FCC RADIO TEST REPORT

FCC ID	:	NKR-LVSK-R1
Equipment	:	Router
Brand Name	:	verizon
Model Name	:	LVR1
Applicant	:	Wistron NeWeb Corporation 20 Park Ave. II, Hsinchu Science Park, Hsinchu 308, Taiwan
Manufacturer	:	Wistron NeWeb Corporation 20 Park Ave. II, Hsinchu Science Park, Hsinchu 308, Taiwan
Standard	:	47 CFR FCC Part 15.407

The product was received on May 29, 2019, and testing was started from Jun. 01, 2019 and completed on Jun. 14, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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

Approved by: Sam Chen

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR952921AB	01	Initial issue of report	Jun. 25, 2019

Summary of Test Result

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

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
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
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11ax HEW20	20	4TX
5.15-5.25GHz	802.11ax HEW20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ax HEW40	40	4TX
5.15-5.25GHz	802.11ax HEW40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.15-5.25GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW80-BF	80	4TX
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20-BF	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11ax HEW20-BF	20	4TX
5.725-5.85GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ax HEW40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80-BF	80	4TX

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	WNC	95XKAC15.GCFVZ	Dipole Antenna	I-PEX MHF	Note1
2	2	WNC	95XKAC15.GCEVZ	Dipole Antenna	I-PEX MHF	
3	3	WNC	95XKAC15.GCGVZ	Dipole Antenna	I-PEX MHF	
4	4	WNC	95XKAC15.GCHVZ	Dipole Antenna	I-PEX MHF	
5	1	WNC	95XKAC15.GCKVZ	Dipole Antenna	I-PEX MHF	
6	2	WNC	95XKAC15.GCJVZ	Dipole Antenna	I-PEX MHF	
7	3	WNC	95XKAC15.GCIVZ	Dipole Antenna	I-PEX MHF	
8	4	WNC	95XKAC15.GCLVZ	Dipole Antenna	I-PEX MHF	
9	1	WNC	95XKAC15.GCNVZ	Patch Antenna	I-PEX MHF	
10		WNC	95XKAC15.GCMVZ	Patch Antenna	I-PEX MHF	

Note1:

Directional Gain (dBi)				
Ant.	**Port**	**2.4GHz**	**5G Bnad 1**	**5G Bnad 4**
1	1	5.45	-	6.94
2	2	5.45	-	6.94
3	3	5.45	-	6.94
4	4	5.45	-	6.94
5	1	-	5.88	-
6	2	-	5.88	-
7	3	-	5.88	-
8	4	-	5.88	-

Antenna Gain (dBi)		
Ant.	**Port**	**Bluetooth**
9	1	2.72
10		2.72

Note2:The above information was declared by manufacturer.

For wifi function (4TX/4RX):

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 can could transmit/receive simultaneously.

For bluetooth function (1TX/1RX):

Only Port 1 can be used as receiving/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.939	0.27	1.98m	1k
802.11ac VHT20	0.951	0.22	5.449m	300
802.11ac VHT20-BF	0.942	0.26	6.217m	300
802.11ac VHT40	0.949	0.23	5.435m	300
802.11ac VHT40-BF	0.939	0.27	10.014m	100
802.11ac VHT80	0.948	0.23	5.435m	300
802.11ac VHT80-BF	0.886	0.53	797.101u	3k
802.11ax HEW20	0.95	0.22	5.453m	300
802.11ax HEW20-BF	0.935	0.29	1.761m	1k
802.11ax HEW40	0.963	0.16	5.455m	300
802.11ax HEW40-BF	0.916	0.38	1.761m	1k
802.11ax HEW80	0.966	0.15	5.453m	300
802.11ax HEW80-BF	0.924	0.34	1.685m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming for 802.11ax in 2.4GHz and 802.11ac/ax in 5GHz	☐	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	QSPR : v5.0-00163			

Note: The above information was declared by manufacturer.

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
- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
		TEL :	886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD :	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Eddie Weng	22~24°C / 50~60%	Jun. 04, 2019 ~ Jun. 14, 2019
Radiated	03CH04-CB for below 1GHz	Welson Chen	22~24°C / 55~60%	Jun. 10, 2019
Radiated	03CH04-CB for above 1GHz	Eason Chen	22~24°C / 50~60%	Jun. 01, 2019 ~ Jun. 13, 2019
AC Conduction	CO01-CB	Wei Li	24.3~24.6°C / 59~61%	Jun. 11, 2019

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

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	23
5200MHz	23
5240MHz	24
5745MHz	22.5
5785MHz	22.5
5825MHz	22
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	23
5200MHz	23.5
5240MHz	24
5745MHz	22.5
5785MHz	22.5
5825MHz	22.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	23
5200MHz	23.5
5240MHz	24
5745MHz	22.5
5785MHz	22.5
5825MHz	22.5
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	20
5230MHz	24
5755MHz	22.5
5795MHz	22.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	20
5230MHz	24
5755MHz	22.5
5795MHz	22.5
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	20
5775MHz	22.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	20

Mode	PowerSetting
5775MHz	23
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	28
5200MHz	29
5240MHz	29
5745MHz	29
5785MHz	29
5825MHz	29
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	28
5200MHz	29
5240MHz	29
5745MHz	29
5785MHz	29
5825MHz	29
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	27
5230MHz	29
5755MHz	29
5795MHz	29
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	27
5230MHz	29
5755MHz	29
5795MHz	29
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	26
5775MHz	29
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	26
5775MHz	29

Note:
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- There are two modes of EUT for 802.11ax in 2.4GHz and 802.11ac/ax in 5GHz. One is beamforming mode, and the other is non-beamforming mode. Both modes have been tested and recorded in this test report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link

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	Normal Link
Operating Mode > 1GHz	CTX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz + WLAN 5GHz Band 4
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz Band 1 + WLAN 5GHz Band 4 + Bluetooth
Refer to Sporton Test Report No.: FA952921 for Co-location RF Exposure Evaluation.	

Note: The EUT only use in Z axis.

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

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

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	LUCENT TRANS	1A95-US1223	INPUT: 100-240V, 1A, 50-60Hz OUTPUT: 19V, 2.37A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	1Gbps NB	DELL	E6430	N/A
B	WAN PC	DELL	T3400	N/A
C	2.5Gbps PC	DELL	T3400	N/A
D	Device	verizon	LVR1	NKR-LVSK-R1
E	Smart phone	Samsung	Galaxy J2	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PC	DELL	OPTIPLEX 3010	N/A
B	PC	DELL	OPTIPLEX 3010	N/A
C	Device	verizon	LVR1	NKR-LVSK-R1
D	Phone	Samsung	SM-J200Y	N/A
E	NB	DELL	E4300	N/A

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

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

For beamforming mode:

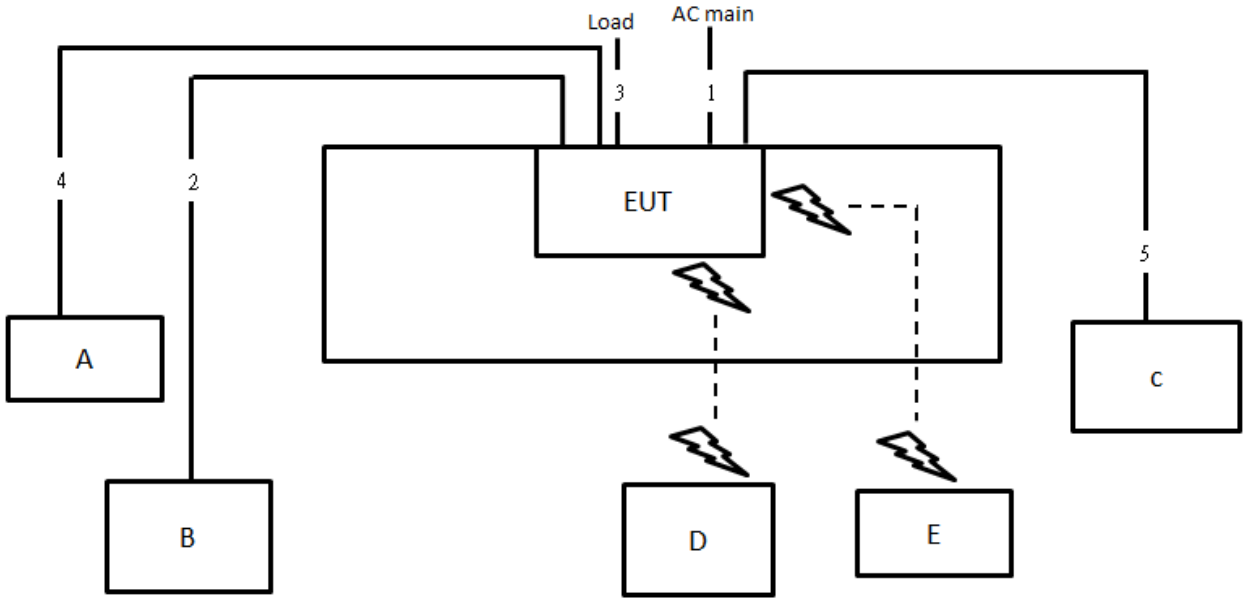
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	Device	verizon	LVR1	NKR-LVSK-R1
C	NB	DELL	E4300	N/A

For RF Conducted:

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

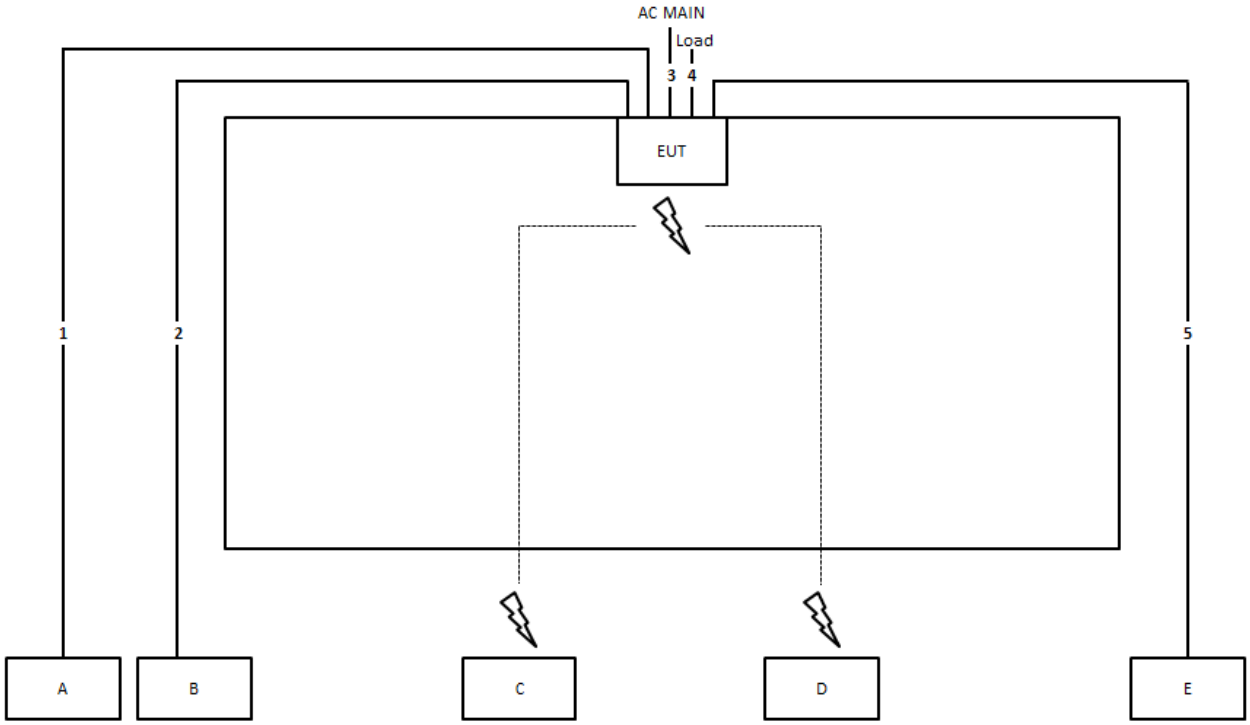
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



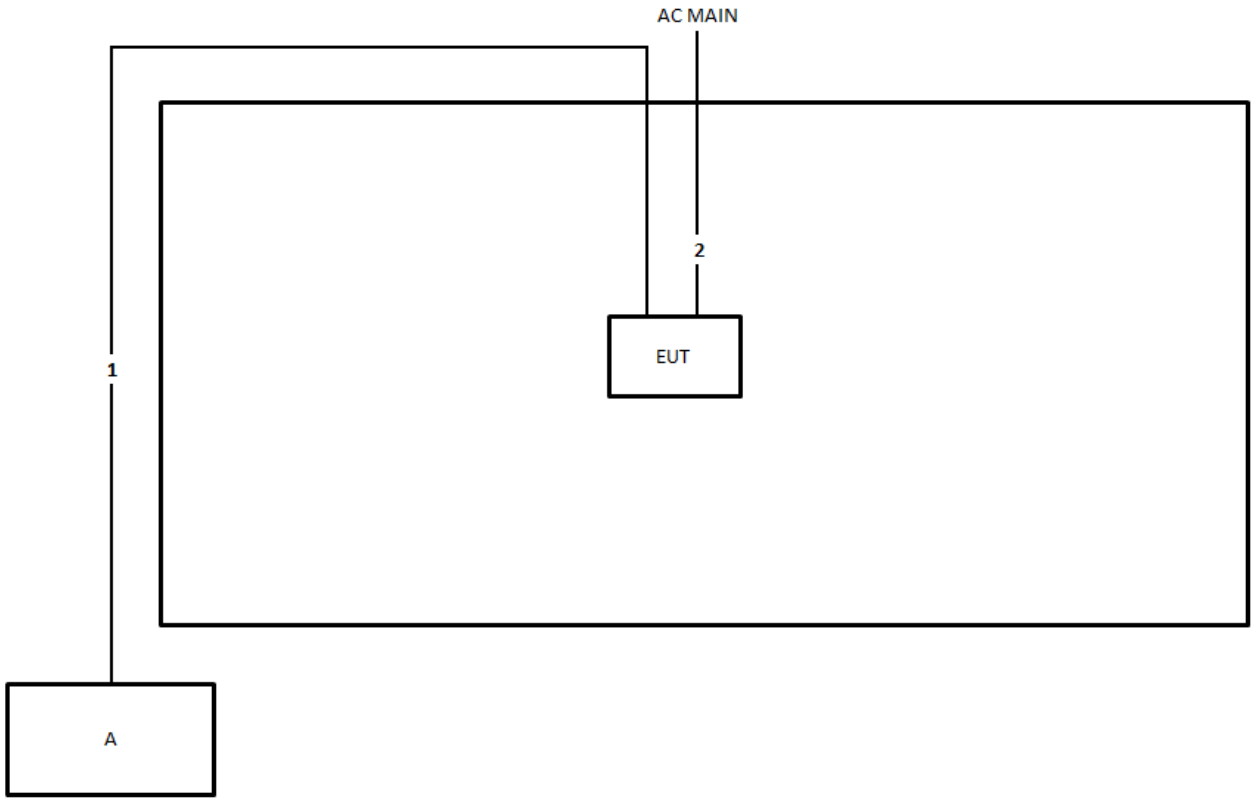
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



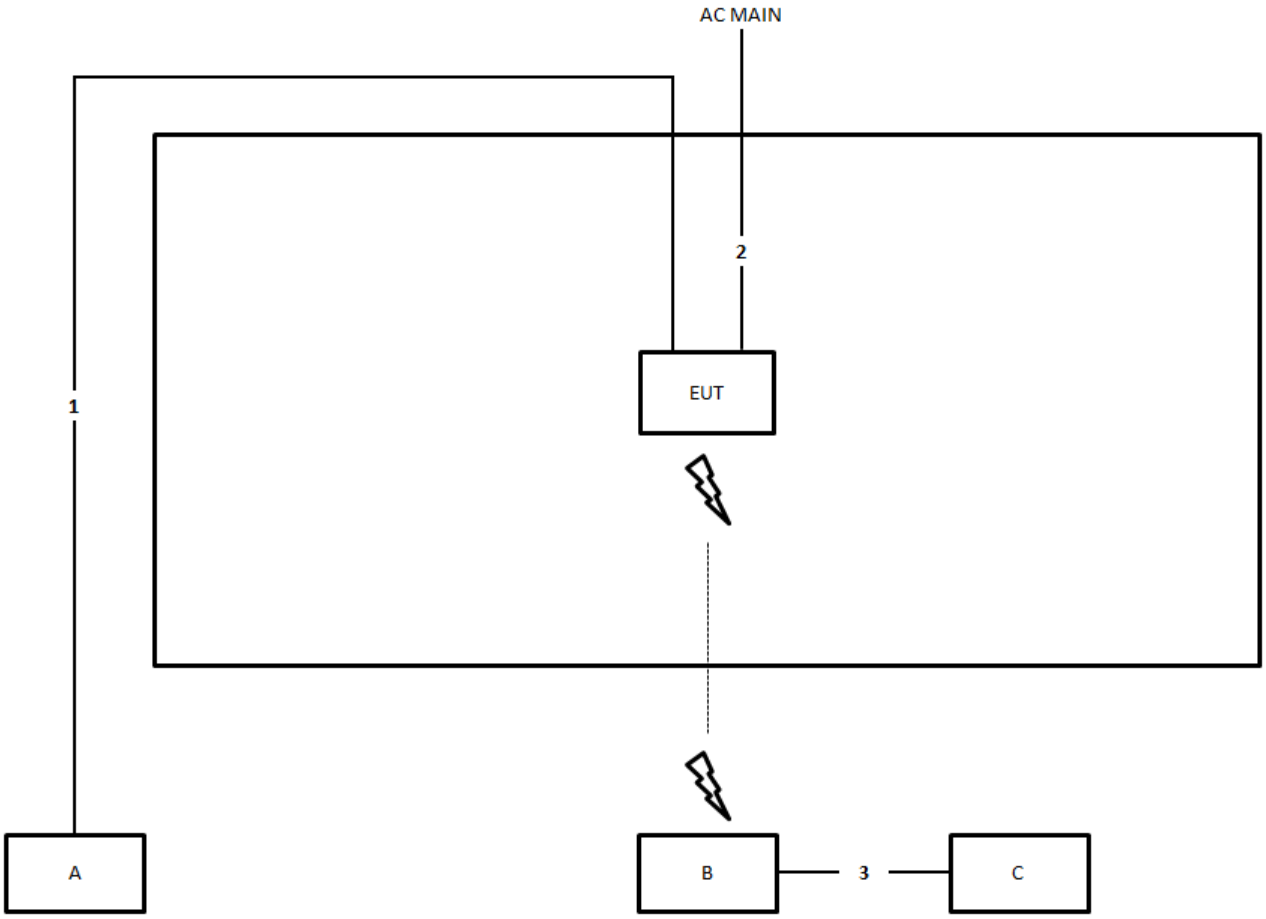
Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	10m
3	Power cable	No	1.5m
4	RJ-45 cable	No	1m
5	RJ-45 cable	No	10m

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



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

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



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

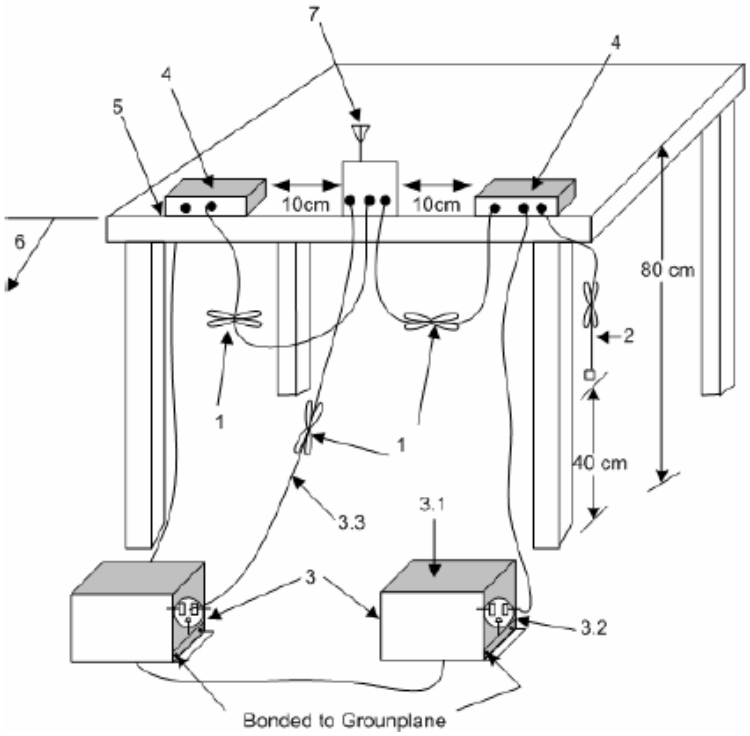
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

3.2.2 Measuring Instruments

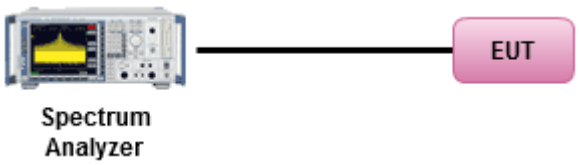
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☐	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
	▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for 0° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

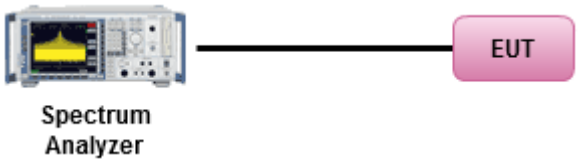
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
☒ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

3.5.2 Measuring Instruments

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

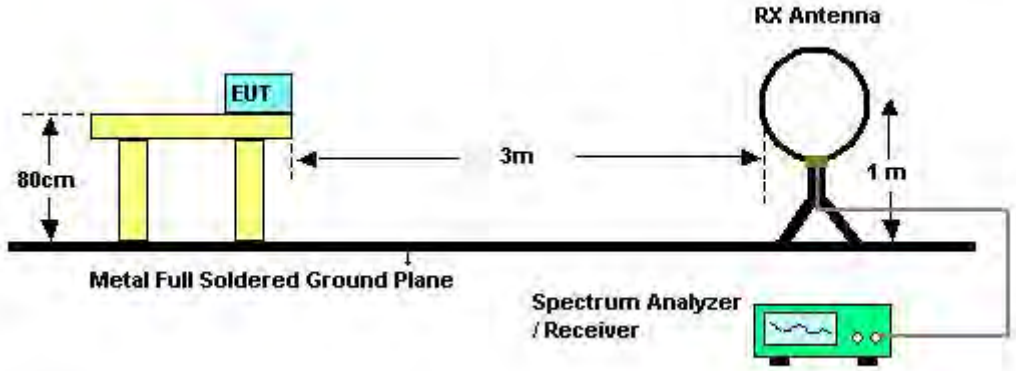
3.5.3 Test Procedures

Test Method			
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.		
	▪ Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.		
		☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).	
		☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).	
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.	
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.	
		☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.	
		☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.	
▪ For radiated measurement.			
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.		
▪ The any unwanted emissions level shall not exceed the fundamental emission level.			
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.			

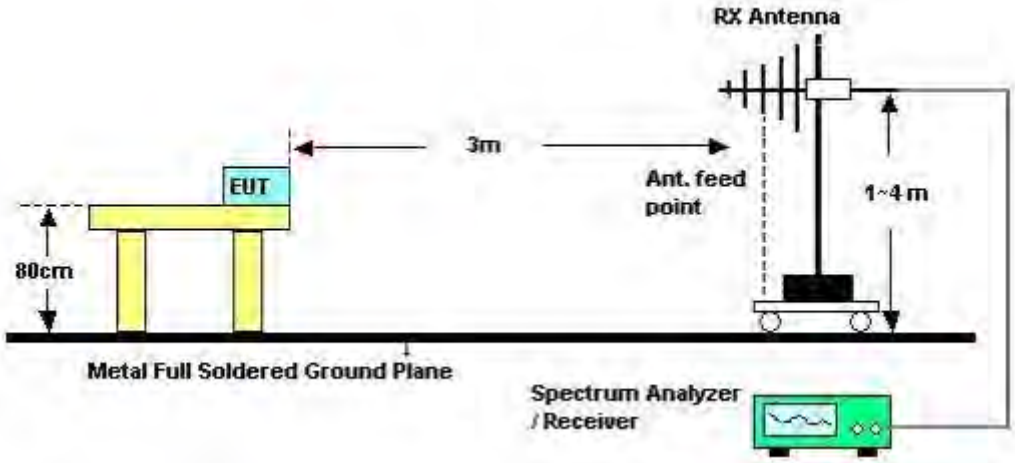
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

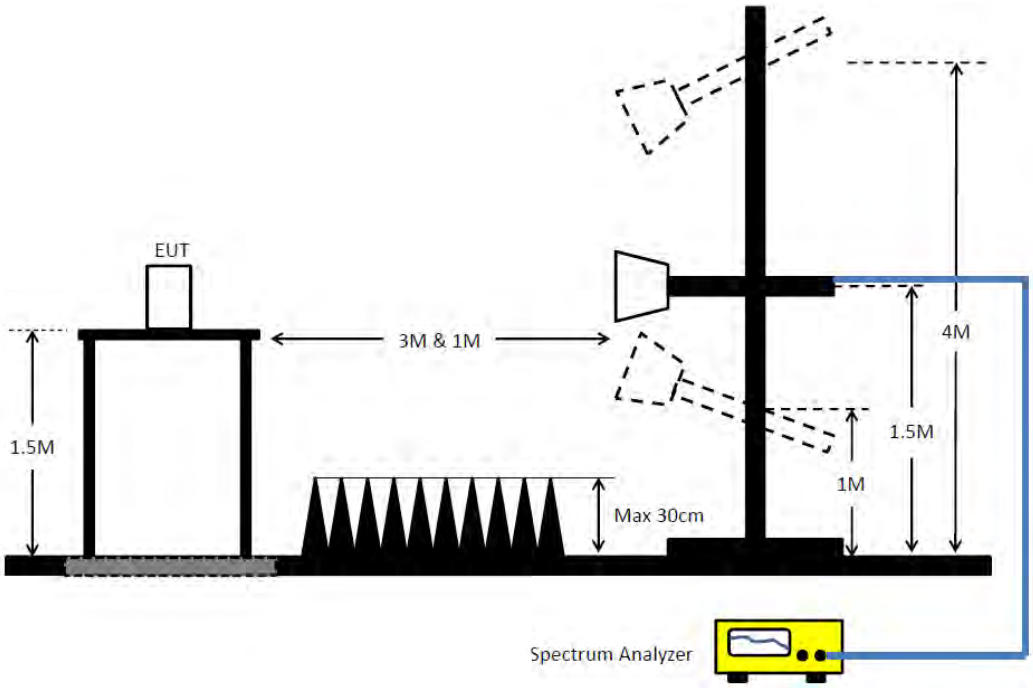
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

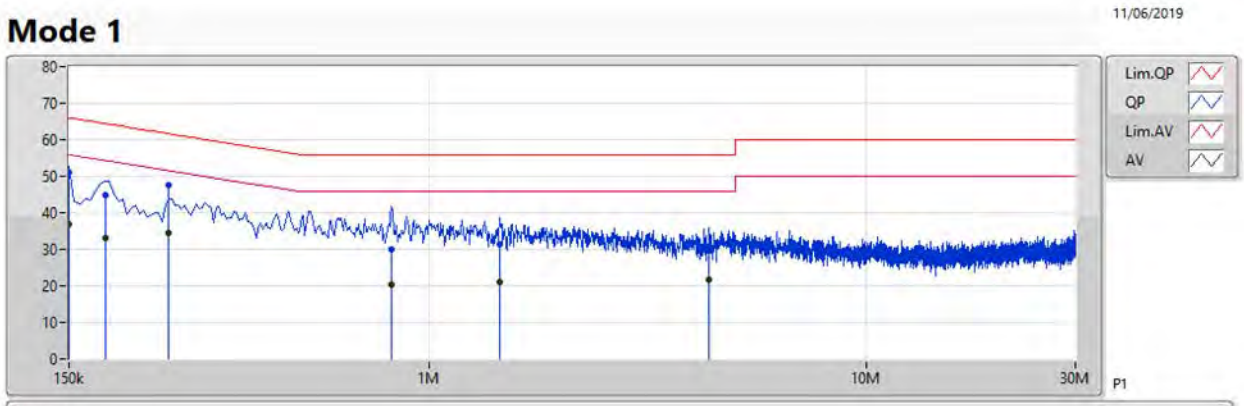
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 28, 2019	Jan. 29, 2020	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz~100MHz	Dec. 24, 2018	Dec. 23, 2019	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Jan. 11, 2019	Jan. 10, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & Woken	CBL6112B & N-6-06	22021&AT-N0607	30MHz ~ 1GHz	Oct. 12, 2018	Oct. 11, 2019	Radiation (03CH04-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 26, 2018	Oct. 25, 2019	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	310N	187291	0.1MHz ~ 1GHz	Mar. 19, 2019	Mar. 18, 2020	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz~26.5GHz	Mar. 19, 2019	Mar. 18, 2020	Radiation (03CH04-CB)
Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 26, 2018	Dec. 25, 2019	Radiation (03CH04-CB
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+22	30MHz – 1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)

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

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

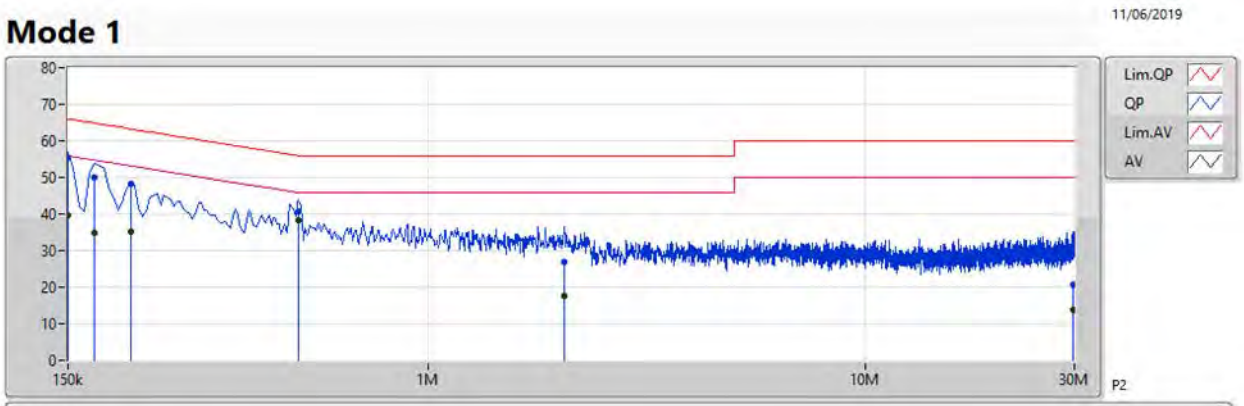
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	51.04	66.00	-14.96	9.90	Line	-	41.14	0.05	0.06	9.79
AV	150k	36.95	56.00	-19.05	9.90	Line	-	27.05	0.05	0.06	9.79
QP	181.5k	44.89	64.41	-19.52	9.91	Line	-	34.98	0.06	0.06	9.79
AV	181.5k	33.10	54.41	-21.31	9.91	Line	-	23.19	0.06	0.06	9.79
QP	253.5k	47.67	61.64	-13.97	9.92	Line	"Worst"	37.75	0.06	0.06	9.80
AV	253.5k	34.48	51.64	-17.16	9.92	Line	-	24.56	0.06	0.06	9.80
QP	820.5k	29.84	56.00	-26.16	9.97	Line	-	19.87	0.07	0.08	9.82
AV	820.5k	20.44	46.00	-25.56	9.97	Line	-	10.47	0.07	0.08	9.82
QP	1.446M	31.52	56.00	-24.48	10.02	Line	-	21.50	0.08	0.11	9.83
AV	1.446M	21.09	46.00	-24.91	10.02	Line	-	11.07	0.08	0.11	9.83
QP	4.362M	29.65	56.00	-26.35	10.13	Line	-	19.52	0.13	0.18	9.82
AV	4.362M	21.87	46.00	-24.13	10.13	Line	-	11.74	0.13	0.18	9.82

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

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	55.58	66.00	-10.42	9.89	Neutral	-	45.69	0.04	0.06	9.79
AV	150k	39.78	56.00	-16.22	9.89	Neutral	-	29.89	0.04	0.06	9.79
QP	172.5k	49.96	64.83	-14.87	9.89	Neutral	-	40.07	0.04	0.06	9.79
AV	172.5k	34.97	54.83	-19.86	9.89	Neutral	-	25.08	0.04	0.06	9.79
QP	208.5k	48.20	63.27	-15.07	9.89	Neutral	-	38.31	0.04	0.06	9.79
AV	208.5k	35.26	53.27	-18.01	9.89	Neutral	-	25.37	0.04	0.06	9.79
QP	505.5k	40.68	56.00	-15.32	9.93	Neutral	-	30.75	0.05	0.07	9.81
AV	505.5k	38.38	46.00	-7.62	9.93	Neutral	"Worst"	28.45	0.05	0.07	9.81
QP	2.04M	26.81	56.00	-29.19	10.02	Neutral	-	16.79	0.07	0.12	9.83
AV	2.04M	17.71	46.00	-28.29	10.02	Neutral	-	7.69	0.07	0.12	9.83
QP	29.837M	20.78	60.00	-39.22	10.74	Neutral	-	10.04	0.38	0.31	10.05
AV	29.837M	13.92	50.00	-36.08	10.74	Neutral	-	3.18	0.38	0.31	10.05

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.61M	16.432M	16M4D1D	19.05M	16.342M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.42M	17.631M	17M6D1D	20.67M	17.571M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.87M	18.951M	19M0D1D	21.06M	18.861M
802.11ac VHT40_Nss1,(MCS0)_4TX	41.94M	36.162M	36M2D1D	40.26M	36.042M
802.11ax HEW40_Nss1,(MCS0)_4TX	42.78M	37.781M	37M8D1D	40.86M	37.601M
802.11ac VHT80_Nss1,(MCS0)_4TX	82.68M	75.562M	75M6D1D	81.6M	75.322M
802.11ax HEW80_Nss1,(MCS0)_4TX	83.16M	77.361M	77M4D1D	82.32M	77.001M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.06M	17.631M	17M6D1D	19.98M	17.541M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.67M	19.04M	19M0D1D	21M	18.861M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.62M	36.162M	36M2D1D	39.42M	35.982M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	41.94M	37.781M	37M8D1D	40.5M	37.661M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	81.36M	76.042M	76M0D1D	79.8M	75.322M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.72M	77.241M	77M2D1D	81.12M	76.882M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.32M	16.432M	16M4D1D	16.29M	16.342M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.55M	17.631M	17M6D1D	16.83M	17.571M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.96M	18.951M	19M0D1D	18.63M	18.861M
802.11ac VHT40_Nss1,(MCS0)_4TX	35.88M	36.162M	36M2D1D	34.44M	36.042M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.98M	37.781M	37M8D1D	37.5M	37.661M
802.11ac VHT80_Nss1,(MCS0)_4TX	75.48M	75.562M	75M6D1D	71.16M	75.322M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.76M	77.121M	77M1D1D	75.12M	76.762M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	18.72M	18.921M	18M9D1D	14.97M	17.601M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.81M	19.07M	19M1D1D	5.43M	17.631M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	36.12M	36.282M	36M3D1D	32.46M	36.102M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.68M	37.901M	37M9D1D	32.52M	37.721M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	75.12M	75.682M	75M7D1D	72.48M	75.562M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	72.48M	77.481M	77M5D1D	35.28M	77.001M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.98M	16.432M	19.59M	16.372M	19.05M	16.402M	19.56M	16.402M
5200MHz	Pass	Inf	20.52M	16.402M	19.68M	16.372M	19.35M	16.342M	20.43M	16.432M
5240MHz	Pass	Inf	20.49M	16.402M	20.28M	16.372M	19.62M	16.372M	20.61M	16.402M
5745MHz	Pass	500k	16.29M	16.372M	16.29M	16.432M	16.29M	16.372M	16.32M	16.402M
5785MHz	Pass	500k	16.32M	16.372M	16.29M	16.372M	16.32M	16.342M	16.29M	16.372M
5825MHz	Pass	500k	16.29M	16.372M	16.32M	16.402M	16.32M	16.372M	16.32M	16.372M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.79M	17.601M	20.67M	17.571M	21.06M	17.571M	20.82M	17.601M
5200MHz	Pass	Inf	21M	17.601M	21.36M	17.631M	21.18M	17.601M	20.97M	17.601M
5240MHz	Pass	Inf	20.94M	17.631M	21.42M	17.601M	21.18M	17.631M	21.42M	17.631M
5745MHz	Pass	500k	16.89M	17.571M	17.28M	17.571M	17.52M	17.571M	17.55M	17.571M
5785MHz	Pass	500k	16.83M	17.571M	17.16M	17.571M	17.52M	17.571M	17.52M	17.571M
5825MHz	Pass	500k	17.19M	17.571M	17.55M	17.631M	17.28M	17.601M	17.55M	17.601M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.27M	18.921M	21.18M	18.861M	21.06M	18.921M	21.48M	18.891M
5200MHz	Pass	Inf	21.87M	18.921M	21.12M	18.891M	21.42M	18.921M	21.27M	18.921M
5240MHz	Pass	Inf	21.63M	18.951M	21.36M	18.951M	21.81M	18.921M	21.66M	18.951M
5745MHz	Pass	500k	18.78M	18.951M	18.9M	18.951M	18.87M	18.921M	18.84M	18.951M
5785MHz	Pass	500k	18.96M	18.921M	18.81M	18.921M	18.69M	18.921M	18.78M	18.921M
5825MHz	Pass	500k	18.63M	18.861M	18.78M	18.921M	18.9M	18.951M	18.75M	18.921M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.62M	36.042M	40.5M	36.102M	40.32M	36.042M	40.26M	36.102M
5230MHz	Pass	Inf	41.88M	36.102M	41.94M	36.102M	40.74M	36.042M	40.74M	36.162M
5755MHz	Pass	500k	35.52M	36.042M	34.44M	36.042M	35.88M	36.162M	35.88M	36.102M
5795MHz	Pass	500k	35.7M	36.102M	35.88M	36.102M	35.28M	36.102M	34.8M	36.042M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.86M	37.781M	40.92M	37.601M	40.92M	37.781M	41.1M	37.721M
5230MHz	Pass	Inf	42.54M	37.781M	42.78M	37.781M	41.28M	37.721M	41.34M	37.721M
5755MHz	Pass	500k	37.98M	37.721M	37.5M	37.721M	37.74M	37.721M	37.8M	37.781M
5795MHz	Pass	500k	37.86M	37.661M	37.56M	37.721M	37.86M	37.721M	37.68M	37.721M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.68M	75.322M	81.96M	75.442M	81.96M	75.562M	81.6M	75.562M
5775MHz	Pass	500k	75.48M	75.442M	73.8M	75.322M	71.16M	75.562M	75M	75.442M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.32M	77.001M	82.8M	77.121M	83.16M	77.361M	82.56M	77.121M
5775MHz	Pass	500k	77.28M	77.001M	75.12M	76.762M	77.76M	77.121M	75.84M	77.121M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.55M	17.601M	21.06M	17.601M	19.98M	17.571M	20.97M	17.601M
5200MHz	Pass	Inf	21.06M	17.601M	20.37M	17.601M	21.03M	17.601M	20.49M	17.541M
5240MHz	Pass	Inf	20.88M	17.601M	20.7M	17.571M	20.1M	17.631M	21.06M	17.601M
5745MHz	Pass	500k	16.95M	17.691M	17.34M	17.661M	17.22M	17.601M	16.68M	17.661M
5785MHz	Pass	500k	18.72M	18.921M	15.03M	18.891M	14.97M	18.891M	18.6M	18.891M
5825MHz	Pass	500k	16.92M	17.721M	17.22M	17.661M	16.83M	17.691M	17.25M	17.631M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	25.32M	18.951M	21.51M	18.861M	21.3M	18.921M	26.55M	18.921M
5200MHz	Pass	Inf	25.92M	18.981M	24.57M	18.891M	22.2M	18.891M	21.39M	18.951M
5240MHz	Pass	Inf	29.67M	18.981M	22.83M	18.891M	21M	19.04M	23.55M	18.921M
5745MHz	Pass	500k	18.57M	18.951M	18.66M	18.951M	18.54M	19.07M	18.51M	18.921M
5785MHz	Pass	500k	18.81M	18.951M	5.43M	18.891M	13.8M	18.951M	13.77M	18.951M
5825MHz	Pass	500k	16.71M	17.661M	17.25M	17.661M	17.1M	17.721M	17.52M	17.631M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.02M	36.102M	39.96M	35.982M	39.42M	36.042M	40.44M	35.982M
5230MHz	Pass	Inf	39.72M	36.042M	40.62M	36.162M	39.9M	36.102M	39.96M	36.162M
5755MHz	Pass	500k	34.44M	36.102M	32.46M	36.162M	33.9M	36.162M	35.7M	36.162M
5795MHz	Pass	500k	36.12M	36.282M	34.14M	36.282M	35.4M	36.222M	36.12M	36.282M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.1M	37.721M	40.74M	37.661M	41.94M	37.721M	40.86M	37.661M
5230MHz	Pass	Inf	40.86M	37.721M	41.64M	37.781M	40.5M	37.661M	40.56M	37.661M
5755MHz	Pass	500k	36.48M	37.721M	35.46M	37.841M	35.1M	37.721M	33.78M	37.781M
5795MHz	Pass	500k	32.52M	37.901M	35.28M	37.901M	34.86M	37.781M	37.68M	37.901M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80.64M	75.322M	79.8M	75.442M	80.28M	76.042M	81.36M	75.442M
5775MHz	Pass	500k	72.48M	75.682M	72.48M	75.682M	73.8M	75.562M	75.12M	75.682M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.72M	77.121M	81.72M	76.882M	81.12M	77.001M	81.24M	77.241M
5775MHz	Pass	500k	69.12M	77.481M	70.08M	77.001M	35.28M	77.361M	72.48M	77.481M

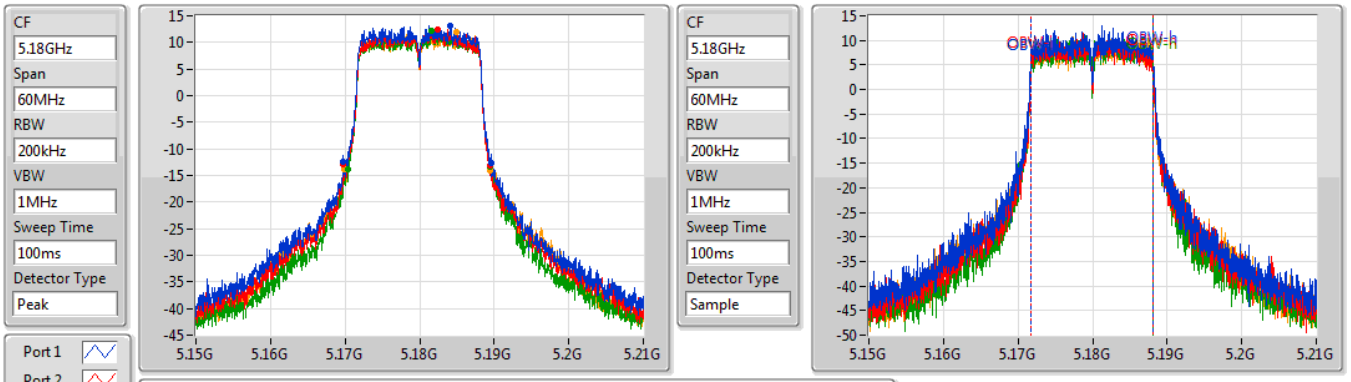
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5180MHz

14/06/2019



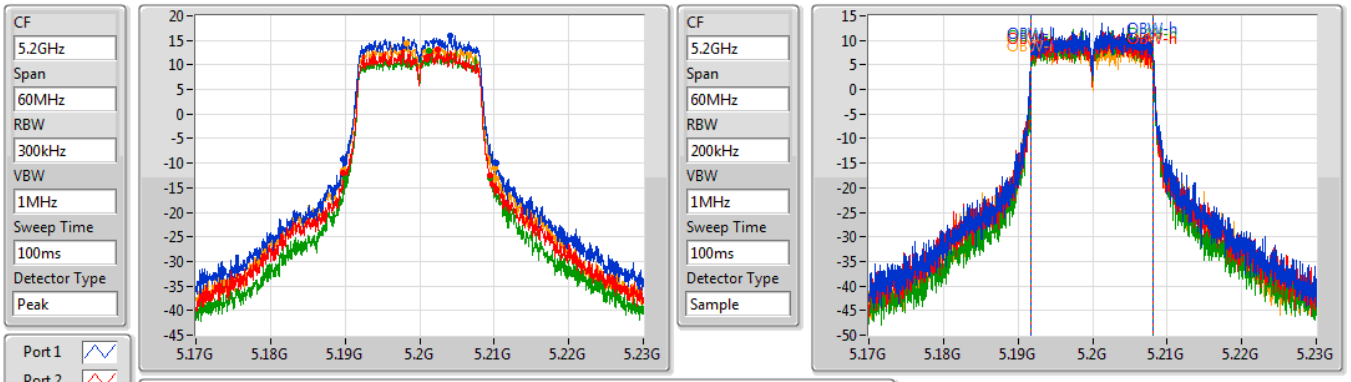
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.98M	5.16968G	5.18966G	16.432M	5.171724G	5.188156G	Inf	1
19.59M	5.1698G	5.18939G	16.372M	5.171754G	5.188126G	Inf	2
19.05M	5.17034G	5.18939G	16.402M	5.171754G	5.188156G	Inf	3
19.56M	5.16989G	5.18945G	16.402M	5.171754G	5.188156G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5200MHz

14/06/2019



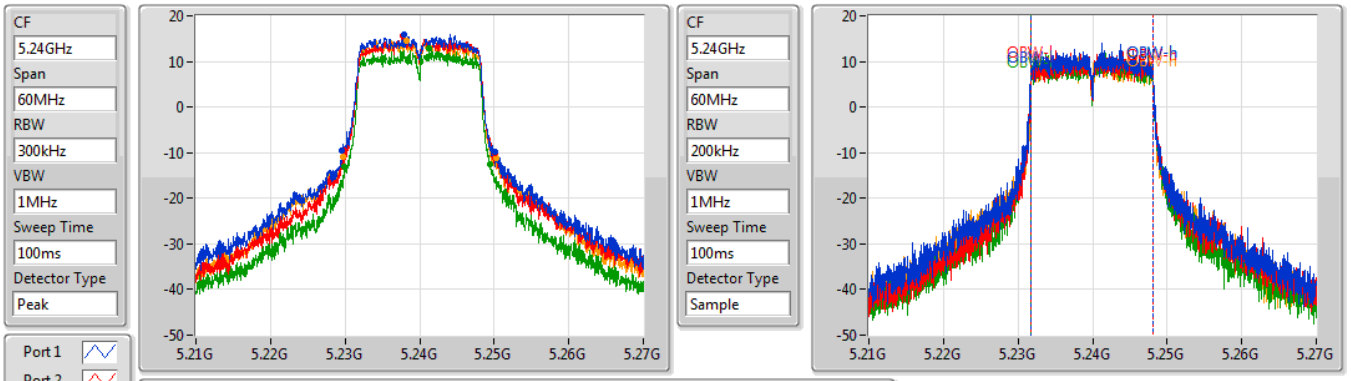
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.52M	5.18968G	5.2102G	16.402M	5.191754G	5.208156G	Inf	1
19.68M	5.18971G	5.20939G	16.372M	5.191754G	5.208126G	Inf	2
19.35M	5.19001G	5.20936G	16.342M	5.191784G	5.208126G	Inf	3
20.43M	5.18971G	5.21014G	16.432M	5.191724G	5.208156G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

14/06/2019



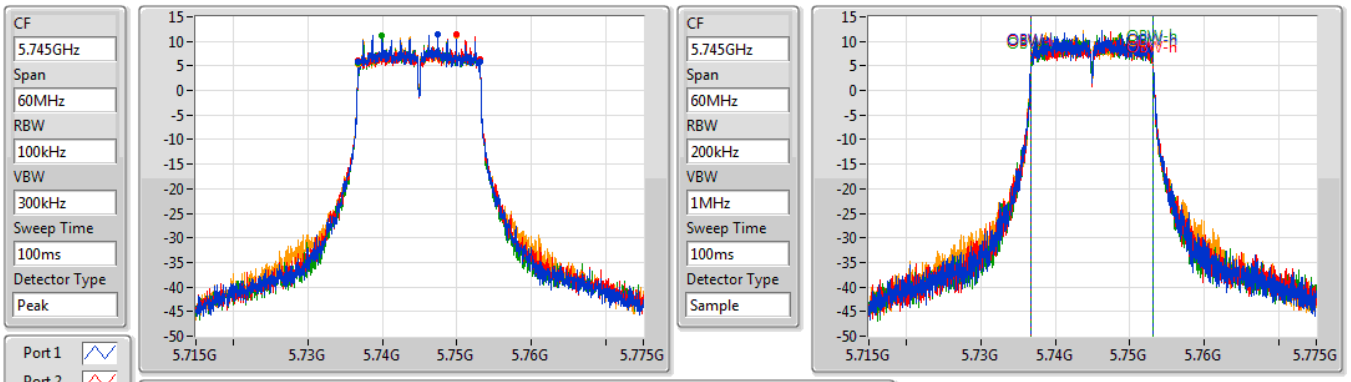
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.49M	5.22962G	5.25011G	16.402M	5.231724G	5.248126G	Inf	1
20.28M	5.22986G	5.25014G	16.372M	5.231784G	5.248156G	Inf	2
19.62M	5.22989G	5.24951G	16.372M	5.231754G	5.248126G	Inf	3
20.61M	5.22965G	5.25026G	16.402M	5.231754G	5.248156G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

05/06/2019



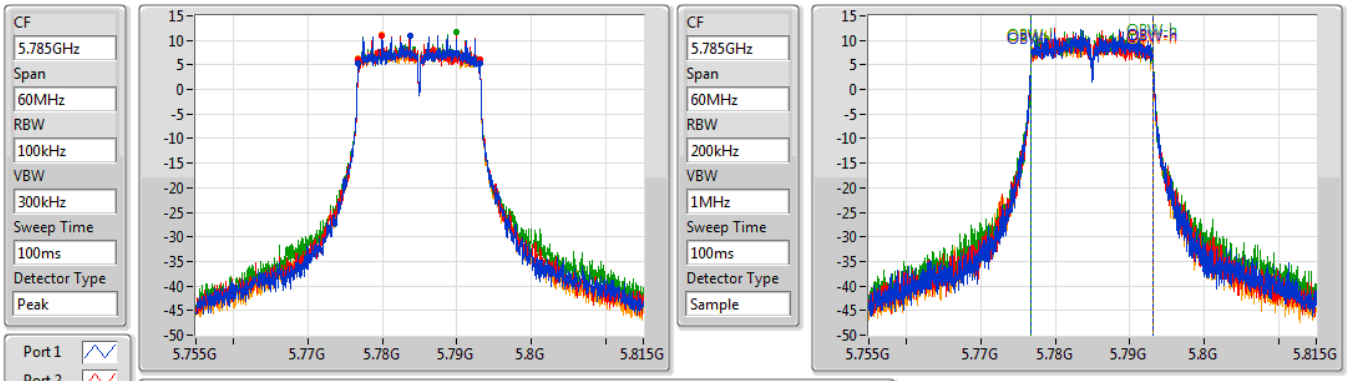
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.73681G	5.7531G	16.372M	5.736754G	5.753126G	500k	1
16.29M	5.73681G	5.7531G	16.432M	5.736724G	5.753156G	500k	2
16.29M	5.73681G	5.7531G	16.372M	5.736754G	5.753126G	500k	3
16.32M	5.73678G	5.7531G	16.402M	5.736724G	5.753126G	500k	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

05/06/2019



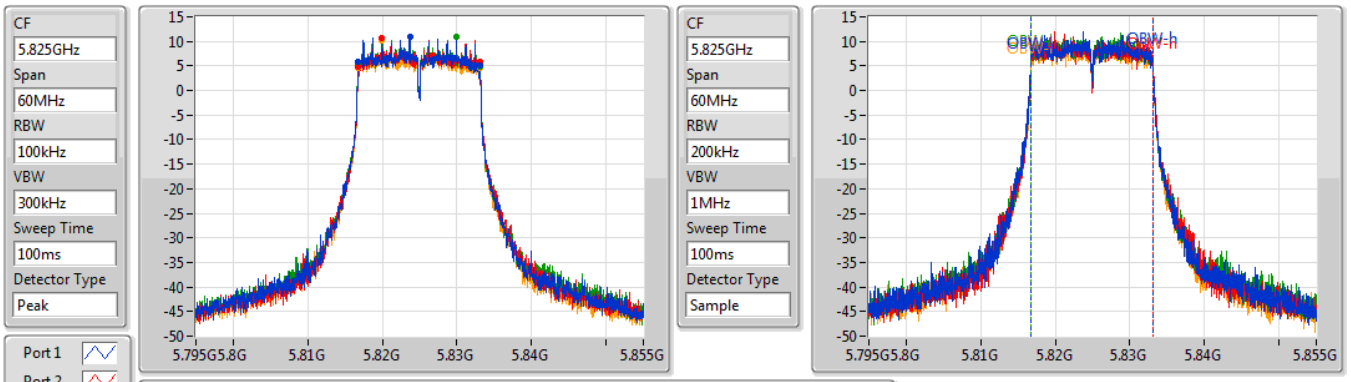
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.77678G	5.7931G	16.372M	5.776724G	5.793096G	500k	1
16.29M	5.77681G	5.7931G	16.372M	5.776754G	5.793126G	500k	2
16.32M	5.77678G	5.7931G	16.342M	5.776754G	5.793096G	500k	3
16.29M	5.77681G	5.7931G	16.372M	5.776754G	5.793126G	500k	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

05/06/2019



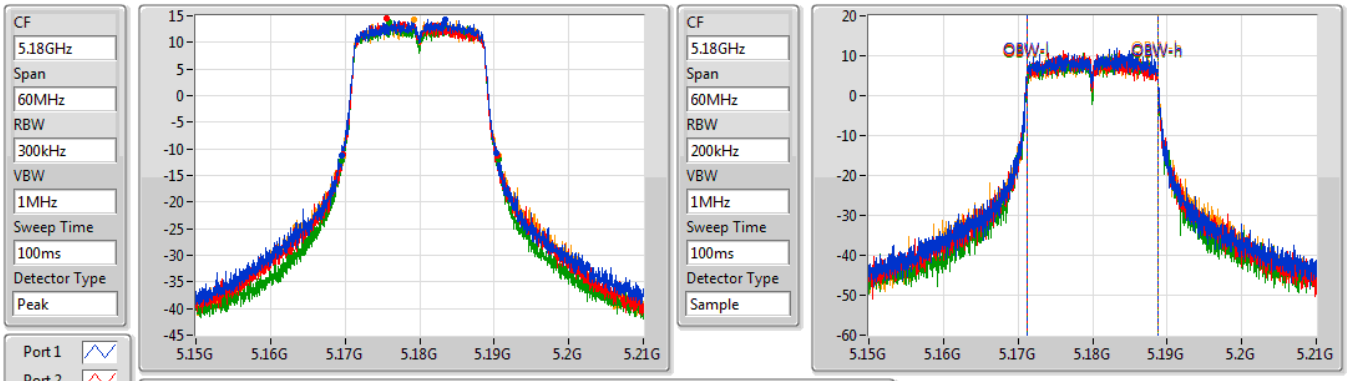
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.81681G	5.8331G	16.372M	5.816724G	5.833096G	500k	1
16.32M	5.81678G	5.8331G	16.402M	5.816724G	5.833126G	500k	2
16.32M	5.81678G	5.8331G	16.372M	5.816724G	5.833096G	500k	3
16.32M	5.81678G	5.8331G	16.372M	5.816724G	5.833096G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5180MHz

14/06/2019



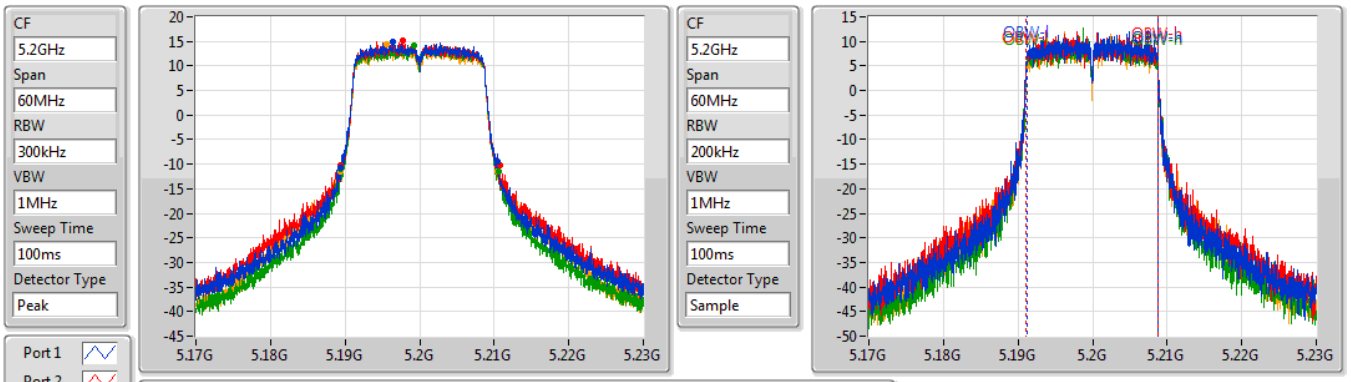
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.79M	5.16956G	5.19035G	17.601M	5.171154G	5.188756G	Inf	1
20.67M	5.16974G	5.19041G	17.571M	5.171154G	5.188726G	Inf	2
21.06M	5.16956G	5.19062G	17.571M	5.171184G	5.188756G	Inf	3
20.82M	5.16971G	5.19053G	17.601M	5.171154G	5.188756G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5200MHz

14/06/2019



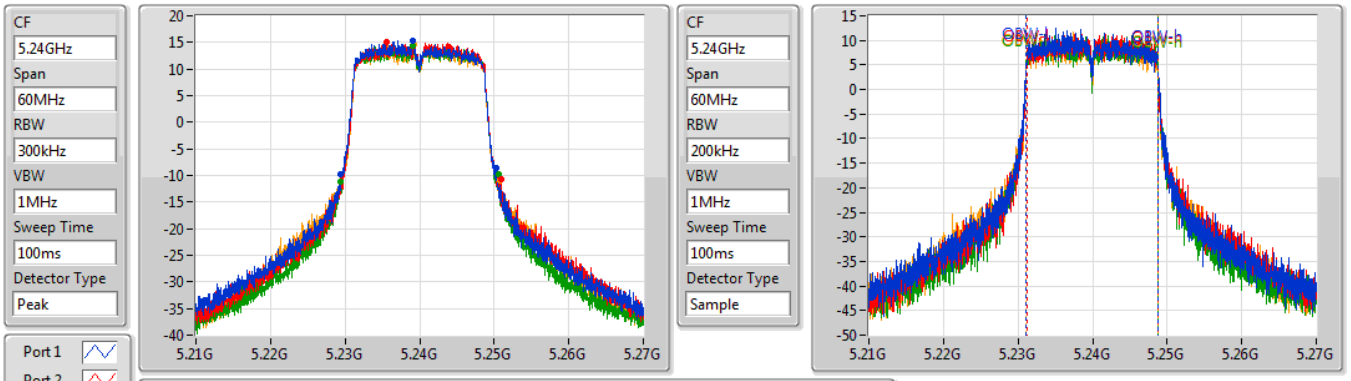
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21M	5.18944G	5.21044G	17.601M	5.191154G	5.208756G	Inf	1
21.36M	5.18935G	5.21071G	17.631M	5.191124G	5.208756G	Inf	2
21.18M	5.18947G	5.21065G	17.601M	5.191154G	5.208756G	Inf	3
20.97M	5.18947G	5.21044G	17.601M	5.191154G	5.208756G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5240MHz

14/06/2019



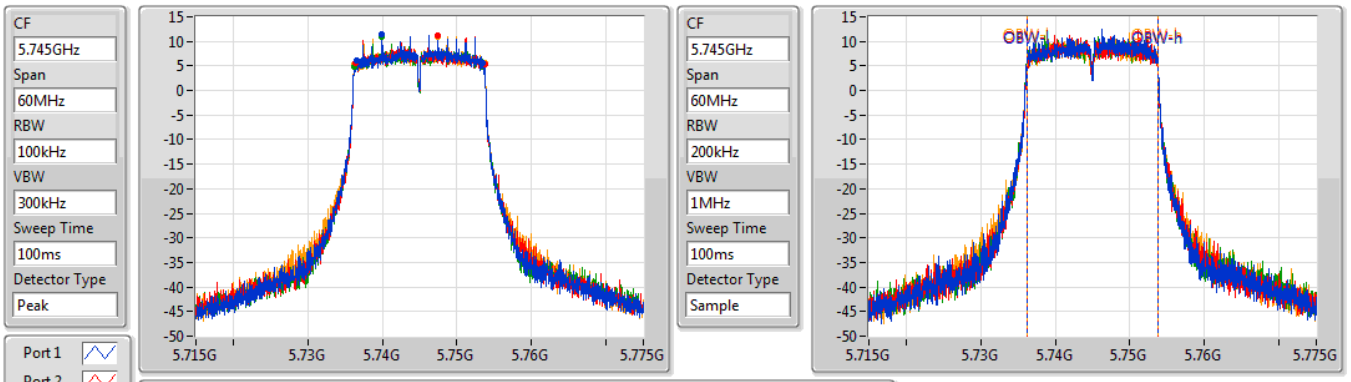
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.94M	5.22941G	5.25035G	17.631M	5.231124G	5.248756G	Inf	1
21.42M	5.22956G	5.25098G	17.601M	5.231154G	5.248756G	Inf	2
21.18M	5.22941G	5.25059G	17.631M	5.231124G	5.248756G	Inf	3
21.42M	5.22941G	5.25083G	17.631M	5.231124G	5.248756G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5745MHz

05/06/2019



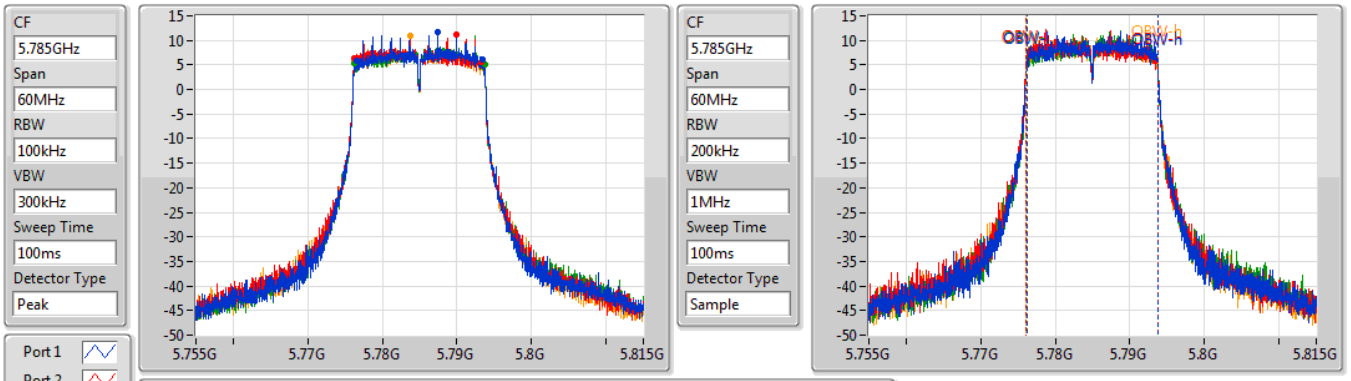
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.89M	5.73657G	5.75346G	17.571M	5.736154G	5.753726G	500k	1
17.28M	5.73642G	5.7537G	17.571M	5.736154G	5.753726G	500k	2
17.52M	5.73618G	5.7537G	17.571M	5.736154G	5.753726G	500k	3
17.55M	5.73618G	5.75373G	17.571M	5.736154G	5.753726G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5785MHz

05/06/2019



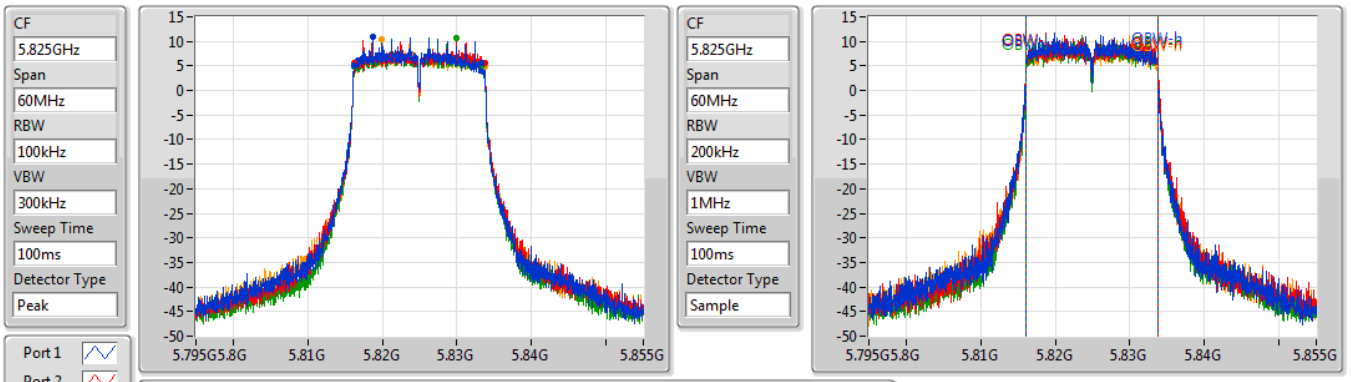
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.83M	5.77654G	5.79337G	17.571M	5.776154G	5.793726G	500k	1
17.16M	5.77618G	5.79334G	17.571M	5.776124G	5.793696G	500k	2
17.52M	5.77621G	5.79373G	17.571M	5.776154G	5.793726G	500k	3
17.52M	5.77618G	5.7937G	17.571M	5.776124G	5.793696G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5825MHz

05/06/2019



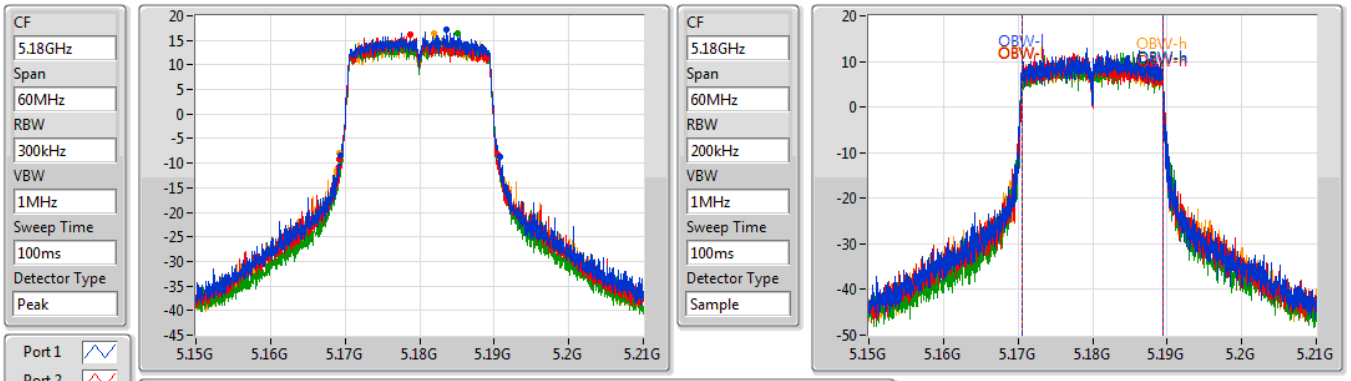
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.19M	5.81615G	5.83334G	17.571M	5.816124G	5.833696G	500k	1
17.55M	5.81618G	5.83373G	17.631M	5.816124G	5.833756G	500k	2
17.28M	5.81618G	5.83346G	17.601M	5.816124G	5.833726G	500k	3
17.55M	5.81618G	5.83373G	17.601M	5.816124G	5.833726G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5180MHz

14/06/2019



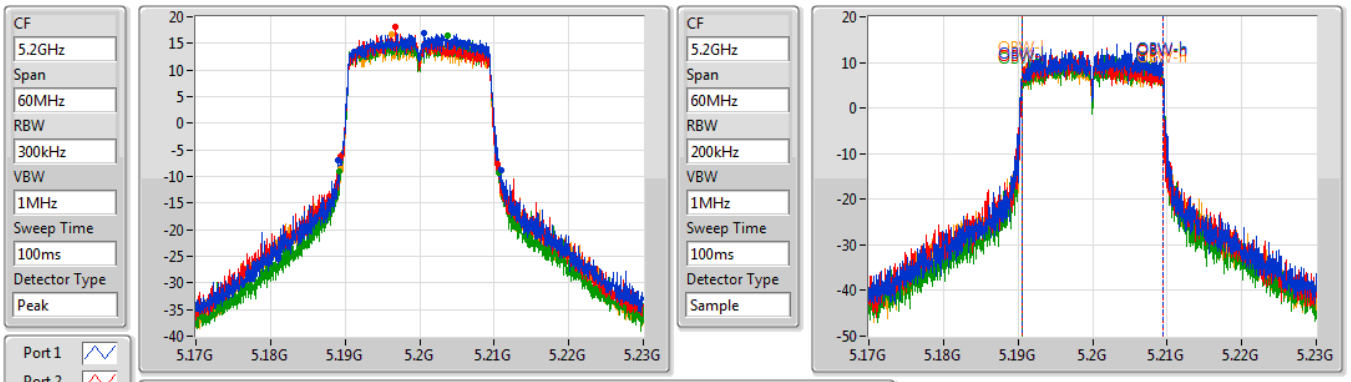
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.16944G	5.19071G	18.921M	5.170495G	5.189415G	Inf	1
21.18M	5.16929G	5.19047G	18.861M	5.170525G	5.189385G	Inf	2
21.06M	5.16944G	5.1905G	18.921M	5.170495G	5.189415G	Inf	3
21.48M	5.16917G	5.19065G	18.891M	5.170495G	5.189385G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5200MHz

14/06/2019

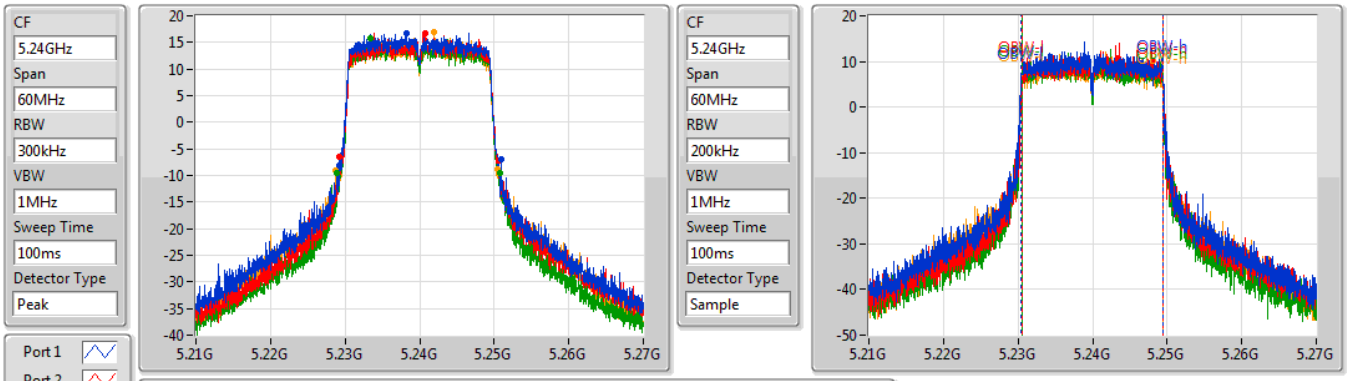


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.87M	5.18902G	5.21089G	18.921M	5.190525G	5.209445G	Inf	1
21.12M	5.18935G	5.21047G	18.891M	5.190495G	5.209385G	Inf	2
21.42M	5.1892G	5.21062G	18.921M	5.190495G	5.209415G	Inf	3
21.27M	5.18941G	5.21068G	18.921M	5.190495G	5.209415G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5240MHz

14/06/2019

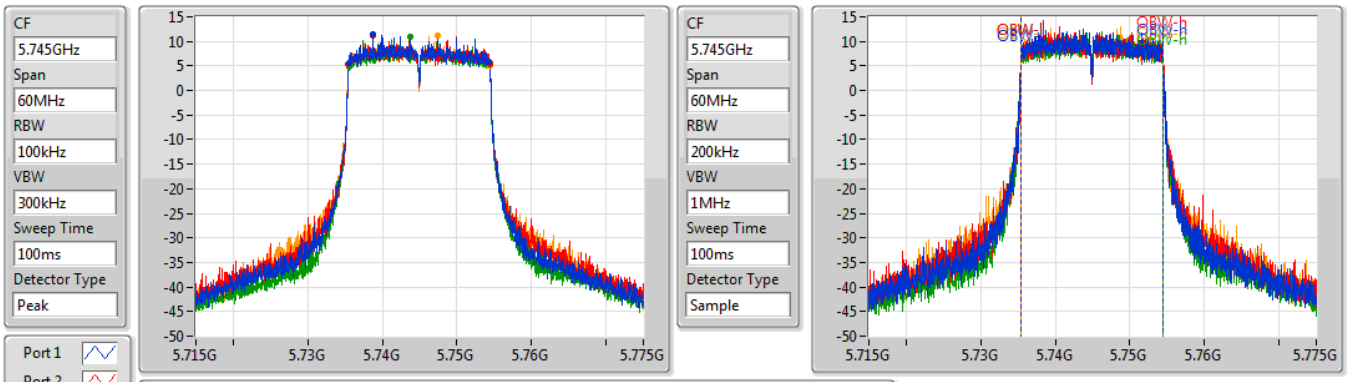


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.63M	5.22926G	5.25089G	18.951M	5.230465G	5.249415G	Inf	1
21.36M	5.22929G	5.25065G	18.951M	5.230495G	5.249445G	Inf	2
21.81M	5.2289G	5.25071G	18.921M	5.230495G	5.249415G	Inf	3
21.66M	5.22872G	5.25038G	18.951M	5.230495G	5.249445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5745MHz

05/06/2019



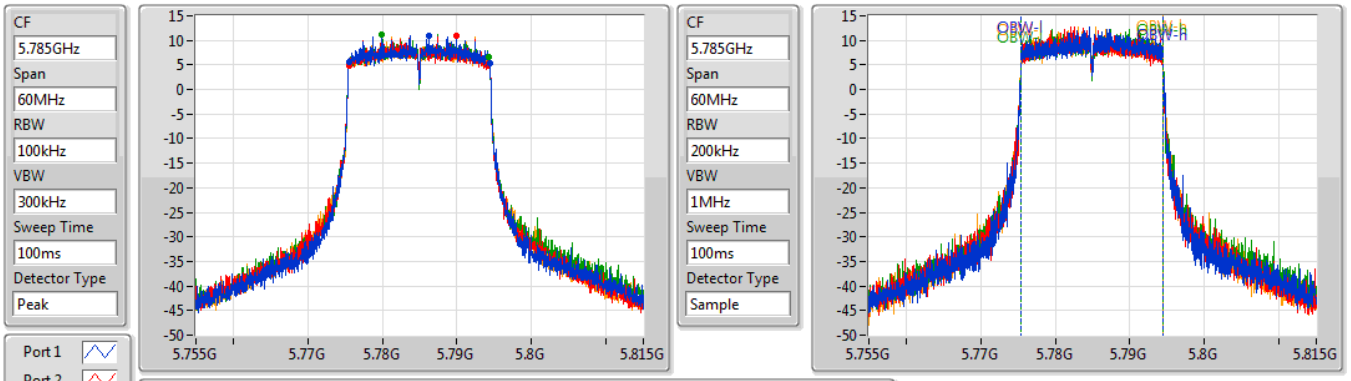
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.78M	5.73549G	5.75427G	18.951M	5.735465G	5.754415G	500k	1
18.9M	5.73546G	5.75436G	18.951M	5.735465G	5.754415G	500k	2
18.87M	5.73552G	5.75439G	18.921M	5.735465G	5.754385G	500k	3
18.84M	5.73555G	5.75439G	18.951M	5.735465G	5.754415G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5785MHz

05/06/2019



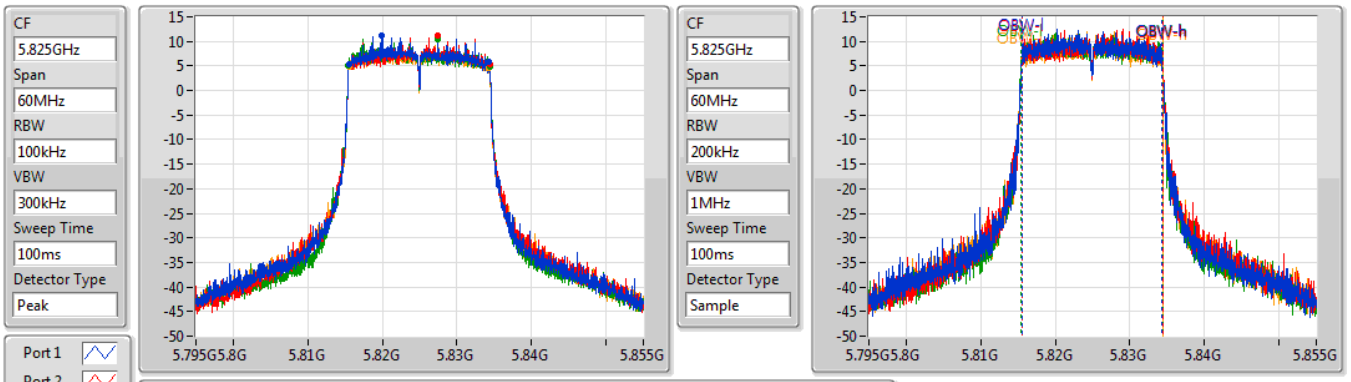
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.96M	5.77549G	5.79445G	18.921M	5.775465G	5.794385G	500k	1
18.81M	5.77552G	5.79433G	18.921M	5.775465G	5.794385G	500k	2
18.69M	5.77558G	5.79427G	18.921M	5.775465G	5.794385G	500k	3
18.78M	5.77555G	5.79433G	18.921M	5.775465G	5.794385G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5825MHz

05/06/2019



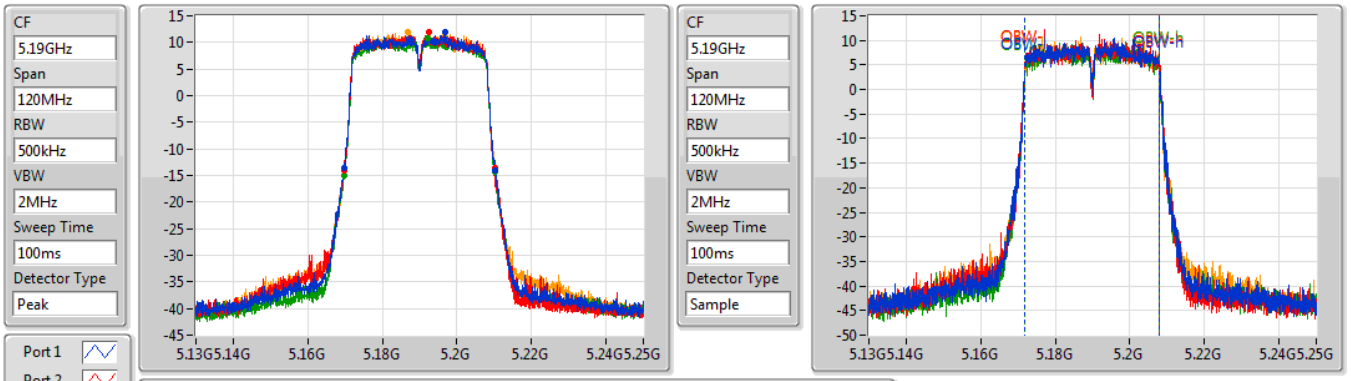
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.63M	5.81561G	5.83424G	18.861M	5.815495G	5.834355G	500k	1
18.78M	5.81558G	5.83436G	18.921M	5.815495G	5.834415G	500k	2
18.9M	5.81546G	5.83436G	18.951M	5.815465G	5.834415G	500k	3
18.75M	5.81552G	5.83427G	18.921M	5.815465G	5.834385G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5190MHz

05/06/2019



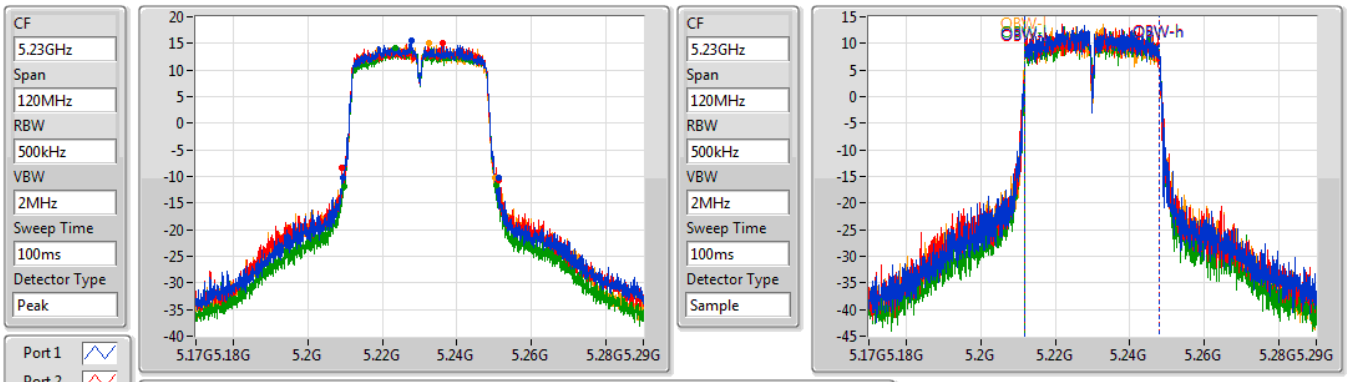
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.62M	5.16966G	5.21028G	36.042M	5.171889G	5.207931G	Inf	1
40.5M	5.16972G	5.21022G	36.102M	5.171889G	5.207991G	Inf	2
40.32M	5.16978G	5.2101G	36.042M	5.171889G	5.207931G	Inf	3
40.26M	5.16984G	5.2101G	36.102M	5.171889G	5.207991G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5230MHz

14/06/2019



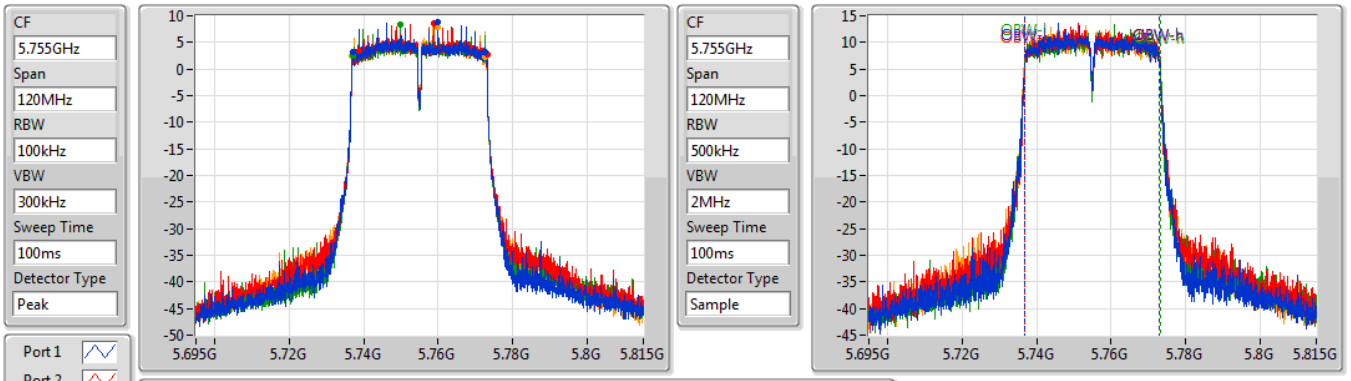
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.88M	5.2093G	5.25118G	36.102M	5.211889G	5.247991G	Inf	1
41.94M	5.20918G	5.25112G	36.102M	5.211889G	5.247991G	Inf	2
40.74M	5.20978G	5.25052G	36.042M	5.211949G	5.247991G	Inf	3
40.74M	5.20954G	5.25028G	36.162M	5.211829G	5.247991G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5755MHz

05/06/2019



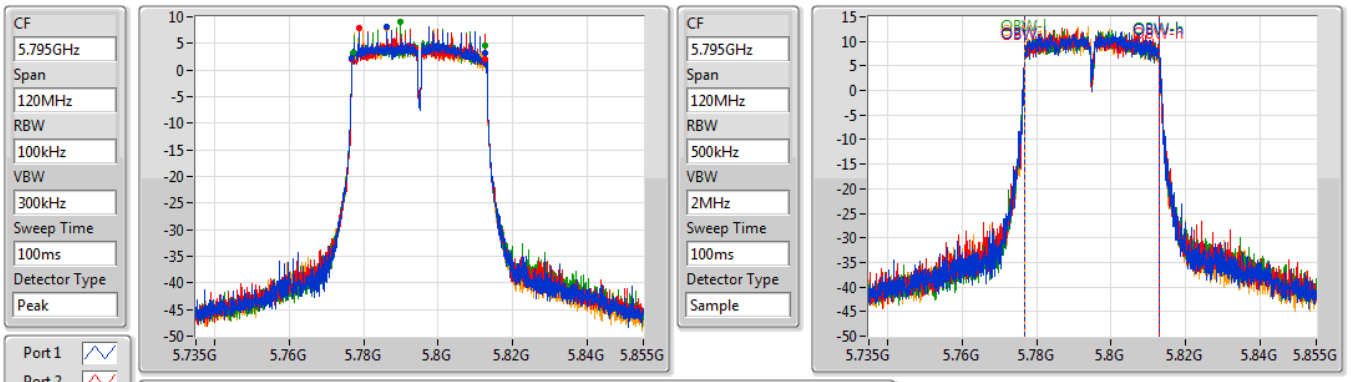
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.52M	5.73718G	5.7727G	36.042M	5.736889G	5.772931G	500k	1
34.44M	5.73868G	5.77312G	36.042M	5.736949G	5.772991G	500k	2
35.88M	5.73718G	5.77306G	36.162M	5.736889G	5.773051G	500k	3
35.88M	5.73682G	5.7727G	36.102M	5.736829G	5.772931G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5795MHz

05/06/2019



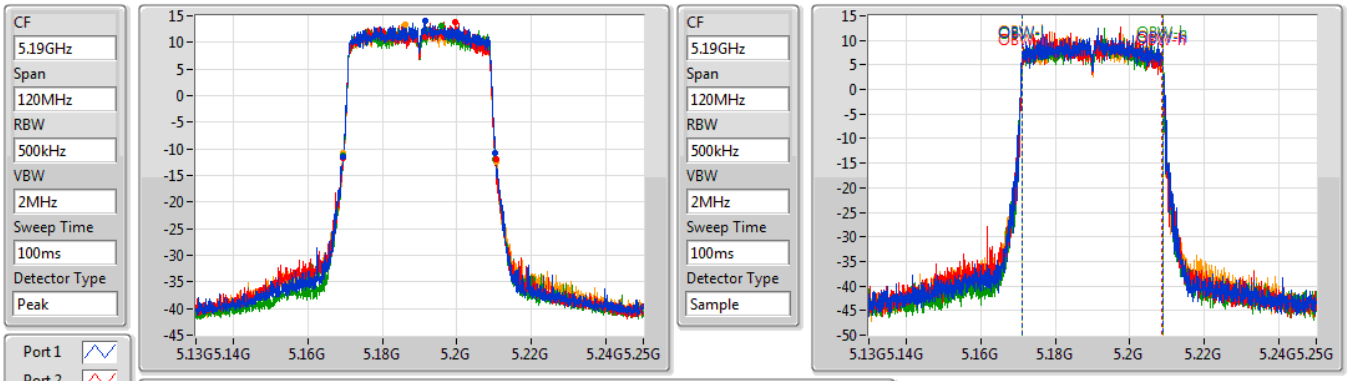
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	5.77682G	5.81252G	36.102M	5.776829G	5.812931G	500k	1
35.88M	5.77682G	5.8127G	36.102M	5.776829G	5.812931G	500k	2
35.28M	5.77724G	5.81252G	36.102M	5.776829G	5.812931G	500k	3
34.8M	5.77706G	5.81186G	36.042M	5.776889G	5.812931G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5190MHz

05/06/2019



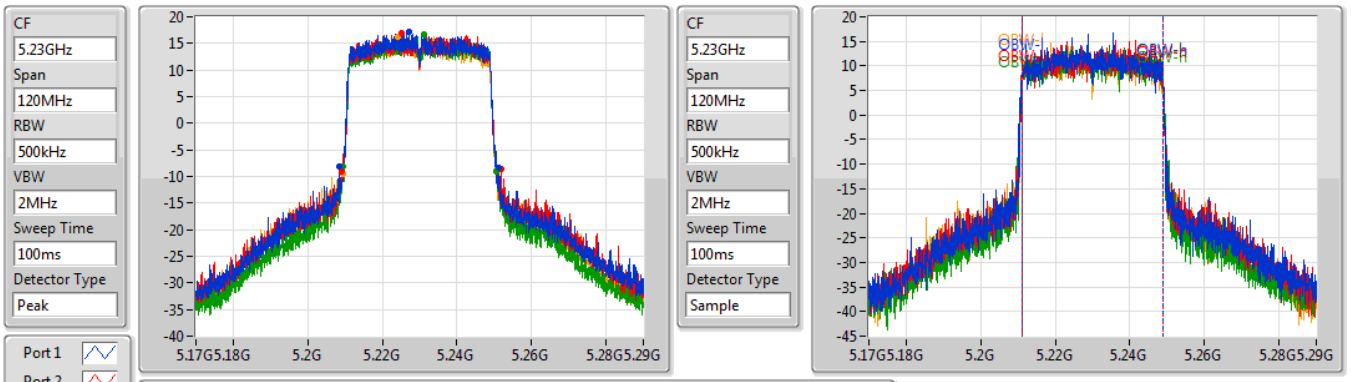
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.86M	5.16948G	5.21034G	37.781M	5.171049G	5.208831G	Inf	1
40.92M	5.16954G	5.21046G	37.601M	5.171109G	5.208711G	Inf	2
40.92M	5.16942G	5.21034G	37.781M	5.171049G	5.208831G	Inf	3
41.1M	5.1693G	5.2104G	37.721M	5.171049G	5.208771G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5230MHz

14/06/2019



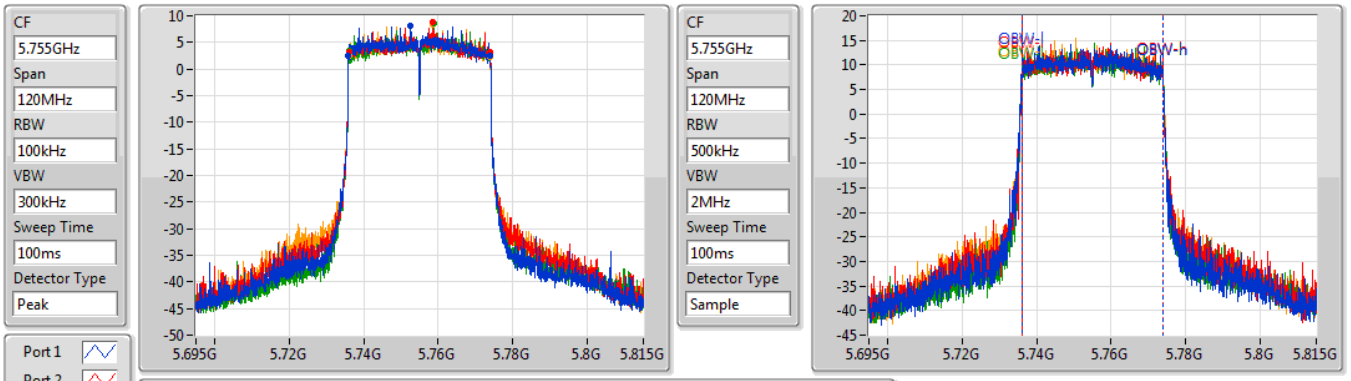
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.54M	5.20852G	5.25106G	37.781M	5.211049G	5.248831G	Inf	1
42.78M	5.209G	5.25178G	37.781M	5.211049G	5.248831G	Inf	2
41.28M	5.20942G	5.2507G	37.721M	5.211109G	5.248831G	Inf	3
41.34M	5.2093G	5.25064G	37.721M	5.211109G	5.248831G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5755MHz

05/06/2019



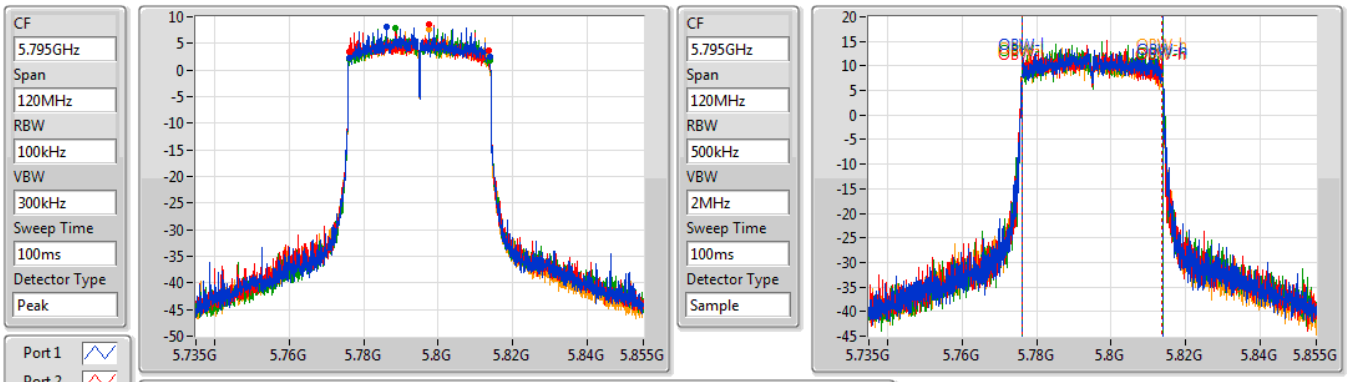
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.98M	5.73592G	5.7739G	37.721M	5.736049G	5.773771G	500k	1
37.5M	5.73622G	5.77372G	37.721M	5.736049G	5.773771G	500k	2
37.74M	5.7361G	5.77384G	37.721M	5.736049G	5.773771G	500k	3
37.8M	5.73604G	5.77384G	37.781M	5.736049G	5.773831G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5795MHz

05/06/2019

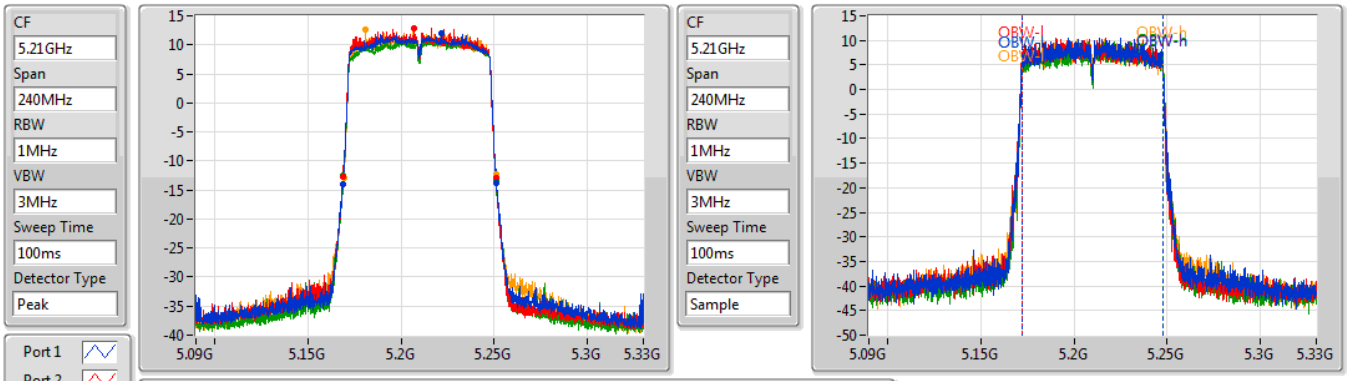


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.86M	5.77604G	5.8139G	37.661M	5.776109G	5.813771G	500k	1
37.56M	5.7761G	5.81366G	37.721M	5.77599G	5.813711G	500k	2
37.86M	5.7761G	5.81396G	37.721M	5.776049G	5.813771G	500k	3
37.68M	5.77598G	5.81366G	37.721M	5.776049G	5.813771G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5210MHz

05/06/2019

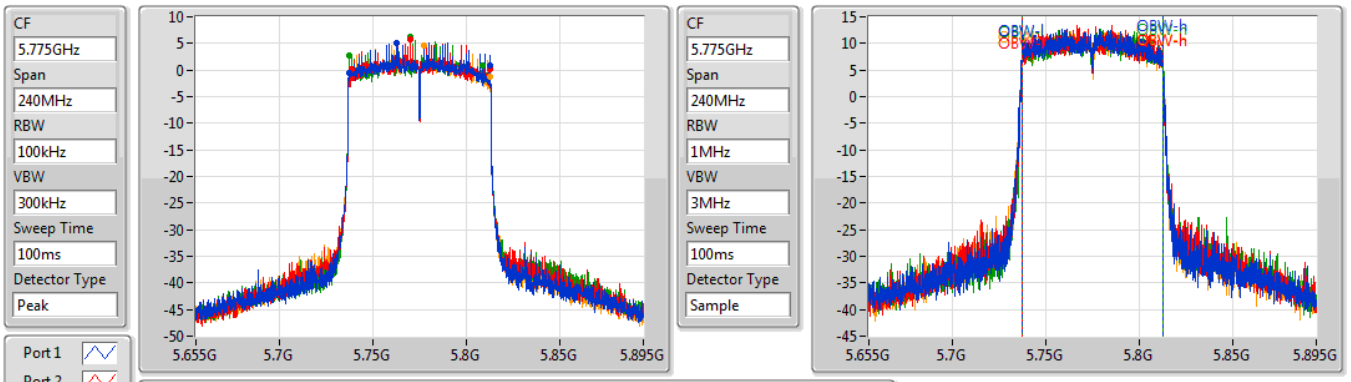


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.68M	5.1686G	5.25128G	75.322M	5.172219G	5.247541G	Inf	1
81.96M	5.16896G	5.25092G	75.442M	5.172099G	5.247541G	Inf	2
81.96M	5.16908G	5.25104G	75.562M	5.172219G	5.247781G	Inf	3
81.6M	5.16932G	5.25092G	75.562M	5.172219G	5.247781G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5775MHz

05/06/2019



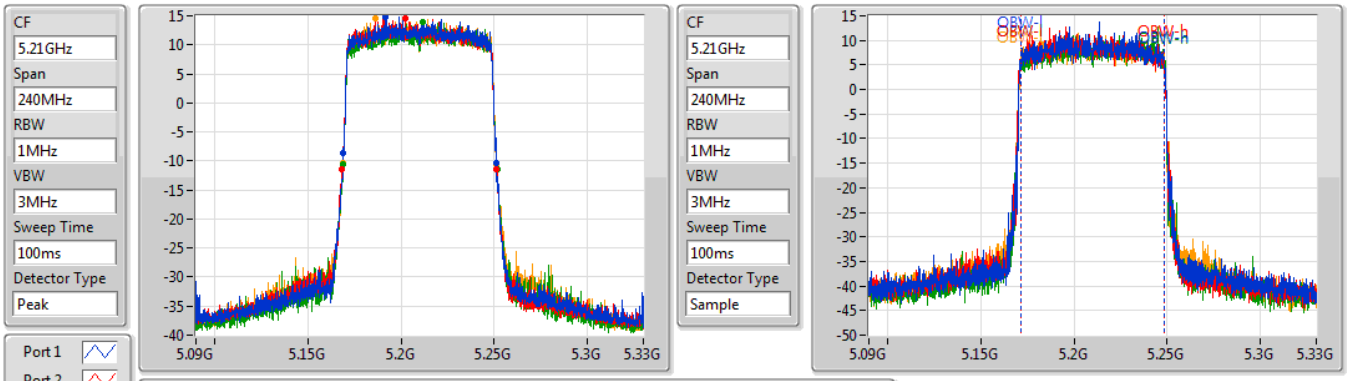
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.48M	5.73708G	5.81256G	75.442M	5.737099G	5.812541G	500k	1
73.8M	5.73864G	5.81244G	75.322M	5.737219G	5.812541G	500k	2
71.16M	5.73744G	5.8086G	75.562M	5.737099G	5.812661G	500k	3
75M	5.73744G	5.81244G	75.442M	5.737099G	5.812541G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5210MHz

05/06/2019



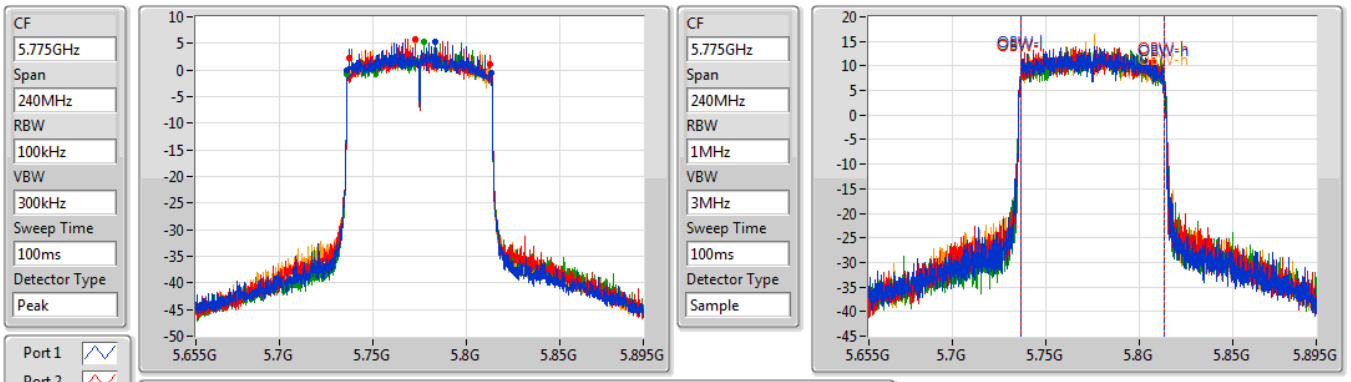
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	5.16872G	5.25104G	77.001M	5.171379G	5.248381G	Inf	1
82.8M	5.16836G	5.25116G	77.121M	5.171259G	5.248381G	Inf	2
83.16M	5.16884G	5.252G	77.361M	5.171259G	5.248621G	Inf	3
82.56M	5.16872G	5.25128G	77.121M	5.171379G	5.248501G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5775MHz

05/06/2019



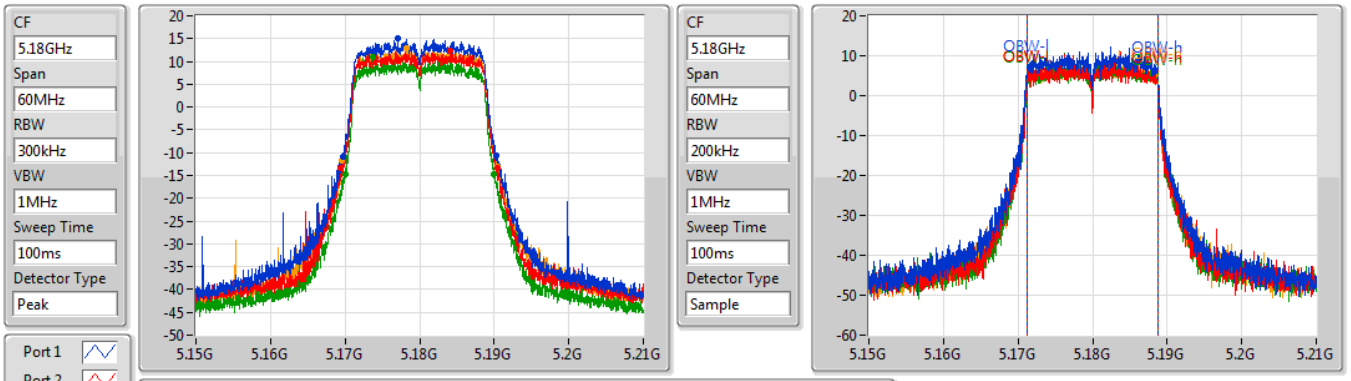
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.28M	5.736G	5.81328G	77.001M	5.736379G	5.813381G	500k	1
75.12M	5.73744G	5.81256G	76.762M	5.736499G	5.813261G	500k	2
77.76M	5.736G	5.81376G	77.121M	5.736379G	5.813501G	500k	3
75.84M	5.73648G	5.81232G	77.121M	5.736259G	5.813381G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5180MHz

13/06/2019



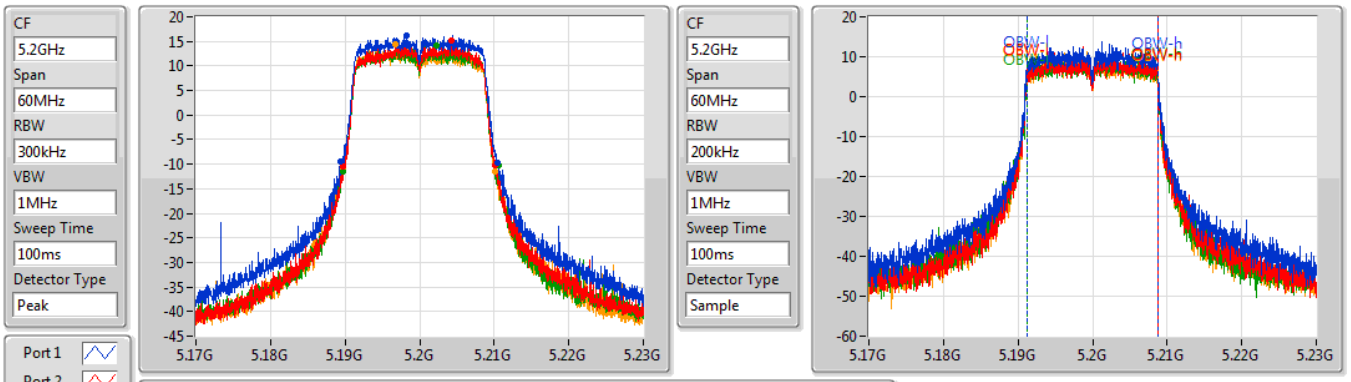
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.55M	5.16968G	5.19023G	17.601M	5.171154G	5.188756G	Inf	1
21.06M	5.16938G	5.19044G	17.601M	5.171154G	5.188756G	Inf	2
19.98M	5.16998G	5.18996G	17.571M	5.171184G	5.188756G	Inf	3
20.97M	5.1695G	5.19047G	17.601M	5.171154G	5.188756G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5200MHz

13/06/2019

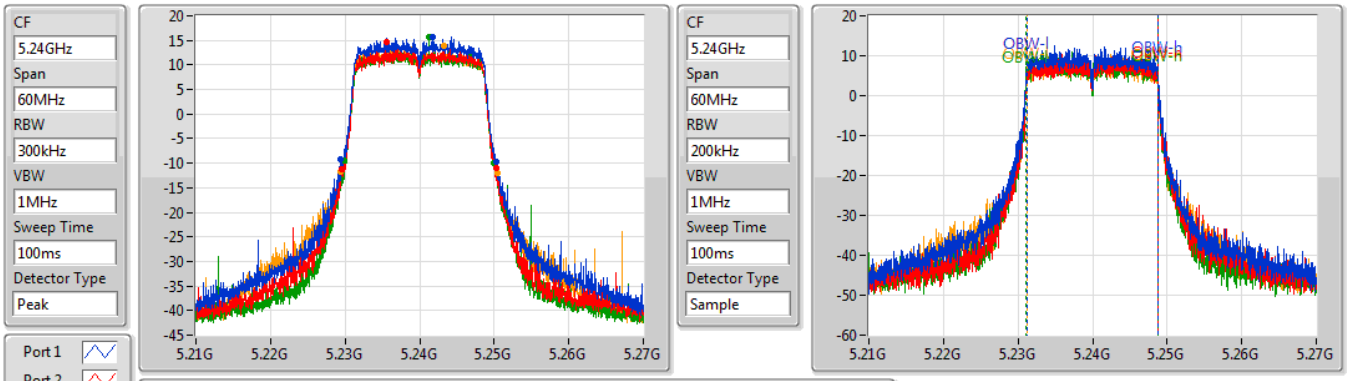


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.06M	5.18944G	5.2105G	17.601M	5.191154G	5.208756G	Inf	1
20.37M	5.1898G	5.21017G	17.601M	5.191184G	5.208786G	Inf	2
21.03M	5.18965G	5.21068G	17.601M	5.191154G	5.208756G	Inf	3
20.49M	5.18965G	5.21014G	17.541M	5.191184G	5.208726G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5240MHz

13/06/2019

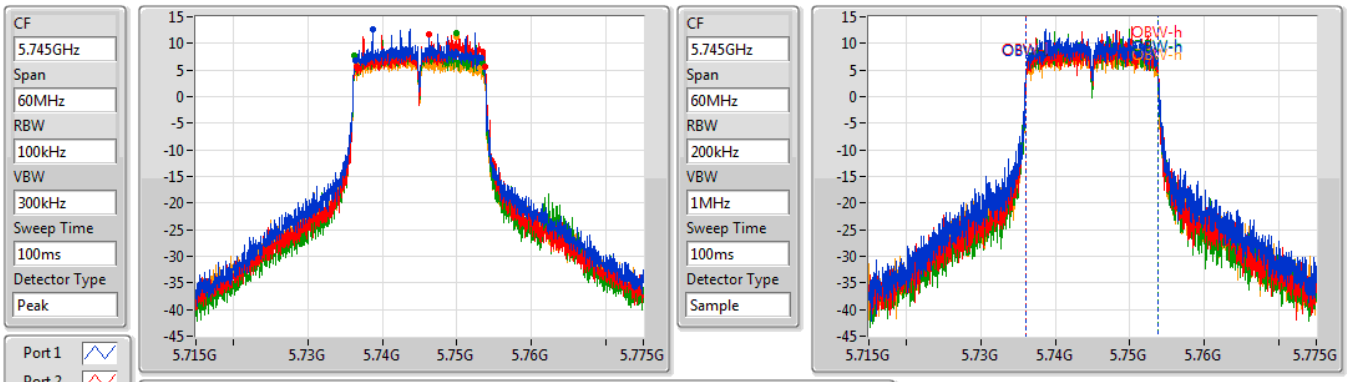


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.88M	5.22944G	5.25032G	17.601M	5.231154G	5.248756G	Inf	1
20.7M	5.2295G	5.2502G	17.571M	5.231184G	5.248756G	Inf	2
20.1M	5.22992G	5.25002G	17.631M	5.231094G	5.248726G	Inf	3
21.06M	5.22932G	5.25038G	17.601M	5.231154G	5.248756G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5745MHz

14/06/2019



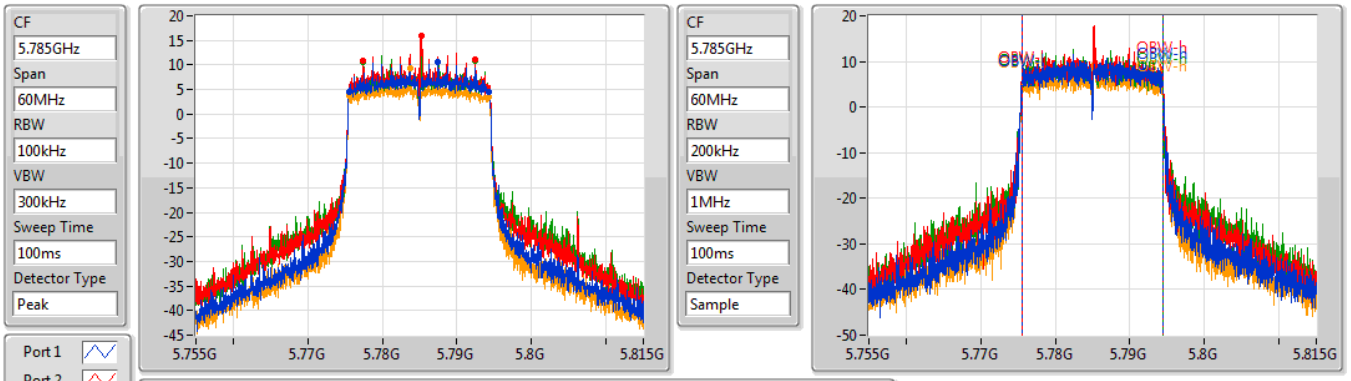
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.95M	5.73636G	5.75331G	17.691M	5.736094G	5.753786G	500k	1
17.34M	5.73648G	5.75382G	17.661M	5.736124G	5.753786G	500k	2
17.22M	5.73621G	5.75343G	17.601M	5.736124G	5.753726G	500k	3
16.68M	5.73648G	5.75316G	17.661M	5.736124G	5.753786G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5785MHz

14/06/2019



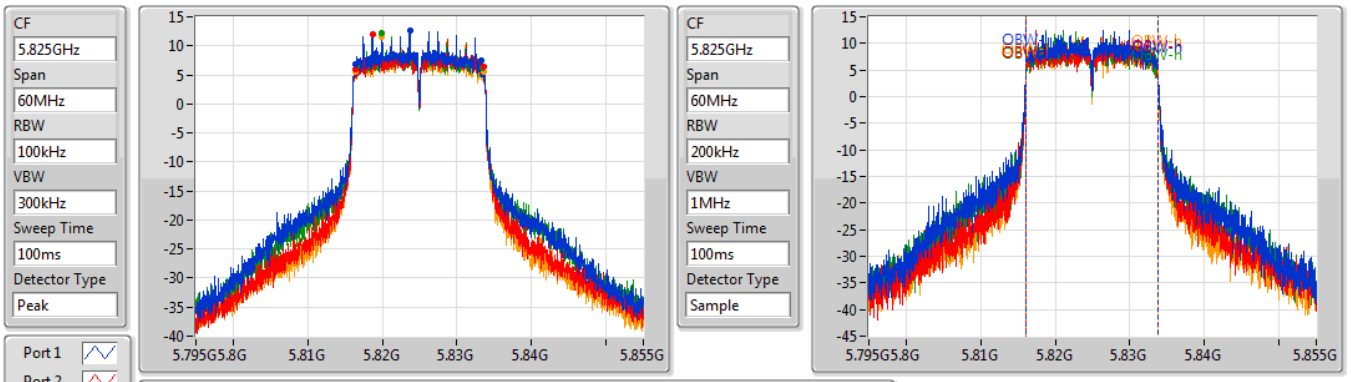
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.72M	5.77558G	5.7943G	18.921M	5.775495G	5.794415G	500k	1
15.03M	5.77747G	5.7925G	18.891M	5.775495G	5.794385G	500k	2
14.97M	5.77747G	5.79244G	18.891M	5.775495G	5.794385G	500k	3
18.6M	5.77561G	5.79421G	18.891M	5.775495G	5.794385G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5825MHz

14/06/2019

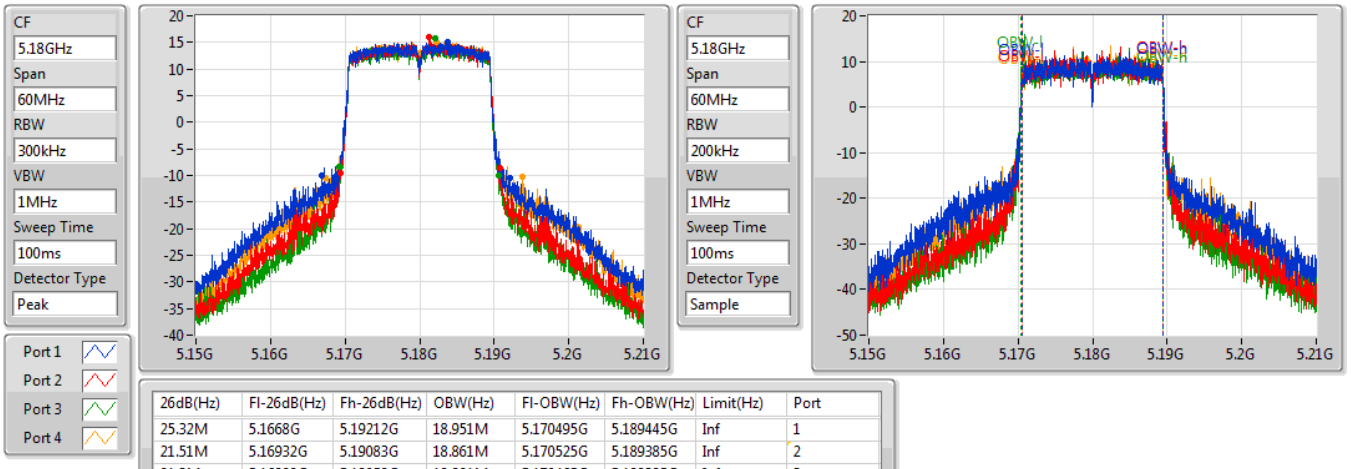


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.92M	5.81636G	5.83328G	17.721M	5.816034G	5.833756G	500k	1
17.22M	5.81636G	5.83358G	17.661M	5.816094G	5.833756G	500k	2
16.83M	5.8166G	5.83343G	17.691M	5.816094G	5.833786G	500k	3
17.25M	5.81633G	5.83358G	17.631M	5.816094G	5.833726G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5180MHz

13/06/2019

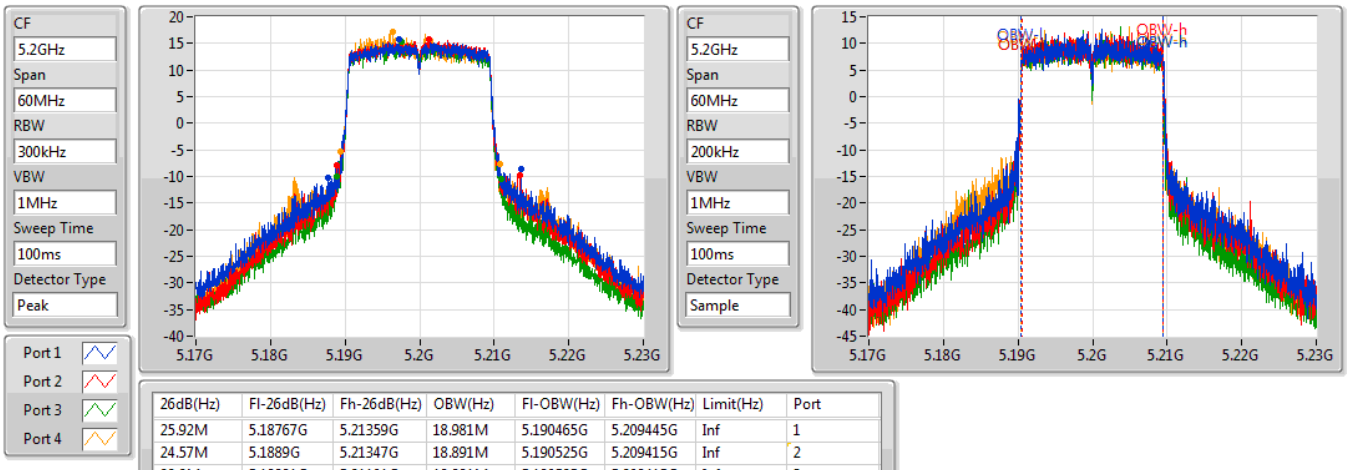


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.32M	5.1668G	5.19212G	18.951M	5.170495G	5.189445G	Inf	1
21.51M	5.16932G	5.19083G	18.861M	5.170525G	5.189385G	Inf	2
21.3M	5.16929G	5.19059G	18.921M	5.170465G	5.189385G	Inf	3
26.55M	5.16731G	5.19386G	18.921M	5.170495G	5.189415G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5200MHz

13/06/2019



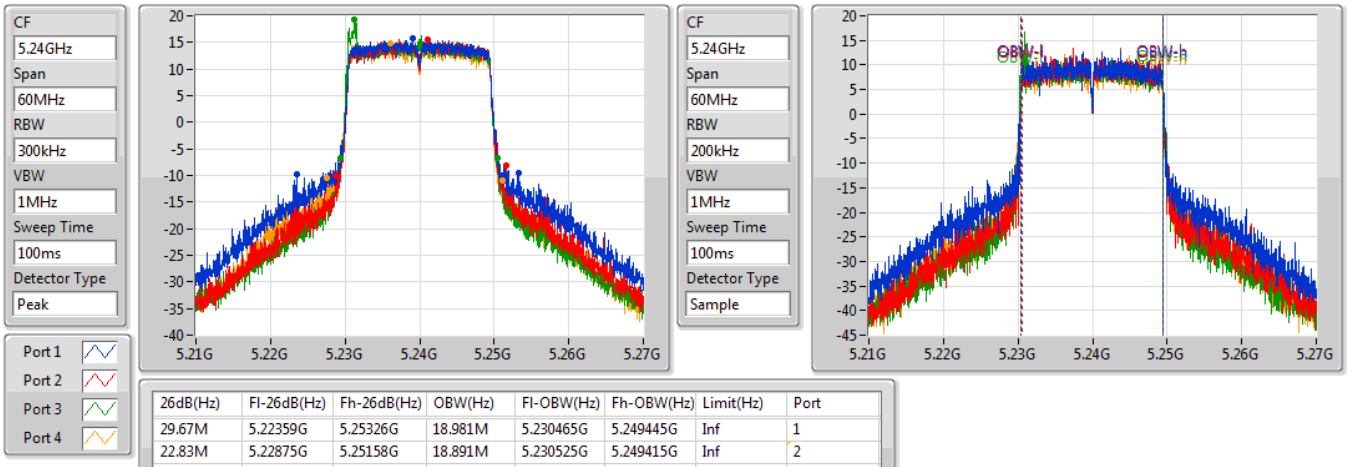
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.92M	5.18767G	5.21359G	18.981M	5.190465G	5.209445G	Inf	1
24.57M	5.1889G	5.21347G	18.891M	5.190525G	5.209415G	Inf	2
22.2M	5.18881G	5.21101G	18.891M	5.190525G	5.209415G	Inf	3
21.39M	5.18932G	5.21071G	18.951M	5.190465G	5.209415G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5240MHz

13/06/2019



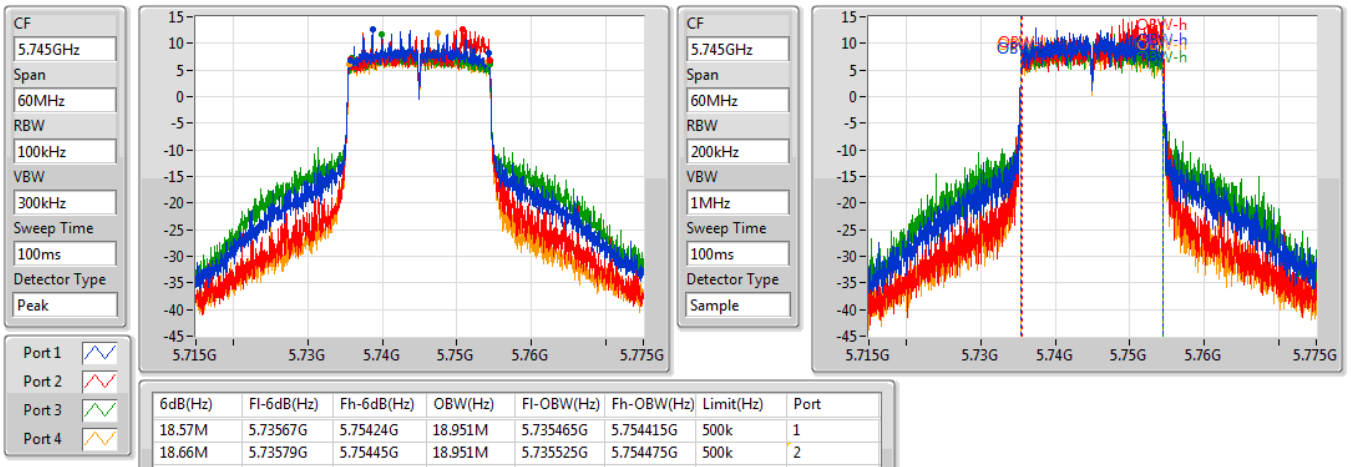
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.67M	5.22359G	5.25326G	18.981M	5.230465G	5.249445G	Inf	1
22.83M	5.22875G	5.25158G	18.891M	5.230525G	5.249415G	Inf	2
21M	5.22941G	5.25041G	19.04M	5.230375G	5.249415G	Inf	3
23.55M	5.22755G	5.2511G	18.921M	5.230465G	5.249385G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5745MHz

13/06/2019

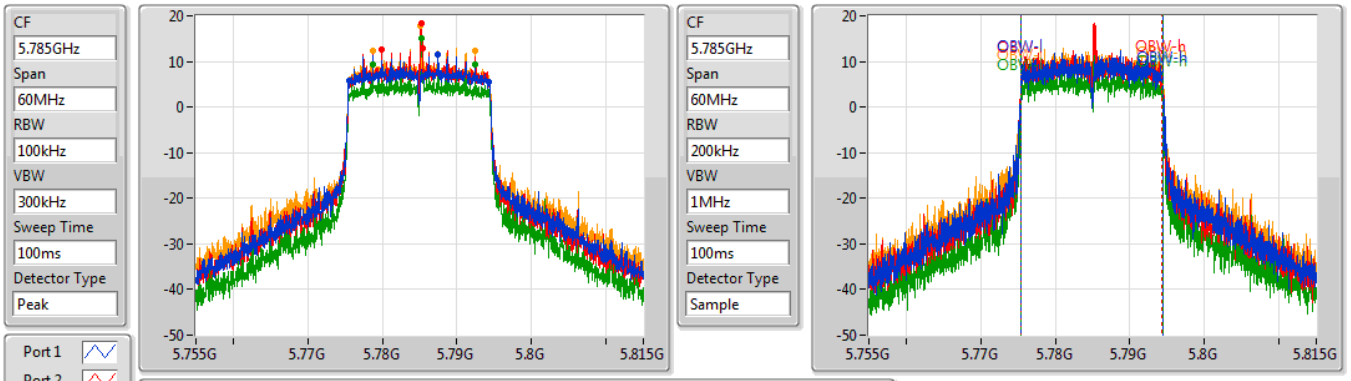


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.57M	5.73567G	5.75424G	18.951M	5.735465G	5.754415G	500k	1
18.66M	5.73579G	5.75445G	18.951M	5.735525G	5.754475G	500k	2
18.54M	5.73582G	5.75436G	19.07M	5.735405G	5.754475G	500k	3
18.51M	5.73558G	5.75409G	18.921M	5.735465G	5.754385G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5785MHz

13/06/2019

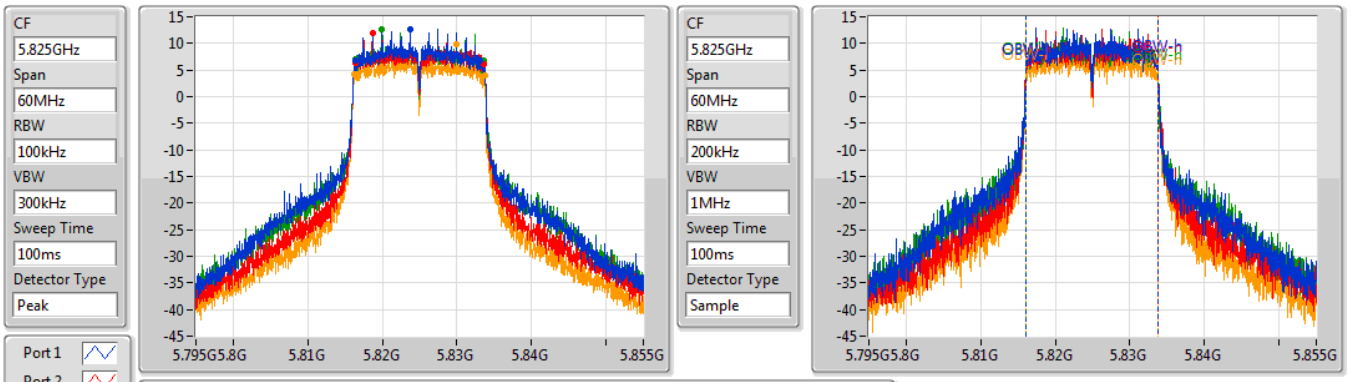


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.81M	5.77552G	5.79433G	18.951M	5.775465G	5.794415G	500k	1
5.43M	5.77996G	5.78539G	18.891M	5.775465G	5.794355G	500k	2
13.8M	5.77867G	5.79247G	18.951M	5.775465G	5.794415G	500k	3
13.77M	5.77867G	5.79244G	18.951M	5.775465G	5.794415G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5825MHz

14/06/2019



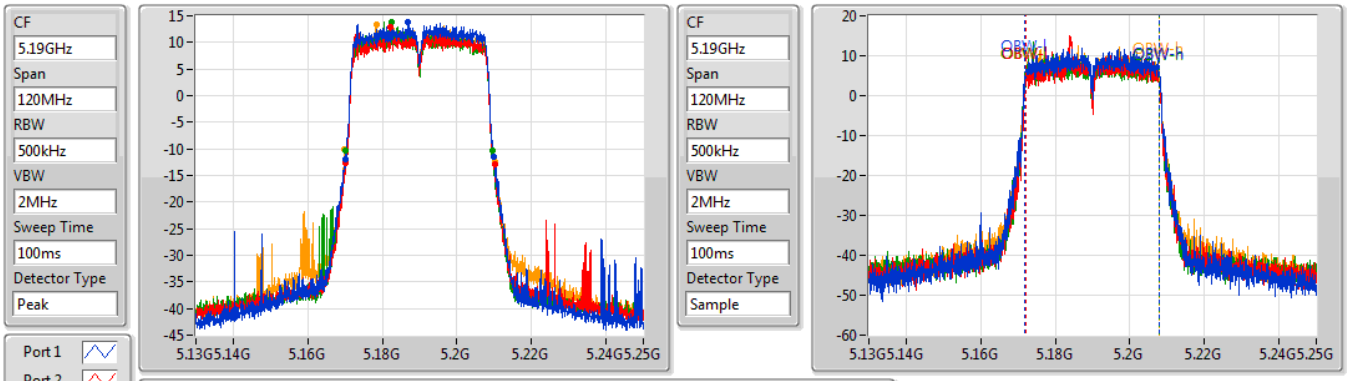
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.71M	5.81645G	5.83316G	17.661M	5.816094G	5.833756G	500k	1
17.25M	5.81633G	5.83358G	17.661M	5.816094G	5.833756G	500k	2
17.1M	5.81645G	5.83355G	17.721M	5.816094G	5.833816G	500k	3
17.52M	5.81618G	5.8337G	17.631M	5.816124G	5.833756G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5190MHz

13/06/2019



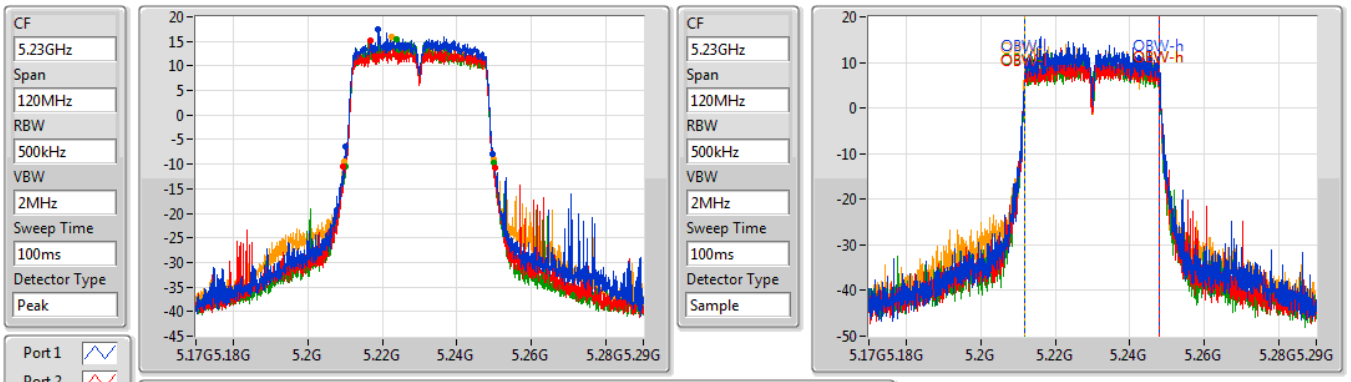
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.17002G	5.21004G	36.102M	5.171889G	5.207991G	Inf	1
39.96M	5.17026G	5.21022G	35.982M	5.172009G	5.207991G	Inf	2
39.42M	5.17026G	5.20968G	36.042M	5.171949G	5.207991G	Inf	3
40.44M	5.16978G	5.21022G	35.982M	5.171949G	5.207931G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5230MHz

13/06/2019



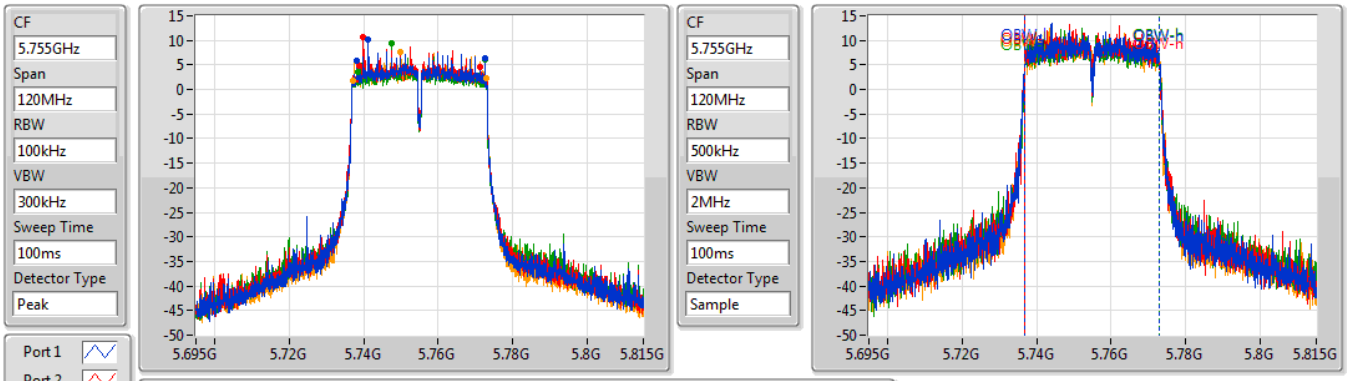
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.72M	5.20996G	5.24968G	36.042M	5.211889G	5.247931G	Inf	1
40.62M	5.2096G	5.25022G	36.162M	5.211829G	5.247991G	Inf	2
39.9M	5.20996G	5.24986G	36.102M	5.211889G	5.247991G	Inf	3
39.96M	5.20984G	5.2498G	36.162M	5.211769G	5.247931G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5755MHz

14/06/2019



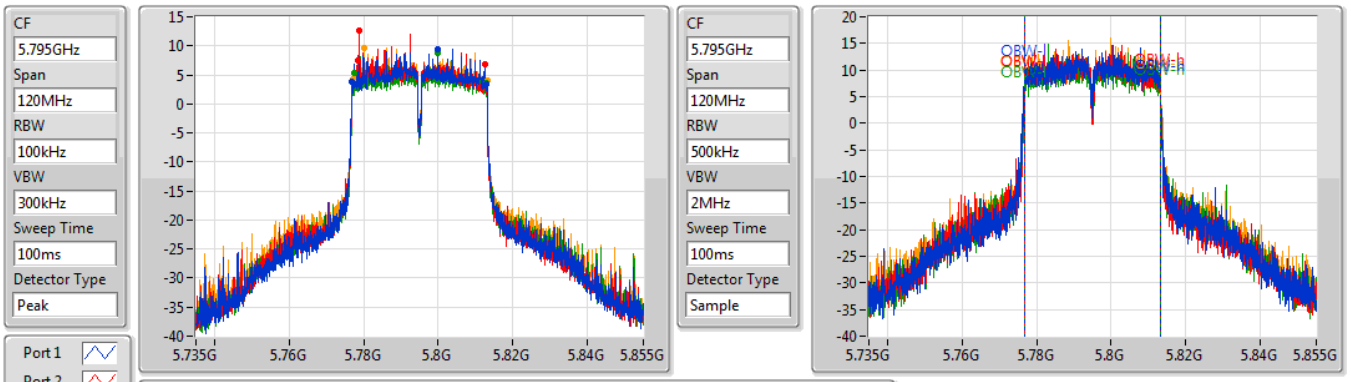
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.44M	5.73802G	5.77246G	36.102M	5.736889G	5.772991G	500k	1
32.46M	5.73874G	5.7712G	36.162M	5.736829G	5.772991G	500k	2
33.9M	5.73856G	5.77246G	36.162M	5.736829G	5.772991G	500k	3
35.7M	5.73718G	5.77288G	36.162M	5.736829G	5.772991G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5795MHz

14/06/2019



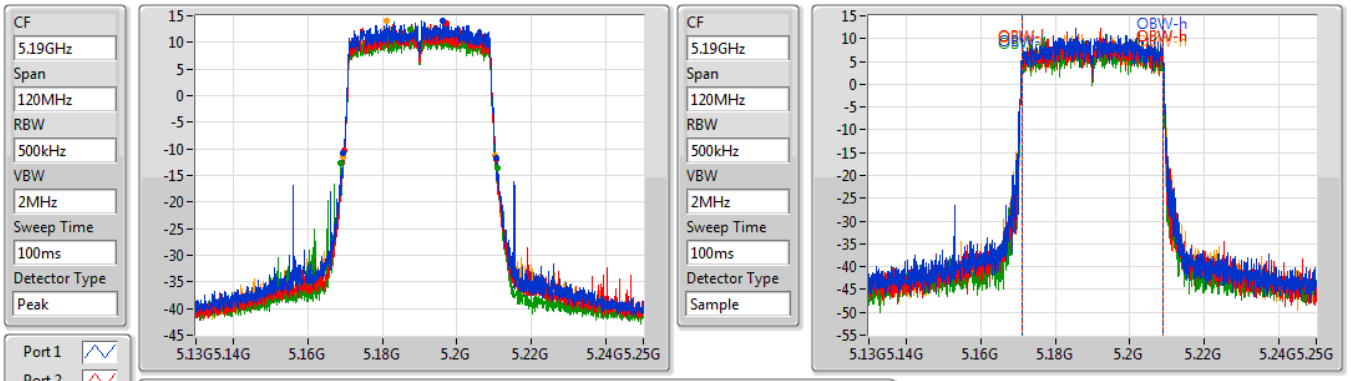
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.12M	5.77676G	5.81288G	36.282M	5.776769G	5.813051G	500k	1
34.14M	5.77832G	5.81246G	36.282M	5.776769G	5.813051G	500k	2
35.4M	5.77748G	5.81288G	36.222M	5.776829G	5.813051G	500k	3
36.12M	5.77706G	5.81318G	36.282M	5.776769G	5.813051G	500k	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5190MHz

13/06/2019



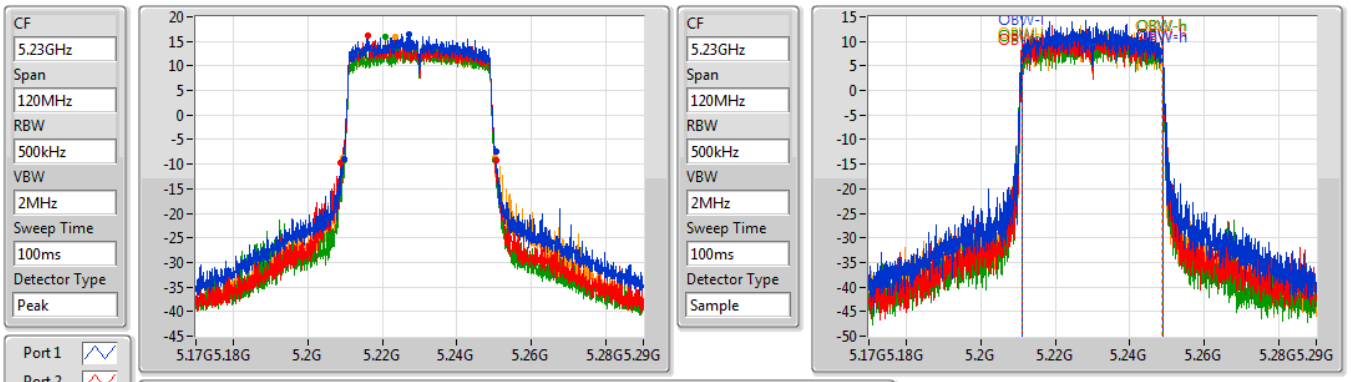
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.1M	5.1696G	5.2107G	37.721M	5.171109G	5.208831G	Inf	1
40.74M	5.16978G	5.21052G	37.661M	5.171109G	5.208771G	Inf	2
41.94M	5.16882G	5.21076G	37.721M	5.171049G	5.208771G	Inf	3
40.86M	5.16942G	5.21028G	37.661M	5.171169G	5.208831G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5230MHz

13/06/2019

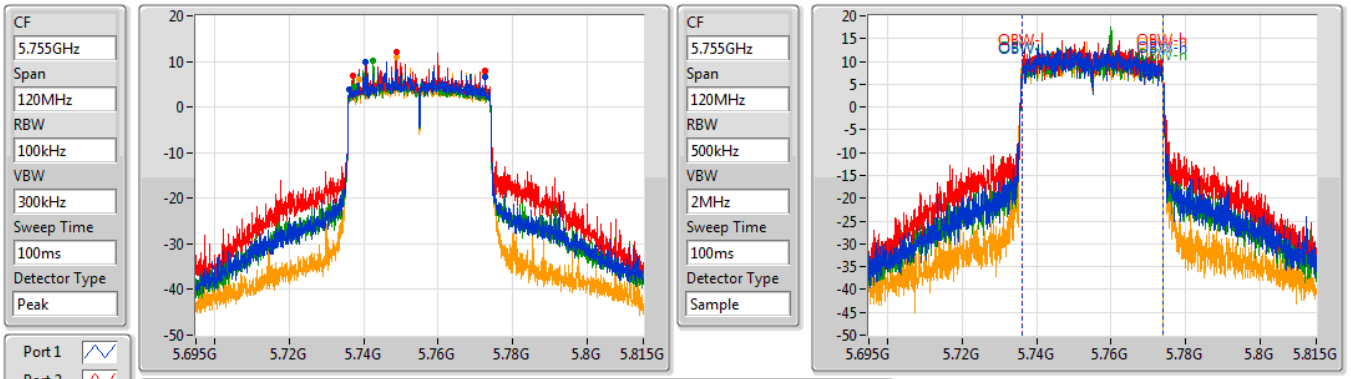


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.86M	5.20966G	5.25052G	37.721M	5.211049G	5.248771G	Inf	1
41.64M	5.20882G	5.25046G	37.781M	5.211049G	5.248831G	Inf	2
40.5M	5.20972G	5.25022G	37.661M	5.211109G	5.248771G	Inf	3
40.56M	5.20954G	5.2501G	37.661M	5.211049G	5.248711G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5755MHz

13/06/2019

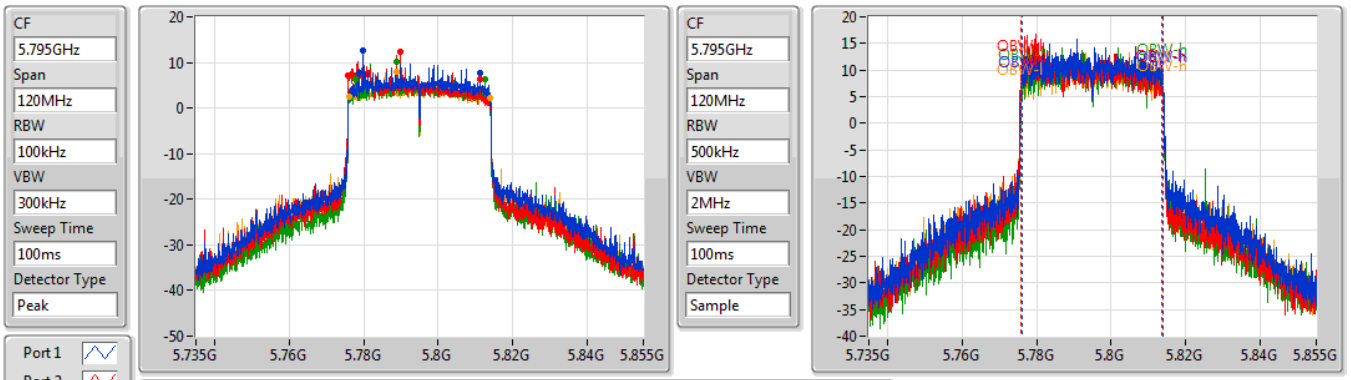


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.48M	5.73604G	5.77252G	37.721M	5.736109G	5.773831G	500k	1
35.46M	5.737G	5.77246G	37.841M	5.736049G	5.773891G	500k	2
35.1M	5.73742G	5.77252G	37.721M	5.736049G	5.773771G	500k	3
33.78M	5.73868G	5.77246G	37.781M	5.73599G	5.773771G	500k	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5795MHz

13/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.52M	5.77868G	5.8112G	37.901M	5.77599G	5.813891G	500k	1
35.28M	5.77592G	5.8112G	37.901M	5.77581G	5.813711G	500k	2
34.86M	5.77766G	5.81252G	37.781M	5.77599G	5.813771G	500k	3
37.68M	5.77622G	5.8139G	37.901M	5.77593G	5.813831G	500k	4

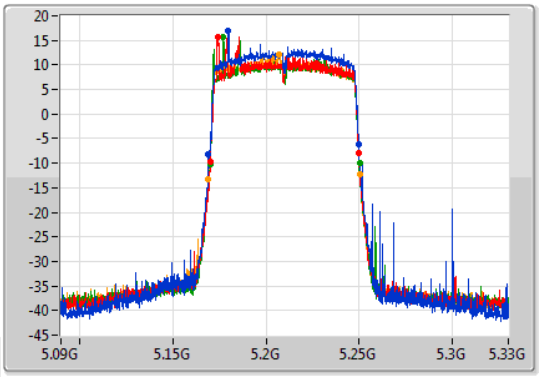
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5210MHz

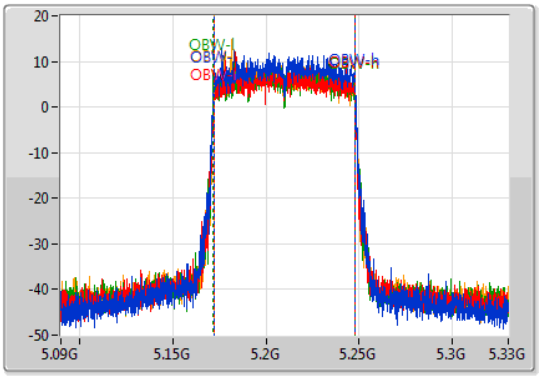
13/06/2019

CF 5.21GHz
Span 240MHz
RBW 1MHz
VBW 3MHz
Sweep Time 100ms
Detector Type Peak



Port 1
Port 2
Port 3
Port 4

CF 5.21GHz
Span 240MHz
RBW 1MHz
VBW 3MHz
Sweep Time 100ms
Detector Type Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.64M	5.1692G	5.24984G	75.322M	5.172219G	5.247541G	Inf	1
79.8M	5.17004G	5.24984G	75.442M	5.172219G	5.247661G	Inf	2
80.28M	5.16992G	5.2502G	76.042M	5.171619G	5.247661G	Inf	3
81.36M	5.16908G	5.25044G	75.442M	5.172099G	5.247541G	Inf	4

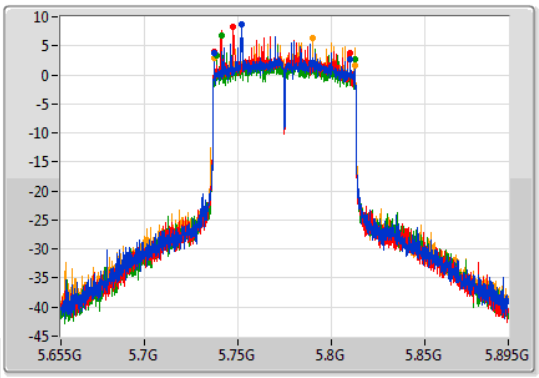
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5775MHz

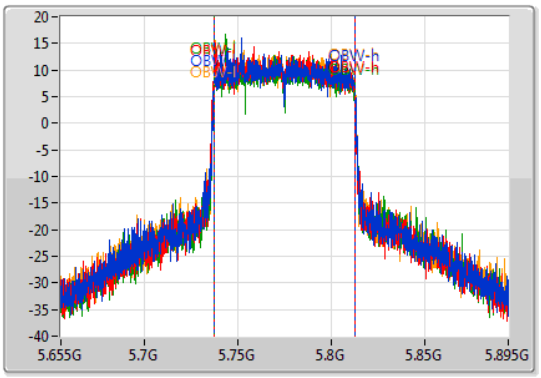
14/06/2019

CF 5.775GHz
Span 240MHz
RBW 100kHz
VBW 300kHz
Sweep Time 100ms
Detector Type Peak



Port 1
Port 2
Port 3
Port 4

CF 5.775GHz
Span 240MHz
RBW 1MHz
VBW 3MHz
Sweep Time 100ms
Detector Type Sample

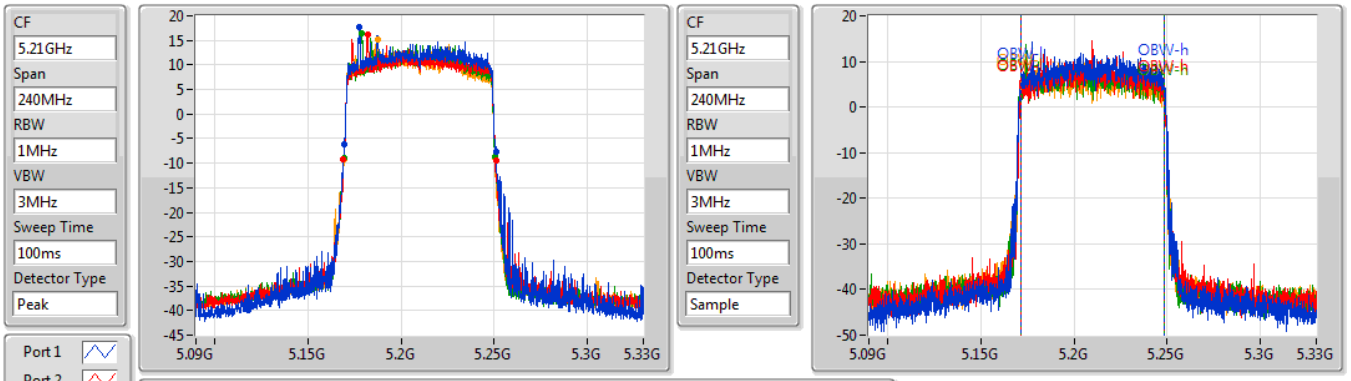


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
72.48M	5.73744G	5.80992G	75.682M	5.737099G	5.812781G	500k	1
72.48M	5.73744G	5.80992G	75.682M	5.736979G	5.812661G	500k	2
73.8M	5.73864G	5.81244G	75.562M	5.737099G	5.812661G	500k	3
75.12M	5.73744G	5.81256G	75.682M	5.736979G	5.812661G	500k	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

5210MHz

13/06/2019

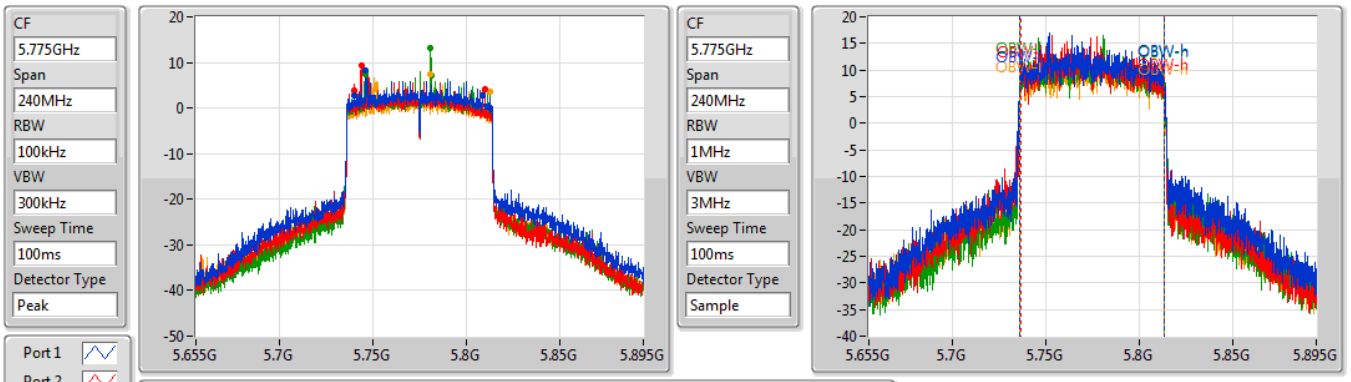


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.72M	5.16944G	5.25116G	77.121M	5.171379G	5.248501G	Inf	1
81.72M	5.1692G	5.25092G	76.882M	5.171499G	5.248381G	Inf	2
81.12M	5.16932G	5.25044G	77.001M	5.171379G	5.248381G	Inf	3
81.24M	5.16932G	5.25056G	77.241M	5.171259G	5.248501G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

5775MHz

13/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
69.12M	5.73972G	5.80884G	77.481M	5.736139G	5.813621G	500k	1
70.08M	5.73984G	5.80992G	77.001M	5.736259G	5.813261G	500k	2
35.28M	5.74596G	5.78124G	77.361M	5.736139G	5.813501G	500k	3
72.48M	5.73996G	5.81244G	77.481M	5.736019G	5.813501G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.83	0.96161
802.11ac VHT20_Nss1,(MCS0)_4TX	29.77	0.94842
802.11ax HEW20_Nss1,(MCS0)_4TX	29.74	0.94189
802.11ac VHT40_Nss1,(MCS0)_4TX	29.63	0.91833
802.11ax HEW40_Nss1,(MCS0)_4TX	29.86	0.96828
802.11ac VHT80_Nss1,(MCS0)_4TX	26.08	0.40551
802.11ax HEW80_Nss1,(MCS0)_4TX	26.14	0.41115
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	29.04	0.80168
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.46	0.88308
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	28.79	0.75683
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	28.80	0.75858
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	25.88	0.38726
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	26.01	0.39902
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	28.79	0.75683
802.11ac VHT20_Nss1,(MCS0)_4TX	28.67	0.73621
802.11ax HEW20_Nss1,(MCS0)_4TX	28.92	0.77983
802.11ac VHT40_Nss1,(MCS0)_4TX	28.85	0.76736
802.11ax HEW40_Nss1,(MCS0)_4TX	28.94	0.78343
802.11ac VHT80_Nss1,(MCS0)_4TX	28.67	0.73621
802.11ax HEW80_Nss1,(MCS0)_4TX	28.92	0.77983
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	28.83	0.76384
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	28.94	0.78343
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	28.79	0.75683
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	28.91	0.77804
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	28.67	0.73621
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	28.83	0.76384

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.88	23.98	23.19	22.86	22.94	29.29	30.00
5200MHz	Pass	5.88	24.55	23.61	23.22	23.02	29.66	30.00
5240MHz	Pass	5.88	24.6	23.82	23.47	23.21	29.83	30.00
5745MHz	Pass	6.94	22.94	22.68	22.73	22.54	28.75	29.06
5785MHz	Pass	6.94	22.41	22.84	23.20	22.58	28.79	29.06
5825MHz	Pass	6.94	22.40	22.27	22.59	21.64	28.26	29.06
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.88	23.37	23.12	22.67	22.93	29.05	30.00
5200MHz	Pass	5.88	24.15	23.91	23.44	23.28	29.73	30.00
5240MHz	Pass	5.88	23.94	24.14	23.47	23.40	29.77	30.00
5745MHz	Pass	6.94	22.73	22.59	22.56	22.71	28.67	29.06
5785MHz	Pass	6.94	22.57	22.69	22.61	22.52	28.62	29.06
5825MHz	Pass	6.94	22.59	22.56	22.03	22.21	28.37	29.06
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.88	23.92	23.34	22.97	23.02	29.35	30.00
5200MHz	Pass	5.88	24.56	23.72	23.42	23.03	29.74	30.00
5240MHz	Pass	5.88	24.22	23.86	23.34	23.34	29.73	30.00
5745MHz	Pass	6.94	23.02	23.05	22.65	22.87	28.92	29.06
5785MHz	Pass	6.94	22.93	22.71	23.00	22.86	28.90	29.06
5825MHz	Pass	6.94	22.89	22.80	22.74	22.25	28.70	29.06
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.88	20.37	20.34	19.89	20.10	26.20	30.00
5230MHz	Pass	5.88	23.97	23.72	23.35	23.35	29.63	30.00
5755MHz	Pass	6.94	22.86	22.99	22.73	22.73	28.85	29.06
5795MHz	Pass	6.94	22.91	22.63	22.84	22.50	28.74	29.06
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.88	20.53	20.46	19.95	20.18	26.31	30.00
5230MHz	Pass	5.88	24.29	24.05	23.46	23.48	29.86	30.00
5755MHz	Pass	6.94	22.93	23.02	22.81	22.92	28.94	29.06
5795MHz	Pass	6.94	22.90	22.91	22.81	22.68	28.85	29.06
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.88	20.35	20.33	19.63	19.90	26.08	30.00
5775MHz	Pass	6.94	22.60	22.78	22.62	22.58	28.67	29.06
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.88	20.10	20.48	19.94	19.92	26.14	30.00
5775MHz	Pass	6.94	22.93	22.95	22.87	22.83	28.92	29.06
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.88	23.34	20.86	20.55	21.66	27.77	30.00
5200MHz	Pass	5.88	24.75	22.51	22.34	21.84	29.04	30.00
5240MHz	Pass	5.88	23.15	22.87	22.47	22.73	28.83	30.00
5745MHz	Pass	6.94	23.56	22.51	22.53	22.05	28.72	29.06
5785MHz	Pass	6.94	23.12	22.76	22.55	22.08	28.66	29.06
5825MHz	Pass	6.94	23.38	22.85	22.12	22.81	28.83	29.06

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.88	23.10	21.51	20.26	21.81	27.81	30.00
5200MHz	Pass	5.88	23.58	23.86	23.01	23.26	29.46	30.00
5240MHz	Pass	5.88	23.47	23.42	23.02	22.80	29.21	30.00
5745MHz	Pass	6.94	23.65	22.99	22.45	22.46	28.94	29.06
5785MHz	Pass	6.94	23.45	22.85	22.63	22.54	28.90	29.06
5825MHz	Pass	6.94	23.44	22.74	22.63	22.54	28.87	29.06
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.88	21.10	20.32	20.22	20.41	26.55	30.00
5230MHz	Pass	5.88	24.02	22.07	21.97	22.69	28.79	30.00
5755MHz	Pass	6.94	23.36	23.12	22.12	22.36	28.79	29.06
5795MHz	Pass	6.94	23.25	22.89	22.88	21.92	28.78	29.06
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.88	21.91	20.51	20.43	20.63	26.93	30.00
5230MHz	Pass	5.88	23.39	23.78	21.49	22.06	28.80	30.00
5755MHz	Pass	6.94	23.41	23.02	22.63	22.27	28.87	29.06
5795MHz	Pass	6.94	23.21	22.93	22.86	22.55	28.91	29.06
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.88	20.56	19.77	19.54	19.47	25.88	30.00
5775MHz	Pass	6.94	23.24	22.76	22.36	22.15	28.67	29.06
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.88	20.44	19.85	19.84	19.78	26.01	30.00
5775MHz	Pass	6.94	23.58	22.84	22.63	22.05	28.83	29.06

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.45
802.11ac VHT20_Nss1,(MCS0)_4TX	15.76
802.11ax HEW20_Nss1,(MCS0)_4TX	16.03
802.11ac VHT40_Nss1,(MCS0)_4TX	13.25
802.11ax HEW40_Nss1,(MCS0)_4TX	13.35
802.11ac VHT80_Nss1,(MCS0)_4TX	6.81
802.11ax HEW80_Nss1,(MCS0)_4TX	6.89
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	15.52
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	15.56
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	12.52
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	12.18
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	7.01
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	6.57
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	14.34
802.11ac VHT20_Nss1,(MCS0)_4TX	13.70
802.11ax HEW20_Nss1,(MCS0)_4TX	13.73
802.11ac VHT40_Nss1,(MCS0)_4TX	11.02
802.11ax HEW40_Nss1,(MCS0)_4TX	10.97
802.11ac VHT80_Nss1,(MCS0)_4TX	7.84
802.11ax HEW80_Nss1,(MCS0)_4TX	7.90
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	14.22
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	14.10
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	11.35
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	11.11
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	8.70
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	8.31

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

Result

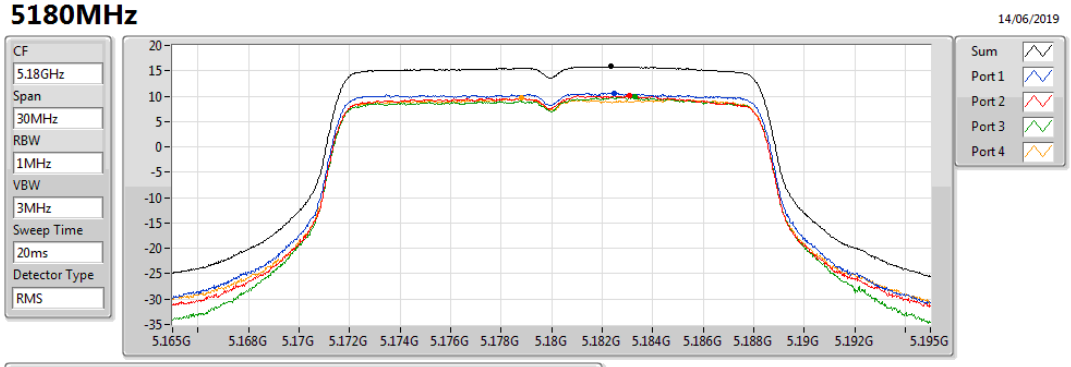
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.88	10.63	10.08	9.80	9.64	15.84	17.00
5200MHz	Pass	5.88	11.56	10.60	10.37	9.73	16.45	17.00
5240MHz	Pass	5.88	10.90	10.39	9.93	9.76	16.09	17.00
5745MHz	Pass	6.94	8.40	8.22	8.33	8.31	14.09	29.06
5785MHz	Pass	6.94	8.48	8.42	8.74	8.03	14.34	29.06
5825MHz	Pass	6.94	8.11	7.77	8.21	7.06	13.65	29.06
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.88	9.70	9.68	8.85	9.23	15.10	17.00
5200MHz	Pass	5.88	10.29	9.99	9.42	9.27	15.59	17.00
5240MHz	Pass	5.88	10.40	10.20	9.51	9.51	15.76	17.00
5745MHz	Pass	6.94	8.09	7.89	7.70	7.82	13.70	29.06
5785MHz	Pass	6.94	7.82	7.92	8.02	7.48	13.56	29.06
5825MHz	Pass	6.94	7.80	7.58	7.16	7.41	13.30	29.06
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.88	10.08	9.87	9.00	9.30	15.35	17.00
5200MHz	Pass	5.88	11.02	10.54	9.68	9.41	16.03	17.00
5240MHz	Pass	5.88	10.54	10.21	9.72	9.66	15.83	17.00
5745MHz	Pass	6.94	7.98	8.05	7.55	8.06	13.71	29.06
5785MHz	Pass	6.94	8.05	8.16	7.84	7.95	13.73	29.06
5825MHz	Pass	6.94	8.04	8.05	7.59	7.37	13.46	29.06
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.88	4.27	4.23	3.56	3.90	9.79	17.00
5230MHz	Pass	5.88	7.86	7.32	7.14	7.41	13.25	17.00
5755MHz	Pass	6.94	5.16	5.33	4.85	5.23	10.99	29.06
5795MHz	Pass	6.94	5.32	4.98	5.29	4.88	11.02	29.06
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.88	4.48	4.21	3.96	3.83	10.00	17.00
5230MHz	Pass	5.88	8.07	7.45	7.28	7.39	13.35	17.00
5755MHz	Pass	6.94	5.16	5.34	4.82	4.91	10.97	29.06
5795MHz	Pass	6.94	5.24	5.17	5.06	4.76	10.77	29.06
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.88	1.36	1.24	0.60	0.80	6.81	17.00
5775MHz	Pass	6.94	2.10	2.55	2.40	1.97	7.84	29.06
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.88	1.38	1.41	0.59	1.02	6.89	17.00
5775MHz	Pass	6.94	2.16	2.60	2.37	2.10	7.90	29.06
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.88	8.93	6.53	6.68	7.27	13.34	17.00
5200MHz	Pass	5.88	11.30	9.26	8.74	8.53	15.52	17.00
5240MHz	Pass	5.88	10.31	8.52	8.32	8.59	14.87	17.00
5745MHz	Pass	6.94	9.09	8.13	8.16	7.20	14.00	29.06
5785MHz	Pass	6.94	7.14	8.87	8.08	5.72	13.29	29.06
5825MHz	Pass	6.94	9.09	8.22	8.05	8.12	14.22	29.06

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.88	8.98	7.44	7.66	7.95	13.96	17.00
5200MHz	Pass	5.88	9.67	10.09	9.43	9.57	15.56	17.00
5240MHz	Pass	5.88	9.91	9.94	9.47	9.05	15.44	17.00
5745MHz	Pass	6.94	8.64	7.99	7.70	7.62	13.95	29.06
5785MHz	Pass	6.94	8.28	9.14	6.96	6.89	13.58	29.06
5825MHz	Pass	6.94	9.12	8.38	8.68	6.87	14.10	29.06
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.88	4.68	3.34	3.13	4.07	9.71	17.00
5230MHz	Pass	5.88	8.17	6.08	5.91	6.63	12.52	17.00
5755MHz	Pass	6.94	4.83	4.81	4.24	4.17	10.34	29.06
5795MHz	Pass	6.94	6.12	5.68	5.31	4.41	11.35	29.06
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.88	4.82	4.53	3.48	4.15	9.94	17.00
5230MHz	Pass	5.88	7.25	6.00	5.39	6.26	12.18	17.00
5755MHz	Pass	6.94	5.36	5.82	5.13	4.68	11.11	29.06
5795MHz	Pass	6.94	6.05	5.05	4.92	4.82	11.08	29.06
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.88	2.99	1.81	0.17	0.48	7.01	17.00
5775MHz	Pass	6.94	3.01	3.15	2.36	2.95	8.70	29.06
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.88	2.05	1.20	0.14	-0.55	6.57	17.00
5775MHz	Pass	6.94	3.26	2.78	2.22	1.86	8.31	29.06

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)_4TX PSD

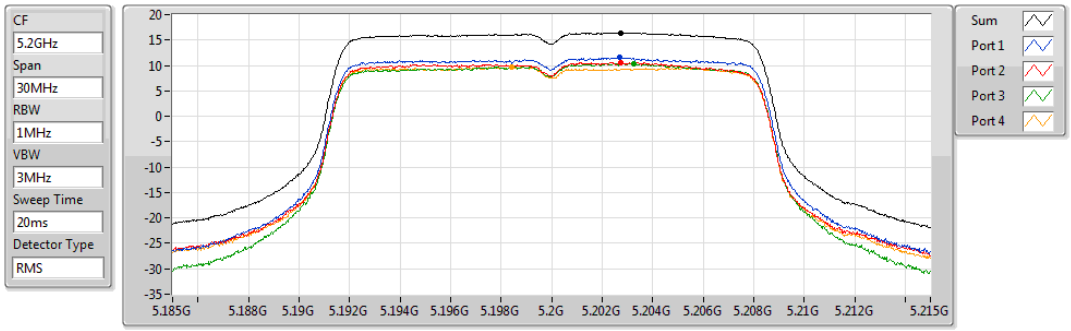
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.84	15.84	10.63	10.08	9.80	9.64

802.11a_Nss1,(6Mbps)_4TX PSD

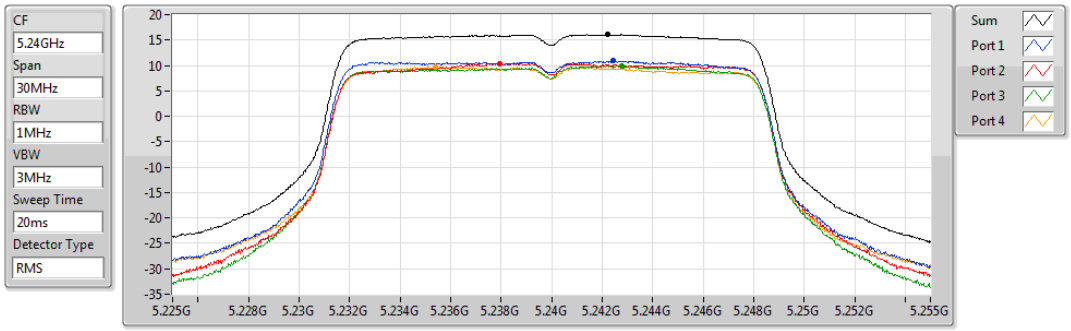
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.45	16.45	11.56	10.60	10.37	9.73

802.11a_Nss1,(6Mbps)_4TX PSD

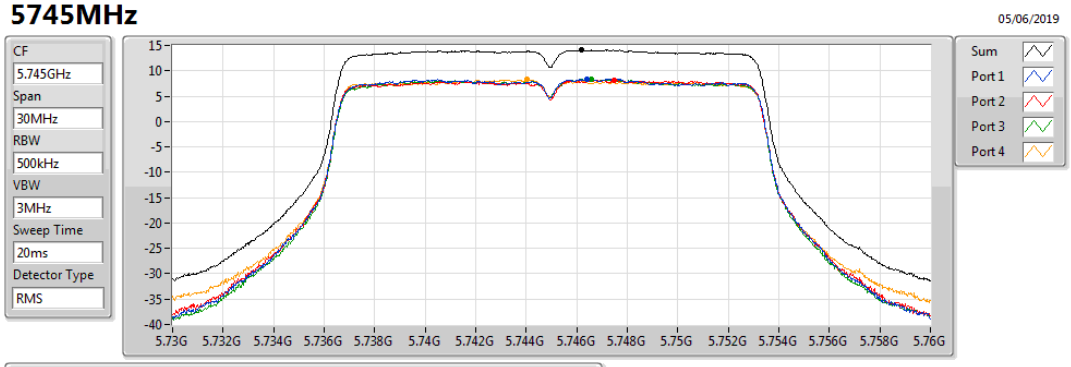
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.09	16.09	10.90	10.39	9.93	9.76

802.11a_Nss1,(6Mbps)_4TX PSD

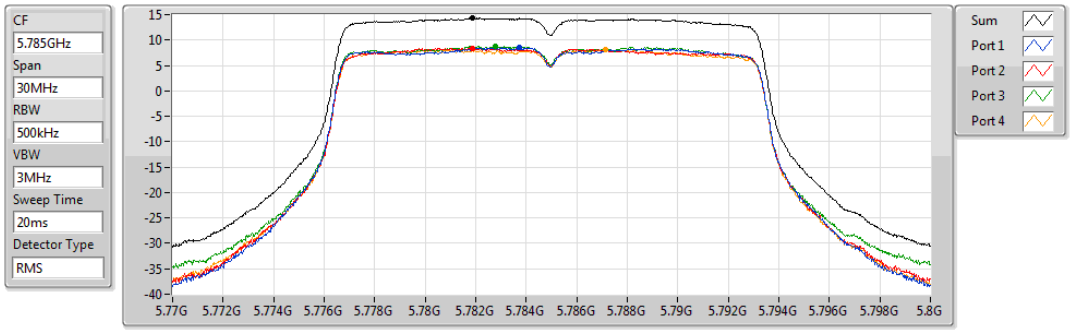
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.09	14.09	8.40	8.22	8.33	8.31

802.11a_Nss1,(6Mbps)_4TX PSD

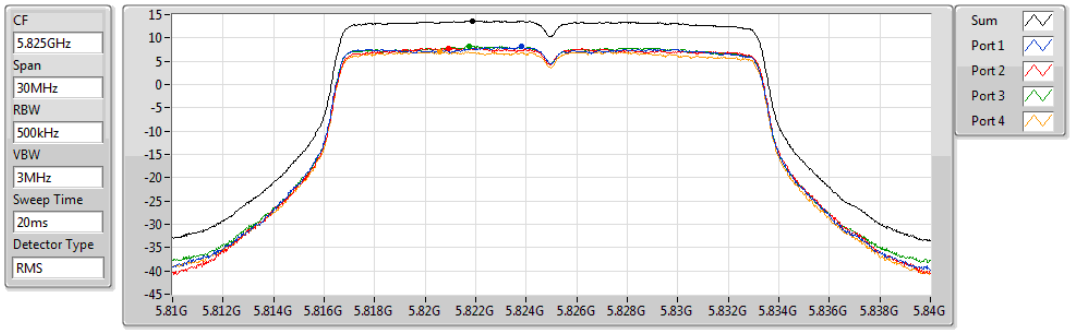
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.34	14.34	8.48	8.42	8.74	8.03

802.11a_Nss1,(6Mbps)_4TX PSD

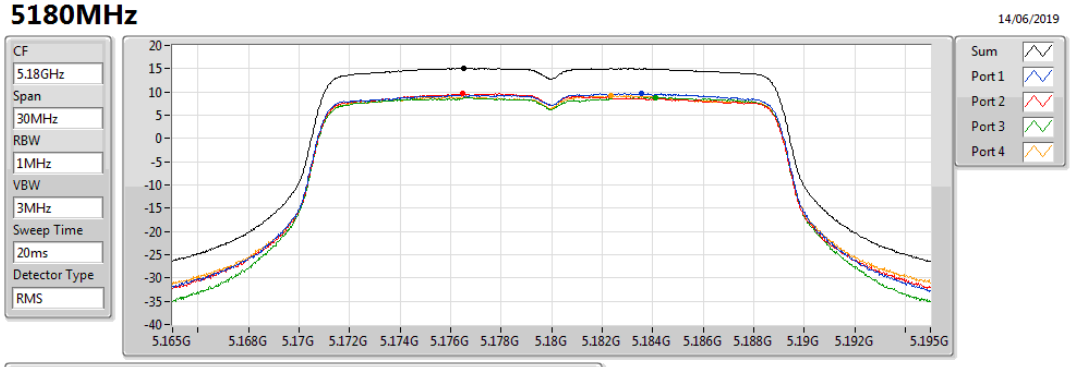
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.65	13.65	8.11	7.77	8.21	7.06

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

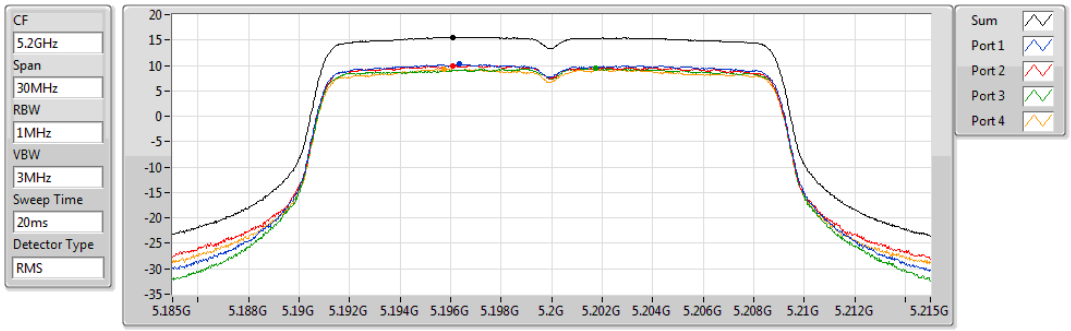
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.10	15.10	9.70	9.68	8.85	9.23

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

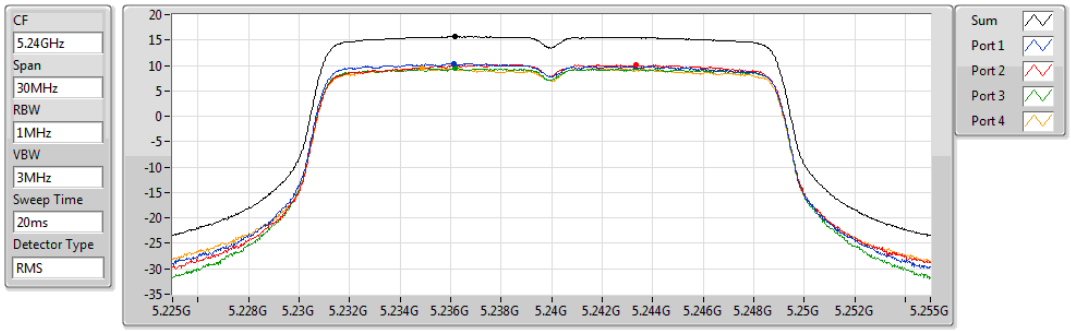
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.59	15.59	10.29	9.99	9.42	9.27

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

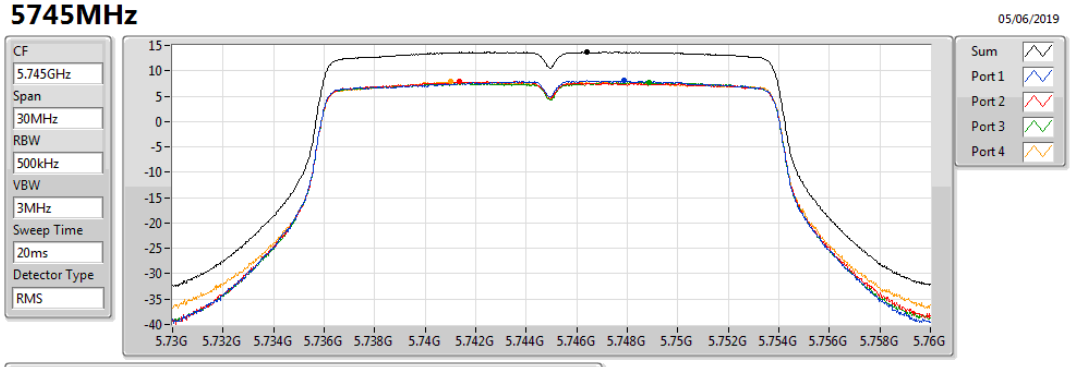
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.76	15.76	10.40	10.20	9.51	9.51

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

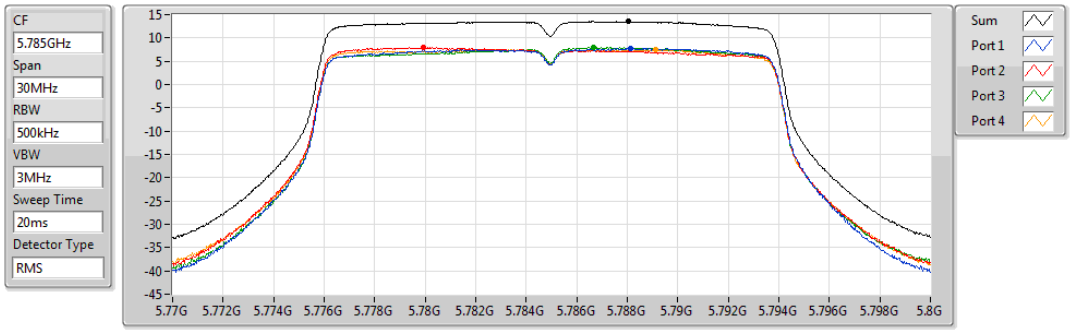
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.70	13.70	8.09	7.89	7.70	7.82

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

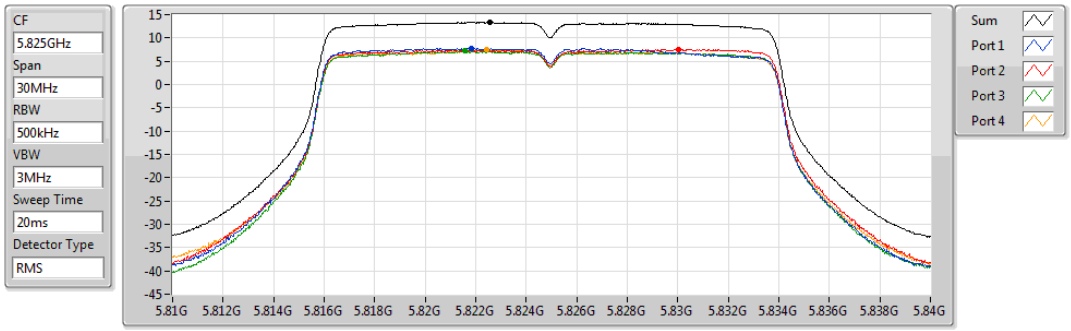
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.56	13.56	7.82	7.92	8.02	7.48

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

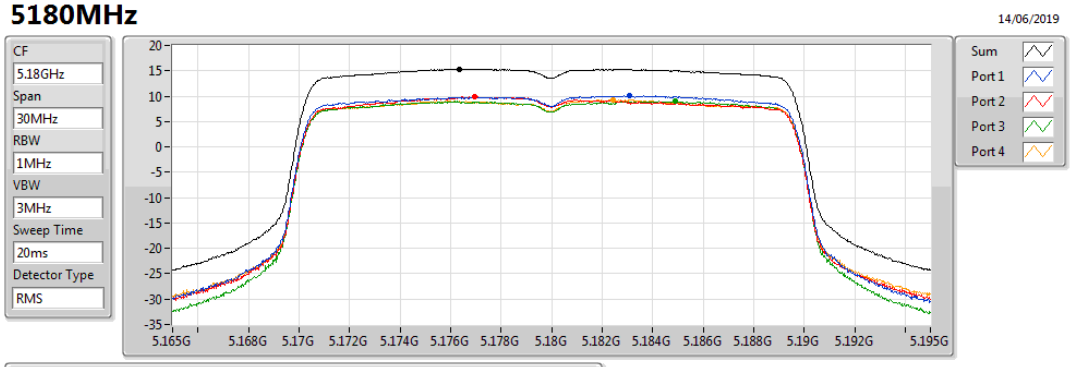
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.30	13.30	7.80	7.58	7.16	7.41

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

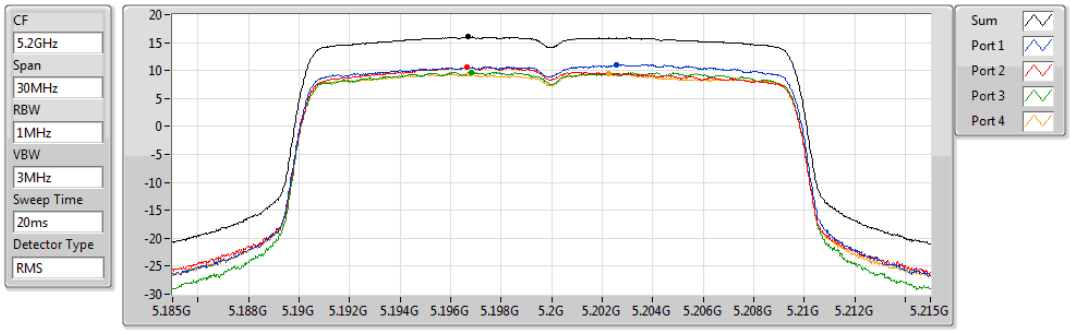
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.35	15.35	10.08	9.87	9.00	9.30

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

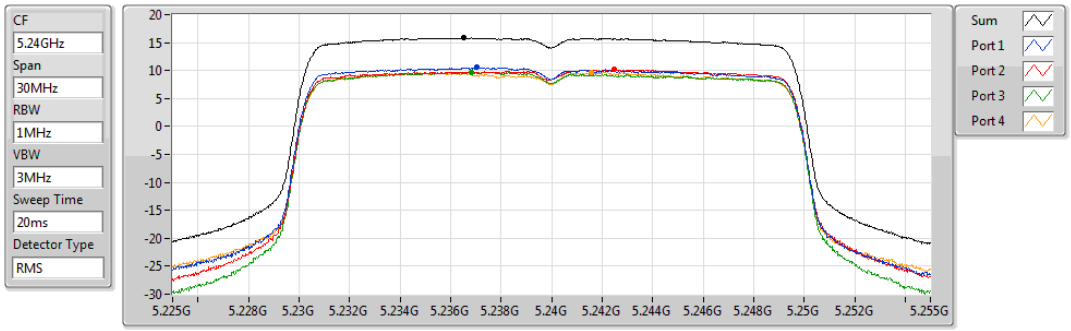
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.03	16.03	11.02	10.54	9.68	9.41

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

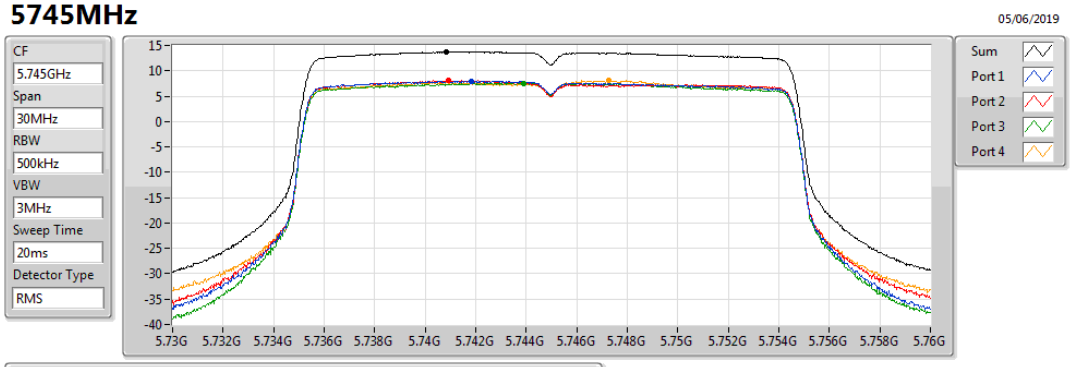
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.83	15.83	10.54	10.21	9.72	9.66

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

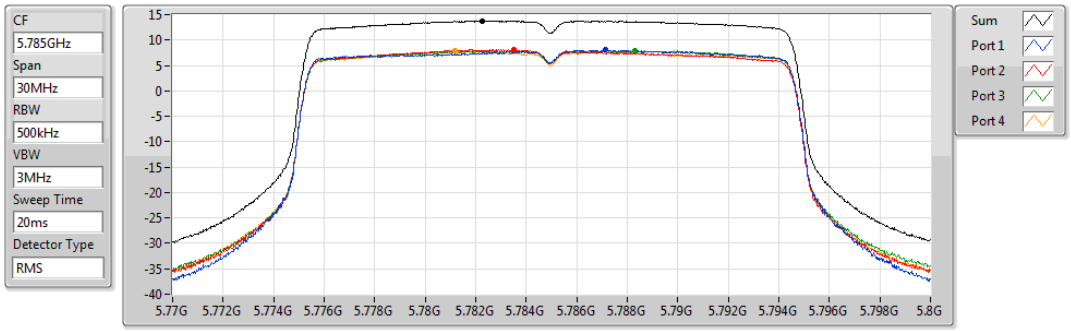
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.71	13.71	7.98	8.05	7.55	8.06

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

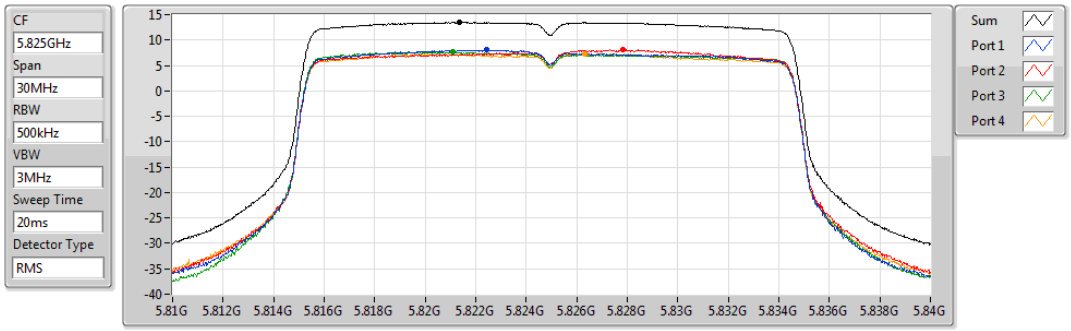
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.73	13.73	8.05	8.16	7.84	7.95

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

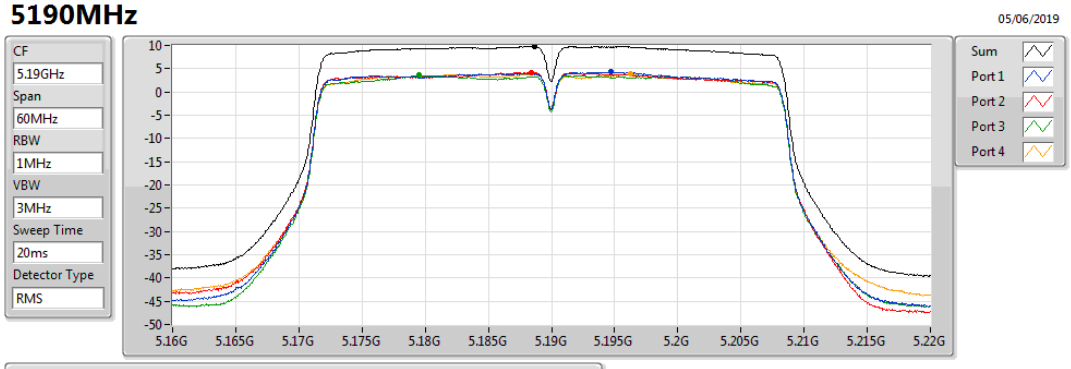
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.46	13.46	8.04	8.05	7.59	7.37

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

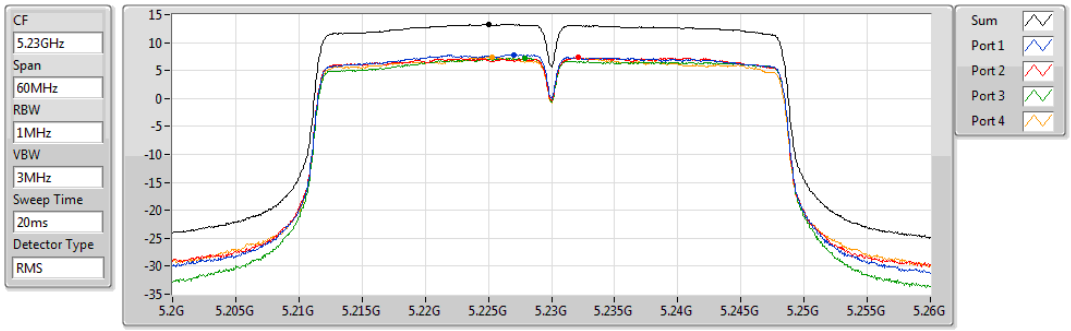
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.79	9.79	4.27	4.23	3.56	3.90

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

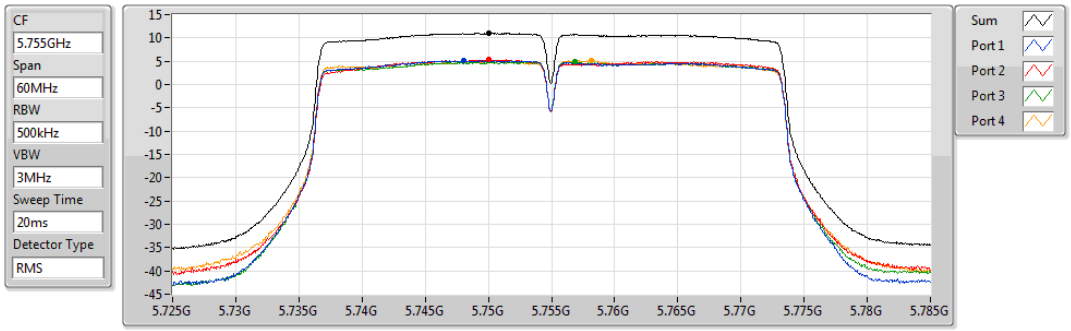
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.25	13.25	7.86	7.32	7.14	7.41

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

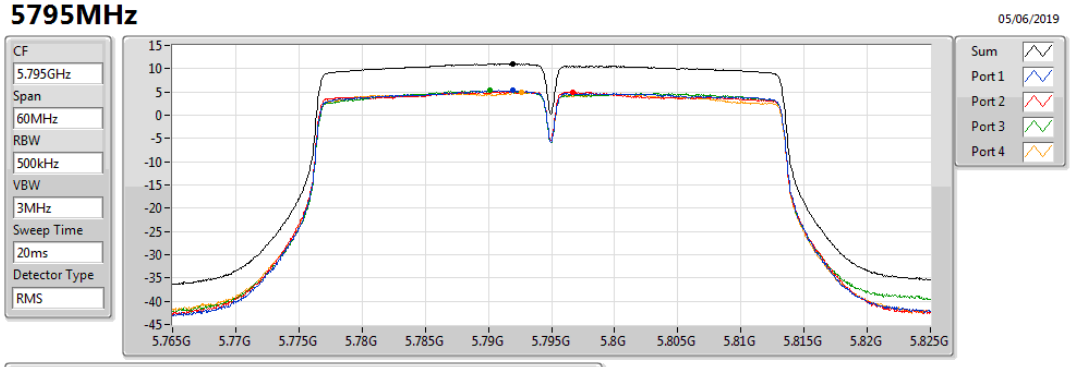
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.99	10.99	5.16	5.33	4.85	5.23

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

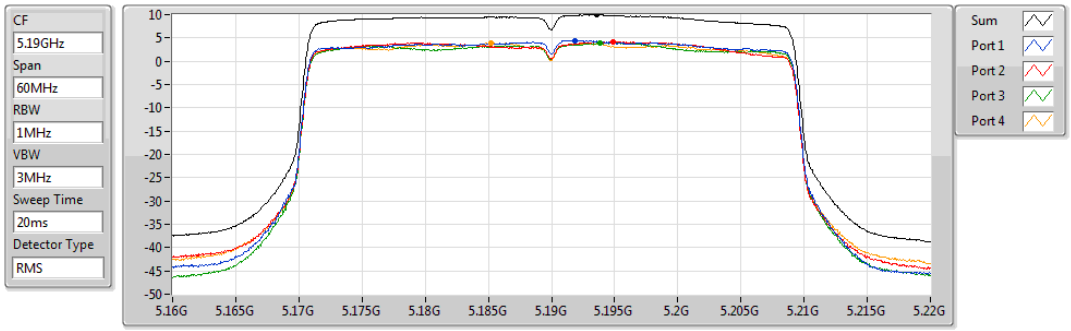
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.02	11.02	5.32	4.98	5.29	4.88

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

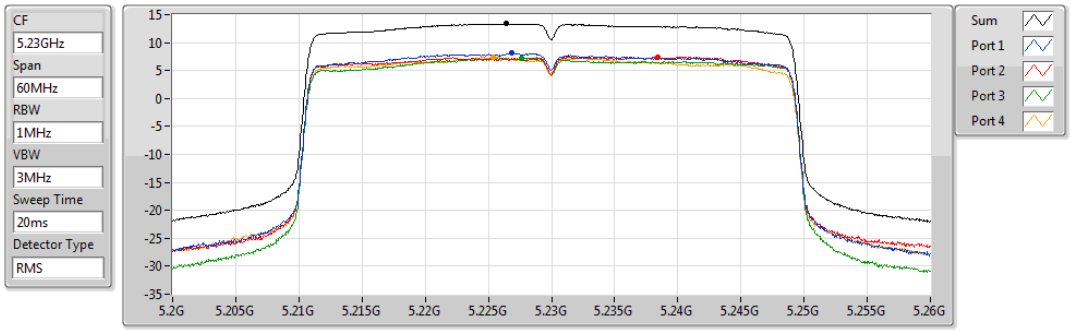
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.00	10.00	4.48	4.21	3.96	3.83

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

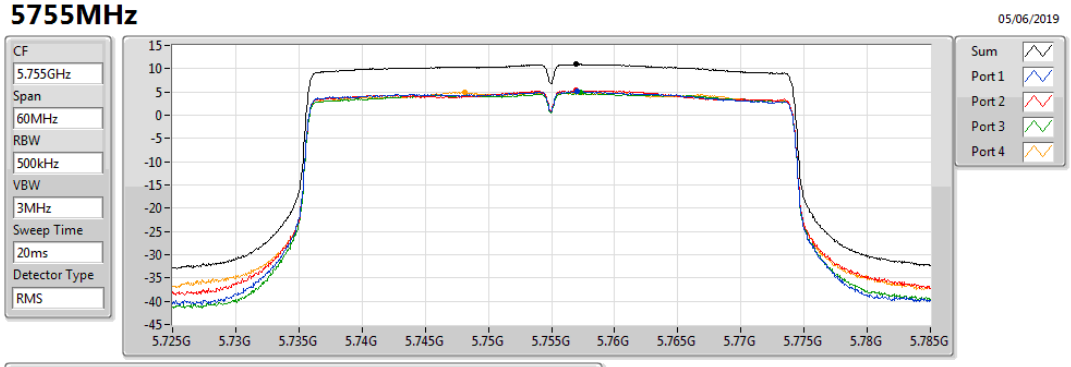
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.35	13.35	8.07	7.45	7.28	7.39

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

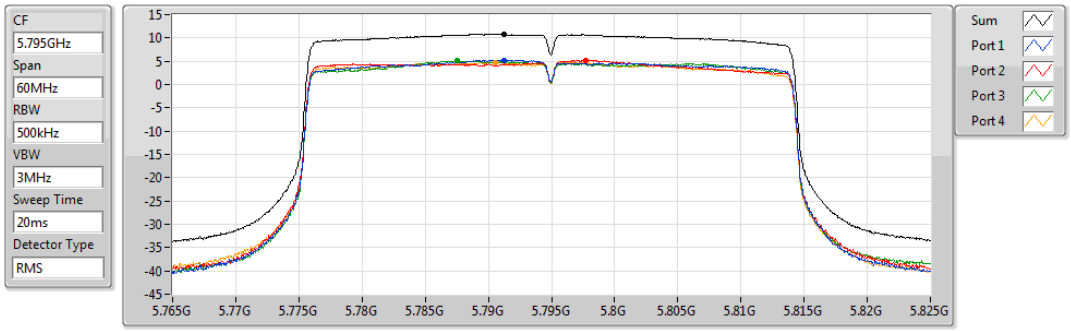
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.97	10.97	5.16	5.34	4.82	4.91

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

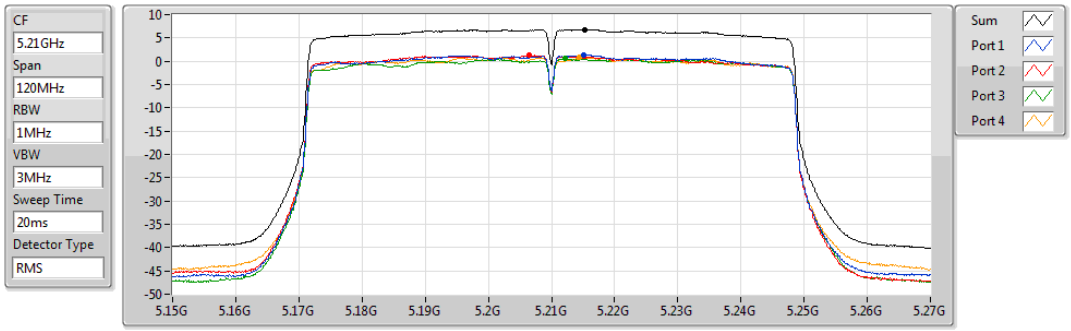
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.77	10.77	5.24	5.17	5.06	4.76

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

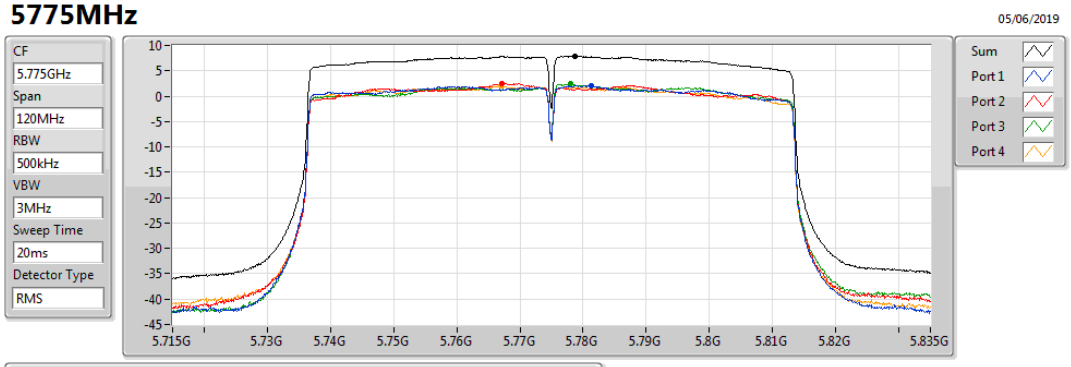
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.81	6.81	1.36	1.24	0.60	0.80

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

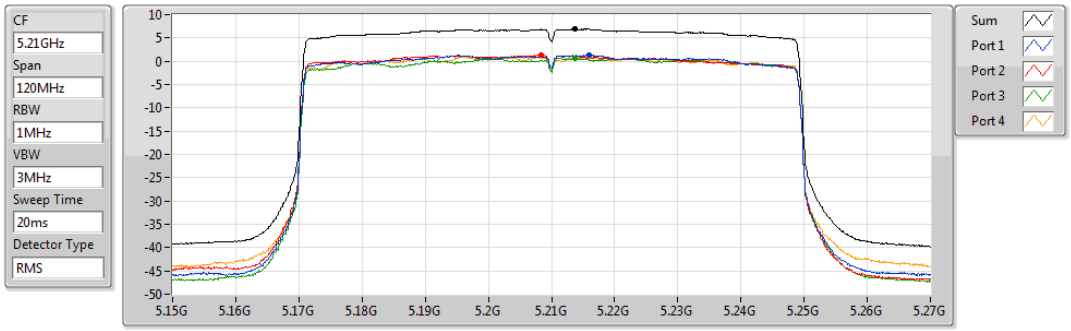
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.84	7.84	2.10	2.55	2.40	1.97

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

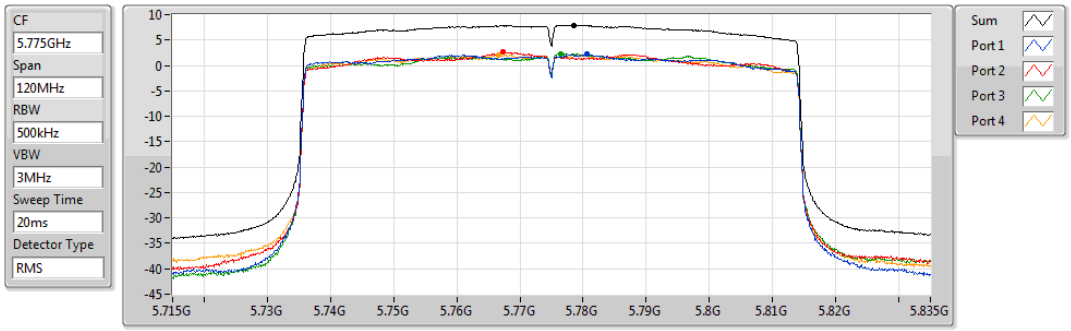
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.89	6.89	1.38	1.41	0.59	1.02

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

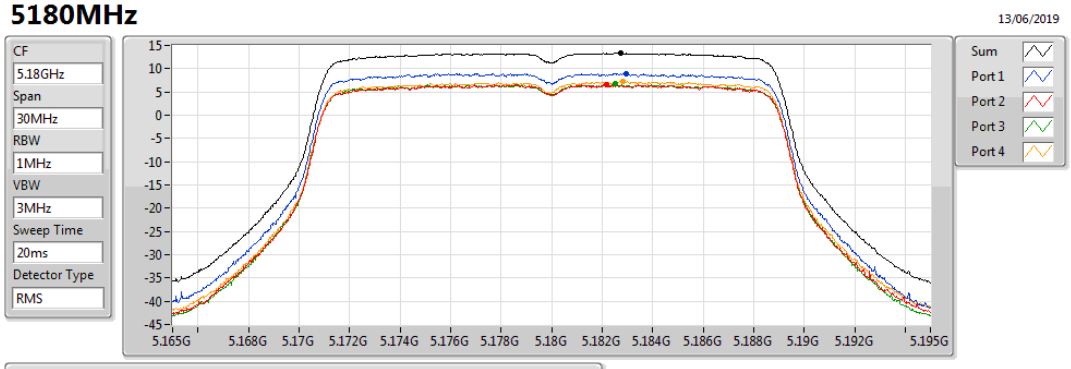
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.90	7.90	2.16	2.60	2.37	2.10

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

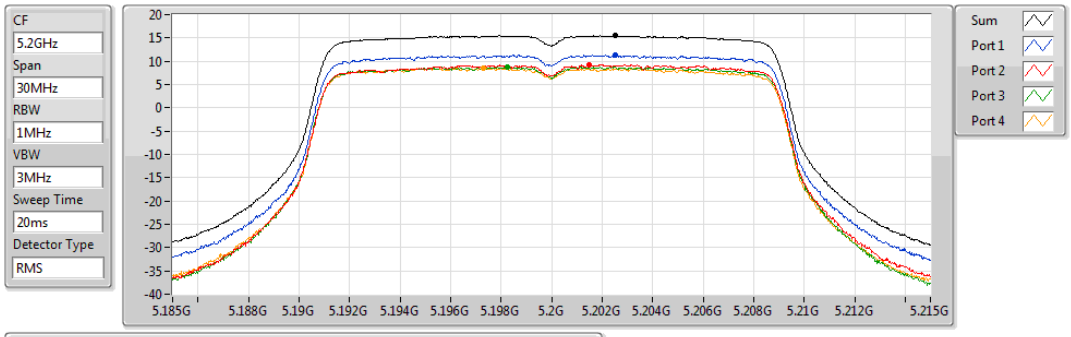
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.34	13.34	8.93	6.53	6.68	7.27

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

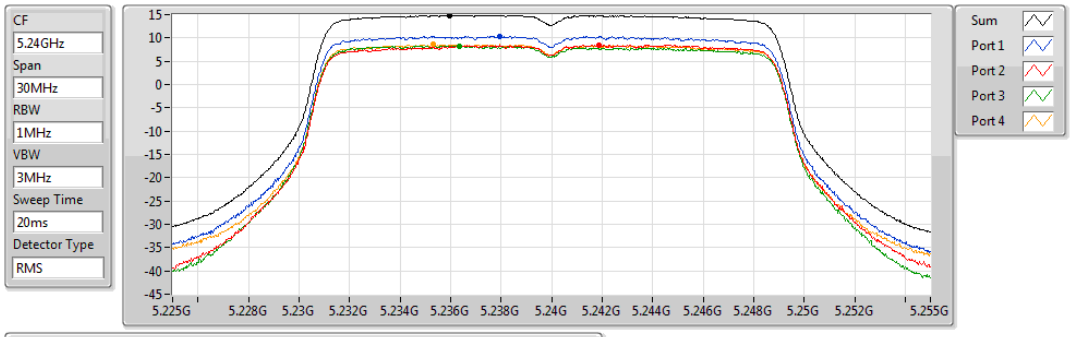
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.52	15.52	11.30	9.26	8.74	8.53

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

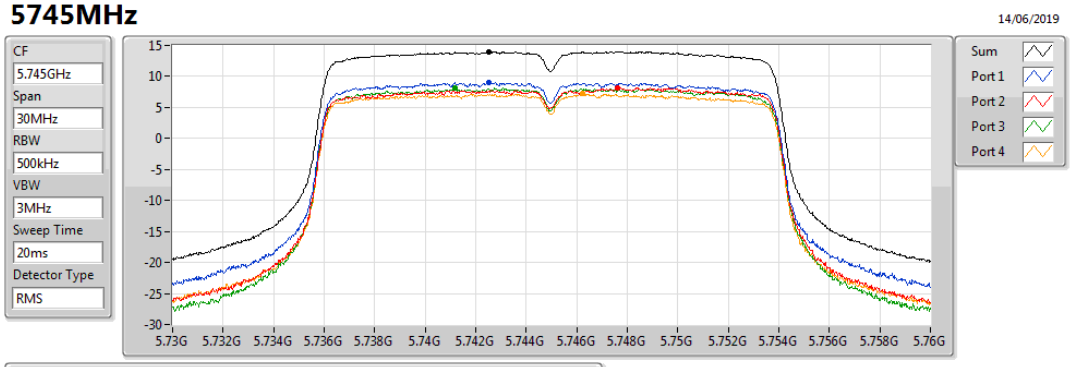
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.87	14.87	10.31	8.52	8.32	8.59

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

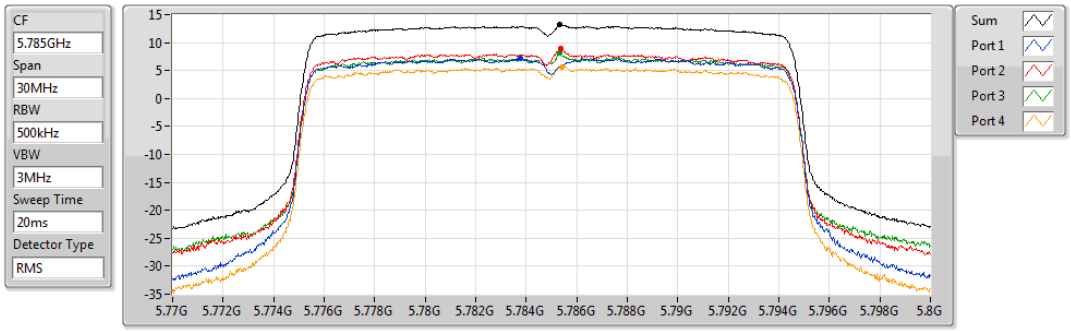
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.00	14.00	9.09	8.13	8.16	7.20

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

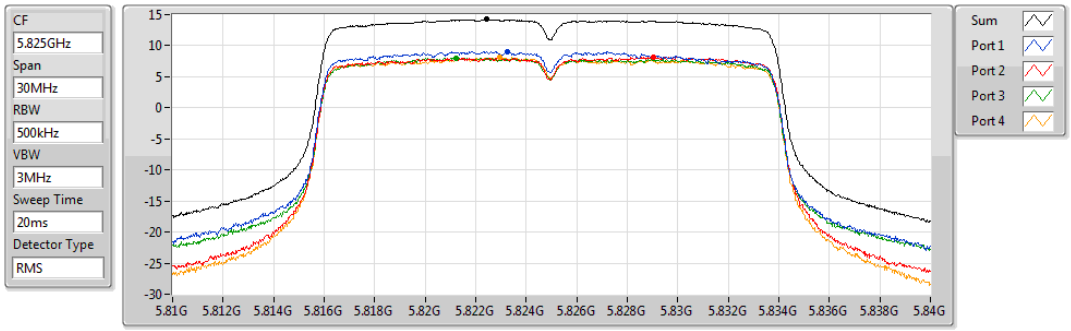
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.29	13.29	7.14	8.87	8.08	5.72

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

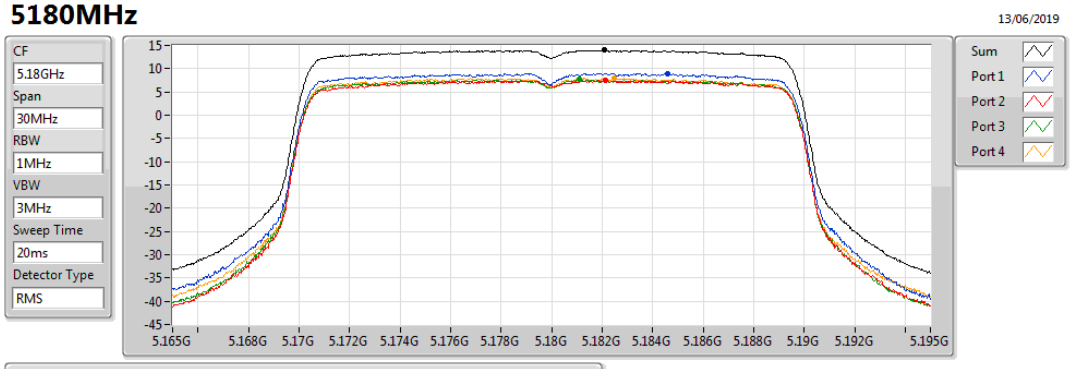
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.22	14.22	9.09	8.22	8.05	8.12

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

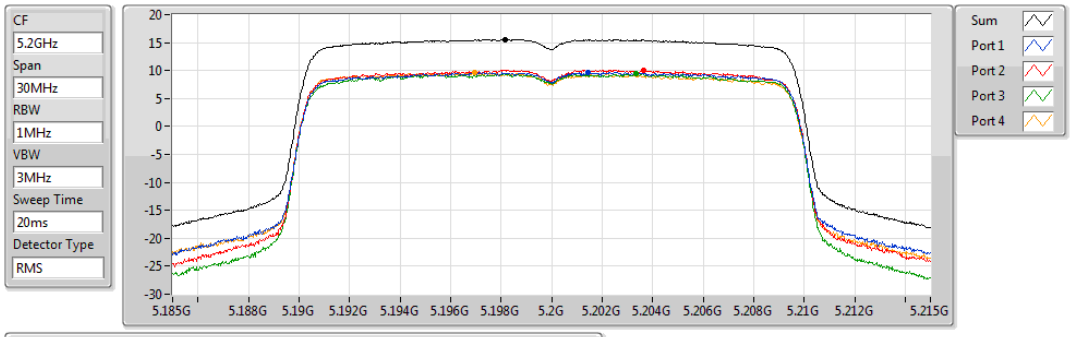
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.96	13.96	8.98	7.44	7.66	7.95

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

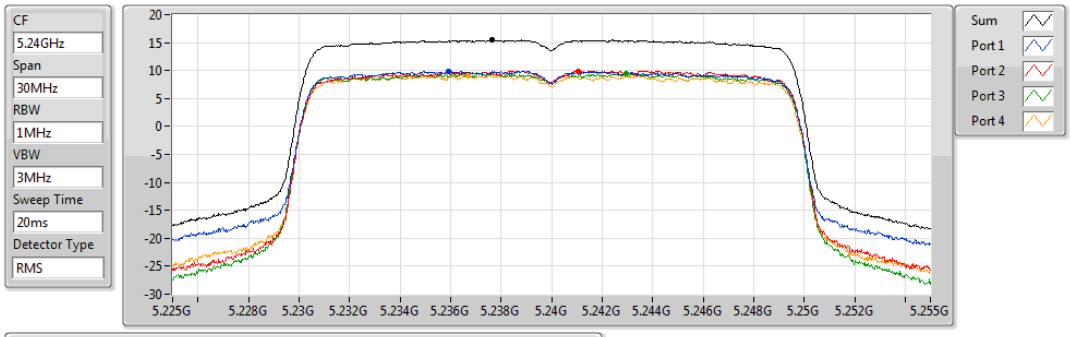
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.56	15.56	9.67	10.09	9.43	9.57

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

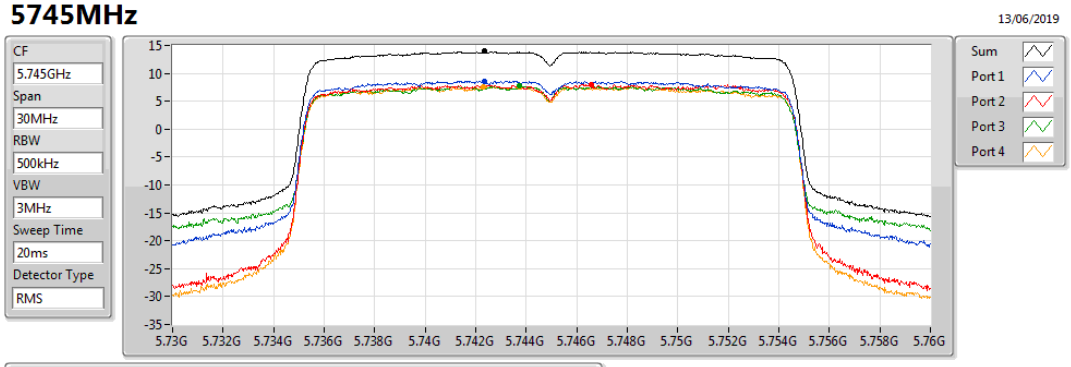
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.44	15.44	9.91	9.94	9.47	9.05

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

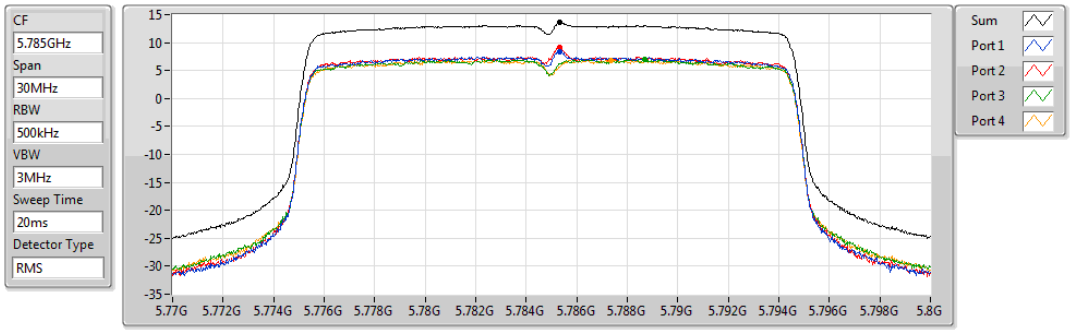
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.95	13.95	8.64	7.99	7.70	7.62

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

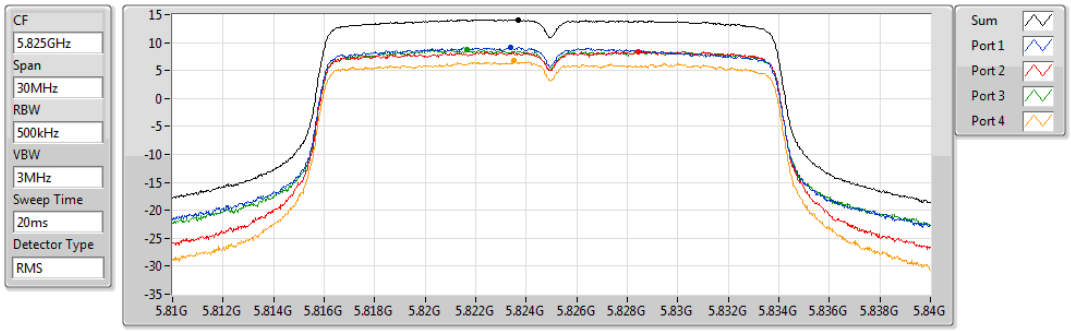
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.58	13.58	8.28	9.14	6.96	6.89

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

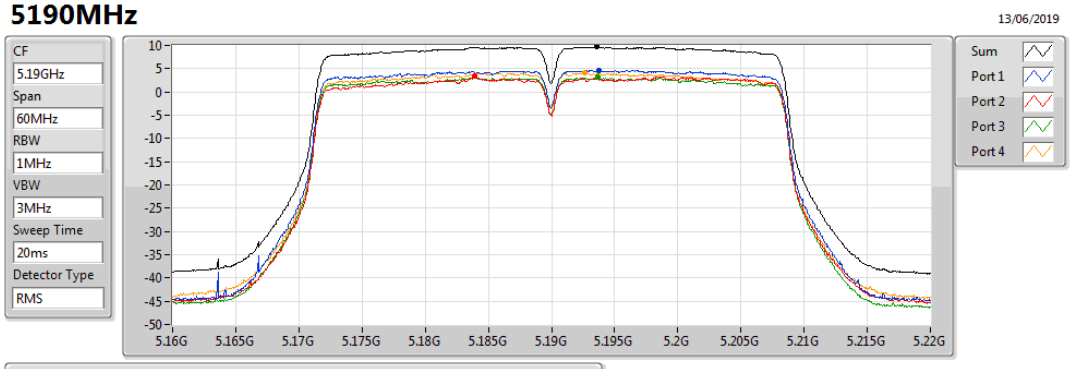
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.10	14.10	9.12	8.38	8.68	6.87

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

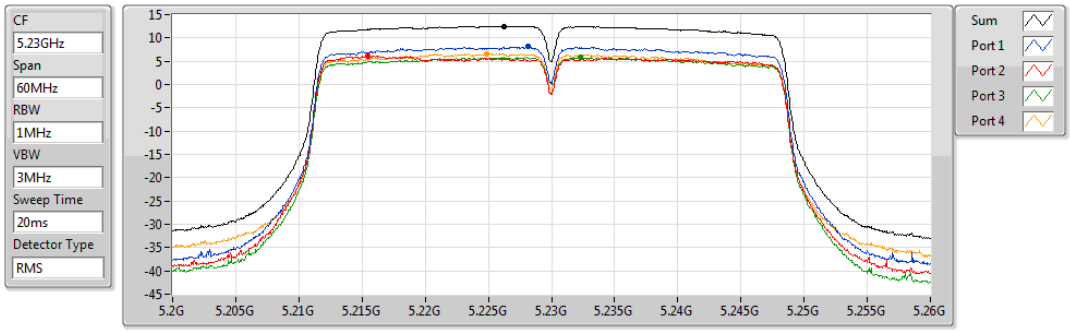
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.71	9.71	4.68	3.34	3.13	4.07

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

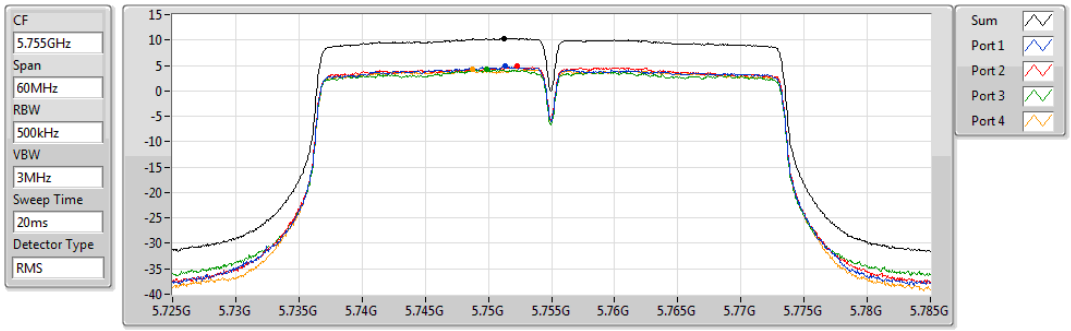
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.52	12.52	8.17	6.08	5.91	6.63

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

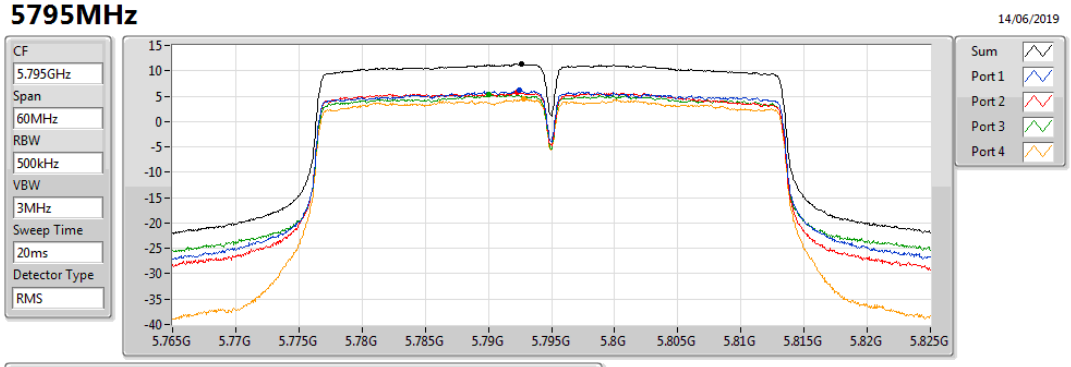
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.34	10.34	4.83	4.81	4.24	4.17

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

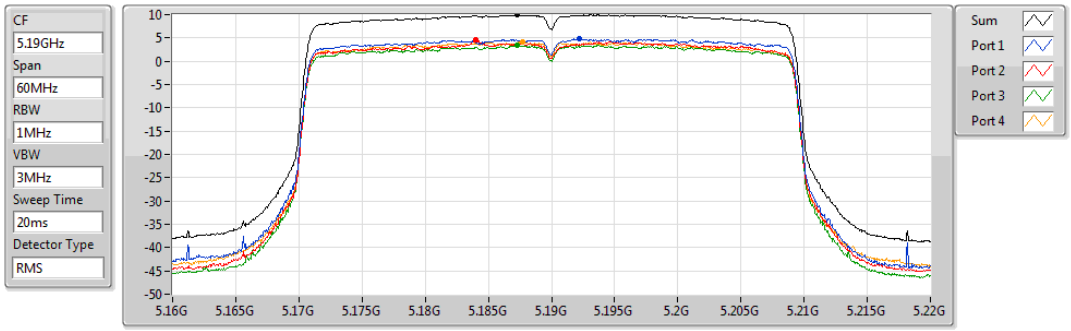
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.35	11.35	6.12	5.68	5.31	4.41

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

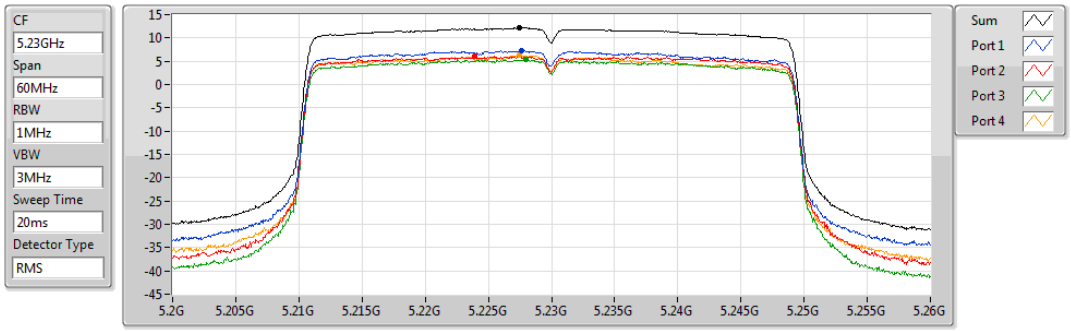
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.94	9.94	4.82	4.53	3.48	4.15

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

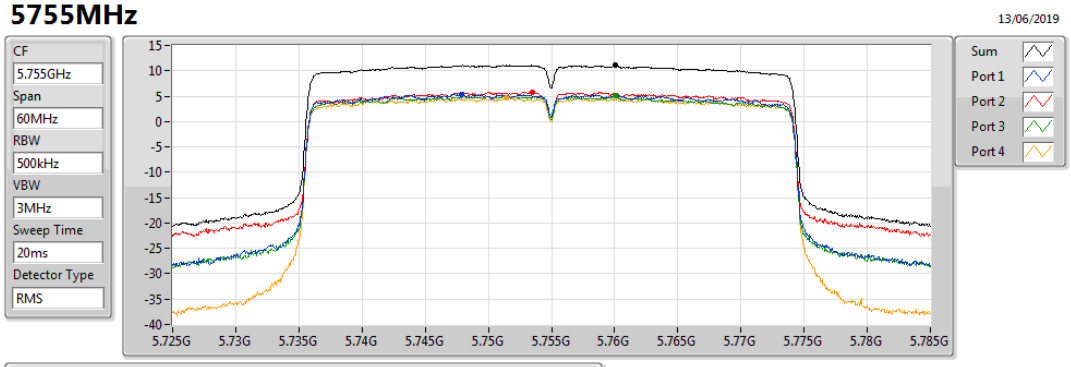
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.18	12.18	7.25	6.00	5.39	6.26

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

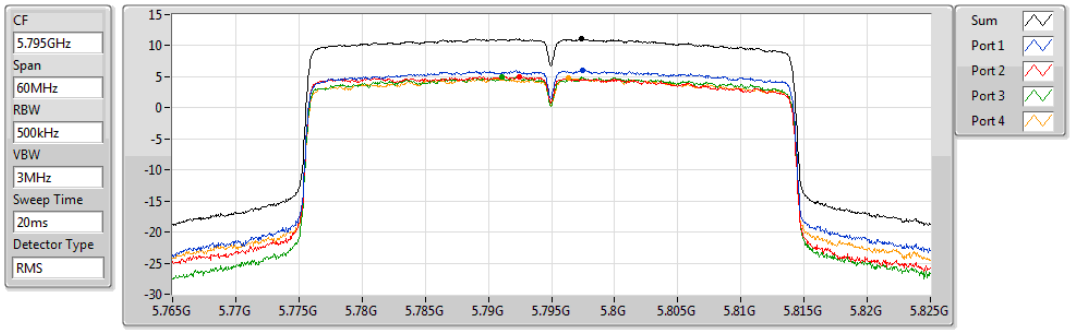
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.11	11.11	5.36	5.82	5.13	4.68

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

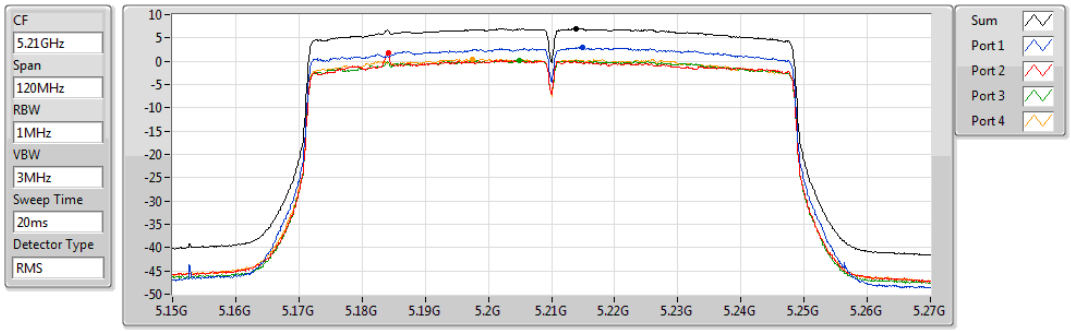
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.08	11.08	6.05	5.05	4.92	4.82

802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

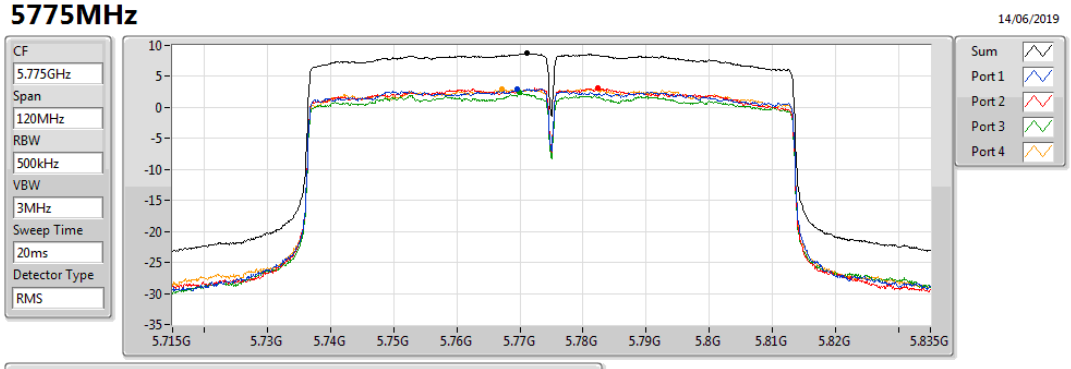
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.01	7.01	2.99	1.81	0.17	0.48

802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

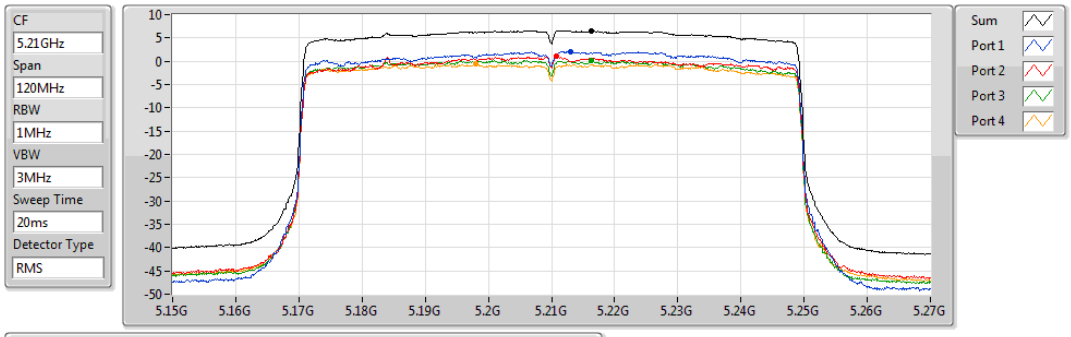
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.70	8.70	3.01	3.15	2.36	2.95

802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

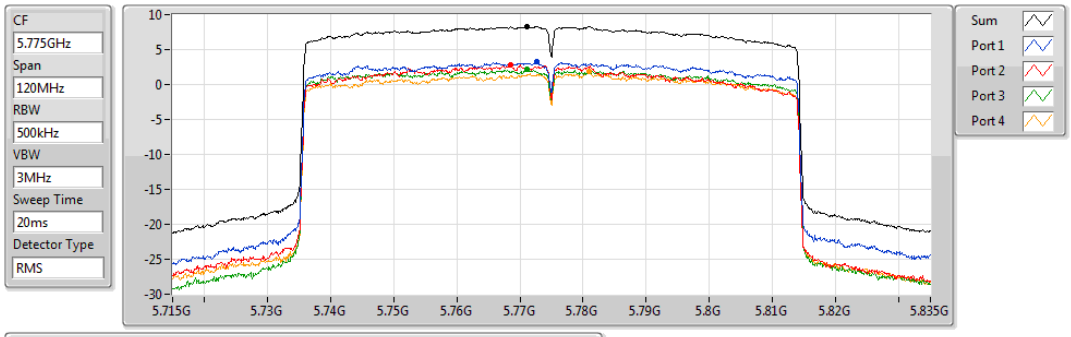
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.57	6.57	2.05	1.20	0.14	-0.55

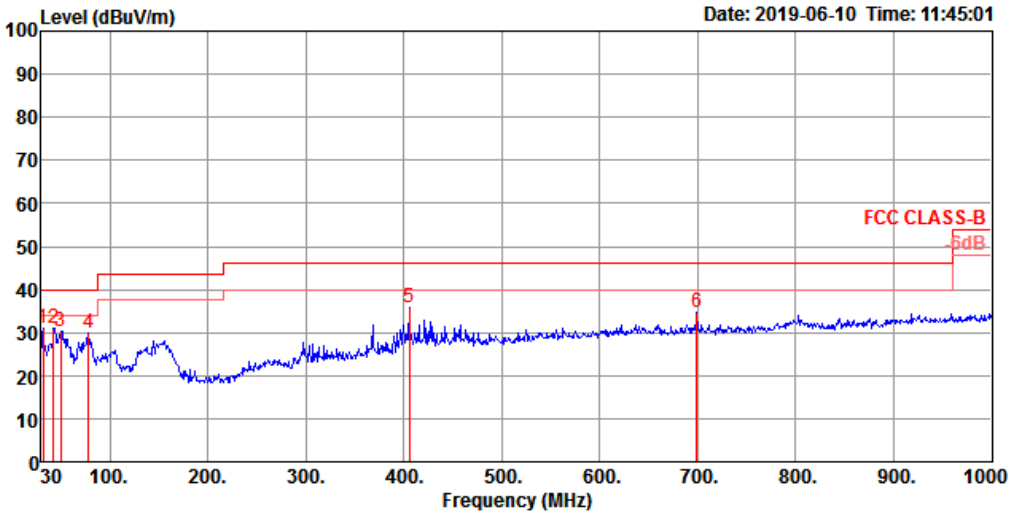
802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.31	8.31	3.26	2.78	2.22	1.86

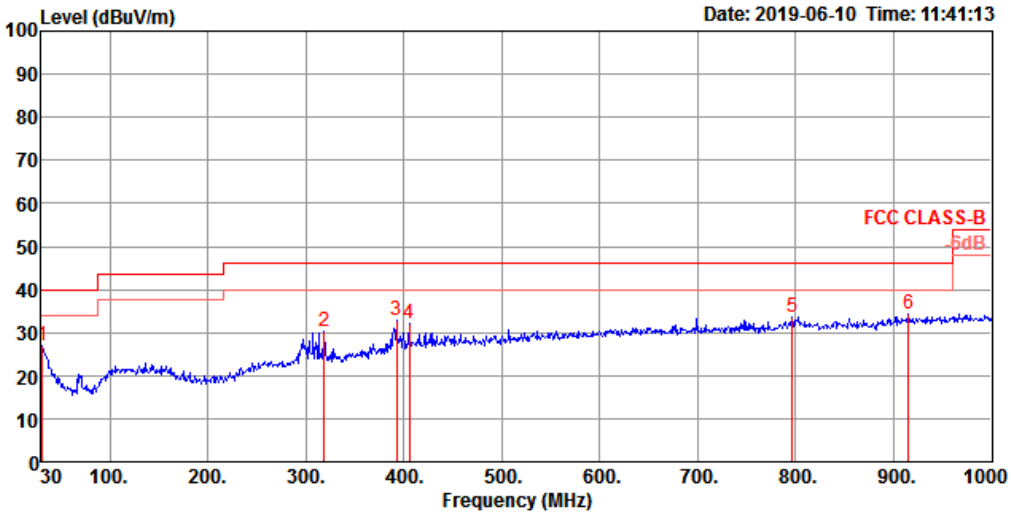
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	31.94	30.96	40.00	-9.04	39.71	0.52	22.93	32.20	100	295	Peak	VERTICAL
2	42.61	31.09	40.00	-8.91	45.68	0.64	16.98	32.21	100	0	Peak	VERTICAL
3	49.40	30.29	40.00	-9.71	47.87	0.72	13.88	32.18	125	351	Peak	VERTICAL
4	78.50	29.96	40.00	-10.04	48.79	0.89	12.41	32.13	150	248	Peak	VERTICAL
5	405.39	35.94	46.00	-10.06	43.93	2.17	21.91	32.07	125	174	Peak	VERTICAL
6	699.30	34.77	46.00	-11.23	38.71	2.85	25.10	31.89	200	206	Peak	VERTICAL

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

RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.97	26.92	40.00	-13.08	35.09	0.51	23.51	32.19	200	190	Peak	HORIZONTAL
2	319.06	30.22	46.00	-15.78	40.83	1.92	19.45	31.98	100	232	Peak	HORIZONTAL
3	392.78	32.81	46.00	-13.19	41.40	2.13	21.34	32.06	100	8	Peak	HORIZONTAL
4	405.39	32.23	46.00	-13.77	40.22	2.17	21.91	32.07	200	116	Peak	HORIZONTAL
5	796.30	33.73	46.00	-12.27	36.15	3.07	26.18	31.67	100	101	Peak	HORIZONTAL
6	915.61	34.41	46.00	-11.59	35.75	3.16	26.57	31.07	100	139	Peak	HORIZONTAL

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

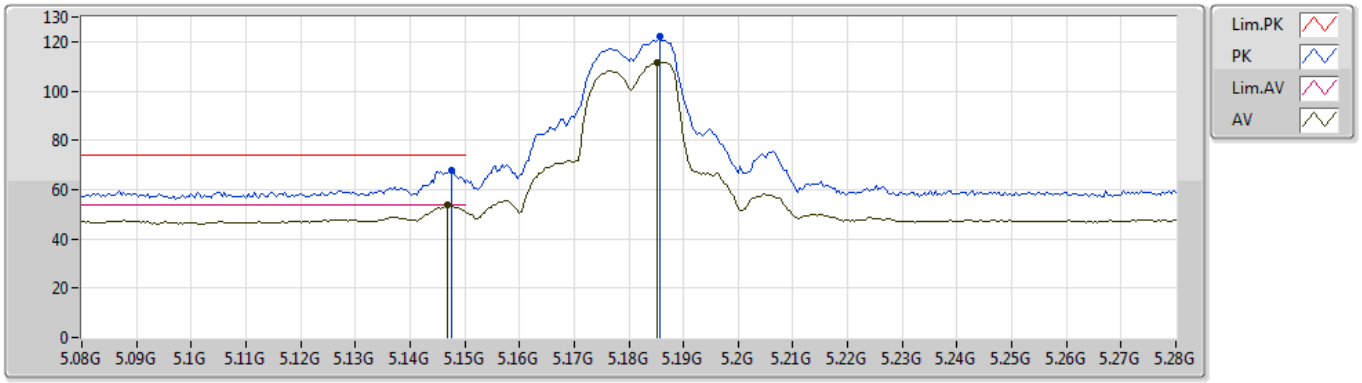
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	11.64984G	53.98	54.00	-0.02	15.09	3	Horizontal	127	1.18	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

01/06/2019



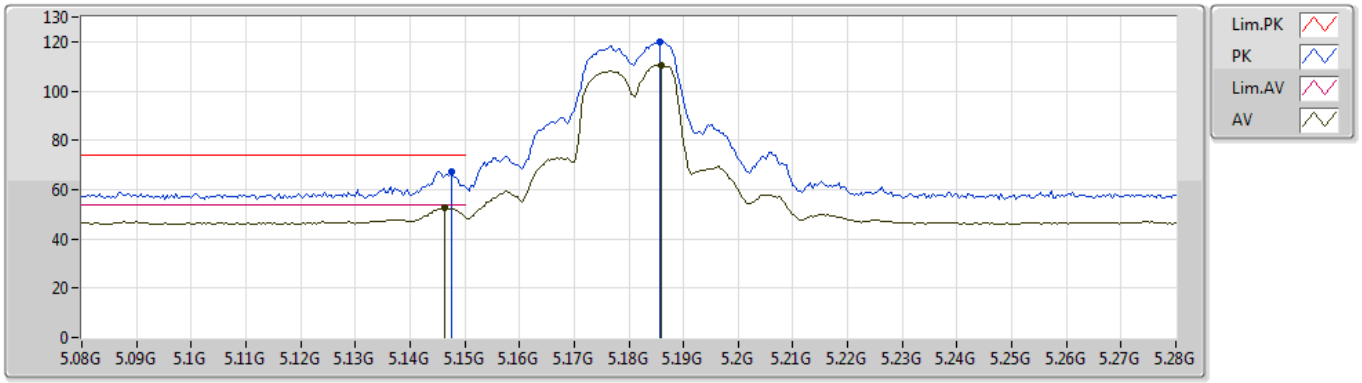
EUT Z_4TX
Setting 23
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1476G	68.01	74.00	-5.99	7.94	3	Vertical	209	1.05	-
AV	5.1468G	53.79	54.00	-0.21	7.94	3	Vertical	209	1.05	-
PK	5.1856G	121.92	Inf	-Inf	8.03	3	Vertical	209	1.05	-
AV	5.1852G	111.72	Inf	-Inf	8.03	3	Vertical	209	1.05	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

01/06/2019



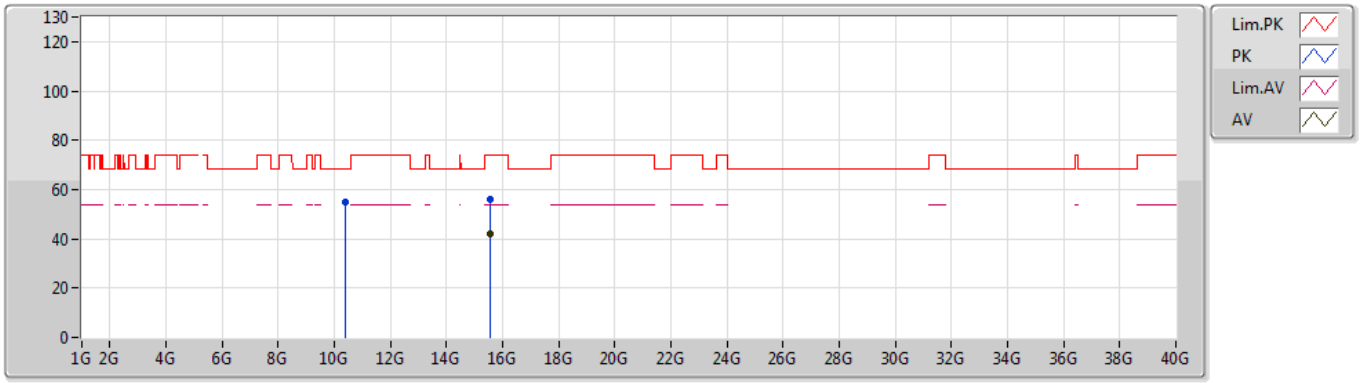
EUT Z_4TX
Setting 23
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1476G	67.21	74.00	-6.79	7.94	3	Horizontal	236	1.58	-
AV	5.1464G	52.78	54.00	-1.22	7.94	3	Horizontal	236	1.58	-
PK	5.1856G	120.16	Inf	-Inf	8.03	3	Horizontal	236	1.58	-
AV	5.186G	110.54	Inf	-Inf	8.03	3	Horizontal	236	1.58	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

01/06/2019



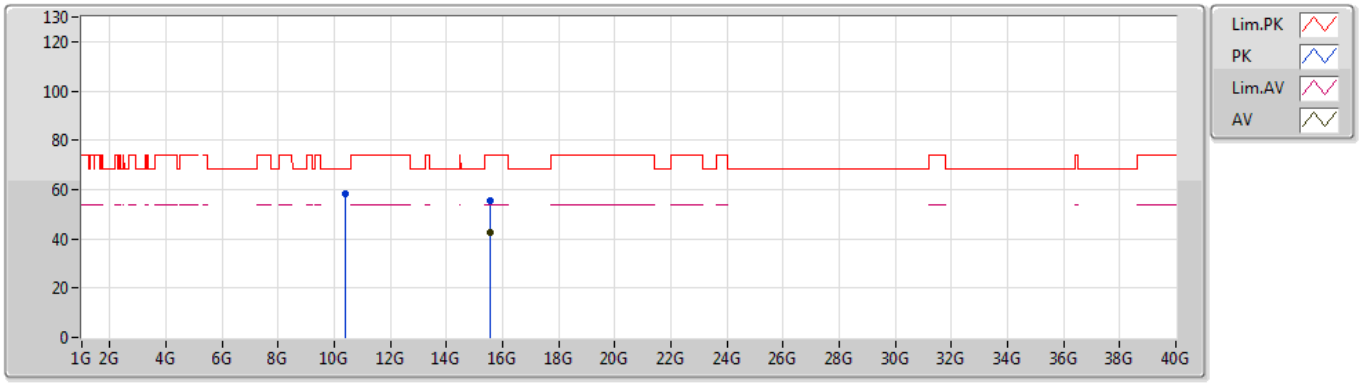
EUT Z_4TX
Setting 23
02-N-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.3702G	54.73	68.20	-13.47	14.66	3	Vertical	136	1.95	-
PK	15.53932G	55.90	74.00	-18.10	16.08	3	Vertical	138	1.48	-
AV	15.53992G	42.09	54.00	-11.91	16.07	3	Vertical	138	1.48	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

01/06/2019



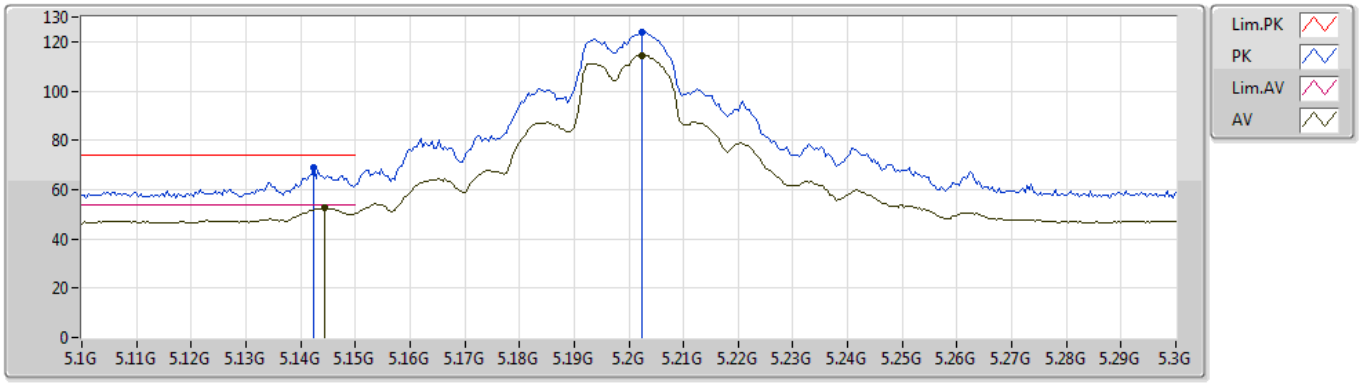
EUT Z_4TX
Setting 23
02-N-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.37G	58.30	68.20	-9.90	14.66	3	Horizontal	115	2.10	-
PK	15.54428G	55.31	74.00	-18.69	16.06	3	Horizontal	39	2.45	-
AV	15.54176G	42.49	54.00	-11.51	16.07	3	Horizontal	39	2.45	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

01/06/2019



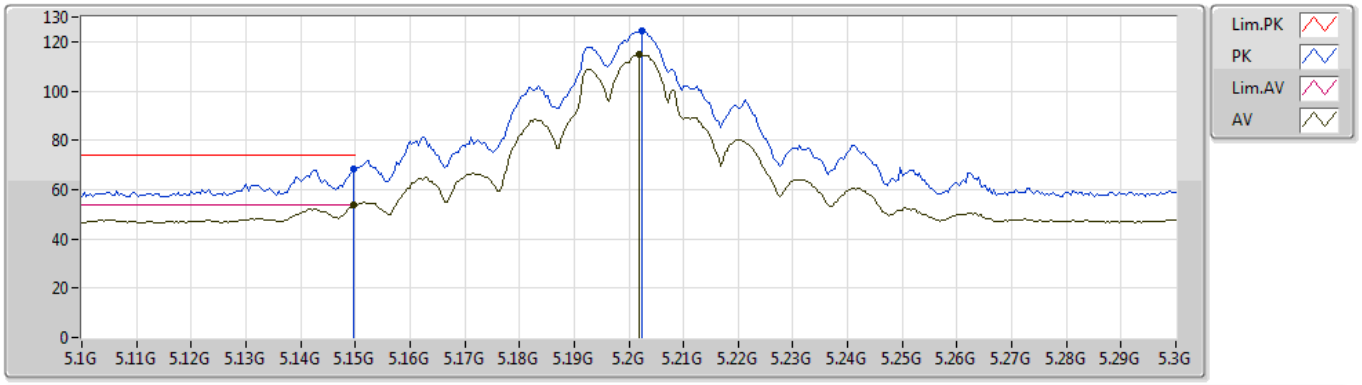
EUT Z_4TX
Setting 27
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1424G	68.76	74.00	-5.24	7.94	3	Vertical	165	1.12	-
AV	5.1444G	52.61	54.00	-1.39	7.94	3	Vertical	165	1.12	-
PK	5.2024G	124.07	Inf	-Inf	8.06	3	Vertical	165	1.12	-
AV	5.2024G	114.38	Inf	-Inf	8.06	3	Vertical	165	1.12	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

01/06/2019



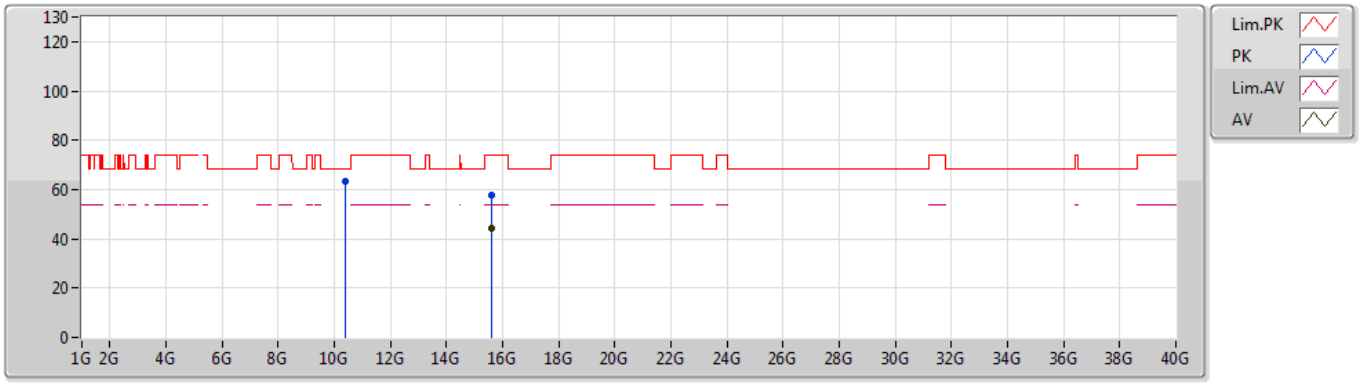
EUT Z_4TX
Setting 27
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1496G	68.16	74.00	-5.84	7.94	3	Horizontal	217	1.50	-
AV	5.1496G	53.87	54.00	-0.13	7.94	3	Horizontal	217	1.50	-
PK	5.2024G	124.33	Inf	-Inf	8.06	3	Horizontal	217	1.50	-
AV	5.202G	114.69	Inf	-Inf	8.06	3	Horizontal	217	1.50	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

01/06/2019



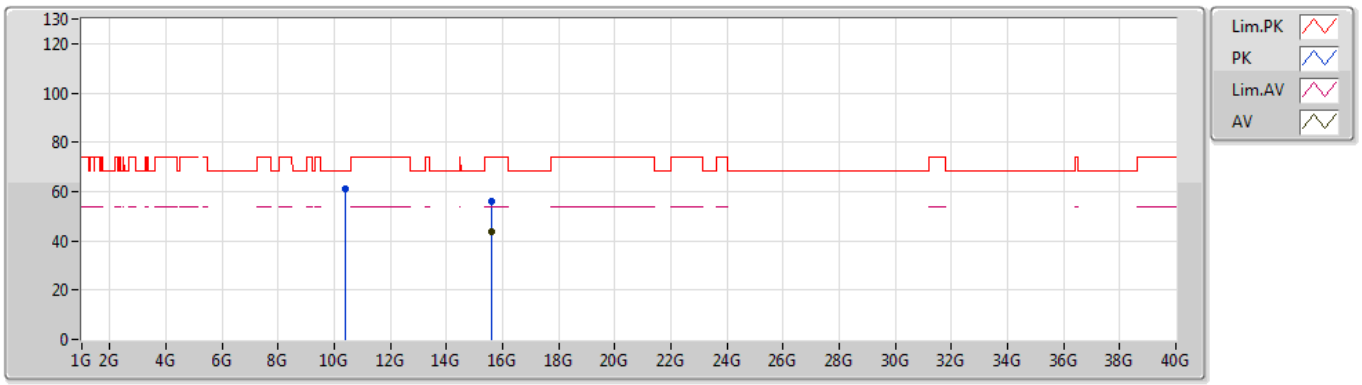
EUT Z_4TX
Setting 27
02-N-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4072G	63.15	68.20	-5.05	14.63	3	Vertical	86	2.02	-
PK	15.5994G	57.64	74.00	-16.36	15.91	3	Vertical	164	1.79	-
AV	15.5983G	44.37	54.00	-9.63	15.91	3	Vertical	164	1.79	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

01/06/2019



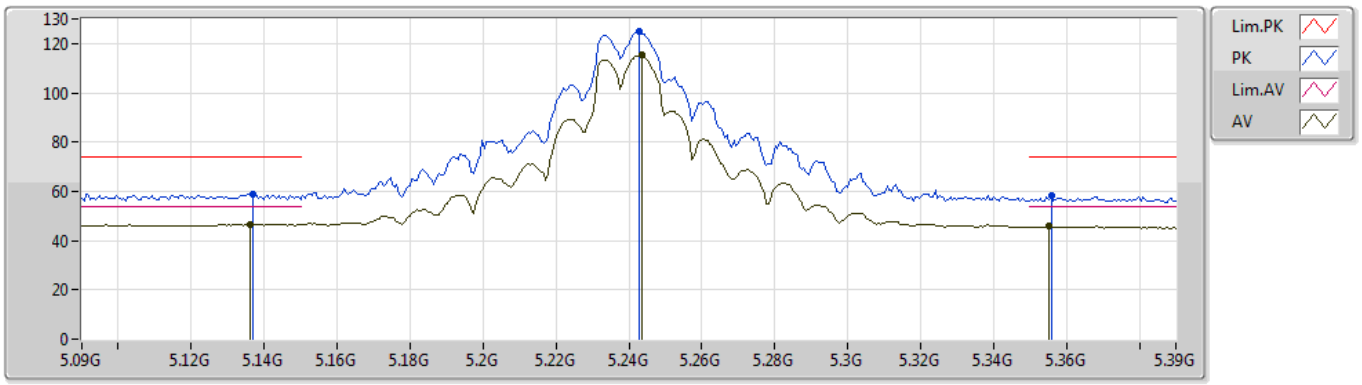
EUT Z_4TX
Setting 27
02-N-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4003G	61.30	68.20	-6.90	14.64	3	Horizontal	65	3.00	-
PK	15.5947G	55.77	74.00	-18.23	15.93	3	Horizontal	161	2.57	-
AV	15.5954G	43.43	54.00	-10.57	15.92	3	Horizontal	161	2.57	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

01/06/2019



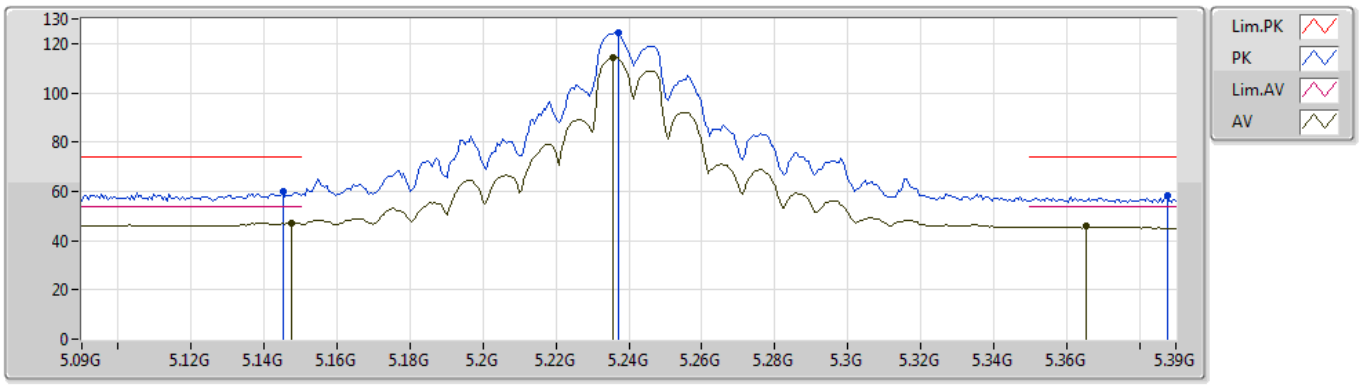
EUT Z_4TX
Setting 31
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1368G	58.92	74.00	-15.08	7.92	3	Vertical	155	1.35	-
AV	5.1362G	46.74	54.00	-7.26	7.92	3	Vertical	155	1.35	-
PK	5.243G	124.97	Inf	-Inf	8.12	3	Vertical	155	1.35	-
AV	5.2436G	115.27	Inf	-Inf	8.12	3	Vertical	155	1.35	-
PK	5.3558G	58.23	74.00	-15.77	8.28	3	Vertical	155	1.35	-
AV	5.3552G	45.69	54.00	-8.31	8.28	3	Vertical	155	1.35	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

01/06/2019



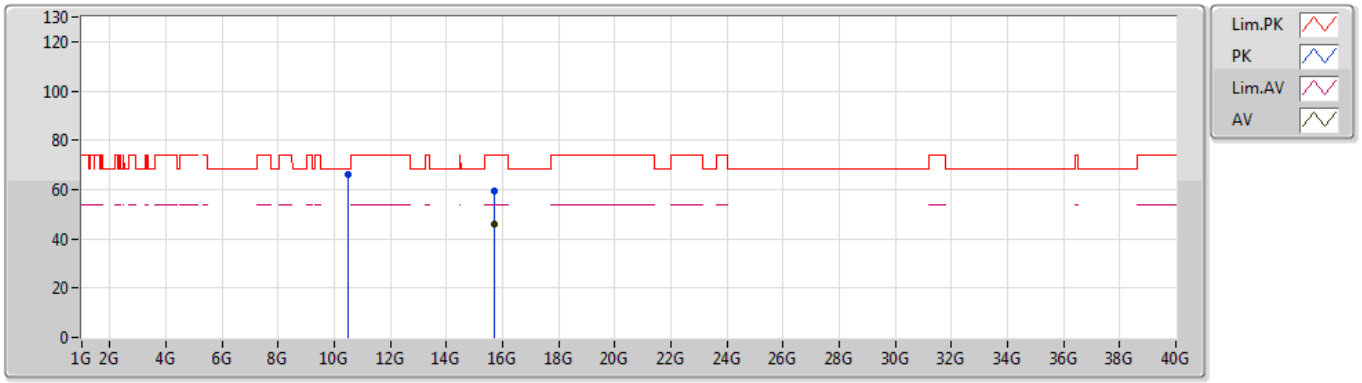
EUT Z_4TX
Setting 31
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1452G	59.69	74.00	-14.31	7.94	3	Horizontal	210	1.50	-
AV	5.1476G	47.12	54.00	-6.88	7.94	3	Horizontal	210	1.50	-
PK	5.237G	124.21	Inf	-Inf	8.11	3	Horizontal	210	1.50	-
AV	5.2358G	114.23	Inf	-Inf	8.11	3	Horizontal	210	1.50	-
PK	5.3876G	58.16	74.00	-15.84	8.33	3	Horizontal	210	1.50	-
AV	5.3654G	45.75	54.00	-8.25	8.29	3	Horizontal	210	1.50	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

01/06/2019



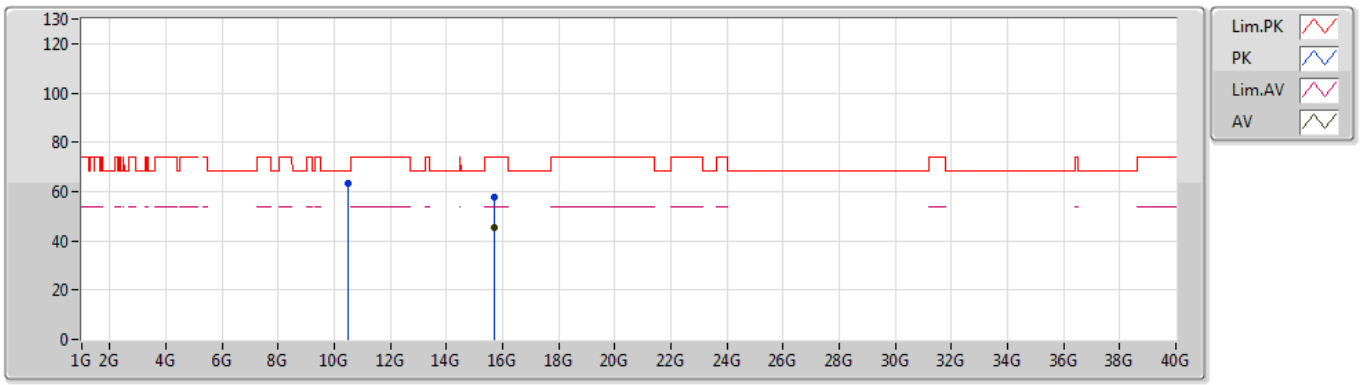
EUT Z_4TX
Setting 31
02-N-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4864G	65.86	68.20	-2.34	14.59	3	Vertical	38	2.00	-
PK	15.72024G	59.67	74.00	-14.33	15.60	3	Vertical	30	1.88	-
AV	15.72204G	45.68	54.00	-8.32	15.60	3	Vertical	30	1.88	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

01/06/2019



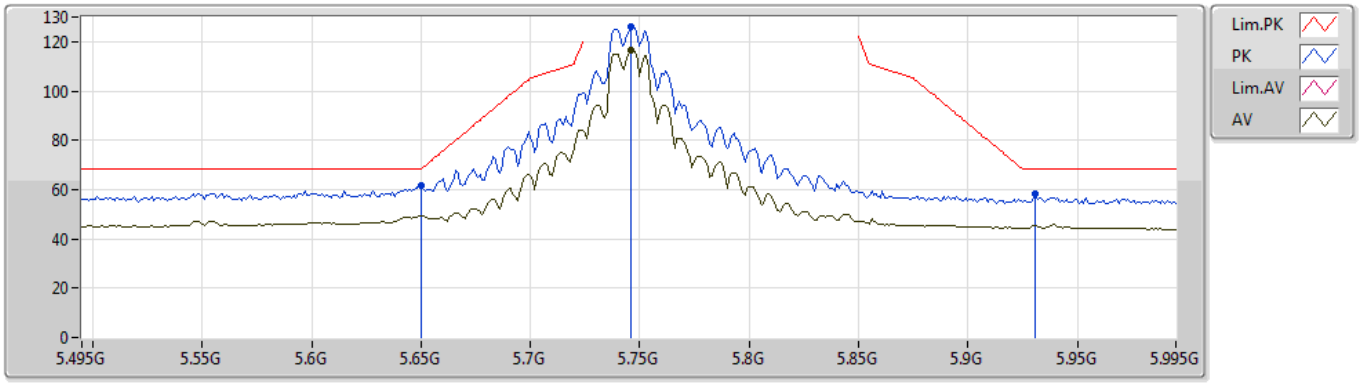
EUT Z_4TX
Setting 31
02-N-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4902G	63.06	68.20	-5.14	14.59	3	Horizontal	54	2.11	-
PK	15.7172G	57.95	74.00	-16.05	15.61	3	Horizontal	109	2.10	-
AV	15.7166G	45.29	54.00	-8.71	15.61	3	Horizontal	109	2.10	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

01/06/2019



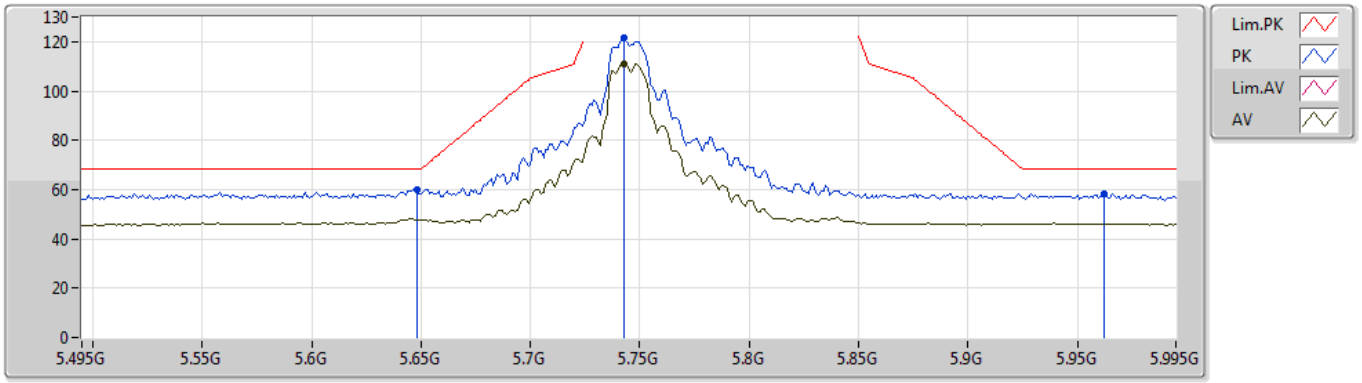
EUT Z_4TX
Setting 29
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.65G	61.69	68.20	-6.51	8.66	3	Vertical	203	1.50	-
PK	5.746G	126.34	Inf	-Inf	8.82	3	Vertical	203	1.50	-
AV	5.746G	116.72	Inf	-Inf	8.82	3	Vertical	203	1.50	-
PK	5.931G	58.04	68.20	-10.16	8.93	3	Vertical	203	1.50	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

01/06/2019



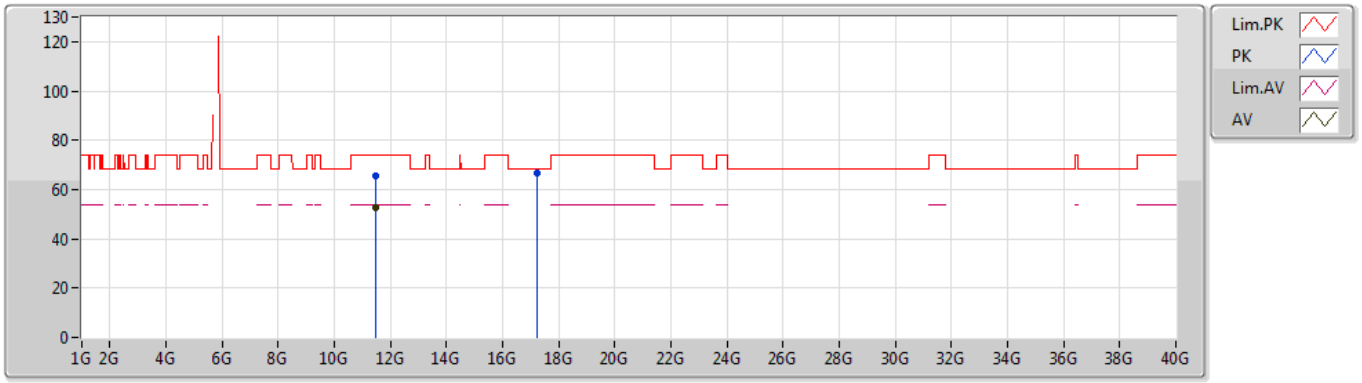
EUT Z_4TX
Setting 29
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.648G	60.02	68.20	-8.18	8.67	3	Horizontal	16	1.63	-
PK	5.743G	121.35	Inf	-Inf	8.82	3	Horizontal	16	1.63	-
AV	5.743G	111.11	Inf	-Inf	8.82	3	Horizontal	16	1.63	-
PK	5.962G	58.49	68.20	-9.71	8.93	3	Horizontal	16	1.63	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

01/06/2019



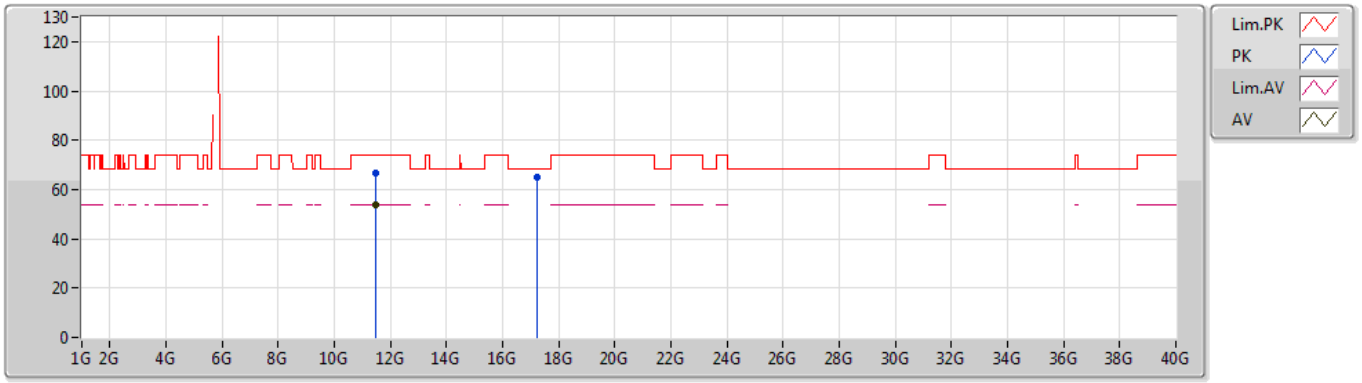
EUT Z_4TX
Setting 29
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.4948G	65.30	74.00	-8.70	14.90	3	Vertical	185	2.10	-
AV	11.49564G	52.43	54.00	-1.57	14.90	3	Vertical	185	2.10	-
PK	17.23178G	66.66	68.20	-1.54	20.69	3	Vertical	181	2.82	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

01/06/2019



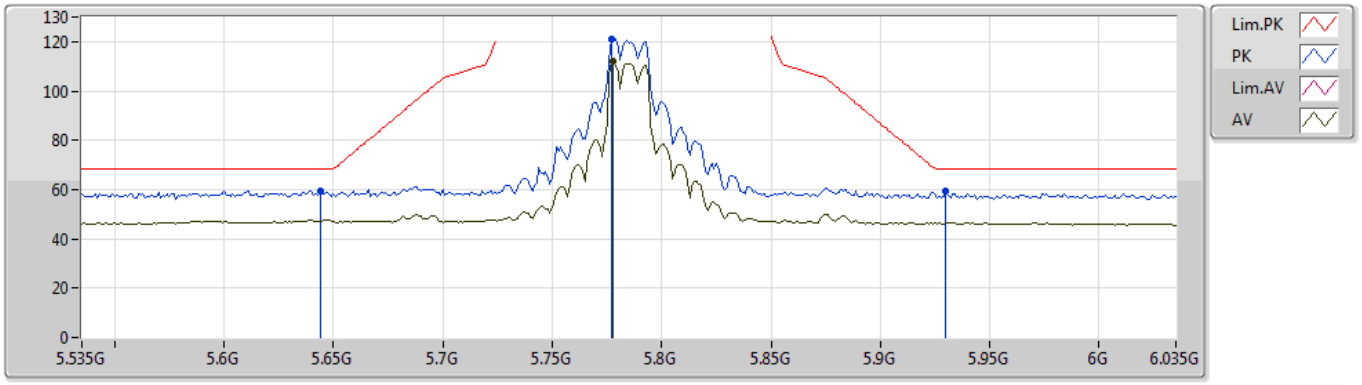
EUT Z_4TX
Setting 29
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.49072G	66.92	74.00	-7.08	14.89	3	Horizontal	124	1.43	-
AV	11.48992G	53.81	54.00	-0.19	14.89	3	Horizontal	124	1.43	-
PK	17.23506G	65.12	68.20	-3.08	20.72	3	Horizontal	141	2.56	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

01/06/2019



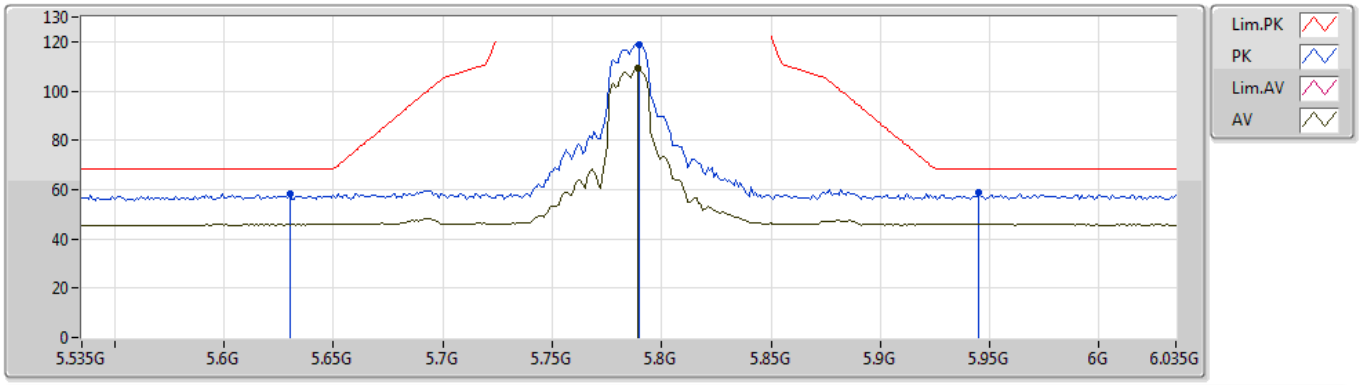
EUT Z_4TX
Setting 25
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.644G	59.51	68.20	-8.69	8.66	3	Vertical	348	1.78	-
PK	5.777G	121.18	Inf	-Inf	8.87	3	Vertical	348	1.78	-
AV	5.778G	112.20	Inf	-Inf	8.87	3	Vertical	348	1.78	-
PK	5.93G	59.38	68.20	-8.82	8.93	3	Vertical	348	1.78	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

01/06/2019



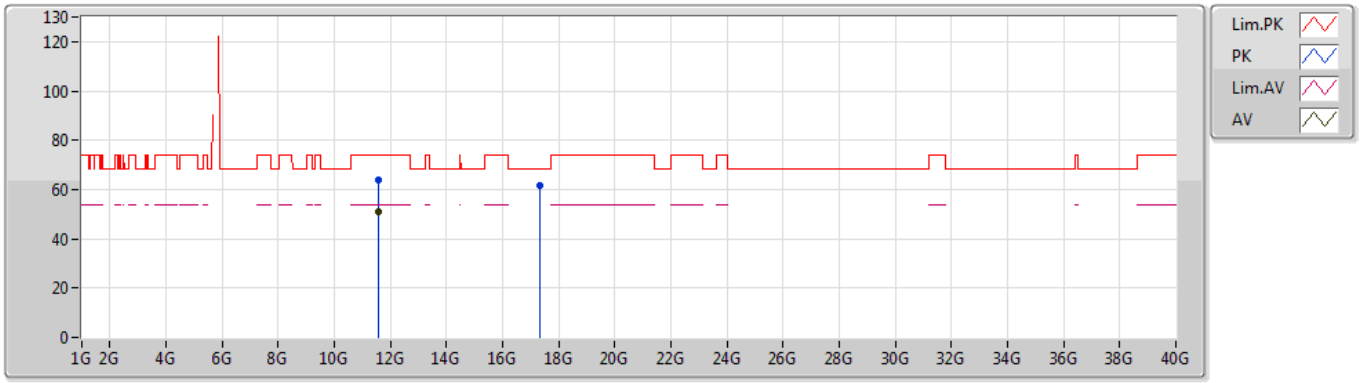
EUT Z_4TX
Setting 25
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.63G	58.44	68.20	-9.76	8.63	3	Horizontal	17	2.56	-
PK	5.79G	118.93	Inf	-Inf	8.88	3	Horizontal	17	2.56	-
AV	5.789G	109.09	Inf	-Inf	8.88	3	Horizontal	17	2.56	-
PK	5.945G	58.69	68.20	-9.51	8.94	3	Horizontal	17	2.56	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

01/06/2019



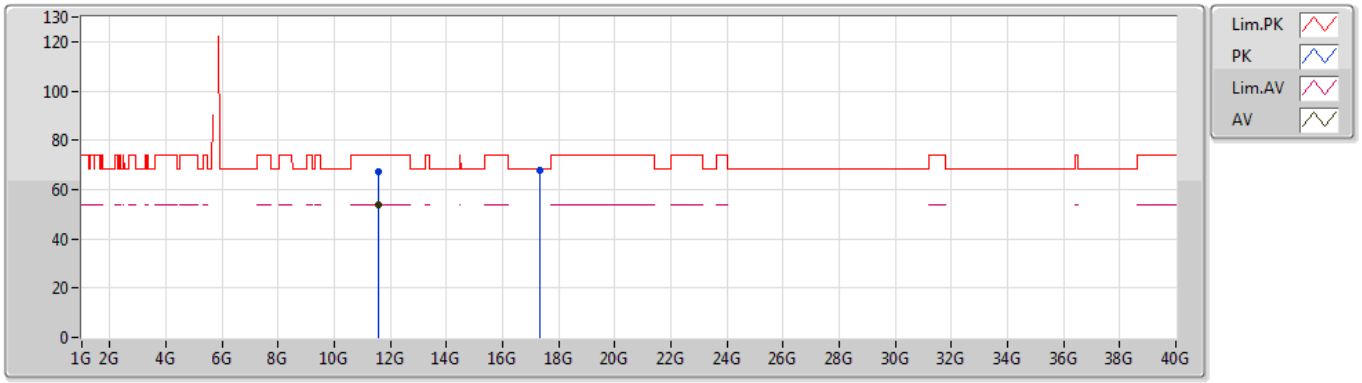
EUT Z_4TX
Setting 25
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57596G	63.79	74.00	-10.21	15.01	3	Vertical	189	2.07	-
AV	11.57584G	50.73	54.00	-3.27	15.01	3	Vertical	189	2.07	-
PK	17.35168G	61.79	68.20	-6.41	21.40	3	Vertical	182	1.82	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

01/06/2019



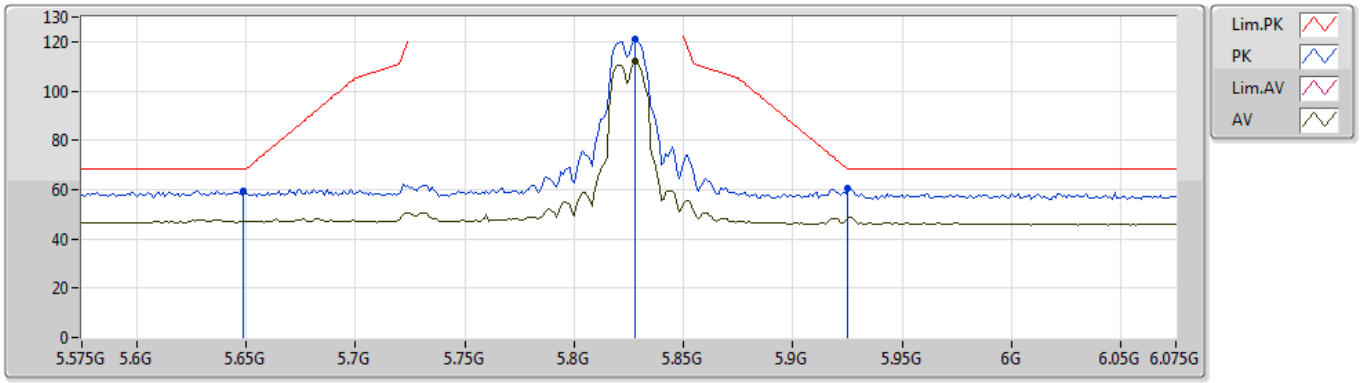
EUT Z_4TX
Setting 25
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57052G	67.09	74.00	-6.91	15.00	3	Horizontal	123	1.25	-
AV	11.57008G	53.75	54.00	-0.25	15.00	3	Horizontal	123	1.25	-
PK	17.34952G	67.67	68.20	-0.53	21.39	3	Horizontal	150	1.43	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

01/06/2019



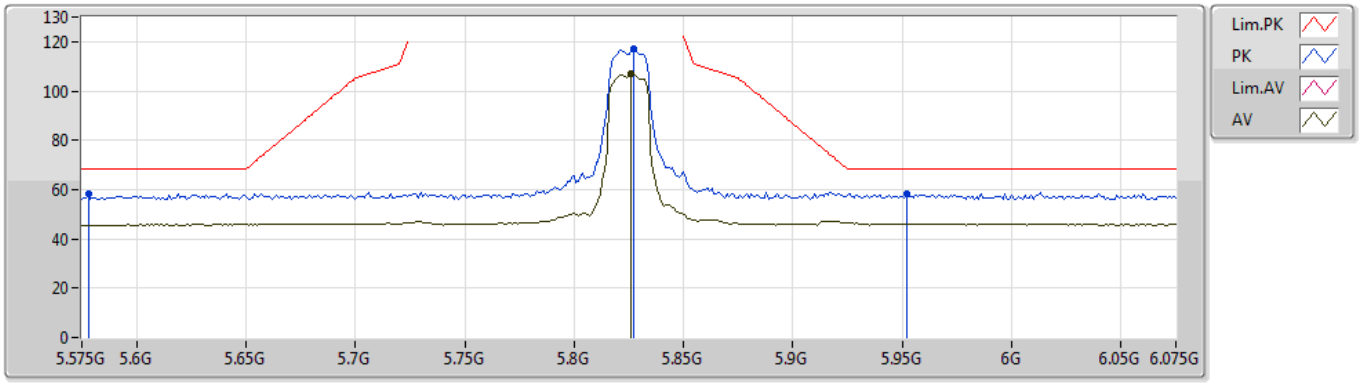
EUT Z_4TX
Setting 22
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.649G	59.19	68.20	-9.01	8.67	3	Vertical	10	1.57	-
PK	5.828G	121.31	Inf	-Inf	8.91	3	Vertical	10	1.57	-
AV	5.828G	112.13	Inf	-Inf	8.91	3	Vertical	10	1.57	-
PK	5.925G	60.24	68.20	-7.96	8.93	3	Vertical	10	1.57	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

01/06/2019



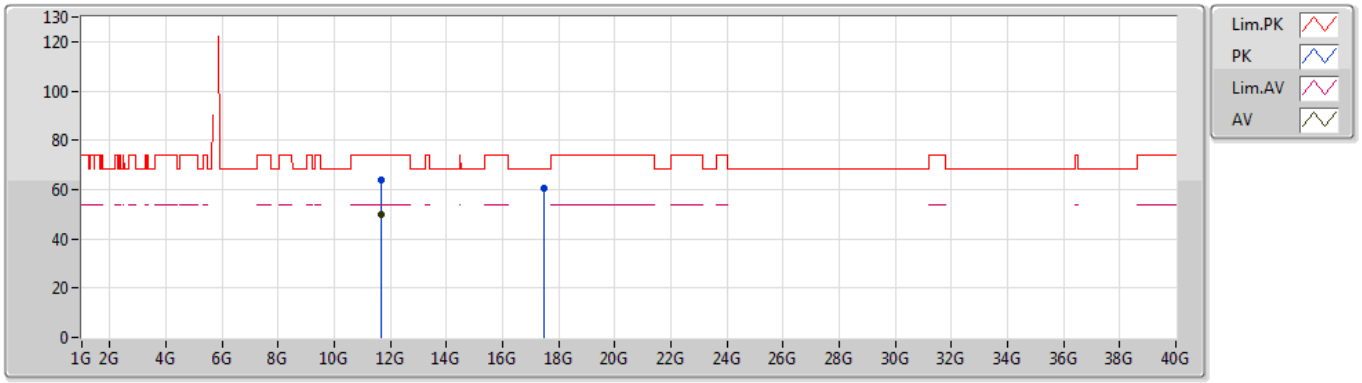
EUT Z_4TX
Setting 22
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.578G	58.41	68.20	-9.79	8.57	3	Horizontal	124	2.97	-
PK	5.827G	116.86	Inf	-Inf	8.91	3	Horizontal	124	2.97	-
AV	5.826G	107.02	Inf	-Inf	8.91	3	Horizontal	124	2.97	-
PK	5.952G	58.33	68.20	-9.87	8.92	3	Horizontal	124	2.97	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

01/06/2019



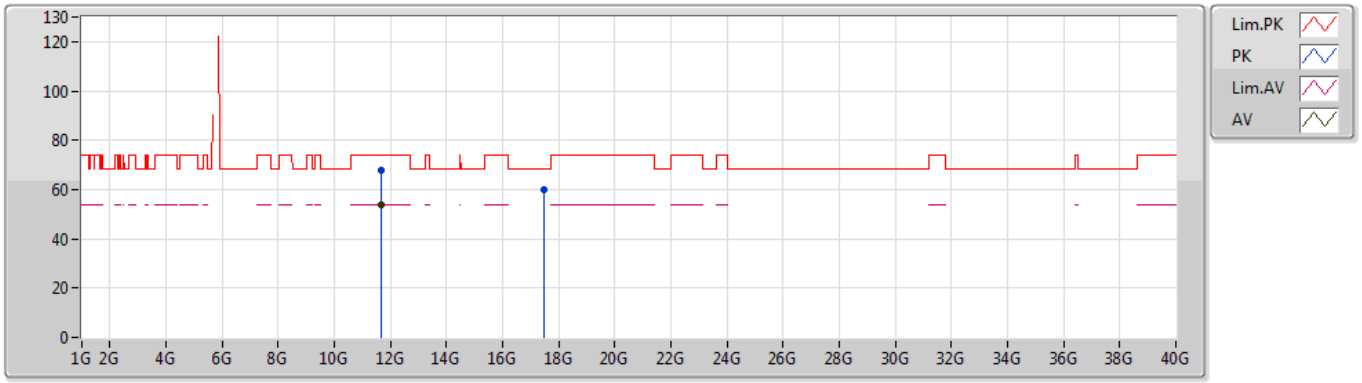
EUT Z_4TX
Setting 22
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65052G	63.81	74.00	-10.19	15.09	3	Vertical	149	1.86	-
AV	11.64992G	50.08	54.00	-3.92	15.09	3	Vertical	149	1.86	-
PK	17.47188G	60.69	68.20	-7.51	22.11	3	Vertical	324	1.84	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

01/06/2019



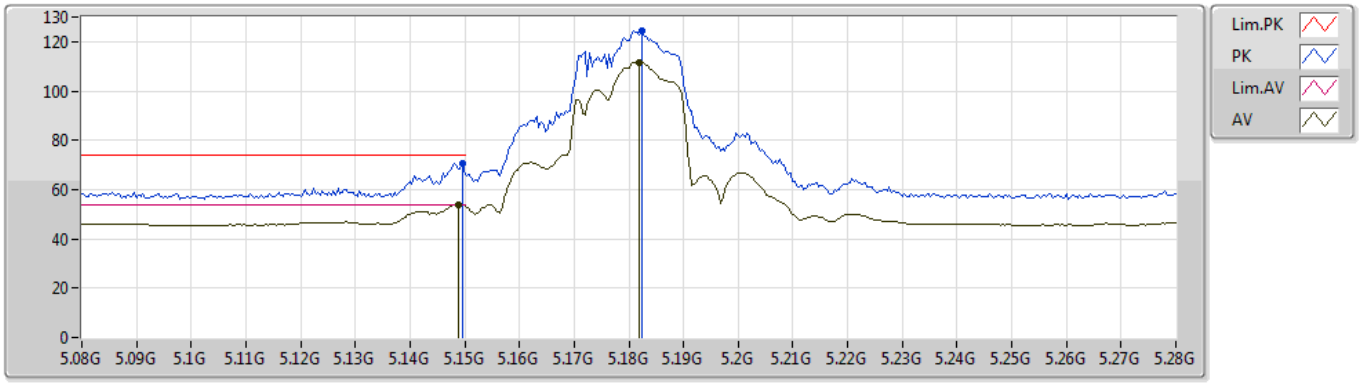
EUT Z_4TX
Setting 22
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65032G	67.71	74.00	-6.29	15.09	3	Horizontal	127	1.18	-
AV	11.64984G	53.98	54.00	-0.02	15.09	3	Horizontal	127	1.18	-
PK	17.47624G	60.14	68.20	-8.06	22.14	3	Horizontal	336	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

01/06/2019



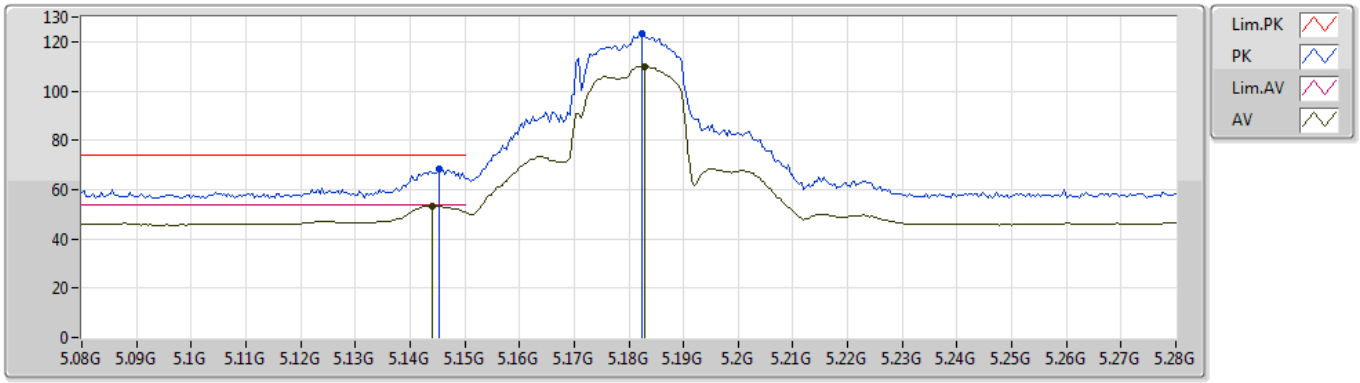
EUT Z_4TX
Setting 23
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1496G	70.71	74.00	-3.29	7.94	3	Vertical	147	2.51	-
AV	5.1488G	53.94	54.00	-0.06	7.94	3	Vertical	147	2.51	-
PK	5.1824G	124.44	Inf	-Inf	8.02	3	Vertical	147	2.51	-
AV	5.182G	111.48	Inf	-Inf	8.02	3	Vertical	147	2.51	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

01/06/2019



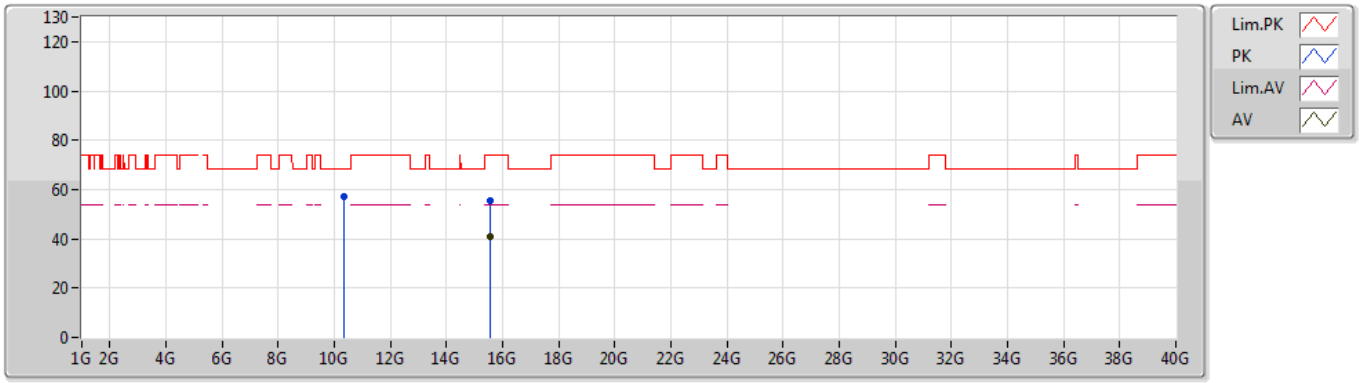
EUT Z_4TX
Setting 23
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1452G	68.17	74.00	-5.83	7.94	3	Horizontal	195	1.69	-
AV	5.144G	53.39	54.00	-0.61	7.94	3	Horizontal	195	1.69	-
PK	5.1824G	123.54	Inf	-Inf	8.02	3	Horizontal	195	1.69	-
AV	5.1828G	110.08	Inf	-Inf	8.02	3	Horizontal	195	1.69	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

01/06/2019



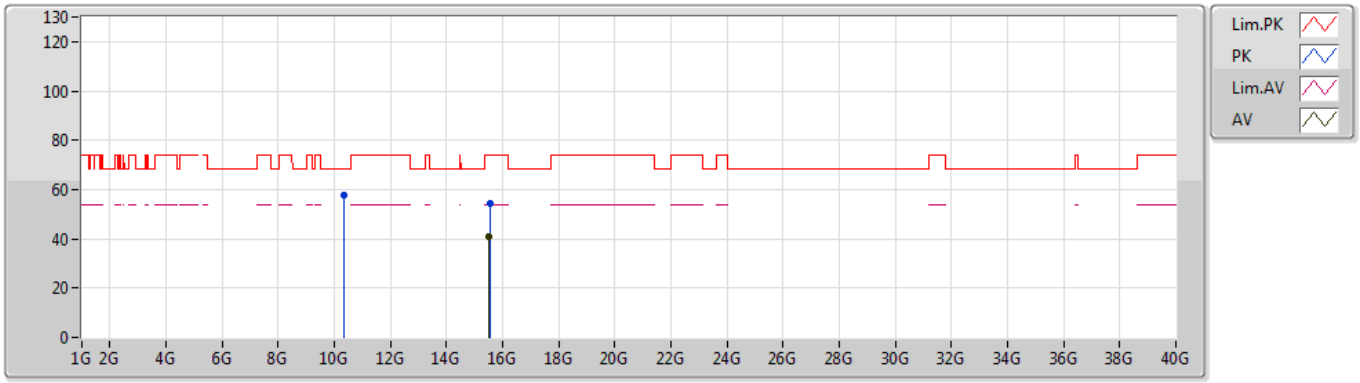
EUT Z_4TX
Setting 23
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.35408G	57.07	68.20	-11.13	14.67	3	Vertical	149	2.66	-
PK	15.54822G	55.38	74.00	-18.62	16.05	3	Vertical	170	1.76	-
AV	15.5388G	41.14	54.00	-12.86	16.08	3	Vertical	170	1.76	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

01/06/2019



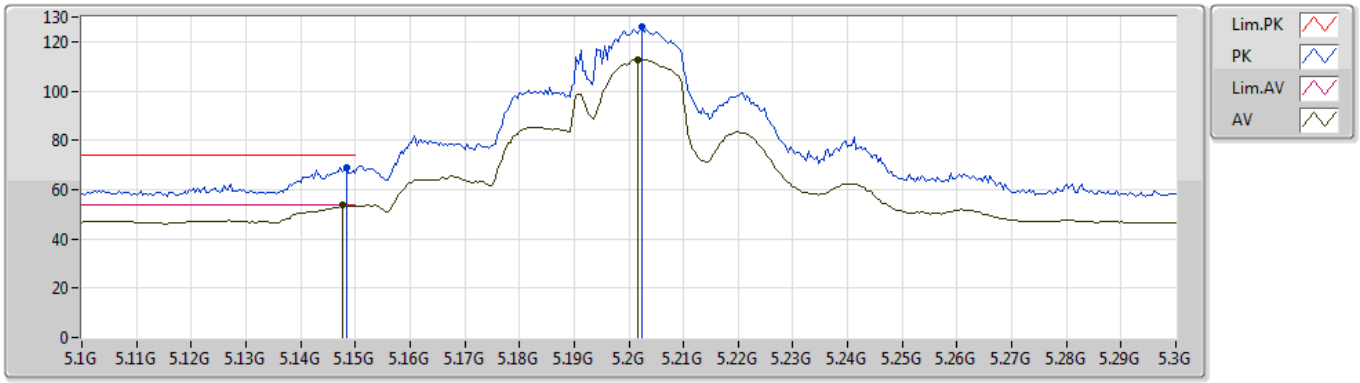
EUT Z_4TX
Setting 23
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.35556G	57.64	68.20	-10.56	14.67	3	Horizontal	123	2.32	-
PK	15.53864G	54.42	74.00	-19.58	16.08	3	Horizontal	67	2.06	-
AV	15.53112G	40.68	54.00	-13.32	16.10	3	Horizontal	67	2.06	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

01/06/2019



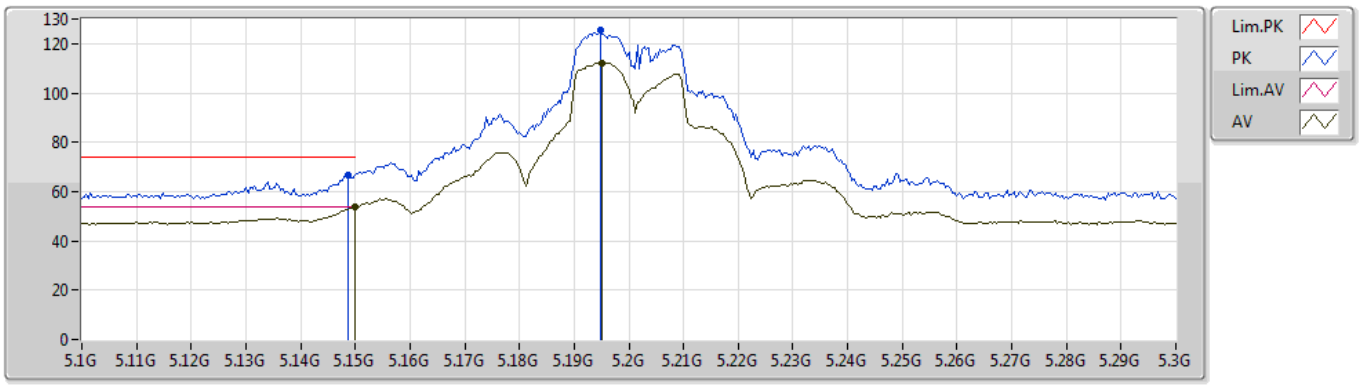
EUT Z_4TX
Setting 26
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1484G	68.89	74.00	-5.11	7.94	3	Vertical	151	1.69	-
AV	5.1476G	53.55	54.00	-0.45	7.94	3	Vertical	151	1.69	-
PK	5.2024G	125.83	Inf	-Inf	8.06	3	Vertical	151	1.69	-
AV	5.2016G	112.85	Inf	-Inf	8.06	3	Vertical	151	1.69	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

01/06/2019



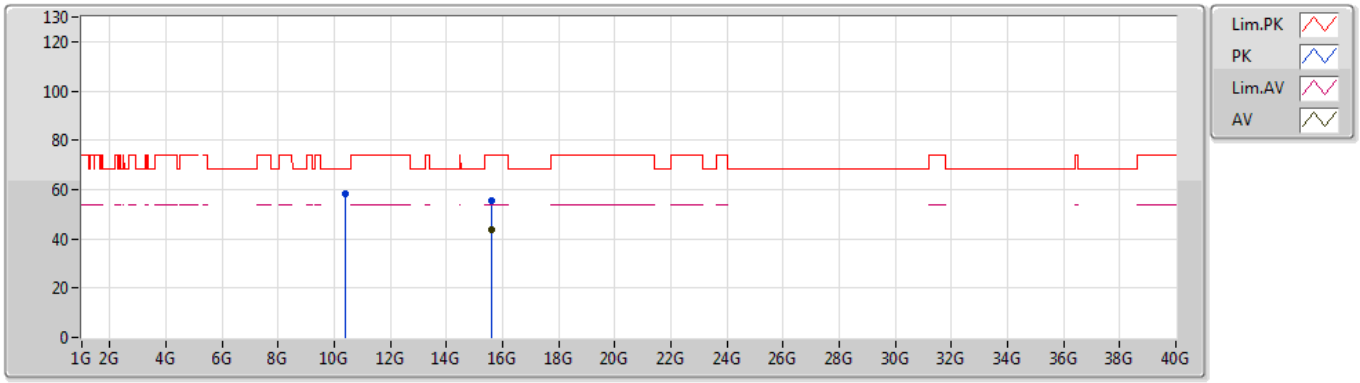
EUT Z_4TX
Setting 26
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1488G	66.69	74.00	-7.31	7.94	3	Horizontal	186	1.49	-
AV	5.15G	53.87	54.00	-0.13	7.94	3	Horizontal	186	1.49	-
PK	5.1948G	125.52	Inf	-Inf	8.05	3	Horizontal	186	1.49	-
AV	5.1952G	112.23	Inf	-Inf	8.05	3	Horizontal	186	1.49	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

01/06/2019



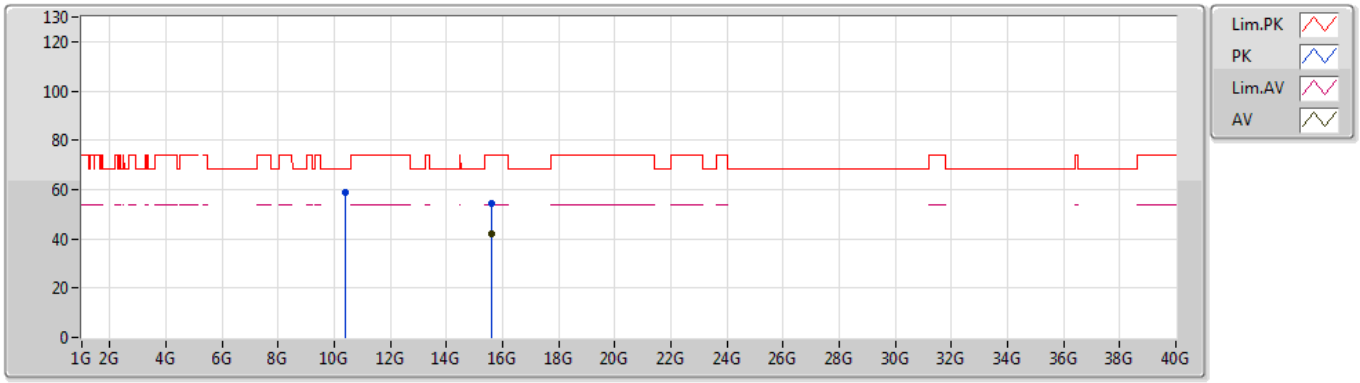
EUT Z_4TX
Setting 26
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.39488G	58.08	68.20	-10.12	14.63	3	Vertical	138	1.62	-
PK	15.60508G	55.67	74.00	-18.33	15.90	3	Vertical	227	1.54	-
AV	15.60348G	43.64	54.00	-10.36	15.90	3	Vertical	227	1.54	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

01/06/2019



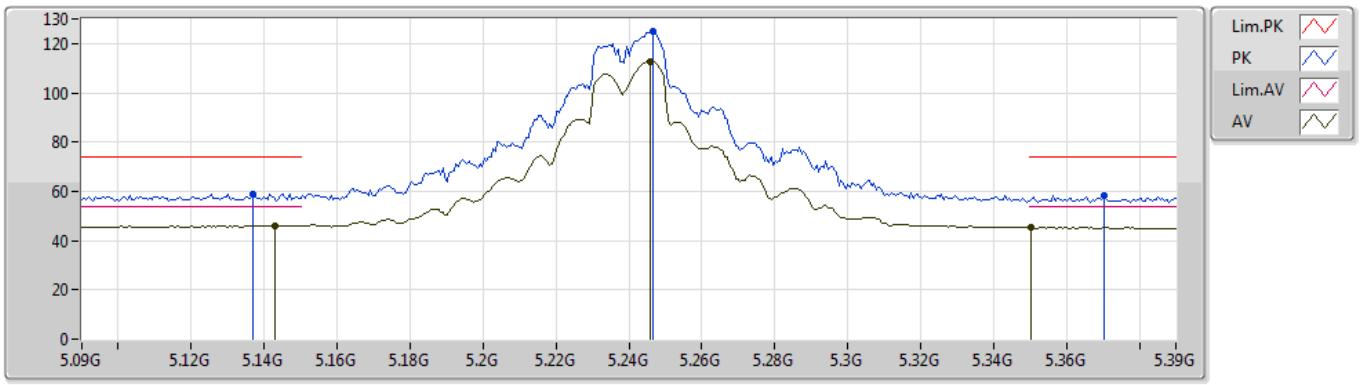
EUT Z_4TX
Setting 26
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.39696G	58.68	68.20	-9.52	14.63	3	Horizontal	108	1.85	-
PK	15.59988G	54.56	74.00	-19.44	15.91	3	Horizontal	137	1.76	-
AV	15.5964G	41.83	54.00	-12.17	15.92	3	Horizontal	137	1.76	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

01/06/2019



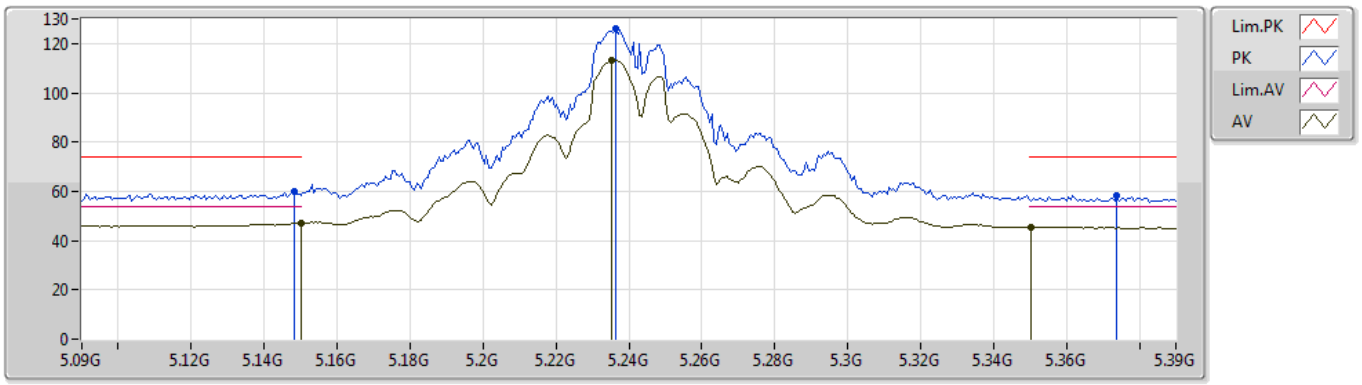
EUT Z_4TX
Setting 31
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1368G	59.07	74.00	-14.93	7.92	3	Vertical	1	2.45	-
AV	5.1428G	46.05	54.00	-7.95	7.94	3	Vertical	1	2.45	-
PK	5.2466G	125.22	Inf	-Inf	8.13	3	Vertical	1	2.45	-
AV	5.246G	112.86	Inf	-Inf	8.13	3	Vertical	1	2.45	-
PK	5.3702G	58.19	74.00	-15.81	8.30	3	Vertical	1	2.45	-
AV	5.3504G	45.29	54.00	-8.71	8.28	3	Vertical	1	2.45	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

01/06/2019



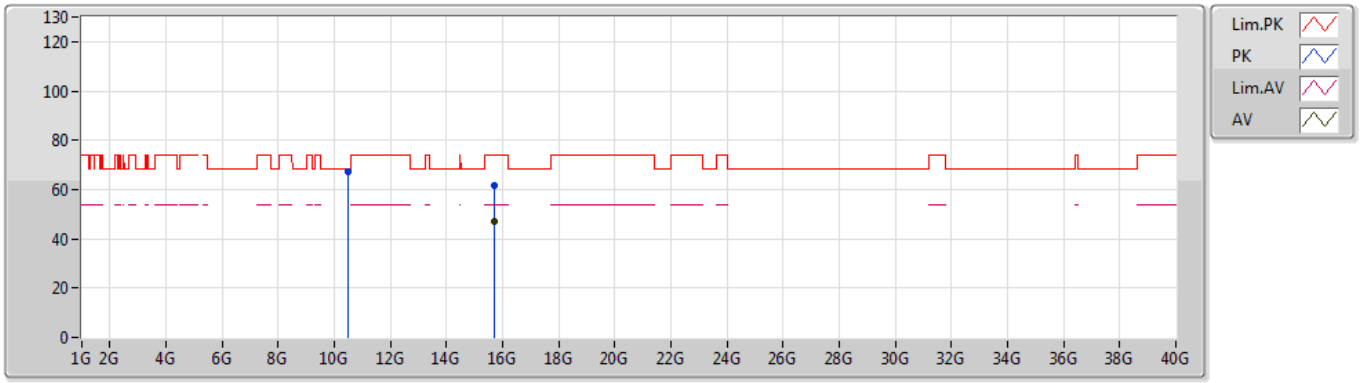
EUT Z_4TX
Setting 31
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1482G	59.85	74.00	-14.15	7.94	3	Horizontal	171	1.50	-
AV	5.15G	47.15	54.00	-6.85	7.94	3	Horizontal	171	1.50	-
PK	5.2364G	125.87	Inf	-Inf	8.11	3	Horizontal	171	1.50	-
AV	5.2352G	113.28	Inf	-Inf	8.11	3	Horizontal	171	1.50	-
PK	5.3738G	58.17	74.00	-15.83	8.30	3	Horizontal	171	1.50	-
AV	5.3504G	45.41	54.00	-8.59	8.28	3	Horizontal	171	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

01/06/2019



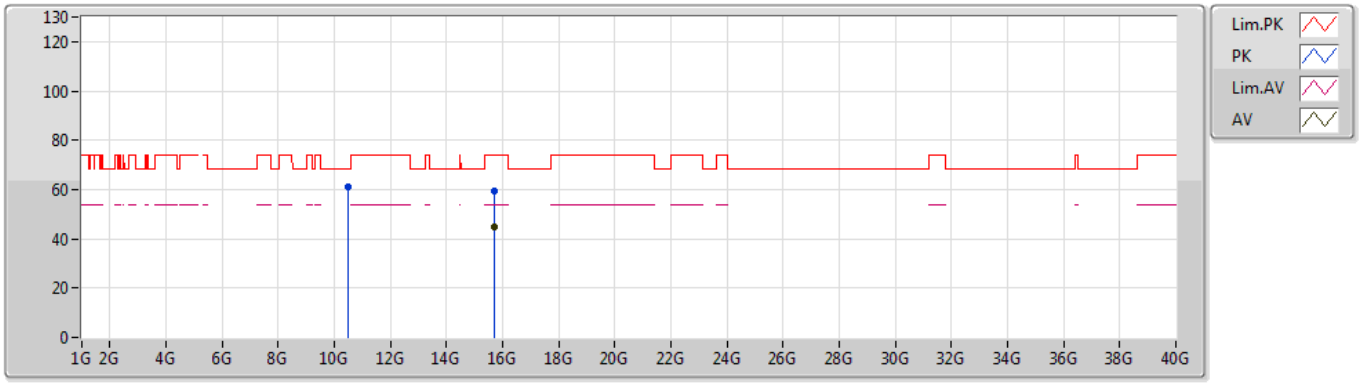
EUT Z_4TX
Setting 31
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4746G	67.24	68.20	-0.96	14.59	3	Vertical	133	2.01	-
PK	15.7216G	61.39	74.00	-12.61	15.60	3	Vertical	166	1.50	-
AV	15.72344G	46.85	54.00	-7.15	15.59	3	Vertical	166	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

01/06/2019



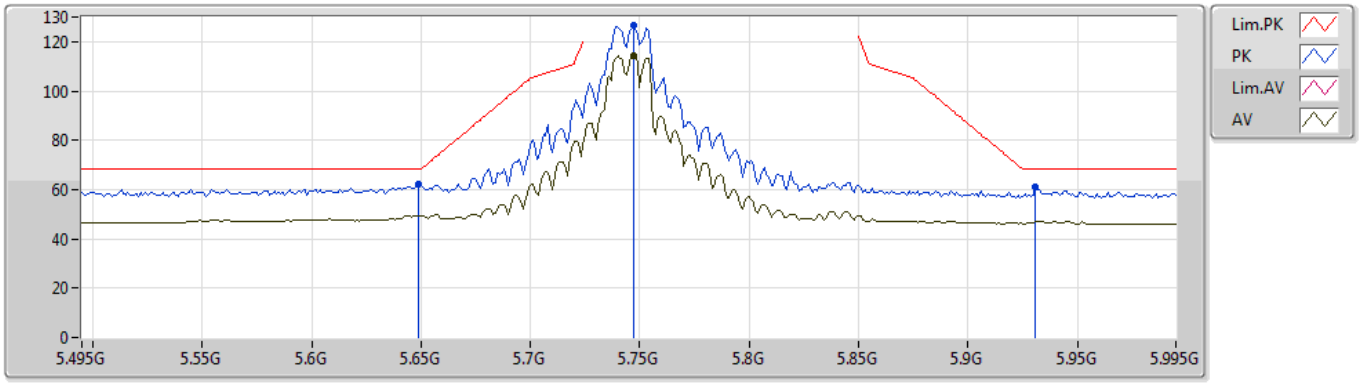
EUT Z_4TX
Setting 31
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.47724G	61.26	68.20	-6.94	14.59	3	Horizontal	122	2.53	-
PK	15.7268G	59.57	74.00	-14.43	15.58	3	Horizontal	230	1.50	-
AV	15.72476G	45.00	54.00	-9.00	15.59	3	Horizontal	230	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

01/06/2019



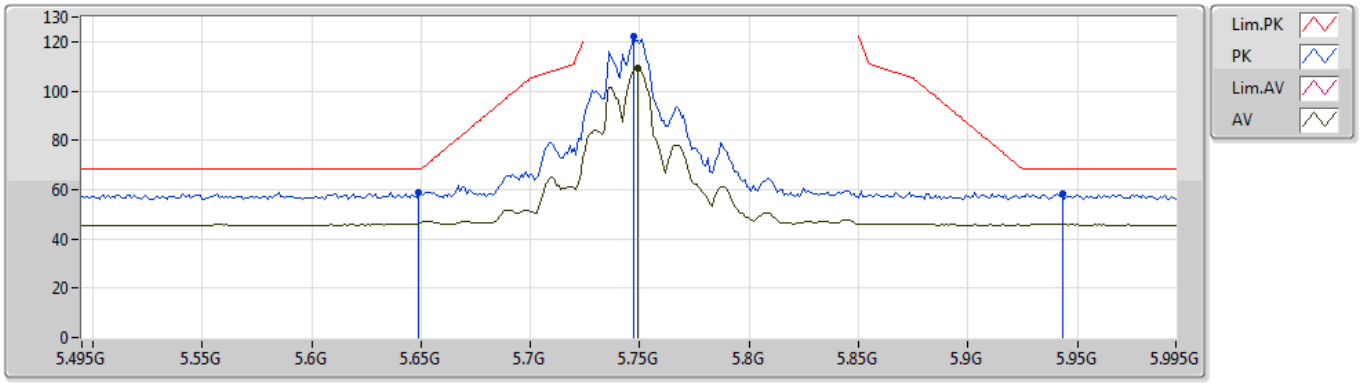
EUT Z_4TX
Setting 27
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.649G	62.39	68.20	-5.81	8.67	3	Vertical	352	1.57	-
PK	5.747G	126.68	Inf	-Inf	8.82	3	Vertical	352	1.57	-
AV	5.747G	114.55	Inf	-Inf	8.82	3	Vertical	352	1.57	-
PK	5.931G	61.03	68.20	-7.17	8.93	3	Vertical	352	1.57	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

01/06/2019



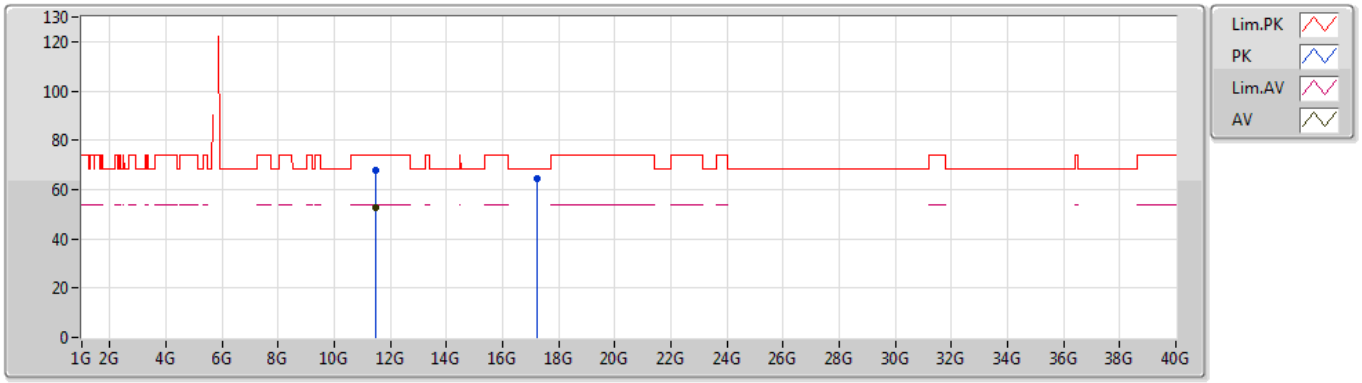
EUT Z_4TX
Setting 27
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.649G	58.91	68.20	-9.29	8.67	3	Horizontal	135	1.50	-
PK	5.747G	122.15	Inf	-Inf	8.82	3	Horizontal	135	1.50	-
AV	5.749G	109.20	Inf	-Inf	8.82	3	Horizontal	135	1.50	-
PK	5.943G	58.48	68.20	-9.72	8.94	3	Horizontal	135	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

01/06/2019



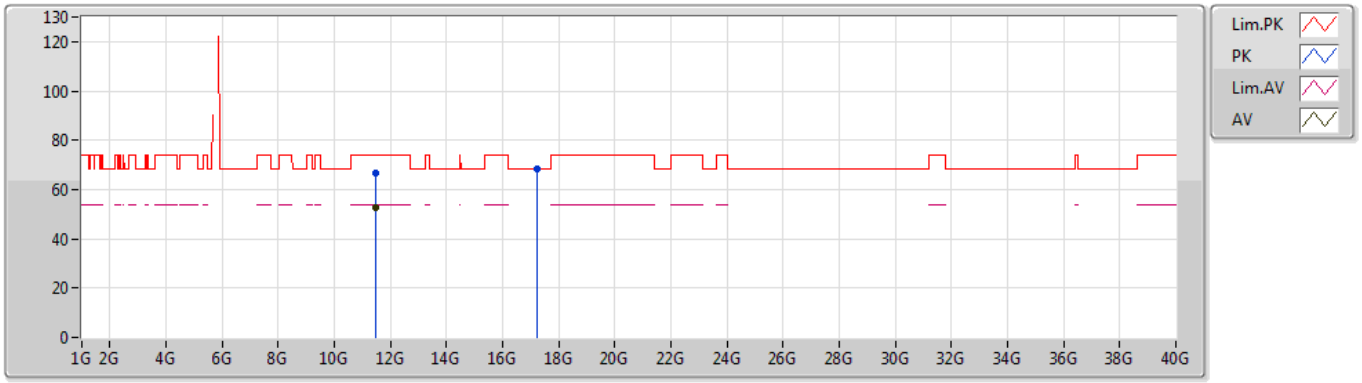
EUT Z_4TX
Setting 27
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48736G	67.80	74.00	-6.20	14.89	3	Vertical	190	2.10	-
AV	11.48148G	52.46	54.00	-1.54	14.89	3	Vertical	190	2.10	-
PK	17.226G	64.56	68.20	-3.64	20.66	3	Vertical	217	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

01/06/2019



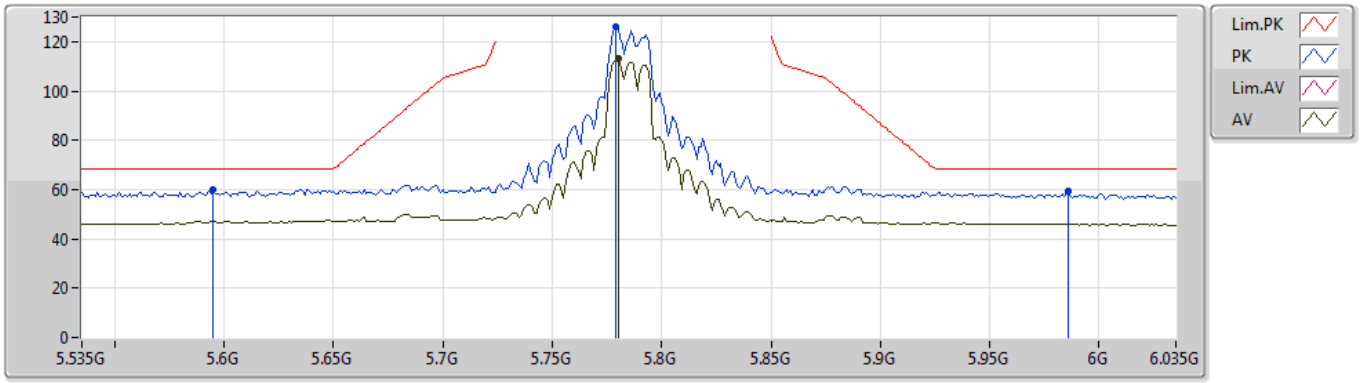
EUT Z_4TX
Setting 27
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.4902G	66.88	74.00	-7.12	14.89	3	Horizontal	108	1.42	-
AV	11.4896G	52.82	54.00	-1.18	14.89	3	Horizontal	108	1.42	-
PK	17.23196G	68.16	68.20	-0.04	20.69	3	Horizontal	145	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

01/06/2019



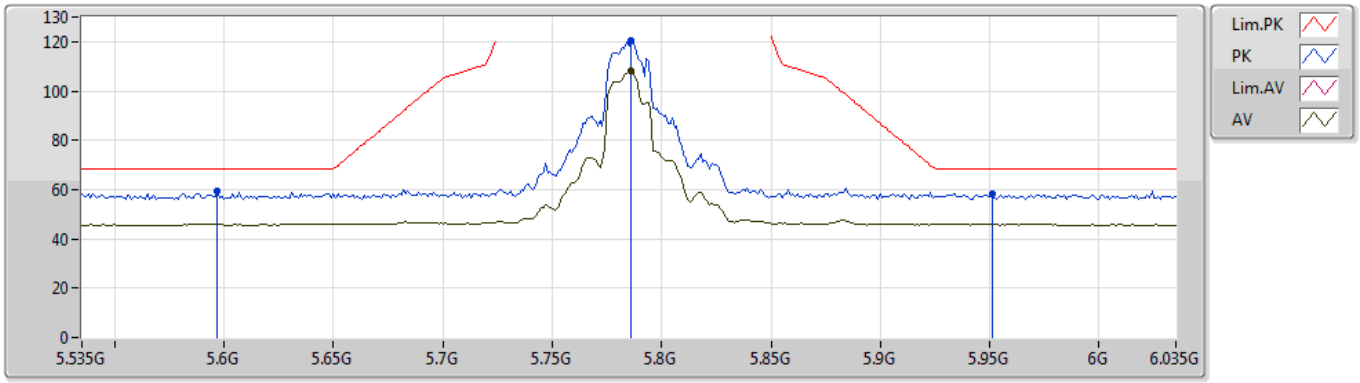
EUT Z_4TX
Setting 25
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.595G	59.93	68.20	-8.27	8.58	3	Vertical	10	1.19	-
PK	5.779G	126.27	Inf	-Inf	8.87	3	Vertical	10	1.19	-
AV	5.78G	112.96	Inf	-Inf	8.87	3	Vertical	10	1.19	-
PK	5.986G	59.32	68.20	-8.88	8.93	3	Vertical	10	1.19	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

01/06/2019



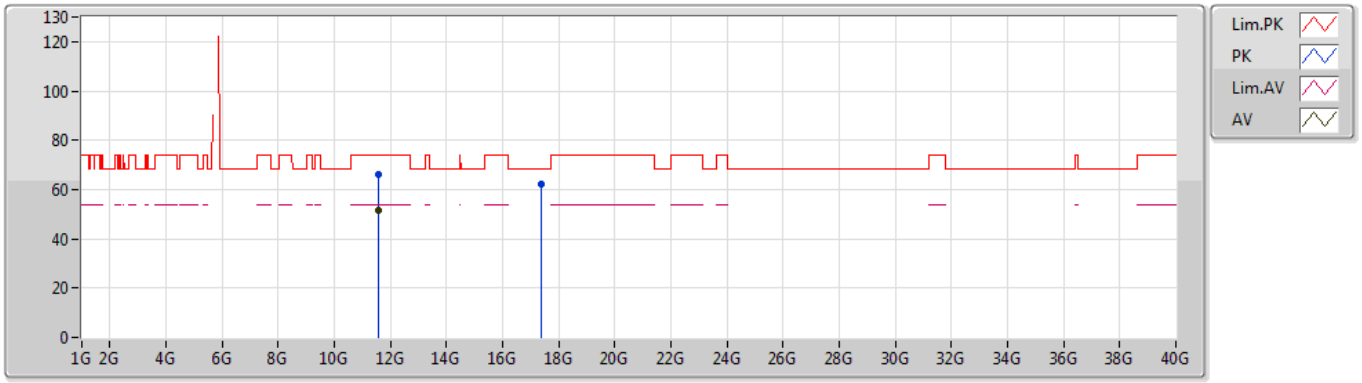
EUT Z_4TX
Setting 25
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.597G	59.39	68.20	-8.81	8.58	3	Horizontal	165	1.88	-
PK	5.786G	120.58	Inf	-Inf	8.88	3	Horizontal	165	1.88	-
AV	5.786G	107.88	Inf	-Inf	8.88	3	Horizontal	165	1.88	-
PK	5.951G	58.27	68.20	-9.93	8.92	3	Horizontal	165	1.88	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

01/06/2019



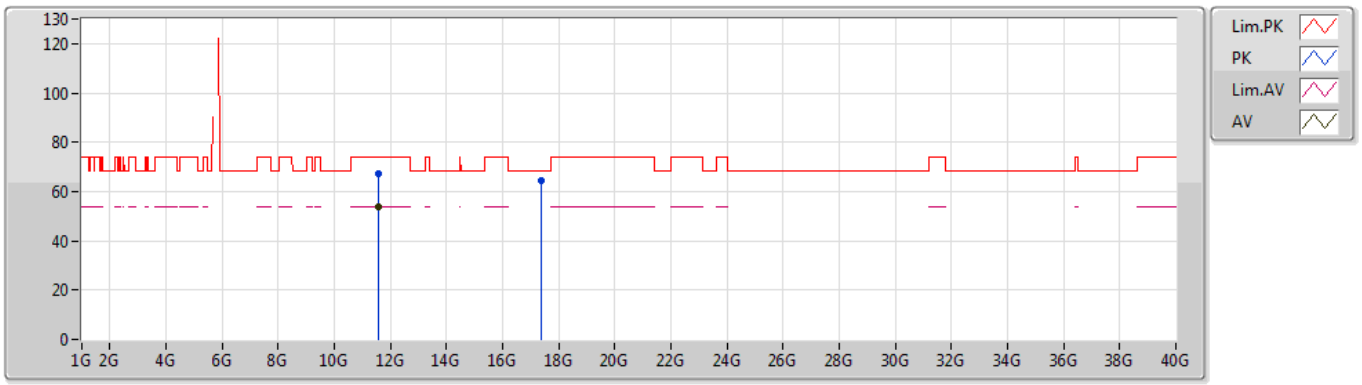
EUT Z_4TX
Setting 25
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56028G	66.34	74.00	-7.66	14.99	3	Vertical	185	2.08	-
AV	11.56094G	51.72	54.00	-2.28	14.99	3	Vertical	185	2.08	-
PK	17.3529G	61.98	68.20	-6.22	21.41	3	Vertical	171	2.92	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

01/06/2019



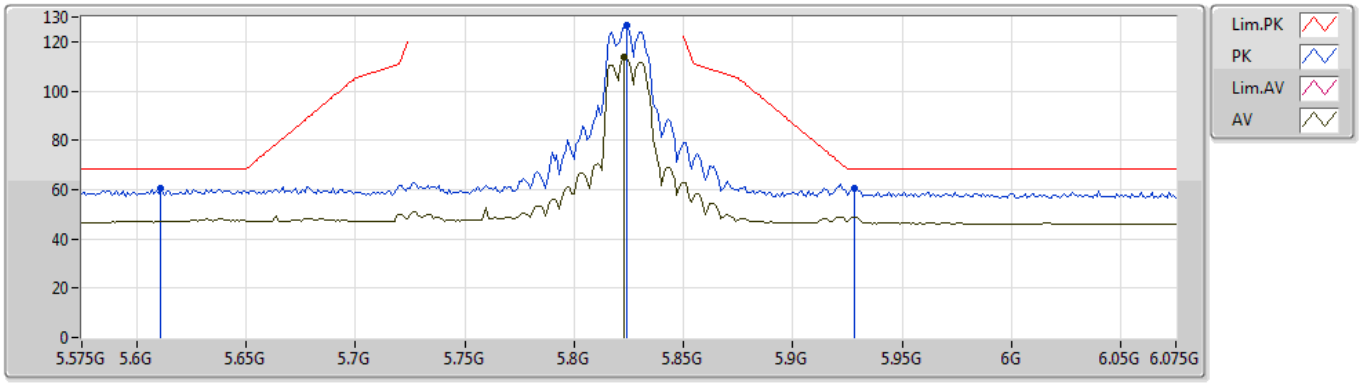
EUT Z_4TX
Setting 25
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56768G	67.41	74.00	-6.59	14.99	3	Horizontal	122	1.25	-
AV	11.56888G	53.84	54.00	-0.16	15.00	3	Horizontal	122	1.25	-
PK	17.35536G	64.18	68.20	-4.02	21.42	3	Horizontal	139	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

01/06/2019



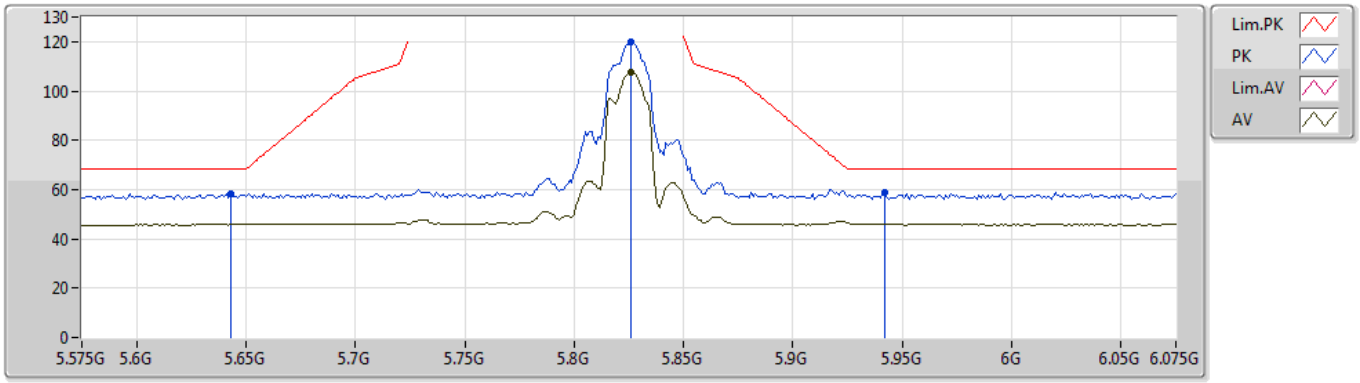
EUT Z_4TX
Setting 23
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.611G	60.48	68.20	-7.72	8.61	3	Vertical	344	1.43	-
PK	5.824G	126.56	Inf	-Inf	8.90	3	Vertical	344	1.43	-
AV	5.823G	113.84	Inf	-Inf	8.90	3	Vertical	344	1.43	-
PK	5.928G	60.67	68.20	-7.53	8.93	3	Vertical	344	1.43	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

01/06/2019



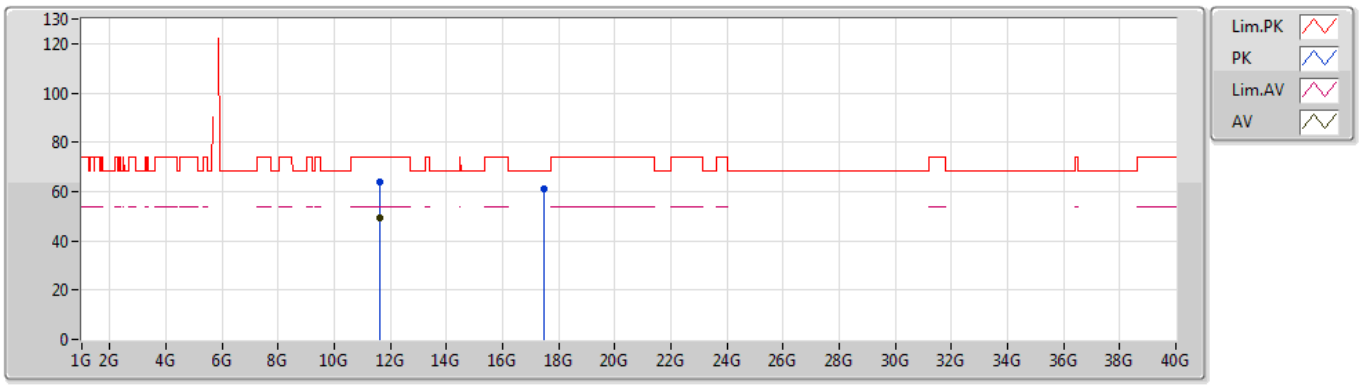
EUT Z_4TX
Setting 23
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.643G	58.28	68.20	-9.92	8.66	3	Horizontal	19	1.40	-
PK	5.826G	119.94	Inf	-Inf	8.91	3	Horizontal	19	1.40	-
AV	5.826G	107.71	Inf	-Inf	8.91	3	Horizontal	19	1.40	-
PK	5.942G	58.76	68.20	-9.44	8.94	3	Horizontal	19	1.40	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

01/06/2019



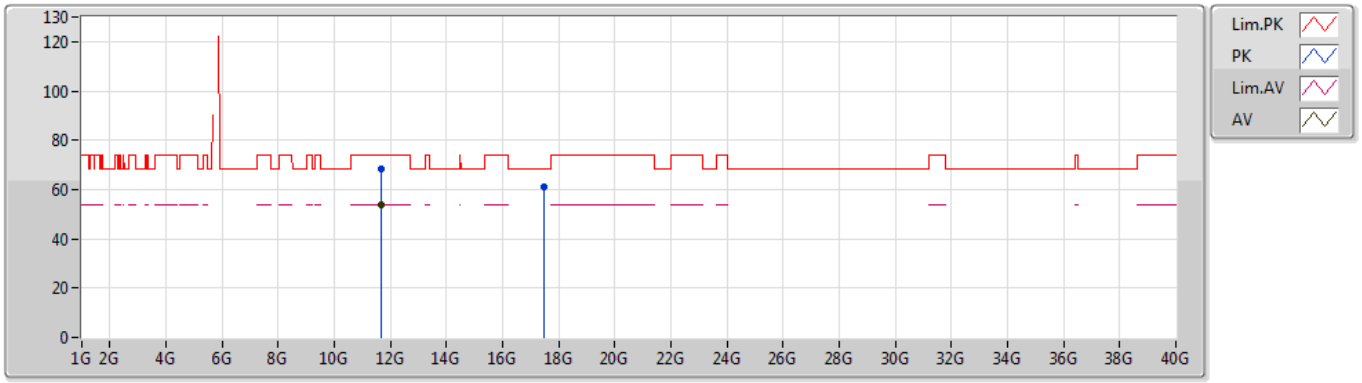
EUT Z_4TX
Setting 23
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.6416G	63.84	74.00	-10.16	15.08	3	Vertical	178	1.99	-
AV	11.64232G	49.44	54.00	-4.56	15.08	3	Vertical	178	1.99	-
PK	17.4849G	60.87	68.20	-7.33	22.19	3	Vertical	258	1.68	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

01/06/2019



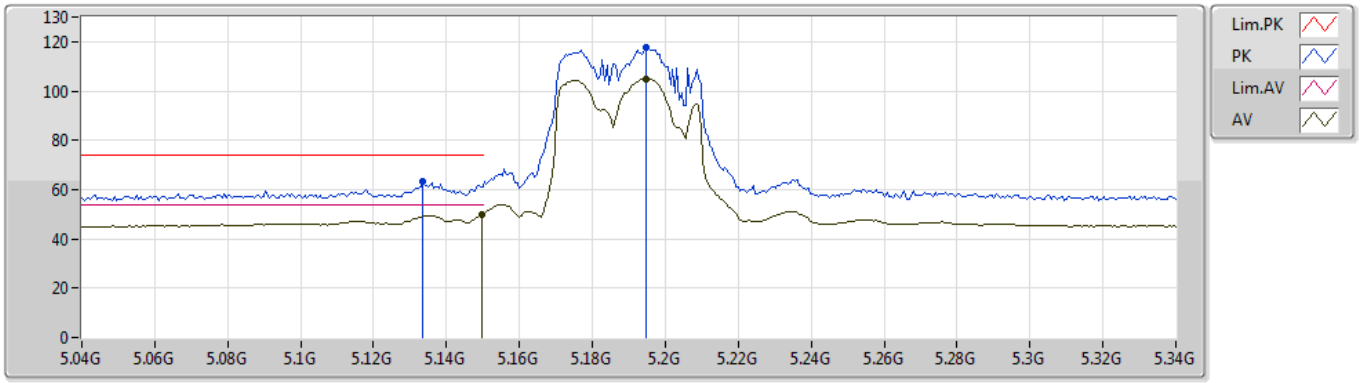
EUT Z_4TX
Setting 23
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.64916G	68.30	74.00	-5.70	15.09	3	Horizontal	126	1.21	-
AV	11.64988G	53.98	54.00	-0.02	15.09	3	Horizontal	126	1.21	-
PK	17.48268G	61.19	68.20	-7.01	22.18	3	Horizontal	193	1.50	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

03/06/2019



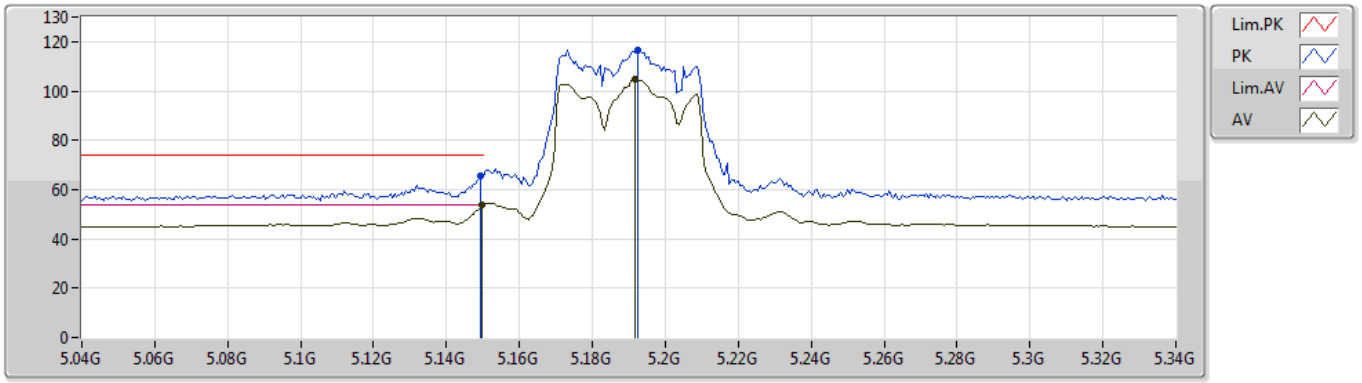
EUT Z_4TX
Setting 20
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1336G	63.04	74.00	-10.96	7.92	3	Vertical	214	1.52	-
AV	5.1498G	49.79	54.00	-4.21	7.94	3	Vertical	214	1.52	-
PK	5.1948G	117.49	Inf	-Inf	8.05	3	Vertical	214	1.52	-
AV	5.1948G	105.01	Inf	-Inf	8.05	3	Vertical	214	1.52	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

03/06/2019



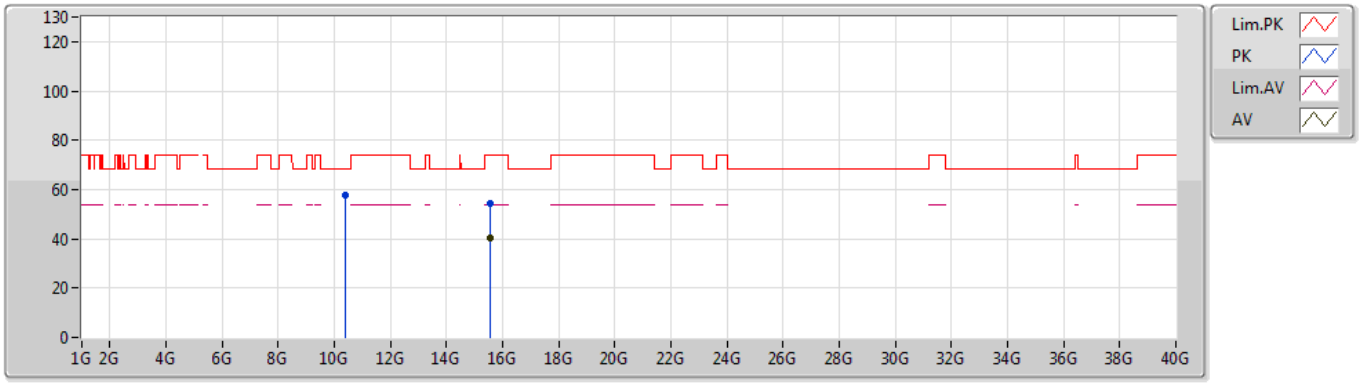
EUT Z_4TX
Setting 20
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1492G	65.45	74.00	-8.55	7.94	3	Horizontal	267	1.65	-
AV	5.1498G	53.65	54.00	-0.35	7.94	3	Horizontal	267	1.65	-
PK	5.1924G	116.54	Inf	-Inf	8.04	3	Horizontal	267	1.65	-
AV	5.1918G	104.78	Inf	-Inf	8.04	3	Horizontal	267	1.65	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

03/06/2019



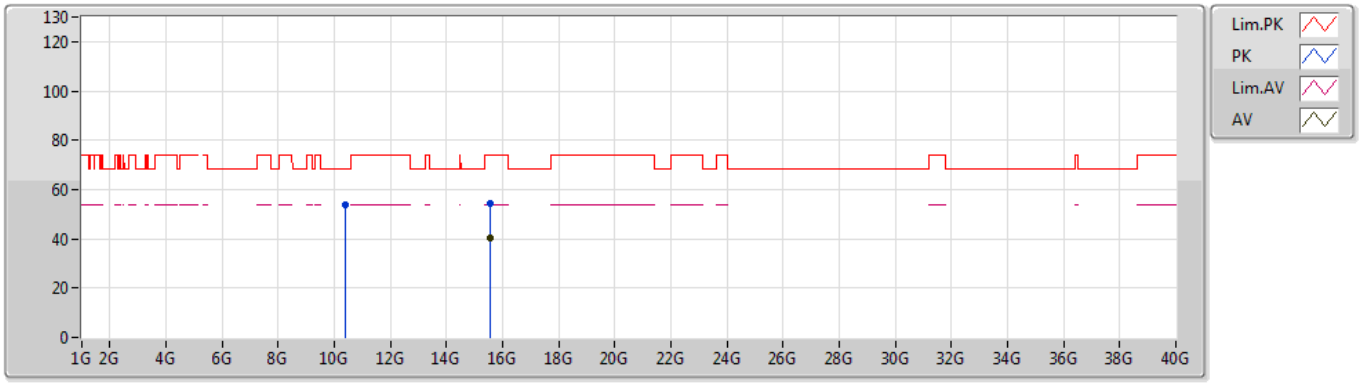
EUT Z_4TX
Setting 20
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.3744G	57.52	68.20	-10.68	14.66	3	Vertical	137	2.06	-
PK	15.57132G	54.26	74.00	-19.74	15.99	3	Vertical	200	1.80	-
AV	15.56172G	40.51	54.00	-13.49	16.02	3	Vertical	200	1.80	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

03/06/2019



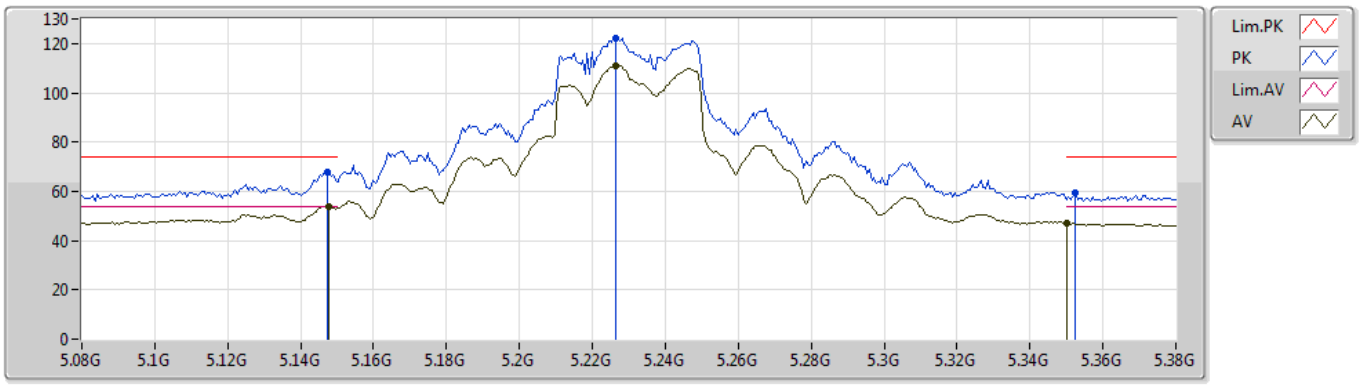
EUT Z_4TX
Setting 20
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.37472G	53.83	68.20	-14.37	14.66	3	Horizontal	141	1.57	-
PK	15.56816G	54.63	74.00	-19.37	16.00	3	Horizontal	235	1.65	-
AV	15.5634G	40.52	54.00	-13.48	16.02	3	Horizontal	235	1.65	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

01/06/2019



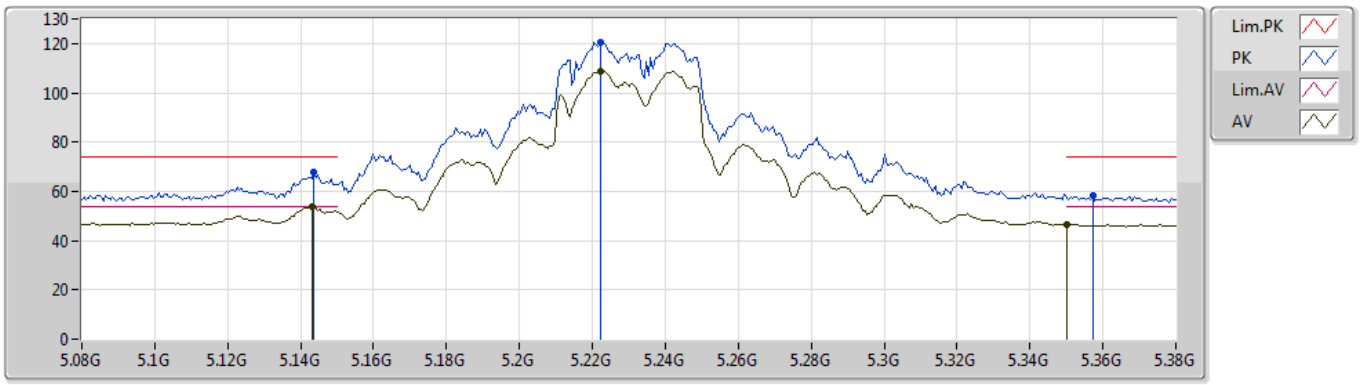
EUT Z_4TX
Setting 25
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1472G	67.93	74.00	-6.07	7.94	3	Vertical	204	1.66	-
AV	5.1478G	53.93	54.00	-0.07	7.94	3	Vertical	204	1.66	-
PK	5.2264G	122.39	Inf	-Inf	8.10	3	Vertical	204	1.66	-
AV	5.2264G	110.77	Inf	-Inf	8.10	3	Vertical	204	1.66	-
PK	5.3524G	59.15	74.00	-14.85	8.28	3	Vertical	204	1.66	-
AV	5.35G	47.11	54.00	-6.89	8.28	3	Vertical	204	1.66	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

01/06/2019



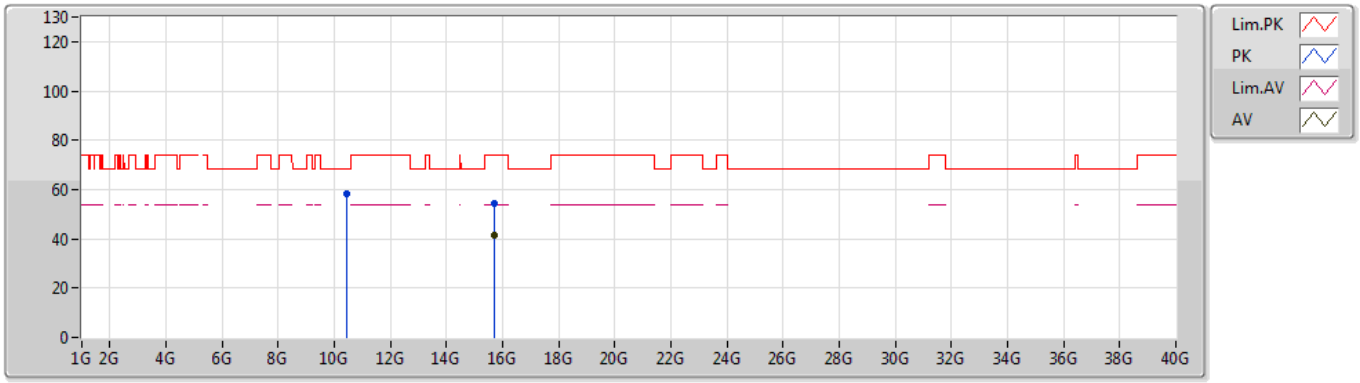
EUT Z_4TX
Setting 25
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1436G	67.89	74.00	-6.11	7.94	3	Horizontal	252	1.64	-
AV	5.143G	53.59	54.00	-0.41	7.94	3	Horizontal	252	1.64	-
PK	5.2222G	120.56	Inf	-Inf	8.10	3	Horizontal	252	1.64	-
AV	5.2222G	108.95	Inf	-Inf	8.10	3	Horizontal	252	1.64	-
PK	5.3572G	58.06	74.00	-15.94	8.28	3	Horizontal	252	1.64	-
AV	5.35G	46.54	54.00	-7.46	8.28	3	Horizontal	252	1.64	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

01/06/2019



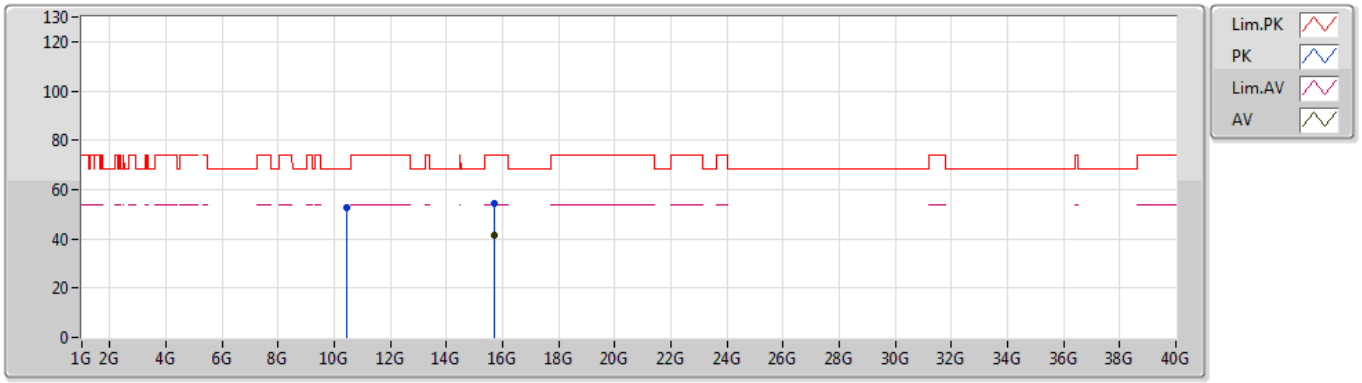
EUT Z_4TX
Setting 25
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.45728G	58.20	68.20	-10.00	14.60	3	Vertical	235	1.45	-
PK	15.68488G	54.18	74.00	-19.82	15.69	3	Vertical	168	1.52	-
AV	15.68488G	41.62	54.00	-12.38	15.69	3	Vertical	168	1.52	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

01/06/2019



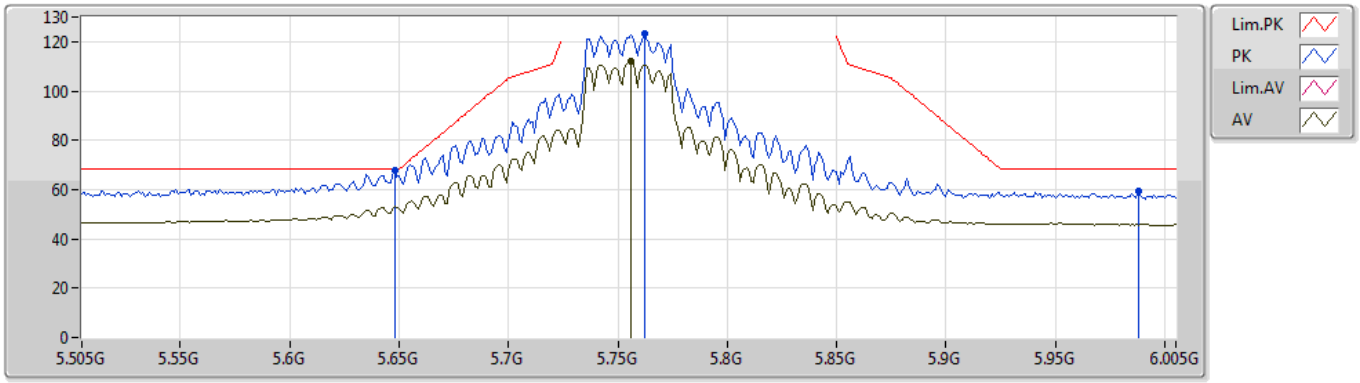
EUT Z_4TX
Setting 25
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.46284G	52.66	68.20	-15.54	14.60	3	Horizontal	274	1.41	-
PK	15.68828G	54.55	74.00	-19.45	15.68	3	Horizontal	313	1.14	-
AV	15.684G	41.63	54.00	-12.37	15.70	3	Horizontal	313	1.14	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

01/06/2019



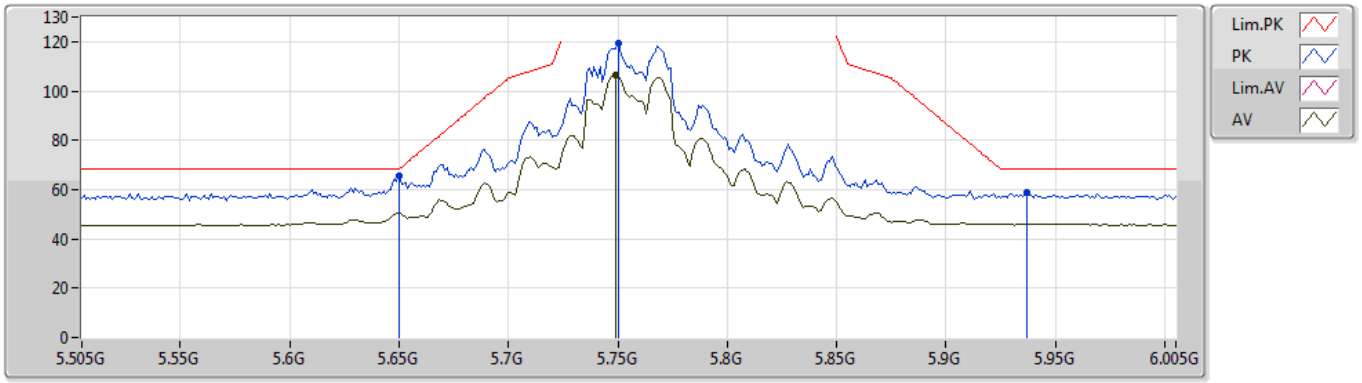
EUT Z_4TX
Setting 26
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.648G	67.96	68.20	-0.24	8.67	3	Vertical	6	1.50	-
PK	5.762G	123.39	Inf	-Inf	8.85	3	Vertical	6	1.50	-
AV	5.756G	112.02	Inf	-Inf	8.83	3	Vertical	6	1.50	-
PK	5.988G	59.27	68.20	-8.93	8.93	3	Vertical	6	1.50	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

01/06/2019



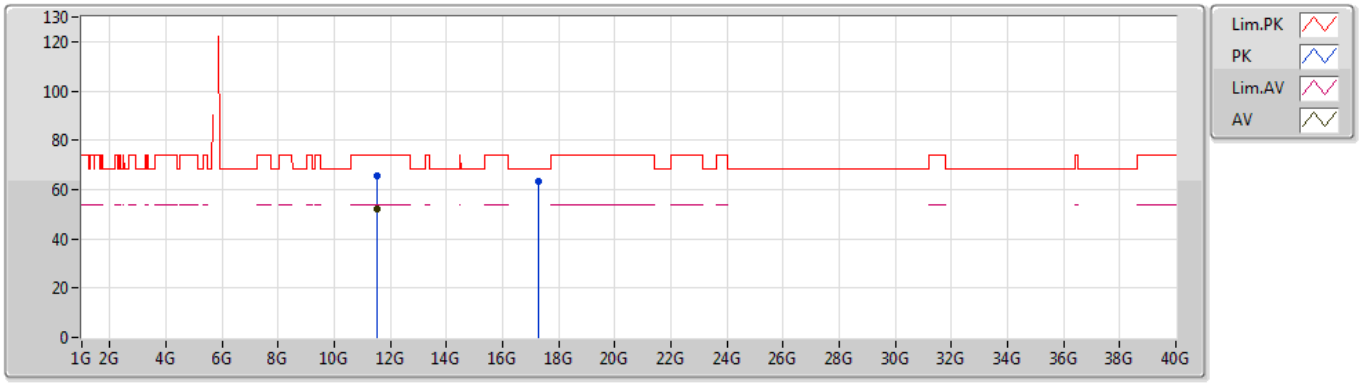
EUT Z_4TX
Setting 26
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.65G	65.35	68.20	-2.85	8.66	3	Horizontal	126	1.56	-
PK	5.75G	119.38	Inf	-Inf	8.83	3	Horizontal	126	1.56	-
AV	5.749G	106.74	Inf	-Inf	8.82	3	Horizontal	126	1.56	-
PK	5.937G	58.73	68.20	-9.47	8.93	3	Horizontal	126	1.56	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

01/06/2019



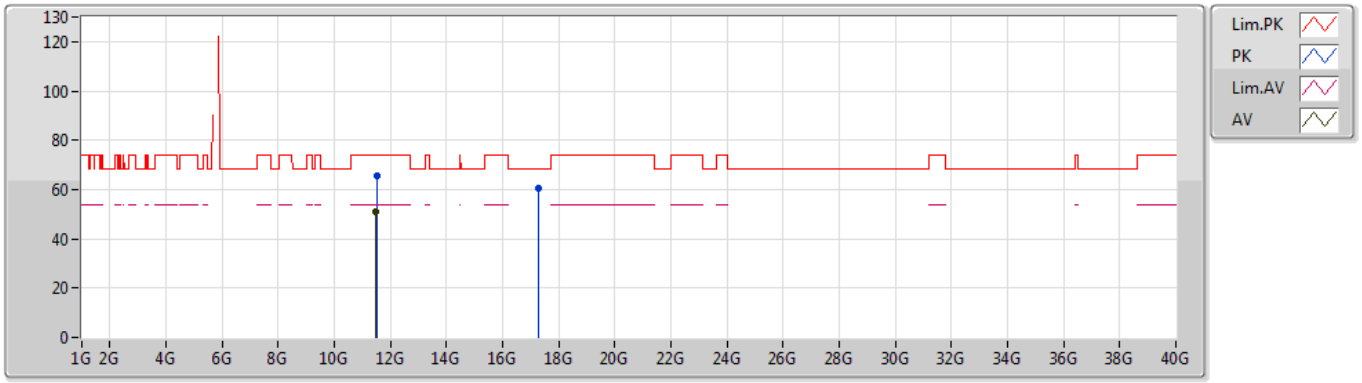
EUT Z_4TX
Setting 26
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.501G	65.83	74.00	-8.17	14.91	3	Vertical	193	2.04	-
AV	11.50142G	52.33	54.00	-1.67	14.91	3	Vertical	193	2.04	-
PK	17.2746G	63.46	68.20	-4.74	20.95	3	Vertical	171	1.58	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

01/06/2019



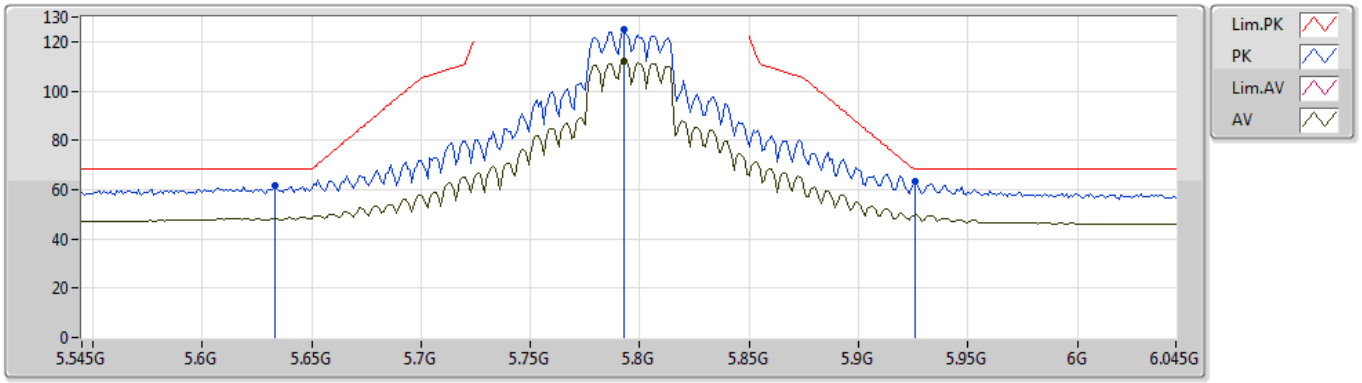
EUT Z_4TX
Setting 26
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51642G	65.38	74.00	-8.62	14.92	3	Horizontal	137	1.46	-
AV	11.49638G	51.05	54.00	-2.95	14.90	3	Horizontal	137	1.46	-
PK	17.2656G	60.29	68.20	-7.91	20.89	3	Horizontal	184	1.49	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

01/06/2019



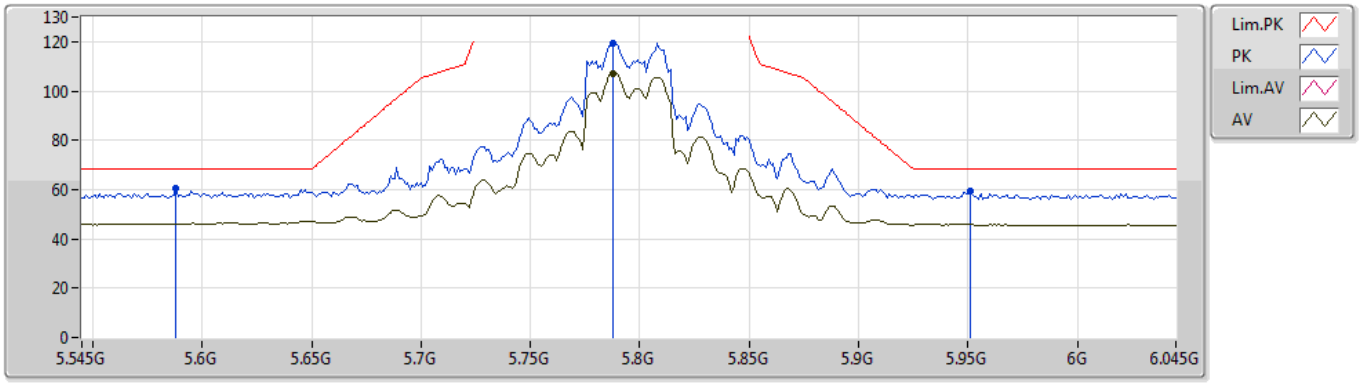
EUT Z_4TX
Setting 26
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.633G	61.89	68.20	-6.31	8.64	3	Vertical	359	1.50	-
PK	5.793G	124.74	Inf	-Inf	8.89	3	Vertical	359	1.50	-
AV	5.793G	112.12	Inf	-Inf	8.89	3	Vertical	359	1.50	-
PK	5.926G	63.35	68.20	-4.85	8.93	3	Vertical	359	1.50	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

01/06/2019



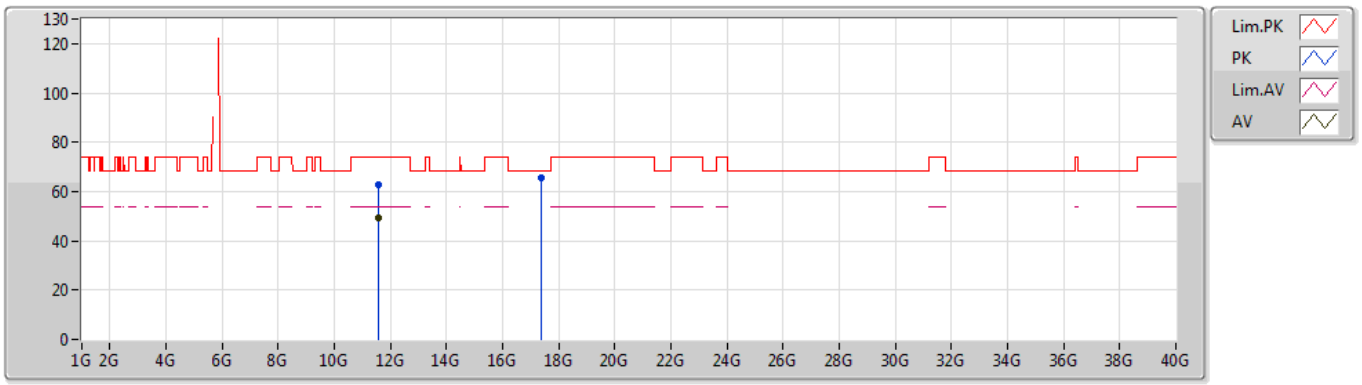
EUT Z_4TX
Setting 26
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.588G	60.28	68.20	-7.92	8.57	3	Horizontal	5	1.49	-
PK	5.788G	119.55	Inf	-Inf	8.87	3	Horizontal	5	1.49	-
AV	5.788G	107.21	Inf	-Inf	8.87	3	Horizontal	5	1.49	-
PK	5.951G	59.20	68.20	-9.00	8.92	3	Horizontal	5	1.49	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

01/06/2019



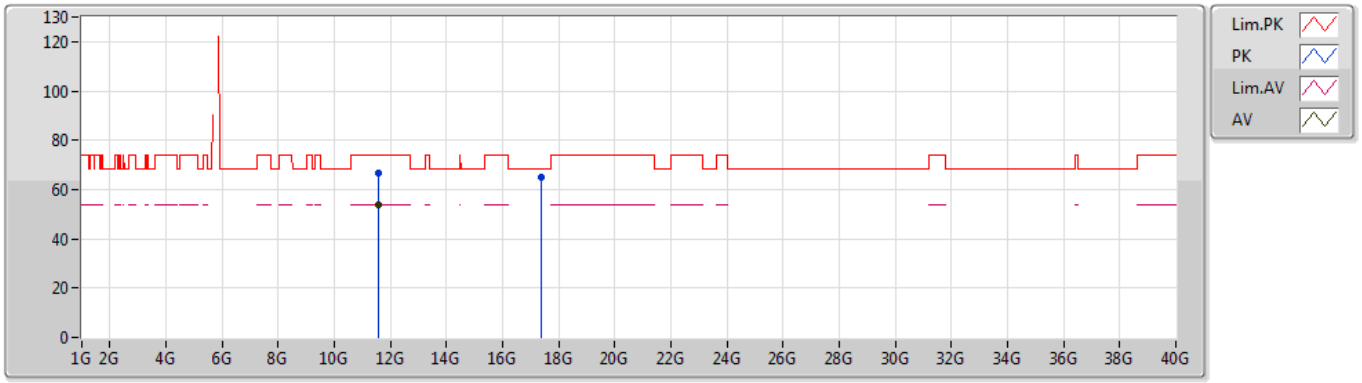
EUT Z_4TX
Setting 26
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.58256G	62.51	74.00	-11.49	15.02	3	Vertical	167	2.83	-
AV	11.58214G	49.18	54.00	-4.82	15.02	3	Vertical	167	2.83	-
PK	17.39778G	65.31	68.20	-2.89	21.68	3	Vertical	191	2.97	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

01/06/2019



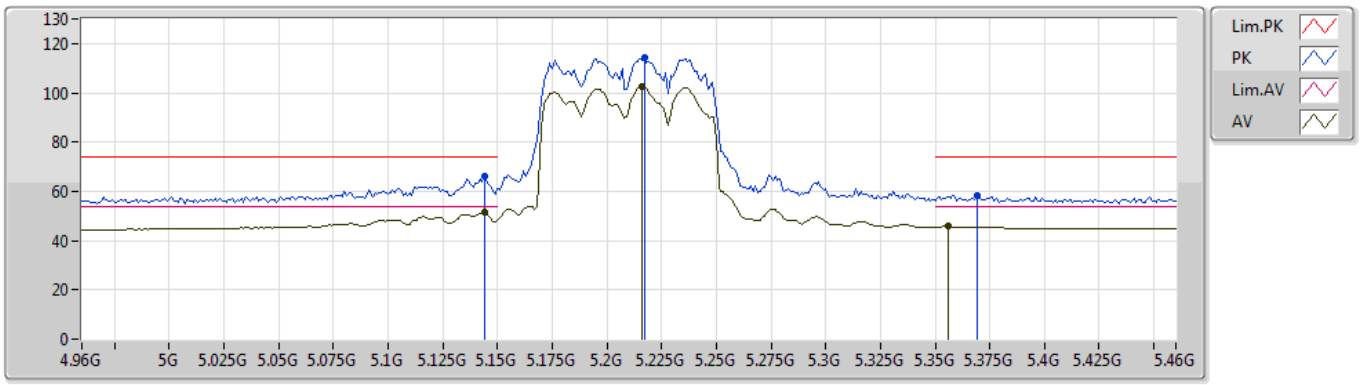
EUT Z_4TX
Setting 26
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.58796G	66.73	74.00	-7.27	15.02	3	Horizontal	129	1.18	-
AV	11.58904G	53.57	54.00	-0.43	15.02	3	Horizontal	129	1.18	-
PK	17.37894G	65.12	68.20	-3.08	21.56	3	Horizontal	139	1.41	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

01/06/2019



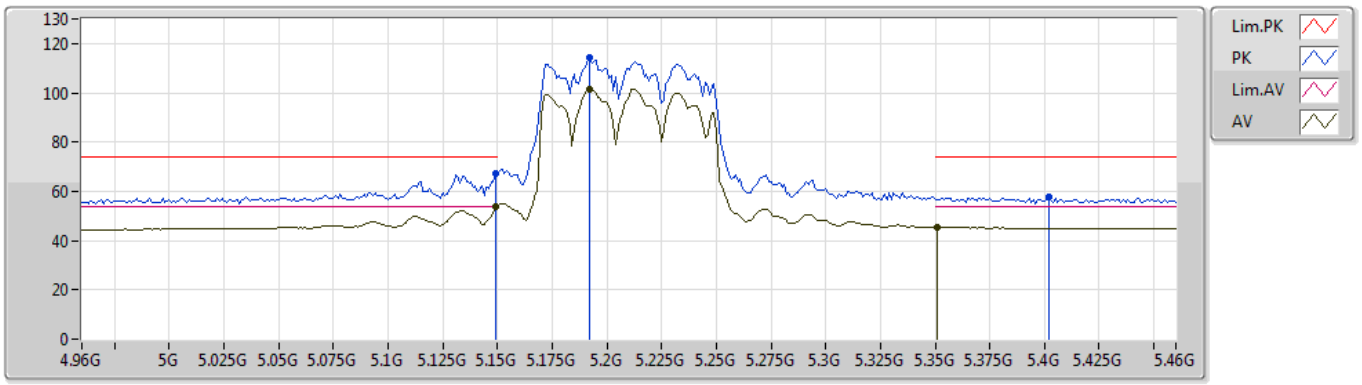
EUT Z_4TX
Setting 20
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.144G	65.86	74.00	-8.14	7.94	3	Vertical	192	1.50	-
AV	5.144G	51.32	54.00	-2.68	7.94	3	Vertical	192	1.50	-
PK	5.217G	114.47	Inf	-Inf	8.09	3	Vertical	192	1.50	-
AV	5.216G	102.49	Inf	-Inf	8.08	3	Vertical	192	1.50	-
PK	5.369G	58.05	74.00	-15.95	8.30	3	Vertical	192	1.50	-
AV	5.356G	45.73	54.00	-8.27	8.28	3	Vertical	192	1.50	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

01/06/2019



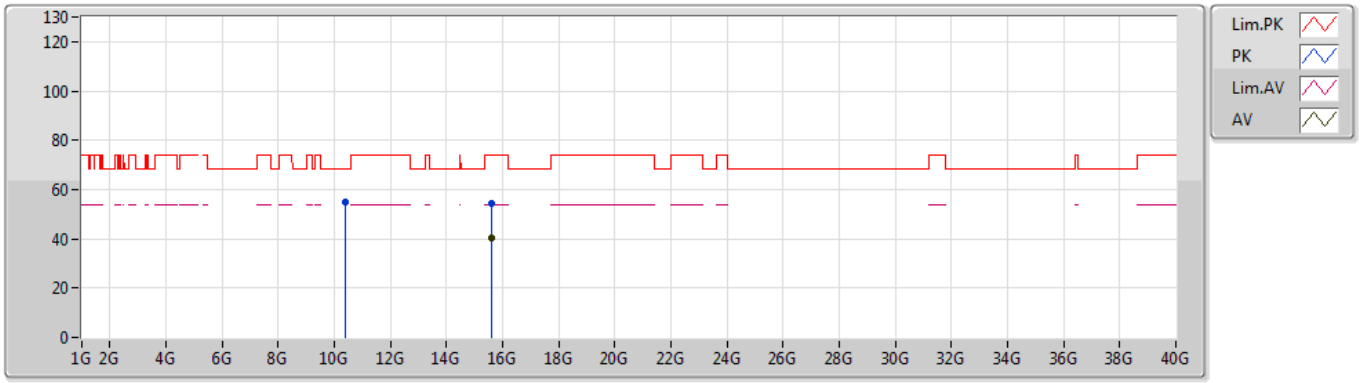
EUT Z_4TX
Setting 20
02-N-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.149G	67.32	74.00	-6.68	7.94	3	Horizontal	232	1.50	-
AV	5.149G	53.79	54.00	-0.21	7.94	3	Horizontal	232	1.50	-
PK	5.192G	114.21	Inf	-Inf	8.04	3	Horizontal	232	1.50	-
AV	5.192G	101.36	Inf	-Inf	8.04	3	Horizontal	232	1.50	-
PK	5.402G	57.64	74.00	-16.36	8.34	3	Horizontal	232	1.50	-
AV	5.351G	45.47	54.00	-8.53	8.28	3	Horizontal	232	1.50	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

01/06/2019



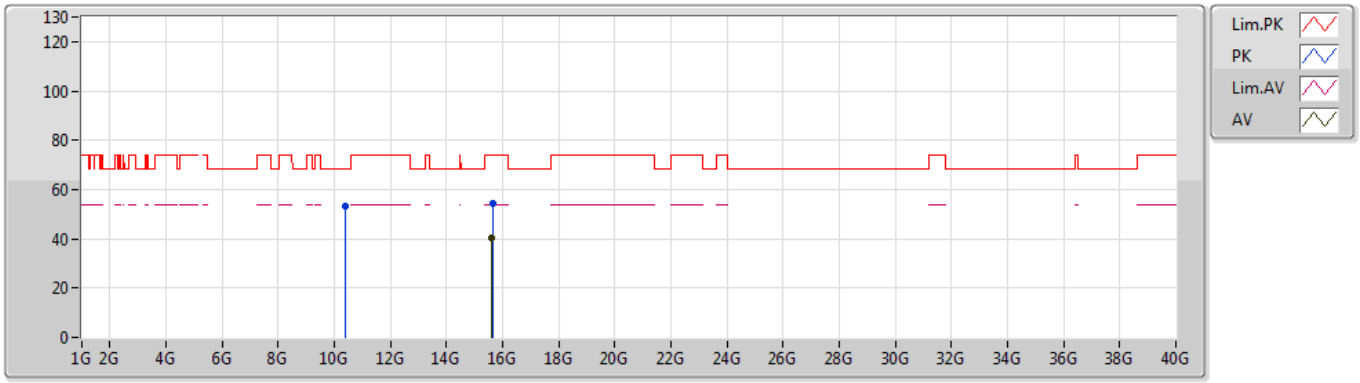
EUT Z_4TX
Setting 20
02-N-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.41456G	54.87	68.20	-13.33	14.62	3	Vertical	138	2.03	-
PK	15.62704G	54.53	74.00	-19.47	15.84	3	Vertical	309	2.01	-
AV	15.62548G	40.45	54.00	-13.55	15.85	3	Vertical	309	2.01	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

01/06/2019



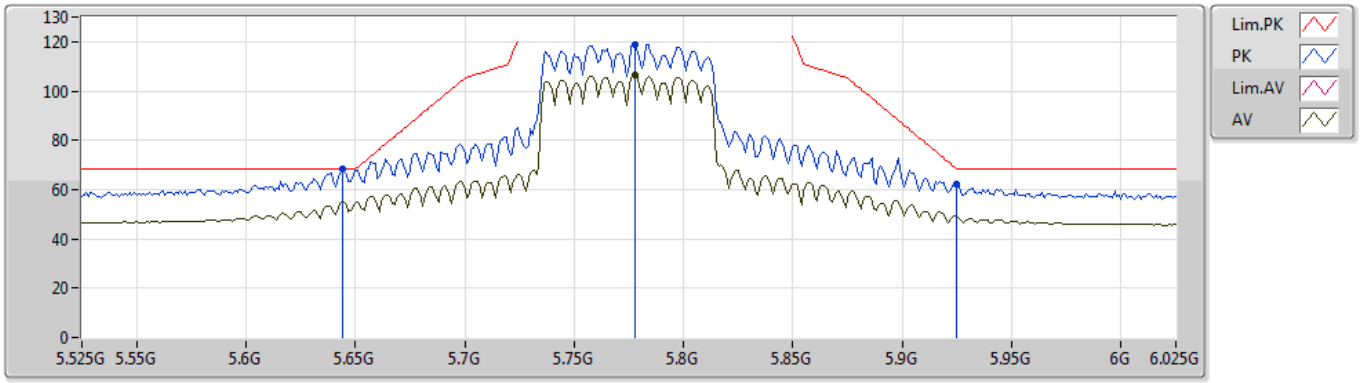
EUT Z_4TX
Setting 20
02-N-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.41368G	53.16	68.20	-15.04	14.62	3	Horizontal	294	2.33	-
PK	15.63556G	54.41	74.00	-19.59	15.82	3	Horizontal	356	1.46	-
AV	15.62116G	40.37	54.00	-13.63	15.85	3	Horizontal	356	1.46	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

01/06/2019



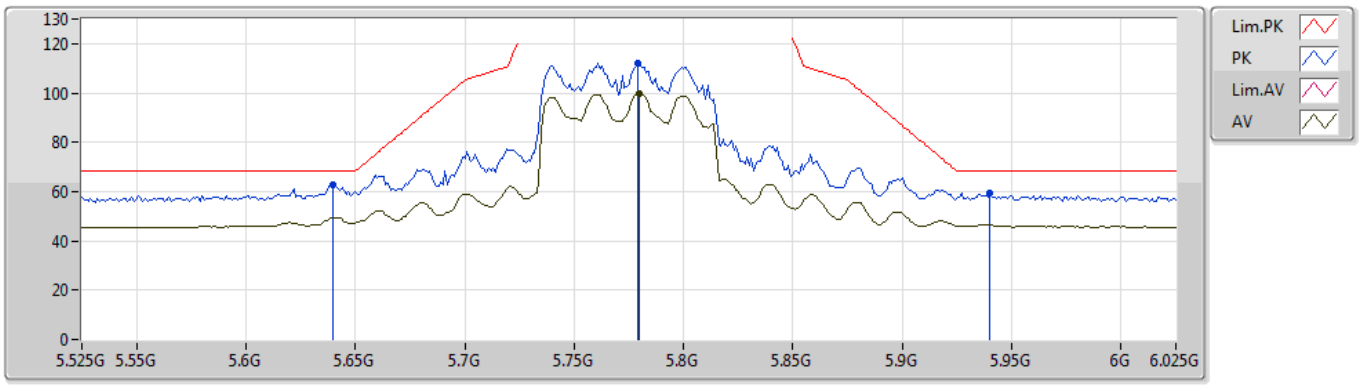
EUT Z_4TX
Setting 23
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.644G	68.11	68.20	-0.09	8.66	3	Vertical	334	1.35	-
PK	5.778G	118.91	Inf	-Inf	8.87	3	Vertical	334	1.35	-
AV	5.778G	106.23	Inf	-Inf	8.87	3	Vertical	334	1.35	-
PK	5.925G	61.96	68.20	-6.24	8.93	3	Vertical	334	1.35	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

01/06/2019



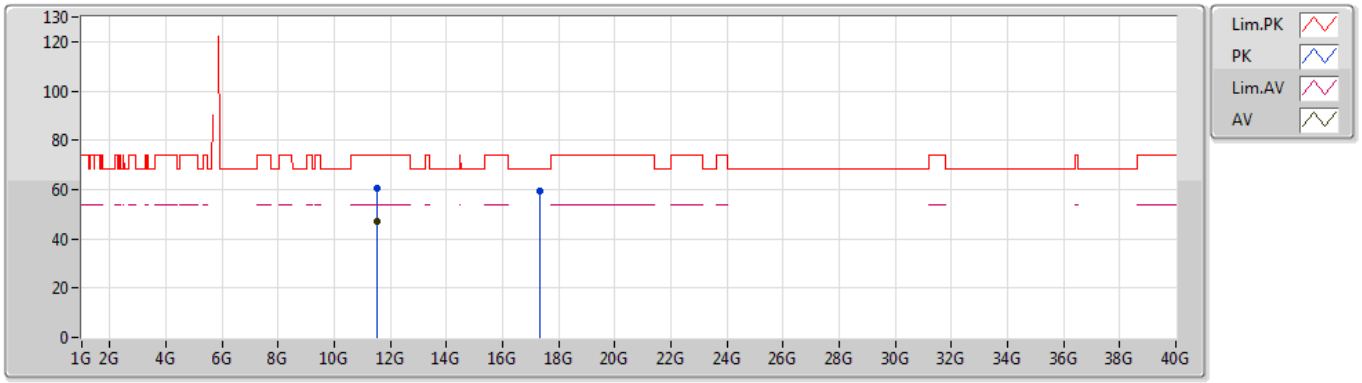
EUT Z_4TX
Setting 23
02-G-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.64G	62.68	68.20	-5.52	8.65	3	Horizontal	150	1.43	-
PK	5.779G	112.00	Inf	-Inf	8.87	3	Horizontal	150	1.43	-
AV	5.78G	99.92	Inf	-Inf	8.87	3	Horizontal	150	1.43	-
PK	5.94G	59.25	68.20	-8.95	8.93	3	Horizontal	150	1.43	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

01/06/2019



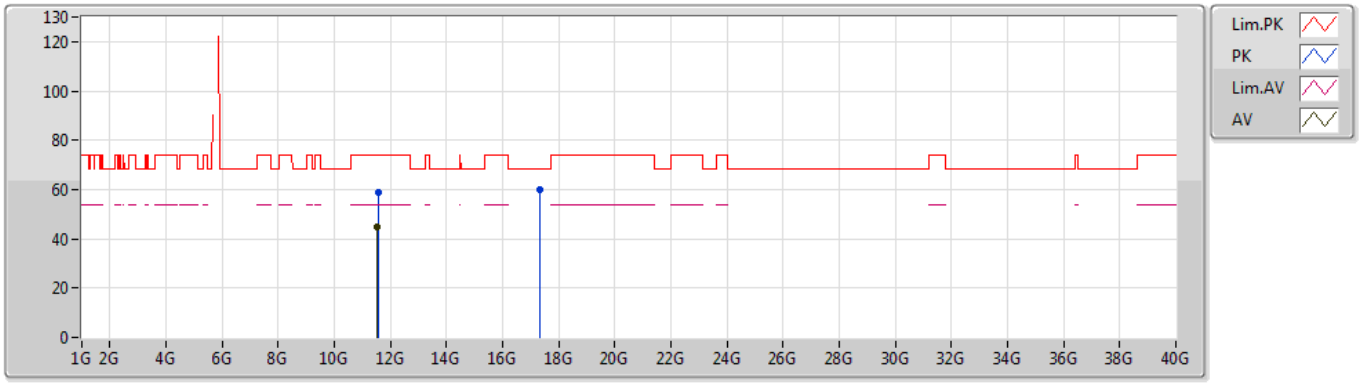
EUT Z_4TX
Setting 23
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.54034G	60.57	74.00	-13.43	14.96	3	Vertical	187	2.03	-
AV	11.54184G	46.92	54.00	-7.08	14.96	3	Vertical	187	2.03	-
PK	17.31816G	59.65	68.20	-8.55	21.21	3	Vertical	277	1.89	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

01/06/2019



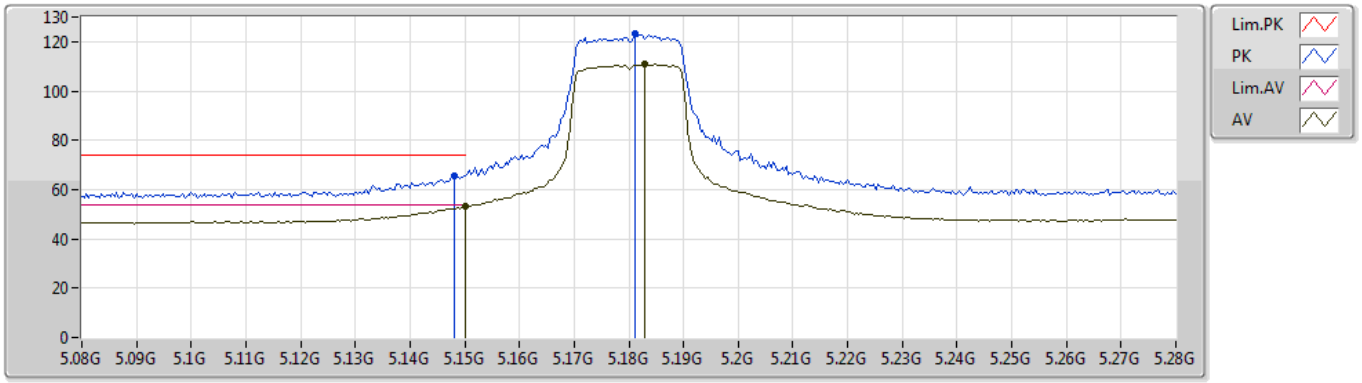
EUT Z_4TX
Setting 23
02-G-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.55996G	58.65	74.00	-15.35	14.99	3	Horizontal	103	1.67	-
AV	11.54148G	44.94	54.00	-9.06	14.96	3	Horizontal	103	1.67	-
PK	17.31276G	60.16	68.20	-8.04	21.17	3	Horizontal	137	1.67	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

10/06/2019



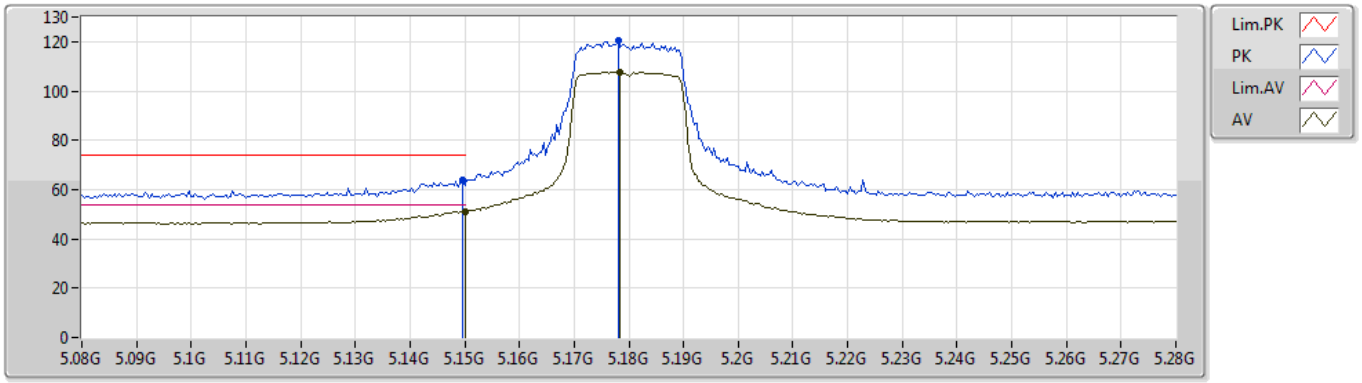
EUT Z_4TX
Setting 28
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.148G	65.57	74.00	-8.43	7.94	3	Vertical	265	2.19	-
AV	5.15G	53.27	54.00	-0.73	7.94	3	Vertical	265	2.19	-
PK	5.1812G	123.08	Inf	-Inf	8.02	3	Vertical	265	2.19	-
AV	5.1828G	110.96	Inf	-Inf	8.02	3	Vertical	265	2.19	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

10/06/2019



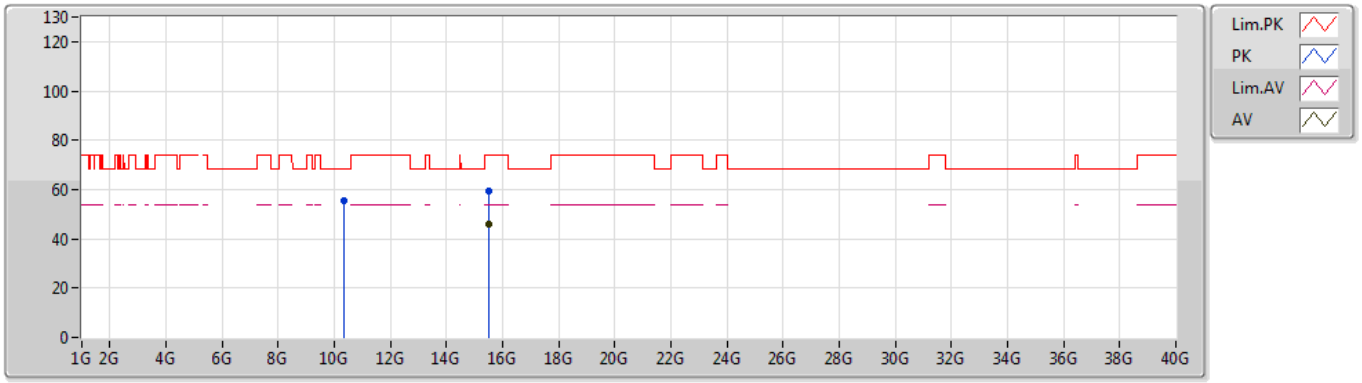
EUT Z_4TX
Setting 28
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1496G	63.61	74.00	-10.39	7.94	3	Horizontal	278	1.51	-
AV	5.15G	51.16	54.00	-2.84	7.94	3	Horizontal	278	1.51	-
PK	5.178G	120.53	Inf	-Inf	8.02	3	Horizontal	278	1.51	-
AV	5.1784G	107.59	Inf	-Inf	8.02	3	Horizontal	278	1.51	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

10/06/2019



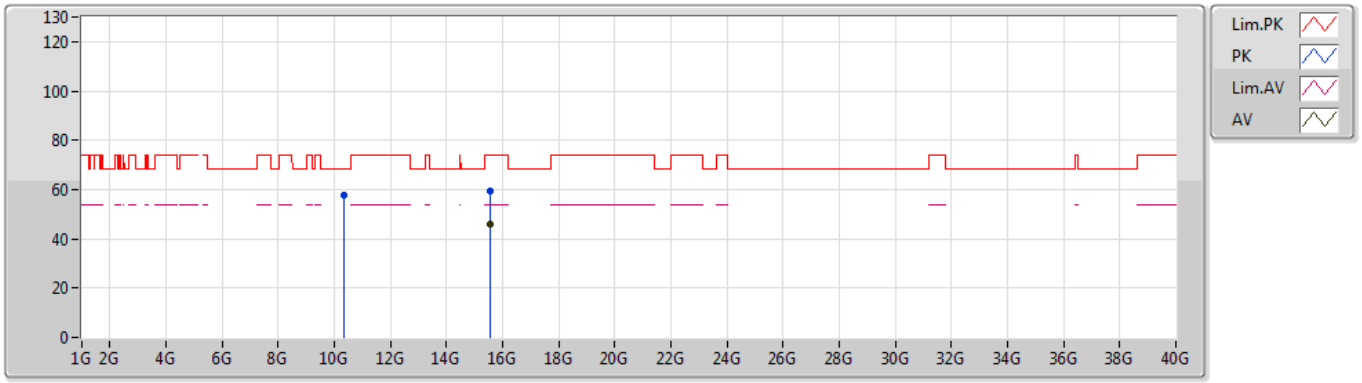
EUT Z_4TX
Setting 28
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.36036G	55.61	68.20	-12.59	14.66	3	Vertical	211	1.47	-
PK	15.52812G	59.61	74.00	-14.39	16.10	3	Vertical	218	1.84	-
AV	15.5313G	46.06	54.00	-7.94	16.10	3	Vertical	218	1.84	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

10/06/2019



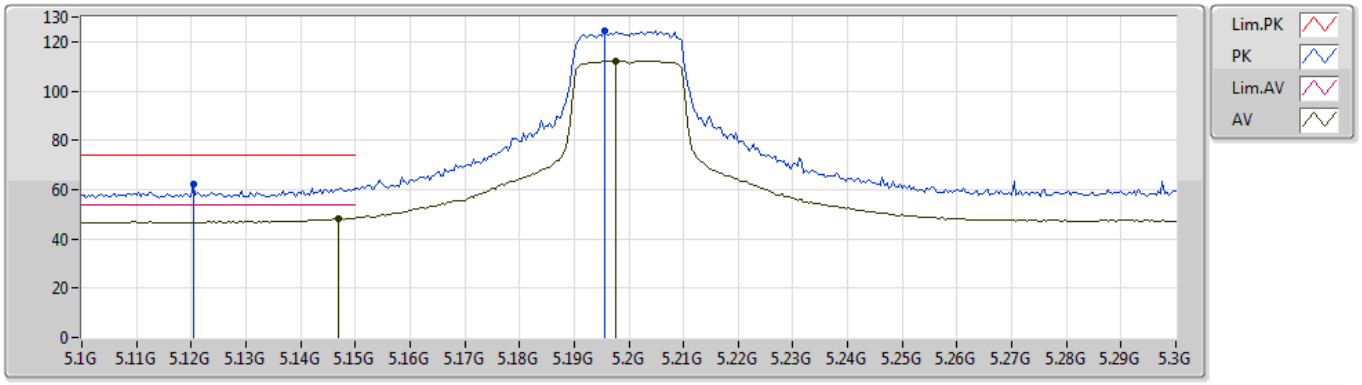
EUT Z_4TX
Setting 28
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.36216G	57.83	68.20	-10.37	14.66	3	Horizontal	138	1.50	-
PK	15.5479G	59.42	74.00	-14.58	16.08	3	Horizontal	98	1.70	-
AV	15.54058G	45.89	54.00	-8.11	16.10	3	Horizontal	98	1.70	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

10/06/2019



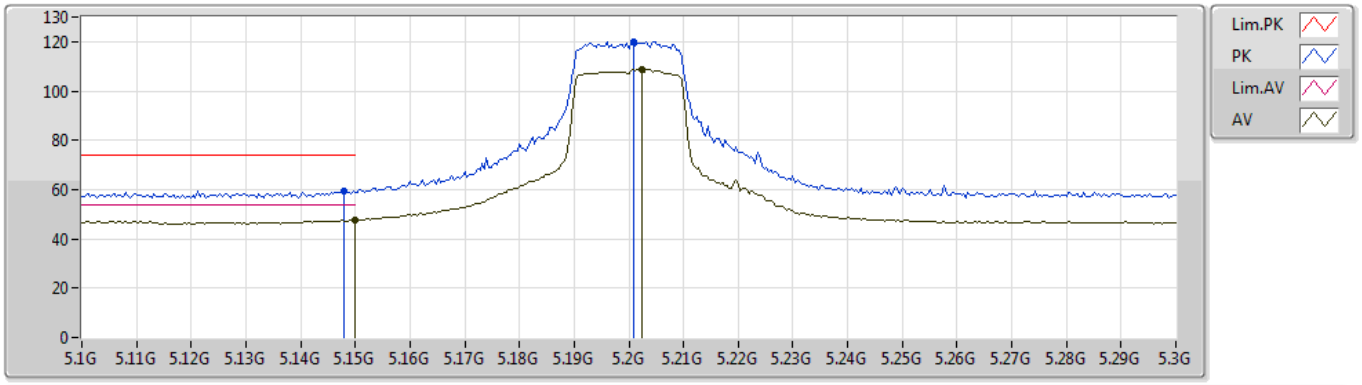
EUT Z_4TX
Setting 29
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1204G	62.47	74.00	-11.53	7.88	3	Vertical	271	2.01	-
AV	5.1468G	48.30	54.00	-5.70	7.94	3	Vertical	271	2.01	-
PK	5.1956G	124.24	Inf	-Inf	8.06	3	Vertical	271	2.01	-
AV	5.1976G	112.18	Inf	-Inf	8.06	3	Vertical	271	2.01	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

10/06/2019



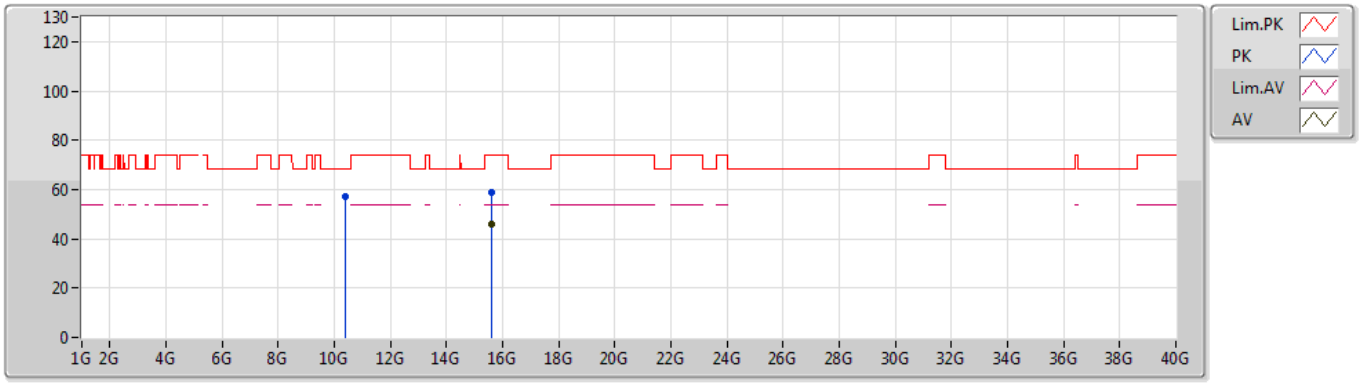
EUT Z_4TX
Setting 29
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.148G	59.47	74.00	-14.53	7.94	3	Horizontal	285	1.52	-
AV	5.15G	47.54	54.00	-6.46	7.94	3	Horizontal	285	1.52	-
PK	5.2008G	119.84	Inf	-Inf	8.06	3	Horizontal	285	1.52	-
AV	5.2024G	108.84	Inf	-Inf	8.06	3	Horizontal	285	1.52	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

10/06/2019



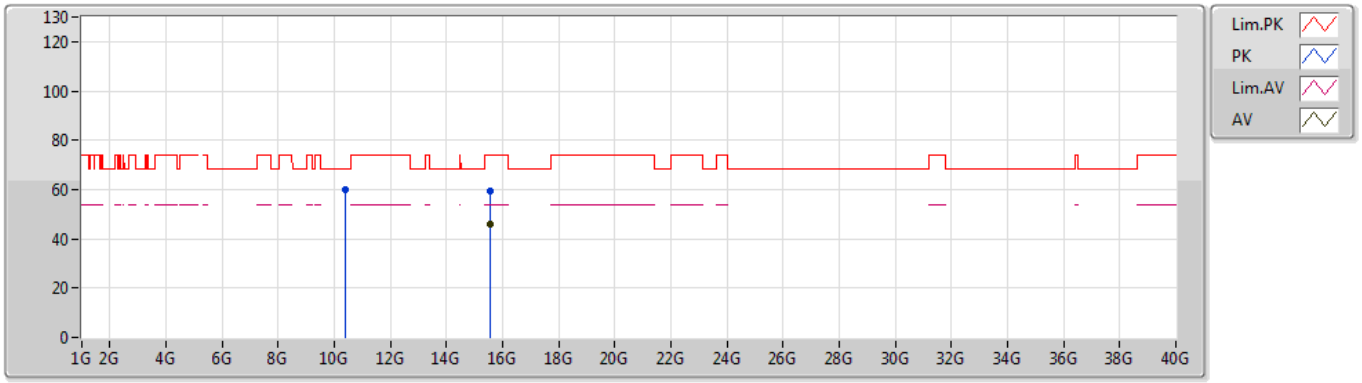
EUT Z_4TX
Setting 29
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.3973G	57.20	68.20	-11.00	14.63	3	Vertical	144	1.68	-
PK	15.5964G	59.06	74.00	-14.94	15.92	3	Vertical	223	2.26	-
AV	15.58896G	45.70	54.00	-8.30	15.93	3	Vertical	223	2.26	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

10/06/2019



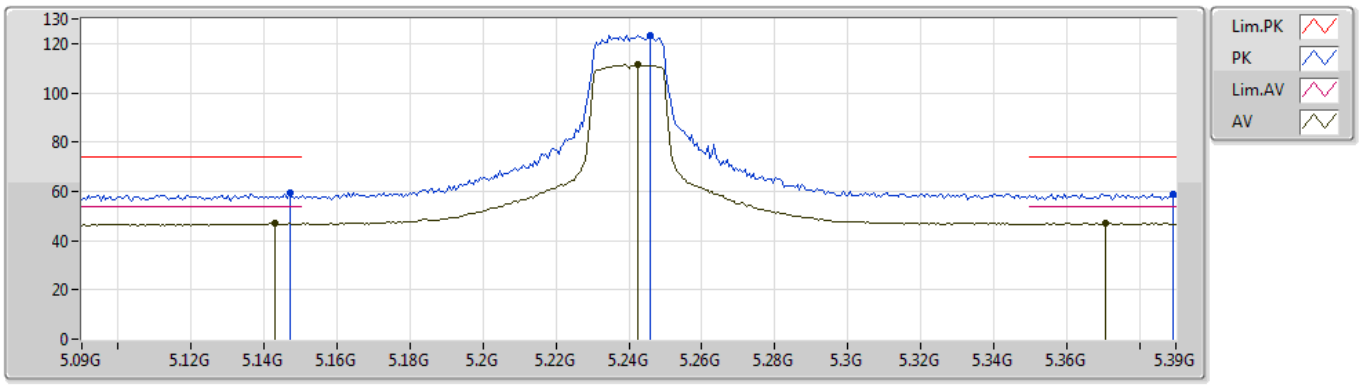
EUT Z_4TX
Setting 29
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.40276G	60.20	68.20	-8.00	14.64	3	Horizontal	139	1.54	-
PK	15.56506G	59.53	74.00	-14.47	15.94	3	Horizontal	146	1.53	-
AV	15.56512G	45.80	54.00	-8.20	15.94	3	Horizontal	146	1.53	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

10/06/2019



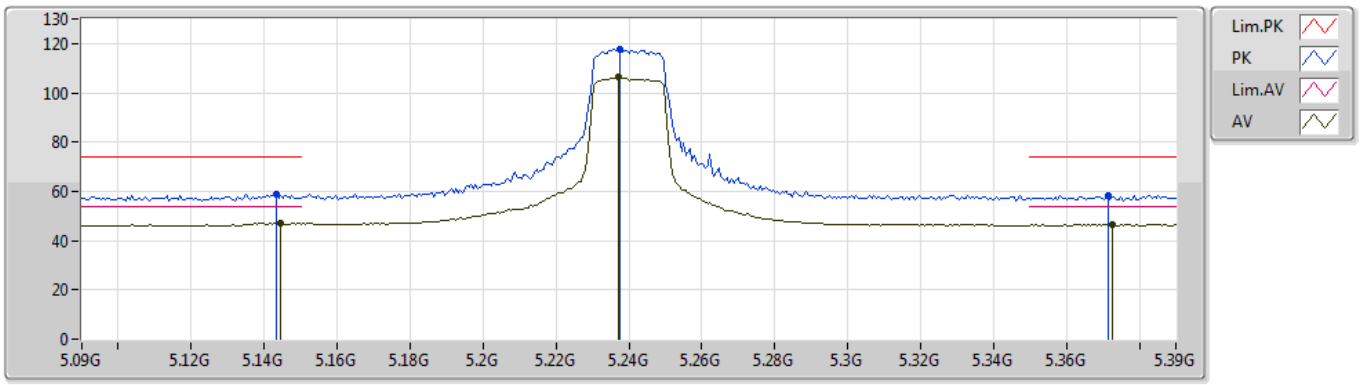
EUT Z_4TX
Setting 29
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.147G	59.46	74.00	-14.54	7.94	3	Vertical	273	1.98	-
AV	5.1428G	46.90	54.00	-7.10	7.94	3	Vertical	273	1.98	-
PK	5.246G	123.24	Inf	-Inf	8.13	3	Vertical	273	1.98	-
AV	5.2424G	111.34	Inf	-Inf	8.12	3	Vertical	273	1.98	-
PK	5.3894G	59.07	74.00	-14.93	8.33	3	Vertical	273	1.98	-
AV	5.3708G	47.09	54.00	-6.91	8.30	3	Vertical	273	1.98	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

10/06/2019



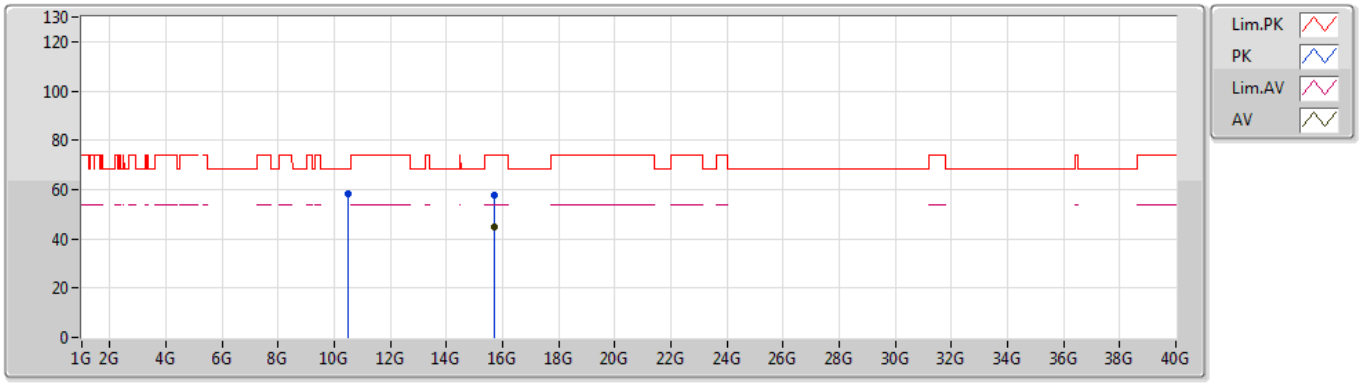
EUT Z_4TX
Setting 29
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1434G	58.61	74.00	-15.39	7.94	3	Horizontal	277	1.56	-
AV	5.1446G	47.04	54.00	-6.96	7.94	3	Horizontal	277	1.56	-
PK	5.2376G	117.66	Inf	-Inf	8.12	3	Horizontal	277	1.56	-
AV	5.237G	106.20	Inf	-Inf	8.11	3	Horizontal	277	1.56	-
PK	5.3714G	58.41	74.00	-15.59	8.30	3	Horizontal	277	1.56	-
AV	5.3726G	46.53	54.00	-7.47	8.30	3	Horizontal	277	1.56	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

10/06/2019



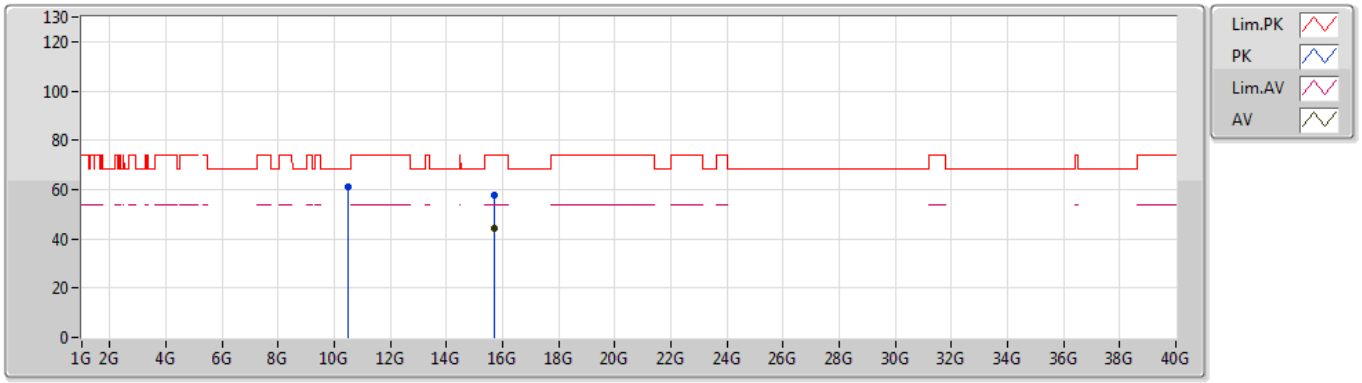
EUT Z_4TX
Setting 29
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.47634G	58.12	68.20	-10.08	14.59	3	Vertical	173	1.39	-
PK	15.72684G	57.82	74.00	-16.18	15.58	3	Vertical	243	2.16	-
AV	15.71964G	44.59	54.00	-9.41	15.60	3	Vertical	243	2.16	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

10/06/2019



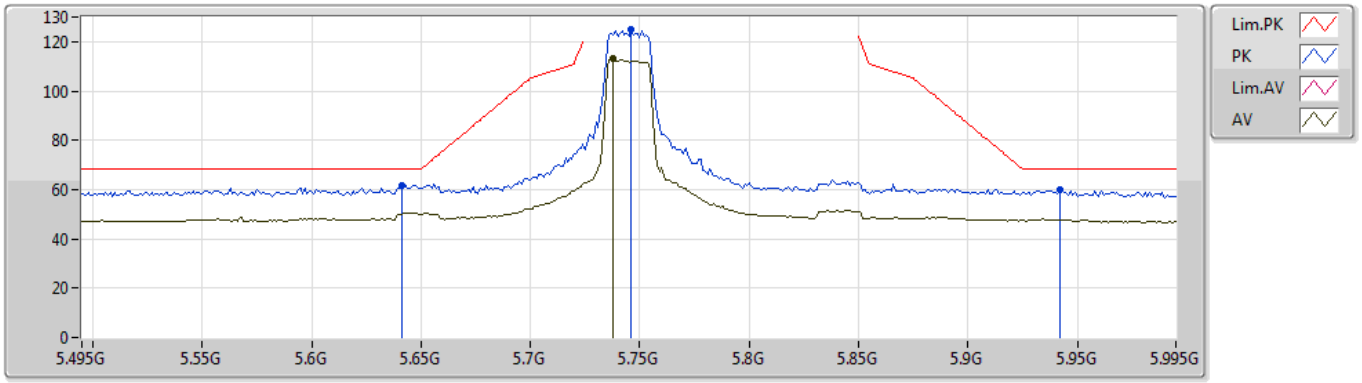
EUT Z_4TX
Setting 29
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.47736G	61.12	68.20	-7.08	14.59	3	Horizontal	139	1.60	-
PK	15.71586G	57.96	74.00	-16.04	15.61	3	Horizontal	351	1.64	-
AV	15.70824G	44.54	54.00	-9.46	15.63	3	Horizontal	351	1.64	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/06/2019

5745MHz_TX



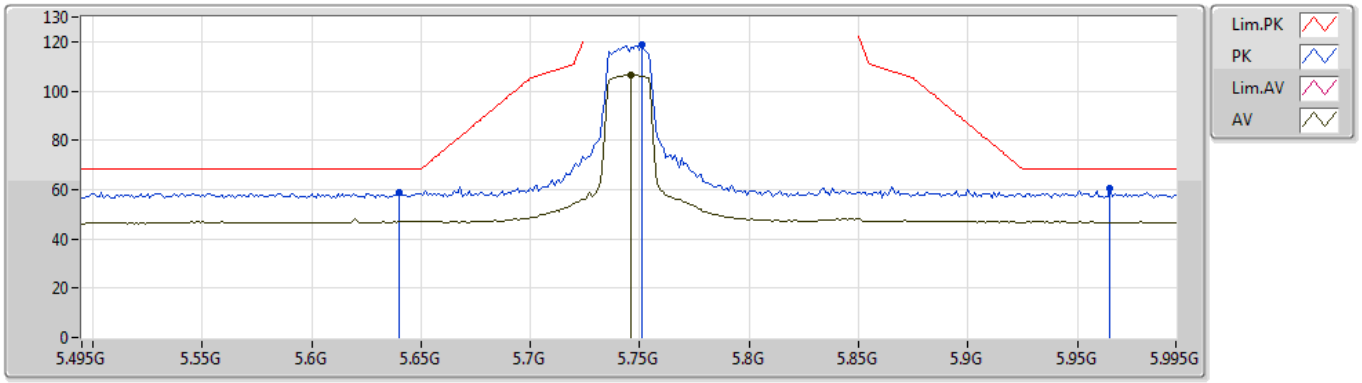
EUT Z_4TX
Setting 29
02-B-4-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.641G	61.57	68.20	-6.63	8.65	3	Vertical	14	1.50	-
PK	5.746G	124.68	Inf	-Inf	8.82	3	Vertical	14	1.50	-
AV	5.738G	112.96	Inf	-Inf	8.80	3	Vertical	14	1.50	-
PK	5.942G	59.85	68.20	-8.35	8.94	3	Vertical	14	1.50	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/06/2019

5745MHz_TX



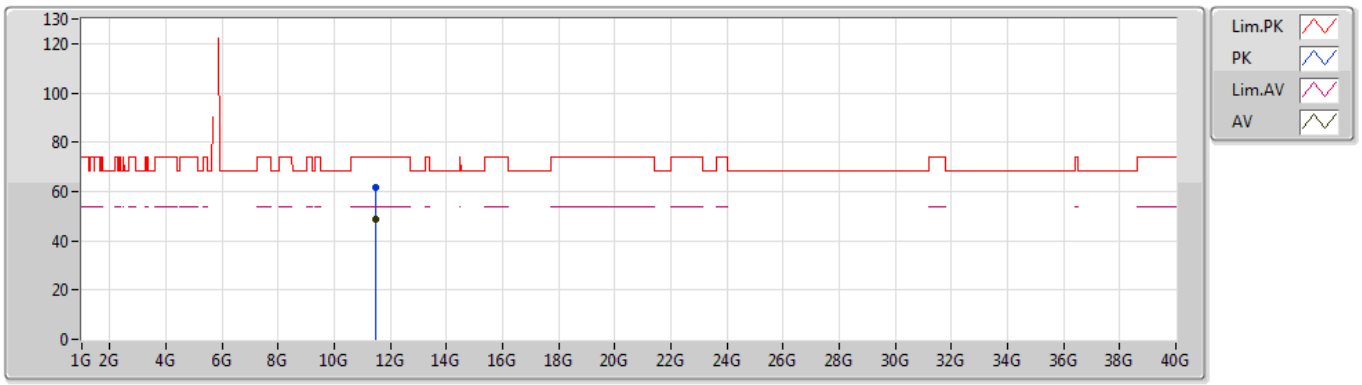
EUT Z_4TX
Setting 29
02-B-4-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.64G	58.87	68.20	-9.33	8.65	3	Horizontal	200	1.36	-
PK	5.751G	118.59	Inf	-Inf	8.83	3	Horizontal	200	1.36	-
AV	5.746G	106.57	Inf	-Inf	8.82	3	Horizontal	200	1.36	-
PK	5.965G	60.38	68.20	-7.82	8.93	3	Horizontal	200	1.36	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/06/2019

5745MHz_TX



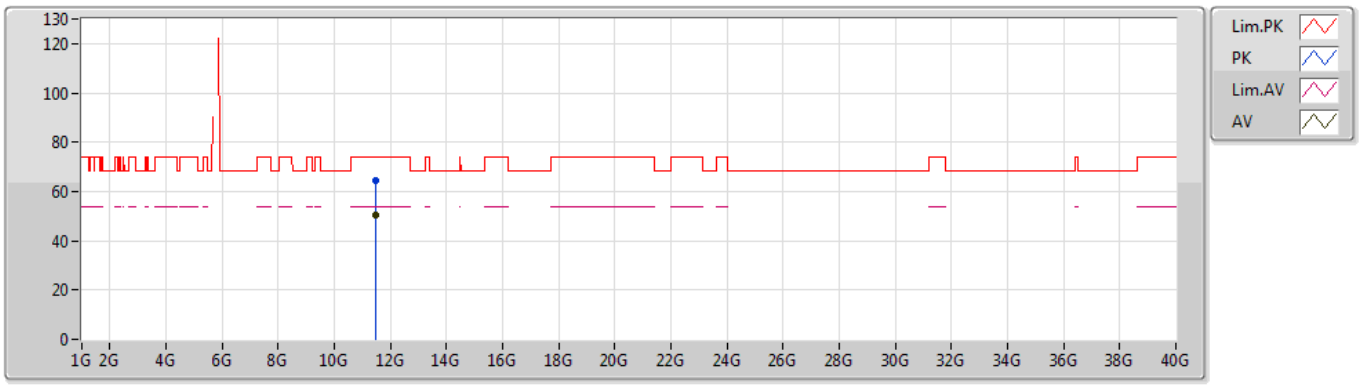
EUT Z_4TX
Setting 29
02-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.4888G	61.37	74.00	-12.63	14.89	3	Vertical	222	1.55	-
AV	11.49G	48.47	54.00	-5.53	14.89	3	Vertical	222	1.55	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/06/2019

5745MHz_TX



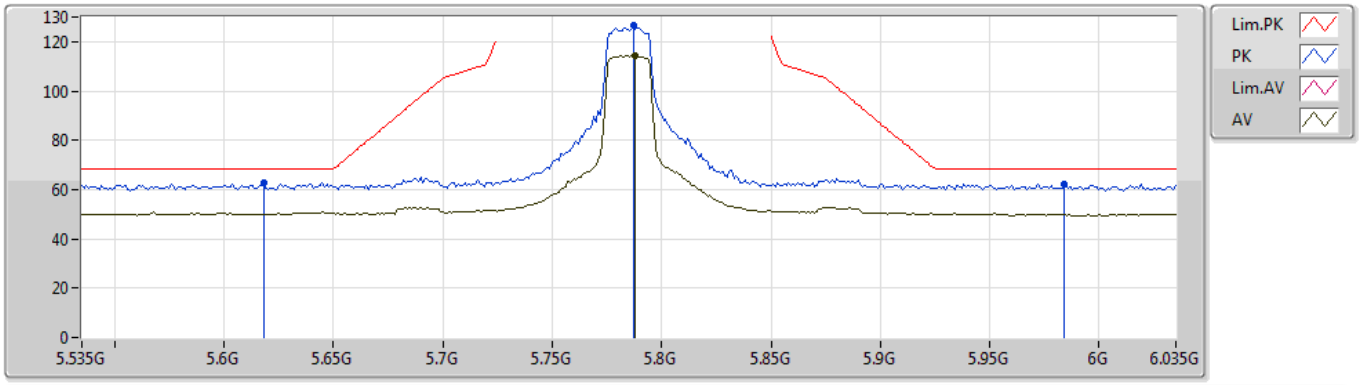
EUT Z_4TX
Setting 29
02-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.4921G	64.23	74.00	-9.77	14.89	3	Horizontal	94	1.04	-
AV	11.48748G	50.50	54.00	-3.50	14.89	3	Horizontal	94	1.04	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

11/06/2019



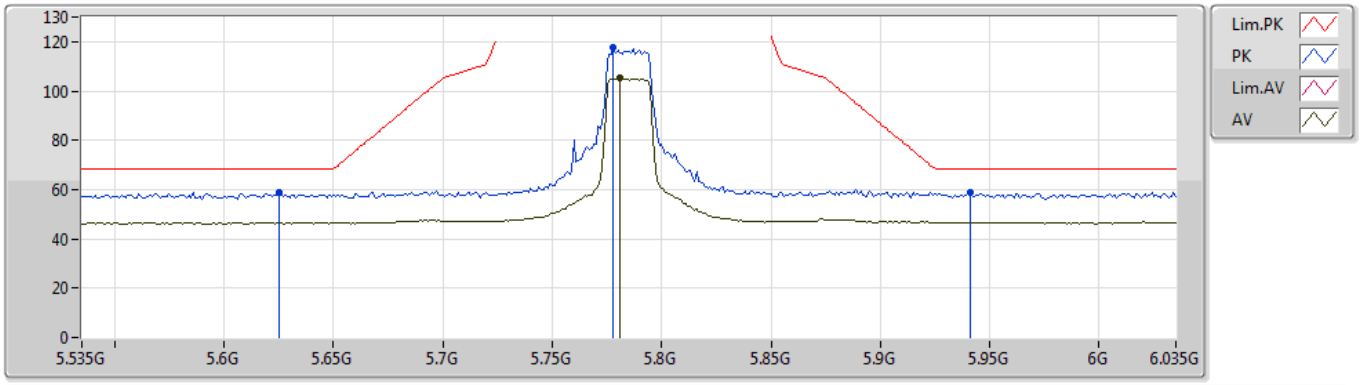
EUT Z_4TX
Setting 29
02-B-4-13
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.618G	62.53	68.20	-5.67	8.61	3	Vertical	358	1.56	-
PK	5.787G	126.39	Inf	-Inf	8.88	3	Vertical	358	1.56	-
AV	5.788G	114.25	Inf	-Inf	8.87	3	Vertical	358	1.56	-
PK	5.984G	62.19	68.20	-6.01	8.93	3	Vertical	358	1.56	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

11/06/2019



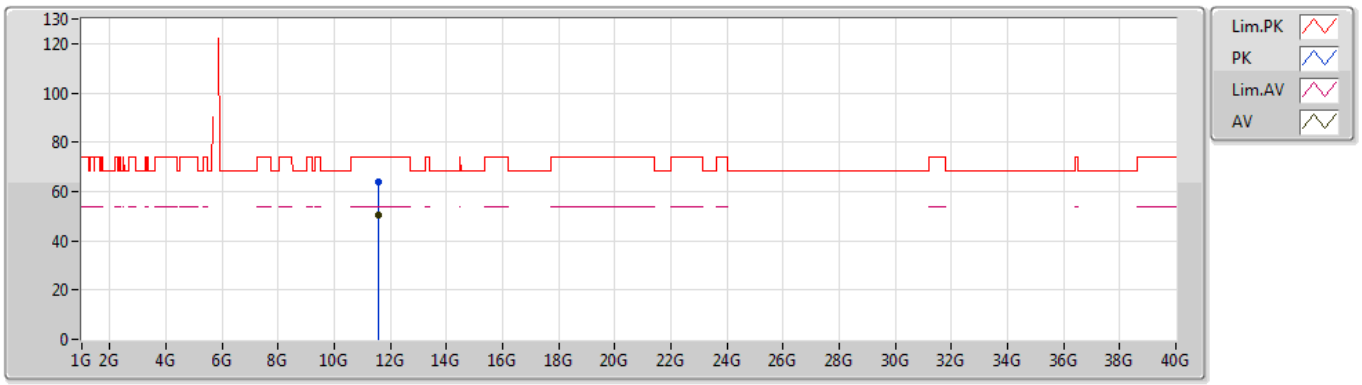
EUT Z_4TX
Setting 29
02-B-4-13
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.625G	58.68	68.20	-9.52	8.63	3	Horizontal	107	1.59	-
PK	5.778G	117.62	Inf	-Inf	8.87	3	Horizontal	107	1.59	-
AV	5.781G	105.13	Inf	-Inf	8.88	3	Horizontal	107	1.59	-
PK	5.941G	58.71	68.20	-9.49	8.93	3	Horizontal	107	1.59	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

11/06/2019



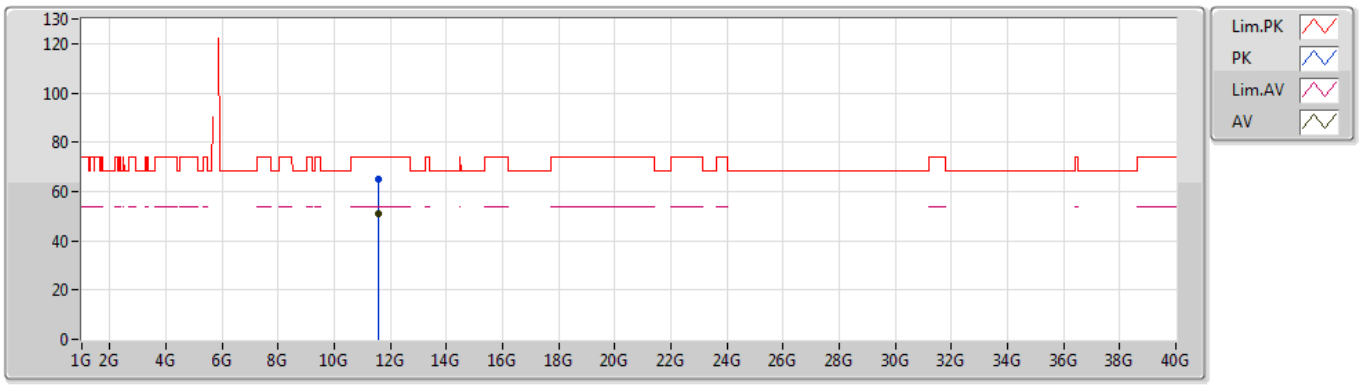
EUT Z_4TX
Setting 29
02-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56886G	63.74	74.00	-10.26	15.00	3	Vertical	157	1.67	-
AV	11.5706G	50.32	54.00	-3.68	15.00	3	Vertical	157	1.67	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/06/2019

5785MHz_TX



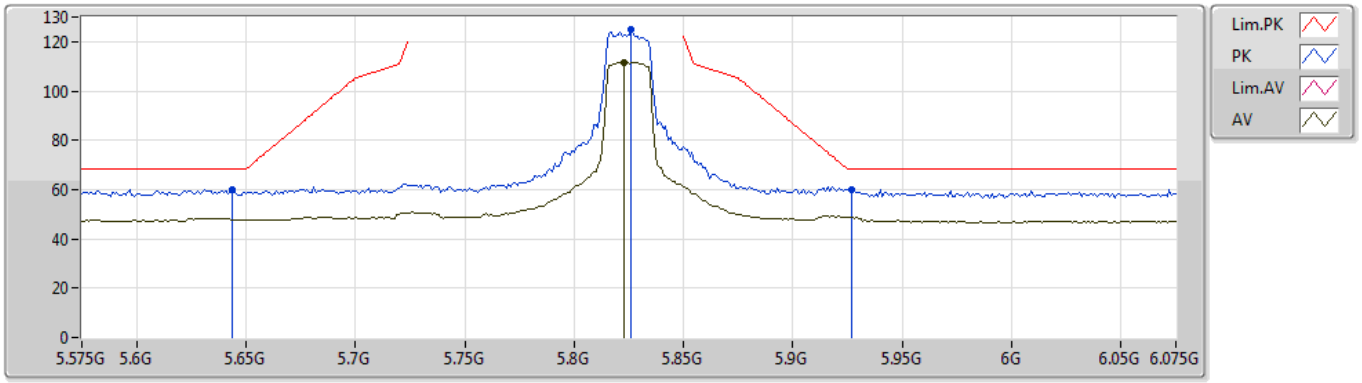
EUT Z_4TX
Setting 29
02-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56856G	65.21	74.00	-8.79	14.99	3	Horizontal	108	1.36	-
AV	11.56874G	51.09	54.00	-2.91	14.99	3	Horizontal	108	1.36	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/06/2019

5825MHz_TX



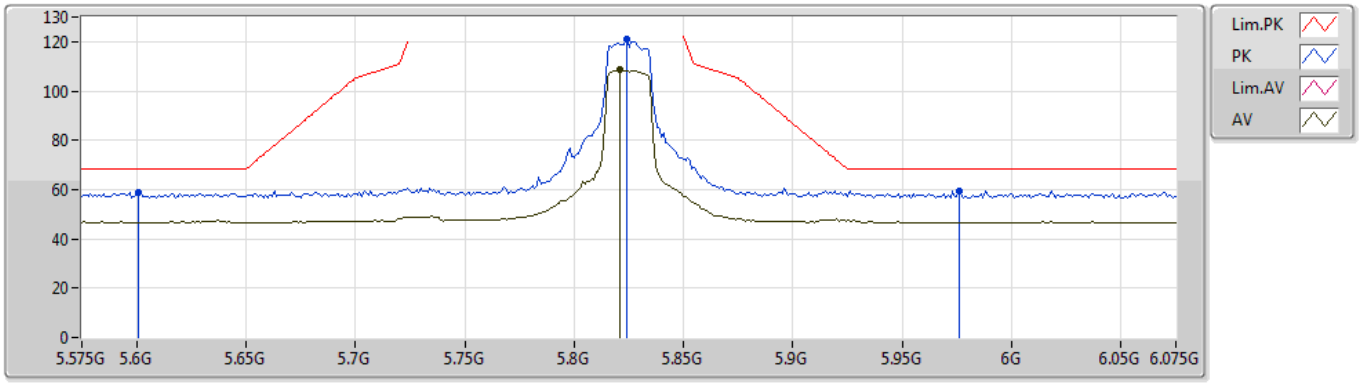
EUT Z_4TX
Setting 29
02-B-4-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.644G	59.81	68.20	-8.39	8.66	3	Vertical	357	2.01	-
PK	5.826G	124.80	Inf	-Inf	8.91	3	Vertical	357	2.01	-
AV	5.823G	111.76	Inf	-Inf	8.90	3	Vertical	357	2.01	-
PK	5.927G	60.00	68.20	-8.20	8.93	3	Vertical	357	2.01	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/06/2019

5825MHz_TX



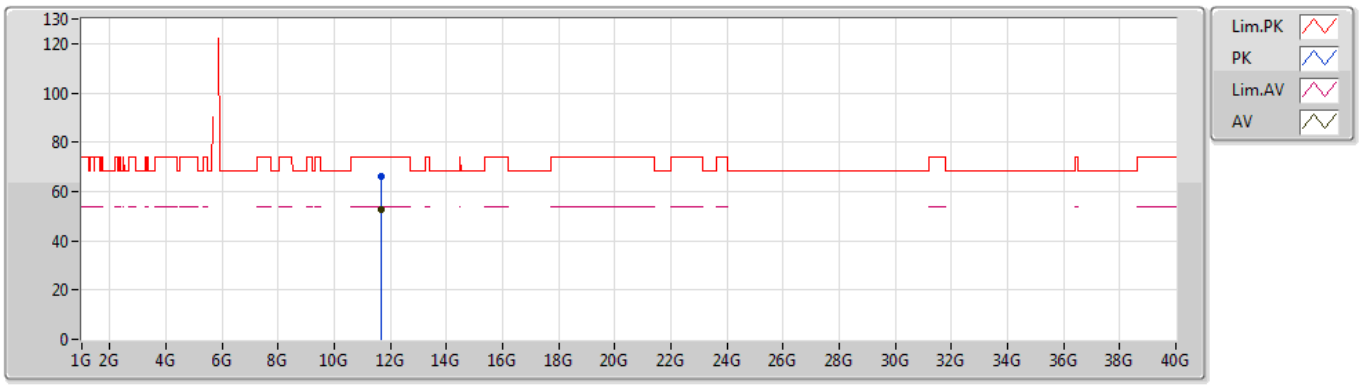
EUT Z_4TX
Setting 29
02-B-4-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.601G	59.08	68.20	-9.12	8.58	3	Horizontal	8	1.45	-
PK	5.824G	121.26	Inf	-Inf	8.90	3	Horizontal	8	1.45	-
AV	5.821G	108.51	Inf	-Inf	8.90	3	Horizontal	8	1.45	-
PK	5.976G	59.45	68.20	-8.75	8.94	3	Horizontal	8	1.45	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/06/2019

5825MHz_TX



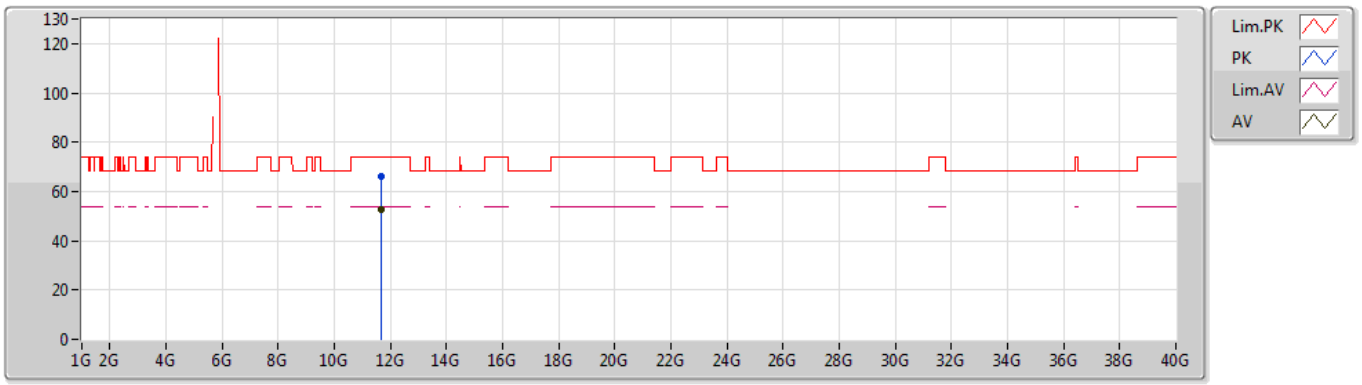
EUT Z_4TX
Setting 29
02-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.6503G	66.00	74.00	-8.00	15.09	3	Vertical	155	2.86	-
AV	11.65072G	52.88	54.00	-1.12	15.09	3	Vertical	155	2.86	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

11/06/2019

5825MHz_TX



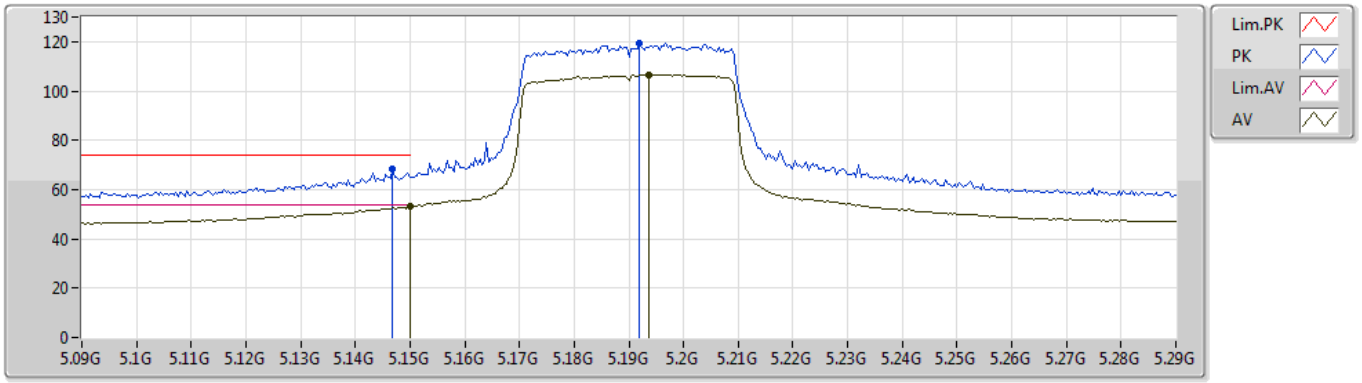
EUT Z_4TX
Setting 29
02-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.6518G	66.25	74.00	-7.75	15.10	3	Horizontal	108	1.14	-
AV	11.64886G	52.83	54.00	-1.17	15.09	3	Horizontal	108	1.14	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

11/06/2019

5190MHz_TX



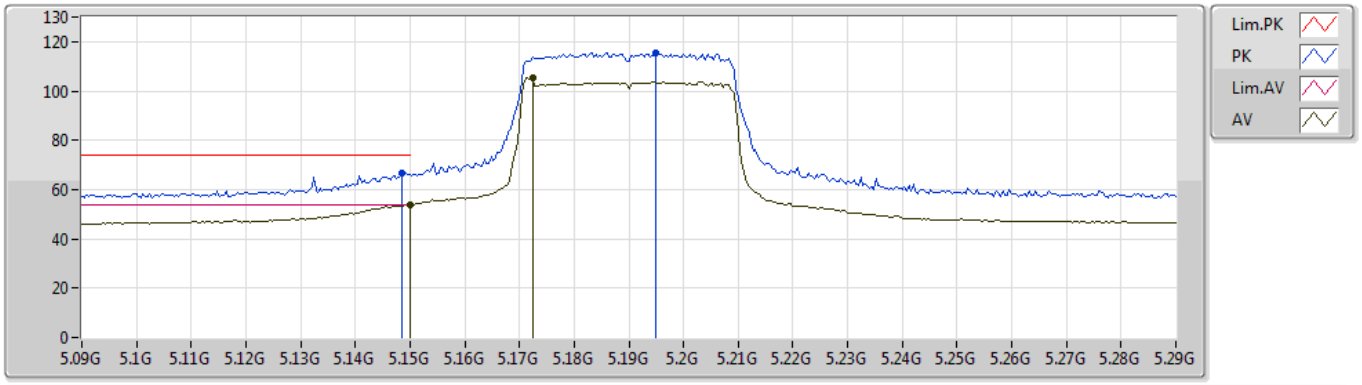
EUT Z_4TX
Setting 27
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1468G	68.40	74.00	-5.60	7.94	3	Vertical	275	1.99	-
AV	5.15G	53.36	54.00	-0.64	7.94	3	Vertical	275	1.99	-
PK	5.192G	119.38	Inf	-Inf	8.04	3	Vertical	275	1.99	-
AV	5.1936G	106.66	Inf	-Inf	8.04	3	Vertical	275	1.99	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

5190MHz_TX

11/06/2019



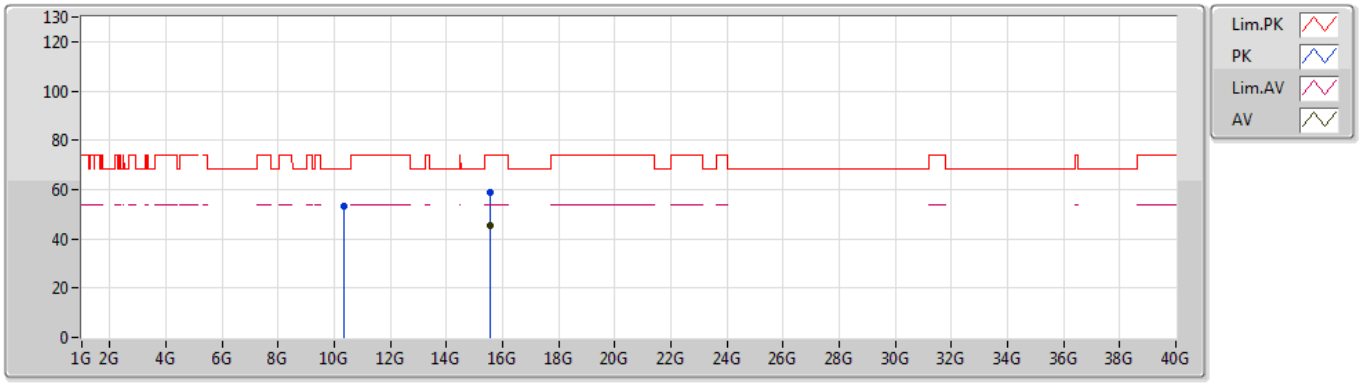
EUT Z_4TX
Setting 27
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1484G	66.77	74.00	-7.23	7.94	3	Horizontal	284	1.59	-
AV	5.15G	53.95	54.00	-0.05	7.94	3	Horizontal	284	1.59	-
PK	5.1948G	115.50	Inf	-Inf	8.05	3	Horizontal	284	1.59	-
AV	5.1724G	105.59	Inf	-Inf	8.00	3	Horizontal	284	1.59	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

5190MHz_TX

11/06/2019



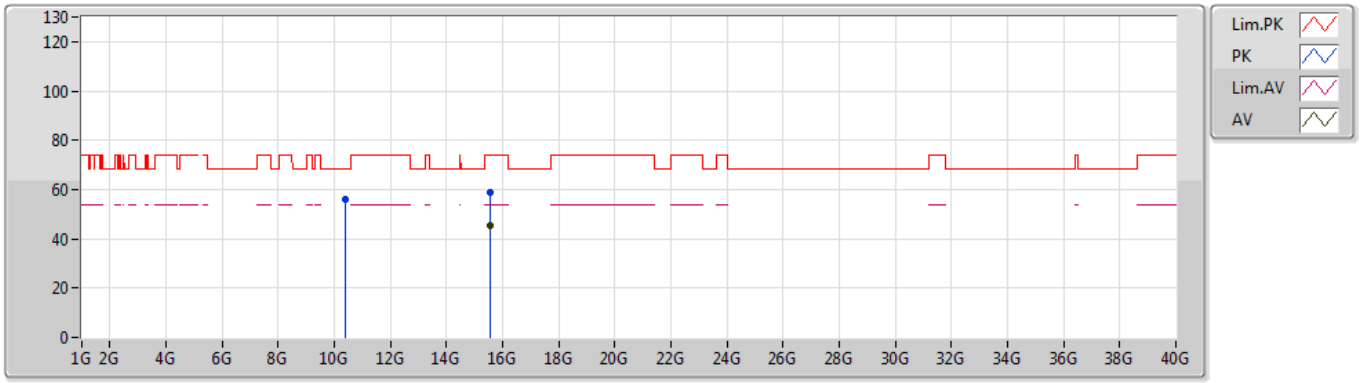
EUT Z_4TX
Setting 27
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.3632G	53.41	68.20	-14.79	14.66	3	Vertical	198	2.26	-
PK	15.5633G	58.94	74.00	-15.06	16.02	3	Vertical	274	1.07	-
AV	15.5689G	45.63	54.00	-8.37	16.00	3	Vertical	274	1.07	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

5190MHz_TX

11/06/2019



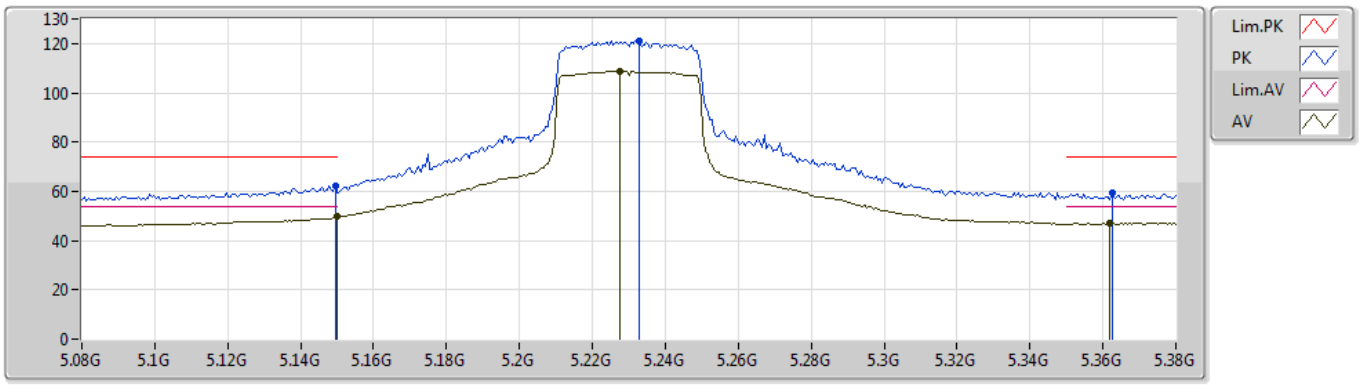
EUT Z_4TX
Setting 27
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.3815G	55.78	68.20	-12.42	14.65	3	Horizontal	140	1.49	-
PK	15.5785G	58.67	74.00	-15.33	15.97	3	Horizontal	122	2.12	-
AV	15.5457G	45.45	54.00	-8.55	16.06	3	Horizontal	122	2.12	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

11/06/2019

5230MHz_TX



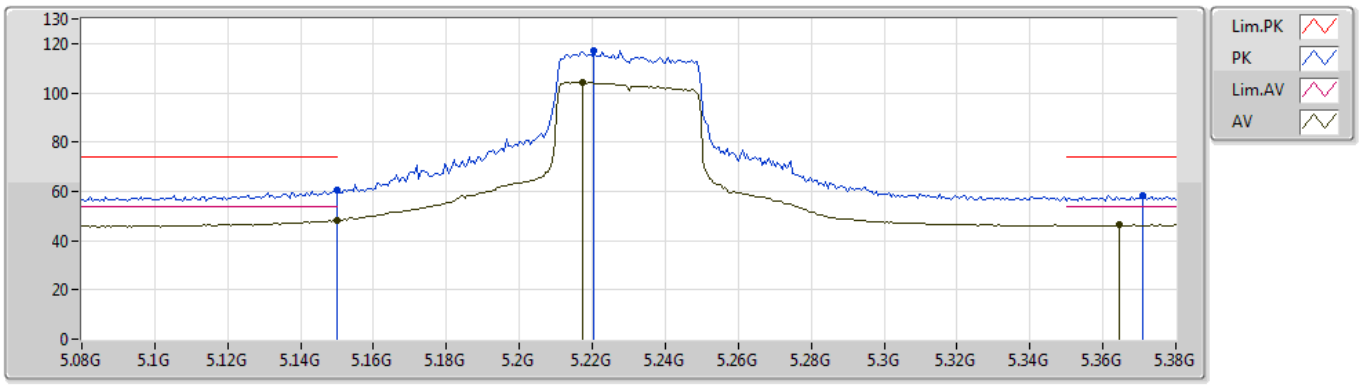
EUT Z_4TX
Setting 29
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1496G	62.28	74.00	-11.72	7.94	3	Vertical	276	1.46	-
AV	5.15G	49.73	54.00	-4.27	7.94	3	Vertical	276	1.46	-
PK	5.233G	120.88	Inf	-Inf	8.11	3	Vertical	276	1.46	-
AV	5.2276G	108.77	Inf	-Inf	8.10	3	Vertical	276	1.46	-
PK	5.3626G	59.39	74.00	-14.61	8.29	3	Vertical	276	1.46	-
AV	5.362G	47.10	54.00	-6.90	8.29	3	Vertical	276	1.46	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

11/06/2019

5230MHz_TX



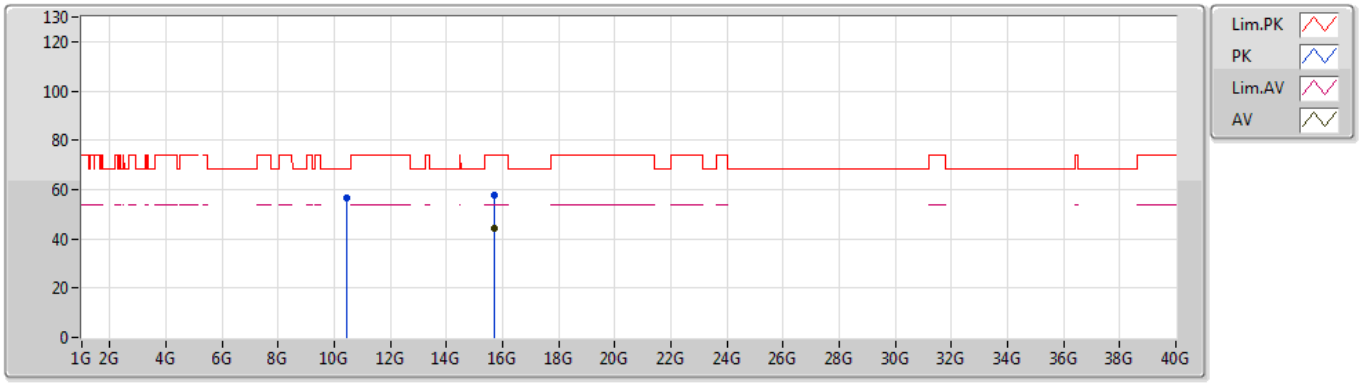
EUT Z_4TX
Setting 29
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.15G	60.40	74.00	-13.60	7.94	3	Horizontal	277	1.48	-
AV	5.15G	48.45	54.00	-5.55	7.94	3	Horizontal	277	1.48	-
PK	5.2204G	117.21	Inf	-Inf	8.09	3	Horizontal	277	1.48	-
AV	5.2174G	104.24	Inf	-Inf	8.09	3	Horizontal	277	1.48	-
PK	5.371G	58.36	74.00	-15.64	8.30	3	Horizontal	277	1.48	-
AV	5.3644G	46.41	54.00	-7.59	8.29	3	Horizontal	277	1.48	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

5230MHz_TX

11/06/2019



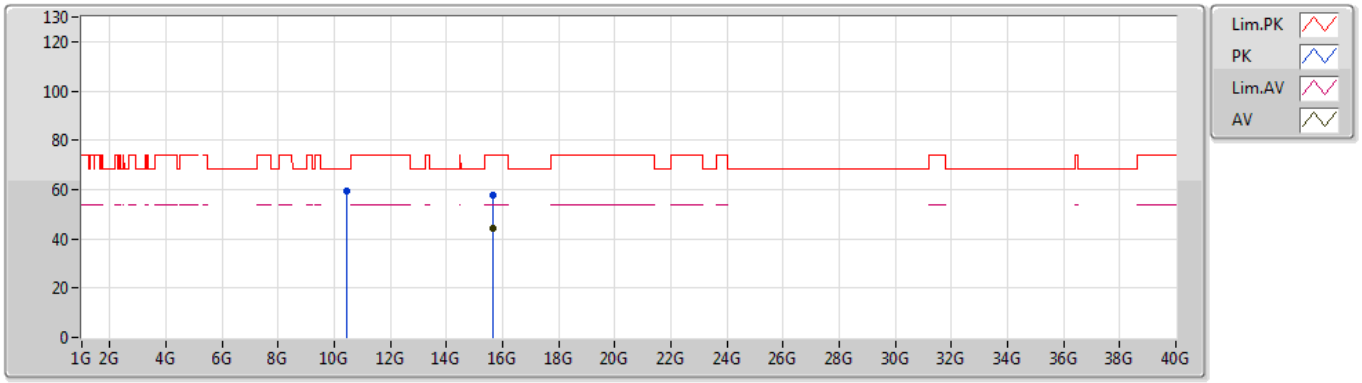
EUT Z_4TX
Setting 29
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4644G	56.57	68.20	-11.63	14.59	3	Vertical	211	1.56	-
PK	15.6987G	57.48	74.00	-16.52	15.65	3	Vertical	137	2.19	-
AV	15.6899G	44.47	54.00	-9.53	15.68	3	Vertical	137	2.19	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

5230MHz_TX

11/06/2019



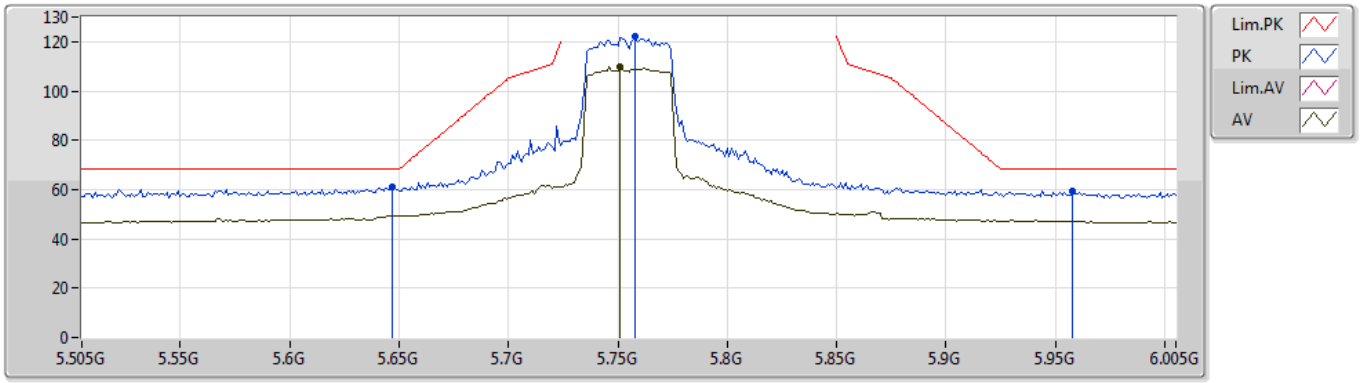
EUT Z_4TX
Setting 29
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4424G	59.40	68.20	-8.80	14.61	3	Horizontal	142	1.63	-
PK	15.6699G	57.54	74.00	-16.46	15.73	3	Horizontal	316	2.15	-
AV	15.6656G	44.43	54.00	-9.57	15.74	3	Horizontal	316	2.15	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

11/06/2019

5755MHz_TX



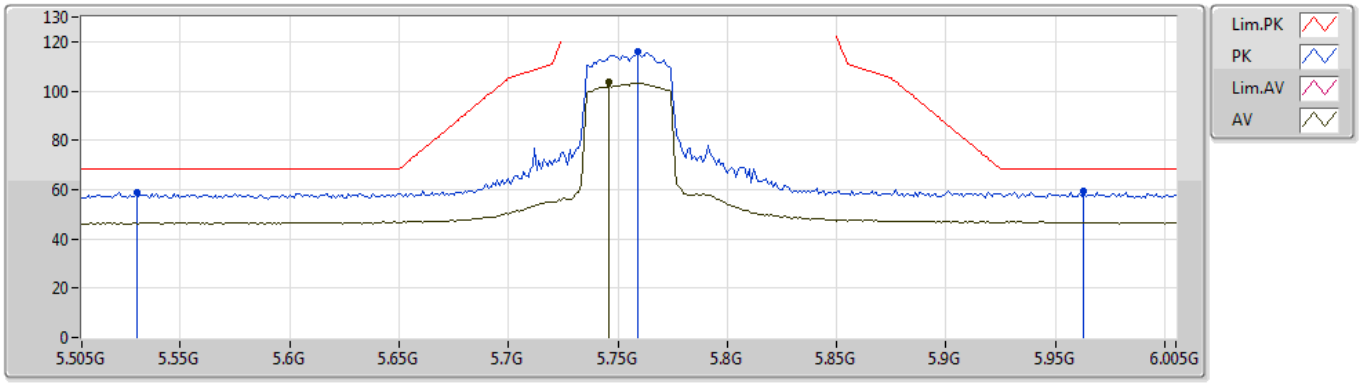
EUT Z_4TX
Setting 29
02-B-4-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.647G	60.98	68.20	-7.22	8.67	3	Vertical	2	2.00	-
PK	5.758G	122.08	Inf	-Inf	8.84	3	Vertical	2	2.00	-
AV	5.751G	110.08	Inf	-Inf	8.83	3	Vertical	2	2.00	-
PK	5.958G	59.61	68.20	-8.59	8.92	3	Vertical	2	2.00	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

11/06/2019

5755MHz_TX



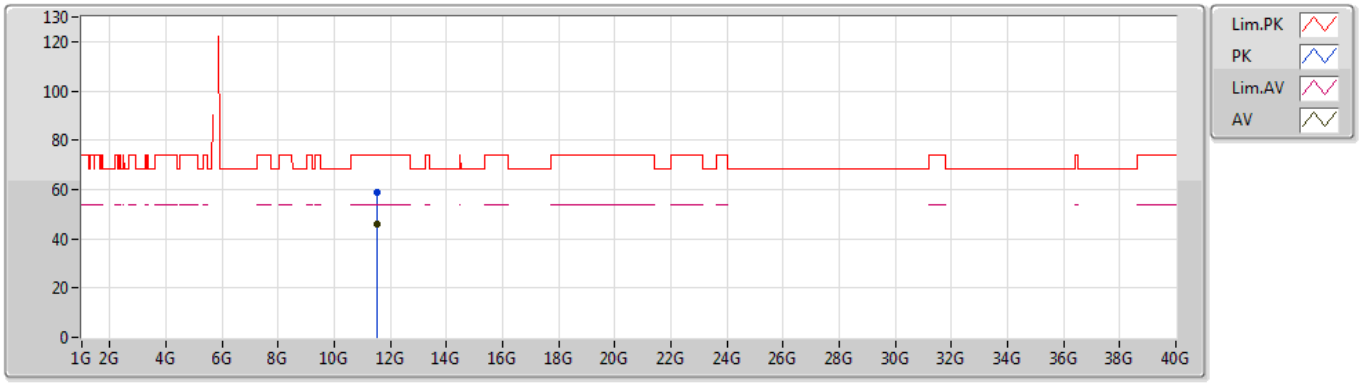
EUT Z_4TX
Setting 29
02-B-4-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.53G	58.66	68.20	-9.54	8.54	3	Horizontal	166	2.01	-
PK	5.759G	116.06	Inf	-Inf	8.85	3	Horizontal	166	2.01	-
AV	5.746G	103.59	Inf	-Inf	8.82	3	Horizontal	166	2.01	-
PK	5.963G	59.22	68.20	-8.98	8.93	3	Horizontal	166	2.01	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

5755MHz_TX

11/06/2019



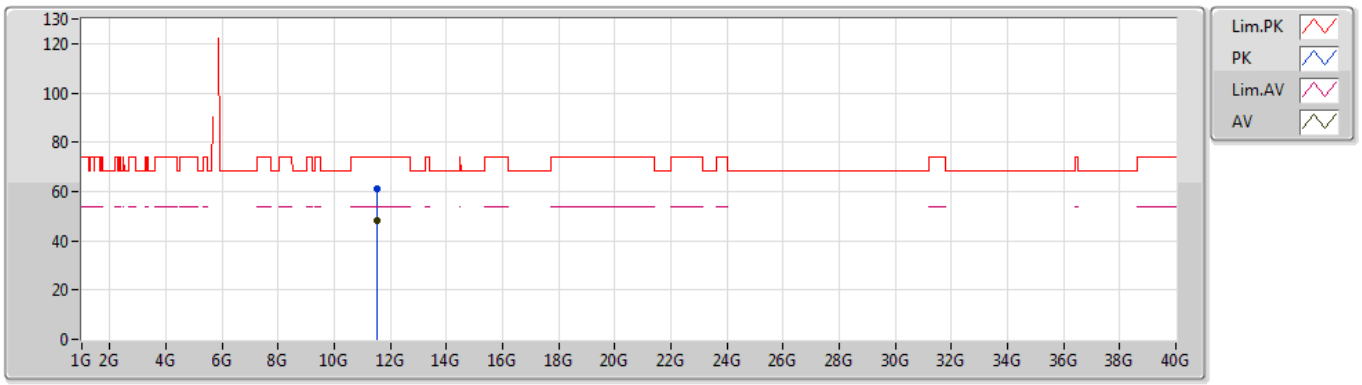
EUT Z_4TX
Setting 29
02-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51336G	59.04	74.00	-14.96	14.92	3	Vertical	215	1.60	-
AV	11.50682G	46.20	54.00	-7.80	14.92	3	Vertical	215	1.60	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

5755MHz_TX

11/06/2019



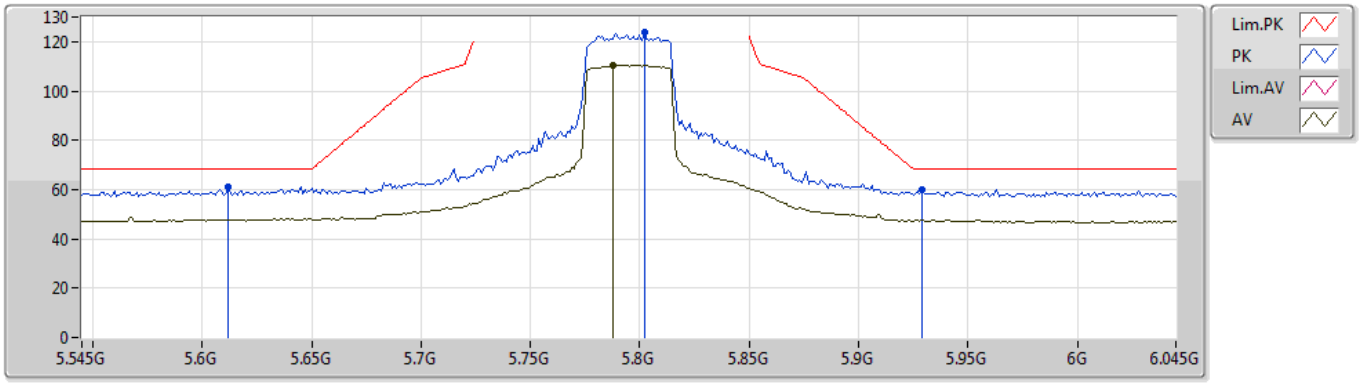
EUT Z_4TX
Setting 29
02-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51246G	60.96	74.00	-13.04	14.92	3	Horizontal	123	1.14	-
AV	11.50856G	47.93	54.00	-6.07	14.92	3	Horizontal	123	1.14	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

5795MHz_TX

11/06/2019



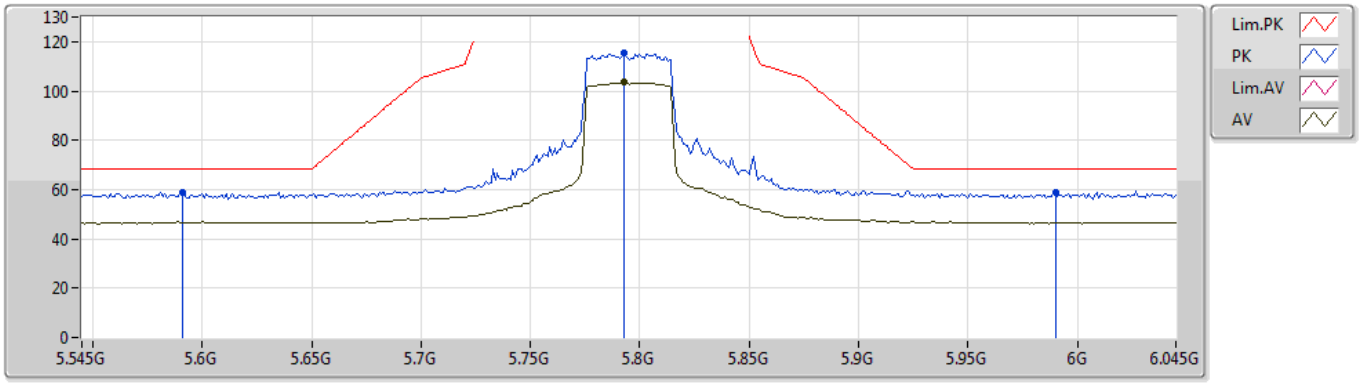
EUT Z_4TX
Setting 29
02-B-4-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.612G	61.10	68.20	-7.10	8.61	3	Vertical	359	1.63	-
PK	5.802G	123.80	Inf	-Inf	8.90	3	Vertical	359	1.63	-
AV	5.788G	110.55	Inf	-Inf	8.87	3	Vertical	359	1.63	-
PK	5.929G	59.98	68.20	-8.22	8.93	3	Vertical	359	1.63	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

11/06/2019

5795MHz_TX



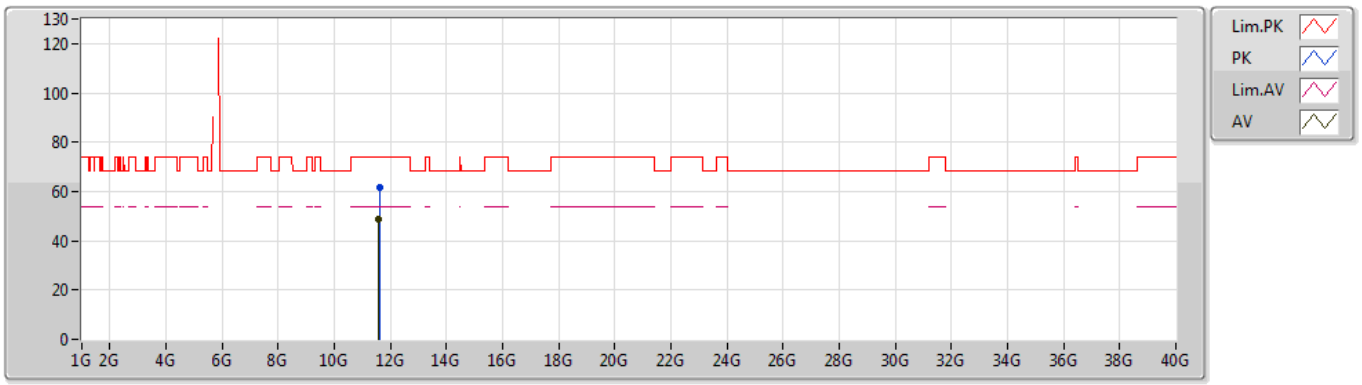
EUT Z_4TX
Setting 29
02-B-4-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.591G	58.84	68.20	-9.36	8.57	3	Horizontal	128	1.59	-
PK	5.793G	115.71	Inf	-Inf	8.89	3	Horizontal	128	1.59	-
AV	5.793G	103.43	Inf	-Inf	8.89	3	Horizontal	128	1.59	-
PK	5.99G	58.63	68.20	-9.57	8.93	3	Horizontal	128	1.59	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

5795MHz_TX

11/06/2019



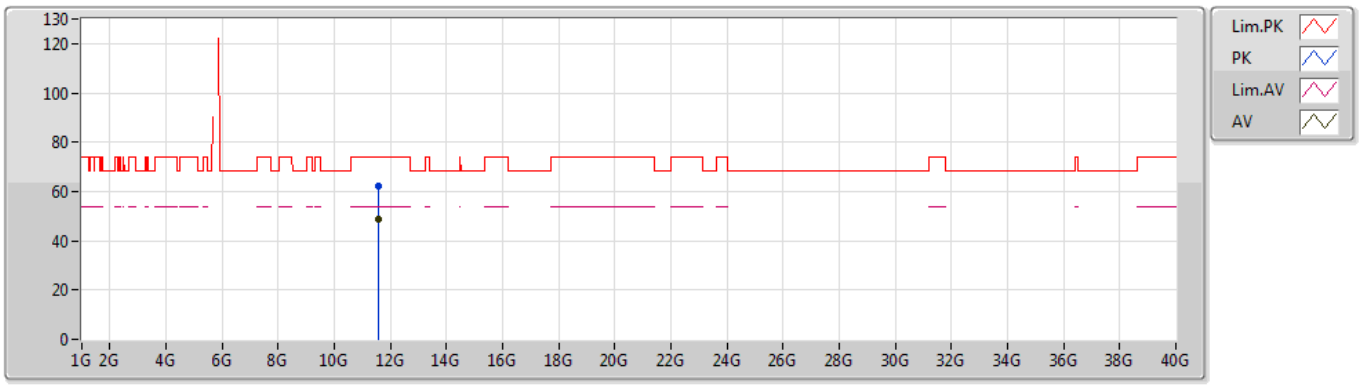
EUT Z_4TX
Setting 29
02-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.59936G	61.85	74.00	-12.15	15.04	3	Vertical	173	2.96	-
AV	11.59558G	48.49	54.00	-5.51	15.04	3	Vertical	173	2.96	-

802.11ax HEW40-BF_Nss1,(MCS0)_1TX

5795MHz_TX

11/06/2019



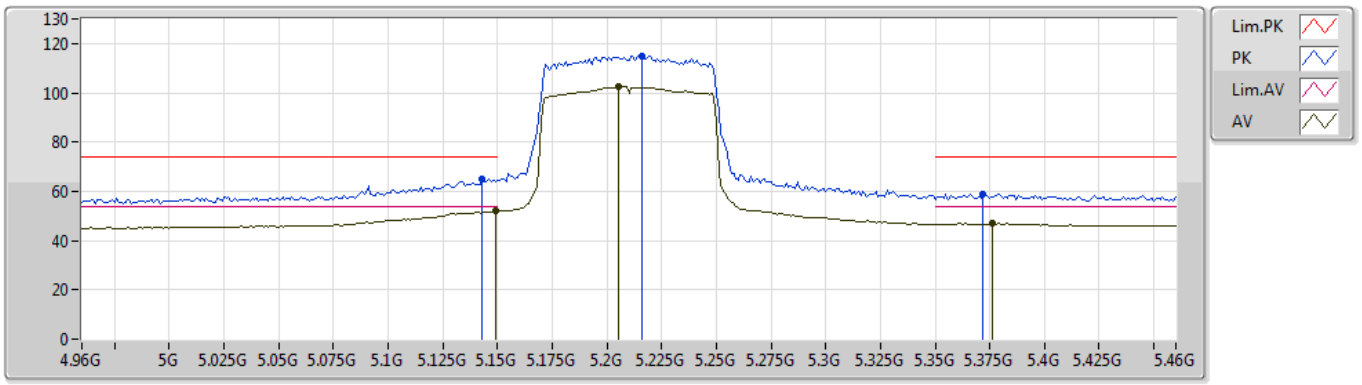
EUT Z_4TX
Setting 29
02-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.58658G	62.13	74.00	-11.87	15.02	3	Horizontal	107	1.31	-
AV	11.5879G	48.88	54.00	-5.12	15.02	3	Horizontal	107	1.31	-

802.11ax HEW80-BF_Nss1,(MCS0)_1TX

5210MHz_TX

11/06/2019



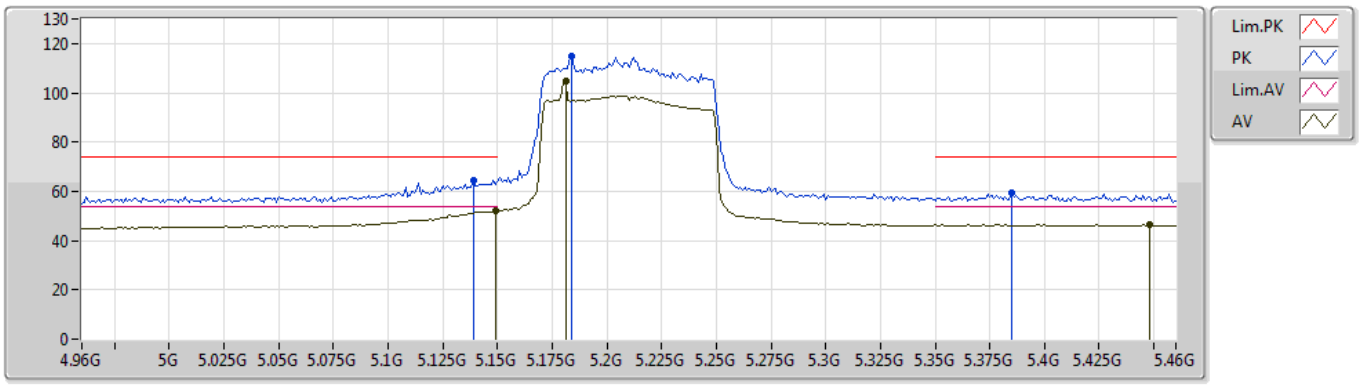
EUT Z_4TX
Setting 26
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.143G	64.94	74.00	-9.06	7.94	3	Vertical	273	2.09	-
AV	5.149G	52.06	54.00	-1.94	7.94	3	Vertical	273	2.09	-
PK	5.216G	115.05	Inf	-Inf	8.08	3	Vertical	273	2.09	-
AV	5.205G	102.48	Inf	-Inf	8.07	3	Vertical	273	2.09	-
PK	5.372G	58.75	74.00	-15.25	8.30	3	Vertical	273	2.09	-
AV	5.376G	47.05	54.00	-6.95	8.31	3	Vertical	273	2.09	-

802.11ax HEW80-BF_Nss1,(MCS0)_1TX

11/06/2019

5210MHz_TX



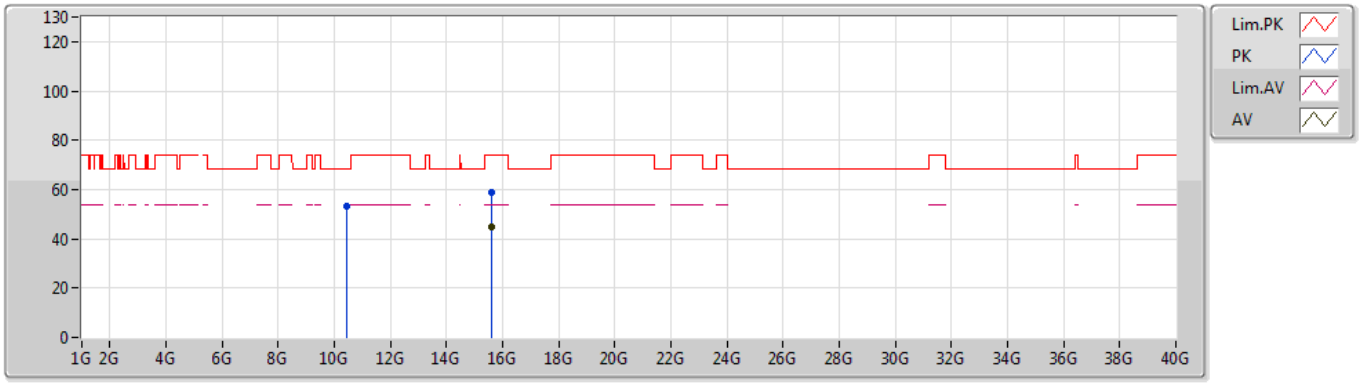
EUT Z_4TX
Setting 26
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.139G	64.59	74.00	-9.41	7.93	3	Horizontal	287	1.49	-
AV	5.149G	51.93	54.00	-2.07	7.94	3	Horizontal	287	1.49	-
PK	5.184G	114.84	Inf	-Inf	8.03	3	Horizontal	287	1.49	-
AV	5.181G	104.94	Inf	-Inf	8.02	3	Horizontal	287	1.49	-
PK	5.385G	59.37	74.00	-14.63	8.32	3	Horizontal	287	1.49	-
AV	5.448G	46.39	54.00	-7.61	8.42	3	Horizontal	287	1.49	-

802.11ax HEW80-BF_Nss1,(MCS0)_1TX

5210MHz_TX

11/06/2019



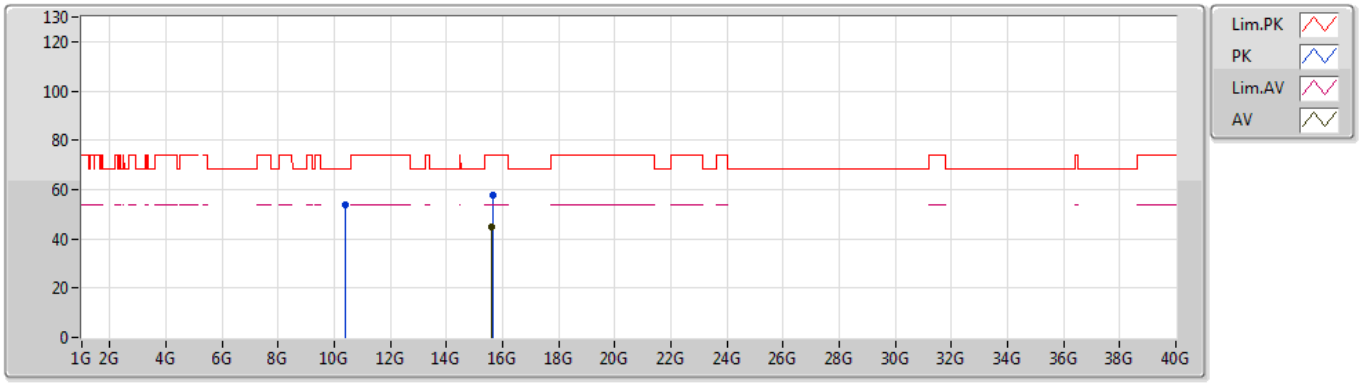
EUT Z_4TX
Setting 26
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4189G	53.07	68.20	-15.13	14.63	3	Vertical	190	2.32	-
PK	15.624G	58.74	74.00	-15.26	15.85	3	Vertical	295	1.79	-
AV	15.6094G	44.77	54.00	-9.23	15.88	3	Vertical	295	1.79	-

802.11ax HEW80-BF_Nss1,(MCS0)_1TX

5210MHz_TX

11/06/2019



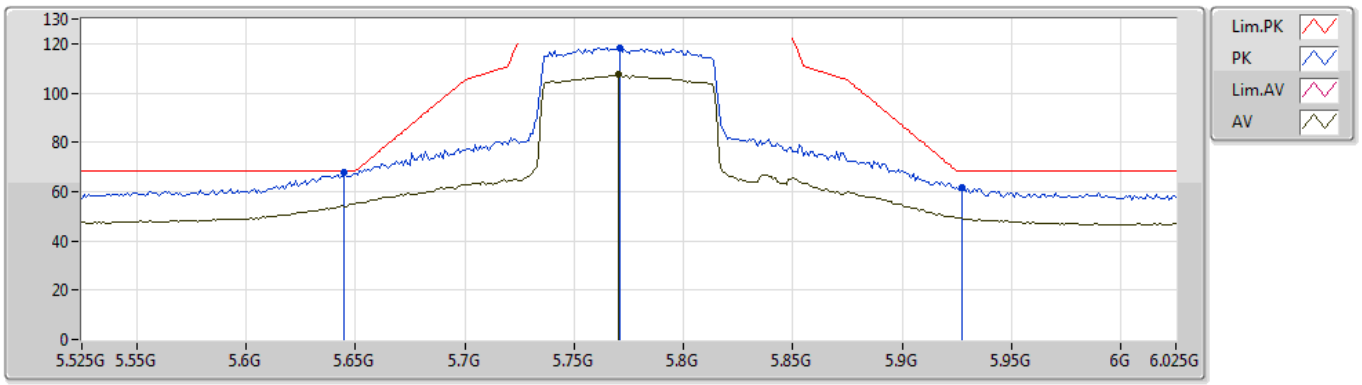
EUT Z_4TX
Setting 26
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4114G	53.78	68.20	-14.42	14.63	3	Horizontal	47	2.16	-
PK	15.6389G	57.92	74.00	-16.08	15.81	3	Horizontal	249	1.56	-
AV	15.6166G	44.93	54.00	-9.07	15.86	3	Horizontal	249	1.56	-

802.11ax HEW80-BF_Nss1,(MCS0)_1TX

11/06/2019

5775MHz_TX



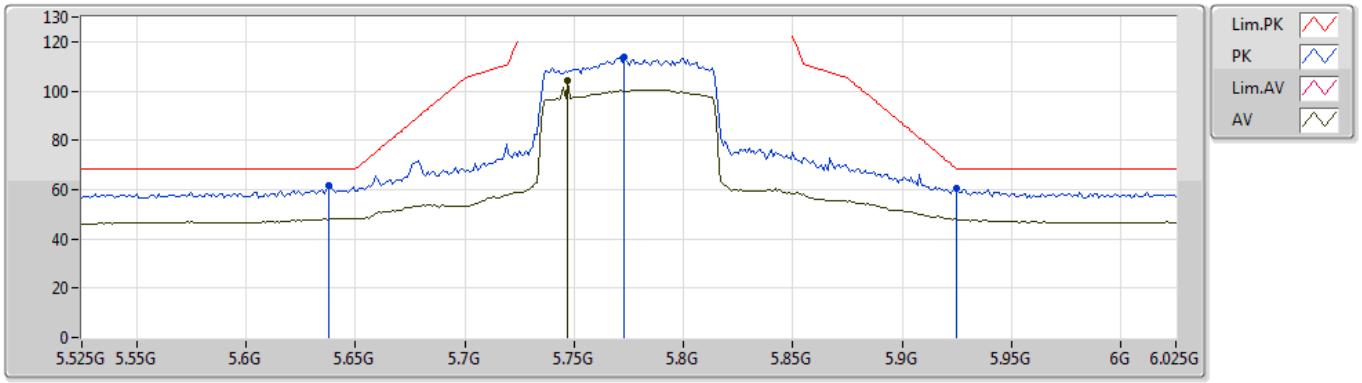
EUT Z_4TX
Setting 29
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.645G	67.91	68.20	-0.29	8.66	3	Vertical	7	1.68	-
PK	5.771G	118.39	Inf	-Inf	8.85	3	Vertical	7	1.68	-
AV	5.77G	107.43	Inf	-Inf	8.85	3	Vertical	7	1.68	-
PK	5.927G	61.65	68.20	-6.55	8.93	3	Vertical	7	1.68	-

802.11ax HEW80-BF_Nss1,(MCS0)_1TX

11/06/2019

5775MHz_TX



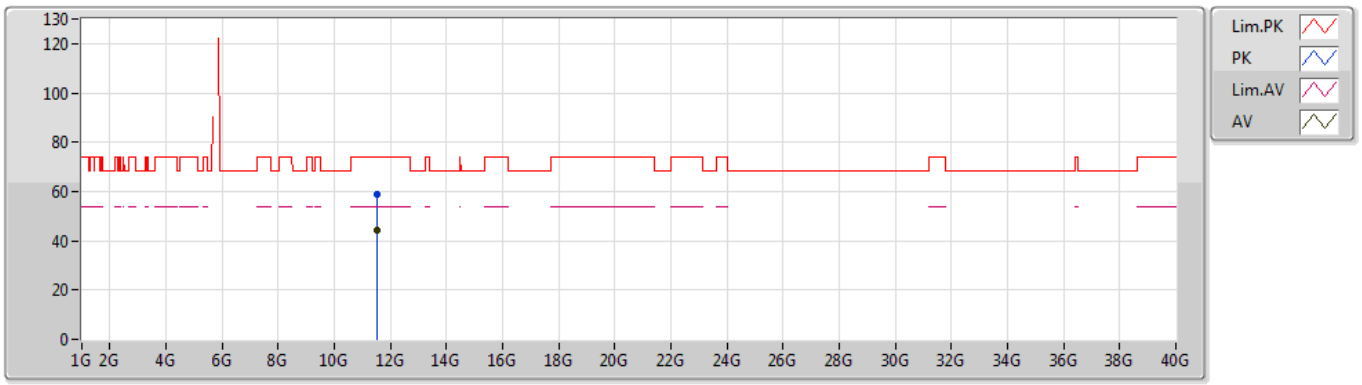
EUT Z_4TX
Setting 29
02-J-5-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.638G	61.75	68.20	-6.45	8.64	3	Horizontal	186	1.27	-
PK	5.773G	113.76	Inf	-Inf	8.85	3	Horizontal	186	1.27	-
AV	5.747G	104.13	Inf	-Inf	8.82	3	Horizontal	186	1.27	-
PK	5.925G	60.66	68.20	-7.54	8.93	3	Horizontal	186	1.27	-

802.11ax HEW80-BF_Nss1,(MCS0)_1TX

5775MHz_TX

11/06/2019



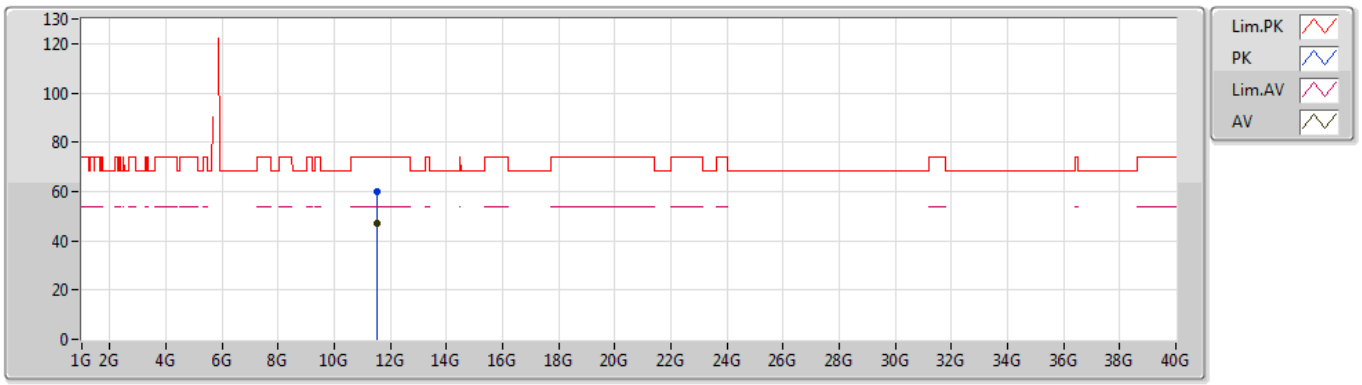
EUT Z_4TX
Setting 29
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.53432G	59.01	74.00	-14.99	14.95	3	Vertical	343	1.51	-
AV	11.5452G	44.14	54.00	-9.86	14.97	3	Vertical	343	1.51	-

802.11ax HEW80-BF_Nss1,(MCS0)_1TX

11/06/2019

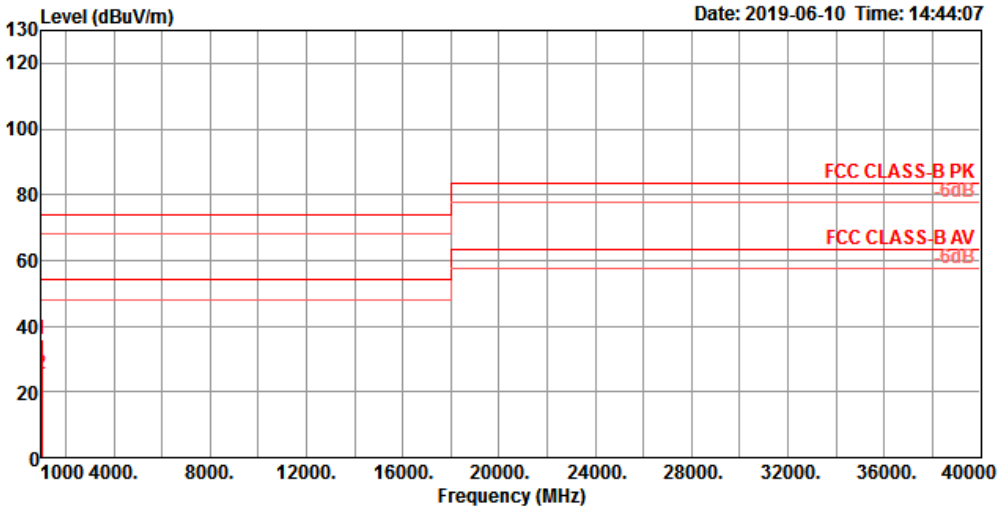
5775MHz_TX



EUT Z_4TX
Setting 29
02-J-5
FSP(100080)

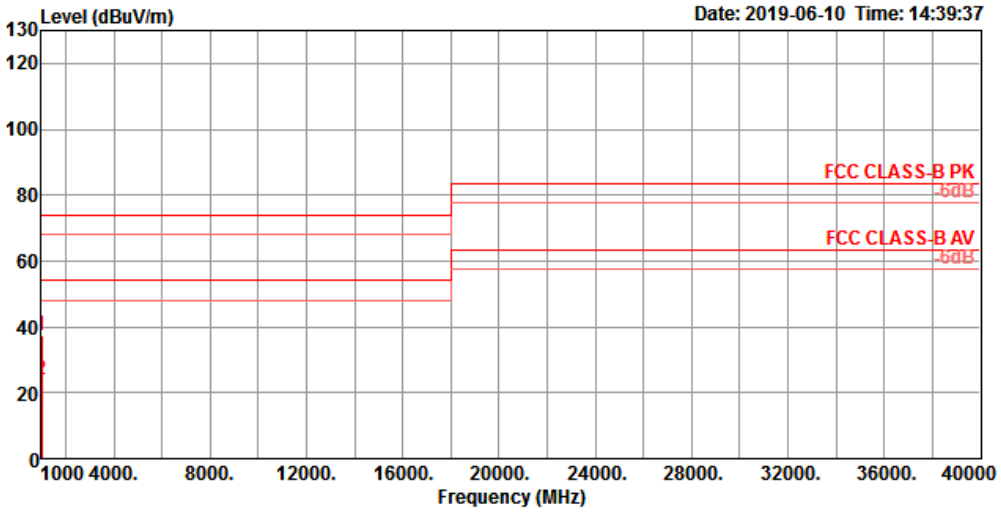
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.54568G	59.93	74.00	-14.07	14.97	3	Horizontal	120	1.17	-
AV	11.54472G	46.98	54.00	-7.02	14.97	3	Horizontal	120	1.17	-

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1000.14	36.17	74.00	-37.83	47.82	2.88	23.30	37.83	102	218	Peak	HORIZONTAL
2	1000.21	25.38	54.00	-28.62	37.03	2.88	23.30	37.83	102	218	Average	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1000.03	37.34	74.00	-36.66	48.99	2.88	23.30	37.83	223	33	Peak	VERTICAL
2	1000.04	24.02	54.00	-29.98	35.67	2.88	23.30	37.83	223	33	Average	VERTICAL