Testing Laboratory
1190

FCC RADIO TEST REPORT

FCC ID	:	TE7WPA8631PV3
Equipment	:	AV1300 Gigabit Passthrough Powerline ac Wi-Fi Extender
Brand Name	:	tp-link
Model Name	:	TL-WPA8631P
Applicant	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Manufacturer	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Standard	:	47 CFR FCC Part 15.407

The product was received on Sep. 07, 2020, and testing was started from Sep. 16, 2020 and completed on Sep. 28, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR672231-01AB	01	Initial issue of report	Oct. 22, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
0	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: Sandy Chuang

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]
5250-5350		5270-5310	54-62 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5725-5850		5775	155 [1]

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

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, 256QAMmodulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	1	TP-Link	3101503165	Dipole Antenna	I-PEX	1.5	1.5
2	2	TP-Link	3101503166	Dipole Antenna	I-PEX	1.5	1.5

Note: The above information was declared by manufacturer.

For 2.4GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.958	0.19	1.398m	1k
802.11ac VHT20	0.765	1.16	2.107m	1k
802.11ac VHT40	0.674	1.71	3.964m	300
802.11ac VHT80	0.988	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.1.4 EUT Operational Condition

EUT Power Type	From Internal power supply			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	QATool (Version 0.0.2.6)			

Note: The above information was declared by manufacturer.

1.1.5 EUT support function

The EUT supports AP/Master mode, only AP mode mode has been tested and recorded in this test report.

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	Caster Chang	22.5-23.8℃ / 52-57%	Sep. 18, 2020~ Sep. 28, 2020
Radiated <Below 1GHz and Co-location>	03CH03-CB	Paul Chen	22.6-23.9 °C / 51-53%	Sep. 16, 2020~ Sep. 18, 2020
Radiated <Above 1GHz>	03CH02-CB 03CH04-CB	Paul Chen	24-25.8 °C / 53-57% 23.9-24.8 °C / 55-56%	Sep. 16, 2020~ Sep. 18, 2020
AC Conduction	CO01-CB	Wei Li	24~25°C / 56~59%	Sep. 16, 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)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.6 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.39%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	27
5200MHz	2E
5240MHz	28
5745MHz	32
5785MHz	32
5825MHz	32
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	25
5200MHz	2E
5240MHz	27
5745MHz	32
5785MHz	32
5825MHz	32
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	1F
5230MHz	26
5755MHz	2A
5795MHz	2C
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	1D
5775MHz	26

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 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	Normal Link
1	The PLC function of EUT with Idle mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Unwanted Emissions
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
Y-axis generated the worst result for Emissions in Unwanted Emissions <Above 1GHz>, thus the measurement will follow this same test configuration.	
1	2.4GHz: Place EUT in Y axis
2	5GHz: Place EUT in Y axis
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT can be placed in Y-axis and Z-axis. After evaluating, Y-axis was the worst case, so the test will follow this same test configuration.	
1	Place EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
Y-axis generated the worst result for Emissions in Unwanted Emissions <Above 1GHz>, thus the measurement will follow this same test configuration.	
1	WLAN 2.4GHz + WLAN 5GHz in Y axis
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz in Y axis
Refer to Sporton Test Report No.: FA672231-01 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

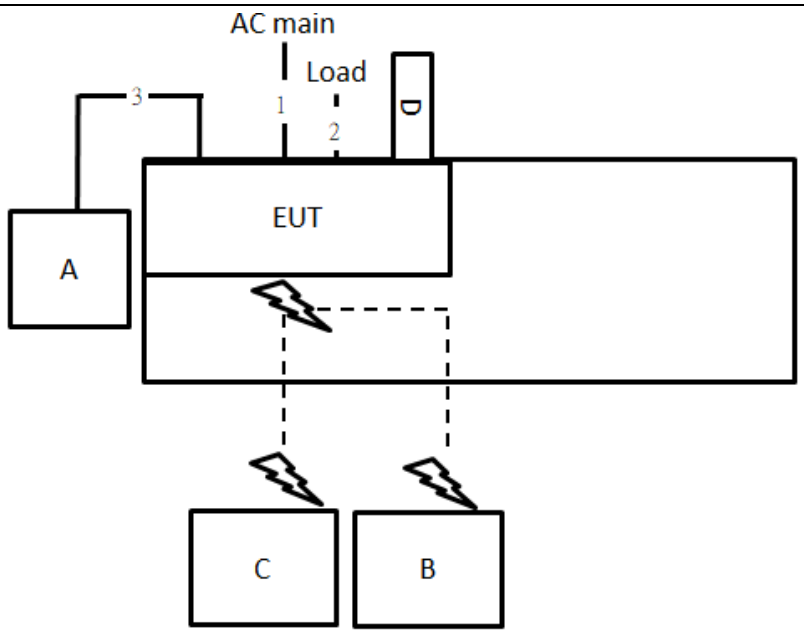
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	N/A
B	5G NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	Lighting	Philips	N/A	N/A

For Radiated and RF Conducted:

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

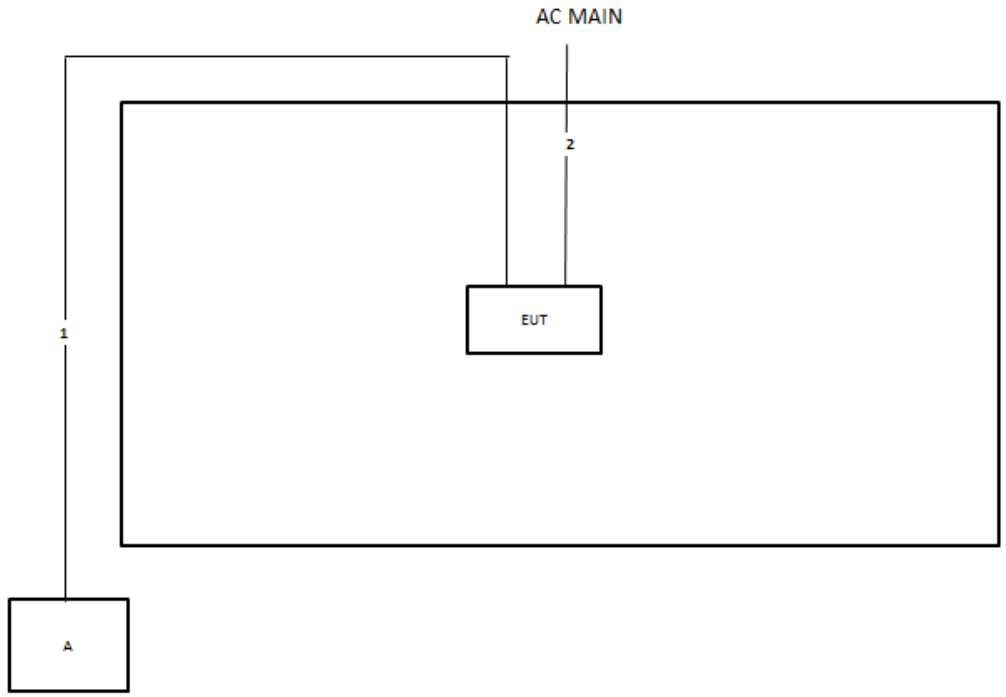
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	0.8m
2	RJ-45 cable*2	No	1.5m
3	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test



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

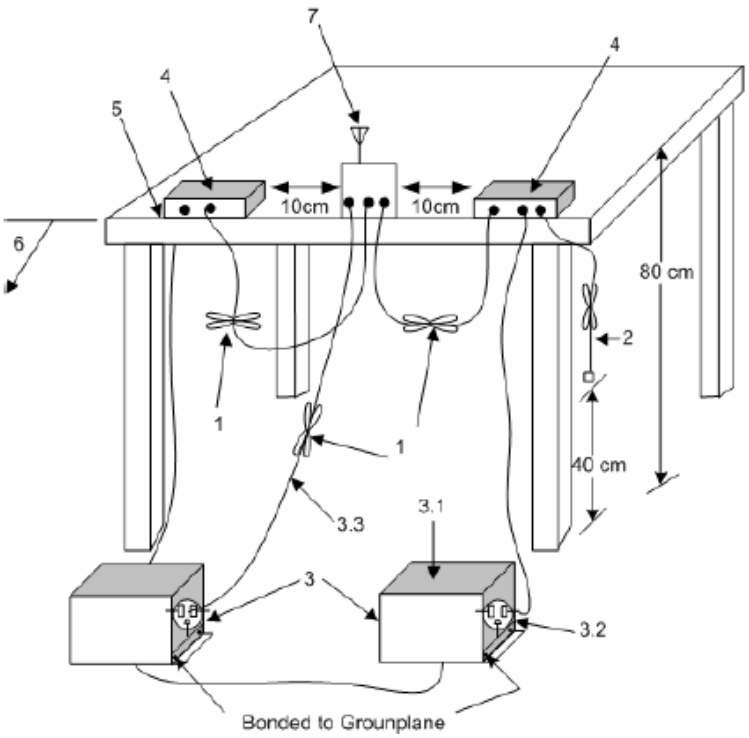
Refer a test equipment and calibration data table in this test report.

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 Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level

b. Margin = -Limit + Level

3.1.6 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

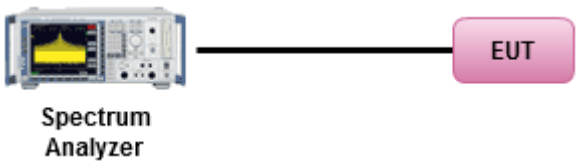
Refer a test equipment and calibration data table in this test report.

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.	

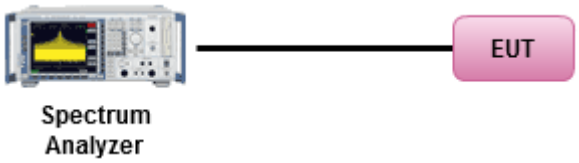
3.4.2 Measuring Instruments

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).

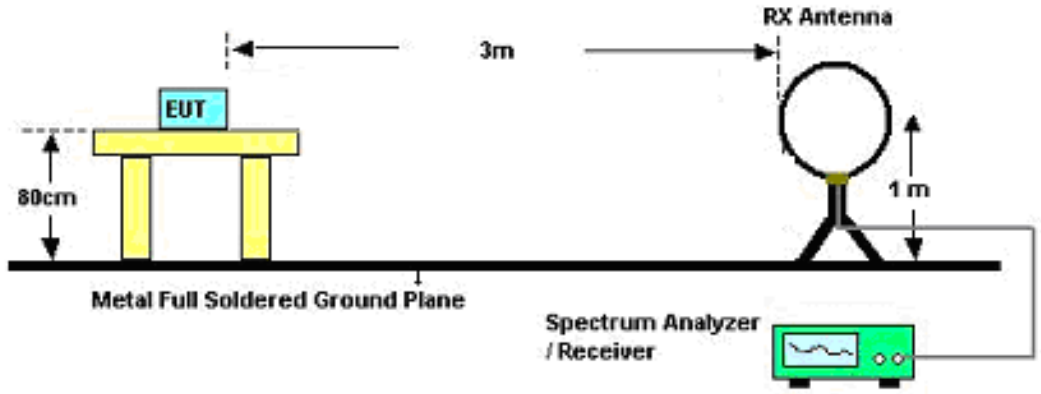
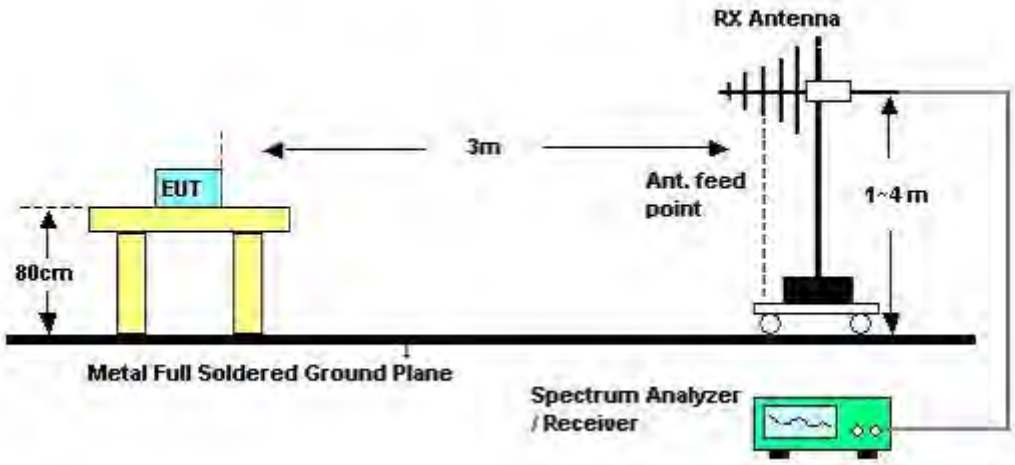
3.5.2 Measuring Instruments

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

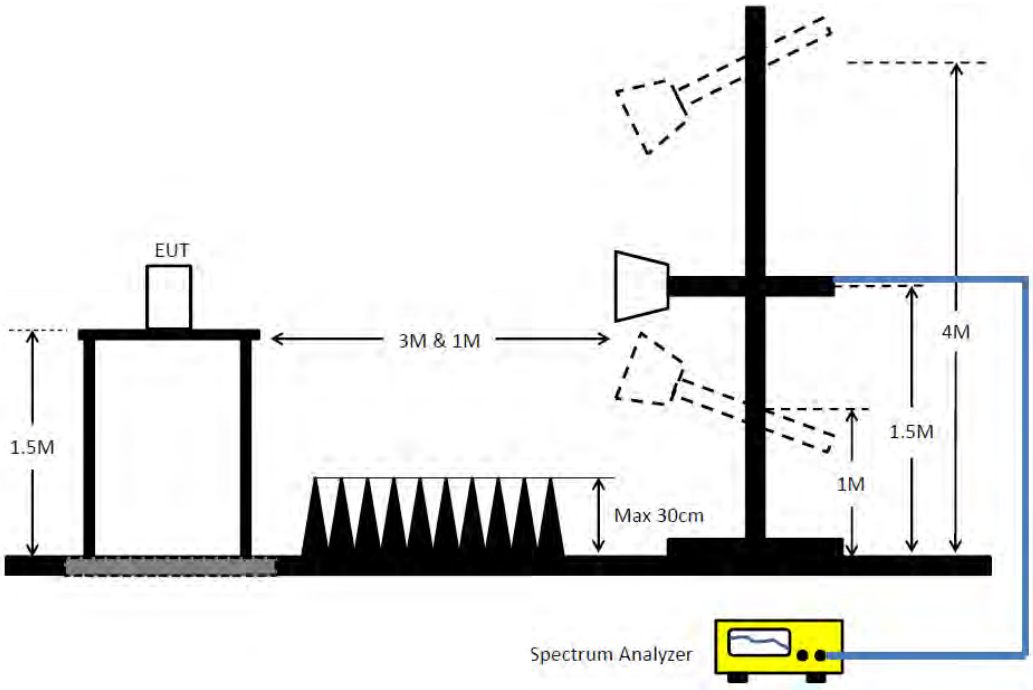
3.5.3 Test Procedures

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 (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = 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 10th 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	My52260123	9kHz ~ 8.4GHz	Feb. 26, 2020	Feb. 25, 2021	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	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner	CBL6112B & N-6-06	2928 & AT-N0607	20MHz ~ 2GHz	Feb. 28, 2020	Feb. 27, 2021	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 15, 2020	Jan. 14, 2021	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	25MHz ~ 1GHz	Jul. 28, 2020	Jul. 27, 2021	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 03, 2020	Jun. 02, 2021	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Jul. 28, 2020	Jul. 27, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Jul. 28, 2020	Jul. 27, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 21, 2020	Apr. 20, 2021	Radiation (03CH02-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 13, 2020	Jul. 12, 2021	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	May 12, 2020	May 11, 2021	Radiation (03CH02-CB)
High Cable	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH02-CB)
High Cable	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 22, 2019	Oct. 21, 2020	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 14, 2020	Jul. 13, 2021	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 18, 2019	Dec. 17, 2020	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Jul. 07, 2020	Jul. 06, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Feb. 01, 2020	Jan. 31, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 27, 2020	Jul. 26, 2021	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1531343	300MHz~40GHz	Aug. 04, 2020	Aug. 03, 2021	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1728001	300MHz~40GHz	Aug. 04, 2020	Aug. 03, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

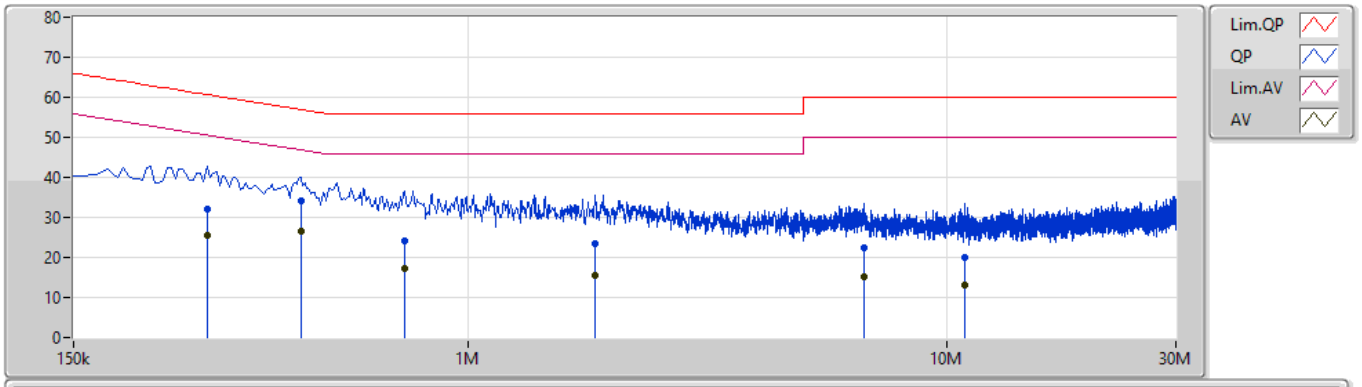
Note: Calibration Interval of instruments listed above is one year.
NCR means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	447k	26.49	46.94	-20.45	Line

Mode 1

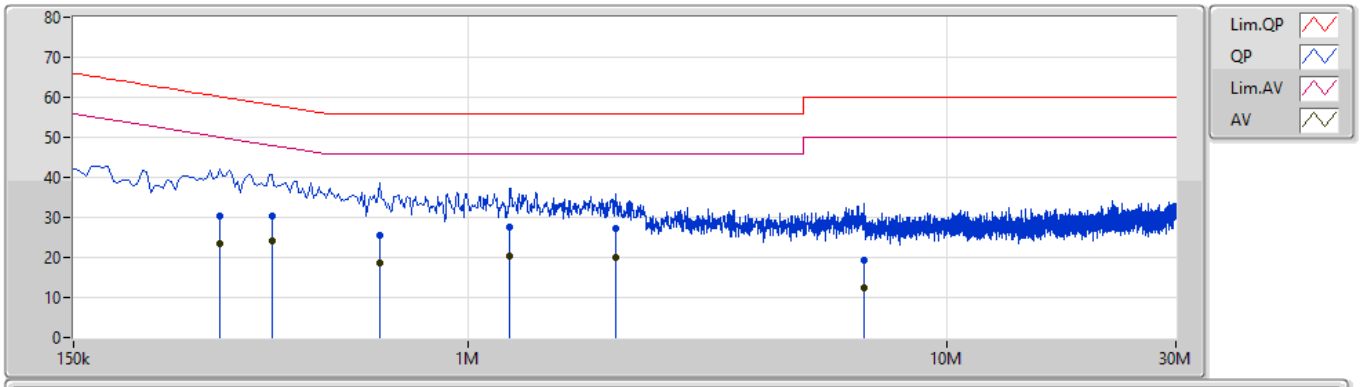
16/09/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	285k	31.97	60.67	-28.70	9.87	Line	-	22.10	0.04	0.03	9.80
AV	285k	25.39	50.67	-25.28	9.87	Line	-	15.52	0.04	0.03	9.80
QP	447k	34.27	56.94	-22.67	9.88	Line	-	24.39	0.04	0.03	9.81
AV	447k	26.49	46.94	-20.45	9.88	Line	"Worst"	16.61	0.04	0.03	9.81
QP	735k	24.16	56.00	-31.84	9.91	Line	-	14.25	0.05	0.04	9.82
AV	735k	17.30	46.00	-28.70	9.91	Line	-	7.39	0.05	0.04	9.82
QP	1.838M	23.46	56.00	-32.54	9.96	Line	-	13.50	0.06	0.07	9.83
AV	1.838M	15.65	46.00	-30.35	9.96	Line	-	5.69	0.06	0.07	9.83
QP	6.725M	22.30	60.00	-37.70	10.15	Line	-	12.15	0.14	0.14	9.87
AV	6.725M	15.32	50.00	-34.68	10.15	Line	-	5.17	0.14	0.14	9.87
QP	10.883M	19.83	60.00	-40.17	10.27	Line	-	9.56	0.18	0.17	9.92
AV	10.883M	13.10	50.00	-36.90	10.27	Line	-	2.83	0.18	0.17	9.92

Mode 1

16/09/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	303k	30.19	60.17	-29.98	9.87	Neutral	-	20.32	0.04	0.03	9.80
AV	303k	23.55	50.17	-26.62	9.87	Neutral	-	13.68	0.04	0.03	9.80
QP	388.5k	30.48	58.10	-27.62	9.88	Neutral	-	20.60	0.04	0.03	9.81
AV	388.5k	24.25	48.10	-23.85	9.88	Neutral	"Worst"	14.37	0.04	0.03	9.81
QP	654k	25.53	56.00	-30.47	9.91	Neutral	-	15.62	0.05	0.04	9.82
AV	654k	18.76	46.00	-27.24	9.91	Neutral	-	8.85	0.05	0.04	9.82
QP	1.221M	27.45	56.00	-28.55	9.93	Neutral	-	17.52	0.06	0.05	9.82
AV	1.221M	20.35	46.00	-25.65	9.93	Neutral	-	10.42	0.06	0.05	9.82
QP	2.036M	27.24	56.00	-28.76	9.97	Neutral	-	17.27	0.07	0.07	9.83
AV	2.036M	20.15	46.00	-25.85	9.97	Neutral	-	10.18	0.07	0.07	9.83
QP	6.707M	19.18	60.00	-40.82	10.15	Neutral	-	9.03	0.14	0.14	9.87
AV	6.707M	12.32	50.00	-37.68	10.15	Neutral	-	2.17	0.14	0.14	9.87

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	43.29M	29.325M	29M3D7W	31.59M	18.141M
802.11ac VHT20_Nss1,(MCS0)_2TX	44.7M	30.735M	30M7D7W	27.03M	17.931M
802.11ac VHT40_Nss1,(MCS0)_2TX	71.28M	37.601M	37M6D7W	40.74M	36.042M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.24M	75.322M	75M3D7W	80.76M	75.202M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.29M	35.592M	35M6D7W	15.3M	34.303M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.55M	37.271M	37M3D7W	16.41M	36.192M
802.11ac VHT40_Nss1,(MCS0)_2TX	32.52M	68.546M	68M5D7W	29.94M	41.859M
802.11ac VHT80_Nss1,(MCS0)_2TX	74.16M	76.522M	76M5D7W	72.6M	76.162M

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

Result

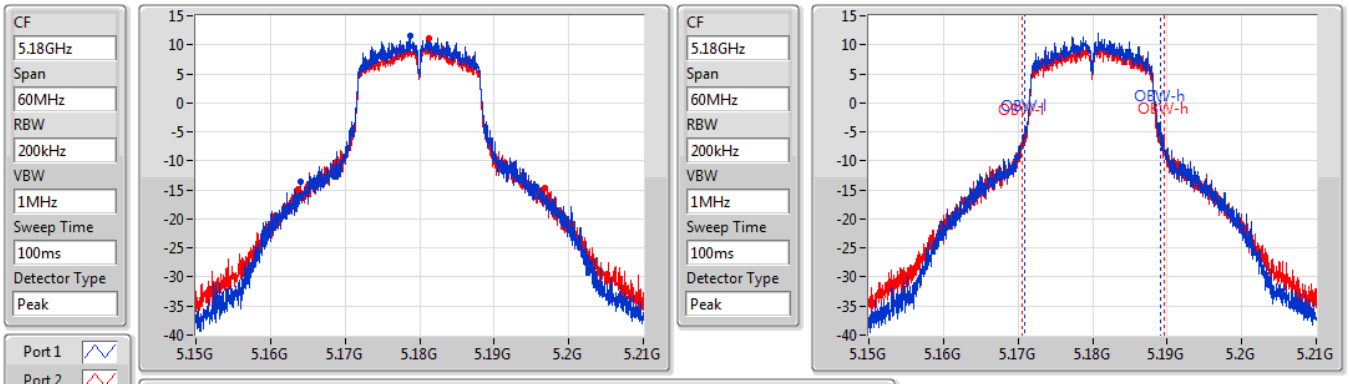
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	31.59M	18.141M	33.12M	18.951M
5200MHz	Pass	Inf	43.29M	29.325M	40.74M	27.616M
5240MHz	Pass	Inf	33.72M	19.22M	32.49M	19.28M
5745MHz	Pass	500k	16.05M	34.573M	15.87M	35.472M
5785MHz	Pass	500k	15.3M	34.423M	15.72M	35.292M
5825MHz	Pass	500k	15.87M	34.303M	16.29M	35.592M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	27.03M	17.931M	31.11M	18.201M
5200MHz	Pass	Inf	44.7M	30.735M	42.24M	29.325M
5240MHz	Pass	Inf	32.46M	18.741M	33.18M	18.831M
5745MHz	Pass	500k	17.25M	36.192M	17.25M	37.151M
5785MHz	Pass	500k	17.49M	36.492M	16.92M	36.762M
5825MHz	Pass	500k	16.41M	36.192M	17.55M	37.271M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.8M	36.222M	40.74M	36.042M
5230MHz	Pass	Inf	71.28M	37.601M	70.62M	36.822M
5755MHz	Pass	500k	30M	57.451M	32.52M	41.859M
5795MHz	Pass	500k	32.46M	68.546M	29.94M	53.673M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.24M	75.322M	80.76M	75.202M
5775MHz	Pass	500k	72.6M	76.522M	74.16M	76.162M

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

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

18/09/2020

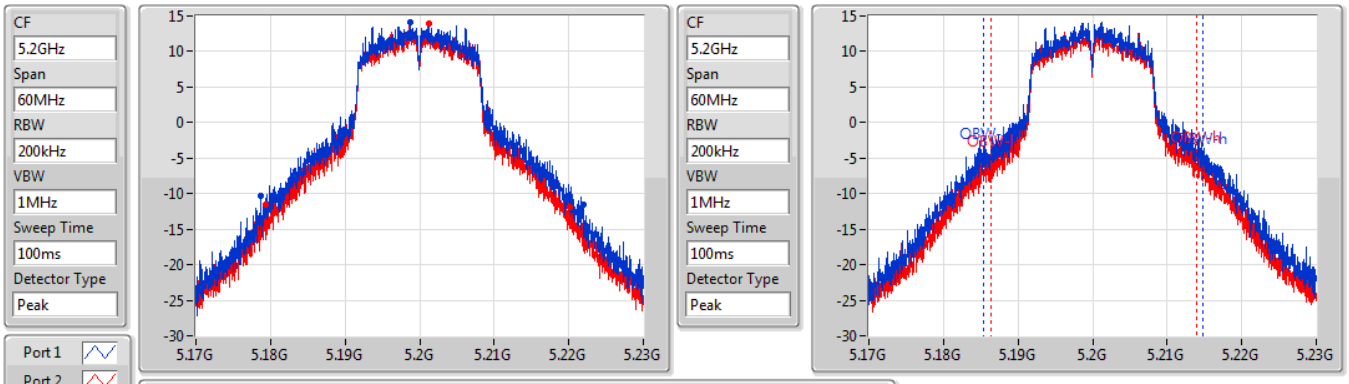


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.59M	5.16398G	5.19557G	18.141M	5.1709756	5.189115G	Inf	1
33.12M	5.16371G	5.19683G	18.951M	5.170585G	5.189535G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

18/09/2020

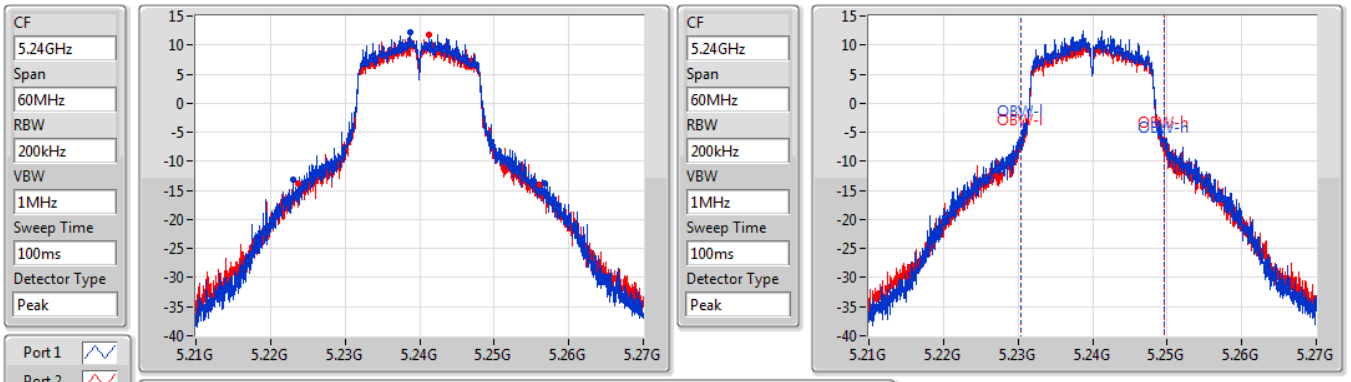


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.29M	5.17864G	5.22193G	29.325M	5.185457G	5.214783G	Inf	1
40.74M	5.17936G	5.2201G	27.616M	5.186327G	5.213943G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

18/09/2020

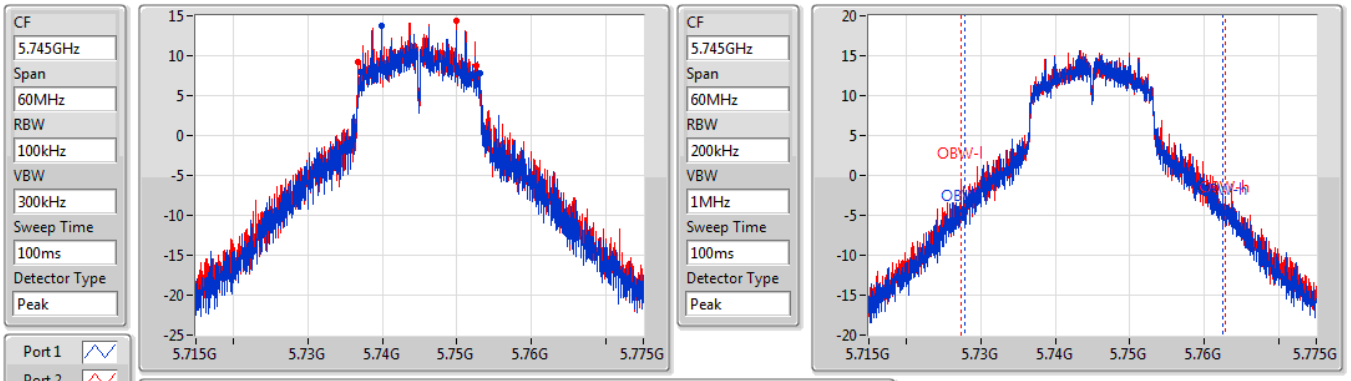


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.72M	5.22308G	5.2568G	19.22M	5.230375G	5.249595G	Inf	1
32.49M	5.22365G	5.25614G	19.28M	5.230405G	5.249685G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

18/09/2020

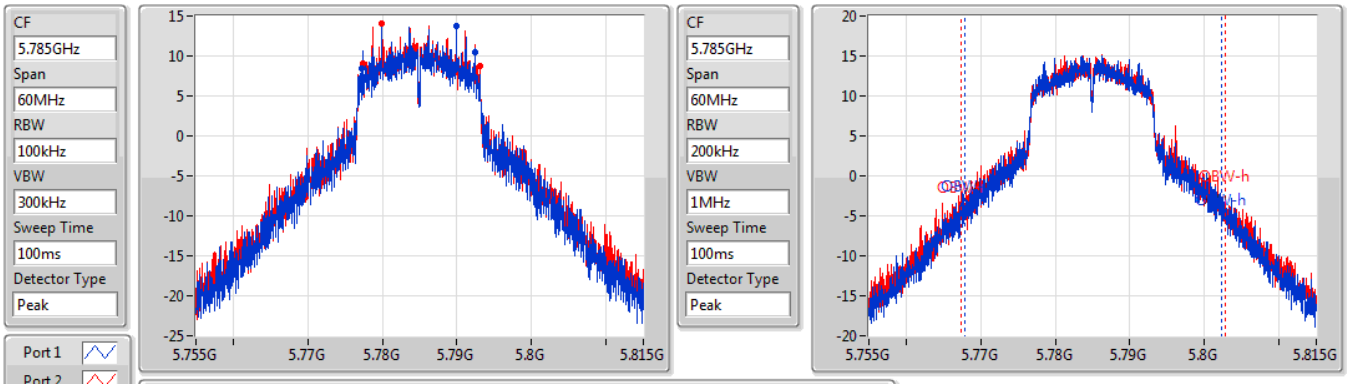


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	5.73702G	5.75307G	34.573M	5.727819G	5.762391G	500k	1
15.87M	5.73678G	5.75265G	35.472M	5.727369G	5.762841G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

18/09/2020

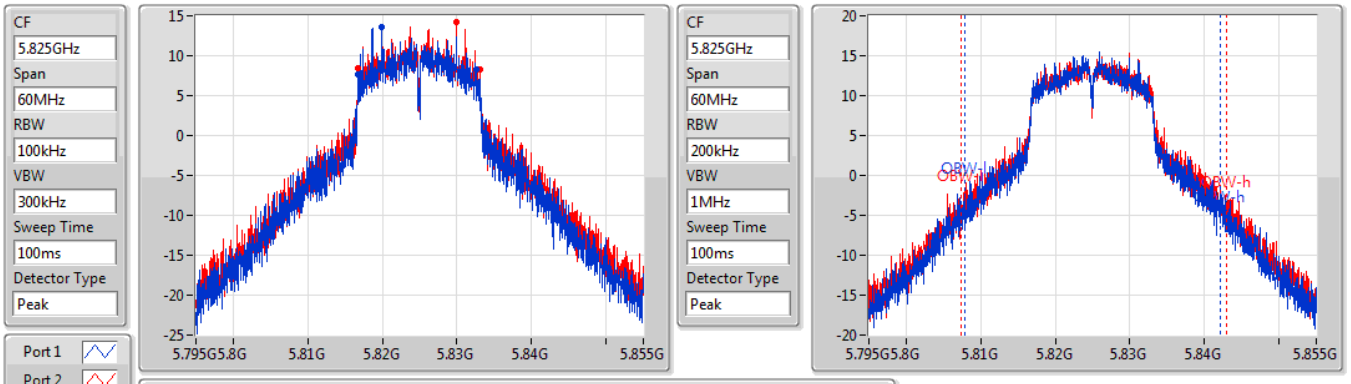


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.3M	5.77717G	5.79247G	34.423M	5.767879G	5.802301G	500k	1
15.72M	5.77738G	5.7931G	35.292M	5.767429G	5.802721G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

18/09/2020

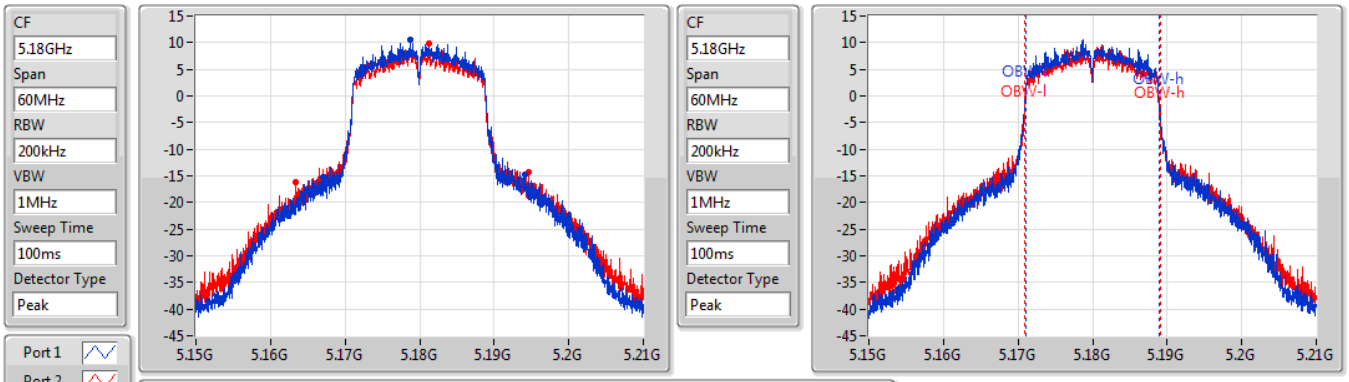


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.87M	5.81678G	5.83265G	34.303M	5.807849G	5.842151G	500k	1
16.29M	5.81678G	5.83307G	35.592M	5.807369G	5.842961G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

18/09/2020

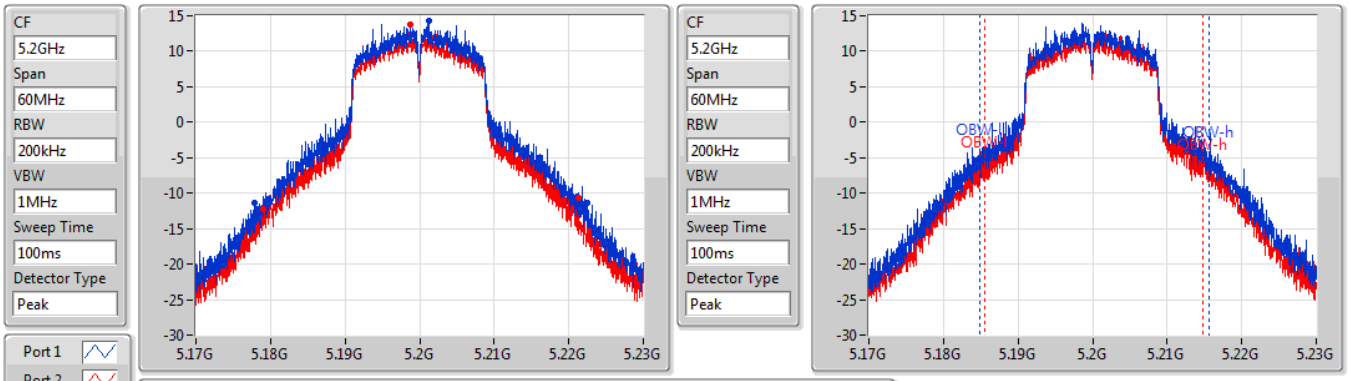


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.03M	5.16701G	5.19404G	17.931M	5.171004G	5.188936G	Inf	1
31.11M	5.16344G	5.19455G	18.201M	5.170855G	5.189055G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

18/09/2020

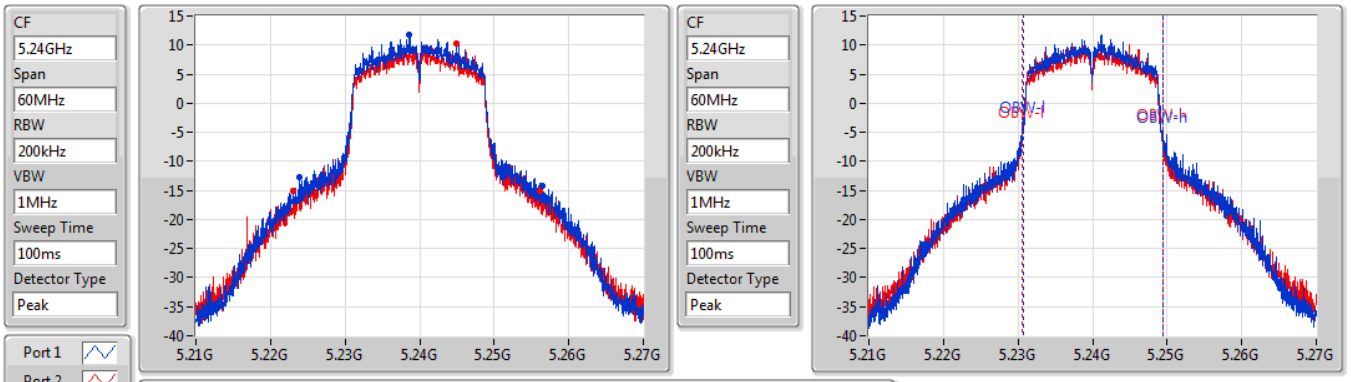


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.7M	5.1778G	5.2225G	30.735M	5.184888G	5.215622G	Inf	1
42.24M	5.179G	5.22124G	29.325M	5.185517G	5.214843G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

18/09/2020

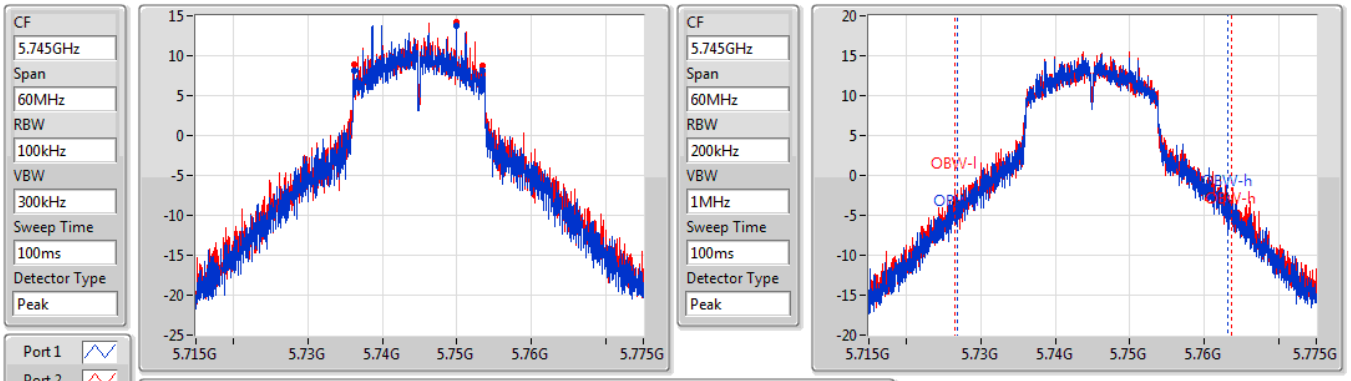


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.46M	5.22395G	5.25641G	18.741M	5.230675G	5.249415G	Inf	1
33.18M	5.22302G	5.2562G	18.831M	5.230585G	5.249415G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

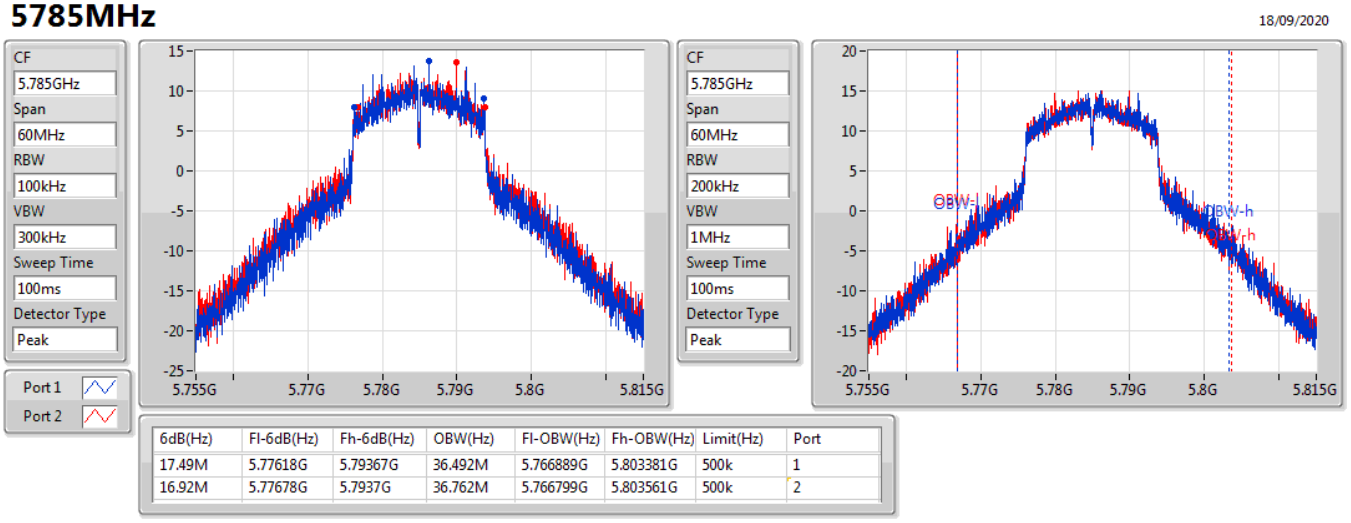
18/09/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.25M	5.73615G	5.7534G	36.192M	5.726919G	5.763111G	500k	1
17.25M	5.73615G	5.7534G	37.151M	5.726499G	5.763651G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

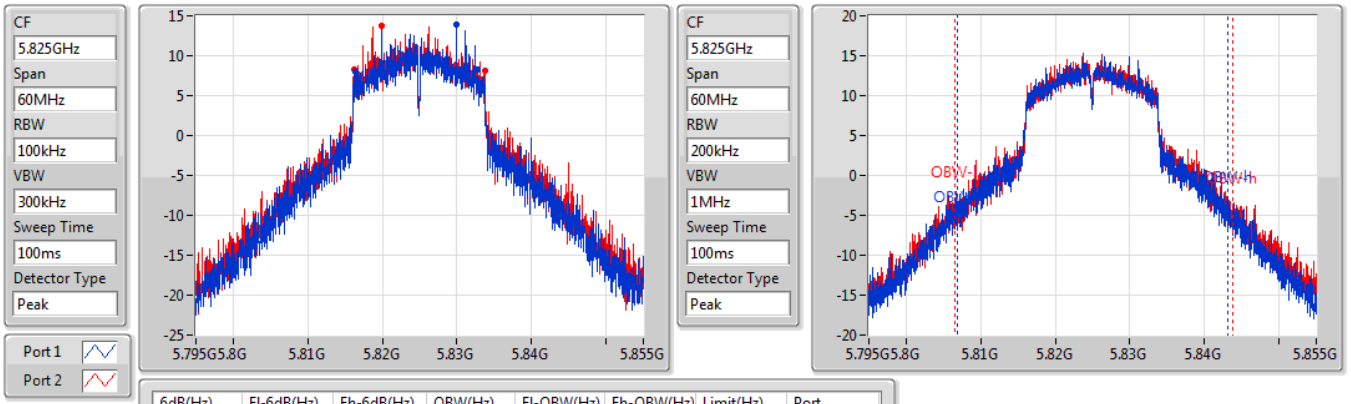
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.49M	5.77618G	5.79367G	36.492M	5.766889G	5.803381G	500k	1
16.92M	5.77678G	5.7937G	36.762M	5.766799G	5.803561G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

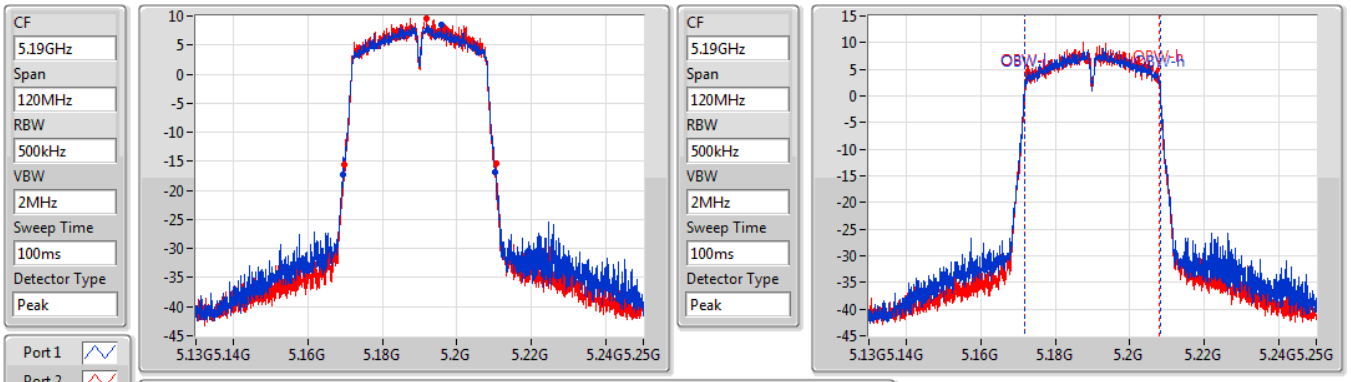


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.41M	5.81642G	5.83283G	36.192M	5.806859G	5.843051G	500k	1
17.55M	5.81615G	5.8337G	37.271M	5.806499G	5.843771G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

18/09/2020

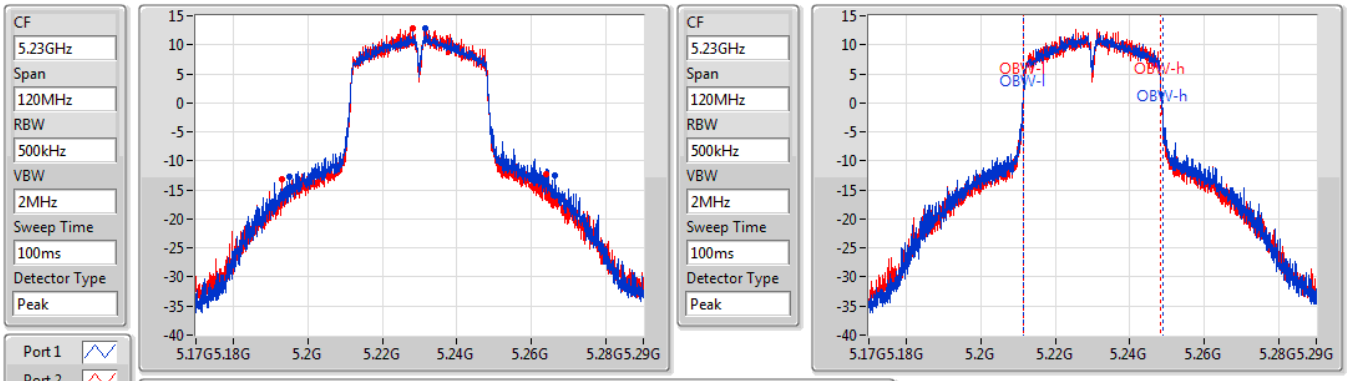


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.8M	5.16954G	5.21034G	36.222M	5.171829G	5.208051G	Inf	1
40.74M	5.16966G	5.2104G	36.042M	5.171949G	5.207991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

18/09/2020

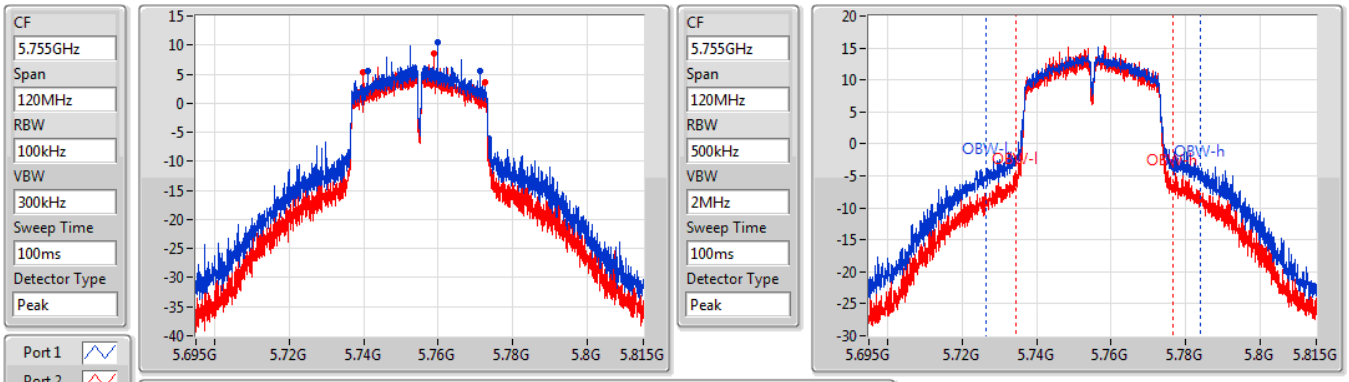


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
71.28M	5.19496G	5.26624G	37.601M	5.211289G	5.248891G	Inf	1
70.62M	5.19316G	5.26378G	36.822M	5.211529G	5.248351G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

18/09/2020

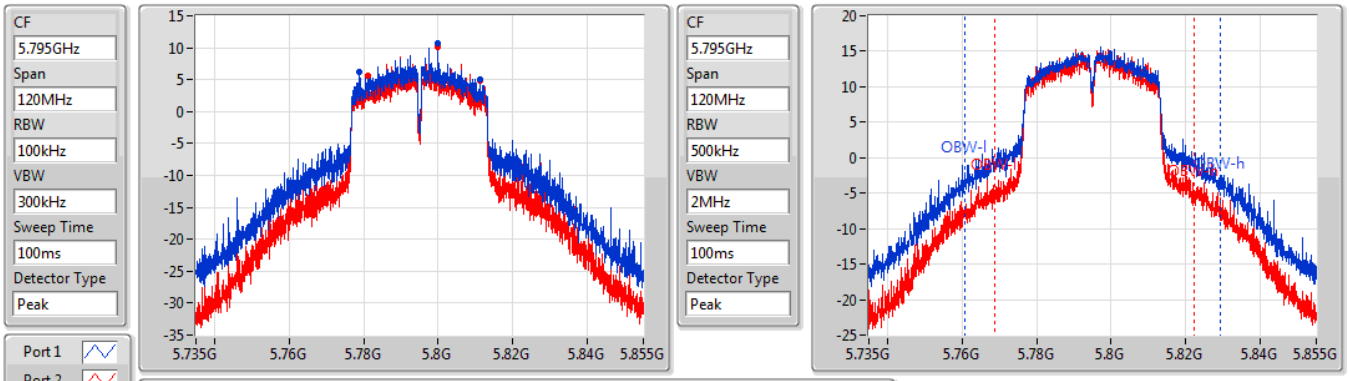


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30M	5.7412G	5.7712G	57.451M	5.726394G	5.783846G	500k	1
32.52M	5.73994G	5.77246G	41.859M	5.73455G	5.776409G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5795MHz

18/09/2020

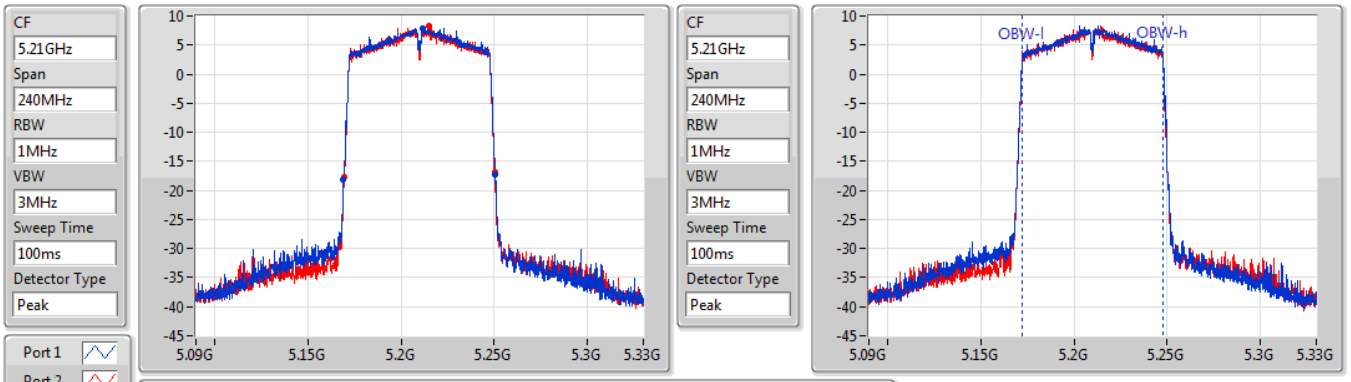


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.46M	5.77868G	5.81114G	68.546M	5.760817G	5.829363G	500k	1
29.94M	5.7812G	5.81114G	53.673M	5.768613G	5.822286G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

18/09/2020

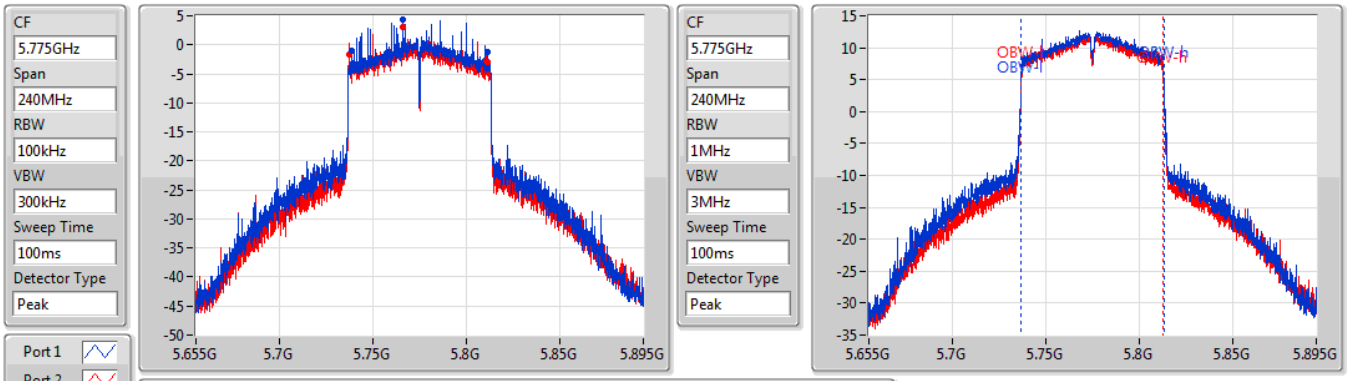


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.24M	5.1692G	5.25044G	75.322M	5.172339G	5.247661G	Inf	1
80.76M	5.16944G	5.2502G	75.202M	5.172339G	5.247541G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz

18/09/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
72.6M	5.73864G	5.81124G	76.522M	5.736619G	5.813141G	500k	1
74.16M	5.73732G	5.81148G	76.162M	5.736859G	5.813021G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	26.04	0.40179
802.11ac VHT20_Nss1,(MCS0)_2TX	25.97	0.39537
802.11ac VHT40_Nss1,(MCS0)_2TX	23.24	0.21086
802.11ac VHT80_Nss1,(MCS0)_2TX	18.71	0.07430
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	27.26	0.53211
802.11ac VHT20_Nss1,(MCS0)_2TX	27.38	0.54702
802.11ac VHT40_Nss1,(MCS0)_2TX	25.97	0.39537
802.11ac VHT80_Nss1,(MCS0)_2TX	22.89	0.19454

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	1.50	20.55	19.96	23.28	30.00
5200MHz	Pass	1.50	23.29	22.76	26.04	30.00
5240MHz	Pass	1.50	20.86	20.50	23.69	30.00
5745MHz	Pass	1.50	24.09	24.38	27.25	30.00
5785MHz	Pass	1.50	24.14	24.36	27.26	30.00
5825MHz	Pass	1.50	24.05	24.35	27.21	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	1.50	19.43	18.86	22.16	30.00
5200MHz	Pass	1.50	23.29	22.61	25.97	30.00
5240MHz	Pass	1.50	20.49	19.85	23.19	30.00
5745MHz	Pass	1.50	24.28	24.32	27.31	30.00
5785MHz	Pass	1.50	24.34	24.40	27.38	30.00
5825MHz	Pass	1.50	24.09	24.36	27.24	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	1.50	17.06	16.52	19.81	30.00
5230MHz	Pass	1.50	20.59	19.83	23.24	30.00
5755MHz	Pass	1.50	22.80	21.67	25.28	30.00
5795MHz	Pass	1.50	23.53	22.30	25.97	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	1.50	15.84	15.55	18.71	30.00
5775MHz	Pass	1.50	20.29	19.43	22.89	30.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	12.74
802.11ac VHT20_Nss1,(MCS0)_2TX	13.47
802.11ac VHT40_Nss1,(MCS0)_2TX	8.28
802.11ac VHT80_Nss1,(MCS0)_2TX	-0.84
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	12.51
802.11ac VHT20_Nss1,(MCS0)_2TX	11.89
802.11ac VHT40_Nss1,(MCS0)_2TX	8.90
802.11ac VHT80_Nss1,(MCS0)_2TX	1.83

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

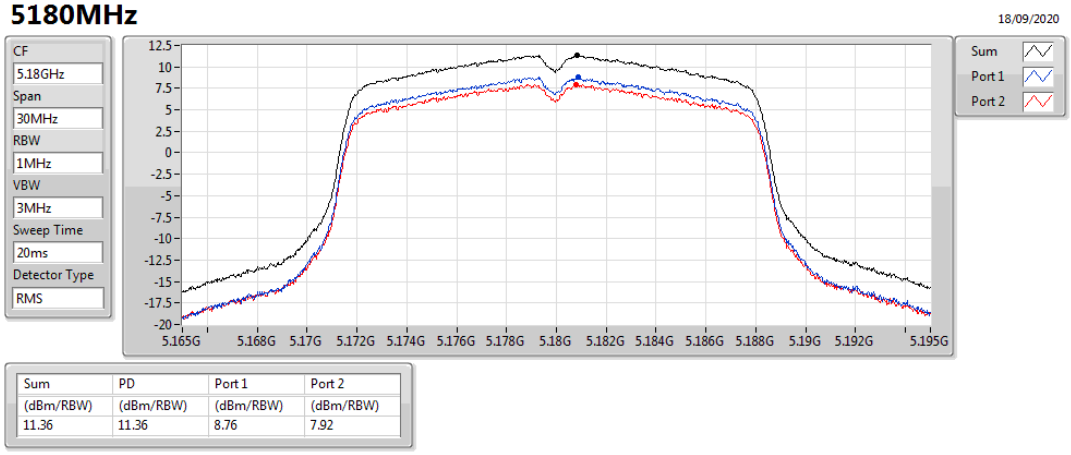
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.51	8.76	7.92	11.36	17.00
5200MHz	Pass	4.51	10.04	9.63	12.74	17.00
5240MHz	Pass	4.51	7.78	7.47	10.52	17.00
5745MHz	Pass	4.51	9.24	10.03	12.51	30.00
5785MHz	Pass	4.51	8.10	8.01	10.95	30.00
5825MHz	Pass	4.51	8.24	8.63	11.24	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.51	7.30	6.45	9.87	17.00
5200MHz	Pass	4.51	10.84	10.20	13.47	17.00
5240MHz	Pass	4.51	8.21	7.60	10.81	17.00
5745MHz	Pass	4.51	8.84	9.10	11.89	30.00
5785MHz	Pass	4.51	8.79	9.09	11.83	30.00
5825MHz	Pass	4.51	8.71	9.11	11.73	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	4.51	2.24	1.78	5.01	17.00
5230MHz	Pass	4.51	5.73	4.96	8.28	17.00
5755MHz	Pass	4.51	6.31	5.48	8.90	30.00
5795MHz	Pass	4.51	5.97	4.45	8.23	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	4.51	-3.46	-4.04	-0.84	17.00
5775MHz	Pass	4.51	-0.55	-1.62	1.83	30.00

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

802.11a_Nss1,(6Mbps)_2TX PSD

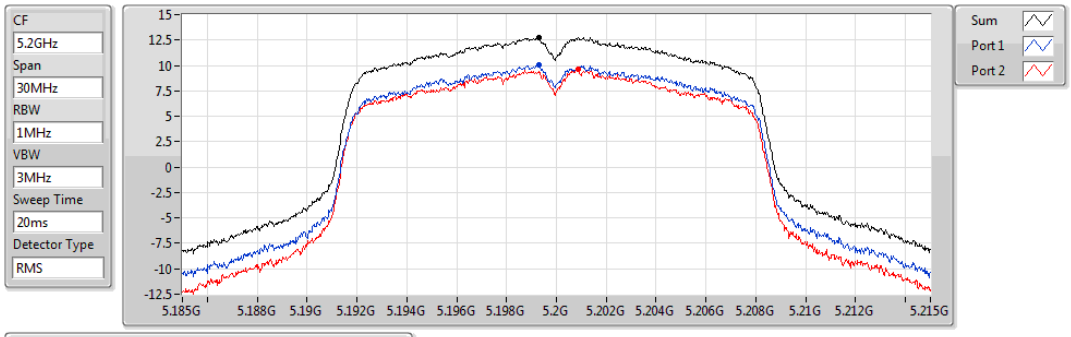
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.36	11.36	8.76	7.92

802.11a_Nss1,(6Mbps)_2TX PSD

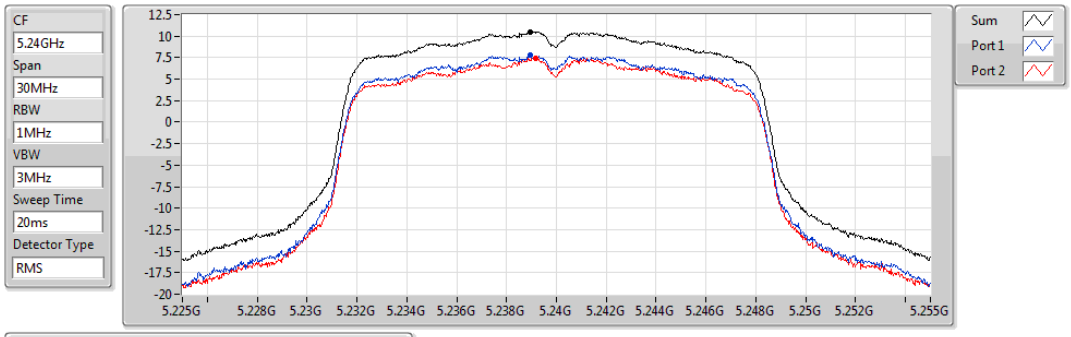
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.74	12.74	10.04	9.63

802.11a_Nss1,(6Mbps)_2TX PSD

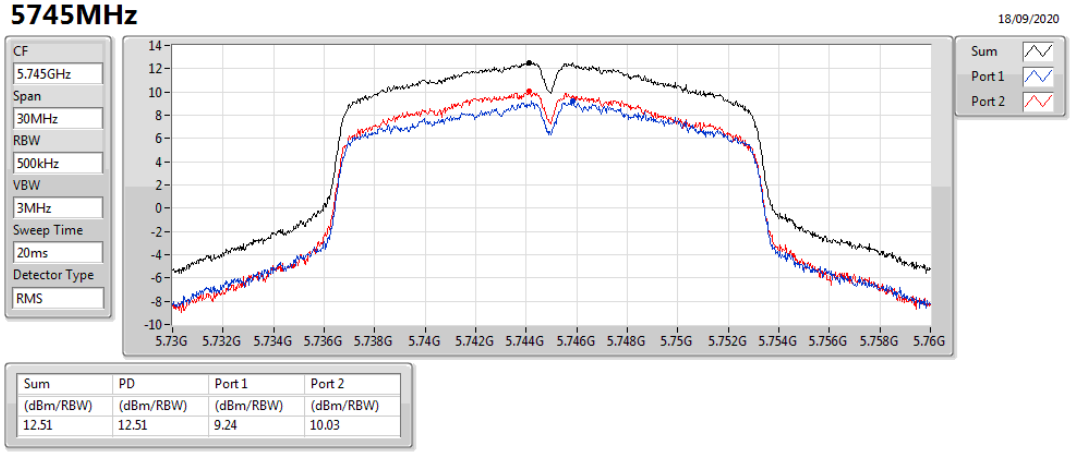
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.52	10.52	7.78	7.47

802.11a_Nss1,(6Mbps)_2TX PSD

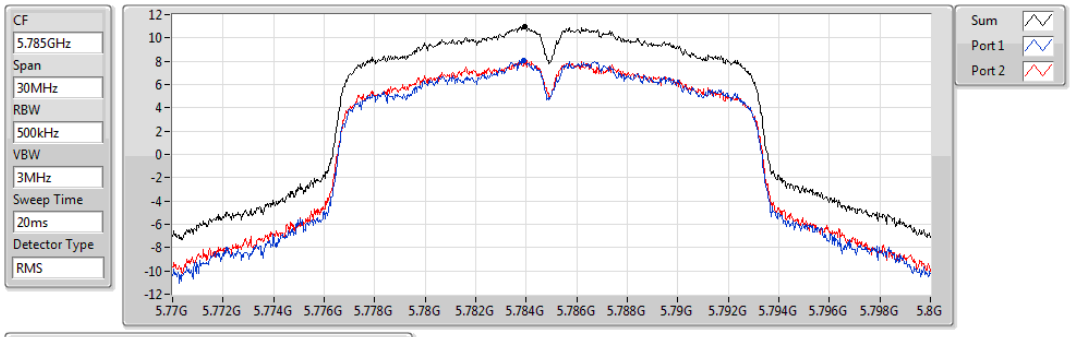
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.51	12.51	9.24	10.03

802.11a_Nss1,(6Mbps)_2TX PSD

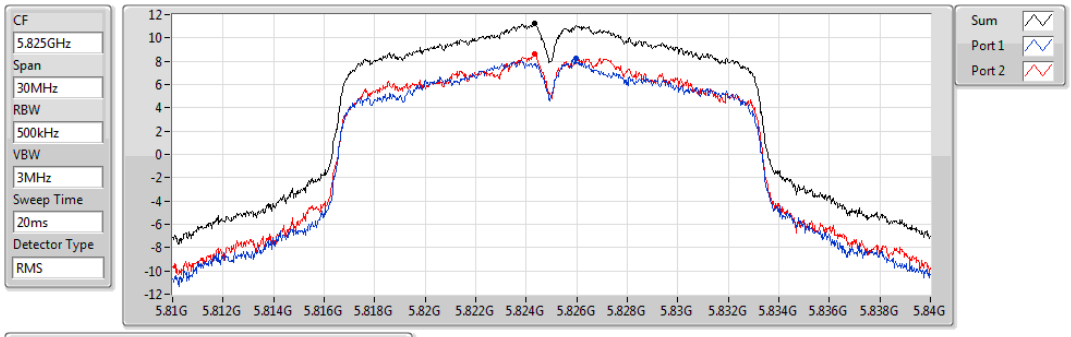
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.95	10.95	8.10	8.01

802.11a_Nss1,(6Mbps)_2TX PSD

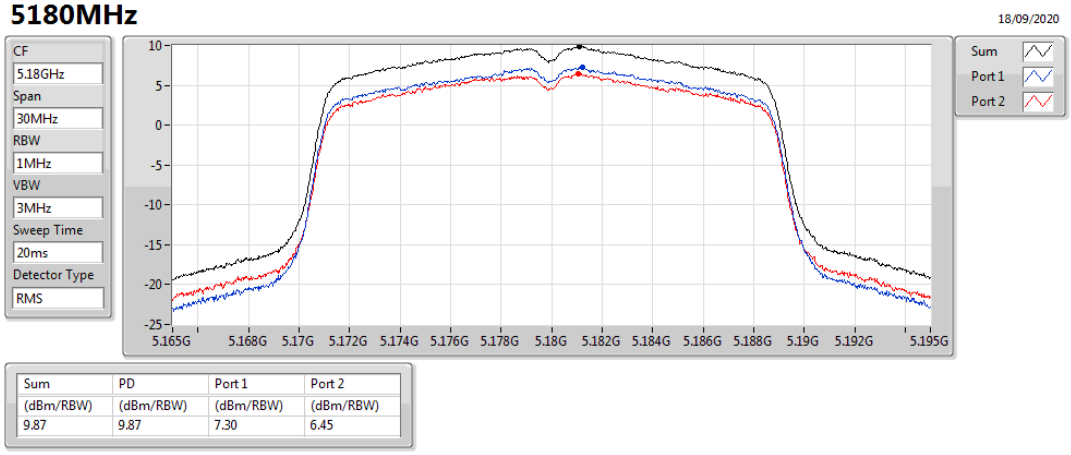
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.24	11.24	8.24	8.63

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

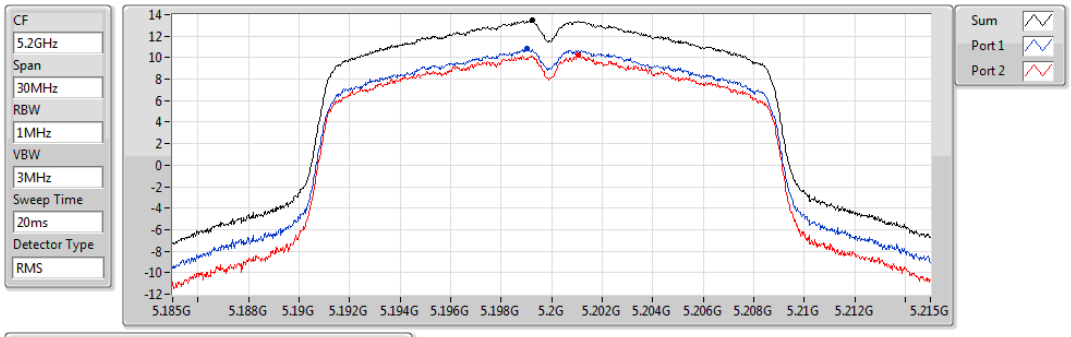
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.87	9.87	7.30	6.45

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

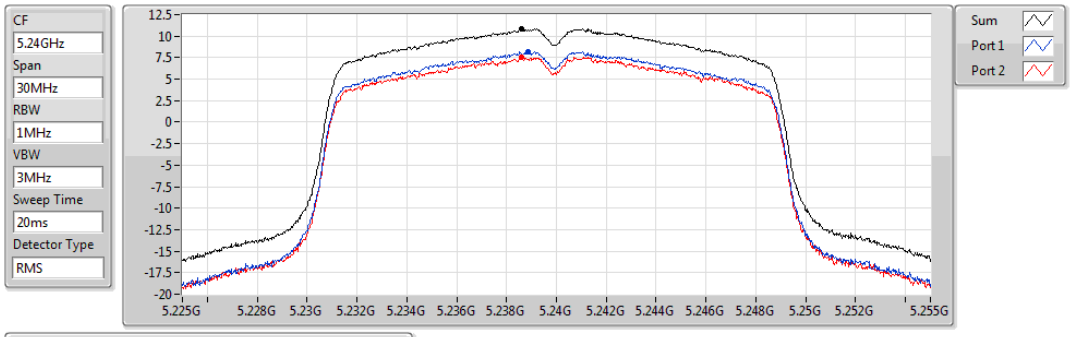
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.47	13.47	10.84	10.20

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

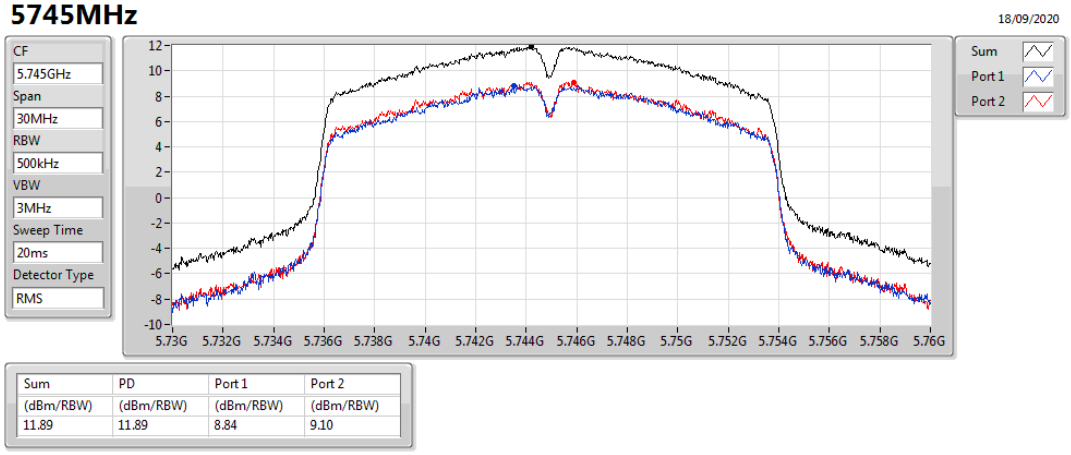
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.81	10.81	8.21	7.60

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

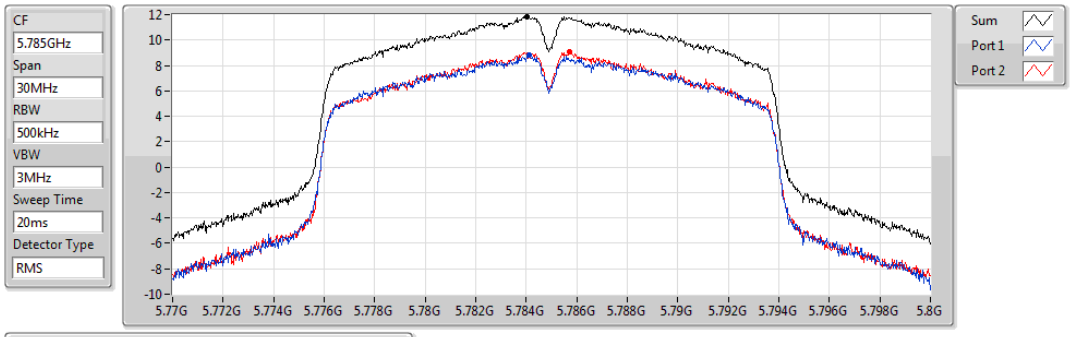
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.89	11.89	8.84	9.10

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

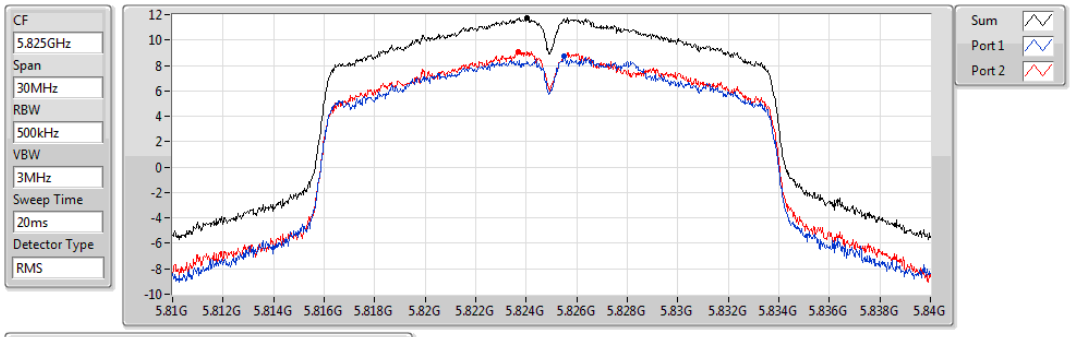
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.83	11.83	8.79	9.09

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

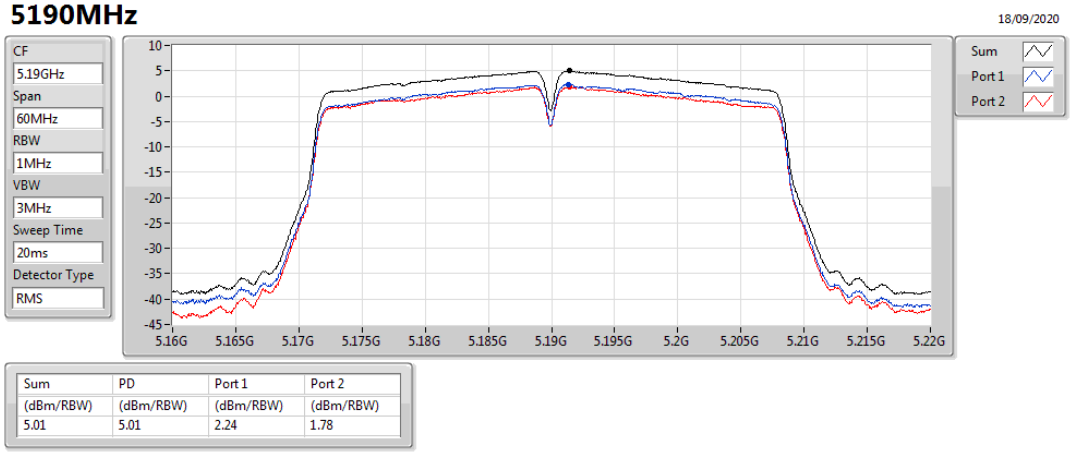
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.73	11.73	8.71	9.11

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

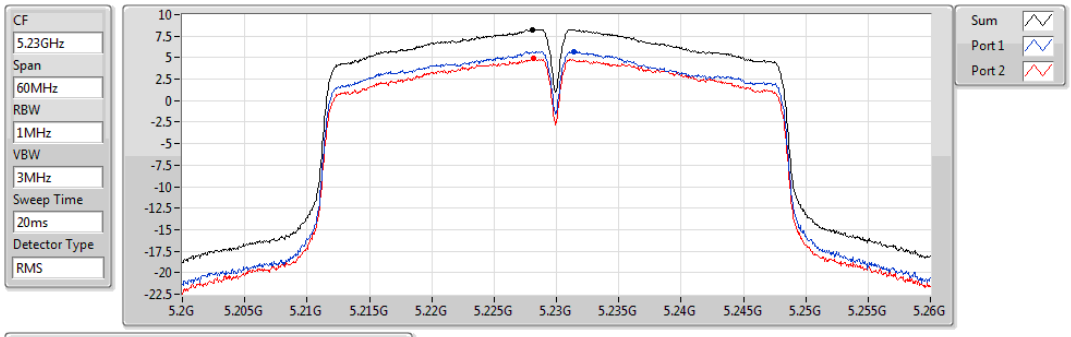
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.01	5.01	2.24	1.78

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

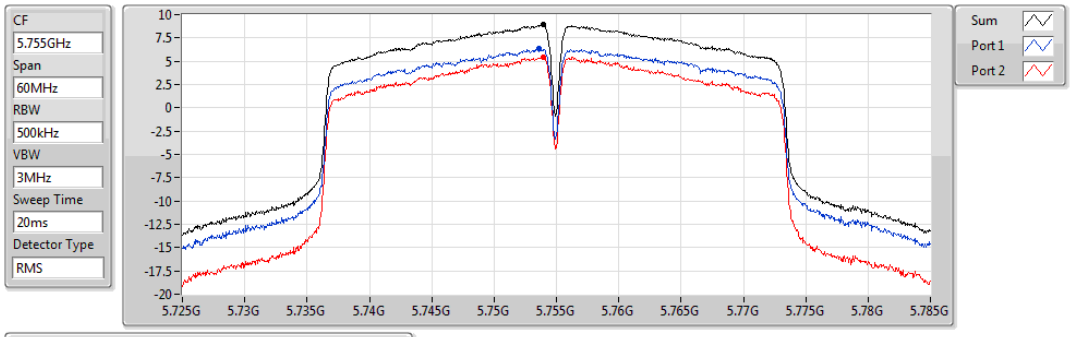
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.28	8.28	5.73	4.96

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

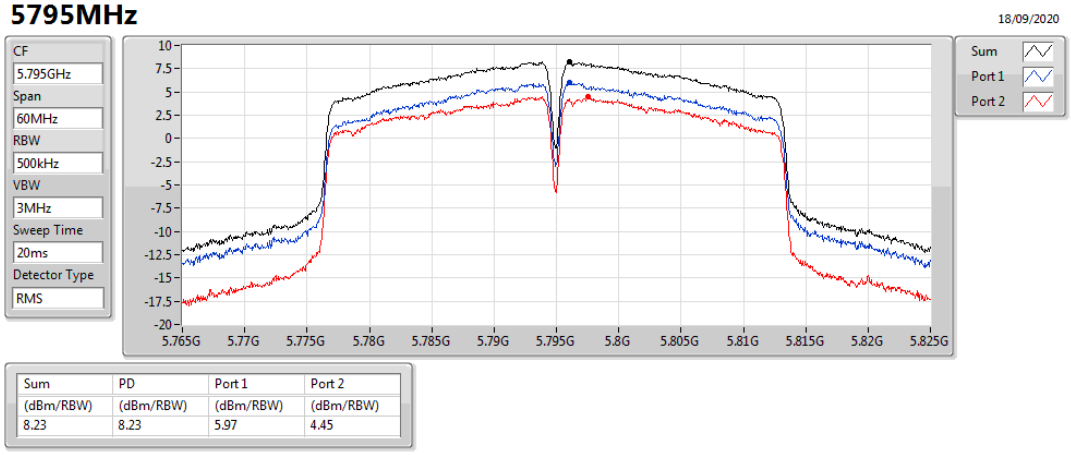
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.90	8.90	6.31	5.48

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

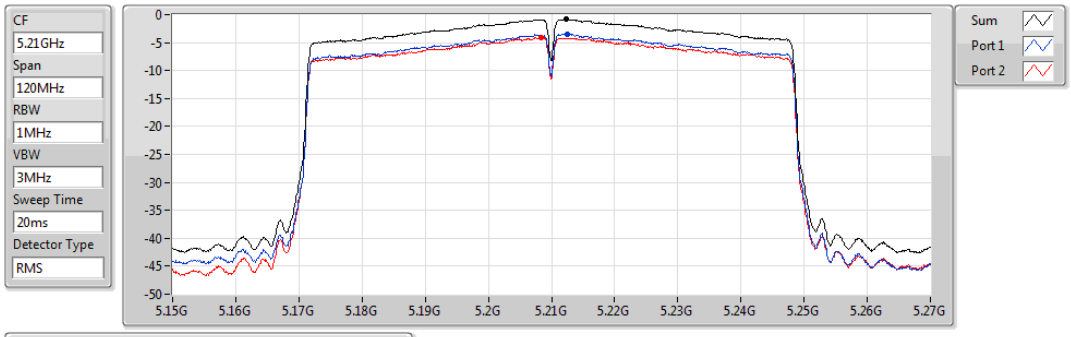
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.23	8.23	5.97	4.45

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

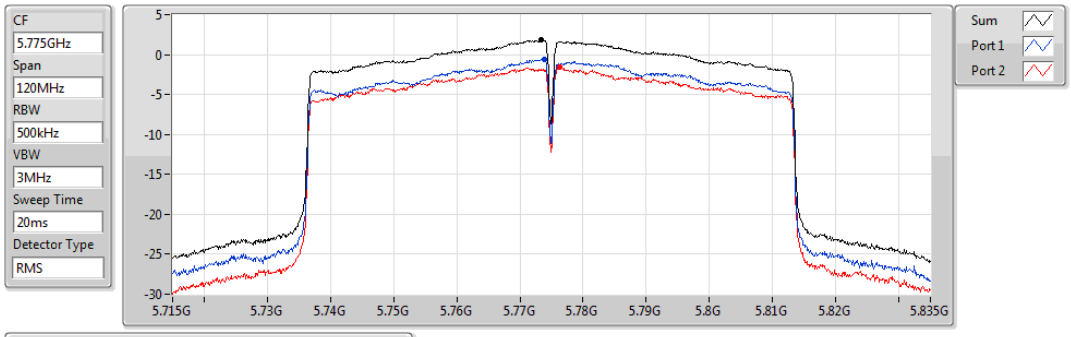
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.84	-0.84	-3.46	-4.04

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz



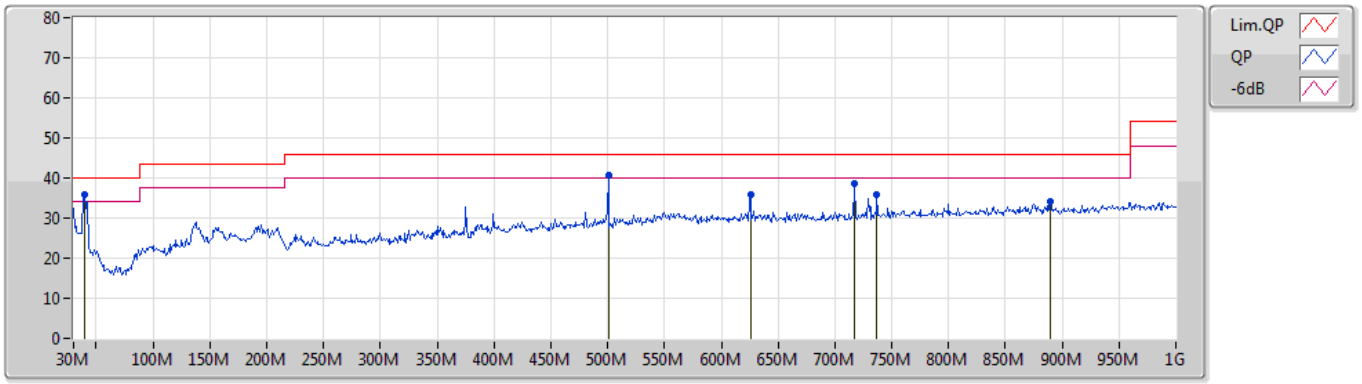
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.83	1.83	-0.55	-1.62

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	39.7M	35.81	40.00	-4.19	Vertical

Mode 2

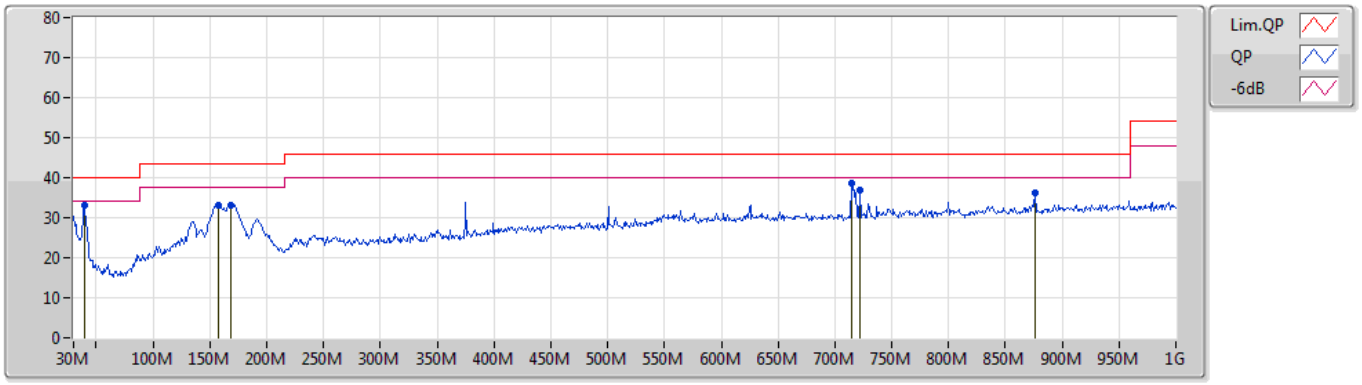
23/09/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	39.7M	35.81	40.00	-4.19	-8.42	3	Vertical	138	1.25	"Worst"	44.23	19.42	0.70	28.54
PK	500.45M	40.71	46.00	-5.29	-2.91	3	Vertical	256	1.00	-	43.62	23.53	2.80	29.24
PK	625.58M	35.90	46.00	-10.10	-0.84	3	Vertical	204	1.50	-	36.74	25.37	3.25	29.46
PK	717.73M	38.73	46.00	-7.27	-0.51	3	Vertical	0	1.00	-	39.24	25.31	3.47	29.29
PK	737.13M	35.89	46.00	-10.11	0.03	3	Vertical	100	3.00	-	35.86	25.78	3.55	29.30
PK	889.42M	34.06	46.00	-11.94	1.52	3	Vertical	341	3.00	-	32.54	26.46	3.88	28.82

Mode 2

23/09/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	39.7M	33.01	40.00	-6.99	-8.42	3	Horizontal	8	1.25	"Worst"	41.43	19.42	0.70	28.54
PK	158.04M	33.23	43.50	-10.27	-10.77	3	Horizontal	284	2.00	-	44.00	15.99	1.59	28.35
PK	168.71M	33.24	43.50	-10.26	-11.06	3	Horizontal	263	1.50	-	44.30	15.56	1.64	28.26
PK	714.82M	38.70	46.00	-7.30	-0.60	3	Horizontal	209	3.00	-	39.30	25.23	3.46	29.29
PK	722.58M	36.73	46.00	-9.27	-0.36	3	Horizontal	0	3.00	-	37.09	25.44	3.49	29.29
PK	875.84M	36.18	46.00	-9.82	1.42	3	Horizontal	263	1.00	-	34.76	26.46	3.85	28.89

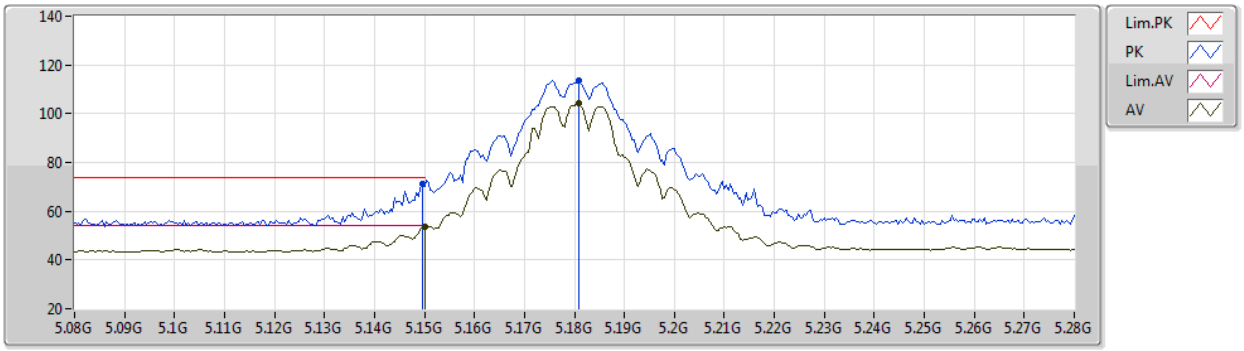
Summary

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 VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.1492G	53.97	54.00	-0.03	3	Vertical	309	2.62	-

802.11a_Nss1,(6Mbps)_2TX

16/09/2020

5180MHz_TX



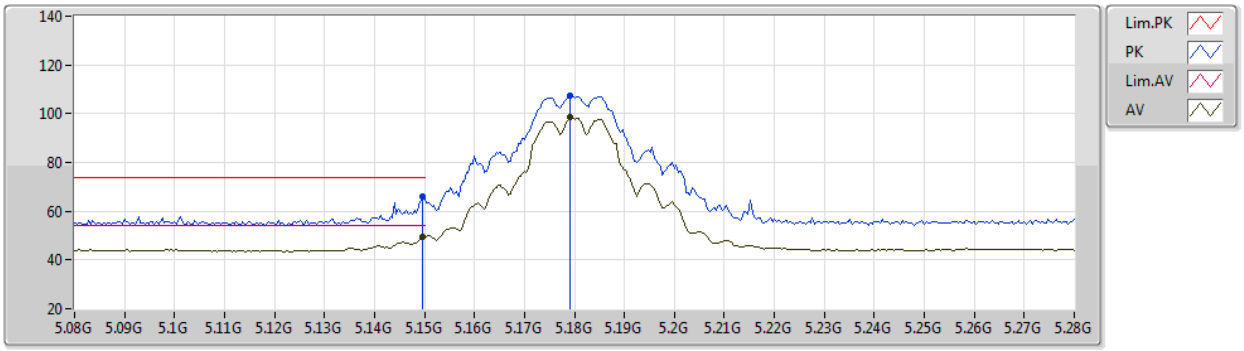
EUT Y_2TX
Setting 27
04-D-P-2-10

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	71.26	74.00	-2.74	66.03	3	Vertical	195	1.79	-	33.05	4.98	32.80
AV	5.15G	53.72	54.00	-0.28	48.49	3	Vertical	195	1.79	-	33.05	4.98	32.80
PK	5.1808G	113.84	Inf	-Inf	108.56	3	Vertical	195	1.79	-	33.08	4.99	32.79
AV	5.1808G	104.28	Inf	-Inf	99.00	3	Vertical	195	1.79	-	33.08	4.99	32.79

802.11a_Nss1,(6Mbps)_2TX

16/09/2020

5180MHz_TX



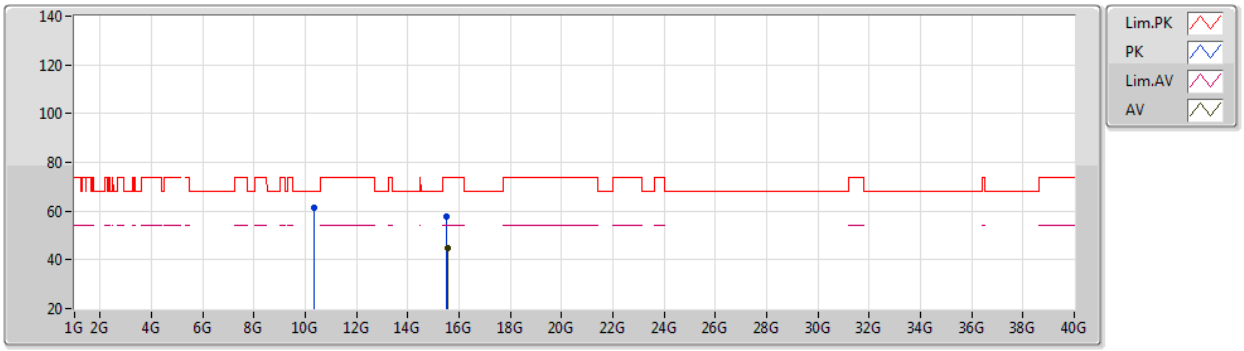
EUT Y_2TX
Setting 27
04-D-P-2-10

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	65.87	74.00	-8.13	60.64	3	Horizontal	117	1.92	-	33.05	4.98	32.80
AV	5.1496G	49.60	54.00	-4.40	44.37	3	Horizontal	117	1.92	-	33.05	4.98	32.80
PK	5.1792G	107.51	Inf	-Inf	102.23	3	Horizontal	117	1.92	-	33.08	4.99	32.79
AV	5.1792G	98.76	Inf	-Inf	93.48	3	Horizontal	117	1.92	-	33.08	4.99	32.79

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

16/09/2020



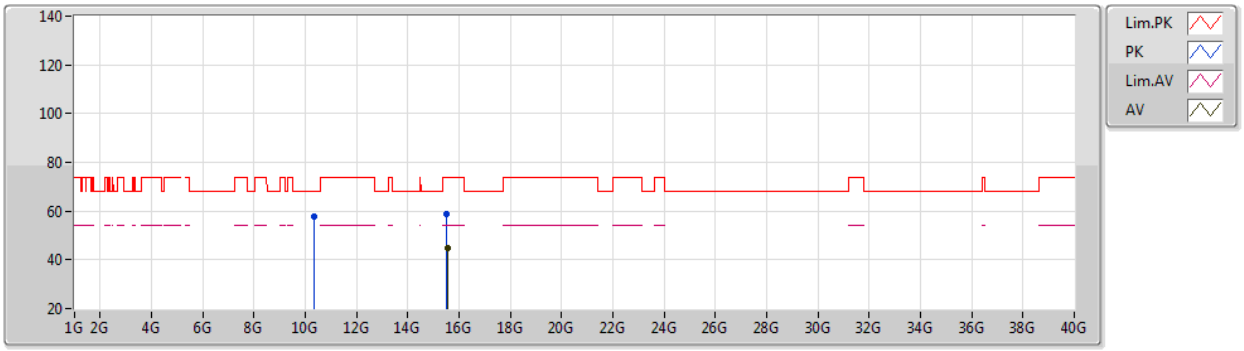
EUT Y_2TX
Setting 27
04-E-K-4

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	10.35712G	61.24	68.20	-6.96	46.42	3	Vertical	304	2.01	-	38.89	8.51	32.58
PK	15.52506G	57.54	74.00	-16.46	42.38	3	Vertical	65	1.87	-	38.78	9.24	32.86
AV	15.54456G	44.96	54.00	-9.04	29.85	3	Vertical	65	1.87	-	38.72	9.25	32.86

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

16/09/2020



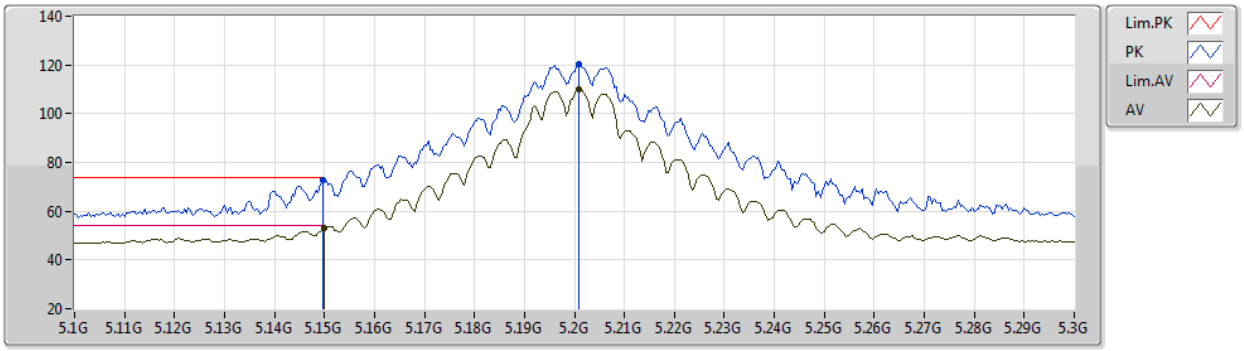
EUT Y_2TX
Setting 27
04-E-K-4

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	10.35466G	57.80	68.20	-10.40	42.98	3	Horizontal	265	1.80	-	38.89	8.51	32.58
PK	15.52656G	58.75	74.00	-15.25	43.60	3	Horizontal	13	2.85	-	38.77	9.24	32.86
AV	15.54498G	44.95	54.00	-9.05	29.84	3	Horizontal	13	2.85	-	38.72	9.25	32.86

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

16/09/2020



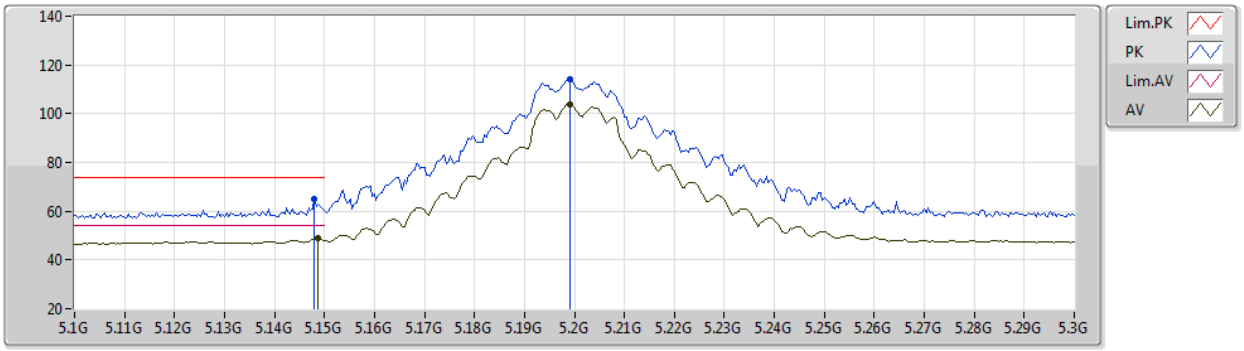
EUT Y_2TX
Setting 2E
02-E-K-4-10

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	5.1496G	72.80	74.00	-1.20	65.11	3	Vertical	199	2.02	-	33.45	5.97	31.73
AV	5.15G	53.07	54.00	-0.93	45.38	3	Vertical	199	2.02	-	33.45	5.97	31.73
PK	5.2008G	120.60	Inf	-Inf	112.79	3	Vertical	199	2.02	-	33.50	6.00	31.69
AV	5.2008G	110.01	Inf	-Inf	102.20	3	Vertical	199	2.02	-	33.50	6.00	31.69

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

16/09/2020



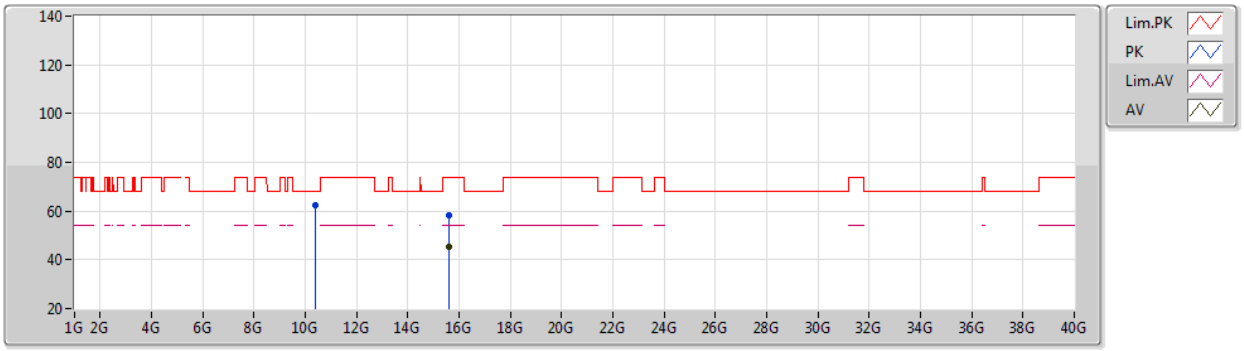
EUT Y_2TX
Setting 2E
02-E-K-4-10

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	5.148G	64.81	74.00	-9.19	57.12	3	Horizontal	235	1.80	-	33.45	5.97	31.73
AV	5.1488G	48.73	54.00	-5.27	41.04	3	Horizontal	235	1.80	-	33.45	5.97	31.73
PK	5.1992G	114.07	Inf	-Inf	106.26	3	Horizontal	235	1.80	-	33.50	6.00	31.69
AV	5.1992G	103.97	Inf	-Inf	96.16	3	Horizontal	235	1.80	-	33.50	6.00	31.69

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

16/09/2020



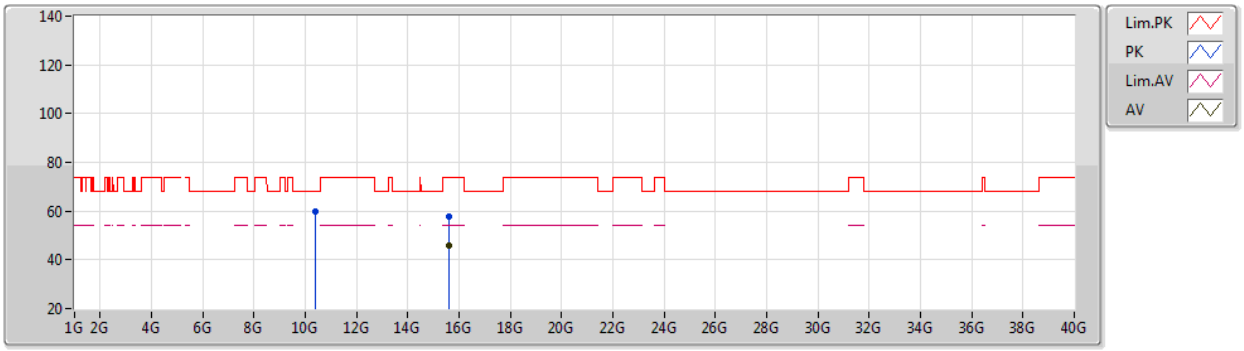
EUT Y_2TX
Setting 2E
02-E-K-4

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	10.4009G	62.43	68.20	-5.77	47.64	3	Vertical	301	1.96	-	38.86	8.52	32.59
PK	15.5992G	58.22	74.00	-15.78	43.25	3	Vertical	122	2.91	-	38.56	9.27	32.86
AV	15.587G	45.36	54.00	-8.64	30.36	3	Vertical	122	2.91	-	38.60	9.26	32.86

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

16/09/2020



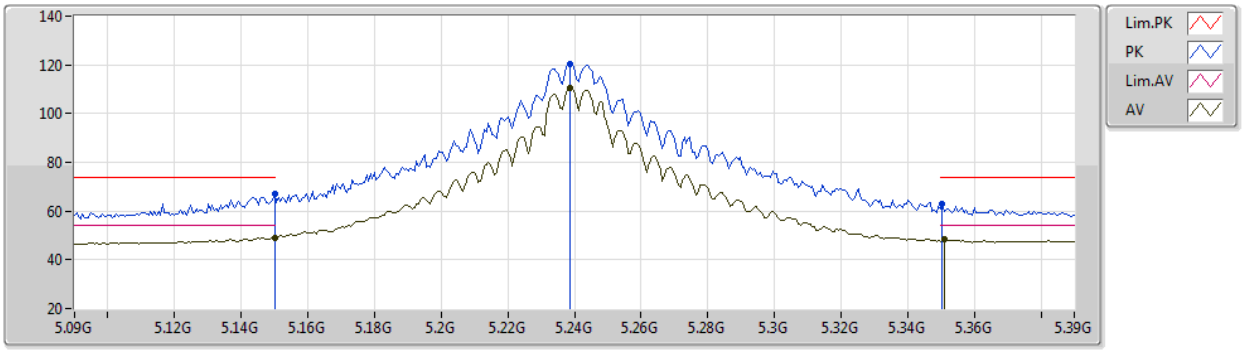
EUT Y_2TX
Setting 2E
02-E-K-4

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	10.39936G	60.01	68.20	-8.19	45.22	3	Horizontal	261	1.68	-	38.86	8.52	32.59
PK	15.5836G	57.74	74.00	-16.26	42.73	3	Horizontal	110	1.86	-	38.61	9.26	32.86
AV	15.596G	45.72	54.00	-8.28	30.74	3	Horizontal	110	1.86	-	38.57	9.27	32.86

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

16/09/2020



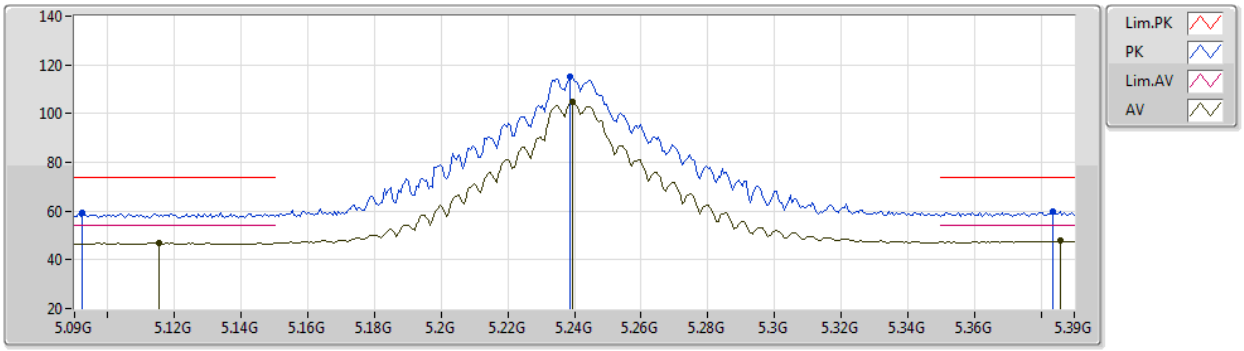
EUT Y_2TX
Setting 32
02-E-K-4-10

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	5.15G	66.96	74.00	-7.04	59.27	3	Vertical	143	2.00	-	33.45	5.97	31.73
AV	5.15G	49.02	54.00	-4.98	41.33	3	Vertical	143	2.00	-	33.45	5.97	31.73
PK	5.2388G	120.50	Inf	-Inf	112.56	3	Vertical	143	2.00	-	33.58	6.02	31.66
AV	5.2388G	110.45	Inf	-Inf	102.51	3	Vertical	143	2.00	-	33.58	6.02	31.66
PK	5.3504G	63.10	74.00	-10.90	54.85	3	Vertical	143	2.00	-	33.75	6.08	31.58
AV	5.351G	48.23	54.00	-5.77	39.98	3	Vertical	143	2.00	-	33.75	6.08	31.58

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

16/09/2020



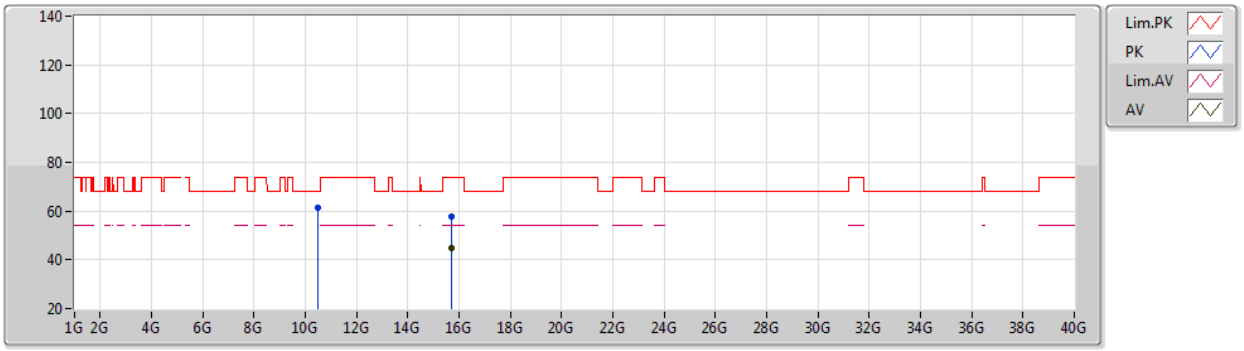
EUT Y_2TX
Setting 32
02-E-K-4-10

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	5.0924G	59.27	74.00	-14.73	51.70	3	Horizontal	236	1.91	-	33.39	5.95	31.77
AV	5.1152G	47.02	54.00	-6.98	39.39	3	Horizontal	236	1.91	-	33.42	5.96	31.75
PK	5.2388G	115.27	Inf	-Inf	107.33	3	Horizontal	236	1.91	-	33.58	6.02	31.66
AV	5.2394G	104.85	Inf	-Inf	96.91	3	Horizontal	236	1.91	-	33.58	6.02	31.66
PK	5.3834G	60.01	74.00	-13.99	51.70	3	Horizontal	236	1.91	-	33.78	6.09	31.56
AV	5.3858G	47.76	54.00	-6.24	39.44	3	Horizontal	236	1.91	-	33.79	6.09	31.56

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

16/09/2020



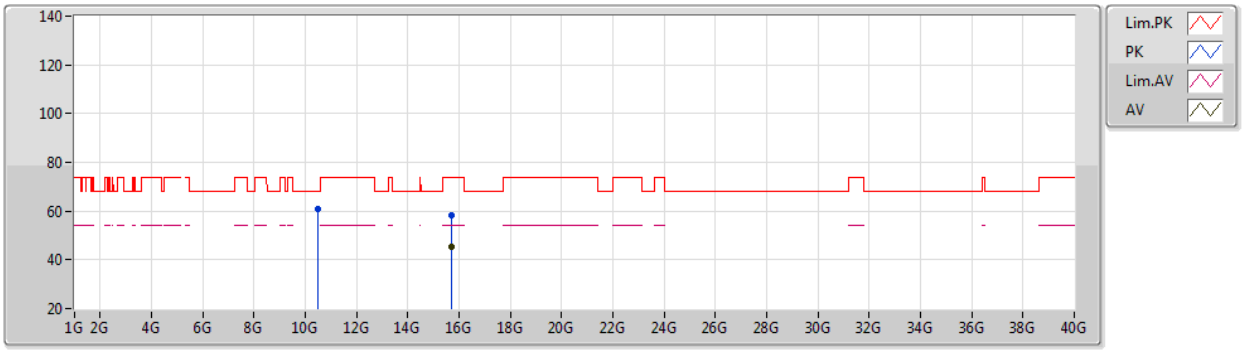
EUT Y_2TX
Setting 32
02-E-K-4

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	10.4817G	61.59	68.20	-6.61	46.84	3	Vertical	296	2.19	-	38.81	8.55	32.61
PK	15.7211G	57.81	74.00	-16.19	43.16	3	Vertical	48	1.80	-	38.21	9.31	32.87
AV	15.6955G	44.61	54.00	-9.39	29.89	3	Vertical	48	1.80	-	38.28	9.30	32.86

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

16/09/2020



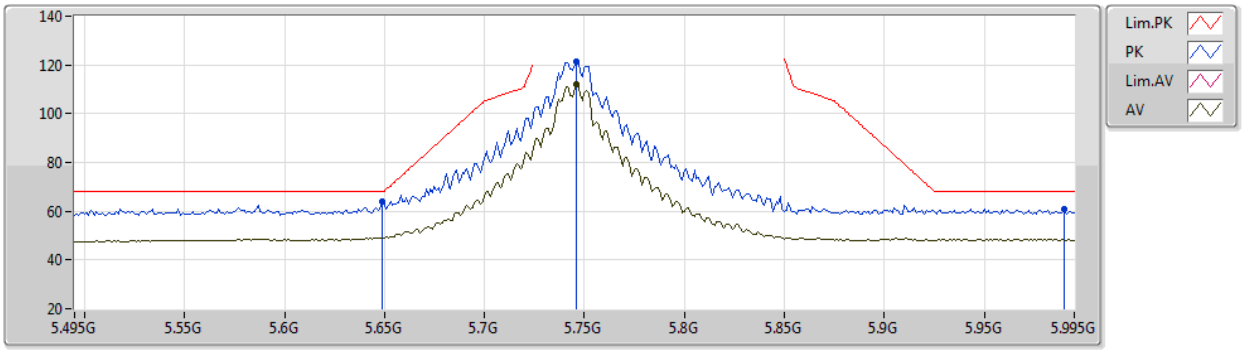
EUT Y_2TX
Setting 32
02-E-K-4

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	10.4798G	60.76	68.20	-7.44	46.01	3	Horizontal	344	1.97	-	38.81	8.55	32.61
PK	15.7196G	58.32	74.00	-15.68	43.67	3	Horizontal	329	1.83	-	38.21	9.31	32.87
AV	15.7163G	45.20	54.00	-8.80	30.54	3	Horizontal	329	1.83	-	38.22	9.31	32.87

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

16/09/2020



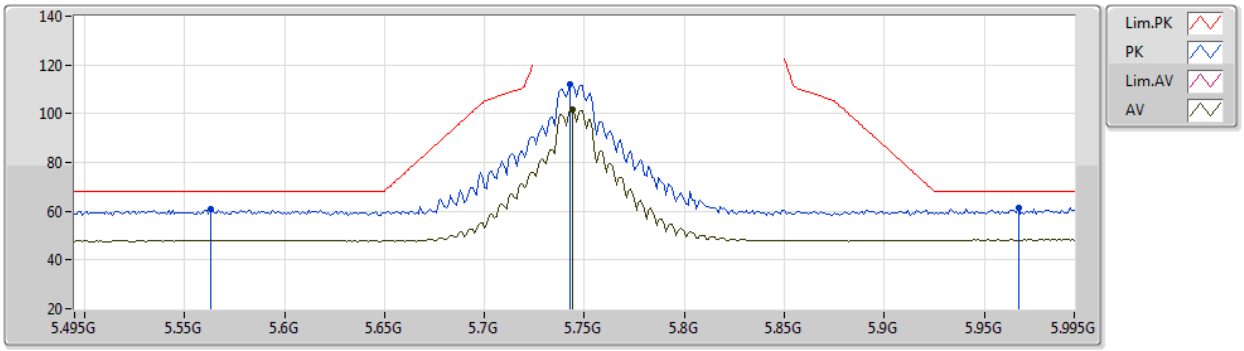
EUT Y_2TX
Setting 32
02-E-K-4-10

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	5.649G	64.21	68.20	-3.99	55.51	3	Vertical	67	1.70	-	33.85	6.32	31.47
PK	5.746G	121.46	Inf	-Inf	112.75	3	Vertical	67	1.70	-	33.80	6.37	31.46
AV	5.746G	111.93	Inf	-Inf	103.22	3	Vertical	67	1.70	-	33.80	6.37	31.46
PK	5.99G	60.75	68.20	-7.45	51.71	3	Vertical	67	1.70	-	34.19	6.30	31.45

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

16/09/2020



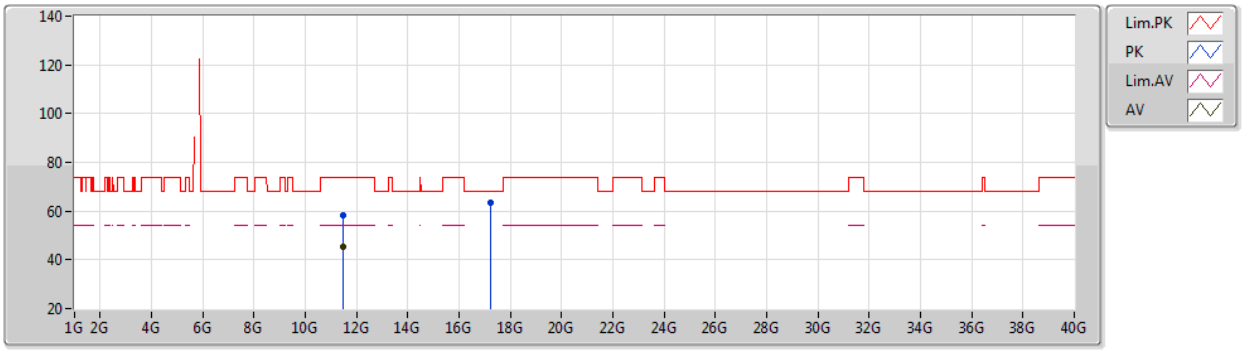
EUT Y_2TX
Setting 32
02-E-K-4-10

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	5.563G	60.63	68.20	-7.57	51.93	3	Horizontal	140	1.66	-	33.90	6.27	31.47
PK	5.743G	112.31	Inf	-Inf	103.60	3	Horizontal	140	1.66	-	33.80	6.37	31.46
AV	5.744G	101.81	Inf	-Inf	93.10	3	Horizontal	140	1.66	-	33.80	6.37	31.46
PK	5.967G	61.29	68.20	-6.91	52.25	3	Horizontal	140	1.66	-	34.17	6.32	31.45

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

16/09/2020



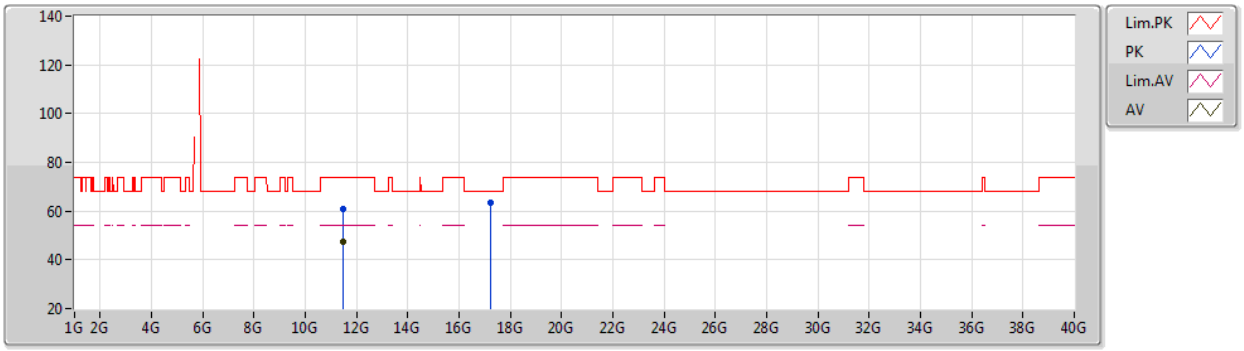
EUT Y_2TX
Setting 32
02-E-K-4

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	11.493G	58.23	74.00	-15.77	43.34	3	Vertical	281	1.80	-	38.89	8.85	32.85
AV	11.4926G	45.19	54.00	-8.81	30.30	3	Vertical	281	1.80	-	38.89	8.85	32.85
PK	17.211G	63.31	68.20	-4.89	43.82	3	Vertical	276	2.01	-	42.34	10.13	32.98

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

16/09/2020



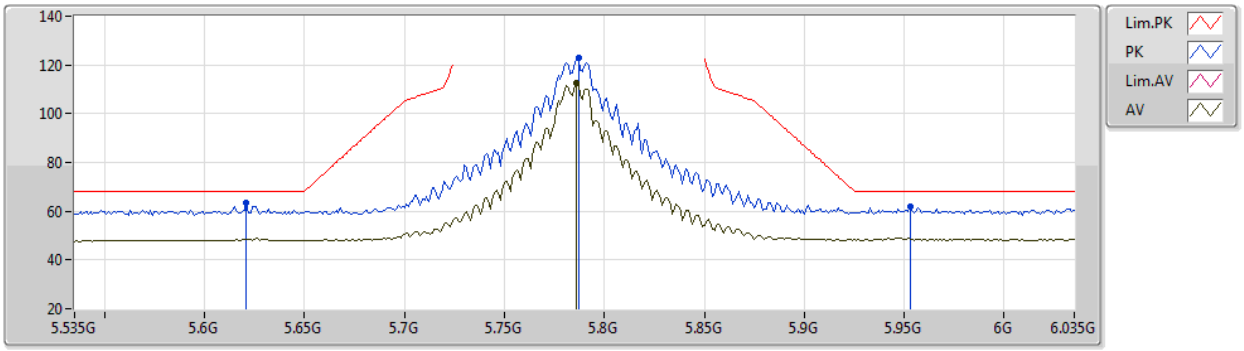
EUT Y_2TX
Setting 32
02-E-K-4

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	11.4894G	60.89	74.00	-13.11	46.00	3	Horizontal	63	1.64	-	38.89	8.85	32.85
AV	11.4888G	47.61	54.00	-6.39	32.72	3	Horizontal	63	1.64	-	38.89	8.85	32.85
PK	17.2425G	63.65	68.20	-4.55	43.97	3	Horizontal	102	1.80	-	42.51	10.15	32.98

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

16/09/2020



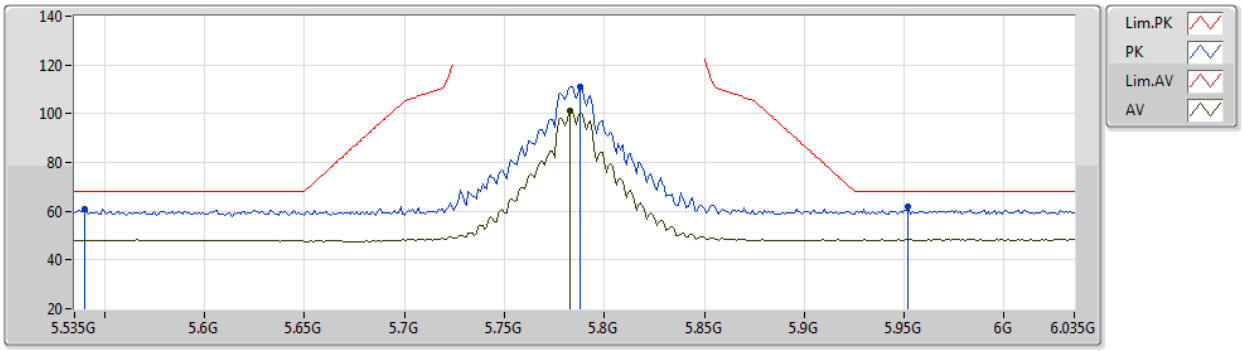
EUT Y_2TX
Setting 32
02-E-K-4-10

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	5.621G	63.23	68.20	-4.97	54.51	3	Vertical	262	1.92	-	33.88	6.31	31.47
PK	5.787G	122.74	Inf	-Inf	114.01	3	Vertical	262	1.92	-	33.80	6.39	31.46
AV	5.786G	112.41	Inf	-Inf	103.68	3	Vertical	262	1.92	-	33.80	6.39	31.46
PK	5.953G	62.02	68.20	-6.18	53.00	3	Vertical	262	1.92	-	34.15	6.32	31.45

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

16/09/2020



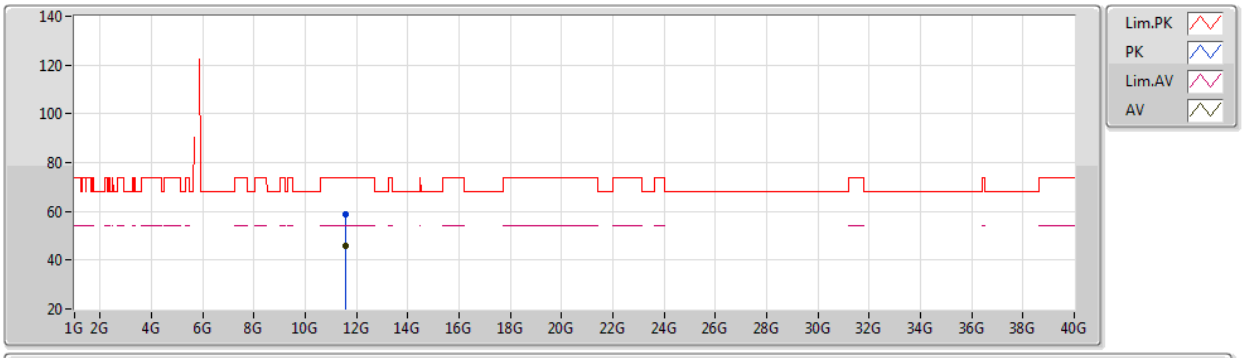
EUT Y_2TX
Setting 32
02-E-K-4-10

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	5.54G	60.85	68.20	-7.35	52.17	3	Horizontal	137	1.79	-	33.90	6.25	31.47
PK	5.788G	111.20	Inf	-Inf	102.47	3	Horizontal	137	1.79	-	33.80	6.39	31.46
AV	5.783G	100.99	Inf	-Inf	92.26	3	Horizontal	137	1.79	-	33.80	6.39	31.46
PK	5.952G	61.90	68.20	-6.30	52.88	3	Horizontal	137	1.79	-	34.15	6.32	31.45

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

16/09/2020



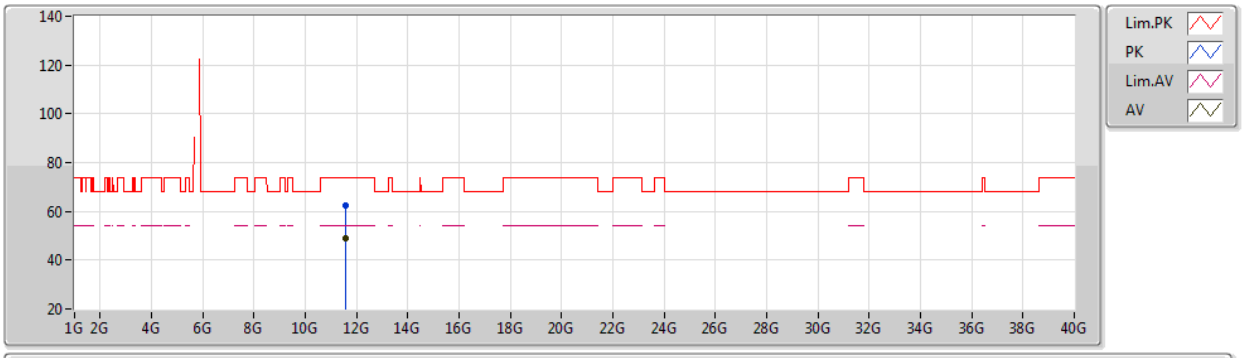
EUT Y_2TX
Setting 32
02-E-K-4

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	11.5727G	58.76	74.00	-15.24	43.78	3	Vertical	130	1.91	-	38.96	8.88	32.86
AV	11.5727G	45.82	54.00	-8.18	30.84	3	Vertical	130	1.91	-	38.96	8.88	32.86

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

16/09/2020



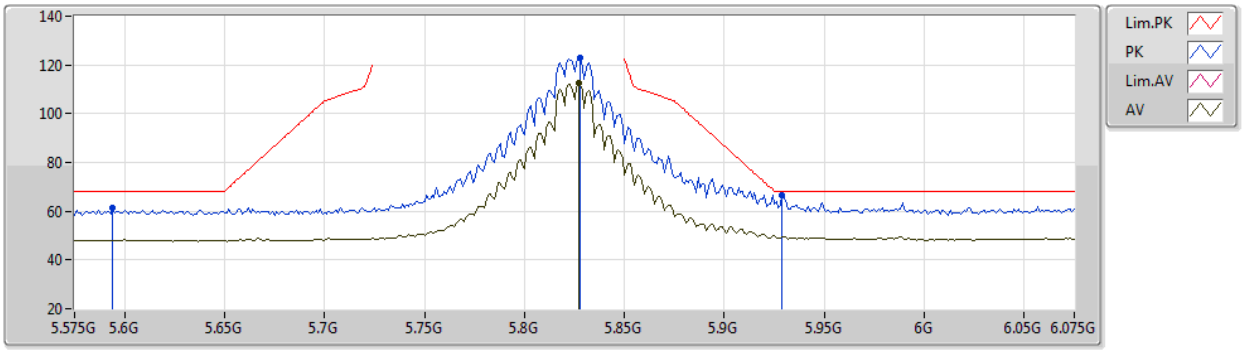
EUT Y_2TX
Setting 32
02-E-K-4

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	11.5649G	62.29	74.00	-11.71	47.33	3	Horizontal	55	1.48	-	38.95	8.87	32.86
AV	11.5692G	49.18	54.00	-4.82	34.20	3	Horizontal	55	1.48	-	38.96	8.88	32.86

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

16/09/2020



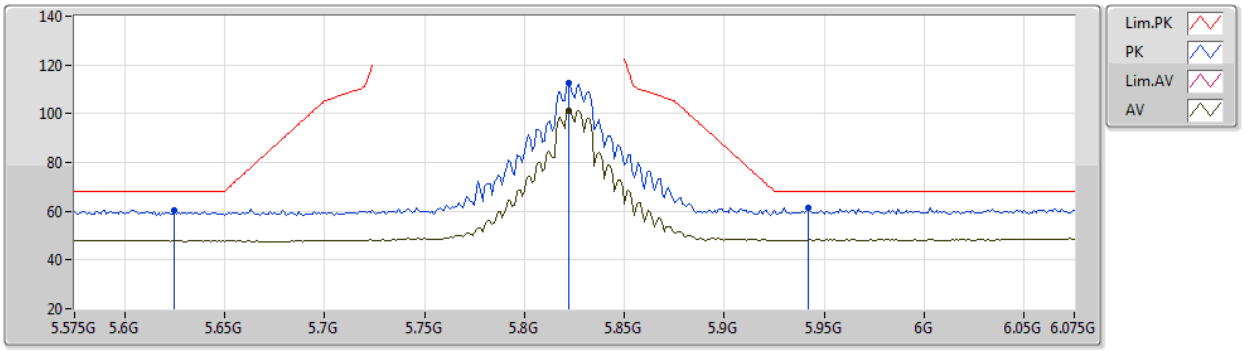
EUT Y_2TX
Setting 32
02-E-K-4-10

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	5.594G	61.45	68.20	-6.75	52.73	3	Vertical	0	2.95	-	33.90	6.29	31.47
PK	5.828G	123.09	Inf	-Inf	114.28	3	Vertical	0	2.95	-	33.88	6.39	31.46
AV	5.827G	112.36	Inf	-Inf	103.55	3	Vertical	0	2.95	-	33.88	6.39	31.46
PK	5.929G	66.56	68.20	-1.64	57.54	3	Vertical	0	2.95	-	34.13	6.34	31.45

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

16/09/2020



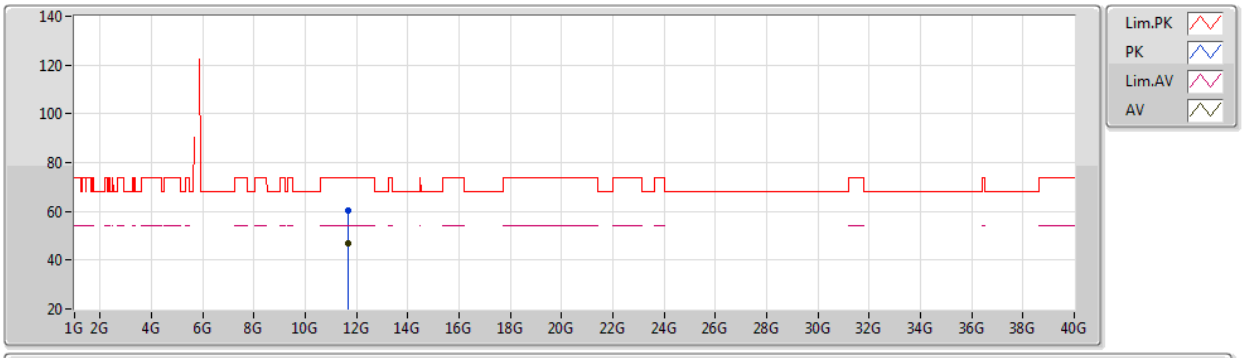
EUT Y_2TX
Setting 32
02-E-K-4-10

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	5.625G	60.36	68.20	-7.84	51.65	3	Horizontal	234	2.02	-	33.87	6.31	31.47
PK	5.822G	112.42	Inf	-Inf	103.62	3	Horizontal	234	2.02	-	33.87	6.39	31.46
AV	5.822G	101.17	Inf	-Inf	92.37	3	Horizontal	234	2.02	-	33.87	6.39	31.46
PK	5.942G	61.50	68.20	-6.70	52.48	3	Horizontal	234	2.02	-	34.14	6.33	31.45

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

16/09/2020



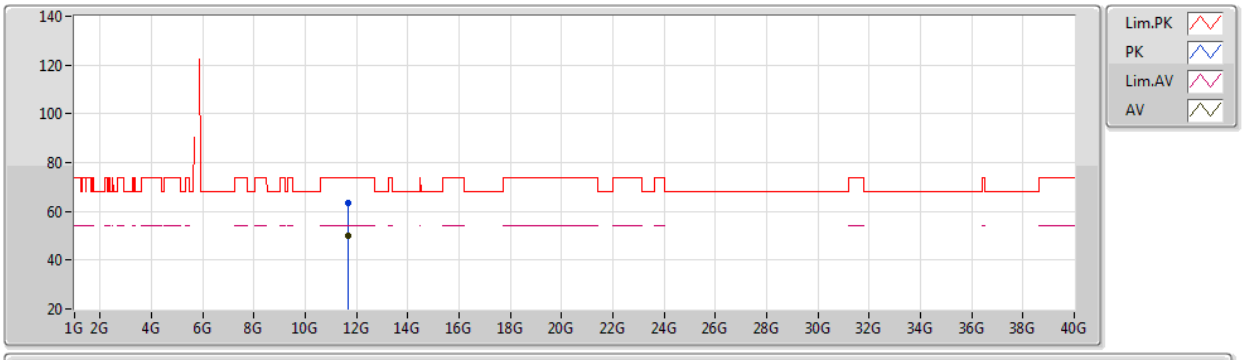
EUT Y_2TX
Setting 32
02-E-K-4

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	11.6491G	60.33	74.00	-13.67	45.29	3	Vertical	129	1.80	-	39.02	8.90	32.88
AV	11.6489G	46.98	54.00	-7.02	31.94	3	Vertical	129	1.80	-	39.02	8.90	32.88

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

16/09/2020



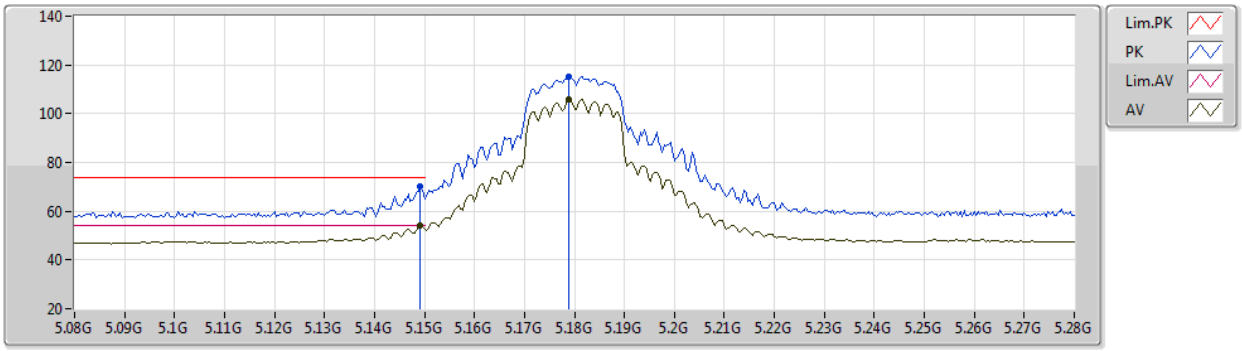
EUT Y_2TX
Setting 32
02-E-K-4

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	11.6489G	63.59	74.00	-10.41	48.55	3	Horizontal	50	1.58	-	39.02	8.90	32.88
AV	11.6493G	49.97	54.00	-4.03	34.93	3	Horizontal	50	1.58	-	39.02	8.90	32.88

802.11ac VHT20_Nss1,(MCS0)_2TX

16/09/2020

5180MHz_TX



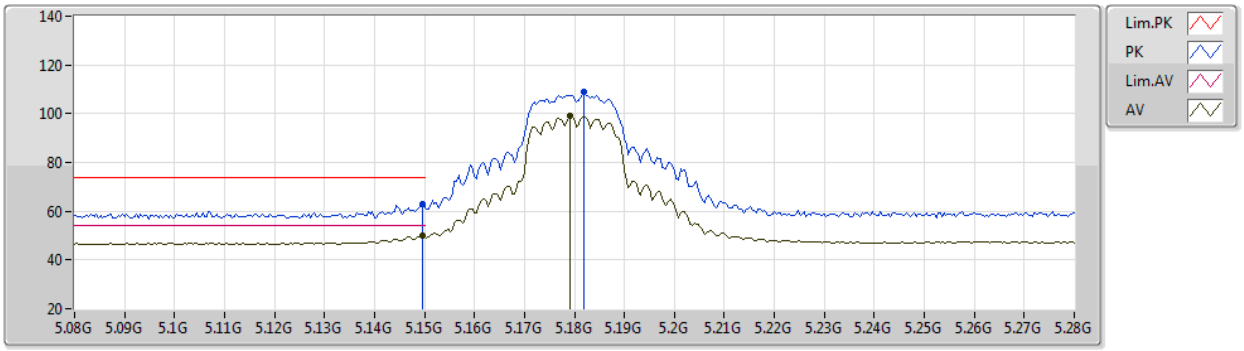
EUT Y_2TX
Setting 25
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1492G	70.17	74.00	-3.83	62.48	3	Vertical	309	2.62	-	33.45	5.97	31.73
AV	5.1492G	53.97	54.00	-0.03	46.28	3	Vertical	309	2.62	-	33.45	5.97	31.73
PK	5.1788G	115.17	Inf	-Inf	107.40	3	Vertical	309	2.62	-	33.48	5.99	31.70
AV	5.1788G	105.72	Inf	-Inf	97.95	3	Vertical	309	2.62	-	33.48	5.99	31.70

802.11ac VHT20_Nss1,(MCS0)_2TX

16/09/2020

5180MHz_TX



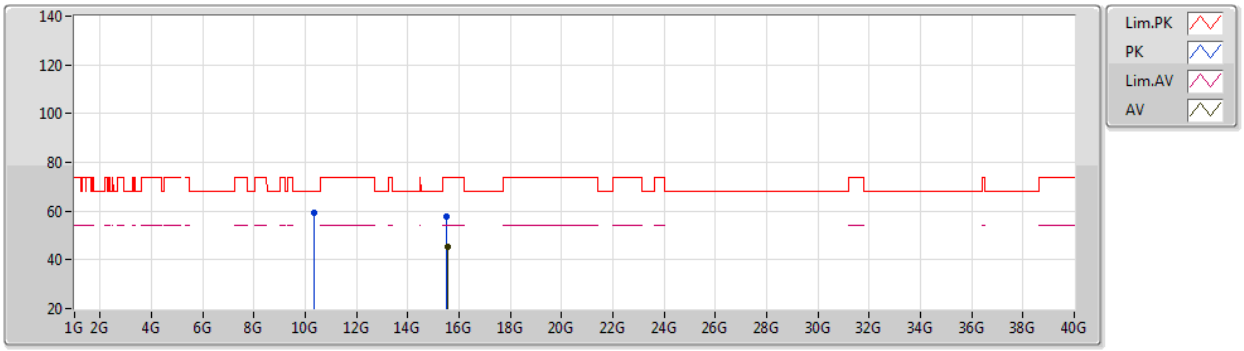
EUT Y_2TX
Setting 25
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	62.96	74.00	-11.04	55.27	3	Horizontal	234	1.84	-	33.45	5.97	31.73
AV	5.1496G	50.10	54.00	-3.90	42.41	3	Horizontal	234	1.84	-	33.45	5.97	31.73
PK	5.182G	108.73	Inf	-Inf	100.96	3	Horizontal	234	1.84	-	33.48	5.99	31.70
AV	5.1792G	98.96	Inf	-Inf	91.19	3	Horizontal	234	1.84	-	33.48	5.99	31.70

802.11ac VHT20_Nss1,(MCS0)_2TX

16/09/2020

5180MHz_TX



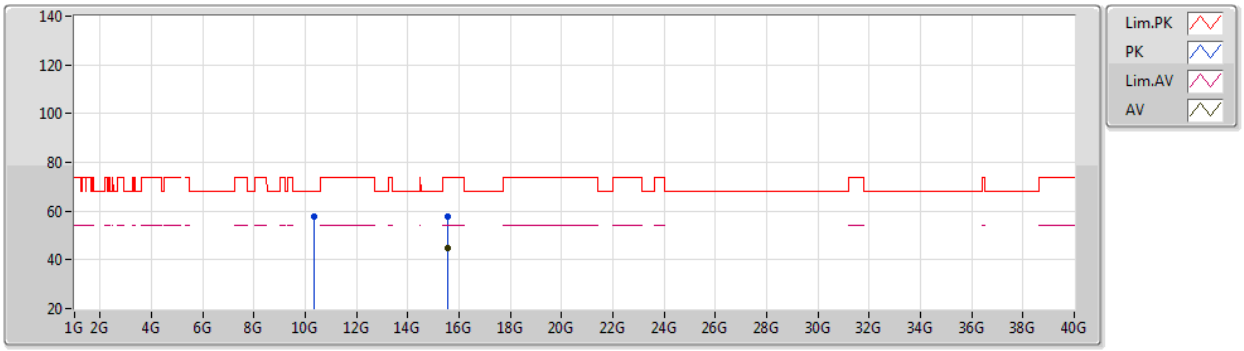
EUT Y_2TX
Setting 25
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.3638G	59.30	68.20	-8.90	44.49	3	Vertical	298	2.01	-	38.88	8.51	32.58
PK	15.5242G	57.78	74.00	-16.22	42.62	3	Vertical	328	1.27	-	38.78	9.24	32.86
AV	15.5636G	45.18	54.00	-8.82	30.11	3	Vertical	328	1.27	-	38.67	9.26	32.86

802.11ac VHT20_Nss1,(MCS0)_2TX

16/09/2020

5180MHz_TX



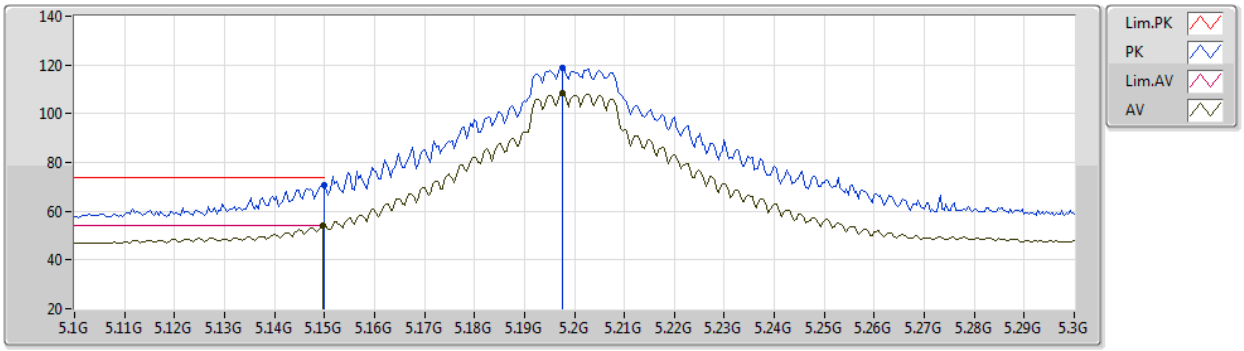
EUT Y_2TX
Setting 25
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.3579G	57.57	68.20	-10.63	42.75	3	Horizontal	349	2.74	-	38.89	8.51	32.58
PK	15.5458G	57.58	74.00	-16.42	42.47	3	Horizontal	346	1.24	-	38.72	9.25	32.86
AV	15.5538G	44.93	54.00	-9.07	29.85	3	Horizontal	346	1.24	-	38.69	9.25	32.86

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

16/09/2020



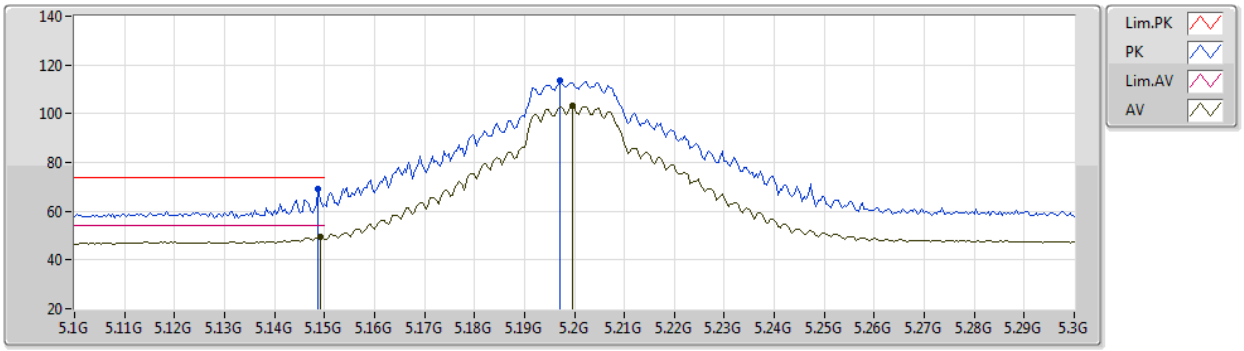
EUT Y_2TX
Setting 2E
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	70.93	74.00	-3.07	63.24	3	Vertical	192	1.80	-	33.45	5.97	31.73
AV	5.1496G	53.90	54.00	-0.10	46.21	3	Vertical	192	1.80	-	33.45	5.97	31.73
PK	5.1976G	119.05	Inf	-Inf	111.24	3	Vertical	192	1.80	-	33.50	6.00	31.69
AV	5.1976G	108.30	Inf	-Inf	100.49	3	Vertical	192	1.80	-	33.50	6.00	31.69

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

16/09/2020



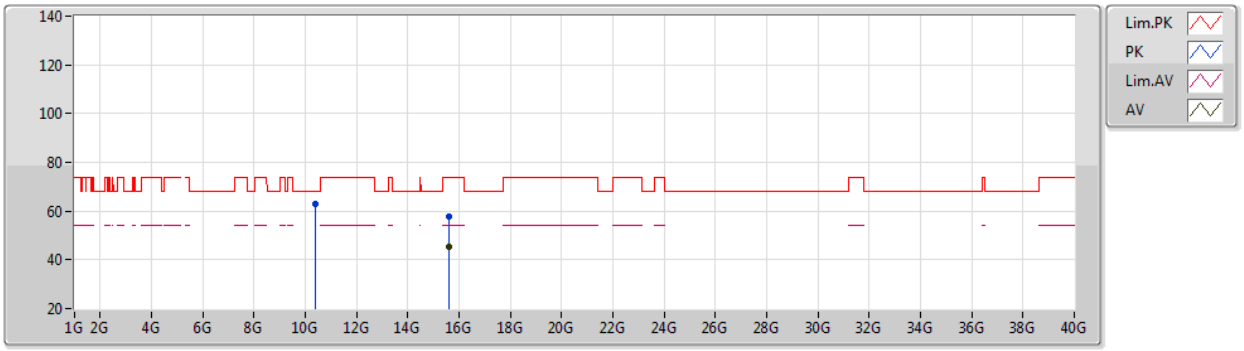
EUT Y_2TX
Setting 2E
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1488G	68.91	74.00	-5.09	61.22	3	Horizontal	235	1.95	-	33.45	5.97	31.73
AV	5.1492G	49.57	54.00	-4.43	41.88	3	Horizontal	235	1.95	-	33.45	5.97	31.73
PK	5.1972G	113.54	Inf	-Inf	105.73	3	Horizontal	235	1.95	-	33.50	6.00	31.69
AV	5.1996G	103.25	Inf	-Inf	95.44	3	Horizontal	235	1.95	-	33.50	6.00	31.69

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

16/09/2020



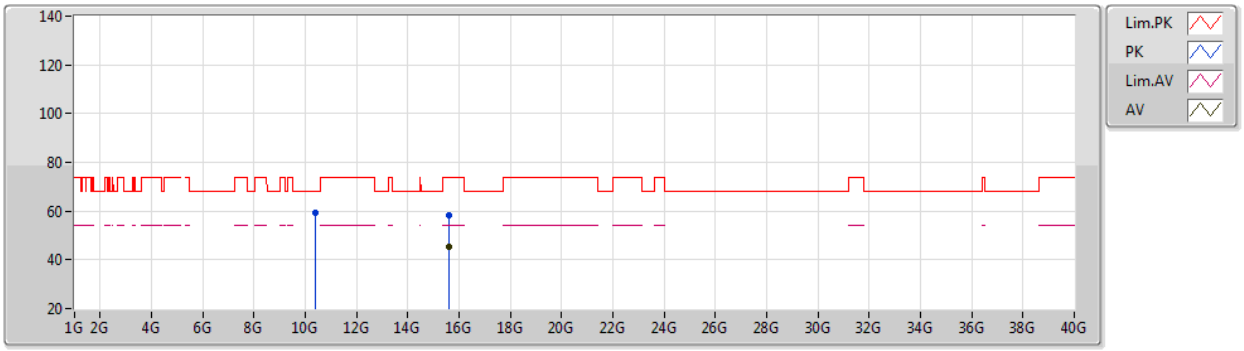
EUT Y_2TX
Setting 2E
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4005G	62.90	68.20	-5.30	48.11	3	Vertical	301	1.97	-	38.86	8.52	32.59
PK	15.5913G	58.00	74.00	-16.00	43.00	3	Vertical	201	2.86	-	38.59	9.27	32.86
AV	15.5964G	45.23	54.00	-8.77	30.25	3	Vertical	201	2.86	-	38.57	9.27	32.86

802.11ac VHT20_Nss1,(MCS0)_2TX

16/09/2020

5200MHz_TX



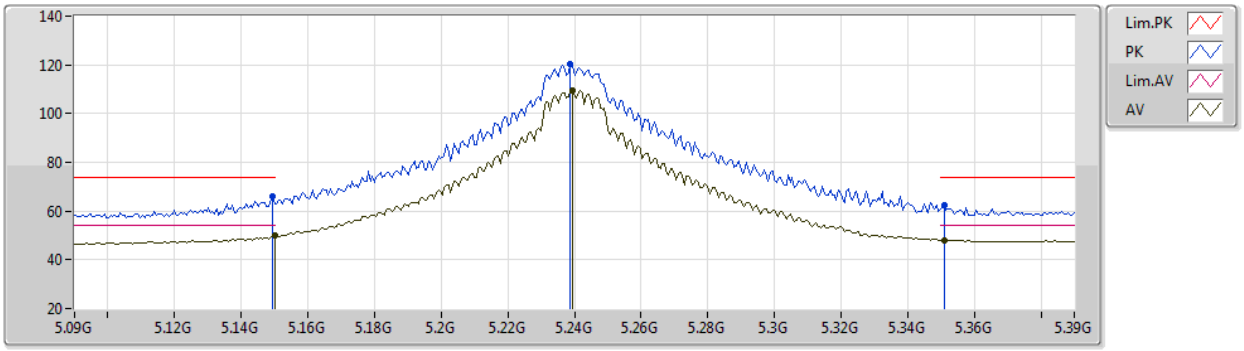
EUT Y_2TX
Setting 2E
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.3996G	59.19	68.20	-9.01	44.40	3	Horizontal	261	1.66	-	38.86	8.52	32.59
PK	15.5933G	58.08	74.00	-15.92	43.09	3	Horizontal	217	2.85	-	38.58	9.27	32.86
AV	15.5981G	45.35	54.00	-8.65	30.37	3	Horizontal	217	2.85	-	38.57	9.27	32.86

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

16/09/2020



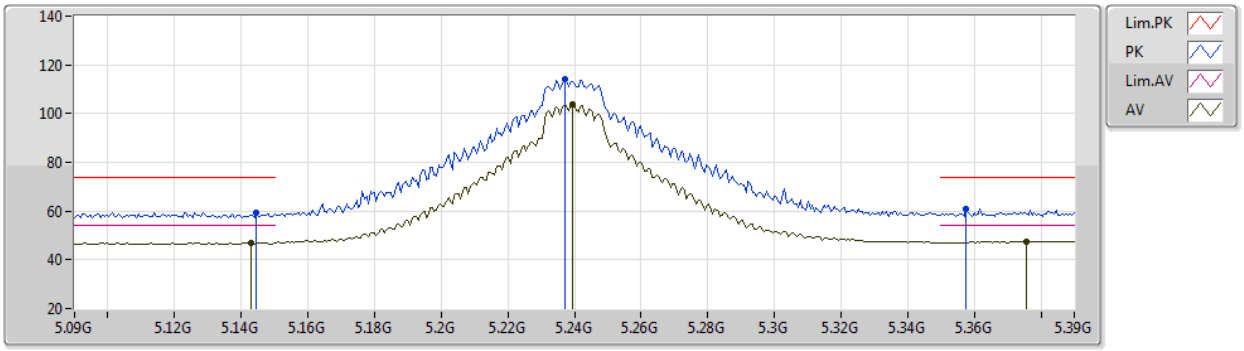
EUT Y_2TX
Setting 32
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1494G	65.85	74.00	-8.15	58.16	3	Vertical	137	1.99	-	33.45	5.97	31.73
AV	5.15G	49.86	54.00	-4.14	42.17	3	Vertical	137	1.99	-	33.45	5.97	31.73
PK	5.2388G	120.39	Inf	-Inf	112.45	3	Vertical	137	1.99	-	33.58	6.02	31.66
AV	5.2394G	109.71	Inf	-Inf	101.77	3	Vertical	137	1.99	-	33.58	6.02	31.66
PK	5.351G	62.56	74.00	-11.44	54.31	3	Vertical	137	1.99	-	33.75	6.08	31.58
AV	5.351G	48.11	54.00	-5.89	39.86	3	Vertical	137	1.99	-	33.75	6.08	31.58

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

16/09/2020



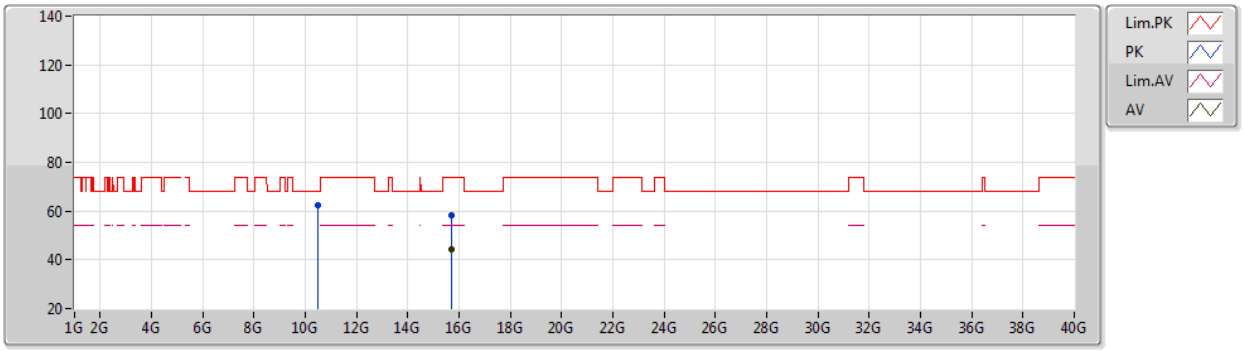
EUT Y_2TX
Setting 32
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1446G	59.56	74.00	-14.44	51.88	3	Horizontal	236	1.93	-	33.44	5.97	31.73
AV	5.1428G	46.91	54.00	-7.09	39.23	3	Horizontal	236	1.93	-	33.44	5.97	31.73
PK	5.237G	113.96	Inf	-Inf	106.03	3	Horizontal	236	1.93	-	33.57	6.02	31.66
AV	5.2394G	103.89	Inf	-Inf	95.95	3	Horizontal	236	1.93	-	33.58	6.02	31.66
PK	5.3576G	60.94	74.00	-13.06	52.68	3	Horizontal	236	1.93	-	33.76	6.08	31.58
AV	5.3756G	47.60	54.00	-6.40	39.30	3	Horizontal	236	1.93	-	33.78	6.09	31.57

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

16/09/2020



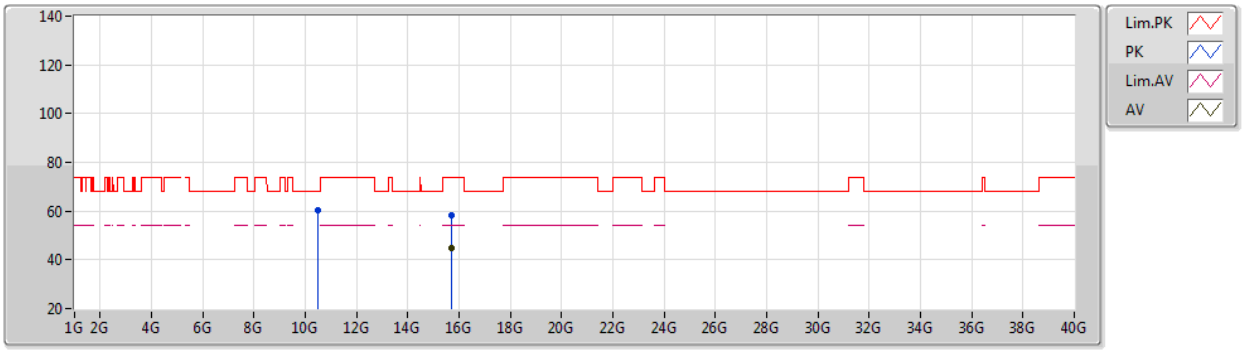
EUT Y_2TX
Setting 32
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4782G	62.37	68.20	-5.83	47.62	3	Vertical	300	2.07	-	38.81	8.55	32.61
PK	15.71706G	58.38	74.00	-15.62	43.72	3	Vertical	124	2.11	-	38.22	9.31	32.87
AV	15.72148G	44.36	54.00	-9.64	29.71	3	Vertical	124	2.11	-	38.21	9.31	32.87

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

16/09/2020



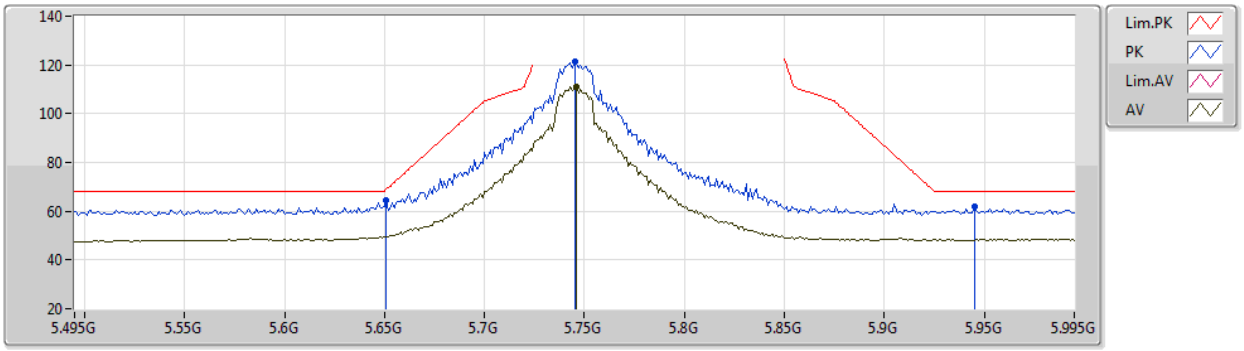
EUT Y_2TX
Setting 32
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.487G	60.26	68.20	-7.94	45.52	3	Horizontal	347	1.92	-	38.81	8.55	32.62
PK	15.7242G	58.23	74.00	-15.77	43.59	3	Horizontal	231	2.70	-	38.20	9.31	32.87
AV	15.7255G	44.90	54.00	-9.10	30.26	3	Horizontal	231	2.70	-	38.20	9.31	32.87

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

16/09/2020



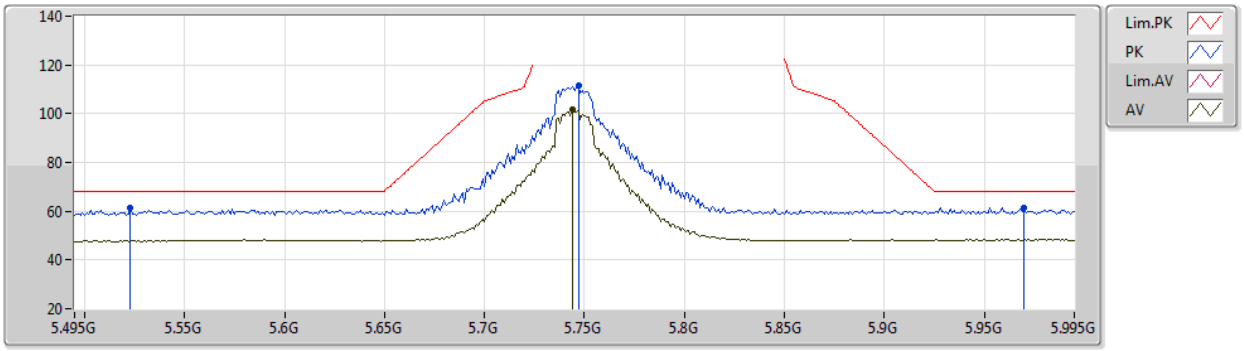
EUT Y_2TX
Setting 32
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.651G	64.70	68.94	-4.24	55.98	3	Vertical	68	1.71	-	33.85	6.33	31.46
PK	5.745G	121.20	Inf	-Inf	112.49	3	Vertical	68	1.71	-	33.80	6.37	31.46
AV	5.746G	110.87	Inf	-Inf	102.16	3	Vertical	68	1.71	-	33.80	6.37	31.46
PK	5.945G	61.64	68.20	-6.56	52.61	3	Vertical	68	1.71	-	34.15	6.33	31.45

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

16/09/2020



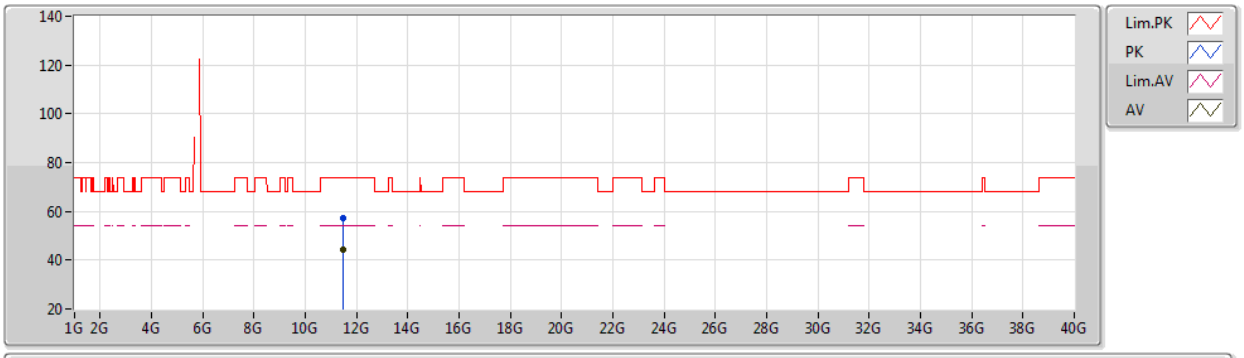
EUT Y_2TX
Setting 32
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.523G	61.30	68.20	-6.90	52.64	3	Horizontal	138	1.73	-	33.90	6.23	31.47
PK	5.747G	111.33	Inf	-Inf	102.62	3	Horizontal	138	1.73	-	33.80	6.37	31.46
AV	5.744G	101.50	Inf	-Inf	92.79	3	Horizontal	138	1.73	-	33.80	6.37	31.46
PK	5.97G	61.52	68.20	-6.68	52.49	3	Horizontal	138	1.73	-	34.17	6.31	31.45

802.11ac VHT20_Nss1,(MCS0)_2TX

16/09/2020

5745MHz_TX



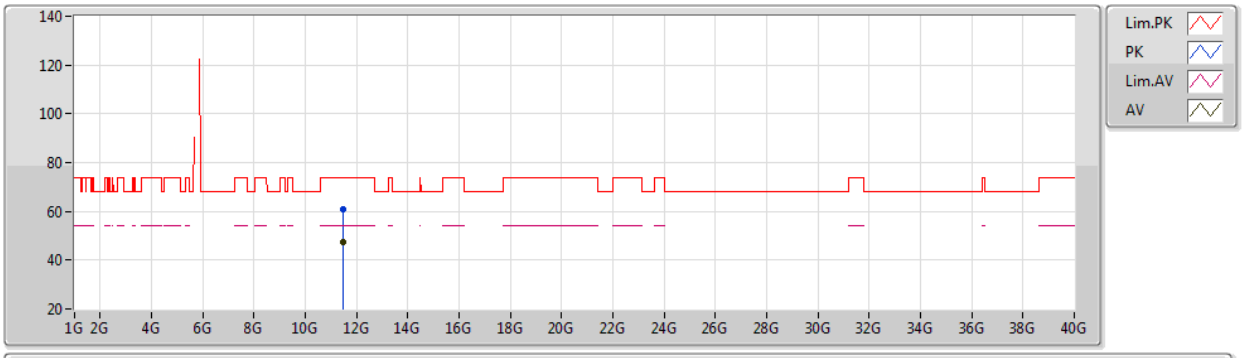
EUT Y_2TX
Setting 32
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4846G	57.14	74.00	-16.86	42.25	3	Vertical	123	2.06	-	38.89	8.85	32.85
AV	11.4888G	44.13	54.00	-9.87	29.24	3	Vertical	123	2.06	-	38.89	8.85	32.85

802.11ac VHT20_Nss1,(MCS0)_2TX

16/09/2020

5745MHz_TX



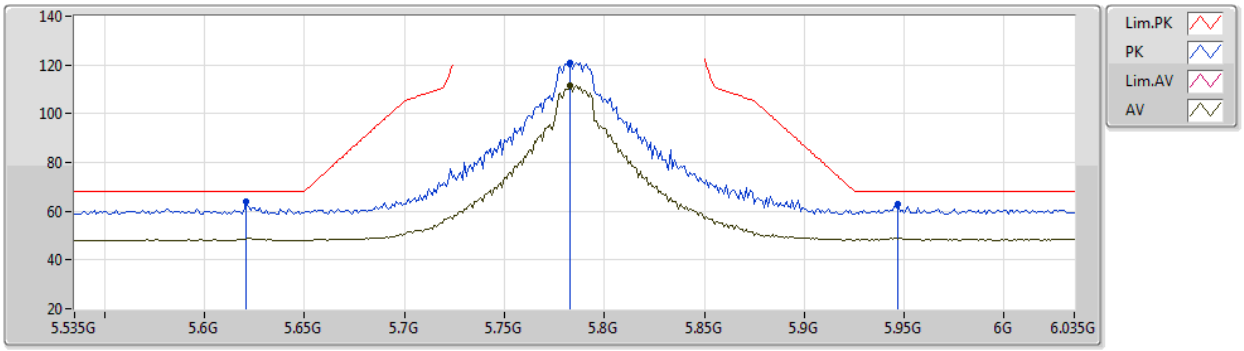
EUT Y_2TX
Setting 32
02-E-K-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4949G	60.89	74.00	-13.11	45.99	3	Horizontal	60	1.69	-	38.90	8.85	32.85
AV	11.4894G	47.40	54.00	-6.60	32.51	3	Horizontal	60	1.69	-	38.89	8.85	32.85

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

16/09/2020



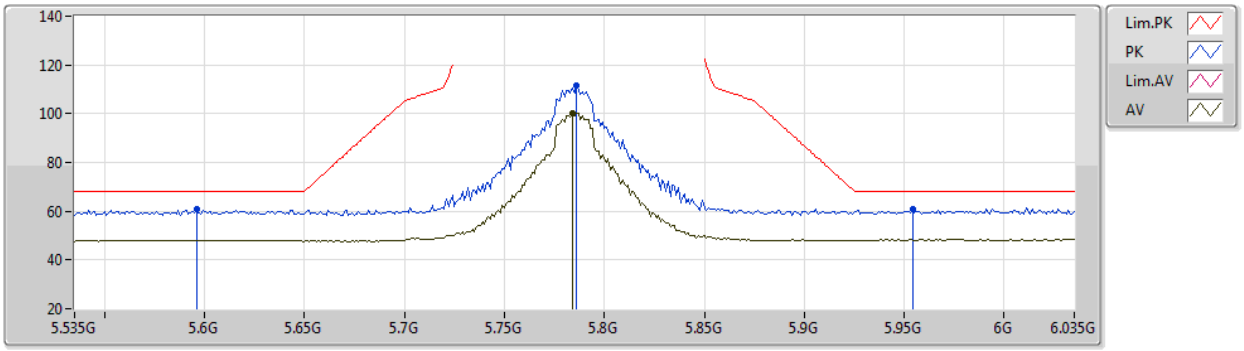
EUT Y_2TX
Setting 32
02-E-K-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.621G	63.82	68.20	-4.38	55.10	3	Vertical	269	1.93	-	33.88	6.31	31.47
PK	5.783G	120.95	Inf	-Inf	112.22	3	Vertical	269	1.93	-	33.80	6.39	31.46
AV	5.783G	111.55	Inf	-Inf	102.82	3	Vertical	269	1.93	-	33.80	6.39	31.46
PK	5.947G	63.02	68.20	-5.18	53.99	3	Vertical	269	1.93	-	34.15	6.33	31.45

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

16/09/2020



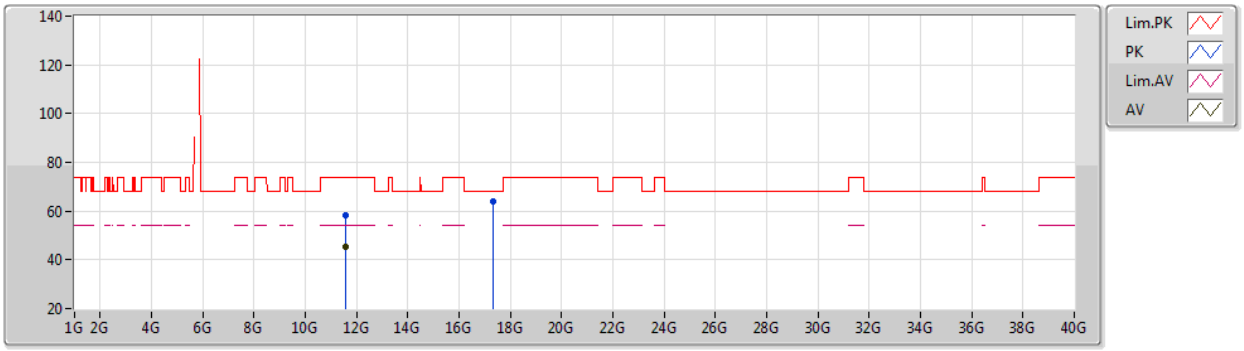
EUT Y_2TX
Setting 32
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.596G	60.97	68.20	-7.23	52.24	3	Horizontal	137	1.78	-	33.90	6.30	31.47
PK	5.786G	111.43	Inf	-Inf	102.70	3	Horizontal	137	1.78	-	33.80	6.39	31.46
AV	5.784G	100.37	Inf	-Inf	91.64	3	Horizontal	137	1.78	-	33.80	6.39	31.46
PK	5.954G	60.87	68.20	-7.33	51.85	3	Horizontal	137	1.78	-	34.15	6.32	31.45

802.11ac VHT20_Nss1,(MCS0)_2TX

16/09/2020

5785MHz_TX



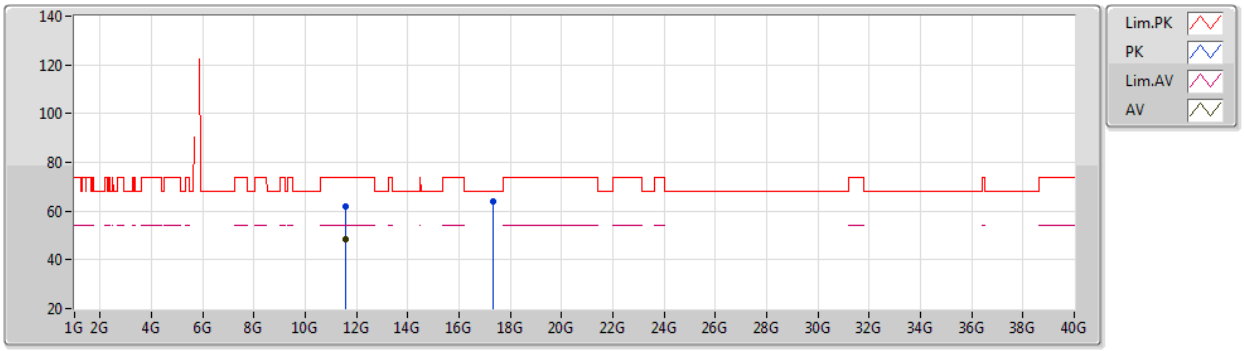
EUT Y_2TX
Setting 32
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5748G	58.29	74.00	-15.71	43.31	3	Vertical	130	1.76	-	38.96	8.88	32.86
AV	11.5718G	45.58	54.00	-8.42	30.60	3	Vertical	130	1.76	-	38.96	8.88	32.86
PK	17.3499G	63.99	68.20	-4.21	43.67	3	Vertical	330	1.80	-	43.09	10.22	32.99

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

16/09/2020



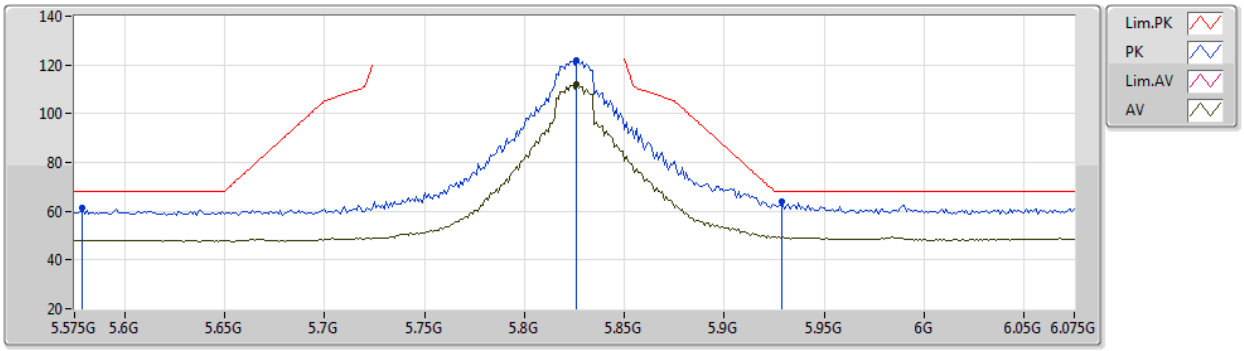
EUT Y_2TX
Setting 32
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5739G	61.81	74.00	-12.19	46.83	3	Horizontal	65	1.51	-	38.96	8.88	32.86
AV	11.5692G	48.55	54.00	-5.45	33.57	3	Horizontal	65	1.51	-	38.96	8.88	32.86
PK	17.3443G	63.81	68.20	-4.39	43.53	3	Horizontal	90	1.80	-	43.06	10.21	32.99

802.11ac VHT20_Nss1,(MCS0)_2TX

16/09/2020

5825MHz_TX



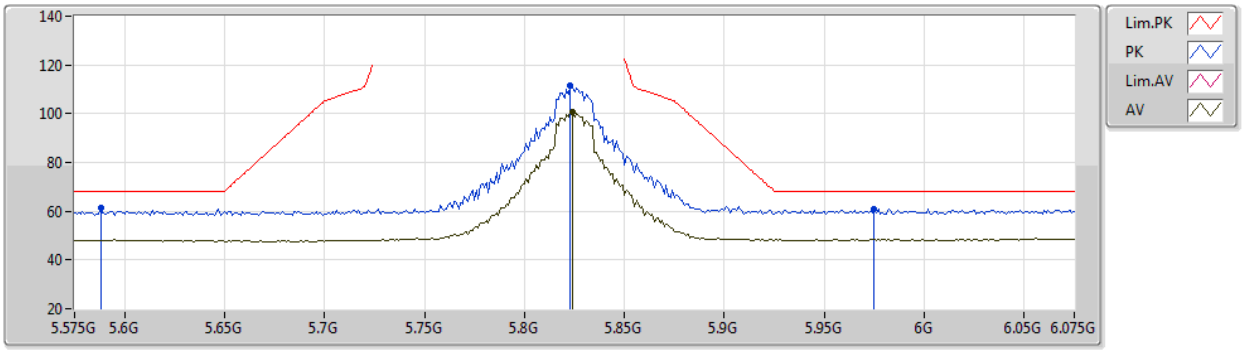
EUT Y_2TX
Setting 32
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.579G	61.21	68.20	-6.99	52.50	3	Vertical	5	2.94	-	33.90	6.28	31.47
PK	5.826G	121.96	Inf	-Inf	113.15	3	Vertical	5	2.94	-	33.88	6.39	31.46
AV	5.826G	111.87	Inf	-Inf	103.06	3	Vertical	5	2.94	-	33.88	6.39	31.46
PK	5.929G	63.96	68.20	-4.24	54.94	3	Vertical	5	2.94	-	34.13	6.34	31.45

802.11ac VHT20_Nss1,(MCS0)_2TX

16/09/2020

5825MHz_TX



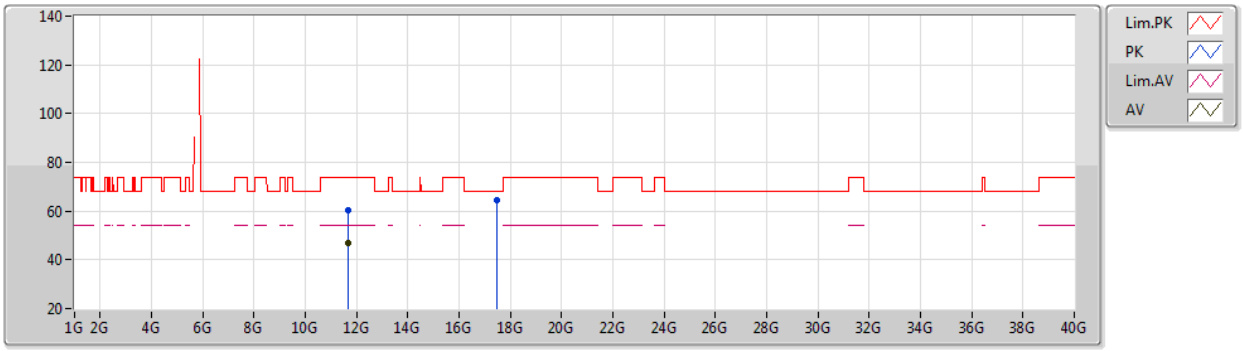
EUT Y_2TX
Setting 32
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.588G	61.14	68.20	-7.06	52.42	3	Horizontal	234	2.03	-	33.90	6.29	31.47
PK	5.823G	111.53	Inf	-Inf	102.73	3	Horizontal	234	2.03	-	33.87	6.39	31.46
AV	5.824G	100.62	Inf	-Inf	91.82	3	Horizontal	234	2.03	-	33.87	6.39	31.46
PK	5.975G	60.81	68.20	-7.39	51.77	3	Horizontal	234	2.03	-	34.18	6.31	31.45

802.11ac VHT20_Nss1,(MCS0)_2TX

16/09/2020

5825MHz_TX



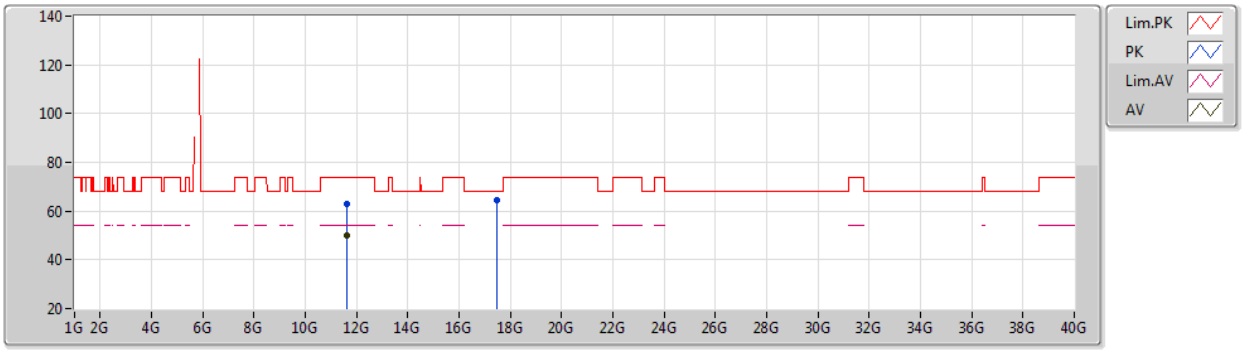
EUT Y_2TX
Setting 32
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6511G	60.12	74.00	-13.88	45.08	3	Vertical	132	1.80	-	39.02	8.90	32.88
AV	11.6516G	47.13	54.00	-6.87	32.09	3	Vertical	132	1.80	-	39.02	8.90	32.88
PK	17.4817G	64.29	68.20	-3.91	43.21	3	Vertical	313	2.47	-	43.80	10.29	33.01

802.11ac VHT20_Nss1,(MCS0)_2TX

16/09/2020

5825MHz_TX



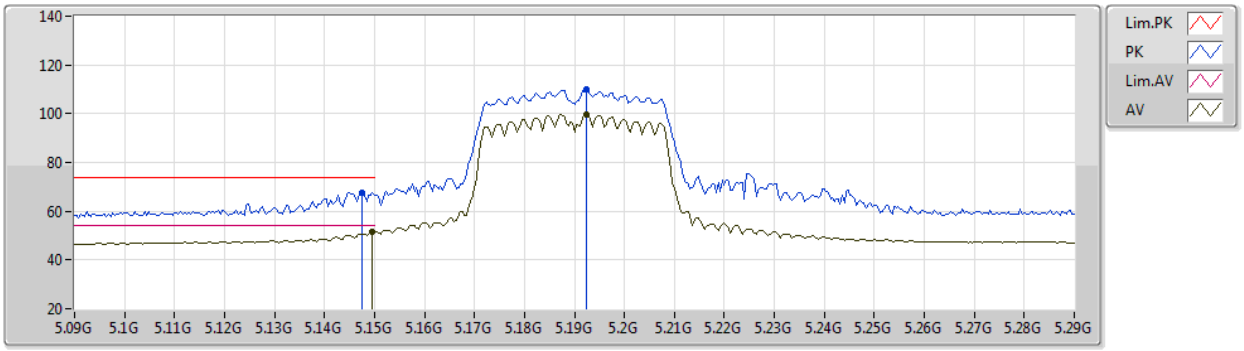
EUT Y_2TX
Setting 32
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6473G	62.79	74.00	-11.21	47.75	3	Horizontal	64	1.48	-	39.02	8.90	32.88
AV	11.6473G	49.79	54.00	-4.21	34.75	3	Horizontal	64	1.48	-	39.02	8.90	32.88
PK	17.47418G	64.51	68.20	-3.69	43.47	3	Horizontal	58	1.80	-	43.76	10.29	33.01

802.11ac VHT40_Nss1,(MCS0)_2TX

16/09/2020

5190MHz_TX



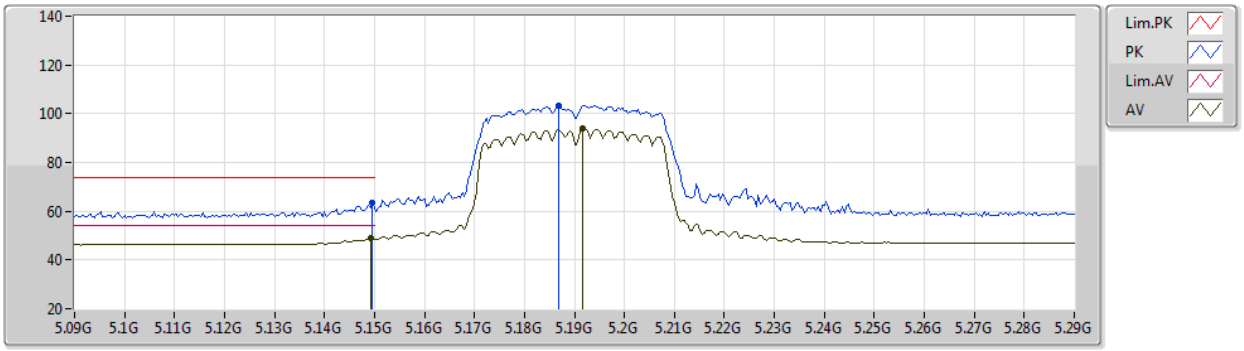
EUT Y_2TX
Setting 1F
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1476G	67.67	74.00	-6.33	59.98	3	Vertical	191	1.66	-	33.45	5.97	31.73
AV	5.1496G	51.66	54.00	-2.34	43.97	3	Vertical	191	1.66	-	33.45	5.97	31.73
PK	5.1924G	109.95	Inf	-Inf	102.16	3	Vertical	191	1.66	-	33.49	6.00	31.70
AV	5.1924G	99.89	Inf	-Inf	92.10	3	Vertical	191	1.66	-	33.49	6.00	31.70

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

16/09/2020



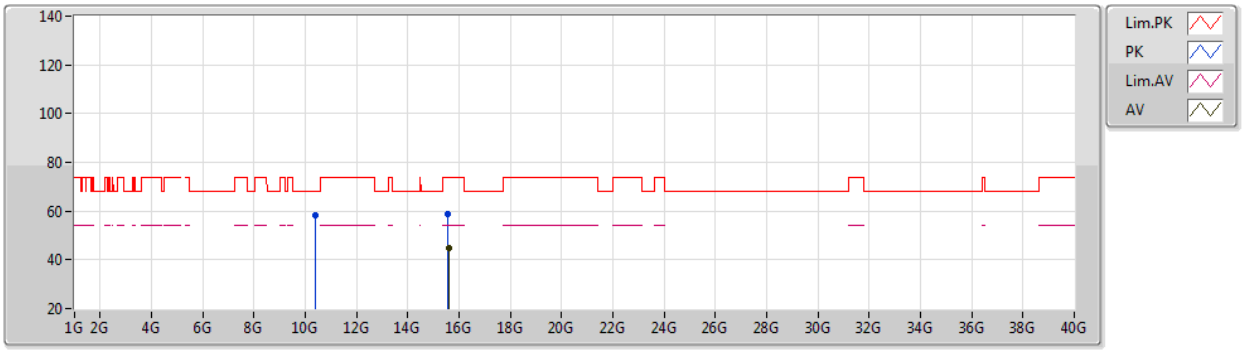
EUT Y_2TX
Setting 1F
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	63.48	74.00	-10.52	55.79	3	Horizontal	235	1.83	-	33.45	5.97	31.73
AV	5.1492G	48.85	54.00	-5.15	41.16	3	Horizontal	235	1.83	-	33.45	5.97	31.73
PK	5.1868G	103.51	Inf	-Inf	95.73	3	Horizontal	235	1.83	-	33.49	5.99	31.70
AV	5.1916G	93.78	Inf	-Inf	85.99	3	Horizontal	235	1.83	-	33.49	6.00	31.70

802.11ac VHT40_Nss1,(MCS0)_2TX

16/09/2020

5190MHz_TX



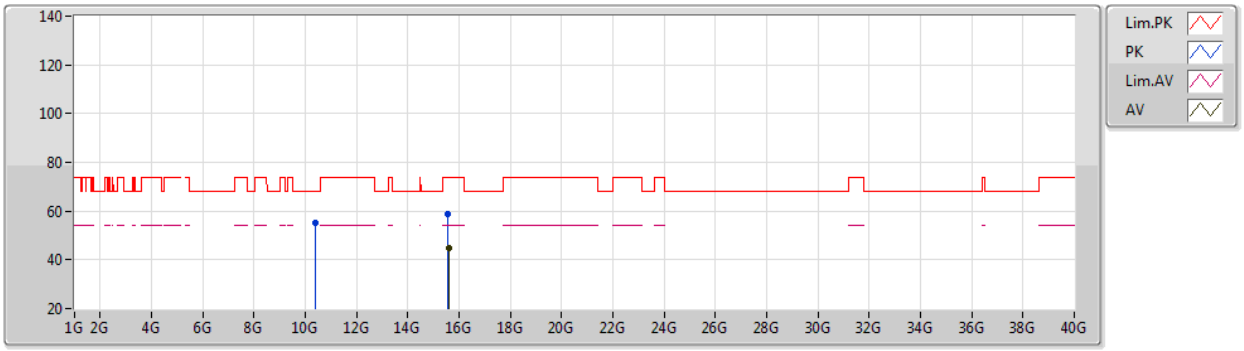
EUT Y_2TX
Setting 1F
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.3789G	58.26	68.20	-9.94	43.46	3	Vertical	299	1.92	-	38.87	8.52	32.59
PK	15.5642G	58.88	74.00	-15.12	43.82	3	Vertical	193	1.38	-	38.66	9.26	32.86
AV	15.5946G	45.03	54.00	-8.97	30.04	3	Vertical	193	1.38	-	38.58	9.27	32.86

802.11ac VHT40_Nss1,(MCS0)_2TX

16/09/2020

5190MHz_TX



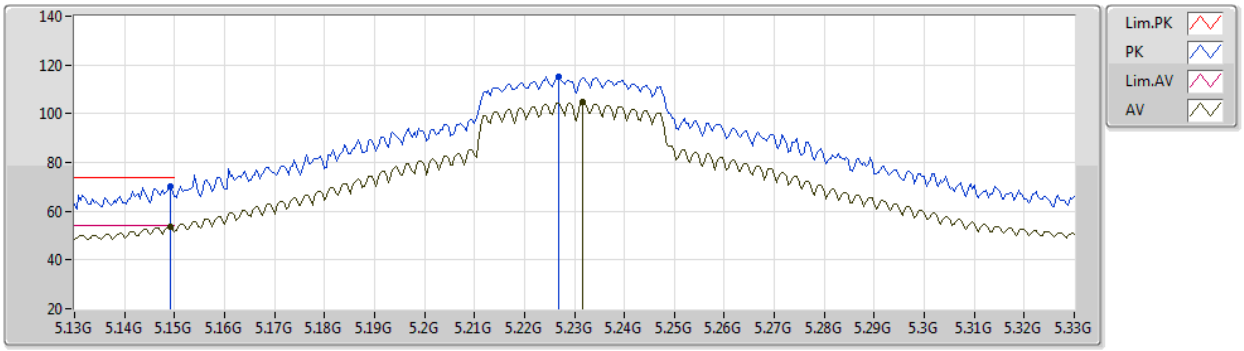
EUT Y_2TX
Setting 1F
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.3788G	55.13	68.20	-13.07	40.33	3	Horizontal	264	1.80	-	38.87	8.52	32.59
PK	15.5546G	58.87	74.00	-15.13	43.79	3	Horizontal	356	1.30	-	38.69	9.25	32.86
AV	15.5825G	44.88	54.00	-9.12	29.87	3	Horizontal	356	1.30	-	38.61	9.26	32.86

802.11ac VHT40_Nss1,(MCS0)_2TX

16/09/2020

5230MHz_TX



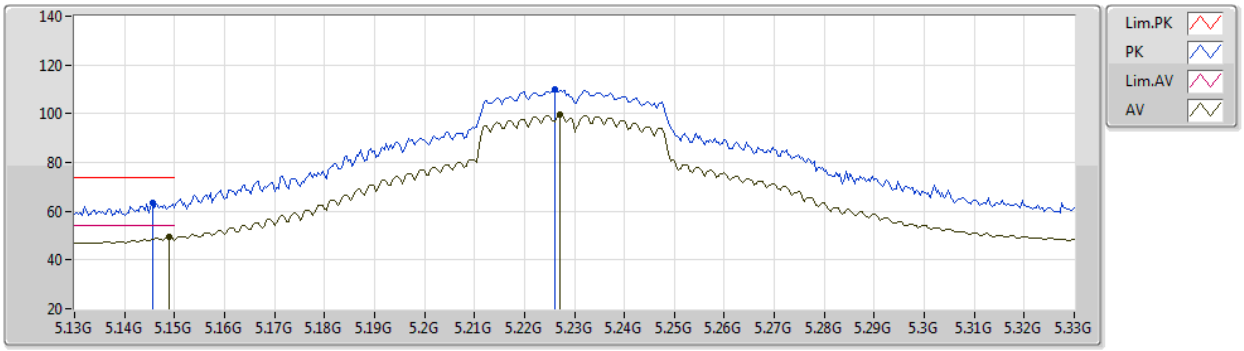
EUT Y_2TX
Setting 2A
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1492G	69.92	74.00	-4.08	62.23	3	Vertical	141	1.80	-	33.45	5.97	31.73
AV	5.1492G	53.57	54.00	-0.43	45.88	3	Vertical	141	1.80	-	33.45	5.97	31.73
PK	5.2268G	115.21	Inf	-Inf	107.32	3	Vertical	141	1.80	-	33.55	6.01	31.67
AV	5.2316G	104.63	Inf	-Inf	96.72	3	Vertical	141	1.80	-	33.56	6.02	31.67

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

16/09/2020



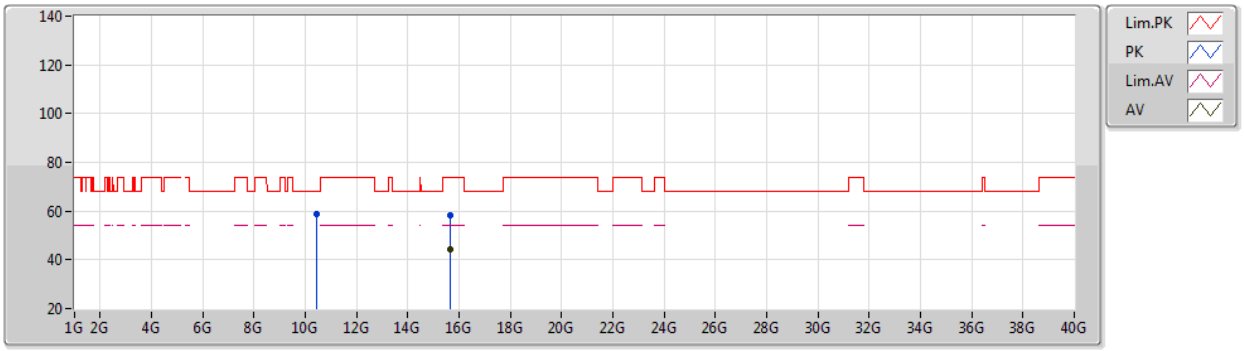
EUT Y_2TX
Setting 2A
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1456G	63.20	74.00	-10.80	55.51	3	Horizontal	237	1.94	-	33.45	5.97	31.73
AV	5.1488G	49.34	54.00	-4.66	41.65	3	Horizontal	237	1.94	-	33.45	5.97	31.73
PK	5.226G	109.79	Inf	-Inf	101.90	3	Horizontal	237	1.94	-	33.55	6.01	31.67
AV	5.2272G	99.60	Inf	-Inf	91.71	3	Horizontal	237	1.94	-	33.55	6.01	31.67

802.11ac VHT40_Nss1,(MCS0)_2TX

16/09/2020

5230MHz_TX



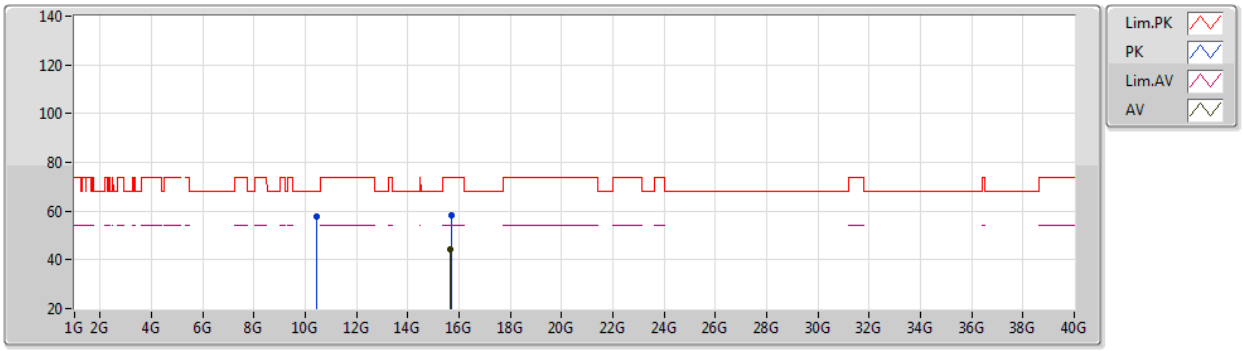
EUT Y_2TX
Setting 2A
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4586G	59.05	68.20	-9.15	44.30	3	Vertical	297	1.99	-	38.82	8.54	32.61
PK	15.677G	58.23	74.00	-15.77	43.46	3	Vertical	47	2.25	-	38.34	9.29	32.86
AV	15.6651G	44.47	54.00	-9.53	29.67	3	Vertical	47	2.25	-	38.37	9.29	32.86

802.11ac VHT40_Nss1,(MCS0)_2TX

16/09/2020

5230MHz_TX



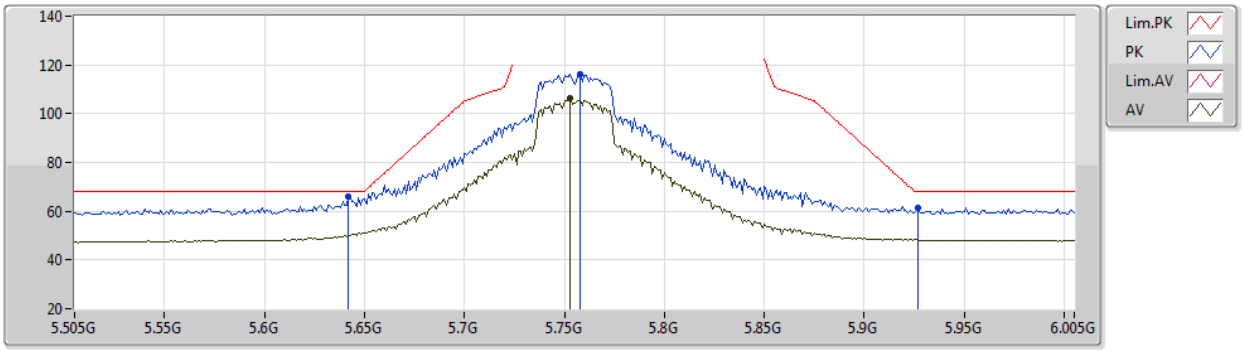
EUT Y_2TX
Setting 2A
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4587G	57.71	68.20	-10.49	42.96	3	Horizontal	344	1.80	-	38.82	8.54	32.61
PK	15.7023G	58.15	74.00	-15.85	43.46	3	Horizontal	329	2.44	-	38.26	9.30	32.87
AV	15.6659G	44.36	54.00	-9.64	29.56	3	Horizontal	329	2.44	-	38.37	9.29	32.86

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

16/09/2020



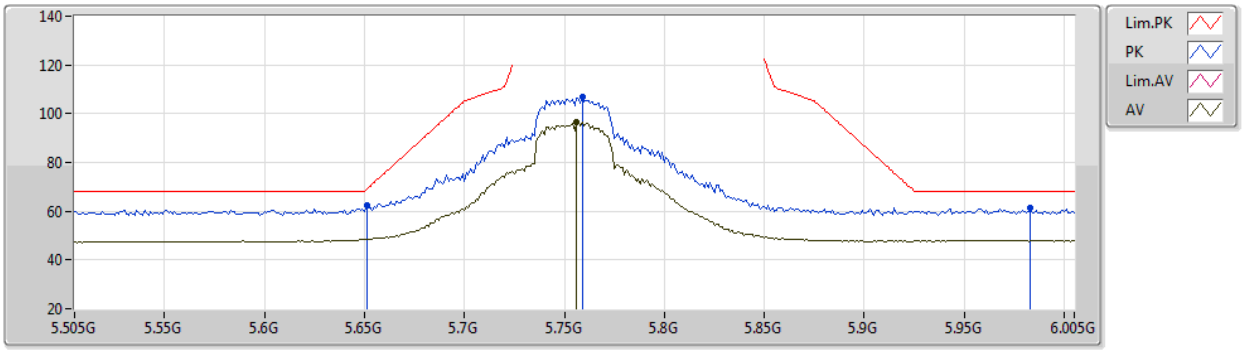
EUT Y_2TX
Setting 2B
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.642G	66.08	68.20	-2.12	57.37	3	Vertical	72	1.79	-	33.86	6.32	31.47
PK	5.758G	116.13	Inf	-Inf	107.41	3	Vertical	72	1.79	-	33.80	6.38	31.46
AV	5.753G	106.15	Inf	-Inf	97.43	3	Vertical	72	1.79	-	33.80	6.38	31.46
PK	5.927G	61.34	68.20	-6.86	52.32	3	Vertical	72	1.79	-	34.13	6.34	31.45

802.11ac VHT40_Nss1,(MCS0)_2TX

16/09/2020

5755MHz_TX



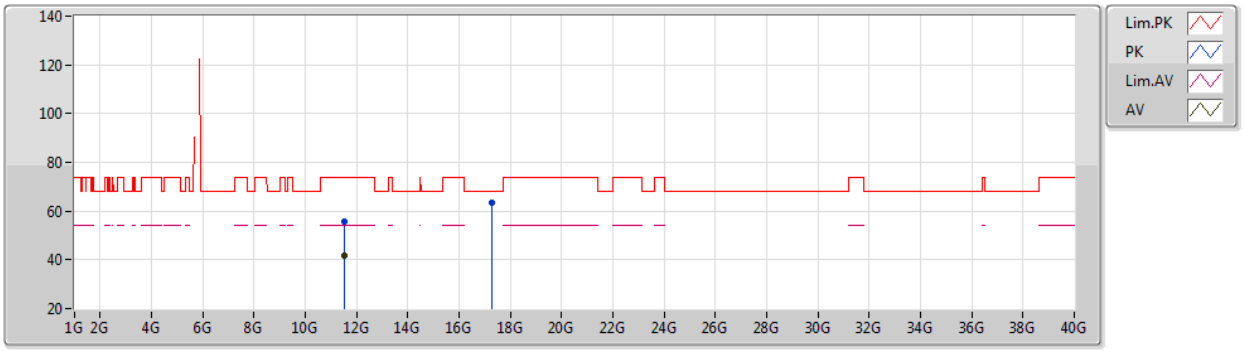
EUT Y_2TX
Setting 2B
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.651G	62.25	68.94	-6.69	53.53	3	Horizontal	140	1.83	-	33.85	6.33	31.46
PK	5.759G	106.74	Inf	-Inf	98.02	3	Horizontal	140	1.83	-	33.80	6.38	31.46
AV	5.756G	96.46	Inf	-Inf	87.74	3	Horizontal	140	1.83	-	33.80	6.38	31.46
PK	5.983G	61.56	68.20	-6.64	52.52	3	Horizontal	140	1.83	-	34.18	6.31	31.45

802.11ac VHT40_Nss1,(MCS0)_2TX

16/09/2020

5755MHz_TX



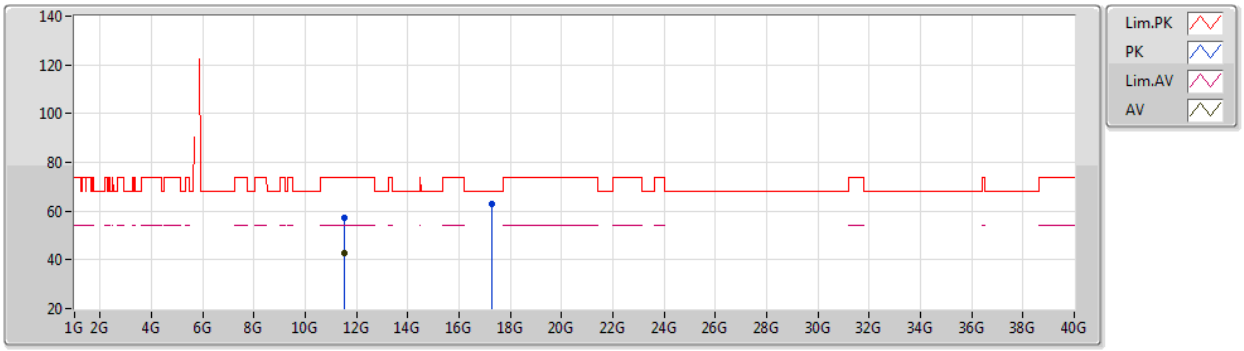
EUT Y_2TX
Setting 2B
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5121G	55.86	74.00	-18.14	40.94	3	Vertical	129	1.80	-	38.91	8.86	32.85
AV	11.5113G	41.90	54.00	-12.10	26.98	3	Vertical	129	1.80	-	38.91	8.86	32.85
PK	17.2724G	63.43	68.20	-4.77	43.58	3	Vertical	181	1.00	-	42.67	10.17	32.99

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

16/09/2020



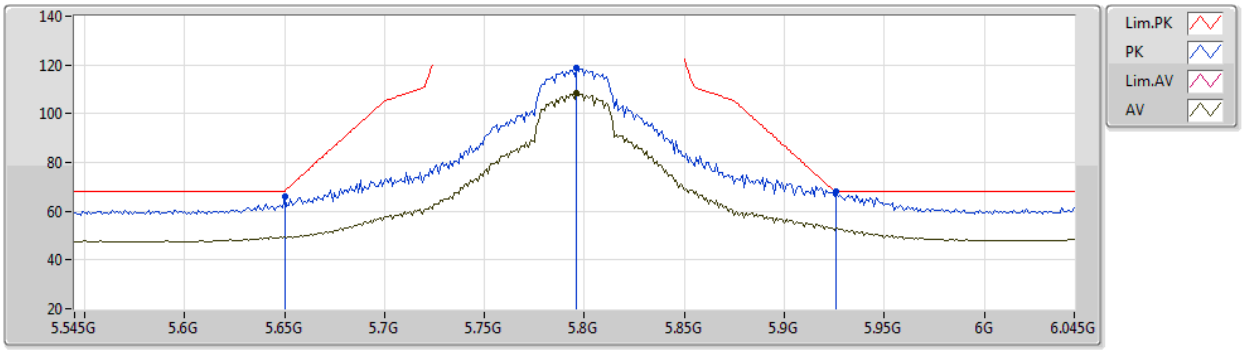
EUT Y_2TX
Setting 2B
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5142G	57.02	74.00	-16.98	42.10	3	Horizontal	68	1.42	-	38.91	8.86	32.85
AV	11.519G	42.58	54.00	-11.42	27.65	3	Horizontal	68	1.42	-	38.92	8.86	32.85
PK	17.2822G	63.03	68.20	-5.17	43.12	3	Horizontal	93	1.87	-	42.72	10.18	32.99

802.11ac VHT40_Nss1,(MCS0)_2TX

16/09/2020

5795MHz_TX



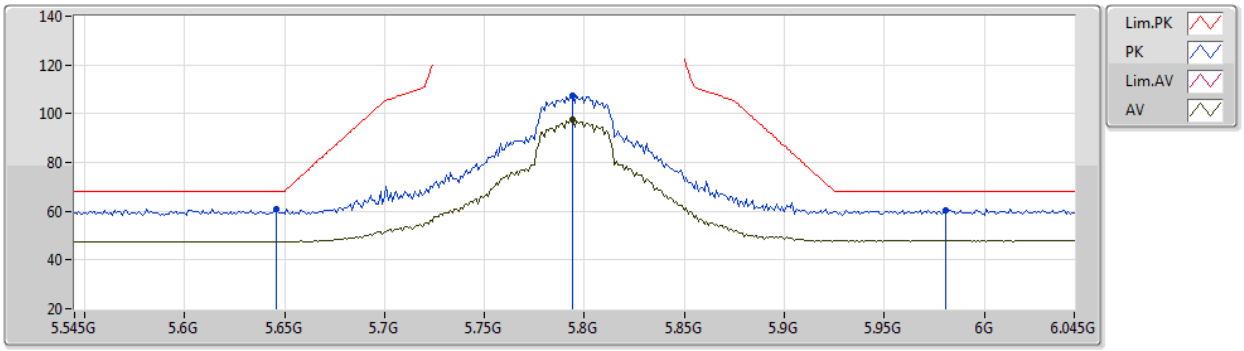
EUT Y_2TX
Setting 2C
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.65G	65.95	68.20	-2.25	57.24	3	Vertical	0	2.97	-	33.85	6.32	31.46
PK	5.796G	118.57	Inf	-Inf	109.83	3	Vertical	0	2.97	-	33.80	6.40	31.46
AV	5.796G	108.26	Inf	-Inf	99.52	3	Vertical	0	2.97	-	33.80	6.40	31.46
PK	5.926G	68.03	68.20	-0.17	59.01	3	Vertical	0	2.97	-	34.13	6.34	31.45

802.11ac VHT40_Nss1,(MCS0)_2TX

16/09/2020

5795MHz_TX



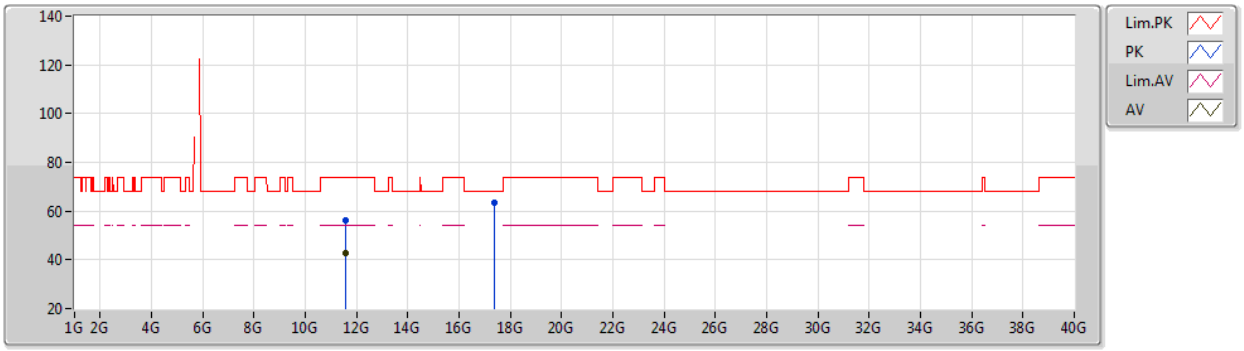
EUT Y_2TX
Setting 2C
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.646G	60.98	68.20	-7.22	52.28	3	Horizontal	231	1.93	-	33.85	6.32	31.47
PK	5.794G	107.44	Inf	-Inf	98.70	3	Horizontal	231	1.93	-	33.80	6.40	31.46
AV	5.794G	97.34	Inf	-Inf	88.60	3	Horizontal	231	1.93	-	33.80	6.40	31.46
PK	5.981G	60.47	68.20	-7.73	51.43	3	Horizontal	231	1.93	-	34.18	6.31	31.45

802.11ac VHT40_Nss1,(MCS0)_2TX

16/09/2020

5795MHz_TX



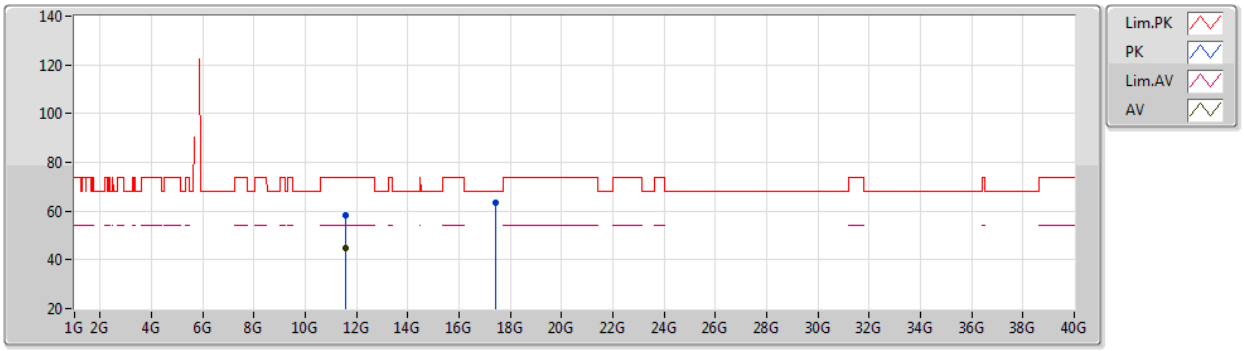
EUT Y_2TX
Setting 2C
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5937G	56.42	74.00	-17.58	41.44	3	Vertical	130	1.89	-	38.97	8.88	32.87
AV	11.5884G	42.84	54.00	-11.16	27.86	3	Vertical	130	1.89	-	38.97	8.88	32.87
PK	17.3979G	63.62	68.20	-4.58	43.03	3	Vertical	119	1.80	-	43.35	10.24	33.00

802.11ac VHT40_Nss1,(MCS0)_2TX

16/09/2020

5795MHz_TX



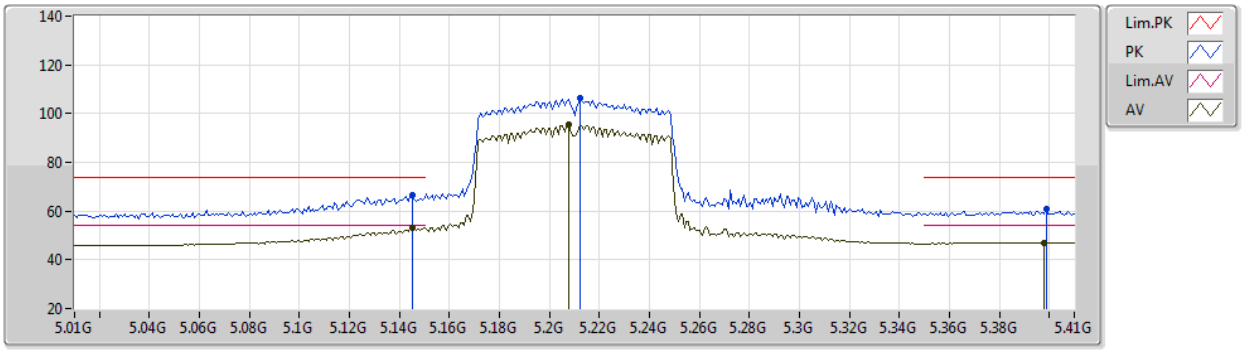
EUT Y_2TX
Setting 2C
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5922G	58.47	74.00	-15.53	43.49	3	Horizontal	56	1.63	-	38.97	8.88	32.87
AV	11.5895G	44.63	54.00	-9.37	29.65	3	Horizontal	56	1.63	-	38.97	8.88	32.87
PK	17.4071G	63.46	68.20	-4.74	42.81	3	Horizontal	101	1.80	-	43.40	10.25	33.00

802.11ac VHT80_Nss1,(MCS0)_2TX

16/09/2020

5210MHz_TX



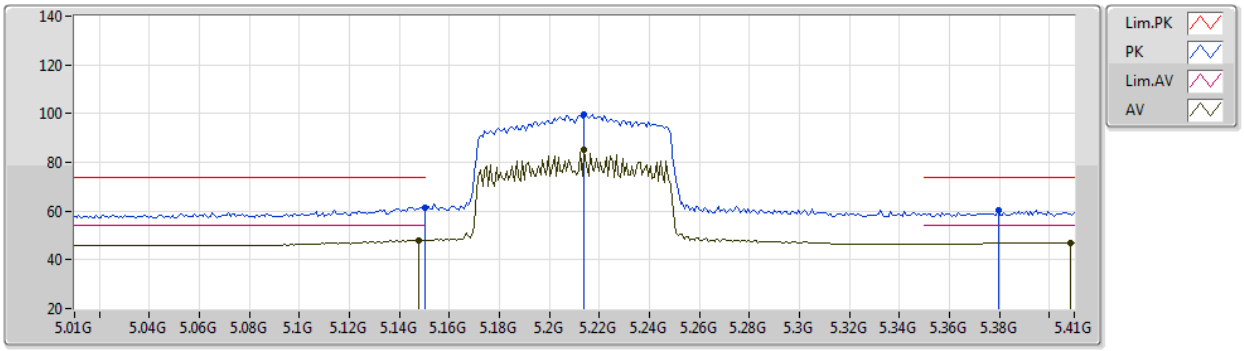
EUT Y_2TX
Setting 1D
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1452G	66.50	74.00	-7.50	58.81	3	Vertical	192	1.80	-	33.45	5.97	31.73
AV	5.1452G	53.16	54.00	-0.84	45.47	3	Vertical	192	1.80	-	33.45	5.97	31.73
PK	5.2124G	106.33	Inf	-Inf	98.48	3	Vertical	192	1.80	-	33.52	6.01	31.68
AV	5.2076G	95.32	Inf	-Inf	87.48	3	Vertical	192	1.80	-	33.52	6.00	31.68
PK	5.3988G	60.65	74.00	-13.35	52.30	3	Vertical	192	1.80	-	33.80	6.10	31.55
AV	5.398G	46.92	54.00	-7.08	38.57	3	Vertical	192	1.80	-	33.80	6.10	31.55

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

16/09/2020



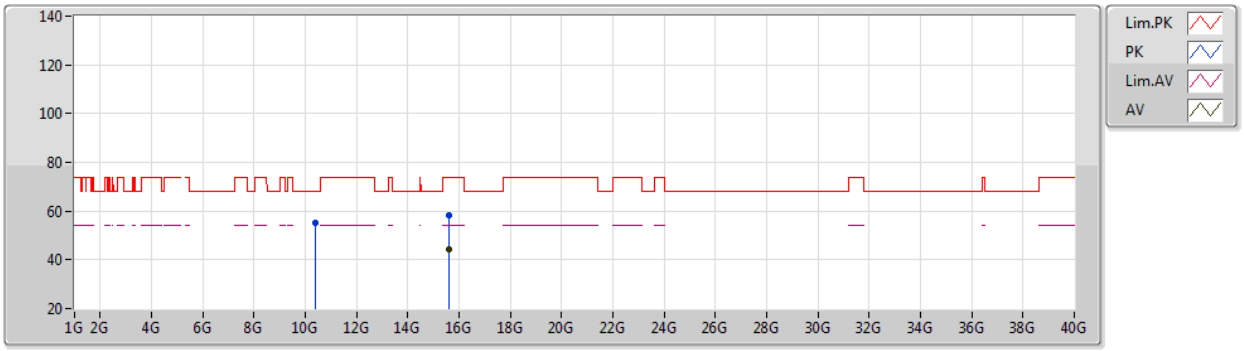
EUT Y_2TX
Setting 1D
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	61.51	74.00	-12.49	53.82	3	Horizontal	234	1.91	-	33.45	5.97	31.73
AV	5.1476G	48.03	54.00	-5.97	40.34	3	Horizontal	234	1.91	-	33.45	5.97	31.73
PK	5.214G	99.85	Inf	-Inf	91.99	3	Horizontal	234	1.91	-	33.53	6.01	31.68
AV	5.214G	85.04	Inf	-Inf	77.18	3	Horizontal	234	1.91	-	33.53	6.01	31.68
PK	5.3796G	60.22	74.00	-13.78	51.91	3	Horizontal	234	1.91	-	33.78	6.09	31.56
AV	5.4084G	46.88	54.00	-7.12	38.50	3	Horizontal	234	1.91	-	33.81	6.11	31.54

802.11ac VHT80_Nss1,(MCS0)_2TX

16/09/2020

5210MHz_TX



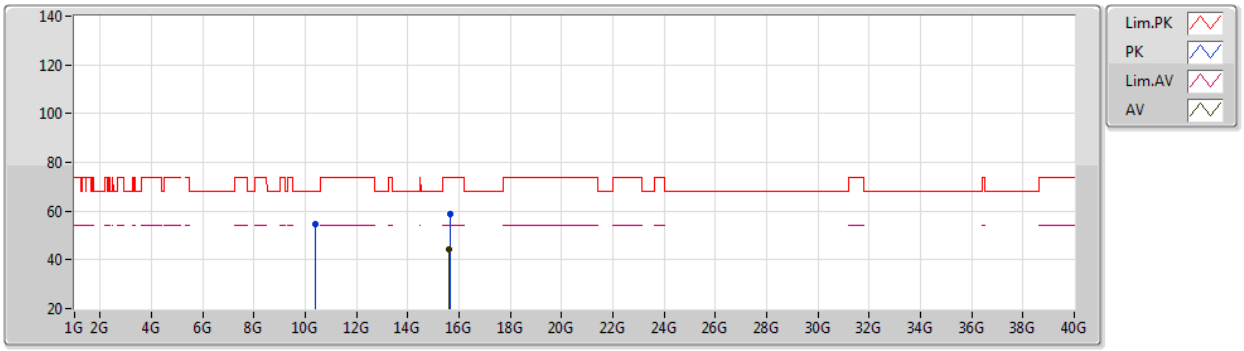
EUT Y_2TX
Setting 1D
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.414G	55.28	68.20	-12.92	40.50	3	Vertical	296	2.01	-	38.85	8.53	32.60
PK	15.6068G	58.32	74.00	-15.68	43.37	3	Vertical	0	2.93	-	38.54	9.27	32.86
AV	15.6059G	44.36	54.00	-9.64	29.41	3	Vertical	0	2.93	-	38.54	9.27	32.86

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

16/09/2020



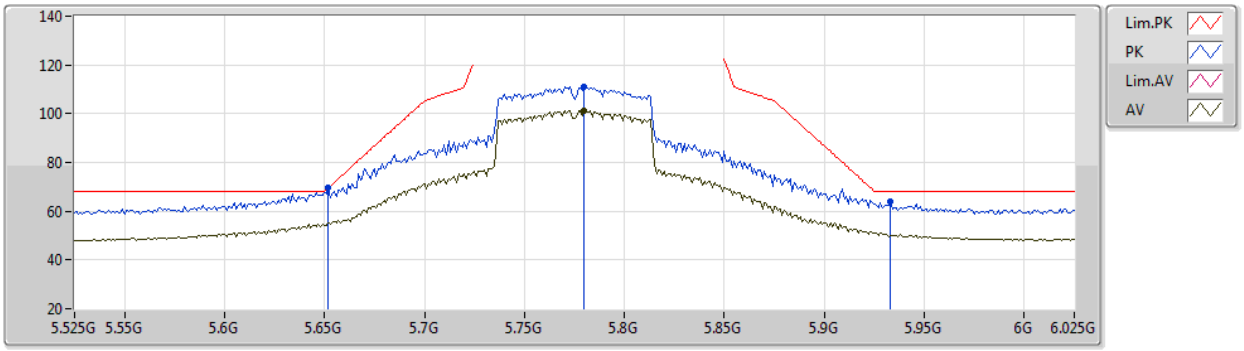
EUT Y_2TX
Setting 1D
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.417G	54.68	68.20	-13.52	39.90	3	Horizontal	79	1.80	-	38.85	8.53	32.60
PK	15.632G	58.60	74.00	-15.40	43.71	3	Horizontal	37	1.80	-	38.47	9.28	32.86
AV	15.6076G	44.33	54.00	-9.67	29.38	3	Horizontal	37	1.80	-	38.54	9.27	32.86

802.11ac VHT80_Nss1,(MCS0)_2TX

16/09/2020

5775MHz_TX



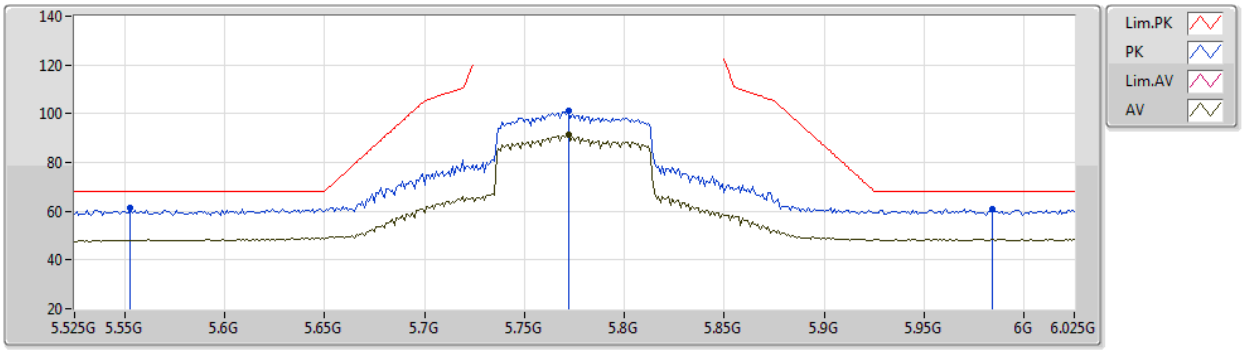
EUT Y_2TX
Setting 26
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.652G	69.56	69.68	-0.12	60.84	3	Vertical	274	2.31	-	33.85	6.33	31.46
PK	5.78G	111.00	Inf	-Inf	102.27	3	Vertical	274	2.31	-	33.80	6.39	31.46
AV	5.78G	101.34	Inf	-Inf	92.61	3	Vertical	274	2.31	-	33.80	6.39	31.46
PK	5.933G	64.11	68.20	-4.09	55.10	3	Vertical	274	2.31	-	34.13	6.33	31.45

802.11ac VHT80_Nss1,(MCS0)_2TX

16/09/2020

5775MHz_TX



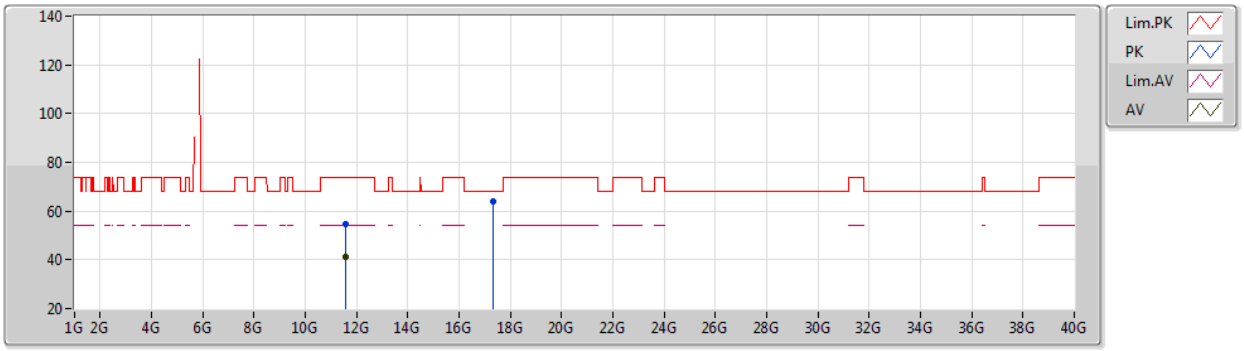
EUT Y_2TX
Setting 26
02-E-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.553G	61.47	68.20	-6.73	52.78	3	Horizontal	137	1.63	-	33.90	6.26	31.47
PK	5.772G	101.12	Inf	-Inf	92.39	3	Horizontal	137	1.63	-	33.80	6.39	31.46
AV	5.772G	91.14	Inf	-Inf	82.41	3	Horizontal	137	1.63	-	33.80	6.39	31.46
PK	5.984G	60.67	68.20	-7.53	51.63	3	Horizontal	137	1.63	-	34.18	6.31	31.45

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

16/09/2020



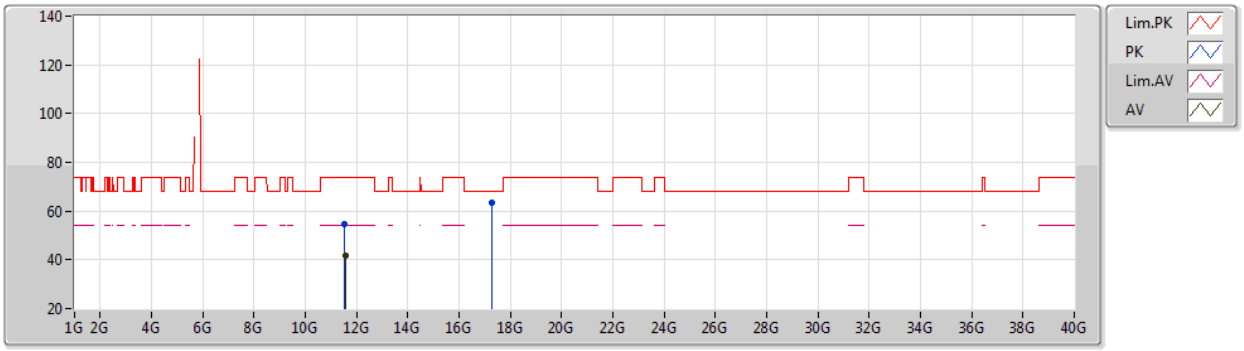
EUT Y_2TX
Setting 26
02-E-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5693G	54.66	74.00	-19.34	39.68	3	Vertical	0	1.64	-	38.96	8.88	32.86
AV	11.5703G	41.46	54.00	-12.54	26.48	3	Vertical	0	1.64	-	38.96	8.88	32.86
PK	17.3124G	63.82	68.20	-4.38	43.73	3	Vertical	182	1.80	-	42.89	10.19	32.99

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

16/09/2020



EUT Y_2TX
Setting 26
02-E-L-3

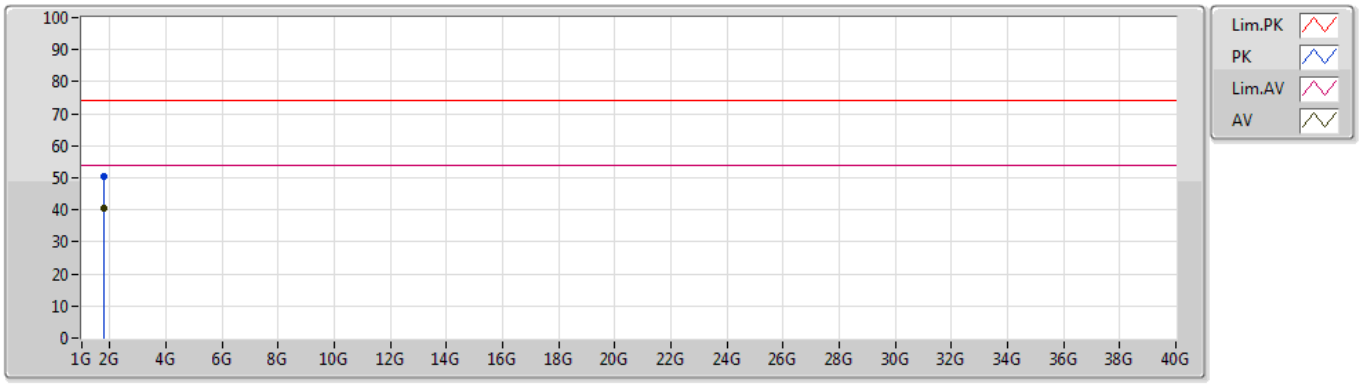
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5314G	54.86	74.00	-19.14	39.93	3	Horizontal	62	1.80	-	38.93	8.86	32.86
AV	11.5721G	41.52	54.00	-12.48	26.54	3	Horizontal	62	1.80	-	38.96	8.88	32.86
PK	17.302G	63.56	68.20	-4.64	43.53	3	Horizontal	320	1.80	-	42.83	10.19	32.99

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.79088G	40.33	54.00	-13.67	Vertical

Mode 1

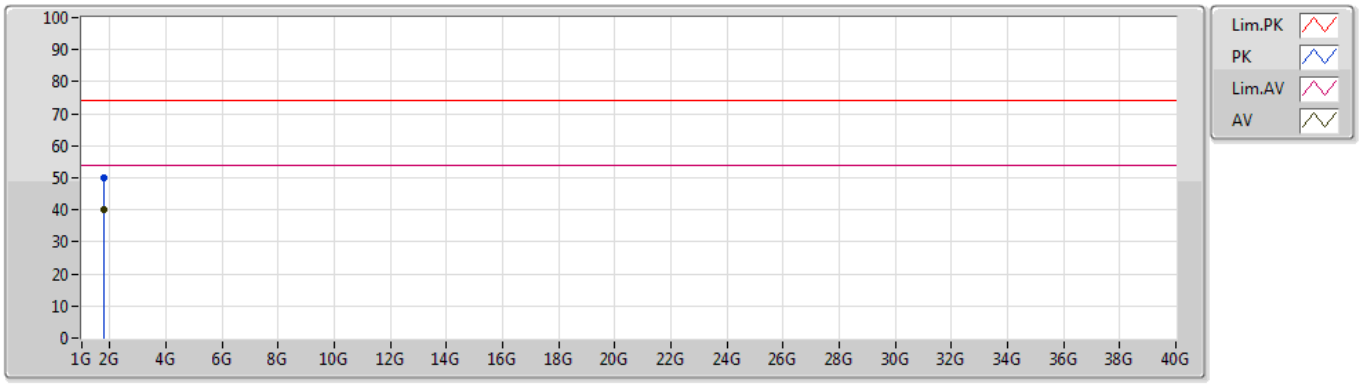
23/09/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.78912G	50.49	74.00	-23.51	-4.41	3	Vertical	264	2.05	-	54.90	26.44	3.78	34.63
AV	1.79088G	40.33	54.00	-13.67	-4.40	3	Vertical	264	2.05	"Worst"	44.73	26.44	3.79	34.63

Mode 1

23/09/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.79002G	50.16	74.00	-23.84	-4.40	3	Horizontal	215	1.47	-	54.56	26.44	3.79	34.63
AV	1.79021G	40.12	54.00	-13.88	-4.40	3	Horizontal	215	1.47	"Worst"	44.52	26.44	3.79	34.63