FCC RADIO TEST REPORT

FCC ID	:	**QXO-AP302W**
Equipment	:	**Access Point**
Brand Name	:	**Extreme Networks**
Model Name	:	**AP302W**
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 Sep. 25, 2020, and testing was started from Sep. 25, 2020 and completed on Oct. 17, 2020. 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 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.

Cliff chang

Approved by: Cliff Chang

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 Applicable 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 17
2.3 EUT Operation during Test 18
2.4 Accessories 19
2.5 Support Equipment 19
2.6 Test Setup Diagram 20

3 Transmitter Test Result **22**

3.1 Emission Bandwidth 22
3.2 Maximum Conducted Output Power 24
3.3 Peak Power Spectral Density 26
3.4 Unwanted Emissions 29

4 Test Equipment and Calibration Data **32**

Appendix A. Test Results of Emission Bandwidth

Appendix B. Test Results of Maximum Conducted Output Power

Appendix C. Test Results of Peak Power Spectral Density

Appendix D. Test Results of Unwanted Emissions

Appendix E. Test Photos

Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR091507-01	01	Initial issue of report	Nov. 27, 2020

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	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	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:
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: Sam Chen

Report Producer: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20), ax (HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5690	106-138 [3]

For Dual Band Radio and 5G Radio

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	1, 2
5.25-5.35GHz	802.11n HT20	20	1, 2
5.25-5.35GHz	802.11n HT20-BF	20	2
5.25-5.35GHz	802.11ac VHT20	20	1, 2
5.25-5.35GHz	802.11ac VHT20-BF	20	2
5.25-5.35GHz	802.11ax HEW20	20	1, 2
5.25-5.35GHz	802.11ax HEW20-BF	20	2
5.25-5.35GHz	802.11n HT40	40	1, 2
5.25-5.35GHz	802.11n HT40-BF	40	2
5.25-5.35GHz	802.11ac VHT40	40	1, 2
5.25-5.35GHz	802.11ac VHT40-BF	40	2
5.25-5.35GHz	802.11ax HEW40	40	1, 2
5.25-5.35GHz	802.11ax HEW40-BF	40	2
5.25-5.35GHz	802.11ac VHT80	80	1, 2
5.25-5.35GHz	802.11ac VHT80-BF	80	2
5.25-5.35GHz	802.11ax HEW80	80	1, 2
5.25-5.35GHz	802.11ax HEW80-BF	80	2

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.

1.1.2 Antenna Information

Set.	Ant.	2.4G Port	5G Port	Bluetooth & IEEE802.15.4 (Zigbee/Thread) Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	1	1	-	WNC	XKAN-N04	Printed Antenna	I-PEX	Note1
	2	2	2	-	WNC	XKAN-N04	Printed Antenna	I-PEX	
	3	-	2	1	WNC	XKAN-N04	Printed Antenna	I-PEX	
	4	-	1	-	WNC	XKAN-N04	Printed Antenna	I-PEX	

Note1:

Set.	Ant.	2.4G Port	5G Port	Bluetooth & IEEE802.15.4 (Zigbee/Thread) Port	Gain (dBi)		
					2.4GHz	5GHz	Bluetooth & IEEE802.15.4 (Zigbee/Thread)
1	1	1	1	-	4.5	6.0	-
	2	2	2	-	4.5	6.0	-
	3	-	2	1	-	6.6	4.8
	4	-	1	-	-	6.6	-

Note2: The above information was declared by manufacturer.

Dual Band Radio

<For 2.4GHz Band>

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

The EUT supports 1TX/2RX function, and it supports TX diversity function.

Both Port 1 and Port 2 could be used as transmitting antenna, but only one of them will be used at one time. Port 1 and Port 2 could receive simultaneously.

For TX function: Port 1 generated the worst case than Port 2, so it is tested and recorded in the report.

For IEEE 802.11b/g/n/VHT/ax mode (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For 5GHz Band>

For IEEE 802.11a/n/ac/ax mode (1TX/2RX):

The EUT supports 1TX/2RX function, and it supports TX diversity function.

Both Port 1 and Port 2 could be used as transmitting antenna, but only one of them will be used at one time. Port 1 and Port 2 could receive simultaneously.

For TX function: Port 1 generated the worst case than Port 2, so it is tested and recorded in the report.

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

5G Radio

<For 5GHz Band>

For IEEE 802.11a/n/ac/ax mode (1TX/2RX):

The EUT supports 1TX/2RX function, and it supports TX diversity function.

Both Port 1 and Port 2 could be used as transmitting antenna, but only one of them will be used at one time. Port 1 and Port 2 could receive simultaneously.

For TX function: Port 2 generated the worst case than Port 1, so it is tested and recorded in the report.

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

BLE/IEEE802.15.4 (Zigbee/Thread) Radio

For Bluetooth & IEEE802.15.4 (Zigbee/Thread) mode (1TX):

Only Port 1 can be used as transmitting antenna.

1.1.3 Mode Test Duty Cycle

For Dual Band Radio
For non beamforming mode 1TX

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.947	0.24	2.065m	1k
802.11ax HEW20	0.979	0.09	1.489m	1k
802.11ax HEW40	0.964	0.16	781.25u	3k
802.11ax HEW80	0.928	0.32	415u	3k

2TX

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.947	0.24	2.066m	1k
802.11ax HEW20	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.961	0.17	781.25u	3k
802.11ax HEW80	0.928	0.32	415u	3k

For beamforming mode 2TX

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF	0.884	0.54	1.654m	1k
802.11ax HEW40-BF	0.835	0.78	2.936m	1k
802.11ax HEW80-BF	0.86	0.66	4.856m	300

For 5G Radio
For non beamforming mode 1TX

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.947	0.24	2.065m	1k
802.11ax HEW20	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.961	0.17	781.25u	3k
802.11ax HEW80	0.929	0.32	415u	3k

2TX

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.947	0.24	2.065m	1k
802.11ax HEW20	0.979	0.09	1.489m	1k
802.11ax HEW40	0.964	0.16	781.25u	3k
802.11ax HEW80	0.929	0.32	415u	3k

For beamforming mode 2TX

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF	0.903	0.44	1.499m	1k
802.11ax HEW40-BF	0.912	0.4	2.933m	1k
802.11ax HEW80-BF	0.928	0.32	5.205m	300

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter or PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	accessMTool_3.1.0.3			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT Support Function

Radio	Function		
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth & IEEE802.15.4 (Zigbee/Thread)
Dual Band Radio	V	V	-
5G Radio	-	V	-
BLE/IEEE802.15.4 (Zigbee/Thread) Radio	-	-	V

Function	Support Type	Support Band
AP	Master	WLAN 2.4GHz/Bluetooth/IEEE802.15.4(Zigbee/Thread)/WLAN 5GHz Band 1~4
Bridge	Master	WLAN 2.4GHz/Bluetooth/IEEE802.15.4(Zigbee/Thread)/WLAN 5GHz Band 1+4
Mesh	Master	WLAN 2.4GHz/Bluetooth/IEEE802.15.4(Zigbee/Thread)/WLAN 5GHz Band 1+4

Note: The above information was declared by manufacturer.

1.1.6 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR091507AB

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

Modifications	Performance Checking
Adding Band 2 and Band 3 (5250~5350 MHz, 5470~5725 MHz).	1. Emission Bandwidth 2. Maximum Conducted Output Power 3. Peak Power Spectral Density 4. Unwanted Emissions above 1GHz

1.2 Applicable 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

The following reference test guidance is not within the scope of accreditation of TAF.

- 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	TH02-CB	Owen Hsu	22.2~23.1°C / 57~60%	Oct. 06, 2020 ~ Oct. 17, 2020
Radiated above 1GHz	03CH02-CB	Paul Chen	24.3~25.5°C / 54~57% 24.1~25.3°C / 54~57% 23.9~25.1°C / 55~58% 24.2~25.7°C / 54~56%	Sep. 25, 2020 ~ Oct. 14, 2020
	03CH06-CB		23.6~25.4°C / 53~56%	

Test site Designation No. TW0006 with FCC
Test site registered number IC 4086D 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
Radiated Emission (1GHz ~ 18GHz)	4.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.6 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.39%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For Dual Band Radio
For non beamforming mode 1TX

Mode	Power Setting	PowerSetting (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-
5260MHz	80	20
5300MHz	81	20.25
5320MHz	77	19.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
5260MHz	79	19.75
5300MHz	79	19.75
5320MHz	71	17.75
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
5270MHz	81	20.25
5310MHz	67	16.75
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-
5290MHz	64	16

2TX

Mode	Power Setting	PowerSetting (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-
5260MHz	70	17.5
5300MHz	70	17.5
5320MHz	70	17.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-
5260MHz	71	17.75
5300MHz	72	18
5320MHz	64	16
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-
5270MHz	74	18.5
5310MHz	59	14.75
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-
5290MHz	60	15

For beamforming mode 2TX

Mode	Power Setting	PowerSetting (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-
5260MHz	67	16.75
5300MHz	67	16.75
5320MHz	67	16.75
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-
5270MHz	67	16.75
5310MHz	63	15.75
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-
5290MHz	60	15

For 5G Radio
For non beamforming mode 1TX

Mode	Power Setting	PowerSetting (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-
5260MHz	81	20.25
5300MHz	82	20.5
5320MHz	76	19
5500MHz	60	15
5580MHz	81	20.25
5700MHz	61	15.25
5720MHz Straddle 5.47-5.725GHz	81	20.25
5720MHz Straddle 5.725-5.85GHz	81	20.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
5260MHz	80	20
5300MHz	81	20.25
5320MHz	70	17.5
5500MHz	61	15.25
5580MHz	80	20
5700MHz	50	12.5
5720MHz Straddle 5.47-5.725GHz	78	19.5
5720MHz Straddle 5.725-5.85GHz	78	19.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
5270MHz	78	19.5
5310MHz	64	16
5510MHz	57	14.25
5550MHz	76	19
5670MHz	69	17.25
5710MHz Straddle 5.47-5.725GHz	82	20.5
5710MHz Straddle 5.725-5.85GHz	82	20.5
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-
5290MHz	64	16
5530MHz	61	15.25
5610MHz	75	18.75
5690MHz Straddle 5.47-5.725GHz	83	20.75
5690MHz Straddle 5.725-5.85GHz	83	20.75

2TX

Mode	Power Setting	PowerSetting (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-
5260MHz	66	16.5
5300MHz	67	16.75
5320MHz	67	16.75
5500MHz	58	14.5
5580MHz	65	16.25
5700MHz	61	15.25
5720MHz Straddle 5.47-5.725GHz	66	16.5
5720MHz Straddle 5.725-5.85GHz	66	16.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-
5260MHz	68	17
5300MHz	68	17
5320MHz	63	15.75
5500MHz	60	15
5580MHz	66	16.5
5700MHz	49	12.25
5720MHz Straddle 5.47-5.725GHz	68	17
5720MHz Straddle 5.725-5.85GHz	68	17
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-
5270MHz	74	18.5
5310MHz	59	14.75
5510MHz	53	13.25
5550MHz	73	18.25
5670MHz	66	16.5
5710MHz Straddle 5.47-5.725GHz	80	20
5710MHz Straddle 5.725-5.85GHz	80	20
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-
5290MHz	61	15.25
5530MHz	57	14.25
5610MHz	71	17.75
5690MHz Straddle 5.47-5.725GHz	79	19.75
5690MHz Straddle 5.725-5.85GHz	79	19.75

For beamforming mode 2TX

Mode	Power Setting	PowerSetting (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-
5260MHz	65	16.25
5300MHz	66	16.5
5320MHz	63	15.75
5500MHz	58	14.5
5580MHz	64	16
5700MHz	49	12.25
5720MHz Straddle 5.47-5.725GHz	64	16
5720MHz Straddle 5.725-5.85GHz	64	16
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-
5270MHz	65	16.25
5310MHz	58	14.5
5510MHz	53	13.25
5550MHz	64	16
5670MHz	64	16
5710MHz Straddle 5.47-5.725GHz	66	16.5
5710MHz Straddle 5.725-5.85GHz	66	16.5
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-
5290MHz	55	13.75
5530MHz	53	13.25
5610MHz	67	16.75
5690MHz Straddle 5.47-5.725GHz	67	16.75
5690MHz Straddle 5.725-5.85GHz	67	16.75

Note:
- There are two modes for the EUT, one is beamforming mode, and the other is Non-beamforming mode. The EUT supports beamforming function in n/VHT/ax for 2.4GHz and n/ac/ax for 5GHz. Both modes have been test and record in this test report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode > 1GHz	CTX
1	Dual Band Radio with 5GHz function
2	5G Radio with 5GHz function

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Dual Band Radio with 2.4GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with Bluetooth
2	Dual Band Radio with 5GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with Bluetooth
3	Dual Band Radio with 2.4GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with IEEE802.15.4
4	Dual Band Radio with 5GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with IEEE802.15.4
Refer to Sporton Test Report No.: FA091507-01 for Co-location RF Exposure Evaluation.	

Note1: The EUT only used at Y axis position.

Note2: The PoE is for measurement only, would not be marketed.

The detail information as below:

Power	Brand	Model
Adapter	powertron electronics corp.	PA1024-120IB200
PoE	Microsemi	PD-9001GR/AT/AC

Note3: The USB port was performed at the load as applicant requirement.

Note4: Operation mode as following:

Mode \ Radio	Dual Band Radio	5G Radio
Mode 1	2.4GHz 1TX: Support TX diversity 2TX: Support non-BF/TXBF	5GHz Band 1~4 1TX: Support TX diversity 2TX: Support non-BF/TXBF
Mode 2	2.4GHz 1TX: Support TX diversity 2TX: Support non-BF/TXBF 5GHz Band 1/4 2TX: Support non-BF	5GHz Band 1~4 1TX: Support TX diversity 2TX: Support non-BF/TXBF
Mode 3	5GHz Band 1 / Band 2 1TX: Support TX diversity 2TX: Support non-BF/TXBF	5GHz Band 3 / Band 4 1TX: Support TX diversity 2TX: Support non-BF/TXBF

After evaluating, the test mode has been selected as following:

Dual Band Radio:

2.4GHz: 1TX, 2TX non-BF, 2TX BF

5GHz Band 1 / Band 2: 1TX, 2TX non-BF, 2TX BF

5GHz Band 3 / Band 4: 2TX non-BF

5G Radio:

5GHz Band 1 / Band 2: 1TX, 2TX non-BF, 2TX BF

5GHz Band 3 / Band 4: 1TX, 2TX non-BF, 2TX BF

2.3 EUT Operation during Test

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.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN AP and transmit duty cycle no less than 98%.

2.4 Accessories

Others
RJ-45 cable*1, non-shielded, 0.1m
Bracket*1

2.5 Support Equipment

For Radiated (above 1GHz):
For non beamforming mode

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Adapter	powertron electronics corp.	PA1024-120IB200	N/A

For beamforming mode

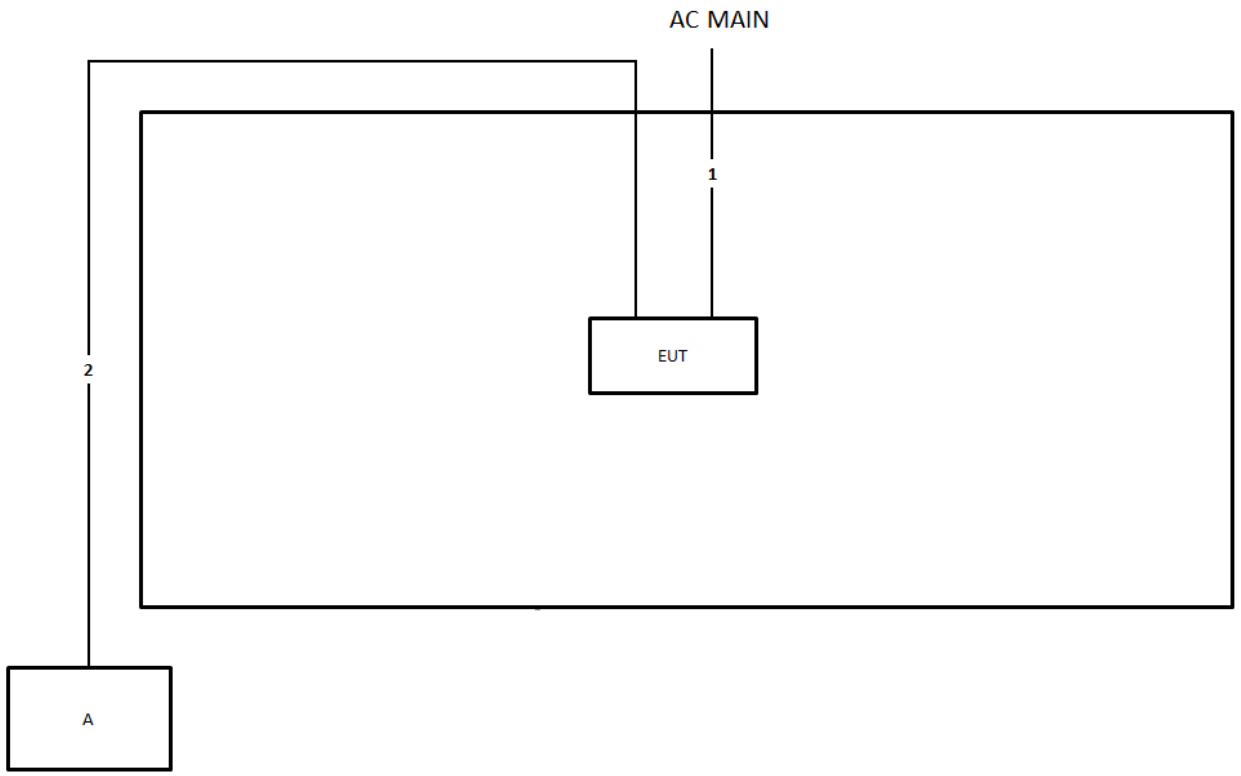
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	WLAN AP	Extreme Networks	AP302W	N/A
D	Adapter	powertron electronics corp.	PA1024-120IB200	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Adapter	powertron electronics corp.	PA1024-120IB200	N/A

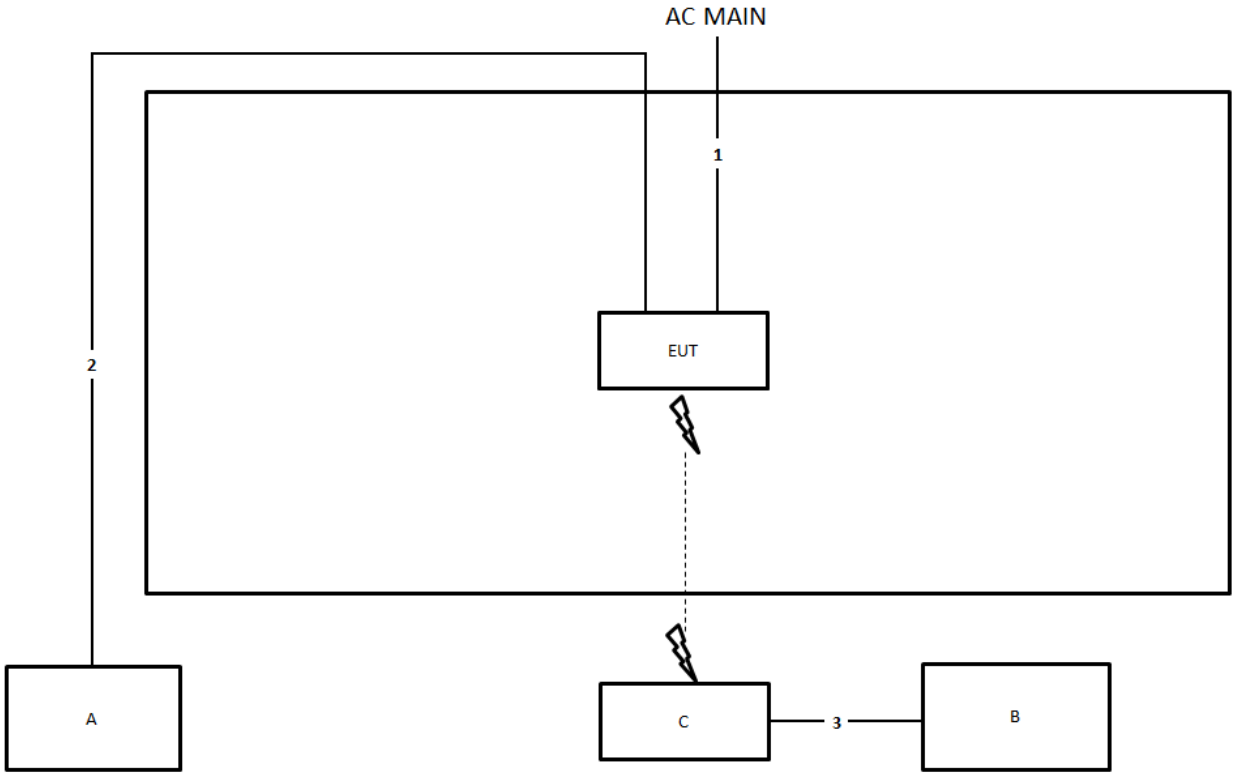
2.6 Test Setup Diagram

Test Setup Diagram - Radiated Test > 1GHz / For non beamforming mode



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

Test Setup Diagram - Radiated Test > 1GHz / For beamforming mode



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

3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 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.

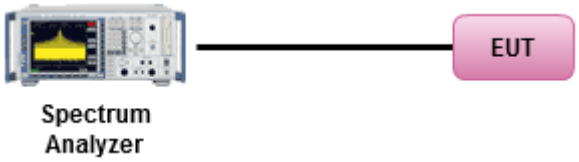
3.1.2 Measuring Instruments

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

3.1.3 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.

3.1.4 Test Setup

Emission Bandwidth


3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 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.	

3.2.2 Measuring Instruments

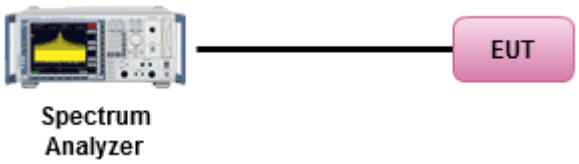
Refer a test equipment and calibration data table in this test report.

3.2.3 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]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

For straddle channel

RF Output Power (Spectrum Analyzer)


For other channel

RF Output Power (Power Meter)

3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 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.	

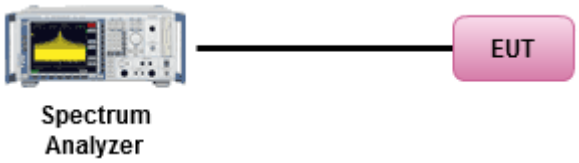
3.3.2 Measuring Instruments

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

3.3.3 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]) $EIRP_{total} = PPSD_{total} + DG$

3.3.4 Test Setup

Power Spectral Density


3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 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).

3.4.2 Measuring Instruments

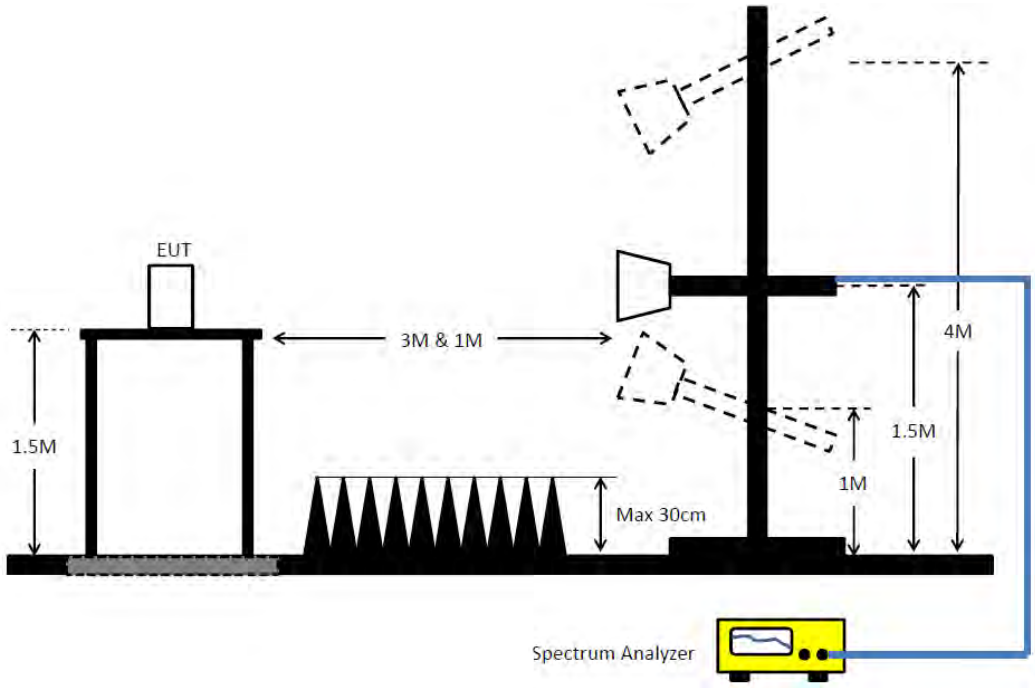
Refer a test equipment and calibration data table in this test report.

3.4.3 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.			

3.4.4 Test Setup

Above 1GHz



3.4.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Site V.S.W.R	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 28, 2020	Mar. 27, 2021	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 21, 2020	Apr. 20, 2021	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 13, 2020	Jul. 12, 2021	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	May 12, 2020	May 11, 2021	Radiation (03CH02-CB)
High Cable	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
High Cable	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Site V.S.W.R	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 03, 2019	Oct. 02, 2020	Radiation (03CH06-CB)
Site V.S.W.R	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2020	Oct. 01, 2021	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 22, 2020	Jul. 21, 2021	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 07, 2020	May 06, 2021	Radiation (03CH06-CB)
Amplifier	-	-	TF-130N-R1	18GHz ~ 40GHz	Jun. 19, 2020	Jun. 18, 2021	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	May 12, 2020	May 11, 2021	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	May 12, 2020	May 11, 2021	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1531343	300MHz~40GHz	Aug. 04, 2020	Aug. 03, 2021	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1728001	300MHz~40GHz	Aug. 04, 2020	Aug. 03, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

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

For Dual Band Radio
For non beamforming mode 1TX
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	37.74M	19.52M	19M5D1D	33.69M	17.301M
802.11ax HEW20_Nss1,(MCS0)_1TX	41.07M	19.88M	19M9D1D	24.24M	19.1M
802.11ax HEW40_Nss1,(MCS0)_1TX	77.22M	39.1M	39M1D1D	40.2M	37.541M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.48M	76.882M	76M9D1D	81.48M	76.882M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5260MHz	Pass	Inf	37.74M	19.52M
5300MHz	Pass	Inf	37.59M	19.49M
5320MHz	Pass	Inf	33.69M	17.301M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5260MHz	Pass	Inf	41.07M	19.88M
5300MHz	Pass	Inf	41.07M	19.58M
5320MHz	Pass	Inf	24.24M	19.1M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5270MHz	Pass	Inf	77.22M	39.1M
5310MHz	Pass	Inf	40.2M	37.541M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5290MHz	Pass	Inf	81.48M	76.882M

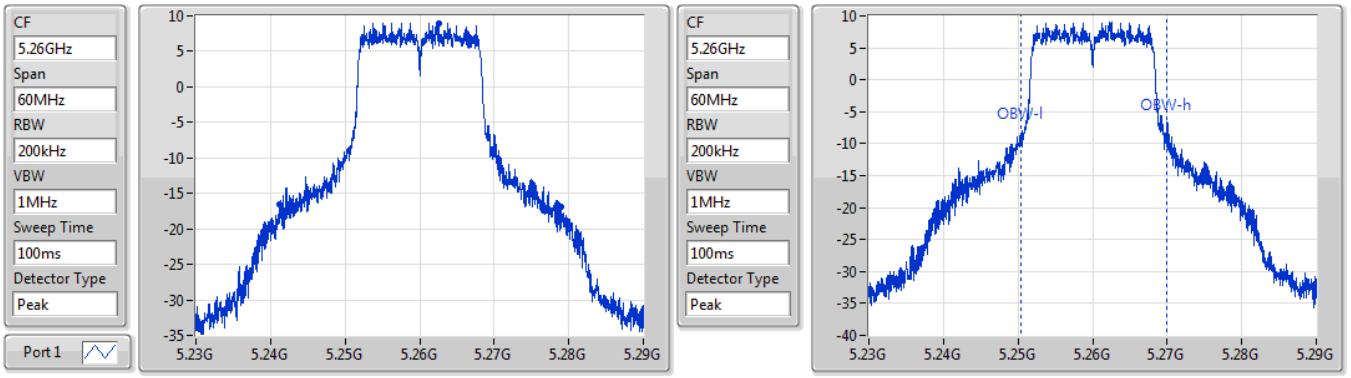
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX

EBW

5260MHz

17/10/2020



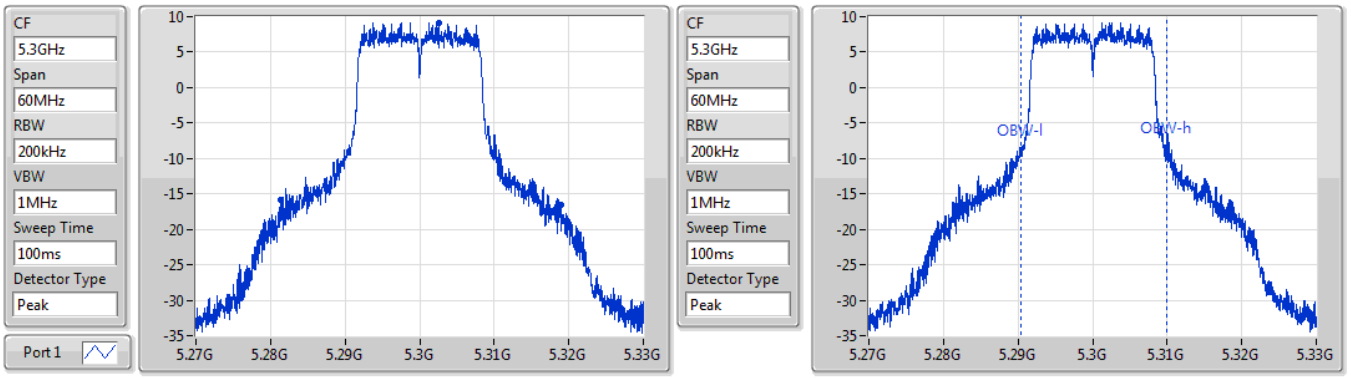
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.74M	5.24119G	5.27893G	19.52M	5.250375G	5.269895G	Inf	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5300MHz

17/10/2020



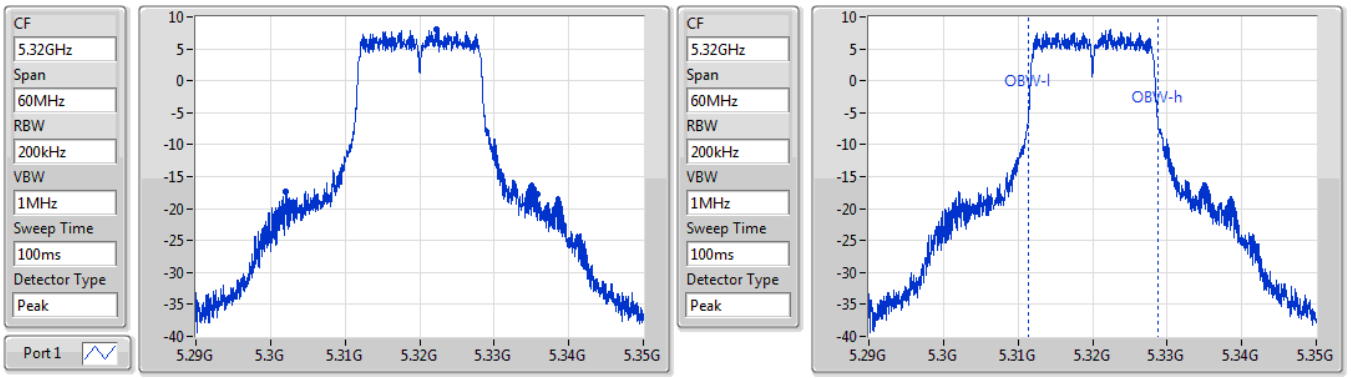
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.59M	5.28131G	5.3189G	19.49M	5.290435G	5.309925G	Inf	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5320MHz

17/10/2020



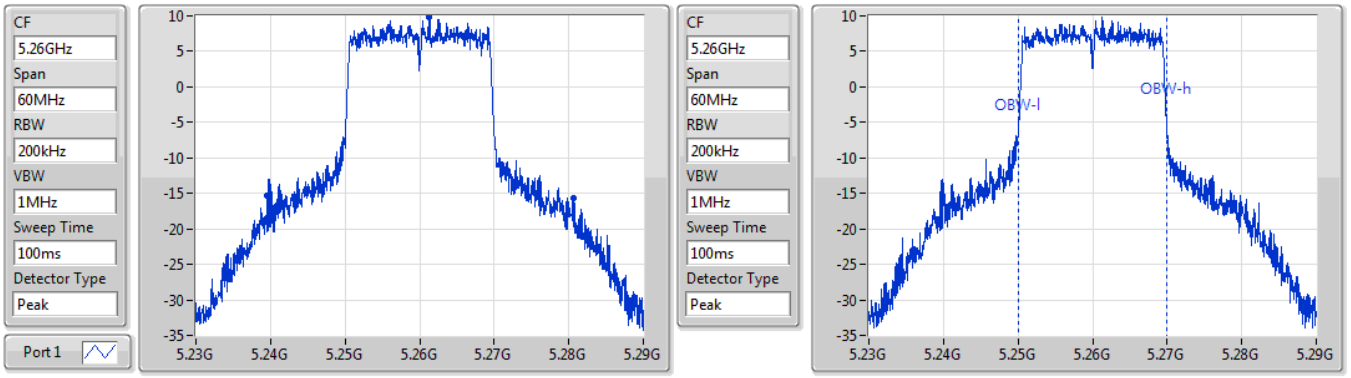
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.69M	5.30206G	5.33575G	17.301M	5.311454G	5.328756G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5260MHz

17/10/2020



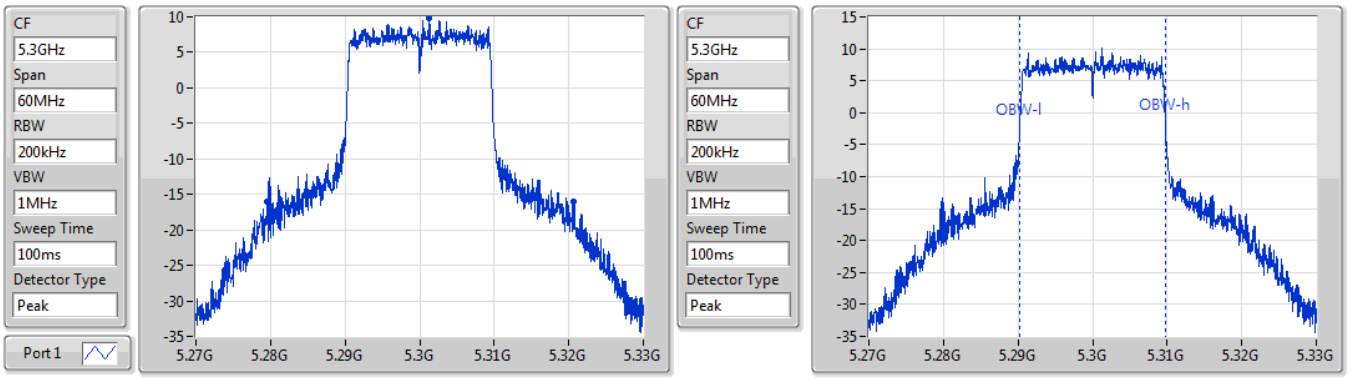
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.07M	5.2396G	5.28067G	19.88M	5.250015G	5.269895G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5300MHz

17/10/2020



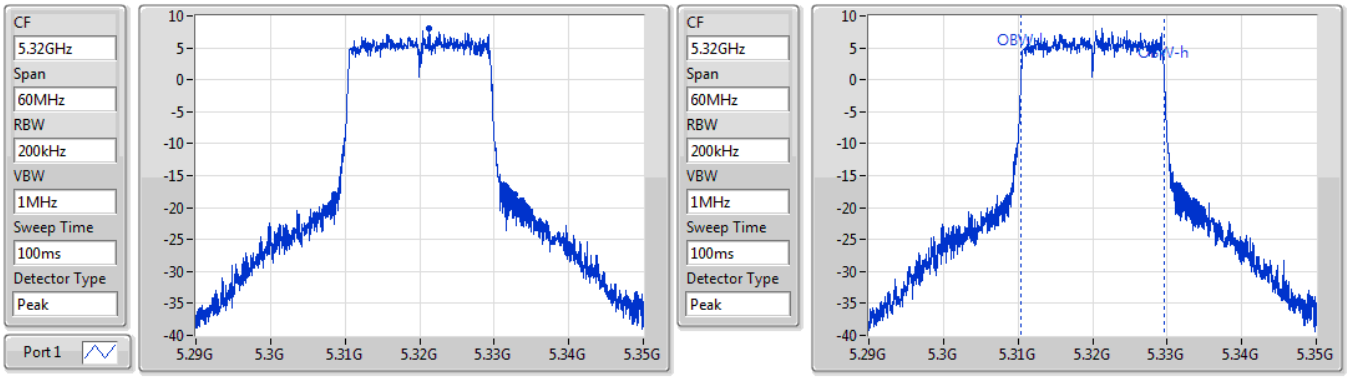
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.07M	5.2796G	5.32067G	19.58M	5.290195G	5.309775G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5320MHz

17/10/2020



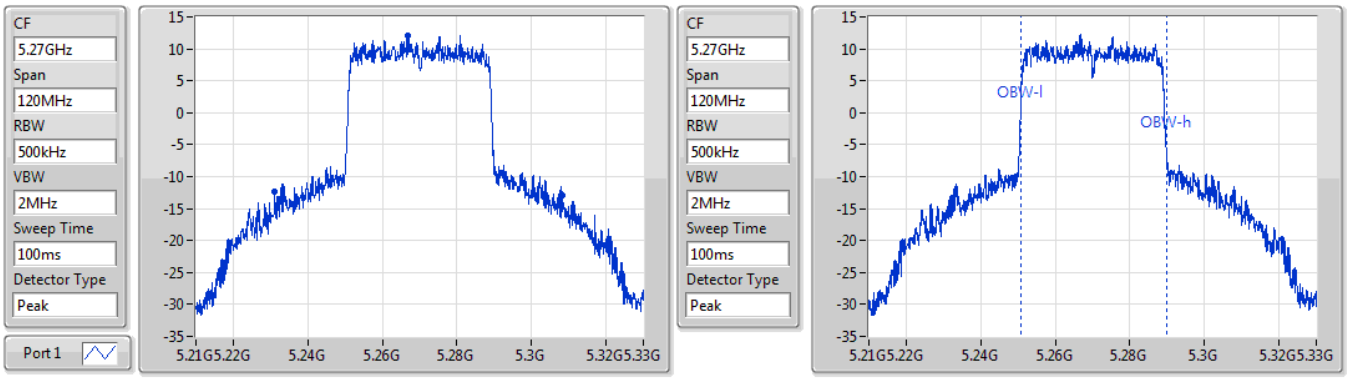
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.24M	5.3086G	5.33284G	19.1M	5.310465G	5.329565G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5270MHz

17/10/2020



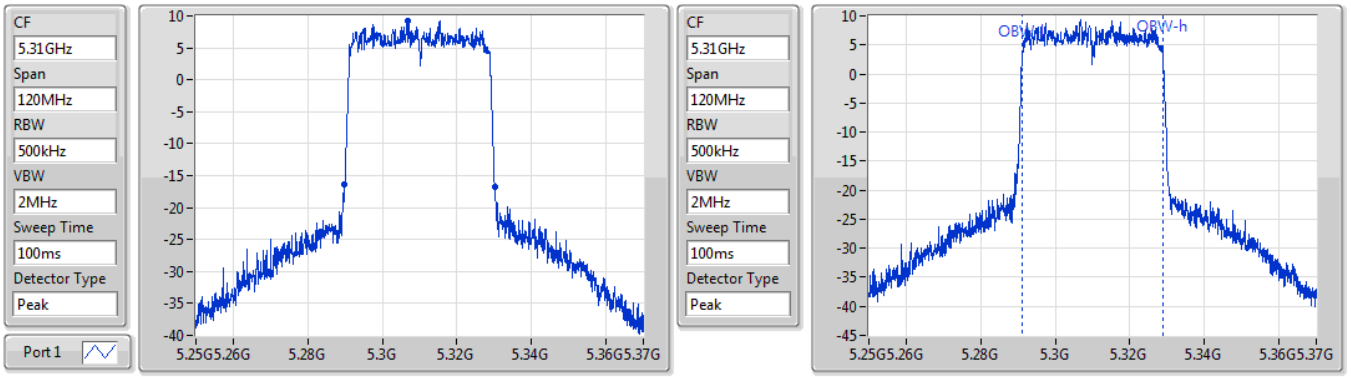
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.22M	5.23106G	5.30828G	39.1M	5.25063G	5.28973G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5310MHz

17/10/2020

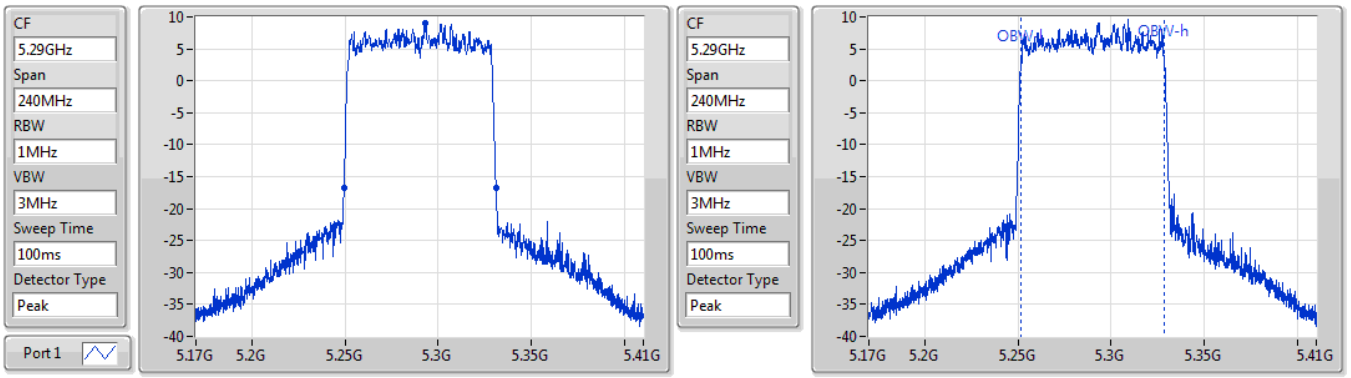


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.2899G	5.3301G	37.541M	5.291229G	5.328771G	Inf	1

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

5290MHz

17/10/2020



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.48M	5.24944G	5.33092G	76.882M	5.251619G	5.328501G	Inf	1

For non beamforming mode 2TX
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	27.24M	16.912M	16M9D1D	21.42M	16.852M
802.11ax HEW20_Nss1,(MCS0)_2TX	24.99M	19.19M	19M2D1D	21.45M	19.07M
802.11ax HEW40_Nss1,(MCS0)_2TX	59.4M	37.901M	37M9D1D	39.78M	37.541M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.36M	76.882M	76M9D1D	81.24M	76.882M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.81M	16.852M	27.24M	16.912M
5300MHz	Pass	Inf	21.51M	16.852M	23.43M	16.852M
5320MHz	Pass	Inf	21.42M	16.882M	22.86M	16.852M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	24.42M	19.1M	24.99M	19.19M
5300MHz	Pass	Inf	24.57M	19.13M	23.67M	19.16M
5320MHz	Pass	Inf	21.93M	19.07M	21.45M	19.1M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	59.4M	37.901M	58.5M	37.901M
5310MHz	Pass	Inf	40.26M	37.541M	39.78M	37.601M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.36M	76.882M	81.24M	76.882M

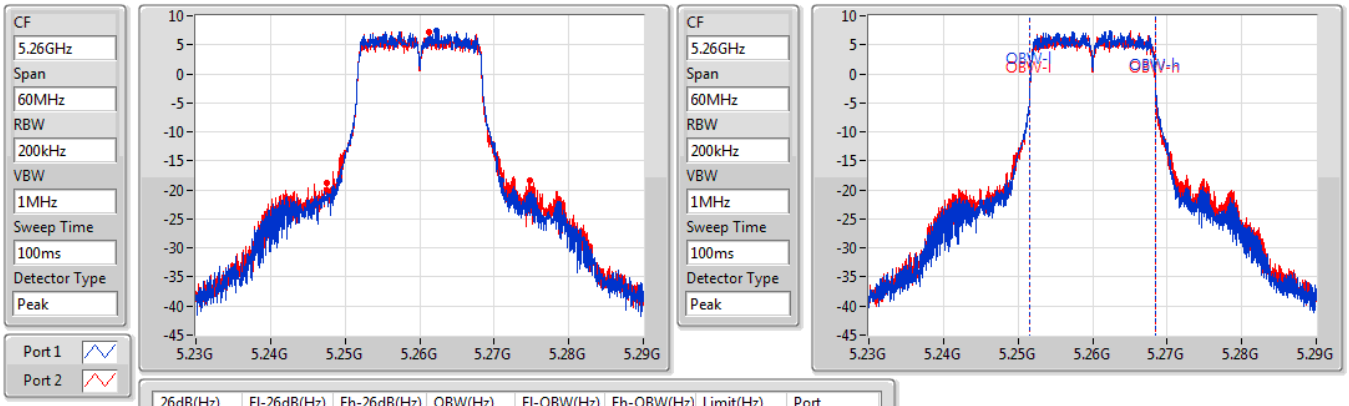
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

06/10/2020



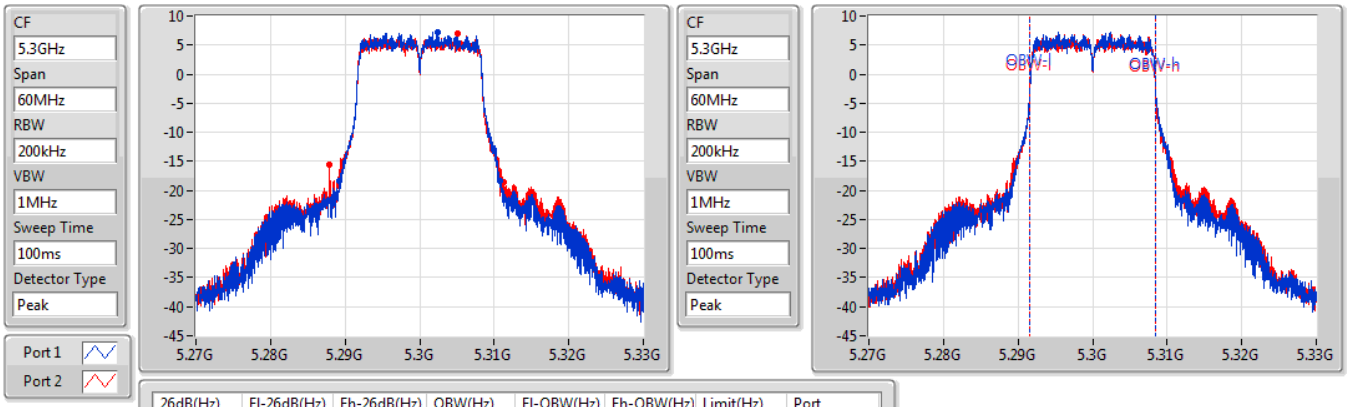
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.81M	5.24914G	5.27095G	16.852M	5.251634G	5.268486G	Inf	1
27.24M	5.24758G	5.27482G	16.912M	5.251574G	5.268486G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

06/10/2020



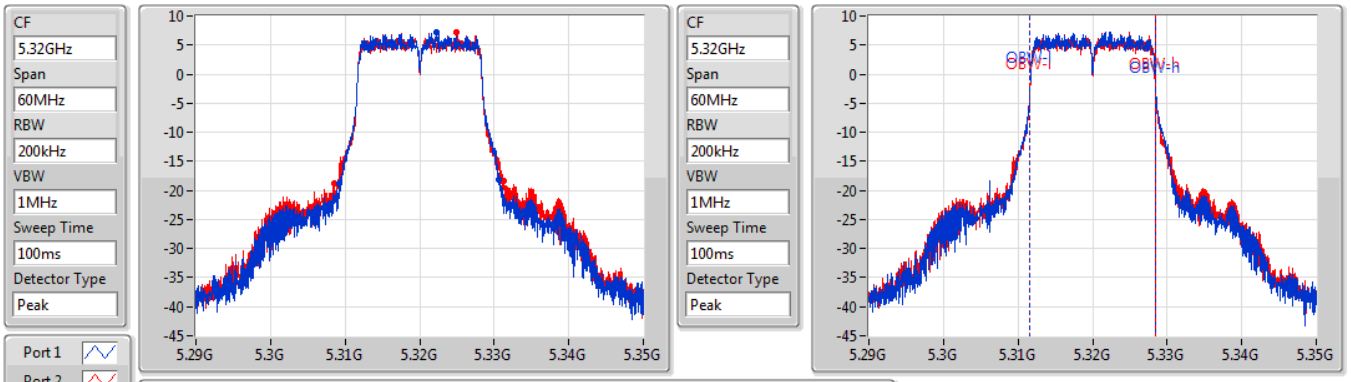
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.51M	5.28923G	5.31074G	16.852M	5.291634G	5.308486G	Inf	1
23.43M	5.28791G	5.31134G	16.852M	5.291604G	5.308456G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

06/10/2020



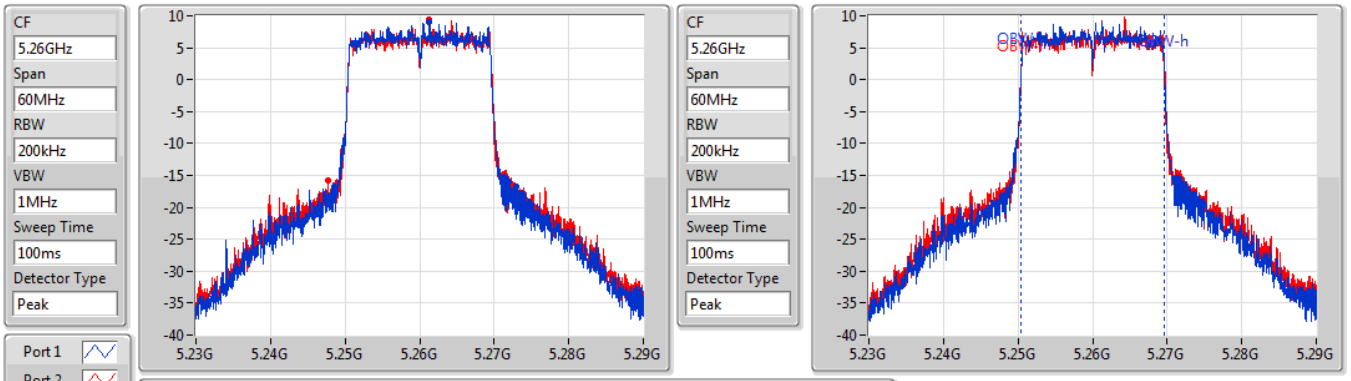
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.30926G	5.33068G	16.882M	5.311634G	5.328516G	Inf	1
22.86M	5.30848G	5.33134G	16.852M	5.311604G	5.328456G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5260MHz

06/10/2020



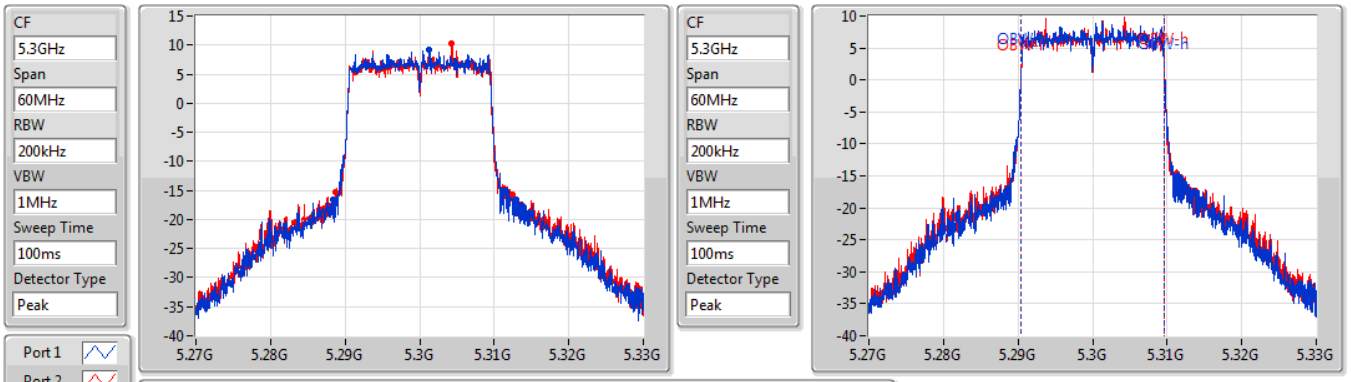
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.42M	5.24848G	5.2729G	19.1M	5.250465G	5.269565G	Inf	1
24.99M	5.24764G	5.27263G	19.19M	5.250465G	5.269655G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5300MHz

06/10/2020



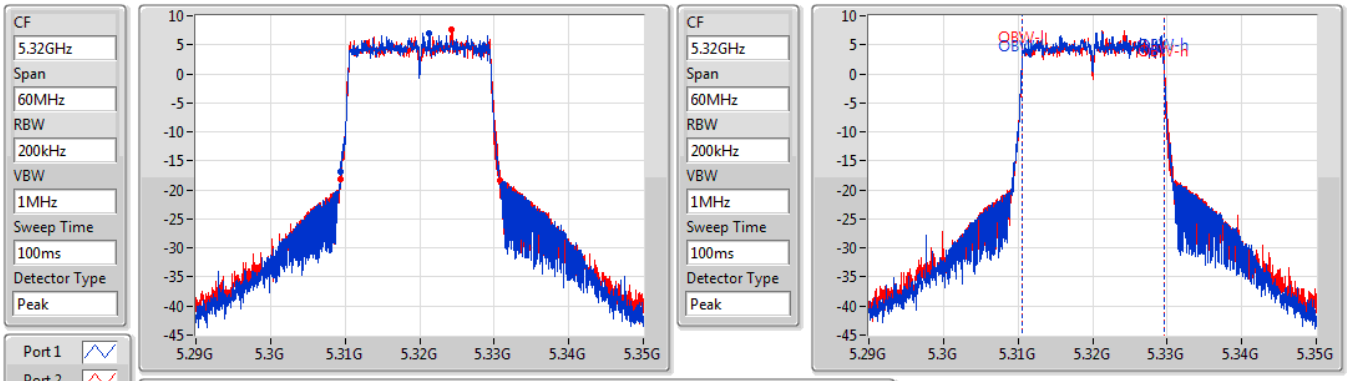
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.57M	5.28833G	5.3129G	19.13M	5.290465G	5.309595G	Inf	1
23.67M	5.28878G	5.31245G	19.16M	5.290465G	5.309625G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5320MHz

06/10/2020



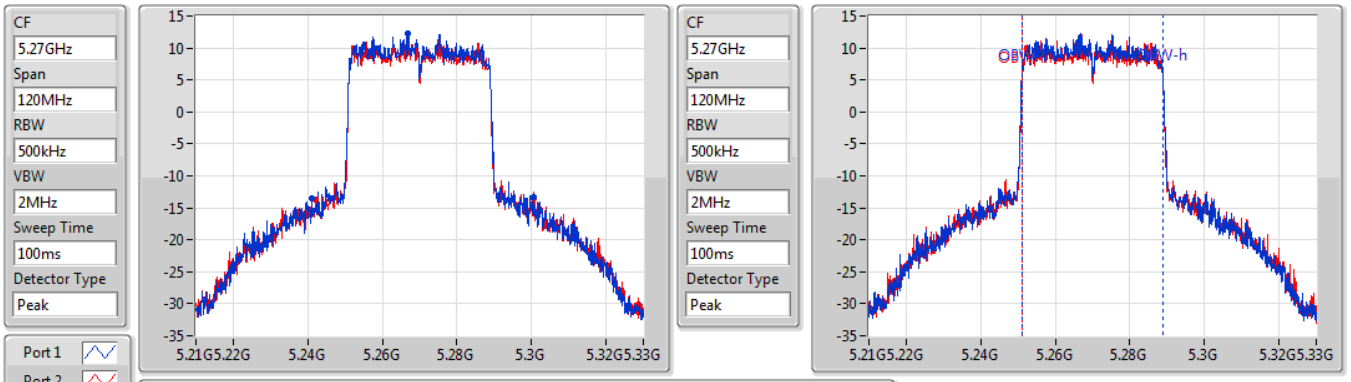
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.93M	5.30935G	5.33128G	19.07M	5.310495G	5.329565G	Inf	1
21.45M	5.30938G	5.33083G	19.1M	5.310525G	5.329625G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5270MHz

06/10/2020



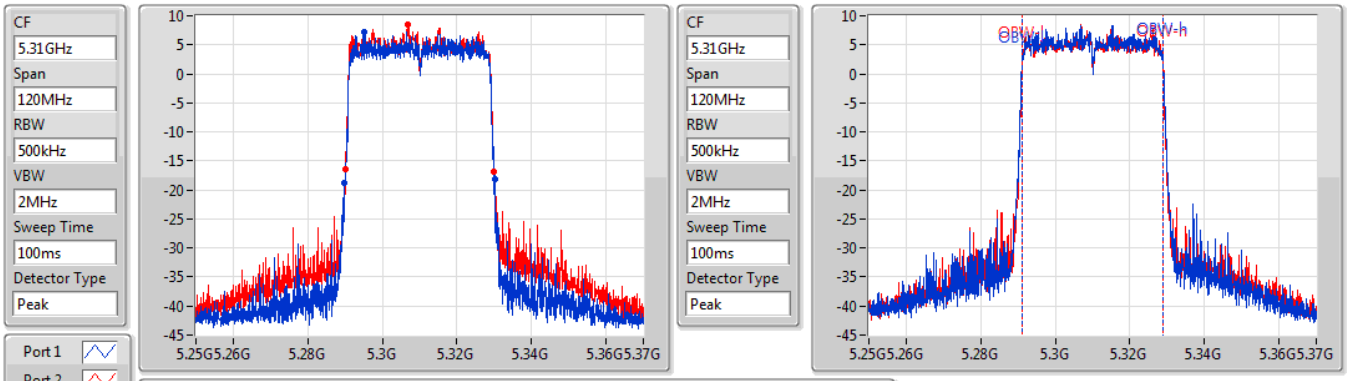
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
59.4M	5.2412G	5.3006G	37.901M	5.251049G	5.288951G	Inf	1
58.5M	5.24222G	5.30072G	37.901M	5.251049G	5.288951G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

06/10/2020

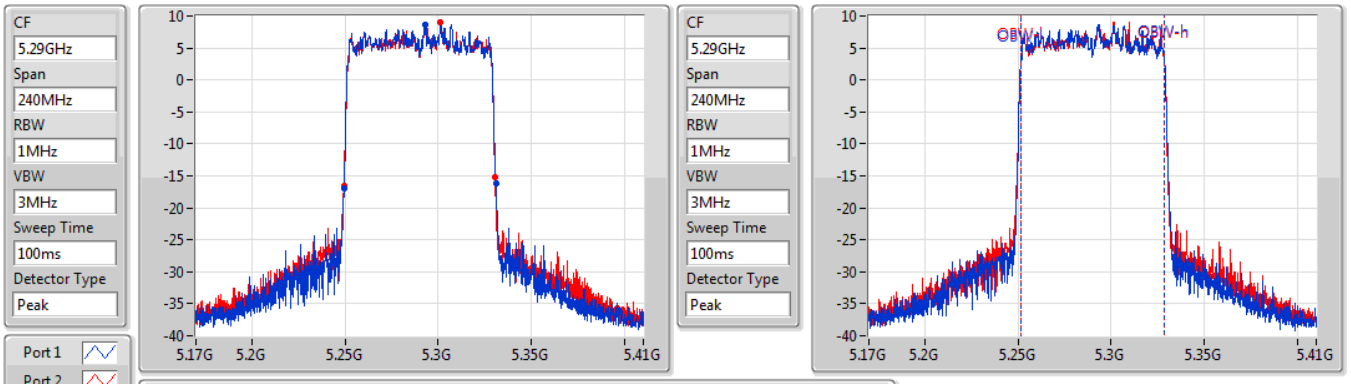


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.2899G	5.33016G	37.541M	5.291229G	5.328771G	Inf	1
39.78M	5.29014G	5.32992G	37.601M	5.291229G	5.328831G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

5290MHz

06/10/2020



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.24944G	5.3308G	76.882M	5.251619G	5.328501G	Inf	1
81.24M	5.24932G	5.33056G	76.882M	5.251619G	5.328501G	Inf	2

For beamforming mode 2TX
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.1M	19.13M	19M1D1D	22.47M	19.04M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.2M	37.601M	37M6D1D	39.96M	37.541M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	81.48M	76.882M	76M9D1D	81.24M	76.762M

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

Result

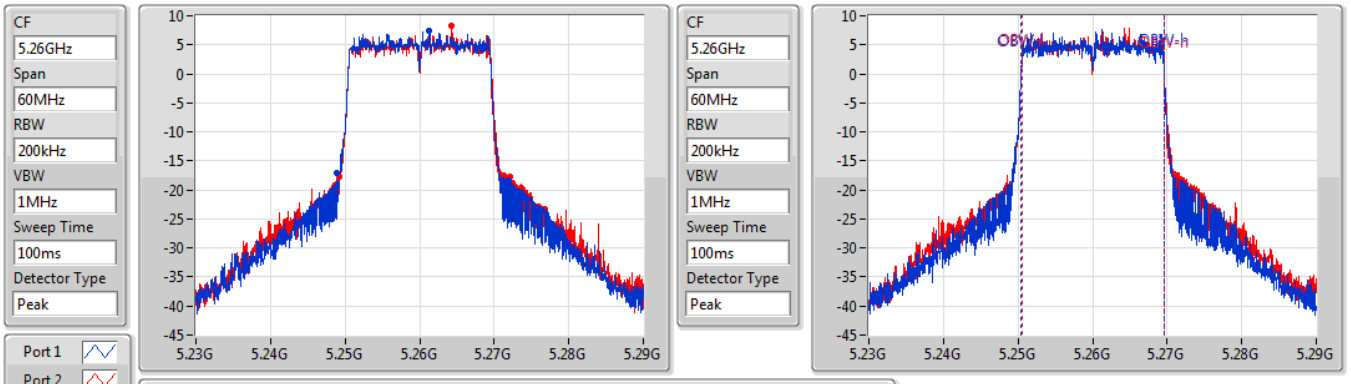
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	23.07M	19.07M	22.95M	19.1M
5300MHz	Pass	Inf	22.77M	19.07M	22.65M	19.13M
5320MHz	Pass	Inf	23.1M	19.04M	22.47M	19.1M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.2M	37.601M	40.08M	37.601M
5310MHz	Pass	Inf	40.08M	37.541M	39.96M	37.541M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.48M	76.882M	81.24M	76.762M

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

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

5260MHz

17/10/2020

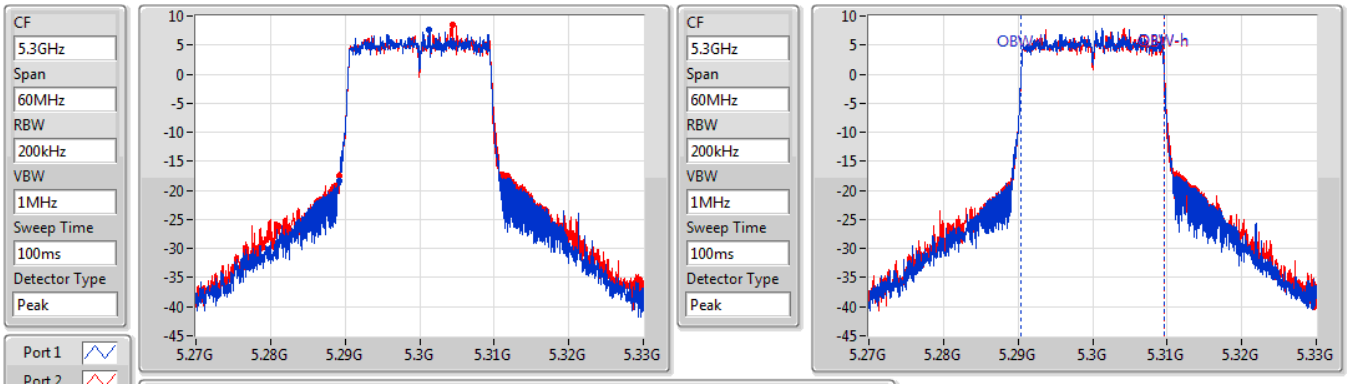


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.07M	5.2489G	5.27197G	19.07M	5.250465G	5.269535G	Inf	1
22.95M	5.2492G	5.27215G	19.1M	5.250495G	5.269595G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

5300MHz

17/10/2020



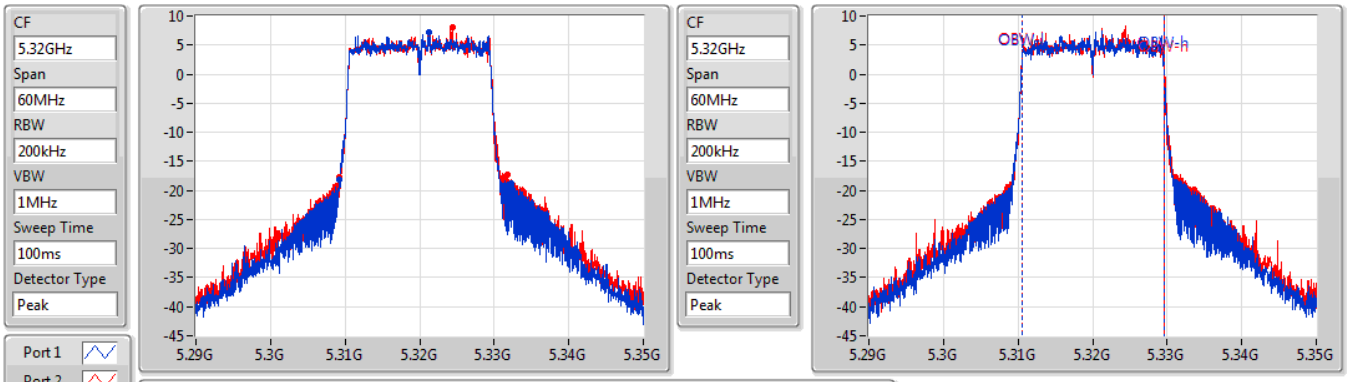
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.77M	5.28917G	5.31194G	19.07M	5.290465G	5.309535G	Inf	1
22.65M	5.28917G	5.31182G	19.13M	5.290465G	5.309595G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5320MHz

17/10/2020



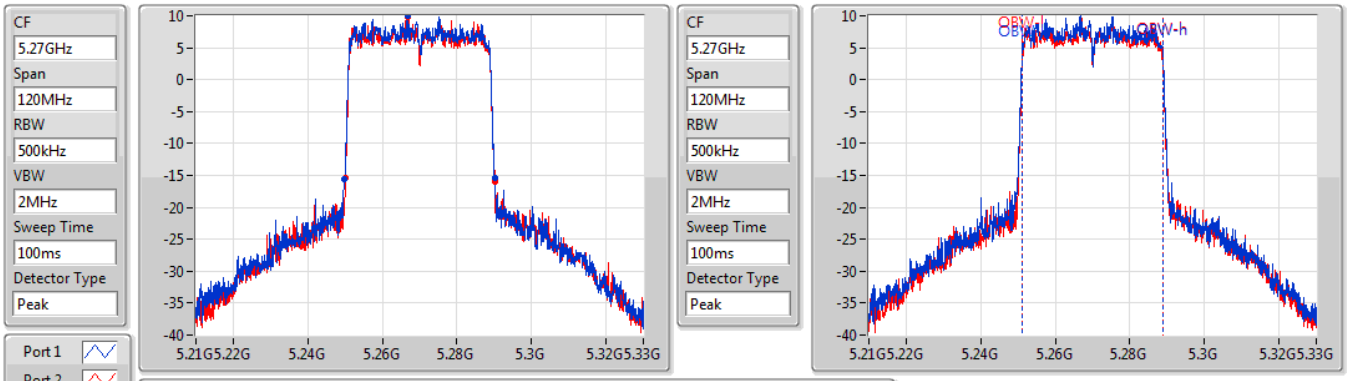
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.1M	5.30923G	5.33233G	19.04M	5.310495G	5.329535G	Inf	1
22.47M	5.30923G	5.3317G	19.1M	5.310495G	5.329595G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5270MHz

17/10/2020



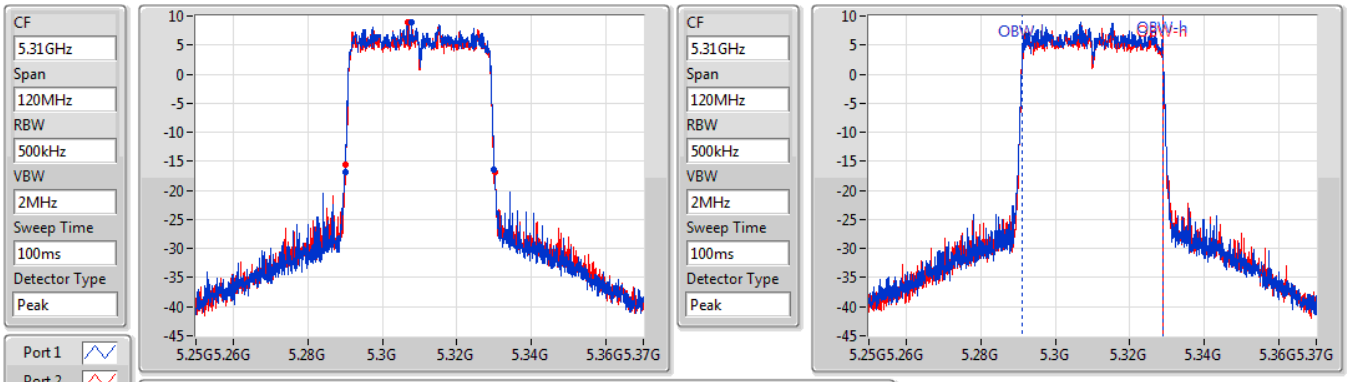
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.2499G	5.2901G	37.601M	5.251169G	5.288771G	Inf	1
40.08M	5.25014G	5.29022G	37.601M	5.251169G	5.288771G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5310MHz

17/10/2020



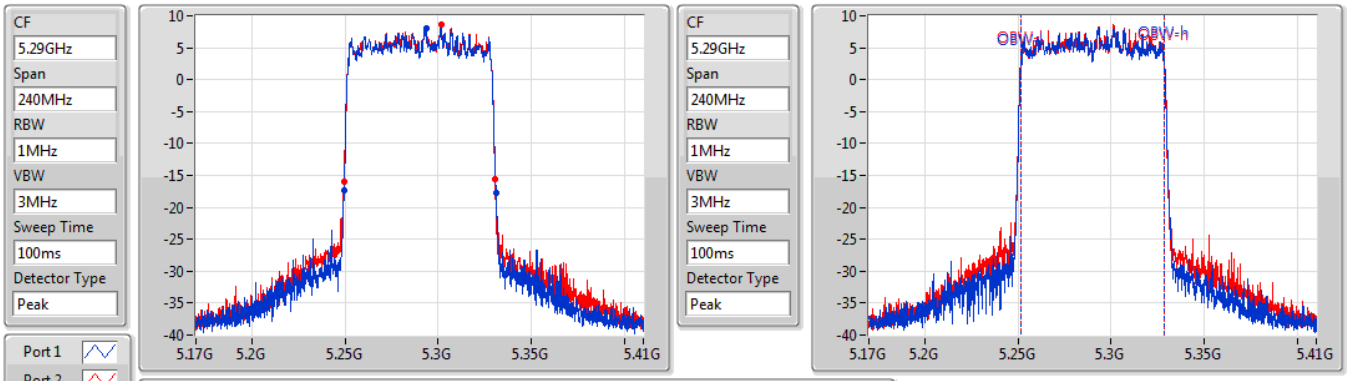
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.28996G	5.33004G	37.541M	5.291229G	5.328771G	Inf	1
39.96M	5.29014G	5.3301G	37.541M	5.291229G	5.328771G	Inf	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5290MHz

17/10/2020



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.48M	5.24944G	5.33092G	76.882M	5.251619G	5.328501G	Inf	1
81.24M	5.24932G	5.33056G	76.762M	5.251739G	5.328501G	Inf	2

For 5G Radio
For non beamforming mode 1TX
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	37.8M	19.4M	19M4D1D	29.67M	17.091M
802.11ax HEW20_Nss1,(MCS0)_1TX	42M	19.61M	19M6D1D	23.4M	19.07M
802.11ax HEW40_Nss1,(MCS0)_1TX	73.38M	38.141M	38M1D1D	40.2M	37.601M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.36M	76.882M	76M9D1D	81.36M	76.882M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	37.62M	19.43M	19M4D1D	21.24M	14.833M
802.11ax HEW20_Nss1,(MCS0)_1TX	40.98M	19.85M	19M8D1D	21.48M	14.78M
802.11ax HEW40_Nss1,(MCS0)_1TX	62.46M	37.961M	38M0D1D	40.08M	34.37M
802.11ax HEW80_Nss1,(MCS0)_1TX	108.345M	77.241M	77M2D1D	81.24M	73.821M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	3.21M	10.03M	10M0D1D	3.21M	10.03M
802.11ax HEW20_Nss1,(MCS0)_1TX	4.515M	9.355M	9M36D1D	4.515M	9.355M
802.11ax HEW40_Nss1,(MCS0)_1TX	3.87M	22.234M	22M2D1D	3.87M	22.234M
802.11ax HEW80_Nss1,(MCS0)_1TX	3.87M	26.537M	26M5D1D	3.87M	26.537M

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

Result

Mode	Result	Limit (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5260MHz	Pass	Inf	37.8M	18.891M
5300MHz	Pass	Inf	37.8M	19.4M
5320MHz	Pass	Inf	29.67M	17.091M
5500MHz	Pass	Inf	21.24M	16.762M
5580MHz	Pass	Inf	37.62M	19.43M
5700MHz	Pass	Inf	21.3M	16.762M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	23.765M	14.833M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.21M	10.03M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5260MHz	Pass	Inf	39.03M	19.58M
5300MHz	Pass	Inf	42M	19.61M
5320MHz	Pass	Inf	23.4M	19.07M
5500MHz	Pass	Inf	21.48M	19.04M
5580MHz	Pass	Inf	40.98M	19.85M
5700MHz	Pass	Inf	21.54M	19.01M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	25.288M	14.78M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.515M	9.355M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5270MHz	Pass	Inf	73.38M	38.141M
5310MHz	Pass	Inf	40.2M	37.601M
5510MHz	Pass	Inf	40.08M	37.541M
5550MHz	Pass	Inf	62.46M	37.961M
5670MHz	Pass	Inf	40.26M	37.601M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	51.563M	34.37M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.87M	22.234M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5290MHz	Pass	Inf	81.36M	76.882M
5530MHz	Pass	Inf	81.24M	76.882M
5610MHz	Pass	Inf	94.8M	77.241M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	108.345M	73.821M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.87M	26.537M

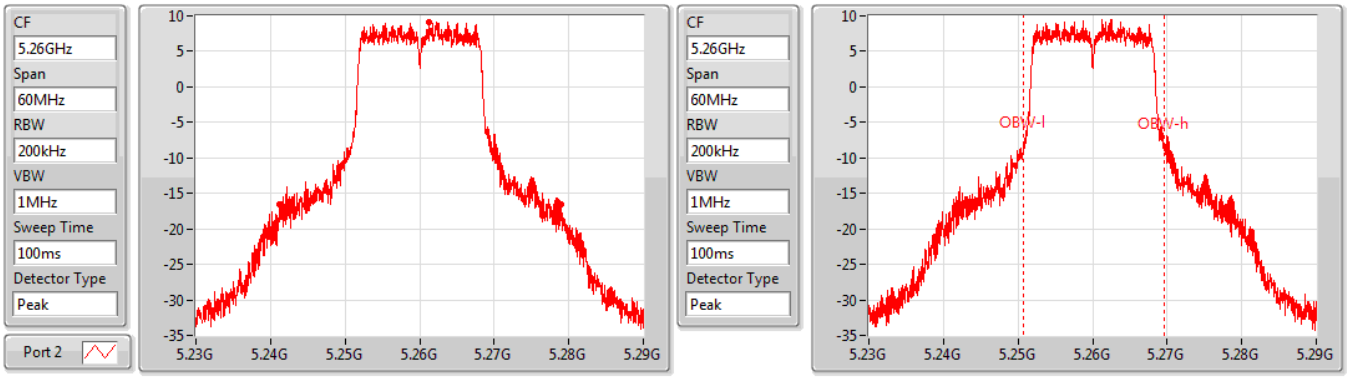
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX

EBW

5260MHz

07/10/2020



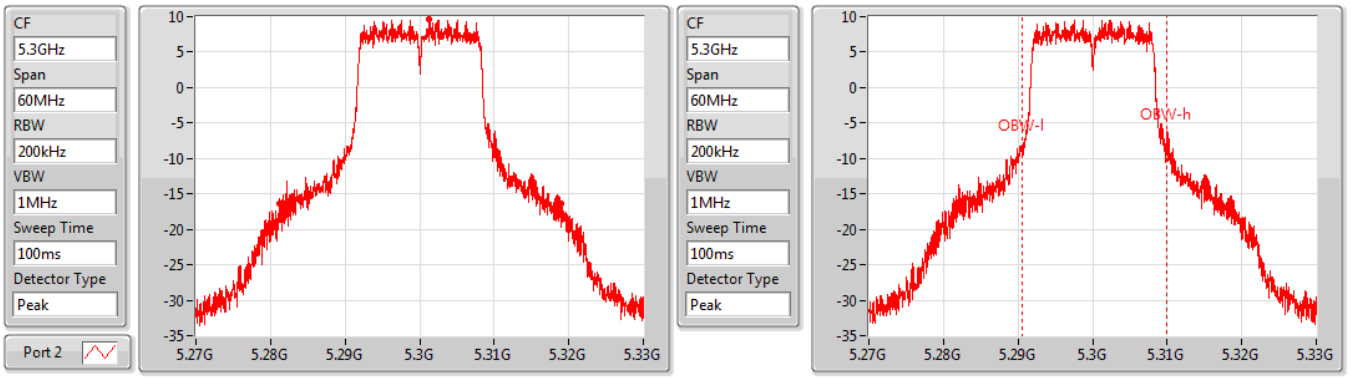
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.8M	5.24122G	5.27902G	18.891M	5.250765G	5.269655G	Inf	2

802.11a_Nss1,(6Mbps)_1TX

EBW

5300MHz

07/10/2020



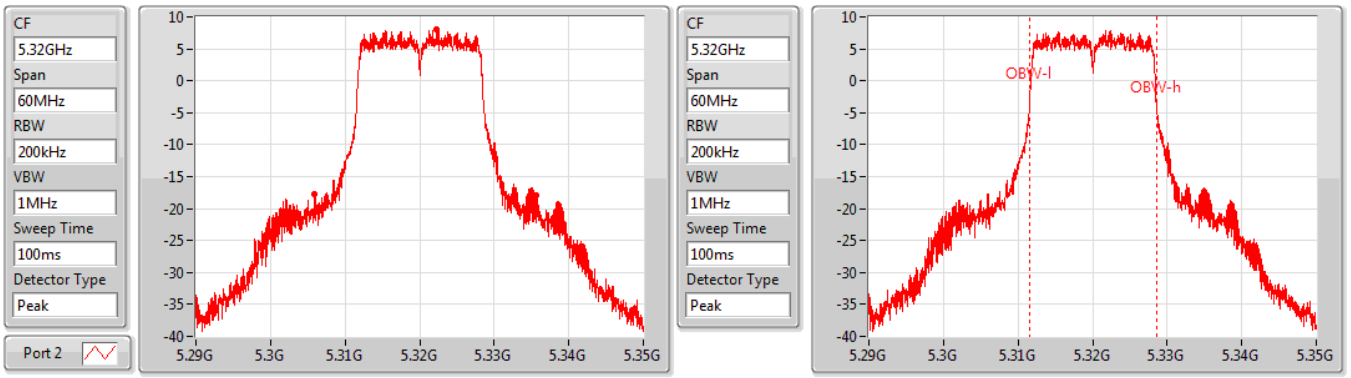
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.8M	5.28122G	5.31902G	19.4M	5.290525G	5.309925G	Inf	2

802.11a_Nss1,(6Mbps)_1TX

EBW

5320MHz

07/10/2020



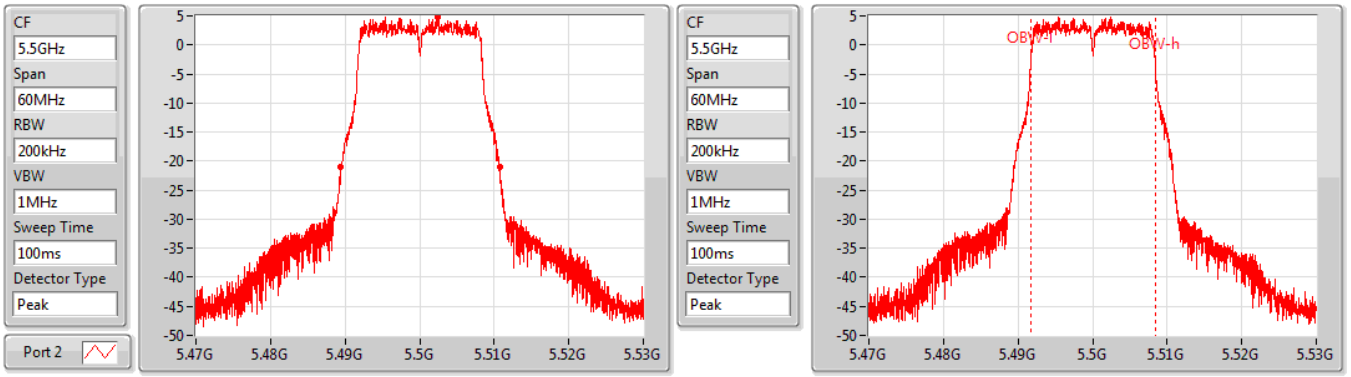
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.67M	5.30593G	5.3356G	17.091M	5.311574G	5.328666G	Inf	2

802.11a_Nss1,(6Mbps)_1TX

EBW

5500MHz

07/10/2020



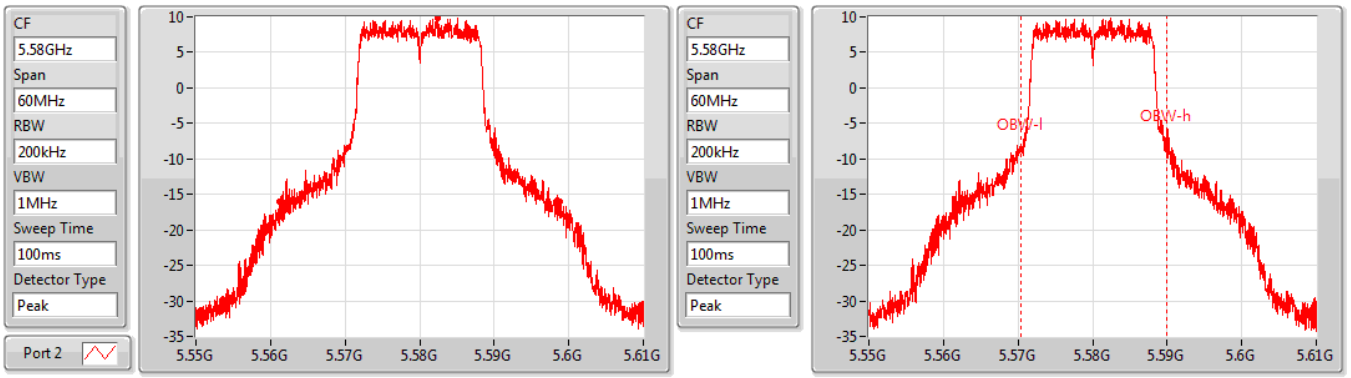
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.48947G	5.51071G	16.762M	5.491694G	5.508456G	Inf	2

802.11a_Nss1,(6Mbps)_1TX

EBW

5580MHz

07/10/2020



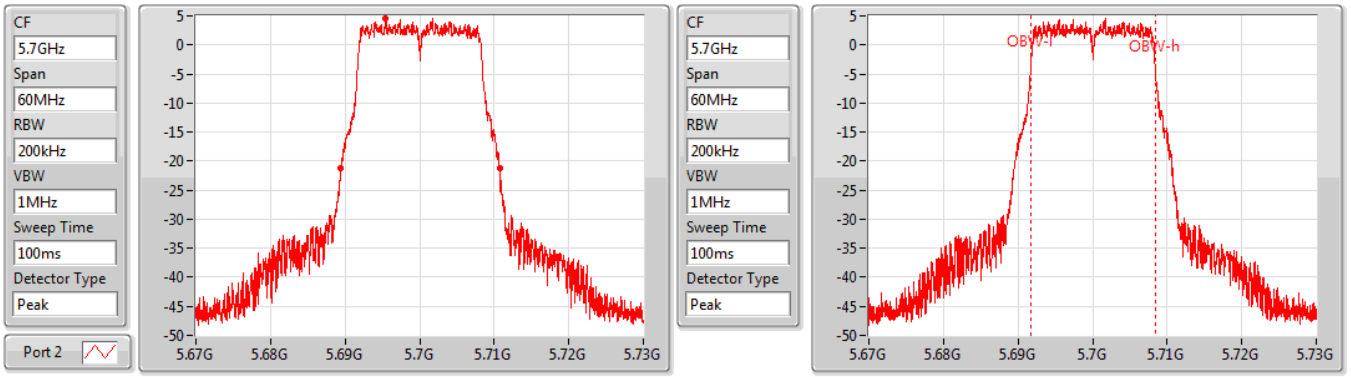
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.62M	5.56122G	5.59884G	19.43M	5.570465G	5.589895G	Inf	2

802.11a_Nss1,(6Mbps)_1TX

EBW

5700MHz

07/10/2020



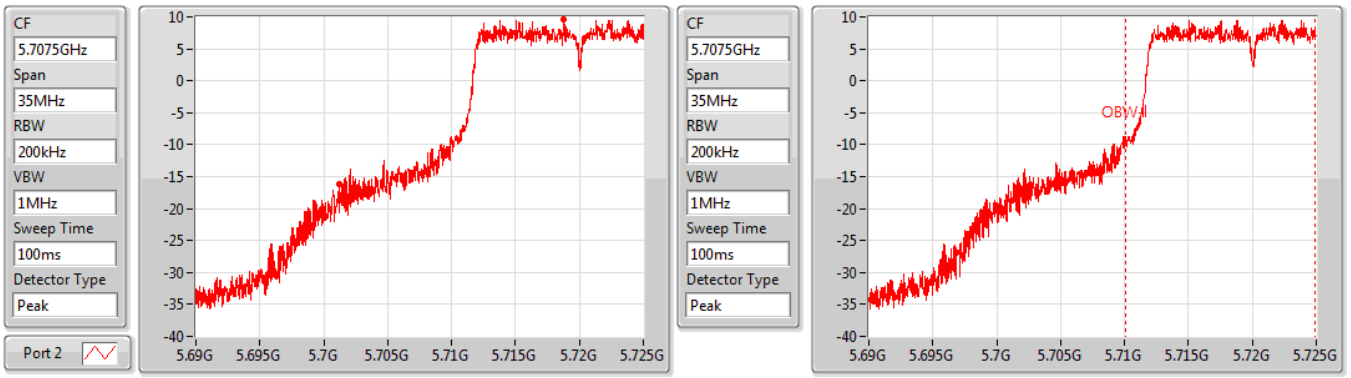
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.3M	5.68944G	5.71074G	16.762M	5.691694G	5.708456G	Inf	2

802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/10/2020



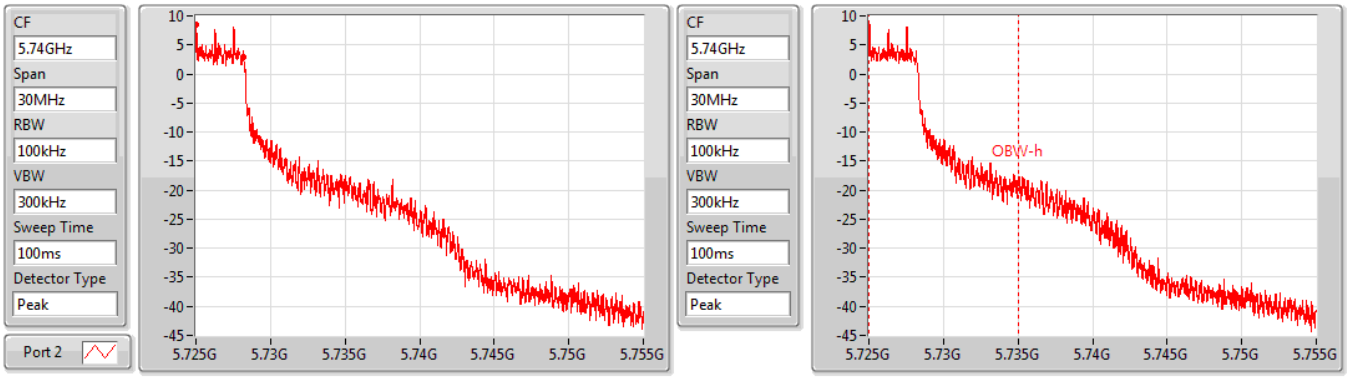
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.765M	5.701235G	5.725G	14.833M	5.710089G	5.724921G	Inf	2

802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/10/2020



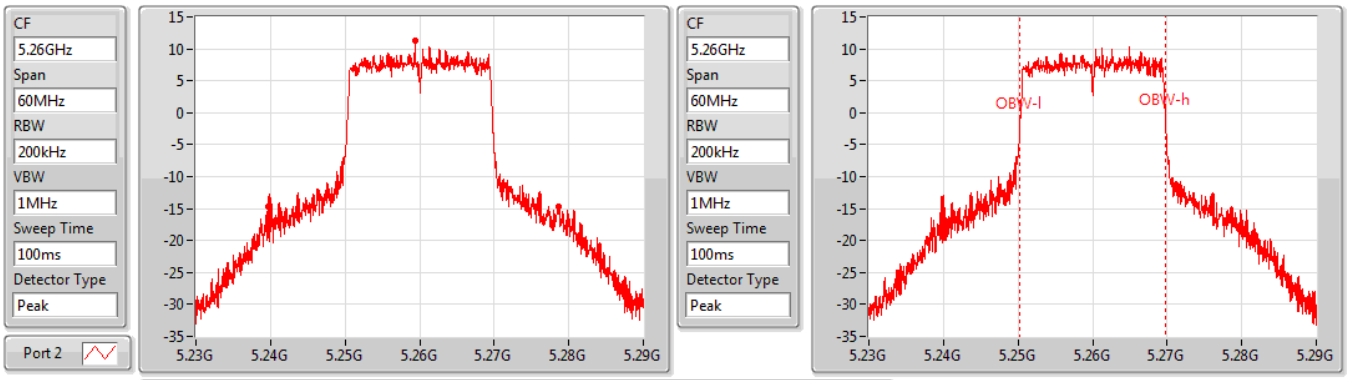
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.21M	5.725G	5.72821G	10.03M	5.725022G	5.735052G	500k	2

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5260MHz

07/10/2020



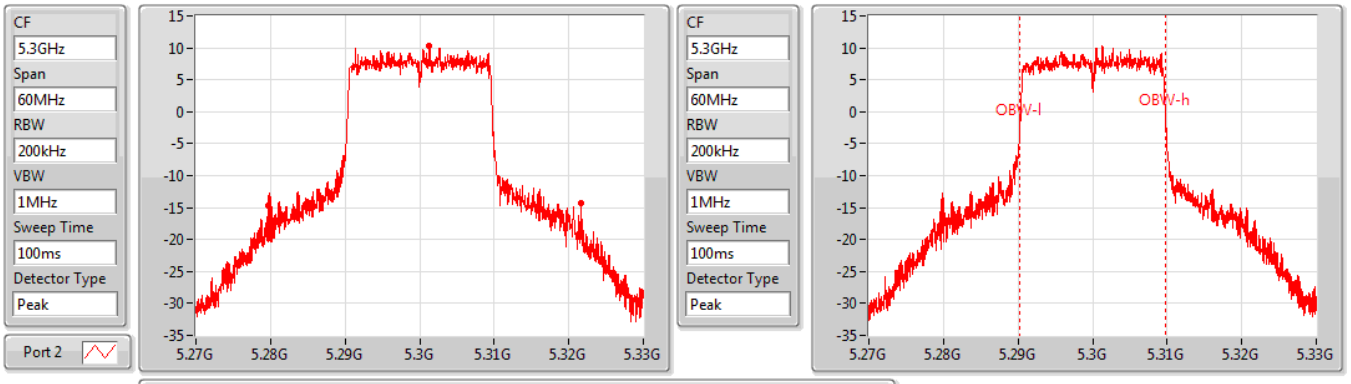
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.03M	5.23966G	5.27869G	19.58M	5.250225G	5.269805G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5300MHz

07/10/2020



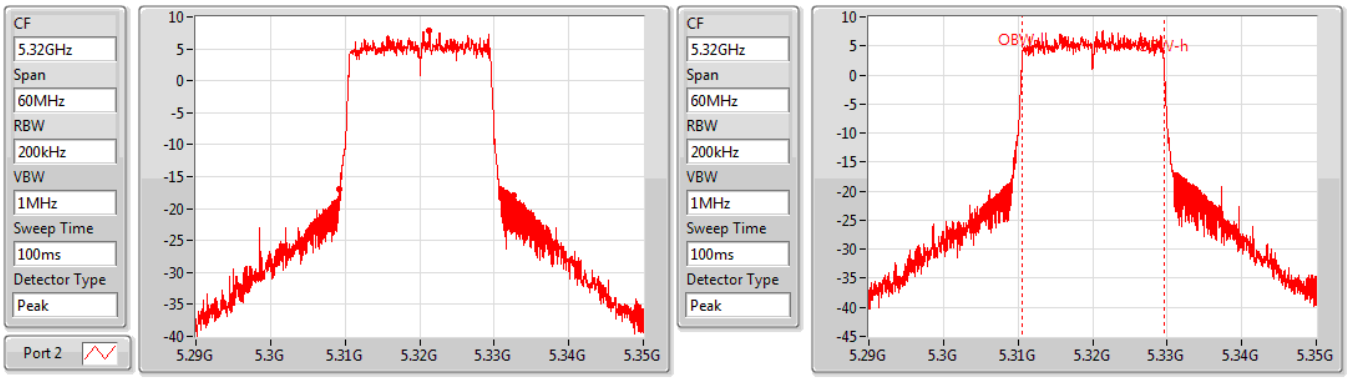
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42M	5.27966G	5.32166G	19.61M	5.290225G	5.309835G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5320MHz

07/10/2020



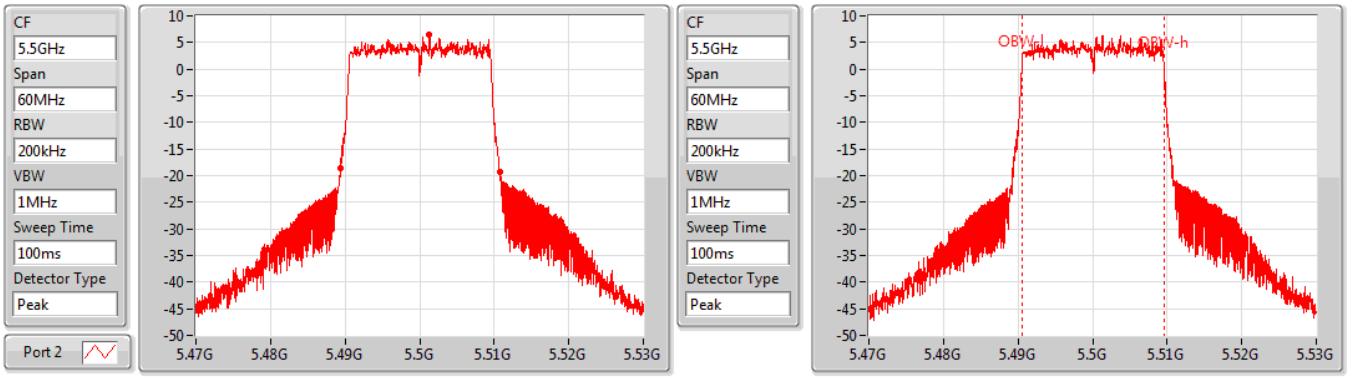
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.4M	5.30926G	5.33266G	19.07M	5.310525G	5.329595G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5500MHz

07/10/2020



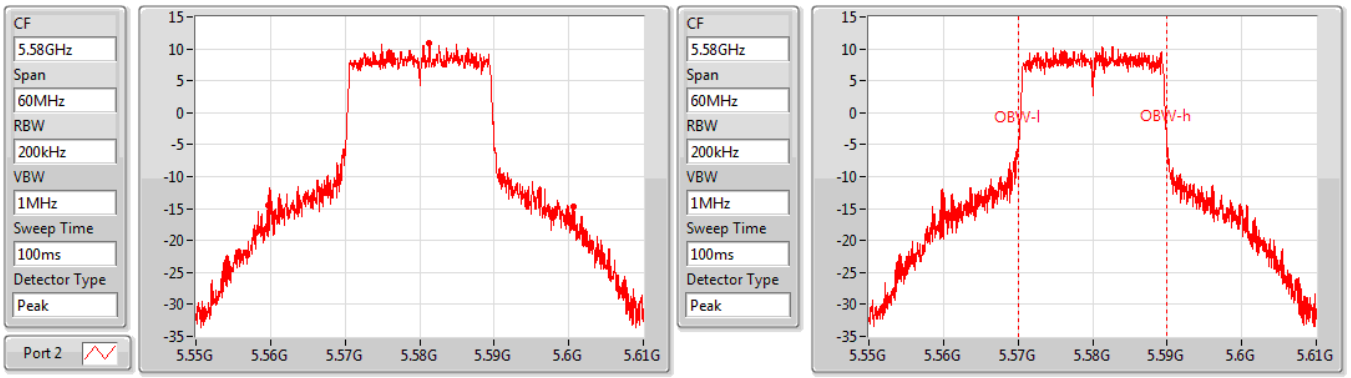
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.48932G	5.5108G	19.04M	5.490525G	5.509565G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5580MHz

07/10/2020



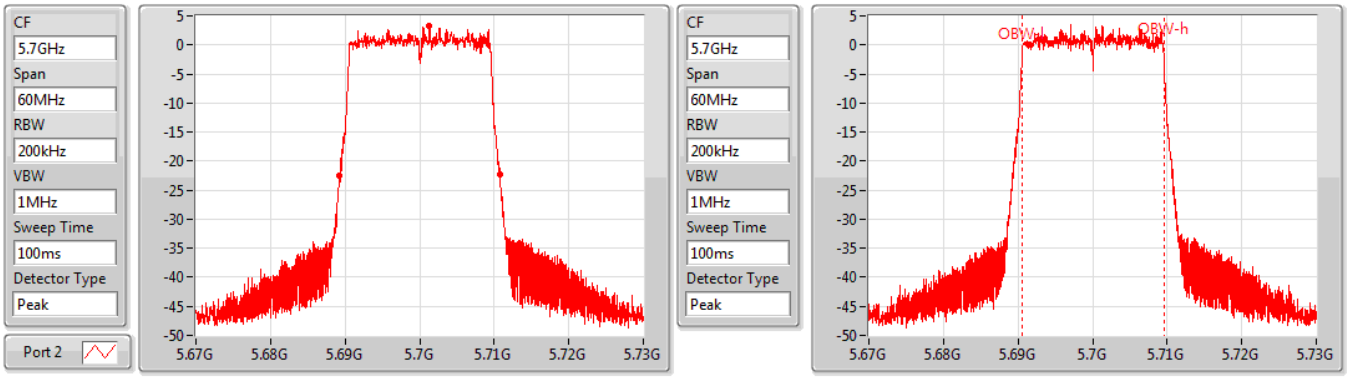
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.98M	5.55963G	5.60061G	19.85M	5.570045G	5.589895G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5700MHz

07/10/2020



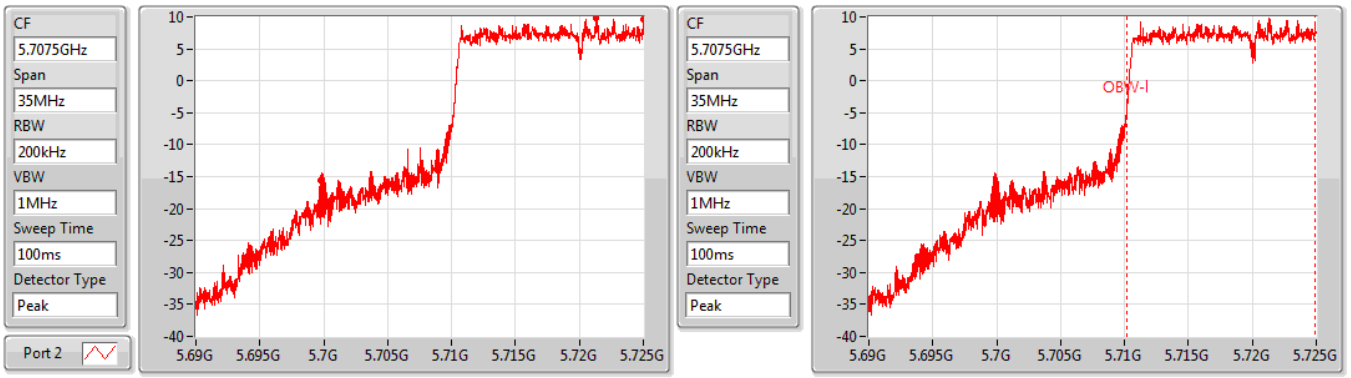
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.54M	5.68926G	5.7108G	19.01M	5.690525G	5.709535G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/10/2020



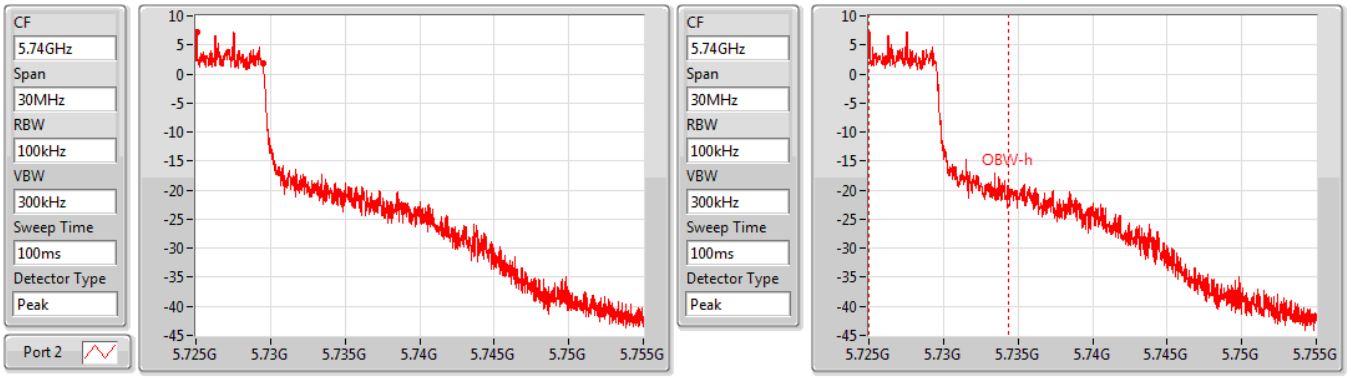
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.288M	5.699713G	5.725G	14.78M	5.710159G	5.724939G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/10/2020



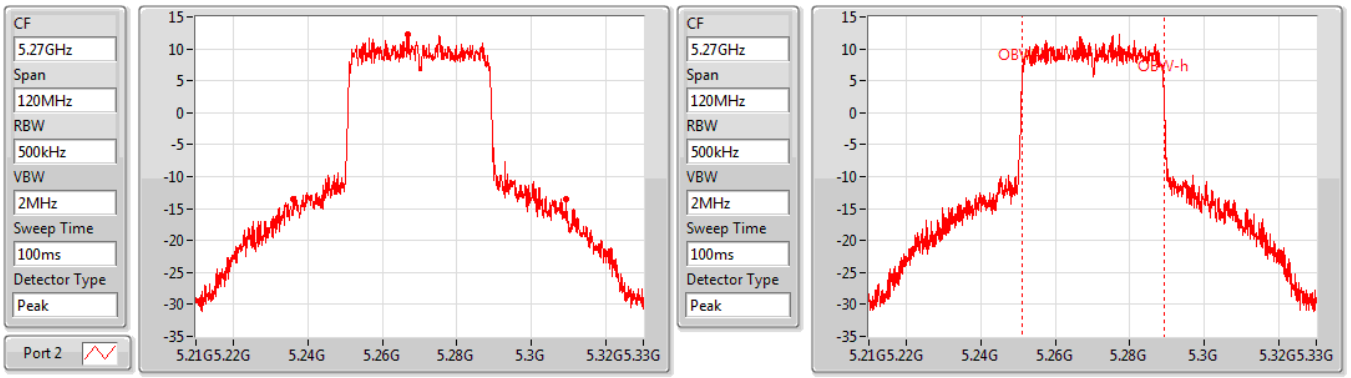
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.515M	5.725G	5.729515G	9.355M	5.725007G	5.734363G	500k	2

802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5270MHz

07/10/2020



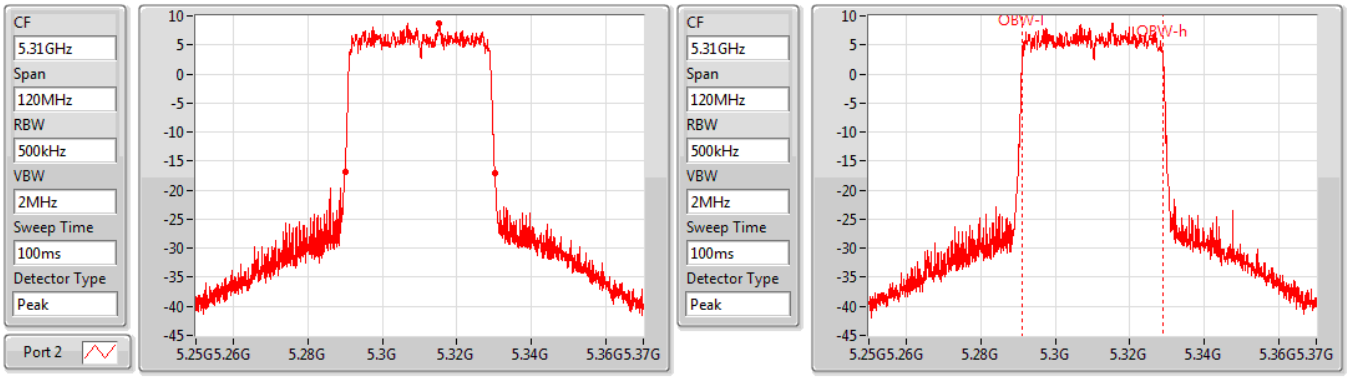
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.38M	5.23604G	5.30942G	38.141M	5.25099G	5.28913G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5310MHz

07/10/2020



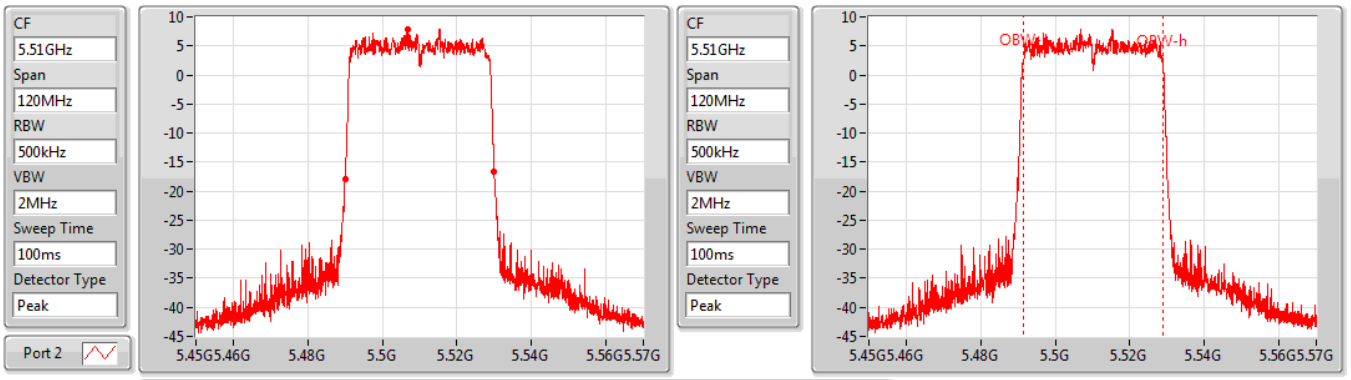
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.28996G	5.33016G	37.601M	5.291229G	5.328831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5510MHz

07/10/2020



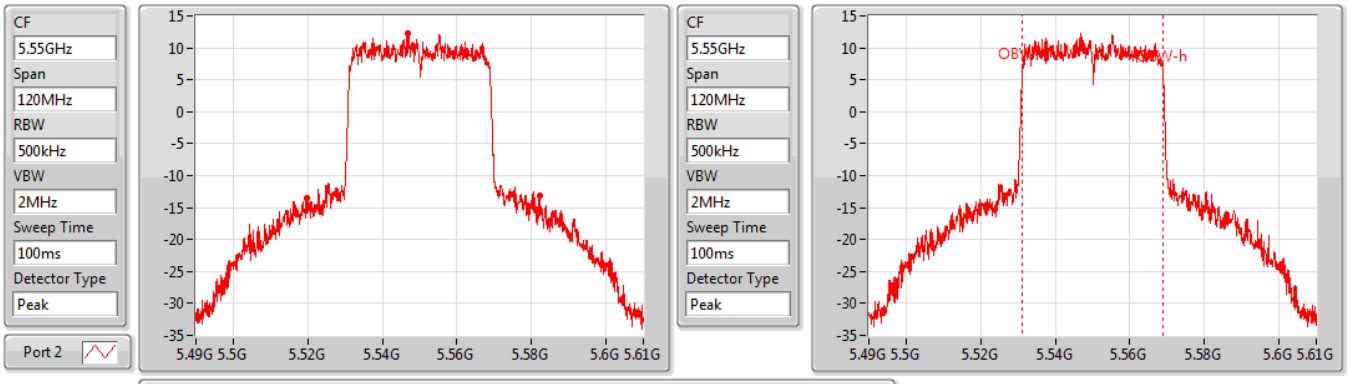
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.48996G	5.53004G	37.541M	5.491289G	5.528831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5550MHz

07/10/2020



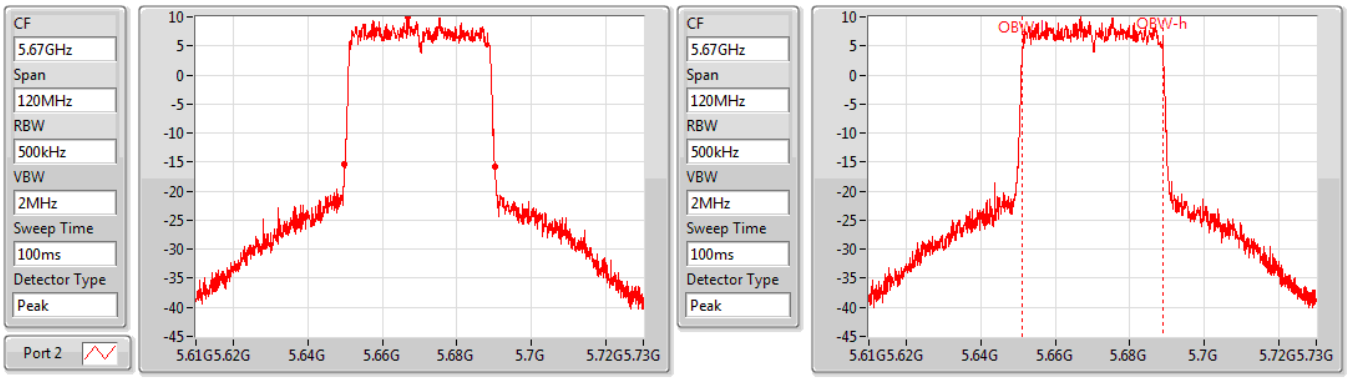
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
62.46M	5.5197G	5.58216G	37.961M	5.531049G	5.56901G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5670MHz

07/10/2020



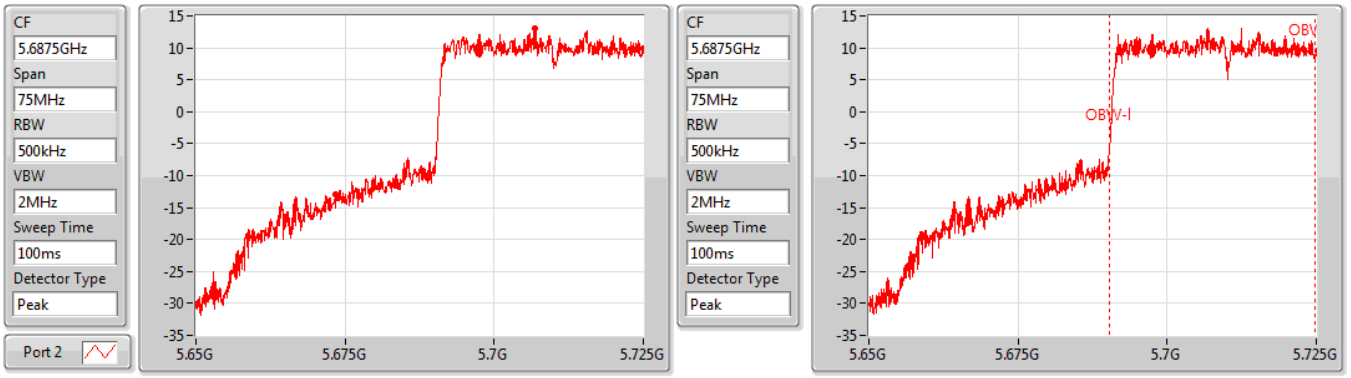
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.6499G	5.69016G	37.601M	5.651229G	5.688831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

07/10/2020



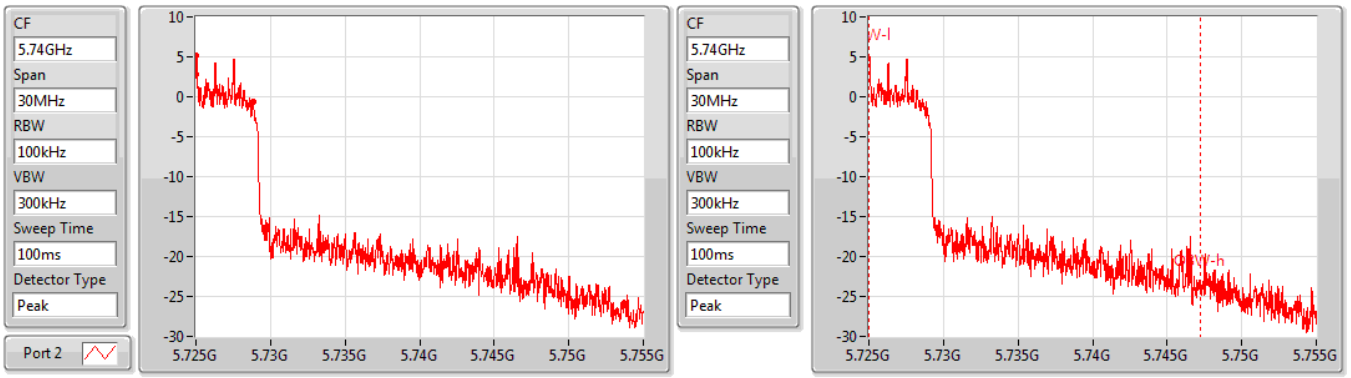
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
51.563M	5.673438G	5.725G	34.37M	5.690424G	5.724794G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

07/10/2020



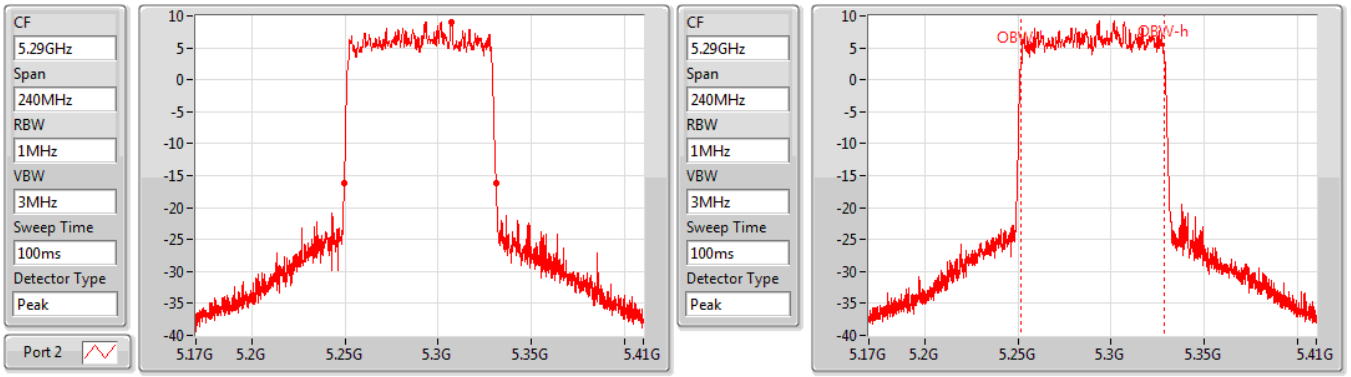
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.87M	5.725G	5.72887G	22.234M	5.725007G	5.747241G	500k	2

802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5290MHz

07/10/2020



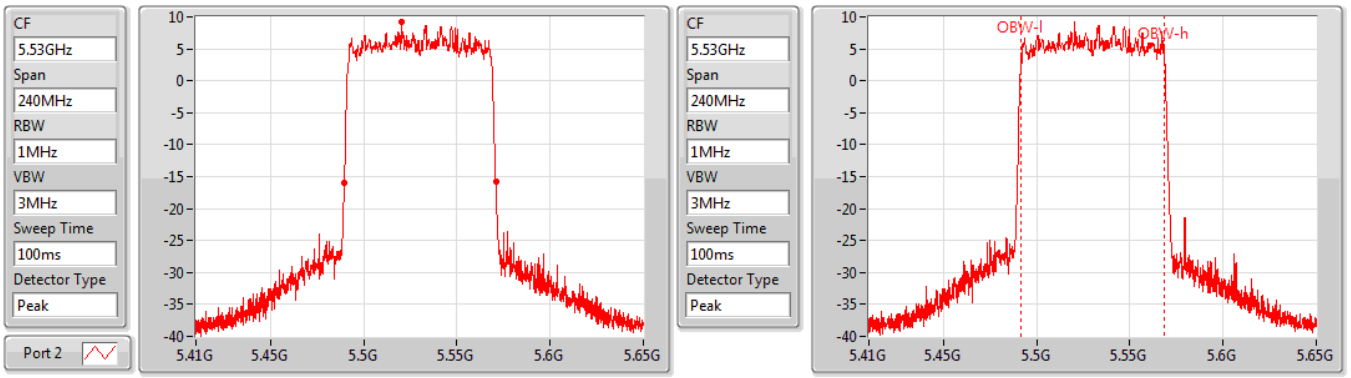
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.24956G	5.33092G	76.882M	5.251739G	5.328621G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5530MHz

07/10/2020



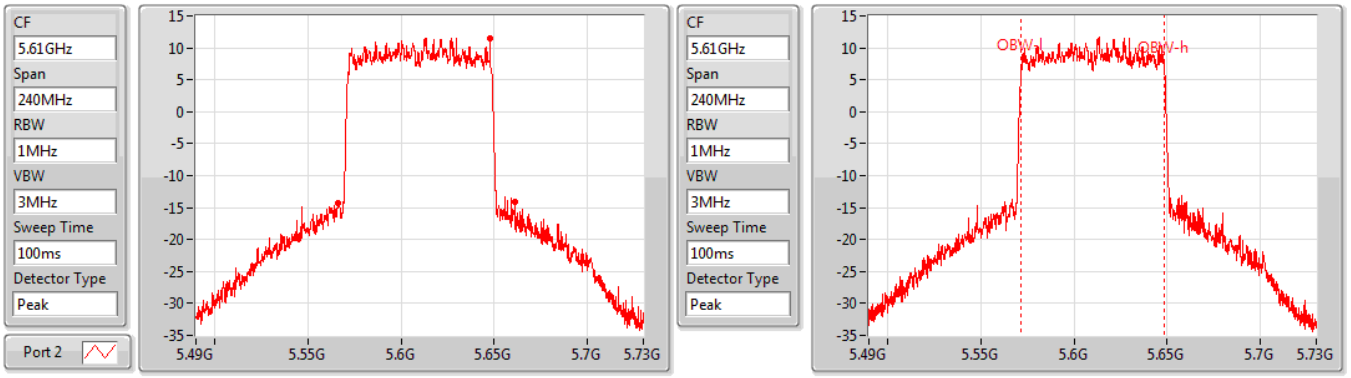
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.24M	5.48956G	5.5708G	76.882M	5.491619G	5.568501G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5610MHz

07/10/2020



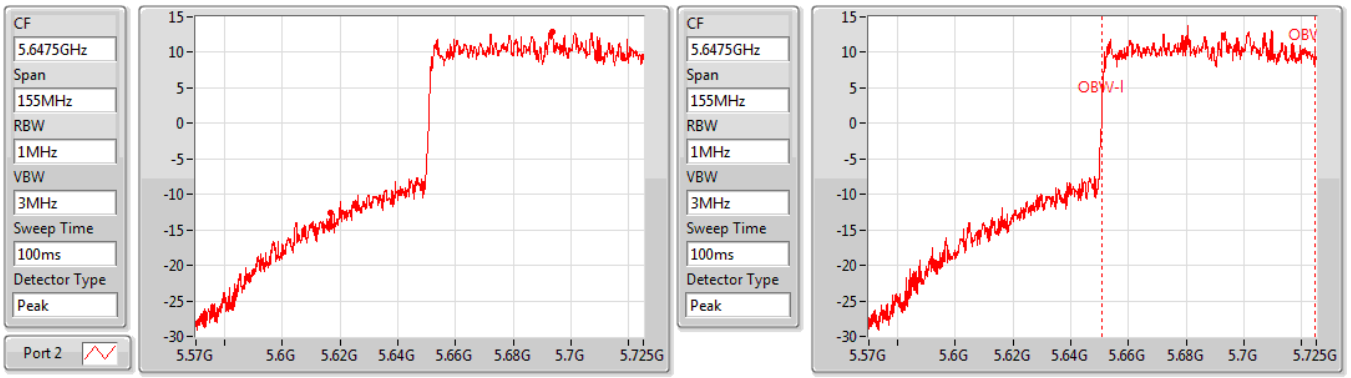
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
94.8M	5.56632G	5.66112G	77.241M	5.571499G	5.648741G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

07/10/2020



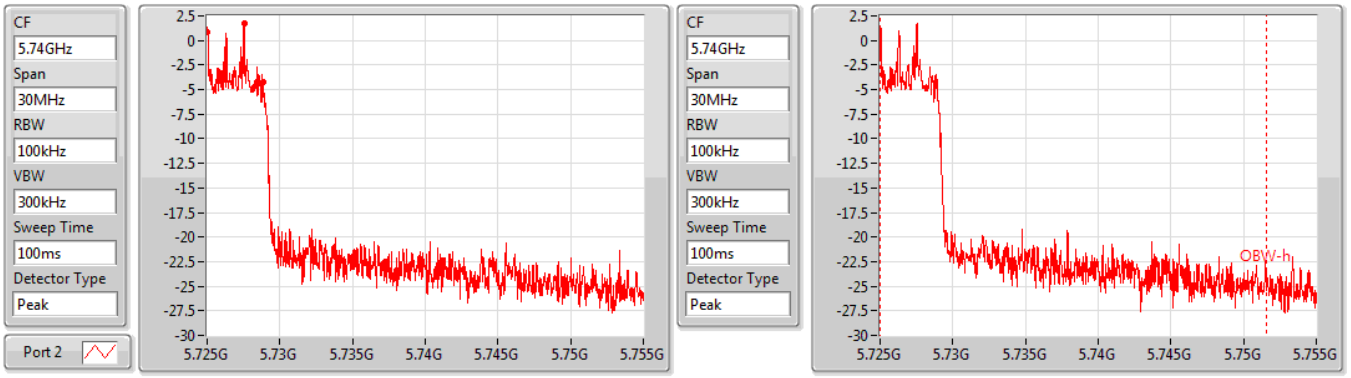
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
108.345M	5.616655G	5.725G	73.821M	5.650676G	5.724497G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

07/10/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.87M	5.725G	5.72887G	26.537M	5.725007G	5.751544G	500k	2

For non beamforming mode 2TX
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.23M	16.792M	16M8D1D	21.27M	16.702M
802.11ax HEW20_Nss1,(MCS0)_2TX	23.49M	19.1M	19M1D1D	21.45M	19.01M
802.11ax HEW40_Nss1,(MCS0)_2TX	61.92M	37.841M	37M8D1D	39.84M	37.541M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.48M	76.762M	76M8D1D	81M	76.762M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.02M	16.792M	16M8D1D	15.558M	13.293M
802.11ax HEW20_Nss1,(MCS0)_2TX	22.5M	19.1M	19M1D1D	15.68M	14.483M
802.11ax HEW40_Nss1,(MCS0)_2TX	52.988M	37.781M	37M8D1D	39.9M	33.846M
802.11ax HEW80_Nss1,(MCS0)_2TX	100.905M	77.001M	77M0D1D	81.24M	73.201M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.21M	4.453M	4M45D1D	3.195M	4.408M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.53M	4.993M	4M99D1D	4.515M	4.858M
802.11ax HEW40_Nss1,(MCS0)_2TX	3.87M	21.589M	21M6D1D	3.84M	21.379M
802.11ax HEW80_Nss1,(MCS0)_2TX	3.84M	24.783M	24M8D1D	3.78M	24.483M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.27M	16.792M	22.23M	16.732M
5300MHz	Pass	Inf	21.27M	16.792M	22.2M	16.762M
5320MHz	Pass	Inf	21.3M	16.792M	22.08M	16.702M
5500MHz	Pass	Inf	21.21M	16.762M	21.45M	16.672M
5580MHz	Pass	Inf	21.27M	16.792M	22.02M	16.702M
5700MHz	Pass	Inf	21.21M	16.762M	21.48M	16.672M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.558M	13.293M	15.925M	13.346M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.21M	4.408M	3.195M	4.453M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	23.49M	19.07M	23.13M	19.1M
5300MHz	Pass	Inf	23.1M	19.07M	23.34M	19.1M
5320MHz	Pass	Inf	21.51M	19.01M	21.45M	19.1M
5500MHz	Pass	Inf	21.48M	19.04M	21.39M	19.1M
5580MHz	Pass	Inf	22.5M	19.04M	21.63M	19.1M
5700MHz	Pass	Inf	21.45M	19.01M	21.51M	19.04M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.768M	14.483M	15.68M	14.5M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.515M	4.858M	4.53M	4.993M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	51.24M	37.781M	61.92M	37.841M
5310MHz	Pass	Inf	40.2M	37.541M	39.84M	37.601M
5510MHz	Pass	Inf	40.14M	37.481M	39.9M	37.541M
5550MHz	Pass	Inf	52.14M	37.721M	45.06M	37.781M
5670MHz	Pass	Inf	40.2M	37.541M	39.9M	37.541M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	48.9M	33.846M	52.988M	33.996M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.87M	21.379M	3.84M	21.589M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.48M	76.762M	81M	76.762M
5530MHz	Pass	Inf	81.24M	76.762M	81.36M	76.762M
5610MHz	Pass	Inf	81.48M	77.001M	81.48M	77.001M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	88.893M	73.201M	100.905M	73.356M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.84M	24.783M	3.78M	24.483M

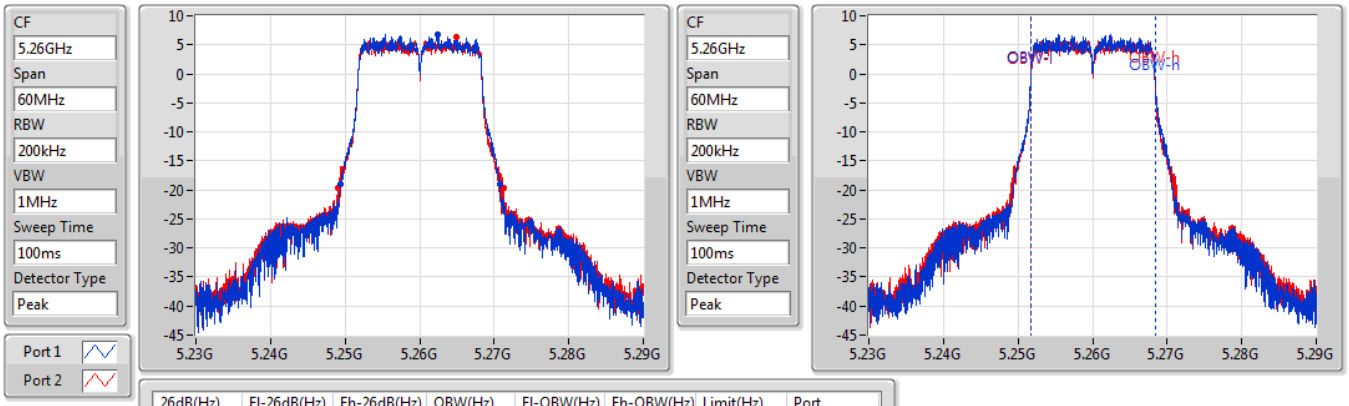
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

07/10/2020



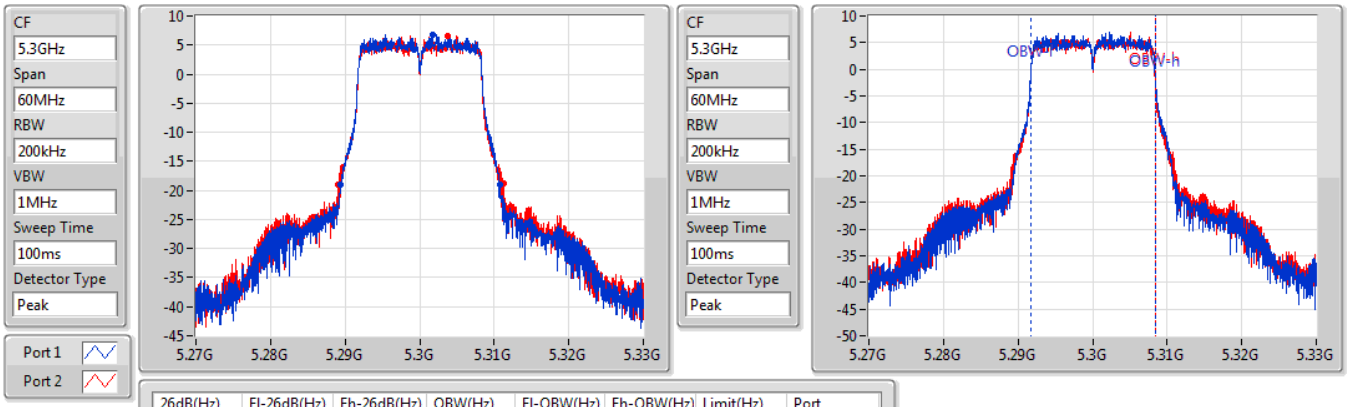
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.24944G	5.27071G	16.792M	5.251694G	5.268486G	Inf	1
22.23M	5.24905G	5.27128G	16.732M	5.251664G	5.268396G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

07/10/2020



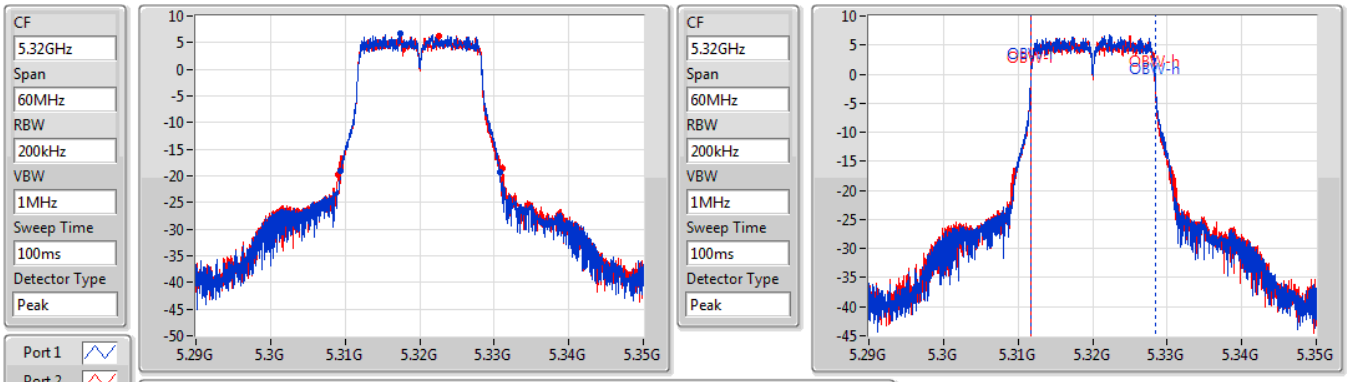
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.28944G	5.31071G	16.792M	5.291694G	5.308486G	Inf	1
22.2M	5.28908G	5.31128G	16.762M	5.291664G	5.308426G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

07/10/2020



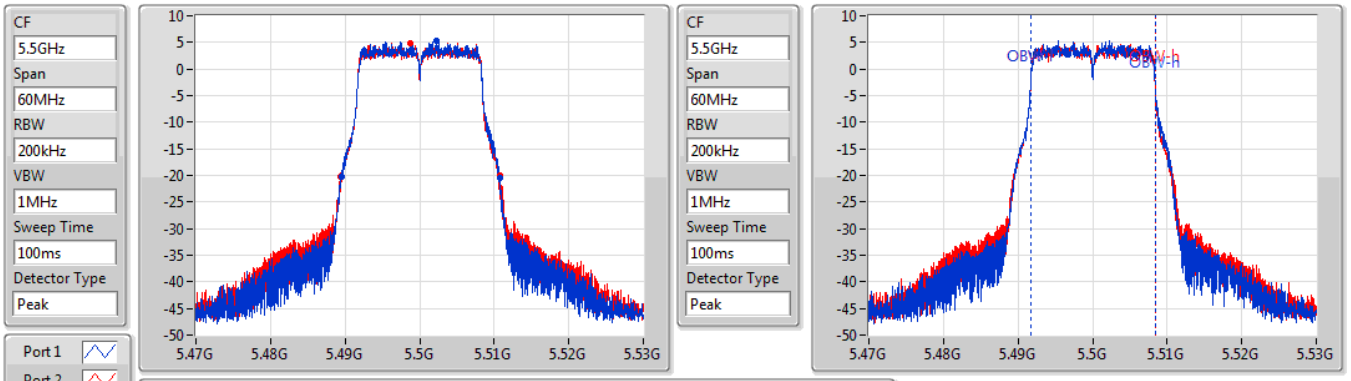
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.3M	5.30944G	5.33074G	16.792M	5.311694G	5.328486G	Inf	1
22.08M	5.30905G	5.33113G	16.702M	5.311694G	5.328396G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

07/10/2020



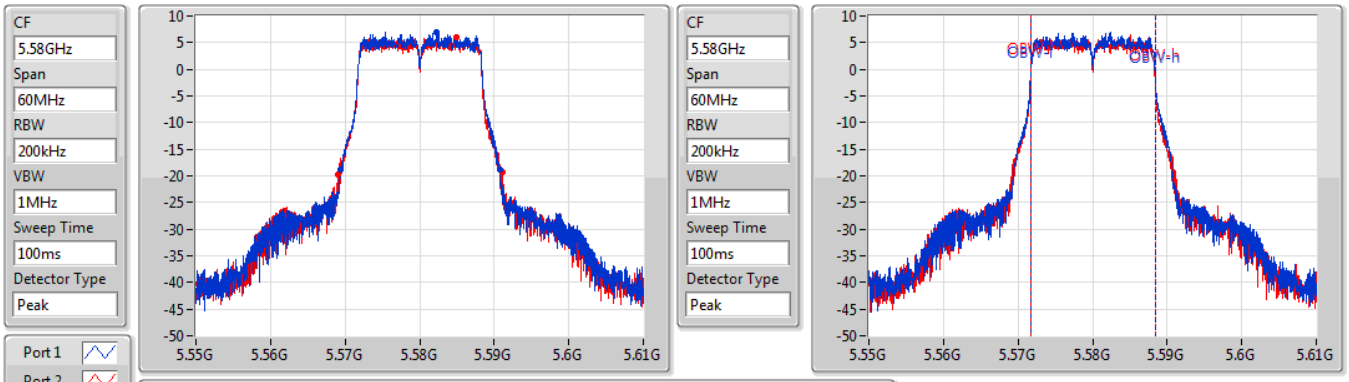
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.4895G	5.51071G	16.762M	5.491694G	5.508456G	Inf	1
21.45M	5.48935G	5.5108G	16.672M	5.491694G	5.508366G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

07/10/2020



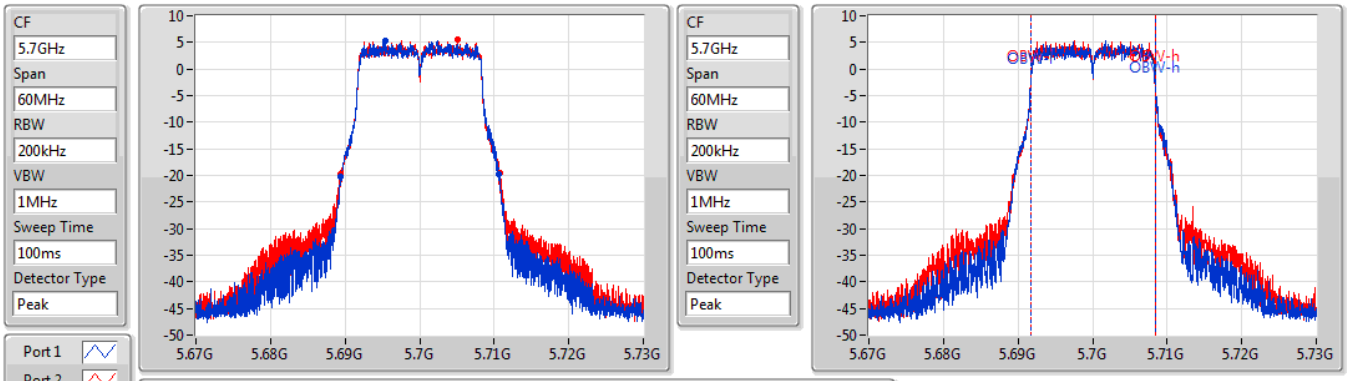
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.56944G	5.59071G	16.792M	5.571694G	5.588486G	Inf	1
22.02M	5.56905G	5.59107G	16.702M	5.571694G	5.588396G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

07/10/2020



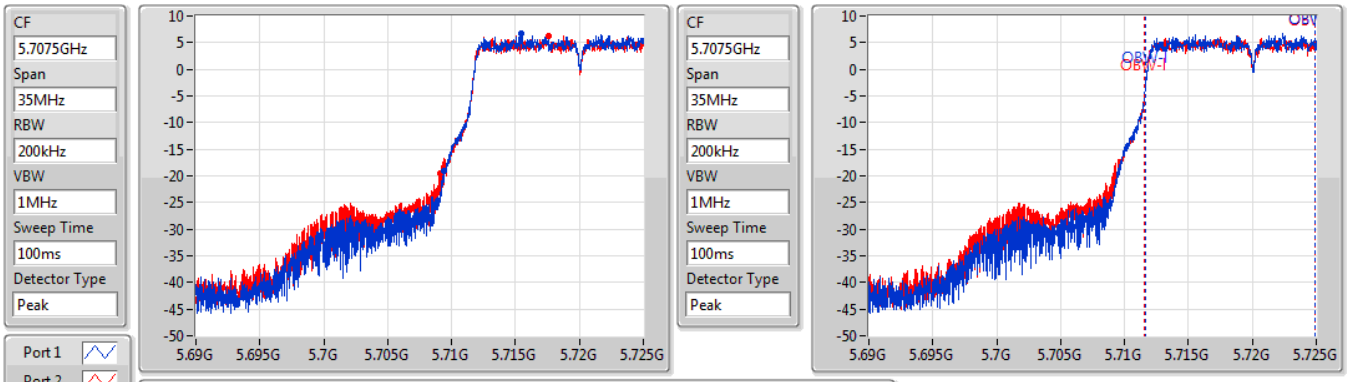
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.68947G	5.71068G	16.762M	5.691694G	5.708456G	Inf	1
21.48M	5.68932G	5.7108G	16.672M	5.691694G	5.708366G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/10/2020



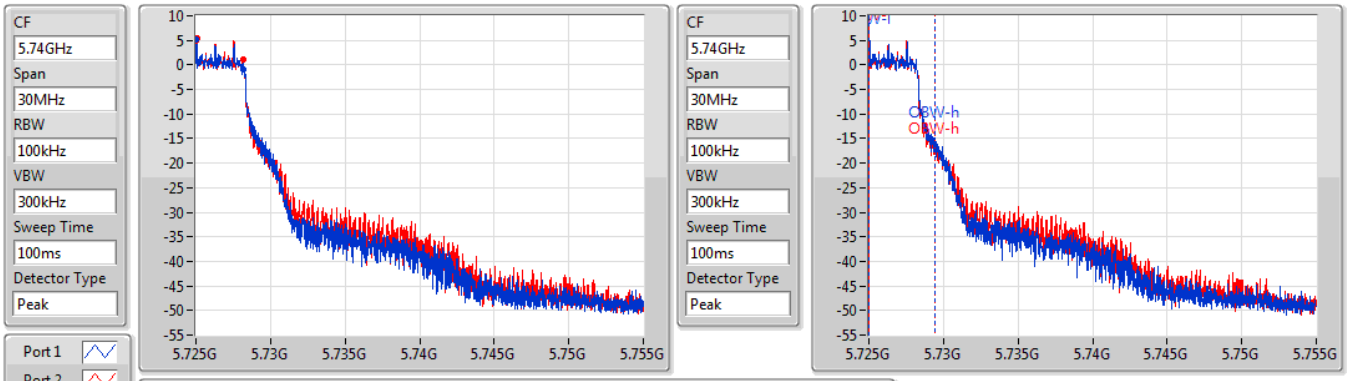
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.558M	5.709443G	5.725G	13.293M	5.711645G	5.724939G	Inf	1
15.925M	5.709075G	5.725G	13.346M	5.711593G	5.724939G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/10/2020



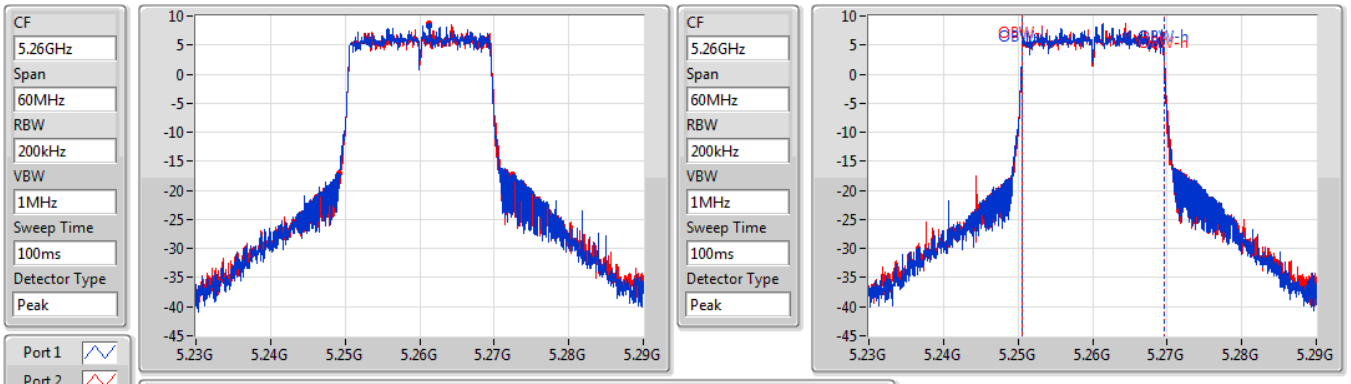
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.21M	5.725G	5.72821G	4.408M	5.725007G	5.729415G	500k	1
3.195M	5.725G	5.728195G	4.453M	5.725007G	5.72946G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5260MHz

07/10/2020



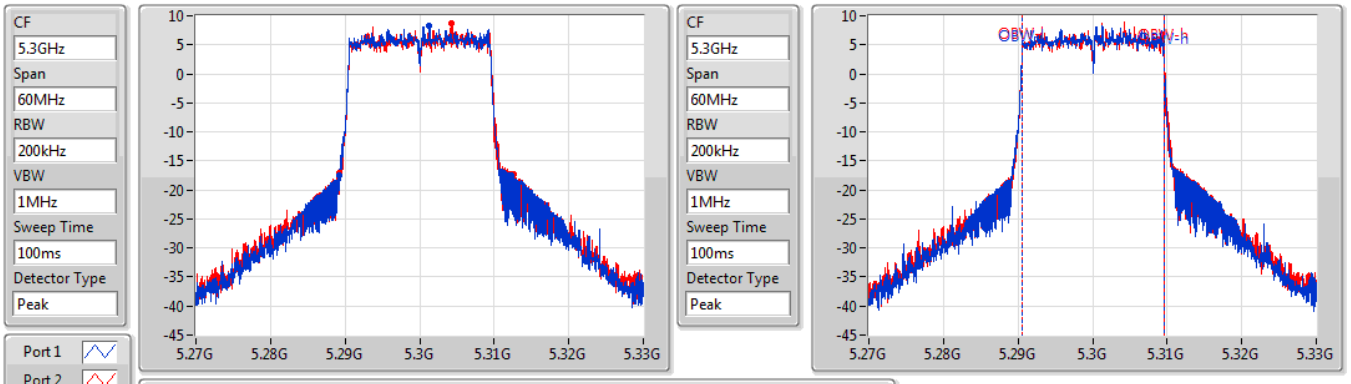
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.49M	5.24905G	5.27254G	19.07M	5.250495G	5.269565G	Inf	1
23.13M	5.24929G	5.27242G	19.1M	5.250525G	5.269625G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5300MHz

07/10/2020



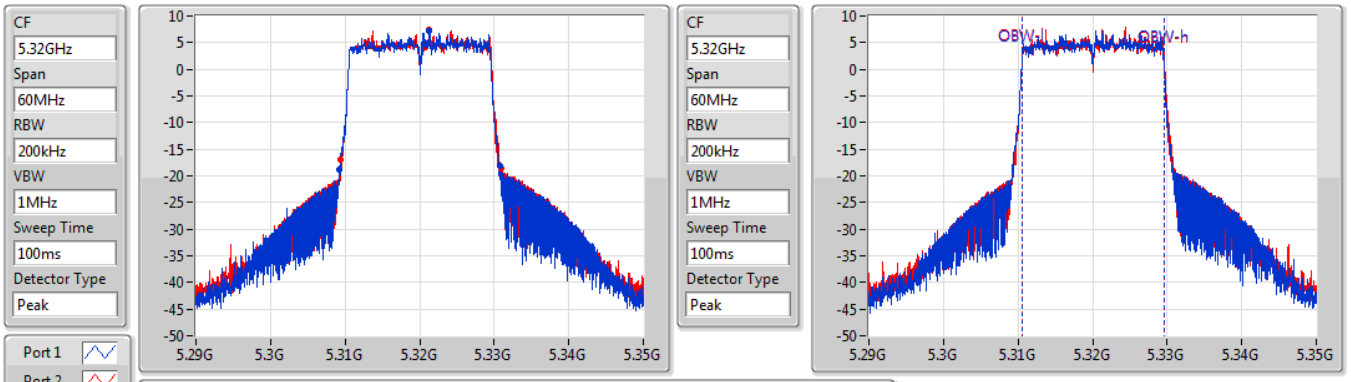
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.1M	5.28923G	5.31233G	19.07M	5.290495G	5.309565G	Inf	1
23.34M	5.28923G	5.31257G	19.1M	5.290525G	5.309625G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5320MHz

07/10/2020



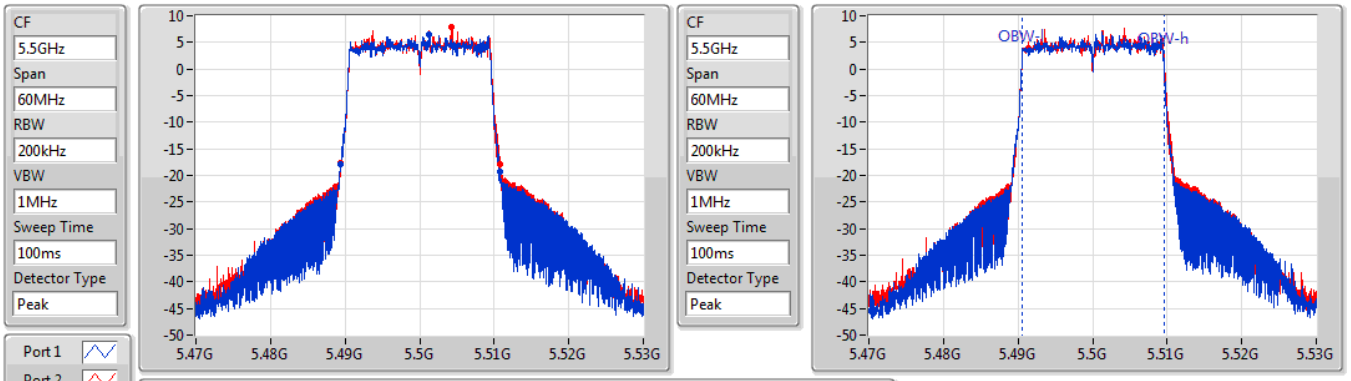
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.51M	5.30923G	5.33074G	19.01M	5.310525G	5.329535G	Inf	1
21.45M	5.30944G	5.33089G	19.1M	5.310525G	5.329625G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5500MHz

07/10/2020



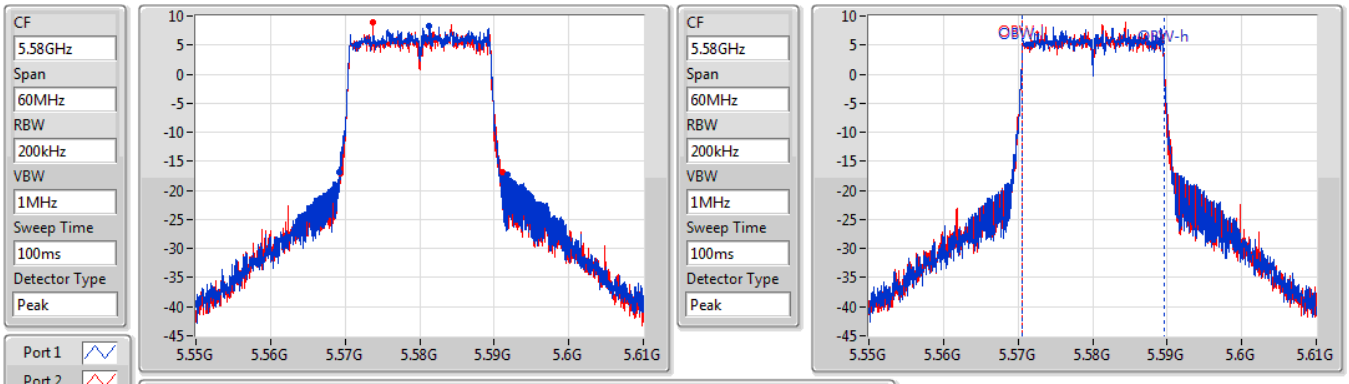
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.48932G	5.5108G	19.04M	5.490525G	5.509565G	Inf	1
21.39M	5.48944G	5.51083G	19.1M	5.490525G	5.509625G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5580MHz

07/10/2020



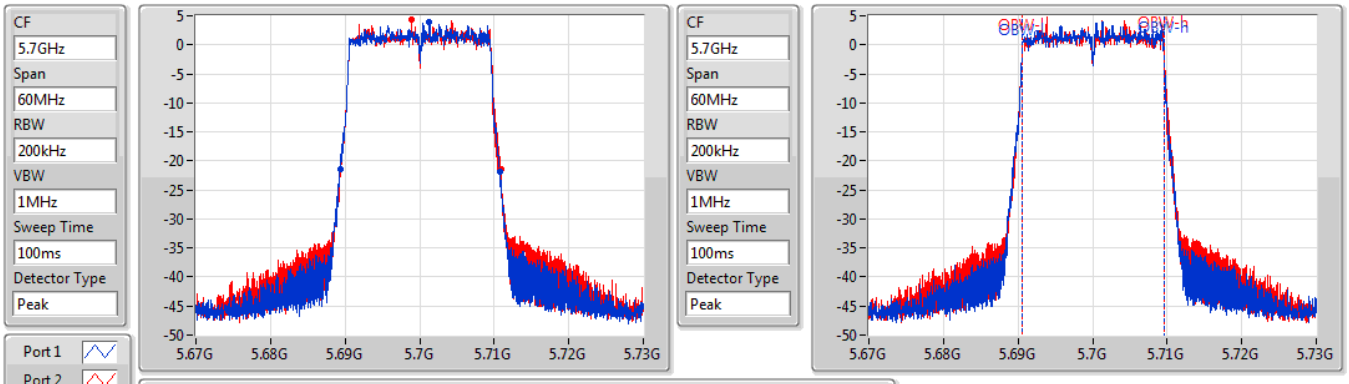
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.5M	5.56926G	5.59176G	19.04M	5.570525G	5.589565G	Inf	1
21.63M	5.56941G	5.59104G	19.1M	5.570525G	5.589625G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5700MHz

07/10/2020



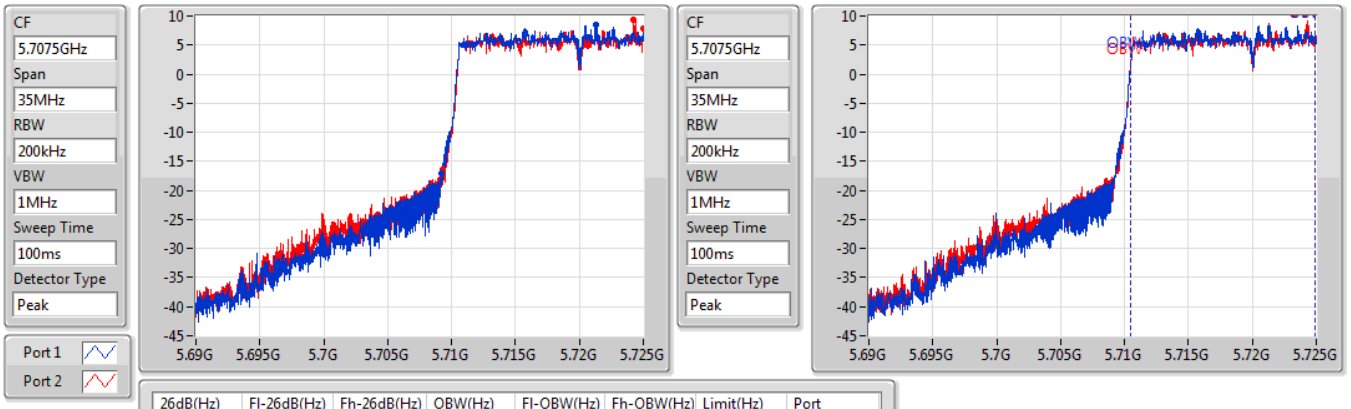
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.68932G	5.71077G	19.01M	5.690525G	5.709535G	Inf	1
21.51M	5.68938G	5.71089G	19.04M	5.690525G	5.709565G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/10/2020



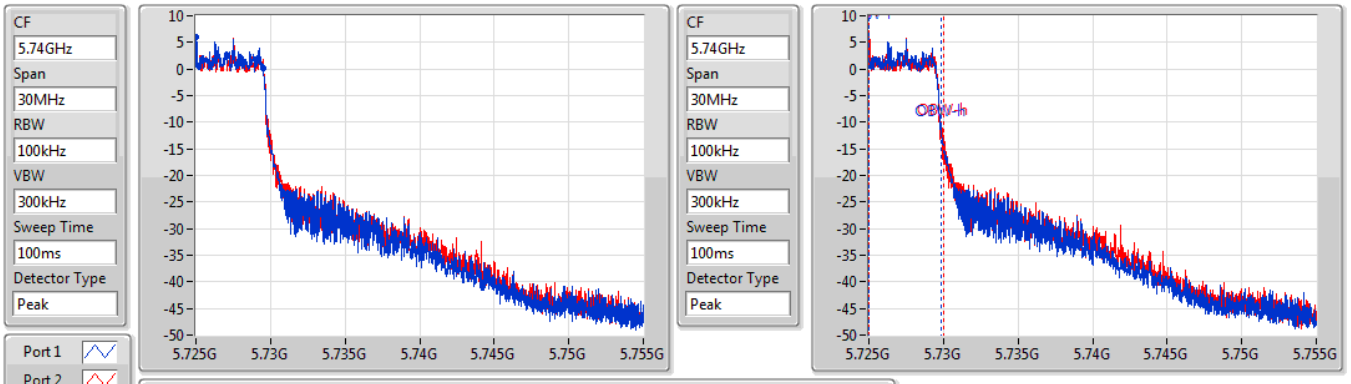
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.768M	5.709233G	5.725G	14.483M	5.710439G	5.724921G	Inf	1
15.68M	5.70932G	5.725G	14.5M	5.710439G	5.724939G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/10/2020



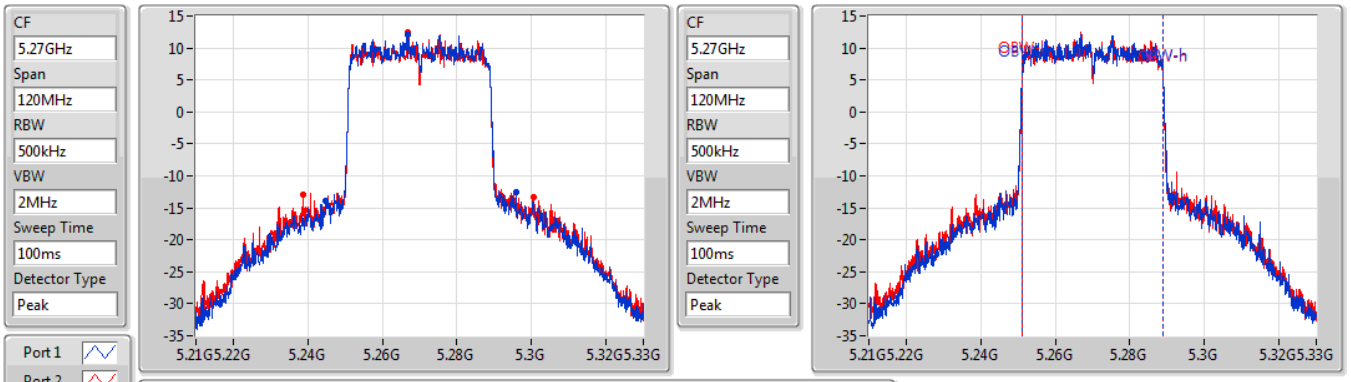
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.515M	5.725G	5.729515G	4.858M	5.725007G	5.729865G	500k	1
4.53M	5.725G	5.72953G	4.993M	5.725007G	5.73G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5270MHz

07/10/2020



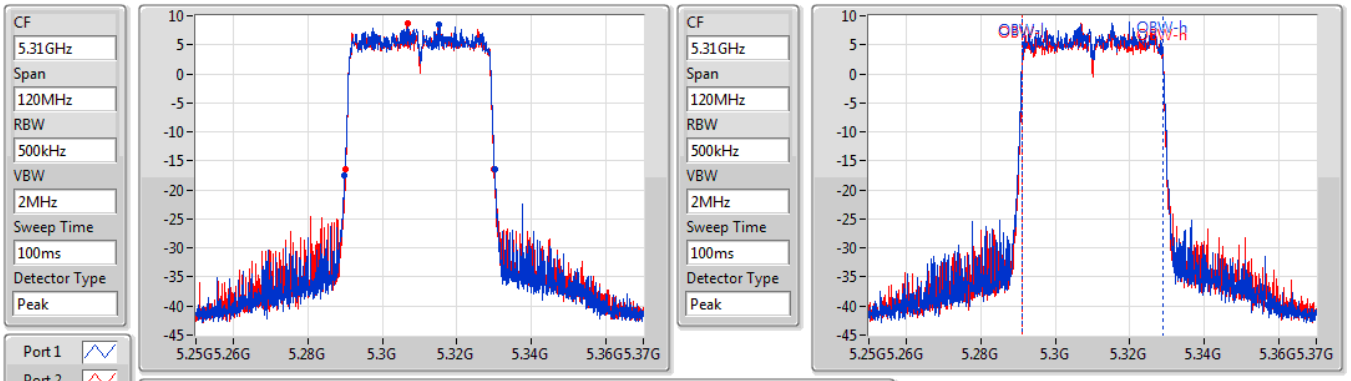
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
51.24M	5.24474G	5.29598G	37.781M	5.251169G	5.288951G	Inf	1
61.92M	5.23862G	5.30054G	37.841M	5.251109G	5.288951G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

07/10/2020



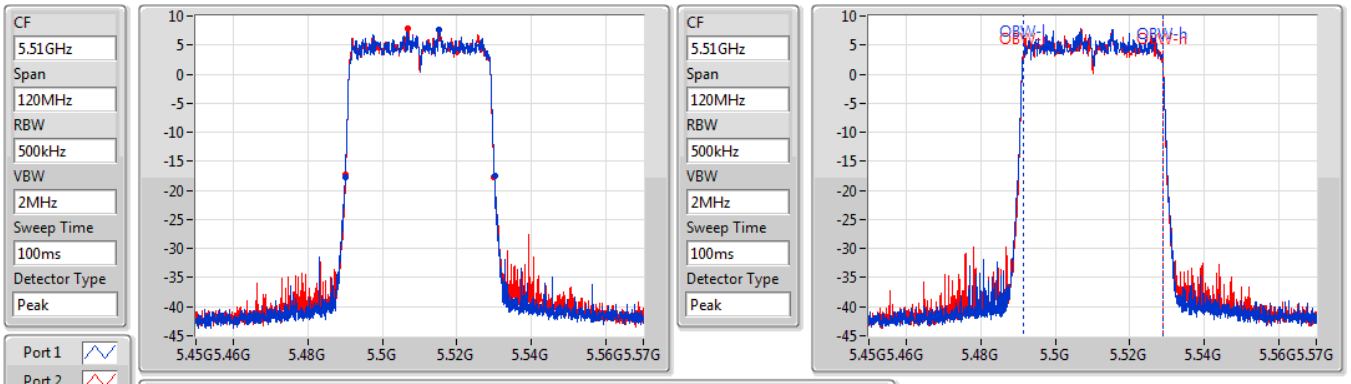
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.2899G	5.3301G	37.541M	5.291229G	5.328771G	Inf	1
39.84M	5.29014G	5.32998G	37.601M	5.291229G	5.328831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5510MHz

07/10/2020



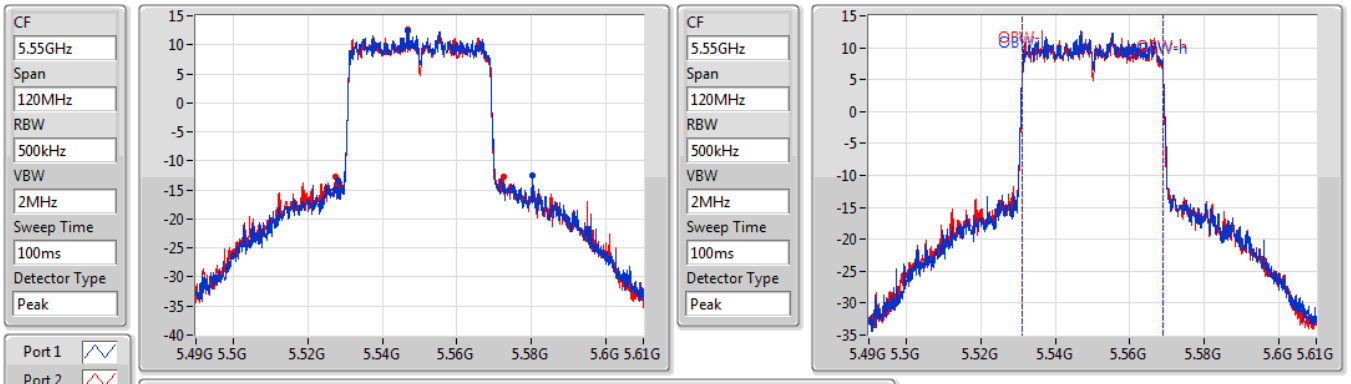
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.48996G	5.5301G	37.481M	5.491289G	5.528771G	Inf	1
39.9M	5.49014G	5.53004G	37.541M	5.491289G	5.528831G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5550MHz

07/10/2020



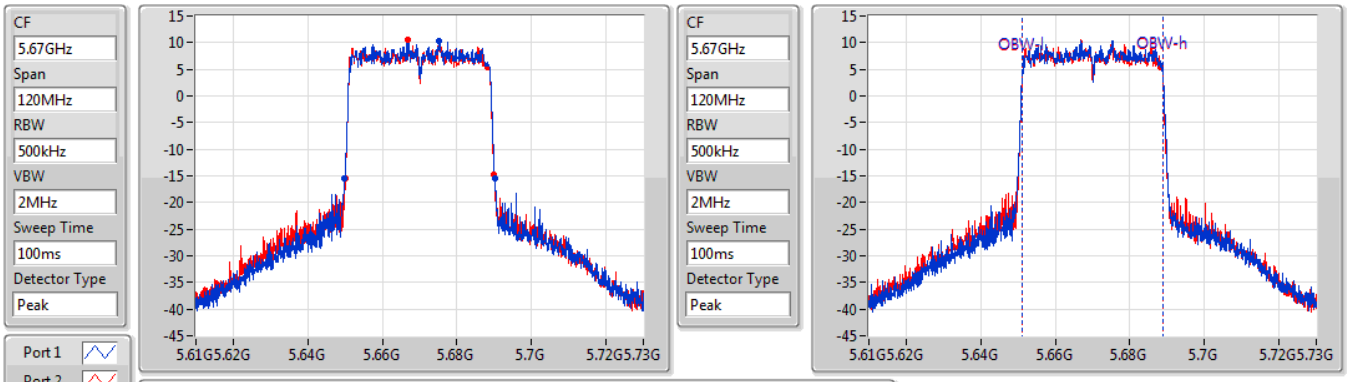
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
52.14M	5.52798G	5.58012G	37.721M	5.531169G	5.568891G	Inf	1
45.06M	5.52744G	5.5725G	37.781M	5.531109G	5.568891G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5670MHz

07/10/2020



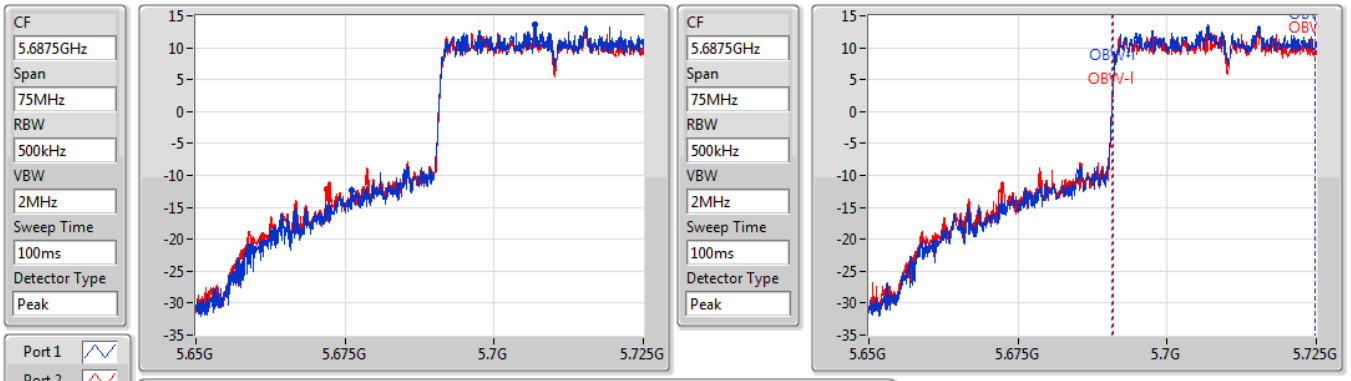
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.6499G	5.6901G	37.541M	5.651229G	5.688771G	Inf	1
39.9M	5.65014G	5.69004G	37.541M	5.651229G	5.688771G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

07/10/2020



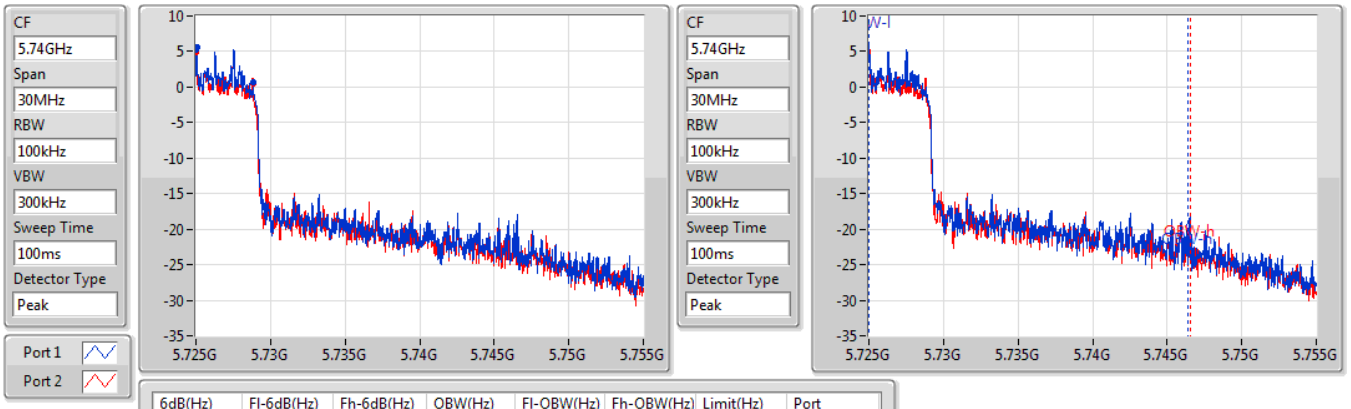
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.9M	5.6761G	5.725G	33.846M	5.690948G	5.724794G	Inf	1
52.988M	5.672013G	5.725G	33.996M	5.690798G	5.724794G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

07/10/2020



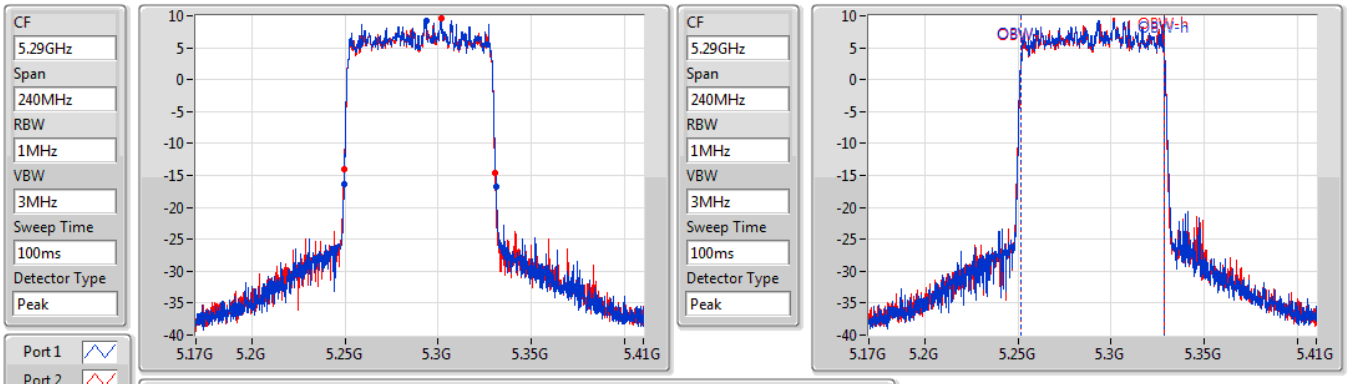
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.87M	5.725G	5.72887G	21.379M	5.725007G	5.746387G	500k	1
3.84M	5.725G	5.72884G	21.589M	5.725007G	5.746597G	500k	2

802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5290MHz

07/10/2020



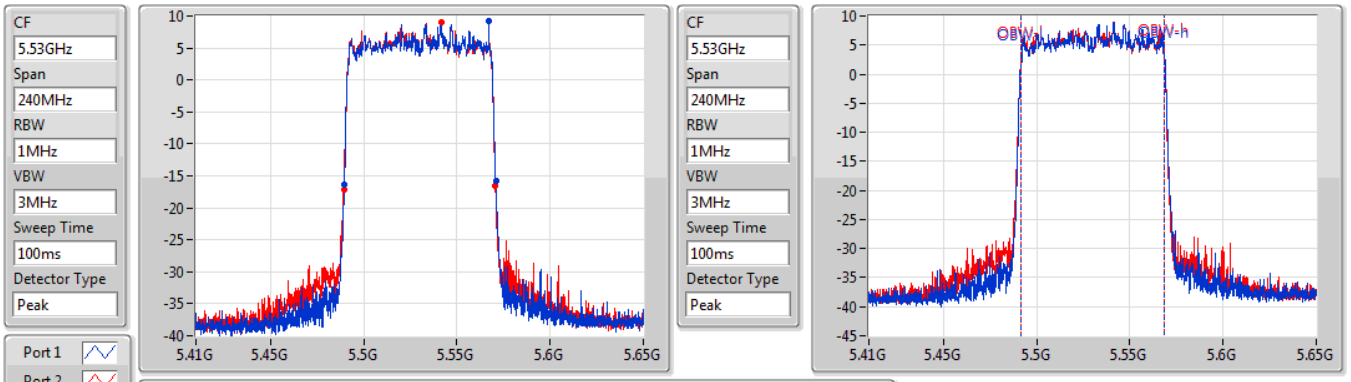
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.48M	5.24956G	5.33104G	76.762M	5.251739G	5.328501G	Inf	1
81M	5.24944G	5.33044G	76.762M	5.251739G	5.328501G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5530MHz

07/10/2020



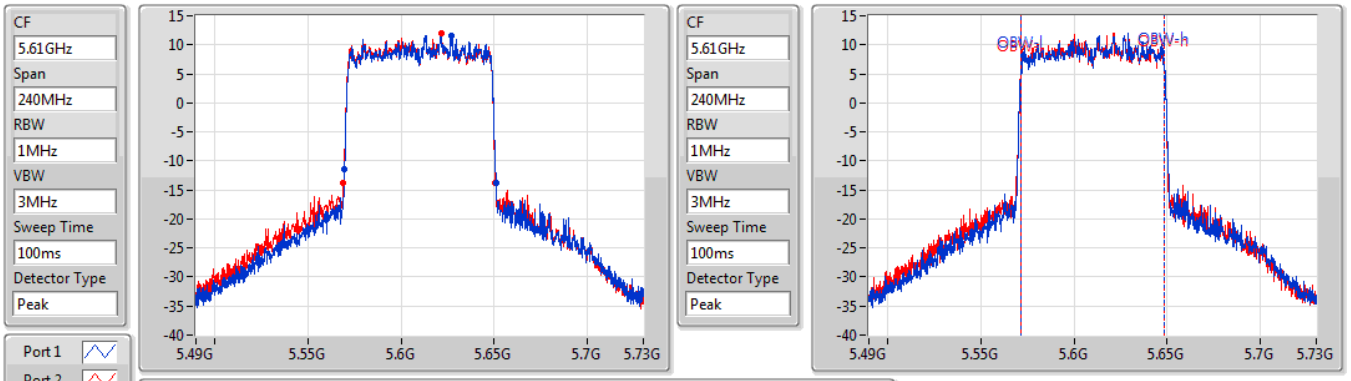
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.24M	5.48956G	5.5708G	76.762M	5.491739G	5.568501G	Inf	1
81.36M	5.48932G	5.57068G	76.762M	5.491739G	5.568501G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5610MHz

07/10/2020



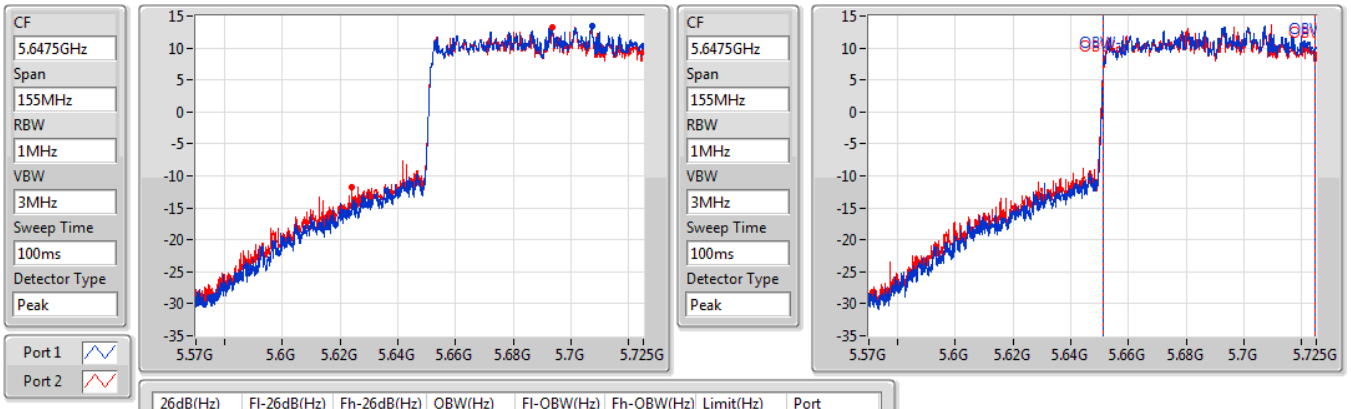
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.48M	5.56956G	5.65104G	77.001M	5.571619G	5.648621G	Inf	1
81.48M	5.5692G	5.65068G	77.001M	5.571619G	5.648621G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

07/10/2020



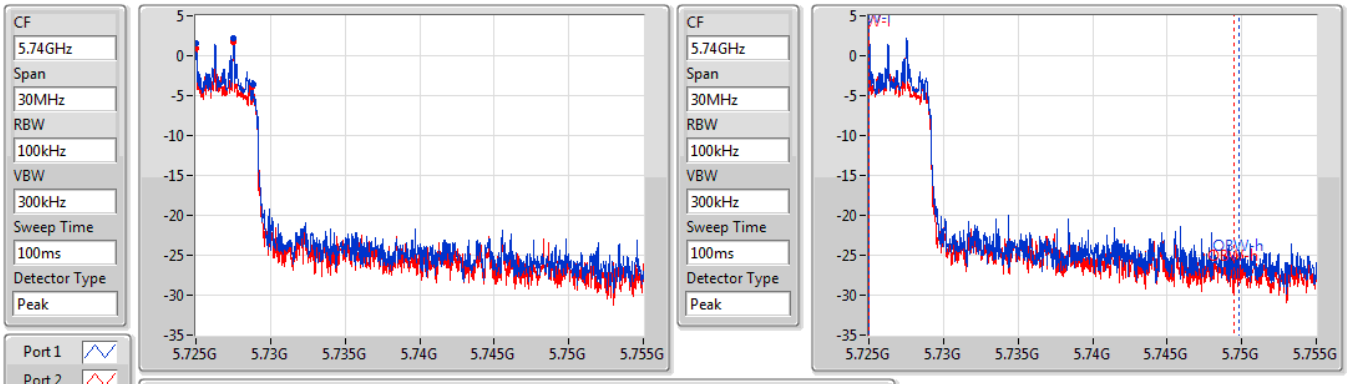
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
88.893M	5.636108G	5.725G	73.201M	5.651373G	5.724574G	Inf	1
100.905M	5.624095G	5.725G	73.356M	5.651141G	5.724497G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

07/10/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.84M	5.725G	5.72884G	24.783M	5.725007G	5.74979G	500k	1
3.78M	5.725G	5.72878G	24.483M	5.725007G	5.74949G	500k	2

For beamforming mode 2TX
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.53M	19.1M	19M1D1D	21.33M	19.04M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	41.76M	37.601M	37M6D1D	39.78M	37.541M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	81.24M	76.762M	76M8D1D	81.24M	76.762M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.56M	19.07M	19M1D1D	15.505M	14.465M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.26M	37.541M	37M5D1D	34.875M	33.583M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	81.36M	76.882M	76M9D1D	75.485M	72.891M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	4.53M	4.858M	4M86D1D	4.515M	4.753M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	3.855M	4.198M	4M20D1D	3.84M	4.168M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	3.885M	4.318M	4M32D1D	3.795M	4.273M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	22.47M	19.04M	21.63M	19.1M
5300MHz	Pass	Inf	22.53M	19.07M	21.96M	19.1M
5320MHz	Pass	Inf	21.33M	19.04M	21.36M	19.1M
5500MHz	Pass	Inf	21.51M	19.01M	21.51M	19.07M
5580MHz	Pass	Inf	22.56M	19.04M	21.15M	19.01M
5700MHz	Pass	Inf	21.45M	19.01M	21.39M	19.07M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.715M	14.465M	15.505M	14.465M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.515M	4.753M	4.53M	4.858M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	41.76M	37.601M	39.78M	37.601M
5310MHz	Pass	Inf	40.02M	37.541M	39.9M	37.541M
5510MHz	Pass	Inf	40.14M	37.481M	39.84M	37.541M
5550MHz	Pass	Inf	40.14M	37.541M	39.9M	37.541M
5670MHz	Pass	Inf	40.26M	37.481M	39.9M	37.541M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.063M	33.583M	34.875M	33.583M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.855M	4.198M	3.84M	4.168M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.24M	76.762M	81.24M	76.762M
5530MHz	Pass	Inf	81.36M	76.882M	81.36M	76.762M
5610MHz	Pass	Inf	81.36M	76.882M	81.36M	76.882M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.485M	72.891M	76.028M	72.969M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.885M	4.273M	3.795M	4.318M

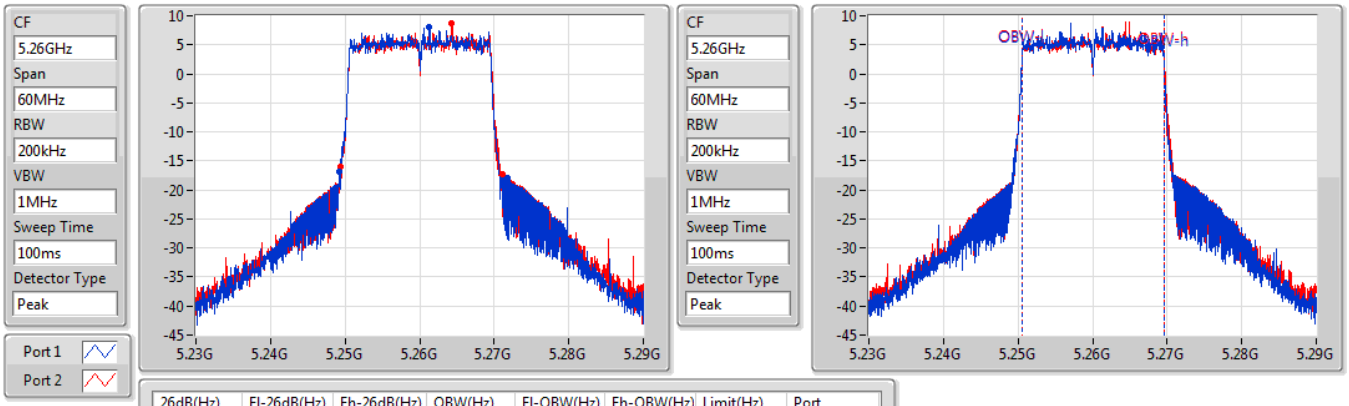
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5260MHz

07/10/2020



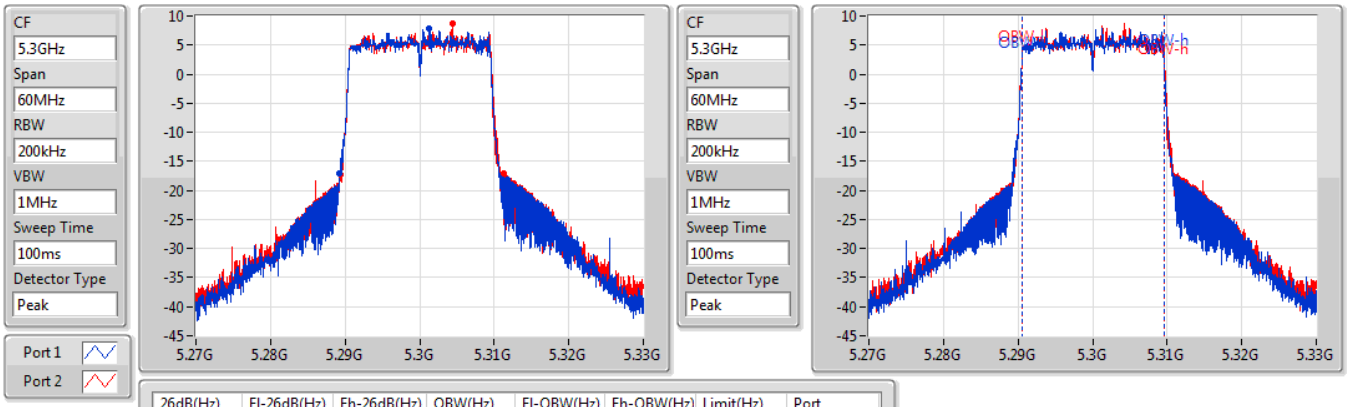
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.47M	5.24929G	5.27176G	19.04M	5.250525G	5.269565G	Inf	1
21.63M	5.24947G	5.2711G	19.1M	5.250525G	5.269625G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5300MHz

07/10/2020

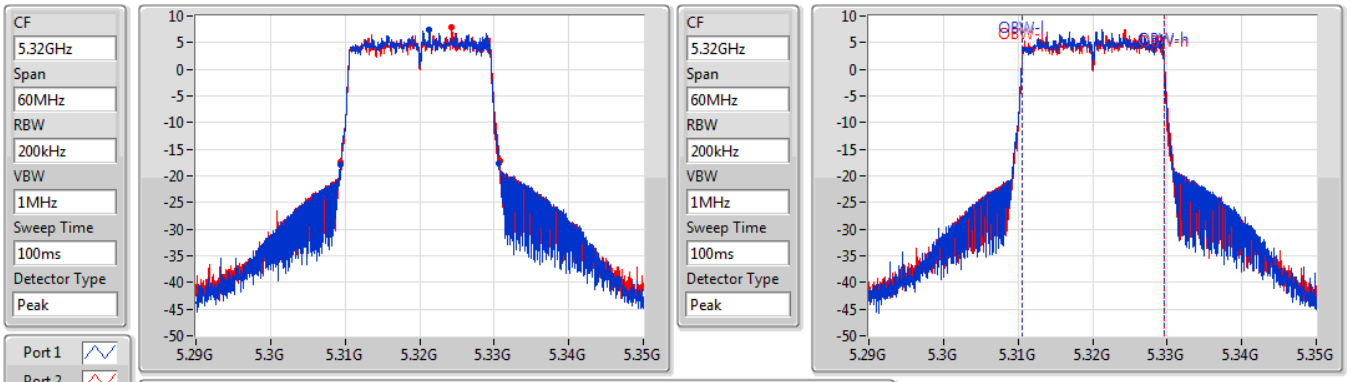


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.53M	5.28929G	5.31182G	19.07M	5.290495G	5.309565G	Inf	1
21.96M	5.28938G	5.31134G	19.1M	5.290525G	5.309625G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

5320MHz

07/10/2020

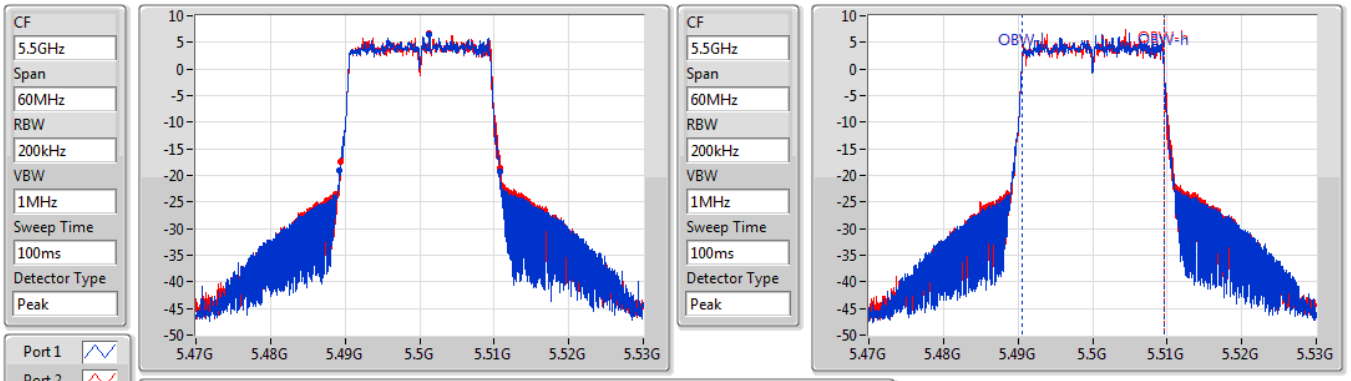


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.33M	5.30935G	5.33068G	19.04M	5.310525G	5.329565G	Inf	1
21.36M	5.30944G	5.3308G	19.1M	5.310525G	5.329625G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

5500MHz

07/10/2020

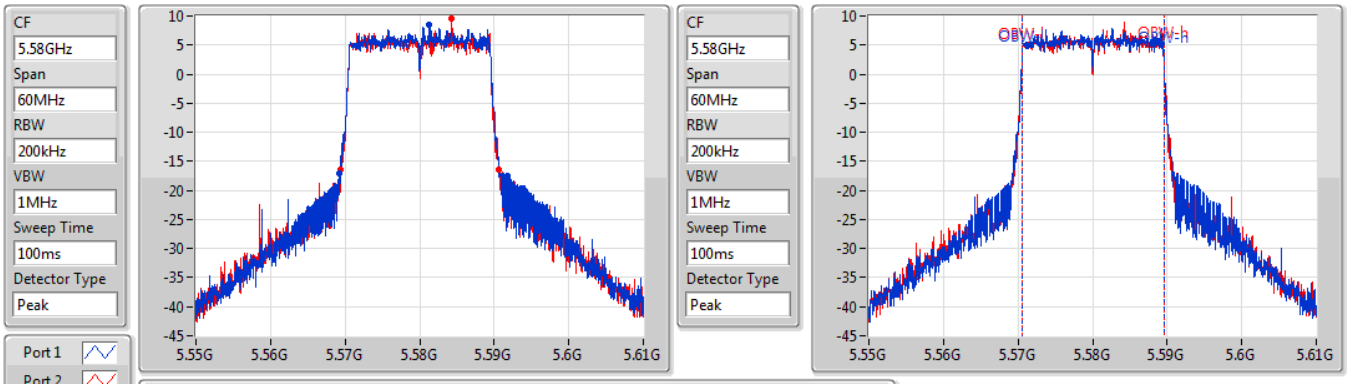


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.51M	5.48929G	5.5108G	19.01M	5.490525G	5.509535G	Inf	1
21.51M	5.48935G	5.51086G	19.07M	5.490525G	5.509595G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

5580MHz

07/10/2020

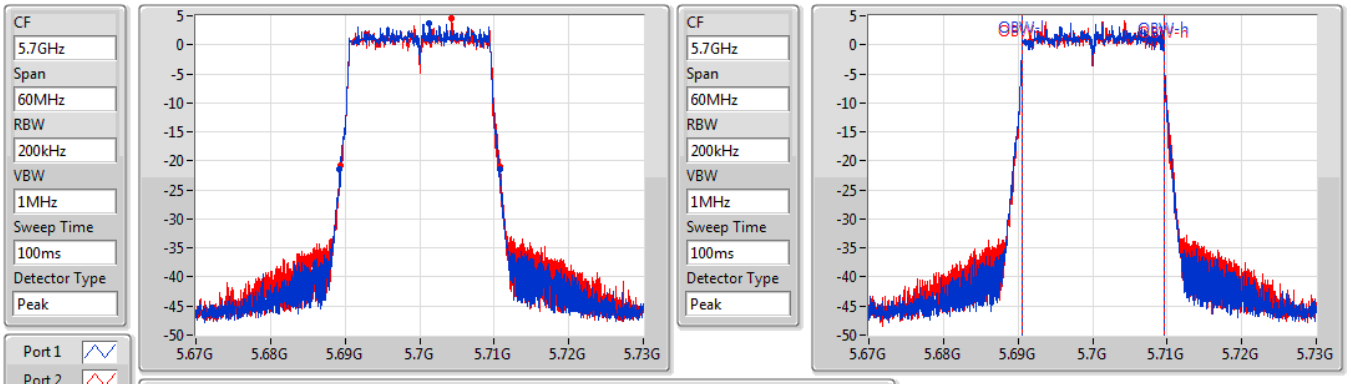


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.56M	5.56923G	5.59179G	19.04M	5.570525G	5.589565G	Inf	1
21.15M	5.56947G	5.59062G	19.01M	5.570525G	5.589535G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

5700MHz

07/10/2020



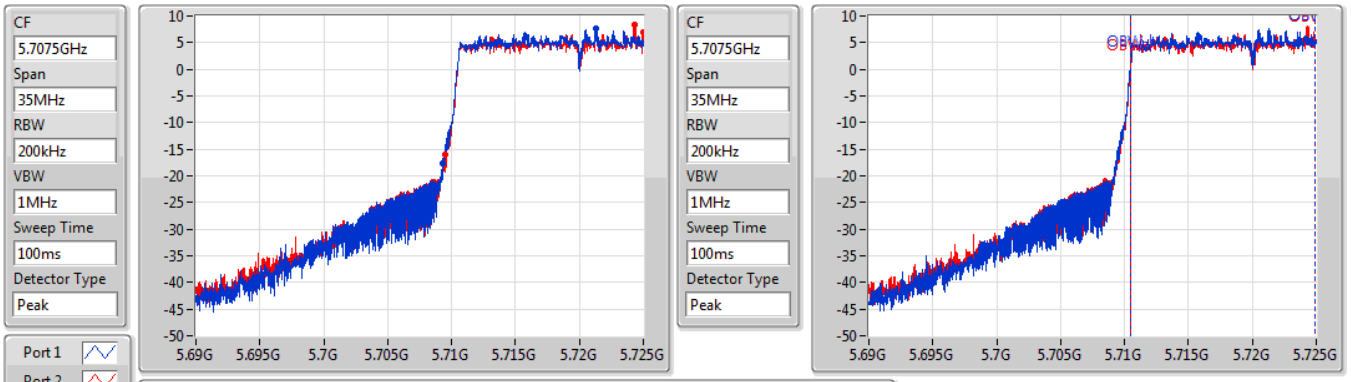
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.68929G	5.71074G	19.01M	5.690525G	5.709535G	Inf	1
21.39M	5.68941G	5.7108G	19.07M	5.690525G	5.709595G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/10/2020



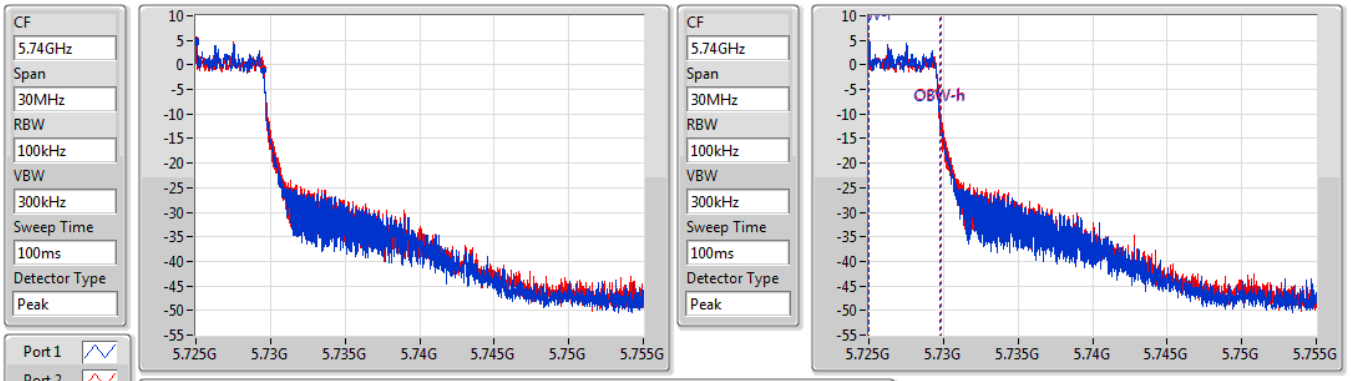
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.715M	5.709285G	5.725G	14.465M	5.710456G	5.724921G	Inf	1
15.505M	5.709495G	5.725G	14.465M	5.710474G	5.724939G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/10/2020



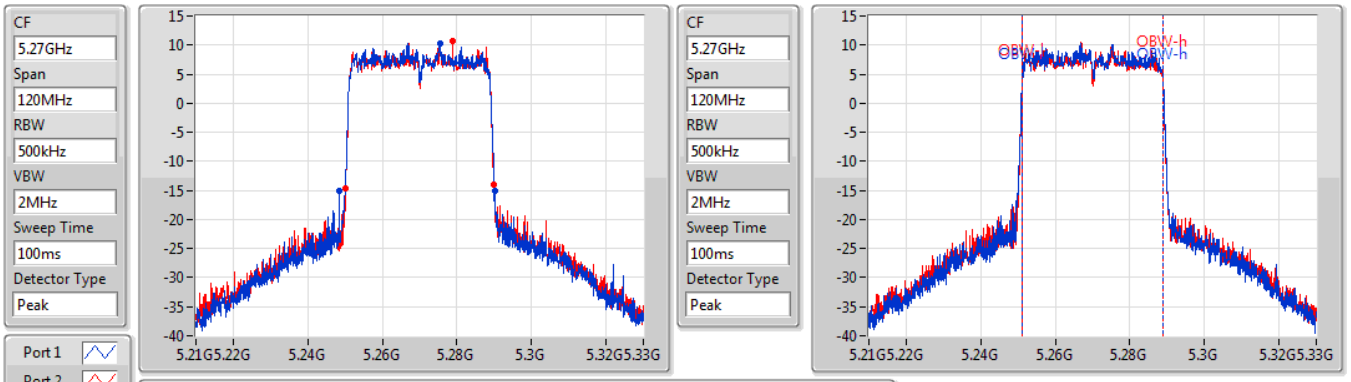
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.515M	5.725G	5.729515G	4.753M	5.725022G	5.729775G	500k	1
4.53M	5.725G	5.72953G	4.858M	5.725022G	5.72988G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5270MHz

07/10/2020



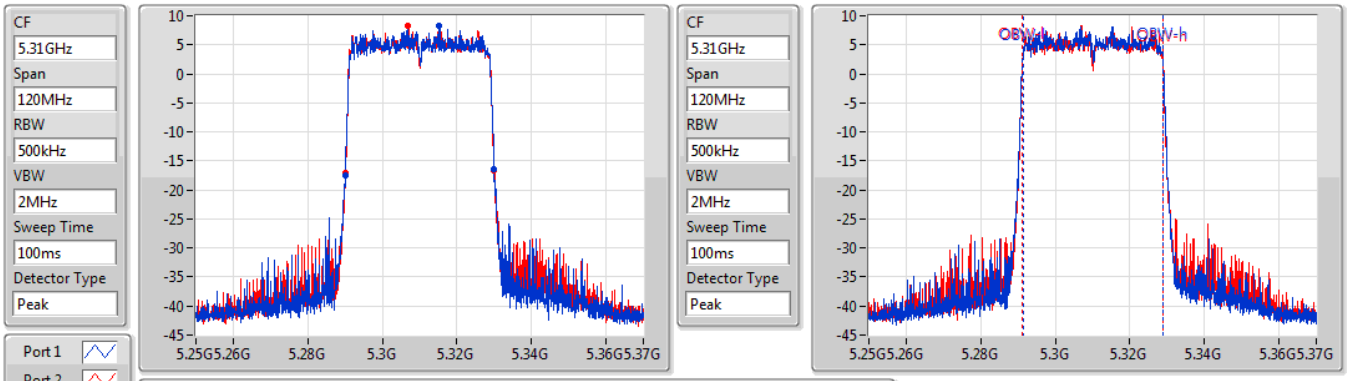
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.76M	5.24834G	5.2901G	37.601M	5.251229G	5.288831G	Inf	1
39.78M	5.25014G	5.28992G	37.601M	5.251229G	5.288831G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5310MHz

07/10/2020



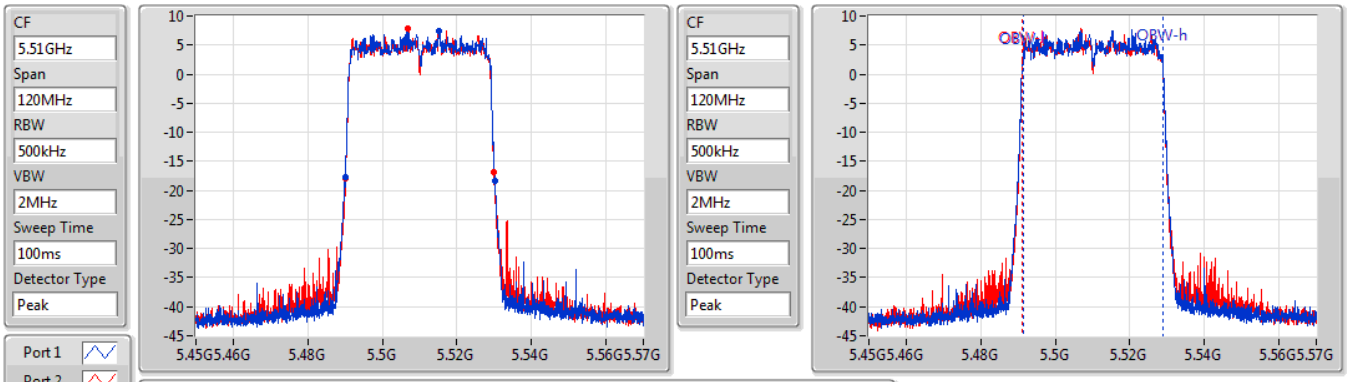
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.29002G	5.33004G	37.541M	5.291289G	5.328831G	Inf	1
39.9M	5.29014G	5.33004G	37.541M	5.291229G	5.328771G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5510MHz

07/10/2020



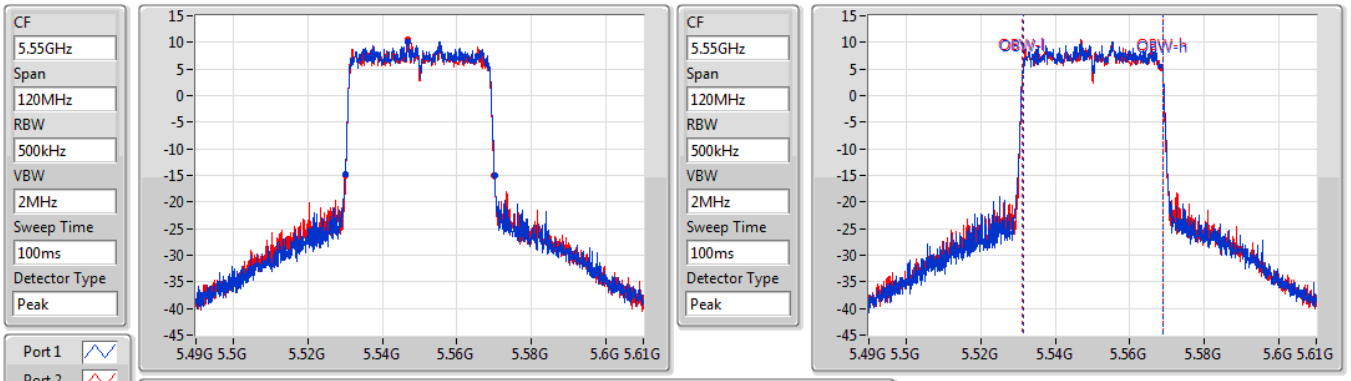
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.49002G	5.53016G	37.481M	5.491289G	5.528771G	Inf	1
39.84M	5.49014G	5.52998G	37.541M	5.491229G	5.528771G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5550MHz

07/10/2020



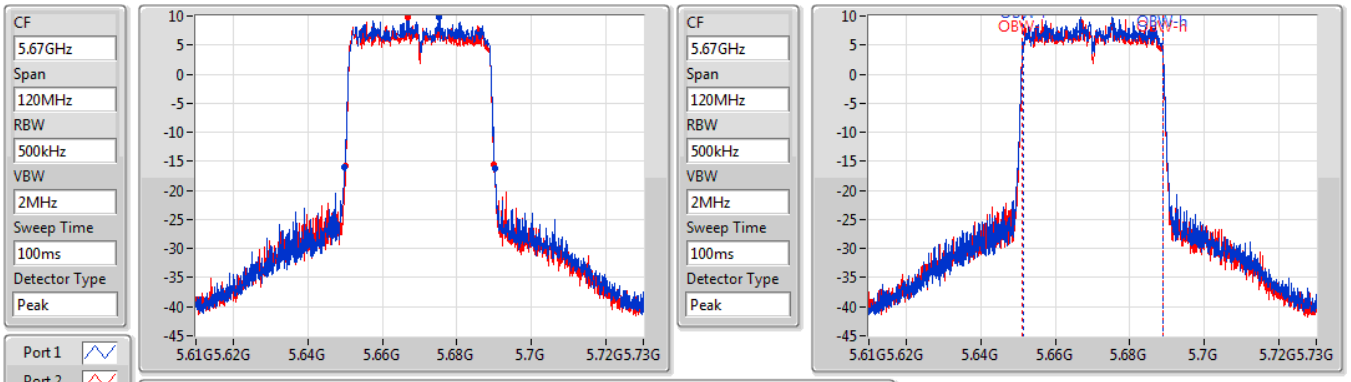
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.52996G	5.5701G	37.541M	5.531289G	5.568831G	Inf	1
39.9M	5.53014G	5.57004G	37.541M	5.531229G	5.568771G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5670MHz

07/10/2020



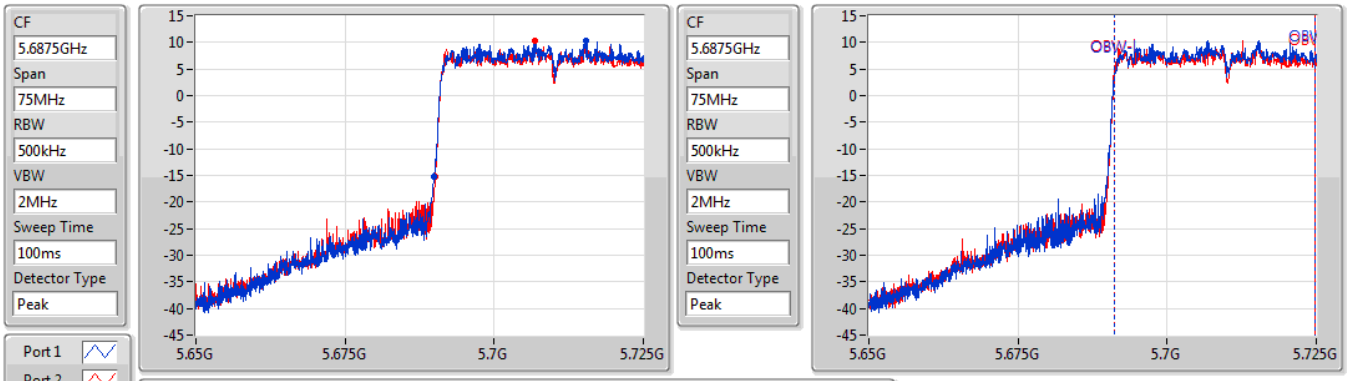
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.6499G	5.69016G	37.481M	5.651289G	5.688771G	Inf	1
39.9M	5.65014G	5.69004G	37.541M	5.651229G	5.688771G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

07/10/2020



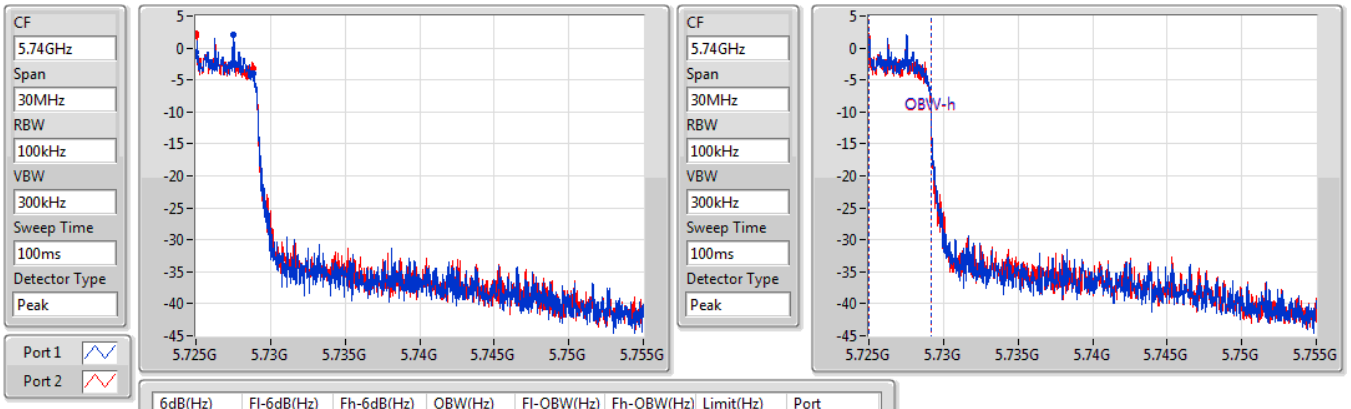
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.063M	5.689938G	5.725G	33.583M	5.691211G	5.724794G	Inf	1
34.875M	5.690125G	5.725G	33.583M	5.691211G	5.724794G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

07/10/2020



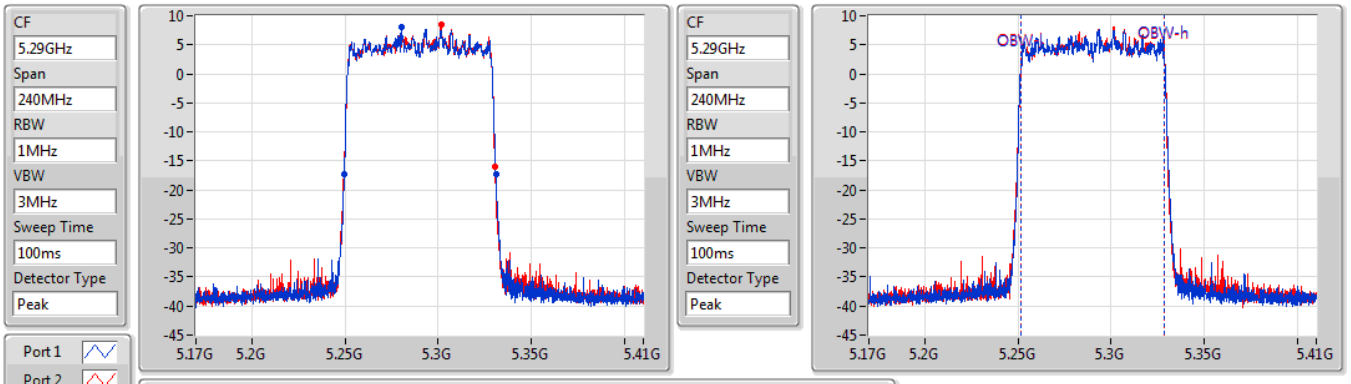
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.855M	5.725G	5.728855G	4.198M	5.725007G	5.729205G	500k	1
3.84M	5.725G	5.72884G	4.168M	5.725022G	5.72919G	500k	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5290MHz

07/10/2020

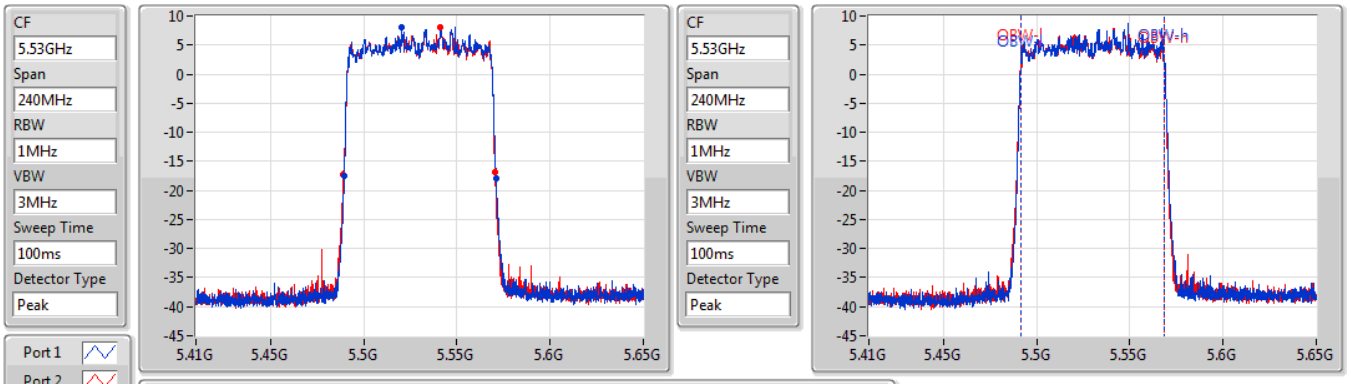


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.24M	5.24956G	5.3308G	76.762M	5.251739G	5.328501G	Inf	1
81.24M	5.24932G	5.33056G	76.762M	5.251739G	5.328501G	Inf	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX EBW

5530MHz

07/10/2020

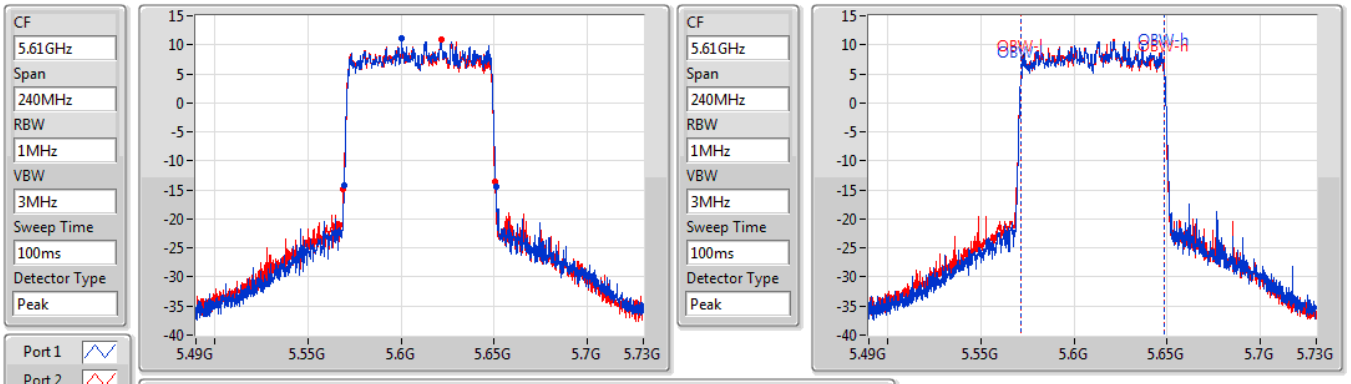


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.48956G	5.57092G	76.882M	5.491739G	5.568621G	Inf	1
81.36M	5.4892G	5.57056G	76.762M	5.491739G	5.568501G	Inf	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX EBW

5610MHz

07/10/2020



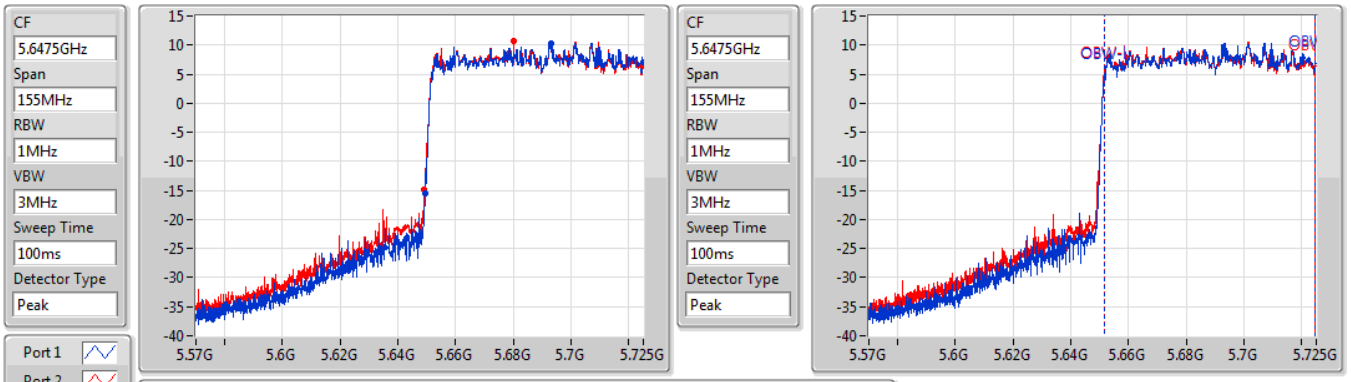
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.56956G	5.65092G	76.882M	5.571739G	5.648621G	Inf	1
81.36M	5.5692G	5.65056G	76.882M	5.571619G	5.648501G	Inf	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

07/10/2020



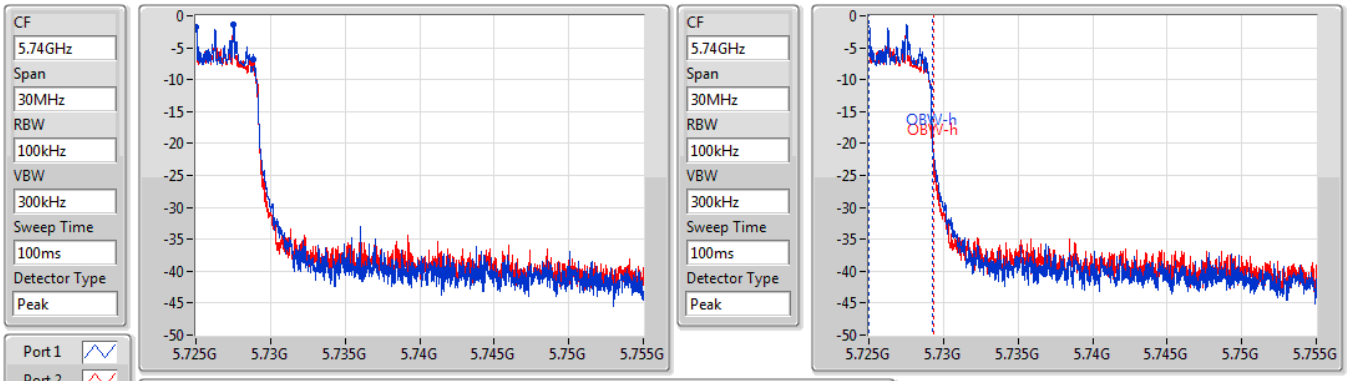
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.485M	5.649515G	5.725G	72.891M	5.651683G	5.724574G	Inf	1
76.028M	5.648973G	5.725G	72.969M	5.651528G	5.724497G	Inf	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

07/10/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.885M	5.725G	5.728885G	4.273M	5.725007G	5.72928G	500k	1
3.795M	5.725G	5.728795G	4.318M	5.725007G	5.729325G	500k	2

For Dual Band Radio
For non beamforming mode 1TX
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	20.56	0.11376
802.11ax HEW20_Nss1,(MCS0)_1TX	20.34	0.10814
802.11ax HEW40_Nss1,(MCS0)_1TX	20.41	0.10990
802.11ax HEW80_Nss1,(MCS0)_1TX	17.09	0.05117

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	
5260MHz	Pass	6.00	20.29	20.29	23.98	20
5300MHz	Pass	6.00	20.56	20.56	23.98	20.25
5320MHz	Pass	6.00	19.53	19.53	23.98	19.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5260MHz	Pass	6.00	20.23	20.23	23.98	19.75
5300MHz	Pass	6.00	20.34	20.34	23.98	19.75
5320MHz	Pass	6.00	18.68	18.68	23.98	17.75
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5270MHz	Pass	6.00	20.41	20.41	23.98	20.25
5310MHz	Pass	6.00	17.60	17.60	23.98	16.75
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5290MHz	Pass	6.00	17.09	17.09	23.98	16

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

For non beamforming mode 2TX
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	21.00	0.12589
802.11ax HEW20_Nss1,(MCS0)_2TX	21.61	0.14488
802.11ax HEW40_Nss1,(MCS0)_2TX	22.11	0.16255
802.11ax HEW80_Nss1,(MCS0)_2TX	18.66	0.07345

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	
5260MHz	Pass	6.00	18.01	17.96	21.00	23.98	17.5
5300MHz	Pass	6.00	17.65	17.59	20.63	23.98	17.5
5320MHz	Pass	6.00	17.65	17.66	20.67	23.98	17.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5260MHz	Pass	6.00	18.72	18.48	21.61	23.98	17.75
5300MHz	Pass	6.00	18.55	18.44	21.51	23.98	18
5320MHz	Pass	6.00	16.53	16.35	19.45	23.98	16
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5270MHz	Pass	6.00	19.32	18.87	22.11	23.98	18.5
5310MHz	Pass	6.00	15.48	15.28	18.39	23.98	14.75
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5290MHz	Pass	6.00	15.67	15.62	18.66	23.98	15

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

For beamforming mode 2TX
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.95	0.12445
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.66	0.11641
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	18.66	0.07345

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
5260MHz	Pass	9.01	17.73	17.68	20.72	20.97	16.75
5300MHz	Pass	9.01	17.87	18.01	20.95	20.97	16.75
5320MHz	Pass	9.01	17.57	17.54	20.57	20.97	16.75
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5270MHz	Pass	9.01	17.73	17.56	20.66	20.97	16.75
5310MHz	Pass	9.01	16.56	16.48	19.53	20.97	15.75
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5290MHz	Pass	9.01	15.67	15.62	18.66	20.97	15

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

For 5G Radio
For non beamforming mode 1TX
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	20.49	0.11194
802.11ax HEW20_Nss1,(MCS0)_1TX	20.31	0.10740
802.11ax HEW40_Nss1,(MCS0)_1TX	19.94	0.09863
802.11ax HEW80_Nss1,(MCS0)_1TX	16.53	0.04498
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	20.80	0.12023
802.11ax HEW20_Nss1,(MCS0)_1TX	20.83	0.12106
802.11ax HEW40_Nss1,(MCS0)_1TX	19.95	0.09886
802.11ax HEW80_Nss1,(MCS0)_1TX	20.16	0.10375
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	12.78	0.01897
802.11ax HEW20_Nss1,(MCS0)_1TX	12.91	0.01954
802.11ax HEW40_Nss1,(MCS0)_1TX	10.03	0.01007
802.11ax HEW80_Nss1,(MCS0)_1TX	6.53	0.00450

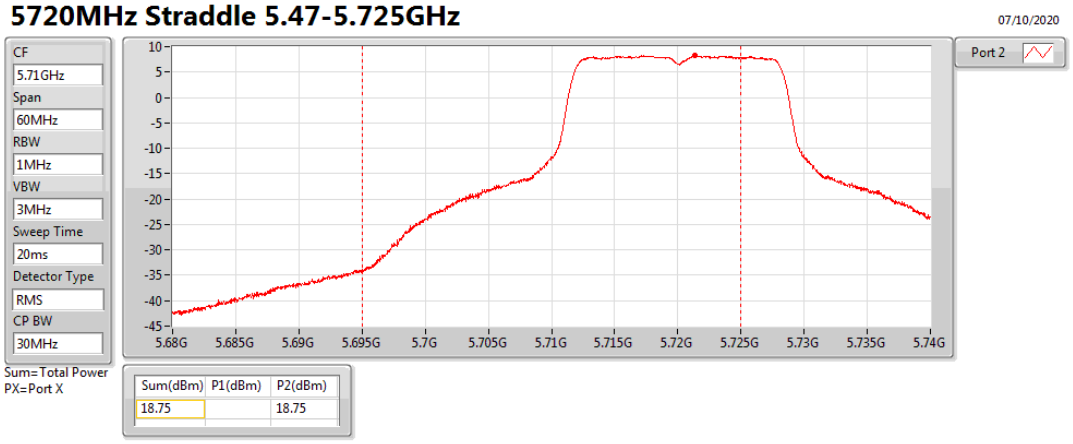
Result

Mode	Result	DG (dBi)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	
5260MHz	Pass	6.60	20.22	20.22	23.38	20.25
5300MHz	Pass	6.60	20.49	20.49	23.38	20.5
5320MHz	Pass	6.60	18.99	18.99	23.38	19
5500MHz	Pass	6.60	15.88	15.88	23.38	15
5580MHz	Pass	6.60	20.80	20.80	23.38	20.25
5700MHz	Pass	6.60	15.64	15.64	23.38	15.25
5720MHz Straddle 5.47-5.725GHz	Pass	6.60	18.75	18.75	23.38	20.25
5720MHz Straddle 5.725-5.85GHz	Pass	6.60	12.78	12.78	29.40	20.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5260MHz	Pass	6.60	20.31	20.31	23.38	20
5300MHz	Pass	6.60	20.27	20.27	23.38	20.25
5320MHz	Pass	6.60	17.91	17.91	23.38	17.5
5500MHz	Pass	6.60	16.50	16.50	23.38	15.25
5580MHz	Pass	6.60	20.83	20.83	23.38	20
5700MHz	Pass	6.60	13.47	13.47	23.38	12.5
5720MHz Straddle 5.47-5.725GHz	Pass	6.60	18.08	18.08	23.38	19.5
5720MHz Straddle 5.725-5.85GHz	Pass	6.60	12.91	12.91	29.40	19.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5270MHz	Pass	6.60	19.94	19.94	23.38	19.5
5310MHz	Pass	6.60	16.62	16.62	23.38	16
5510MHz	Pass	6.60	15.59	15.59	23.38	14.25
5550MHz	Pass	6.60	19.95	19.95	23.38	19
5670MHz	Pass	6.60	17.54	17.54	23.38	17.25
5710MHz Straddle 5.47-5.725GHz	Pass	6.60	19.84	19.84	23.38	20.5
5710MHz Straddle 5.725-5.85GHz	Pass	6.60	10.03	10.03	29.40	20.5
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5290MHz	Pass	6.60	16.53	16.53	23.38	16
5530MHz	Pass	6.60	16.17	16.17	23.38	15.25
5610MHz	Pass	6.60	18.92	18.92	23.38	18.75
5690MHz Straddle 5.47-5.725GHz	Pass	6.60	20.16	20.16	23.38	20.75
5690MHz Straddle 5.725-5.85GHz	Pass	6.60	6.53	6.53	29.40	20.75

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

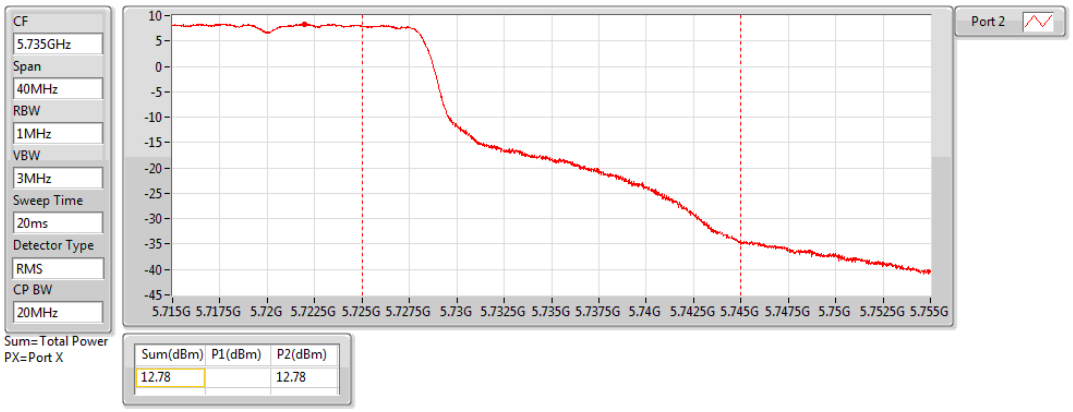
802.11a_Nss1,(6Mbps)_1TX **AV Power**

5720MHz Straddle 5.47-5.725GHz



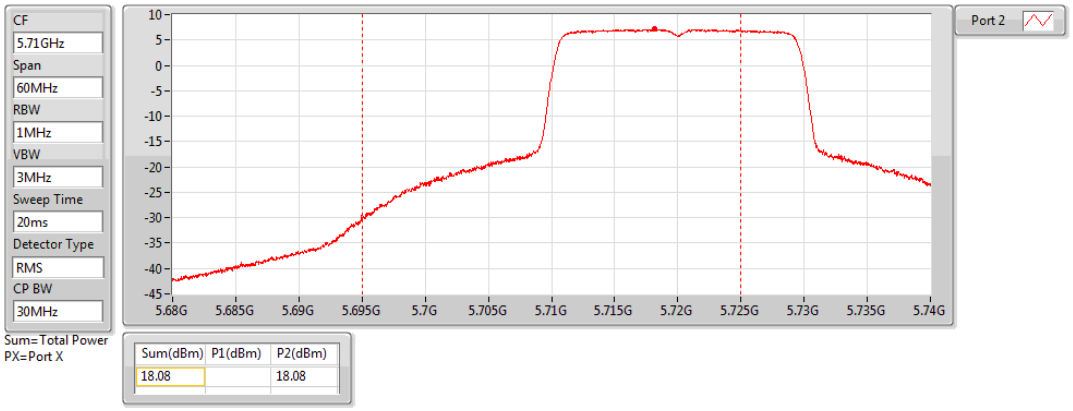
802.11a_Nss1,(6Mbps)_1TX **AV Power**

5720MHz Straddle 5.725-5.85GHz



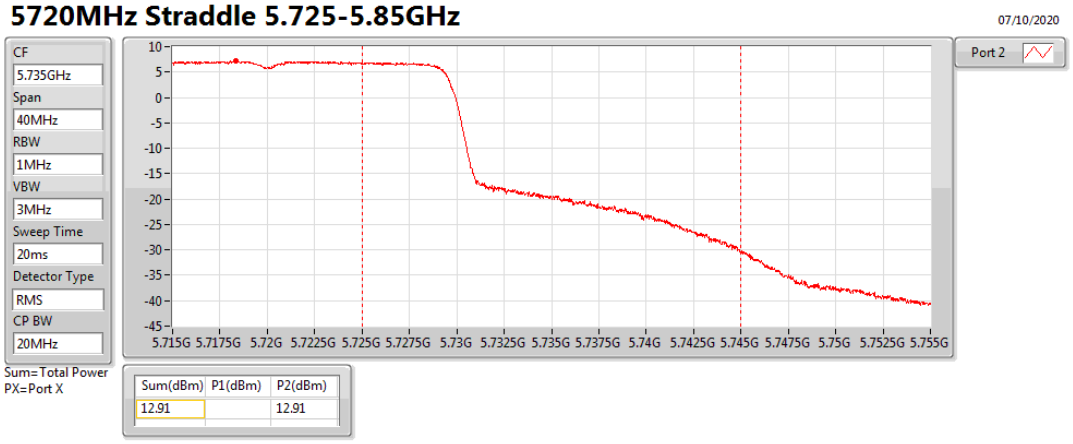
802.11ax HEW20_Nss1,(MCS0)_1TX **AV Power**

5720MHz Straddle 5.47-5.725GHz



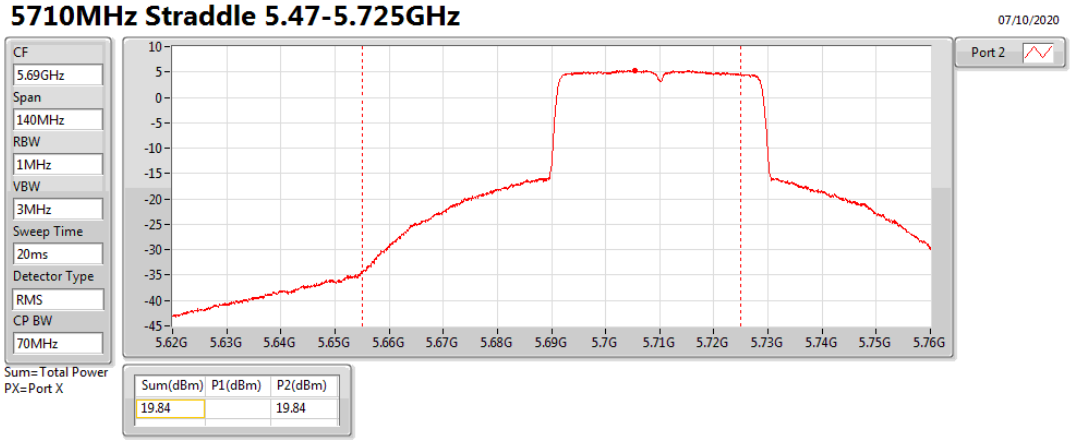
802.11ax HEW20_Nss1,(MCS0)_1TX **AV Power**

5720MHz Straddle 5.725-5.85GHz



802.11ax HEW40_Nss1,(MCS0)_1TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

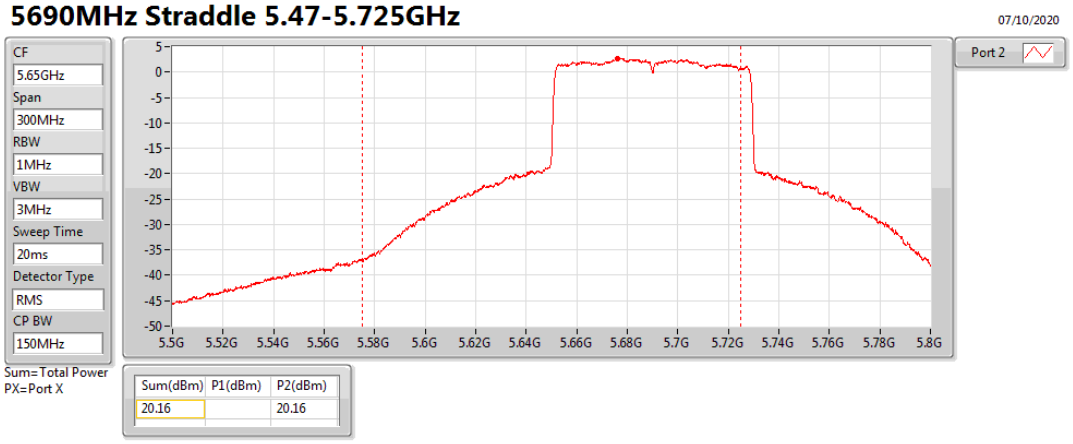


802.11ax HEW40_Nss1,(MCS0)_1TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

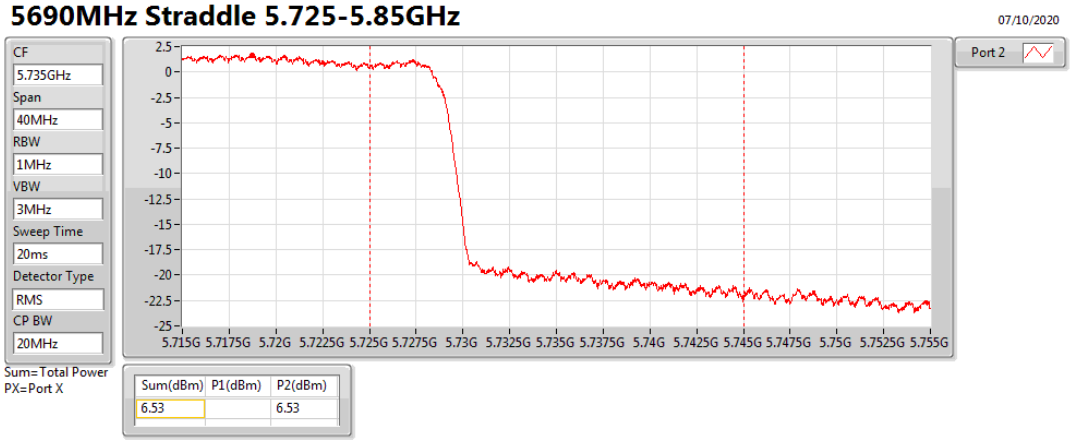
802.11ax HEW80_Nss1,(MCS0)_1TX **AV Power**

5690MHz Straddle 5.47-5.725GHz



802.11ax HEW80_Nss1,(MCS0)_1TX **AV Power**

5690MHz Straddle 5.725-5.85GHz



For non beamforming mode 2TX
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.21	0.10495
802.11ax HEW20_Nss1,(MCS0)_2TX	20.95	0.12445
802.11ax HEW40_Nss1,(MCS0)_2TX	22.16	0.16444
802.11ax HEW80_Nss1,(MCS0)_2TX	19.04	0.08017
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.06	0.10139
802.11ax HEW20_Nss1,(MCS0)_2TX	20.70	0.11749
802.11ax HEW40_Nss1,(MCS0)_2TX	23.27	0.21232
802.11ax HEW80_Nss1,(MCS0)_2TX	23.17	0.20749
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	12.99	0.01991
802.11ax HEW20_Nss1,(MCS0)_2TX	14.69	0.02944
802.11ax HEW40_Nss1,(MCS0)_2TX	13.49	0.02234
802.11ax HEW80_Nss1,(MCS0)_2TX	9.78	0.00951

Result

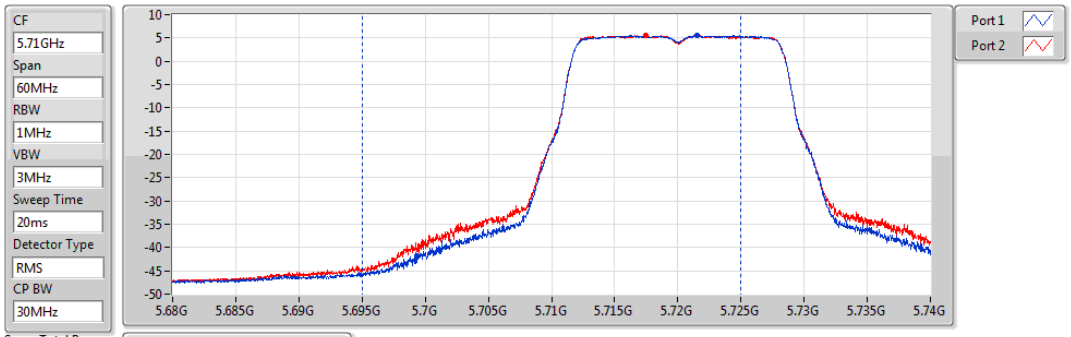
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	
5260MHz	Pass	6.60	17.19	17.09	20.15	23.38	16.5
5300MHz	Pass	6.60	17.18	17.21	20.21	23.38	16.75
5320MHz	Pass	6.60	17.07	16.96	20.03	23.38	16.75
5500MHz	Pass	6.60	15.67	15.6	18.65	23.38	14.5
5580MHz	Pass	6.60	17.16	16.93	20.06	23.38	16.25
5700MHz	Pass	6.60	15.69	15.79	18.75	23.38	15.25
5720MHz Straddle 5.47-5.725GHz	Pass	6.60	16.07	16.05	19.07	22.32	16.5
5720MHz Straddle 5.725-5.85GHz	Pass	6.60	10.09	9.86	12.99	29.40	16.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5260MHz	Pass	6.60	17.99	17.88	20.95	23.38	17
5300MHz	Pass	6.60	17.58	17.69	20.65	23.38	17
5320MHz	Pass	6.60	16.51	16.49	19.51	23.38	15.75
5500MHz	Pass	6.60	16.2	16.37	19.30	23.38	15
5580MHz	Pass	6.60	17.85	17.53	20.70	23.38	16.5
5700MHz	Pass	6.60	13.28	13.21	16.26	23.38	12.25
5720MHz Straddle 5.47-5.725GHz	Pass	6.60	16.83	16.71	19.78	22.35	17
5720MHz Straddle 5.725-5.85GHz	Pass	6.60	11.75	11.61	14.69	29.40	17
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5270MHz	Pass	6.60	19.14	19.16	22.16	23.38	18.5
5310MHz	Pass	6.60	15.7	15.46	18.59	23.38	14.75
5510MHz	Pass	6.60	14.69	14.73	17.72	23.38	13.25
5550MHz	Pass	6.60	19.51	19.4	22.47	23.38	18.25
5670MHz	Pass	6.60	17.19	17.06	20.14	23.38	16.5
5710MHz Straddle 5.47-5.725GHz	Pass	6.60	20.45	20.06	23.27	23.38	20
5710MHz Straddle 5.725-5.85GHz	Pass	6.60	10.73	10.21	13.49	29.40	20
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5290MHz	Pass	6.60	16.12	15.93	19.04	23.38	15.25
5530MHz	Pass	6.60	15.37	15.44	18.42	23.38	14.25
5610MHz	Pass	6.60	18.2	18.29	21.26	23.38	17.75
5690MHz Straddle 5.47-5.725GHz	Pass	6.60	20.24	20.07	23.17	23.38	19.75
5690MHz Straddle 5.725-5.85GHz	Pass	6.60	7.13	6.37	9.78	29.40	19.75

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

802.11a_Nss1,(6Mbps)_2TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

07/10/2020

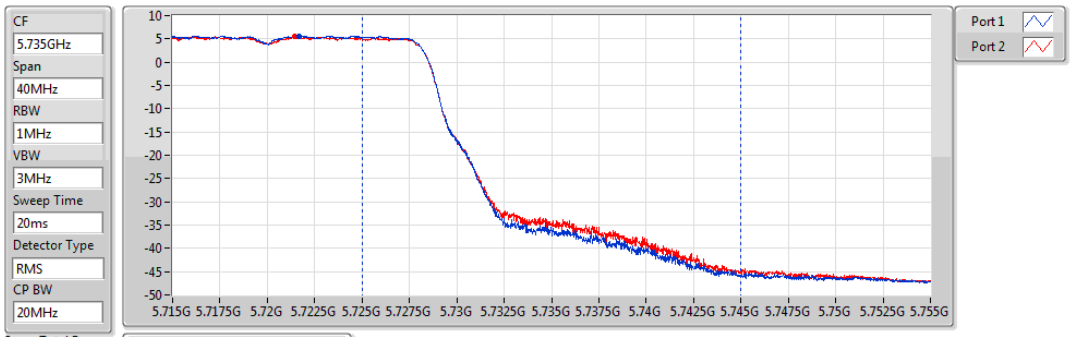


Sum(dBm)	P1(dBm)	P2(dBm)
19.07	16.07	16.05

802.11a_Nss1,(6Mbps)_2TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

07/10/2020

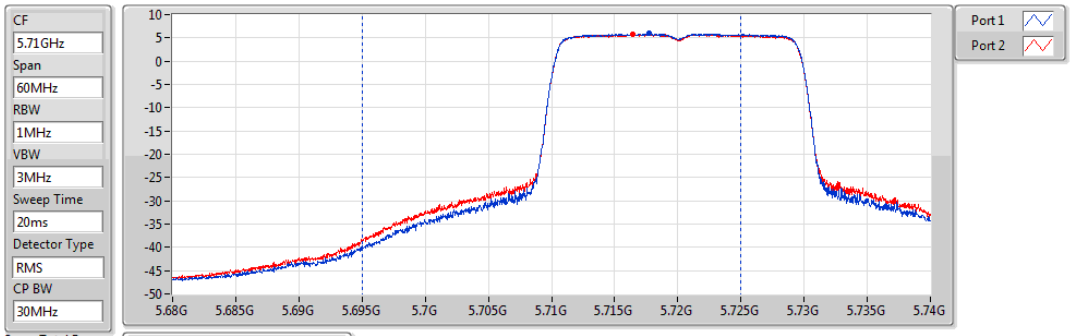


Sum(dBm)	P1(dBm)	P2(dBm)
12.99	10.09	9.86

802.11ax HEW20_Nss1,(MCS0)_2TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

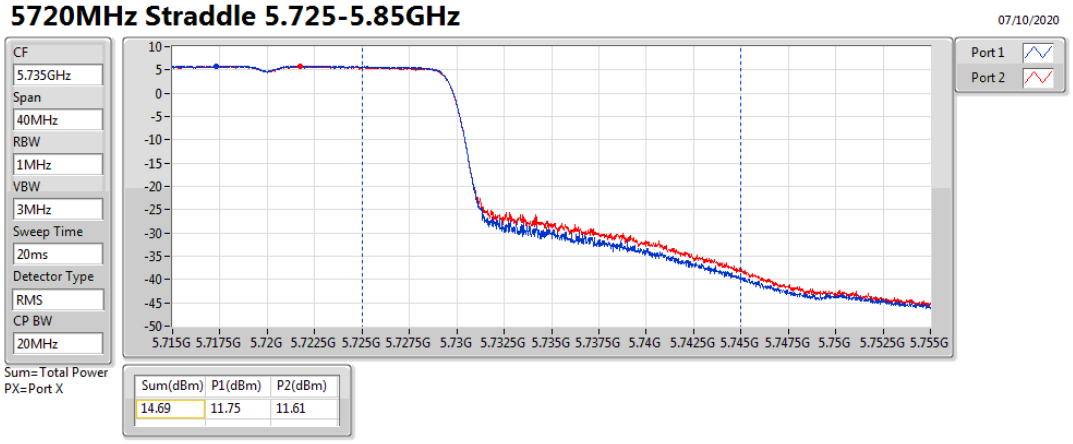
07/10/2020



Sum(dBm)	P1(dBm)	P2(dBm)
19.78	16.83	16.71

802.11ax HEW20_Nss1,(MCS0)_2TX **AV Power**

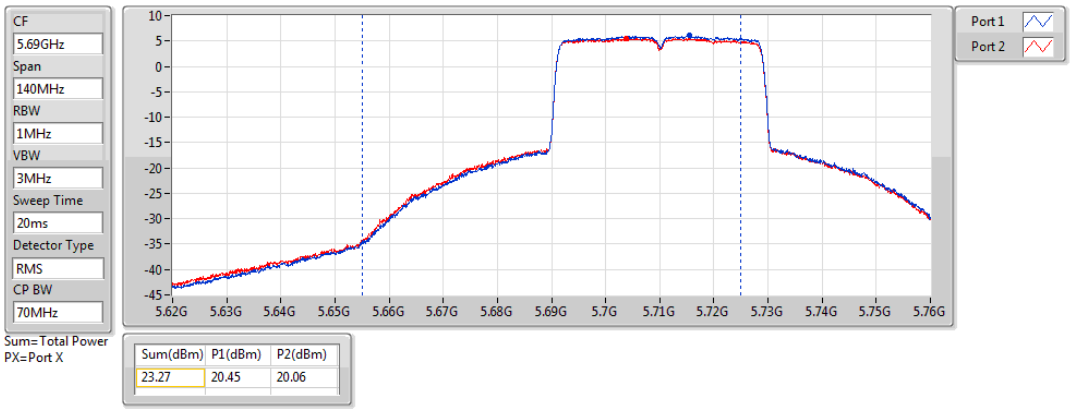
5720MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)
14.69	11.75	11.61

802.11ax HEW40_Nss1,(MCS0)_2TX **AV Power**

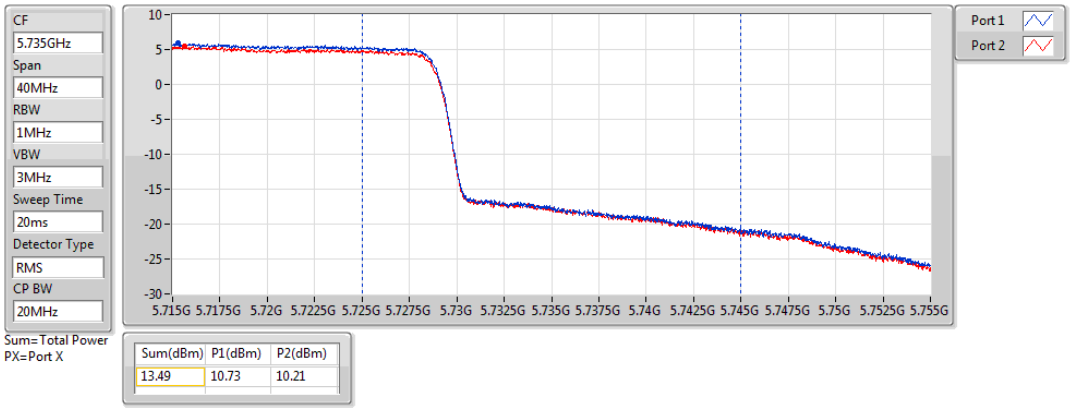
5710MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)
23.27	20.45	20.06

802.11ax HEW40_Nss1,(MCS0)_2TX **AV Power**

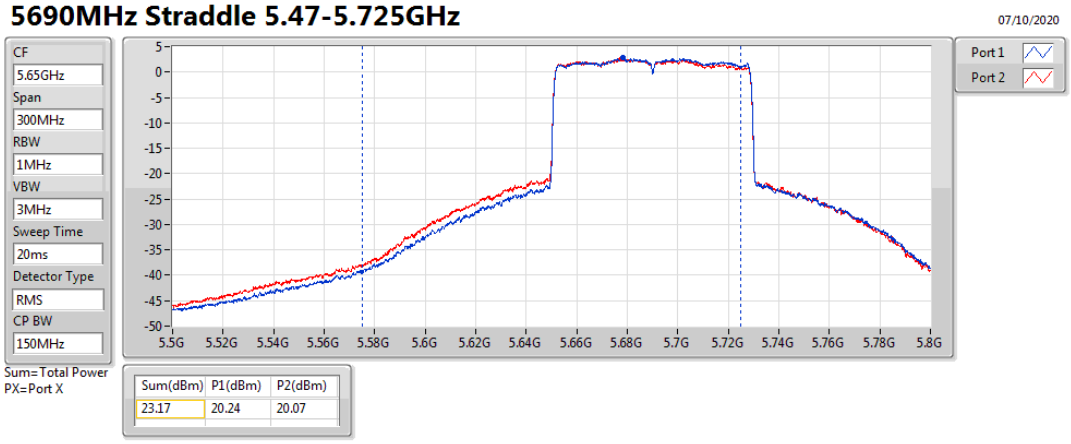
5710MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)
13.49	10.73	10.21

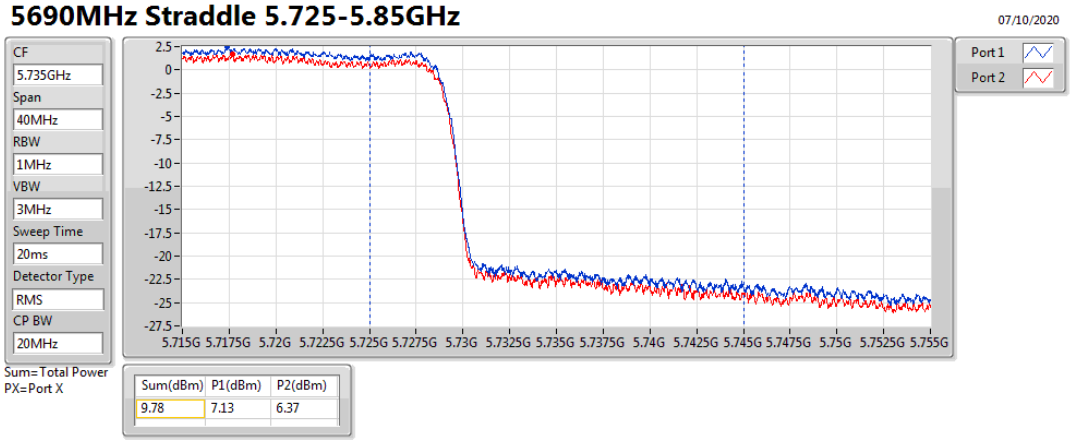
802.11ax HEW80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.47-5.725GHz



802.11ax HEW80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.725-5.85GHz



For beamforming mode 2TX
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.33	0.10789
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.35	0.10839
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	17.53	0.05662
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.26	0.10617
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.25	0.10593
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	20.28	0.10666
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	14.05	0.02541
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	10.55	0.01135
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	6.74	0.00472

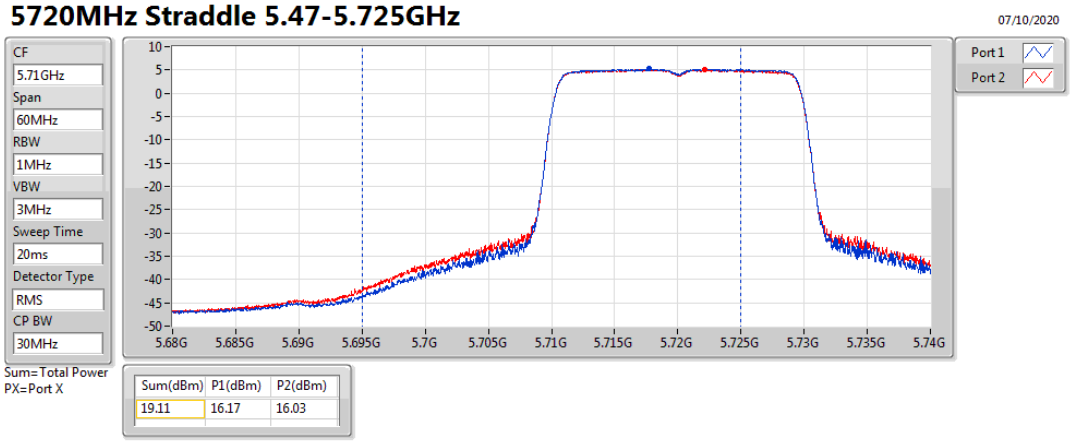
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5260MHz	Pass	9.61	17.21	17.08	20.16	20.37	16.25
5300MHz	Pass	9.61	17.20	17.44	20.33	20.37	16.5
5320MHz	Pass	9.61	16.51	16.49	19.51	20.37	15.75
5500MHz	Pass	9.61	15.89	15.96	18.94	20.37	14.5
5580MHz	Pass	9.61	17.38	17.11	20.26	20.37	16
5700MHz	Pass	9.61	13.28	13.21	16.26	20.37	12.25
5720MHz Straddle 5.47-5.725GHz	Pass	9.61	16.17	16.03	19.11	19.29	16
5720MHz Straddle 5.725-5.85GHz	Pass	9.61	11.13	10.95	14.05	26.39	16
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5270MHz	Pass	9.61	17.29	17.38	20.35	20.37	16.25
5310MHz	Pass	9.61	15.31	15.26	18.30	20.37	14.5
5510MHz	Pass	9.61	14.69	14.73	17.72	20.37	13.25
5550MHz	Pass	9.61	17.36	17.03	20.21	20.37	16
5670MHz	Pass	9.61	16.82	16.40	19.63	20.37	16
5710MHz Straddle 5.47-5.725GHz	Pass	9.61	17.40	17.08	20.25	20.37	16.5
5710MHz Straddle 5.725-5.85GHz	Pass	9.61	7.79	7.28	10.55	26.39	16.5
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5290MHz	Pass	9.61	14.50	14.54	17.53	20.37	13.75
5530MHz	Pass	9.61	14.41	14.29	17.36	20.37	13.25
5610MHz	Pass	9.61	17.18	17.16	20.18	20.37	16.75
5690MHz Straddle 5.47-5.725GHz	Pass	9.61	17.31	17.22	20.28	20.37	16.75
5690MHz Straddle 5.725-5.85GHz	Pass	9.61	3.91	3.55	6.74	26.39	16.75

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

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **AV Power**

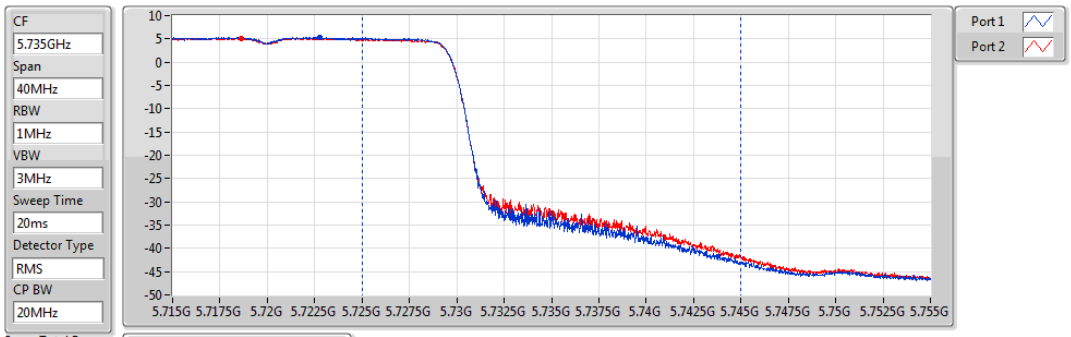
5720MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)
19.11	16.17	16.03

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **AV Power**

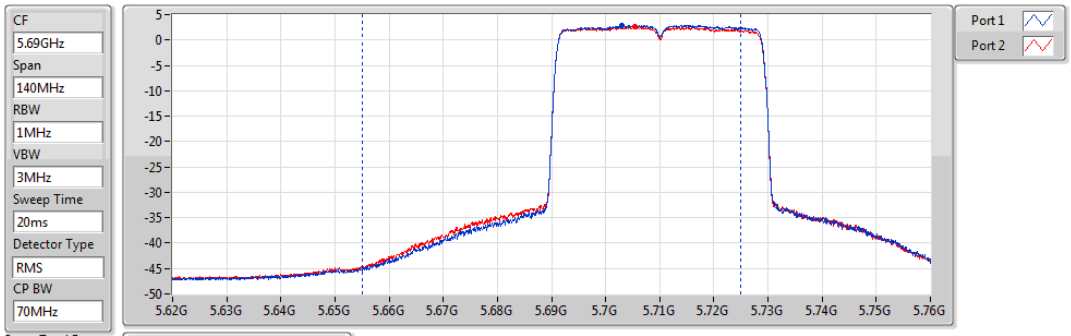
5720MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)
14.05	11.13	10.95

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **AV Power**

5710MHz Straddle 5.47-5.725GHz

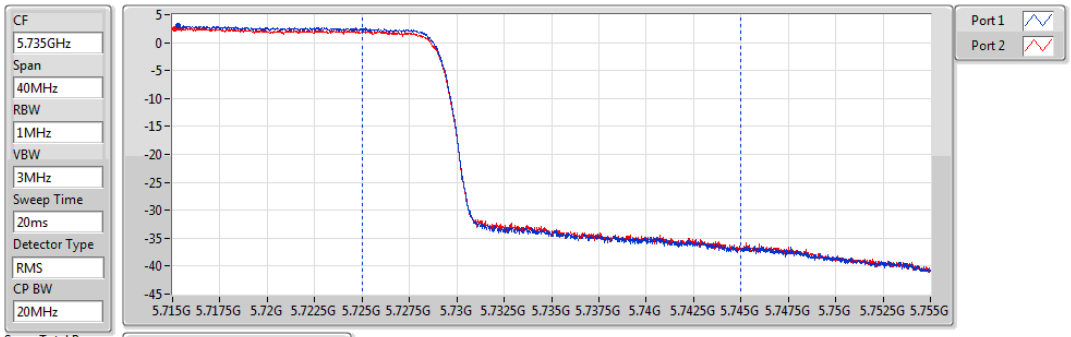


Sum(dBm)	P1(dBm)	P2(dBm)
20.25	17.40	17.08

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **AV Power**

5710MHz Straddle 5.725-5.85GHz

07/10/2020

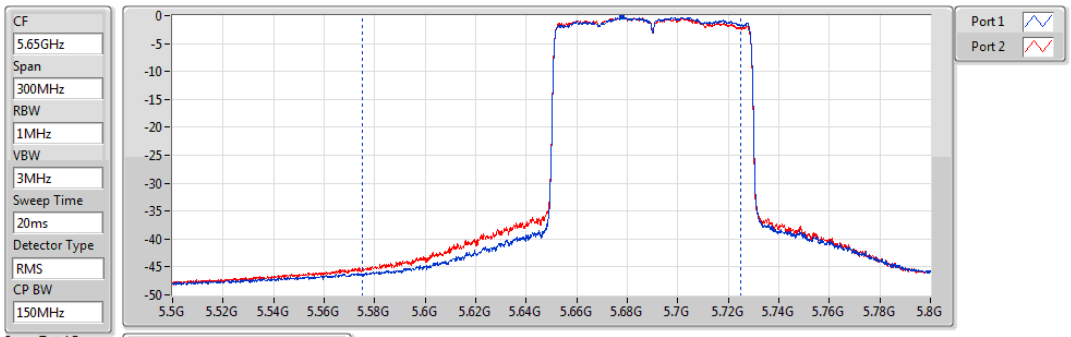


Sum(dBm)	P1(dBm)	P2(dBm)
10.55	7.79	7.28

802.11ax HEW80-BF_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

07/10/2020

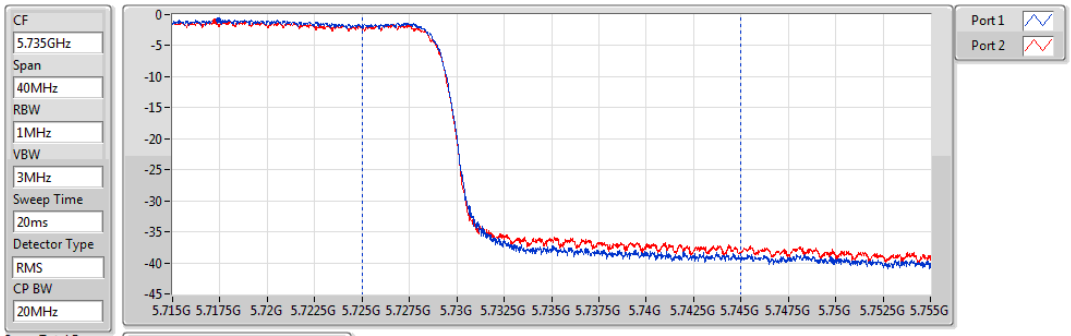


Sum(dBm)	P1(dBm)	P2(dBm)
20.28	17.31	17.22

802.11ax HEW80-BF_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

07/10/2020



Sum(dBm)	P1(dBm)	P2(dBm)
6.74	3.91	3.55

For Dual Band Radio
For non beamforming mode 1TX
Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.41
802.11ax HEW20_Nss1,(MCS0)_1TX	5.65
802.11ax HEW40_Nss1,(MCS0)_1TX	2.88
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.12

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

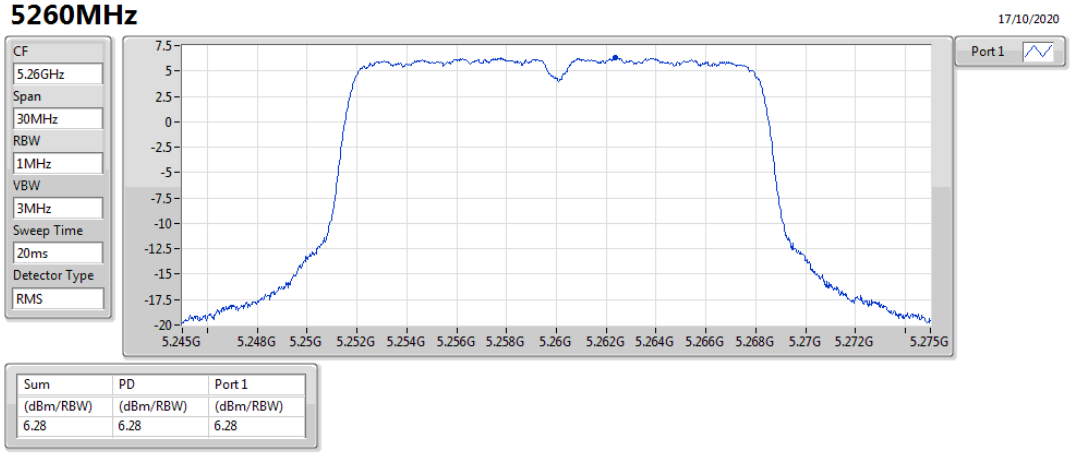
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5260MHz	Pass	6.00	6.28	6.28	11.00
5300MHz	Pass	6.00	6.41	6.41	11.00
5320MHz	Pass	6.00	5.35	5.35	11.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5260MHz	Pass	6.00	5.57	5.57	11.00
5300MHz	Pass	6.00	5.65	5.65	11.00
5320MHz	Pass	6.00	3.85	3.85	11.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5270MHz	Pass	6.00	2.88	2.88	11.00
5310MHz	Pass	6.00	0.02	0.02	11.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5290MHz	Pass	6.00	-3.12	-3.12	11.00

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

802.11a_Nss1,(6Mbps)_1TX PSD

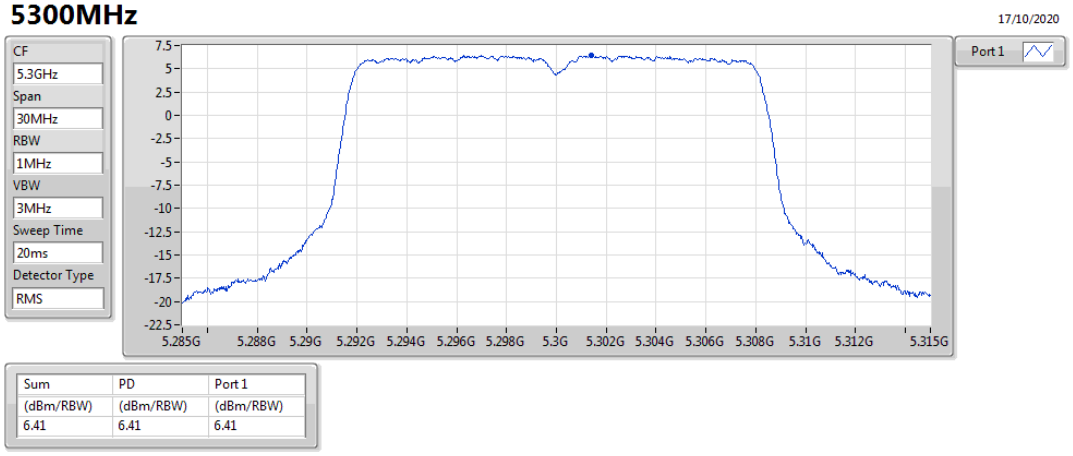
5260MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.28	6.28	6.28

802.11a_Nss1,(6Mbps)_1TX PSD

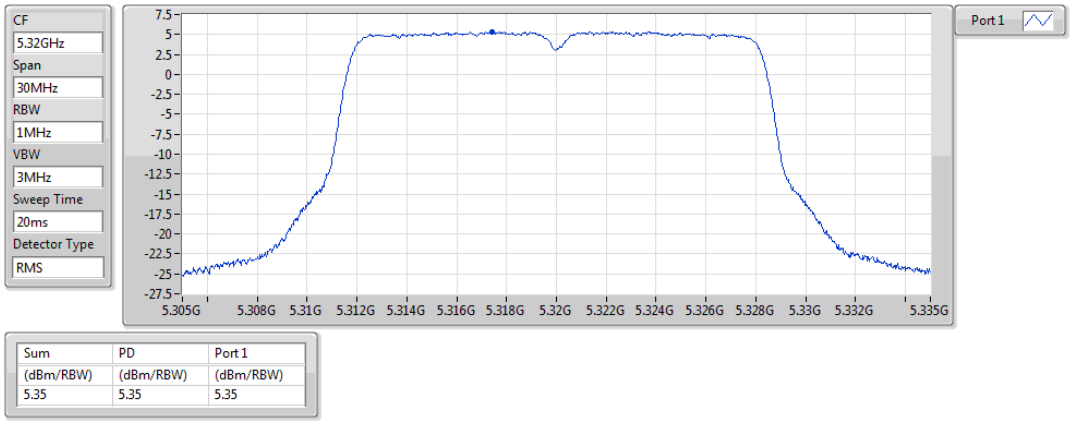
5300MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.41	6.41	6.41

802.11a_Nss1,(6Mbps)_1TX PSD

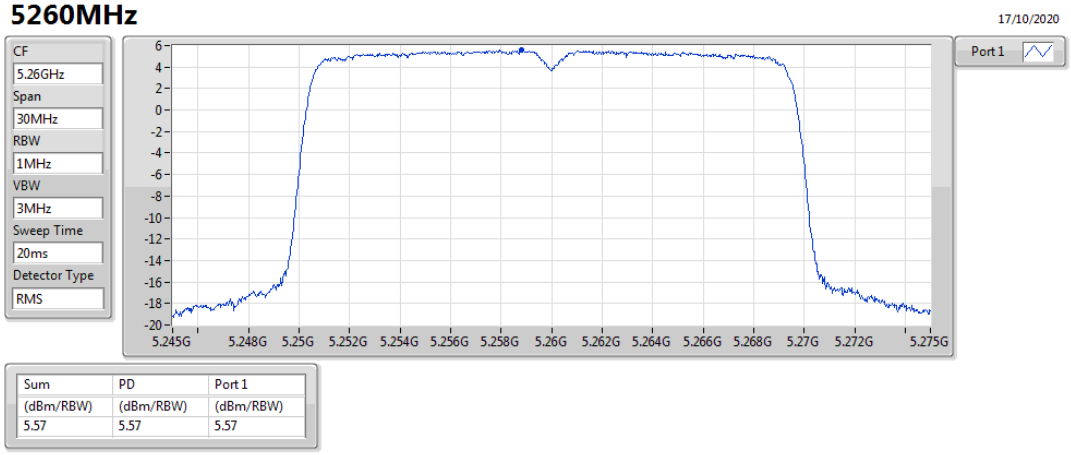
5320MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.35	5.35	5.35

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

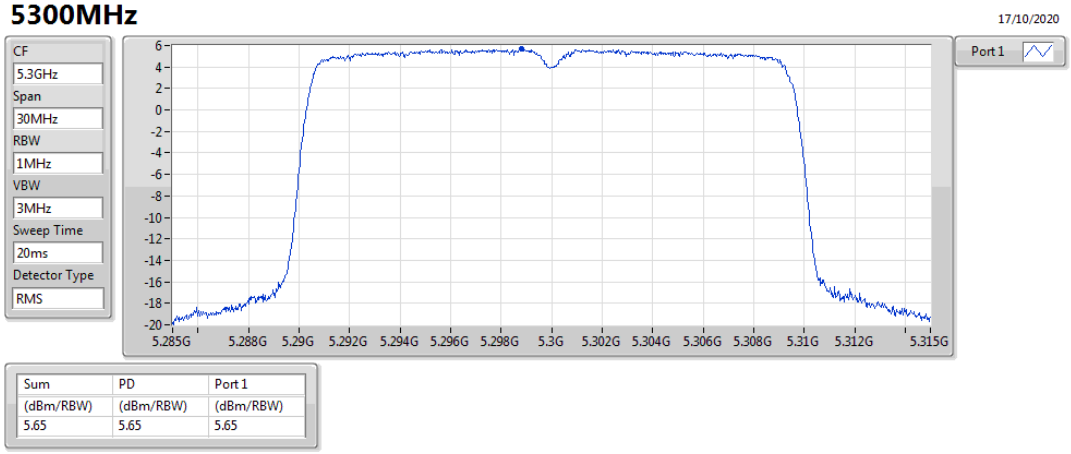
5260MHz



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

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

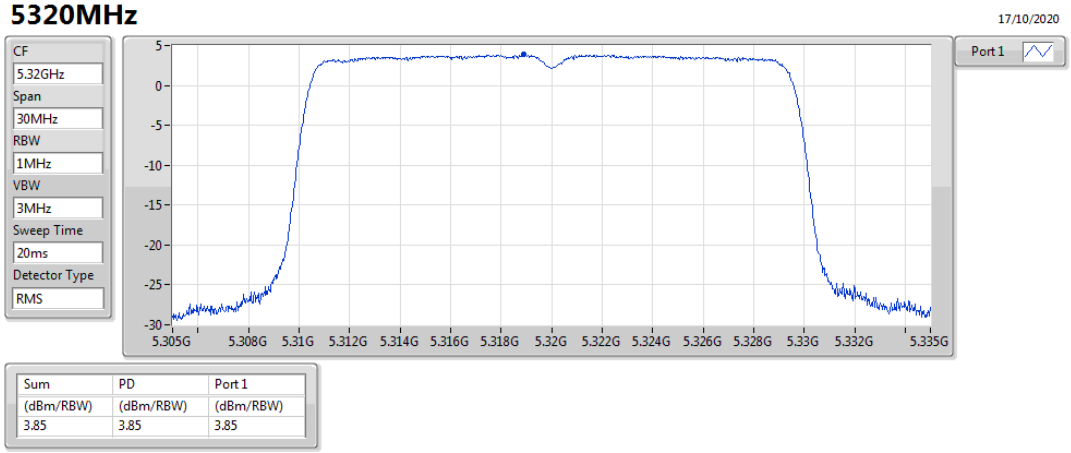
5300MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.65	5.65	5.65

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

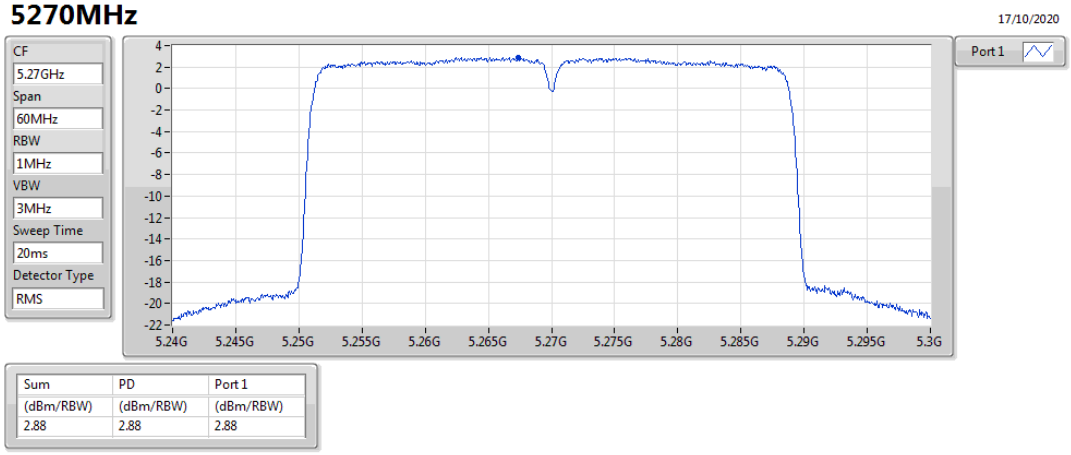
5320MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.85	3.85	3.85

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

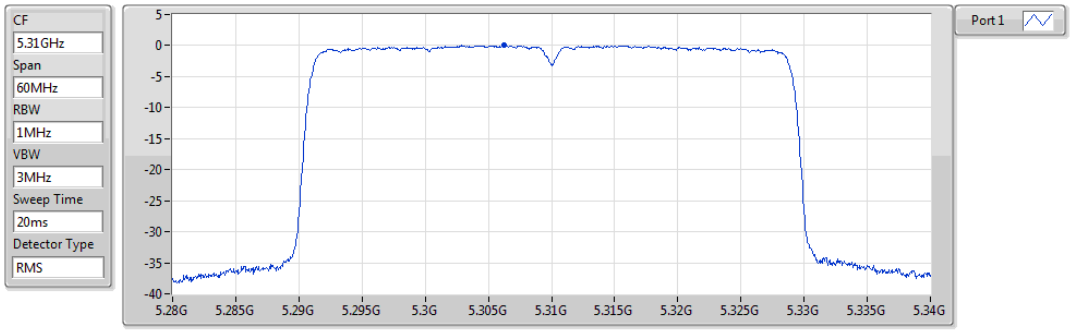
5270MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.88	2.88	2.88

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

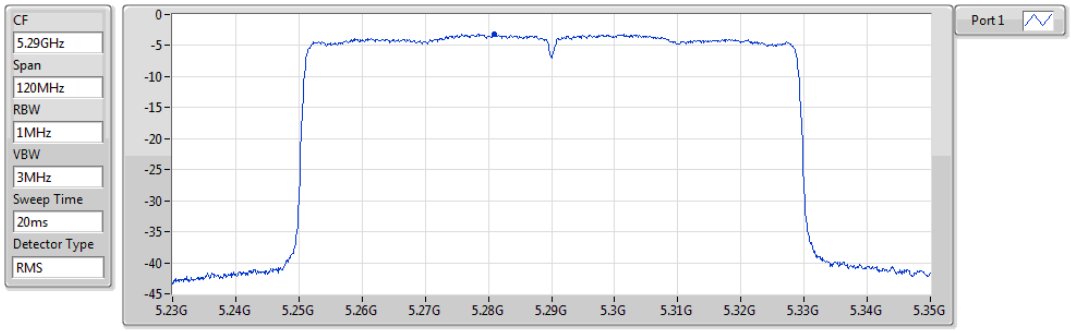
5310MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.02	0.02	0.02

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

5290MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.12	-3.12	-3.12

For non beamforming mode 2TX
Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	7.89
802.11ax HEW20_Nss1,(MCS0)_2TX	7.85
802.11ax HEW40_Nss1,(MCS0)_2TX	5.76
802.11ax HEW80_Nss1,(MCS0)_2TX	-0.52

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

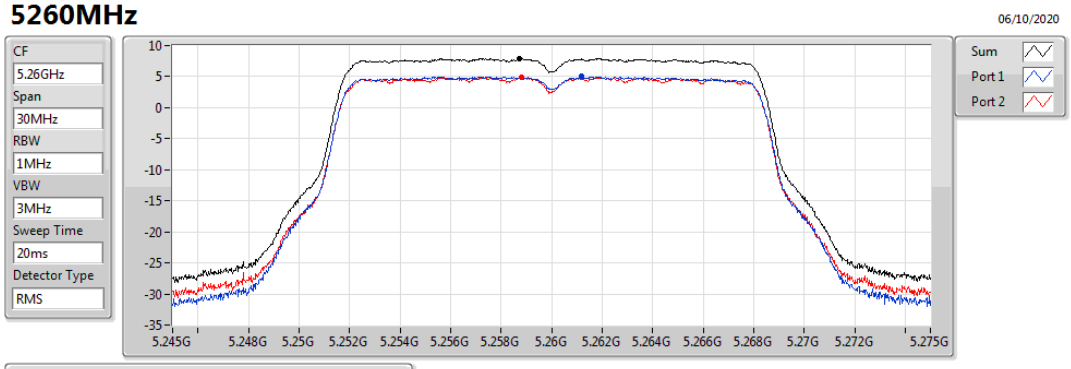
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	9.01	5.01	4.89	7.89	7.99
5300MHz	Pass	9.01	4.87	4.84	7.83	7.99
5320MHz	Pass	9.01	4.76	4.66	7.68	7.99
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	9.01	4.93	4.80	7.85	7.99
5300MHz	Pass	9.01	5.00	4.82	7.83	7.99
5320MHz	Pass	9.01	3.06	2.94	5.96	7.99
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	9.01	3.02	2.57	5.76	7.99
5310MHz	Pass	9.01	-0.98	-1.03	1.98	7.99
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	9.01	-3.47	-3.43	-0.52	7.99

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

802.11a_Nss1,(6Mbps)_2TX PSD

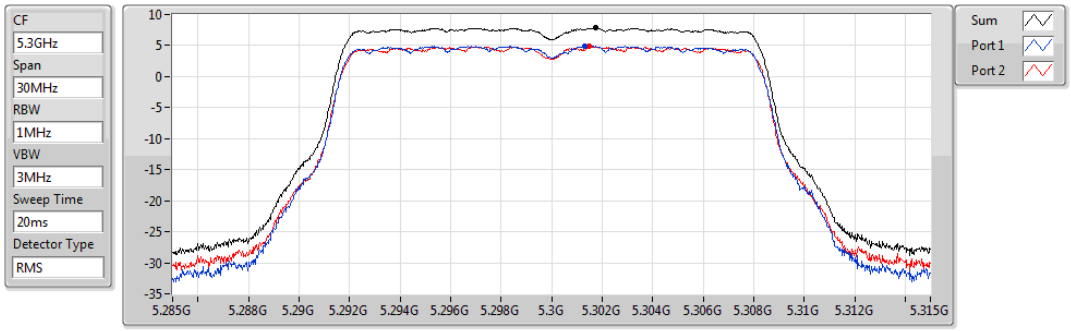
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.89	7.89	5.01	4.89

802.11a_Nss1,(6Mbps)_2TX PSD

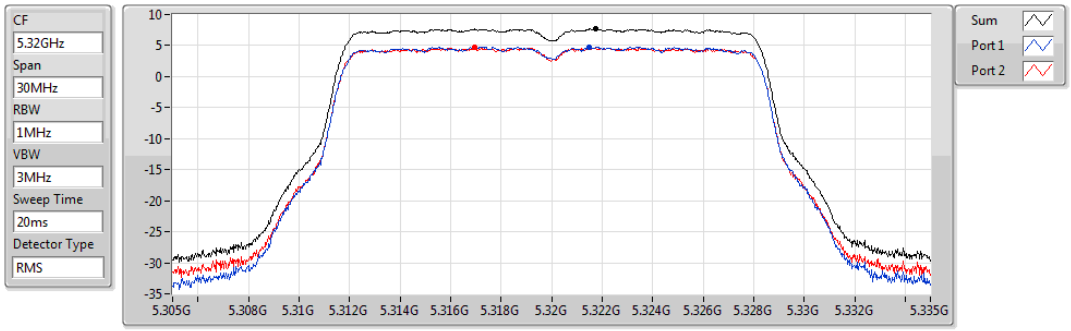
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.83	7.83	4.87	4.84

802.11a_Nss1,(6Mbps)_2TX PSD

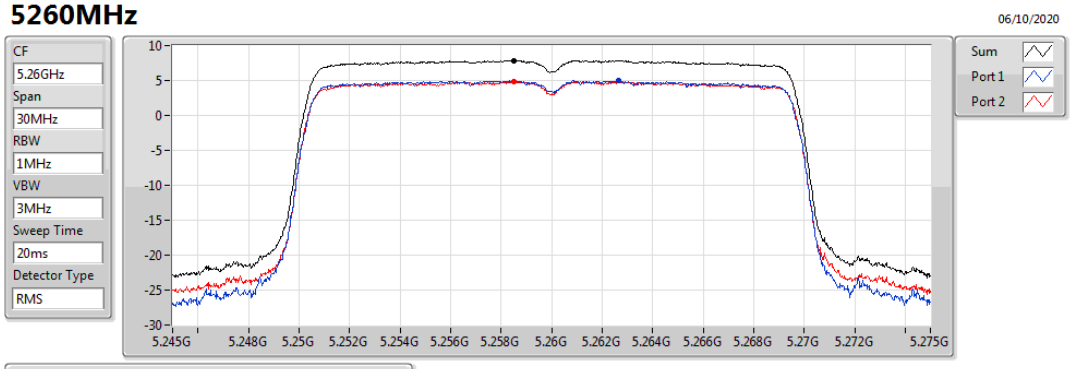
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.68	7.68	4.76	4.66

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

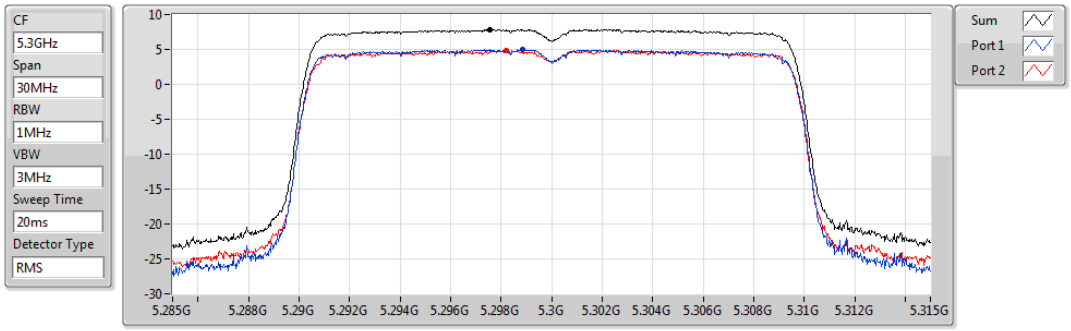
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.85	7.85	4.93	4.80

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

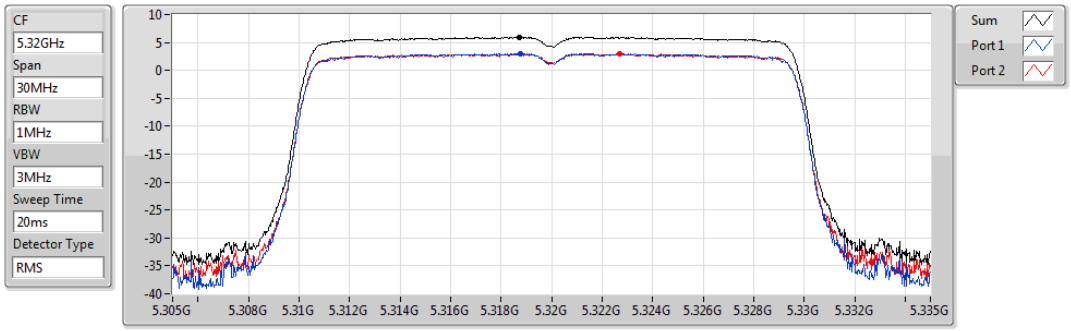
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.83	7.83	5.00	4.82

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

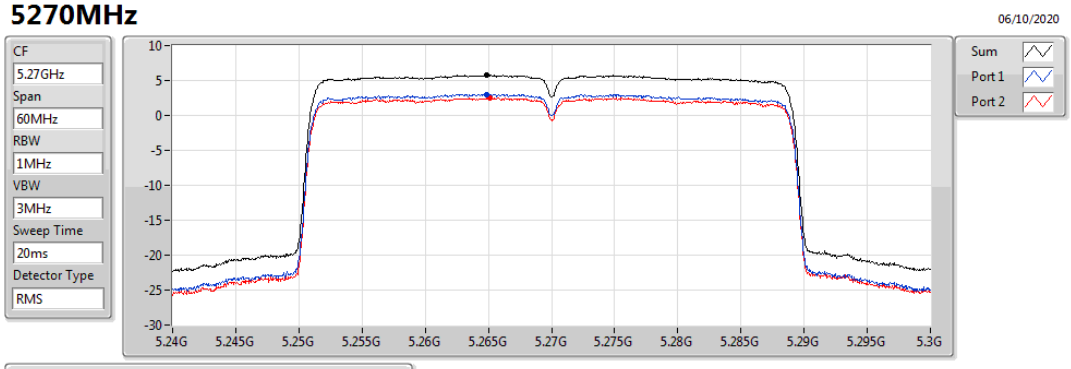
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.96	5.96	3.06	2.94

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

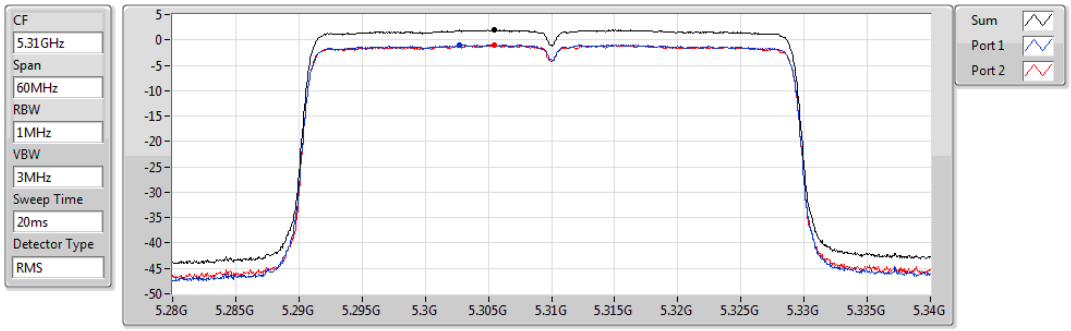
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.76	5.76	3.02	2.57

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

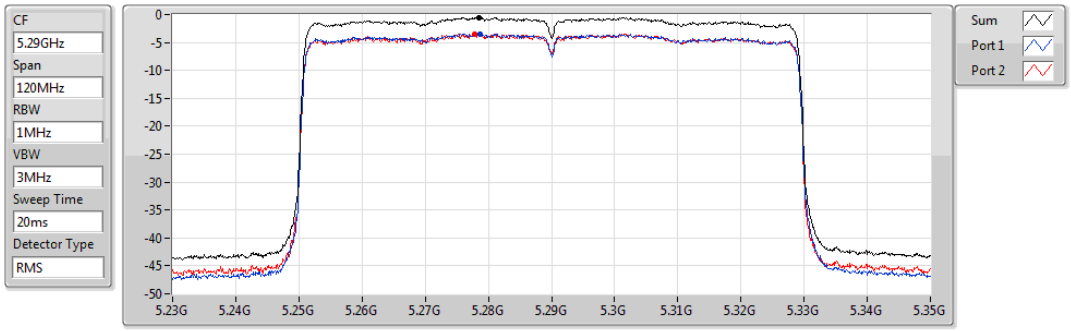
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.98	1.98	-0.98	-1.03

802.11ax HEW80_Nss1,(MCS0)_2TX PSD

5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.52	-0.52	-3.47	-3.43

For beamforming mode 2TX
Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	6.83
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	4.07
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-0.64

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

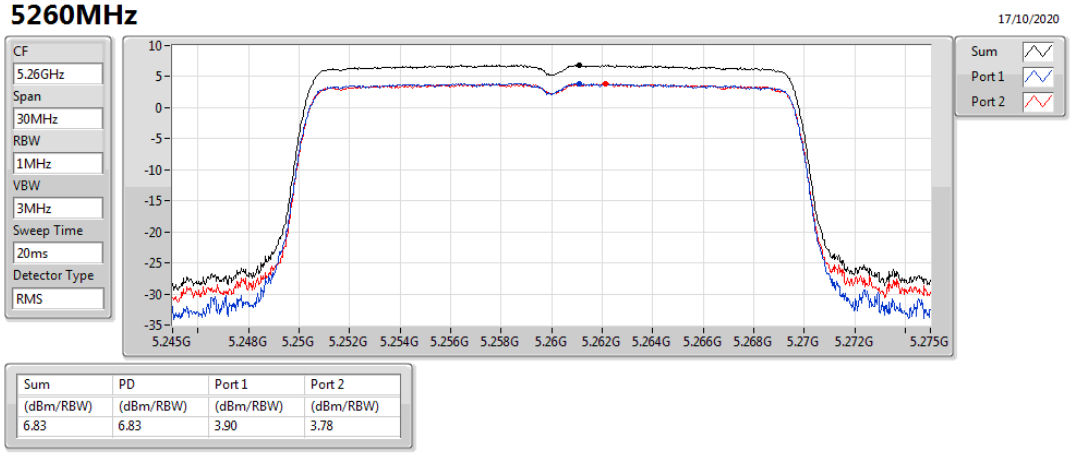
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	9.01	3.90	3.78	6.83	7.99
5300MHz	Pass	9.01	3.83	3.76	6.73	7.99
5320MHz	Pass	9.01	3.57	3.80	6.65	7.99
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	9.01	1.29	0.93	4.07	7.99
5310MHz	Pass	9.01	0.14	-0.08	3.04	7.99
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	9.01	-3.70	-3.54	-0.64	7.99

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

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

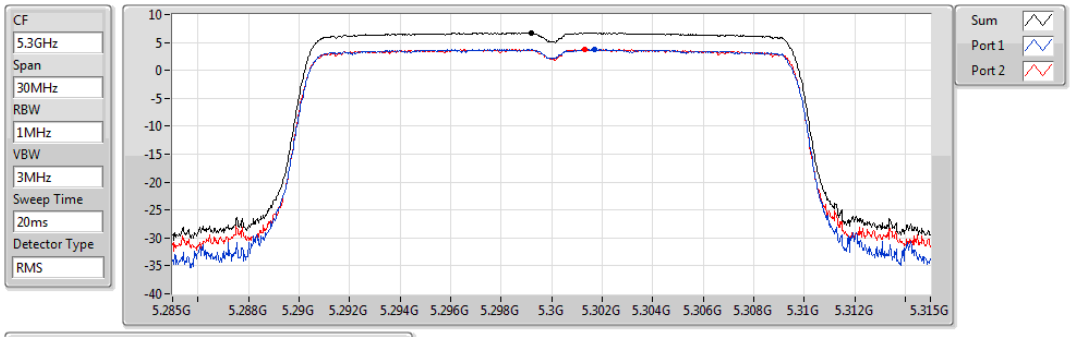
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.83	6.83	3.90	3.78

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

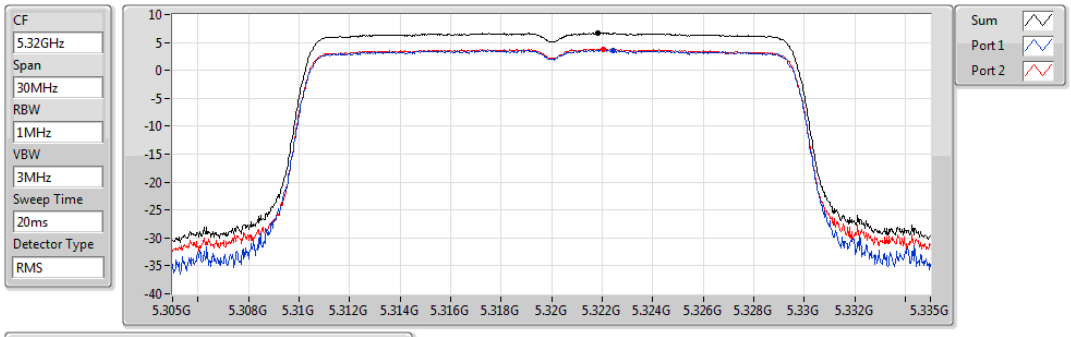
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.73	6.73	3.83	3.76

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

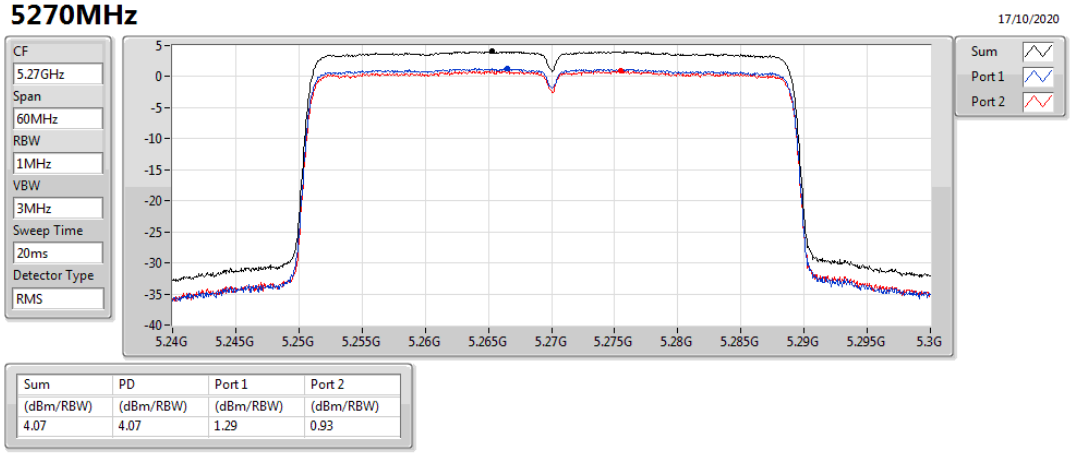
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.65	6.65	3.57	3.80

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

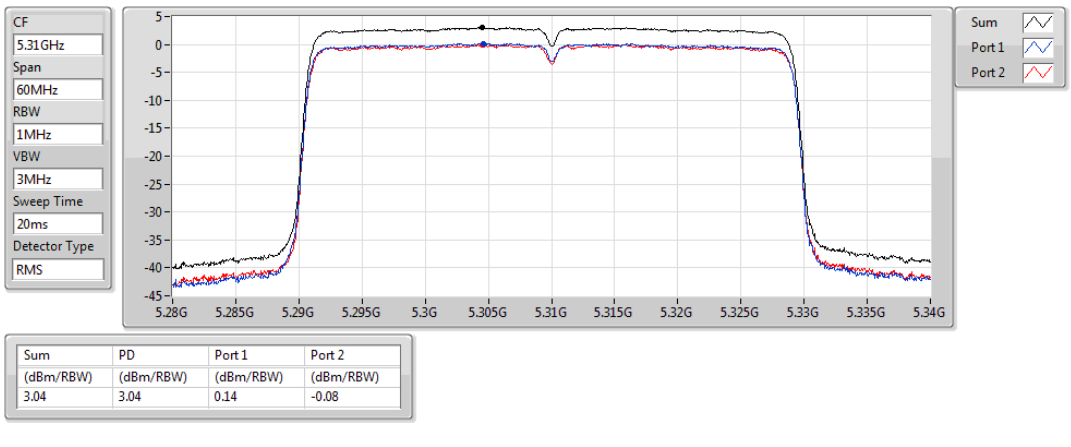
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.07	4.07	1.29	0.93

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

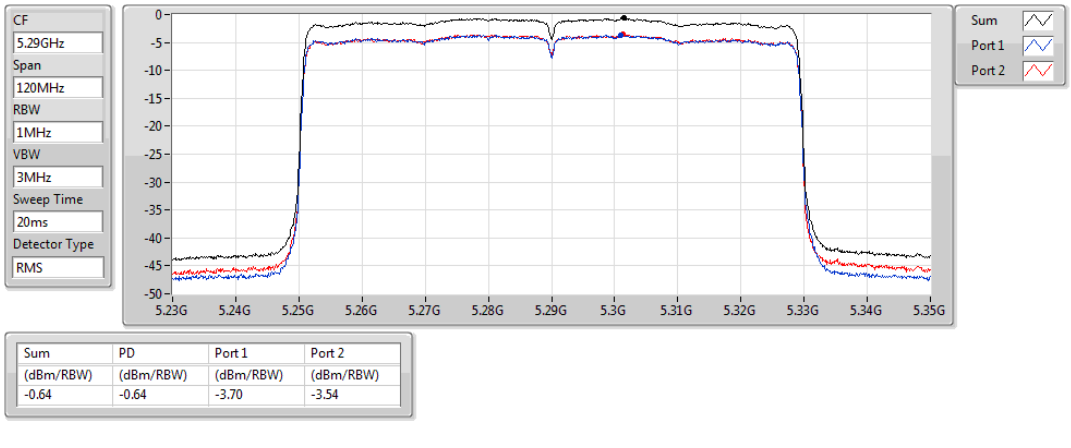
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.04	3.04	0.14	-0.08

802.11ax HEW80-BF_Nss1,(MCS0)_2TX PSD

5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.64	-0.64	-3.70	-3.54

For 5G Radio
For non beamforming mode 1TX
Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.94
802.11ax HEW20_Nss1,(MCS0)_1TX	6.13
802.11ax HEW40_Nss1,(MCS0)_1TX	2.93
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.15
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.23
802.11ax HEW20_Nss1,(MCS0)_1TX	6.59
802.11ax HEW40_Nss1,(MCS0)_1TX	3.79
802.11ax HEW80_Nss1,(MCS0)_1TX	1.09
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	5.00
802.11ax HEW20_Nss1,(MCS0)_1TX	3.95
802.11ax HEW40_Nss1,(MCS0)_1TX	1.60
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.66

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

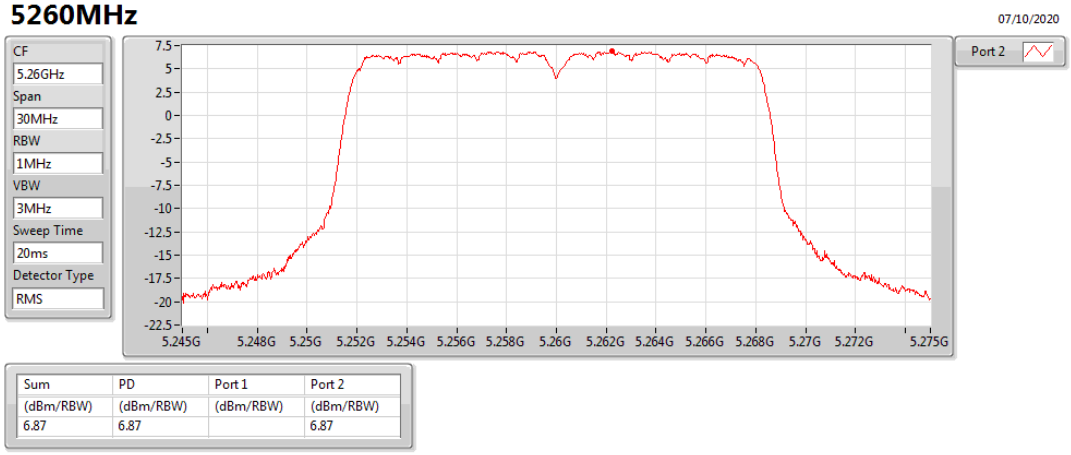
Result

Mode	Result	DG (dBi)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5260MHz	Pass	6.60	6.87	6.87	10.40
5300MHz	Pass	6.60	6.94	6.94	10.40
5320MHz	Pass	6.60	5.45	5.45	10.40
5500MHz	Pass	6.60	2.27	2.27	10.40
5580MHz	Pass	6.60	7.23	7.23	10.40
5700MHz	Pass	6.60	1.97	1.97	10.40
5720MHz Straddle 5.47-5.725GHz	Pass	6.60	6.69	6.69	10.40
5720MHz Straddle 5.725-5.85GHz	Pass	6.60	5.00	5.00	29.40
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5260MHz	Pass	6.60	6.13	6.13	10.40
5300MHz	Pass	6.60	6.11	6.11	10.40
5320MHz	Pass	6.60	3.71	3.71	10.40
5500MHz	Pass	6.60	2.20	2.20	10.40
5580MHz	Pass	6.60	6.59	6.59	10.40
5700MHz	Pass	6.60	-0.81	-0.81	10.40
5720MHz Straddle 5.47-5.725GHz	Pass	6.60	5.52	5.52	10.40
5720MHz Straddle 5.725-5.85GHz	Pass	6.60	3.95	3.95	29.40
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5270MHz	Pass	6.60	2.93	2.93	10.40
5310MHz	Pass	6.60	-0.44	-0.44	10.40
5510MHz	Pass	6.60	-1.44	-1.44	10.40
5550MHz	Pass	6.60	2.99	2.99	10.40
5670MHz	Pass	6.60	0.66	0.66	10.40
5710MHz Straddle 5.47-5.725GHz	Pass	6.60	3.79	3.79	10.40
5710MHz Straddle 5.725-5.85GHz	Pass	6.60	1.60	1.60	29.40
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5290MHz	Pass	6.60	-3.15	-3.15	10.40
5530MHz	Pass	6.60	-3.57	-3.57	10.40
5610MHz	Pass	6.60	-0.40	-0.40	10.40
5690MHz Straddle 5.47-5.725GHz	Pass	6.60	1.09	1.09	10.40
5690MHz Straddle 5.725-5.85GHz	Pass	6.60	-1.66	-1.66	29.40

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

802.11a_Nss1,(6Mbps)_1TX PSD

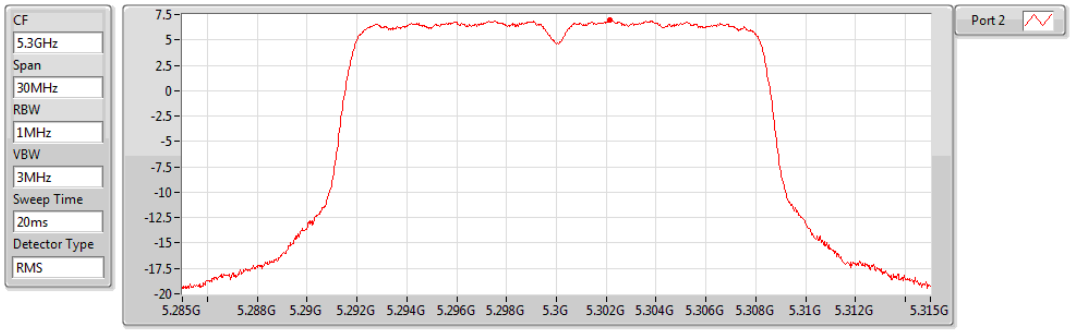
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.87	6.87		6.87

802.11a_Nss1,(6Mbps)_1TX PSD

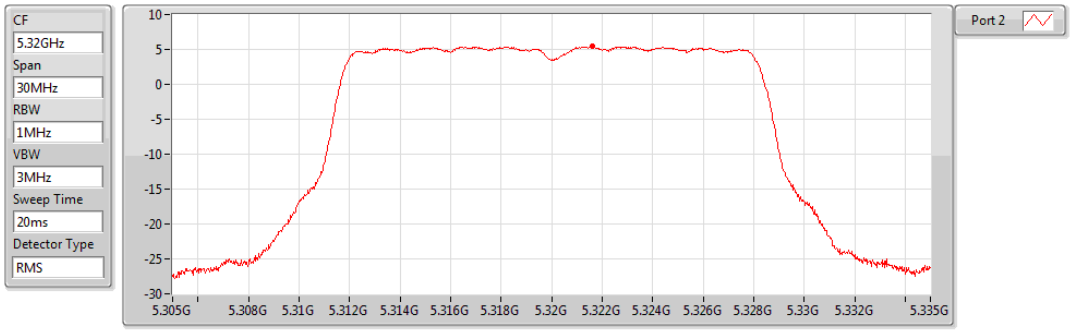
5300MHz



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

802.11a_Nss1,(6Mbps)_1TX PSD

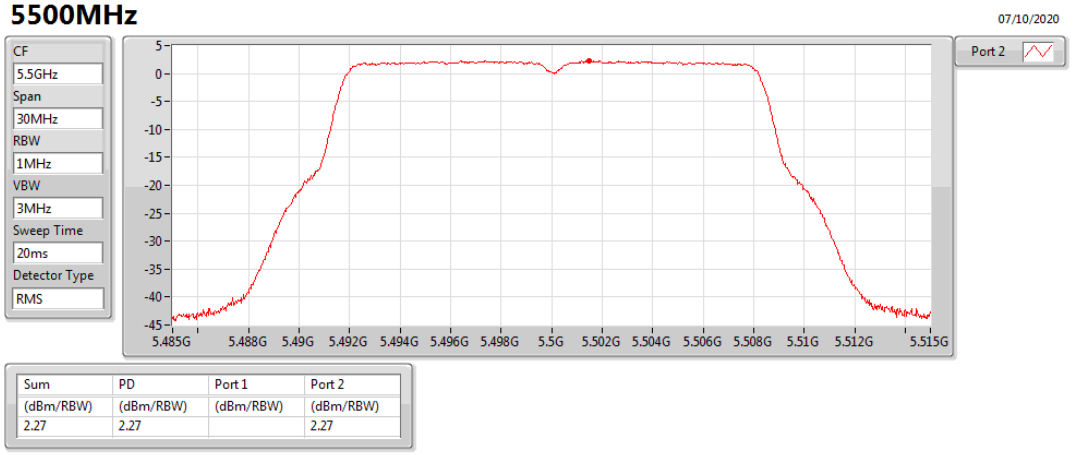
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.45	5.45		5.45

802.11a_Nss1,(6Mbps)_1TX PSD

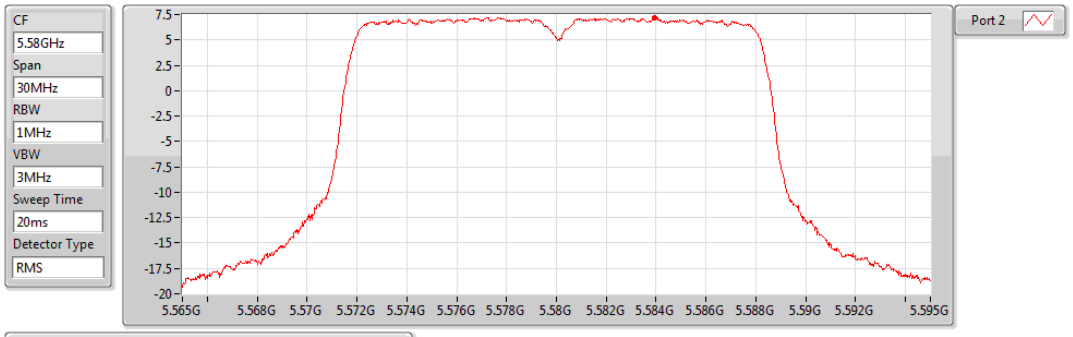
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.27	2.27		2.27

802.11a_Nss1,(6Mbps)_1TX PSD

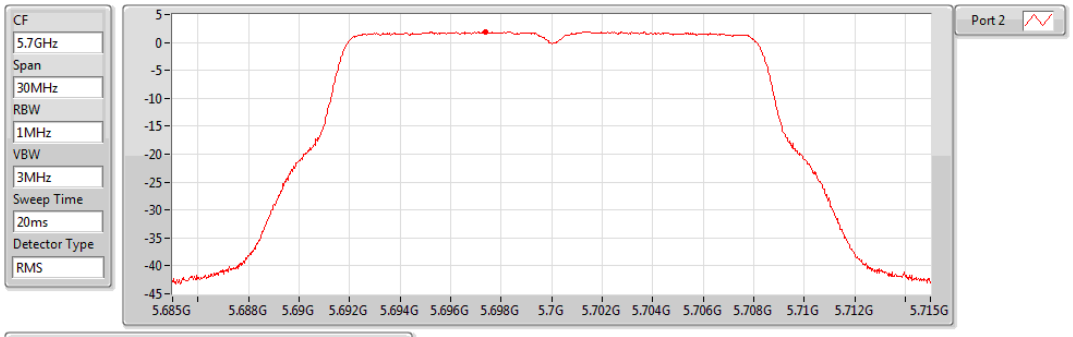
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.23	7.23		7.23

802.11a_Nss1,(6Mbps)_1TX PSD

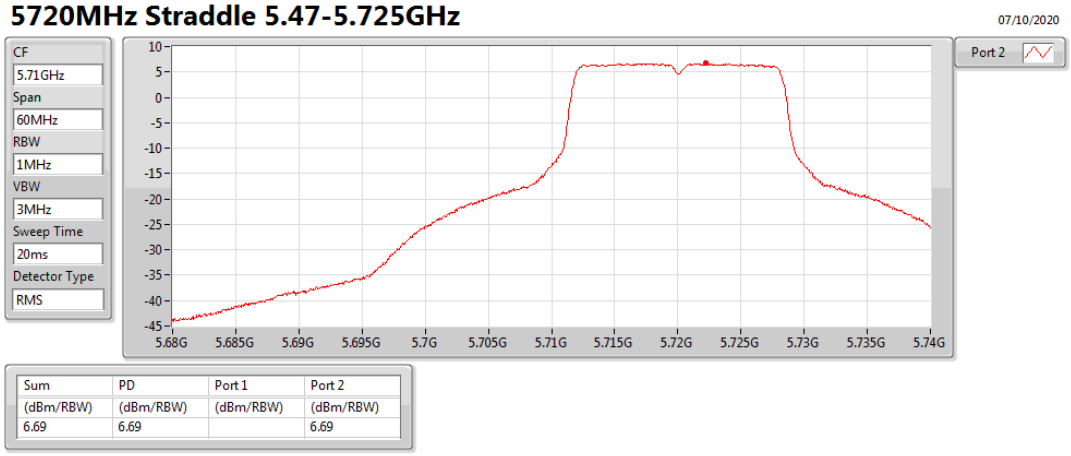
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.97	1.97		1.97

802.11a_Nss1,(6Mbps)_1TX PSD

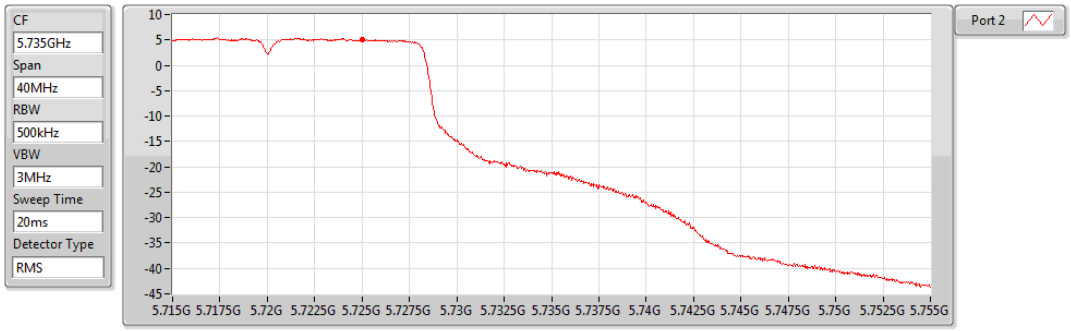
5720MHz Straddle 5.47-5.725GHz



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

802.11a_Nss1,(6Mbps)_1TX PSD

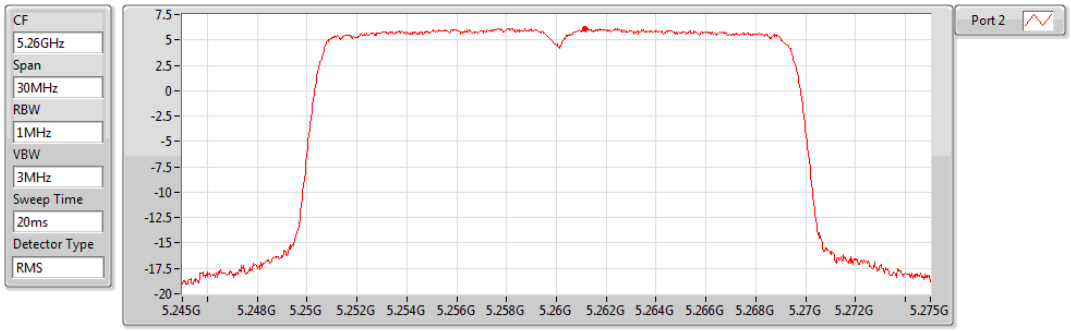
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.00	5.00		5.00

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

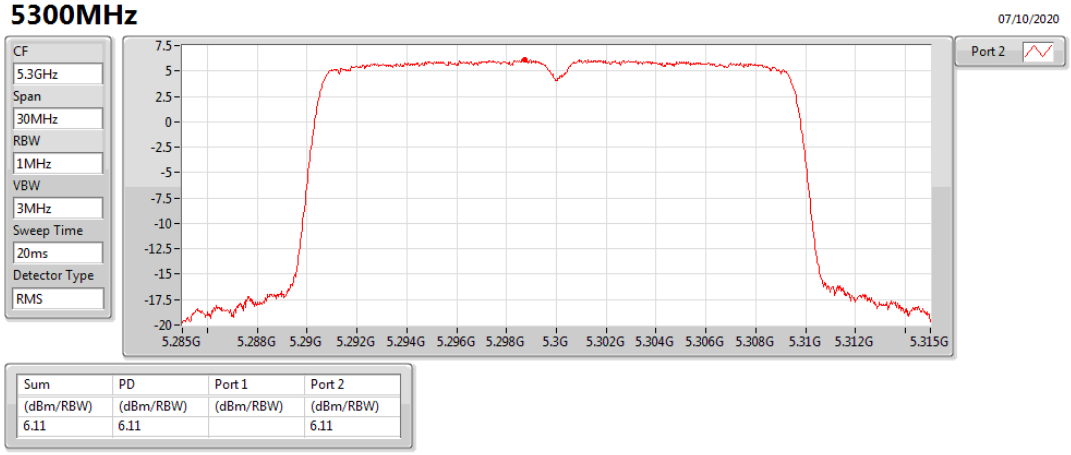
5260MHz



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

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

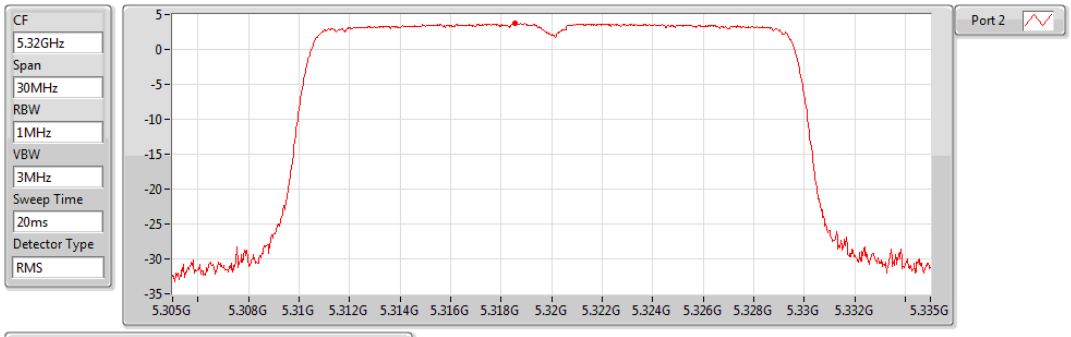
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.11	6.11		6.11

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

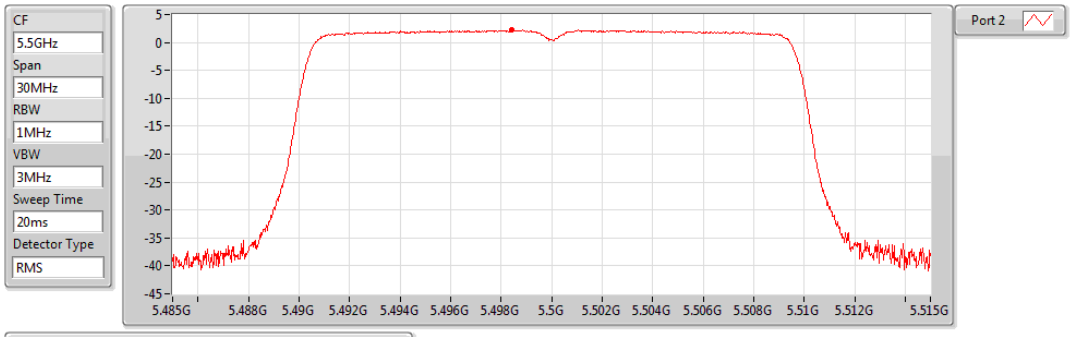
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.71	3.71		3.71

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

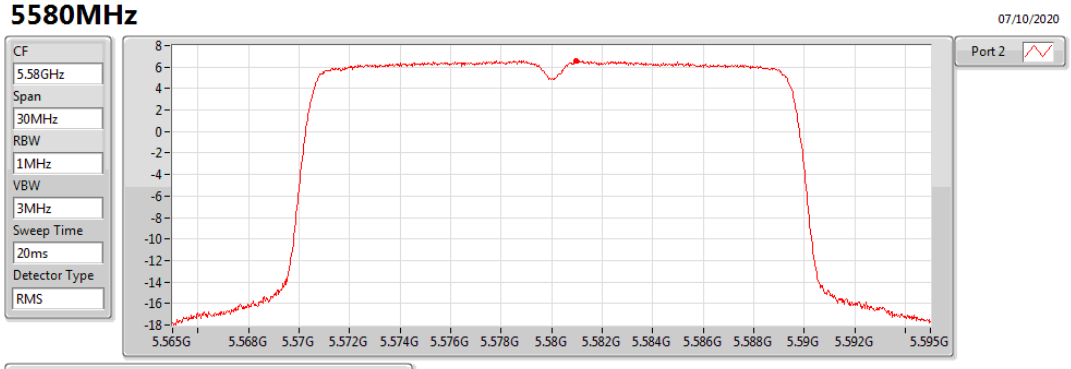
5500MHz



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

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

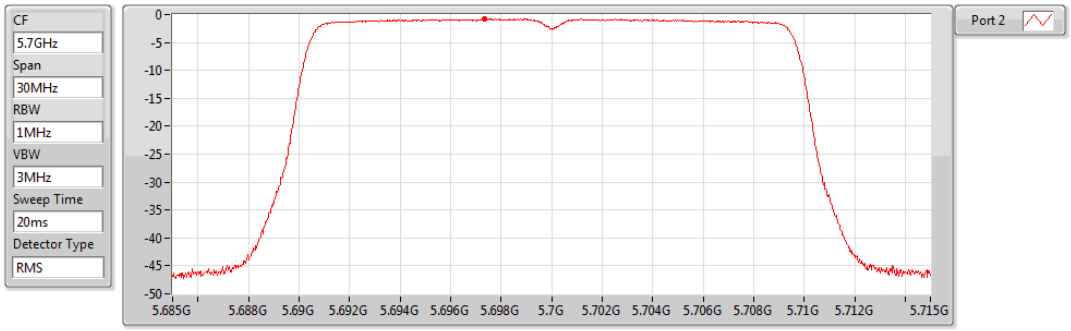
5580MHz



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

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

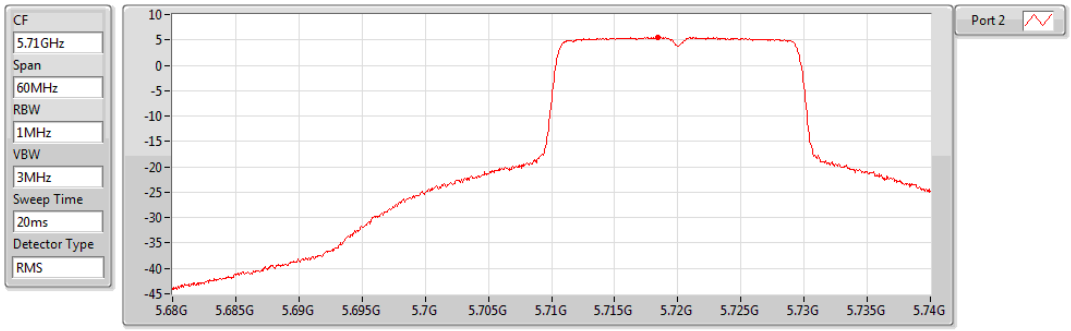
5700MHz



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

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

5720MHz Straddle 5.47-5.725GHz

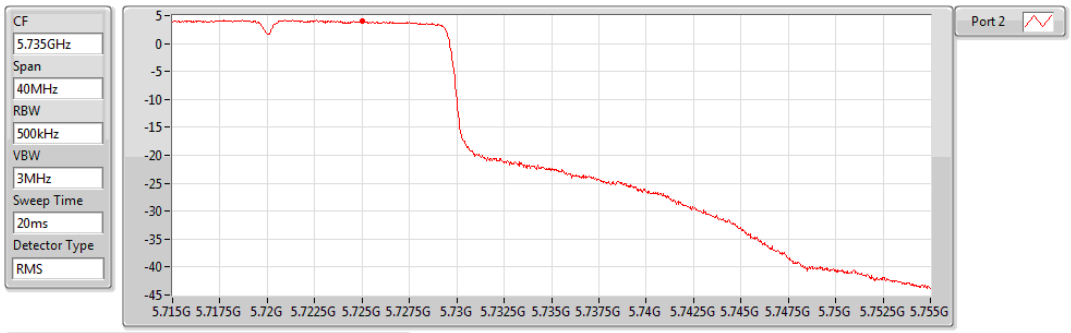


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.52	5.52		5.52

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

5720MHz Straddle 5.725-5.85GHz

07/10/2020

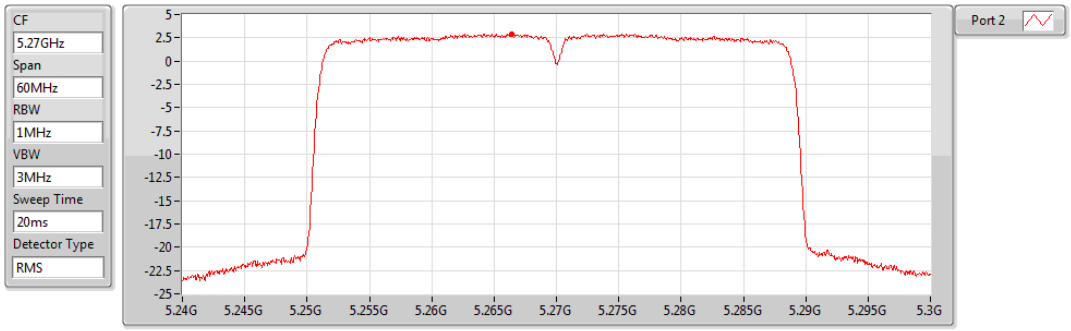


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.95	3.95		3.95

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

5270MHz

07/10/2020

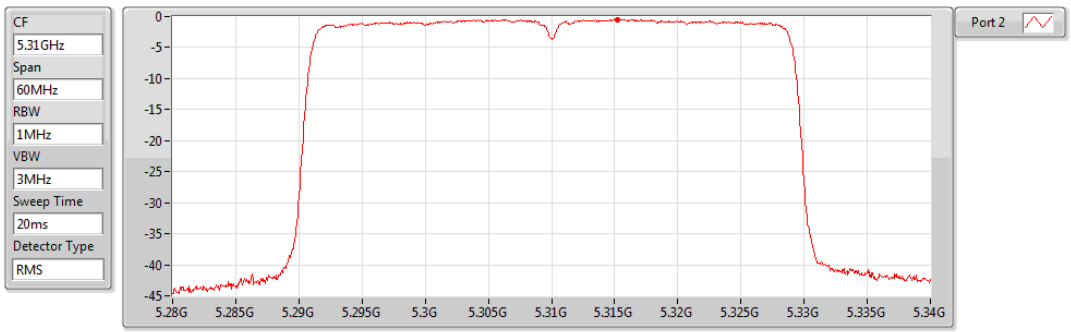


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.93	2.93		2.93

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

5310MHz

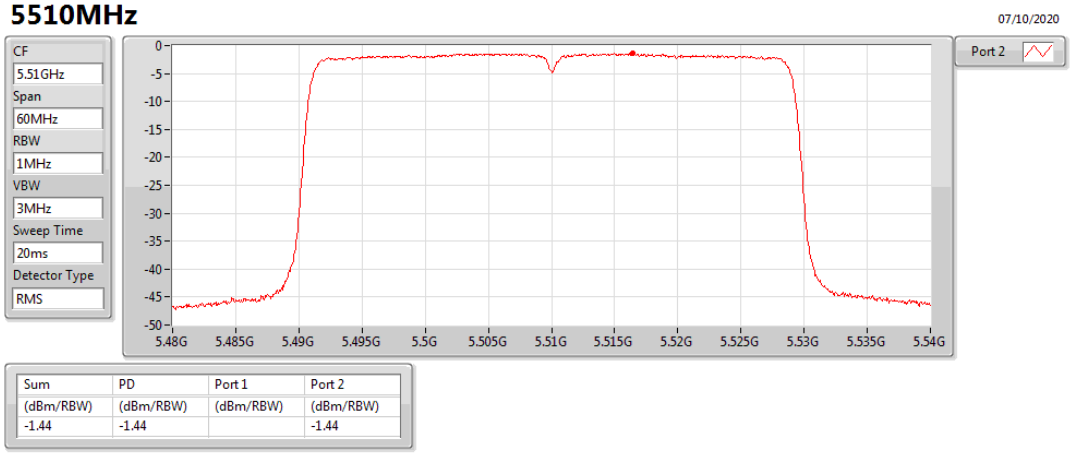
07/10/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.44	-0.44		-0.44

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

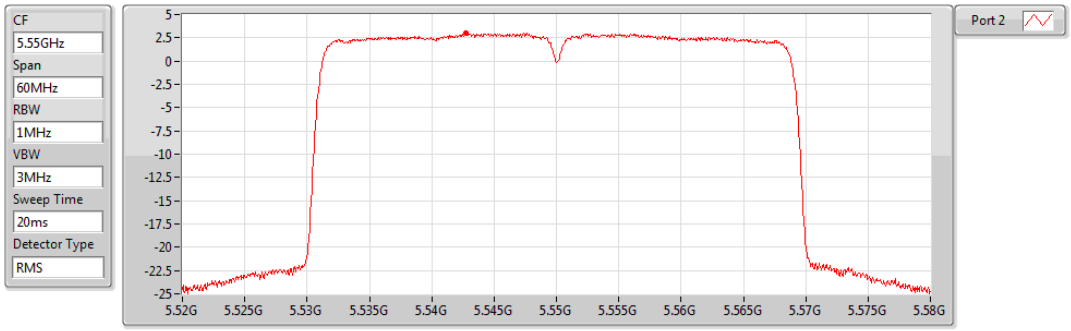
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.44	-1.44		-1.44

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

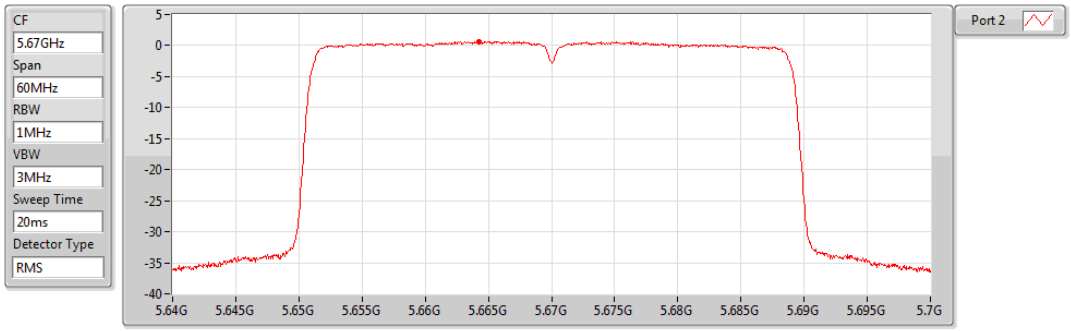
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.99	2.99		2.99

802.11ax HEW40_Nss1,(MCS0)_1TX PSD

5670MHz

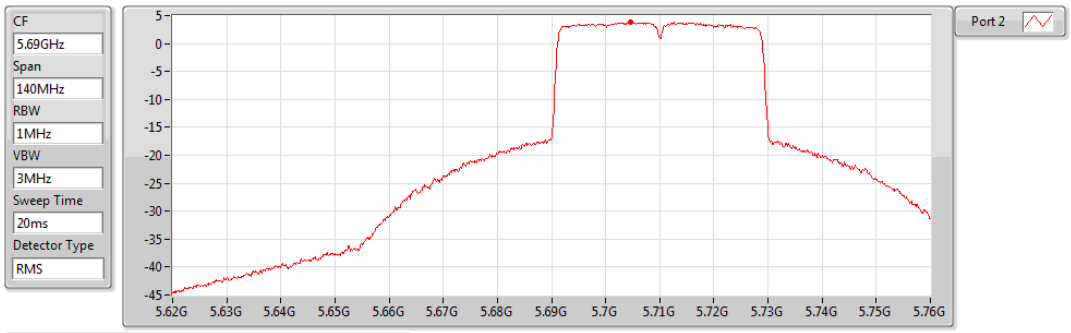


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.66	0.66		0.66

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

5710MHz Straddle 5.47-5.725GHz

07/10/2020

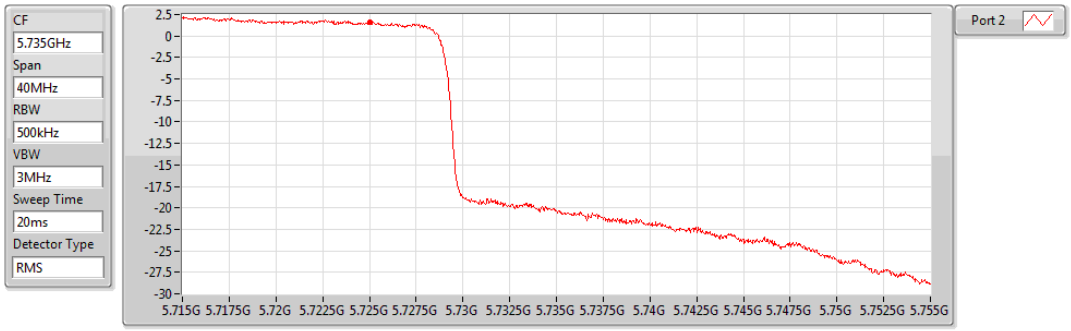


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.79	3.79		3.79

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

5710MHz Straddle 5.725-5.85GHz

07/10/2020

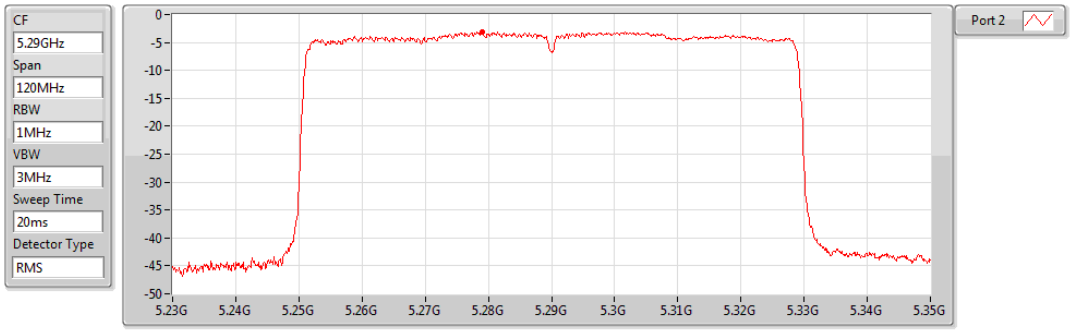


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.60	1.60		1.60

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

5290MHz

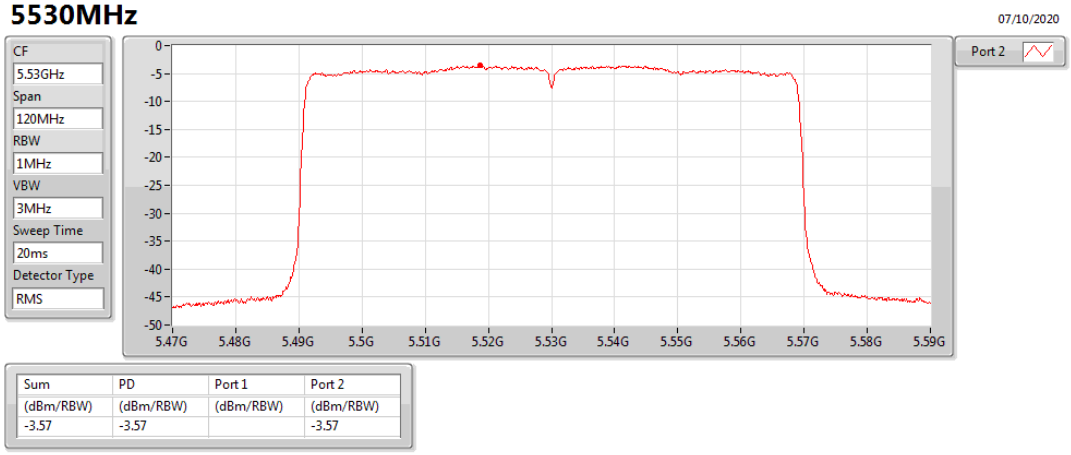
07/10/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.15	-3.15		-3.15

802.11ax HEW80_Nss1,(MCS0)_1TX PSD

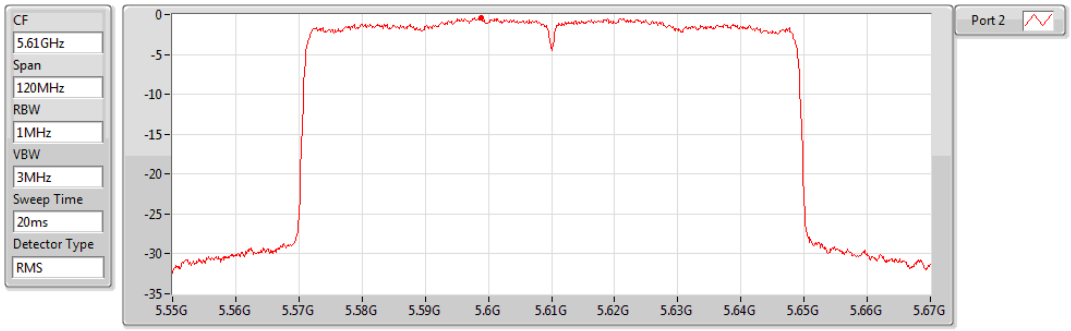
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.57	-3.57		-3.57

802.11ax HEW80_Nss1,(MCS0)_1TX PSD

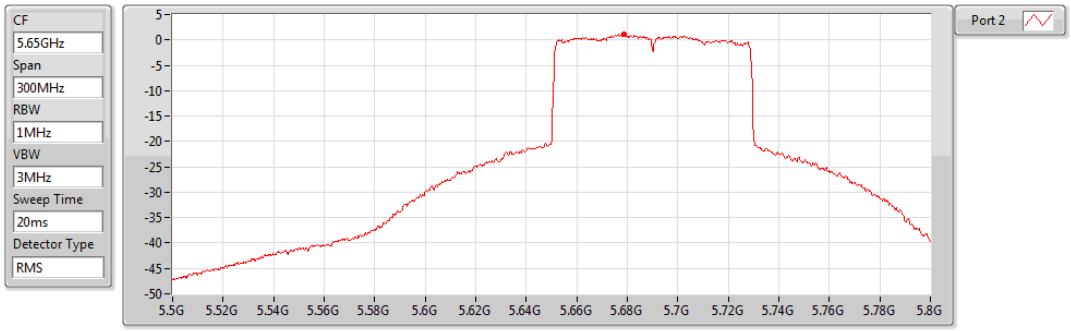
5610MHz



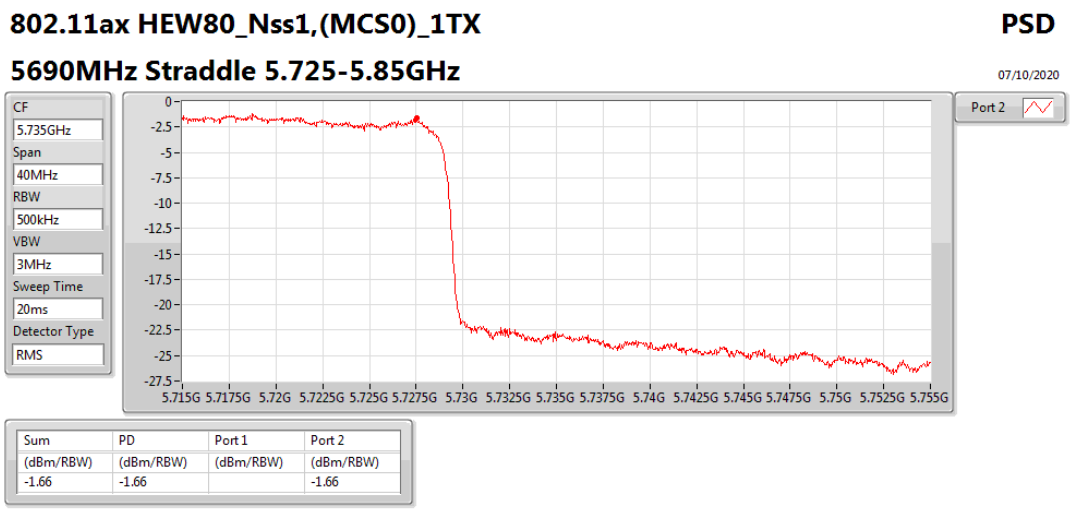
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.40	-0.40		-0.40

802.11ax HEW80_Nss1,(MCS0)_1TX PSD

5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.09	1.09		1.09


802.11ax HEW80_Nss1,(MCS0)_1TX
PSD
5690MHz Straddle 5.725-5.85GHz
07/10/2020
CF
5.735GHz
Span
40MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
Port 2
0
-2.5
-5
-7.5
-10
-12.5
-15
-17.5
-20
-22.5
-25
-27.5
5.715G 5.7175G 5.72G 5.7225G 5.725G 5.7275G 5.73G 5.7325G 5.735G 5.7375G 5.74G 5.7425G 5.745G 5.7475G 5.75G 5.7525G 5.755G
Sum (dBm/RBW) -1.66
PD (dBm/RBW) -1.66
Port 1 (dBm/RBW)
Port 2 (dBm/RBW) -1.66

For non beamforming mode 2TX
Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	7.31
802.11ax HEW20_Nss1,(MCS0)_2TX	7.38
802.11ax HEW40_Nss1,(MCS0)_2TX	5.85
802.11ax HEW80_Nss1,(MCS0)_2TX	0.12
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_2TX	7.22
802.11ax HEW20_Nss1,(MCS0)_2TX	7.26
802.11ax HEW40_Nss1,(MCS0)_2TX	7.21
802.11ax HEW80_Nss1,(MCS0)_2TX	4.04
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	5.4
802.11ax HEW20_Nss1,(MCS0)_2TX	5.62
802.11ax HEW40_Nss1,(MCS0)_2TX	5.2
802.11ax HEW80_Nss1,(MCS0)_2TX	1.44

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

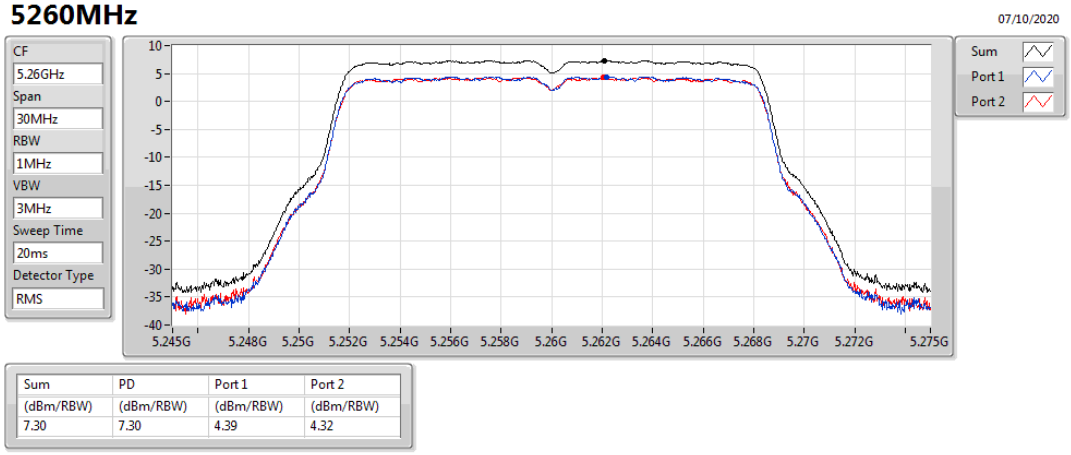
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	9.61	4.39	4.32	7.30	7.39
5300MHz	Pass	9.61	4.45	4.28	7.31	7.39
5320MHz	Pass	9.61	4.28	4.28	7.23	7.39
5500MHz	Pass	9.61	2.81	2.73	5.73	7.39
5580MHz	Pass	9.61	4.35	4.15	7.18	7.39
5700MHz	Pass	9.61	2.69	2.89	5.76	7.39
5720MHz Straddle 5.47-5.725GHz	Pass	9.61	4.36	4.14	7.22	7.39
5720MHz Straddle 5.725-5.85GHz	Pass	9.61	2.55	2.32	5.40	26.39
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	9.61	4.48	4.39	7.38	7.39
5300MHz	Pass	9.61	4.43	4.14	7.24	7.39
5320MHz	Pass	9.61	3.15	3.03	6.04	7.39
5500MHz	Pass	9.61	2.78	2.92	5.80	7.39
5580MHz	Pass	9.61	4.32	4.05	7.18	7.39
5700MHz	Pass	9.61	-0.2	-0.27	2.74	7.39
5720MHz Straddle 5.47-5.725GHz	Pass	9.61	4.38	4.2	7.26	7.39
5720MHz Straddle 5.725-5.85GHz	Pass	9.61	2.78	2.49	5.62	26.39
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	9.61	2.85	2.9	5.85	7.39
5310MHz	Pass	9.61	-0.63	-0.71	2.28	7.39
5510MHz	Pass	9.61	-1.63	-1.62	1.32	7.39
5550MHz	Pass	9.61	3.24	3.11	6.11	7.39
5670MHz	Pass	9.61	1.18	0.93	4.00	7.39
5710MHz Straddle 5.47-5.725GHz	Pass	9.61	4.49	4	7.21	7.39
5710MHz Straddle 5.725-5.85GHz	Pass	9.61	2.48	1.93	5.20	26.39
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	9.61	-2.91	-2.86	0.12	7.39
5530MHz	Pass	9.61	-3.59	-3.43	-0.54	7.39
5610MHz	Pass	9.61	-0.68	-0.51	2.39	7.39
5690MHz Straddle 5.47-5.725GHz	Pass	9.61	1.27	0.99	4.04	7.39
5690MHz Straddle 5.725-5.85GHz	Pass	9.61	-1.07	-1.95	1.44	26.39

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

802.11a_Nss1,(6Mbps)_2TX PSD

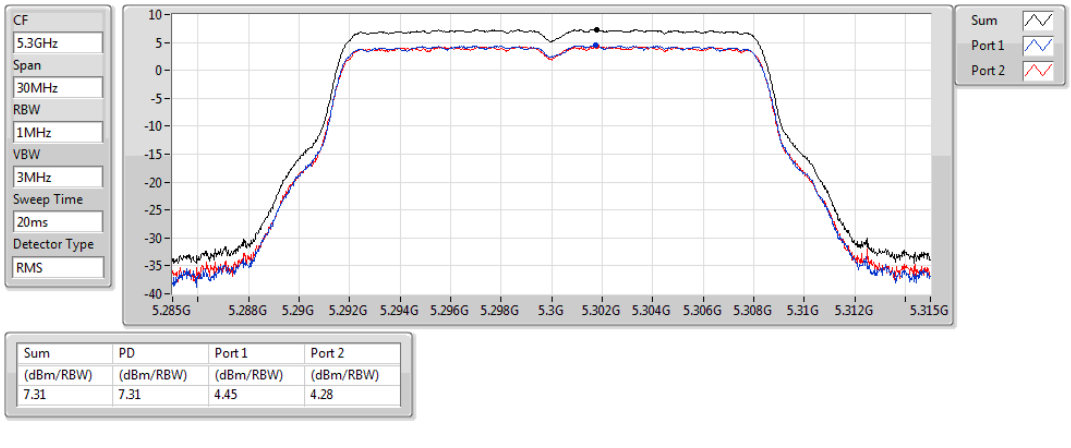
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.30	7.30	4.39	4.32

802.11a_Nss1,(6Mbps)_2TX PSD

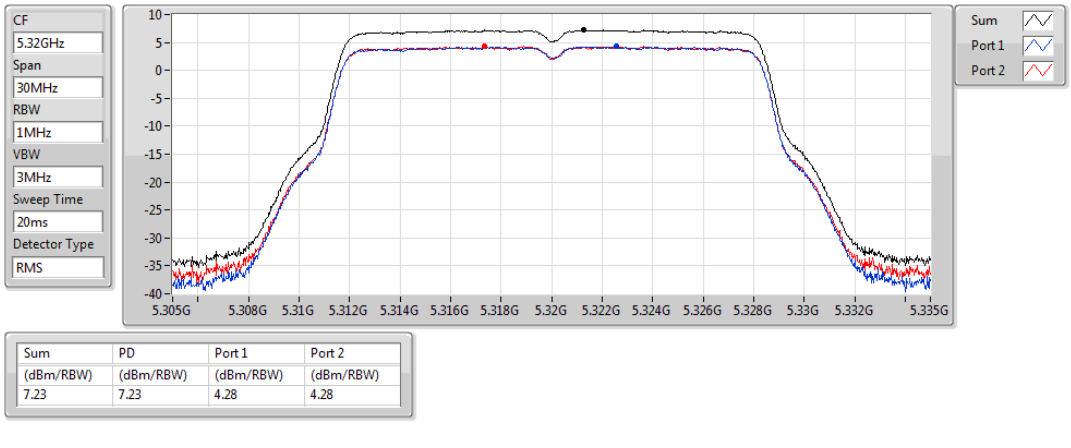
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.31	7.31	4.45	4.28

802.11a_Nss1,(6Mbps)_2TX PSD

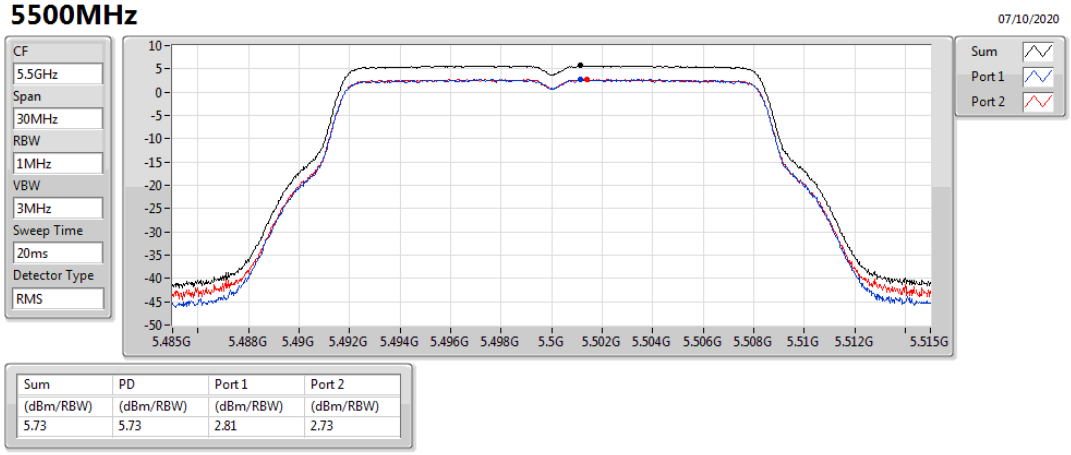
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.23	7.23	4.28	4.28

802.11a_Nss1,(6Mbps)_2TX PSD

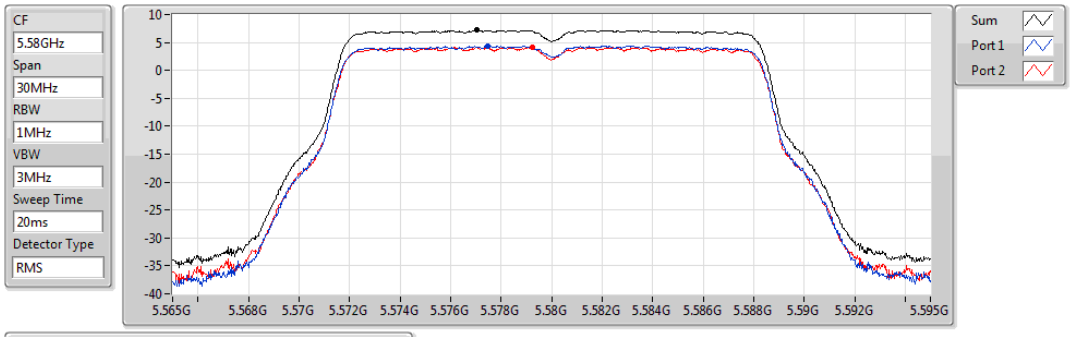
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.73	5.73	2.81	2.73

802.11a_Nss1,(6Mbps)_2TX PSD

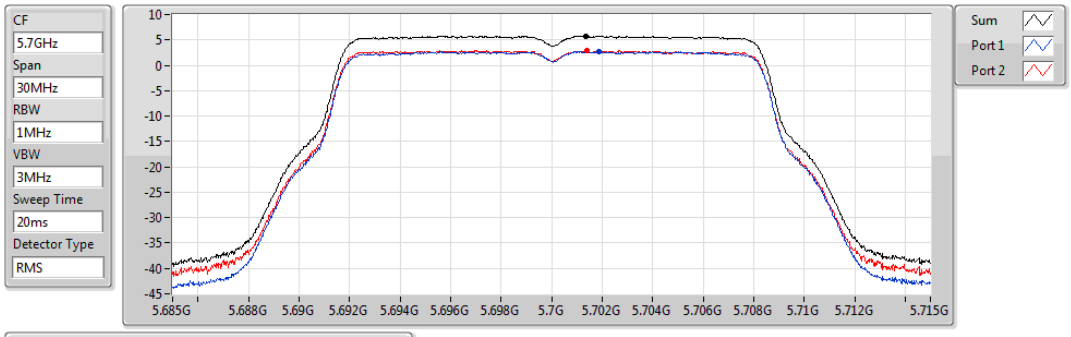
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.18	7.18	4.35	4.15

802.11a_Nss1,(6Mbps)_2TX PSD

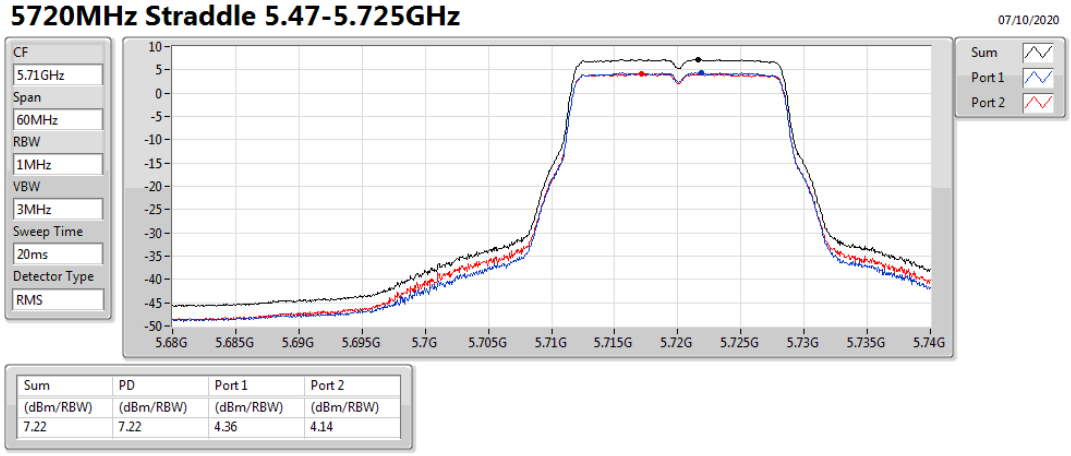
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.76	5.76	2.69	2.89

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

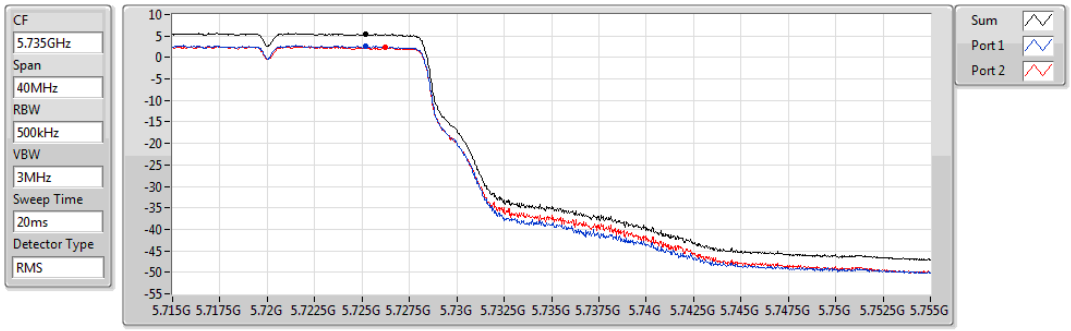
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.22	7.22	4.36	4.14

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

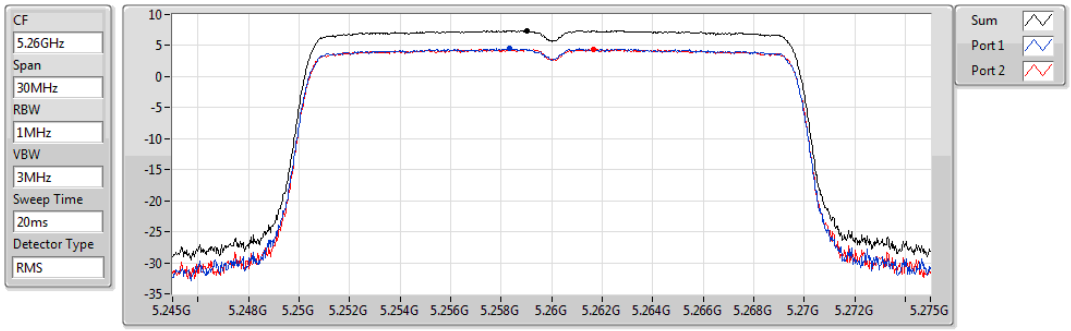
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.40	5.40	2.55	2.32

802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

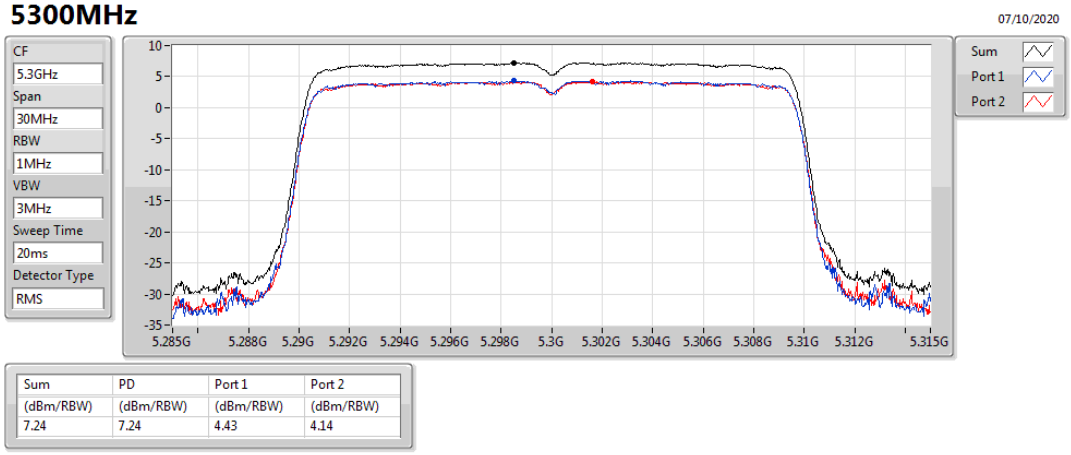
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.38	7.38	4.48	4.39

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

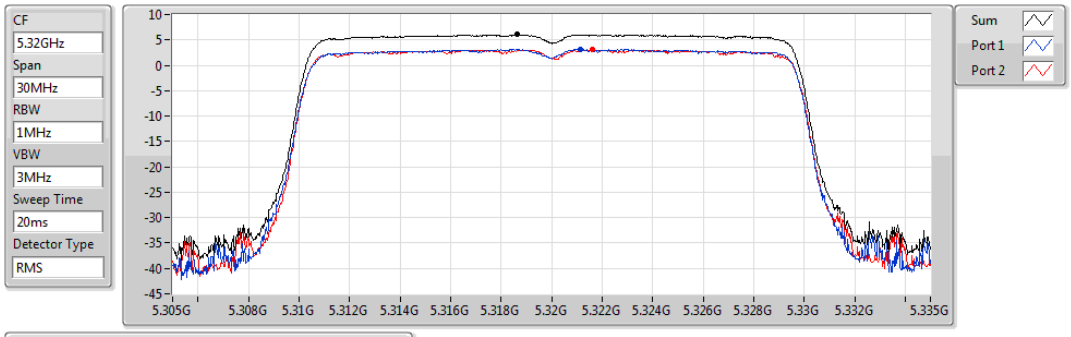
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.24	7.24	4.43	4.14

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

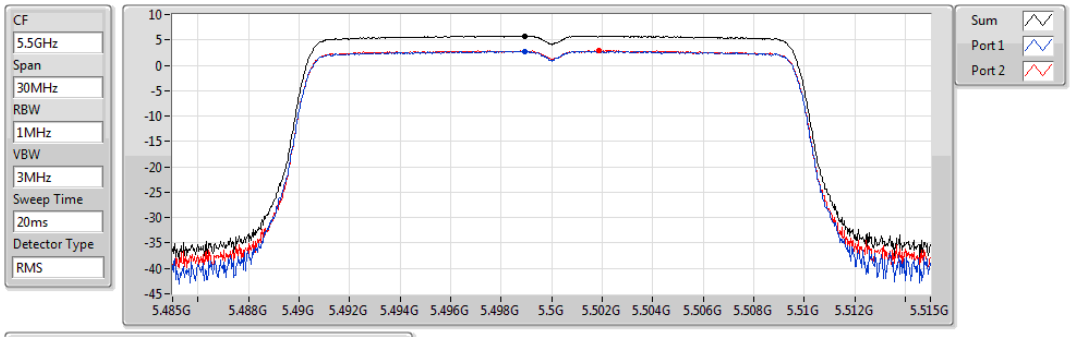
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.04	6.04	3.15	3.03

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

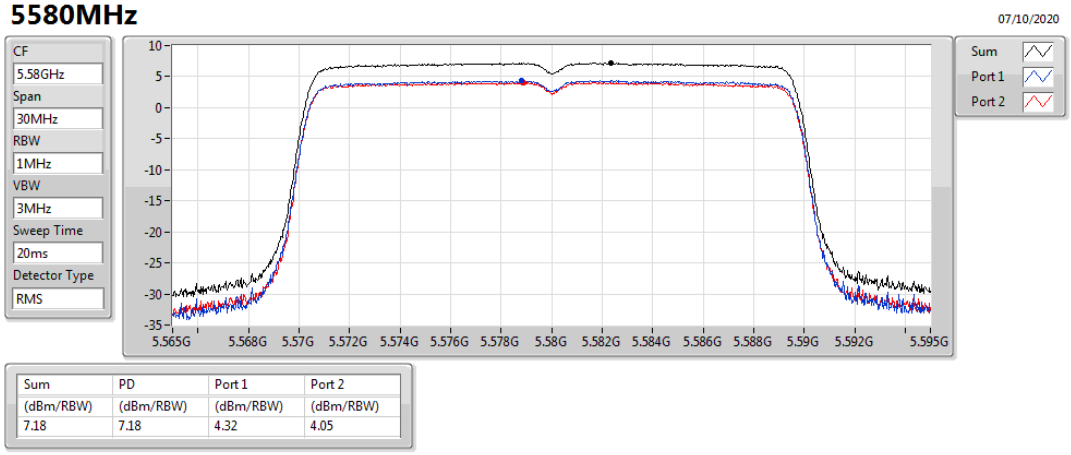
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.80	5.80	2.78	2.92

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

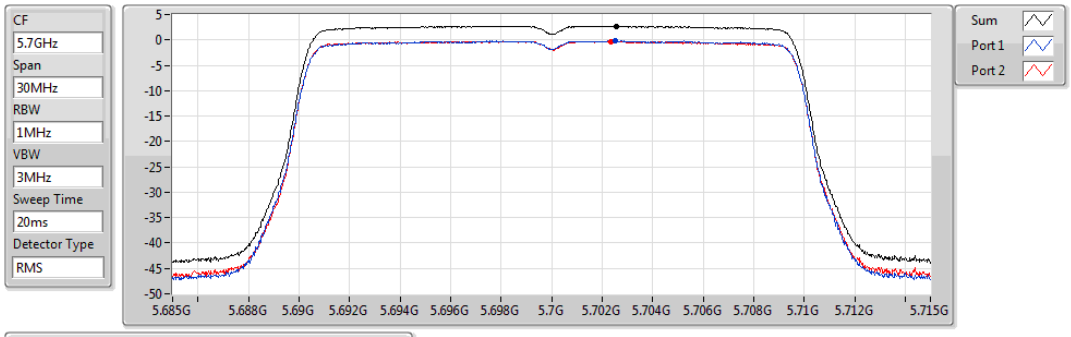
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.18	7.18	4.32	4.05

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

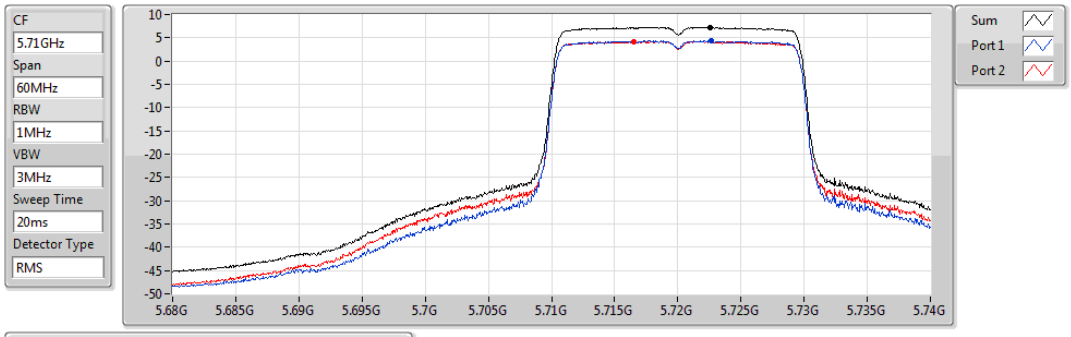
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.74	2.74	-0.20	-0.27

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

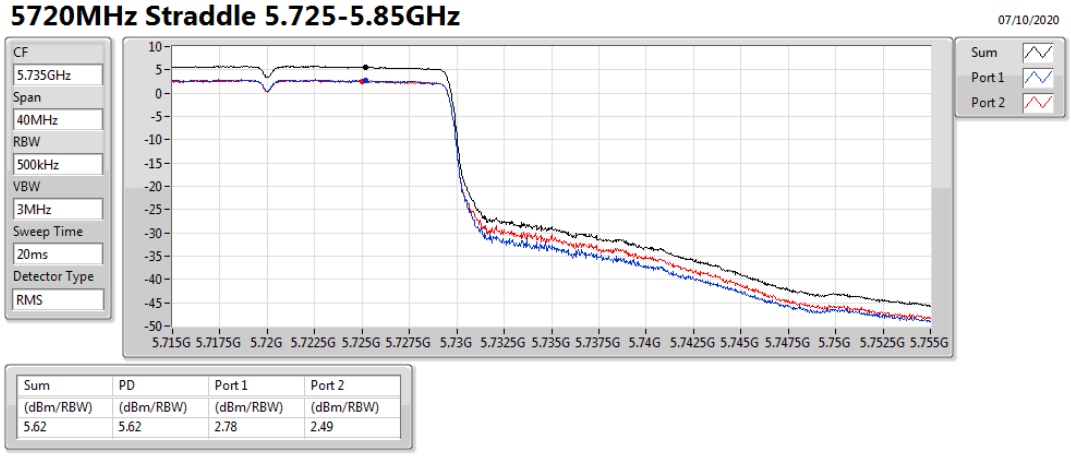
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.26	7.26	4.38	4.20

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

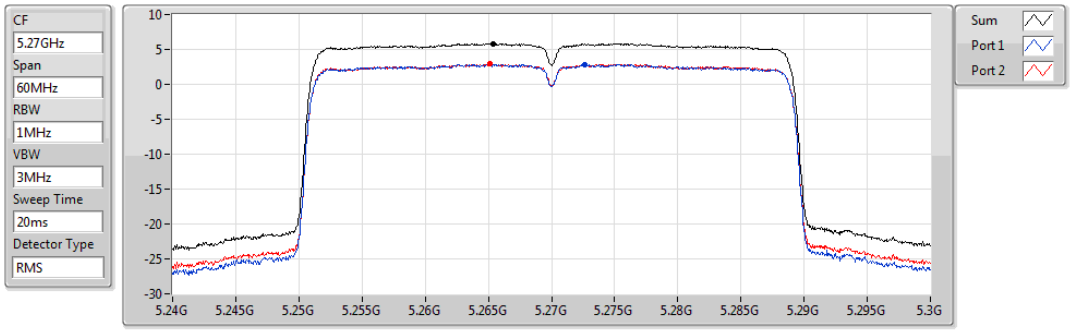
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.62	5.62	2.78	2.49

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

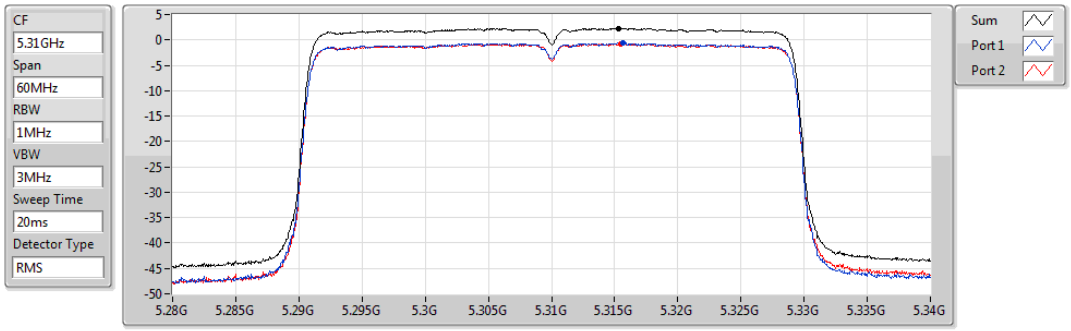
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.85	5.85	2.85	2.90

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

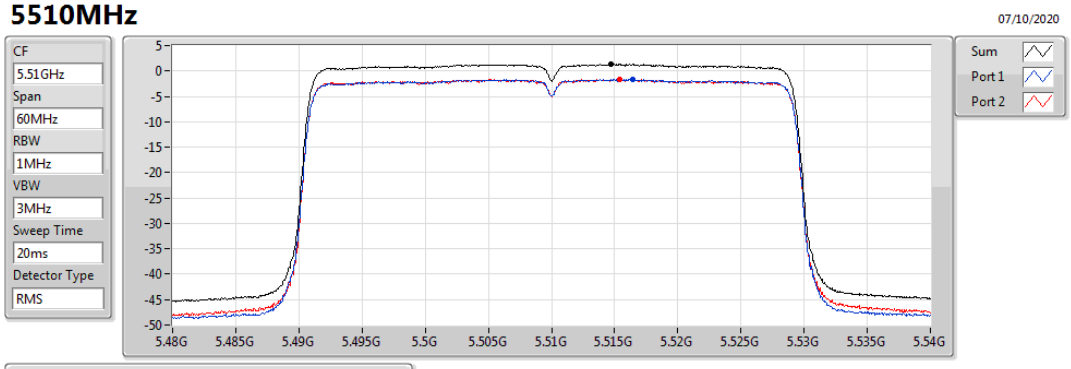
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.28	2.28	-0.63	-0.71

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

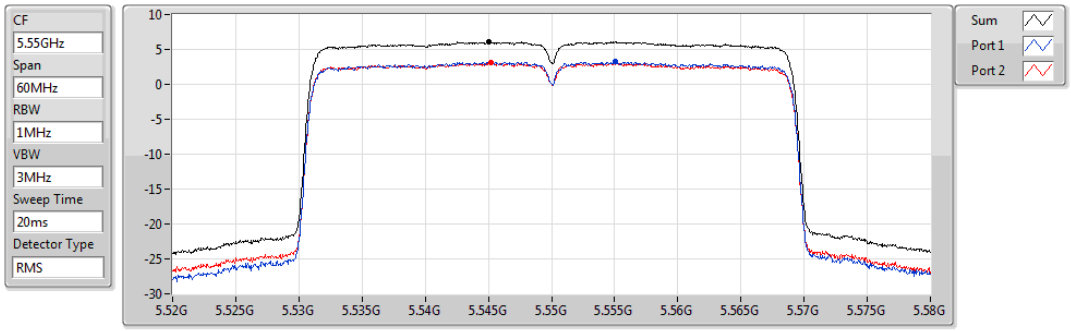
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.32	1.32	-1.63	-1.62

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

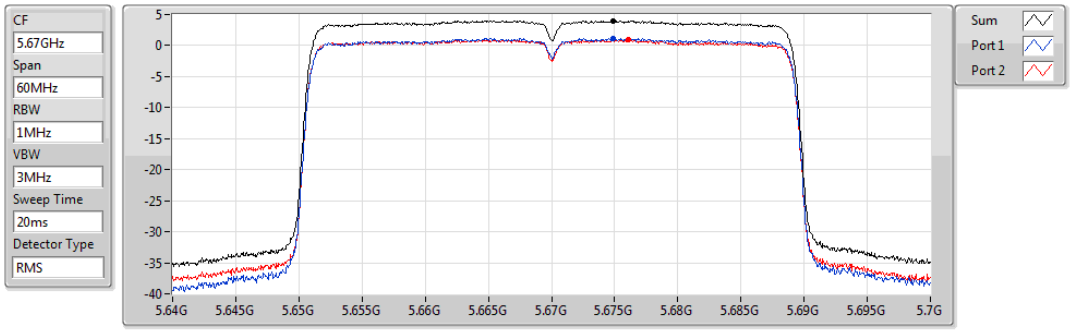
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.11	6.11	3.24	3.11

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

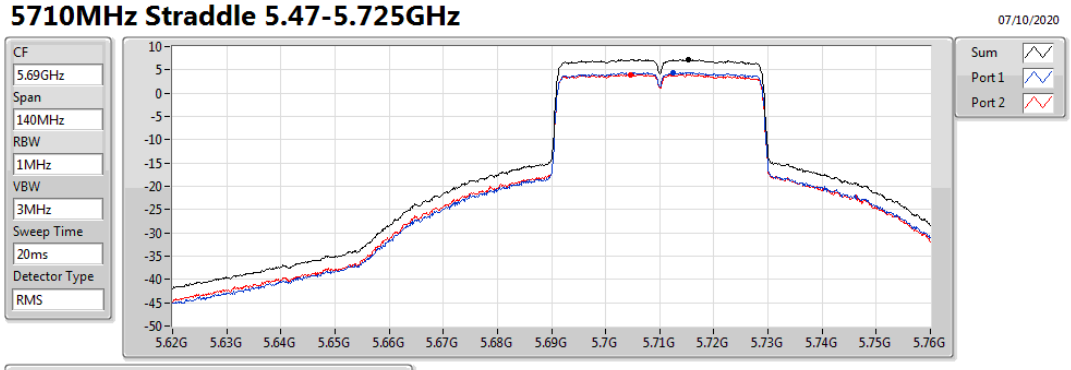
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.00	4.00	1.18	0.93

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

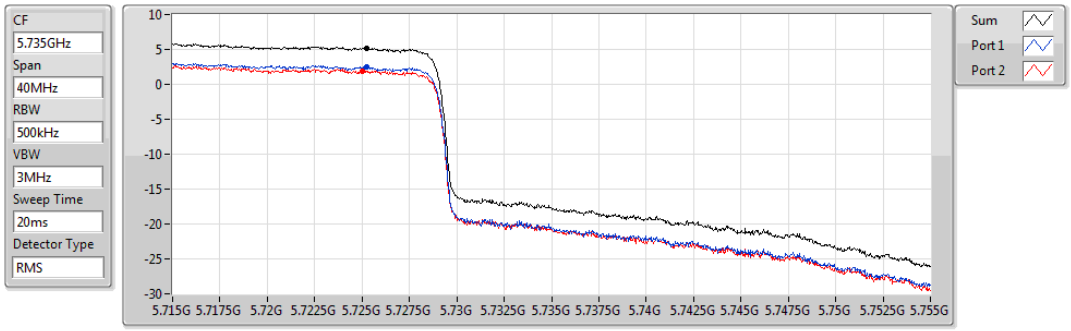
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.21	7.21	4.49	4.00

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

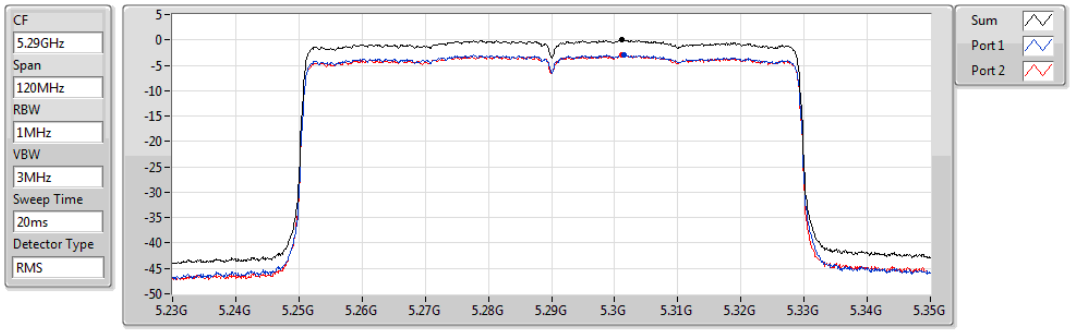
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.20	5.20	2.48	1.93

802.11ax HEW80_Nss1,(MCS0)_2TX PSD

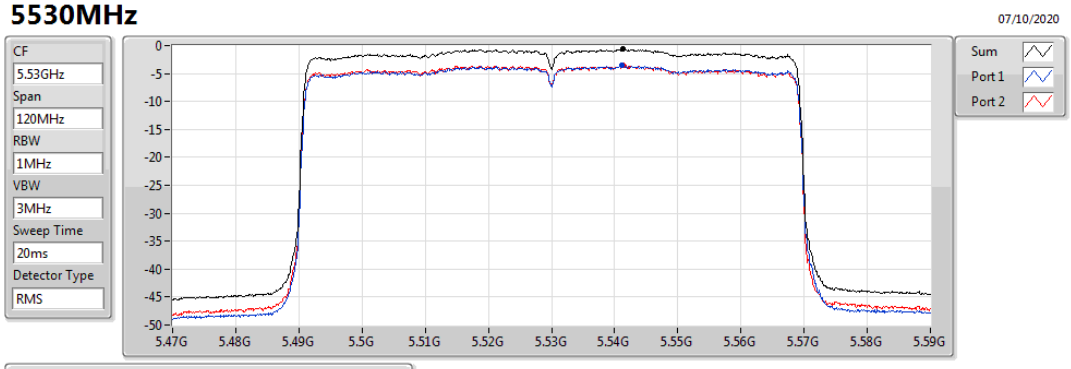
5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.12	0.12	-2.91	-2.86

802.11ax HEW80_Nss1,(MCS0)_2TX PSD

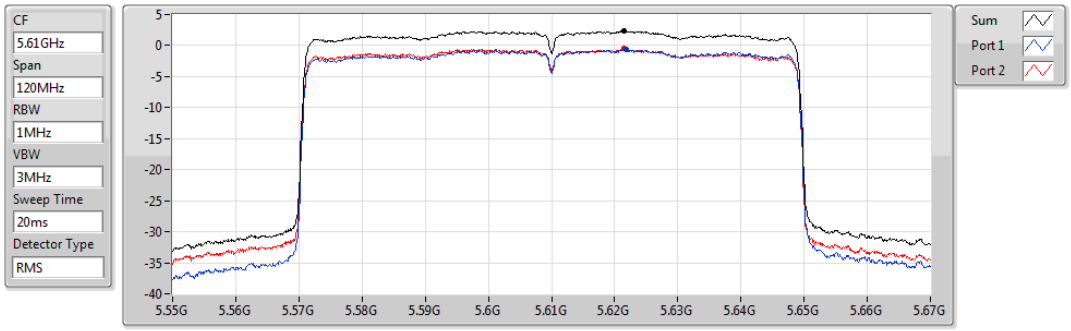
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.54	-0.54	-3.59	-3.43

802.11ax HEW80_Nss1,(MCS0)_2TX PSD

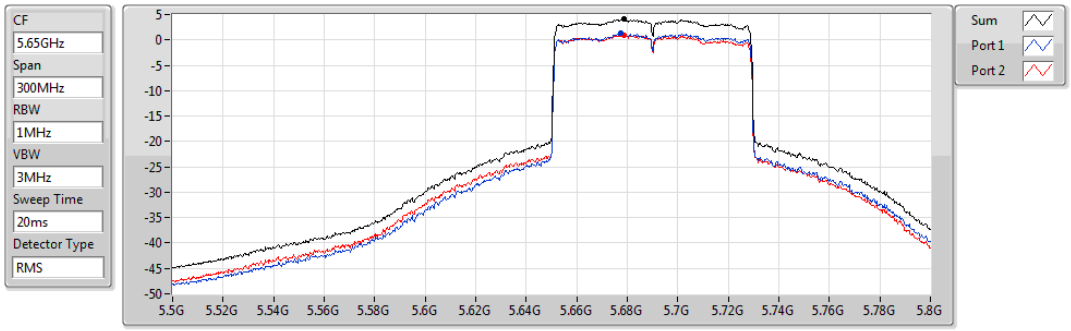
5610MHz



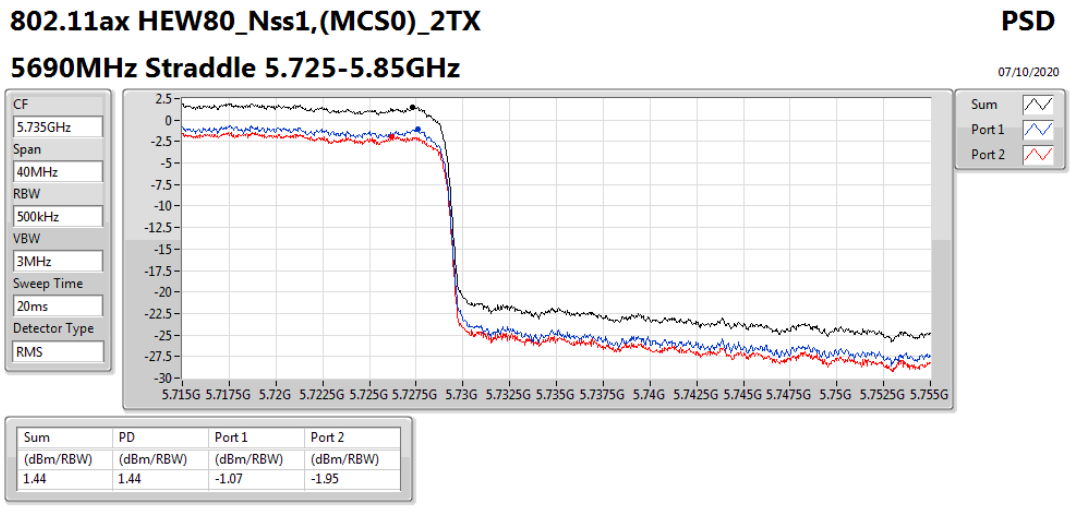
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.39	2.39	-0.68	-0.51

802.11ax HEW80_Nss1,(MCS0)_2TX PSD

5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.04	4.04	1.27	0.99


802.11ax HEW80_Nss1,(MCS0)_2TX
PSD
5690MHz Straddle 5.725-5.85GHz
07/10/2020
CF
5.735GHz
Span
40MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
2.5
0
-2.5
-5
-7.5
-10
-12.5
-15
-17.5
-20
-22.5
-25
-27.5
-30
5.715G 5.7175G 5.72G 5.7225G 5.725G 5.7275G 5.73G 5.7325G 5.735G 5.7375G 5.74G 5.7425G 5.745G 5.7475G 5.75G 5.7525G 5.755G
Sum
Port 1
Port 2
Sum PD Port 1 Port 2
(dBm/RBW) (dBm/RBW) (dBm/RBW) (dBm/RBW)
1.44 1.44 -1.07 -1.95

For beamforming mode 2TX
Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	7.14
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	4.13
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-1.49
5.47-5.725GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	7.12
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	4.19
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	1.41
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	5.01
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	2.11
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-1.54

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

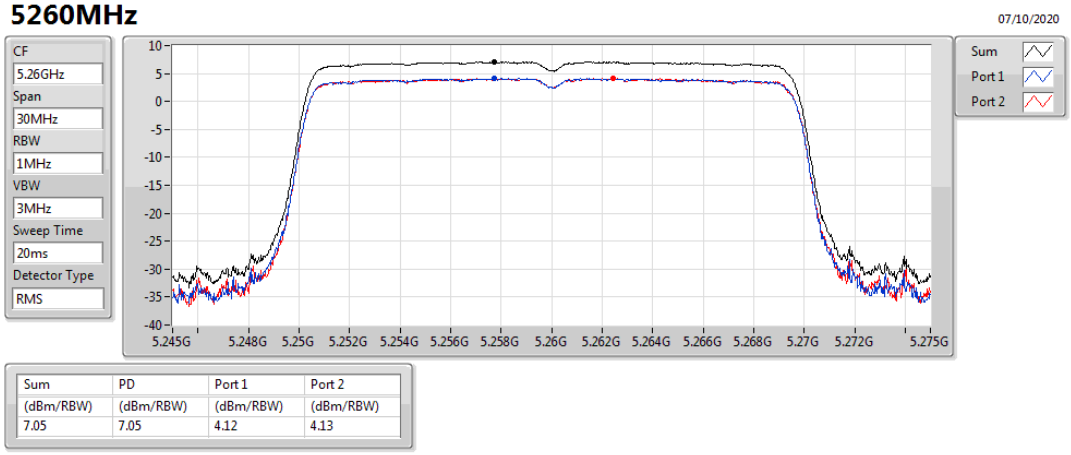
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	9.61	4.12	4.13	7.05	7.39
5300MHz	Pass	9.61	4.05	4.27	7.14	7.39
5320MHz	Pass	9.61	3.15	3.03	6.04	7.39
5500MHz	Pass	9.61	2.67	2.77	5.67	7.39
5580MHz	Pass	9.61	4.27	4.04	7.12	7.39
5700MHz	Pass	9.61	-0.2	-0.27	2.74	7.39
5720MHz Straddle 5.47-5.725GHz	Pass	9.61	3.56	3.37	6.43	7.39
5720MHz Straddle 5.725-5.85GHz	Pass	9.61	2.15	1.87	5.01	26.39
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	9.61	1.09	1.16	4.13	7.39
5310MHz	Pass	9.61	-0.8	-0.71	2.22	7.39
5510MHz	Pass	9.61	-1.63	-1.62	1.32	7.39
5550MHz	Pass	9.61	1.24	1.17	4.19	7.39
5670MHz	Pass	9.61	0.79	0.59	3.65	7.39
5710MHz Straddle 5.47-5.725GHz	Pass	9.61	1.31	0.82	4.00	7.39
5710MHz Straddle 5.725-5.85GHz	Pass	9.61	-0.62	-1.18	2.11	26.39
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	9.61	-4.55	-4.39	-1.49	7.39
5530MHz	Pass	9.61	-4.57	-4.62	-1.59	7.39
5610MHz	Pass	9.61	-1.57	-1.6	1.41	7.39
5690MHz Straddle 5.47-5.725GHz	Pass	9.61	-1.88	-1.71	1.12	7.39
5690MHz Straddle 5.725-5.85GHz	Pass	9.61	-4.17	-4.56	-1.54	26.39

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

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

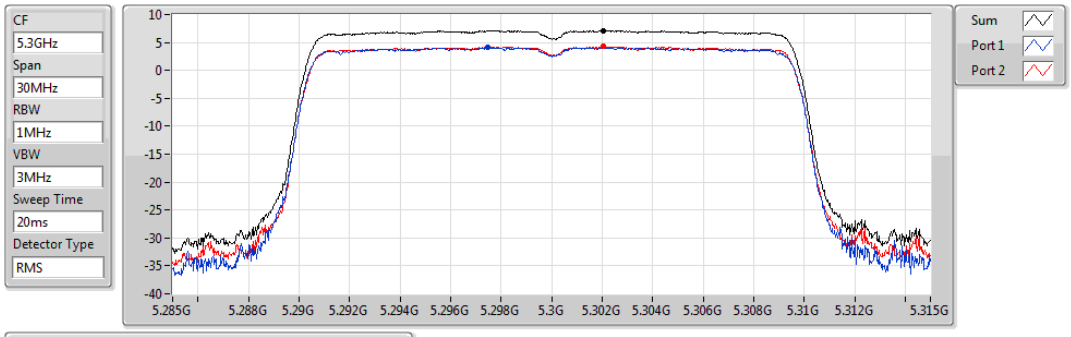
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.05	7.05	4.12	4.13

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

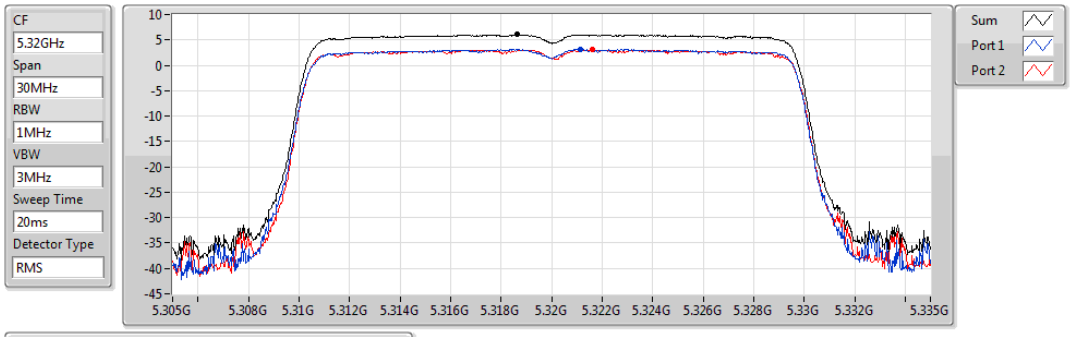
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.14	7.14	4.05	4.27

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

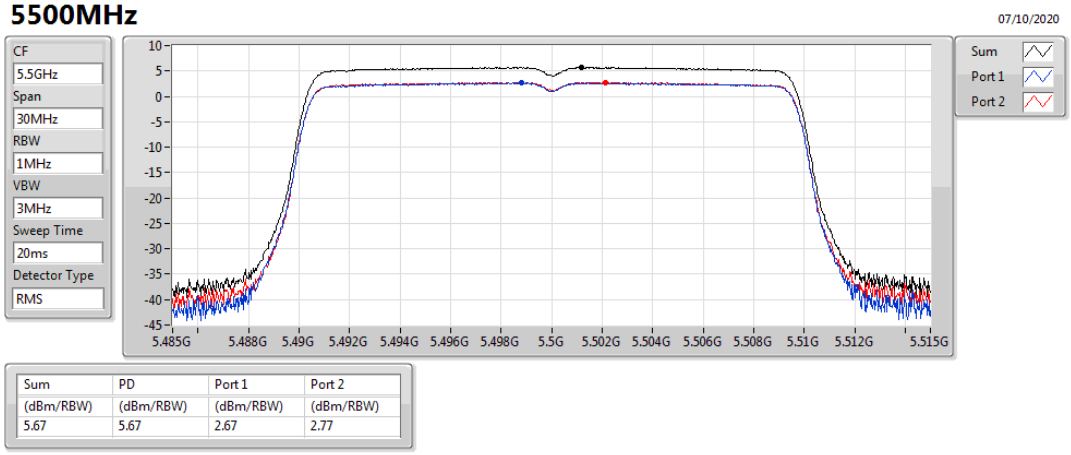
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.04	6.04	3.15	3.03

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

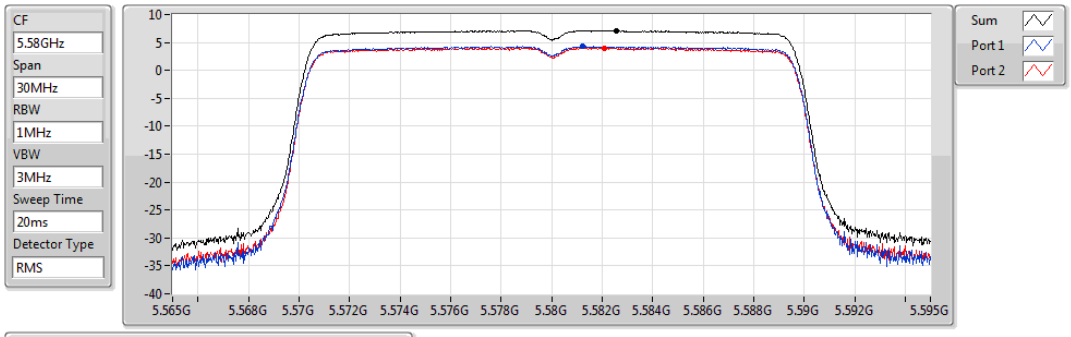
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.67	5.67	2.67	2.77

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

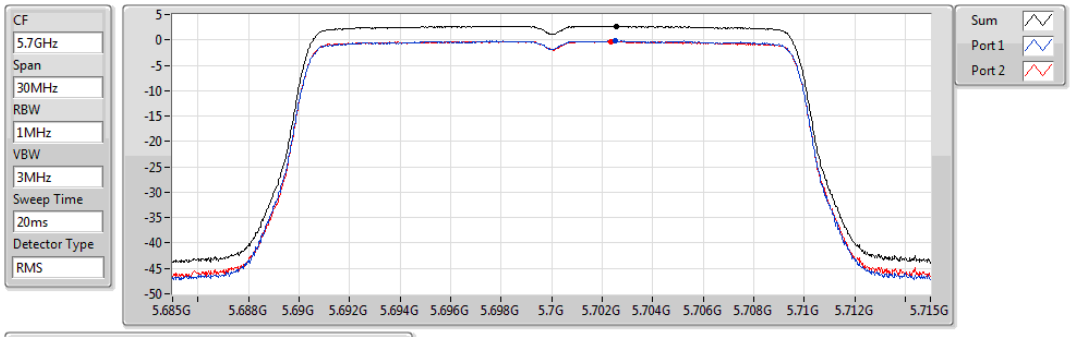
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.12	7.12	4.27	4.04

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

5700MHz

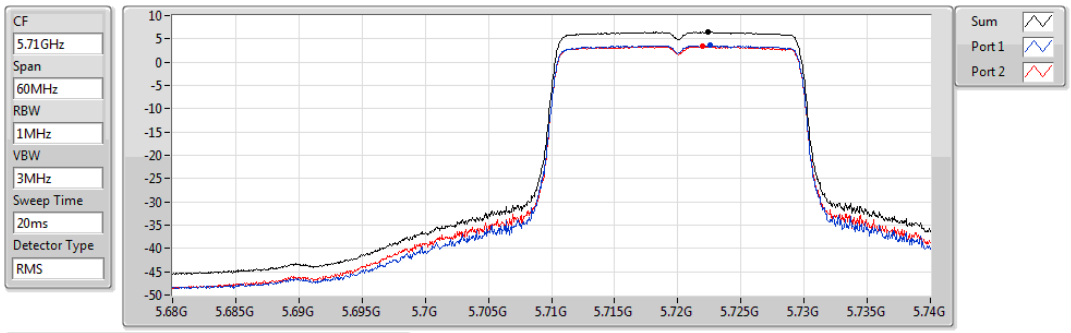


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.74	2.74	-0.20	-0.27

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

5720MHz Straddle 5.47-5.725GHz

07/10/2020

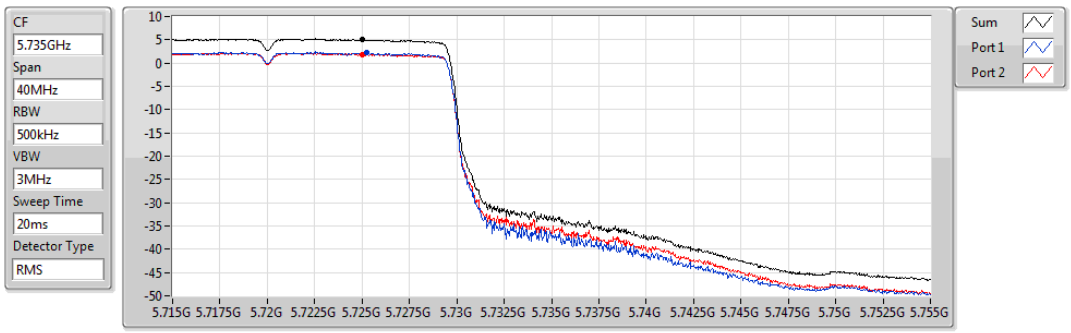


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.43	6.43	3.56	3.37

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

5720MHz Straddle 5.725-5.85GHz

07/10/2020

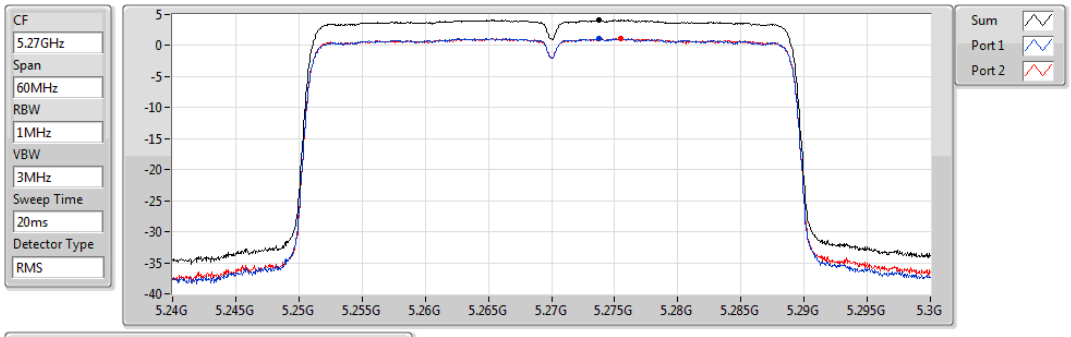


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.01	5.01	2.15	1.87

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

5270MHz

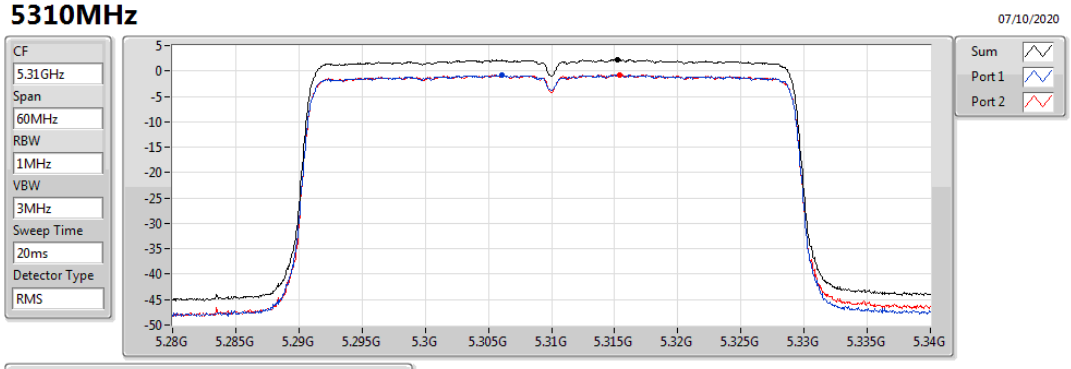
07/10/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.13	4.13	1.09	1.16

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

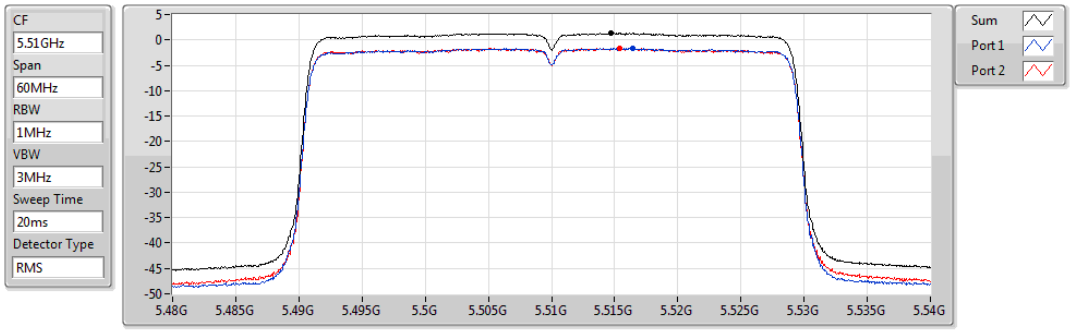
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.22	2.22	-0.80	-0.71

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

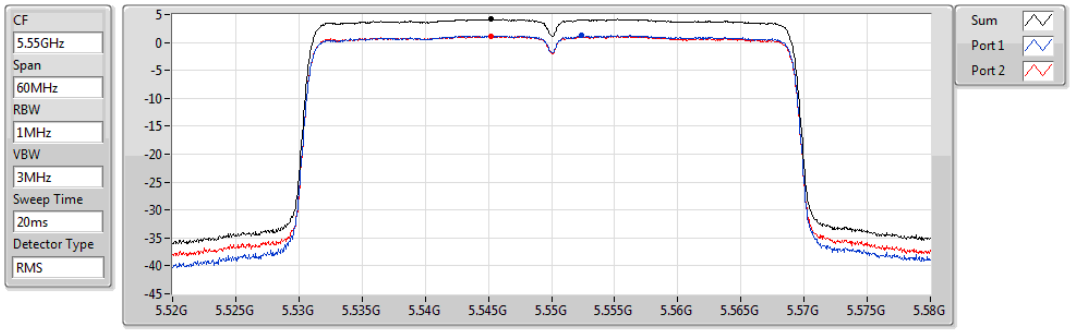
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.32	1.32	-1.63	-1.62

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

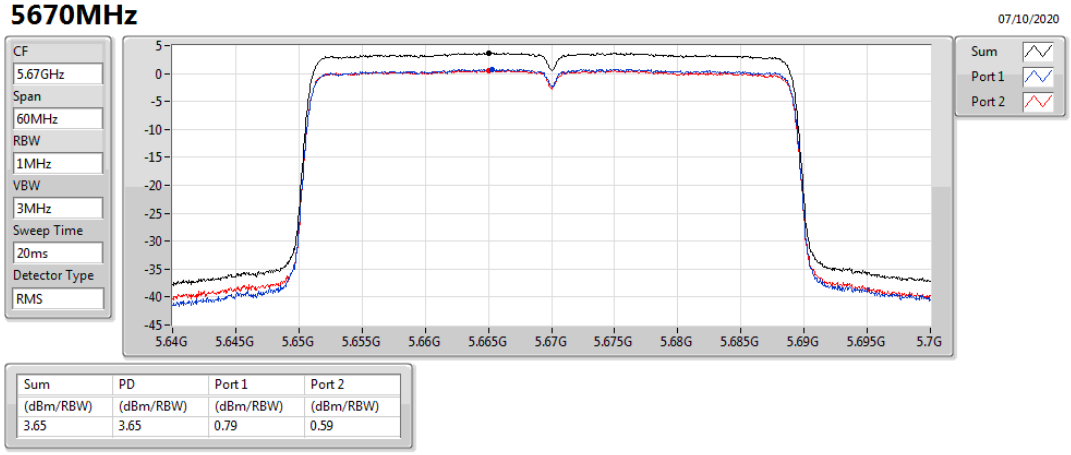
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.19	4.19	1.24	1.17

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

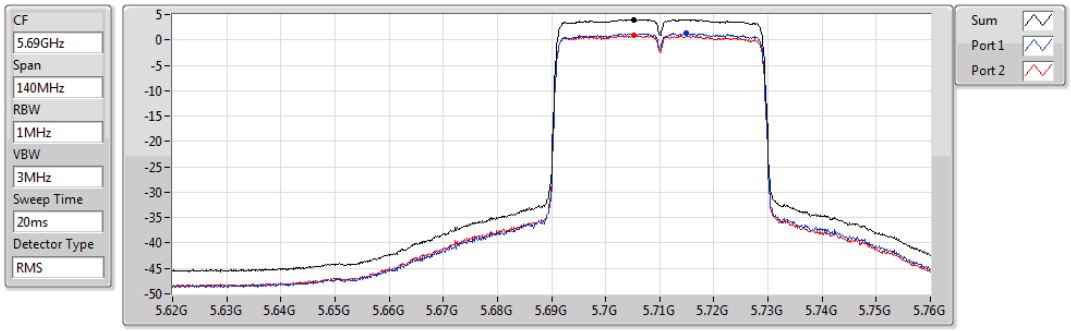
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.65	3.65	0.79	0.59

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

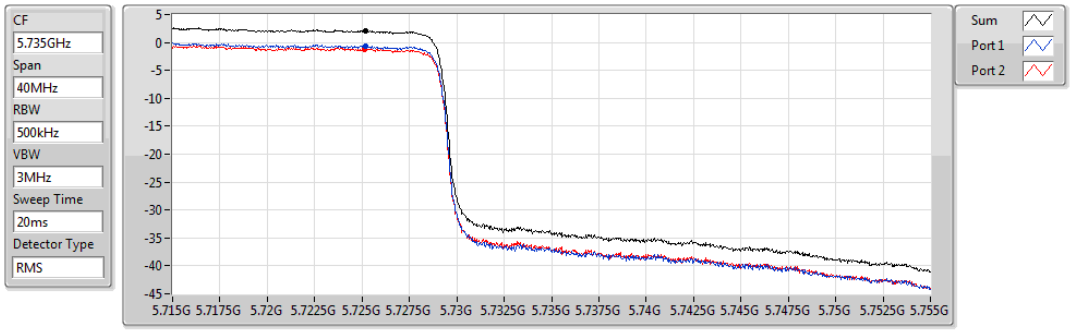
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.00	4.00	1.31	0.82

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

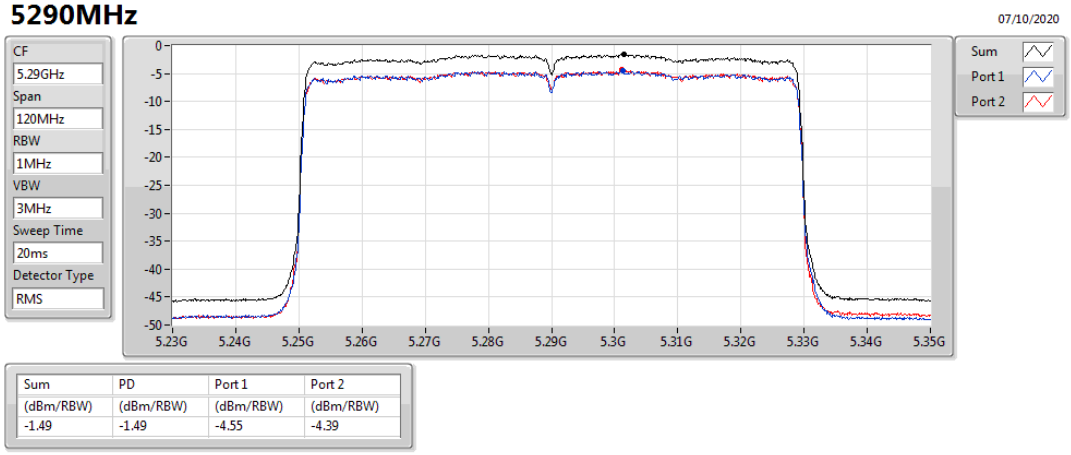
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.11	2.11	-0.62	-1.18

802.11ax HEW80-BF_Nss1,(MCS0)_2TX PSD

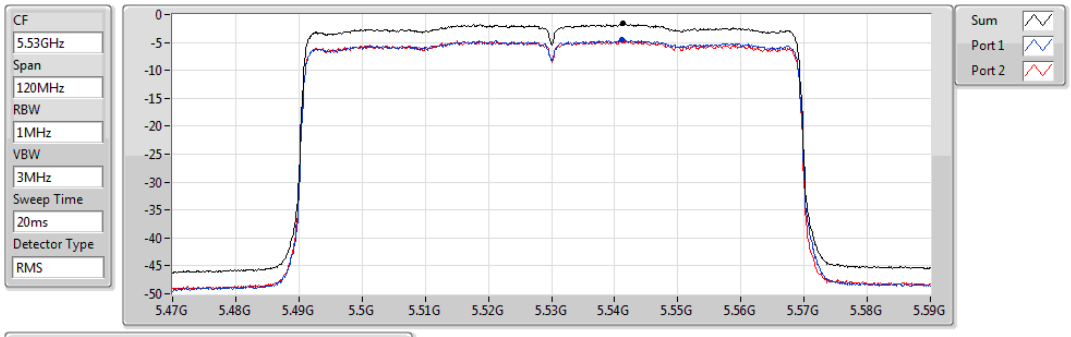
5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.49	-1.49	-4.55	-4.39

802.11ax HEW80-BF_Nss1,(MCS0)_2TX PSD

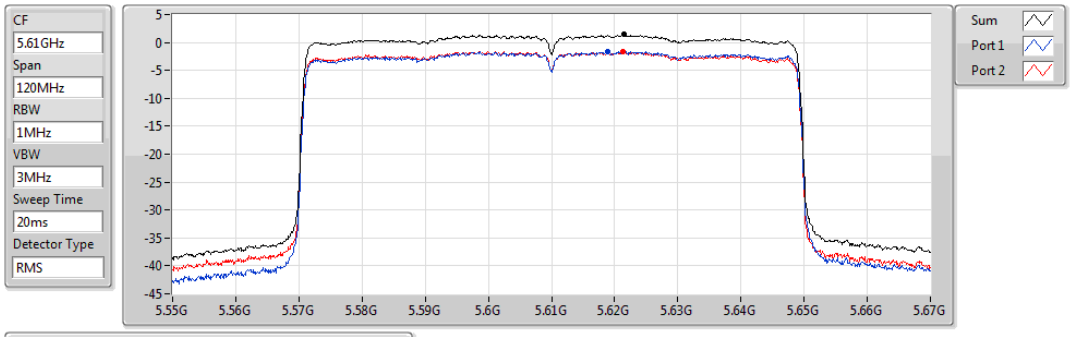
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.59	-1.59	-4.57	-4.62

802.11ax HEW80-BF_Nss1,(MCS0)_2TX PSD

5610MHz

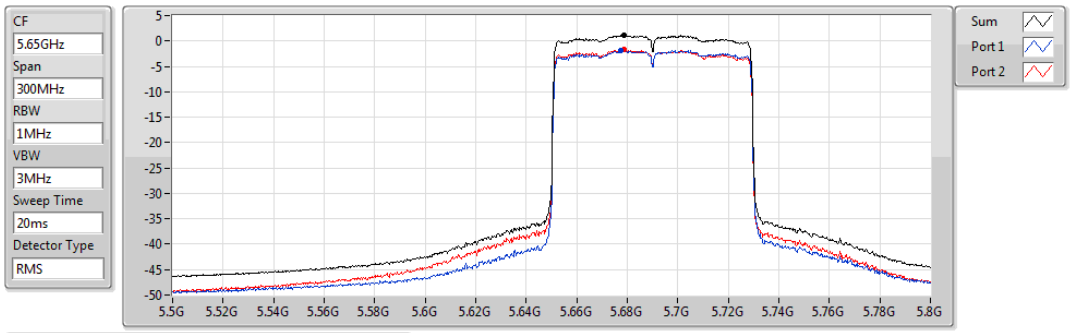


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.41	1.41	-1.57	-1.60

802.11ax HEW80-BF_Nss1,(MCS0)_2TX **PSD**

5690MHz Straddle 5.47-5.725GHz

07/10/2020

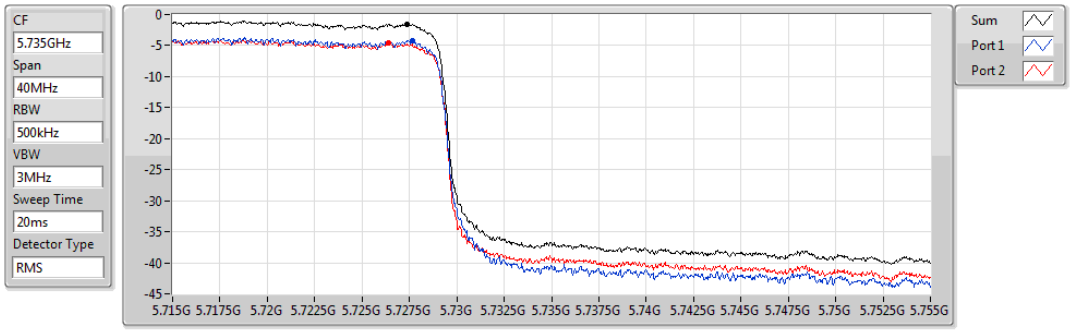


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.12	1.12	-1.88	-1.71

802.11ax HEW80-BF_Nss1,(MCS0)_2TX **PSD**

5690MHz Straddle 5.725-5.85GHz

07/10/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.54	-1.54	-4.17	-4.56

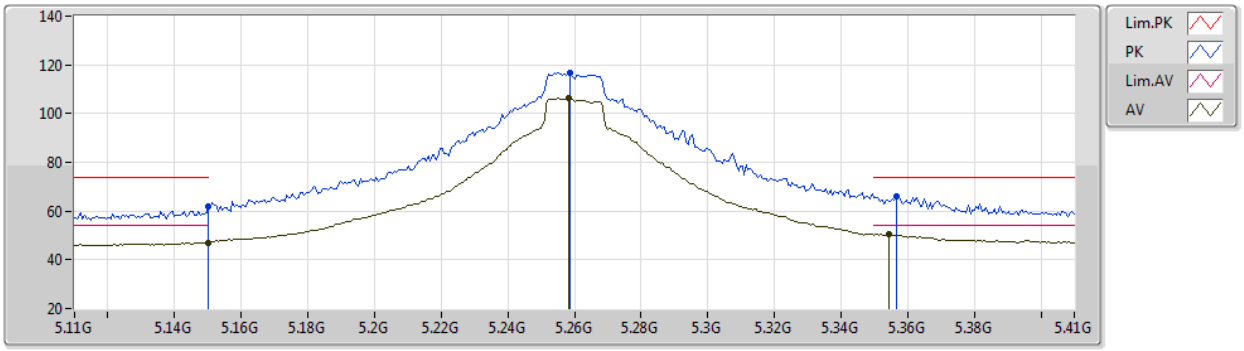
For Dual Band Radio
For non beamforming mode 1TX
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	PK	5.3518G	73.91	74.00	-0.09	3	Vertical	18	1.49	-

802.11a_Nss1,(6Mbps)_1TX

12/10/2020

5260MHz_TX



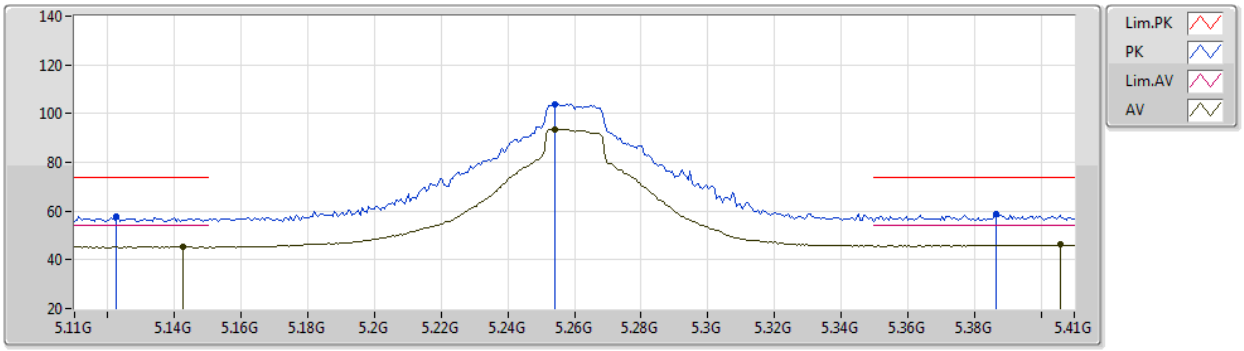
EUT Y_1TX Ant 2
Setting 95
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	61.91	74.00	-12.09	55.19	3	Vertical	25	1.45	-	33.45	5.00	31.73
AV	5.15G	46.98	54.00	-7.02	40.26	3	Vertical	25	1.45	-	33.45	5.00	31.73
PK	5.2588G	116.74	Inf	-Inf	109.70	3	Vertical	25	1.45	-	33.62	5.07	31.65
AV	5.2582G	106.36	Inf	-Inf	99.32	3	Vertical	25	1.45	-	33.62	5.07	31.65
PK	5.3566G	66.26	74.00	-7.74	59.06	3	Vertical	25	1.45	-	33.76	5.02	31.58
AV	5.3542G	50.38	54.00	-3.62	43.19	3	Vertical	25	1.45	-	33.75	5.02	31.58

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

12/10/2020



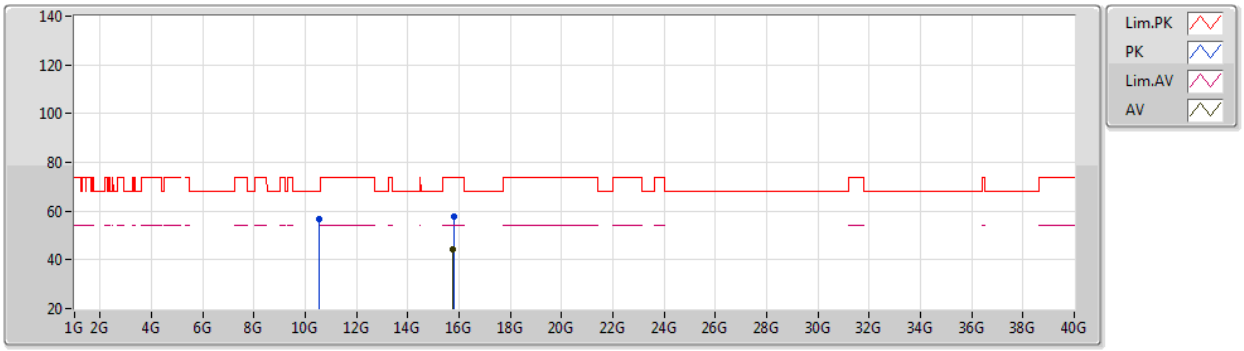
EUT Y_1TX Ant 2
Setting 95
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1226G	57.84	74.00	-16.16	51.21	3	Horizontal	360	2.02	-	33.42	4.95	31.74
AV	5.1424G	45.35	54.00	-8.65	38.66	3	Horizontal	360	2.02	-	33.44	4.98	31.73
PK	5.254G	103.97	Inf	-Inf	96.94	3	Horizontal	360	2.02	-	33.61	5.07	31.65
AV	5.254G	93.51	Inf	-Inf	86.48	3	Horizontal	360	2.02	-	33.61	5.07	31.65
PK	5.3866G	58.82	74.00	-15.18	51.58	3	Horizontal	360	2.02	-	33.79	5.01	31.56
AV	5.4058G	46.21	54.00	-7.79	38.94	3	Horizontal	360	2.02	-	33.81	5.01	31.55

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

12/10/2020



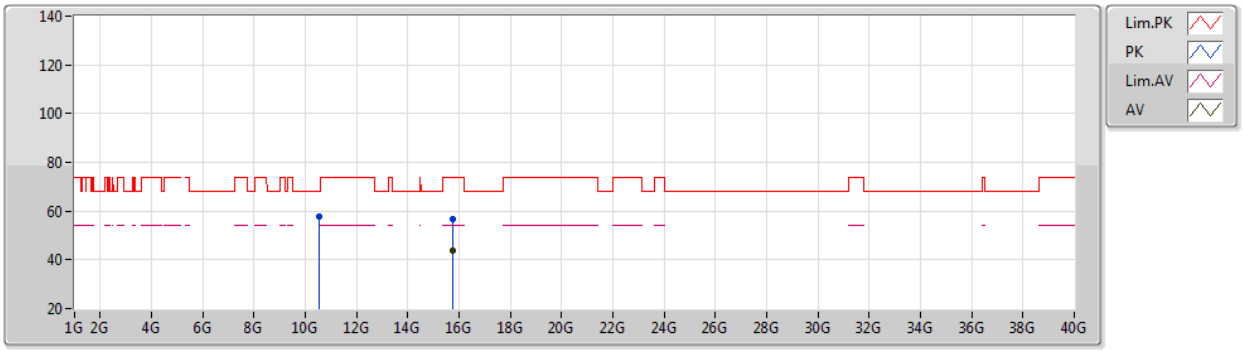
EUT Y_1TX Ant 2
Setting 95
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.52122G	56.98	68.20	-11.22	43.54	3	Vertical	190	1.67	-	38.79	7.28	32.63
PK	15.77984G	57.71	74.00	-16.29	43.42	3	Vertical	360	2.91	-	38.04	9.12	32.87
AV	15.7765G	44.12	54.00	-9.88	29.82	3	Vertical	360	2.91	-	38.05	9.12	32.87

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

12/10/2020



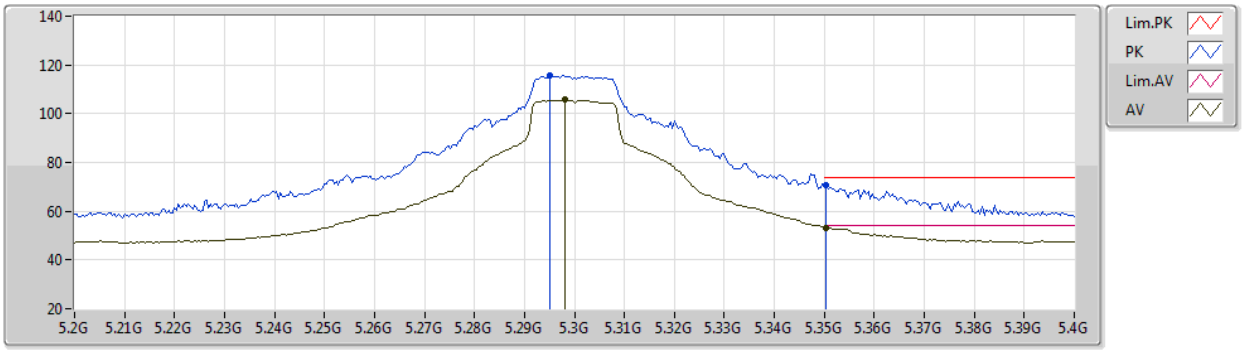
EUT Y_1TX Ant 2
Setting 95
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.51782G	58.01	68.20	-10.19	44.56	3	Horizontal	60	2.47	-	38.79	7.28	32.62
PK	15.77572G	56.71	74.00	-17.29	42.41	3	Horizontal	151	2.09	-	38.05	9.12	32.87
AV	15.77766G	43.73	54.00	-10.27	29.44	3	Horizontal	151	2.09	-	38.04	9.12	32.87

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

17/10/2020



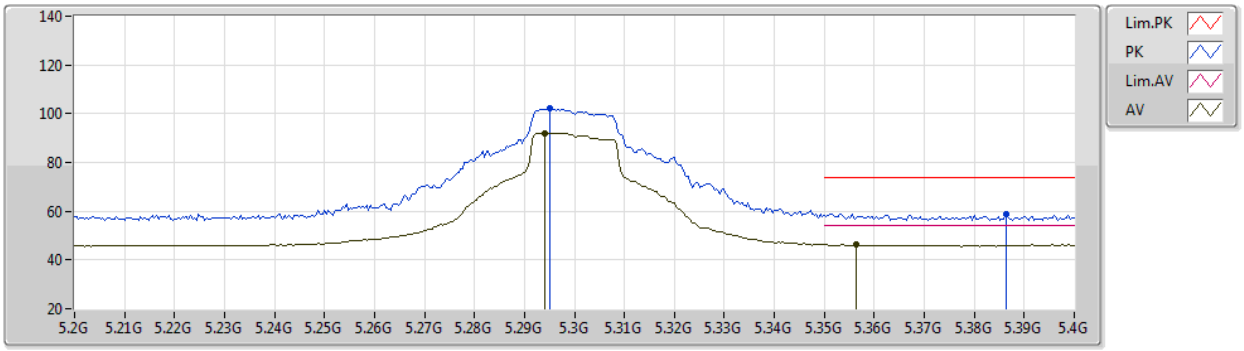
EUT Y_1TX Ant 2
Setting 89
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.2952G	115.76	Inf	-Inf	108.64	3	Vertical	3	1.43	-	33.69	5.05	31.62
AV	5.298G	105.69	Inf	-Inf	98.56	3	Vertical	3	1.43	-	33.70	5.05	31.62
PK	5.3504G	70.81	74.00	-3.19	63.62	3	Vertical	3	1.43	-	33.75	5.02	31.58
AV	5.3504G	53.31	54.00	-0.69	46.12	3	Vertical	3	1.43	-	33.75	5.02	31.58

802.11a_Nss1,(6Mbps)_1TX

17/10/2020

5300MHz_TX



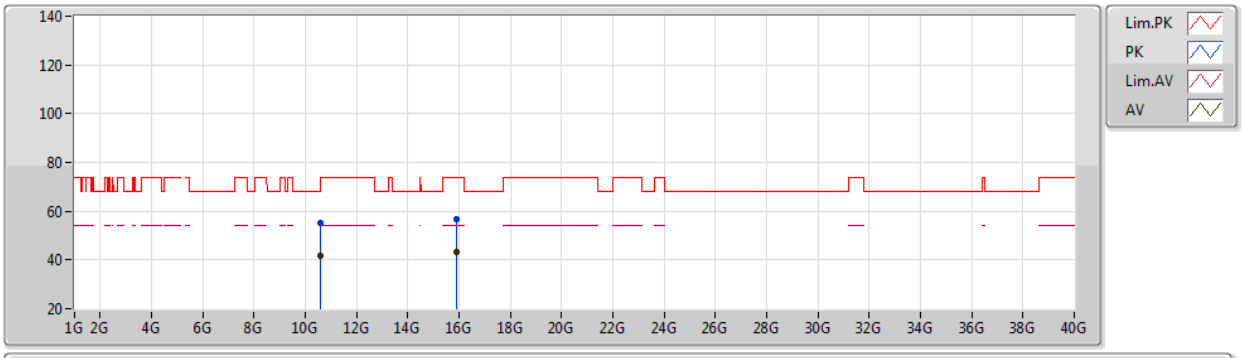
EUT Y_1TX Ant 2
Setting 89
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.2952G	102.39	Inf	-Inf	95.27	3	Horizontal	358	1.80	-	33.69	5.05	31.62
AV	5.294G	92.13	Inf	-Inf	85.01	3	Horizontal	358	1.80	-	33.69	5.05	31.62
PK	5.3864G	58.76	74.00	-15.24	51.52	3	Horizontal	358	1.80	-	33.79	5.01	31.56
AV	5.3564G	46.28	54.00	-7.72	39.08	3	Horizontal	358	1.80	-	33.76	5.02	31.58

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

17/10/2020



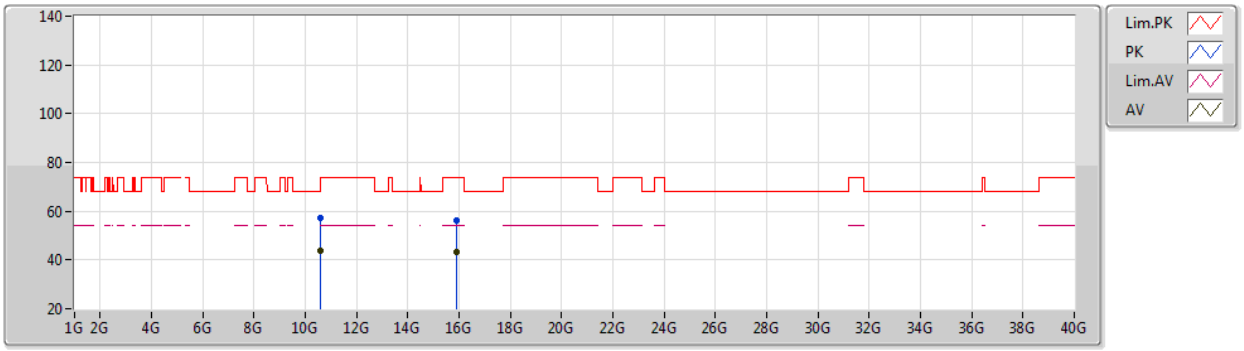
EUT Y_1TX Ant 2
Setting 89
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.5977G	55.23	68.20	-12.97	41.83	3	Vertical	300	1.79	-	38.74	7.31	32.65
AV	10.60058G	41.72	54.00	-12.28	28.32	3	Vertical	300	1.79	-	38.74	7.31	32.65
PK	15.90378G	56.74	74.00	-17.26	42.77	3	Vertical	360	2.86	-	37.68	9.17	32.88
AV	15.89922G	43.38	54.00	-10.62	29.40	3	Vertical	360	2.86	-	37.69	9.16	32.87

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

17/10/2020



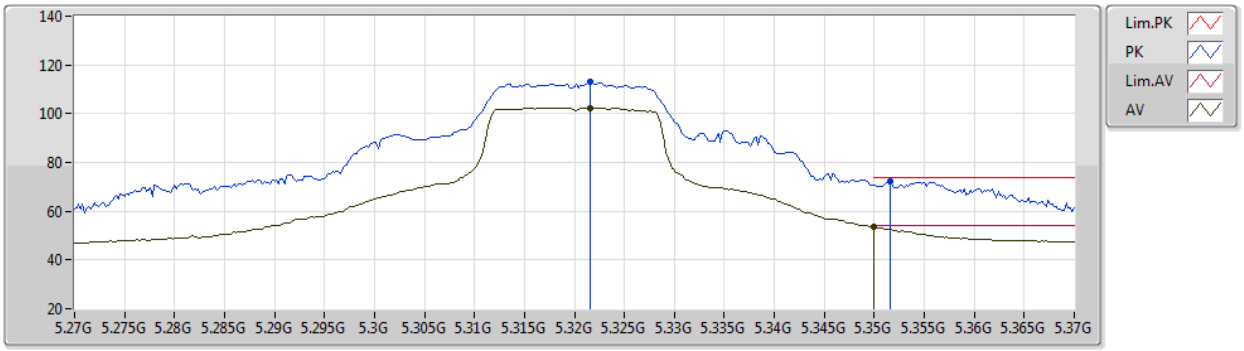
EUT Y_1TX Ant 2
Setting 89
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.59754G	57.22	68.20	-10.98	43.82	3	Horizontal	151	2.04	-	38.74	7.31	32.65
AV	10.60124G	43.55	54.00	-10.45	30.15	3	Horizontal	151	2.04	-	38.74	7.31	32.65
PK	15.90436G	56.32	74.00	-17.68	42.35	3	Horizontal	296	2.40	-	37.68	9.17	32.88
AV	15.89826G	43.46	54.00	-10.54	29.47	3	Horizontal	296	2.40	-	37.70	9.16	32.87

802.11a_Nss1,(6Mbps)_1TX

17/10/2020

5320MHz_TX



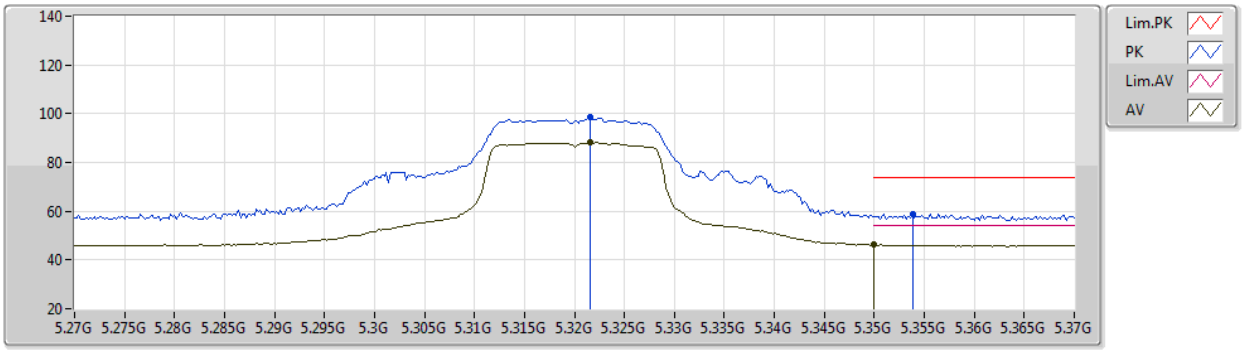
EUT Y_1TX Ant 2
Setting 77
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3216G	112.86	Inf	-Inf	105.70	3	Vertical	19	1.50	-	33.72	5.04	31.60
AV	5.3216G	102.50	Inf	-Inf	95.34	3	Vertical	19	1.50	-	33.72	5.04	31.60
PK	5.3516G	72.08	74.00	-1.92	64.89	3	Vertical	19	1.50	-	33.75	5.02	31.58
AV	5.35G	53.38	54.00	-0.62	46.19	3	Vertical	19	1.50	-	33.75	5.03	31.59

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

17/10/2020



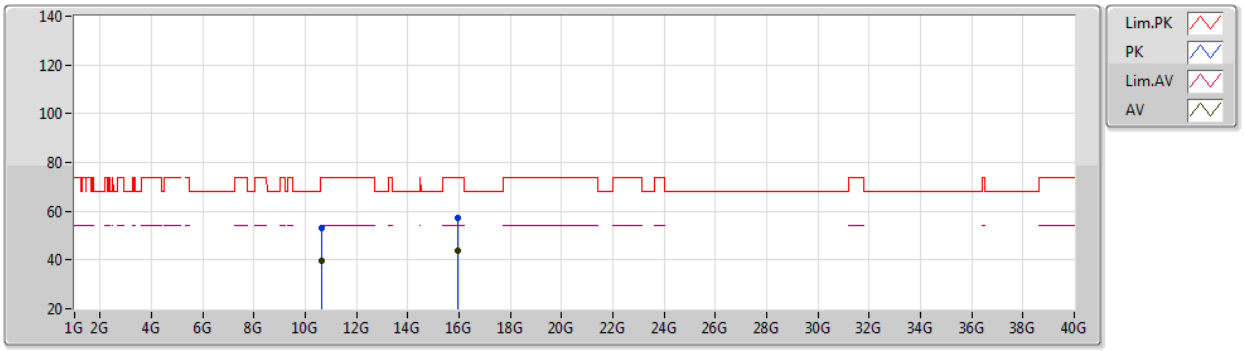
EUT Y_1TX Ant 2
Setting 77
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3216G	98.46	Inf	-Inf	91.30	3	Horizontal	354	1.17	-	33.72	5.04	31.60
AV	5.3216G	88.10	Inf	-Inf	80.94	3	Horizontal	354	1.17	-	33.72	5.04	31.60
PK	5.3538G	58.79	74.00	-15.21	51.60	3	Horizontal	354	1.17	-	33.75	5.02	31.58
AV	5.35G	46.34	54.00	-7.66	39.15	3	Horizontal	354	1.17	-	33.75	5.03	31.59

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

17/10/2020



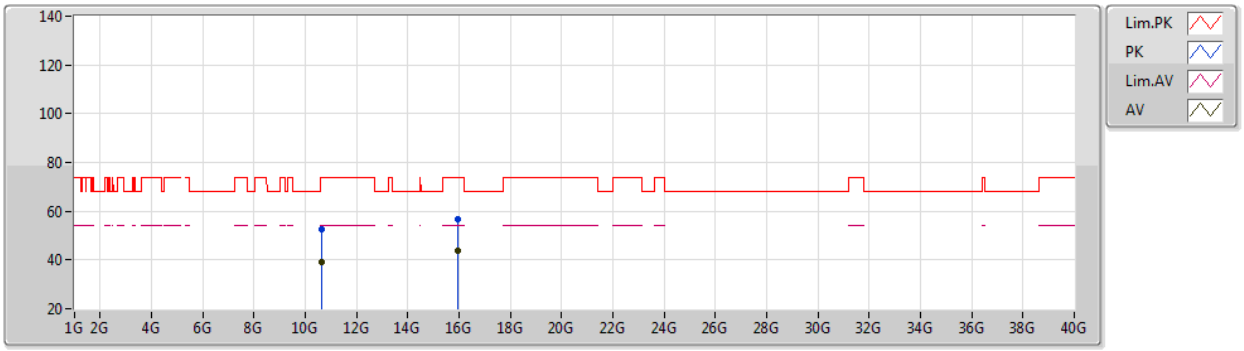
EUT Y_1TX Ant 2
Setting 77
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.63904G	52.97	74.00	-21.03	39.59	3	Vertical	301	1.80	-	38.72	7.32	32.66
AV	10.64456G	39.65	54.00	-14.35	26.27	3	Vertical	301	1.80	-	38.71	7.33	32.66
PK	15.9611G	57.09	74.00	-16.91	43.27	3	Vertical	205	1.76	-	37.51	9.19	32.88
AV	15.96344G	43.65	54.00	-10.35	29.83	3	Vertical	205	1.76	-	37.51	9.19	32.88

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

17/10/2020



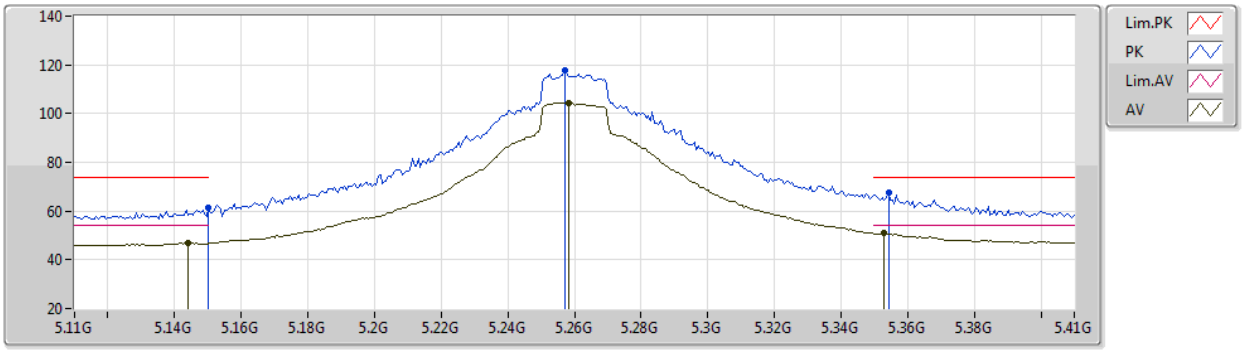
EUT Y_1TX Ant 2
Setting 77
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.64248G	52.70	74.00	-21.30	39.33	3	Horizontal	150	1.94	-	38.71	7.32	32.66
AV	10.63926G	39.20	54.00	-14.80	25.82	3	Horizontal	150	1.94	-	38.72	7.32	32.66
PK	15.95852G	56.66	74.00	-17.34	42.83	3	Horizontal	350	1.80	-	37.52	9.19	32.88
AV	15.96006G	43.76	54.00	-10.24	29.93	3	Horizontal	350	1.80	-	37.52	9.19	32.88

802.11ax HEW20_Nss1,(MCS0)_1TX

5260MHz_TX

17/10/2020



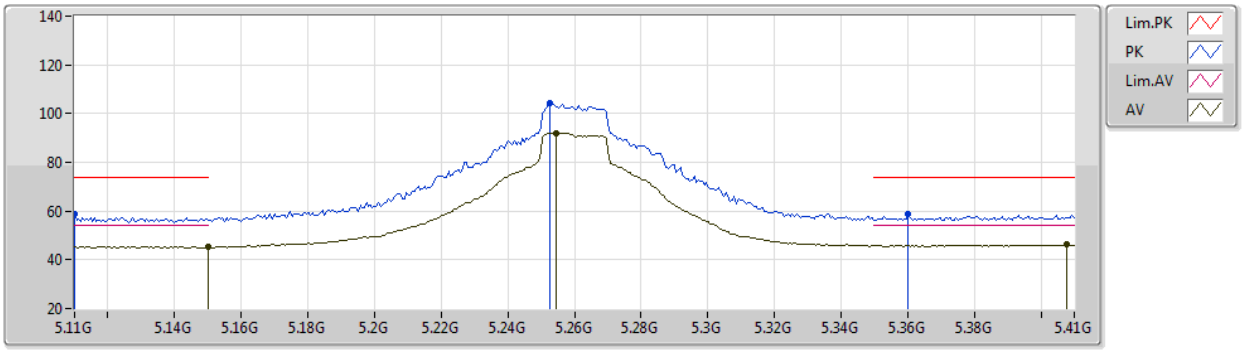
EUT Y_1TX Ant 2
Setting 94
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	61.14	74.00	-12.86	54.42	3	Vertical	0	1.80	-	33.45	5.00	31.73
AV	5.1442G	46.93	54.00	-7.07	40.23	3	Vertical	0	1.80	-	33.44	4.99	31.73
PK	5.257G	117.73	Inf	-Inf	110.70	3	Vertical	0	1.80	-	33.61	5.07	31.65
AV	5.2582G	104.45	Inf	-Inf	97.41	3	Vertical	0	1.80	-	33.62	5.07	31.65
PK	5.3542G	67.44	74.00	-6.56	60.25	3	Vertical	0	1.80	-	33.75	5.02	31.58
AV	5.353G	51.00	54.00	-3.00	43.81	3	Vertical	0	1.80	-	33.75	5.02	31.58

802.11ax HEW20_Nss1,(MCS0)_1TX

5260MHz_TX

17/10/2020



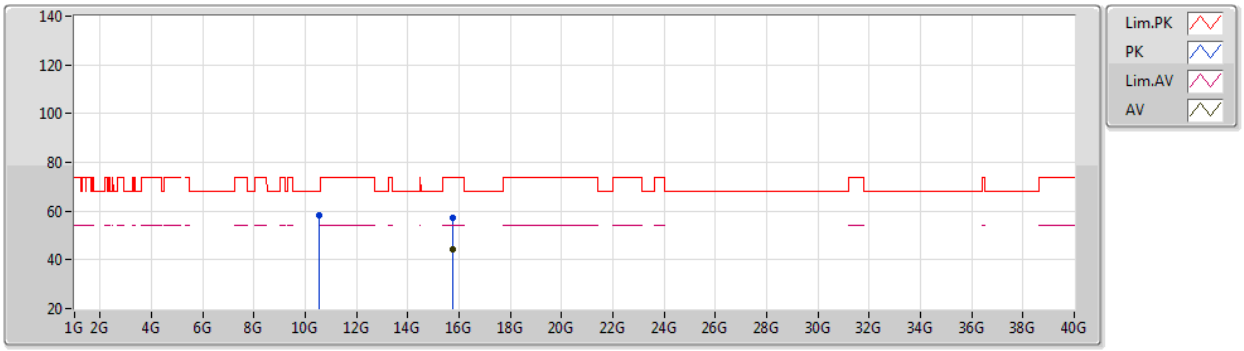
EUT Y_1TX Ant 2
Setting 94
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.11G	58.84	74.00	-15.16	52.26	3	Horizontal	0	1.51	-	33.41	4.92	31.75
AV	5.15G	45.45	54.00	-8.55	38.73	3	Horizontal	0	1.51	-	33.45	5.00	31.73
PK	5.2528G	104.22	Inf	-Inf	97.19	3	Horizontal	0	1.51	-	33.61	5.07	31.65
AV	5.2546G	92.12	Inf	-Inf	85.09	3	Horizontal	0	1.51	-	33.61	5.07	31.65
PK	5.3602G	58.58	74.00	-15.42	51.38	3	Horizontal	0	1.51	-	33.76	5.02	31.58
AV	5.4076G	46.15	54.00	-7.85	38.87	3	Horizontal	0	1.51	-	33.81	5.01	31.54

802.11ax HEW20_Nss1,(MCS0)_1TX

5260MHz_TX

17/10/2020



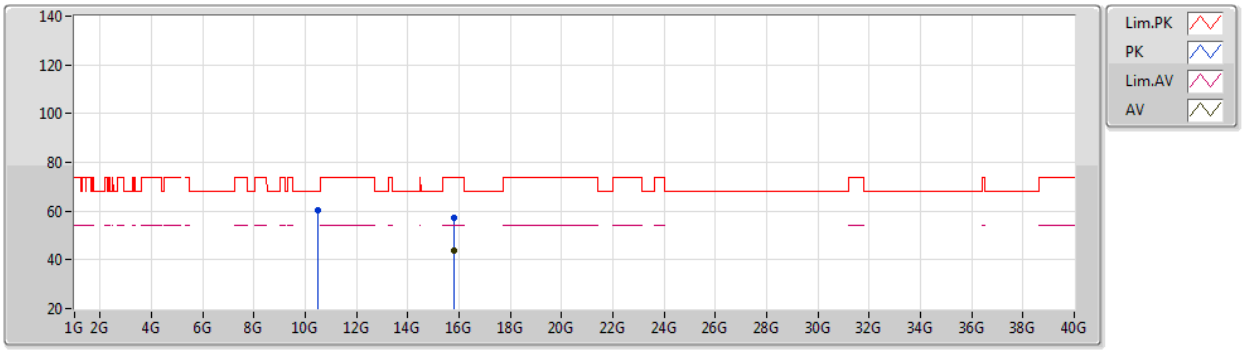
EUT Y_1TX Ant 2
Setting 94
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.51648G	58.23	68.20	-9.97	44.78	3	Vertical	189	1.67	-	38.79	7.28	32.62
PK	15.7763G	57.29	74.00	-16.71	42.99	3	Vertical	360	2.95	-	38.05	9.12	32.87
AV	15.77696G	44.11	54.00	-9.89	29.81	3	Vertical	360	2.95	-	38.05	9.12	32.87

802.11ax HEW20_Nss1,(MCS0)_1TX

5260MHz_TX

17/10/2020



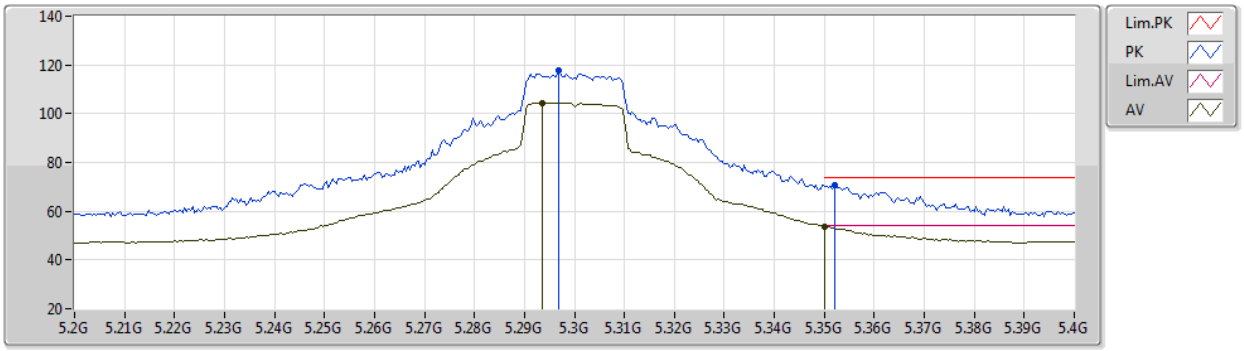
EUT Y_1TX Ant 2
Setting 94
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.51626G	60.14	68.20	-8.06	46.69	3	Horizontal	355	2.42	-	38.79	7.28	32.62
PK	15.78438G	57.16	74.00	-16.84	42.88	3	Horizontal	260	1.72	-	38.03	9.12	32.87
AV	15.78062G	43.79	54.00	-10.21	29.50	3	Horizontal	260	1.72	-	38.04	9.12	32.87

802.11ax HEW20_Nss1,(MCS0)_1TX

5300MHz_TX

17/10/2020



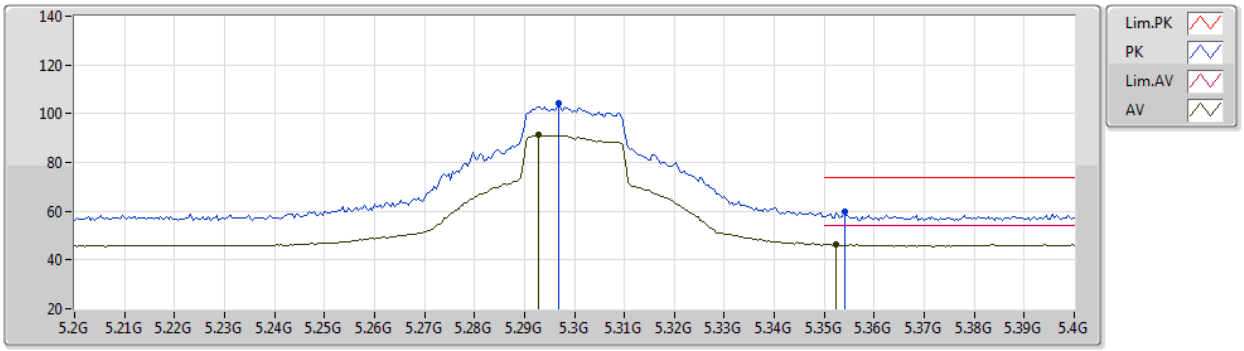
EUT Y_1TX Ant 2
Setting 86
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.2968G	117.85	Inf	-Inf	110.73	3	Vertical	20	1.43	-	33.69	5.05	31.62
AV	5.2936G	104.56	Inf	-Inf	97.44	3	Vertical	20	1.43	-	33.69	5.05	31.62
PK	5.352G	70.62	74.00	-3.38	63.43	3	Vertical	20	1.43	-	33.75	5.02	31.58
AV	5.35G	53.74	54.00	-0.26	46.55	3	Vertical	20	1.43	-	33.75	5.03	31.59

802.11ax HEW20_Nss1,(MCS0)_1TX

5300MHz_TX

17/10/2020



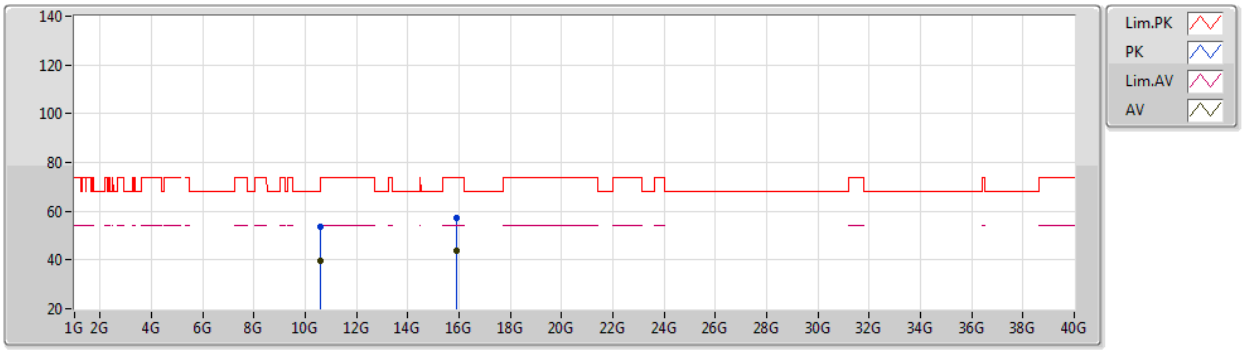
EUT Y_1TX Ant 2
Setting 86
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.2968G	104.20	Inf	-Inf	97.08	3	Horizontal	358	1.80	-	33.69	5.05	31.62
AV	5.2928G	91.15	Inf	-Inf	84.04	3	Horizontal	358	1.80	-	33.69	5.05	31.63
PK	5.354G	60.05	74.00	-13.95	52.86	3	Horizontal	358	1.80	-	33.75	5.02	31.58
AV	5.3524G	46.48	54.00	-7.52	39.29	3	Horizontal	358	1.80	-	33.75	5.02	31.58

802.11ax HEW20_Nss1,(MCS0)_1TX

5300MHz_TX

17/10/2020



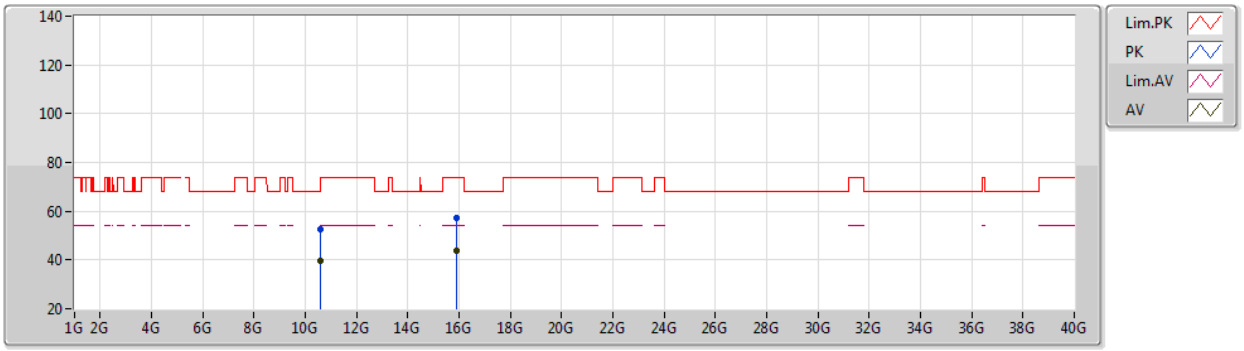
EUT Y_1TX Ant 2
Setting 86
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.6001G	53.75	74.00	-20.25	40.35	3	Vertical	301	1.66	-	38.74	7.31	32.65
AV	10.60068G	39.64	54.00	-14.36	26.24	3	Vertical	301	1.66	-	38.74	7.31	32.65
PK	15.9044G	57.05	74.00	-16.95	43.08	3	Vertical	238	1.80	-	37.68	9.17	32.88
AV	15.9025G	43.77	54.00	-10.23	29.80	3	Vertical	238	1.80	-	37.68	9.17	32.88

802.11ax HEW20_Nss1,(MCS0)_1TX

5300MHz_TX

17/10/2020



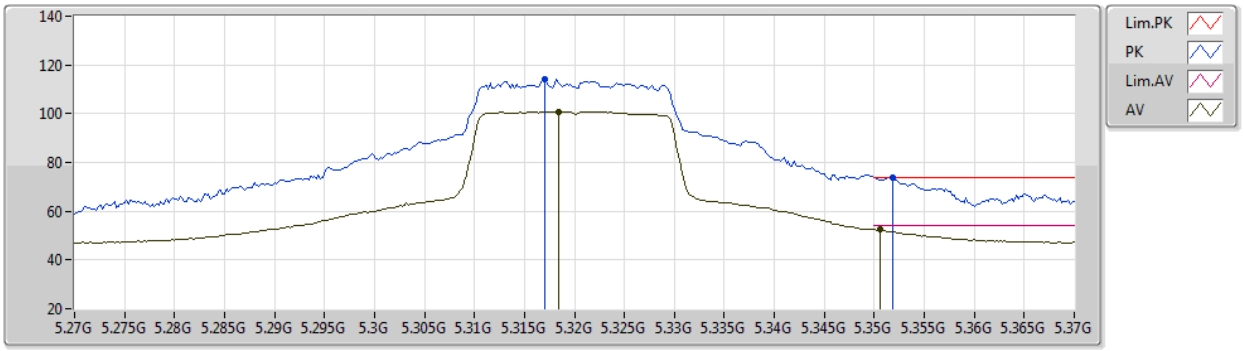
EUT Y_1TX Ant 2
Setting 86
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.6002G	52.61	74.00	-21.39	39.21	3	Horizontal	96	1.60	-	38.74	7.31	32.65
AV	10.60084G	39.59	54.00	-14.41	26.19	3	Horizontal	96	1.60	-	38.74	7.31	32.65
PK	15.90176G	57.04	74.00	-16.96	43.07	3	Horizontal	225	1.16	-	37.68	9.17	32.88
AV	15.895G	43.77	54.00	-10.23	29.78	3	Horizontal	225	1.16	-	37.70	9.16	32.87

802.11ax HEW20_Nss1,(MCS0)_1TX

5320MHz_TX

17/10/2020



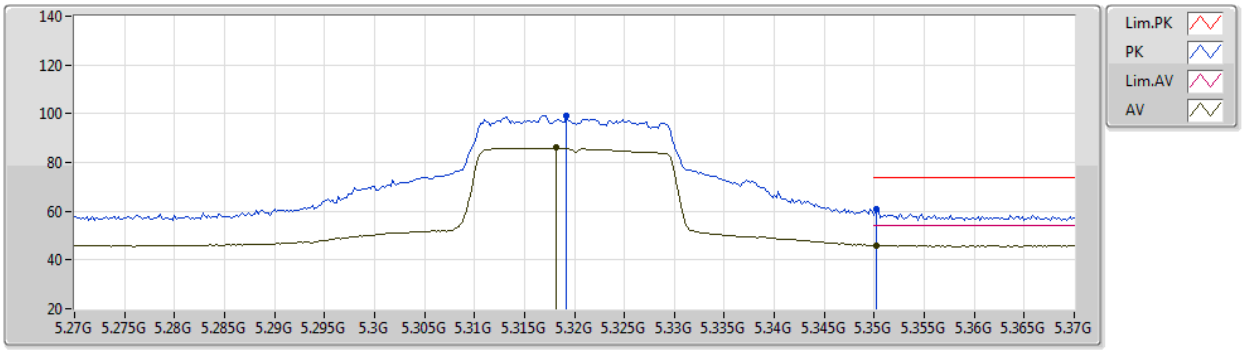
EUT Y_1TX Ant 2
Setting 71
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.317G	114.00	Inf	-Inf	106.85	3	Vertical	18	1.49	-	33.72	5.04	31.61
AV	5.3184G	100.85	Inf	-Inf	93.70	3	Vertical	18	1.49	-	33.72	5.04	31.61
PK	5.3518G	73.91	74.00	-0.09	66.72	3	Vertical	18	1.49	-	33.75	5.02	31.58
AV	5.3506G	52.56	54.00	-1.44	45.37	3	Vertical	18	1.49	-	33.75	5.02	31.58

802.11ax HEW20_Nss1,(MCS0)_1TX

5320MHz_TX

17/10/2020



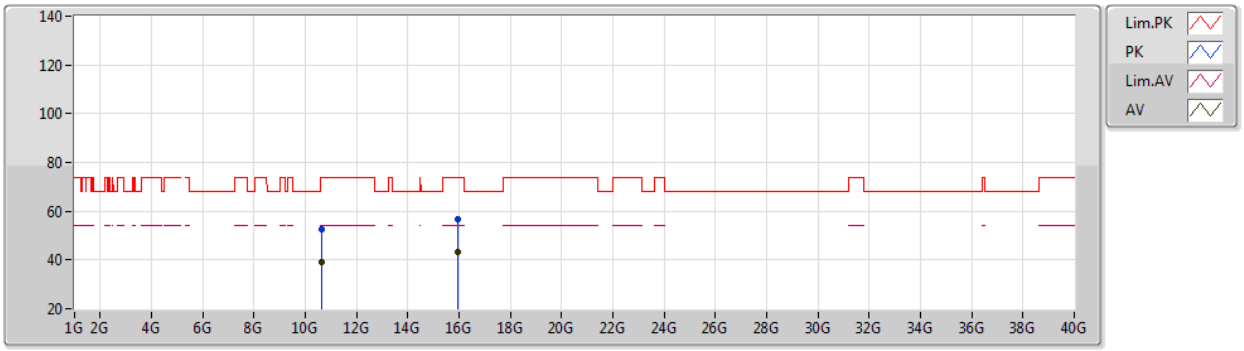
EUT Y_1TX Ant 2
Setting 71
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3192G	99.25	Inf	-Inf	92.10	3	Horizontal	355	1.26	-	33.72	5.04	31.61
AV	5.3182G	85.97	Inf	-Inf	78.82	3	Horizontal	355	1.26	-	33.72	5.04	31.61
PK	5.3502G	60.79	74.00	-13.21	53.60	3	Horizontal	355	1.26	-	33.75	5.02	31.58
AV	5.3502G	46.00	54.00	-8.00	38.81	3	Horizontal	355	1.26	-	33.75	5.02	31.58

802.11ax HEW20_Nss1,(MCS0)_1TX

5320MHz_TX

17/10/2020



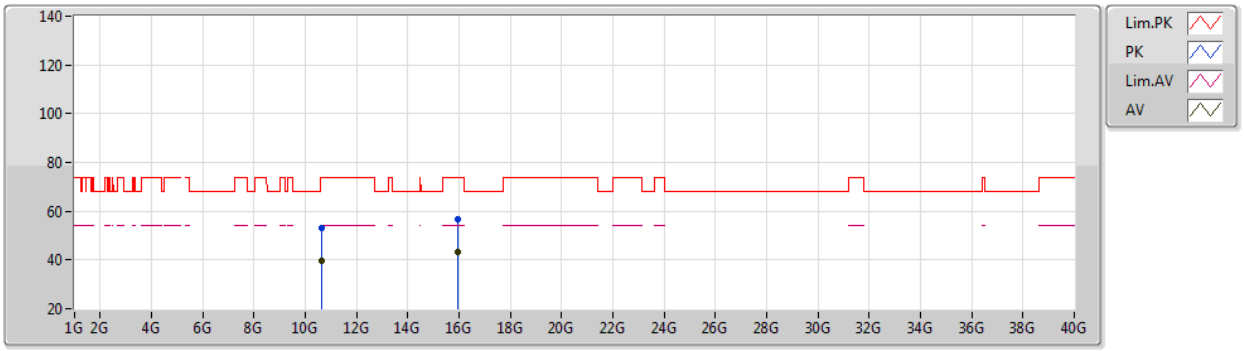
EUT Y_1TX Ant 2
Setting 71
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.63888G	52.67	74.00	-21.33	39.29	3	Vertical	261	1.80	-	38.72	7.32	32.66
AV	10.64186G	39.28	54.00	-14.72	25.91	3	Vertical	261	1.80	-	38.71	7.32	32.66
PK	15.9649G	56.71	74.00	-17.29	42.90	3	Vertical	299	1.81	-	37.50	9.19	32.88
AV	15.96286G	43.34	54.00	-10.66	29.52	3	Vertical	299	1.81	-	37.51	9.19	32.88

802.11ax HEW20_Nss1,(MCS0)_1TX

5320MHz_TX

17/10/2020



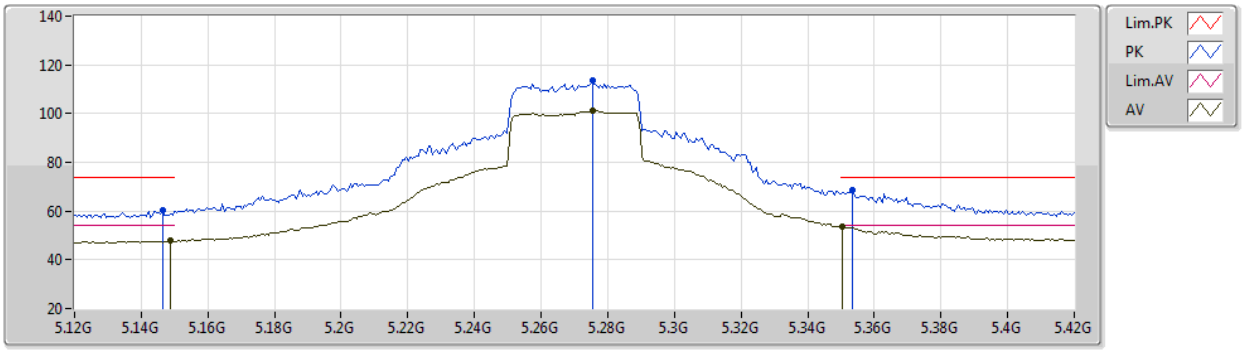
EUT Y_1TX Ant 2
Setting 71
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.64378G	52.97	74.00	-21.03	39.59	3	Horizontal	151	2.08	-	38.71	7.33	32.66
AV	10.6392G	39.54	54.00	-14.46	26.16	3	Horizontal	151	2.08	-	38.72	7.32	32.66
PK	15.95912G	56.53	74.00	-17.47	42.70	3	Horizontal	165	1.80	-	37.52	9.19	32.88
AV	15.96046G	43.36	54.00	-10.64	29.54	3	Horizontal	165	1.80	-	37.51	9.19	32.88

802.11ax HEW40_Nss1,(MCS0)_1TX

5270MHz_TX

17/10/2020



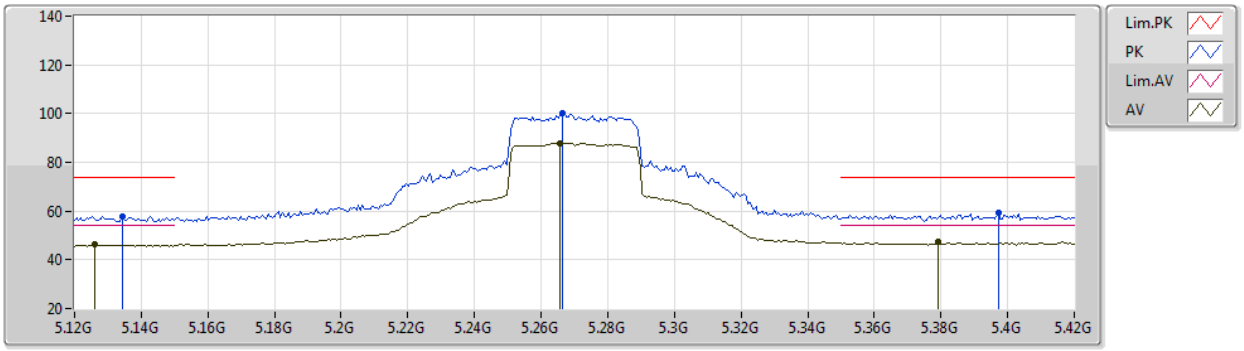
EUT Y_1TX Ant 2
Setting 82
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1464G	60.16	74.00	-13.84	53.45	3	Vertical	0	2.17	-	33.45	4.99	31.73
AV	5.1488G	47.73	54.00	-6.27	41.01	3	Vertical	0	2.17	-	33.45	5.00	31.73
PK	5.2754G	113.43	Inf	-Inf	106.36	3	Vertical	0	2.17	-	33.65	5.06	31.64
AV	5.2754G	101.26	Inf	-Inf	94.19	3	Vertical	0	2.17	-	33.65	5.06	31.64
PK	5.3534G	68.75	74.00	-5.25	61.56	3	Vertical	0	2.17	-	33.75	5.02	31.58
AV	5.3504G	53.66	54.00	-0.34	46.47	3	Vertical	0	2.17	-	33.75	5.02	31.58

802.11ax HEW40_Nss1,(MCS0)_1TX

5270MHz_TX

17/10/2020



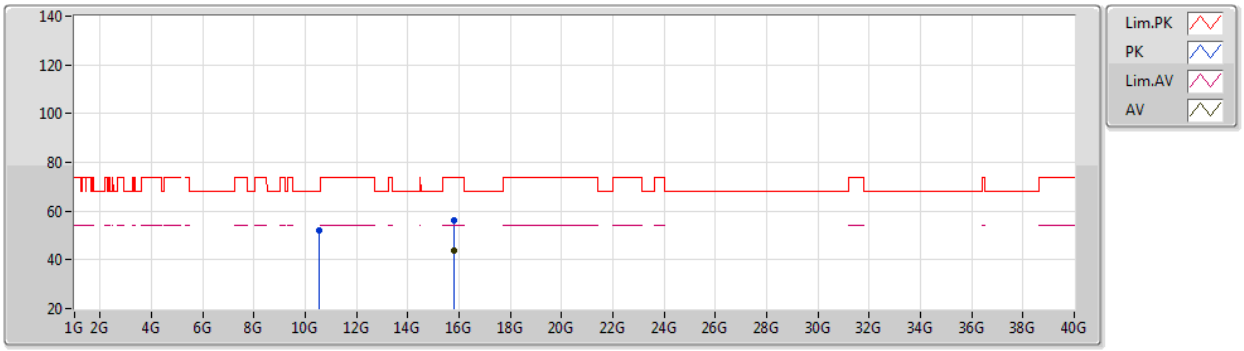
EUT Y_1TX Ant 2
Setting 82
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1344G	58.01	74.00	-15.99	51.35	3	Horizontal	360	1.48	-	33.43	4.97	31.74
AV	5.126G	46.28	54.00	-7.72	39.64	3	Horizontal	360	1.48	-	33.43	4.95	31.74
PK	5.2664G	100.34	Inf	-Inf	93.28	3	Horizontal	360	1.48	-	33.63	5.07	31.64
AV	5.2658G	88.00	Inf	-Inf	80.94	3	Horizontal	360	1.48	-	33.63	5.07	31.64
PK	5.3972G	59.12	74.00	-14.88	51.87	3	Horizontal	360	1.48	-	33.80	5.00	31.55
AV	5.3792G	47.51	54.00	-6.49	40.28	3	Horizontal	360	1.48	-	33.78	5.01	31.56

802.11ax HEW40_Nss1,(MCS0)_1TX

5270MHz_TX

17/10/2020



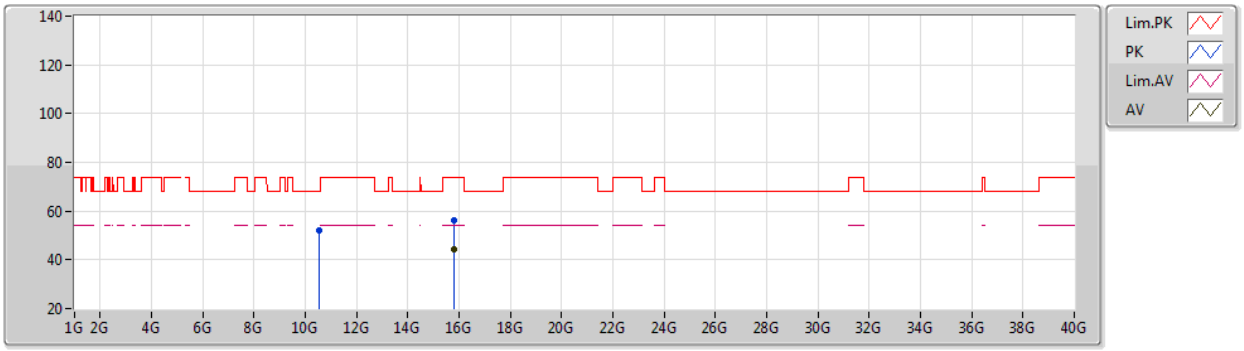
EUT Y_1TX Ant 2
Setting 82
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.53744G	52.31	68.20	-15.89	38.87	3	Vertical	207	2.67	-	38.78	7.29	32.63
PK	15.8101G	56.05	74.00	-17.95	41.84	3	Vertical	5	2.04	-	37.95	9.13	32.87
AV	15.80898G	44.05	54.00	-9.95	29.84	3	Vertical	5	2.04	-	37.95	9.13	32.87

802.11ax HEW40_Nss1,(MCS0)_1TX

5270MHz_TX

17/10/2020



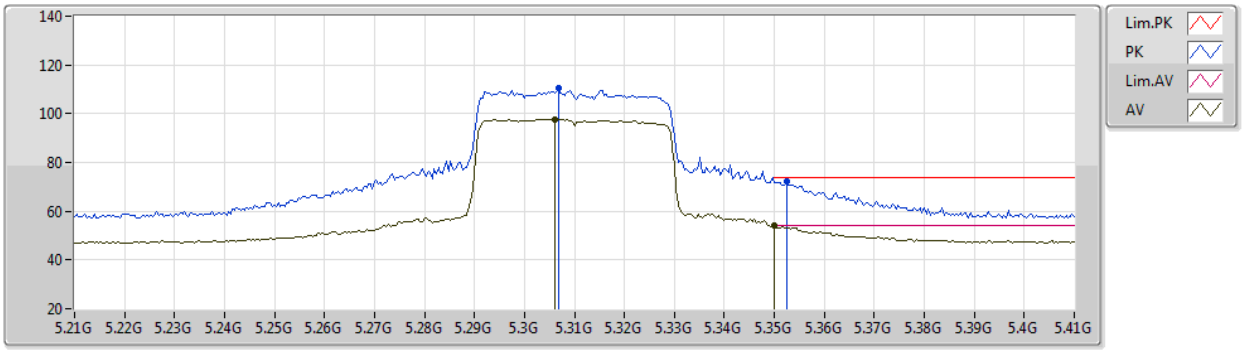
EUT Y_1TX Ant 2
Setting 82
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.53906G	52.22	68.20	-15.98	38.78	3	Horizontal	335	1.38	-	38.78	7.29	32.63
PK	15.8077G	56.41	74.00	-17.59	42.19	3	Horizontal	154	2.42	-	37.96	9.13	32.87
AV	15.81324G	44.37	54.00	-9.63	30.17	3	Horizontal	154	2.42	-	37.94	9.13	32.87

802.11ax HEW40_Nss1,(MCS0)_1TX

5310MHz_TX

17/10/2020



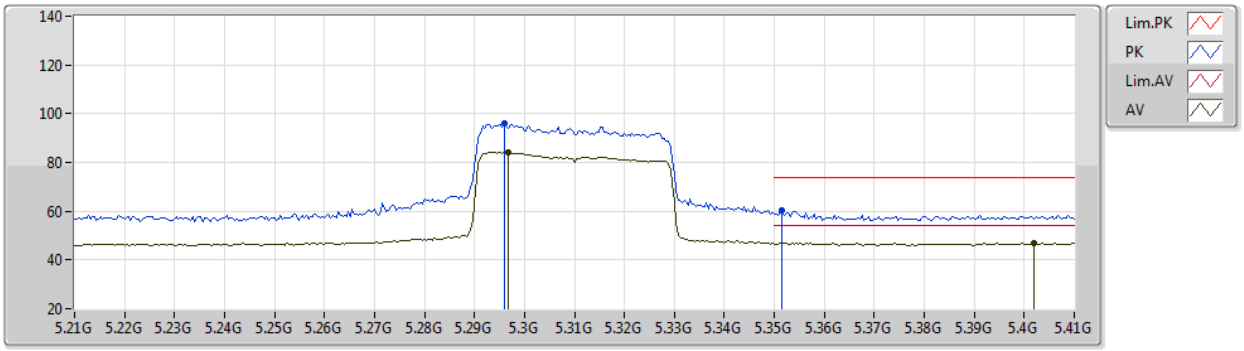
EUT Y_1TX Ant 2
Setting 67
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3068G	110.41	Inf	-Inf	103.27	3	Vertical	15	1.51	-	33.71	5.05	31.62
AV	5.306G	97.81	Inf	-Inf	90.67	3	Vertical	15	1.51	-	33.71	5.05	31.62
PK	5.3524G	72.39	74.00	-1.61	65.20	3	Vertical	15	1.51	-	33.75	5.02	31.58
AV	5.35G	53.90	54.00	-0.10	46.71	3	Vertical	15	1.51	-	33.75	5.03	31.59

802.11ax HEW40_Nss1,(MCS0)_1TX

17/10/2020

5310MHz_TX



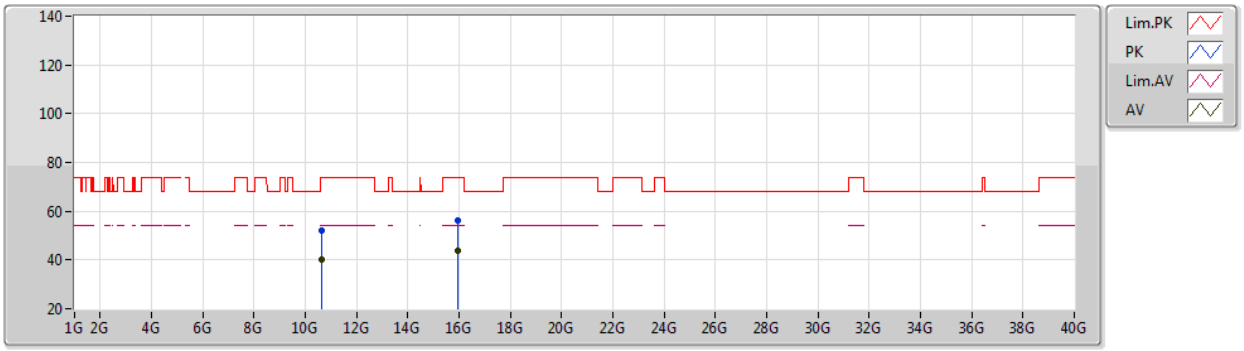
EUT Y_1TX Ant 2
Setting 67
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.296G	95.99	Inf	-Inf	88.87	3	Horizontal	360	1.80	-	33.69	5.05	31.62
AV	5.2968G	84.16	Inf	-Inf	77.04	3	Horizontal	360	1.80	-	33.69	5.05	31.62
PK	5.3516G	60.47	74.00	-13.53	53.28	3	Horizontal	360	1.80	-	33.75	5.02	31.58
AV	5.402G	47.01	54.00	-6.99	39.76	3	Horizontal	360	1.80	-	33.80	5.00	31.55

802.11ax HEW40_Nss1,(MCS0)_1TX

5310MHz_TX

17/10/2020



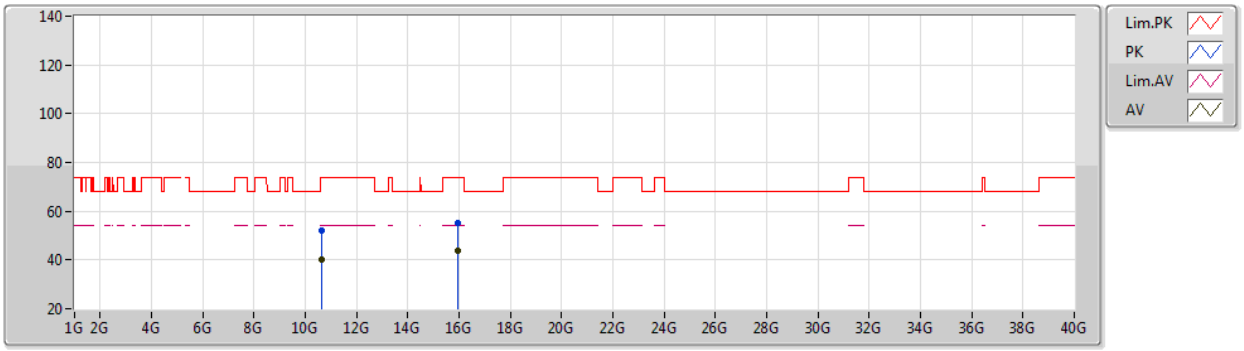
EUT Y_1TX Ant 2
Setting 67
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.62476G	52.15	74.00	-21.85	38.75	3	Vertical	56	2.99	-	38.73	7.32	32.65
AV	10.6207G	40.12	54.00	-13.88	26.72	3	Vertical	56	2.99	-	38.73	7.32	32.65
PK	15.9341G	56.43	74.00	-17.57	42.54	3	Vertical	7	1.68	-	37.59	9.18	32.88
AV	15.93404G	43.74	54.00	-10.26	29.85	3	Vertical	7	1.68	-	37.59	9.18	32.88

802.11ax HEW40_Nss1,(MCS0)_1TX

5310MHz_TX

17/10/2020



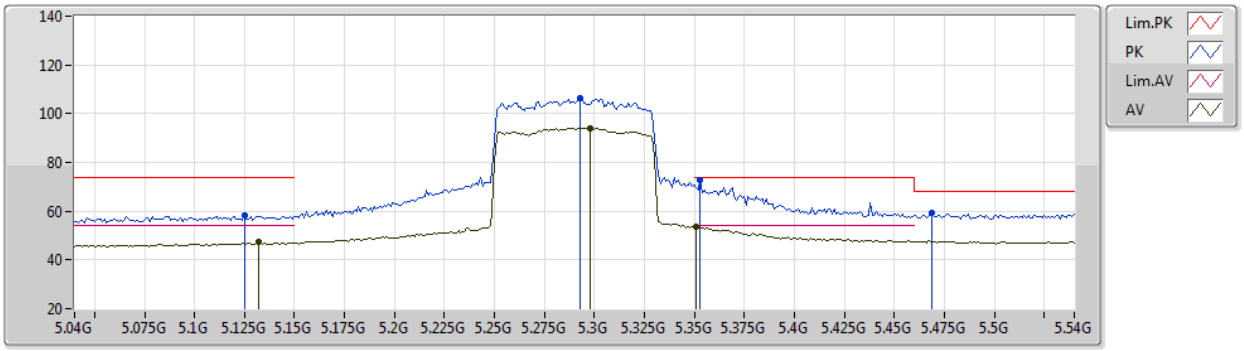
EUT Y_1TX Ant 2
Setting 67
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.62238G	52.04	74.00	-21.96	38.64	3	Horizontal	54	1.29	-	38.73	7.32	32.65
AV	10.62238G	40.00	54.00	-14.00	26.60	3	Horizontal	54	1.29	-	38.73	7.32	32.65
PK	15.93416G	55.42	74.00	-18.58	41.53	3	Horizontal	254	2.63	-	37.59	9.18	32.88
AV	15.9348G	43.71	54.00	-10.29	29.82	3	Horizontal	254	2.63	-	37.59	9.18	32.88

802.11ax HEW80_Nss1,(MCS0)_1TX

5290MHz_TX

17/10/2020



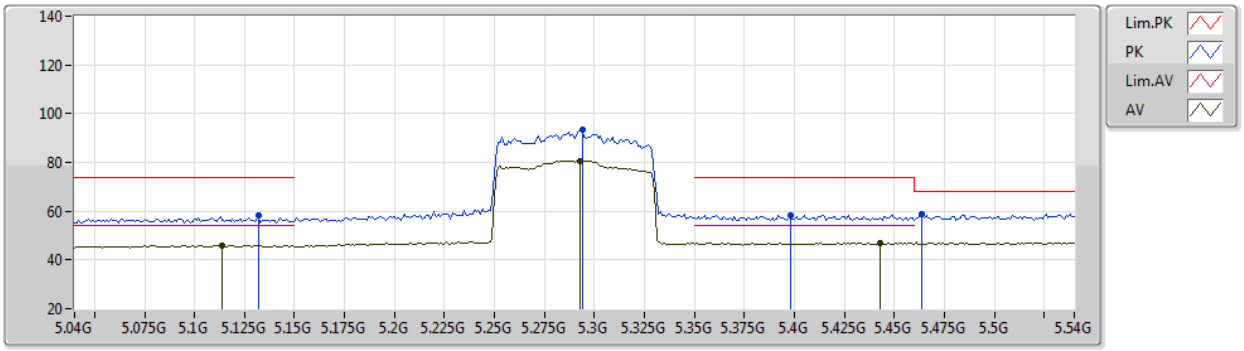
EUT Y_1TX Ant 2
Setting 64
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.125G	58.21	74.00	-15.79	51.58	3	Vertical	14	1.43	-	33.42	4.95	31.74
AV	5.132G	47.17	54.00	-6.83	40.52	3	Vertical	14	1.43	-	33.43	4.96	31.74
PK	5.293G	106.57	Inf	-Inf	99.45	3	Vertical	14	1.43	-	33.69	5.05	31.62
AV	5.298G	94.06	Inf	-Inf	86.93	3	Vertical	14	1.43	-	33.70	5.05	31.62
PK	5.353G	72.71	74.00	-1.29	65.52	3	Vertical	14	1.43	-	33.75	5.02	31.58
AV	5.351G	53.84	54.00	-0.16	46.65	3	Vertical	14	1.43	-	33.75	5.02	31.58
PK	5.469G	59.47	68.20	-8.73	52.02	3	Vertical	14	1.43	-	33.87	5.07	31.49

802.11ax HEW80_Nss1,(MCS0)_1TX

5290MHz_TX

17/10/2020



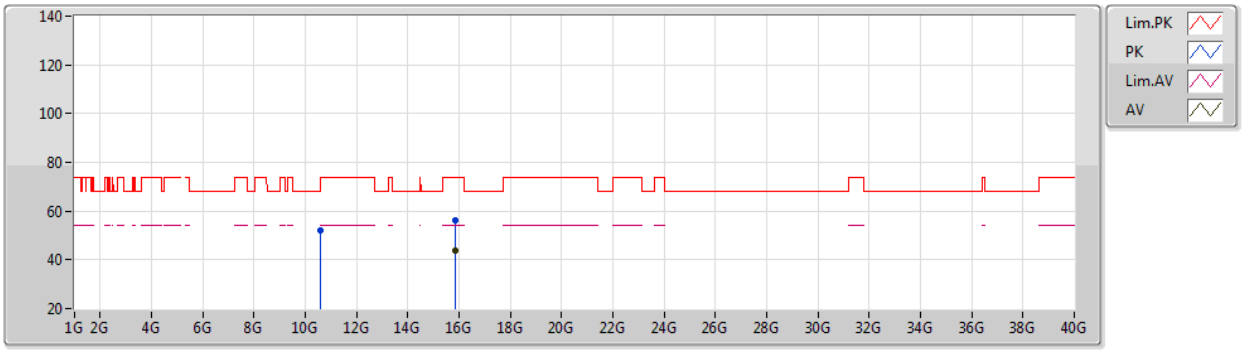
EUT Y_1TX Ant 2
Setting 64
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.132G	58.13	74.00	-15.87	51.48	3	Horizontal	360	1.80	-	33.43	4.96	31.74
AV	5.114G	45.94	54.00	-8.06	39.35	3	Horizontal	360	1.80	-	33.41	4.93	31.75
PK	5.294G	93.23	Inf	-Inf	86.11	3	Horizontal	360	1.80	-	33.69	5.05	31.62
AV	5.293G	80.67	Inf	-Inf	73.55	3	Horizontal	360	1.80	-	33.69	5.05	31.62
PK	5.398G	58.53	74.00	-15.47	51.28	3	Horizontal	360	1.80	-	33.80	5.00	31.55
AV	5.443G	46.90	54.00	-7.10	39.54	3	Horizontal	360	1.80	-	33.84	5.04	31.52
PK	5.464G	58.79	68.20	-9.41	51.37	3	Horizontal	360	1.80	-	33.86	5.06	31.50

802.11ax HEW80_Nss1,(MCS0)_1TX

5290MHz_TX

17/10/2020



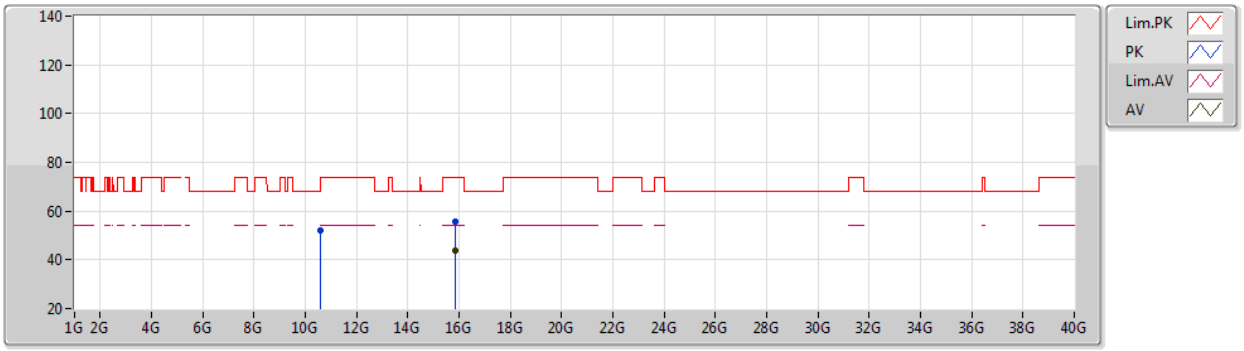
EUT Y_1TX Ant 2
Setting 64
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.57698G	52.16	68.20	-16.04	38.75	3	Vertical	348	1.73	-	38.75	7.30	32.64
PK	15.86934G	56.06	74.00	-17.94	42.00	3	Vertical	54	1.19	-	37.78	9.15	32.87
AV	15.86628G	43.82	54.00	-10.18	29.75	3	Vertical	54	1.19	-	37.79	9.15	32.87

802.11ax HEW80_Nss1,(MCS0)_1TX

5290MHz_TX

17/10/2020



EUT Y_1TX Ant 2
Setting 64
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.5786G	52.29	68.20	-15.91	38.88	3	Horizontal	78	1.03	-	38.75	7.30	32.64
PK	15.86686G	55.93	74.00	-18.07	41.86	3	Horizontal	48	1.92	-	37.79	9.15	32.87
AV	15.8693G	43.86	54.00	-10.14	29.80	3	Horizontal	48	1.92	-	37.78	9.15	32.87

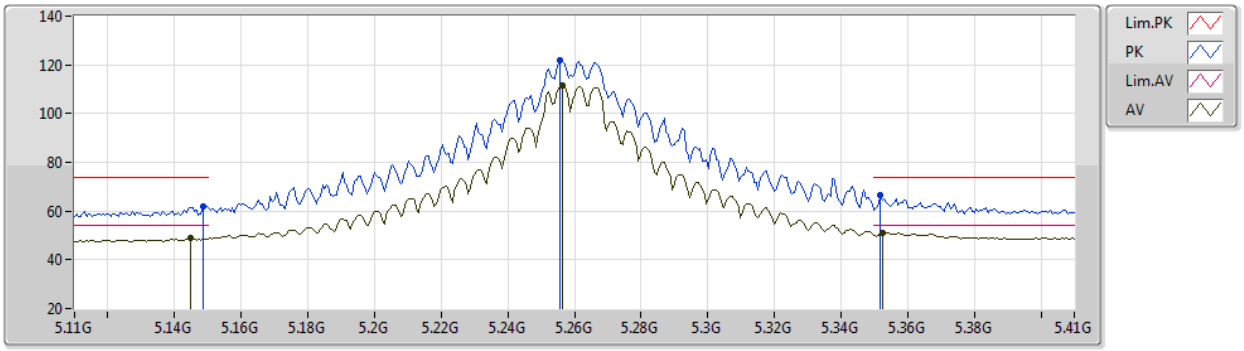
For non beamforming mode 2TX
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.3512G	53.93	54.00	-0.07	3	Vertical	339	1.80	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

04/10/2020



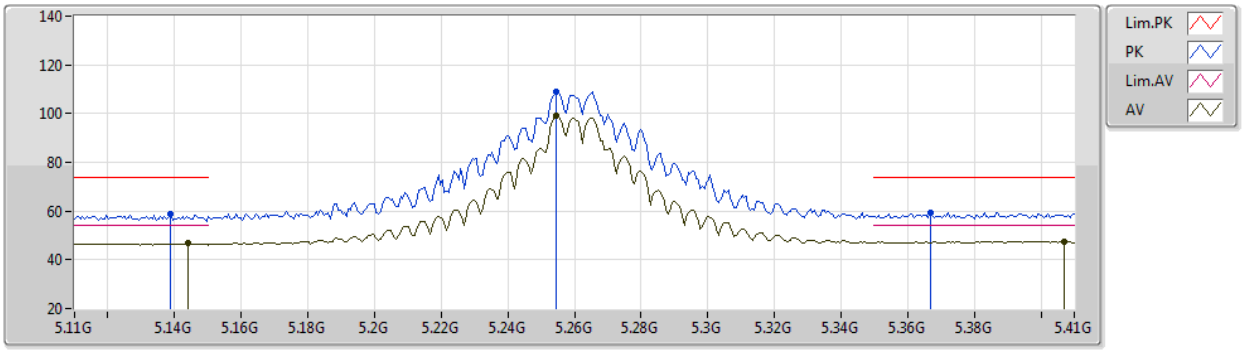
EUT Y_2TX
Setting 91
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1484G	62.12	74.00	-11.88	54.43	3	Vertical	342	1.45	-	33.45	5.97	31.73
AV	5.1448G	48.72	54.00	-5.28	41.04	3	Vertical	342	1.45	-	33.44	5.97	31.73
PK	5.2558G	121.71	Inf	-Inf	113.72	3	Vertical	342	1.45	-	33.61	6.03	31.65
AV	5.2564G	111.47	Inf	-Inf	103.48	3	Vertical	342	1.45	-	33.61	6.03	31.65
PK	5.3518G	66.56	74.00	-7.44	58.31	3	Vertical	342	1.45	-	33.75	6.08	31.58
AV	5.3524G	51.23	54.00	-2.77	42.98	3	Vertical	342	1.45	-	33.75	6.08	31.58

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

04/10/2020



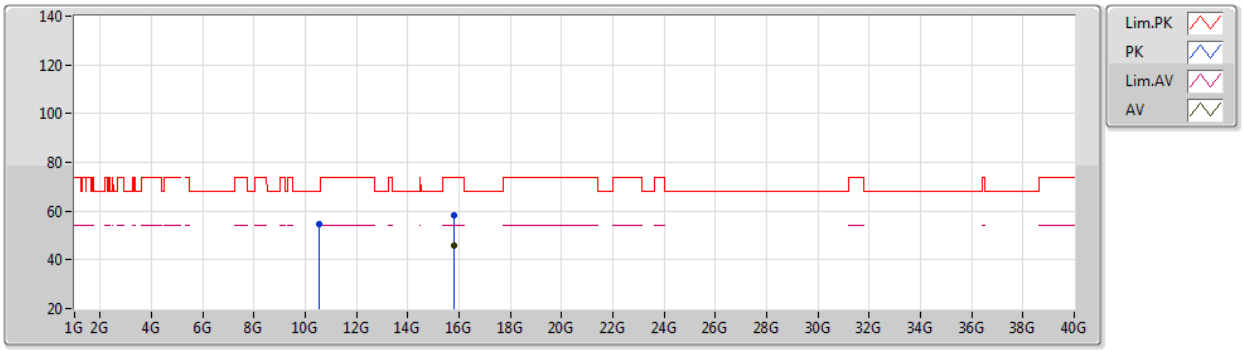
EUT Y_2TX
Setting 91
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1388G	58.55	74.00	-15.45	50.87	3	Horizontal	1	1.25	-	33.44	5.97	31.73
AV	5.1442G	46.67	54.00	-7.33	38.99	3	Horizontal	1	1.25	-	33.44	5.97	31.73
PK	5.2546G	109.12	Inf	-Inf	101.13	3	Horizontal	1	1.25	-	33.61	6.03	31.65
AV	5.2546G	99.05	Inf	-Inf	91.06	3	Horizontal	1	1.25	-	33.61	6.03	31.65
PK	5.3668G	59.50	74.00	-14.50	51.22	3	Horizontal	1	1.25	-	33.77	6.08	31.57
AV	5.407G	47.49	54.00	-6.51	39.11	3	Horizontal	1	1.25	-	33.81	6.11	31.54

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

04/10/2020



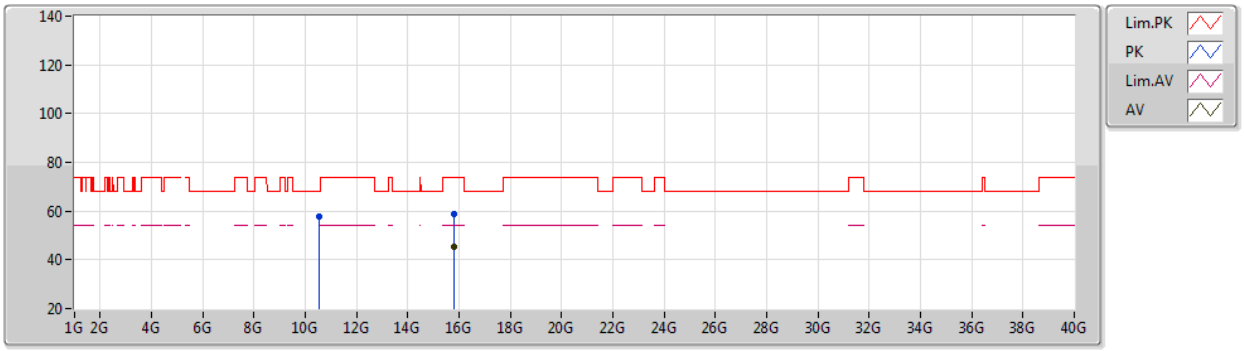
EUT Y_2TX
Setting 91
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.5229G	54.77	68.20	-13.43	40.05	3	Vertical	216	2.40	-	38.79	8.56	32.63
PK	15.78392G	58.08	74.00	-15.92	43.59	3	Vertical	99	1.98	-	38.03	9.33	32.87
AV	15.77966G	45.93	54.00	-8.07	31.43	3	Vertical	99	1.98	-	38.04	9.33	32.87

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

04/10/2020



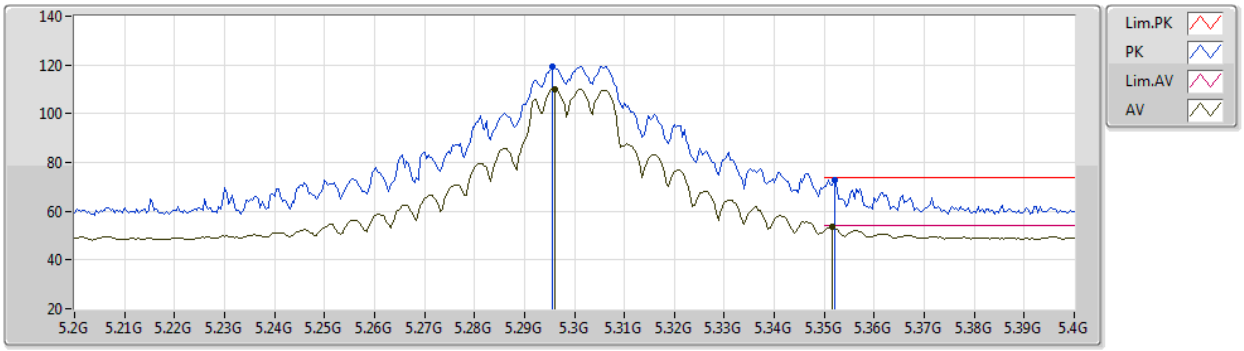
EUT Y_2TX
Setting 91
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.51732G	57.68	68.20	-10.52	42.95	3	Horizontal	106	1.80	-	38.79	8.56	32.62
PK	15.77966G	58.93	74.00	-15.07	44.43	3	Horizontal	145	2.16	-	38.04	9.33	32.87
AV	15.77956G	45.52	54.00	-8.48	31.02	3	Horizontal	145	2.16	-	38.04	9.33	32.87

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

04/10/2020



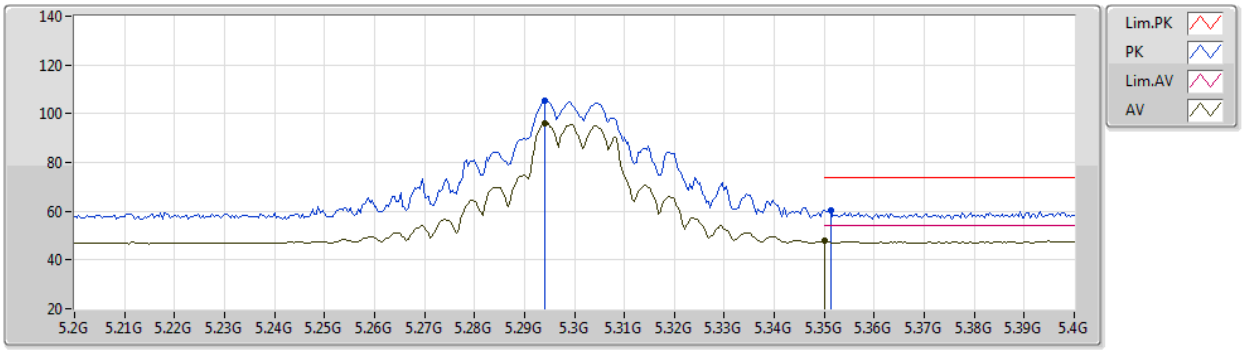
EUT Y_2TX
Setting 82
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.2956G	119.34	Inf	-Inf	111.22	3	Vertical	15	1.80	-	33.69	6.05	31.62
AV	5.296G	109.96	Inf	-Inf	101.84	3	Vertical	15	1.80	-	33.69	6.05	31.62
PK	5.352G	72.92	74.00	-1.08	64.67	3	Vertical	15	1.80	-	33.75	6.08	31.58
AV	5.3516G	53.66	54.00	-0.34	45.41	3	Vertical	15	1.80	-	33.75	6.08	31.58

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

04/10/2020



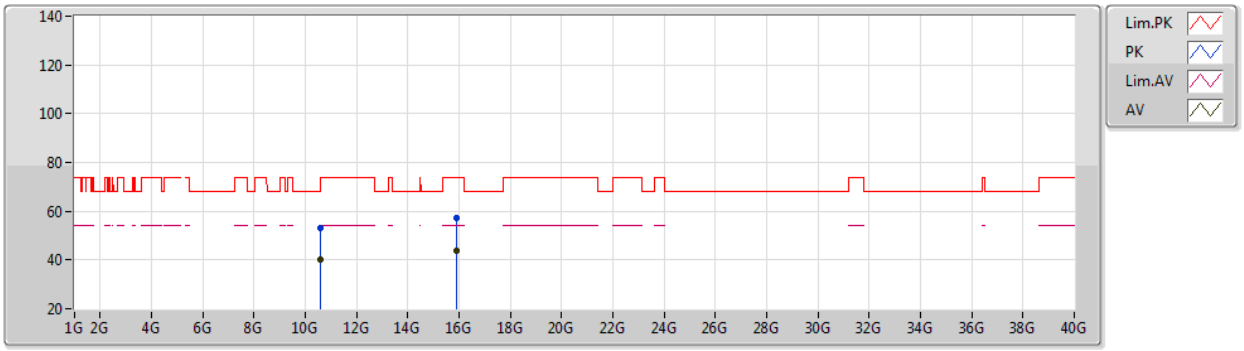
EUT Y_2TX
Setting 82
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.294G	105.30	Inf	-Inf	97.18	3	Horizontal	360	1.54	-	33.69	6.05	31.62
AV	5.294G	96.05	Inf	-Inf	87.93	3	Horizontal	360	1.54	-	33.69	6.05	31.62
PK	5.3512G	60.58	74.00	-13.42	52.33	3	Horizontal	360	1.54	-	33.75	6.08	31.58
AV	5.35G	47.85	54.00	-6.15	39.60	3	Horizontal	360	1.54	-	33.75	6.08	31.58

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

04/10/2020



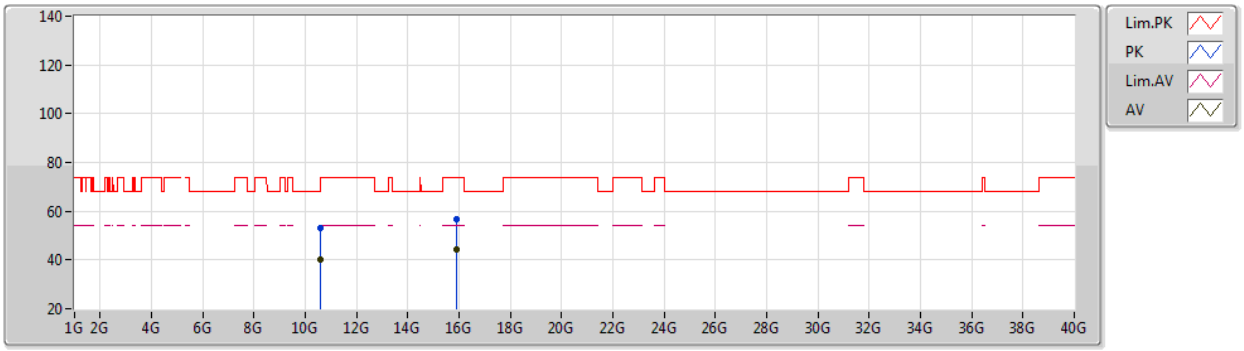
EUT Y_2TX
Setting 82
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.60032G	52.93	74.00	-21.07	38.25	3	Vertical	170	2.89	-	38.74	8.59	32.65
AV	10.60067G	40.34	54.00	-13.66	25.66	3	Vertical	170	2.89	-	38.74	8.59	32.65
PK	15.89812G	57.07	74.00	-16.93	42.87	3	Vertical	358	2.36	-	37.70	9.37	32.87
AV	15.8963G	43.99	54.00	-10.01	29.79	3	Vertical	358	2.36	-	37.70	9.37	32.87

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

04/10/2020



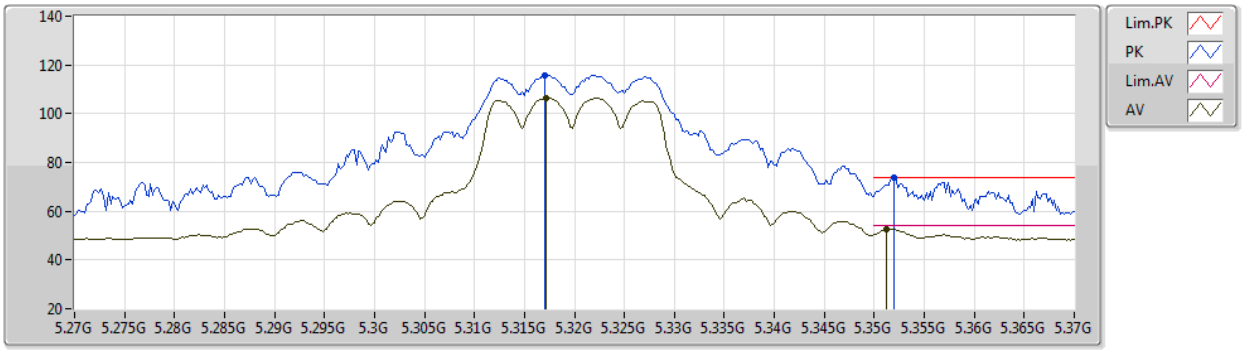
EUT Y_2TX
Setting 82
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.60019G	53.03	74.00	-20.97	38.35	3	Horizontal	191	1.82	-	38.74	8.59	32.65
AV	10.60076G	40.09	54.00	-13.91	25.41	3	Horizontal	191	1.82	-	38.74	8.59	32.65
PK	15.90208G	56.93	74.00	-17.07	42.76	3	Horizontal	270	2.98	-	37.68	9.37	32.88
AV	15.8968G	44.17	54.00	-9.83	29.97	3	Horizontal	270	2.98	-	37.70	9.37	32.87

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

04/10/2020



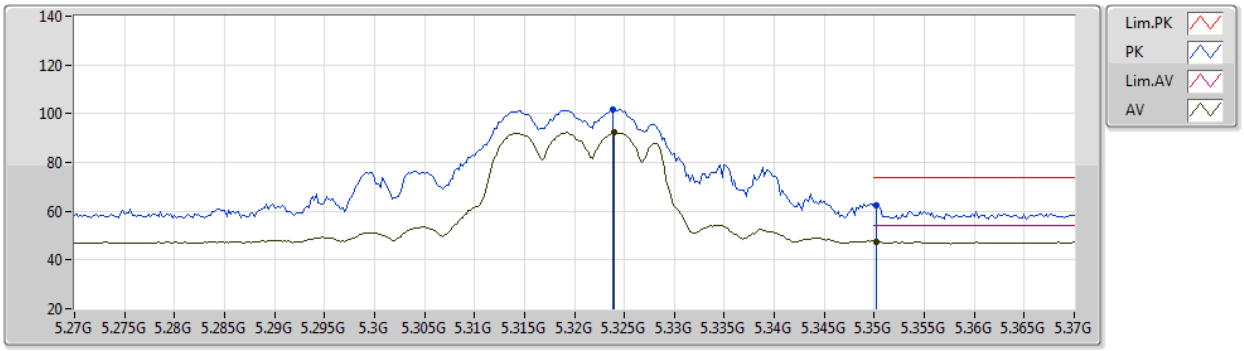
EUT Y_2TX
Setting 70
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.317G	115.84	Inf	-Inf	107.67	3	Vertical	5	1.86	-	33.72	6.06	31.61
AV	5.3172G	106.60	Inf	-Inf	98.43	3	Vertical	5	1.86	-	33.72	6.06	31.61
PK	5.352G	73.88	74.00	-0.12	65.63	3	Vertical	5	1.86	-	33.75	6.08	31.58
AV	5.3512G	52.80	54.00	-1.20	44.55	3	Vertical	5	1.86	-	33.75	6.08	31.58

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

04/10/2020



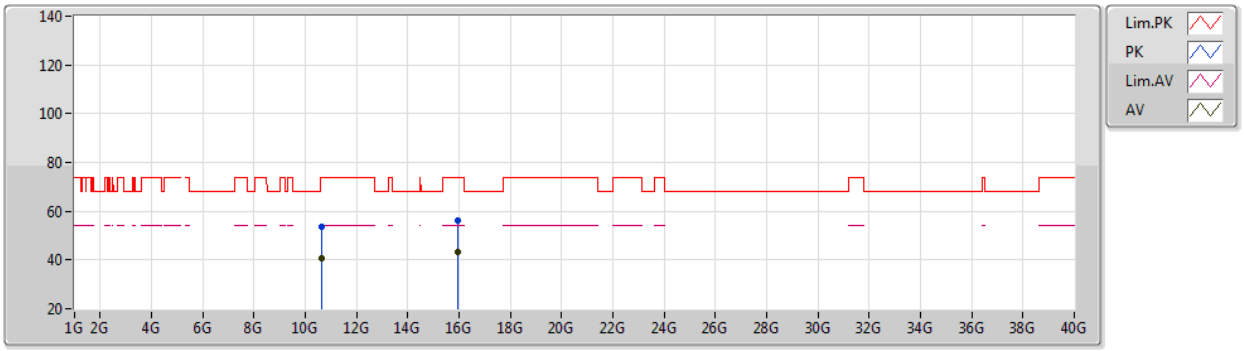
EUT Y_2TX
Setting 70
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3238G	101.54	Inf	-Inf	93.36	3	Horizontal	360	1.54	-	33.72	6.06	31.60
AV	5.324G	92.66	Inf	-Inf	84.48	3	Horizontal	360	1.54	-	33.72	6.06	31.60
PK	5.3502G	62.47	74.00	-11.53	54.22	3	Horizontal	360	1.54	-	33.75	6.08	31.58
AV	5.3502G	47.63	54.00	-6.37	39.38	3	Horizontal	360	1.54	-	33.75	6.08	31.58

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

04/10/2020



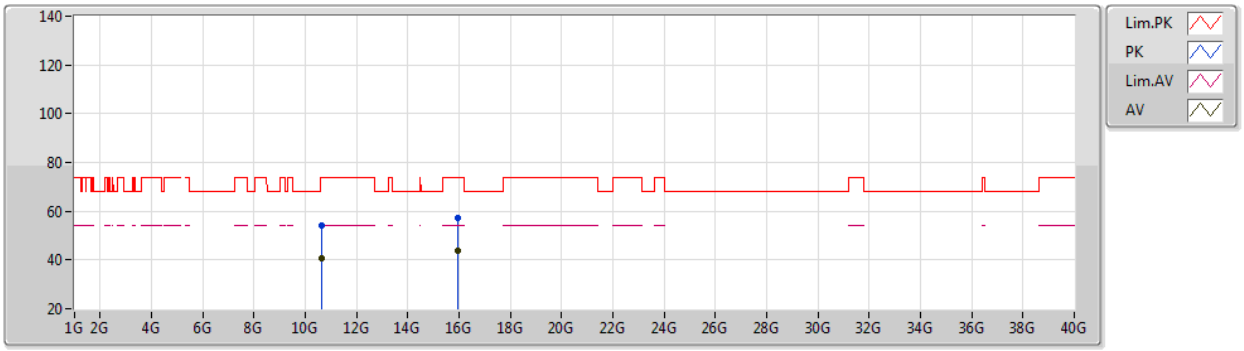
EUT Y_2TX
Setting 70
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.64056G	53.87	74.00	-20.13	39.21	3	Vertical	116	2.12	-	38.72	8.60	32.66
AV	10.63702G	40.63	54.00	-13.37	25.97	3	Vertical	116	2.12	-	38.72	8.60	32.66
PK	15.9621G	56.25	74.00	-17.75	42.23	3	Vertical	152	2.02	-	37.51	9.39	32.88
AV	15.9569G	43.47	54.00	-10.53	29.44	3	Vertical	152	2.02	-	37.52	9.39	32.88

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

04/10/2020



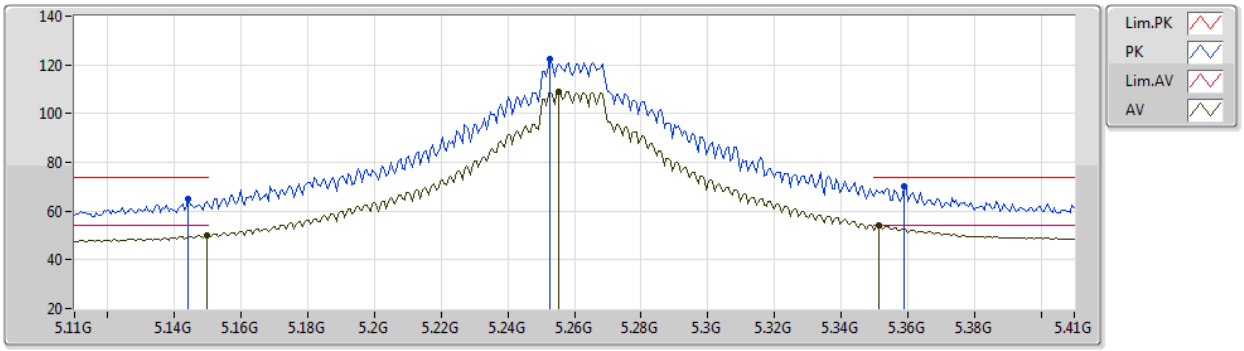
EUT Y_2TX
Setting 70
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.64192G	53.94	74.00	-20.06	39.29	3	Horizontal	144	2.02	-	38.71	8.60	32.66
AV	10.64256G	40.64	54.00	-13.36	25.99	3	Horizontal	144	2.02	-	38.71	8.60	32.66
PK	15.95692G	57.41	74.00	-16.59	43.38	3	Horizontal	166	2.23	-	37.52	9.39	32.88
AV	15.95566G	43.70	54.00	-10.30	29.66	3	Horizontal	166	2.23	-	37.53	9.39	32.88

802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TX

04/10/2020



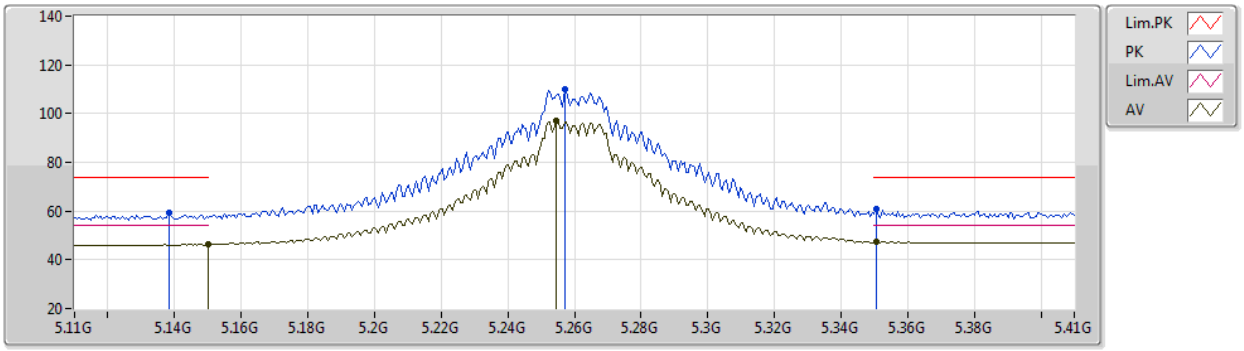
EUT Y_2TX
Setting 91
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1442G	64.89	74.00	-9.11	57.21	3	Vertical	339	1.80	-	33.44	5.97	31.73
AV	5.1496G	49.94	54.00	-4.06	42.25	3	Vertical	339	1.80	-	33.45	5.97	31.73
PK	5.2528G	122.59	Inf	-Inf	114.60	3	Vertical	339	1.80	-	33.61	6.03	31.65
AV	5.2552G	109.18	Inf	-Inf	101.19	3	Vertical	339	1.80	-	33.61	6.03	31.65
PK	5.359G	70.17	74.00	-3.83	61.91	3	Vertical	339	1.80	-	33.76	6.08	31.58
AV	5.3512G	53.93	54.00	-0.07	45.68	3	Vertical	339	1.80	-	33.75	6.08	31.58

802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TX

04/10/2020



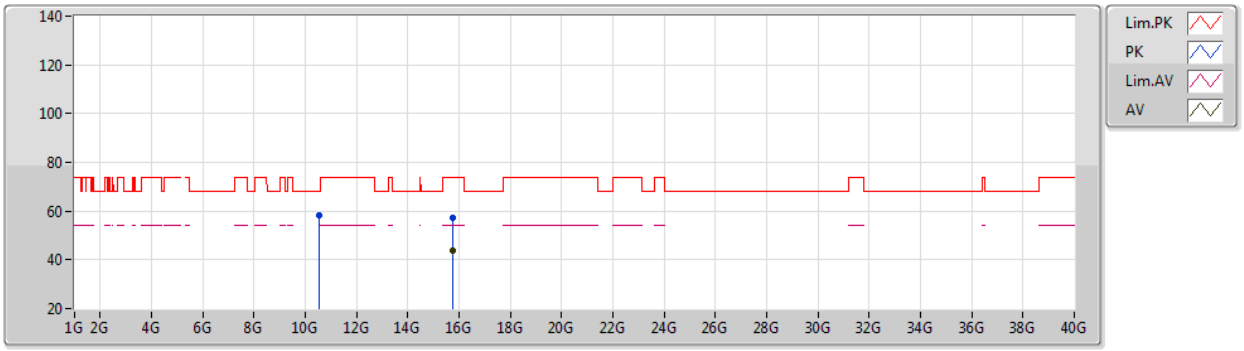
EUT Y_2TX
Setting 91
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1382G	59.07	74.00	-14.93	51.39	3	Horizontal	2	1.26	-	33.44	5.97	31.73
AV	5.15G	46.28	54.00	-7.72	38.59	3	Horizontal	2	1.26	-	33.45	5.97	31.73
PK	5.257G	110.09	Inf	-Inf	102.10	3	Horizontal	2	1.26	-	33.61	6.03	31.65
AV	5.2546G	97.05	Inf	-Inf	89.06	3	Horizontal	2	1.26	-	33.61	6.03	31.65
PK	5.3506G	61.10	74.00	-12.90	52.85	3	Horizontal	2	1.26	-	33.75	6.08	31.58
AV	5.3506G	47.35	54.00	-6.65	39.10	3	Horizontal	2	1.26	-	33.75	6.08	31.58

802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TX

04/10/2020



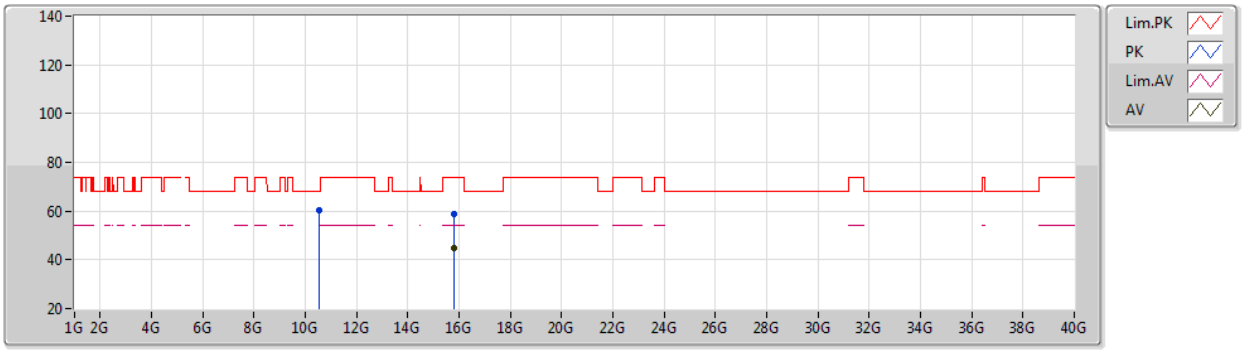
EUT Y_2TX
Setting 91
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.5166G	58.36	68.20	-9.84	43.63	3	Vertical	191	1.82	-	38.79	8.56	32.62
PK	15.77622G	57.22	74.00	-16.78	42.71	3	Vertical	206	2.17	-	38.05	9.33	32.87
AV	15.77566G	43.68	54.00	-10.32	29.17	3	Vertical	206	2.17	-	38.05	9.33	32.87

802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TX

04/10/2020



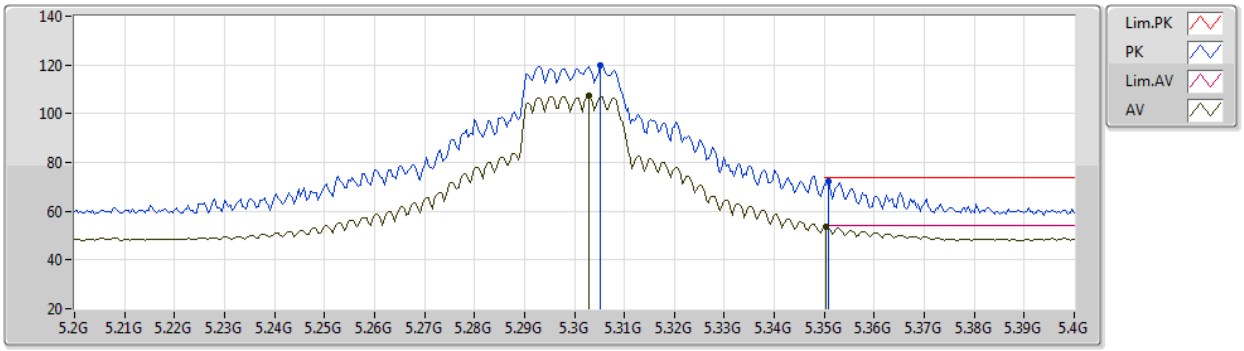
EUT Y_2TX
Setting 91
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.51652G	60.36	68.20	-7.84	45.63	3	Horizontal	118	2.16	-	38.79	8.56	32.62
PK	15.77974G	58.54	74.00	-15.46	44.04	3	Horizontal	39	1.37	-	38.04	9.33	32.87
AV	15.77956G	44.96	54.00	-9.04	30.46	3	Horizontal	39	1.37	-	38.04	9.33	32.87

802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz_TX

04/10/2020



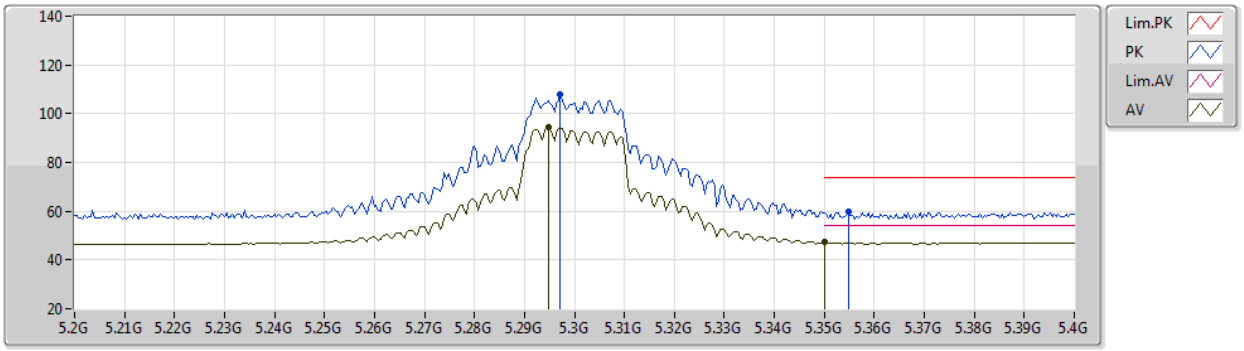
EUT Y_2TX
Setting 79
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3052G	119.75	Inf	-Inf	111.61	3	Vertical	15	1.89	-	33.71	6.05	31.62
AV	5.3028G	107.20	Inf	-Inf	99.07	3	Vertical	15	1.89	-	33.70	6.05	31.62
PK	5.3508G	72.23	74.00	-1.77	63.98	3	Vertical	15	1.89	-	33.75	6.08	31.58
AV	5.3504G	53.66	54.00	-0.34	45.41	3	Vertical	15	1.89	-	33.75	6.08	31.58

802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz_TX

04/10/2020



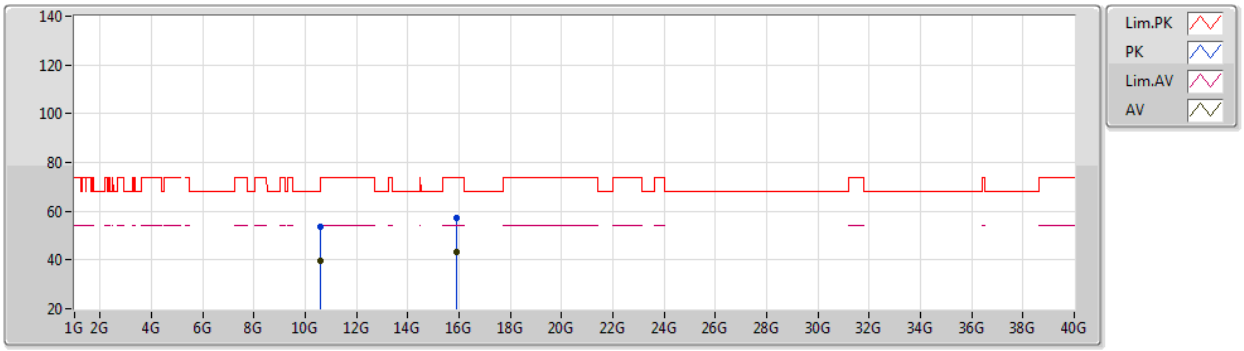
EUT Y_2TX
Setting 79
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.2972G	108.06	Inf	-Inf	99.94	3	Horizontal	360	1.55	-	33.69	6.05	31.62
AV	5.2948G	94.34	Inf	-Inf	86.22	3	Horizontal	360	1.55	-	33.69	6.05	31.62
PK	5.3548G	60.01	74.00	-13.99	51.76	3	Horizontal	360	1.55	-	33.75	6.08	31.58
AV	5.35G	47.34	54.00	-6.66	39.09	3	Horizontal	360	1.55	-	33.75	6.08	31.58

802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz_TX

04/10/2020



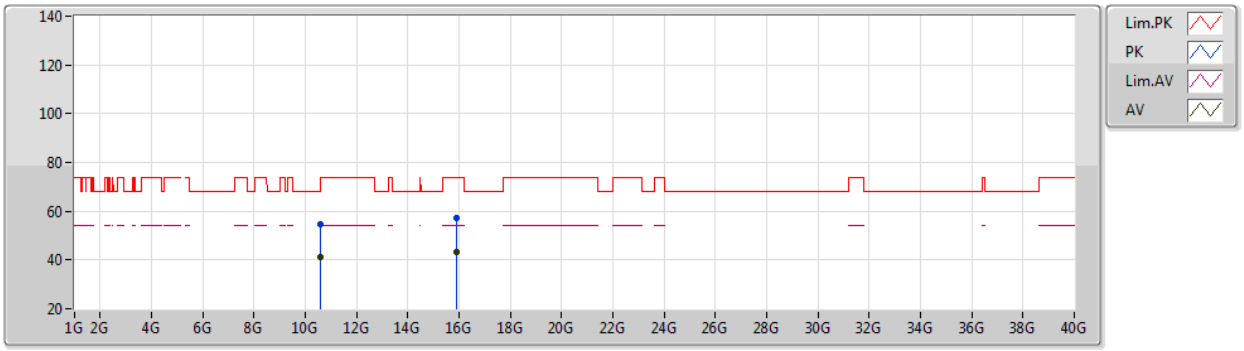
EUT Y_2TX
Setting 79
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.60167G	53.64	74.00	-20.36	38.96	3	Vertical	306	2.34	-	38.74	8.59	32.65
AV	10.60153G	39.68	54.00	-14.32	25.00	3	Vertical	306	2.34	-	38.74	8.59	32.65
PK	15.90082G	57.25	74.00	-16.75	43.07	3	Vertical	28	1.43	-	37.69	9.37	32.88
AV	15.89544G	43.30	54.00	-10.70	29.10	3	Vertical	28	1.43	-	37.70	9.37	32.87

802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz_TX

04/10/2020



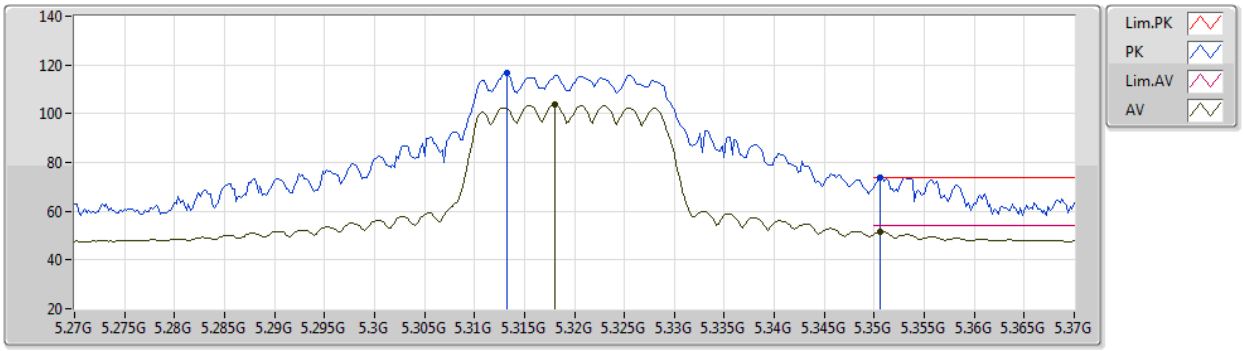
EUT Y_2TX
Setting 79
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.60138G	54.66	74.00	-19.34	39.98	3	Horizontal	312	2.44	-	38.74	8.59	32.65
AV	10.6001G	40.99	54.00	-13.01	26.31	3	Horizontal	312	2.44	-	38.74	8.59	32.65
PK	15.90292G	57.39	74.00	-16.61	43.22	3	Horizontal	266	1.68	-	37.68	9.37	32.88
AV	15.8962G	43.41	54.00	-10.59	29.21	3	Horizontal	266	1.68	-	37.70	9.37	32.87

802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TX

04/10/2020



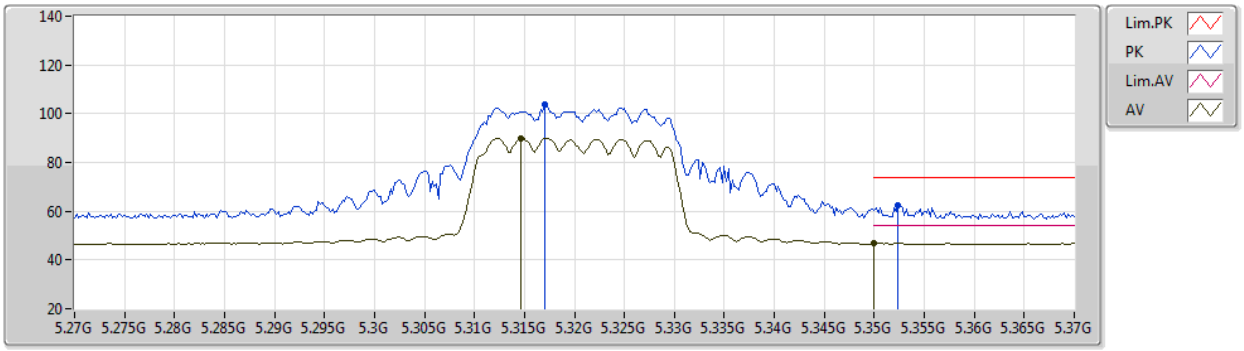
EUT Y_2TX
Setting 64
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3132G	116.71	Inf	-Inf	108.55	3	Vertical	13	1.89	-	33.71	6.06	31.61
AV	5.318G	103.54	Inf	-Inf	95.37	3	Vertical	13	1.89	-	33.72	6.06	31.61
PK	5.3506G	73.89	74.00	-0.11	65.64	3	Vertical	13	1.89	-	33.75	6.08	31.58
AV	5.3506G	51.54	54.00	-2.46	43.29	3	Vertical	13	1.89	-	33.75	6.08	31.58

802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TX

04/10/2020



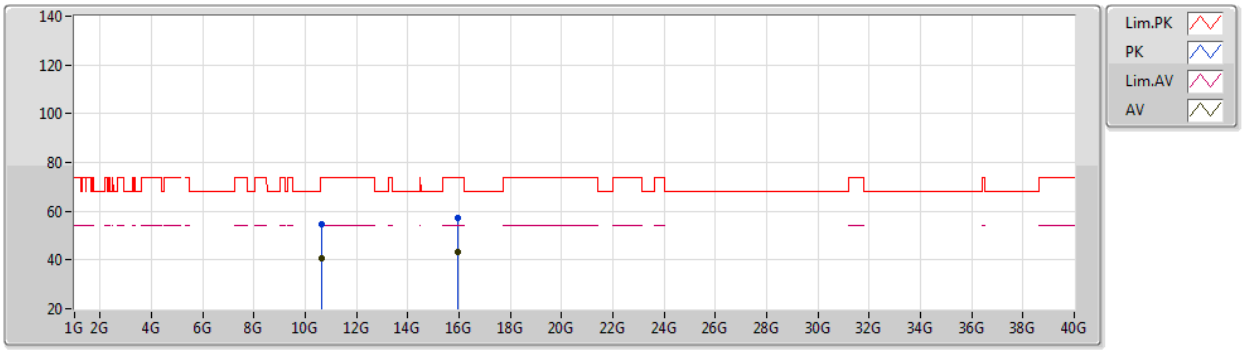
EUT Y_2TX
Setting 64
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.317G	103.54	Inf	-Inf	95.37	3	Horizontal	0	1.40	-	33.72	6.06	31.61
AV	5.3146G	90.03	Inf	-Inf	81.87	3	Horizontal	0	1.40	-	33.71	6.06	31.61
PK	5.3524G	62.65	74.00	-11.35	54.40	3	Horizontal	0	1.40	-	33.75	6.08	31.58
AV	5.35G	46.80	54.00	-7.20	38.55	3	Horizontal	0	1.40	-	33.75	6.08	31.58

802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TX

04/10/2020



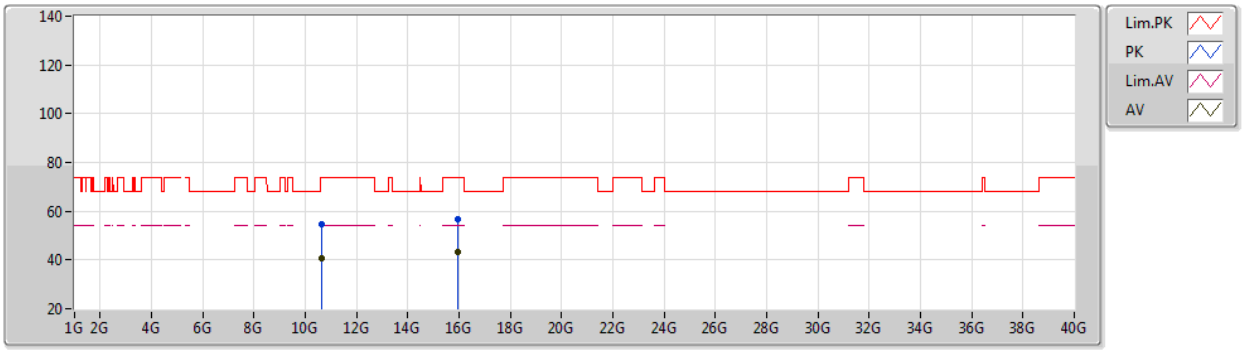
EUT Y_2TX
Setting 64
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.6396G	54.40	74.00	-19.60	39.74	3	Vertical	322	2.34	-	38.72	8.60	32.66
AV	10.6398G	40.83	54.00	-13.17	26.17	3	Vertical	322	2.34	-	38.72	8.60	32.66
PK	15.95878G	57.11	74.00	-16.89	43.08	3	Vertical	102	1.94	-	37.52	9.39	32.88
AV	15.95868G	43.33	54.00	-10.67	29.30	3	Vertical	102	1.94	-	37.52	9.39	32.88

802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TX

04/10/2020



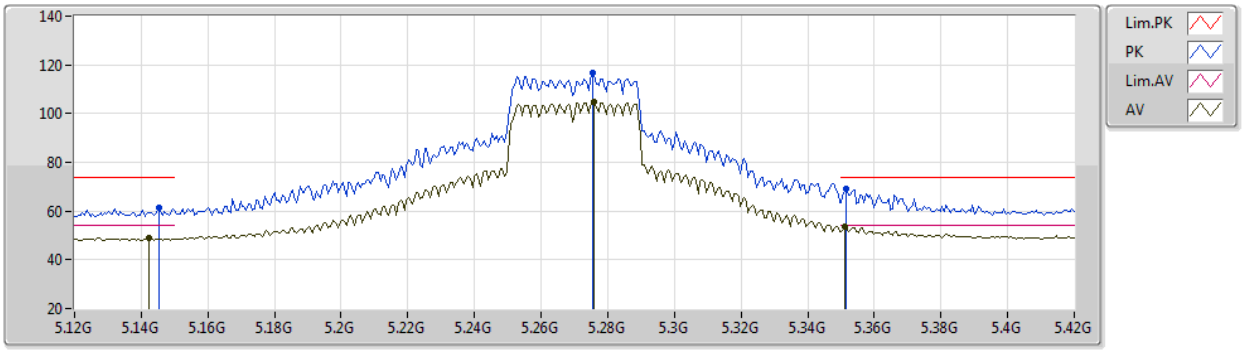
EUT Y_2TX
Setting 64
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.63826G	54.60	74.00	-19.40	39.94	3	Horizontal	141	2.79	-	38.72	8.60	32.66
AV	10.63958G	40.84	54.00	-13.16	26.18	3	Horizontal	141	2.79	-	38.72	8.60	32.66
PK	15.9631G	56.73	74.00	-17.27	42.71	3	Horizontal	325	1.54	-	37.51	9.39	32.88
AV	15.96414G	43.08	54.00	-10.92	29.07	3	Horizontal	325	1.54	-	37.50	9.39	32.88

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TX

04/10/2020



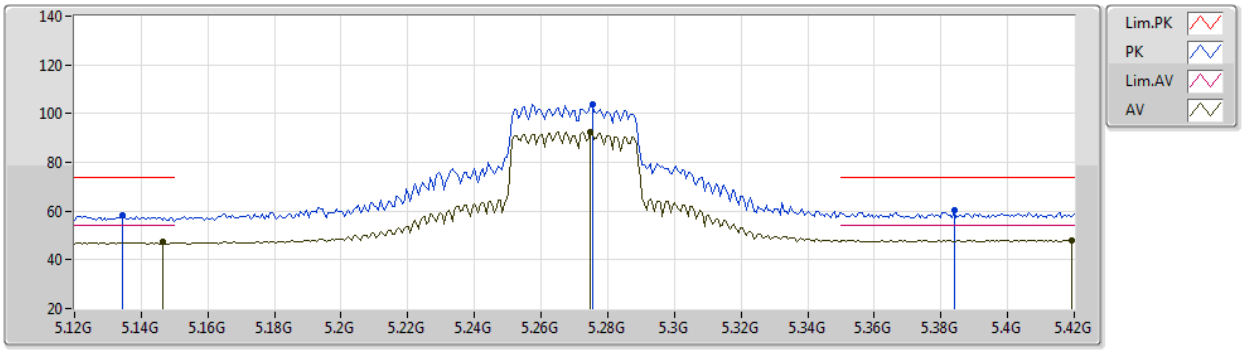
EUT Y_2TX
Setting 74
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1452G	61.42	74.00	-12.58	53.73	3	Vertical	12	1.92	-	33.45	5.97	31.73
AV	5.1422G	48.75	54.00	-5.25	41.07	3	Vertical	12	1.92	-	33.44	5.97	31.73
PK	5.2754G	116.85	Inf	-Inf	108.80	3	Vertical	12	1.92	-	33.65	6.04	31.64
AV	5.276G	104.63	Inf	-Inf	96.58	3	Vertical	12	1.92	-	33.65	6.04	31.64
PK	5.3516G	69.01	74.00	-4.99	60.76	3	Vertical	12	1.92	-	33.75	6.08	31.58
AV	5.351G	53.64	54.00	-0.36	45.39	3	Vertical	12	1.92	-	33.75	6.08	31.58

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TX

04/10/2020



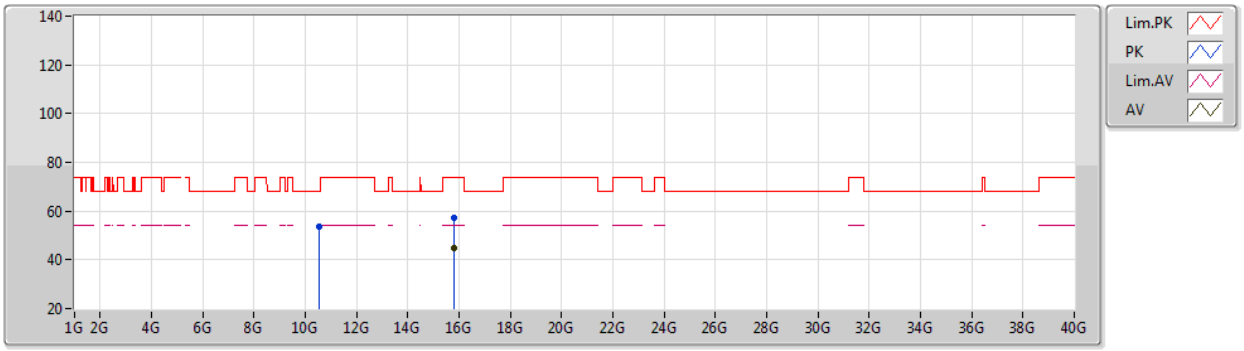
EUT Y_2TX
Setting 74
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1344G	58.10	74.00	-15.90	50.44	3	Horizontal	0	1.37	-	33.43	5.97	31.74
AV	5.1464G	47.26	54.00	-6.74	39.57	3	Horizontal	0	1.37	-	33.45	5.97	31.73
PK	5.2754G	103.92	Inf	-Inf	95.87	3	Horizontal	0	1.37	-	33.65	6.04	31.64
AV	5.2748G	92.63	Inf	-Inf	84.58	3	Horizontal	0	1.37	-	33.65	6.04	31.64
PK	5.384G	60.35	74.00	-13.65	52.04	3	Horizontal	0	1.37	-	33.78	6.09	31.56
AV	5.4194G	48.12	54.00	-5.88	39.71	3	Horizontal	0	1.37	-	33.82	6.12	31.53

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TX

04/10/2020



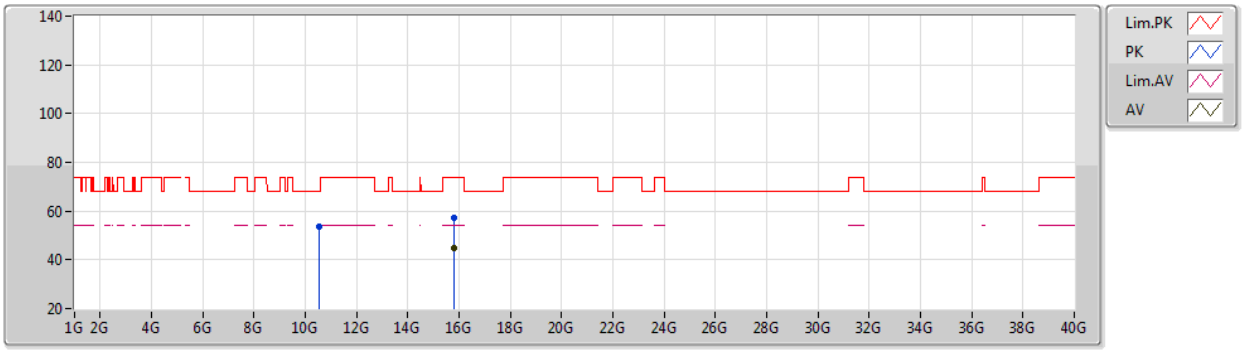
EUT Y_2TX
Setting 74
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.53776G	53.60	68.20	-14.60	38.88	3	Vertical	169	1.93	-	38.78	8.57	32.63
PK	15.81428G	57.12	74.00	-16.88	42.71	3	Vertical	297	1.54	-	37.94	9.34	32.87
AV	15.81414G	44.74	54.00	-9.26	30.33	3	Vertical	297	1.54	-	37.94	9.34	32.87

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TX

04/10/2020



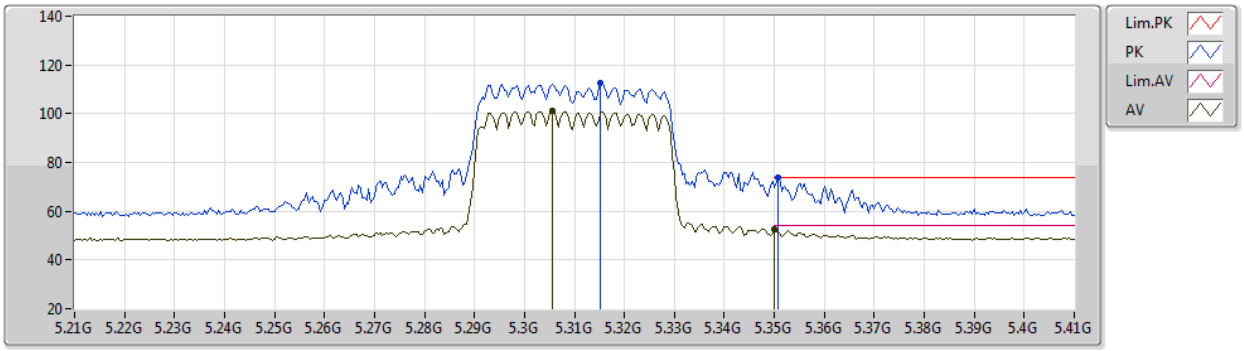
EUT Y_2TX
Setting 74
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.5416G	53.44	68.20	-14.76	38.72	3	Horizontal	251	1.18	-	38.78	8.57	32.63
PK	15.81054G	57.14	74.00	-16.86	42.72	3	Horizontal	186	1.62	-	37.95	9.34	32.87
AV	15.80904G	44.71	54.00	-9.29	30.29	3	Horizontal	186	1.62	-	37.95	9.34	32.87

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TX

04/10/2020



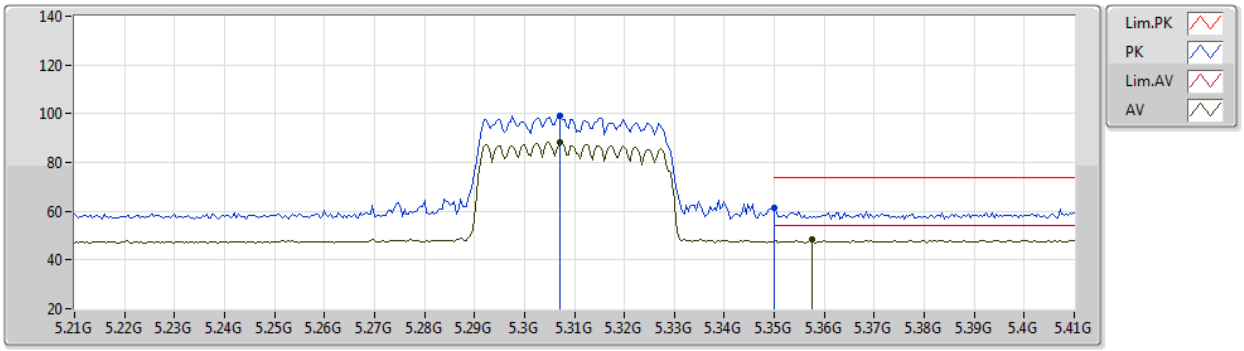
EUT Y_2TX
Setting 59
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3152G	112.66	Inf	-Inf	104.49	3	Vertical	14	1.78	-	33.72	6.06	31.61
AV	5.3056G	101.08	Inf	-Inf	92.94	3	Vertical	14	1.78	-	33.71	6.05	31.62
PK	5.3508G	73.82	74.00	-0.18	65.57	3	Vertical	14	1.78	-	33.75	6.08	31.58
AV	5.35G	52.37	54.00	-1.63	44.12	3	Vertical	14	1.78	-	33.75	6.08	31.58

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TX

04/10/2020



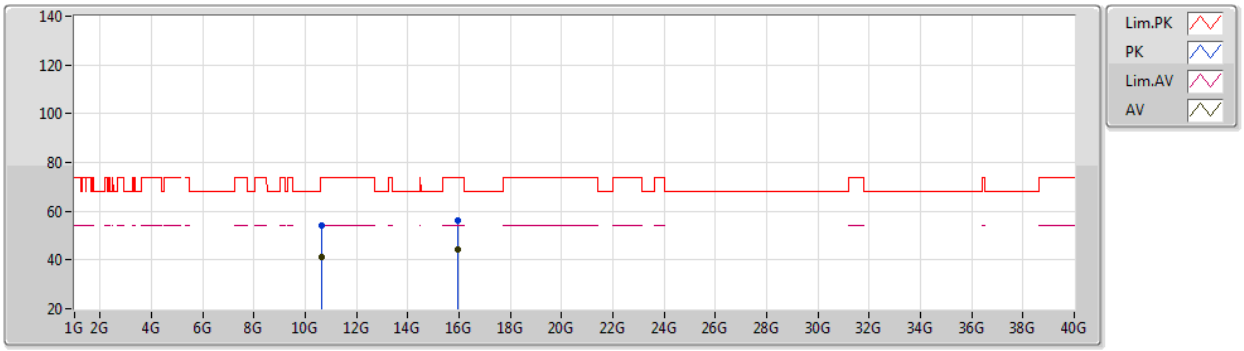
EUT Y_2TX
Setting 59
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3072G	99.38	Inf	-Inf	91.23	3	Horizontal	2	1.19	-	33.71	6.05	31.61
AV	5.3072G	88.42	Inf	-Inf	80.27	3	Horizontal	2	1.19	-	33.71	6.05	31.61
PK	5.35G	61.18	74.00	-12.82	52.93	3	Horizontal	2	1.19	-	33.75	6.08	31.58
AV	5.3576G	48.23	54.00	-5.77	39.97	3	Horizontal	2	1.19	-	33.76	6.08	31.58

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TX

04/10/2020



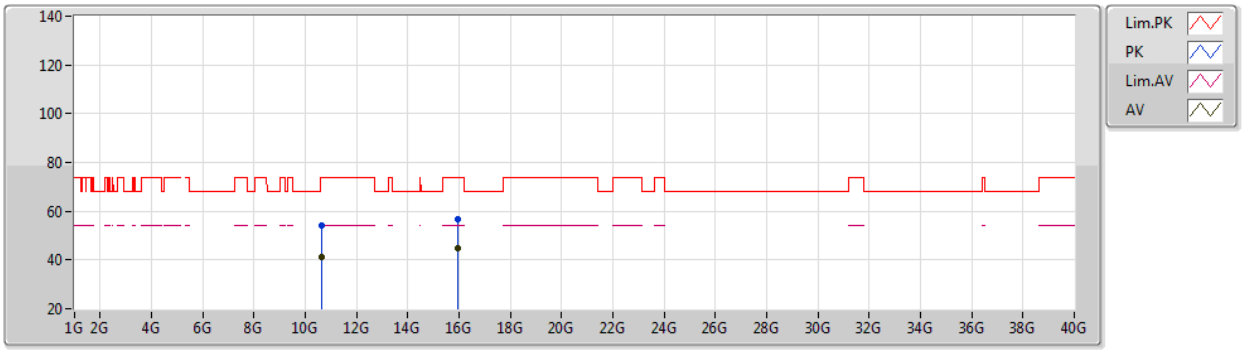
EUT Y_2TX
Setting 59
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.61648G	53.89	74.00	-20.11	39.22	3	Vertical	333	2.46	-	38.73	8.59	32.65
AV	10.62426G	41.46	54.00	-12.54	26.79	3	Vertical	333	2.46	-	38.73	8.59	32.65
PK	15.92932G	56.07	74.00	-17.93	41.97	3	Vertical	251	2.06	-	37.60	9.38	32.88
AV	15.93014G	44.32	54.00	-9.68	30.22	3	Vertical	251	2.06	-	37.60	9.38	32.88

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TX

04/10/2020



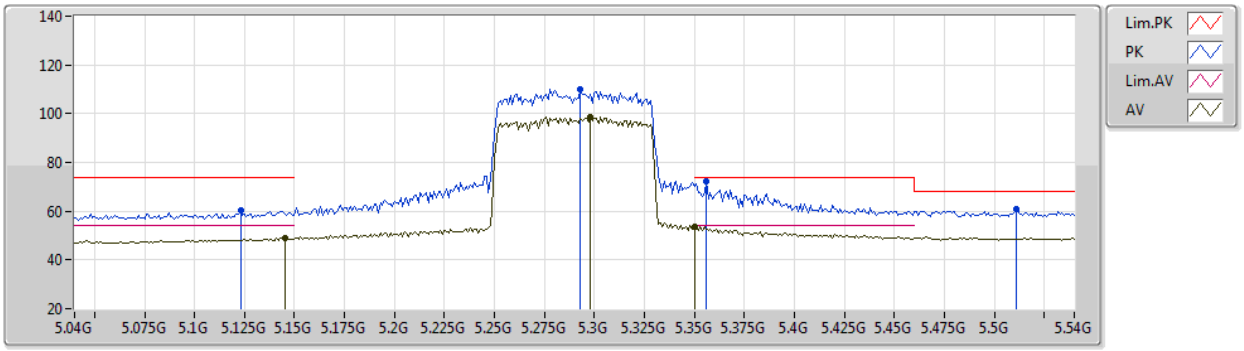
EUT Y_2TX
Setting 59
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.61722G	54.03	74.00	-19.97	39.36	3	Horizontal	152	1.52	-	38.73	8.59	32.65
AV	10.6243G	41.39	54.00	-12.61	26.72	3	Horizontal	152	1.52	-	38.73	8.59	32.65
PK	15.933G	56.71	74.00	-17.29	42.62	3	Horizontal	112	2.28	-	37.59	9.38	32.88
AV	15.929G	44.64	54.00	-9.36	30.53	3	Horizontal	112	2.28	-	37.61	9.38	32.88

802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TX

04/10/2020



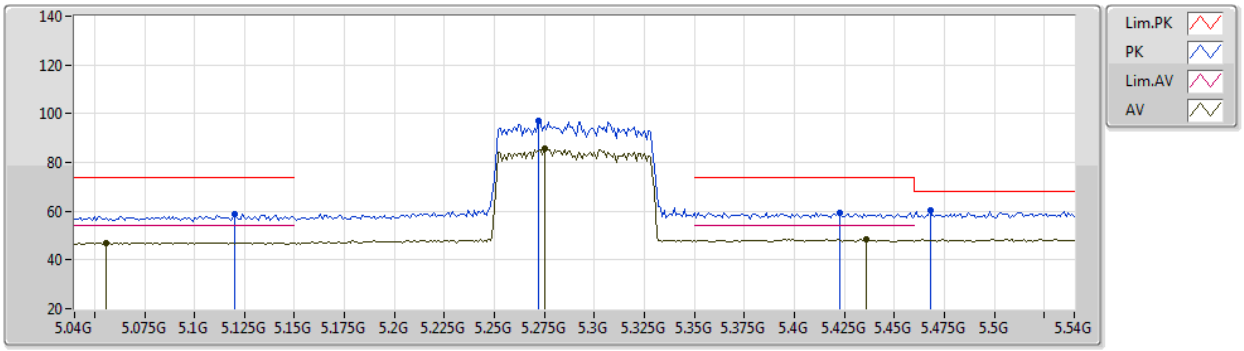
EUT Y_2TX
Setting 60
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.123G	60.24	74.00	-13.76	52.60	3	Vertical	16	1.80	-	33.42	5.96	31.74
AV	5.145G	48.96	54.00	-5.04	41.27	3	Vertical	16	1.80	-	33.45	5.97	31.73
PK	5.293G	110.13	Inf	-Inf	102.01	3	Vertical	16	1.80	-	33.69	6.05	31.62
AV	5.298G	98.71	Inf	-Inf	90.58	3	Vertical	16	1.80	-	33.70	6.05	31.62
PK	5.356G	72.37	74.00	-1.63	64.11	3	Vertical	16	1.80	-	33.76	6.08	31.58
AV	5.35G	53.75	54.00	-0.25	45.52	3	Vertical	16	1.80	-	33.75	6.07	31.59
PK	5.511G	61.02	68.20	-7.18	52.37	3	Vertical	16	1.80	-	33.90	6.22	31.47

802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TX

04/10/2020



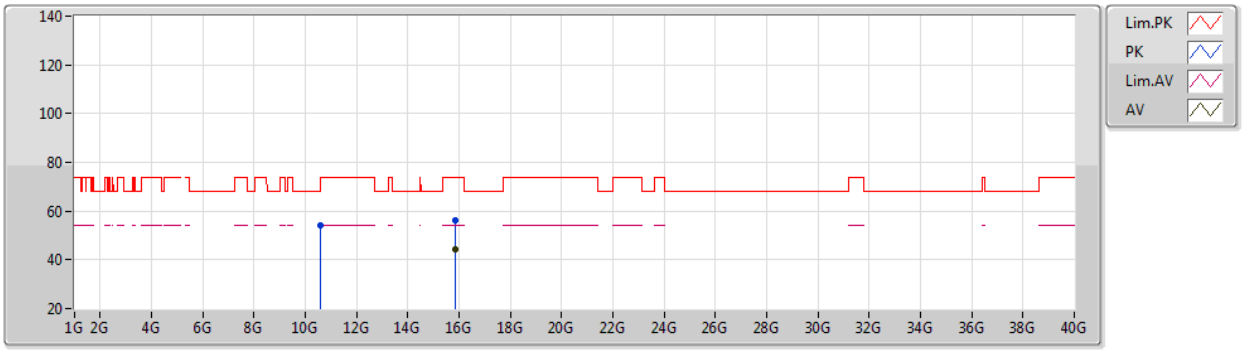
EUT Y_2TX
Setting 60
02-E-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.12G	58.69	74.00	-15.31	51.06	3	Horizontal	1	1.22	-	33.42	5.96	31.75
AV	5.056G	47.15	54.00	-6.85	39.66	3	Horizontal	1	1.22	-	33.36	5.93	31.80
PK	5.272G	97.17	Inf	-Inf	89.13	3	Horizontal	1	1.22	-	33.64	6.04	31.64
AV	5.275G	85.54	Inf	-Inf	77.49	3	Horizontal	1	1.22	-	33.65	6.04	31.64
PK	5.423G	59.55	74.00	-14.45	51.13	3	Horizontal	1	1.22	-	33.82	6.13	31.53
AV	5.436G	48.45	54.00	-5.55	39.99	3	Horizontal	1	1.22	-	33.84	6.14	31.52
PK	5.468G	60.59	68.20	-7.61	52.05	3	Horizontal	1	1.22	-	33.87	6.17	31.50

802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TX

04/10/2020



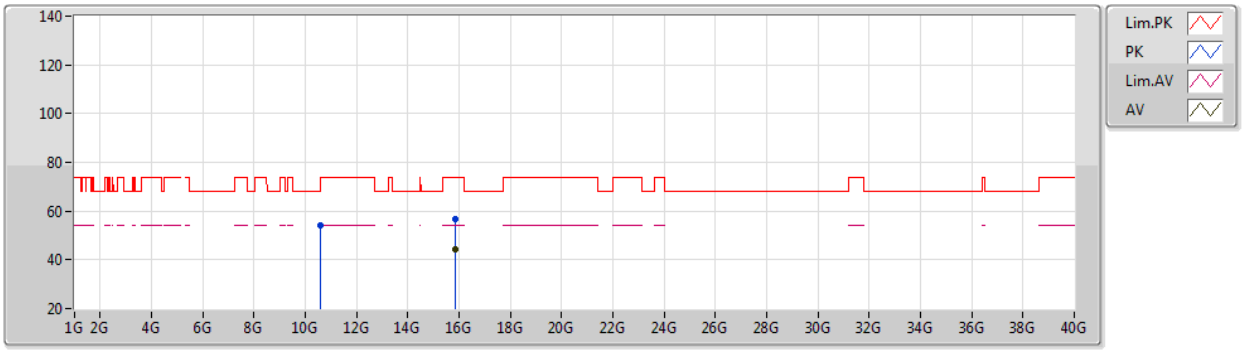
EUT Y_2TX
Setting 60
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.5753G	53.97	68.20	-14.23	39.28	3	Vertical	210	2.66	-	38.75	8.58	32.64
PK	15.87118G	56.41	74.00	-17.59	42.15	3	Vertical	336	1.77	-	37.77	9.36	32.87
AV	15.86672G	44.19	54.00	-9.81	29.91	3	Vertical	336	1.77	-	37.79	9.36	32.87

802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TX

04/10/2020



EUT Y_2TX
Setting 60
02-E-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.57974G	54.25	68.20	-13.95	39.56	3	Horizontal	347	1.16	-	38.75	8.58	32.64
PK	15.8666G	56.78	74.00	-17.22	42.50	3	Horizontal	209	1.40	-	37.79	9.36	32.87
AV	15.86618G	44.22	54.00	-9.78	29.94	3	Horizontal	209	1.40	-	37.79	9.36	32.87

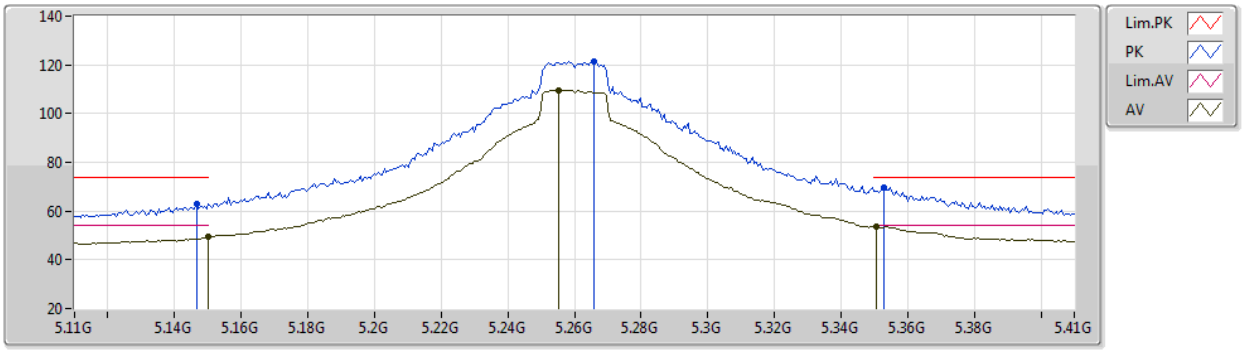
For beamforming mode 2TX
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	AV	5.35G	53.84	54.00	-0.16	3	Vertical	5	1.29	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5260MHz_TX

13/10/2018



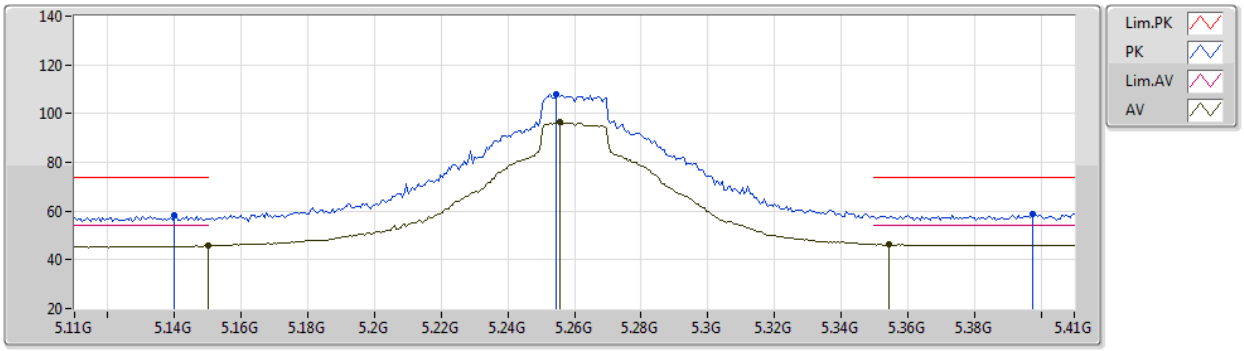
EUT Y_2TX
Setting 92
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1466G	63.08	74.00	-10.92	56.37	3	Vertical	0	1.26	-	33.45	4.99	31.73
AV	5.15G	49.29	54.00	-4.71	42.57	3	Vertical	0	1.26	-	33.45	5.00	31.73
PK	5.266G	121.28	Inf	-Inf	114.22	3	Vertical	0	1.26	-	33.63	5.07	31.64
AV	5.2552G	109.64	Inf	-Inf	102.61	3	Vertical	0	1.26	-	33.61	5.07	31.65
PK	5.353G	69.63	74.00	-4.37	62.44	3	Vertical	0	1.26	-	33.75	5.02	31.58
AV	5.3506G	53.63	54.00	-0.37	46.44	3	Vertical	0	1.26	-	33.75	5.02	31.58

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5260MHz_TX

13/10/2018



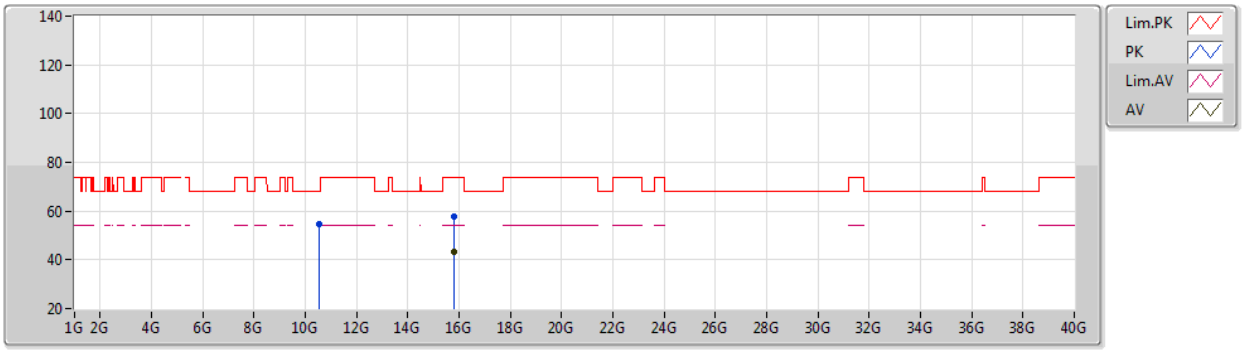
EUT Y_2TX
Setting 92
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.14G	58.22	74.00	-15.78	51.53	3	Horizontal	1	1.56	-	33.44	4.98	31.73
AV	5.15G	45.77	54.00	-8.23	39.05	3	Horizontal	1	1.56	-	33.45	5.00	31.73
PK	5.2546G	108.17	Inf	-Inf	101.14	3	Horizontal	1	1.56	-	33.61	5.07	31.65
AV	5.2558G	96.40	Inf	-Inf	89.37	3	Horizontal	1	1.56	-	33.61	5.07	31.65
PK	5.3974G	58.87	74.00	-15.13	51.62	3	Horizontal	1	1.56	-	33.80	5.00	31.55
AV	5.3542G	46.38	54.00	-7.62	39.19	3	Horizontal	1	1.56	-	33.75	5.02	31.58

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

13/10/2018

5260MHz_TX



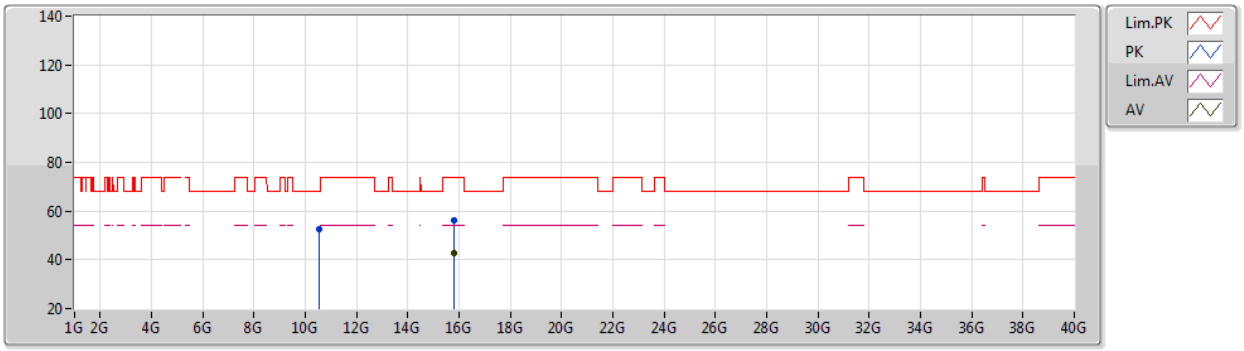
EUT Y_2TX
Setting 92
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.5266G	54.58	68.20	-13.62	41.15	3	Vertical	185	1.74	-	38.78	7.28	32.63
PK	15.77981G	57.67	74.00	-16.33	43.38	3	Vertical	0	2.96	-	38.04	9.12	32.87
AV	15.77949G	43.51	54.00	-10.49	29.22	3	Vertical	0	2.96	-	38.04	9.12	32.87

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5260MHz_TX

13/10/2018



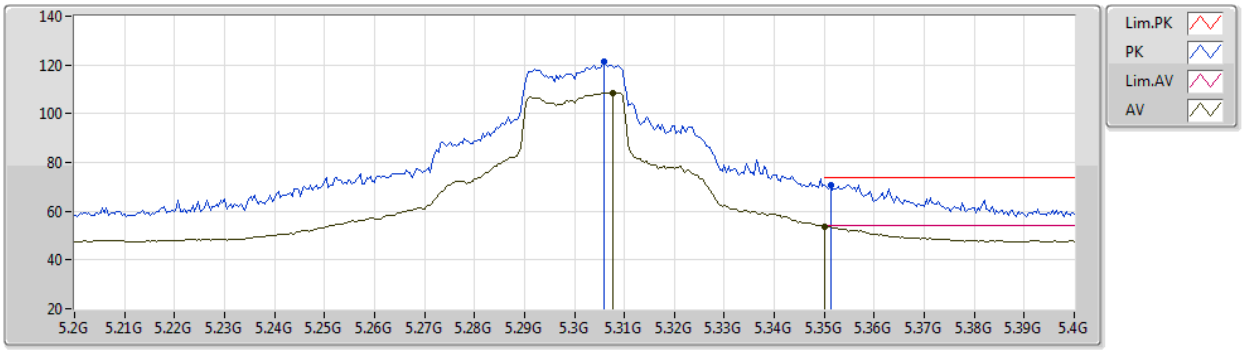
EUT Y_2TX
Setting 92
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.51775G	52.49	68.20	-15.71	39.04	3	Horizontal	355	2.77	-	38.79	7.28	32.62
PK	15.78043G	56.32	74.00	-17.68	42.03	3	Horizontal	333	1.62	-	38.04	9.12	32.87
AV	15.78197G	42.97	54.00	-11.03	28.69	3	Horizontal	333	1.62	-	38.03	9.12	32.87

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5300MHz_TX

13/10/2018



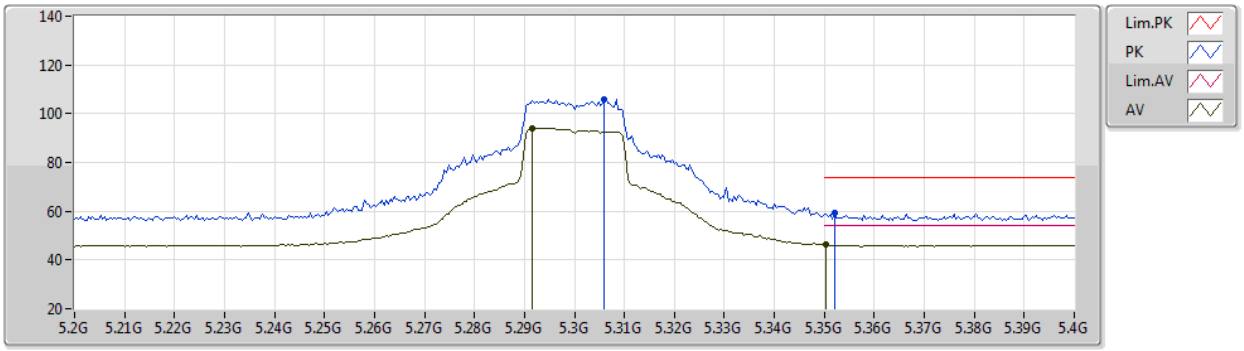
EUT Y_2TX
Setting 80
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.306G	121.55	Inf	-Inf	114.41	3	Vertical	5	1.29	-	33.71	5.05	31.62
AV	5.3076G	108.59	Inf	-Inf	101.44	3	Vertical	5	1.29	-	33.71	5.05	31.61
PK	5.3512G	70.90	74.00	-3.10	63.71	3	Vertical	5	1.29	-	33.75	5.02	31.58
AV	5.35G	53.84	54.00	-0.16	46.65	3	Vertical	5	1.29	-	33.75	5.03	31.59

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5300MHz_TX

13/10/2018



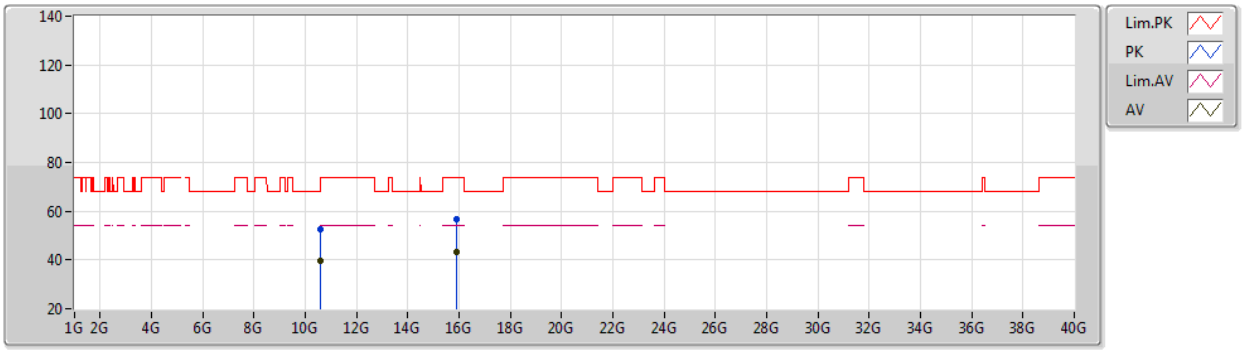
EUT Y_2TX
Setting 80
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.306G	106.01	Inf	-Inf	98.87	3	Horizontal	2	1.54	-	33.71	5.05	31.62
AV	5.2916G	93.91	Inf	-Inf	86.81	3	Horizontal	2	1.54	-	33.68	5.05	31.63
PK	5.352G	59.27	74.00	-14.73	52.08	3	Horizontal	2	1.54	-	33.75	5.02	31.58
AV	5.3504G	46.18	54.00	-7.82	38.99	3	Horizontal	2	1.54	-	33.75	5.02	31.58

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5300MHz_TX

13/10/2018



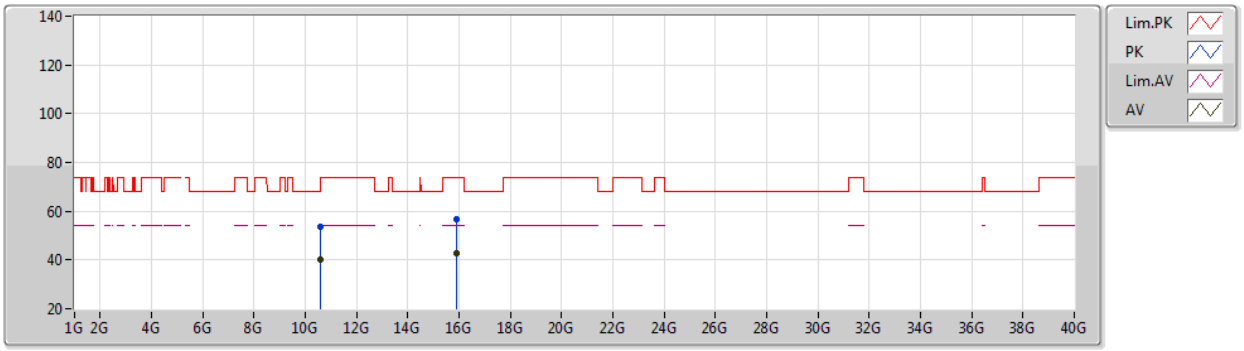
EUT Y_2TX
Setting 80
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.60126G	52.64	74.00	-21.36	39.24	3	Vertical	300	1.80	-	38.74	7.31	32.65
AV	10.60276G	39.72	54.00	-14.28	26.32	3	Vertical	300	1.80	-	38.74	7.31	32.65
PK	15.89396G	56.81	74.00	-17.19	42.81	3	Vertical	360	1.01	-	37.71	9.16	32.87
AV	15.89444G	43.44	54.00	-10.56	29.44	3	Vertical	360	1.01	-	37.71	9.16	32.87

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5300MHz_TX

13/10/2018



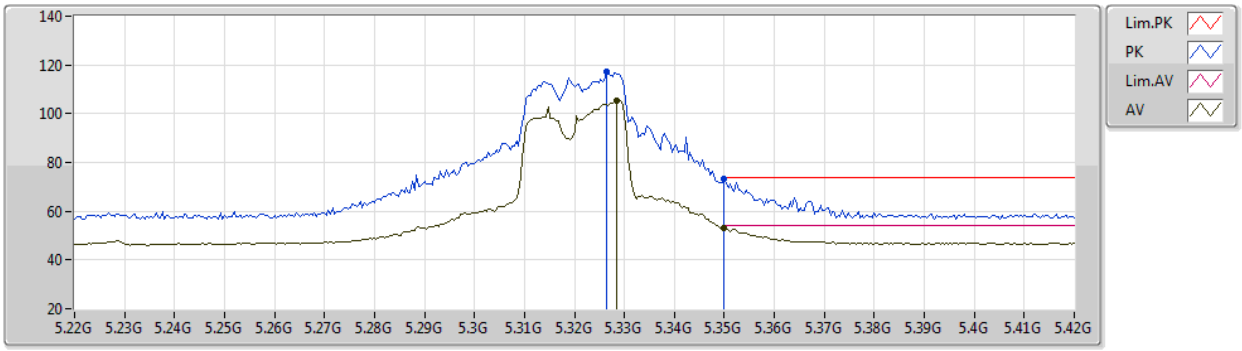
EUT Y_2TX
Setting 80
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.60105G	53.74	74.00	-20.26	40.34	3	Horizontal	112	2.23	-	38.74	7.31	32.65
AV	10.60247G	40.21	54.00	-13.79	26.81	3	Horizontal	112	2.23	-	38.74	7.31	32.65
PK	15.89988G	56.84	74.00	-17.16	42.86	3	Horizontal	96	2.31	-	37.69	9.16	32.87
AV	15.90245G	42.98	54.00	-11.02	29.01	3	Horizontal	96	2.31	-	37.68	9.17	32.88

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5320MHz_TX

13/10/2018



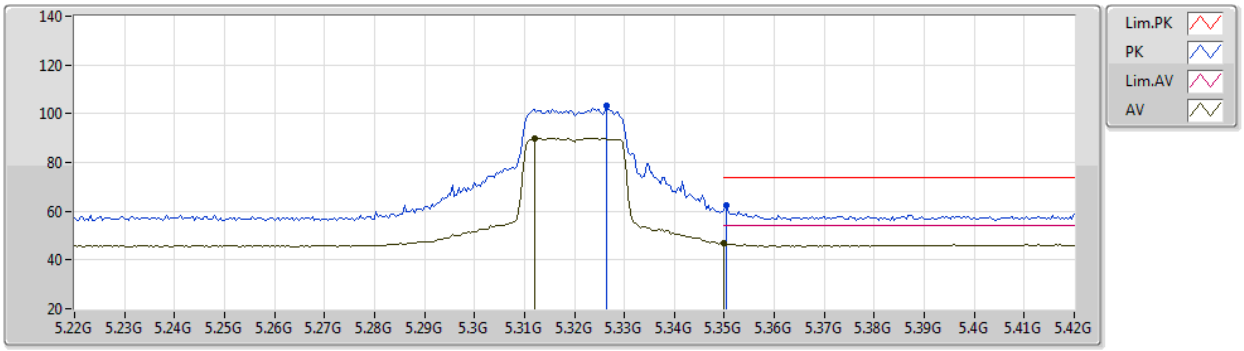
EUT Y_2TX
Setting 69
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3264G	117.34	Inf	-Inf	110.17	3	Vertical	341	1.80	-	33.73	5.04	31.60
AV	5.3284G	105.42	Inf	-Inf	98.25	3	Vertical	341	1.80	-	33.73	5.04	31.60
PK	5.35G	73.44	74.00	-0.56	66.25	3	Vertical	341	1.80	-	33.75	5.03	31.59
AV	5.35G	53.07	54.00	-0.93	45.88	3	Vertical	341	1.80	-	33.75	5.03	31.59

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5320MHz_TX

13/10/2018



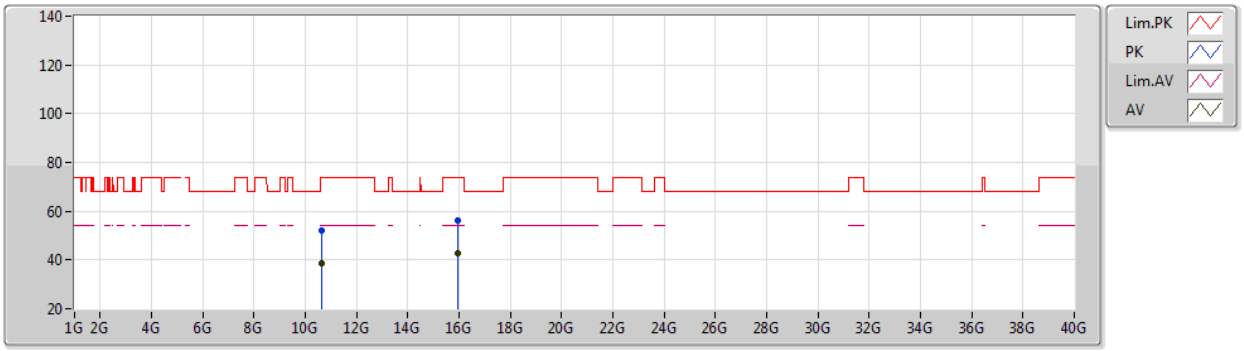
EUT Y_2TX
Setting 69
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3264G	103.12	Inf	-Inf	95.95	3	Horizontal	0	1.74	-	33.73	5.04	31.60
AV	5.312G	89.83	Inf	-Inf	82.69	3	Horizontal	0	1.74	-	33.71	5.04	31.61
PK	5.3504G	62.22	74.00	-11.78	55.03	3	Horizontal	0	1.74	-	33.75	5.02	31.58
AV	5.35G	46.71	54.00	-7.29	39.52	3	Horizontal	0	1.74	-	33.75	5.03	31.59

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5320MHz_TX

13/10/2018



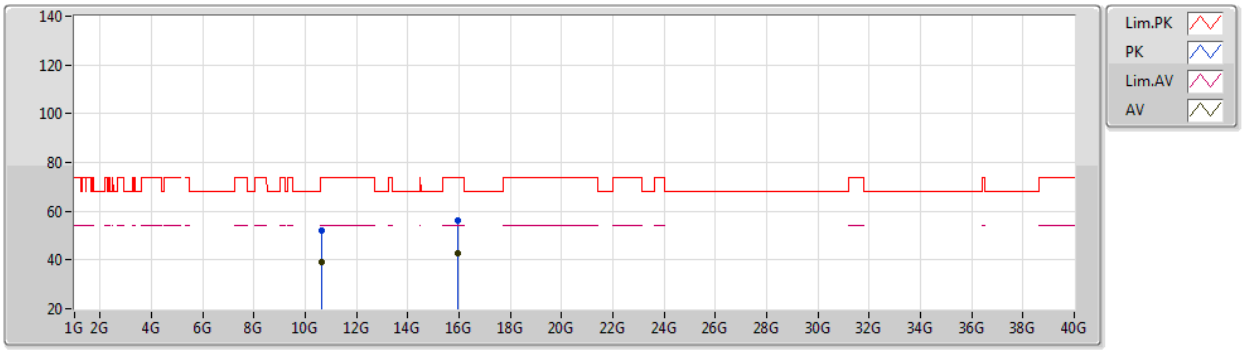
EUT Y_2TX
Setting 69
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.63996G	52.30	74.00	-21.70	38.92	3	Vertical	339	1.80	-	38.72	7.32	32.66
AV	10.63204G	38.69	54.00	-15.31	25.31	3	Vertical	339	1.80	-	38.72	7.32	32.66
PK	15.95888G	56.06	74.00	-17.94	42.23	3	Vertical	179	1.88	-	37.52	9.19	32.88
AV	15.956G	42.58	54.00	-11.42	28.75	3	Vertical	179	1.88	-	37.53	9.18	32.88

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

5320MHz_TX

13/10/2018



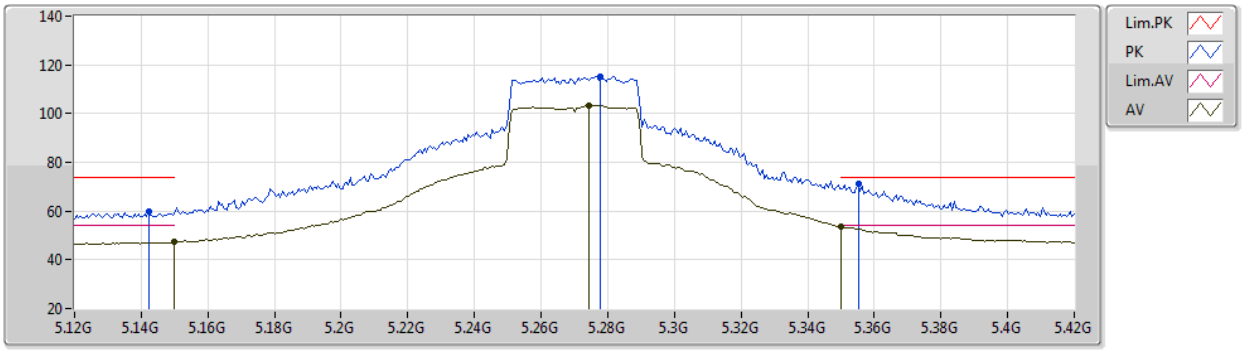
EUT Y_2TX
Setting 69
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.63984G	52.03	74.00	-21.97	38.65	3	Horizontal	149	1.89	-	38.72	7.32	32.66
AV	10.6384G	38.99	54.00	-15.01	25.61	3	Horizontal	149	1.89	-	38.72	7.32	32.66
PK	15.96212G	56.11	74.00	-17.89	42.29	3	Horizontal	310	1.80	-	37.51	9.19	32.88
AV	15.95444G	42.67	54.00	-11.33	28.84	3	Horizontal	310	1.80	-	37.53	9.18	32.88

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5270MHz_TX

13/10/2018



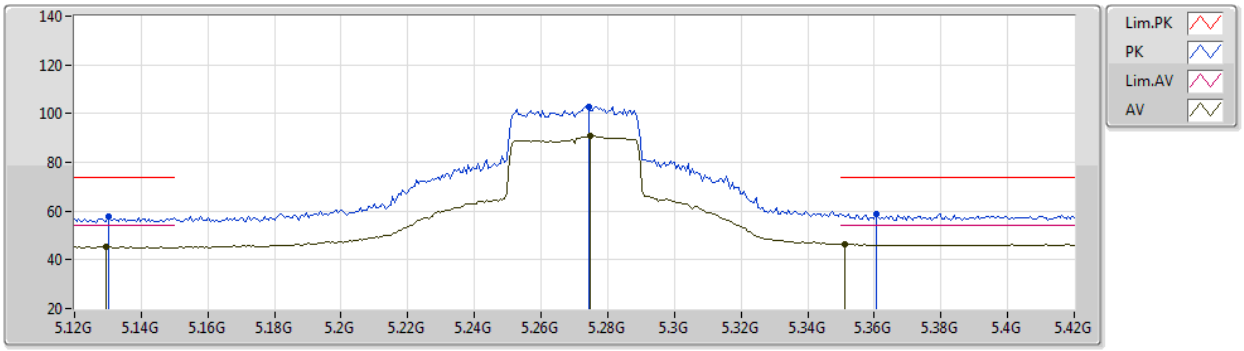
EUT Y_2TX
Setting 76
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1422G	60.08	74.00	-13.92	53.39	3	Vertical	348	1.53	-	33.44	4.98	31.73
AV	5.15G	47.28	54.00	-6.72	40.56	3	Vertical	348	1.53	-	33.45	5.00	31.73
PK	5.2778G	115.31	Inf	-Inf	108.23	3	Vertical	348	1.53	-	33.66	5.06	31.64
AV	5.2742G	103.38	Inf	-Inf	96.31	3	Vertical	348	1.53	-	33.65	5.06	31.64
PK	5.3552G	71.21	74.00	-2.79	64.01	3	Vertical	348	1.53	-	33.76	5.02	31.58
AV	5.35G	53.80	54.00	-0.20	46.61	3	Vertical	348	1.53	-	33.75	5.02	31.58

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5270MHz_TX

13/10/2018



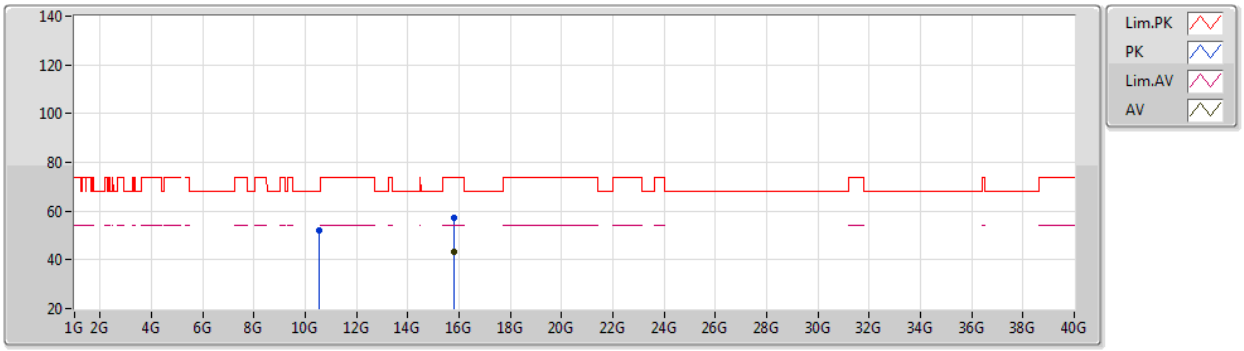
EUT Y_2TX
Setting 76
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1302G	57.86	74.00	-16.14	51.21	3	Horizontal	356	1.59	-	33.43	4.96	31.74
AV	5.1296G	45.46	54.00	-8.54	38.81	3	Horizontal	356	1.59	-	33.43	4.96	31.74
PK	5.2742G	102.88	Inf	-Inf	95.81	3	Horizontal	356	1.59	-	33.65	5.06	31.64
AV	5.2748G	90.70	Inf	-Inf	83.63	3	Horizontal	356	1.59	-	33.65	5.06	31.64
PK	5.3606G	58.93	74.00	-15.07	51.73	3	Horizontal	356	1.59	-	33.76	5.02	31.58
AV	5.351G	46.40	54.00	-7.60	39.21	3	Horizontal	356	1.59	-	33.75	5.02	31.58

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5270MHz_TX

13/10/2018



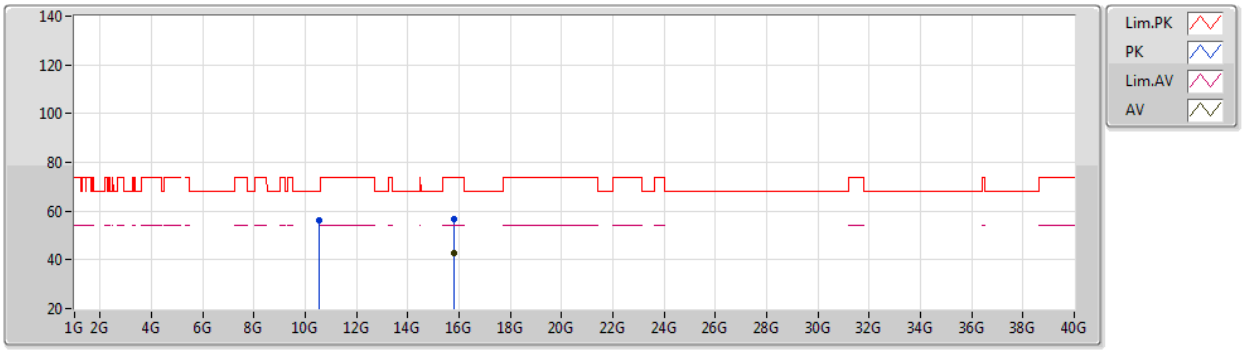
EUT Y_2TX
Setting 76
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.54096G	52.17	68.20	-16.03	38.73	3	Vertical	185	1.57	-	38.78	7.29	32.63
PK	15.81408G	57.05	74.00	-16.95	42.85	3	Vertical	247	1.80	-	37.94	9.13	32.87
AV	15.80388G	43.34	54.00	-10.66	29.11	3	Vertical	247	1.80	-	37.97	9.13	32.87

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5270MHz_TX

13/10/2018



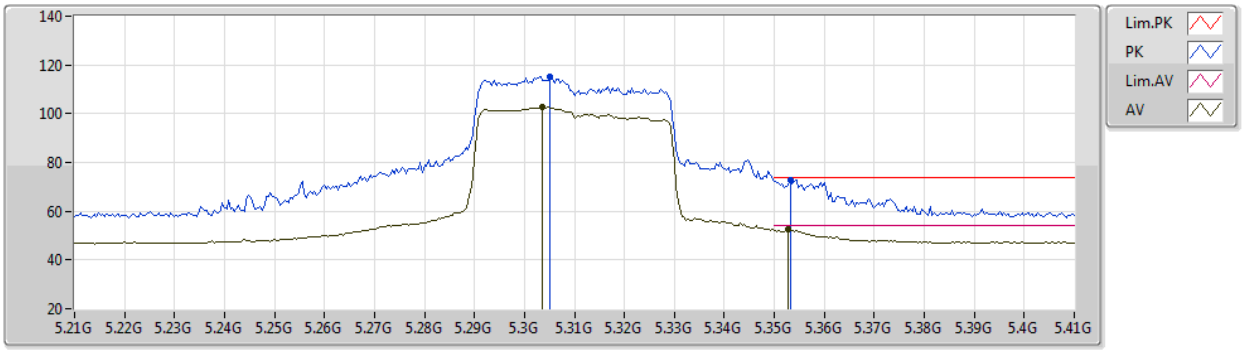
EUT Y_2TX
Setting 76
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.54004G	56.22	68.20	-11.98	42.78	3	Horizontal	106	2.21	-	38.78	7.29	32.63
PK	15.80648G	56.54	74.00	-17.46	42.32	3	Horizontal	158	1.80	-	37.96	9.13	32.87
AV	15.80828G	42.84	54.00	-11.16	28.62	3	Horizontal	158	1.80	-	37.96	9.13	32.87

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5310MHz_TX

13/10/2018



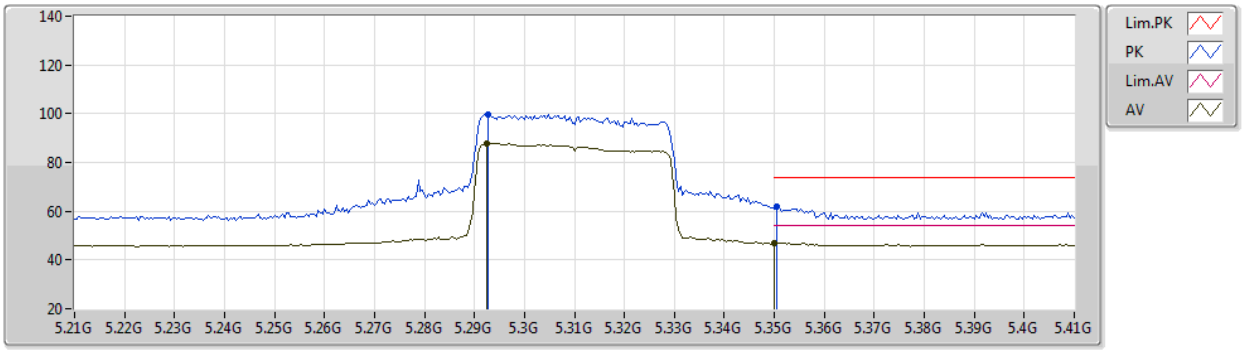
EUT Y_2TX
Setting 63
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3052G	115.43	Inf	-Inf	108.29	3	Vertical	354	1.18	-	33.71	5.05	31.62
AV	5.3036G	102.62	Inf	-Inf	95.49	3	Vertical	354	1.18	-	33.70	5.05	31.62
PK	5.3532G	72.81	74.00	-1.19	65.62	3	Vertical	354	1.18	-	33.75	5.02	31.58
AV	5.3528G	52.55	54.00	-1.45	45.36	3	Vertical	354	1.18	-	33.75	5.02	31.58

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5310MHz_TX

13/10/2018



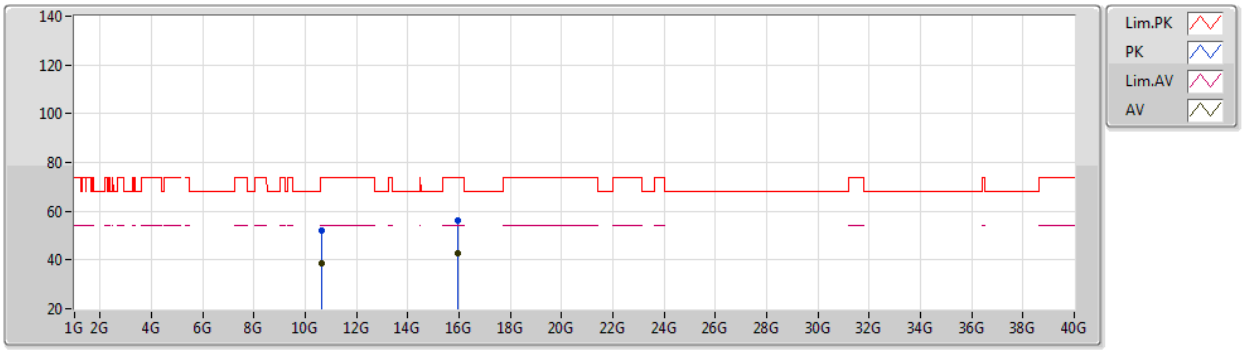
EUT Y_2TX
Setting 63
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.2928G	99.85	Inf	-Inf	92.74	3	Horizontal	360	1.54	-	33.69	5.05	31.63
AV	5.2924G	87.63	Inf	-Inf	80.53	3	Horizontal	360	1.54	-	33.68	5.05	31.63
PK	5.3504G	61.93	74.00	-12.07	54.74	3	Horizontal	360	1.54	-	33.75	5.02	31.58
AV	5.35G	46.88	54.00	-7.12	39.69	3	Horizontal	360	1.54	-	33.75	5.03	31.59

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5310MHz_TX

13/10/2018



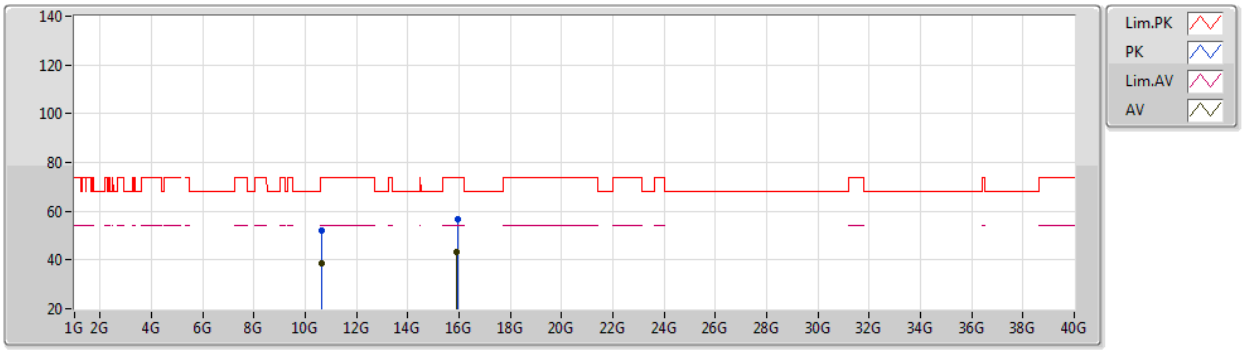
EUT Y_2TX
Setting 63
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.61728G	51.95	74.00	-22.05	38.55	3	Vertical	344	1.46	-	38.73	7.32	32.65
AV	10.62264G	38.81	54.00	-15.19	25.41	3	Vertical	344	1.46	-	38.73	7.32	32.65
PK	15.93528G	56.14	74.00	-17.86	42.25	3	Vertical	160	1.80	-	37.59	9.18	32.88
AV	15.93016G	42.88	54.00	-11.12	28.98	3	Vertical	160	1.80	-	37.60	9.18	32.88

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

5310MHz_TX

13/10/2018



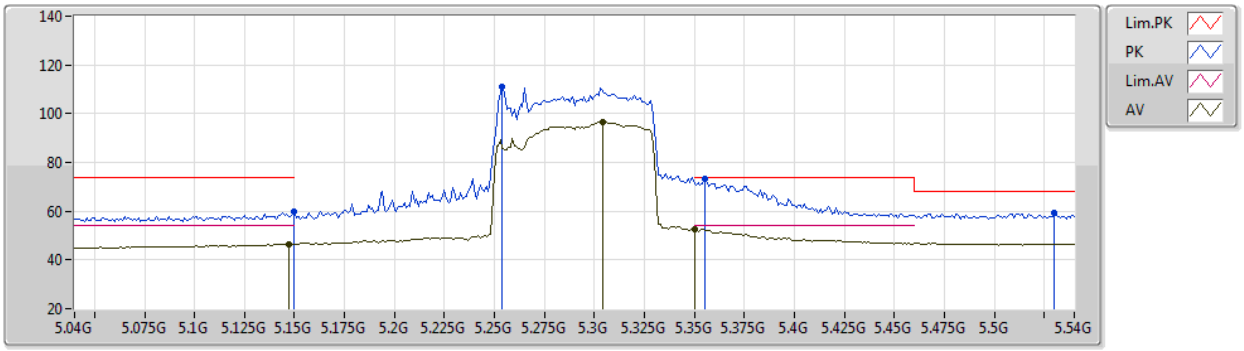
EUT Y_2TX
Setting 63
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.62796G	52.26	74.00	-21.74	38.88	3	Horizontal	104	1.80	-	38.72	7.32	32.66
AV	10.61752G	38.85	54.00	-15.15	25.45	3	Horizontal	104	1.80	-	38.73	7.32	32.65
PK	15.93316G	56.61	74.00	-17.39	42.72	3	Horizontal	65	1.82	-	37.59	9.18	32.88
AV	15.92412G	43.24	54.00	-10.76	29.33	3	Horizontal	65	1.82	-	37.62	9.17	32.88

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5290MHz_TX

13/10/2018



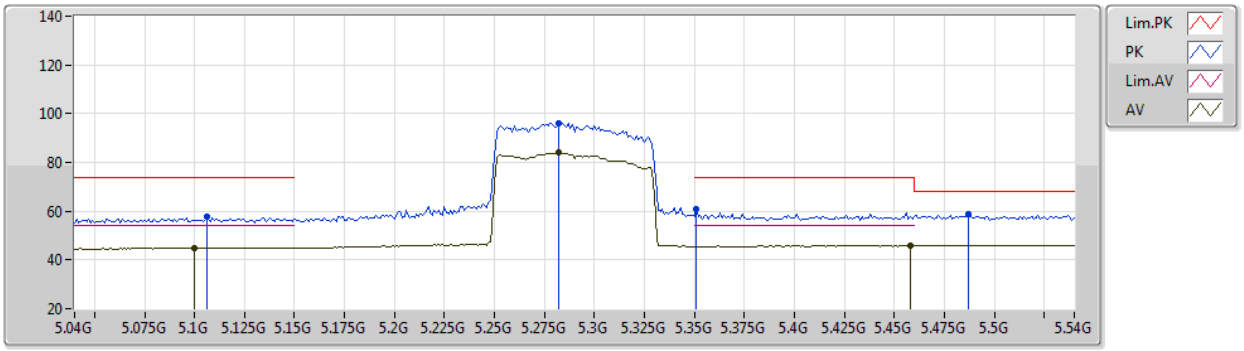
EUT Y_2TX
Setting 60
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	59.76	74.00	-14.24	53.04	3	Vertical	24	1.81	-	33.45	5.00	31.73
AV	5.147G	46.50	54.00	-7.50	39.79	3	Vertical	24	1.81	-	33.45	4.99	31.73
PK	5.254G	110.78	Inf	-Inf	103.75	3	Vertical	24	1.81	-	33.61	5.07	31.65
AV	5.304G	96.58	Inf	-Inf	89.45	3	Vertical	24	1.81	-	33.70	5.05	31.62
PK	5.355G	73.49	74.00	-0.51	66.29	3	Vertical	24	1.81	-	33.76	5.02	31.58
AV	5.35G	52.50	54.00	-1.50	45.31	3	Vertical	24	1.81	-	33.75	5.03	31.59
PK	5.53G	59.52	68.20	-8.68	51.96	3	Vertical	24	1.81	-	33.90	5.13	31.47

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5290MHz_TX

13/10/2018



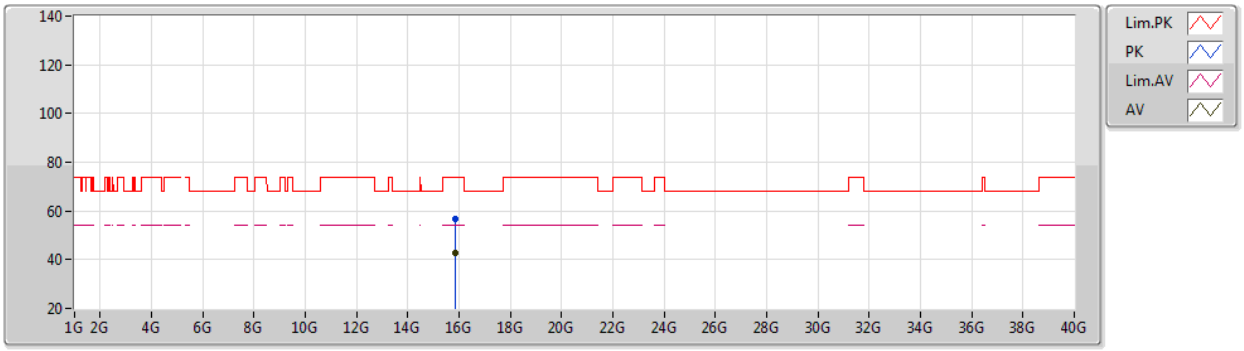
EUT Y_2TX
Setting 60
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.106G	57.84	74.00	-16.16	51.28	3	Horizontal	0	1.27	-	33.41	4.91	31.76
AV	5.1G	44.94	54.00	-9.06	38.40	3	Horizontal	0	1.27	-	33.40	4.90	31.76
PK	5.282G	96.04	Inf	-Inf	88.95	3	Horizontal	0	1.27	-	33.66	5.06	31.63
AV	5.282G	84.00	Inf	-Inf	76.91	3	Horizontal	0	1.27	-	33.66	5.06	31.63
PK	5.351G	60.66	74.00	-13.34	53.47	3	Horizontal	0	1.27	-	33.75	5.02	31.58
AV	5.458G	45.87	54.00	-8.13	38.45	3	Horizontal	0	1.27	-	33.86	5.06	31.50
PK	5.487G	58.93	68.20	-9.27	51.43	3	Horizontal	0	1.27	-	33.89	5.09	31.48

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5290MHz_TX

13/10/2018



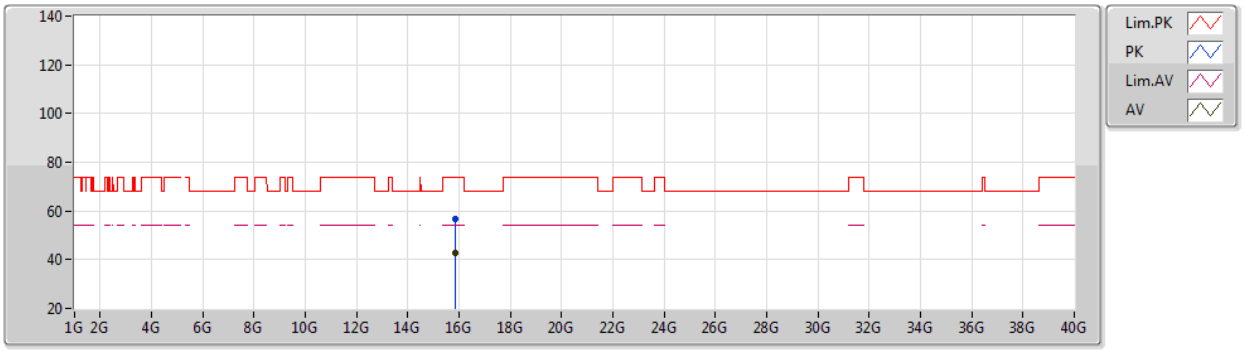
EUT Y_2TX
Setting 60
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.86968G	56.68	74.00	-17.32	42.62	3	Vertical	285	2.15	-	37.78	9.15	32.87
AV	15.8738G	42.80	54.00	-11.20	28.74	3	Vertical	285	2.15	-	37.77	9.16	32.87

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

13/10/2018

5290MHz_TX



EUT Y_2TX
Setting 60
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.87604G	56.80	74.00	-17.20	42.75	3	Horizontal	71	1.80	-	37.76	9.16	32.87
AV	15.86156G	42.88	54.00	-11.12	28.80	3	Horizontal	71	1.80	-	37.80	9.15	32.87

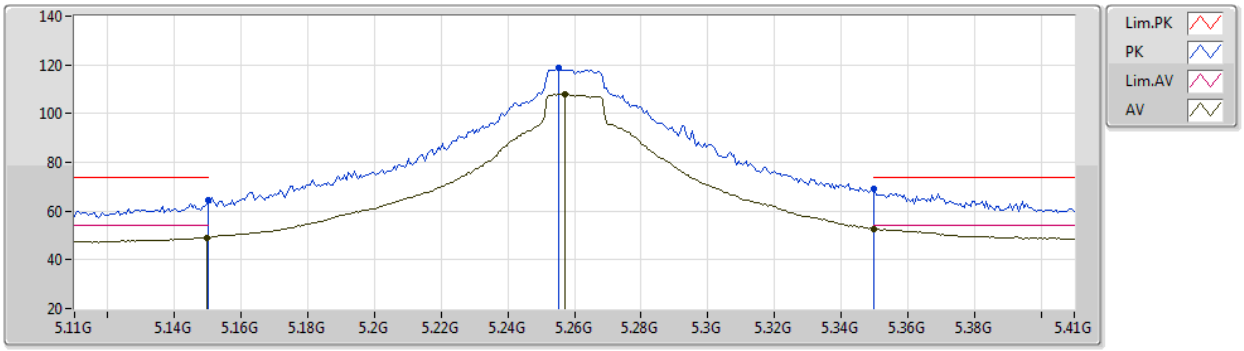
For 5G Radio
For non beamforming mode 1TX
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_1TX	Pass	PK	5.725G	68.17	68.20	-0.03	3	Vertical	7	1.46	-

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

25/09/2020



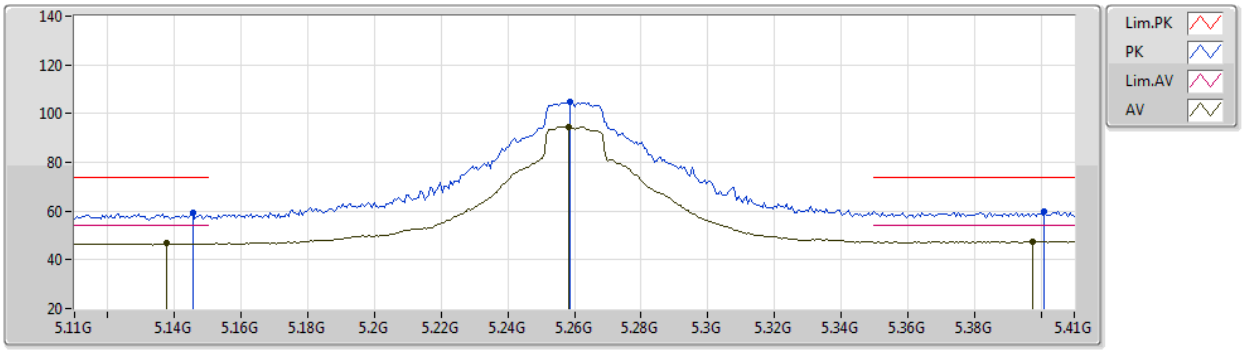
EUT Y_1TX Ant 2
Setting 93
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	64.48	74.00	-9.52	56.79	3	Vertical	0	1.54	-	33.45	5.97	31.73
AV	5.1496G	49.04	54.00	-4.96	41.35	3	Vertical	0	1.54	-	33.45	5.97	31.73
PK	5.2552G	118.55	Inf	-Inf	110.56	3	Vertical	0	1.54	-	33.61	6.03	31.65
AV	5.257G	108.08	Inf	-Inf	100.09	3	Vertical	0	1.54	-	33.61	6.03	31.65
PK	5.35G	69.04	74.00	-4.96	60.79	3	Vertical	0	1.54	-	33.75	6.08	31.58
AV	5.35G	52.58	54.00	-1.42	44.33	3	Vertical	0	1.54	-	33.75	6.08	31.58

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

25/09/2020



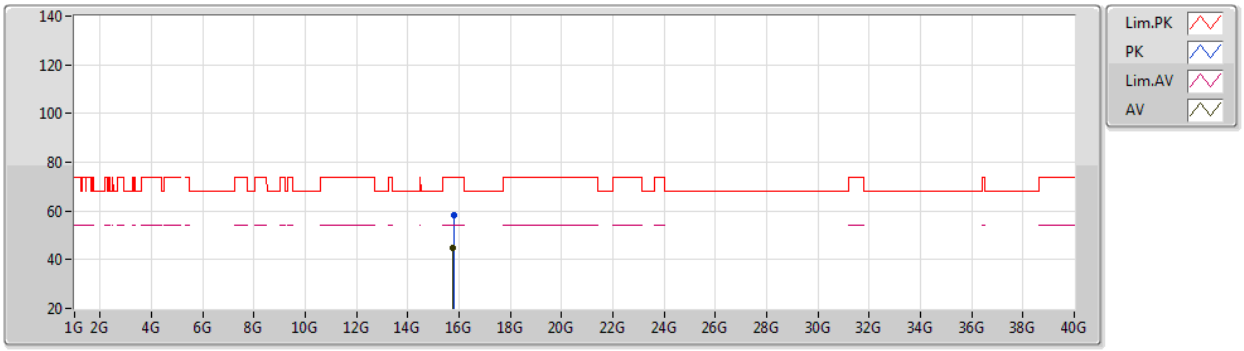
EUT Y_1TX Ant 2
Setting 93
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1454G	59.17	74.00	-14.83	51.48	3	Horizontal	342	1.78	-	33.45	5.97	31.73
AV	5.1376G	46.65	54.00	-7.35	38.97	3	Horizontal	342	1.78	-	33.44	5.97	31.73
PK	5.2588G	104.81	Inf	-Inf	96.81	3	Horizontal	342	1.78	-	33.62	6.03	31.65
AV	5.2582G	94.64	Inf	-Inf	86.64	3	Horizontal	342	1.78	-	33.62	6.03	31.65
PK	5.401G	59.92	74.00	-14.08	51.57	3	Horizontal	342	1.78	-	33.80	6.10	31.55
AV	5.3974G	47.47	54.00	-6.53	39.12	3	Horizontal	342	1.78	-	33.80	6.10	31.55

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

25/09/2020



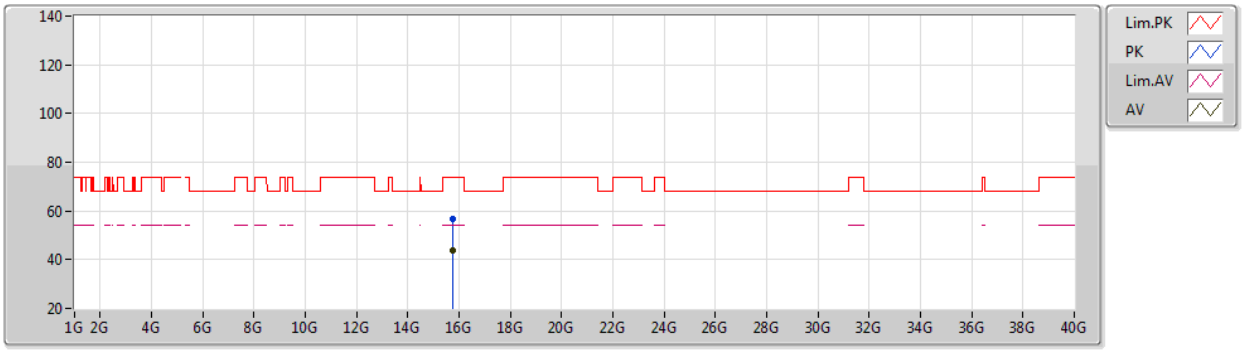
EUT Y_1TX Ant 2
Setting 93
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.78252G	58.06	74.00	-15.94	43.57	3	Vertical	146	1.13	-	38.03	9.33	32.87
AV	15.77304G	44.69	54.00	-9.31	30.17	3	Vertical	146	1.13	-	38.06	9.33	32.87

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

25/09/2020



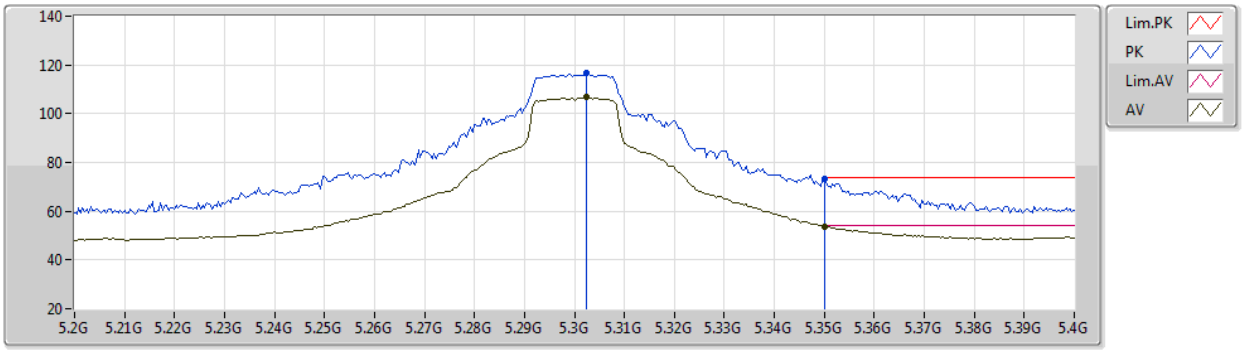
EUT Y_1TX Ant 2
Setting 93
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.77064G	56.70	74.00	-17.30	42.18	3	Horizontal	268	2.08	-	38.07	9.32	32.87
AV	15.7778G	43.78	54.00	-10.22	29.28	3	Horizontal	268	2.08	-	38.04	9.33	32.87

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

25/09/2020



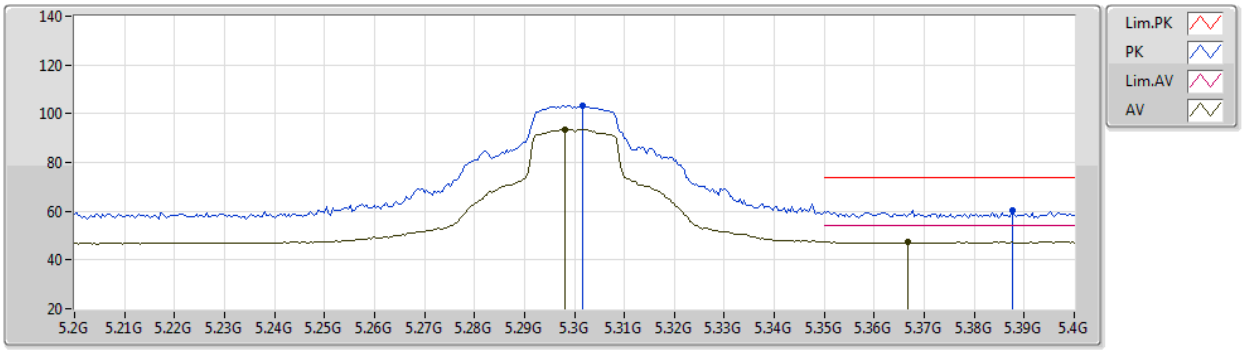
EUT Y_1TX Ant 2
Setting 86
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3024G	116.66	Inf	-Inf	108.53	3	Vertical	0	1.50	-	33.70	6.05	31.62
AV	5.3024G	106.67	Inf	-Inf	98.54	3	Vertical	0	1.50	-	33.70	6.05	31.62
PK	5.35G	73.26	74.00	-0.74	65.01	3	Vertical	0	1.50	-	33.75	6.08	31.58
AV	5.35G	53.83	54.00	-0.17	45.58	3	Vertical	0	1.50	-	33.75	6.08	31.58

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

25/09/2020



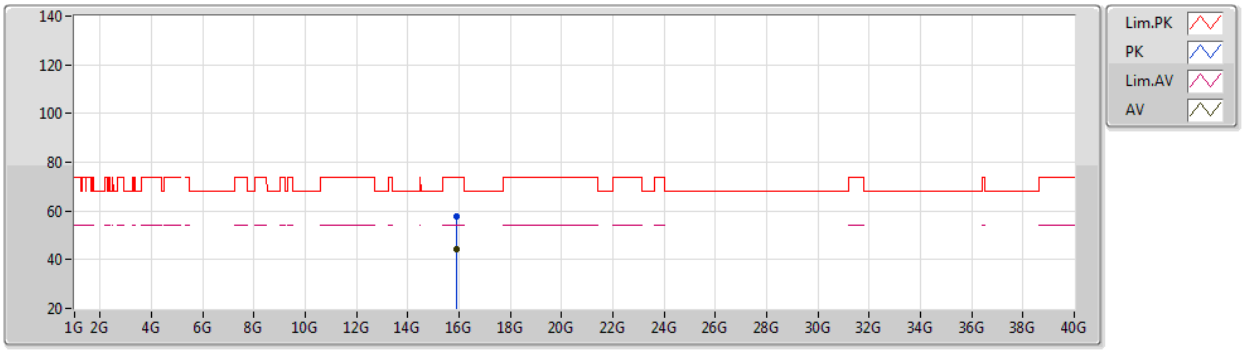
EUT Y_1TX Ant 2
Setting 86
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3016G	103.53	Inf	-Inf	95.40	3	Horizontal	337	2.00	-	33.70	6.05	31.62
AV	5.298G	93.58	Inf	-Inf	85.45	3	Horizontal	337	2.00	-	33.70	6.05	31.62
PK	5.3876G	60.27	74.00	-13.73	51.95	3	Horizontal	337	2.00	-	33.79	6.09	31.56
AV	5.3668G	47.54	54.00	-6.46	39.26	3	Horizontal	337	2.00	-	33.77	6.08	31.57

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

25/09/2020



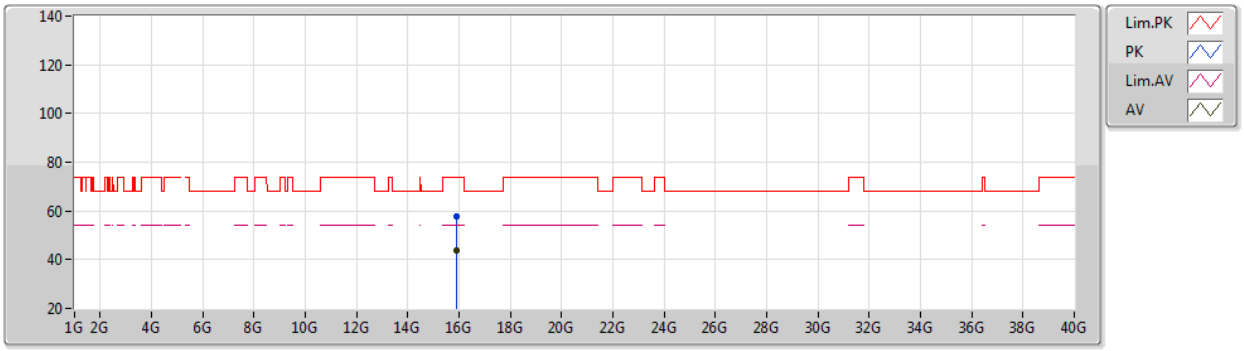
EUT Y_1TX Ant 2
Setting 86
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.89888G	57.60	74.00	-16.40	43.41	3	Vertical	171	2.56	-	37.69	9.37	32.87
AV	15.90188G	44.38	54.00	-9.62	30.21	3	Vertical	171	2.56	-	37.68	9.37	32.88

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

25/09/2020



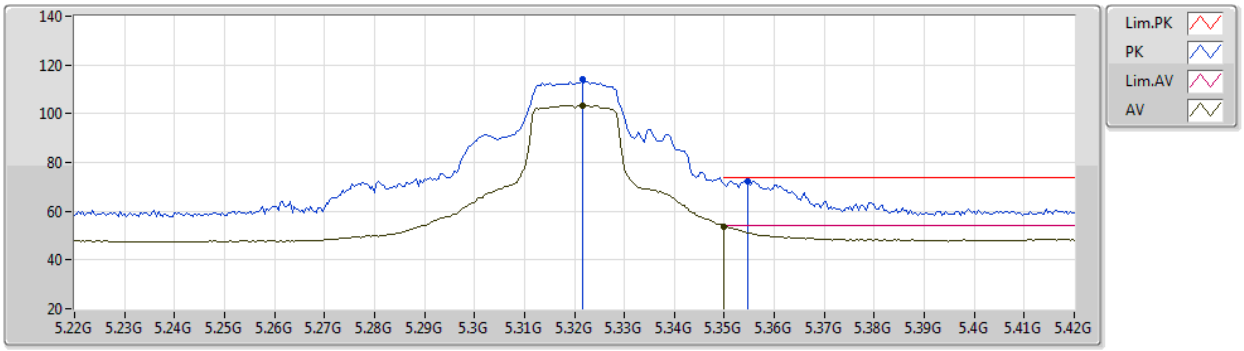
EUT Y_1TX Ant 2
Setting 86
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.90992G	57.89	74.00	-16.11	43.74	3	Horizontal	49	2.24	-	37.66	9.37	32.88
AV	15.89716G	44.02	54.00	-9.98	29.82	3	Horizontal	49	2.24	-	37.70	9.37	32.87

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

25/09/2020



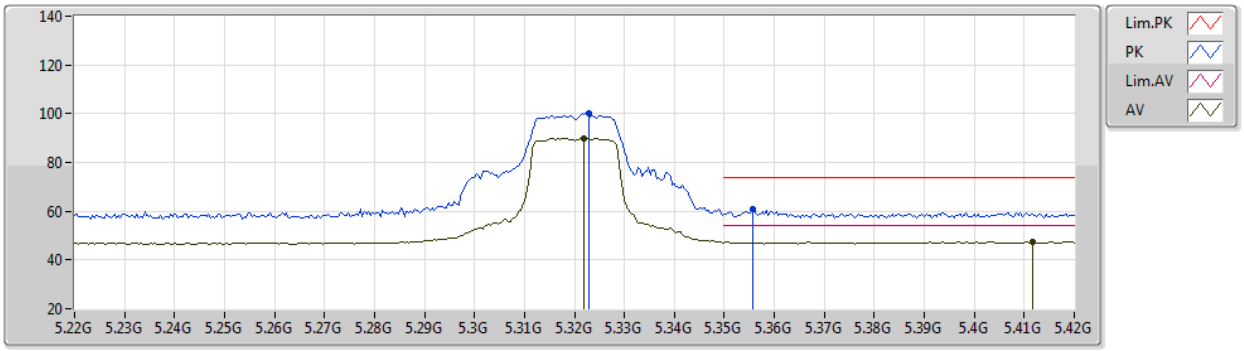
EUT Y_1TX Ant 2
Setting 76
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3216G	113.95	Inf	-Inf	105.77	3	Vertical	360	1.30	-	33.72	6.06	31.60
AV	5.3216G	103.51	Inf	-Inf	95.33	3	Vertical	360	1.30	-	33.72	6.06	31.60
PK	5.3548G	72.39	74.00	-1.61	64.14	3	Vertical	360	1.30	-	33.75	6.08	31.58
AV	5.35G	53.80	54.00	-0.20	45.55	3	Vertical	360	1.30	-	33.75	6.08	31.58

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

25/09/2020



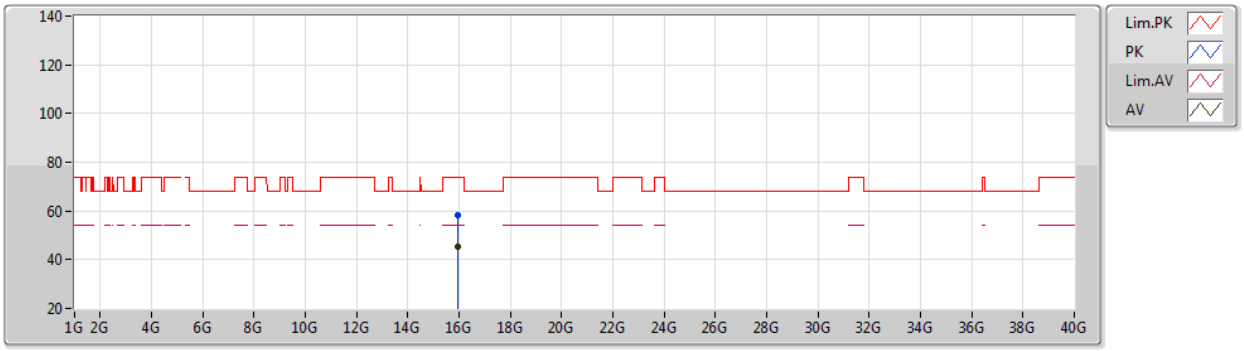
EUT Y_1TX Ant 2
Setting 76
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3228G	100.17	Inf	-Inf	91.99	3	Horizontal	341	1.31	-	33.72	6.06	31.60
AV	5.322G	89.90	Inf	-Inf	81.72	3	Horizontal	341	1.31	-	33.72	6.06	31.60
PK	5.3556G	60.68	74.00	-13.32	52.42	3	Horizontal	341	1.31	-	33.76	6.08	31.58
AV	5.4116G	47.31	54.00	-6.69	38.93	3	Horizontal	341	1.31	-	33.81	6.11	31.54

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

25/09/2020



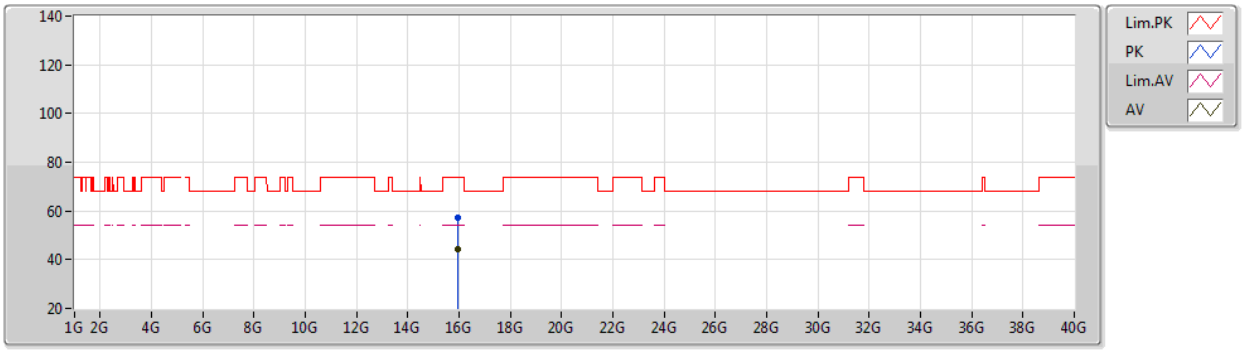
EUT Y_1TX Ant 2
Setting 76
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.95692G	58.47	74.00	-15.53	44.44	3	Vertical	115	1.54	-	37.52	9.39	32.88
AV	15.95512G	45.49	54.00	-8.51	31.45	3	Vertical	115	1.54	-	37.53	9.39	32.88

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

25/09/2020



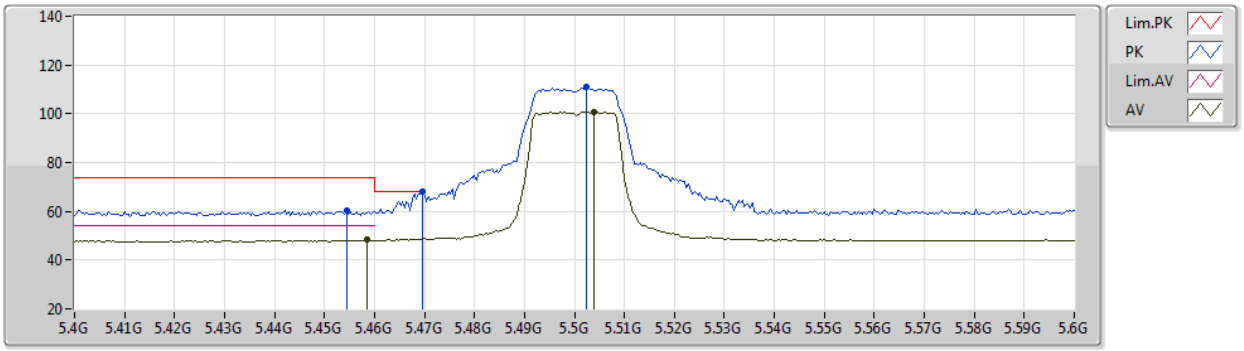
EUT Y_1TX Ant 2
Setting 76
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.95824G	57.33	74.00	-16.67	43.30	3	Horizontal	309	1.74	-	37.52	9.39	32.88
AV	15.96412G	44.42	54.00	-9.58	30.41	3	Horizontal	309	1.74	-	37.50	9.39	32.88

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

25/09/2020



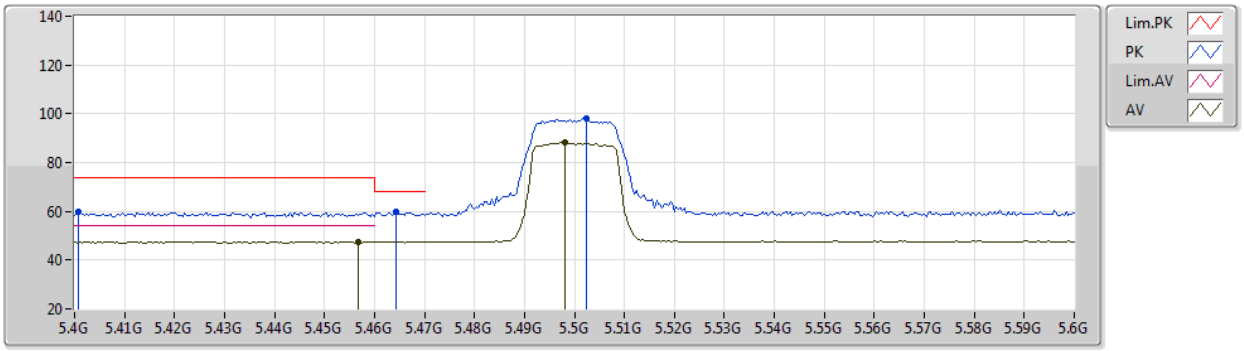
EUT Y_1TX Ant 2
Setting 60
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.4544G	60.56	74.00	-13.44	52.06	3	Vertical	360	1.35	-	33.85	6.16	31.51
AV	5.4584G	48.35	54.00	-5.65	39.83	3	Vertical	360	1.35	-	33.86	6.16	31.50
PK	5.4696G	68.06	68.20	-0.14	59.50	3	Vertical	360	1.35	-	33.87	6.18	31.49
PK	5.5024G	110.97	Inf	-Inf	102.33	3	Vertical	360	1.35	-	33.90	6.21	31.47
AV	5.504G	100.79	Inf	-Inf	92.15	3	Vertical	360	1.35	-	33.90	6.21	31.47

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

25/09/2020



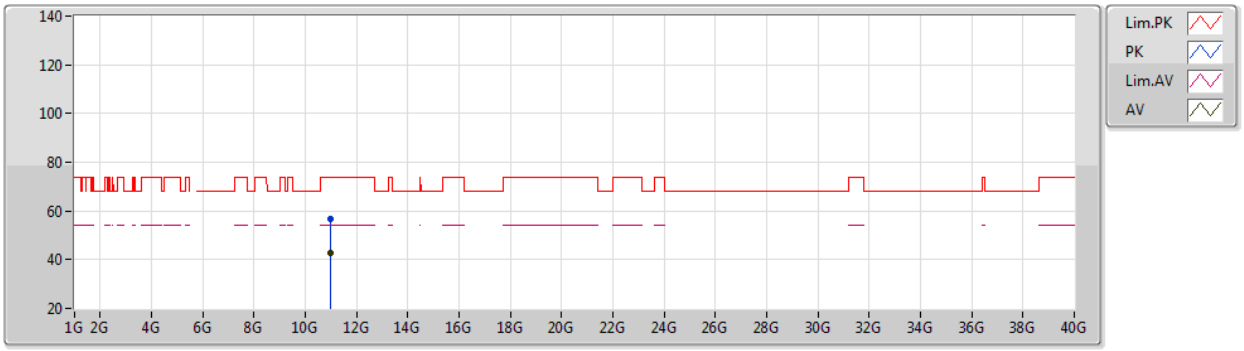
EUT Y_1TX Ant 2
Setting 60
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.4008G	59.75	74.00	-14.25	51.40	3	Horizontal	340	1.28	-	33.80	6.10	31.55
PK	5.4644G	59.90	68.20	-8.30	51.37	3	Horizontal	340	1.28	-	33.86	6.17	31.50
AV	5.4568G	47.55	54.00	-6.45	39.03	3	Horizontal	340	1.28	-	33.86	6.16	31.50
PK	5.5024G	98.05	Inf	-Inf	89.41	3	Horizontal	340	1.28	-	33.90	6.21	31.47
AV	5.498G	88.06	Inf	-Inf	79.42	3	Horizontal	340	1.28	-	33.90	6.21	31.47

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

25/09/2020



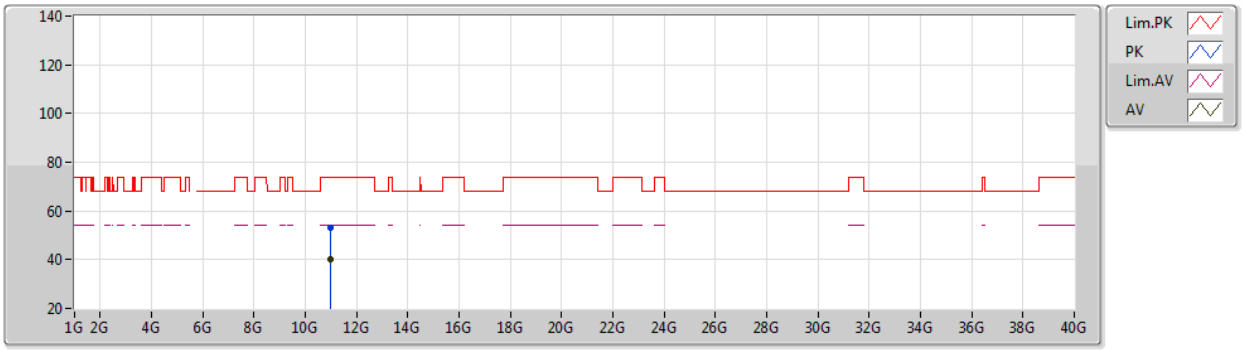
EUT Y_1TX Ant 2
Setting 60
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.99772G	56.70	74.00	-17.30	42.25	3	Vertical	4	1.50	-	38.50	8.71	32.76
AV	11.00272G	42.58	54.00	-11.42	28.13	3	Vertical	4	1.50	-	38.50	8.71	32.76

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

25/09/2020



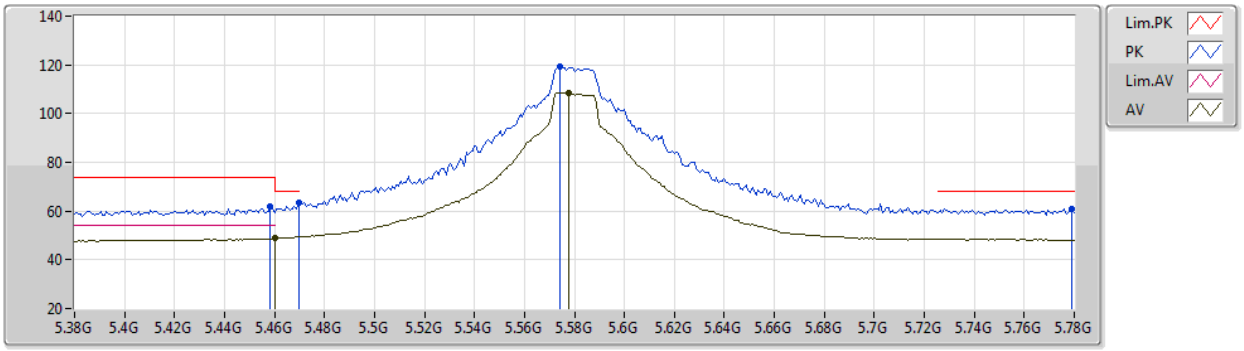
EUT Y_1TX Ant 2
Setting 60
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.00472G	53.15	74.00	-20.85	38.70	3	Horizontal	57	1.38	-	38.50	8.71	32.76
AV	10.99772G	40.02	54.00	-13.98	25.57	3	Horizontal	57	1.38	-	38.50	8.71	32.76

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

25/09/2020



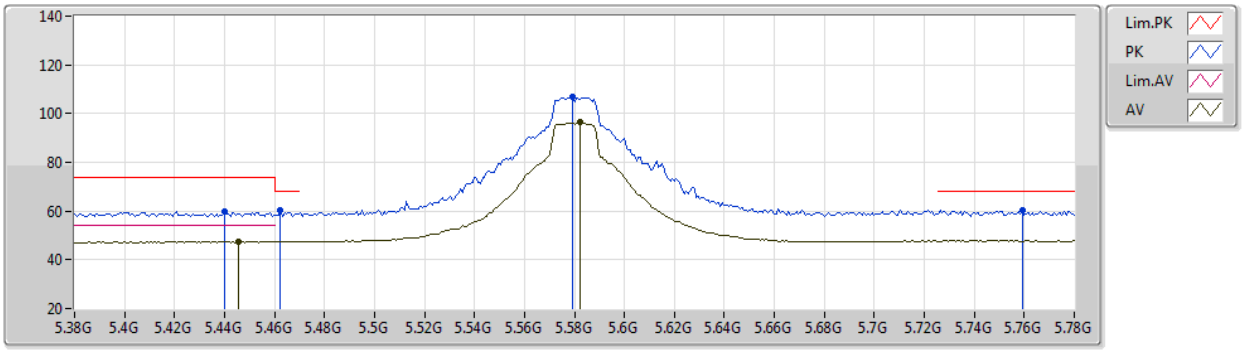
EUT Y_1TX Ant 2
Setting 90
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.4584G	62.10	74.00	-11.90	53.58	3	Vertical	8	1.48	-	33.86	6.16	31.50
AV	5.46G	48.81	54.00	-5.19	40.28	3	Vertical	8	1.48	-	33.86	6.17	31.50
PK	5.4696G	63.65	68.20	-4.55	55.09	3	Vertical	8	1.48	-	33.87	6.18	31.49
PK	5.5744G	119.11	Inf	-Inf	110.40	3	Vertical	8	1.48	-	33.90	6.28	31.47
AV	5.5776G	108.60	Inf	-Inf	99.89	3	Vertical	8	1.48	-	33.90	6.28	31.47
PK	5.7792G	61.01	68.20	-7.19	52.28	3	Vertical	8	1.48	-	33.80	6.39	31.46

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

25/09/2020



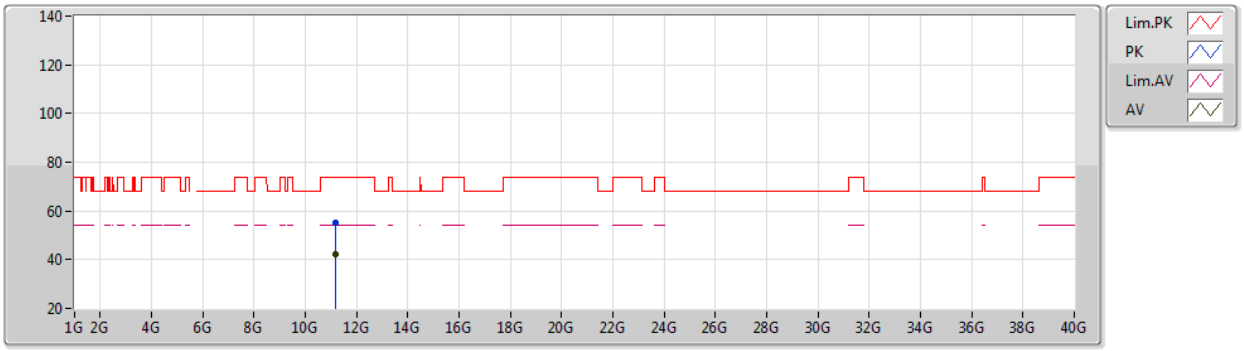
EUT Y_1TX Ant 2
Setting 90
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.44G	60.06	74.00	-13.94	51.60	3	Horizontal	339	1.25	-	33.84	6.14	31.52
AV	5.4456G	47.59	54.00	-6.41	39.10	3	Horizontal	339	1.25	-	33.85	6.15	31.51
PK	5.4624G	60.18	68.20	-8.02	51.65	3	Horizontal	339	1.25	-	33.86	6.17	31.50
PK	5.5792G	106.79	Inf	-Inf	98.08	3	Horizontal	339	1.25	-	33.90	6.28	31.47
AV	5.5824G	96.59	Inf	-Inf	87.88	3	Horizontal	339	1.25	-	33.90	6.28	31.47
PK	5.7592G	60.40	68.20	-7.80	51.68	3	Horizontal	339	1.25	-	33.80	6.38	31.46

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

25/09/2020



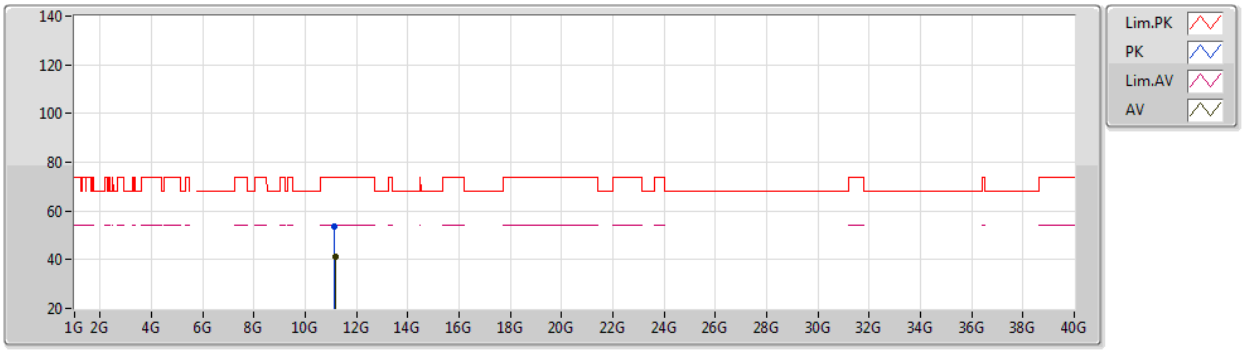
EUT Y_1TX Ant 2
Setting 90
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.15712G	55.37	74.00	-18.63	40.77	3	Vertical	71	1.28	-	38.63	8.76	32.79
AV	11.16076G	42.04	54.00	-11.96	27.44	3	Vertical	71	1.28	-	38.63	8.76	32.79

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

25/09/2020



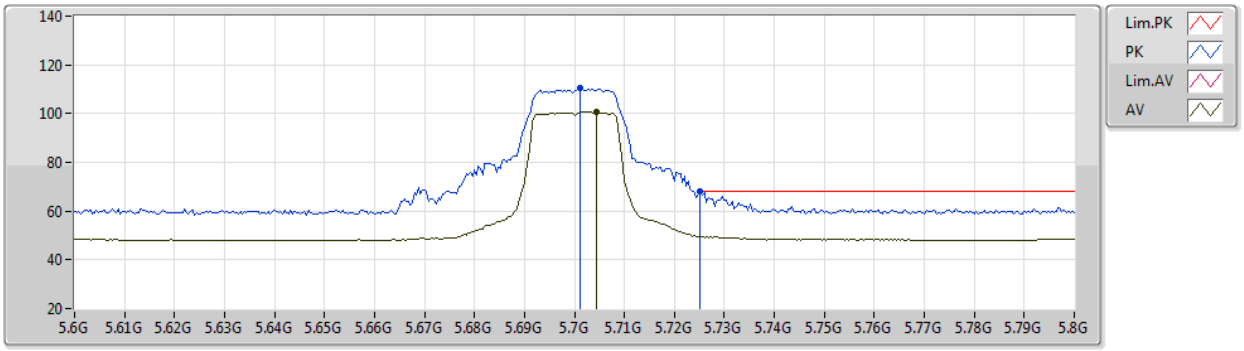
EUT Y_1TX Ant 2
Setting 90
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.1524G	53.48	74.00	-20.52	38.90	3	Horizontal	318	1.93	-	38.62	8.75	32.79
AV	11.1608G	40.95	54.00	-13.05	26.35	3	Horizontal	318	1.93	-	38.63	8.76	32.79

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

25/09/2020



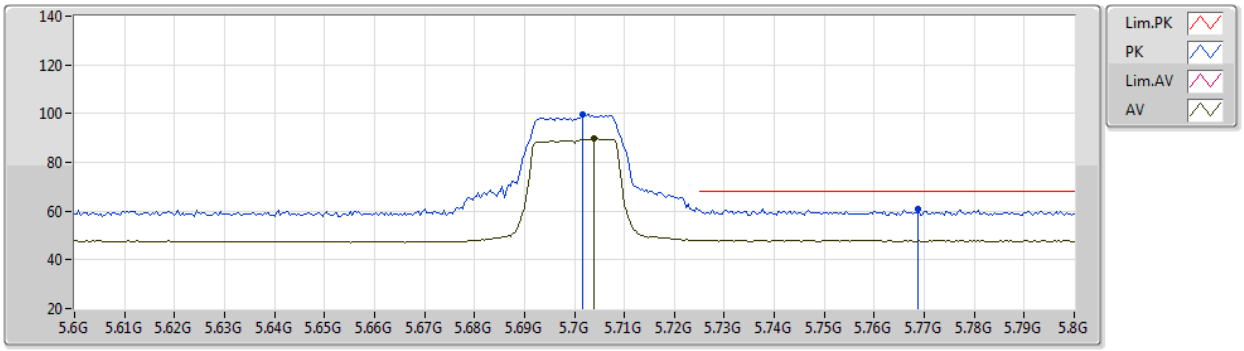
EUT Y_1TX Ant 2
Setting 61
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.7012G	110.57	Inf	-Inf	101.88	3	Vertical	360	1.38	-	33.80	6.35	31.46
AV	5.7044G	100.83	Inf	-Inf	92.14	3	Vertical	360	1.38	-	33.80	6.35	31.46
PK	5.7252G	67.98	68.20	-0.22	59.28	3	Vertical	360	1.38	-	33.80	6.36	31.46

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

25/09/2020



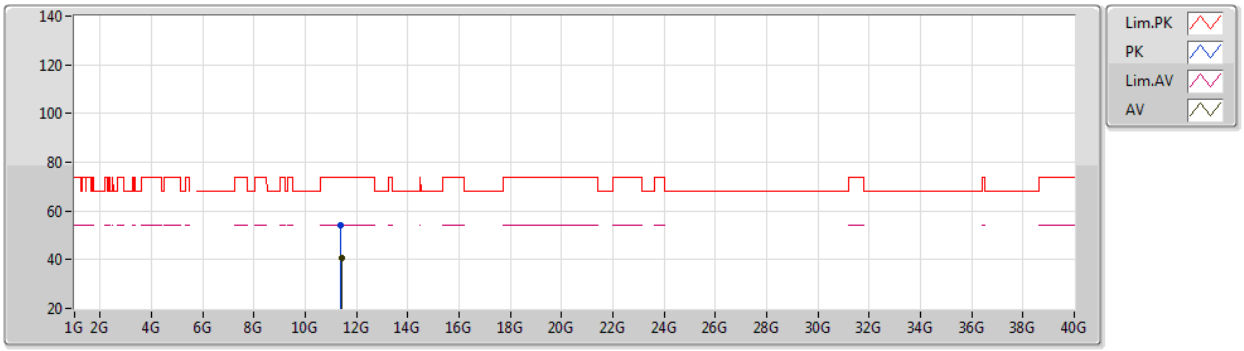
EUT Y_1TX Ant 2
Setting 61
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.7016G	99.76	Inf	-Inf	91.07	3	Horizontal	335	1.80	-	33.80	6.35	31.46
AV	5.704G	89.80	Inf	-Inf	81.11	3	Horizontal	335	1.80	-	33.80	6.35	31.46
PK	5.7688G	60.99	68.20	-7.21	52.27	3	Horizontal	335	1.80	-	33.80	6.38	31.46

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

25/09/2020



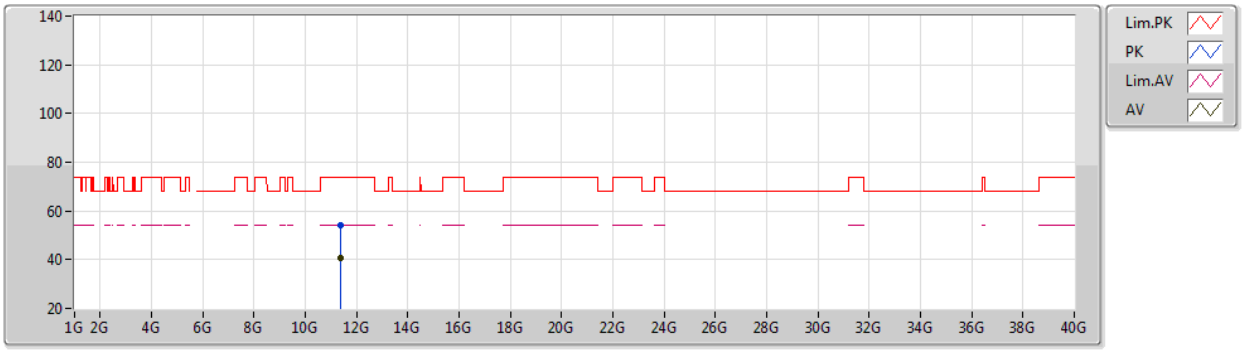
EUT Y_1TX Ant 2
Setting 61
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.39772G	54.35	74.00	-19.65	39.53	3	Vertical	42	2.84	-	38.82	8.83	32.83
AV	11.40396G	40.79	54.00	-13.21	25.97	3	Vertical	42	2.84	-	38.82	8.83	32.83

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

25/09/2020



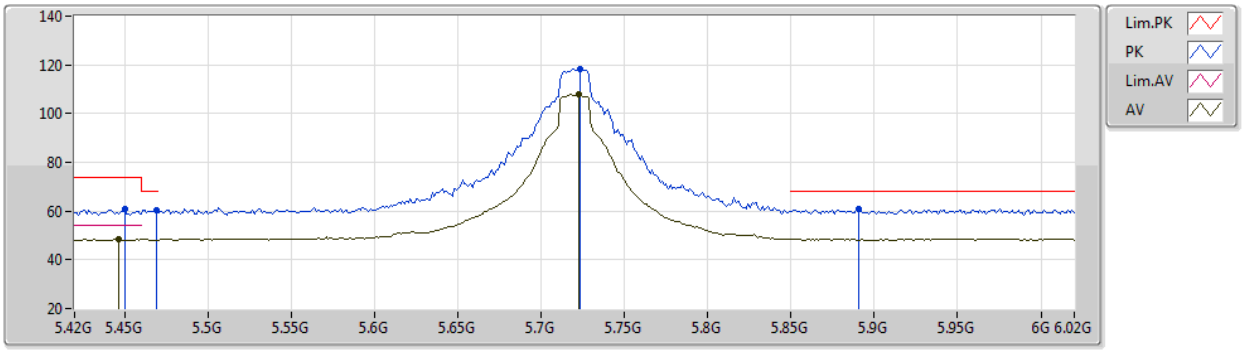
EUT Y_1TX Ant 2
Setting 61
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.39884G	54.06	74.00	-19.94	39.24	3	Horizontal	36	2.91	-	38.82	8.83	32.83
AV	11.39008G	40.80	54.00	-13.20	26.00	3	Horizontal	36	2.91	-	38.81	8.82	32.83

802.11a_Nss1,(6Mbps)_1TX

25/09/2020

5720MHz Straddle 5.47-5.725GHz_TX



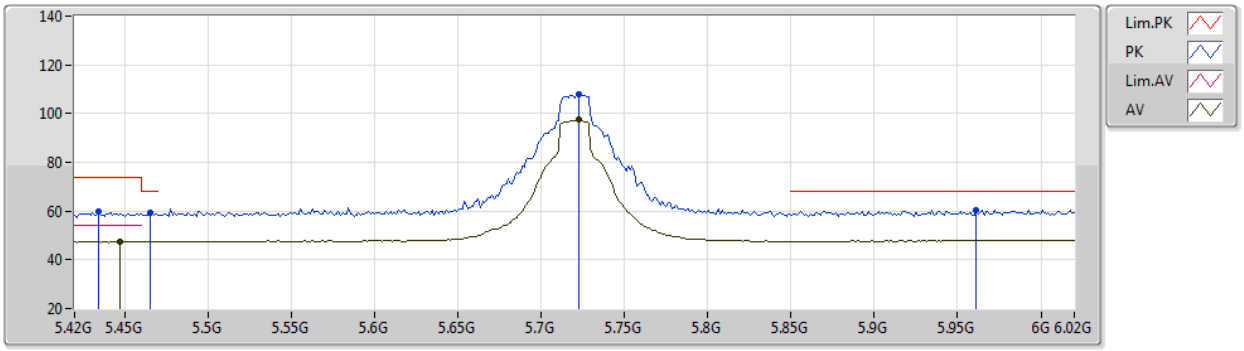
EUT Y_1TX Ant 2
Setting 90
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.45G	60.62	74.00	-13.38	52.13	3	Vertical	0	1.46	-	33.85	6.15	31.51
AV	5.4464G	48.31	54.00	-5.69	39.82	3	Vertical	0	1.46	-	33.85	6.15	31.51
PK	5.4692G	60.43	68.20	-7.77	51.87	3	Vertical	0	1.46	-	33.87	6.18	31.49
PK	5.7236G	118.22	Inf	-Inf	109.52	3	Vertical	0	1.46	-	33.80	6.36	31.46
AV	5.7224G	108.08	Inf	-Inf	99.38	3	Vertical	0	1.46	-	33.80	6.36	31.46
PK	5.8904G	60.84	68.20	-7.36	51.87	3	Vertical	0	1.46	-	34.07	6.35	31.45

802.11a_Nss1,(6Mbps)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

25/09/2020



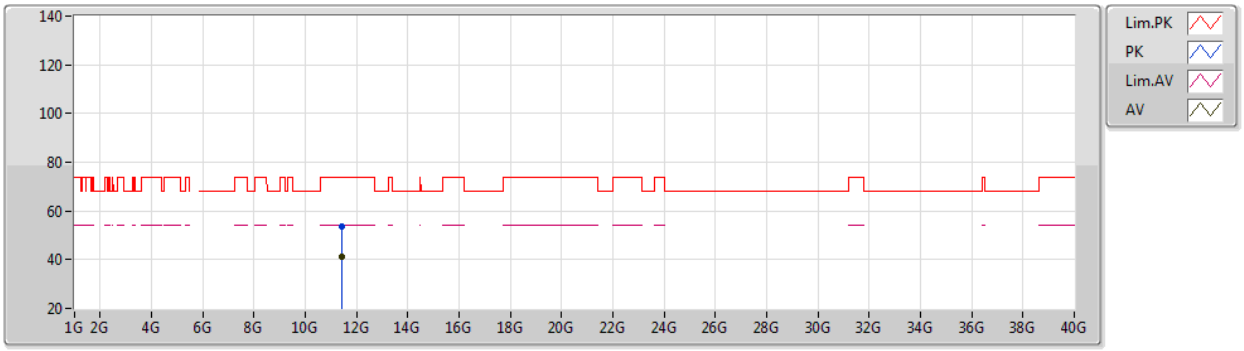
EUT Y_1TX Ant 2
Setting 90
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.4344G	59.75	74.00	-14.25	51.30	3	Horizontal	338	1.77	-	33.83	6.14	31.52
AV	5.4476G	47.48	54.00	-6.52	38.99	3	Horizontal	338	1.77	-	33.85	6.15	31.51
PK	5.4656G	59.21	68.20	-8.99	50.67	3	Horizontal	338	1.77	-	33.87	6.17	31.50
PK	5.7224G	107.69	Inf	-Inf	98.99	3	Horizontal	338	1.77	-	33.80	6.36	31.46
AV	5.7224G	97.71	Inf	-Inf	89.01	3	Horizontal	338	1.77	-	33.80	6.36	31.46
PK	5.9612G	60.34	68.20	-7.86	51.31	3	Horizontal	338	1.77	-	34.16	6.32	31.45

802.11a_Nss1,(6Mbps)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

25/09/2020



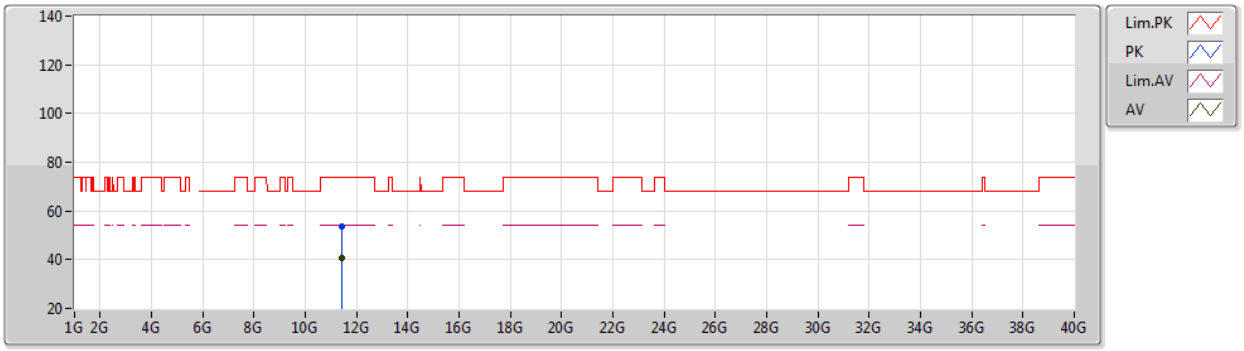
EUT Y_1TX Ant 2
Setting 90
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.44232G	53.83	74.00	-20.17	38.98	3	Vertical	161	2.06	-	38.85	8.84	32.84
AV	11.43992G	41.00	54.00	-13.00	26.15	3	Vertical	161	2.06	-	38.85	8.84	32.84

802.11a_Nss1,(6Mbps)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

25/09/2020



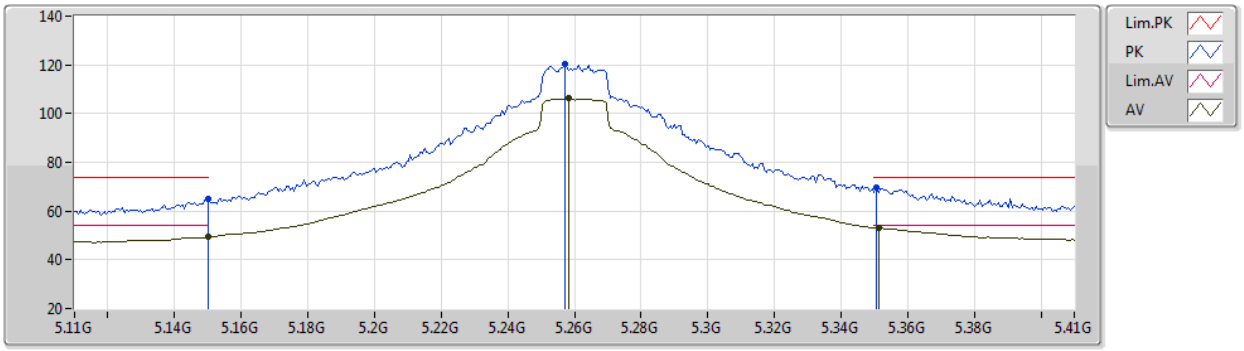
EUT Y_1TX Ant 2
Setting 90
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.44184G	53.71	74.00	-20.29	38.86	3	Horizontal	39	1.28	-	38.85	8.84	32.84
AV	11.43368G	40.84	54.00	-13.16	25.99	3	Horizontal	39	1.28	-	38.85	8.84	32.84

802.11ax HEW20_Nss1,(MCS0)_1TX

5260MHz_TX

25/09/2020



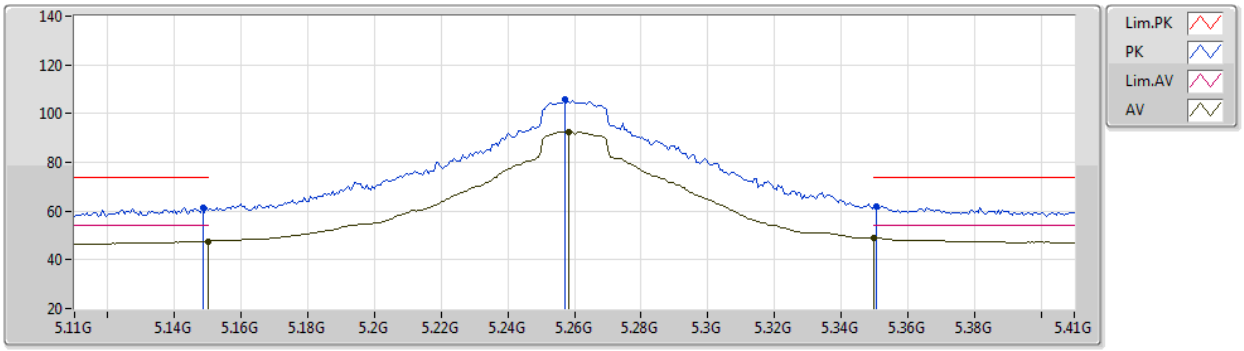
EUT Y_1TX Ant 2
Setting 92
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	64.83	74.00	-9.17	57.14	3	Vertical	358	1.36	-	33.45	5.97	31.73
AV	5.15G	49.41	54.00	-4.59	41.72	3	Vertical	358	1.36	-	33.45	5.97	31.73
PK	5.257G	120.52	Inf	-Inf	112.53	3	Vertical	358	1.36	-	33.61	6.03	31.65
AV	5.2582G	106.26	Inf	-Inf	98.26	3	Vertical	358	1.36	-	33.62	6.03	31.65
PK	5.3506G	69.87	74.00	-4.13	61.62	3	Vertical	358	1.36	-	33.75	6.08	31.58
AV	5.3512G	53.05	54.00	-0.95	44.80	3	Vertical	358	1.36	-	33.75	6.08	31.58

802.11ax HEW20_Nss1,(MCS0)_1TX

5260MHz_TX

25/09/2020



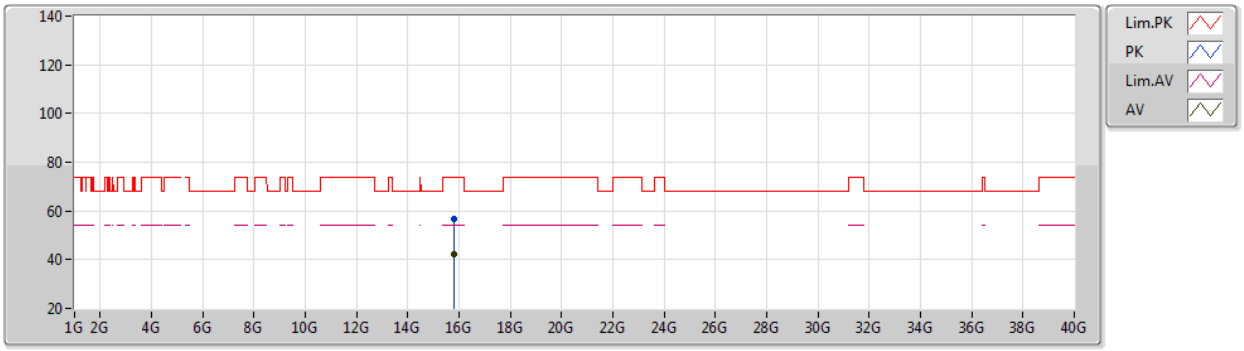
EUT Y_1TX Ant 2
Setting 92
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1484G	61.37	74.00	-12.63	53.68	3	Horizontal	345	1.78	-	33.45	5.97	31.73
AV	5.15G	47.66	54.00	-6.34	39.97	3	Horizontal	345	1.78	-	33.45	5.97	31.73
PK	5.257G	106.01	Inf	-Inf	98.02	3	Horizontal	345	1.78	-	33.61	6.03	31.65
AV	5.2582G	92.46	Inf	-Inf	84.46	3	Horizontal	345	1.78	-	33.62	6.03	31.65
PK	5.3506G	62.15	74.00	-11.85	53.90	3	Horizontal	345	1.78	-	33.75	6.08	31.58
AV	5.35G	48.82	54.00	-5.18	40.57	3	Horizontal	345	1.78	-	33.75	6.08	31.58

802.11ax HEW20_Nss1,(MCS0)_1TX

5260MHz_TX

25/09/2020



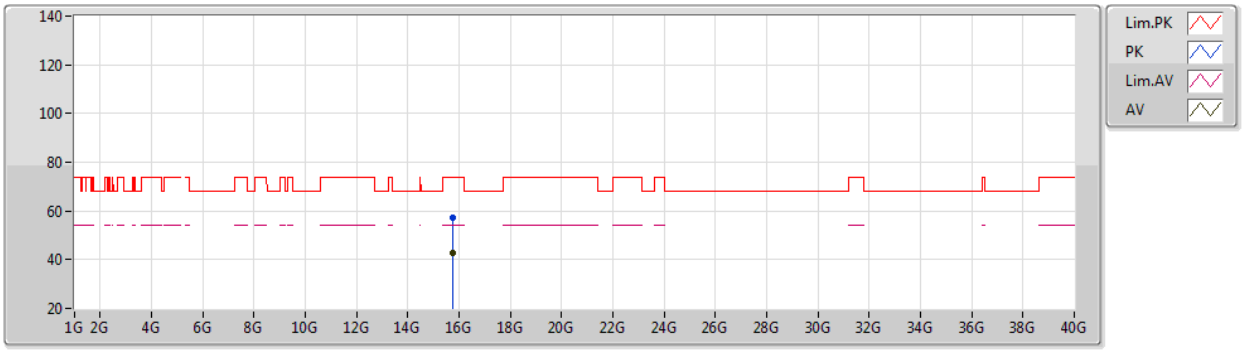
EUT Y_1TX Ant 2
Setting 92
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.78426G	56.72	74.00	-17.28	42.23	3	Vertical	131	2.21	-	38.03	9.33	32.87
AV	15.77956G	42.38	54.00	-11.62	27.88	3	Vertical	131	2.21	-	38.04	9.33	32.87

802.11ax HEW20_Nss1,(MCS0)_1TX

5260MHz_TX

25/09/2020



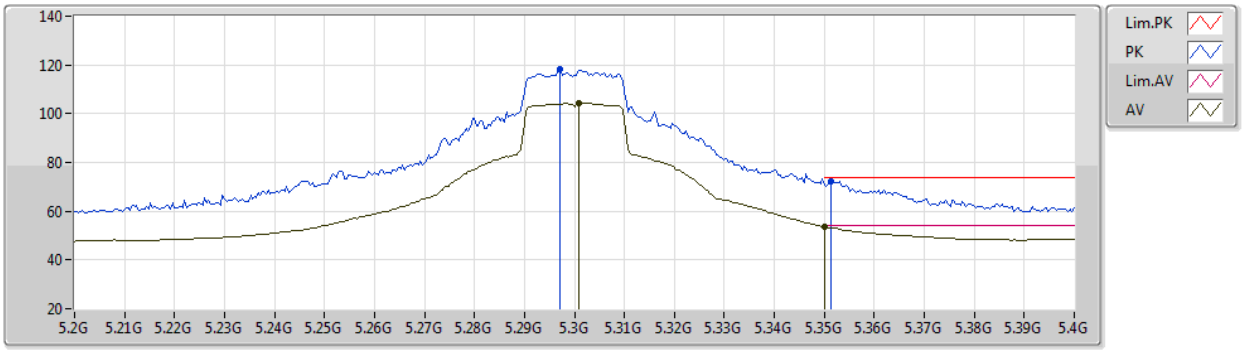
EUT Y_1TX Ant 2
Setting 92
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.77808G	57.12	74.00	-16.88	42.62	3	Horizontal	272	2.85	-	38.04	9.33	32.87
AV	15.77616G	43.00	54.00	-11.00	28.49	3	Horizontal	272	2.85	-	38.05	9.33	32.87

802.11ax HEW20_Nss1,(MCS0)_1TX

5300MHz_TX

25/09/2020



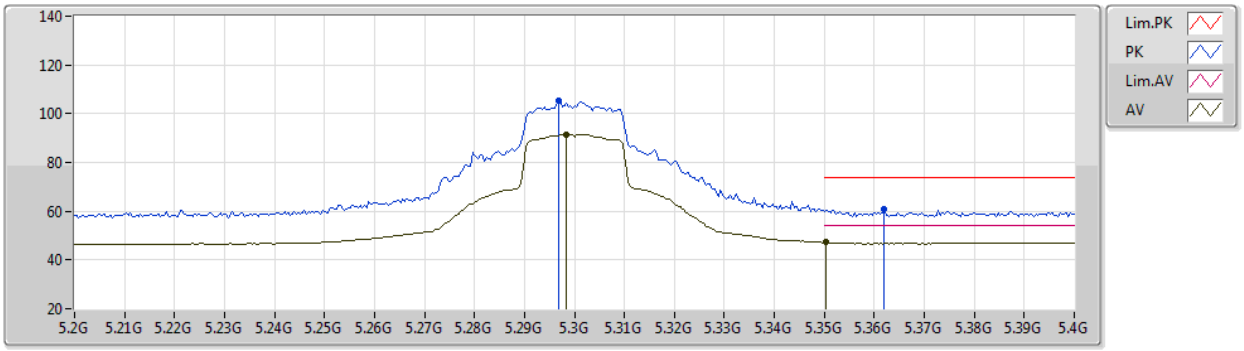
EUT Y_1TX Ant 2
Setting 84
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.2972G	118.32	Inf	-Inf	110.20	3	Vertical	360	1.51	-	33.69	6.05	31.62
AV	5.3008G	104.21	Inf	-Inf	96.08	3	Vertical	360	1.51	-	33.70	6.05	31.62
PK	5.3512G	72.31	74.00	-1.69	64.06	3	Vertical	360	1.51	-	33.75	6.08	31.58
AV	5.35G	53.63	54.00	-0.37	45.38	3	Vertical	360	1.51	-	33.75	6.08	31.58

802.11ax HEW20_Nss1,(MCS0)_1TX

5300MHz_TX

25/09/2020



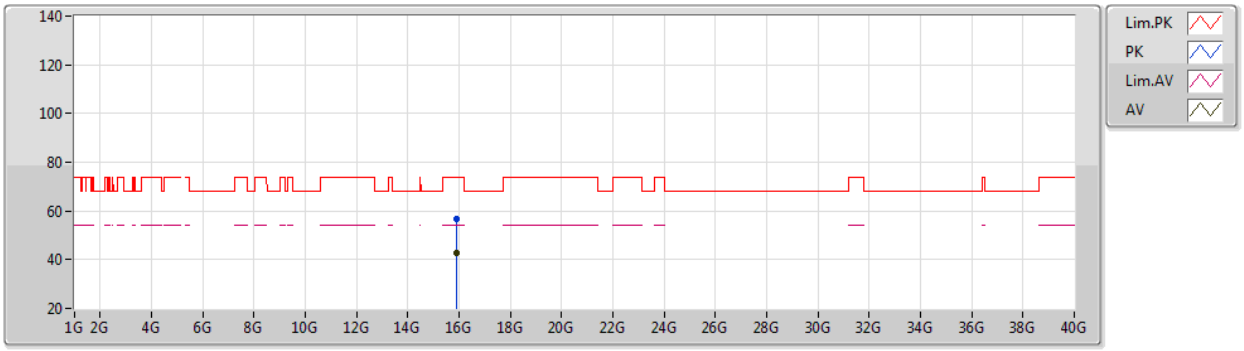
EUT Y_1TX Ant 2
Setting 84
02-E-B-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.2968G	105.46	Inf	-Inf	97.34	3	Horizontal	335	2.00	-	33.69	6.05	31.62
AV	5.2984G	91.60	Inf	-Inf	83.47	3	Horizontal	335	2.00	-	33.70	6.05	31.62
PK	5.362G	60.77	74.00	-13.23	52.51	3	Horizontal	335	2.00	-	33.76	6.08	31.58
AV	5.3504G	47.17	54.00	-6.83	38.92	3	Horizontal	335	2.00	-	33.75	6.08	31.58

802.11ax HEW20_Nss1,(MCS0)_1TX

5300MHz_TX

25/09/2020



EUT Y_1TX Ant 2
Setting 84
02-E-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.90344G	56.69	74.00	-17.31	42.52	3	Vertical	39	1.94	-	37.68	9.37	32.88
AV	15.8957G	42.96	54.00	-11.04	28.76	3	Vertical	39	1.94	-	37.70	9.37	32.87