FCC RADIO TEST REPORT

FCC ID	:	O2U-5541
Equipment	:	Wireless Access Point
Brand Name	:	cbn
Model Name	:	AP5541
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 Sep. 02, 2020, and testing was started from Sep. 08, 2020 and completed on Nov. 12, 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.)

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History of this test report

Report No.	Version	Description	Issued Date
FR082543-01	01	Initial issue of report	Jan. 14, 2021

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: Sam Chen

Report Producer: Sandy Chuang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
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	2
5.25-5.35GHz	802.11n HT20	20	2
5.25-5.35GHz	802.11ac VHT20	20	2
5.25-5.35GHz	802.11n HT40	40	2
5.25-5.35GHz	802.11ac VHT40	40	2
5.25-5.35GHz	802.11ac VHT80	80	2
5.47-5.725GHz	802.11a	20	2
5.47-5.725GHz	802.11n HT20	20	2
5.47-5.725GHz	802.11ac VHT20	20	2
5.47-5.725GHz	802.11n HT40	40	2
5.47-5.725GHz	802.11ac VHT40	40	2
5.47-5.725GHz	802.11ac VHT80	80	2

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
1	2	CBN	AP5541	PIFA Antenna	N/A	2.8	-
2	1	CBN	AP5541	PIFA Antenna	N/A	3.7	-
3	1	CBN	AP5541	PIFA Antenna	N/A	-	3.1
4	2	CBN	AP5541	PIFA Antenna	N/A	-	3.5

Note: The above information was declared by manufacturer.

<For WLAN 2.4GHz Function>

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

<For WLAN 5GHz Function>

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.965	0.15	2.029m	1k
802.11ac VHT20	0.87	0.6	4.975m	300
802.11ac VHT40	0.805	0.94	2.418m	1k
802.11ac VHT80	0.804	0.95	3.329m	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
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	QSPR V5.0-00186			
Test Sample Serial Number	1415541200003			

Note: The above information was declared by manufacturer.

1.1.5 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR082543AB.

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, Ln. 724, Bo'ai St., Zhubei 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	Nyle Chang	23-24.3°C / 51-54%	Nov. 12, 2020
Radiated	03CH01-CB	JN Tu	24.3-24.9°C / 55-58%	Sep. 08, 2020~ Oct. 30, 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)	5.0 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.9 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	0.4%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	18
5300MHz	18
5320MHz	18.5
5500MHz	18
5580MHz	18.5
5700MHz	17.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	17.5
5300MHz	17.5
5320MHz	17.5
5500MHz	17.5
5580MHz	18
5700MHz	15.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	17.5
5310MHz	14.5
5510MHz	14.5
5550MHz	18
5670MHz	18
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	13.5
5530MHz	14
5610MHz	17

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

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	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.: FA082543-01 for Co-location RF Exposure Evaluation.	

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

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

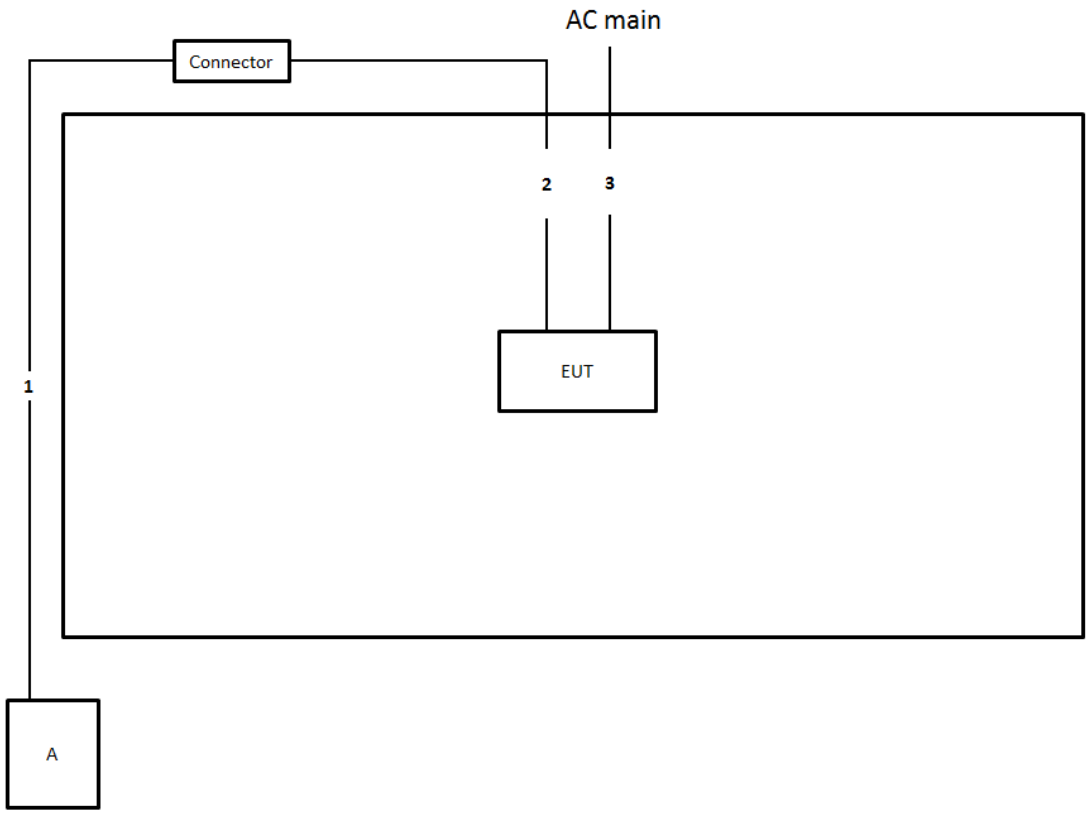
Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	APD	WB-18Q12FU	Input: 100-240V~,50-60Hz, 0.6A Max. Output:12V, 1.5A
Other			
RJ-45 cable*1: Non-shielded 1.5m			

2.5 Support Equipment

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



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	Power cable	No	1.8m

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.

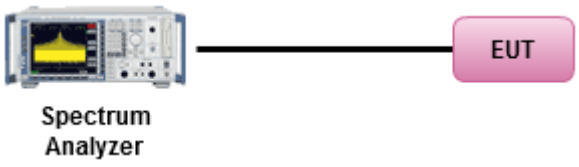
3.1.2 Measuring Instruments

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.	

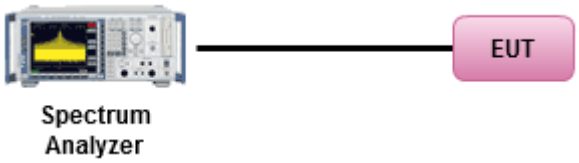
3.3.2 Measuring Instruments

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

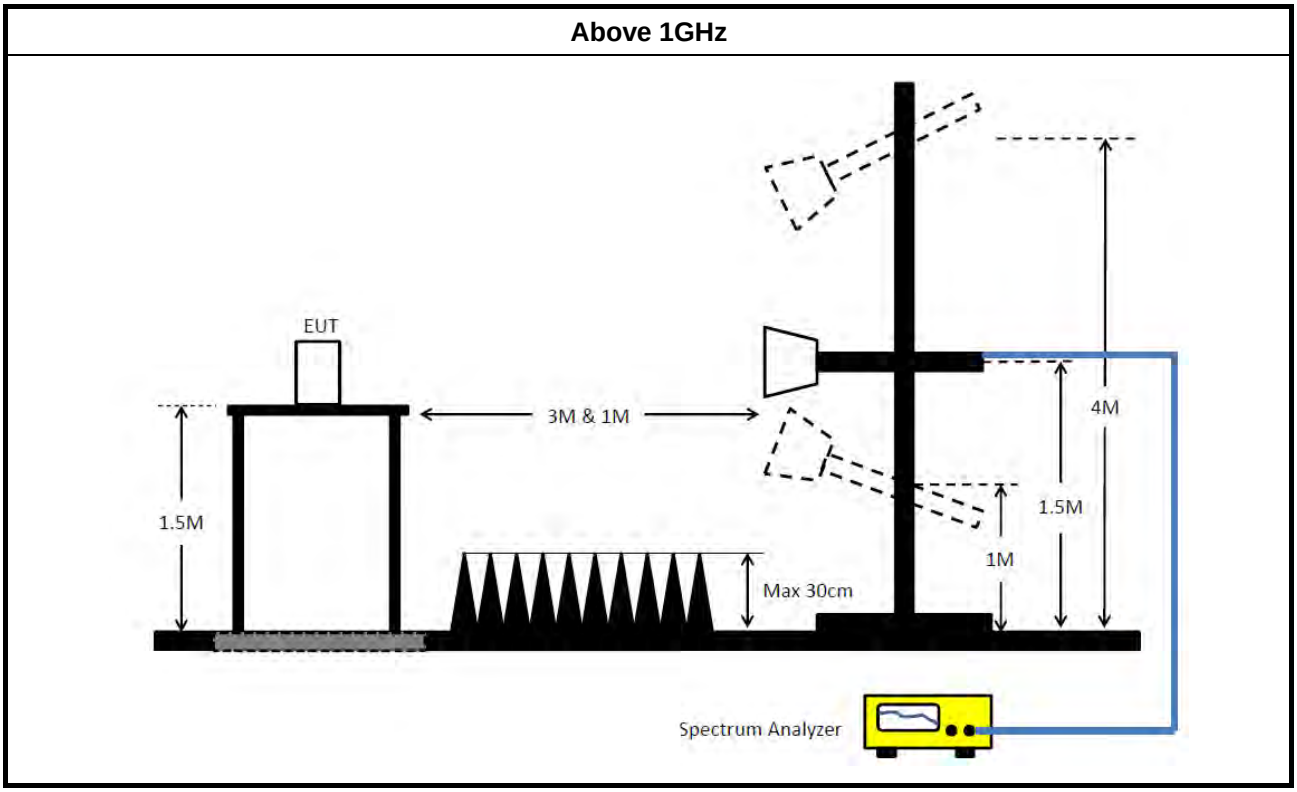
Refer a test equipment and calibration data table in this test report.

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	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 29, 2020	May 28, 2021	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2019	Nov. 03, 2020	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2020	Jan. 07, 2021	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Apr. 16, 2020	Apr. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-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. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	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	E9327A	US40442088	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 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.
NCR 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)_2TX	38.76M	19.4M	19M4D1D	28.05M	16.972M
802.11ac VHT20_Nss1,(MCS0)_2TX	36.63M	19.22M	19M2D1D	28.38M	17.991M
802.11ac VHT40_Nss1,(MCS0)_2TX	83.7M	38.501M	38M5D1D	45.36M	36.762M
802.11ac VHT80_Nss1,(MCS0)_2TX	89.4M	76.762M	76M8D1D	87.48M	76.522M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	38.01M	18.771M	18M8D1D	28.35M	17.121M
802.11ac VHT20_Nss1,(MCS0)_2TX	35.22M	19.01M	19M0D1D	24.99M	17.931M
802.11ac VHT40_Nss1,(MCS0)_2TX	75.84M	38.081M	38M1D1D	44.4M	36.702M
802.11ac VHT80_Nss1,(MCS0)_2TX	135.6M	77.361M	77M4D1D	88.68M	76.522M

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

Result

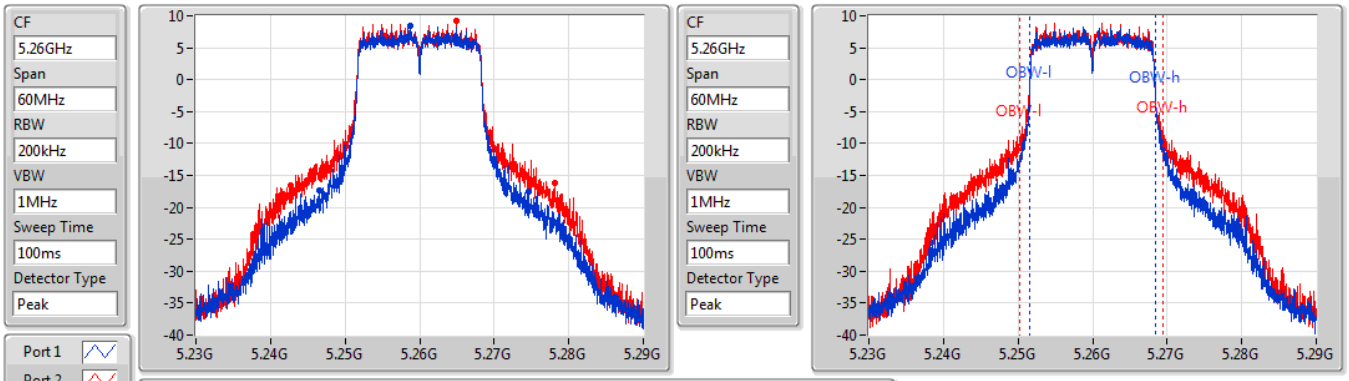
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	28.05M	16.972M	35.31M	19.19M
5300MHz	Pass	Inf	31.8M	17.091M	35.01M	19.25M
5320MHz	Pass	Inf	31.59M	17.211M	38.76M	19.4M
5500MHz	Pass	Inf	28.35M	17.181M	31.44M	17.361M
5580MHz	Pass	Inf	33.15M	17.811M	38.01M	18.771M
5700MHz	Pass	Inf	28.95M	17.121M	31.44M	17.211M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	28.38M	18.021M	35.85M	18.891M
5300MHz	Pass	Inf	30.45M	18.021M	36.63M	19.22M
5320MHz	Pass	Inf	29.82M	17.991M	34.56M	18.651M
5500MHz	Pass	Inf	30.12M	18.111M	31.86M	18.141M
5580MHz	Pass	Inf	34.38M	18.381M	35.22M	19.01M
5700MHz	Pass	Inf	24.99M	17.931M	26.07M	17.931M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	70.2M	37.181M	83.7M	38.501M
5310MHz	Pass	Inf	45.48M	36.762M	45.36M	36.762M
5510MHz	Pass	Inf	45.48M	36.702M	44.4M	36.702M
5550MHz	Pass	Inf	74.52M	37.661M	75.12M	38.021M
5670MHz	Pass	Inf	75.84M	37.901M	74.76M	38.081M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	87.48M	76.522M	89.4M	76.762M
5530MHz	Pass	Inf	89.76M	76.522M	88.68M	76.522M
5610MHz	Pass	Inf	135.6M	77.121M	134.52M	77.361M

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

802.11a_Nss1,(6Mbps)_2TX EBW

5260MHz

02/11/2020

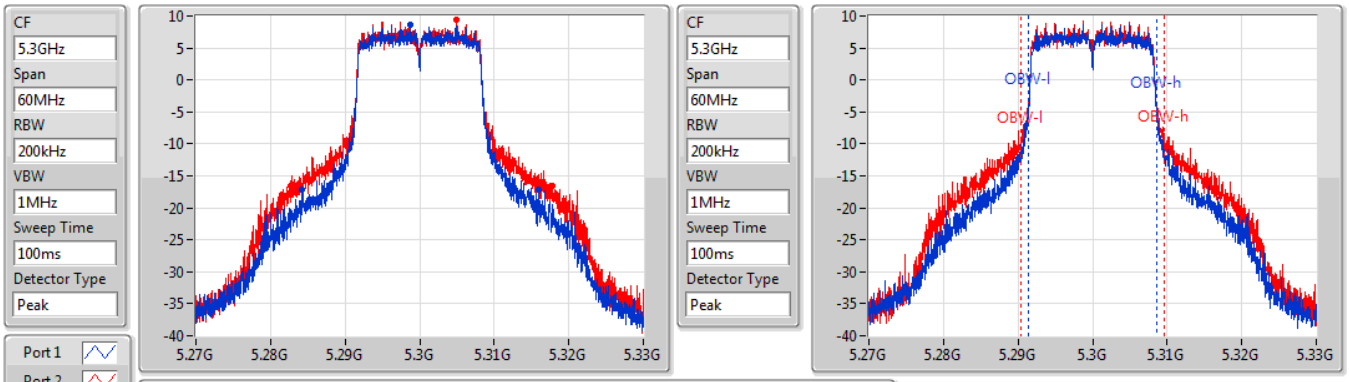


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.05M	5.24656G	5.27461G	16.972M	5.251544G	5.268516G	Inf	1
35.31M	5.24278G	5.27809G	19.19M	5.250285G	5.269475G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5300MHz

02/11/2020

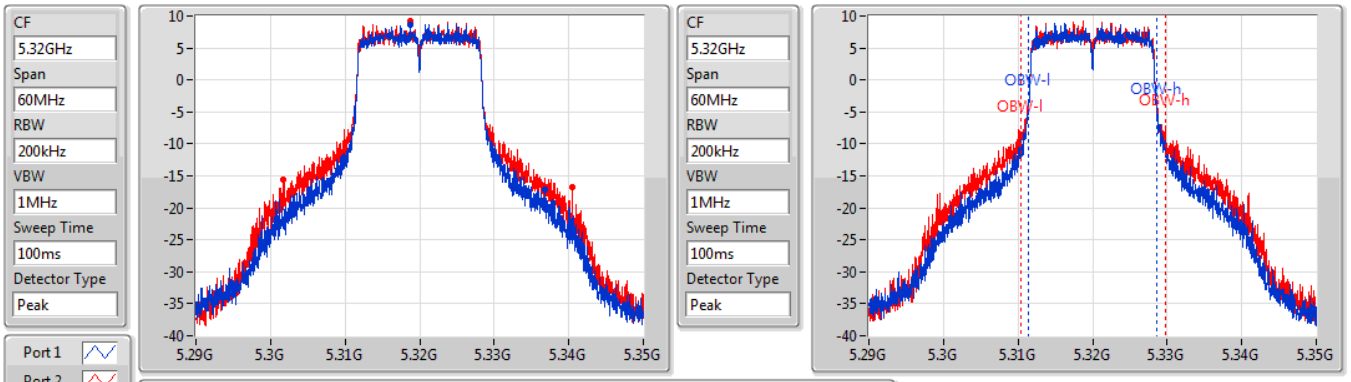


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.8M	5.28422G	5.31602G	17.091M	5.291454G	5.308546G	Inf	1
35.01M	5.28275G	5.31776G	19.25M	5.290345G	5.309595G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5320MHz

02/11/2020

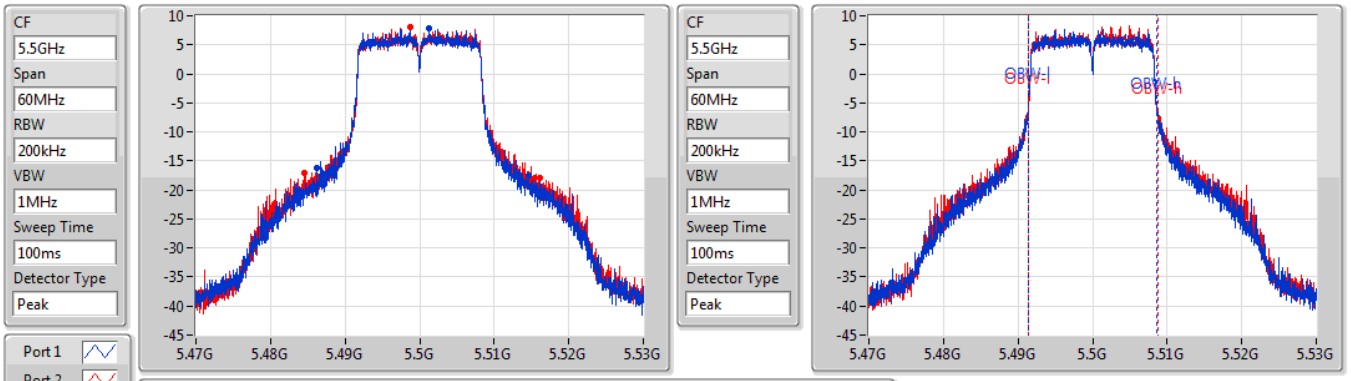


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.59M	5.30521G	5.3368G	17.211M	5.311424G	5.328636G	Inf	1
38.76M	5.30176G	5.34052G	19.4M	5.310345G	5.329745G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5500MHz

02/11/2020

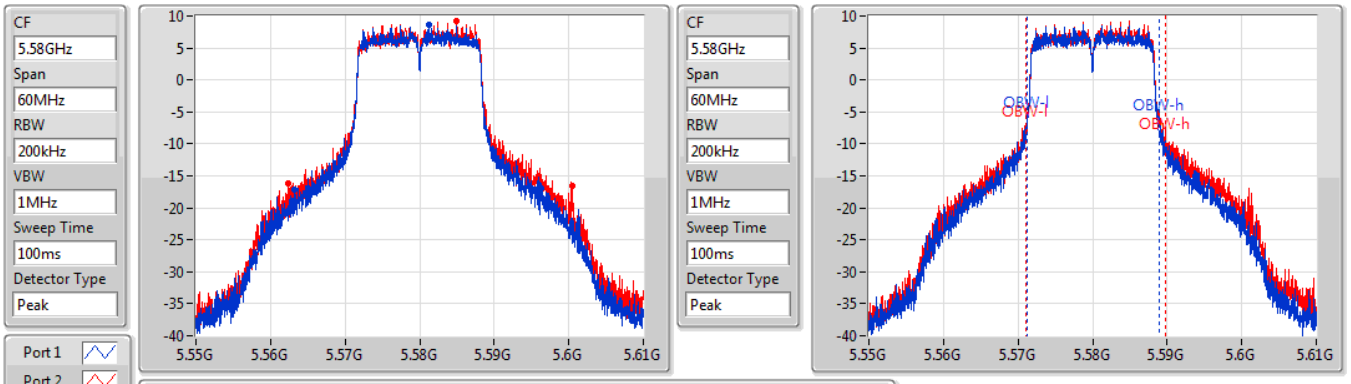


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.35M	5.4862G	5.51455G	17.181M	5.491454G	5.508636G	Inf	1
31.44M	5.48461G	5.51605G	17.361M	5.491424G	5.508786G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5580MHz

02/11/2020

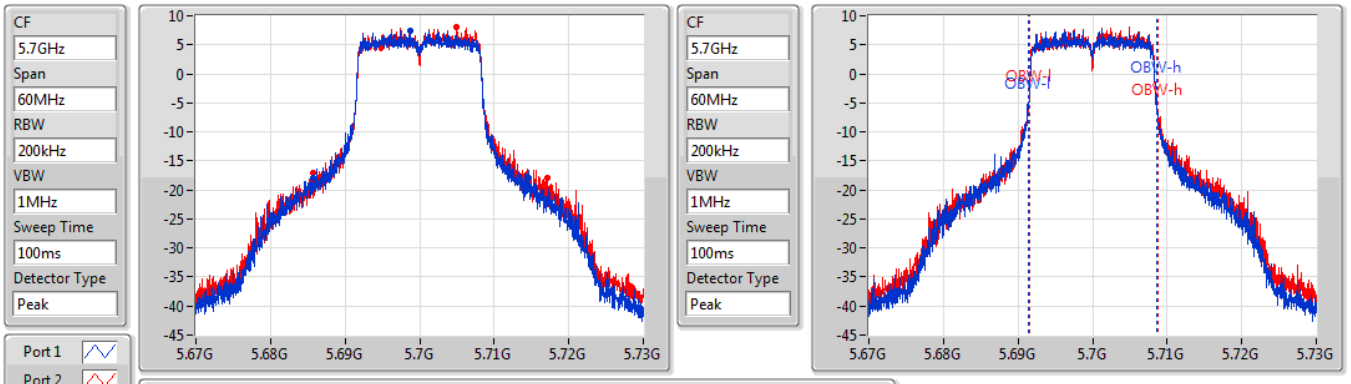


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.15M	5.5632G	5.59635G	17.811M	5.571154G	5.588966G	Inf	1
38.01M	5.56245G	5.60046G	18.771M	5.571004G	5.589775G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5700MHz

02/11/2020

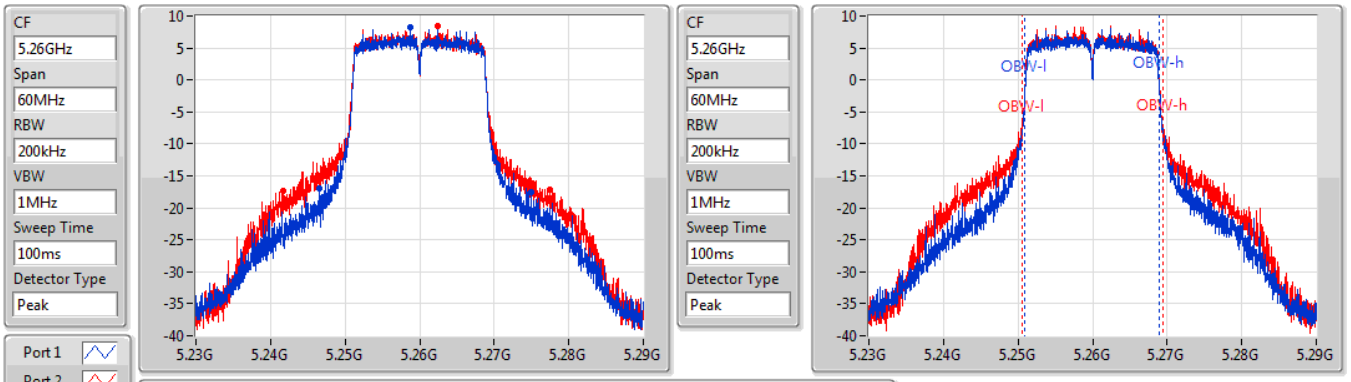


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.95M	5.68575G	5.7147G	17.121M	5.691424G	5.708546G	Inf	1
31.44M	5.68563G	5.71707G	17.211M	5.691484G	5.708696G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5260MHz

02/11/2020

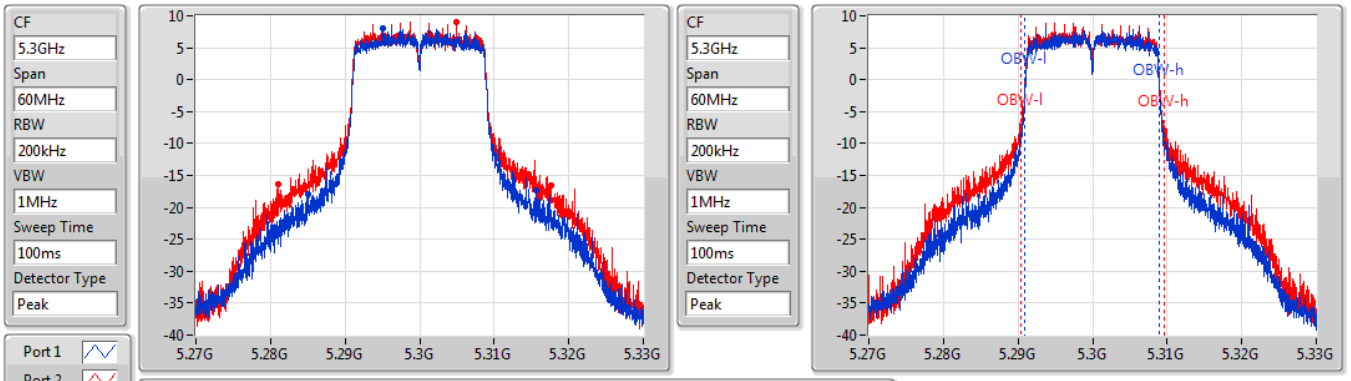


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.38M	5.24662G	5.275G	18.021M	5.250975G	5.268996G	Inf	1
35.85M	5.24164G	5.27749G	18.891M	5.250495G	5.269385G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5300MHz

02/11/2020

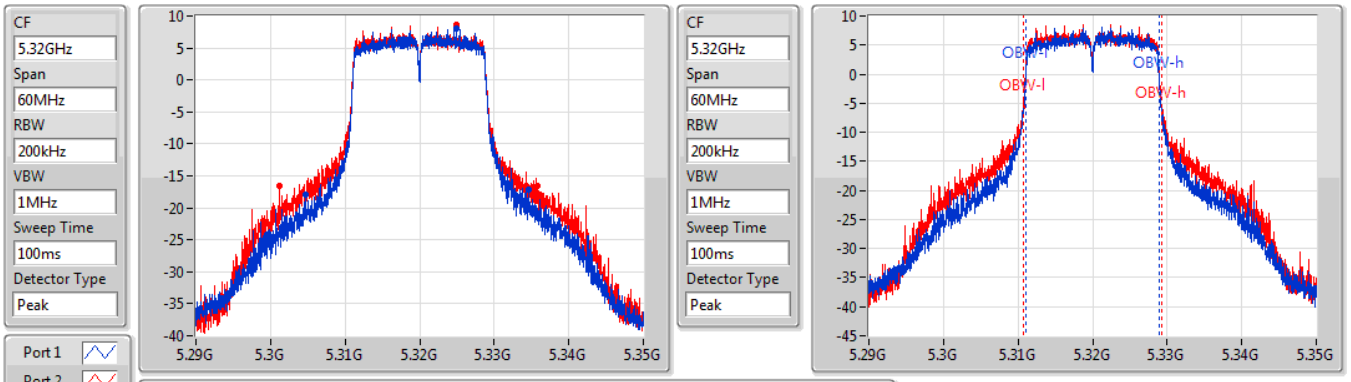


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.45M	5.28512G	5.31557G	18.021M	5.290975G	5.308996G	Inf	1
36.63M	5.28101G	5.31764G	19.22M	5.290375G	5.309595G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5320MHz

02/11/2020

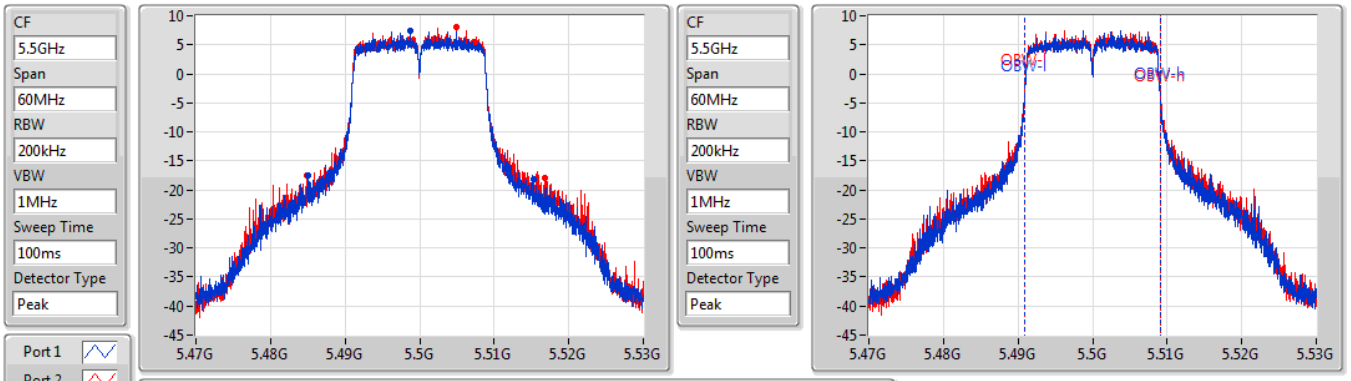


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.82M	5.30473G	5.33455G	17.991M	5.311004G	5.328996G	Inf	1
34.56M	5.30119G	5.33575G	18.651M	5.310675G	5.329325G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5500MHz

02/11/2020

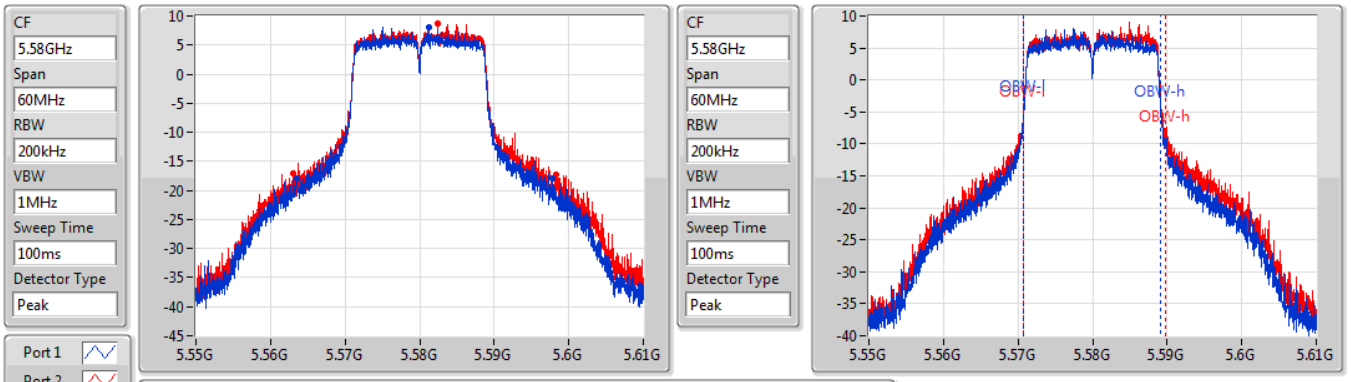


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.12M	5.48512G	5.51524G	18.111M	5.490945G	5.509055G	Inf	1
31.86M	5.48494G	5.5168G	18.141M	5.490975G	5.509115G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5580MHz

02/11/2020

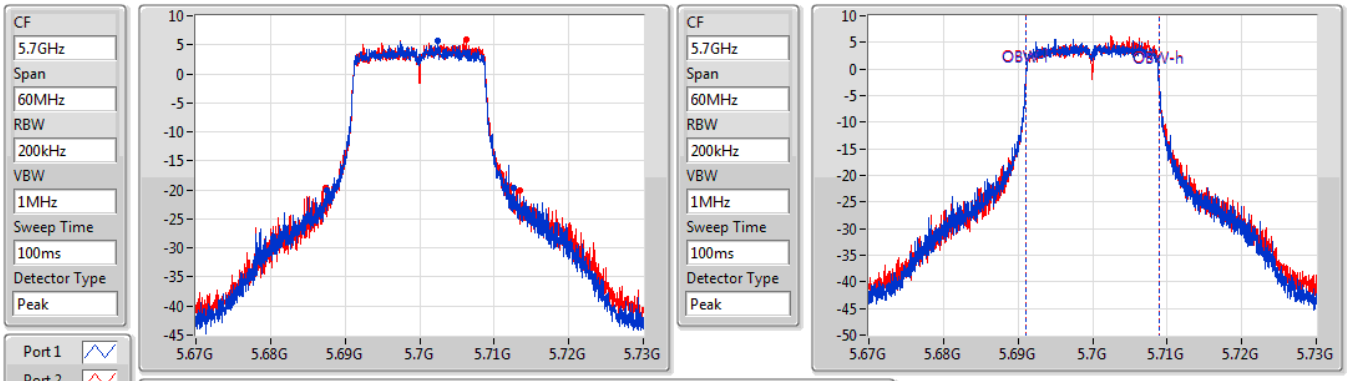


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.38M	5.56347G	5.59785G	18.381M	5.570795G	5.589175G	Inf	1
35.22M	5.56311G	5.59833G	19.01M	5.570735G	5.589745G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5700MHz

02/11/2020

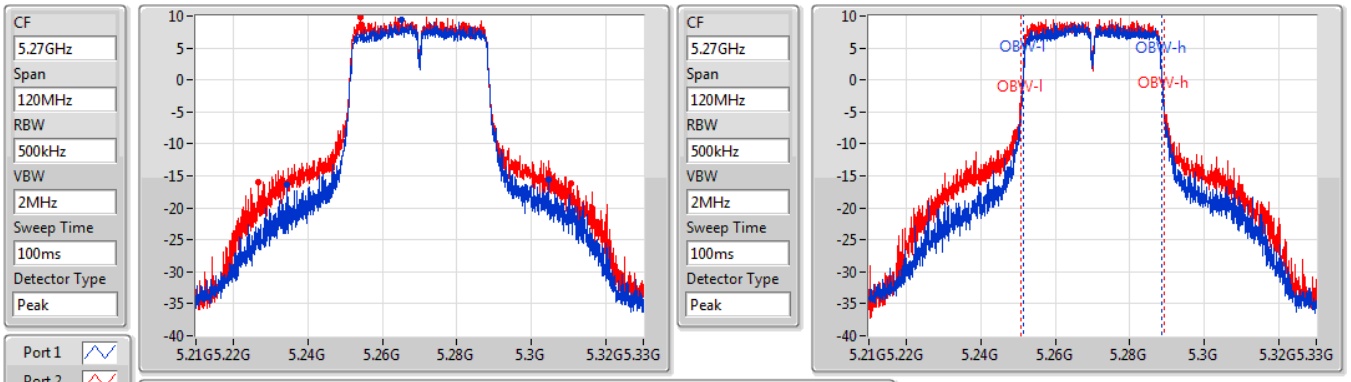


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.99M	5.68761G	5.7126G	17.931M	5.691004G	5.708936G	Inf	1
26.07M	5.68737G	5.71344G	17.931M	5.691034G	5.708966G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5270MHz

02/11/2020

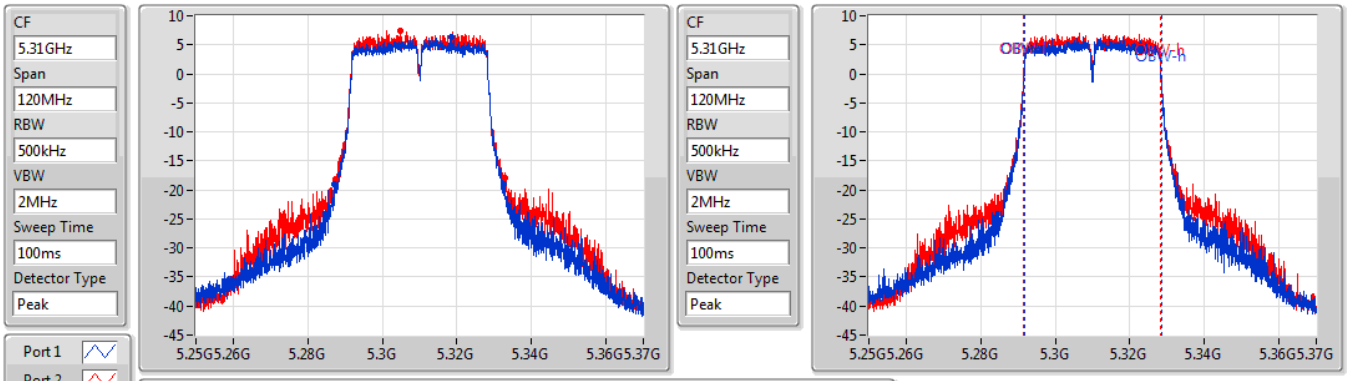


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
70.2M	5.23454G	5.30474G	37.181M	5.251469G	5.288651G	Inf	1
83.7M	5.2268G	5.3105G	38.501M	5.25063G	5.28913G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5310MHz

02/11/2020

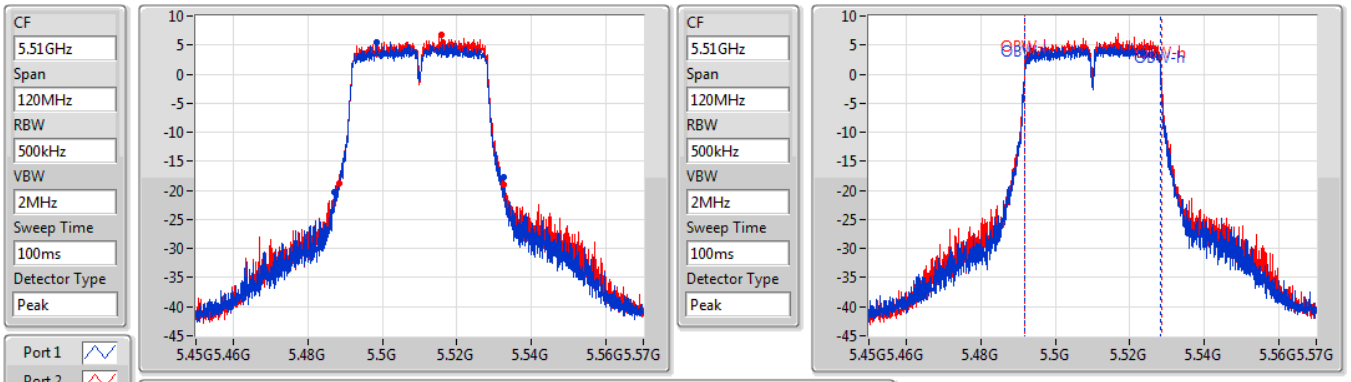


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.48M	5.28708G	5.33256G	36.762M	5.291649G	5.328411G	Inf	1
45.36M	5.28756G	5.33292G	36.762M	5.291589G	5.328351G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5510MHz

02/11/2020

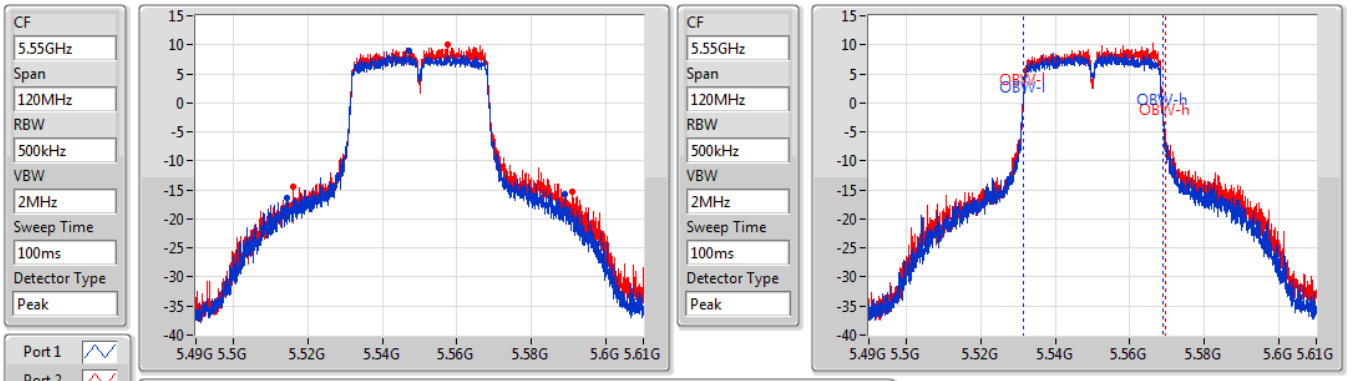


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.48M	5.4872G	5.53268G	36.702M	5.491649G	5.528351G	Inf	1
44.4M	5.48828G	5.53268G	36.702M	5.491709G	5.528411G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5550MHz

02/11/2020

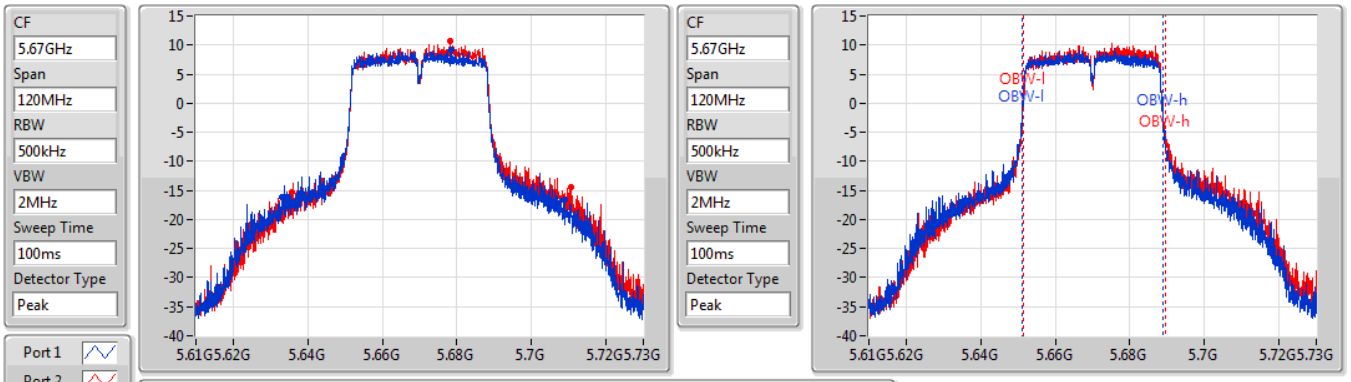


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
74.52M	5.51442G	5.58894G	37.661M	5.531289G	5.568951G	Inf	1
75.12M	5.51598G	5.5911G	38.021M	5.531409G	5.56943G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5670MHz

02/11/2020

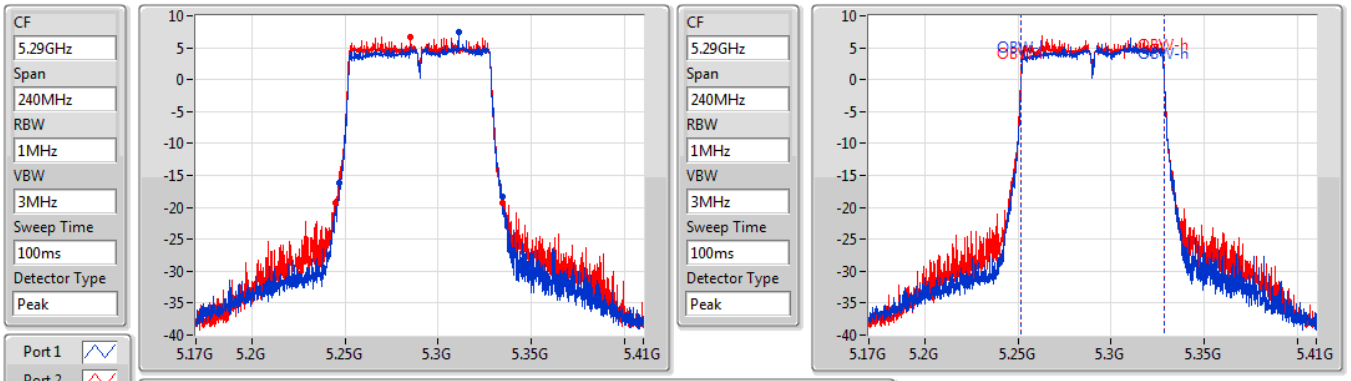


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.84M	5.6331G	5.70894G	37.901M	5.651049G	5.688951G	Inf	1
74.76M	5.63586G	5.71062G	38.081M	5.651469G	5.68955G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5290MHz

02/11/2020

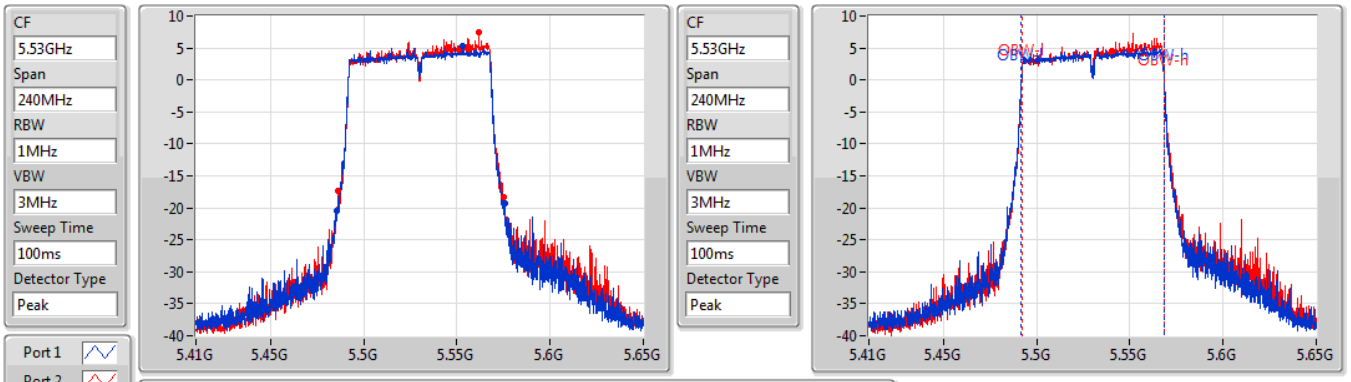


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
87.48M	5.24668G	5.33416G	76.522M	5.251859G	5.328381G	Inf	1
89.4M	5.245G	5.3344G	76.762M	5.251619G	5.328381G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5530MHz

02/11/2020

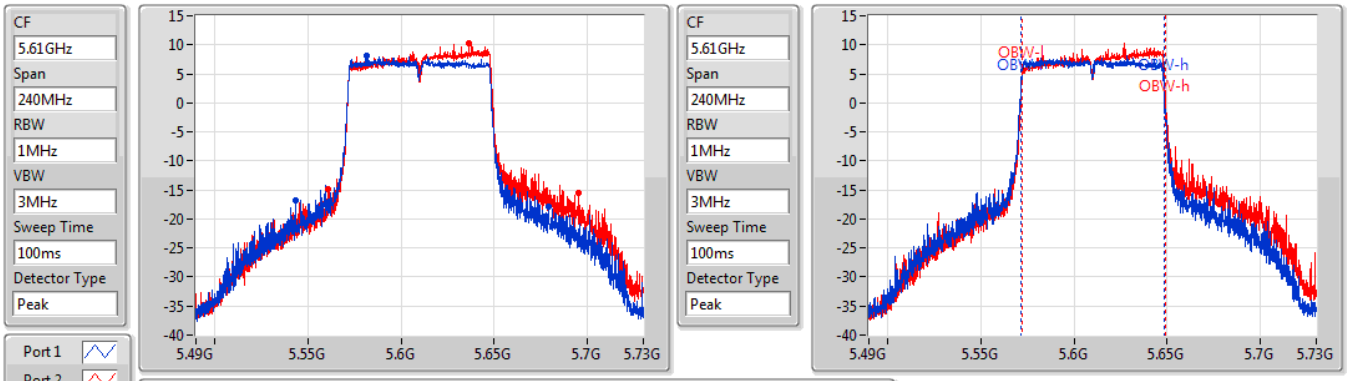


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
89.76M	5.48572G	5.57548G	76.522M	5.491859G	5.568381G	Inf	1
88.68M	5.4862G	5.57488G	76.522M	5.491979G	5.568501G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5610MHz

02/11/2020



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
135.6M	5.54328G	5.67888G	77.121M	5.571379G	5.648501G	Inf	1
134.52M	5.56092G	5.69544G	77.361M	5.571979G	5.64934G	Inf	2

Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.34	0.17140
802.11ac VHT20_Nss1,(MCS0)_2TX	21.92	0.15560
802.11ac VHT40_Nss1,(MCS0)_2TX	21.55	0.14289
802.11ac VHT80_Nss1,(MCS0)_2TX	17.78	0.05998
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.06	0.16069
802.11ac VHT20_Nss1,(MCS0)_2TX	21.66	0.14655
802.11ac VHT40_Nss1,(MCS0)_2TX	21.72	0.14859
802.11ac VHT80_Nss1,(MCS0)_2TX	20.39	0.10940

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	3.50	18.67	19.11	21.91	23.98
5300MHz	Pass	3.50	18.96	19.47	22.23	23.98
5320MHz	Pass	3.50	19.19	19.46	22.34	23.98
5500MHz	Pass	3.50	18.20	18.54	21.38	23.98
5580MHz	Pass	3.50	18.73	19.35	22.06	23.98
5700MHz	Pass	3.50	17.70	18.33	21.04	23.98
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	3.50	18.35	18.73	21.55	23.98
5300MHz	Pass	3.50	18.66	19.14	21.92	23.98
5320MHz	Pass	3.50	18.49	18.88	21.70	23.98
5500MHz	Pass	3.50	17.73	18.14	20.95	23.98
5580MHz	Pass	3.50	18.30	18.97	21.66	23.98
5700MHz	Pass	3.50	16.23	16.40	19.33	23.98
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	3.50	18.26	18.80	21.55	23.98
5310MHz	Pass	3.50	15.62	16.27	18.97	23.98
5510MHz	Pass	3.50	14.77	15.29	18.05	23.98
5550MHz	Pass	3.50	18.04	18.73	21.41	23.98
5670MHz	Pass	3.50	18.61	18.80	21.72	23.98
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	3.50	14.54	14.98	17.78	23.98
5530MHz	Pass	3.50	14.09	14.58	17.35	23.98
5610MHz	Pass	3.50	16.99	17.73	20.39	23.98

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

Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.17
802.11ac VHT20_Nss1,(MCS0)_2TX	8.69
802.11ac VHT40_Nss1,(MCS0)_2TX	5.51
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.61
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.00
802.11ac VHT20_Nss1,(MCS0)_2TX	8.90
802.11ac VHT40_Nss1,(MCS0)_2TX	5.62
802.11ac VHT80_Nss1,(MCS0)_2TX	1.27

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

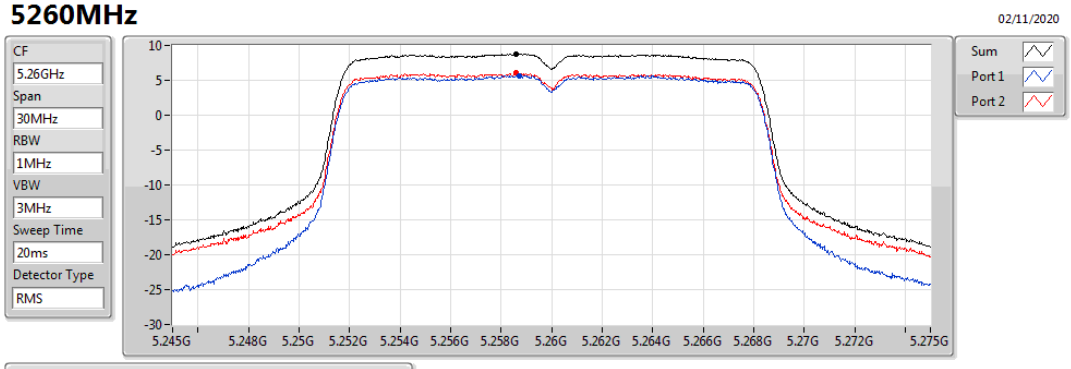
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	6.31	5.64	6.04	8.82	10.69
5300MHz	Pass	6.31	5.88	6.35	9.02	10.69
5320MHz	Pass	6.31	6.20	6.36	9.17	10.69
5500MHz	Pass	6.31	5.07	5.40	8.20	10.69
5580MHz	Pass	6.31	5.72	6.39	9.00	10.69
5700MHz	Pass	6.31	4.86	5.42	8.09	10.69
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	6.31	5.39	5.63	8.46	10.69
5300MHz	Pass	6.31	5.57	5.93	8.69	10.69
5320MHz	Pass	6.31	5.52	5.51	8.44	10.69
5500MHz	Pass	6.31	4.83	5.35	8.03	10.69
5580MHz	Pass	6.31	5.62	6.21	8.90	10.69
5700MHz	Pass	6.31	3.21	3.65	6.17	10.69
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	6.31	2.52	2.73	5.51	10.69
5310MHz	Pass	6.31	-0.35	0.02	2.70	10.69
5510MHz	Pass	6.31	-1.44	-0.77	1.79	10.69
5550MHz	Pass	6.31	1.98	2.94	5.29	10.69
5670MHz	Pass	6.31	2.51	3.02	5.62	10.69
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	6.31	-4.56	-4.50	-1.61	10.69
5530MHz	Pass	6.31	-4.80	-4.02	-1.45	10.69
5610MHz	Pass	6.31	-2.28	-0.72	1.27	10.69

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

802.11a_Nss1,(6Mbps)_2TX PSD

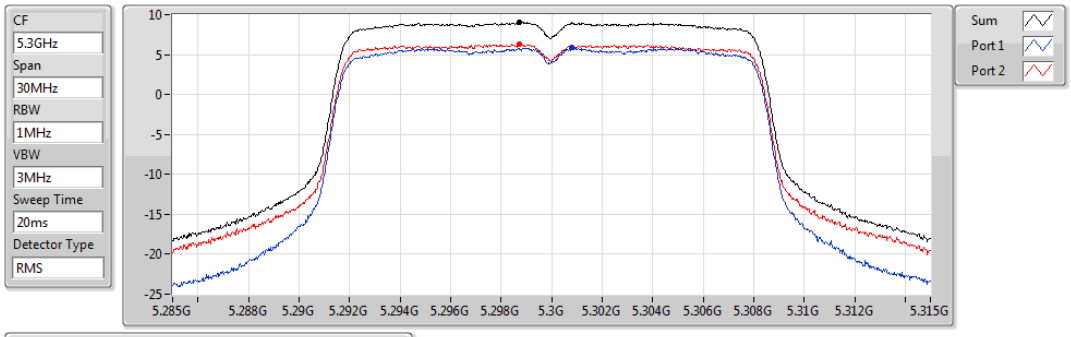
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.82	8.82	5.64	6.04

802.11a_Nss1,(6Mbps)_2TX PSD

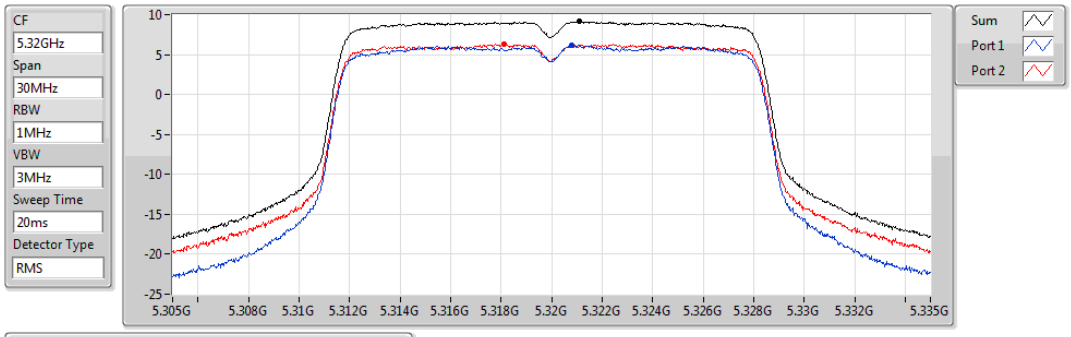
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.02	9.02	5.88	6.35

802.11a_Nss1,(6Mbps)_2TX PSD

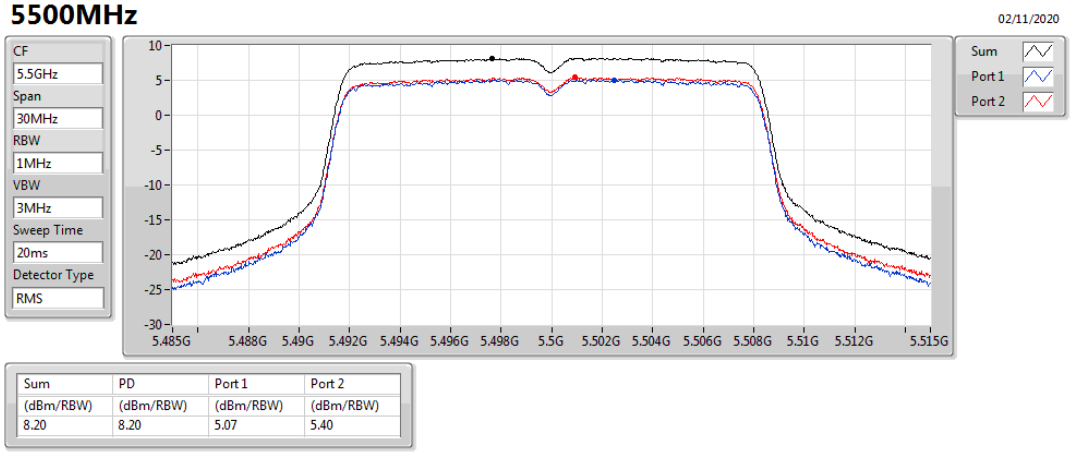
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.17	9.17	6.20	6.36

802.11a_Nss1,(6Mbps)_2TX PSD

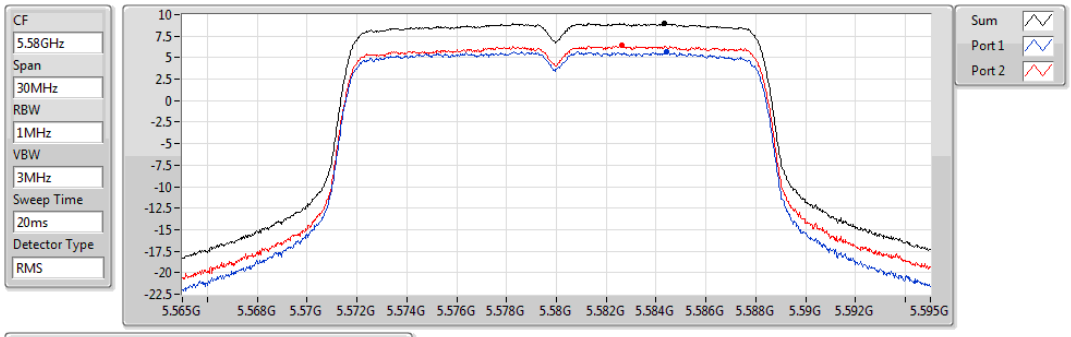
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.20	8.20	5.07	5.40

802.11a_Nss1,(6Mbps)_2TX PSD

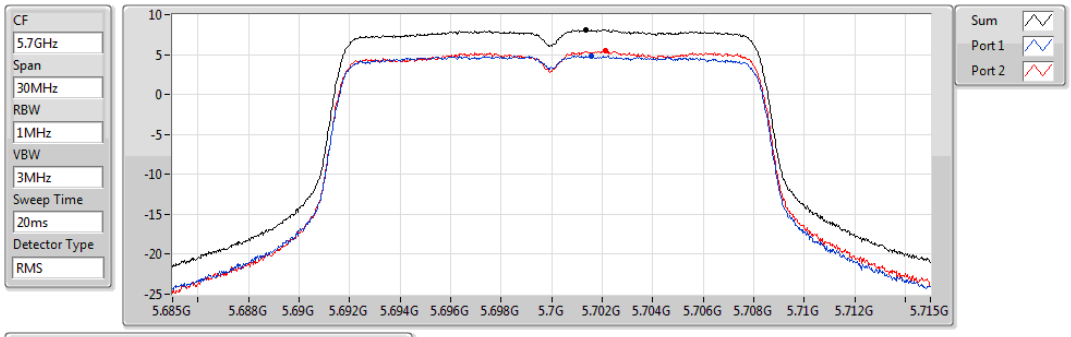
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.00	9.00	5.72	6.39

802.11a_Nss1,(6Mbps)_2TX PSD

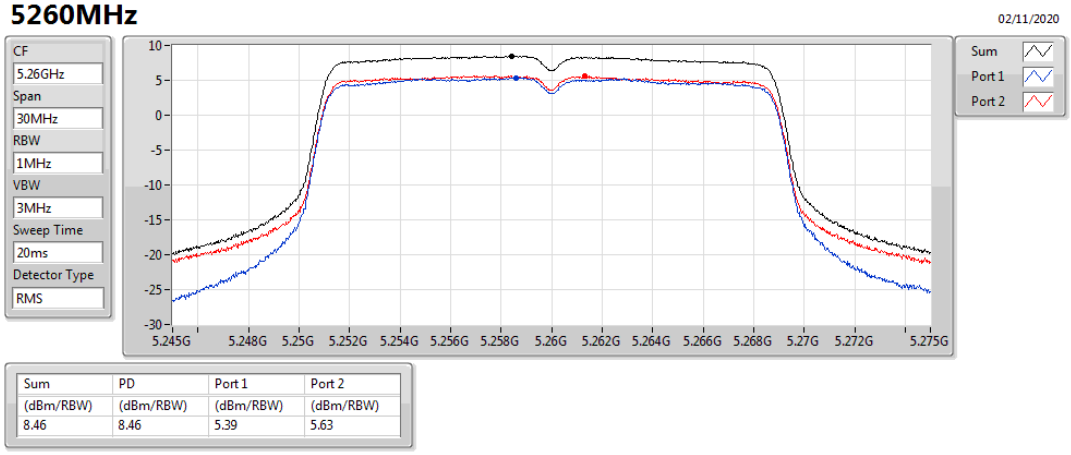
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.09	8.09	4.86	5.42

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

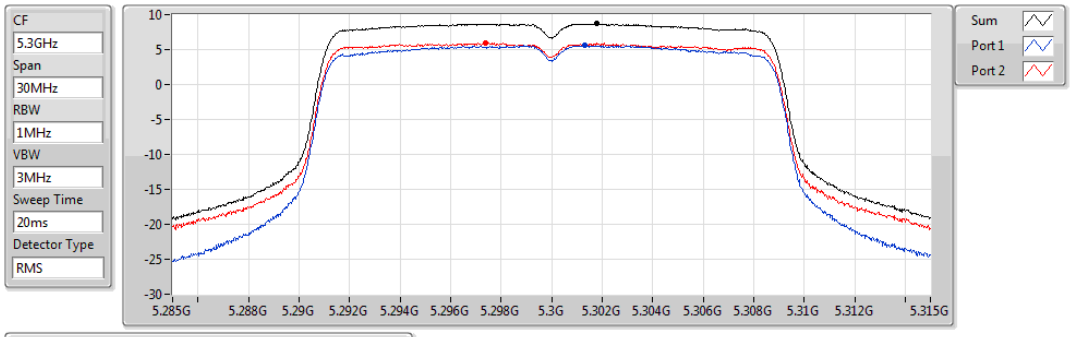
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.46	8.46	5.39	5.63

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

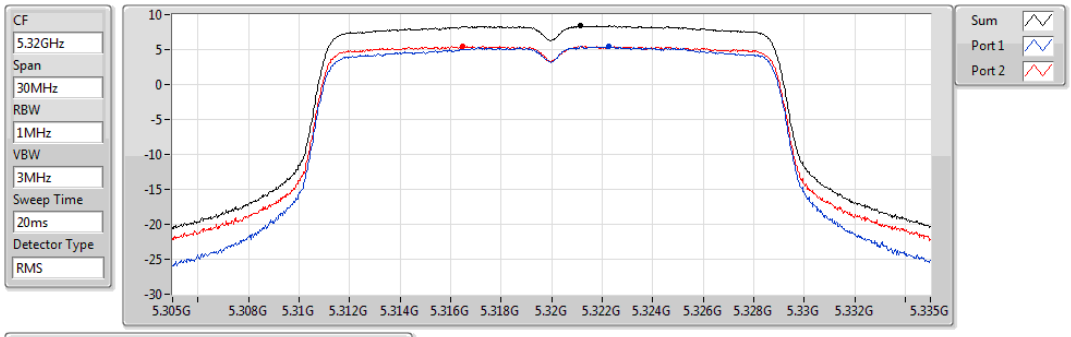
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.69	8.69	5.57	5.93

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

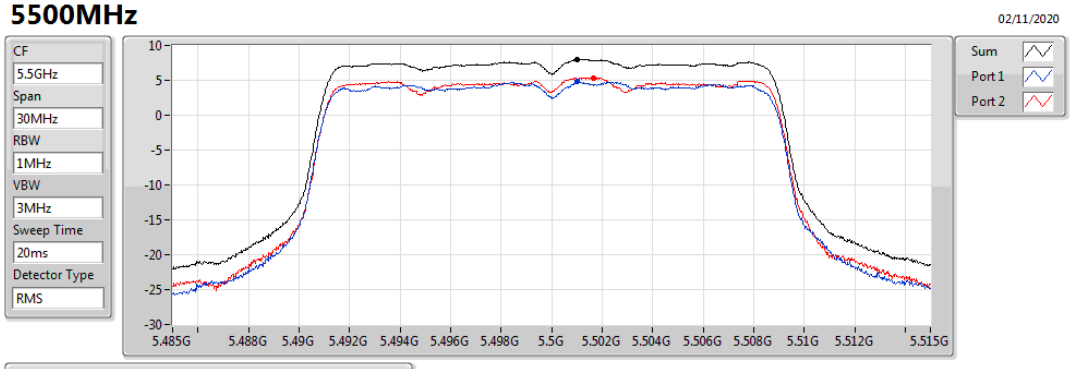
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.44	8.44	5.52	5.51

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

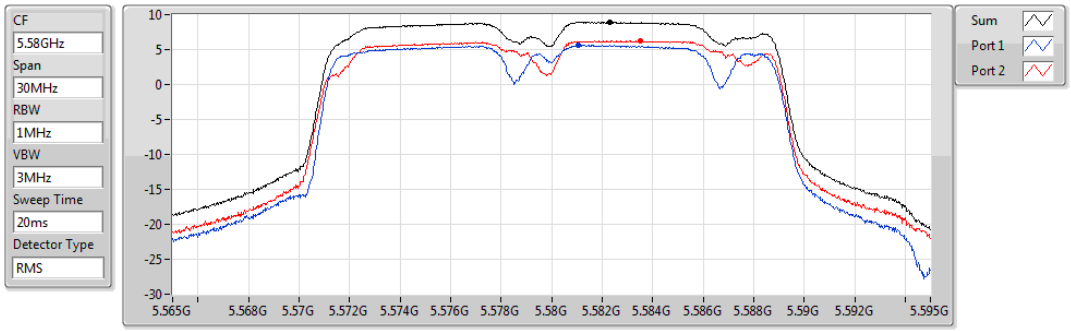
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.03	8.03	4.83	5.35

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

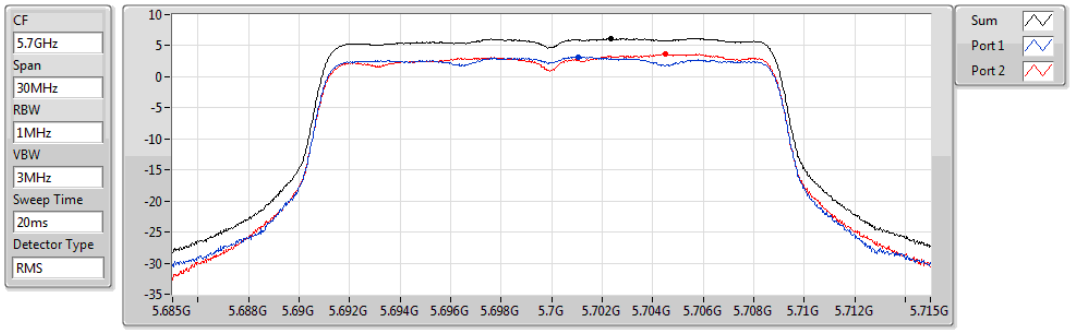
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.90	8.90	5.62	6.21

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

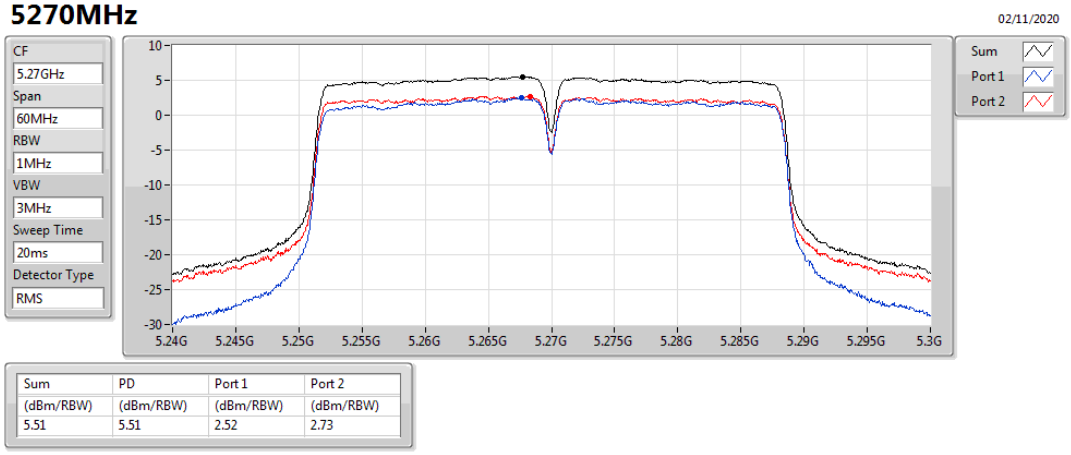
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.17	6.17	3.21	3.65

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

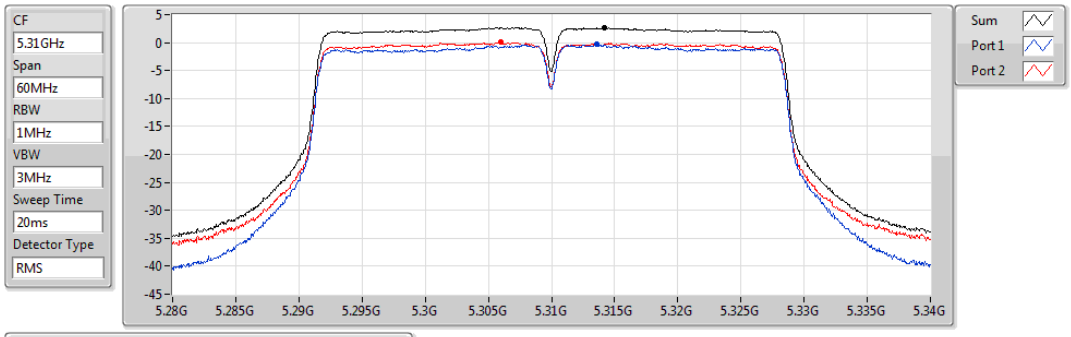
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.51	5.51	2.52	2.73

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

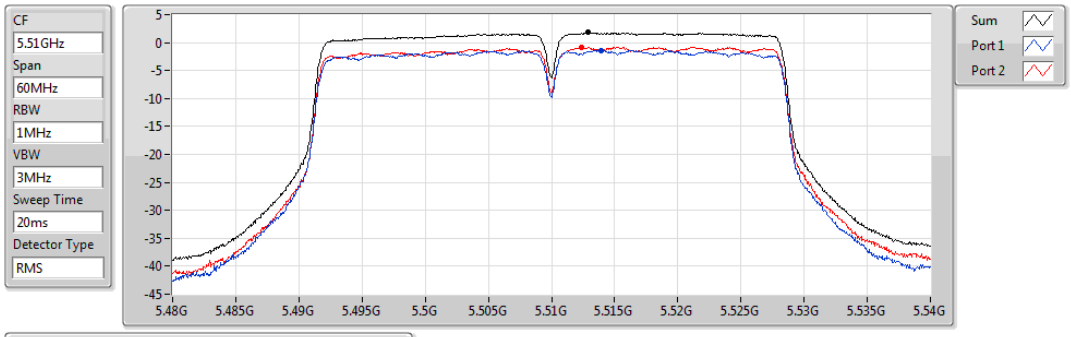
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.70	2.70	-0.35	0.02

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

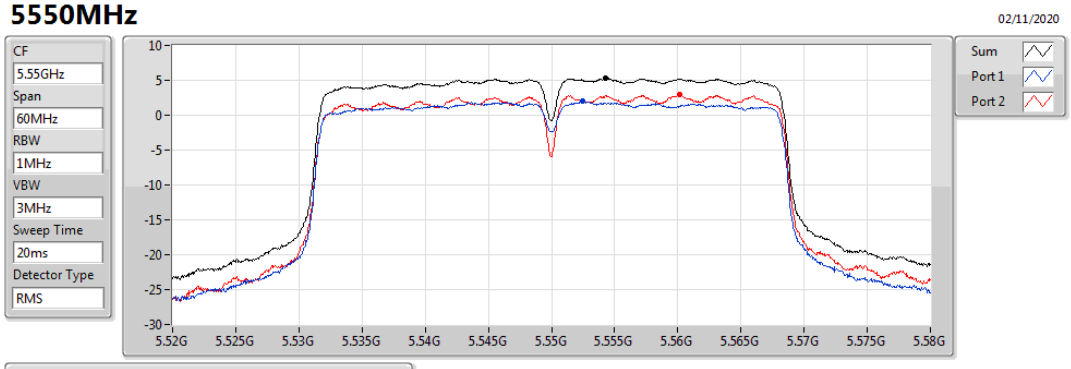
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.79	1.79	-1.44	-0.77

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

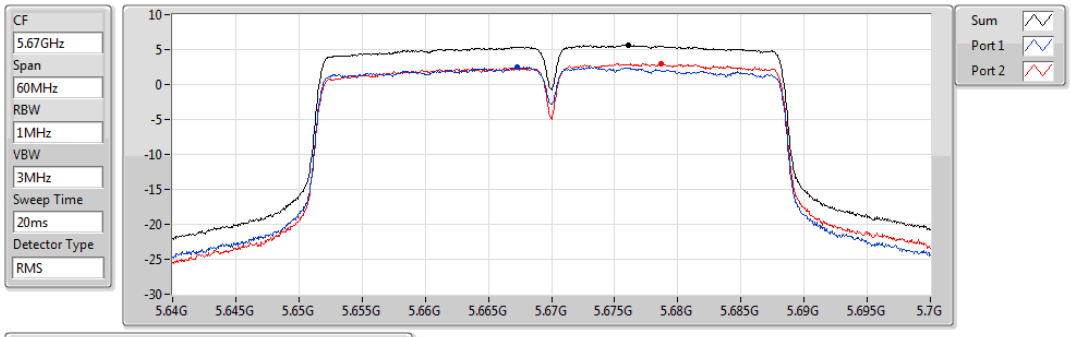
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.29	5.29	1.98	2.94

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

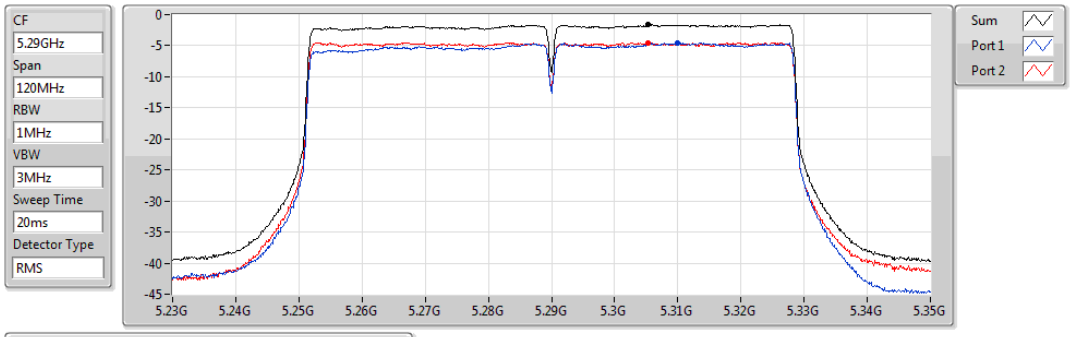
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.62	5.62	2.51	3.02

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

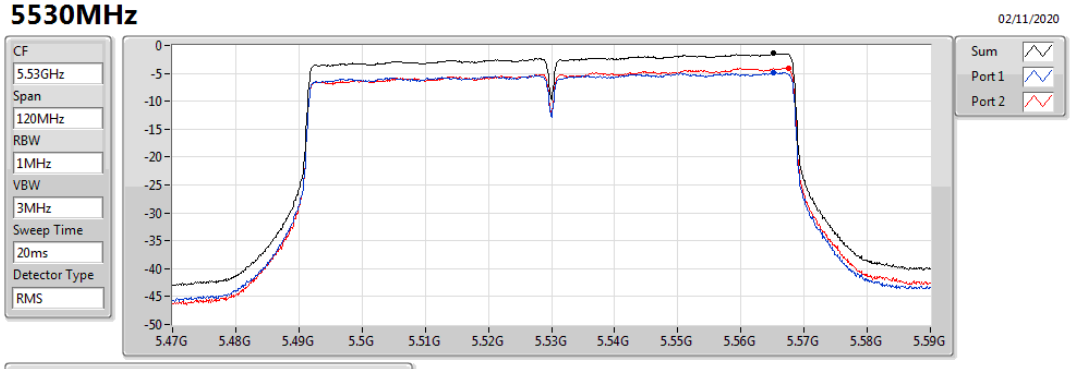
5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.61	-1.61	-4.56	-4.50

802.11ac VHT80_Nss1,(MCS0)_2TX **PSD**

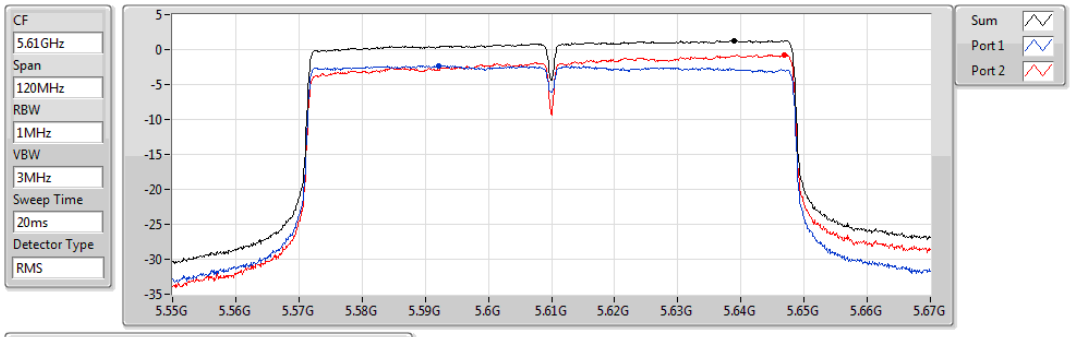
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.45	-1.45	-4.80	-4.02

802.11ac VHT80_Nss1,(MCS0)_2TX **PSD**

5610MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.27	1.27	-2.28	-0.72

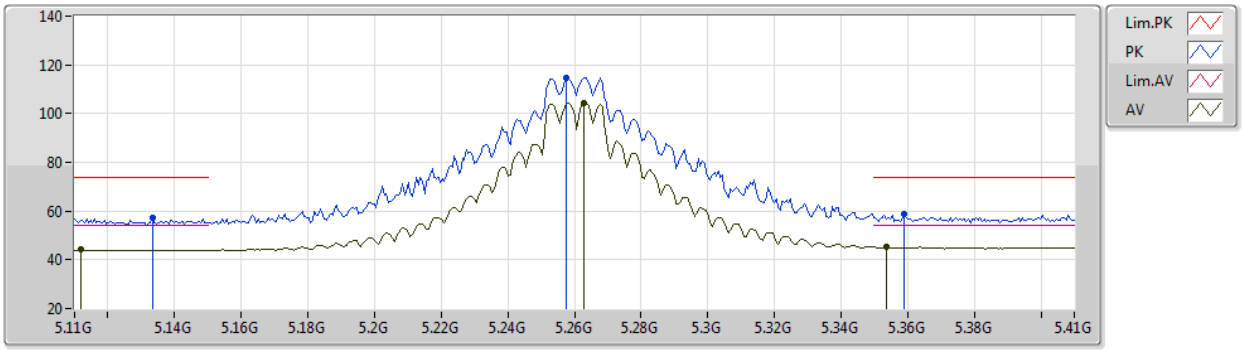
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.3502G	53.99	54.00	-0.01	3	Vertical	139	2.44	-

802.11a_Nss1,(6Mbps)_2TX

29/10/2020

5260MHz_TX



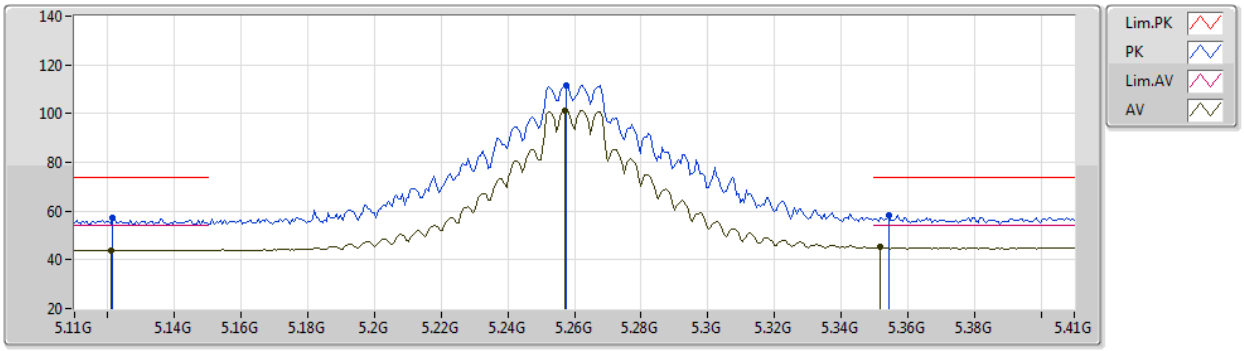
EUT Z_2TX
Setting 23
01-A-J-7-10

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	5.1334G	57.18	74.00	-16.82	53.91	3	Vertical	263	2.37	-	32.73	5.17	34.63
AV	5.1118G	44.10	54.00	-9.90	40.78	3	Vertical	263	2.37	-	32.78	5.16	34.62
PK	5.2576G	114.90	Inf	-Inf	111.38	3	Vertical	263	2.37	-	32.93	5.26	34.67
AV	5.263G	104.34	Inf	-Inf	100.80	3	Vertical	263	2.37	-	32.95	5.26	34.67
PK	5.359G	58.72	74.00	-15.28	54.95	3	Vertical	263	2.37	-	33.12	5.36	34.71
AV	5.3536G	45.57	54.00	-8.43	41.82	3	Vertical	263	2.37	-	33.11	5.35	34.71

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

29/10/2020



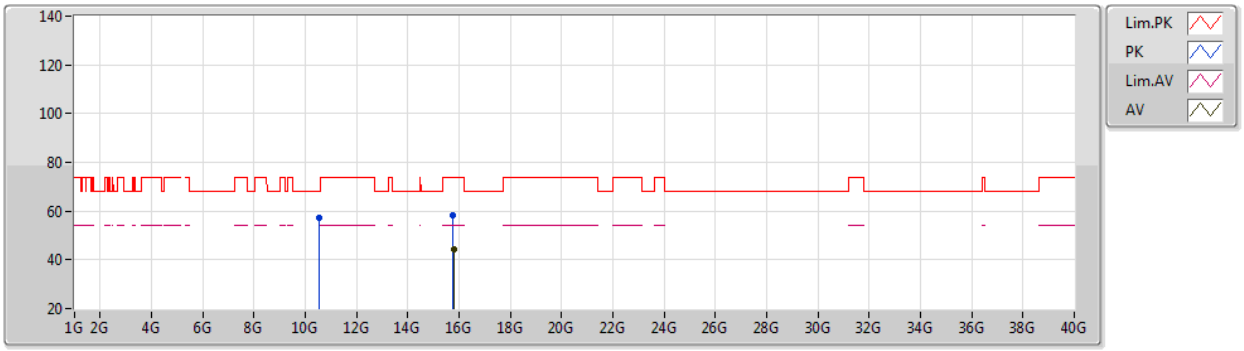
EUT Z_2TX
Setting 23
01-A-J-7-10

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	5.1214G	57.15	74.00	-16.85	53.85	3	Horizontal	231	2.57	-	32.76	5.16	34.62
AV	5.1208G	44.05	54.00	-9.95	40.75	3	Horizontal	231	2.57	-	32.76	5.16	34.62
PK	5.2576G	111.80	Inf	-Inf	108.28	3	Horizontal	231	2.57	-	32.93	5.26	34.67
AV	5.257G	101.40	Inf	-Inf	97.88	3	Horizontal	231	2.57	-	32.93	5.26	34.67
PK	5.3542G	58.41	74.00	-15.59	54.66	3	Horizontal	231	2.57	-	33.11	5.35	34.71
AV	5.3518G	45.10	54.00	-8.90	41.36	3	Horizontal	231	2.57	-	33.10	5.35	34.71

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

29/10/2020



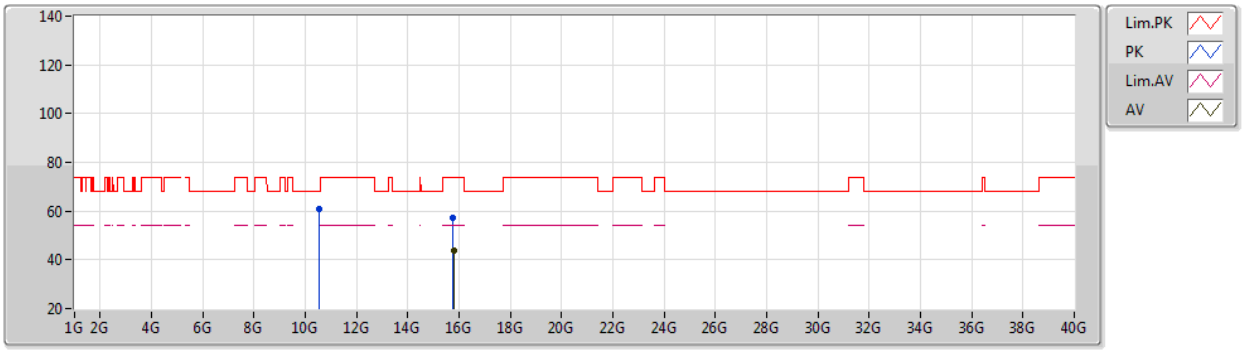
EUT Z_2TX
Setting 23
01-A-J-7

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	10.52006G	57.41	68.20	-10.79	46.68	3	Vertical	293	2.23	-	38.50	7.48	35.25
PK	15.7761G	58.44	74.00	-15.56	45.89	3	Vertical	103	2.70	-	38.35	9.26	35.06
AV	15.77926G	44.34	54.00	-9.66	31.78	3	Vertical	103	2.70	-	38.36	9.26	35.06

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

29/10/2020



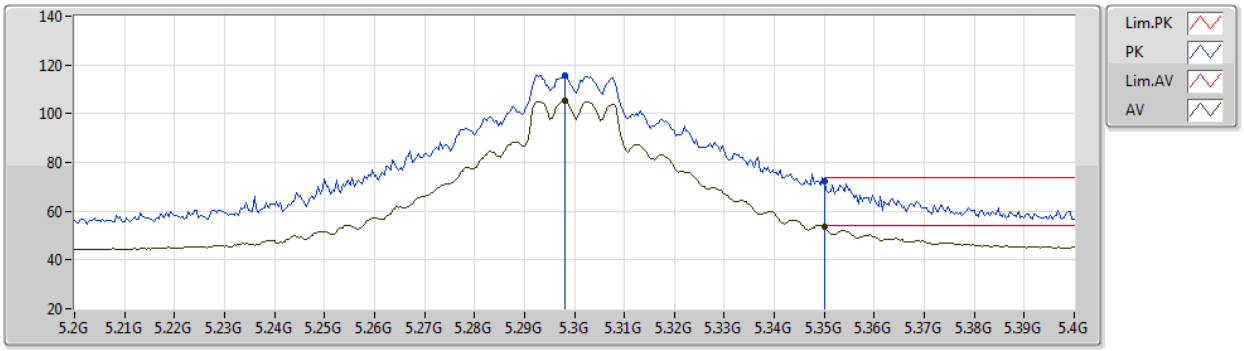
EUT Z_2TX
Setting 23
01-A-J-7

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	10.52374G	60.87	68.20	-7.33	50.14	3	Horizontal	303	2.35	-	38.50	7.48	35.25
PK	15.7776G	57.06	74.00	-16.94	44.50	3	Horizontal	194	2.45	-	38.36	9.26	35.06
AV	15.7792G	43.99	54.00	-10.01	31.43	3	Horizontal	194	2.45	-	38.36	9.26	35.06

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

29/10/2020



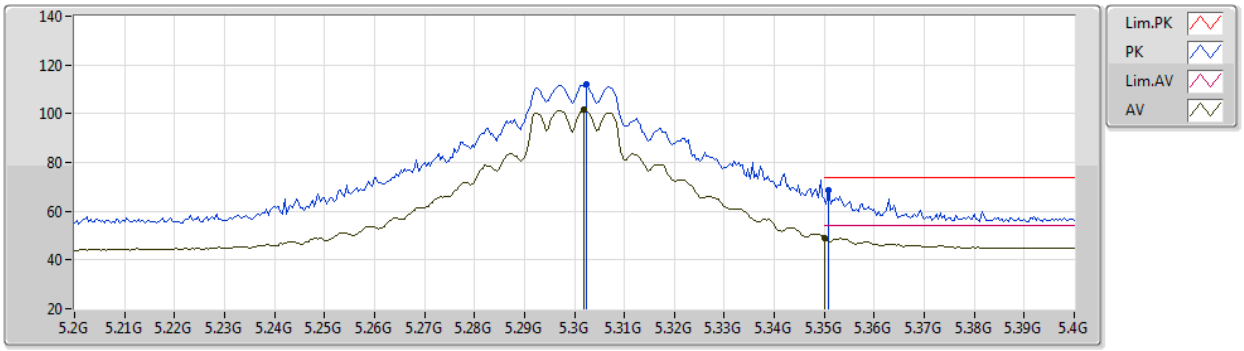
EUT Z_2TX
Setting 21.5
01-A-J-7-10

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	5.298G	115.74	Inf	-Inf	112.04	3	Vertical	45	2.48	-	33.09	5.30	34.69
AV	5.298G	105.38	Inf	-Inf	101.68	3	Vertical	45	2.48	-	33.09	5.30	34.69
PK	5.35G	72.11	74.00	-1.89	68.37	3	Vertical	45	2.48	-	33.10	5.35	34.71
AV	5.35G	53.54	54.00	-0.46	49.80	3	Vertical	45	2.48	-	33.10	5.35	34.71

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

29/10/2020



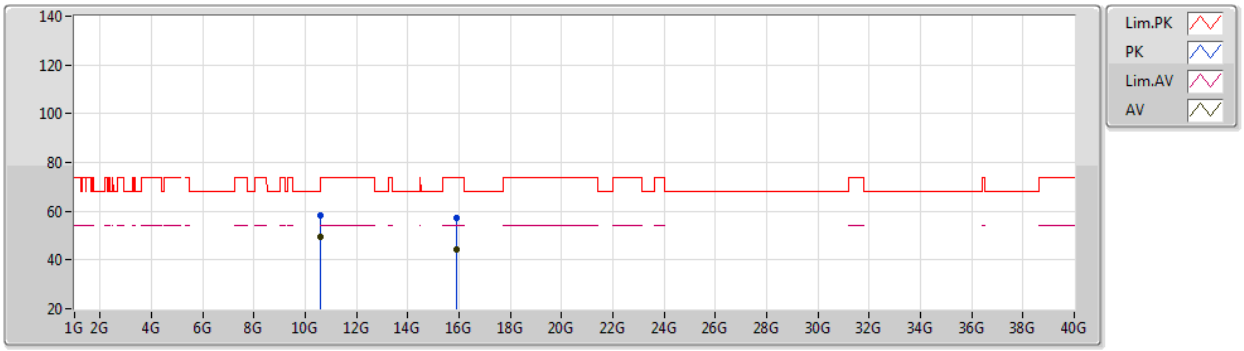
EUT Z_2TX
Setting 21.5
01-A-J-7-10

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	5.3024G	111.93	Inf	-Inf	108.22	3	Horizontal	229	2.57	-	33.10	5.30	34.69
AV	5.302G	101.47	Inf	-Inf	97.76	3	Horizontal	229	2.57	-	33.10	5.30	34.69
PK	5.3508G	68.72	74.00	-5.28	64.98	3	Horizontal	229	2.57	-	33.10	5.35	34.71
AV	5.35G	48.78	54.00	-5.22	45.04	3	Horizontal	229	2.57	-	33.10	5.35	34.71

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

29/10/2020



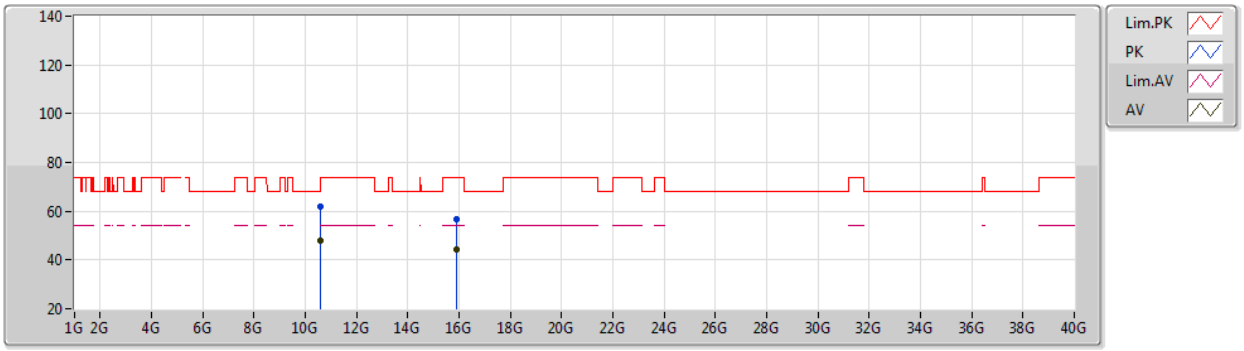
EUT Z_2TX
Setting 21.5
01-A-J-7

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	10.60169G	58.40	74.00	-15.60	47.57	3	Vertical	290	2.28	-	38.50	7.51	35.18
AV	10.60003G	49.71	54.00	-4.29	38.89	3	Vertical	290	2.28	-	38.50	7.51	35.19
PK	15.90324G	57.40	74.00	-16.60	44.81	3	Vertical	341	1.44	-	38.50	9.28	35.19
AV	15.90016G	44.06	54.00	-9.94	31.47	3	Vertical	341	1.44	-	38.50	9.28	35.19

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

29/10/2020



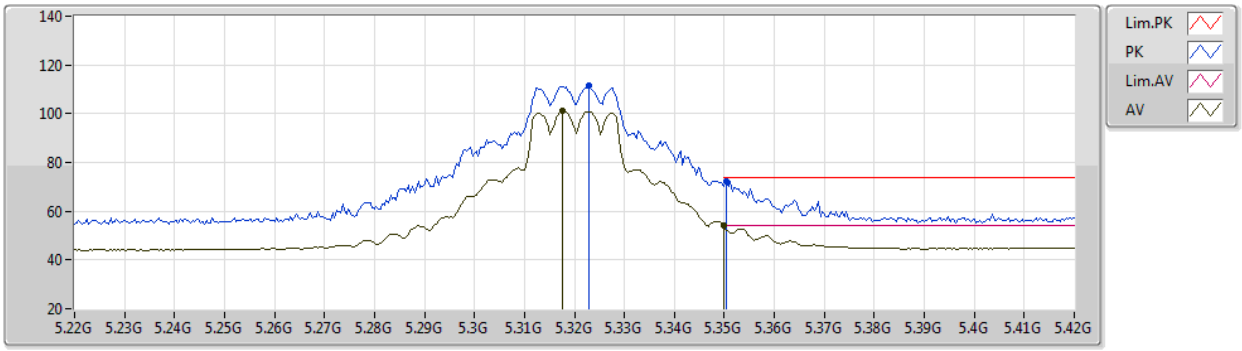
EUT Z_2TX
Setting 21.5
01-A-J-7

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	10.60308G	61.95	74.00	-12.05	51.12	3	Horizontal	303	2.36	-	38.50	7.51	35.18
AV	10.60311G	48.01	54.00	-5.99	37.18	3	Horizontal	303	2.36	-	38.50	7.51	35.18
PK	15.8979G	56.92	74.00	-17.08	44.33	3	Horizontal	321	2.09	-	38.50	9.28	35.19
AV	15.90404G	44.09	54.00	-9.91	31.50	3	Horizontal	321	2.09	-	38.50	9.28	35.19

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

29/10/2020



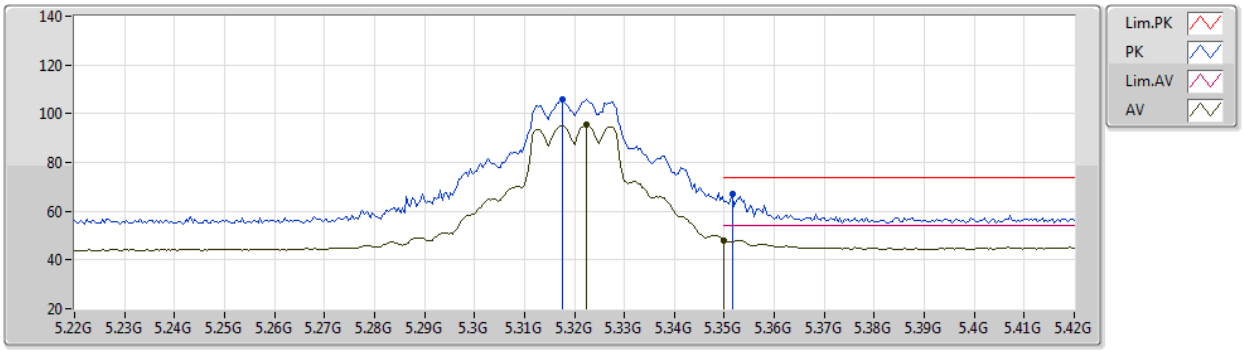
EUT Z_2TX
Setting 19
01-A-J-7-10

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	5.3228G	111.41	Inf	-Inf	107.69	3	Vertical	258	2.48	-	33.10	5.32	34.70
AV	5.3176G	101.00	Inf	-Inf	97.27	3	Vertical	258	2.48	-	33.10	5.32	34.69
PK	5.3504G	72.28	74.00	-1.72	68.54	3	Vertical	258	2.48	-	33.10	5.35	34.71
AV	5.35G	53.97	54.00	-0.03	50.23	3	Vertical	258	2.48	-	33.10	5.35	34.71

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

29/10/2020



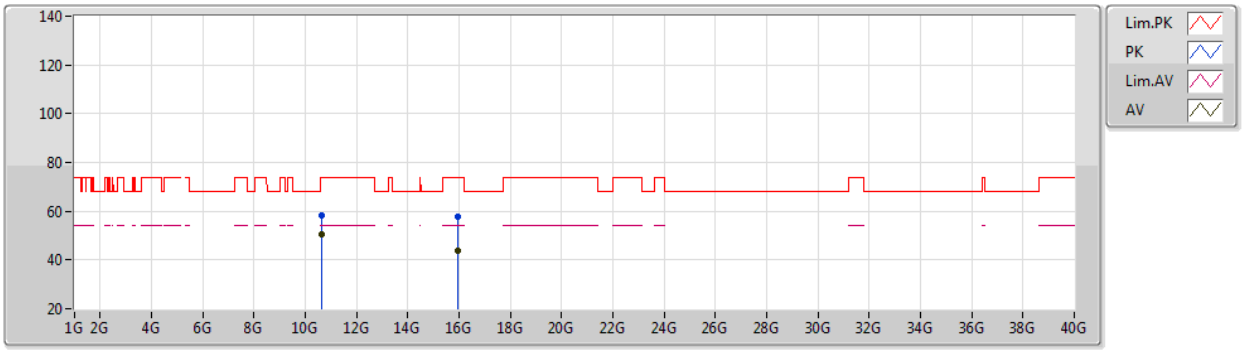
EUT Z_2TX
Setting 19
01-A-J-7-10

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	106.01	Inf	-Inf	102.28	3	Horizontal	194	2.11	-	33.10	5.32	34.69
AV	5.3224G	95.39	Inf	-Inf	91.67	3	Horizontal	194	2.11	-	33.10	5.32	34.70
PK	5.3516G	67.16	74.00	-6.84	63.42	3	Horizontal	194	2.11	-	33.10	5.35	34.71
AV	5.35G	47.86	54.00	-6.14	44.12	3	Horizontal	194	2.11	-	33.10	5.35	34.71

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

29/10/2020



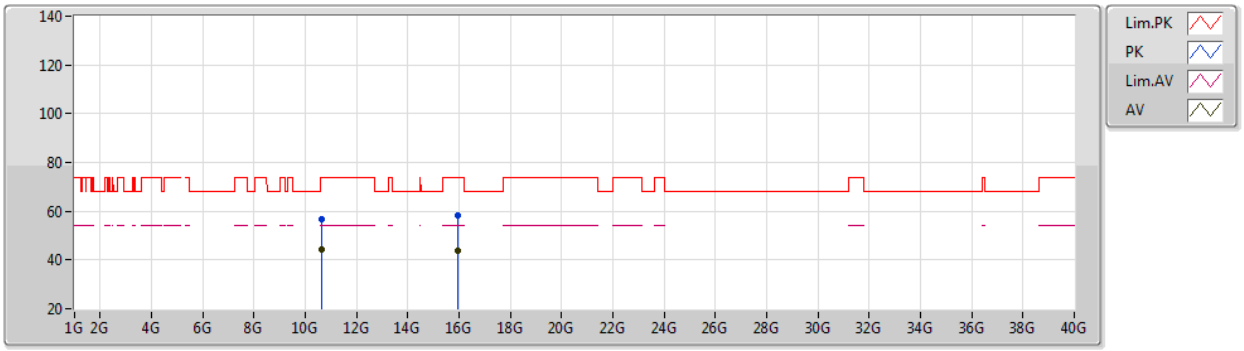
EUT Z_2TX
Setting 19
01-A-J-7

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	10.63992G	58.11	74.00	-15.89	47.24	3	Vertical	291	2.16	-	38.50	7.52	35.15
AV	10.63992G	50.28	54.00	-3.72	39.41	3	Vertical	291	2.16	-	38.50	7.52	35.15
PK	15.9554G	57.79	74.00	-16.21	45.30	3	Vertical	312	3.00	-	38.44	9.29	35.24
AV	15.95582G	43.98	54.00	-10.02	31.49	3	Vertical	312	3.00	-	38.44	9.29	35.24

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

29/10/2020



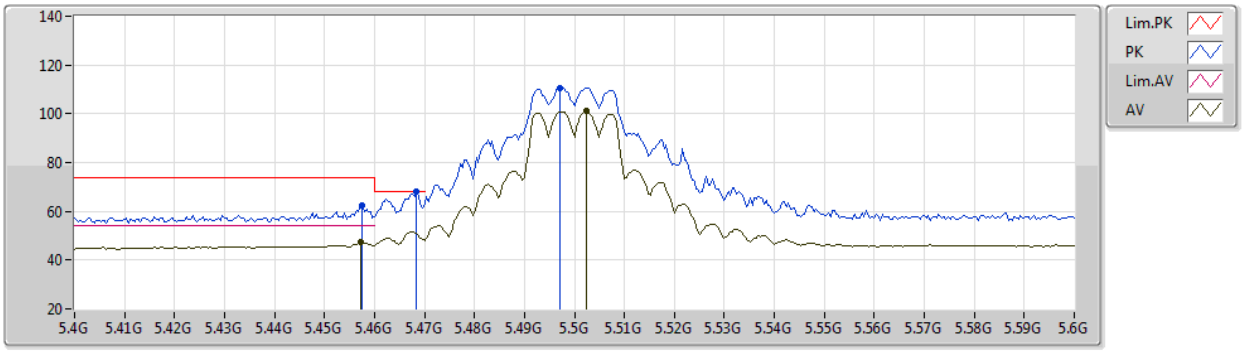
EUT Z_2TX
Setting 19
01-A-J-7

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	10.63902G	56.48	74.00	-17.52	45.61	3	Horizontal	292	1.94	-	38.50	7.52	35.15
AV	10.63994G	44.16	54.00	-9.84	33.29	3	Horizontal	292	1.94	-	38.50	7.52	35.15
PK	15.95784G	58.15	74.00	-15.85	45.67	3	Horizontal	156	2.23	-	38.44	9.29	35.25
AV	15.95532G	44.02	54.00	-9.98	31.53	3	Horizontal	156	2.23	-	38.44	9.29	35.24

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

29/10/2020



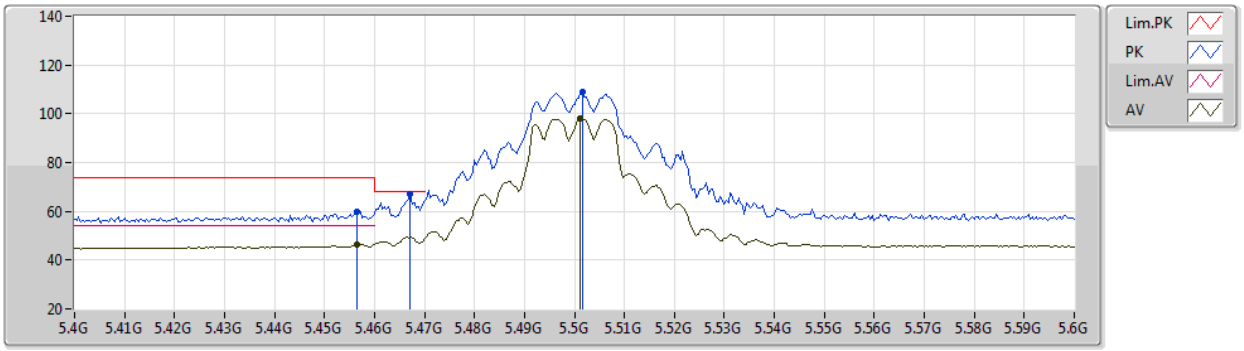
EUT Z_2TX
Setting 18
01-A-J-7-10

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	5.4576G	62.64	74.00	-11.36	58.35	3	Vertical	263	1.20	-	33.63	5.40	34.74
AV	5.4572G	47.31	54.00	-6.69	43.02	3	Vertical	263	1.20	-	33.63	5.40	34.74
PK	5.4684G	67.91	68.20	-0.29	63.59	3	Vertical	263	1.20	-	33.67	5.40	34.75
PK	5.4972G	110.59	Inf	-Inf	106.16	3	Vertical	263	1.20	-	33.79	5.40	34.76
AV	5.5024G	100.98	Inf	-Inf	96.54	3	Vertical	263	1.20	-	33.80	5.40	34.76

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

29/10/2020



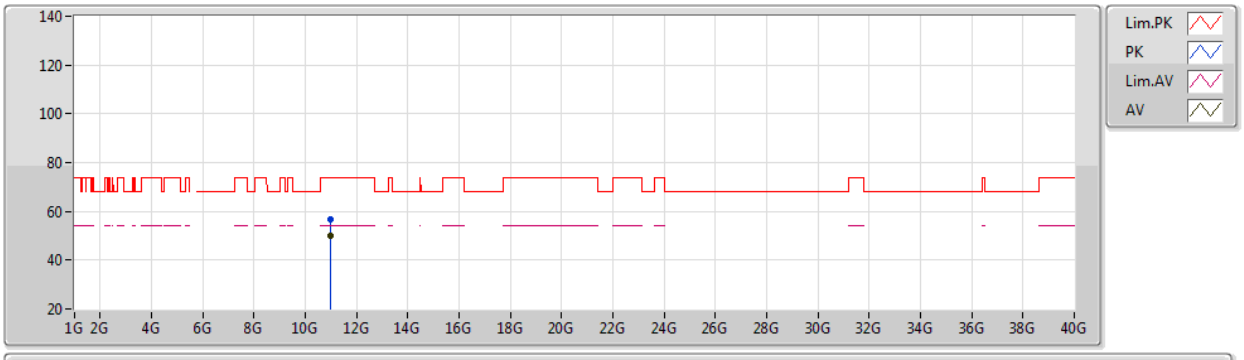
EUT Z_2TX
Setting 18
01-A-J-7-10

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	5.4564G	60.06	74.00	-13.94	55.77	3	Horizontal	230	2.45	-	33.63	5.40	34.74
AV	5.4564G	46.31	54.00	-7.69	42.02	3	Horizontal	230	2.45	-	33.63	5.40	34.74
PK	5.4672G	67.05	68.20	-1.15	62.73	3	Horizontal	230	2.45	-	33.67	5.40	34.75
PK	5.5016G	108.74	Inf	-Inf	104.30	3	Horizontal	230	2.45	-	33.80	5.40	34.76
AV	5.5012G	97.97	Inf	-Inf	93.53	3	Horizontal	230	2.45	-	33.80	5.40	34.76

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

29/10/2020



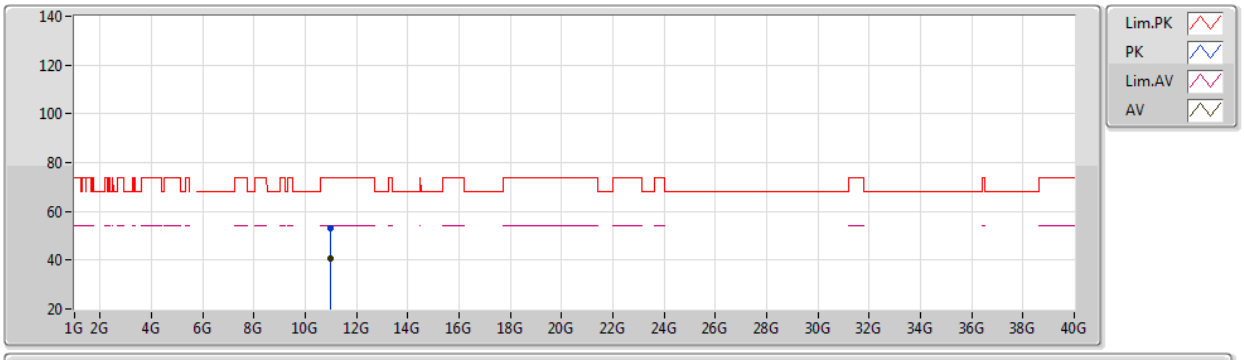
EUT Z_2TX
Setting 18
01-A-J-7

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	11G	56.80	74.00	-17.20	45.60	3	Vertical	357	2.70	-	38.40	7.65	34.85
AV	10.99996G	49.98	54.00	-4.02	38.78	3	Vertical	357	2.70	-	38.40	7.65	34.85

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

29/10/2020



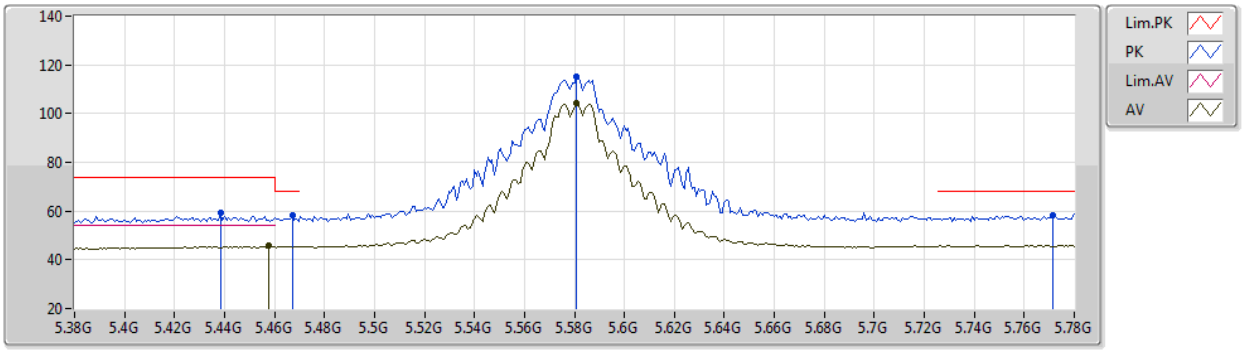
EUT Z_2TX
Setting 18
01-A-J-7

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	10.99991G	53.31	74.00	-20.69	42.11	3	Horizontal	337	1.50	-	38.40	7.65	34.85
AV	10.99997G	40.50	54.00	-13.50	29.30	3	Horizontal	337	1.50	-	38.40	7.65	34.85

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

29/10/2020



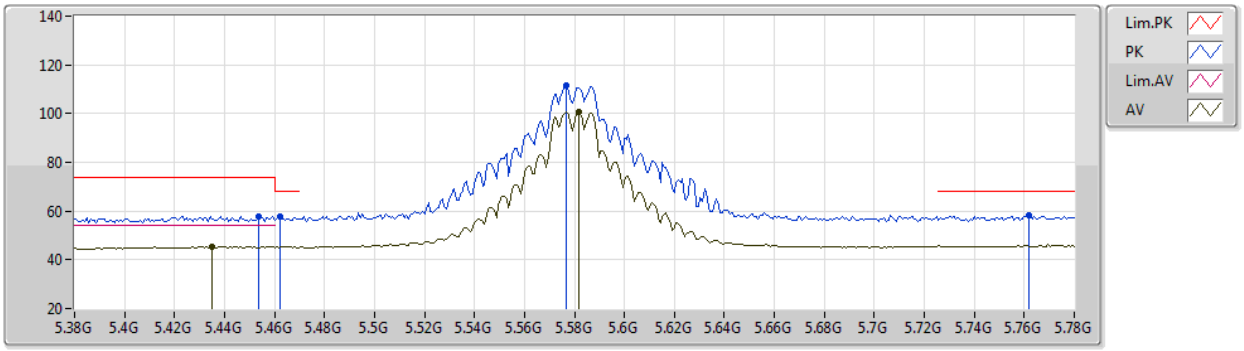
EUT Z_2TX
Setting 23
01-A-J-7-10

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	5.4384G	59.13	74.00	-14.87	54.96	3	Vertical	177	1.48	-	33.51	5.40	34.74
PK	5.4672G	58.10	68.20	-10.10	53.78	3	Vertical	177	1.48	-	33.67	5.40	34.75
AV	5.4576G	45.62	54.00	-8.38	41.33	3	Vertical	177	1.48	-	33.63	5.40	34.74
PK	5.5808G	114.99	Inf	-Inf	110.36	3	Vertical	177	1.48	-	33.96	5.40	34.73
AV	5.5808G	104.15	Inf	-Inf	99.52	3	Vertical	177	1.48	-	33.96	5.40	34.73
PK	5.7712G	58.15	68.20	-10.05	53.02	3	Vertical	177	1.48	-	34.30	5.49	34.66

802.11a_Nss1,(6Mbps)_2TX

29/10/2020

5580MHz_TX



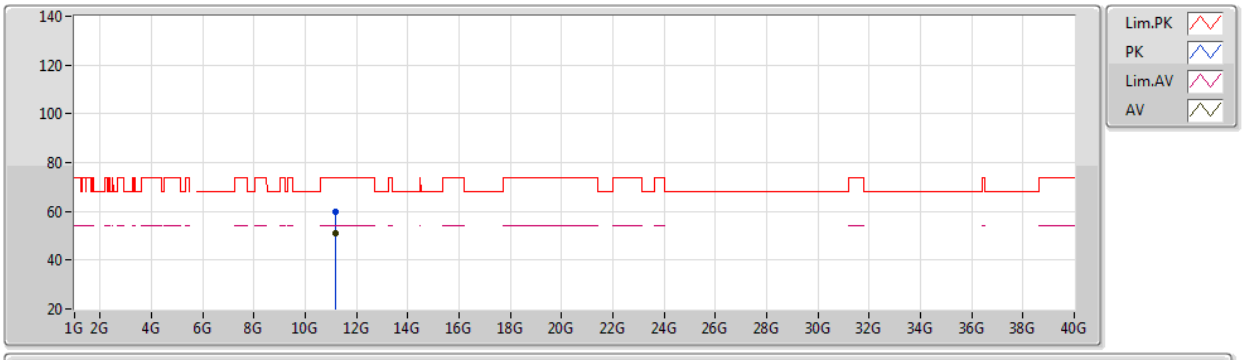
EUT Z_2TX
Setting 23
01-A-J-7-10

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	5.4536G	57.80	74.00	-16.20	53.53	3	Horizontal	230	2.38	-	33.61	5.40	34.74
AV	5.4352G	45.57	54.00	-8.43	41.43	3	Horizontal	230	2.38	-	33.48	5.40	34.74
PK	5.4624G	57.91	68.20	-10.29	53.61	3	Horizontal	230	2.38	-	33.65	5.40	34.75
PK	5.5768G	111.61	Inf	-Inf	106.99	3	Horizontal	230	2.38	-	33.95	5.40	34.73
AV	5.5816G	100.75	Inf	-Inf	96.12	3	Horizontal	230	2.38	-	33.96	5.40	34.73
PK	5.7616G	58.34	68.20	-9.86	53.22	3	Horizontal	230	2.38	-	34.30	5.48	34.66

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

29/10/2020



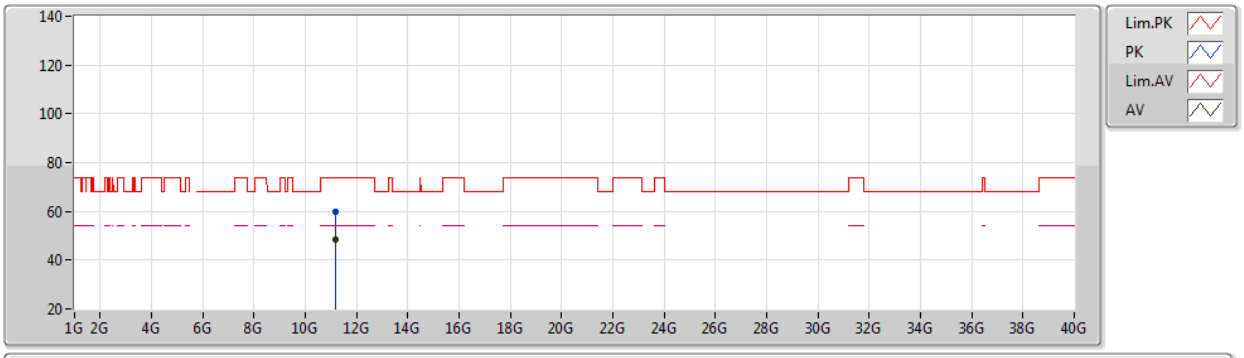
EUT Z_2TX
Setting 23
01-A-J-7

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	11.15998G	59.84	74.00	-14.16	48.67	3	Vertical	8	2.42	-	38.30	7.71	34.84
AV	11.15998G	51.26	54.00	-2.74	40.09	3	Vertical	8	2.42	-	38.30	7.71	34.84

802.11a_Nss1,(6Mbps)_2TX

29/10/2020

5580MHz_TX



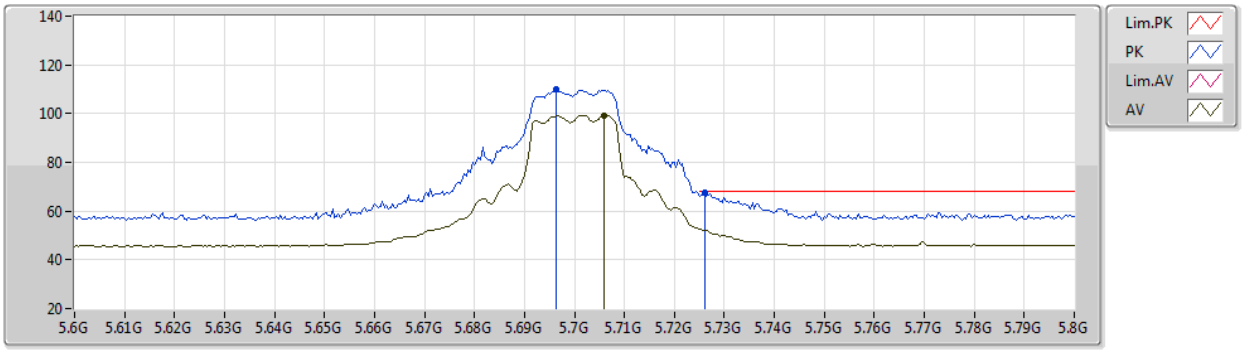
EUT Z_2TX
Setting 23
01-A-J-7

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	11.15768G	59.75	74.00	-14.25	48.58	3	Horizontal	326	3.00	-	38.30	7.71	34.84
AV	11.15994G	48.44	54.00	-5.56	37.27	3	Horizontal	326	3.00	-	38.30	7.71	34.84

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

29/10/2020



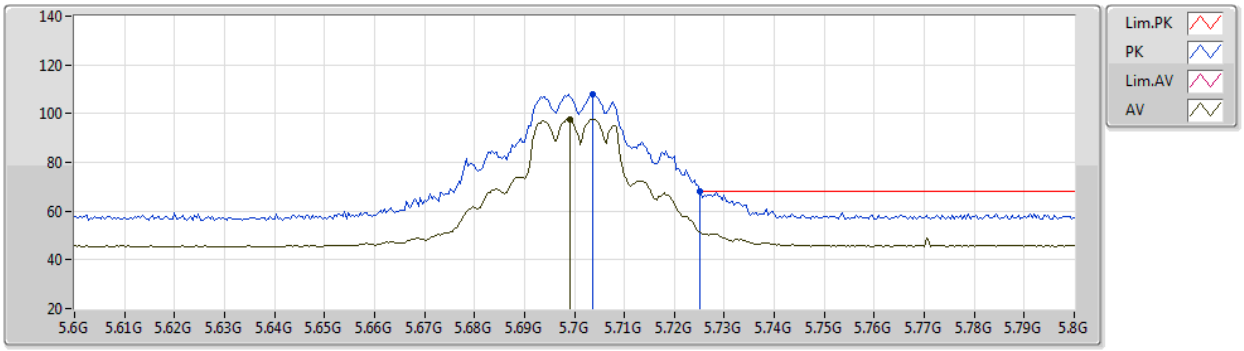
EUT Z_2TX
Setting 17.5
01-A-J-7-10

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	5.6964G	109.82	Inf	-Inf	105.05	3	Vertical	136	2.34	-	34.01	5.45	34.69
AV	5.706G	99.36	Inf	-Inf	94.55	3	Vertical	136	2.34	-	34.04	5.45	34.68
PK	5.726G	67.50	68.20	-0.70	62.55	3	Vertical	136	2.34	-	34.16	5.46	34.67

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

29/10/2020



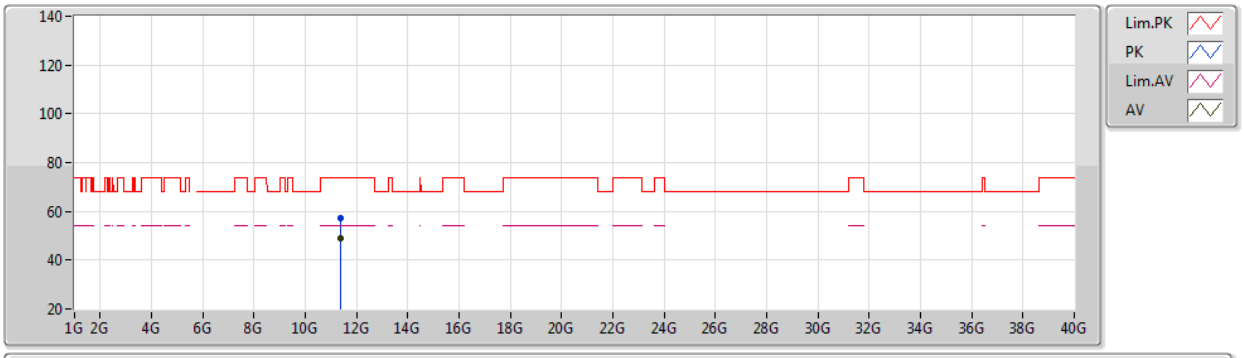
EUT Z_2TX
Setting 17.5
01-A-J-7-10

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	5.7036G	107.98	Inf	-Inf	103.19	3	Horizontal	241	2.72	-	34.02	5.45	34.68
AV	5.6992G	97.56	Inf	-Inf	92.79	3	Horizontal	241	2.72	-	34.00	5.45	34.68
PK	5.7252G	68.07	68.20	-0.13	63.13	3	Horizontal	241	2.72	-	34.15	5.46	34.67

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

29/10/2020



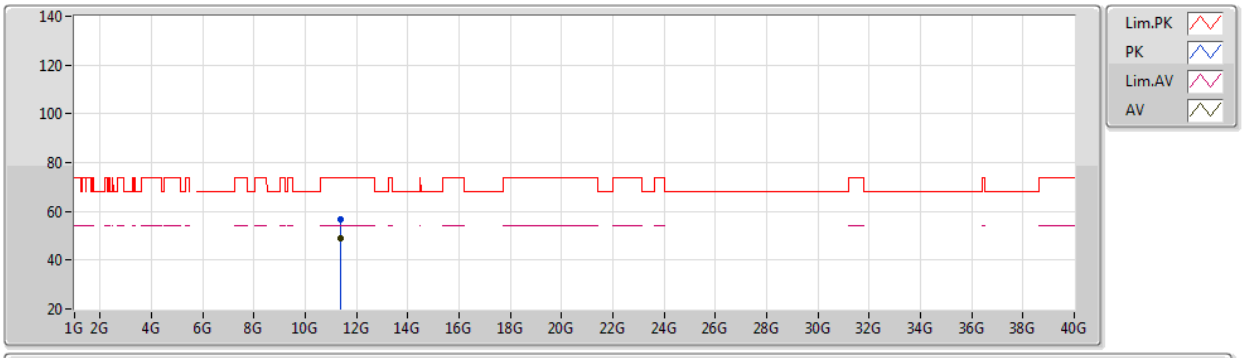
EUT Z_2TX
Setting 17.5
01-A-J-7

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	11.40017G	57.40	74.00	-16.60	45.94	3	Vertical	242	2.07	-	38.50	7.79	34.83
AV	11.39999G	49.03	54.00	-4.97	37.57	3	Vertical	242	2.07	-	38.50	7.79	34.83

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

29/10/2020



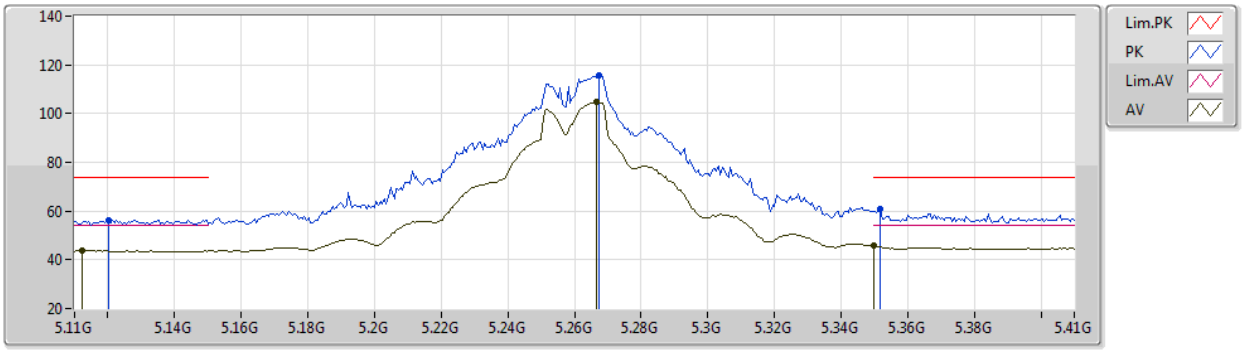
EUT Z_2TX
Setting 17.5
01-A-J-7

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	11.40044G	56.98	74.00	-17.02	45.52	3	Horizontal	6	2.29	-	38.50	7.79	34.83
AV	11.39998G	48.98	54.00	-5.02	37.52	3	Horizontal	6	2.29	-	38.50	7.79	34.83

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5260MHz_TX



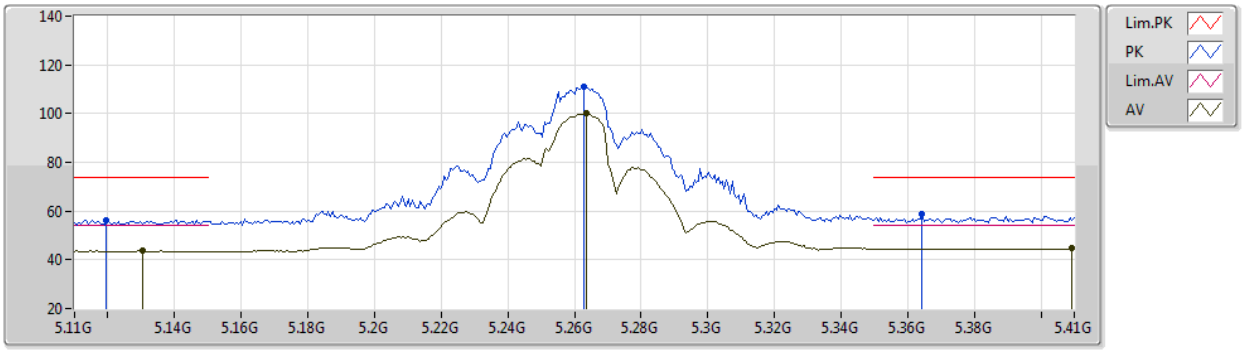
EUT Z_2TX
Setting 23
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1202G	56.39	74.00	-17.61	53.09	3	Vertical	138	1.23	-	32.76	5.16	34.62
AV	5.1124G	43.74	54.00	-10.26	40.42	3	Vertical	138	1.23	-	32.78	5.16	34.62
PK	5.2672G	115.68	Inf	-Inf	112.12	3	Vertical	138	1.23	-	32.97	5.27	34.68
AV	5.2666G	104.68	Inf	-Inf	101.12	3	Vertical	138	1.23	-	32.97	5.27	34.68
PK	5.3518G	61.11	74.00	-12.89	57.37	3	Vertical	138	1.23	-	33.10	5.35	34.71
AV	5.35G	45.74	54.00	-8.26	42.00	3	Vertical	138	1.23	-	33.10	5.35	34.71

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5260MHz_TX



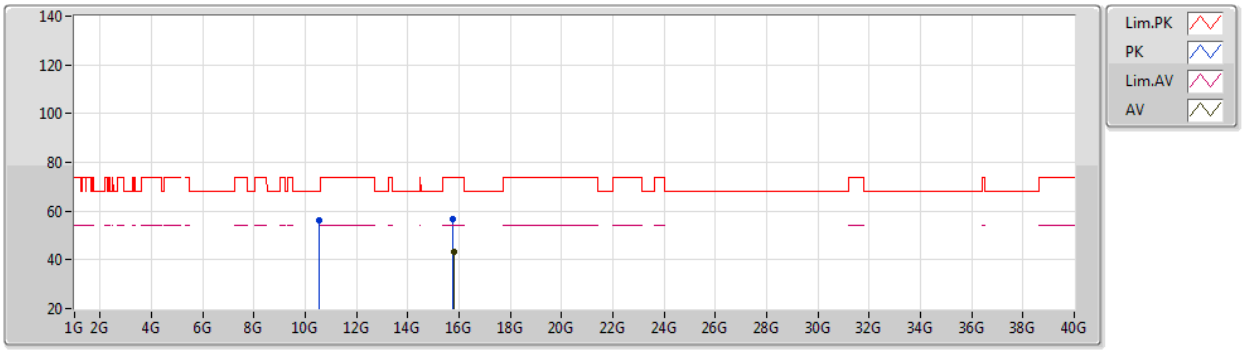
EUT Z_2TX
Setting 23
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1196G	56.32	74.00	-17.68	53.02	3	Horizontal	258	2.89	-	32.76	5.16	34.62
AV	5.1304G	43.62	54.00	-10.38	40.34	3	Horizontal	258	2.89	-	32.74	5.17	34.63
PK	5.263G	110.81	Inf	-Inf	107.27	3	Horizontal	258	2.89	-	32.95	5.26	34.67
AV	5.2636G	99.97	Inf	-Inf	96.43	3	Horizontal	258	2.89	-	32.95	5.26	34.67
PK	5.3644G	58.67	74.00	-15.33	54.89	3	Horizontal	258	2.89	-	33.13	5.36	34.71
AV	5.4094G	44.60	54.00	-9.40	40.65	3	Horizontal	258	2.89	-	33.28	5.40	34.73

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

29/10/2020



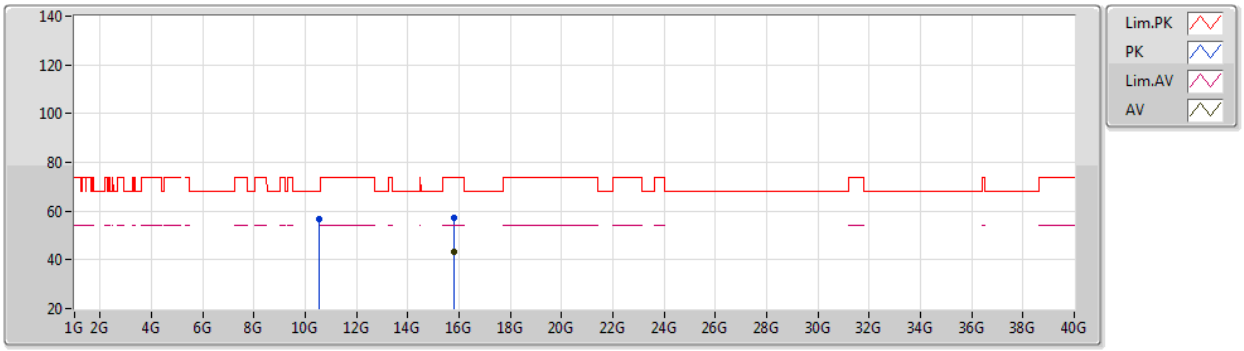
EUT Z_2TX
Setting 23
01-A-G-2

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	10.5199G	56.20	68.20	-12.00	45.47	3	Vertical	87	1.69	-	38.50	7.48	35.25
PK	15.77832G	56.86	74.00	-17.14	44.30	3	Vertical	73	1.72	-	38.36	9.26	35.06
AV	15.7807G	43.13	54.00	-10.87	30.58	3	Vertical	73	1.72	-	38.36	9.26	35.07

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

29/10/2020



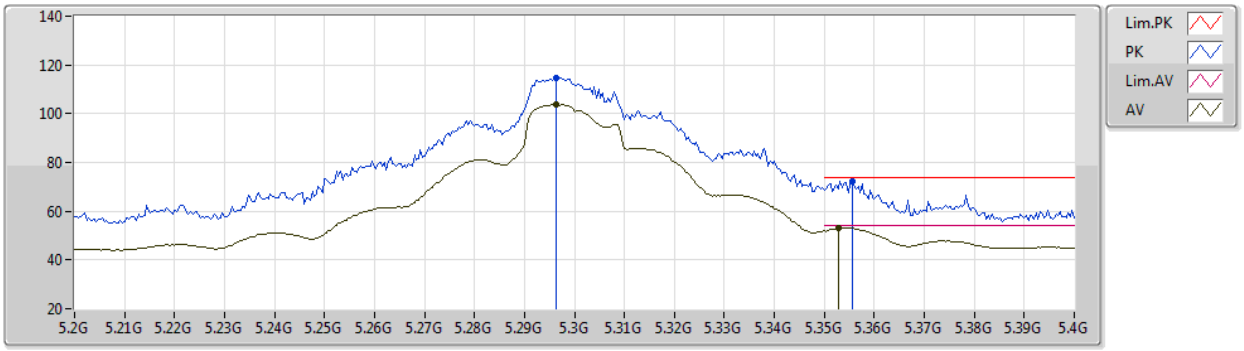
EUT Z_2TX
Setting 23
01-A-G-2

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	10.52006G	56.62	68.20	-11.58	45.89	3	Horizontal	194	2.53	-	38.50	7.48	35.25
PK	15.78104G	57.03	74.00	-16.97	44.48	3	Horizontal	122	1.28	-	38.36	9.26	35.07
AV	15.77978G	43.22	54.00	-10.78	30.67	3	Horizontal	122	1.28	-	38.36	9.26	35.07

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5300MHz_TX



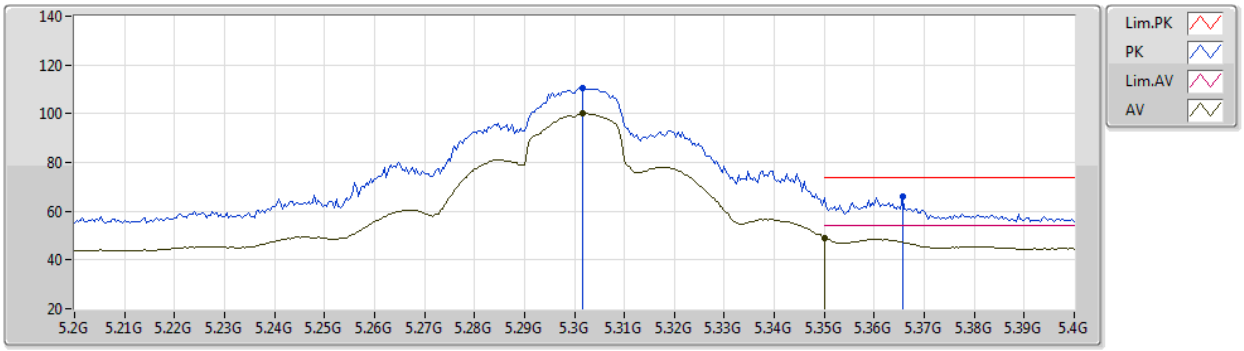
EUT Z_2TX
Setting 23
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.2964G	114.83	Inf	-Inf	111.13	3	Vertical	75	2.64	-	33.09	5.30	34.69
AV	5.2964G	103.64	Inf	-Inf	99.94	3	Vertical	75	2.64	-	33.09	5.30	34.69
PK	5.3556G	72.18	74.00	-1.82	68.42	3	Vertical	75	2.64	-	33.11	5.36	34.71
AV	5.3528G	53.03	54.00	-0.97	49.28	3	Vertical	75	2.64	-	33.11	5.35	34.71

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5300MHz_TX



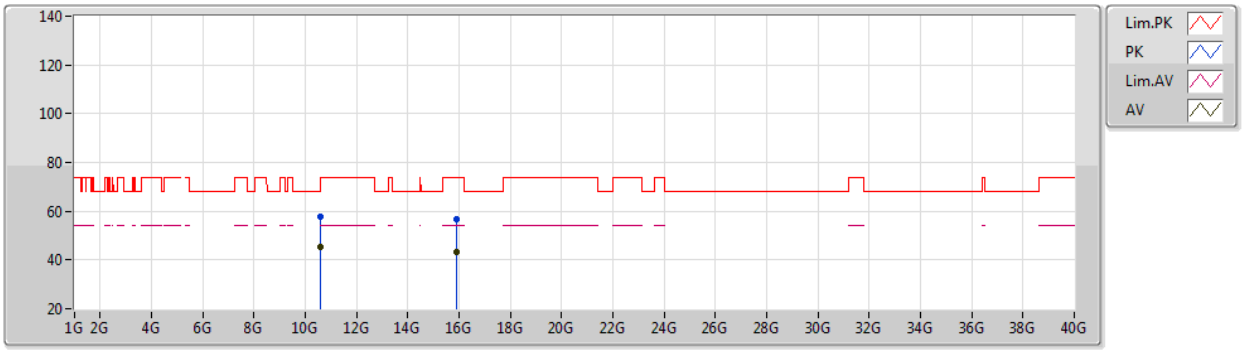
EUT Z_2TX
Setting 23
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3016G	110.76	Inf	-Inf	107.05	3	Horizontal	262	1.31	-	33.10	5.30	34.69
AV	5.3016G	99.99	Inf	-Inf	96.28	3	Horizontal	262	1.31	-	33.10	5.30	34.69
PK	5.3656G	66.25	74.00	-7.75	62.46	3	Horizontal	262	1.31	-	33.13	5.37	34.71
AV	5.35G	48.72	54.00	-5.28	44.98	3	Horizontal	262	1.31	-	33.10	5.35	34.71

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5300MHz_TX



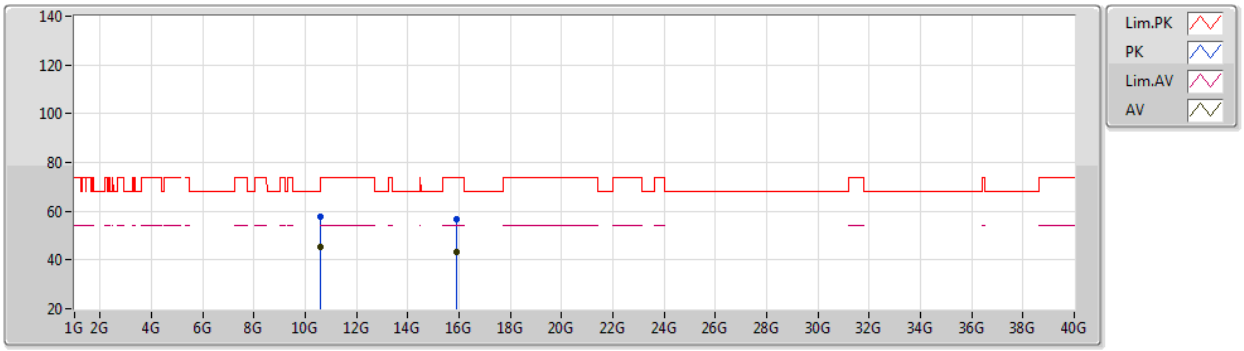
EUT Z_2TX
Setting 23
01-A-G-2

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	10.60025G	58.01	74.00	-15.99	47.19	3	Vertical	296	1.00	-	38.50	7.51	35.19
AV	10.6G	45.18	54.00	-8.82	34.36	3	Vertical	296	1.00	-	38.50	7.51	35.19
PK	15.89844G	56.98	74.00	-17.02	44.39	3	Vertical	257	2.76	-	38.50	9.28	35.19
AV	15.90194G	43.19	54.00	-10.81	30.60	3	Vertical	257	2.76	-	38.50	9.28	35.19

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5300MHz_TX



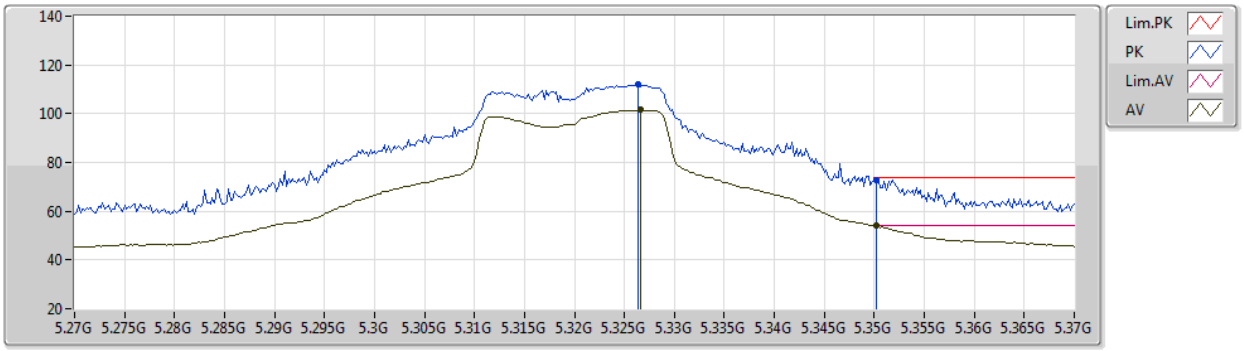
EUT Z_2TX
Setting 23
01-A-G-2

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	10.6008G	57.54	74.00	-16.46	46.72	3	Horizontal	306	1.92	-	38.50	7.51	35.19
AV	10.60001G	45.09	54.00	-8.91	34.27	3	Horizontal	306	1.92	-	38.50	7.51	35.19
PK	15.9001G	56.84	74.00	-17.16	44.25	3	Horizontal	112	2.65	-	38.50	9.28	35.19
AV	15.89931G	43.24	54.00	-10.76	30.65	3	Horizontal	112	2.65	-	38.50	9.28	35.19

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5320MHz_TX



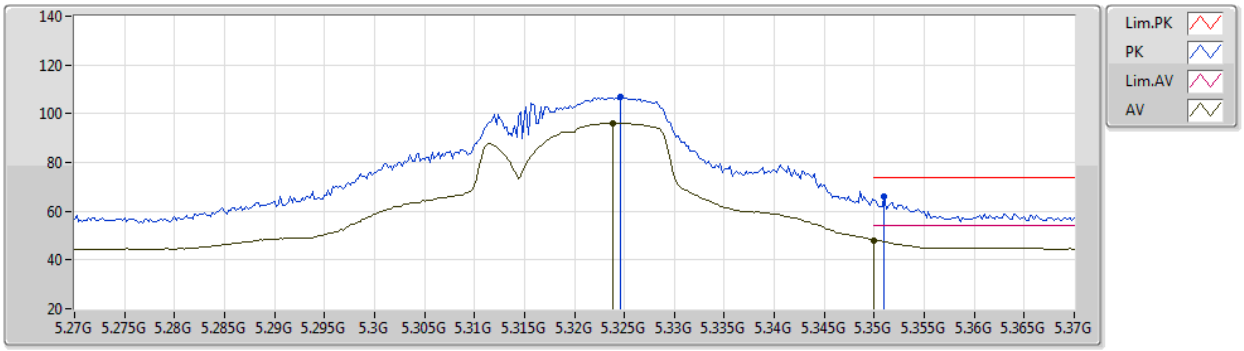
EUT Z_2TX
Setting 17.5
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3264G	111.92	Inf	-Inf	108.19	3	Vertical	139	2.44	-	33.10	5.33	34.70
AV	5.3266G	101.48	Inf	-Inf	97.75	3	Vertical	139	2.44	-	33.10	5.33	34.70
PK	5.3502G	72.76	74.00	-1.24	69.02	3	Vertical	139	2.44	-	33.10	5.35	34.71
AV	5.3502G	53.99	54.00	-0.01	50.25	3	Vertical	139	2.44	-	33.10	5.35	34.71

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5320MHz_TX



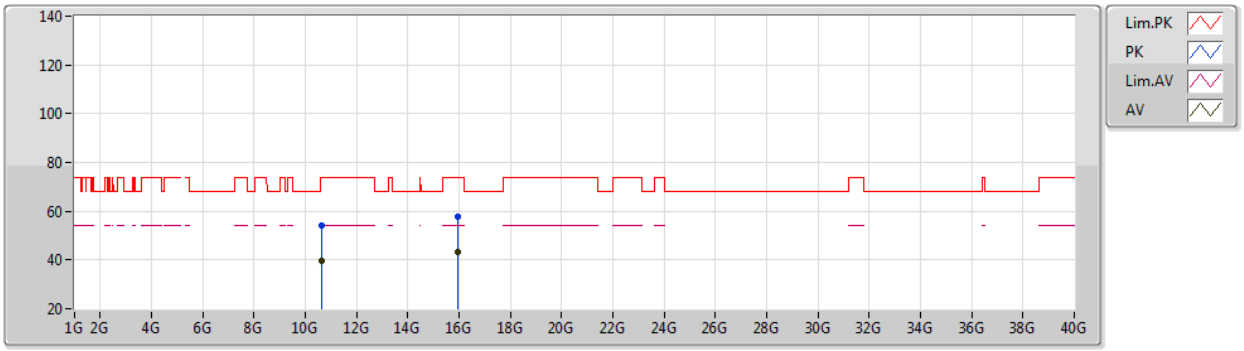
EUT Z_2TX
Setting 17.5
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3246G	106.99	Inf	-Inf	103.27	3	Horizontal	261	2.80	-	33.10	5.32	34.70
AV	5.3238G	96.14	Inf	-Inf	92.42	3	Horizontal	261	2.80	-	33.10	5.32	34.70
PK	5.351G	65.86	74.00	-8.14	62.12	3	Horizontal	261	2.80	-	33.10	5.35	34.71
AV	5.35G	48.16	54.00	-5.84	44.42	3	Horizontal	261	2.80	-	33.10	5.35	34.71

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5320MHz_TX



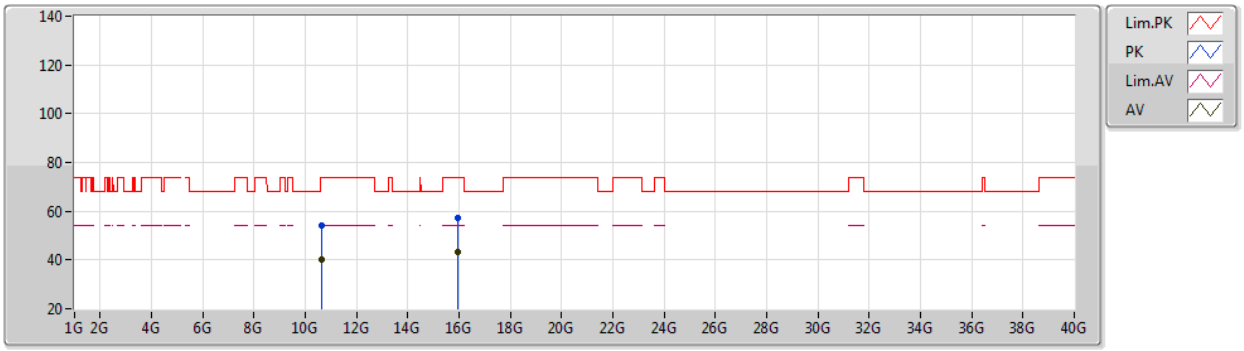
EUT Z_2TX
Setting 17.5
01-A-G-2

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	10.63919G	54.14	74.00	-19.86	43.27	3	Vertical	155	1.88	-	38.50	7.52	35.15
AV	10.63903G	39.69	54.00	-14.31	28.82	3	Vertical	155	1.88	-	38.50	7.52	35.15
PK	15.9592G	57.81	74.00	-16.19	45.33	3	Vertical	360	1.53	-	38.44	9.29	35.25
AV	15.95915G	43.47	54.00	-10.53	30.99	3	Vertical	360	1.53	-	38.44	9.29	35.25

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5320MHz_TX



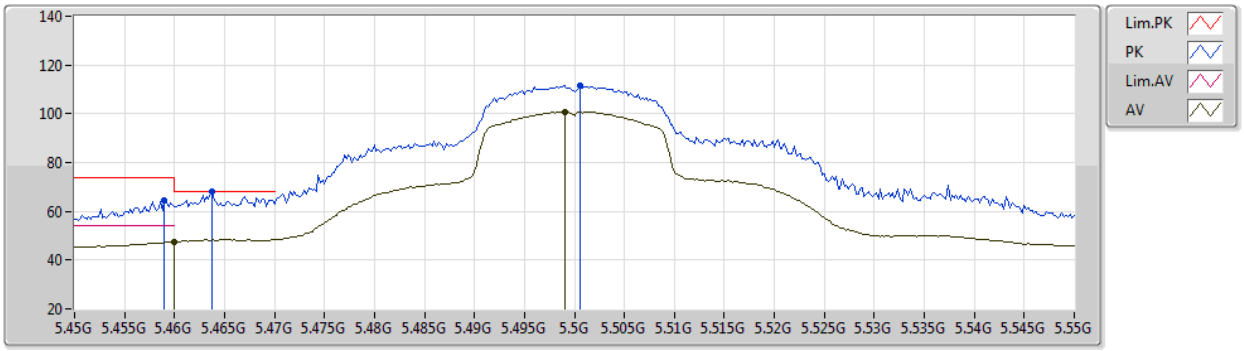
EUT Z_2TX
Setting 17.5
01-A-G-2

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	10.64015G	54.20	74.00	-19.80	43.33	3	Horizontal	105	1.96	-	38.50	7.52	35.15
AV	10.6396G	40.14	54.00	-13.86	29.27	3	Horizontal	105	1.96	-	38.50	7.52	35.15
PK	15.96061G	57.11	74.00	-16.89	44.63	3	Horizontal	303	1.03	-	38.44	9.29	35.25
AV	15.95928G	43.47	54.00	-10.53	30.99	3	Horizontal	303	1.03	-	38.44	9.29	35.25

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5500MHz_TX



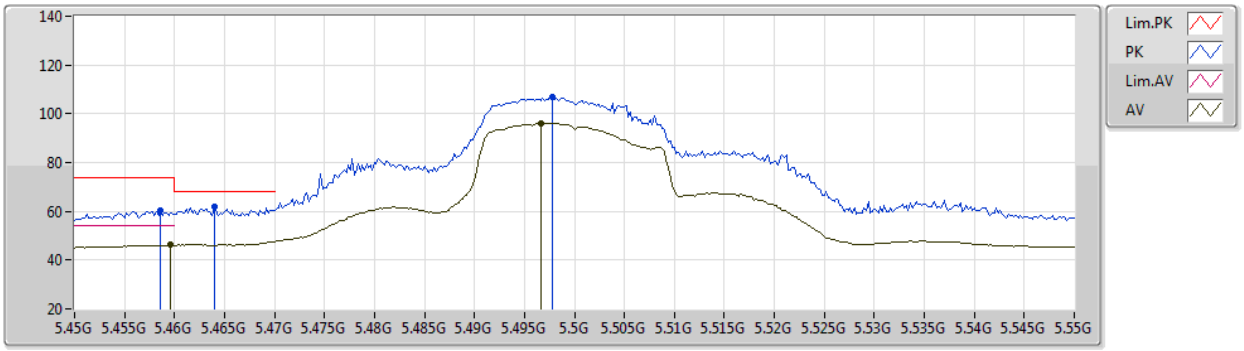
EUT Z_2TX
Setting 17.5
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.459G	64.47	74.00	-9.53	60.18	3	Vertical	352	2.66	-	33.64	5.40	34.75
AV	5.46G	47.43	54.00	-6.57	43.14	3	Vertical	352	2.66	-	33.64	5.40	34.75
PK	5.4638G	68.11	68.20	-0.09	63.80	3	Vertical	352	2.66	-	33.66	5.40	34.75
PK	5.5006G	111.54	Inf	-Inf	107.10	3	Vertical	352	2.66	-	33.80	5.40	34.76
AV	5.499G	100.89	Inf	-Inf	96.45	3	Vertical	352	2.66	-	33.80	5.40	34.76

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5500MHz_TX



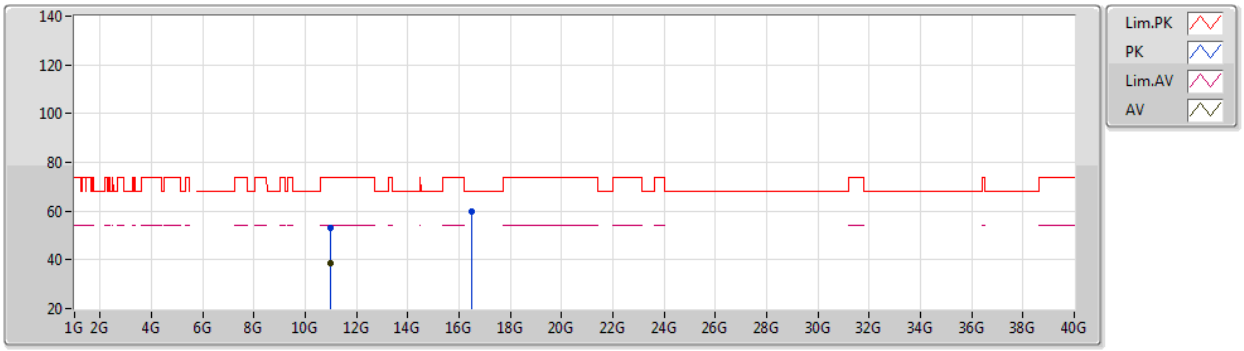
EUT Z_2TX
Setting 17.5
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.4586G	60.11	74.00	-13.89	55.83	3	Horizontal	257	1.04	-	33.63	5.40	34.75
AV	5.4596G	46.16	54.00	-7.84	41.87	3	Horizontal	257	1.04	-	33.64	5.40	34.75
PK	5.464G	61.68	68.20	-6.52	57.37	3	Horizontal	257	1.04	-	33.66	5.40	34.75
PK	5.4978G	106.83	Inf	-Inf	102.40	3	Horizontal	257	1.04	-	33.79	5.40	34.76
AV	5.4966G	96.13	Inf	-Inf	91.70	3	Horizontal	257	1.04	-	33.79	5.40	34.76

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

29/10/2020



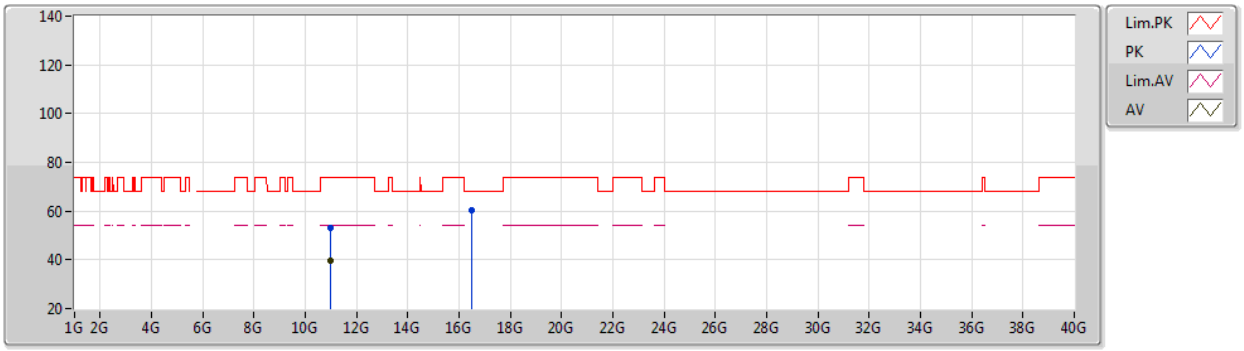
EUT Z_2TX
Setting 17.5
01-A-G-2

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	11.00081G	52.91	74.00	-21.09	41.71	3	Vertical	143	1.66	-	38.40	7.65	34.85
AV	10.99903G	38.87	54.00	-15.13	27.67	3	Vertical	143	1.66	-	38.40	7.65	34.85
PK	16.5009G	59.62	68.20	-8.58	44.77	3	Vertical	278	2.22	-	40.10	9.48	34.73

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

29/10/2020



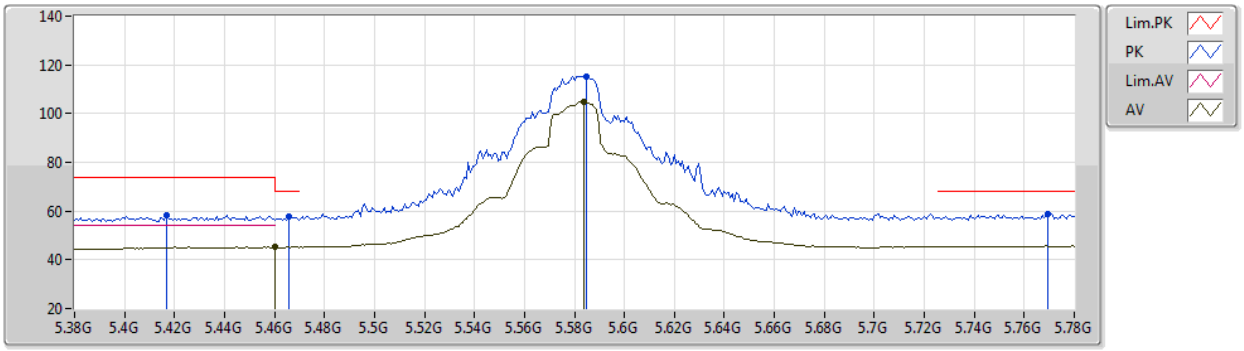
EUT Z_2TX
Setting 17.5
01-A-G-2

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	10.99949G	53.16	74.00	-20.84	41.96	3	Horizontal	234	2.38	-	38.40	7.65	34.85
AV	10.99986G	39.41	54.00	-14.59	28.21	3	Horizontal	234	2.38	-	38.40	7.65	34.85
PK	16.49982G	60.26	68.20	-7.94	45.42	3	Horizontal	127	2.21	-	40.10	9.47	34.73

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5580MHz_TX



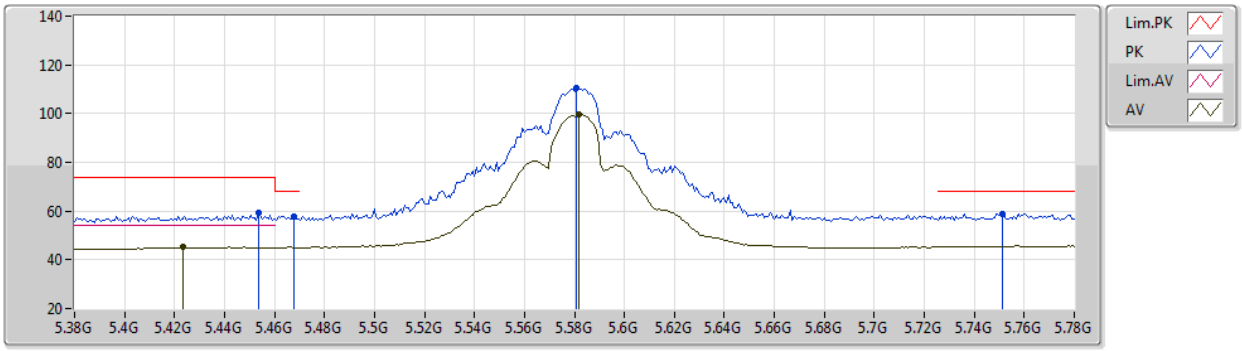
EUT Z_2TX
Setting 23
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.4168G	58.30	74.00	-15.70	54.30	3	Vertical	142	2.35	-	33.33	5.40	34.73
PK	5.4656G	57.58	68.20	-10.62	53.27	3	Vertical	142	2.35	-	33.66	5.40	34.75
AV	5.46G	45.27	54.00	-8.73	40.98	3	Vertical	142	2.35	-	33.64	5.40	34.75
PK	5.5848G	115.33	Inf	-Inf	110.69	3	Vertical	142	2.35	-	33.97	5.40	34.73
AV	5.584G	104.86	Inf	-Inf	100.22	3	Vertical	142	2.35	-	33.97	5.40	34.73
PK	5.7696G	59.02	68.20	-9.18	53.90	3	Vertical	142	2.35	-	34.30	5.48	34.66

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5580MHz_TX



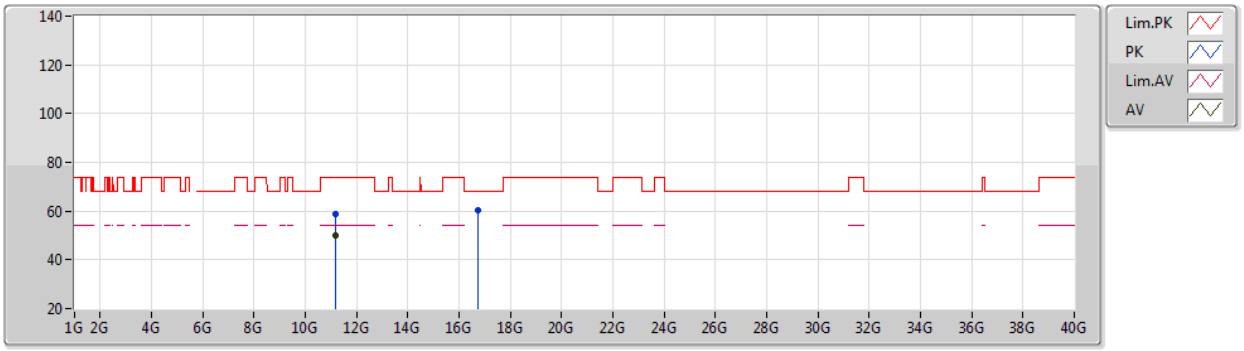
EUT Z_2TX
Setting 23
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.4536G	59.18	74.00	-14.82	54.91	3	Horizontal	263	1.00	-	33.61	5.40	34.74
AV	5.4232G	45.10	54.00	-8.90	41.04	3	Horizontal	263	1.00	-	33.39	5.40	34.73
PK	5.468G	57.96	68.20	-10.24	53.64	3	Horizontal	263	1.00	-	33.67	5.40	34.75
PK	5.5808G	110.45	Inf	-Inf	105.82	3	Horizontal	263	1.00	-	33.96	5.40	34.73
AV	5.5816G	99.81	Inf	-Inf	95.18	3	Horizontal	263	1.00	-	33.96	5.40	34.73
PK	5.7512G	58.88	68.20	-9.32	53.76	3	Horizontal	263	1.00	-	34.30	5.48	34.66

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5580MHz_TX



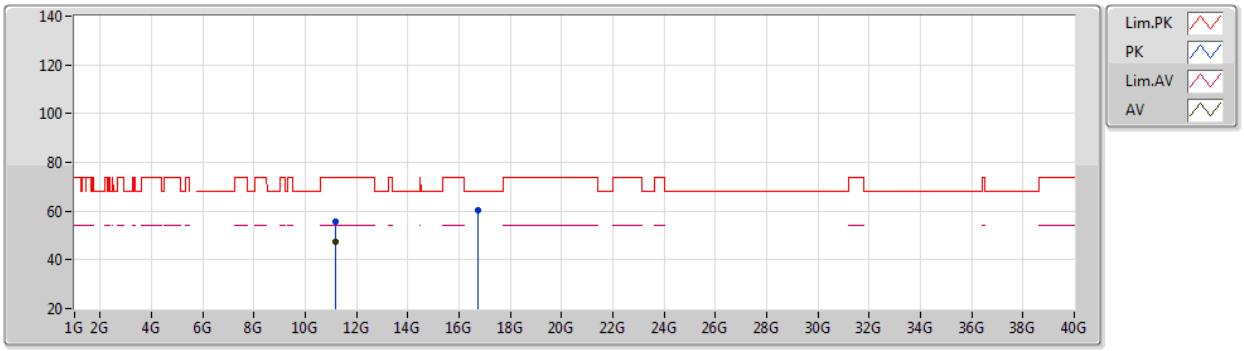
EUT Z_2TX
Setting 23
01-A-G-2

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	11.15972G	58.96	74.00	-15.04	47.79	3	Vertical	6	2.38	-	38.30	7.71	34.84
AV	11.15996G	50.23	54.00	-3.77	39.06	3	Vertical	6	2.38	-	38.30	7.71	34.84
PK	16.744G	60.33	68.20	-7.87	44.36	3	Vertical	276	2.96	-	40.63	9.56	34.22

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5580MHz_TX



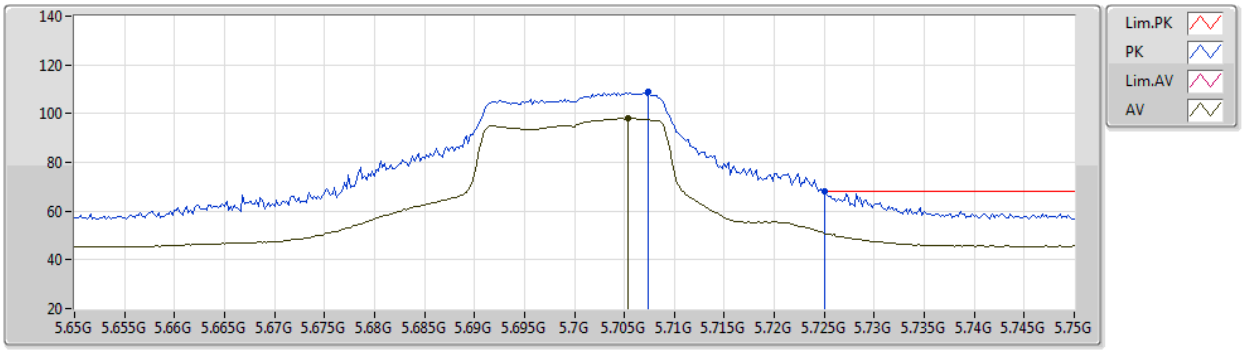
EUT Z_2TX
Setting 23
01-A-G-2

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	11.15972G	55.80	74.00	-18.20	44.63	3	Horizontal	355	2.28	-	38.30	7.71	34.84
AV	11.15996G	47.26	54.00	-6.74	36.09	3	Horizontal	355	2.28	-	38.30	7.71	34.84
PK	16.7376G	60.37	68.20	-7.83	44.44	3	Horizontal	73	1.56	-	40.61	9.56	34.24

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5700MHz_TX



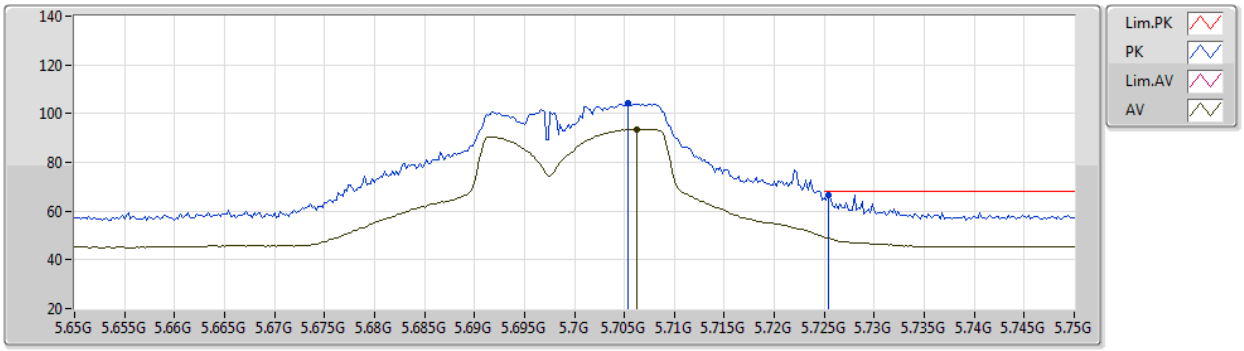
EUT Z_2TX
Setting 15.5
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.7074G	108.83	Inf	-Inf	104.02	3	Vertical	54	2.44	-	34.04	5.45	34.68
AV	5.7054G	97.98	Inf	-Inf	93.18	3	Vertical	54	2.44	-	34.03	5.45	34.68
PK	5.725G	68.08	68.20	-0.12	63.14	3	Vertical	54	2.44	-	34.15	5.46	34.67

802.11ac VHT20_Nss1,(MCS0)_2TX

29/10/2020

5700MHz_TX



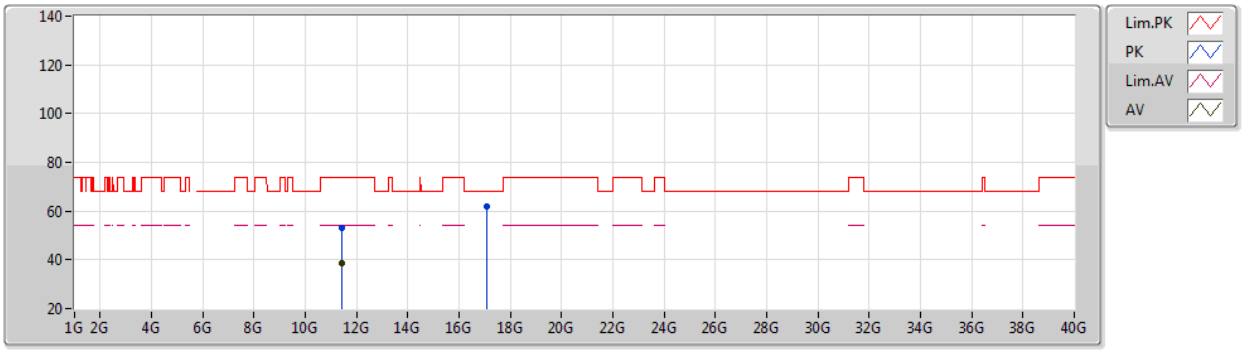
EUT Z_2TX
Setting 15.5
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.7054G	104.06	Inf	-Inf	99.26	3	Horizontal	71	2.74	-	34.03	5.45	34.68
AV	5.7062G	93.65	Inf	-Inf	88.84	3	Horizontal	71	2.74	-	34.04	5.45	34.68
PK	5.7254G	66.68	68.20	-1.52	61.74	3	Horizontal	71	2.74	-	34.15	5.46	34.67

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

29/10/2020



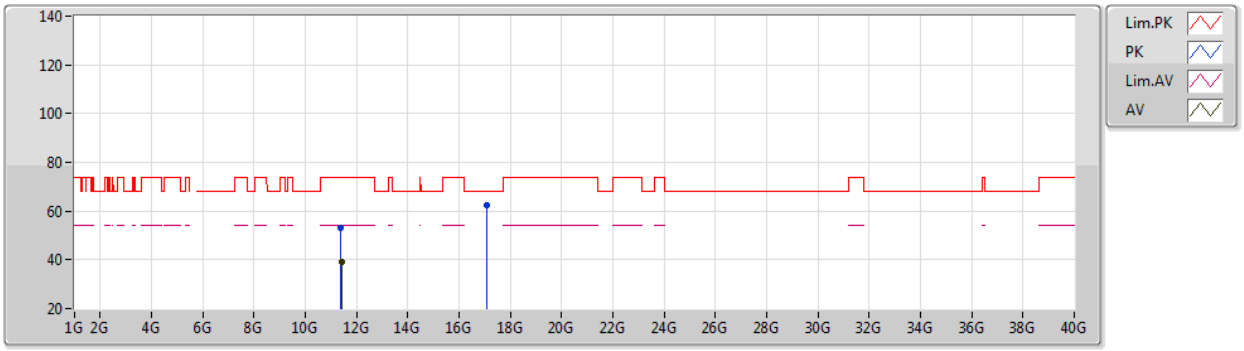
EUT Z_2TX
Setting 15.5
01-A-G-2

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	11.4037G	53.11	74.00	-20.89	41.65	3	Vertical	258	2.75	-	38.50	7.79	34.83
AV	11.40244G	38.84	54.00	-15.16	27.38	3	Vertical	258	2.75	-	38.50	7.79	34.83
PK	17.10186G	62.13	68.20	-6.07	44.79	3	Vertical	100	1.14	-	41.41	9.69	33.76

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

29/10/2020



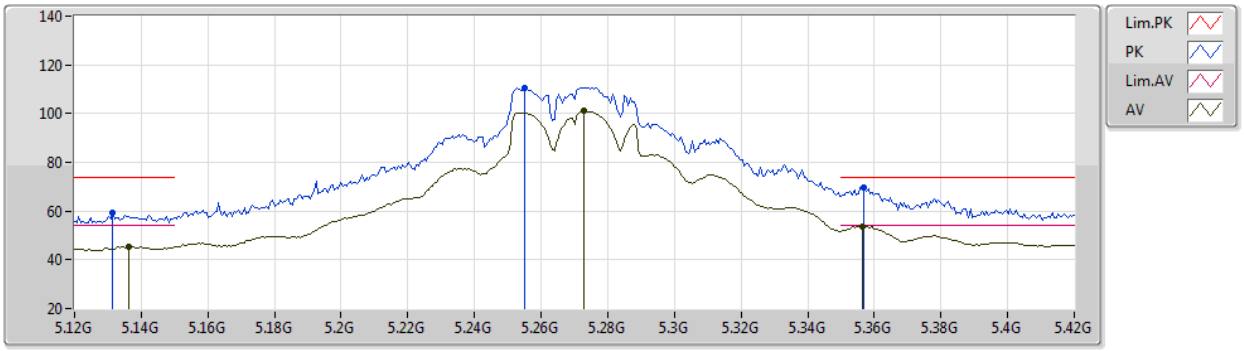
EUT Z_2TX
Setting 15.5
01-A-G-2

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	11.39192G	52.92	74.00	-21.08	41.47	3	Horizontal	348	1.30	-	38.49	7.79	34.83
AV	11.40748G	39.12	54.00	-14.88	27.67	3	Horizontal	348	1.30	-	38.49	7.79	34.83
PK	17.09708G	62.22	68.20	-5.98	44.91	3	Horizontal	2	2.78	-	41.39	9.68	33.76

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

29/10/2020



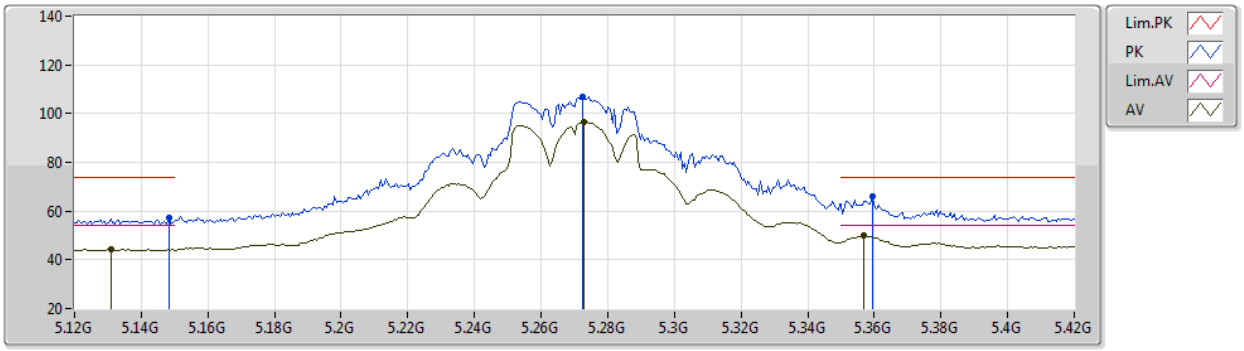
EUT Z_2TX
Setting 21
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1314G	59.10	74.00	-14.90	55.82	3	Vertical	100	1.03	-	32.74	5.17	34.63
AV	5.1362G	45.18	54.00	-8.82	41.91	3	Vertical	100	1.03	-	32.73	5.17	34.63
PK	5.255G	110.71	Inf	-Inf	107.21	3	Vertical	100	1.03	-	32.92	5.25	34.67
AV	5.273G	101.01	Inf	-Inf	97.43	3	Vertical	100	1.03	-	32.99	5.27	34.68
PK	5.357G	69.78	74.00	-4.22	66.02	3	Vertical	100	1.03	-	33.11	5.36	34.71
AV	5.3564G	53.74	54.00	-0.26	49.98	3	Vertical	100	1.03	-	33.11	5.36	34.71

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

29/10/2020



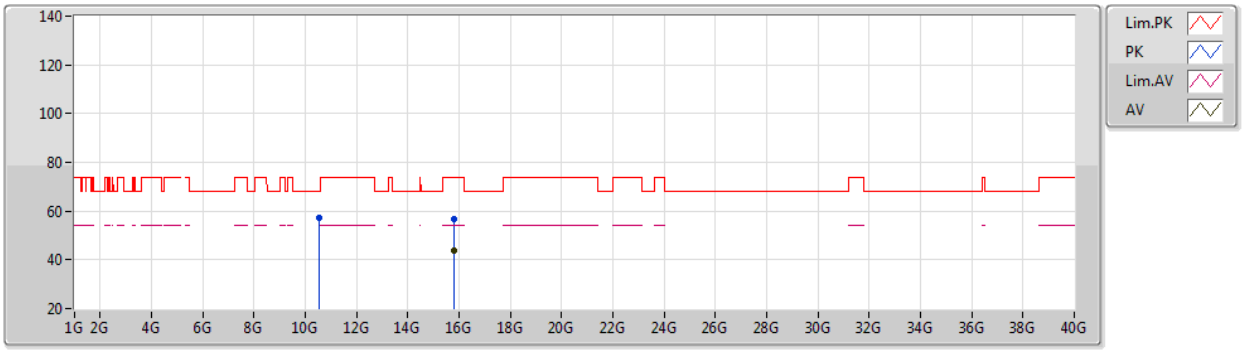
EUT Z_2TX
Setting 21
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1482G	57.44	74.00	-16.56	54.20	3	Horizontal	258	2.75	-	32.70	5.17	34.63
AV	5.1308G	44.19	54.00	-9.81	40.91	3	Horizontal	258	2.75	-	32.74	5.17	34.63
PK	5.2724G	107.01	Inf	-Inf	103.43	3	Horizontal	258	2.75	-	32.99	5.27	34.68
AV	5.273G	96.69	Inf	-Inf	93.11	3	Horizontal	258	2.75	-	32.99	5.27	34.68
PK	5.3594G	65.95	74.00	-8.05	62.18	3	Horizontal	258	2.75	-	33.12	5.36	34.71
AV	5.357G	50.13	54.00	-3.87	46.37	3	Horizontal	258	2.75	-	33.11	5.36	34.71

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

29/10/2020



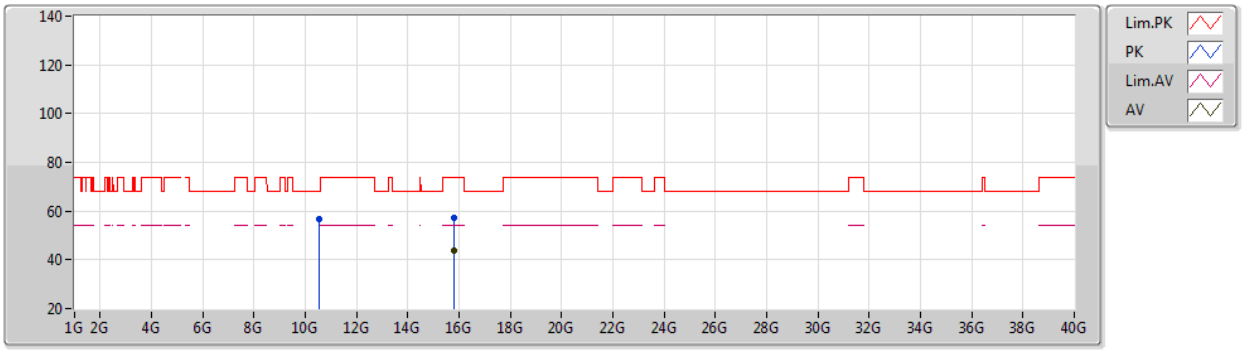
EUT Z_2TX
Setting 21
01-A-J-7

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	10.53991G	57.46	68.20	-10.74	46.71	3	Vertical	293	2.26	-	38.50	7.49	35.24
PK	15.80984G	56.89	74.00	-17.11	44.32	3	Vertical	226	1.35	-	38.41	9.26	35.10
AV	15.80985G	43.87	54.00	-10.13	31.30	3	Vertical	226	1.35	-	38.41	9.26	35.10

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

29/10/2020



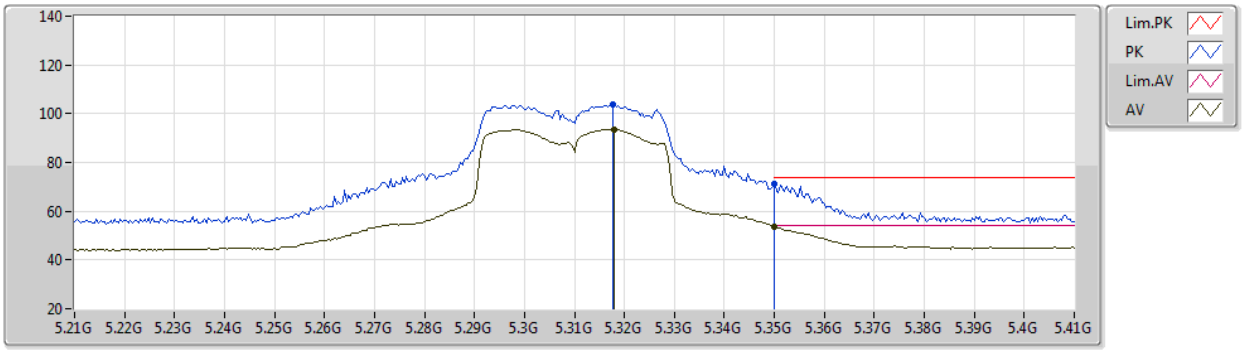
EUT Z_2TX
Setting 21
01-A-J-7

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	10.5399G	56.82	68.20	-11.38	46.07	3	Horizontal	288	2.33	-	38.50	7.49	35.24
PK	15.81036G	57.07	74.00	-16.93	44.50	3	Horizontal	331	1.84	-	38.41	9.26	35.10
AV	15.81004G	43.60	54.00	-10.40	31.03	3	Horizontal	331	1.84	-	38.41	9.26	35.10

802.11ac VHT40_Nss1,(MCS0)_2TX

29/10/2020

5310MHz_TX



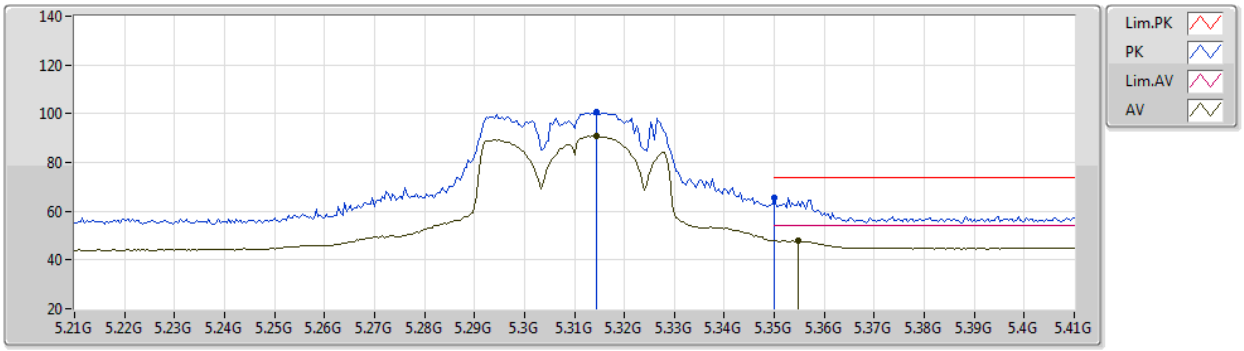
EUT Z_2TX
Setting 14.5
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3176G	103.67	Inf	-Inf	99.94	3	Vertical	152	1.80	-	33.10	5.32	34.69
AV	5.318G	93.64	Inf	-Inf	89.91	3	Vertical	152	1.80	-	33.10	5.32	34.69
PK	5.35G	71.14	74.00	-2.86	67.40	3	Vertical	152	1.80	-	33.10	5.35	34.71
AV	5.35G	53.82	54.00	-0.18	50.08	3	Vertical	152	1.80	-	33.10	5.35	34.71

802.11ac VHT40_Nss1,(MCS0)_2TX

29/10/2020

5310MHz_TX



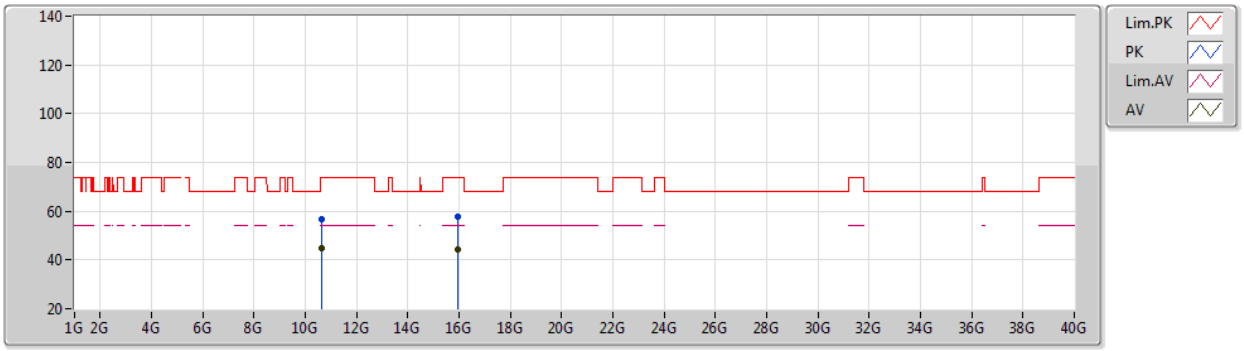
EUT Z_2TX
Setting 14.5
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.3144G	100.53	Inf	-Inf	96.81	3	Horizontal	258	2.83	-	33.10	5.31	34.69
AV	5.3144G	90.81	Inf	-Inf	87.09	3	Horizontal	258	2.83	-	33.10	5.31	34.69
PK	5.35G	65.41	74.00	-8.59	61.67	3	Horizontal	258	2.83	-	33.10	5.35	34.71
AV	5.3548G	47.97	54.00	-6.03	44.22	3	Horizontal	258	2.83	-	33.11	5.35	34.71

802.11ac VHT40_Nss1,(MCS0)_2TX

29/10/2020

5310MHz_TX



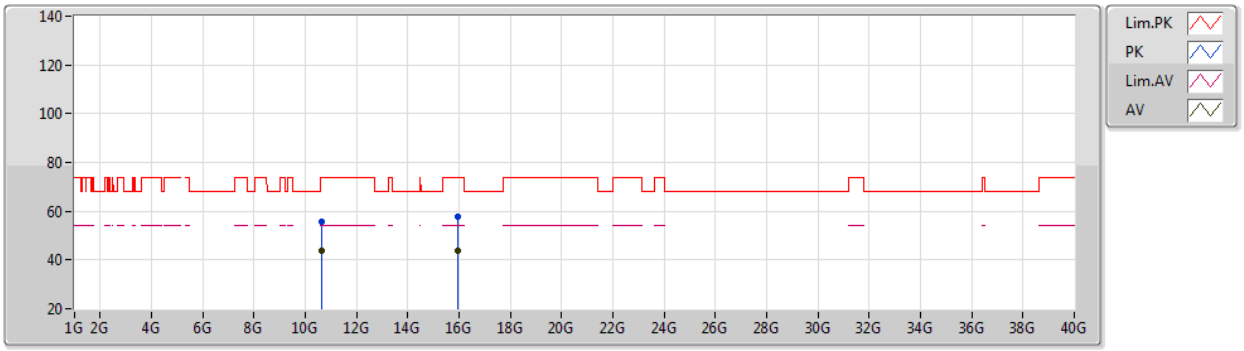
EUT Z_2TX
Setting 14.5
01-A-J-7

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	10.61998G	56.62	74.00	-17.38	45.77	3	Vertical	342	2.82	-	38.50	7.52	35.17
AV	10.61996G	44.99	54.00	-9.01	34.14	3	Vertical	342	2.82	-	38.50	7.52	35.17
PK	15.9293G	57.74	74.00	-16.26	45.20	3	Vertical	221	1.24	-	38.47	9.29	35.22
AV	15.92923G	44.06	54.00	-9.94	31.52	3	Vertical	221	1.24	-	38.47	9.29	35.22

802.11ac VHT40_Nss1,(MCS0)_2TX

29/10/2020

5310MHz_TX



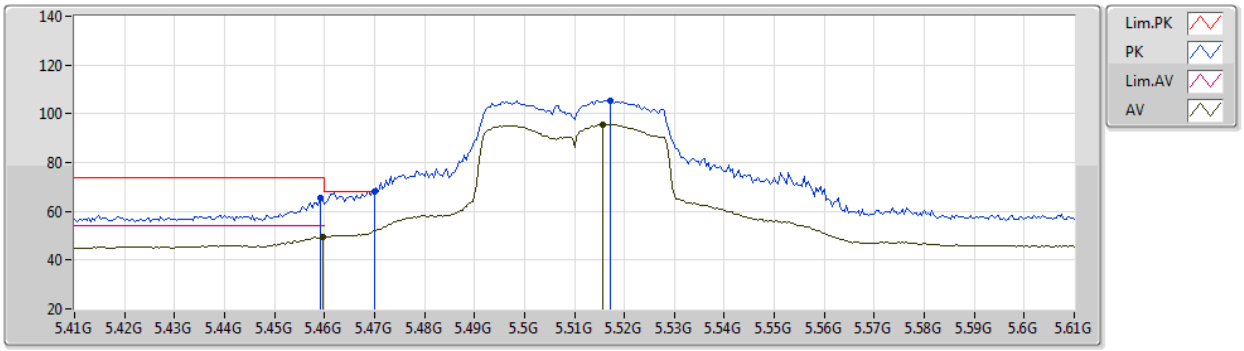
EUT Z_2TX
Setting 14.5
01-A-J-7

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	10.62012G	55.63	74.00	-18.37	44.78	3	Horizontal	292	1.00	-	38.50	7.52	35.17
AV	10.61991G	43.54	54.00	-10.46	32.69	3	Horizontal	292	1.00	-	38.50	7.52	35.17
PK	15.93046G	57.97	74.00	-16.03	45.43	3	Horizontal	155	1.73	-	38.47	9.29	35.22
AV	15.93073G	43.88	54.00	-10.12	31.34	3	Horizontal	155	1.73	-	38.47	9.29	35.22

802.11ac VHT40_Nss1,(MCS0)_2TX

29/10/2020

5510MHz_TX



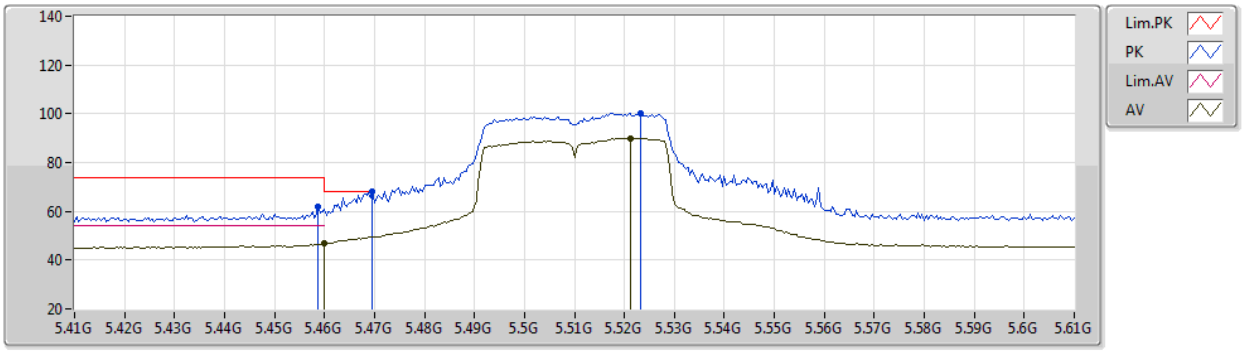
EUT Z_2TX
Setting 14.5
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.4592G	65.63	74.00	-8.37	61.34	3	Vertical	48	2.52	-	33.64	5.40	34.75
AV	5.4596G	49.43	54.00	-4.57	45.14	3	Vertical	48	2.52	-	33.64	5.40	34.75
PK	5.47G	67.89	68.20	-0.31	63.56	3	Vertical	48	2.52	-	33.68	5.40	34.75
PK	5.5172G	105.46	Inf	-Inf	100.98	3	Vertical	48	2.52	-	33.83	5.40	34.75
AV	5.5156G	95.60	Inf	-Inf	91.12	3	Vertical	48	2.52	-	33.83	5.40	34.75

802.11ac VHT40_Nss1,(MCS0)_2TX

29/10/2020

5510MHz_TX



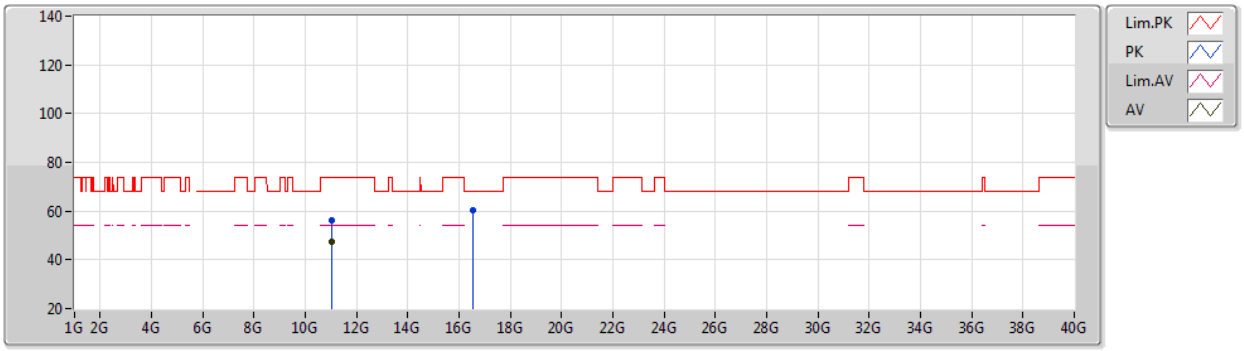
EUT Z_2TX
Setting 14.5
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.4588G	62.11	74.00	-11.89	57.82	3	Horizontal	163	2.48	-	33.64	5.40	34.75
AV	5.46G	47.04	54.00	-6.96	42.75	3	Horizontal	163	2.48	-	33.64	5.40	34.75
PK	5.4696G	68.18	68.20	-0.02	63.85	3	Horizontal	163	2.48	-	33.68	5.40	34.75
PK	5.5232G	100.23	Inf	-Inf	95.73	3	Horizontal	163	2.48	-	33.85	5.40	34.75
AV	5.5212G	90.02	Inf	-Inf	85.53	3	Horizontal	163	2.48	-	33.84	5.40	34.75

802.11ac VHT40_Nss1,(MCS0)_2TX

29/10/2020

5510MHz_TX



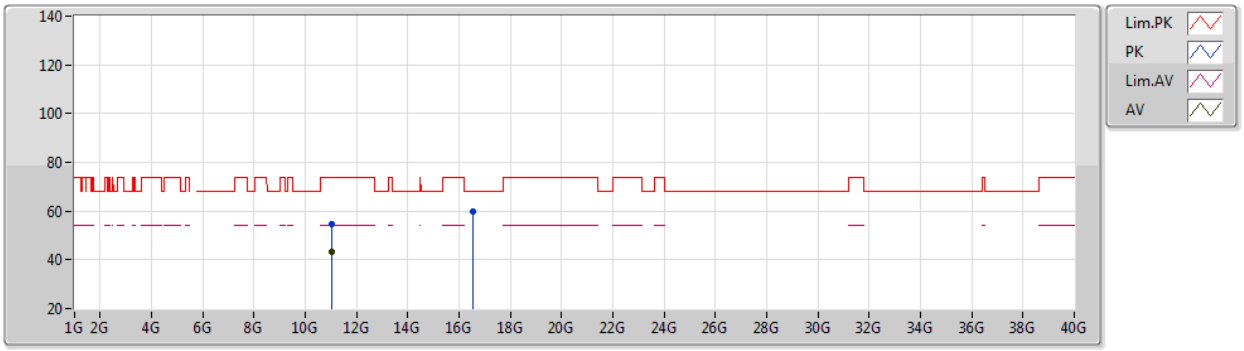
EUT Z_2TX
Setting 14.5
01-A-J-7

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	11.01988G	56.32	74.00	-17.68	45.13	3	Vertical	360	2.87	-	38.38	7.66	34.85
AV	11.01986G	47.60	54.00	-6.40	36.41	3	Vertical	360	2.87	-	38.38	7.66	34.85
PK	16.52907G	60.32	68.20	-7.88	45.43	3	Vertical	25	2.40	-	40.07	9.49	34.67

802.11ac VHT40_Nss1,(MCS0)_2TX

29/10/2020

5510MHz_TX



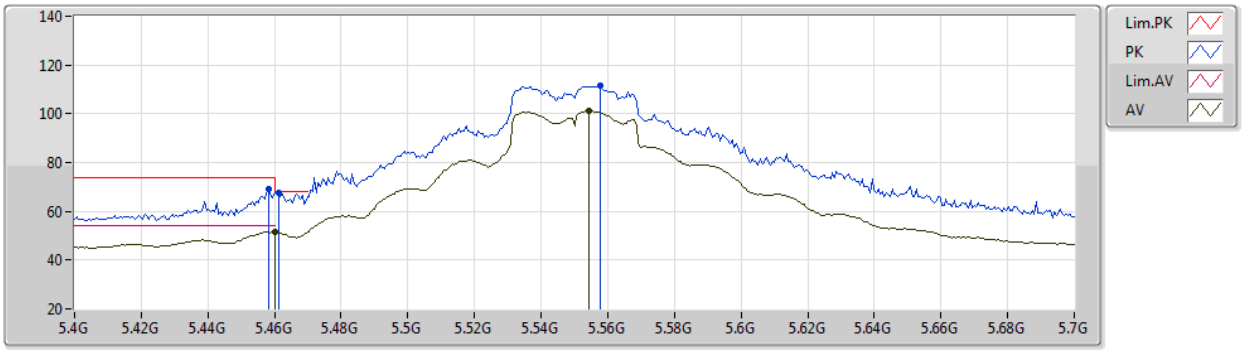
EUT Z_2TX
Setting 14.5
01-A-J-7

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	11.02003G	54.54	74.00	-19.46	43.35	3	Horizontal	323	2.30	-	38.38	7.66	34.85
AV	11.01995G	43.23	54.00	-10.77	32.04	3	Horizontal	323	2.30	-	38.38	7.66	34.85
PK	16.53014G	60.08	68.20	-8.12	45.19	3	Horizontal	176	2.34	-	40.07	9.49	34.67

802.11ac VHT40_Nss1,(MCS0)_2TX

29/10/2020

5550MHz_TX



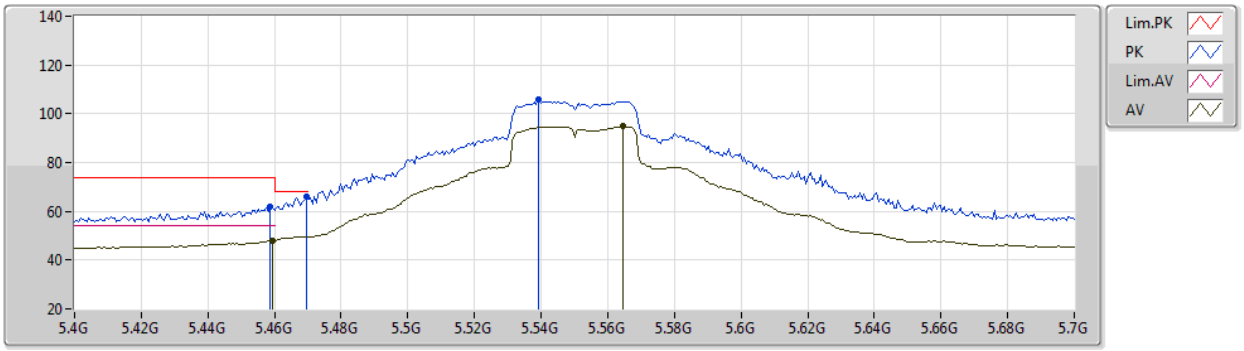
EUT Z_2TX
Setting 21.5
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.4582G	69.38	74.00	-4.62	65.09	3	Vertical	134	2.17	-	33.63	5.40	34.74
PK	5.4612G	67.71	68.20	-0.49	63.42	3	Vertical	134	2.17	-	33.64	5.40	34.75
AV	5.46G	51.46	54.00	-2.54	47.17	3	Vertical	134	2.17	-	33.64	5.40	34.75
PK	5.5578G	111.37	Inf	-Inf	106.79	3	Vertical	134	2.17	-	33.92	5.40	34.74
AV	5.5542G	101.20	Inf	-Inf	96.63	3	Vertical	134	2.17	-	33.91	5.40	34.74

802.11ac VHT40_Nss1,(MCS0)_2TX

29/10/2020

5550MHz_TX



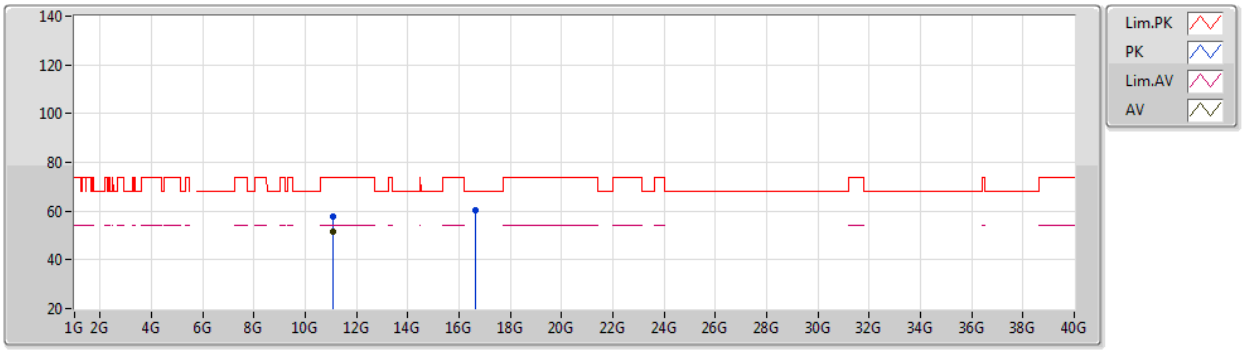
EUT Z_2TX
Setting 21.5
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.4588G	61.74	74.00	-12.26	57.45	3	Horizontal	161	2.44	-	33.64	5.40	34.75
AV	5.4594G	48.02	54.00	-5.98	43.73	3	Horizontal	161	2.44	-	33.64	5.40	34.75
PK	5.4696G	66.12	68.20	-2.08	61.79	3	Horizontal	161	2.44	-	33.68	5.40	34.75
PK	5.5392G	105.77	Inf	-Inf	101.24	3	Horizontal	161	2.44	-	33.88	5.40	34.75
AV	5.5644G	94.79	Inf	-Inf	90.20	3	Horizontal	161	2.44	-	33.93	5.40	34.74

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

29/10/2020



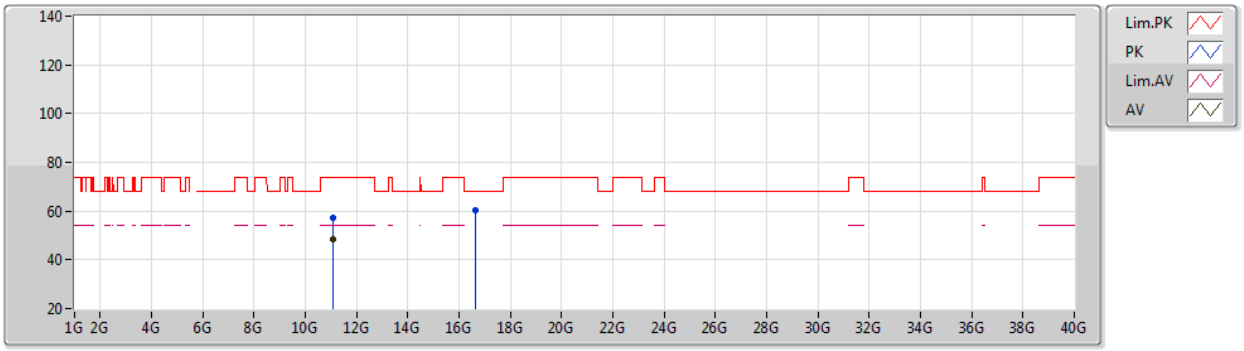
EUT Z_2TX
Setting 21.5
01-A-J-7

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	11.09986G	57.97	74.00	-16.03	46.84	3	Vertical	21	2.77	-	38.30	7.68	34.85
AV	11.09994G	51.38	54.00	-2.62	40.25	3	Vertical	21	2.77	-	38.30	7.68	34.85
PK	16.6508G	60.21	68.20	-7.99	44.85	3	Vertical	91	2.65	-	40.25	9.53	34.42

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

29/10/2020



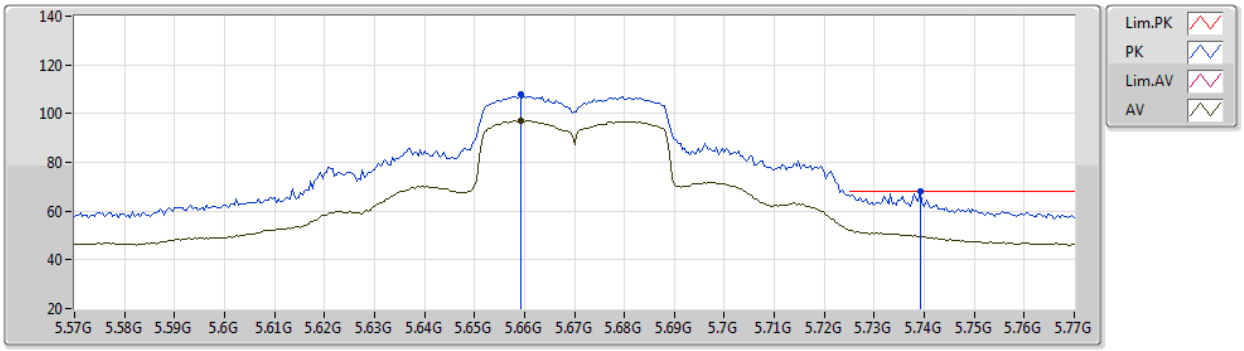
EUT Z_2TX
Setting 21.5
01-A-J-7

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	11.10008G	57.44	74.00	-16.56	46.30	3	Horizontal	86	2.36	-	38.30	7.69	34.85
AV	11.09992G	48.66	54.00	-5.34	37.53	3	Horizontal	86	2.36	-	38.30	7.68	34.85
PK	16.6501G	60.32	68.20	-7.88	44.96	3	Horizontal	358	1.37	-	40.25	9.53	34.42

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

29/10/2020



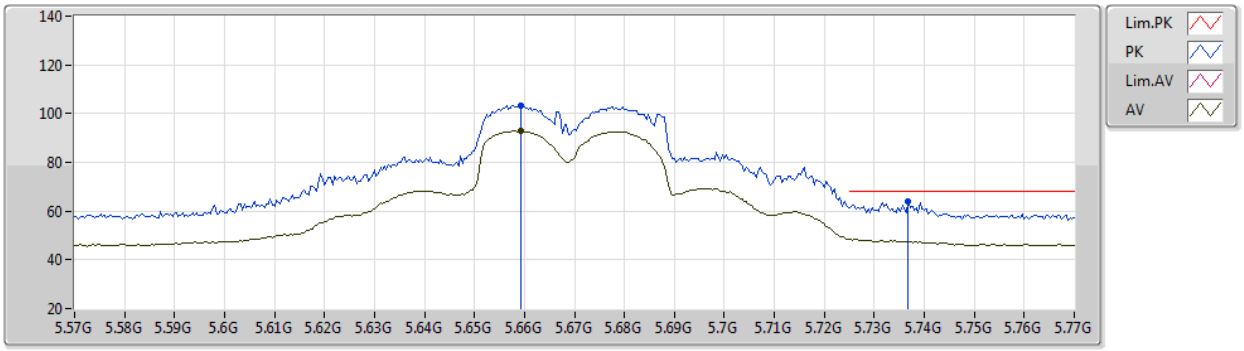
EUT Z_2TX
Setting 18
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.6592G	107.82	Inf	-Inf	102.93	3	Vertical	47	2.43	-	34.16	5.43	34.70
AV	5.6592G	97.16	Inf	-Inf	92.27	3	Vertical	47	2.43	-	34.16	5.43	34.70
PK	5.7392G	68.00	68.20	-0.20	62.96	3	Vertical	47	2.43	-	34.24	5.47	34.67

802.11ac VHT40_Nss1,(MCS0)_2TX

29/10/2020

5670MHz_TX



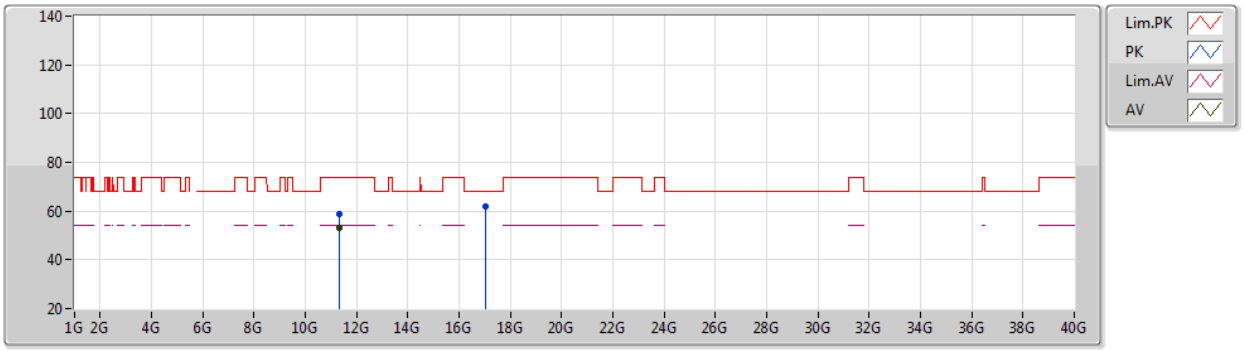
EUT Z_2TX
Setting 18
01-A-G-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.6592G	103.28	Inf	-Inf	98.39	3	Horizontal	66	1.00	-	34.16	5.43	34.70
AV	5.6592G	92.89	Inf	-Inf	88.00	3	Horizontal	66	1.00	-	34.16	5.43	34.70
PK	5.7368G	63.87	68.20	-4.33	58.85	3	Horizontal	66	1.00	-	34.22	5.47	34.67

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

29/10/2020



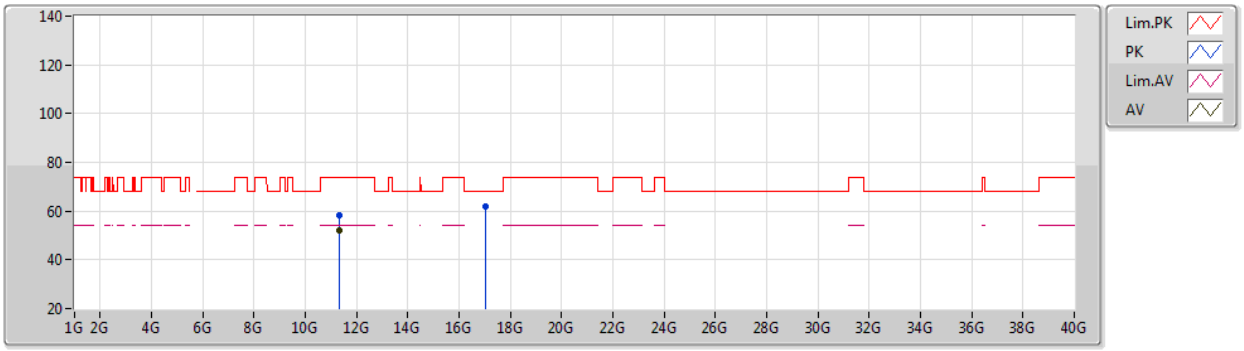
EUT Z_2TX
Setting 18
01-A-J-7

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	11.33988G	58.66	74.00	-15.34	47.29	3	Vertical	0	2.82	-	38.44	7.77	34.84
AV	11.33993G	53.06	54.00	-0.94	41.69	3	Vertical	0	2.82	-	38.44	7.77	34.84
PK	17.01005G	61.76	68.20	-6.44	44.59	3	Vertical	167	2.89	-	41.22	9.65	33.70

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

29/10/2020



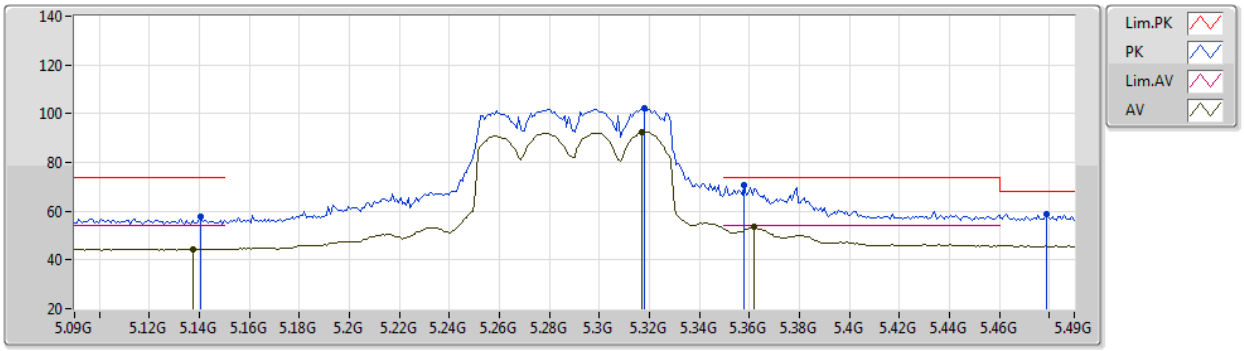
EUT Z_2TX
Setting 18
01-A-J-7

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	11.33987G	58.45	74.00	-15.55	47.08	3	Horizontal	7	2.29	-	38.44	7.77	34.84
AV	11.33993G	52.03	54.00	-1.97	40.66	3	Horizontal	7	2.29	-	38.44	7.77	34.84
PK	17.00952G	61.95	68.20	-6.25	44.78	3	Horizontal	166	1.83	-	41.22	9.65	33.70

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

30/10/2020



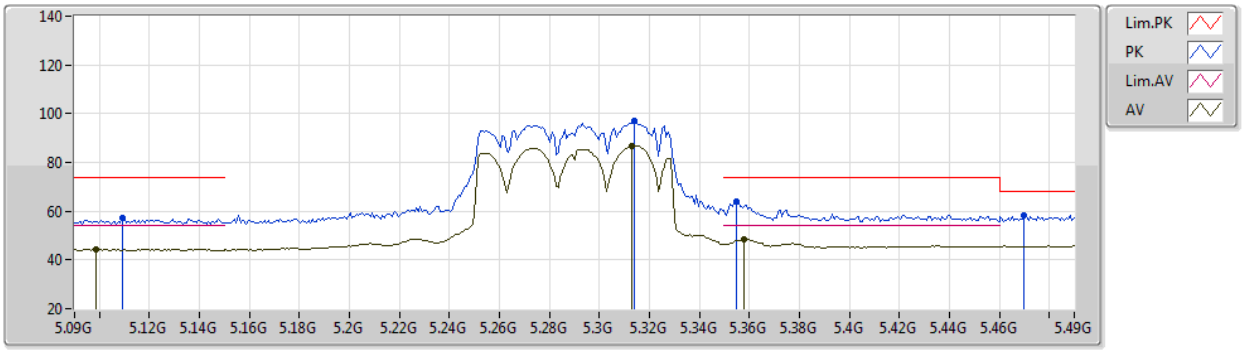
EUT Z_2TX
Setting 13.5
01-A-J-7-10

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	5.1404G	57.71	74.00	-16.29	54.45	3	Vertical	137	1.00	-	32.72	5.17	34.63
AV	5.1372G	44.46	54.00	-9.54	41.19	3	Vertical	137	1.00	-	32.73	5.17	34.63
PK	5.318G	102.33	Inf	-Inf	98.60	3	Vertical	137	1.00	-	33.10	5.32	34.69
AV	5.3172G	92.30	Inf	-Inf	88.57	3	Vertical	137	1.00	-	33.10	5.32	34.69
PK	5.358G	70.45	74.00	-3.55	66.68	3	Vertical	137	1.00	-	33.12	5.36	34.71
AV	5.362G	53.74	54.00	-0.26	49.97	3	Vertical	137	1.00	-	33.12	5.36	34.71
PK	5.4788G	58.80	68.20	-9.40	54.43	3	Vertical	137	1.00	-	33.72	5.40	34.75

802.11ac VHT80_Nss1,(MCS0)_2TX

30/10/2020

5290MHz_TX



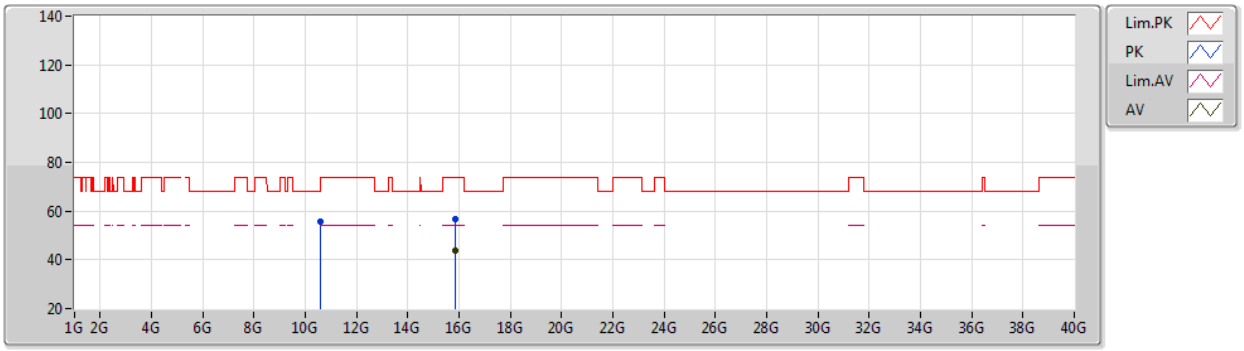
EUT Z_2TX
Setting 13.5
01-A-J-7-10

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	5.1092G	57.19	74.00	-16.81	53.88	3	Horizontal	258	2.82	-	32.78	5.15	34.62
AV	5.0988G	44.37	54.00	-9.63	41.04	3	Horizontal	258	2.82	-	32.80	5.15	34.62
PK	5.314G	97.07	Inf	-Inf	93.35	3	Horizontal	258	2.82	-	33.10	5.31	34.69
AV	5.3132G	86.71	Inf	-Inf	82.99	3	Horizontal	258	2.82	-	33.10	5.31	34.69
PK	5.3548G	64.02	74.00	-9.98	60.27	3	Horizontal	258	2.82	-	33.11	5.35	34.71
AV	5.358G	48.30	54.00	-5.70	44.53	3	Horizontal	258	2.82	-	33.12	5.36	34.71
PK	5.47G	58.34	68.20	-9.86	54.01	3	Horizontal	258	2.82	-	33.68	5.40	34.75

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

30/10/2020



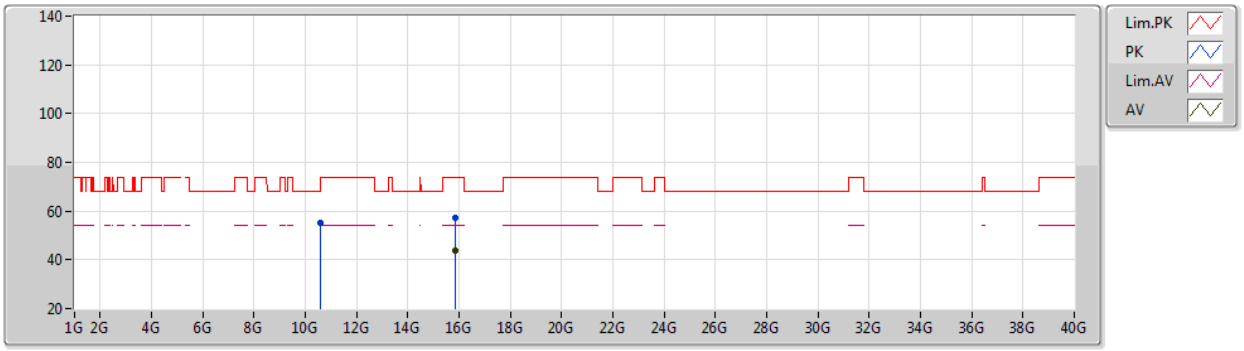
EUT Z_2TX
Setting 13.5
01-A-J-7

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	10.57992G	55.76	68.20	-12.44	44.96	3	Vertical	291	2.24	-	38.50	7.50	35.20
PK	15.86966G	56.88	74.00	-17.12	44.30	3	Vertical	344	2.72	-	38.47	9.27	35.16
AV	15.86986G	43.78	54.00	-10.22	31.20	3	Vertical	344	2.72	-	38.47	9.27	35.16

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

30/10/2020



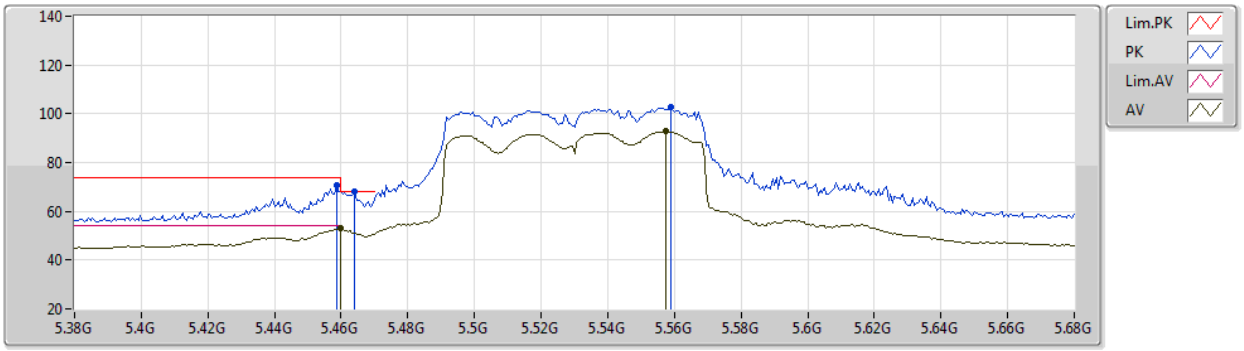
EUT Z_2TX
Setting 13.5
01-A-J-7

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	10.57949G	55.24	68.20	-12.96	44.44	3	Horizontal	289	1.00	-	38.50	7.50	35.20
PK	15.87052G	57.12	74.00	-16.88	44.54	3	Horizontal	37	1.76	-	38.47	9.27	35.16
AV	15.87098G	43.83	54.00	-10.17	31.25	3	Horizontal	37	1.76	-	38.47	9.27	35.16

802.11ac VHT80_Nss1,(MCS0)_2TX

30/10/2020

5530MHz_TX



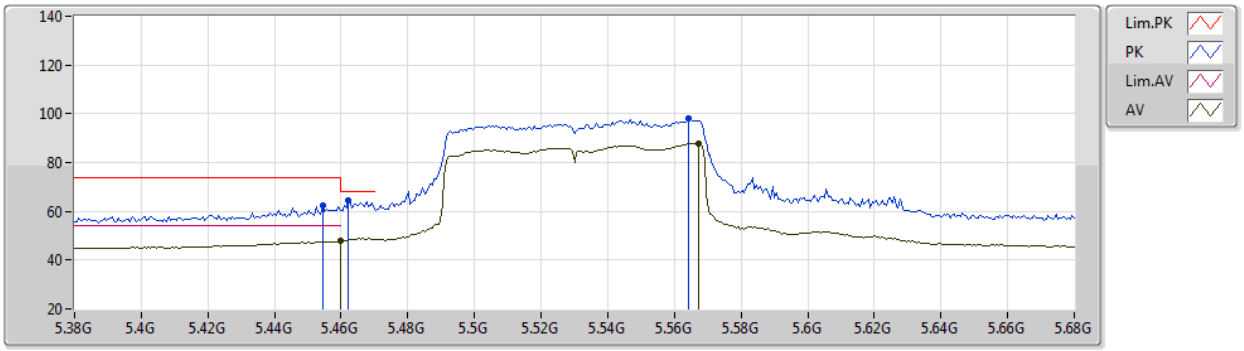
EUT Z_2TX
Setting 14
01-A-J-7-10

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	5.4586G	70.60	74.00	-3.40	66.32	3	Vertical	48	2.45	-	33.63	5.40	34.75
AV	5.4598G	52.93	54.00	-1.07	48.64	3	Vertical	48	2.45	-	33.64	5.40	34.75
PK	5.464G	67.92	68.20	-0.28	63.61	3	Vertical	48	2.45	-	33.66	5.40	34.75
PK	5.5588G	102.54	Inf	-Inf	97.96	3	Vertical	48	2.45	-	33.92	5.40	34.74
AV	5.5576G	92.78	Inf	-Inf	88.20	3	Vertical	48	2.45	-	33.92	5.40	34.74

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

30/10/2020



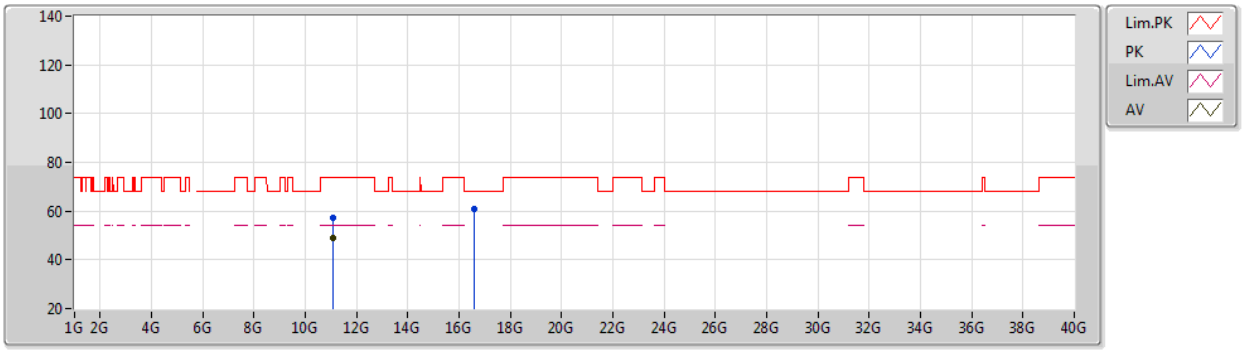
EUT Z_2TX
Setting 14
01-A-J-7-10

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	5.4544G	62.19	74.00	-11.81	57.91	3	Horizontal	167	2.68	-	33.62	5.40	34.74
PK	5.4622G	64.44	68.20	-3.76	60.14	3	Horizontal	167	2.68	-	33.65	5.40	34.75
AV	5.4598G	47.72	54.00	-6.28	43.43	3	Horizontal	167	2.68	-	33.64	5.40	34.75
PK	5.5642G	97.94	Inf	-Inf	93.35	3	Horizontal	167	2.68	-	33.93	5.40	34.74
AV	5.5672G	87.73	Inf	-Inf	83.13	3	Horizontal	167	2.68	-	33.93	5.40	34.73

802.11ac VHT80_Nss1,(MCS0)_2TX

30/10/2020

5530MHz_TX



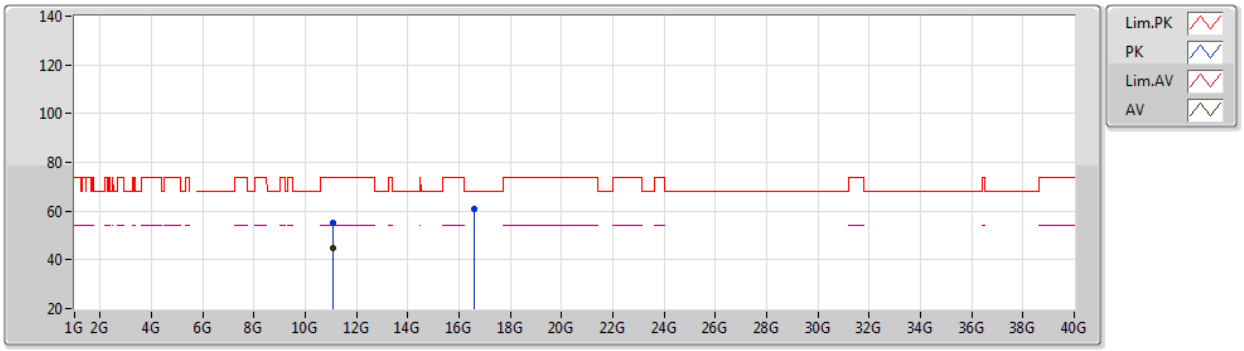
EUT Z_2TX
Setting 14
01-A-J-7

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	11.05996G	57.12	74.00	-16.88	45.96	3	Vertical	0	2.81	-	38.34	7.67	34.85
AV	11.05992G	48.77	54.00	-5.23	37.61	3	Vertical	0	2.81	-	38.34	7.67	34.85
PK	16.58983G	60.71	68.20	-7.49	45.73	3	Vertical	92	1.72	-	40.01	9.51	34.54

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

30/10/2020



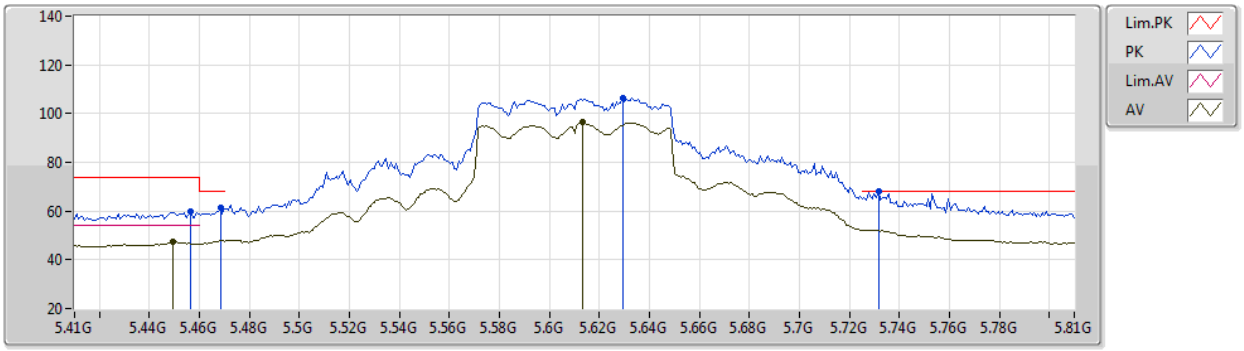
EUT Z_2TX
Setting 14
01-A-J-7

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	11.05994G	55.02	74.00	-18.98	43.86	3	Horizontal	355	2.28	-	38.34	7.67	34.85
AV	11.05991G	44.65	54.00	-9.35	33.49	3	Horizontal	355	2.28	-	38.34	7.67	34.85
PK	16.59008G	60.82	68.20	-7.38	45.84	3	Horizontal	146	1.80	-	40.01	9.51	34.54

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

30/10/2020



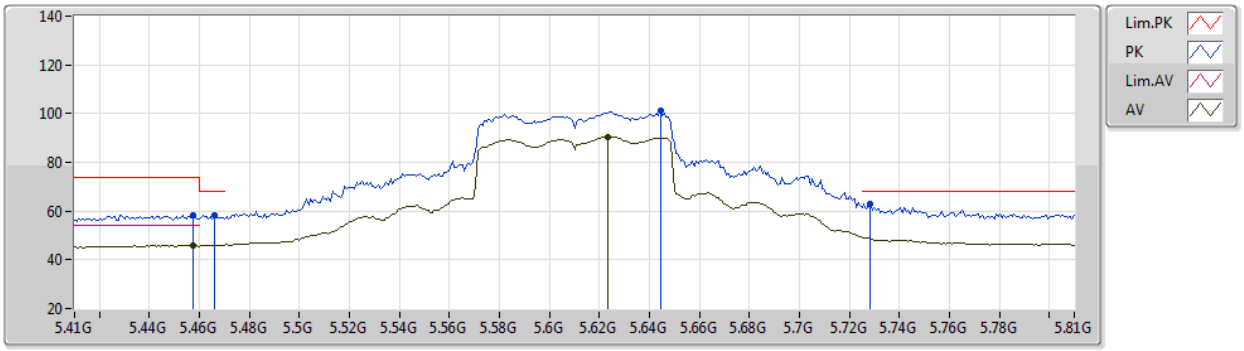
EUT Z_2TX
Setting 18
01-A-J-7-10

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	5.4564G	59.66	74.00	-14.34	55.37	3	Vertical	143	2.34	-	33.63	5.40	34.74
AV	5.4492G	47.28	54.00	-6.72	43.03	3	Vertical	143	2.34	-	33.59	5.40	34.74
PK	5.4684G	61.13	68.20	-7.07	56.81	3	Vertical	143	2.34	-	33.67	5.40	34.75
PK	5.6292G	106.48	Inf	-Inf	101.66	3	Vertical	143	2.34	-	34.12	5.41	34.71
AV	5.6132G	96.32	Inf	-Inf	91.58	3	Vertical	143	2.34	-	34.05	5.41	34.72
PK	5.7316G	67.86	68.20	-0.34	62.87	3	Vertical	143	2.34	-	34.19	5.47	34.67

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

30/10/2020



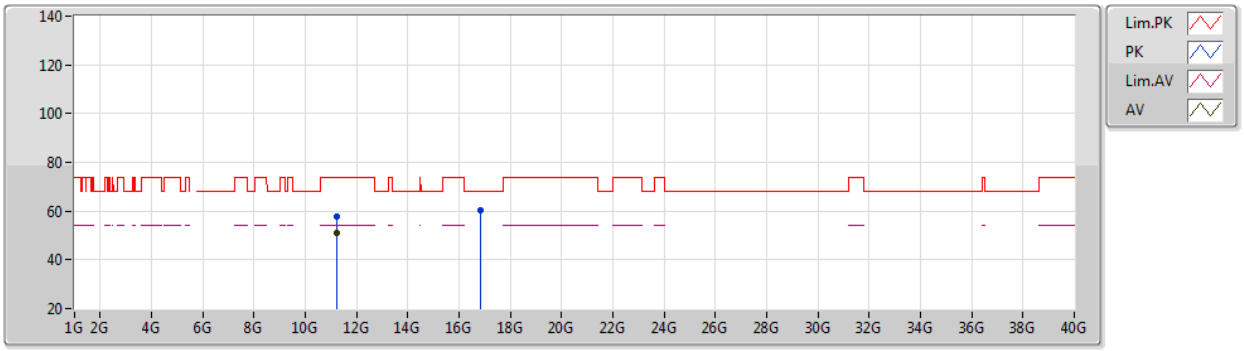
EUT Z_2TX
Setting 18
01-A-J-7-10

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	5.4572G	58.35	74.00	-15.65	54.06	3	Horizontal	165	2.54	-	33.63	5.40	34.74
AV	5.4572G	46.06	54.00	-7.94	41.77	3	Horizontal	165	2.54	-	33.63	5.40	34.74
PK	5.466G	58.39	68.20	-9.81	54.08	3	Horizontal	165	2.54	-	33.66	5.40	34.75
PK	5.6444G	101.06	Inf	-Inf	96.17	3	Horizontal	165	2.54	-	34.18	5.42	34.71
AV	5.6236G	90.54	Inf	-Inf	85.75	3	Horizontal	165	2.54	-	34.09	5.41	34.71
PK	5.7284G	63.06	68.20	-5.14	58.10	3	Horizontal	165	2.54	-	34.17	5.46	34.67

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

30/10/2020



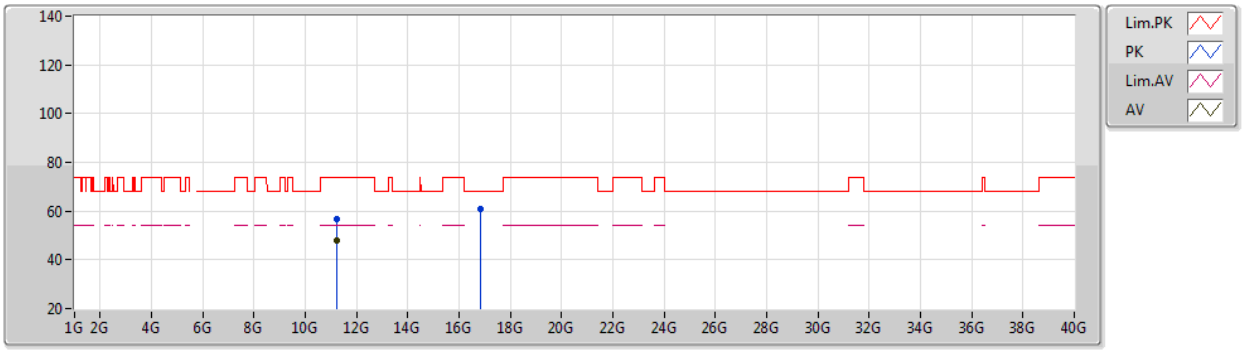
EUT Z_2TX
Setting 18
01-A-J-7

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	11.21998G	57.81	74.00	-16.19	46.60	3	Vertical	1	2.82	-	38.32	7.73	34.84
AV	11.21996G	50.84	54.00	-3.16	39.63	3	Vertical	1	2.82	-	38.32	7.73	34.84
PK	16.82952G	60.54	68.20	-7.66	44.16	3	Vertical	254	2.06	-	40.83	9.59	34.04

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

30/10/2020



EUT Z_2TX
Setting 18
01-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	11.2199G	56.86	74.00	-17.14	45.65	3	Horizontal	88	2.26	-	38.32	7.73	34.84
AV	11.21994G	48.00	54.00	-6.00	36.79	3	Horizontal	88	2.26	-	38.32	7.73	34.84
PK	16.83022G	60.88	68.20	-7.32	44.50	3	Horizontal	174	1.33	-	40.83	9.59	34.04