FCC RADIO TEST REPORT

FCC ID	:	O2U-8568
Equipment	:	Wireless Voice Gateway
Brand Name	:	dbn
Model Name	:	CH8568, CH8568XXXXX (X= a~z , 0~9 , blank, "-")
Applicant	:	COMPAL BROADBAND NETWORKS,INC. 13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu County 30288, Taiwan, R.O.C.
Manufacturer	:	COMPAL BROADBAND NETWORKS,INC. 13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu County 30288, Taiwan, R.O.C.
Standard	:	47 CFR FCC Part 15.407

The product was received on Mar. 27, 2020, and testing was started from Aug. 28, 2020 and completed on Sep. 01, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Cliff Chang

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR032025-04	01	Initial issue of report	Nov. 17, 2020

Summary of Test Result

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

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

Reviewed by: Cliff Chang

Report Producer: Wendy Pan

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20)	5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
5250-5350	n (HT40), ac (VHT40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
5250-5350	ac (VHT80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX

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

1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
	2.4GHz	5GHz					2.4GHz	5GHz
1	1	1	YAGEO	ANTA0ZZ14022WLAN4	Dipole Antenna	I-PEX	4.6	4.6
2	2	3	YAGEO	ANTA0ZZ14022WLAN3	Dipole Antenna	I-PEX	4.4	5.6
3	3	4	YAGEO	ANTA0ZZ14022WLAN2	Dipole Antenna	I-PEX	3.2	5.7
4	-	2	YAGEO	ANTA0ZZ14021WLAN1	Dipole Antenna	I-PEX	-	5.7

Note: The above information was declared by manufacturer.

For 2.4GHz function:

For IEEE 802.11b/g/n mode (3TX/3RX):

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

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

For 5GHz function:

For IEEE 802.11a/n/ac mode (4TX/4RX):

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

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

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.968	0.14	2.066m	1k
802.11ac VHT20	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.974	0.11	2.437m	1k
802.11ac VHT80	0.948	0.23	1.15m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
TPC Function	☒	With TPC	☐	Without TPC
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Test Software Version	QRCT(Version3.0.187.0)			
Serial Number	1418568200053			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Brand Name	Model Name	Description
cbn	CH8568	All the models are identical, the difference model names served as marketing strategy.
	CH8568XXXXX (X= a~z , 0~9 , blank, "-")	

Note: From the above models, model: CH8568 was selected as representative model for the test and its data was record in this report.

1.1.6 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR032025-03

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

Modifications	Performance Checking
Adding 5GHz band 2 and band 3 (5250~5350 MHz, 5470~5725 MHz) for this device.	1. Emission Bandwidth. 2. Maximum Conducted Output Power. 3. Peak Power Spectral Density. 4. Unwanted Emissions above 1GHz.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	RJ Huang	23.7-25.5°C / 53-58 %	Sep. 01, 2020
Radiated Above 1GHz	03CH03-CB	JN Du	23.6-25.5°C / 55-57%	Aug. 28, 2020 ~ Aug. 31, 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
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)_4TX	-
5260MHz	11
5300MHz	11
5320MHz	11.5
5500MHz	11.5
5580MHz	11.5
5700MHz	12
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5260MHz	11.5
5300MHz	12
5320MHz	12
5500MHz	12.5
5580MHz	12.5
5700MHz	12.5
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5270MHz	14.5
5310MHz	14.5
5510MHz	15
5550MHz	15
5670MHz	15
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5290MHz	15
5530MHz	16.5
5610MHz	17.5

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

2.2 The Worst Case Measurement Configuration

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

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

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
Refer to Sporton Test Report No.: FA032025-04 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used at Y axis position.

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories			
Equipment Name	**Brand Holder**	**Model Name**	**Rating**
Adapter	ChenZhou Frecom Electronics Co., Ltd.	F42L1-120350SPAU	INPUT: 100-240V ~ 50/60Hz, 1.4A OUTPUT: 12V, 3.5A
Others			
RJ-45 cable, non-shielded, 1.8m			

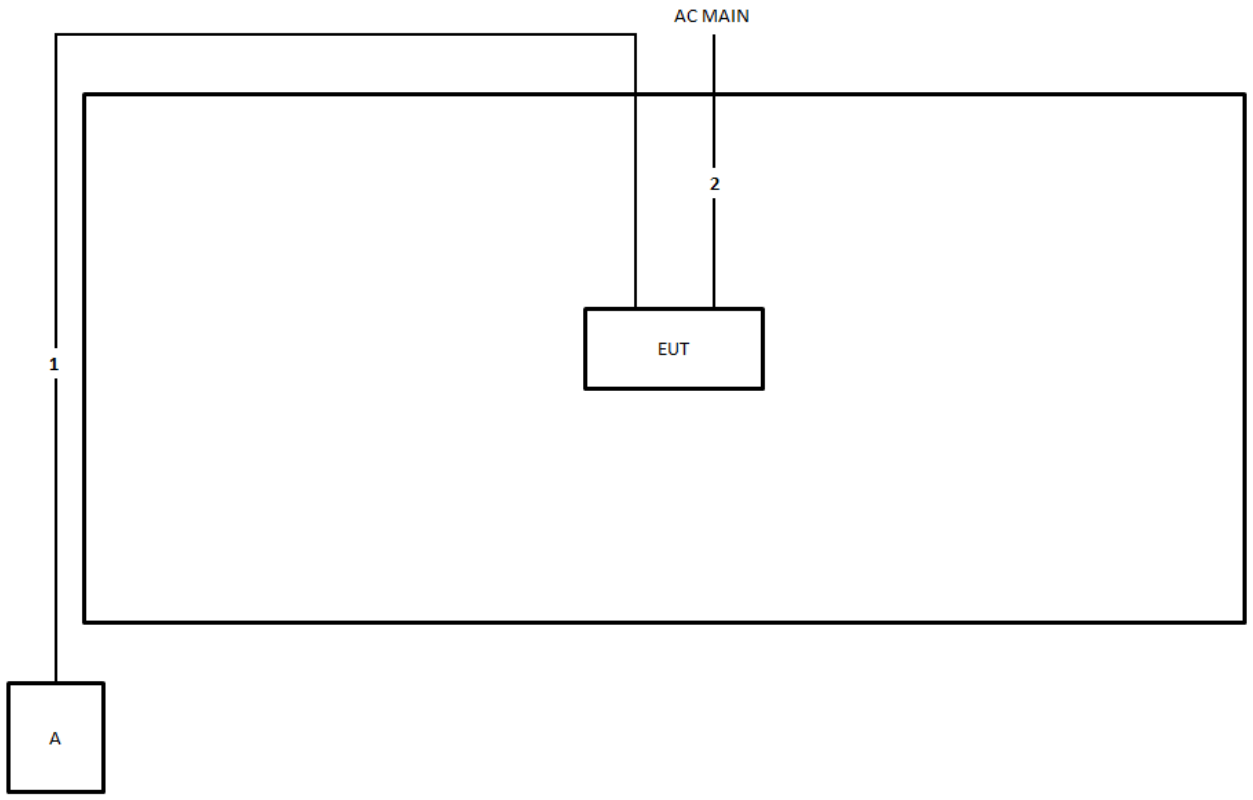
2.5 Support Equipment

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 - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

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

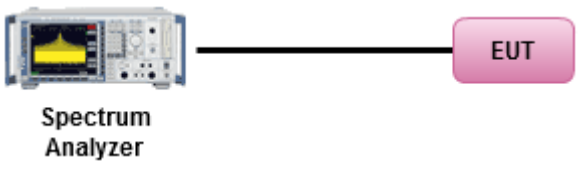
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup

Emission Bandwidth


3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

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

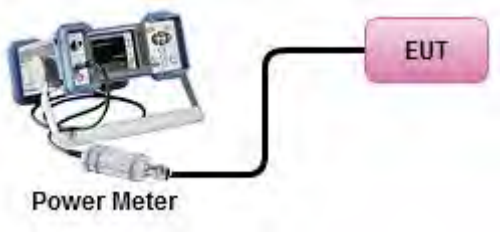
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

RF Output Power (Power Meter)


3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

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

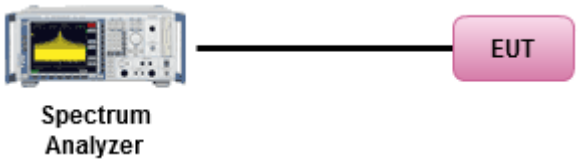
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Power Spectral Density


3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Unwanted Emissions Limit

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

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
☐ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

3.4.2 Measuring Instruments

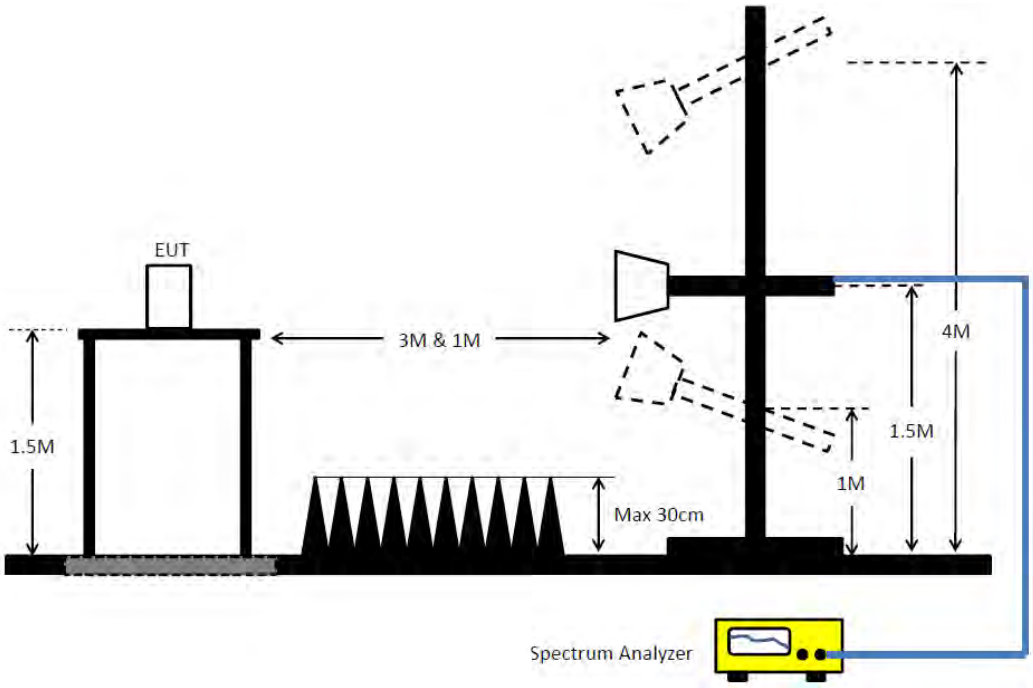
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

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

3.4.4 Test Setup

Above 1GHz



3.4.5 Measurement Results Calculation

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

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	ETS・Lindgren	3115	6821	750MHz~18GHz	Jan. 20, 2020	Jan. 19, 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)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 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)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 05, 2020	May 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 18, 2019	Nov. 17, 2020	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 06, 2019	Nov. 05, 2020	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410002	50MHz~18GHz	Nov. 06, 2019	Nov. 05, 2020	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY54320014	50MHz~18GHz	Mar. 31, 2020	Mar. 30, 2021	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY54320015	50MHz~18GHz	Mar. 31, 2020	Mar. 30, 2021	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.1M	16.432M	16M4D1D	19.32M	16.402M
802.11ac VHT20_Nss1,(MCS0)_4TX	20.46M	17.631M	17M6D1D	20.01M	17.571M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.14M	35.922M	35M9D1D	39.18M	35.742M
802.11ac VHT80_Nss1,(MCS0)_4TX	84M	75.922M	75M9D1D	83.28M	75.802M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.04M	16.432M	16M4D1D	19.44M	16.372M
802.11ac VHT20_Nss1,(MCS0)_4TX	20.49M	17.631M	17M6D1D	20.1M	17.571M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.26M	35.982M	36M0D1D	39.24M	35.742M
802.11ac VHT80_Nss1,(MCS0)_4TX	84.12M	75.922M	75M9D1D	82.68M	75.682M

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

Result

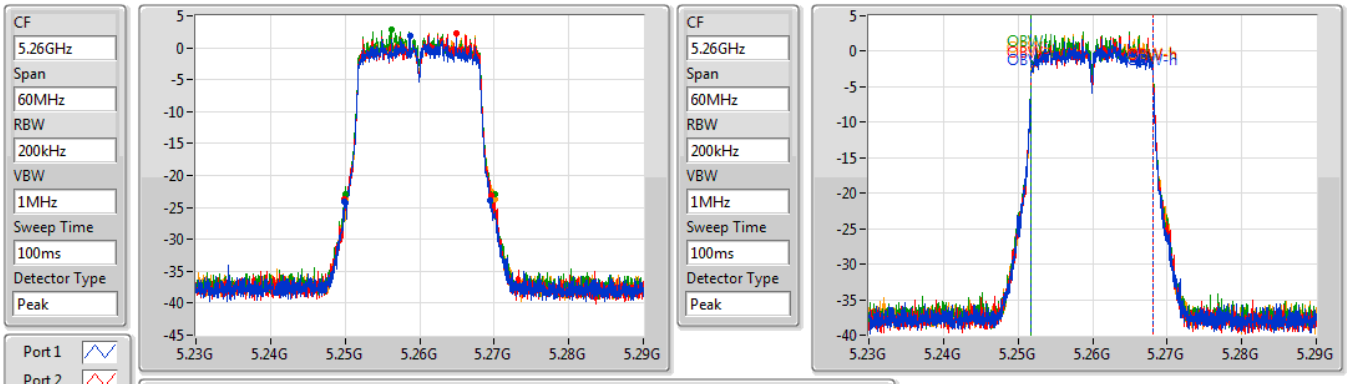
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	19.5M	16.432M	19.68M	16.402M	20.04M	16.402M	20.1M	16.402M
5300MHz	Pass	Inf	19.62M	16.432M	20.01M	16.432M	19.53M	16.432M	19.56M	16.402M
5320MHz	Pass	Inf	19.71M	16.432M	19.32M	16.402M	19.59M	16.432M	20.04M	16.402M
5500MHz	Pass	Inf	19.68M	16.432M	19.68M	16.432M	20.04M	16.432M	19.83M	16.402M
5580MHz	Pass	Inf	19.77M	16.432M	19.8M	16.402M	19.44M	16.432M	19.83M	16.402M
5700MHz	Pass	Inf	19.65M	16.402M	19.56M	16.432M	19.44M	16.402M	20.01M	16.372M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	20.01M	17.571M	20.25M	17.601M	20.4M	17.601M	20.16M	17.601M
5300MHz	Pass	Inf	20.04M	17.571M	20.22M	17.601M	20.31M	17.601M	20.31M	17.601M
5320MHz	Pass	Inf	20.25M	17.571M	20.16M	17.571M	20.46M	17.631M	20.16M	17.571M
5500MHz	Pass	Inf	20.13M	17.571M	20.13M	17.601M	20.49M	17.631M	20.22M	17.571M
5580MHz	Pass	Inf	20.1M	17.571M	20.25M	17.571M	20.49M	17.631M	20.16M	17.571M
5700MHz	Pass	Inf	20.19M	17.571M	20.16M	17.601M	20.13M	17.571M	20.16M	17.571M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.14M	35.922M	39.72M	35.802M	39.84M	35.742M	39.18M	35.742M
5310MHz	Pass	Inf	40.02M	35.922M	40.02M	35.862M	39.9M	35.742M	39.24M	35.802M
5510MHz	Pass	Inf	40.08M	35.922M	39.84M	35.862M	39.72M	35.802M	39.24M	35.742M
5550MHz	Pass	Inf	40.14M	35.982M	39.96M	35.862M	39.84M	35.802M	39.24M	35.862M
5670MHz	Pass	Inf	40.26M	35.922M	39.96M	35.982M	39.9M	35.922M	39.3M	35.802M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	84M	75.922M	83.52M	75.802M	83.52M	75.802M	83.28M	75.802M
5530MHz	Pass	Inf	84.12M	75.802M	83.64M	75.682M	83.88M	75.682M	82.68M	75.802M
5610MHz	Pass	Inf	83.4M	75.922M	84.12M	75.802M	84M	75.922M	83.04M	75.802M

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

802.11a_Nss1,(6Mbps)_4TX EBW

5260MHz

01/09/2020

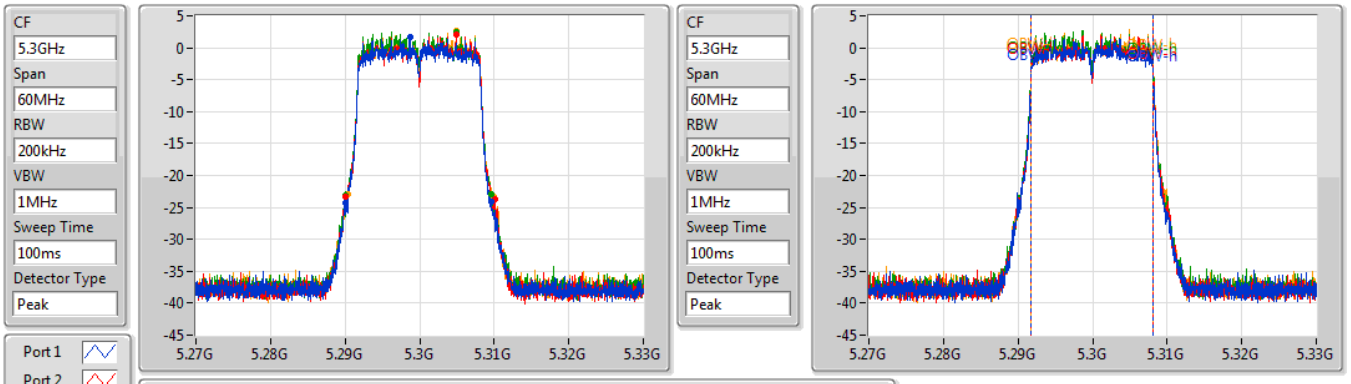


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.5M	5.24995G	5.26945G	16.432M	5.251724G	5.268156G	Inf	1
19.68M	5.24989G	5.26957G	16.402M	5.251754G	5.268156G	Inf	2
20.04M	5.25004G	5.27008G	16.402M	5.251754G	5.268156G	Inf	3
20.1M	5.25001G	5.27011G	16.402M	5.251754G	5.268156G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5300MHz

01/09/2020

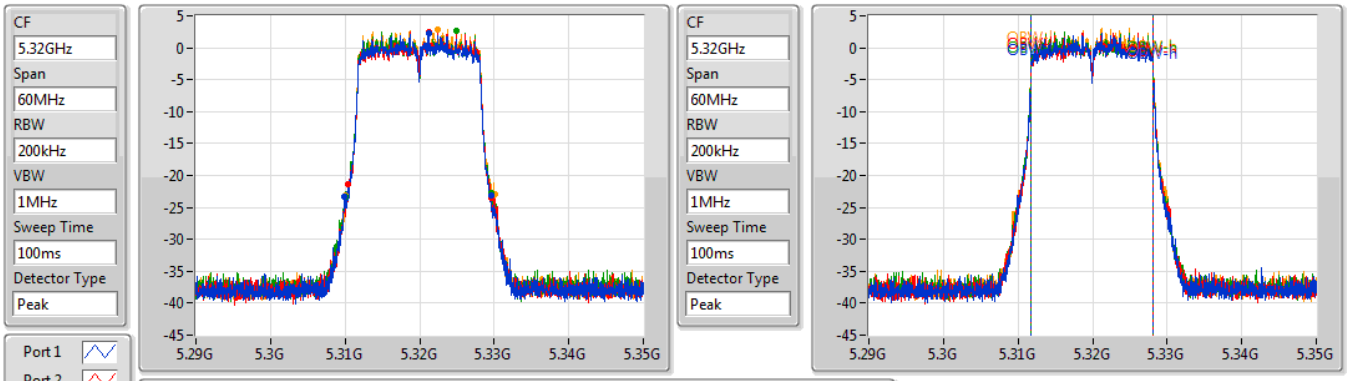


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.62M	5.28998G	5.3096G	16.432M	5.291724G	5.308156G	Inf	1
20.01M	5.29004G	5.31005G	16.432M	5.291724G	5.308156G	Inf	2
19.53M	5.29004G	5.30957G	16.432M	5.291724G	5.308156G	Inf	3
19.56M	5.29043G	5.30999G	16.402M	5.291754G	5.308156G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5320MHz

01/09/2020

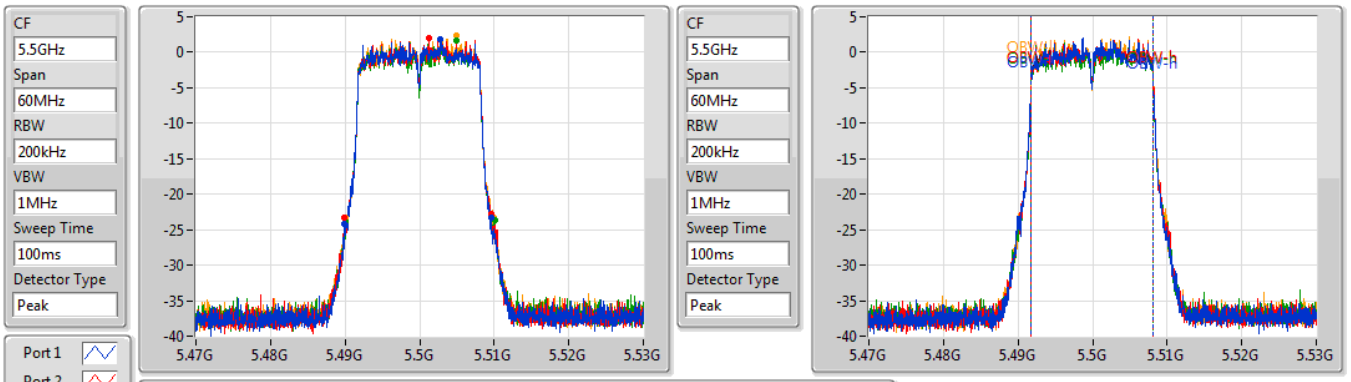


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.71M	5.30995G	5.32966G	16.432M	5.311724G	5.328156G	Inf	1
19.32M	5.31031G	5.32963G	16.402M	5.311754G	5.328156G	Inf	2
19.59M	5.31001G	5.3296G	16.432M	5.311724G	5.328156G	Inf	3
20.04M	5.31001G	5.33005G	16.402M	5.311754G	5.328156G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5500MHz

01/09/2020

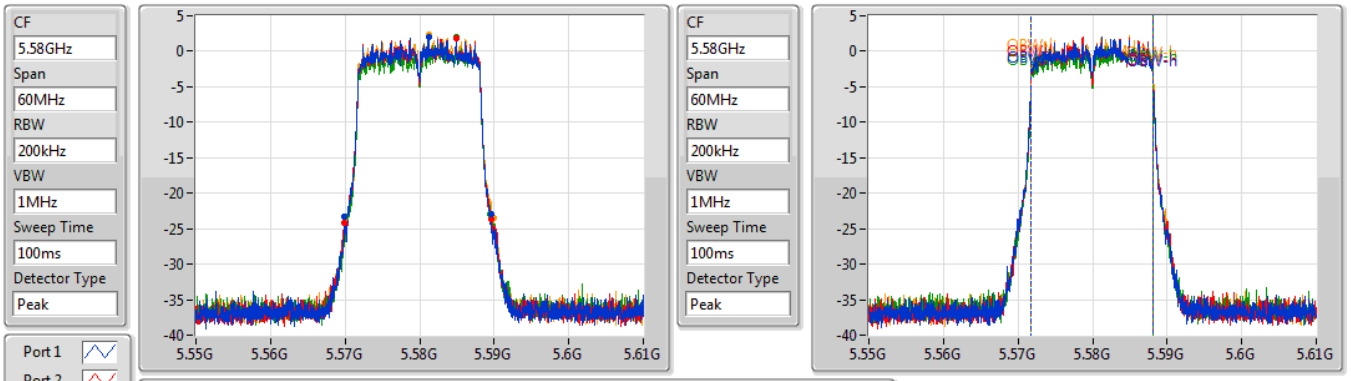


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.68M	5.48989G	5.50957G	16.432M	5.491724G	5.508156G	Inf	1
19.68M	5.48995G	5.50963G	16.432M	5.491724G	5.508156G	Inf	2
20.04M	5.49001G	5.51005G	16.432M	5.491724G	5.508156G	Inf	3
19.83M	5.49004G	5.50987G	16.402M	5.491754G	5.508156G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5580MHz

01/09/2020

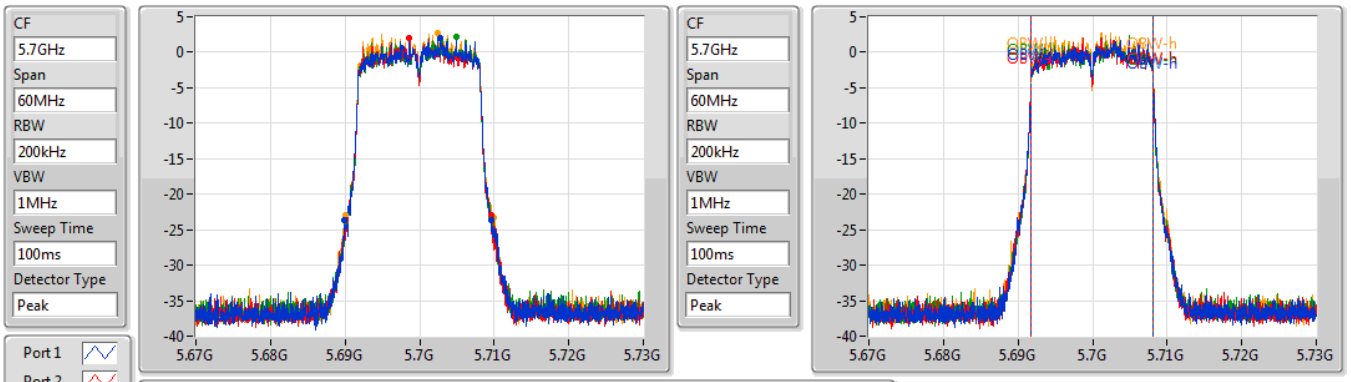


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.77M	5.56989G	5.58966G	16.432M	5.571724G	5.588156G	Inf	1
19.8M	5.56989G	5.58969G	16.402M	5.571754G	5.588156G	Inf	2
19.44M	5.57007G	5.58951G	16.432M	5.571724G	5.588156G	Inf	3
19.83M	5.57004G	5.58987G	16.402M	5.571754G	5.588156G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5700MHz

01/09/2020

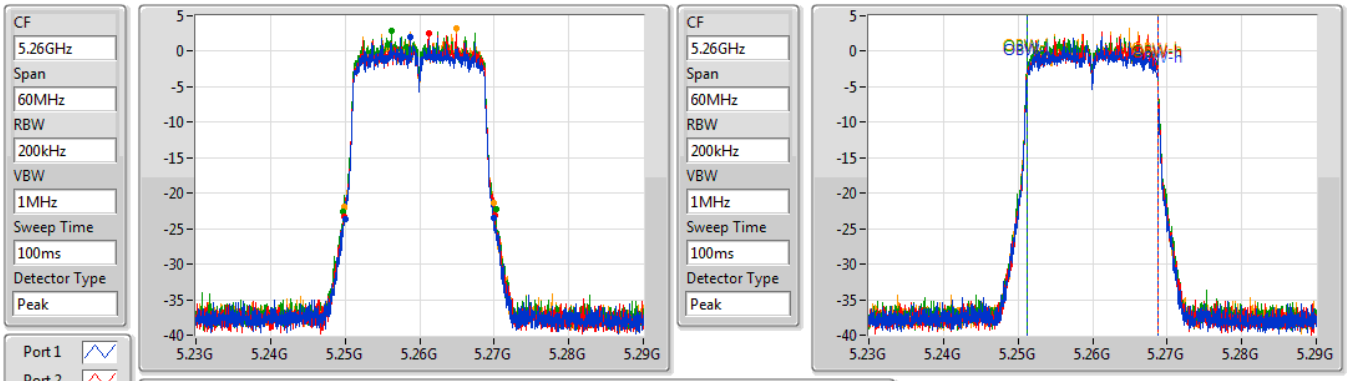


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.65M	5.68989G	5.70954G	16.402M	5.691754G	5.708156G	Inf	1
19.56M	5.68998G	5.70954G	16.432M	5.691724G	5.708156G	Inf	2
19.44M	5.6901G	5.70954G	16.402M	5.691754G	5.708156G	Inf	3
20.01M	5.69001G	5.71002G	16.372M	5.691754G	5.708126G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5260MHz

01/09/2020

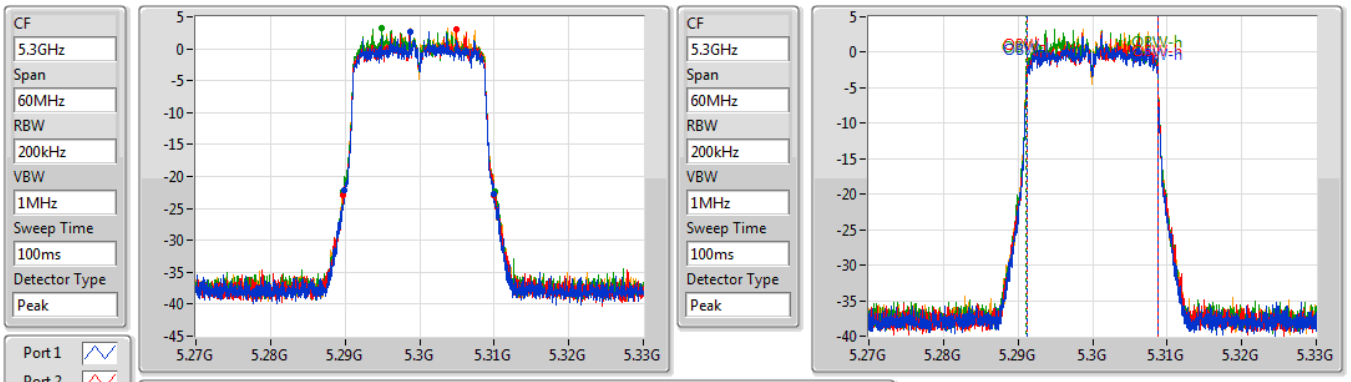


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.01M	5.24998G	5.26999G	17.571M	5.251154G	5.268726G	Inf	1
20.25M	5.24989G	5.27014G	17.601M	5.251154G	5.268756G	Inf	2
20.4M	5.2498G	5.2702G	17.601M	5.251154G	5.268756G	Inf	3
20.16M	5.24986G	5.27002G	17.601M	5.251154G	5.268756G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5300MHz

01/09/2020

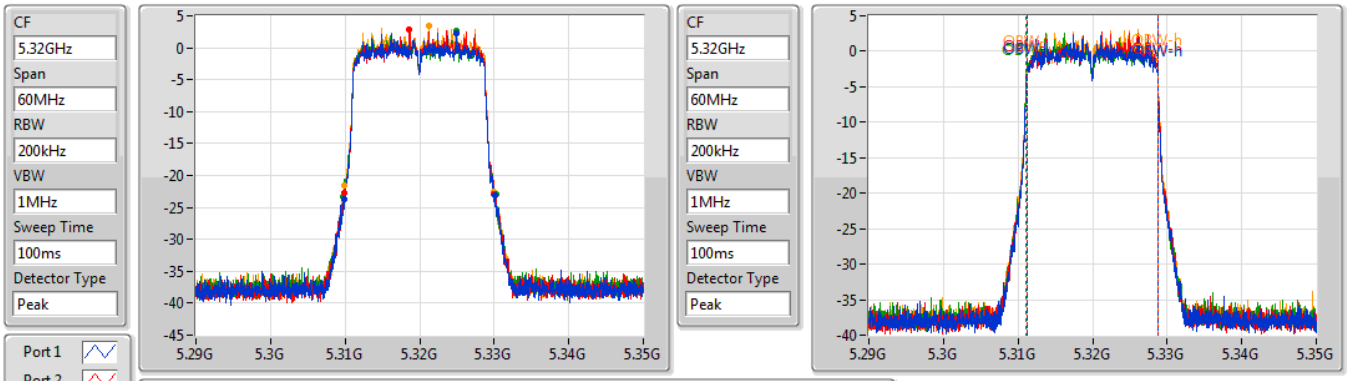


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.04M	5.28995G	5.30999G	17.571M	5.291154G	5.308726G	Inf	1
20.22M	5.2898G	5.31002G	17.601M	5.291154G	5.308756G	Inf	2
20.31M	5.2898G	5.31011G	17.601M	5.291124G	5.308726G	Inf	3
20.31M	5.2898G	5.31011G	17.601M	5.291124G	5.308726G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5320MHz

01/09/2020

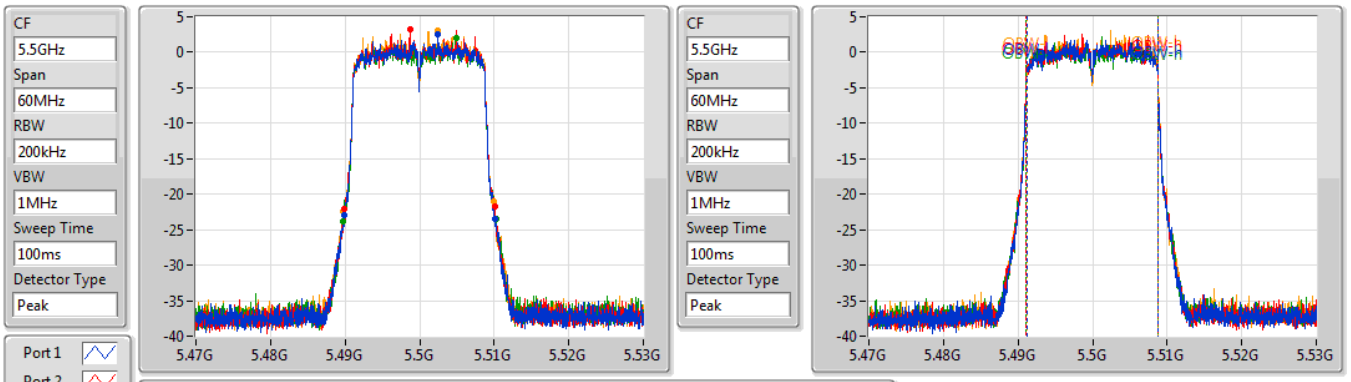


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.25M	5.30986G	5.33011G	17.571M	5.311154G	5.328726G	Inf	1
20.16M	5.30986G	5.33002G	17.571M	5.311154G	5.328726G	Inf	2
20.46M	5.30974G	5.3302G	17.631M	5.311124G	5.328756G	Inf	3
20.16M	5.30986G	5.33002G	17.571M	5.311154G	5.328726G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5500MHz

01/09/2020

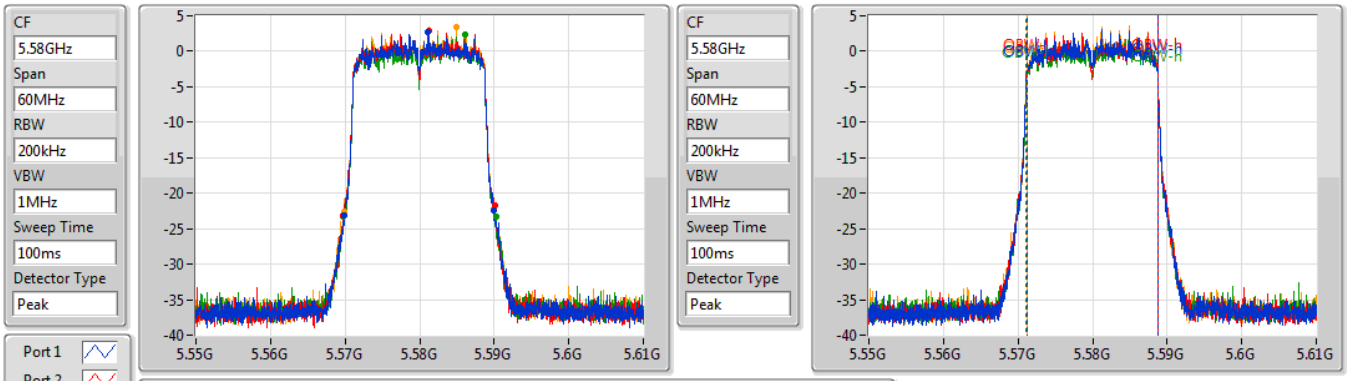


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.13M	5.48992G	5.51005G	17.571M	5.491154G	5.508726G	Inf	1
20.13M	5.48992G	5.51005G	17.601M	5.491124G	5.508726G	Inf	2
20.49M	5.48974G	5.51023G	17.631M	5.491124G	5.508756G	Inf	3
20.22M	5.4898G	5.51002G	17.571M	5.491154G	5.508726G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5580MHz

01/09/2020

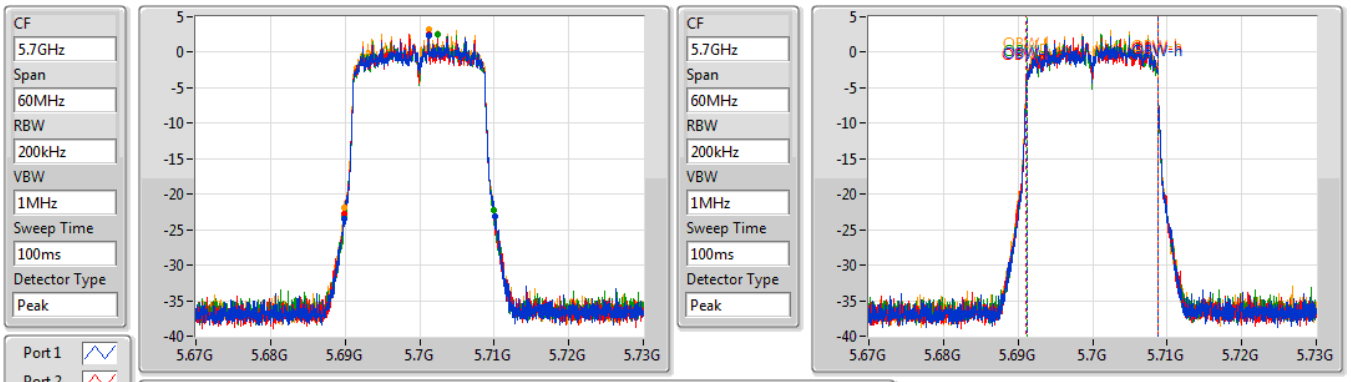


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.1M	5.56992G	5.59002G	17.571M	5.571154G	5.588726G	Inf	1
20.25M	5.5698G	5.59005G	17.571M	5.571154G	5.588726G	Inf	2
20.49M	5.56974G	5.59023G	17.631M	5.571124G	5.588756G	Inf	3
20.16M	5.56986G	5.59002G	17.571M	5.571154G	5.588726G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5700MHz

01/09/2020

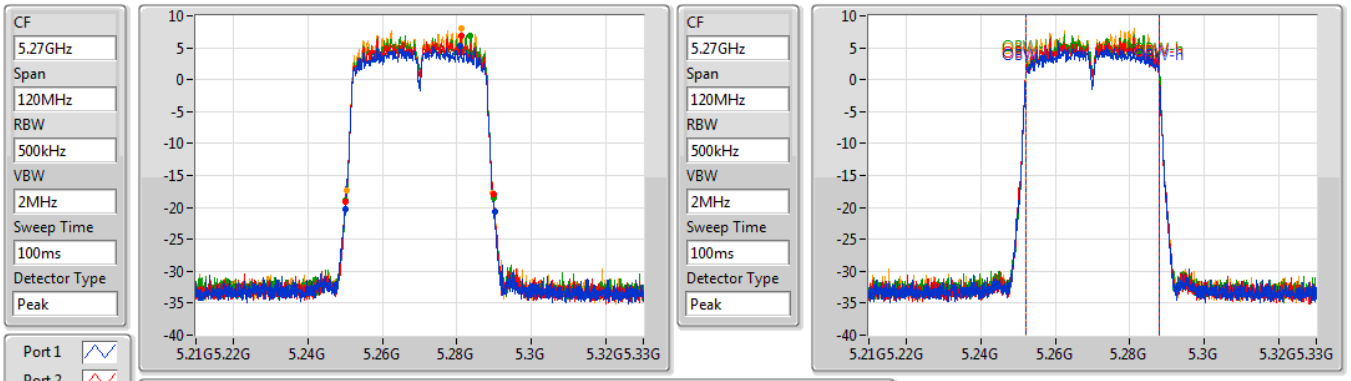


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.19M	5.68986G	5.71005G	17.571M	5.691154G	5.708726G	Inf	1
20.16M	5.68989G	5.71005G	17.601M	5.691124G	5.708726G	Inf	2
20.13M	5.68986G	5.70999G	17.571M	5.691154G	5.708726G	Inf	3
20.16M	5.68986G	5.71002G	17.571M	5.691154G	5.708726G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5270MHz

01/09/2020

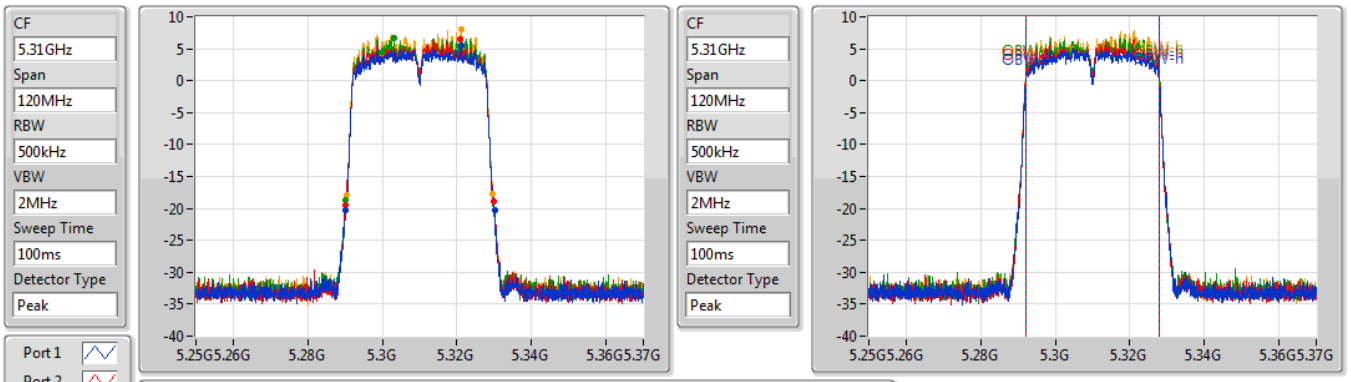


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.25002G	5.29016G	35.922M	5.252009G	5.287931G	Inf	1
39.72M	5.25008G	5.2898G	35.802M	5.252069G	5.287871G	Inf	2
39.84M	5.2502G	5.29004G	35.742M	5.252129G	5.287871G	Inf	3
39.18M	5.25038G	5.28956G	35.742M	5.252129G	5.287871G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5310MHz

01/09/2020

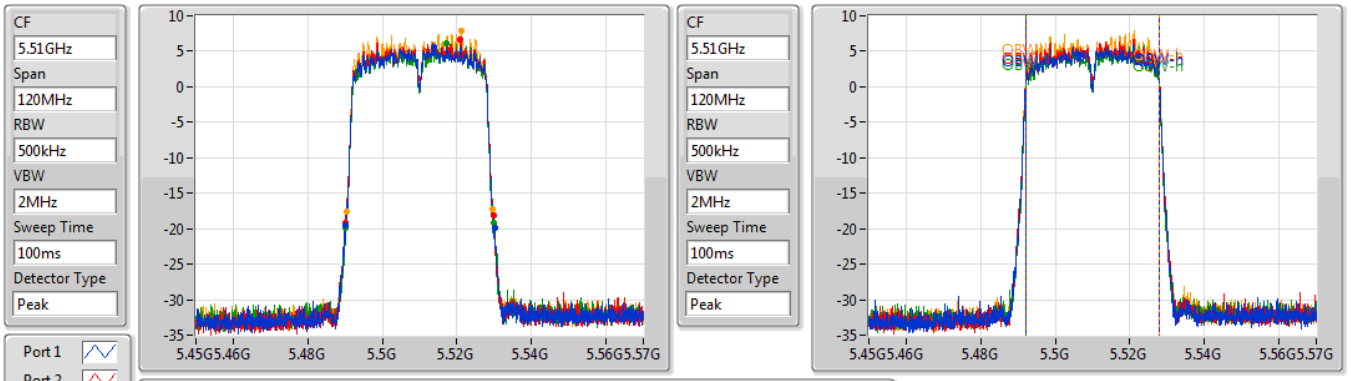


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.02M	5.29008G	5.3301G	35.922M	5.292009G	5.327931G	Inf	1
40.02M	5.29002G	5.33004G	35.862M	5.292069G	5.327931G	Inf	2
39.9M	5.29008G	5.32998G	35.742M	5.292129G	5.327871G	Inf	3
39.24M	5.29032G	5.32956G	35.802M	5.292069G	5.327871G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5510MHz

01/09/2020

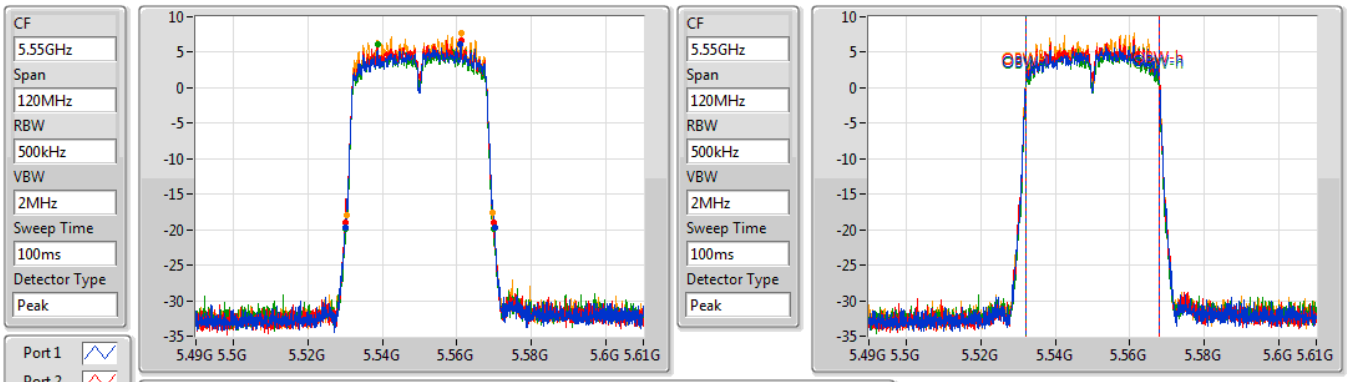


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.49008G	5.53016G	35.922M	5.492009G	5.527931G	Inf	1
39.84M	5.49002G	5.52986G	35.862M	5.492069G	5.527931G	Inf	2
39.72M	5.49014G	5.52986G	35.802M	5.492129G	5.527931G	Inf	3
39.24M	5.49032G	5.52956G	35.742M	5.492129G	5.527871G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5550MHz

01/09/2020

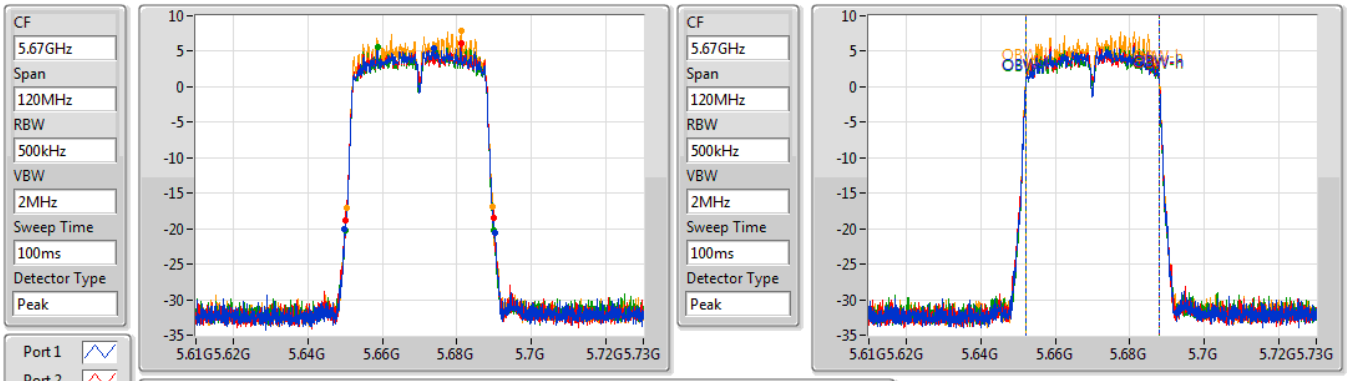


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.52996G	5.5701G	35.982M	5.532009G	5.567991G	Inf	1
39.96M	5.52996G	5.56992G	35.862M	5.532069G	5.567931G	Inf	2
39.84M	5.53008G	5.56992G	35.802M	5.532069G	5.567871G	Inf	3
39.24M	5.53032G	5.56956G	35.862M	5.532069G	5.567931G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5670MHz

01/09/2020

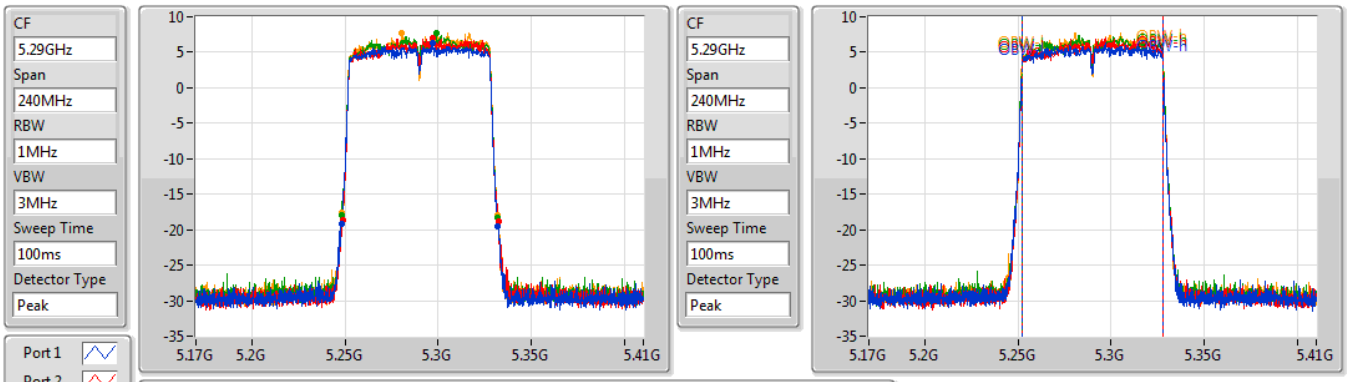


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.6499G	5.69016G	35.922M	5.652009G	5.687931G	Inf	1
39.96M	5.65002G	5.68998G	35.982M	5.652009G	5.687991G	Inf	2
39.9M	5.65008G	5.68998G	35.922M	5.652009G	5.687931G	Inf	3
39.3M	5.65032G	5.68962G	35.802M	5.652069G	5.687871G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5290MHz

01/09/2020

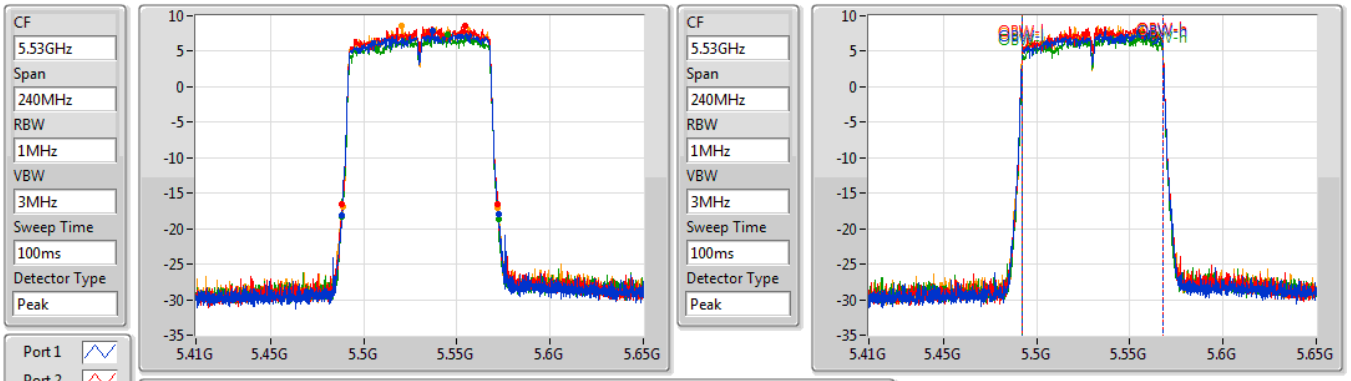


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84M	5.248G	5.332G	75.922M	5.251979G	5.327901G	Inf	1
83.52M	5.2486G	5.33212G	75.802M	5.252099G	5.327901G	Inf	2
83.52M	5.24836G	5.33188G	75.802M	5.252099G	5.327901G	Inf	3
83.28M	5.24848G	5.33176G	75.802M	5.252099G	5.327901G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5530MHz

01/09/2020

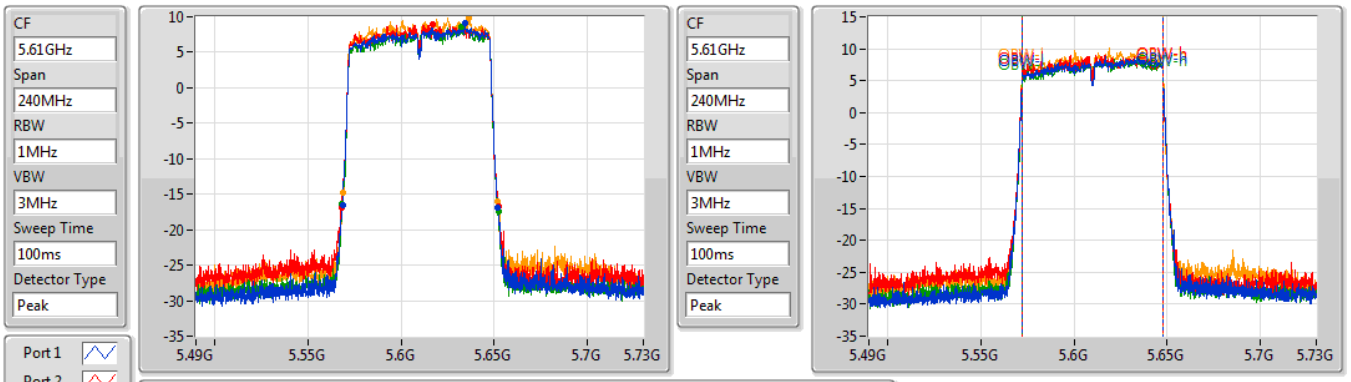


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84.12M	5.48812G	5.57224G	75.802M	5.492099G	5.567901G	Inf	1
83.64M	5.48836G	5.572G	75.682M	5.492219G	5.567901G	Inf	2
83.88M	5.48824G	5.57212G	75.682M	5.492219G	5.567901G	Inf	3
82.68M	5.48884G	5.57152G	75.802M	5.492099G	5.567901G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5610MHz

01/09/2020



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.4M	5.5686G	5.652G	75.922M	5.572099G	5.648021G	Inf	1
84.12M	5.568G	5.65212G	75.802M	5.572099G	5.647901G	Inf	2
84M	5.56812G	5.65212G	75.922M	5.572099G	5.648021G	Inf	3
83.04M	5.56884G	5.65188G	75.802M	5.572099G	5.647901G	Inf	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	18.62	0.07278
802.11ac VHT20_Nss1,(MCS0)_4TX	18.90	0.07762
802.11ac VHT40_Nss1,(MCS0)_4TX	21.54	0.14256
802.11ac VHT80_Nss1,(MCS0)_4TX	21.84	0.15276
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	18.22	0.06637
802.11ac VHT20_Nss1,(MCS0)_4TX	18.85	0.07674
802.11ac VHT40_Nss1,(MCS0)_4TX	21.37	0.13709
802.11ac VHT80_Nss1,(MCS0)_4TX	23.80	0.23988

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.70	11.76	12.08	12.60	12.55	18.28	23.90
5300MHz	Pass	5.70	11.69	12.01	12.58	12.53	18.24	23.91
5320MHz	Pass	5.70	12.17	12.34	12.77	13.07	18.62	23.86
5500MHz	Pass	5.70	11.95	12.09	11.76	12.12	18.00	23.94
5580MHz	Pass	5.70	11.93	12.12	11.52	12.22	17.98	23.89
5700MHz	Pass	5.70	12.06	12.01	12.04	12.64	18.22	23.89
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.70	11.84	12.29	12.77	12.94	18.50	23.98
5300MHz	Pass	5.70	12.39	12.67	13.12	13.27	18.90	23.98
5320MHz	Pass	5.70	12.29	12.82	12.49	13.31	18.77	23.98
5500MHz	Pass	5.70	12.75	12.81	12.66	13.02	18.83	23.98
5580MHz	Pass	5.70	12.78	12.87	12.45	13.19	18.85	23.98
5700MHz	Pass	5.70	12.35	12.31	12.22	12.68	18.41	23.98
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.70	14.84	15.58	15.72	15.87	21.54	23.98
5310MHz	Pass	5.70	14.83	15.04	15.56	15.72	21.32	23.98
5510MHz	Pass	5.70	15.13	15.60	14.97	15.64	21.37	23.98
5550MHz	Pass	5.70	15.10	15.64	14.80	15.56	21.31	23.98
5670MHz	Pass	5.70	15.07	14.87	14.81	15.82	21.18	23.98
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.70	15.39	15.21	16.25	16.31	21.84	23.98
5530MHz	Pass	5.70	16.69	17.24	16.38	17.15	22.90	23.98
5610MHz	Pass	5.70	17.58	17.85	17.28	18.35	23.80	23.98

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

Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	5.54
802.11ac VHT20_Nss1,(MCS0)_4TX	5.47
802.11ac VHT40_Nss1,(MCS0)_4TX	5.39
802.11ac VHT80_Nss1,(MCS0)_4TX	2.51
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	5.48
802.11ac VHT20_Nss1,(MCS0)_4TX	5.55
802.11ac VHT40_Nss1,(MCS0)_4TX	5.38
802.11ac VHT80_Nss1,(MCS0)_4TX	4.57

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

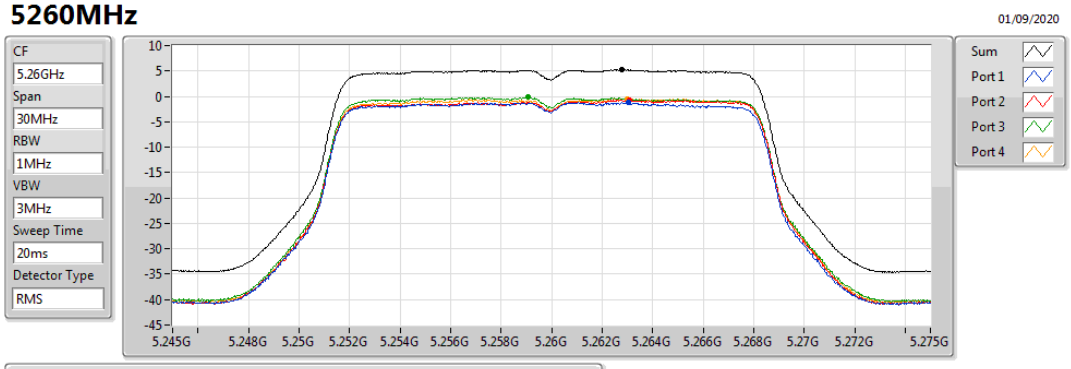
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	11.43	-1.21	-0.74	-0.19	-0.51	5.24	5.57
5300MHz	Pass	11.43	-1.33	-0.99	-0.33	-0.41	5.14	5.57
5320MHz	Pass	11.43	-0.80	-0.36	-0.49	0.11	5.54	5.57
5500MHz	Pass	11.43	-0.82	-0.85	-1.26	-0.46	5.13	5.57
5580MHz	Pass	11.43	-0.92	-0.92	-1.17	-0.43	5.13	5.57
5700MHz	Pass	11.43	-0.60	-0.80	-0.57	0.15	5.48	5.57
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	11.43	-1.30	-0.84	0.01	-0.21	5.27	5.57
5300MHz	Pass	11.43	-0.89	-0.61	0.01	0.06	5.47	5.57
5320MHz	Pass	11.43	-1.03	-0.49	-0.87	0.11	5.34	5.57
5500MHz	Pass	11.43	-0.55	-0.42	-0.79	0.05	5.55	5.57
5580MHz	Pass	11.43	-0.55	-0.51	-0.78	0.02	5.47	5.57
5700MHz	Pass	11.43	-0.84	-0.92	-0.70	-0.06	5.28	5.57
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	11.43	-1.28	-0.31	-0.21	-0.13	5.39	5.57
5310MHz	Pass	11.43	-1.27	-0.68	-0.41	-0.15	5.26	5.57
5510MHz	Pass	11.43	-0.76	-0.33	-0.95	-0.14	5.38	5.57
5550MHz	Pass	11.43	-0.70	-0.34	-1.08	-0.25	5.31	5.57
5670MHz	Pass	11.43	-0.89	-1.26	-1.20	0.05	5.12	5.57
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	11.43	-3.94	-3.38	-2.99	-2.87	2.51	5.57
5530MHz	Pass	11.43	-2.04	-1.78	-2.79	-2.06	3.69	5.57
5610MHz	Pass	11.43	-1.30	-1.33	-1.73	-0.58	4.57	5.57

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

802.11a_Nss1,(6Mbps)_4TX PSD

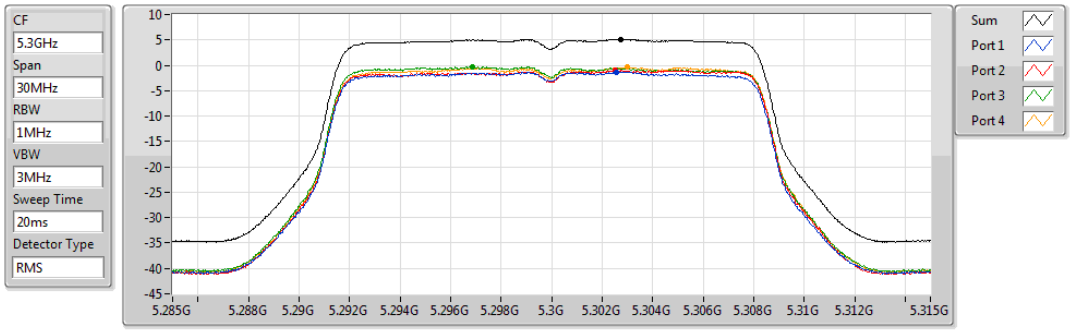
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.24	5.24	-1.21	-0.74	-0.19	-0.51

802.11a_Nss1,(6Mbps)_4TX PSD

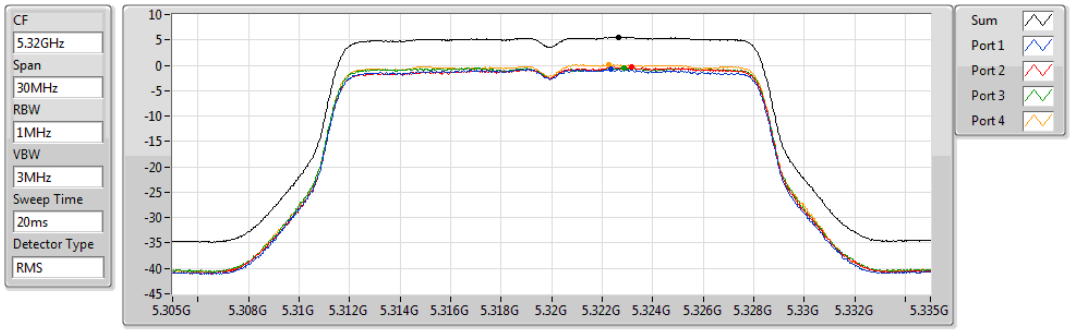
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.14	5.14	-1.33	-0.99	-0.33	-0.41

802.11a_Nss1,(6Mbps)_4TX PSD

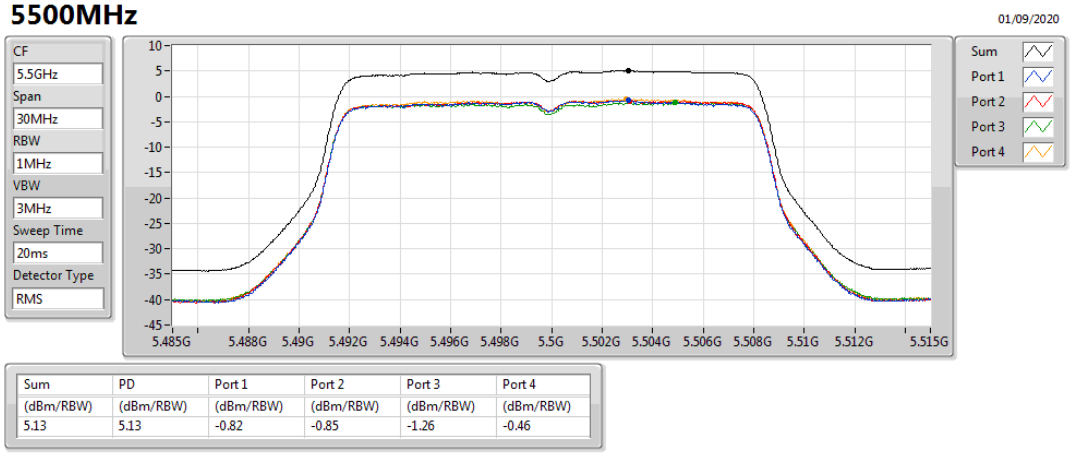
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.54	5.54	-0.80	-0.36	-0.49	0.11

802.11a_Nss1,(6Mbps)_4TX PSD

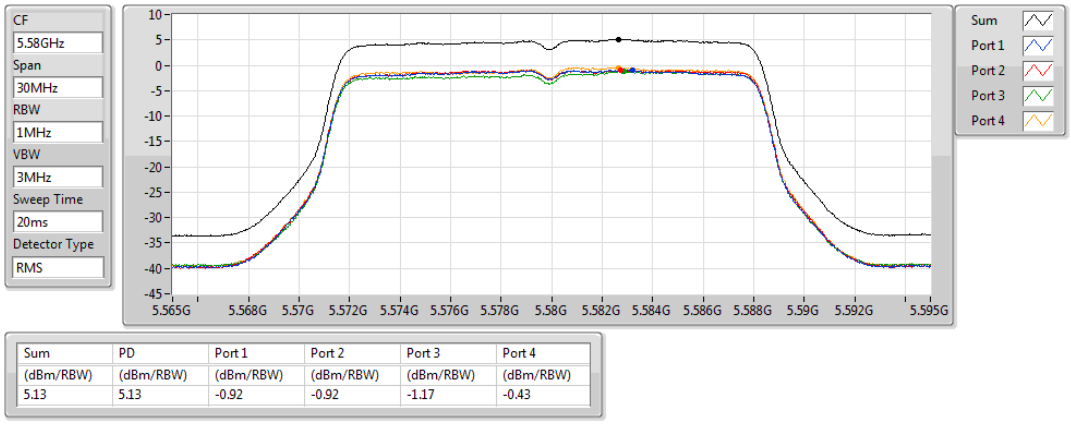
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.13	5.13	-0.82	-0.85	-1.26	-0.46

802.11a_Nss1,(6Mbps)_4TX PSD

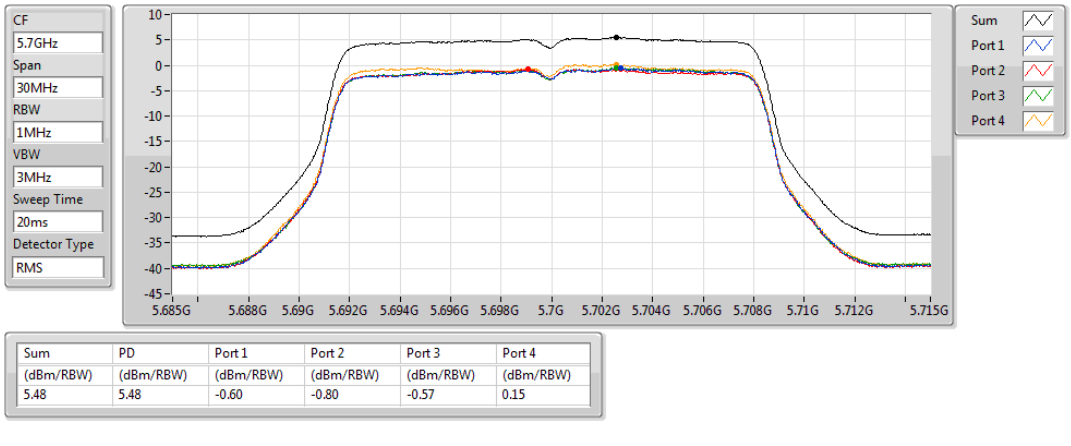
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.13	5.13	-0.92	-0.92	-1.17	-0.43

802.11a_Nss1,(6Mbps)_4TX PSD

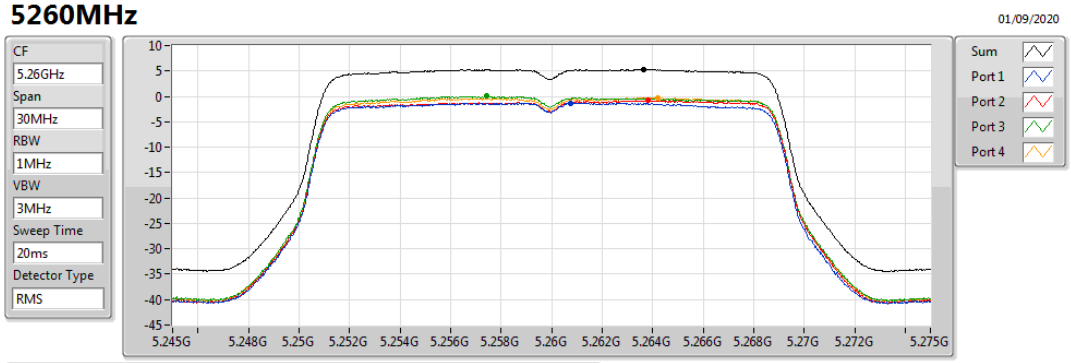
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.48	5.48	-0.60	-0.80	-0.57	0.15

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

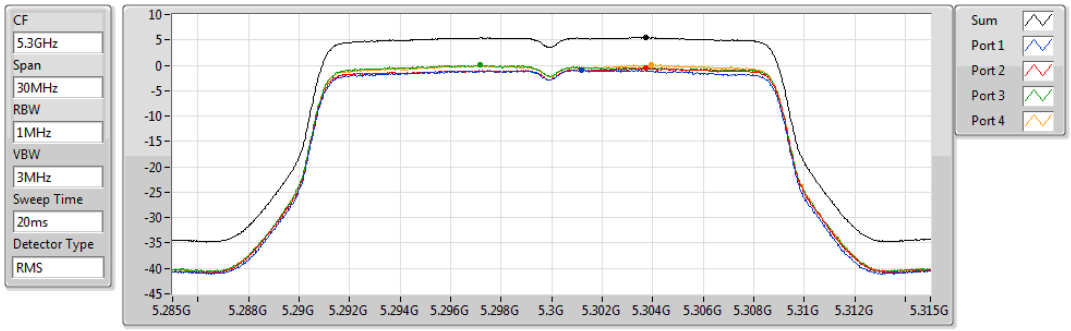
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.27	5.27	-1.30	-0.84	0.01	-0.21

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

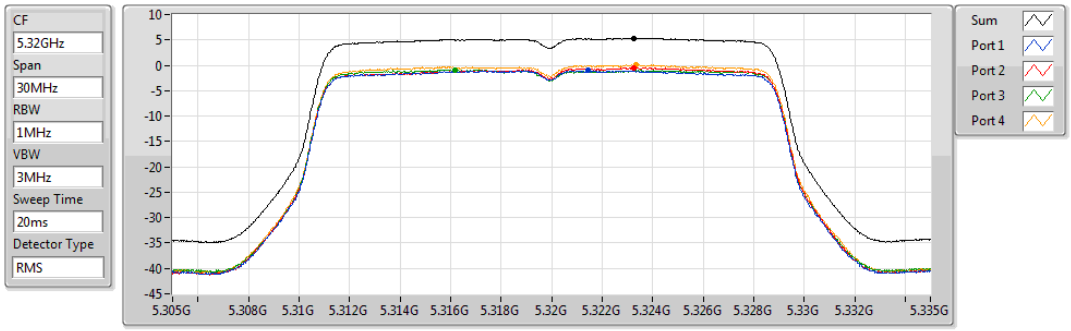
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.47	5.47	-0.89	-0.61	0.01	0.06

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

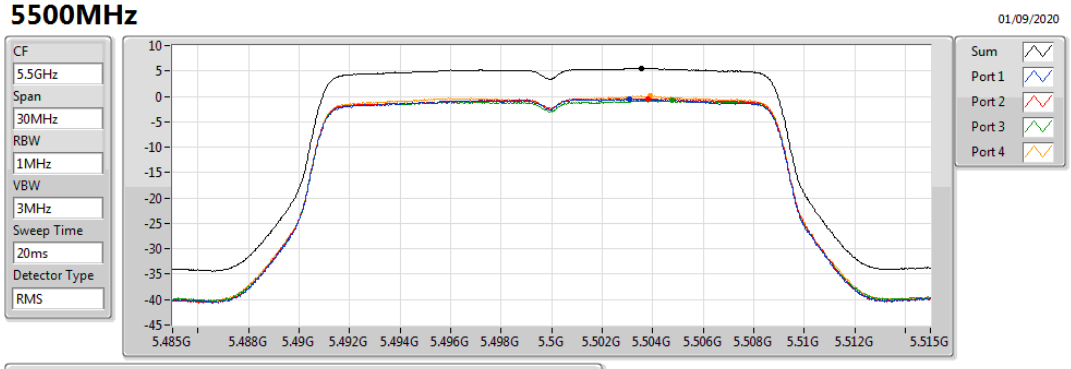
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.34	5.34	-1.03	-0.49	-0.87	0.11

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

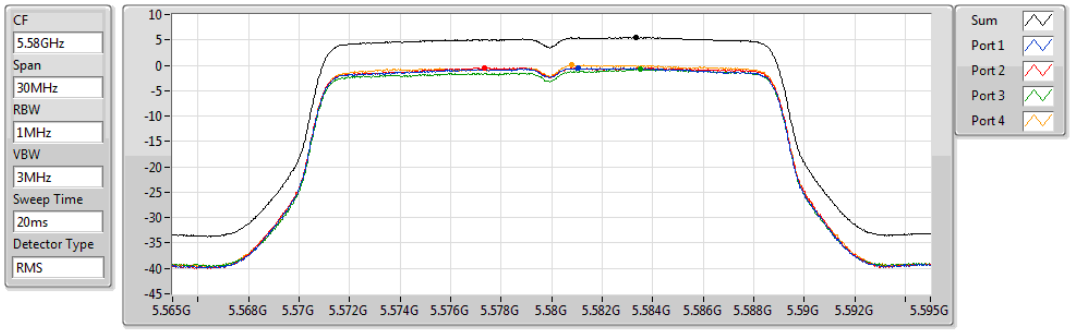
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.55	5.55	-0.55	-0.42	-0.79	0.05

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

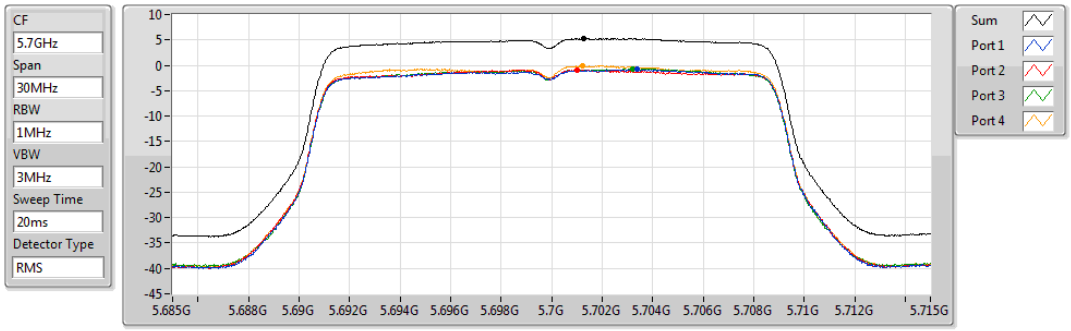
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.47	5.47	-0.55	-0.51	-0.78	0.02

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

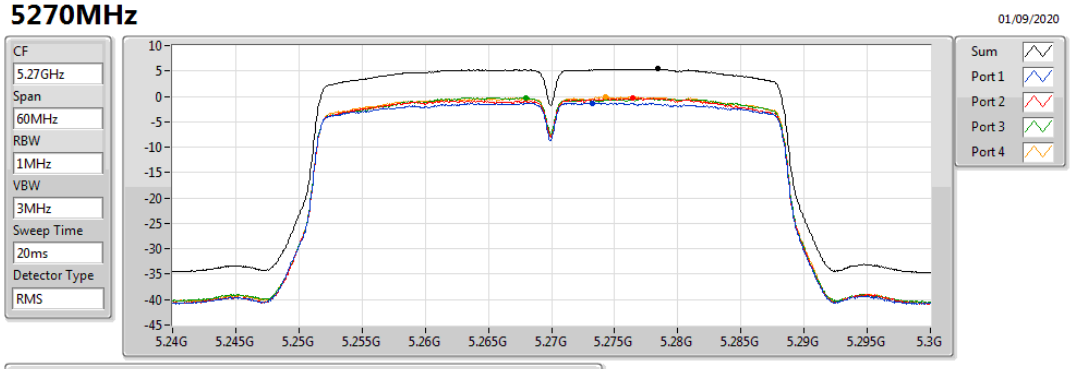
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.28	5.28	-0.84	-0.92	-0.70	-0.06

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

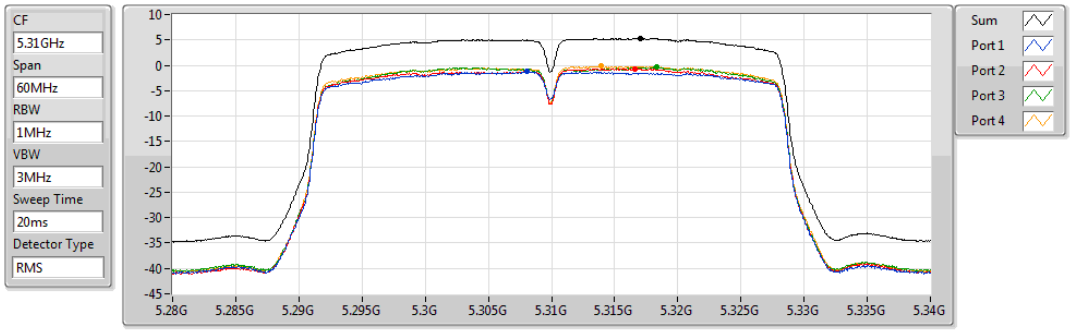
5270MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.39	5.39	-1.28	-0.31	-0.21	-0.13

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

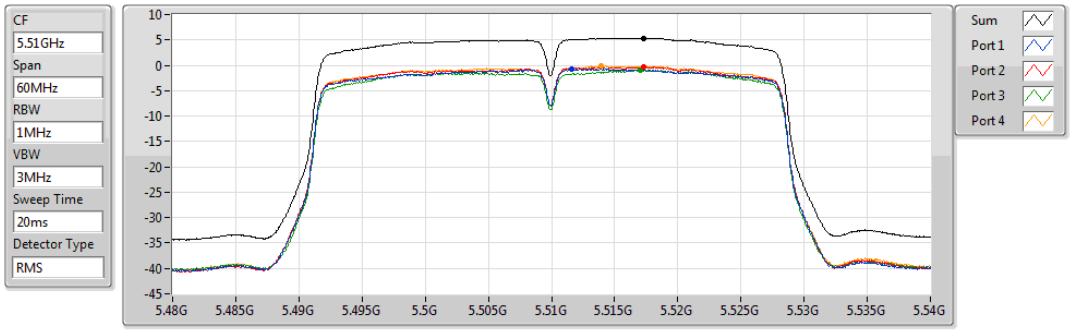
5310MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.26	5.26	-1.27	-0.68	-0.41	-0.15

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

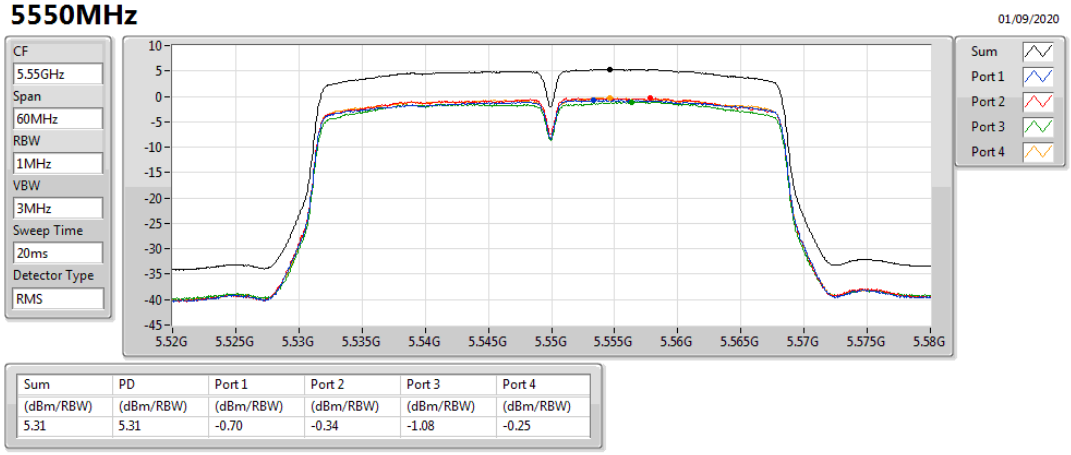
5510MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.38	5.38	-0.76	-0.33	-0.95	-0.14

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

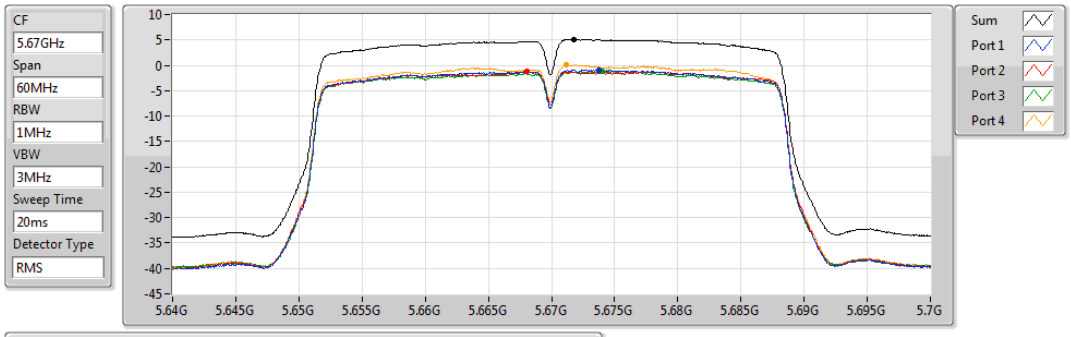
5550MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.31	5.31	-0.70	-0.34	-1.08	-0.25

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

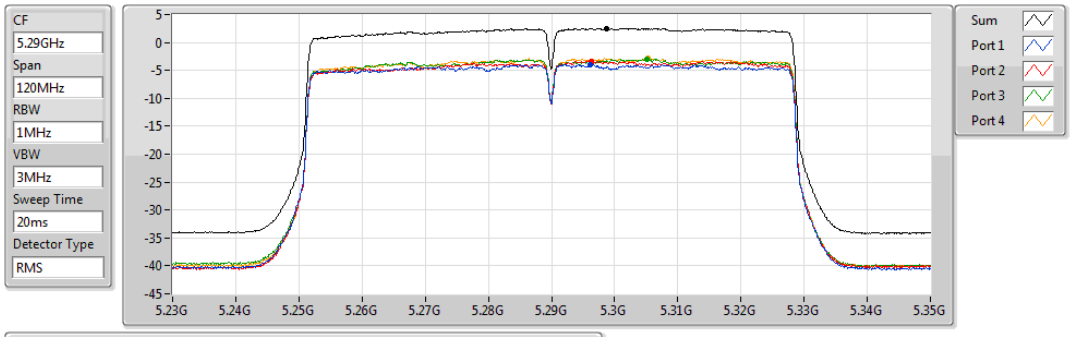
5670MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.12	5.12	-0.89	-1.26	-1.20	0.05

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

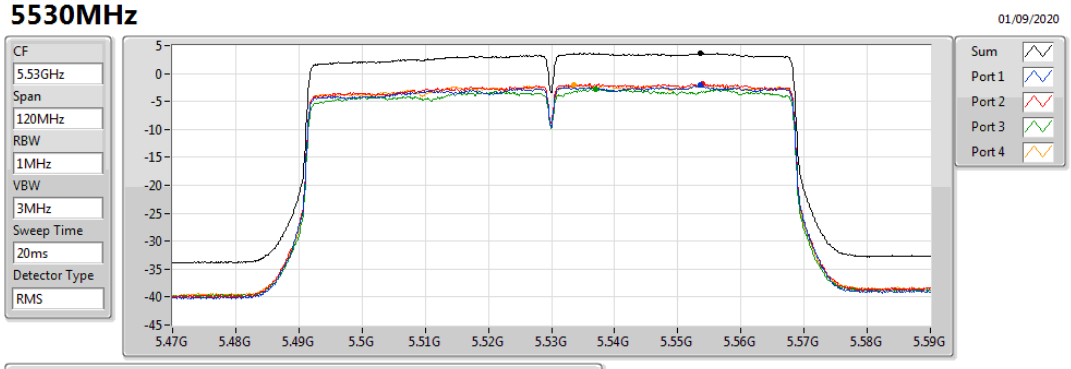
5290MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.51	2.51	-3.94	-3.38	-2.99	-2.87

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

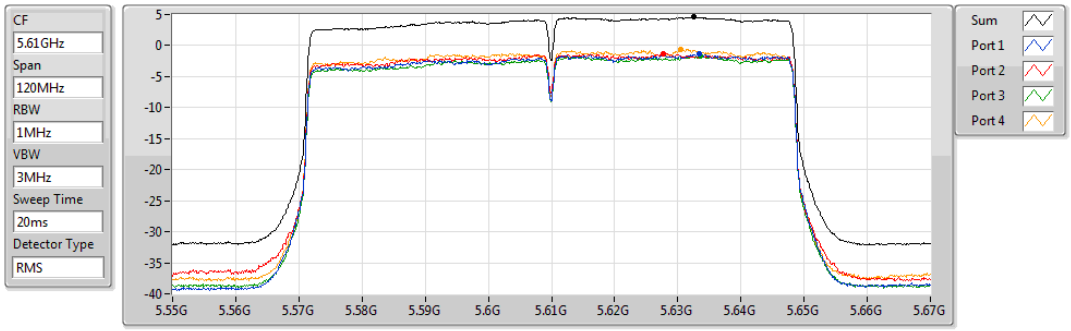
5530MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.69	3.69	-2.04	-1.78	-2.79	-2.06

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.57	4.57	-1.30	-1.33	-1.73	-0.58

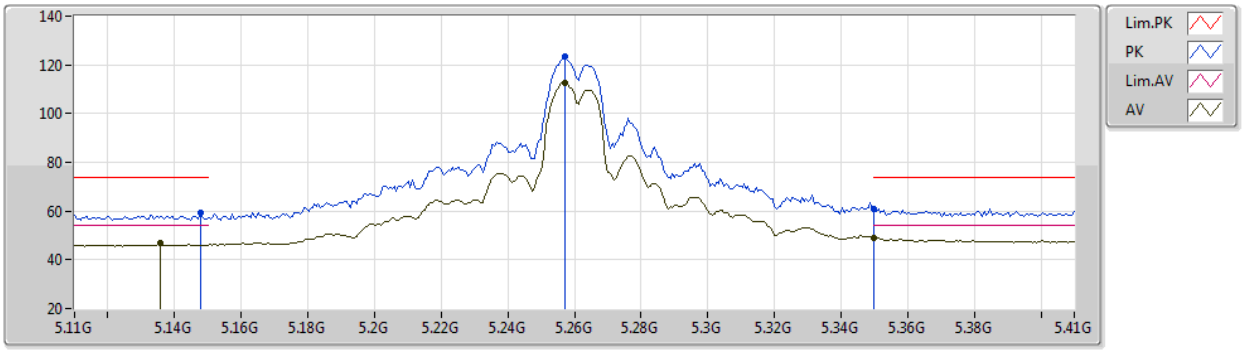
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	11.1658G	53.96	54.00	-0.04	3	Vertical	104	1.41	-

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TX

28/08/2020



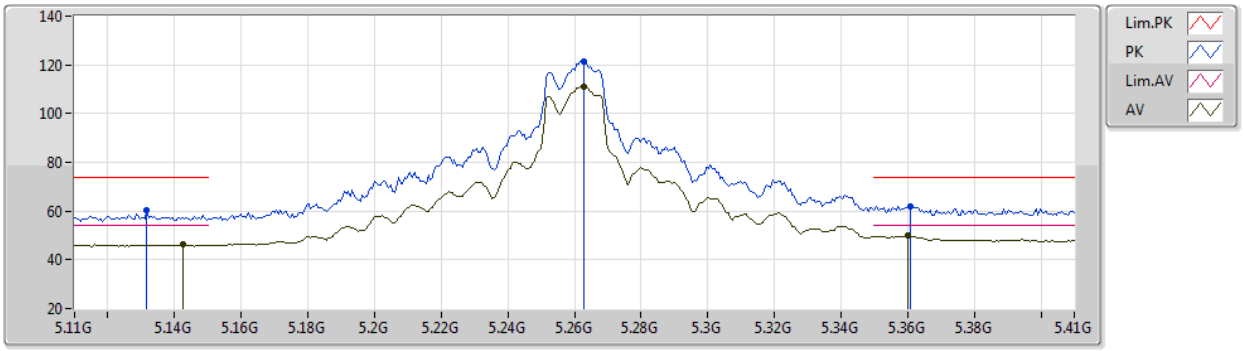
EUT Y_4TX
Setting 21.5
03-A-L-3-10

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	5.1478G	59.16	74.00	-14.84	53.84	3	Vertical	266	2.07	-	33.90	6.75	35.33
AV	5.1358G	46.80	54.00	-7.20	41.50	3	Vertical	266	2.07	-	33.90	6.74	35.34
PK	5.257G	123.28	Inf	-Inf	117.55	3	Vertical	266	2.07	-	34.03	6.91	35.21
AV	5.257G	112.60	Inf	-Inf	106.87	3	Vertical	266	2.07	-	34.03	6.91	35.21
PK	5.35G	61.00	74.00	-13.00	54.61	3	Vertical	266	2.07	-	34.40	7.10	35.11
AV	5.35G	49.20	54.00	-4.80	42.81	3	Vertical	266	2.07	-	34.40	7.10	35.11

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TX

28/08/2020



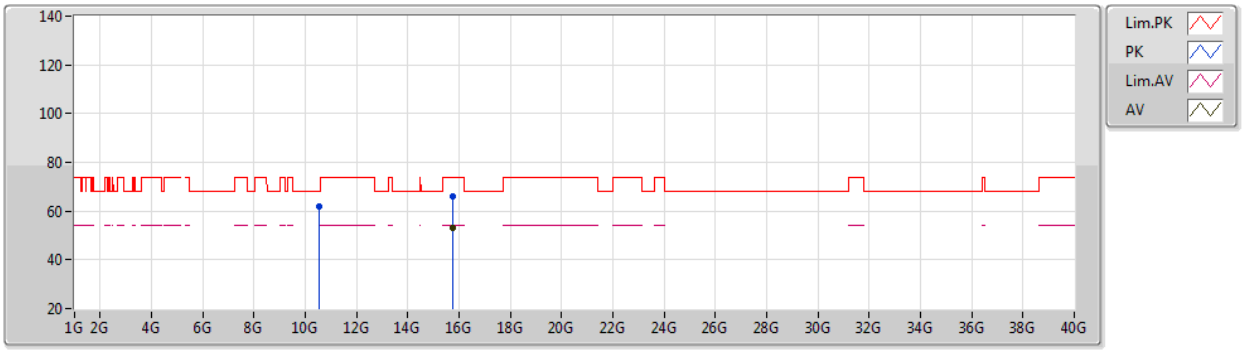
EUT Y_4TX
Setting 21.5
03-A-L-3-10

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	5.1316G	60.21	74.00	-13.79	54.93	3	Horizontal	189	1.88	-	33.90	6.73	35.35
AV	5.1424G	46.24	54.00	-7.76	40.94	3	Horizontal	189	1.88	-	33.90	6.74	35.34
PK	5.263G	121.31	Inf	-Inf	115.54	3	Horizontal	189	1.88	-	34.05	6.93	35.21
AV	5.263G	110.98	Inf	-Inf	105.21	3	Horizontal	189	1.88	-	34.05	6.93	35.21
PK	5.3608G	61.91	74.00	-12.09	55.51	3	Horizontal	189	1.88	-	34.38	7.12	35.10
AV	5.3602G	49.98	54.00	-4.02	43.58	3	Horizontal	189	1.88	-	34.38	7.12	35.10

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TX

28/08/2020



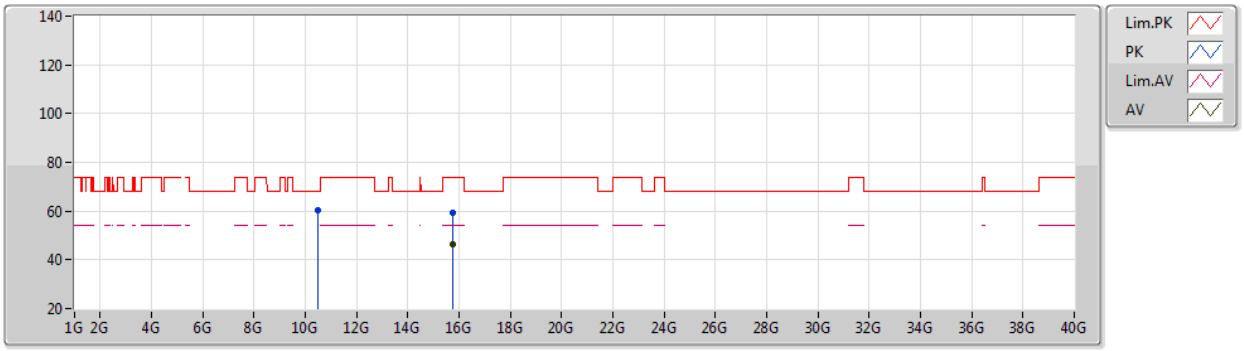
EUT Y_4TX
Setting 21.5
03-A-L-3

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	10.5302G	62.04	68.20	-6.16	48.99	3	Vertical	78	1.41	-	38.20	9.68	34.83
PK	15.7743G	65.96	74.00	-8.04	52.44	3	Vertical	129	1.72	-	37.40	11.30	35.18
AV	15.7768G	53.02	54.00	-0.98	39.51	3	Vertical	129	1.72	-	37.39	11.30	35.18

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TX

28/08/2020



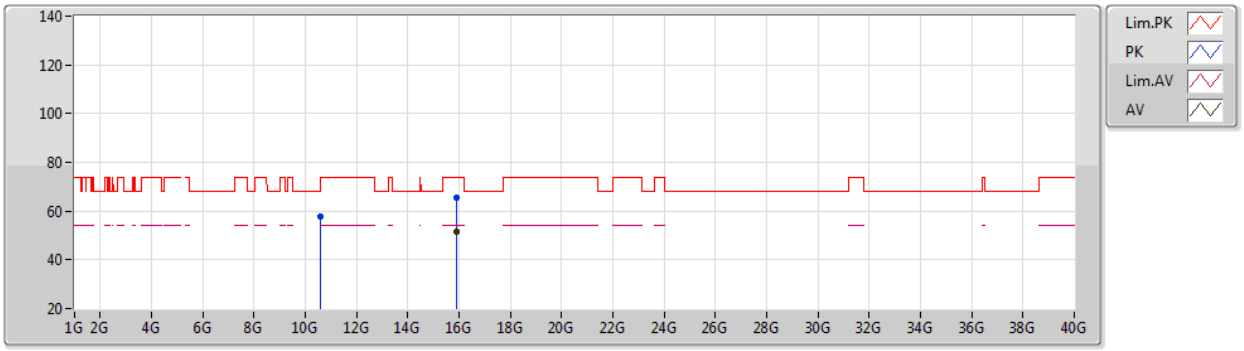
EUT Y_4TX
Setting 21.5
03-A-L-3

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	10.5163G	60.35	68.20	-7.85	47.31	3	Horizontal	305	1.87	-	38.20	9.68	34.84
PK	15.777G	59.44	74.00	-14.56	45.93	3	Horizontal	49	1.70	-	37.39	11.30	35.18
AV	15.7774G	46.46	54.00	-7.54	32.95	3	Horizontal	49	1.70	-	37.39	11.30	35.18

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TX

28/08/2020



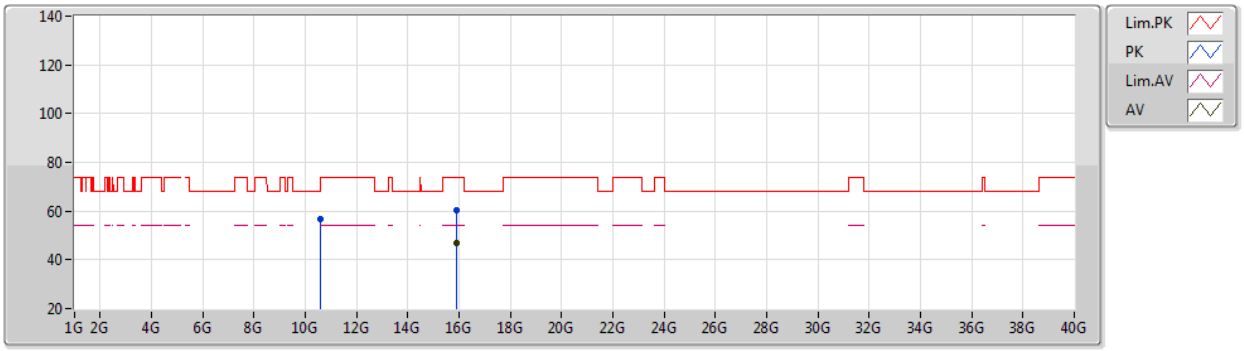
EUT Y_4TX
Setting 20.5
03-A-L-3

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	10.5932G	57.62	68.20	-10.58	44.51	3	Vertical	93	1.39	-	38.20	9.69	34.78
PK	15.90744G	65.50	74.00	-8.50	51.90	3	Vertical	130	1.71	-	37.50	11.36	35.26
AV	15.9093G	51.41	54.00	-2.59	37.81	3	Vertical	130	1.71	-	37.50	11.36	35.26

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TX

28/08/2020



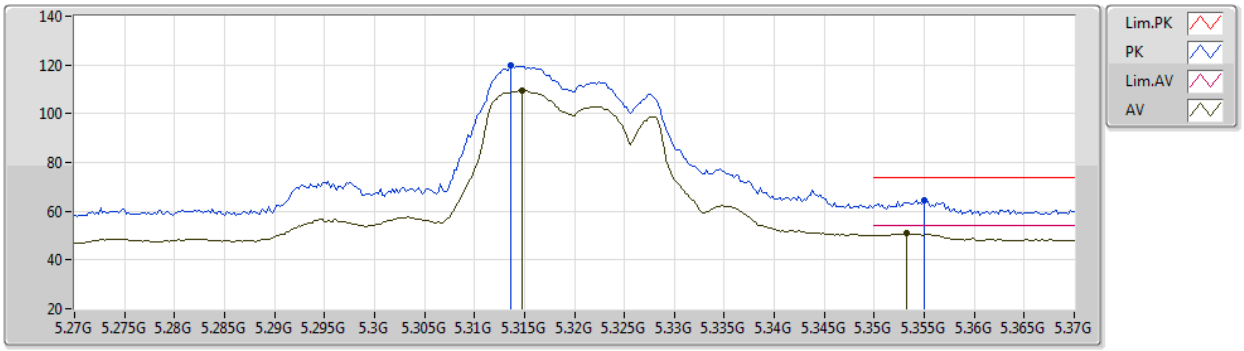
EUT Y_4TX
Setting 20.5
03-A-L-3

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	10.5941G	56.60	68.20	-11.60	43.49	3	Horizontal	215	2.19	-	38.20	9.69	34.78
PK	15.90816G	60.44	74.00	-13.56	46.84	3	Horizontal	49	2.17	-	37.50	11.36	35.26
AV	15.90948G	46.87	54.00	-7.13	33.27	3	Horizontal	49	2.17	-	37.50	11.36	35.26

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TX

28/08/2020



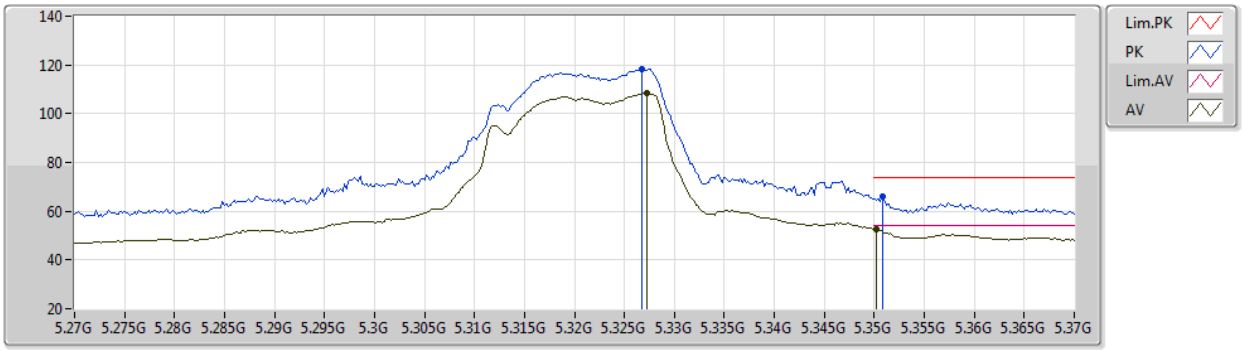
EUT Y_4TX
Setting 19.5
03-A-L-3-10

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	5.3136G	119.79	Inf	-Inf	113.66	3	Vertical	270	2.11	-	34.25	7.03	35.15
AV	5.3148G	109.58	Inf	-Inf	103.44	3	Vertical	270	2.11	-	34.26	7.03	35.15
PK	5.355G	64.38	74.00	-9.62	57.99	3	Vertical	270	2.11	-	34.39	7.11	35.11
AV	5.3532G	50.86	54.00	-3.14	44.47	3	Vertical	270	2.11	-	34.39	7.11	35.11

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TX

28/08/2020



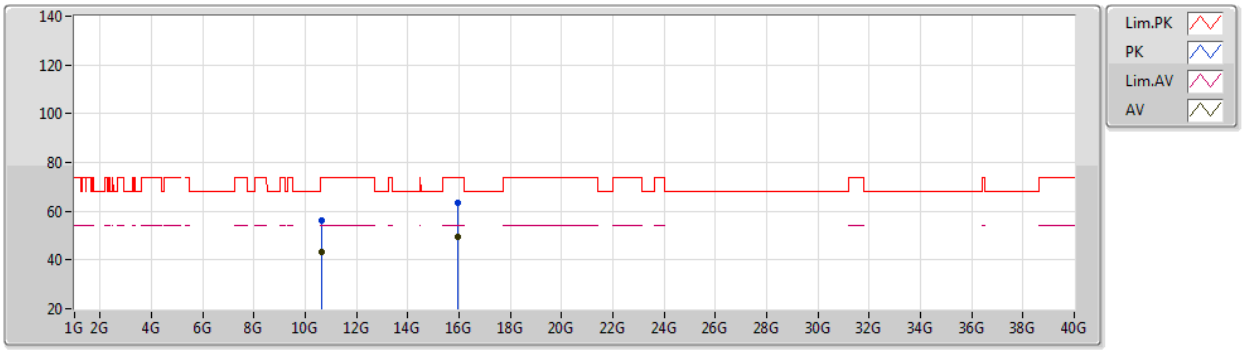
EUT Y_4TX
Setting 19.5
03-A-L-3-10

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	5.3268G	118.48	Inf	-Inf	112.26	3	Horizontal	189	2.42	-	34.31	7.05	35.14
AV	5.3272G	108.45	Inf	-Inf	102.23	3	Horizontal	189	2.42	-	34.31	7.05	35.14
PK	5.3508G	66.25	74.00	-7.75	59.86	3	Horizontal	189	2.42	-	34.40	7.10	35.11
AV	5.3502G	52.81	54.00	-1.19	46.42	3	Horizontal	189	2.42	-	34.40	7.10	35.11

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TX

28/08/2020



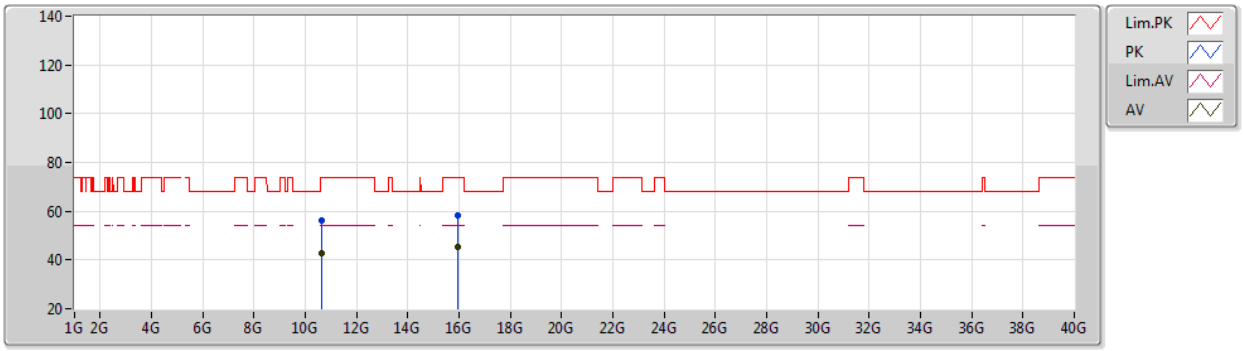
EUT Y_4TX
Setting 19.5
03-A-L-3

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	10.6451G	56.46	74.00	-17.54	43.25	3	Vertical	82	1.47	-	38.25	9.70	34.74
AV	10.64666G	43.35	54.00	-10.65	30.14	3	Vertical	82	1.47	-	38.25	9.70	34.74
PK	15.9642G	63.35	74.00	-10.65	49.77	3	Vertical	132	1.30	-	37.50	11.38	35.30
AV	15.96396G	49.62	54.00	-4.38	36.04	3	Vertical	132	1.30	-	37.50	11.38	35.30

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TX

28/08/2020



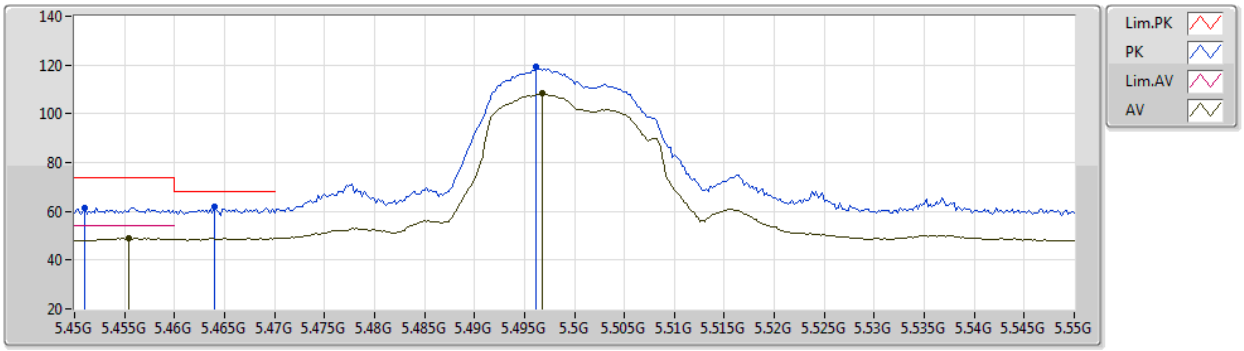
EUT Y_4TX
Setting 19.5
03-A-L-3

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	10.64978G	56.18	74.00	-17.82	42.97	3	Horizontal	306	1.89	-	38.25	9.70	34.74
AV	10.63994G	42.88	54.00	-11.12	29.69	3	Horizontal	306	1.89	-	38.24	9.70	34.75
PK	15.96108G	58.36	74.00	-15.64	44.78	3	Horizontal	151	1.47	-	37.50	11.38	35.30
AV	15.96342G	45.60	54.00	-8.40	32.02	3	Horizontal	151	1.47	-	37.50	11.38	35.30

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TX

28/08/2020



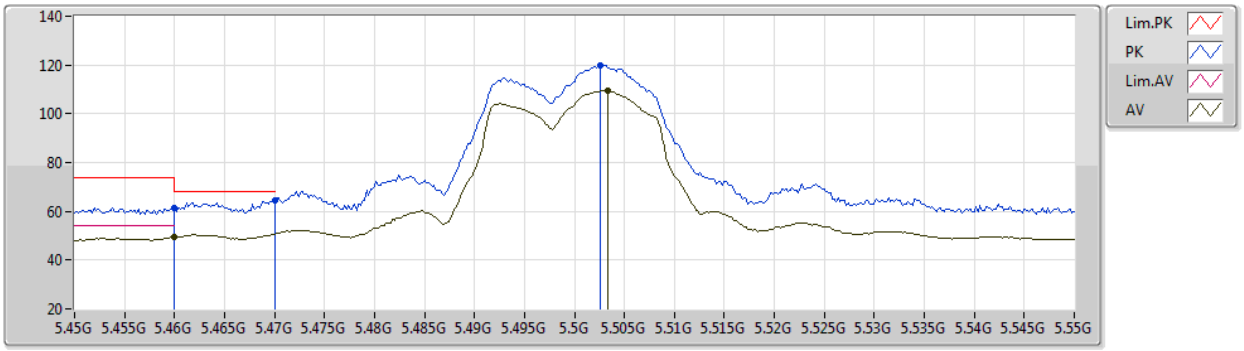
EUT Y_4TX
Setting 19.5
03-A-L-3-10

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	5.451G	61.45	74.00	-12.55	54.68	3	Vertical	269	2.09	-	34.60	7.17	35.00
AV	5.4554G	48.90	54.00	-5.10	42.15	3	Vertical	269	2.09	-	34.58	7.17	35.00
PK	5.464G	61.71	68.20	-6.49	54.99	3	Vertical	269	2.09	-	34.54	7.17	34.99
PK	5.4962G	119.21	Inf	-Inf	112.59	3	Vertical	269	2.09	-	34.42	7.15	34.95
AV	5.4968G	108.30	Inf	-Inf	101.69	3	Vertical	269	2.09	-	34.41	7.15	34.95

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TX

28/08/2020



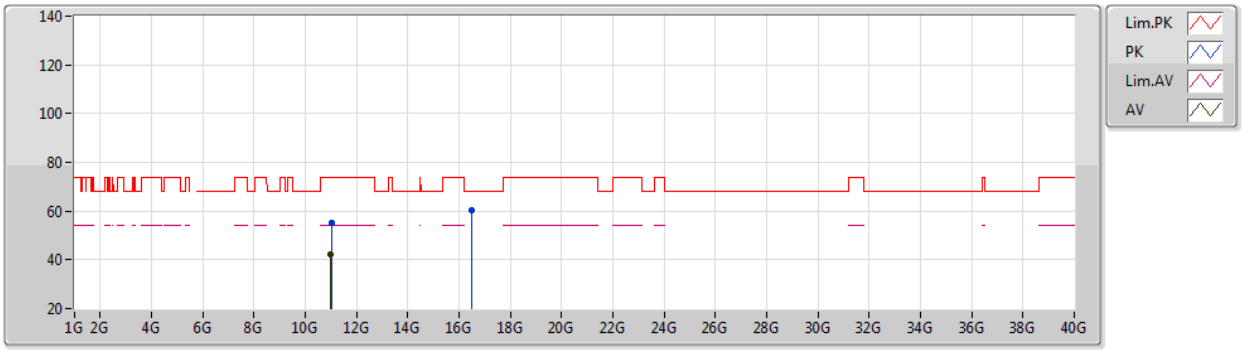
EUT Y_4TX
Setting 19.5
03-A-L-3-10

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	5.46G	61.49	74.00	-12.51	54.75	3	Horizontal	184	1.54	-	34.56	7.17	34.99
AV	5.46G	49.42	54.00	-4.58	42.68	3	Horizontal	184	1.54	-	34.56	7.17	34.99
PK	5.47G	64.23	68.20	-3.97	57.52	3	Horizontal	184	1.54	-	34.52	7.17	34.98
PK	5.5026G	120.06	Inf	-Inf	113.45	3	Horizontal	184	1.54	-	34.41	7.15	34.95
AV	5.5034G	109.54	Inf	-Inf	102.93	3	Horizontal	184	1.54	-	34.41	7.15	34.95

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TX

28/08/2020



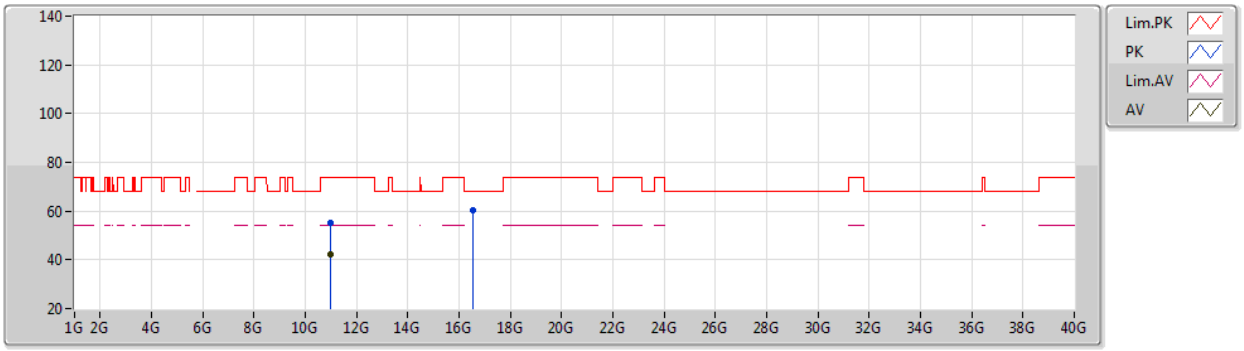
EUT Y_4TX
Setting 19.5
03-A-L-3

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	11.0106G	55.08	74.00	-18.92	41.40	3	Vertical	93	1.80	-	38.41	9.75	34.48
AV	11.0075G	42.03	54.00	-11.97	28.35	3	Vertical	93	1.80	-	38.41	9.75	34.48
PK	16.4969G	60.48	68.20	-7.72	45.80	3	Vertical	89	1.61	-	37.90	11.60	34.82

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TX

28/08/2020



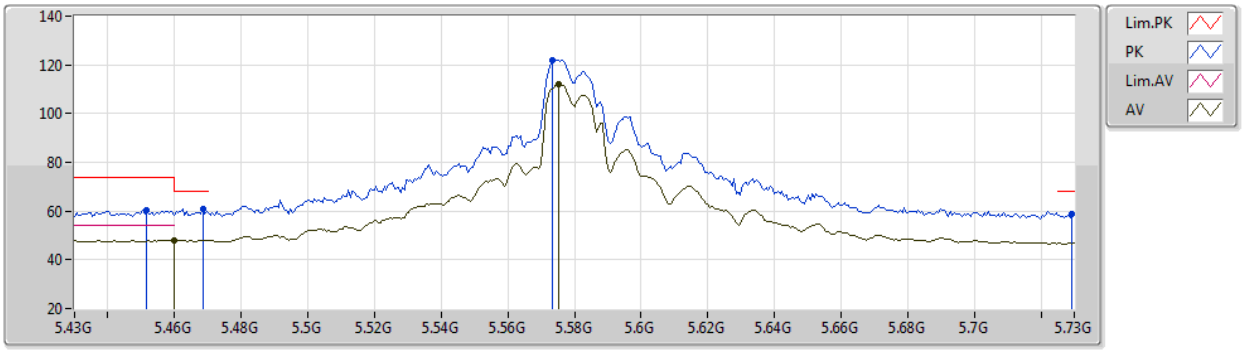
EUT Y_4TX
Setting 19.5
03-A-L-3

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	11.0016G	54.95	74.00	-19.05	41.28	3	Horizontal	311	1.93	-	38.40	9.75	34.48
AV	10.9999G	42.14	54.00	-11.86	28.47	3	Horizontal	311	1.93	-	38.40	9.75	34.48
PK	16.5211G	60.35	68.20	-7.85	45.54	3	Horizontal	55	1.78	-	38.01	11.61	34.81

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

28/08/2020



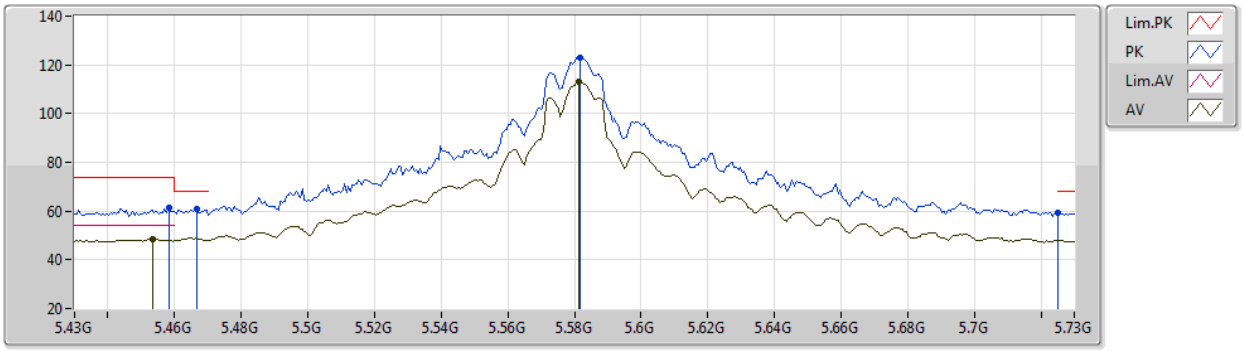
EUT Y_4TX
Setting 22.5
03-A-L-3-10

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	5.4516G	60.44	74.00	-13.56	53.68	3	Vertical	269	1.80	-	34.59	7.17	35.00
AV	5.46G	48.08	54.00	-5.92	41.34	3	Vertical	269	1.80	-	34.56	7.17	34.99
PK	5.4684G	60.64	68.20	-7.56	53.92	3	Vertical	269	1.80	-	34.53	7.17	34.98
PK	5.5734G	121.95	Inf	-Inf	115.38	3	Vertical	269	1.80	-	34.41	7.11	34.95
AV	5.5752G	112.11	Inf	-Inf	105.55	3	Vertical	269	1.80	-	34.40	7.11	34.95
PK	5.7294G	59.02	68.20	-9.18	52.60	3	Vertical	269	1.80	-	34.20	7.16	34.94

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

28/08/2020



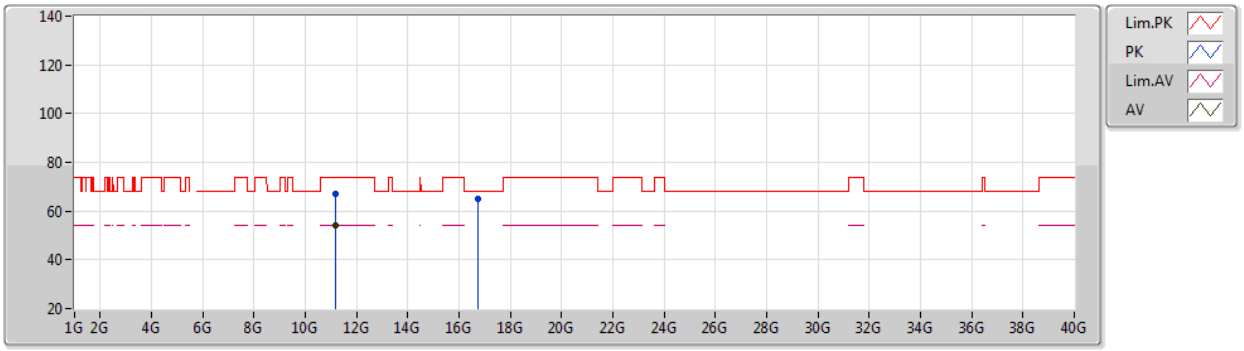
EUT Y_4TX
Setting 22.5
03-A-L-3-10

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	5.4582G	61.42	74.00	-12.58	54.68	3	Horizontal	186	1.80	-	34.57	7.17	35.00
AV	5.4534G	48.70	54.00	-5.30	41.94	3	Horizontal	186	1.80	-	34.59	7.17	35.00
PK	5.4666G	61.00	68.20	-7.20	54.29	3	Horizontal	186	1.80	-	34.53	7.17	34.99
PK	5.5818G	123.14	Inf	-Inf	116.61	3	Horizontal	186	1.80	-	34.37	7.11	34.95
AV	5.5812G	113.30	Inf	-Inf	106.76	3	Horizontal	186	1.80	-	34.38	7.11	34.95
PK	5.7252G	59.44	68.20	-8.76	53.02	3	Horizontal	186	1.80	-	34.20	7.16	34.94

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

28/08/2020



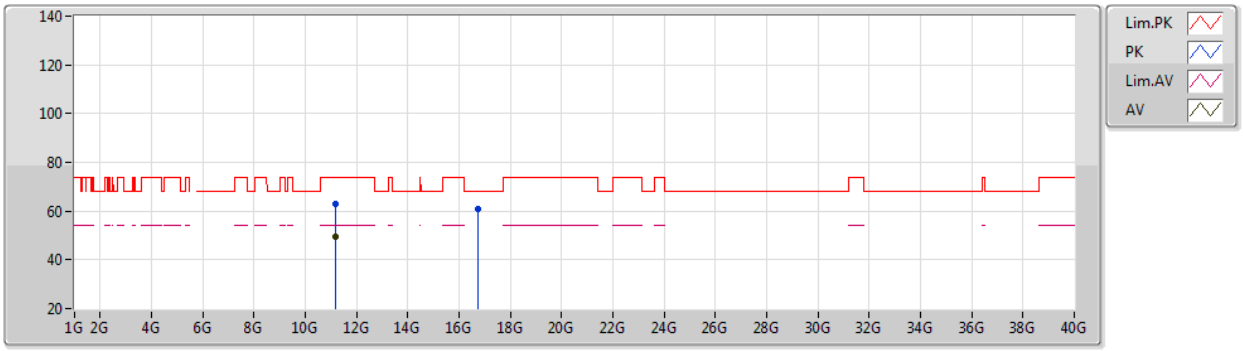
EUT Y_4TX
Setting 22.5
03-A-L-3

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	11.1659G	66.85	74.00	-7.15	53.05	3	Vertical	104	1.41	-	38.57	9.77	34.54
AV	11.1658G	53.96	54.00	-0.04	40.16	3	Vertical	104	1.41	-	38.57	9.77	34.54
PK	16.7487G	64.77	68.20	-3.43	48.83	3	Vertical	95	1.87	-	38.95	11.70	34.71

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

28/08/2020



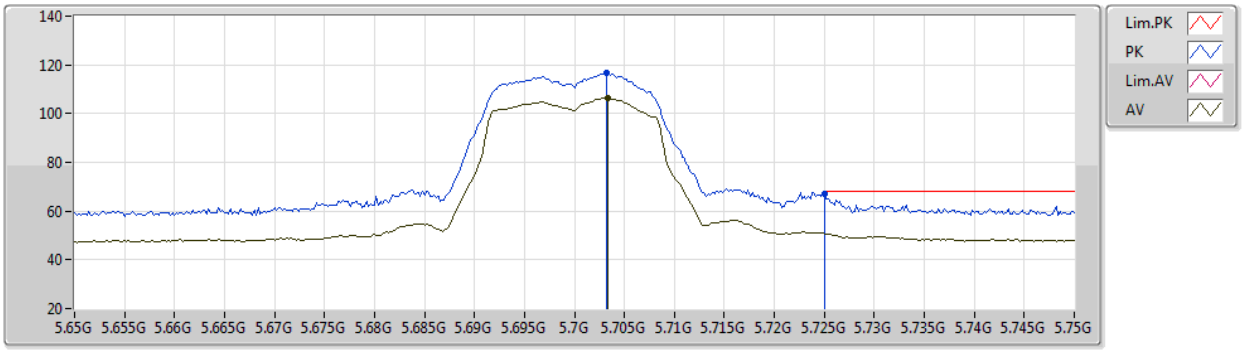
EUT Y_4TX
Setting 22.5
03-A-L-3

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	11.1613G	63.11	74.00	-10.89	49.31	3	Horizontal	315	1.79	-	38.56	9.77	34.53
AV	11.1617G	49.53	54.00	-4.47	35.73	3	Horizontal	315	1.79	-	38.56	9.77	34.53
PK	16.7503G	61.06	68.20	-7.14	45.12	3	Horizontal	245	1.59	-	38.95	11.70	34.71

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TX

28/08/2020



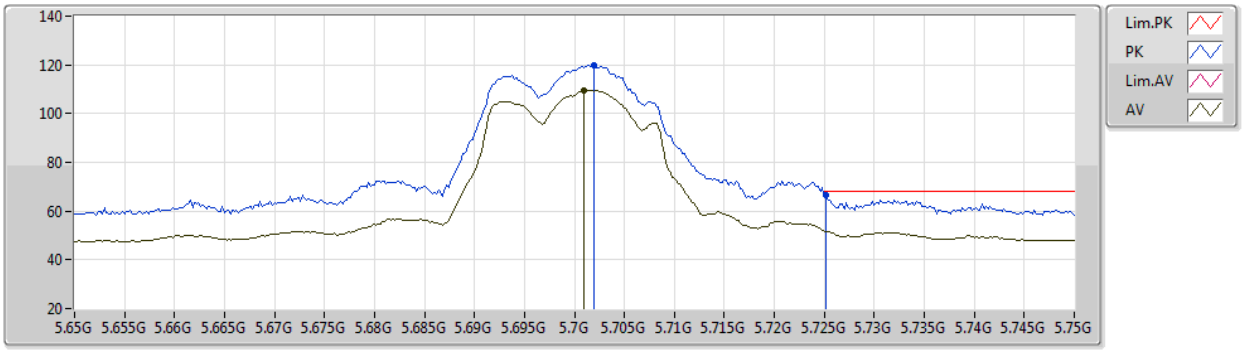
EUT Y_4TX
Setting 19.5
03-A-L-3-10

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	5.7032G	116.65	Inf	-Inf	110.24	3	Vertical	219	1.77	-	34.20	7.15	34.94
AV	5.7034G	106.58	Inf	-Inf	100.17	3	Vertical	219	1.77	-	34.20	7.15	34.94
PK	5.725G	67.13	68.20	-1.07	60.71	3	Vertical	219	1.77	-	34.20	7.16	34.94

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TX

28/08/2020



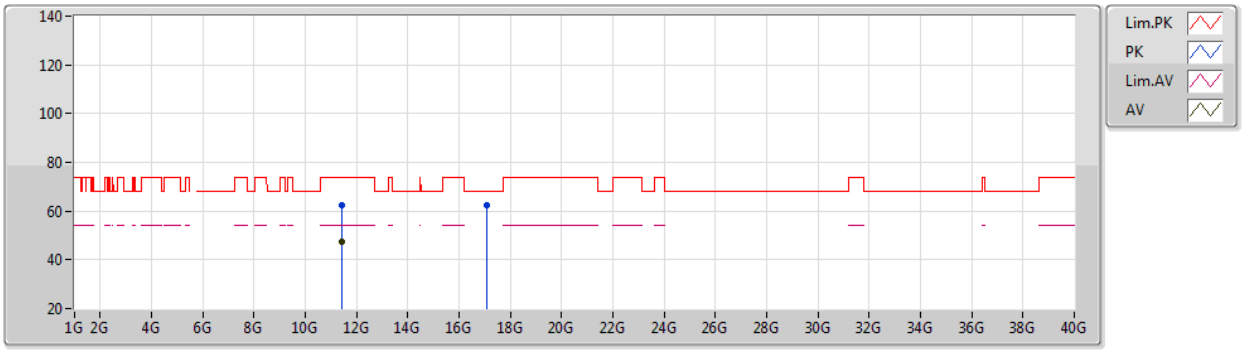
EUT Y_4TX
Setting 19.5
03-A-L-3-10

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	5.702G	119.64	Inf	-Inf	113.23	3	Horizontal	188	2.26	-	34.20	7.15	34.94
AV	5.701G	109.61	Inf	-Inf	103.20	3	Horizontal	188	2.26	-	34.20	7.15	34.94
PK	5.7252G	66.45	68.20	-1.75	60.03	3	Horizontal	188	2.26	-	34.20	7.16	34.94

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TX

28/08/2020



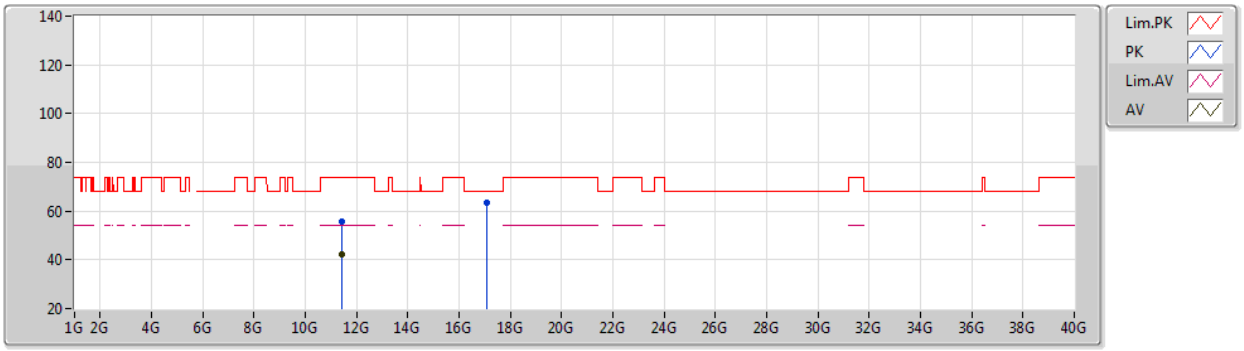
EUT Y_4TX
Setting 19.5
03-A-L-3

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	11.4072G	62.60	74.00	-11.40	48.60	3	Vertical	95	1.40	-	38.81	9.81	34.62
AV	11.408G	47.57	54.00	-6.43	33.56	3	Vertical	95	1.40	-	38.82	9.81	34.62
PK	17.0987G	62.46	68.20	-5.74	45.01	3	Vertical	318	1.80	-	40.20	11.84	34.59

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TX

28/08/2020



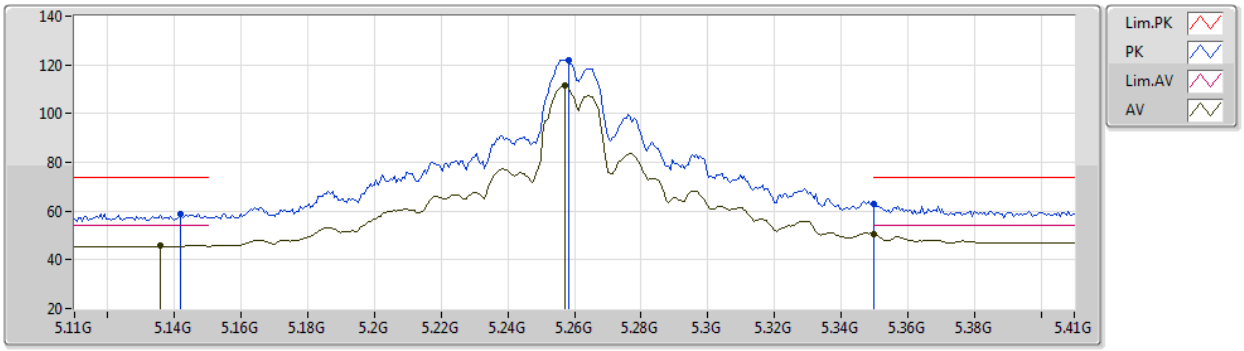
EUT Y_4TX
Setting 19.5
03-A-L-3

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	11.4071G	55.75	74.00	-18.25	41.75	3	Horizontal	118	1.58	-	38.81	9.81	34.62
AV	11.4071G	42.46	54.00	-11.54	28.46	3	Horizontal	118	1.58	-	38.81	9.81	34.62
PK	17.0865G	63.66	68.20	-4.54	46.26	3	Horizontal	307	2.85	-	40.16	11.83	34.59

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

28/08/2020



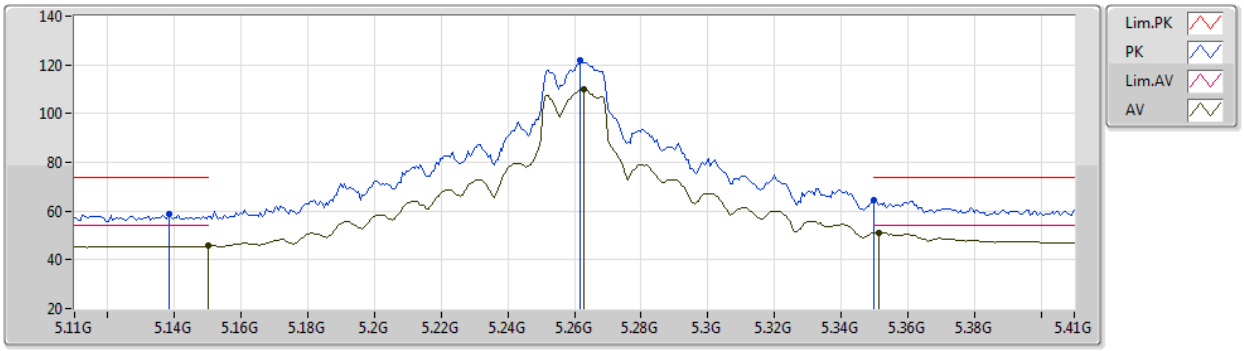
EUT Y_4TX
Setting 22
03-A-L-3-10

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	5.1418G	58.98	74.00	-15.02	53.68	3	Vertical	266	1.95	-	33.90	6.74	35.34
AV	5.1358G	46.03	54.00	-7.97	40.73	3	Vertical	266	1.95	-	33.90	6.74	35.34
PK	5.2582G	122.06	Inf	-Inf	116.32	3	Vertical	266	1.95	-	34.03	6.92	35.21
AV	5.257G	111.51	Inf	-Inf	105.78	3	Vertical	266	1.95	-	34.03	6.91	35.21
PK	5.35G	62.88	74.00	-11.12	56.49	3	Vertical	266	1.95	-	34.40	7.10	35.11
AV	5.35G	50.43	54.00	-3.57	44.04	3	Vertical	266	1.95	-	34.40	7.10	35.11

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

28/08/2020



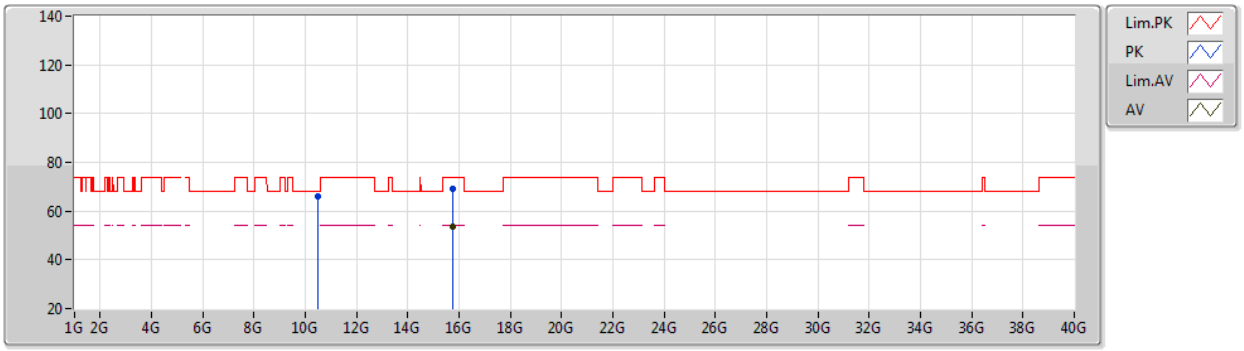
EUT Y_4TX
Setting 22
03-A-L-3-10

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	5.1382G	58.59	74.00	-15.41	53.29	3	Horizontal	188	1.86	-	33.90	6.74	35.34
AV	5.15G	45.68	54.00	-8.32	40.36	3	Horizontal	188	1.86	-	33.90	6.75	35.33
PK	5.2618G	121.76	Inf	-Inf	116.00	3	Horizontal	188	1.86	-	34.05	6.92	35.21
AV	5.263G	110.01	Inf	-Inf	104.24	3	Horizontal	188	1.86	-	34.05	6.93	35.21
PK	5.35G	64.29	74.00	-9.71	57.90	3	Horizontal	188	1.86	-	34.40	7.10	35.11
AV	5.3512G	51.12	54.00	-2.88	44.73	3	Horizontal	188	1.86	-	34.40	7.10	35.11

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

28/08/2020



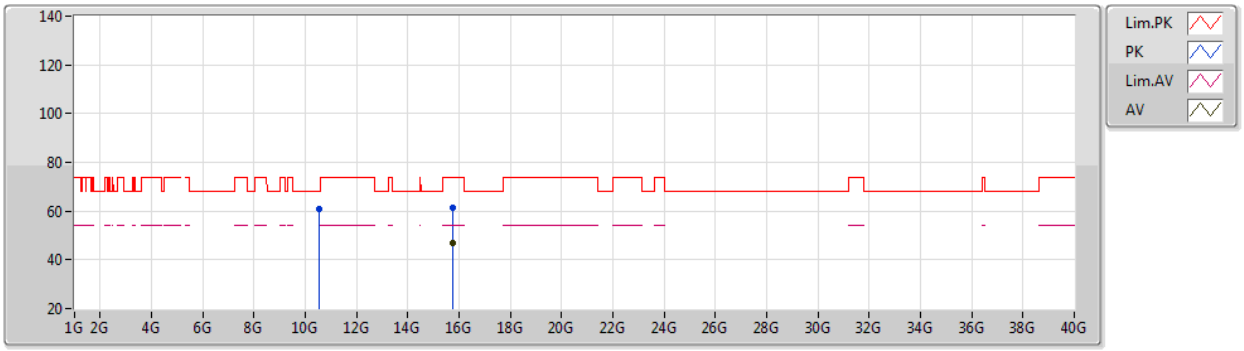
EUT Y_4TX
Setting 22
03-A-L-3

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	10.5123G	66.09	68.20	-2.11	53.05	3	Vertical	94	1.33	-	38.20	9.68	34.84
PK	15.7747G	69.16	74.00	-4.84	55.64	3	Vertical	128	1.72	-	37.40	11.30	35.18
AV	15.776G	53.42	54.00	-0.58	39.90	3	Vertical	128	1.72	-	37.40	11.30	35.18

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

28/08/2020



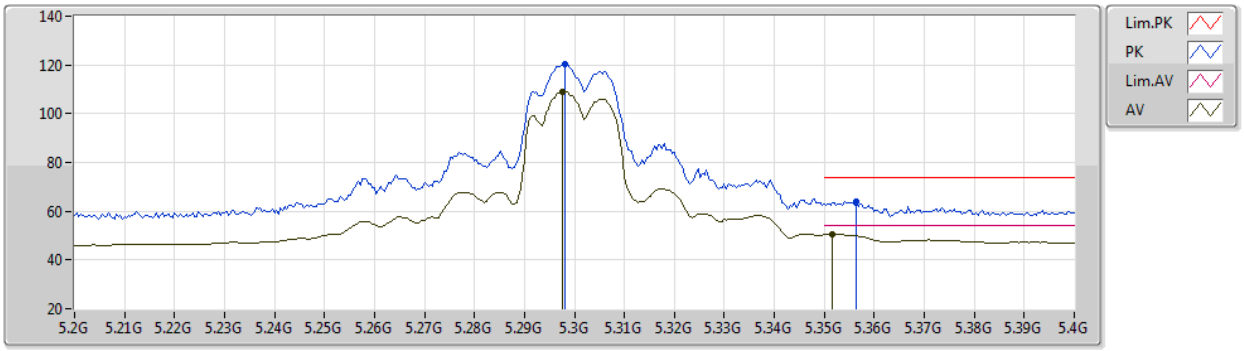
EUT Y_4TX
Setting 22
03-A-L-3

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	10.5228G	60.83	68.20	-7.37	47.78	3	Horizontal	308	1.92	-	38.20	9.68	34.83
PK	15.7777G	61.57	74.00	-12.43	48.06	3	Horizontal	44	1.75	-	37.39	11.30	35.18
AV	15.777G	47.00	54.00	-7.00	33.49	3	Horizontal	44	1.75	-	37.39	11.30	35.18

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

28/08/2020



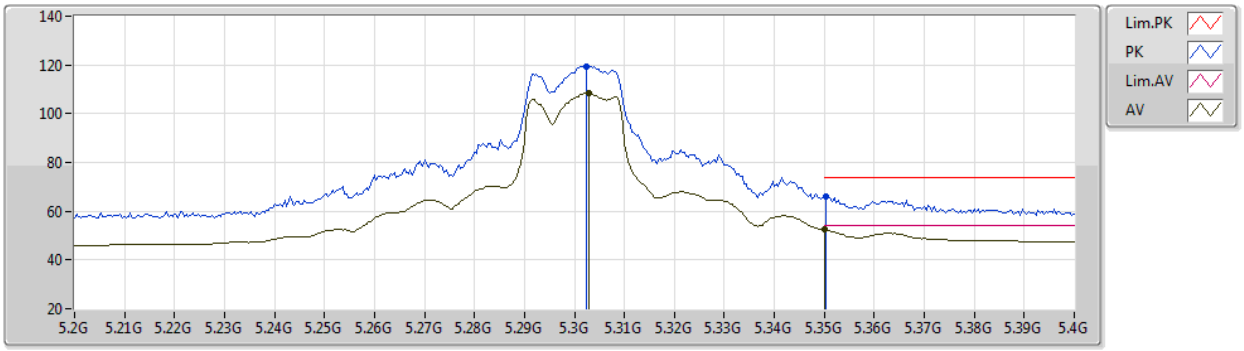
EUT Y_4TX
Setting 21
03-A-L-3-10

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	5.298G	120.22	Inf	-Inf	114.20	3	Vertical	264	1.80	-	34.19	7.00	35.17
AV	5.2976G	108.98	Inf	-Inf	102.96	3	Vertical	264	1.80	-	34.19	7.00	35.17
PK	5.3564G	63.92	74.00	-10.08	57.53	3	Vertical	264	1.80	-	34.39	7.11	35.11
AV	5.3516G	50.46	54.00	-3.54	44.07	3	Vertical	264	1.80	-	34.40	7.10	35.11

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

28/08/2020



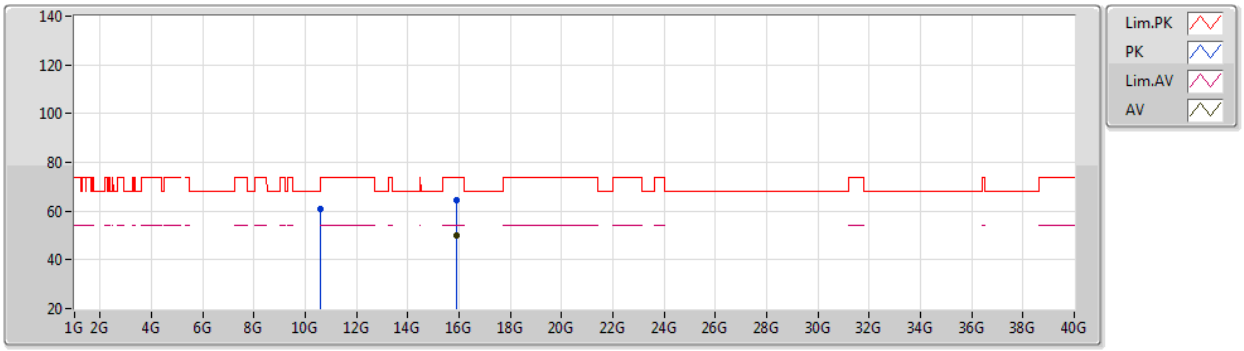
EUT Y_4TX
Setting 21
03-A-L-3-10

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	5.3024G	119.52	Inf	-Inf	113.47	3	Horizontal	184	1.94	-	34.21	7.00	35.16
AV	5.3028G	108.48	Inf	-Inf	102.42	3	Horizontal	184	1.94	-	34.21	7.01	35.16
PK	5.3504G	66.22	74.00	-7.78	59.83	3	Horizontal	184	1.94	-	34.40	7.10	35.11
AV	5.35G	52.37	54.00	-1.63	45.98	3	Horizontal	184	1.94	-	34.40	7.10	35.11

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

28/08/2020



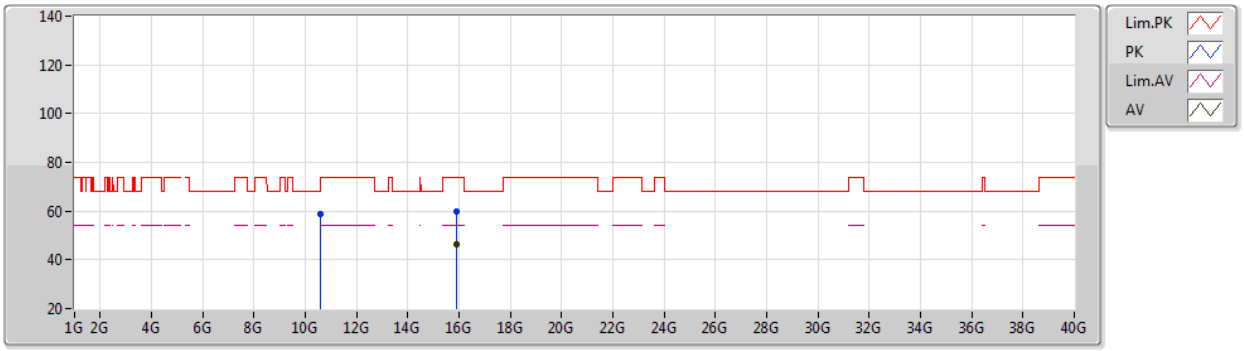
EUT Y_4TX
Setting 21
03-A-L-3

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	10.5918G	60.77	68.20	-7.43	47.66	3	Vertical	91	1.46	-	38.20	9.69	34.78
PK	15.9112G	64.56	74.00	-9.44	50.96	3	Vertical	107	1.72	-	37.50	11.36	35.26
AV	15.9107G	49.86	54.00	-4.14	36.26	3	Vertical	107	1.72	-	37.50	11.36	35.26

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

28/08/2020



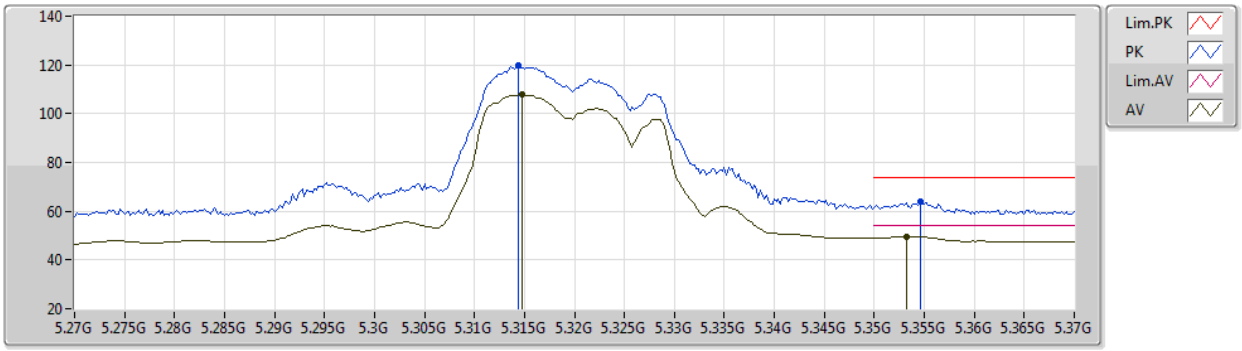
EUT Y_4TX
Setting 21
03-A-L-3

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	10.5978G	58.70	68.20	-9.50	45.59	3	Horizontal	213	2.20	-	38.20	9.69	34.78
PK	15.9095G	59.98	74.00	-14.02	46.38	3	Horizontal	51	1.70	-	37.50	11.36	35.26
AV	15.9084G	46.19	54.00	-7.81	32.59	3	Horizontal	51	1.70	-	37.50	11.36	35.26

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX

28/08/2020



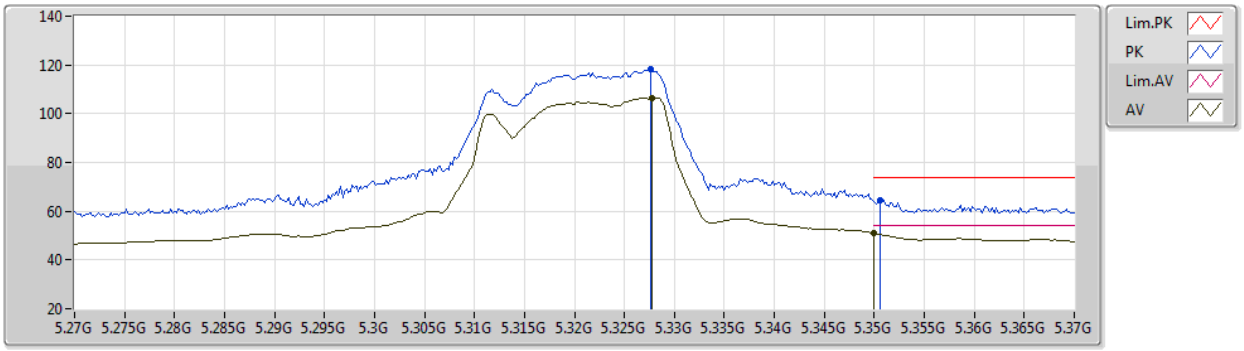
EUT Y_4TX
Setting 19.5
03-A-L-3-10

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	5.3144G	119.63	Inf	-Inf	113.49	3	Vertical	270	2.01	-	34.26	7.03	35.15
AV	5.3148G	108.12	Inf	-Inf	101.98	3	Vertical	270	2.01	-	34.26	7.03	35.15
PK	5.3546G	64.05	74.00	-9.95	57.66	3	Vertical	270	2.01	-	34.39	7.11	35.11
AV	5.3532G	49.51	54.00	-4.49	43.12	3	Vertical	270	2.01	-	34.39	7.11	35.11

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX

28/08/2020



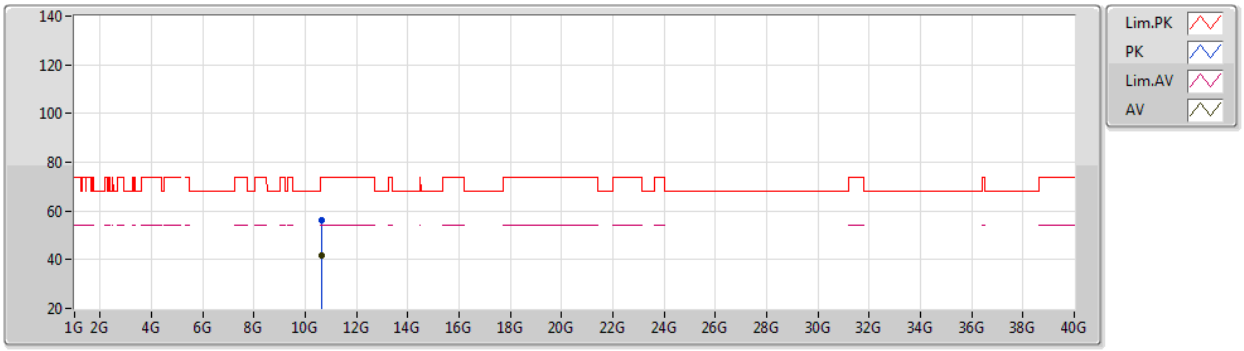
EUT Y_4TX
Setting 19.5
03-A-L-3-10

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	5.3276G	118.25	Inf	-Inf	112.02	3	Horizontal	187	2.04	-	34.31	7.06	35.14
AV	5.3278G	106.56	Inf	-Inf	100.33	3	Horizontal	187	2.04	-	34.31	7.06	35.14
PK	5.3506G	64.73	74.00	-9.27	58.34	3	Horizontal	187	2.04	-	34.40	7.10	35.11
AV	5.35G	50.87	54.00	-3.13	44.48	3	Horizontal	187	2.04	-	34.40	7.10	35.11

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX

28/08/2020



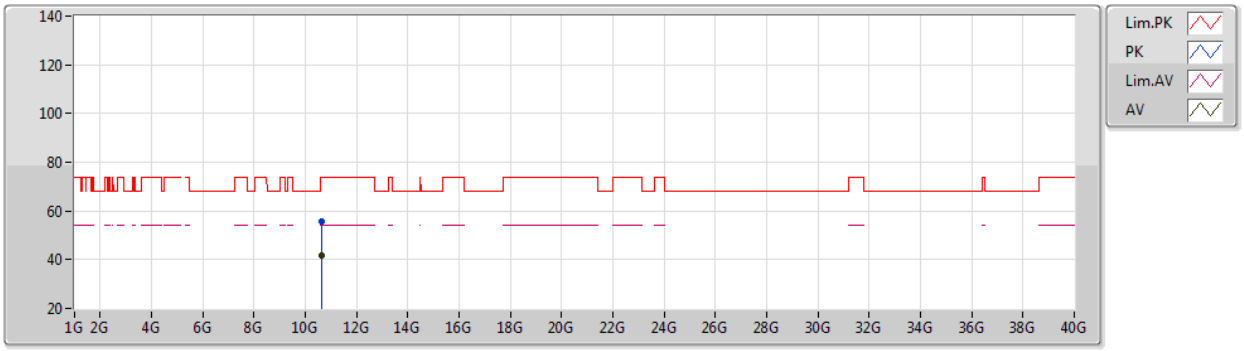
EUT Y_4TX
Setting 19.5
03-A-L-3

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	10.65G	56.28	74.00	-17.72	43.07	3	Vertical	284	1.80	-	38.25	9.70	34.74
AV	10.6486G	41.77	54.00	-12.23	28.56	3	Vertical	284	1.80	-	38.25	9.70	34.74

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX

28/08/2020



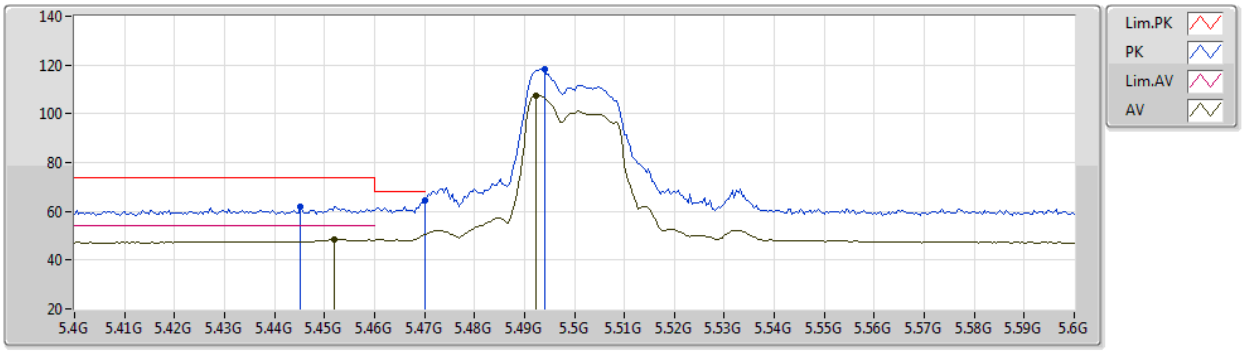
EUT Y_4TX
Setting 19.5
03-A-L-3

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	10.6439G	55.91	74.00	-18.09	42.71	3	Horizontal	314	1.93	-	38.24	9.70	34.74
AV	10.6373G	41.85	54.00	-12.15	28.66	3	Horizontal	314	1.93	-	38.24	9.70	34.75

802.11ac VHT20_Nss1,(MCS0)_4TX

28/08/2020

5500MHz_TX



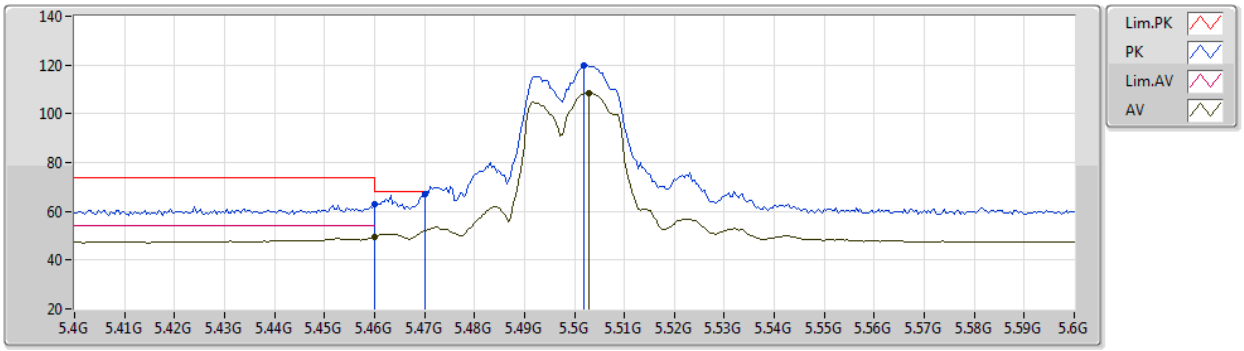
EUT Y_4TX
Setting 19.5
03-A-J-7-10

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	5.4452G	61.94	74.00	-12.06	55.20	3	Vertical	333	1.58	-	34.57	7.18	35.01
AV	5.452G	48.65	54.00	-5.35	41.89	3	Vertical	333	1.58	-	34.59	7.17	35.00
PK	5.47G	64.32	68.20	-3.88	57.61	3	Vertical	333	1.58	-	34.52	7.17	34.98
PK	5.494G	118.21	Inf	-Inf	111.60	3	Vertical	333	1.58	-	34.42	7.15	34.96
AV	5.4924G	107.40	Inf	-Inf	100.78	3	Vertical	333	1.58	-	34.43	7.15	34.96

802.11ac VHT20_Nss1,(MCS0)_4TX

5500MHz_TX

28/08/2020



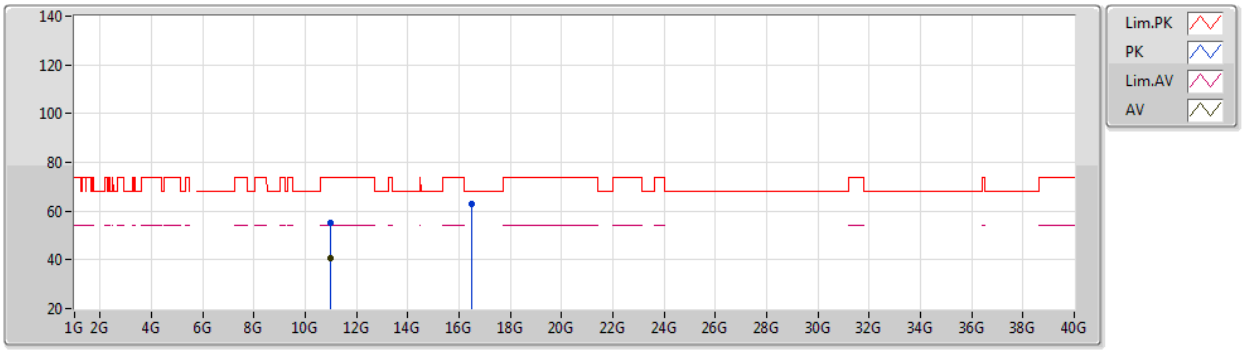
EUT Y_4TX
Setting 19.5
03-A-J-7-10

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	5.46G	63.08	74.00	-10.92	56.34	3	Horizontal	187	1.53	-	34.56	7.17	34.99
AV	5.46G	49.73	54.00	-4.27	42.99	3	Horizontal	187	1.53	-	34.56	7.17	34.99
PK	5.47G	67.30	68.20	-0.90	60.59	3	Horizontal	187	1.53	-	34.52	7.17	34.98
PK	5.502G	119.94	Inf	-Inf	113.34	3	Horizontal	187	1.53	-	34.40	7.15	34.95
AV	5.5028G	108.66	Inf	-Inf	102.05	3	Horizontal	187	1.53	-	34.41	7.15	34.95

802.11ac VHT20_Nss1,(MCS0)_4TX

5500MHz_TX

28/08/2020



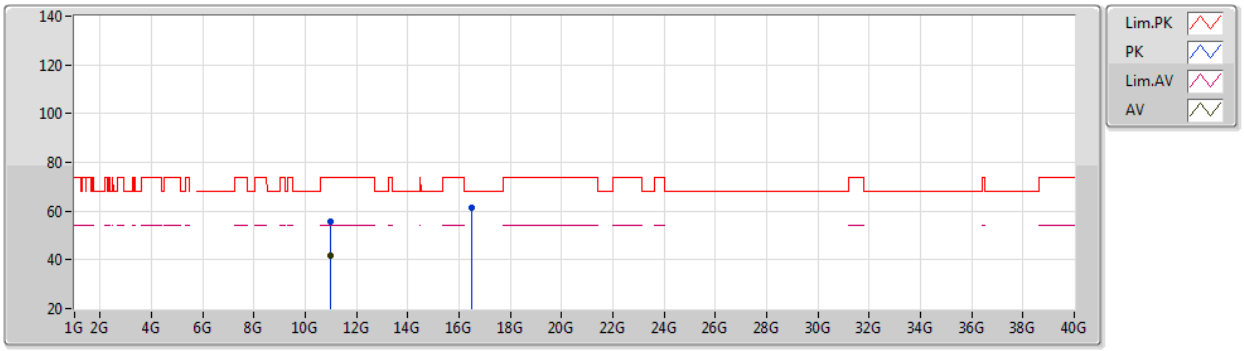
EUT Y_4TX
Setting 19.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.00066G	55.04	74.00	-18.96	41.37	3	Vertical	26	1.41	-	38.40	9.75	34.48
AV	10.99976G	40.55	54.00	-13.45	26.88	3	Vertical	26	1.41	-	38.40	9.75	34.48
PK	16.49904G	63.17	68.20	-5.03	48.49	3	Vertical	93	1.89	-	37.90	11.60	34.82

802.11ac VHT20_Nss1,(MCS0)_4TX

5500MHz_TX

28/08/2020



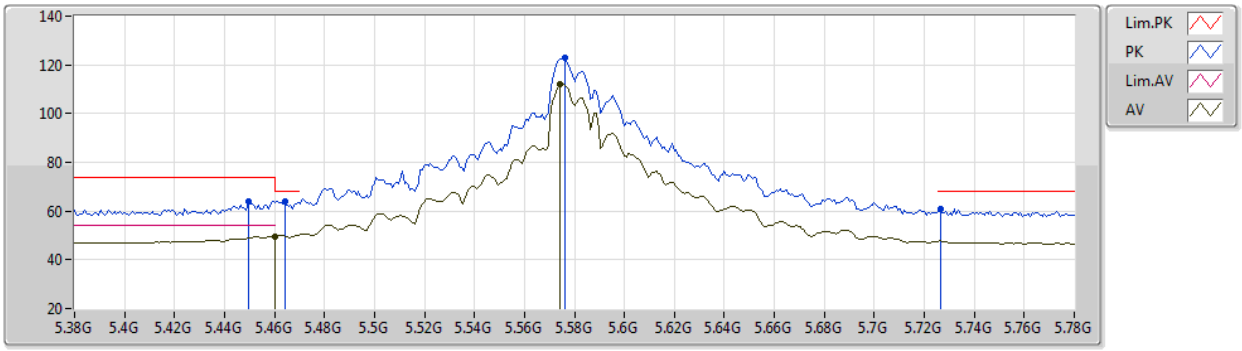
EUT Y_4TX
Setting 19.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.99968G	55.52	74.00	-18.48	41.85	3	Horizontal	315	1.69	-	38.40	9.75	34.48
AV	10.99992G	41.89	54.00	-12.11	28.22	3	Horizontal	315	1.69	-	38.40	9.75	34.48
PK	16.50232G	61.18	68.20	-7.02	46.49	3	Horizontal	231	2.17	-	37.91	11.60	34.82

802.11ac VHT20_Nss1,(MCS0)_4TX

28/08/2020

5580MHz_TX



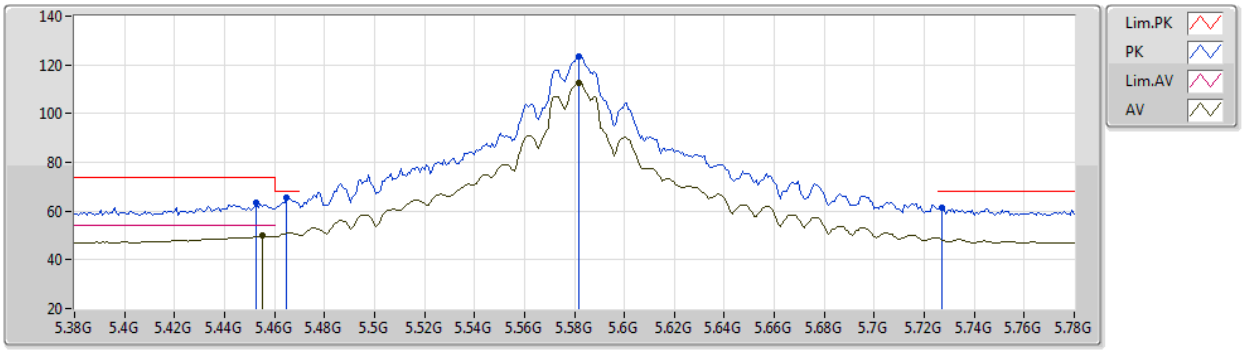
EUT Y_4TX
Setting 23
03-A-J-7-10

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	5.4496G	63.89	74.00	-10.11	57.11	3	Vertical	270	1.79	-	34.60	7.18	35.00
PK	5.464G	63.88	68.20	-4.32	57.16	3	Vertical	270	1.79	-	34.54	7.17	34.99
AV	5.46G	49.58	54.00	-4.42	42.84	3	Vertical	270	1.79	-	34.56	7.17	34.99
PK	5.576G	123.09	Inf	-Inf	116.53	3	Vertical	270	1.79	-	34.40	7.11	34.95
AV	5.5744G	111.91	Inf	-Inf	105.35	3	Vertical	270	1.79	-	34.40	7.11	34.95
PK	5.7264G	60.62	68.20	-7.58	54.20	3	Vertical	270	1.79	-	34.20	7.16	34.94

802.11ac VHT20_Nss1,(MCS0)_4TX

28/08/2020

5580MHz_TX



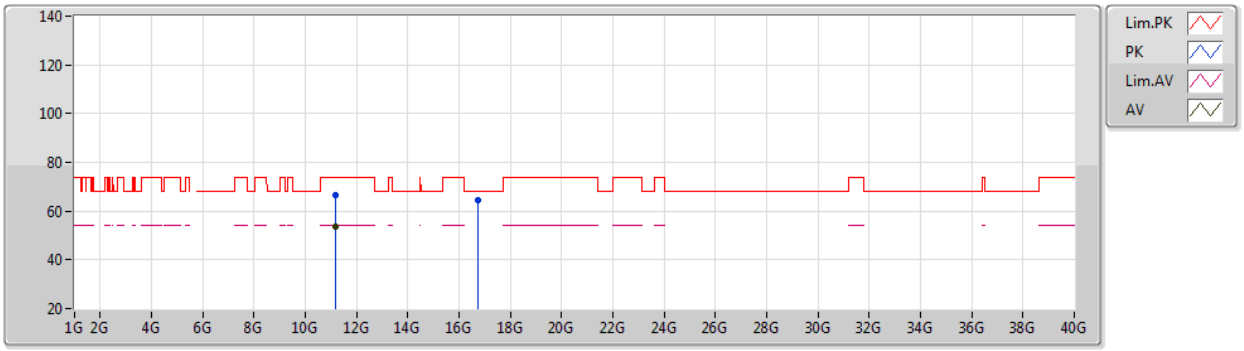
EUT Y_4TX
Setting 23
03-A-J-7-10

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	5.4528G	63.27	74.00	-10.73	56.51	3	Horizontal	184	1.80	-	34.59	7.17	35.00
AV	5.4552G	49.81	54.00	-4.19	43.06	3	Horizontal	184	1.80	-	34.58	7.17	35.00
PK	5.4648G	65.65	68.20	-2.55	58.93	3	Horizontal	184	1.80	-	34.54	7.17	34.99
PK	5.5816G	123.53	Inf	-Inf	117.00	3	Horizontal	184	1.80	-	34.37	7.11	34.95
AV	5.5816G	112.67	Inf	-Inf	106.14	3	Horizontal	184	1.80	-	34.37	7.11	34.95
PK	5.7272G	61.31	68.20	-6.89	54.89	3	Horizontal	184	1.80	-	34.20	7.16	34.94

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

28/08/2020



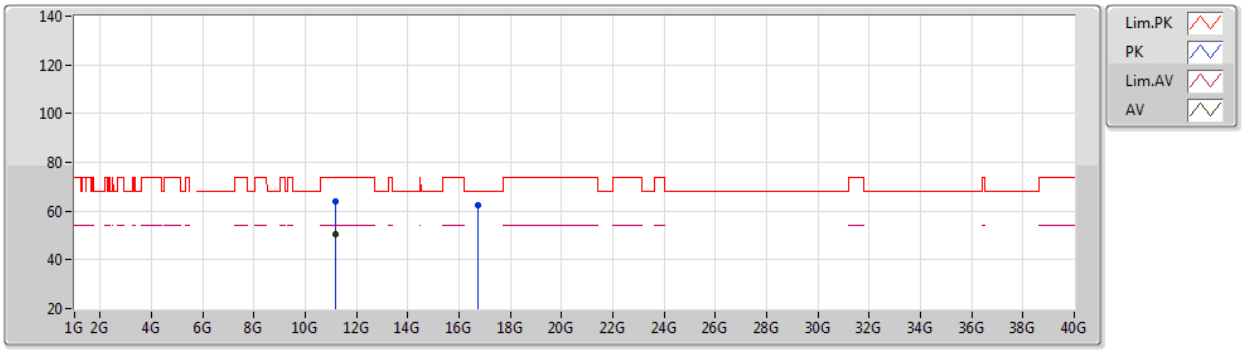
EUT Y_4TX
Setting 23
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.1655G	66.47	74.00	-7.53	52.67	3	Vertical	97	1.80	-	38.57	9.77	34.54
AV	11.1652G	53.53	54.00	-0.47	39.73	3	Vertical	97	1.80	-	38.57	9.77	34.54
PK	16.7504G	64.70	68.20	-3.50	48.76	3	Vertical	94	1.79	-	38.95	11.70	34.71

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

28/08/2020



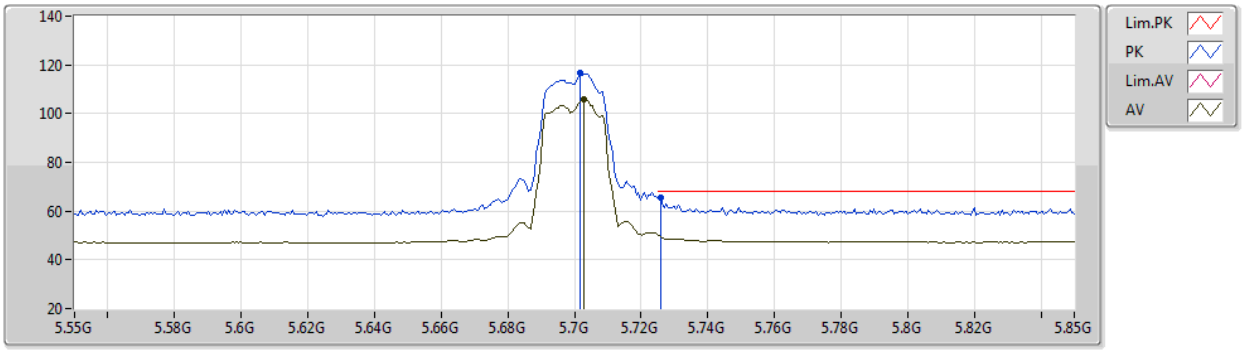
EUT Y_4TX
Setting 23
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.1629G	63.93	74.00	-10.07	50.14	3	Horizontal	315	1.87	-	38.56	9.77	34.54
AV	11.1652G	50.28	54.00	-3.72	36.48	3	Horizontal	315	1.87	-	38.57	9.77	34.54
PK	16.7532G	62.31	68.20	-5.89	46.36	3	Horizontal	235	2.58	-	38.96	11.70	34.71

802.11ac VHT20_Nss1,(MCS0)_4TX

5700MHz_TX

28/08/2020



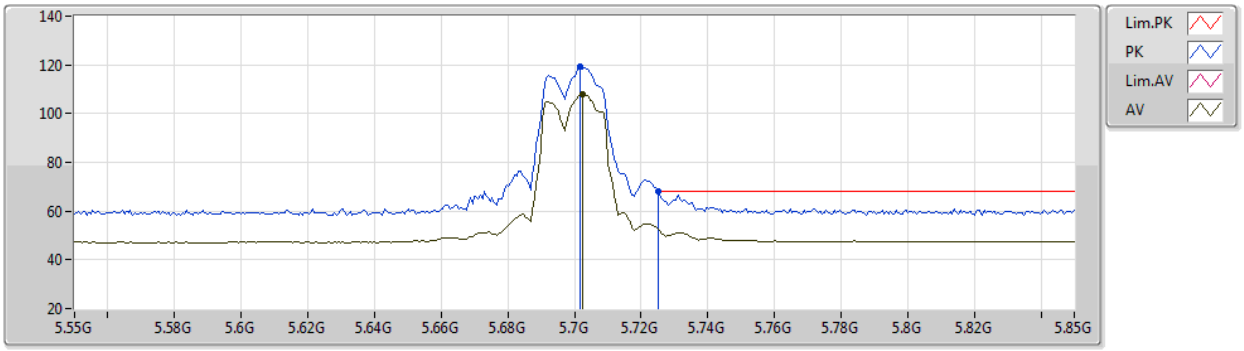
EUT Y_4TX
Setting 19.5
03-A-J-7-10

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	5.7018G	116.52	Inf	-Inf	110.11	3	Vertical	221	1.77	-	34.20	7.15	34.94
AV	5.703G	105.76	Inf	-Inf	99.35	3	Vertical	221	1.77	-	34.20	7.15	34.94
PK	5.7258G	65.42	68.20	-2.78	59.00	3	Vertical	221	1.77	-	34.20	7.16	34.94

802.11ac VHT20_Nss1,(MCS0)_4TX

5700MHz_TX

28/08/2020



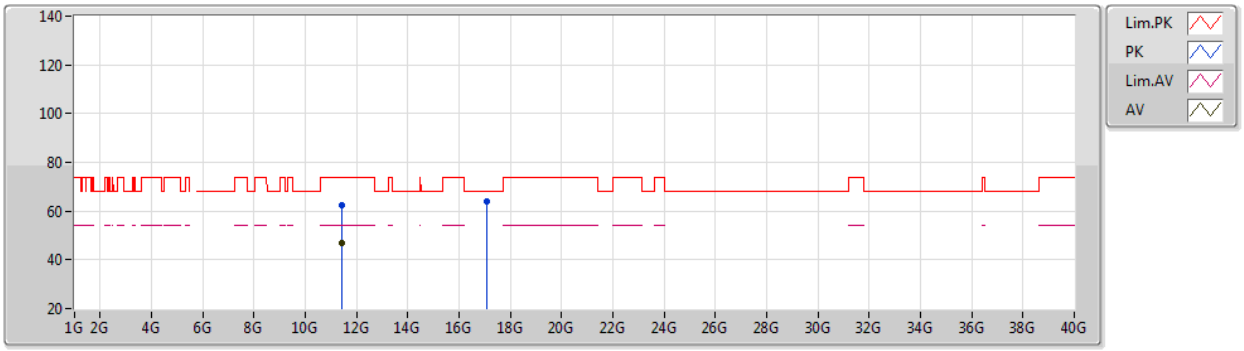
EUT Y_4TX
Setting 19.5
03-A-J-7-10

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	5.7018G	119.39	Inf	-Inf	112.98	3	Horizontal	185	1.50	-	34.20	7.15	34.94
AV	5.7024G	108.07	Inf	-Inf	101.66	3	Horizontal	185	1.50	-	34.20	7.15	34.94
PK	5.7252G	67.95	68.20	-0.25	61.53	3	Horizontal	185	1.50	-	34.20	7.16	34.94

802.11ac VHT20_Nss1,(MCS0)_4TX

5700MHz_TX

28/08/2020



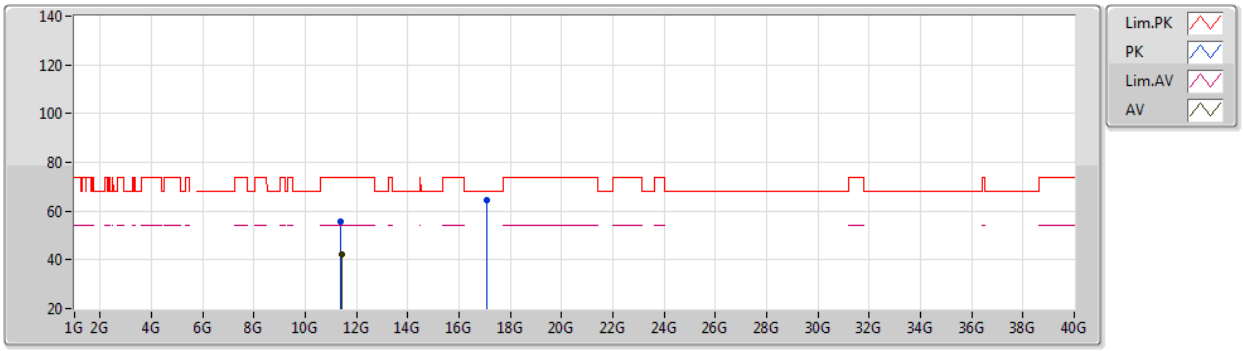
EUT Y_4TX
Setting 19.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.40864G	62.38	74.00	-11.62	48.37	3	Vertical	96	1.31	-	38.82	9.81	34.62
AV	11.40824G	46.77	54.00	-7.23	32.76	3	Vertical	96	1.31	-	38.82	9.81	34.62
PK	17.0952G	63.89	68.20	-4.31	46.45	3	Vertical	225	3.00	-	40.19	11.84	34.59

802.11ac VHT20_Nss1,(MCS0)_4TX

5700MHz_TX

28/08/2020



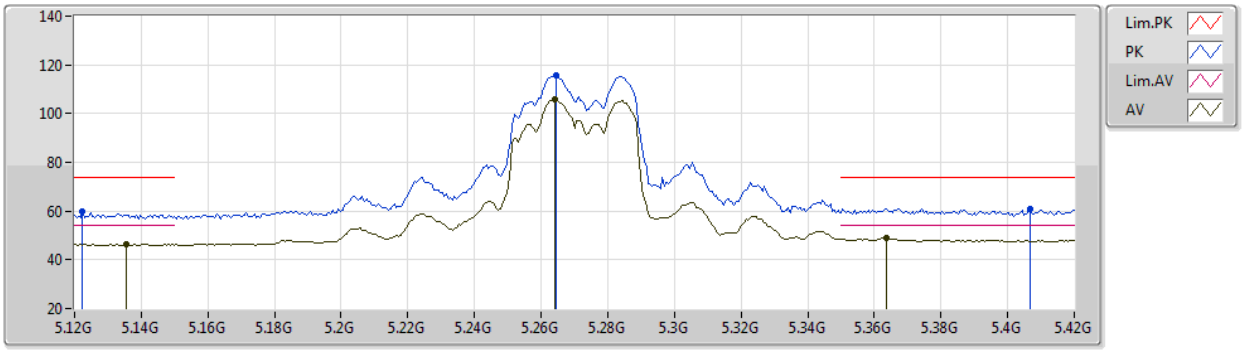
EUT Y_4TX
Setting 19.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.38848G	55.82	74.00	-18.18	41.84	3	Horizontal	207	1.79	-	38.78	9.81	34.61
AV	11.40816G	42.05	54.00	-11.95	28.04	3	Horizontal	207	1.79	-	38.82	9.81	34.62
PK	17.096G	64.72	68.20	-3.48	47.28	3	Horizontal	119	2.41	-	40.19	11.84	34.59

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_TX

28/08/2020



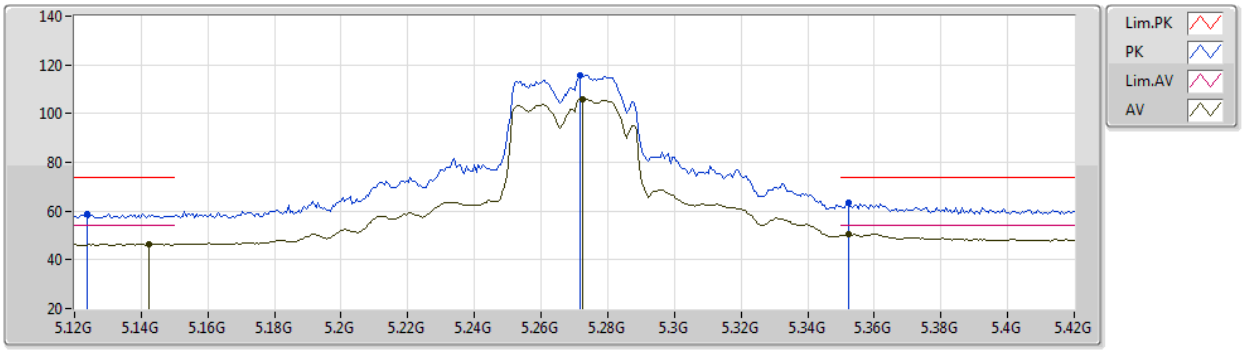
EUT Y_4TX
Setting 19.5
03-A-J-7-10

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	5.1224G	59.87	74.00	-14.13	54.61	3	Vertical	326	1.80	-	33.90	6.72	35.36
AV	5.1356G	46.39	54.00	-7.61	41.09	3	Vertical	326	1.80	-	33.90	6.74	35.34
PK	5.2646G	115.73	Inf	-Inf	109.94	3	Vertical	326	1.80	-	34.06	6.93	35.20
AV	5.264G	105.82	Inf	-Inf	100.03	3	Vertical	326	1.80	-	34.06	6.93	35.20
PK	5.4068G	61.12	74.00	-12.88	54.63	3	Vertical	326	1.80	-	34.34	7.20	35.05
AV	5.3636G	48.95	54.00	-5.05	42.55	3	Vertical	326	1.80	-	34.37	7.13	35.10

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_TX

28/08/2020



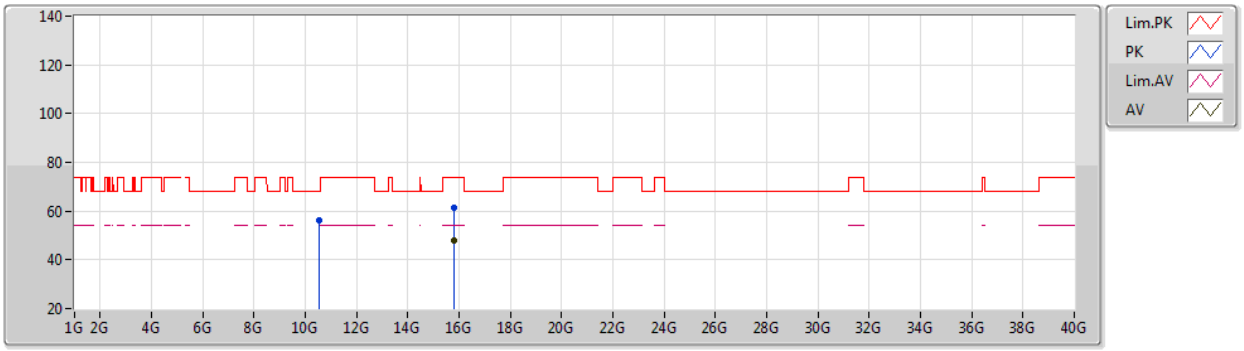
EUT Y_4TX
Setting 19.5
03-A-J-7-10

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	5.1236G	58.86	74.00	-15.14	53.60	3	Horizontal	186	1.95	-	33.90	6.72	35.36
AV	5.1422G	46.48	54.00	-7.52	41.18	3	Horizontal	186	1.95	-	33.90	6.74	35.34
PK	5.2718G	115.78	Inf	-Inf	109.95	3	Horizontal	186	1.95	-	34.09	6.94	35.20
AV	5.2724G	105.88	Inf	-Inf	100.05	3	Horizontal	186	1.95	-	34.09	6.94	35.20
PK	5.3522G	63.34	74.00	-10.66	56.95	3	Horizontal	186	1.95	-	34.40	7.10	35.11
AV	5.3522G	50.53	54.00	-3.47	44.14	3	Horizontal	186	1.95	-	34.40	7.10	35.11

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_TX

28/08/2020



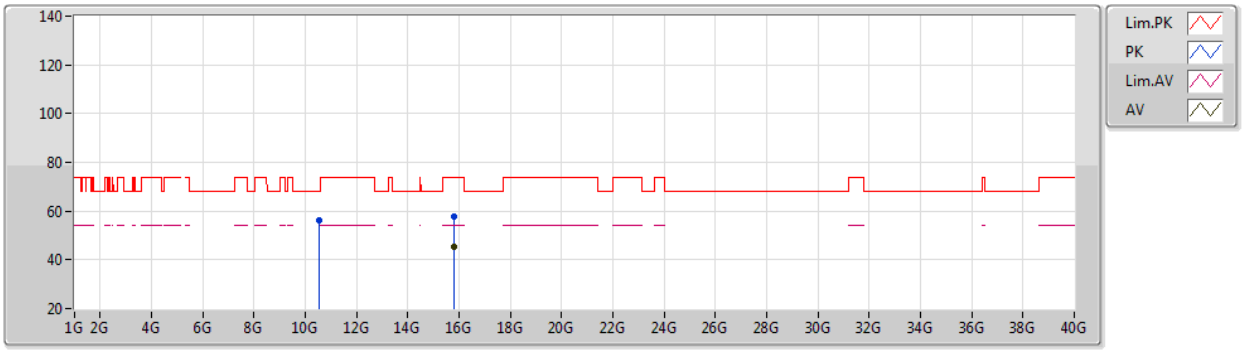
EUT Y_4TX
Setting 19.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.5488G	56.43	68.20	-11.77	43.36	3	Vertical	94	1.37	-	38.20	9.68	34.81
PK	15.81872G	61.19	74.00	-12.81	47.73	3	Vertical	133	1.33	-	37.34	11.32	35.20
AV	15.79976G	47.87	54.00	-6.13	34.45	3	Vertical	133	1.33	-	37.30	11.31	35.19

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_TX

28/08/2020



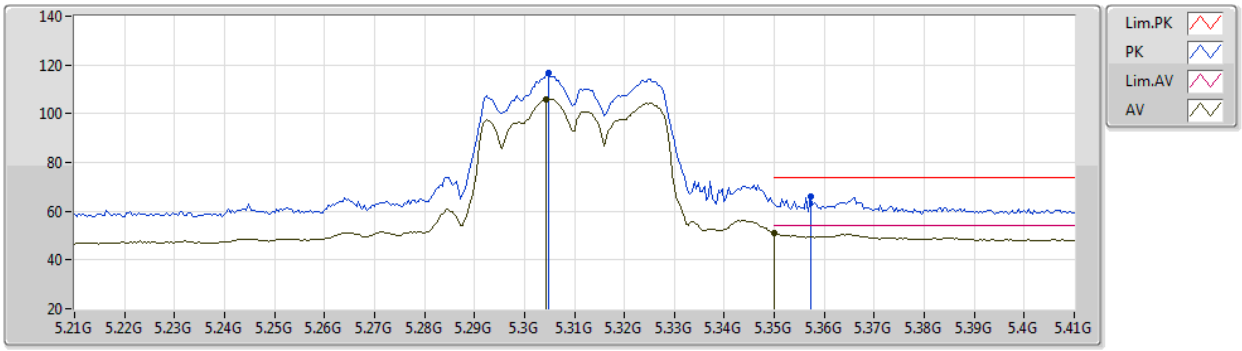
EUT Y_4TX
Setting 19.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.54664G	55.98	68.20	-12.22	42.92	3	Horizontal	312	1.88	-	38.20	9.68	34.82
PK	15.79904G	57.88	74.00	-16.12	44.46	3	Horizontal	222	3.00	-	37.30	11.31	35.19
AV	15.79936G	45.16	54.00	-8.84	31.74	3	Horizontal	222	3.00	-	37.30	11.31	35.19

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_TX

28/08/2020



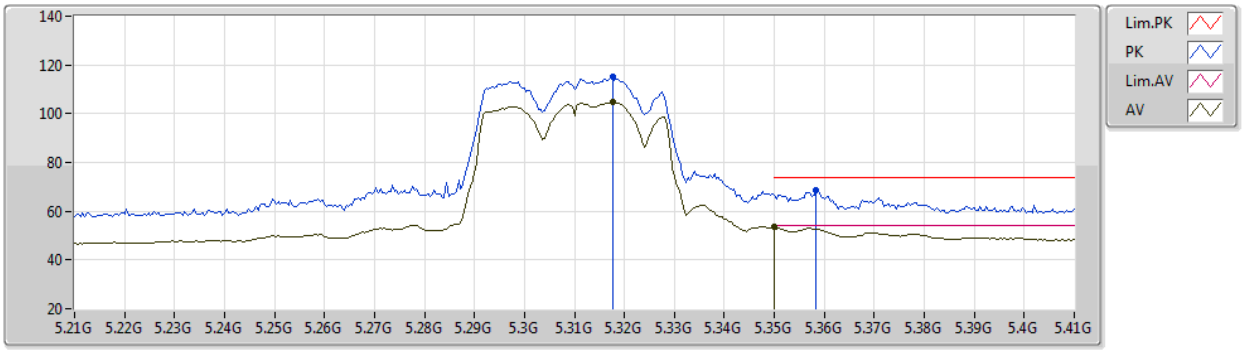
EUT Y_4TX
Setting 18.5
03-A-J-7-10

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	5.3048G	116.55	Inf	-Inf	110.48	3	Vertical	269	2.08	-	34.22	7.01	35.16
AV	5.3044G	106.03	Inf	-Inf	99.96	3	Vertical	269	2.08	-	34.22	7.01	35.16
PK	5.3572G	65.93	74.00	-8.07	59.53	3	Vertical	269	2.08	-	34.39	7.11	35.10
AV	5.35G	51.00	54.00	-3.00	44.61	3	Vertical	269	2.08	-	34.40	7.10	35.11

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_TX

28/08/2020



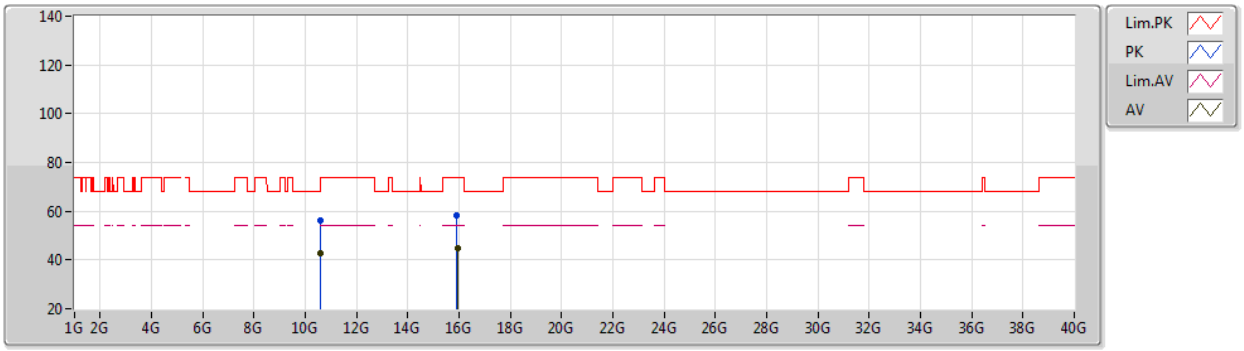
EUT Y_4TX
Setting 18.5
03-A-J-7-10

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	5.3176G	115.04	Inf	-Inf	108.88	3	Horizontal	188	1.94	-	34.27	7.04	35.15
AV	5.3176G	104.85	Inf	-Inf	98.69	3	Horizontal	188	1.94	-	34.27	7.04	35.15
PK	5.3584G	68.65	74.00	-5.35	62.25	3	Horizontal	188	1.94	-	34.38	7.12	35.10
AV	5.35G	53.43	54.00	-0.57	47.04	3	Horizontal	188	1.94	-	34.40	7.10	35.11

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_TX

28/08/2020



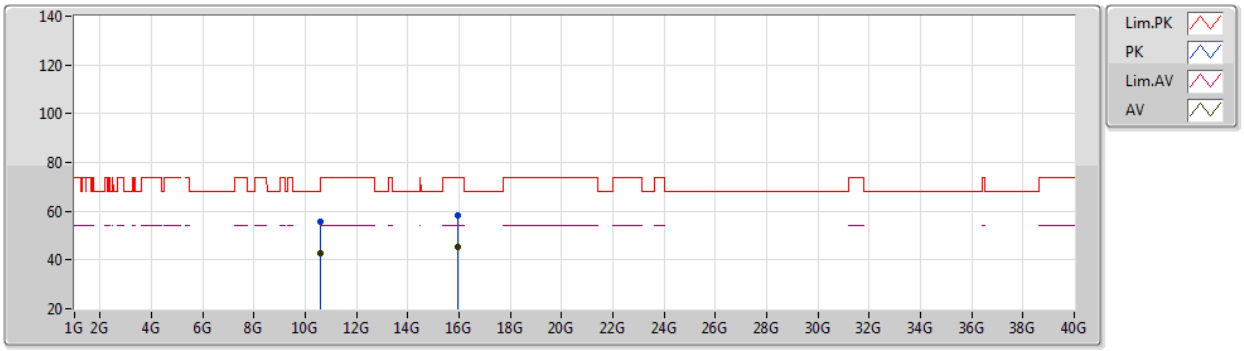
EUT Y_4TX
Setting 18.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.60896G	56.00	74.00	-18.00	42.87	3	Vertical	275	2.51	-	38.21	9.69	34.77
AV	10.60792G	42.85	54.00	-11.15	29.72	3	Vertical	275	2.51	-	38.21	9.69	34.77
PK	15.92096G	58.21	74.00	-15.79	44.62	3	Vertical	160	1.90	-	37.50	11.36	35.27
AV	15.93136G	44.90	54.00	-9.10	31.31	3	Vertical	160	1.90	-	37.50	11.37	35.28

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_TX

28/08/2020



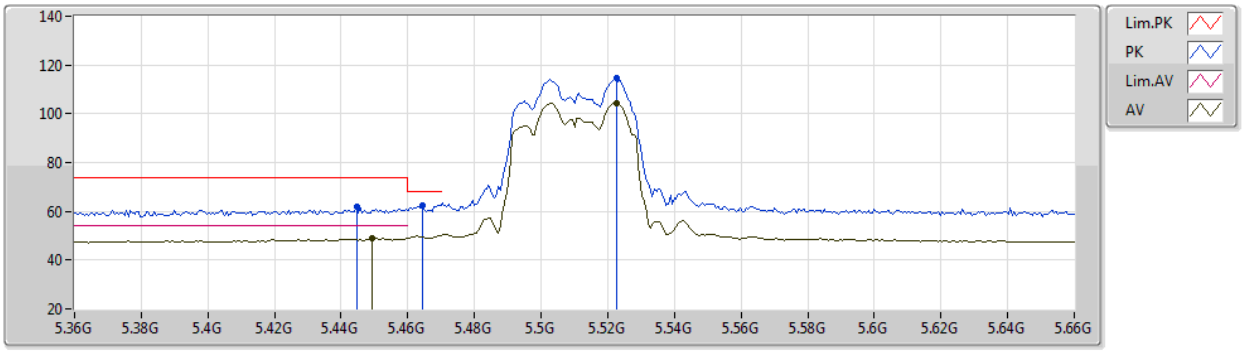
EUT Y_4TX
Setting 18.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.60256G	55.57	74.00	-18.43	42.45	3	Horizontal	51	1.13	-	38.20	9.69	34.77
AV	10.6092G	42.61	54.00	-11.39	29.48	3	Horizontal	51	1.13	-	38.21	9.69	34.77
PK	15.93112G	58.52	74.00	-15.48	44.93	3	Horizontal	111	1.00	-	37.50	11.37	35.28
AV	15.94464G	45.43	54.00	-8.57	31.83	3	Horizontal	111	1.00	-	37.50	11.38	35.28

802.11ac VHT40_Nss1,(MCS0)_4TX

28/08/2020

5510MHz_TX



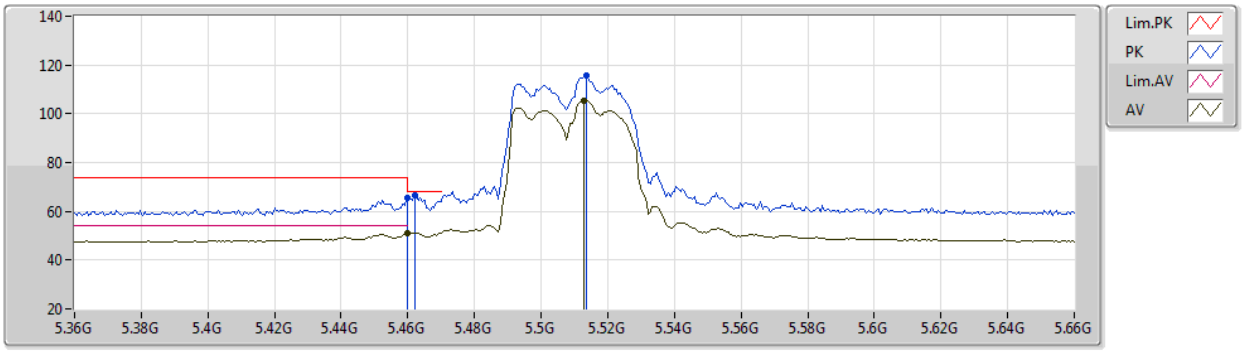
EUT Y_4TX
Setting 18.5
03-A-J-7-10

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	5.4446G	61.73	74.00	-12.27	54.99	3	Vertical	334	1.44	-	34.57	7.18	35.01
AV	5.4494G	49.15	54.00	-4.85	42.37	3	Vertical	334	1.44	-	34.60	7.18	35.00
PK	5.4644G	62.47	68.20	-5.73	55.75	3	Vertical	334	1.44	-	34.54	7.17	34.99
PK	5.5226G	114.62	Inf	-Inf	107.98	3	Vertical	334	1.44	-	34.45	7.14	34.95
AV	5.5226G	104.37	Inf	-Inf	97.73	3	Vertical	334	1.44	-	34.45	7.14	34.95

802.11ac VHT40_Nss1,(MCS0)_4TX

5510MHz_TX

28/08/2020



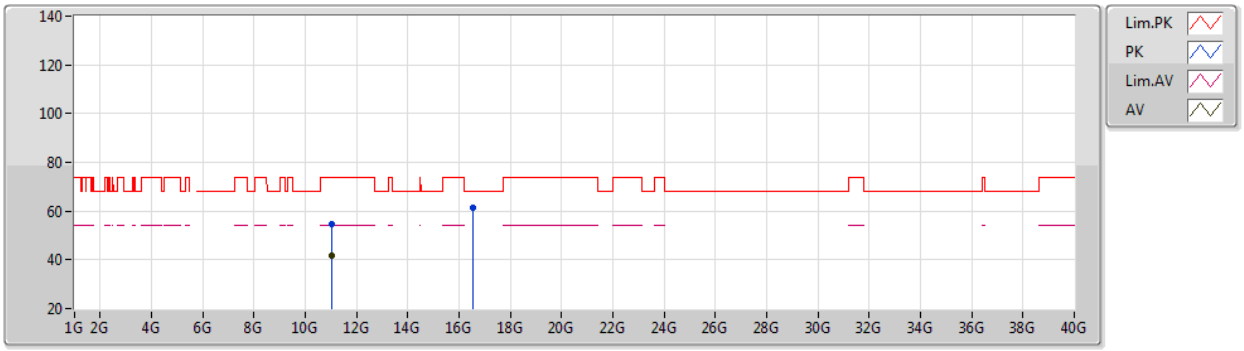
EUT Y_4TX
Setting 18.5
03-A-J-7-10

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	5.46G	65.71	74.00	-8.29	58.97	3	Horizontal	187	1.92	-	34.56	7.17	34.99
AV	5.46G	51.24	54.00	-2.76	44.50	3	Horizontal	187	1.92	-	34.56	7.17	34.99
PK	5.462G	66.49	68.20	-1.71	59.76	3	Horizontal	187	1.92	-	34.55	7.17	34.99
PK	5.5136G	115.59	Inf	-Inf	108.97	3	Horizontal	187	1.92	-	34.43	7.14	34.95
AV	5.513G	105.60	Inf	-Inf	98.98	3	Horizontal	187	1.92	-	34.43	7.14	34.95

802.11ac VHT40_Nss1,(MCS0)_4TX

5510MHz_TX

28/08/2020



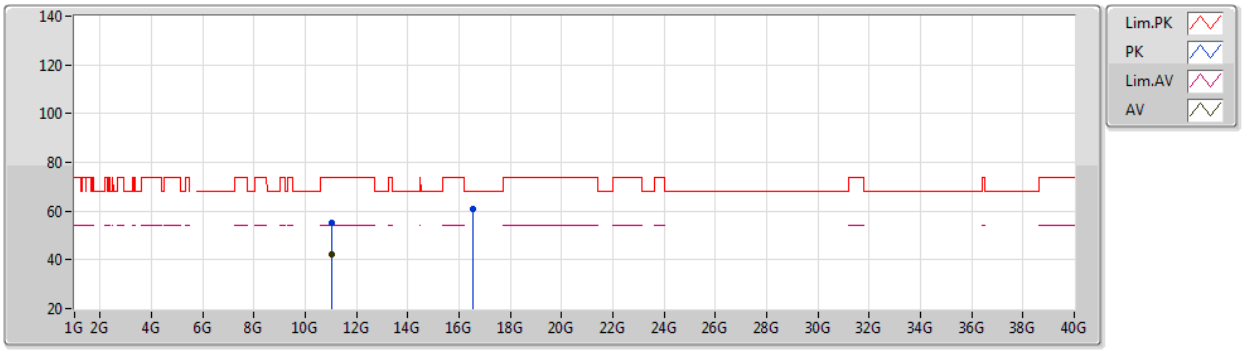
EUT Y_4TX
Setting 18.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.034G	54.41	74.00	-19.59	40.71	3	Vertical	255	1.77	-	38.43	9.76	34.49
AV	11.03824G	41.70	54.00	-12.30	27.99	3	Vertical	255	1.77	-	38.44	9.76	34.49
PK	16.54536G	61.34	68.20	-6.86	46.39	3	Vertical	87	1.61	-	38.13	11.62	34.80

802.11ac VHT40_Nss1,(MCS0)_4TX

5510MHz_TX

28/08/2020



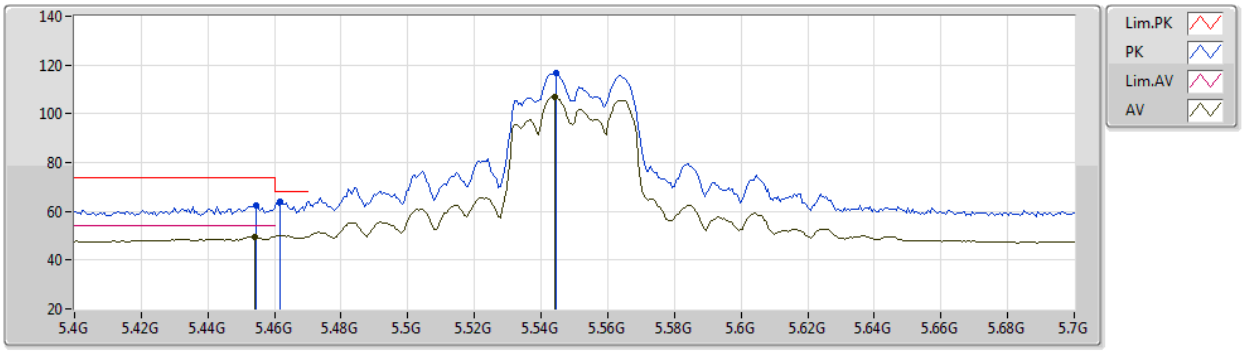
EUT Y_4TX
Setting 18.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.03712G	55.32	74.00	-18.68	41.61	3	Horizontal	270	1.53	-	38.44	9.76	34.49
AV	11.03736G	42.25	54.00	-11.75	28.54	3	Horizontal	270	1.53	-	38.44	9.76	34.49
PK	16.54688G	60.67	68.20	-7.53	45.72	3	Horizontal	2	1.66	-	38.13	11.62	34.80

802.11ac VHT40_Nss1,(MCS0)_4TX

28/08/2020

5550MHz_TX



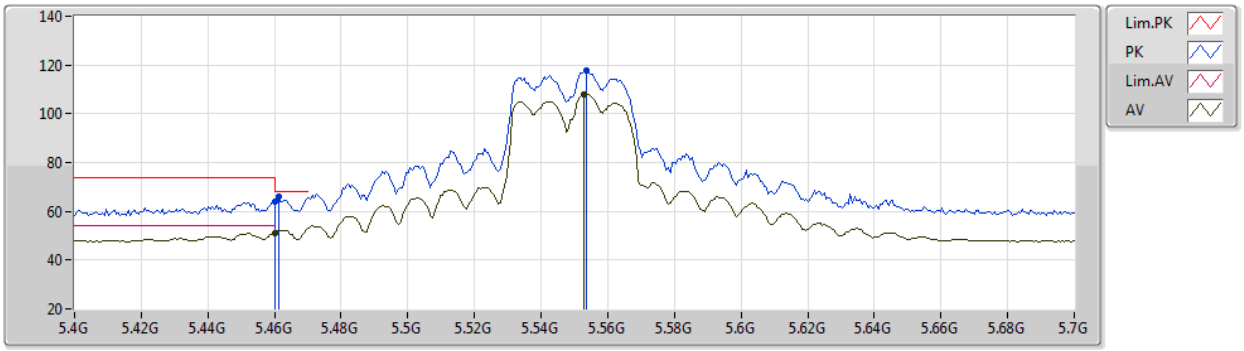
EUT Y_4TX
Setting 18.5
03-A-J-7-10

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	5.4546G	62.21	74.00	-11.79	55.46	3	Vertical	328	1.52	-	34.58	7.17	35.00
AV	5.454G	49.64	54.00	-4.36	42.89	3	Vertical	328	1.52	-	34.58	7.17	35.00
PK	5.4618G	64.19	68.20	-4.01	57.46	3	Vertical	328	1.52	-	34.55	7.17	34.99
PK	5.5446G	116.88	Inf	-Inf	110.21	3	Vertical	328	1.52	-	34.49	7.13	34.95
AV	5.544G	107.10	Inf	-Inf	100.43	3	Vertical	328	1.52	-	34.49	7.13	34.95

802.11ac VHT40_Nss1,(MCS0)_4TX

5550MHz_TX

28/08/2020



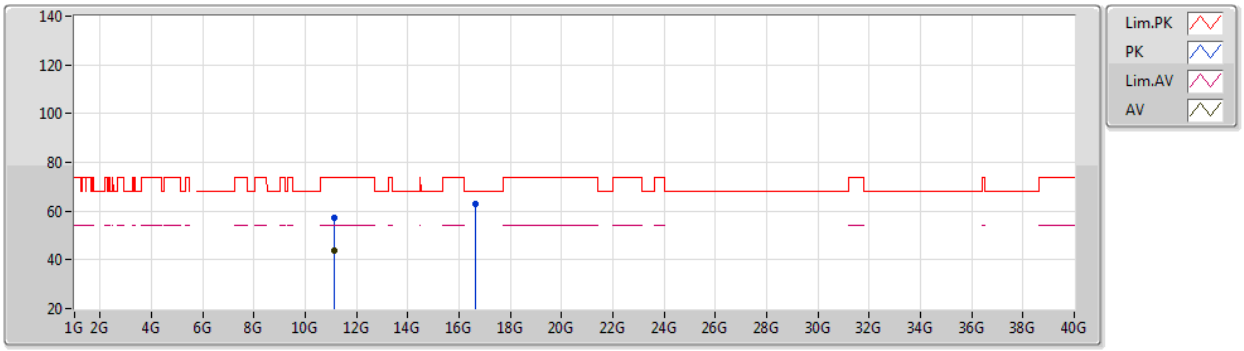
EUT Y_4TX
Setting 18.5
03-A-J-7-10

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	5.46G	63.77	74.00	-10.23	57.03	3	Horizontal	189	1.54	-	34.56	7.17	34.99
AV	5.46G	51.11	54.00	-2.89	44.37	3	Horizontal	189	1.54	-	34.56	7.17	34.99
PK	5.4612G	65.92	68.20	-2.28	59.18	3	Horizontal	189	1.54	-	34.56	7.17	34.99
PK	5.5536G	117.59	Inf	-Inf	110.93	3	Horizontal	189	1.54	-	34.49	7.12	34.95
AV	5.553G	107.83	Inf	-Inf	101.17	3	Horizontal	189	1.54	-	34.49	7.12	34.95

802.11ac VHT40_Nss1,(MCS0)_4TX

5550MHz_TX

28/08/2020



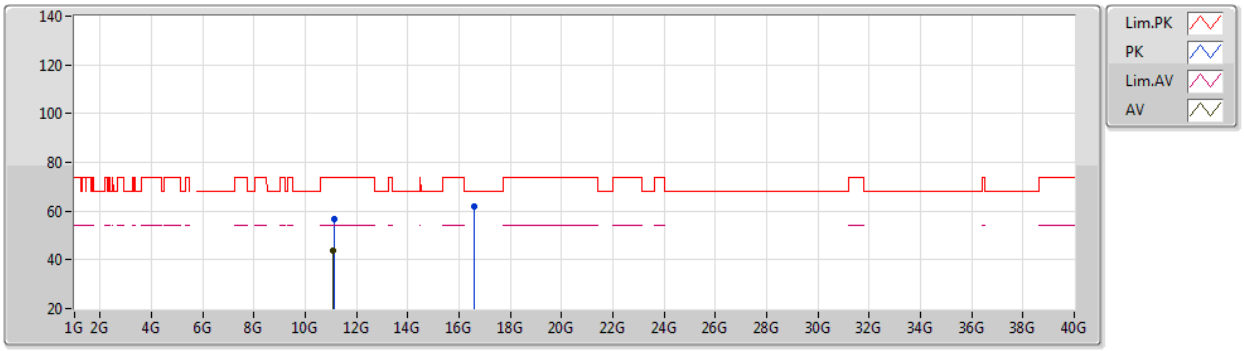
EUT Y_4TX
Setting 18.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.11096G	57.41	74.00	-16.59	43.65	3	Vertical	89	1.46	-	38.51	9.77	34.52
AV	11.1116G	43.83	54.00	-10.17	30.07	3	Vertical	89	1.46	-	38.51	9.77	34.52
PK	16.64848G	62.86	68.20	-5.34	47.36	3	Vertical	94	1.78	-	38.59	11.66	34.75

802.11ac VHT40_Nss1,(MCS0)_4TX

5550MHz_TX

28/08/2020



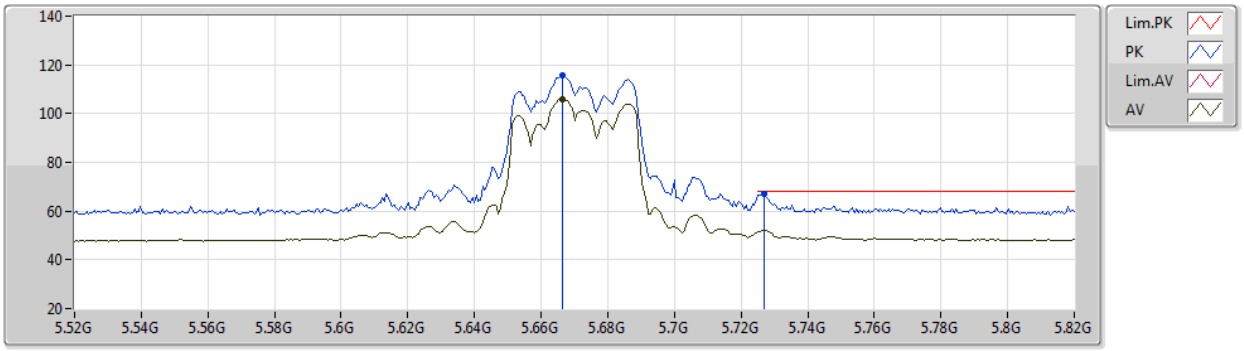
EUT Y_4TX
Setting 18.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.10888G	56.85	74.00	-17.15	43.09	3	Horizontal	310	2.10	-	38.51	9.77	34.52
AV	11.10376G	44.05	54.00	-9.95	30.30	3	Horizontal	310	2.10	-	38.50	9.77	34.52
PK	16.608G	61.76	68.20	-6.44	46.46	3	Horizontal	114	1.14	-	38.43	11.64	34.77

802.11ac VHT40_Nss1,(MCS0)_4TX

5670MHz_TX

28/08/2020



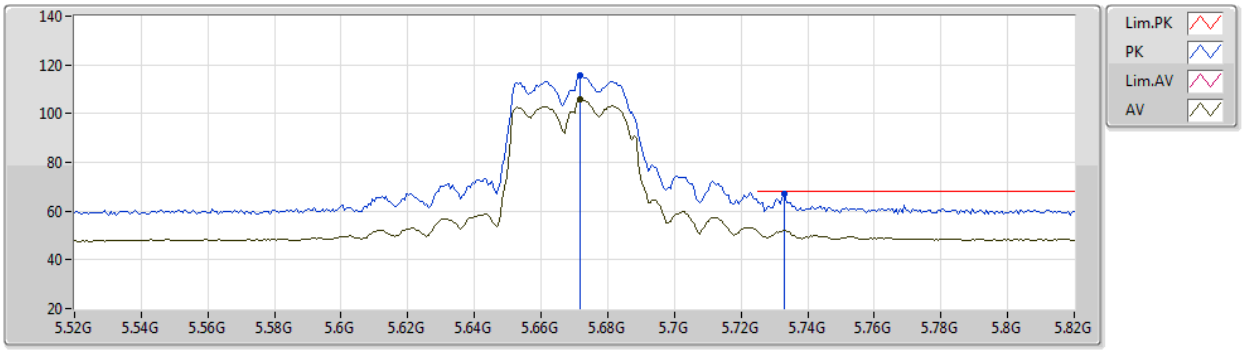
EUT Y_4TX
Setting 19
03-A-J-7-10

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	5.6664G	115.51	Inf	-Inf	108.99	3	Vertical	310	3.00	-	34.33	7.13	34.94
AV	5.6664G	105.95	Inf	-Inf	99.43	3	Vertical	310	3.00	-	34.33	7.13	34.94
PK	5.727G	66.92	68.20	-1.28	60.50	3	Vertical	310	3.00	-	34.20	7.16	34.94

802.11ac VHT40_Nss1,(MCS0)_4TX

5670MHz_TX

28/08/2020



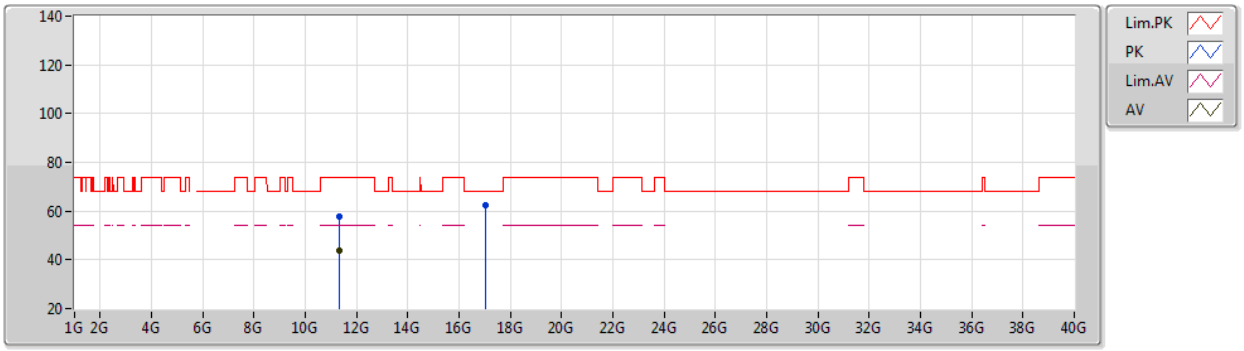
EUT Y_4TX
Setting 19
03-A-J-7-10

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	5.6718G	115.85	Inf	-Inf	109.34	3	Horizontal	185	1.56	-	34.31	7.14	34.94
AV	5.6718G	105.69	Inf	-Inf	99.18	3	Horizontal	185	1.56	-	34.31	7.14	34.94
PK	5.733G	66.95	68.20	-1.25	60.52	3	Horizontal	185	1.56	-	34.20	7.17	34.94

802.11ac VHT40_Nss1,(MCS0)_4TX

5670MHz_TX

28/08/2020



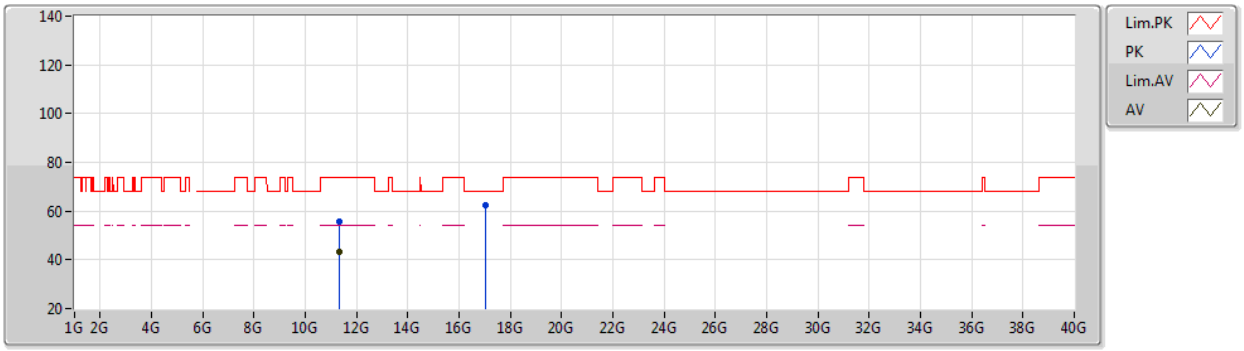
EUT Y_4TX
Setting 19
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.34648G	57.52	74.00	-16.48	43.63	3	Vertical	103	1.80	-	38.69	9.80	34.60
AV	11.348G	43.94	54.00	-10.06	30.04	3	Vertical	103	1.80	-	38.70	9.80	34.60
PK	17.0168G	62.52	68.20	-5.68	45.36	3	Vertical	232	2.61	-	39.95	11.81	34.60

802.11ac VHT40_Nss1,(MCS0)_4TX

5670MHz_TX

28/08/2020



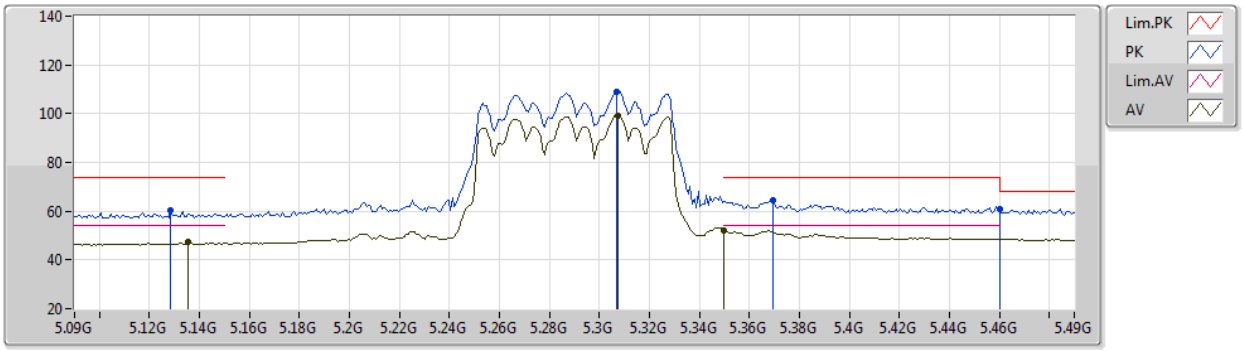
EUT Y_4TX
Setting 19
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.34112G	55.58	74.00	-18.42	41.70	3	Horizontal	218	1.38	-	38.68	9.80	34.60
AV	11.33984G	43.33	54.00	-10.67	29.45	3	Horizontal	218	1.38	-	38.68	9.80	34.60
PK	17.0088G	62.43	68.20	-5.77	45.30	3	Horizontal	123	2.54	-	39.93	11.80	34.60

802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_TX

28/08/2020



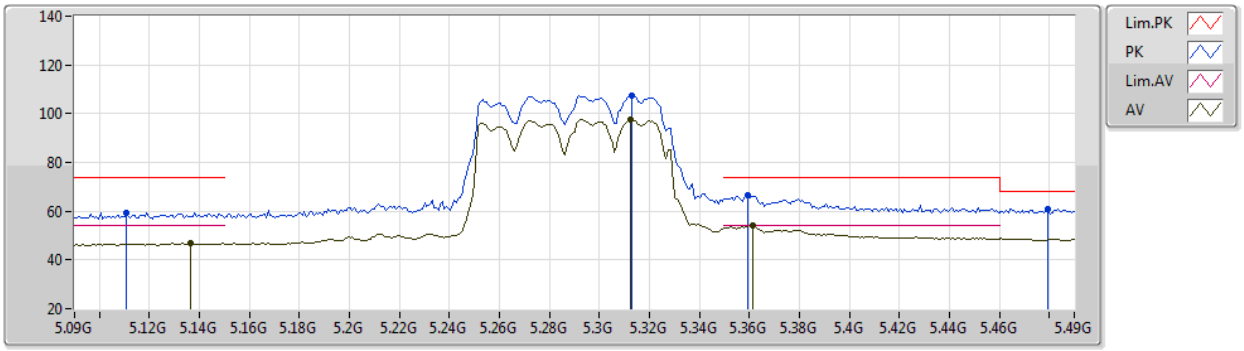
EUT Y_4TX
Setting 15
03-A-J-7-10

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	5.1284G	60.22	74.00	-13.78	54.94	3	Vertical	269	2.08	-	33.90	6.73	35.35
AV	5.1356G	47.30	54.00	-6.70	42.00	3	Vertical	269	2.08	-	33.90	6.74	35.34
PK	5.3068G	108.94	Inf	-Inf	102.86	3	Vertical	269	2.08	-	34.23	7.01	35.16
AV	5.3076G	99.22	Inf	-Inf	93.13	3	Vertical	269	2.08	-	34.23	7.02	35.16
PK	5.3692G	64.60	74.00	-9.40	58.19	3	Vertical	269	2.08	-	34.36	7.14	35.09
AV	5.35G	52.28	54.00	-1.72	45.89	3	Vertical	269	2.08	-	34.40	7.10	35.11
PK	5.46G	60.84	68.20	-7.36	54.10	3	Vertical	269	2.08	-	34.56	7.17	34.99

802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_TX

28/08/2020



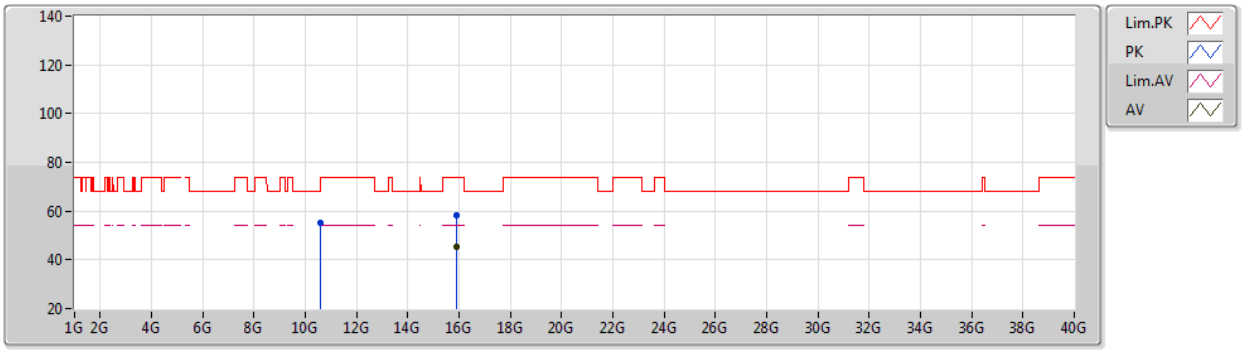
EUT Y_4TX
Setting 15
03-A-J-7-10

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	5.1108G	59.51	74.00	-14.49	54.27	3	Horizontal	187	1.89	-	33.90	6.71	35.37
AV	5.1364G	46.79	54.00	-7.21	41.49	3	Horizontal	187	1.89	-	33.90	6.74	35.34
PK	5.3132G	107.25	Inf	-Inf	101.12	3	Horizontal	187	1.89	-	34.25	7.03	35.15
AV	5.3124G	97.58	Inf	-Inf	91.46	3	Horizontal	187	1.89	-	34.25	7.02	35.15
PK	5.3596G	66.56	74.00	-7.44	60.16	3	Horizontal	187	1.89	-	34.38	7.12	35.10
AV	5.3612G	53.93	54.00	-0.07	47.53	3	Horizontal	187	1.89	-	34.38	7.12	35.10
PK	5.4796G	60.92	68.20	-7.28	54.25	3	Horizontal	187	1.89	-	34.48	7.16	34.97

802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_TX

28/08/2020



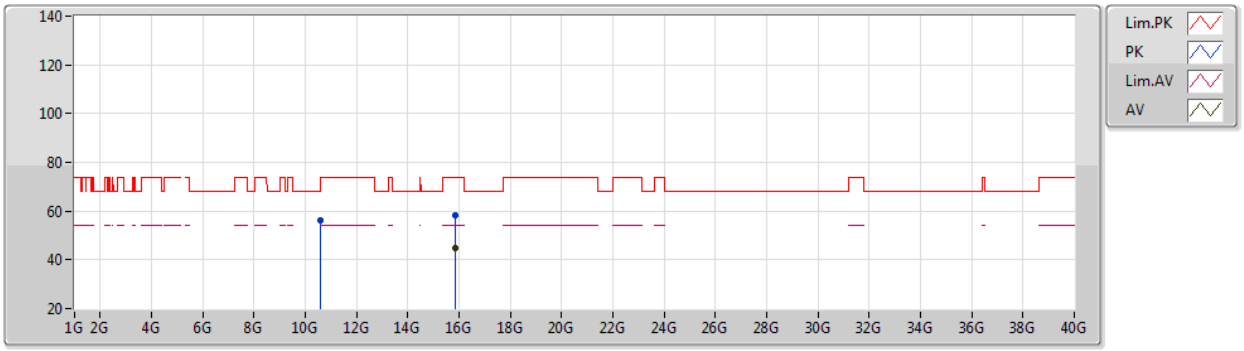
EUT Y_4TX
Setting 15
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.56952G	55.01	68.20	-13.19	41.92	3	Vertical	41	2.12	-	38.20	9.69	34.80
PK	15.88144G	58.16	74.00	-15.84	44.59	3	Vertical	66	1.66	-	37.46	11.35	35.24
AV	15.88056G	45.15	54.00	-8.85	31.58	3	Vertical	66	1.66	-	37.46	11.35	35.24

802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_TX

28/08/2020



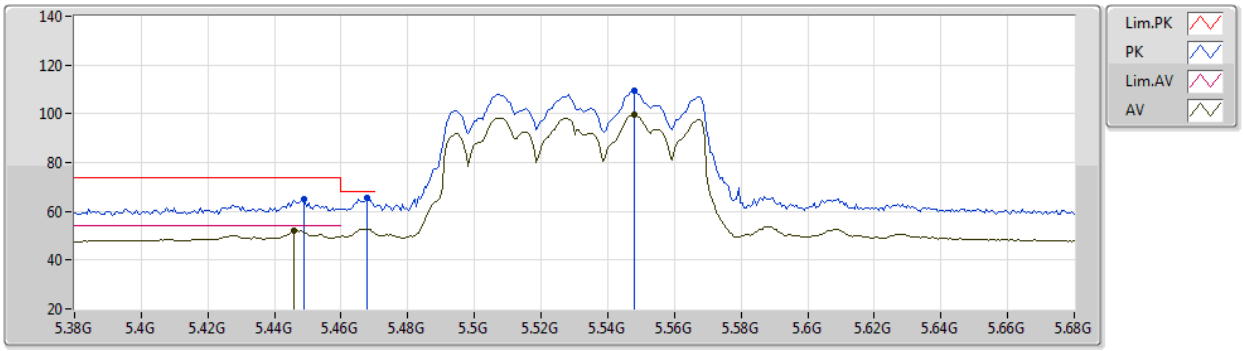
EUT Y_4TX
Setting 15
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.57512G	56.02	68.20	-12.18	42.92	3	Horizontal	314	1.60	-	38.20	9.69	34.79
PK	15.85864G	58.46	74.00	-15.54	44.93	3	Horizontal	199	1.94	-	37.42	11.34	35.23
AV	15.8728G	44.97	54.00	-9.03	31.42	3	Horizontal	199	1.94	-	37.45	11.34	35.24

802.11ac VHT80_Nss1,(MCS0)_4TX

5530MHz_TX

28/08/2020



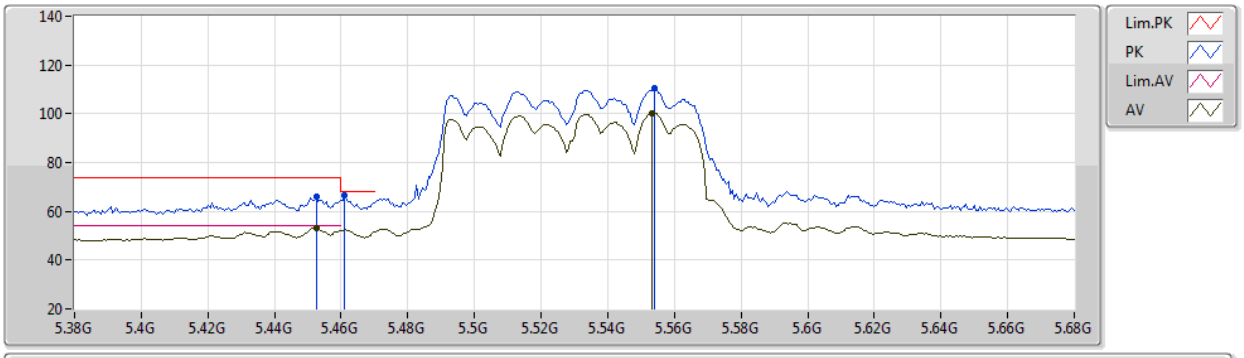
EUT Y_4TX
Setting 16.5
03-A-J-7-10

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	5.449G	65.04	74.00	-8.96	58.28	3	Vertical	267	1.94	-	34.59	7.18	35.01
AV	5.446G	52.12	54.00	-1.88	45.37	3	Vertical	267	1.94	-	34.58	7.18	35.01
PK	5.4676G	65.47	68.20	-2.73	58.75	3	Vertical	267	1.94	-	34.53	7.17	34.98
PK	5.548G	109.48	Inf	-Inf	102.80	3	Vertical	267	1.94	-	34.50	7.13	34.95
AV	5.548G	99.56	Inf	-Inf	92.88	3	Vertical	267	1.94	-	34.50	7.13	34.95

802.11ac VHT80_Nss1,(MCS0)_4TX

5530MHz_TX

28/08/2020



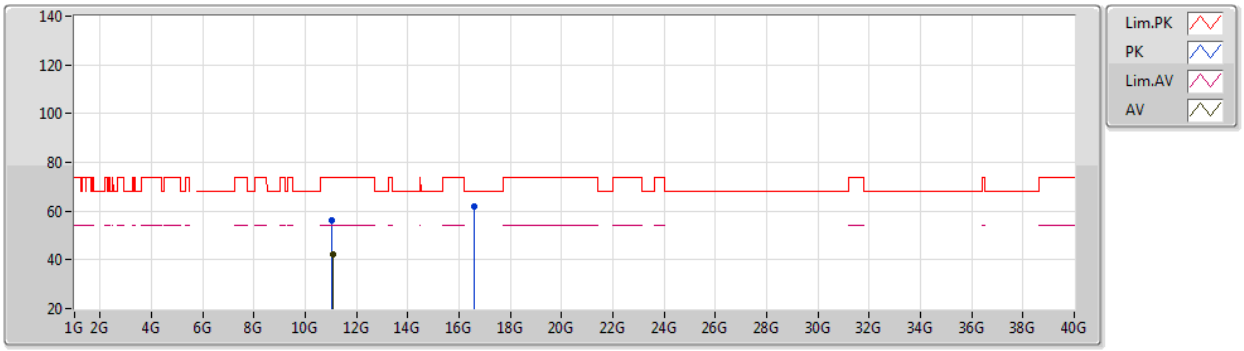
EUT Y_4TX
Setting 16.5
03-A-J-7-10

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	5.4526G	66.13	74.00	-7.87	59.37	3	Horizontal	183	1.62	-	34.59	7.17	35.00
AV	5.4526G	53.14	54.00	-0.86	46.38	3	Horizontal	183	1.62	-	34.59	7.17	35.00
PK	5.461G	66.48	68.20	-1.72	59.74	3	Horizontal	183	1.62	-	34.56	7.17	34.99
PK	5.554G	110.42	Inf	-Inf	103.77	3	Horizontal	183	1.62	-	34.48	7.12	34.95
AV	5.5534G	100.37	Inf	-Inf	93.71	3	Horizontal	183	1.62	-	34.49	7.12	34.95

802.11ac VHT80_Nss1,(MCS0)_4TX

28/08/2020

5530MHz_TX



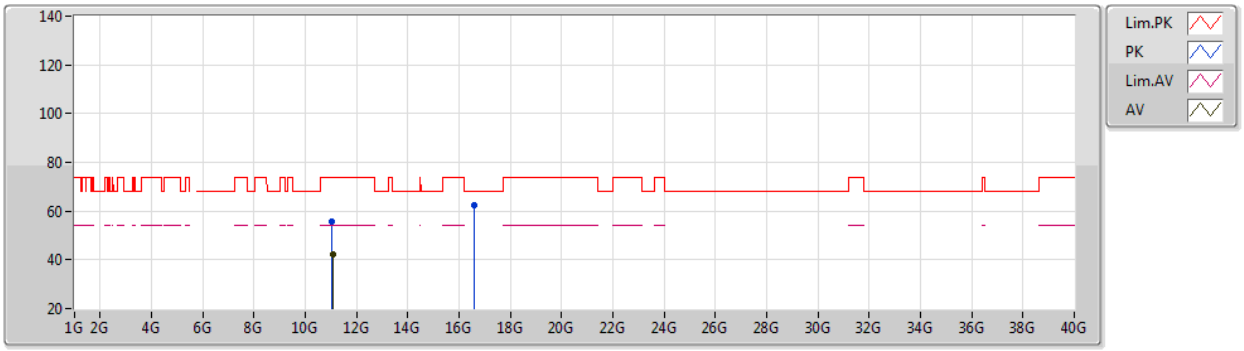
EUT Y_4TX
Setting 16.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.0516G	56.19	74.00	-17.81	42.48	3	Vertical	41	1.80	-	38.45	9.76	34.50
AV	11.06728G	42.46	54.00	-11.54	28.73	3	Vertical	41	1.80	-	38.47	9.76	34.50
PK	16.59072G	61.66	68.20	-6.54	46.45	3	Vertical	350	2.18	-	38.35	11.64	34.78

802.11ac VHT80_Nss1,(MCS0)_4TX

5530MHz_TX

28/08/2020



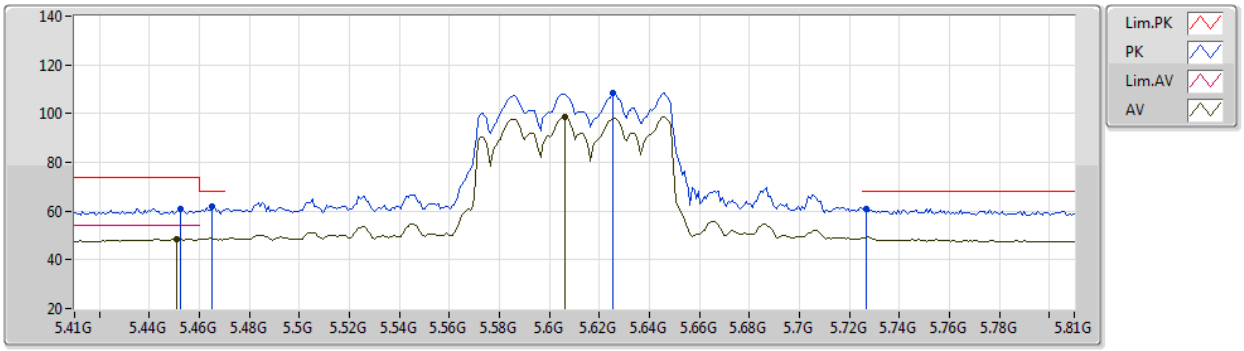
EUT Y_4TX
Setting 16.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.0508G	55.52	74.00	-18.48	41.81	3	Horizontal	0	1.38	-	38.45	9.76	34.50
AV	11.05904G	42.42	54.00	-11.58	28.70	3	Horizontal	0	1.38	-	38.46	9.76	34.50
PK	16.57784G	62.30	68.20	-5.90	47.17	3	Horizontal	157	3.00	-	38.29	11.63	34.79

802.11ac VHT80_Nss1,(MCS0)_4TX

5610MHz_TX

28/08/2020



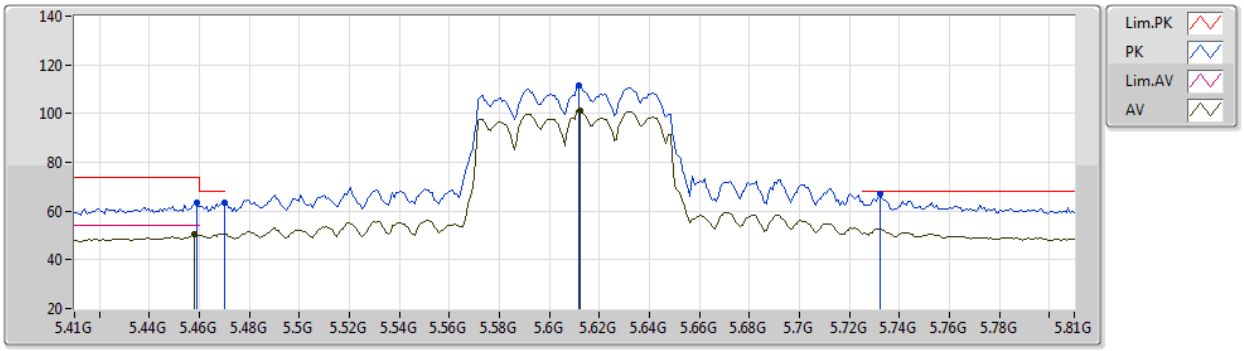
EUT Y_4TX
Setting 17.5
03-A-J-7-10

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	5.4524G	61.10	74.00	-12.90	54.34	3	Vertical	269	1.77	-	34.59	7.17	35.00
AV	5.4508G	48.41	54.00	-5.59	41.64	3	Vertical	269	1.77	-	34.60	7.17	35.00
PK	5.4652G	62.02	68.20	-6.18	55.30	3	Vertical	269	1.77	-	34.54	7.17	34.99
PK	5.6252G	108.30	Inf	-Inf	101.78	3	Vertical	269	1.77	-	34.35	7.11	34.94
AV	5.606G	98.71	Inf	-Inf	92.24	3	Vertical	269	1.77	-	34.31	7.10	34.94
PK	5.7268G	60.94	68.20	-7.26	54.52	3	Vertical	269	1.77	-	34.20	7.16	34.94

802.11ac VHT80_Nss1,(MCS0)_4TX

5610MHz_TX

28/08/2020



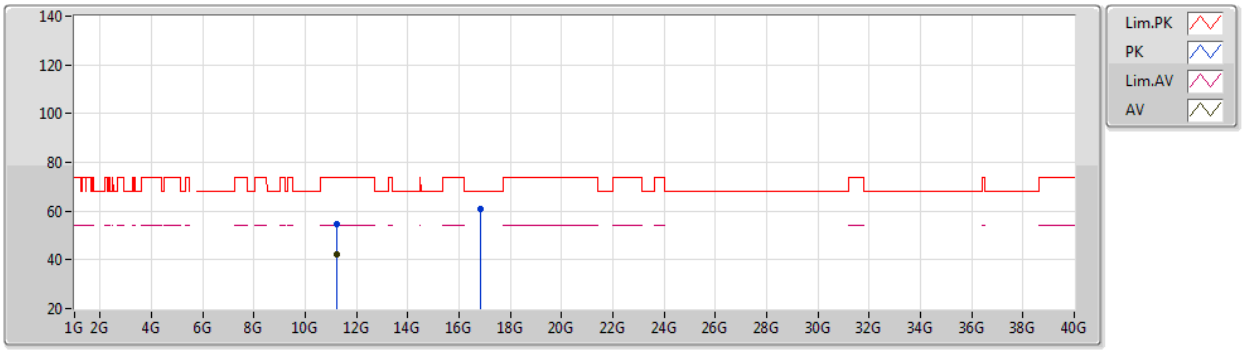
EUT Y_4TX
Setting 17.5
03-A-J-7-10

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	5.4588G	63.34	74.00	-10.66	56.60	3	Horizontal	190	1.49	-	34.56	7.17	34.99
AV	5.458G	50.29	54.00	-3.71	43.55	3	Horizontal	190	1.49	-	34.57	7.17	35.00
PK	5.47G	63.65	68.20	-4.55	56.94	3	Horizontal	190	1.49	-	34.52	7.17	34.98
PK	5.6116G	111.38	Inf	-Inf	104.89	3	Horizontal	190	1.49	-	34.32	7.11	34.94
AV	5.6124G	101.39	Inf	-Inf	94.90	3	Horizontal	190	1.49	-	34.32	7.11	34.94
PK	5.7324G	67.21	68.20	-0.99	60.78	3	Horizontal	190	1.49	-	34.20	7.17	34.94

802.11ac VHT80_Nss1,(MCS0)_4TX

5610MHz_TX

28/08/2020



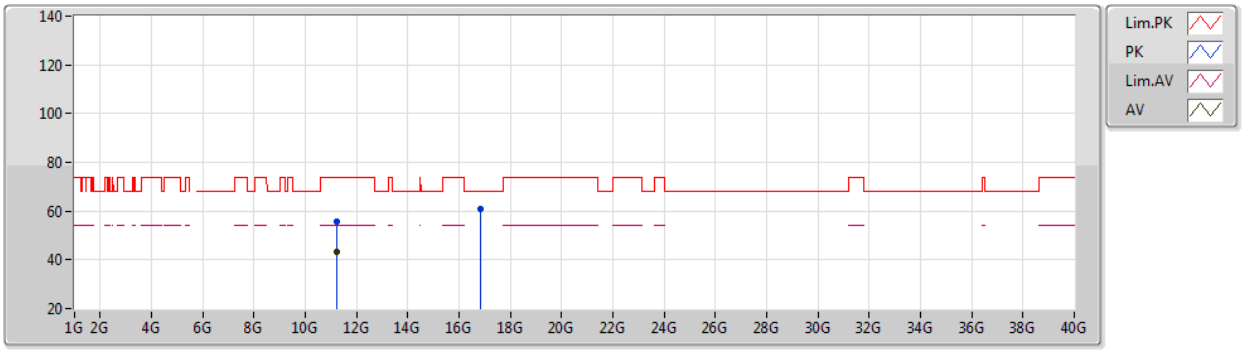
EUT Y_4TX
Setting 17.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.22968G	54.88	74.00	-19.12	41.06	3	Vertical	346	2.11	-	38.60	9.78	34.56
AV	11.23672G	42.01	54.00	-11.99	28.18	3	Vertical	346	2.11	-	38.60	9.79	34.56
PK	16.84288G	60.73	68.20	-7.47	44.39	3	Vertical	87	2.48	-	39.27	11.74	34.67

802.11ac VHT80_Nss1,(MCS0)_4TX

5610MHz_TX

28/08/2020



EUT Y_4TX
Setting 17.5
03-A-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.2207G	55.91	74.00	-18.09	42.09	3	Horizontal	347	1.79	-	38.60	9.78	34.56
AV	11.21982G	43.24	54.00	-10.76	29.41	3	Horizontal	347	1.79	-	38.60	9.78	34.55
PK	16.83256G	61.04	68.20	-7.16	44.75	3	Horizontal	349	2.17	-	39.23	11.73	34.67