TAF Testing Laboratory 1190

FCC RADIO TEST REPORT

FCC ID	:	TV7CB5A60
Equipment	:	CubeG-5ac60ad
Brand Name	:	MikroTik
Model Name	:	CubeG-5ac60ad-US
Applicant	:	Mikrotikls SIA Brivibas gatve 214i, Riga, LV-1039 Latvia
Manufacturer	:	MIKROTIKLS SIA Brivibas gatve 214i, Riga, LV-1039 Latvia
Standard	:	47 CFR FCC Part 15.407

The product was received on Dec. 03, 2019, and testing was started from Jan. 06, 2020 and completed on Mar. 03, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The 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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Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR9D0404AA	01	Initial issue of report	May 25, 2020

Summary of Test Result

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

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	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	1TX
5.15-5.25GHz	802.11n HT20	20	1TX
5.15-5.25GHz	802.11ac VHT20	20	1TX
5.15-5.25GHz	802.11n HT40	40	1TX
5.15-5.25GHz	802.11ac VHT40	40	1TX
5.15-5.25GHz	802.11ac VHT80	80	1TX
5.725-5.85GHz	802.11a	20	1TX
5.725-5.85GHz	802.11n HT20	20	1TX
5.725-5.85GHz	802.11ac VHT20	20	1TX
5.725-5.85GHz	802.11n HT40	40	1TX
5.725-5.85GHz	802.11ac VHT40	40	1TX
5.725-5.85GHz	802.11ac VHT80	80	1TX

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

For WLAN 5GHz:

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	MikroTik	GubeG-5ac	Onboard PCB antenna	I-PEX	12

Note1: For WLAN function (1TX, 1RX):

Only port 1 can be used as transmitting/receiving functions.

The device connects a additional cable for testing.

The cable loss is 1dB. The measurement gain is 11dBi.

For 60GHz:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Mikrotik	60G-phased-array	Dish Antenna	N/A	30

Note2: For 60GHz function (1TX, 1RX):

The EUT has two antennas. One is WLAN antenna and the other is 60GHz antenna.

Note3: The above information was declared by manufacturer.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.944	0.25	2.075m	1k
802.11ac VHT20	0.963	0.16	1.941m	1k
802.11ac VHT40	0.895	0.48	957.5u	3k
802.11ac VHT80	0.834	0.79	467.5u	3k

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE with Power Adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☐	Indoor P2M
	☒	Fixed P2P	☐	Client
Test Software Version	WinBox v3.15			

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01r01
- FCC KDB 414788 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	Paul Chen	20.6~21.2°C / 58~60%	Feb. 27, 2020
Radiated	03CH05-CB	KJ Chang	20.3~21.1°C / 57~62%	Jan. 06, 2020~Mar. 03, 2020
AC Conduction	CO01-CB	Peter Wu	22~23°C / 57~58%	Feb. 06, 2020

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

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
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	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	16
5200MHz	16
5240MHz	16
5745MHz	16
5785MHz	16
5825MHz	16
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	16
5200MHz	16
5240MHz	16
5745MHz	16
5785MHz	16
5825MHz	16
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	14
5230MHz	16
5755MHz	16
5795MHz	16
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	14
5775MHz	16

Note:
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.

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	CTX
1	EUT + 60GHz
2	EUT + 5GHz
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	EUT + 60GHz
2	EUT + 5GHz
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 5GHz + 60GHz
Refer to Sporton Test Report No.: FA9D0404 for Co-location RF Exposure Evaluation.	

Note: The EUT can only use Y axis position.

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	CULL POWER	SAW30-240-0800U A	INPUT: 100-240V, 50/60Hz 0.8A OUTPUT: 24V, 800mA
PoE	MikroTiK	RBGPOE	INPUT 18-57V

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E6430	N/A
B	Earphone	SHYARO CHI	MIC-04	N/A
C	Mouse	HP	FM100	N/A

For Radiated:

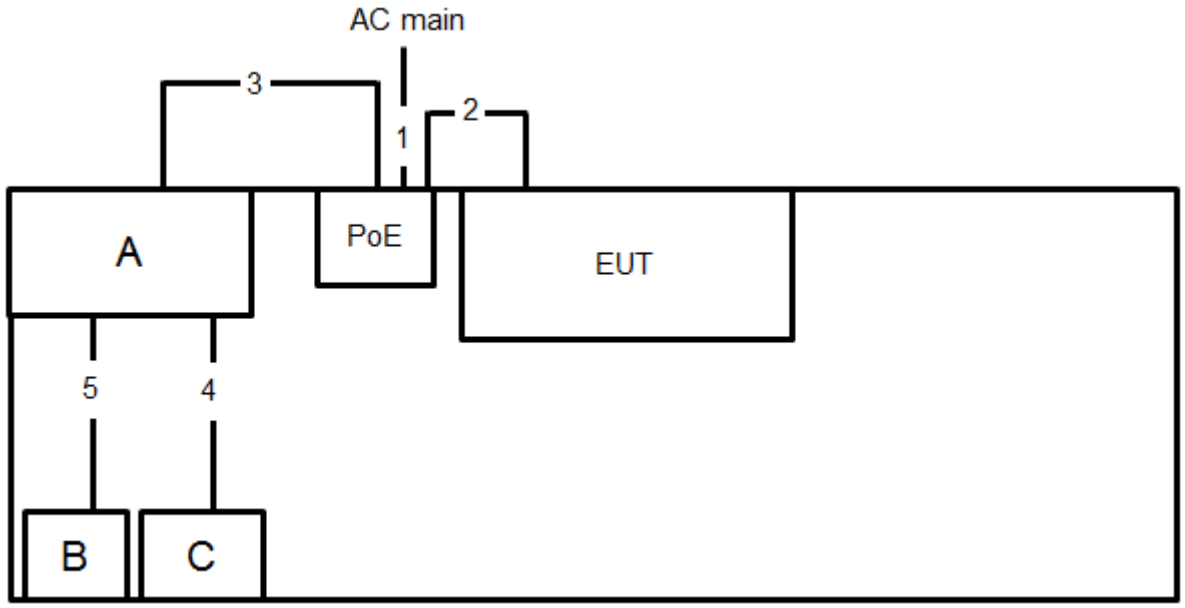
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

For RF Conducted:

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

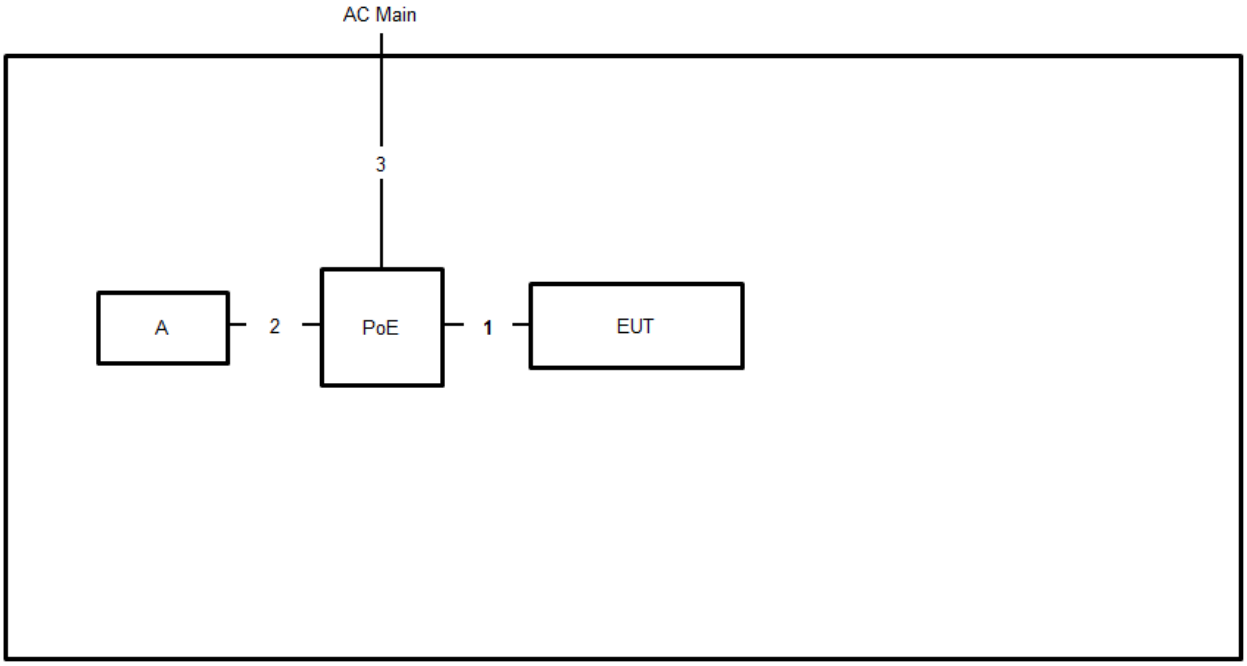
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	Yes	1m
3	RJ-45 cable	Yes	0.2m
4	USB cable	Yes	1.8m
5	Audio cable	No	1.8m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	RJ-45 cable	Yes	1m
2	RJ-45 cable	Yes	0.2m
3	Power 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

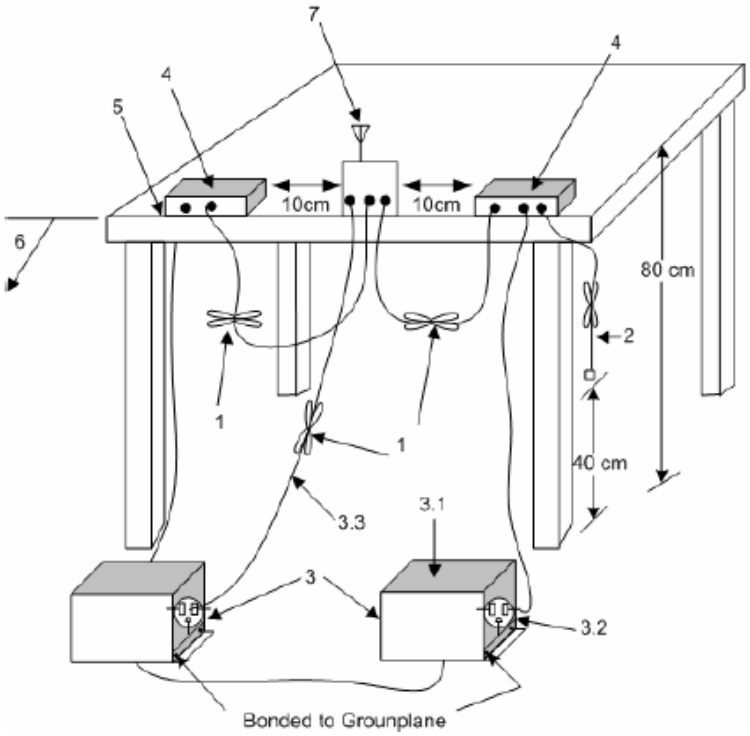
Refer a test equipment and calibration data table in this test report.

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

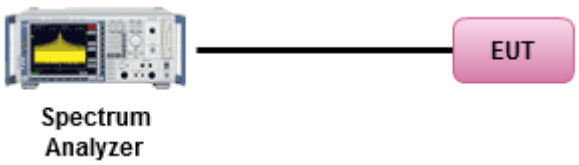
Refer a test equipment and calibration data table in this test report.

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.	

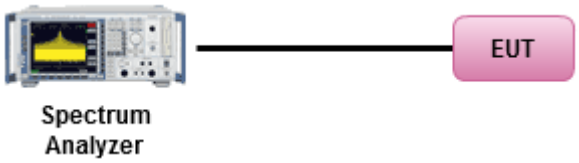
3.4.2 Measuring Instruments

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.

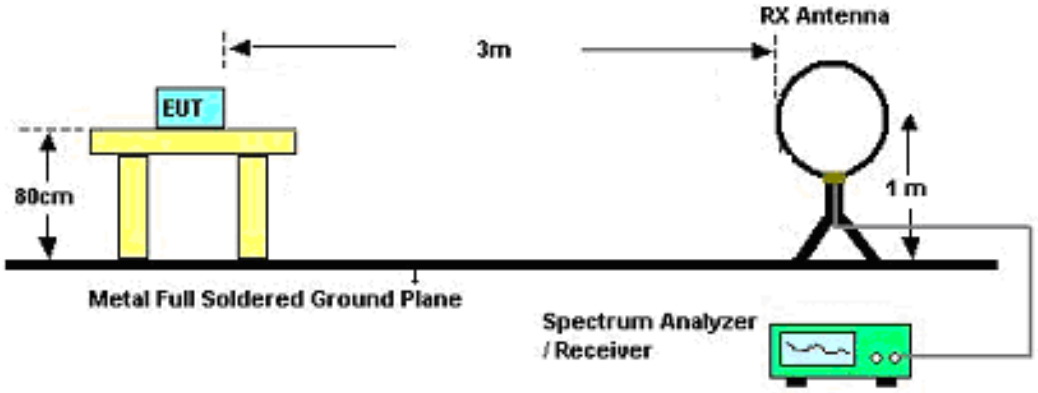
3.5.3 Test Procedures

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.			

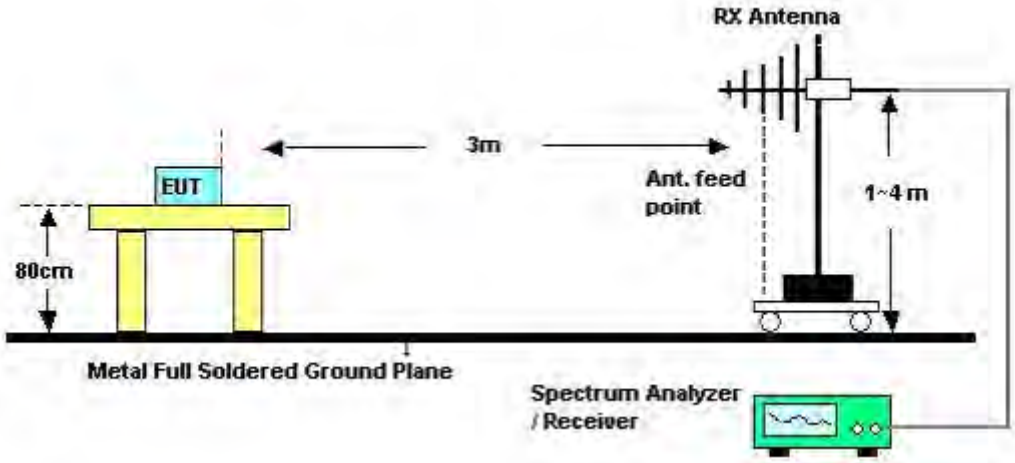
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

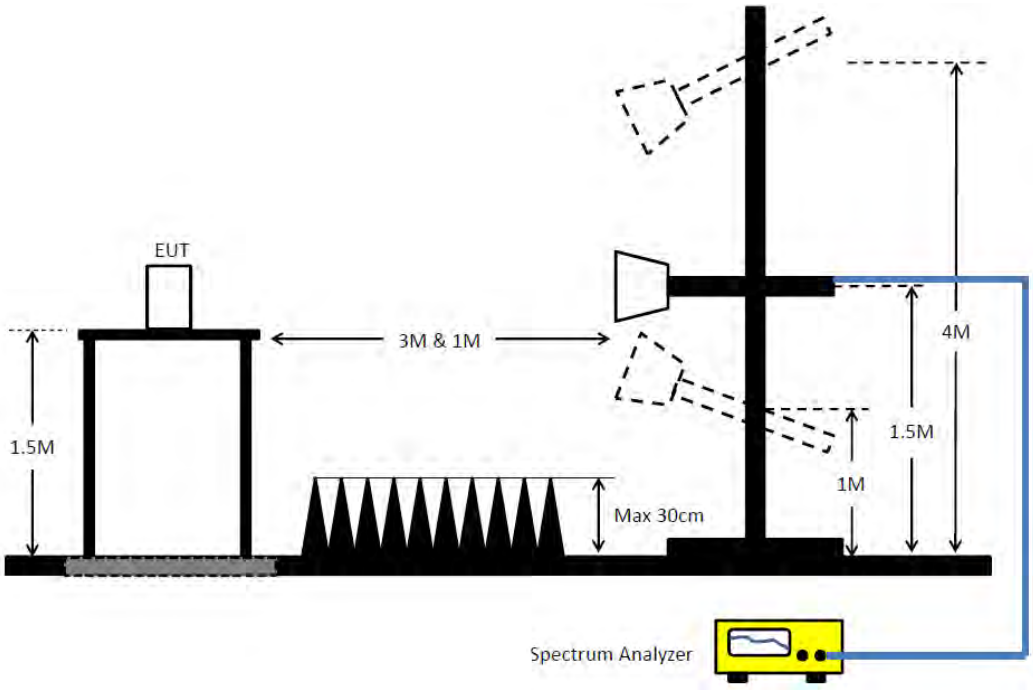
9kHz ~30MHz



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)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
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

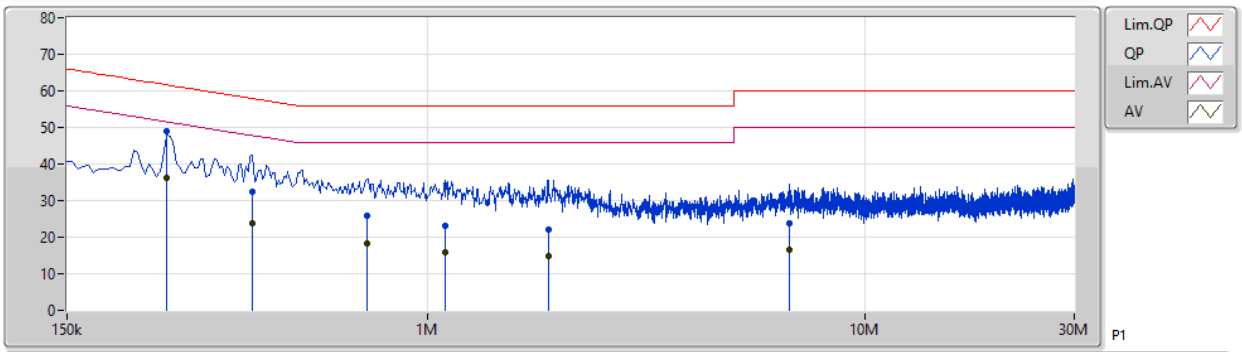
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	MY54130031	9kHz ~ 8.45GHz	Nov. 08, 2019	Nov. 07, 2020	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2019	Nov. 20, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 28, 2019	Mar. 27, 2020	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1291	1GHz~18GHz	Oct. 05, 2019	Oct. 04, 2020	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2019	Apr. 30, 2020	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Apr. 16, 2019	Apr. 15, 2020	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Aug. 15, 2019	Aug. 14, 2020	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	LOW Cable-04+23	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH05-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 02, 2019	Jul. 01, 2020	Conducted (TH02-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-3	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)

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

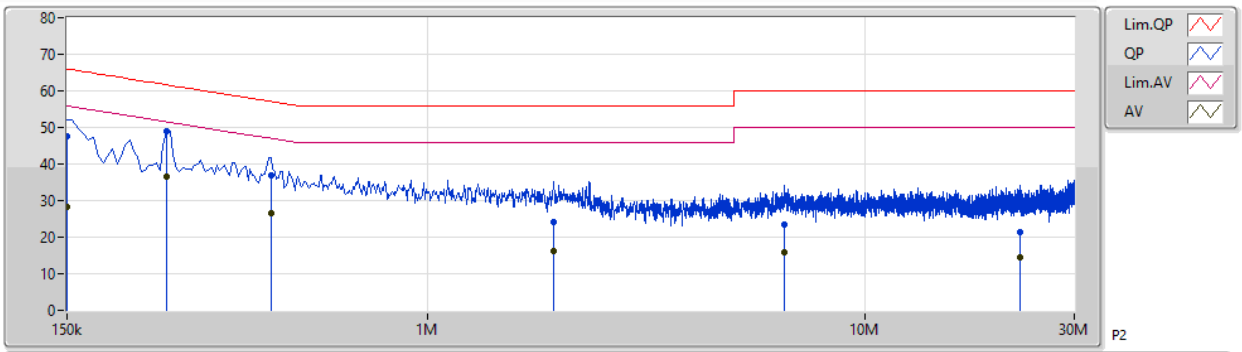
N.C.R. means Non-Calibration required.

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	253.5k	49.03	61.64	-12.61	9.92	Line	"Worst"	39.11	0.06	0.06	9.80
AV	253.5k	36.34	51.64	-15.30	9.92	Line	-	26.42	0.06	0.06	9.80
QP	397.5k	32.55	57.91	-25.36	9.93	Line	-	22.62	0.06	0.06	9.81
AV	397.5k	23.77	47.91	-24.14	9.93	Line	-	13.84	0.06	0.06	9.81
QP	726k	25.95	56.00	-30.05	9.97	Line	-	15.98	0.07	0.08	9.82
AV	726k	18.44	46.00	-27.56	9.97	Line	-	8.47	0.07	0.08	9.82
QP	1.095M	23.08	56.00	-32.92	9.98	Line	-	13.10	0.07	0.09	9.82
AV	1.095M	16.03	46.00	-29.97	9.98	Line	-	6.05	0.07	0.09	9.82
QP	1.887M	21.94	56.00	-34.06	10.04	Line	-	11.90	0.09	0.12	9.83
AV	1.887M	14.69	46.00	-31.31	10.04	Line	-	4.65	0.09	0.12	9.83
QP	6.684M	23.80	60.00	-36.20	10.24	Line	-	13.56	0.17	0.20	9.87
AV	6.684M	16.44	50.00	-33.56	10.24	Line	-	6.20	0.17	0.20	9.87

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	47.43	66.00	-18.57	9.89	Neutral	-	37.54	0.04	0.06	9.79
AV	150k	28.20	56.00	-27.80	9.89	Neutral	-	18.31	0.04	0.06	9.79
QP	253.5k	49.02	61.64	-12.62	9.90	Neutral	"Worst"	39.12	0.04	0.06	9.80
AV	253.5k	36.39	51.64	-15.25	9.90	Neutral	"	26.49	0.04	0.06	9.80
QP	438k	37.01	57.11	-20.10	9.91	Neutral	-	27.10	0.04	0.06	9.81
AV	438k	26.52	47.11	-20.59	9.91	Neutral	-	16.61	0.04	0.06	9.81
QP	1.946M	24.21	56.00	-31.79	10.02	Neutral	-	14.19	0.07	0.12	9.83
AV	1.946M	16.28	46.00	-29.72	10.02	Neutral	-	6.26	0.07	0.12	9.83
QP	6.518M	23.31	60.00	-36.69	10.22	Neutral	-	13.09	0.15	0.20	9.87
AV	6.518M	15.88	50.00	-34.12	10.22	Neutral	-	5.66	0.15	0.20	9.87
QP	22.547M	21.38	60.00	-38.62	10.61	Neutral	-	10.77	0.29	0.31	10.01
AV	22.547M	14.49	50.00	-35.51	10.61	Neutral	-	3.88	0.29	0.31	10.01

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	22.08M	16.642M	16M6D1D	21.75M	16.632M
802.11ac VHT20_Nss1,(MCS0)_1TX	23.01M	17.825M	17M8D1D	22.74M	17.802M
802.11ac VHT40_Nss1,(MCS0)_1TX	45.24M	36.625M	36M6D1D	45.12M	36.585M
802.11ac VHT80_Nss1,(MCS0)_1TX	89.88M	76.417M	76M4D1D	89.88M	76.417M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.35M	16.655M	16M7D1D	16.32M	16.626M
802.11ac VHT20_Nss1,(MCS0)_1TX	17.58M	17.816M	17M8D1D	17.58M	17.803M
802.11ac VHT40_Nss1,(MCS0)_1TX	36.24M	36.663M	36M7D1D	35.7M	36.623M
802.11ac VHT80_Nss1,(MCS0)_1TX	76.32M	76.535M	76M5D1D	76.32M	76.535M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	22.08M	16.642M
5200MHz	Pass	Inf	21.78M	16.639M
5240MHz	Pass	Inf	21.75M	16.632M
5745MHz	Pass	500k	16.35M	16.631M
5785MHz	Pass	500k	16.32M	16.626M
5825MHz	Pass	500k	16.32M	16.655M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	22.92M	17.807M
5200MHz	Pass	Inf	22.74M	17.825M
5240MHz	Pass	Inf	23.01M	17.802M
5745MHz	Pass	500k	17.58M	17.81M
5785MHz	Pass	500k	17.58M	17.816M
5825MHz	Pass	500k	17.58M	17.803M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	45.24M	36.585M
5230MHz	Pass	Inf	45.12M	36.625M
5755MHz	Pass	500k	36.24M	36.623M
5795MHz	Pass	500k	35.7M	36.663M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	89.88M	76.417M
5775MHz	Pass	500k	76.32M	76.535M

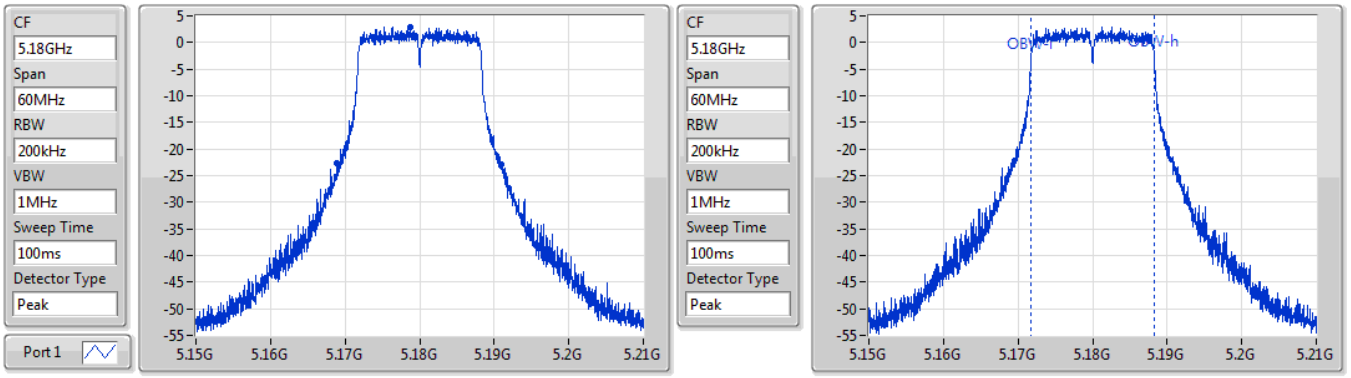
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX

EBW

5180MHz

27/02/2020



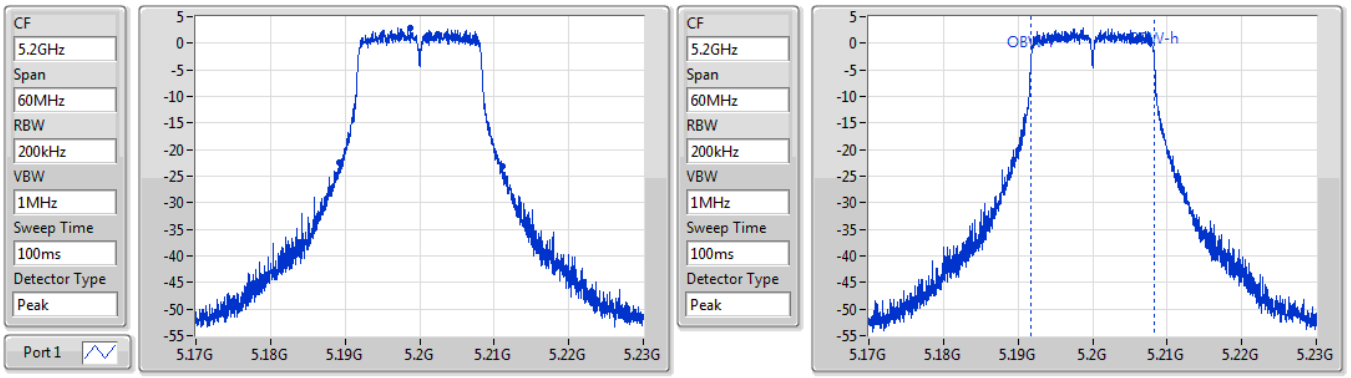
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.08M	5.16893G	5.19101G	16.642M	5.17169G	5.188332G	Inf	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5200MHz

27/02/2020



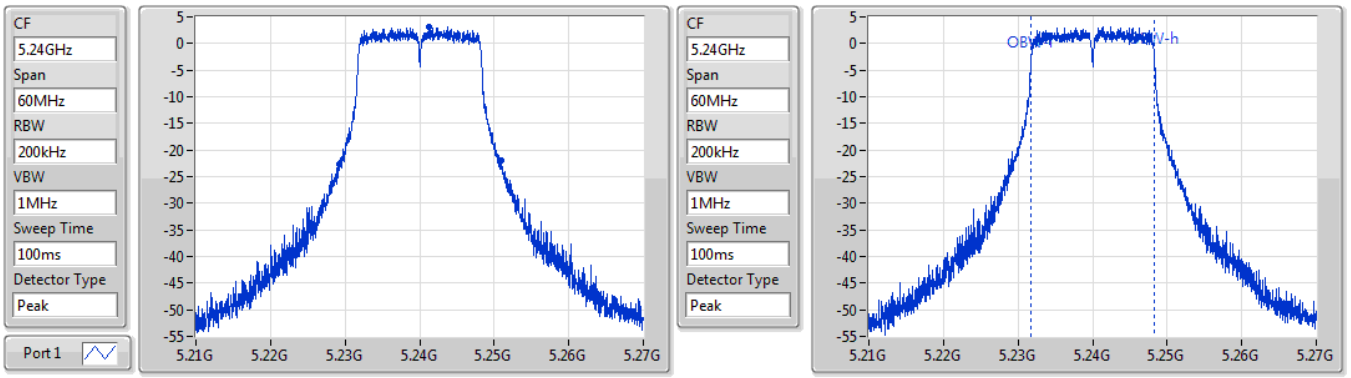
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.18929G	5.21107G	16.639M	5.191691G	5.20833G	Inf	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5240MHz

27/02/2020



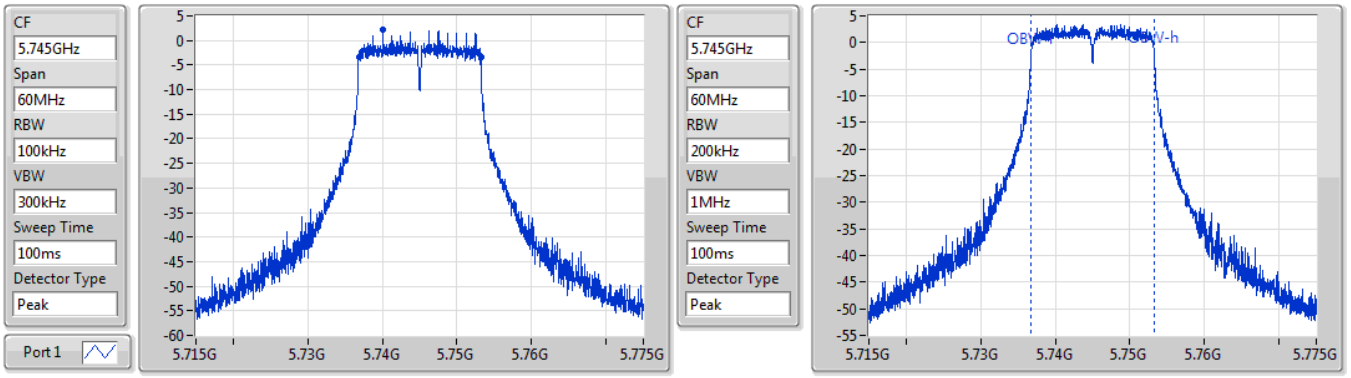
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.22914G	5.25089G	16.632M	5.231705G	5.248337G	Inf	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5745MHz

27/02/2020



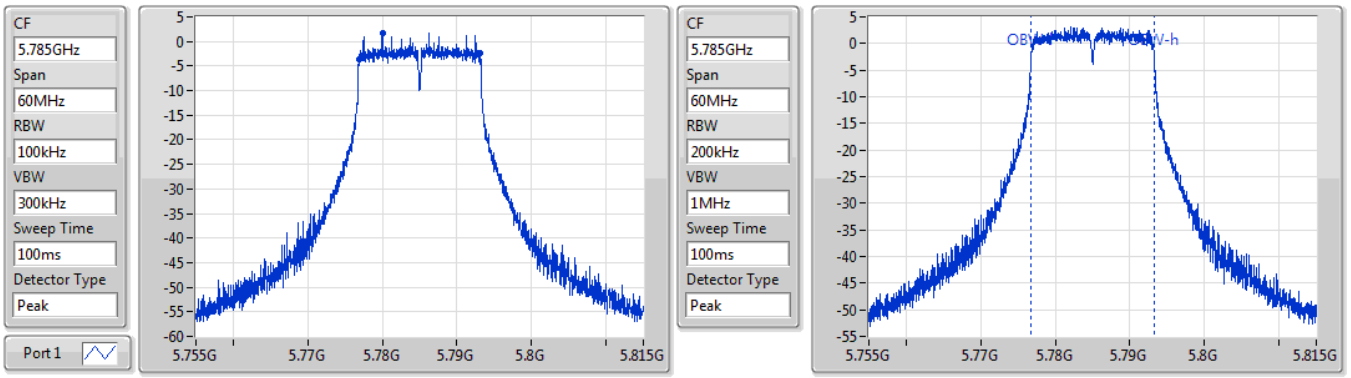
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.73684G	5.75319G	16.631M	5.736688G	5.753319G	500k	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5785MHz

27/02/2020



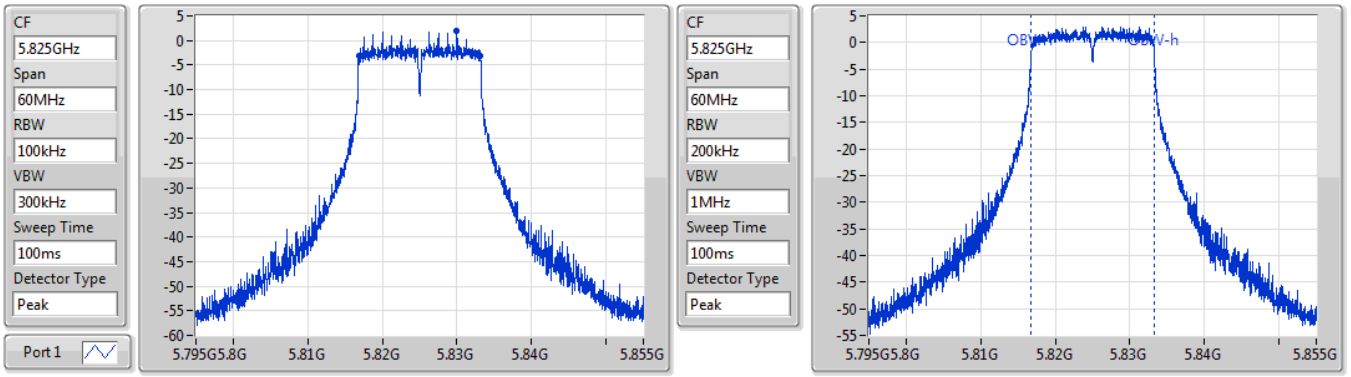
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.77684G	5.79316G	16.626M	5.776706G	5.793331G	500k	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5825MHz

27/02/2020



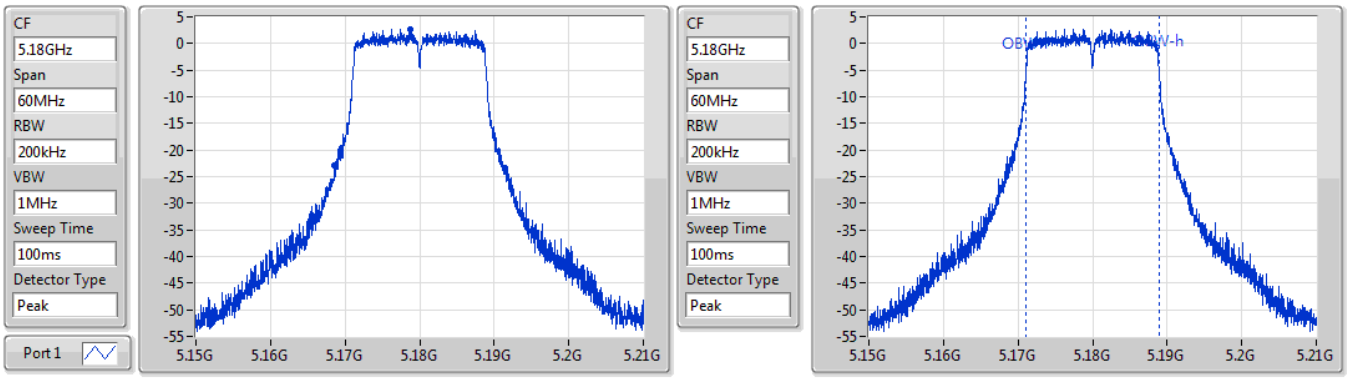
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.81684G	5.83316G	16.655M	5.816689G	5.833344G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5180MHz

27/02/2020



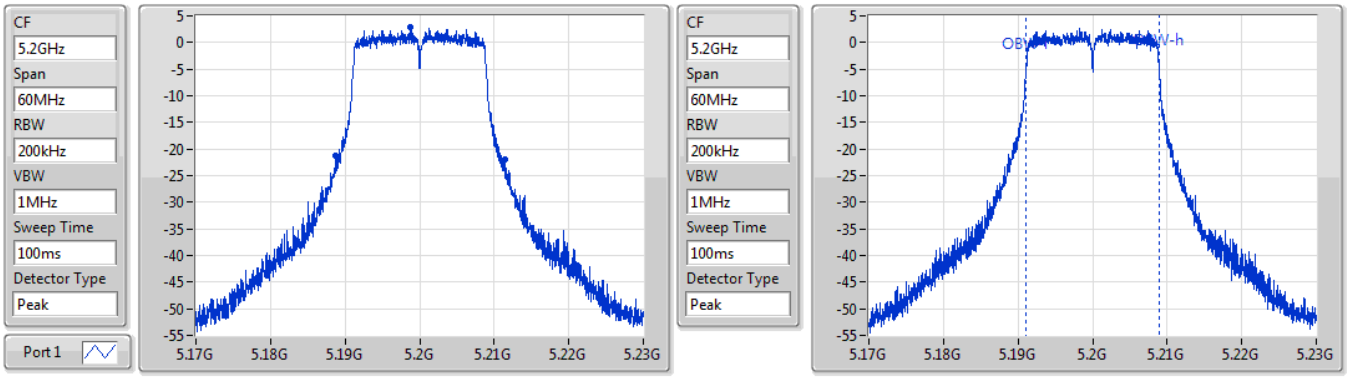
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.92M	5.16854G	5.19146G	17.807M	5.171101G	5.188908G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5200MHz

27/02/2020



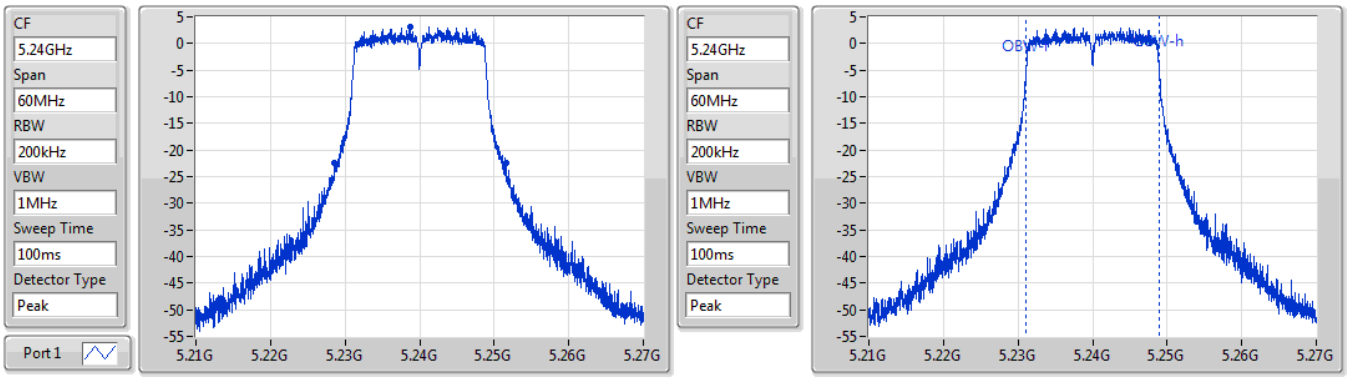
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.74M	5.18869G	5.21143G	17.825M	5.191089G	5.208914G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5240MHz

27/02/2020



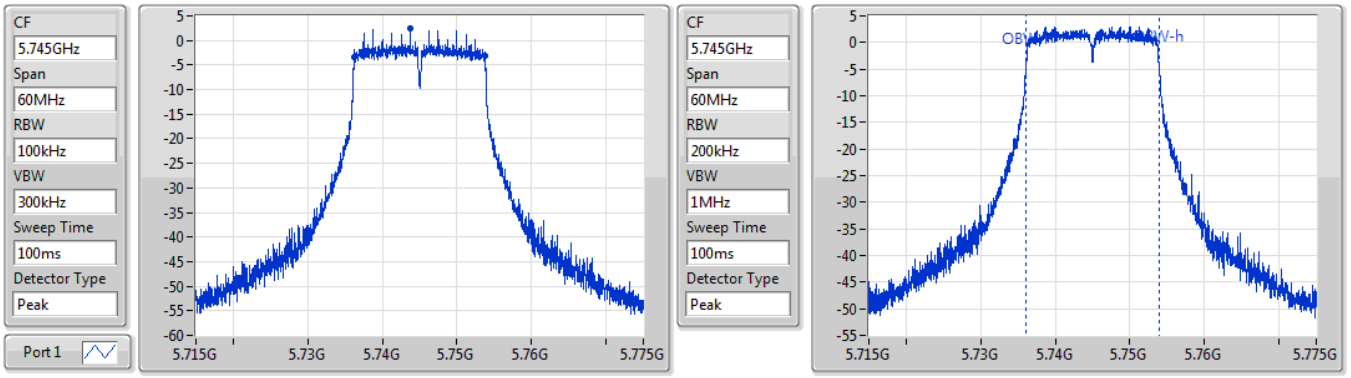
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.01M	5.22857G	5.25158G	17.802M	5.231115G	5.248917G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5745MHz

27/02/2020



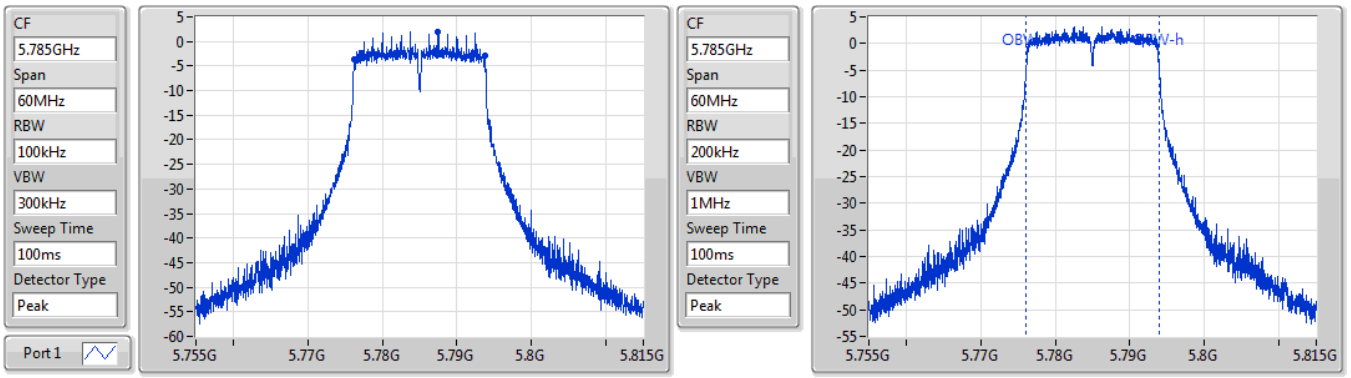
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.73621G	5.75379G	17.81M	5.736094G	5.753904G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5785MHz

27/02/2020



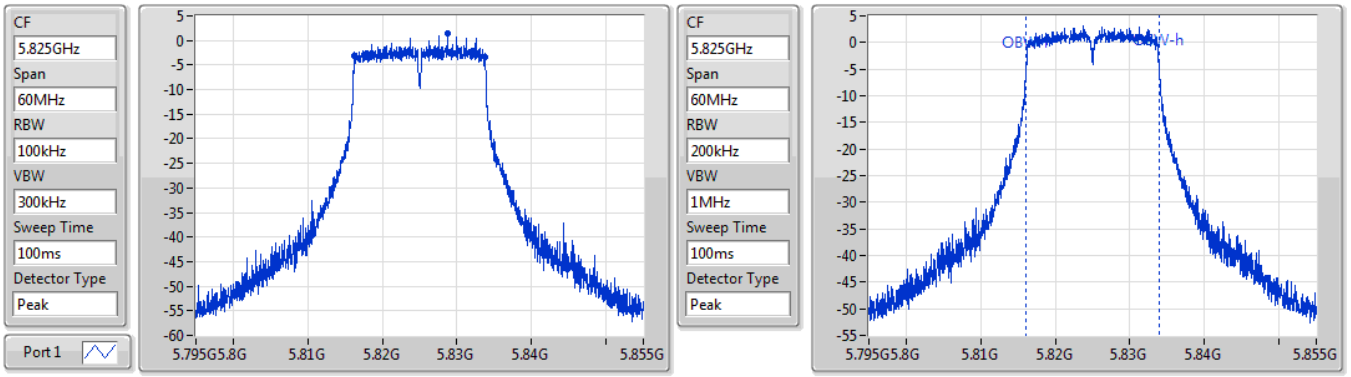
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.77621G	5.79379G	17.816M	5.776095G	5.79391G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5825MHz

27/02/2020



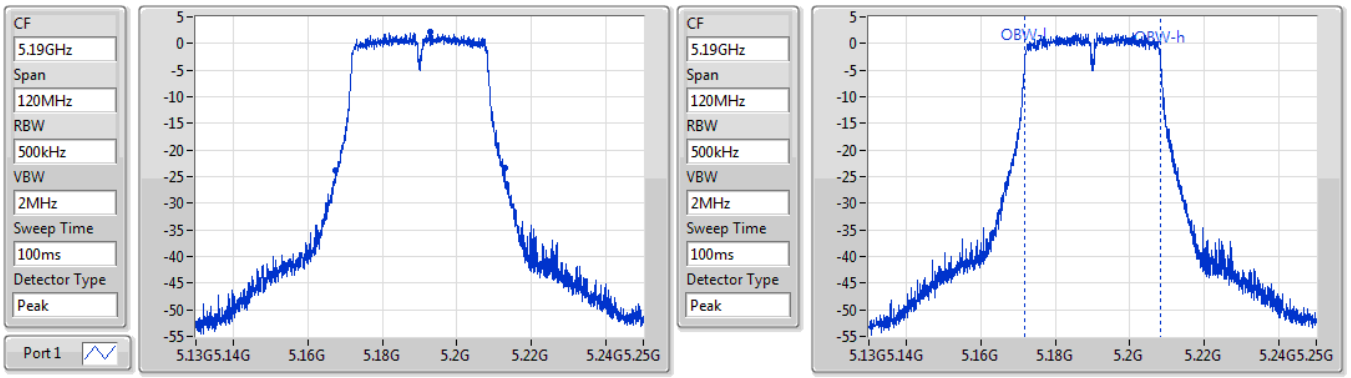
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.81621G	5.83379G	17.803M	5.81611G	5.833913G	500k	1

802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5190MHz

27/02/2020



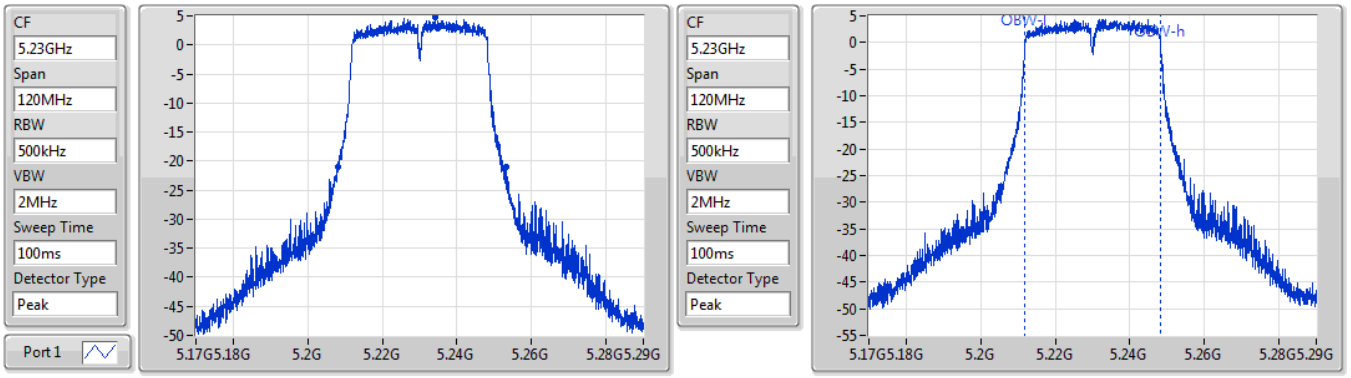
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.24M	5.16756G	5.2128G	36.585M	5.171738G	5.208323G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5230MHz

27/02/2020



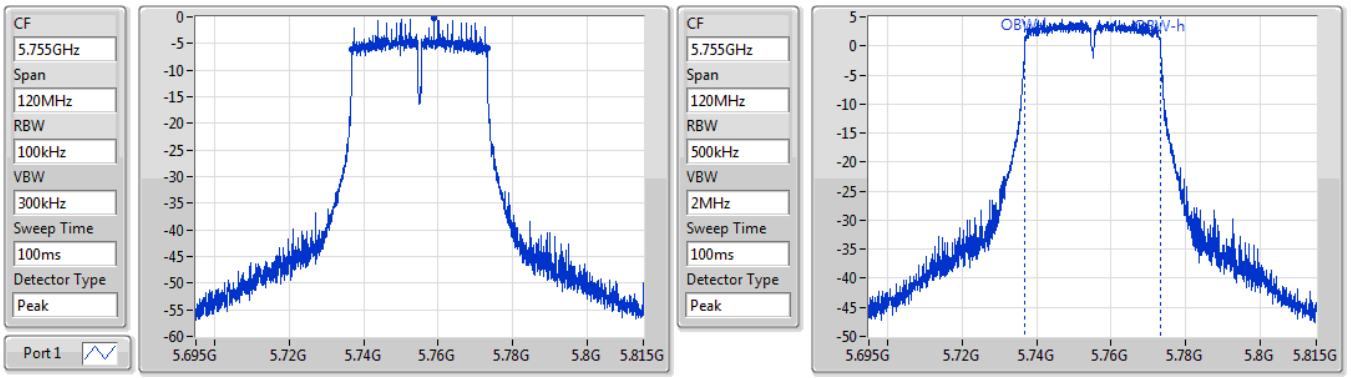
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.12M	5.20798G	5.2531G	36.625M	5.211756G	5.248381G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5755MHz

27/02/2020



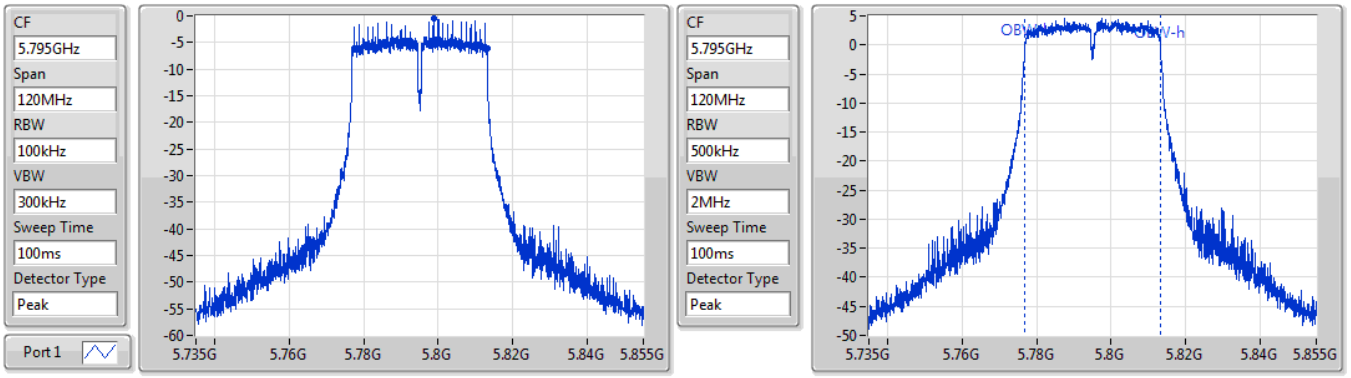
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.24M	5.73688G	5.77312G	36.623M	5.73669G	5.773314G	500k	1

802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5795MHz

27/02/2020



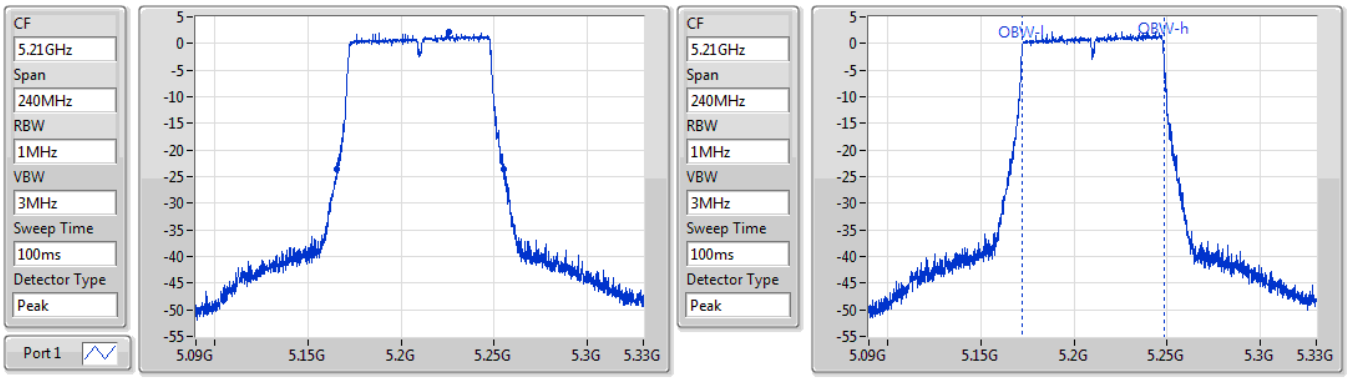
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	5.77742G	5.81312G	36.663M	5.776704G	5.813367G	500k	1

802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5210MHz

27/02/2020



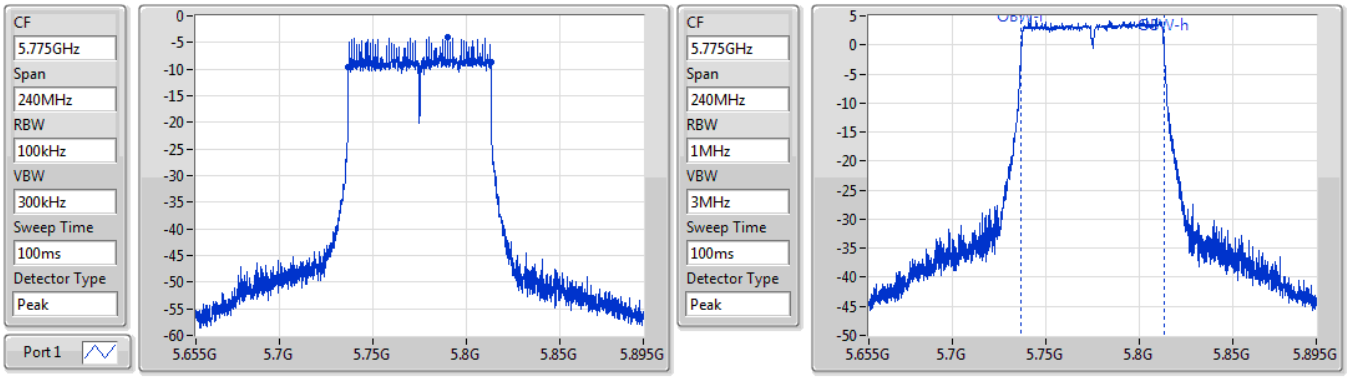
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
89.88M	5.16536G	5.25524G	76.417M	5.171899G	5.248316G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5775MHz

27/02/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.32M	5.73684G	5.81316G	76.535M	5.736803G	5.813337G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	14.17	0.02612
802.11ac VHT20_Nss1,(MCS0)_1TX	14.01	0.02518
802.11ac VHT40_Nss1,(MCS0)_1TX	14.25	0.02661
802.11ac VHT80_Nss1,(MCS0)_1TX	11.60	0.01445
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	14.13	0.02588
802.11ac VHT20_Nss1,(MCS0)_1TX	14.18	0.02618
802.11ac VHT40_Nss1,(MCS0)_1TX	14.26	0.02667
802.11ac VHT80_Nss1,(MCS0)_1TX	13.71	0.02350

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	11.00	13.66	13.66	30.00
5200MHz	Pass	11.00	13.76	13.76	30.00
5240MHz	Pass	11.00	14.17	14.17	30.00
5745MHz	Pass	11.00	14.13	14.13	30.00
5785MHz	Pass	11.00	13.96	13.96	30.00
5825MHz	Pass	11.00	13.96	13.96	30.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	11.00	13.65	13.65	30.00
5200MHz	Pass	11.00	13.69	13.69	30.00
5240MHz	Pass	11.00	14.01	14.01	30.00
5745MHz	Pass	11.00	14.18	14.18	30.00
5785MHz	Pass	11.00	13.98	13.98	30.00
5825MHz	Pass	11.00	14.01	14.01	30.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	11.00	11.81	11.81	30.00
5230MHz	Pass	11.00	14.25	14.25	30.00
5755MHz	Pass	11.00	14.26	14.26	30.00
5795MHz	Pass	11.00	14.24	14.24	30.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	11.00	11.60	11.60	30.00
5775MHz	Pass	11.00	13.71	13.71	30.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	1.02
802.11ac VHT20_Nss1,(MCS0)_1TX	0.65
802.11ac VHT40_Nss1,(MCS0)_1TX	-2.01
802.11ac VHT80_Nss1,(MCS0)_1TX	-7.79
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	-0.32
802.11ac VHT20_Nss1,(MCS0)_1TX	-0.64
802.11ac VHT40_Nss1,(MCS0)_1TX	-3.34
802.11ac VHT80_Nss1,(MCS0)_1TX	-7.14

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

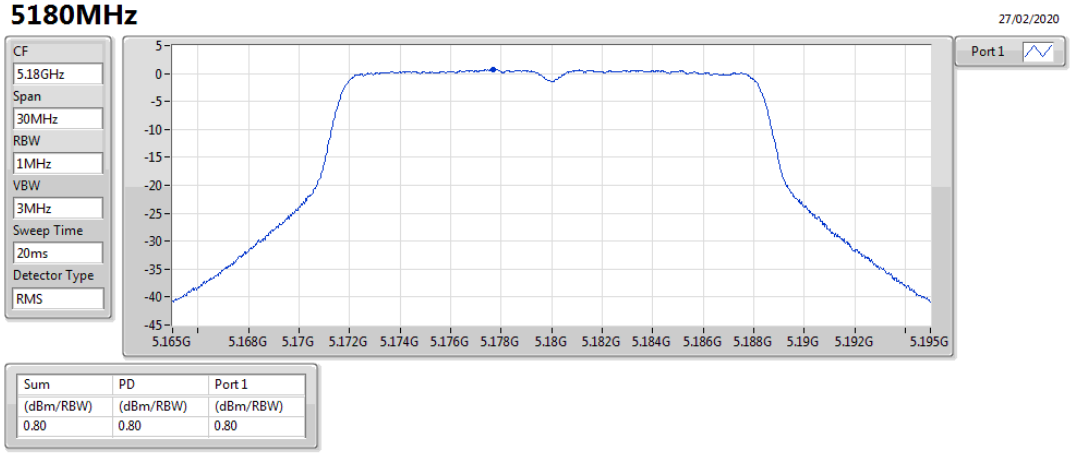
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	11.00	0.80	0.80	17.00
5200MHz	Pass	11.00	0.75	0.75	17.00
5240MHz	Pass	11.00	1.02	1.02	17.00
5745MHz	Pass	11.00	-0.32	-0.32	30.00
5785MHz	Pass	11.00	-0.58	-0.58	30.00
5825MHz	Pass	11.00	-0.78	-0.78	30.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	11.00	0.20	0.20	17.00
5200MHz	Pass	11.00	0.20	0.20	17.00
5240MHz	Pass	11.00	0.65	0.65	17.00
5745MHz	Pass	11.00	-0.64	-0.64	30.00
5785MHz	Pass	11.00	-0.92	-0.92	30.00
5825MHz	Pass	11.00	-1.04	-1.04	30.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	11.00	-4.49	-4.49	17.00
5230MHz	Pass	11.00	-2.01	-2.01	17.00
5755MHz	Pass	11.00	-3.34	-3.34	30.00
5795MHz	Pass	11.00	-3.54	-3.54	30.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	11.00	-7.79	-7.79	17.00
5775MHz	Pass	11.00	-7.14	-7.14	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)_1TX PSD

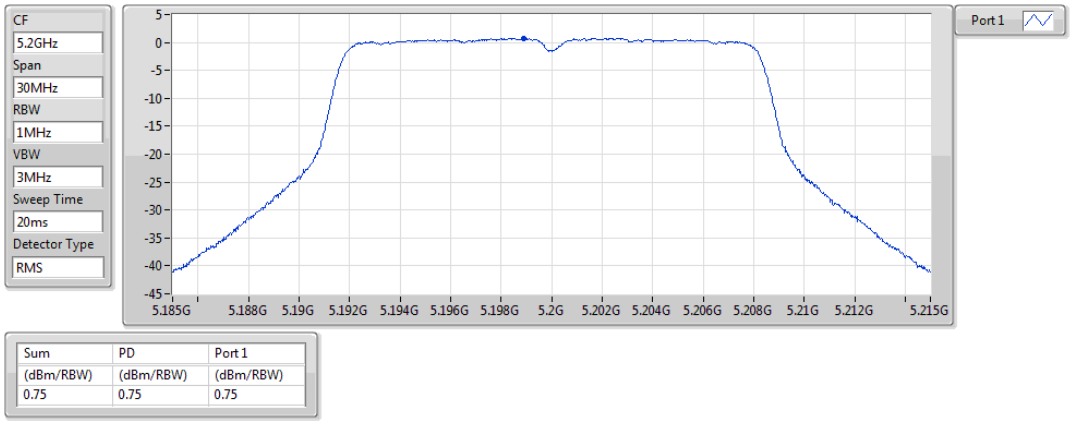
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.80	0.80	0.80

802.11a_Nss1,(6Mbps)_1TX PSD

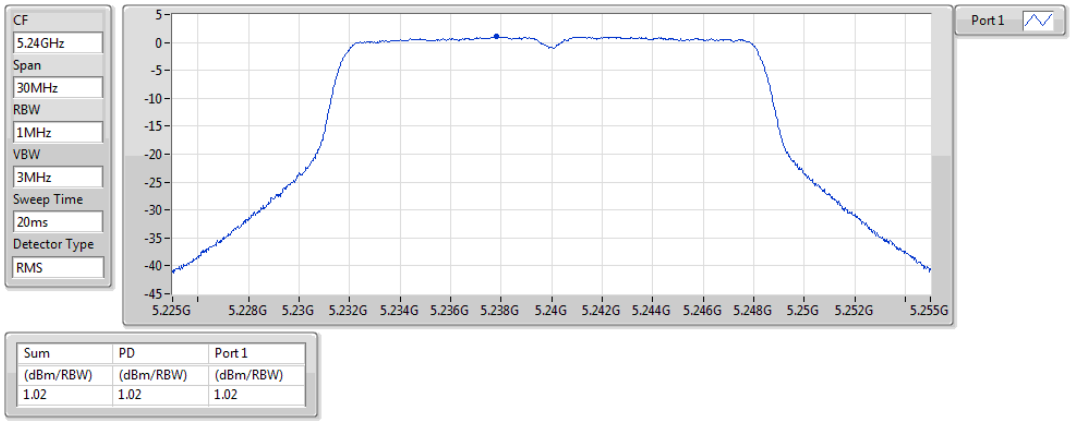
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.75	0.75	0.75

802.11a_Nss1,(6Mbps)_1TX PSD

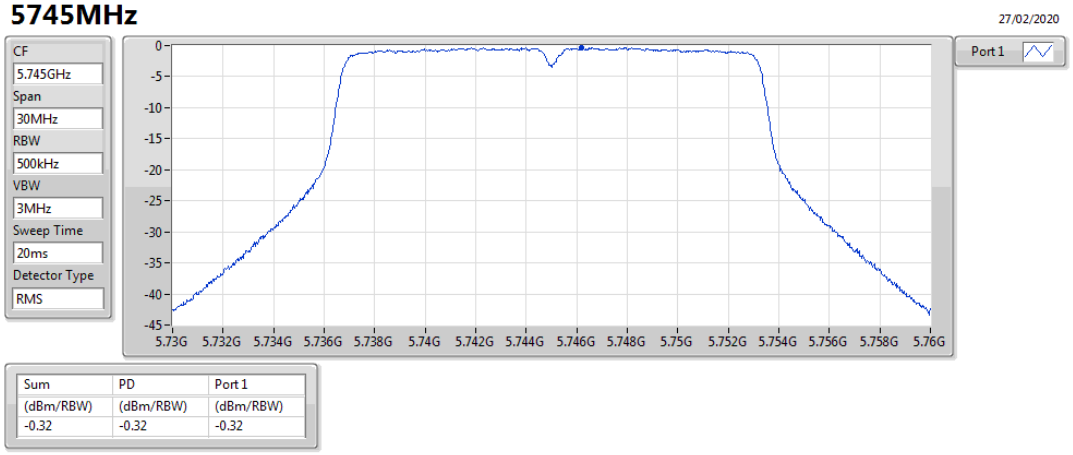
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.02	1.02	1.02

802.11a_Nss1,(6Mbps)_1TX PSD

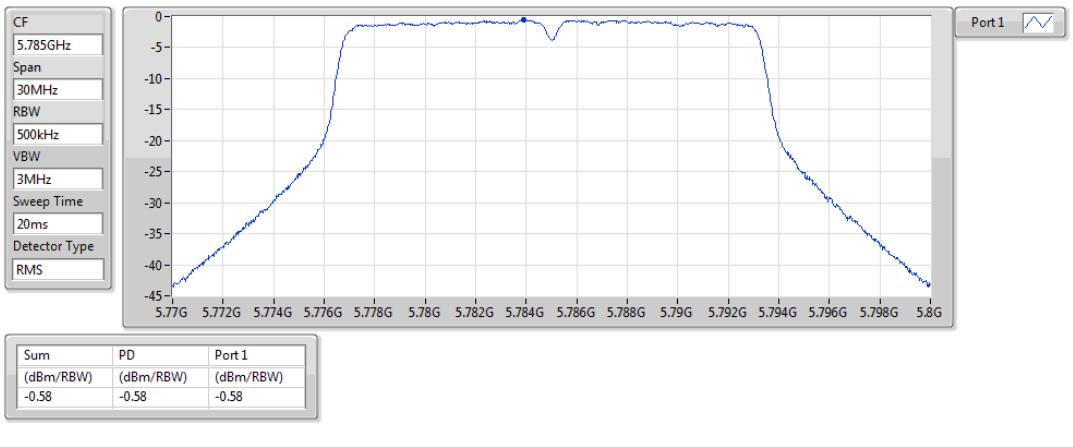
5745MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.32	-0.32	-0.32

802.11a_Nss1,(6Mbps)_1TX PSD

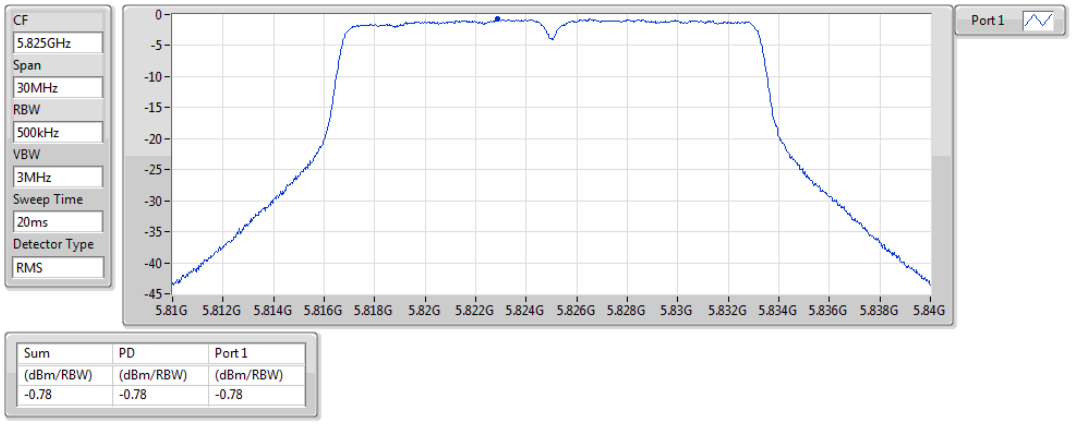
5785MHz



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

802.11a_Nss1,(6Mbps)_1TX PSD

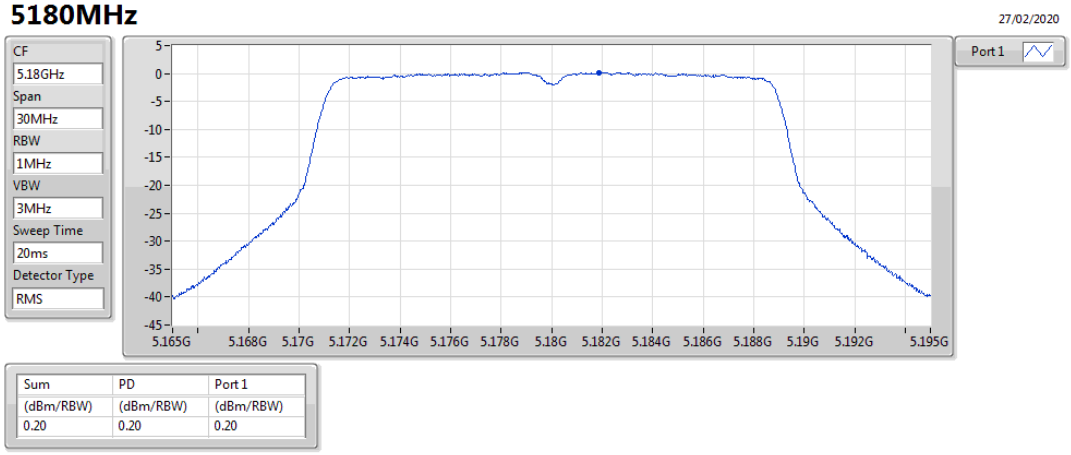
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.78	-0.78	-0.78

802.11ac VHT20_Nss1,(MCS0)_1TX PSD

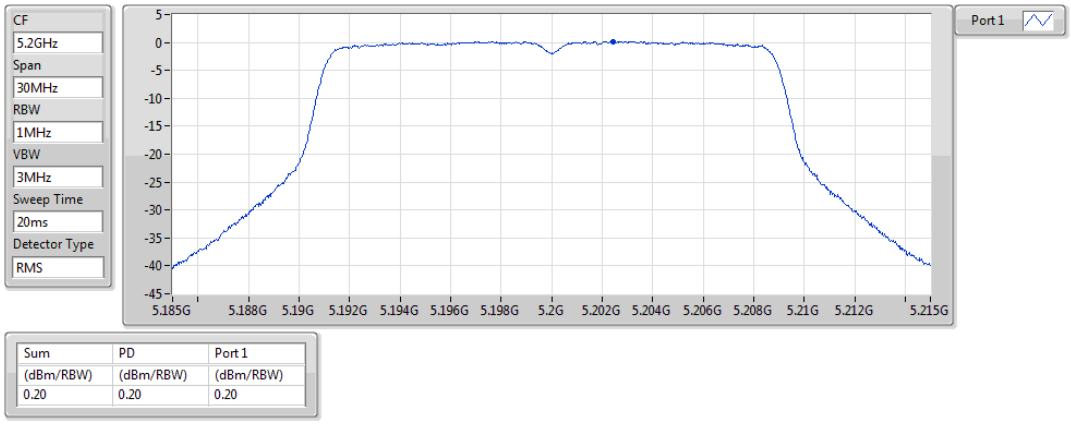
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.20	0.20	0.20

802.11ac VHT20_Nss1,(MCS0)_1TX PSD

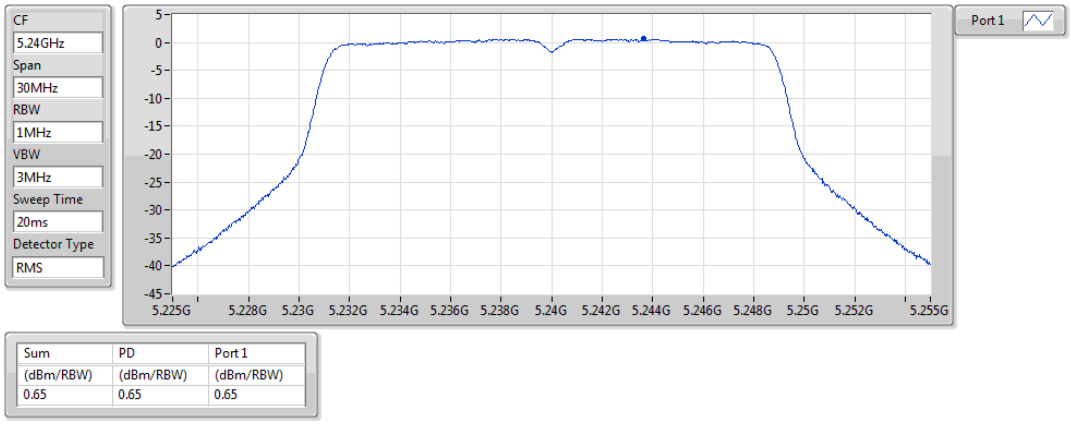
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.20	0.20	0.20

802.11ac VHT20_Nss1,(MCS0)_1TX PSD

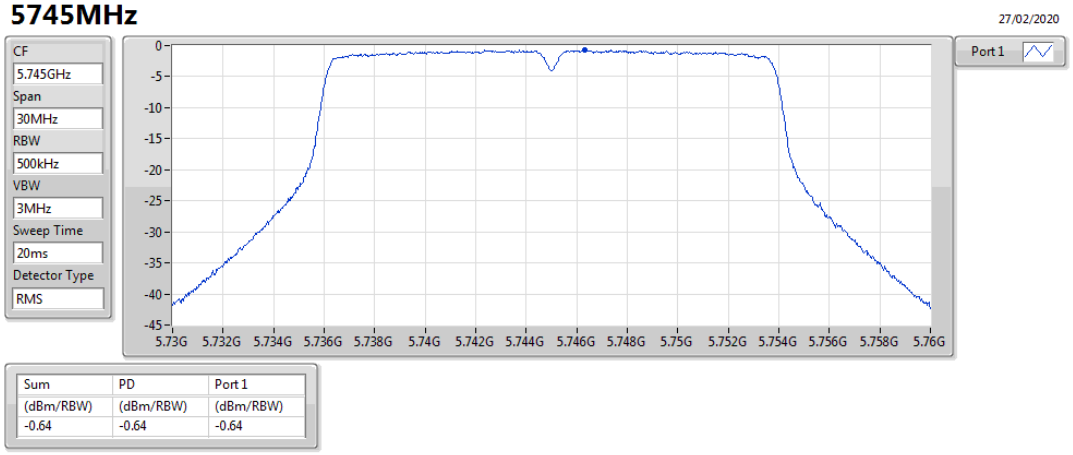
5240MHz



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

802.11ac VHT20_Nss1,(MCS0)_1TX PSD

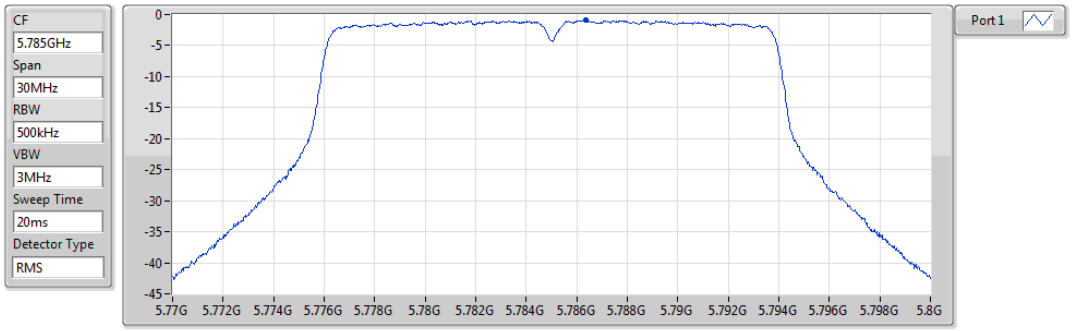
5745MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.64	-0.64	-0.64

802.11ac VHT20_Nss1,(MCS0)_1TX PSD

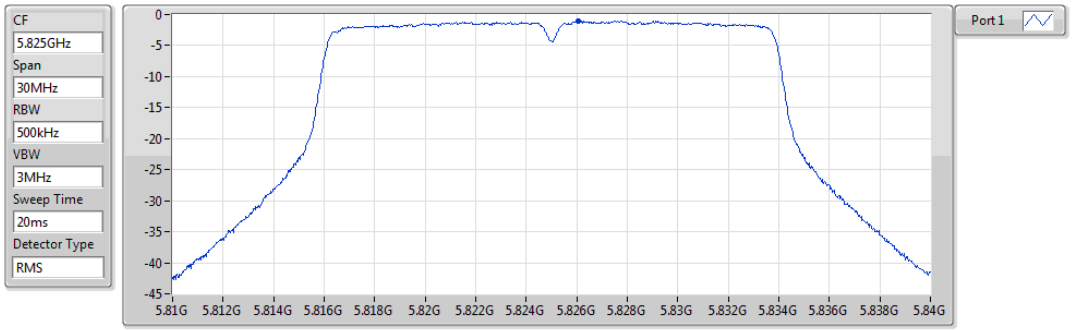
5785MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.92	-0.92	-0.92

802.11ac VHT20_Nss1,(MCS0)_1TX PSD

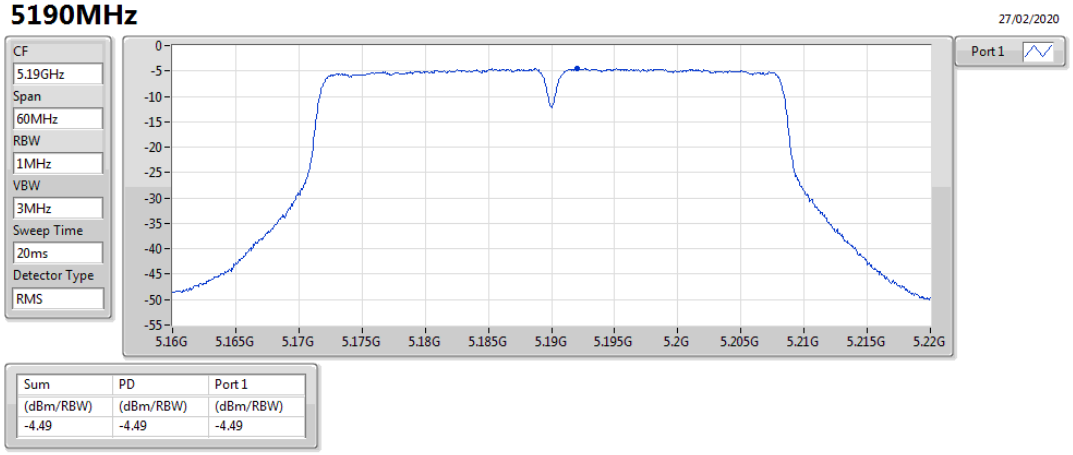
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.04	-1.04	-1.04

802.11ac VHT40_Nss1,(MCS0)_1TX PSD

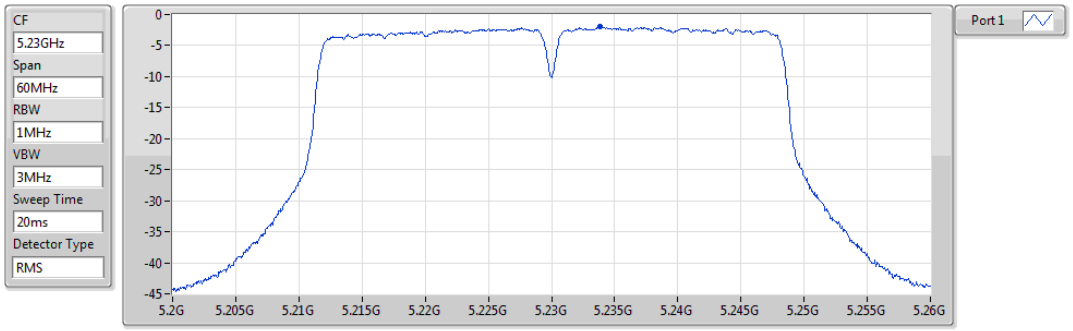
5190MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.49	-4.49	-4.49

802.11ac VHT40_Nss1,(MCS0)_1TX PSD

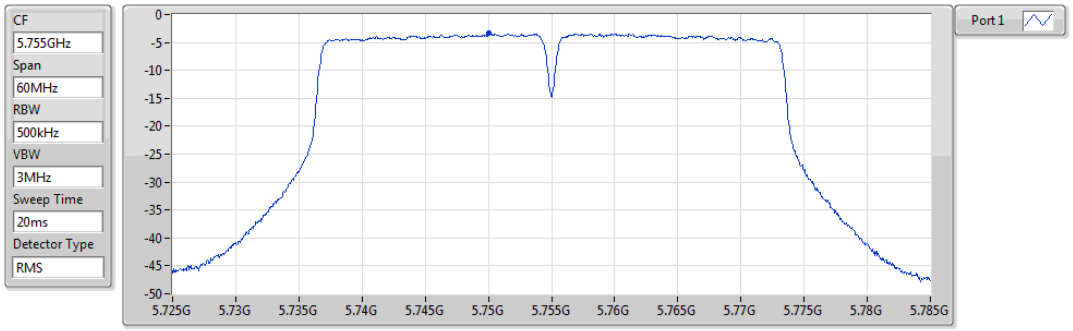
5230MHz



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

802.11ac VHT40_Nss1,(MCS0)_1TX PSD

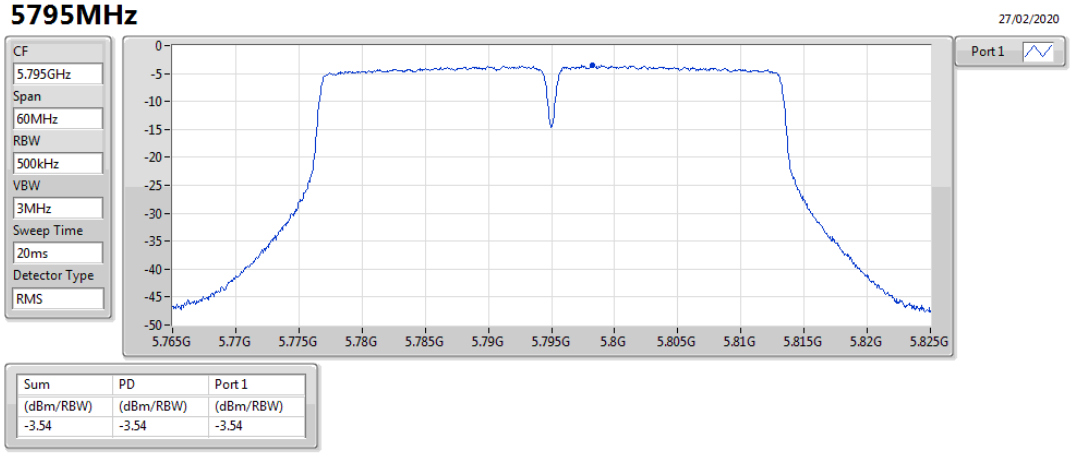
5755MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.34	-3.34	-3.34

802.11ac VHT40_Nss1,(MCS0)_1TX PSD

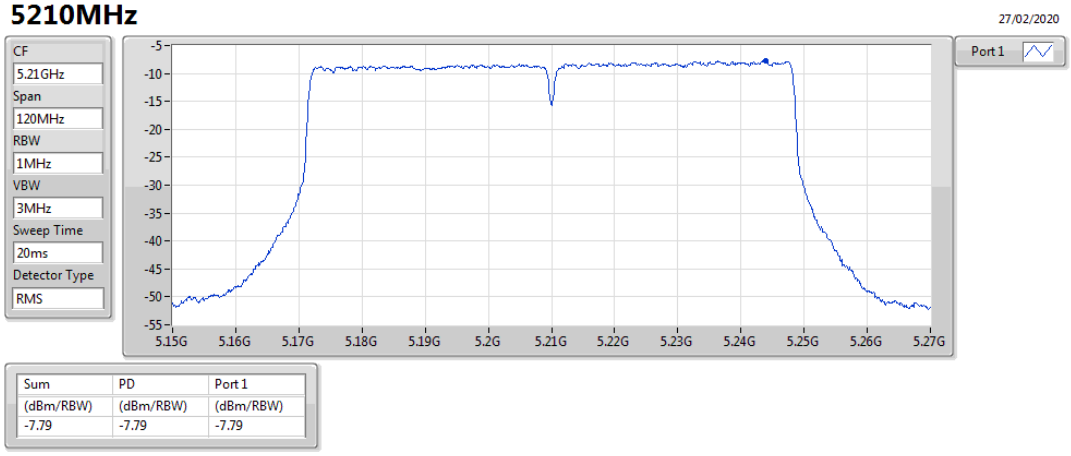
5795MHz



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

802.11ac VHT80_Nss1,(MCS0)_1TX PSD

5210MHz



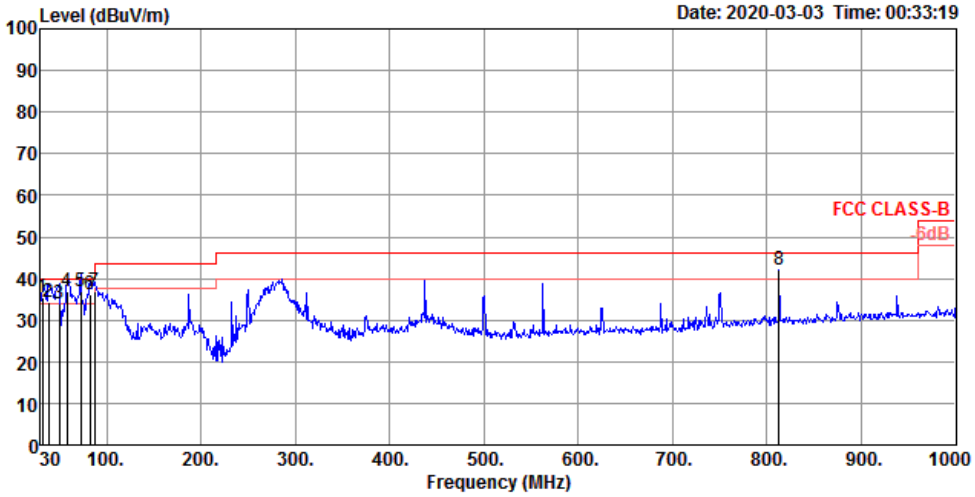
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.79	-7.79	-7.79

802.11ac VHT80_Nss1,(MCS0)_1TX PSD

5775MHz

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.14	-7.14	-7.14

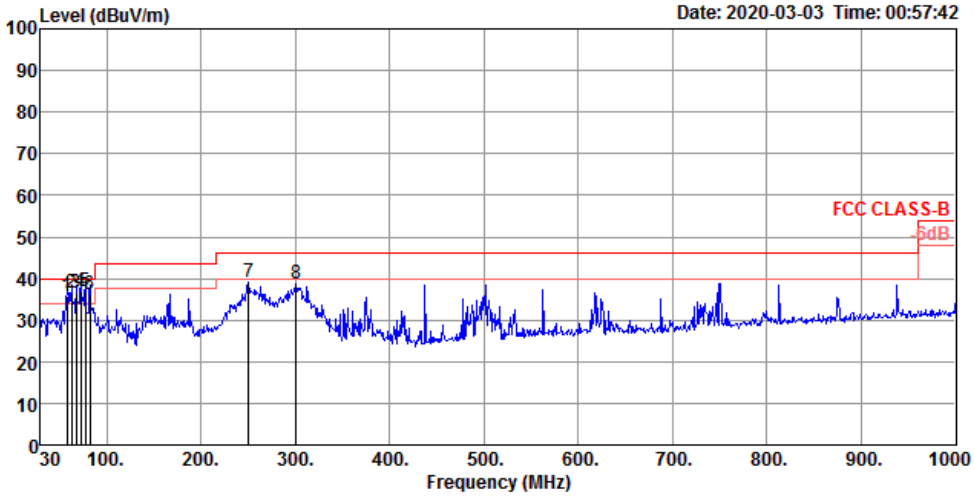
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Vertical
Operating Function	CTX		



	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	35.48	40.00	-4.52	41.80	0.71	24.51	31.54	100	77	QP	VERTICAL
2	38.73	34.32	40.00	-5.68	44.50	0.81	20.51	31.50	100	56	QP	VERTICAL
3	49.40	34.09	40.00	-5.91	49.80	0.92	15.09	31.72	100	83	QP	VERTICAL
4	58.13	36.74	40.00	-3.26	54.62	0.97	12.98	31.83	100	262	QP	VERTICAL
5	72.68	36.78	40.00	-3.22	54.80	1.08	12.78	31.88	200	237	QP	VERTICAL
6	82.38	36.24	40.00	-3.76	53.20	1.14	13.76	31.86	150	248	QP	VERTICAL
7	87.23	36.88	40.00	-3.12	52.90	1.18	14.68	31.88	150	222	QP	VERTICAL
8	812.79	42.23	46.00	-3.77	43.96	3.73	26.87	32.33	125	215	Peak	VERTICAL

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

RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Horizontal
Operating Function	CTX		



	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	58.13	35.62	40.00	-4.38	53.50	0.97	12.98	31.83	300	15	QP	HORIZONTAL
2	62.98	36.44	40.00	-3.56	54.70	1.00	12.60	31.86	300	232	QP	HORIZONTAL
3	67.83	36.54	40.00	-3.46	54.81	1.01	12.60	31.88	300	238	QP	HORIZONTAL
4	72.68	36.87	40.00	-3.13	54.89	1.08	12.78	31.88	300	228	QP	HORIZONTAL
5	77.53	36.91	40.00	-3.09	54.51	1.14	13.13	31.87	200	199	QP	HORIZONTAL
6	82.38	36.24	40.00	-3.76	53.20	1.14	13.76	31.86	200	192	QP	HORIZONTAL
7	250.19	39.21	46.00	-6.79	50.30	2.04	18.90	32.03	125	198	Peak	HORIZONTAL
8	300.63	38.71	46.00	-7.29	48.77	2.22	19.80	32.08	100	250	Peak	HORIZONTAL

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

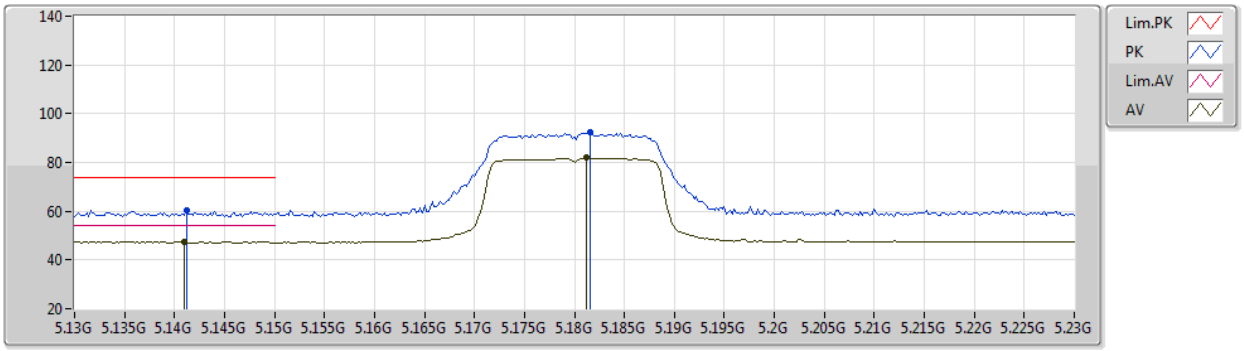
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_1TX	Pass	AV	5.149G	53.56	54.00	-0.44	3	Horizontal	0	1.98	-

802.11a_Nss1,(6Mbps)_1TX

06/01/2020

5180MHz_TX



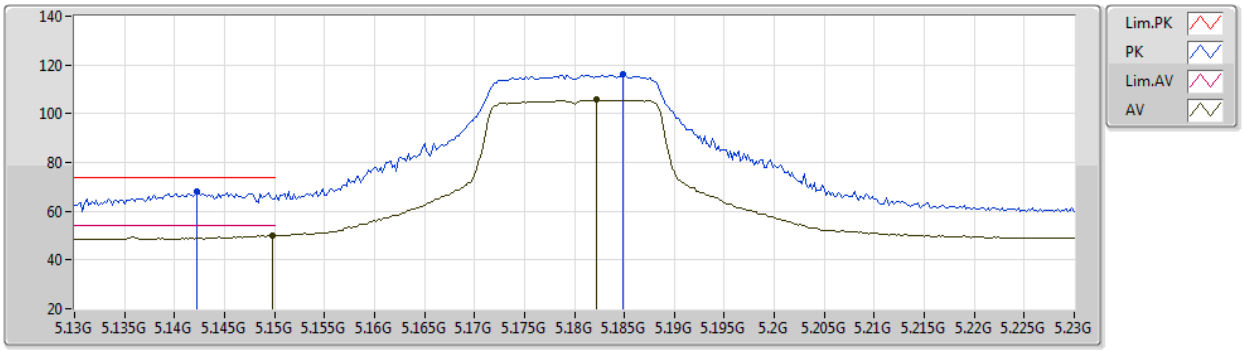
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1412G	60.59	74.00	-13.41	51.46	3	Vertical	1	2.02	-	33.54	5.97	30.38
AV	5.141G	47.45	54.00	-6.55	38.32	3	Vertical	1	2.02	-	33.54	5.97	30.38
PK	5.1816G	92.34	Inf	-Inf	83.16	3	Vertical	1	2.02	-	33.58	5.99	30.39
AV	5.1812G	82.06	Inf	-Inf	72.88	3	Vertical	1	2.02	-	33.58	5.99	30.39

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

06/01/2020



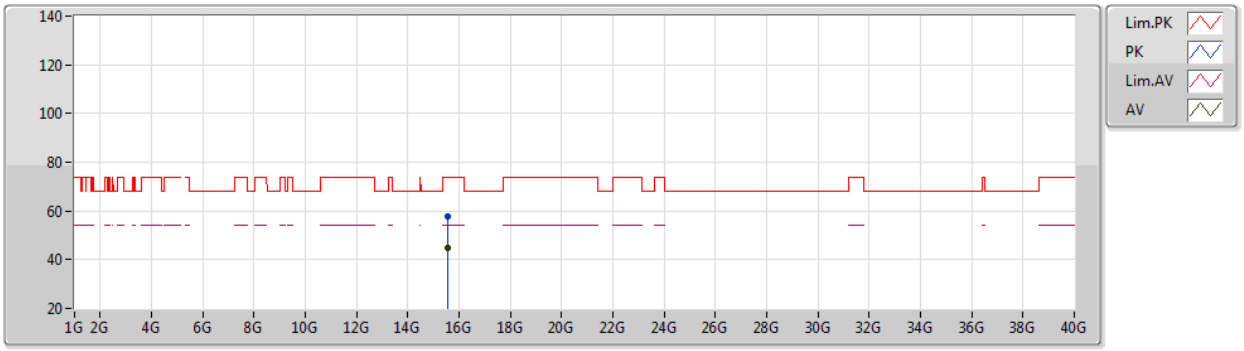
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1422G	68.26	74.00	-5.74	59.13	3	Horizontal	1	1.94	-	33.54	5.97	30.38
AV	5.1498G	50.02	54.00	-3.98	40.88	3	Horizontal	1	1.94	-	33.55	5.97	30.38
PK	5.1848G	116.19	Inf	-Inf	107.02	3	Horizontal	1	1.94	-	33.58	5.99	30.40
AV	5.1822G	105.68	Inf	-Inf	96.50	3	Horizontal	1	1.94	-	33.58	5.99	30.39

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

06/01/2020



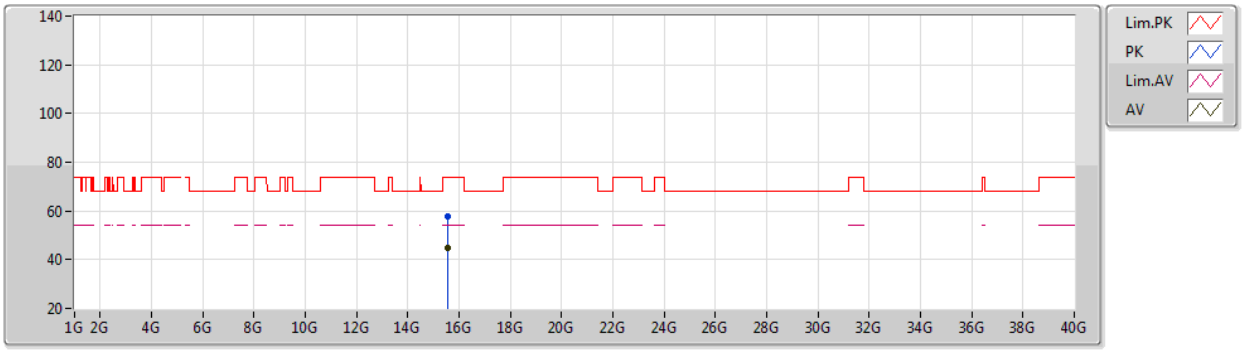
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.54108G	57.73	74.00	-16.27	41.73	3	Vertical	288	1.36	-	38.73	9.25	31.98
AV	15.54156G	44.90	54.00	-9.10	28.90	3	Vertical	288	1.36	-	38.73	9.25	31.98

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

06/01/2020



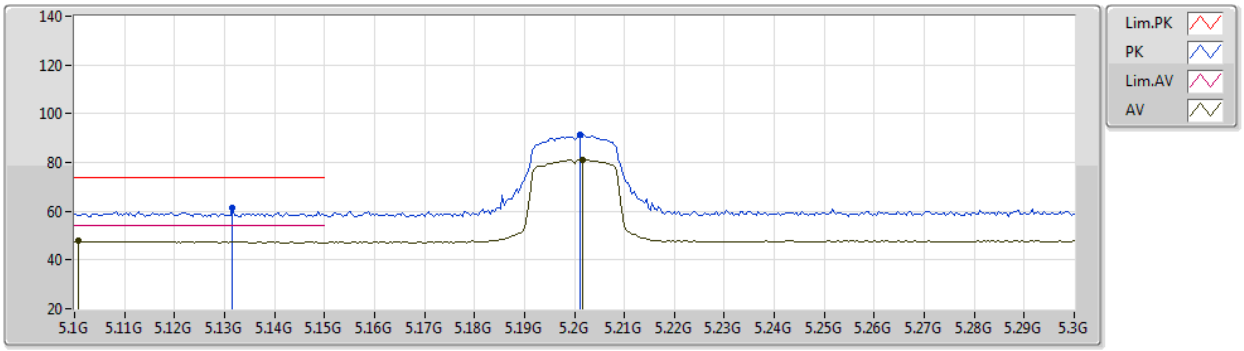
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.53436G	57.82	74.00	-16.18	41.80	3	Horizontal	354	1.78	-	38.75	9.25	31.98
AV	15.5502G	45.00	54.00	-9.00	29.03	3	Horizontal	354	1.78	-	38.70	9.25	31.98

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

06/01/2020



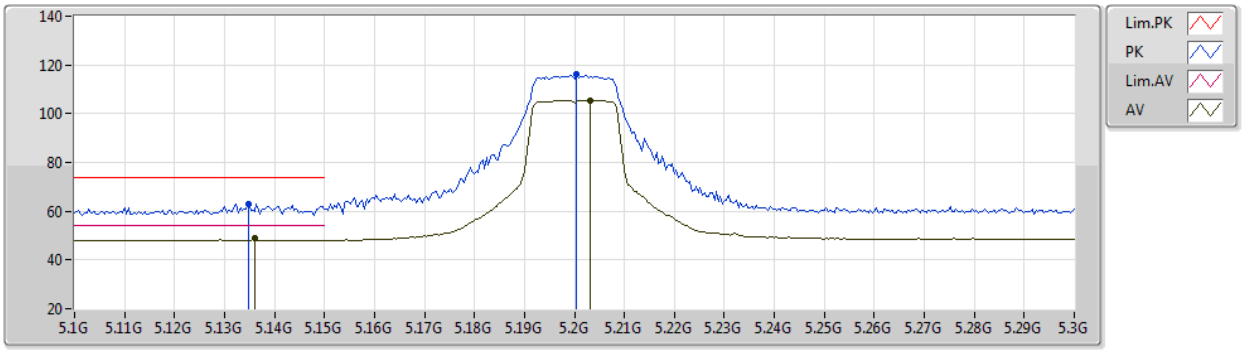
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1316G	61.26	74.00	-12.74	52.14	3	Vertical	1	2.01	-	33.53	5.97	30.38
AV	5.1008G	47.80	54.00	-6.20	38.72	3	Vertical	1	2.01	-	33.50	5.95	30.37
PK	5.2012G	91.52	Inf	-Inf	82.32	3	Vertical	1	2.01	-	33.60	6.00	30.40
AV	5.2016G	81.03	Inf	-Inf	71.83	3	Vertical	1	2.01	-	33.60	6.00	30.40

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

06/01/2020



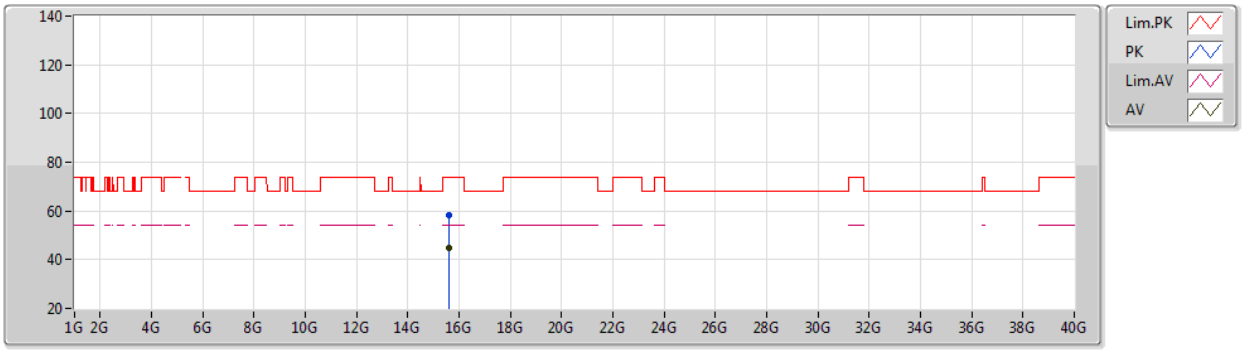
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1348G	63.02	74.00	-10.98	53.90	3	Horizontal	1	2.01	-	33.53	5.97	30.38
AV	5.136G	48.79	54.00	-5.21	39.66	3	Horizontal	1	2.01	-	33.54	5.97	30.38
PK	5.2004G	116.01	Inf	-Inf	106.81	3	Horizontal	1	2.01	-	33.60	6.00	30.40
AV	5.2032G	105.56	Inf	-Inf	96.35	3	Horizontal	1	2.01	-	33.61	6.00	30.40

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

06/01/2020



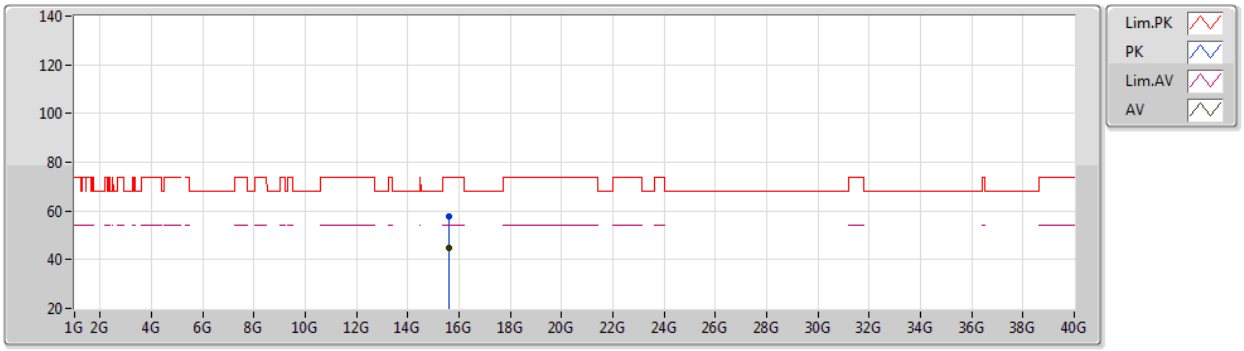
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5955G	58.17	74.00	-15.83	42.32	3	Vertical	151	2.25	-	38.57	9.27	31.99
AV	15.60402G	44.77	54.00	-9.23	28.94	3	Vertical	151	2.25	-	38.55	9.27	31.99

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

06/01/2020



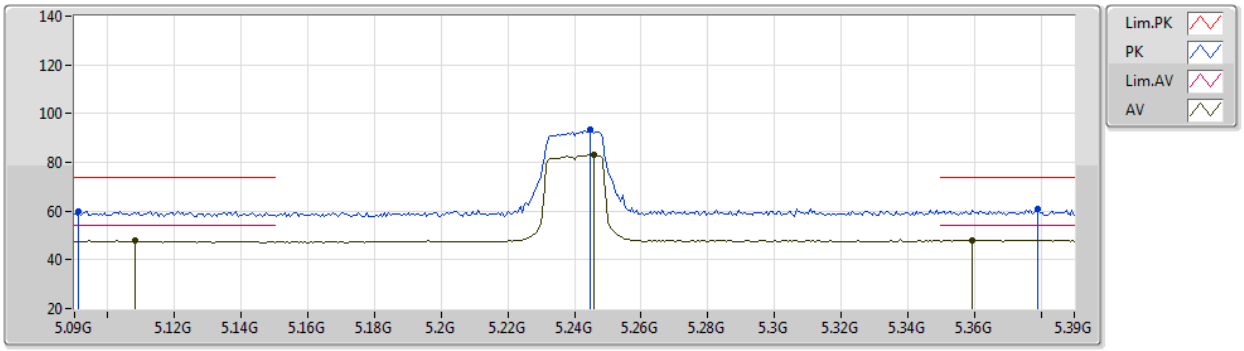
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.61272G	57.59	74.00	-16.41	41.79	3	Horizontal	250	1.02	-	38.52	9.27	31.99
AV	15.58596G	44.85	54.00	-9.15	28.98	3	Horizontal	250	1.02	-	38.60	9.26	31.99

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

06/01/2020



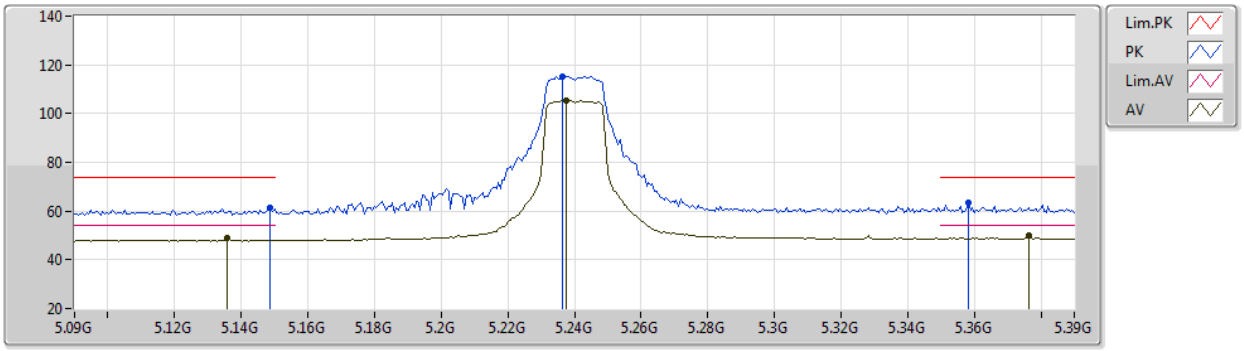
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.0912G	60.05	74.00	-13.95	50.99	3	Vertical	2	2.39	-	33.48	5.95	30.37
AV	5.108G	47.90	54.00	-6.10	38.81	3	Vertical	2	2.39	-	33.51	5.95	30.37
PK	5.2448G	93.44	Inf	-Inf	84.15	3	Vertical	2	2.39	-	33.69	6.02	30.42
AV	5.246G	83.10	Inf	-Inf	73.81	3	Vertical	2	2.39	-	33.69	6.02	30.42
PK	5.3792G	60.72	74.00	-13.28	51.21	3	Vertical	2	2.39	-	33.88	6.09	30.46
AV	5.3594G	47.98	54.00	-6.02	38.50	3	Vertical	2	2.39	-	33.86	6.08	30.46

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

06/01/2020



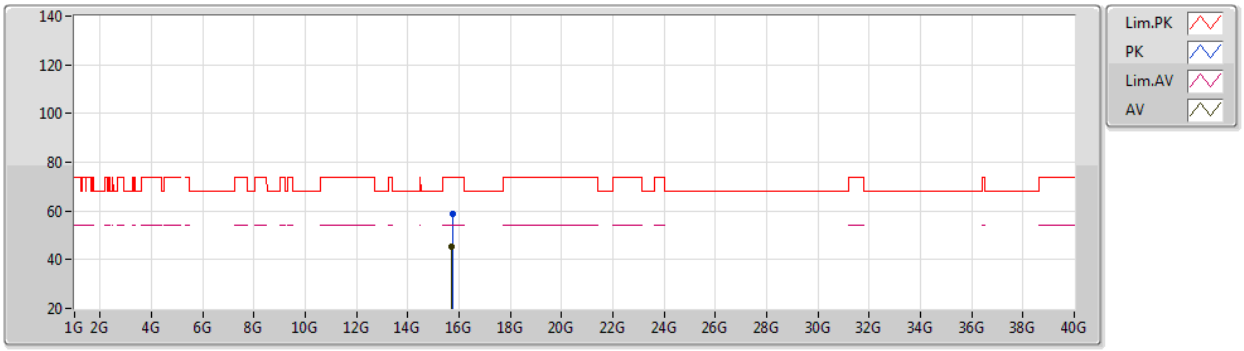
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1488G	61.53	74.00	-12.47	52.39	3	Horizontal	1	1.96	-	33.55	5.97	30.38
AV	5.1356G	48.81	54.00	-5.19	39.68	3	Horizontal	1	1.96	-	33.54	5.97	30.38
PK	5.2364G	115.42	Inf	-Inf	106.14	3	Horizontal	1	1.96	-	33.67	6.02	30.41
AV	5.2376G	105.24	Inf	-Inf	95.96	3	Horizontal	1	1.96	-	33.68	6.02	30.42
PK	5.3582G	63.44	74.00	-10.56	53.96	3	Horizontal	1	1.96	-	33.86	6.08	30.46
AV	5.3762G	49.90	54.00	-4.10	40.39	3	Horizontal	1	1.96	-	33.88	6.09	30.46

802.11a_Nss1,(6Mbps)_1TX

06/01/2020

5240MHz_TX



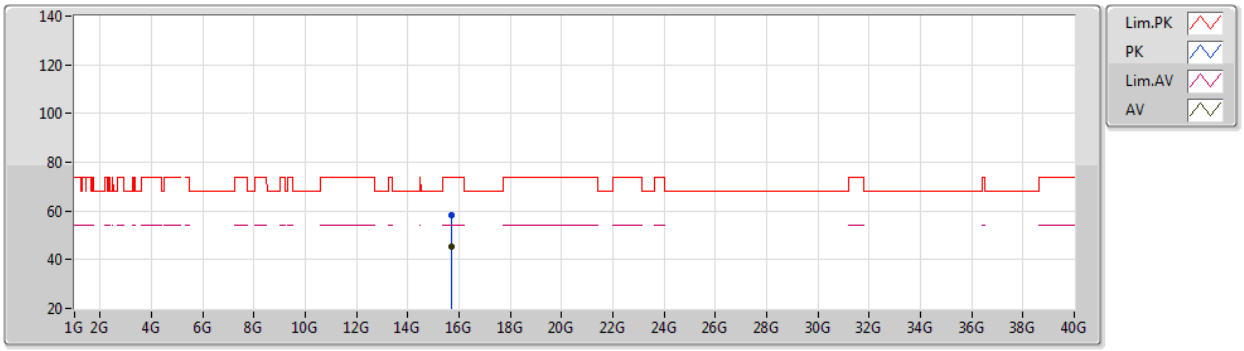
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.73068G	58.58	74.00	-15.42	43.11	3	Vertical	181	1.74	-	38.18	9.31	32.02
AV	15.72318G	45.24	54.00	-8.76	29.75	3	Vertical	181	1.74	-	38.20	9.31	32.02

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

06/01/2020



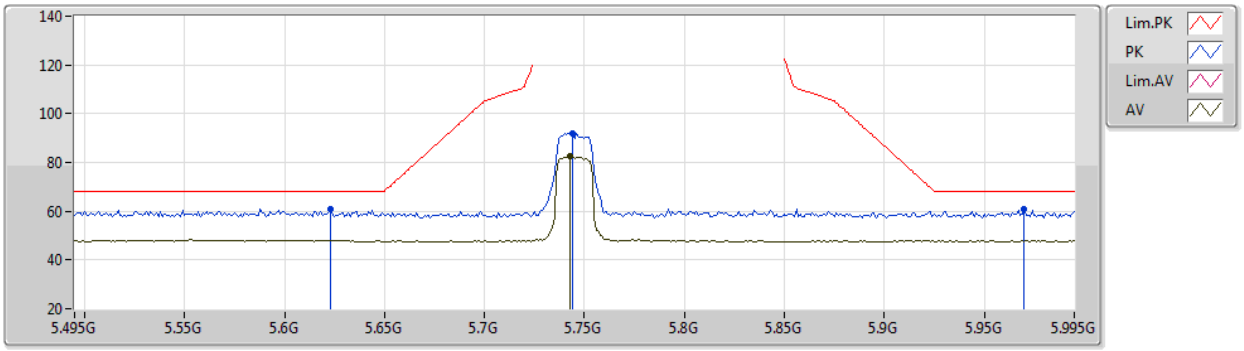
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.70962G	58.20	74.00	-15.80	42.68	3	Horizontal	228	2.14	-	38.24	9.30	32.02
AV	15.72084G	45.32	54.00	-8.68	29.82	3	Horizontal	228	2.14	-	38.21	9.31	32.02

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

06/01/2020



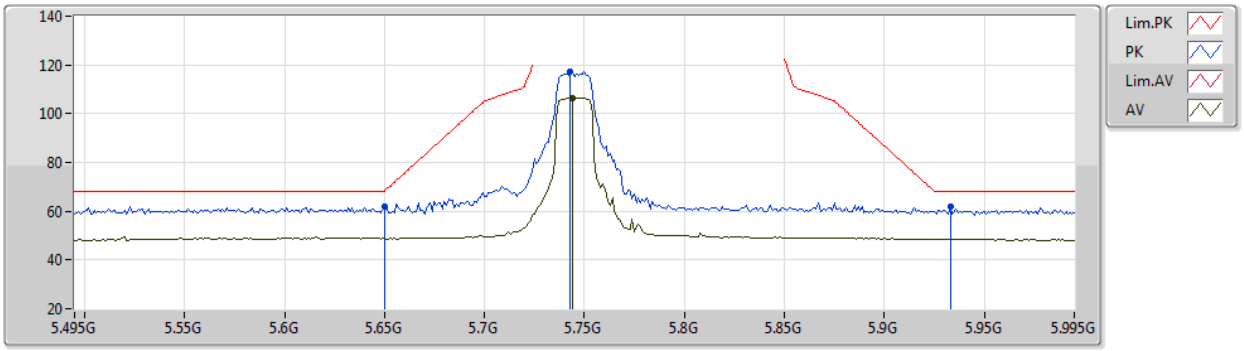
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.623G	60.83	68.20	-7.37	51.11	3	Vertical	332	1.50	-	33.95	6.31	30.54
PK	5.744G	91.90	Inf	-Inf	82.30	3	Vertical	332	1.50	-	33.80	6.37	30.57
AV	5.743G	82.33	Inf	-Inf	72.73	3	Vertical	332	1.50	-	33.80	6.37	30.57
PK	5.97G	60.77	68.20	-7.43	50.94	3	Vertical	332	1.50	-	34.14	6.31	30.62

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

06/01/2020



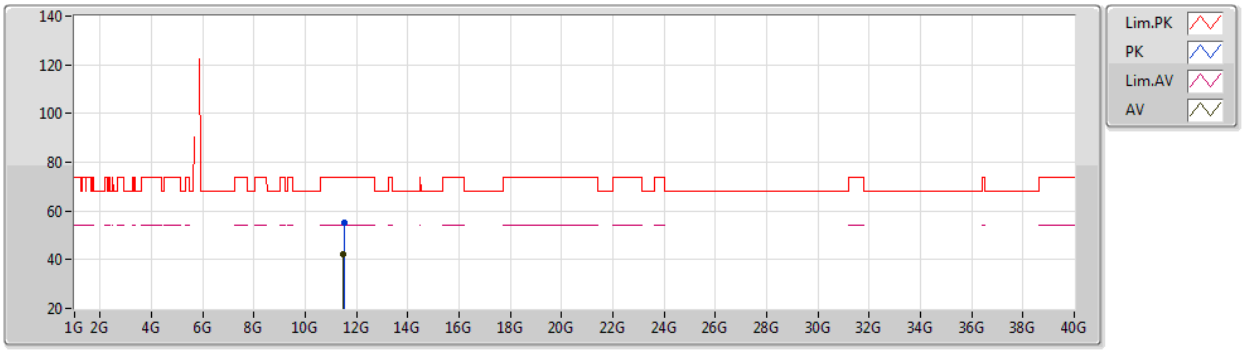
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.65G	62.09	68.20	-6.11	52.42	3	Horizontal	0	1.99	-	33.90	6.32	30.55
PK	5.743G	117.19	Inf	-Inf	107.59	3	Horizontal	0	1.99	-	33.80	6.37	30.57
AV	5.744G	106.61	Inf	-Inf	97.01	3	Horizontal	0	1.99	-	33.80	6.37	30.57
PK	5.933G	61.97	68.20	-6.23	52.19	3	Horizontal	0	1.99	-	34.07	6.33	30.62

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

06/01/2020



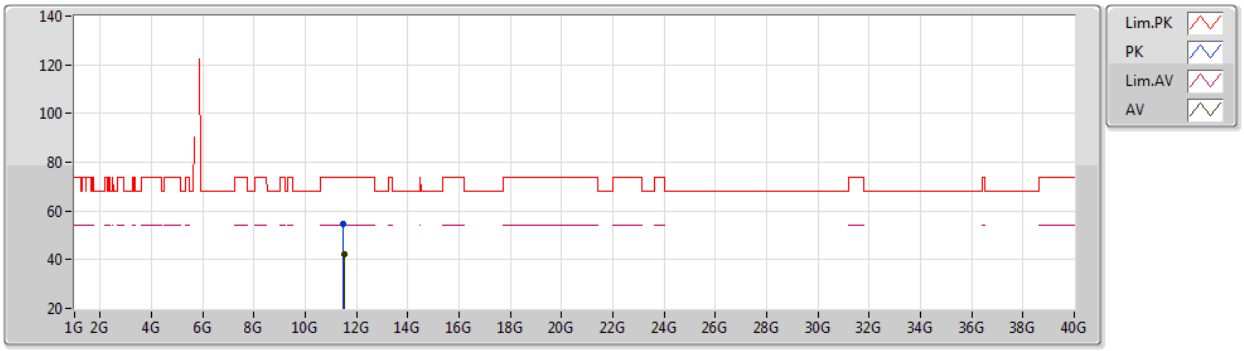
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.50236G	55.19	74.00	-18.81	39.14	3	Vertical	204	2.81	-	38.80	8.86	31.61
AV	11.49564G	42.25	54.00	-11.75	26.20	3	Vertical	204	2.81	-	38.80	8.85	31.60

802.11a_Nss1,(6Mbps)_1TX

06/01/2020

5745MHz_TX



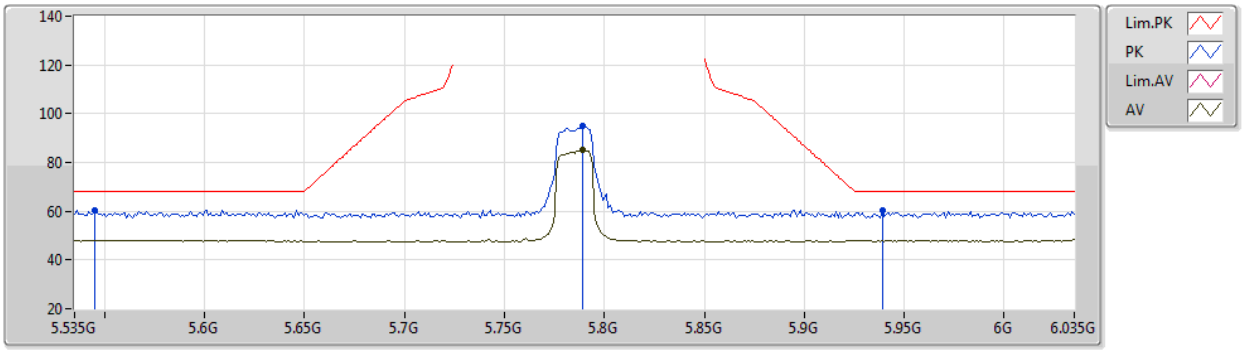
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.48694G	54.68	74.00	-19.32	38.64	3	Horizontal	126	2.11	-	38.79	8.85	31.60
AV	11.5047G	42.28	54.00	-11.72	26.23	3	Horizontal	126	2.11	-	38.80	8.86	31.61

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

06/01/2020



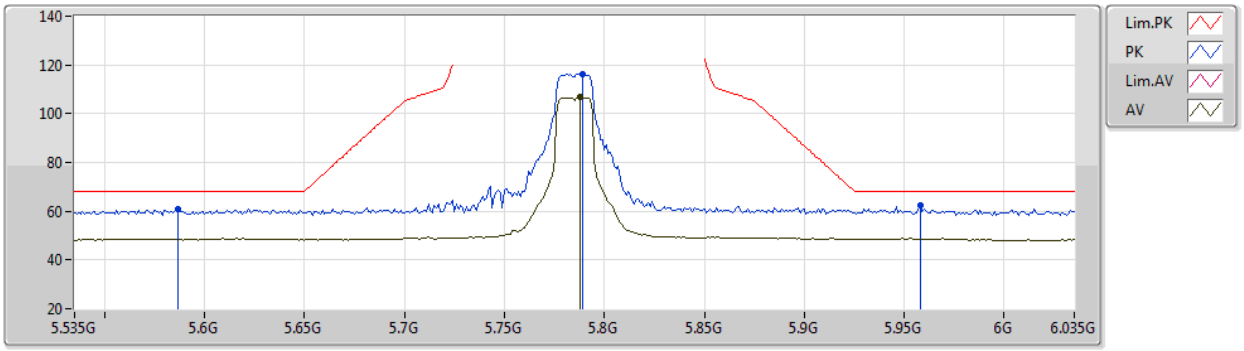
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.545G	60.54	68.20	-7.66	50.86	3	Vertical	321	1.75	-	33.95	6.25	30.52
PK	5.789G	94.75	Inf	-Inf	85.14	3	Vertical	321	1.75	-	33.80	6.39	30.58
AV	5.789G	84.95	Inf	-Inf	75.34	3	Vertical	321	1.75	-	33.80	6.39	30.58
PK	5.939G	60.25	68.20	-7.95	50.46	3	Vertical	321	1.75	-	34.08	6.33	30.62

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

06/01/2020



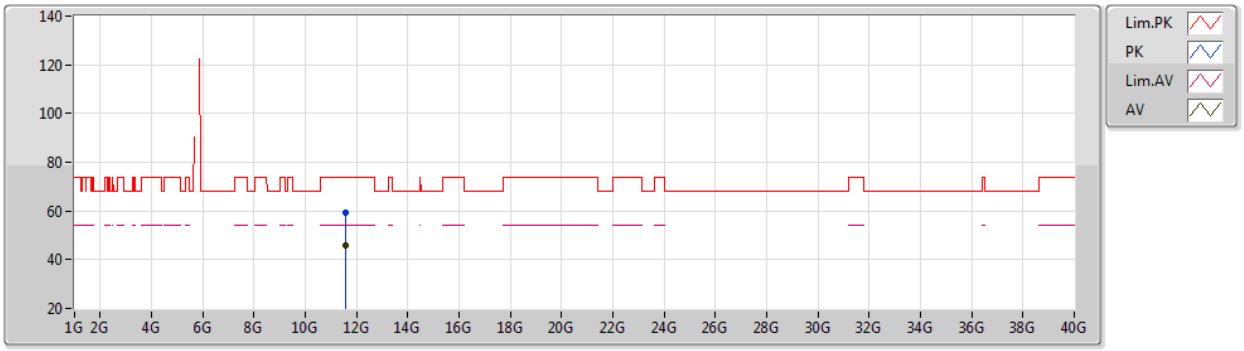
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.587G	61.07	68.20	-7.13	51.32	3	Horizontal	0	2.13	-	33.99	6.29	30.53
PK	5.789G	116.27	Inf	-Inf	106.66	3	Horizontal	0	2.13	-	33.80	6.39	30.58
AV	5.788G	106.81	Inf	-Inf	97.20	3	Horizontal	0	2.13	-	33.80	6.39	30.58
PK	5.958G	62.21	68.20	-5.99	52.39	3	Horizontal	0	2.13	-	34.12	6.32	30.62

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

06/01/2020



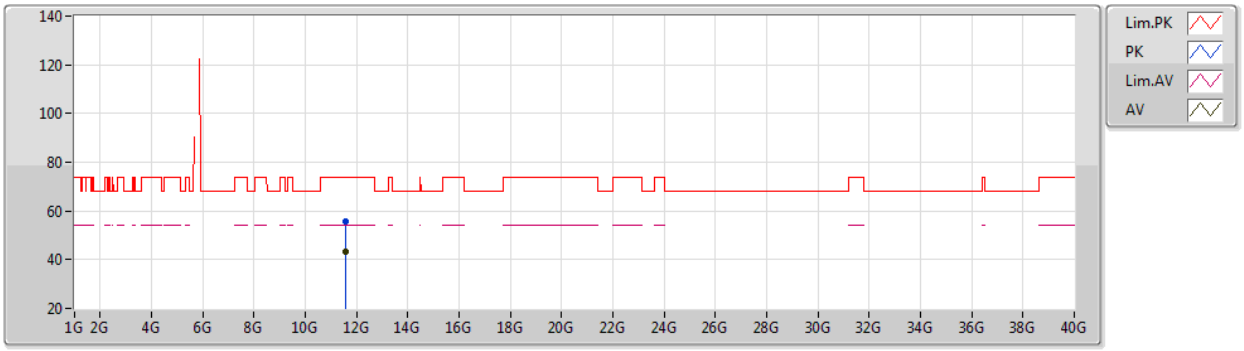
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.56988G	59.21	74.00	-14.79	43.10	3	Vertical	9	2.11	-	38.86	8.88	31.63
AV	11.57084G	45.73	54.00	-8.27	29.62	3	Vertical	9	2.11	-	38.86	8.88	31.63

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

06/01/2020



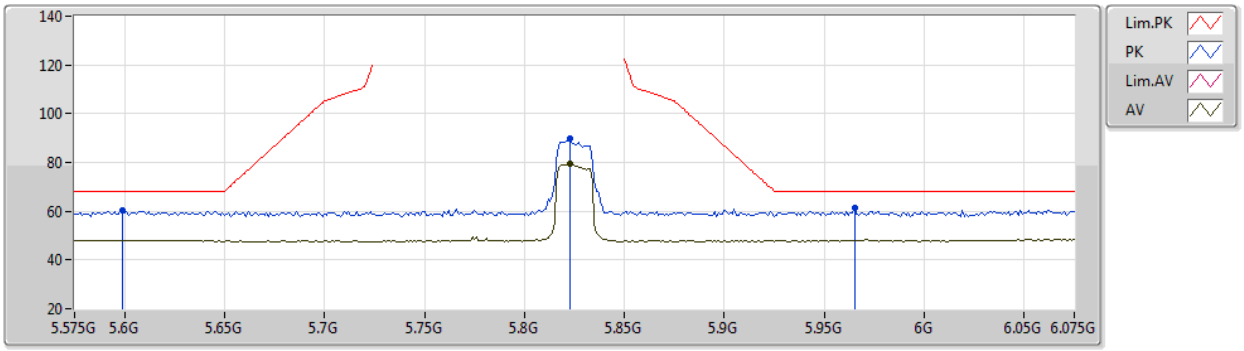
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5769G	55.58	74.00	-18.42	39.47	3	Horizontal	187	2.51	-	38.86	8.88	31.63
AV	11.57462G	43.37	54.00	-10.63	27.26	3	Horizontal	187	2.51	-	38.86	8.88	31.63

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

06/01/2020



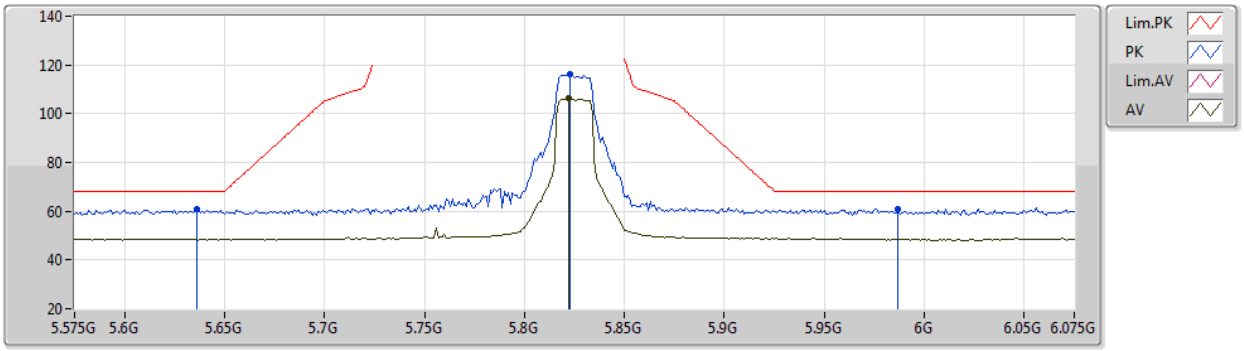
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.599G	60.58	68.20	-7.62	50.81	3	Vertical	360	2.10	-	34.00	6.30	30.53
PK	5.823G	89.68	Inf	-Inf	80.03	3	Vertical	360	2.10	-	33.85	6.39	30.59
AV	5.823G	79.29	Inf	-Inf	69.64	3	Vertical	360	2.10	-	33.85	6.39	30.59
PK	5.965G	61.33	68.20	-6.87	51.50	3	Vertical	360	2.10	-	34.13	6.32	30.62

802.11a_Nss1,(6Mbps)_1TX

06/01/2020

5825MHz_TX



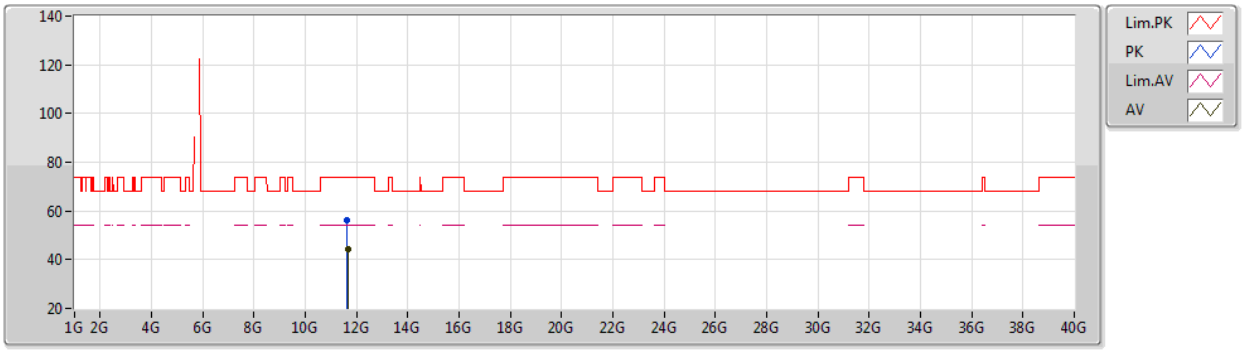
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.636G	60.74	68.20	-7.46	51.03	3	Horizontal	360	2.10	-	33.93	6.32	30.54
PK	5.823G	116.05	Inf	-Inf	106.40	3	Horizontal	360	2.10	-	33.85	6.39	30.59
AV	5.822G	106.20	Inf	-Inf	96.56	3	Horizontal	360	2.10	-	33.84	6.39	30.59
PK	5.987G	61.01	68.20	-7.19	51.16	3	Horizontal	360	2.10	-	34.17	6.31	30.63

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

06/01/2020



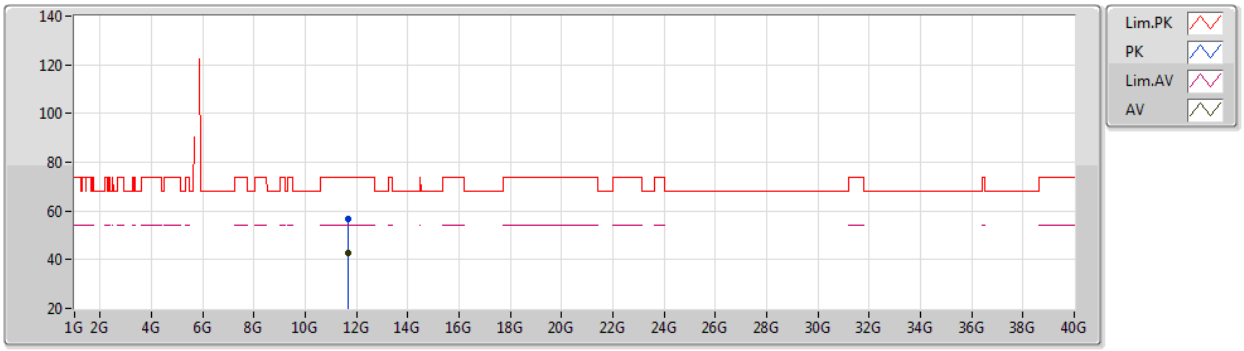
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.63554G	56.35	74.00	-17.65	40.20	3	Vertical	88	2.23	-	38.91	8.89	31.65
AV	11.6512G	44.49	54.00	-9.51	28.32	3	Vertical	88	2.23	-	38.92	8.90	31.65

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

06/01/2020



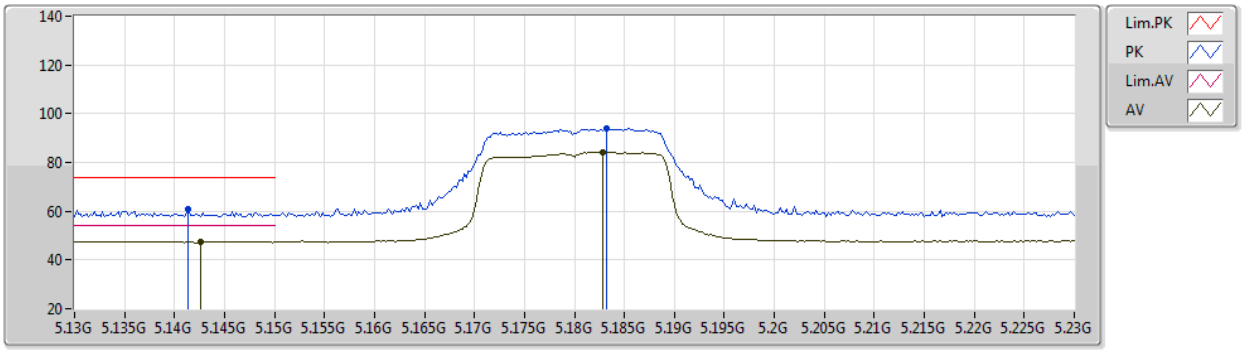
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.64868G	56.79	74.00	-17.21	40.62	3	Horizontal	141	1.73	-	38.92	8.90	31.65
AV	11.65474G	42.87	54.00	-11.13	26.70	3	Horizontal	141	1.73	-	38.92	8.90	31.65

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5180MHz_TX



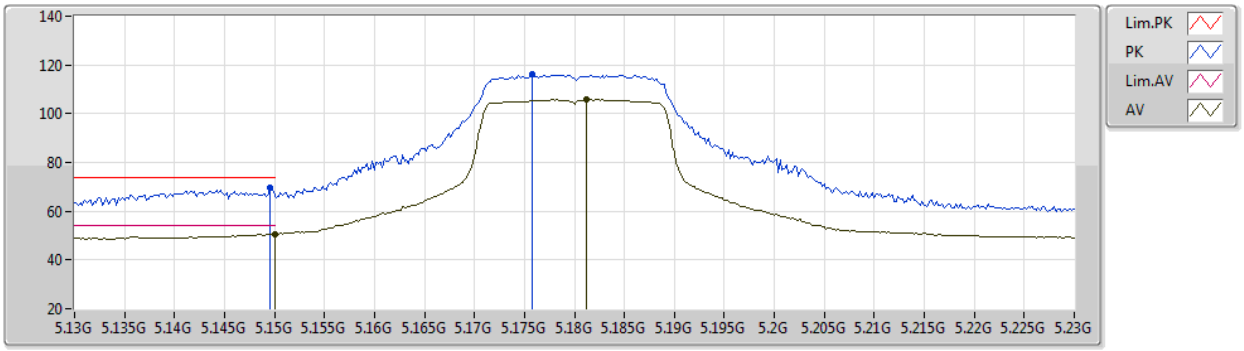
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1414G	60.63	74.00	-13.37	51.50	3	Vertical	6	2.31	-	33.54	5.97	30.38
AV	5.1426G	47.60	54.00	-6.40	38.47	3	Vertical	6	2.31	-	33.54	5.97	30.38
PK	5.1832G	93.79	Inf	-Inf	84.61	3	Vertical	6	2.31	-	33.58	5.99	30.39
AV	5.1828G	84.08	Inf	-Inf	74.90	3	Vertical	6	2.31	-	33.58	5.99	30.39

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5180MHz_TX



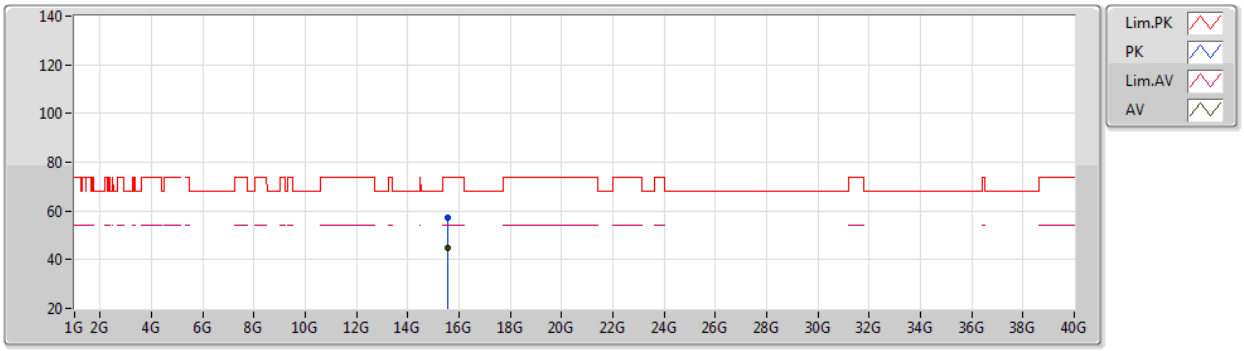
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	69.44	74.00	-4.56	60.30	3	Horizontal	0	1.80	-	33.55	5.97	30.38
AV	5.15G	50.68	54.00	-3.32	41.54	3	Horizontal	0	1.80	-	33.55	5.97	30.38
PK	5.1758G	115.97	Inf	-Inf	106.79	3	Horizontal	0	1.80	-	33.58	5.99	30.39
AV	5.1812G	105.72	Inf	-Inf	96.54	3	Horizontal	0	1.80	-	33.58	5.99	30.39

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5180MHz_TX



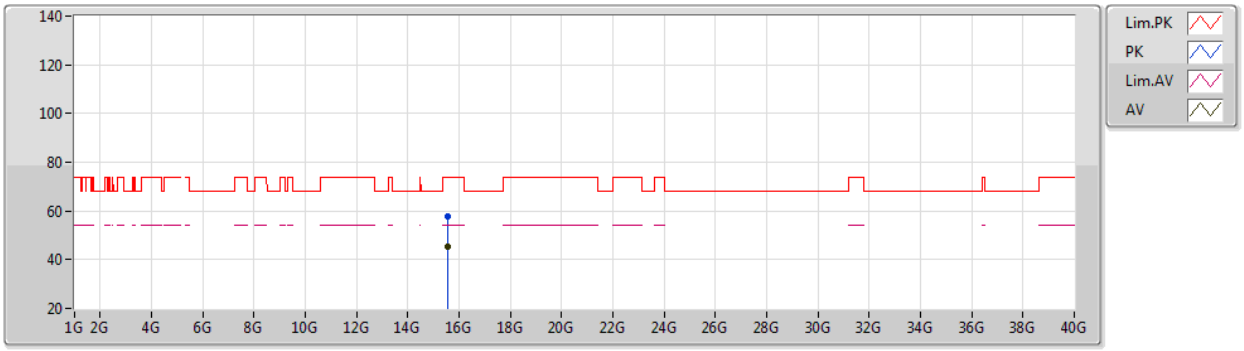
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.53694G	57.19	74.00	-16.81	41.18	3	Vertical	300	2.77	-	38.74	9.25	31.98
AV	15.5511G	44.97	54.00	-9.03	29.00	3	Vertical	300	2.77	-	38.70	9.25	31.98

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

06/01/2020



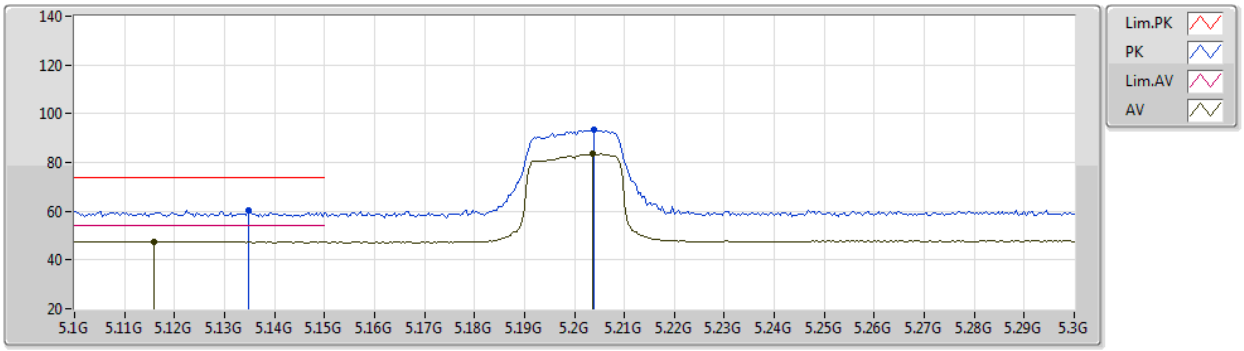
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.54858G	57.90	74.00	-16.10	41.92	3	Horizontal	201	1.99	-	38.71	9.25	31.98
AV	15.54396G	45.16	54.00	-8.84	29.17	3	Horizontal	201	1.99	-	38.72	9.25	31.98

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

06/01/2020



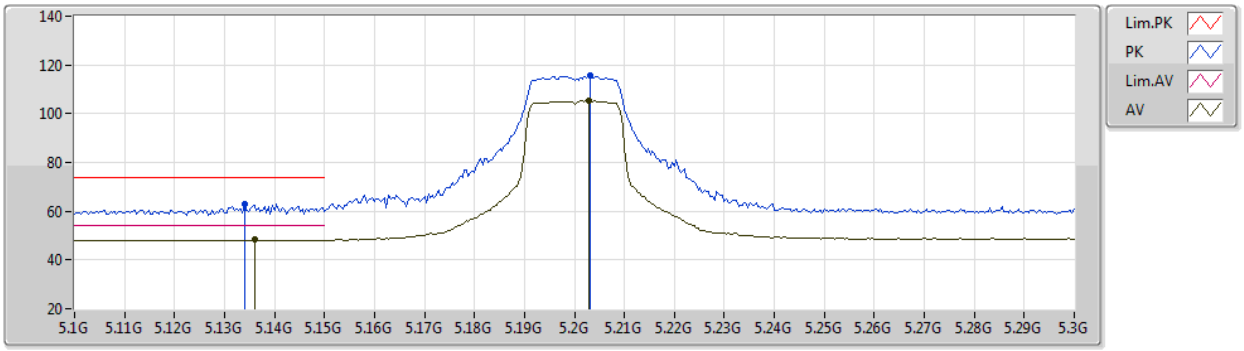
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1348G	60.60	74.00	-13.40	51.48	3	Vertical	14	2.42	-	33.53	5.97	30.38
AV	5.116G	47.65	54.00	-6.35	38.54	3	Vertical	14	2.42	-	33.52	5.96	30.37
PK	5.204G	93.22	Inf	-Inf	84.01	3	Vertical	14	2.42	-	33.61	6.00	30.40
AV	5.2036G	83.52	Inf	-Inf	74.31	3	Vertical	14	2.42	-	33.61	6.00	30.40

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5200MHz_TX



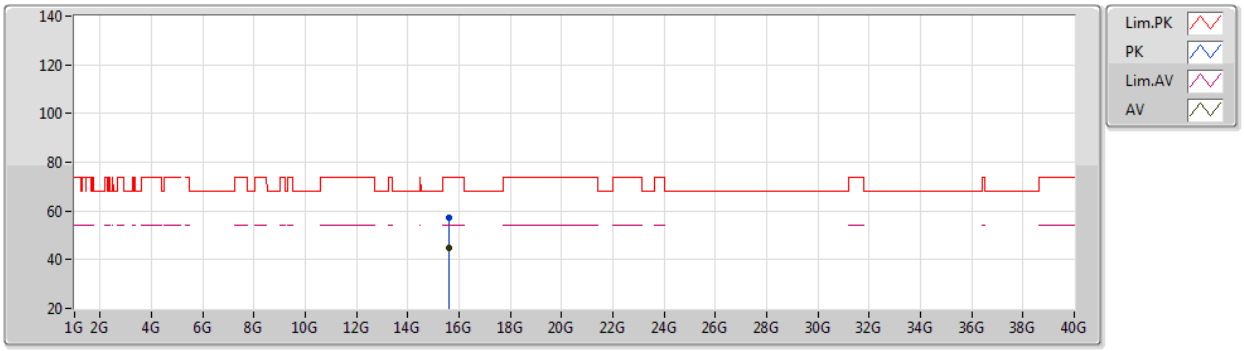
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.134G	62.96	74.00	-11.04	53.84	3	Horizontal	0	2.02	-	33.53	5.97	30.38
AV	5.136G	48.47	54.00	-5.53	39.34	3	Horizontal	0	2.02	-	33.54	5.97	30.38
PK	5.2032G	115.66	Inf	-Inf	106.45	3	Horizontal	0	2.02	-	33.61	6.00	30.40
AV	5.2028G	105.17	Inf	-Inf	95.96	3	Horizontal	0	2.02	-	33.61	6.00	30.40

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

06/01/2020



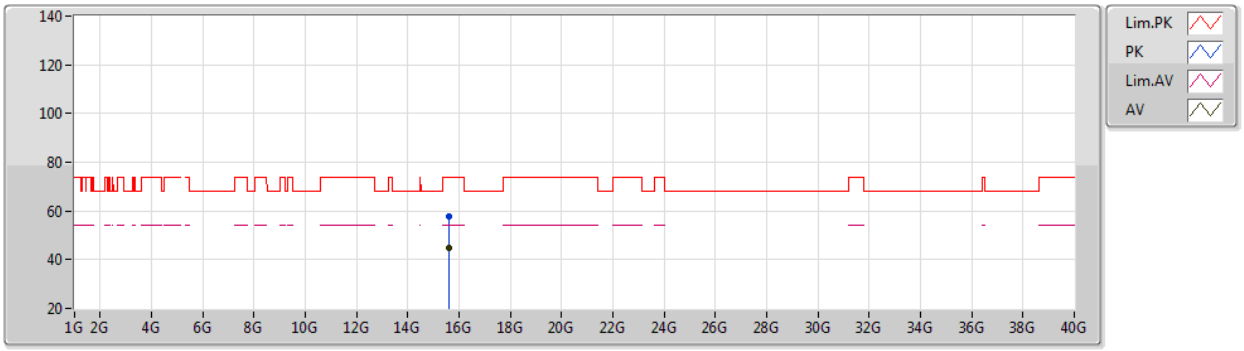
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.58902G	57.50	74.00	-16.50	41.64	3	Vertical	205	2.33	-	38.59	9.26	31.99
AV	15.60138G	44.77	54.00	-9.23	28.93	3	Vertical	205	2.33	-	38.56	9.27	31.99

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

06/01/2020



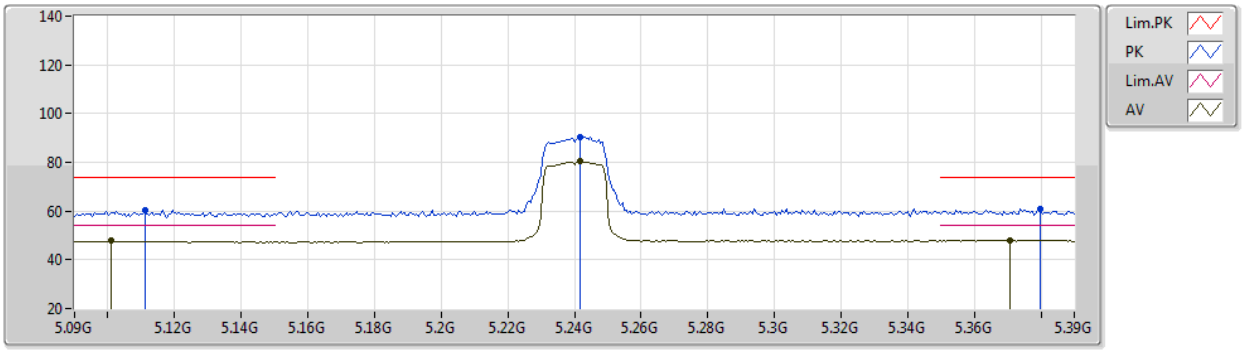
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.59472G	57.69	74.00	-16.31	41.83	3	Horizontal	269	1.70	-	38.58	9.27	31.99
AV	15.5892G	44.79	54.00	-9.21	28.93	3	Horizontal	269	1.70	-	38.59	9.26	31.99

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

06/01/2020



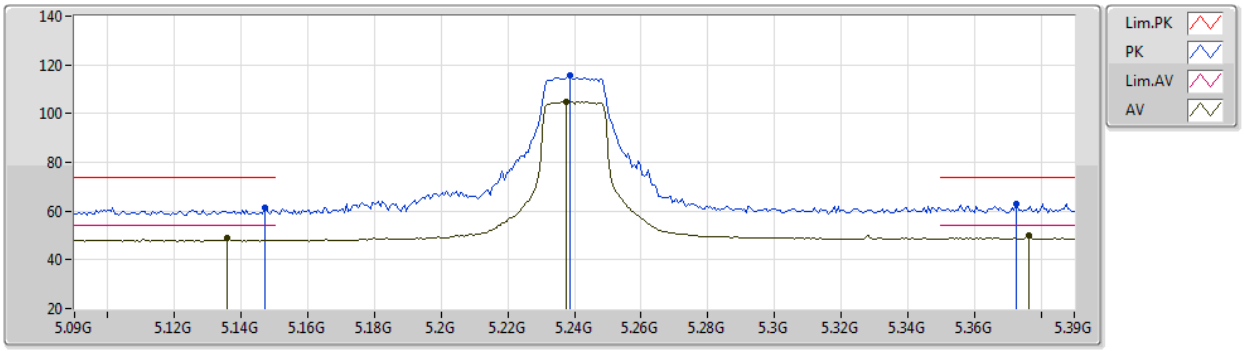
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.111G	60.31	74.00	-13.69	51.21	3	Vertical	0	1.96	-	33.51	5.96	30.37
AV	5.1008G	47.68	54.00	-6.32	38.60	3	Vertical	0	1.96	-	33.50	5.95	30.37
PK	5.2418G	90.47	Inf	-Inf	81.19	3	Vertical	0	1.96	-	33.68	6.02	30.42
AV	5.2418G	80.48	Inf	-Inf	71.20	3	Vertical	0	1.96	-	33.68	6.02	30.42
PK	5.3798G	60.86	74.00	-13.14	51.35	3	Vertical	0	1.96	-	33.88	6.09	30.46
AV	5.3708G	48.03	54.00	-5.97	38.53	3	Vertical	0	1.96	-	33.87	6.09	30.46

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

06/01/2020



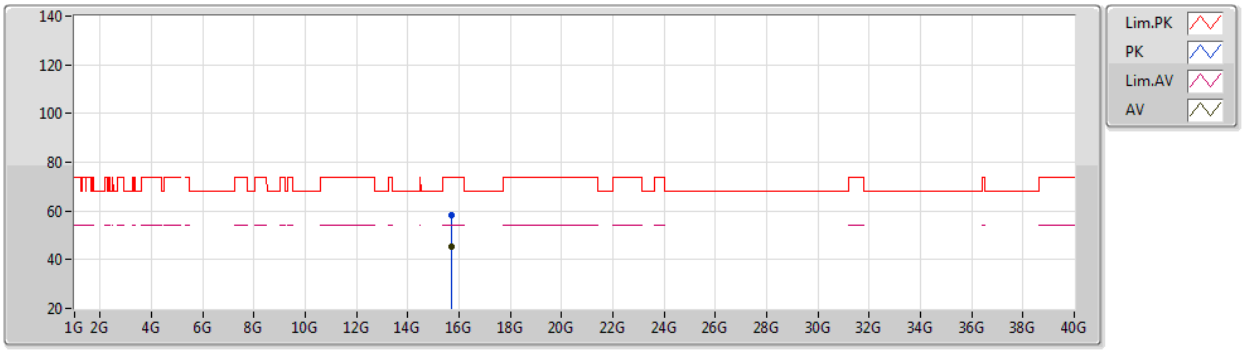
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.147G	61.30	74.00	-12.70	52.16	3	Horizontal	0	1.96	-	33.55	5.97	30.38
AV	5.1356G	48.80	54.00	-5.20	39.67	3	Horizontal	0	1.96	-	33.54	5.97	30.38
PK	5.2388G	115.53	Inf	-Inf	106.25	3	Horizontal	0	1.96	-	33.68	6.02	30.42
AV	5.2376G	104.91	Inf	-Inf	95.63	3	Horizontal	0	1.96	-	33.68	6.02	30.42
PK	5.3726G	62.91	74.00	-11.09	53.41	3	Horizontal	0	1.96	-	33.87	6.09	30.46
AV	5.3762G	49.90	54.00	-4.10	40.39	3	Horizontal	0	1.96	-	33.88	6.09	30.46

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

06/01/2020



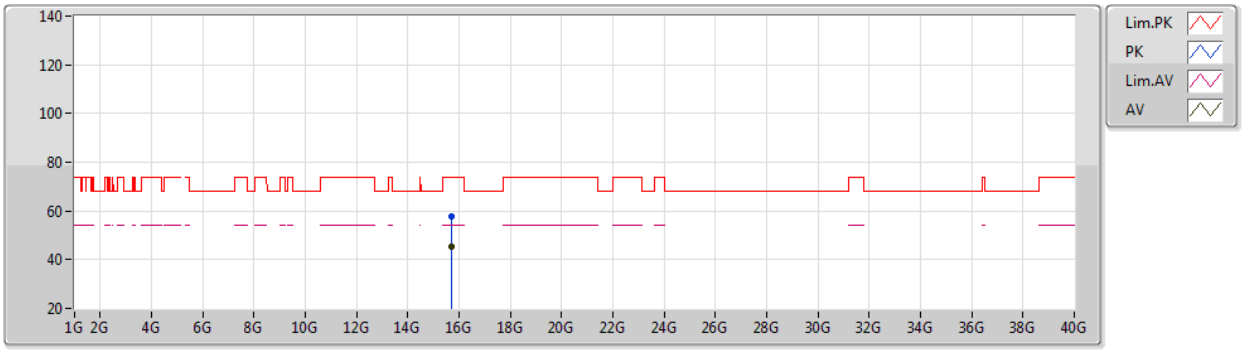
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.7146G	58.12	74.00	-15.88	42.60	3	Vertical	0	1.23	-	38.23	9.31	32.02
AV	15.72312G	45.41	54.00	-8.59	29.92	3	Vertical	0	1.23	-	38.20	9.31	32.02

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

06/01/2020



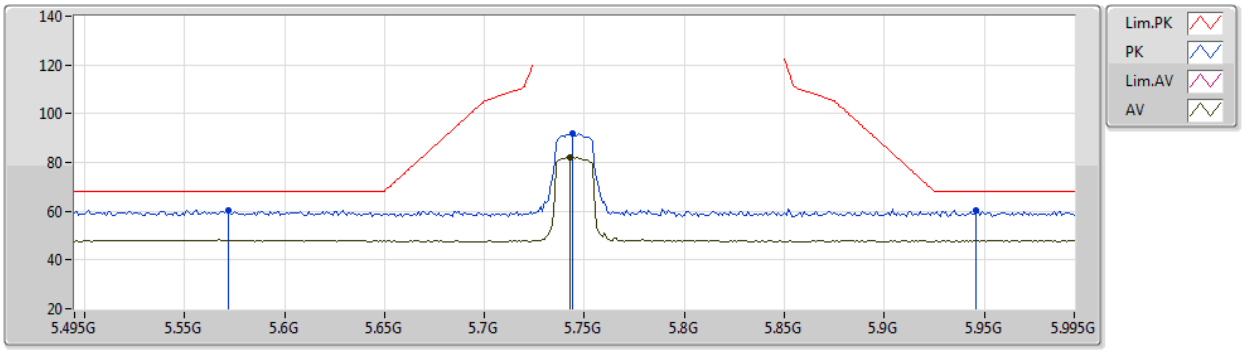
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.71412G	57.87	74.00	-16.13	42.35	3	Horizontal	110	2.59	-	38.23	9.31	32.02
AV	15.72576G	45.15	54.00	-8.85	29.66	3	Horizontal	110	2.59	-	38.20	9.31	32.02

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5745MHz_TX



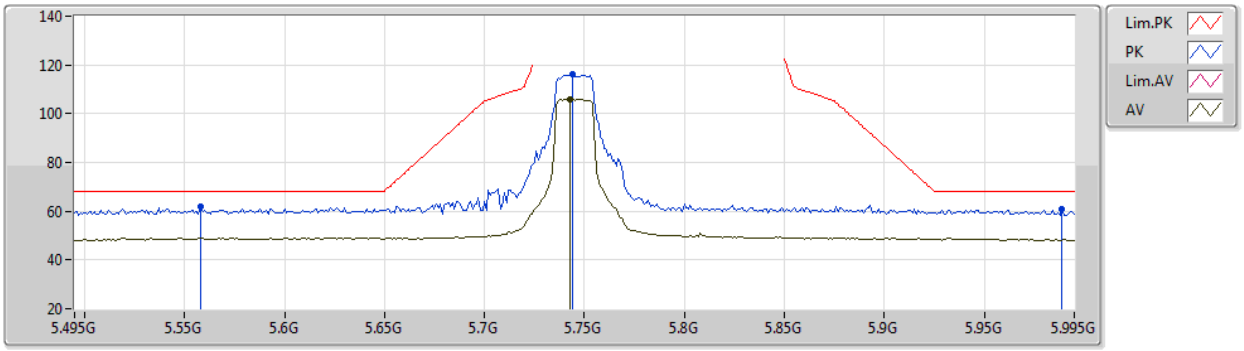
EUT Y_1TX
Setting 16
02-A-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.572G	60.47	68.20	-7.73	50.75	3	Vertical	332	1.50	-	33.97	6.27	30.52
PK	5.744G	92.06	Inf	-Inf	82.46	3	Vertical	332	1.50	-	33.80	6.37	30.57
AV	5.743G	82.23	Inf	-Inf	72.63	3	Vertical	332	1.50	-	33.80	6.37	30.57
PK	5.946G	60.27	68.20	-7.93	50.47	3	Vertical	332	1.50	-	34.09	6.33	30.62

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5745MHz_TX



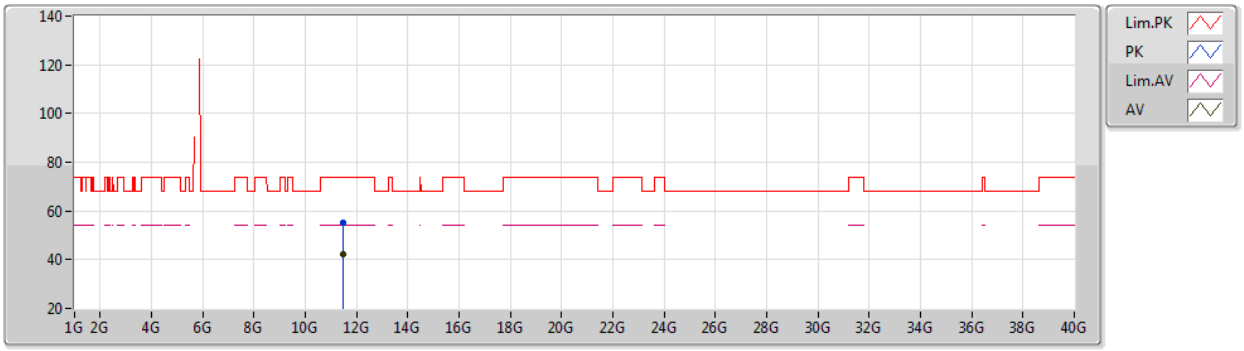
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.558G	62.14	68.20	-6.06	52.44	3	Horizontal	1	1.96	-	33.96	6.26	30.52
PK	5.744G	116.11	Inf	-Inf	106.51	3	Horizontal	1	1.96	-	33.80	6.37	30.57
AV	5.743G	106.03	Inf	-Inf	96.43	3	Horizontal	1	1.96	-	33.80	6.37	30.57
PK	5.989G	60.64	68.20	-7.56	50.78	3	Horizontal	1	1.96	-	34.18	6.31	30.63

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5745MHz_TX



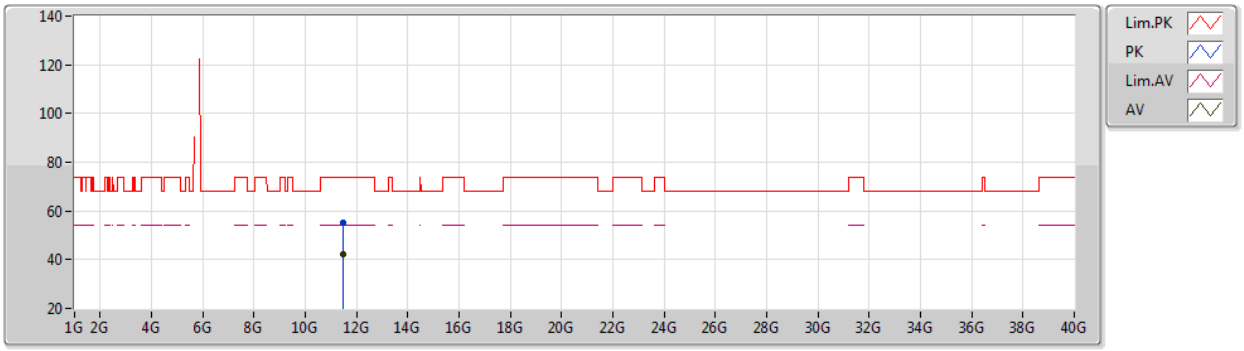
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.49036G	55.17	74.00	-18.83	39.13	3	Vertical	356	1.74	-	38.79	8.85	31.60
AV	11.49036G	42.16	54.00	-11.84	26.12	3	Vertical	356	1.74	-	38.79	8.85	31.60

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5745MHz_TX



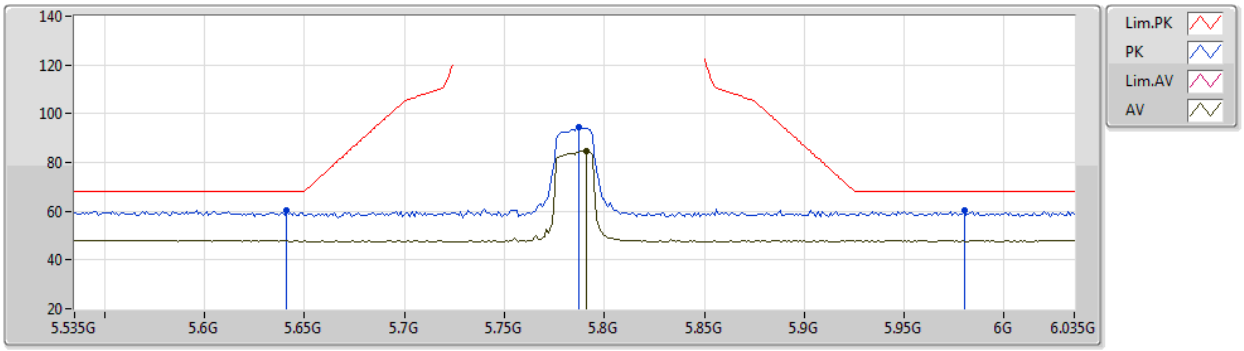
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.48574G	55.33	74.00	-18.67	39.29	3	Horizontal	294	2.54	-	38.79	8.85	31.60
AV	11.48874G	42.48	54.00	-11.52	26.44	3	Horizontal	294	2.54	-	38.79	8.85	31.60

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5785MHz_TX



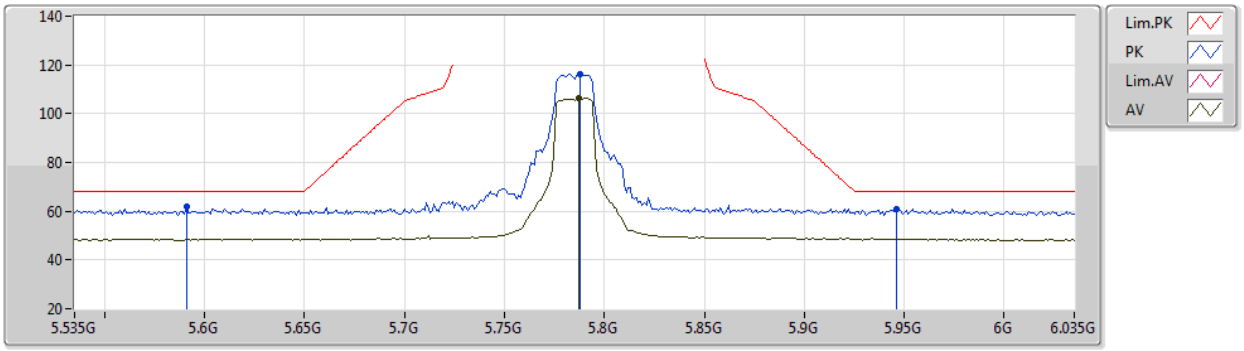
EUT Y_1TX
Setting 16
02-A-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.641G	60.54	68.20	-7.66	50.84	3	Vertical	315	1.76	-	33.92	6.32	30.54
PK	5.787G	94.28	Inf	-Inf	84.67	3	Vertical	315	1.76	-	33.80	6.39	30.58
AV	5.791G	84.71	Inf	-Inf	75.09	3	Vertical	315	1.76	-	33.80	6.40	30.58
PK	5.98G	60.39	68.20	-7.81	50.55	3	Vertical	315	1.76	-	34.16	6.31	30.63

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5785MHz_TX



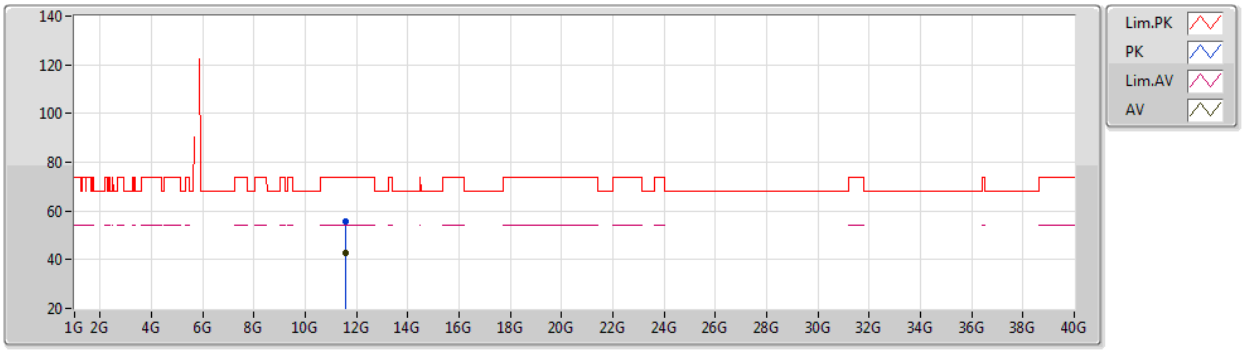
EUT Y_1TX
Setting 16
02-A-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.591G	61.67	68.20	-6.53	51.92	3	Horizontal	0	2.14	-	33.99	6.29	30.53
PK	5.788G	116.06	Inf	-Inf	106.45	3	Horizontal	0	2.14	-	33.80	6.39	30.58
AV	5.787G	106.20	Inf	-Inf	96.59	3	Horizontal	0	2.14	-	33.80	6.39	30.58
PK	5.946G	61.01	68.20	-7.19	51.21	3	Horizontal	0	2.14	-	34.09	6.33	30.62

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5785MHz_TX



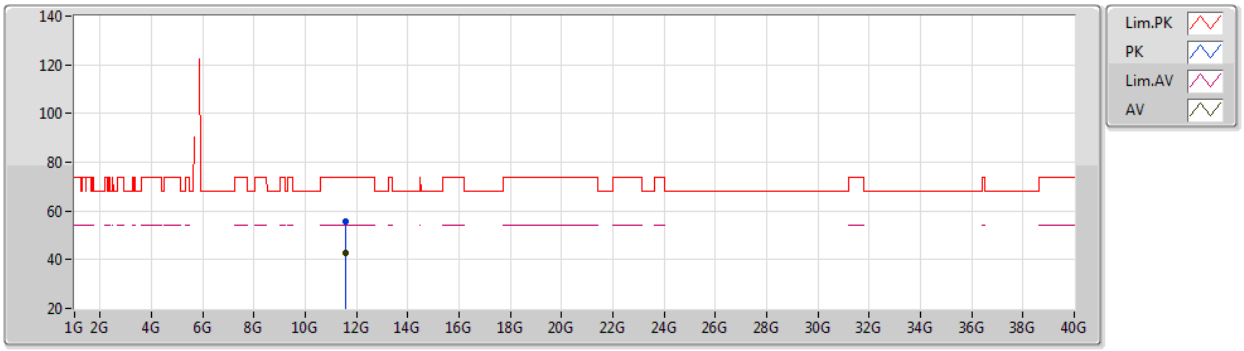
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5802G	55.46	74.00	-18.54	39.35	3	Vertical	119	1.94	-	38.86	8.88	31.63
AV	11.57372G	42.76	54.00	-11.24	26.65	3	Vertical	119	1.94	-	38.86	8.88	31.63

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5785MHz_TX



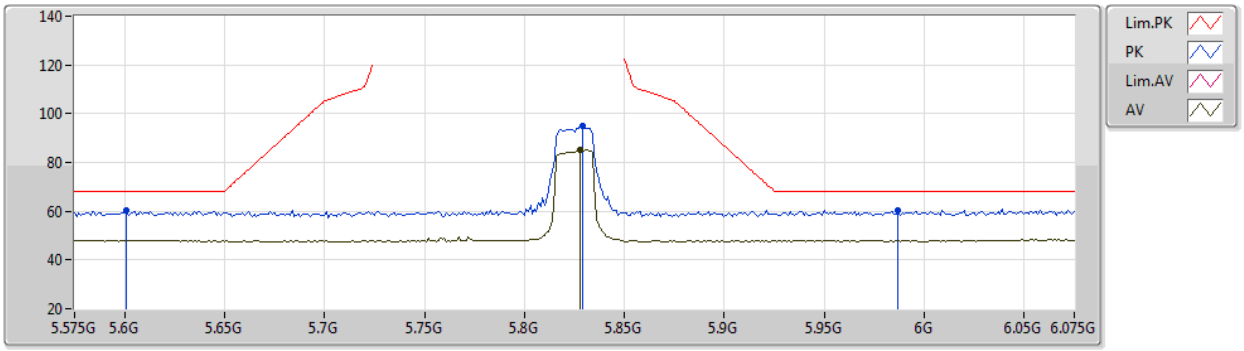
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.57072G	55.60	74.00	-18.40	39.49	3	Horizontal	148	2.41	-	38.86	8.88	31.63
AV	11.58446G	42.86	54.00	-11.14	26.74	3	Horizontal	148	2.41	-	38.87	8.88	31.63

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5825MHz_TX



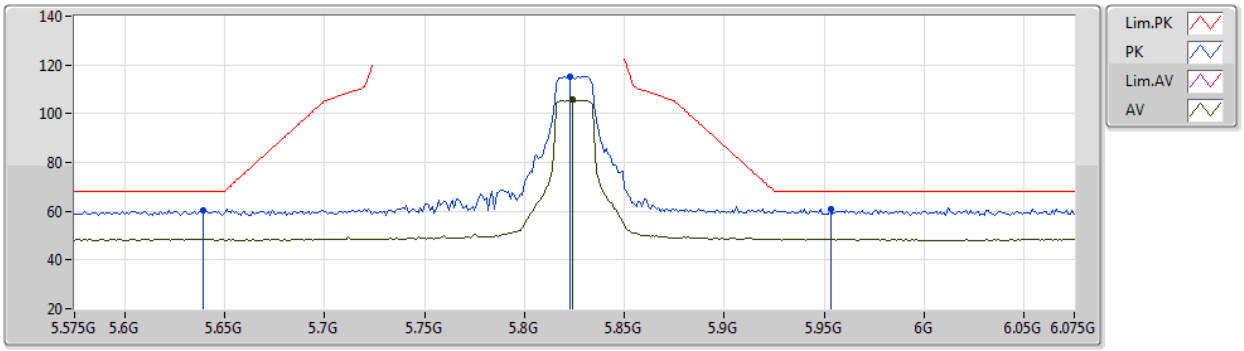
EUT Y_1TX
Setting 16
02-A-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.601G	60.21	68.20	-7.99	50.44	3	Vertical	317	1.82	-	34.00	6.30	30.53
PK	5.829G	94.85	Inf	-Inf	85.19	3	Vertical	317	1.82	-	33.86	6.39	30.59
AV	5.828G	84.96	Inf	-Inf	75.30	3	Vertical	317	1.82	-	33.86	6.39	30.59
PK	5.987G	60.20	68.20	-8.00	50.35	3	Vertical	317	1.82	-	34.17	6.31	30.63

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5825MHz_TX



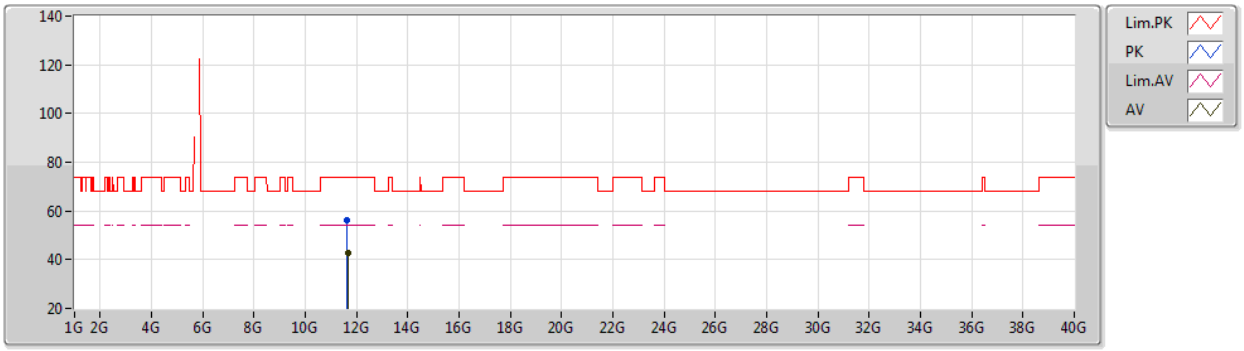
EUT Y_1TX
Setting 16
02-A-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.639G	60.29	68.20	-7.91	50.59	3	Horizontal	0	1.92	-	33.92	6.32	30.54
PK	5.823G	115.36	Inf	-Inf	105.71	3	Horizontal	0	1.92	-	33.85	6.39	30.59
AV	5.824G	105.62	Inf	-Inf	95.97	3	Horizontal	0	1.92	-	33.85	6.39	30.59
PK	5.953G	60.85	68.20	-7.35	51.04	3	Horizontal	0	1.92	-	34.11	6.32	30.62

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5825MHz_TX



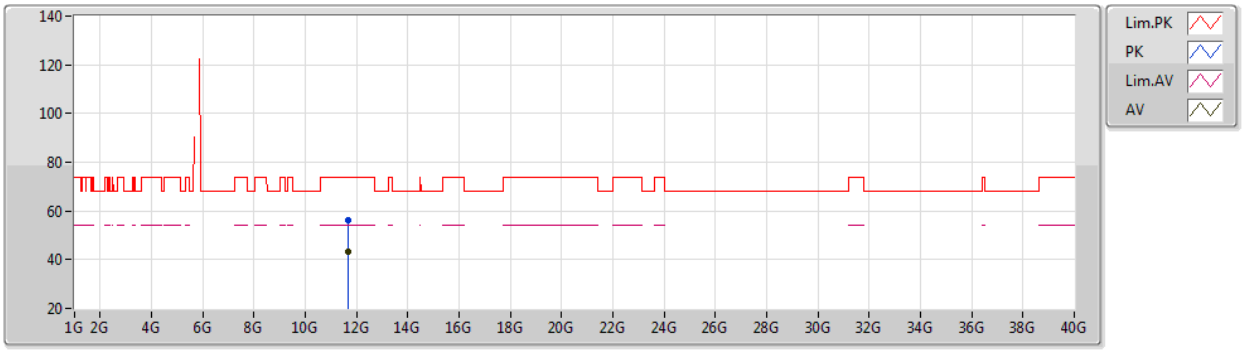
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.64676G	56.27	74.00	-17.73	40.10	3	Vertical	258	1.31	-	38.92	8.90	31.65
AV	11.65036G	42.80	54.00	-11.20	26.63	3	Vertical	258	1.31	-	38.92	8.90	31.65

802.11ac VHT20_Nss1,(MCS0)_1TX

06/01/2020

5825MHz_TX



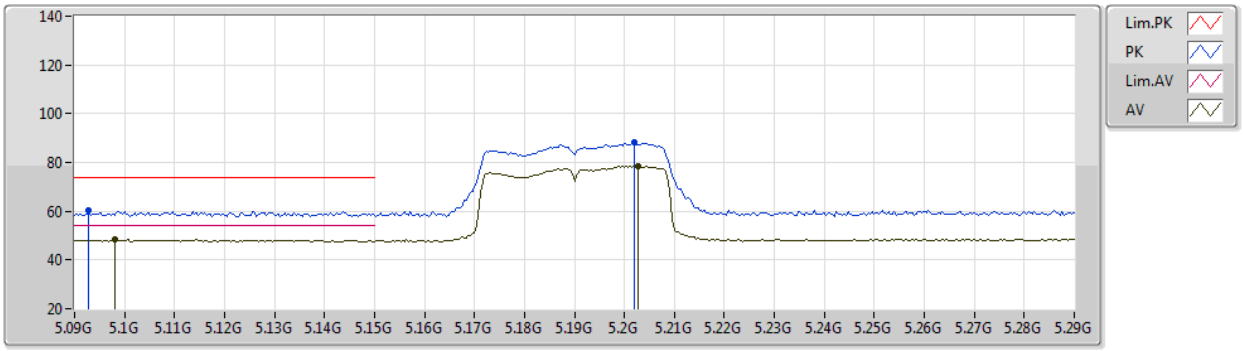
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.64832G	56.34	74.00	-17.66	40.17	3	Horizontal	249	1.20	-	38.92	8.90	31.65
AV	11.64988G	43.20	54.00	-10.80	27.03	3	Horizontal	249	1.20	-	38.92	8.90	31.65

802.11ac VHT40_Nss1,(MCS0)_1TX

5190MHz_TX

06/01/2020



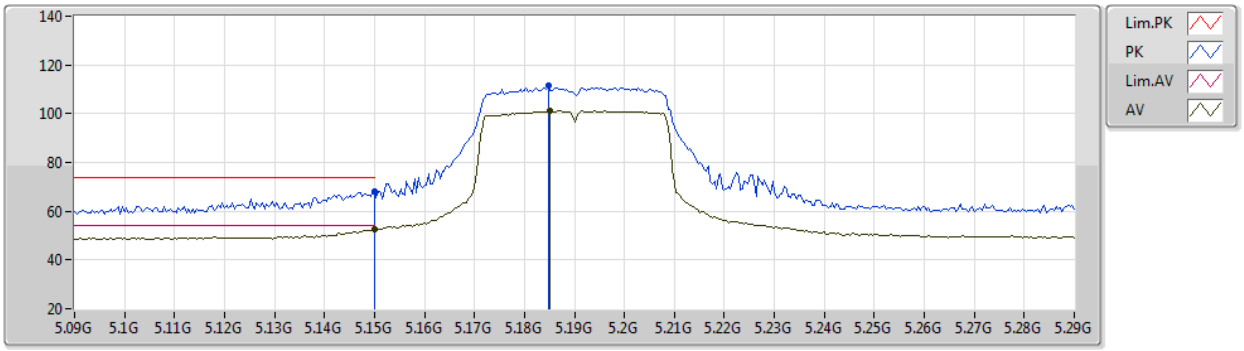
EUT Y_1TX
Setting 14
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.0928G	60.32	74.00	-13.68	51.25	3	Vertical	12	2.41	-	33.49	5.95	30.37
AV	5.098G	48.38	54.00	-5.62	39.30	3	Vertical	12	2.41	-	33.50	5.95	30.37
PK	5.202G	88.37	Inf	-Inf	79.17	3	Vertical	12	2.41	-	33.60	6.00	30.40
AV	5.2028G	78.49	Inf	-Inf	69.28	3	Vertical	12	2.41	-	33.61	6.00	30.40

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5190MHz_TX



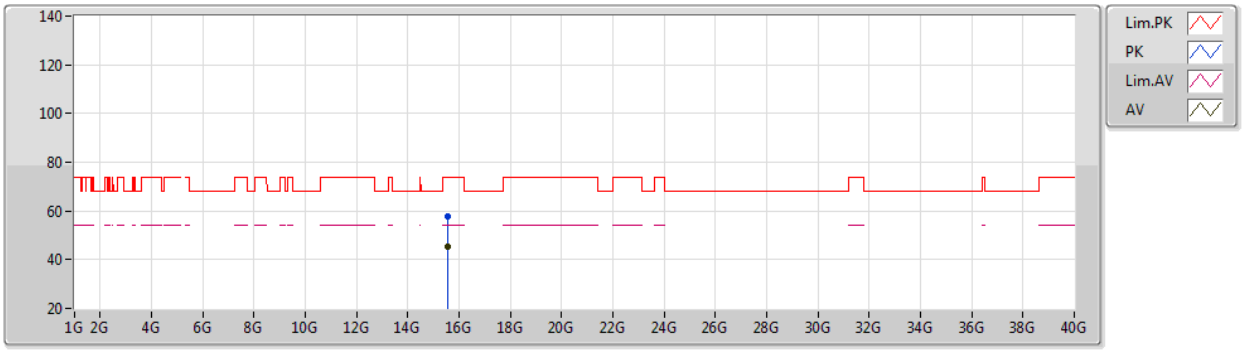
EUT Y_1TX
Setting 14
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	67.99	74.00	-6.01	58.85	3	Horizontal	0	1.99	-	33.55	5.97	30.38
AV	5.15G	52.57	54.00	-1.43	43.43	3	Horizontal	0	1.99	-	33.55	5.97	30.38
PK	5.1848G	111.39	Inf	-Inf	102.22	3	Horizontal	0	1.99	-	33.58	5.99	30.40
AV	5.1852G	101.15	Inf	-Inf	91.97	3	Horizontal	0	1.99	-	33.59	5.99	30.40

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5190MHz_TX



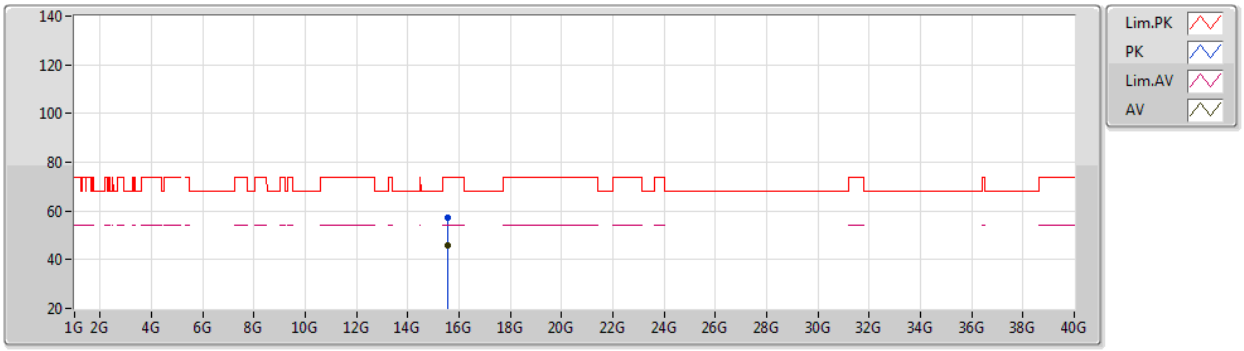
EUT Y_1TX
Setting 14
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.56448G	57.60	74.00	-16.40	41.66	3	Vertical	18	1.42	-	38.66	9.26	31.98
AV	15.57978G	45.40	54.00	-8.60	29.51	3	Vertical	18	1.42	-	38.62	9.26	31.99

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5190MHz_TX



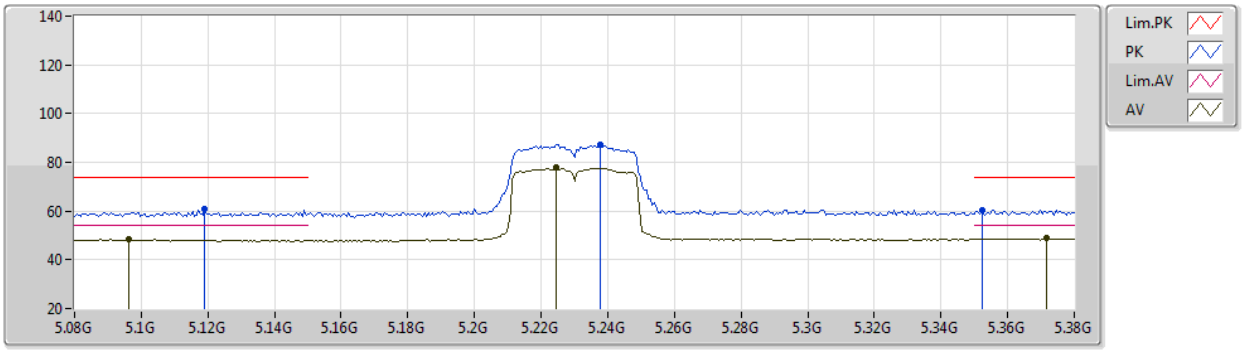
EUT Y_1TX
Setting 14
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5706G	57.30	74.00	-16.70	41.38	3	Horizontal	314	2.15	-	38.65	9.26	31.99
AV	15.56592G	45.62	54.00	-8.38	29.68	3	Horizontal	314	2.15	-	38.66	9.26	31.98

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5230MHz_TX



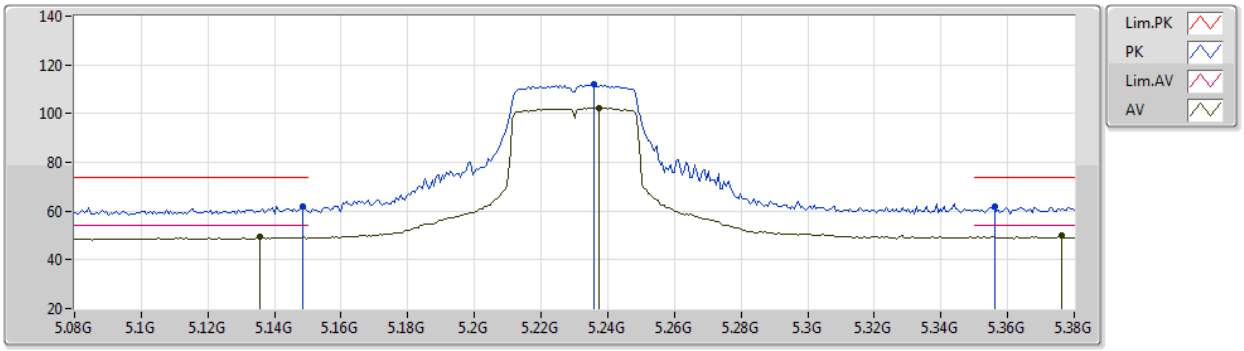
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.119G	60.71	74.00	-13.29	51.61	3	Vertical	5	2.00	-	33.52	5.96	30.38
AV	5.0962G	48.47	54.00	-5.53	39.40	3	Vertical	5	2.00	-	33.49	5.95	30.37
PK	5.2378G	87.34	Inf	-Inf	78.06	3	Vertical	5	2.00	-	33.68	6.02	30.42
AV	5.2246G	77.74	Inf	-Inf	68.49	3	Vertical	5	2.00	-	33.65	6.01	30.41
PK	5.3524G	60.54	74.00	-13.46	51.07	3	Vertical	5	2.00	-	33.85	6.08	30.46
AV	5.3716G	48.86	54.00	-5.14	39.36	3	Vertical	5	2.00	-	33.87	6.09	30.46

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5230MHz_TX



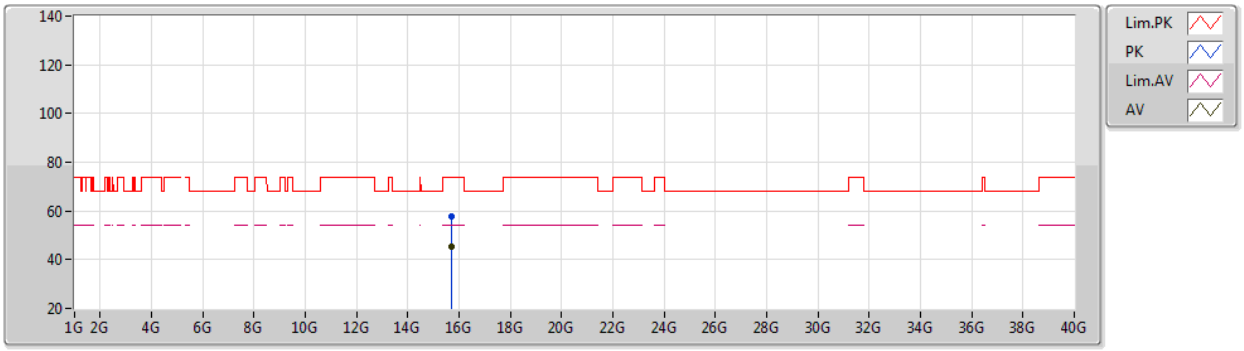
EUT Y_1TX
Setting 16
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1484G	61.90	74.00	-12.10	52.76	3	Horizontal	0	1.94	-	33.55	5.97	30.38
AV	5.1358G	49.59	54.00	-4.41	40.46	3	Horizontal	0	1.94	-	33.54	5.97	30.38
PK	5.236G	111.84	Inf	-Inf	102.56	3	Horizontal	0	1.94	-	33.67	6.02	30.41
AV	5.2372G	102.36	Inf	-Inf	93.08	3	Horizontal	0	1.94	-	33.67	6.02	30.41
PK	5.356G	62.01	74.00	-11.99	52.53	3	Horizontal	0	1.94	-	33.86	6.08	30.46
AV	5.3764G	49.92	54.00	-4.08	40.41	3	Horizontal	0	1.94	-	33.88	6.09	30.46

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5230MHz_TX



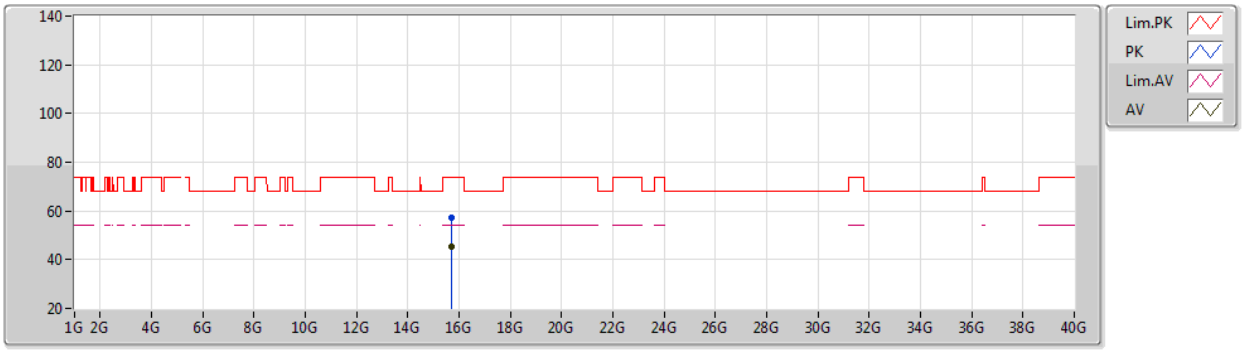
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.70104G	57.52	74.00	-16.48	41.96	3	Vertical	146	2.98	-	38.27	9.30	32.01
AV	15.70248G	45.48	54.00	-8.52	29.93	3	Vertical	146	2.98	-	38.26	9.30	32.01

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5230MHz_TX



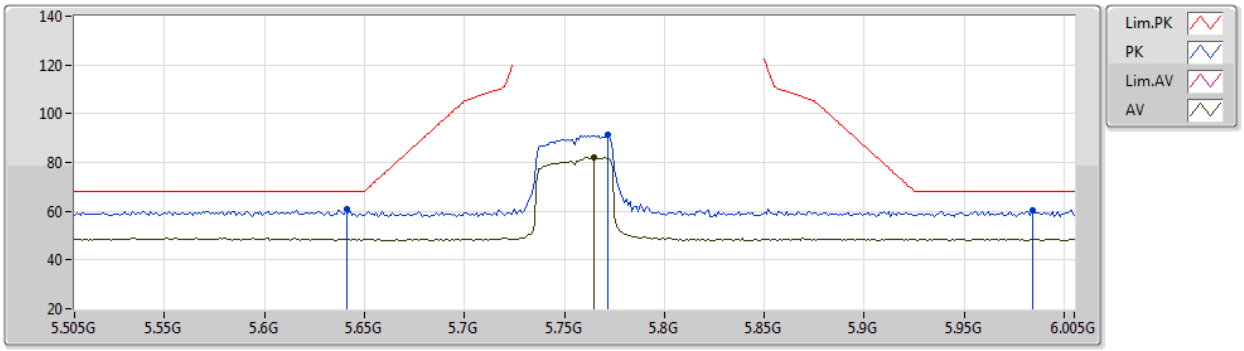
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.70248G	57.29	74.00	-16.71	41.74	3	Horizontal	206	1.12	-	38.26	9.30	32.01
AV	15.68592G	45.33	54.00	-8.67	29.73	3	Horizontal	206	1.12	-	38.31	9.30	32.01

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5755MHz_TX



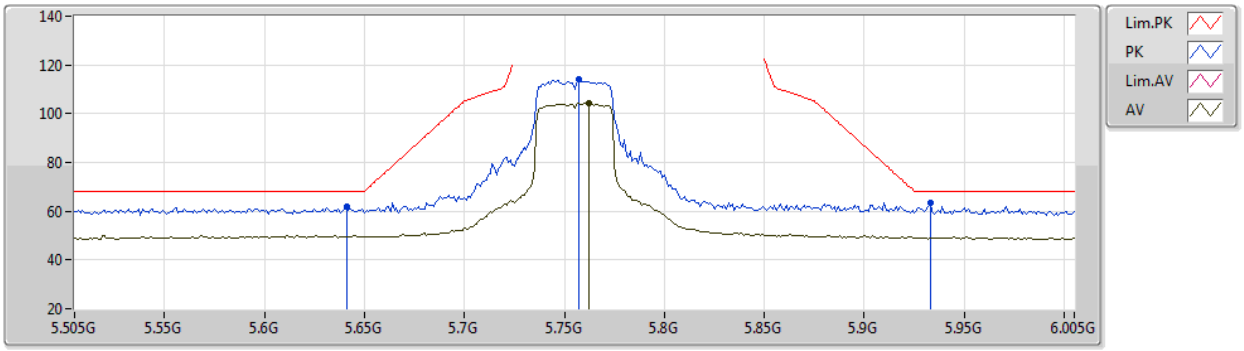
EUT Y_1TX
Setting 16
02-A-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.641G	60.74	68.20	-7.46	51.04	3	Vertical	44	2.13	-	33.92	6.32	30.54
PK	5.772G	91.29	Inf	-Inf	81.67	3	Vertical	44	2.13	-	33.80	6.39	30.57
AV	5.765G	82.19	Inf	-Inf	72.58	3	Vertical	44	2.13	-	33.80	6.38	30.57
PK	5.984G	60.16	68.20	-8.04	50.31	3	Vertical	44	2.13	-	34.17	6.31	30.63

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5755MHz_TX



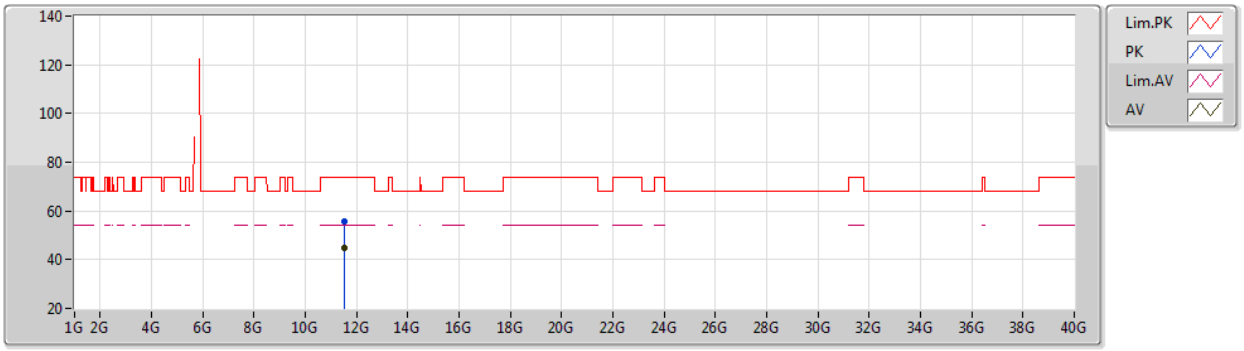
EUT Y_1TX
Setting 16
02-A-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.641G	61.64	68.20	-6.56	51.94	3	Horizontal	359	1.97	-	33.92	6.32	30.54
PK	5.757G	113.94	Inf	-Inf	104.33	3	Horizontal	359	1.97	-	33.80	6.38	30.57
AV	5.762G	104.24	Inf	-Inf	94.63	3	Horizontal	359	1.97	-	33.80	6.38	30.57
PK	5.933G	63.29	68.20	-4.91	53.51	3	Horizontal	359	1.97	-	34.07	6.33	30.62

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5755MHz_TX



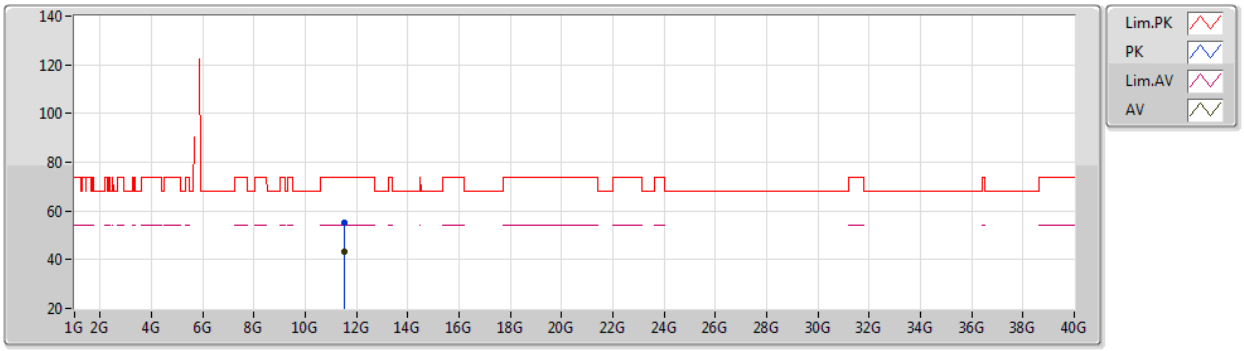
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.52278G	55.79	74.00	-18.21	39.72	3	Vertical	49	2.53	-	38.82	8.86	31.61
AV	11.51216G	44.79	54.00	-9.21	28.73	3	Vertical	49	2.53	-	38.81	8.86	31.61

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5755MHz_TX



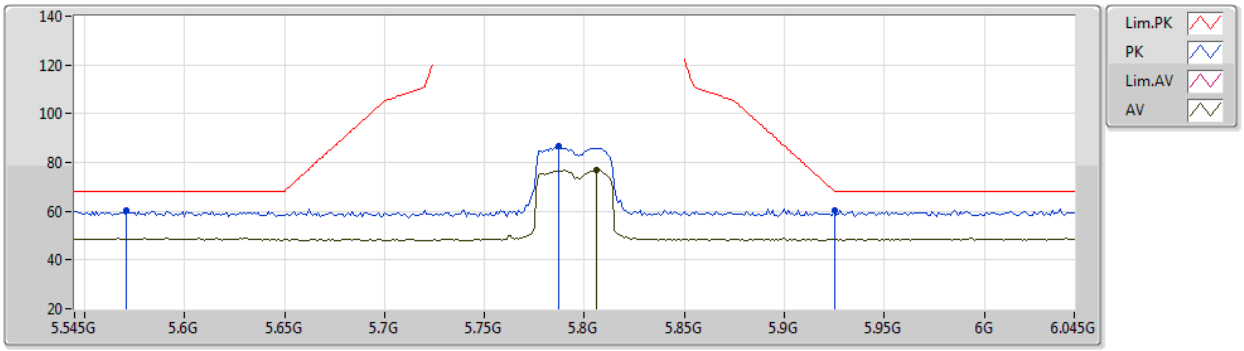
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.51066G	55.43	74.00	-18.57	39.37	3	Horizontal	173	2.35	-	38.81	8.86	31.61
AV	11.50976G	43.30	54.00	-10.70	27.24	3	Horizontal	173	2.35	-	38.81	8.86	31.61

802.11ac VHT40_Nss1,(MCS0)_1TX

5795MHz_TX

06/01/2020



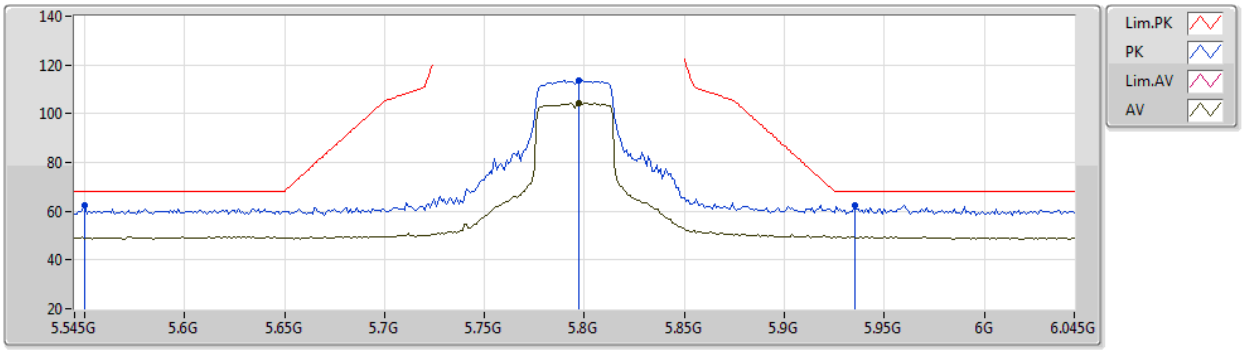
EUT Y_1TX
Setting 16
02-A-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.571G	60.10	68.20	-8.10	50.38	3	Vertical	0	2.00	-	33.97	6.27	30.52
PK	5.787G	86.73	Inf	-Inf	77.12	3	Vertical	0	2.00	-	33.80	6.39	30.58
AV	5.806G	76.96	Inf	-Inf	67.33	3	Vertical	0	2.00	-	33.81	6.40	30.58
PK	5.925G	60.42	68.20	-7.78	50.64	3	Vertical	0	2.00	-	34.05	6.34	30.61

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5795MHz_TX



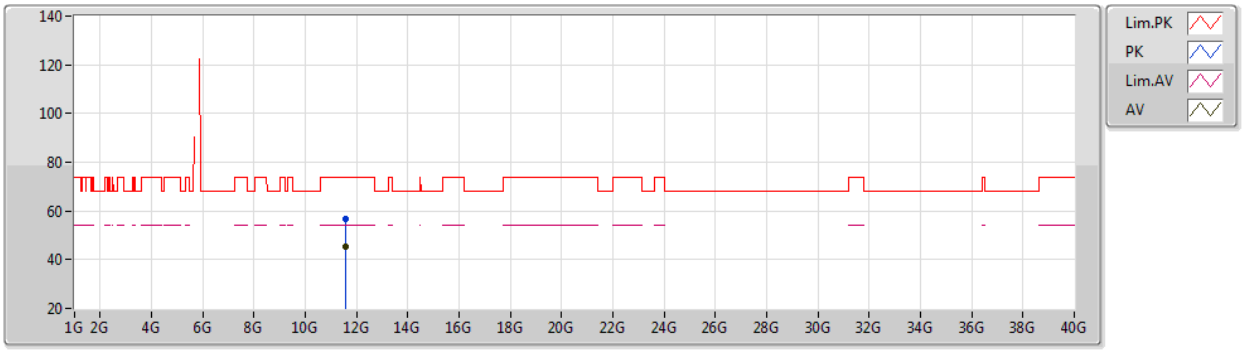
EUT Y_1TX
Setting 16
02-A-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.55G	62.58	68.20	-5.62	52.90	3	Horizontal	0	2.00	-	33.95	6.25	30.52
PK	5.797G	113.77	Inf	-Inf	104.15	3	Horizontal	0	2.00	-	33.80	6.40	30.58
AV	5.797G	104.45	Inf	-Inf	94.83	3	Horizontal	0	2.00	-	33.80	6.40	30.58
PK	5.935G	62.52	68.20	-5.68	52.74	3	Horizontal	0	2.00	-	34.07	6.33	30.62

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5795MHz_TX



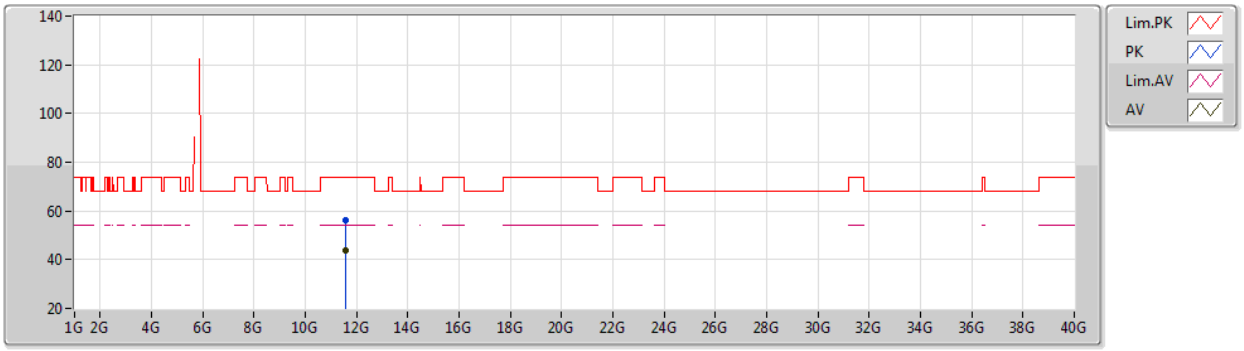
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5966G	56.97	74.00	-17.03	40.84	3	Vertical	271	1.06	-	38.88	8.88	31.63
AV	11.58922G	45.18	54.00	-8.82	29.06	3	Vertical	271	1.06	-	38.87	8.88	31.63

802.11ac VHT40_Nss1,(MCS0)_1TX

06/01/2020

5795MHz_TX



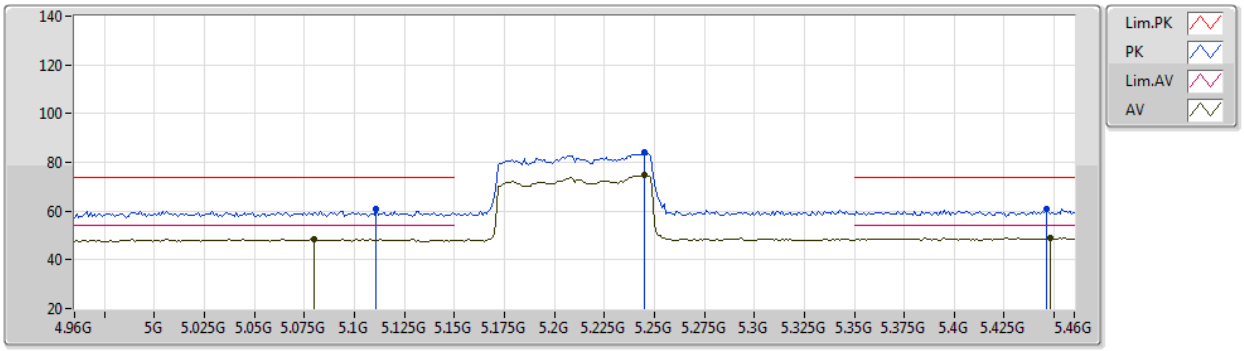
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5924G	56.10	74.00	-17.90	39.98	3	Horizontal	168	2.68	-	38.87	8.88	31.63
AV	11.575G	43.72	54.00	-10.28	27.61	3	Horizontal	168	2.68	-	38.86	8.88	31.63

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

06/01/2020



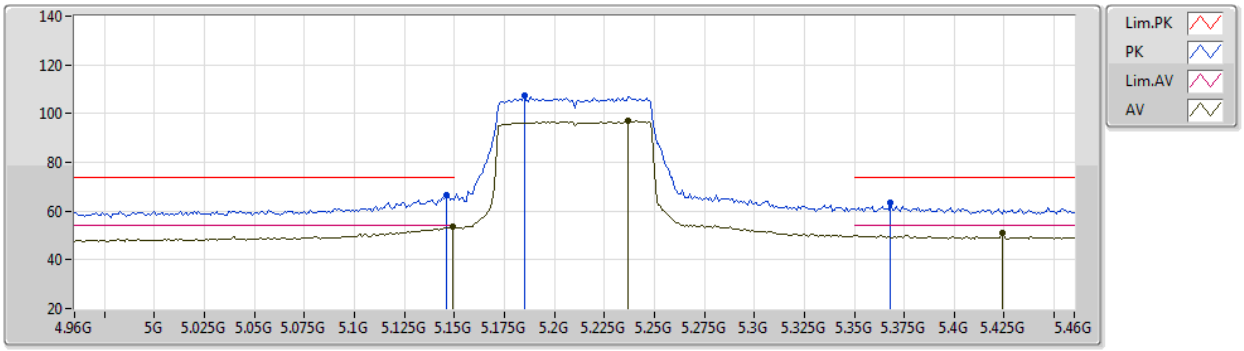
EUT Y_1TX
Setting 14
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.111G	60.92	74.00	-13.08	51.82	3	Vertical	0	2.16	-	33.51	5.96	30.37
AV	5.08G	48.53	54.00	-5.47	39.49	3	Vertical	0	2.16	-	33.46	5.94	30.36
PK	5.245G	84.04	Inf	-Inf	74.75	3	Vertical	0	2.16	-	33.69	6.02	30.42
AV	5.245G	74.69	Inf	-Inf	65.40	3	Vertical	0	2.16	-	33.69	6.02	30.42
PK	5.446G	61.00	74.00	-13.00	51.44	3	Vertical	0	2.16	-	33.90	6.15	30.49
AV	5.448G	48.90	54.00	-5.10	39.34	3	Vertical	0	2.16	-	33.90	6.15	30.49

802.11ac VHT80_Nss1,(MCS0)_1TX

06/01/2020

5210MHz_TX



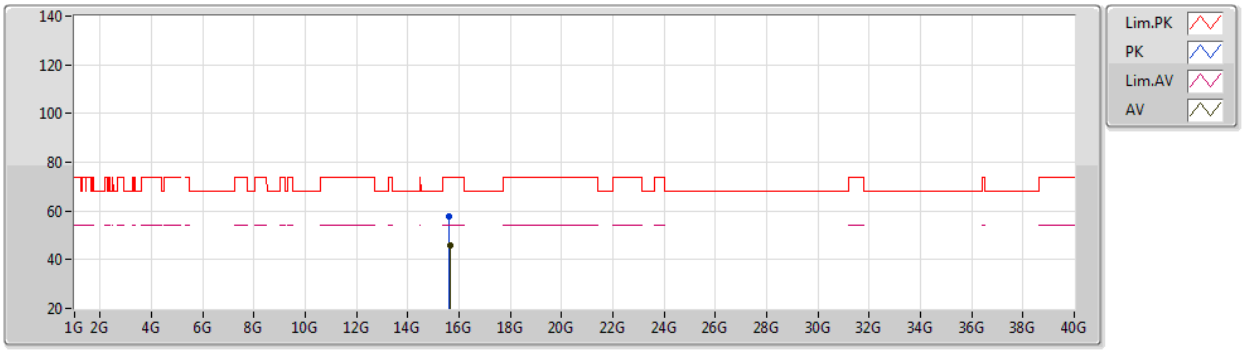
EUT Y_1TX
Setting 14
02-A-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.146G	66.69	74.00	-7.31	57.55	3	Horizontal	0	1.98	-	33.55	5.97	30.38
AV	5.149G	53.56	54.00	-0.44	44.42	3	Horizontal	0	1.98	-	33.55	5.97	30.38
PK	5.185G	107.33	Inf	-Inf	98.15	3	Horizontal	0	1.98	-	33.59	5.99	30.40
AV	5.237G	97.04	Inf	-Inf	87.76	3	Horizontal	0	1.98	-	33.67	6.02	30.41
PK	5.368G	63.29	74.00	-10.71	53.80	3	Horizontal	0	1.98	-	33.87	6.08	30.46
AV	5.424G	50.87	54.00	-3.13	41.32	3	Horizontal	0	1.98	-	33.90	6.13	30.48

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

06/01/2020



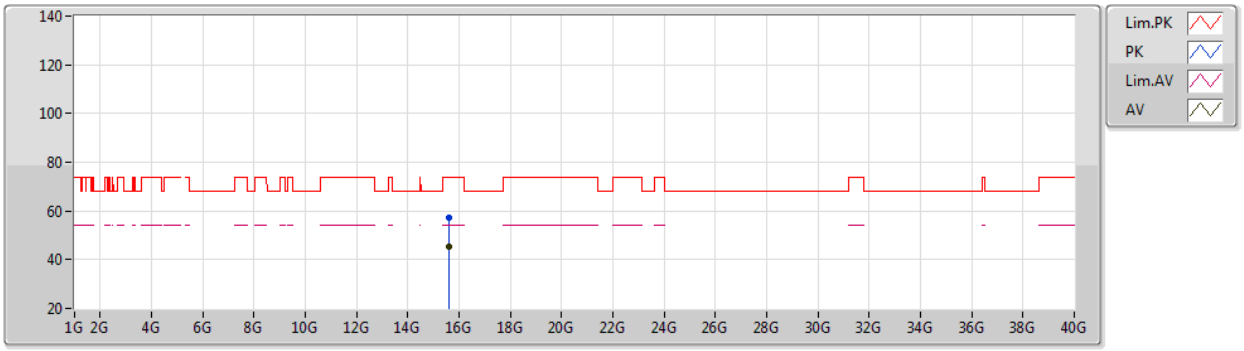
EUT Y_1TX
Setting 14
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.63024G	57.85	74.00	-16.15	42.10	3	Vertical	287	1.09	-	38.47	9.28	32.00
AV	15.64032G	45.82	54.00	-8.18	30.10	3	Vertical	287	1.09	-	38.44	9.28	32.00

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

06/01/2020



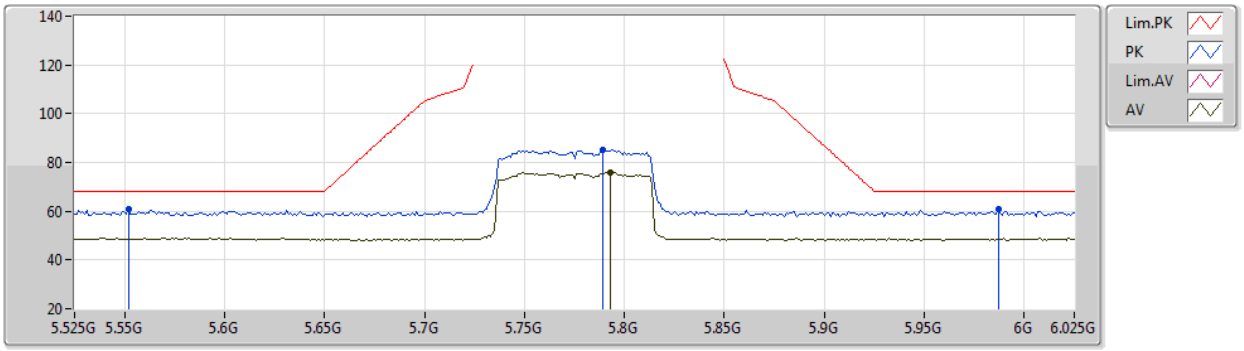
EUT Y_1TX
Setting 14
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.6285G	57.32	74.00	-16.68	41.56	3	Horizontal	131	1.41	-	38.48	9.28	32.00
AV	15.62184G	45.57	54.00	-8.43	29.79	3	Horizontal	131	1.41	-	38.50	9.28	32.00

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_TX

06/01/2020



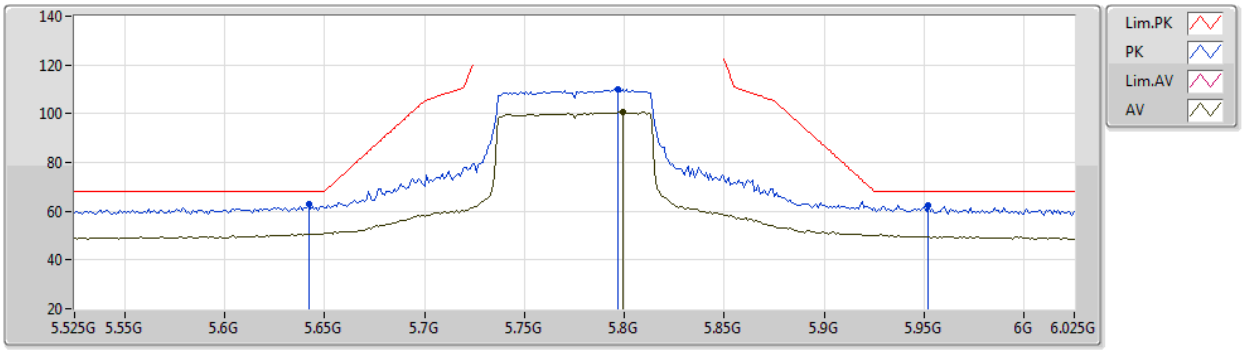
EUT Y_1TX
Setting 16
02-A-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.552G	60.62	68.20	-7.58	50.93	3	Vertical	0	2.20	-	33.95	6.26	30.52
PK	5.789G	85.20	Inf	-Inf	75.59	3	Vertical	0	2.20	-	33.80	6.39	30.58
AV	5.793G	75.92	Inf	-Inf	66.30	3	Vertical	0	2.20	-	33.80	6.40	30.58
PK	5.987G	60.83	68.20	-7.37	50.98	3	Vertical	0	2.20	-	34.17	6.31	30.63

802.11ac VHT80_Nss1,(MCS0)_1TX

06/01/2020

5775MHz_TX



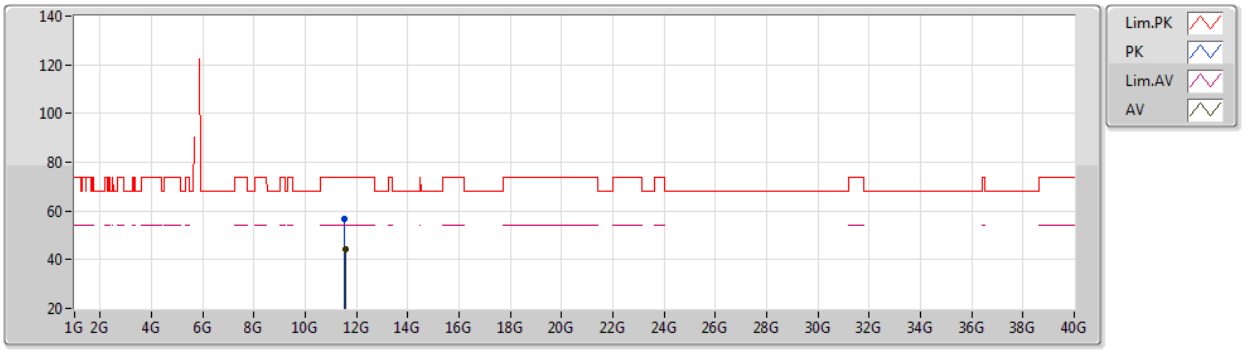
EUT Y_1TX
Setting 16
02-A-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.642G	62.83	68.20	-5.37	53.13	3	Horizontal	0	2.20	-	33.92	6.32	30.54
PK	5.797G	110.11	Inf	-Inf	100.49	3	Horizontal	0	2.20	-	33.80	6.40	30.58
AV	5.799G	100.57	Inf	-Inf	90.95	3	Horizontal	0	2.20	-	33.80	6.40	30.58
PK	5.952G	62.42	68.20	-5.78	52.62	3	Horizontal	0	2.20	-	34.10	6.32	30.62

802.11ac VHT80_Nss1,(MCS0)_1TX

06/01/2020

5775MHz_TX



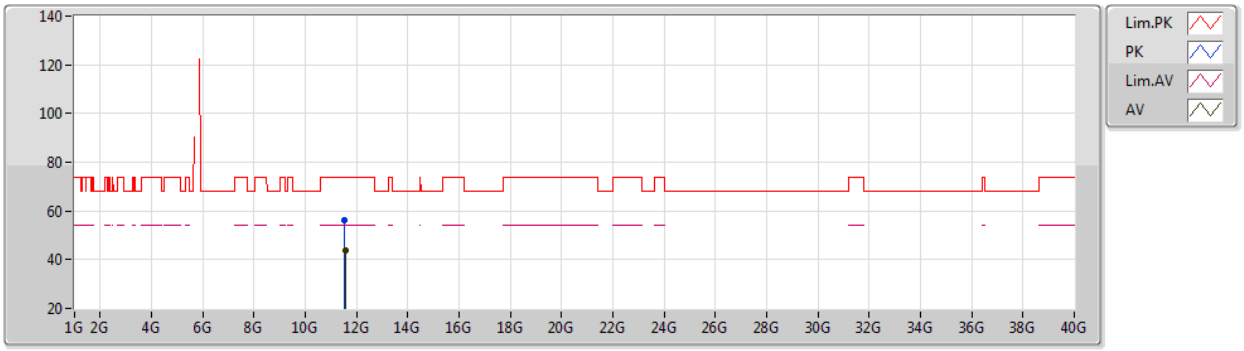
EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.544G	56.59	74.00	-17.41	40.50	3	Vertical	178	1.75	-	38.84	8.87	31.62
AV	11.56044G	44.08	54.00	-9.92	27.98	3	Vertical	178	1.75	-	38.85	8.87	31.62

802.11ac VHT80_Nss1,(MCS0)_1TX

06/01/2020

5775MHz_TX



EUT Y_1TX
Setting 16
02-A-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5443G	56.09	74.00	-17.91	40.00	3	Horizontal	301	2.67	-	38.84	8.87	31.62
AV	11.56224G	43.64	54.00	-10.36	27.54	3	Horizontal	301	2.67	-	38.85	8.87	31.62