FCC RADIO TEST REPORT

FCC ID	:	NKR-LVSK-X1
Equipment	:	Wi-Fi Extender Mini
Brand Name	:	verizon
Model Name	:	LVX1
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 Jul. 19, 2019, and testing was started from Jul. 27, 2019 and completed on Aug. 06, 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.)

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History of this test report

Report No.	Version	Description	Issued Date
FR953010AB	01	Initial issue of report	Aug. 13, 2019
FR953010AB	02	Modifying the Photographs of EUT to version 2.	Aug. 13, 2019

Summary of Test Result

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

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Wendy Pan

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT20-BF	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11n HT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20-BF	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM 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	Direction Gain (dBi)		
						2.4GHz	5GHz Band 1	5GHz Band 4
1	1	WNC	LVX1	PCB DIPOLE	I-PEX MHF	4.51	-	5.85
2	2	WNC	LVX1	Metal PIFA	I-PEX MHF	4.51	-	5.85
3	1	WNC	LVX1	PCB DIPOLE	I-PEX MHF	-	5.20	-
4	2	WNC	LVX1	PCB DIPOLE	I-PEX MHF	-	5.20	-

Note: The above information was declared by manufacturer.

For 2.4GHz and 5GHz Band 4 function(2TX/2RX):

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz Band 1 function(2TX/2RX):

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.967	0.15	2.029m	1k
802.11ac VHT20	0.903	0.44	4.975m	300
802.11ac VHT20-BF	0.957	0.19	1.755m	1k
802.11ac VHT40	0.843	0.74	2.42m	1k
802.11ac VHT40-BF	0.95	0.22	1.847m	1k
802.11ac VHT80	0.878	0.57	3.333m	1k
802.11ac VHT80-BF	0.966	0.15	2.027m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	Internal power supply			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	For 802.11n and VHT in 2.4GHz and 802.11n/ac in 5GHz.			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	For non- beamforming 5GHz Band 1: QCA9886_EVM curve.xtt (V 5.0-00163) For non- beamforming 5GHz Band 4: AP.DK04_EVM curve.xtt (V 5.0-00163) For beamforming: Telnet			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT support function

Function	Support Type	Support Band
Bridge	Master	WLAN 2.4GHz/WLAN 5GHz Band 1+4
Mesh	Master + Slave	WLAN 2.4GHz/WLAN 5GHz Band 1~4

Note: 1.The above information was declared by manufacturer.
2.Only the Mesh mode was tested and recorded in this test report that is designated by the 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	TH02-CB	Jeff Wu	26.5~27.8°C / 62~65%	Jul. 27, 2019~Aug.03, 2019
Radiated<1GHz and Radiated Emission Co-location	03CH04-CB	Welson Chen	26.2~28.3°C / 56~60%	Aug. 01, 2019
Radiated>1GHz	03CH01-CB	Bruce Yang	26.6~28.2°C / 60~65%	Aug. 06, 2019
AC Conduction	CO02-CB	Peter Wu	24~25°C / 59~60%	Aug. 06, 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)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	17
5200MHz	20
5240MHz	20.5
5745MHz	21.5
5785MHz	22.5
5825MHz	21
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	17
5200MHz	21
5240MHz	21
5745MHz	21.5
5785MHz	22.5
5825MHz	21.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	14
5230MHz	19.5
5755MHz	22.5
5795MHz	21.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	14
5775MHz	20
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	18
5200MHz	21
5240MHz	21
5745MHz	23
5785MHz	23
5825MHz	23
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	16
5230MHz	21
5755MHz	23
5795MHz	23
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	16

Mode	PowerSetting
5775MHz	23

Note:
- There are two modes of EUT for 802.11n/ac in 5GHz. One is beamforming mode, and the other is non-beamforming mode, Both modes have been tested and recorded in this test report.
- VHT 20MHz / 40MHz modulation and bandwidth are similar for 802.11n mode for 20MHz / 40MHz, therefore investigated worst case to representative mode in 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
1	EUT in Y axis
Operating Mode > 1GHz	CTX
There are two modes of EUT, one is Y axis Power port is right side up , the other is Y axis Power port is right side down, and the worst case was found at Y axis Power port is right side up. So the measurement will follow this same test configuration.	
1	EUT in Y axis Power port is right side up

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
Refer to Sporton Test Report No.: FA953010 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used Y 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:

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 RX Device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Device	Verizon	LVR1	N/A
B	Notebook	DELL	E6430	N/A
C	Device	Calix	100-05147 01	N/A
D	Notebook	DELL	E6430	N/A
E	Device	Calix	100-05147 01	N/A
F	Notebook	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	WLAN AP	Verizon	LVR1	N/A
B	WLAN AP	Calix	100-05147 01	N/A
C	WLAN AP	Calix	100-05147 01	N/A
D	Notebook	DELL	E4300	N/A
E	Notebook	DELL	E4300	N/A
F	Notebook	DELL	E4300	N/A

For Radiated (above 1GHz) and RF Conducted:
<For Non-Beamforming Mode>

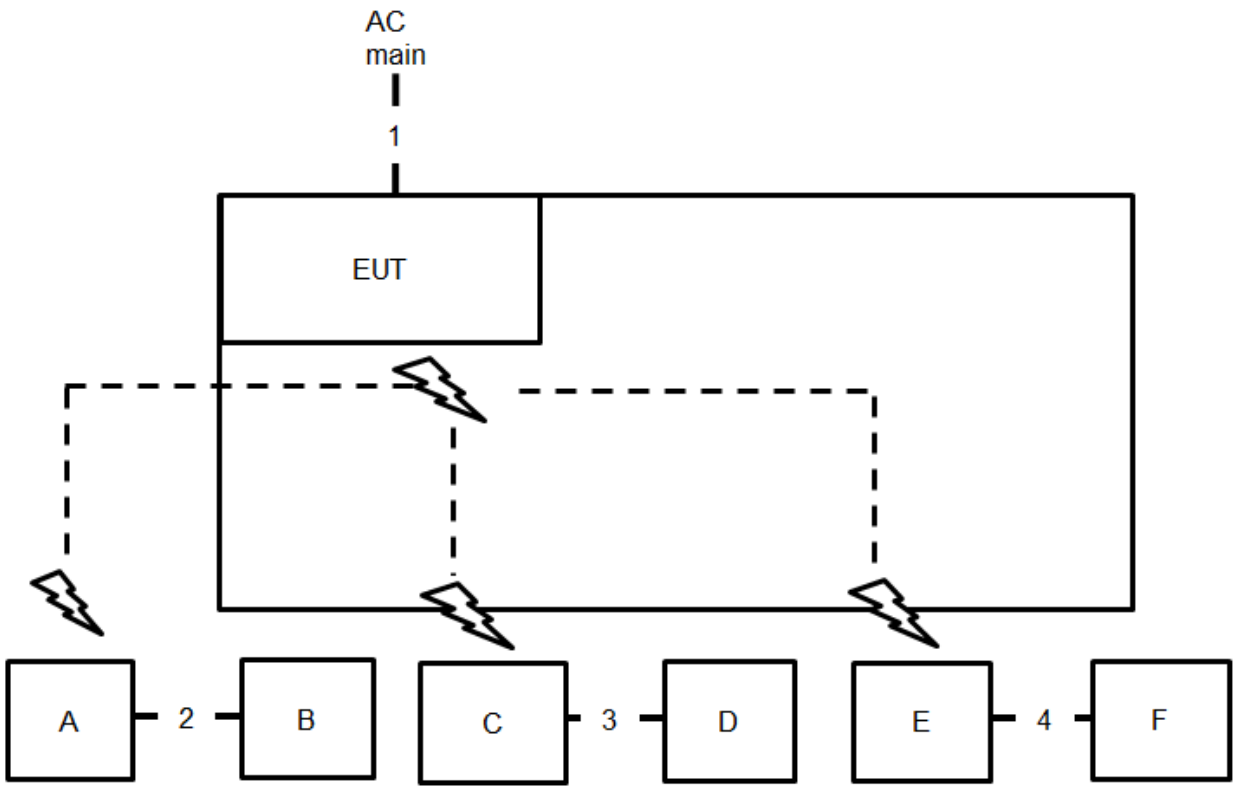
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A

<For Beamforming Mode>

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	RX Device	verizon	Wi-Fi Extender LVM1	N/A

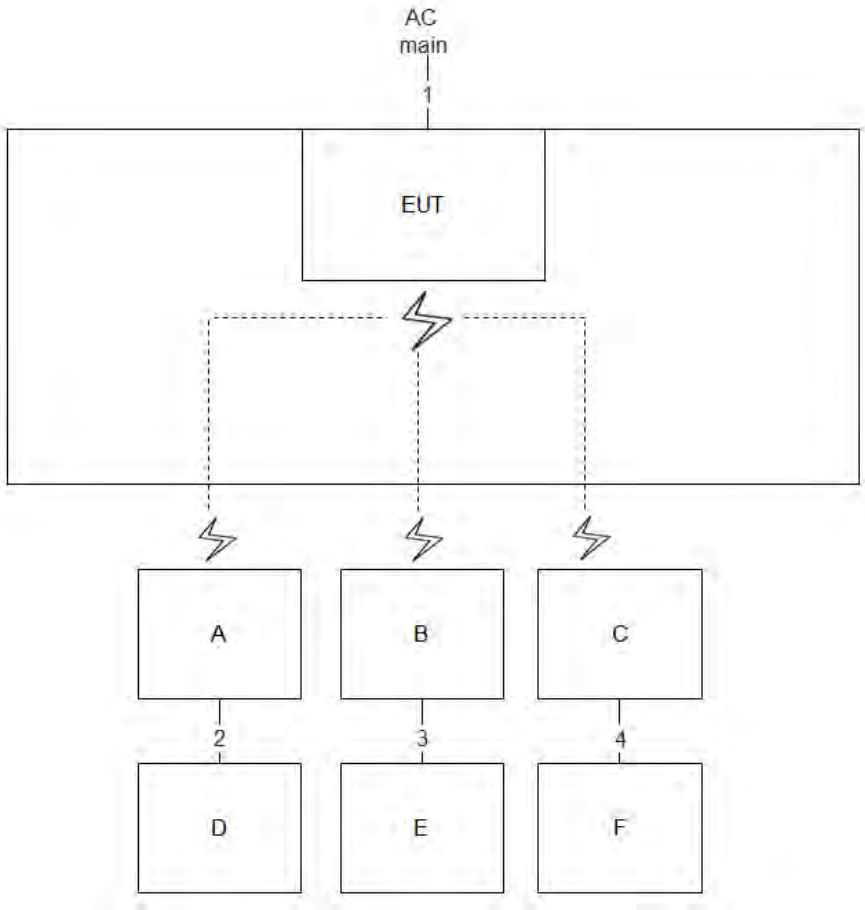
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



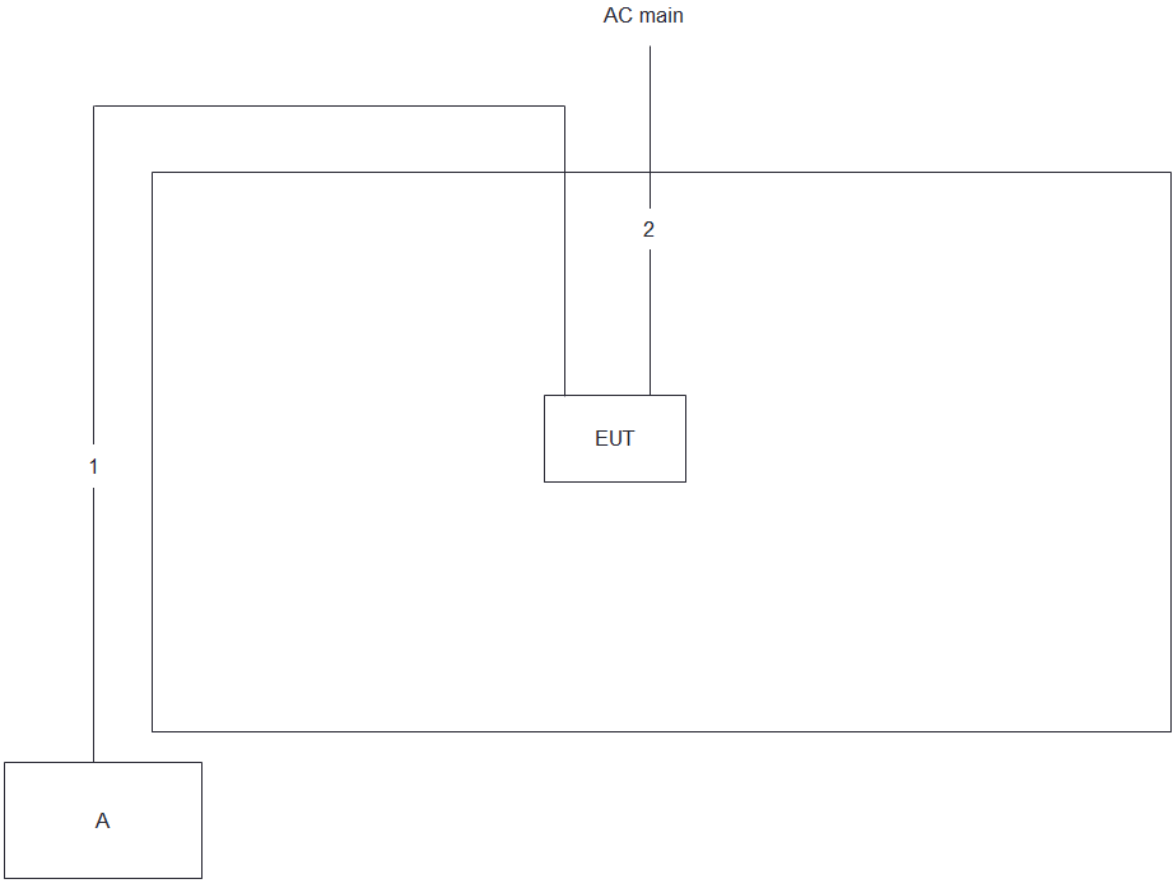
Item	Connection	Shielded	Length
1	Power cable	No	0.8m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



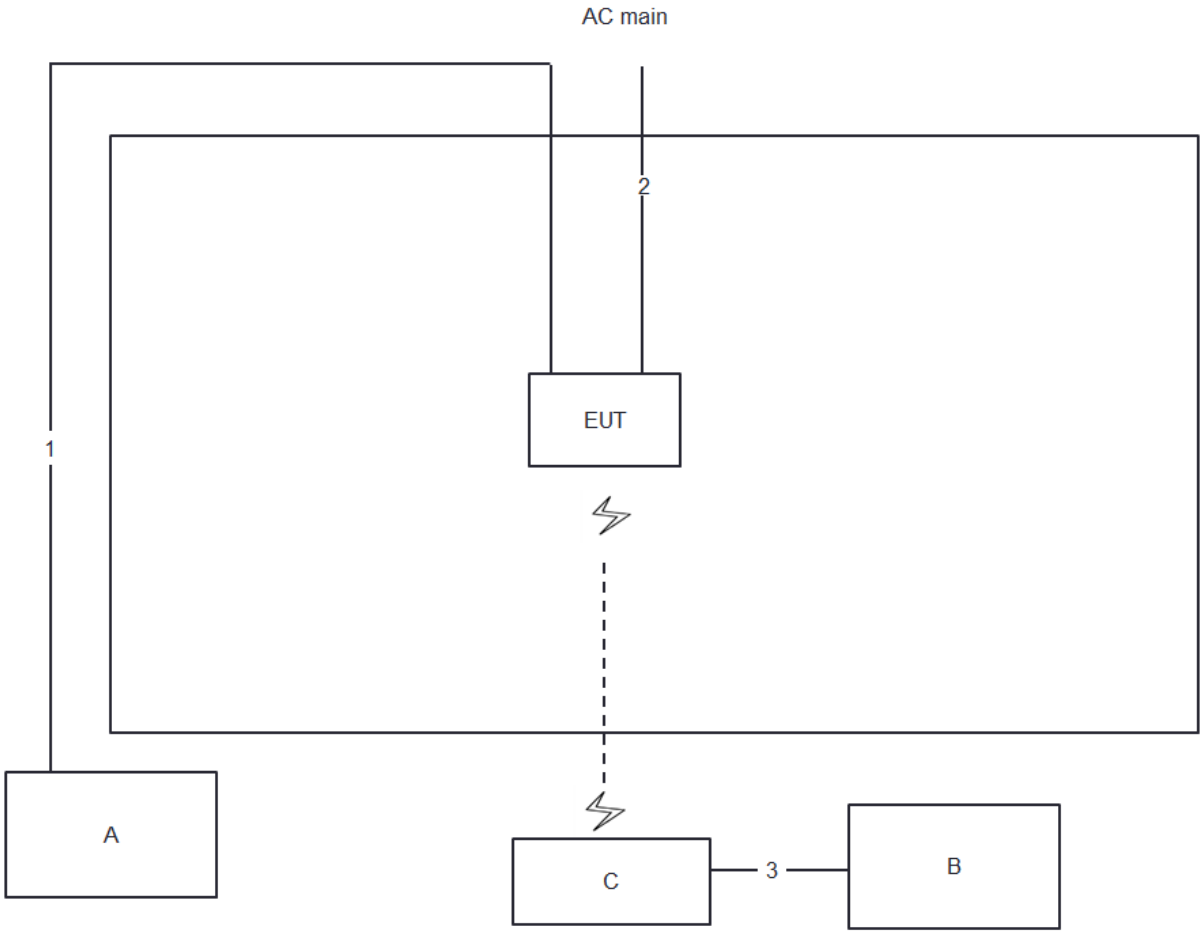
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz / 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 / 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

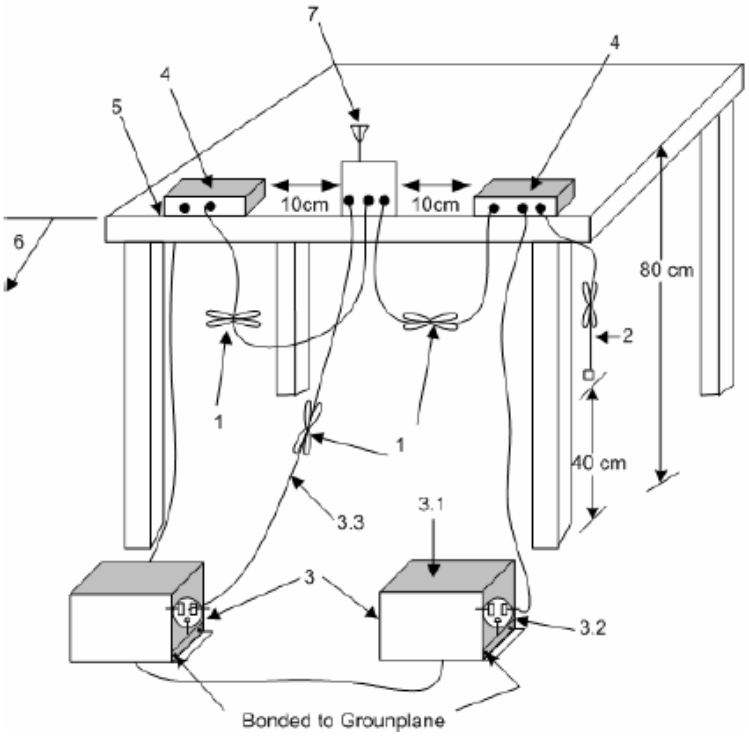
Refer a test equipment and calibration data table in this test report.

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

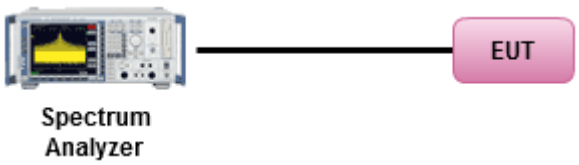
Refer a test equipment and calibration data table in this test report.

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.	

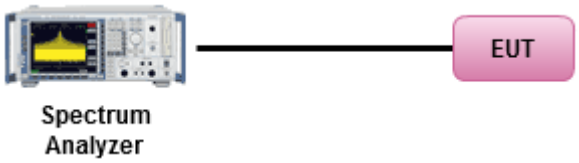
3.4.2 Measuring Instruments

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.

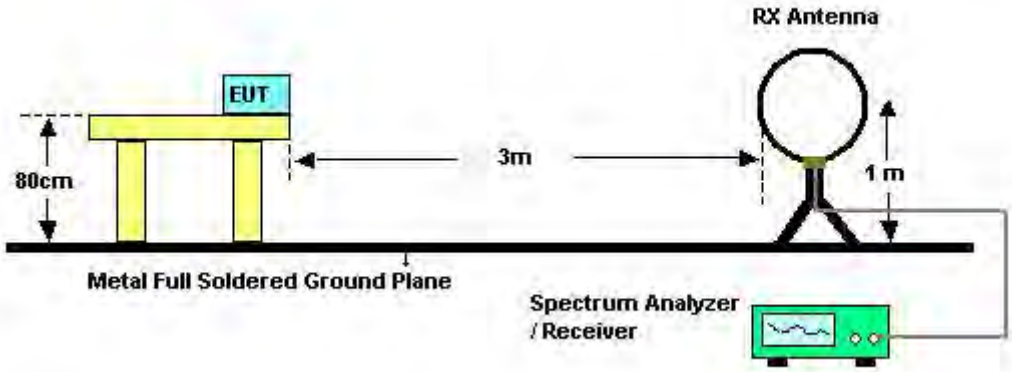
3.5.3 Test Procedures

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.		

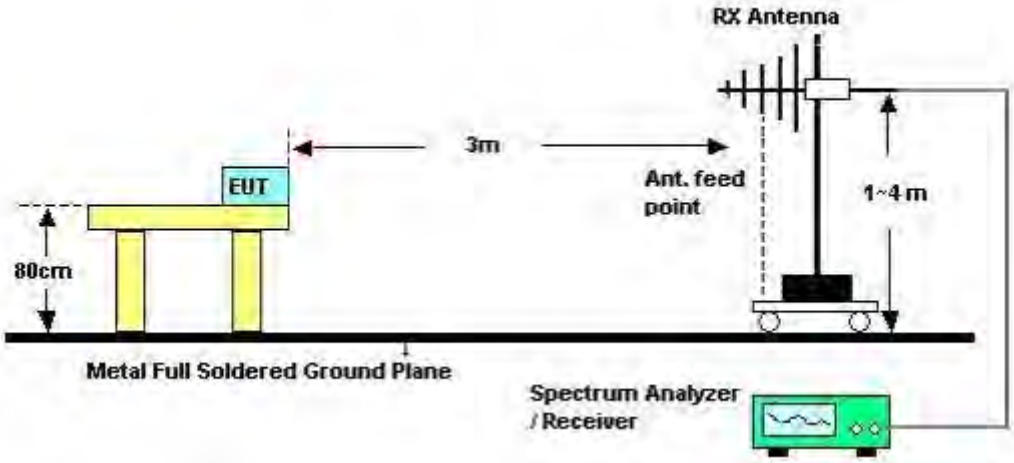
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

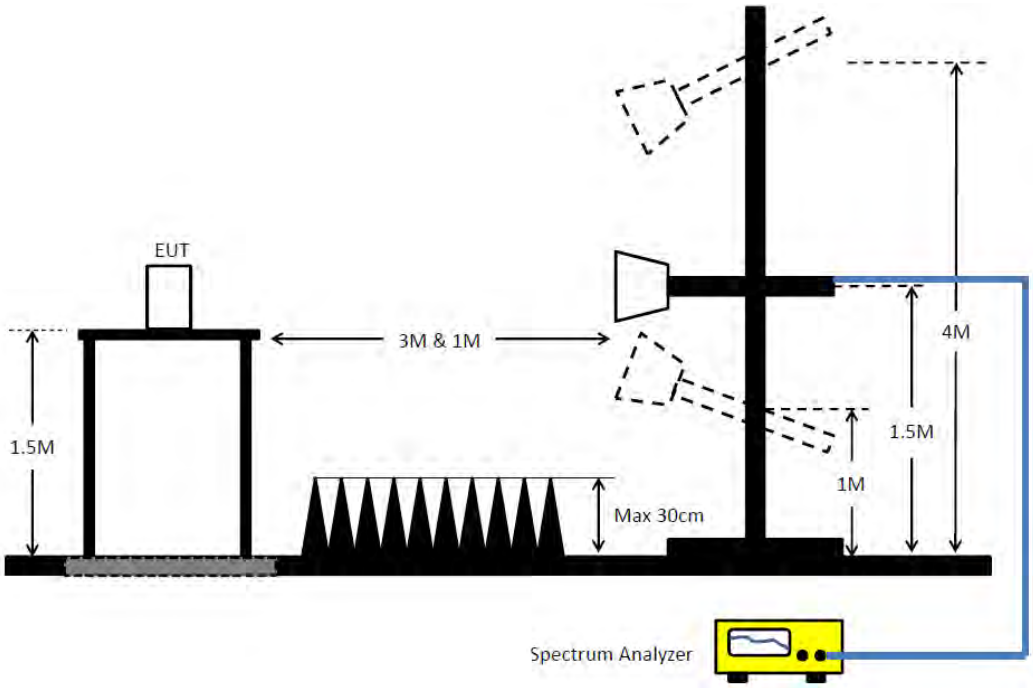
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.5.6 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.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2018	Nov. 20, 2019	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 05, 2018	Nov. 04, 2019	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 16, 2019	Jan. 15, 2020	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 06, 2018	Nov. 05, 2019	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
BILOG ANTENNA with 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)
Pre-Amplifier	Agilent	310N	187291	0.1MHz ~ 1GHz	Mar. 19, 2019	Mar. 18, 2020	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	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+22	30MHz – 1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 13, 2018	Nov. 12, 2019	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 27, 2019	Jun. 26, 2020	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2019	Jan. 07, 2020	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH02-CB)

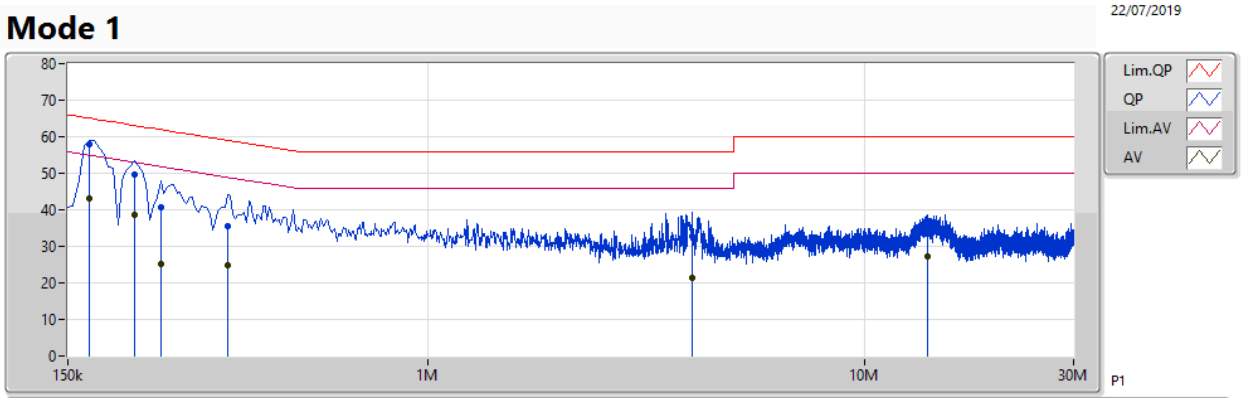
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-3	1 GHz – 26.5 GHz	Oct. 24, 2018	Oct. 23, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 03, 2018	Sep. 02, 2019	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 03, 2018	Sep. 02, 2019	Conducted (TH02-CB)

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

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

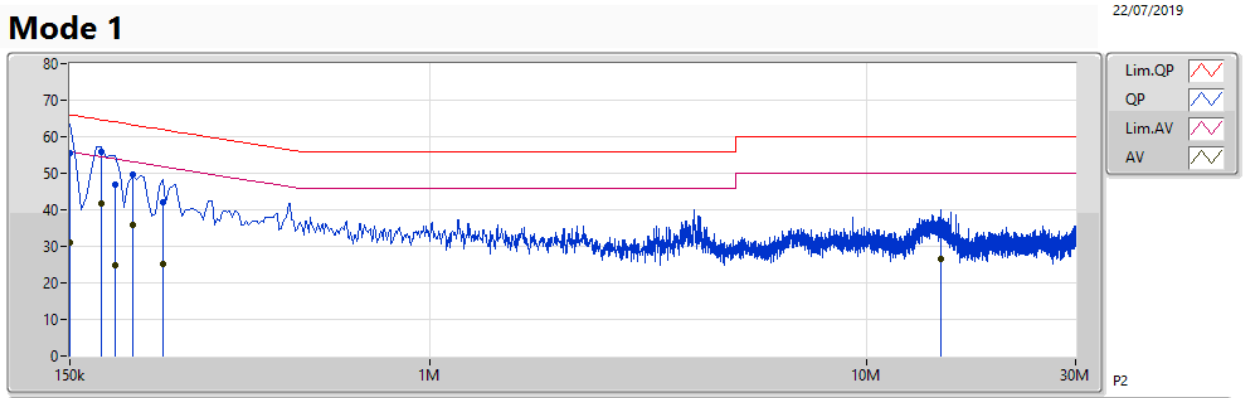
Test Mode	Mode 1	Frequency Range	0.15 MHz to 30 MHz

Line



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	168k	57.76	65.06	-7.30	9.90	Line	"Worst"	47.86	0.05	0.06	9.79
AV	168k	43.21	55.06	-11.85	9.90	Line	-	33.31	0.05	0.06	9.79
QP	213k	49.74	63.09	-13.35	9.91	Line	-	39.83	0.06	0.06	9.79
AV	213k	38.76	53.09	-14.33	9.91	Line	-	28.85	0.06	0.06	9.79
QP	244.5k	40.80	61.95	-21.15	9.92	Line	-	30.88	0.06	0.06	9.80
AV	244.5k	25.15	51.95	-26.80	9.92	Line	-	15.23	0.06	0.06	9.80
QP	348k	35.46	59.00	-23.54	9.93	Line	-	25.53	0.06	0.06	9.81
AV	348k	24.73	49.00	-24.27	9.93	Line	-	14.80	0.06	0.06	9.81
QP	4.016M	32.66	56.00	-23.34	10.10	Line	-	22.56	0.12	0.17	9.81
AV	4.016M	21.48	46.00	-24.52	10.10	Line	-	11.38	0.12	0.17	9.81
QP	13.938M	34.21	60.00	-25.79	10.39	Line	-	23.82	0.25	0.22	9.92
AV	13.938M	27.25	50.00	-22.75	10.39	Line	-	16.86	0.25	0.22	9.92

Neutral



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	30.87	56.00	-25.13	9.89	Neutral	-	20.98	0.04	0.06	9.79
QP	177k	55.82	64.62	-8.80	9.89	Neutral	"Worst"	45.93	0.04	0.06	9.79
AV	177k	41.87	54.62	-12.75	9.89	Neutral	-	31.98	0.04	0.06	9.79
QP	190.5k	47.05	64.01	-16.96	9.89	Neutral	-	37.16	0.04	0.06	9.79
AV	190.5k	25.00	54.01	-29.01	9.89	Neutral	-	15.11	0.04	0.06	9.79
QP	208.5k	49.74	63.27	-13.53	9.89	Neutral	-	39.85	0.04	0.06	9.79
AV	208.5k	35.71	53.27	-17.56	9.89	Neutral	-	25.82	0.04	0.06	9.79
QP	244.5k	41.93	61.95	-20.02	9.90	Neutral	-	32.03	0.04	0.06	9.80
AV	244.5k	25.22	51.95	-26.73	9.90	Neutral	-	15.32	0.04	0.06	9.80
QP	14.775M	33.12	60.00	-26.88	10.36	Neutral	-	22.76	0.22	0.22	9.92
AV	14.775M	26.50	50.00	-23.50	10.36	Neutral	-	16.14	0.22	0.22	9.92

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	41.275M	20.09M	20M1D1D	20.25M	16.442M
802.11ac VHT20_Nss1,(MCS0)_2TX	43.5M	20.79M	20M8D1D	20.95M	17.641M
802.11ac VHT40_Nss1,(MCS0)_2TX	81.9M	36.582M	36M6D1D	39.85M	36.032M
802.11ac VHT80_Nss1,(MCS0)_2TX	87M	75.662M	75M7D1D	83.1M	75.562M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	25.825M	17.741M	17M7D1D	20.825M	17.591M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	70.95M	36.132M	36M1D1D	38.95M	35.982M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	83.3M	75.862M	75M9D1D	81.8M	75.362M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.325M	20.19M	20M2D1D	16.275M	16.542M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.575M	21.314M	21M3D1D	17.525M	17.716M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.55M	52.374M	52M4D1D	33.75M	36.682M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.5M	75.962M	76M0D1D	75M	75.962M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.575M	17.741M	17M7D1D	17.25M	17.666M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	35.05M	36.082M	36M1D1D	31.35M	36.032M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	73.8M	75.962M	76M0D1D	73.3M	75.762M

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

Result

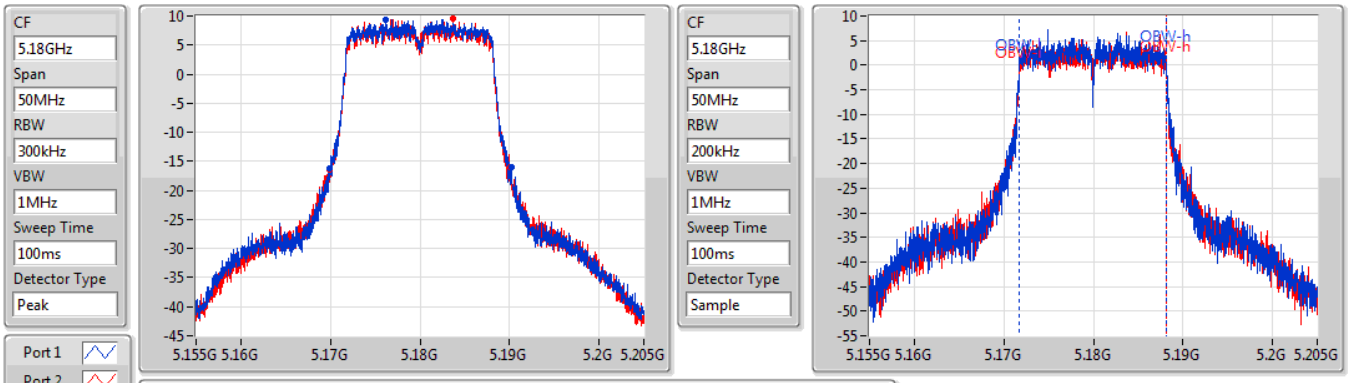
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.325M	16.442M	20.25M	16.467M
5200MHz	Pass	Inf	38.425M	17.491M	35.875M	17.066M
5240MHz	Pass	Inf	41.275M	19.565M	39.25M	20.09M
5745MHz	Pass	500k	16.275M	16.542M	16.325M	16.767M
5785MHz	Pass	500k	16.3M	17.916M	16.325M	20.19M
5825MHz	Pass	500k	16.325M	16.692M	16.325M	16.667M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.95M	17.641M	21M	17.641M
5200MHz	Pass	Inf	43.5M	20.79M	40.1M	18.716M
5240MHz	Pass	Inf	43.225M	20.29M	42.05M	20.04M
5745MHz	Pass	500k	17.575M	17.716M	17.55M	17.966M
5785MHz	Pass	500k	17.55M	18.966M	17.575M	21.314M
5825MHz	Pass	500k	17.525M	18.091M	17.55M	18.016M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.3M	36.032M	39.85M	36.082M
5230MHz	Pass	Inf	81.9M	36.582M	81.15M	36.532M
5755MHz	Pass	500k	35.55M	38.381M	33.75M	52.374M
5795MHz	Pass	500k	35.35M	36.682M	35.25M	36.932M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.1M	75.562M	87M	75.662M
5775MHz	Pass	500k	75.5M	75.962M	75M	75.962M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.825M	17.591M	20.975M	17.641M
5200MHz	Pass	Inf	23.575M	17.641M	25M	17.691M
5240MHz	Pass	Inf	22.05M	17.691M	25.825M	17.741M
5745MHz	Pass	500k	17.575M	17.666M	17.55M	17.741M
5785MHz	Pass	500k	17.275M	17.691M	17.575M	17.666M
5825MHz	Pass	500k	17.25M	17.716M	17.4M	17.716M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.65M	36.032M	38.95M	36.132M
5230MHz	Pass	Inf	69.8M	35.982M	70.95M	36.082M
5755MHz	Pass	500k	31.35M	36.032M	32.55M	36.032M
5795MHz	Pass	500k	35.05M	36.082M	33.8M	36.032M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.8M	75.362M	83.3M	75.862M
5775MHz	Pass	500k	73.8M	75.962M	73.3M	75.762M

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

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

27/07/2019

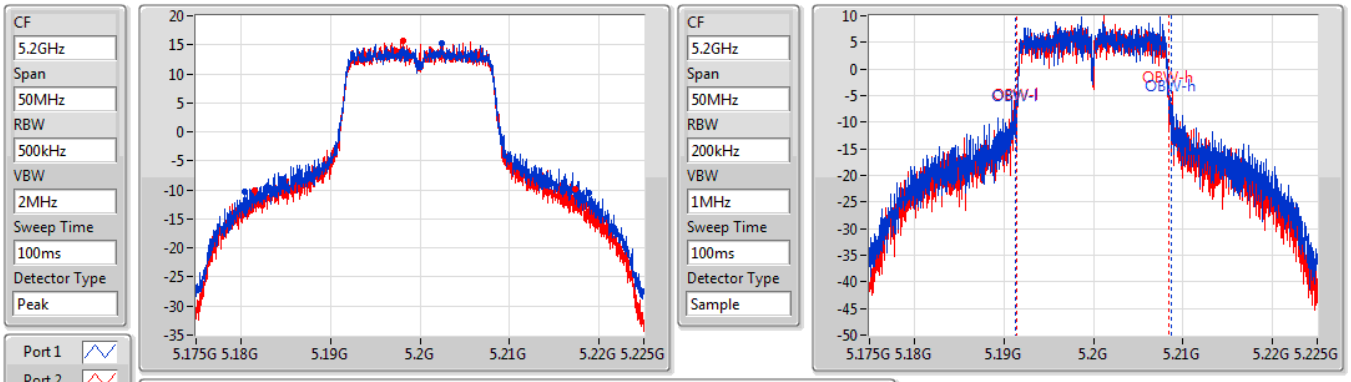


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.325M	5.16995G	5.190275G	16.442M	5.171729G	5.188171G	Inf	1
20.25M	5.16985G	5.1901G	16.467M	5.171704G	5.188171G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

27/07/2019

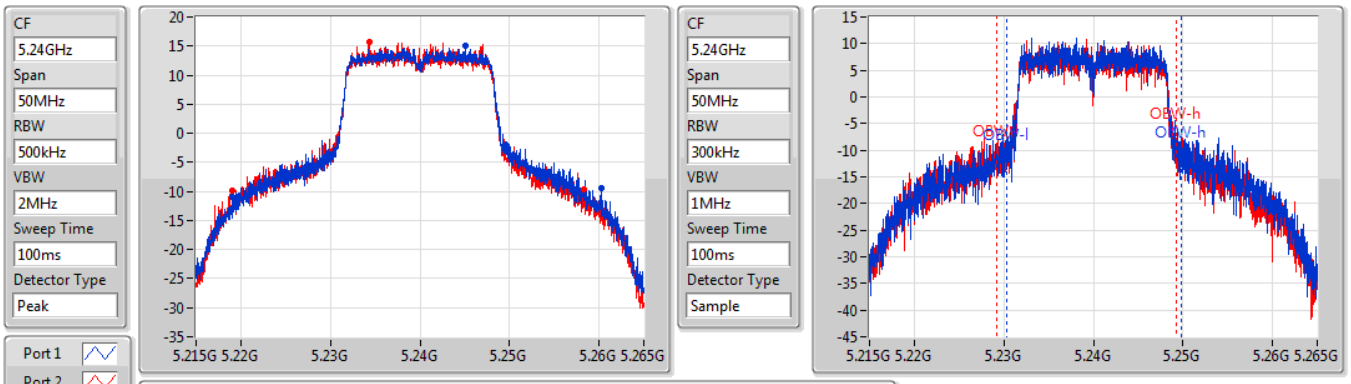


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.425M	5.1805G	5.218925G	17.491M	5.191229G	5.208721G	Inf	1
35.875M	5.181525G	5.2174G	17.066M	5.191429G	5.208496G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

27/07/2019

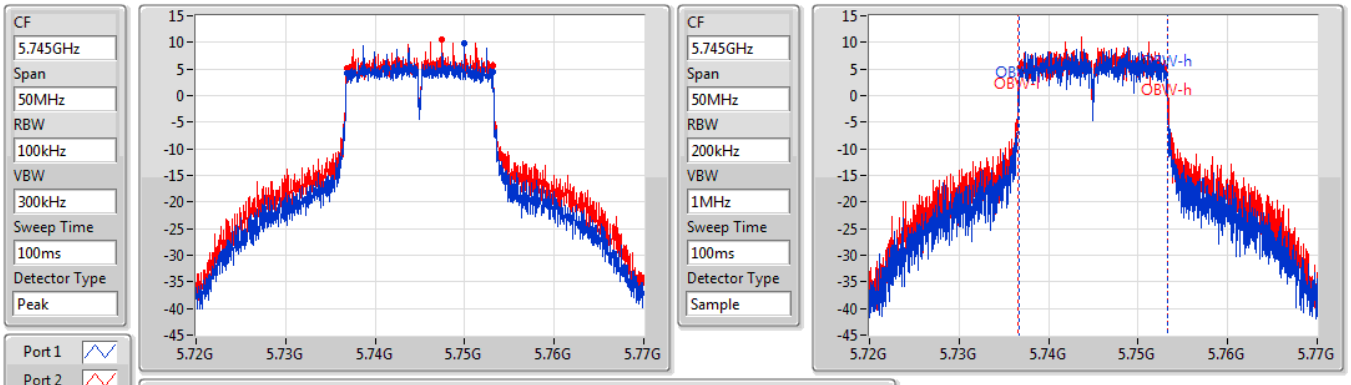


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.275M	5.219G	5.260275G	19.565M	5.230255G	5.24982G	Inf	1
39.25M	5.219075G	5.258325G	20.09M	5.22923G	5.24932G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

27/07/2019

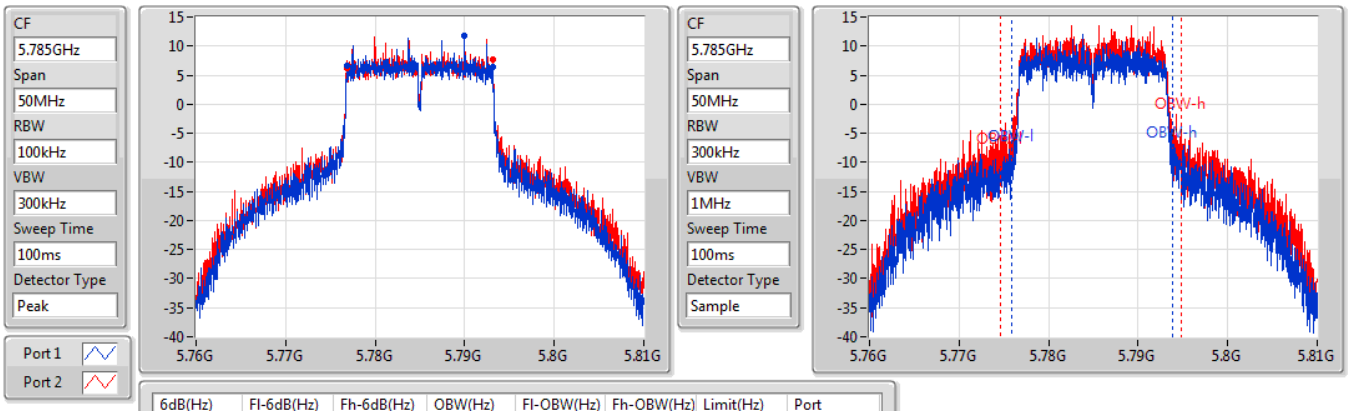


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.736825G	5.7531G	16.542M	5.736679G	5.753221G	500k	1
16.325M	5.7368G	5.753125G	16.767M	5.736579G	5.753346G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

27/07/2019

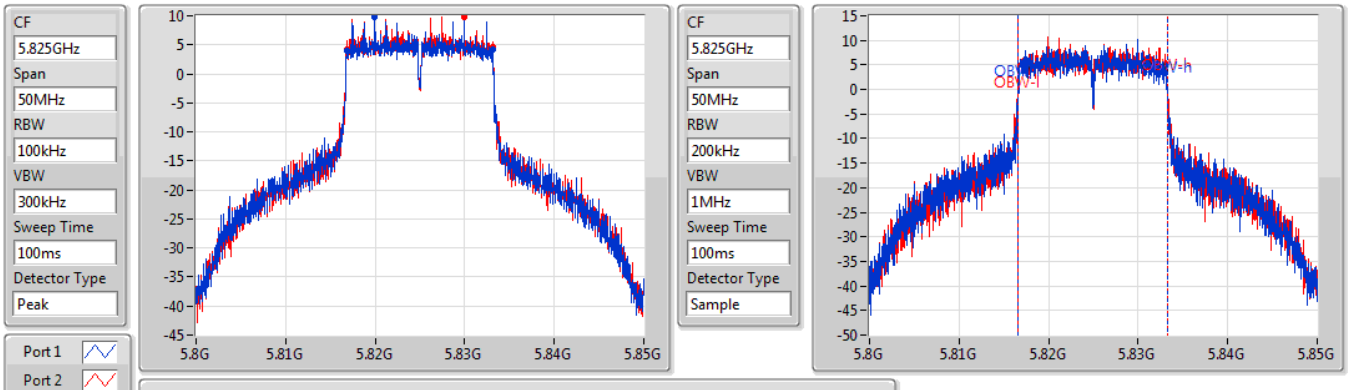


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.776825G	5.793125G	17.916M	5.775905G	5.793821G	500k	1
16.325M	5.7768G	5.793125G	20.19M	5.77468G	5.79487G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

27/07/2019

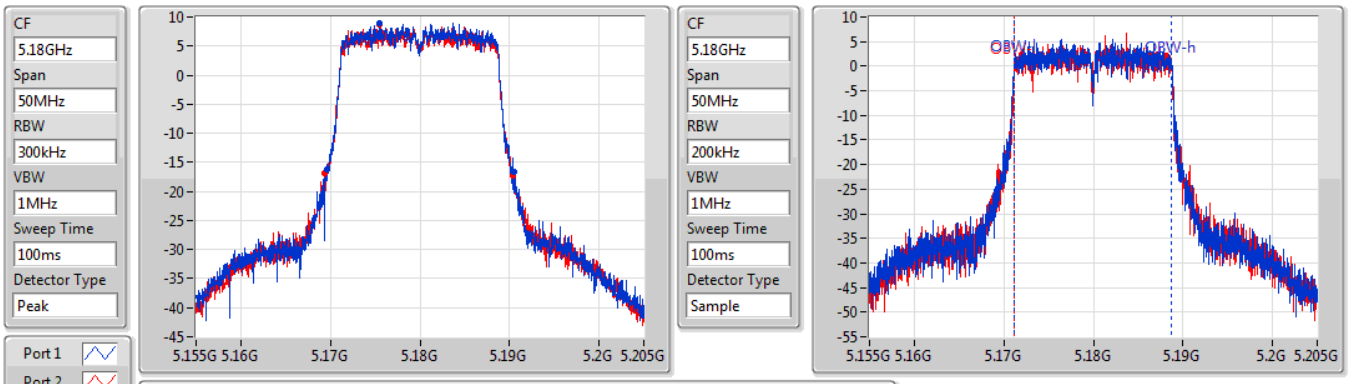


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.8168G	5.833125G	16.692M	5.816579G	5.833271G	500k	1
16.325M	5.8168G	5.833125G	16.667M	5.816604G	5.833271G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

27/07/2019

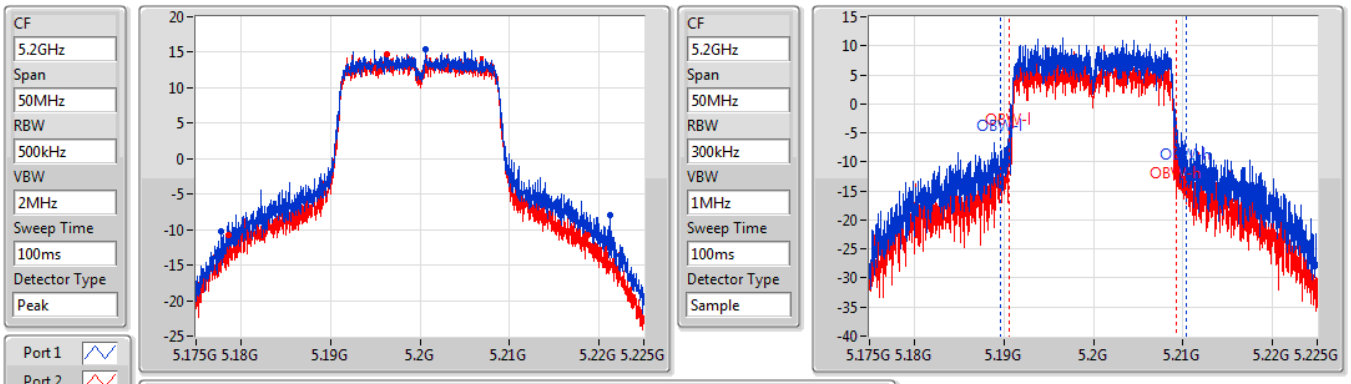


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.95M	5.169625G	5.190575G	17.641M	5.171129G	5.188771G	Inf	1
21M	5.16935G	5.19035G	17.641M	5.171129G	5.188771G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

27/07/2019

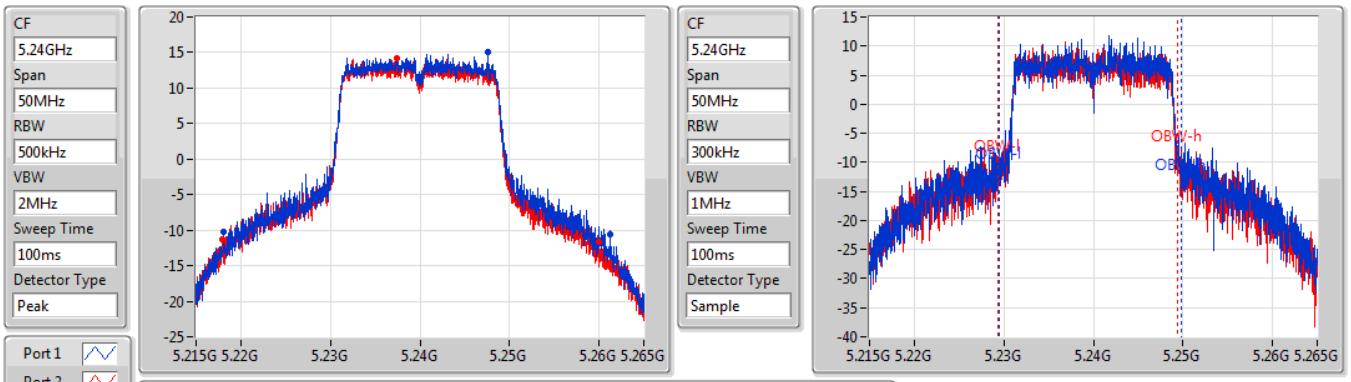


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.5M	5.1778G	5.2213G	20.79M	5.189605G	5.210395G	Inf	1
40.1M	5.178675G	5.218775G	18.716M	5.19053G	5.209245G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

27/07/2019

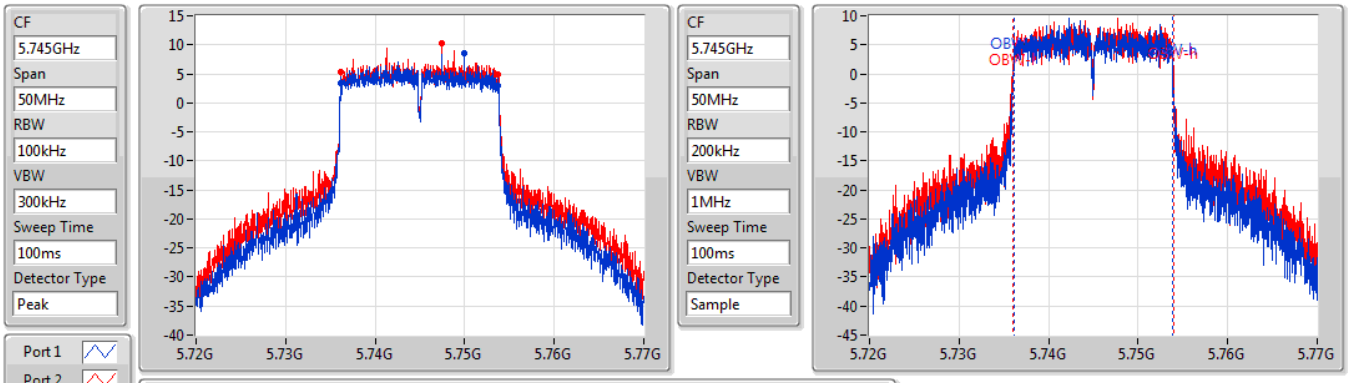


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.225M	5.218075G	5.2613G	20.29M	5.22953G	5.24982G	Inf	1
42.05M	5.217975G	5.260025G	20.04M	5.229305G	5.249345G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

27/07/2019



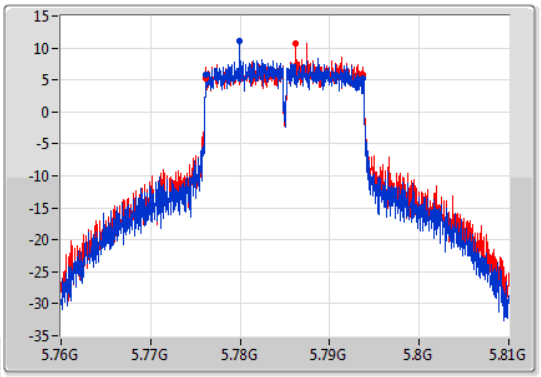
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.736175G	5.75375G	17.716M	5.736104G	5.753821G	500k	1
17.55M	5.7362G	5.75375G	17.966M	5.73598G	5.753946G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

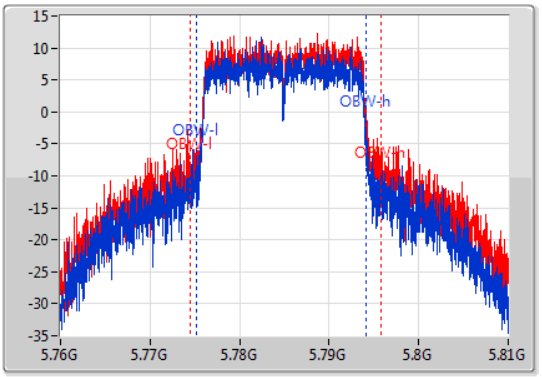
5785MHz

27/07/2019

CF	5.785GHz
Span	50MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak



CF	5.785GHz
Span	50MHz
RBW	300kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Sample



Port 1
Port 2

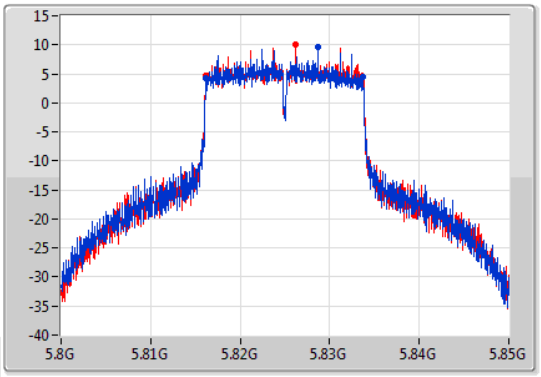
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.7762G	5.79375G	18.966M	5.775205G	5.79417G	500k	1
17.575M	5.776175G	5.79375G	21.314M	5.77443G	5.795745G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

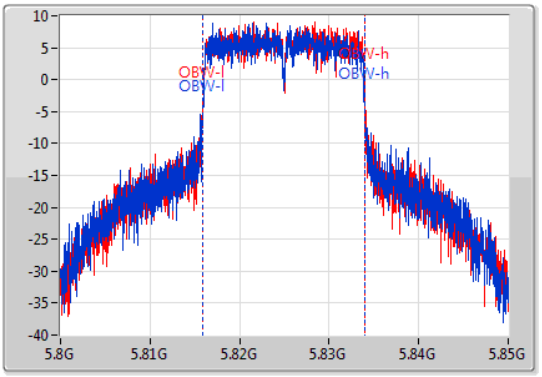
5825MHz

27/07/2019

CF	5.825GHz
Span	50MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak



CF	5.825GHz
Span	50MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Sample



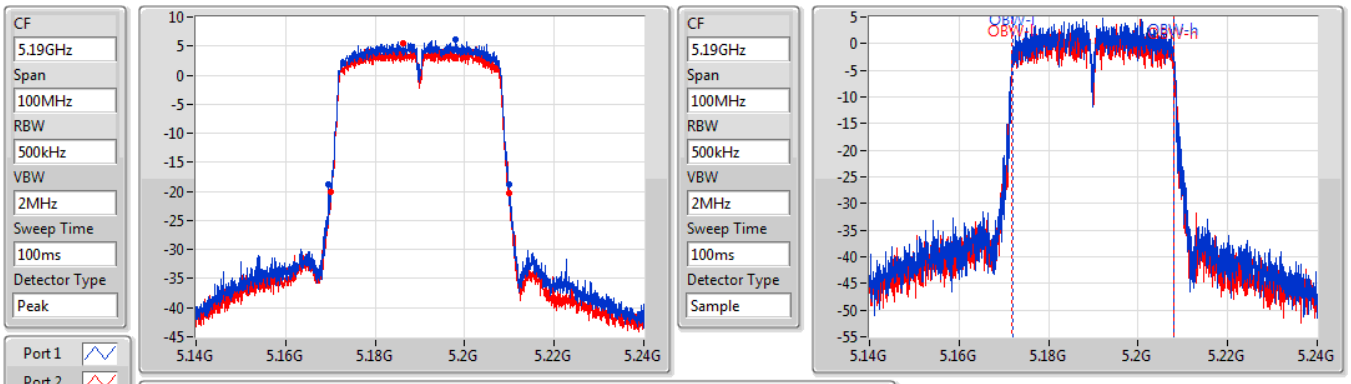
Port 1
Port 2

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	5.8162G	5.833725G	18.091M	5.815855G	5.833946G	500k	1
17.55M	5.8162G	5.83375G	18.016M	5.81593G	5.833946G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

27/07/2019

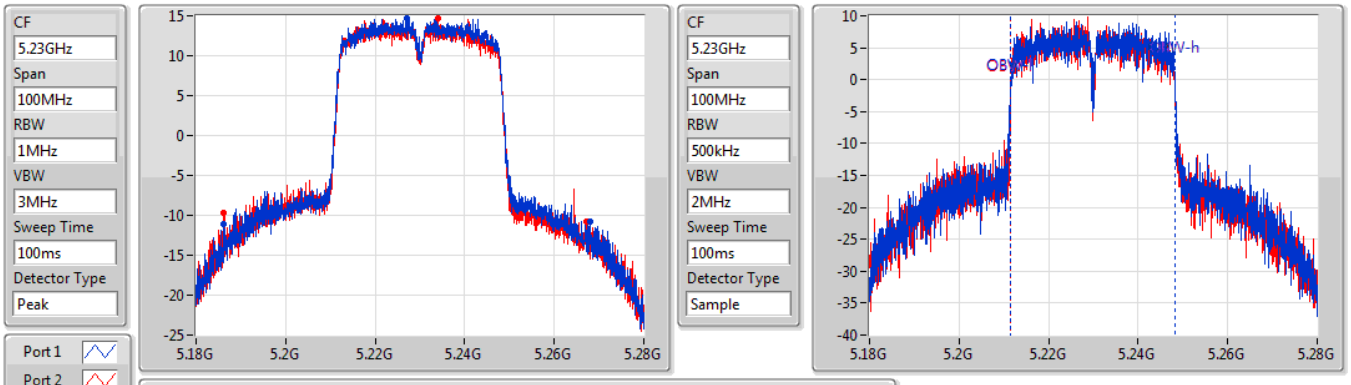


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.3M	5.1696G	5.2099G	36.032M	5.171959G	5.207991G	Inf	1
39.85M	5.17G	5.20985G	36.082M	5.171859G	5.207941G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

27/07/2019

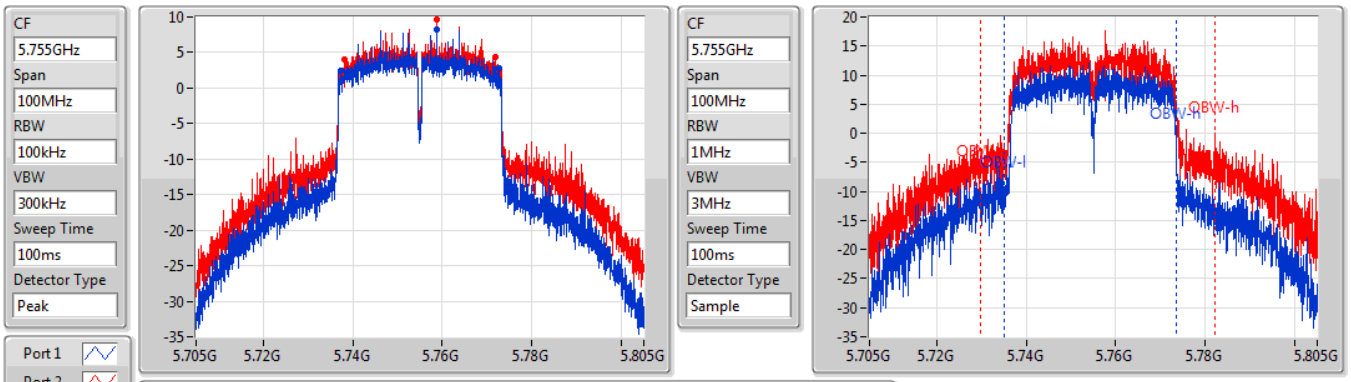


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.9M	5.18625G	5.26815G	36.582M	5.211559G	5.248141G	Inf	1
81.15M	5.186G	5.26715G	36.532M	5.211609G	5.248141G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

27/07/2019

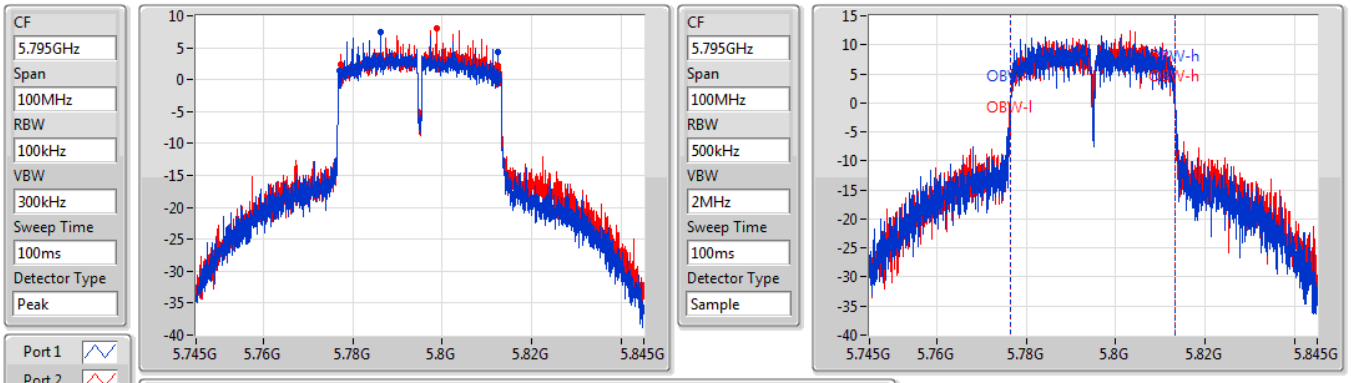


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.55M	5.7372G	5.77275G	38.381M	5.73506G	5.773441G	500k	1
33.75M	5.7381G	5.77185G	52.374M	5.729713G	5.782086G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5795MHz

27/07/2019



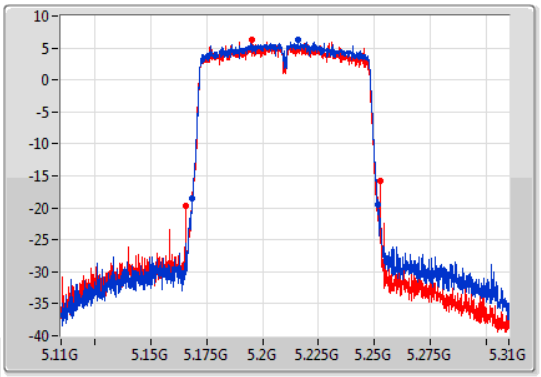
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.35M	5.7771G	5.81245G	36.682M	5.776459G	5.813141G	500k	1
35.25M	5.7772G	5.81245G	36.932M	5.776409G	5.813341G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

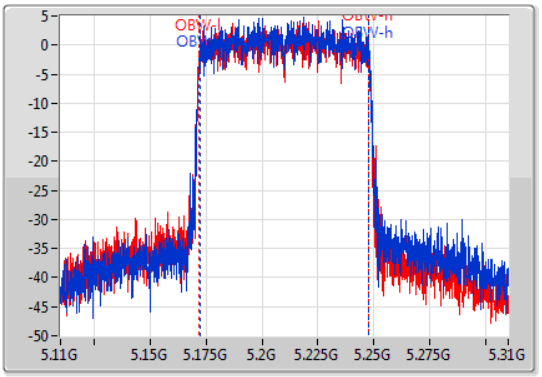
5210MHz

27/07/2019

CF	5.21GHz
Span	200MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Peak



CF	5.21GHz
Span	200MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



Port 1
Port 2

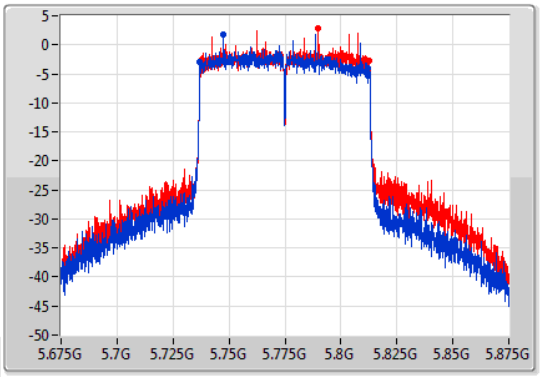
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.1M	5.1686G	5.2517G	75.562M	5.172219G	5.247781G	Inf	1
87M	5.1656G	5.2526G	75.662M	5.172019G	5.247681G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

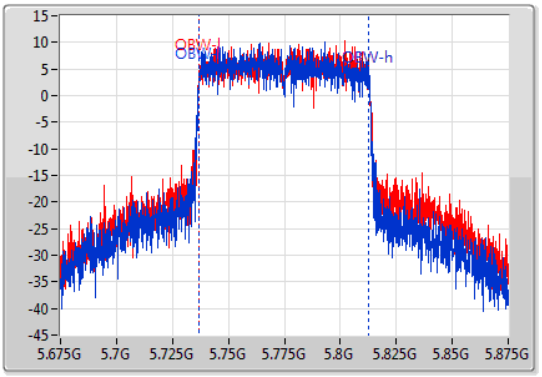
5775MHz

27/07/2019

CF	5.775GHz
Span	200MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak



CF	5.775GHz
Span	200MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Sample



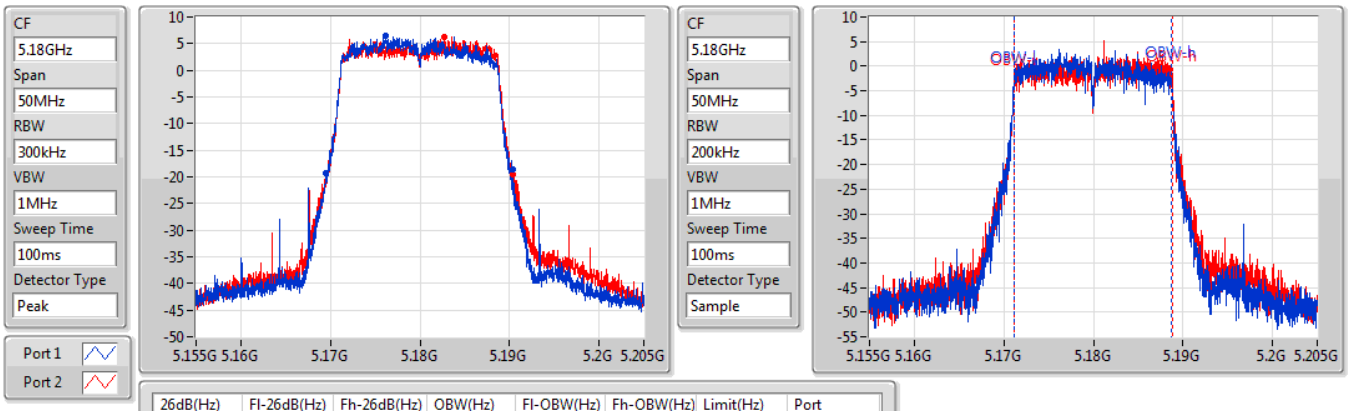
Port 1
Port 2

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.5M	5.7368G	5.8123G	75.962M	5.736919G	5.812881G	500k	1
75M	5.7377G	5.8127G	75.962M	5.736919G	5.812881G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5180MHz

27/07/2019

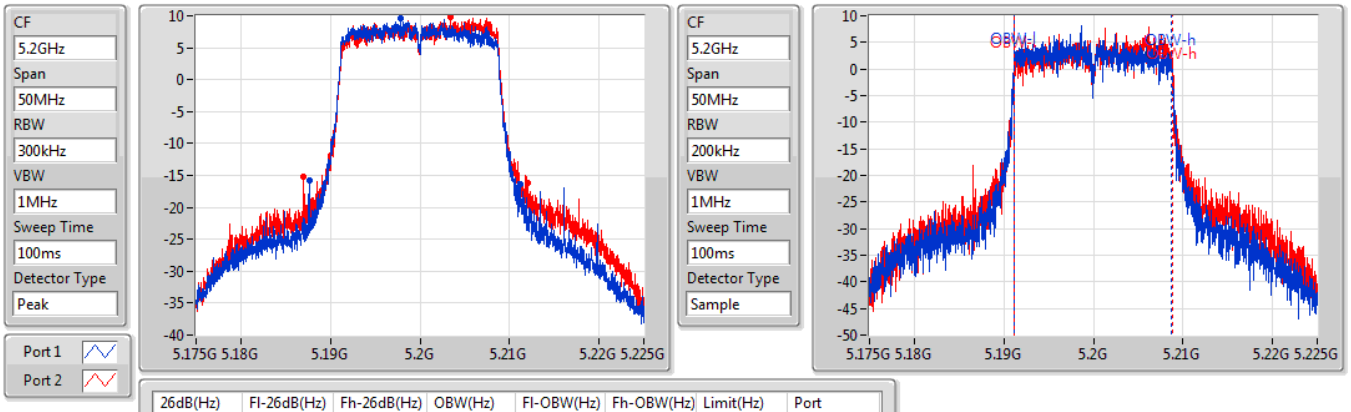


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.825M	5.169525G	5.19035G	17.591M	5.171129G	5.188721G	Inf	1
20.975M	5.16945G	5.190425G	17.641M	5.171154G	5.188796G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5200MHz

27/07/2019

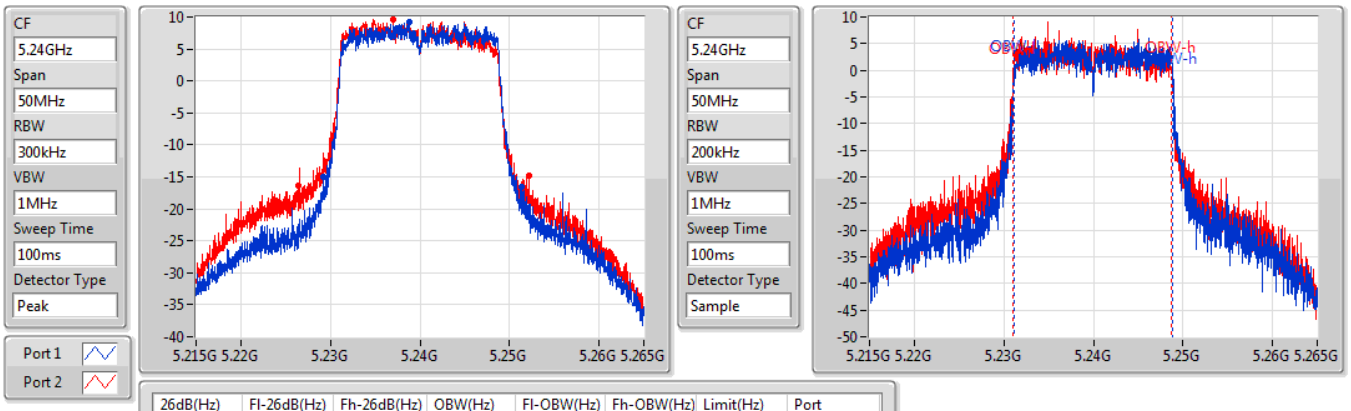


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.575M	5.187625G	5.2112G	17.641M	5.191129G	5.208771G	Inf	1
25M	5.187025G	5.212025G	17.691M	5.191154G	5.208846G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5240MHz

27/07/2019

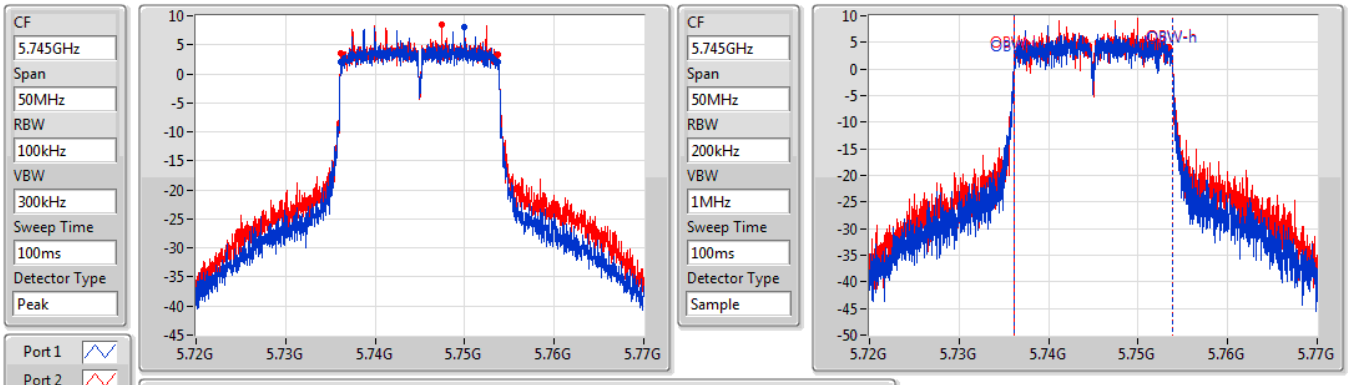


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.05M	5.22925G	5.2513G	17.691M	5.231154G	5.248846G	Inf	1
25.825M	5.226375G	5.2522G	17.741M	5.231029G	5.248771G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5745MHz

27/07/2019

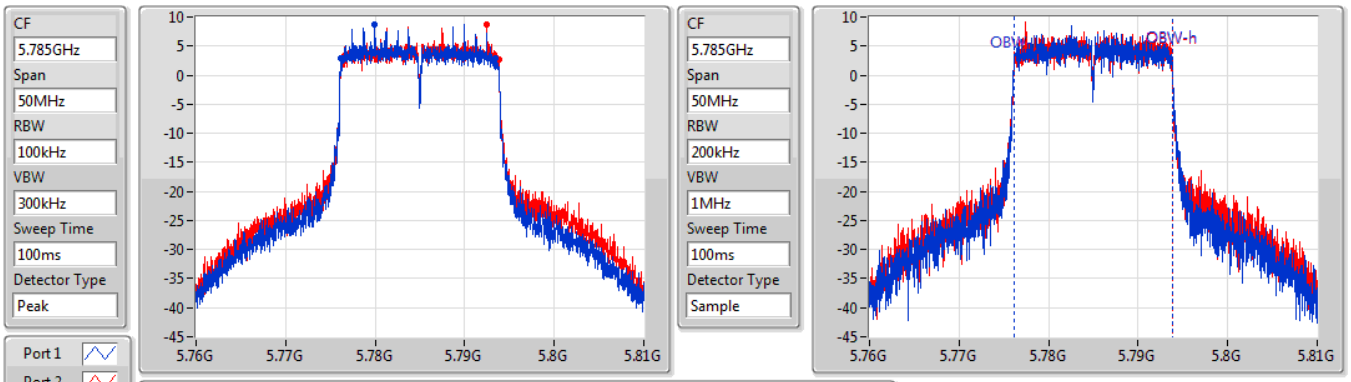


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.736175G	5.75375G	17.666M	5.736129G	5.753796G	500k	1
17.55M	5.7362G	5.75375G	17.741M	5.736129G	5.753871G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5785MHz

27/07/2019

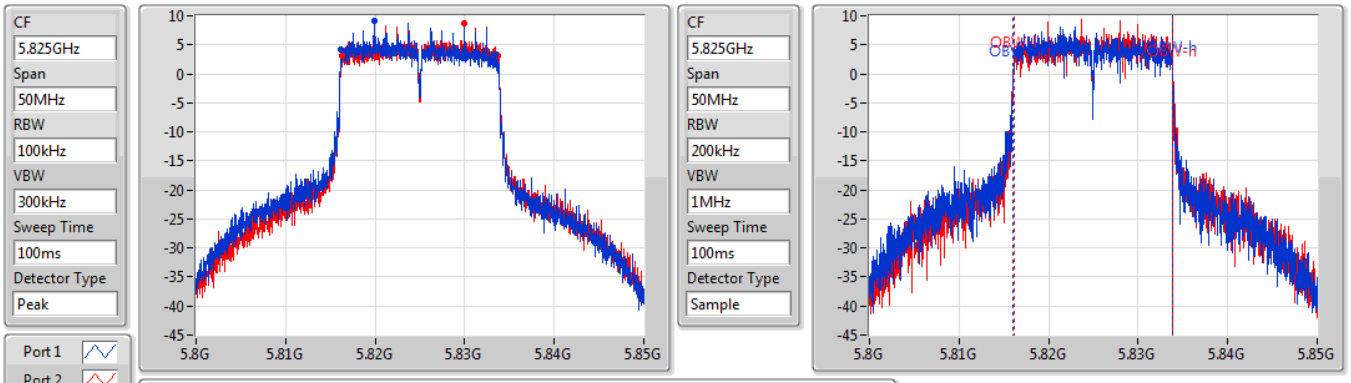


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.275M	5.7762G	5.793475G	17.691M	5.776104G	5.793796G	500k	1
17.575M	5.7762G	5.793775G	17.666M	5.776129G	5.793796G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

5825MHz

27/07/2019

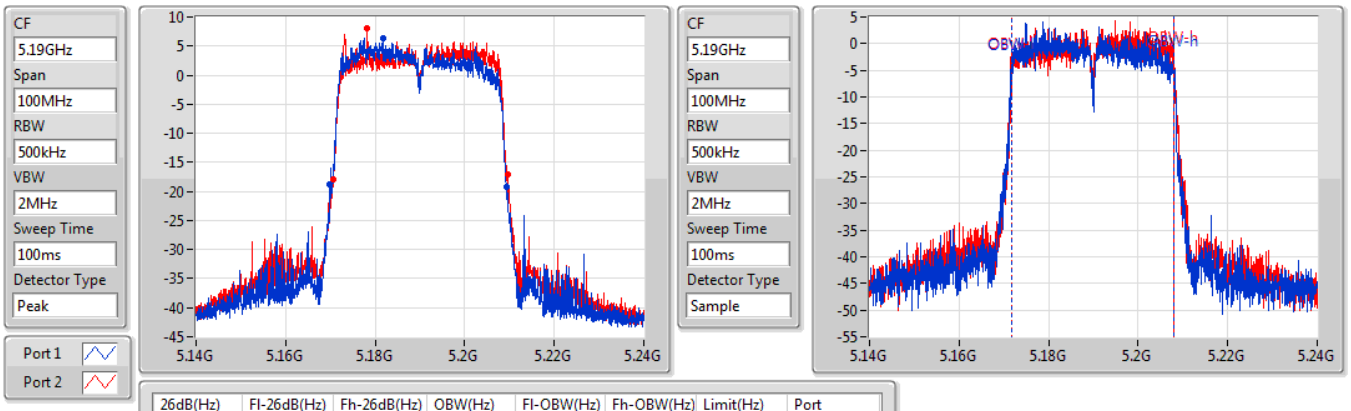


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.25M	5.8162G	5.83345G	17.716M	5.816079G	5.833796G	500k	1
17.4M	5.81635G	5.83375G	17.716M	5.816104G	5.833821G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5190MHz

27/07/2019

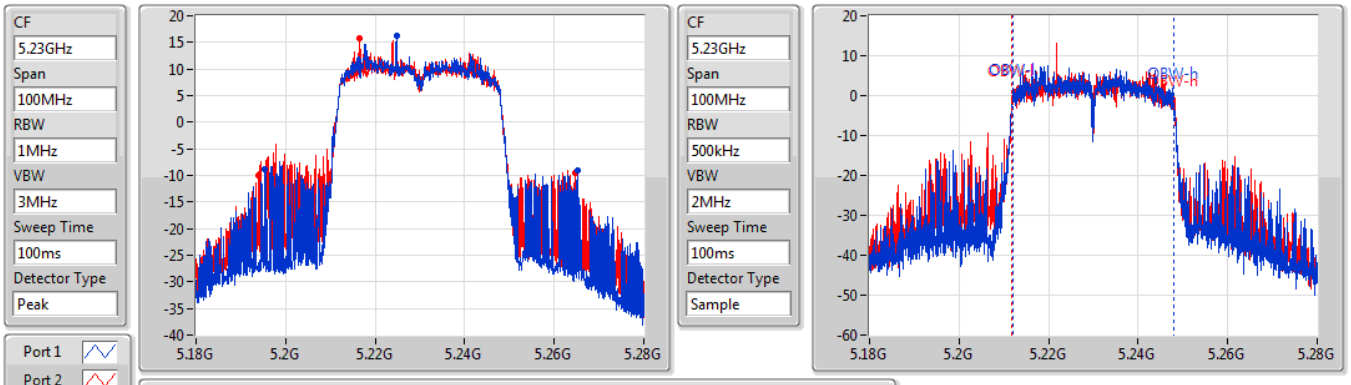


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.65M	5.1698G	5.20945G	36.032M	5.171809G	5.207841G	Inf	1
38.95M	5.17055G	5.2095G	36.132M	5.171859G	5.207991G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5230MHz

27/07/2019

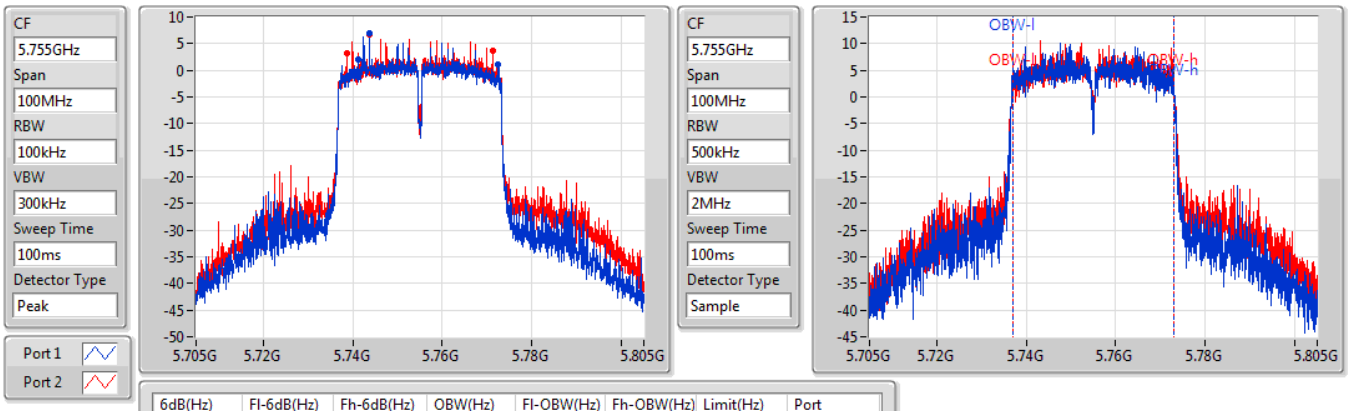


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
69.8M	5.1953G	5.2651G	35.982M	5.211909G	5.247891G	Inf	1
70.95M	5.19385G	5.2648G	36.082M	5.211809G	5.247891G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5755MHz

27/07/2019

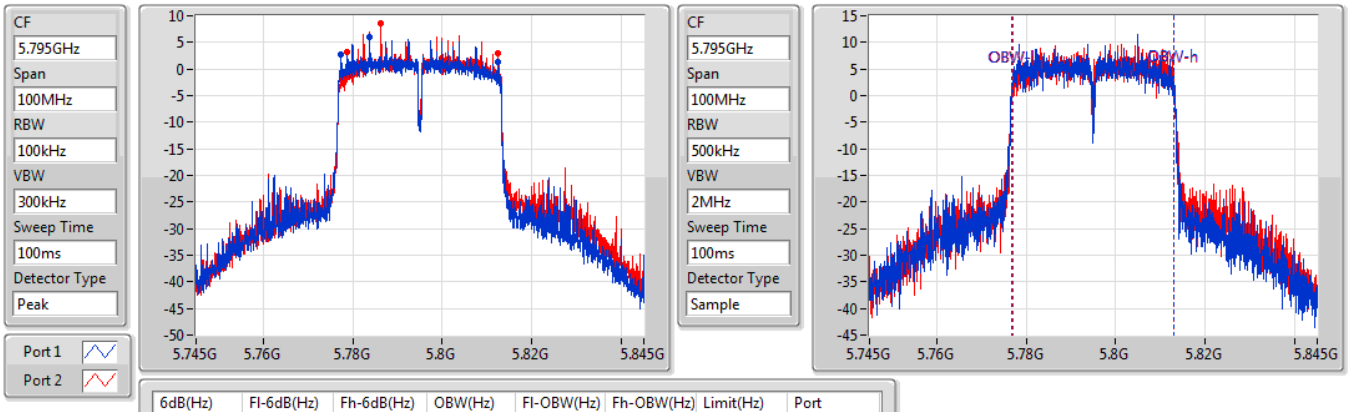


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.35M	5.74115G	5.7725G	36.032M	5.736909G	5.772941G	500k	1
32.55M	5.7387G	5.77125G	36.032M	5.736909G	5.772941G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5795MHz

27/07/2019

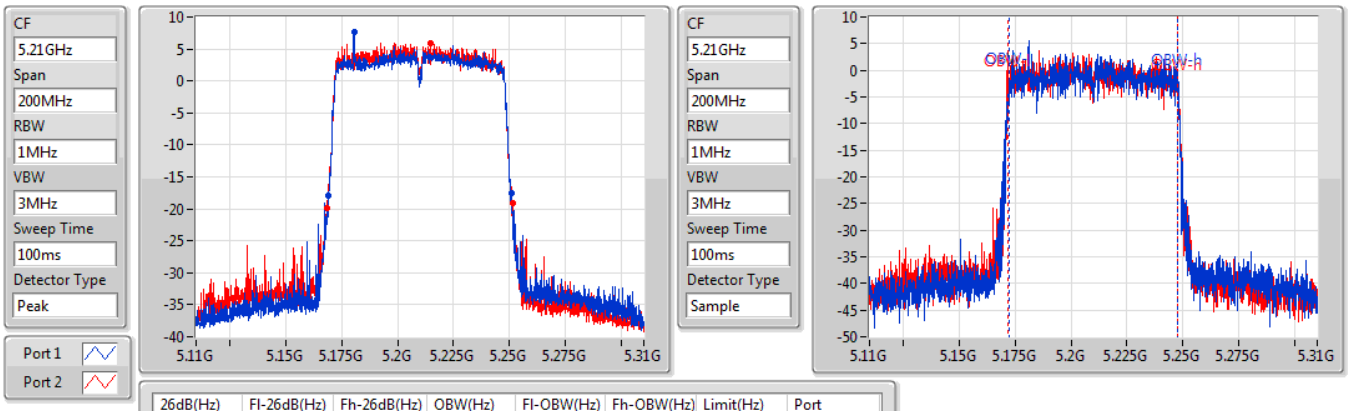


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	5.77745G	5.8125G	36.082M	5.776859G	5.812941G	500k	1
33.8M	5.7787G	5.8125G	36.032M	5.776959G	5.812991G	500k	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5210MHz

27/07/2019

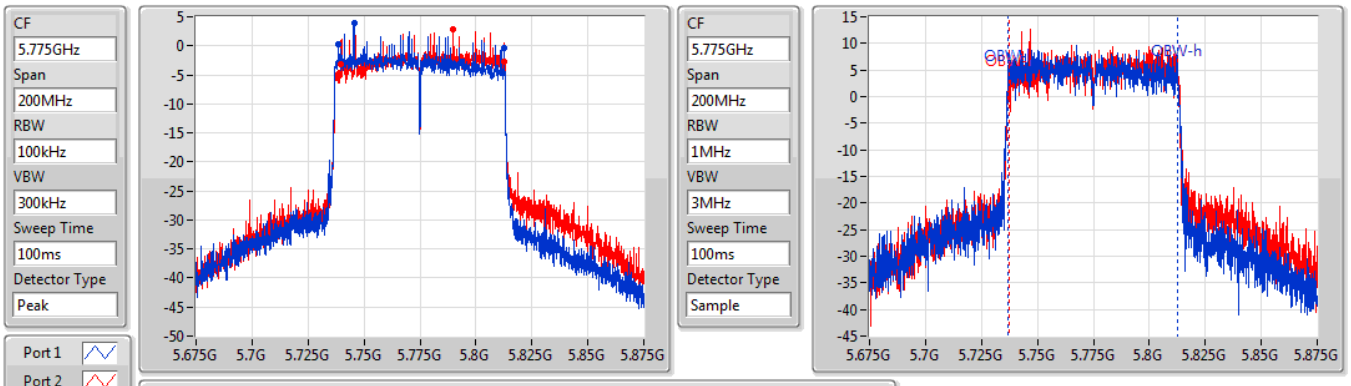


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.8M	5.1689G	5.2507G	75.362M	5.172319G	5.247681G	Inf	1
83.3M	5.1684G	5.2517G	75.862M	5.171719G	5.247581G	Inf	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5775MHz

27/07/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.8M	5.7387G	5.8125G	75.962M	5.736819G	5.812781G	500k	1
73.3M	5.7395G	5.8128G	75.762M	5.737119G	5.812881G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	24.03	0.25293
802.11ac VHT20_Nss1,(MCS0)_2TX	24.38	0.27416
802.11ac VHT40_Nss1,(MCS0)_2TX	23.24	0.21086
802.11ac VHT80_Nss1,(MCS0)_2TX	18.36	0.06855
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	21.88	0.15417
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	19.83	0.09616
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	17.14	0.05176
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	25.96	0.39446
802.11ac VHT20_Nss1,(MCS0)_2TX	25.97	0.39537
802.11ac VHT40_Nss1,(MCS0)_2TX	26.42	0.43853
802.11ac VHT80_Nss1,(MCS0)_2TX	23.52	0.22491
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	23.50	0.22387
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	23.18	0.20797
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	22.76	0.18880

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.20	18.30	17.81	21.07	30.00
5200MHz	Pass	5.20	21.24	20.79	24.03	30.00
5240MHz	Pass	5.20	21.07	20.49	23.80	30.00
5745MHz	Pass	5.85	21.25	21.95	24.62	30.00
5785MHz	Pass	5.85	22.89	23.01	25.96	30.00
5825MHz	Pass	5.85	21.40	21.65	24.54	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.20	18.05	17.52	20.80	30.00
5200MHz	Pass	5.20	21.67	21.04	24.38	30.00
5240MHz	Pass	5.20	21.19	20.57	23.90	30.00
5745MHz	Pass	5.85	21.23	21.90	24.59	30.00
5785MHz	Pass	5.85	22.92	23.00	25.97	30.00
5825MHz	Pass	5.85	21.99	22.14	25.08	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.20	15.70	14.60	18.20	30.00
5230MHz	Pass	5.20	20.45	19.99	23.24	30.00
5755MHz	Pass	5.85	22.99	23.79	26.42	30.00
5795MHz	Pass	5.85	22.38	22.83	25.62	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	5.20	15.64	15.04	18.36	30.00
5775MHz	Pass	5.85	20.25	20.76	23.52	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.20	15.47	15.30	18.40	30.00
5200MHz	Pass	5.20	18.85	18.88	21.88	30.00
5240MHz	Pass	5.20	18.49	18.64	21.58	30.00
5745MHz	Pass	5.85	19.74	20.21	22.99	30.00
5785MHz	Pass	5.85	20.41	20.57	23.50	30.00
5825MHz	Pass	5.85	20.28	20.37	23.34	30.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.20	13.79	14.30	17.06	30.00
5230MHz	Pass	5.20	16.87	16.76	19.83	30.00
5755MHz	Pass	5.85	19.48	19.92	22.72	30.00
5795MHz	Pass	5.85	20.09	20.25	23.18	30.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	5.20	13.82	14.42	17.14	30.00
5775MHz	Pass	5.85	19.53	19.96	22.76	30.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.39
802.11ac VHT20_Nss1,(MCS0)_2TX	10.46
802.11ac VHT40_Nss1,(MCS0)_2TX	6.70
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.33
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	7.92
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	3.50
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-2.83
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.83
802.11ac VHT20_Nss1,(MCS0)_2TX	10.45
802.11ac VHT40_Nss1,(MCS0)_2TX	8.16
802.11ac VHT80_Nss1,(MCS0)_2TX	2.05
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	8.08
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	5.12
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	1.28

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

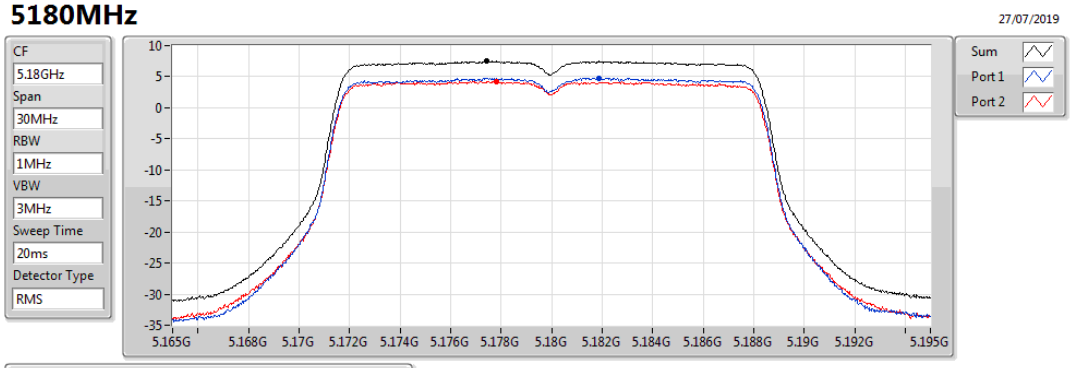
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.20	4.77	4.26	7.47	17.00
5200MHz	Pass	5.20	7.64	7.23	10.39	17.00
5240MHz	Pass	5.20	7.52	7.11	10.22	17.00
5745MHz	Pass	5.85	6.44	7.09	9.71	30.00
5785MHz	Pass	5.85	7.90	8.11	10.83	30.00
5825MHz	Pass	5.85	6.36	6.78	9.50	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.20	4.24	3.73	6.92	17.00
5200MHz	Pass	5.20	7.76	7.25	10.46	17.00
5240MHz	Pass	5.20	7.45	6.79	10.06	17.00
5745MHz	Pass	5.85	6.14	6.68	9.20	30.00
5785MHz	Pass	5.85	7.62	7.54	10.45	30.00
5825MHz	Pass	5.85	6.62	6.64	9.56	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.20	-0.79	-2.02	1.57	17.00
5230MHz	Pass	5.20	3.93	3.51	6.70	17.00
5755MHz	Pass	5.85	4.97	5.62	8.16	30.00
5795MHz	Pass	5.85	4.53	4.72	7.34	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	5.20	-4.04	-4.53	-1.33	17.00
5775MHz	Pass	5.85	-1.05	-0.69	2.05	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.20	2.06	1.63	4.50	17.00
5200MHz	Pass	5.20	5.02	5.60	7.92	17.00
5240MHz	Pass	5.20	4.88	5.18	7.75	17.00
5745MHz	Pass	5.85	4.71	5.11	7.84	30.00
5785MHz	Pass	5.85	5.17	5.27	8.08	30.00
5825MHz	Pass	5.85	5.45	5.32	7.98	30.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.20	-1.96	-2.00	0.32	17.00
5230MHz	Pass	5.20	1.01	0.70	3.50	17.00
5755MHz	Pass	5.85	1.50	1.99	4.67	30.00
5795MHz	Pass	5.85	2.08	2.33	5.12	30.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	5.20	-6.06	-5.60	-2.83	17.00
5775MHz	Pass	5.85	-1.36	-1.38	1.28	30.00

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

802.11a_Nss1,(6Mbps)_2TX PSD

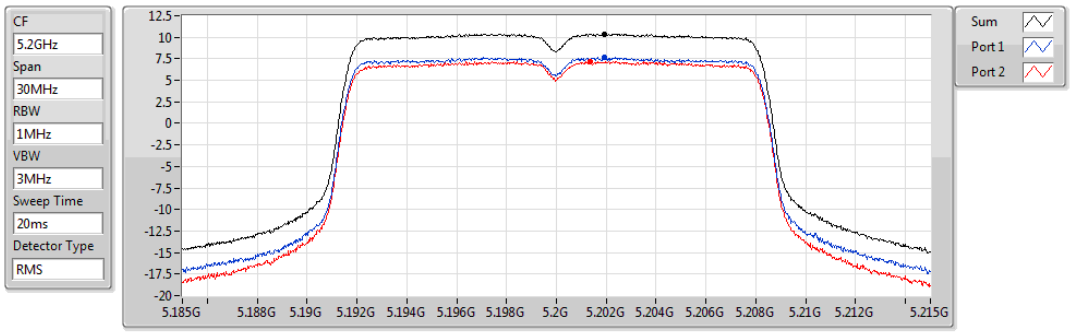
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.47	7.47	4.77	4.26

802.11a_Nss1,(6Mbps)_2TX PSD

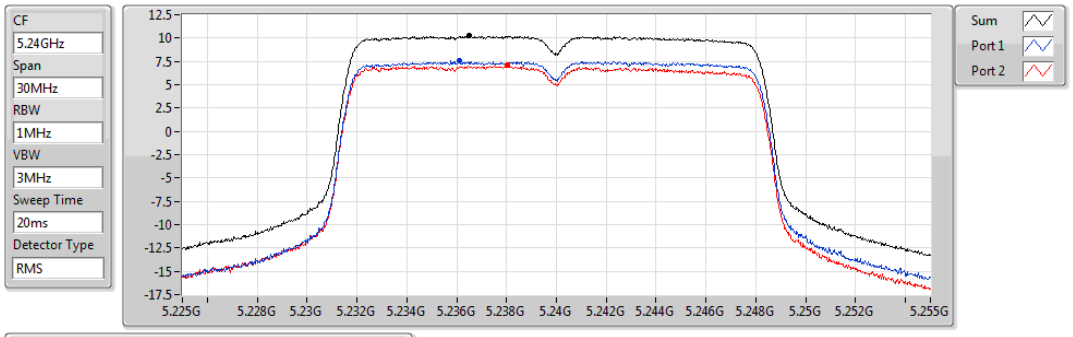
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.39	10.39	7.64	7.23

802.11a_Nss1,(6Mbps)_2TX PSD

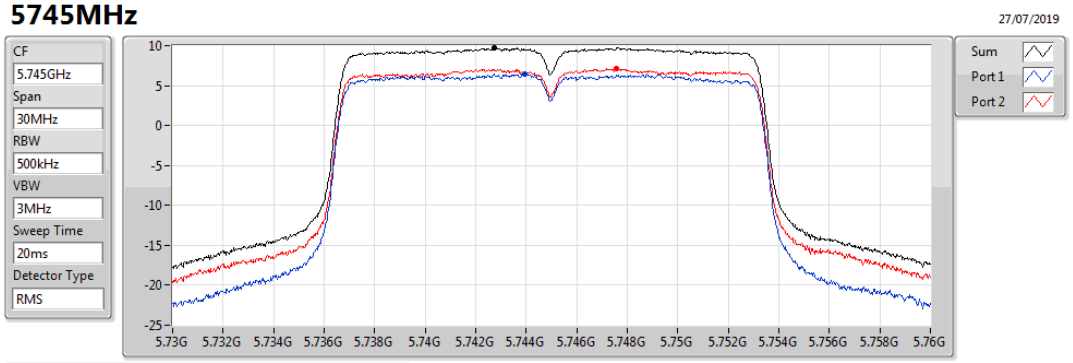
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.22	10.22	7.52	7.11

802.11a_Nss1,(6Mbps)_2TX PSD

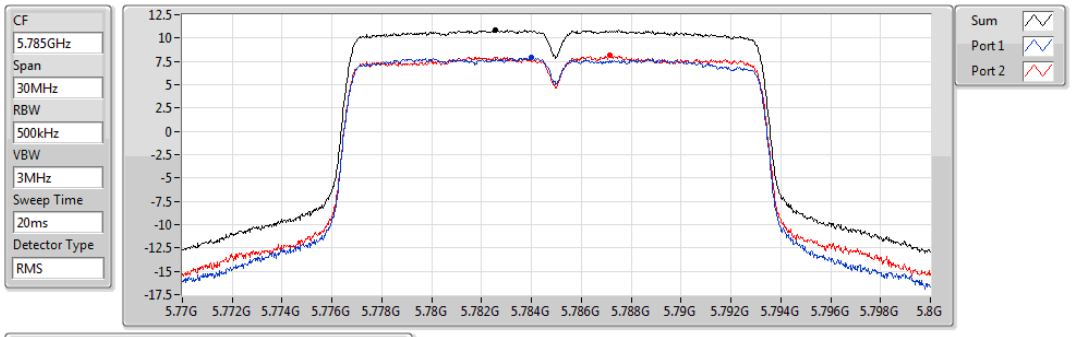
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.71	9.71	6.44	7.09

802.11a_Nss1,(6Mbps)_2TX PSD

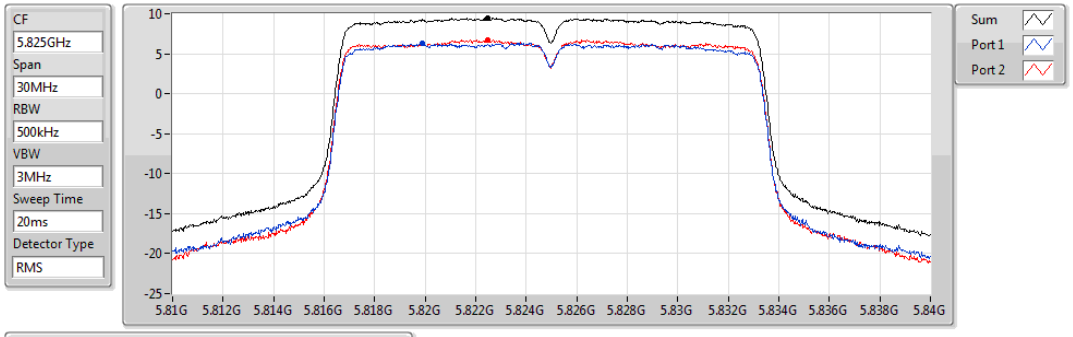
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.83	10.83	7.90	8.11

802.11a_Nss1,(6Mbps)_2TX PSD

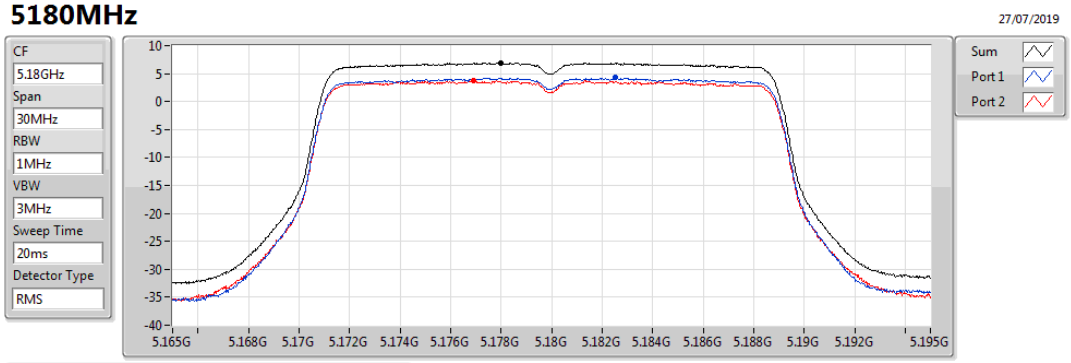
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.50	9.50	6.36	6.78

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

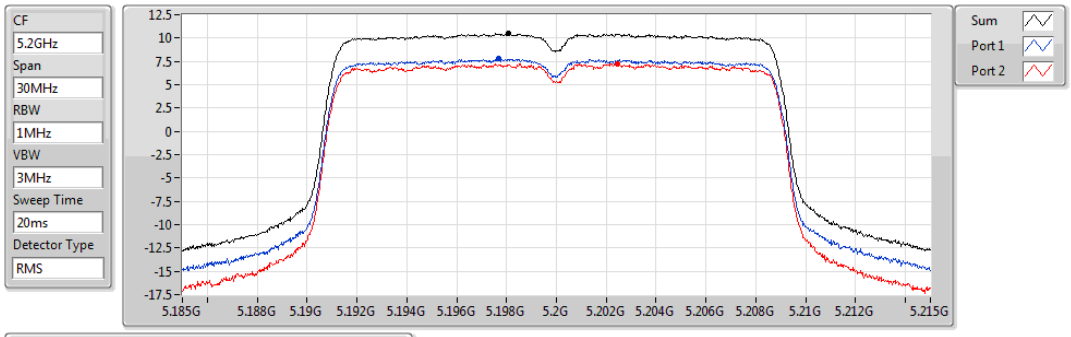
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.92	6.92	4.24	3.73

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

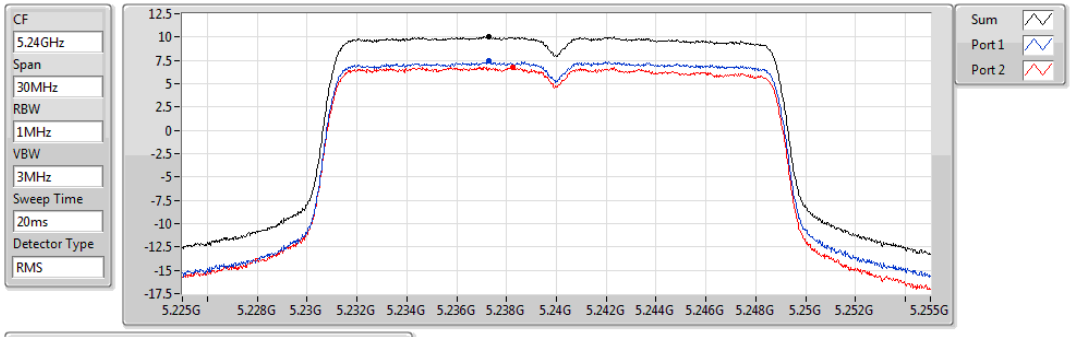
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.46	10.46	7.76	7.25

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

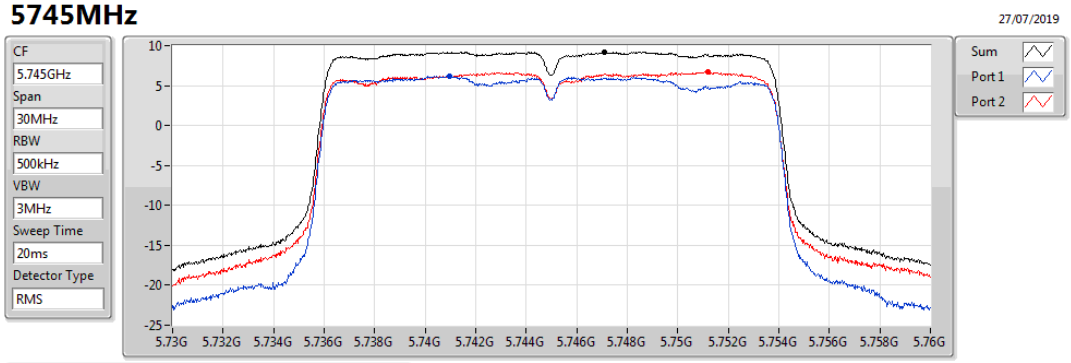
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.06	10.06	7.45	6.79

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

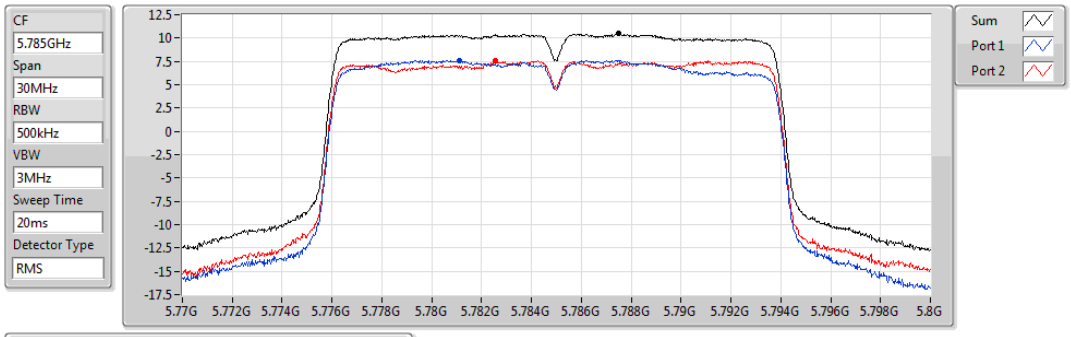
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.20	9.20	6.14	6.68

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

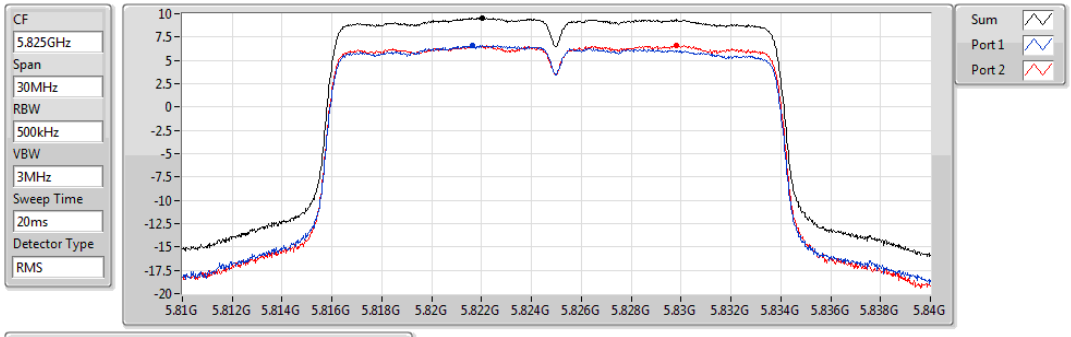
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.45	10.45	7.62	7.54

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

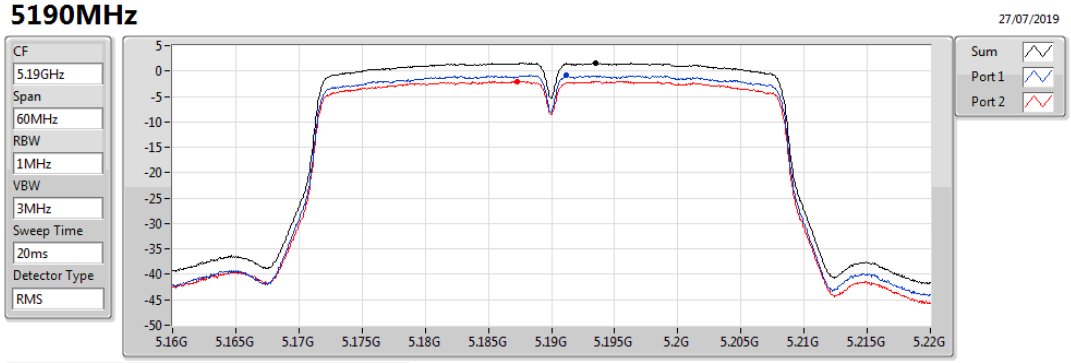
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.56	9.56	6.62	6.64

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

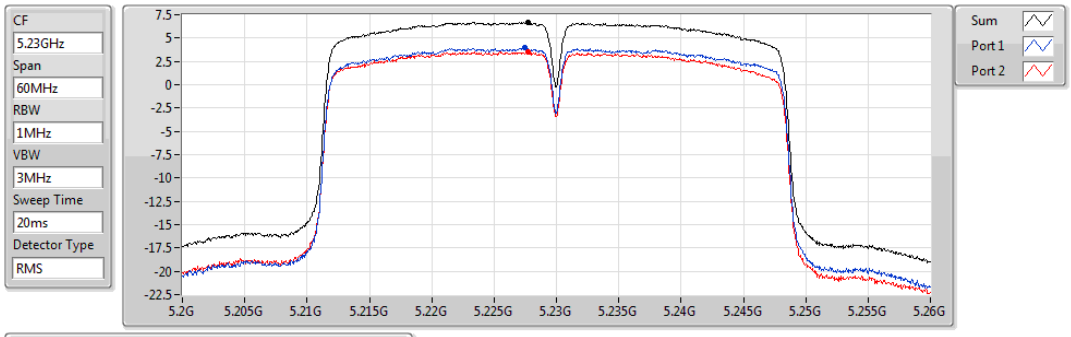
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.57	1.57	-0.79	-2.02

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

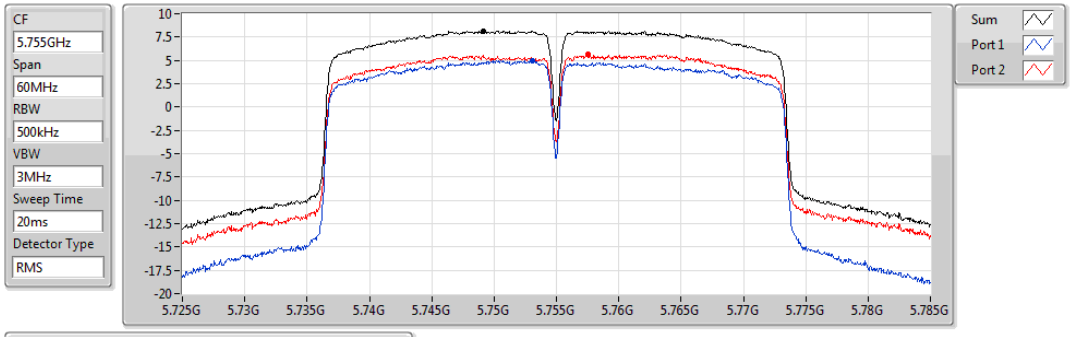
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.70	6.70	3.93	3.51

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

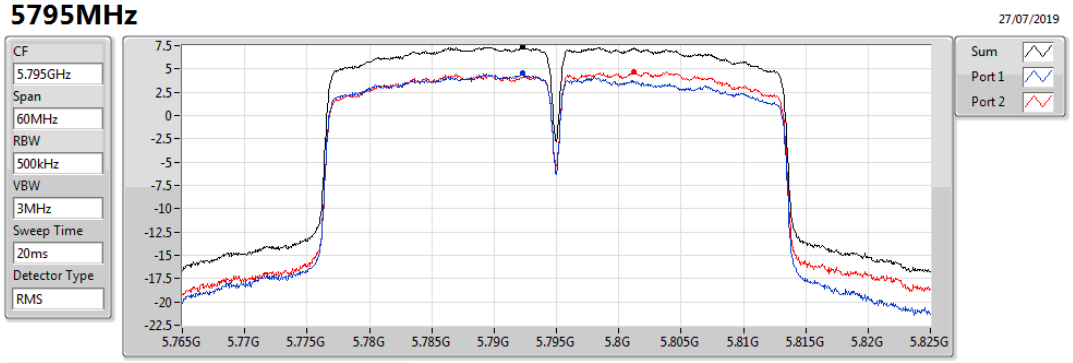
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.16	8.16	4.97	5.62

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

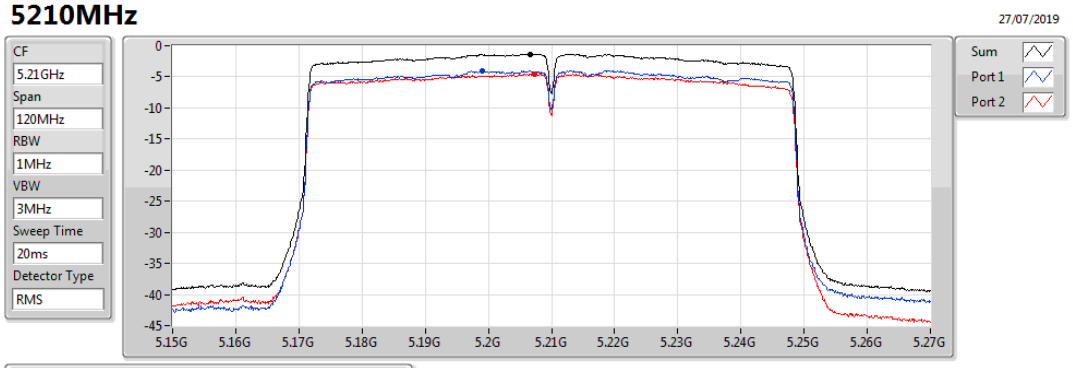
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.34	7.34	4.53	4.72

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

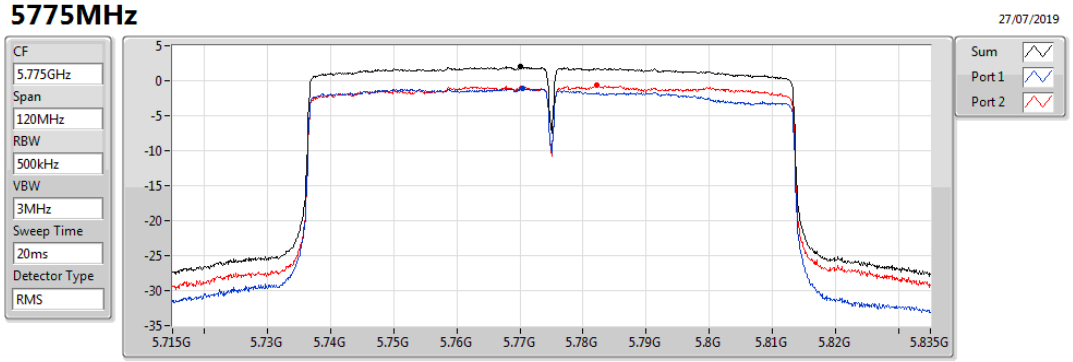
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.33	-1.33	-4.04	-4.53

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

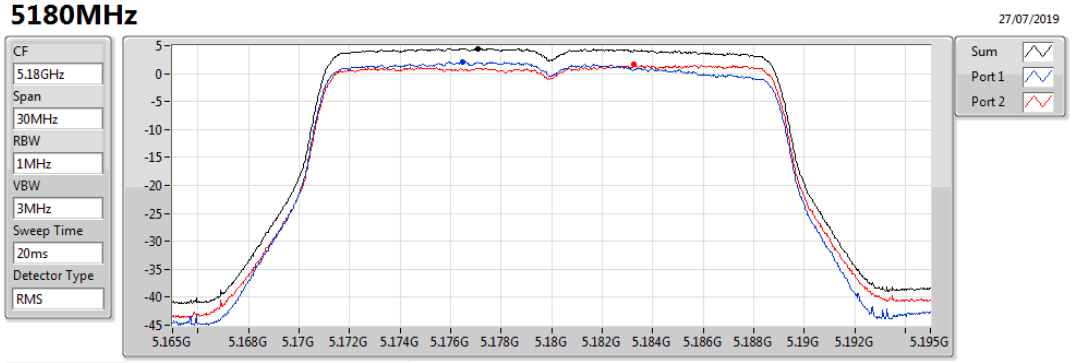
5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.05	2.05	-1.05	-0.69

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

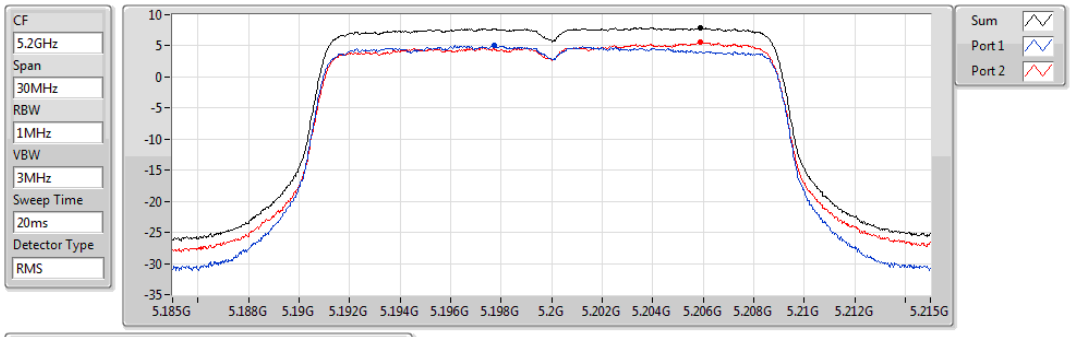
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.50	4.50	2.06	1.63

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

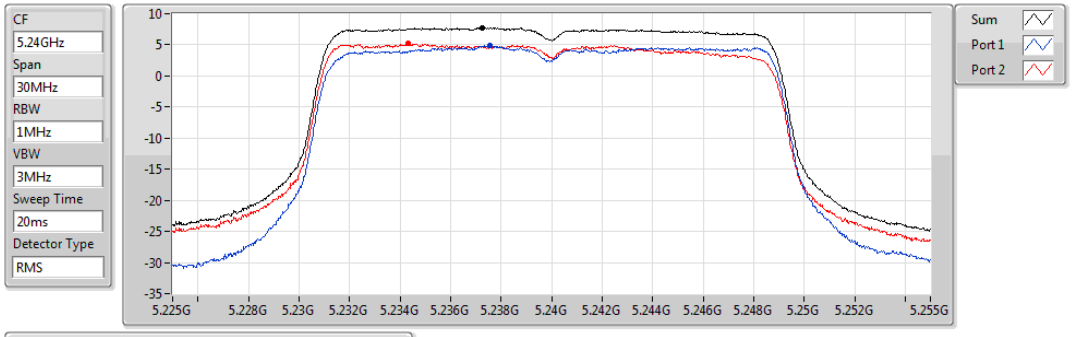
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.92	7.92	5.02	5.60

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

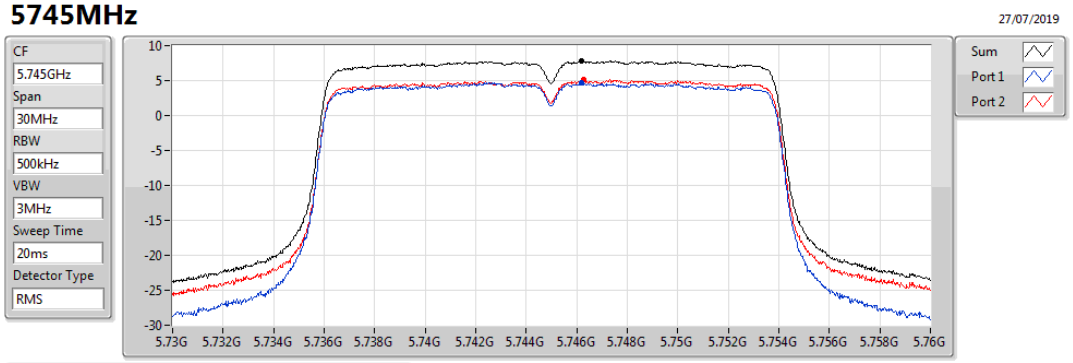
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.75	7.75	4.88	5.18

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

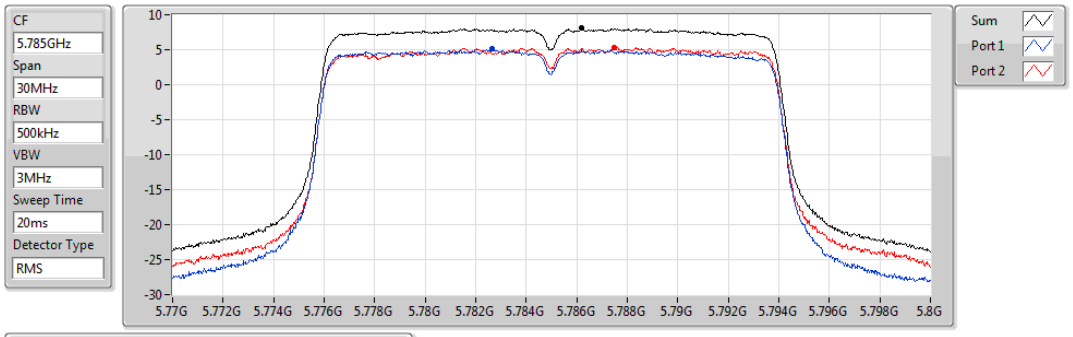
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.84	7.84	4.71	5.11

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

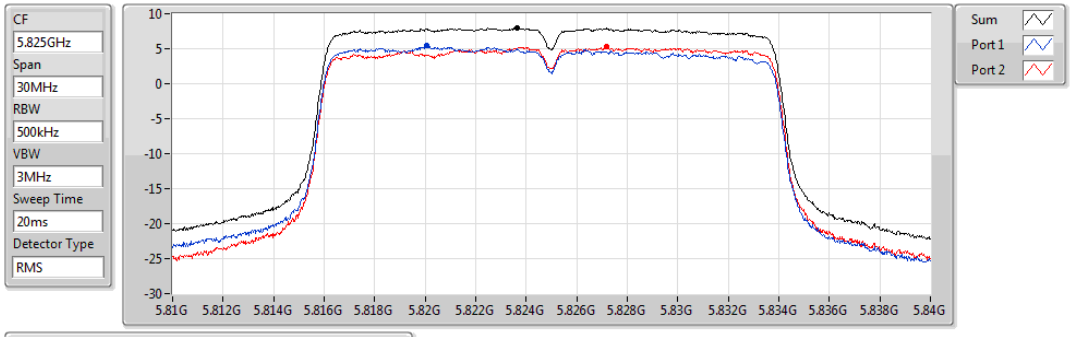
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.08	8.08	5.17	5.27

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

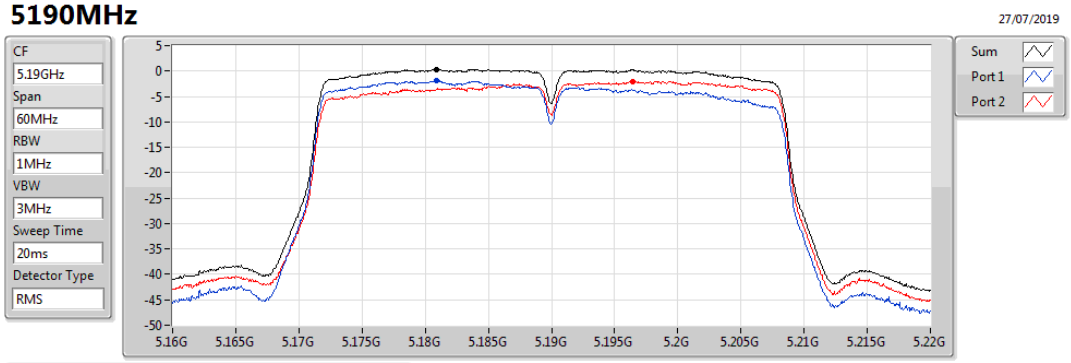
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.98	7.98	5.45	5.32

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

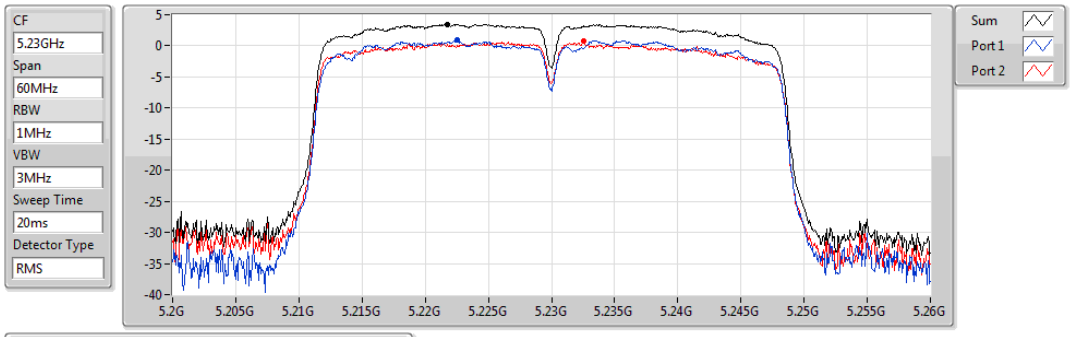
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.32	0.32	-1.96	-2.00

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

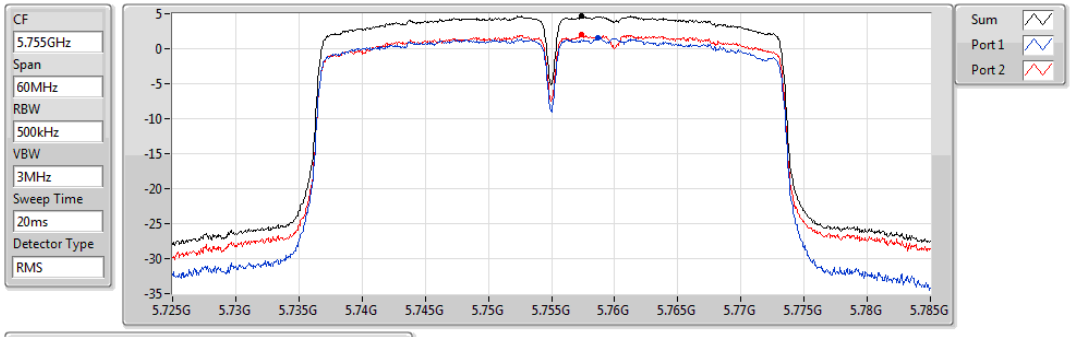
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.50	3.50	1.01	0.70

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

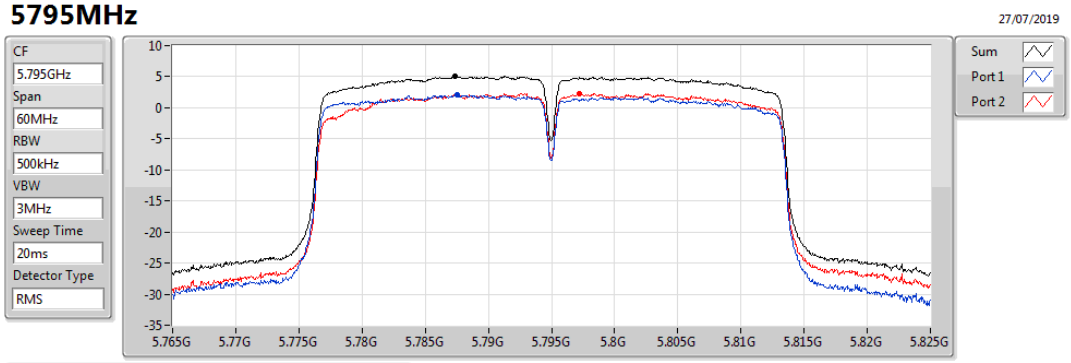
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.67	4.67	1.50	1.99

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

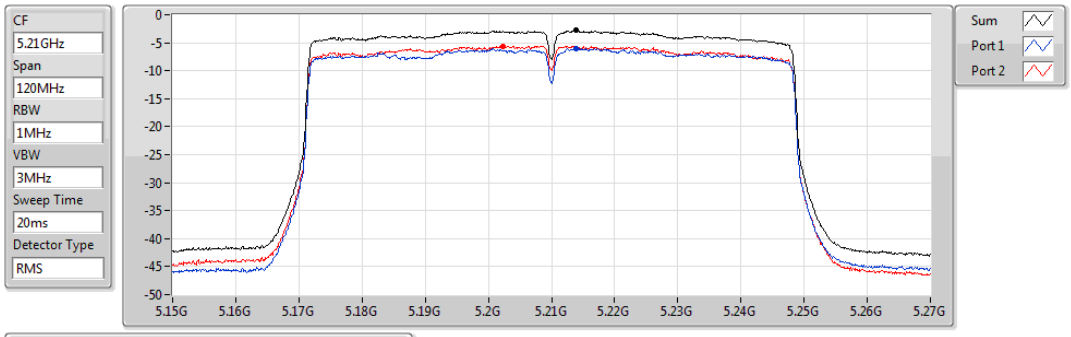
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.12	5.12	2.08	2.33

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

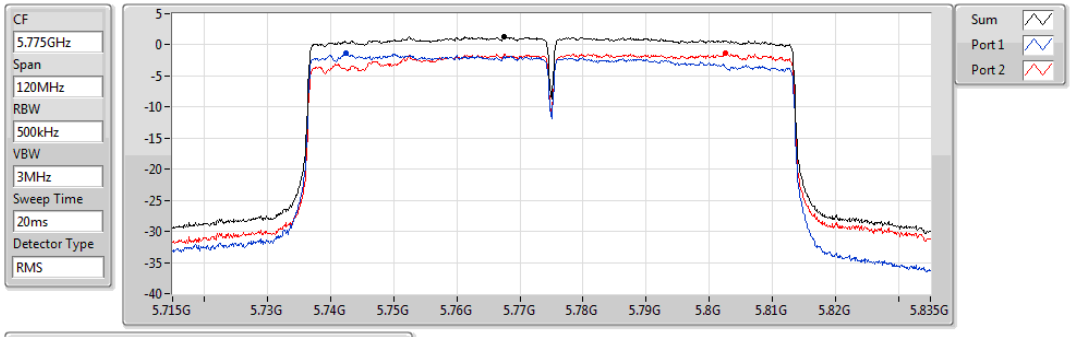
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.83	-2.83	-6.06	-5.60

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

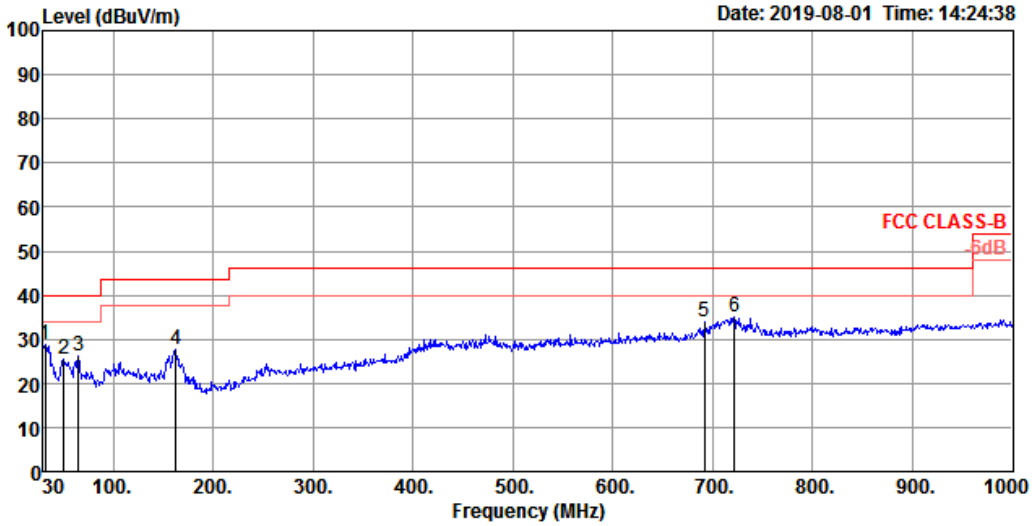
5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.28	1.28	-1.36	-1.38

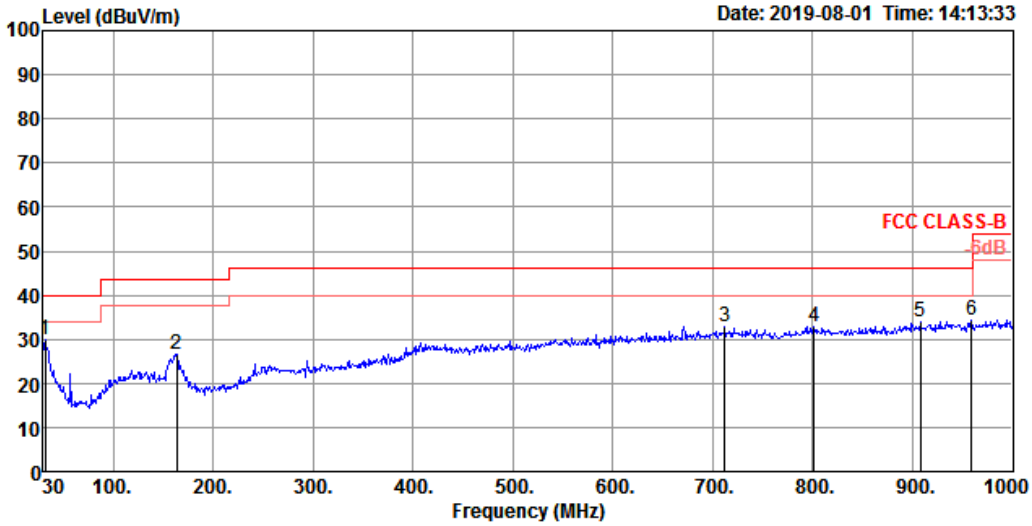
Test Mode	Mode 1	Frequency Range	30 MHz to 1,000 MHz

Vertical 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	31.94	28.64	40.00	-11.36	37.39	0.52	22.93	32.20	100	201	Peak	VERTICAL
2	50.37	25.49	40.00	-14.51	43.44	0.73	13.50	32.18	125	351	Peak	VERTICAL
3	64.92	26.16	40.00	-13.84	45.45	0.83	12.03	32.15	100	178	Peak	VERTICAL
4	162.89	27.65	43.50	-15.85	42.49	1.31	15.95	32.10	100	46	Peak	VERTICAL
5	691.54	33.82	46.00	-12.18	37.73	2.83	25.18	31.92	100	166	Peak	VERTICAL
6	721.61	34.88	46.00	-11.12	38.52	2.88	25.46	31.98	100	107	Peak	VERTICAL

Horizontal 30 MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	31.94	30.05	40.00	-9.95	38.80	0.52	22.93	32.20	200	317	Peak	HORIZONTAL
2	163.86	26.49	43.50	-17.01	41.36	1.31	15.91	32.09	150	168	Peak	HORIZONTAL
3	711.91	32.73	46.00	-13.27	36.49	2.87	25.31	31.94	200	360	Peak	HORIZONTAL
4	801.15	33.00	46.00	-13.00	35.34	3.08	26.23	31.65	100	4	Peak	HORIZONTAL
5	907.85	34.01	46.00	-11.99	35.34	3.12	26.71	31.16	200	85	Peak	HORIZONTAL
6	959.26	34.23	46.00	-11.77	34.92	3.28	26.70	30.67	200	5	Peak	HORIZONTAL

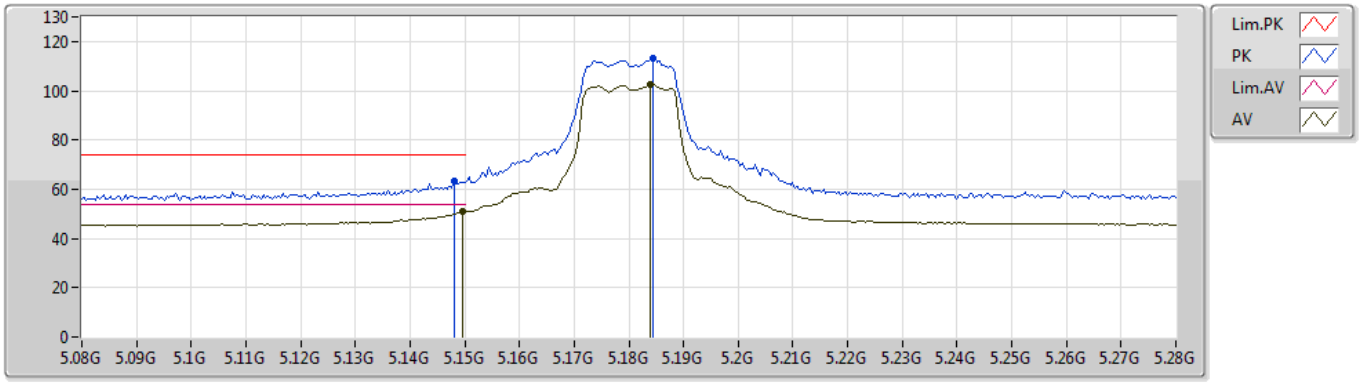
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	17.4681G	68.18	68.20	-0.02	22.09	3	Horizontal	209	1.87	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

06/08/2019



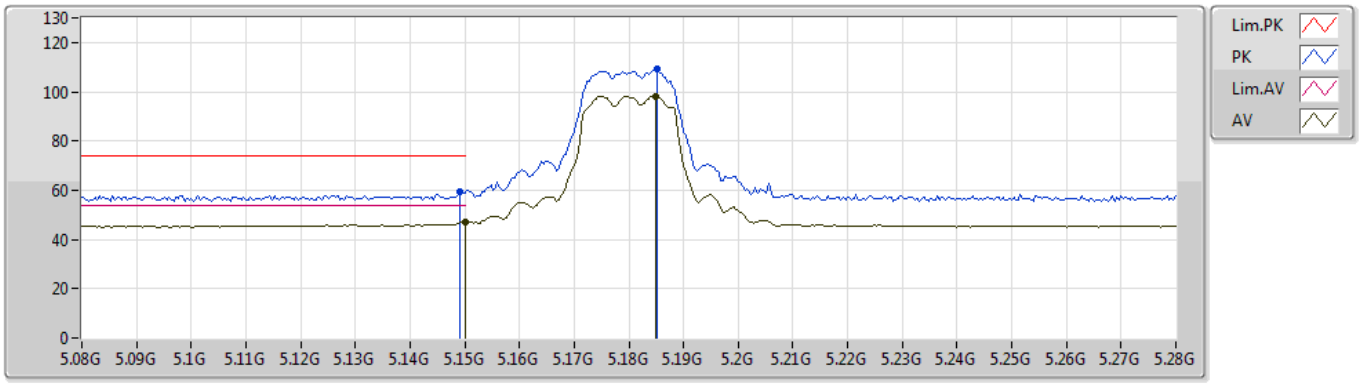
EUT Y_2TX
Setting 17
02-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.148G	63.20	74.00	-10.80	7.94	3	Vertical	88	2.00	-	55.26
AV	5.1496G	51.04	54.00	-2.96	7.94	3	Vertical	88	2.00	-	43.10
PK	5.1844G	113.01	Inf	-Inf	8.03	3	Vertical	88	2.00	-	104.98
AV	5.184G	102.59	Inf	-Inf	8.03	3	Vertical	88	2.00	-	94.56

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

06/08/2019



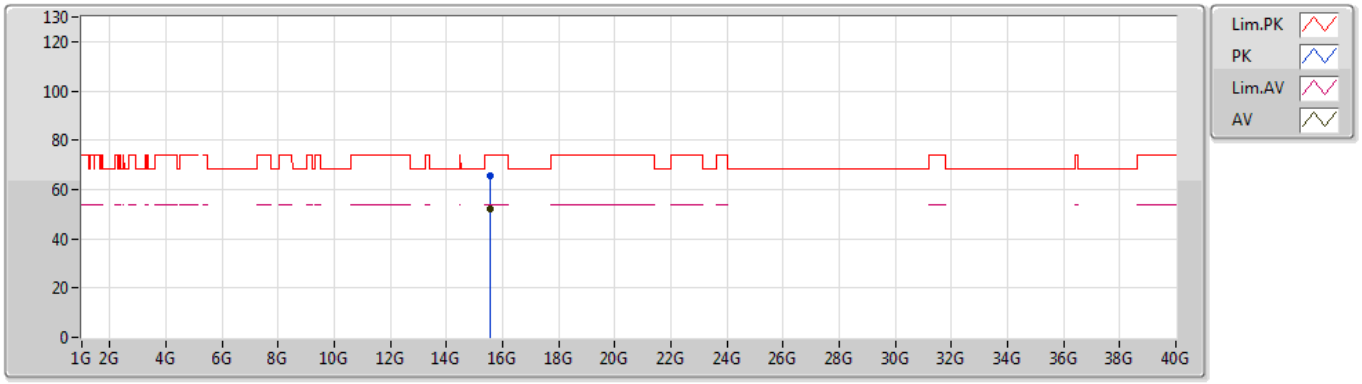
EUT Y_2TX
Setting 17
02-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1492G	59.31	74.00	-14.69	7.94	3	Horizontal	7	1.90	-	51.37
AV	5.15G	47.29	54.00	-6.71	7.94	3	Horizontal	7	1.90	-	39.35
PK	5.1852G	109.15	Inf	-Inf	8.03	3	Horizontal	7	1.90	-	101.12
AV	5.1848G	98.19	Inf	-Inf	8.03	3	Horizontal	7	1.90	-	90.16

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

06/08/2019



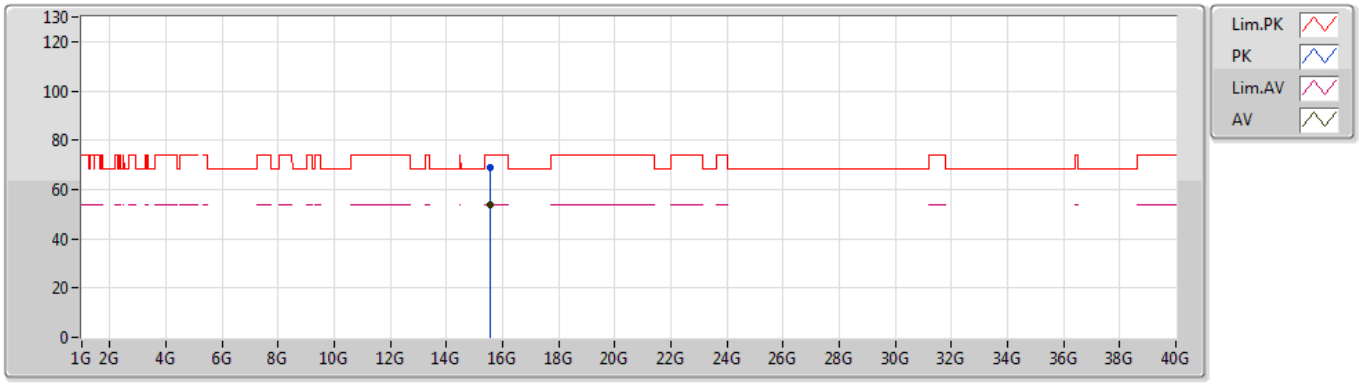
EUT Y_2TX
Setting 17
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.53334G	65.84	74.00	-8.16	16.09	3	Vertical	341	1.98	-	49.75
AV	15.53802G	51.90	54.00	-2.10	16.08	3	Vertical	341	1.98	-	35.82

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

06/08/2019



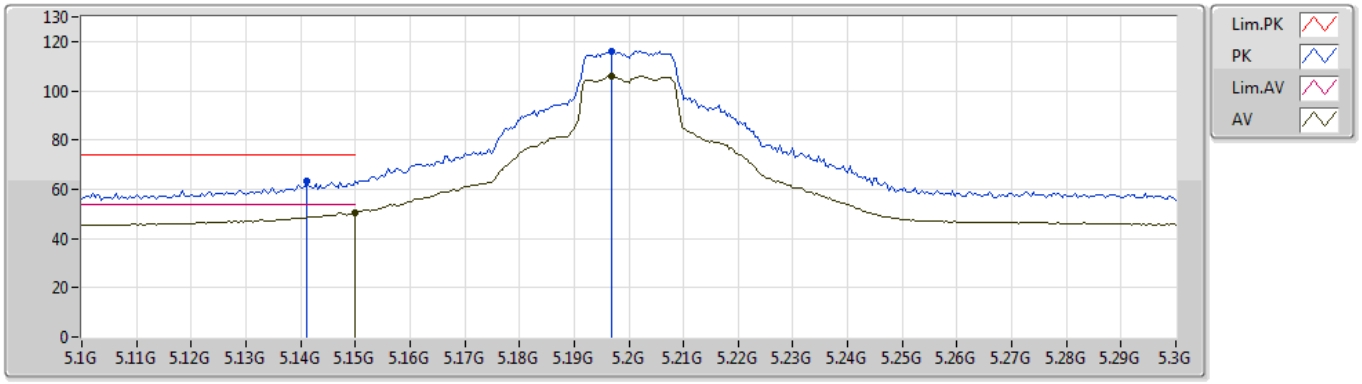
EUT Y_2TX
Setting 17
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.53604G	69.08	74.00	-4.92	16.09	3	Horizontal	70	1.32	-	52.99
AV	15.53574G	53.66	54.00	-0.34	16.09	3	Horizontal	70	1.32	-	37.57

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

06/08/2019



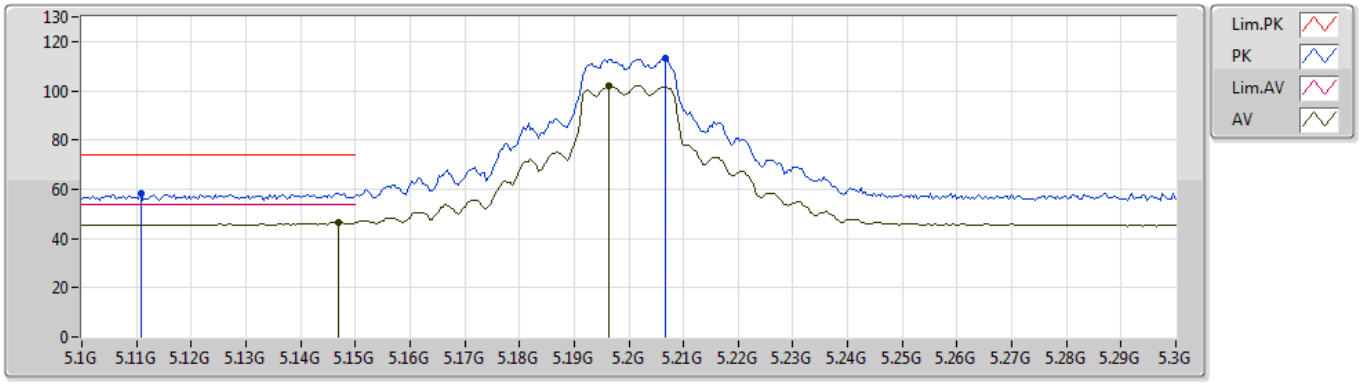
EUT Y_2TX
Setting 20
02-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1412G	63.54	74.00	-10.46	7.94	3	Vertical	112	2.00	-	55.60
AV	5.15G	50.45	54.00	-3.55	7.94	3	Vertical	112	2.00	-	42.51
PK	5.1968G	115.95	Inf	-Inf	8.06	3	Vertical	112	2.00	-	107.89
AV	5.1968G	106.13	Inf	-Inf	8.06	3	Vertical	112	2.00	-	98.07

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

06/08/2019



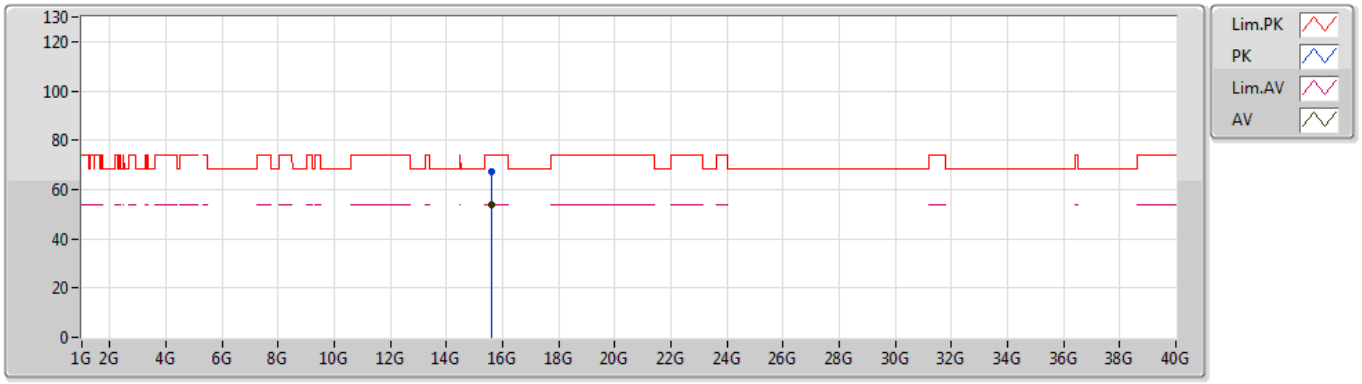
EUT Y_2TX
Setting 20
02-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1108G	58.30	74.00	-15.70	7.86	3	Horizontal	1	1.78	-	50.44
AV	5.1468G	46.42	54.00	-7.58	7.94	3	Horizontal	1	1.78	-	38.48
PK	5.2068G	113.08	Inf	-Inf	8.07	3	Horizontal	1	1.78	-	105.01
AV	5.1964G	102.04	Inf	-Inf	8.06	3	Horizontal	1	1.78	-	93.98

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

06/08/2019



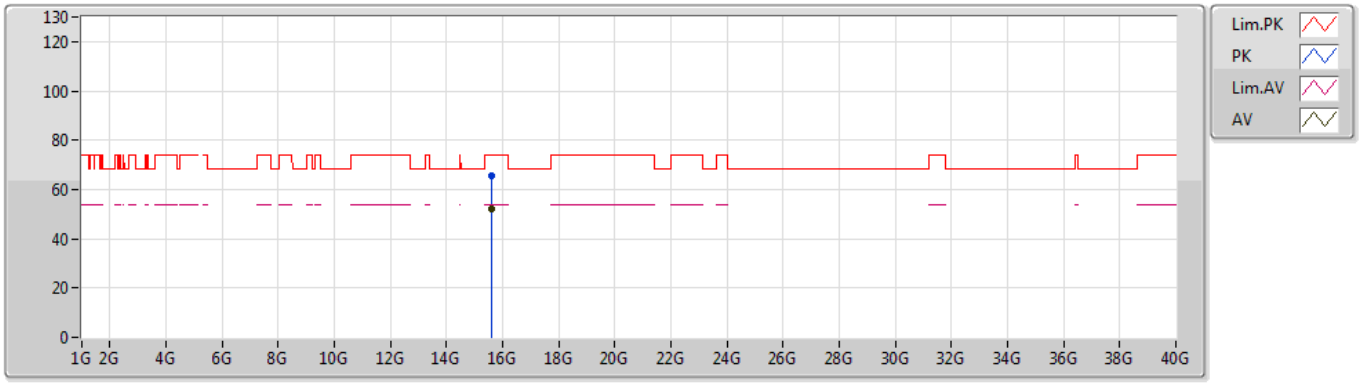
EUT Y_2TX
Setting 20
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.6003G	67.19	74.00	-6.81	15.91	3	Vertical	347	1.95	-	51.28
AV	15.60018G	53.52	54.00	-0.48	15.91	3	Vertical	347	1.95	-	37.61

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

06/08/2019



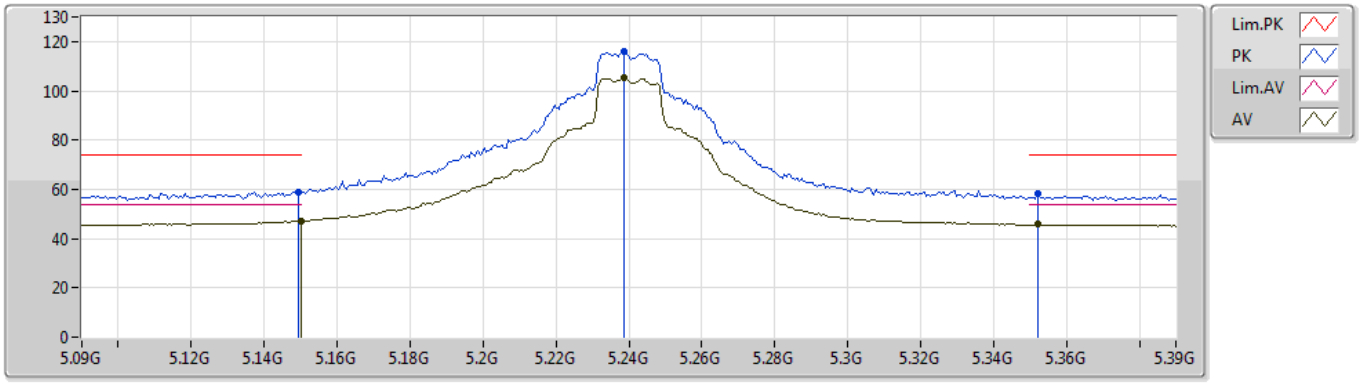
EUT Y_2TX
Setting 20
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.58872G	65.59	74.00	-8.41	15.93	3	Horizontal	62	1.32	-	49.66
AV	15.59382G	51.89	54.00	-2.11	15.93	3	Horizontal	62	1.32	-	35.96

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

06/08/2019



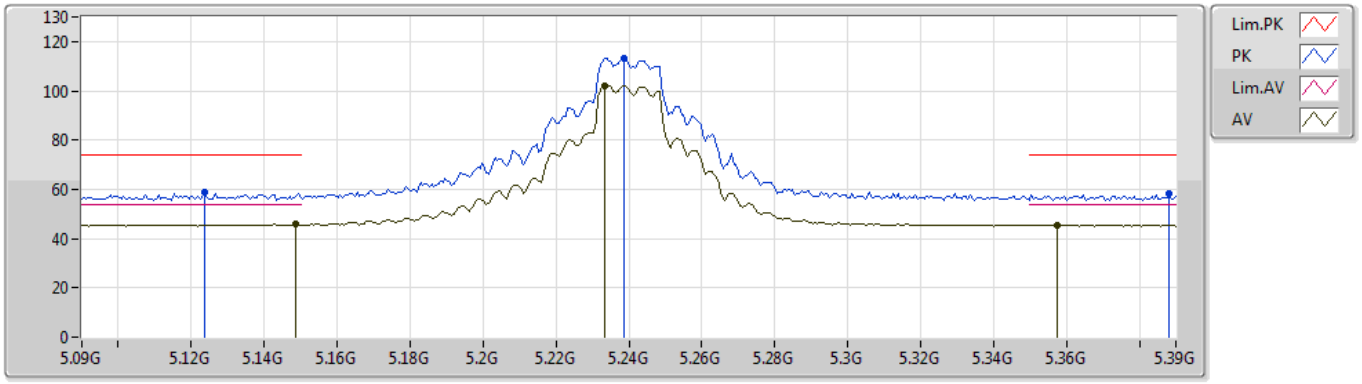
EUT Y_2TX
Setting 21
02-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1494G	59.08	74.00	-14.92	7.94	3	Vertical	121	2.09	-	51.14
AV	5.15G	47.00	54.00	-7.00	7.94	3	Vertical	121	2.09	-	39.06
PK	5.2388G	116.04	Inf	-Inf	8.12	3	Vertical	121	2.09	-	107.92
AV	5.2388G	105.13	Inf	-Inf	8.12	3	Vertical	121	2.09	-	97.01
PK	5.3522G	58.03	74.00	-15.97	8.28	3	Vertical	121	2.09	-	49.75
AV	5.3522G	45.68	54.00	-8.32	8.28	3	Vertical	121	2.09	-	37.40

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

06/08/2019



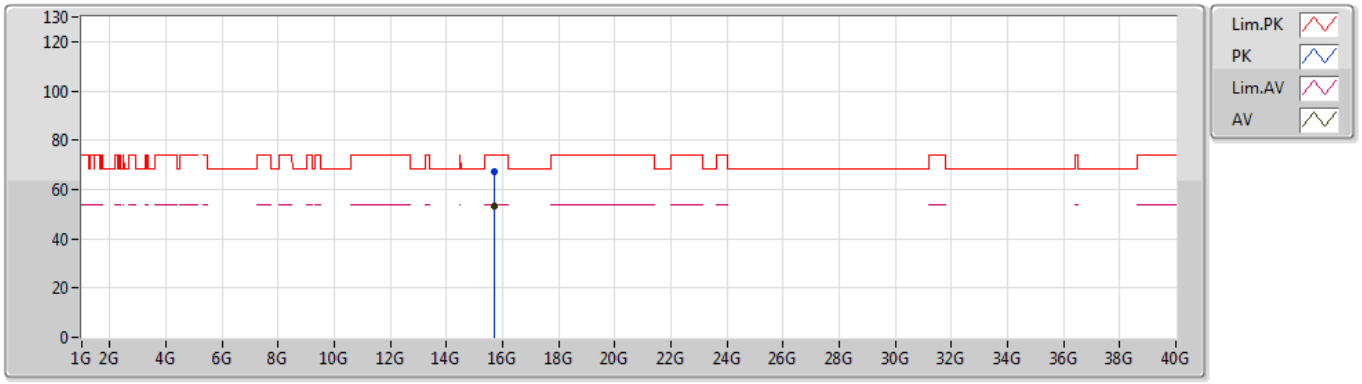
EUT Y_2TX
Setting 21
02-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1236G	58.80	74.00	-15.20	7.89	3	Horizontal	5	1.97	-	50.91
AV	5.1488G	45.87	54.00	-8.13	7.94	3	Horizontal	5	1.97	-	37.93
PK	5.2388G	113.41	Inf	-Inf	8.12	3	Horizontal	5	1.97	-	105.29
AV	5.2334G	102.21	Inf	-Inf	8.11	3	Horizontal	5	1.97	-	94.10
PK	5.3882G	58.47	74.00	-15.53	8.33	3	Horizontal	5	1.97	-	50.14
AV	5.3576G	45.45	54.00	-8.55	8.28	3	Horizontal	5	1.97	-	37.17

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

06/08/2019



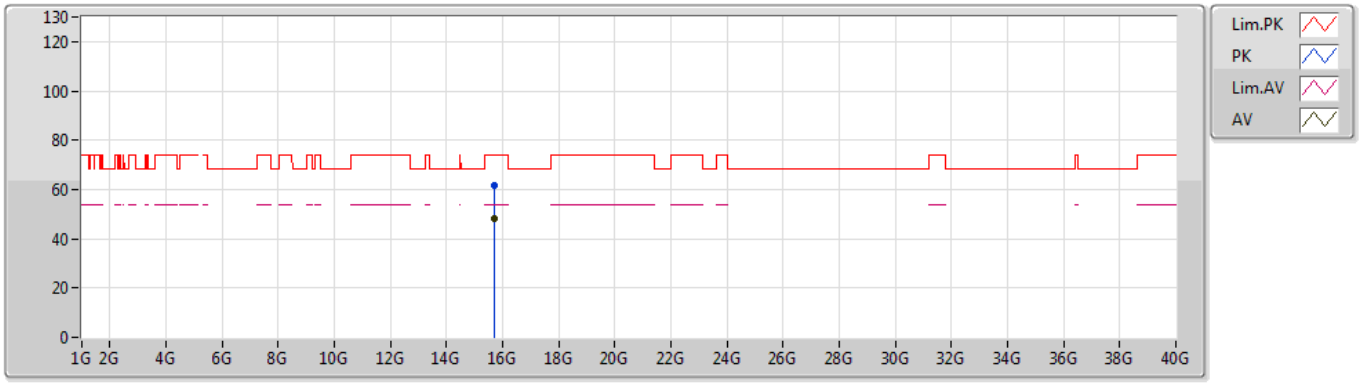
EUT Y_2TX
Setting 21
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.7179G	67.42	74.00	-6.58	15.61	3	Vertical	327	1.97	-	51.81
AV	15.7236G	53.25	54.00	-0.75	15.59	3	Vertical	327	1.97	-	37.66

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

06/08/2019



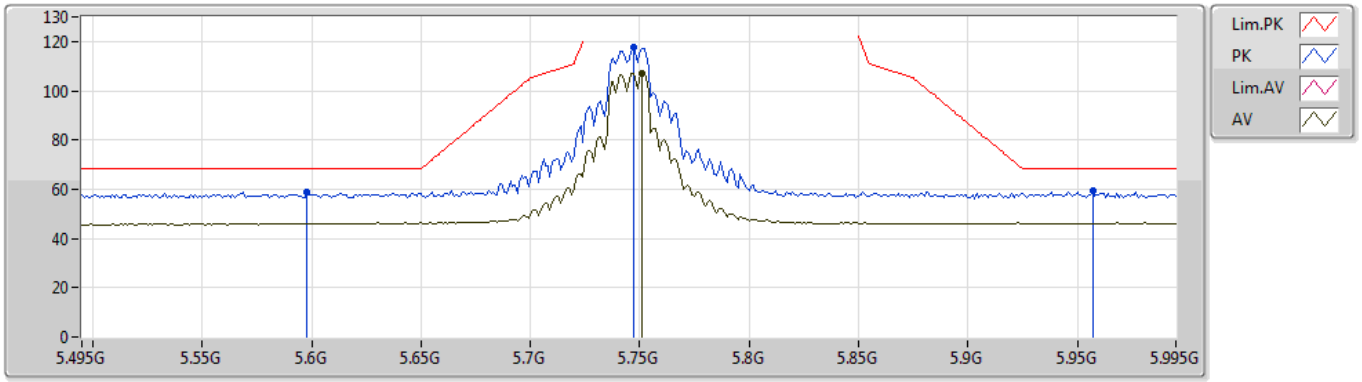
EUT Y_2TX
Setting 21
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.72186G	61.78	74.00	-12.22	15.60	3	Horizontal	355	1.51	-	46.18
AV	15.7221G	48.10	54.00	-5.90	15.60	3	Horizontal	355	1.51	-	32.50

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

06/08/2019



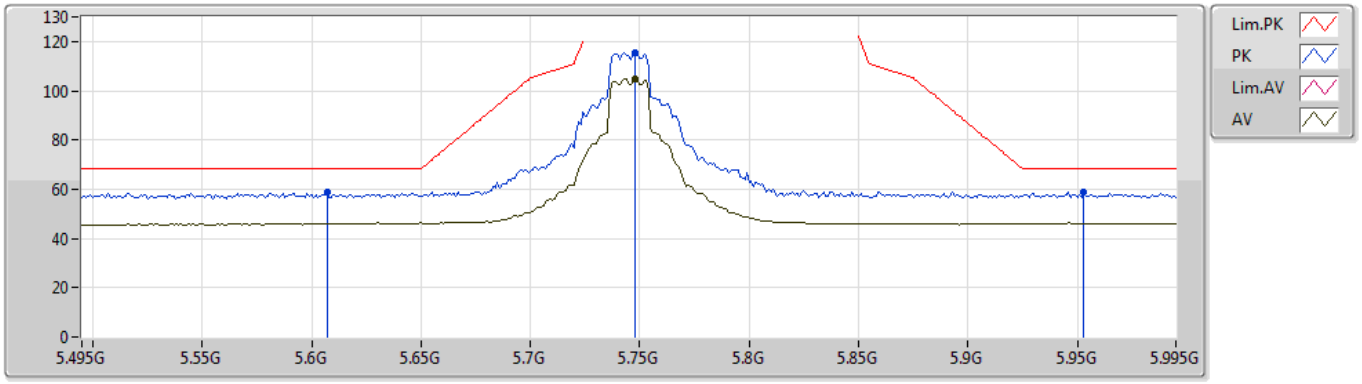
EUT Y_2TX
Setting 21.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.598G	58.80	68.20	-9.40	8.58	3	Vertical	292	1.24	-	50.22
PK	5.747G	117.79	Inf	-Inf	8.82	3	Vertical	292	1.24	-	108.97
AV	5.751G	107.13	Inf	-Inf	8.83	3	Vertical	292	1.24	-	98.30
PK	5.957G	59.65	68.20	-8.55	8.92	3	Vertical	292	1.24	-	50.73

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

06/08/2019



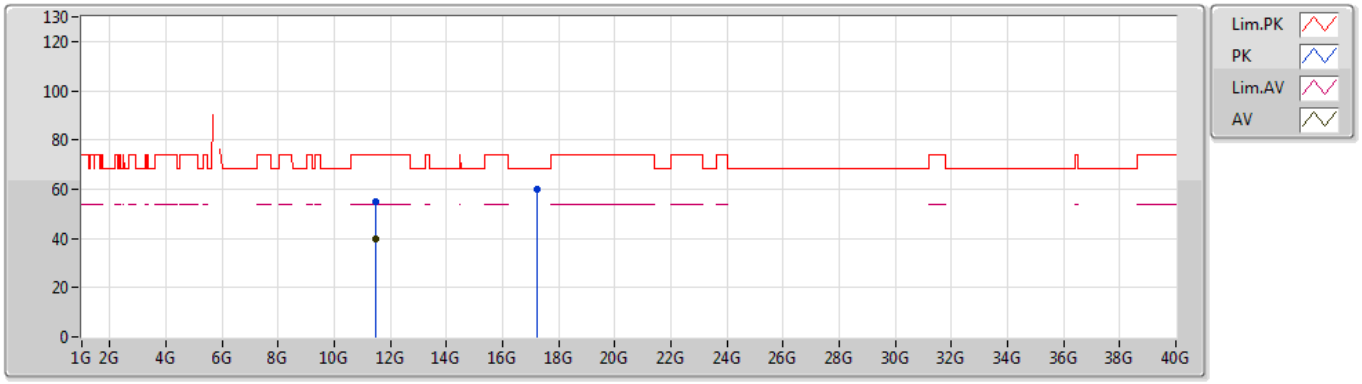
EUT Y_2TX
Setting 21.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.607G	59.03	68.20	-9.17	8.59	3	Horizontal	335	1.04	-	50.44
PK	5.748G	115.46	Inf	-Inf	8.82	3	Horizontal	335	1.04	-	106.64
AV	5.748G	104.97	Inf	-Inf	8.82	3	Horizontal	335	1.04	-	96.15
PK	5.953G	58.80	68.20	-9.40	8.92	3	Horizontal	335	1.04	-	49.88

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

06/08/2019



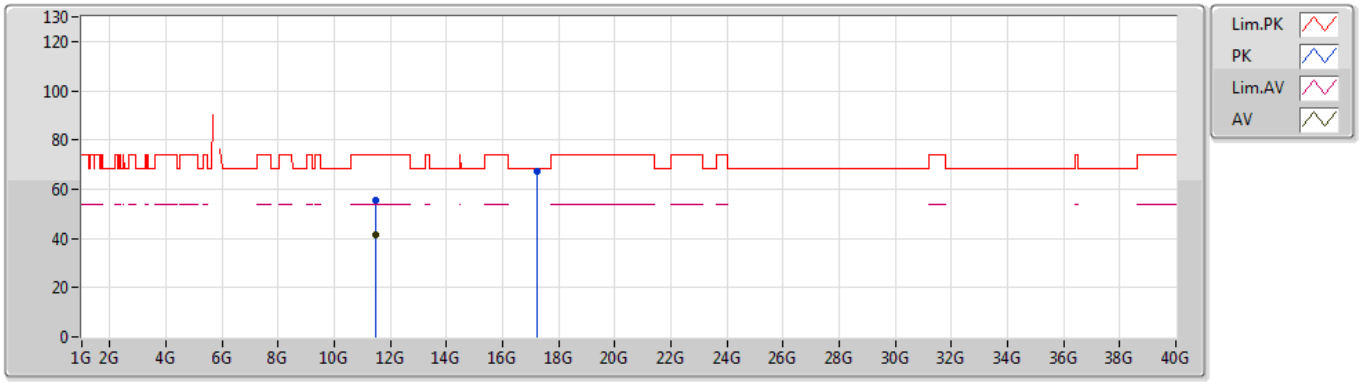
EUT Y_2TX
Setting 21.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.48949G	54.70	74.00	-19.30	14.89	3	Vertical	83	1.71	-	39.81
AV	11.48931G	40.06	54.00	-13.94	14.89	3	Vertical	83	1.71	-	25.17
PK	17.21916G	60.08	68.20	-8.12	20.62	3	Vertical	338	2.39	-	39.46

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

06/08/2019



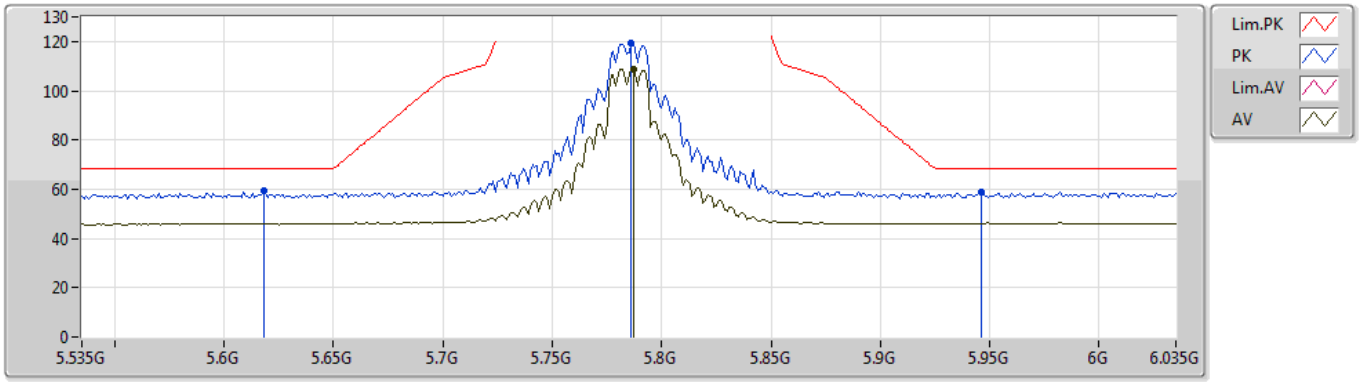
EUT Y_2TX
Setting 21.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.48644G	55.52	74.00	-18.48	14.89	3	Horizontal	309	2.52	-	40.63
AV	11.4878G	41.69	54.00	-12.31	14.89	3	Horizontal	309	2.52	-	26.80
PK	17.22668G	67.46	68.20	-0.74	20.66	3	Horizontal	286	1.83	-	46.80

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

06/08/2019



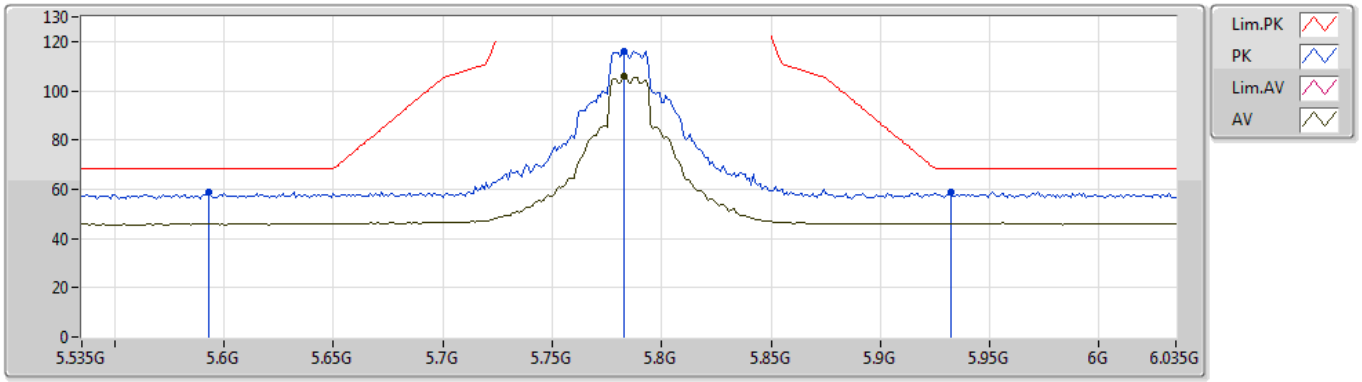
EUT Y_2TX
Setting 22.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.618G	59.17	68.20	-9.03	8.61	3	Vertical	280	1.01	-	50.56
PK	5.786G	119.43	Inf	-Inf	8.88	3	Vertical	280	1.01	-	110.55
AV	5.787G	108.90	Inf	-Inf	8.88	3	Vertical	280	1.01	-	100.02
PK	5.946G	58.61	68.20	-9.59	8.94	3	Vertical	280	1.01	-	49.67

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

06/08/2019



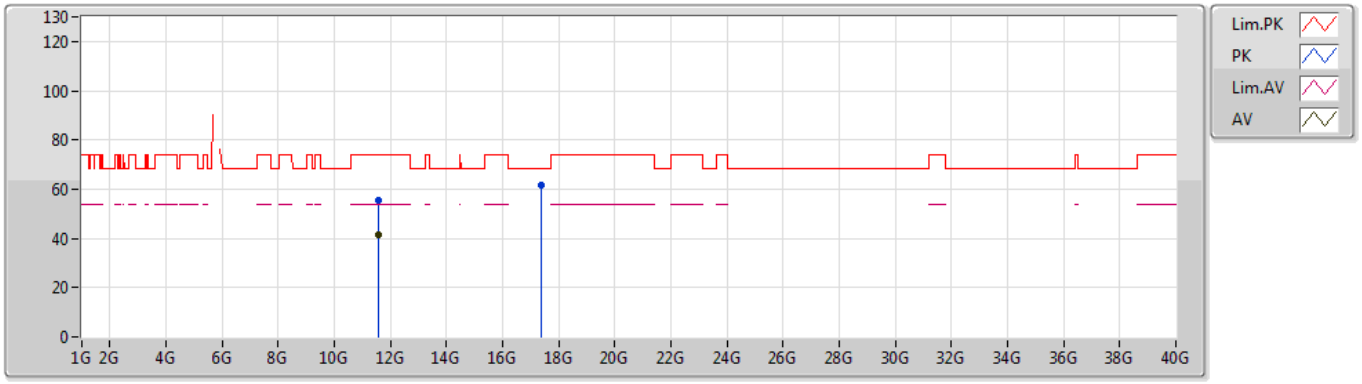
EUT Y_2TX
Setting 22.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.593G	59.09	68.20	-9.11	8.58	3	Horizontal	326	1.03	-	50.51
PK	5.783G	116.19	Inf	-Inf	8.88	3	Horizontal	326	1.03	-	107.31
AV	5.783G	106.00	Inf	-Inf	8.88	3	Horizontal	326	1.03	-	97.12
PK	5.932G	58.71	68.20	-9.49	8.93	3	Horizontal	326	1.03	-	49.78

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

06/08/2019



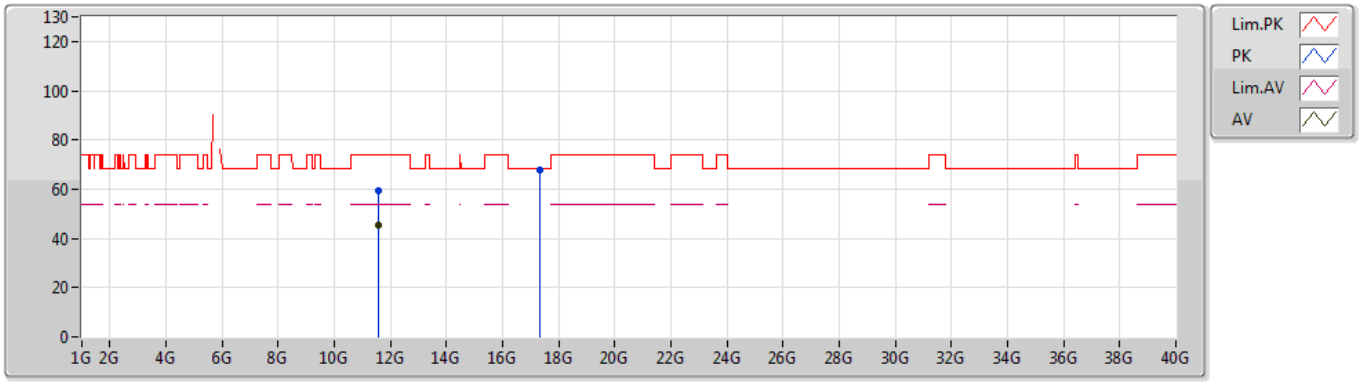
EUT Y_2TX
Setting 22.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.578G	55.21	74.00	-18.79	15.01	3	Vertical	53	2.25	-	40.20
AV	11.5782G	41.53	54.00	-12.47	15.01	3	Vertical	53	2.25	-	26.52
PK	17.3588G	61.75	68.20	-6.45	21.44	3	Vertical	358	2.28	-	40.31

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

06/08/2019



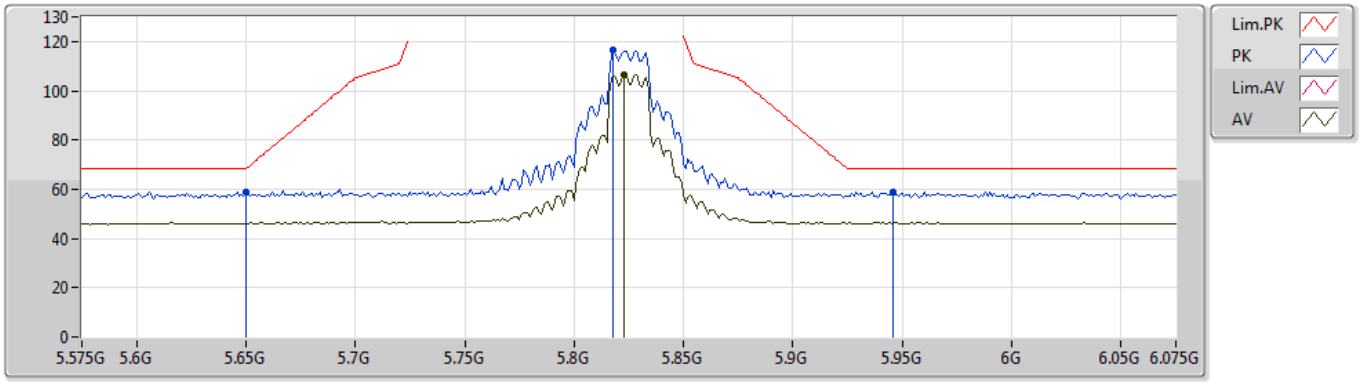
EUT Y_2TX
Setting 22.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5775G	59.45	74.00	-14.55	15.01	3	Horizontal	315	2.14	-	44.44
AV	11.5722G	45.54	54.00	-8.46	15.00	3	Horizontal	315	2.14	-	30.54
PK	17.35164G	67.92	68.20	-0.28	21.40	3	Horizontal	295	1.89	-	46.52

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

06/08/2019



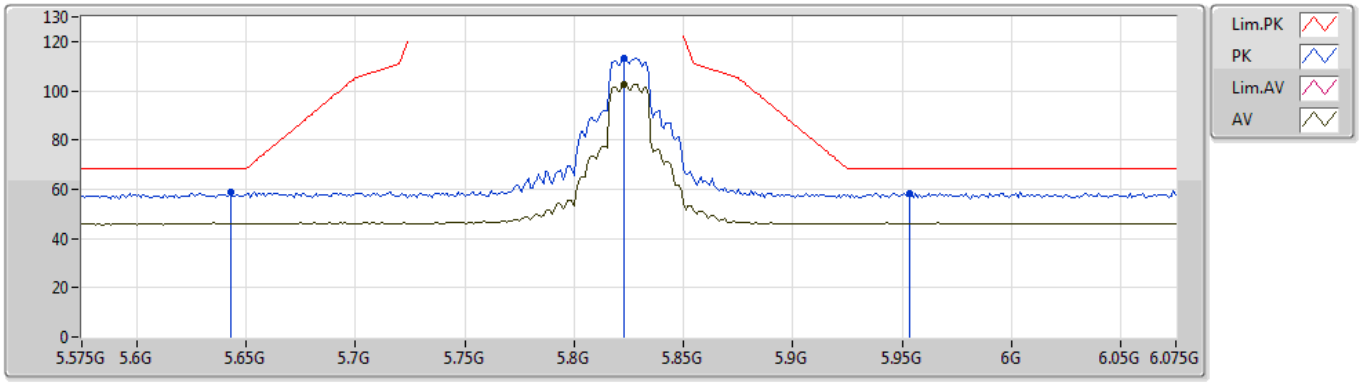
EUT Y_2TX
Setting 21
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.65G	58.73	68.20	-9.47	8.66	3	Vertical	261	2.74	-	50.07
PK	5.818G	116.42	Inf	-Inf	8.90	3	Vertical	261	2.74	-	107.52
AV	5.823G	106.64	Inf	-Inf	8.90	3	Vertical	261	2.74	-	97.74
PK	5.946G	58.81	68.20	-9.39	8.94	3	Vertical	261	2.74	-	49.87

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

06/08/2019



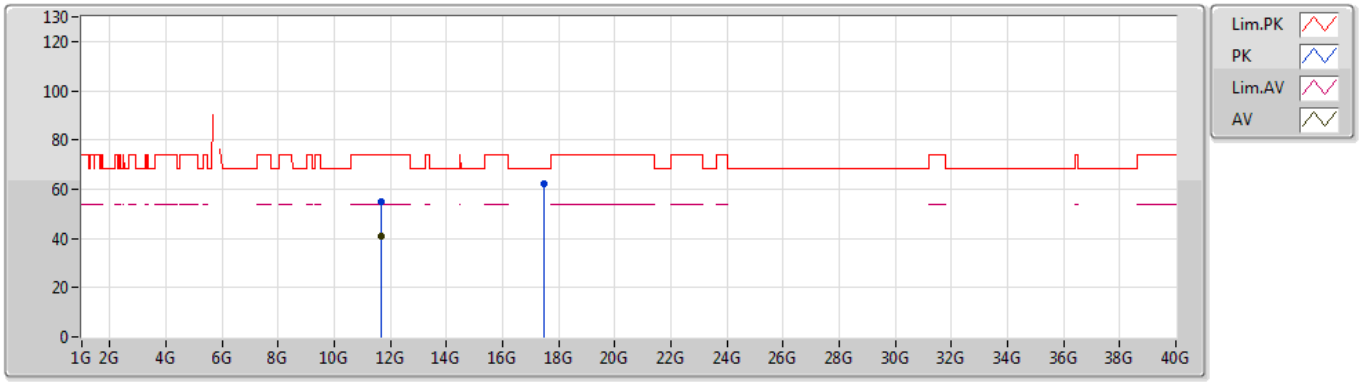
EUT Y_2TX
Setting 21
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.643G	58.63	68.20	-9.57	8.66	3	Horizontal	342	1.13	-	49.97
PK	5.823G	113.25	Inf	-Inf	8.90	3	Horizontal	342	1.13	-	104.35
AV	5.823G	102.73	Inf	-Inf	8.90	3	Horizontal	342	1.13	-	93.83
PK	5.953G	58.50	68.20	-9.70	8.92	3	Horizontal	342	1.13	-	49.58

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

06/08/2019



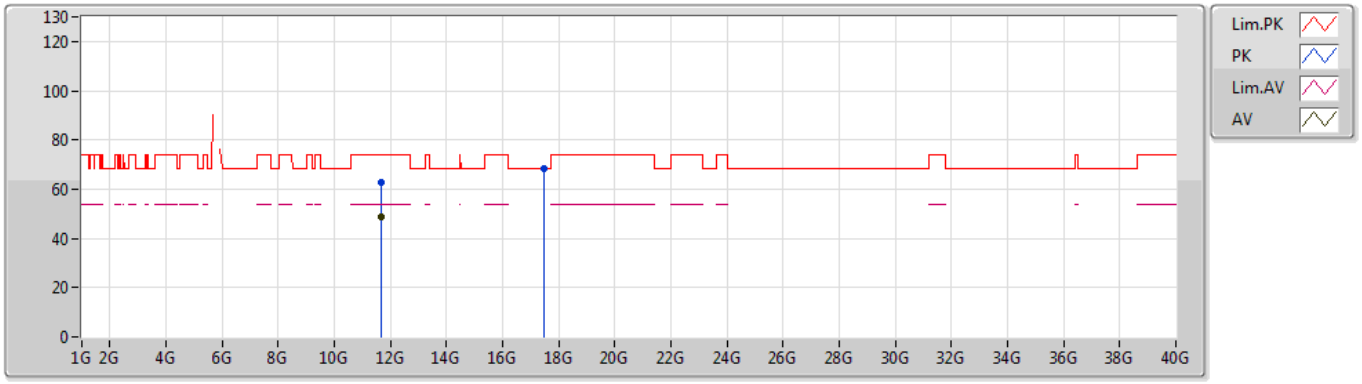
EUT Y_2TX
Setting 21
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.65072G	54.87	74.00	-19.13	15.09	3	Vertical	232	2.16	-	39.78
AV	11.65188G	40.68	54.00	-13.32	15.10	3	Vertical	232	2.16	-	25.58
PK	17.47311G	62.28	68.20	-5.92	22.12	3	Vertical	213	2.48	-	40.16

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

06/08/2019



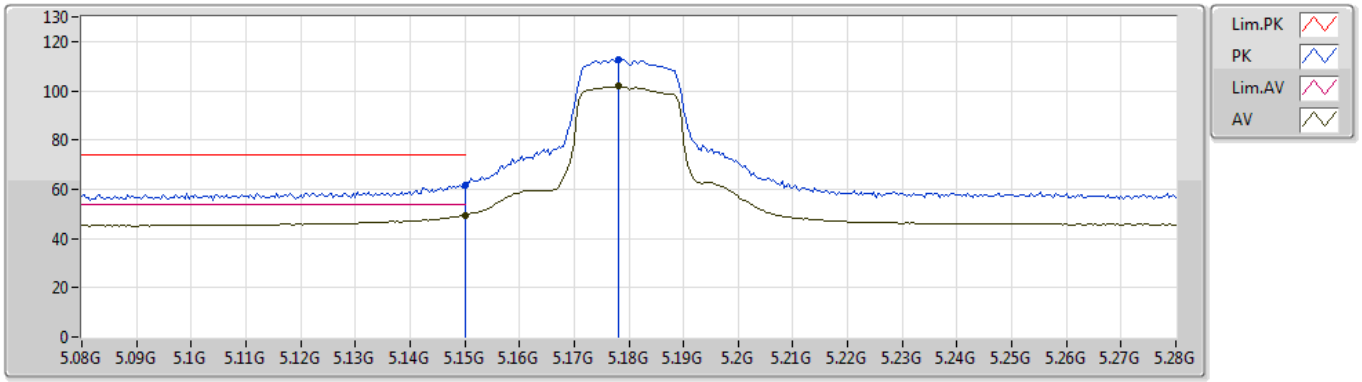
EUT Y_2TX
Setting 21
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.6519G	62.83	74.00	-11.17	15.10	3	Horizontal	317	2.18	-	47.73
AV	11.6525G	48.71	54.00	-5.29	15.10	3	Horizontal	317	2.18	-	33.61
PK	17.4681G	68.18	68.20	-0.02	22.09	3	Horizontal	209	1.87	-	46.09

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

06/08/2019



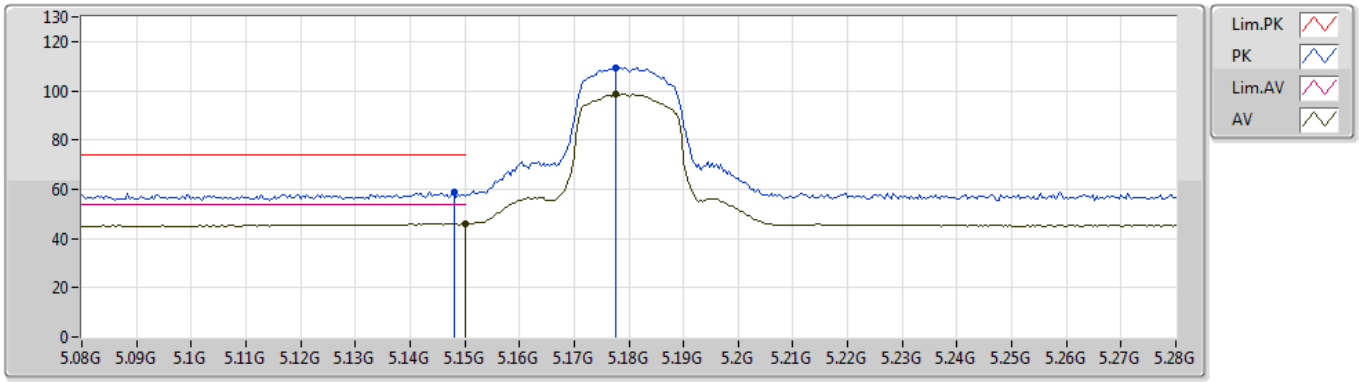
EUT Y_2TX
Setting 17
02-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.15G	61.66	74.00	-12.34	7.94	3	Vertical	89	1.81	-	53.72
AV	5.15G	49.57	54.00	-4.43	7.94	3	Vertical	89	1.81	-	41.63
PK	5.178G	112.75	Inf	-Inf	8.02	3	Vertical	89	1.81	-	104.73
AV	5.178G	101.78	Inf	-Inf	8.02	3	Vertical	89	1.81	-	93.76

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

06/08/2019



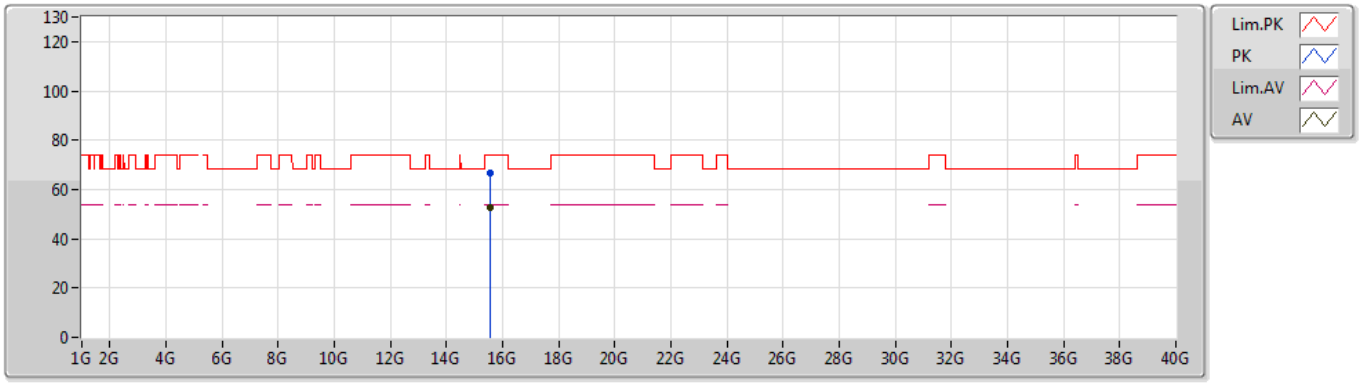
EUT Y_2TX
Setting 17
02-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.148G	58.66	74.00	-15.34	7.94	3	Horizontal	10	1.88	-	50.72
AV	5.15G	45.93	54.00	-8.07	7.94	3	Horizontal	10	1.88	-	37.99
PK	5.1776G	109.45	Inf	-Inf	8.02	3	Horizontal	10	1.88	-	101.43
AV	5.1776G	98.59	Inf	-Inf	8.02	3	Horizontal	10	1.88	-	90.57

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

06/08/2019



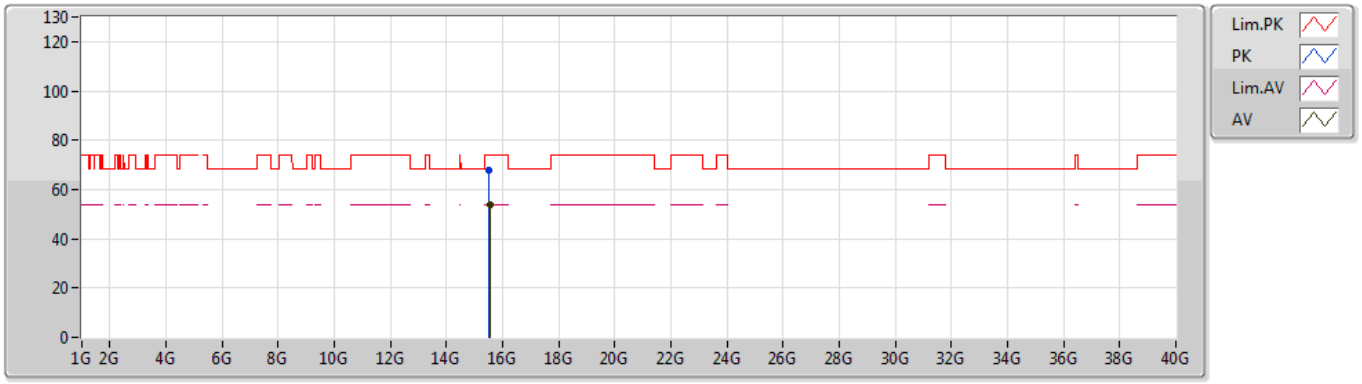
EUT Y_2TX
Setting 17
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.53628G	66.77	74.00	-7.23	16.08	3	Vertical	172	1.77	-	50.69
AV	15.53616G	52.54	54.00	-1.46	16.09	3	Vertical	172	1.77	-	36.45

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

06/08/2019



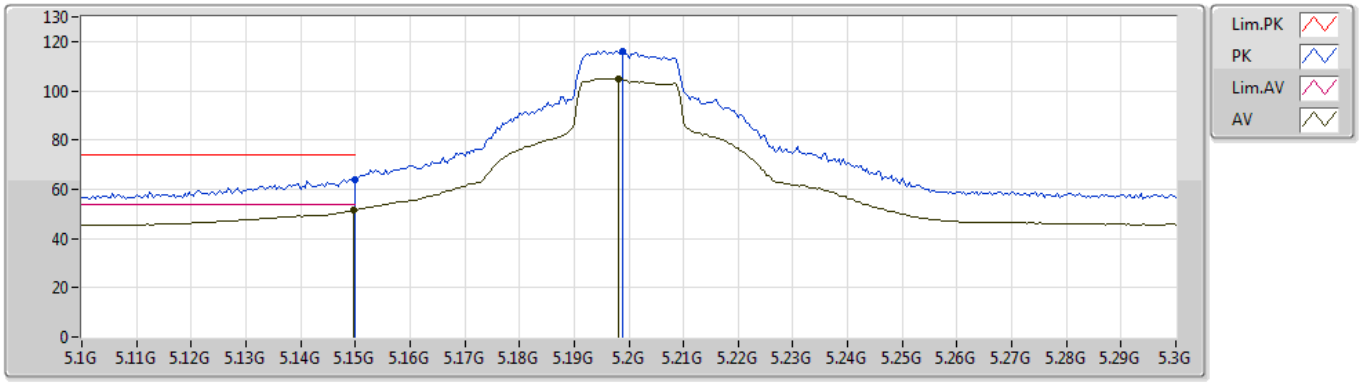
EUT Y_2TX
Setting 17
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.53232G	67.60	74.00	-6.40	16.10	3	Horizontal	221	2.28	-	51.50
AV	15.53784G	53.66	54.00	-0.34	16.08	3	Horizontal	221	2.28	-	37.58

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

06/08/2019



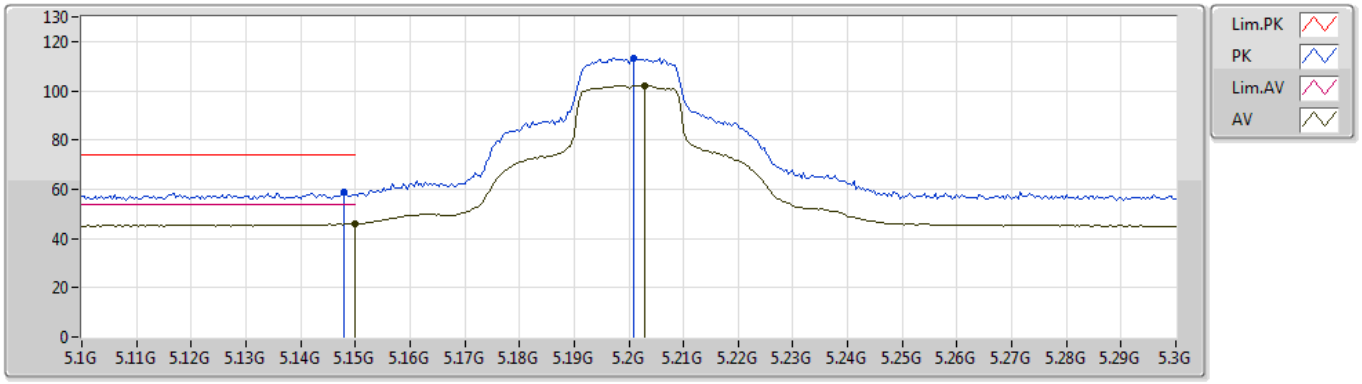
EUT Y_2TX
Setting 21
02-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.15G	63.93	74.00	-10.07	7.94	3	Vertical	76	1.97	-	55.99
AV	5.1496G	51.28	54.00	-2.72	7.94	3	Vertical	76	1.97	-	43.34
PK	5.1988G	116.08	Inf	-Inf	8.06	3	Vertical	76	1.97	-	108.02
AV	5.198G	104.95	Inf	-Inf	8.06	3	Vertical	76	1.97	-	96.89

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

06/08/2019



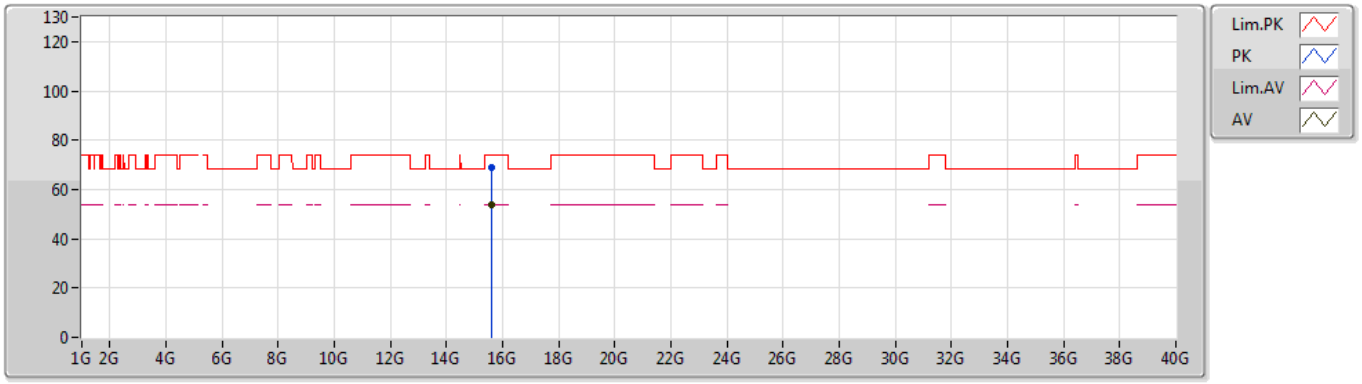
EUT Y_2TX
Setting 21
02-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.148G	58.65	74.00	-15.35	7.94	3	Horizontal	356	2.69	-	50.71
AV	5.15G	45.88	54.00	-8.12	7.94	3	Horizontal	356	2.69	-	37.94
PK	5.2008G	113.19	Inf	-Inf	8.06	3	Horizontal	356	2.69	-	105.13
AV	5.2028G	102.11	Inf	-Inf	8.06	3	Horizontal	356	2.69	-	94.05

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

06/08/2019



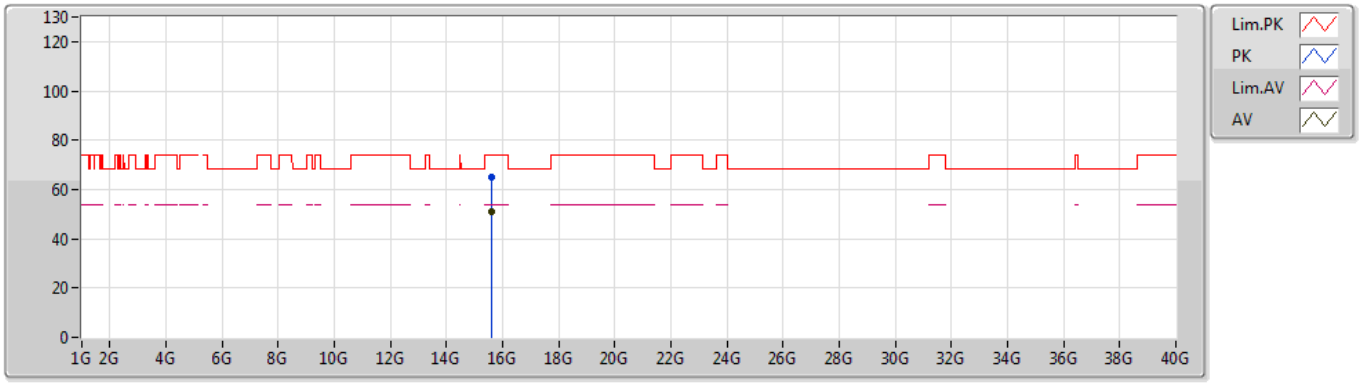
EUT Y_2TX
Setting 21
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.60312G	69.02	74.00	-4.98	15.90	3	Vertical	337	1.96	-	53.12
AV	15.60282G	53.90	54.00	-0.10	15.90	3	Vertical	337	1.96	-	38.00

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

06/08/2019



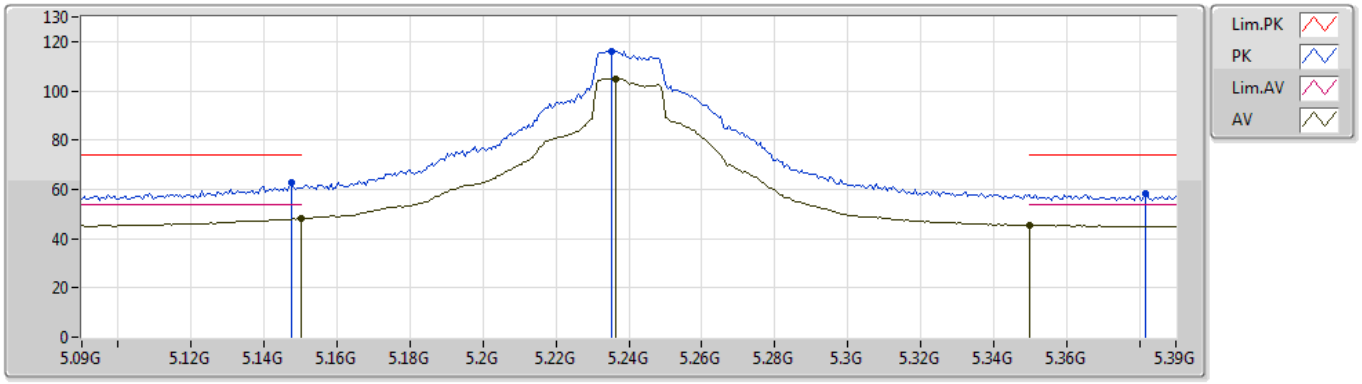
EUT Y_2TX
Setting 21
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.59556G	65.19	74.00	-8.81	15.92	3	Horizontal	65	2.55	-	49.27
AV	15.59712G	50.96	54.00	-3.04	15.92	3	Horizontal	65	2.55	-	35.04

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

06/08/2019



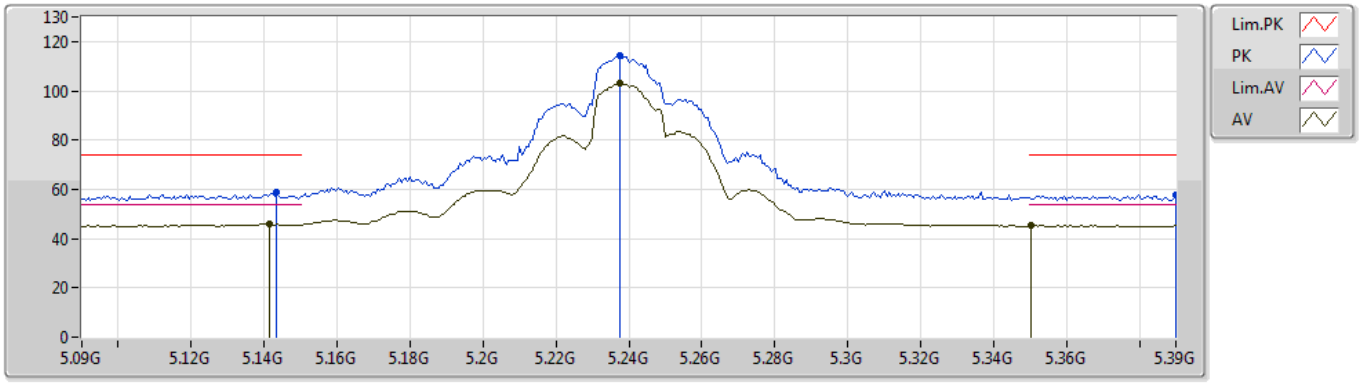
EUT Y_2TX
Setting 23
02-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1476G	62.48	74.00	-11.52	7.94	3	Vertical	74	2.37	-	54.54
AV	5.15G	48.27	54.00	-5.73	7.94	3	Vertical	74	2.37	-	40.33
PK	5.2352G	116.10	Inf	-Inf	8.11	3	Vertical	74	2.37	-	107.99
AV	5.2364G	104.89	Inf	-Inf	8.11	3	Vertical	74	2.37	-	96.78
PK	5.3816G	58.21	74.00	-15.79	8.32	3	Vertical	74	2.37	-	49.89
AV	5.35G	45.46	54.00	-8.54	8.28	3	Vertical	74	2.37	-	37.18

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

06/08/2019



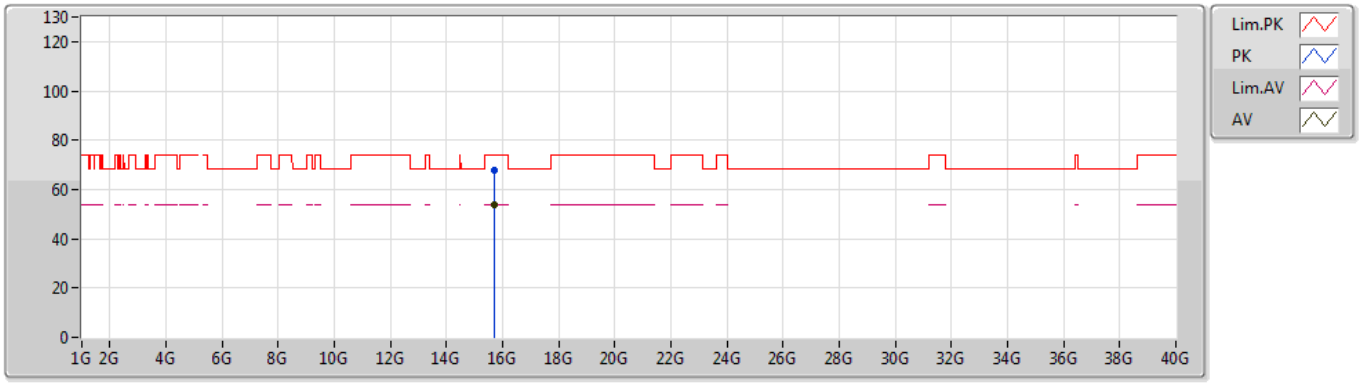
EUT Y_2TX
Setting 23
02-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1434G	58.61	74.00	-15.39	7.94	3	Horizontal	307	2.58	-	50.67
AV	5.1416G	45.85	54.00	-8.15	7.94	3	Horizontal	307	2.58	-	37.91
PK	5.2376G	114.51	Inf	-Inf	8.12	3	Horizontal	307	2.58	-	106.39
AV	5.2376G	102.97	Inf	-Inf	8.12	3	Horizontal	307	2.58	-	94.85
PK	5.39G	57.75	74.00	-16.25	8.33	3	Horizontal	307	2.58	-	49.42
AV	5.3504G	45.23	54.00	-8.77	8.28	3	Horizontal	307	2.58	-	36.95

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

06/08/2019



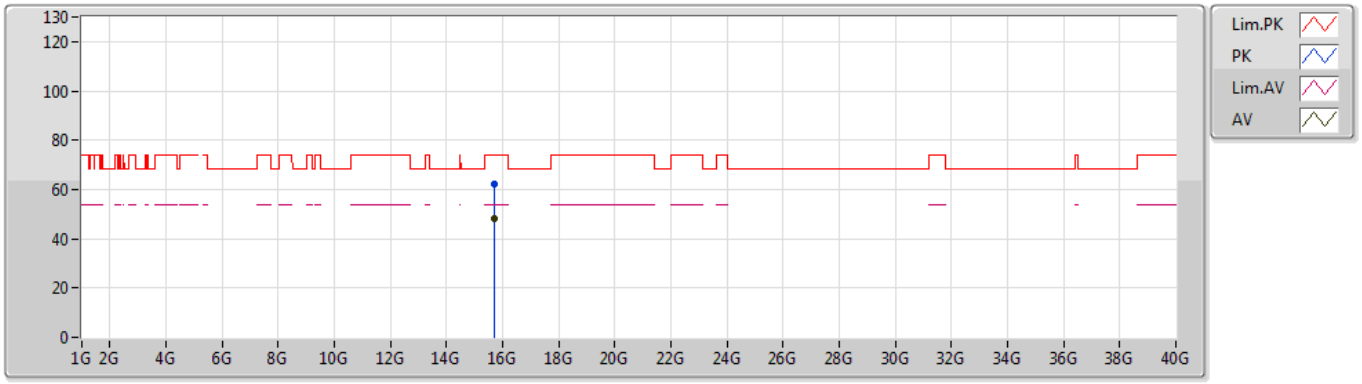
EUT Y_2TX
Setting 23
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.72138G	67.59	74.00	-6.41	15.60	3	Vertical	343	2.01	-	51.99
AV	15.72132G	53.52	54.00	-0.48	15.60	3	Vertical	343	2.01	-	37.92

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

06/08/2019



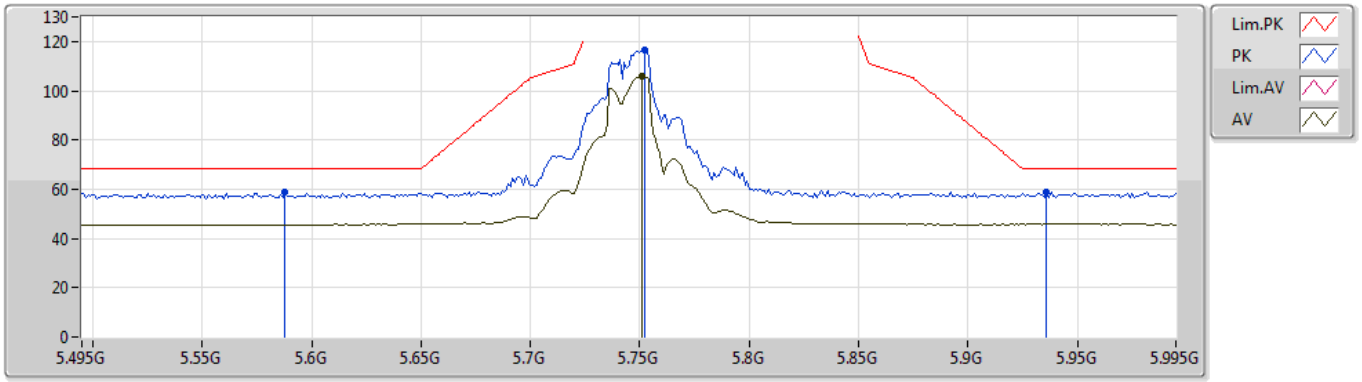
EUT Y_2TX
Setting 23
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.71814G	62.38	74.00	-11.62	15.61	3	Horizontal	222	1.81	-	46.77
AV	15.71796G	48.01	54.00	-5.99	15.61	3	Horizontal	222	1.81	-	32.40

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

06/08/2019



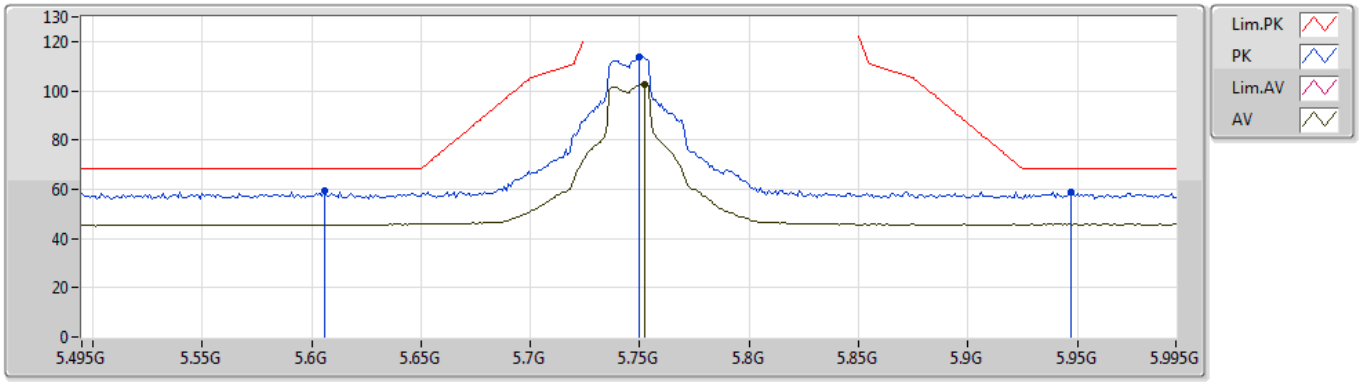
EUT Y_2TX
Setting 21.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.588G	58.90	68.20	-9.30	8.57	3	Vertical	285	1.28	-	50.33
PK	5.752G	116.47	Inf	-Inf	8.83	3	Vertical	285	1.28	-	107.64
AV	5.751G	105.79	Inf	-Inf	8.83	3	Vertical	285	1.28	-	96.96
PK	5.936G	58.60	68.20	-9.60	8.93	3	Vertical	285	1.28	-	49.67

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

06/08/2019



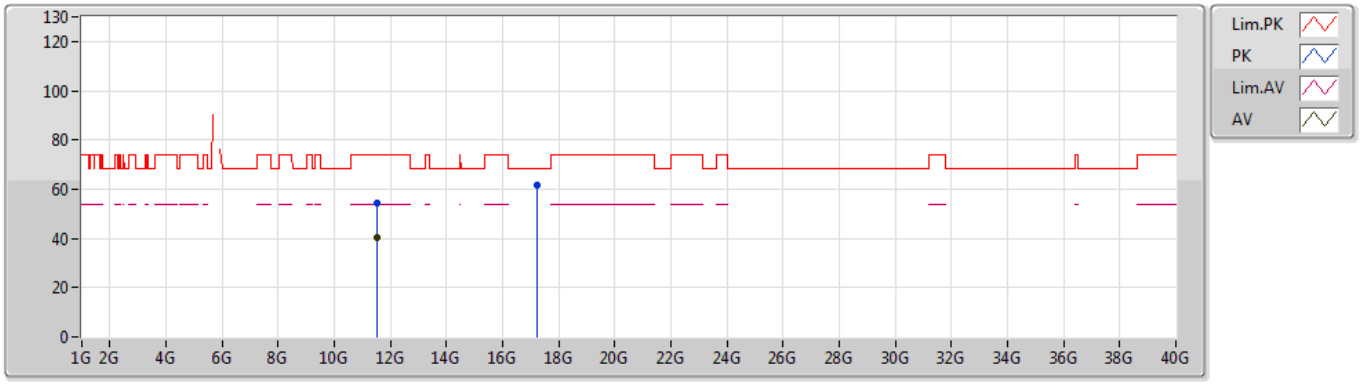
EUT Y_2TX
Setting 21.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.606G	59.20	68.20	-9.00	8.59	3	Horizontal	0	1.17	-	50.61
PK	5.75G	113.65	Inf	-Inf	8.83	3	Horizontal	0	1.17	-	104.82
AV	5.752G	102.62	Inf	-Inf	8.83	3	Horizontal	0	1.17	-	93.79
PK	5.947G	59.11	68.20	-9.09	8.94	3	Horizontal	0	1.17	-	50.17

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

06/08/2019



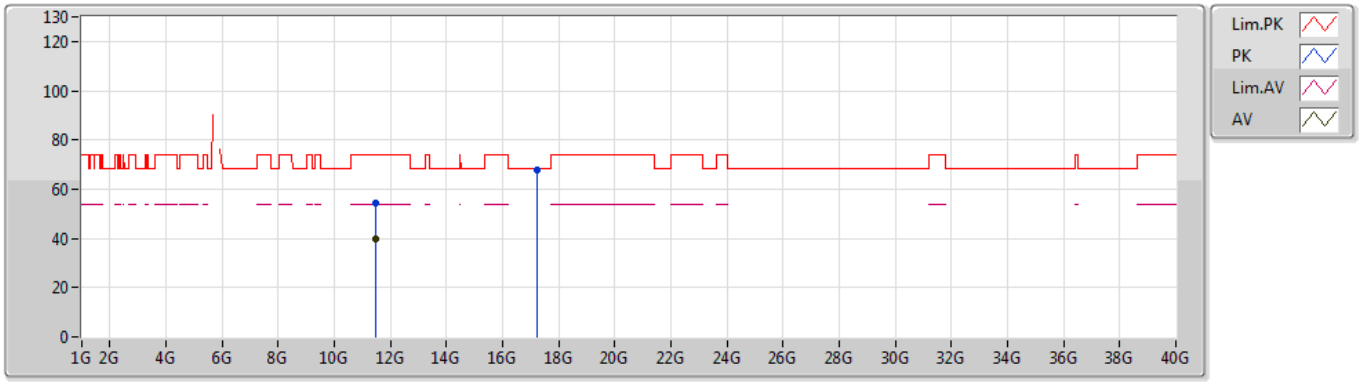
EUT Y_2TX
Setting 21.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5012G	54.50	74.00	-19.50	14.91	3	Vertical	130	1.50	-	39.59
AV	11.5147G	40.20	54.00	-13.80	14.92	3	Vertical	130	1.50	-	25.28
PK	17.2423G	61.76	68.20	-6.44	20.75	3	Vertical	338	2.37	-	41.01

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

06/08/2019



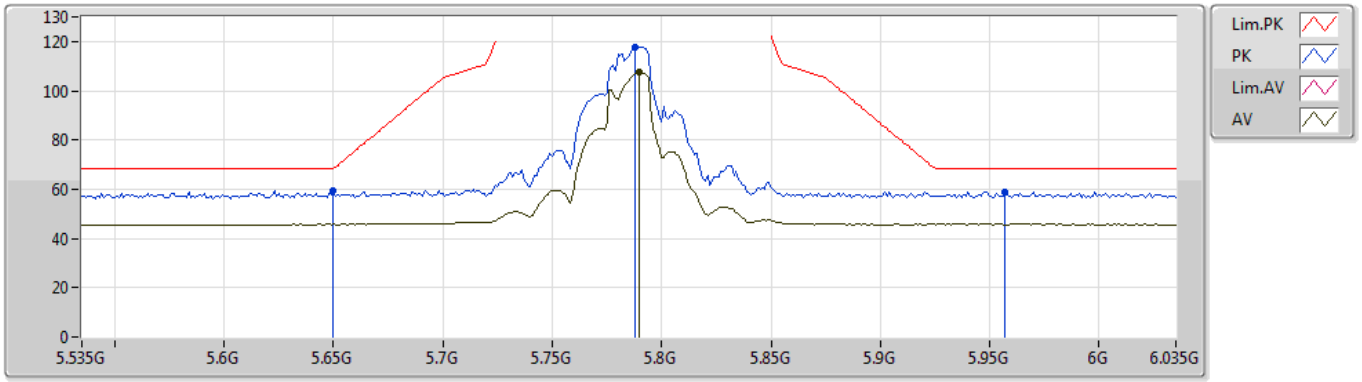
EUT Y_2TX
Setting 21.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.48953G	54.62	74.00	-19.38	14.89	3	Horizontal	138	1.07	-	39.73
AV	11.48962G	39.89	54.00	-14.11	14.89	3	Horizontal	138	1.07	-	25.00
PK	17.2364G	67.86	68.20	-0.34	20.72	3	Horizontal	265	1.81	-	47.14

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

06/08/2019



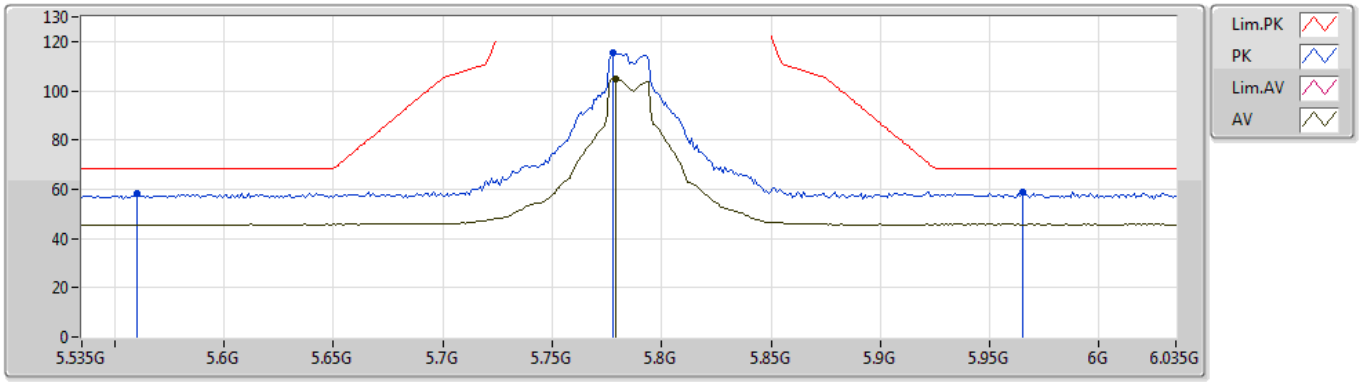
EUT Y_2TX
Setting 22.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.65G	59.34	68.20	-8.86	8.66	3	Vertical	306	1.26	-	50.68
PK	5.788G	117.89	Inf	-Inf	8.87	3	Vertical	306	1.26	-	109.02
AV	5.79G	107.33	Inf	-Inf	8.88	3	Vertical	306	1.26	-	98.45
PK	5.957G	58.85	68.20	-9.35	8.92	3	Vertical	306	1.26	-	49.93

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

06/08/2019



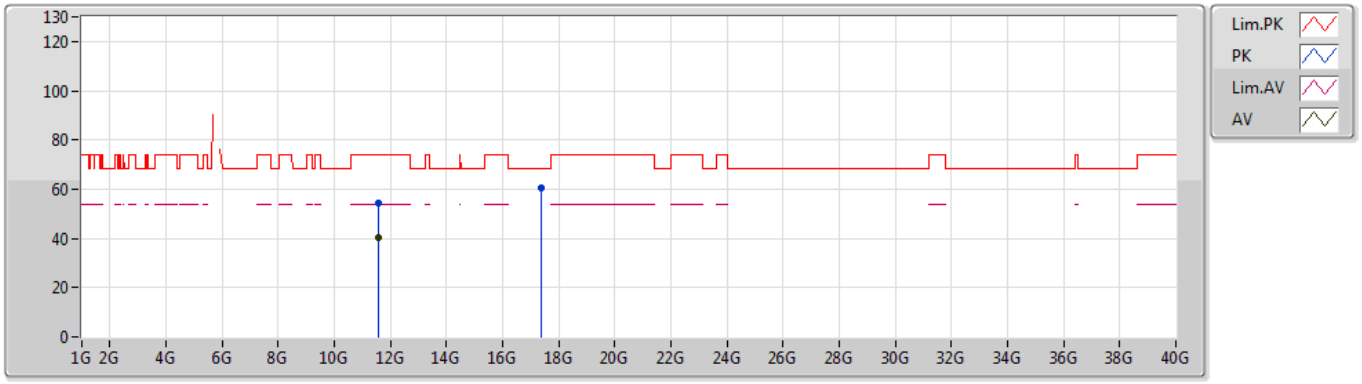
EUT Y_2TX
Setting 22.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.56G	58.46	68.20	-9.74	8.56	3	Horizontal	337	1.13	-	49.90
PK	5.778G	115.51	Inf	-Inf	8.87	3	Horizontal	337	1.13	-	106.64
AV	5.779G	104.68	Inf	-Inf	8.87	3	Horizontal	337	1.13	-	95.81
PK	5.965G	58.90	68.20	-9.30	8.93	3	Horizontal	337	1.13	-	49.97

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

06/08/2019



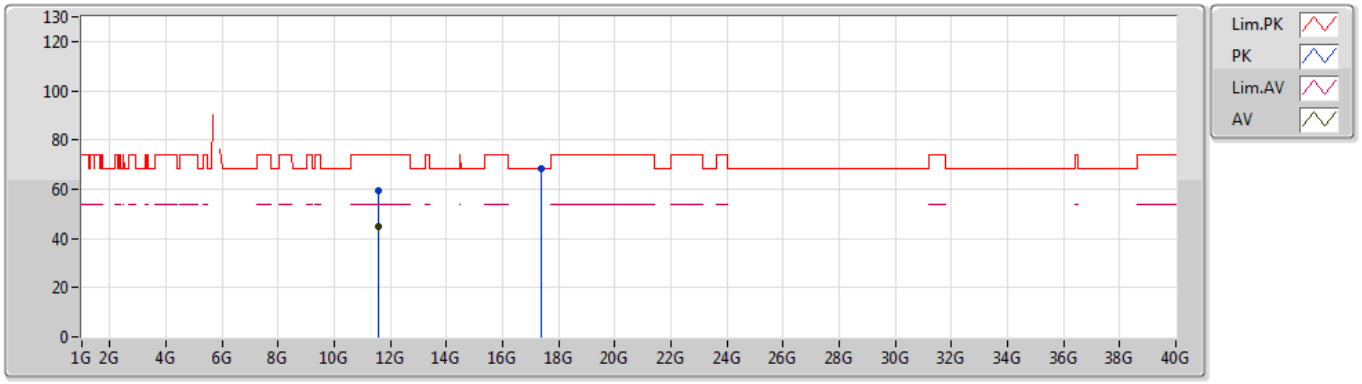
EUT Y_2TX
Setting 22.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.57006G	54.26	74.00	-19.74	15.00	3	Vertical	235	1.25	-	39.26
AV	11.5703G	40.13	54.00	-13.87	15.00	3	Vertical	235	1.25	-	25.13
PK	17.35545G	60.42	68.20	-7.78	21.42	3	Vertical	361	2.08	-	39.00

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

06/08/2019



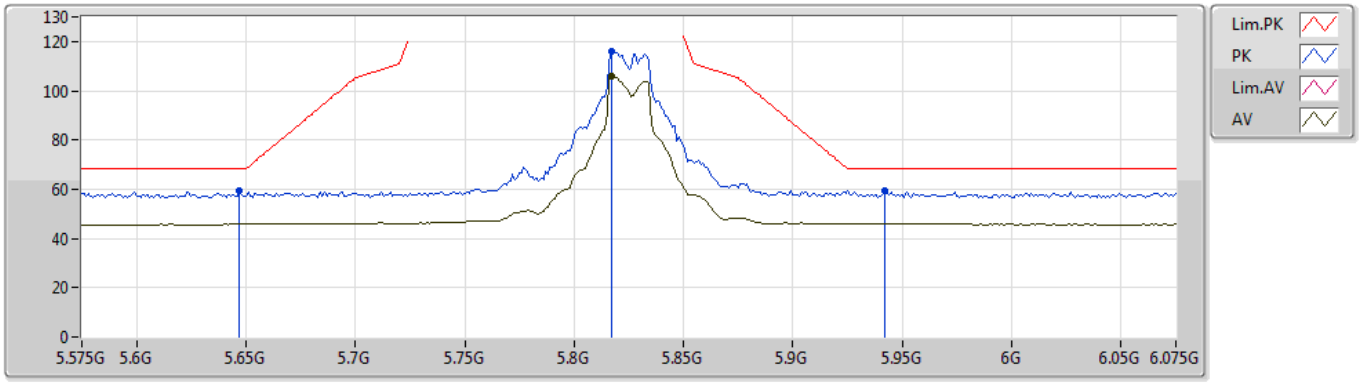
EUT Y_2TX
Setting 22.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5779G	59.35	74.00	-14.65	15.01	3	Horizontal	222	2.15	-	44.34
AV	11.5784G	45.06	54.00	-8.94	15.01	3	Horizontal	222	2.15	-	30.05
PK	17.3566G	68.09	68.20	-0.11	21.43	3	Horizontal	287	1.81	-	46.66

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

06/08/2019



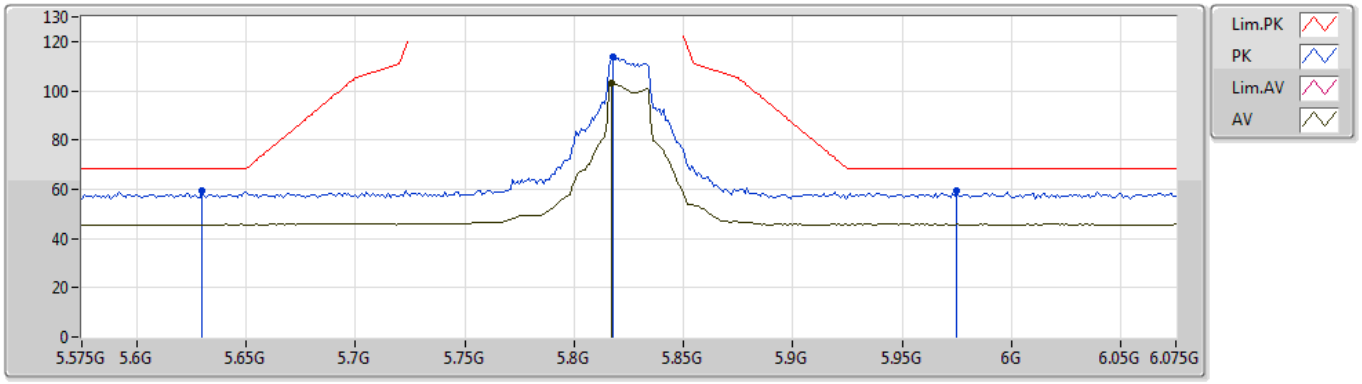
EUT Y_2TX
Setting 21.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.647G	59.15	68.20	-9.05	8.67	3	Vertical	119	1.81	-	50.48
PK	5.817G	115.79	Inf	-Inf	8.90	3	Vertical	119	1.81	-	106.89
AV	5.817G	105.66	Inf	-Inf	8.90	3	Vertical	119	1.81	-	96.76
PK	5.942G	59.38	68.20	-8.82	8.94	3	Vertical	119	1.81	-	50.44

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

06/08/2019



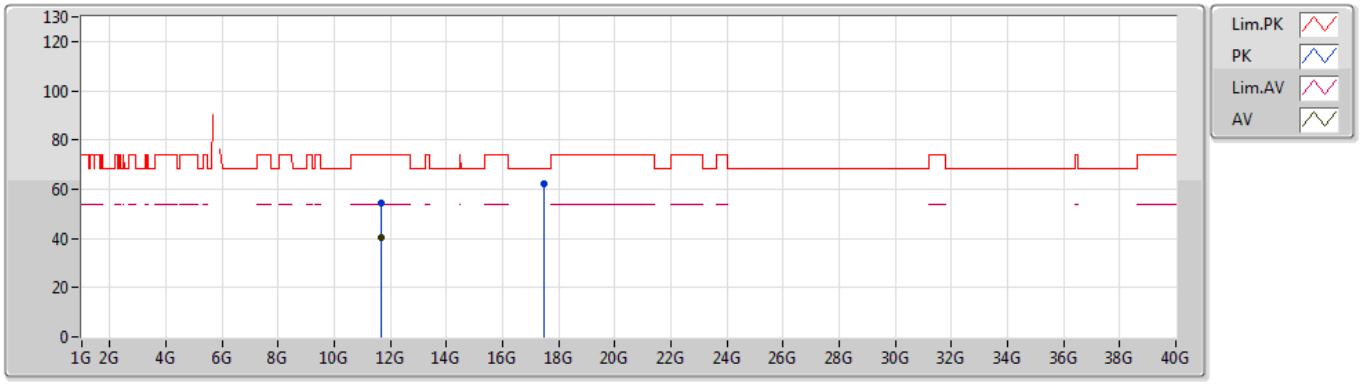
EUT Y_2TX
Setting 21.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.63G	59.25	68.20	-8.95	8.63	3	Horizontal	297	1.20	-	50.62
PK	5.818G	113.82	Inf	-Inf	8.90	3	Horizontal	297	1.20	-	104.92
AV	5.817G	102.83	Inf	-Inf	8.90	3	Horizontal	297	1.20	-	93.93
PK	5.975G	59.46	68.20	-8.74	8.94	3	Horizontal	297	1.20	-	50.52

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

06/08/2019



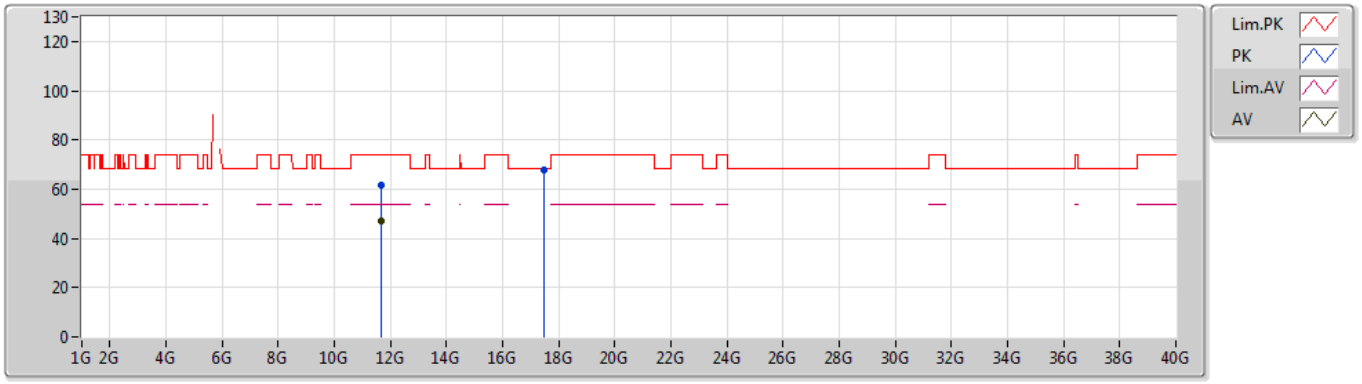
EUT Y_2TX
Setting 21.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.64942G	54.19	74.00	-19.81	15.09	3	Vertical	300	1.19	-	39.10
AV	11.64944G	40.07	54.00	-13.93	15.09	3	Vertical	300	1.19	-	24.98
PK	17.4759G	62.13	68.20	-6.07	22.14	3	Vertical	296	1.45	-	39.99

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

06/08/2019



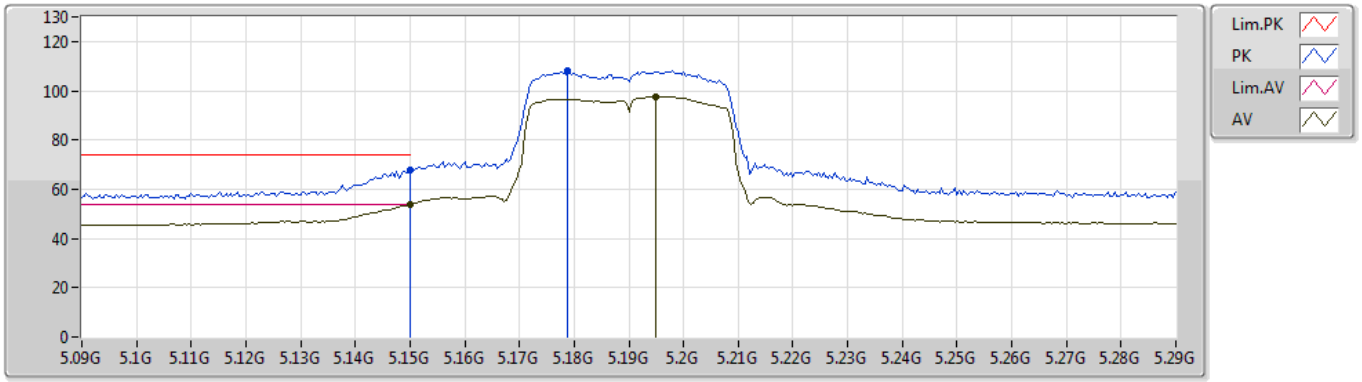
EUT Y_2TX
Setting 21.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.6558G	61.38	74.00	-12.62	15.10	3	Horizontal	314	2.09	-	46.28
AV	11.6557G	46.83	54.00	-7.17	15.10	3	Horizontal	314	2.09	-	31.73
PK	17.4672G	67.97	68.20	-0.23	22.09	3	Horizontal	300	1.82	-	45.88

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

06/08/2019



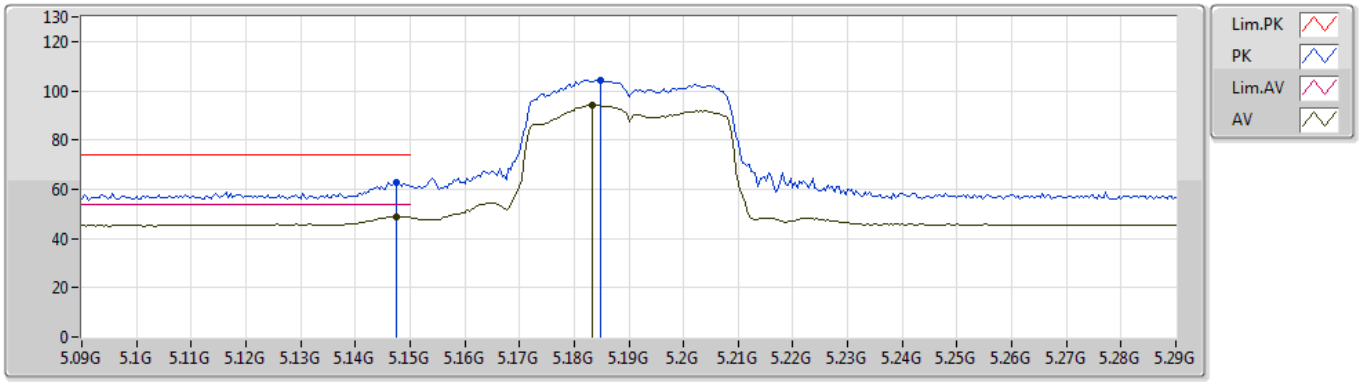
EUT Y_2TX
Setting 14
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.15G	67.82	74.00	-6.18	7.94	3	Vertical	101	2.01	-	59.88
AV	5.15G	53.67	54.00	-0.33	7.94	3	Vertical	101	2.01	-	45.73
PK	5.1788G	108.19	Inf	-Inf	8.02	3	Vertical	101	2.01	-	100.17
AV	5.1948G	97.59	Inf	-Inf	8.05	3	Vertical	101	2.01	-	89.54

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

06/08/2019



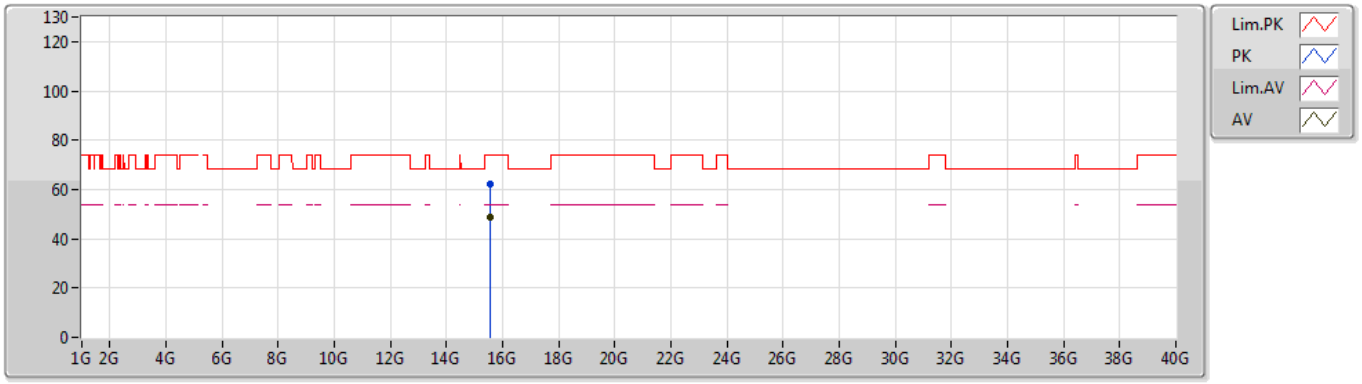
EUT Y_2TX
Setting 14
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1476G	62.80	74.00	-11.20	7.94	3	Horizontal	29	1.97	-	54.86
AV	5.1476G	48.99	54.00	-5.01	7.94	3	Horizontal	29	1.97	-	41.05
PK	5.1848G	104.45	Inf	-Inf	8.03	3	Horizontal	29	1.97	-	96.42
AV	5.1832G	94.21	Inf	-Inf	8.02	3	Horizontal	29	1.97	-	86.19

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

06/08/2019



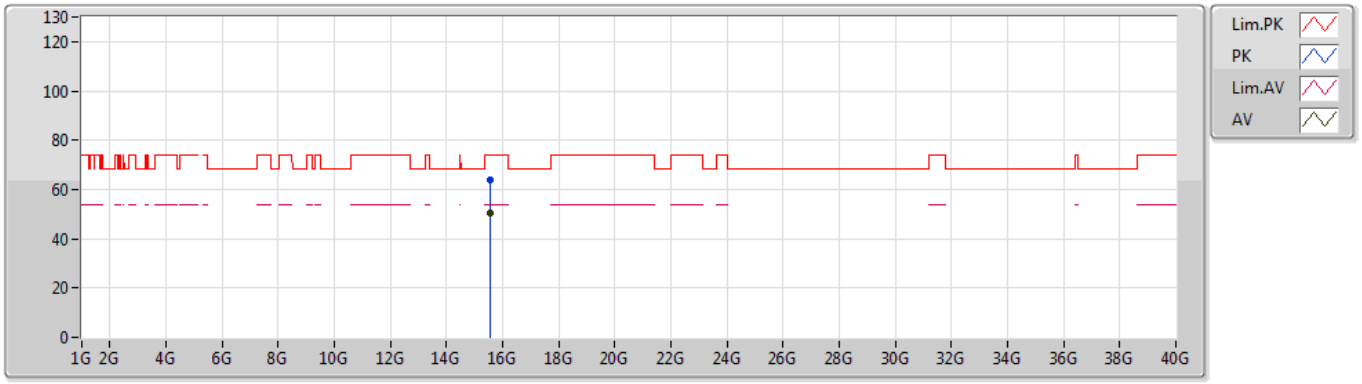
EUT Y_2TX
Setting 14
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.5734G	62.25	74.00	-11.75	15.99	3	Vertical	0	1.94	-	46.26
AV	15.5732G	48.50	54.00	-5.50	15.99	3	Vertical	0	1.94	-	32.51

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

06/08/2019



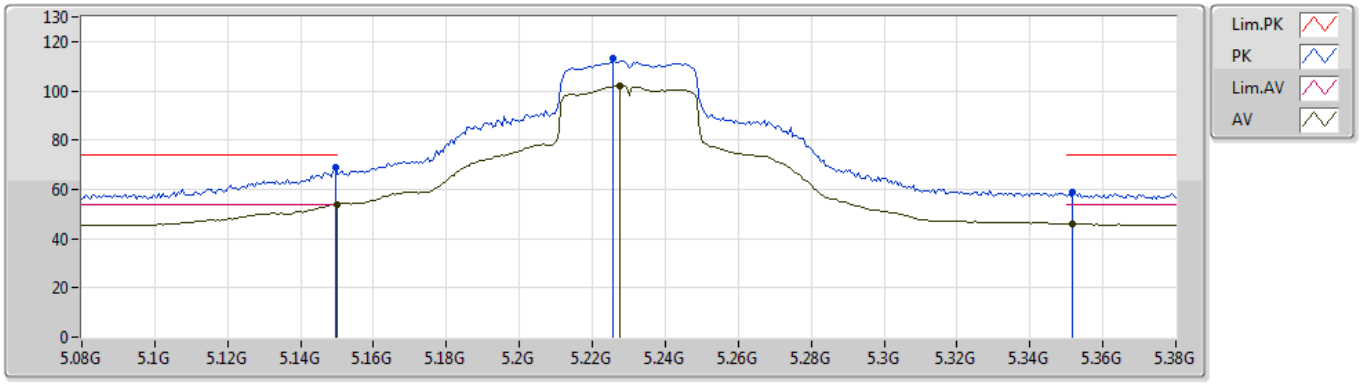
EUT Y_2TX
Setting 14
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.5452G	63.61	74.00	-10.39	16.06	3	Horizontal	53	1.40	-	47.55
AV	15.5456G	50.65	54.00	-3.35	16.06	3	Horizontal	53	1.40	-	34.59

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

06/08/2019



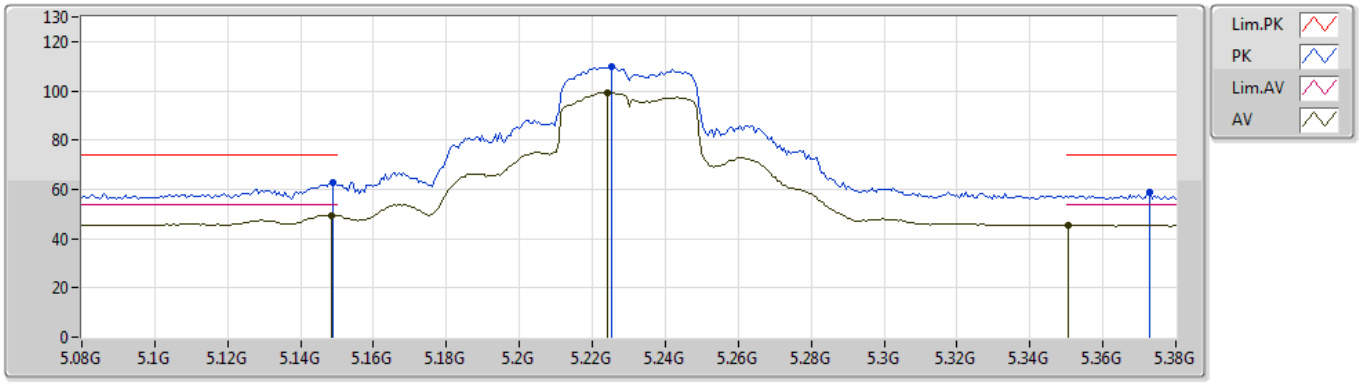
EUT Y_2TX
Setting 19.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1496G	68.92	74.00	-5.08	7.94	3	Vertical	92	1.88	-	60.98
AV	5.15G	53.68	54.00	-0.32	7.94	3	Vertical	92	1.88	-	45.74
PK	5.2258G	113.17	Inf	-Inf	8.10	3	Vertical	92	1.88	-	105.07
AV	5.2276G	102.20	Inf	-Inf	8.10	3	Vertical	92	1.88	-	94.10
PK	5.3518G	58.99	74.00	-15.01	8.28	3	Vertical	92	1.88	-	50.71
AV	5.3518G	45.97	54.00	-8.03	8.28	3	Vertical	92	1.88	-	37.69

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

06/08/2019



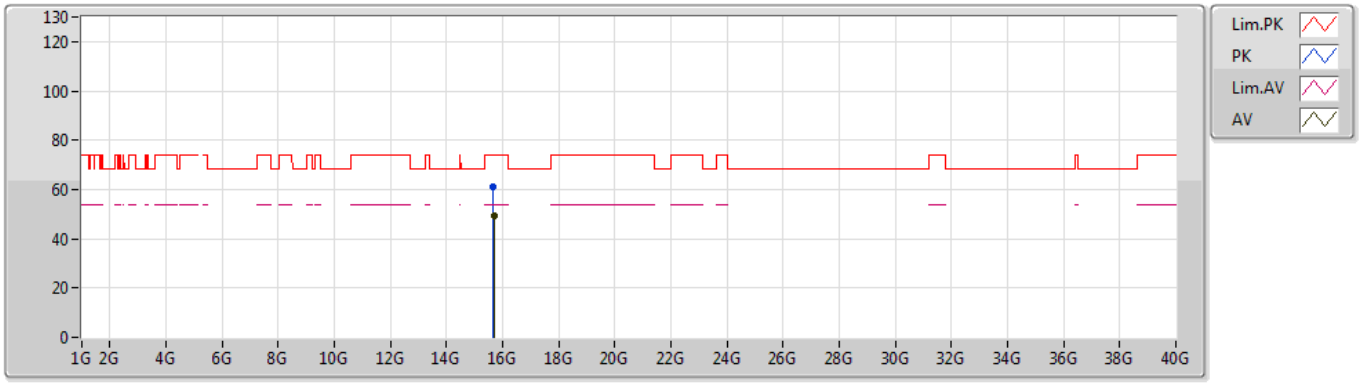
EUT Y_2TX
Setting 19.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.149G	62.94	74.00	-11.06	7.94	3	Horizontal	346	1.93	-	55.00
AV	5.1484G	49.56	54.00	-4.44	7.94	3	Horizontal	346	1.93	-	41.62
PK	5.2252G	109.67	Inf	-Inf	8.10	3	Horizontal	346	1.93	-	101.57
AV	5.224G	99.38	Inf	-Inf	8.10	3	Horizontal	346	1.93	-	91.28
PK	5.3728G	58.63	74.00	-15.37	8.30	3	Horizontal	346	1.93	-	50.33
AV	5.3506G	45.47	54.00	-8.53	8.28	3	Horizontal	346	1.93	-	37.19

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

06/08/2019



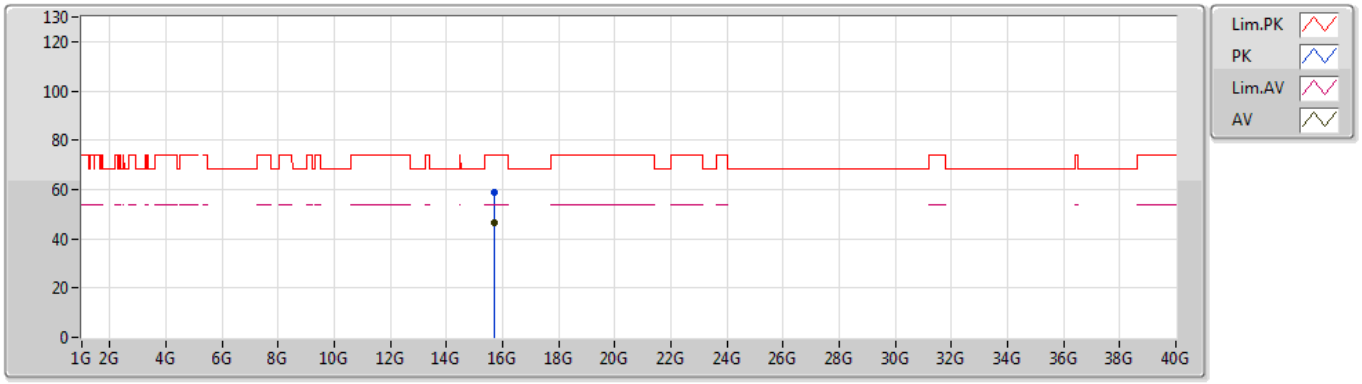
EUT Y_2TX
Setting 19.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.67336G	61.17	74.00	-12.83	15.72	3	Vertical	346	1.97	-	45.45
AV	15.69128G	49.14	54.00	-4.86	15.68	3	Vertical	346	1.97	-	33.46

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

06/08/2019



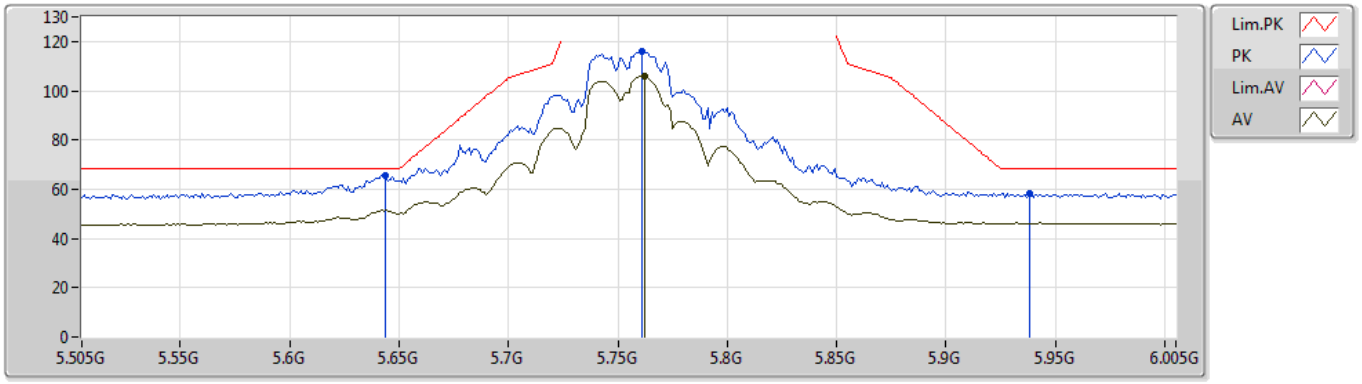
EUT Y_2TX
Setting 19.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.69864G	58.73	74.00	-15.27	15.65	3	Horizontal	317	1.58	-	43.08
AV	15.69936G	46.36	54.00	-7.64	15.65	3	Horizontal	317	1.58	-	30.71

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

06/08/2019



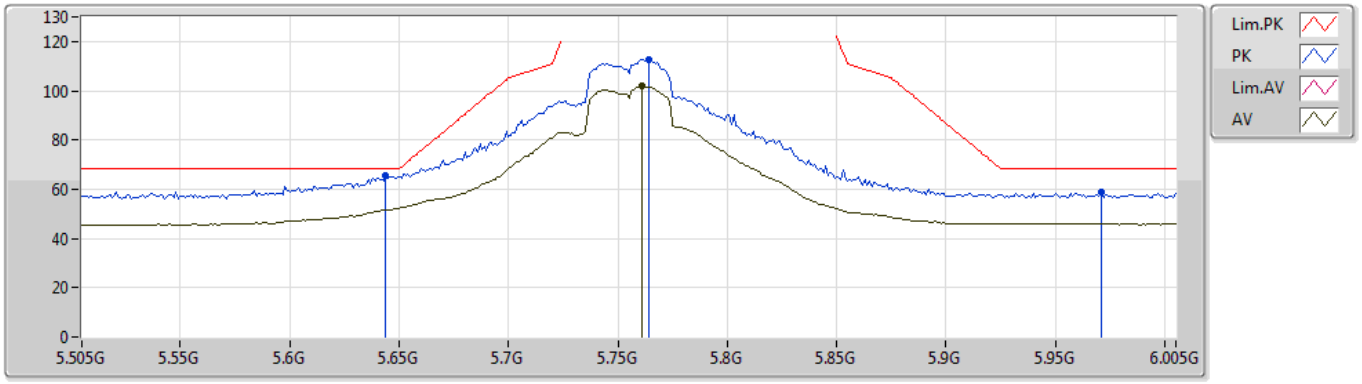
EUT Y_2TX
Setting 22.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.644G	65.68	68.20	-2.52	8.66	3	Vertical	291	1.16	-	57.02
PK	5.761G	116.12	Inf	-Inf	8.85	3	Vertical	291	1.16	-	107.27
AV	5.762G	105.95	Inf	-Inf	8.85	3	Vertical	291	1.16	-	97.10
PK	5.938G	58.52	68.20	-9.68	8.93	3	Vertical	291	1.16	-	49.59

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

06/08/2019



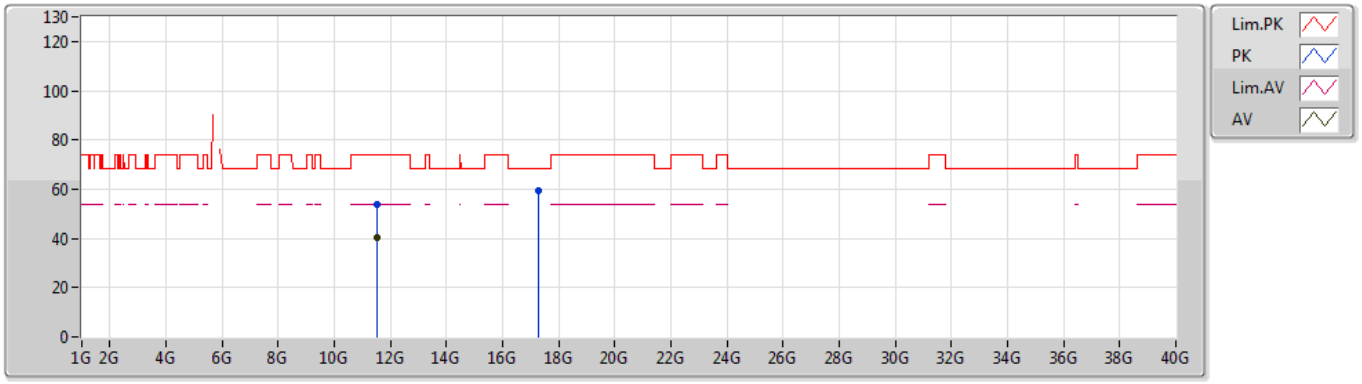
EUT Y_2TX
Setting 22.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.644G	65.35	68.20	-2.85	8.66	3	Horizontal	3	1.14	-	56.69
PK	5.764G	112.75	Inf	-Inf	8.84	3	Horizontal	3	1.14	-	103.91
AV	5.761G	102.06	Inf	-Inf	8.85	3	Horizontal	3	1.14	-	93.21
PK	5.971G	58.75	68.20	-9.45	8.93	3	Horizontal	3	1.14	-	49.82

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

06/08/2019



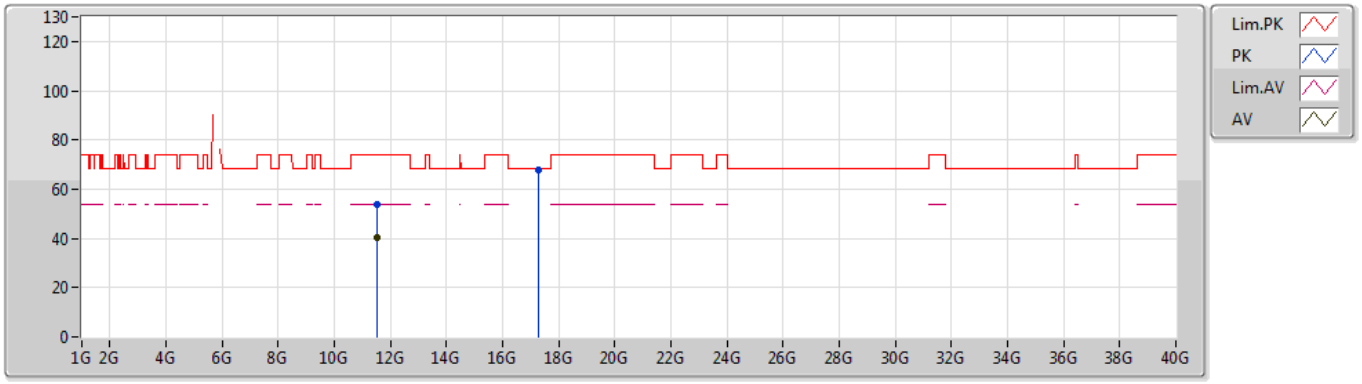
EUT Y_2TX
Setting 22.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5099G	53.65	74.00	-20.35	14.92	3	Vertical	165	1.96	-	38.73
AV	11.51026G	40.07	54.00	-13.93	14.92	3	Vertical	165	1.96	-	25.15
PK	17.26447G	59.61	68.20	-8.59	20.88	3	Vertical	57	2.50	-	38.73

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

06/08/2019



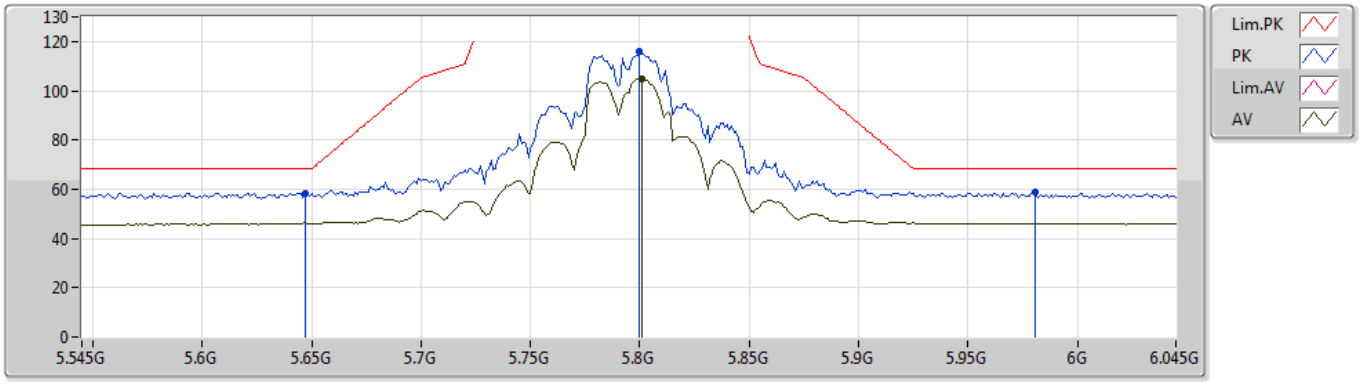
EUT Y_2TX
Setting 22.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.50976G	53.58	74.00	-20.42	14.92	3	Horizontal	207	1.39	-	38.66
AV	11.51088G	40.18	54.00	-13.82	14.92	3	Horizontal	207	1.39	-	25.26
PK	17.26868G	67.93	68.20	-0.27	20.91	3	Horizontal	217	1.86	-	47.02

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

06/08/2019



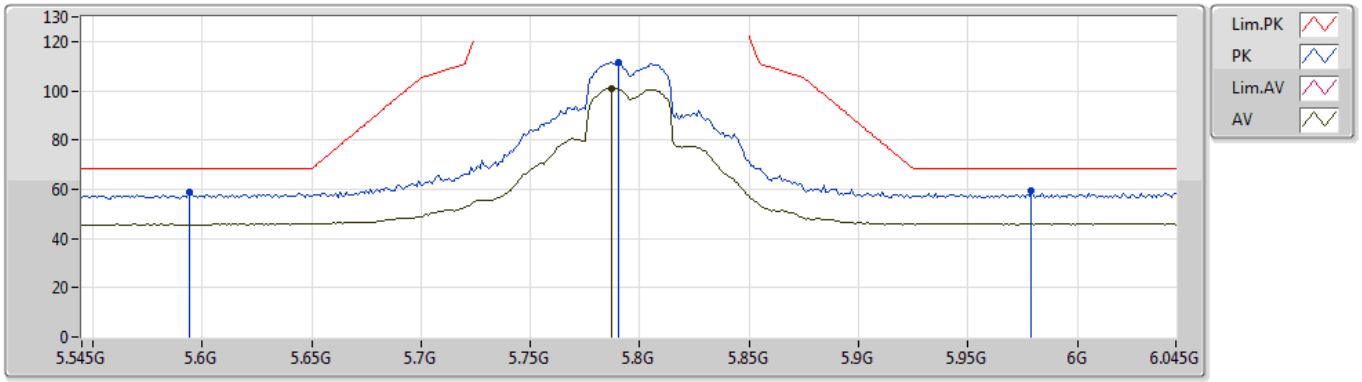
EUT Y_2TX
Setting 21.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.647G	58.53	68.20	-9.67	8.67	3	Vertical	267	1.01	-	49.86
PK	5.8G	115.95	Inf	-Inf	8.90	3	Vertical	267	1.01	-	107.05
AV	5.801G	104.90	Inf	-Inf	8.90	3	Vertical	267	1.01	-	96.00
PK	5.981G	58.74	68.20	-9.46	8.94	3	Vertical	267	1.01	-	49.80

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

06/08/2019



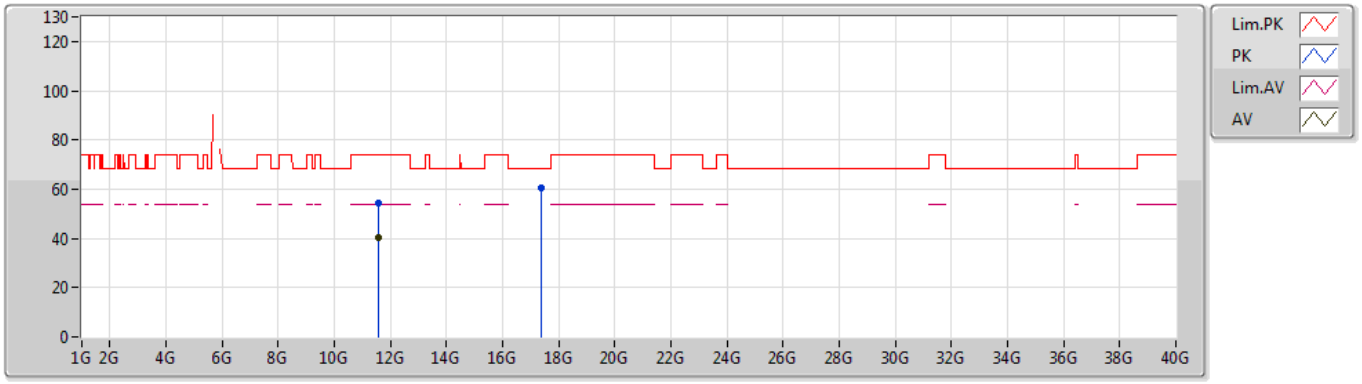
EUT Y_2TX
Setting 21.5
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.594G	58.76	68.20	-9.44	8.58	3	Horizontal	319	1.24	-	50.18
PK	5.79G	111.27	Inf	-Inf	8.88	3	Horizontal	319	1.24	-	102.39
AV	5.787G	101.11	Inf	-Inf	8.88	3	Horizontal	319	1.24	-	92.23
PK	5.979G	59.22	68.20	-8.98	8.94	3	Horizontal	319	1.24	-	50.28

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

06/08/2019



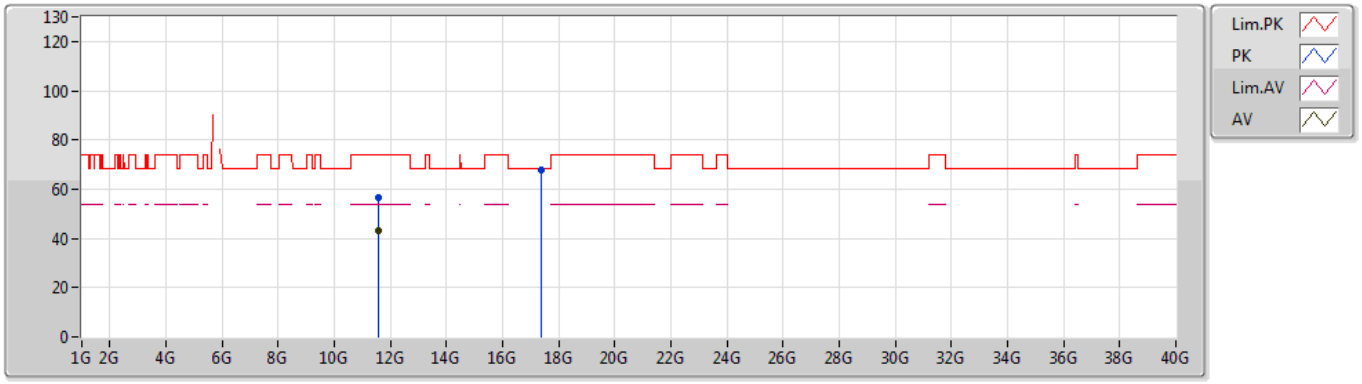
EUT Y_2TX
Setting 21.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.59051G	54.11	74.00	-19.89	15.02	3	Vertical	30	2.74	-	39.09
AV	11.58953G	40.27	54.00	-13.73	15.02	3	Vertical	30	2.74	-	25.25
PK	17.38529G	60.56	68.20	-7.64	21.60	3	Vertical	235	2.19	-	38.96

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

06/08/2019



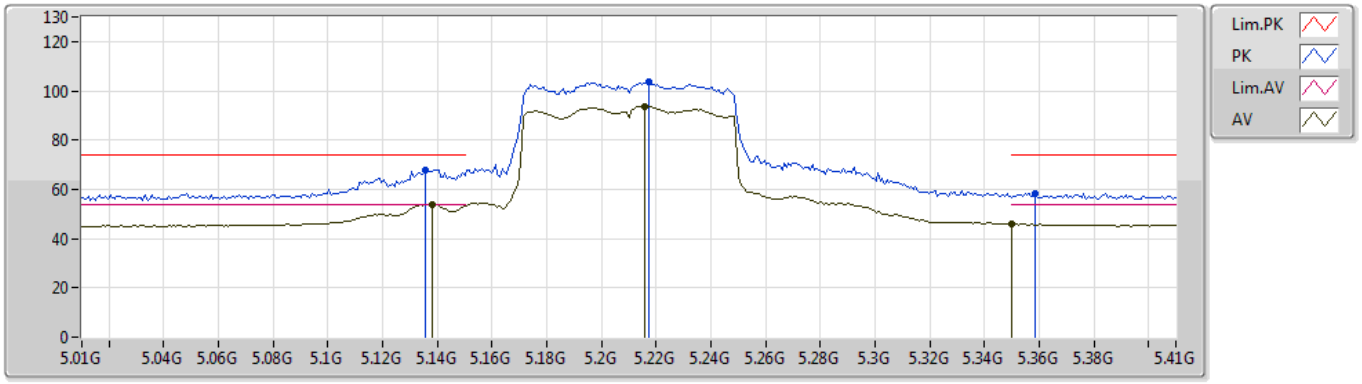
EUT Y_2TX
Setting 21.5
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5913G	56.64	74.00	-17.36	15.02	3	Horizontal	315	2.68	-	41.62
AV	11.5943G	43.05	54.00	-10.95	15.03	3	Horizontal	315	2.68	-	28.02
PK	17.3939G	67.99	68.20	-0.21	21.65	3	Horizontal	216	1.83	-	46.34

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

06/08/2019



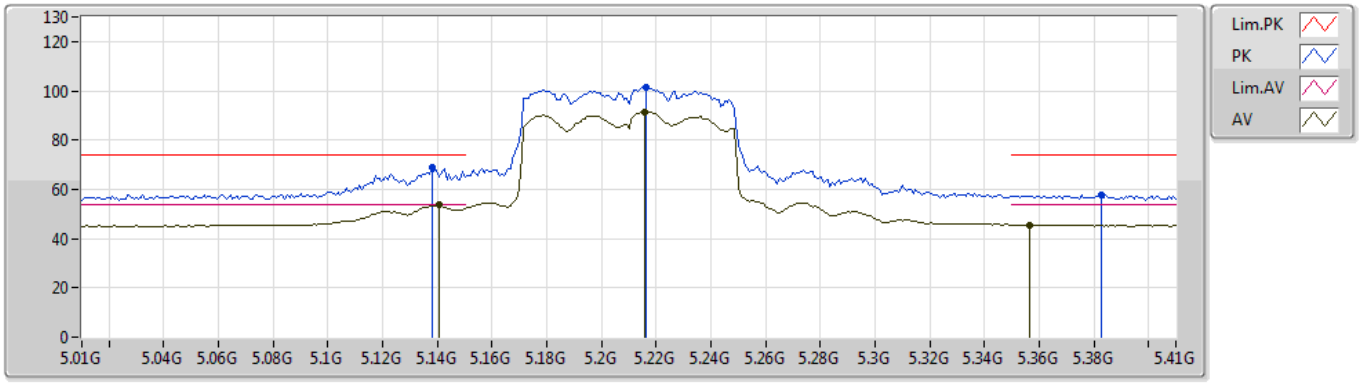
EUT Y_2TX
Setting 14
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1356G	68.08	74.00	-5.92	7.92	3	Vertical	100	2.18	-	60.16
AV	5.138G	53.95	54.00	-0.05	7.92	3	Vertical	100	2.18	-	46.03
PK	5.2172G	103.64	Inf	-Inf	8.09	3	Vertical	100	2.18	-	95.55
AV	5.2156G	93.56	Inf	-Inf	8.08	3	Vertical	100	2.18	-	85.48
PK	5.3588G	58.49	74.00	-15.51	8.28	3	Vertical	100	2.18	-	50.21
AV	5.35G	46.05	54.00	-7.95	8.28	3	Vertical	100	2.18	-	37.77

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

06/08/2019



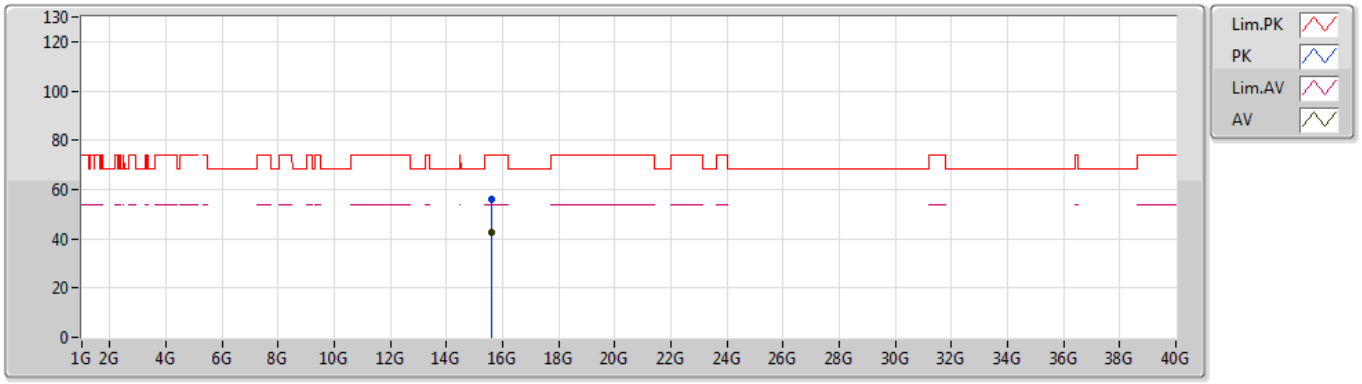
EUT Y_2TX
Setting 14
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.138G	69.14	74.00	-4.86	7.92	3	Horizontal	360	1.90	-	61.22
AV	5.1404G	53.93	54.00	-0.07	7.93	3	Horizontal	360	1.90	-	46.00
PK	5.2164G	101.39	Inf	-Inf	8.08	3	Horizontal	360	1.90	-	93.31
AV	5.2156G	91.36	Inf	-Inf	8.08	3	Horizontal	360	1.90	-	83.28
PK	5.3828G	57.93	74.00	-16.07	8.32	3	Horizontal	360	1.90	-	49.61
AV	5.3564G	45.66	54.00	-8.34	8.28	3	Horizontal	360	1.90	-	37.38

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

06/08/2019



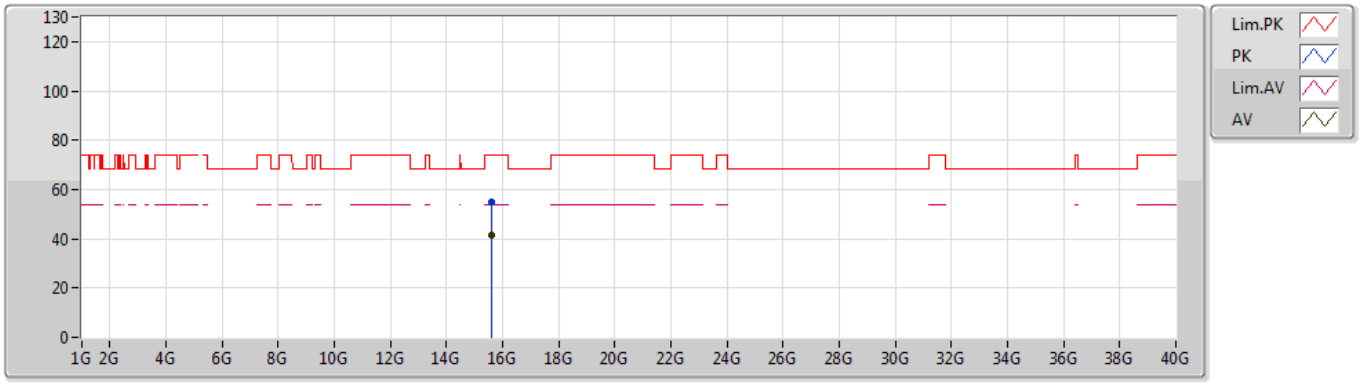
EUT Y_2TX
Setting 14
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.62136G	55.78	74.00	-18.22	15.86	3	Vertical	11	1.67	-	39.92
AV	15.62408G	42.63	54.00	-11.37	15.85	3	Vertical	11	1.67	-	26.78

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

06/08/2019



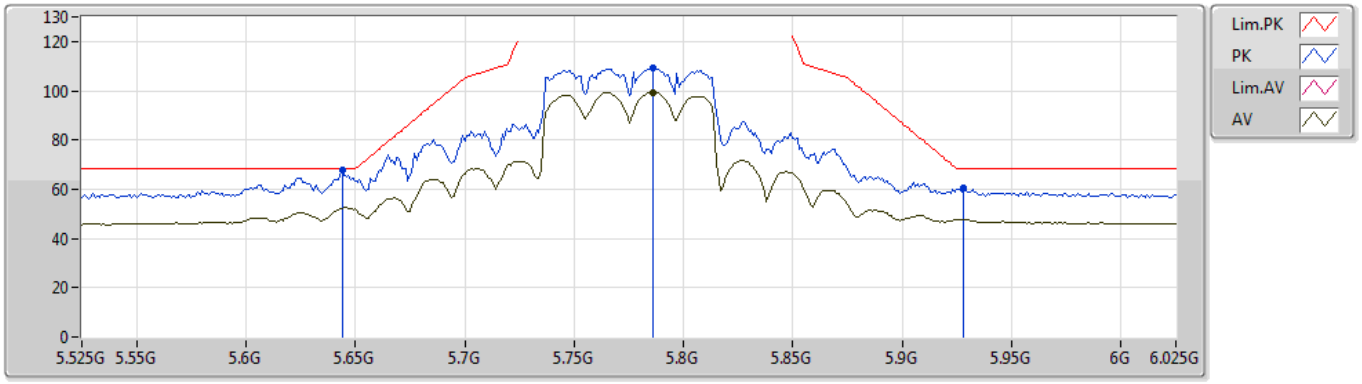
EUT Y_2TX
Setting 14
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.63088G	55.19	74.00	-18.81	15.83	3	Horizontal	243	2.08	-	39.36
AV	15.63029G	41.46	54.00	-12.54	15.83	3	Horizontal	243	2.08	-	25.63

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

06/08/2019



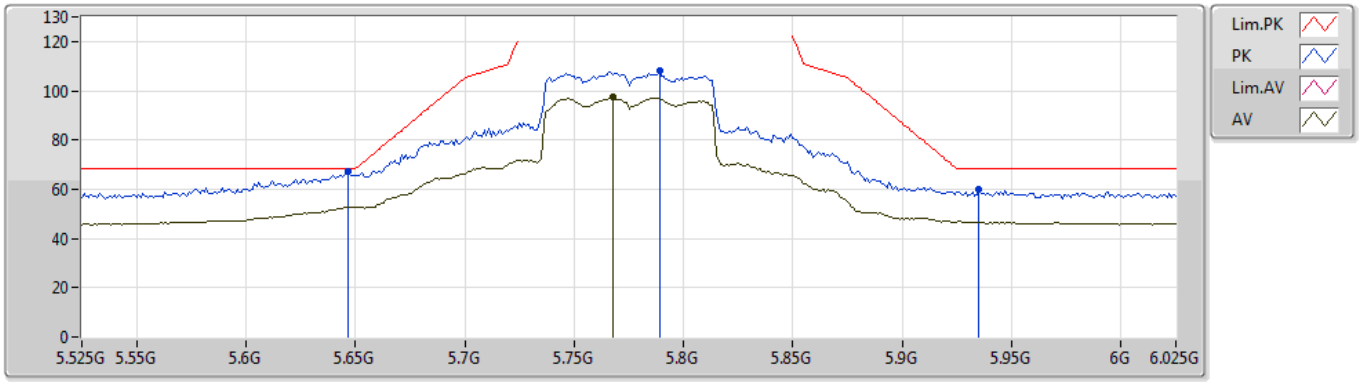
EUT Y_2TX
Setting 20
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.644G	67.67	68.20	-0.53	8.66	3	Vertical	278	2.75	-	59.01
PK	5.786G	109.51	Inf	-Inf	8.88	3	Vertical	278	2.75	-	100.63
AV	5.786G	99.46	Inf	-Inf	8.88	3	Vertical	278	2.75	-	90.58
PK	5.928G	60.30	68.20	-7.90	8.93	3	Vertical	278	2.75	-	51.37

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

06/08/2019



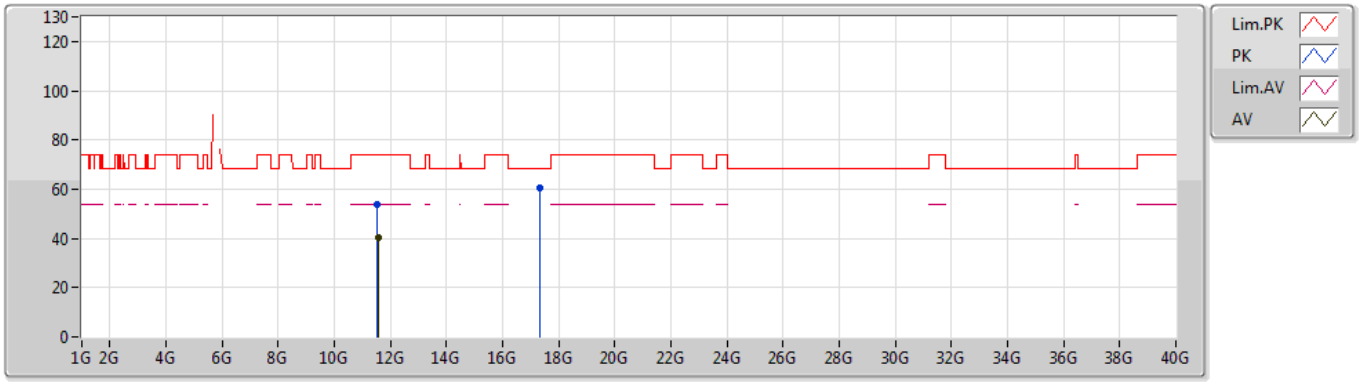
EUT Y_2TX
Setting 20
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.647G	67.15	68.20	-1.05	8.67	3	Horizontal	321	1.04	-	58.48
PK	5.789G	108.17	Inf	-Inf	8.88	3	Horizontal	321	1.04	-	99.29
AV	5.768G	97.23	Inf	-Inf	8.85	3	Horizontal	321	1.04	-	88.38
PK	5.935G	59.72	68.20	-8.48	8.93	3	Horizontal	321	1.04	-	50.79

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

06/08/2019



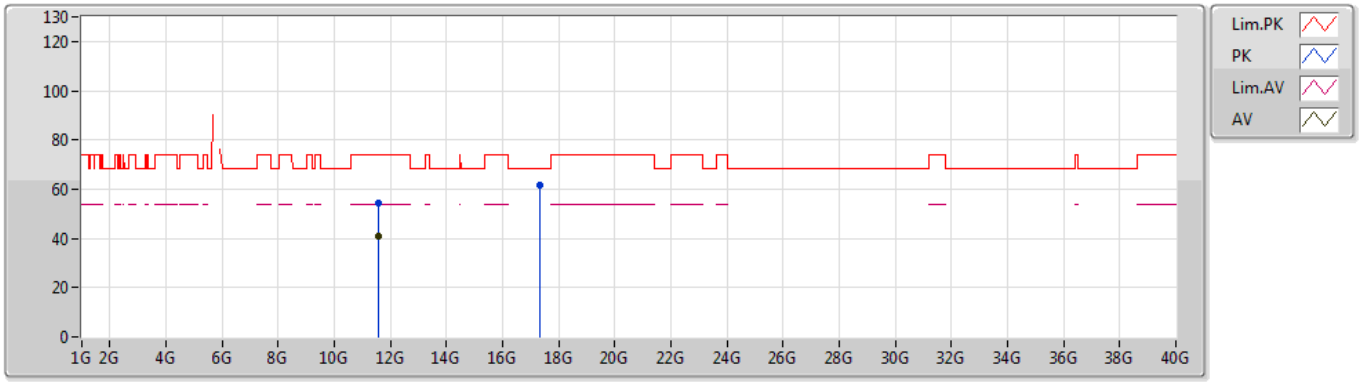
EUT Y_2TX
Setting 20
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.54873G	53.90	74.00	-20.10	14.97	3	Vertical	193	2.02	-	38.93
AV	11.54972G	40.36	54.00	-13.64	14.97	3	Vertical	193	2.02	-	25.39
PK	17.32568G	60.33	68.20	-7.87	21.25	3	Vertical	36	1.98	-	39.08

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

06/08/2019



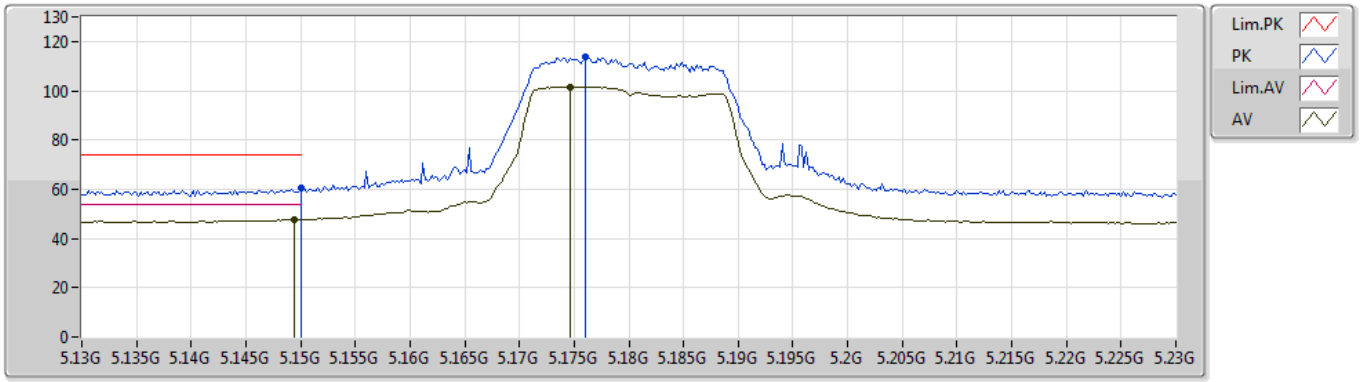
EUT Y_2TX
Setting 20
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.55936G	54.63	74.00	-19.37	14.99	3	Horizontal	144	1.95	-	39.64
AV	11.57676G	40.97	54.00	-13.03	15.01	3	Horizontal	144	1.95	-	25.96
PK	17.31264G	61.46	68.20	-6.74	21.17	3	Horizontal	303	1.90	-	40.29

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

06/08/2019



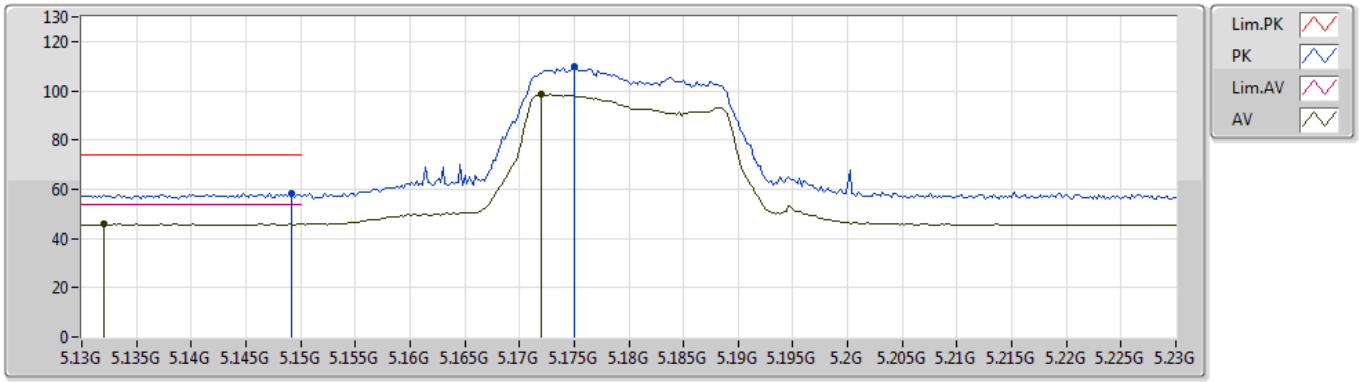
EUT Y_2TX
Setting 18
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.15G	60.25	74.00	-13.75	7.94	3	Vertical	112	1.83	-	52.31
AV	5.1494G	47.56	54.00	-6.44	7.94	3	Vertical	112	1.83	-	39.62
PK	5.176G	113.75	Inf	-Inf	8.01	3	Vertical	112	1.83	-	105.74
AV	5.1746G	101.54	Inf	-Inf	8.00	3	Vertical	112	1.83	-	93.54

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

06/08/2019



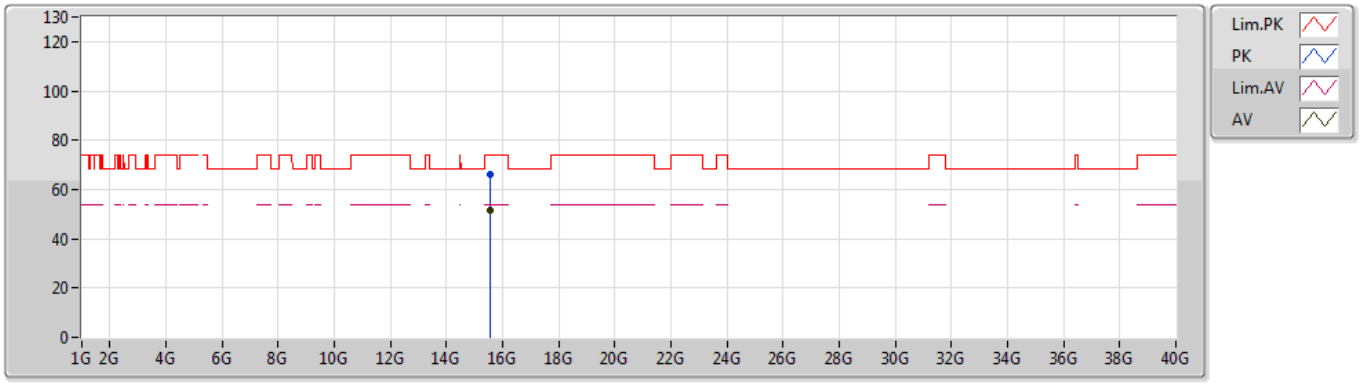
EUT Y_2TX
Setting 18
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1492G	58.13	74.00	-15.87	7.94	3	Horizontal	10	1.74	-	50.19
AV	5.132G	45.82	54.00	-8.18	7.92	3	Horizontal	10	1.74	-	37.90
PK	5.175G	109.63	Inf	-Inf	8.01	3	Horizontal	10	1.74	-	101.62
AV	5.172G	98.49	Inf	-Inf	7.99	3	Horizontal	10	1.74	-	90.50

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

06/08/2019



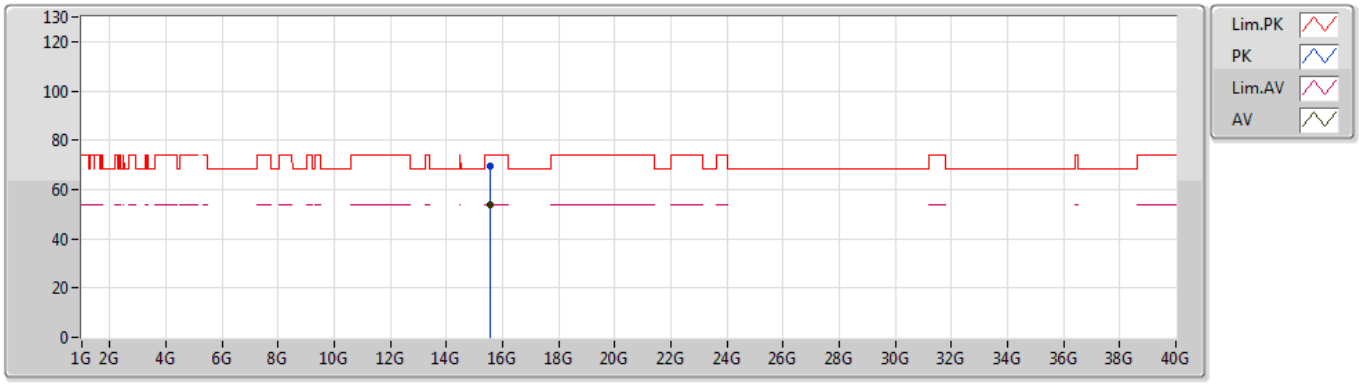
EUT Y_2TX
Setting 18
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.53488G	66.28	74.00	-7.72	16.09	3	Vertical	298	2.55	-	50.19
AV	15.53424G	51.51	54.00	-2.49	16.09	3	Vertical	298	2.55	-	35.42

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

06/08/2019



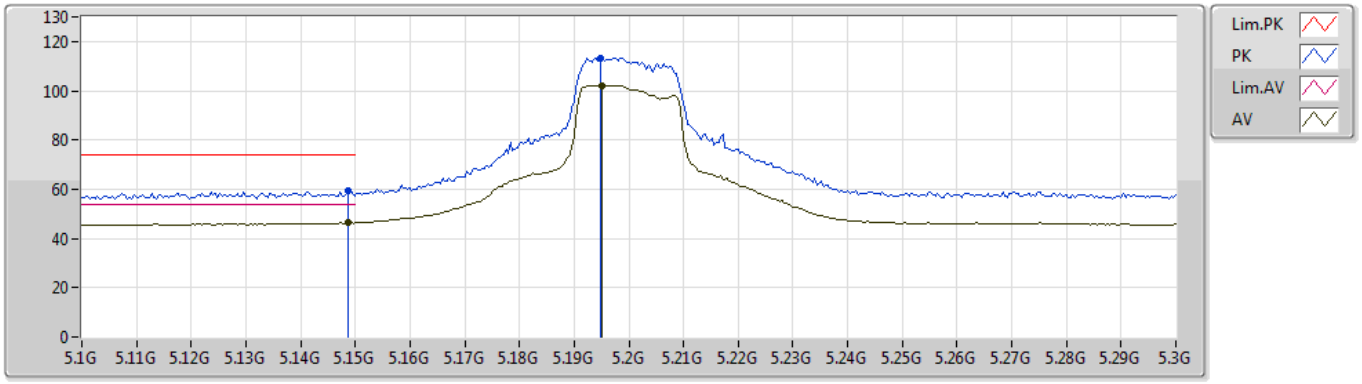
EUT Y_2TX
Setting 18
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.53872G	69.49	74.00	-4.51	16.08	3	Horizontal	298	2.55	-	53.41
AV	15.53472G	53.53	54.00	-0.47	16.09	3	Horizontal	298	2.55	-	37.44

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

06/08/2019



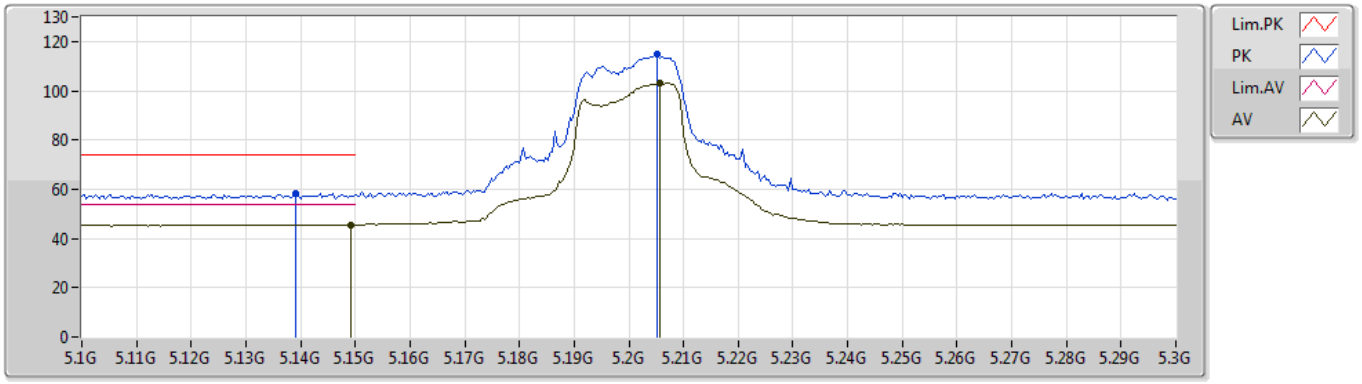
EUT Y_2TX
Setting 21
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1488G	59.30	74.00	-14.70	7.94	3	Vertical	15	1.52	-	51.36
AV	5.1488G	46.49	54.00	-7.51	7.94	3	Vertical	15	1.52	-	38.55
PK	5.1948G	113.46	Inf	-Inf	8.05	3	Vertical	15	1.52	-	105.41
AV	5.1952G	102.16	Inf	-Inf	8.05	3	Vertical	15	1.52	-	94.11

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

06/08/2019



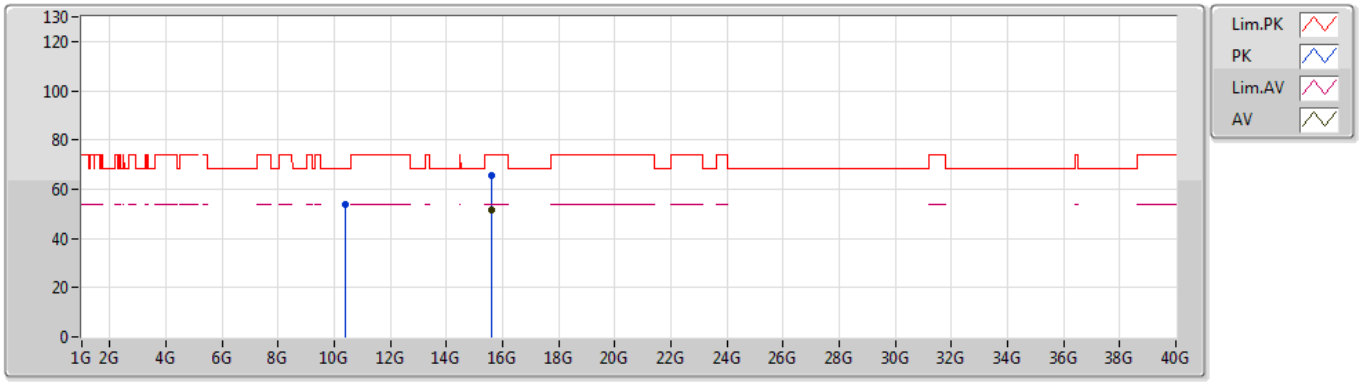
EUT Y_2TX
Setting 21
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1392G	58.24	74.00	-15.76	7.93	3	Horizontal	356	2.83	-	50.31
AV	5.1492G	45.65	54.00	-8.35	7.94	3	Horizontal	356	2.83	-	37.71
PK	5.2052G	114.75	Inf	-Inf	8.07	3	Horizontal	356	2.83	-	106.68
AV	5.2056G	103.03	Inf	-Inf	8.07	3	Horizontal	356	2.83	-	94.96

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

06/08/2019



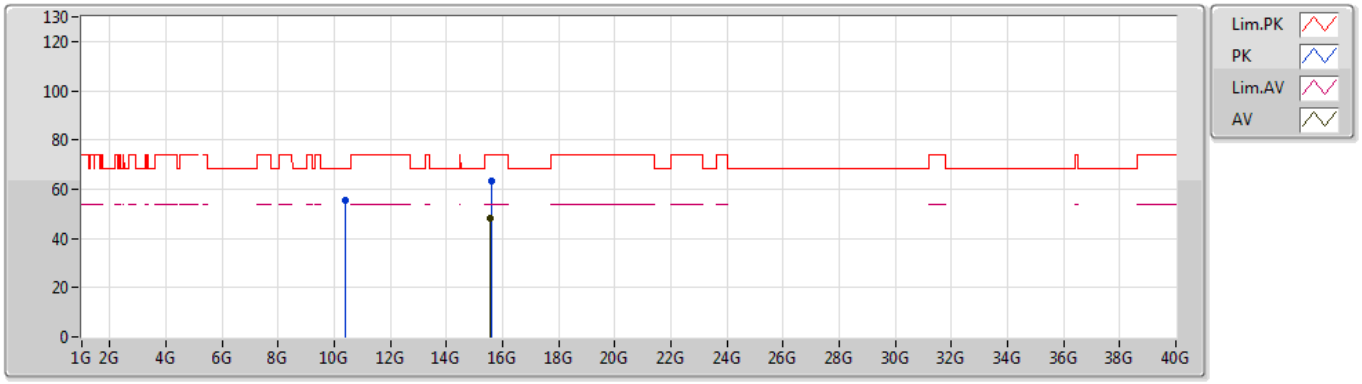
EUT Y_2TX
Setting 21
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.40014G	53.73	68.20	-14.47	14.64	3	Vertical	25	2.42	-	39.09
PK	15.60012G	65.35	74.00	-8.65	15.91	3	Vertical	5	1.61	-	49.44
AV	15.60132G	51.76	54.00	-2.24	15.91	3	Vertical	5	1.61	-	35.85

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

06/08/2019



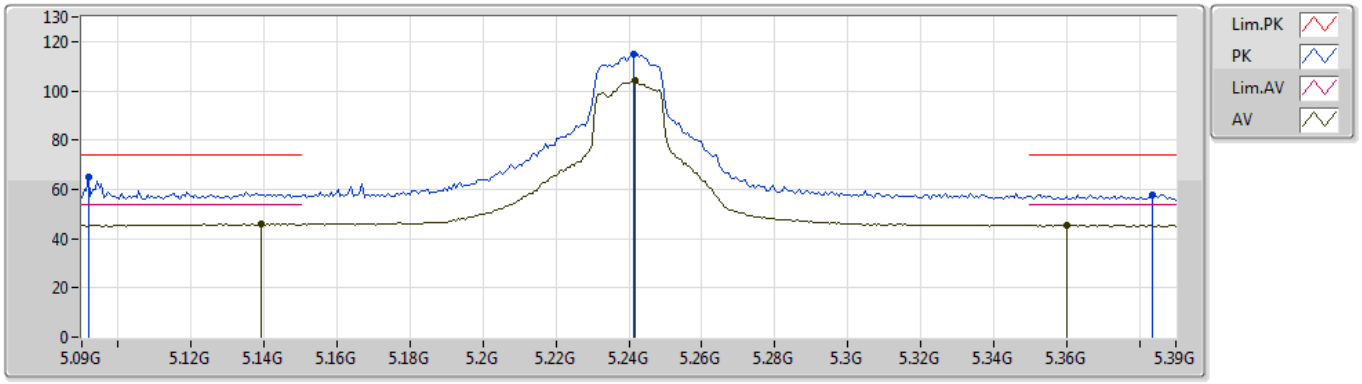
EUT Y_2TX
Setting 21
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.40288G	55.32	68.20	-12.88	14.64	3	Horizontal	294	2.19	-	40.68
PK	15.58536G	63.37	74.00	-10.63	15.94	3	Horizontal	66	1.45	-	47.43
AV	15.58128G	48.39	54.00	-5.61	15.96	3	Horizontal	66	1.45	-	32.43

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

06/08/2019



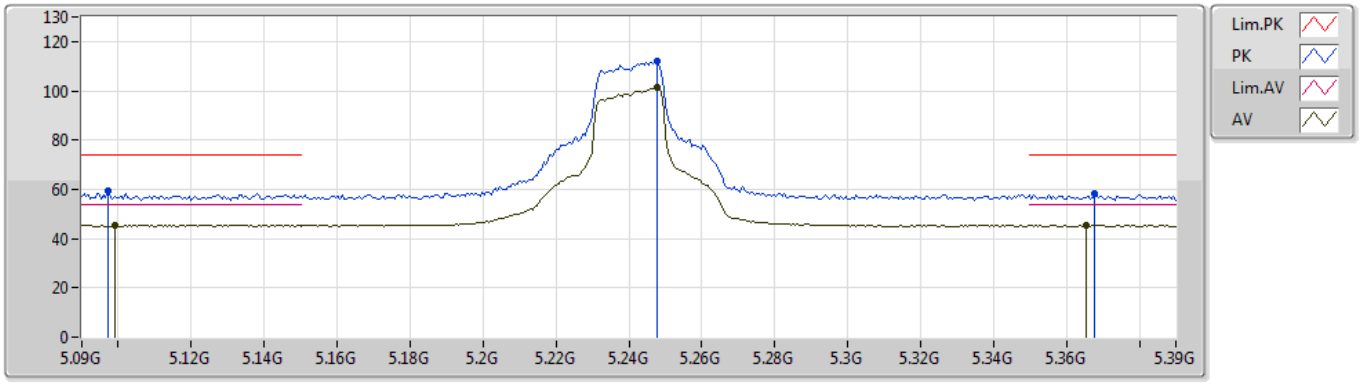
EUT Y_2TX
Setting 21
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.0918G	64.96	74.00	-9.04	7.82	3	Vertical	86	1.74	-	57.14
AV	5.1392G	45.90	54.00	-8.10	7.93	3	Vertical	86	1.74	-	37.97
PK	5.2412G	114.64	Inf	-Inf	8.12	3	Vertical	86	1.74	-	106.52
AV	5.2418G	104.22	Inf	-Inf	8.12	3	Vertical	86	1.74	-	96.10
PK	5.3834G	57.92	74.00	-16.08	8.32	3	Vertical	86	1.74	-	49.60
AV	5.36G	45.45	54.00	-8.55	8.29	3	Vertical	86	1.74	-	37.16

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

06/08/2019



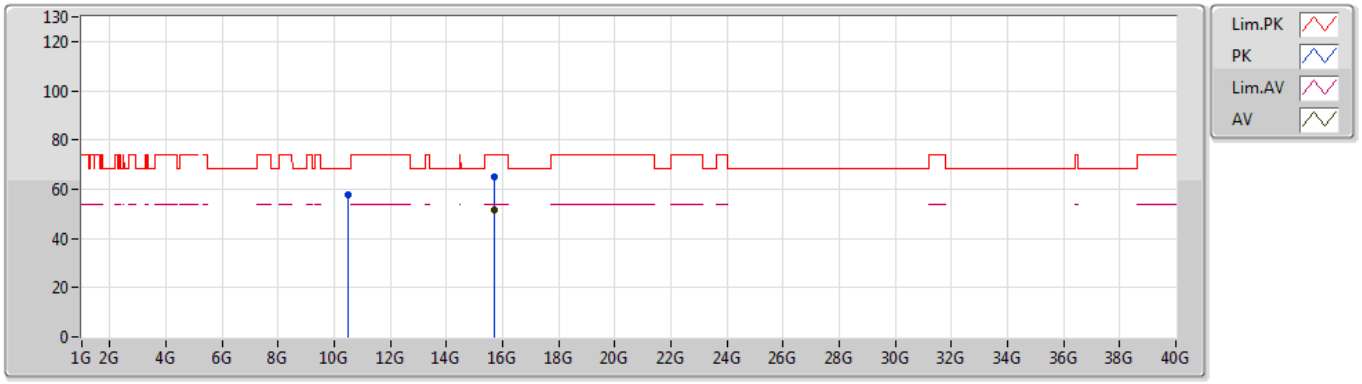
EUT Y_2TX
Setting 21
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.0972G	59.22	74.00	-14.78	7.84	3	Horizontal	8	2.55	-	51.38
AV	5.099G	45.41	54.00	-8.59	7.84	3	Horizontal	8	2.55	-	37.57
PK	5.2478G	111.89	Inf	-Inf	8.13	3	Horizontal	8	2.55	-	103.76
AV	5.2478G	101.19	Inf	-Inf	8.13	3	Horizontal	8	2.55	-	93.06
PK	5.3678G	58.07	74.00	-15.93	8.29	3	Horizontal	8	2.55	-	49.78
AV	5.3654G	45.32	54.00	-8.68	8.29	3	Horizontal	8	2.55	-	37.03

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

06/08/2019



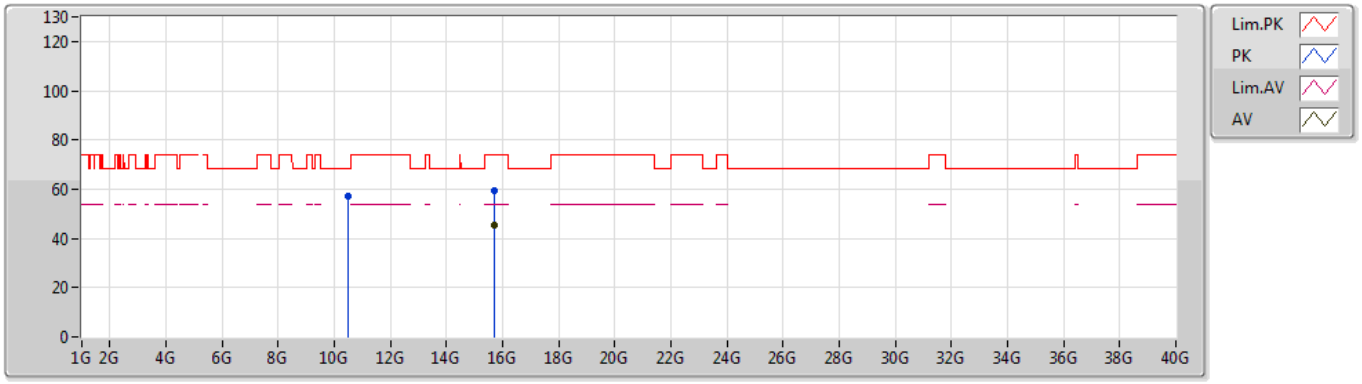
EUT Y_2TX
Setting 21
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.48768G	57.67	68.20	-10.53	14.59	3	Vertical	336	2.14	-	43.08
PK	15.70784G	64.96	74.00	-9.04	15.63	3	Vertical	1	1.51	-	49.33
AV	15.7192G	51.33	54.00	-2.67	15.60	3	Vertical	1	1.51	-	35.73

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

06/08/2019



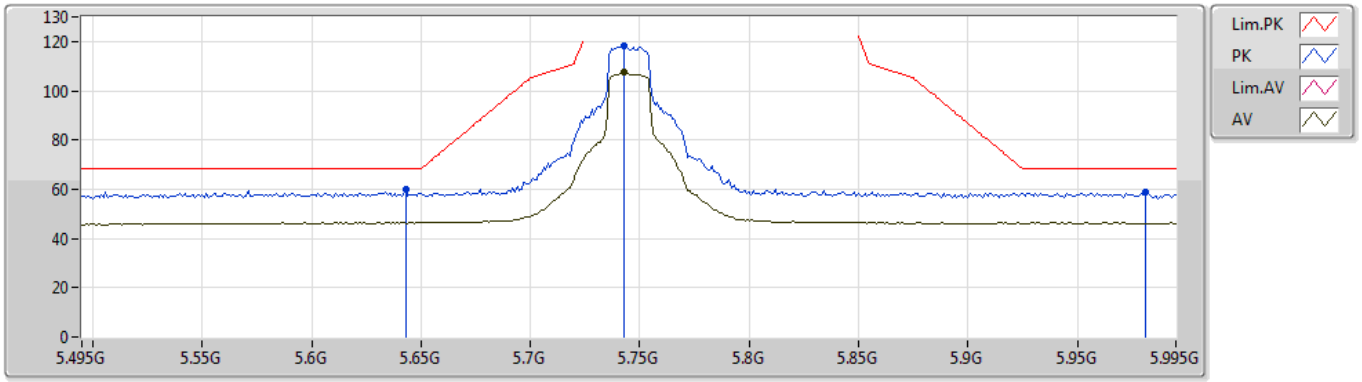
EUT Y_2TX
Setting 21
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.4752G	57.16	68.20	-11.04	14.59	3	Horizontal	305	2.20	-	42.57
PK	15.70752G	59.57	74.00	-14.43	15.63	3	Horizontal	354	1.43	-	43.94
AV	15.71344G	45.49	54.00	-8.51	15.62	3	Horizontal	354	1.43	-	29.87

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

06/08/2019



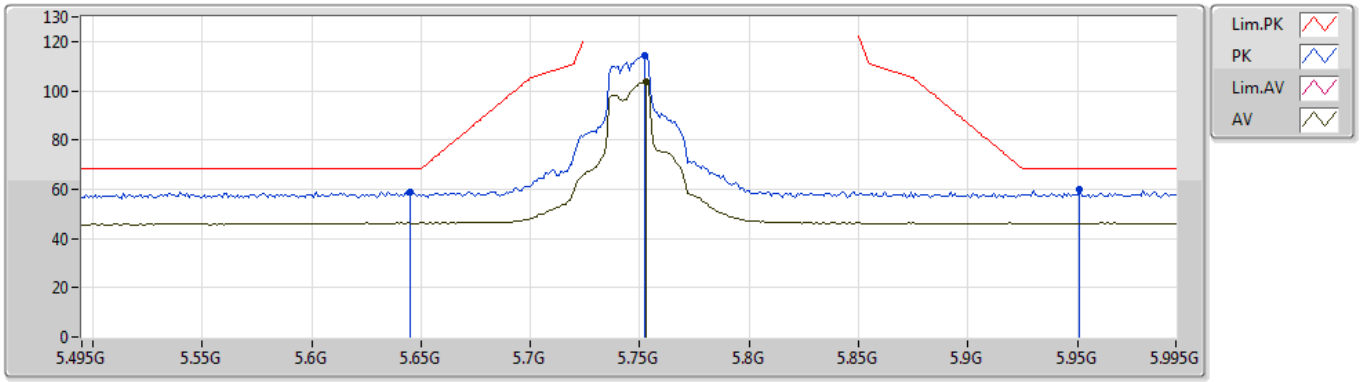
EUT Y_2TX
Setting 23
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.643G	59.99	68.20	-8.21	8.66	3	Vertical	272	1.27	-	51.33
PK	5.743G	118.13	Inf	-Inf	8.82	3	Vertical	272	1.27	-	109.31
AV	5.743G	107.37	Inf	-Inf	8.82	3	Vertical	272	1.27	-	98.55
PK	5.981G	58.59	68.20	-9.61	8.94	3	Vertical	272	1.27	-	49.65

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

06/08/2019



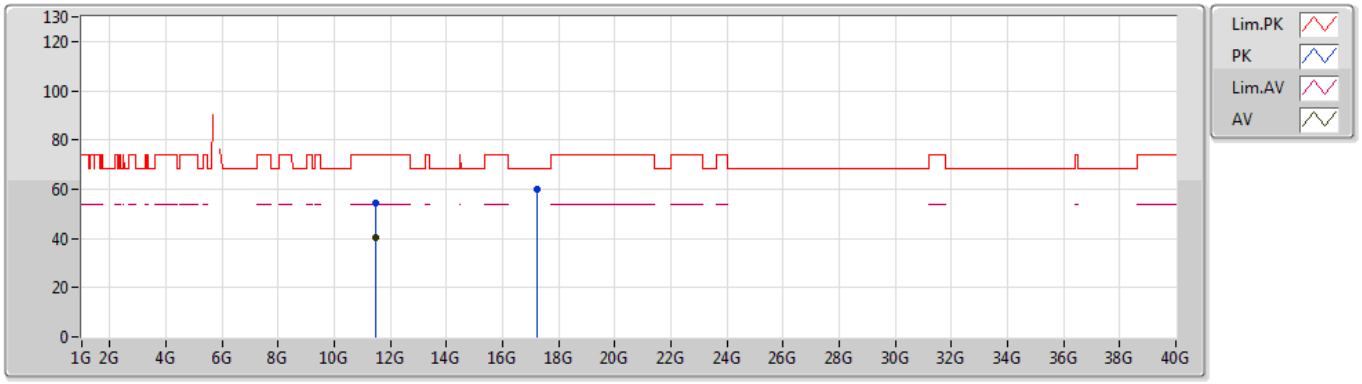
EUT Y_2TX
Setting 23
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.645G	58.93	68.20	-9.27	8.66	3	Horizontal	341	1.32	-	50.27
PK	5.752G	114.56	Inf	-Inf	8.83	3	Horizontal	341	1.32	-	105.73
AV	5.753G	103.75	Inf	-Inf	8.83	3	Horizontal	341	1.32	-	94.92
PK	5.951G	59.69	68.20	-8.51	8.92	3	Horizontal	341	1.32	-	50.77

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

06/08/2019



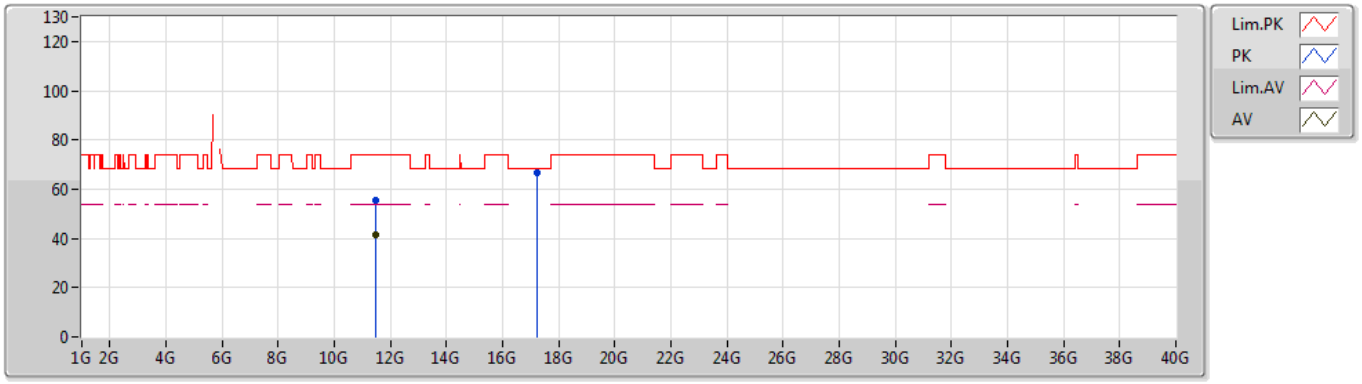
EUT Y_2TX
Setting 23
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.48954G	54.50	74.00	-19.50	14.89	3	Vertical	211	1.54	-	39.61
AV	11.48987G	40.49	54.00	-13.51	14.89	3	Vertical	211	1.54	-	25.60
PK	17.23588G	60.16	68.20	-8.04	20.72	3	Vertical	166	1.50	-	39.44

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

06/08/2019



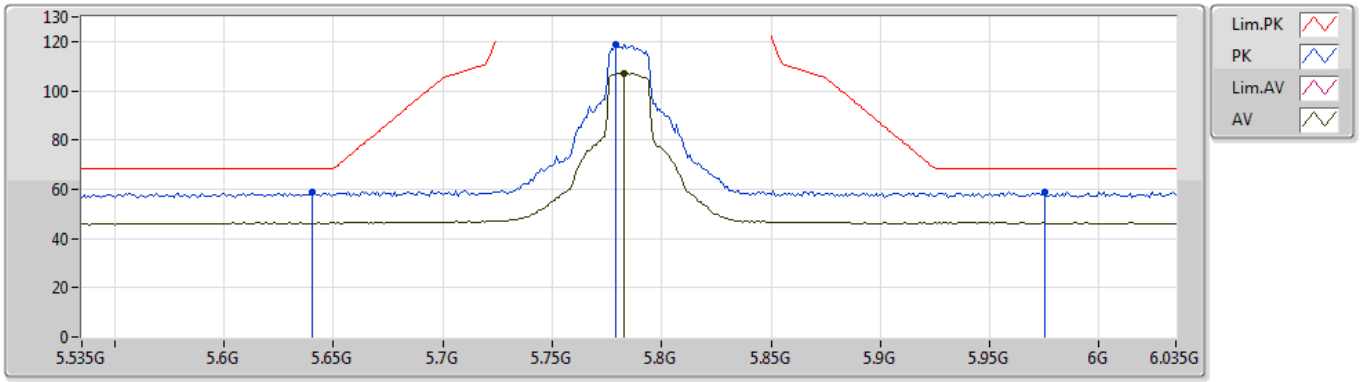
EUT Y_2TX
Setting 23
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.49068G	55.70	74.00	-18.30	14.89	3	Horizontal	126	2.06	-	40.81
AV	11.48983G	41.45	54.00	-12.55	14.89	3	Horizontal	126	2.06	-	26.56
PK	17.22364G	66.81	68.20	-1.39	20.65	3	Horizontal	272	1.83	-	46.16

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

06/08/2019



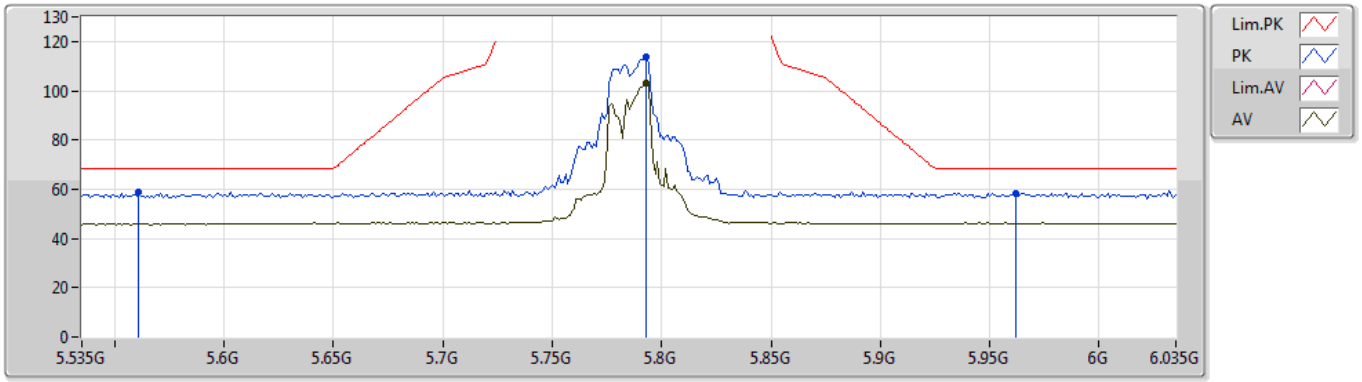
EUT Y_2TX
Setting 23
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.64G	58.63	68.20	-9.57	8.65	3	Vertical	265	1.04	-	49.98
PK	5.779G	119.06	Inf	-Inf	8.87	3	Vertical	265	1.04	-	110.19
AV	5.783G	107.17	Inf	-Inf	8.88	3	Vertical	265	1.04	-	98.29
PK	5.975G	58.81	68.20	-9.39	8.94	3	Vertical	265	1.04	-	49.87

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

06/08/2019



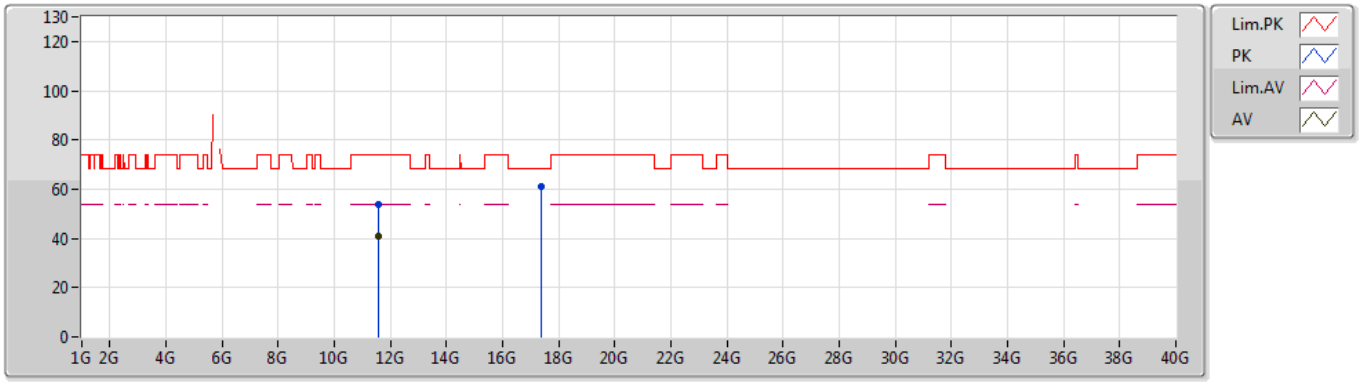
EUT Y_2TX
Setting 23
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.561G	58.88	68.20	-9.32	8.56	3	Horizontal	329	1.48	-	50.32
PK	5.793G	113.53	Inf	-Inf	8.89	3	Horizontal	329	1.48	-	104.64
AV	5.793G	103.17	Inf	-Inf	8.89	3	Horizontal	329	1.48	-	94.28
PK	5.962G	58.48	68.20	-9.72	8.93	3	Horizontal	329	1.48	-	49.55

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

06/08/2019



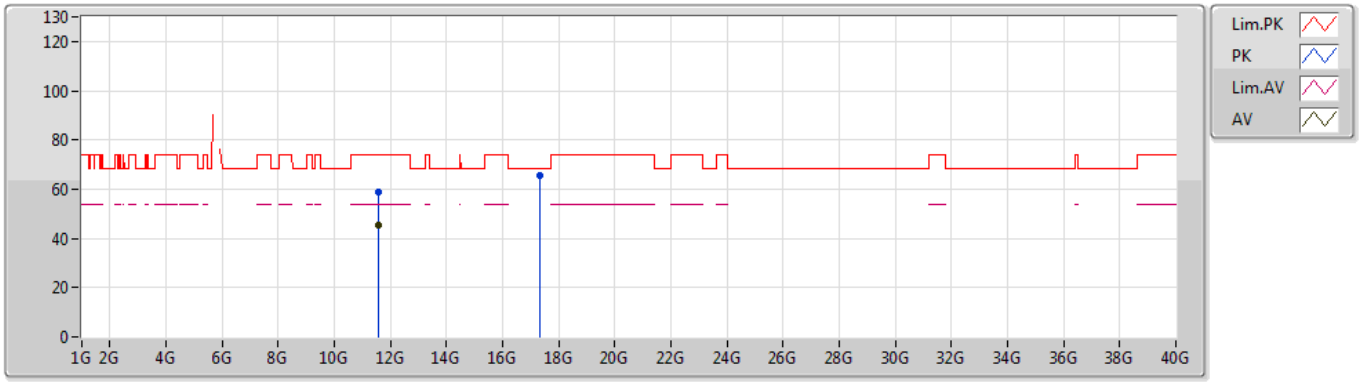
EUT Y_2TX
Setting 23
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5697G	53.89	74.00	-20.11	15.00	3	Vertical	173	1.56	-	38.89
AV	11.56938G	40.67	54.00	-13.33	15.00	3	Vertical	173	1.56	-	25.67
PK	17.35401G	61.24	68.20	-6.96	21.42	3	Vertical	211	1.81	-	39.82

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

06/08/2019



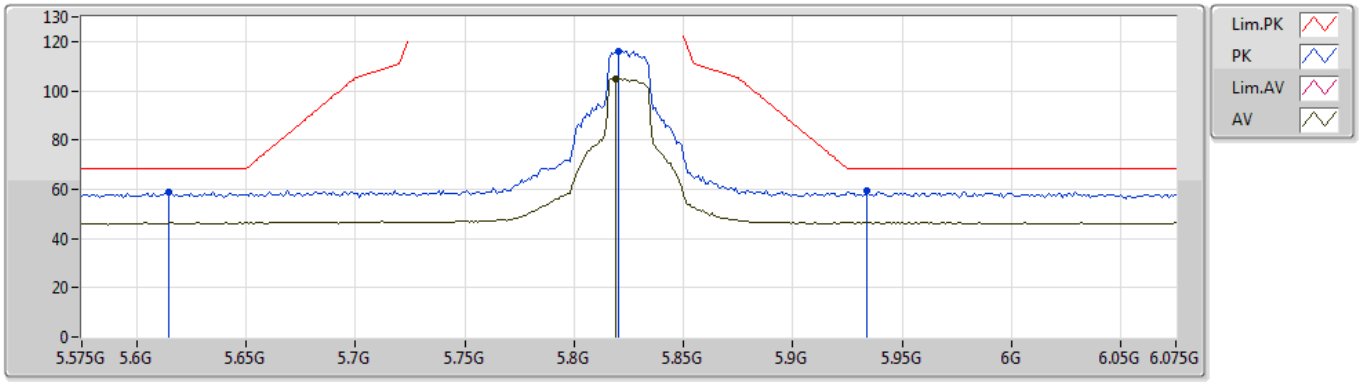
EUT Y_2TX
Setting 23
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.57G	58.83	74.00	-15.17	15.00	3	Horizontal	171	2.10	-	43.83
AV	11.5698G	45.18	54.00	-8.82	15.00	3	Horizontal	171	2.10	-	30.18
PK	17.3481G	65.34	68.20	-2.86	21.38	3	Horizontal	181	1.88	-	43.96

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

06/08/2019



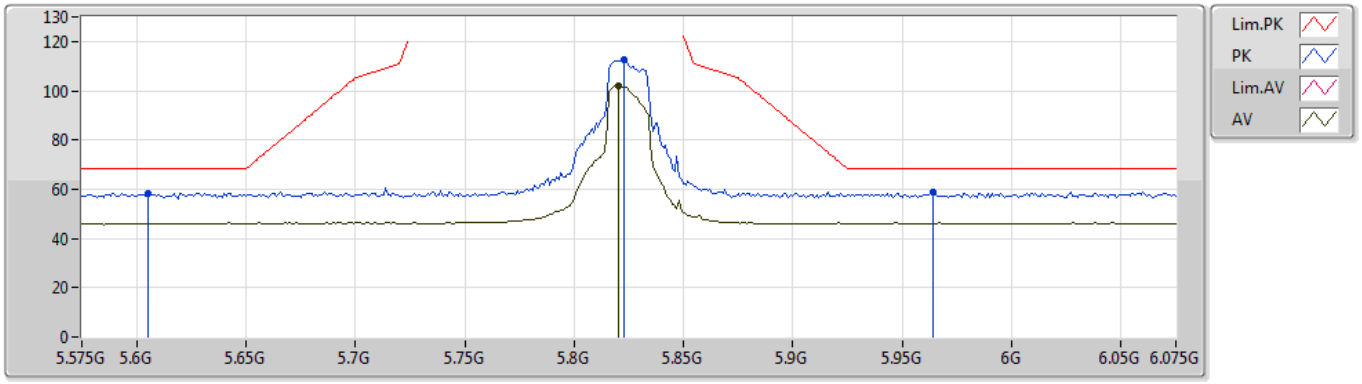
EUT Y_2TX
Setting 23
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.615G	58.78	68.20	-9.42	8.61	3	Vertical	249	2.75	-	50.17
PK	5.82G	116.12	Inf	-Inf	8.90	3	Vertical	249	2.75	-	107.22
AV	5.819G	104.94	Inf	-Inf	8.90	3	Vertical	249	2.75	-	96.04
PK	5.934G	59.20	68.20	-9.00	8.93	3	Vertical	249	2.75	-	50.27

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

06/08/2019



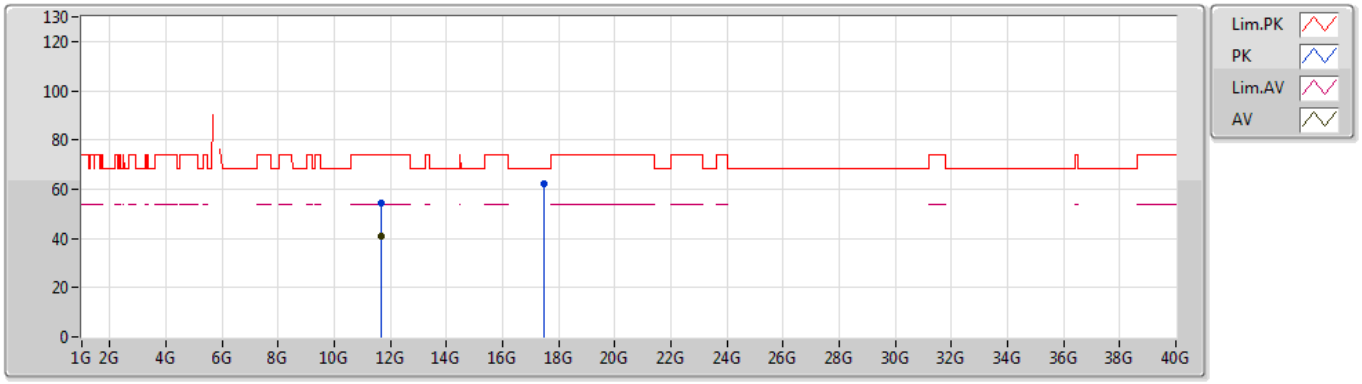
EUT Y_2TX
Setting 23
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.605G	58.36	68.20	-9.84	8.59	3	Horizontal	3	1.10	-	49.77
PK	5.823G	112.50	Inf	-Inf	8.90	3	Horizontal	3	1.10	-	103.60
AV	5.82G	102.14	Inf	-Inf	8.90	3	Horizontal	3	1.10	-	93.24
PK	5.964G	58.76	68.20	-9.44	8.93	3	Horizontal	3	1.10	-	49.83

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

06/08/2019



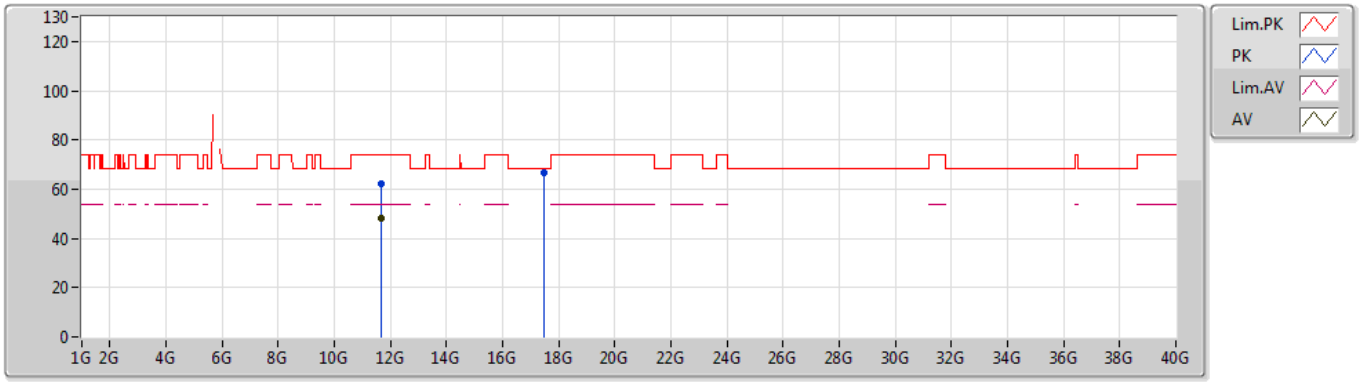
EUT Y_2TX
Setting 23
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.6497G	54.36	74.00	-19.64	15.09	3	Vertical	320	2.08	-	39.27
AV	11.65011G	40.72	54.00	-13.28	15.09	3	Vertical	320	2.08	-	25.63
PK	17.4747G	62.31	68.20	-5.89	22.13	3	Vertical	5	2.02	-	40.18

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

06/08/2019



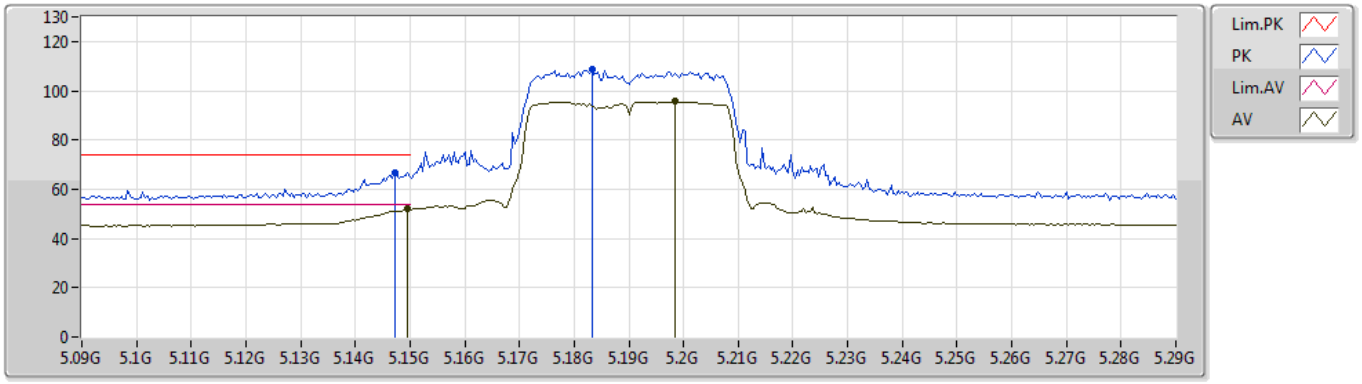
EUT Y_2TX
Setting 23
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.656G	61.94	74.00	-12.06	15.10	3	Horizontal	212	2.15	-	46.84
AV	11.6502G	48.22	54.00	-5.78	15.09	3	Horizontal	212	2.15	-	33.13
PK	17.4635G	66.46	68.20	-1.74	22.07	3	Horizontal	205	1.83	-	44.39

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

06/08/2019



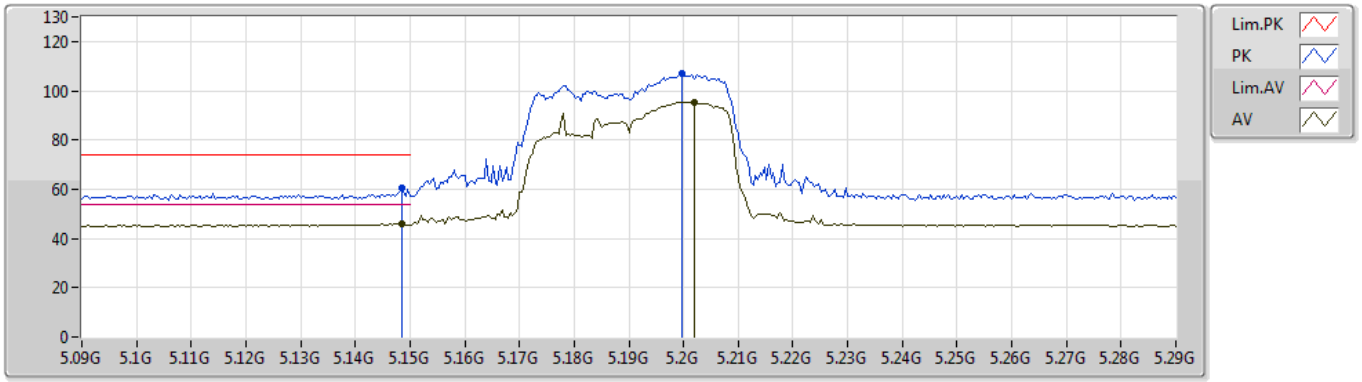
EUT Y_2TX
Setting 16
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1472G	66.94	74.00	-7.06	7.94	3	Vertical	118	2.00	-	59.00
AV	5.1496G	51.84	54.00	-2.16	7.94	3	Vertical	118	2.00	-	43.90
PK	5.1832G	108.68	Inf	-Inf	8.02	3	Vertical	118	2.00	-	100.66
AV	5.1984G	95.55	Inf	-Inf	8.06	3	Vertical	118	2.00	-	87.49

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

06/08/2019

5190MHz_TX



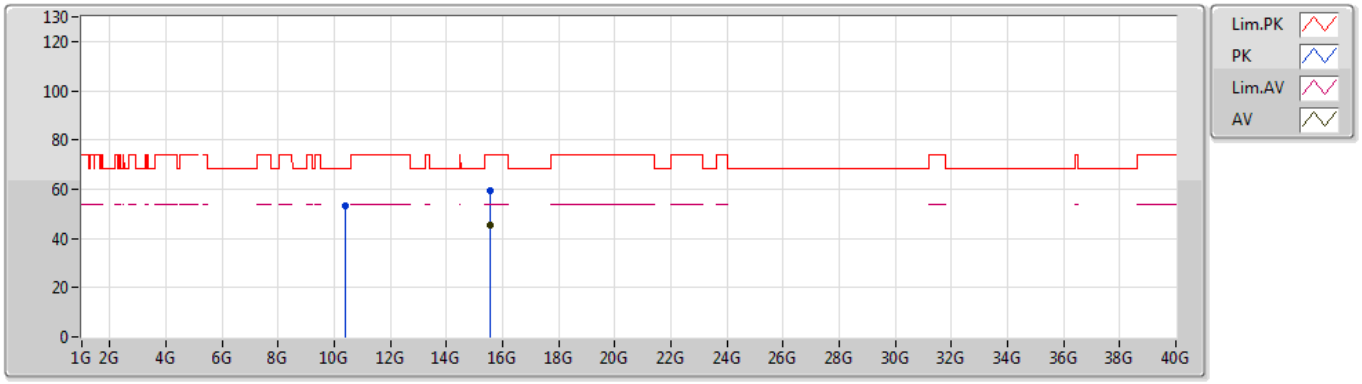
EUT Y_2TX
Setting 16
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1484G	60.55	74.00	-13.45	7.94	3	Horizontal	27	1.95	-	52.61
AV	5.1484G	45.93	54.00	-8.07	7.94	3	Horizontal	27	1.95	-	37.99
PK	5.1996G	106.84	Inf	-Inf	8.06	3	Horizontal	27	1.95	-	98.78
AV	5.202G	95.37	Inf	-Inf	8.06	3	Horizontal	27	1.95	-	87.31

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

06/08/2019



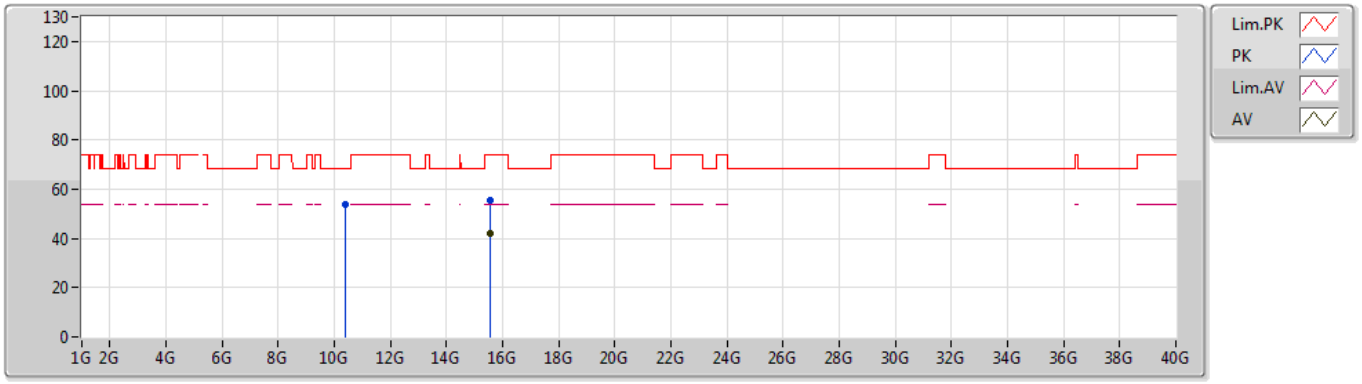
EUT Y_2TX
Setting 16
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.38037G	53.39	68.20	-14.81	14.64	3	Vertical	42	1.71	-	38.75
PK	15.53496G	59.62	74.00	-14.38	16.09	3	Vertical	359	2.79	-	43.53
AV	15.53992G	45.61	54.00	-8.39	16.07	3	Vertical	359	2.79	-	29.54

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

06/08/2019

5190MHz_TX



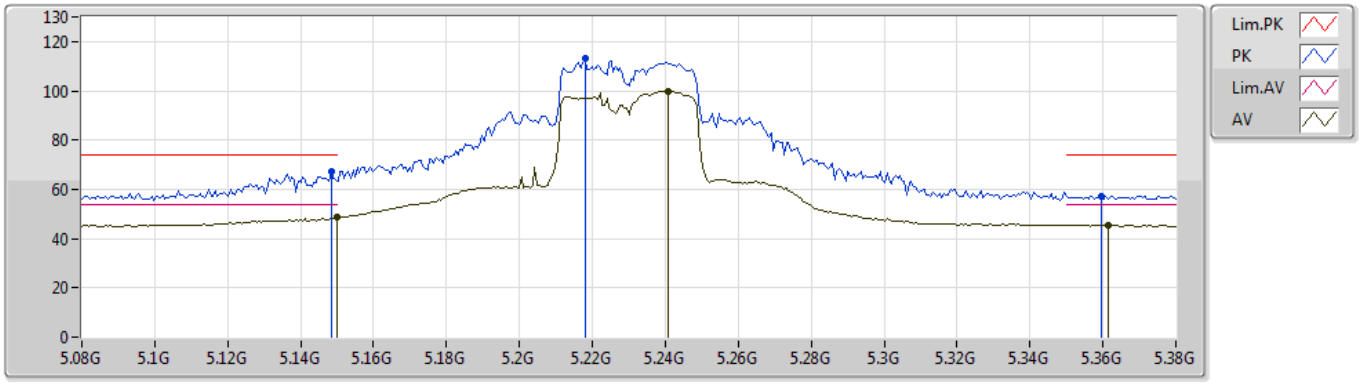
EUT Y_2TX
Setting 16
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.37998G	53.55	68.20	-14.65	14.64	3	Horizontal	85	1.45	-	38.91
PK	15.56808G	55.57	74.00	-18.43	16.00	3	Horizontal	122	1.52	-	39.57
AV	15.5516G	42.20	54.00	-11.80	16.04	3	Horizontal	122	1.52	-	26.16

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

06/08/2019



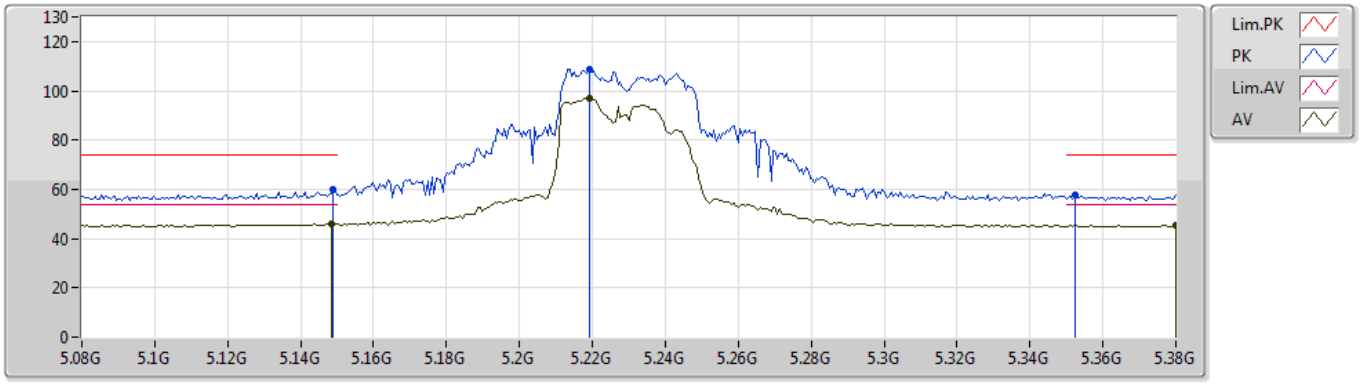
EUT Y_2TX
Setting 21
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1484G	67.28	74.00	-6.72	7.94	3	Vertical	94	1.97	-	59.34
AV	5.15G	48.61	54.00	-5.39	7.94	3	Vertical	94	1.97	-	40.67
PK	5.218G	113.44	Inf	-Inf	8.09	3	Vertical	94	1.97	-	105.35
AV	5.2408G	99.87	Inf	-Inf	8.12	3	Vertical	94	1.97	-	91.75
PK	5.3596G	57.27	74.00	-16.73	8.29	3	Vertical	94	1.97	-	48.98
AV	5.3614G	45.55	54.00	-8.45	8.29	3	Vertical	94	1.97	-	37.26

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

06/08/2019



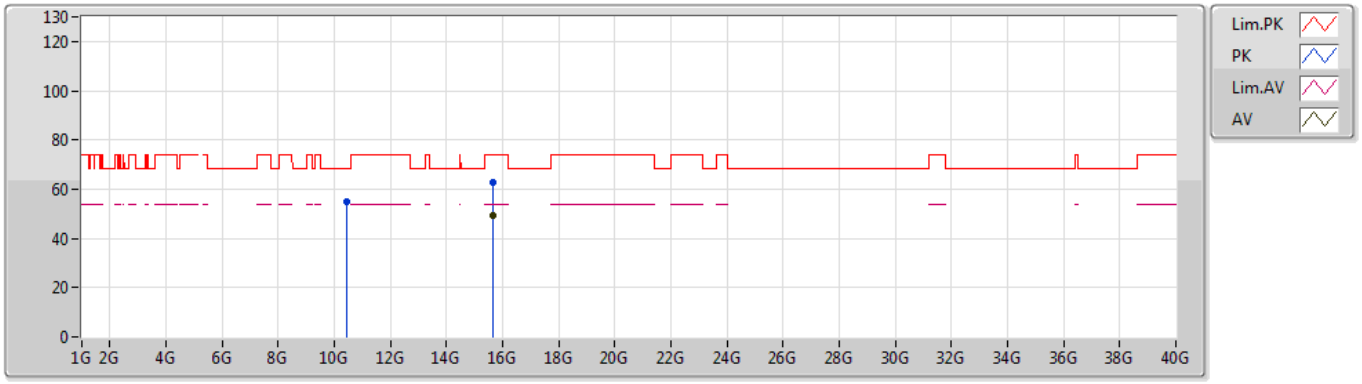
EUT Y_2TX
Setting 21
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.149G	59.87	74.00	-14.13	7.94	3	Horizontal	345	1.62	-	51.93
AV	5.1484G	45.82	54.00	-8.18	7.94	3	Horizontal	345	1.62	-	37.88
PK	5.2192G	108.87	Inf	-Inf	8.09	3	Horizontal	345	1.62	-	100.78
AV	5.2192G	97.05	Inf	-Inf	8.09	3	Horizontal	345	1.62	-	88.96
PK	5.3524G	57.86	74.00	-16.14	8.28	3	Horizontal	345	1.62	-	49.58
AV	5.38G	45.18	54.00	-8.82	8.32	3	Horizontal	345	1.62	-	36.86

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

06/08/2019



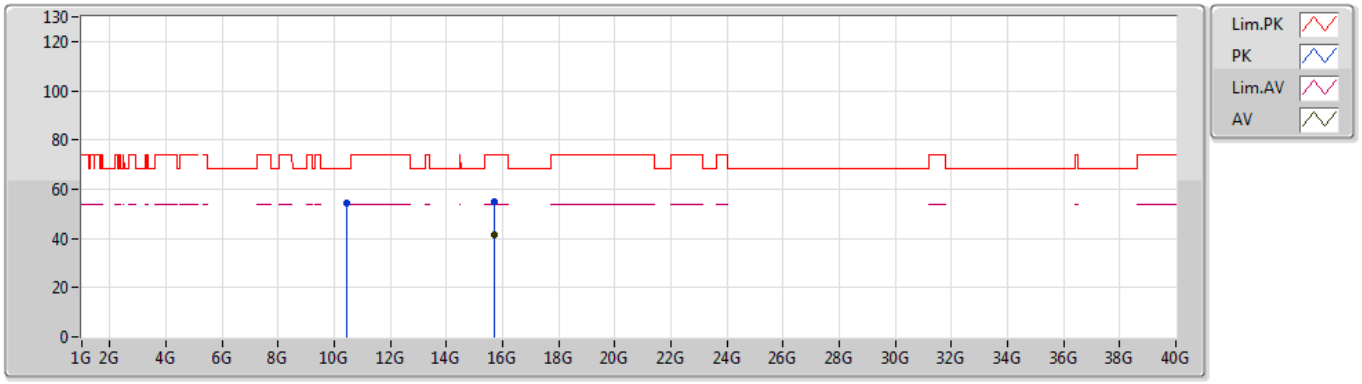
EUT Y_2TX
Setting 21
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.45994G	54.74	68.20	-13.46	14.60	3	Vertical	229	1.89	-	40.14
PK	15.6528G	62.67	74.00	-11.33	15.78	3	Vertical	346	1.46	-	46.89
AV	15.6684G	49.14	54.00	-4.86	15.73	3	Vertical	346	1.46	-	33.41

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

06/08/2019

5230MHz_TX



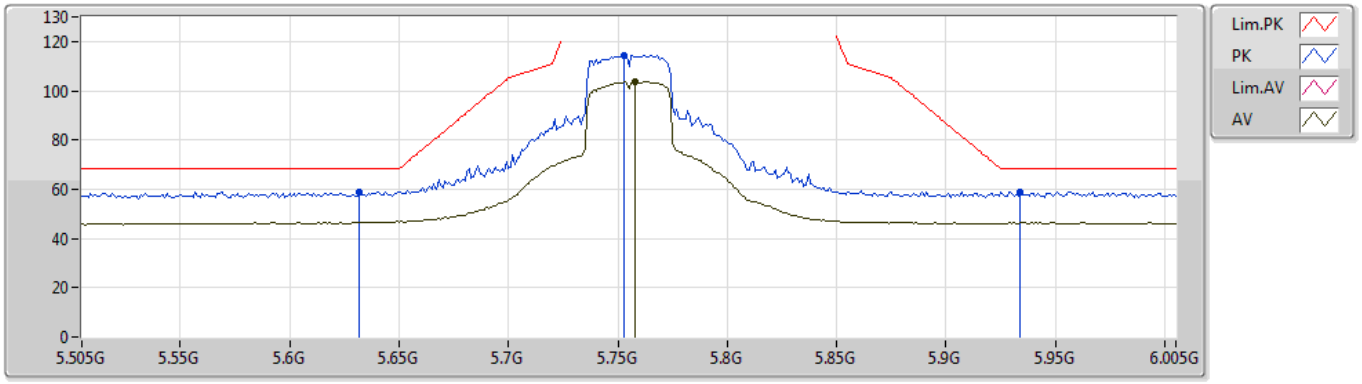
EUT Y_2TX
Setting 21
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.45918G	54.29	68.20	-13.91	14.60	3	Horizontal	309	1.70	-	39.69
PK	15.68936G	54.72	74.00	-19.28	15.68	3	Horizontal	221	1.64	-	39.04
AV	15.69049G	41.52	54.00	-12.48	15.68	3	Horizontal	221	1.64	-	25.84

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

06/08/2019



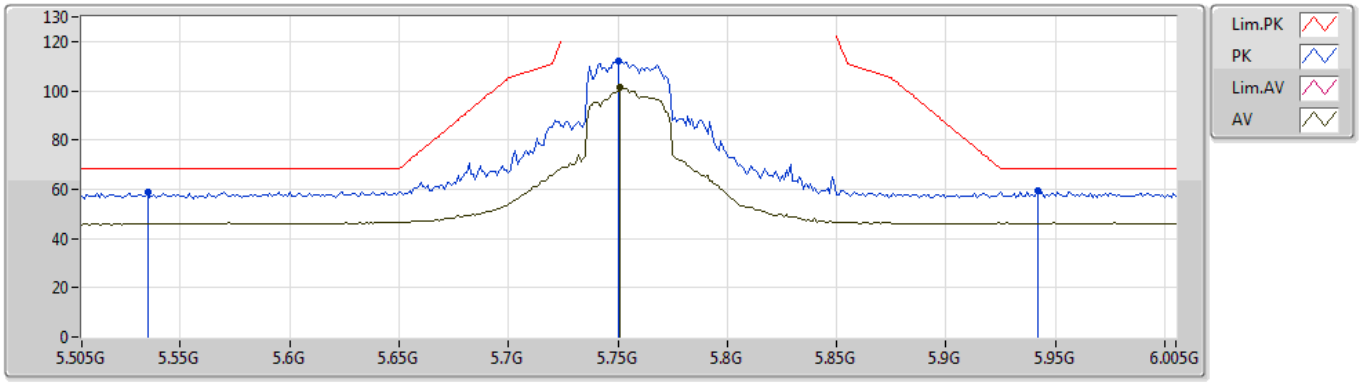
EUT Y_2TX
Setting 23
02-B-4-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.632G	58.95	68.20	-9.25	8.63	3	Vertical	289	1.24	-	50.32
PK	5.753G	114.58	Inf	-Inf	8.83	3	Vertical	289	1.24	-	105.75
AV	5.758G	103.62	Inf	-Inf	8.84	3	Vertical	289	1.24	-	94.78
PK	5.934G	58.98	68.20	-9.22	8.93	3	Vertical	289	1.24	-	50.05

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

06/08/2019



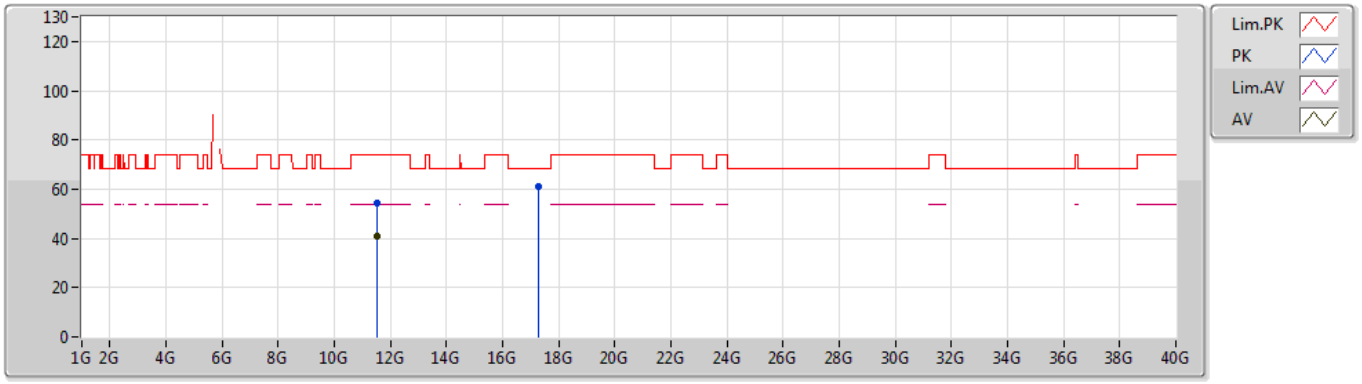
EUT Y_2TX
Setting 23
02-B-4-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.535G	58.90	68.20	-9.30	8.54	3	Horizontal	349	1.12	-	50.36
PK	5.75G	111.80	Inf	-Inf	8.83	3	Horizontal	349	1.12	-	102.97
AV	5.751G	101.16	Inf	-Inf	8.83	3	Horizontal	349	1.12	-	92.33
PK	5.942G	59.34	68.20	-8.86	8.94	3	Horizontal	349	1.12	-	50.40

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

06/08/2019



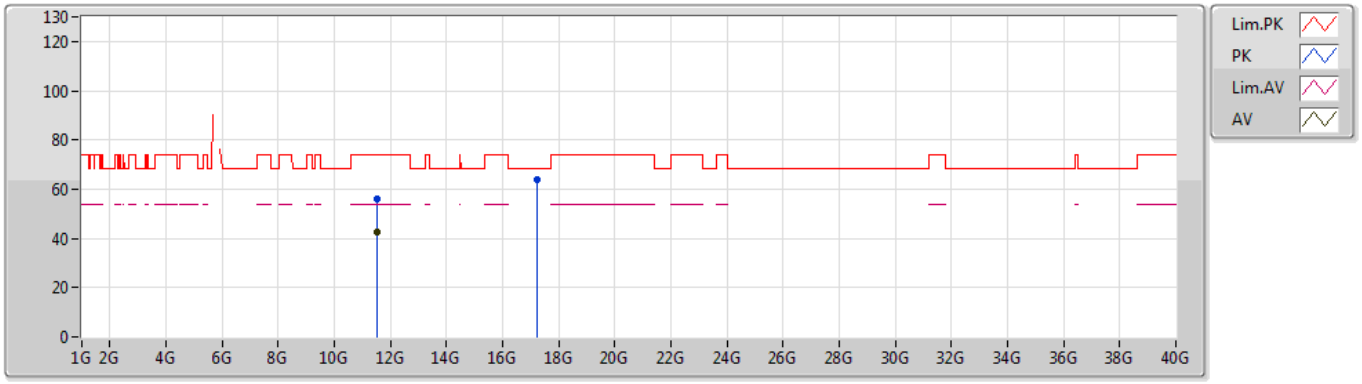
EUT Y_2TX
Setting 23
02-B-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.50736G	54.17	74.00	-19.83	14.92	3	Vertical	60	2.79	-	39.25
AV	11.5068G	40.75	54.00	-13.25	14.92	3	Vertical	60	2.79	-	25.83
PK	17.2646G	60.82	68.20	-7.38	20.88	3	Vertical	154	1.55	-	39.94

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

06/08/2019



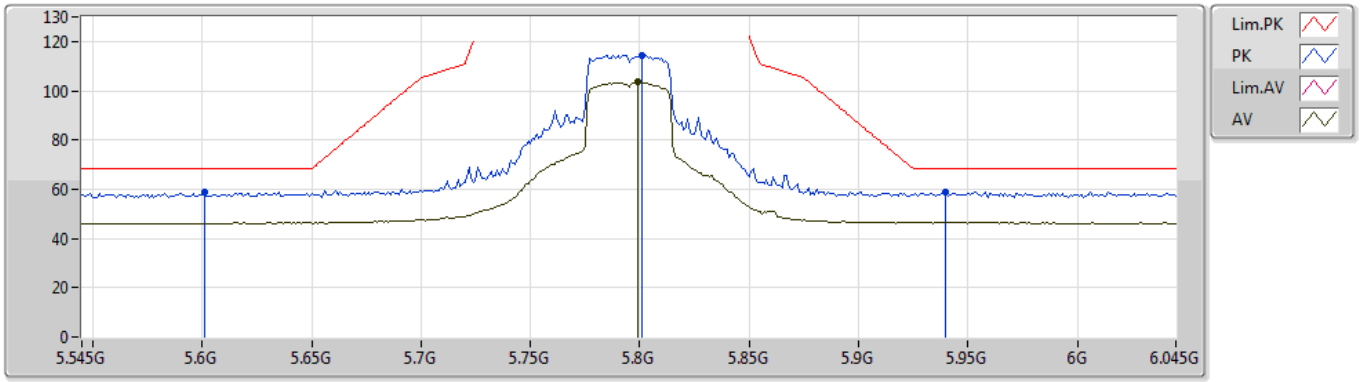
EUT Y_2TX
Setting 23
02-B-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5171G	55.83	74.00	-18.17	14.92	3	Horizontal	312	2.17	-	40.91
AV	11.5118G	42.56	54.00	-11.44	14.92	3	Horizontal	312	2.17	-	27.64
PK	17.2411G	63.80	68.20	-4.40	20.75	3	Horizontal	211	1.86	-	43.05

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

06/08/2019



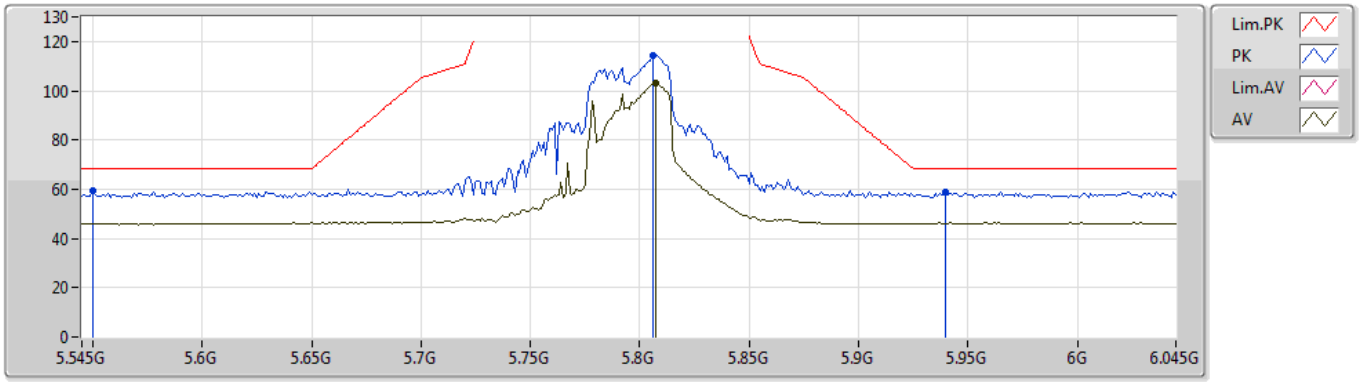
EUT Y_2TX
Setting 23
02-B-4-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.601G	59.02	68.20	-9.18	8.58	3	Vertical	269	1.25	-	50.44
PK	5.801G	114.55	Inf	-Inf	8.90	3	Vertical	269	1.25	-	105.65
AV	5.799G	103.39	Inf	-Inf	8.90	3	Vertical	269	1.25	-	94.49
PK	5.94G	58.91	68.20	-9.29	8.93	3	Vertical	269	1.25	-	49.98

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

06/08/2019



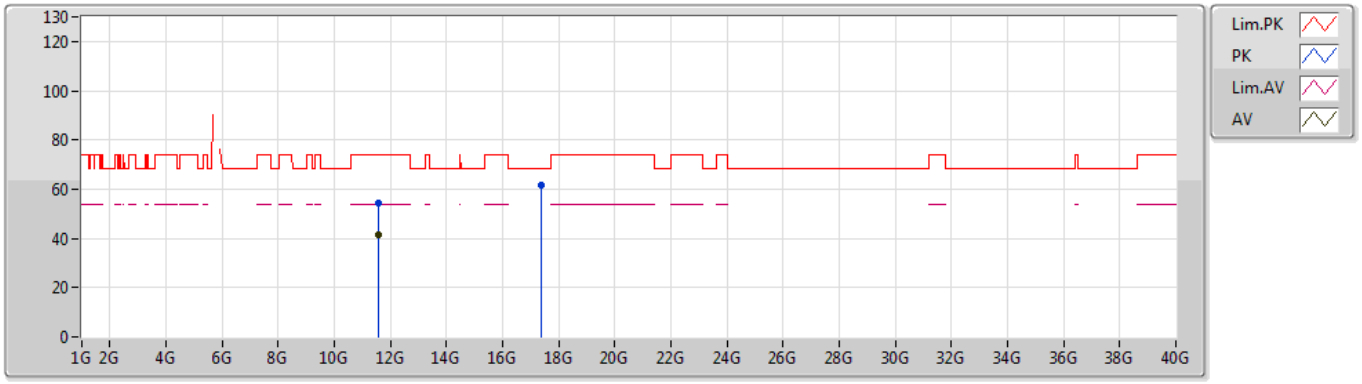
EUT Y_2TX
Setting 23
02-B-4-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.55G	59.28	68.20	-8.92	8.54	3	Horizontal	355	1.13	-	50.74
PK	5.806G	114.27	Inf	-Inf	8.90	3	Horizontal	355	1.13	-	105.37
AV	5.807G	103.03	Inf	-Inf	8.90	3	Horizontal	355	1.13	-	94.13
PK	5.94G	58.90	68.20	-9.30	8.93	3	Horizontal	355	1.13	-	49.97

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

06/08/2019



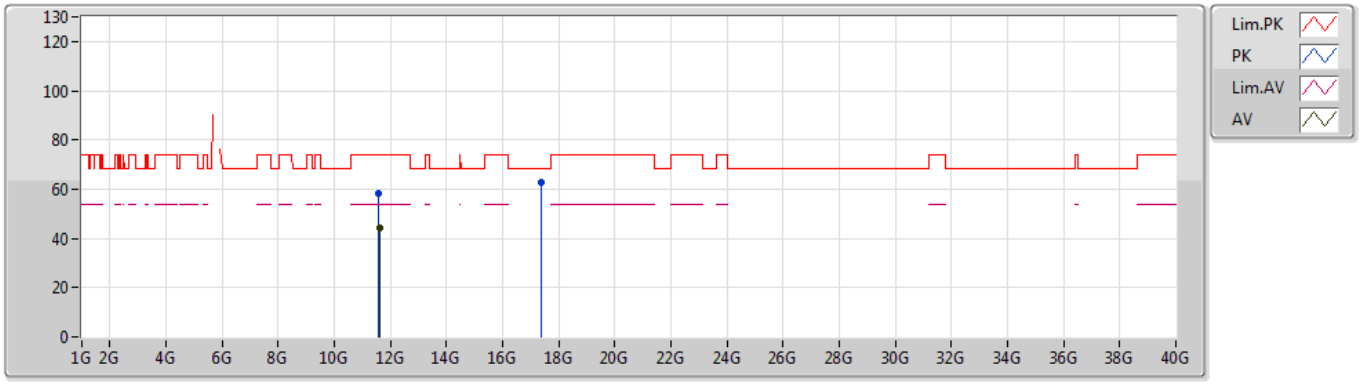
EUT Y_2TX
Setting 23
02-B-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.594G	54.45	74.00	-19.55	15.03	3	Vertical	247	1.64	-	39.42
AV	11.59776G	41.23	54.00	-12.77	15.04	3	Vertical	247	1.64	-	26.19
PK	17.38588G	61.53	68.20	-6.67	21.61	3	Vertical	338	1.64	-	39.92

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

06/08/2019



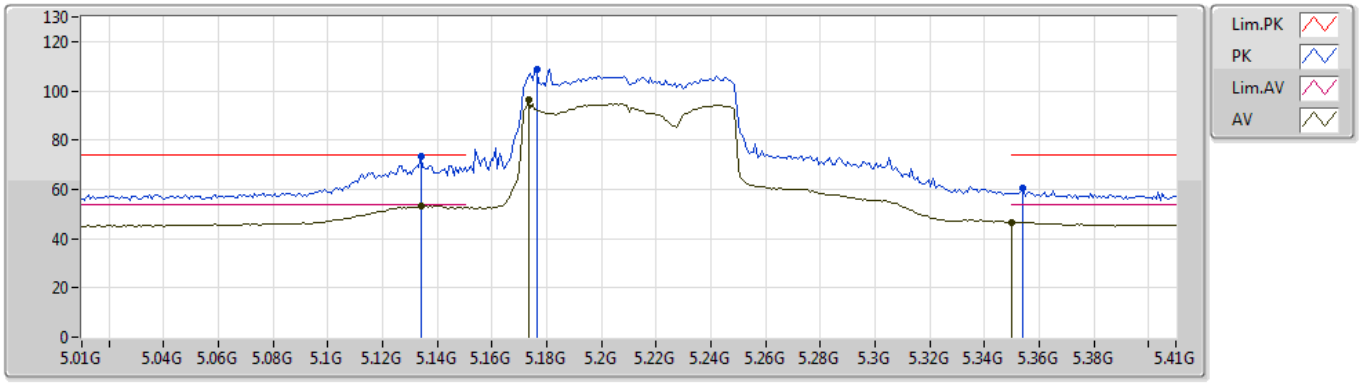
EUT Y_2TX
Setting 23
02-B-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.59632G	58.19	74.00	-15.81	15.04	3	Horizontal	318	2.15	-	43.15
AV	11.60144G	44.31	54.00	-9.69	15.04	3	Horizontal	318	2.15	-	29.27
PK	17.39204G	62.61	68.20	-5.59	21.64	3	Horizontal	286	2.48	-	40.97

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

06/08/2019



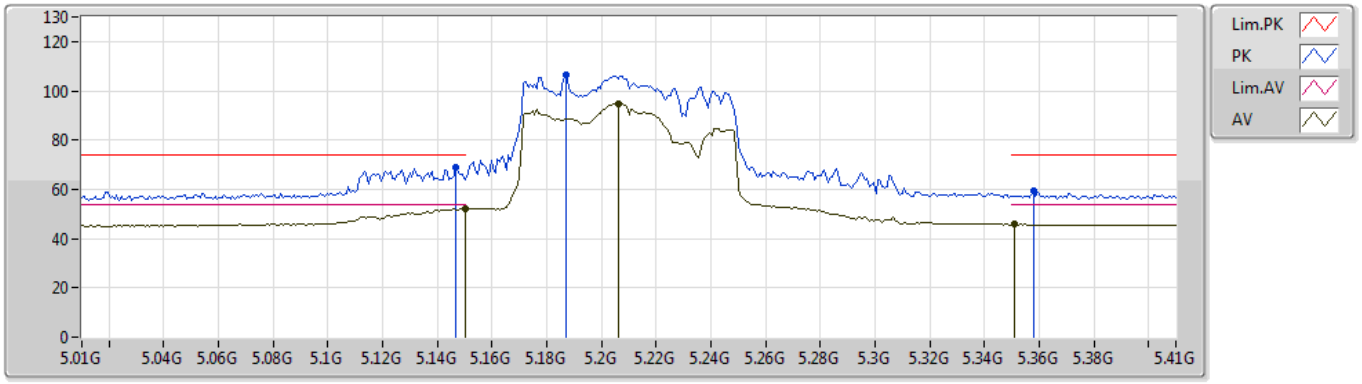
EUT Y_2TX
Setting 16
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.134G	73.47	74.00	-0.53	7.92	3	Vertical	102	1.98	-	65.55
AV	5.134G	53.25	54.00	-0.75	7.92	3	Vertical	102	1.98	-	45.33
PK	5.1764G	108.90	Inf	-Inf	8.01	3	Vertical	102	1.98	-	100.89
AV	5.1732G	96.21	Inf	-Inf	8.00	3	Vertical	102	1.98	-	88.21
PK	5.354G	60.52	74.00	-13.48	8.28	3	Vertical	102	1.98	-	52.24
AV	5.35G	46.60	54.00	-7.40	8.28	3	Vertical	102	1.98	-	38.32

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

06/08/2019



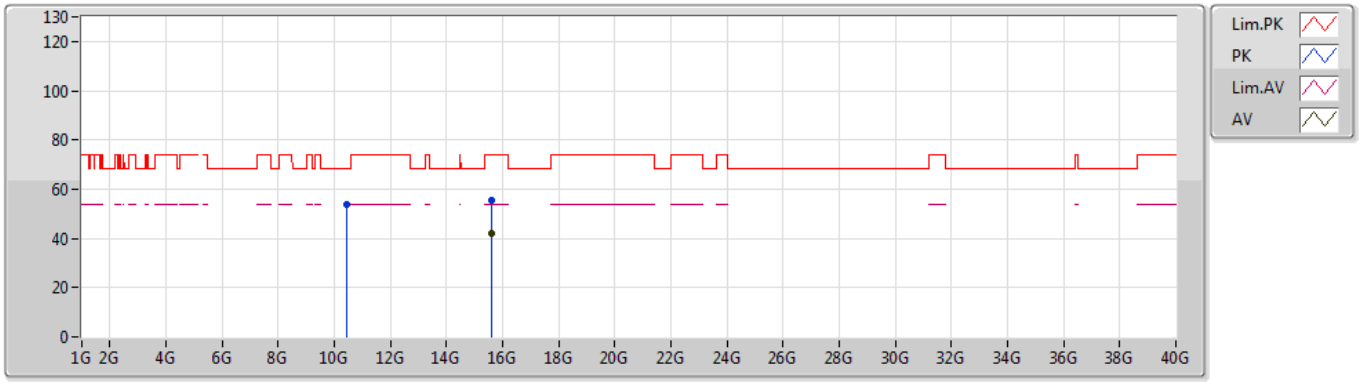
EUT Y_2TX
Setting 16
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1468G	68.93	74.00	-5.07	7.94	3	Horizontal	4	1.57	-	60.99
AV	5.15G	52.01	54.00	-1.99	7.94	3	Horizontal	4	1.57	-	44.07
PK	5.1868G	106.26	Inf	-Inf	8.04	3	Horizontal	4	1.57	-	98.22
AV	5.206G	94.91	Inf	-Inf	8.07	3	Horizontal	4	1.57	-	86.84
PK	5.358G	59.30	74.00	-14.70	8.28	3	Horizontal	4	1.57	-	51.02
AV	5.3508G	45.83	54.00	-8.17	8.28	3	Horizontal	4	1.57	-	37.55

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

06/08/2019



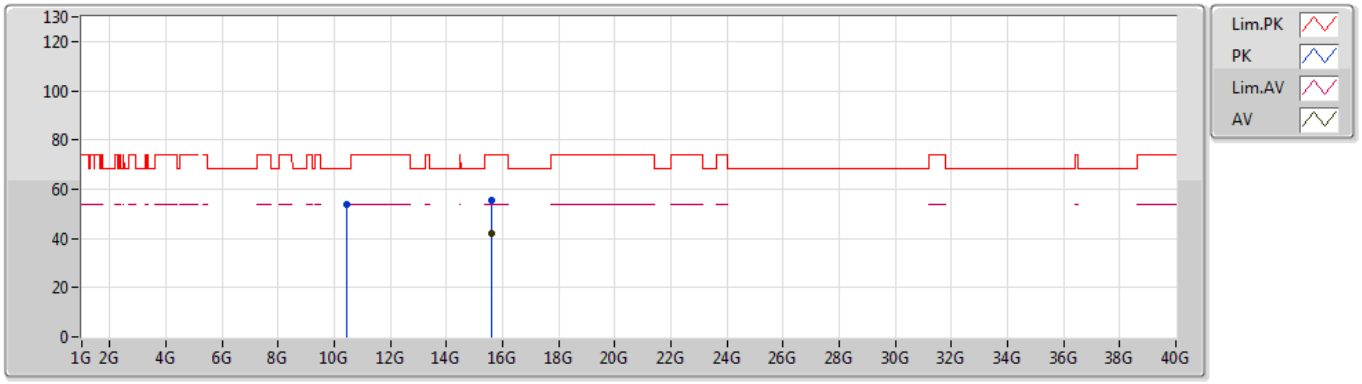
EUT Y_2TX
Setting 16
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.41997G	53.70	68.20	-14.50	14.63	3	Vertical	144	1.66	-	39.07
PK	15.6307G	55.60	74.00	-18.40	15.83	3	Vertical	79	1.20	-	39.77
AV	15.63024G	41.92	54.00	-12.08	15.83	3	Vertical	79	1.20	-	26.09

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

06/08/2019



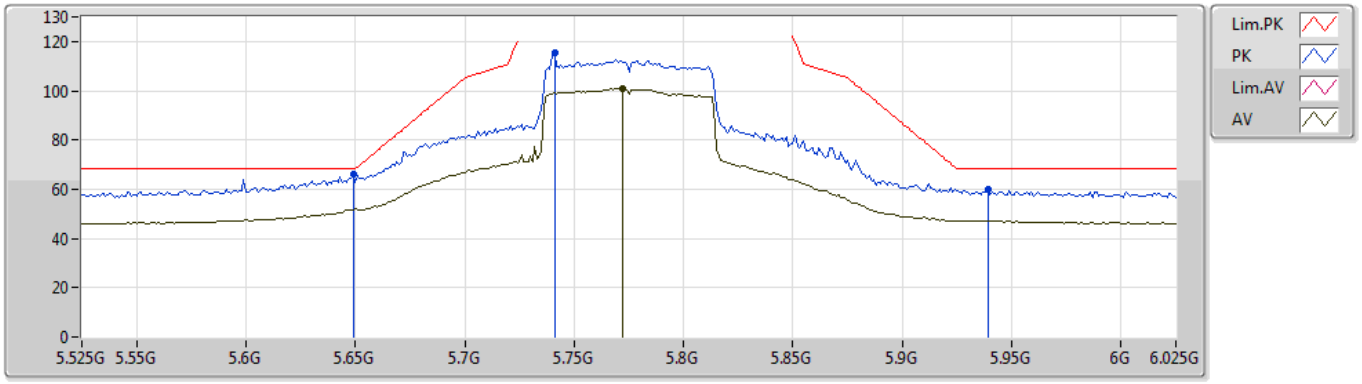
EUT Y_2TX
Setting 16
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.41913G	53.85	68.20	-14.35	14.63	3	Horizontal	77	1.89	-	39.22
PK	15.63016G	55.62	74.00	-18.38	15.83	3	Horizontal	248	1.37	-	39.79
AV	15.63057G	41.91	54.00	-12.09	15.83	3	Horizontal	248	1.37	-	26.08

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

06/08/2019



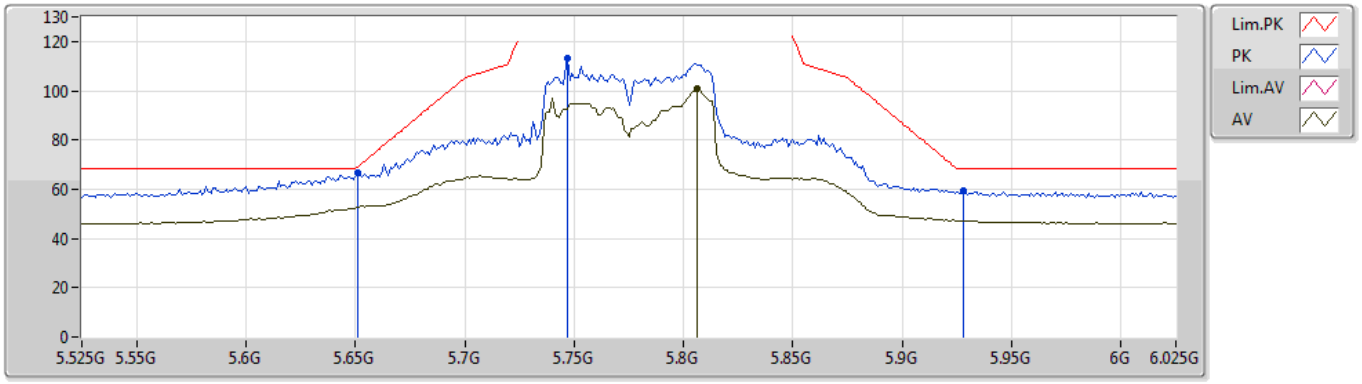
EUT Y_2TX
Setting 23
02-B-4-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.649G	66.11	68.20	-2.09	8.67	3	Vertical	264	1.03	-	57.44
PK	5.741G	115.69	Inf	-Inf	8.80	3	Vertical	264	1.03	-	106.89
AV	5.772G	100.78	Inf	-Inf	8.85	3	Vertical	264	1.03	-	91.93
PK	5.939G	60.00	68.20	-8.20	8.93	3	Vertical	264	1.03	-	51.07

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

06/08/2019



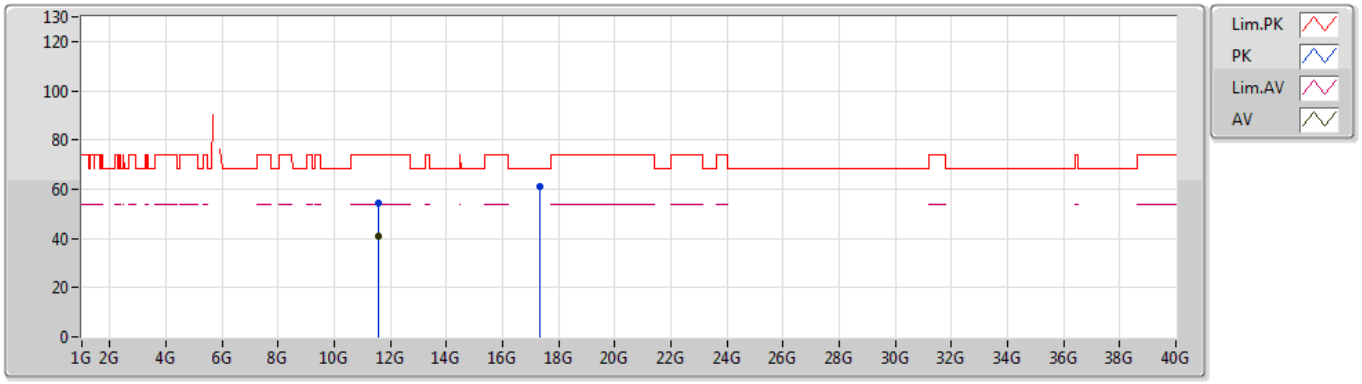
EUT Y_2TX
Setting 23
02-B-4-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.651G	66.88	68.94	-2.06	8.66	3	Horizontal	352	1.12	-	58.22
PK	5.747G	113.32	Inf	-Inf	8.82	3	Horizontal	352	1.12	-	104.50
AV	5.806G	100.62	Inf	-Inf	8.90	3	Horizontal	352	1.12	-	91.72
PK	5.928G	59.22	68.20	-8.98	8.93	3	Horizontal	352	1.12	-	50.29

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

06/08/2019



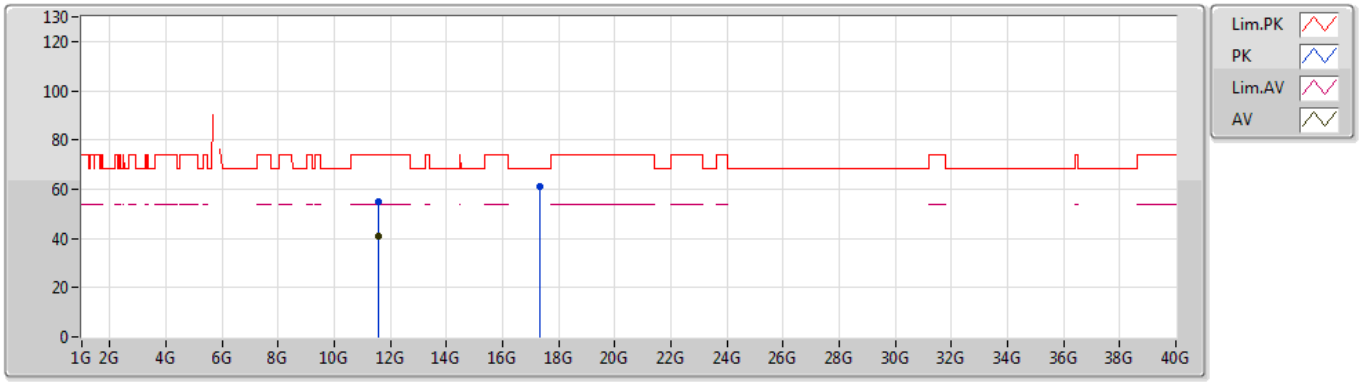
EUT Y_2TX
Setting 23
02-B-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.55648G	54.20	74.00	-19.80	14.98	3	Vertical	49	2.80	-	39.22
AV	11.56616G	40.71	54.00	-13.29	14.99	3	Vertical	49	2.80	-	25.72
PK	17.32828G	60.90	68.20	-7.30	21.26	3	Vertical	315	2.25	-	39.64

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

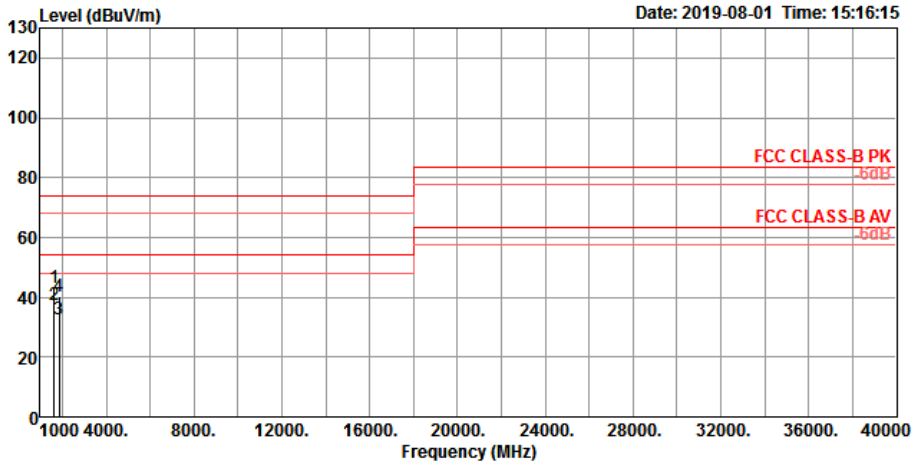
06/08/2019



EUT Y_2TX
Setting 23
02-B-4
FSU(100015)

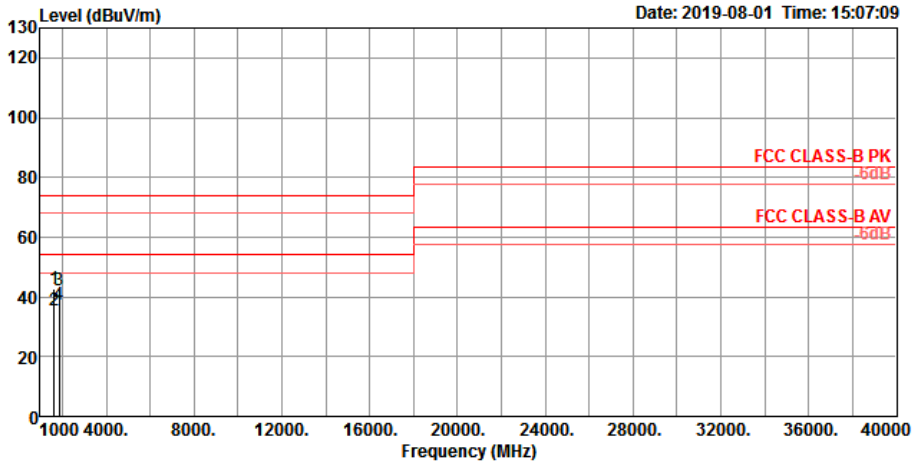
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.55344G	54.69	74.00	-19.31	14.97	3	Horizontal	250	2.51	-	39.72
AV	11.55664G	40.80	54.00	-13.20	14.99	3	Horizontal	250	2.51	-	25.81
PK	17.32572G	60.92	68.20	-7.28	21.25	3	Horizontal	319	1.81	-	39.67

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	1624.78	43.23	74.00	-30.77	51.12	2.32	25.40	35.61	150	187	Peak	HORIZONTAL
2	1624.97	37.61	54.00	-16.39	45.50	2.32	25.40	35.61	150	187	Average	HORIZONTAL
3	1874.99	32.48	54.00	-21.52	39.05	2.51	26.22	35.30	100	201	Average	HORIZONTAL
4	1875.05	40.07	74.00	-33.93	46.64	2.51	26.22	35.30	100	201	Peak	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	1624.92	42.68	74.00	-31.32	50.57	2.32	25.40	35.61	200	177	Peak	VERTICAL
2	1625.04	35.41	54.00	-18.59	43.30	2.32	25.40	35.61	200	177	Average	VERTICAL
3	1874.84	42.30	74.00	-31.70	48.87	2.51	26.22	35.30	166	158	Peak	VERTICAL
4	1874.99	37.46	54.00	-16.54	44.03	2.51	26.22	35.30	166	158	Average	VERTICAL