Testing Laboratory
1190

FCC RADIO TEST REPORT

FCC ID	:	QXO-AP510I
Equipment	:	802.11ax Access Point
Brand Name	:	Extreme Networks
Model Name	:	AP560i
Applicant	:	Extreme Networks, Inc. 6480 Via Del Oro, San Jose, CA 95119
Manufacturer	:	Extreme Networks, Inc. 6480 Via Del Oro, San Jose, CA 95119
Standard	:	47 CFR FCC Part 15.407

The product was received on Feb. 15, 2019, and testing was started from Feb. 19, 2019 and completed on Mar. 13, 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 variant 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: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

Table of Contents

History of this test report **3**

Summary of Test Result **4**

1 General Description **5**

1.1 Information 5
1.2 Testing Applied Standards 11
1.3 Testing Location Information 11
1.4 Measurement Uncertainty 11

2 Test Configuration of EUT **12**

2.1 Test Channel Mode 12
2.2 The Worst Case Measurement Configuration 24
2.3 EUT Operation during Test 27
2.4 Accessories 27
2.5 Support Equipment 27
2.6 Test Setup Diagram 29

3 Transmitter Test Result **33**

3.1 AC Power-line Conducted Emissions 33
3.2 Emission Bandwidth 35
3.3 Maximum Conducted Output Power 36
3.4 Peak Power Spectral Density 38
3.5 Unwanted Emissions 41

4 Test Equipment and Calibration Data **45**

Appendix A. Test Results of AC Power-line Conducted Emissions

Appendix B. Test Results of Emission Bandwidth

Appendix C. Test Results of Maximum Conducted Output Power

Appendix D. Test Results of Peak Power Spectral Density

Appendix E. Test Results of Unwanted Emissions

Appendix F. Test Results of Radiated Emission Co-location

Appendix G. Test Photos

Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR8O1739-07AD	01	Initial issue of report	Apr. 10, 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:
1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer. 2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Cliff Chang

Report Producer: Wendy Pan

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), ax (HEW20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX, 2TX, 4TX
5.15-5.25GHz	802.11n HT20	20	1TX, 2TX, 4TX
5.15-5.25GHz	802.11n HT20-BF	20	2TX, 4TX
5.15-5.25GHz	802.11ac VHT20	20	1TX, 2TX, 4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	2TX, 4TX
5.15-5.25GHz	802.11ax HEW20	20	1TX, 2TX, 4TX
5.15-5.25GHz	802.11ax HEW20-BF	20	2TX, 4TX
5.15-5.25GHz	802.11n HT40	40	1TX, 2TX, 4TX
5.15-5.25GHz	802.11n HT40-BF	40	2TX, 4TX
5.15-5.25GHz	802.11ac VHT40	40	1TX, 2TX, 4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX, 4TX
5.15-5.25GHz	802.11ax HEW40	40	1TX, 2TX, 4TX
5.15-5.25GHz	802.11ax HEW40-BF	40	2TX, 4TX
5.15-5.25GHz	802.11ac VHT80	80	1TX, 2TX, 4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX, 4TX
5.15-5.25GHz	802.11ax HEW80	80	1TX, 2TX, 4TX
5.15-5.25GHz	802.11ax HEW80-BF	80	2TX, 4TX

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11a	20	1TX, 2TX, 4TX
5.725-5.85GHz	802.11n HT20	20	1TX, 2TX, 4TX
5.725-5.85GHz	802.11n HT20-BF	20	2TX, 4TX
5.725-5.85GHz	802.11ac VHT20	20	1TX, 2TX, 4TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX, 4TX
5.725-5.85GHz	802.11ax HEW20	20	1TX, 2TX, 4TX
5.725-5.85GHz	802.11ax HEW20-BF	20	2TX, 4TX
5.725-5.85GHz	802.11n HT40	40	1TX, 2TX, 4TX
5.725-5.85GHz	802.11n HT40-BF	40	2TX, 4TX
5.725-5.85GHz	802.11ac VHT40	40	1TX, 2TX, 4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX, 4TX
5.725-5.85GHz	802.11ax HEW40	40	1TX, 2TX, 4TX
5.725-5.85GHz	802.11ax HEW40-BF	40	2TX, 4TX
5.725-5.85GHz	802.11ac VHT80	80	1TX, 2TX, 4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX, 4TX
5.725-5.85GHz	802.11ax HEW80	80	1TX, 2TX, 4TX
5.725-5.85GHz	802.11ax HEW80-BF	80	2TX, 4TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Radio	Antenna Gain(dBi)
	1TX	2TX	4TX						
1	1	1	1	WNC	Starlord 510i	PIFA	I-PEX	R1-5GHz	Note 1
2	-	2	2	WNC	Starlord 510i	PIFA	I-PEX	R1-5GHz	Note 1
3	-	-	3	WNC	Starlord 510i	PIFA	I-PEX	R1-5GHz	Note 1
4	-	-	4	WNC	Starlord 510i	PIFA	I-PEX	R1-5GHz	Note 1
5	R2-1	R2-1	R1-4 R2-1	WNC	Starlord 510i	PIFA	I-PEX	R1-2.4GHz R2-5GHz	Note 1
6	-	R2-2	R1-3 R2-2	WNC	Starlord 510i	PIFA	I-PEX	R1-2.4GHz R2-5GHz	Note 1
7	-	R1-2	R1-2 R2-3	WNC	Starlord 510i	PIFA	I-PEX	R1-2.4GHz R2-5GHz	Note 1
8	R1-1	R1-1	R1-1 R2-4	WNC	Starlord 510i	PIFA	I-PEX	R1-2.4GHz R2-5GHz	Note 1
9	1	-	-	WNC	Starlord 510i	PIFA	I-PEX	R3	Note 1

Note1:

Ant.	Antenna Gain(dBi)			
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth	Thread
1	-	5.89	-	-
2	-	5.36	-	-
3	-	5.67	-	-
4	-	5.36	-	-
5	3.48	4.57	-	-
6	3.80	4.40	-	-
7	3.84	4.98	-	-
8	3.90	5.18	-	-
9	-	-	4.40	4.40

Note2: The above information was declared by manufacturer.

Note3:

For 2.4GHz function:

For IEEE 802.11b/g/n/ax mode (1TX, 2TX, 4TX/4RX):

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX

Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4TX

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.

For 5GHz function:
For IEEE 802.11a/n/ac/ax mode (1TX, 2TX, 4TX/4RX):
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2TX
Port 1 and Port 2 can be use as transmitting antenna.
Port 1 and Port 2 could transmit simultaneously.
For 4TX
Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.
For 4RX
Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.
For Bluetooth and Thread mode (1TX/1RX):
Only Port 1 can be use as transmitting/receiving antenna.

1.1.3 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	For 802.11ax in 2.4GHz and 802.11n/ac/ax in 5GHz.			
Function	☒	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	accessMtool 3.0.0.6			

Note: The above information was declared by manufacturer.

1.1.4 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR8O1739-01AD

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Adding a model name: AP560i Based on above modification. 1. Adding the outdoor function. 2. Changing the EUT case. 3. Removing USB Port. 4. Power Supply: From PoE only.	1. AC power-line conducted emissions 2. Emission Bandwidth 3. Maximum Conducted Output Power 4. Peak Power Spectral Density 5. Unwanted Emissions Note: 1. For Emission Bandwidth, Maximum Conducted Output Power, Peak Power Spectral Density: Band 1 Indoor: The selection of test mode was based on the spurious emission test result which is worse than the original. Please refer to test result for detail test mode. Band 1 Outdoor: After evaluating, re-test all test modes. 2. For Unwanted Emissions above 1GHz: Band 1: After evaluating, re-test all test modes. Band 4: After evaluating, the test mode was based on test mode of original maximum output power to retest. Please refer to test result for detail test mode.

1.1.5 Table for Multiple Listing

The EUT has three radios, the information as following table:

Radio	Function		
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth/Thread
1	V	V	-
2	-	V	-
3	-	-	V

1.1.6 Table for EUT support function

Function	Support Type	Support Band
AP	Master	WLAN 2.4GHz/Bluetooth/Thread/WLAN 5GHz Band 1~4
Client	Slave without Radar Detection (Sensor Mode)	WLAN 2.4GHz/Bluetooth/Thread/WLAN 5GHz Band 1+4
Bridge	Master	WLAN 2.4GHz/Bluetooth/Thread/WLAN 5GHz Band 1+4
Mesh	Master	WLAN 2.4GHz/Bluetooth/Thread/WLAN 5GHz Band 1+4

Note: The above information was declared by manufacturer.

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 789033 D02 v02r01
- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01r01

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
☒	JHUBEI	ADD :	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Eddie Weng	22~25°C / 61~63%	Feb. 23, 2019 ~ Mar. 06, 2019
Radiated (Below 1GHz)	03CH01-CB	KJ Chang	22~25°C / 54~61%	Feb. 19, 2019 ~ Feb. 20, 2019
Radiated (Above 1GHz)	03CH01-CB	Stim Sung	22~25°C / 51~66%	Feb. 20, 2019 ~ Mar. 13, 2019
AC Conduction	CO02-CB	Peter Wu	23.6~23.8°C / 61~62.3%	Feb. 22, 2019

Test site Designation No. TW0006 with FCC.
Test site registered number IC 4086B with Industry Canada.

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For Radio 1 / 1T1S Mode:
For Conducted measurement and Band Edge Emission test:
For Indoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-
5180MHz	76	19
5200MHz	82	20.5
5240MHz	74	18.5
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
5200MHz	82	20.5
5240MHz	74	18.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
5190MHz	66	16.5
5230MHz	74	18.5
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-
5210MHz	63	15.75

For Outdoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-
5180MHz	61	15.25
5200MHz	61	15.25
5240MHz	61	15.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
5180MHz	62	15.5
5200MHz	61	15.25
5240MHz	61	15.25
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
5190MHz	61	15.25
5230MHz	59	14.75
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-
5210MHz	61	15.25

For Radio 1 / 2T2S Mode:
For Conducted measurement and Band Edge Emission test:
For Indoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-
5200MHz	82	20.5
5240MHz	74	18.5
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-
5190MHz	65	16.25
5230MHz	74	18.5
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-
5210MHz	61	15.25

For Outdoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-
5180MHz	50	12.5
5200MHz	49	12.25
5240MHz	49	12.25
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-
5190MHz	50	12.5
5230MHz	49	12.25
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-
5210MHz	50	12.5

For Radio 1 / 4T1S Mode:
For Radiated Emission:

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	81
5200MHz	82
5240MHz	74
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	81
5200MHz	82
5240MHz	74
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	83
5230MHz	74
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	85

For Conducted measurement and Band Edge Emission test:
For Indoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-
5200MHz	76	19
5240MHz	74	18.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-
5200MHz	77	19.25
5240MHz	74	18.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-
5190MHz	59	14.75
5230MHz	74	18.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-
5210MHz	58	14.5
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-
5180MHz	50	12.5
5200MHz	65	16.25
5240MHz	74	18.5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX		-
5190MHz	46	11.5
5230MHz	70	17.5
802.11ax HEW80-BF_Nss1,(MCS0)_4TX		-
5210MHz	53	13.25

For Outdoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-
5180MHz	39	9.75
5200MHz	38	9.5
5240MHz	38	9.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-
5180MHz	39	9.75
5200MHz	39	9.75
5240MHz	39	9.75
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-
5190MHz	39	9.75
5230MHz	39	9.75
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-
5210MHz	39	9.75
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-
5180MHz	17	4.25
5200MHz	17	4.25
5240MHz	17	4.25
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-
5190MHz	18	4.5
5230MHz	18	4.5
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-
5210MHz	17	4.25

For Radio 1 / 4T4S Mode:
For Conducted measurement and Band Edge Emission test:
For Indoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-
5200MHz	82	20.5
5240MHz	74	18.5
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-
5190MHz	58	14.5

For Outdoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-
5180MHz	39	9.75
5200MHz	39	9.75
5240MHz	40	10
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-
5190MHz	41	10.25
5230MHz	41	10.25
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-
5210MHz	41	10.25

For Radio 2 / 1T1S Mode:
For Conducted measurement and Band Edge Emission test:
For Indoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-
5180MHz	77	19.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
5180MHz	73	18.25
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
5190MHz	64	16
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-
5210MHz	65	16.25

For Outdoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-
5180MHz	67	16.75
5200MHz	67	16.75
5240MHz	67	16.75
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
5180MHz	68	17
5200MHz	68	17
5240MHz	67	16.75
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
5190MHz	68	16
5230MHz	68	17
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-
5210MHz	67	16.25

For Radio 2 / 2T2S Mode:
For Conducted measurement and Band Edge Emission test:
For Indoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-
5180MHz	67	16.75
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-
5190MHz	62	15.5
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-
5210MHz	57	14.25

For Outdoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-
5180MHz	57	14.25
5200MHz	56	14
5240MHz	54	13.5
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-
5190MHz	55	13.75
5230MHz	54	13.5
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-
5210MHz	55	13.75

For Radio 2 / 4T1S Mode:
For Radiated Emission:

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	81
5200MHz	84
5240MHz	77
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	82
5200MHz	83
5240MHz	78
5745MHz	100
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	86
5230MHz	80
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	92
802.11a_Nss1,(6Mbps)_4TX	-

For Conducted measurement and Band Edge Emission test:
For Indoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-
5200MHz	81	20.25
5240MHz	74	18.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-
5240MHz	74	18.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-
5230MHz	74	18.5
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-
5180MHz	47	11.75
5200MHz	62	15.5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-
5190MHz	43	10.75
5230MHz	61	15.25
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-
5210MHz	51	12.75

For Outdoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-
5180MHz	42	10.5
5200MHz	42	10.5
5240MHz	41	10.25
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-
5180MHz	43	10.75
5200MHz	43	10.75
5240MHz	42	10.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-
5190MHz	43	10.75
5230MHz	42	10.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-
5210MHz	43	10.75
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-
5180MHz	20	5
5200MHz	20	5
5240MHz	20	5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-
5190MHz	21	5.25
5230MHz	21	5.25
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-
5210MHz	21	5.25

For Radio 2 / 4T4S Mode:
For Conducted measurement and Band Edge Emission test:
For Indoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-
5180MHz	66	16.5
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-
5230MHz	72	18

For Outdoor:

Mode	PowerSetting	PowerSetting (dBm)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-
5180MHz	43	10.75
5200MHz	43	10.75
5240MHz	42	10.5
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-
5190MHz	44	11
5230MHz	44	11
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-
5210MHz	44	11

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests									
Tests Item	AC power-line conducted emissions								
Condition	AC power-line conducted measurement for line and neutral								
Operating Mode	Normal Link								
	Radio 1 with 2.4GHz function	Radio 1 with 5GHz function	Radio 2 with 5GHz function	Radio 3 with Bluetooth	Radio 3 with Thread	EUT GE1	EUT GE2	PoE connect with EUT GE1	PoE connect with EUT GE2
1	●	-	●	●	-	●	●	●	-
2	-	●	●	●	-	●	●	●	-
3	●	-	●	-	●	●	●	●	-
4	-	●	●	-	●	●	●	●	-
Mode 3 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.									
5	●	-	●	-	●	●	●	-	●
Mode 3 generated the worst test result, so it was recorded in this report.									

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
Test Mode	Refer to note 1

The Worst Case Mode for Following Conformance Tests											
Tests Item	Unwanted Emissions										
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.										
Operating Mode < 1GHz	Normal Link										
	EUT at Z-axis	EUT at Y-axis	Radio 1 with 2.4GHz function	Radio 1 with 5GHz function	Radio 2 with 5GHz function	Radio 3 with Bluetooth	Radio 3 with Thread	EUT GE1	EUT GE2	PoE connect with EUT GE1	PoE connect with EUT GE2
1	●	-	●	-	●	●	-	●	●	●	-
2	-	●	●	-	●	●	-	●	●	●	-
Mode 1 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3 ~ 5 will follow this same test mode.											
3	●	-	-	●	●	●	-	●	●	●	-
4	●	-	●	-	●	-	●	●	●	●	-
5	●	-	-	●	●	-	●	●	●	●	-
Mode 4 has been evaluated to be the worst case among Mode 1~5, thus measurement for Mode 6 will follow this same test mode.											
6	●	-	●	-	●	-	●	●	●	-	●
Mode 6 generated the worst test result, so it was recorded in this report.											
Operating Mode > 1GHz	CTX										
For Radiated Emission Radio 1 and Radio 2 / 4T1S Mode: The EUT was performed at Y axis and Z axis and the worst case was found at Z axis. So the measurement will follow this same test configuration. **For Band Edge Emission** Radio 1 and Radio 2 / 1T1S, 2T2S, 4T1S, 4T4S Mode: The EUT was performed at Y axis and Z axis and the worst case was found at Z axis. So the measurement will follow this same test configuration.											
Test Mode	Refer to note 1										

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz (Radio 1) + WLAN 5GHz (Radio 2) + Bluetooth (Radio 3)
2	WLAN 5GHz (Radio 1) + WLAN 5GHz (Radio 2) + Bluetooth (Radio 3)
3	WLAN 2.4GHz (Radio 1) + WLAN 5GHz (Radio 2) + Thread (Radio 3)
4	WLAN 5GHz (Radio 1) + WLAN 5GHz (Radio 2) + Thread (Radio 3)
Refer to Sporton Test Report No.: FA8O1739-07 for Co-location RF Exposure Evaluation.	

Note: 1. Test Mode:

Test Mode									
Test Item	**802.11a**		**802.11ax HEW20/40/80**						
	1T1S	**4T1S**	**CDD 1T1S**	**SDM 2T2S**	**CDD 4T1S**	**SDM 4T4S**	**TxBF 2T2S**	**TxBF 4T1S**	**TxBF 4T4S**
Maximum Conducted Output Power	V	V	V	V	V	V	-	V	-
Emission Bandwidth	V	V	V	V	V	V	-	V	-
Peak Power Spectral Density	V	V	V	V	V	V	-	V	-
Radiated Emission	Cover by CDD 4T1S Max setting	V	Cover by CDD 4T1S Max setting	Cover by CDD 4T1S Max setting	Max setting	Cover by CDD 4T1S Max setting	-	Cover by CDD 4T1S Max setting	-
Band Edge Emission	V	V	V	V	V	V	-	V	-

2. 802.11ax modulation and bandwidth are similar for 802.11n mode for 20MHz / 40MHz and 802.11ac mode for 20/40/80MHz, therefore investigated worst case to representative mode in test report.
3. The PoE is for measurement only, would not be marketed.
PoE information as below:

Power	Brand	Model
PoE	Microsemi	PD-9001GR/AT/AC

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.
The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Telnet and LanTest.
3. Executed " Telnet " to link with the remote workstation to transmit and receive packet by WLAN module and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For AC power-line conducted emissions test:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	Microsemi	PD-9001GR/AT/AC	N/A
B	GE1 PC	DELL	T3400	N/A
C	GE2 NB	DELL	E6430	N/A
D	WLAN2.4G NB	DELL	E6430	N/A
E	WLAN5G NB	DELL	E6430	N/A
F	802.11ax Access Point (Device)	Extreme Networks	AP505i	QXO-AP505I
G	Device NB	DELL	E6430	N/A

For Radiated Below 1GHz test:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	GE1 PC	ASUS	N/A	N/A
B	GE2 NB	DELL	E4300	N/A
C	WLAN2.4G NB	DELL	E4300	N/A
D	WLAN5G NB	DELL	E4300	N/A
E	802.11ax Access Point (Device)	Extreme Networks	AP505i	QXO-AP505I
F	Device NB	DELL	E4300	N/A
G	PoE	Microsemi	PD-9001GR/AT/AC	N/A

For Radiated Above 1GHz test:
For Non-Beamforming Mode

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
E	PoE	Microsemi	PD-9001GR/AT/AC	N/A

For Beamforming Mode

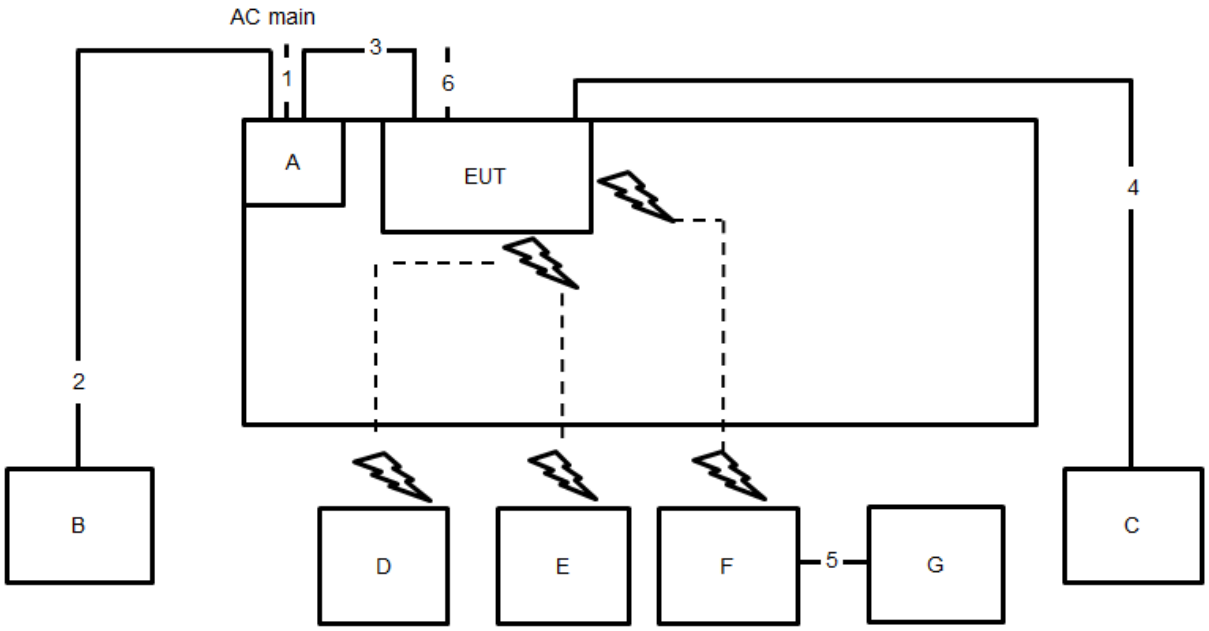
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
C	Notebook	DELL	E4300	N/A
D	WLAN module	Boardcom	BCM 943684MCH5	N/A
E	PoE	Microsemi	PD-9001GR/AT/AC	N/A

For RF Conducted test:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A

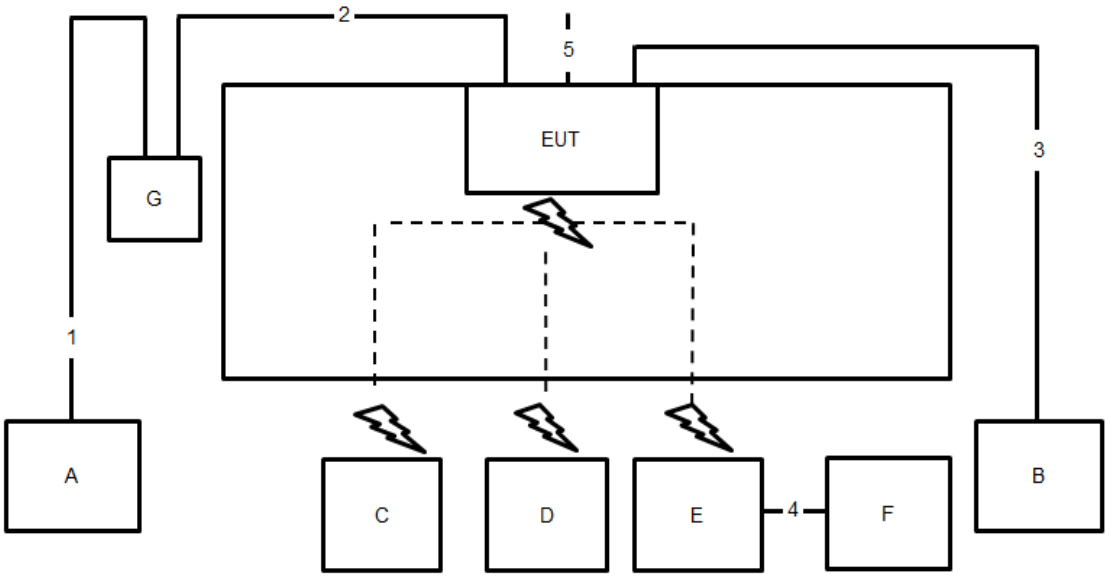
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



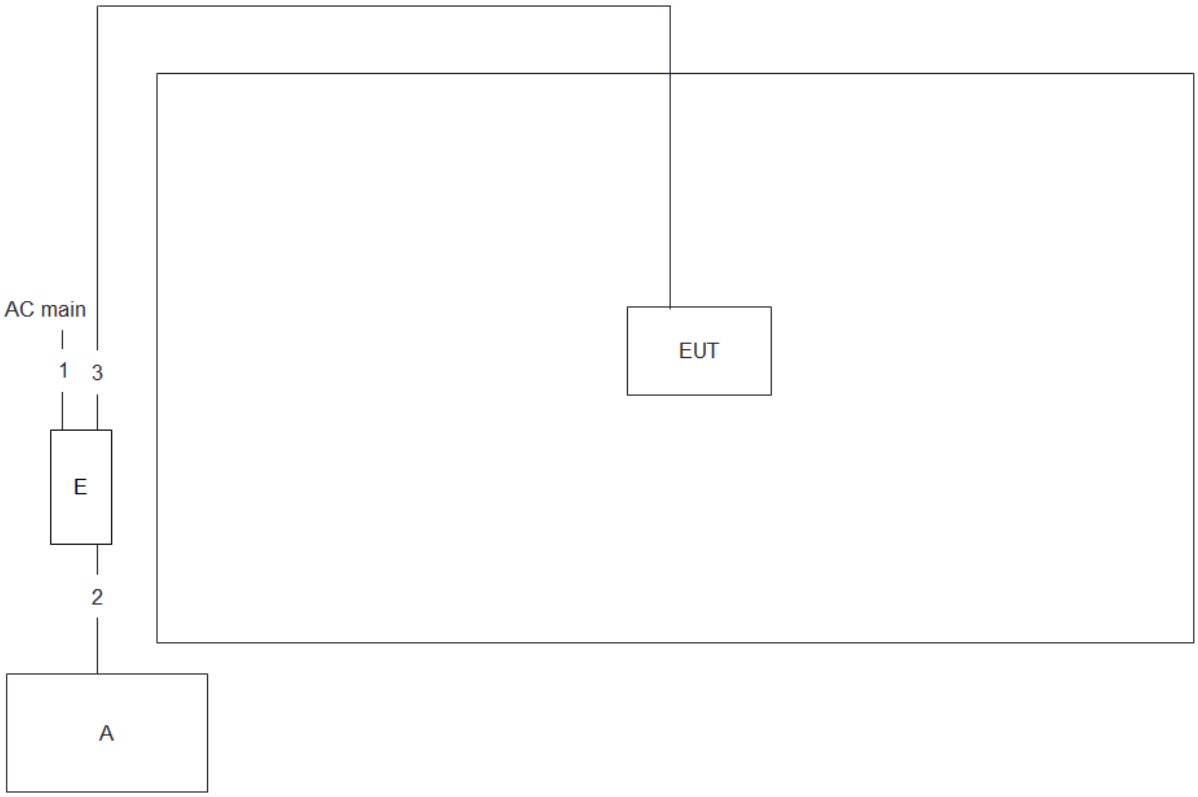
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	1m
6	Console cable	No	1.8m

Test Setup Diagram - Radiated Test < 1GHz



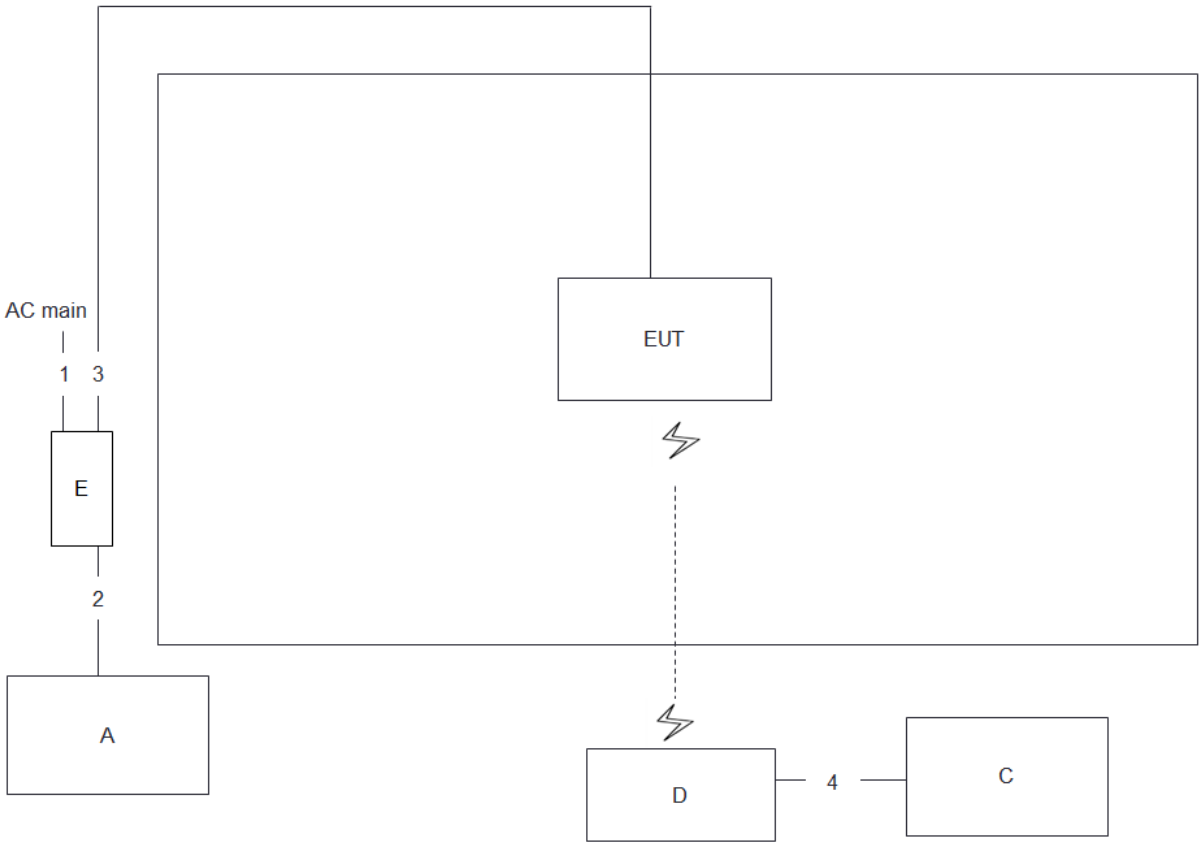
Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	Console cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz , Non-Beamforming Mode



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

Test Setup Diagram - Radiated Test > 1GHz , Beamforming Mode



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

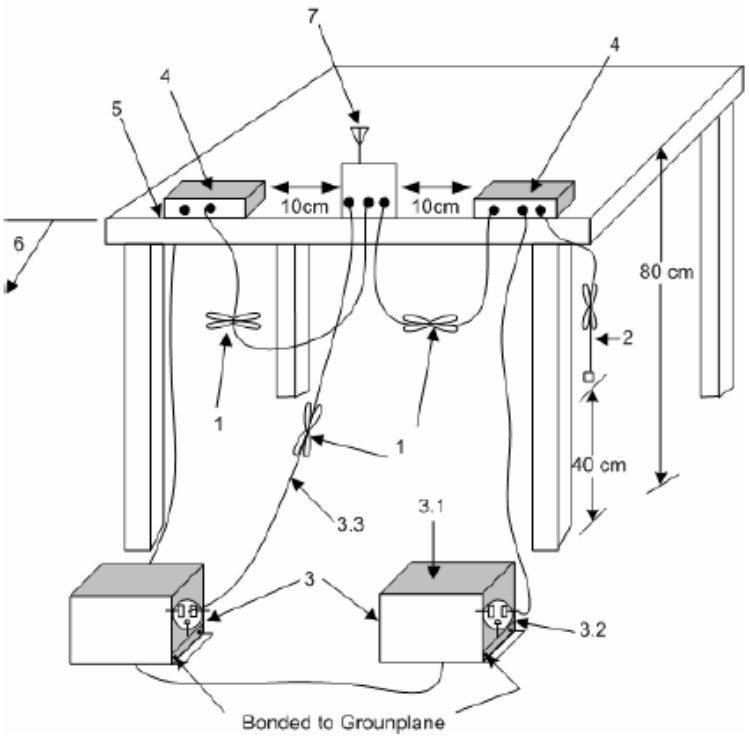
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☐	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

3.2.2 Measuring Instruments

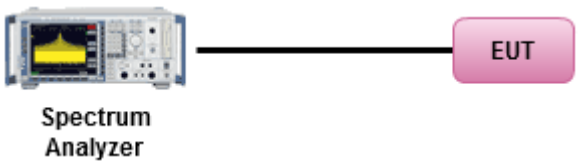
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup

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.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Conducted Output Power	
	Average over on/off periods with duty factor
	☐ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (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.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
	▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for 0° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

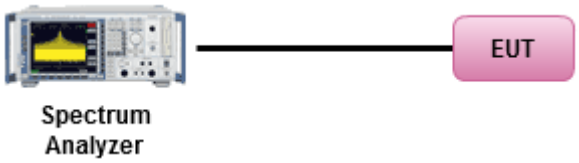
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:		
	☐ Refer as FCC KDB 789033, 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% or external video / power trigger]	
	☒ Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)	
	duty cycle < 98% and average over on/off periods with duty factor	
	☒ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
▪ For conducted measurement.		
	▪ If the EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (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 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	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

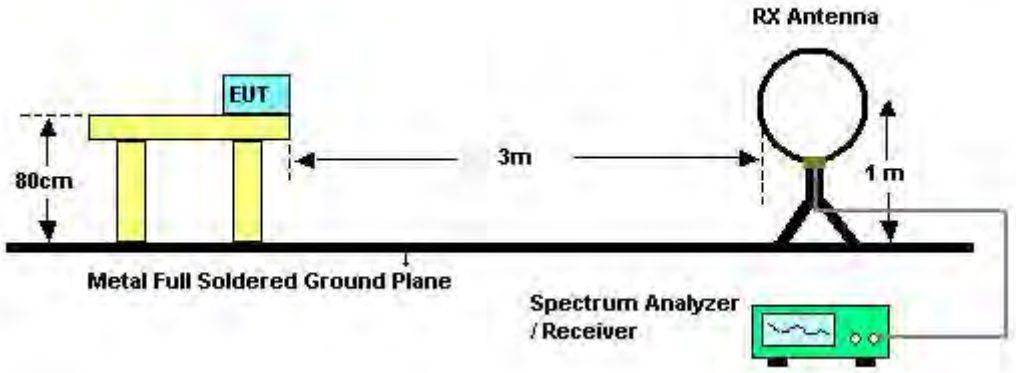
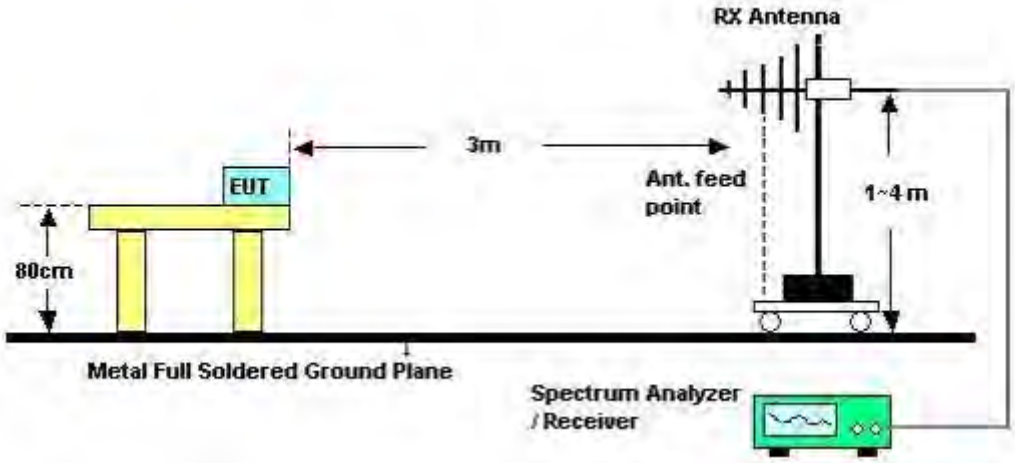
3.5.2 Measuring Instruments

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

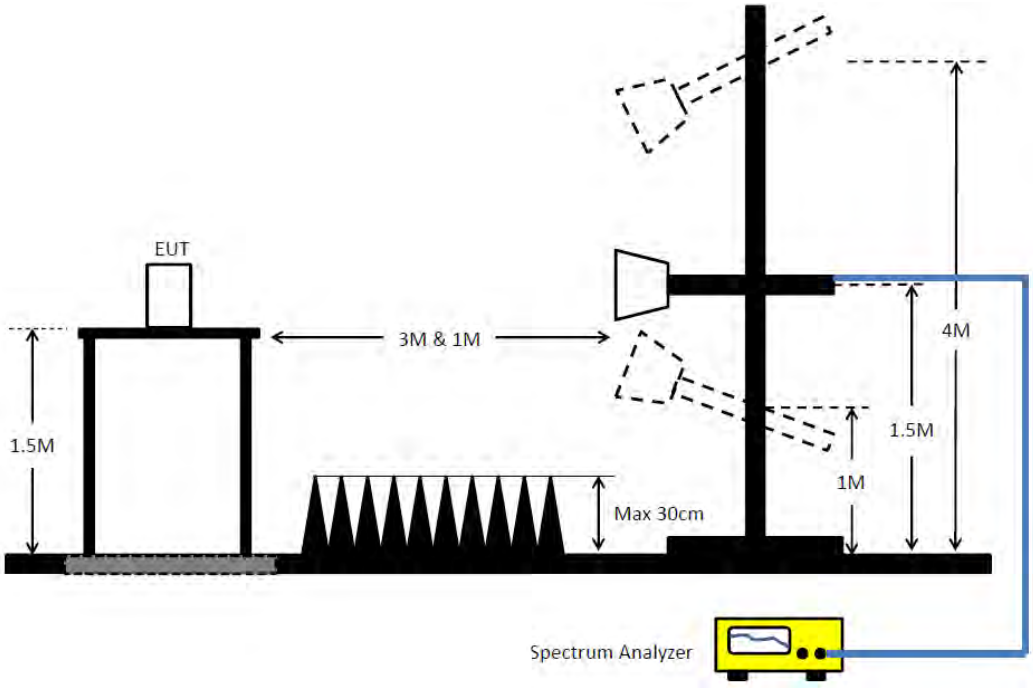
3.5.3 Test Procedures

Test Method			
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.		
	▪ Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.		
		☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).	
		☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).	
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.	
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.	
		☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.	
		☐ Refer as 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)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

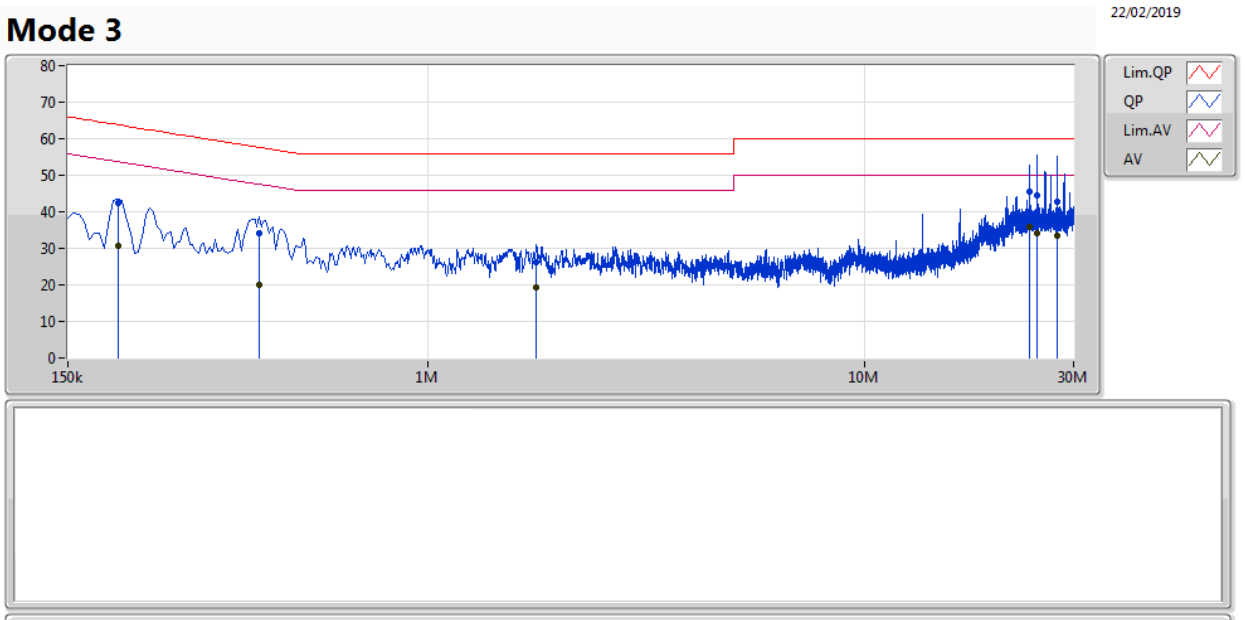
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2018	Nov. 20, 2019	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 05, 2018	Nov. 04, 2019	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 16, 2019	Jan. 15, 2020	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 06, 2018	Nov. 05, 2019	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 13, 2018	Nov. 12, 2019	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2019	Jan. 07, 2020	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jun. 22, 2018	Jun. 21, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 05, 2018	Nov. 04, 2019	Conducted (TH01-CB)

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

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

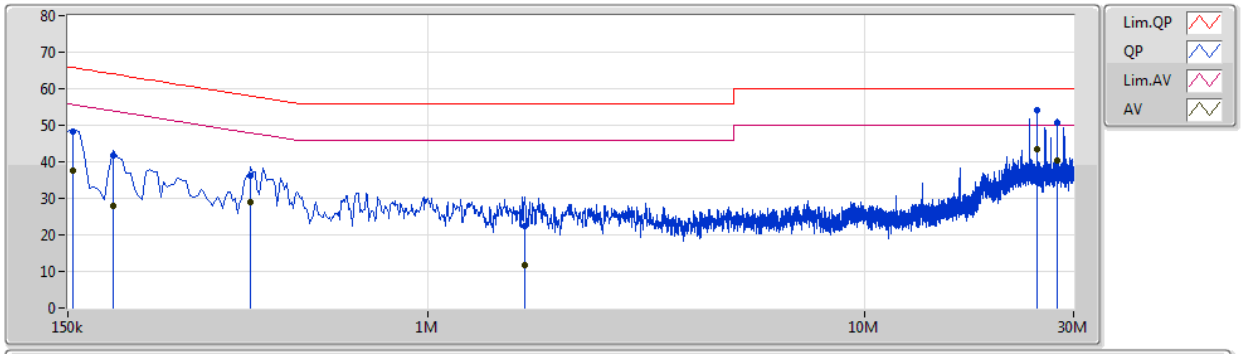
Test Mode	Mode 3	**Frequency Range**	0.15 MHz to 30 MHz



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	195k	42.48	63.82	-21.34	10.17	Line	-	32.31	0.05	0.02	10.10
AV	195k	30.83	53.82	-22.99	10.17	Line	-	20.66	0.05	0.02	10.10
QP	411k	34.12	57.63	-23.51	10.18	Line	-	23.94	0.06	0.02	10.10
AV	411k	20.14	47.63	-27.49	10.18	Line	-	9.96	0.06	0.02	10.10
QP	1.77M	26.25	56.00	-29.75	10.23	Line	-	16.02	0.09	0.04	10.10
AV	1.77M	19.24	46.00	-26.76	10.23	Line	-	9.01	0.09	0.04	10.10
QP	23.784M	45.60	60.00	-14.40	10.62	Line	-	34.98	0.32	0.18	10.12
AV	23.784M	35.85	50.00	-14.15	10.62	Line	"Worst"	25.23	0.32	0.18	10.12
QP	24.738M	44.35	60.00	-15.65	10.65	Line	-	33.70	0.33	0.20	10.12
AV	24.738M	34.28	50.00	-15.72	10.65	Line	-	23.63	0.33	0.20	10.12
QP	27.591M	42.61	60.00	-17.39	10.72	Line	-	31.89	0.37	0.22	10.13
AV	27.591M	33.31	50.00	-16.69	10.72	Line	-	22.59	0.37	0.22	10.13

Mode 3

22/02/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	48.13	65.75	-17.62	10.15	Neutral	-	37.98	0.03	0.02	10.10
AV	154.5k	37.44	55.75	-18.31	10.15	Neutral	-	27.29	0.03	0.02	10.10
QP	190.5k	41.79	64.01	-22.22	10.15	Neutral	-	31.64	0.03	0.02	10.10
AV	190.5k	27.88	54.01	-26.13	10.15	Neutral	-	17.73	0.03	0.02	10.10
QP	393k	36.32	58.01	-21.69	10.16	Neutral	-	26.16	0.04	0.02	10.10
AV	393k	29.12	48.01	-18.89	10.16	Neutral	-	18.96	0.04	0.02	10.10
QP	1.662M	22.33	56.00	-33.67	10.19	Neutral	-	12.14	0.05	0.04	10.10
AV	1.662M	11.63	46.00	-34.37	10.19	Neutral	-	1.44	0.05	0.04	10.10
QP	24.729M	54.29	60.00	-5.71	10.59	Neutral	"Worst"	43.70	0.27	0.20	10.12
AV	24.729M	43.28	50.00	-6.72	10.59	Neutral	-	32.69	0.27	0.20	10.12
QP	27.587M	50.63	60.00	-9.37	10.65	Neutral	-	39.98	0.30	0.22	10.13
AV	27.587M	40.25	50.00	-9.75	10.65	Neutral	-	29.60	0.30	0.22	10.13

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)_1TX	43.25M	17.3M	17M3D1D	26.85M	16.75M
802.11ax HEW20_Nss1,(MCS0)_1TX	41.425M	19.25M	19M2D1D	28.775M	19.05M
802.11ax HEW40_Nss1,(MCS0)_1TX	43.1M	37.9M	37M9D1D	41.25M	37.85M
802.11ax HEW80_Nss1,(MCS0)_1TX	82M	77M	77M0D1D	82M	77M

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

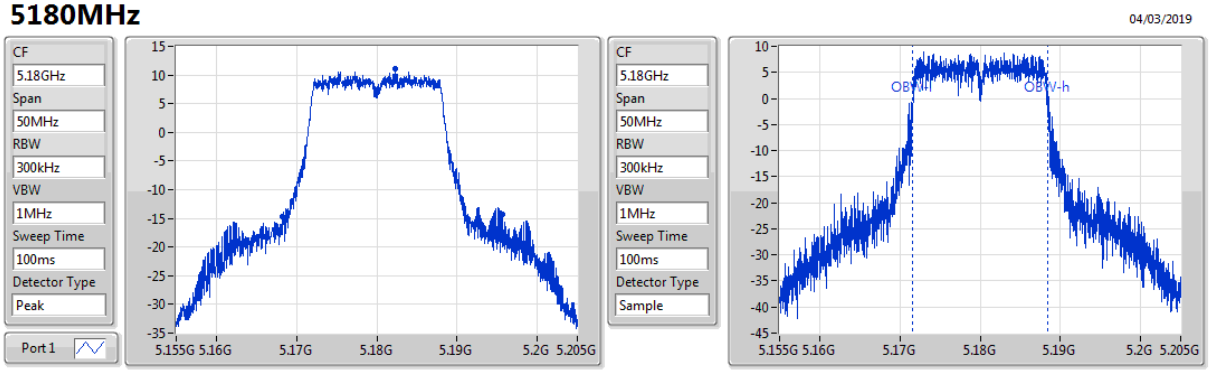
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	27.3M	16.875M
5200MHz	Pass	Inf	43.25M	17.3M
5240MHz	Pass	Inf	26.85M	16.75M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5200MHz	Pass	Inf	41.425M	19.25M
5240MHz	Pass	Inf	28.775M	19.05M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	41.25M	37.9M
5230MHz	Pass	Inf	43.1M	37.85M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	82M	77M

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)_1TX EBW

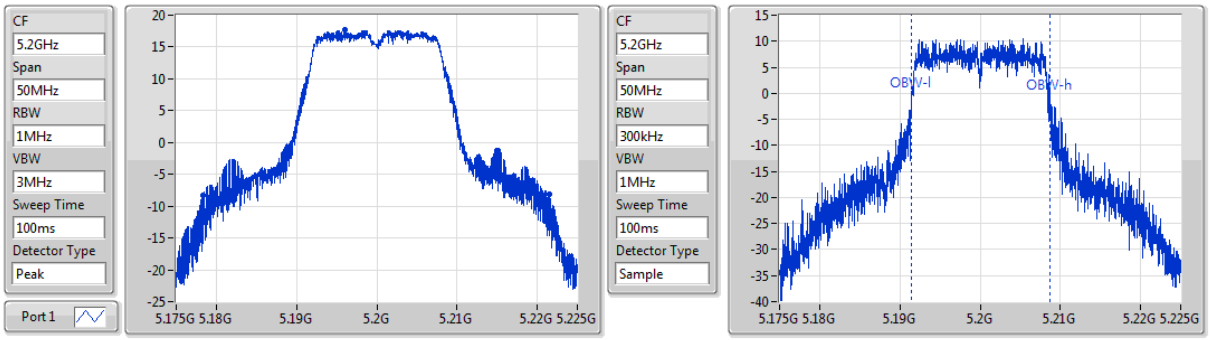
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.3M	5.1683G	5.1956G	16.875M	5.171575G	5.18845G	Inf	1

802.11a_Nss1,(6Mbps)_1TX EBW

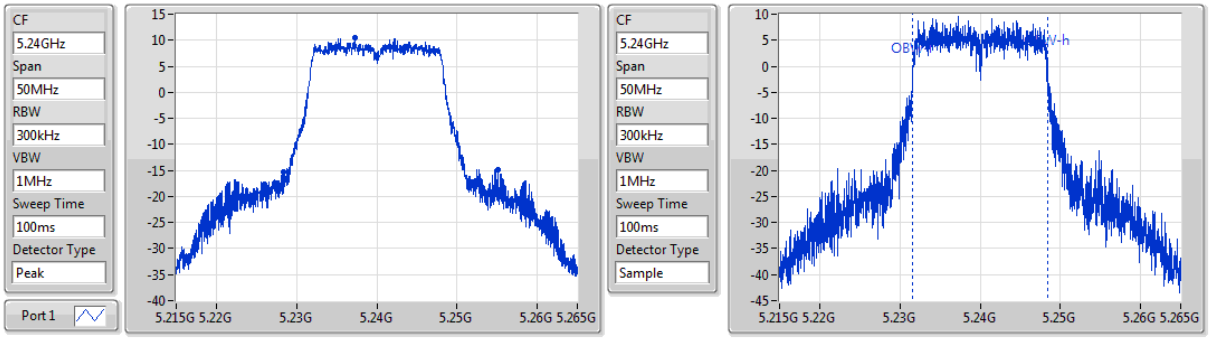
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.25M	5.178325G	5.221575G	17.3M	5.19145G	5.20875G	Inf	1

802.11a_Nss1,(6Mbps)_1TX EBW

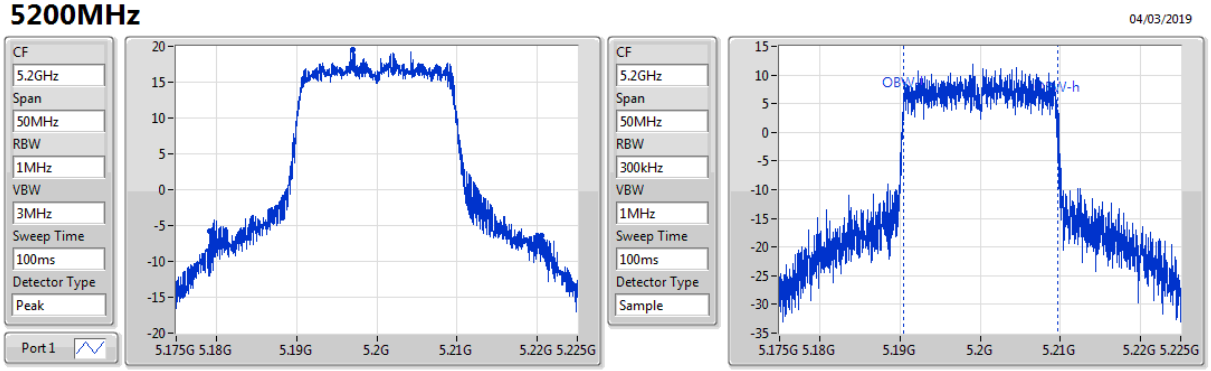
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.85M	5.228325G	5.255175G	16.75M	5.231625G	5.248375G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

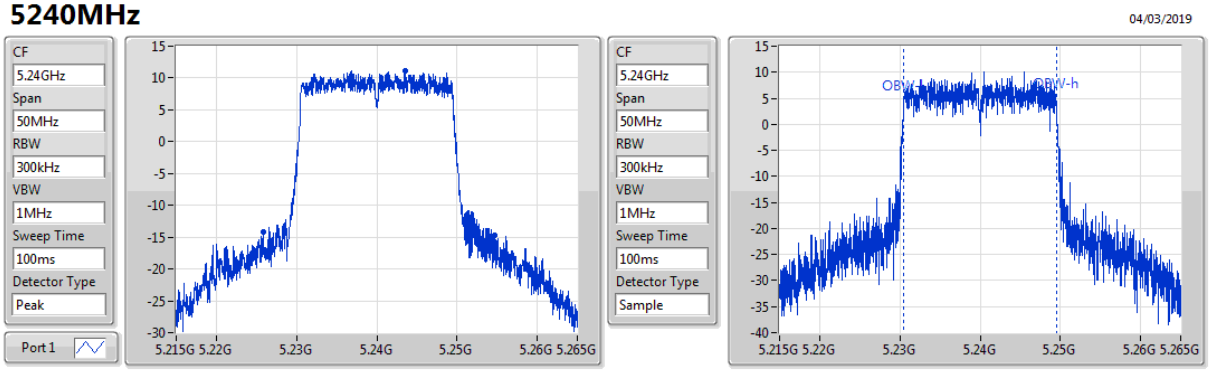
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.425M	5.179125G	5.22055G	19.25M	5.1904G	5.20965G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

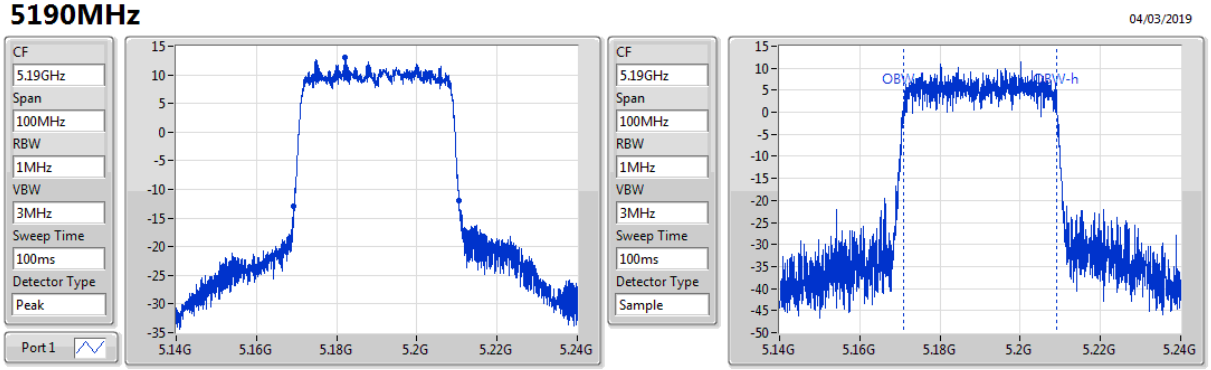
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.775M	5.22585G	5.254625G	19.05M	5.230475G	5.249525G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

5190MHz

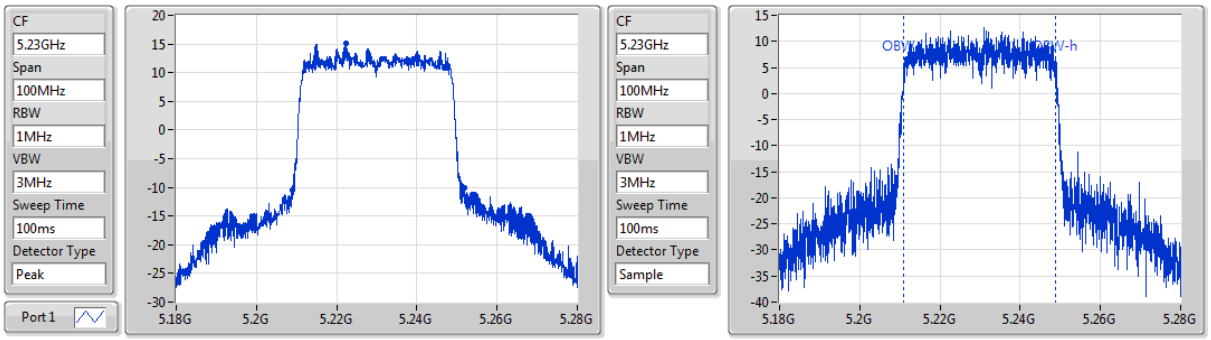


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.25M	5.16925G	5.2105G	37.9M	5.17105G	5.20895G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX **EBW**

5230MHz

04/03/2019

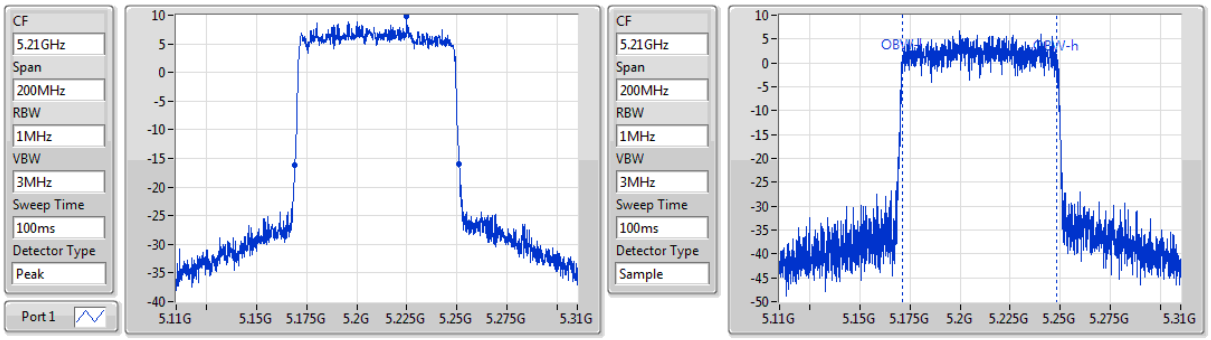


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.1M	5.20885G	5.25195G	37.85M	5.21105G	5.2489G	Inf	1

802.11ax HEW80_Nss1,(MCS0)_1TX **EBW**

5210MHz

04/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82M	5.1692G	5.2512G	77M	5.1714G	5.2484G	Inf	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	43.15M	19.225M	19M2D1D	22.925M	19.05M
802.11ax HEW40_Nss2,(MCS0)_2TX	52.35M	38M	38M0D1D	41.05M	37.8M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.9M	77M	77M0D1D	81.4M	76.9M

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

Result

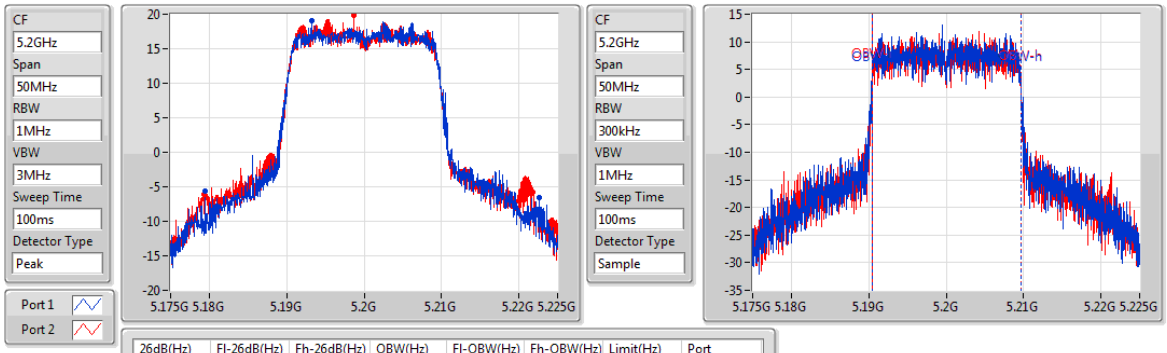
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5200MHz	Pass	Inf	43.15M	19.225M	42.55M	19.225M
5240MHz	Pass	Inf	22.925M	19.05M	28.3M	19.075M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.05M	37.8M	41.15M	37.85M
5230MHz	Pass	Inf	42.9M	38M	52.35M	37.9M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.9M	76.9M	81.4M	77M

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;

802.11ax HEW20_Nss2,(MCS0)_2TX **EBW**

5200MHz

04/03/2019

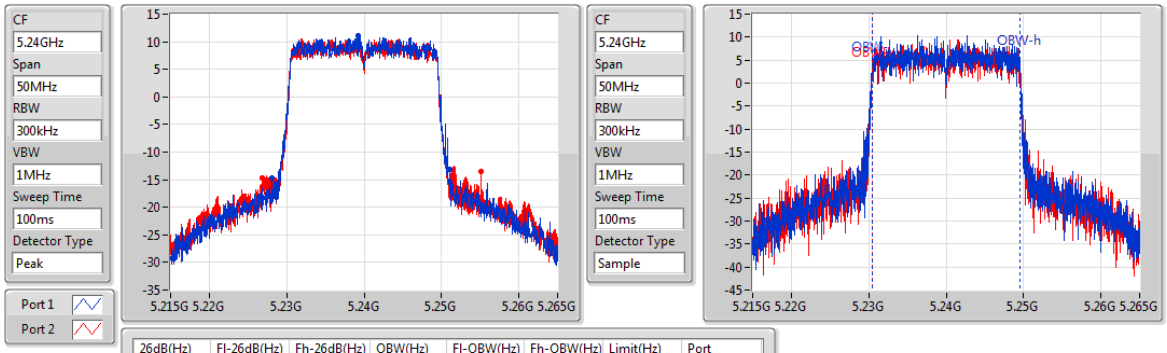


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.15M	5.1795G	5.22265G	19.225M	5.1904G	5.209625G	Inf	1
42.55M	5.179275G	5.221825G	19.225M	5.1904G	5.209625G	Inf	2

802.11ax HEW20_Nss2,(MCS0)_2TX **EBW**

5240MHz

04/03/2019

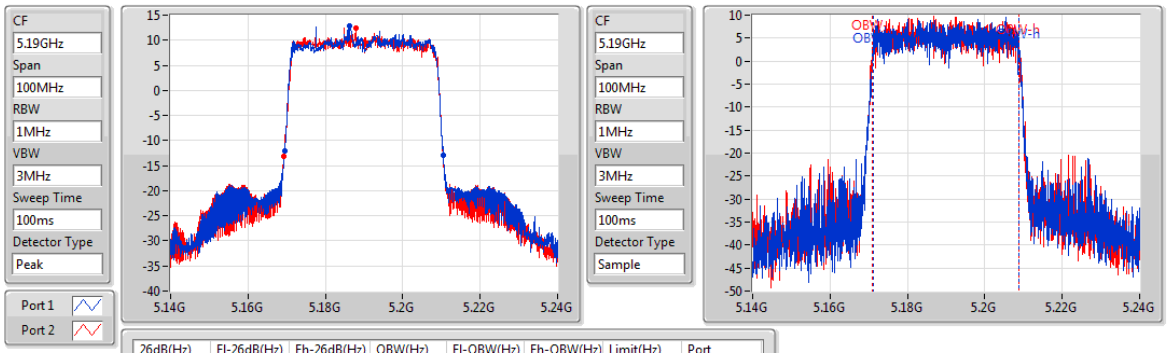


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.925M	5.228125G	5.25105G	19.05M	5.23045G	5.2495G	Inf	1
28.3M	5.2268G	5.2551G	19.075M	5.23045G	5.249525G	Inf	2

802.11ax HEW40_Nss2,(MCS0)_2TX **EBW**

5190MHz

04/03/2019

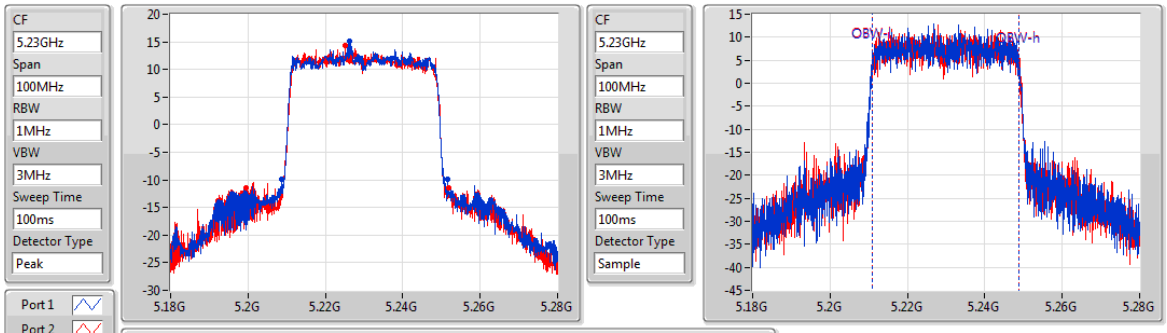


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.05M	5.1694G	5.21045G	37.8M	5.1711G	5.2089G	Inf	1
41.15M	5.16925G	5.2104G	37.85M	5.17105G	5.2089G	Inf	2

802.11ax HEW40_Nss2,(MCS0)_2TX **EBW**

5230MHz

04/03/2019

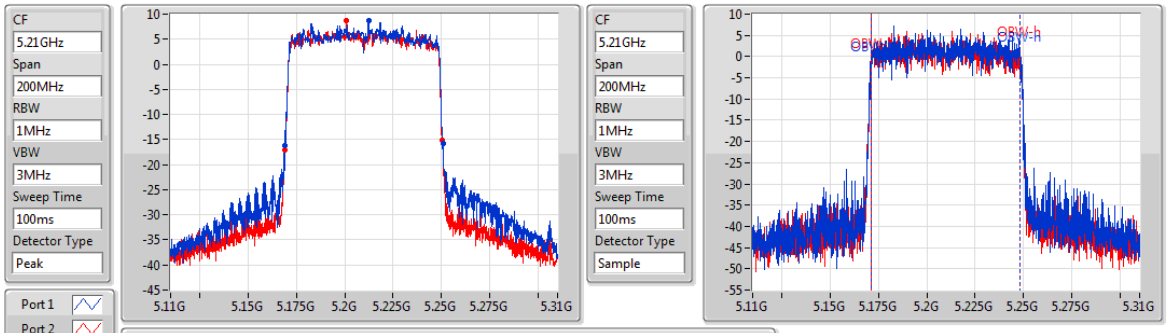


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.9M	5.2088G	5.2517G	38M	5.2109G	5.2489G	Inf	1
52.35M	5.1996G	5.25195G	37.9M	5.211G	5.2489G	Inf	2

802.11ax HEW80_Nss2,(MCS0)_2TX **EBW**

5210MHz

04/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.9M	5.1689G	5.2508G	76.9M	5.1715G	5.2484G	Inf	1
81.4M	5.1692G	5.2506G	77M	5.1714G	5.2484G	Inf	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)_4TX	26.875M	16.825M	16M8D1D	21.9M	16.7M
802.11ax HEW20_Nss1,(MCS0)_4TX	28.525M	19.075M	19M1D1D	23.025M	19.025M
802.11ax HEW40_Nss1,(MCS0)_4TX	49.3M	37.95M	37M9D1D	41.1M	37.75M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.1M	77.2M	77M2D1D	81.4M	76.9M

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

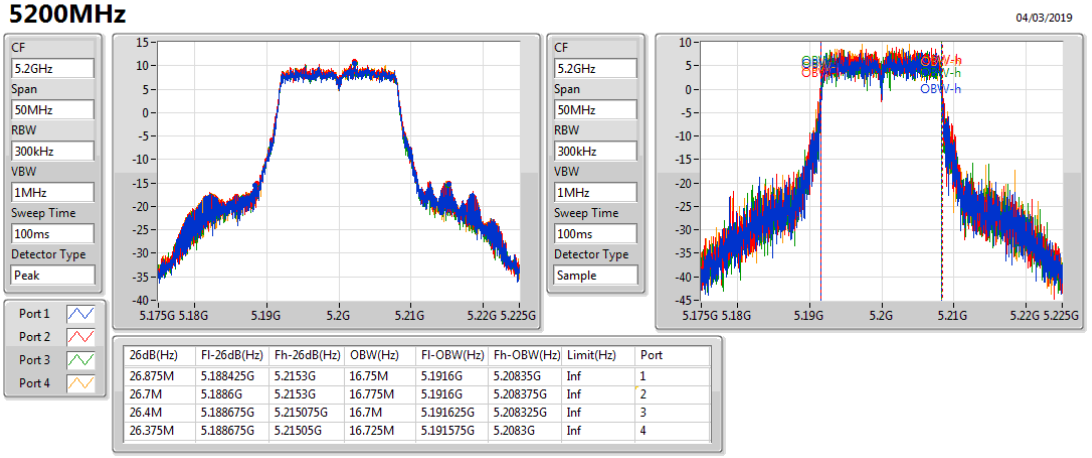
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5200MHz	Pass	Inf	26.875M	16.75M	26.7M	16.775M	26.4M	16.7M	26.375M	16.725M
5240MHz	Pass	Inf	26.15M	16.8M	26.725M	16.825M	26.575M	16.8M	21.9M	16.725M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5200MHz	Pass	Inf	24.55M	19.075M	26.175M	19.075M	24.775M	19.025M	24.625M	19.05M
5240MHz	Pass	Inf	27.575M	19.075M	26.95M	19.05M	28.525M	19.025M	23.025M	19.075M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.1M	37.9M	41.4M	37.75M	41.25M	37.9M	41.2M	37.85M
5230MHz	Pass	Inf	43.65M	37.95M	43.05M	37.95M	45.75M	37.85M	49.3M	37.95M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.7M	77.2M	81.6M	77.2M	81.4M	77.1M	82.1M	76.9M

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

802.11a_Nss1,(6Mbps)_4TX **EBW**

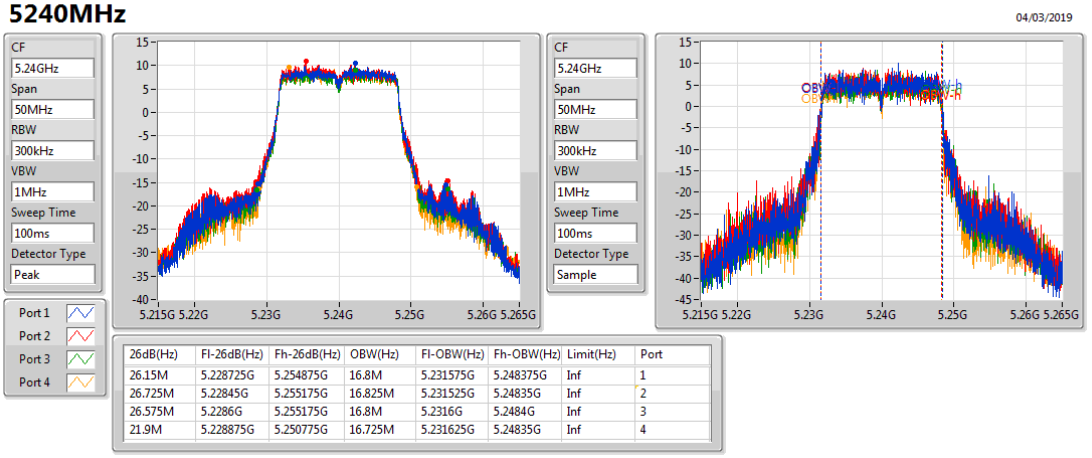
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.875M	5.188425G	5.2153G	16.75M	5.1916G	5.20835G	Inf	1
26.7M	5.1886G	5.2153G	16.775M	5.1916G	5.208375G	Inf	2
26.4M	5.188675G	5.215075G	16.7M	5.191625G	5.208325G	Inf	3
26.375M	5.188675G	5.21505G	16.725M	5.191575G	5.2083G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

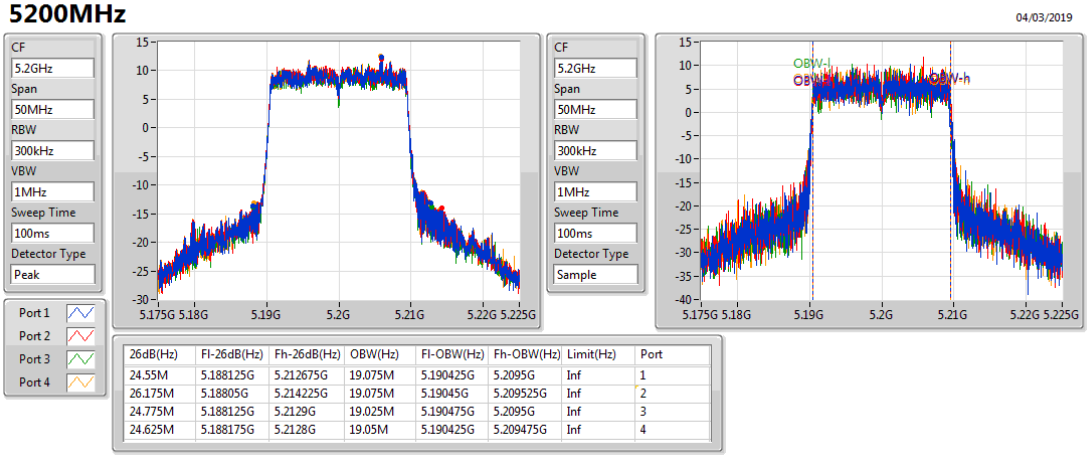
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.15M	5.228725G	5.254875G	16.8M	5.231575G	5.248375G	Inf	1
26.725M	5.22845G	5.255175G	16.825M	5.231525G	5.24835G	Inf	2
26.575M	5.2286G	5.255175G	16.8M	5.2316G	5.2484G	Inf	3
21.9M	5.228875G	5.250775G	16.725M	5.231625G	5.24835G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

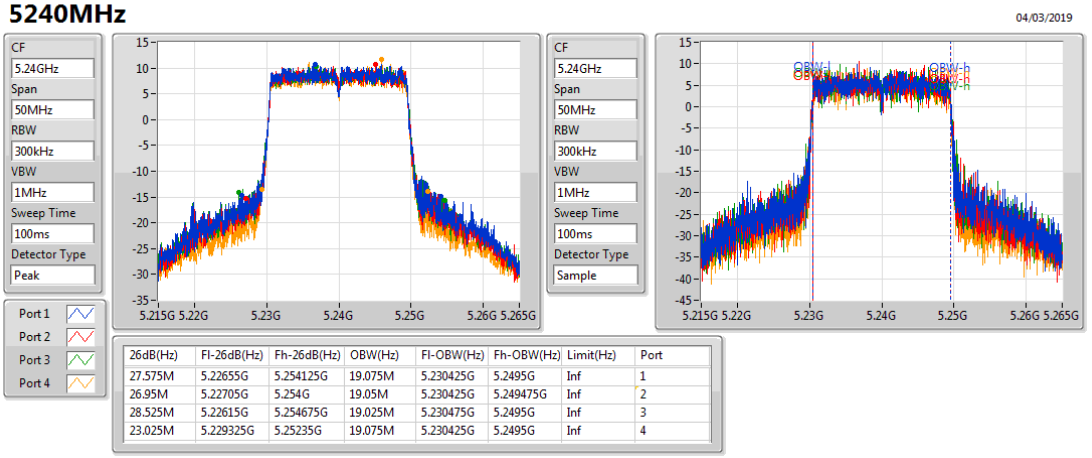
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.55M	5.188125G	5.212675G	19.075M	5.190425G	5.2095G	Inf	1
26.175M	5.18805G	5.214225G	19.075M	5.19045G	5.209525G	Inf	2
24.775M	5.188125G	5.2129G	19.025M	5.190475G	5.2095G	Inf	3
24.625M	5.188175G	5.2128G	19.05M	5.190425G	5.209475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

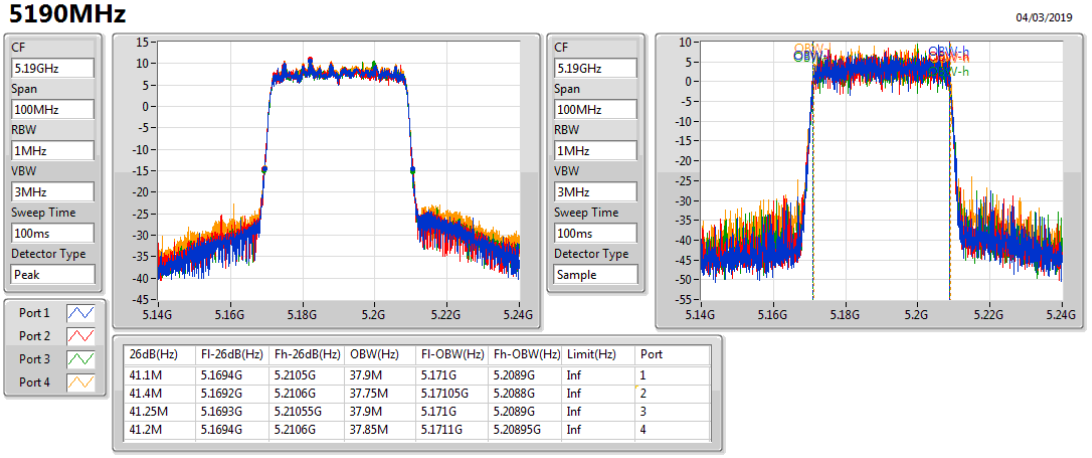
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.575M	5.22655G	5.254125G	19.075M	5.230425G	5.2495G	Inf	1
26.95M	5.22705G	5.254G	19.05M	5.230425G	5.249475G	Inf	2
28.525M	5.22615G	5.254675G	19.025M	5.230475G	5.2495G	Inf	3
23.025M	5.229325G	5.25235G	19.075M	5.230425G	5.2495G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

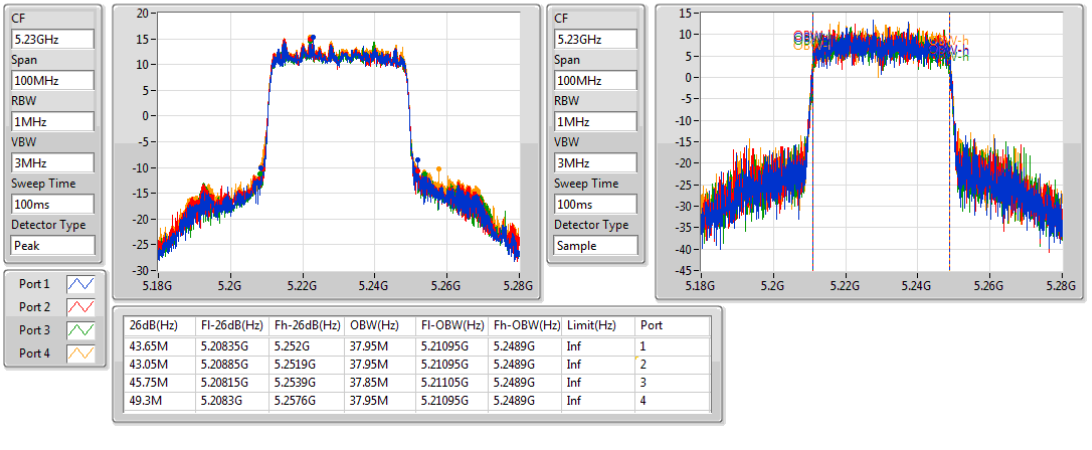
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.1M	5.1694G	5.2105G	37.9M	5.171G	5.2089G	Inf	1
41.4M	5.1692G	5.2106G	37.75M	5.17105G	5.2088G	Inf	2
41.25M	5.1693G	5.21055G	37.9M	5.171G	5.2089G	Inf	3
41.2M	5.1694G	5.2106G	37.85M	5.1711G	5.20895G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5230MHz

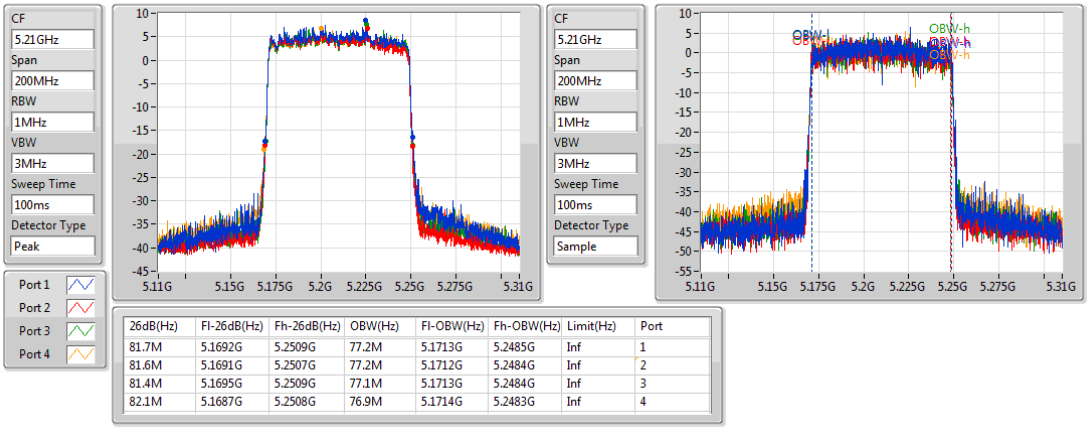


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.65M	5.20835G	5.252G	37.95M	5.21095G	5.2489G	Inf	1
43.05M	5.20885G	5.2519G	37.95M	5.21095G	5.2489G	Inf	2
45.75M	5.20815G	5.2539G	37.85M	5.21105G	5.2489G	Inf	3
49.3M	5.2083G	5.2576G	37.95M	5.21095G	5.2489G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

5210MHz

04/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.7M	5.1692G	5.2509G	77.2M	5.1713G	5.2485G	Inf	1
81.6M	5.1691G	5.2507G	77.2M	5.1712G	5.2484G	Inf	2
81.4M	5.1695G	5.2509G	77.1M	5.1713G	5.2484G	Inf	3
82.1M	5.1687G	5.2508G	76.9M	5.1714G	5.2483G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	33.075M	19.015M	19M0D1D	21.3M	18.916M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	76.15M	37.631M	37M6D1D	40.05M	37.431M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	81.5M	77.261M	77M3D1D	81.1M	77.061M

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

Result

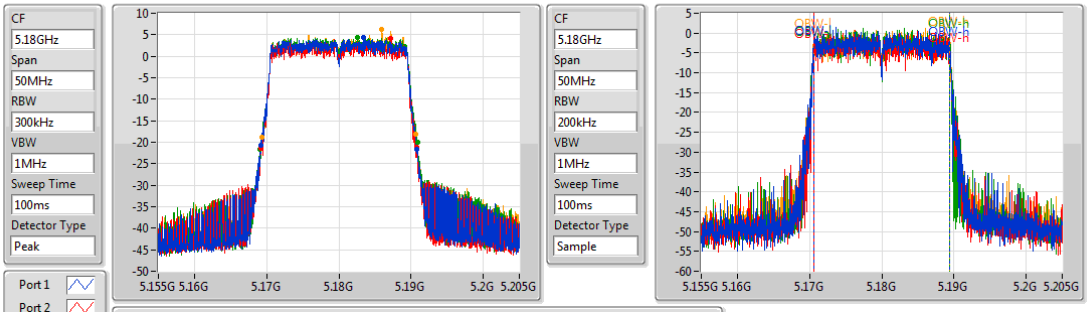
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.7M	18.916M	21.6M	18.941M	21.825M	18.941M	21.3M	18.941M
5200MHz	Pass	Inf	23.75M	18.966M	22.8M	18.941M	23.75M	18.966M	21.4M	18.941M
5240MHz	Pass	Inf	26.05M	18.966M	25.775M	19.015M	33.075M	18.966M	23.2M	18.991M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.05M	37.631M	40.15M	37.531M	40.5M	37.431M	40.15M	37.531M
5230MHz	Pass	Inf	76.15M	37.581M	76.05M	37.481M	75.8M	37.631M	76.1M	37.531M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.5M	77.161M	81.2M	77.261M	81.1M	77.161M	81.1M	77.061M

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

802.11ac VHT20-BF_Nss1,(MCS0)_4TX **EBW**

5180MHz

06/03/2019

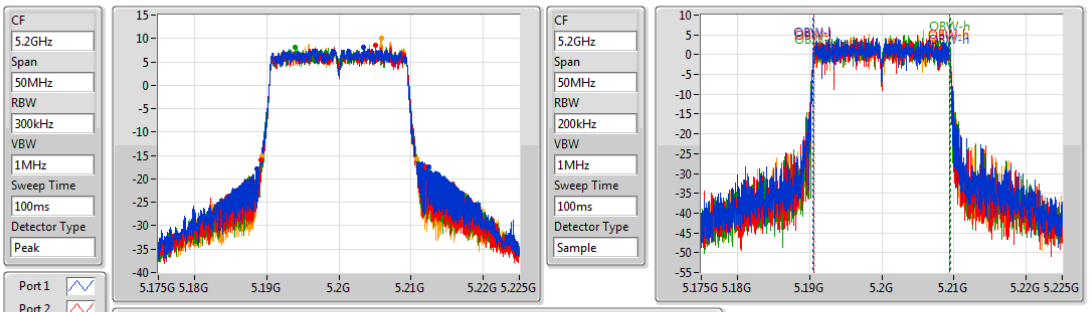


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.7M	5.16915G	5.19085G	18.916M	5.17053G	5.189445G	Inf	1
21.6M	5.169225G	5.190825G	18.941M	5.17053G	5.18947G	Inf	2
21.825M	5.16905G	5.190875G	18.941M	5.17053G	5.18947G	Inf	3
21.3M	5.1694G	5.1907G	18.941M	5.17053G	5.18947G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX **EBW**

5200MHz

06/03/2019

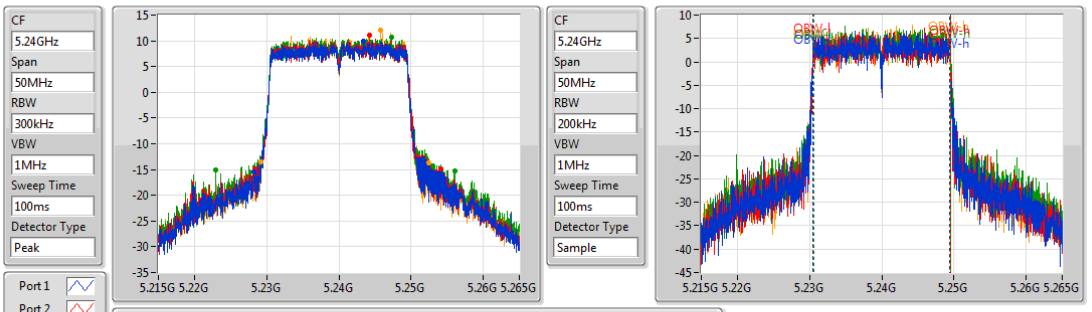


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.75M	5.1887G	5.21245G	18.966M	5.190505G	5.20947G	Inf	1
22.8M	5.18925G	5.21205G	18.941M	5.19053G	5.20947G	Inf	2
23.75M	5.188775G	5.212525G	18.966M	5.19053G	5.209495G	Inf	3
21.4M	5.189375G	5.210775G	18.941M	5.19053G	5.20947G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX **EBW**

5240MHz

06/03/2019

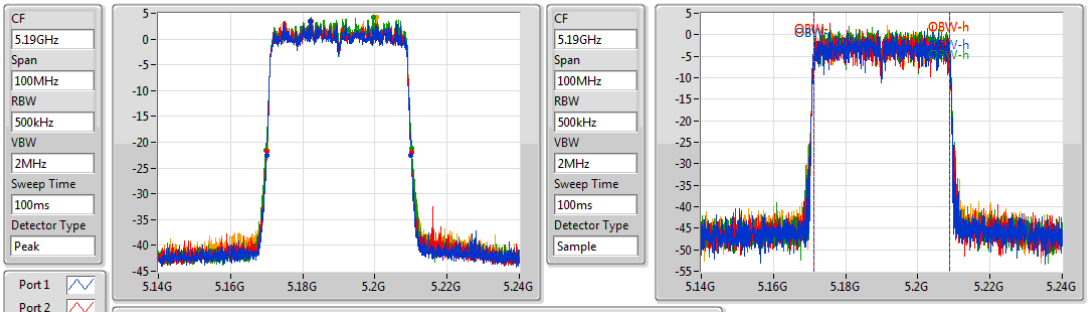


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.05M	5.228225G	5.254275G	18.966M	5.230505G	5.24947G	Inf	1
25.775M	5.228425G	5.2542G	19.015M	5.23048G	5.249495G	Inf	2
33.075M	5.222975G	5.25605G	18.966M	5.23053G	5.249495G	Inf	3
23.2M	5.229275G	5.252475G	18.991M	5.23048G	5.24947G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX **EBW**

5190MHz

06/03/2019

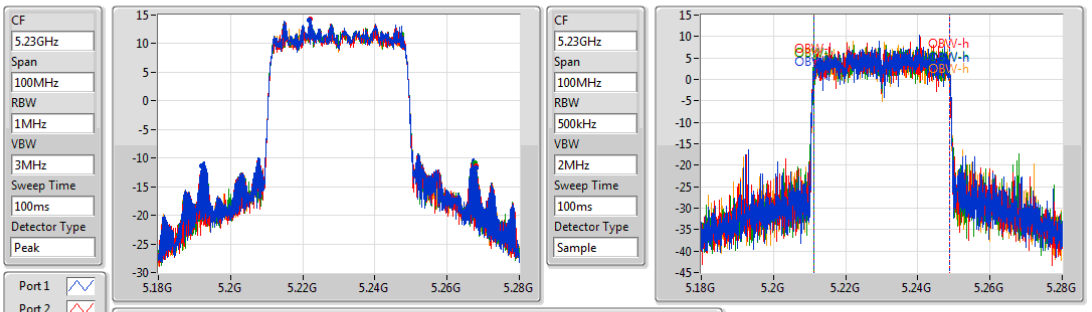


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.05M	5.17G	5.21005G	37.631M	5.171159G	5.208791G	Inf	1
40.15M	5.16995G	5.2101G	37.531M	5.171159G	5.208691G	Inf	2
40.5M	5.16975G	5.21025G	37.431M	5.171309G	5.208741G	Inf	3
40.15M	5.17G	5.21015G	37.531M	5.171209G	5.208741G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX **EBW**

5230MHz

06/03/2019

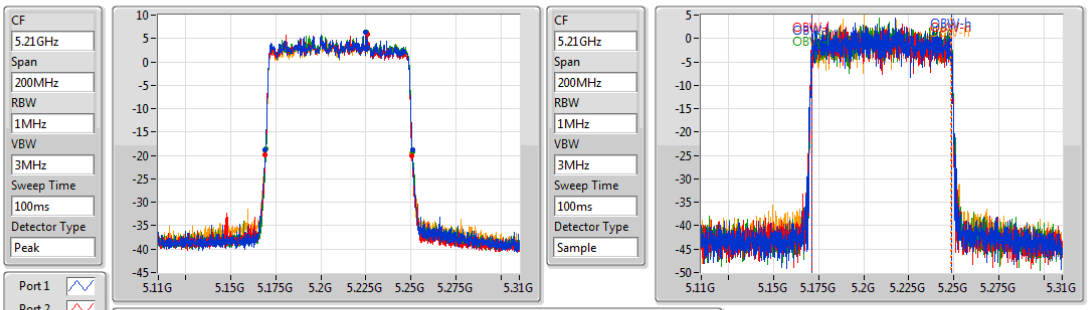


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.15M	5.192G	5.26815G	37.581M	5.211209G	5.248791G	Inf	1
76.05M	5.192G	5.26805G	37.481M	5.211209G	5.248691G	Inf	2
75.8M	5.19205G	5.26785G	37.631M	5.211159G	5.248791G	Inf	3
76.1M	5.192G	5.2681G	37.531M	5.211209G	5.248741G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX **EBW**

5210MHz

06/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.5M	5.1693G	5.2508G	77.161M	5.171319G	5.248481G	Inf	1
81.2M	5.1693G	5.2505G	77.261M	5.171319G	5.248581G	Inf	2
81.1M	5.1697G	5.2508G	77.161M	5.171419G	5.248581G	Inf	3
81.1M	5.1693G	5.2504G	77.061M	5.171319G	5.248381G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	45.85M	19.225M	19M2D1D	21.5M	18.975M
802.11ax HEW40_Nss4,(MCS0)_4TX	41.6M	37.95M	37M9D1D	41.1M	37.75M

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

Result

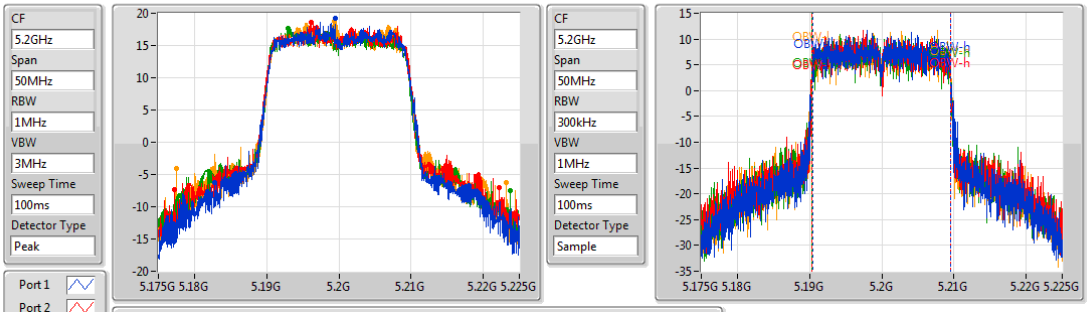
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5200MHz	Pass	Inf	35.25M	19.15M	45.025M	19.225M	45.85M	19.225M	45.8M	19.15M
5240MHz	Pass	Inf	22.3M	19.05M	22.15M	19.075M	23.15M	18.975M	21.5M	19M
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.45M	37.75M	41.2M	37.8M	41.1M	37.85M	41.6M	37.95M

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;

802.11ax HEW20_Nss4,(MCS0)_4TX **EBW**

5200MHz

04/03/2019

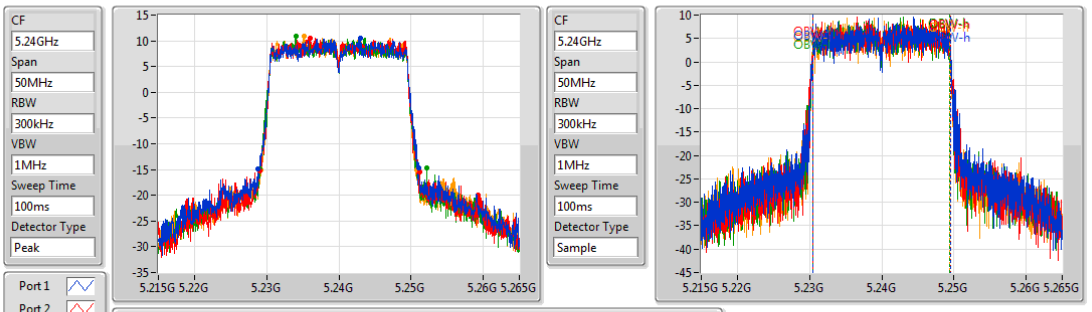


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.25M	5.182825G	5.218075G	19.15M	5.1904G	5.20955G	Inf	1
45.025M	5.1772G	5.222225G	19.225M	5.19035G	5.209575G	Inf	2
45.85M	5.177875G	5.223725G	19.225M	5.19035G	5.209575G	Inf	3
45.8M	5.17745G	5.22325G	19.15M	5.190375G	5.209525G	Inf	4

802.11ax HEW20_Nss4,(MCS0)_4TX **EBW**

5240MHz

04/03/2019

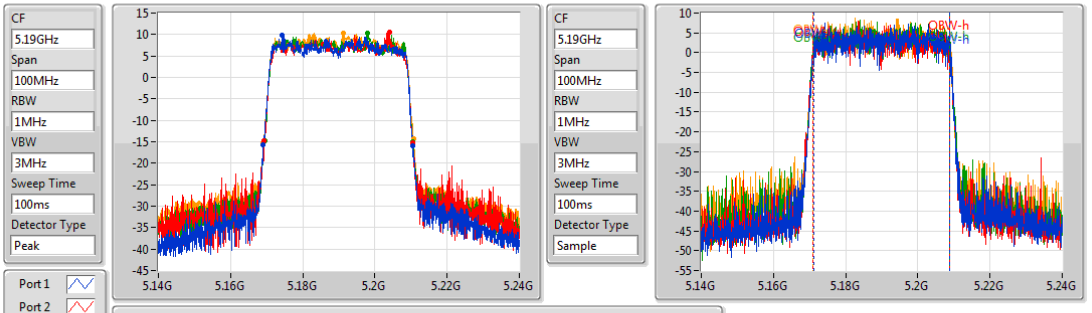


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.3M	5.228825G	5.251125G	19.05M	5.23045G	5.2495G	Inf	1
22.15M	5.229G	5.25115G	19.075M	5.23045G	5.249525G	Inf	2
23.15M	5.22905G	5.2522G	18.975M	5.230475G	5.24945G	Inf	3
21.5M	5.22925G	5.25075G	19M	5.23045G	5.24945G	Inf	4

802.11ax HEW40_Nss4,(MCS0)_4TX **EBW**

5190MHz

04/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.45M	5.1691G	5.21055G	37.75M	5.17115G	5.2089G	Inf	1
41.2M	5.1692G	5.2104G	37.8M	5.17105G	5.20885G	Inf	2
41.1M	5.1694G	5.2105G	37.85M	5.171G	5.20885G	Inf	3
41.6M	5.1691G	5.2107G	37.95M	5.17095G	5.2089G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	26.975M	16.8M	16M8D1D	26.975M	16.8M
802.11ax HEW20_Nss1,(MCS0)_1TX	24.3M	19.025M	19M0D1D	24.3M	19.025M
802.11ax HEW40_Nss1,(MCS0)_1TX	41M	37.85M	37M8D1D	41M	37.85M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.1M	77.1M	77M1D1D	82.1M	77.1M

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

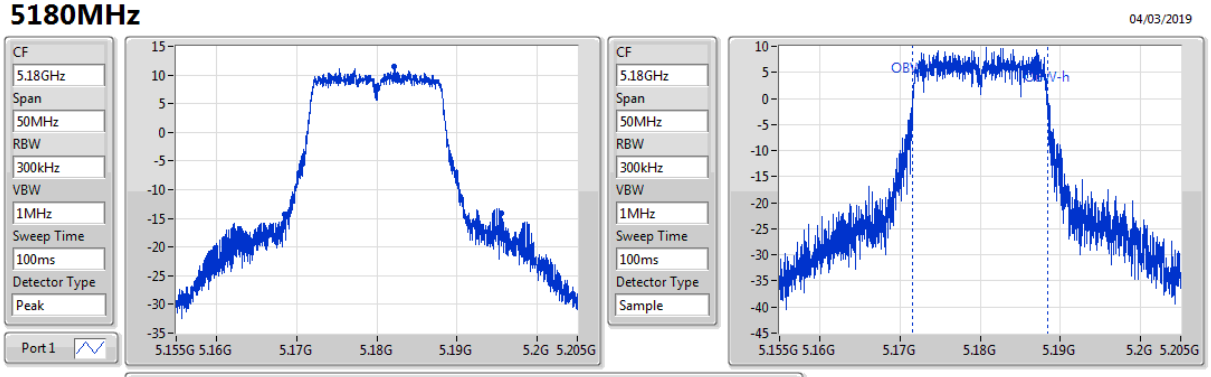
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	26.975M	16.8M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	24.3M	19.025M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	41M	37.85M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	82.1M	77.1M

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)_1TX EBW

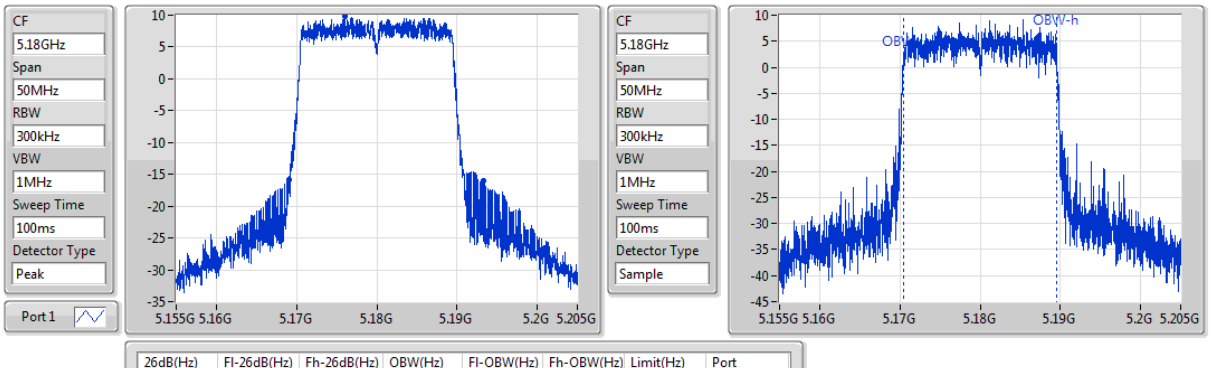
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.975M	5.168575G	5.19555G	16.8M	5.1716G	5.1884G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

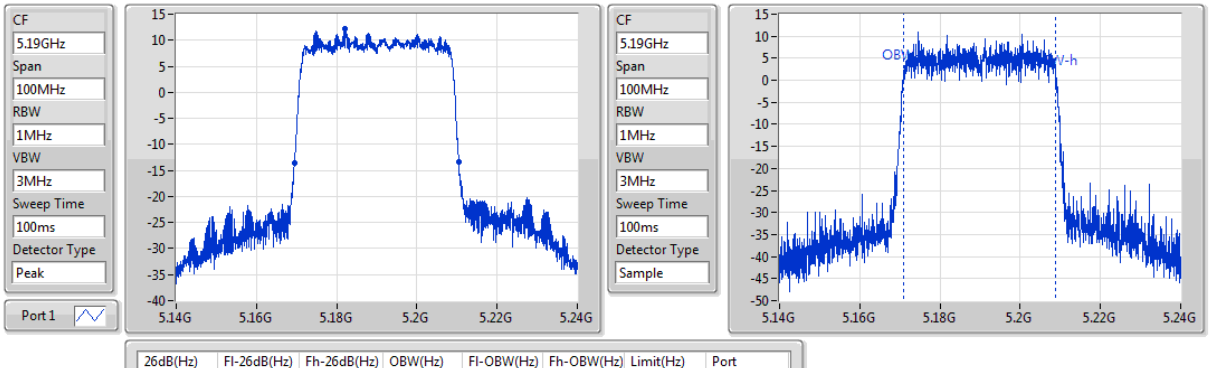
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.3M	5.169G	5.1933G	19.025M	5.170475G	5.1895G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

5190MHz

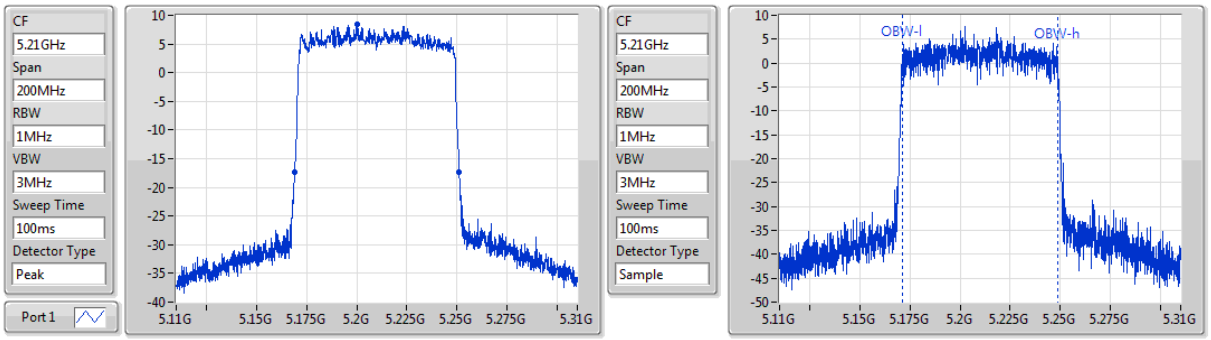


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41M	5.1695G	5.2105G	37.85M	5.171G	5.20885G	Inf	1

802.11ax HEW80_Nss1,(MCS0)_1TX **EBW**

5210MHz

04/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.1M	5.1691G	5.2512G	77.1M	5.1714G	5.2485G	Inf	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	22.15M	19M	19M0D1D	21.625M	18.95M
802.11ax HEW40_Nss2,(MCS0)_2TX	41.3M	37.8M	37M8D1D	41M	37.75M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.9M	77.1M	77M1D1D	81.6M	77.1M

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

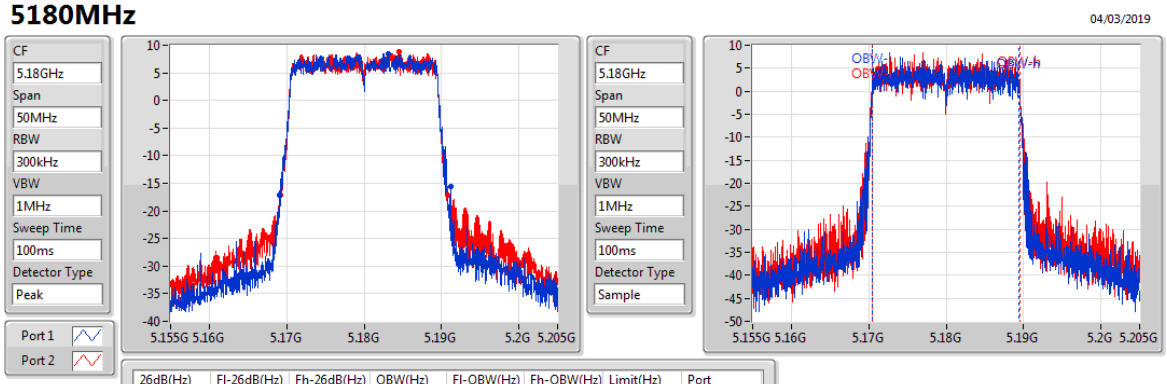
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.15M	18.95M	21.625M	19M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41M	37.8M	41.3M	37.75M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.9M	77.1M	81.6M	77.1M

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;

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

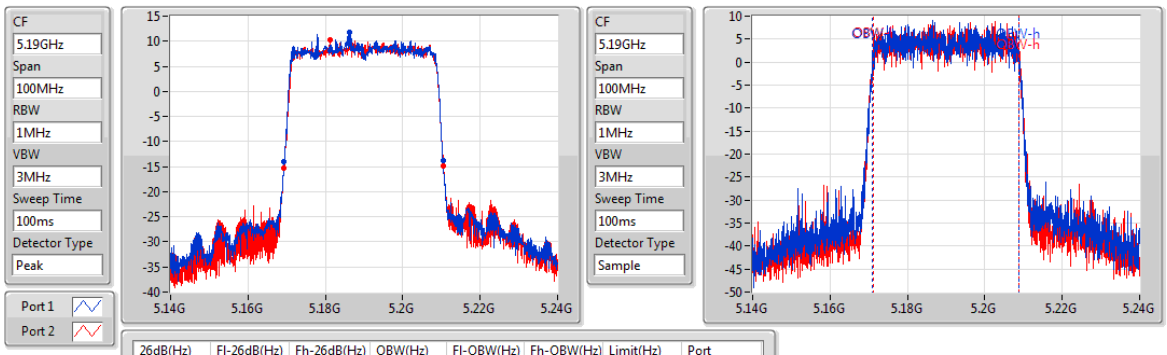
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.15M	5.16905G	5.1912G	18.95M	5.1705G	5.18945G	Inf	1
21.625M	5.16915G	5.190775G	19M	5.1705G	5.1895G	Inf	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

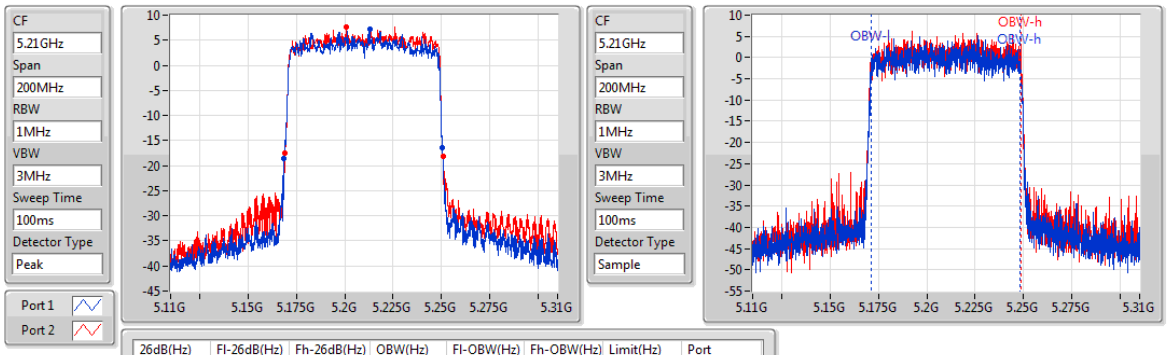
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41M	5.16935G	5.21035G	37.8M	5.17105G	5.20885G	Inf	1
41.3M	5.1692G	5.2105G	37.75M	5.17115G	5.2089G	Inf	2

802.11ax HEW80_Nss2,(MCS0)_2TX EBW

5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.9M	5.1687G	5.2506G	77.1M	5.1713G	5.2484G	Inf	1
81.6M	5.1692G	5.2508G	77.1M	5.1715G	5.2486G	Inf	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)_4TX	27.225M	16.8M	16M8D1D	22M	16.7M
802.11ax HEW20_Nss1,(MCS0)_4TX	26.4M	19.075M	19M1D1D	23.5M	19M
802.11ax HEW40_Nss1,(MCS0)_4TX	65.65M	38M	38M0D1D	43.8M	37.85M

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

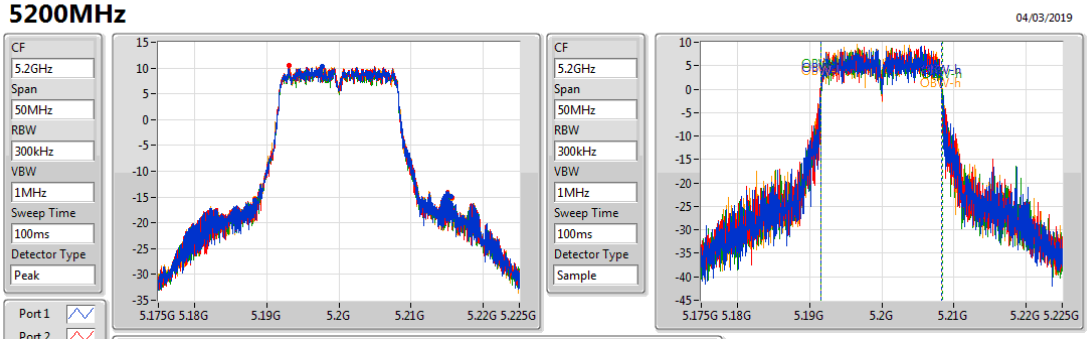
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5200MHz	Pass	Inf	27.125M	16.75M	27.2M	16.775M	27M	16.8M	27.225M	16.775M
5240MHz	Pass	Inf	25.85M	16.7M	27.025M	16.775M	26.7M	16.775M	22M	16.7M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5240MHz	Pass	Inf	26.225M	19.05M	26.4M	19.025M	25.125M	19.075M	23.5M	19M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5230MHz	Pass	Inf	56.35M	37.9M	46.45M	37.9M	65.65M	37.85M	43.8M	38M

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

802.11a_Nss1,(6Mbps)_4TX **EBW**

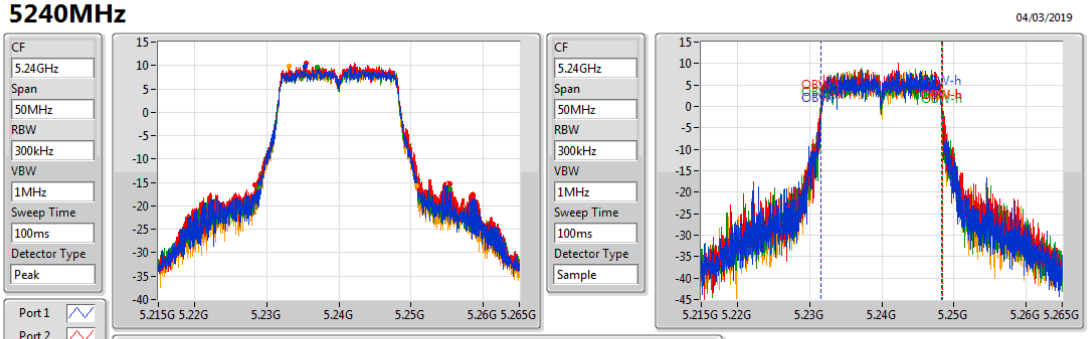
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.125M	5.188425G	5.21555G	16.75M	5.191575G	5.208325G	Inf	1
27.2M	5.1884G	5.2156G	16.775M	5.19155G	5.208325G	Inf	2
27M	5.188525G	5.215525G	16.8M	5.191575G	5.208375G	Inf	3
27.225M	5.1884G	5.215625G	16.775M	5.191575G	5.20835G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

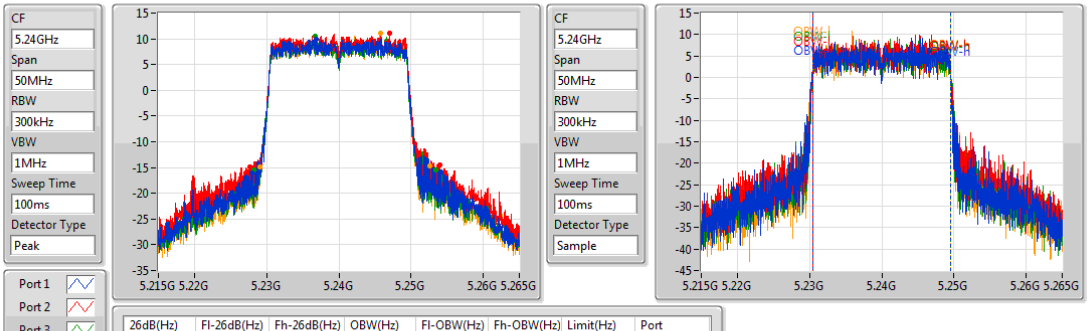
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.85M	5.22905G	5.2549G	16.7M	5.231625G	5.248325G	Inf	1
27.025M	5.2284G	5.255425G	16.775M	5.2316G	5.248375G	Inf	2
26.7M	5.2287G	5.2554G	16.775M	5.2316G	5.248375G	Inf	3
22M	5.22885G	5.25085G	16.7M	5.231625G	5.248325G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

5240MHz

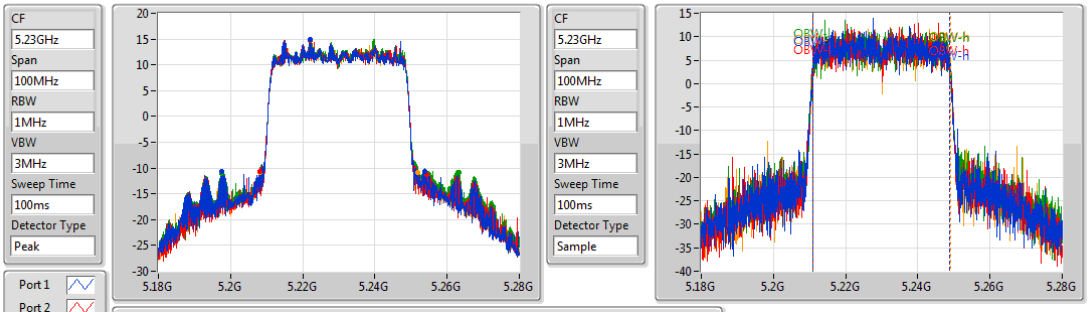


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.225M	5.227975G	5.2542G	19.05M	5.230425G	5.249475G	Inf	1
26.4M	5.22765G	5.25405G	19.025M	5.23045G	5.249475G	Inf	2
25.125M	5.2283G	5.253425G	19.075M	5.23045G	5.249525G	Inf	3
23.5M	5.229125G	5.252625G	19M	5.230475G	5.249475G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

5230MHz

04/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
56.35M	5.1976G	5.25395G	37.9M	5.211G	5.2489G	Inf	1
46.45M	5.208G	5.25445G	37.9M	5.211G	5.2489G	Inf	2
65.65M	5.19755G	5.2632G	37.85M	5.21105G	5.2489G	Inf	3
43.8M	5.20805G	5.25185G	38M	5.21095G	5.24895G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	36.475M	19.04M	19M0D1D	21.425M	18.916M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.15M	37.581M	37M6D1D	40M	37.431M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	81.7M	77.161M	77M2D1D	81.2M	77.061M

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

Result

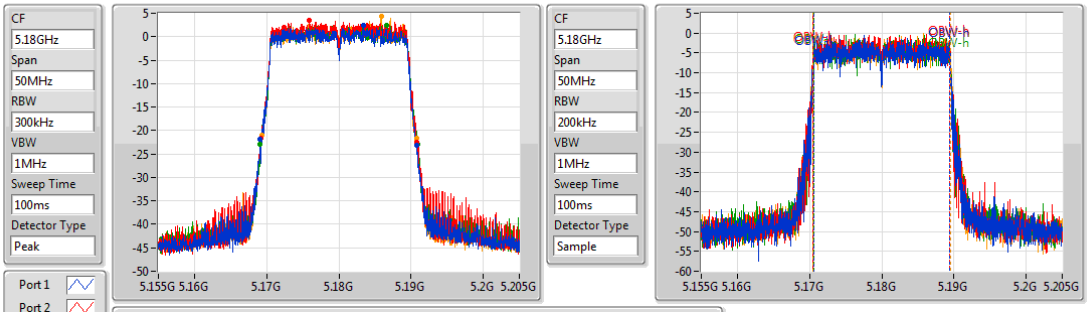
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.675M	18.941M	21.525M	18.966M	21.85M	18.941M	21.425M	18.991M
5200MHz	Pass	Inf	21.7M	18.991M	21.6M	18.941M	21.8M	18.916M	21.5M	18.966M
5240MHz	Pass	Inf	36.45M	18.991M	36.475M	19.04M	29.55M	19.04M	23.525M	18.966M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40M	37.531M	40.05M	37.481M	40.05M	37.531M	40.05M	37.531M
5230MHz	Pass	Inf	40M	37.581M	40.1M	37.581M	40.05M	37.431M	40.15M	37.581M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.7M	77.161M	81.3M	77.161M	81.2M	77.061M	81.4M	77.061M

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

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5180MHz

06/03/2019

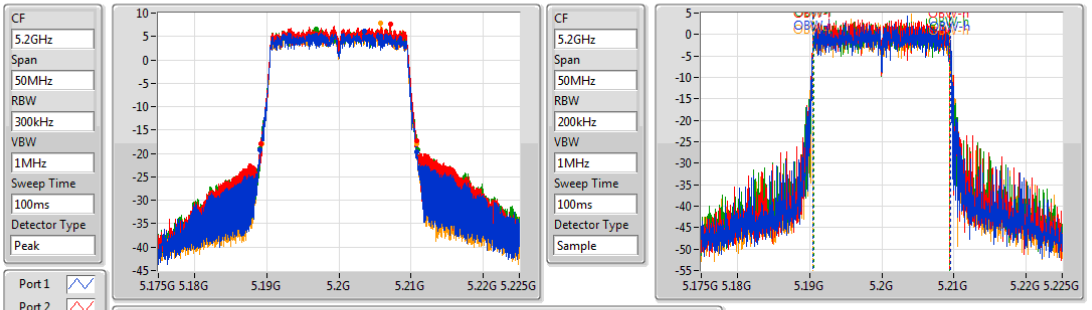


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.169125G	5.1908G	18.941M	5.17053G	5.18947G	Inf	1
21.525M	5.169225G	5.19075G	18.966M	5.170505G	5.18947G	Inf	2
21.85M	5.169075G	5.190925G	18.941M	5.17053G	5.18947G	Inf	3
21.425M	5.169375G	5.1908G	18.991M	5.170505G	5.189495G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5200MHz

06/03/2019

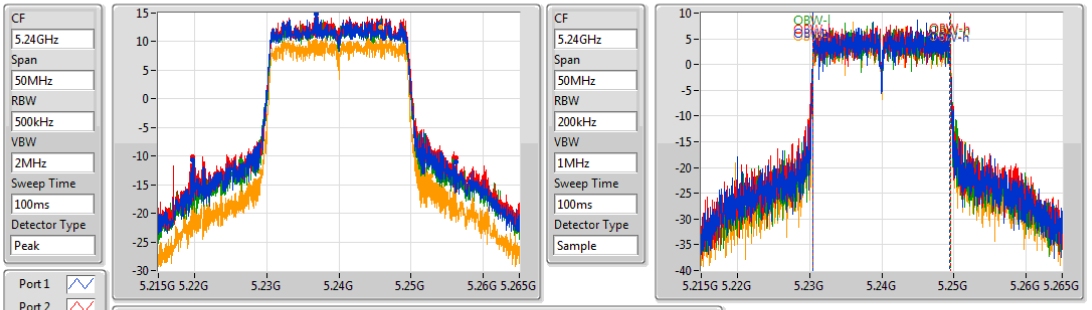


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.7M	5.189125G	5.210825G	18.991M	5.190505G	5.209495G	Inf	1
21.6M	5.1892G	5.2108G	18.941M	5.190505G	5.209445G	Inf	2
21.8M	5.189125G	5.210925G	18.916M	5.19053G	5.209445G	Inf	3
21.5M	5.189325G	5.210825G	18.966M	5.190505G	5.20947G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5240MHz

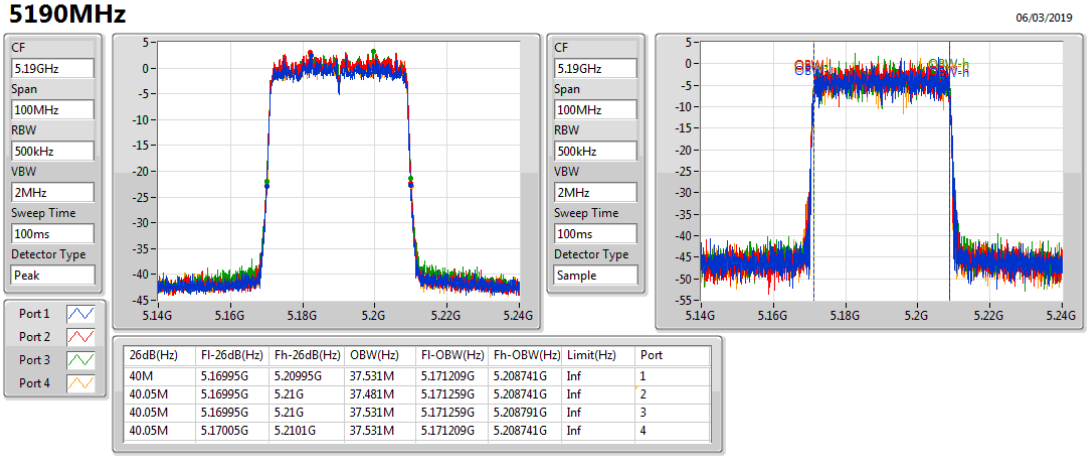
06/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.45M	5.219725G	5.256175G	18.991M	5.23048G	5.24947G	Inf	1
36.475M	5.219725G	5.2562G	19.04M	5.230455G	5.249495G	Inf	2
29.55M	5.226375G	5.255925G	19.04M	5.230455G	5.249495G	Inf	3
23.525M	5.229175G	5.2527G	18.966M	5.230505G	5.24947G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX **EBW**

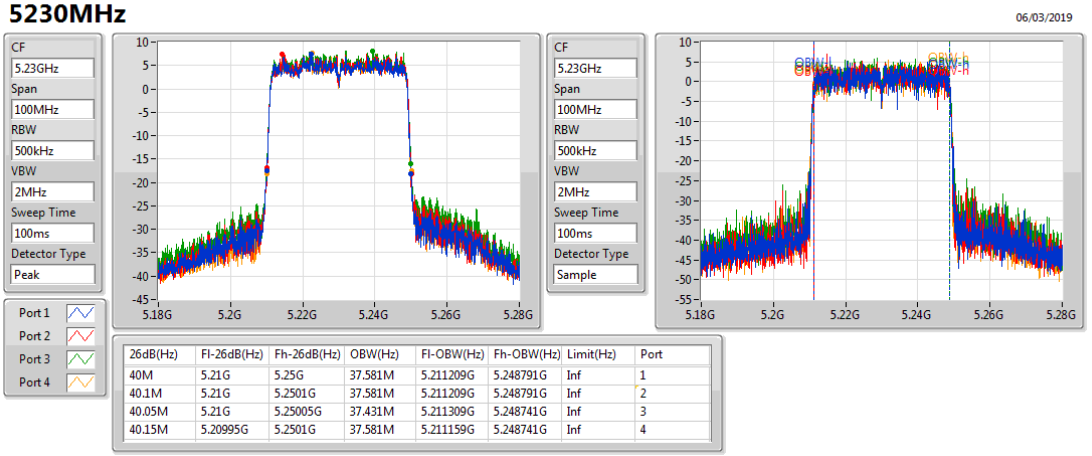
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40M	5.16995G	5.20995G	37.531M	5.171209G	5.208741G	Inf	1
40.05M	5.16995G	5.21G	37.481M	5.171259G	5.208741G	Inf	2
40.05M	5.16995G	5.21G	37.531M	5.171259G	5.208791G	Inf	3
40.05M	5.17005G	5.2101G	37.531M	5.171209G	5.208741G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX **EBW**

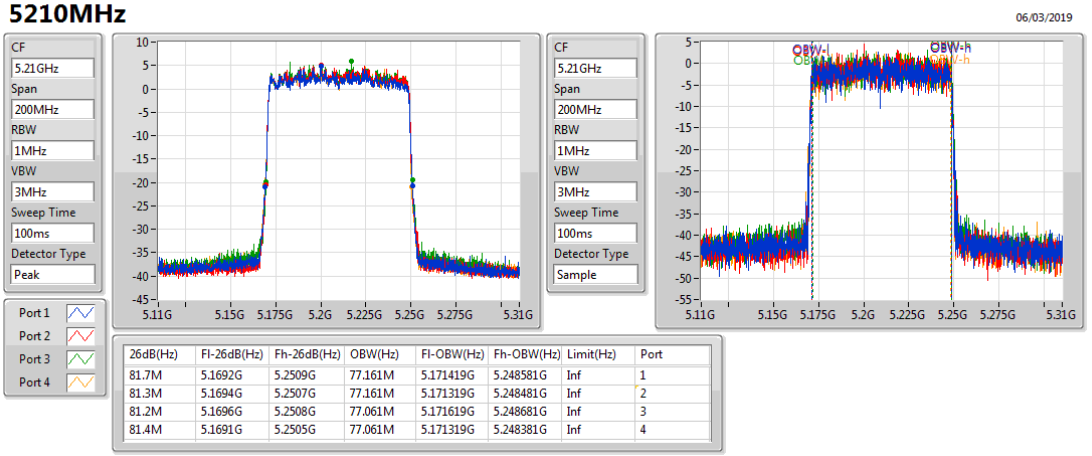
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40M	5.21G	5.25G	37.581M	5.211209G	5.248791G	Inf	1
40.1M	5.21G	5.2501G	37.581M	5.211209G	5.248791G	Inf	2
40.05M	5.21G	5.25005G	37.431M	5.211309G	5.248741G	Inf	3
40.15M	5.20995G	5.2501G	37.581M	5.211159G	5.248741G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX **EBW**

5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.7M	5.1692G	5.2509G	77.161M	5.171419G	5.248581G	Inf	1
81.3M	5.1694G	5.2507G	77.161M	5.171319G	5.248481G	Inf	2
81.2M	5.1696G	5.2508G	77.061M	5.171619G	5.248681G	Inf	3
81.4M	5.1691G	5.2505G	77.061M	5.171319G	5.248381G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	22M	19.025M	19M0D1D	21.4M	18.975M
802.11ax HEW40_Nss4,(MCS0)_4TX	49.9M	37.95M	37M9D1D	41.75M	37.8M

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

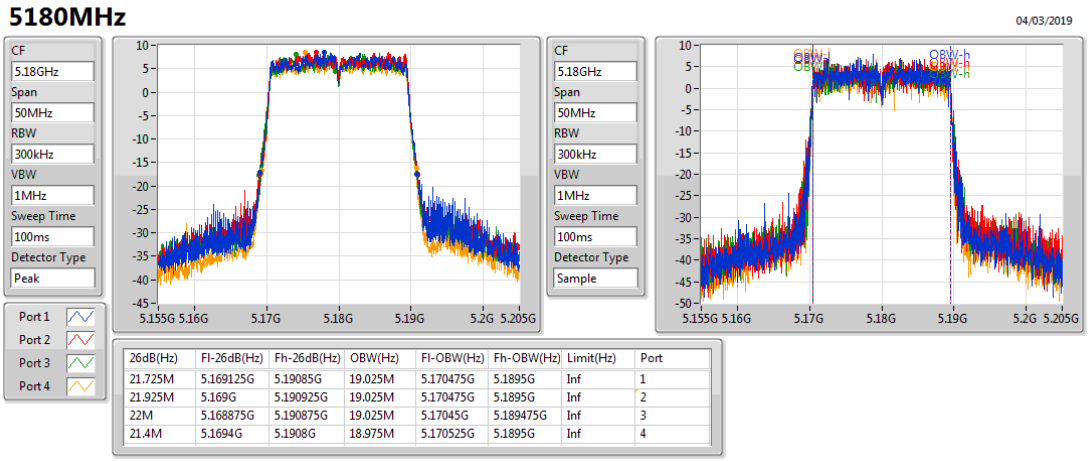
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.725M	19.025M	21.925M	19.025M	22M	19.025M	21.4M	18.975M
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5230MHz	Pass	Inf	49.6M	37.8M	41.75M	37.85M	49.9M	37.95M	49.7M	37.95M

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;

802.11ax HEW20_Nss4,(MCS0)_4TX **EBW**

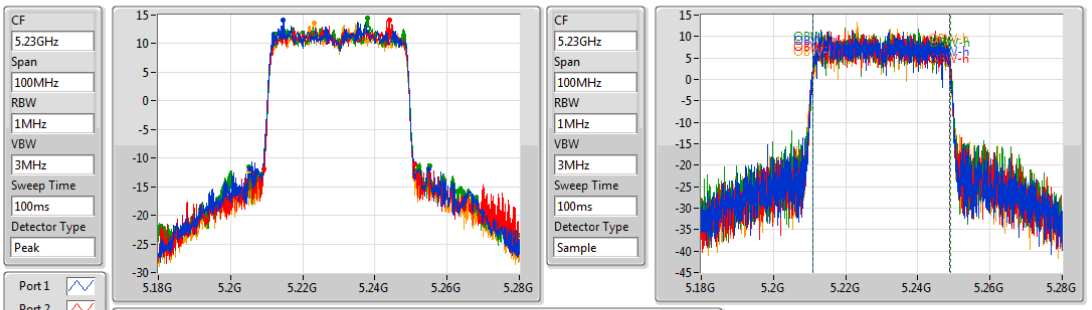
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.169125G	5.19085G	19.025M	5.170475G	5.1895G	Inf	1
21.925M	5.169G	5.190925G	19.025M	5.170475G	5.1895G	Inf	2
22M	5.168875G	5.190875G	19.025M	5.17045G	5.189475G	Inf	3
21.4M	5.1694G	5.1908G	18.975M	5.170525G	5.1895G	Inf	4

802.11ax HEW40_Nss4,(MCS0)_4TX **EBW**

5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
49.6M	5.20525G	5.25485G	37.8M	5.21105G	5.24885G	Inf	1
41.75M	5.2093G	5.25105G	37.85M	5.21105G	5.2489G	Inf	2
49.9M	5.2052G	5.2551G	37.95M	5.21105G	5.249G	Inf	3
49.7M	5.2052G	5.2549G	37.95M	5.21095G	5.2489G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.5M	16.617M	16M6D1D	21.475M	16.567M

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

Result

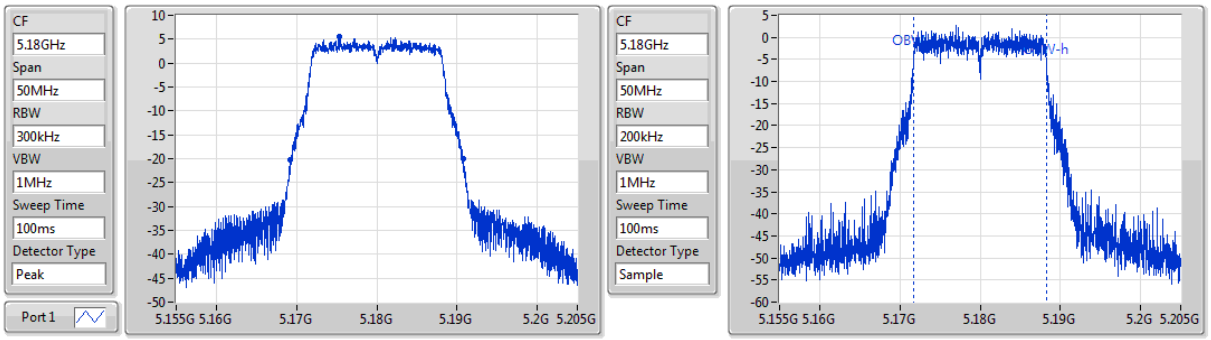
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.475M	16.567M
5200MHz	Pass	Inf	21.5M	16.617M
5240MHz	Pass	Inf	21.475M	16.567M

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)_1TX EBW

5180MHz

23/02/2019

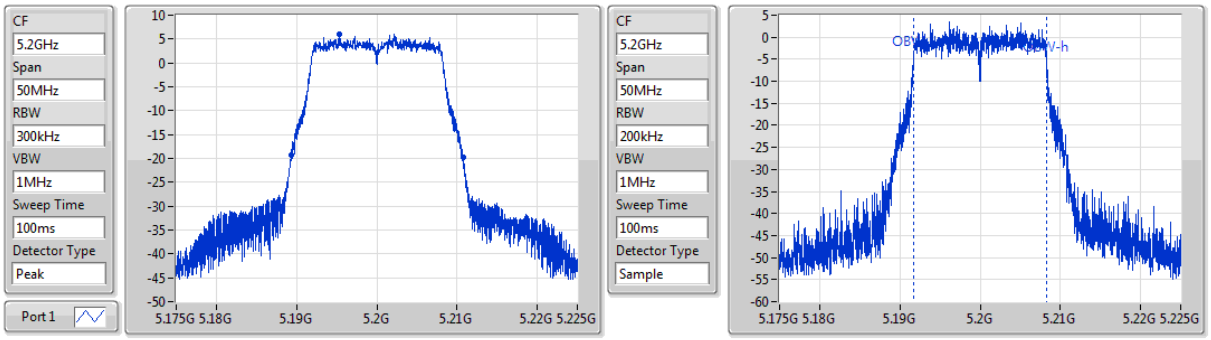


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.475M	5.169275G	5.19075G	16.567M	5.171704G	5.188271G	Inf	1

802.11a_Nss1,(6Mbps)_1TX EBW

5200MHz

23/02/2019

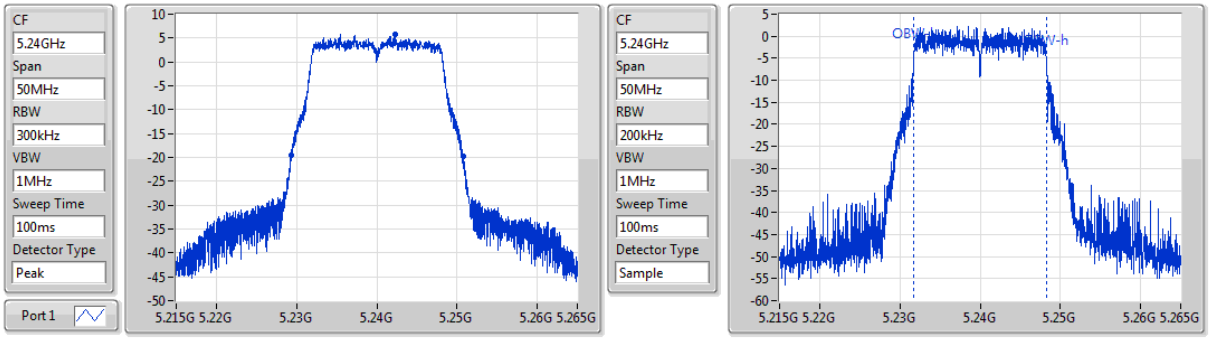


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.5M	5.1893G	5.2108G	16.617M	5.191679G	5.208296G	Inf	1

802.11a_Nss1,(6Mbps)_1TX EBW

5240MHz

23/02/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.475M	5.2293G	5.250775G	16.567M	5.231704G	5.248271G	Inf	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	21.725M	18.966M	19M0D1D	21.6M	18.916M
802.11ax HEW40_Nss1,(MCS0)_1TX	39.95M	37.581M	37M6D1D	39.9M	37.531M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.4M	76.962M	77M0D1D	81.4M	76.962M

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

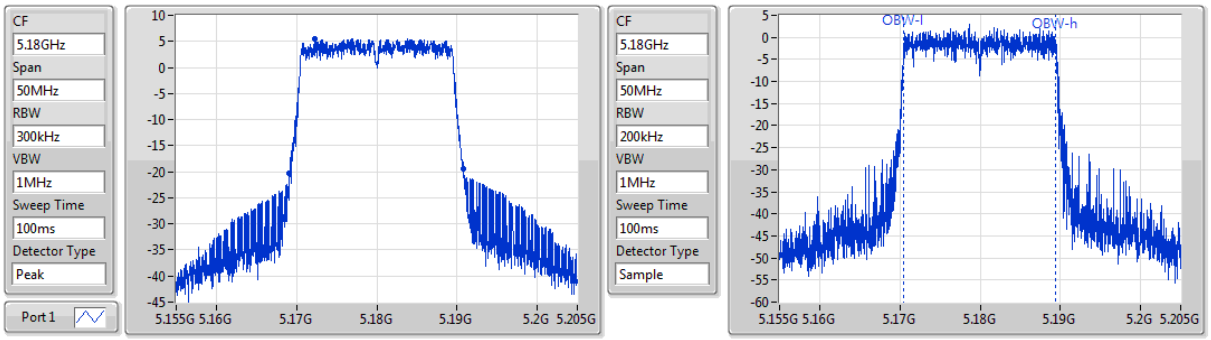
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.725M	18.966M
5200MHz	Pass	Inf	21.7M	18.966M
5240MHz	Pass	Inf	21.6M	18.916M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	39.95M	37.581M
5230MHz	Pass	Inf	39.9M	37.531M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	81.4M	76.962M

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

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

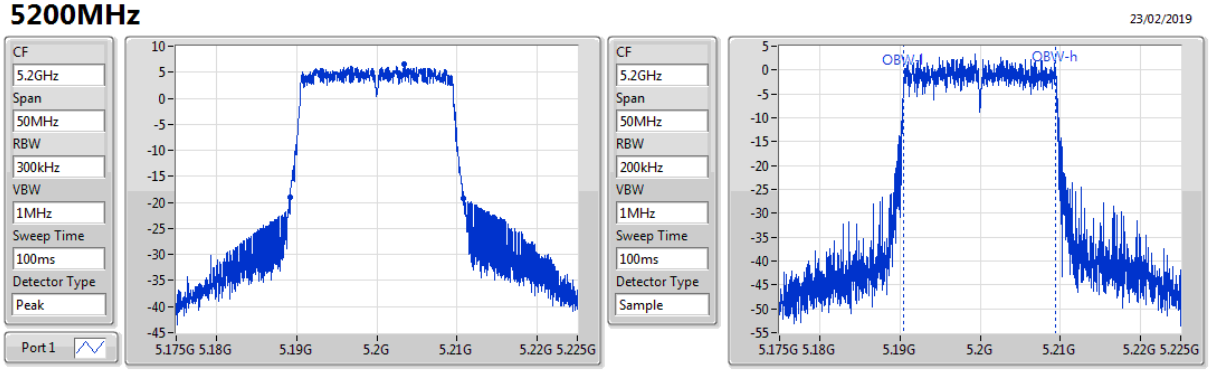
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.169075G	5.1908G	18.966M	5.170505G	5.18947G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

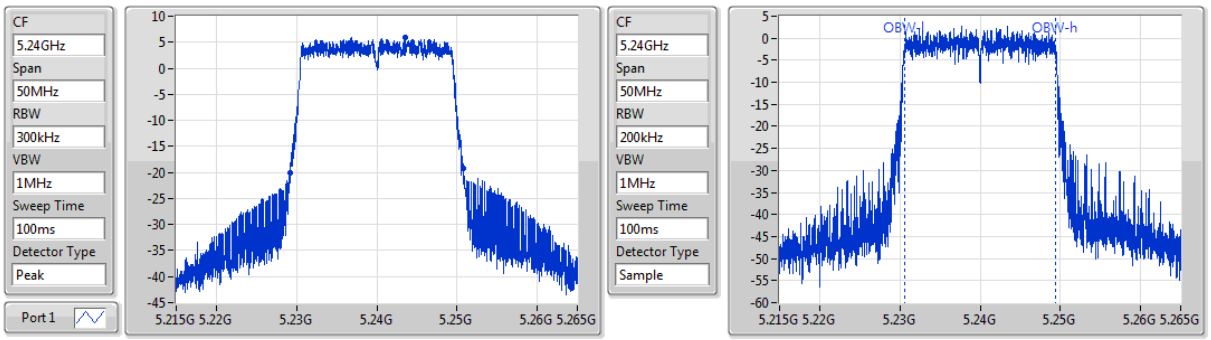
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.7M	5.18915G	5.21085G	18.966M	5.190505G	5.20947G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

5240MHz

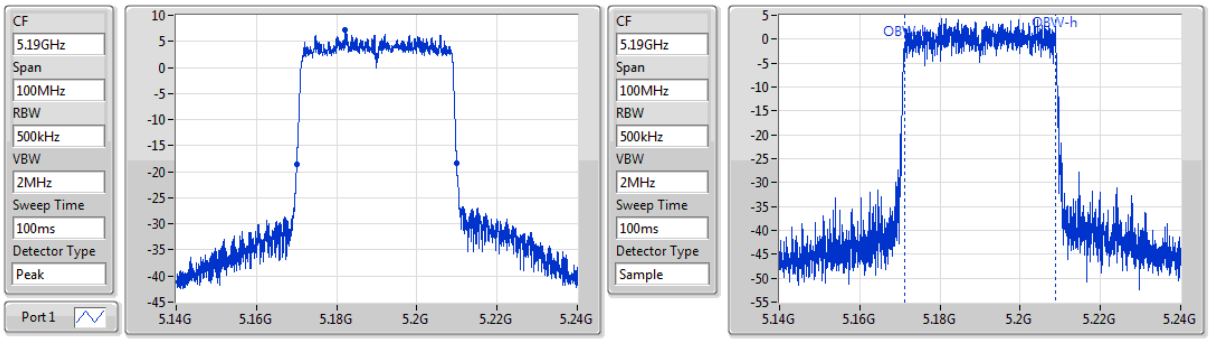


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.22915G	5.25075G	18.916M	5.23053G	5.249445G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX **EBW**

5190MHz

23/02/2019

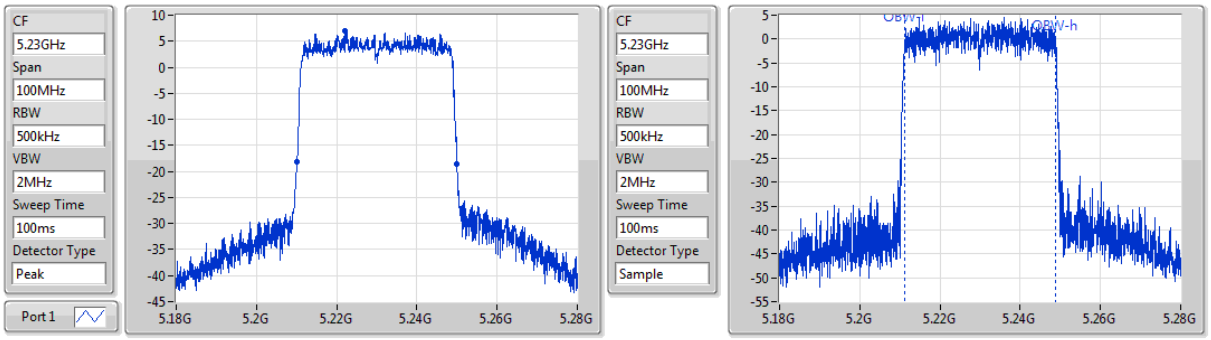


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.95M	5.17005G	5.21G	37.581M	5.171209G	5.208791G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX **EBW**

5230MHz

23/02/2019

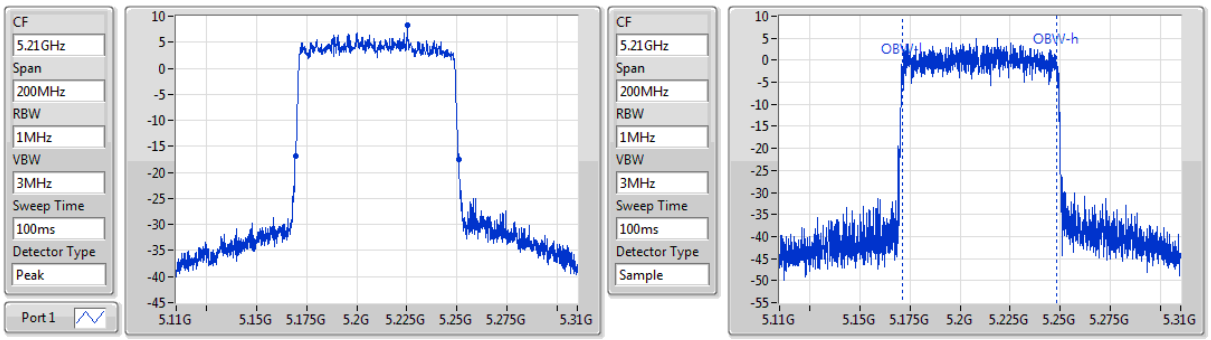


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.9M	5.2101G	5.25G	37.531M	5.211259G	5.248791G	Inf	1

802.11ax HEW80_Nss1,(MCS0)_1TX **EBW**

5210MHz

23/02/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.4M	5.1694G	5.2508G	76.962M	5.171419G	5.248381G	Inf	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	21.9M	18.966M	19M0D1D	21.375M	18.916M
802.11ax HEW40_Nss2,(MCS0)_2TX	40M	37.631M	37M6D1D	40M	37.481M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.6M	76.962M	77M0D1D	81.5M	76.962M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.675M	18.966M	21.575M	18.941M
5200MHz	Pass	Inf	21.9M	18.941M	21.375M	18.941M
5240MHz	Pass	Inf	21.9M	18.916M	21.45M	18.966M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40M	37.581M	40M	37.531M
5230MHz	Pass	Inf	40M	37.481M	40M	37.631M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.5M	76.962M	81.6M	76.962M

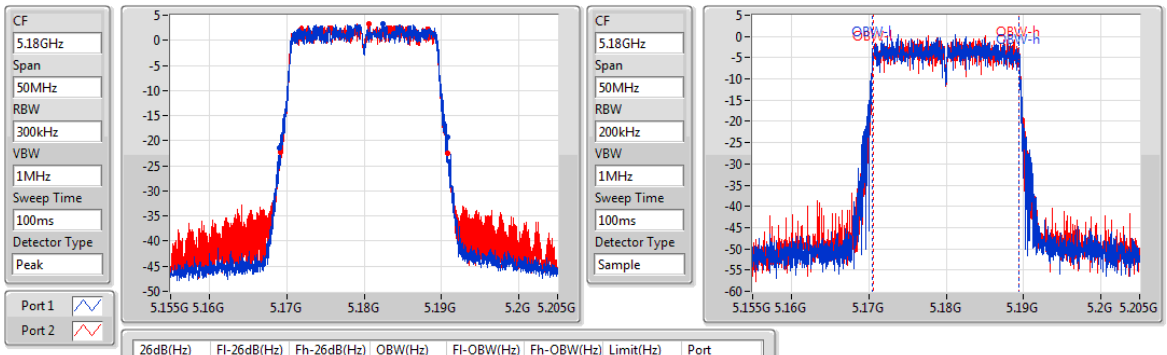
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5180MHz

23/02/2019



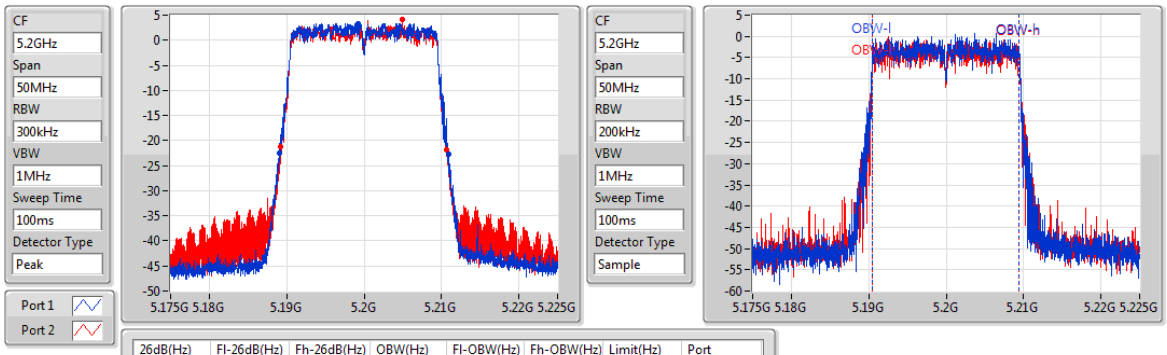
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.1691G	5.190775G	18.966M	5.17048G	5.189445G	Inf	1
21.575M	5.169175G	5.19075G	18.941M	5.17053G	5.18947G	Inf	2

802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5200MHz

23/02/2019



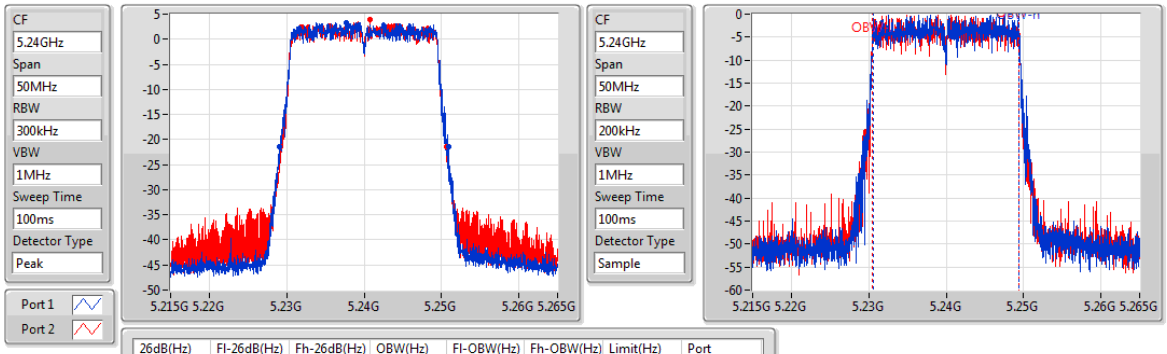
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	5.189G	5.2109G	18.941M	5.190505G	5.209445G	Inf	1
21.375M	5.189275G	5.21065G	18.941M	5.190505G	5.209445G	Inf	2

802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5240MHz

23/02/2019

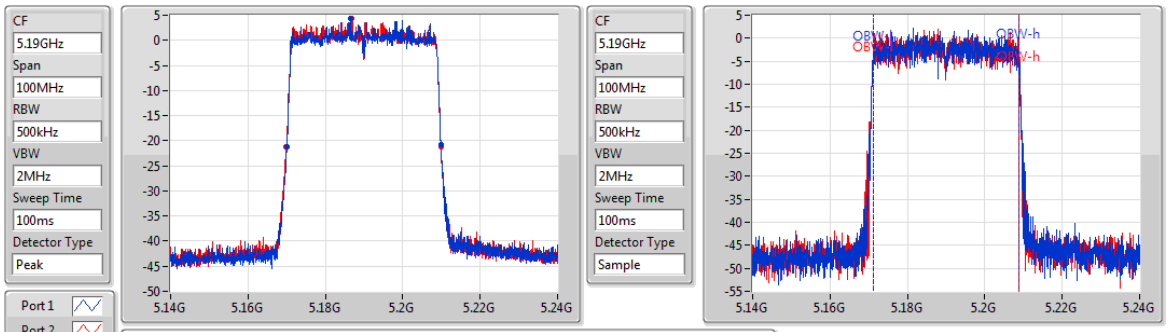


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	5.22905G	5.25095G	18.916M	5.23053G	5.249445G	Inf	1
21.45M	5.229225G	5.250675G	18.966M	5.230505G	5.24947G	Inf	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

5190MHz

23/02/2019

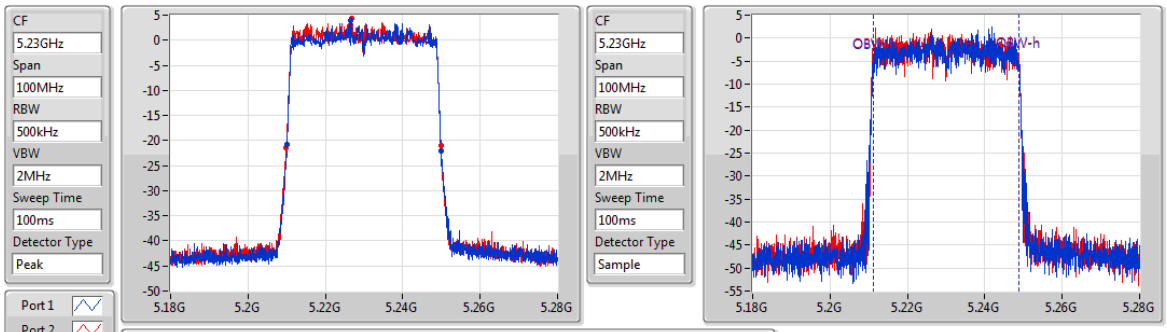


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40M	5.16995G	5.20995G	37.581M	5.171209G	5.208791G	Inf	1
40M	5.1699G	5.2099G	37.531M	5.171159G	5.208691G	Inf	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

5230MHz

23/02/2019

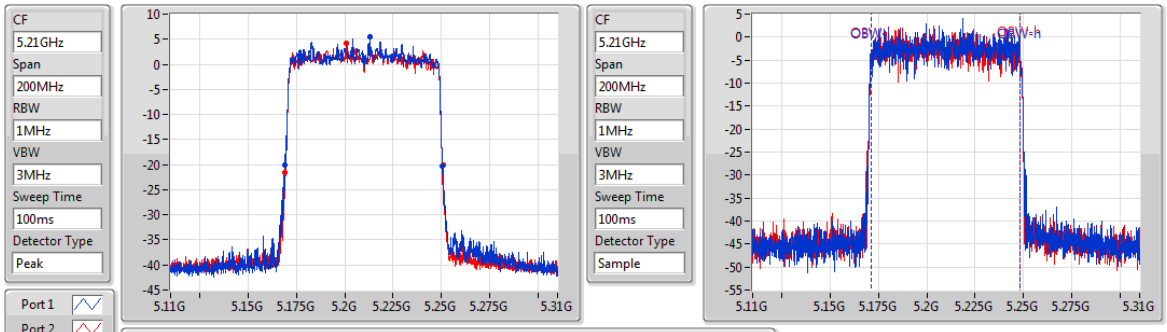


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40M	5.21G	5.25G	37.481M	5.211209G	5.248691G	Inf	1
40M	5.2099G	5.2499G	37.631M	5.211109G	5.248741G	Inf	2

802.11ax HEW80_Nss2,(MCS0)_2TX EBW

5210MHz

23/02/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.5M	5.169G	5.2505G	76.962M	5.171419G	5.248381G	Inf	1
81.6M	5.1691G	5.2507G	76.962M	5.171419G	5.248381G	Inf	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)_4TX	21.675M	16.592M	16M6D1D	21.425M	16.492M

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

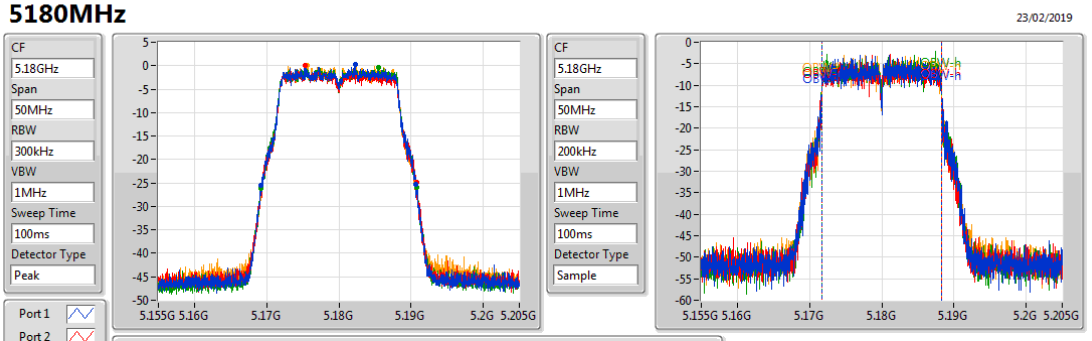
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.425M	16.542M	21.625M	16.542M	21.675M	16.567M	21.475M	16.492M
5200MHz	Pass	Inf	21.6M	16.567M	21.575M	16.542M	21.6M	16.567M	21.45M	16.517M
5240MHz	Pass	Inf	21.6M	16.567M	21.55M	16.592M	21.625M	16.567M	21.5M	16.517M

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

802.11a_Nss1,(6Mbps)_4TX **EBW**

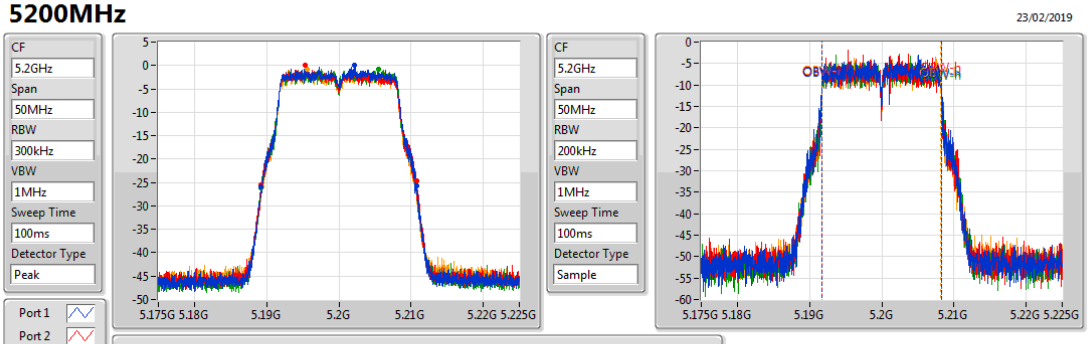
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.425M	5.16925G	5.190675G	16.542M	5.171704G	5.188246G	Inf	1
21.625M	5.1692G	5.190825G	16.542M	5.171704G	5.188246G	Inf	2
21.675M	5.16915G	5.190825G	16.567M	5.171704G	5.188271G	Inf	3
21.475M	5.169225G	5.1907G	16.492M	5.171729G	5.188221G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

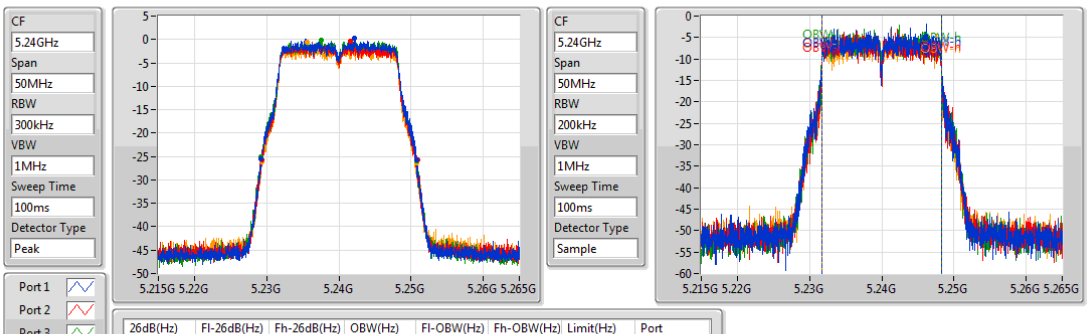
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.189225G	5.210825G	16.567M	5.191679G	5.208246G	Inf	1
21.575M	5.189225G	5.2108G	16.542M	5.191704G	5.208246G	Inf	2
21.6M	5.189175G	5.210775G	16.567M	5.191704G	5.208271G	Inf	3
21.45M	5.1893G	5.21075G	16.517M	5.191679G	5.208196G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.2292G	5.2508G	16.567M	5.231679G	5.248246G	Inf	1
21.55M	5.22935G	5.2509G	16.592M	5.231679G	5.248271G	Inf	2
21.625M	5.229175G	5.2508G	16.567M	5.231679G	5.248246G	Inf	3
21.5M	5.2293G	5.2508G	16.517M	5.231704G	5.248221G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	21.825M	18.991M	19M0D1D	21.375M	18.916M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.15M	37.681M	37M7D1D	39.85M	37.481M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.4M	77.161M	77M2D1D	80.9M	76.962M

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

Result

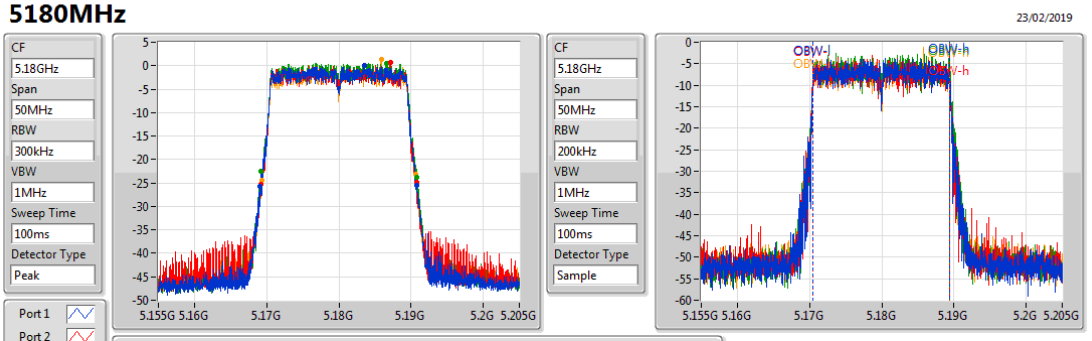
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.75M	18.941M	21.625M	18.966M	21.625M	18.966M	21.375M	18.966M
5200MHz	Pass	Inf	21.75M	18.916M	21.6M	18.941M	21.825M	18.966M	21.425M	18.966M
5240MHz	Pass	Inf	21.575M	18.966M	21.65M	18.991M	21.775M	18.941M	21.4M	18.991M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.85M	37.681M	40.1M	37.581M	40M	37.581M	40.15M	37.481M
5230MHz	Pass	Inf	39.95M	37.531M	40.05M	37.581M	40M	37.531M	40.05M	37.531M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.4M	76.962M	81.2M	77.161M	80.9M	77.061M	81.3M	77.061M

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;

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5180MHz

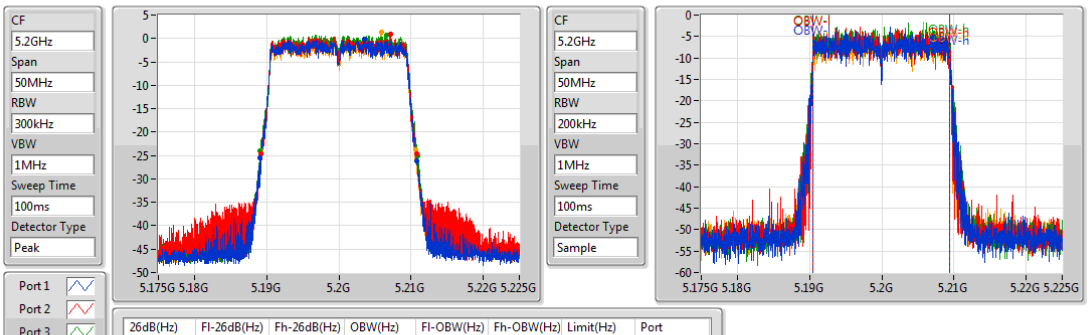


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.169075G	5.190825G	18.941M	5.170505G	5.189445G	Inf	1
21.625M	5.16915G	5.190775G	18.966M	5.17048G	5.189445G	Inf	2
21.625M	5.1692G	5.190825G	18.966M	5.170505G	5.18947G	Inf	3
21.375M	5.169325G	5.1907G	18.966M	5.17048G	5.189445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5200MHz

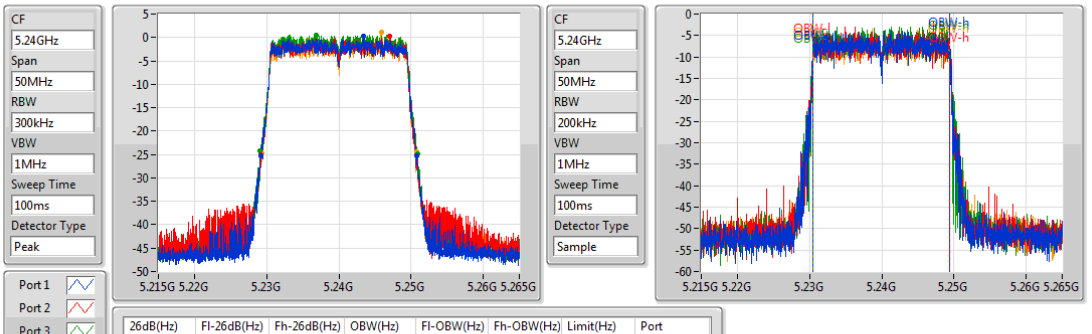


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.1891G	5.21085G	18.916M	5.190505G	5.20942G	Inf	1
21.6M	5.189175G	5.210775G	18.941M	5.190505G	5.209445G	Inf	2
21.825M	5.1891G	5.210925G	18.966M	5.19048G	5.209445G	Inf	3
21.425M	5.189275G	5.2107G	18.966M	5.19048G	5.209445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5240MHz

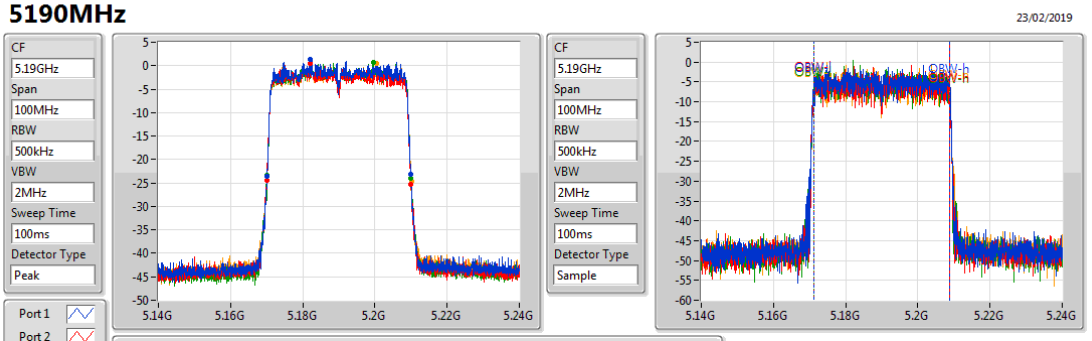


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.575M	5.22915G	5.250725G	18.966M	5.23048G	5.249445G	Inf	1
21.65M	5.229175G	5.250825G	18.991M	5.23048G	5.24947G	Inf	2
21.775M	5.2291G	5.250875G	18.941M	5.230505G	5.249445G	Inf	3
21.4M	5.22935G	5.25075G	18.991M	5.23048G	5.24947G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5190MHz

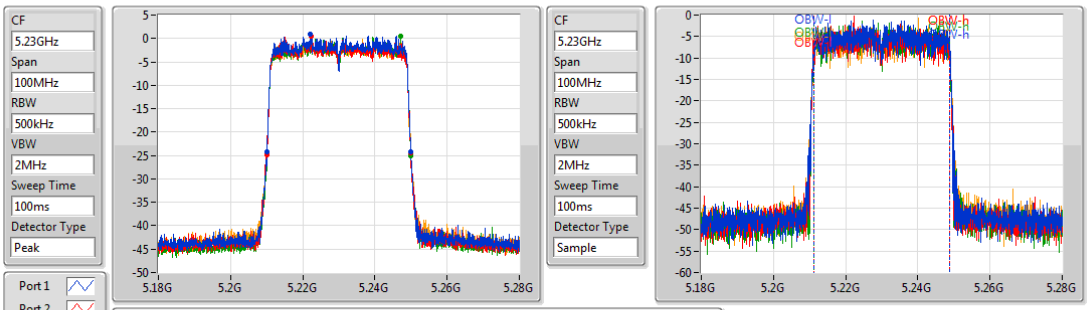


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.85M	5.17005G	5.2099G	37.681M	5.171109G	5.208791G	Inf	1
40.1M	5.16995G	5.21005G	37.581M	5.171109G	5.208691G	Inf	2
40M	5.17005G	5.21005G	37.581M	5.171159G	5.208741G	Inf	3
40.15M	5.16995G	5.2101G	37.481M	5.171209G	5.208691G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5230MHz

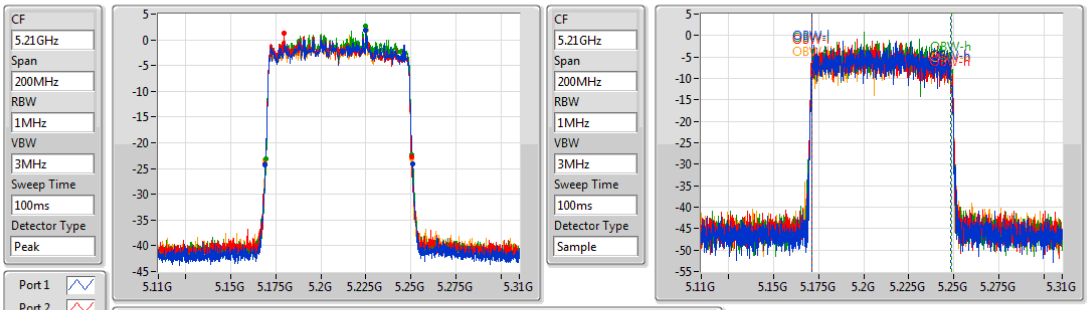


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.95M	5.21005G	5.25G	37.531M	5.211209G	5.248741G	Inf	1
40.05M	5.20995G	5.25G	37.581M	5.211159G	5.248741G	Inf	2
40M	5.21G	5.25G	37.531M	5.211209G	5.248741G	Inf	3
40.05M	5.21G	5.25005G	37.531M	5.211209G	5.248741G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.4M	5.1693G	5.2507G	76.962M	5.171419G	5.248381G	Inf	1
81.2M	5.1693G	5.2505G	77.161M	5.171219G	5.248381G	Inf	2
80.9M	5.1697G	5.2506G	77.061M	5.171419G	5.248481G	Inf	3
81.3M	5.1693G	5.2506G	77.061M	5.171419G	5.248481G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.85M	19.015M	19M0D1D	21.425M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.25M	37.631M	37M6D1D	39.85M	37.481M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.7M	77.261M	77M3D1D	81M	76.962M

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

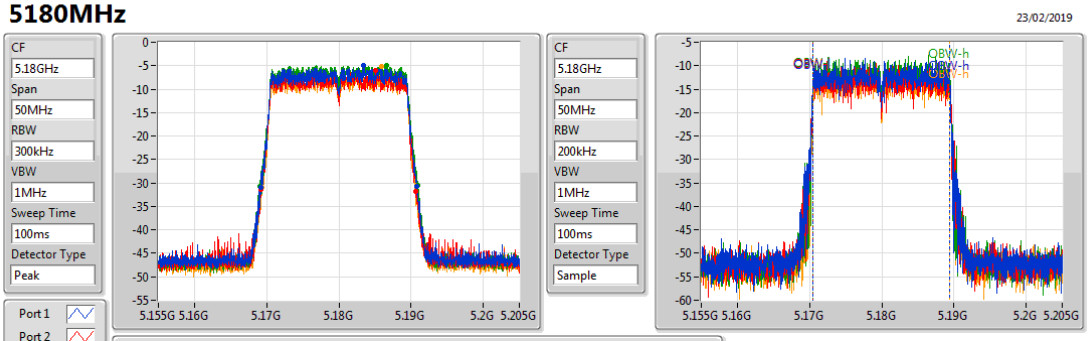
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.675M	18.941M	21.55M	19.015M	21.85M	18.941M	21.5M	18.941M
5200MHz	Pass	Inf	21.75M	18.966M	21.625M	18.966M	21.825M	18.941M	21.475M	18.966M
5240MHz	Pass	Inf	21.675M	18.941M	21.65M	18.966M	21.8M	18.966M	21.425M	18.966M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.85M	37.531M	40.15M	37.631M	40.05M	37.631M	40.2M	37.531M
5230MHz	Pass	Inf	40M	37.531M	40.05M	37.481M	40.1M	37.531M	40.25M	37.581M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.6M	77.261M	81M	77.061M	81.6M	77.061M	81.7M	76.962M

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

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

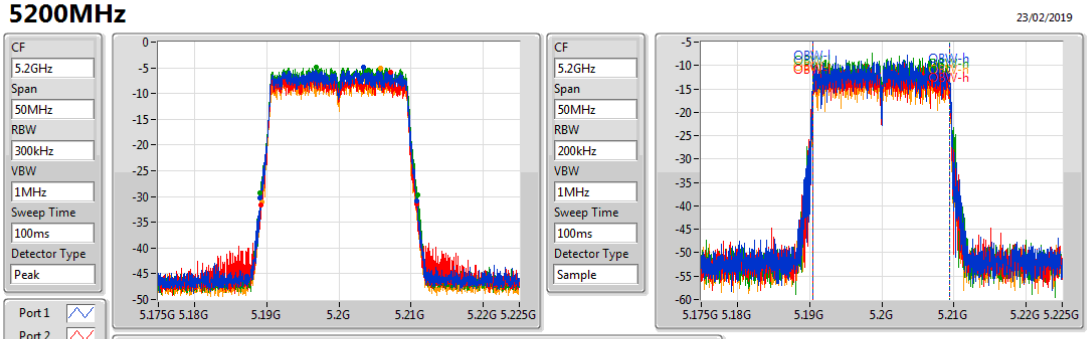
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.16915G	5.190825G	18.941M	5.17048G	5.18942G	Inf	1
21.55M	5.16915G	5.1907G	19.015M	5.170455G	5.18947G	Inf	2
21.85M	5.1691G	5.19095G	18.941M	5.170505G	5.189445G	Inf	3
21.5M	5.1693G	5.1908G	18.941M	5.170505G	5.189445G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

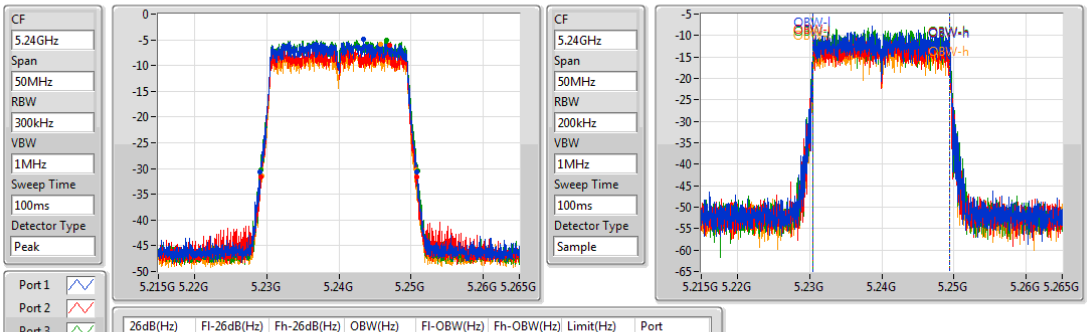
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.189075G	5.210825G	18.966M	5.19048G	5.209445G	Inf	1
21.625M	5.1892G	5.210825G	18.966M	5.19048G	5.209445G	Inf	2
21.825M	5.189075G	5.2109G	18.941M	5.190505G	5.209445G	Inf	3
21.475M	5.189325G	5.2108G	18.966M	5.19048G	5.209445G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

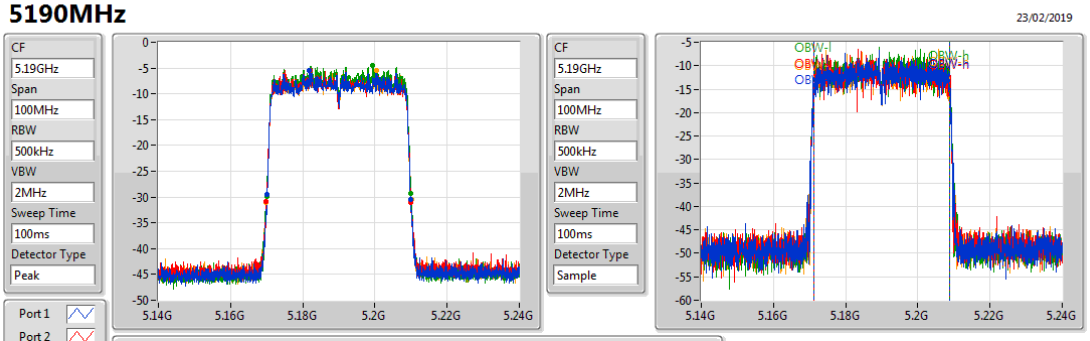
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.229125G	5.2508G	18.941M	5.230505G	5.249445G	Inf	1
21.65M	5.22915G	5.2508G	18.966M	5.23048G	5.249445G	Inf	2
21.8M	5.22915G	5.25095G	18.966M	5.23048G	5.249445G	Inf	3
21.425M	5.2293G	5.250725G	18.966M	5.23048G	5.249445G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

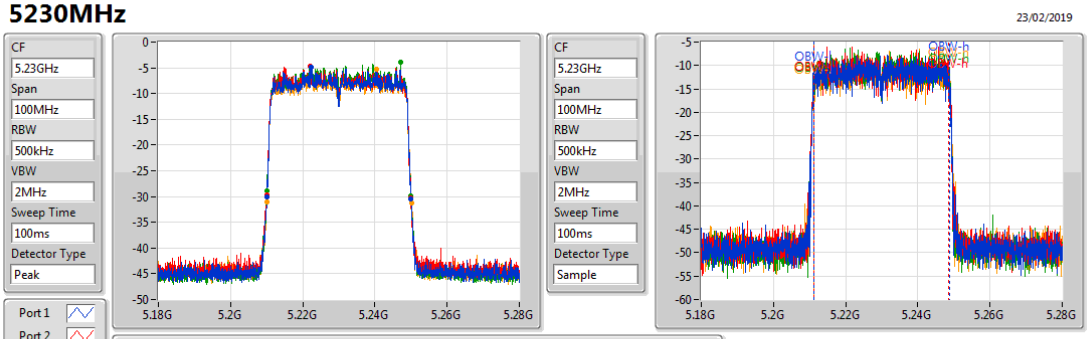
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.85M	5.1701G	5.20995G	37.531M	5.171159G	5.208691G	Inf	1
40.15M	5.1699G	5.21005G	37.631M	5.171159G	5.208791G	Inf	2
40.05M	5.16995G	5.21G	37.631M	5.171159G	5.208791G	Inf	3
40.2M	5.1699G	5.2101G	37.531M	5.171209G	5.208741G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

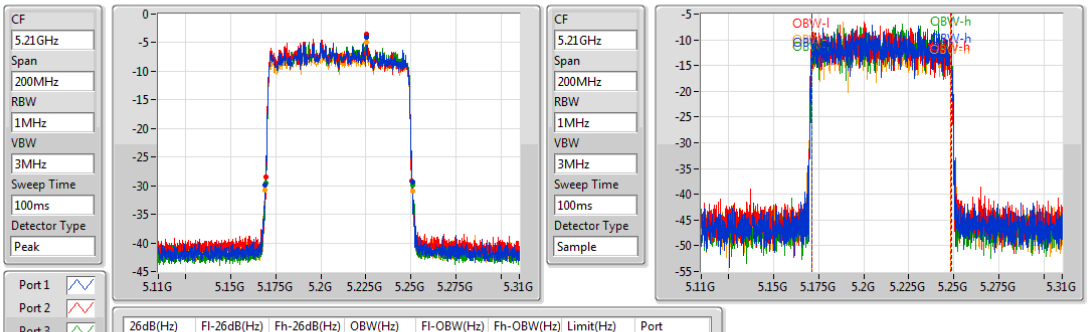
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40M	5.21G	5.25G	37.531M	5.211159G	5.248691G	Inf	1
40.05M	5.20995G	5.25G	37.481M	5.211159G	5.248641G	Inf	2
40.1M	5.20995G	5.25005G	37.531M	5.211209G	5.248741G	Inf	3
40.25M	5.20995G	5.2502G	37.581M	5.211159G	5.248741G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.6M	5.1692G	5.2508G	77.261M	5.171319G	5.248581G	Inf	1
81M	5.1695G	5.2505G	77.061M	5.171319G	5.248381G	Inf	2
81.6M	5.1694G	5.251G	77.061M	5.171419G	5.248481G	Inf	3
81.7M	5.1691G	5.2508G	76.962M	5.171419G	5.248381G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	21.9M	18.991M	19M0D1D	21.325M	18.916M
802.11ax HEW40_Nss4,(MCS0)_4TX	40.15M	37.631M	37M6D1D	40.05M	37.431M
802.11ax HEW80_Nss4,(MCS0)_4TX	81.9M	76.962M	77M0D1D	81M	76.962M

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

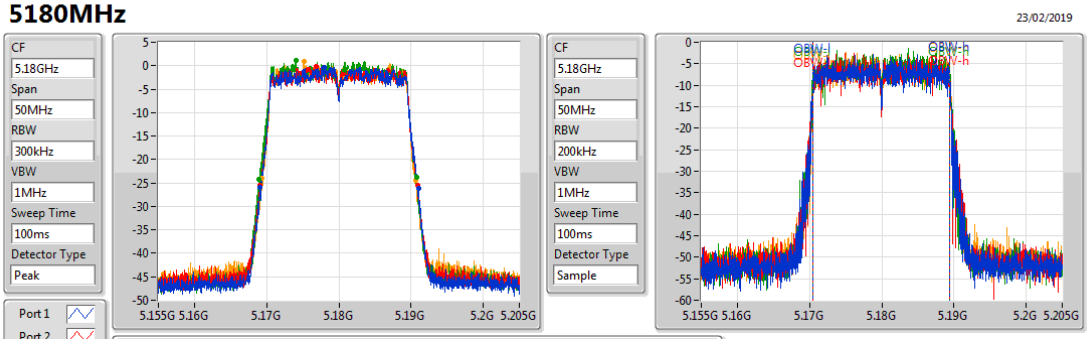
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.9M	18.916M	21.775M	18.966M	21.775M	18.966M	21.35M	18.966M
5200MHz	Pass	Inf	21.825M	18.916M	21.85M	18.916M	21.75M	18.941M	21.325M	18.991M
5240MHz	Pass	Inf	21.875M	18.966M	21.55M	18.941M	21.8M	18.941M	21.375M	18.941M
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.1M	37.631M	40.05M	37.431M	40.15M	37.481M	40.1M	37.581M
5230MHz	Pass	Inf	40.1M	37.531M	40.15M	37.581M	40.1M	37.481M	40.1M	37.581M
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.2M	76.962M	81M	76.962M	81.8M	76.962M	81.9M	76.962M

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

802.11ax HEW20_Nss4,(MCS0)_4TX **EBW**

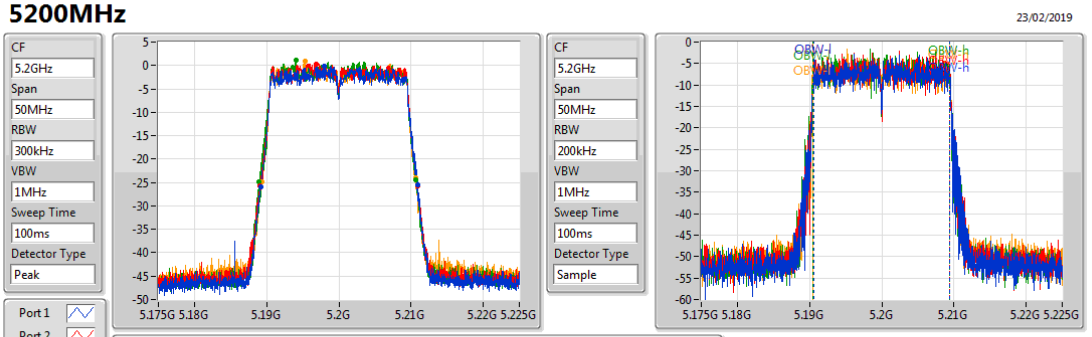
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	5.169125G	5.191025G	18.916M	5.170505G	5.18942G	Inf	1
21.775M	5.169125G	5.1909G	18.966M	5.17048G	5.189445G	Inf	2
21.775M	5.168975G	5.19075G	18.966M	5.17048G	5.189445G	Inf	3
21.35M	5.16935G	5.1907G	18.966M	5.17048G	5.189445G	Inf	4

802.11ax HEW20_Nss4,(MCS0)_4TX **EBW**

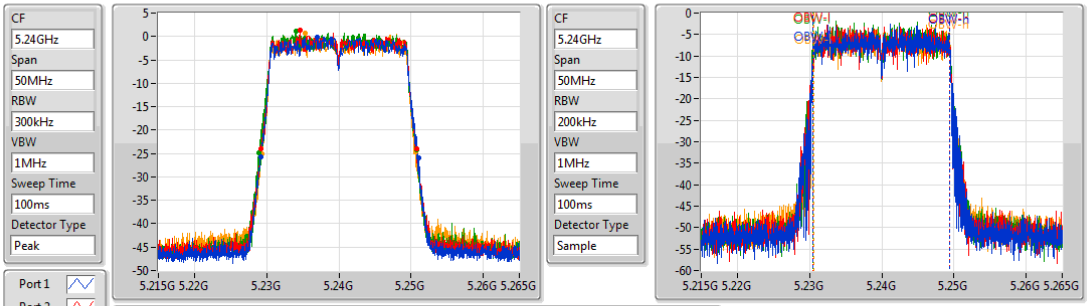
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.825M	5.18915G	5.210975G	18.916M	5.19053G	5.209445G	Inf	1
21.85M	5.189075G	5.210925G	18.916M	5.19053G	5.209445G	Inf	2
21.75M	5.18895G	5.2107G	18.941M	5.19048G	5.20942G	Inf	3
21.325M	5.189325G	5.21065G	18.991M	5.190455G	5.209445G	Inf	4

802.11ax HEW20_Nss4,(MCS0)_4TX **EBW**

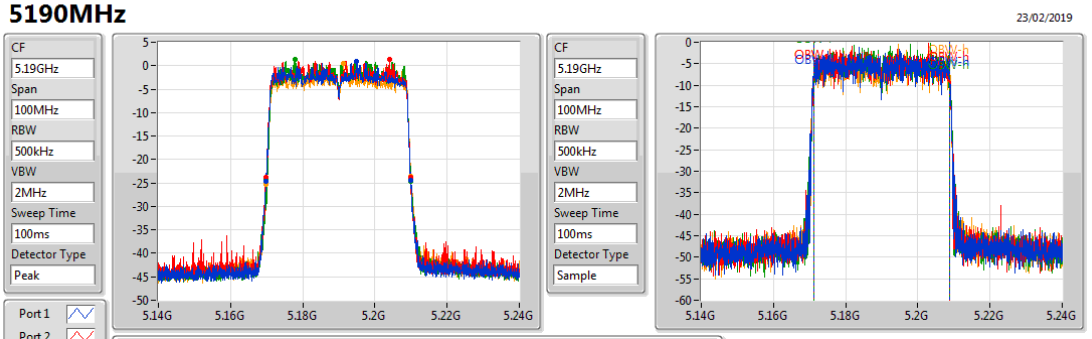
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.875M	5.229175G	5.25105G	18.966M	5.23048G	5.249445G	Inf	1
21.55M	5.229225G	5.250775G	18.941M	5.230505G	5.249445G	Inf	2
21.8M	5.228925G	5.250725G	18.941M	5.23048G	5.24942G	Inf	3
21.375M	5.2293G	5.250675G	18.941M	5.23053G	5.24947G	Inf	4

802.11ax HEW40_Nss4,(MCS0)_4TX EBW

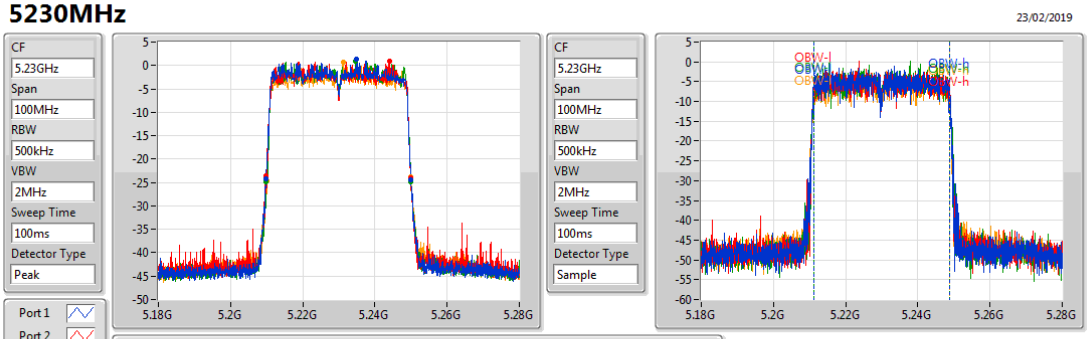
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.1698G	5.2099G	37.631M	5.171109G	5.208741G	Inf	1
40.05M	5.16985G	5.2099G	37.431M	5.171259G	5.208691G	Inf	2
40.15M	5.1699G	5.21005G	37.481M	5.171209G	5.208691G	Inf	3
40.1M	5.1699G	5.21G	37.581M	5.171209G	5.208791G	Inf	4

802.11ax HEW40_Nss4,(MCS0)_4TX EBW

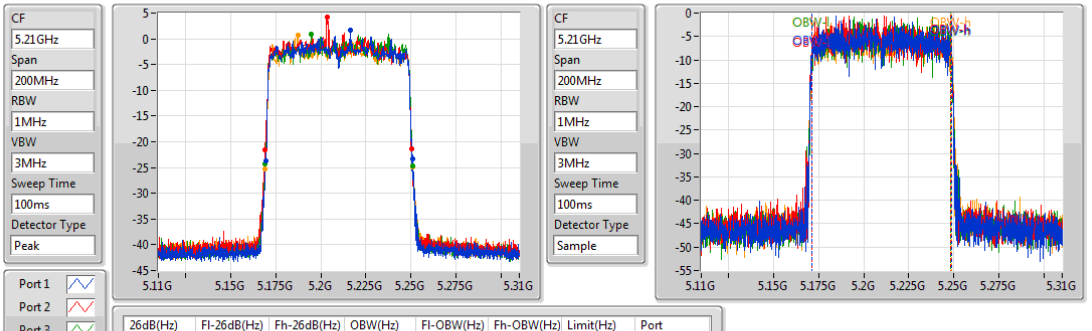
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.2098G	5.2499G	37.531M	5.211209G	5.248741G	Inf	1
40.15M	5.2098G	5.24995G	37.581M	5.211159G	5.248741G	Inf	2
40.1M	5.2099G	5.25G	37.481M	5.211309G	5.248791G	Inf	3
40.1M	5.20995G	5.25005G	37.581M	5.211209G	5.248791G	Inf	4

802.11ax HEW80_Nss4,(MCS0)_4TX EBW

5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.2M	5.1696G	5.2508G	76.962M	5.171519G	5.248481G	Inf	1
81M	5.1692G	5.2502G	76.962M	5.171419G	5.248381G	Inf	2
81.8M	5.1691G	5.2509G	76.962M	5.171419G	5.248381G	Inf	3
81.9M	5.1691G	5.251G	76.962M	5.171519G	5.248481G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.575M	16.592M	16M6D1D	21.475M	16.567M

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

Result

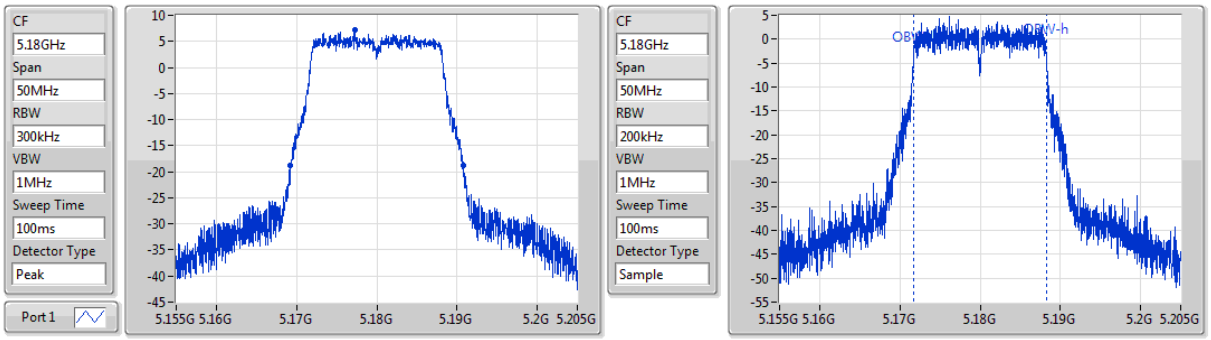
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.55M	16.592M
5200MHz	Pass	Inf	21.575M	16.567M
5240MHz	Pass	Inf	21.475M	16.592M

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)_1TX **EBW**

5180MHz

23/02/2019

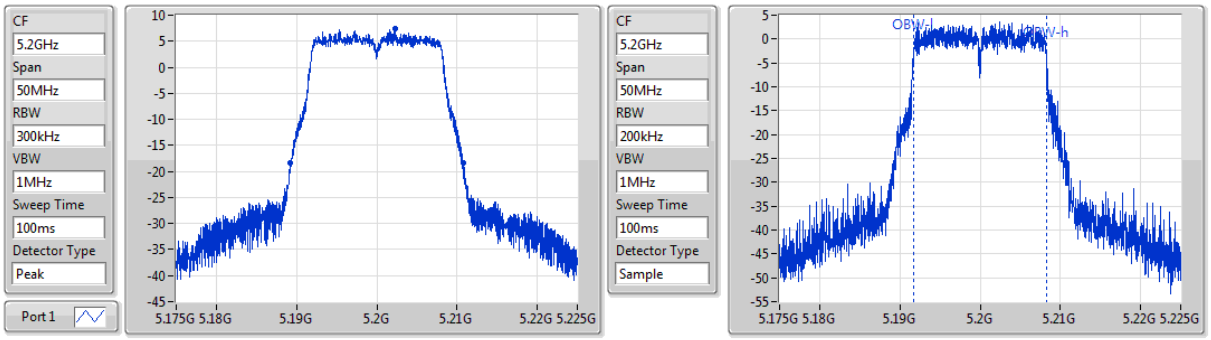


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.55M	5.16925G	5.1908G	16.592M	5.171704G	5.188296G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

5200MHz

23/02/2019

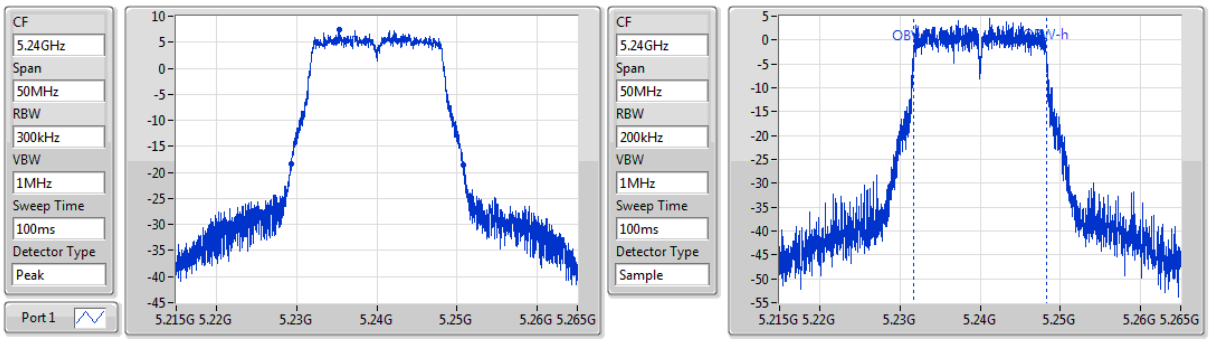


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.575M	5.18925G	5.210825G	16.567M	5.191679G	5.208246G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

5240MHz

23/02/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.475M	5.229325G	5.2508G	16.592M	5.231679G	5.248271G	Inf	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	23.075M	18.966M	19M0D1D	21.7M	18.941M
802.11ax HEW40_Nss1,(MCS0)_1TX	40M	37.581M	37M6D1D	40M	37.531M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.8M	77.161M	77M2D1D	81.8M	77.161M

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

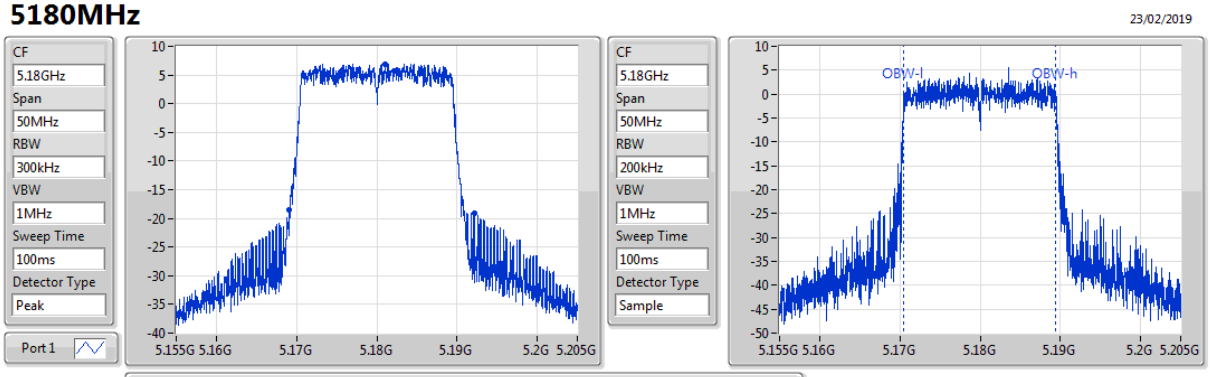
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	23.075M	18.966M
5200MHz	Pass	Inf	21.7M	18.966M
5240MHz	Pass	Inf	21.7M	18.941M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	40M	37.531M
5230MHz	Pass	Inf	40M	37.581M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	81.8M	77.161M

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;

802.11ax HEW20_Nss1,(MCS0)_1TX **EBW**

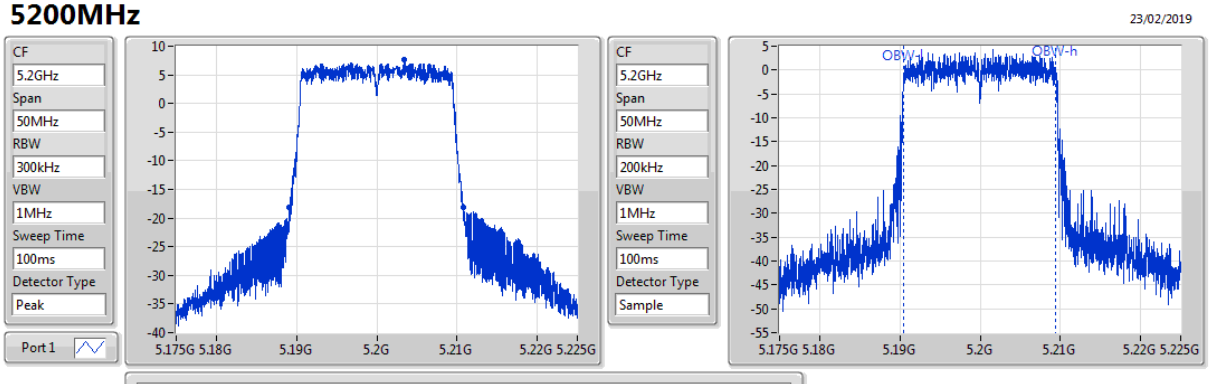
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.075M	5.1691G	5.192175G	18.966M	5.170505G	5.18947G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX **EBW**

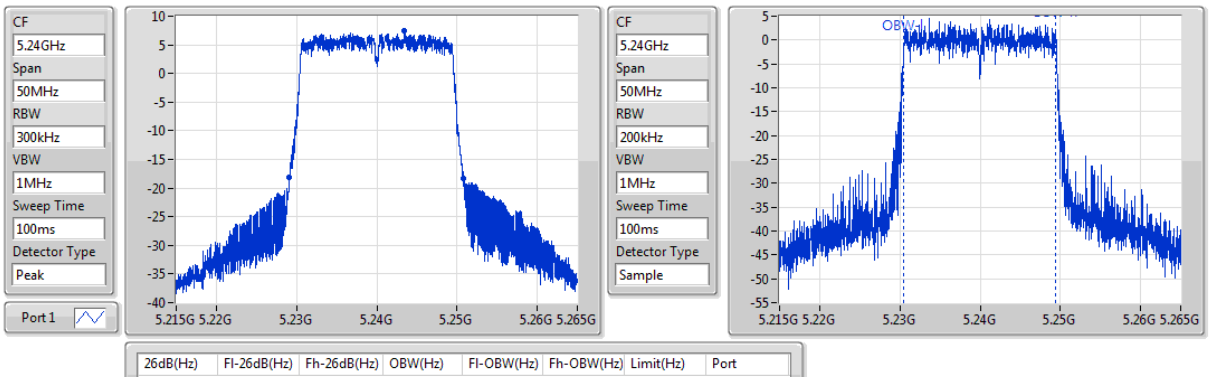
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.7M	5.1891G	5.2108G	18.966M	5.190505G	5.20947G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX **EBW**

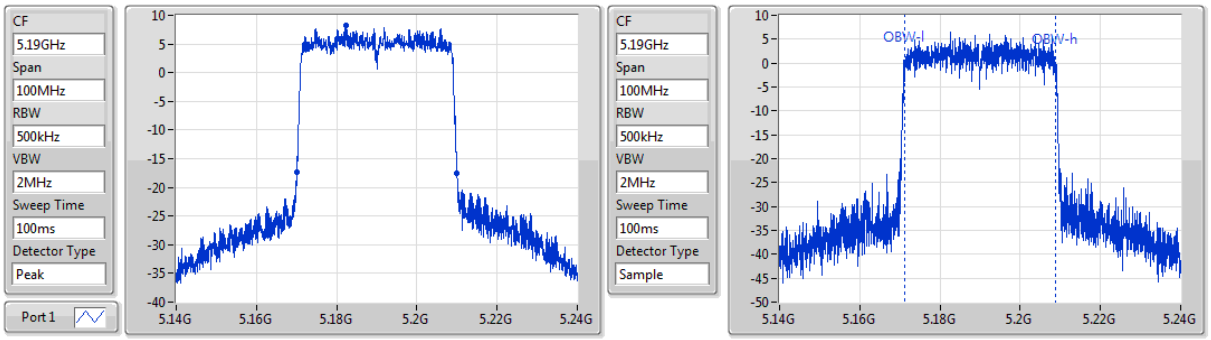
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.7M	5.229125G	5.250825G	18.941M	5.230505G	5.249445G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX **EBW**

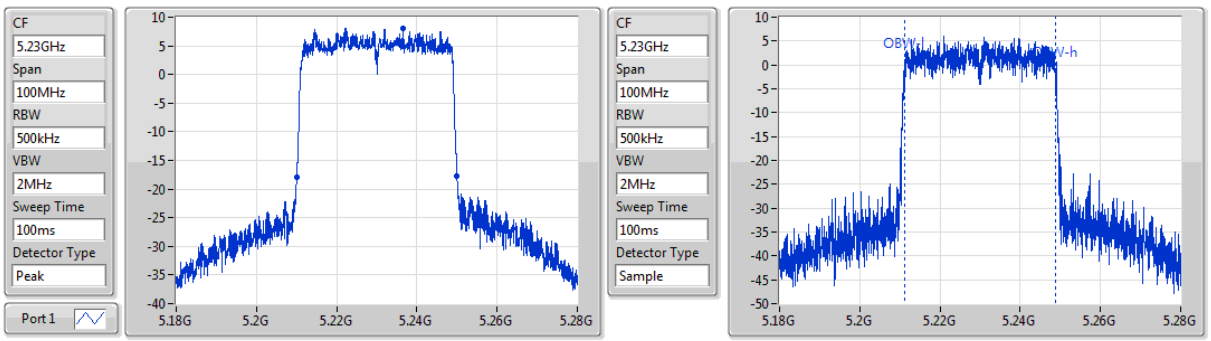
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40M	5.17005G	5.21005G	37.531M	5.171209G	5.208741G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX **EBW**

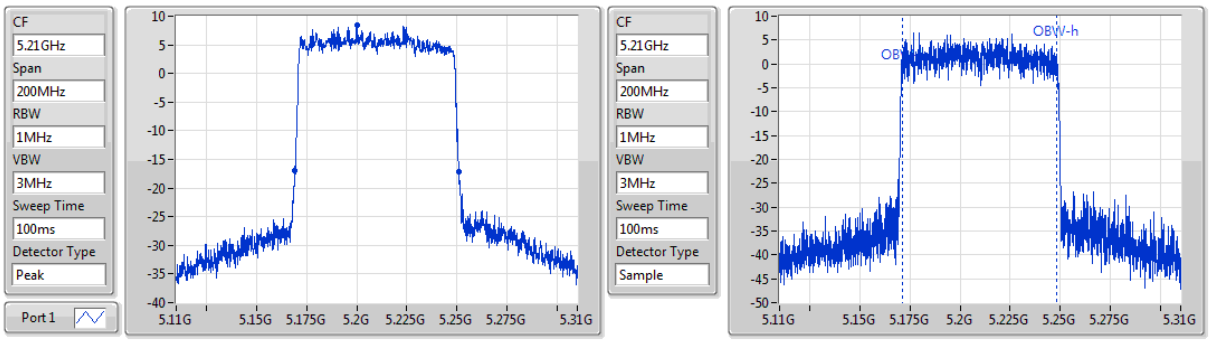
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40M	5.21G	5.25G	37.581M	5.211209G	5.248791G	Inf	1

802.11ax HEW80_Nss1,(MCS0)_1TX **EBW**

5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.8M	5.1692G	5.251G	77.161M	5.171219G	5.248381G	Inf	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	21.8M	19.015M	19M0D1D	21.575M	18.941M
802.11ax HEW40_Nss2,(MCS0)_2TX	40.1M	37.581M	37M6D1D	39.95M	37.531M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.7M	77.161M	77M2D1D	81.2M	77.061M

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

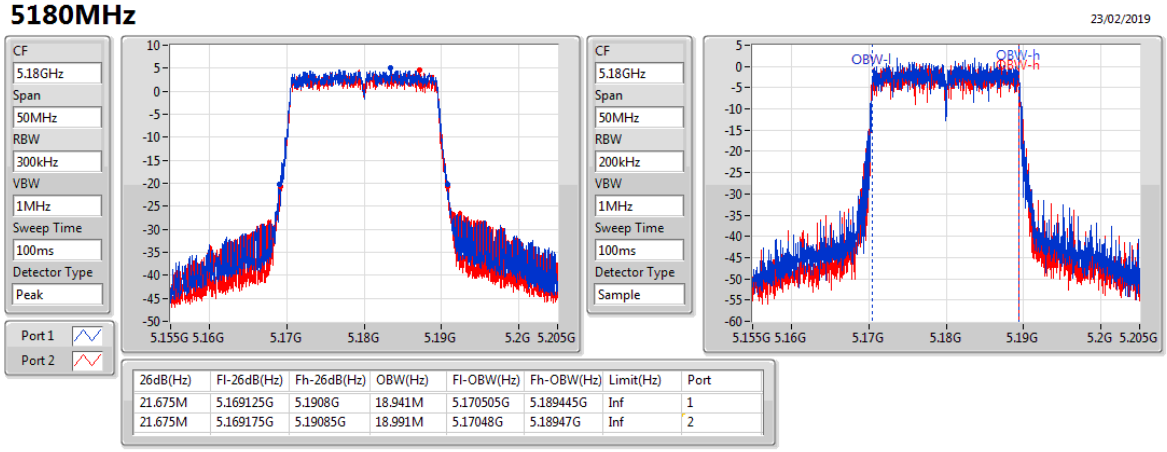
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.675M	18.941M	21.675M	18.991M
5200MHz	Pass	Inf	21.7M	19.015M	21.7M	18.991M
5240MHz	Pass	Inf	21.8M	18.966M	21.575M	18.966M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.95M	37.581M	40.1M	37.581M
5230MHz	Pass	Inf	39.95M	37.581M	40M	37.531M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.7M	77.061M	81.2M	77.161M

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;

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

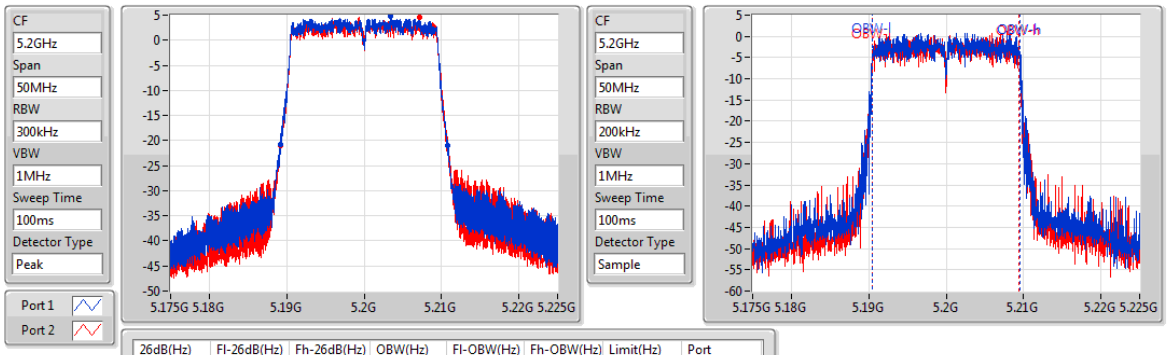
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.169125G	5.1908G	18.941M	5.170505G	5.189445G	Inf	1
21.675M	5.169175G	5.19085G	18.991M	5.17048G	5.18947G	Inf	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

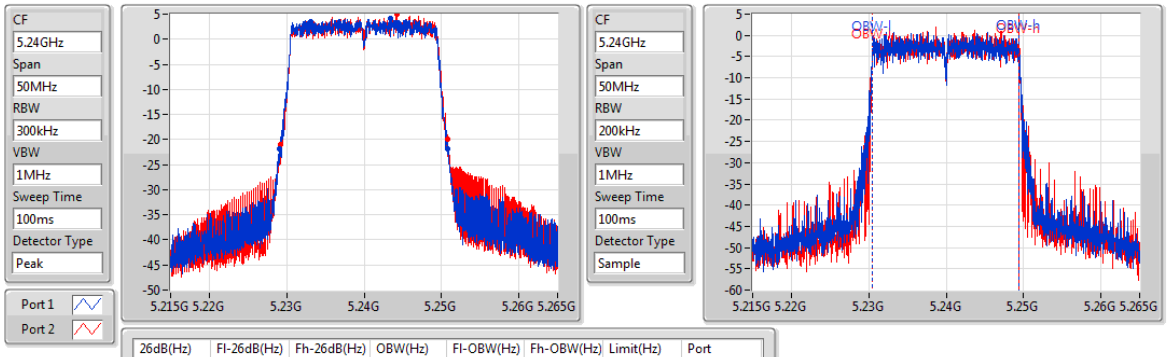
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.7M	5.18915G	5.21085G	19.015M	5.19048G	5.209495G	Inf	1
21.7M	5.18915G	5.21085G	18.991M	5.19048G	5.20947G	Inf	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

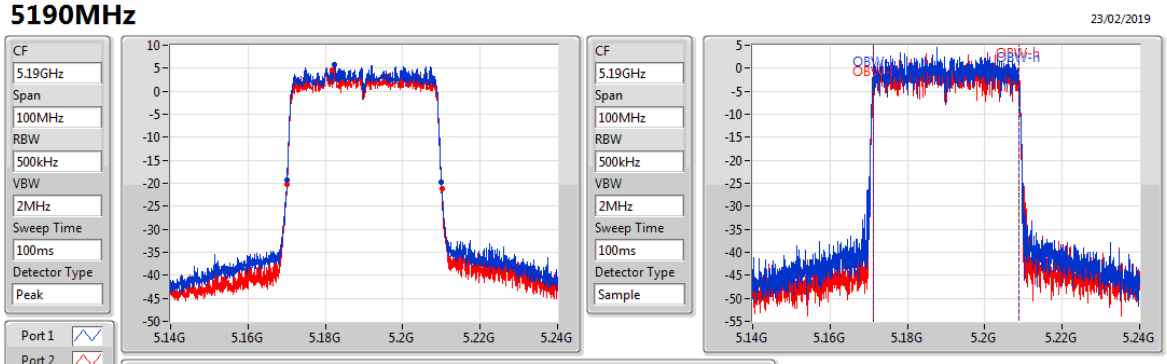
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.8M	5.22905G	5.25085G	18.966M	5.23048G	5.249445G	Inf	1
21.575M	5.2292G	5.250775G	18.966M	5.230505G	5.24947G	Inf	2

802.11ax HEW40_Nss2,(MCS0)_2TX **EBW**

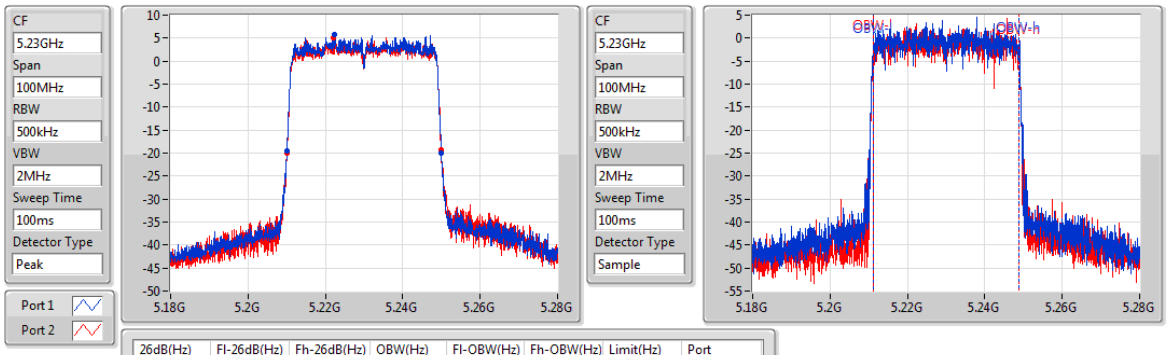
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.95M	5.17005G	5.21G	37.581M	5.171159G	5.208741G	Inf	1
40.1M	5.17G	5.2101G	37.581M	5.171209G	5.208791G	Inf	2

802.11ax HEW40_Nss2,(MCS0)_2TX **EBW**

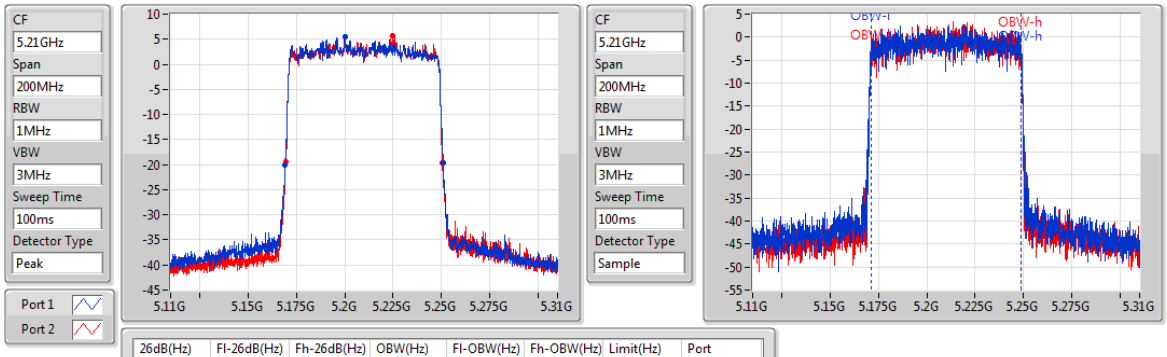
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.95M	5.21005G	5.25G	37.581M	5.211209G	5.248791G	Inf	1
40M	5.21G	5.25G	37.531M	5.211209G	5.248741G	Inf	2

802.11ax HEW80_Nss2,(MCS0)_2TX **EBW**

5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.7M	5.1692G	5.2509G	77.061M	5.171419G	5.248481G	Inf	1
81.2M	5.1694G	5.2506G	77.161M	5.171319G	5.248481G	Inf	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)_4TX	21.725M	16.617M	16M6D1D	21.425M	16.492M

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

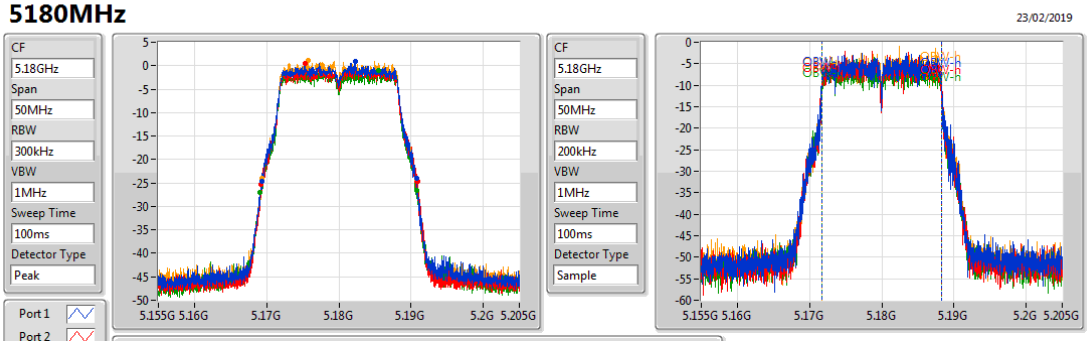
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.45M	16.567M	21.675M	16.592M	21.725M	16.617M	21.45M	16.517M
5200MHz	Pass	Inf	21.425M	16.592M	21.6M	16.492M	21.625M	16.592M	21.45M	16.492M
5240MHz	Pass	Inf	21.5M	16.542M	21.5M	16.567M	21.675M	16.567M	21.475M	16.567M

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

802.11a_Nss1,(6Mbps)_4TX **EBW**

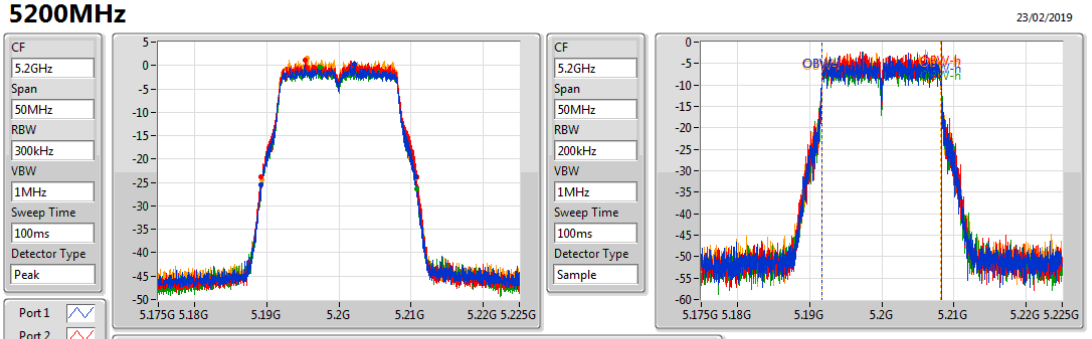
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.1693G	5.19075G	16.567M	5.171704G	5.188271G	Inf	1
21.675M	5.1692G	5.190875G	16.592M	5.171679G	5.188271G	Inf	2
21.725M	5.169125G	5.19085G	16.617M	5.171679G	5.188296G	Inf	3
21.45M	5.16935G	5.1908G	16.517M	5.171704G	5.188221G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

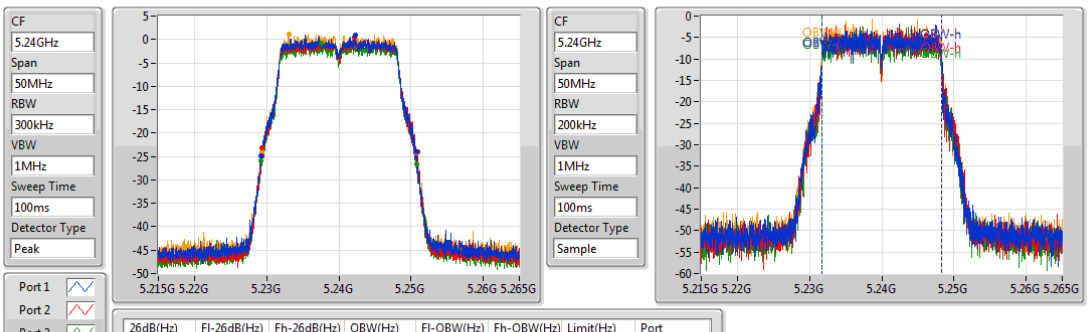
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.425M	5.18925G	5.210675G	16.592M	5.191654G	5.208246G	Inf	1
21.6M	5.18925G	5.21085G	16.492M	5.191729G	5.208221G	Inf	2
21.625M	5.1892G	5.210825G	16.592M	5.191704G	5.208296G	Inf	3
21.45M	5.189375G	5.210825G	16.492M	5.191704G	5.208196G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.5M	5.229225G	5.250725G	16.542M	5.231704G	5.248246G	Inf	1
21.5M	5.229375G	5.250875G	16.567M	5.231704G	5.248271G	Inf	2
21.675M	5.229175G	5.25085G	16.567M	5.231704G	5.248271G	Inf	3
21.475M	5.229325G	5.2508G	16.567M	5.231704G	5.248271G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	21.825M	18.991M	19M0D1D	21.4M	18.916M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.25M	37.581M	37M6D1D	39.95M	37.431M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.8M	77.261M	77M3D1D	81M	76.962M

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

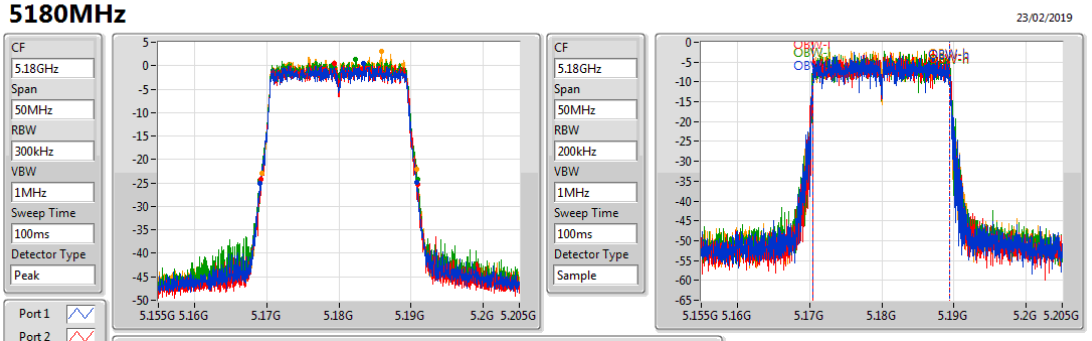
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.725M	18.966M	21.7M	18.966M	21.825M	18.991M	21.425M	18.941M
5200MHz	Pass	Inf	21.825M	18.991M	21.7M	18.941M	21.825M	18.916M	21.4M	18.966M
5240MHz	Pass	Inf	21.75M	18.991M	21.575M	18.966M	21.825M	18.941M	21.4M	18.966M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.95M	37.581M	40.25M	37.431M	39.95M	37.481M	40.05M	37.581M
5230MHz	Pass	Inf	39.95M	37.531M	40.05M	37.581M	40.05M	37.531M	40.15M	37.581M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.5M	77.261M	81M	77.261M	81.1M	76.962M	81.8M	76.962M

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

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

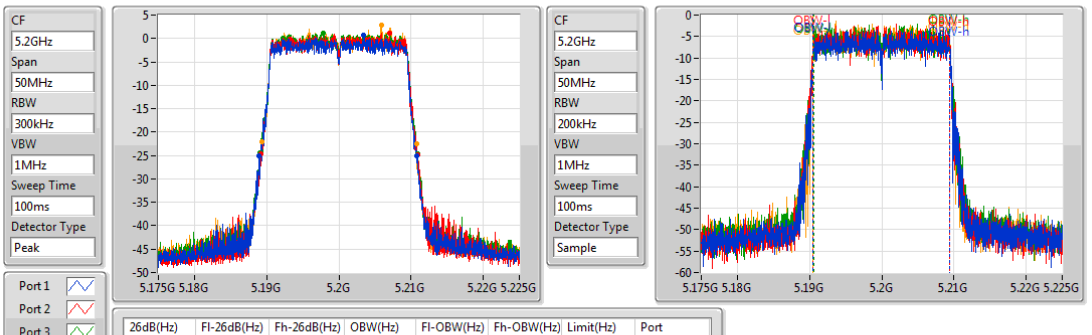
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.1691G	5.190825G	18.966M	5.17048G	5.189445G	Inf	1
21.7M	5.1692G	5.1909G	18.966M	5.170505G	5.18947G	Inf	2
21.825M	5.1691G	5.190925G	18.991M	5.17048G	5.18947G	Inf	3
21.425M	5.169325G	5.19075G	18.941M	5.170505G	5.189445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

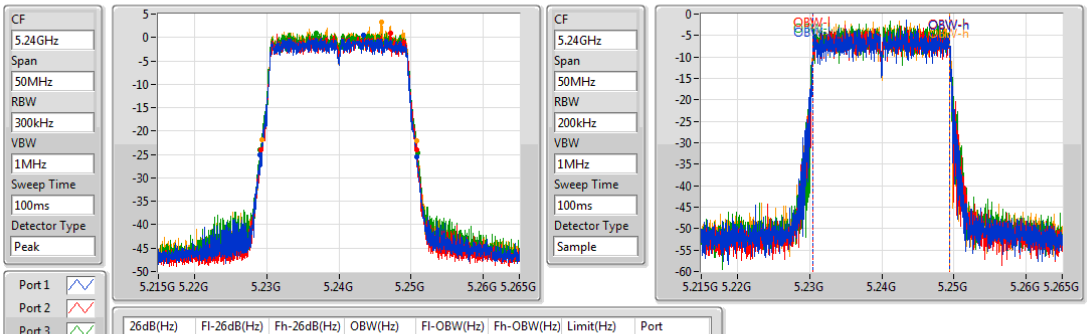
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.825M	5.188975G	5.2108G	18.991M	5.19048G	5.20947G	Inf	1
21.7M	5.1892G	5.2109G	18.941M	5.190505G	5.209445G	Inf	2
21.825M	5.18905G	5.210875G	18.916M	5.19053G	5.209445G	Inf	3
21.4M	5.1894G	5.2108G	18.966M	5.190505G	5.20947G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

5240MHz

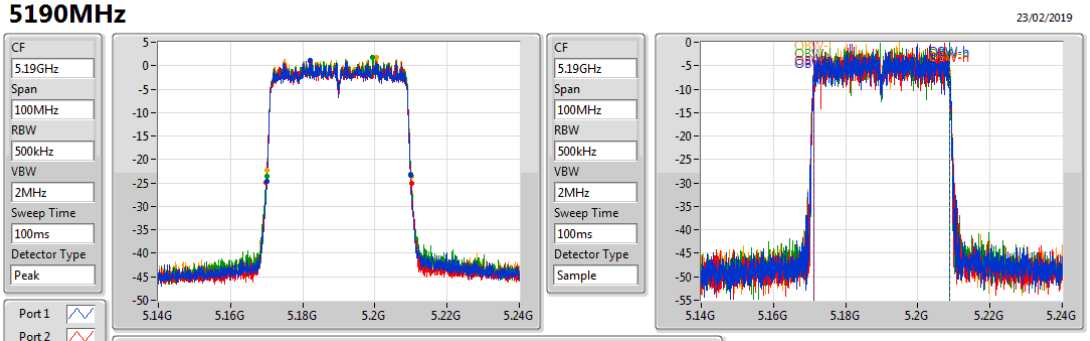


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.2291G	5.25085G	18.991M	5.23048G	5.24947G	Inf	1
21.575M	5.229225G	5.2508G	18.966M	5.23048G	5.249445G	Inf	2
21.825M	5.229075G	5.2509G	18.941M	5.230505G	5.249445G	Inf	3
21.4M	5.22935G	5.25075G	18.966M	5.23048G	5.249445G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5190MHz

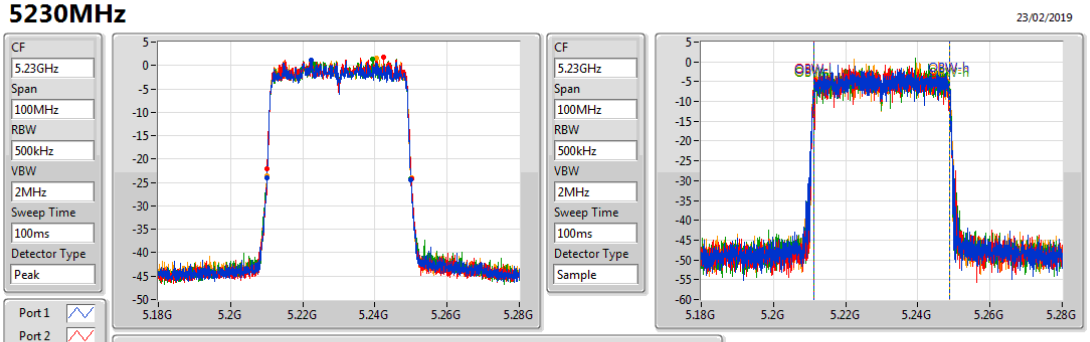


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.95M	5.17G	5.20995G	37.581M	5.171209G	5.208791G	Inf	1
40.25M	5.1699G	5.21015G	37.431M	5.171259G	5.208691G	Inf	2
39.95M	5.17G	5.20995G	37.481M	5.171209G	5.208691G	Inf	3
40.05M	5.17005G	5.2101G	37.581M	5.171209G	5.208791G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5230MHz

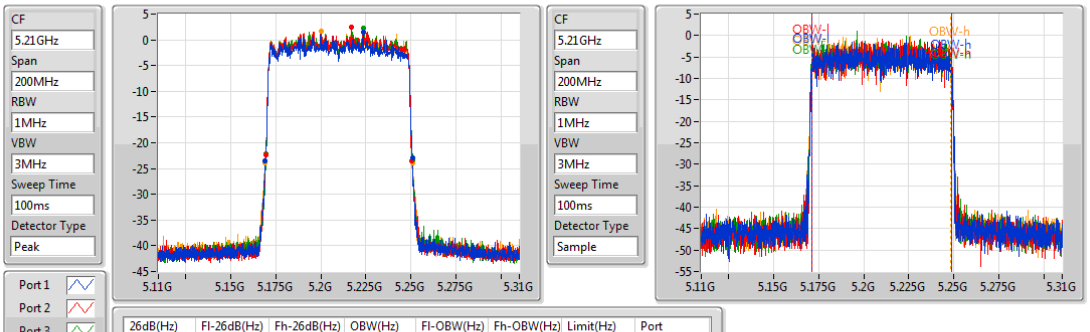


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.95M	5.21005G	5.25G	37.531M	5.211209G	5.248741G	Inf	1
40.05M	5.21005G	5.2501G	37.581M	5.211159G	5.248741G	Inf	2
40.05M	5.20995G	5.25G	37.531M	5.211209G	5.248741G	Inf	3
40.15M	5.21G	5.25015G	37.581M	5.211159G	5.248741G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.5M	5.1693G	5.2508G	77.261M	5.171319G	5.248581G	Inf	1
81M	5.1696G	5.2506G	77.261M	5.171419G	5.248681G	Inf	2
81.1M	5.1697G	5.2508G	76.962M	5.171519G	5.248481G	Inf	3
81.8M	5.1691G	5.2509G	76.962M	5.171419G	5.248381G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.9M	18.991M	19M0D1D	21.375M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.2M	37.581M	37M6D1D	39.95M	37.481M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.7M	77.161M	77M2D1D	81.3M	77.061M

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

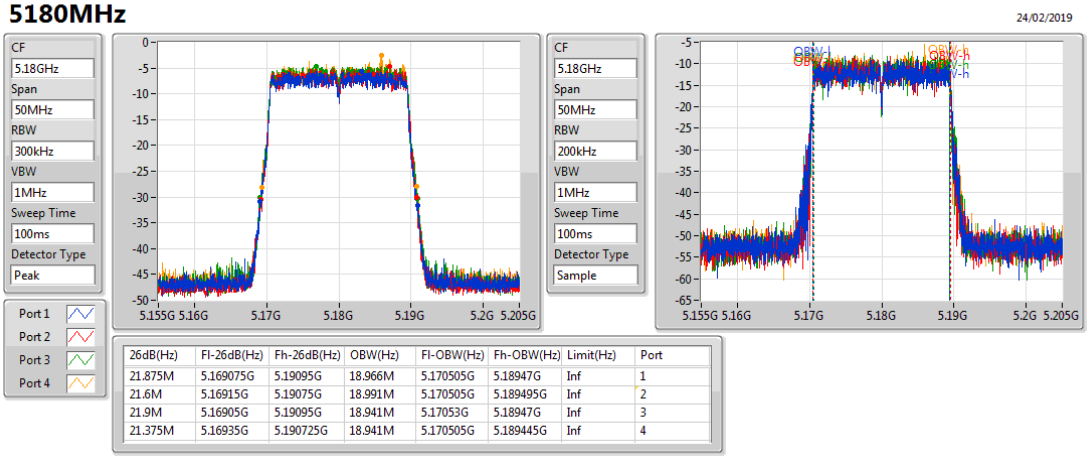
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.875M	18.966M	21.6M	18.991M	21.9M	18.941M	21.375M	18.941M
5200MHz	Pass	Inf	21.675M	18.966M	21.7M	18.991M	21.825M	18.941M	21.425M	18.991M
5240MHz	Pass	Inf	21.775M	18.966M	21.525M	18.941M	21.775M	18.941M	21.45M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.95M	37.581M	39.95M	37.481M	40.05M	37.531M	40.1M	37.531M
5230MHz	Pass	Inf	40.05M	37.581M	39.95M	37.581M	40M	37.531M	40.2M	37.481M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.7M	77.161M	81.6M	77.161M	81.3M	77.061M	81.6M	77.161M

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;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **EBW**

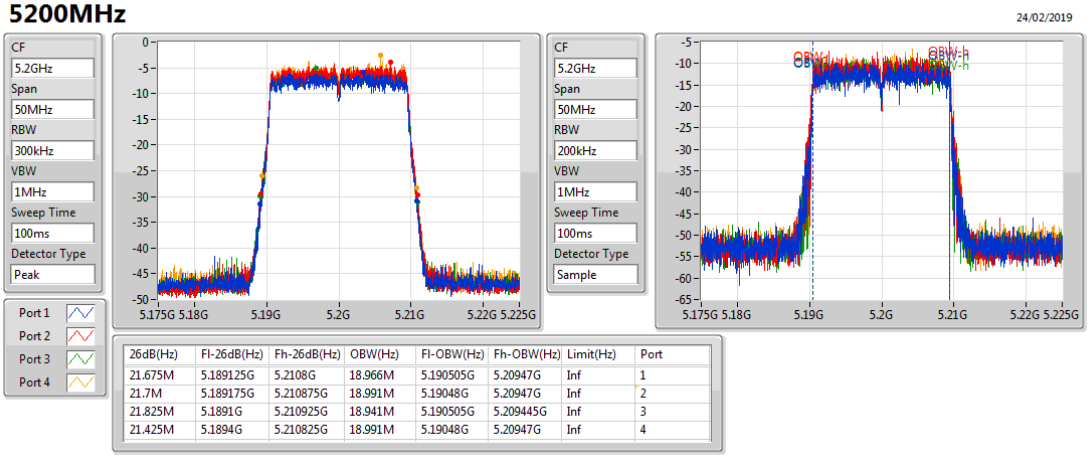
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.875M	5.169075G	5.19095G	18.966M	5.170505G	5.18947G	Inf	1
21.6M	5.16915G	5.19075G	18.991M	5.170505G	5.189495G	Inf	2
21.9M	5.16905G	5.19095G	18.941M	5.17053G	5.18947G	Inf	3
21.375M	5.16935G	5.190725G	18.941M	5.170505G	5.189445G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **EBW**

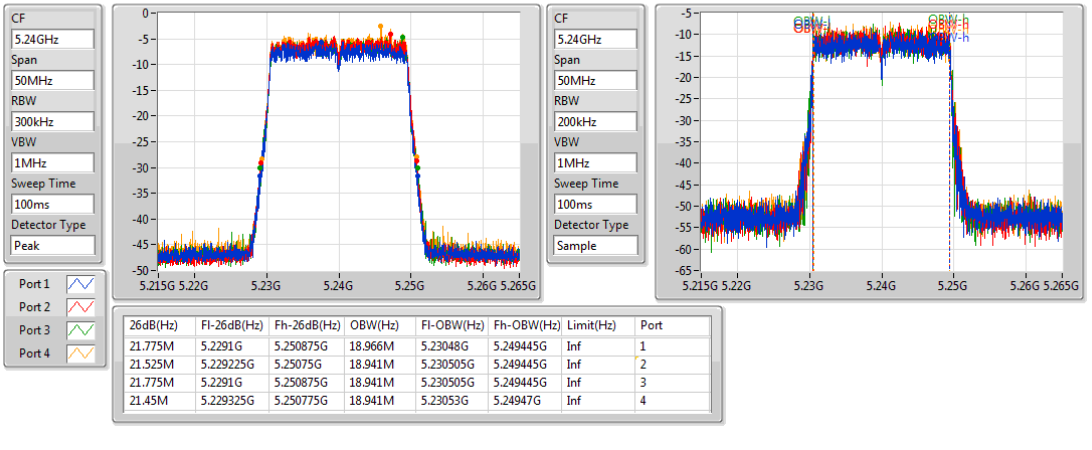
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.189125G	5.2108G	18.966M	5.190505G	5.20947G	Inf	1
21.7M	5.189175G	5.210875G	18.991M	5.19048G	5.20947G	Inf	2
21.825M	5.1891G	5.210925G	18.941M	5.190505G	5.209445G	Inf	3
21.425M	5.1894G	5.210825G	18.991M	5.19048G	5.20947G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **EBW**

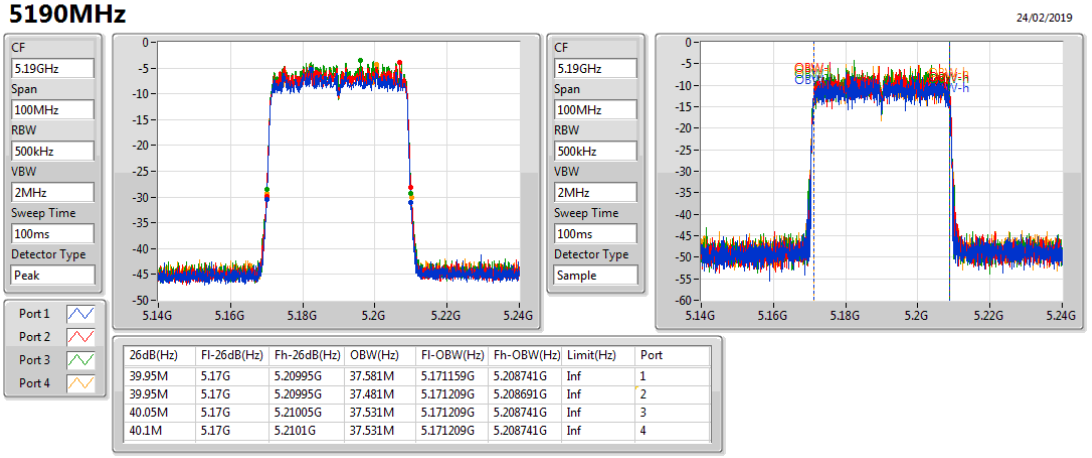
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.775M	5.2291G	5.250875G	18.966M	5.23048G	5.249445G	Inf	1
21.525M	5.229225G	5.25075G	18.941M	5.230505G	5.249445G	Inf	2
21.775M	5.2291G	5.250875G	18.941M	5.230505G	5.249445G	Inf	3
21.45M	5.229325G	5.250775G	18.941M	5.23053G	5.24947G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

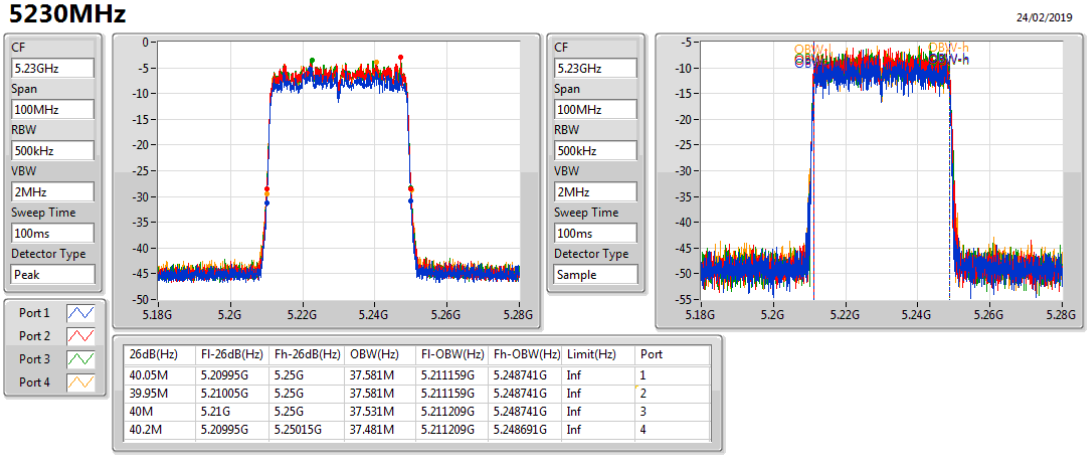
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.95M	5.17G	5.20995G	37.581M	5.171159G	5.208741G	Inf	1
39.95M	5.17G	5.20995G	37.481M	5.171209G	5.208691G	Inf	2
40.05M	5.17G	5.21005G	37.531M	5.171209G	5.208741G	Inf	3
40.1M	5.17G	5.2101G	37.531M	5.171209G	5.208741G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

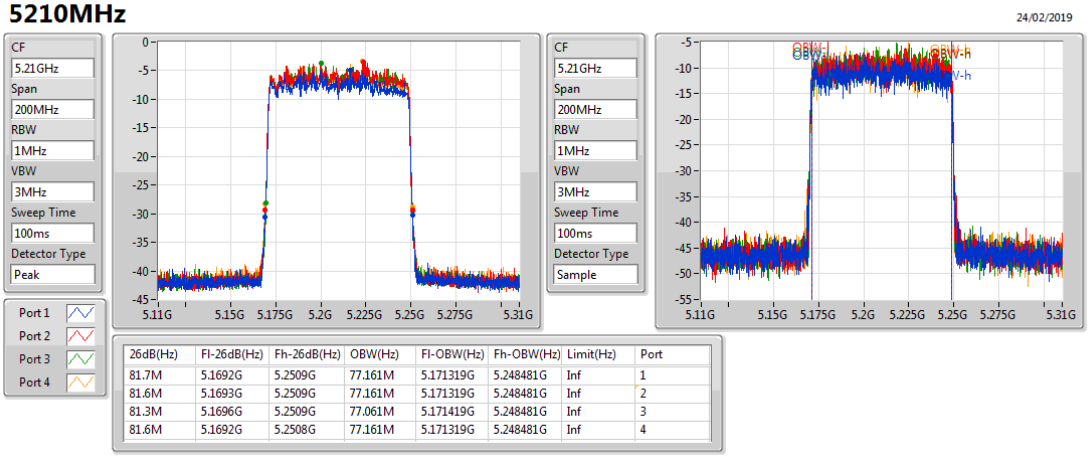
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.05M	5.20995G	5.25G	37.581M	5.211159G	5.248741G	Inf	1
39.95M	5.21005G	5.25G	37.581M	5.211159G	5.248741G	Inf	2
40M	5.21G	5.25G	37.531M	5.211209G	5.248741G	Inf	3
40.2M	5.20995G	5.25015G	37.481M	5.211209G	5.248691G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.7M	5.1692G	5.2509G	77.161M	5.171319G	5.248481G	Inf	1
81.6M	5.1693G	5.2509G	77.161M	5.171319G	5.248481G	Inf	2
81.3M	5.1696G	5.2509G	77.061M	5.171419G	5.248481G	Inf	3
81.6M	5.1692G	5.2508G	77.161M	5.171319G	5.248481G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	21.9M	18.991M	19M0D1D	21.325M	18.891M
802.11ax HEW40_Nss4,(MCS0)_4TX	40.2M	37.631M	37M6D1D	40M	37.481M
802.11ax HEW80_Nss4,(MCS0)_4TX	81.9M	77.161M	77M2D1D	81.3M	76.962M

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

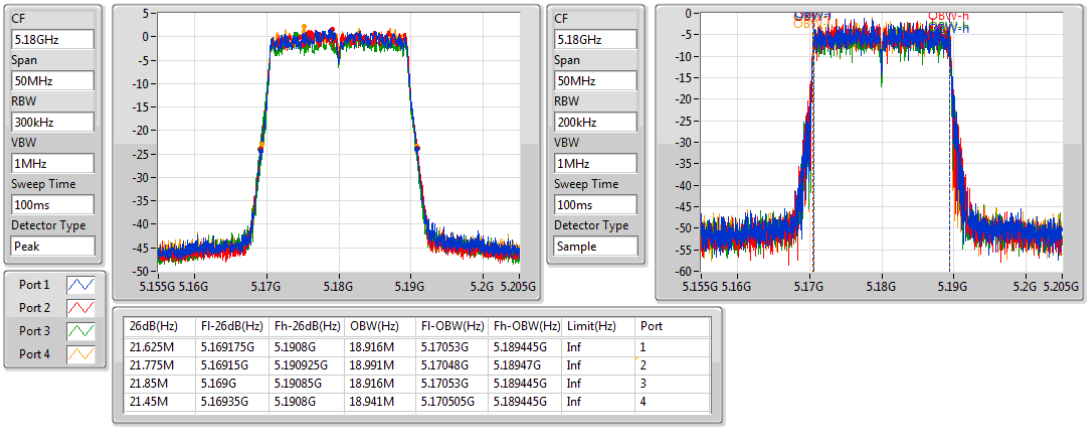
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.625M	18.916M	21.775M	18.991M	21.85M	18.916M	21.45M	18.941M
5200MHz	Pass	Inf	21.675M	18.966M	21.8M	18.966M	21.775M	18.966M	21.5M	18.941M
5240MHz	Pass	Inf	21.7M	18.891M	21.825M	18.966M	21.9M	18.916M	21.325M	18.966M
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.05M	37.481M	40M	37.481M	40.1M	37.481M	40.15M	37.481M
5230MHz	Pass	Inf	40.2M	37.481M	40M	37.531M	40.05M	37.531M	40.2M	37.631M
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.3M	76.962M	81.3M	77.161M	81.9M	76.962M	81.9M	76.962M

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

802.11ax HEW20_Nss4,(MCS0)_4TX **EBW**

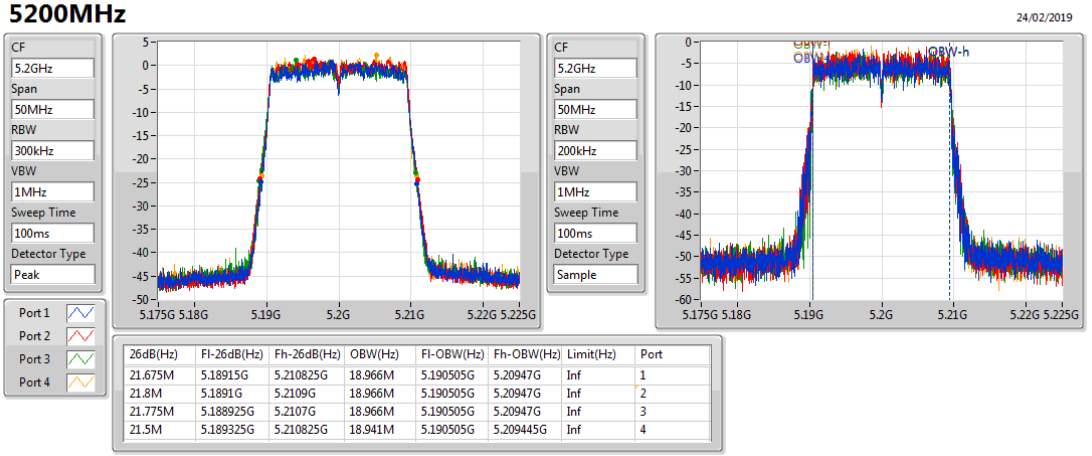
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.625M	5.169175G	5.1908G	18.916M	5.17053G	5.189445G	Inf	1
21.775M	5.16915G	5.190925G	18.991M	5.17048G	5.18947G	Inf	2
21.85M	5.169G	5.19085G	18.916M	5.17053G	5.189445G	Inf	3
21.45M	5.16935G	5.1908G	18.941M	5.170505G	5.189445G	Inf	4

802.11ax HEW20_Nss4,(MCS0)_4TX **EBW**

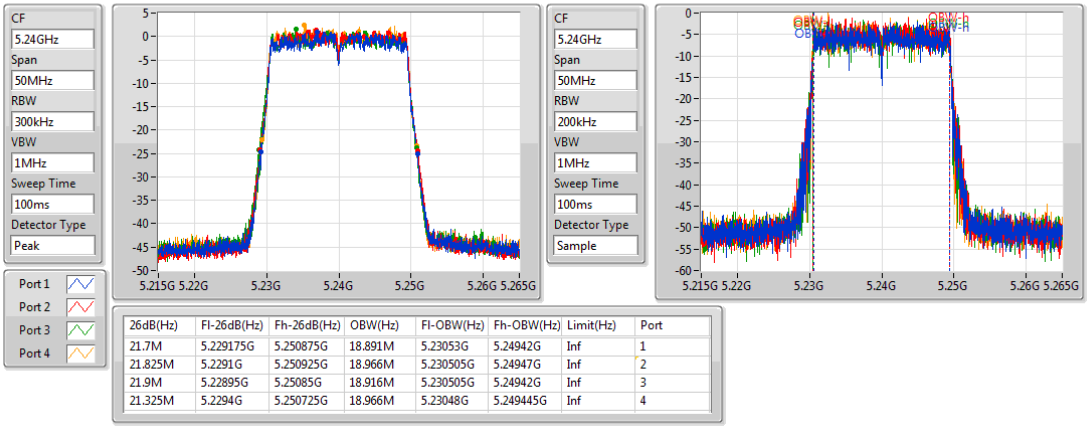
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.18915G	5.210825G	18.966M	5.190505G	5.20947G	Inf	1
21.8M	5.1891G	5.2109G	18.966M	5.190505G	5.20947G	Inf	2
21.775M	5.188925G	5.2107G	18.966M	5.190505G	5.20947G	Inf	3
21.5M	5.189325G	5.210825G	18.941M	5.190505G	5.209445G	Inf	4

802.11ax HEW20_Nss4,(MCS0)_4TX **EBW**

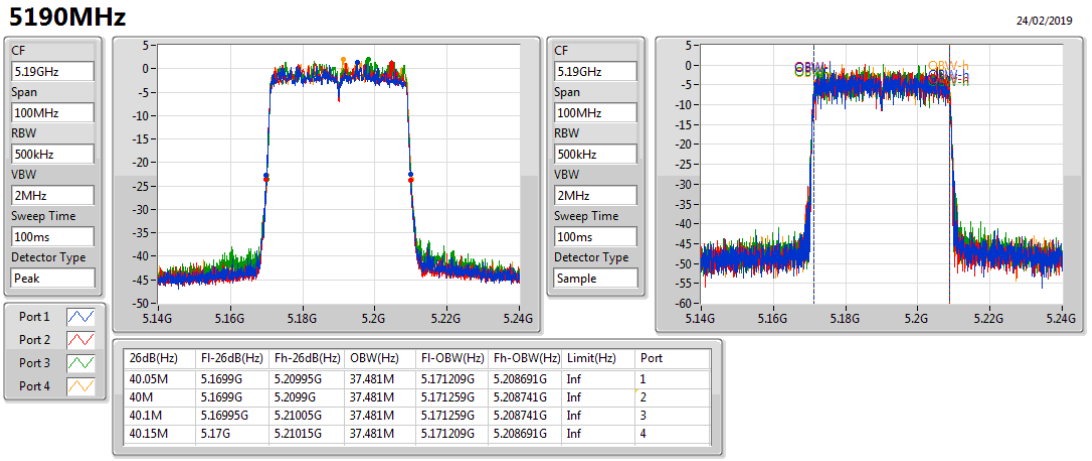
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.7M	5.229175G	5.250875G	18.891M	5.23053G	5.24942G	Inf	1
21.825M	5.2291G	5.250925G	18.966M	5.230505G	5.24947G	Inf	2
21.9M	5.22895G	5.25085G	18.916M	5.230505G	5.24942G	Inf	3
21.325M	5.2294G	5.250725G	18.966M	5.23048G	5.249445G	Inf	4

802.11ax HEW40_Nss4,(MCS0)_4TX EBW

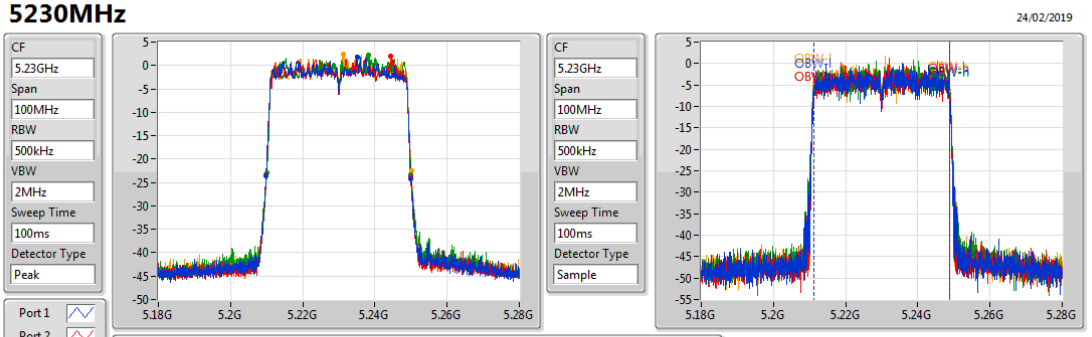
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.05M	5.1699G	5.20995G	37.481M	5.171209G	5.208691G	Inf	1
40M	5.1699G	5.2099G	37.481M	5.171259G	5.208741G	Inf	2
40.1M	5.16995G	5.21005G	37.481M	5.171259G	5.208741G	Inf	3
40.15M	5.17G	5.21015G	37.481M	5.171209G	5.208691G	Inf	4

802.11ax HEW40_Nss4,(MCS0)_4TX EBW

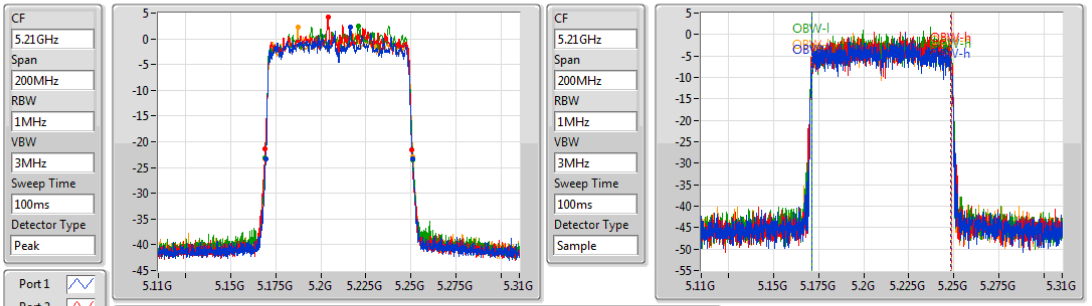
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.20985G	5.25005G	37.481M	5.211209G	5.248691G	Inf	1
40M	5.2099G	5.2499G	37.531M	5.211209G	5.248741G	Inf	2
40.05M	5.21G	5.25005G	37.531M	5.211209G	5.248741G	Inf	3
40.2M	5.2099G	5.2501G	37.631M	5.211159G	5.248791G	Inf	4

802.11ax HEW80_Nss4,(MCS0)_4TX EBW

5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.3M	5.1696G	5.2509G	76.962M	5.171419G	5.248381G	Inf	1
81.3M	5.1692G	5.2505G	77.161M	5.171319G	5.248481G	Inf	2
81.9M	5.1691G	5.251G	76.962M	5.171519G	5.248481G	Inf	3
81.9M	5.1692G	5.2511G	76.962M	5.171519G	5.248481G	Inf	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	20.12	0.10280
802.11ax HEW20_Nss1,(MCS0)_1TX	20.19	0.10447
802.11ax HEW40_Nss1,(MCS0)_1TX	18.32	0.06792
802.11ax HEW80_Nss1,(MCS0)_1TX	15.90	0.03890

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted Setting (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-
5180MHz	Pass	5.89	18.54	18.54	30.00	19
5200MHz	Pass	5.89	20.12	20.12	30.00	20.5
5240MHz	Pass	5.89	18.37	18.37	30.00	18.5
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5200MHz	Pass	5.89	20.19	20.19	30.00	20.5
5240MHz	Pass	5.89	18.75	18.75	30.00	18.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5190MHz	Pass	5.89	16.32	16.32	30.00	16.5
5230MHz	Pass	5.89	18.32	18.32	30.00	18.5
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5210MHz	Pass	5.89	15.90	15.90	30.00	15.75

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	23.37	0.21727
802.11ax HEW40_Nss2,(MCS0)_2TX	21.29	0.13459
802.11ax HEW80_Nss2,(MCS0)_2TX	17.96	0.06252

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted Setting (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5200MHz	Pass	5.63	20.39	20.32	23.37	30.00	20.5
5240MHz	Pass	5.63	18.54	18.28	21.42	30.00	18.5
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5190MHz	Pass	5.63	16.18	16.10	19.15	30.00	16.25
5230MHz	Pass	5.63	18.33	18.23	21.29	30.00	18.5
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5210MHz	Pass	5.63	15.16	14.73	17.96	30.00	15.25

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	24.38	0.27416
802.11ax HEW20_Nss1,(MCS0)_4TX	24.86	0.30620
802.11ax HEW40_Nss1,(MCS0)_4TX	24.07	0.25527
802.11ax HEW80_Nss1,(MCS0)_4TX	19.84	0.09638

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted Setting (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-
5200MHz	Pass	5.89	18.57	18.29	18.42	18.15	24.38	30.00	19
5240MHz	Pass	5.89	17.77	18.15	17.96	17.44	23.86	30.00	18.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5200MHz	Pass	5.89	18.72	18.97	19.07	18.59	24.86	30.00	19.25
5240MHz	Pass	5.89	18.15	17.91	18.06	17.55	23.94	30.00	18.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	5.89	13.85	13.92	13.83	14.48	20.05	30.00	14.75
5230MHz	Pass	5.89	17.95	17.96	17.89	18.39	24.07	30.00	18.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	5.89	14.18	13.39	13.67	13.99	19.84	30.00	14.5

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	23.94	0.24774
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	23.50	0.22387
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	18.94	0.07834

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted Setting (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	11.59	12.33	11.27	12.74	12.40	18.24	24.41	12.5
5200MHz	Pass	11.59	16.23	16.12	16.21	16.12	22.19	24.41	16.25
5240MHz	Pass	11.59	18.15	17.91	18.06	17.55	23.94	24.41	18.5
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	11.59	11.09	11.04	11.80	11.60	17.42	24.41	11.5
5230MHz	Pass	11.59	17.43	17.09	17.52	17.83	23.50	24.41	17.5
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	11.59	13.01	12.76	13.18	12.69	18.94	24.41	13.25

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	25.88	0.38726
802.11ax HEW40_Nss4,(MCS0)_4TX	19.95	0.09886

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted Setting (dBm)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5200MHz	Pass	5.58	19.93	19.92	19.74	19.83	25.88	30.00	20.5
5240MHz	Pass	5.58	18.06	17.69	18.40	18.15	24.10	30.00	18.5
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	5.58	13.69	13.44	14.05	14.48	19.95	30.00	14.5

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	19.16	0.08241
802.11ax HEW20_Nss1,(MCS0)_1TX	17.36	0.05445
802.11ax HEW40_Nss1,(MCS0)_1TX	15.44	0.03499
802.11ax HEW80_Nss1,(MCS0)_1TX	15.52	0.03565

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted Setting (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-
5180MHz	Pass	4.57	19.16	19.16	30.00	19.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5180MHz	Pass	4.57	17.36	17.36	30.00	18.25
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5190MHz	Pass	4.57	15.44	15.44	30.00	16
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5210MHz	Pass	4.57	15.52	15.52	30.00	16.25

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	19.22	0.08356
802.11ax HEW40_Nss2,(MCS0)_2TX	17.78	0.05998
802.11ax HEW80_Nss2,(MCS0)_2TX	17.17	0.05212

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted Setting (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5180MHz	Pass	4.49	16.09	16.32	19.22	30.00	16.75
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5190MHz	Pass	4.49	14.91	14.63	17.78	30.00	15.5
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5210MHz	Pass	4.49	13.57	14.68	17.17	30.00	14.25

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	25.14	0.32659
802.11ax HEW20_Nss1,(MCS0)_4TX	24.16	0.26062
802.11ax HEW40_Nss1,(MCS0)_4TX	24.28	0.26792

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted Setting (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-
5200MHz	Pass	5.18	19.37	19.37	19.06	18.62	25.14	30.00	20.25
5240MHz	Pass	5.18	17.88	18.42	18.08	17.78	24.07	30.00	18.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5240MHz	Pass	5.18	18.06	18.57	18.20	17.70	24.16	30.00	18.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5230MHz	Pass	5.18	18.29	18.12	18.45	18.15	24.28	30.00	18.5

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	20.89	0.12274
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	21.40	0.13804
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	18.57	0.07194

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted Setting (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.81	10.43	11.41	10.89	10.80	16.92	25.19	11.75
5200MHz	Pass	10.81	14.34	15.26	15.13	14.69	20.89	25.19	15.5
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	10.81	9.90	10.82	10.91	10.08	16.47	25.19	10.75
5230MHz	Pass	10.81	15.26	15.20	15.86	15.16	21.40	25.19	15.25
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	10.81	12.11	12.73	12.88	12.44	18.57	25.19	12.75

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	21.84	0.15276
802.11ax HEW40_Nss4,(MCS0)_4TX	23.94	0.24774

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted Setting (dBm)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.79	15.90	16.32	15.83	15.13	21.84	30.00	16.5
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5230MHz	Pass	4.79	17.84	17.74	18.31	17.75	23.94	30.00	18

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	14.95	0.03126	20.84	0.12134

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Setting (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.89	14.95	14.95	30.00	20.84	21.00	15.25
5200MHz	Pass	5.89	14.95	14.95	30.00	20.84	21.00	15.25
5240MHz	Pass	5.89	14.92	14.92	30.00	20.81	21.00	15.25

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	14.97	0.03141	20.86	0.12190
802.11ax HEW40_Nss1,(MCS0)_1TX	15.04	0.03192	20.93	0.12388
802.11ax HEW80_Nss1,(MCS0)_1TX	15.01	0.03170	20.90	0.12303

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Setting (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.89	14.87	14.87	30.00	20.76	21.00	15.5
5200MHz	Pass	5.89	14.97	14.97	30.00	20.86	21.00	15.25
5240MHz	Pass	5.89	14.88	14.88	30.00	20.77	21.00	15.25
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.89	15.04	15.04	30.00	20.93	21.00	15.25
5230MHz	Pass	5.89	15.01	15.01	30.00	20.90	21.00	14.75
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.89	15.01	15.01	30.00	20.90	21.00	15.25

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	15.35	0.03428	20.98	0.12531
802.11ax HEW40_Nss2,(MCS0)_2TX	15.30	0.03388	20.93	0.12388
802.11ax HEW80_Nss2,(MCS0)_2TX	15.32	0.03404	20.95	0.12445

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Settign (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	5.63	12.40	12.27	15.35	30.00	20.98	21.00	12.5
5200MHz	Pass	5.63	12.26	12.22	15.25	30.00	20.88	21.00	12.25
5240MHz	Pass	5.63	12.22	12.01	15.13	30.00	20.76	21.00	12.25
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	5.63	12.34	12.23	15.30	30.00	20.93	21.00	12.5
5230MHz	Pass	5.63	12.21	12.14	15.19	30.00	20.82	21.00	12.25
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	5.63	12.44	12.17	15.32	30.00	20.95	21.00	12.5

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	15.09	0.03228	20.98	0.12531

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Setting (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	5.89	9.25	8.38	8.94	9.45	15.04	30.00	20.93	21.00	9.75
5200MHz	Pass	5.89	9.38	8.97	9.10	8.59	15.04	30.00	20.93	21.00	9.5
5240MHz	Pass	5.89	9.57	8.82	9.42	8.38	15.09	30.00	20.98	21.00	9.5

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	15.05	0.03199	20.94	0.12417
802.11ax HEW40_Nss1,(MCS0)_4TX	15.04	0.03192	20.93	0.12388
802.11ax HEW80_Nss1,(MCS0)_4TX	14.96	0.03133	20.85	0.12162

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Setting (dBm)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	5.89	9.02	8.85	9.50	8.45	14.99	30.00	20.88	21.00	9.75
5200MHz	Pass	5.89	9.04	9.18	9.61	8.16	15.05	30.00	20.94	21.00	9.75
5240MHz	Pass	5.89	8.80	8.66	9.77	8.13	14.90	30.00	20.79	21.00	9.75
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	5.89	9.49	8.72	9.05	8.77	15.04	30.00	20.93	21.00	9.75
5230MHz	Pass	5.89	9.30	8.83	8.74	8.57	14.89	30.00	20.78	21.00	9.75
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	5.89	8.65	8.89	9.50	8.68	14.96	30.00	20.85	21.00	9.75

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	9.25	0.00841	20.84	0.12134
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	9.40	0.00871	20.99	0.12560
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	9.19	0.00830	20.78	0.11967

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Setting (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	11.59	3.71	2.45	3.94	2.28	9.18	24.41	20.77	21.00	4.25
5200MHz	Pass	11.59	3.72	2.51	3.96	2.33	9.21	24.41	20.80	21.00	4.25
5240MHz	Pass	11.59	3.91	2.40	3.95	2.39	9.25	24.41	20.84	21.00	4.25
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	11.59	2.90	2.94	3.91	2.94	9.21	24.41	20.80	21.00	4.5
5230MHz	Pass	11.59	3.27	3.49	3.86	2.85	9.40	24.41	20.99	21.00	4.5
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	11.59	3.19	3.41	3.54	2.48	9.19	24.41	20.78	21.00	4.25

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	15.32	0.03404	20.90	0.12303
802.11ax HEW40_Nss4,(MCS0)_4TX	15.36	0.03436	20.94	0.12417
802.11ax HEW80_Nss4,(MCS0)_4TX	15.23	0.03334	20.81	0.12050

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	5.58	8.92	9.02	9.88	9.24	15.30	30.00	20.88	21.00
5200MHz	Pass	5.58	8.80	9.13	9.65	9.01	15.18	30.00	20.76	21.00
5240MHz	Pass	5.58	8.88	9.34	9.88	9.05	15.32	30.00	20.90	21.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	5.58	9.12	9.35	9.81	9.02	15.36	30.00	20.94	21.00
5230MHz	Pass	5.58	9.25	9.29	9.52	9.10	15.31	30.00	20.89	21.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	5.58	9.10	9.35	9.43	8.92	15.23	30.00	20.81	21.00

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)_1TX	16.29	0.04256	20.86	0.12190

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Setting (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.57	16.23	16.23	30.00	20.80	21.00	16.75
5200MHz	Pass	4.57	16.27	16.27	30.00	20.84	21.00	16.75
5240MHz	Pass	4.57	16.29	16.29	30.00	20.86	21.00	16.75

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	16.26	0.04227	20.83	0.12106
802.11ax HEW40_Nss1,(MCS0)_1TX	16.38	0.04345	20.95	0.12445
802.11ax HEW80_Nss1,(MCS0)_1TX	16.12	0.04093	20.69	0.11722

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Setting (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.57	16.26	16.26	30.00	20.83	21.00	17
5200MHz	Pass	4.57	16.24	16.24	30.00	20.81	21.00	17
5240MHz	Pass	4.57	16.25	16.25	30.00	20.82	21.00	16.75
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	
5190MHz	Pass	4.57	16.38	16.38	30.00	20.95	21.00	16
5230MHz	Pass	4.57	16.36	16.36	30.00	20.93	21.00	17
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	
5210MHz	Pass	4.57	16.12	16.12	30.00	20.69	21.00	16.25

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	16.50	0.04467	20.99	0.12560
802.11ax HEW40_Nss2,(MCS0)_2TX	16.48	0.04446	20.97	0.12503
802.11ax HEW80_Nss2,(MCS0)_2TX	16.45	0.04416	20.94	0.12417

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Setting (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.49	13.81	13.15	16.50	30.00	20.99	21.00	14.25
5200MHz	Pass	4.49	13.54	13.24	16.40	30.00	20.89	21.00	14
5240MHz	Pass	4.49	13.20	13.32	16.27	30.00	20.76	21.00	13.5
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.49	13.54	13.31	16.44	30.00	20.93	21.00	13.75
5230MHz	Pass	4.49	13.56	13.38	16.48	30.00	20.97	21.00	13.5
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.49	13.50	13.37	16.45	30.00	20.94	21.00	13.75

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	15.75	0.03758	20.93	0.12388

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Setting (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	5.18	9.89	9.24	9.02	10.03	15.59	30.00	20.77	21.00	10.5
5200MHz	Pass	5.18	9.30	9.98	9.16	10.28	15.73	30.00	20.91	21.00	10.5
5240MHz	Pass	5.18	9.91	9.80	9.01	10.11	15.75	30.00	20.93	21.00	10.25

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	15.72	0.03733	20.90	0.12303
802.11ax HEW40_Nss1,(MCS0)_4TX	15.72	0.03733	20.90	0.12303
802.11ax HEW80_Nss1,(MCS0)_4TX	15.76	0.03767	20.94	0.12417

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Setting (dBm)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	5.18	9.12	9.36	9.76	10.11	15.62	30.00	20.80	21.00	10.75
5200MHz	Pass	5.18	9.22	9.55	9.89	10.09	15.72	30.00	20.90	21.00	10.75
5240MHz	Pass	5.18	9.05	9.25	10.08	10.02	15.64	30.00	20.82	21.00	10.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	5.18	9.46	9.39	9.85	10.08	15.72	30.00	20.90	21.00	10.75
5230MHz	Pass	5.18	9.47	9.77	9.68	9.81	15.71	30.00	20.89	21.00	10.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	5.18	9.22	9.85	9.94	9.92	15.76	30.00	20.94	21.00	10.75

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.09	0.01021	20.90	0.12303
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	10.11	0.01026	20.92	0.12359
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	10.05	0.01012	20.86	0.12190

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Setting (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.81	3.31	3.84	4.50	4.31	10.03	25.19	20.84	21.00	5
5200MHz	Pass	10.81	3.01	4.29	4.03	4.46	10.00	25.19	20.81	21.00	5
5240MHz	Pass	10.81	3.32	4.19	4.04	4.63	10.09	25.19	20.90	21.00	5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	10.81	3.18	3.97	4.55	4.04	9.98	25.19	20.79	21.00	5.25
5230MHz	Pass	10.81	3.21	4.29	4.43	4.32	10.11	25.19	20.92	21.00	5.25
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	10.81	3.11	4.26	4.65	3.96	10.05	25.19	20.86	21.00	5.25

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	16.16	0.04130	20.95/20.95	0.12445
802.11ax HEW40_Nss4,(MCS0)_4TX	16.18	0.04150	20.97/20.97	0.12503
802.11ax HEW80_Nss4,(MCS0)_4TX	16.13	0.04102	20.92/20.92	0.12359

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted Setting (dBm)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.79	9.90	10.03	9.57	10.41	16.01	30.00	20.80	21.00	10.75
5200MHz	Pass	4.79	9.84	10.38	9.78	10.17	16.07	30.00	20.86	21.00	10.75
5240MHz	Pass	4.79	9.75	10.38	10.09	10.32	16.16	30.00	20.95	21.00	10.5
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.79	9.56	9.85	10.53	10.05	16.03	30.00	20.82	21.00	11
5230MHz	Pass	4.79	9.75	9.93	10.42	10.48	16.18	30.00	20.97	21.00	11
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.79	9.42	10.19	10.63	10.11	16.13	30.00	20.92	21.00	11

DG = Directional Gain;**Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4.

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.17
802.11ax HEW20_Nss1,(MCS0)_1TX	6.61
802.11ax HEW40_Nss1,(MCS0)_1TX	1.93
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.14

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

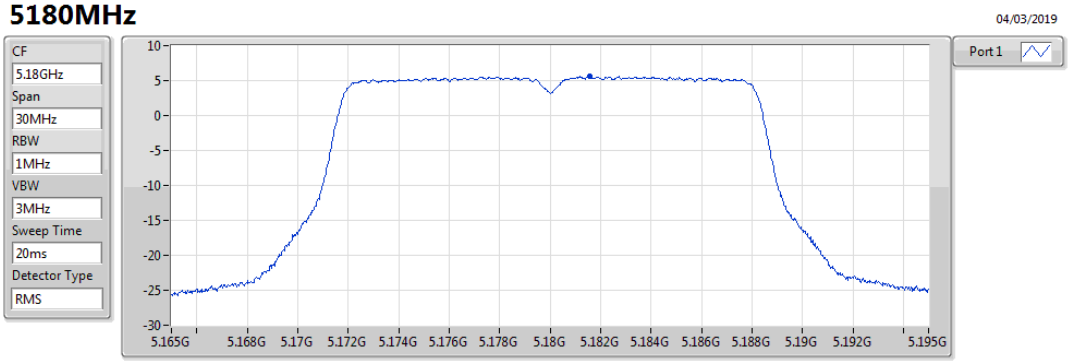
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	5.89	5.57	5.57	17.00
5200MHz	Pass	5.89	7.17	7.17	17.00
5240MHz	Pass	5.89	5.26	5.26	17.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5200MHz	Pass	5.89	6.61	6.61	17.00
5240MHz	Pass	5.89	4.97	4.97	17.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	5.89	-0.24	-0.24	17.00
5230MHz	Pass	5.89	1.93	1.93	17.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	5.89	-3.14	-3.14	17.00

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

802.11a_Nss1,(6Mbps)_1TX **PSD**

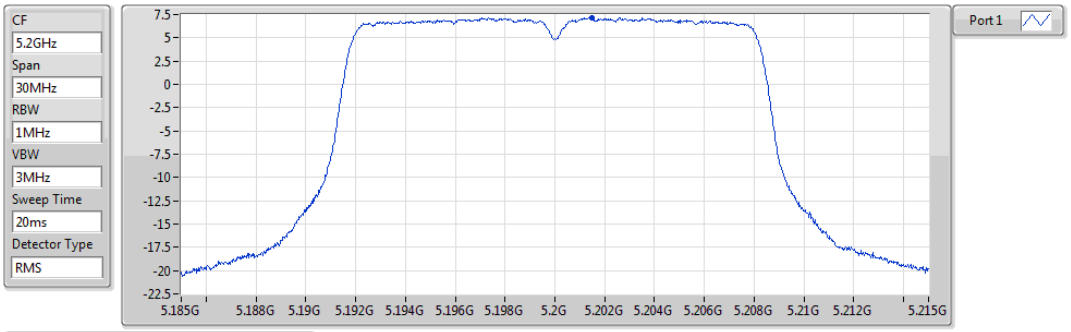
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.57	5.57	5.57

802.11a_Nss1,(6Mbps)_1TX **PSD**

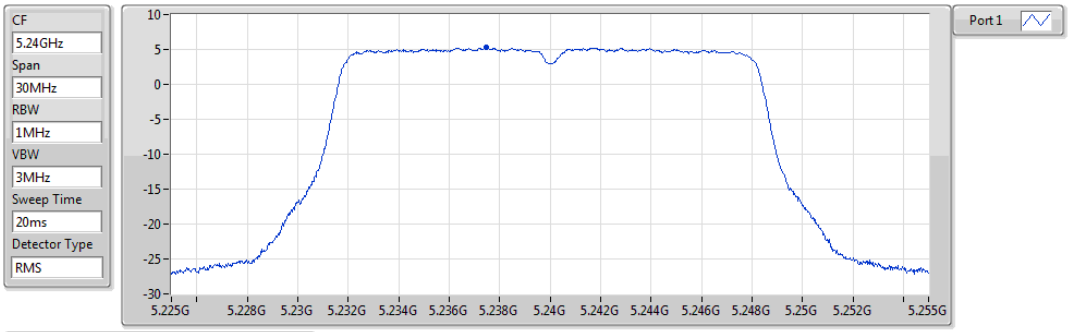
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.17	7.17	7.17

802.11a_Nss1,(6Mbps)_1TX **PSD**

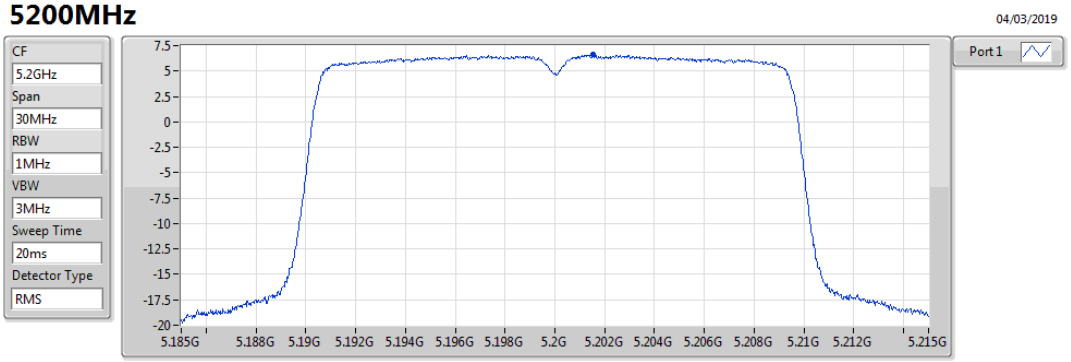
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.26	5.26	5.26

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

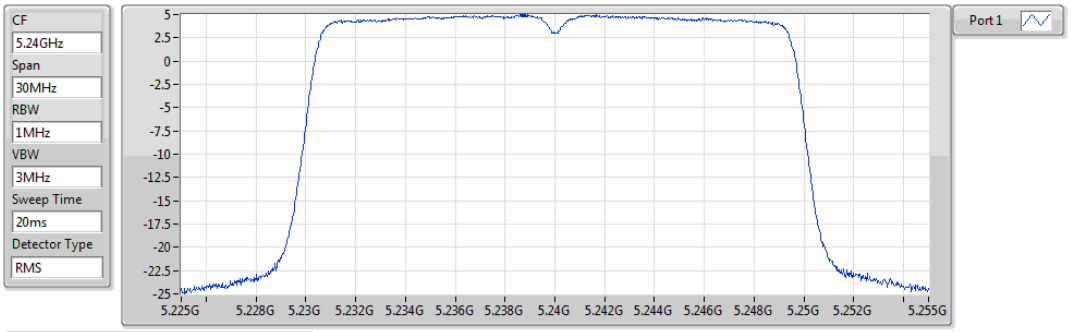
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.61	6.61	6.61

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

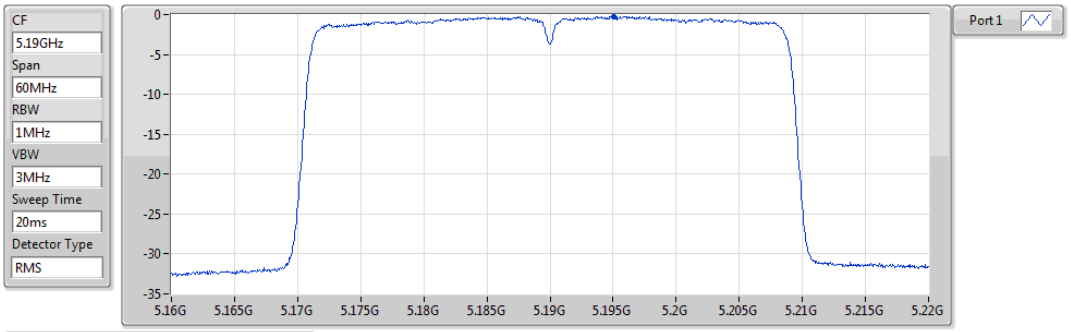
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.97	4.97	4.97

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

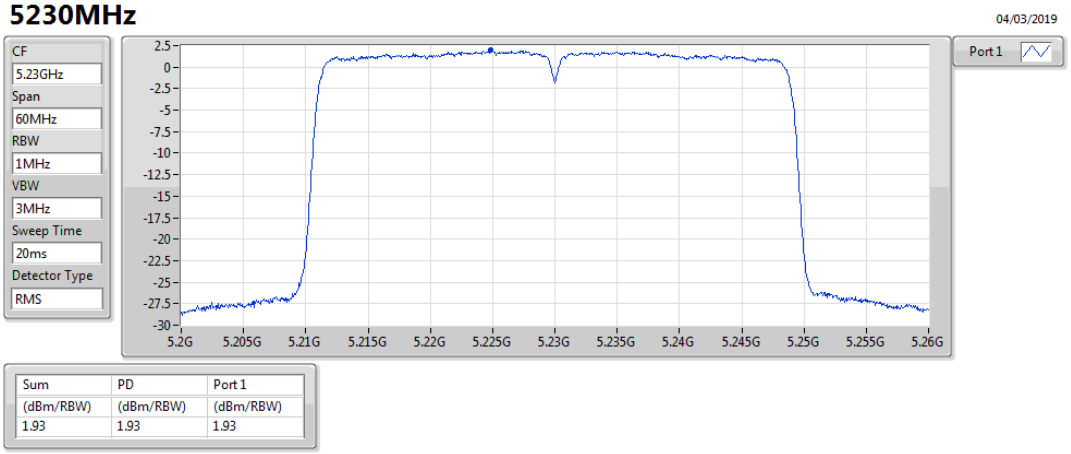
5190MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.24	-0.24	-0.24

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

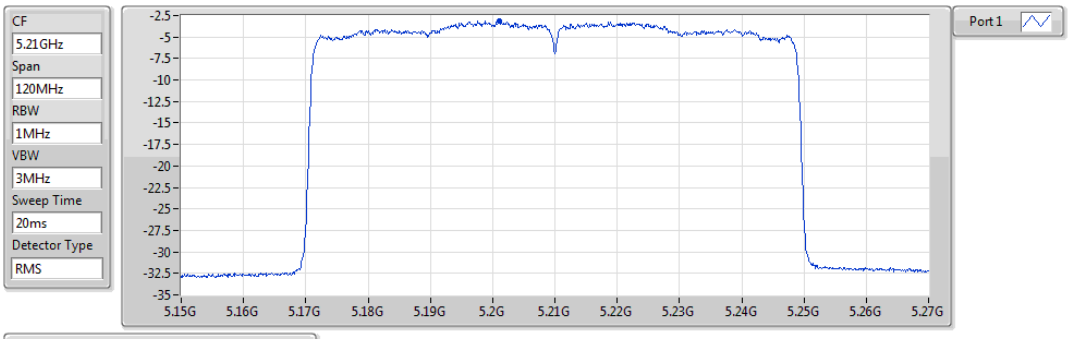
5230MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.93	1.93	1.93

802.11ax HEW80_Nss1,(MCS0)_1TX **PSD**

5210MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.14	-3.14	-3.14

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	9.95
802.11ax HEW40_Nss2,(MCS0)_2TX	5.03
802.11ax HEW80_Nss2,(MCS0)_2TX	-0.85

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

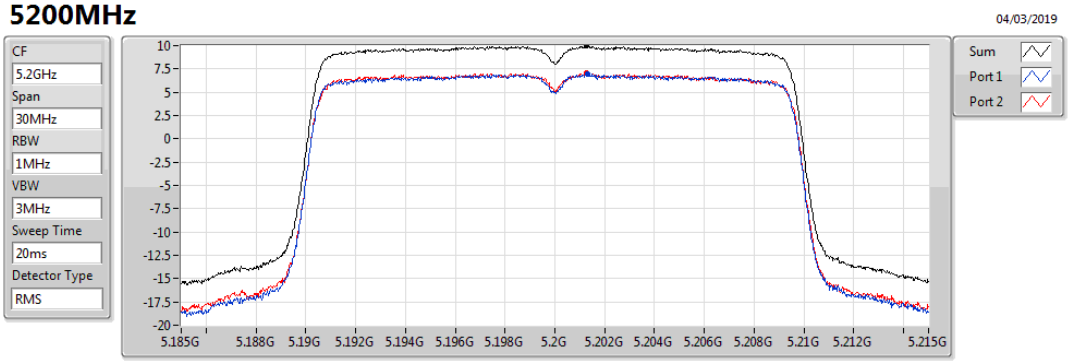
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5200MHz	Pass	5.63	6.95	7.04	9.95	17.00
5240MHz	Pass	5.63	4.91	4.68	7.74	17.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.63	-0.10	0.02	2.86	17.00
5230MHz	Pass	5.63	1.94	2.14	5.03	17.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	5.63	-3.56	-4.01	-0.85	17.00

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

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

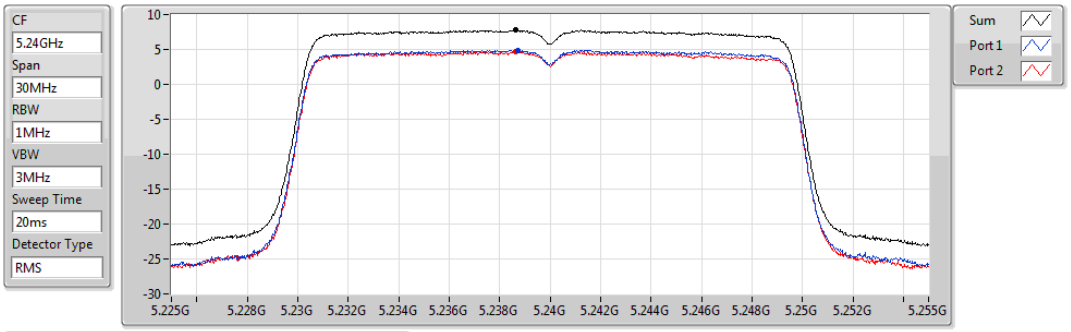
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.95	9.95	6.95	7.04

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

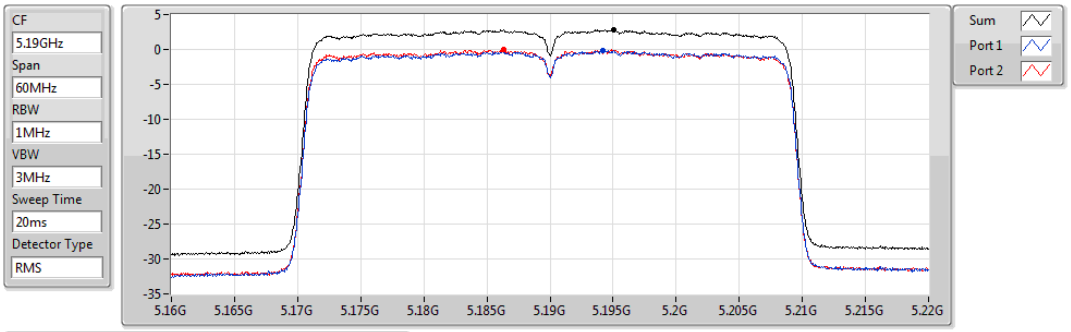
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.74	7.74	4.91	4.68

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

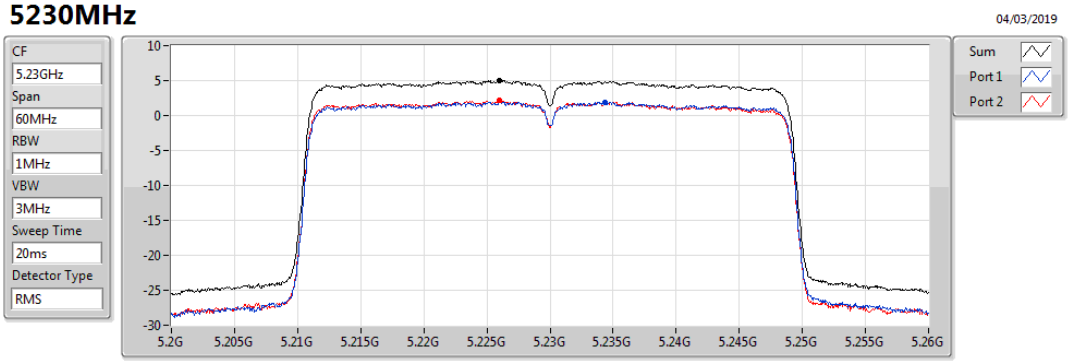
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.86	2.86	-0.10	0.02

802.11ax HEW40_Nss2,(MCS0)_2TX **PSD**

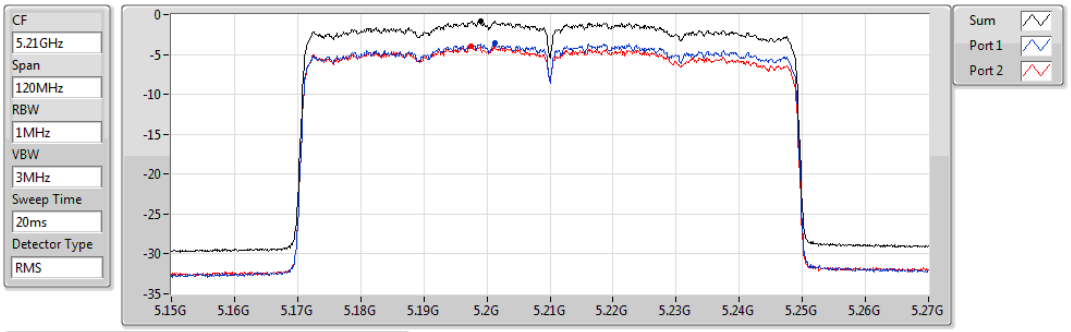
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.03	5.03	1.94	2.14

802.11ax HEW80_Nss2,(MCS0)_2TX **PSD**

5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.85	-0.85	-3.56	-4.01

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	11.22
802.11ax HEW20_Nss1,(MCS0)_4TX	11.22
802.11ax HEW40_Nss1,(MCS0)_4TX	7.55
802.11ax HEW80_Nss1,(MCS0)_4TX	0.82

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

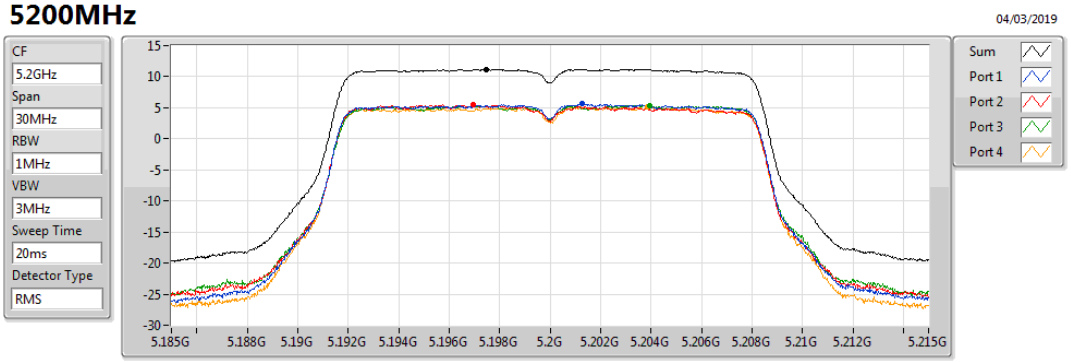
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5200MHz	Pass	11.59	5.70	5.47	5.40	5.14	11.22	11.41
5240MHz	Pass	11.59	4.81	5.32	4.80	4.38	10.66	11.41
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5200MHz	Pass	11.59	5.07	5.64	5.47	5.06	11.22	11.41
5240MHz	Pass	11.59	4.71	4.38	4.49	3.90	10.27	11.41
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	11.59	-2.57	-2.46	-2.55	-1.93	3.50	11.41
5230MHz	Pass	11.59	1.51	1.54	1.54	2.05	7.55	11.41
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	11.59	-4.91	-5.27	-5.03	-4.98	0.82	11.41

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

802.11a_Nss1,(6Mbps)_4TX PSD

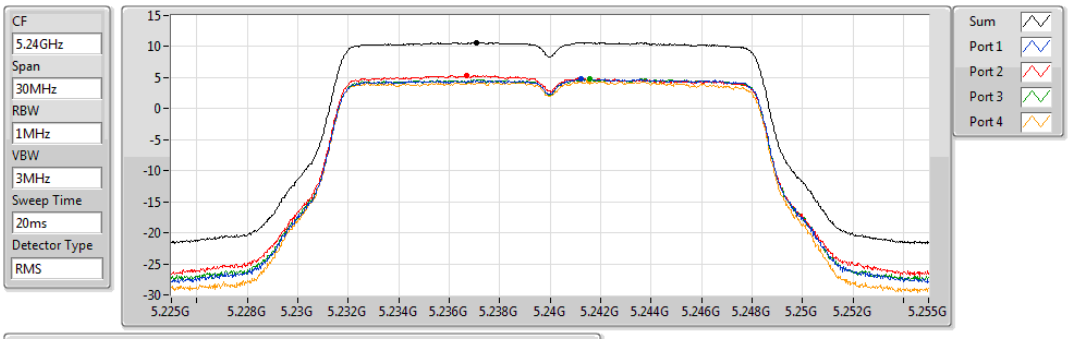
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.22	11.22	5.70	5.47	5.40	5.14

802.11a_Nss1,(6Mbps)_4TX PSD

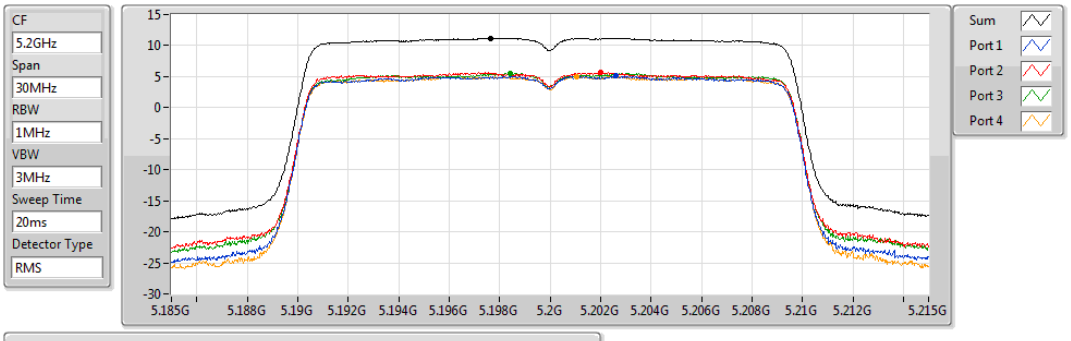
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.66	10.66	4.81	5.32	4.80	4.38

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

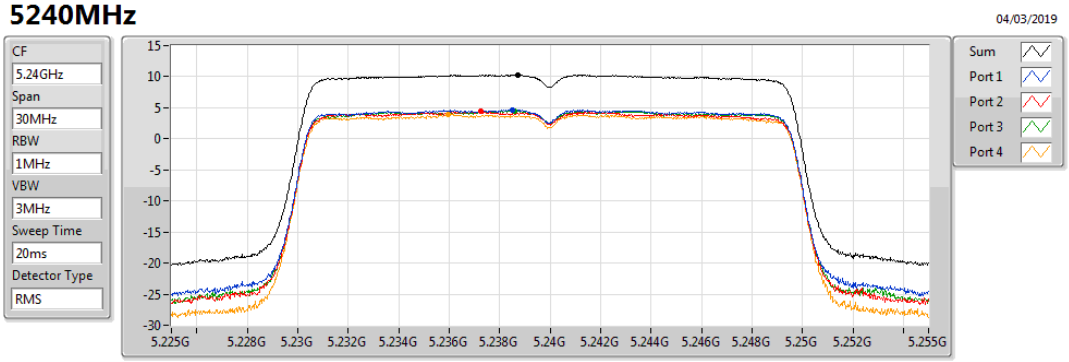
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.22	11.22	5.07	5.64	5.47	5.06

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

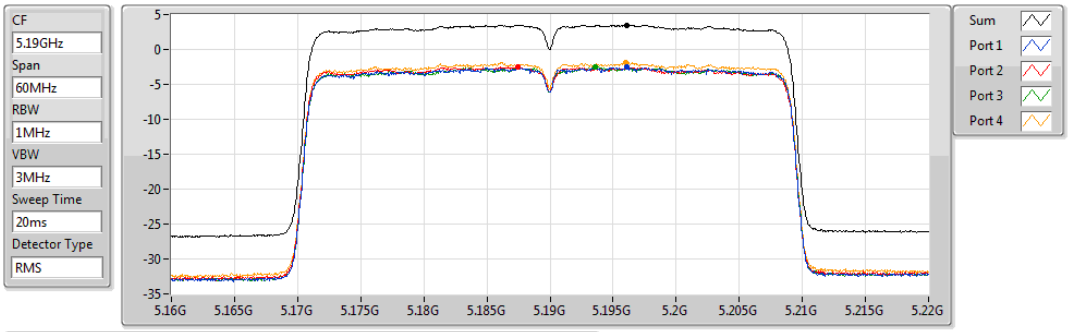
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.27	10.27	4.71	4.38	4.49	3.90

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

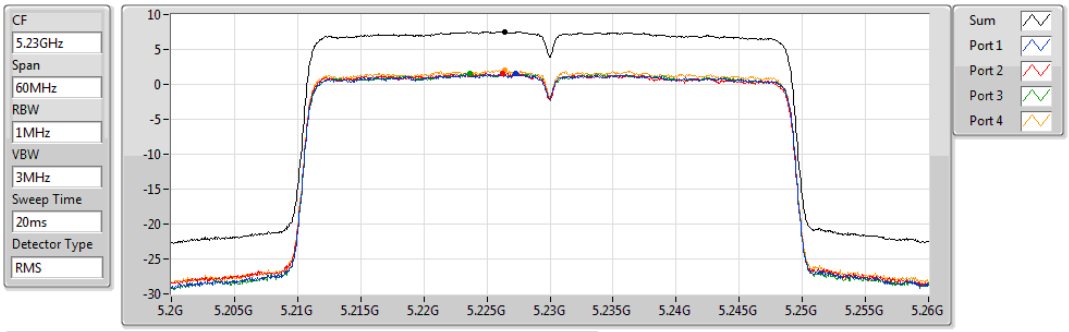
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.50	3.50	-2.57	-2.46	-2.55	-1.93

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

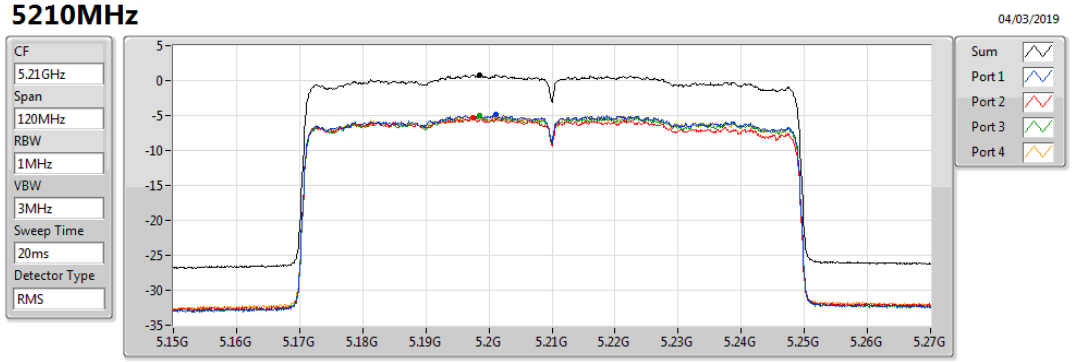
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.55	7.55	1.51	1.54	1.54	2.05

802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.82	0.82	-4.91	-5.27	-5.03	-4.98

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	11.24
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	7.47
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-0.03

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

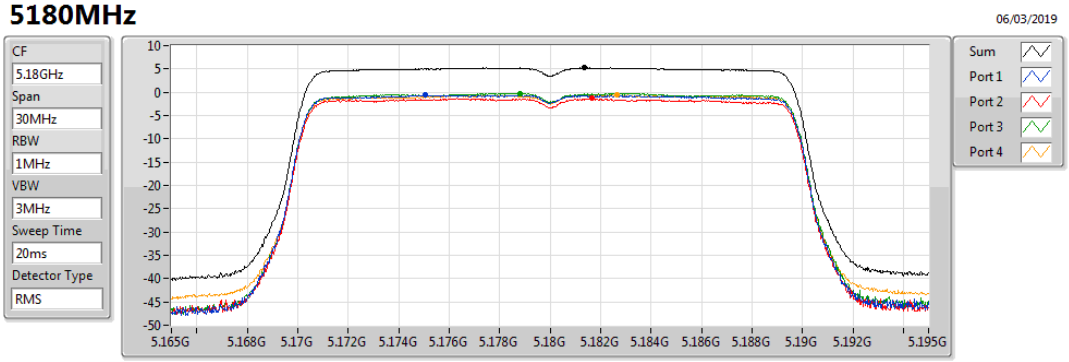
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	11.59	-0.64	-1.32	-0.20	-0.57	5.25	11.41
5200MHz	Pass	11.59	3.28	3.22	3.36	3.20	9.18	11.41
5240MHz	Pass	11.59	5.06	5.17	5.59	5.40	11.24	11.41
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	11.59	-4.79	-4.93	-4.06	-4.31	1.35	11.41
5230MHz	Pass	11.59	1.35	1.21	1.63	1.99	7.47	11.41
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	11.59	-5.99	-6.04	-5.54	-6.14	-0.03	11.41

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

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

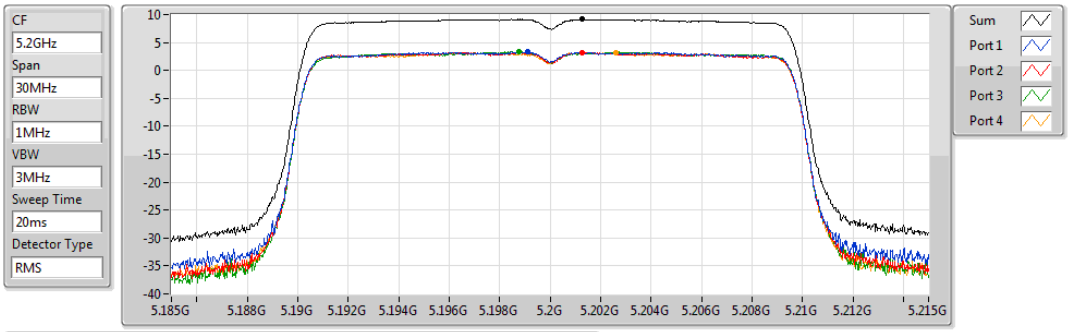
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.25	5.25	-0.64	-1.32	-0.20	-0.57

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

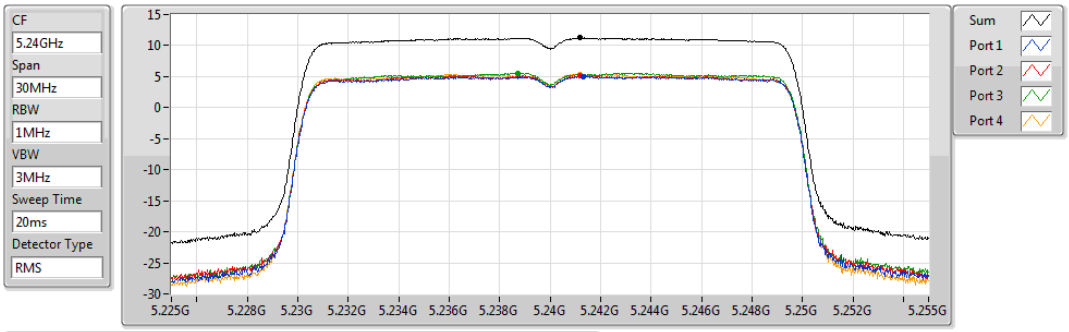
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.18	9.18	3.28	3.22	3.36	3.20

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

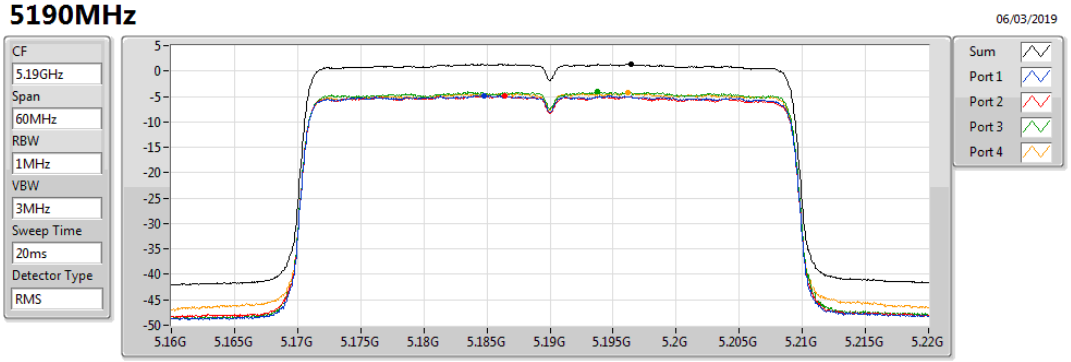
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.24	11.24	5.06	5.17	5.59	5.40

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

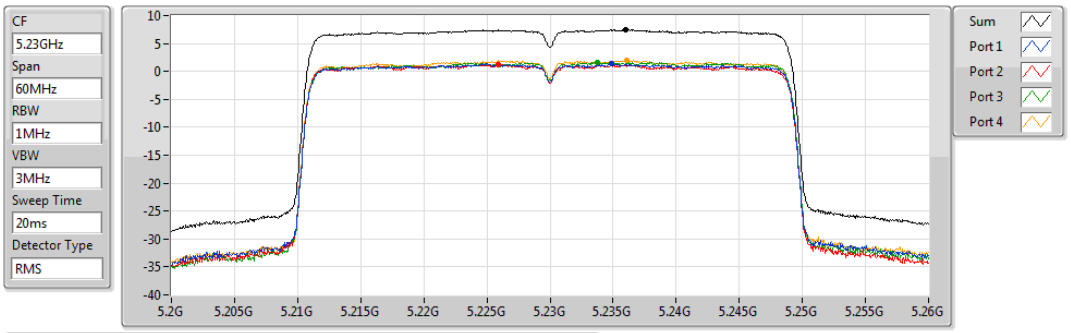
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.35	1.35	-4.79	-4.93	-4.06	-4.31

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

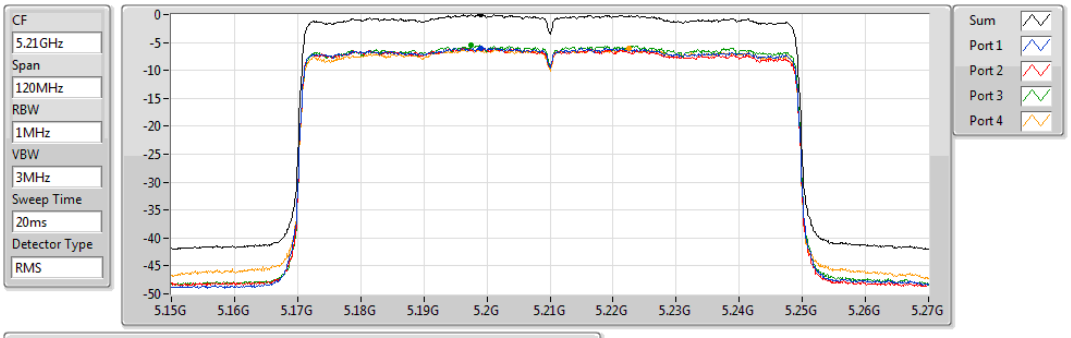
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.47	7.47	1.35	1.21	1.63	1.99

802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.03	-0.03	-5.99	-6.04	-5.54	-6.14

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	12.39
802.11ax HEW40_Nss4,(MCS0)_4TX	3.76

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

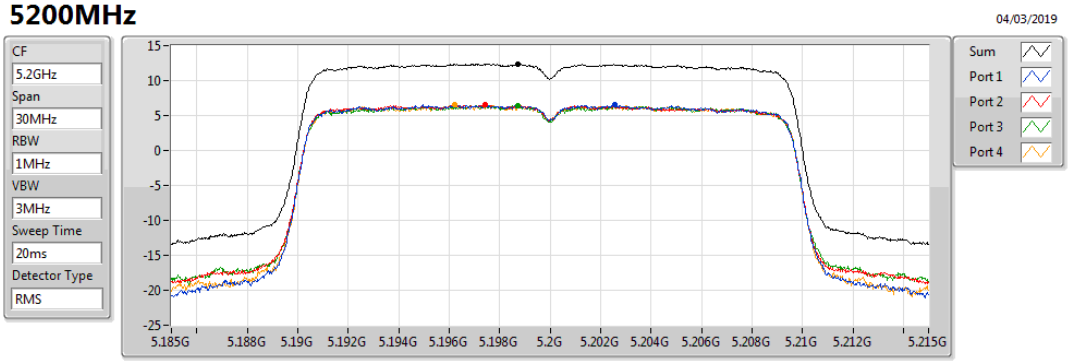
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5200MHz	Pass	5.58	6.51	6.51	6.45	6.49	12.39	17.00
5240MHz	Pass	5.58	4.49	4.89	4.87	4.64	10.55	17.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.58	-2.43	-2.52	-2.08	-1.70	3.76	17.00

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

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

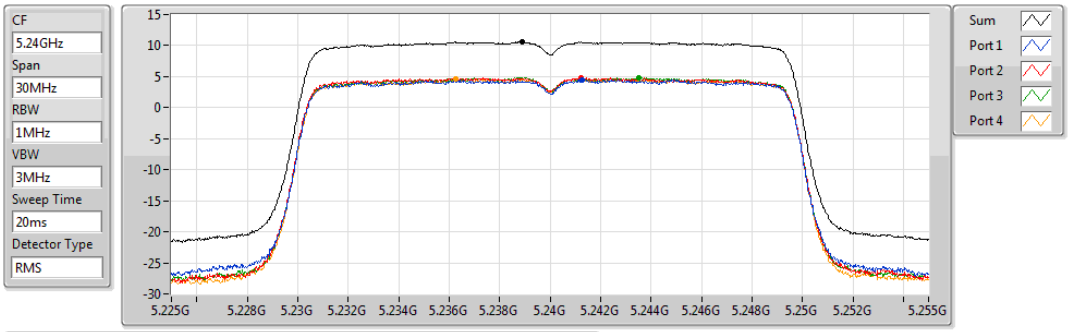
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.39	12.39	6.51	6.51	6.45	6.49

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

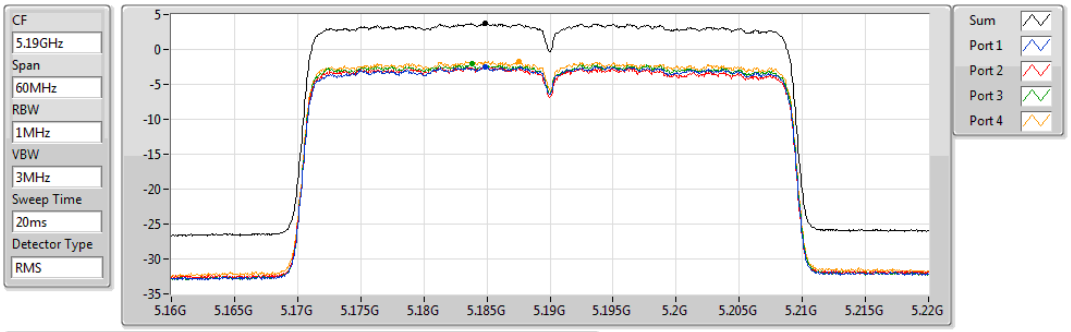
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.55	10.55	4.49	4.89	4.87	4.64

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.76	3.76	-2.43	-2.52	-2.08	-1.70

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	5.96
802.11ax HEW20_Nss1,(MCS0)_1TX	3.54
802.11ax HEW40_Nss1,(MCS0)_1TX	-1.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.62

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

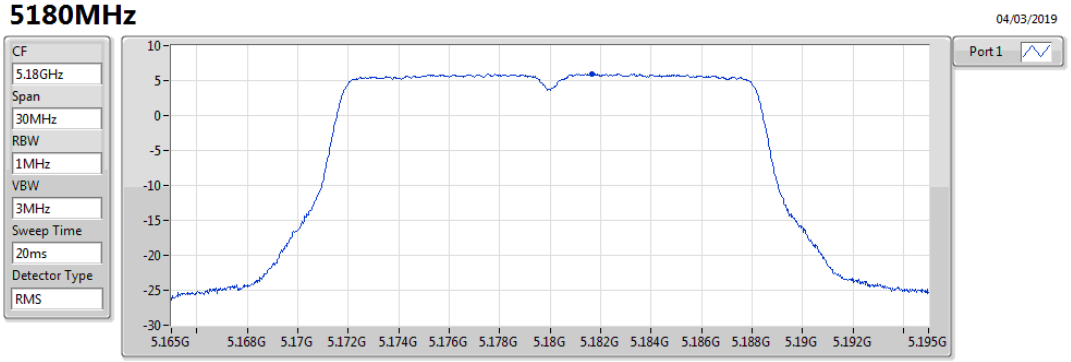
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	4.57	5.96	5.96	17.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	4.57	3.54	3.54	17.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	4.57	-1.00	-1.00	17.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	4.57	-3.62	-3.62	17.00

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

802.11a_Nss1,(6Mbps)_1TX PSD

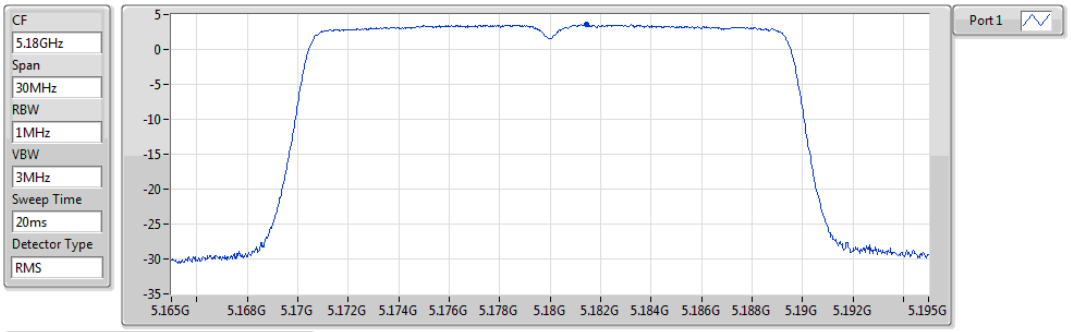
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.96	5.96	5.96

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

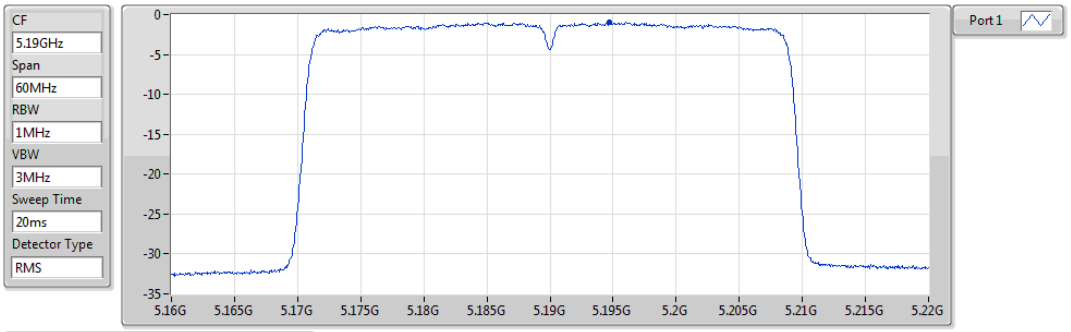
5180MHz



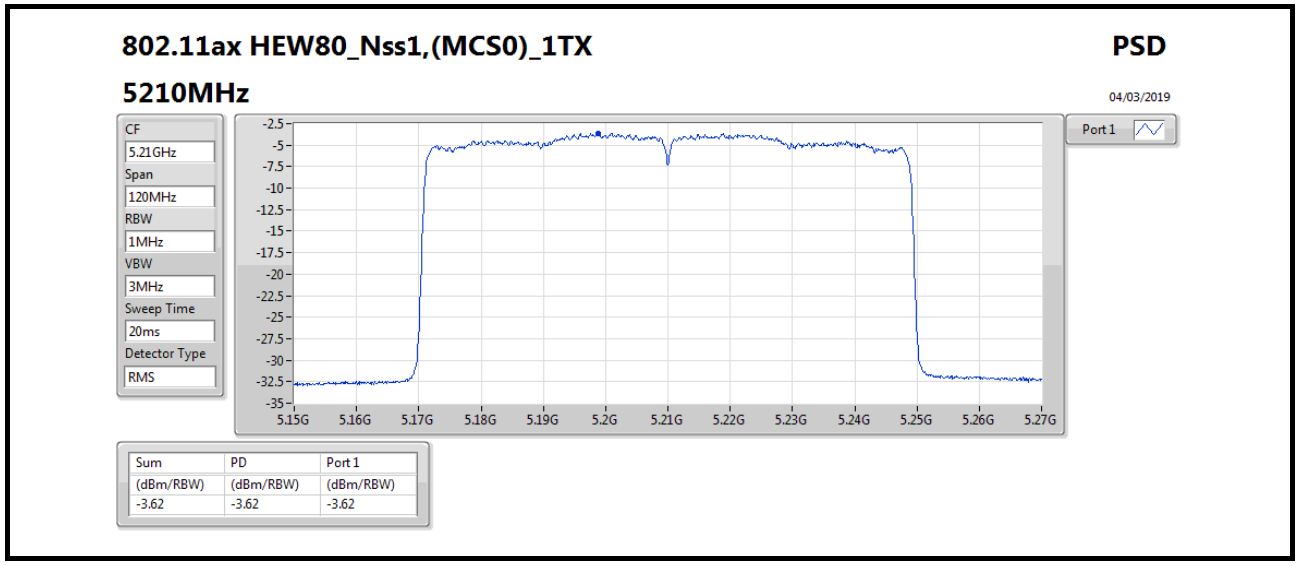
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.54	3.54	3.54

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

5190MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.00	-1.00	-1.00


802.11ax HEW80_Nss1,(MCS0)_1TX
PSD
5210MHz
04/03/2019
CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
-2.5
-5
-7.5
-10
-12.5
-15
-17.5
-20
-22.5
-25
-27.5
-30
-32.5
-35
5.15G
5.16G
5.17G
5.18G
5.19G
5.2G
5.21G
5.22G
5.23G
5.24G
5.25G
5.26G
5.27G
Port 1
Sum
PD
Port 1
(dBm/RBW)
(dBm/RBW)
(dBm/RBW)
-3.62
-3.62
-3.62

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	5.44
802.11ax HEW40_Nss2,(MCS0)_2TX	1.51
802.11ax HEW80_Nss2,(MCS0)_2TX	-1.83

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

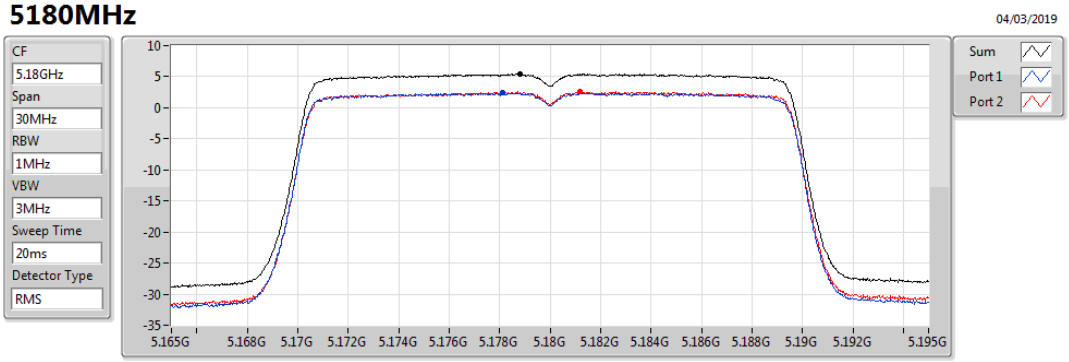
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.49	2.38	2.55	5.44	17.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	4.49	-1.42	-1.57	1.51	17.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	4.49	-5.47	-4.17	-1.83	17.00

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

802.11ax HEW20_Nss2,(MCS0)_2TX **PSD**

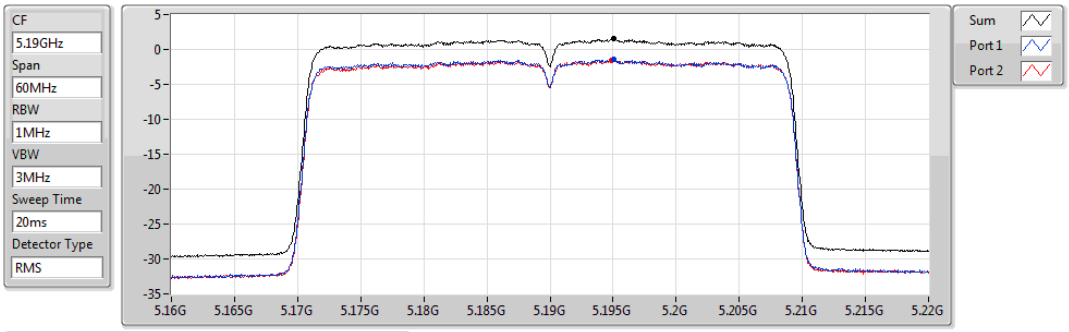
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.44	5.44	2.38	2.55

802.11ax HEW40_Nss2,(MCS0)_2TX **PSD**

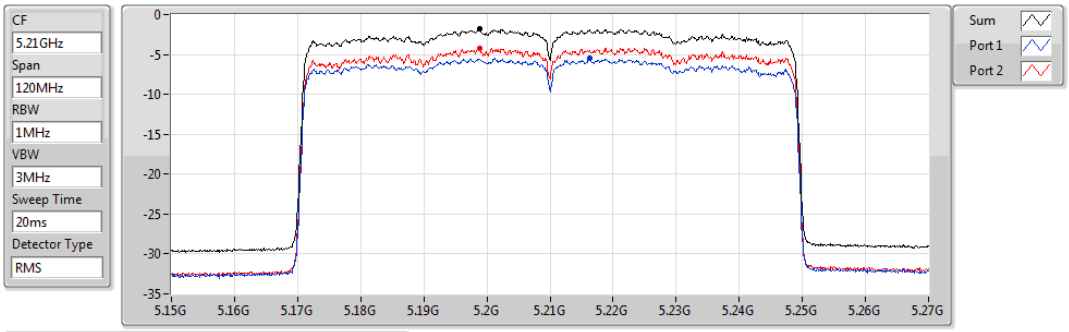
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.51	1.51	-1.42	-1.57

802.11ax HEW80_Nss2,(MCS0)_2TX **PSD**

5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.83	-1.83	-5.47	-4.17

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	12.00
802.11ax HEW20_Nss1,(MCS0)_4TX	10.23
802.11ax HEW40_Nss1,(MCS0)_4TX	7.64

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

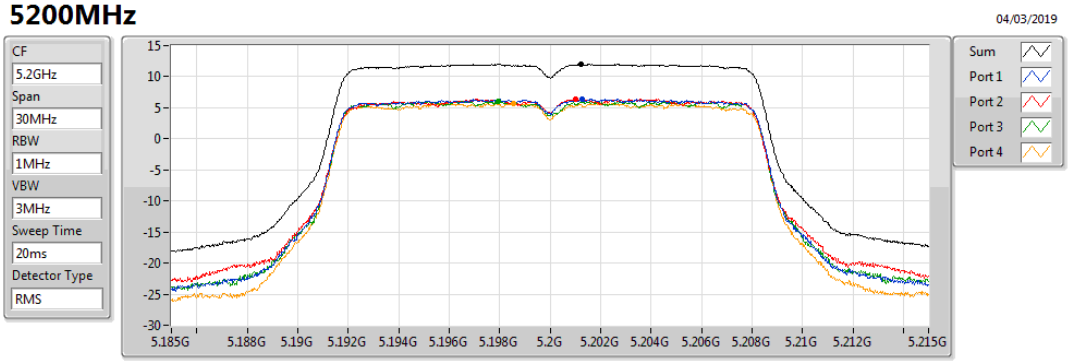
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5200MHz	Pass	10.81	6.36	6.44	6.02	5.67	12.00	12.19
5240MHz	Pass	10.81	4.67	5.33	4.81	4.60	10.76	12.19
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5240MHz	Pass	10.81	4.19	4.73	4.39	3.84	10.23	12.19
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5230MHz	Pass	10.81	1.77	1.52	1.89	1.65	7.64	12.19

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

802.11a_Nss1,(6Mbps)_4TX PSD

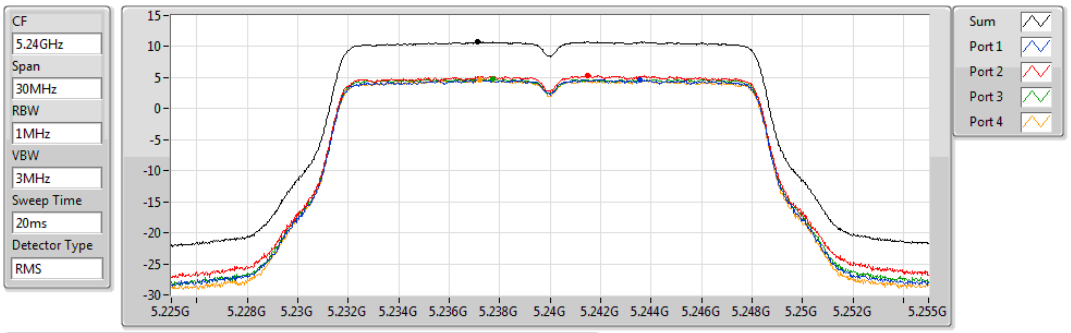
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.00	12.00	6.36	6.44	6.02	5.67

802.11a_Nss1,(6Mbps)_4TX PSD

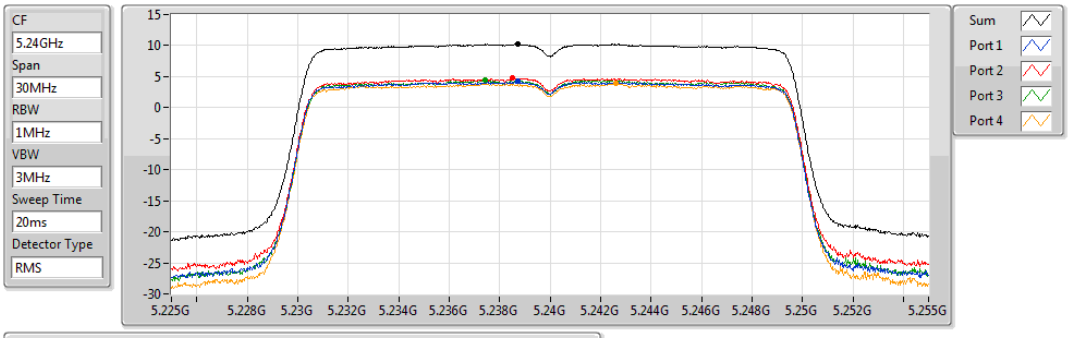
5240MHz



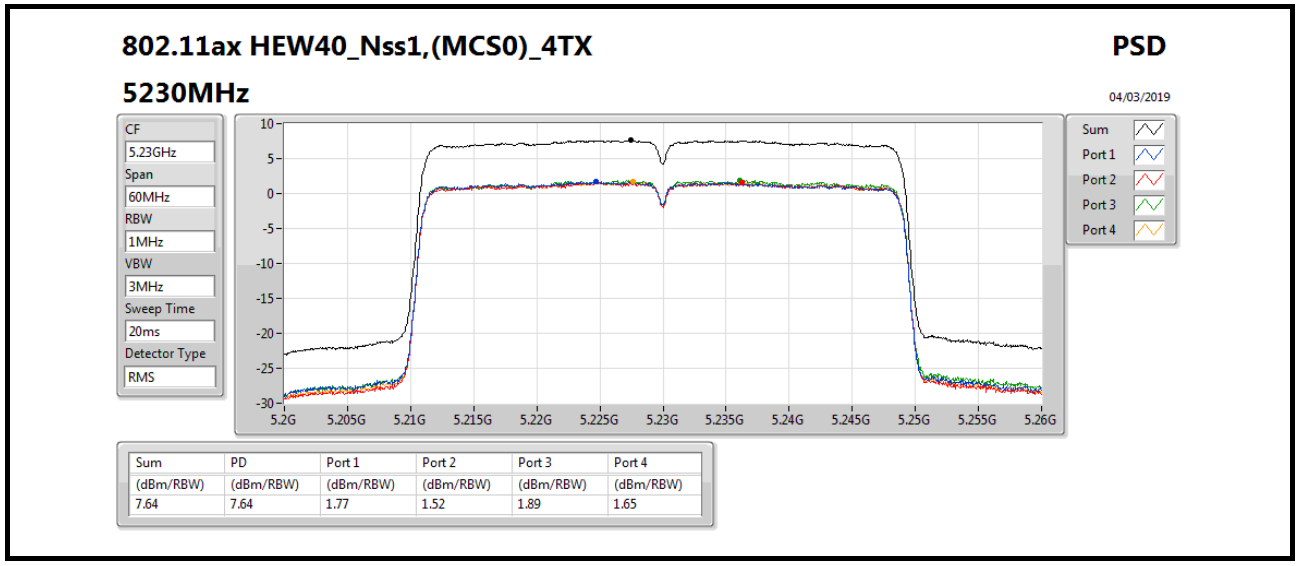
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.76	10.76	4.67	5.33	4.81	4.60

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.23	10.23	4.19	4.73	4.39	3.84


802.11ax HEW40_Nss1,(MCS0)_4TX
PSD
5230MHz
04/03/2019
CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
10
5
0
-5
-10
-15
-20
-25
-30
5.2G
5.205G
5.21G
5.215G
5.22G
5.225G
5.23G
5.235G
5.24G
5.245G
5.25G
5.255G
5.26G
Sum
Port 1
Port 2
Port 3
Port 4
Sum PD Port 1 Port 2 Port 3 Port 4
(dBm/RBW) (dBm/RBW) (dBm/RBW) (dBm/RBW) (dBm/RBW) (dBm/RBW)
7.64 7.64 1.77 1.52 1.89 1.65

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	12.16
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	5.25
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-0.57

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

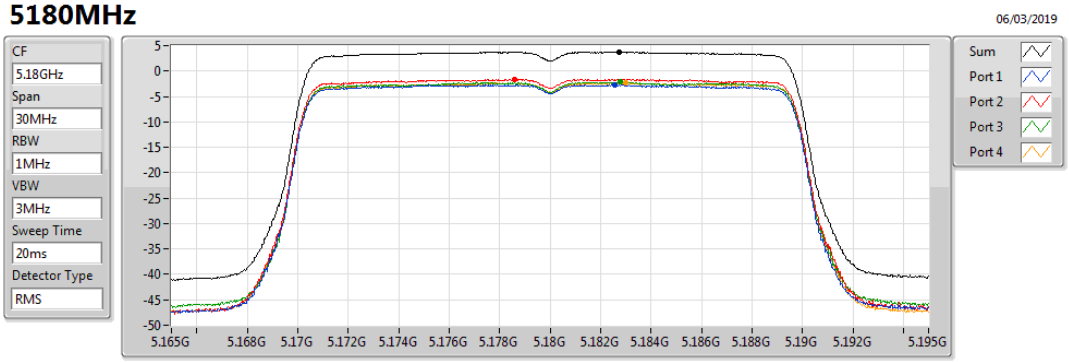
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.81	-2.71	-1.58	-2.17	-2.31	3.77	12.19
5200MHz	Pass	10.81	1.24	2.12	2.01	1.58	7.71	12.19
5240MHz	Pass	10.81	6.26	6.49	6.20	5.86	12.16	12.19
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.81	-6.06	-5.33	-5.10	-5.93	0.32	12.19
5230MHz	Pass	10.81	-0.76	-0.77	-0.15	-0.96	5.25	12.19
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.81	-7.00	-6.27	-6.17	-6.68	-0.57	12.19

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

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

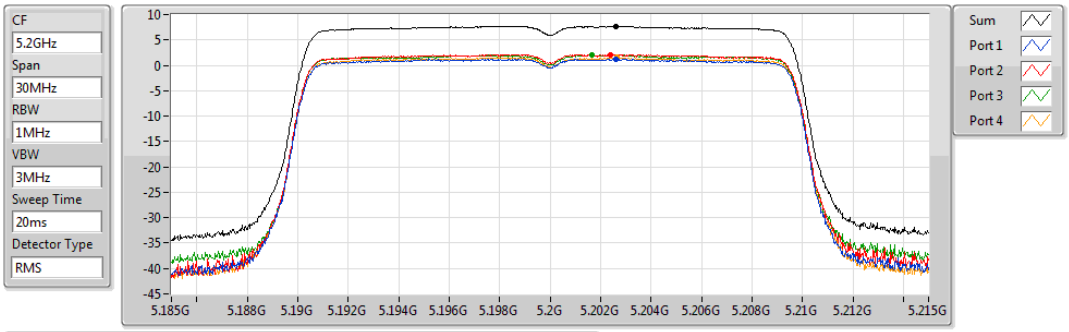
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.77	3.77	-2.71	-1.58	-2.17	-2.31

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

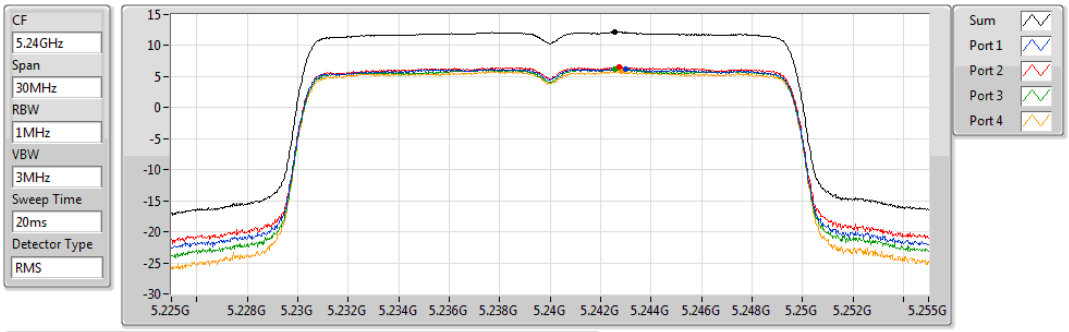
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.71	7.71	1.24	2.12	2.01	1.58

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

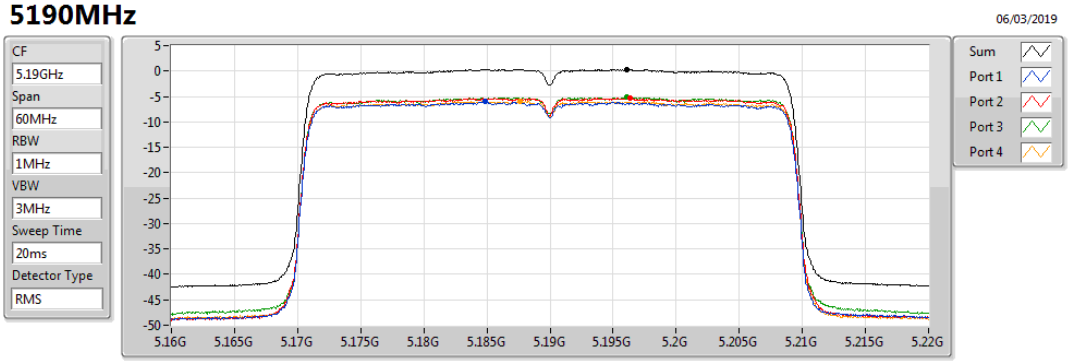
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.16	12.16	6.26	6.49	6.20	5.86

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

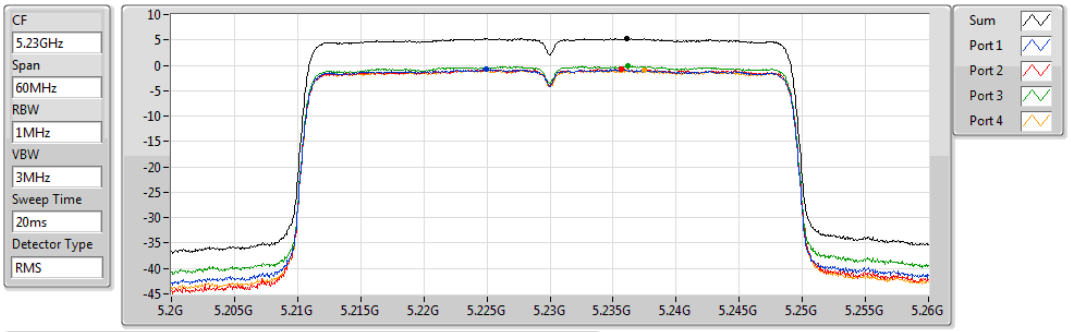
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.32	0.32	-6.06	-5.33	-5.10	-5.93

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

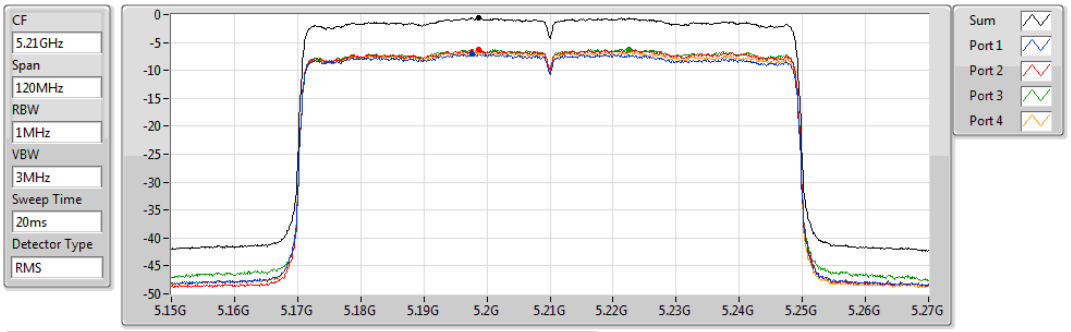
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.25	5.25	-0.76	-0.77	-0.15	-0.96

802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.57	-0.57	-7.00	-6.27	-6.17	-6.68

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	8.14
802.11ax HEW40_Nss4,(MCS0)_4TX	7.67

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

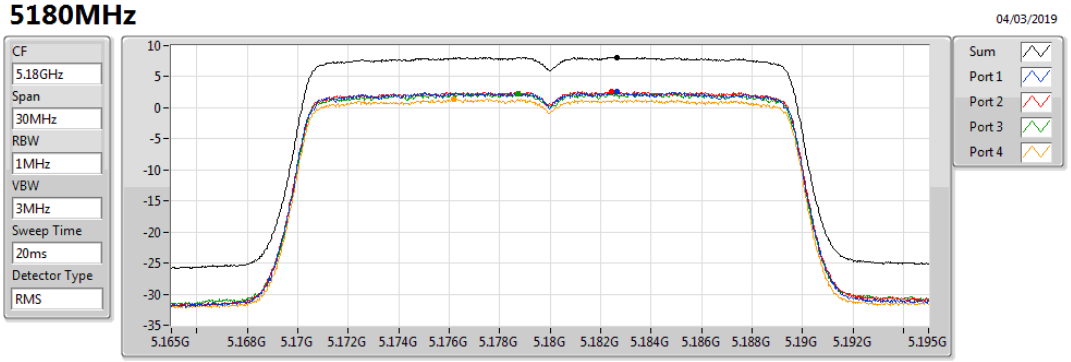
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.79	2.62	2.61	2.31	1.46	8.14	17.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5230MHz	Pass	4.79	1.68	1.65	2.21	1.66	7.67	17.00

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

802.11ax HEW20_Nss4,(MCS0)_4TX **PSD**

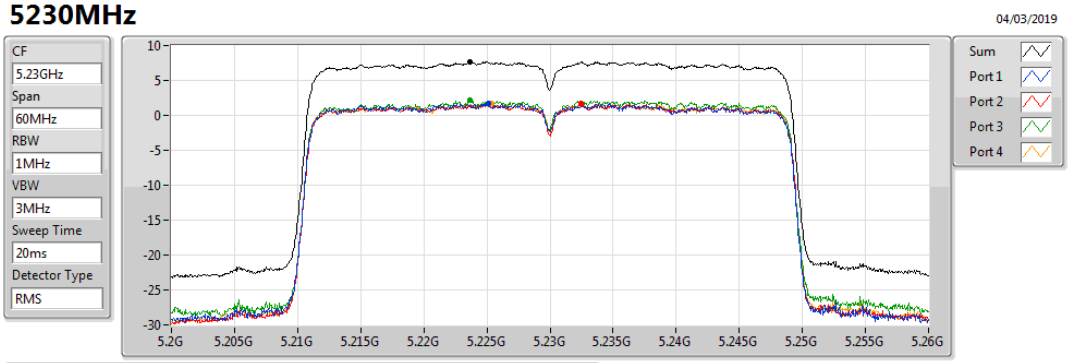
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.14	8.14	2.62	2.61	2.31	1.46

802.11ax HEW40_Nss4,(MCS0)_4TX **PSD**

5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.67	7.67	1.68	1.65	2.21	1.66

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	1.36

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

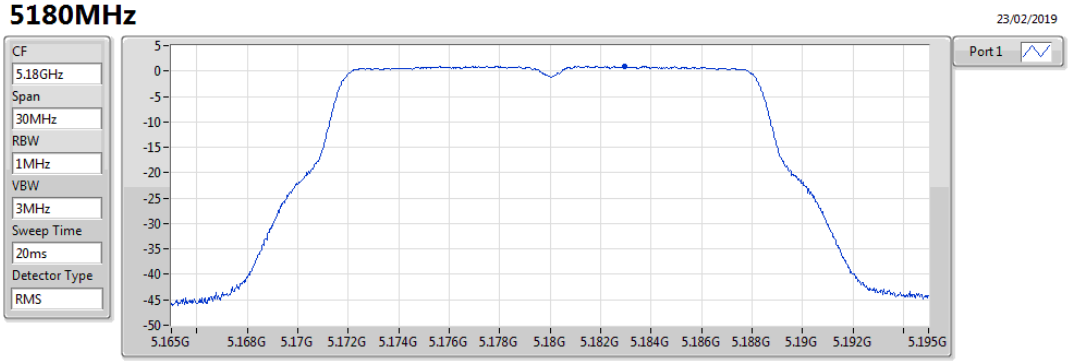
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	5.89	0.91	0.91	17.00
5200MHz	Pass	5.89	1.36	1.36	17.00
5240MHz	Pass	5.89	1.32	1.32	17.00

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

802.11a_Nss1,(6Mbps)_1TX **PSD**

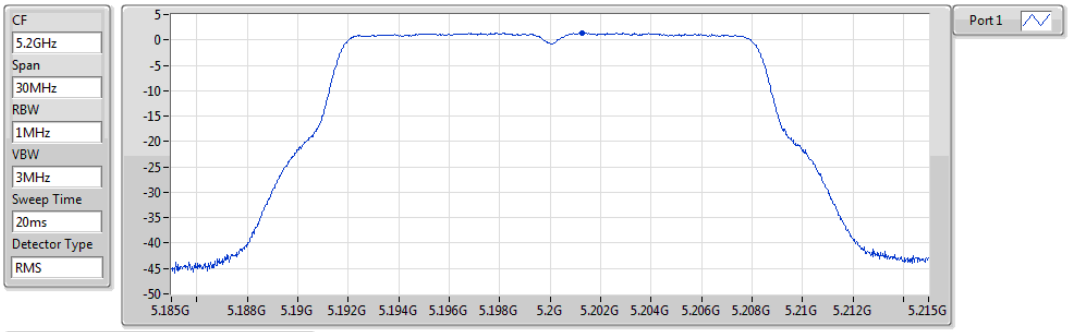
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.91	0.91	0.91

802.11a_Nss1,(6Mbps)_1TX **PSD**

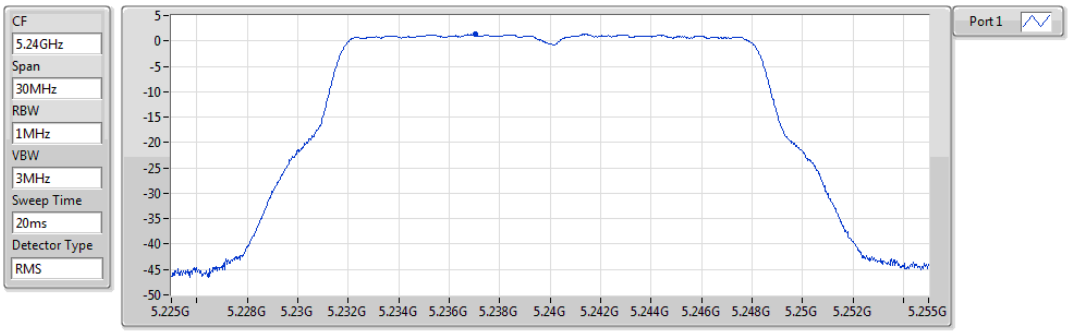
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.36	1.36	1.36

802.11a_Nss1,(6Mbps)_1TX **PSD**

5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.32	1.32	1.32

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss1,(MCS0)_1TX	0.68
802.11ax HEW40_Nss1,(MCS0)_1TX	-1.93
802.11ax HEW80_Nss1,(MCS0)_1TX	-4.79

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

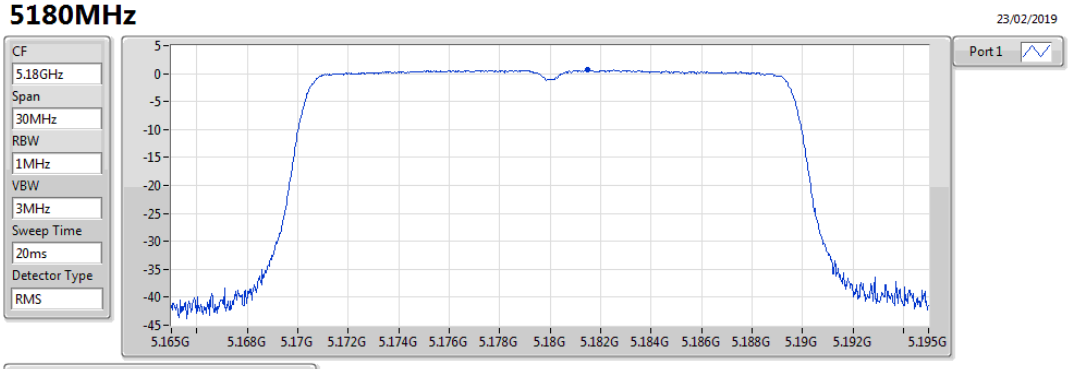
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	5.89	0.62	0.62	17.00
5200MHz	Pass	5.89	0.68	0.68	17.00
5240MHz	Pass	5.89	0.65	0.65	17.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	5.89	-1.93	-1.93	17.00
5230MHz	Pass	5.89	-2.02	-2.02	17.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	5.89	-4.79	-4.79	17.00

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

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

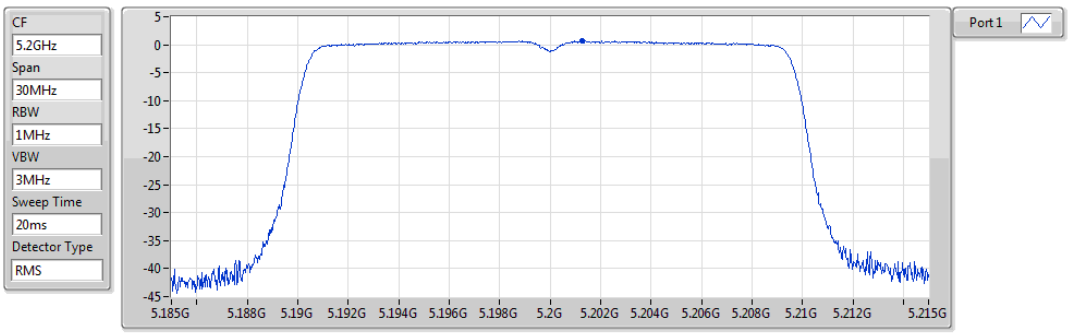
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.62	0.62	0.62

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

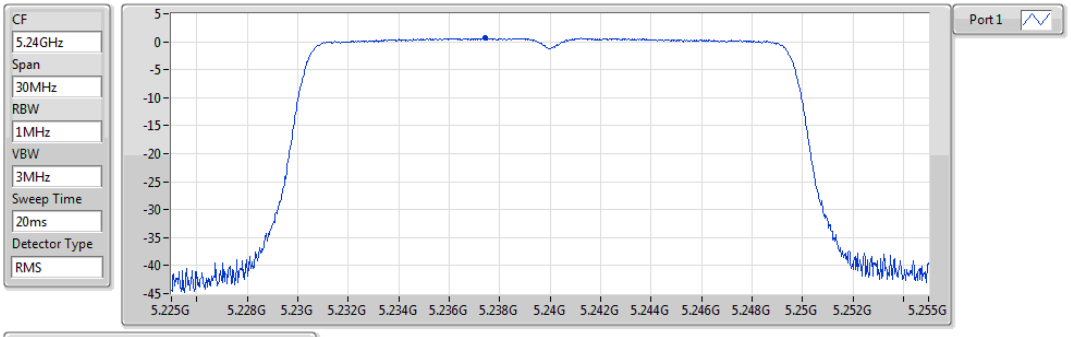
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.68	0.68	0.68

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

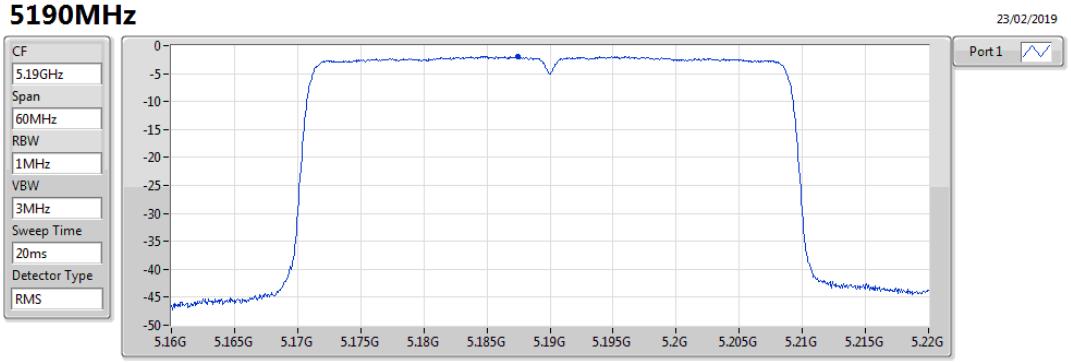
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.65	0.65	0.65

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

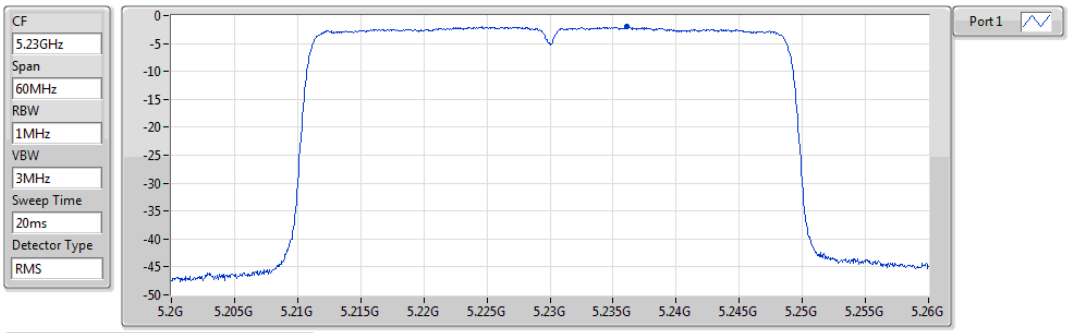
5190MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.93	-1.93	-1.93

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

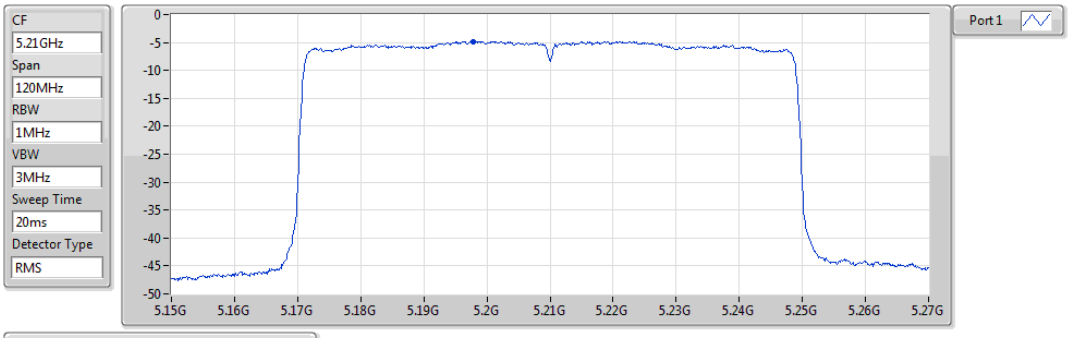
5230MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.02	-2.02	-2.02

802.11ax HEW80_Nss1,(MCS0)_1TX **PSD**

5210MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.79	-4.79	-4.79

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	1.10
802.11ax HEW40_Nss2,(MCS0)_2TX	-1.58
802.11ax HEW80_Nss2,(MCS0)_2TX	-4.13

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

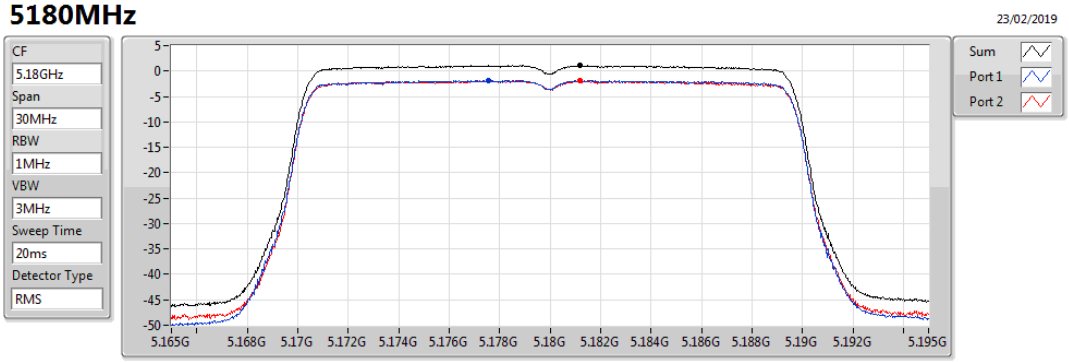
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.63	-1.79	-1.96	1.10	17.00
5200MHz	Pass	5.63	-1.97	-2.02	1.02	17.00
5240MHz	Pass	5.63	-1.80	-2.31	0.95	17.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.63	-4.38	-4.55	-1.58	17.00
5230MHz	Pass	5.63	-4.73	-4.62	-1.75	17.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	5.63	-6.92	-7.12	-4.13	17.00

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

802.11ax HEW20_Nss2,(MCS0)_2TX **PSD**

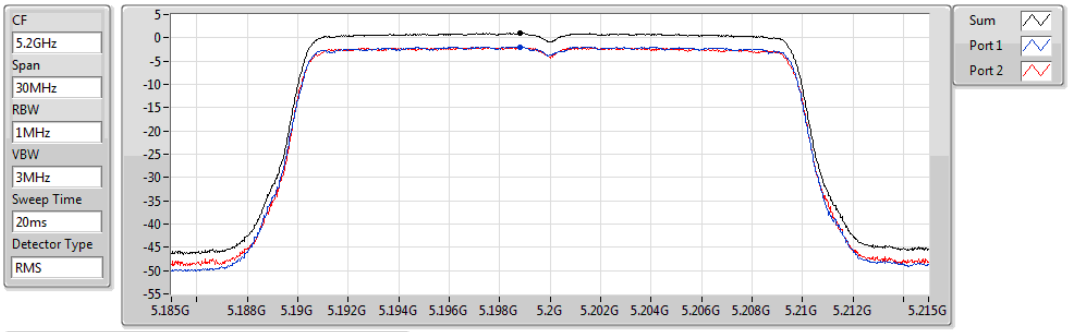
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.10	1.10	-1.79	-1.96

802.11ax HEW20_Nss2,(MCS0)_2TX **PSD**

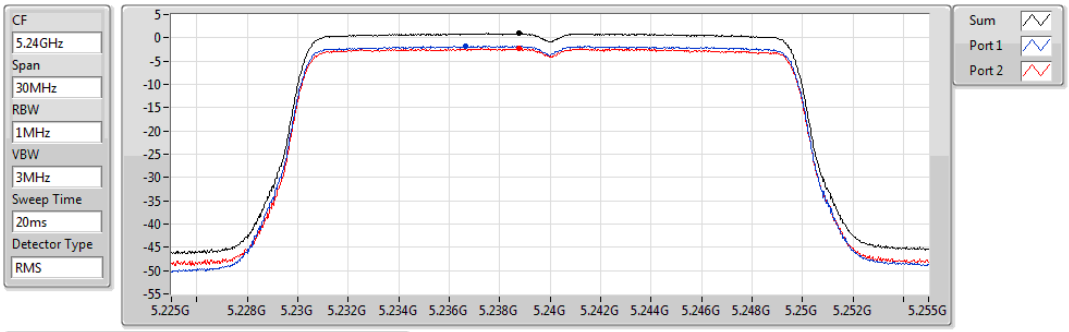
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.02	1.02	-1.97	-2.02

802.11ax HEW20_Nss2,(MCS0)_2TX **PSD**

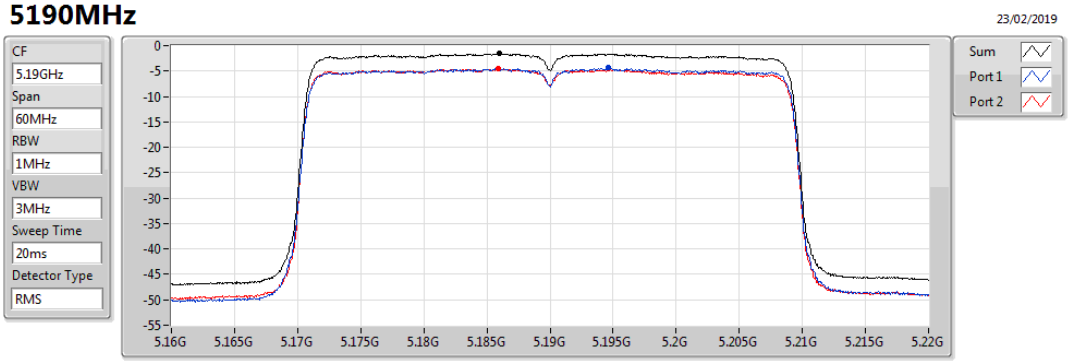
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.95	0.95	-1.80	-2.31

802.11ax HEW40_Nss2,(MCS0)_2TX **PSD**

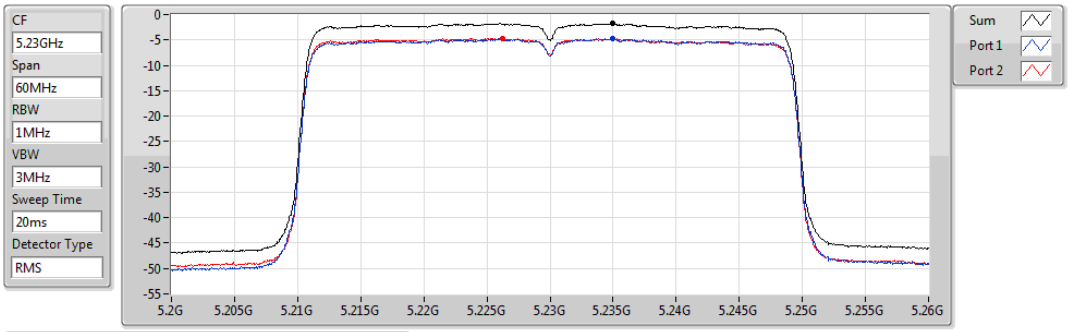
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.58	-1.58	-4.38	-4.55

802.11ax HEW40_Nss2,(MCS0)_2TX **PSD**

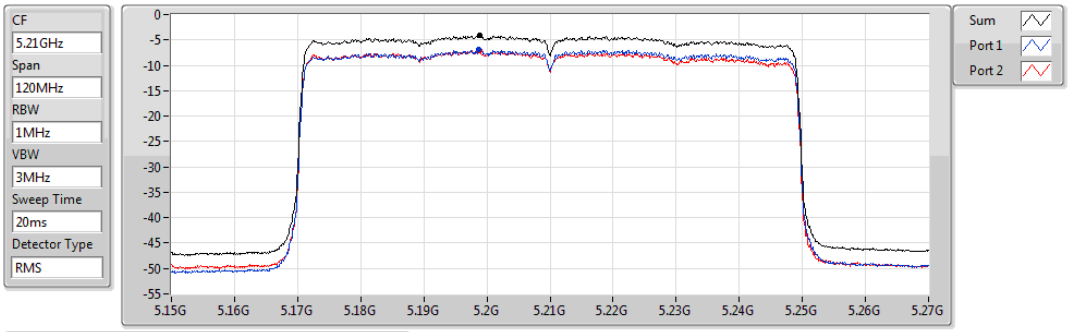
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.75	-1.75	-4.73	-4.62

802.11ax HEW80_Nss2,(MCS0)_2TX **PSD**

5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.13	-4.13	-6.92	-7.12

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	1.40

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

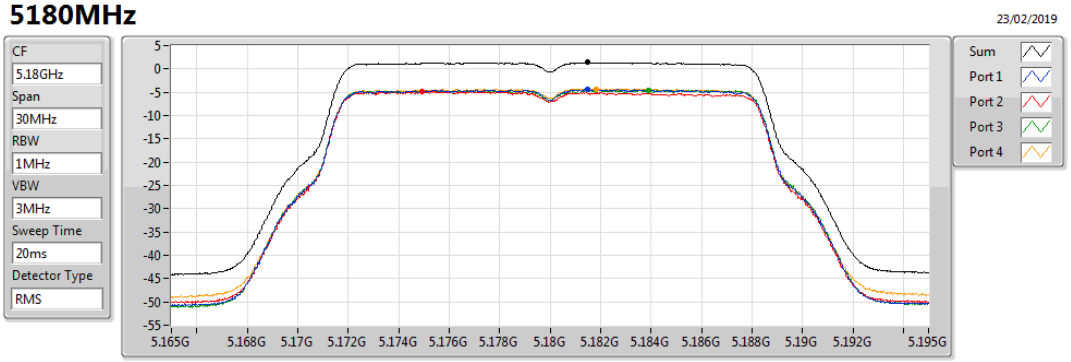
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	11.59	-4.37	-4.88	-4.56	-4.29	1.37	11.41
5200MHz	Pass	11.59	-4.17	-4.54	-4.58	-5.11	1.25	11.41
5240MHz	Pass	11.59	-4.10	-4.40	-4.25	-5.13	1.40	11.41

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

802.11a_Nss1,(6Mbps)_4TX PSD

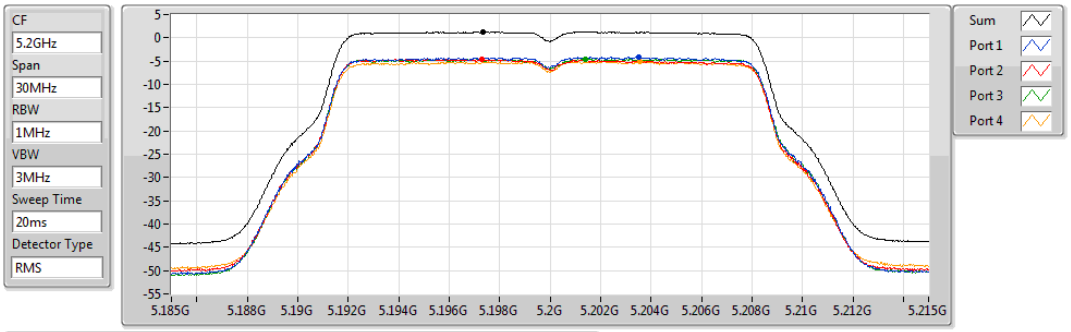
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.37	1.37	-4.37	-4.88	-4.56	-4.29

802.11a_Nss1,(6Mbps)_4TX PSD

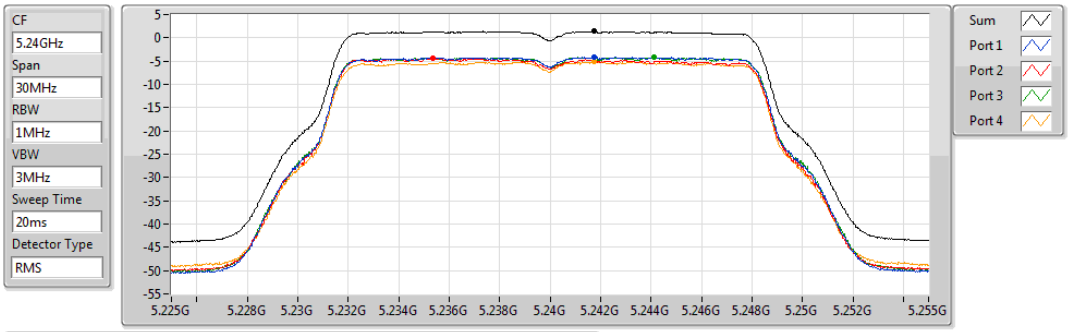
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.25	1.25	-4.17	-4.54	-4.58	-5.11

802.11a_Nss1,(6Mbps)_4TX PSD

5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.40	1.40	-4.10	-4.40	-4.25	-5.13

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	0.81
802.11ax HEW40_Nss1,(MCS0)_4TX	-2.09
802.11ax HEW80_Nss1,(MCS0)_4TX	-4.91

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

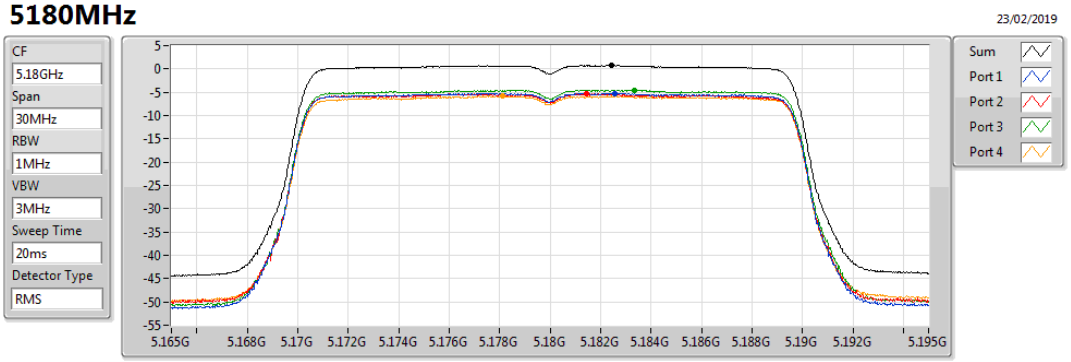
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	11.59	-5.21	-5.27	-4.54	-5.81	0.74	11.41
5200MHz	Pass	11.59	-5.33	-5.02	-4.42	-5.80	0.81	11.41
5240MHz	Pass	11.59	-5.41	-5.47	-4.47	-6.03	0.58	11.41
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	11.59	-7.53	-8.24	-7.98	-8.30	-2.09	11.41
5230MHz	Pass	11.59	-7.70	-8.25	-8.36	-8.47	-2.29	11.41
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	11.59	-11.18	-10.74	-10.22	-11.09	-4.91	11.41

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

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

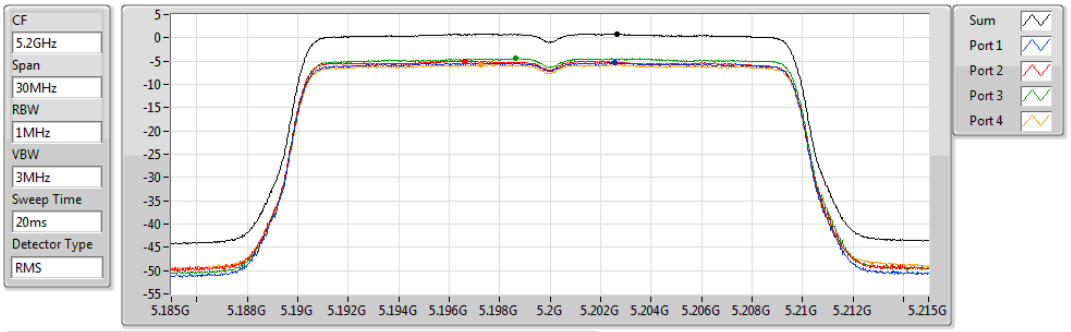
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.74	0.74	-5.21	-5.27	-4.54	-5.81

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

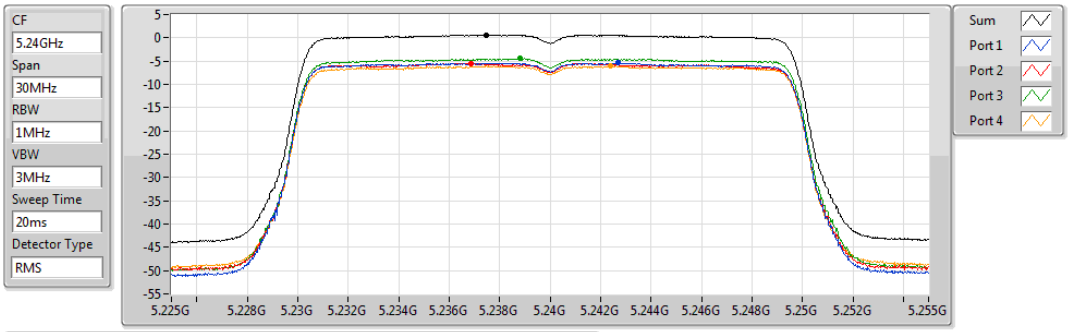
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.81	0.81	-5.33	-5.02	-4.42	-5.80

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

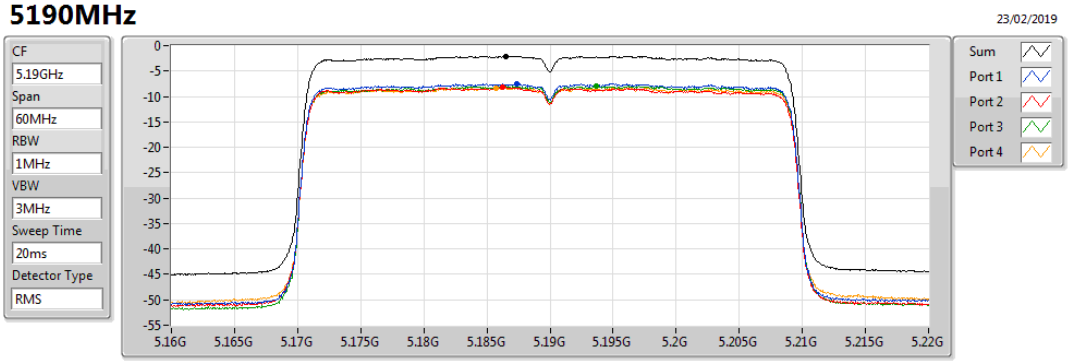
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.58	0.58	-5.41	-5.47	-4.47	-6.03

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

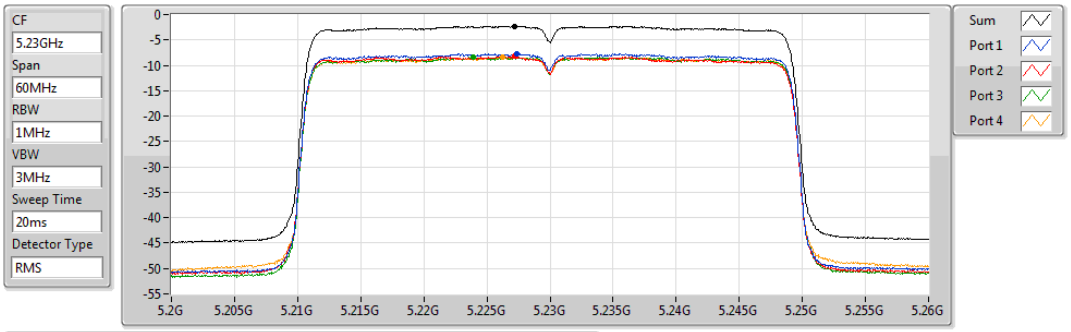
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.09	-2.09	-7.53	-8.24	-7.98	-8.30

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

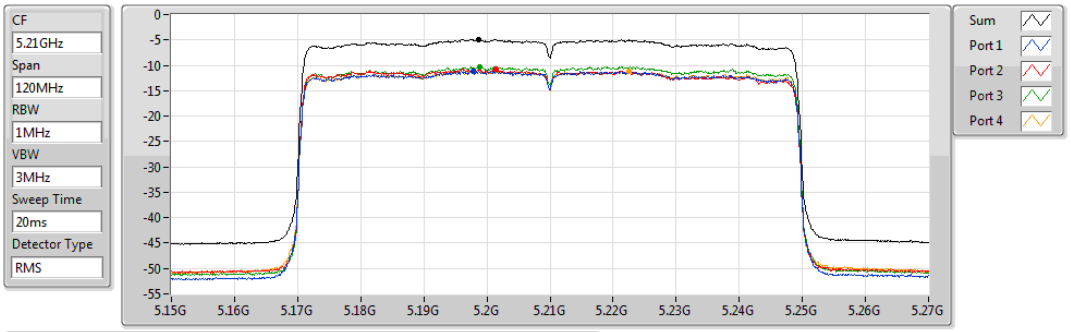
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.29	-2.29	-7.70	-8.25	-8.36	-8.47

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.91	-4.91	-11.18	-10.74	-10.22	-11.09

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-4.49
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-7.26
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-10.53

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

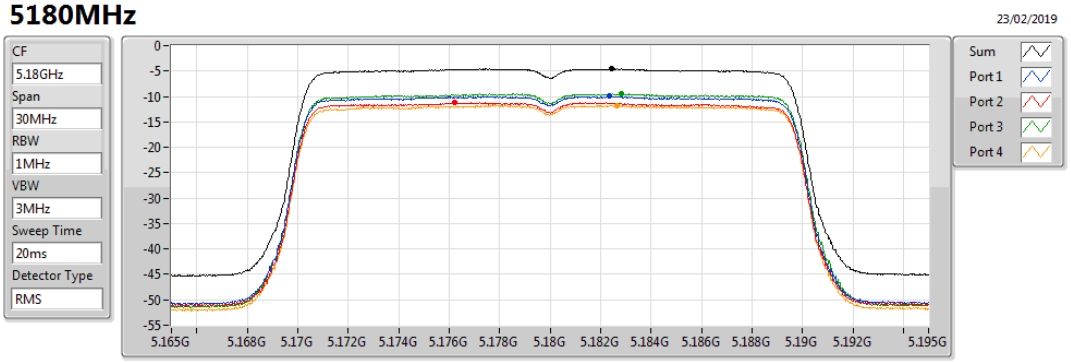
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	11.59	-9.98	-11.22	-9.45	-11.76	-4.57	11.41
5200MHz	Pass	11.59	-9.97	-11.17	-9.31	-11.71	-4.49	11.41
5240MHz	Pass	11.59	-9.63	-11.34	-9.59	-11.93	-4.59	11.41
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	11.59	-13.75	-13.57	-12.79	-13.72	-7.53	11.41
5230MHz	Pass	11.59	-13.32	-12.96	-12.76	-13.77	-7.26	11.41
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	11.59	-16.48	-15.88	-16.12	-17.14	-10.53	11.41

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

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **PSD**

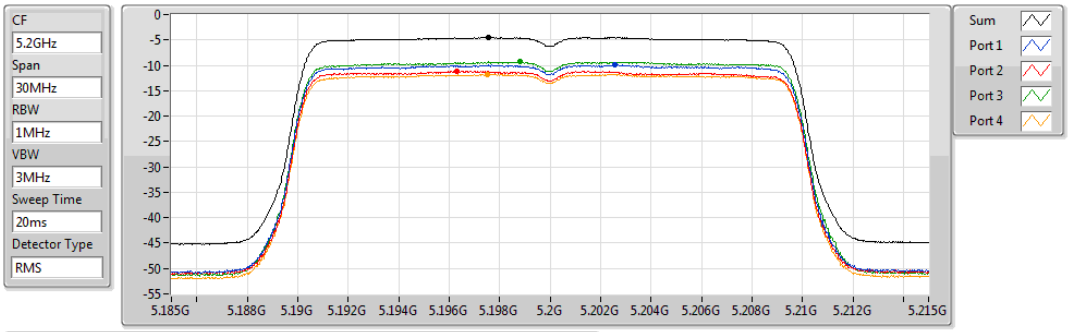
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.57	-4.57	-9.98	-11.22	-9.45	-11.76

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **PSD**

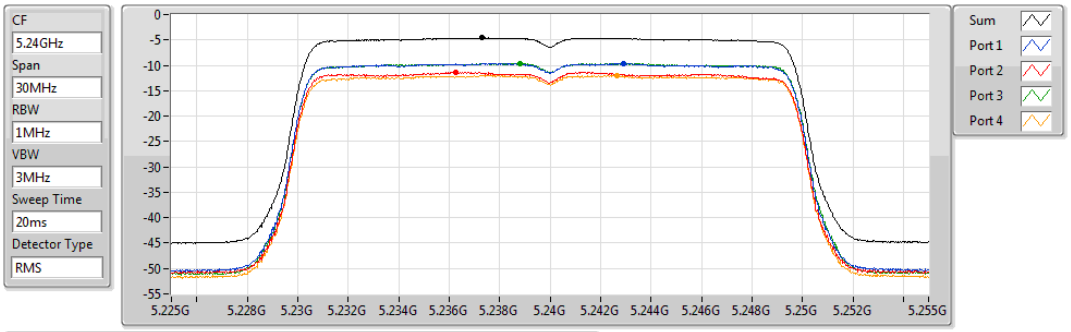
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.49	-4.49	-9.97	-11.17	-9.31	-11.71

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **PSD**

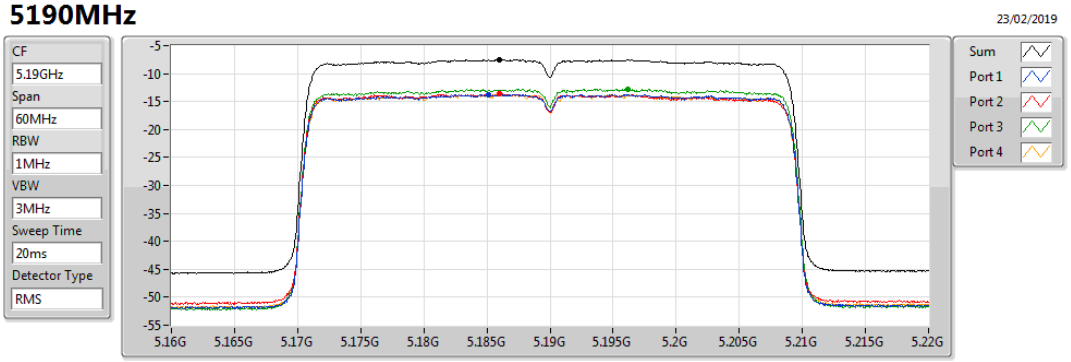
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.59	-4.59	-9.63	-11.34	-9.59	-11.93

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

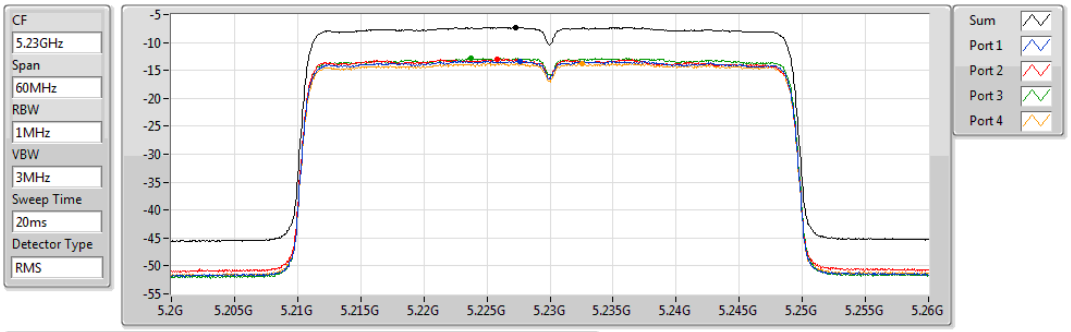
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.53	-7.53	-13.75	-13.57	-12.79	-13.72

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

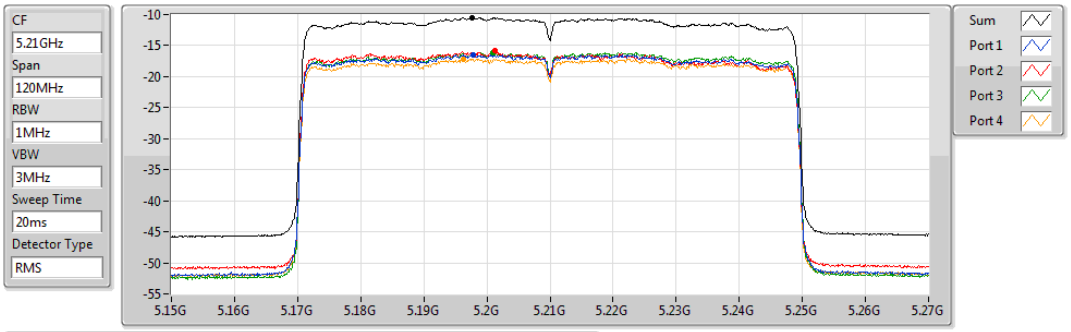
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.26	-7.26	-13.32	-12.96	-12.76	-13.77

802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.53	-10.53	-16.48	-15.88	-16.12	-17.14

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	1.19
802.11ax HEW40_Nss4,(MCS0)_4TX	-1.52
802.11ax HEW80_Nss4,(MCS0)_4TX	-4.34

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

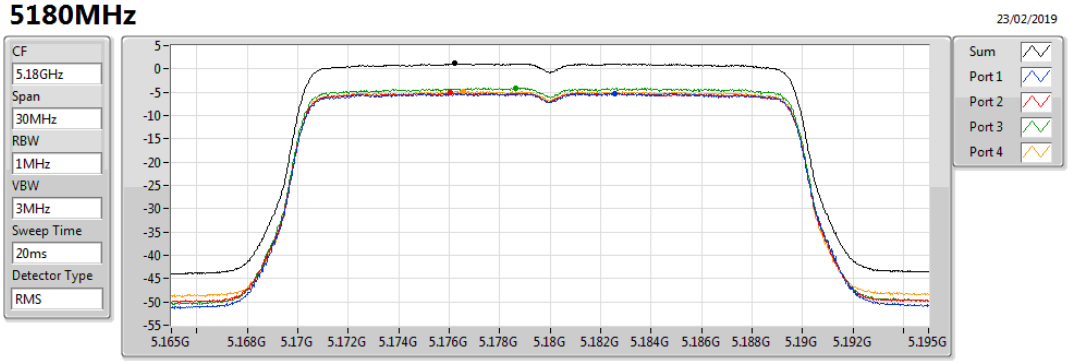
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.58	-5.21	-5.07	-4.09	-4.78	1.15	17.00
5200MHz	Pass	5.58	-5.32	-4.85	-4.30	-4.99	1.07	17.00
5240MHz	Pass	5.58	-5.18	-4.72	-4.09	-4.99	1.19	17.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.58	-7.56	-7.17	-6.82	-8.04	-1.52	17.00
5230MHz	Pass	5.58	-7.04	-7.29	-7.16	-7.96	-1.55	17.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.58	-10.25	-9.98	-9.94	-10.70	-4.34	17.00

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

802.11ax HEW20_Nss4,(MCS0)_4TX **PSD**

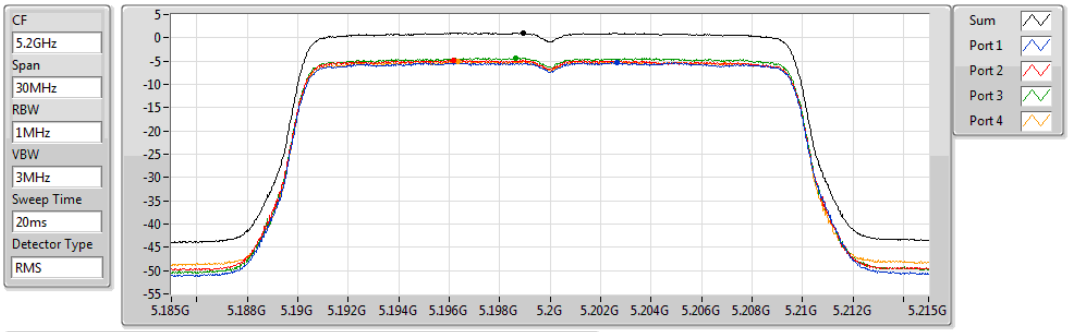
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.15	1.15	-5.21	-5.07	-4.09	-4.78

802.11ax HEW20_Nss4,(MCS0)_4TX **PSD**

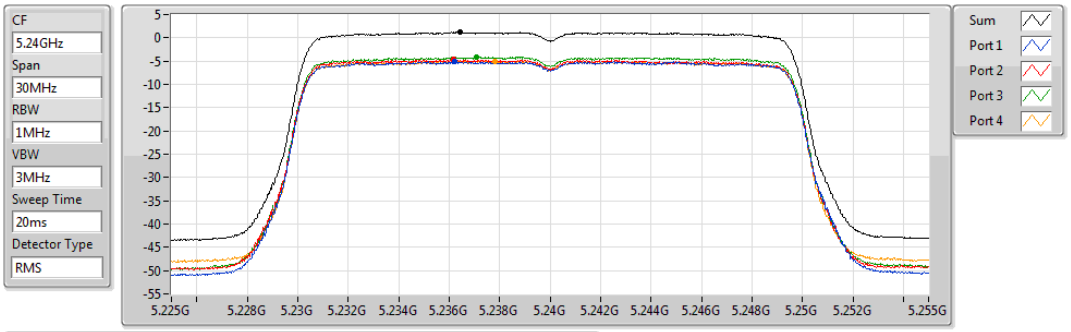
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.07	1.07	-5.32	-4.85	-4.30	-4.99

802.11ax HEW20_Nss4,(MCS0)_4TX **PSD**

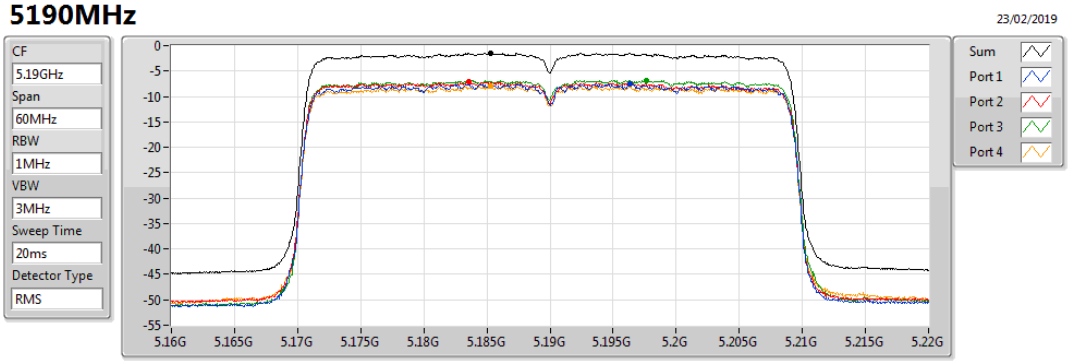
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.19	1.19	-5.18	-4.72	-4.09	-4.99

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

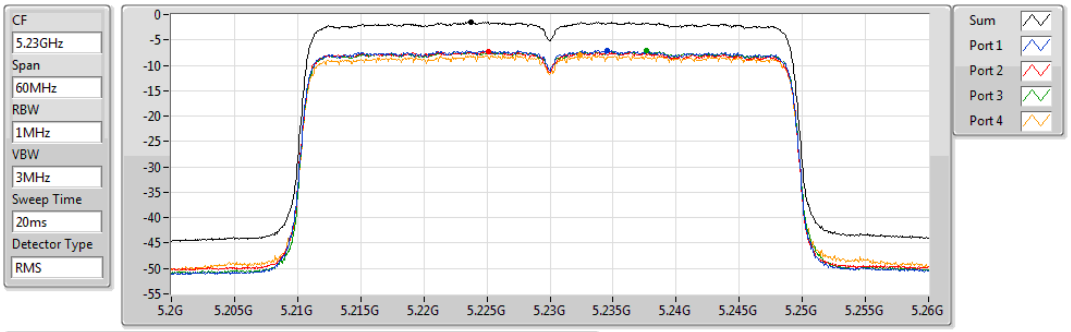
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.52	-1.52	-7.56	-7.17	-6.82	-8.04

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

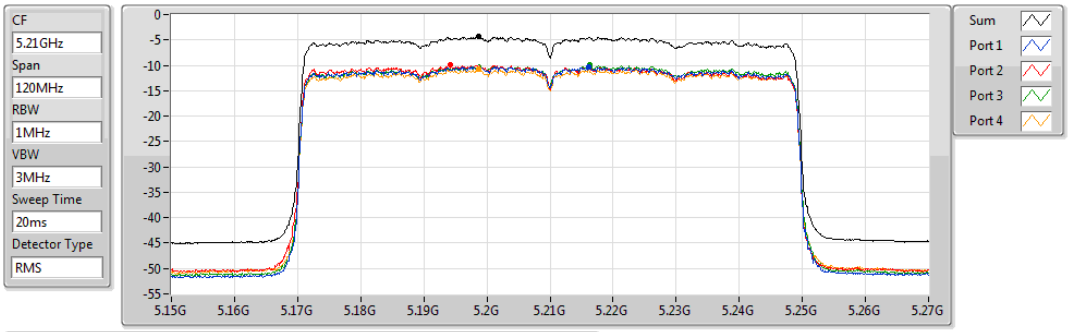
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.55	-1.55	-7.04	-7.29	-7.16	-7.96

802.11ax HEW80_Nss4,(MCS0)_4TX PSD

5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.34	-4.34	-10.25	-9.98	-9.94	-10.70

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	2.95

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

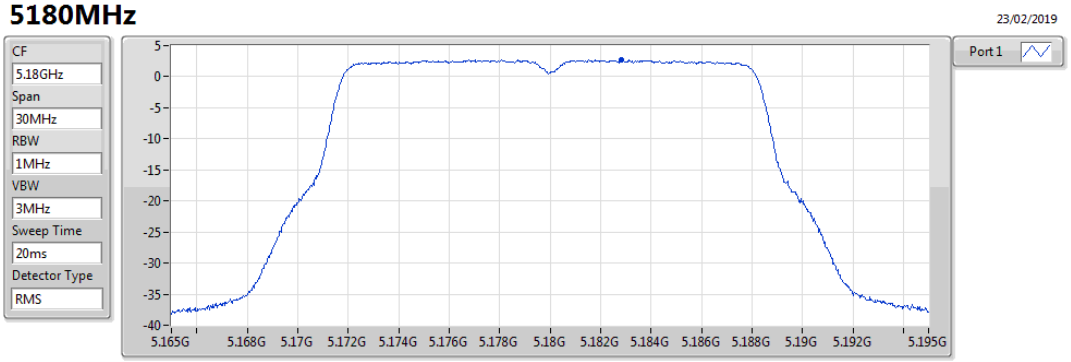
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	4.57	2.70	2.70	17.00
5200MHz	Pass	4.57	2.82	2.82	17.00
5240MHz	Pass	4.57	2.95	2.95	17.00

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

802.11a_Nss1,(6Mbps)_1TX **PSD**

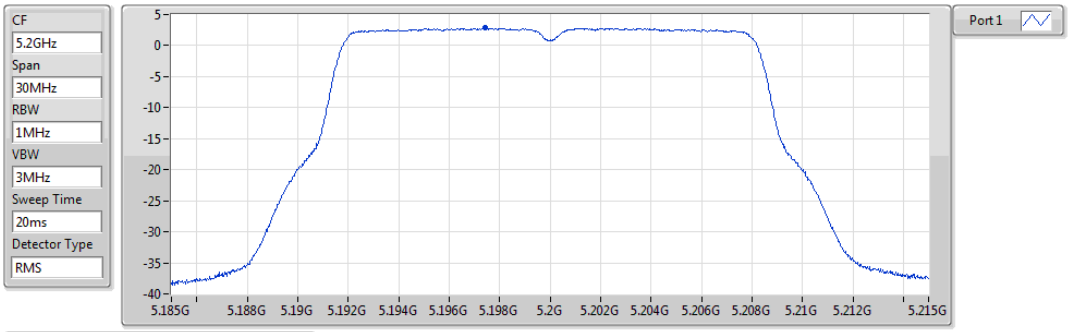
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.70	2.70	2.70

802.11a_Nss1,(6Mbps)_1TX **PSD**

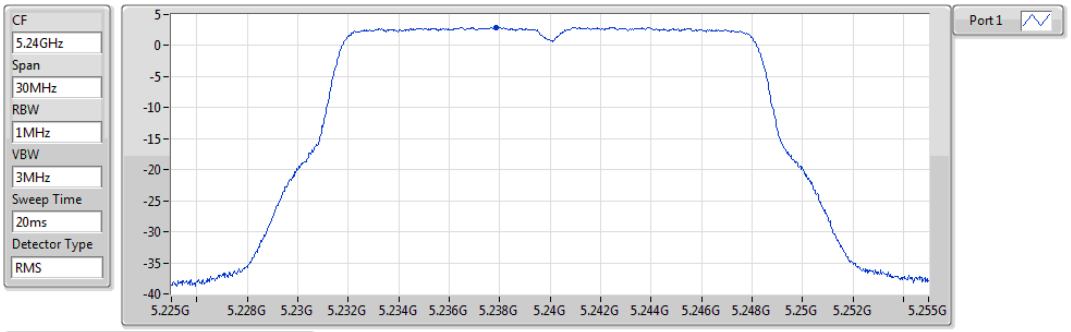
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.82	2.82	2.82

802.11a_Nss1,(6Mbps)_1TX **PSD**

5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.95	2.95	2.95

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss1,(MCS0)_1TX	2.11
802.11ax HEW40_Nss1,(MCS0)_1TX	-0.46
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.77

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

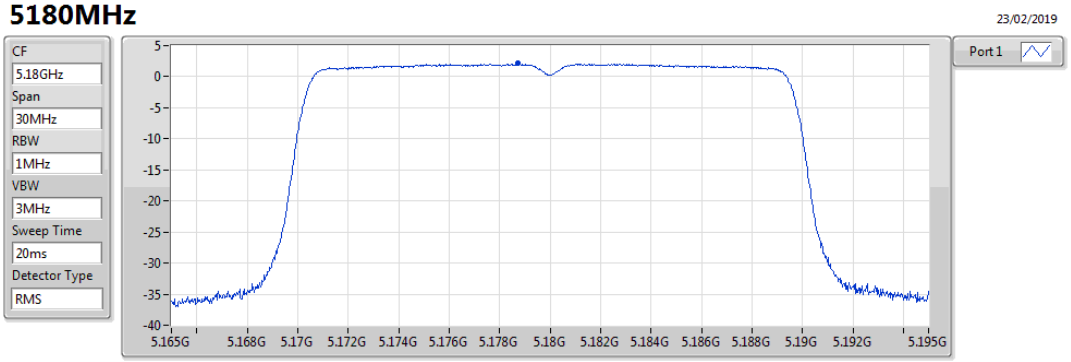
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	4.57	2.11	2.11	17.00
5200MHz	Pass	4.57	2.09	2.09	17.00
5240MHz	Pass	4.57	2.01	2.01	17.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	4.57	-0.46	-0.46	17.00
5230MHz	Pass	4.57	-0.58	-0.58	17.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	4.57	-1.77	-1.77	17.00

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

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

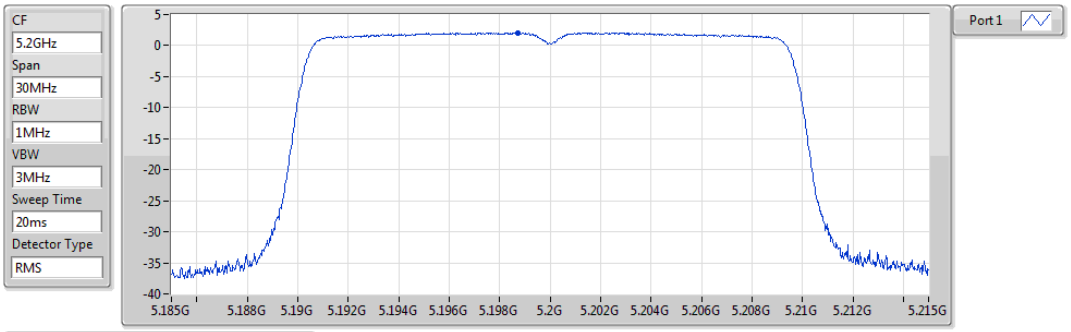
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.11	2.11	2.11

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

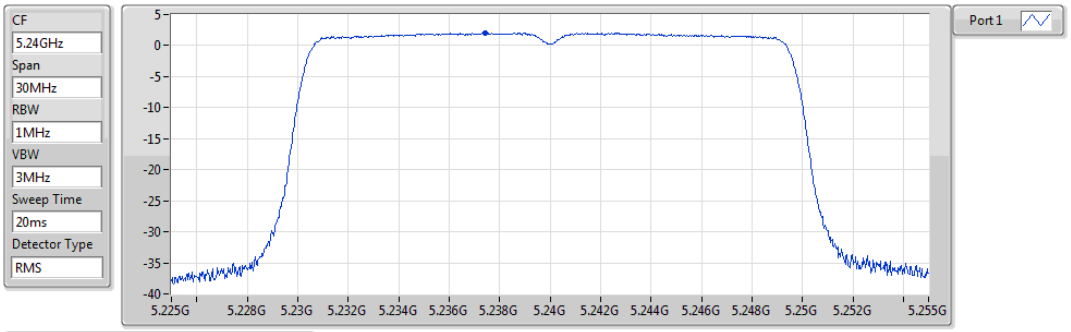
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.09	2.09	2.09

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

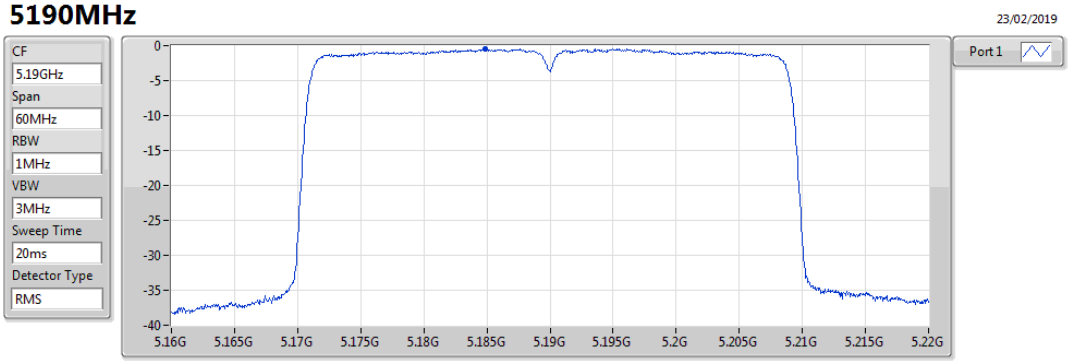
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.01	2.01	2.01

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

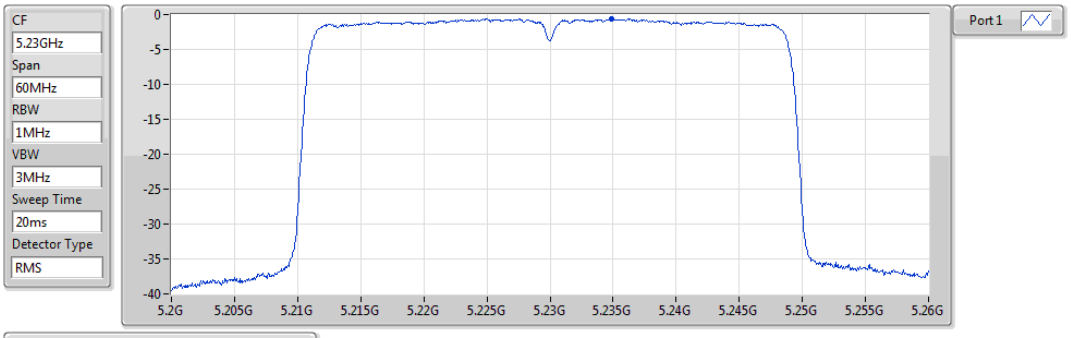
5190MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.46	-0.46	-0.46

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

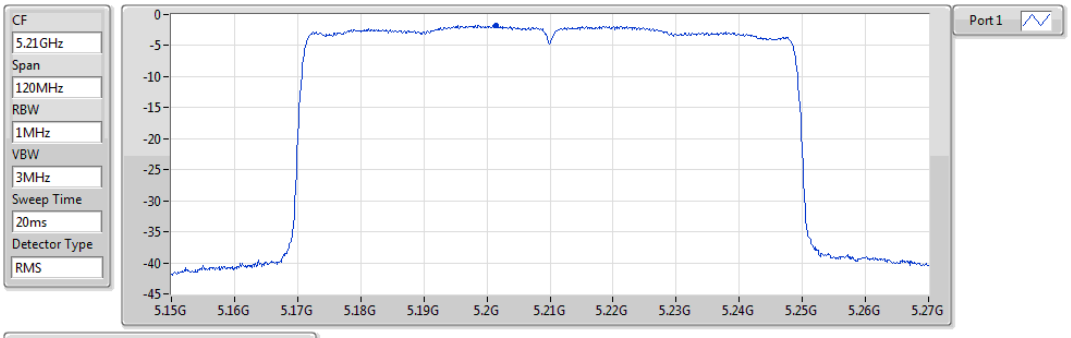
5230MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.58	-0.58	-0.58

802.11ax HEW80_Nss1,(MCS0)_1TX **PSD**

5210MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.77	-1.77	-1.77

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	2.31
802.11ax HEW40_Nss2,(MCS0)_2TX	-0.37
802.11ax HEW80_Nss2,(MCS0)_2TX	-3.10

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

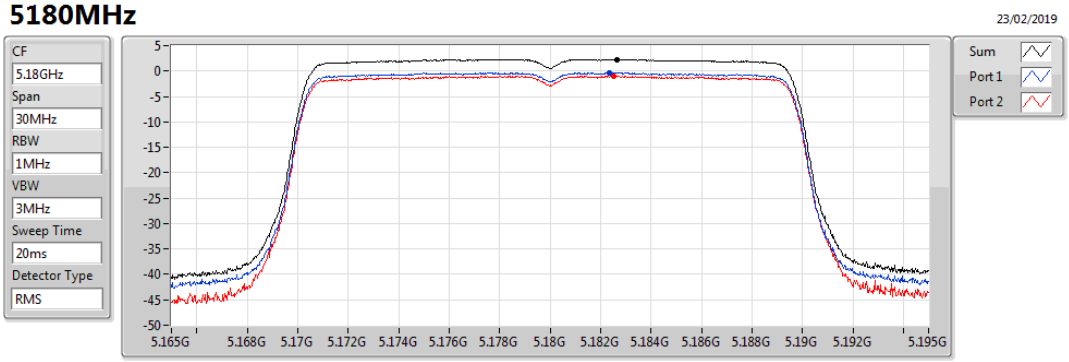
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.49	-0.31	-0.97	2.31	17.00
5200MHz	Pass	4.49	-0.50	-1.08	2.21	17.00
5240MHz	Pass	4.49	-0.83	-0.86	2.12	17.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	4.49	-2.75	-4.01	-0.40	17.00
5230MHz	Pass	4.49	-2.95	-3.72	-0.37	17.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	4.49	-5.95	-6.10	-3.10	17.00

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

802.11ax HEW20_Nss2,(MCS0)_2TX **PSD**

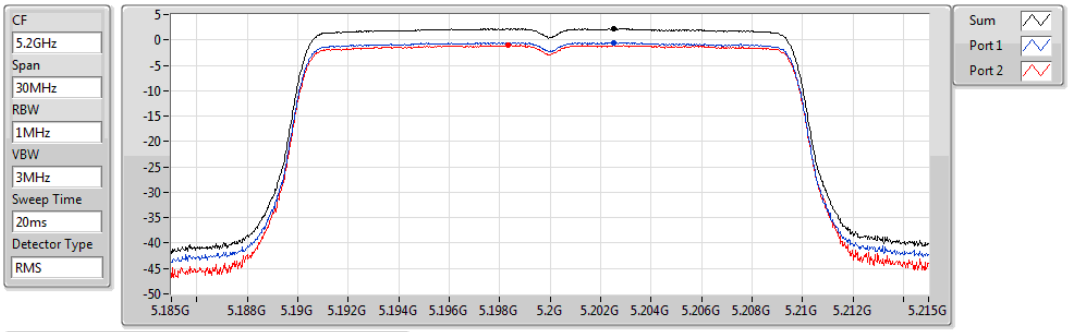
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.31	2.31	-0.31	-0.97

802.11ax HEW20_Nss2,(MCS0)_2TX **PSD**

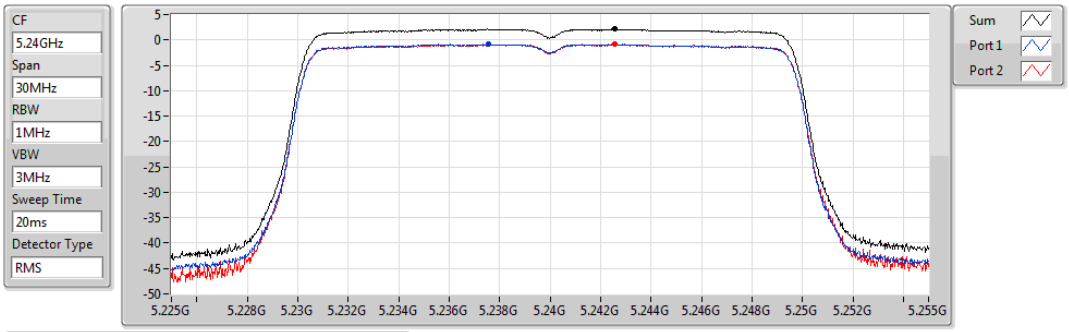
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.21	2.21	-0.50	-1.08

802.11ax HEW20_Nss2,(MCS0)_2TX **PSD**

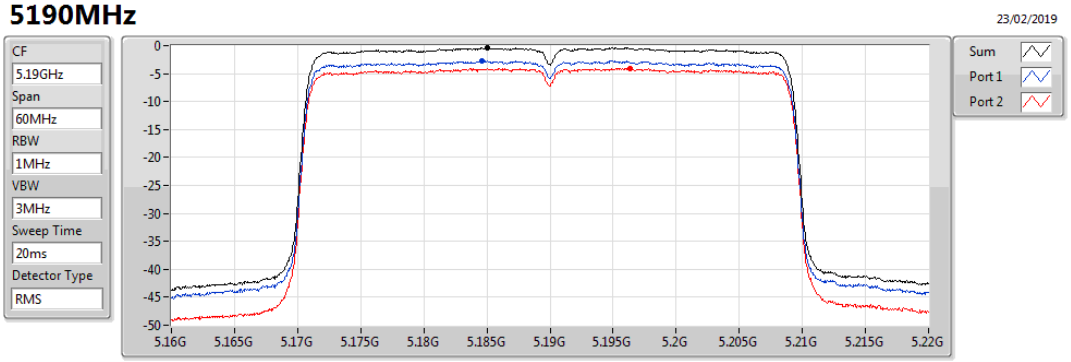
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.12	2.12	-0.83	-0.86

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

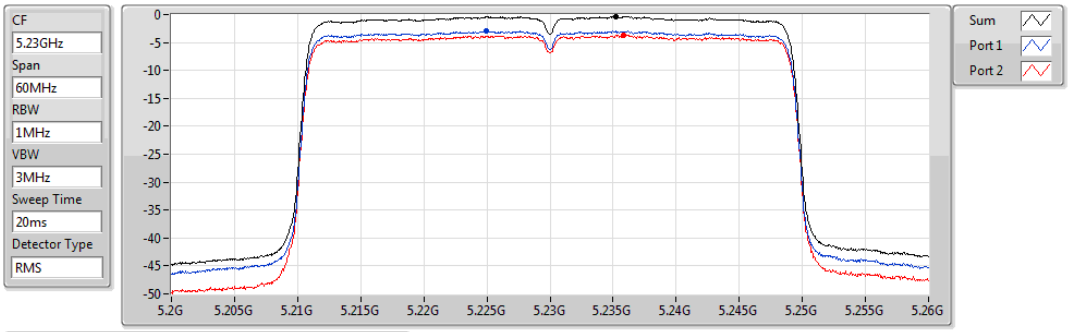
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.40	-0.40	-2.75	-4.01

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

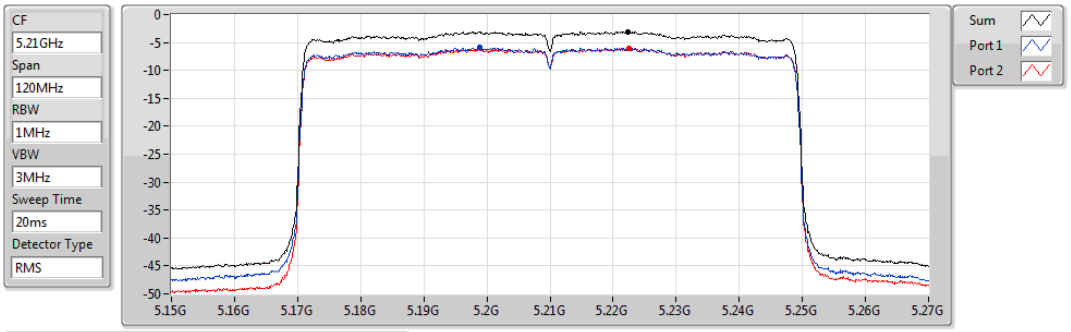
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.37	-0.37	-2.95	-3.72

802.11ax HEW80_Nss2,(MCS0)_2TX PSD

5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.10	-3.10	-5.95	-6.10

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	2.18

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

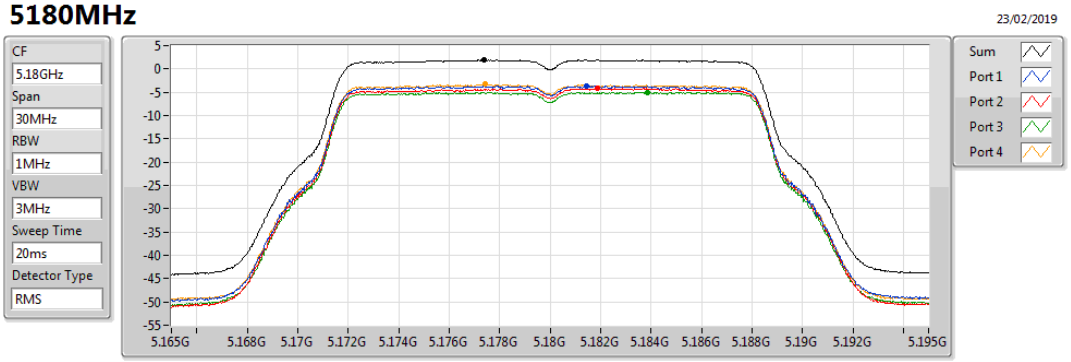
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.81	-3.63	-4.15	-5.01	-3.30	1.90	12.19
5200MHz	Pass	10.81	-4.25	-3.25	-4.50	-3.10	2.14	12.19
5240MHz	Pass	10.81	-3.65	-3.54	-4.71	-2.96	2.18	12.19

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

802.11a_Nss1,(6Mbps)_4TX **PSD**

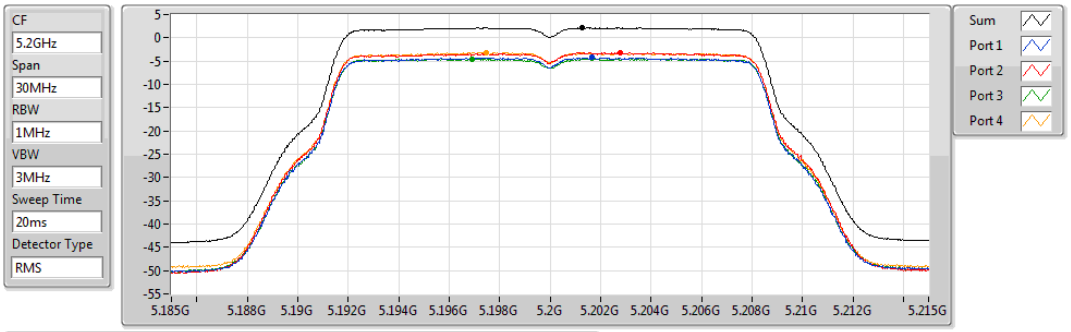
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.90	1.90	-3.63	-4.15	-5.01	-3.30

802.11a_Nss1,(6Mbps)_4TX **PSD**

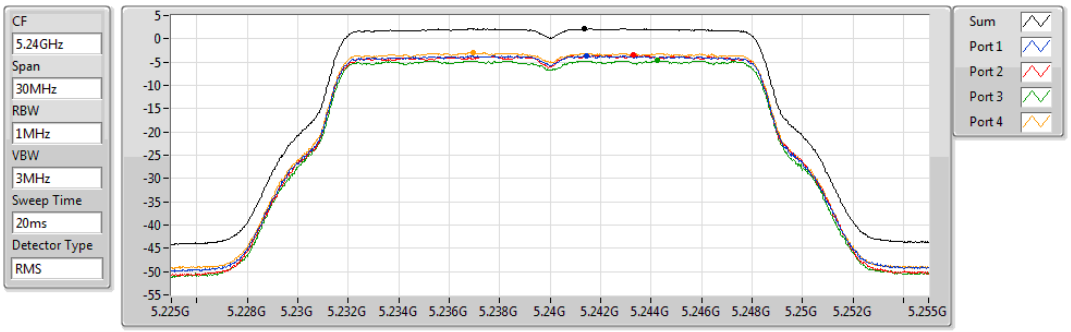
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.14	2.14	-4.25	-3.25	-4.50	-3.10

802.11a_Nss1,(6Mbps)_4TX **PSD**

5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.18	2.18	-3.65	-3.54	-4.71	-2.96

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	1.59
802.11ax HEW40_Nss1,(MCS0)_4TX	-1.22
802.11ax HEW80_Nss1,(MCS0)_4TX	-4.05

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

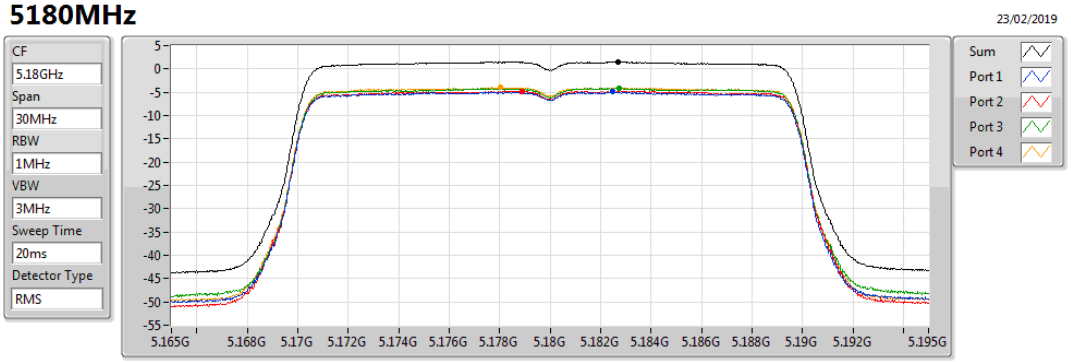
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.81	-4.96	-4.79	-4.10	-3.98	1.50	12.19
5200MHz	Pass	10.81	-4.96	-4.47	-4.02	-4.08	1.59	12.19
5240MHz	Pass	10.81	-5.13	-4.83	-4.10	-4.00	1.49	12.19
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.81	-7.52	-7.61	-7.10	-6.94	-1.35	12.19
5230MHz	Pass	10.81	-7.50	-7.05	-7.05	-7.08	-1.22	12.19
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.81	-10.53	-9.79	-9.61	-9.74	-4.05	12.19

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

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

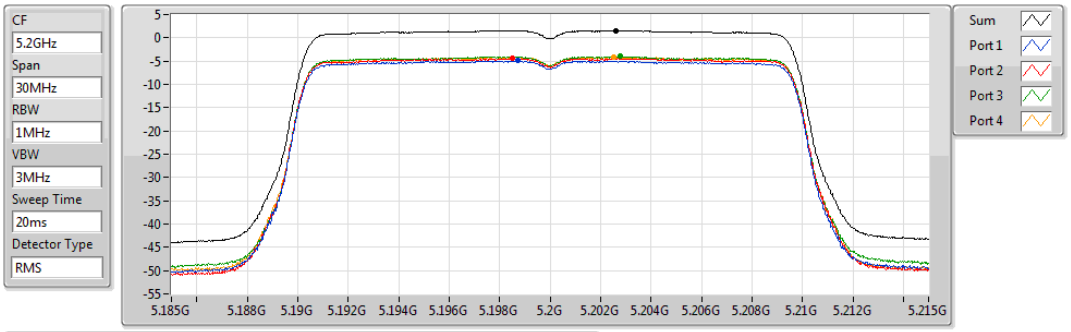
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.50	1.50	-4.96	-4.79	-4.10	-3.98

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

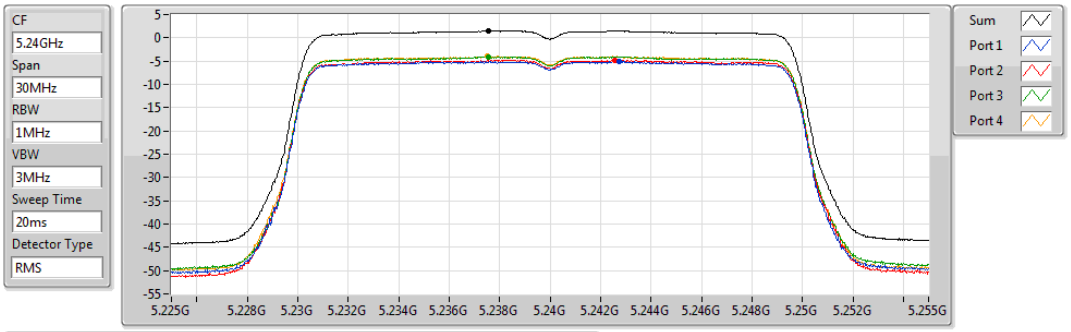
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.59	1.59	-4.96	-4.47	-4.02	-4.08

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

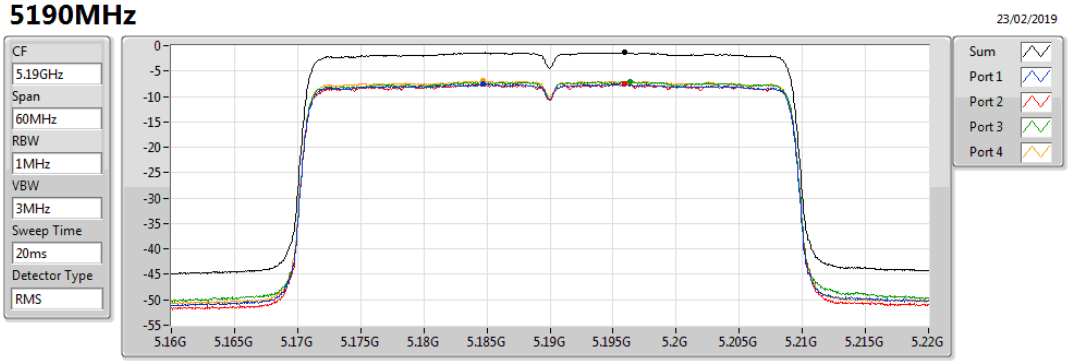
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.49	1.49	-5.13	-4.83	-4.10	-4.00

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

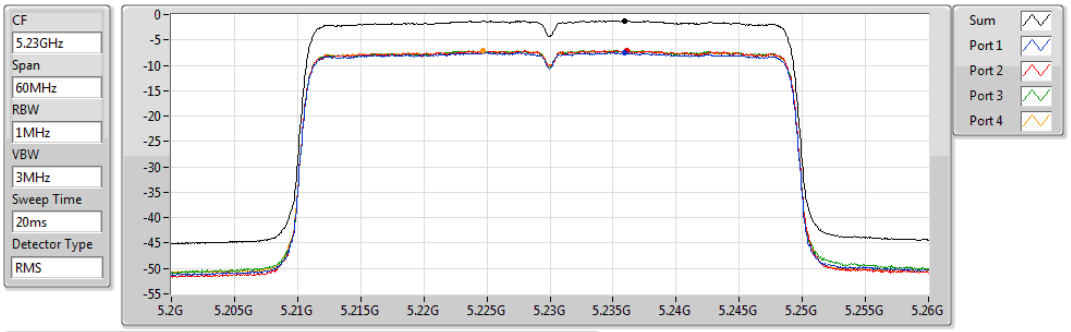
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.35	-1.35	-7.52	-7.61	-7.10	-6.94

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

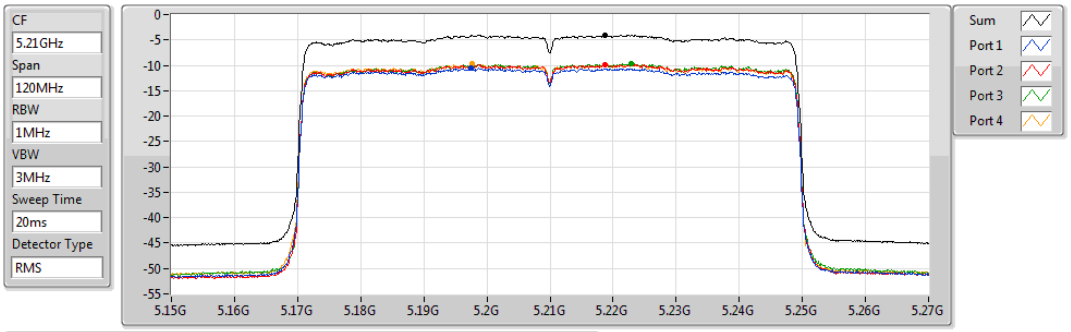
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.22	-1.22	-7.50	-7.05	-7.05	-7.08

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.05	-4.05	-10.53	-9.79	-9.61	-9.74

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-3.55
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-6.47
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-9.59

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

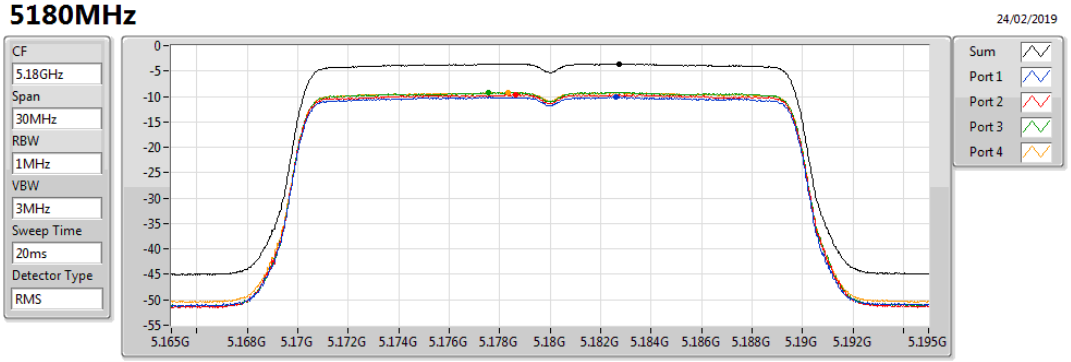
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.81	-10.06	-9.63	-9.17	-9.21	-3.55	12.19
5200MHz	Pass	10.81	-10.49	-9.36	-9.59	-9.13	-3.66	12.19
5240MHz	Pass	10.81	-10.31	-9.49	-9.54	-8.98	-3.61	12.19
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.81	-13.45	-12.65	-12.03	-12.56	-6.73	12.19
5230MHz	Pass	10.81	-13.39	-12.13	-12.04	-12.21	-6.47	12.19
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.81	-16.64	-15.15	-14.95	-15.56	-9.59	12.19

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

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

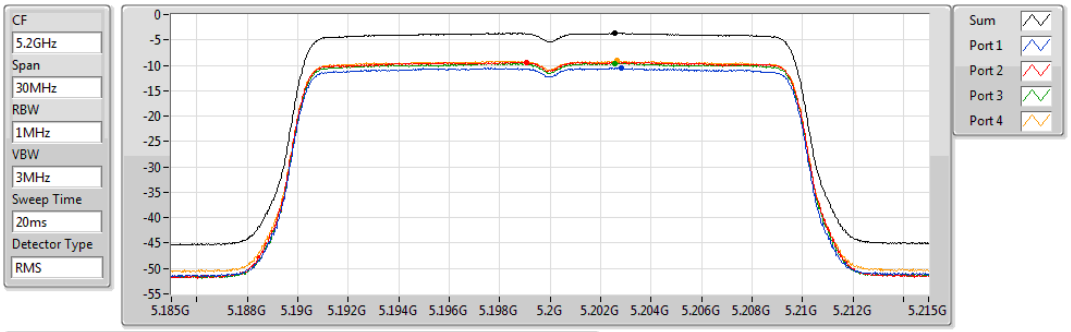
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.55	-3.55	-10.06	-9.63	-9.17	-9.21

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

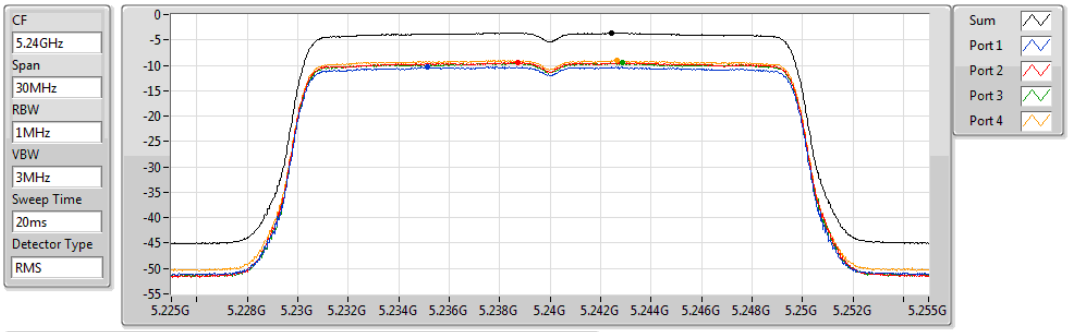
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.66	-3.66	-10.49	-9.36	-9.59	-9.13

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

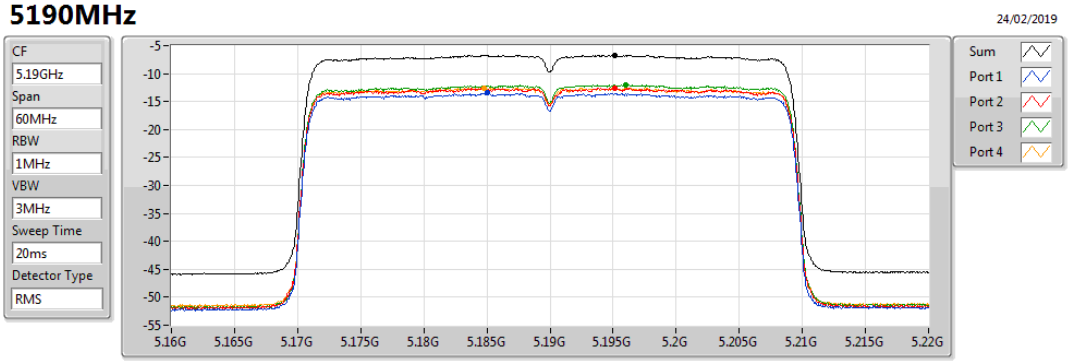
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.61	-3.61	-10.31	-9.49	-9.54	-8.98

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

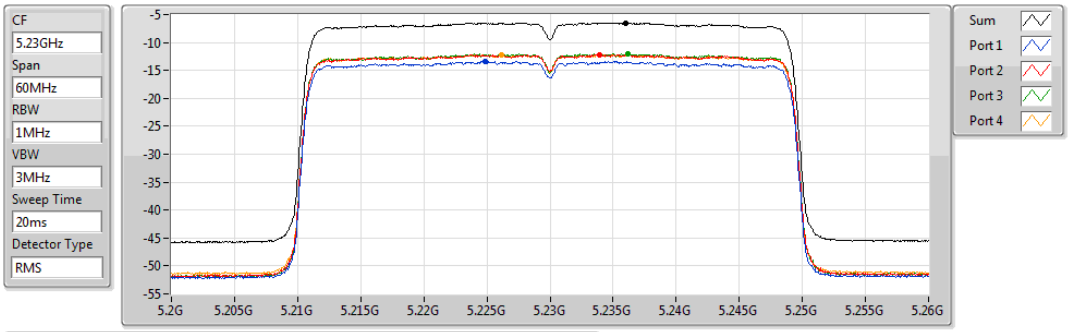
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.73	-6.73	-13.45	-12.65	-12.03	-12.56

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

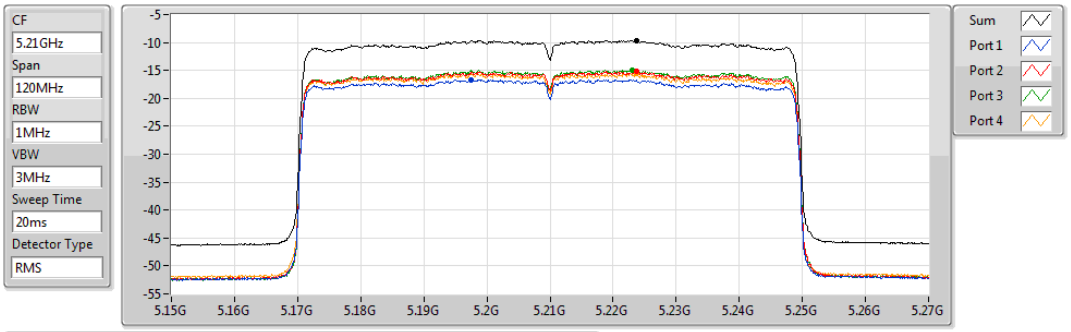
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.47	-6.47	-13.39	-12.13	-12.04	-12.21

802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.59	-9.59	-16.64	-15.15	-14.95	-15.56

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	2.30
802.11ax HEW40_Nss4,(MCS0)_4TX	-0.48
802.11ax HEW80_Nss4,(MCS0)_4TX	-3.24

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

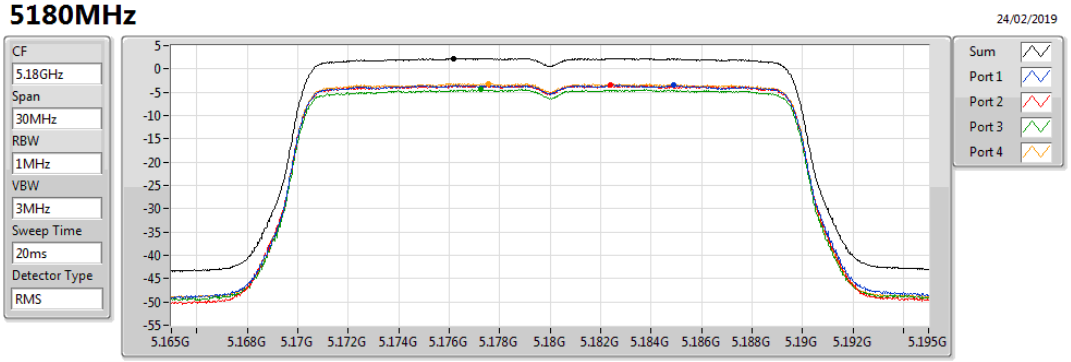
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.79	-3.47	-3.49	-4.39	-3.12	2.28	17.00
5200MHz	Pass	4.79	-4.02	-3.29	-3.99	-3.34	2.22	17.00
5240MHz	Pass	4.79	-4.06	-3.42	-3.62	-3.37	2.30	17.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.79	-7.06	-6.78	-6.04	-6.62	-0.68	17.00
5230MHz	Pass	4.79	-6.73	-6.44	-6.02	-6.19	-0.48	17.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.79	-9.90	-9.08	-8.61	-8.95	-3.24	17.00

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

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

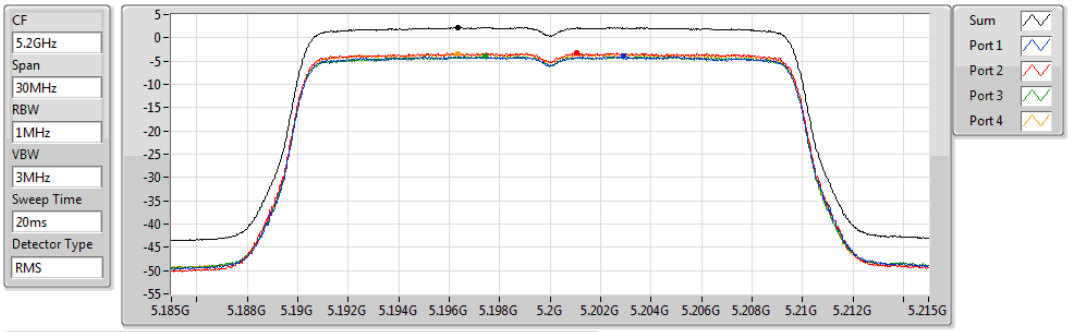
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.28	2.28	-3.47	-3.49	-4.39	-3.12

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

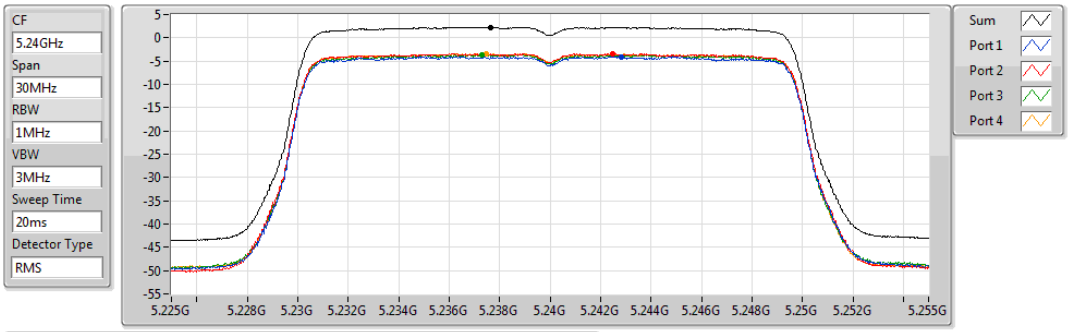
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.22	2.22	-4.02	-3.29	-3.99	-3.34

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

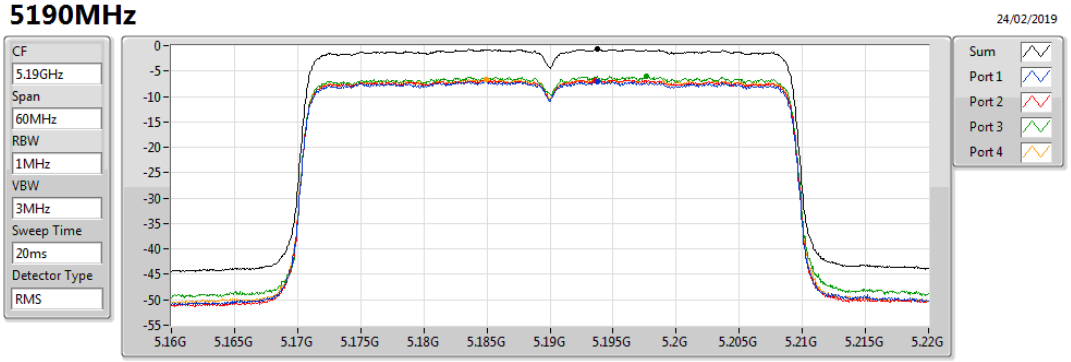
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.30	2.30	-4.06	-3.42	-3.62	-3.37

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

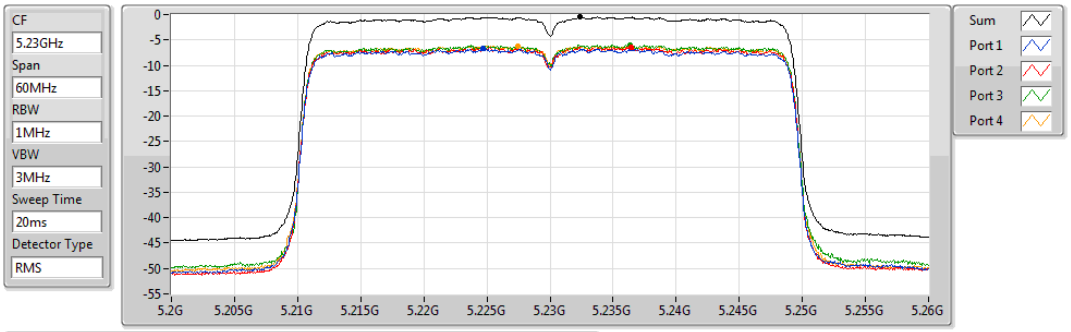
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.68	-0.68	-7.06	-6.78	-6.04	-6.62

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

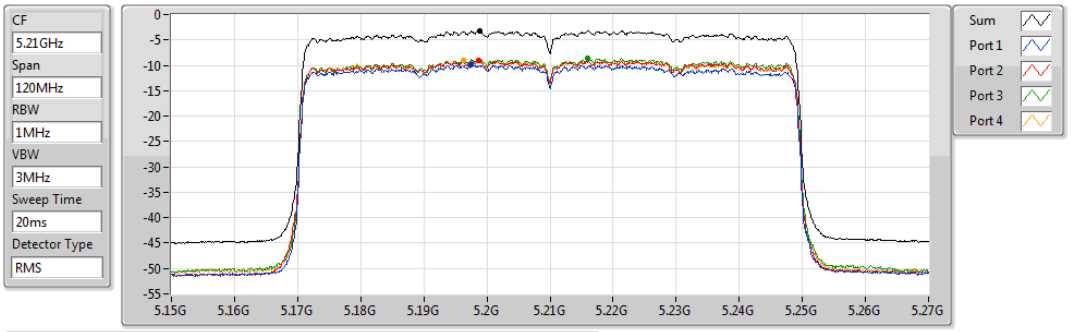
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.48	-0.48	-6.73	-6.44	-6.02	-6.19

802.11ax HEW80_Nss4,(MCS0)_4TX PSD

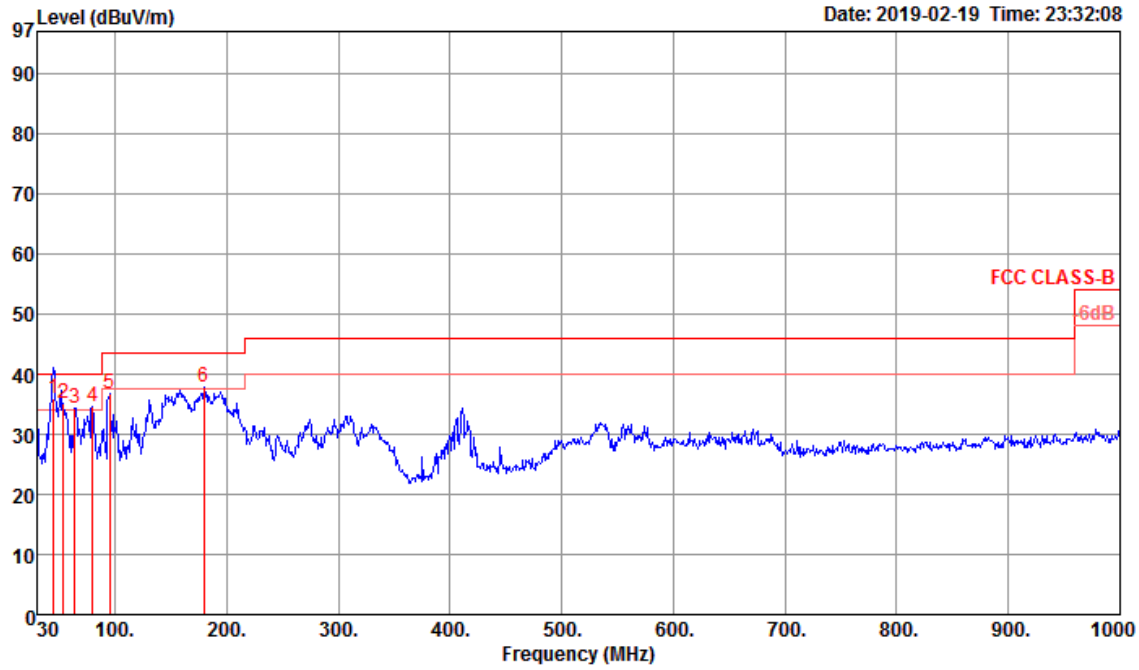
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.24	-3.24	-9.90	-9.08	-8.61	-8.95

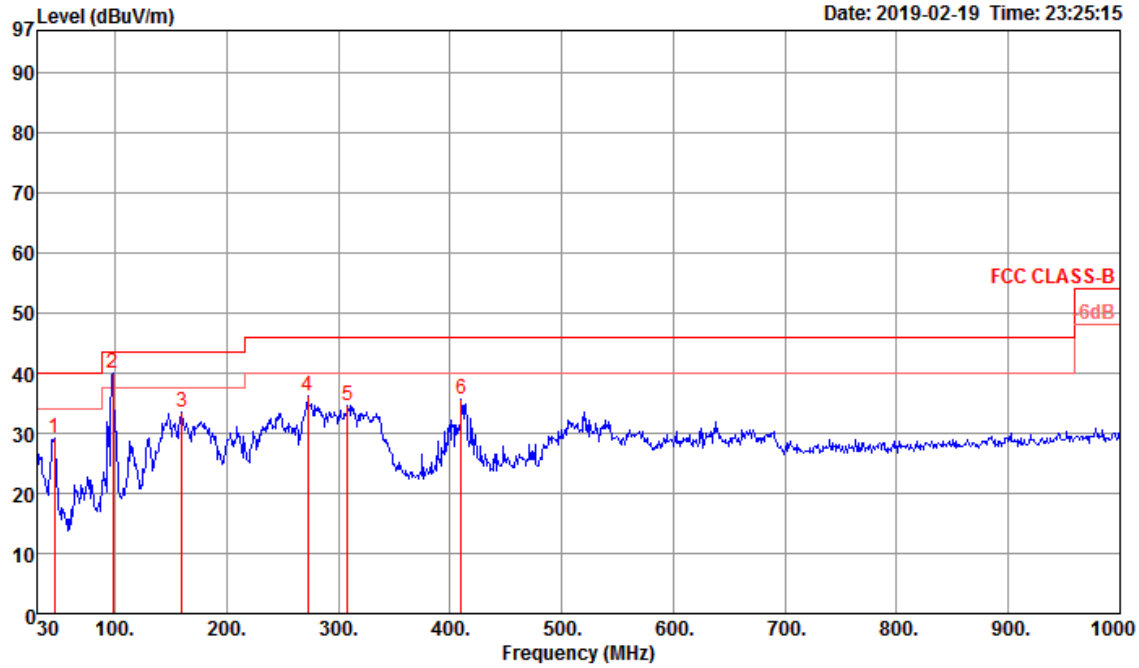
Test Mode	Mode 6	Frequency Range	30 MHz to 1,000 MHz

Vertical 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	44.55	35.97	40.00	-4.03	49.16	0.85	17.54	31.58	125	287	QP	VERTICAL
2	53.28	35.12	40.00	-4.88	52.06	0.97	13.70	31.61	300	360	Peak	VERTICAL
3	63.95	34.36	40.00	-5.64	52.53	0.99	12.50	31.66	300	360	Peak	VERTICAL
4	79.47	34.62	40.00	-5.38	51.60	1.13	13.60	31.71	300	360	Peak	VERTICAL
5	94.99	36.81	43.50	-6.69	50.99	1.23	16.30	31.71	300	360	Peak	VERTICAL
6	179.38	37.83	43.50	-5.67	52.38	1.67	15.55	31.77	300	360	Peak	VERTICAL

Horizontal 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	45.52	29.12	40.00	-10.88	42.89	0.86	16.95	31.58	100	0	Peak	HORIZONTAL
2	97.90	40.05	43.50	-3.45	53.69	1.23	16.83	31.70	100	0	Peak	HORIZONTAL
3	159.98	33.50	43.50	-10.00	47.06	1.60	16.60	31.76	100	0	Peak	HORIZONTAL
4	272.50	36.17	46.00	-9.83	46.60	2.02	19.36	31.81	100	0	Peak	HORIZONTAL
5	308.39	34.59	46.00	-11.41	44.51	2.15	19.78	31.85	100	0	Peak	HORIZONTAL
6	410.24	35.71	46.00	-10.29	42.25	2.52	22.90	31.96	100	0	Peak	HORIZONTAL

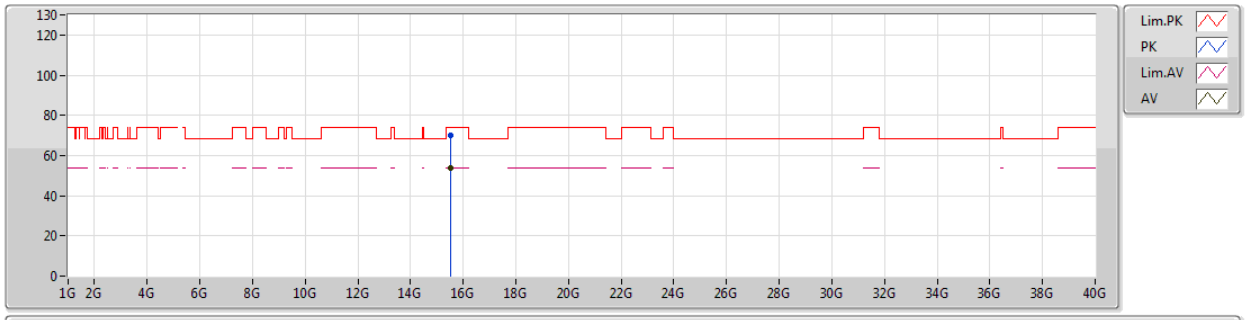
Summary

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	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	AV	15.71816G	53.97	54.00	-0.03	14.24	3	Horizontal	24	2.05	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

28/02/2019



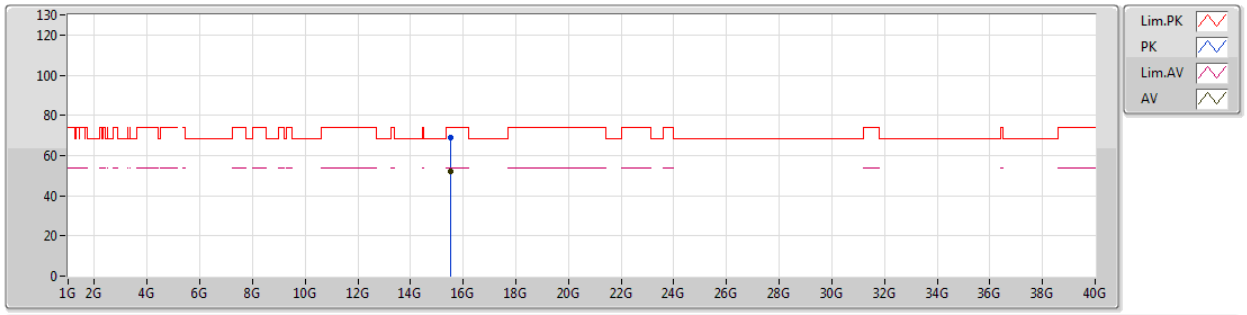
EUT Z_4TX
Setting 81
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.5415G	69.93	74.00	-4.07	14.46	3	Vertical	0	2.06	-
AV	15.5425G	53.88	54.00	-0.12	14.45	3	Vertical	0	2.06	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

28/02/2019



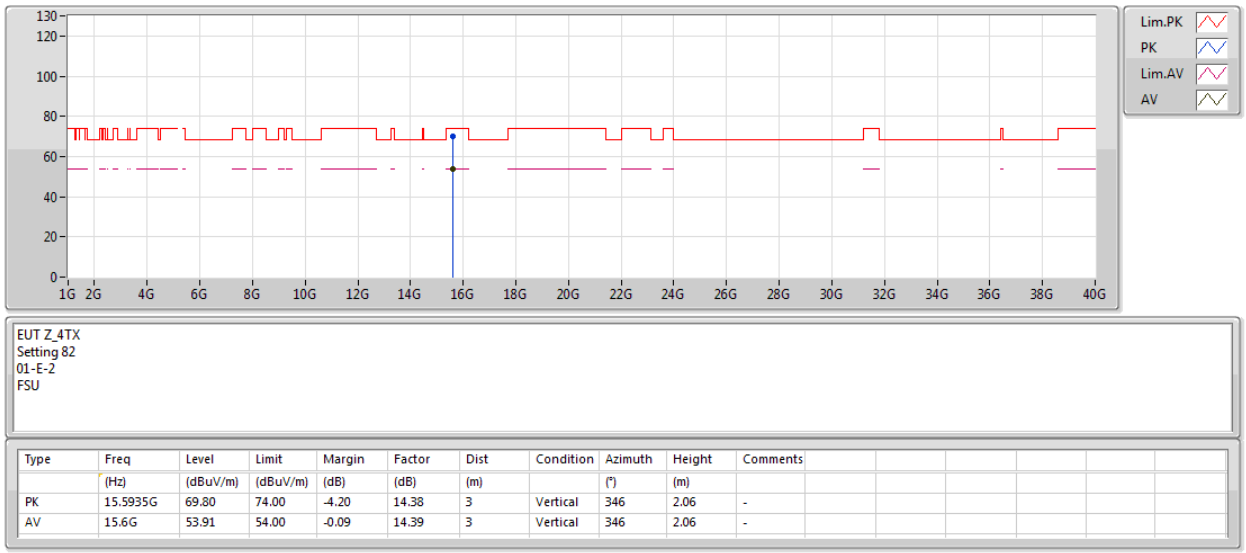
EUT Z_4TX
Setting 81
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.5418G	68.84	74.00	-5.16	14.45	3	Horizontal	24	2.09	-
AV	15.5424G	51.91	54.00	-2.09	14.45	3	Horizontal	24	2.09	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

28/02/2019



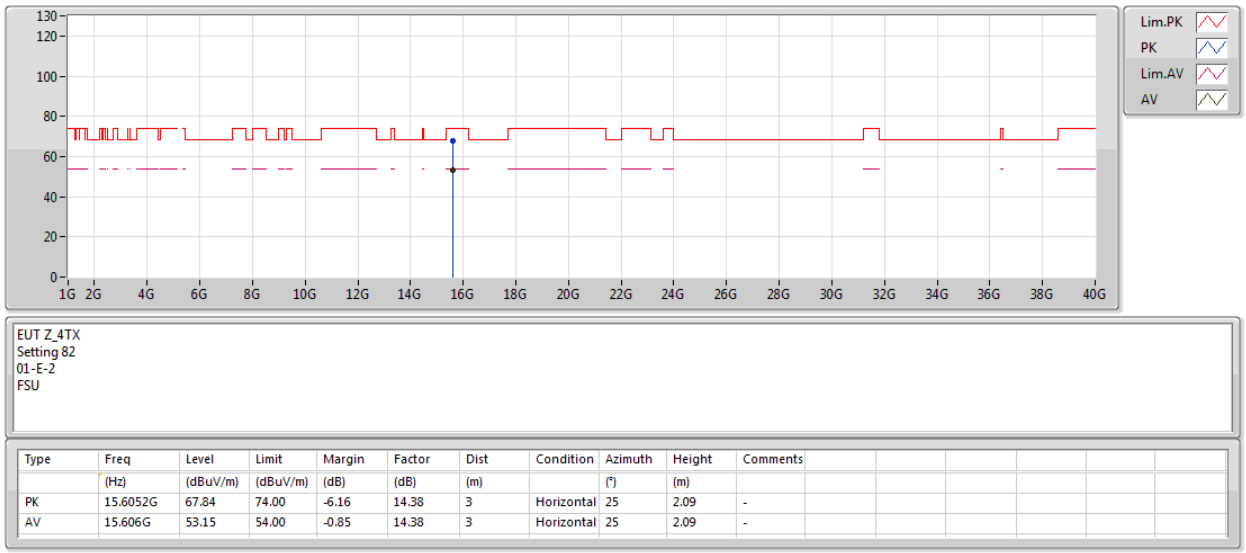
EUT Z_4TX
Setting 82
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.5935G	69.80	74.00	-4.20	14.38	3	Vertical	346	2.06	-
AV	15.6G	53.91	54.00	-0.09	14.39	3	Vertical	346	2.06	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

28/02/2019



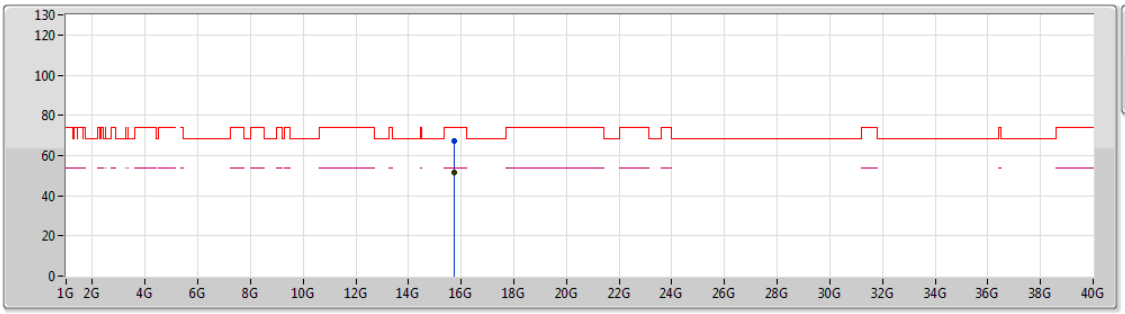
EUT Z_4TX
Setting 82
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.6052G	67.84	74.00	-6.16	14.38	3	Horizontal	25	2.09	-
AV	15.606G	53.15	54.00	-0.85	14.38	3	Horizontal	25	2.09	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

28/02/2019



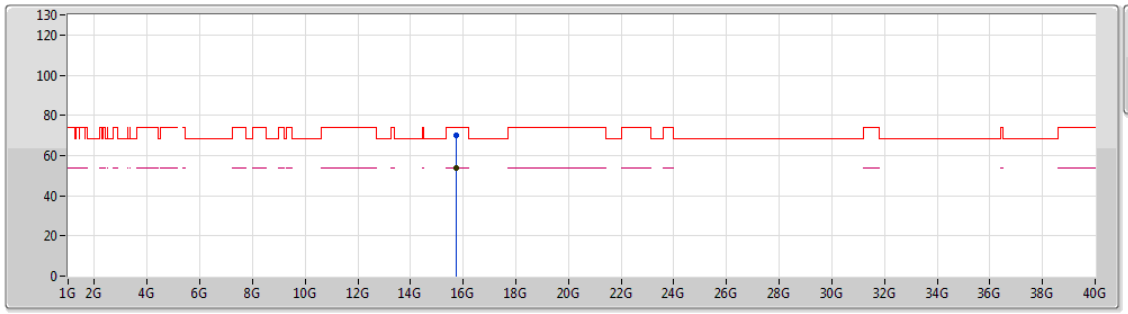
EUT Z_4TX
Setting 74
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.7264G	67.08	74.00	-6.92	14.22	3	Vertical	4	2.12	-
AV	15.7255G	51.56	54.00	-2.44	14.22	3	Vertical	4	2.12	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

28/02/2019



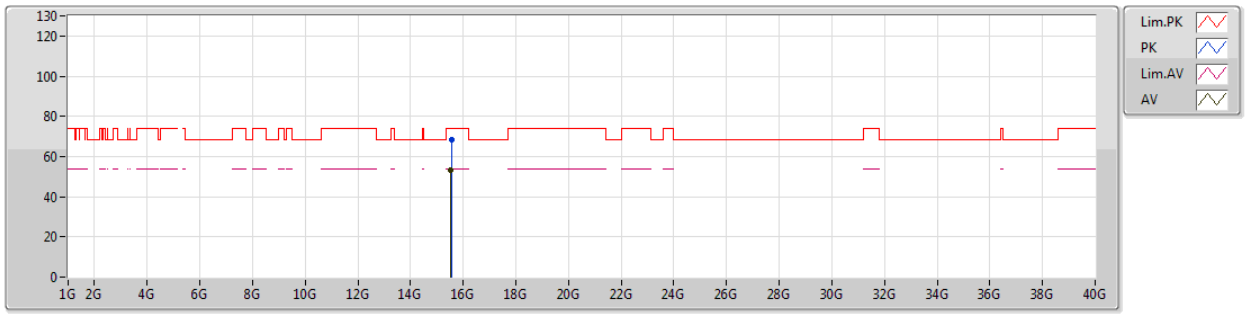
EUT Z_4TX
Setting 74
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.7264G	69.88	74.00	-4.12	14.22	3	Horizontal	22	2.08	-
AV	15.7256G	53.61	54.00	-0.39	14.22	3	Horizontal	22	2.08	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

01/03/2019



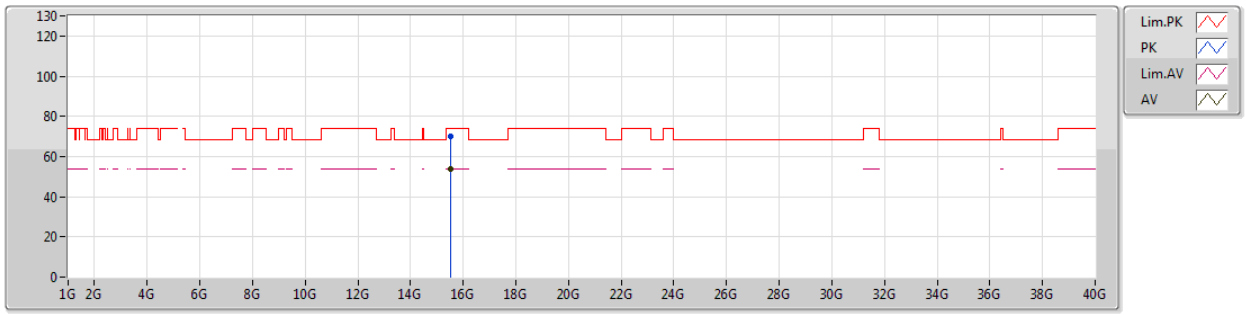
EUT Z_4TX
Setting 81
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.5473G	68.43	74.00	-5.57	14.45	3	Vertical	359	2.02	-
AV	15.5423G	53.12	54.00	-0.88	14.45	3	Vertical	359	2.02	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

01/03/2019



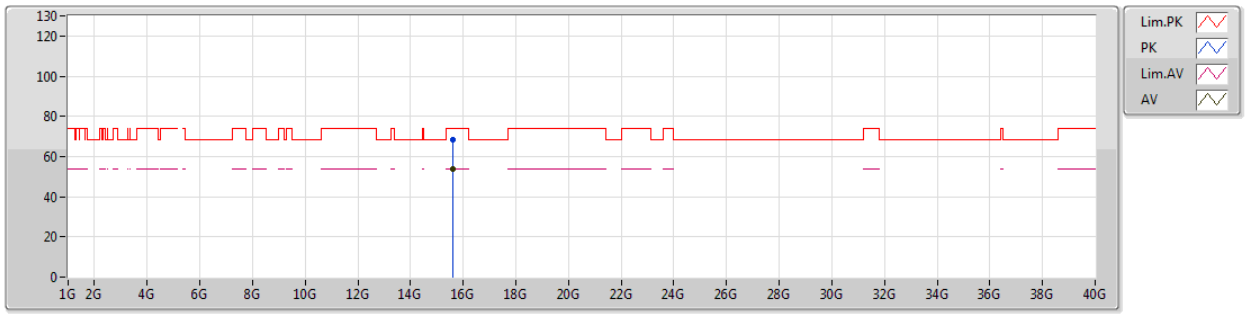
EUT Z_4TX
Setting 81
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.531G	69.87	74.00	-4.13	14.46	3	Horizontal	338	2.03	-
AV	15.541G	53.65	54.00	-0.35	14.46	3	Horizontal	338	2.03	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

01/03/2019



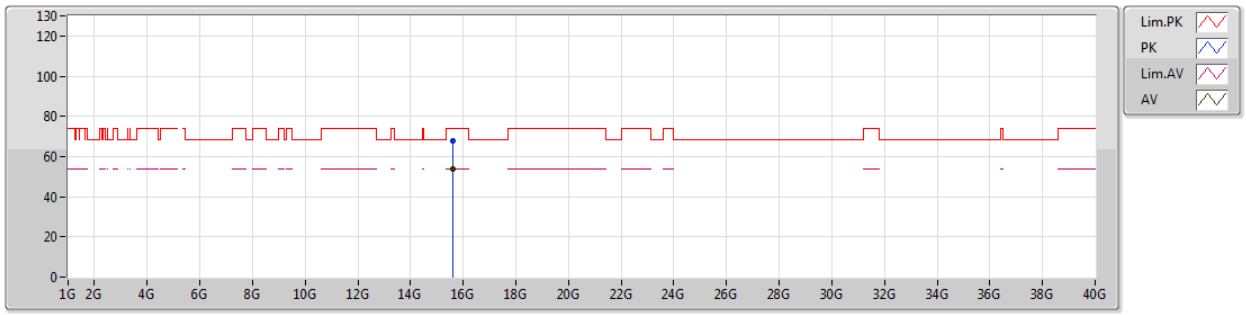
EUT Z_4TX
Setting 82
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.5969G	68.17	74.00	-5.83	14.39	3	Vertical	345	2.10	-
AV	15.6016G	53.67	54.00	-0.33	14.38	3	Vertical	345	2.10	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

01/03/2019



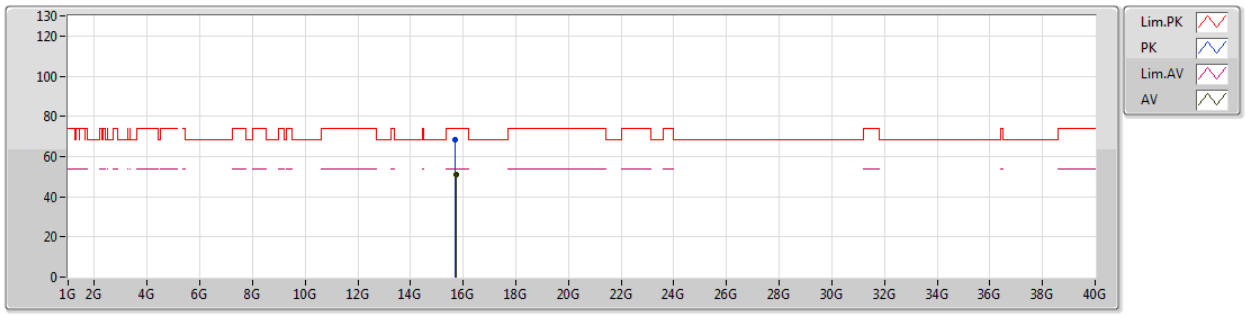
EUT Z_4TX
Setting 82
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.6033G	67.96	74.00	-6.04	14.38	3	Horizontal	24	2.11	-
AV	15.6031G	53.78	54.00	-0.22	14.38	3	Horizontal	24	2.11	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

01/03/2019



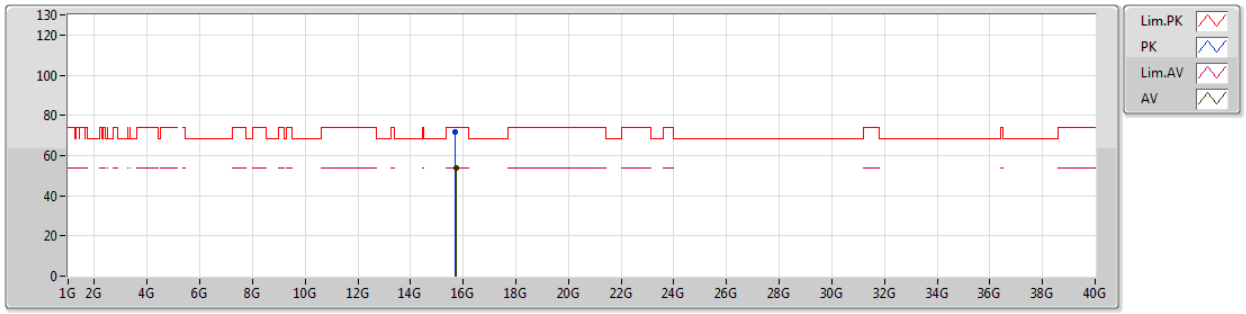
EUT Z_4TX
Setting 74
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.711G	68.23	74.00	-5.77	14.25	3	Vertical	359	2.11	-
AV	15.7183G	51.08	54.00	-2.92	14.24	3	Vertical	359	2.11	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

01/03/2019



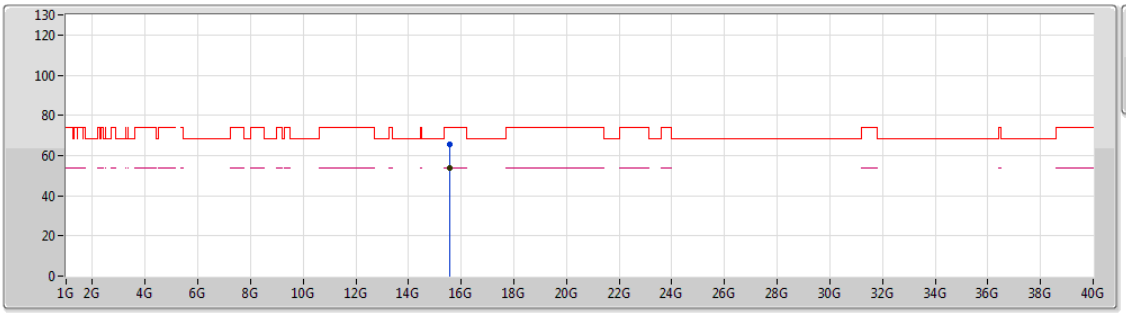
EUT Z_4TX
Setting 74
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.71152G	71.62	74.00	-2.38	14.25	3	Horizontal	24	2.05	-
AV	15.71816G	53.97	54.00	-0.03	14.24	3	Horizontal	24	2.05	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

01/03/2019



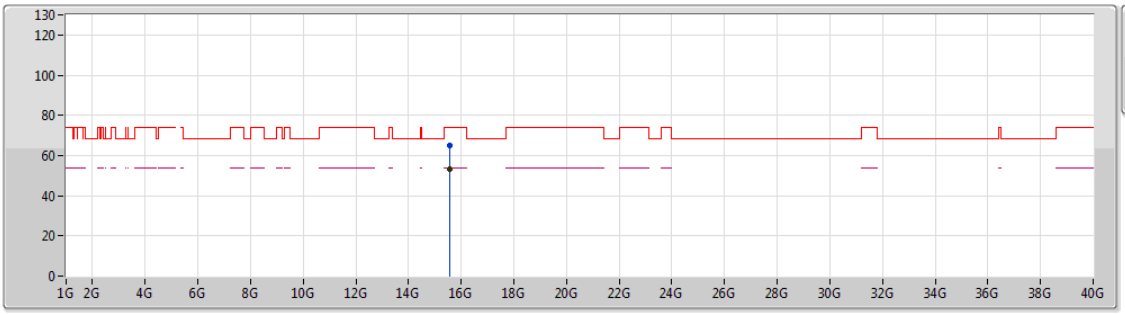
EUT Z_4TX
Setting 83
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.56376G	53.78	54.00	-0.22	14.43	3	Vertical	0	2.03	-
PK	15.56392G	65.49	74.00	-8.51	14.43	3	Vertical	0	2.03	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

01/03/2019



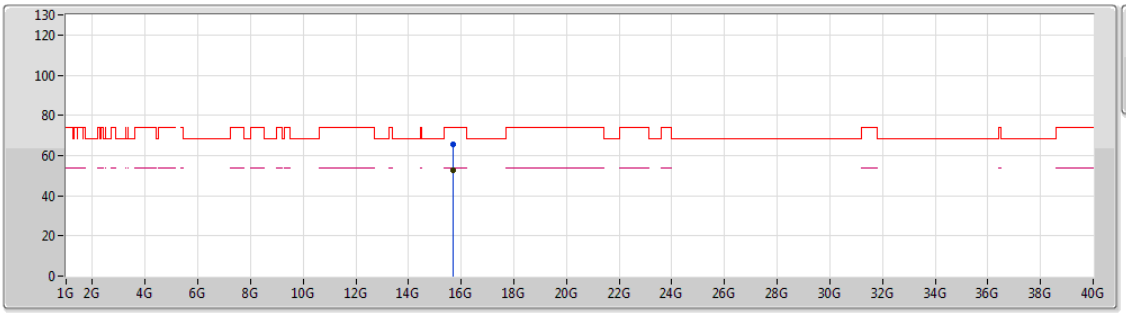
EUT Z_4TX
Setting 83
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.5584G	65.08	74.00	-8.92	14.43	3	Horizontal	34	2.04	-
AV	15.5638G	53.44	54.00	-0.56	14.43	3	Horizontal	34	2.04	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

01/03/2019



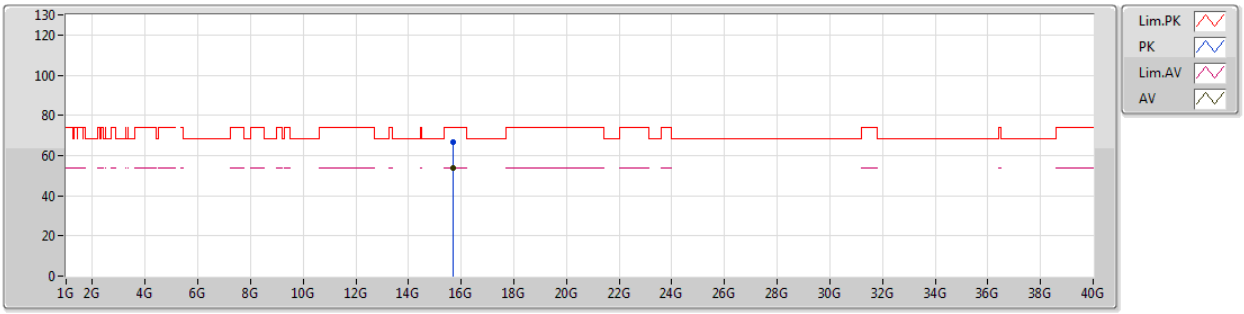
EUT Z_4TX
Setting 74
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.6926G	65.50	74.00	-8.50	14.27	3	Vertical	358	2.08	-
AV	15.683G	52.56	54.00	-1.44	14.28	3	Vertical	358	2.08	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

01/03/2019



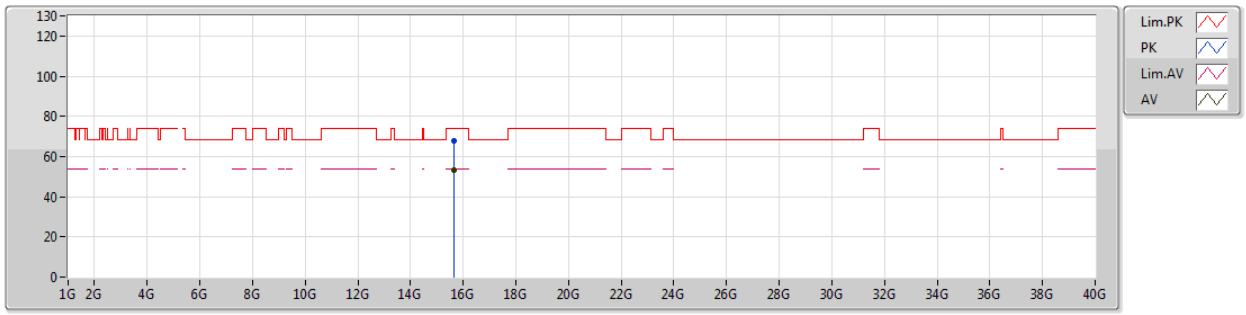
EUT Z_4TX
Setting 74
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.6984G	66.77	74.00	-7.23	14.26	3	Horizontal	23	2.08	-
AV	15.6884G	53.80	54.00	-0.20	14.28	3	Horizontal	23	2.08	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

01/03/2019



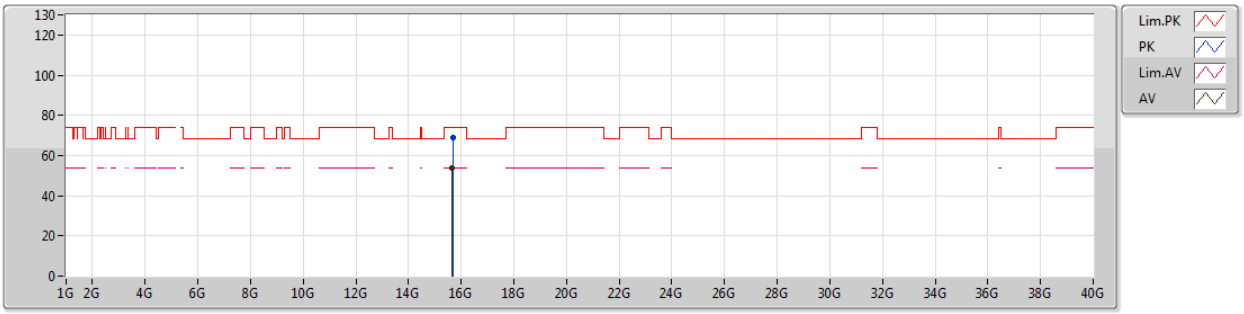
EUT Z_4TX
Setting 85
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.67G	67.75	74.00	-6.25	14.31	3	Vertical	358	2.01	-
AV	15.67G	53.06	54.00	-0.94	14.31	3	Vertical	358	2.01	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

01/03/2019



EUT Z_4TX
Setting 85
01-E-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.6762G	69.08	74.00	-4.92	14.29	3	Horizontal	23	2.08	-
AV	15.6684G	53.83	54.00	-0.17	14.30	3	Horizontal	23	2.08	-

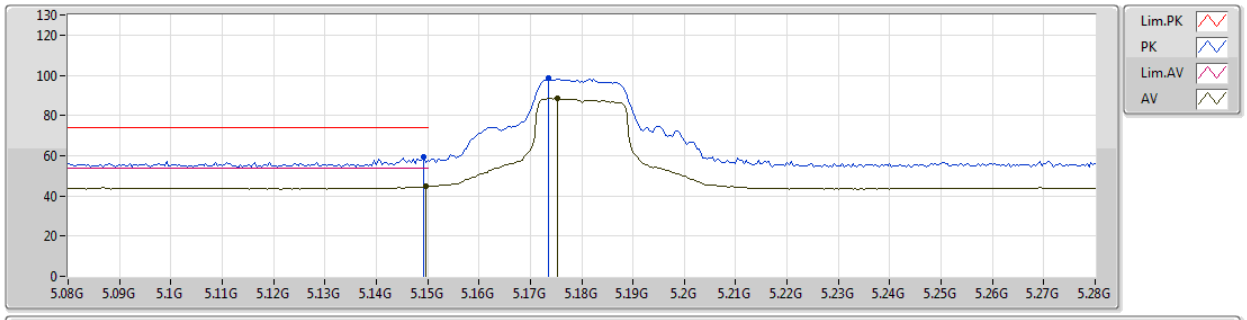
Summary

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)_1TX	Pass	AV	5.15G	53.98	54.00	-0.02	4.25	3	Horizontal	160	2.30	-

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

01/03/2019



EUT Z_1TX
Setting 76
01-J-5-10
FSU

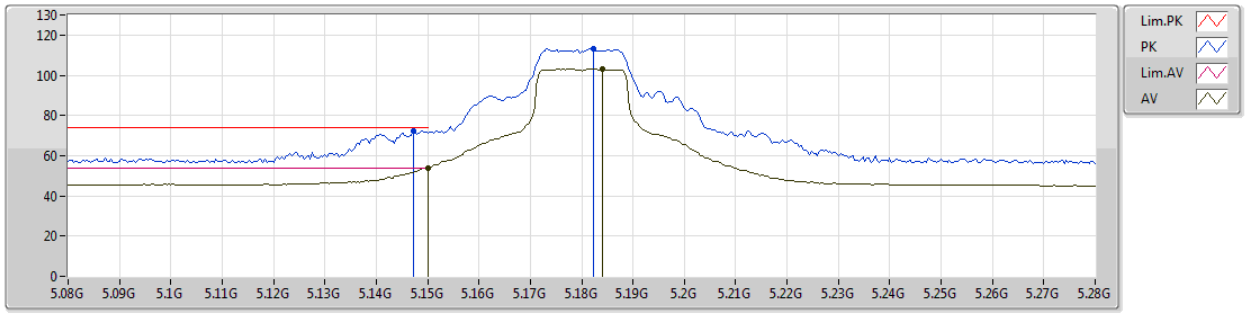
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1492G	59.61	74.00	-14.39	4.25	3	Vertical	84	2.16	-
AV	5.1496G	44.69	54.00	-9.31	4.25	3	Vertical	84	2.16	-
PK	5.1736G	98.38	Inf	-Inf	4.25	3	Vertical	84	2.16	-
AV	5.1752G	88.43	Inf	-Inf	4.26	3	Vertical	84	2.16	-

Mode

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

01/03/2019



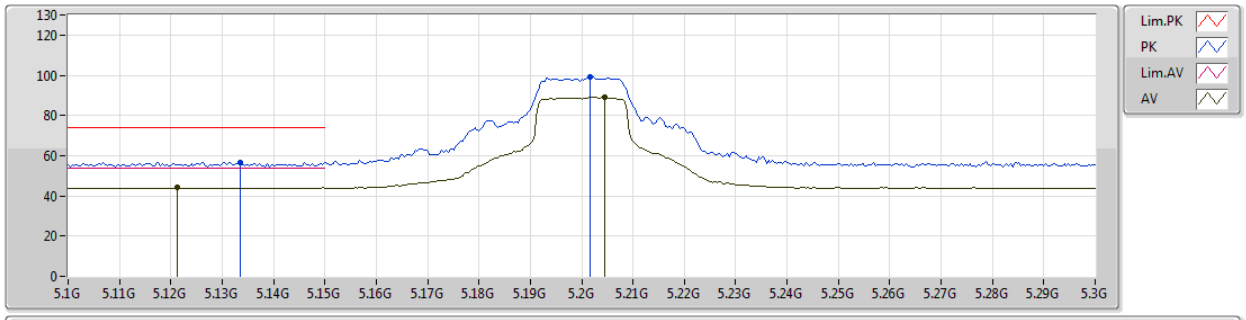
EUT Z_1TX
Setting 76
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1472G	72.18	74.00	-1.82	4.25	3	Horizontal	160	2.30	-
AV	5.15G	53.98	54.00	-0.02	4.25	3	Horizontal	160	2.30	-
PK	5.1824G	113.41	Inf	-Inf	4.26	3	Horizontal	160	2.30	-
AV	5.184G	103.27	Inf	-Inf	4.26	3	Horizontal	160	2.30	-

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

01/03/2019



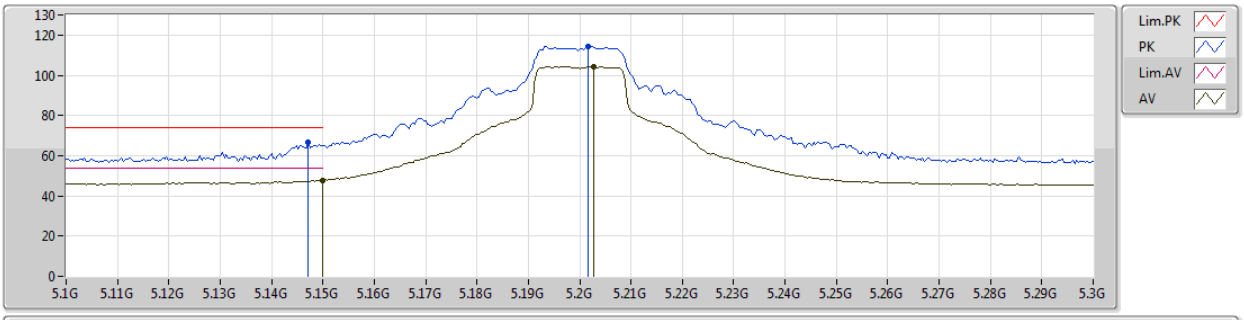
EUT Z_1TX
Setting 82
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1336G	56.78	74.00	-17.22	4.24	3	Vertical	265	2.29	-
AV	5.1212G	44.00	54.00	-10.00	4.23	3	Vertical	265	2.29	-
PK	5.2016G	99.14	Inf	-Inf	4.27	3	Vertical	265	2.29	-
AV	5.2044G	89.15	Inf	-Inf	4.28	3	Vertical	265	2.29	-

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

01/03/2019



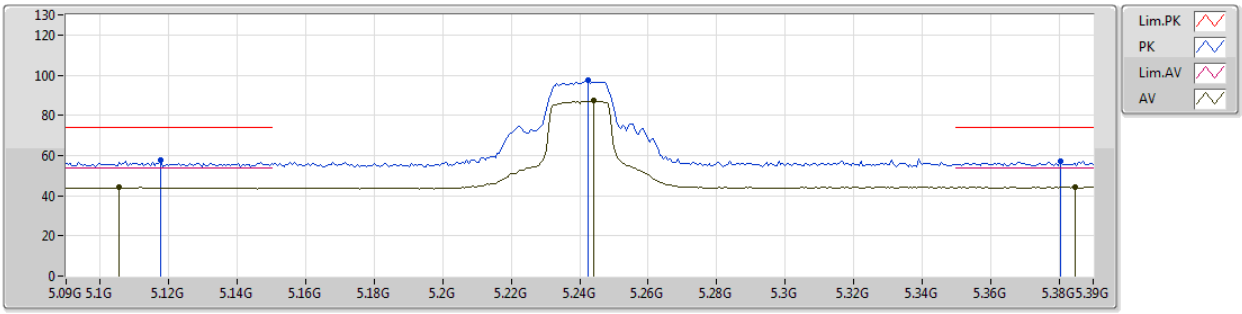
EUT Z_1TX
Setting 82
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1472G	66.68	74.00	-7.32	4.25	3	Horizontal	339	2.21	-
AV	5.15G	47.71	54.00	-6.29	4.25	3	Horizontal	339	2.21	-
PK	5.2016G	114.31	Inf	-Inf	4.27	3	Horizontal	339	2.21	-
AV	5.2028G	104.19	Inf	-Inf	4.28	3	Horizontal	339	2.21	-

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

01/03/2019



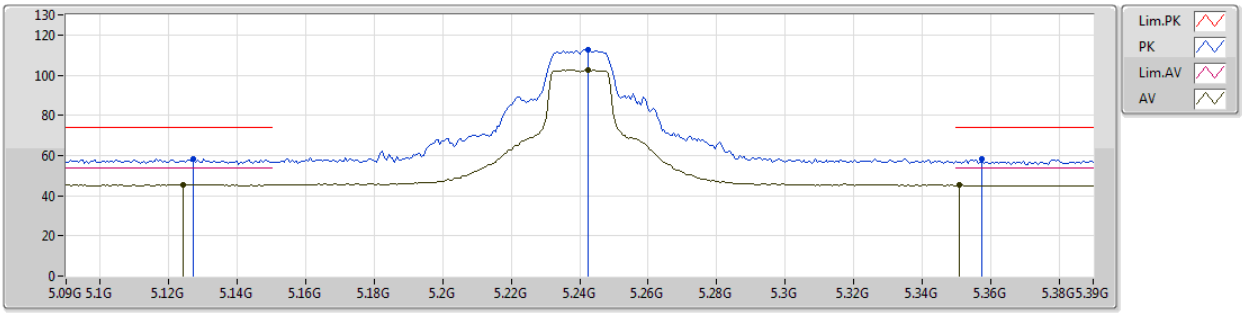
EUT Z_1TX
Setting 74
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1176G	57.52	74.00	-16.48	4.23	3	Vertical	119	2.19	-
AV	5.1056G	44.04	54.00	-9.96	4.23	3	Vertical	119	2.19	-
PK	5.2424G	97.33	Inf	-Inf	4.43	3	Vertical	119	2.19	-
AV	5.2442G	87.20	Inf	-Inf	4.43	3	Vertical	119	2.19	-
PK	5.3804G	57.30	74.00	-16.70	4.92	3	Vertical	119	2.19	-
AV	5.3846G	44.19	54.00	-9.81	4.93	3	Vertical	119	2.19	-

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

01/03/2019



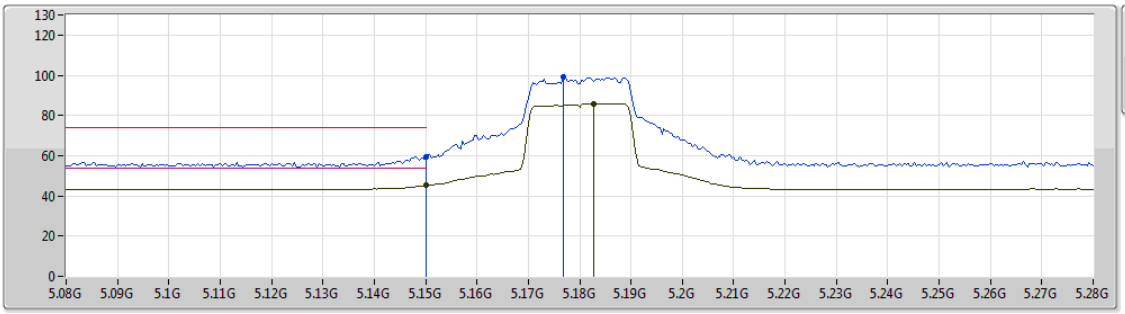
EUT Z_1TX
Setting 74
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1272G	58.49	74.00	-15.51	4.24	3	Horizontal	340	2.20	-
AV	5.1242G	45.65	54.00	-8.35	4.23	3	Horizontal	340	2.20	-
PK	5.2424G	112.64	Inf	-Inf	4.43	3	Horizontal	340	2.20	-
AV	5.2424G	102.60	Inf	-Inf	4.43	3	Horizontal	340	2.20	-
PK	5.3576G	58.02	74.00	-15.98	4.83	3	Horizontal	340	2.20	-
AV	5.351G	45.15	54.00	-8.85	4.81	3	Horizontal	340	2.20	-

802.11ax HEW20_Nss1,(MCS0)_1TX

5180MHz_TX

01/03/2019



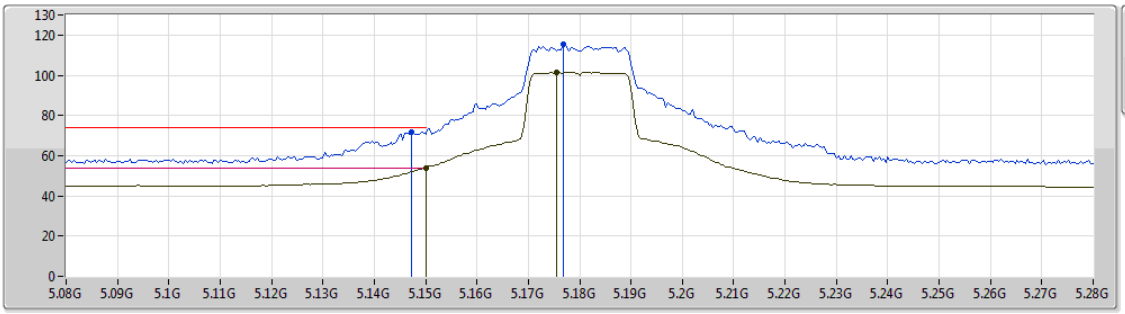
EUT Z_1TX
Setting 73
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.15G	59.29	74.00	-14.71	4.25	3	Vertical	121	2.05	-
AV	5.15G	45.11	54.00	-8.89	4.25	3	Vertical	121	2.05	-
PK	5.1768G	99.20	Inf	-Inf	4.26	3	Vertical	121	2.05	-
AV	5.1828G	85.86	Inf	-Inf	4.26	3	Vertical	121	2.05	-

802.11ax HEW20_Nss1,(MCS0)_1TX

5180MHz_TX

01/03/2019



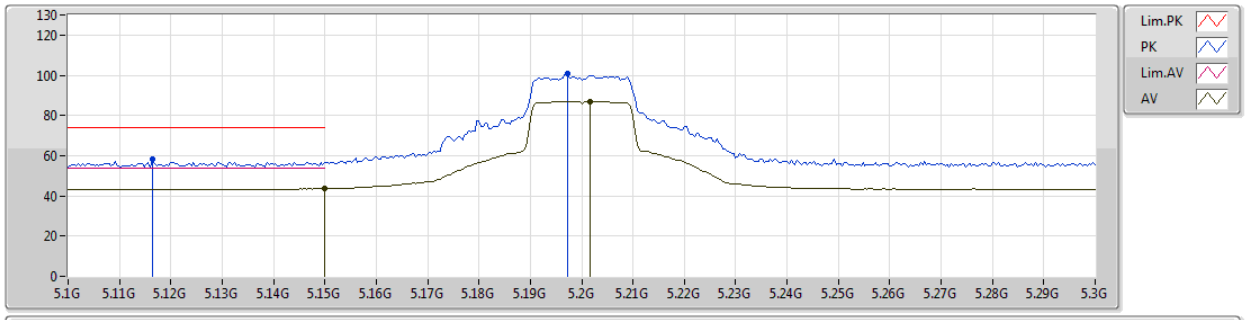
EUT Z_1TX
Setting 73
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1472G	71.76	74.00	-2.24	4.25	3	Horizontal	340	2.27	-
AV	5.15G	53.96	54.00	-0.04	4.25	3	Horizontal	340	2.27	-
PK	5.1768G	115.52	Inf	-Inf	4.26	3	Horizontal	340	2.27	-
AV	5.1756G	101.35	Inf	-Inf	4.26	3	Horizontal	340	2.27	-

802.11ax HEW20_Nss1,(MCS0)_1TX

5200MHz_TX

01/03/2019



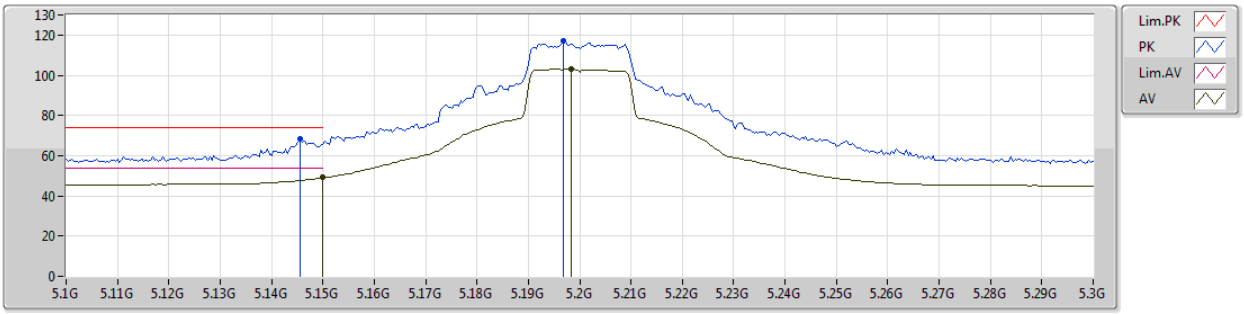
EUT Z_1TX
Setting 82
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1164G	58.01	74.00	-15.99	4.23	3	Vertical	266	2.08	-
AV	5.15G	43.58	54.00	-10.42	4.25	3	Vertical	266	2.08	-
PK	5.1972G	100.76	Inf	-Inf	4.27	3	Vertical	266	2.08	-
AV	5.2016G	87.00	Inf	-Inf	4.27	3	Vertical	266	2.08	-

802.11ax HEW20_Nss1,(MCS0)_1TX

5200MHz_TX

01/03/2019



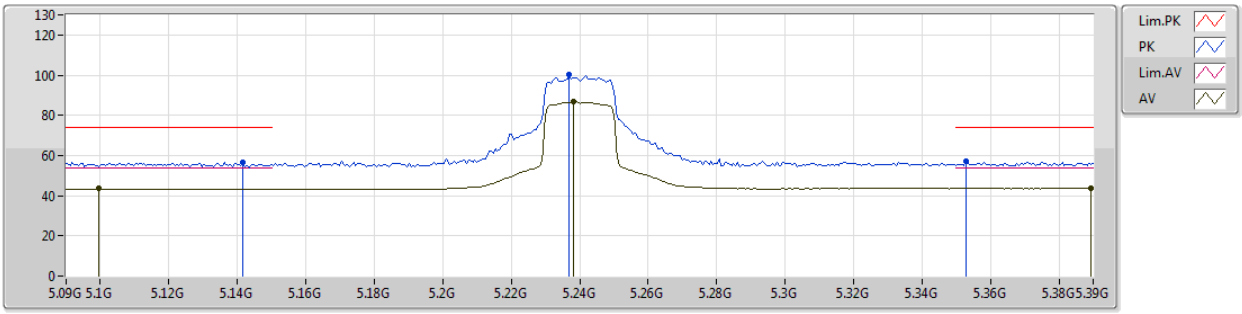
EUT Z_1TX
Setting 82
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1456G	68.11	74.00	-5.89	4.25	3	Horizontal	340	2.24	-
AV	5.15G	49.07	54.00	-4.93	4.25	3	Horizontal	340	2.24	-
PK	5.1968G	117.02	Inf	-Inf	4.27	3	Horizontal	340	2.24	-
AV	5.1984G	102.91	Inf	-Inf	4.27	3	Horizontal	340	2.24	-

802.11ax HEW20_Nss1,(MCS0)_1TX

5240MHz_TX

01/03/2019



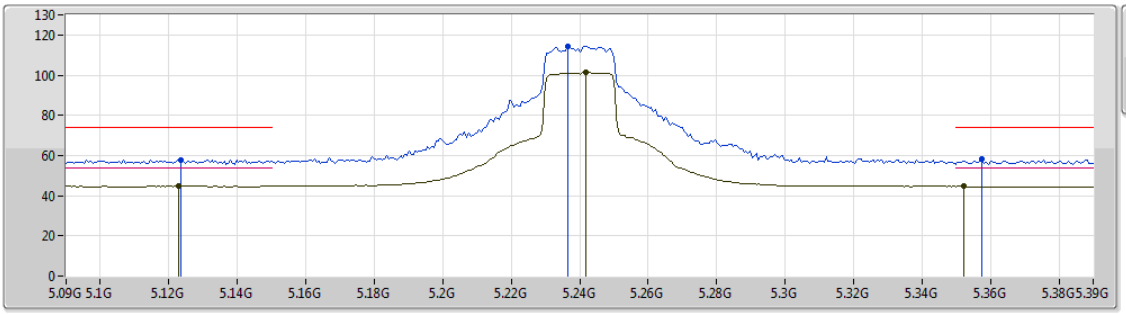
EUT Z_1TX
Setting 74
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1416G	56.80	74.00	-17.20	4.24	3	Vertical	117	2.17	-
AV	5.0996G	43.45	54.00	-10.55	4.22	3	Vertical	117	2.17	-
PK	5.237G	100.21	Inf	-Inf	4.41	3	Vertical	117	2.17	-
AV	5.2382G	86.62	Inf	-Inf	4.41	3	Vertical	117	2.17	-
PK	5.3528G	57.04	74.00	-16.96	4.82	3	Vertical	117	2.17	-
AV	5.3894G	43.69	54.00	-10.31	4.95	3	Vertical	117	2.17	-

802.11ax HEW20_Nss1,(MCS0)_1TX

5240MHz_TX

01/03/2019



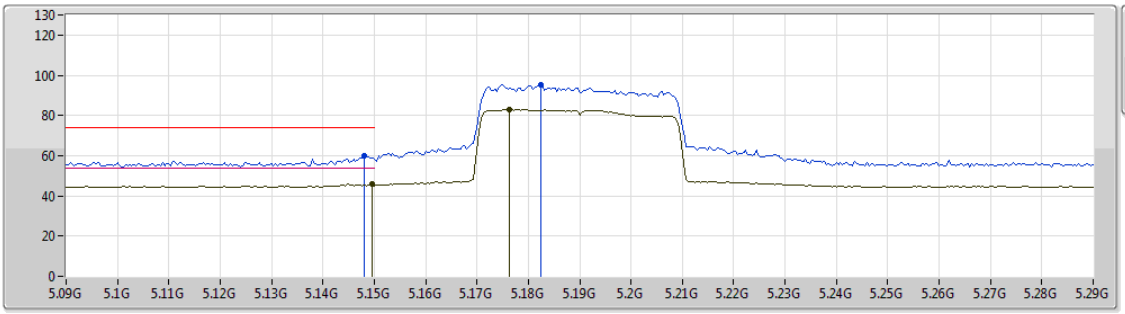
EUT Z_1TX
Setting 74
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1236G	57.89	74.00	-16.11	4.23	3	Horizontal	338	2.19	-
AV	5.123G	44.82	54.00	-9.18	4.23	3	Horizontal	338	2.19	-
PK	5.2364G	114.44	Inf	-Inf	4.41	3	Horizontal	338	2.19	-
AV	5.2418G	101.17	Inf	-Inf	4.43	3	Horizontal	338	2.19	-
PK	5.3576G	58.15	74.00	-15.85	4.83	3	Horizontal	338	2.19	-
AV	5.3522G	44.60	54.00	-9.40	4.82	3	Horizontal	338	2.19	-

802.11ax HEW40_Nss1,(MCS0)_1TX

5190MHz_TX

01/03/2019



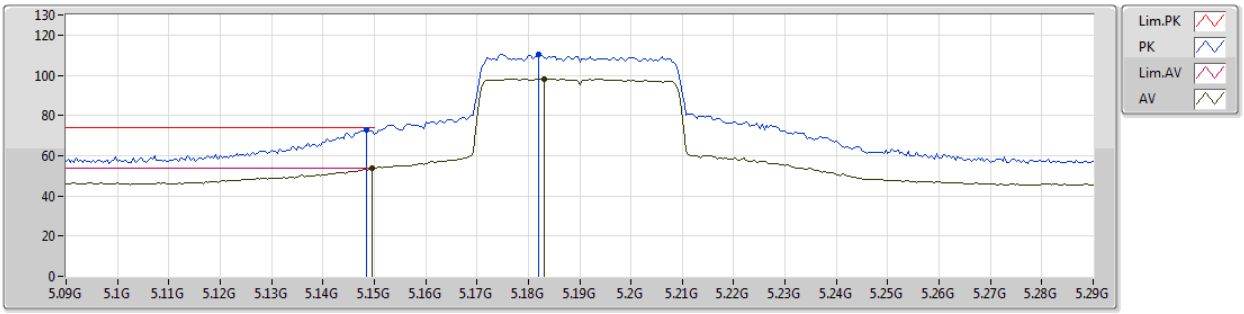
EUT Z_1TX
Setting 66
01-E-2-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.148G	59.77	74.00	-14.23	4.25	3	Vertical	87	2.91	-
AV	5.1496G	45.88	54.00	-8.12	4.25	3	Vertical	87	2.91	-
PK	5.1824G	95.42	Inf	-Inf	4.26	3	Vertical	87	2.91	-
AV	5.1764G	83.08	Inf	-Inf	4.26	3	Vertical	87	2.91	-

802.11ax HEW40_Nss1,(MCS0)_1TX

5190MHz_TX

01/03/2019



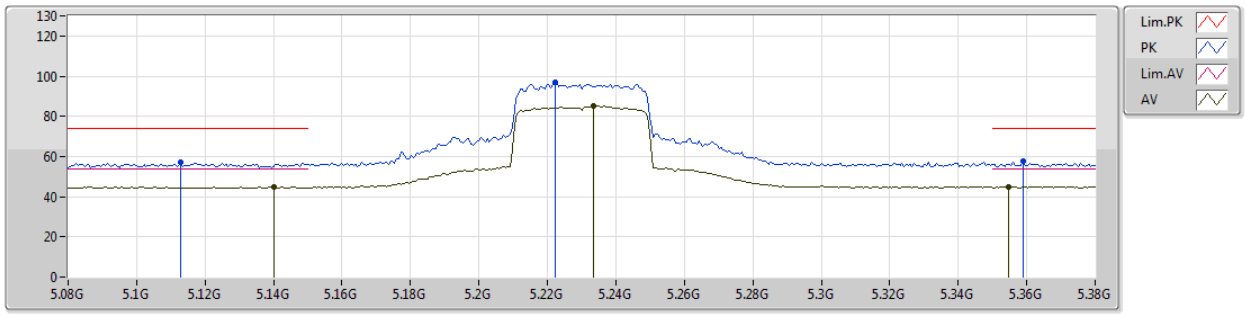
EUT Z_1TX
Setting 66
01-E-2-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1484G	72.94	74.00	-1.06	4.25	3	Horizontal	340	2.26	-
AV	5.1496G	53.73	54.00	-0.27	4.25	3	Horizontal	340	2.26	-
PK	5.182G	110.64	Inf	-Inf	4.26	3	Horizontal	340	D2.26	-
AV	5.1832G	98.21	Inf	-Inf	4.26	3	Horizontal	340	2.26	-

802.11ax HEW40_Nss1,(MCS0)_1TX

5230MHz_TX

01/03/2019



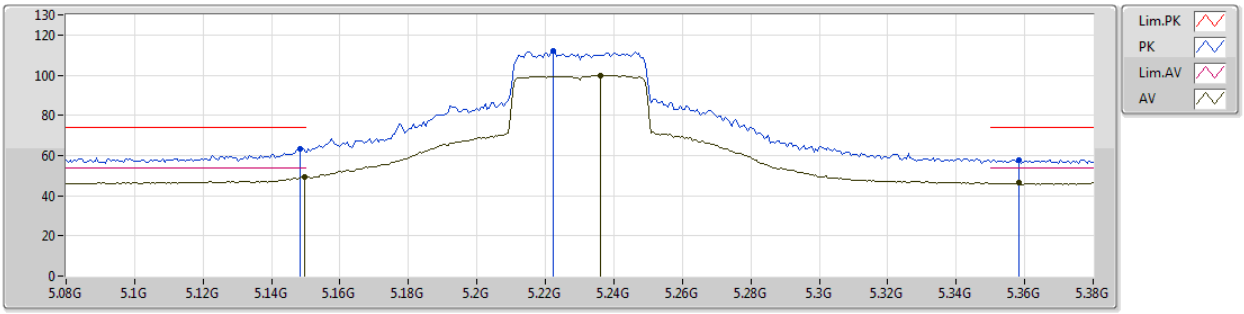
EUT Z_1TX
Setting 74
01-E-2-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.113G	56.89	74.00	-17.11	4.22	3	Vertical	121	2.04	-
AV	5.14G	45.00	54.00	-9.00	4.24	3	Vertical	121	2.04	-
PK	5.2222G	96.96	Inf	-Inf	4.36	3	Vertical	121	2.04	-
AV	5.2336G	85.14	Inf	-Inf	4.39	3	Vertical	121	2.04	-
PK	5.359G	57.51	74.00	-16.49	4.85	3	Vertical	121	2.04	-
AV	5.3548G	44.90	54.00	-9.10	4.82	3	Vertical	121	2.04	-

802.11ax HEW40_Nss1,(MCS0)_1TX

5230MHz_TX

01/03/2019



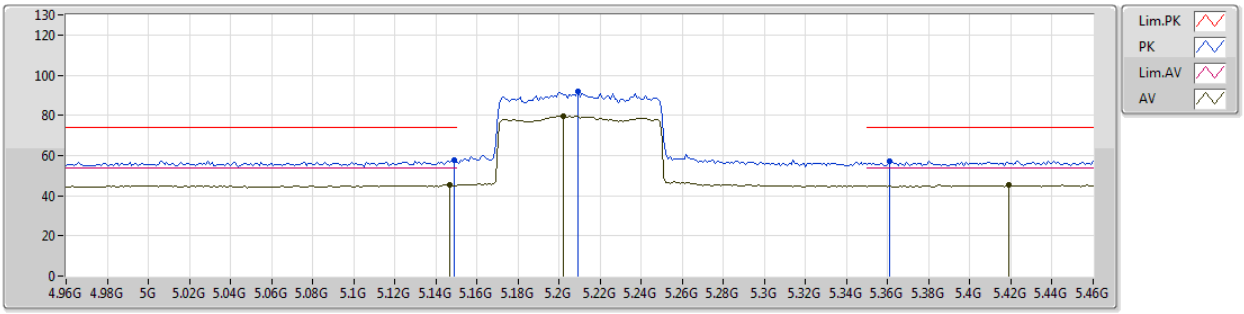
EUT Z_1TX
Setting 74
01-E-2-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1484G	63.40	74.00	-10.60	4.25	3	Horizontal	338	2.18	-
AV	5.1496G	49.38	54.00	-4.62	4.25	3	Horizontal	338	2.18	-
PK	5.2222G	111.91	Inf	-Inf	4.36	3	Horizontal	338	2.18	-
AV	5.236G	99.76	Inf	-Inf	4.41	3	Horizontal	338	2.18	-
PK	5.3584G	57.83	74.00	-16.17	4.85	3	Horizontal	338	2.18	-
AV	5.3584G	46.31	54.00	-7.69	4.85	3	Horizontal	338	2.18	-

802.11ax HEW80_Nss1,(MCS0)_1TX

5210MHz_TX

01/03/2019



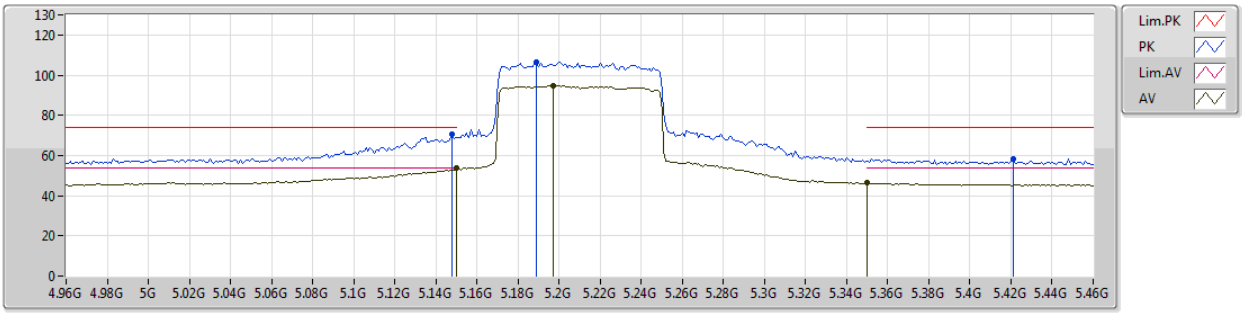
EUT Z_1TX
Setting 63
01-E-2-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.149G	57.88	74.00	-16.12	4.25	3	Vertical	119	2.24	-
AV	5.147G	45.23	54.00	-8.77	4.25	3	Vertical	119	2.24	-
PK	5.209G	91.63	Inf	-Inf	4.31	3	Vertical	119	2.24	-
AV	5.202G	79.57	Inf	-Inf	4.28	3	Vertical	119	2.24	-
PK	5.361G	57.20	74.00	-16.80	4.85	3	Vertical	119	2.24	-
AV	5.419G	45.22	54.00	-8.78	5.07	3	Vertical	119	2.24	-

802.11ax HEW80_Nss1,(MCS0)_1TX

5210MHz_TX

01/03/2019



EUT Z_1TX
Setting 63
01-E-2-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.148G	70.60	74.00	-3.40	4.25	3	Horizontal	338	2.29	-
AV	5.15G	53.74	54.00	-0.26	4.25	3	Horizontal	338	2.29	-
PK	5.189G	106.34	Inf	-Inf	4.26	3	Horizontal	338	2.29	-
AV	5.197G	94.54	Inf	-Inf	4.27	3	Horizontal	338	2.29	-
PK	5.421G	58.49	74.00	-15.51	5.07	3	Horizontal	338	2.29	-
AV	5.35G	46.35	54.00	-7.65	4.81	3	Horizontal	338	2.29	-

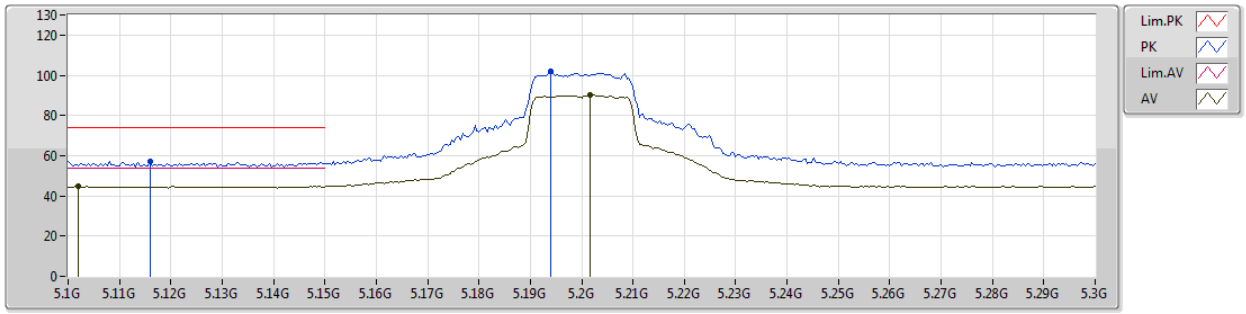
Summary

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	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss2,(MCS0)_2TX	Pass	AV	5.15G	53.97	54.00	-0.03	4.25	3	Horizontal	252	2.14	-

802.11ax HEW20_Nss2,(MCS0)_2TX

5200MHz_TX

01/03/2019



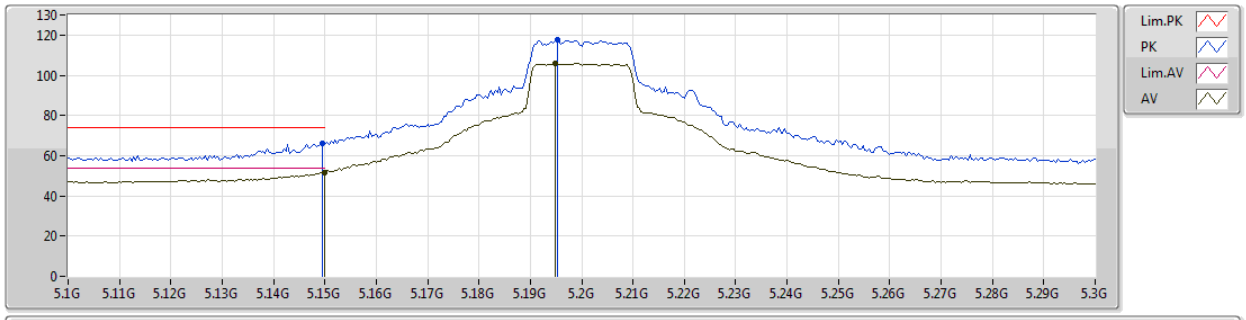
EUT Z_2TX
Setting 82
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.116G	57.02	74.00	-16.98	4.23	3	Vertical	173	2.03	-
AV	5.102G	44.98	54.00	-9.02	4.22	3	Vertical	173	2.03	-
PK	5.194G	101.87	Inf	-Inf	4.26	3	Vertical	173	2.03	-
AV	5.2016G	90.11	Inf	-Inf	4.27	3	Vertical	173	2.03	-

802.11ax HEW20_Nss2,(MCS0)_2TX

5200MHz_TX

01/03/2019



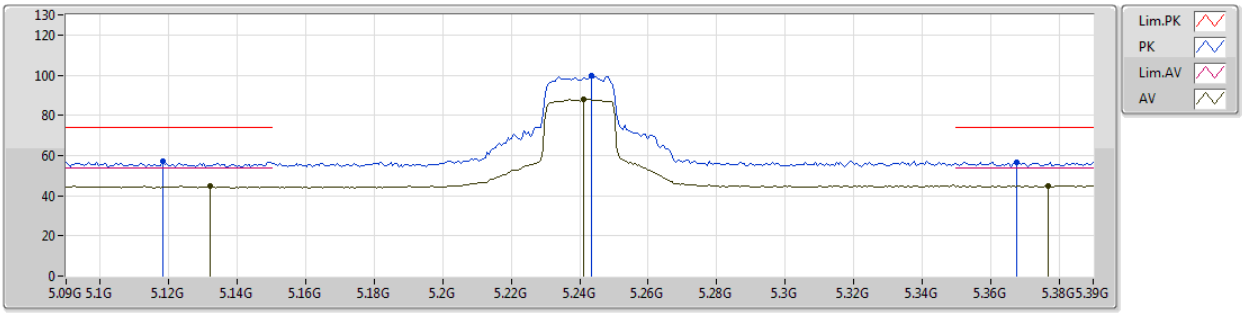
EUT Z_2TX
Setting 82
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1496G	65.95	74.00	-8.05	4.25	3	Horizontal	250	2.12	-
AV	5.15G	51.80	54.00	-2.20	4.25	3	Horizontal	250	2.12	-
PK	5.1952G	117.50	Inf	-Inf	4.27	3	Horizontal	250	2.12	-
AV	5.1948G	106.18	Inf	-Inf	4.26	3	Horizontal	250	2.12	-

802.11ax HEW20_Nss2,(MCS0)_2TX

5240MHz_TX

01/03/2019



EUT Z_2TX
Setting 74
01-J-5-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1182G	57.18	74.00	-16.82	4.23	3	Vertical	170	2.03	-
AV	5.132G	44.89	54.00	-9.11	4.24	3	Vertical	170	2.03	-
PK	5.2436G	99.89	Inf	-Inf	4.43	3	Vertical	170	2.03	-
AV	5.2412G	88.00	Inf	-Inf	4.42	3	Vertical	170	2.03	-
PK	5.3678G	56.76	74.00	-17.24	4.87	3	Vertical	170	2.03	-
AV	5.3768G	44.91	54.00	-9.09	4.91	3	Vertical	170	2.03	-