.84M	5.21032G	5.25016G	35.922M	5.212129G	5.248051G	Inf	1
39.84M	5.21026G	5.2501G	35.982M	5.212069G	5.248051G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5755MHz

21/06/2019

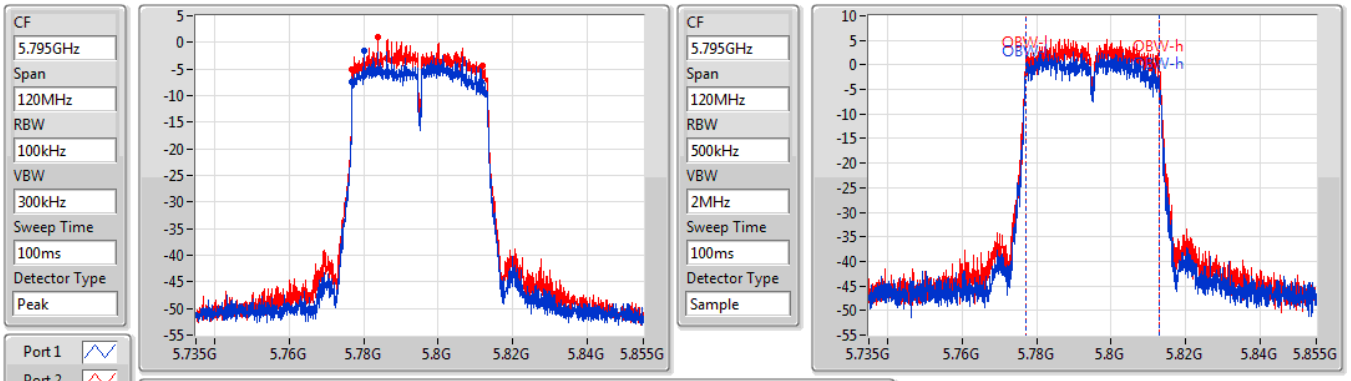


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.64M	5.73694G	5.77258G	35.982M	5.737009G	5.772991G	500k	1
33.84M	5.73754G	5.77138G	35.922M	5.737069G	5.772991G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5795MHz

21/06/2019

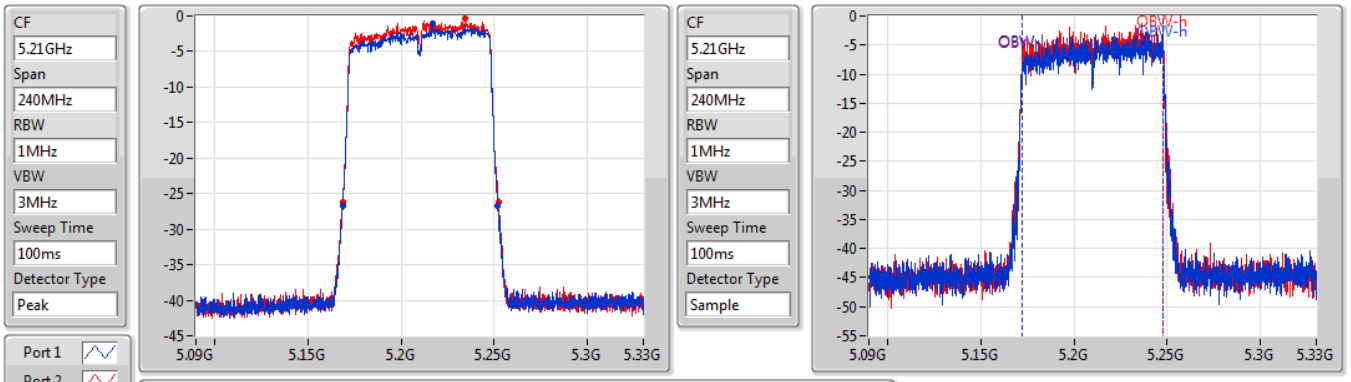


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.68M	5.77688G	5.81156G	35.862M	5.777009G	5.812871G	500k	1
35.04M	5.77694G	5.81198G	35.922M	5.777069G	5.812991G	500k	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5210MHz

21/06/2019

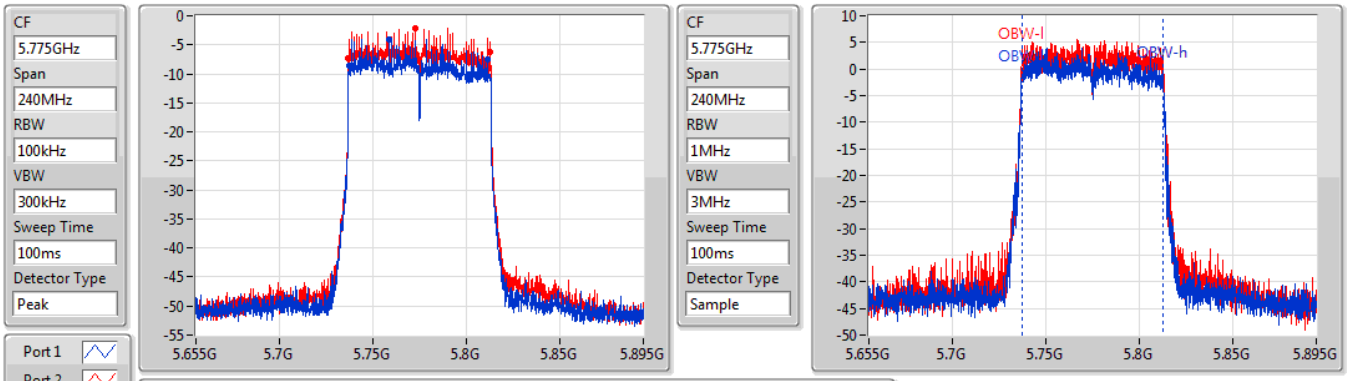


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.28M	5.1686G	5.25188G	75.682M	5.172339G	5.248021G	Inf	1
83.52M	5.1686G	5.25212G	75.682M	5.172339G	5.248021G	Inf	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5775MHz

21/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
74.4M	5.73696G	5.81136G	75.682M	5.737099G	5.812781G	500k	1
75.84M	5.73684G	5.81268G	75.802M	5.736979G	5.812781G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.8M	16.432M	16M4D1D	19.68M	16.372M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.88M	17.631M	17M6D1D	20.49M	17.601M
802.11ac VHT40_Nss1,(MCS0)_2TX	39.9M	35.982M	36M0D1D	39.72M	35.862M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.4M	75.922M	75M9D1D	83.28M	75.802M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.32M	16.522M	16M5D1D	16.29M	16.462M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.55M	17.661M	17M7D1D	16.92M	17.631M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.04M	35.982M	36M0D1D	32.58M	35.982M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.72M	75.802M	75M8D1D	75.6M	75.802M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

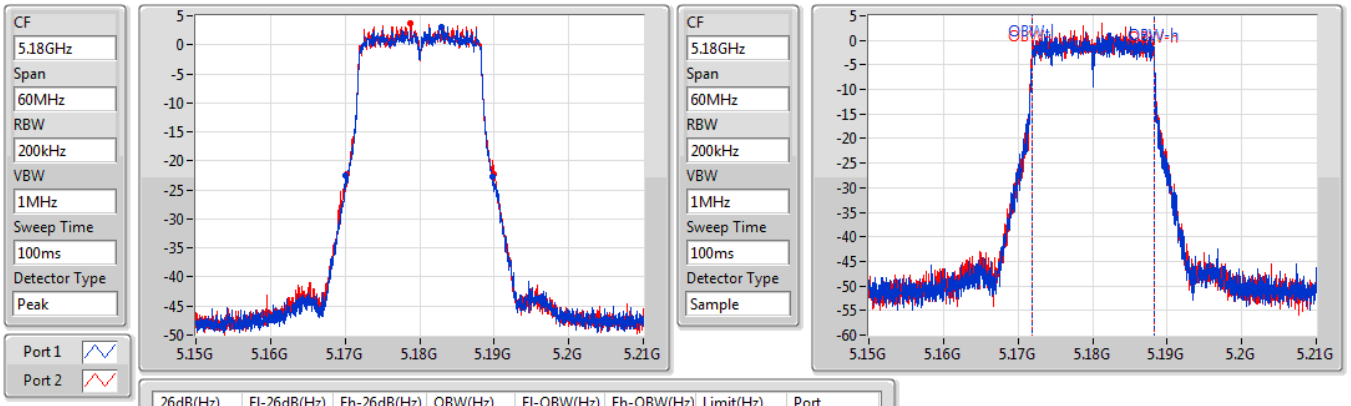
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.68M	16.372M	19.68M	16.432M
5200MHz	Pass	Inf	19.68M	16.402M	19.8M	16.432M
5240MHz	Pass	Inf	19.71M	16.432M	19.71M	16.402M
5745MHz	Pass	500k	16.32M	16.462M	16.32M	16.522M
5785MHz	Pass	500k	16.29M	16.492M	16.29M	16.492M
5825MHz	Pass	500k	16.29M	16.462M	16.29M	16.492M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.58M	17.631M	20.64M	17.601M
5200MHz	Pass	Inf	20.49M	17.631M	20.88M	17.631M
5240MHz	Pass	Inf	20.67M	17.631M	20.61M	17.601M
5745MHz	Pass	500k	17.55M	17.631M	17.55M	17.661M
5785MHz	Pass	500k	17.52M	17.661M	17.22M	17.661M
5825MHz	Pass	500k	17.22M	17.631M	16.92M	17.631M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.72M	35.922M	39.9M	35.982M
5230MHz	Pass	Inf	39.78M	35.922M	39.9M	35.862M
5755MHz	Pass	500k	32.58M	35.982M	34.98M	35.982M
5795MHz	Pass	500k	33.96M	35.982M	35.04M	35.982M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.4M	75.802M	83.28M	75.922M
5775MHz	Pass	500k	75.72M	75.802M	75.6M	75.802M

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

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

21/06/2019

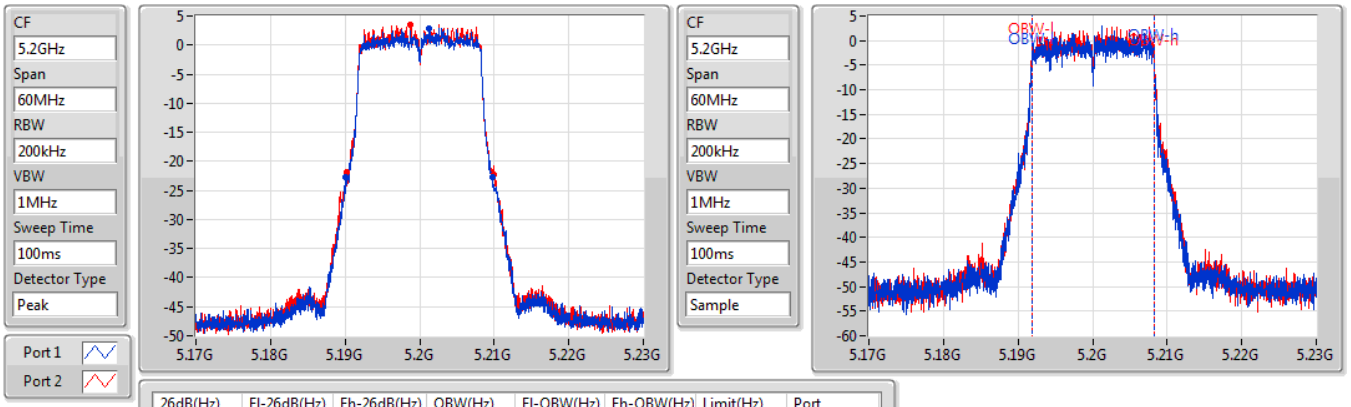


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.68M	5.17007G	5.18975G	16.372M	5.171874G	5.188246G	Inf	1
19.68M	5.17025G	5.18993G	16.432M	5.171844G	5.188276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

21/06/2019

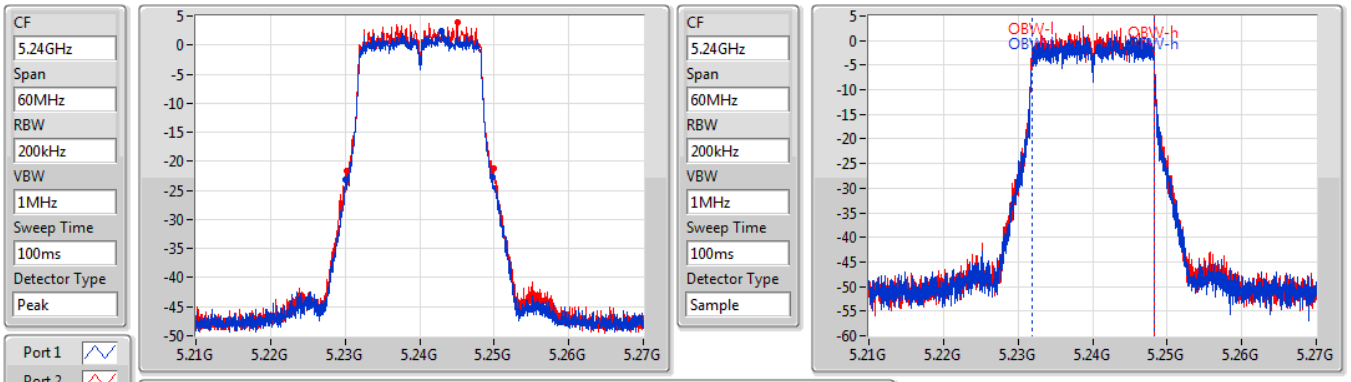


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.68M	5.19004G	5.20972G	16.402M	5.191844G	5.208246G	Inf	1
19.8M	5.19022G	5.21002G	16.432M	5.191844G	5.208276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

21/06/2019

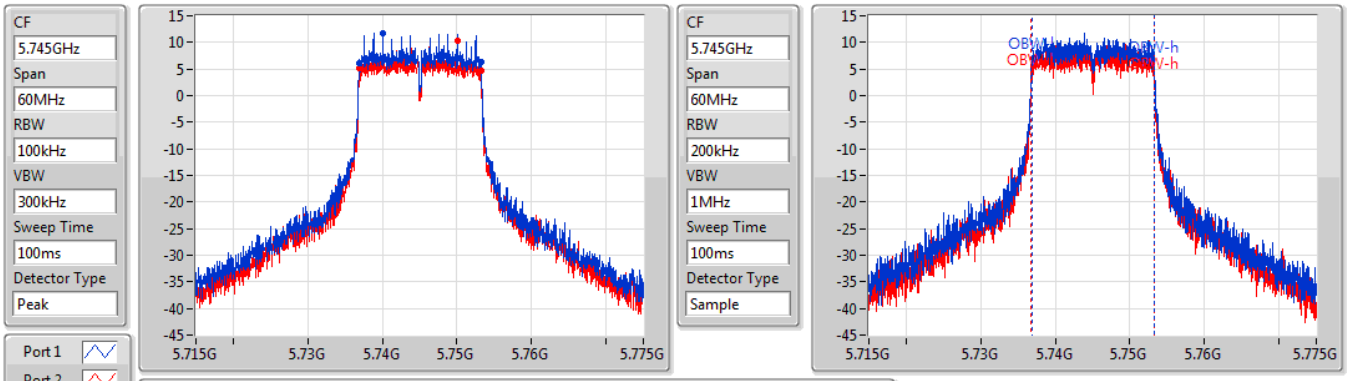


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.71M	5.23001G	5.24972G	16.432M	5.231844G	5.248276G	Inf	1
19.71M	5.23022G	5.24993G	16.402M	5.231844G	5.248246G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

21/06/2019

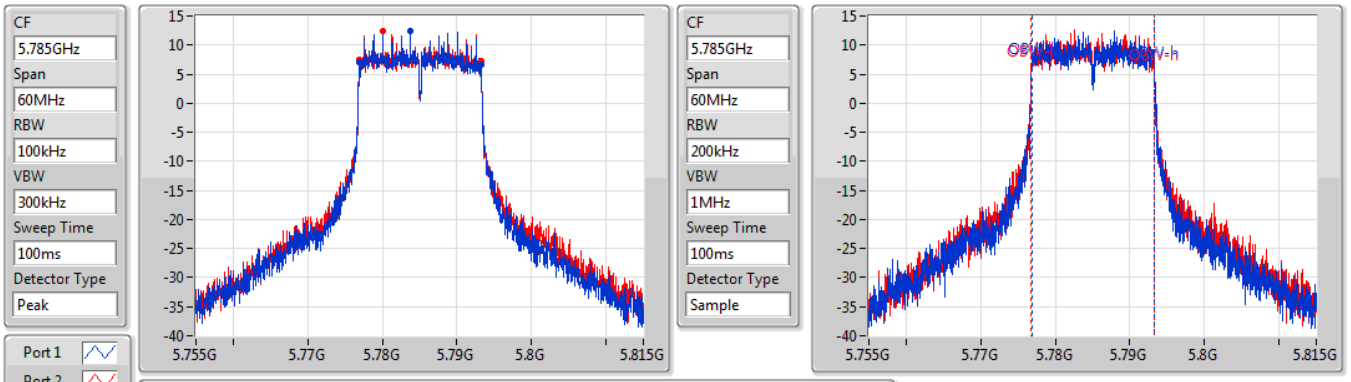


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.7369G	5.75322G	16.462M	5.736814G	5.753276G	500k	1
16.32M	5.7369G	5.75322G	16.522M	5.736784G	5.753306G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

21/06/2019

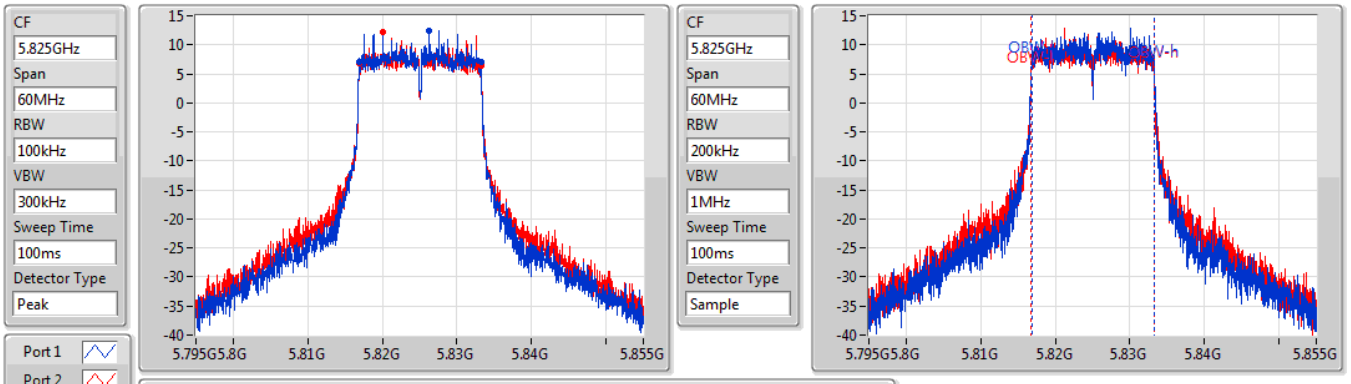


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.77693G	5.79322G	16.492M	5.776814G	5.793306G	500k	1
16.29M	5.7769G	5.79319G	16.492M	5.776784G	5.793276G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

21/06/2019

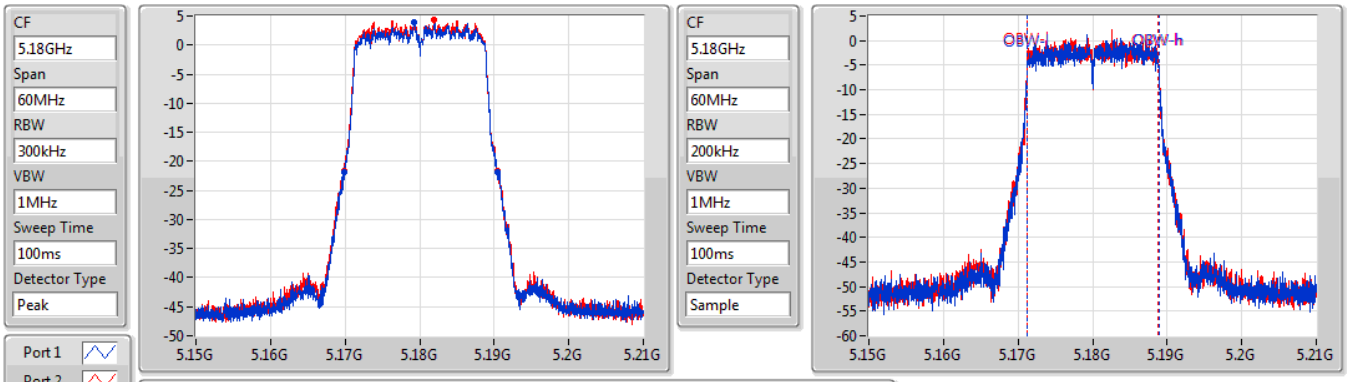


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.8169G	5.83319G	16.462M	5.816814G	5.833276G	500k	1
16.29M	5.8169G	5.83319G	16.492M	5.816784G	5.833276G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

21/06/2019

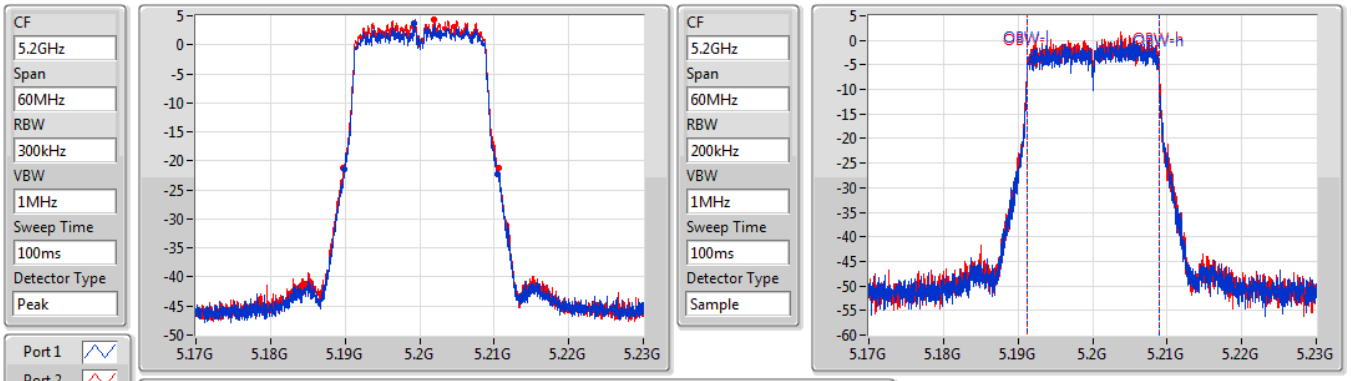


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.58M	5.16989G	5.19047G	17.631M	5.171244G	5.188876G	Inf	1
20.64M	5.16983G	5.19047G	17.601M	5.171244G	5.188846G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

21/06/2019

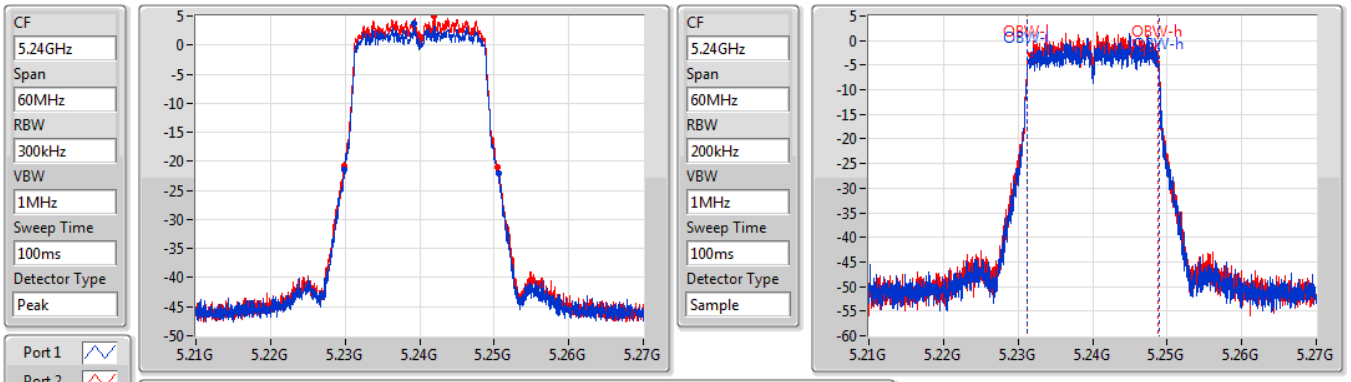


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.49M	5.18995G	5.21044G	17.631M	5.191244G	5.208876G	Inf	1
20.88M	5.18977G	5.21065G	17.631M	5.191244G	5.208876G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

21/06/2019

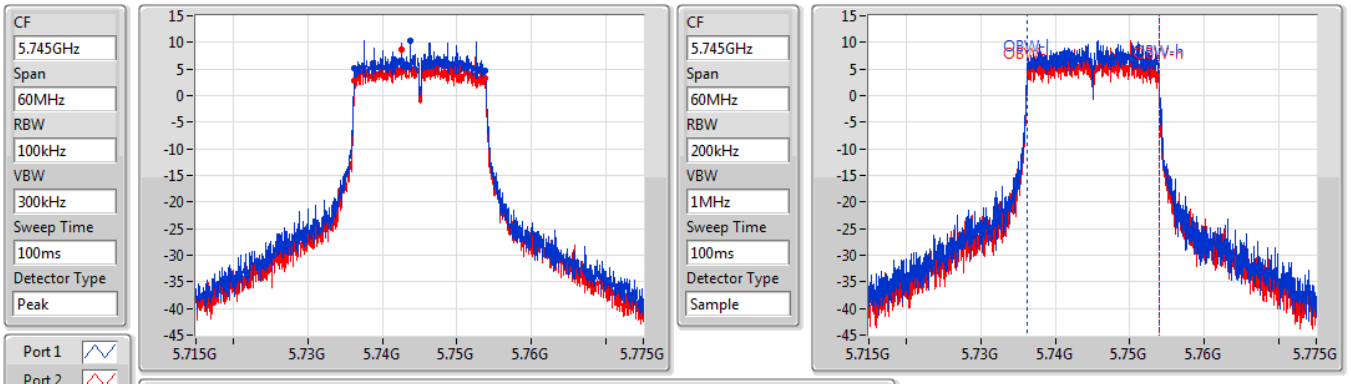


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.67M	5.22986G	5.25053G	17.631M	5.231244G	5.248876G	Inf	1
20.61M	5.22986G	5.25047G	17.601M	5.231244G	5.248846G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

21/06/2019

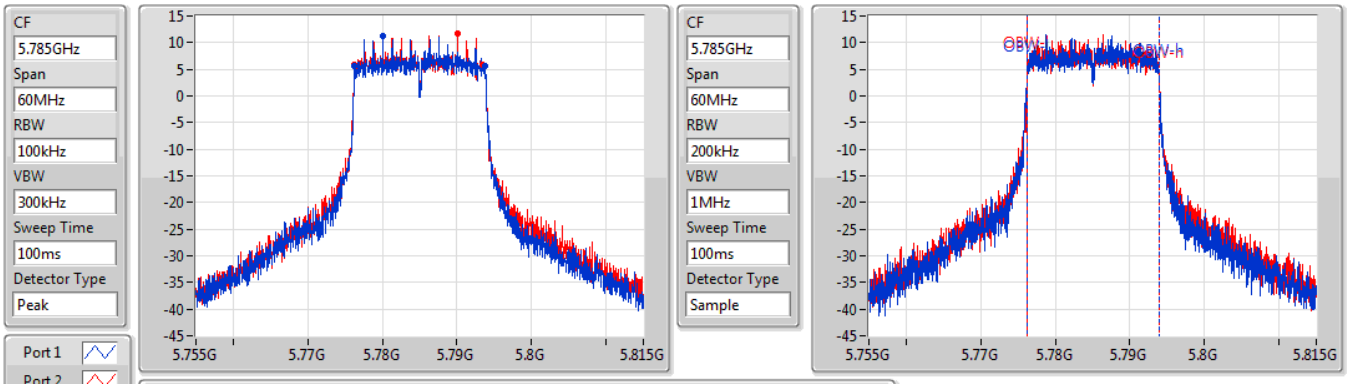


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.7363G	5.75385G	17.631M	5.736244G	5.753876G	500k	1
17.55M	5.73627G	5.75382G	17.661M	5.736214G	5.753876G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

21/06/2019

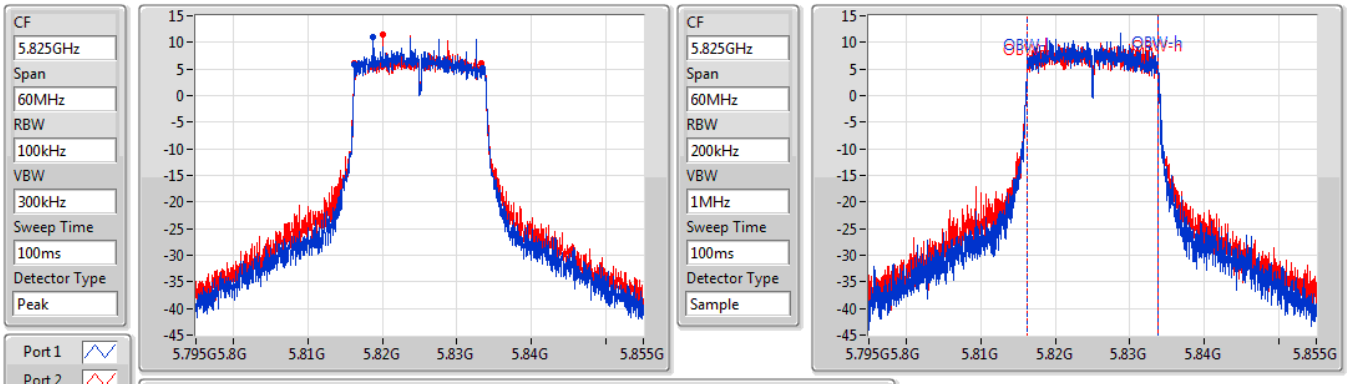


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.7763G	5.79382G	17.661M	5.776214G	5.793876G	500k	1
17.22M	5.7763G	5.79352G	17.661M	5.776214G	5.793876G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

21/06/2019

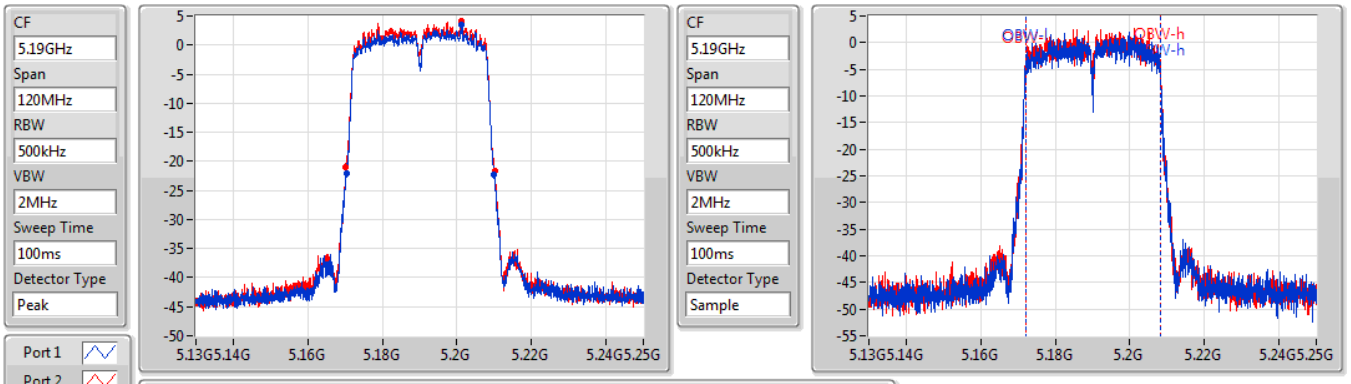


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.22M	5.8163G	5.83352G	17.631M	5.816214G	5.833846G	500k	1
16.92M	5.8163G	5.83322G	17.631M	5.816214G	5.833846G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

21/06/2019

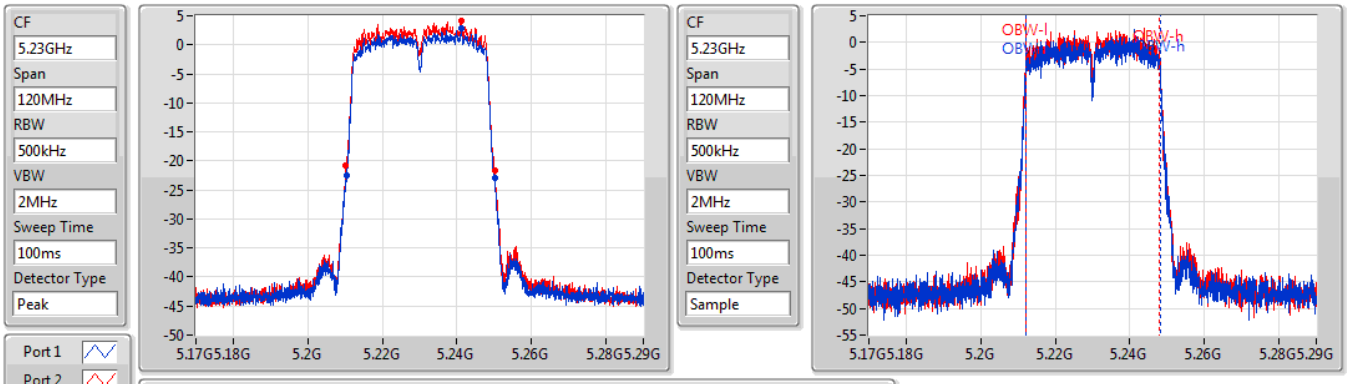


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.72M	5.17032G	5.21004G	35.922M	5.172129G	5.208051G	Inf	1
39.9M	5.1702G	5.2101G	35.982M	5.172069G	5.208051G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

21/06/2019

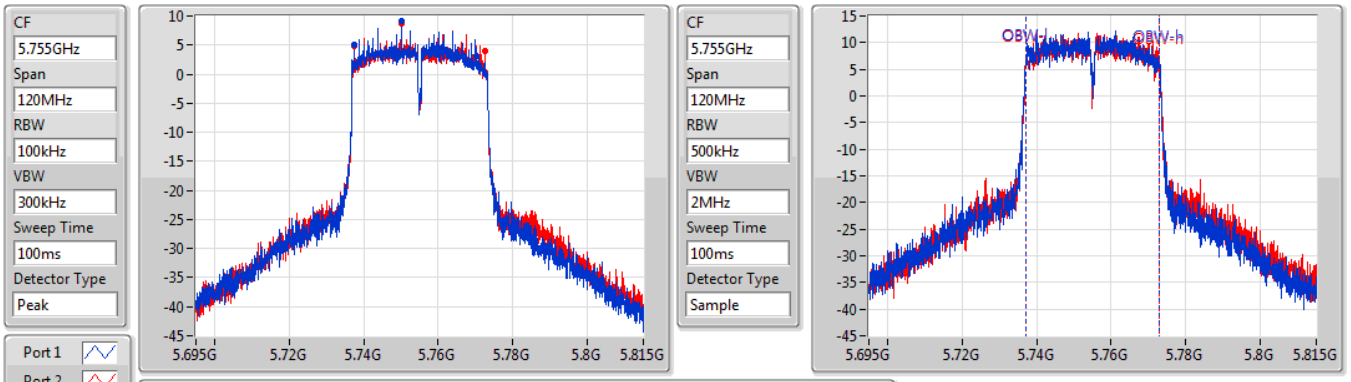


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.78M	5.21038G	5.25016G	35.922M	5.212129G	5.248051G	Inf	1
39.9M	5.2102G	5.2501G	35.862M	5.212129G	5.247991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

21/06/2019

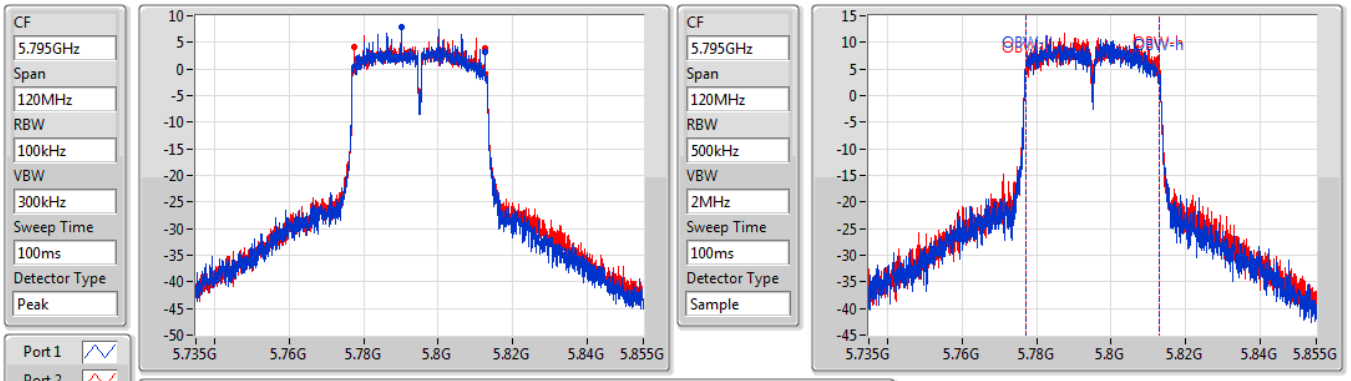


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.58M	5.73754G	5.77012G	35.982M	5.737009G	5.772991G	500k	1
34.98M	5.73754G	5.77252G	35.982M	5.737009G	5.772991G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5795MHz

21/06/2019

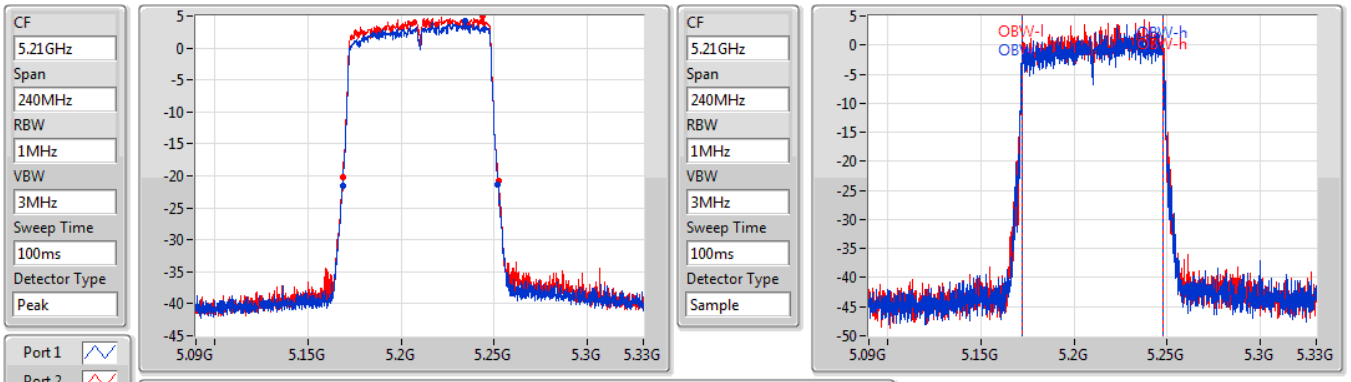


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.96M	5.77856G	5.81252G	35.982M	5.777009G	5.812991G	500k	1
35.04M	5.77754G	5.81258G	35.982M	5.777009G	5.812991G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

21/06/2019

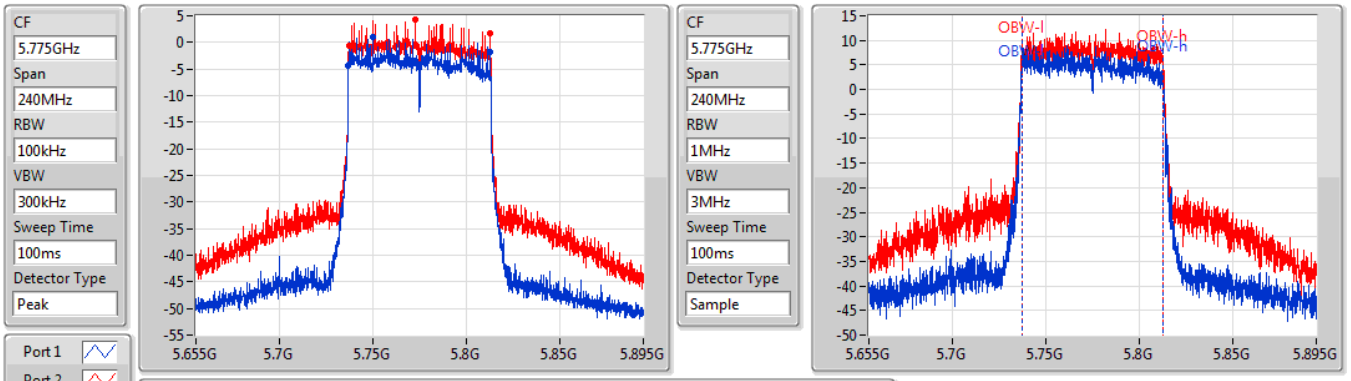


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.4M	5.1686G	5.252G	75.802M	5.172219G	5.248021G	Inf	1
83.28M	5.16884G	5.25212G	75.922M	5.170099G	5.248021G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz

21/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.72M	5.73684G	5.81256G	75.802M	5.736979G	5.812781G	500k	1
75.6M	5.73696G	5.81256G	75.802M	5.736979G	5.812781G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.88M	17.631M	17M6D1D	20.46M	17.601M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.14M	35.982M	36M0D1D	39.66M	35.922M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	83.64M	75.802M	75M8D1D	83.52M	75.802M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.64M	17.661M	17M7D1D	16.53M	17.571M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	35.7M	35.982M	36M0D1D	34.44M	35.862M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	75.72M	75.802M	75M8D1D	75.72M	75.682M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

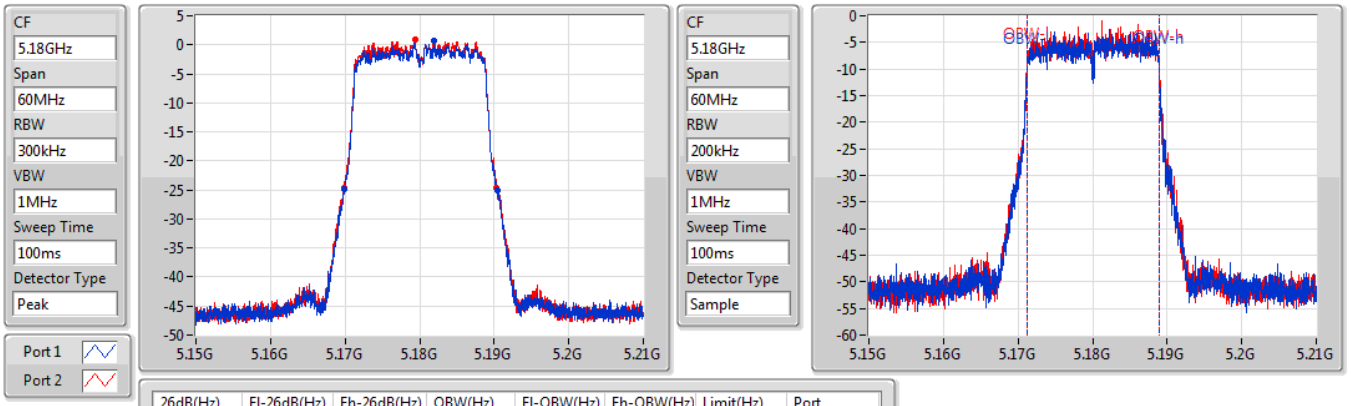
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.58M	17.631M	20.46M	17.631M
5200MHz	Pass	Inf	20.58M	17.631M	20.55M	17.631M
5240MHz	Pass	Inf	20.88M	17.631M	20.52M	17.601M
5745MHz	Pass	500k	17.16M	17.631M	17.58M	17.661M
5785MHz	Pass	500k	17.64M	17.631M	17.64M	17.601M
5825MHz	Pass	500k	16.53M	17.571M	17.55M	17.631M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.96M	35.922M	40.14M	35.922M
5230MHz	Pass	Inf	39.66M	35.982M	39.84M	35.922M
5755MHz	Pass	500k	35.7M	35.982M	35.04M	35.862M
5795MHz	Pass	500k	34.44M	35.922M	35.34M	35.982M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.52M	75.802M	83.64M	75.802M
5775MHz	Pass	500k	75.72M	75.682M	75.72M	75.802M

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

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5180MHz

21/06/2019

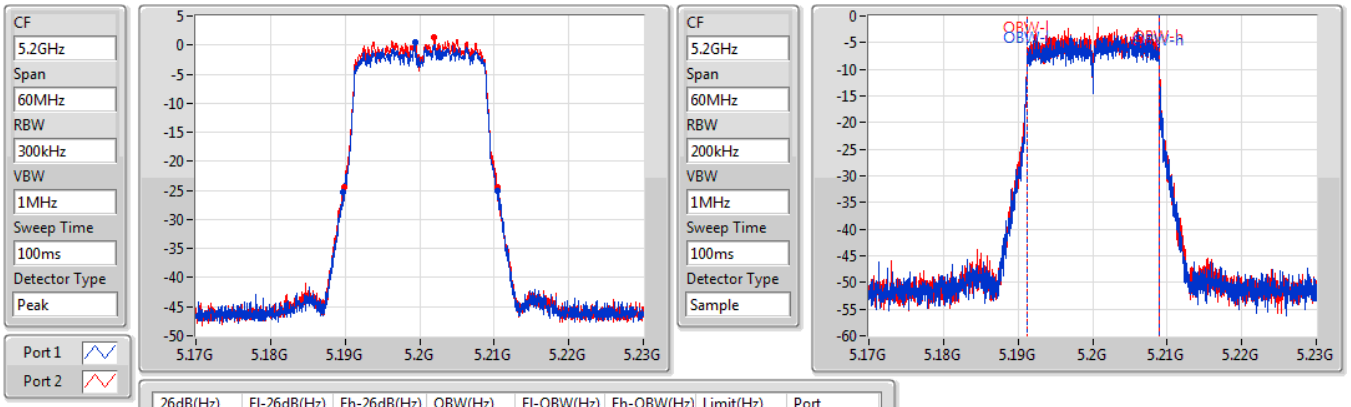


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.58M	5.16992G	5.1905G	17.631M	5.171244G	5.188876G	Inf	1
20.46M	5.16989G	5.19035G	17.631M	5.171244G	5.188876G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5200MHz

21/06/2019

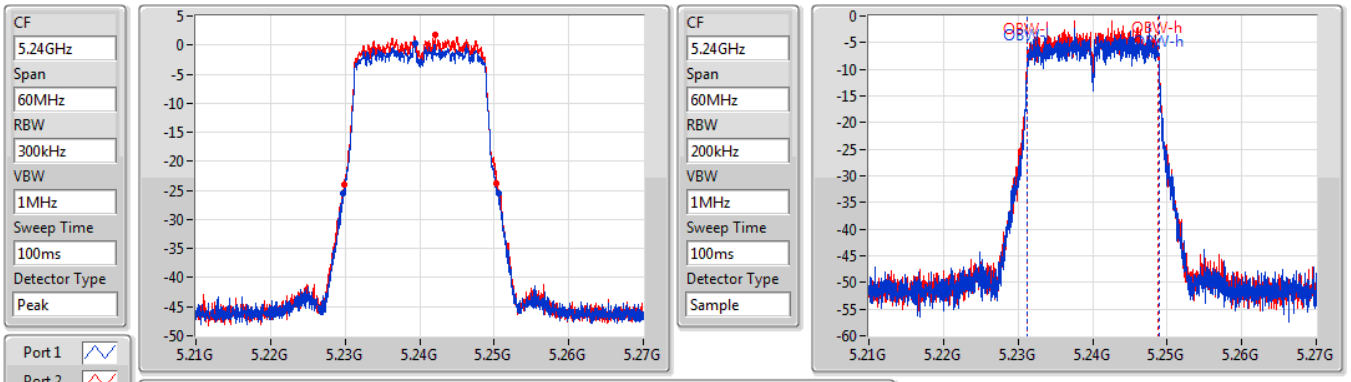


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.58M	5.1898G	5.21038G	17.631M	5.191244G	5.208876G	Inf	1
20.55M	5.18986G	5.21041G	17.631M	5.191244G	5.208876G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5240MHz

21/06/2019

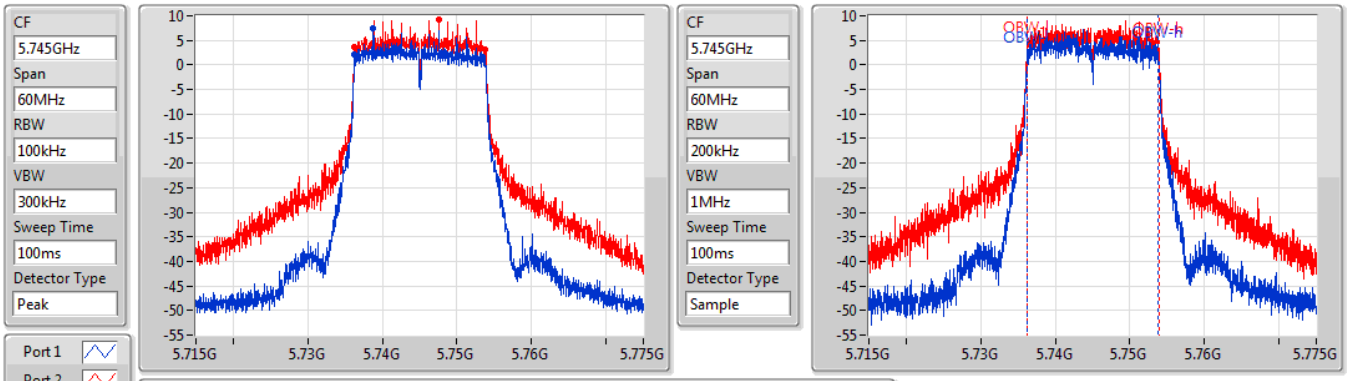


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.88M	5.22974G	5.25062G	17.631M	5.231244G	5.248876G	Inf	1
20.52M	5.22983G	5.25035G	17.601M	5.231244G	5.248846G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5745MHz

21/06/2019

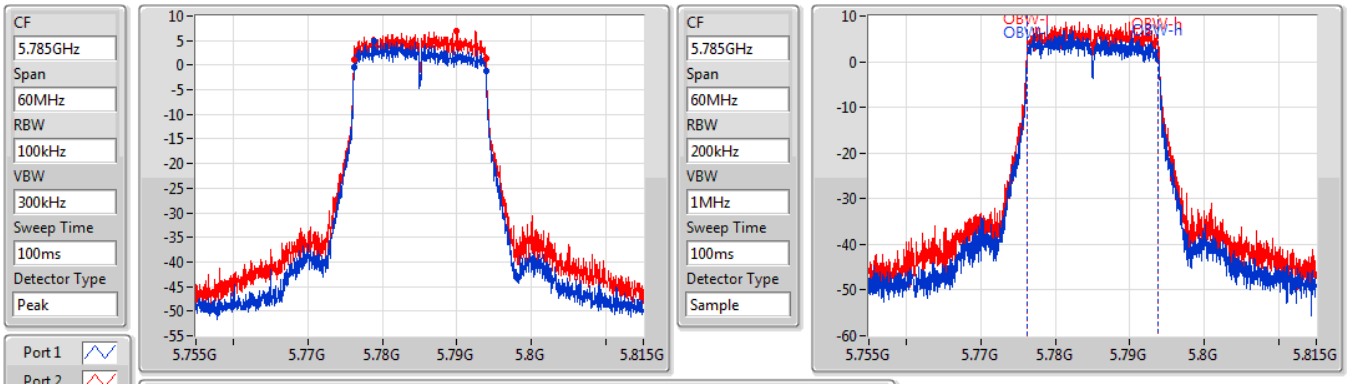


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.16M	5.7363G	5.75346G	17.631M	5.736214G	5.753846G	500k	1
17.58M	5.73627G	5.75385G	17.661M	5.736214G	5.753876G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5785MHz

21/06/2019

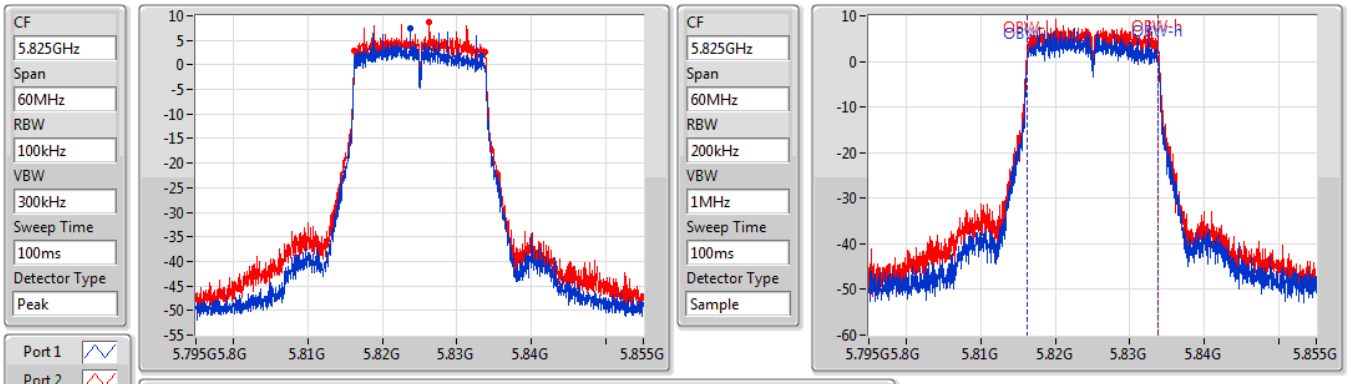


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.64M	5.77624G	5.79388G	17.631M	5.776214G	5.793846G	500k	1
17.64M	5.77624G	5.79388G	17.601M	5.776244G	5.793846G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5825MHz

21/06/2019

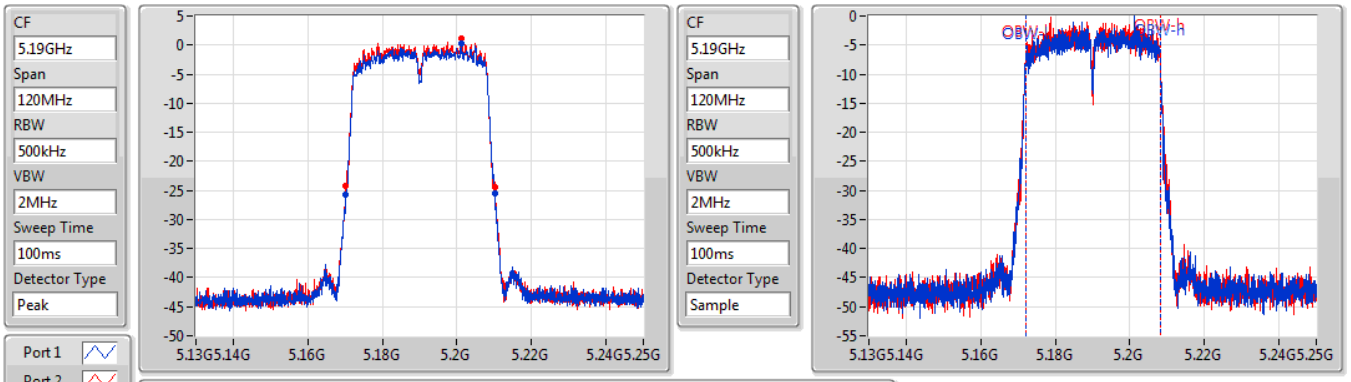


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.53M	5.81666G	5.83319G	17.571M	5.816244G	5.833816G	500k	1
17.55M	5.81627G	5.83382G	17.631M	5.816214G	5.833846G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5190MHz

21/06/2019

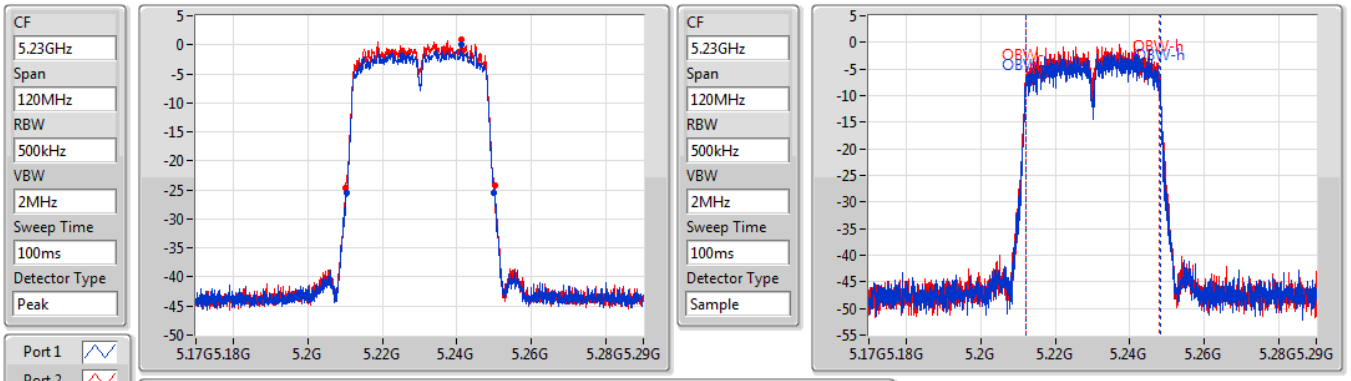


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.96M	5.17026G	5.21022G	35.922M	5.172129G	5.208051G	Inf	1
40.14M	5.17008G	5.21022G	35.922M	5.172129G	5.208051G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5230MHz

21/06/2019

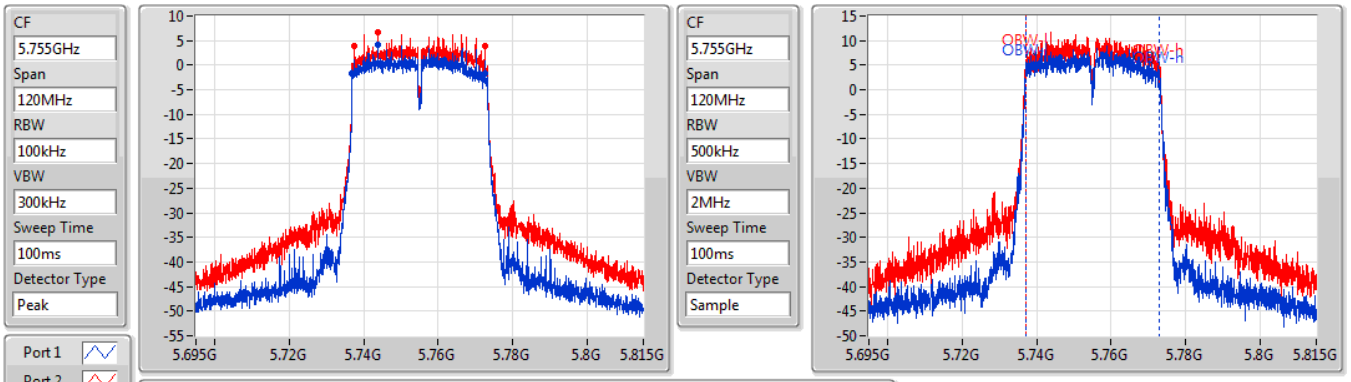


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.66M	5.21038G	5.25004G	35.982M	5.212069G	5.248051G	Inf	1
39.84M	5.21026G	5.2501G	35.922M	5.212069G	5.247991G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5755MHz

21/06/2019

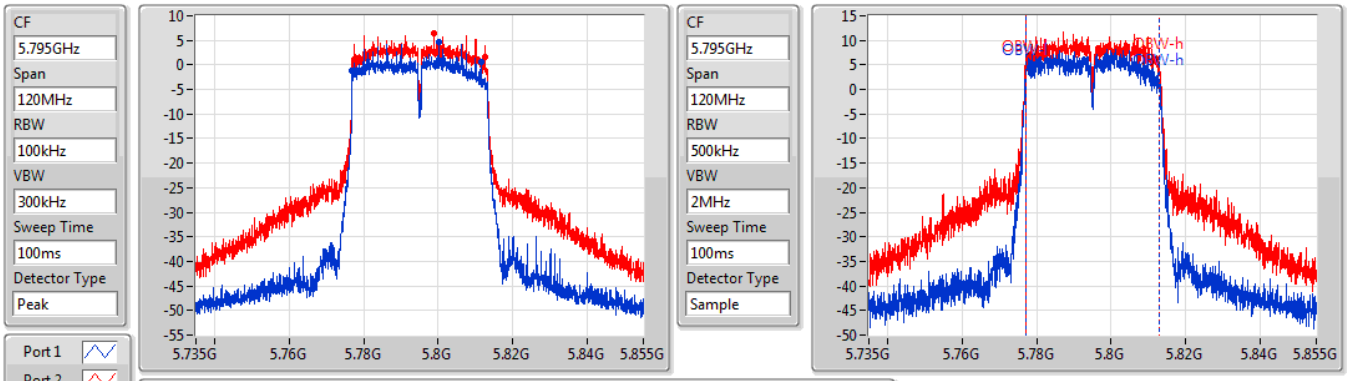


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	5.73688G	5.77258G	35.982M	5.737009G	5.772991G	500k	1
35.04M	5.73754G	5.77258G	35.862M	5.737069G	5.772931G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5795MHz

21/06/2019

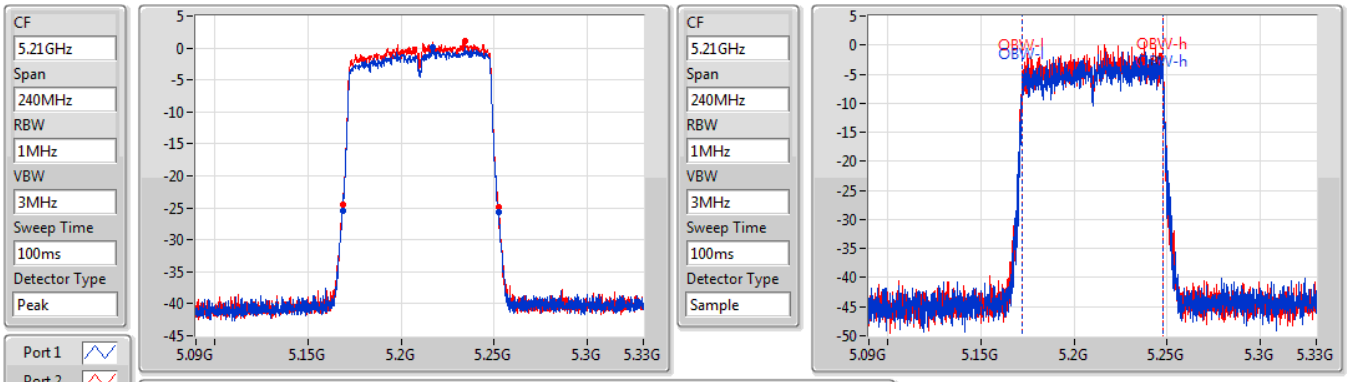


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.44M	5.77694G	5.81138G	35.922M	5.777009G	5.812931G	500k	1
35.34M	5.7773G	5.81264G	35.982M	5.777009G	5.812991G	500k	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5210MHz

21/06/2019

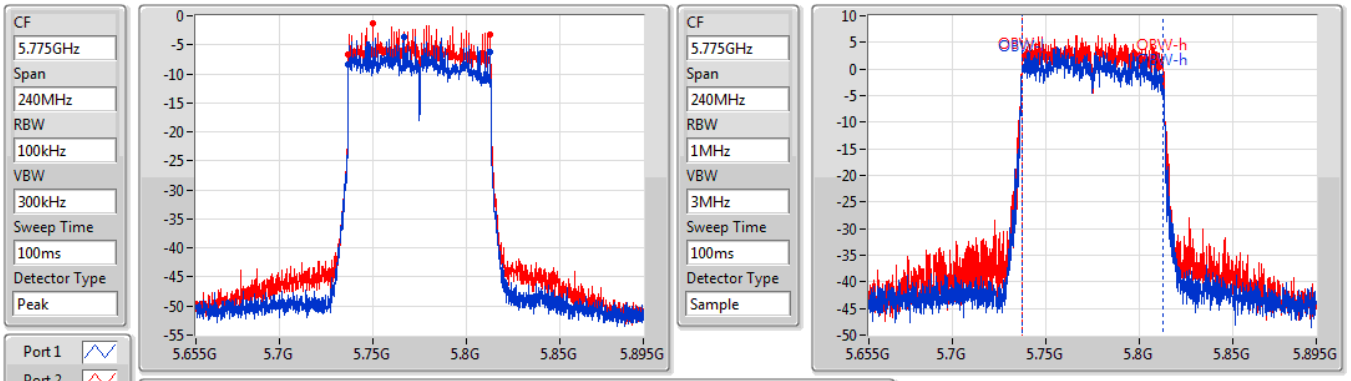


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.52M	5.1686G	5.25212G	75.802M	5.172219G	5.248021G	Inf	1
83.64M	5.16884G	5.25248G	75.802M	5.172219G	5.248021G	Inf	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5775MHz

21/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.72M	5.73684G	5.81256G	75.682M	5.736979G	5.812661G	500k	1
75.72M	5.73684G	5.81256G	75.802M	5.736979G	5.812781G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.77M	16.432M	16M4D1D	19.41M	16.402M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.85M	17.631M	17M6D1D	19.98M	17.631M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.02M	35.982M	36M0D1D	39.9M	35.862M
802.11ac VHT80_Nss1,(MCS0)_2TX	84M	75.922M	75M9D1D	84M	75.802M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.32M	16.432M	16M4D1D	16.29M	16.372M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.58M	17.631M	17M6D1D	17.13M	17.571M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.64M	35.982M	36M0D1D	33.84M	35.862M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.72M	75.802M	75M8D1D	75.6M	75.682M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

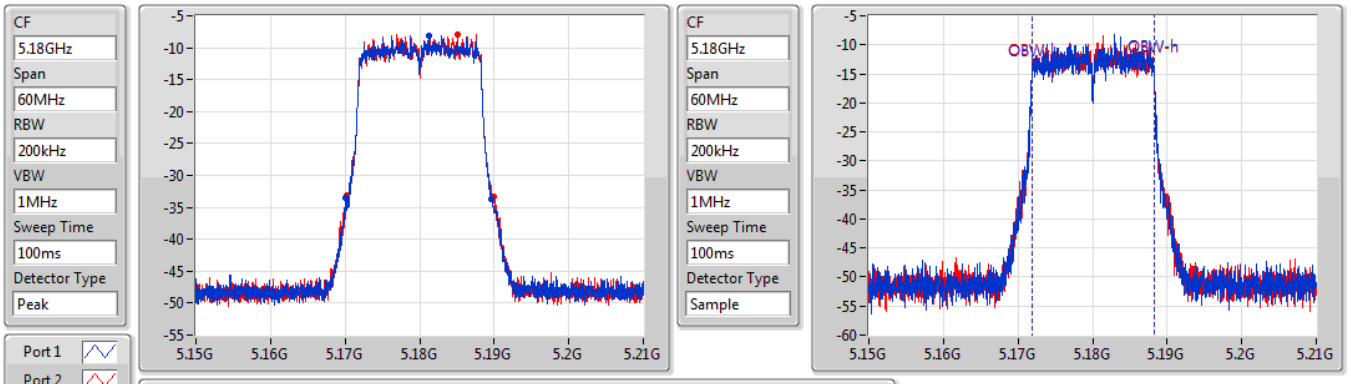
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.65M	16.402M	19.77M	16.432M
5200MHz	Pass	Inf	19.74M	16.432M	19.41M	16.432M
5240MHz	Pass	Inf	19.65M	16.432M	19.62M	16.432M
5745MHz	Pass	500k	16.29M	16.402M	16.32M	16.402M
5785MHz	Pass	500k	16.29M	16.372M	16.32M	16.402M
5825MHz	Pass	500k	16.32M	16.432M	16.32M	16.402M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.61M	17.631M	20.7M	17.631M
5200MHz	Pass	Inf	19.98M	17.631M	20.76M	17.631M
5240MHz	Pass	Inf	20.85M	17.631M	20.55M	17.631M
5745MHz	Pass	500k	17.16M	17.601M	17.52M	17.631M
5785MHz	Pass	500k	17.13M	17.571M	17.58M	17.601M
5825MHz	Pass	500k	17.55M	17.601M	17.16M	17.631M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.02M	35.862M	40.02M	35.922M
5230MHz	Pass	Inf	39.9M	35.982M	39.96M	35.922M
5755MHz	Pass	500k	35.64M	35.982M	34.92M	35.982M
5795MHz	Pass	500k	34.08M	35.922M	33.84M	35.862M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	84M	75.922M	84M	75.802M
5775MHz	Pass	500k	75.72M	75.682M	75.6M	75.802M

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

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

21/06/2019

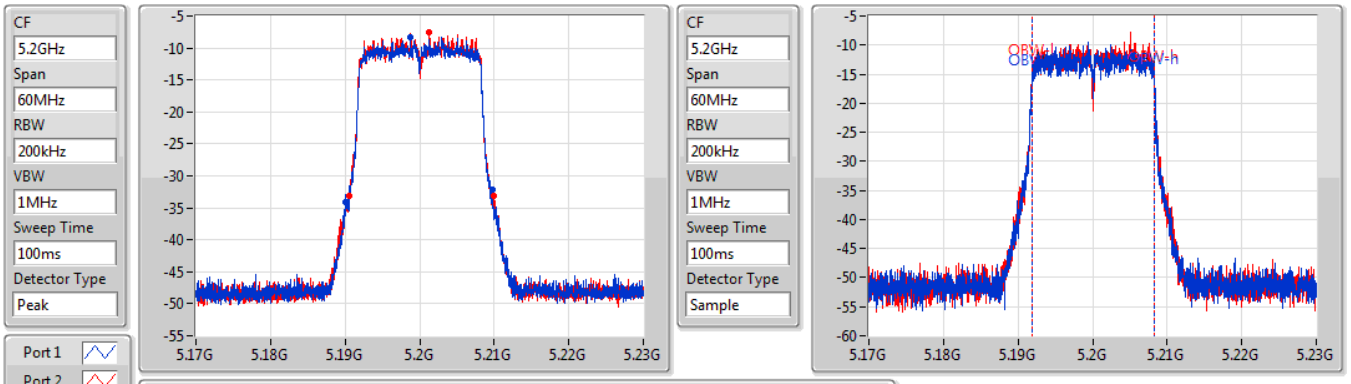


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.65M	5.17004G	5.18969G	16.402M	5.171844G	5.188246G	Inf	1
19.77M	5.17019G	5.18996G	16.432M	5.171844G	5.188276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

21/06/2019

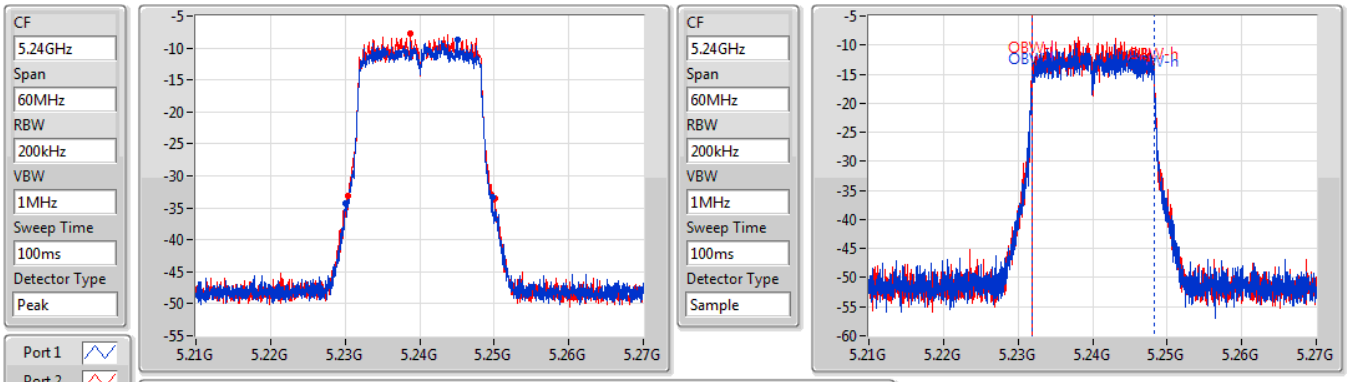


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.74M	5.19004G	5.20978G	16.432M	5.191844G	5.208276G	Inf	1
19.41M	5.19052G	5.20993G	16.432M	5.191844G	5.208276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

21/06/2019

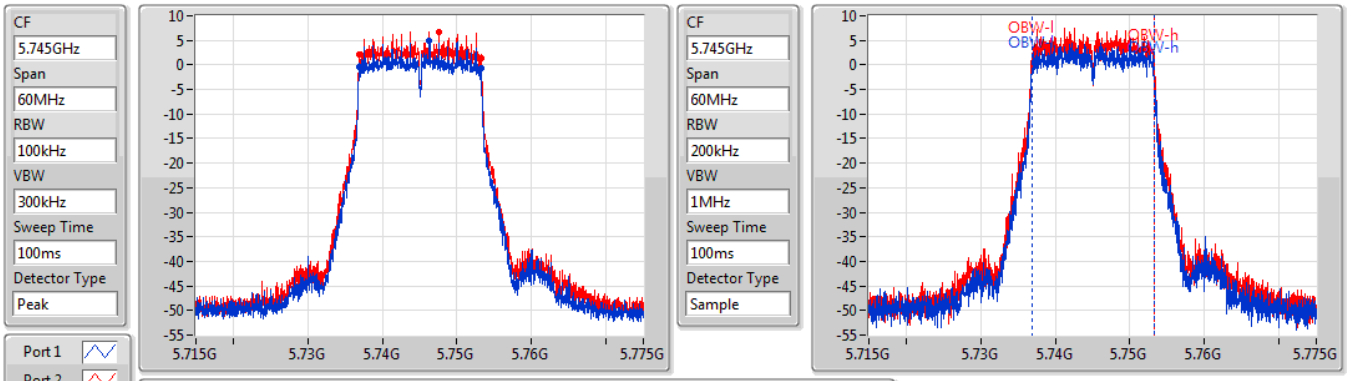


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.65M	5.23007G	5.24972G	16.432M	5.231844G	5.248276G	Inf	1
19.62M	5.23046G	5.25008G	16.432M	5.231844G	5.248276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

21/06/2019

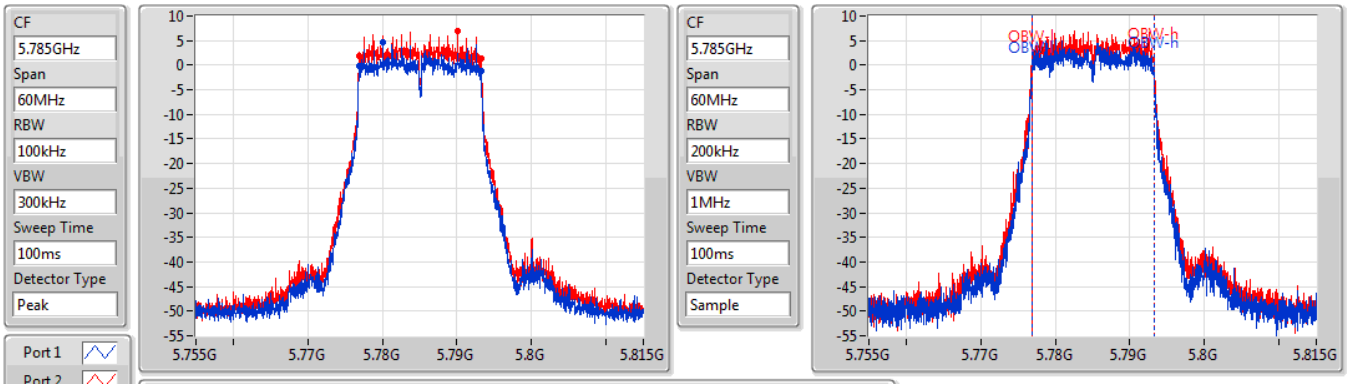


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.7369G	5.75319G	16.402M	5.736844G	5.753246G	500k	1
16.32M	5.7369G	5.75322G	16.402M	5.736844G	5.753246G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

21/06/2019

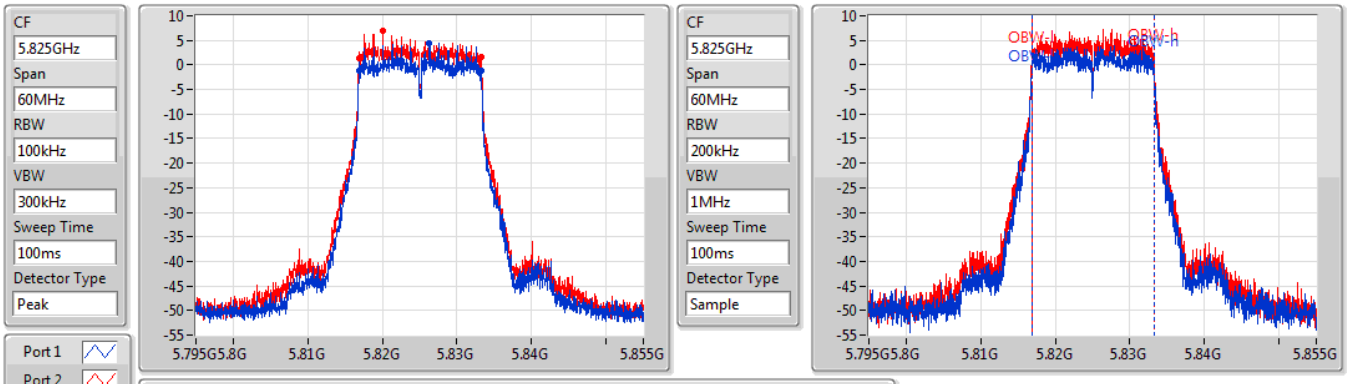


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.7769G	5.79319G	16.372M	5.776844G	5.793216G	500k	1
16.32M	5.7769G	5.79322G	16.402M	5.776844G	5.793246G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

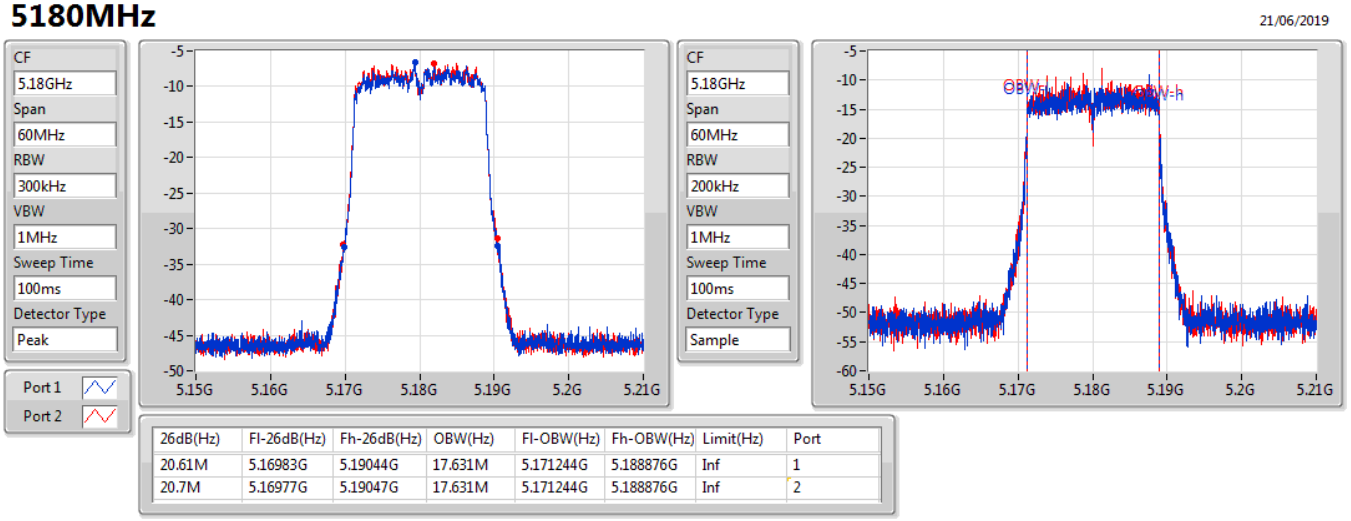
21/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.8169G	5.83322G	16.432M	5.816814G	5.833246G	500k	1
16.32M	5.8169G	5.83322G	16.402M	5.816844G	5.833246G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

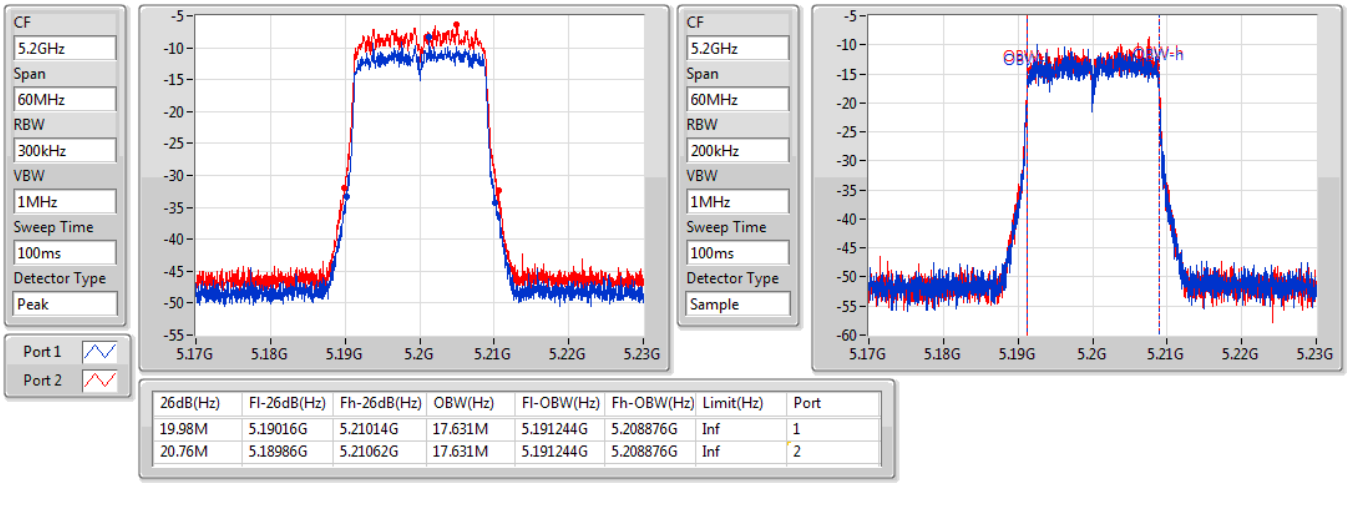
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.61M	5.16983G	5.19044G	17.631M	5.171244G	5.188876G	Inf	1
20.7M	5.16977G	5.19047G	17.631M	5.171244G	5.188876G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

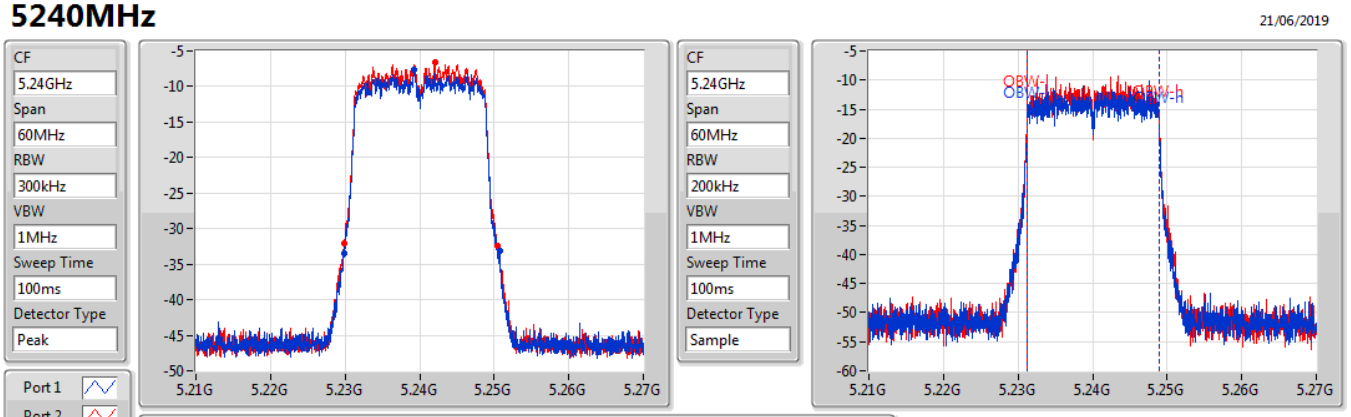
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.98M	5.19016G	5.21014G	17.631M	5.191244G	5.208876G	Inf	1
20.76M	5.18986G	5.21062G	17.631M	5.191244G	5.208876G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

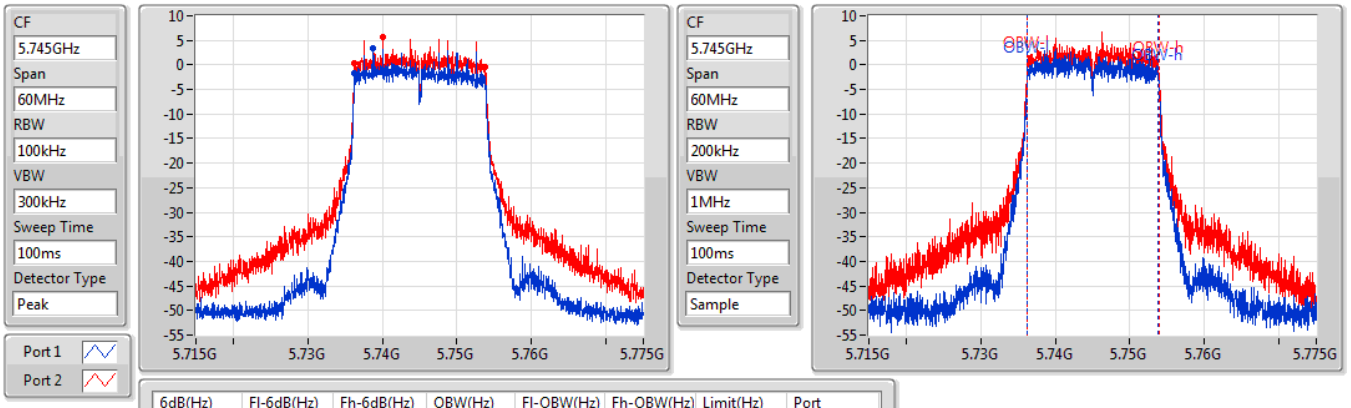
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.85M	5.22986G	5.25071G	17.631M	5.231244G	5.248876G	Inf	1
20.55M	5.22983G	5.25038G	17.631M	5.231244G	5.248876G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

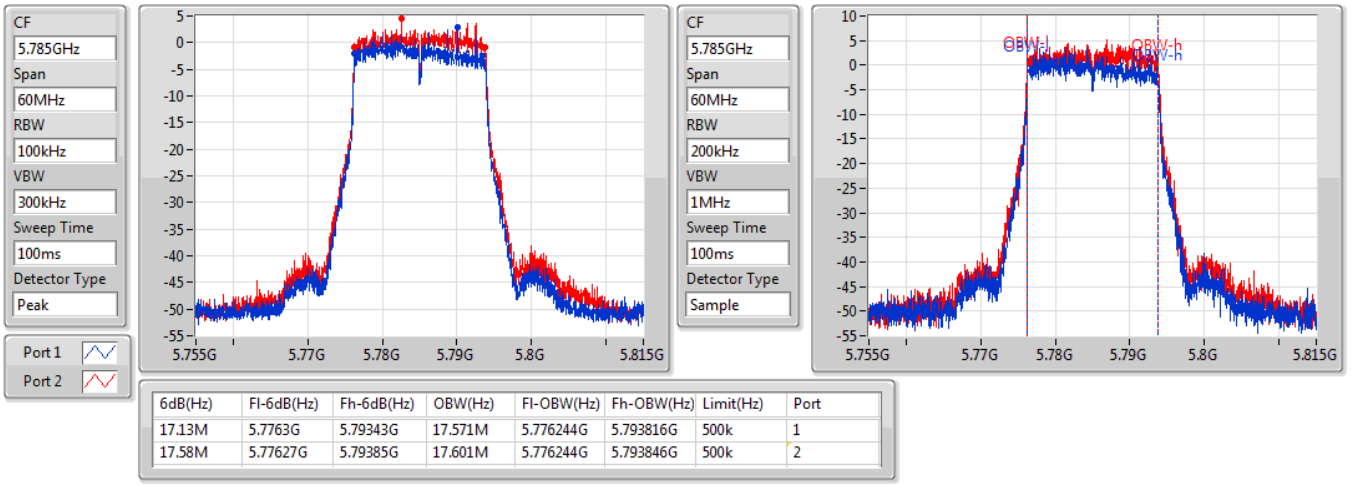


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.16M	5.7363G	5.75346G	17.601M	5.736244G	5.753846G	500k	1
17.52M	5.7363G	5.75382G	17.631M	5.736244G	5.753876G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

21/06/2019

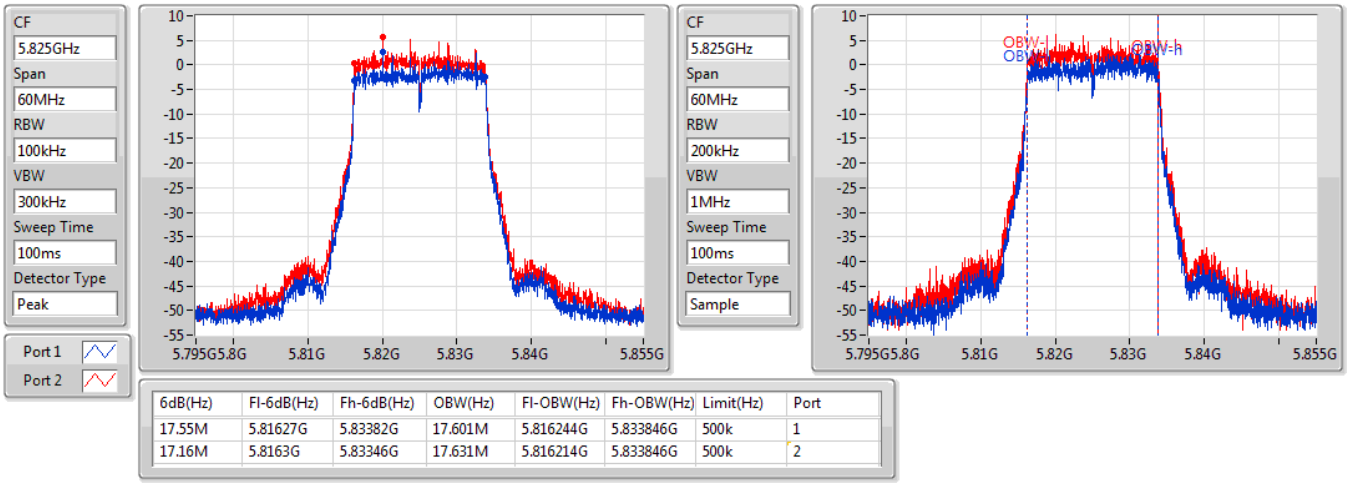


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.13M	5.7763G	5.79343G	17.571M	5.776244G	5.793816G	500k	1
17.58M	5.77627G	5.79385G	17.601M	5.776244G	5.793846G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

21/06/2019

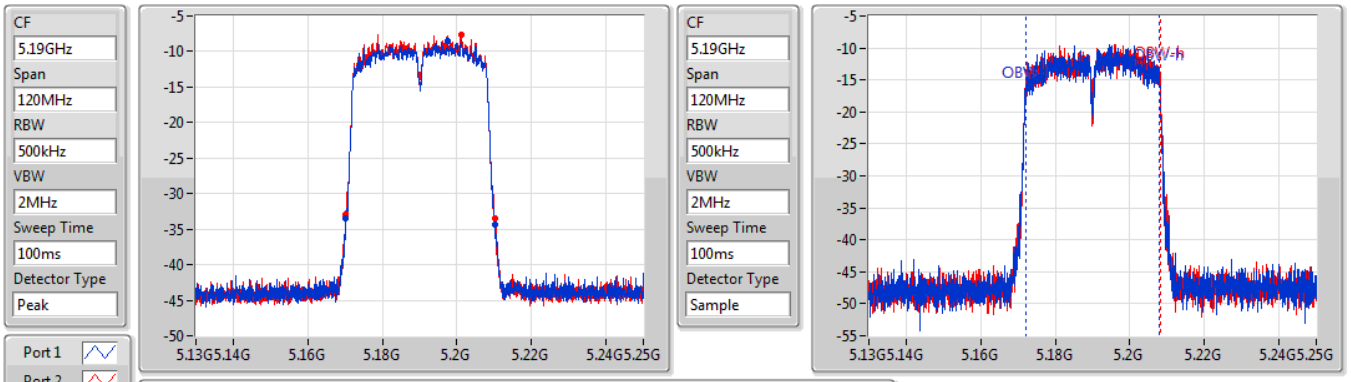


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.81627G	5.83382G	17.601M	5.816244G	5.833846G	500k	1
17.16M	5.8163G	5.83346G	17.631M	5.816214G	5.833846G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

21/06/2019

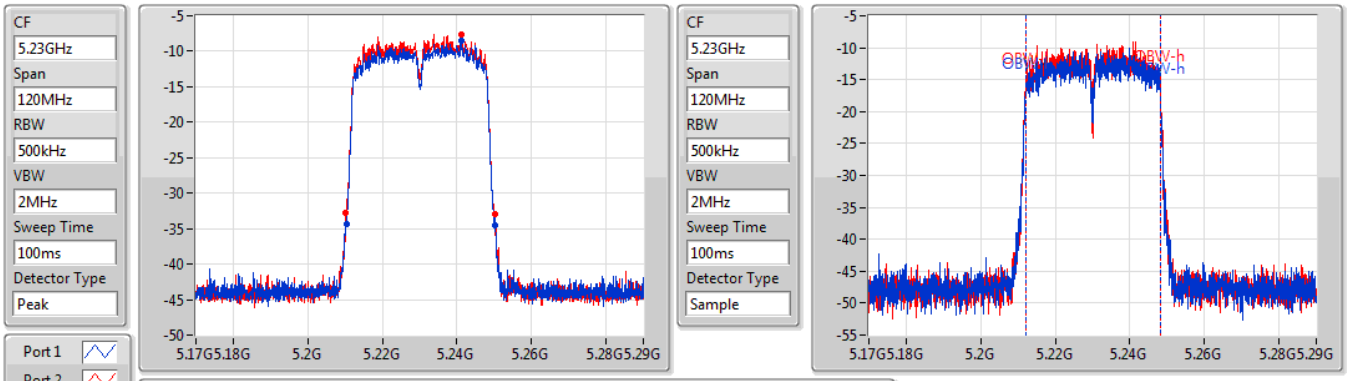


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.1702G	5.21022G	35.862M	5.172129G	5.207991G	Inf	1
40.02M	5.17008G	5.2101G	35.922M	5.172129G	5.208051G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

21/06/2019

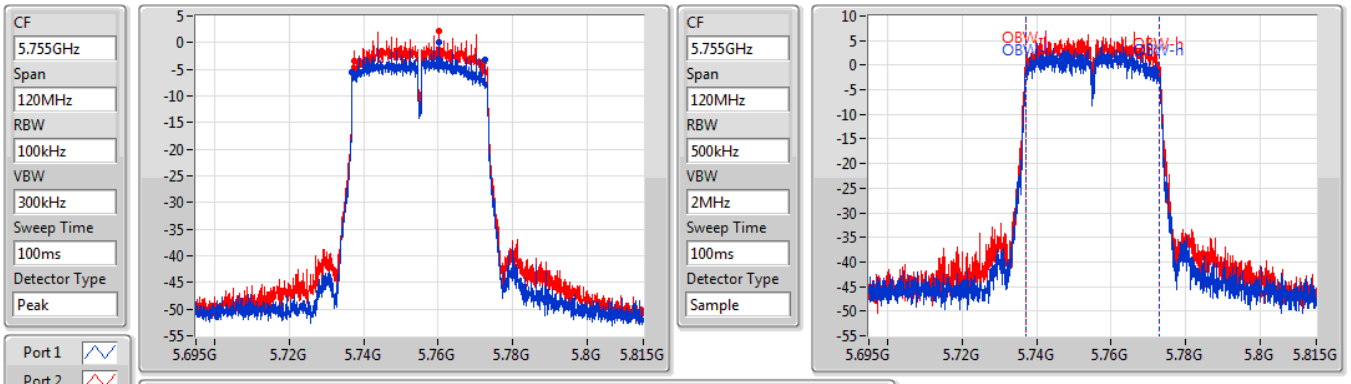


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.9M	5.21032G	5.25022G	35.982M	5.212069G	5.248051G	Inf	1
39.96M	5.2102G	5.25016G	35.922M	5.212129G	5.248051G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

21/06/2019

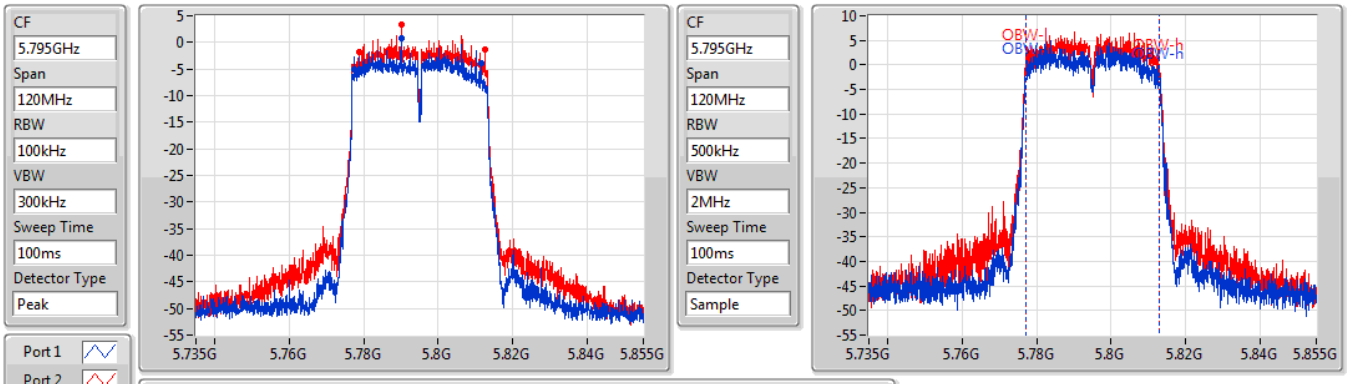


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.64M	5.73694G	5.77258G	35.982M	5.737009G	5.772991G	500k	1
34.92M	5.7373G	5.77222G	35.982M	5.737009G	5.772991G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5795MHz

21/06/2019

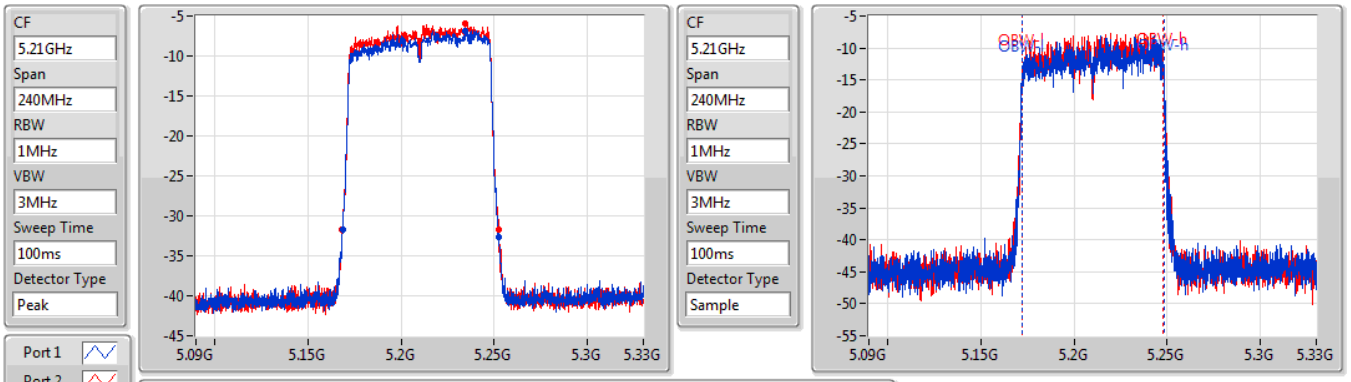


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.08M	5.7773G	5.81138G	35.922M	5.777009G	5.812931G	500k	1
33.84M	5.77874G	5.81258G	35.862M	5.777069G	5.812931G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

21/06/2019

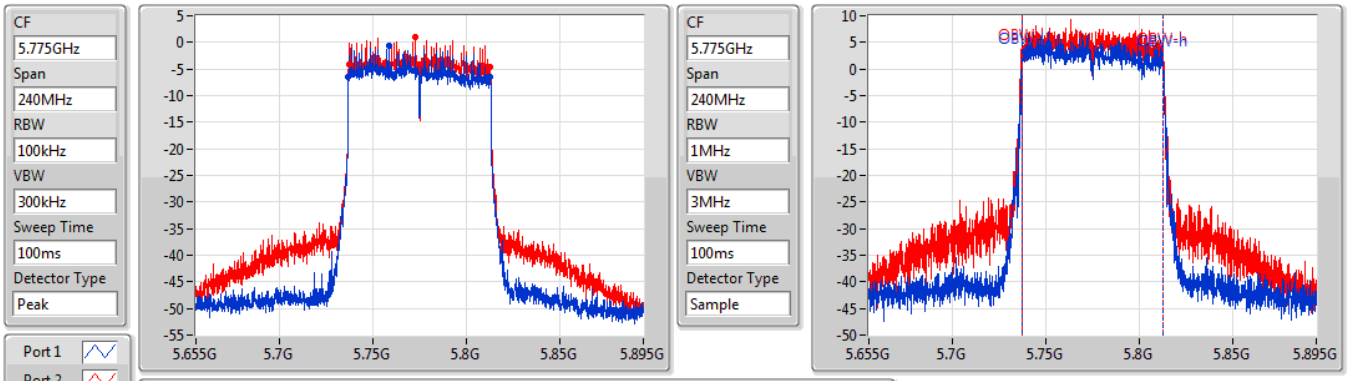


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84M	5.1686G	5.2526G	75.922M	5.172219G	5.248141G	Inf	1
84M	5.16848G	5.25248G	75.802M	5.172219G	5.248021G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz

21/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.72M	5.73684G	5.81256G	75.682M	5.737099G	5.812781G	500k	1
75.6M	5.73696G	5.81256G	75.802M	5.736979G	5.812781G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.79M	17.631M	17M6D1D	20.46M	17.601M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	40.26M	36.102M	36M1D1D	39.9M	36.042M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	84.96M	76.162M	76M2D1D	84.36M	76.042M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.58M	17.631M	17M6D1D	17.19M	17.601M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	35.88M	35.982M	36M0D1D	33.72M	35.862M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	75.6M	75.802M	75M8D1D	75.6M	75.682M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

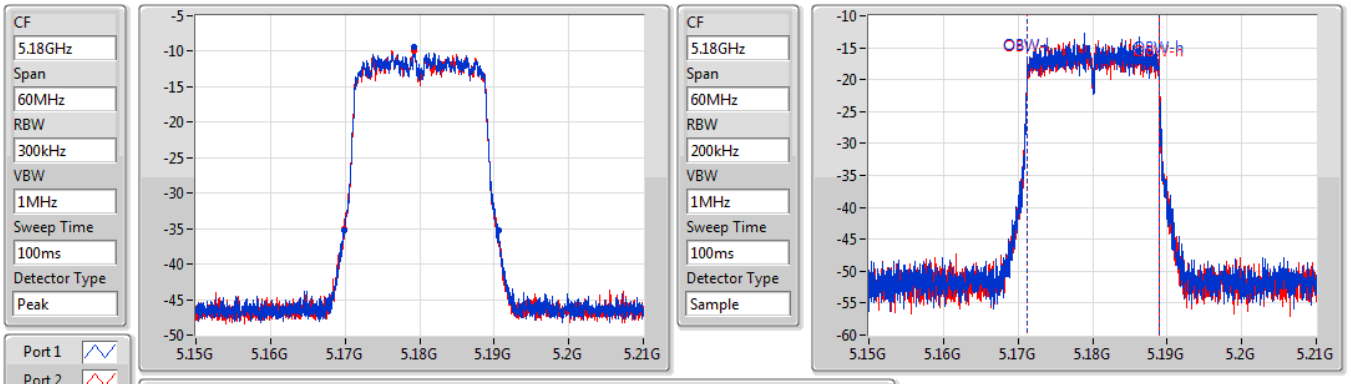
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.7M	17.631M	20.79M	17.631M
5200MHz	Pass	Inf	20.46M	17.631M	20.7M	17.601M
5240MHz	Pass	Inf	20.73M	17.601M	20.46M	17.631M
5745MHz	Pass	500k	17.19M	17.631M	17.28M	17.631M
5785MHz	Pass	500k	17.55M	17.601M	17.58M	17.601M
5825MHz	Pass	500k	17.55M	17.631M	17.55M	17.601M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.2M	36.042M	39.96M	36.042M
5230MHz	Pass	Inf	40.26M	36.102M	39.9M	36.042M
5755MHz	Pass	500k	35.7M	35.862M	35.88M	35.922M
5795MHz	Pass	500k	33.72M	35.982M	33.84M	35.862M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	84.96M	76.042M	84.36M	76.162M
5775MHz	Pass	500k	75.6M	75.802M	75.6M	75.682M

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

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5180MHz

21/06/2019

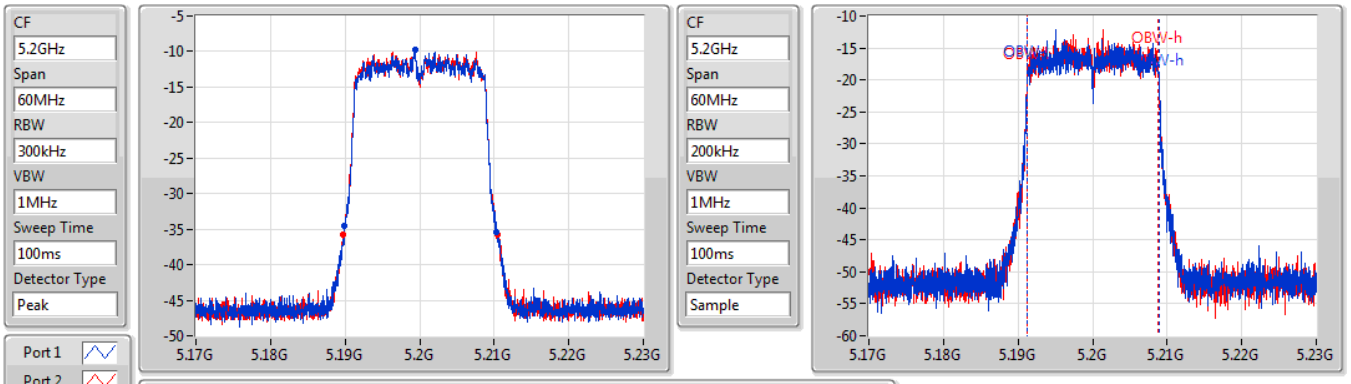


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.7M	5.16983G	5.19053G	17.631M	5.171244G	5.188876G	Inf	1
20.79M	5.16986G	5.19065G	17.631M	5.171244G	5.188876G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5200MHz

21/06/2019

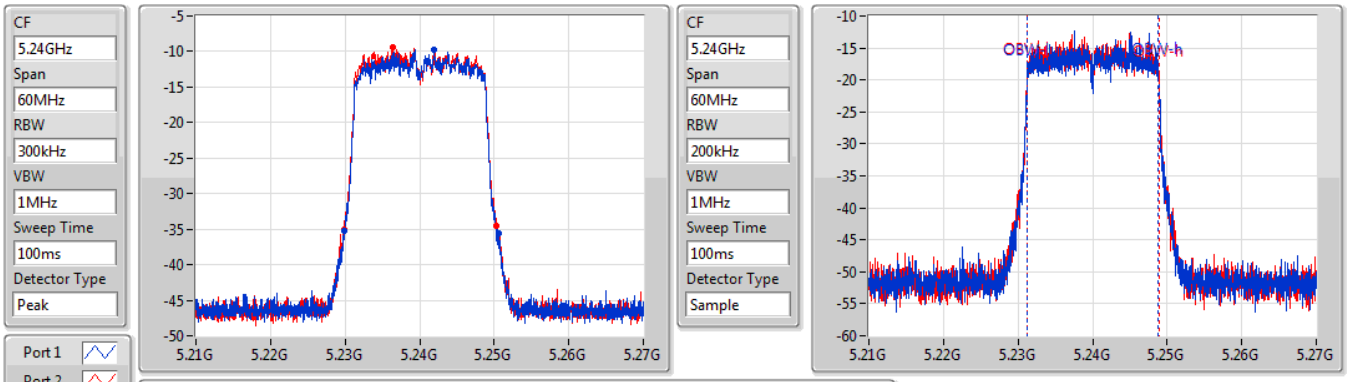


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.46M	5.18989G	5.21035G	17.631M	5.191244G	5.208876G	Inf	1
20.7M	5.18968G	5.21038G	17.601M	5.191244G	5.208846G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5240MHz

21/06/2019

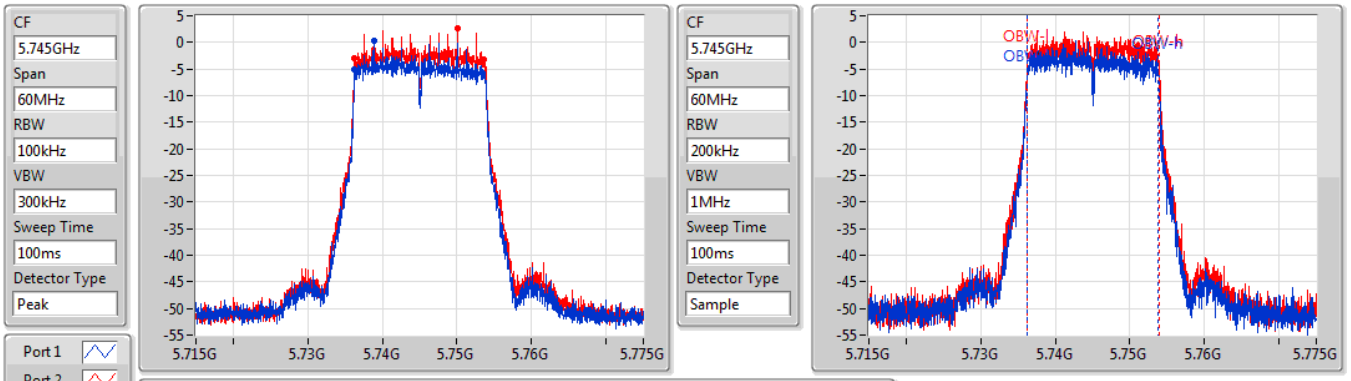


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.73M	5.22989G	5.25062G	17.601M	5.231244G	5.248846G	Inf	1
20.46M	5.22986G	5.25032G	17.631M	5.231244G	5.248876G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5745MHz

21/06/2019

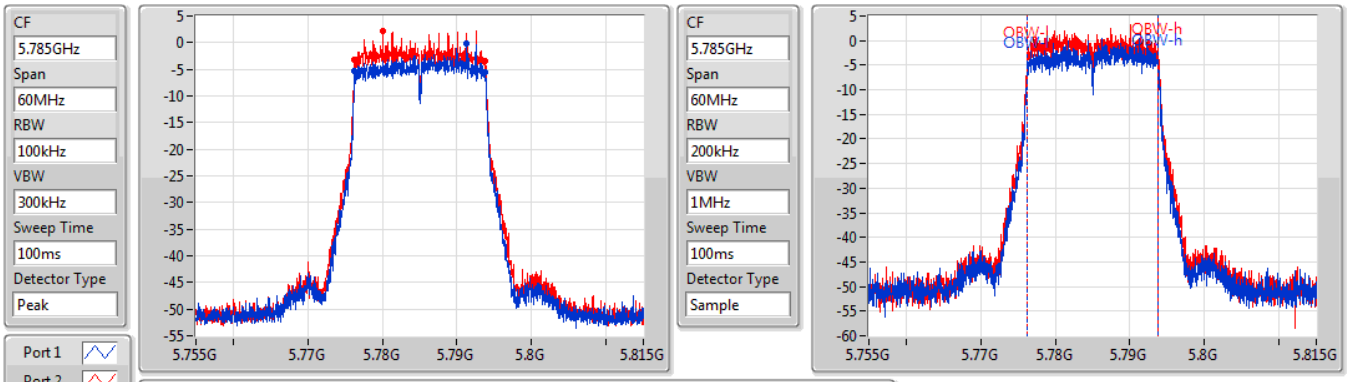


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.19M	5.7363G	5.75349G	17.631M	5.736214G	5.753846G	500k	1
17.28M	5.7363G	5.75358G	17.631M	5.736244G	5.753876G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5785MHz

21/06/2019

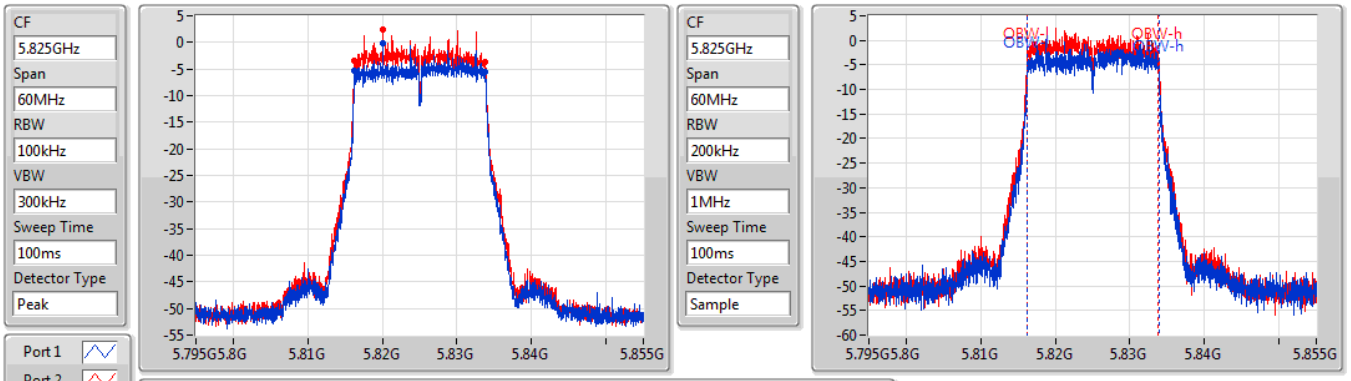


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.7763G	5.79385G	17.601M	5.776244G	5.793846G	500k	1
17.58M	5.77627G	5.79385G	17.601M	5.776244G	5.793846G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5825MHz

21/06/2019

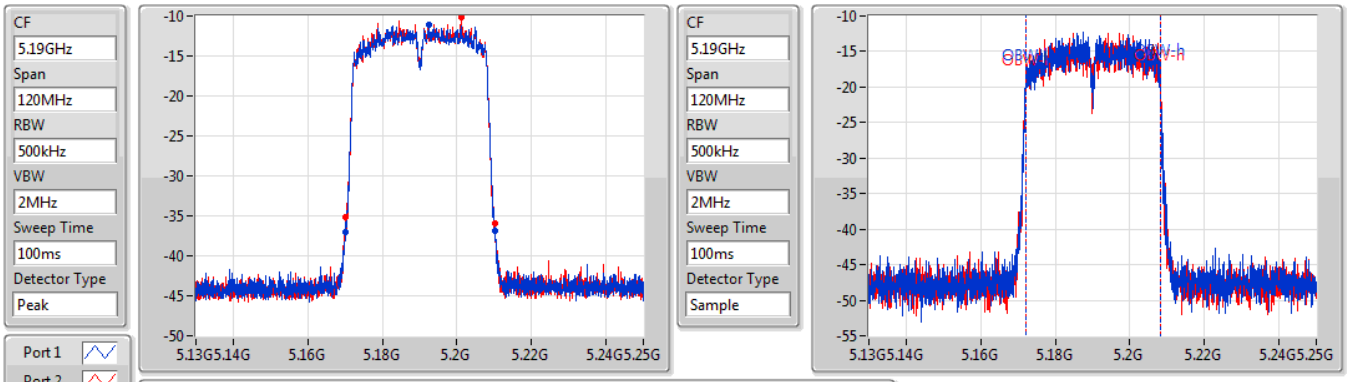


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.8163G	5.83385G	17.631M	5.816244G	5.833876G	500k	1
17.55M	5.81627G	5.83382G	17.601M	5.816244G	5.833846G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5190MHz

21/06/2019

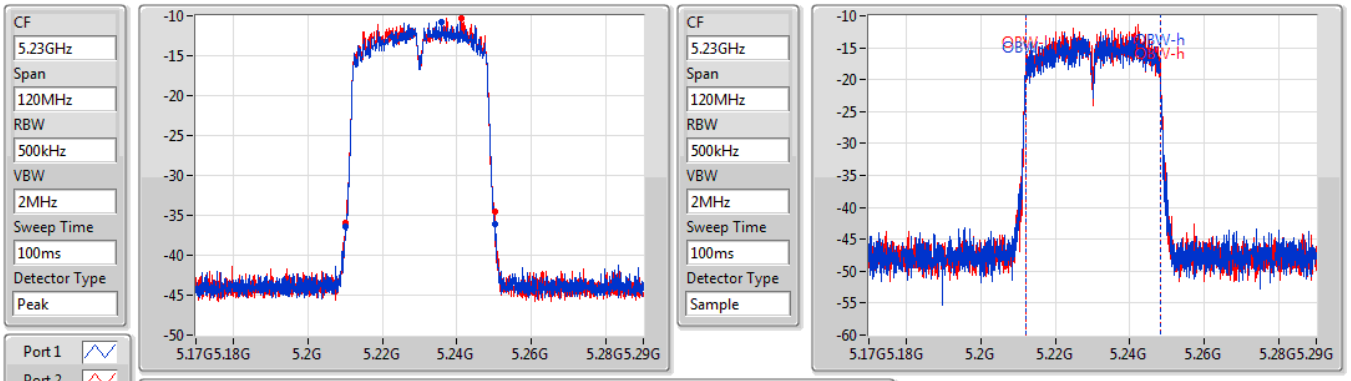


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.17008G	5.21028G	36.042M	5.172069G	5.208111G	Inf	1
39.96M	5.17026G	5.21022G	36.042M	5.172069G	5.208111G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5230MHz

21/06/2019

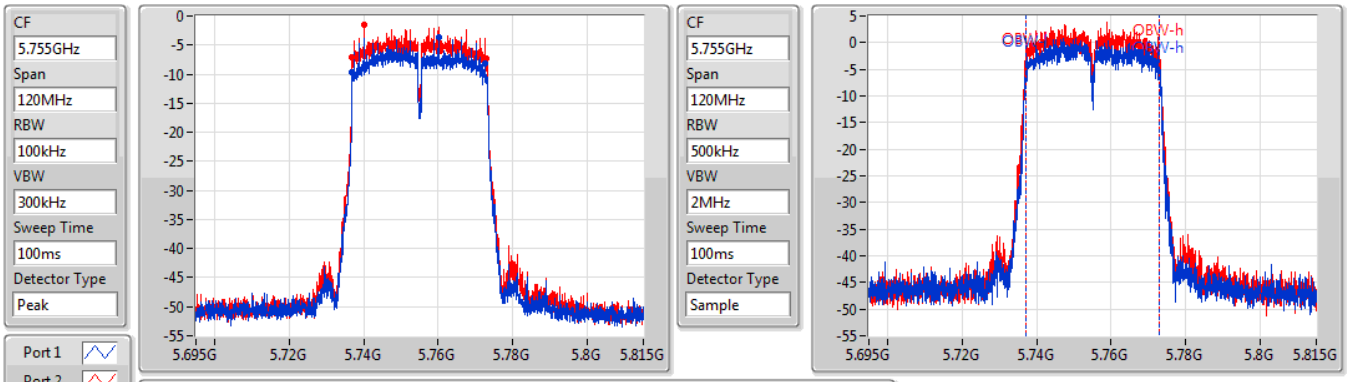


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.21002G	5.25028G	36.102M	5.212009G	5.248111G	Inf	1
39.9M	5.2102G	5.2501G	36.042M	5.212069G	5.248111G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5755MHz

21/06/2019

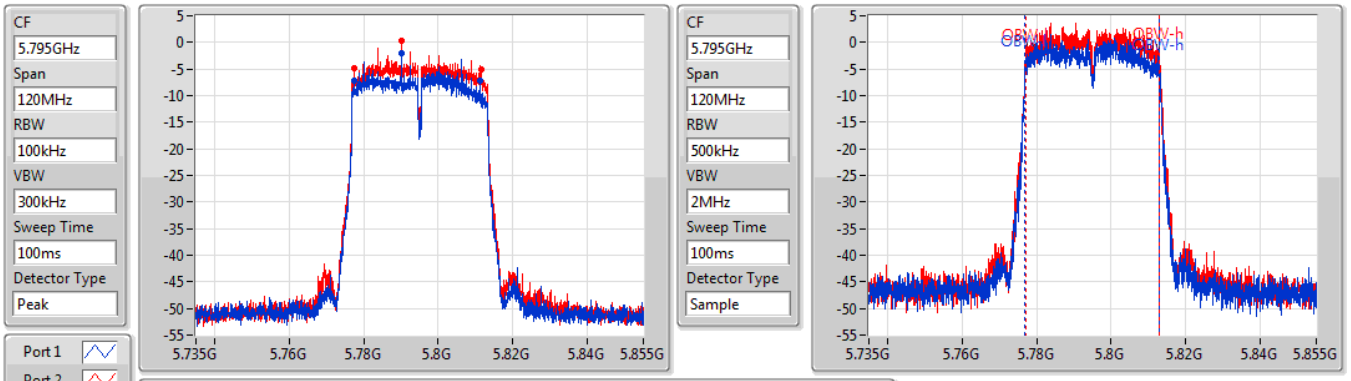


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	5.73694G	5.77264G	35.862M	5.737129G	5.772991G	500k	1
35.88M	5.73694G	5.77282G	35.922M	5.737069G	5.772991G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5795MHz

21/06/2019

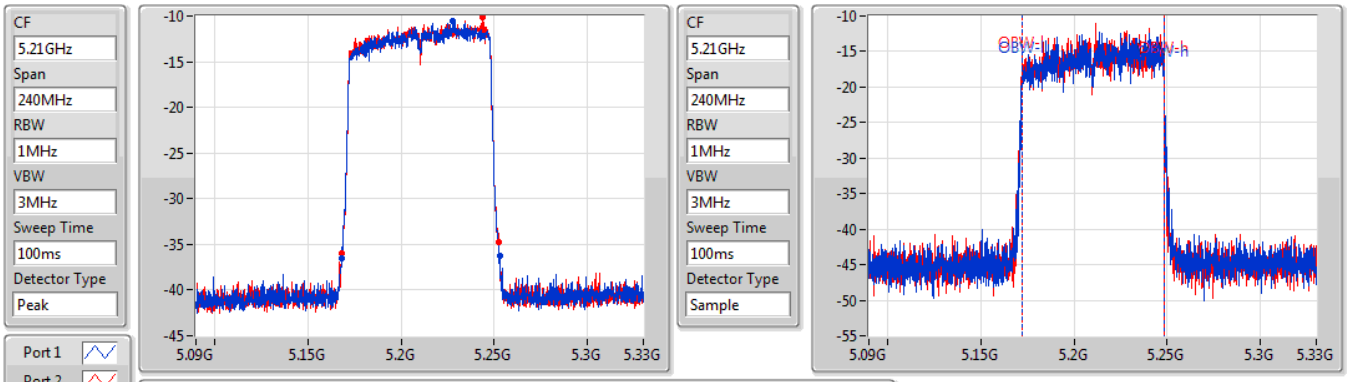


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.72M	5.77754G	5.81126G	35.982M	5.776949G	5.812931G	500k	1
33.84M	5.77754G	5.81138G	35.862M	5.777069G	5.812931G	500k	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5210MHz

21/06/2019

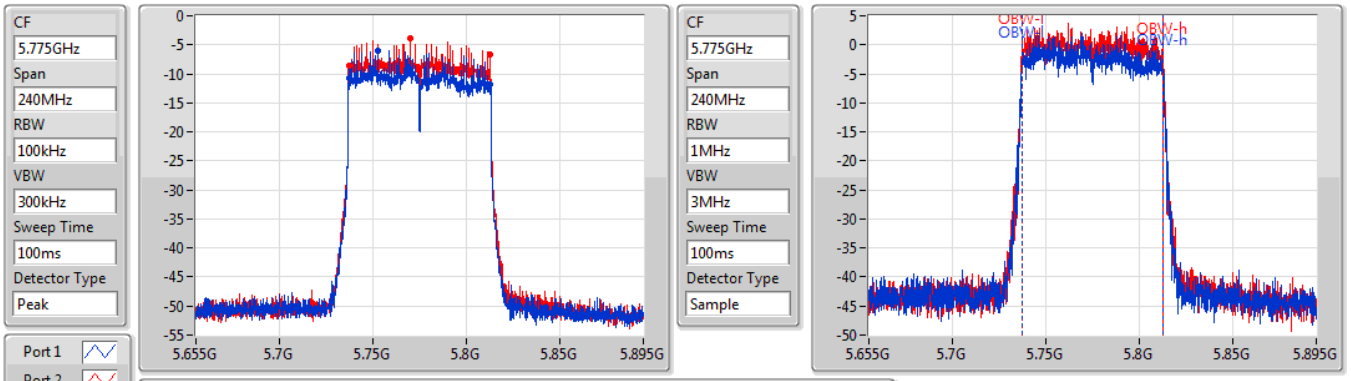


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84.96M	5.16824G	5.2532G	76.042M	5.172099G	5.248141G	Inf	1
84.36M	5.16836G	5.25272G	76.162M	5.171979G	5.248141G	Inf	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5775MHz

21/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.6M	5.73696G	5.81256G	75.802M	5.737099G	5.812901G	500k	1
75.6M	5.73696G	5.81256G	75.682M	5.737099G	5.812781G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	15.36	0.03436	20.82	0.12078
802.11ac VHT20_Nss1,(MCS0)_2TX	15.48	0.03532	20.94	0.12417
802.11ac VHT40_Nss1,(MCS0)_2TX	15.50	0.03548	20.96	0.12474
802.11ac VHT80_Nss1,(MCS0)_2TX	15.14	0.03266	20.60	0.11482
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.07	0.16106	35.49	3.53997
802.11ac VHT20_Nss1,(MCS0)_2TX	21.85	0.15311	35.27	3.36512
802.11ac VHT40_Nss1,(MCS0)_2TX	21.95	0.15668	35.37	3.44350
802.11ac VHT80_Nss1,(MCS0)_2TX	21.90	0.15488	35.32	3.40408

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.46	12.05	12.63	15.36	30.00	20.82	36.00
5200MHz	Pass	5.46	11.88	12.56	15.24	30.00	20.70	36.00
5240MHz	Pass	5.46	11.30	12.47	14.93	30.00	20.39	36.00
5745MHz	Pass	13.42	17.87	19.99	22.07	22.58	35.49	36.00
5785MHz	Pass	13.42	17.60	19.91	21.92	22.58	35.34	36.00
5825MHz	Pass	13.42	17.84	19.99	22.06	22.58	35.48	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.46	12.23	12.70	15.48	30.00	20.94	36.00
5200MHz	Pass	5.46	12.01	12.78	15.42	30.00	20.88	36.00
5240MHz	Pass	5.46	11.65	12.75	15.25	30.00	20.71	36.00
5745MHz	Pass	13.42	17.52	19.67	21.74	22.58	35.16	36.00
5785MHz	Pass	13.42	17.51	19.71	21.76	22.58	35.18	36.00
5825MHz	Pass	13.42	17.55	19.84	21.85	22.58	35.27	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.46	11.92	12.54	15.25	30.00	20.71	36.00
5230MHz	Pass	5.46	11.88	13.03	15.50	30.00	20.96	36.00
5755MHz	Pass	13.42	17.81	19.48	21.74	22.58	35.16	36.00
5795MHz	Pass	13.42	17.85	19.81	21.95	22.58	35.37	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.46	11.66	12.55	15.14	30.00	20.60	36.00
5775MHz	Pass	13.42	17.75	19.79	21.90	22.58	35.32	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)_2TX	12.47	0.01766	20.94	0.12417
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	12.51	0.01782	20.98	0.12531
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	12.07	0.01611	20.54	0.11324
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	19.04	0.08017	35.47	3.52371
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	18.90	0.07762	35.33	3.41193
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	18.71	0.07430	35.14	3.26588

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.47	9.27	9.65	12.47	27.53	20.94	36.00
5200MHz	Pass	8.47	8.86	9.61	12.26	27.53	20.73	36.00
5240MHz	Pass	8.47	8.71	9.57	12.17	27.53	20.64	36.00
5745MHz	Pass	16.43	14.30	16.70	18.67	19.57	35.10	36.00
5785MHz	Pass	16.43	14.67	17.07	19.04	19.57	35.47	36.00
5825MHz	Pass	16.43	14.56	16.75	18.80	19.57	35.23	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.47	8.94	9.37	12.17	27.53	20.64	36.00
5230MHz	Pass	8.47	8.99	9.95	12.51	27.53	20.98	36.00
5755MHz	Pass	16.43	14.54	16.91	18.90	19.57	35.33	36.00
5795MHz	Pass	16.43	14.50	16.61	18.69	19.57	35.12	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.47	8.57	9.50	12.07	27.53	20.54	36.00
5775MHz	Pass	16.43	14.51	16.64	18.71	19.57	35.14	36.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.65	0.04624	20.96	0.12474
802.11ac VHT20_Nss1,(MCS0)_2TX	16.68	0.04656	20.99	0.12560
802.11ac VHT40_Nss1,(MCS0)_2TX	16.68	0.04656	20.99	0.12560
802.11ac VHT80_Nss1,(MCS0)_2TX	16.64	0.04613	20.95	0.12445
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	26.58	0.45499	31.75	1.49624
802.11ac VHT20_Nss1,(MCS0)_2TX	26.47	0.44361	31.64	1.45881
802.11ac VHT40_Nss1,(MCS0)_2TX	26.79	0.47753	31.96	1.57036
802.11ac VHT80_Nss1,(MCS0)_2TX	22.37	0.17258	27.54	0.56754

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.31	13.46	13.81	16.65	30.00	20.96	36.00
5200MHz	Pass	4.31	13.32	13.94	16.65	30.00	20.96	36.00
5240MHz	Pass	4.31	12.85	13.94	16.44	30.00	20.75	36.00
5745MHz	Pass	5.17	23.03	21.43	25.31	30.00	30.48	36.00
5785MHz	Pass	5.17	23.46	23.67	26.58	30.00	31.75	36.00
5825MHz	Pass	5.17	23.47	23.34	26.42	30.00	31.59	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.31	13.35	13.75	16.56	30.00	20.87	36.00
5200MHz	Pass	4.31	12.86	13.82	16.38	30.00	20.69	36.00
5240MHz	Pass	4.31	13.06	14.21	16.68	30.00	20.99	36.00
5745MHz	Pass	5.17	23.13	21.52	25.41	30.00	30.58	36.00
5785MHz	Pass	5.17	23.35	23.57	26.47	30.00	31.64	36.00
5825MHz	Pass	5.17	23.46	23.42	26.45	30.00	31.62	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.31	13.27	14.03	16.68	30.00	20.99	36.00
5230MHz	Pass	4.31	13.00	14.05	16.57	30.00	20.88	36.00
5755MHz	Pass	5.17	23.88	23.67	26.79	30.00	31.96	36.00
5795MHz	Pass	5.17	22.50	22.71	25.62	30.00	30.79	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.31	13.21	14.01	16.64	30.00	20.95	36.00
5775MHz	Pass	5.17	18.23	20.25	22.37	30.00	27.54	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)_2TX	13.55	0.02265	20.87	0.12218
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	13.63	0.02307	20.95	0.12445
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	13.52	0.02249	20.84	0.12134
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	23.67	0.23281	31.85	1.53109
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	24.41	0.27606	32.59	1.81552
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	19.19	0.08299	27.37	0.54576

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.32	10.19	10.79	13.51	28.68	20.83	36.00
5200MHz	Pass	7.32	9.97	10.77	13.40	28.68	20.72	36.00
5240MHz	Pass	7.32	9.78	11.18	13.55	28.68	20.87	36.00
5745MHz	Pass	8.18	19.55	21.54	23.67	27.82	31.85	36.00
5785MHz	Pass	8.18	19.46	21.45	23.58	27.82	31.76	36.00
5825MHz	Pass	8.18	19.08	21.23	23.30	27.82	31.48	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.32	10.40	10.83	13.63	28.68	20.95	36.00
5230MHz	Pass	7.32	9.93	10.95	13.48	28.68	20.80	36.00
5755MHz	Pass	8.18	20.24	22.32	24.41	27.82	32.59	36.00
5795MHz	Pass	8.18	19.75	22.40	24.28	27.82	32.46	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.32	10.13	10.86	13.52	28.68	20.84	36.00
5775MHz	Pass	8.18	14.94	17.15	19.19	27.82	27.37	36.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	5.45	0.00351	19.87	0.09705
802.11ac VHT20_Nss1,(MCS0)_2TX	5.42	0.00348	19.84	0.09638
802.11ac VHT40_Nss1,(MCS0)_2TX	5.38	0.00345	19.80	0.09550
802.11ac VHT80_Nss1,(MCS0)_2TX	5.53	0.00357	19.95	0.09886
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.99	0.09977	35.49	3.53997
802.11ac VHT20_Nss1,(MCS0)_2TX	19.73	0.09397	35.23	3.33426
802.11ac VHT40_Nss1,(MCS0)_2TX	19.95	0.09886	35.45	3.50752
802.11ac VHT80_Nss1,(MCS0)_2TX	17.91	0.06180	33.41	2.19280

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.42	2.29	2.24	5.28	21.58	19.70	36.00
5200MHz	Pass	14.42	2.41	2.46	5.45	21.58	19.87	36.00
5240MHz	Pass	14.42	1.56	2.61	5.13	21.58	19.55	36.00
5745MHz	Pass	15.50	15.65	17.92	19.94	20.50	35.44	36.00
5785MHz	Pass	15.50	15.52	17.83	19.84	20.50	35.34	36.00
5825MHz	Pass	15.50	15.60	18.03	19.99	20.50	35.49	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.42	1.94	2.82	5.41	21.58	19.83	36.00
5200MHz	Pass	14.42	2.29	2.52	5.42	21.58	19.84	36.00
5240MHz	Pass	14.42	1.97	2.74	5.38	21.58	19.80	36.00
5745MHz	Pass	15.50	15.54	17.65	19.73	20.50	35.23	36.00
5785MHz	Pass	15.50	15.40	17.61	19.65	20.50	35.15	36.00
5825MHz	Pass	15.50	15.23	17.74	19.67	20.50	35.17	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.42	2.24	2.49	5.38	21.58	19.80	36.00
5230MHz	Pass	14.42	1.88	2.37	5.14	21.58	19.56	36.00
5755MHz	Pass	15.50	15.70	17.91	19.95	20.50	35.45	36.00
5795MHz	Pass	15.50	15.64	17.70	19.80	20.50	35.30	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.42	2.21	2.80	5.53	21.58	19.95	36.00
5775MHz	Pass	15.50	14.01	15.63	17.91	20.50	33.41	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)_2TX	2.52	0.00179	19.95	0.09886
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	2.43	0.00175	19.86	0.09683
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	2.22	0.00167	19.65	0.09226
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	16.95	0.04955	35.46	3.51560
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	16.94	0.04943	35.45	3.50752
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	16.70	0.04677	35.21	3.31894

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	17.43	-0.53	-0.64	2.43	18.57	19.86	36.00
5200MHz	Pass	17.43	-0.58	-0.59	2.43	18.57	19.86	36.00
5240MHz	Pass	17.43	-0.75	-0.24	2.52	18.57	19.95	36.00
5745MHz	Pass	18.51	12.46	14.67	16.71	17.49	35.22	36.00
5785MHz	Pass	18.51	12.65	14.93	16.95	17.49	35.46	36.00
5825MHz	Pass	18.51	12.25	14.67	16.64	17.49	35.15	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	17.43	-0.51	-0.81	2.35	18.57	19.78	36.00
5230MHz	Pass	17.43	-1.42	0.12	2.43	18.57	19.86	36.00
5755MHz	Pass	18.51	12.73	14.87	16.94	17.49	35.45	36.00
5795MHz	Pass	18.51	12.58	14.71	16.78	17.49	35.29	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	17.43	-0.68	-0.90	2.22	18.57	19.65	36.00
5775MHz	Pass	18.51	12.65	14.53	16.70	17.49	35.21	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)_2TX	2.10	10.57
802.11ac VHT20_Nss1,(MCS0)_2TX	1.35	9.82
802.11ac VHT40_Nss1,(MCS0)_2TX	-1.80	6.67
802.11ac VHT80_Nss1,(MCS0)_2TX	-4.28	4.19
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.31	23.74
802.11ac VHT20_Nss1,(MCS0)_2TX	6.13	22.56
802.11ac VHT40_Nss1,(MCS0)_2TX	3.39	19.82
802.11ac VHT80_Nss1,(MCS0)_2TX	0.72	17.15

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

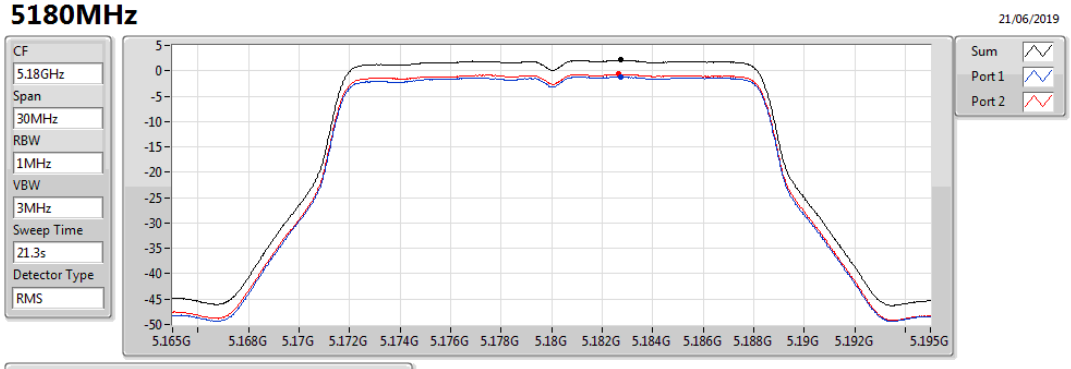
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.47	-1.15	-0.67	2.10	14.53	10.57	23.00
5200MHz	Pass	8.47	-1.32	-0.57	2.05	14.53	10.52	23.00
5240MHz	Pass	8.47	-1.63	-0.64	1.83	14.53	10.30	23.00
5745MHz	Pass	16.43	3.34	5.18	7.31	19.57	23.74	36.00
5785MHz	Pass	16.43	3.33	5.24	7.28	19.57	23.71	36.00
5825MHz	Pass	16.43	2.48	4.09	6.36	19.57	22.79	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.47	-1.92	-1.38	1.35	14.53	9.82	23.00
5200MHz	Pass	8.47	-2.20	-1.33	1.21	14.53	9.68	23.00
5240MHz	Pass	8.47	-2.55	-1.54	0.87	14.53	9.34	23.00
5745MHz	Pass	16.43	2.07	3.99	6.02	19.57	22.45	36.00
5785MHz	Pass	16.43	2.21	3.83	6.04	19.57	22.47	36.00
5825MHz	Pass	16.43	2.20	3.99	6.13	19.57	22.56	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.47	-5.42	-4.83	-2.12	14.53	6.35	23.00
5230MHz	Pass	8.47	-5.32	-4.24	-1.80	14.53	6.67	23.00
5755MHz	Pass	16.43	-0.57	1.36	3.39	19.57	19.82	36.00
5795MHz	Pass	16.43	-0.55	1.33	3.26	19.57	19.69	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.47	-7.75	-6.85	-4.28	14.53	4.19	23.00
5775MHz	Pass	16.43	-3.00	-1.63	0.72	19.57	17.15	36.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX PSD

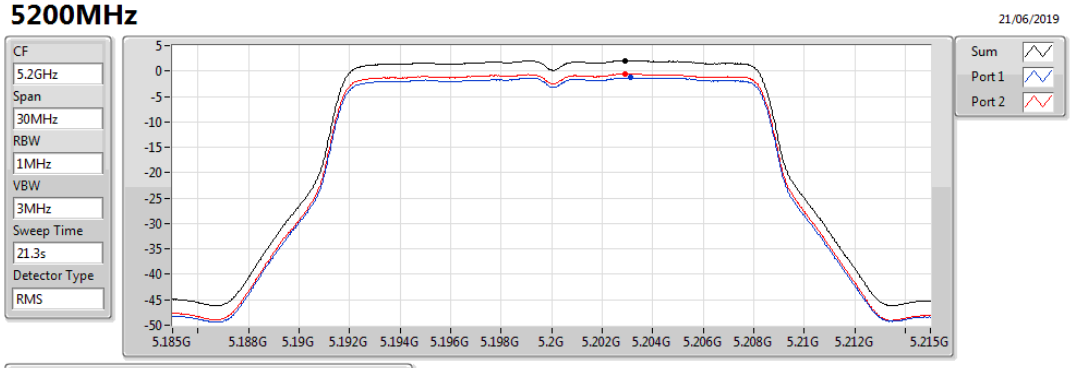
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.10	2.10	-1.15	-0.67

802.11a_Nss1,(6Mbps)_2TX PSD

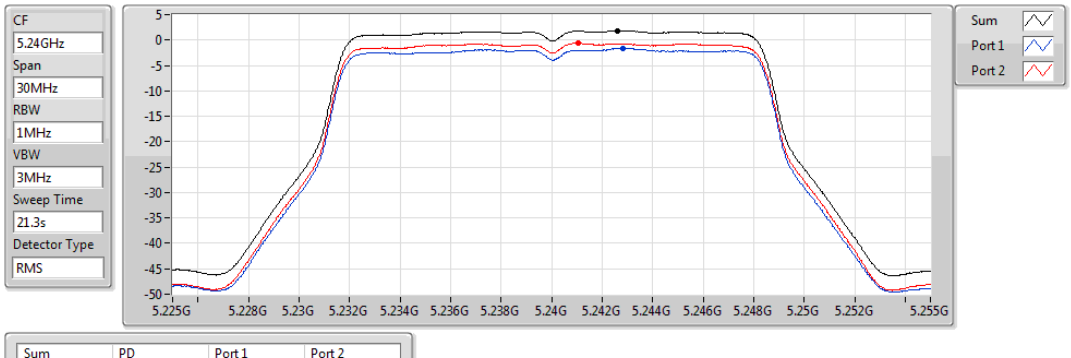
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.05	2.05	-1.32	-0.57

802.11a_Nss1,(6Mbps)_2TX PSD

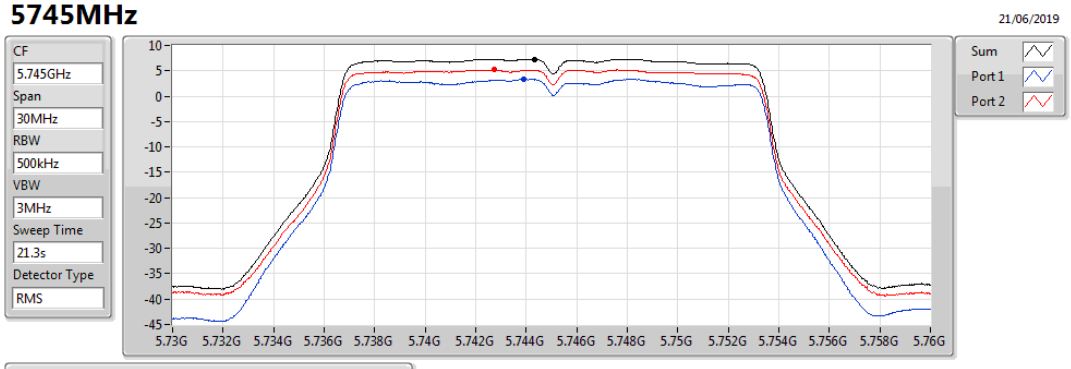
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.83	1.83	-1.63	-0.64

802.11a_Nss1,(6Mbps)_2TX PSD

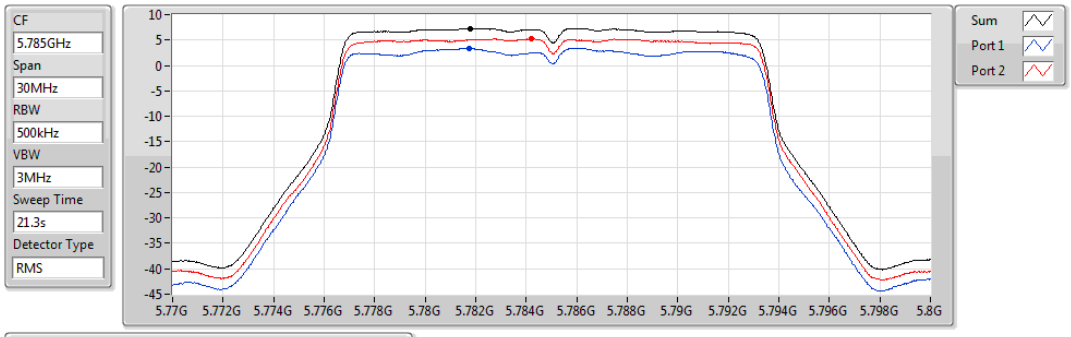
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.31	7.31	3.34	5.18

802.11a_Nss1,(6Mbps)_2TX PSD

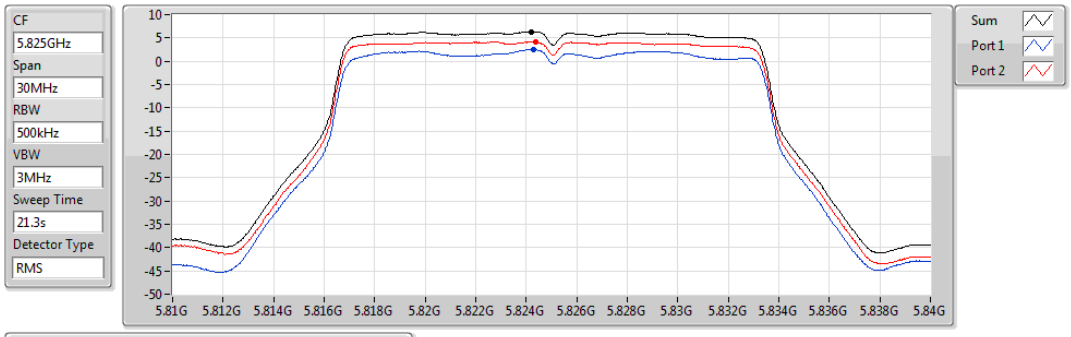
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.28	7.28	3.33	5.24

802.11a_Nss1,(6Mbps)_2TX PSD

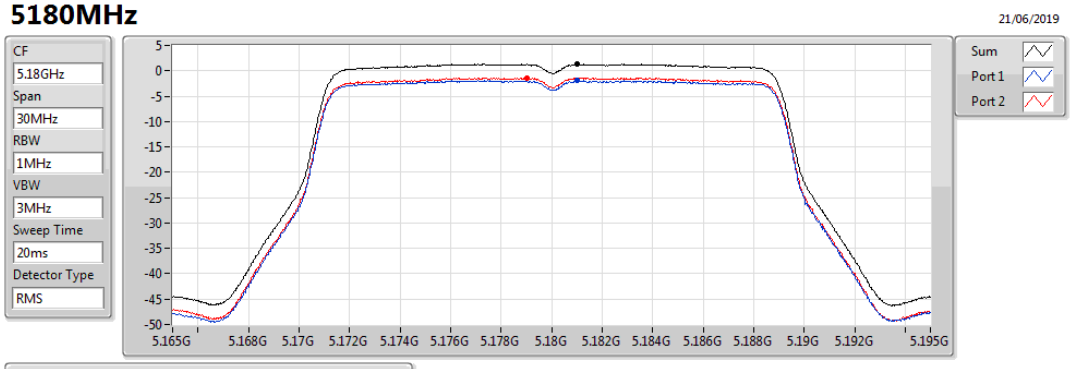
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.36	6.36	2.48	4.09

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

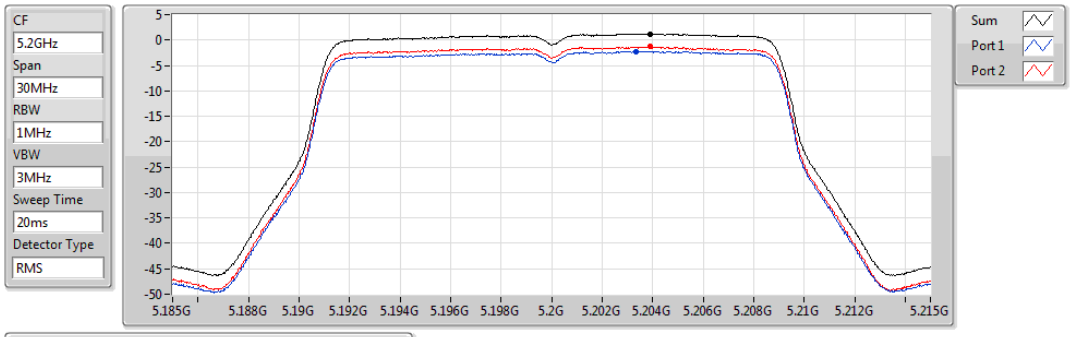
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.35	1.35	-1.92	-1.38

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

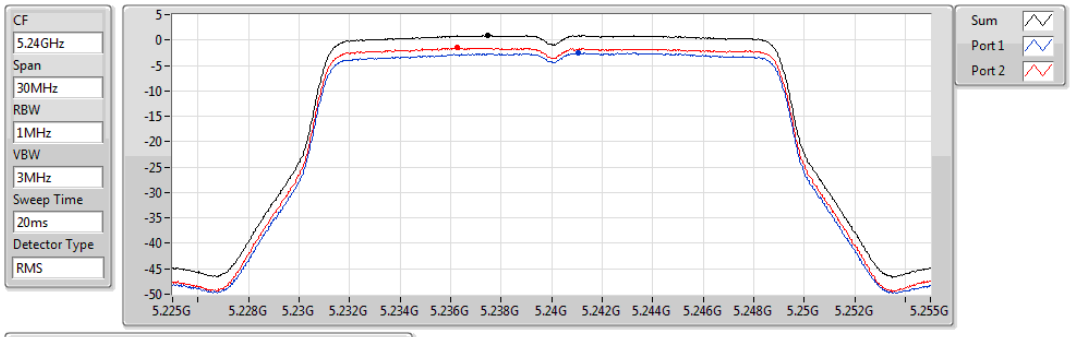
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.21	1.21	-2.20	-1.33

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

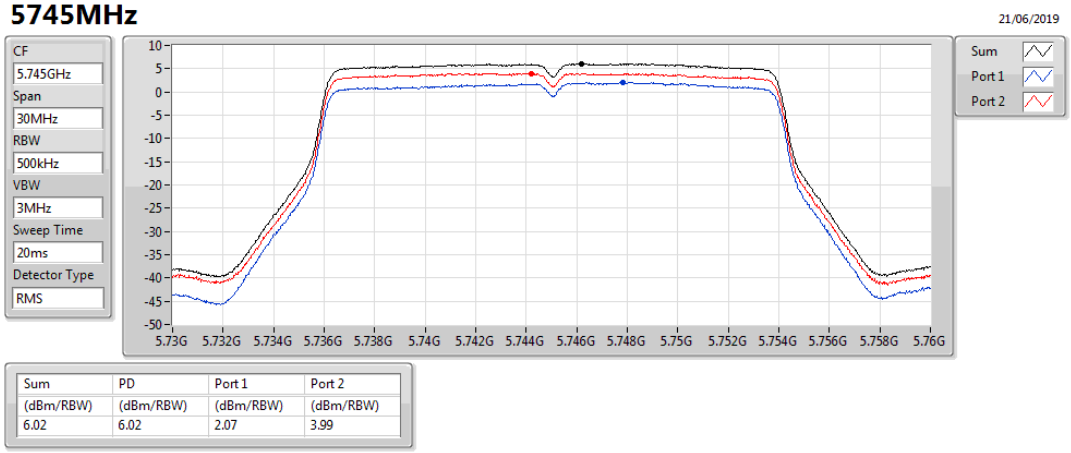
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.87	0.87	-2.55	-1.54

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

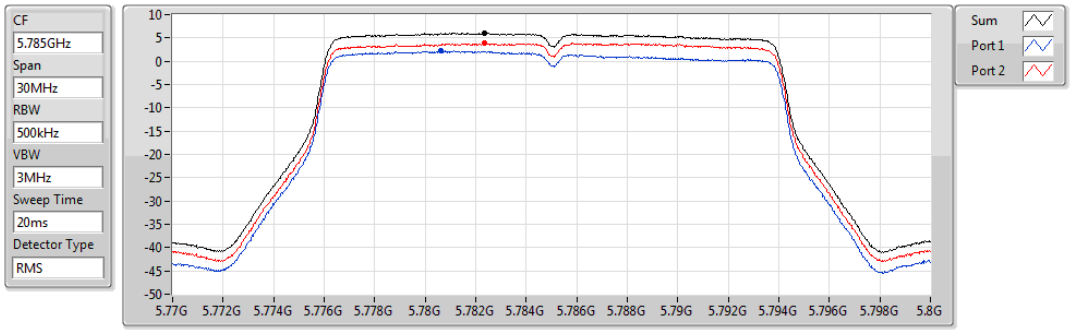
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.02	6.02	2.07	3.99

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

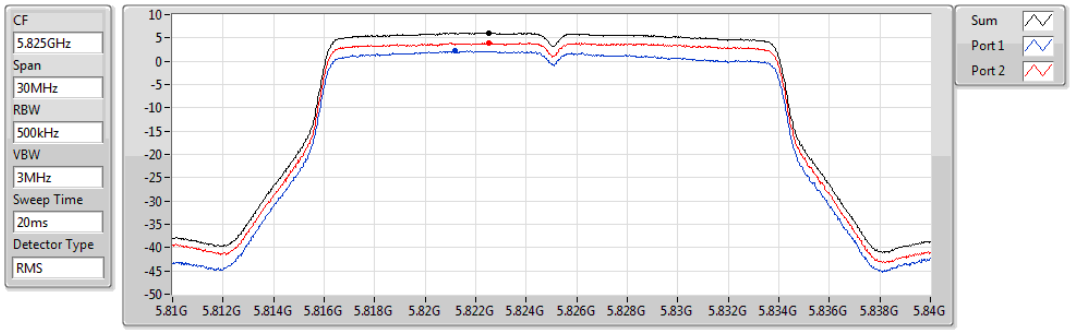
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.04	6.04	2.21	3.83

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

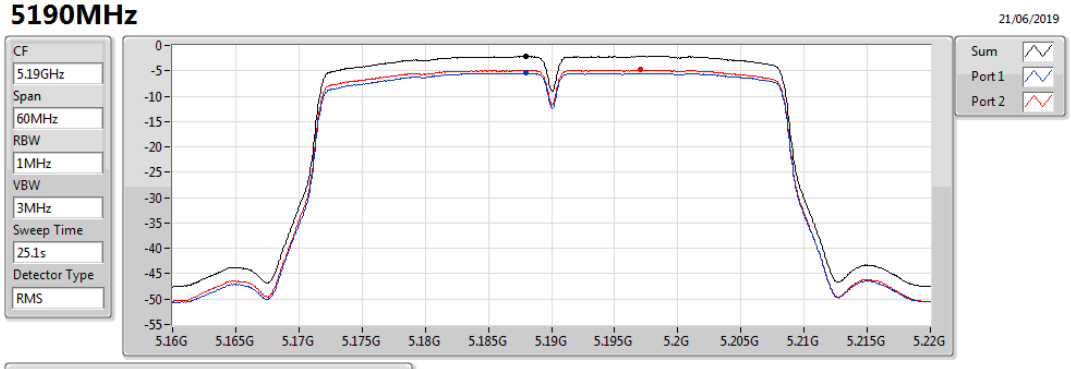
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.13	6.13	2.20	3.99

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

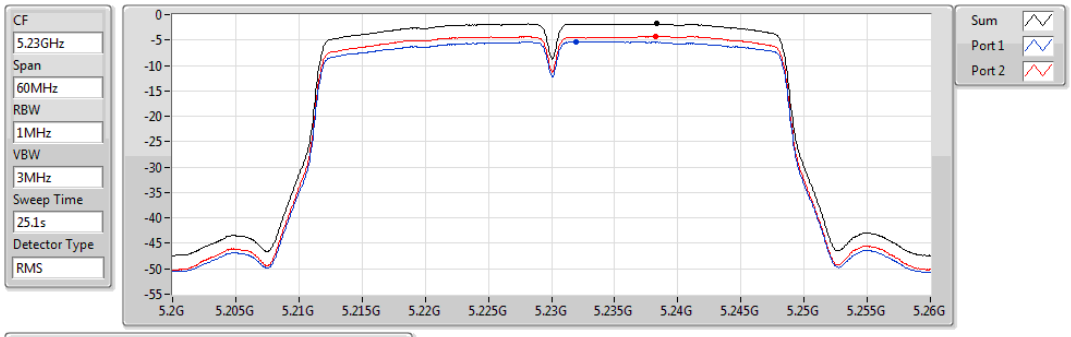
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.12	-2.12	-5.42	-4.83

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

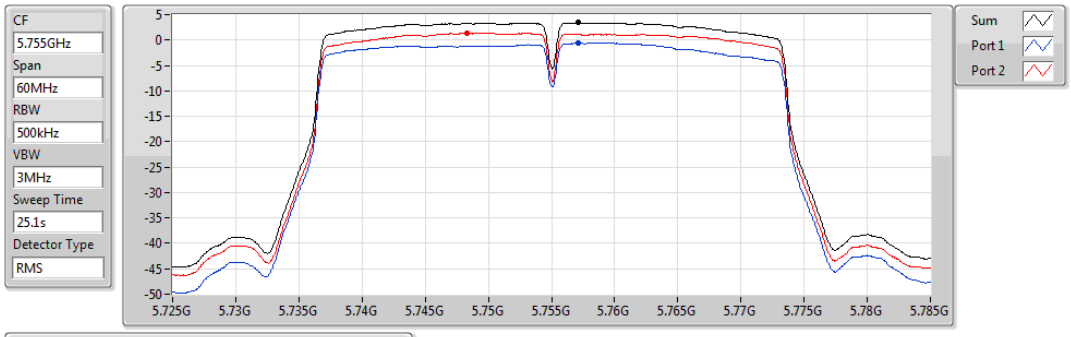
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.80	-1.80	-5.32	-4.24

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

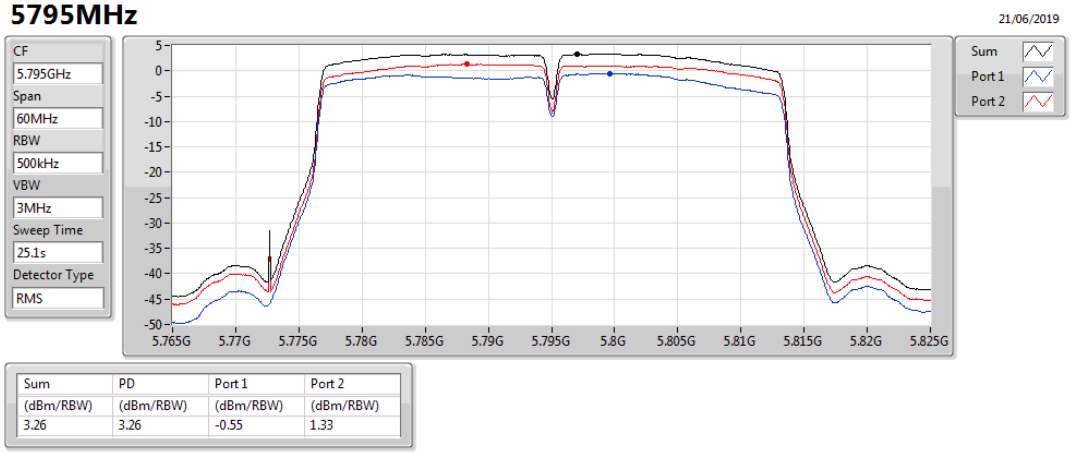
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.39	3.39	-0.57	1.36

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

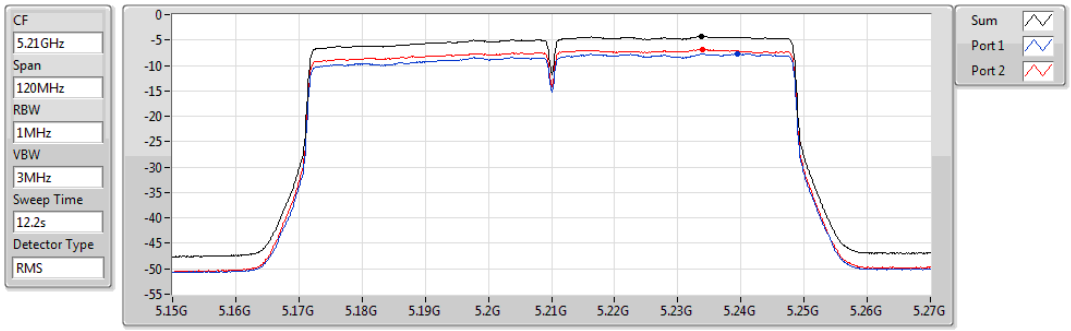
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.26	3.26	-0.55	1.33

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

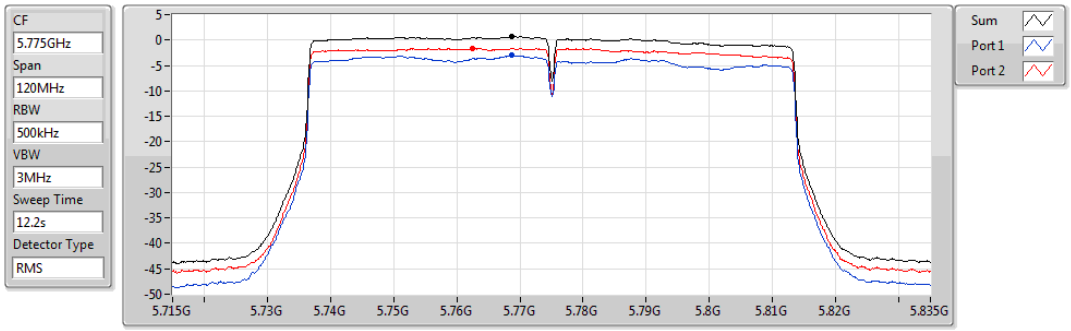
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.28	-4.28	-7.75	-6.85

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.72	0.72	-3.00	-1.63

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-2.04	6.43
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-4.60	3.87
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-8.39	0.08
5.725-5.85GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	3.14	19.57
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	0.08	16.51
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-3.10	13.33

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

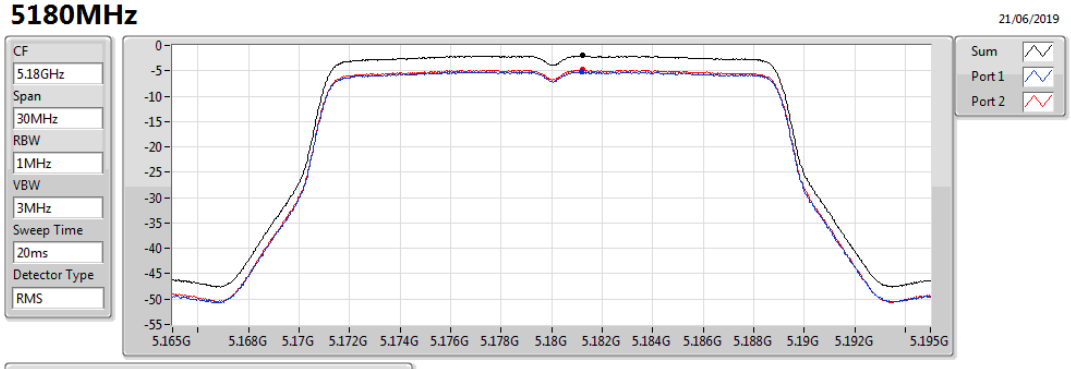
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.47	-5.22	-4.83	-2.04	14.53	6.43	23.00
5200MHz	Pass	8.47	-5.40	-4.76	-2.13	14.53	6.34	23.00
5240MHz	Pass	8.47	-5.67	-4.86	-2.35	14.53	6.12	23.00
5745MHz	Pass	16.43	-1.32	0.82	2.85	19.57	19.28	36.00
5785MHz	Pass	16.43	-0.70	1.14	3.14	19.57	19.57	36.00
5825MHz	Pass	16.43	-0.88	0.79	3.00	19.57	19.43	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.47	-8.01	-7.80	-4.90	14.53	3.57	23.00
5230MHz	Pass	8.47	-8.05	-7.17	-4.60	14.53	3.87	23.00
5755MHz	Pass	16.43	-3.99	-1.81	0.08	19.57	16.51	36.00
5795MHz	Pass	16.43	-3.97	-1.87	-0.03	19.57	16.40	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.47	-11.75	-11.02	-8.39	14.53	0.08	23.00
5775MHz	Pass	16.43	-6.98	-5.35	-3.10	19.57	13.33	36.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

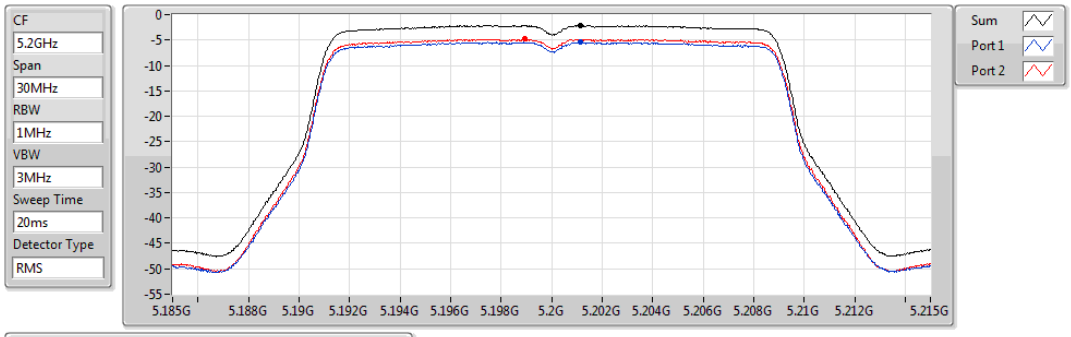
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.04	-2.04	-5.22	-4.83

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

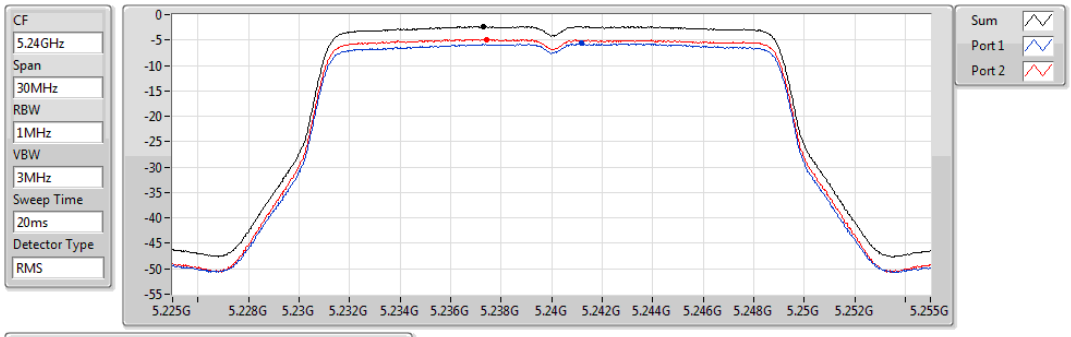
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.13	-2.13	-5.40	-4.76

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

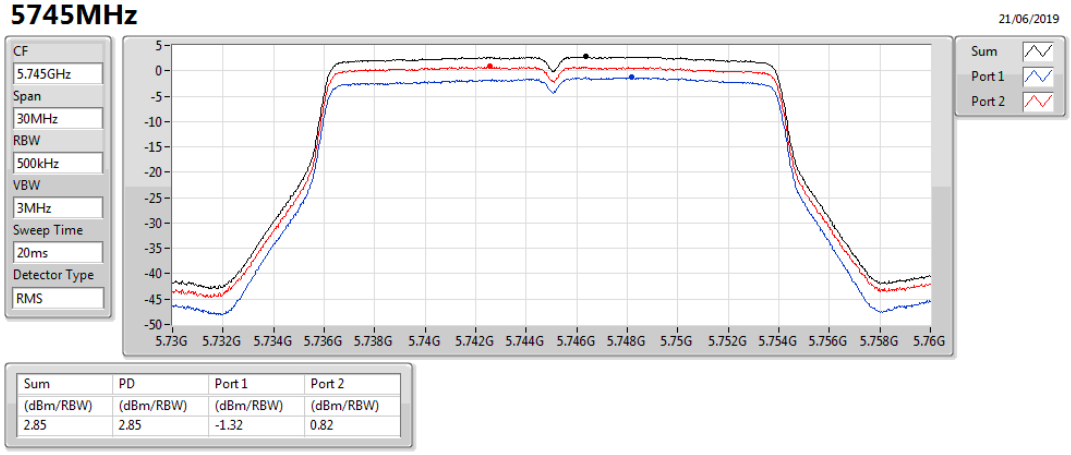
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.35	-2.35	-5.67	-4.86

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

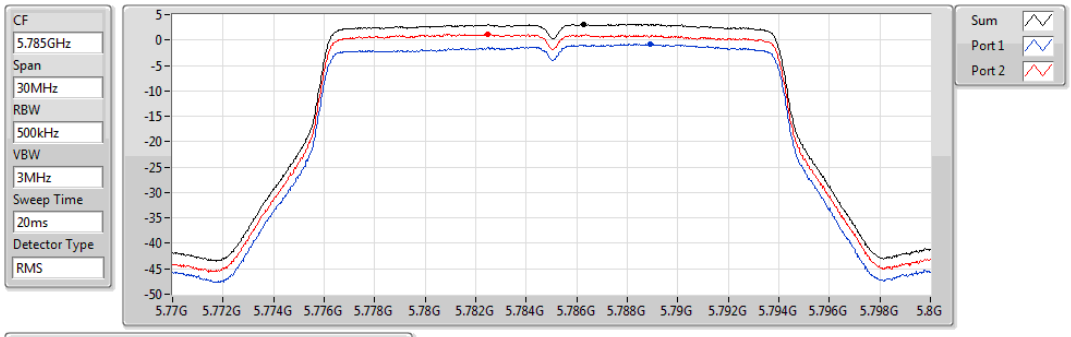
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.85	2.85	-1.32	0.82

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

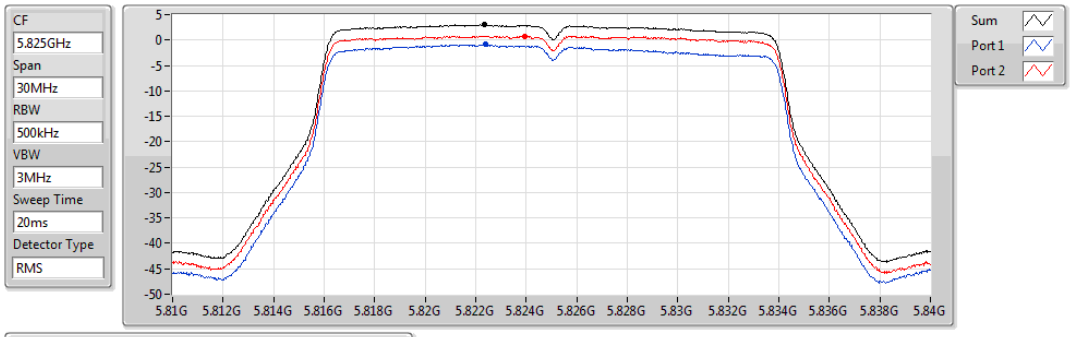
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.14	3.14	-0.70	1.14

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

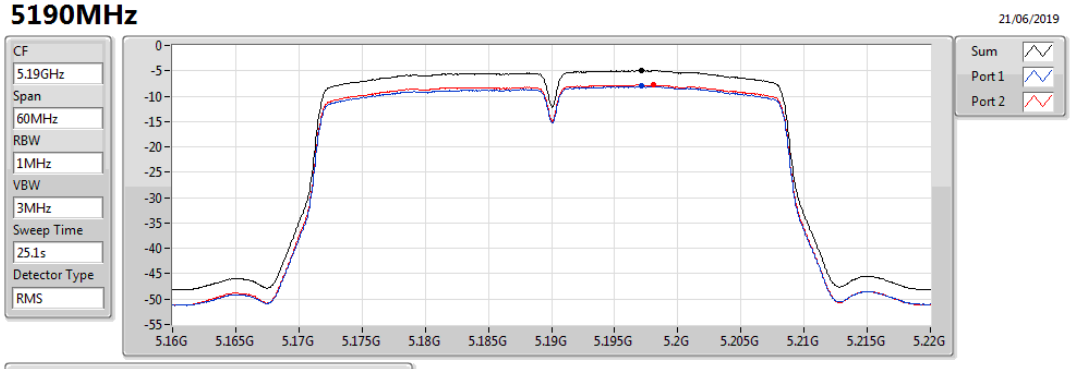
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.00	3.00	-0.88	0.79

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

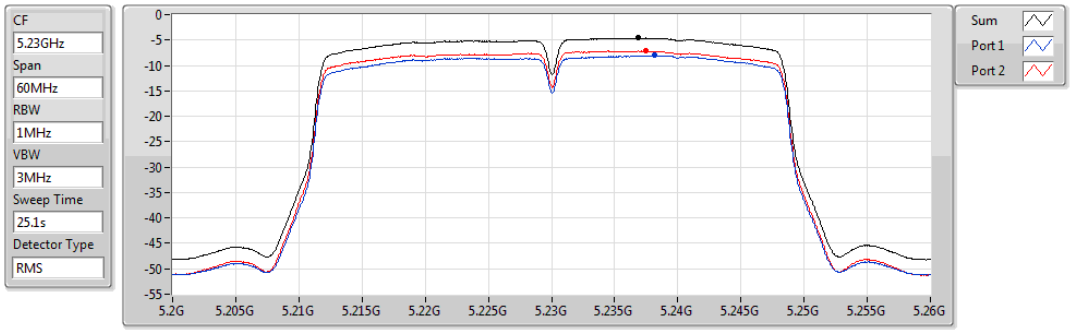
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.90	-4.90	-8.01	-7.80

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

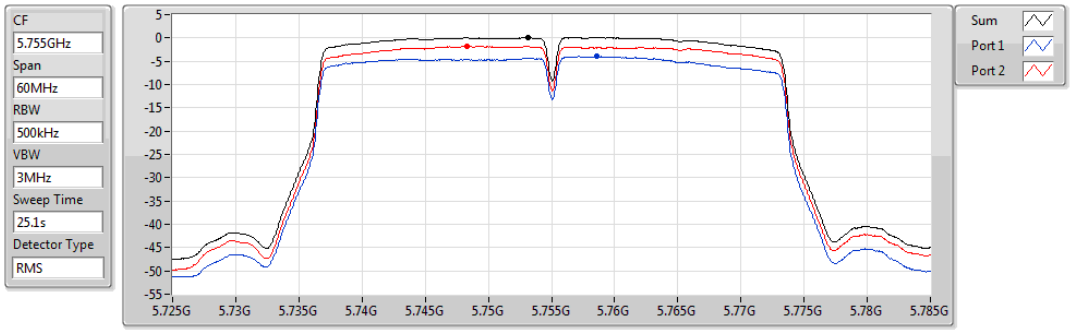
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.60	-4.60	-8.05	-7.17

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

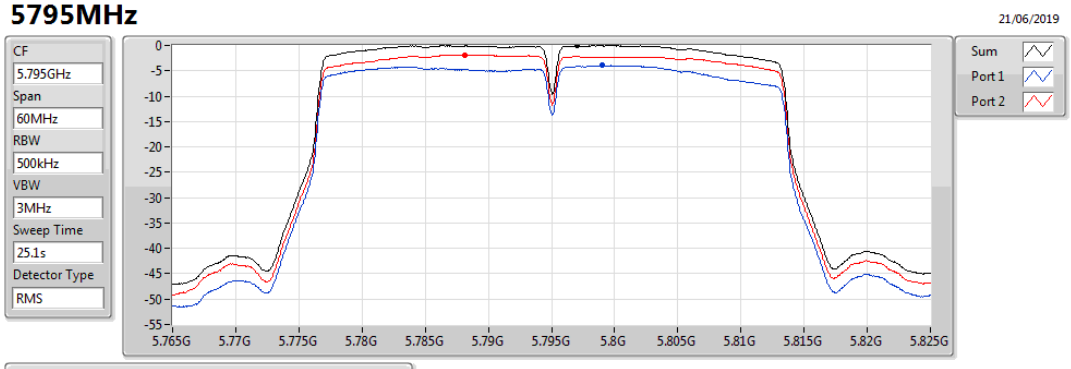
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.08	0.08	-3.99	-1.81

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

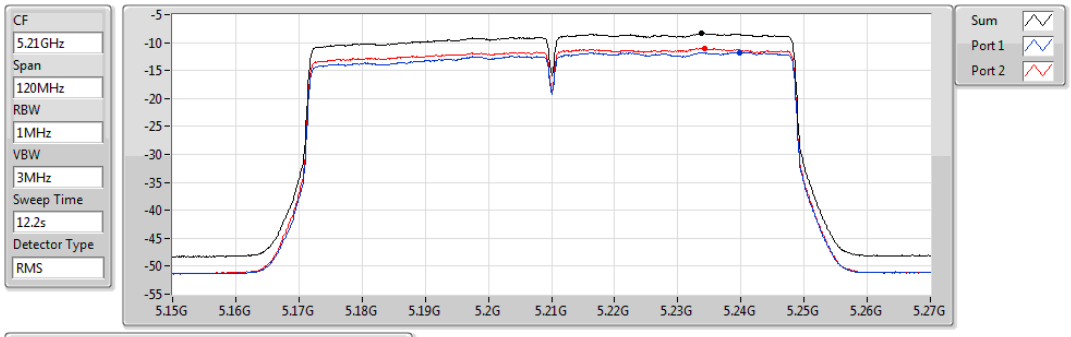
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.03	-0.03	-3.97	-1.87

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

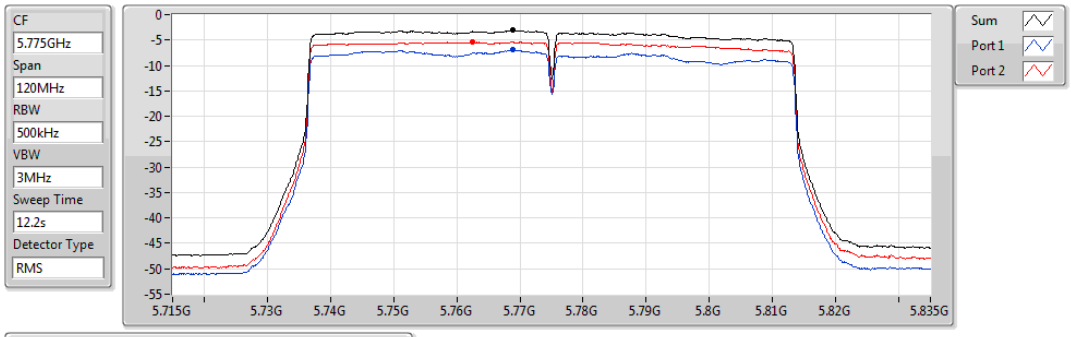
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.39	-8.39	-11.75	-11.02

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.10	-3.10	-6.98	-5.35

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	3.64	10.96
802.11ac VHT20_Nss1,(MCS0)_2TX	2.49	9.81
802.11ac VHT40_Nss1,(MCS0)_2TX	-0.36	6.96
802.11ac VHT80_Nss1,(MCS0)_2TX	-2.75	4.57
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	11.85	20.03
802.11ac VHT20_Nss1,(MCS0)_2TX	10.67	18.85
802.11ac VHT40_Nss1,(MCS0)_2TX	7.71	15.89
802.11ac VHT80_Nss1,(MCS0)_2TX	1.61	9.79

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

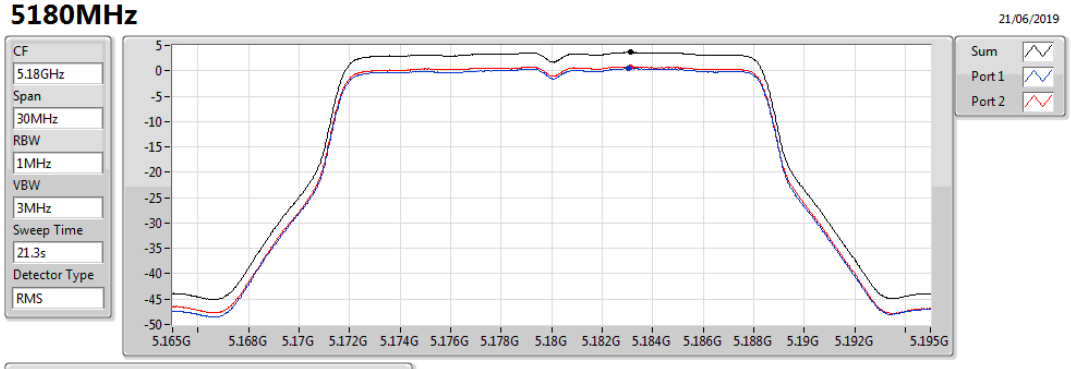
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.32	0.45	0.81	3.64	15.68	10.96	23.00
5200MHz	Pass	7.32	0.21	0.91	3.56	15.68	10.88	23.00
5240MHz	Pass	7.32	-0.10	0.89	3.36	15.68	10.68	23.00
5745MHz	Pass	8.18	8.42	6.69	10.61	27.82	18.79	36.00
5785MHz	Pass	8.18	9.00	8.76	11.85	27.82	20.03	36.00
5825MHz	Pass	8.18	9.19	8.51	11.84	27.82	20.02	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.32	-0.77	-0.37	2.42	15.68	9.74	23.00
5200MHz	Pass	7.32	-1.08	-0.25	2.33	15.68	9.65	23.00
5240MHz	Pass	7.32	-1.29	0.17	2.49	15.68	9.81	23.00
5745MHz	Pass	8.18	7.27	5.60	9.47	27.82	17.65	36.00
5785MHz	Pass	8.18	7.58	7.59	10.39	27.82	18.57	36.00
5825MHz	Pass	8.18	7.96	7.37	10.67	27.82	18.85	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.32	-3.67	-3.07	-0.36	15.68	6.96	23.00
5230MHz	Pass	7.32	-4.15	-3.03	-0.57	15.68	6.75	23.00
5755MHz	Pass	8.18	4.96	4.68	7.71	27.82	15.89	36.00
5795MHz	Pass	8.18	3.67	3.89	6.59	27.82	14.77	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.32	-6.05	-5.41	-2.75	15.68	4.57	23.00
5775MHz	Pass	8.18	-2.17	-0.70	1.61	27.82	9.79	36.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX PSD

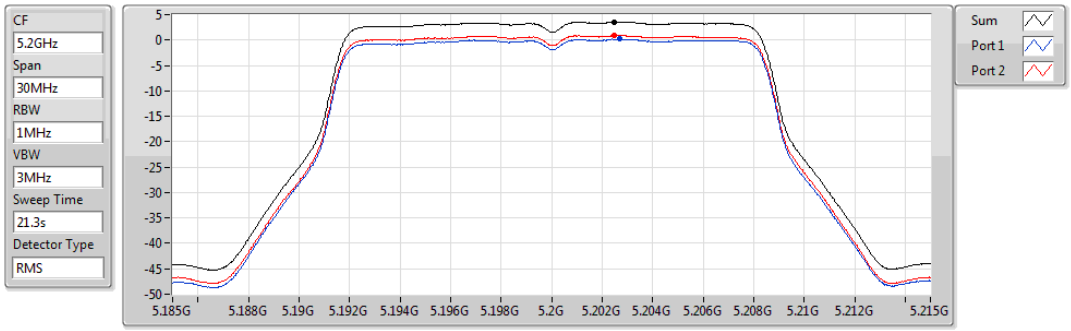
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.64	3.64	0.45	0.81

802.11a_Nss1,(6Mbps)_2TX PSD

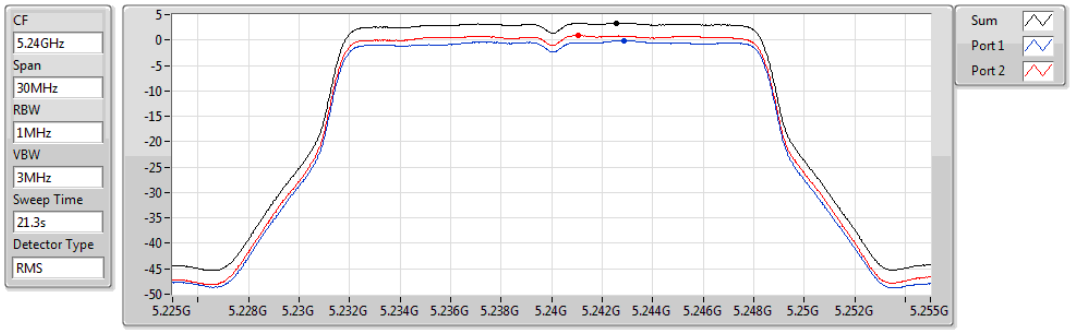
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.56	3.56	0.21	0.91

802.11a_Nss1,(6Mbps)_2TX PSD

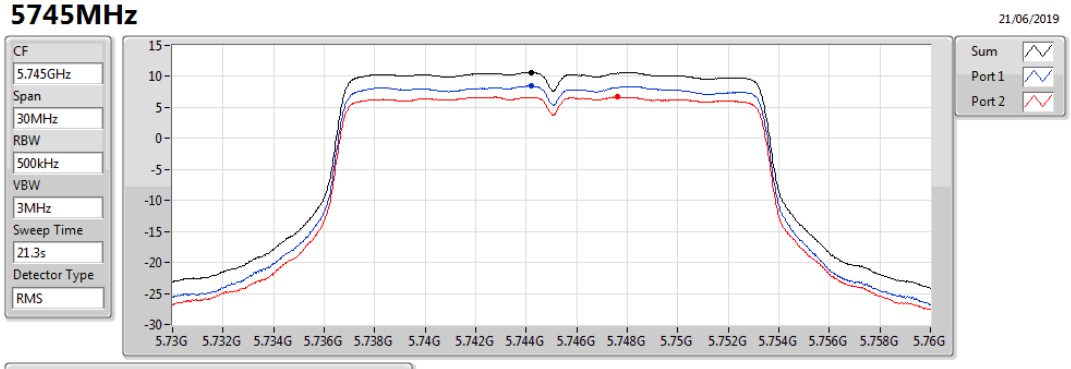
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.36	3.36	-0.10	0.89

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

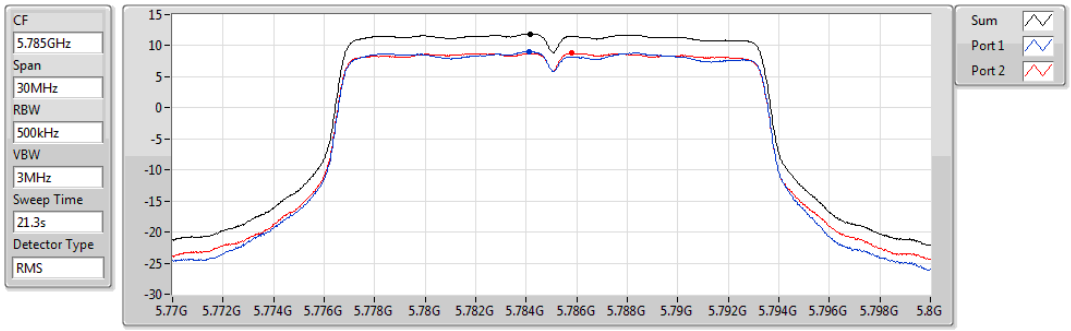
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.61	10.61	8.42	6.69

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

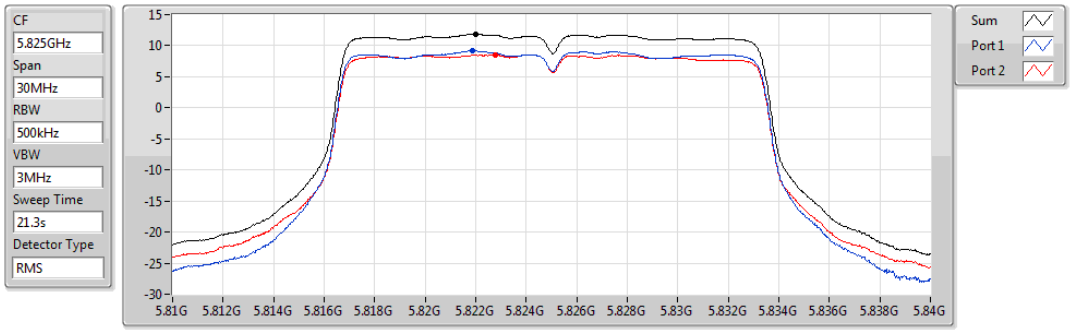
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.85	11.85	9.00	8.76

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

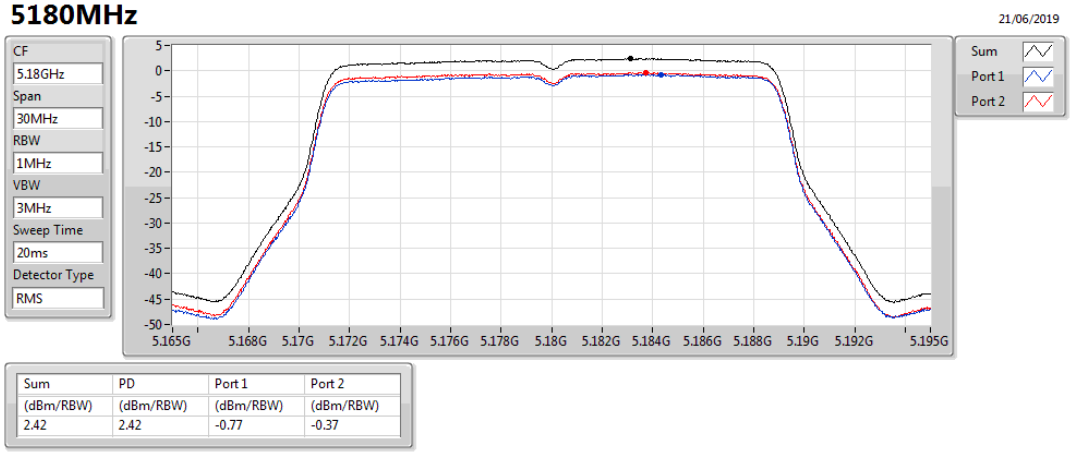
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.84	11.84	9.19	8.51

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

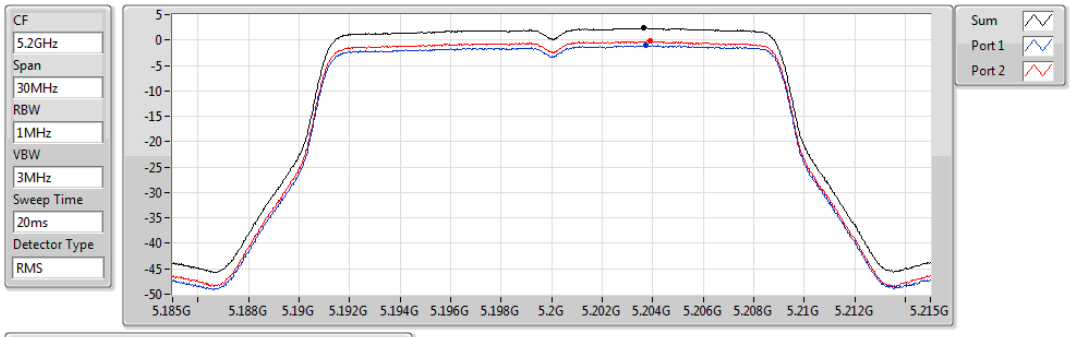
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.42	2.42	-0.77	-0.37

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

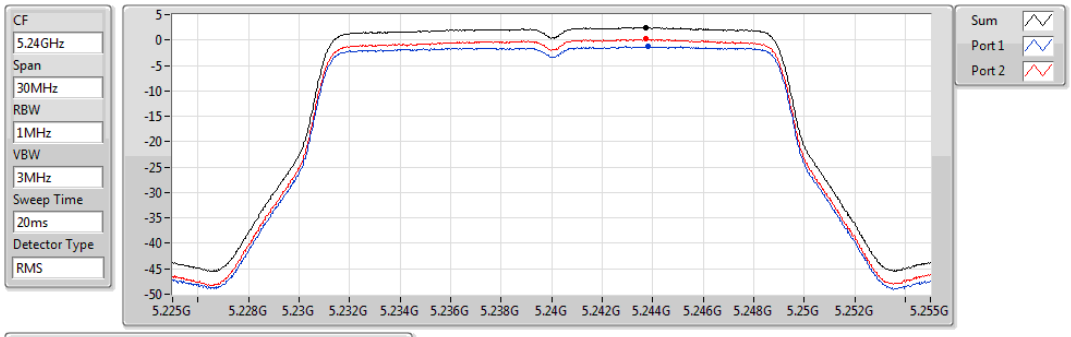
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.33	2.33	-1.08	-0.25

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

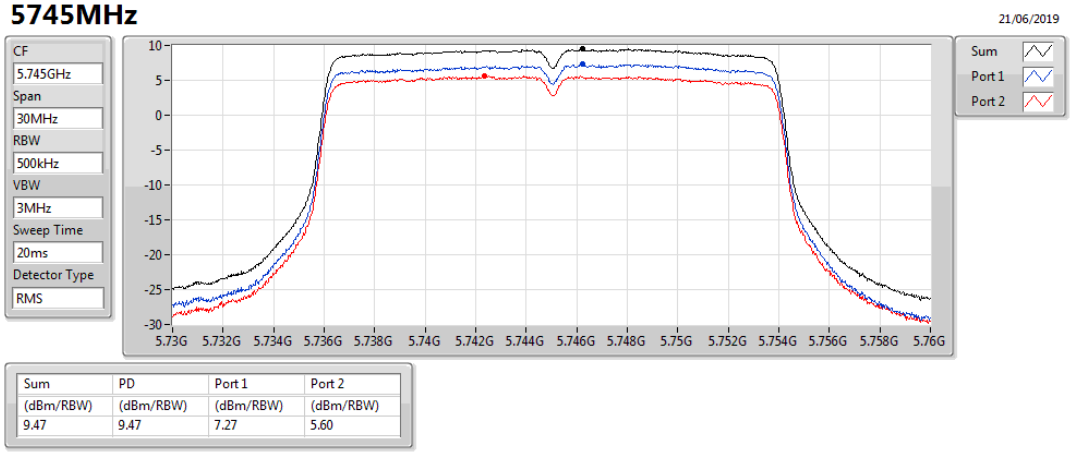
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.49	2.49	-1.29	0.17

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

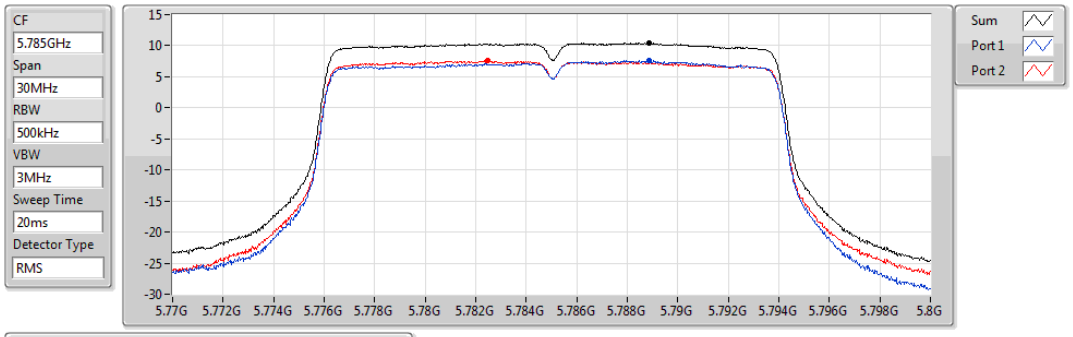
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.47	9.47	7.27	5.60

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

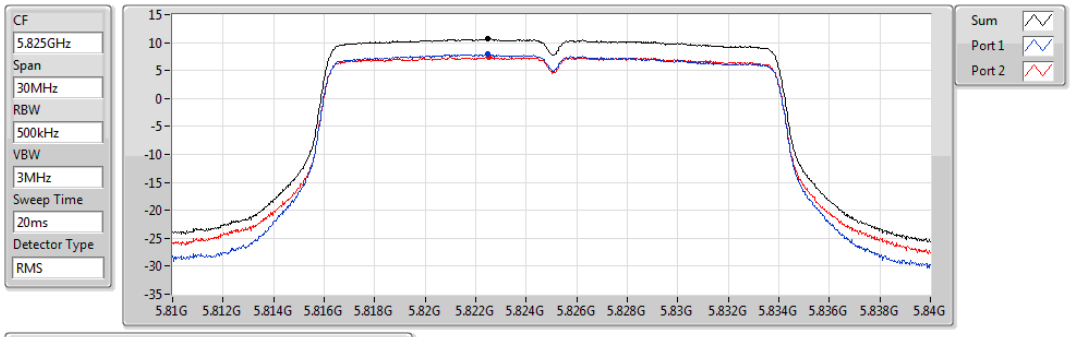
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.39	10.39	7.58	7.59

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

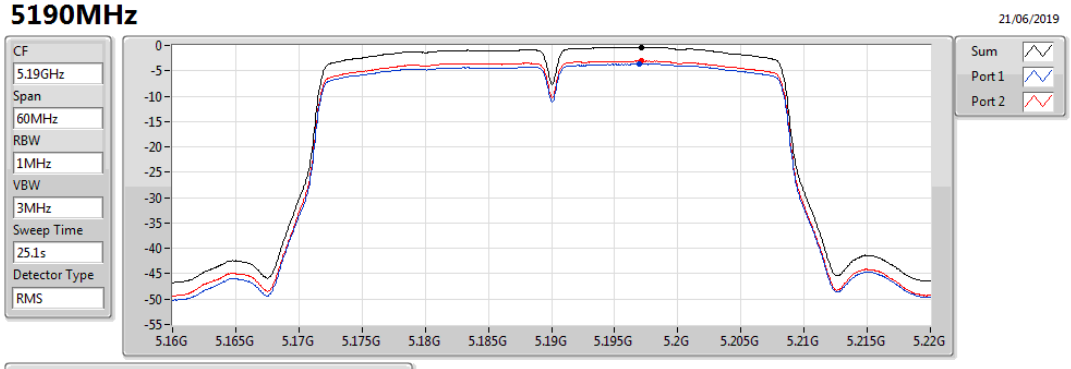
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.67	10.67	7.96	7.37

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

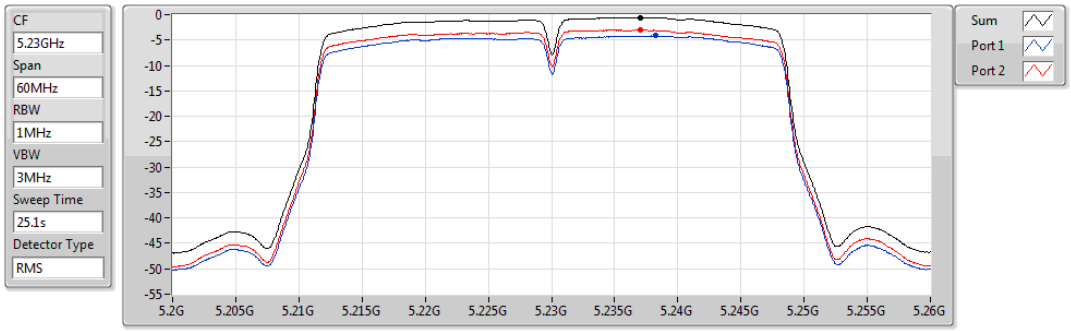
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.36	-0.36	-3.67	-3.07

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

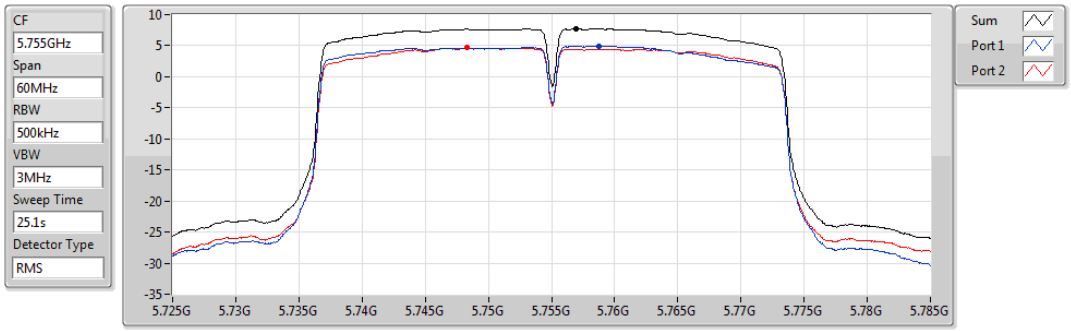
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.57	-0.57	-4.15	-3.03

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

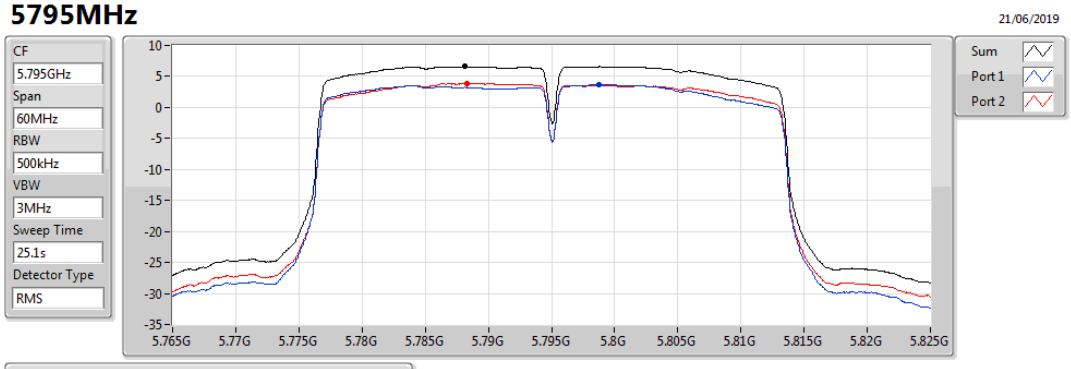
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.71	7.71	4.96	4.68

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

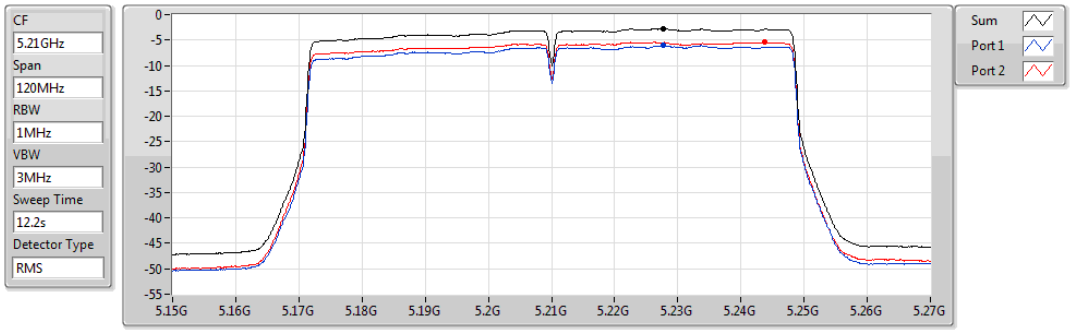
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.59	6.59	3.67	3.89

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

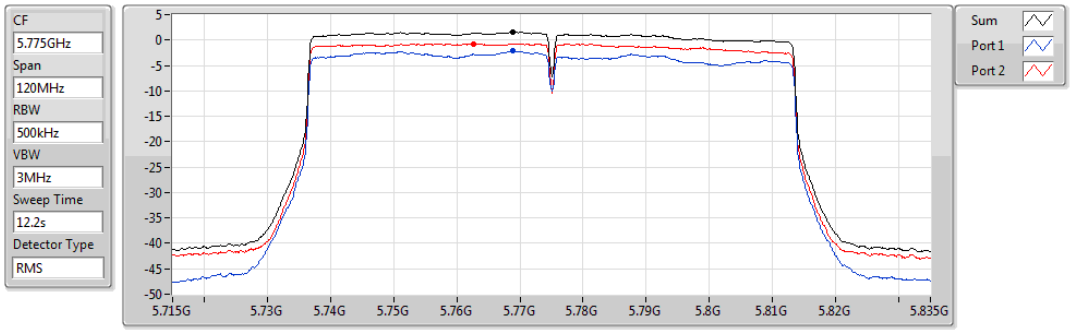
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.75	-2.75	-6.05	-5.41

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.61	1.61	-2.17	-0.70

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-0.75	6.57
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-3.61	3.71
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-6.91	0.41
5.725-5.85GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	7.94	16.12
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	5.75	13.93
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-2.14	6.04

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

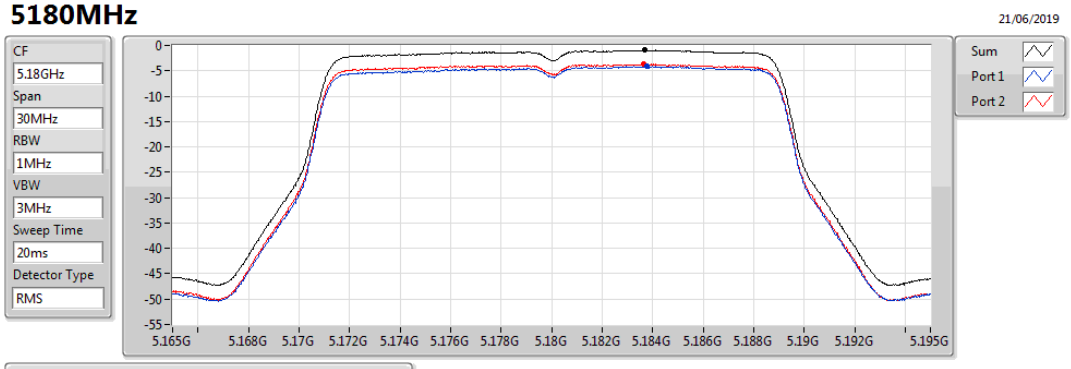
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.32	-4.14	-3.71	-0.93	15.68	6.39	23.00
5200MHz	Pass	7.32	-4.37	-3.49	-1.00	15.68	6.32	23.00
5240MHz	Pass	7.32	-4.52	-3.04	-0.75	15.68	6.57	23.00
5745MHz	Pass	8.18	3.96	5.63	7.80	27.82	15.98	36.00
5785MHz	Pass	8.18	4.16	5.82	7.94	27.82	16.12	36.00
5825MHz	Pass	8.18	3.75	5.37	7.56	27.82	15.74	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.32	-6.95	-6.41	-3.68	15.68	3.64	23.00
5230MHz	Pass	7.32	-7.13	-6.13	-3.61	15.68	3.71	23.00
5755MHz	Pass	8.18	1.83	3.74	5.75	27.82	13.93	36.00
5795MHz	Pass	8.18	1.43	3.98	5.68	27.82	13.86	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.32	-10.31	-9.51	-6.91	15.68	0.41	23.00
5775MHz	Pass	8.18	-6.68	-3.83	-2.14	27.82	6.04	36.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

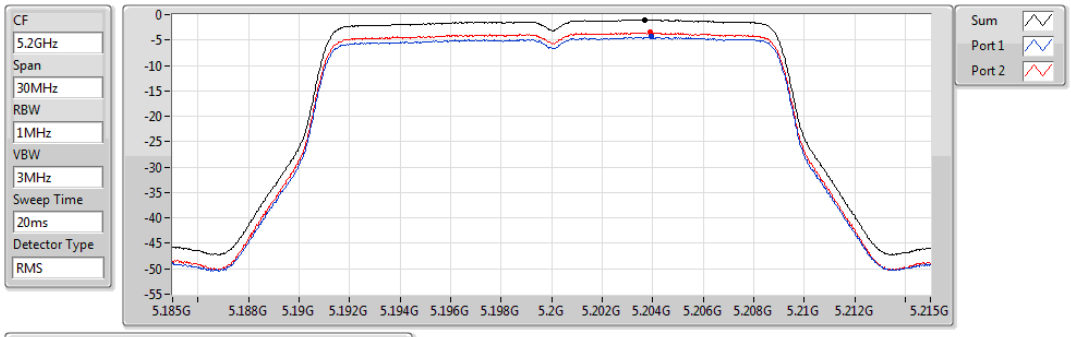
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.93	-0.93	-4.14	-3.71

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

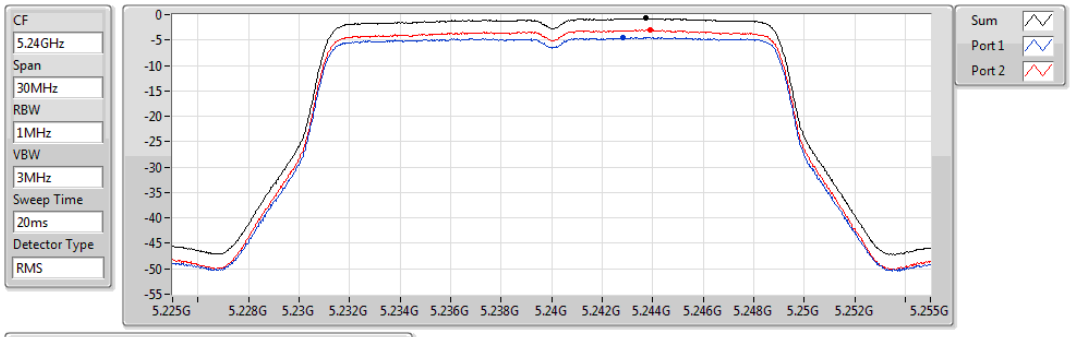
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.00	-1.00	-4.37	-3.49

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

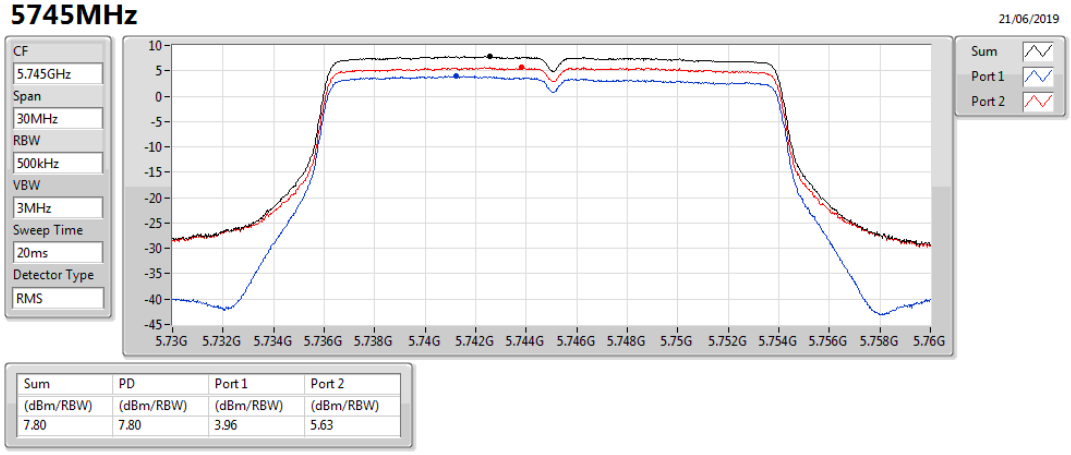
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.75	-0.75	-4.52	-3.04

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

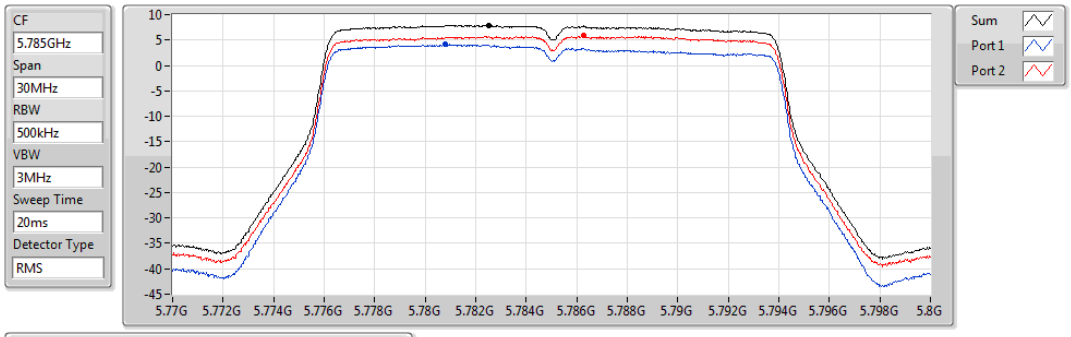
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.80	7.80	3.96	5.63

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

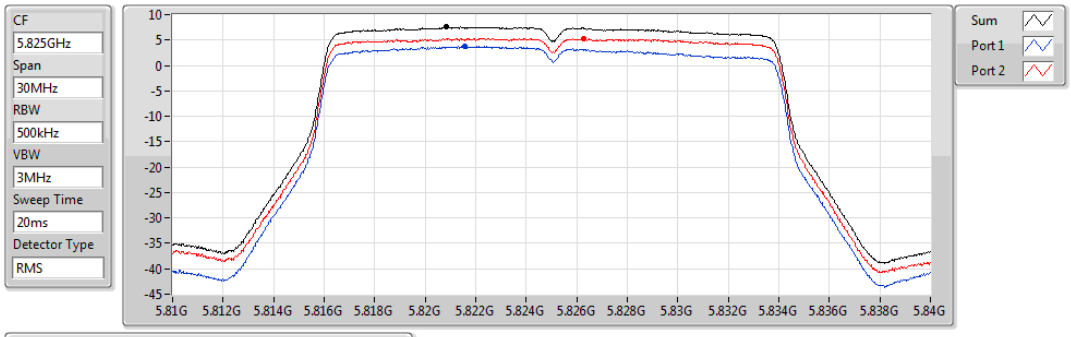
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.94	7.94	4.16	5.82

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

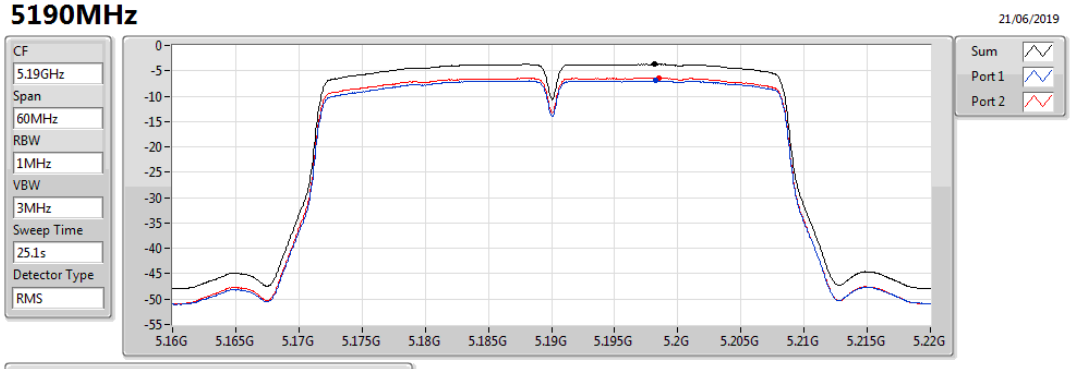
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.56	7.56	3.75	5.37

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

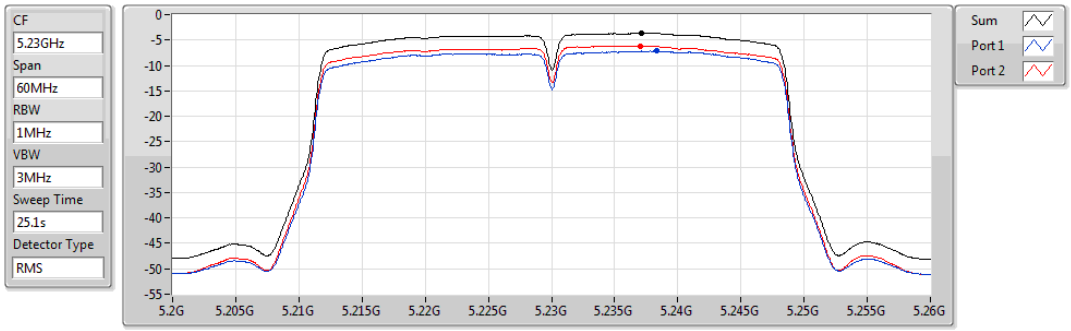
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.68	-3.68	-6.95	-6.41

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

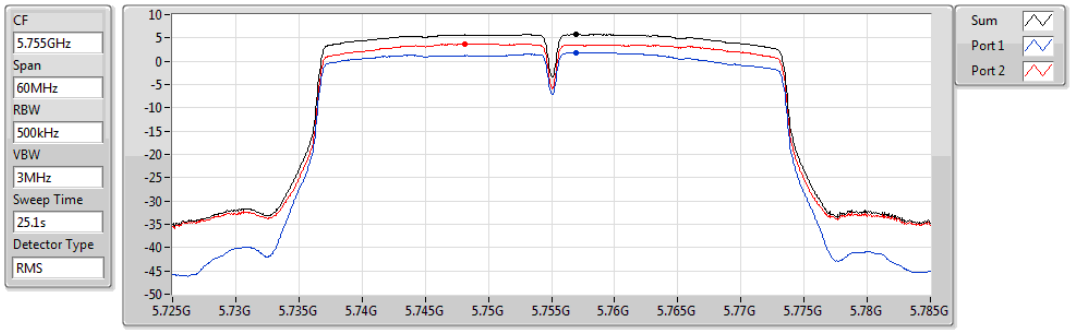
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.61	-3.61	-7.13	-6.13

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

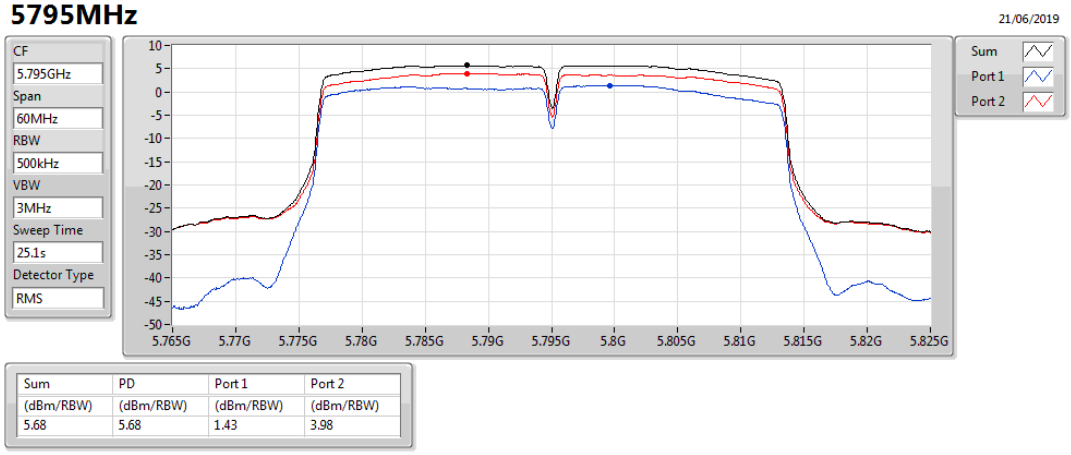
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.75	5.75	1.83	3.74

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

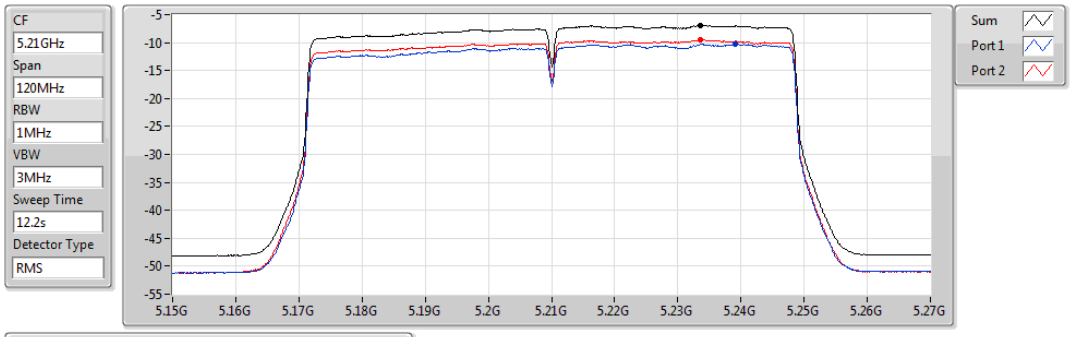
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.68	5.68	1.43	3.98

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

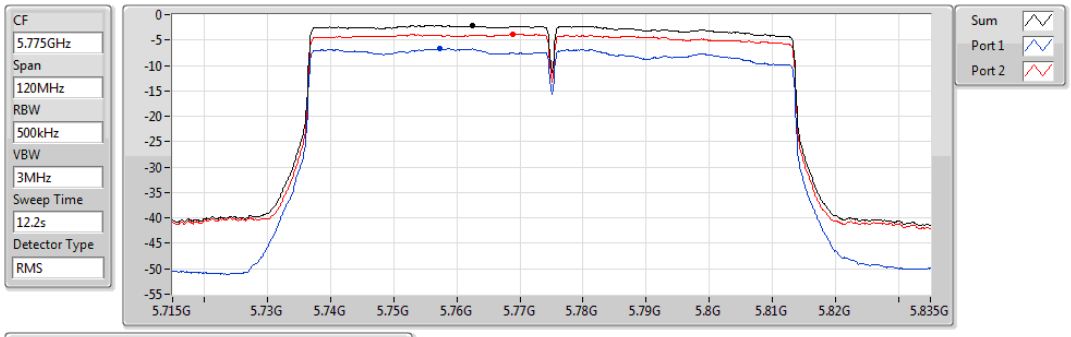
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.91	-6.91	-10.31	-9.51

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.14	-2.14	-6.68	-3.83

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	-7.78	9.65
802.11ac VHT20_Nss1,(MCS0)_2TX	-8.55	8.88
802.11ac VHT40_Nss1,(MCS0)_2TX	-11.85	5.58
802.11ac VHT80_Nss1,(MCS0)_2TX	-13.76	3.67
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	5.67	24.18
802.11ac VHT20_Nss1,(MCS0)_2TX	3.94	22.45
802.11ac VHT40_Nss1,(MCS0)_2TX	2.18	20.69
802.11ac VHT80_Nss1,(MCS0)_2TX	-3.33	15.18

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

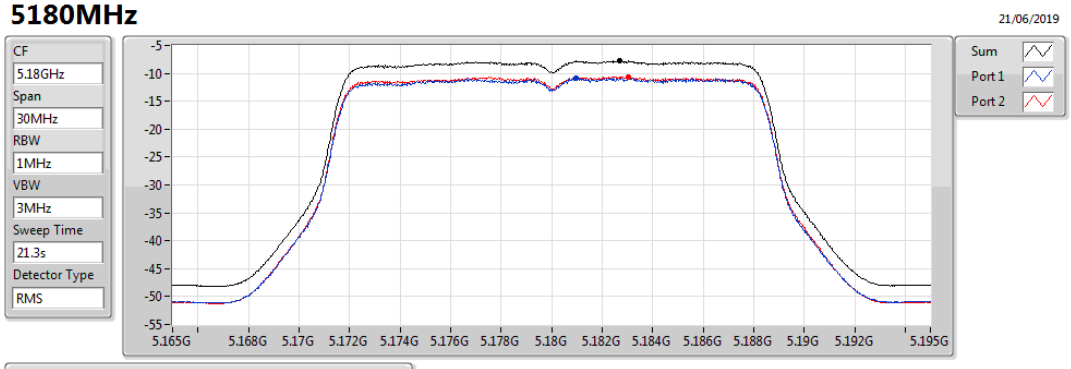
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	17.43	-10.88	-10.62	-7.78	5.57	9.65	23.00
5200MHz	Pass	17.43	-11.00	-10.57	-7.79	5.57	9.64	23.00
5240MHz	Pass	17.43	-11.51	-10.54	-8.04	5.57	9.39	23.00
5745MHz	Pass	18.51	0.93	2.91	4.99	17.49	23.50	36.00
5785MHz	Pass	18.51	1.32	3.27	5.31	17.49	23.82	36.00
5825MHz	Pass	18.51	1.59	3.69	5.67	17.49	24.18	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	17.43	-11.64	-11.38	-8.55	5.57	8.88	23.00
5200MHz	Pass	17.43	-12.03	-11.38	-8.73	5.57	8.70	23.00
5240MHz	Pass	17.43	-12.63	-11.47	-9.05	5.57	8.38	23.00
5745MHz	Pass	18.51	-0.02	1.84	3.94	17.49	22.45	36.00
5785MHz	Pass	18.51	0.07	1.77	3.89	17.49	22.40	36.00
5825MHz	Pass	18.51	-0.43	1.79	3.64	17.49	22.15	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	17.43	-14.84	-14.62	-11.85	5.57	5.58	23.00
5230MHz	Pass	17.43	-15.22	-14.61	-11.94	5.57	5.49	23.00
5755MHz	Pass	18.51	-2.89	-0.83	1.15	17.49	19.66	36.00
5795MHz	Pass	18.51	-2.82	0.82	2.18	17.49	20.69	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	17.43	-17.03	-16.37	-13.76	5.57	3.67	23.00
5775MHz	Pass	18.51	-6.96	-5.56	-3.33	17.49	15.18	36.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

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

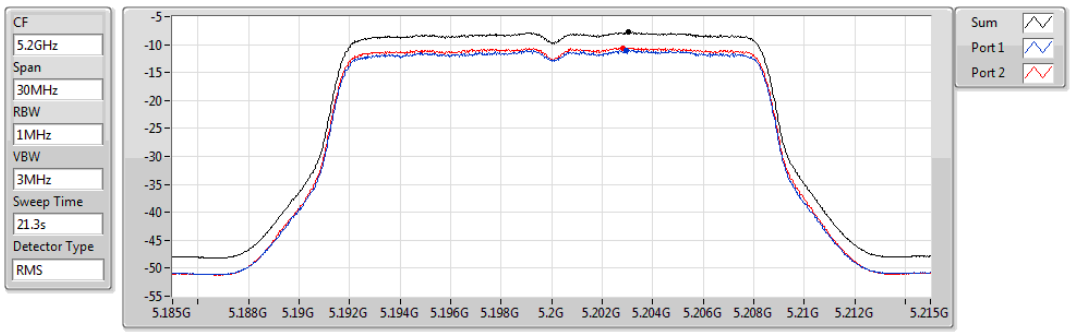
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.78	-7.78	-10.88	-10.62

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

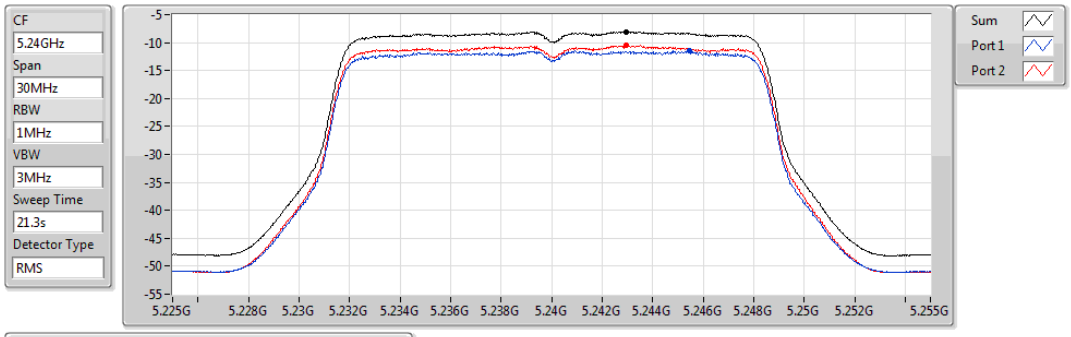
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.79	-7.79	-11.00	-10.57

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

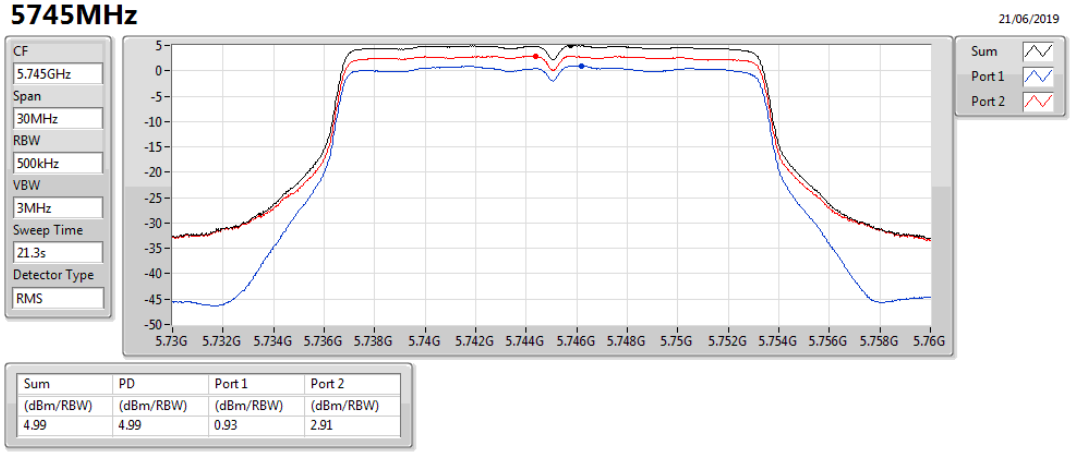
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.04	-8.04	-11.51	-10.54

802.11a_Nss1,(6Mbps)_2TX PSD

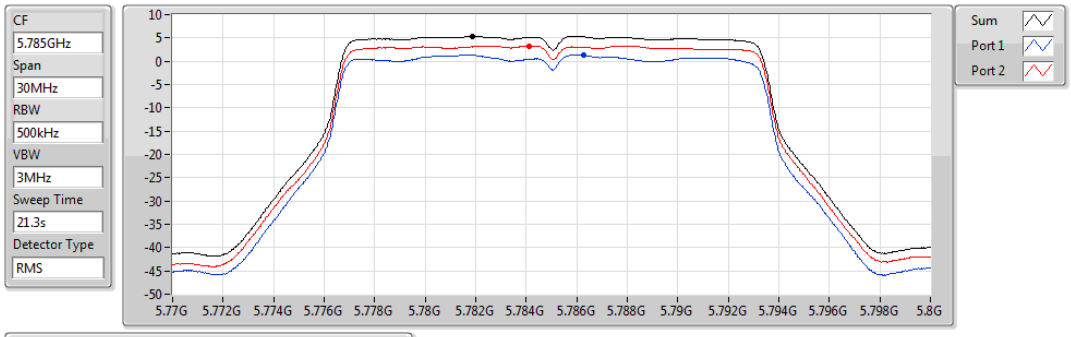
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.99	4.99	0.93	2.91

802.11a_Nss1,(6Mbps)_2TX PSD

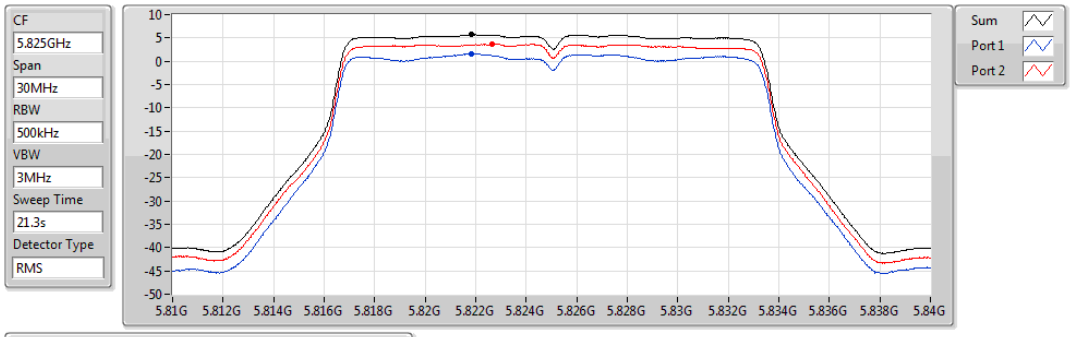
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.31	5.31	1.32	3.27

802.11a_Nss1,(6Mbps)_2TX PSD

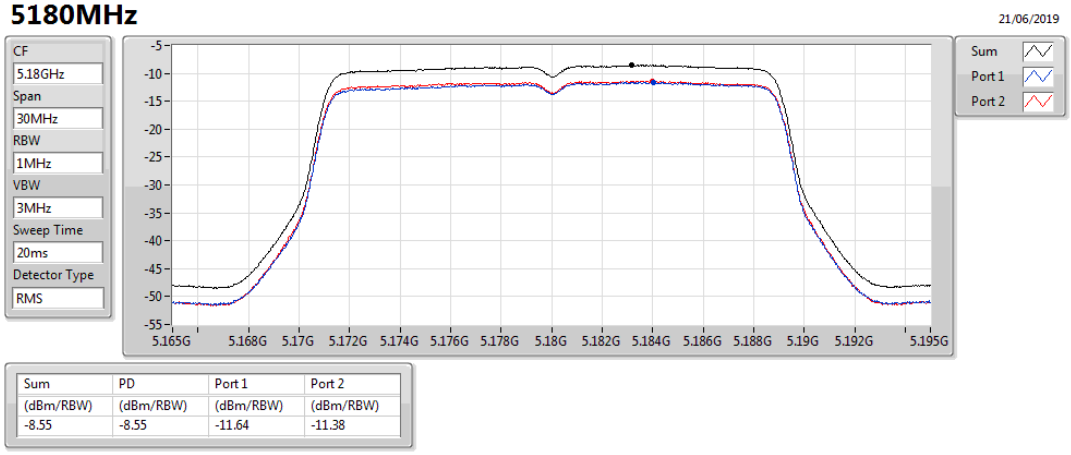
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.67	5.67	1.59	3.69

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

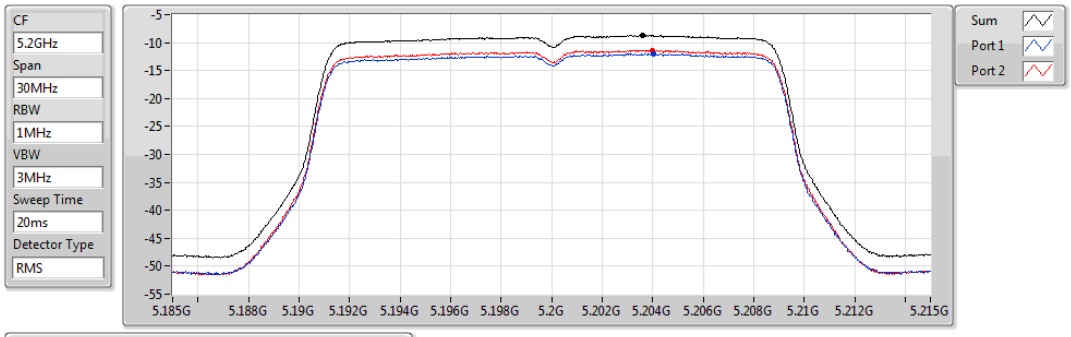
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.55	-8.55	-11.64	-11.38

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

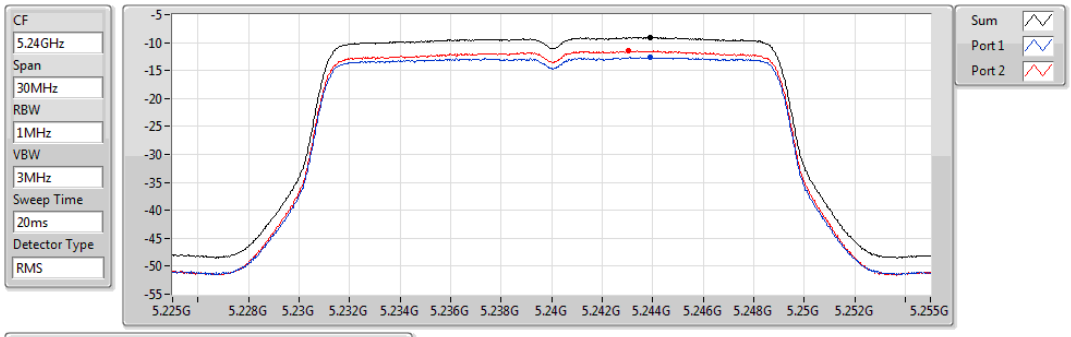
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.73	-8.73	-12.03	-11.38

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

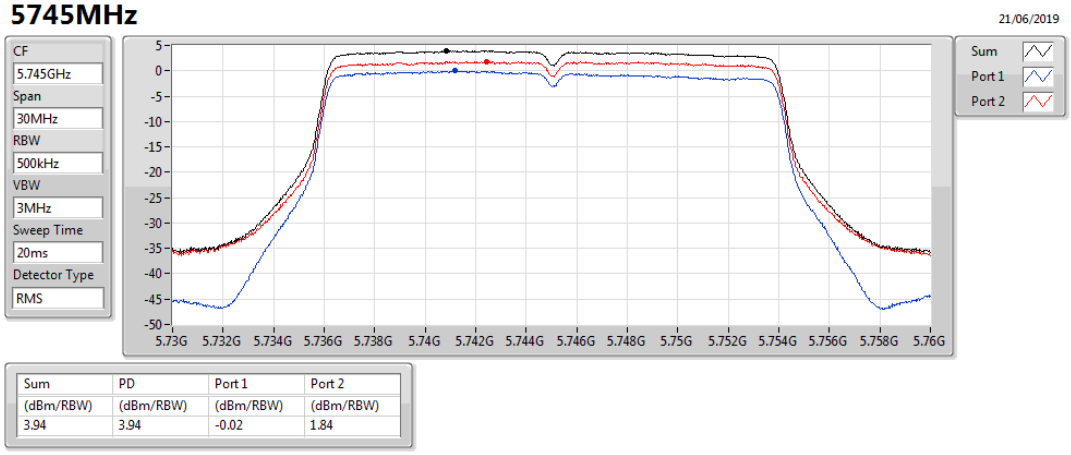
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.05	-9.05	-12.63	-11.47

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

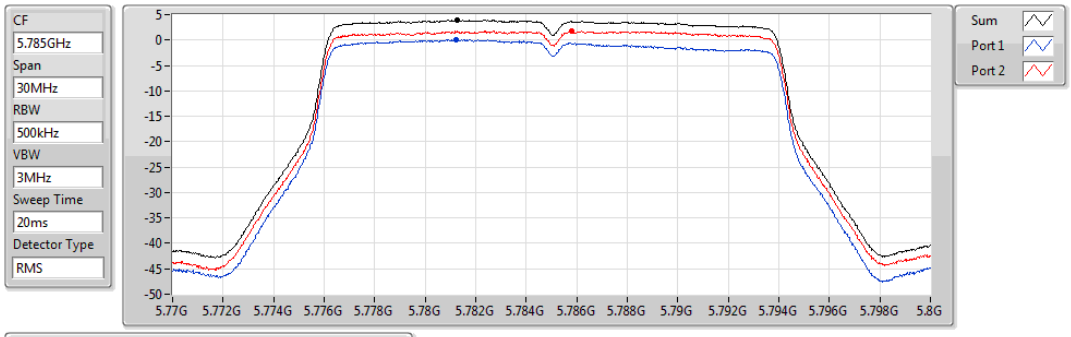
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.94	3.94	-0.02	1.84

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

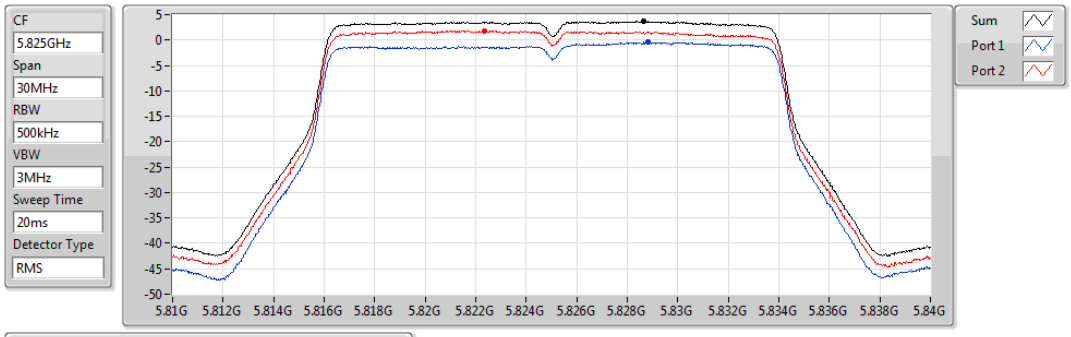
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.89	3.89	0.07	1.77

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

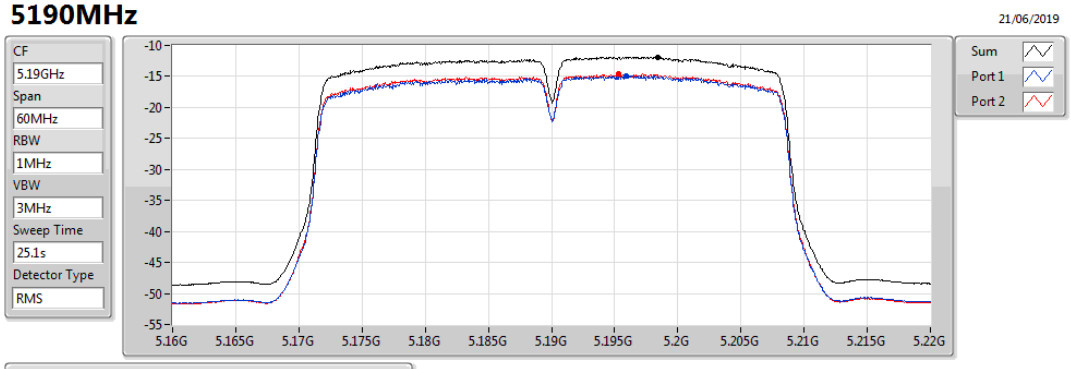
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.64	3.64	-0.43	1.79

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

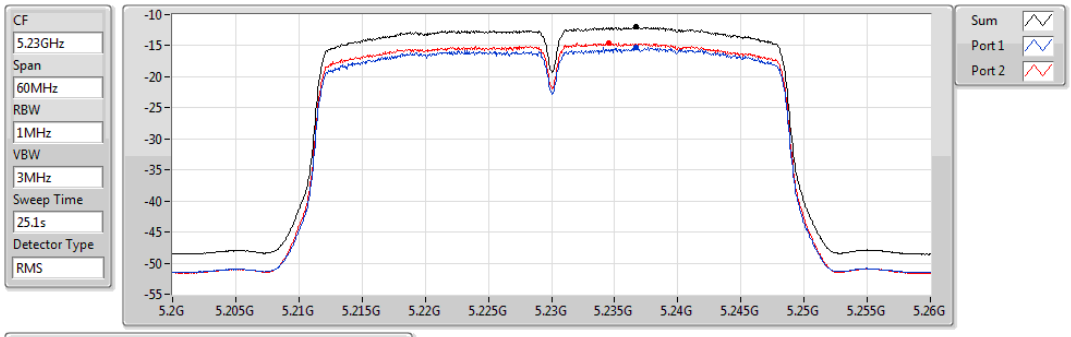
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.85	-11.85	-14.84	-14.62

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

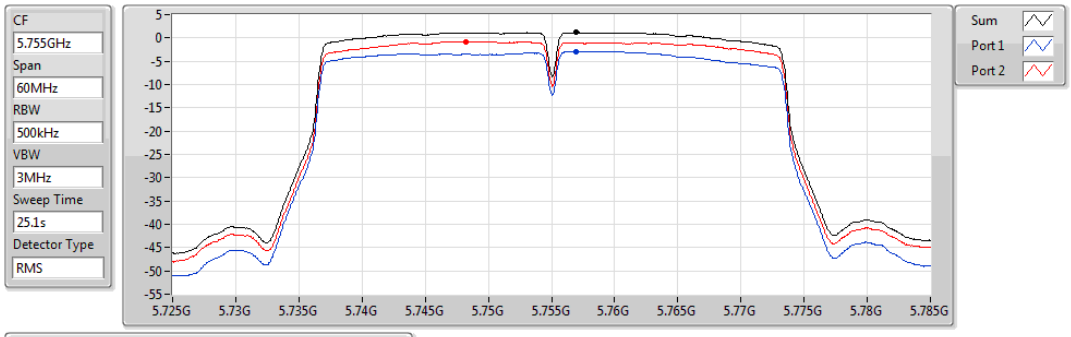
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.94	-11.94	-15.22	-14.61

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

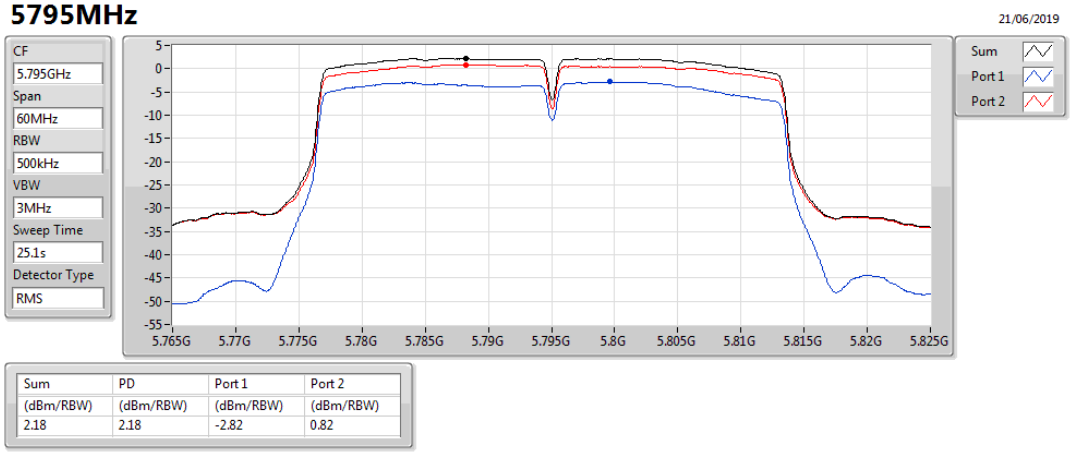
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.15	1.15	-2.89	-0.83

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

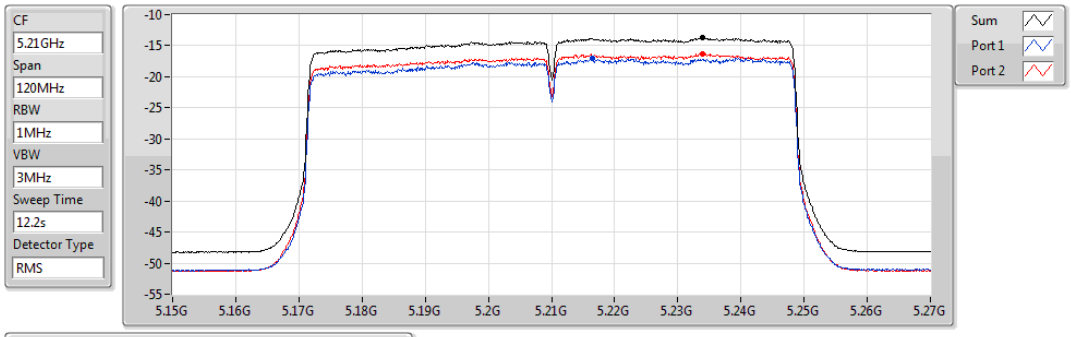
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.18	2.18	-2.82	0.82

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

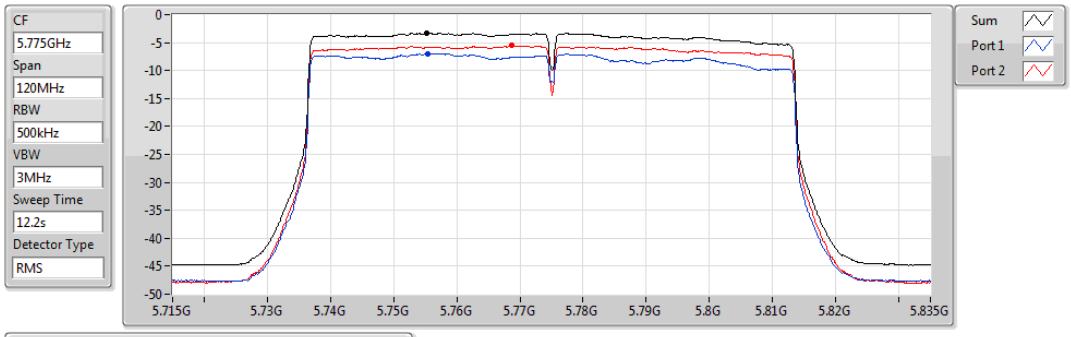
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.76	-13.76	-17.03	-16.37

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.33	-3.33	-6.96	-5.56

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-11.82	5.61
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-14.56	2.87
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-18.13	-0.70
5.725-5.85GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	1.09	19.60
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-1.74	16.77
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-5.15	13.36

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

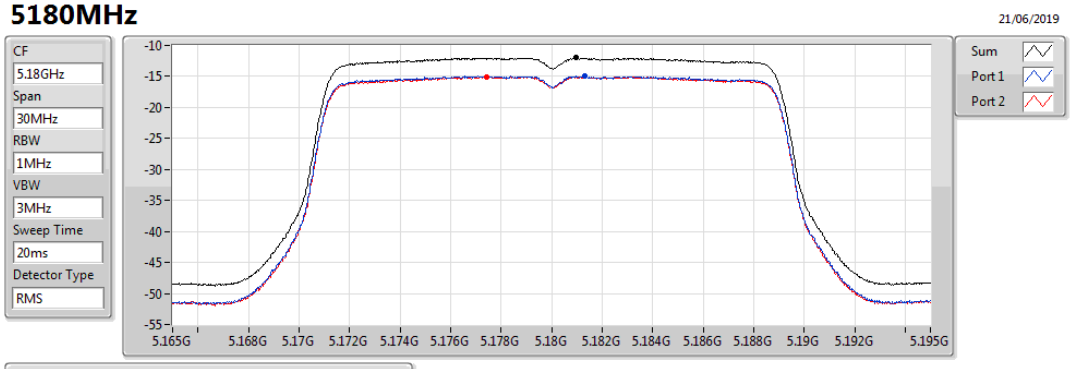
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	17.43	-14.89	-15.06	-12.01	5.57	5.42	23.00
5200MHz	Pass	17.43	-15.12	-14.98	-12.10	5.57	5.33	23.00
5240MHz	Pass	17.43	-14.96	-14.49	-11.82	5.57	5.61	23.00
5745MHz	Pass	18.51	-3.18	-1.28	0.81	17.49	19.32	36.00
5785MHz	Pass	18.51	-2.87	-0.83	1.09	17.49	19.60	36.00
5825MHz	Pass	18.51	-3.51	-1.30	0.53	17.49	19.04	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	17.43	-17.55	-17.56	-14.85	5.57	2.58	23.00
5230MHz	Pass	17.43	-17.47	-17.16	-14.56	5.57	2.87	23.00
5755MHz	Pass	18.51	-5.65	-3.96	-1.74	17.49	16.77	36.00
5795MHz	Pass	18.51	-5.94	-3.96	-2.08	17.49	16.43	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	17.43	-21.09	-20.93	-18.13	5.57	-0.70	23.00
5775MHz	Pass	18.51	-8.94	-7.46	-5.15	17.49	13.36	36.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

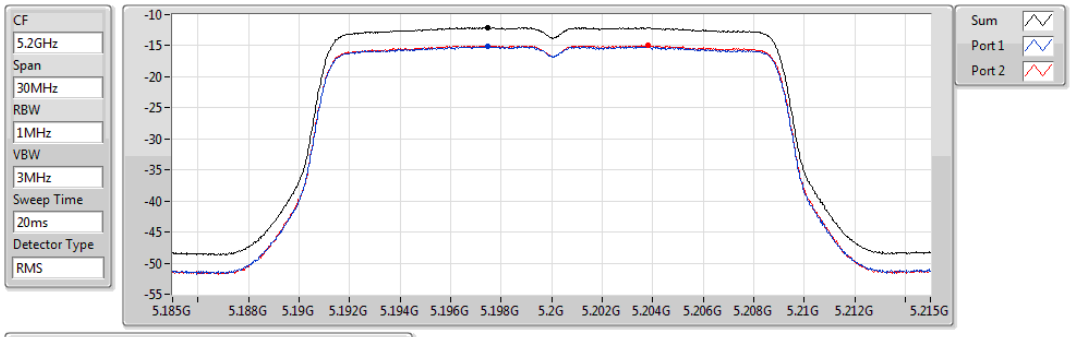
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.01	-12.01	-14.89	-15.06

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

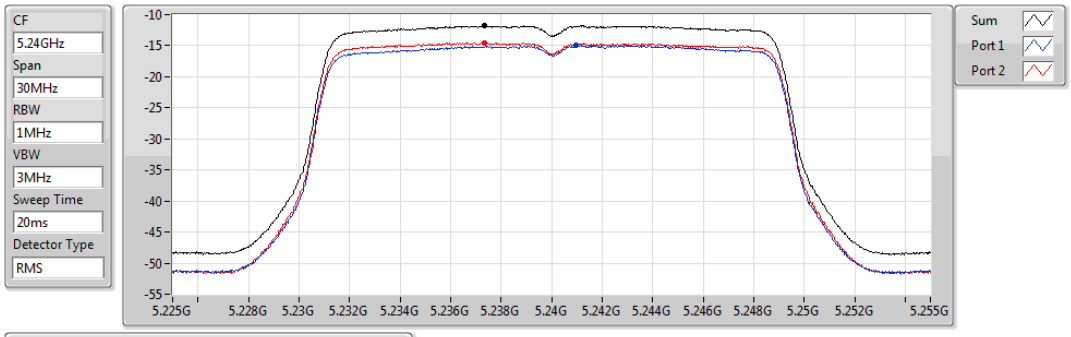
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.10	-12.10	-15.12	-14.98

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

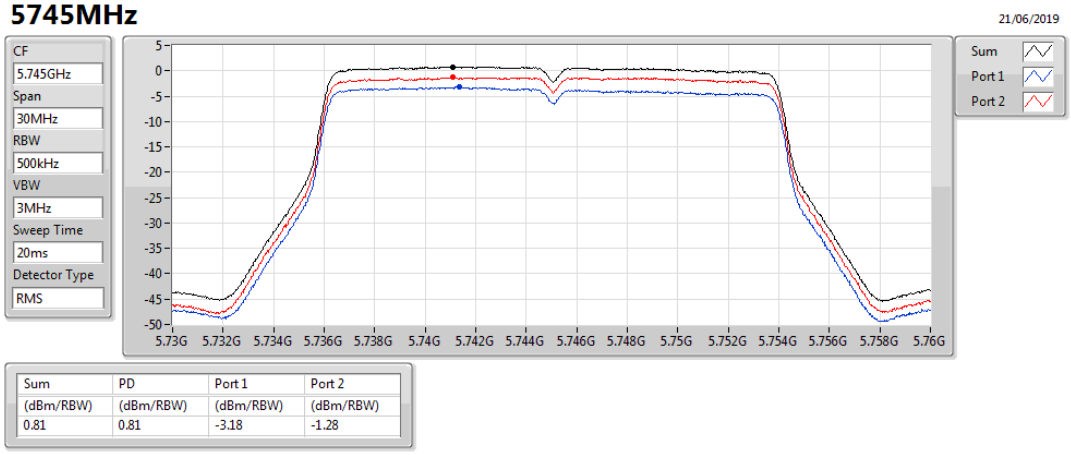
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.82	-11.82	-14.96	-14.49

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

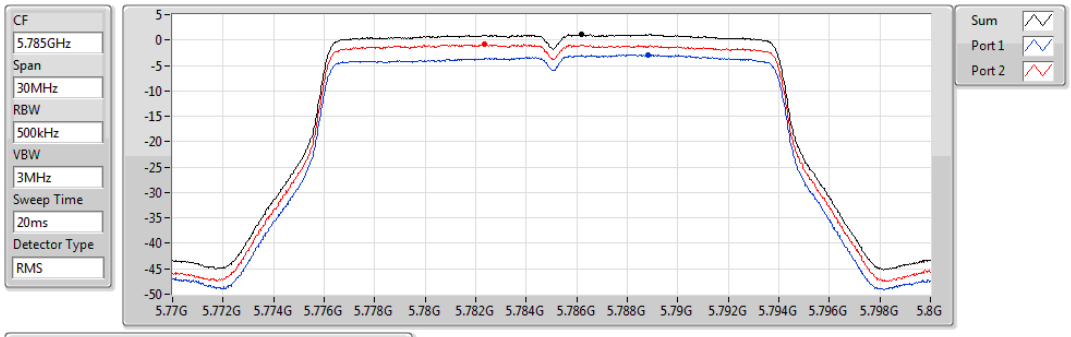
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.81	0.81	-3.18	-1.28

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

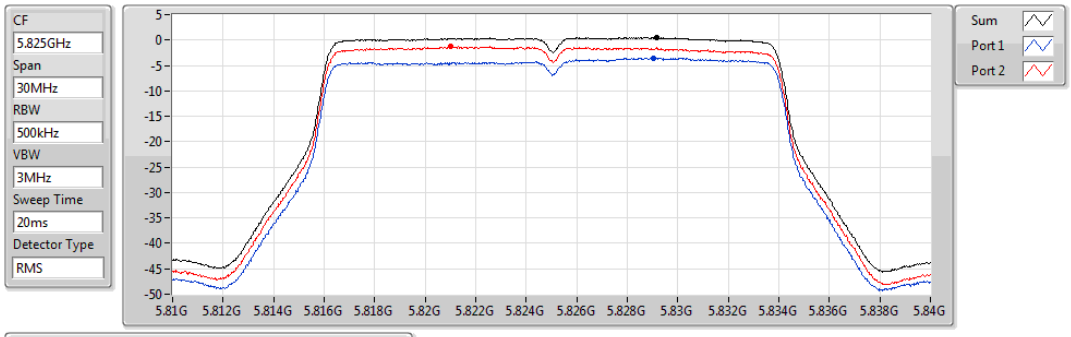
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.09	1.09	-2.87	-0.83

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

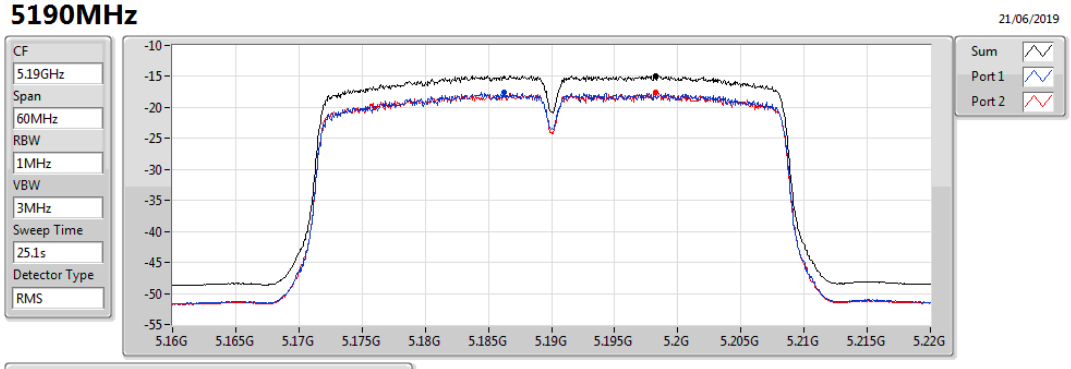
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.53	0.53	-3.51	-1.30

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

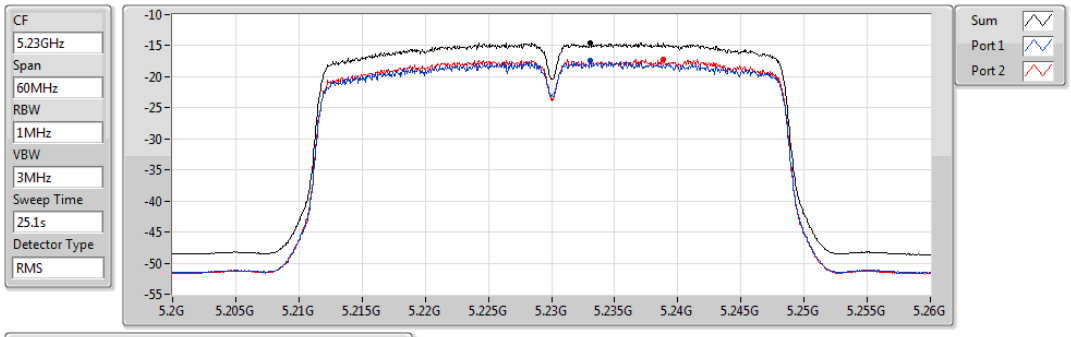
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.85	-14.85	-17.55	-17.56

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

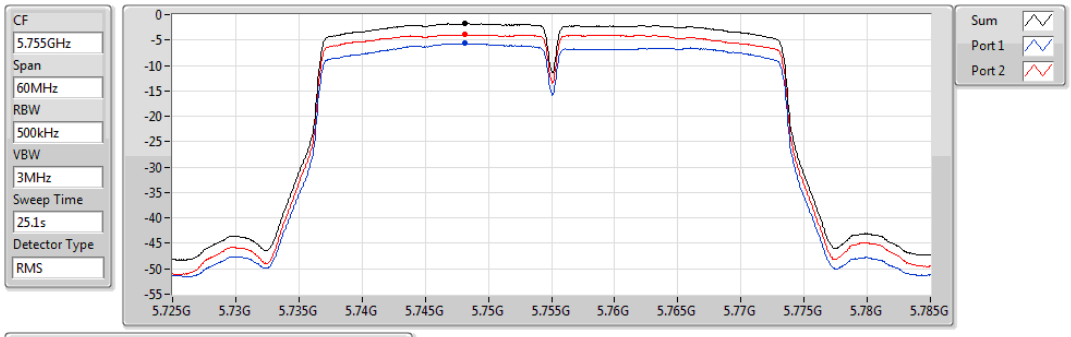
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.56	-14.56	-17.47	-17.16

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

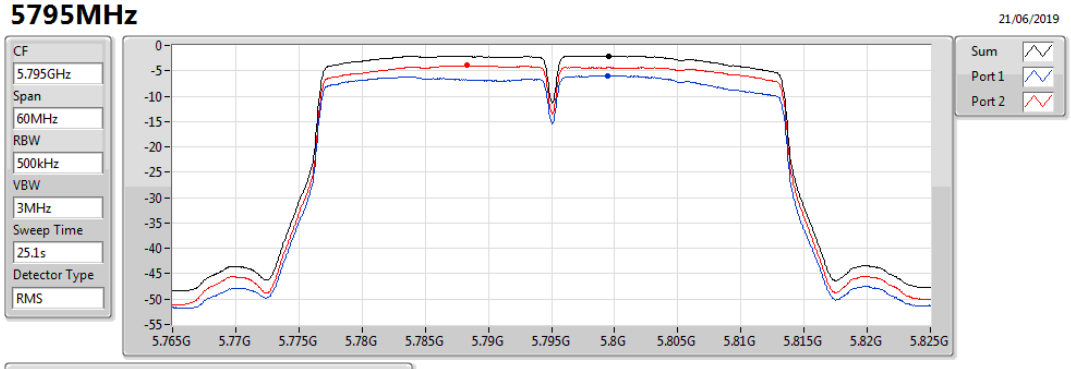
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.74	-1.74	-5.65	-3.96

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

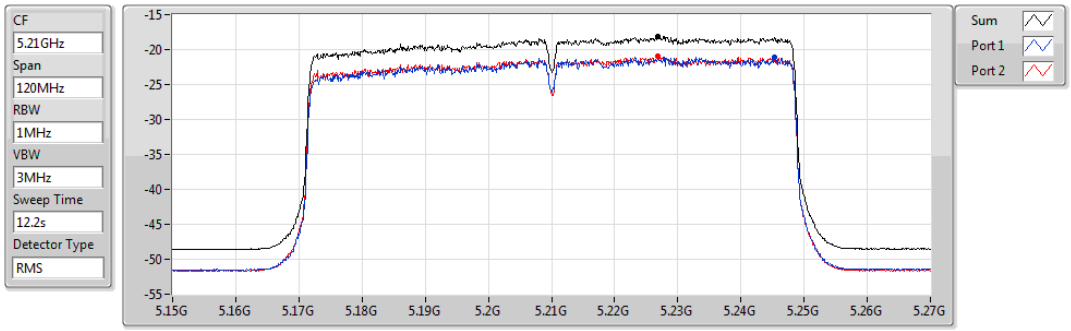
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.08	-2.08	-5.94	-3.96

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

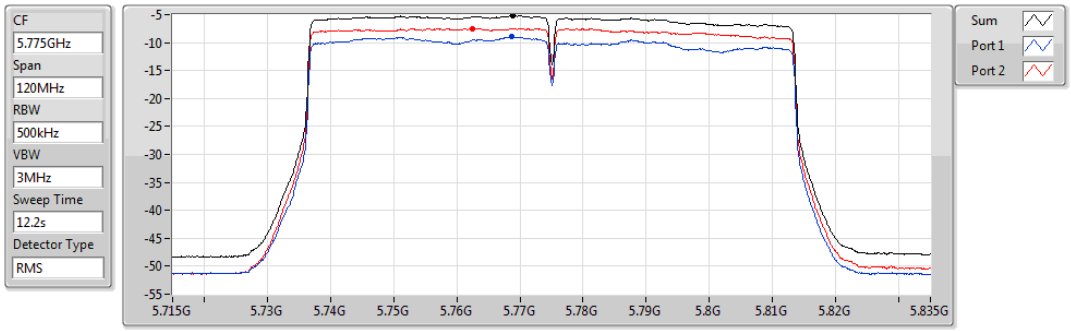
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-18.13	-18.13	-21.09	-20.93

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.15	-5.15	-8.94	-7.46

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	QP	78.5M	35.98	40.00	-4.02	-14.92	3	Vertical	87	1.02	-

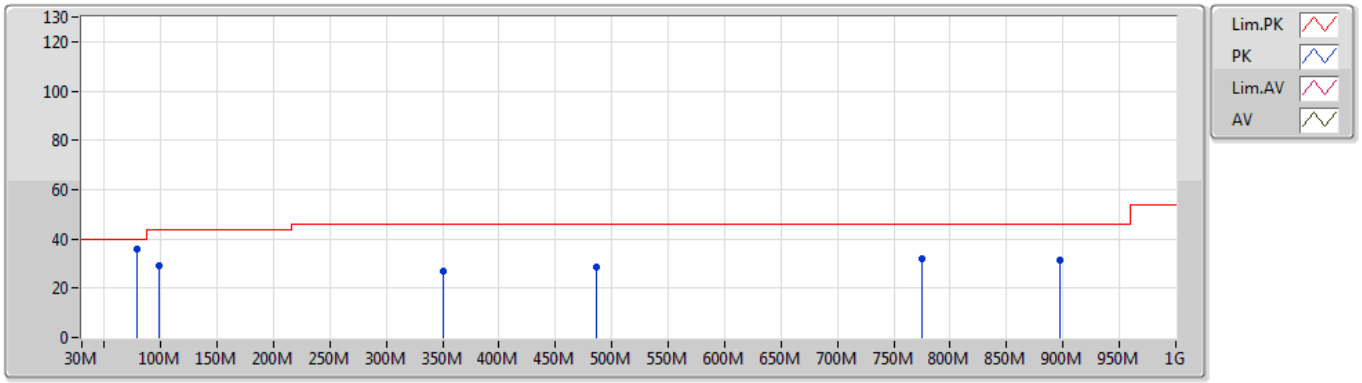
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	97.9M	29.15	43.50	-14.35	-10.66	3	Vertical	360	1.00	-
5775MHz	Pass	PK	350.1M	26.98	46.00	-19.02	-4.98	3	Vertical	360	1.00	-
5775MHz	Pass	PK	485.9M	28.78	46.00	-17.22	-2.35	3	Vertical	360	1.00	-
5775MHz	Pass	PK	774.96M	31.80	46.00	-14.20	1.15	3	Vertical	360	1.00	-
5775MHz	Pass	PK	897.18M	31.59	46.00	-14.41	2.33	3	Vertical	360	1.00	-
5775MHz	Pass	QP	78.5M	35.98	40.00	-4.02	-14.92	3	Vertical	87	1.02	-
5775MHz	Pass	PK	80.44M	33.48	40.00	-6.52	-14.64	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	142.52M	29.15	43.50	-14.35	-9.80	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	243.4M	24.94	46.00	-21.06	-7.76	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	418M	29.00	46.00	-17.00	-2.92	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	656.62M	29.24	46.00	-16.76	-0.30	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	774.96M	32.93	46.00	-13.07	1.15	3	Horizontal	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_PoE

23/06/2019

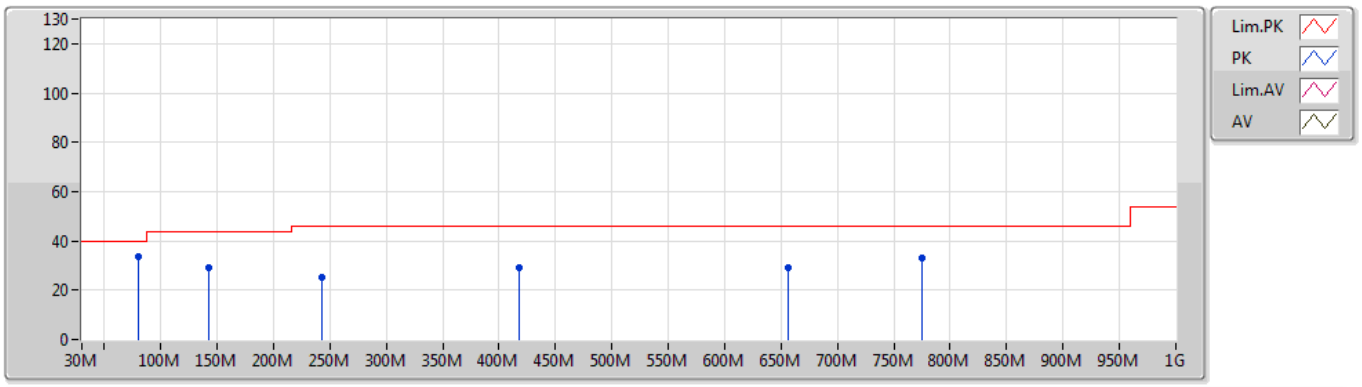


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	97.9M	29.15	43.50	-14.35	-10.66	3	Vertical	360	1.00	-	39.81	15.67	1.45	27.78
PK	350.1M	26.98	46.00	-19.02	-4.98	3	Vertical	360	1.00	-	31.96	19.40	3.10	27.48
PK	485.9M	28.78	46.00	-17.22	-2.35	3	Vertical	360	1.00	-	31.13	22.66	3.29	28.30
PK	774.96M	31.80	46.00	-14.20	1.15	3	Vertical	360	1.00	-	30.65	25.07	4.14	28.06
PK	897.18M	31.59	46.00	-14.41	2.33	3	Vertical	360	1.00	-	29.26	25.59	4.33	27.59
QP	78.5M	35.98	40.00	-4.02	-14.92	3	Vertical	87	1.02	-	50.90	11.66	1.21	27.79

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_PoE

23/06/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	80.44M	33.48	40.00	-6.52	-14.64	3	Horizontal	0	1.00	-	48.12	11.90	1.25	27.79
PK	142.52M	29.15	43.50	-14.35	-9.80	3	Horizontal	0	1.00	-	38.95	16.02	1.79	27.61
PK	243.4M	24.94	46.00	-21.06	-7.76	3	Horizontal	0	1.00	-	32.70	16.81	2.70	27.27
PK	418M	29.00	46.00	-17.00	-2.92	3	Horizontal	0	1.00	-	31.92	21.80	3.21	27.93
PK	656.62M	29.24	46.00	-16.76	-0.30	3	Horizontal	0	1.00	-	29.54	24.23	3.83	28.36
PK	774.96M	32.93	46.00	-13.07	1.15	3	Horizontal	0	1.00	-	31.78	25.07	4.14	28.06

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.1372G	50.40	54.00	-3.60	7.98	3	Horizontal	0	1.55	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.1348G	50.38	54.00	-3.62	7.98	3	Horizontal	0	1.54	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.1496G	53.49	54.00	-0.51	7.96	3	Horizontal	0	1.61	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.15G	53.76	54.00	-0.24	7.96	3	Horizontal	5	1.75	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.627G	63.20	68.20	-5.00	8.29	3	Horizontal	0	1.70	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	17.36562G	63.23	68.20	-4.97	22.32	3	Vertical	154	1.29	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	5.6486G	63.50	68.20	-4.70	8.33	3	Horizontal	0	1.67	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.6502G	67.96	68.35	-0.39	8.32	3	Horizontal	0	1.66	-