

FCC Test Report

Equipment : Secured Wireless Access Point
Brand Name : Fortinet, Inc.
Model No. : FORTIAP-U321EVxxxxxx, FAP-U321EVxxxxxx;
FORTIAP-U323EVxxxxxx, FAP-U323EVxxxxxx.
(Refer to Section 1.1.5 for more details)
FCC ID : TVE-261DD011
Standard : 47 CFR FCC Part 15.407
Operating Band : 5150 MHz – 5250 MHz
5725 MHz – 5850 MHz
Applicant : Fortinet, Inc.
899 Kifer Road, Sunnyvale, CA 94086, USA
Manufacturer : Universal Global Scientific Industrial Co., Ltd
141, Lane 351, Sec. 1, Taiping Road., Tsautuen, Nantou
54261, Taiwan
Function : ☐ Outdoor; ☒ Indoor; ☐ Fixed P2P
☐ Client

The product sample received on May 15, 2017 and completely tested on Sep. 08, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

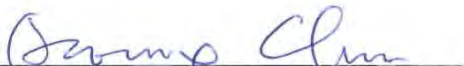

Phoenix Chen
SPORTON INTERNATIONAL INC.



Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Testing Applied Standards	8
1.3	Testing Location Information	8
1.4	Measurement Uncertainty	8
2	TEST CONFIGURATION OF EUT.....	9
2.1	Test Condition	9
2.2	Test Channel Mode	10
2.3	The Worst Case Measurement Configuration.....	11
2.4	Support Equipment.....	13
2.5	Test Setup Diagram	14
3	TRANSMITTER TEST RESULT	16
3.1	AC Power-line Conducted Emissions	16
3.2	Emission Bandwidth	17
3.3	Maximum Conducted Output Power	18
3.4	Peak Power Spectral Density.....	20
3.5	Unwanted Emissions.....	22
3.6	Frequency Stability.....	26
4	TEST EQUIPMENT AND CALIBRATION DATA	27
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS		
APPENDIX B. TEST RESULTS OF EMISSION BANDWIDTH		
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER		
APPENDIX D. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY		
APPENDIX E. TEST RESULTS OF UNWANTED EMISSIONS		
APPENDIX F. TEST RESULTS OF FREQUENCY STABILITY		
APPENDIX G. TEST RESULTS OF RADIATED EMISSION CO-LOCATION		
APPENDIX H. TEST PHOTOS		
PHOTOGRAPHS OF EUT v01		

Summary of Test Result

Conformance Test Specifications			
Report Clause	Ref. Std. Clause	Description	Result
1.1.2	15.203	Antenna Requirement	Complied
3.1	15.207	AC Power-line Conducted Emissions	Complied
3.2	15.407(a)	Emission Bandwidth	Complied
3.3	15.407(a)	Maximum Conducted Output Power	Complied
3.4	15.407(a)	Peak Power Spectral Density	Complied
3.5	15.407(b)	Unwanted Emissions	Complied
3.6	15.407(g)	Frequency Stability	Complied



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TEL : 886-3-3273456
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FCC ID: TVE-261DD011

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	3TX
5.725-5.85GHz	802.11a	20	3TX
5.15-5.25GHz	802.11ac VHT20	20	3TX
5.725-5.85GHz	802.11ac VHT20	20	3TX
5.15-5.25GHz	802.11ac VHT40	40	3TX
5.725-5.85GHz	802.11ac VHT40	40	3TX
5.15-5.25GHz	802.11ac VHT80	80	3TX
5.725-5.85GHz	802.11ac VHT80	80	3TX

Note:

- ♦ 11a 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
<FAP-U321EV>

eth1 module						
Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
A	1	-	-	PIFA Antenna	I-PEX	7.3
B	2	-	-	PIFA Antenna	I-PEX	7.3
C	3	-	-	PIFA Antenna	I-PEX	7.3
eth2 module						
Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
A	1	-	-	PIFA Antenna	I-PEX	5
B	2	-	-	PIFA Antenna	I-PEX	5
C	3	-	-	PIFA Antenna	I-PEX	5

<FAP-U323EV>

eth1 module						
Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
A	1	-	-	Dipole Antenna	Reversed-SMA	4.5
B	2	-	-	Dipole Antenna	Reversed-SMA	4.5
C	3	-	-	Dipole Antenna	Reversed-SMA	4.5
eth2 module						
Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
A	1	-	-	Dipole Antenna	Reversed-SMA	5
B	2	-	-	Dipole Antenna	Reversed-SMA	5
C	3	-	-	Dipole Antenna	Reversed-SMA	5

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter / PoE		
Beamforming Function	☐ With beamforming	☒ Without beamforming	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:		...
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		...
☐	Other:		

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.942	0.259	2.065m	1k
802.11ac VHT20	0.986	0.061	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT40	0.983	0.074	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT80	0.93	0.315	464.625u	3k

1.1.5 Table for Multiple Listing

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

Model	Difference	Description
FORTIAP-U321EVxxxxxx	Internal antenna	where"x" can be used as "A-Z", or "-0-9, or"-",or blank for software changes or marketing purposes only
FAP-U321EVxxxxxx		
FORTIAP-U323EVxxxxxx	External antenna	where"x" can be used as "A-Z", or "-0-9, or"-",or blank for software changes or marketing purposes only
FAP-U323EVxxxxxx		
Note 1: The sample is the same one, only the antenna configuration is different.		
Note 2: For more detailed features description, please refer to the specifications or user's manual.		

1.2 Testing Applied 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
- ♦ ANSI C63.4-2014
- ♦ KDB 789033 D02 v01r04
- ♦ KDB 644545 D03 v01
- ♦ KDB 662911 D01 v02r01

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
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Teddy	22°C / 58%	23/Jun/2017
RF Conducted	TH01-HY	Gary	22.5°C / 64%	09/Jun/2017
Radiated < 1GHz <FAP-U321EV>	03CH09-HY	Eric	24.2°C / 56%	08/Sep/2017
Radiated < 1GHz <FAP-U323EV>	03CH09-HY	Eric	24.2°C / 56%	08/Sep/2017
Radiated > 1GHz <FAP-U321EV>	03CH09-HY	Jeff	23.8°C / 55%	17/Jun/2017
Radiated > 1GHz <FAP-U323EV>	03CH09-HY	Jeff	20.7°C / 57%	02/Jun/2017

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	2.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	2.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	2.9 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V
Freq. Stability	Abbreviation	Remark
0°C	-	-
10°C	-	-
20°C	-	-
30°C	-	-
40°C	-	-
50°C	-	-
138V	-	-
120V	-	-
102V	-	-

2.2 Test Channel Mode

Test Software Version	accessMTool_REL_3_0_0_3
------------------------------	-------------------------

Mode	Power Setting
802.11a_(6Mbps)_3TX	-
5180MHz	74
5200MHz	74
5240MHz	73
5745MHz	89
5785MHz	90
5825MHz	89
802.11ac VHT20_Nss1,(MCS0)_3TX	-
5180MHz	70
5200MHz	72
5240MHz	72
5745MHz	89
5785MHz	90
5825MHz	89
802.11ac VHT40_Nss1,(MCS0)_3TX	-
5190MHz	60
5230MHz	82
5755MHz	88
5795MHz	88
802.11ac VHT80_Nss1,(MCS0)_3TX	-
5210MHz	57
5775MHz	80

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	FAP-U321EV + WiFi 2.4G+5G+BT , USB R/W + LAN 1Gbps (LAN1 & LAN2) + ADAPTER
2	FAP-U321EV + WiFi 2.4G+5G+BT , USB R/W + LAN 1Gbps (LAN2) + PoE Adapter(LAN1)
3	FAP-U321EV + WiFi 2.4G+5G+BT , USB R/W + LAN 1Gbps (LAN1) + PoE Adapter(LAN2)
4	FAP-U323EV+ WiFi 2.4G+5G+BT , USB R/W + LAN 1Gbps (LAN1 & LAN2) + ADAPTER
Mode 4 configuration was tested and found to be the worst case and measured during the test.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability
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	CTX	
1	Adapter mode <FAP-U321EV>	
2	Adapter mode <FAP-U323EV>	
Orthogonal Planes of EUT	Y Plane	Z Plane
		
Worst Planes of EUT <FAP-U321EV>	V	
Worst Planes of EUT <FAP-U323EV>		V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Adapter mode <FAP-U321EV>
2	Adapter mode <FAP-U323EV>
Refer to Sporton Test Report No.: FA751119 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.4 Support Equipment

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Adapter	NETGEAR	2ABL030F	DoC
B	USB 3.0 Flash Disk	Kingston	DTSE9G2/16GBFR	DoC
Z	Notebook	DELL	VOSTRO 3350	DoC
Z	Notebook	DELL	E5430	DoC
Z	Notebook1(5G)	DELL	P55G	DoC
Z	Notebook2(2.4G)	DELL	VOSTRO 3350	DoC

Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	AC Source	GW	APS-9102	-

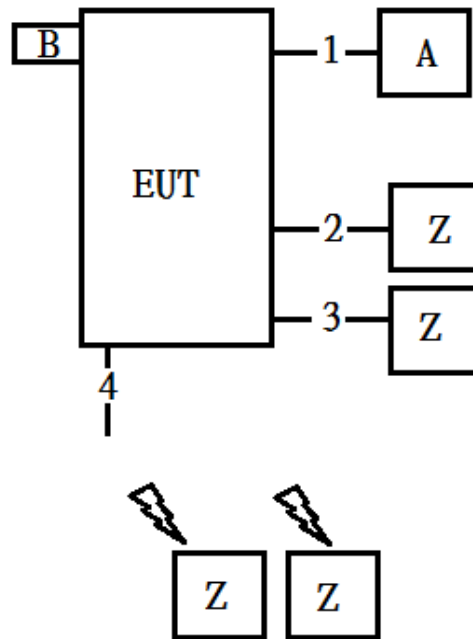
Support Equipment – Radiated Emission < 1GHz				
No.	Equipment	Brand Name	Model Name	FCC ID
-	-	-	-	-

Support Equipment – Radiated Emission > 1GHz				
No.	Equipment	Brand Name	Model Name	FCC ID
1	AC Adapter for EUT	APD	WA-30J12R	-

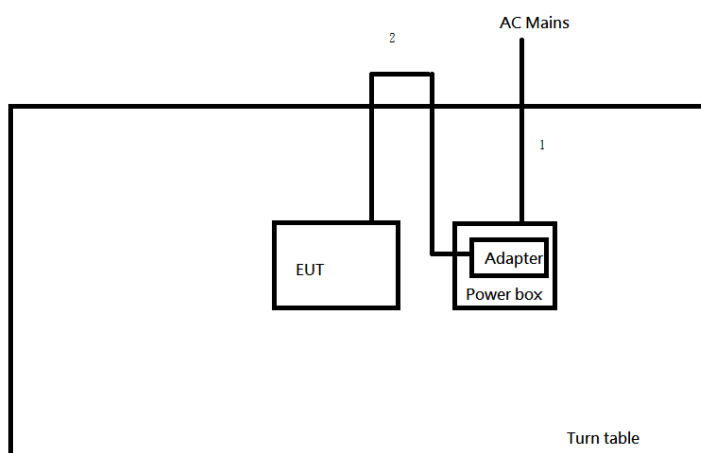
Note: Support equipment No.1 was provided by customer.

2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	DC power cable	No	1.8m
2	RJ45 Cable	No	10m
3	RJ45 Cable	No	10m
4	console(Floating)	No	1.8m

Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length
1	AC Power Line	No	1.8m
2	DC Power Line	No	1.5m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

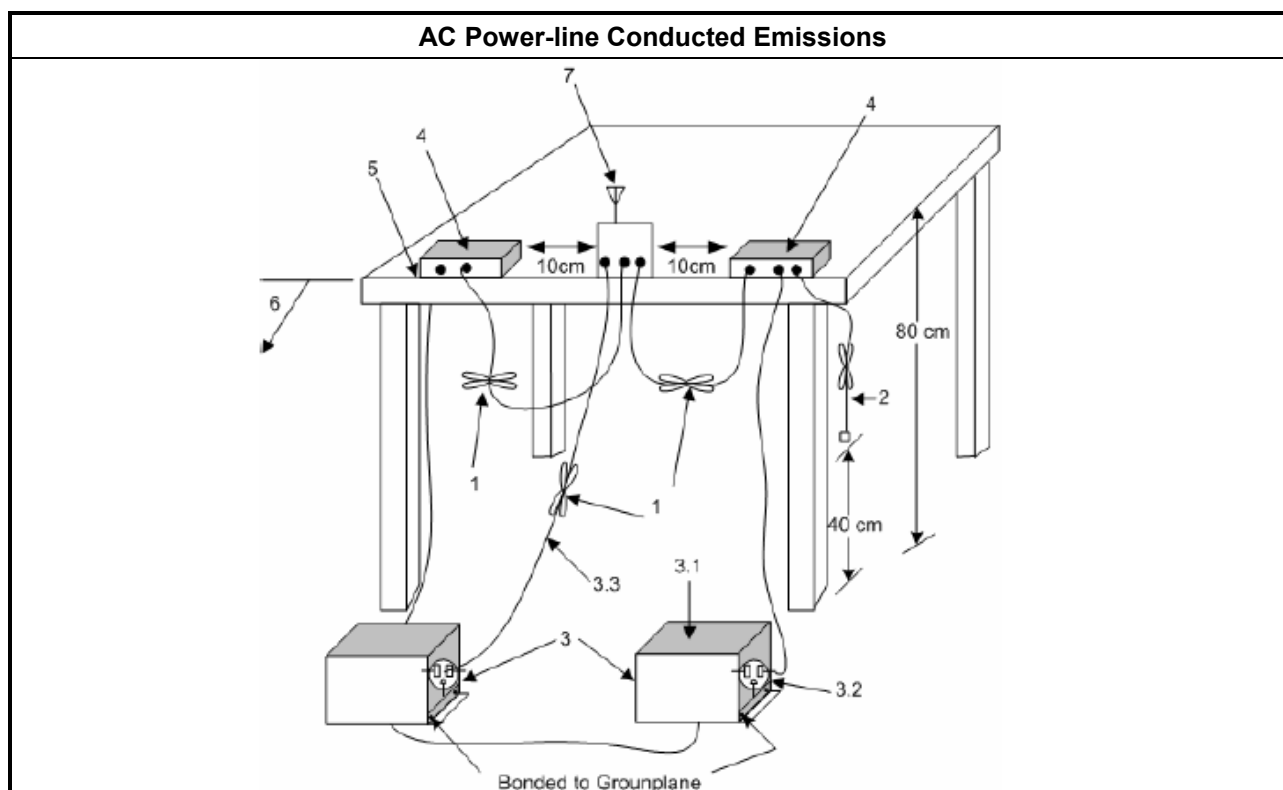
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☐	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

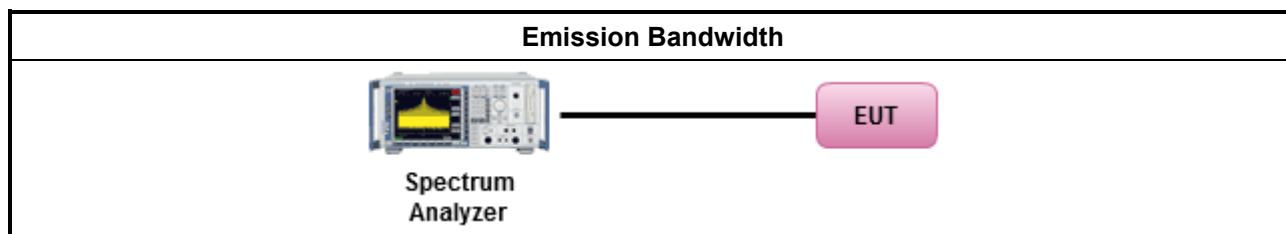
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

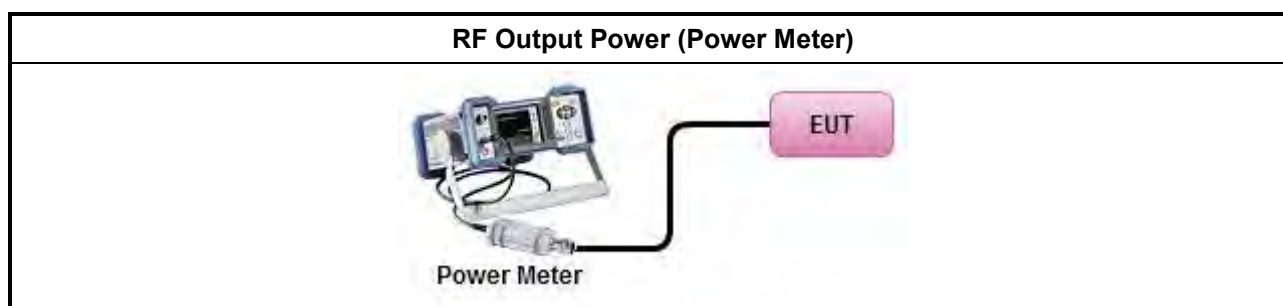
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☐	Refer as 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 KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as 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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$.
	Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☐ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
	Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

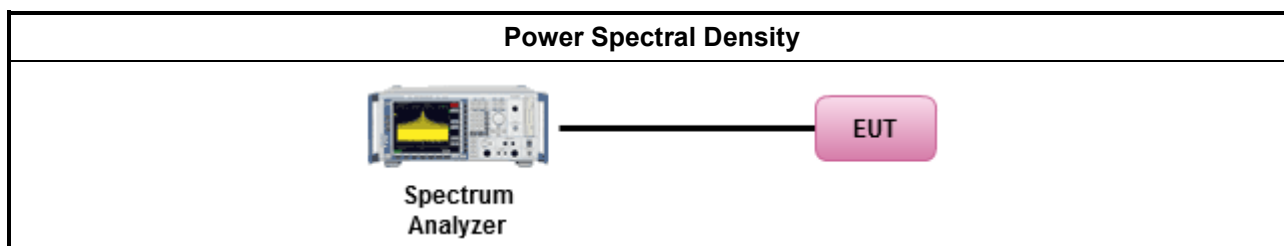
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as 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%	
☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
Duty cycle < 98%	
☒ Refer as 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:	
☒ Measure and sum the spectra across the outputs. Refer as 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.	
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated 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.

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	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

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

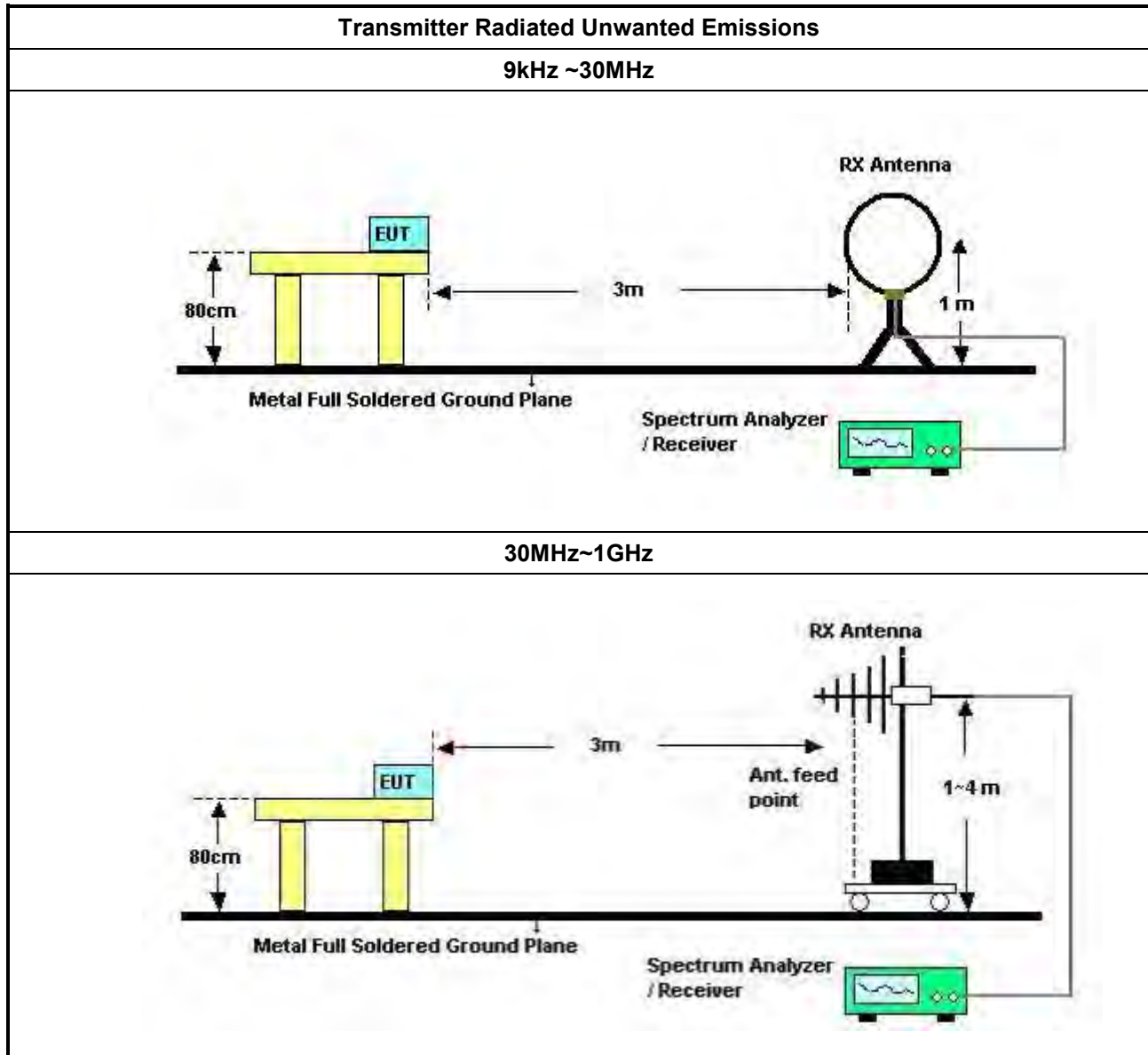
3.5.2 Measuring Instruments

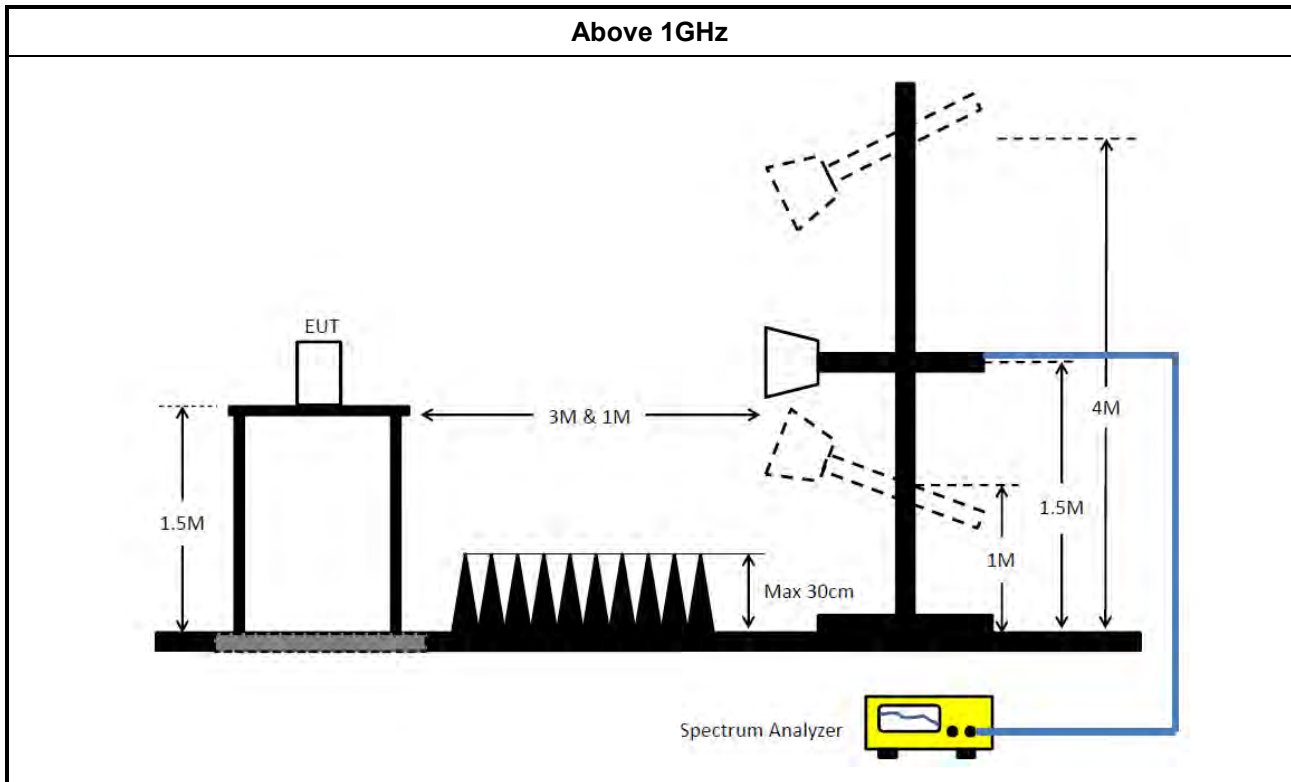
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
	☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

Frequency Stability Limit	
UNII Devices	
In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.	
IEEE Std. 802.11	
The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band.	

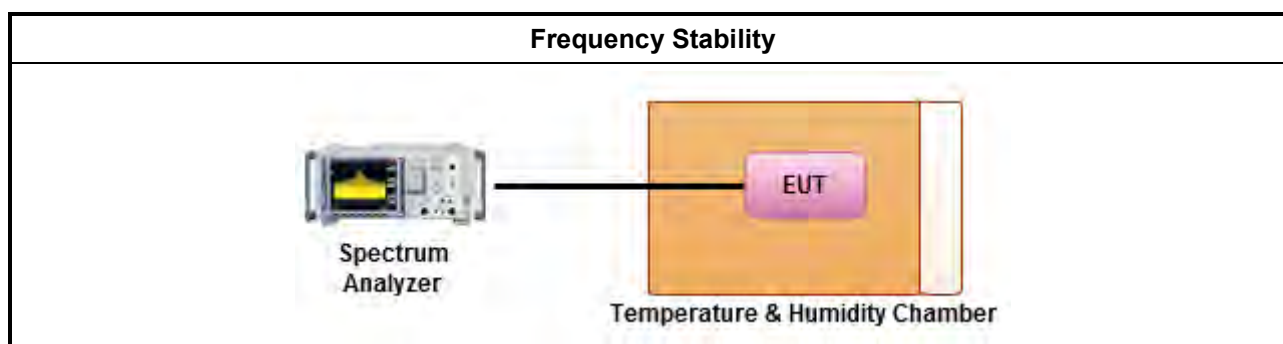
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method	
Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
	Frequency stability with respect to ambient temperature
	Frequency stability when varying supply voltage

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	14/Nov/2017
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
Impedance Stabilization Network	TESEQ	ISN T800	30330	9kHz ~ 30MHz	13/Apr/2017	12/Apr/2018
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	20/Oct/2016	19/Oct/2017

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP 40	100305	9kHz~40GHz	30/Dec/2016	29/Dec/2017
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	21/Jul/2016	20/Jul/2017
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	27/Jul/2016	26/Jul/2017
TEMP & humidity Chamber	GIANT FORCE	GTH-225-40-CP-AR	MAA1311-008	-40~100℃ 10~98%RH	10/May/2017	09/May/2018
Power Sensor	Agilent	U2021XA	MY54320011	50MHz~18GHz	23/Aug/2016	22/Aug/2017
Power Sensor	Agilent	U2021XA	MY54320013	50MHz~18GHz	23/Aug/2016	22/Aug/2017
Power Sensor	Agilent	U2021XA	MY54320020	50MHz~18GHz	22/Jun/2016	21/Jun/2017
Power Sensor	Agilent	U2021XA	MY54110022	50MHz~18GHz	22/Jun/2016	21/Jun/2017

Instrument for Radiated Test < 1GHz <FAP-U321EV>

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	25/Apr/2017	24/Apr/2018
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	25/Apr/2017	24/Apr/2018
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	20/Jul/2017	19/Jul/2018
Bilog Antenna	TESEQ	CBL 6111D	35418	30MHz~1GHz	01/Oct/2016	30/Sep/2017
Loop Antenna	R&S	HFH2-Z2	100330	9 kHz~30 MHz	10/Nov/2016	09/Nov/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	02/Feb/2017	01/Feb/2018
Receiver	R&S	ESU-26	100422/026	20Hz ~ 26.5GHz	21/Sep/2016	20/Sep/2017

**Instrument for Radiated Test < 1GHz <FAP-U323EV>**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	25/Apr/2017	24/Apr/2018
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	25/Apr/2017	24/Apr/2018
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	20/Jul/2017	19/Jul/2018
Bilog Antenna	TESEQ	CBL 6111D	35418	30MHz~1GHz	01/Oct/2016	30/Sep/2017
Loop Antenna	R&S	HFH2-Z2	100330	9 kHz~30 MHz	10/Nov/2016	09/Nov/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	02/Feb/2017	01/Feb/2018
Receiver	R&S	ESU-26	100422/026	20Hz ~ 26.5GHz	21/Sep/2016	20/Sep/2017

Instrument for Radiated Test > 1GHz <FAP-U321EV>

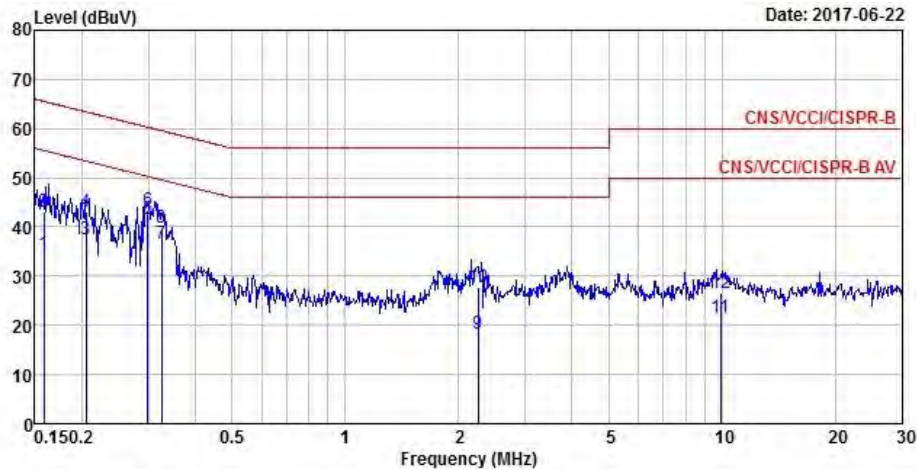
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	18/Jun/2017	17/Jun/2018
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	25/Apr/2017	24/Apr/2018
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	04/Jul/2016	03/Jul/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA9120D 1534	1GHz~18GHz	28/Apr/2017	27/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170614	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Amplifier	MITEQ	JS44-18004000-3 3-8P	1840917	18GHz ~ 40GHz	02/Jun/2017	01/Jun/2018
RF Cable-high	Jye Bao	RG142	03CH09-HY	1GHz ~ 40GHz	23/Jul/2016	22/Jul/2017

Instrument for Radiated Test > 1GHz <FAP-U323EV>

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	18/Jun/2017	17/Jun/2018
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	21/Jun/2016	20/Jun/2017
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	25/Apr/2017	24/Apr/2018
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	04/Jul/2016	03/Jul/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA9120D 1534	1GHz~18GHz	28/Apr/2017	27/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170614	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Amplifier	MITEQ	JS44-18004000-3 3-8P	1840917	18GHz ~ 40GHz	02/Jun/2017	01/Jun/2018
RF Cable-high	Jye Bao	RG142	03CH09-HY	1GHz ~ 40GHz	23/Jul/2016	22/Jul/2017

AC Power-line Conducted Emissions Result

Operating Mode	4	Power Phase	Neutral
Operating Function	FAP-U323EV+ WiFi 2.4G+5G+BT , USB R/W + LAN 1Gbps (LAN1 & LAN2) + ADAPTER		

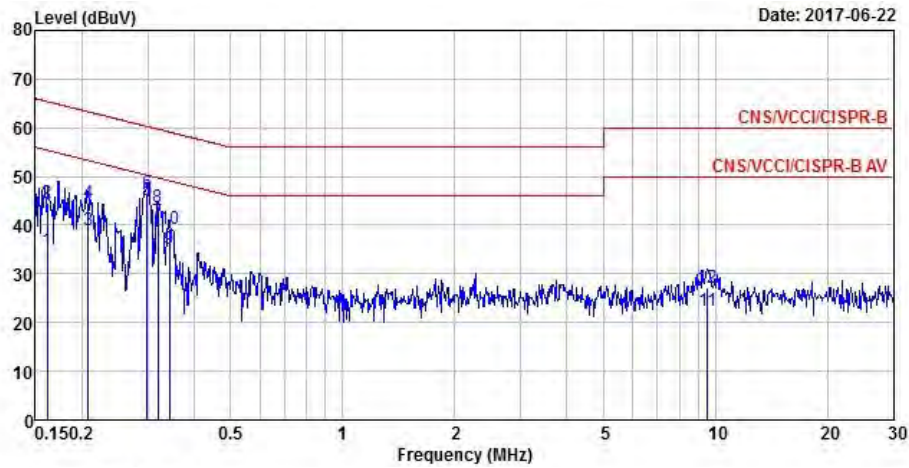


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	34.61	-20.95	55.56	24.77	9.61	0.23	Average
2	0.16	43.23	-22.33	65.56	33.39	9.61	0.23	QP
3	0.21	37.60	-15.80	53.40	27.64	9.67	0.29	Average
4	0.21	43.14	-20.26	63.40	33.18	9.67	0.29	QP
5 MAX	0.30	41.70	-8.58	50.28	31.87	9.65	0.18	Average
6	0.30	43.46	-16.82	60.28	33.63	9.65	0.18	QP
7	0.33	36.67	-12.90	49.57	26.87	9.64	0.16	Average
8	0.33	39.77	-19.80	59.57	29.97	9.64	0.16	QP
9	2.25	18.44	-27.56	46.00	8.51	9.66	0.27	Average
10	2.25	27.61	-28.39	56.00	17.68	9.66	0.27	QP
11	9.91	21.46	-28.54	50.00	11.52	9.74	0.20	Average
12	9.91	26.43	-33.57	60.00	16.49	9.74	0.20	QP

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

AC Power-line Conducted Emissions Result

Operating Mode	4	Power Phase	Line
Operating Function	FAP-U323EV+ WiFi 2.4G+5G+BT , USB R/W + LAN 1Gbps (LAN1 & LAN2) + ADAPTER		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	34.98	-20.40	55.38	25.08	9.66	0.24	Average
2	0.16	44.69	-20.69	65.38	34.79	9.66	0.24	QP
3	0.21	38.85	-14.47	53.32	28.91	9.65	0.29	Average
4	0.21	44.62	-18.70	63.32	34.68	9.65	0.29	QP
5 MAX	0.30	45.06	-5.22	50.28	35.21	9.67	0.18	Average
6	0.30	46.63	-13.65	60.28	36.78	9.67	0.18	QP
7	0.32	40.73	-8.98	49.71	30.89	9.67	0.17	Average
8	0.32	43.84	-15.87	59.71	34.00	9.67	0.17	QP
9	0.34	35.22	-13.91	49.13	25.41	9.67	0.14	Average
10	0.34	39.36	-19.77	59.13	29.55	9.67	0.14	QP
11	9.55	22.31	-27.69	50.00	12.38	9.74	0.19	Average
12	9.55	27.29	-32.71	60.00	17.36	9.74	0.19	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_3TX	-	-	-	-	-
5.15-5.25GHz	32.5M	16.742M	16M7D1D	26.475M	16.592M
5.725-5.85GHz	16.35M	38.306M	38M3D1D	16.25M	19.29M
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	35.05M	17.916M	17M9D1D	25.725M	17.816M
5.725-5.85GHz	17.575M	39.255M	39M3D1D	17.5M	19.715M
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	86.85M	36.982M	37M0D1D	39.7M	36.182M
5.725-5.85GHz	36.35M	50.525M	50M5D1D	36.25M	40.58M
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	81.9M	75.262M	75M3D1D	81.2M	75.062M
5.725-5.85GHz	75.8M	76.262M	76M3D1D	75.7M	76.162M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

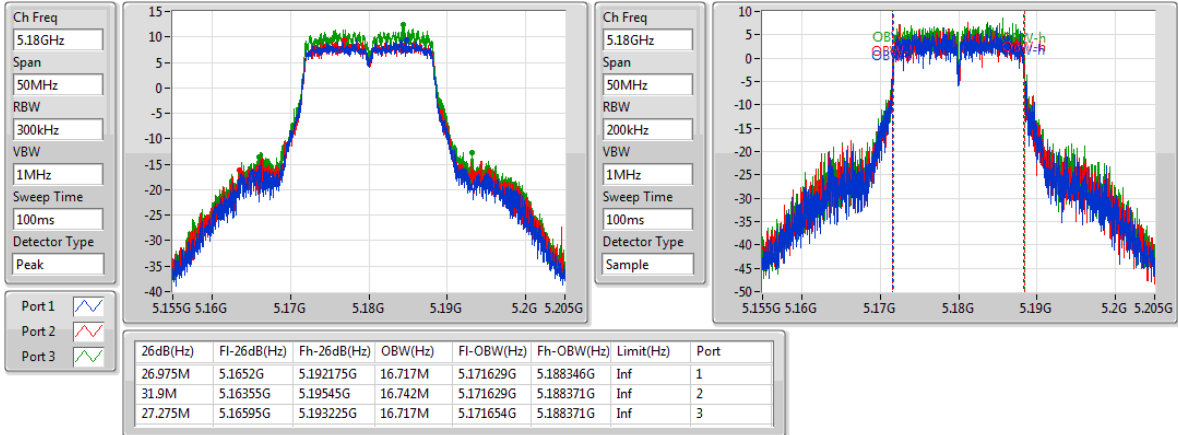
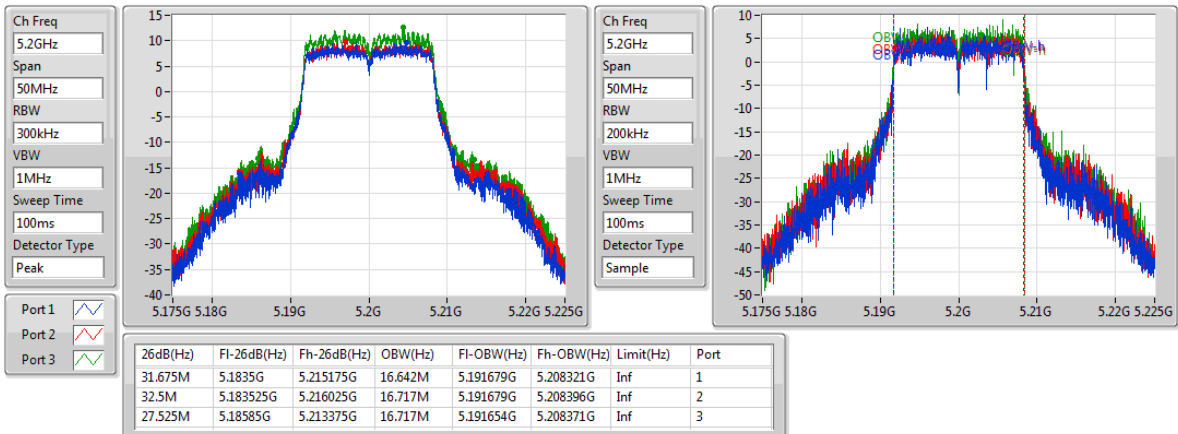
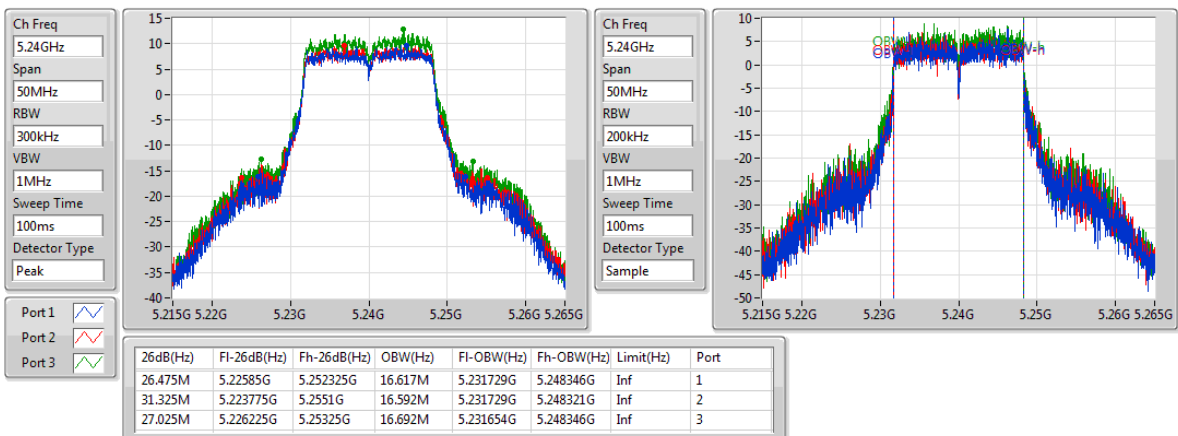
Min-OBW = Minimum 99% occupied bandwidth;

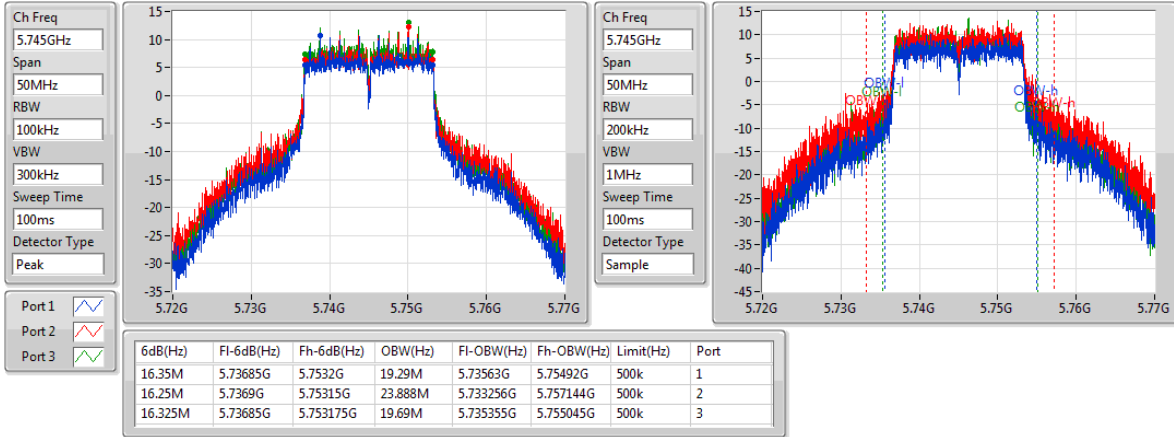
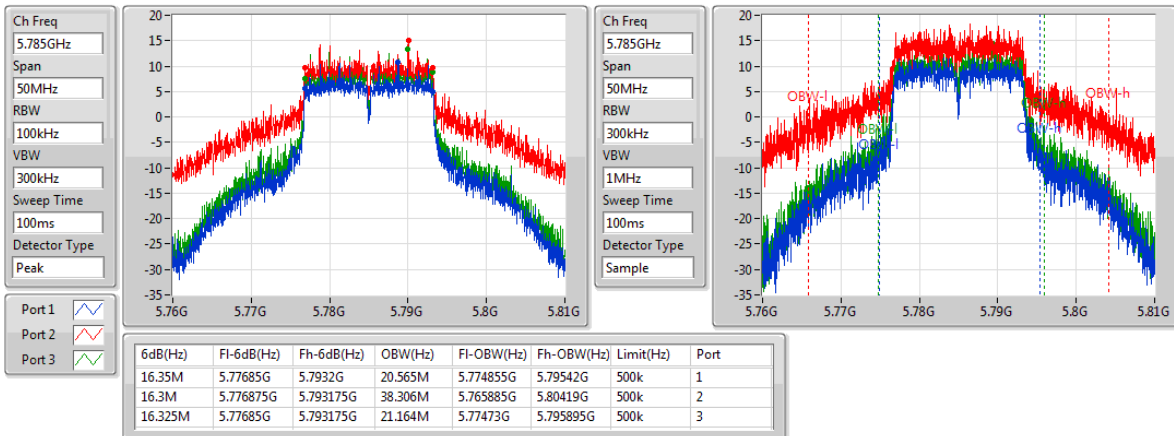
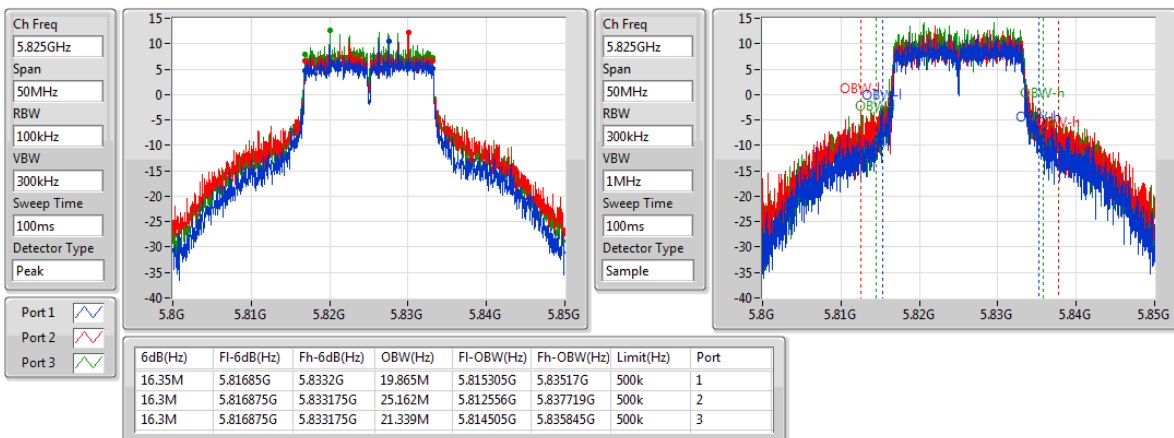
Result

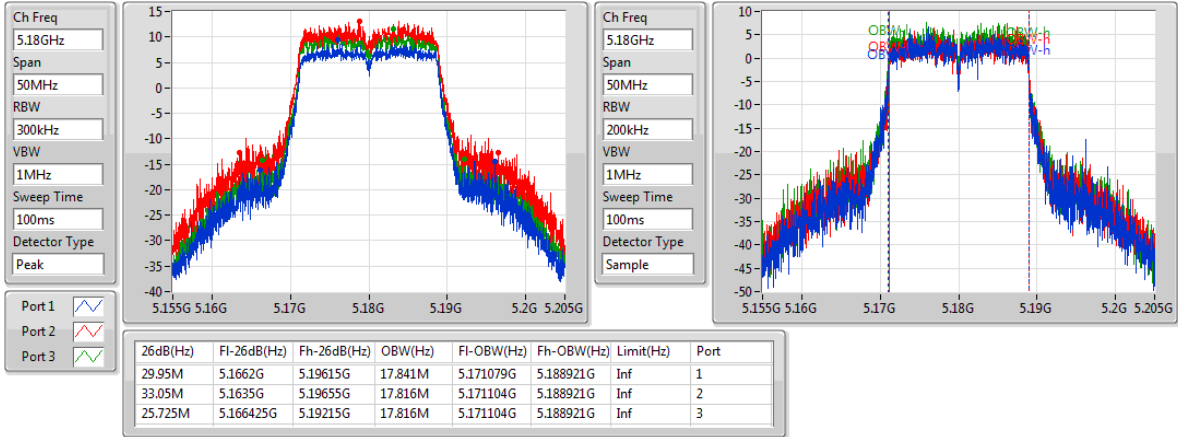
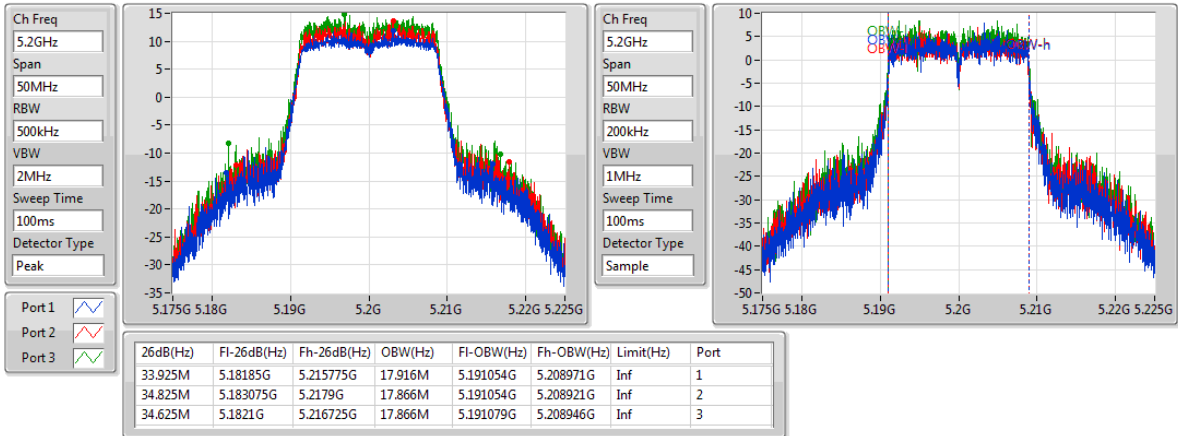
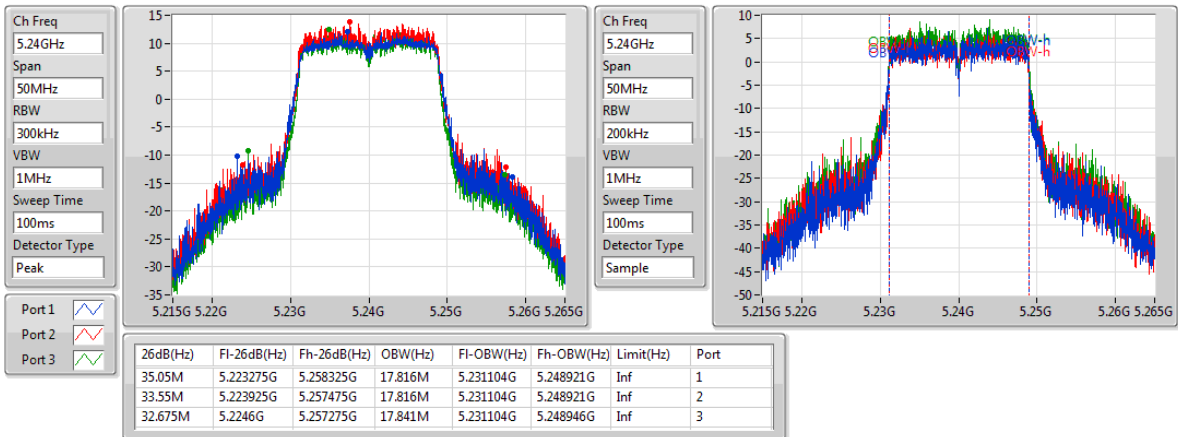
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
802.11a_(6Mbps)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	26.975M	16.717M	31.9M	16.742M	27.275M	16.717M
5200MHz	Pass	Inf	31.675M	16.642M	32.5M	16.717M	27.525M	16.717M
5240MHz	Pass	Inf	26.475M	16.617M	31.325M	16.592M	27.025M	16.692M
5745MHz	Pass	500k	16.35M	19.29M	16.25M	23.888M	16.325M	19.69M
5785MHz	Pass	500k	16.35M	20.565M	16.3M	38.306M	16.325M	21.164M
5825MHz	Pass	500k	16.35M	19.865M	16.3M	25.162M	16.3M	21.339M
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	29.95M	17.841M	33.05M	17.816M	25.725M	17.816M
5200MHz	Pass	Inf	33.925M	17.916M	34.825M	17.866M	34.625M	17.866M
5240MHz	Pass	Inf	35.05M	17.816M	33.55M	17.816M	32.675M	17.841M
5745MHz	Pass	500k	17.55M	19.715M	17.5M	25.287M	17.525M	20.84M
5785MHz	Pass	500k	17.55M	22.114M	17.575M	39.255M	17.55M	21.914M
5825MHz	Pass	500k	17.575M	20.665M	17.55M	26.912M	17.55M	22.764M
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	47.9M	36.182M	46.7M	36.282M	39.7M	36.232M
5230MHz	Pass	Inf	85.3M	36.882M	86.85M	36.982M	82.7M	36.982M
5755MHz	Pass	500k	36.25M	40.58M	36.35M	49.675M	36.3M	40.78M
5795MHz	Pass	500k	36.3M	41.029M	36.3M	50.525M	36.35M	43.528M
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.5M	75.062M	81.9M	75.262M	81.2M	75.262M
5775MHz	Pass	500k	75.7M	76.262M	75.8M	76.262M	75.8M	76.162M

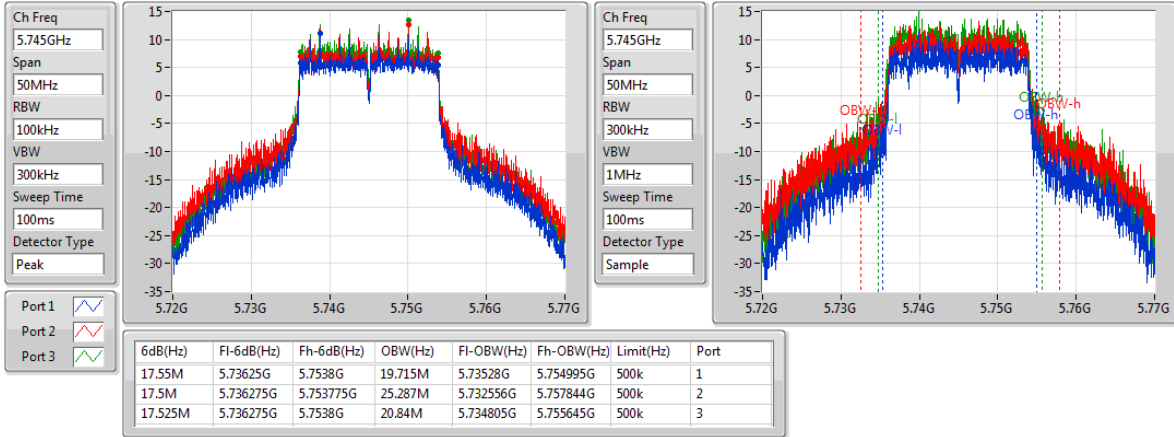
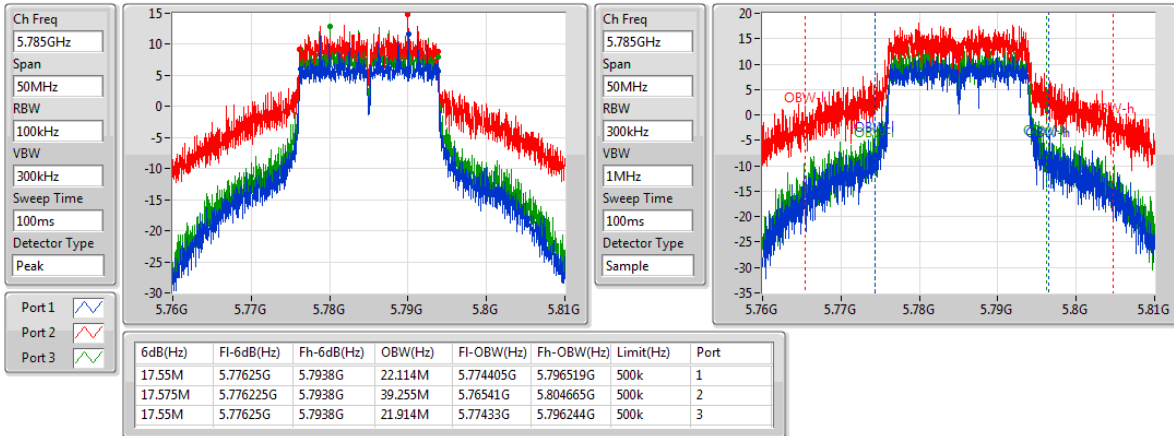
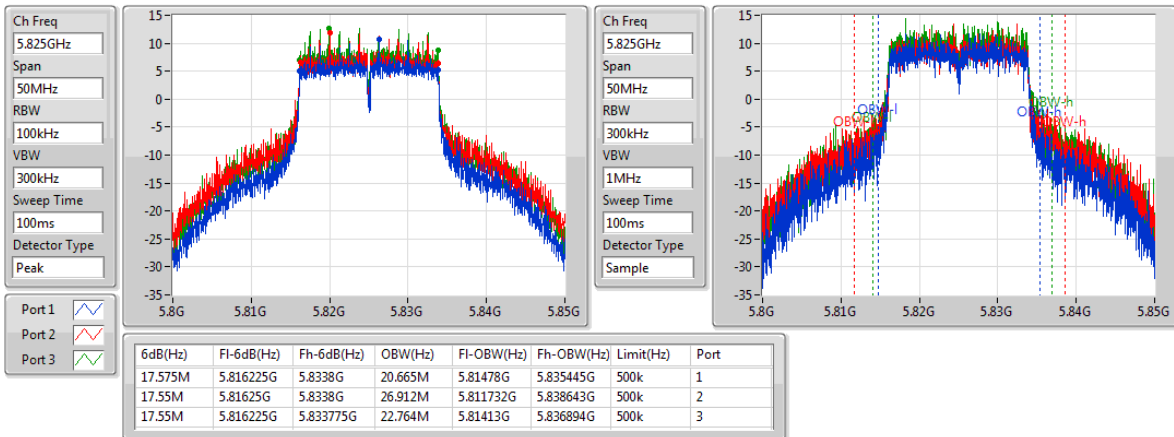
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

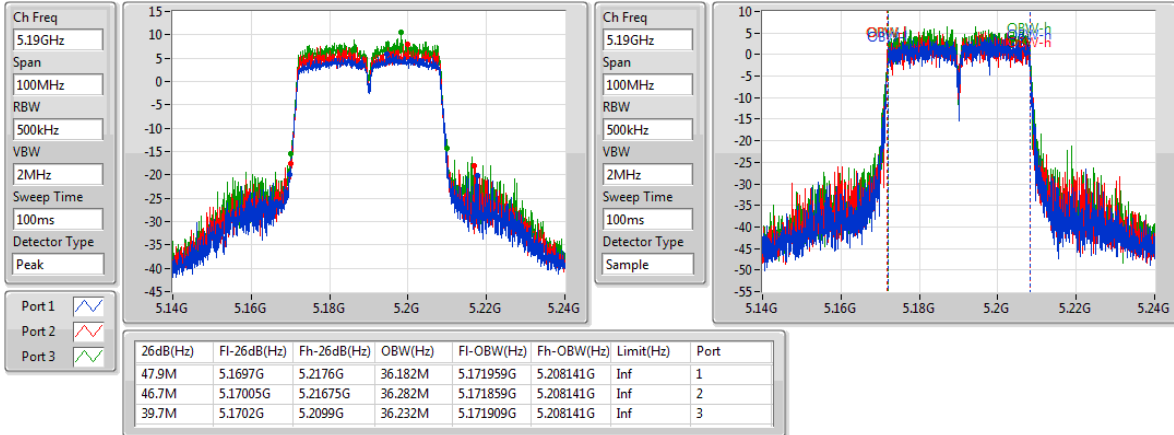
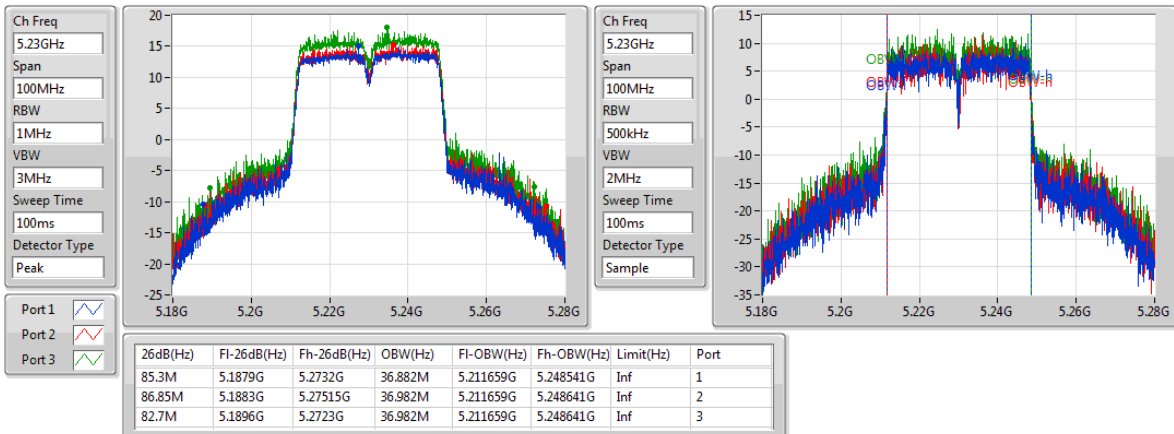
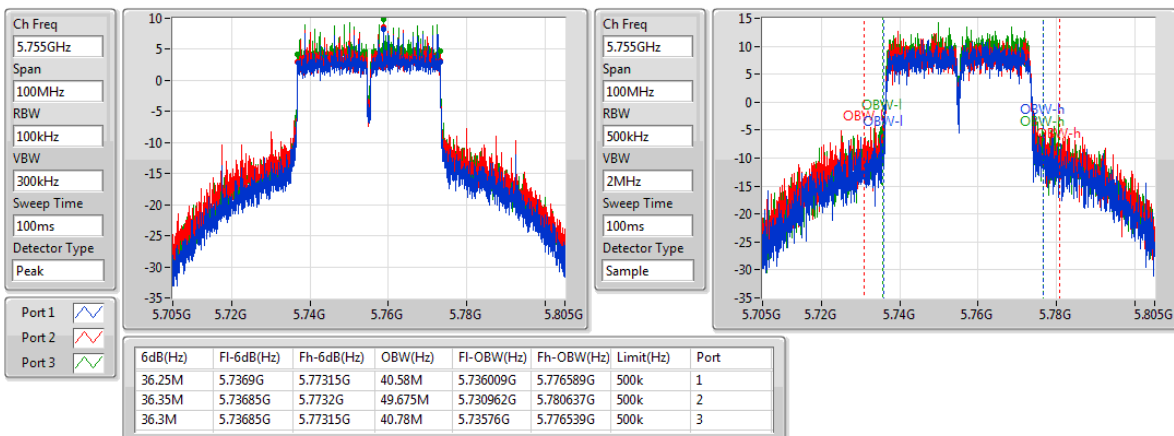
Port X-OBW = Port X 99% occupied bandwidth;

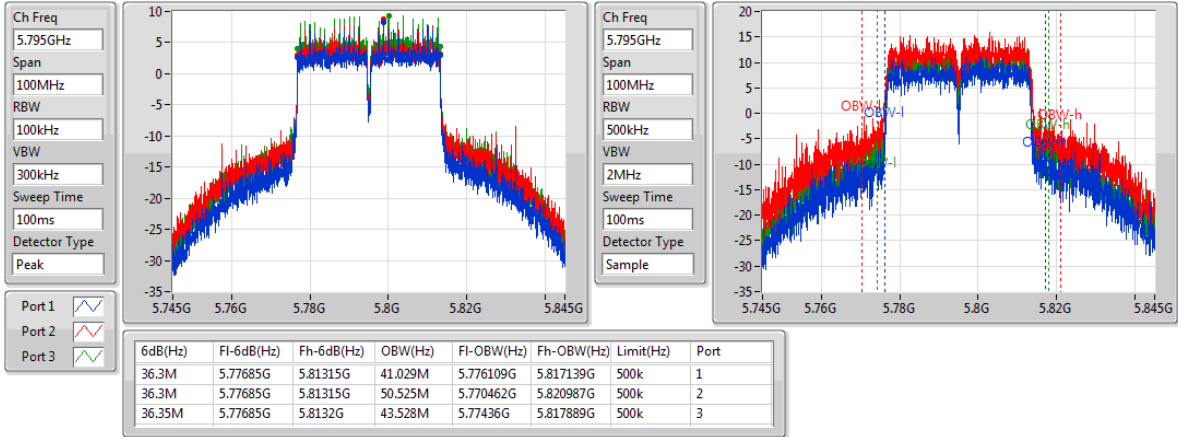
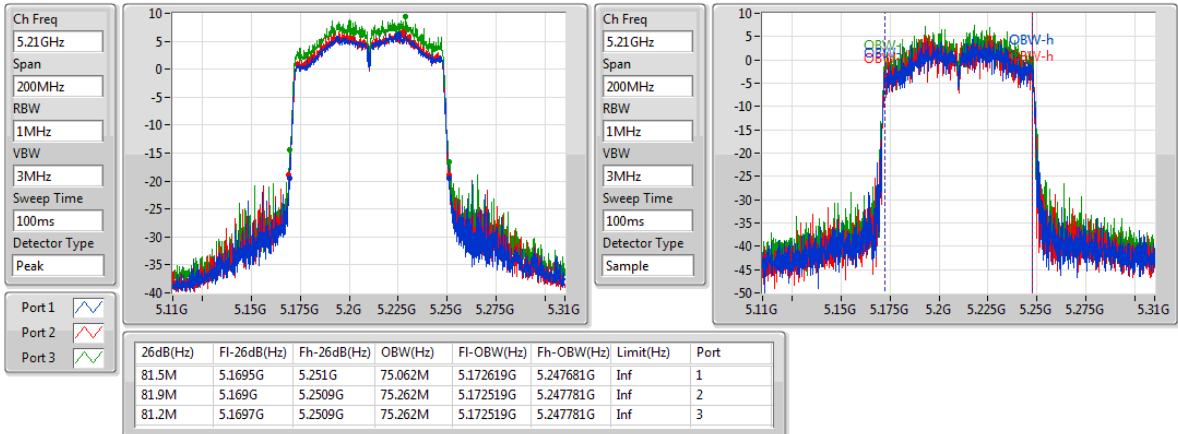
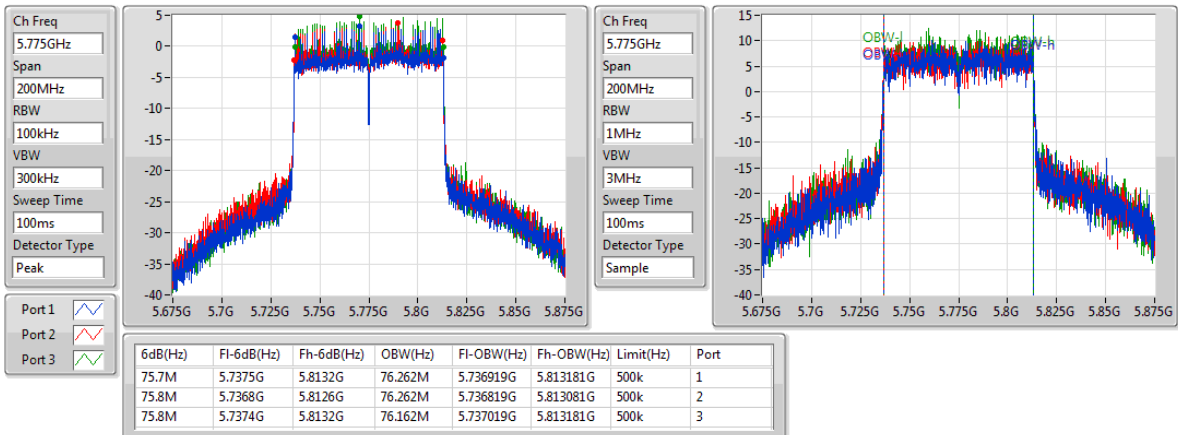
802.11a_(6Mbps)_3TX
EBW
5180MHz

802.11a_(6Mbps)_3TX
EBW
5200MHz

802.11a_(6Mbps)_3TX
EBW
5240MHz


802.11a_(6Mbps)_3TX
EBW
5745MHz

802.11a_(6Mbps)_3TX
EBW
5785MHz

802.11a_(6Mbps)_3TX
EBW
5825MHz


802.11ac VHT20_Nss1,(MCS0)_3TX
EBW
5180MHz

802.11ac VHT20_Nss1,(MCS0)_3TX
EBW
5200MHz

802.11ac VHT20_Nss1,(MCS0)_3TX
EBW
5240MHz


802.11ac VHT20_Nss1,(MCS0)_3TX
EBW
5745MHz

802.11ac VHT20_Nss1,(MCS0)_3TX
EBW
5785MHz

802.11ac VHT20_Nss1,(MCS0)_3TX
EBW
5825MHz


802.11ac VHT40_Nss1,(MCS0)_3TX
EBW
5190MHz

802.11ac VHT40_Nss1,(MCS0)_3TX
EBW
5230MHz

802.11ac VHT40_Nss1,(MCS0)_3TX
EBW
5755MHz


802.11ac VHT40_Nss1,(MCS0)_3TX
EBW
5795MHz

802.11ac VHT80_Nss1,(MCS0)_3TX
EBW
5210MHz

802.11ac VHT80_Nss1,(MCS0)_3TX
EBW
5775MHz


Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_3TX	-	-	-	-
5.15-5.25GHz	23.81	0.24044	31.11	1.29122
5.725-5.85GHz	28.64	0.73114	35.94	3.92645
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-
5.15-5.25GHz	23.37	0.21727	30.67	1.16681
5.725-5.85GHz	28.64	0.73114	35.94	3.92645
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-
5.15-5.25GHz	25.79	0.37931	33.09	2.03704
5.725-5.85GHz	27.61	0.57677	34.91	3.09742
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-
5.15-5.25GHz	18.89	0.07745	26.19	0.41591
5.725-5.85GHz	25.42	0.34834	32.72	1.87068

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_(6Mbps)_3TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.30	18.35	18.40	20.11	23.81	28.70	31.11	36.00
5200MHz	Pass	7.30	18.22	18.41	20.18	23.80	28.70	31.10	36.00
5240MHz	Pass	7.30	18.03	18.22	19.87	23.56	28.70	30.86	36.00
5745MHz	Pass	7.30	21.83	22.51	23.87	27.59	28.70	34.89	36.00
5785MHz	Pass	7.30	22.12	25.05	23.96	28.64	28.70	35.94	36.00
5825MHz	Pass	7.30	21.48	22.34	23.48	27.28	28.70	34.58	36.00
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.30	17.21	17.58	19.19	22.85	28.70	30.15	36.00
5200MHz	Pass	7.30	17.89	18.01	19.66	23.37	28.70	30.67	36.00
5240MHz	Pass	7.30	17.77	17.94	19.76	23.36	28.70	30.66	36.00
5745MHz	Pass	7.30	21.82	22.71	23.78	27.61	28.70	34.91	36.00
5785MHz	Pass	7.30	22.17	25.03	23.95	28.64	28.70	35.94	36.00
5825MHz	Pass	7.30	21.60	22.40	23.66	27.41	28.70	34.71	36.00
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	7.30	14.50	14.77	16.45	20.10	28.70	27.40	36.00
5230MHz	Pass	7.30	20.15	20.34	22.23	25.79	28.70	33.09	36.00
5755MHz	Pass	7.30	21.92	22.59	23.80	27.61	28.70	34.91	36.00
5795MHz	Pass	7.30	21.97	22.52	23.68	27.55	28.70	34.85	36.00
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	7.30	13.40	13.42	15.25	18.89	28.70	26.19	36.00
5775MHz	Pass	7.30	20.13	20.25	21.46	25.42	28.70	32.72	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_3TX	-	-
5.15-5.25GHz	10.90	22.97
5.725-5.85GHz	13.90	25.97
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-
5.15-5.25GHz	10.89	22.96
5.725-5.85GHz	14.23	26.30
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-
5.15-5.25GHz	10.04	22.11
5.725-5.85GHz	10.15	22.22
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-
5.15-5.25GHz	1.67	13.74
5.725-5.85GHz	5.15	17.22

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_(6Mbps)_3TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	12.07	5.64	5.44	7.28	10.90	10.93	22.97	Inf
5200MHz	Pass	12.07	5.46	5.58	7.27	10.90	10.93	22.97	Inf
5240MHz	Pass	12.07	5.40	5.35	7.17	10.80	10.93	22.87	Inf
5745MHz	Pass	12.07	7.21	7.93	9.21	12.90	23.93	24.97	Inf
5785MHz	Pass	12.07	7.69	10.20	9.35	13.90	23.93	25.97	Inf
5825MHz	Pass	12.07	7.26	7.79	8.90	12.78	23.93	24.85	Inf
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	12.07	4.94	5.22	6.88	10.08	10.93	22.15	Inf
5200MHz	Pass	12.07	5.55	5.66	7.42	10.89	10.93	22.96	Inf
5240MHz	Pass	12.07	5.74	5.79	7.33	10.83	10.93	22.90	Inf
5745MHz	Pass	12.07	7.58	8.70	9.79	13.22	23.93	25.29	Inf
5785MHz	Pass	12.07	8.15	10.57	9.98	14.23	23.93	26.30	Inf
5825MHz	Pass	12.07	7.71	8.35	9.69	12.99	23.93	25.07	Inf
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	12.07	-0.56	-0.30	1.50	4.79	10.93	16.86	Inf
5230MHz	Pass	12.07	4.73	4.68	6.80	10.04	10.93	22.11	Inf
5755MHz	Pass	12.07	5.15	5.21	6.65	10.15	23.93	22.22	Inf
5795MHz	Pass	12.07	5.08	5.44	6.77	10.12	23.93	22.19	Inf
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	12.07	-3.79	-3.79	-1.91	1.67	10.93	13.74	Inf
5775MHz	Pass	12.07	-0.17	-0.07	1.32	5.15	23.93	17.22	Inf

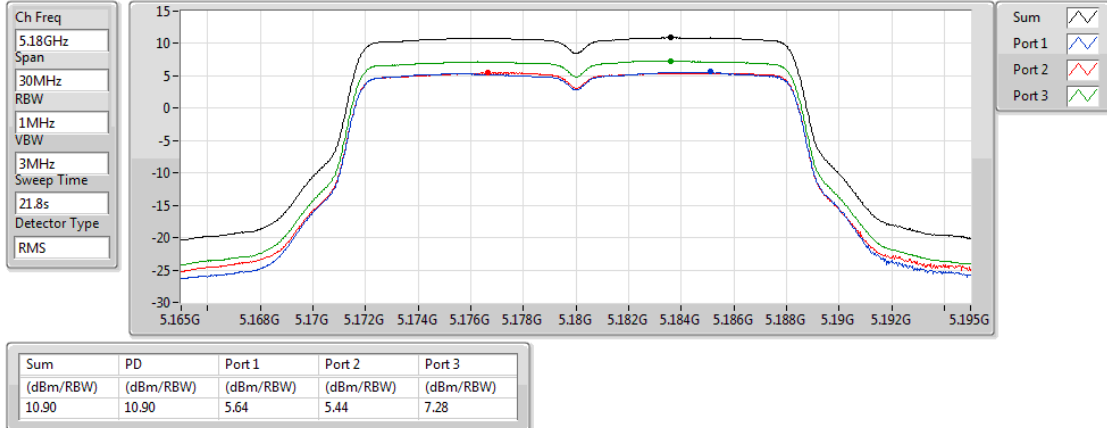
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_(6Mbps)_3TX

PSD

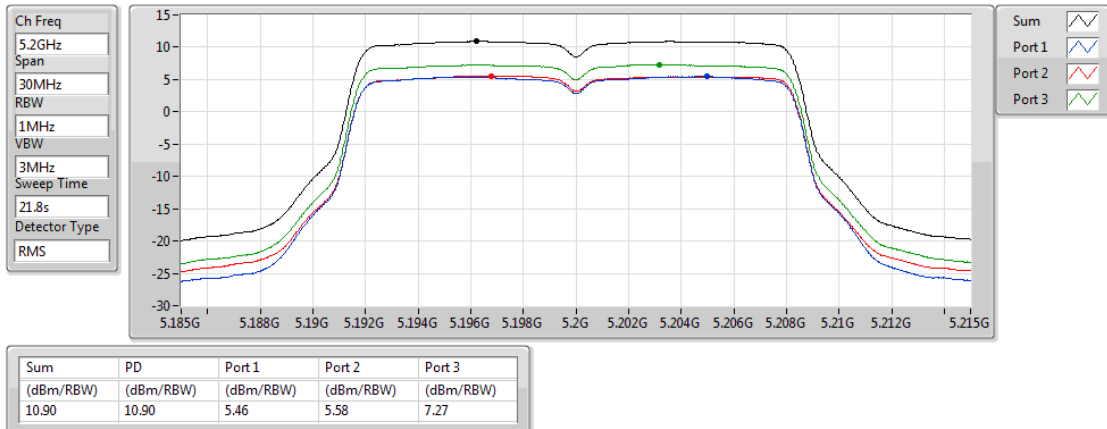
5180MHz



802.11a_(6Mbps)_3TX

PSD

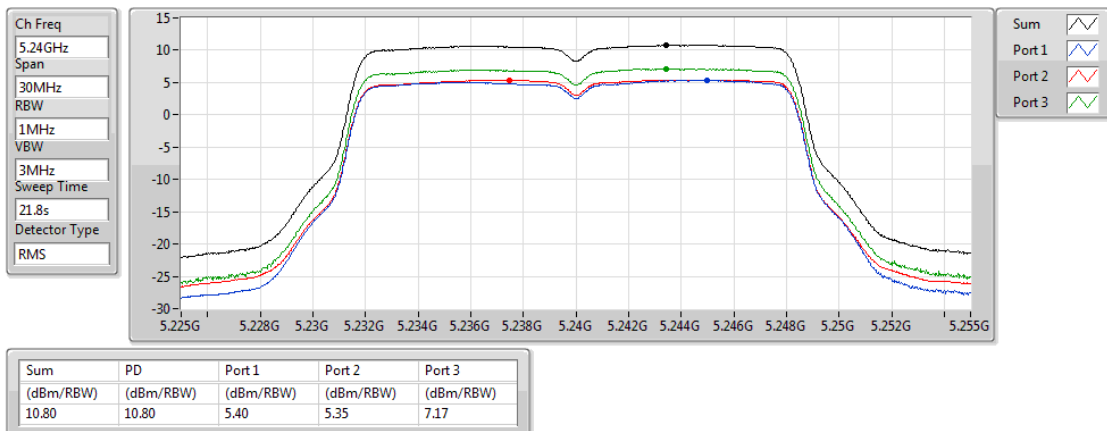
5200MHz



802.11a_(6Mbps)_3TX

PSD

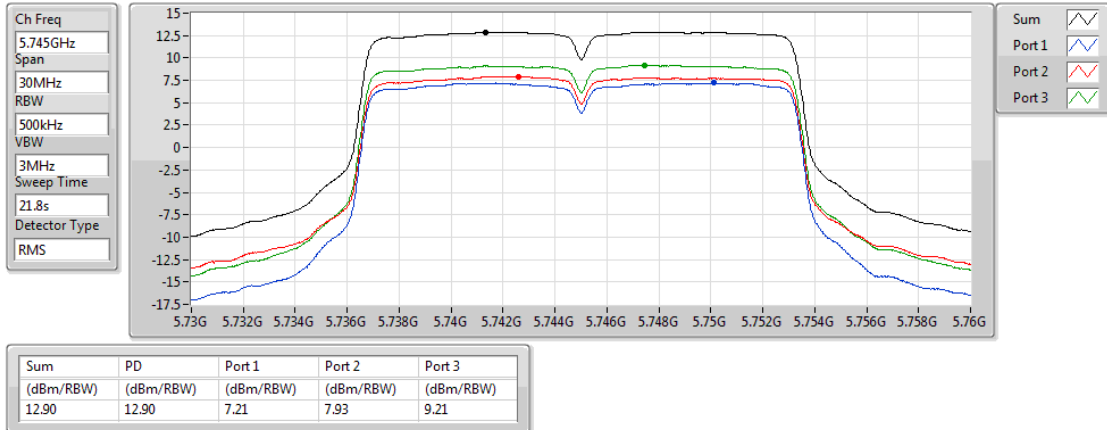
5240MHz



802.11a_(6Mbps)_3TX

PSD

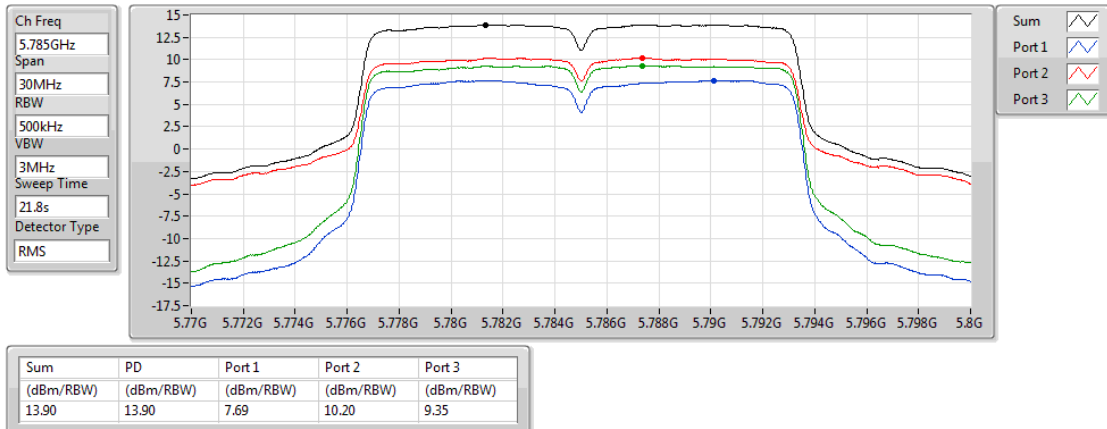
5745MHz



802.11a_(6Mbps)_3TX

PSD

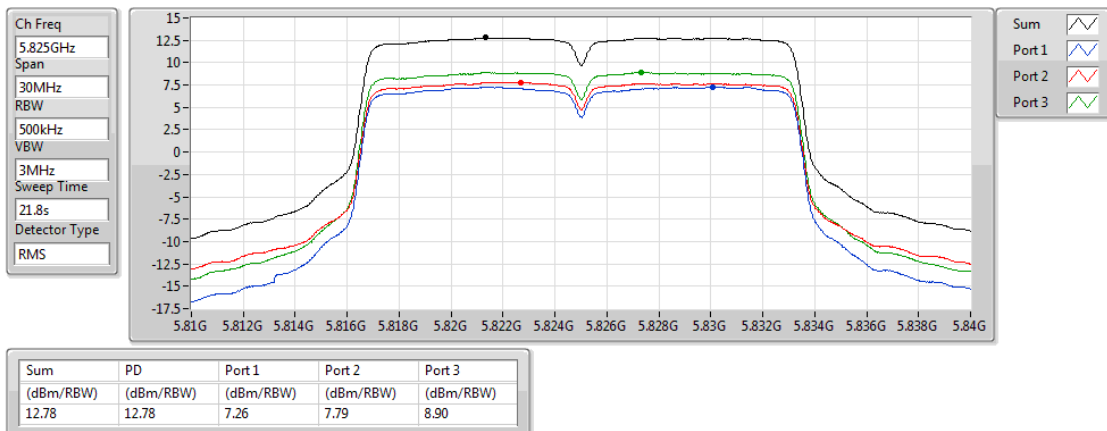
5785MHz



802.11a_(6Mbps)_3TX

PSD

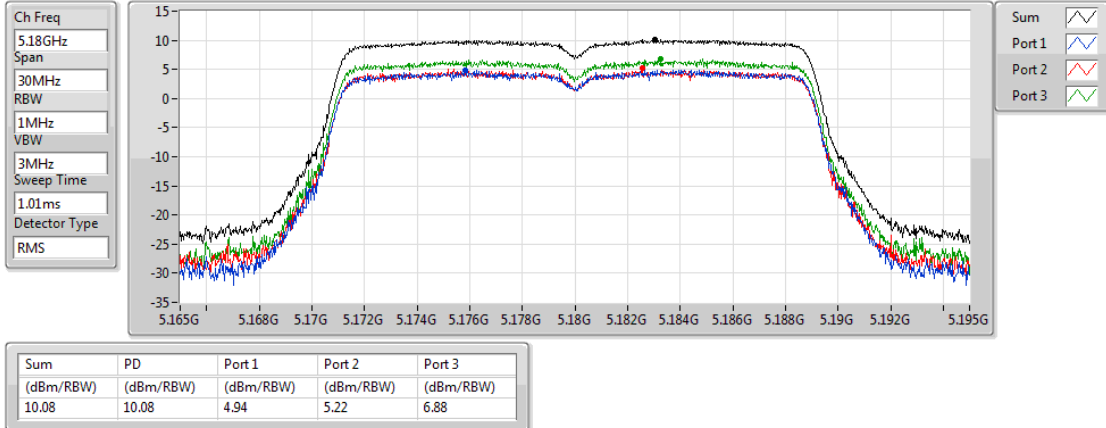
5825MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

PSD

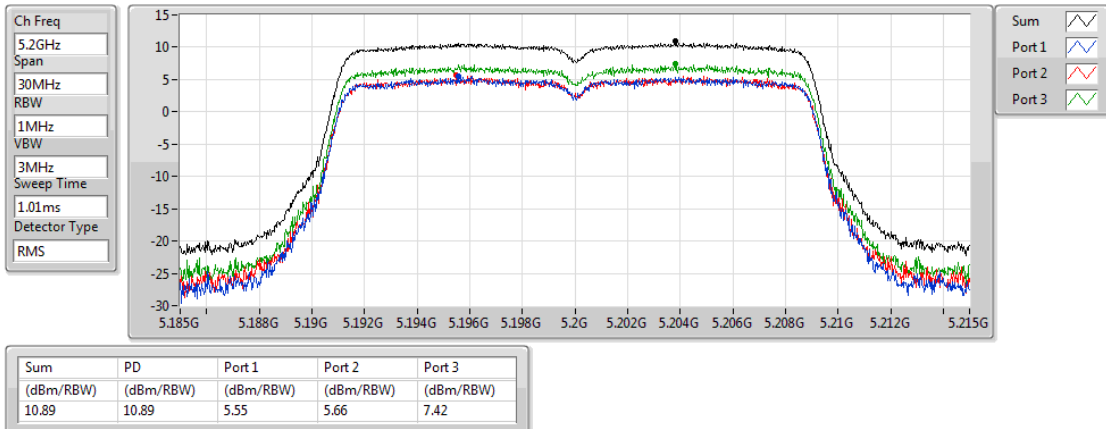
5180MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

PSD

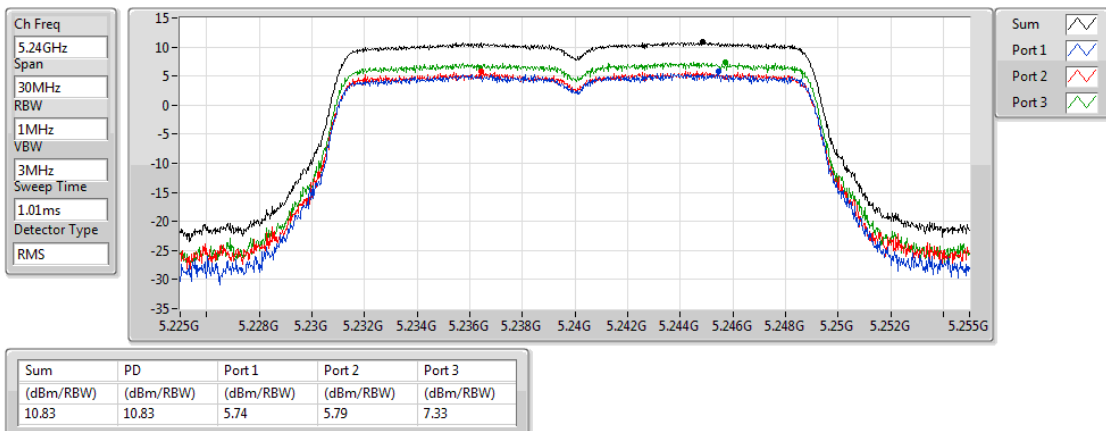
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802.11ac VHT20_Nss1,(MCS0)_3TX

PSD

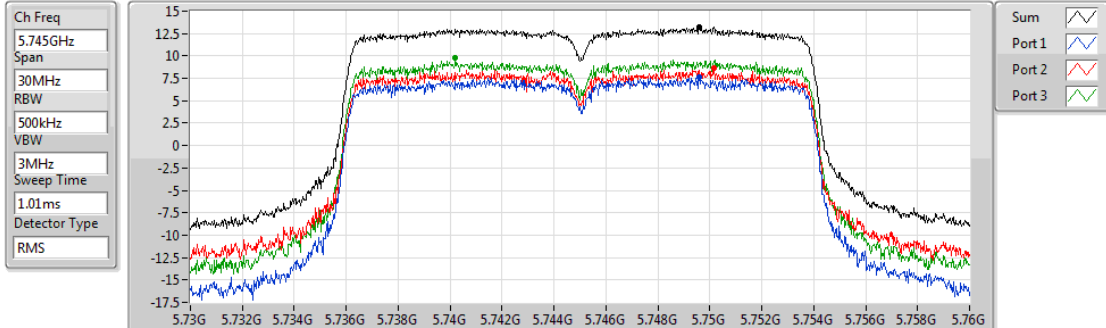
5240MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

PSD

5745MHz

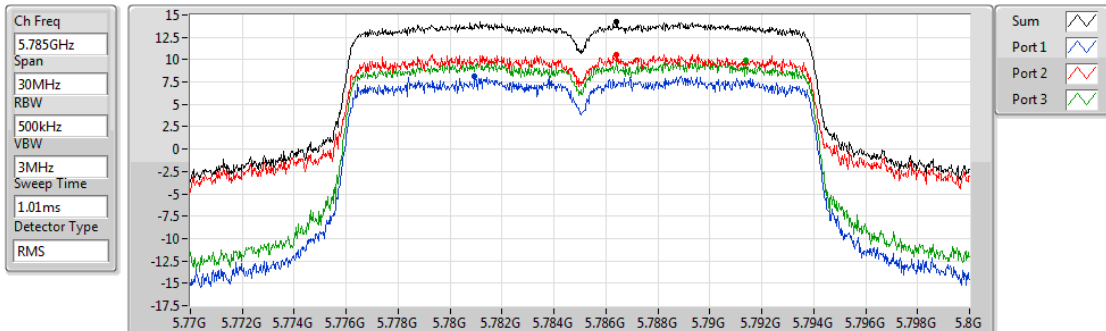


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
13.22	13.22	7.58	8.70	9.79

802.11ac VHT20_Nss1,(MCS0)_3TX

PSD

5785MHz

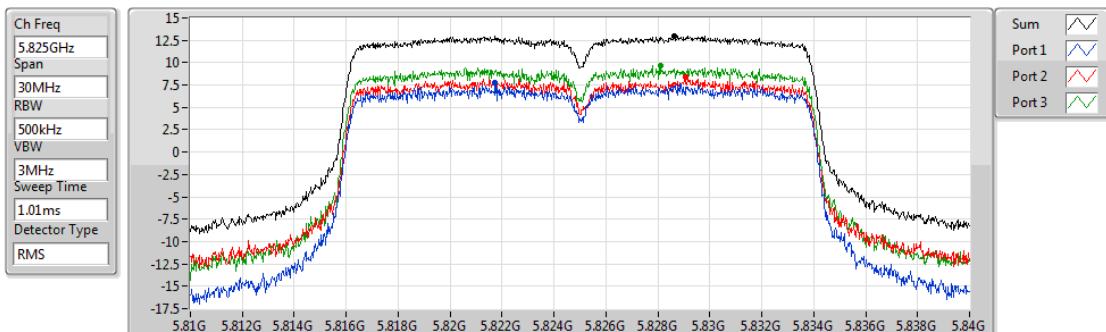


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
14.23	14.23	8.15	10.57	9.98

802.11ac VHT20_Nss1,(MCS0)_3TX

PSD

5825MHz

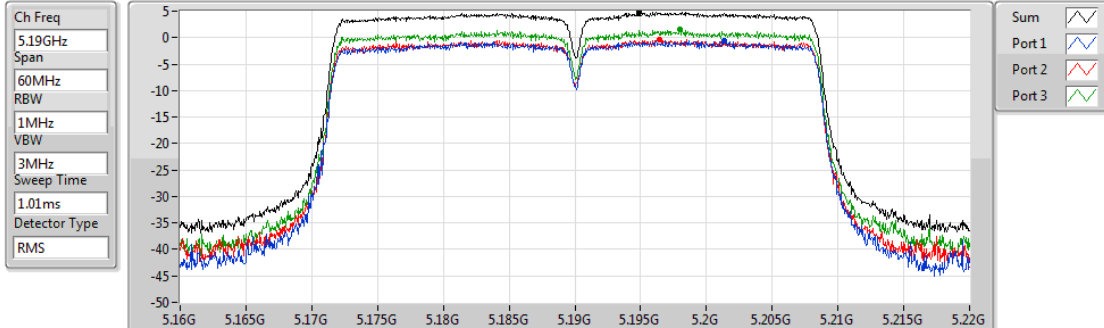


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.99	12.99	7.71	8.35	9.69

802.11ac VHT40_Nss1,(MCS0)_3TX

PSD

5190MHz

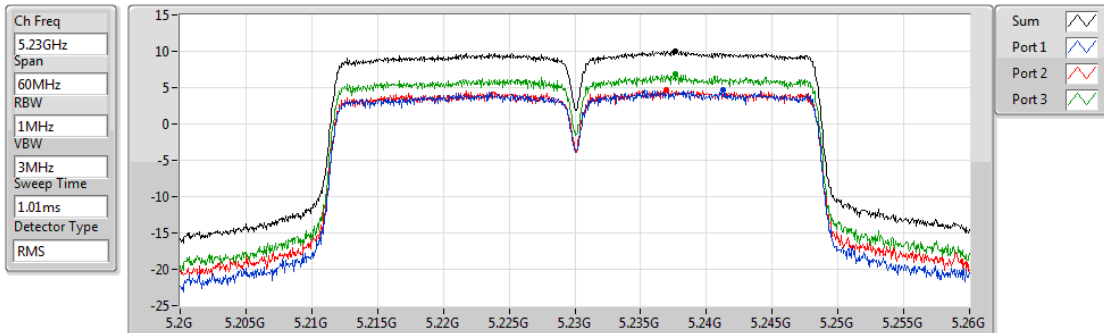


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.79	4.79	-0.56	-0.30	1.50

802.11ac VHT40_Nss1,(MCS0)_3TX

PSD

5230MHz

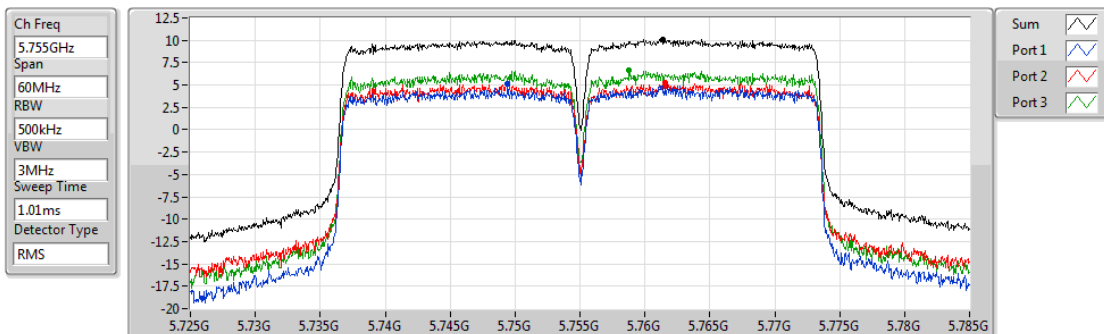


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.04	10.04	4.73	4.68	6.80

802.11ac VHT40_Nss1,(MCS0)_3TX

PSD

5755MHz

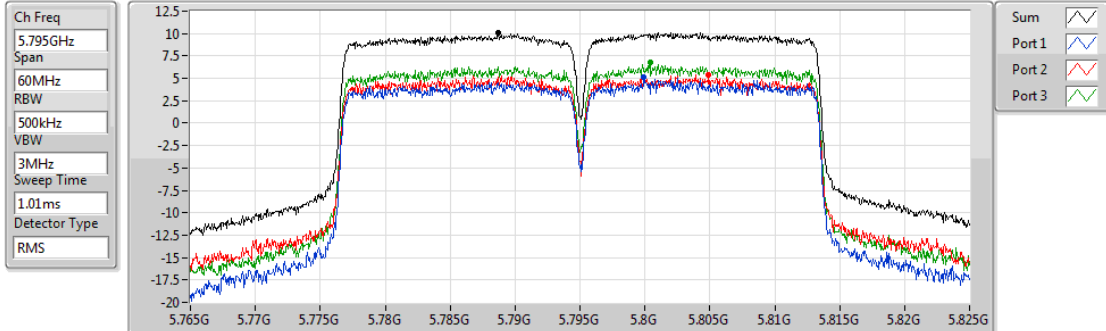


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.15	10.15	5.15	5.21	6.65

802.11ac VHT40_Nss1,(MCS0)_3TX

PSD

5795MHz

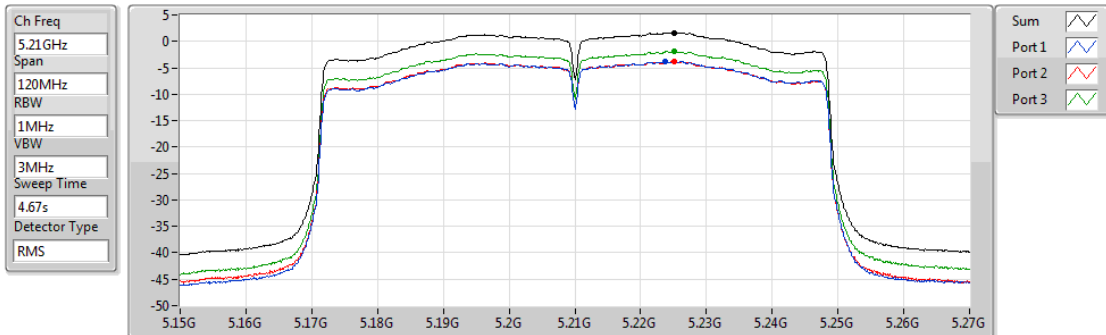


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.12	10.12	5.08	5.44	6.77

802.11ac VHT80_Nss1,(MCS0)_3TX

PSD

5210MHz

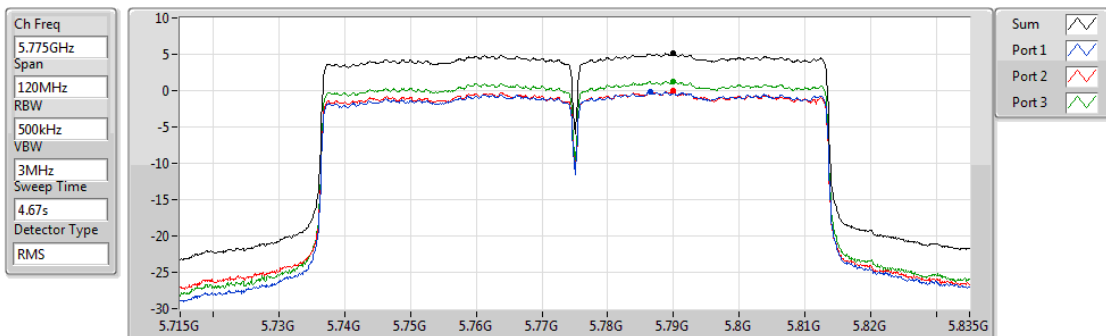


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.67	1.67	-3.79	-3.79	-1.91

802.11ac VHT80_Nss1,(MCS0)_3TX

PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.15	5.15	-0.17	-0.07	1.32

**Summary**

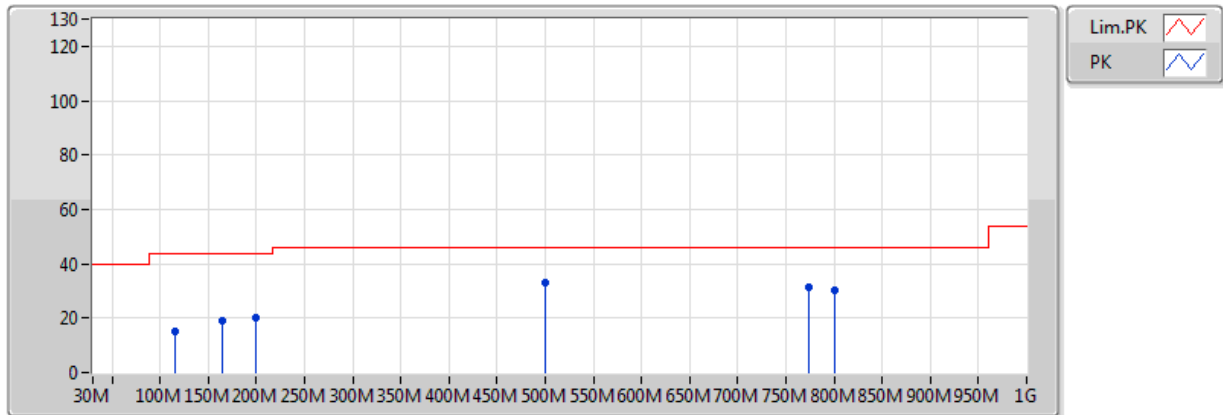
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_3TX	Pass	PK	951.5M	34.60	46.00	-11.40	-2.41	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	107.6M	13.23	43.50	-30.27	-19.40	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	107.6M	13.67	43.50	-29.83	-19.40	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	163.86M	17.33	43.50	-26.17	-19.25	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	165.8M	17.18	43.50	-26.32	-19.41	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	208.48M	22.49	43.50	-21.01	-19.99	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	210.42M	22.00	43.50	-21.50	-19.96	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	499.48M	25.65	46.00	-20.35	-10.16	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	499.48M	25.08	46.00	-20.92	-10.16	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	771.08M	30.89	46.00	-15.11	-5.88	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	774.96M	31.68	46.00	-14.32	-5.82	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	800.18M	30.70	46.00	-15.30	-5.64	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	800.18M	31.64	46.00	-14.36	-5.64	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	115.36M	14.86	43.50	-28.64	-18.74	3	Vertical	360	1.00	-
5775MHz	Pass	PK	115.36M	16.03	43.50	-27.47	-18.74	3	Vertical	0	1.00	-
5775MHz	Pass	PK	163.86M	18.79	43.50	-24.71	-19.25	3	Vertical	360	1.00	-
5775MHz	Pass	PK	198.78M	20.40	43.50	-23.10	-20.16	3	Vertical	360	1.00	-
5775MHz	Pass	PK	208.48M	20.68	43.50	-22.82	-19.99	3	Vertical	0	1.00	-
5775MHz	Pass	PK	282.2M	21.84	46.00	-24.16	-15.91	3	Vertical	0	1.00	-
5775MHz	Pass	PK	499.48M	33.12	46.00	-12.88	-10.16	3	Vertical	360	1.00	-
5775MHz	Pass	PK	499.48M	33.07	46.00	-12.93	-10.16	3	Vertical	0	1.00	-
5775MHz	Pass	PK	773.02M	31.24	46.00	-14.76	-5.85	3	Vertical	360	1.00	-
5775MHz	Pass	PK	774.96M	33.02	46.00	-12.98	-5.82	3	Vertical	0	1.00	-
5775MHz	Pass	PK	800.18M	30.03	46.00	-15.97	-5.64	3	Vertical	360	1.00	-
5775MHz	Pass	PK	951.5M	34.60	46.00	-11.40	-2.41	3	Vertical	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_Adapter

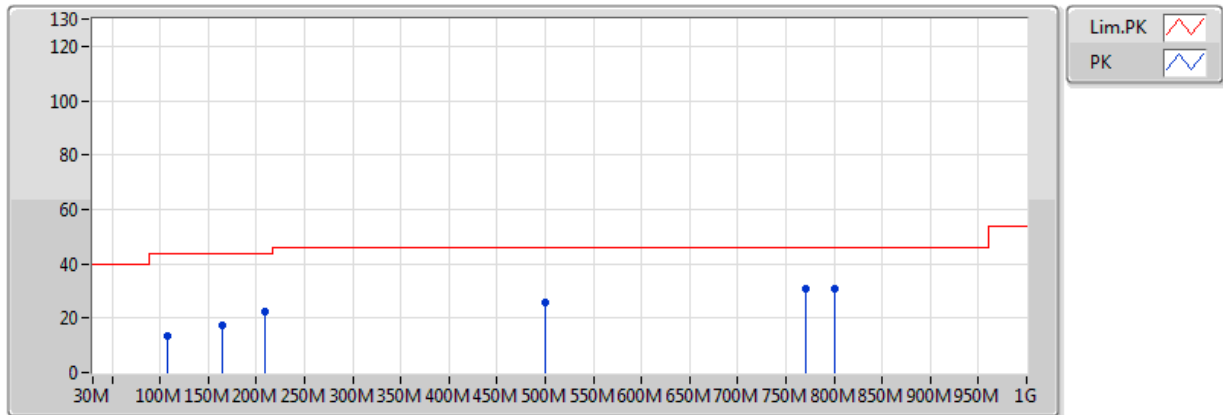


EUT = Y
eth2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	115.36M	14.86	43.50	-28.64	-18.74	3	Vertical	360	1.00	-	33.60	16.25	1.74	36.74
PK	163.86M	18.79	43.50	-24.71	-19.25	3	Vertical	360	1.00	-	38.04	15.17	2.11	36.53
PK	198.78M	20.40	43.50	-23.10	-20.16	3	Vertical	360	1.00	-	40.56	13.93	2.29	36.38
PK	499.48M	33.12	46.00	-12.88	-10.16	3	Vertical	360	1.00	-	43.28	22.82	3.94	36.92
PK	773.02M	31.24	46.00	-14.76	-5.85	3	Vertical	360	1.00	-	37.09	26.88	4.71	37.44
PK	800.18M	30.03	46.00	-15.97	-5.64	3	Vertical	360	1.00	-	35.67	26.84	5.00	37.48

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_Adapter

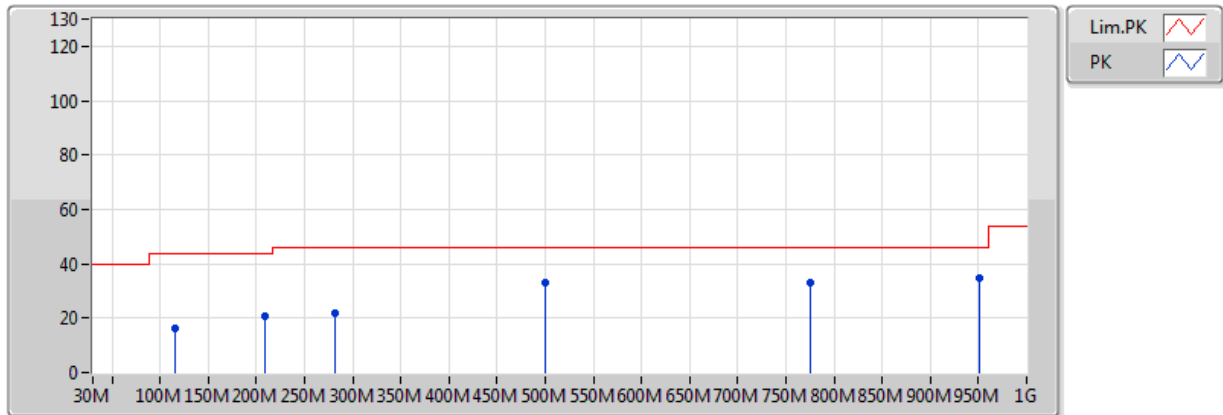


EUT = Y
eth2

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	107.6M	13.23	43.50	-30.27	-19.40	3	Horizontal	0	1.00	-	32.63	15.69	1.68	36.77
PK	163.86M	17.33	43.50	-26.17	-19.25	3	Horizontal	0	1.00	-	36.58	15.17	2.11	36.53
PK	208.48M	22.49	43.50	-21.01	-19.99	3	Horizontal	0	1.00	-	42.48	14.05	2.34	36.39
PK	499.48M	25.65	46.00	-20.35	-10.16	3	Horizontal	0	1.00	-	35.81	22.82	3.94	36.92
PK	771.08M	30.89	46.00	-15.11	-5.88	3	Horizontal	0	1.00	-	36.77	26.87	4.69	37.44
PK	800.18M	30.70	46.00	-15.30	-5.64	3	Horizontal	0	1.00	-	36.34	26.84	5.00	37.48

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_Adapter

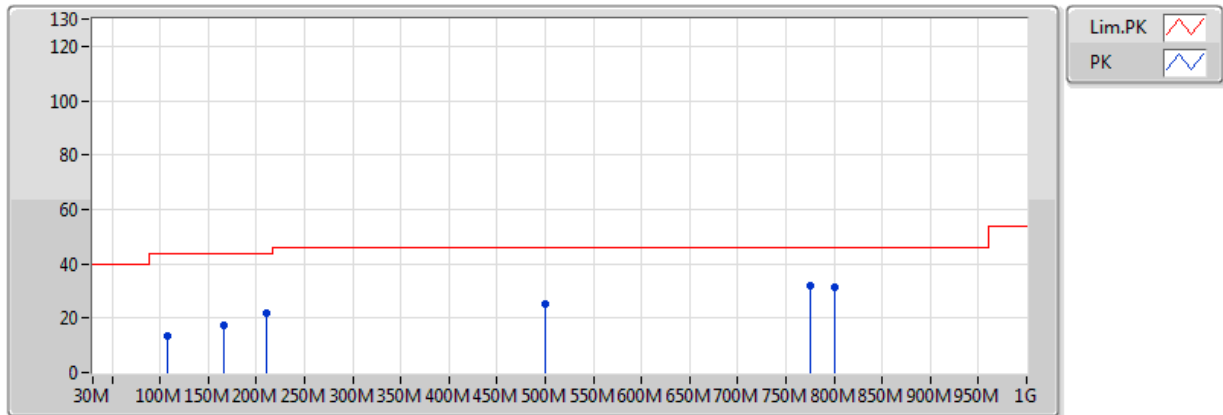


EUT = Y
eth1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	499.48M	33.07	46.00	-12.93	-10.16	3	Vertical	0	1.00	-	43.23	22.82	3.94	36.92
PK	774.96M	33.02	46.00	-12.98	-5.82	3	Vertical	0	1.00	-	38.84	26.89	4.73	37.44
PK	282.2M	21.84	46.00	-24.16	-15.91	3	Vertical	0	1.00	-	37.75	17.69	2.83	36.43
PK	115.36M	16.03	43.50	-27.47	-18.74	3	Vertical	0	1.00	-	34.77	16.25	1.74	36.74
PK	208.48M	20.68	43.50	-22.82	-19.99	3	Vertical	0	1.00	-	40.67	14.05	2.34	36.39
PK	951.5M	34.60	46.00	-11.40	-2.41	3	Vertical	0	1.00	-	37.01	29.49	5.43	37.33

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_Adapter



EUT = Y
eth1

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	107.6M	13.67	43.50	-29.83	-19.40	3	Horizontal	360	1.00	-	33.07	15.69	1.68	36.77
PK	165.8M	17.18	43.50	-26.32	-19.41	3	Horizontal	360	1.00	-	36.59	15.00	2.12	36.53
PK	210.42M	22.00	43.50	-21.50	-19.96	3	Horizontal	360	1.00	-	41.96	14.07	2.35	36.39
PK	499.48M	25.08	46.00	-20.92	-10.16	3	Horizontal	360	1.00	-	35.24	22.82	3.94	36.92
PK	774.96M	31.68	46.00	-14.32	-5.82	3	Horizontal	360	1.00	-	37.50	26.89	4.73	37.44
PK	800.18M	31.64	46.00	-14.36	-5.64	3	Horizontal	360	1.00	-	37.28	26.84	5.00	37.48

**Summary**

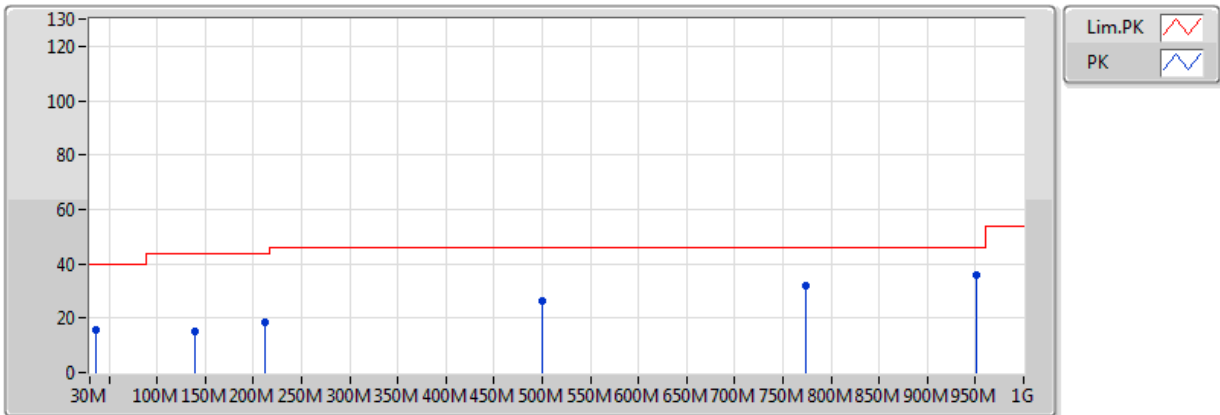
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_3TX	Pass	PK	951.5M	35.92	46.00	-10.08	-2.41	3	Vertical	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	30M	11.39	40.00	-28.61	-14.06	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	30M	11.39	40.00	-28.61	-14.06	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	138.64M	12.17	43.50	-31.33	-18.32	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	138.64M	12.17	43.50	-31.33	-18.32	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	231.76M	21.68	46.00	-24.32	-18.62	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	231.76M	21.68	46.00	-24.32	-18.62	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	658.56M	25.03	46.00	-20.97	-7.69	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	759.44M	28.17	46.00	-17.83	-6.08	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	776.9M	31.97	46.00	-14.03	-5.78	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	800.18M	34.15	46.00	-11.85	-5.64	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	800.18M	34.15	46.00	-11.85	-5.64	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	951.5M	35.02	46.00	-10.98	-2.41	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	35.82M	15.52	40.00	-24.48	-16.13	3	Vertical	360	1.00	-
5775MHz	Pass	PK	138.64M	14.87	43.50	-28.63	-18.32	3	Vertical	360	1.00	-
5775MHz	Pass	PK	138.64M	14.87	43.50	-28.63	-18.32	3	Vertical	360	1.00	-
5775MHz	Pass	PK	161.92M	15.13	43.50	-28.37	-19.10	3	Vertical	360	1.00	-
5775MHz	Pass	PK	212.36M	18.43	43.50	-25.07	-19.93	3	Vertical	360	1.00	-
5775MHz	Pass	PK	212.36M	18.43	43.50	-25.07	-19.93	3	Vertical	360	1.00	-
5775MHz	Pass	PK	313.24M	19.12	46.00	-26.88	-15.14	3	Vertical	360	1.00	-
5775MHz	Pass	PK	499.48M	26.11	46.00	-19.89	-10.16	3	Vertical	360	1.00	-
5775MHz	Pass	PK	499.48M	26.11	46.00	-19.89	-10.16	3	Vertical	360	1.00	-
5775MHz	Pass	PK	773.02M	32.21	46.00	-13.79	-5.85	3	Vertical	360	1.00	-
5775MHz	Pass	PK	800.18M	34.26	46.00	-11.74	-5.64	3	Vertical	360	1.00	-
5775MHz	Pass	PK	951.5M	35.92	46.00	-10.08	-2.41	3	Vertical	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_Adapter

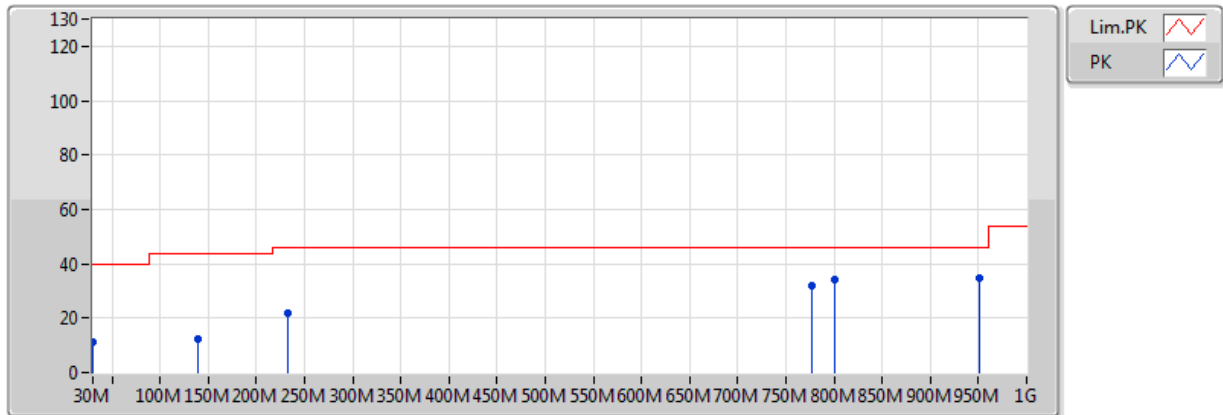


EUT = Z ANT = Y
eth1

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	35.82M	15.52	40.00	-24.48	-16.13	3	Vertical	0	1.00	-	31.65	20.15	1.01	37.28
PK	138.64M	14.87	43.50	-28.63	-18.32	3	Vertical	0	1.00	-	33.19	16.37	1.94	36.64
PK	212.36M	18.43	43.50	-25.07	-19.93	3	Vertical	0	1.00	-	38.36	14.09	2.36	36.39
PK	499.48M	26.11	46.00	-19.89	-10.16	3	Vertical	0	1.00	-	36.27	22.82	3.94	36.92
PK	773.02M	32.21	46.00	-13.79	-5.85	3	Vertical	0	1.00	-	38.06	26.88	4.71	37.44
PK	951.5M	35.92	46.00	-10.08	-2.41	3	Vertical	0	1.00	-	38.33	29.49	5.43	37.33

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_Adapter

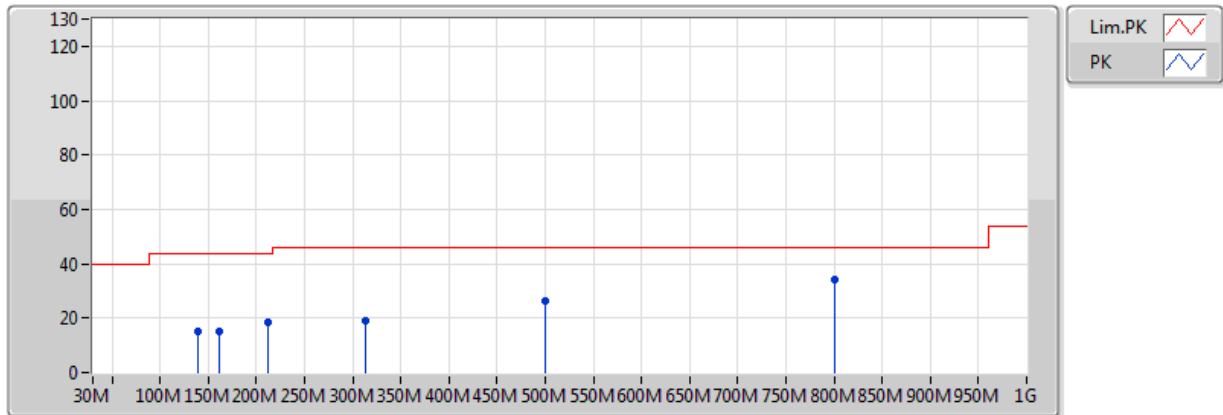


EUT = Z ANT = Y
eth1

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	11.39	40.00	-28.61	-14.06	3	Horizontal	360	1.00	-	25.45	22.34	0.94	37.34
PK	138.64M	12.17	43.50	-31.33	-18.32	3	Horizontal	360	1.00	-	30.49	16.37	1.94	36.64
PK	231.76M	21.68	46.00	-24.32	-18.62	3	Horizontal	360	1.00	-	40.30	15.31	2.47	36.40
PK	776.9M	31.97	46.00	-14.03	-5.78	3	Horizontal	360	1.00	-	37.75	26.91	4.76	37.45
PK	800.18M	34.15	46.00	-11.85	-5.64	3	Horizontal	360	1.00	-	39.79	26.84	5.00	37.48
PK	951.5M	35.02	46.00	-10.98	-2.41	3	Horizontal	360	1.00	-	37.43	29.49	5.43	37.33

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_Adapter

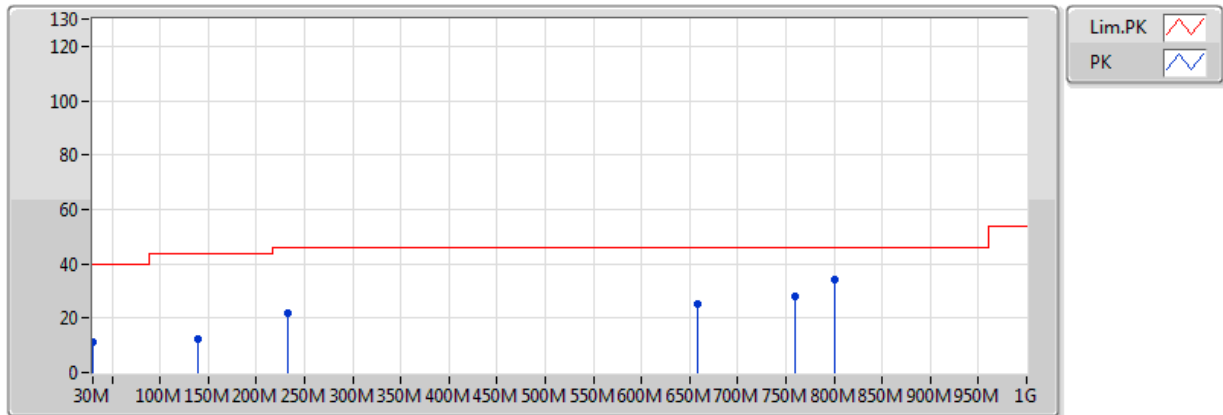


EUT = Z ANT = Y
eth2

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	138.64M	14.87	43.50	-28.63	-18.32	3	Vertical	0	1.00	-	33.19	16.37	1.94	36.64
PK	161.92M	15.13	43.50	-28.37	-19.10	3	Vertical	0	1.00	-	34.23	15.34	2.10	36.54
PK	212.36M	18.43	43.50	-25.07	-19.93	3	Vertical	0	1.00	-	38.36	14.09	2.36	36.39
PK	313.24M	19.12	46.00	-26.88	-15.14	3	Vertical	0	1.00	-	34.26	18.31	3.02	36.46
PK	499.48M	26.11	46.00	-19.89	-10.16	3	Vertical	0	1.00	-	36.27	22.82	3.94	36.92
PK	800.18M	34.26	46.00	-11.74	-5.64	3	Vertical	0	1.00	-	39.90	26.84	5.00	37.48

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_Adapter



EUT = Z ANT = Y
eth2

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	11.39	40.00	-28.61	-14.06	3	Horizontal	360	1.00	-	25.45	22.34	0.94	37.34
PK	138.64M	12.17	43.50	-31.33	-18.32	3	Horizontal	360	1.00	-	30.49	16.37	1.94	36.64
PK	231.76M	21.68	46.00	-24.32	-18.62	3	Horizontal	360	1.00	-	40.30	15.31	2.47	36.40
PK	658.56M	25.03	46.00	-20.97	-7.69	3	Horizontal	360	1.00	-	32.72	25.18	4.41	37.29
PK	759.44M	28.17	46.00	-17.83	-6.08	3	Horizontal	360	1.00	-	34.25	26.78	4.57	37.43
PK	800.18M	34.15	46.00	-11.85	-5.64	3	Horizontal	360	1.00	-	39.79	26.84	5.00	37.48

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.1488G	53.64	54.00	-0.36	2.90	3	H	22	1.49	-
5.725-5.85GHz	Pass	AV	17.475G	53.77	54.00	-0.23	19.85	3	H	7	1.50	-
5.15-5.25GHz	Pass	AV	5.1488G	53.64	54.00	-0.36	2.90	3	H	22	1.49	-
5.725-5.85GHz	Pass	AV	17.475G	53.77	54.00	-0.23	19.85	3	H	7	1.50	-
5.15-5.25GHz	Pass	AV	5.1488G	53.64	54.00	-0.36	2.90	3	H	22	1.49	-
5.725-5.85GHz	Pass	AV	17.475G	53.77	54.00	-0.23	19.85	3	H	7	1.50	-
5.15-5.25GHz	Pass	AV	5.1488G	53.64	54.00	-0.36	2.90	3	H	22	1.49	-
5.725-5.85GHz	Pass	AV	17.475G	53.77	54.00	-0.23	19.85	3	H	7	1.50	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11a_(6Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.145G	53.38	54.00	-0.62	2.89	3	H	4	1.50	-
5180MHz	Pass	AV	5.1846G	106.99	Inf	-Inf	2.93	3	H	4	1.50	-
5180MHz	Pass	PK	5.146G	69.81	74.00	-4.19	2.90	3	H	4	1.50	-
5180MHz	Pass	PK	5.1842G	114.64	Inf	-Inf	2.93	3	H	4	1.50	-
5180MHz	Pass	AV	5.1452G	50.58	54.00	-3.42	2.90	3	V	333	1.04	-
5180MHz	Pass	AV	5.1846G	103.41	Inf	-Inf	2.93	3	V	333	1.04	-
5180MHz	Pass	PK	5.1442G	65.53	74.00	-8.47	2.89	3	V	333	1.04	-
5180MHz	Pass	PK	5.1844G	111.73	Inf	-Inf	2.93	3	V	333	1.04	-
5180MHz	Pass	AV	10.36G	45.87	54.00	-8.13	12.78	3	H	303	2.56	-
5180MHz	Pass	AV	15.54G	46.34	54.00	-7.66	14.65	3	H	306	1.96	-
5180MHz	Pass	PK	10.36G	57.42	74.00	-16.58	12.78	3	H	303	2.56	-
5180MHz	Pass	PK	15.54G	57.89	74.00	-16.11	14.65	3	H	306	1.96	-
5180MHz	Pass	AV	10.36G	44.46	54.00	-9.54	12.78	3	V	299	1.30	-
5180MHz	Pass	AV	15.54G	46.12	54.00	-7.88	14.65	3	V	0	2.54	-
5180MHz	Pass	PK	10.36G	56.23	74.00	-17.77	12.78	3	V	299	1.30	-
5180MHz	Pass	PK	15.54G	57.74	74.00	-16.26	14.65	3	V	0	2.54	-
5200MHz	Pass	AV	5.149995G	53.37	54.00	-0.63	2.90	3	H	3	1.50	-
5200MHz	Pass	AV	5.2052G	109.20	Inf	-Inf	2.96	3	H	3	1.50	-
5200MHz	Pass	PK	5.149995G	66.16	74.00	-7.84	2.90	3	H	3	1.50	-
5200MHz	Pass	PK	5.2048G	116.87	Inf	-Inf	2.96	3	H	3	1.50	-
5200MHz	Pass	AV	5.149995G	50.11	54.00	-3.89	2.90	3	V	326	1.60	-
5200MHz	Pass	AV	5.2012G	106.39	Inf	-Inf	2.95	3	V	326	1.60	-
5200MHz	Pass	PK	5.149995G	63.01	74.00	-10.99	2.90	3	V	326	1.60	-
5200MHz	Pass	PK	5.2016G	114.28	Inf	-Inf	2.95	3	V	326	1.60	-
5200MHz	Pass	AV	10.4G	50.81	54.00	-3.19	12.89	3	H	311	1.21	-
5200MHz	Pass	AV	15.6G	48.34	54.00	-5.66	14.43	3	H	334	1.04	-
5200MHz	Pass	PK	10.4G	61.80	74.00	-12.20	12.89	3	H	311	1.21	-
5200MHz	Pass	PK	15.6G	59.53	74.00	-14.47	14.43	3	H	334	1.04	-
5200MHz	Pass	AV	10.4G	49.58	54.00	-4.42	12.89	3	V	297	1.01	-
5200MHz	Pass	AV	15.6G	48.18	54.00	-5.82	14.43	3	V	324	1.01	-
5200MHz	Pass	PK	10.4G	61.01	74.00	-12.99	12.89	3	V	297	1.01	-
5200MHz	Pass	PK	15.6G	60.90	74.00	-13.10	14.43	3	V	324	1.01	-
5240MHz	Pass	AV	5.1464G	51.70	54.00	-2.30	2.90	3	H	6	1.50	-
5240MHz	Pass	AV	5.2454G	111.65	Inf	-Inf	3.00	3	H	6	1.50	-
5240MHz	Pass	AV	5.3552G	48.42	54.00	-5.58	3.12	3	H	6	1.50	-
5240MHz	Pass	PK	5.1458G	64.34	74.00	-9.66	2.90	3	H	6	1.50	-
5240MHz	Pass	PK	5.2448G	120.42	Inf	-Inf	3.00	3	H	6	1.50	-
5240MHz	Pass	PK	5.3606G	60.30	74.00	-13.70	3.12	3	H	6	1.50	-
5240MHz	Pass	AV	5.149995G	49.71	54.00	-4.29	2.90	3	V	323	1.49	-
5240MHz	Pass	AV	5.2406G	108.87	Inf	-Inf	2.99	3	V	323	1.49	-
5240MHz	Pass	AV	5.3522G	48.61	54.00	-5.39	3.11	3	V	323	1.49	-
5240MHz	Pass	PK	5.149995G	62.77	74.00	-11.23	2.90	3	V	323	1.49	-
5240MHz	Pass	PK	5.2406G	117.85	Inf	-Inf	2.99	3	V	323	1.49	-
5240MHz	Pass	PK	5.3528G	61.14	74.00	-12.86	3.11	3	V	323	1.49	-
5240MHz	Pass	AV	10.48G	53.29	54.00	-0.71	13.10	3	H	316	1.20	-
5240MHz	Pass	AV	15.72G	49.33	54.00	-4.67	13.99	3	H	318	2.14	-
5240MHz	Pass	PK	10.48G	64.62	74.00	-9.38	13.10	3	H	316	1.20	-
5240MHz	Pass	PK	15.72G	60.52	74.00	-13.48	13.99	3	H	318	2.14	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	AV	10.48G	53.35	54.00	-0.65	13.10	3	V	303	1.01	-
5240MHz	Pass	AV	15.72G	50.02	54.00	-3.98	13.99	3	V	325	1.01	-
5240MHz	Pass	PK	10.48G	64.02	74.00	-9.98	13.10	3	V	303	1.01	-
5240MHz	Pass	PK	15.72G	61.97	74.00	-12.03	13.99	3	V	325	1.01	-
5745MHz	Pass	AV	5.7402G	109.65	Inf	-Inf	3.47	3	H	340	1.43	-
5745MHz	Pass	PK	5.619G	58.41	68.20	-9.79	3.37	3	H	340	1.43	-
5745MHz	Pass	PK	5.7498G	117.53	Inf	-Inf	3.47	3	H	340	1.43	-
5745MHz	Pass	PK	5.9766G	59.06	68.20	-9.14	3.66	3	H	340	1.43	-
5745MHz	Pass	AV	5.7474G	104.89	Inf	-Inf	3.47	3	V	345	1.50	-
5745MHz	Pass	PK	5.6442G	57.93	68.20	-10.27	3.39	3	V	345	1.50	-
5745MHz	Pass	PK	5.7474G	112.89	Inf	-Inf	3.47	3	V	345	1.50	-
5745MHz	Pass	PK	5.9898G	58.02	68.20	-10.18	3.67	3	V	345	1.50	-
5745MHz	Pass	AV	11.49G	46.70	54.00	-7.30	13.63	3	H	324	2.51	-
5745MHz	Pass	PK	11.49G	58.62	74.00	-15.38	13.63	3	H	324	2.51	-
5745MHz	Pass	AV	11.49G	45.19	54.00	-8.81	13.63	3	V	329	1.28	-
5745MHz	Pass	PK	11.49G	56.74	74.00	-17.26	13.63	3	V	329	1.28	-
5785MHz	Pass	AV	5.7898G	110.55	Inf	-Inf	3.50	3	H	339	1.50	-
5785MHz	Pass	PK	5.6518G	66.19	69.53	-3.34	3.40	3	H	339	1.50	-
5785MHz	Pass	PK	5.7886G	120.09	Inf	-Inf	3.50	3	H	339	1.50	-
5785MHz	Pass	PK	5.9278G	62.65	68.20	-5.55	3.62	3	H	339	1.50	-
5785MHz	Pass	AV	5.7874G	108.66	Inf	-Inf	3.50	3	V	348	1.98	-
5785MHz	Pass	PK	5.6518G	63.39	69.53	-6.15	3.40	3	V	348	1.98	-
5785MHz	Pass	PK	5.7886G	117.24	Inf	-Inf	3.50	3	V	348	1.98	-
5785MHz	Pass	PK	5.9266G	59.57	68.20	-8.63	3.62	3	V	348	1.98	-
5785MHz	Pass	AV	11.57G	51.90	54.00	-2.10	13.49	3	H	342	2.50	-
5785MHz	Pass	PK	11.57G	62.65	74.00	-11.35	13.49	3	H	342	2.50	-
5785MHz	Pass	AV	11.57G	50.38	54.00	-3.62	13.49	3	V	334	1.23	-
5785MHz	Pass	PK	11.57G	60.86	74.00	-13.14	13.49	3	V	334	1.23	-
5825MHz	Pass	AV	5.831G	108.19	Inf	-Inf	3.54	3	H	14	1.50	-
5825MHz	Pass	PK	5.5898G	59.22	68.20	-8.98	3.34	3	H	14	1.50	-
5825MHz	Pass	PK	5.8298G	116.35	Inf	-Inf	3.54	3	H	14	1.50	-
5825MHz	Pass	PK	5.981G	60.24	68.20	-7.96	3.66	3	H	14	1.50	-
5825MHz	Pass	AV	5.8214G	104.56	Inf	-Inf	3.53	3	V	353	1.56	-
5825MHz	Pass	PK	5.5898G	57.92	68.20	-10.28	3.34	3	V	353	1.56	-
5825MHz	Pass	PK	5.8226G	112.49	Inf	-Inf	3.53	3	V	353	1.56	-
5825MHz	Pass	PK	5.981G	57.60	68.20	-10.60	3.66	3	V	353	1.56	-
5825MHz	Pass	AV	11.65G	47.52	54.00	-6.48	13.35	3	H	273	2.84	-
5825MHz	Pass	PK	11.65G	59.22	74.00	-14.78	13.35	3	H	273	2.84	-
5825MHz	Pass	AV	11.65G	46.70	54.00	-7.30	13.35	3	V	333	1.46	-
5825MHz	Pass	PK	11.65G	58.17	74.00	-15.83	13.35	3	V	333	1.46	-
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1488G	53.54	54.00	-0.46	2.90	3	H	283	2.04	-
5180MHz	Pass	AV	5.1836G	105.61	Inf	-Inf	2.93	3	H	283	2.04	-
5180MHz	Pass	AV	15.54G	46.39	54.00	-7.61	14.65	3	H	360	1.50	-
5180MHz	Pass	PK	5.1484G	71.98	74.00	-2.02	2.90	3	H	283	2.04	-
5180MHz	Pass	PK	5.1834G	113.59	Inf	-Inf	2.93	3	H	283	2.04	-
5180MHz	Pass	PK	15.54G	58.12	74.00	-15.88	14.65	3	H	360	1.50	-
5180MHz	Pass	AV	5.1488G	49.28	54.00	-4.72	2.90	3	V	313	2.37	-
5180MHz	Pass	AV	5.1838G	102.48	Inf	-Inf	2.93	3	V	313	2.37	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5180MHz	Pass	AV	15.54G	46.41	54.00	-7.59	14.65	3	V	0	1.50	-
5180MHz	Pass	PK	5.1486G	64.84	74.00	-9.16	2.90	3	V	313	2.37	-
5180MHz	Pass	PK	5.1844G	111.26	Inf	-Inf	2.93	3	V	313	2.37	-
5180MHz	Pass	PK	15.54G	57.74	74.00	-16.26	14.65	3	V	0	1.50	-
5200MHz	Pass	AV	5.146G	53.23	54.00	-0.77	2.90	3	H	268	2.72	-
5200MHz	Pass	AV	5.2056G	111.08	Inf	-Inf	2.96	3	H	268	2.72	-
5200MHz	Pass	AV	10.4G	48.76	54.00	-5.24	12.89	3	H	360	1.35	-
5200MHz	Pass	AV	15.6G	46.78	54.00	-7.22	14.43	3	H	0	1.50	-
5200MHz	Pass	PK	5.1464G	66.22	74.00	-7.78	2.90	3	H	268	2.72	-
5200MHz	Pass	PK	5.196G	118.78	Inf	-Inf	2.95	3	H	268	2.72	-
5200MHz	Pass	PK	10.4G	59.41	74.00	-14.59	12.89	3	H	360	1.35	-
5200MHz	Pass	PK	15.6G	57.85	74.00	-16.15	14.43	3	H	0	1.50	-
5200MHz	Pass	AV	5.149995G	50.09	54.00	-3.91	2.90	3	V	304	1.01	-
5200MHz	Pass	AV	5.2052G	106.03	Inf	-Inf	2.96	3	V	304	1.01	-
5200MHz	Pass	AV	10.4G	46.85	54.00	-7.15	12.89	3	V	321	1.30	-
5200MHz	Pass	AV	15.6G	47.07	54.00	-6.93	14.43	3	V	360	1.50	-
5200MHz	Pass	PK	5.146G	62.98	74.00	-11.02	2.90	3	V	304	1.01	-
5200MHz	Pass	PK	5.196G	114.05	Inf	-Inf	2.95	3	V	304	1.01	-
5200MHz	Pass	PK	10.4G	58.16	74.00	-15.84	12.89	3	V	321	1.30	-
5200MHz	Pass	PK	15.6G	57.65	74.00	-16.35	14.43	3	V	360	1.50	-
5240MHz	Pass	AV	5.1488G	53.64	54.00	-0.36	2.90	3	H	22	1.49	-
5240MHz	Pass	AV	5.2454G	110.43	Inf	-Inf	3.00	3	H	22	1.49	-
5240MHz	Pass	AV	5.351G	50.94	54.00	-3.06	3.11	3	H	22	1.49	-
5240MHz	Pass	AV	15.72G	48.29	54.00	-5.71	13.99	3	H	57	1.44	-
5240MHz	Pass	PK	5.1452G	68.23	74.00	-5.77	2.90	3	H	22	1.49	-
5240MHz	Pass	PK	5.2454G	119.38	Inf	-Inf	3.00	3	H	22	1.49	-
5240MHz	Pass	PK	5.354G	66.90	74.00	-7.10	3.11	3	H	22	1.49	-
5240MHz	Pass	PK	10.48G	66.02	68.20	-2.18	13.10	3	H	36	2.21	-
5240MHz	Pass	PK	15.72G	59.57	74.00	-14.43	13.99	3	H	57	1.44	-
5240MHz	Pass	AV	5.1482G	53.49	54.00	-0.51	2.90	3	V	1	1.43	-
5240MHz	Pass	AV	5.2358G	109.02	Inf	-Inf	2.99	3	V	1	1.43	-
5240MHz	Pass	AV	5.351G	50.16	54.00	-3.84	3.11	3	V	1	1.43	-
5240MHz	Pass	AV	15.72G	46.69	54.00	-7.31	13.99	3	V	0	1.50	-
5240MHz	Pass	PK	5.1386G	67.51	74.00	-6.49	2.89	3	V	1	1.43	-
5240MHz	Pass	PK	5.2358G	117.80	Inf	-Inf	2.99	3	V	1	1.43	-
5240MHz	Pass	PK	5.351G	67.64	74.00	-6.36	3.11	3	V	1	1.43	-
5240MHz	Pass	PK	10.48G	65.04	68.20	-3.16	13.10	3	V	43	1.50	-
5240MHz	Pass	PK	15.72G	58.51	74.00	-15.49	13.99	3	V	0	1.50	-
5745MHz	Pass	AV	5.7402G	109.58	Inf	-Inf	3.47	3	H	304	2.23	-
5745MHz	Pass	AV	11.49G	46.98	54.00	-7.02	13.63	3	H	0	1.50	-
5745MHz	Pass	AV	17.235G	52.51	54.00	-1.49	18.05	3	H	10	1.12	-
5745MHz	Pass	PK	5.5134G	62.53	68.20	-5.67	3.28	3	H	304	2.23	-
5745MHz	Pass	PK	5.7402G	118.75	Inf	-Inf	3.47	3	H	304	2.23	-
5745MHz	Pass	PK	5.9898G	61.79	68.20	-6.41	3.67	3	H	304	2.23	-
5745MHz	Pass	PK	11.49G	57.20	74.00	-16.80	13.63	3	H	0	1.50	-
5745MHz	Pass	PK	17.235G	64.54	74.00	-9.46	18.05	3	H	10	1.12	-
5745MHz	Pass	AV	5.7486G	104.27	Inf	-Inf	3.47	3	V	347	1.09	-
5745MHz	Pass	AV	11.49G	45.98	54.00	-8.02	13.63	3	V	360	1.50	-
5745MHz	Pass	AV	17.235G	51.63	54.00	-2.37	18.05	3	V	41	1.25	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5745MHz	Pass	PK	5.631G	58.51	68.20	-9.69	3.38	3	V	347	1.09	-
5745MHz	Pass	PK	5.7438G	113.50	Inf	-Inf	3.47	3	V	347	1.09	-
5745MHz	Pass	PK	5.9898G	58.74	68.20	-9.46	3.67	3	V	347	1.09	-
5745MHz	Pass	PK	11.49G	56.95	74.00	-17.05	13.63	3	V	360	1.50	-
5745MHz	Pass	PK	17.235G	62.51	74.00	-11.49	18.05	3	V	41	1.25	-
5785MHz	Pass	AV	5.7874G	105.95	Inf	-Inf	3.50	3	H	331	1.43	-
5785MHz	Pass	AV	5.7898G	110.11	Inf	-Inf	3.50	3	H	299	2.13	-
5785MHz	Pass	AV	11.57G	49.44	54.00	-4.56	13.49	3	H	21	1.29	-
5785MHz	Pass	AV	17.355G	53.16	54.00	-0.84	18.95	3	H	9	1.02	-
5785MHz	Pass	PK	5.6458G	66.30	68.20	-1.90	3.39	3	H	299	2.13	-
5785MHz	Pass	PK	5.6482G	61.51	68.20	-6.69	3.39	3	H	331	1.43	-
5785MHz	Pass	PK	5.7874G	114.96	Inf	-Inf	3.50	3	H	331	1.43	-
5785MHz	Pass	PK	5.7898G	119.43	Inf	-Inf	3.50	3	H	299	2.13	-
5785MHz	Pass	PK	5.9266G	67.56	68.20	-0.64	3.62	3	H	299	2.13	-
5785MHz	Pass	PK	5.929G	61.21	68.20	-6.99	3.62	3	H	331	1.43	-
5785MHz	Pass	PK	11.57G	60.37	74.00	-13.63	13.49	3	H	21	1.29	-
5785MHz	Pass	PK	17.355G	64.71	74.00	-9.29	18.95	3	H	9	1.02	-
5785MHz	Pass	AV	11.57G	48.45	54.00	-5.55	13.49	3	V	48	1.37	-
5785MHz	Pass	AV	17.355G	52.16	54.00	-1.84	18.95	3	V	34	1.50	-
5785MHz	Pass	PK	11.57G	58.68	74.00	-15.32	13.49	3	V	48	1.37	-
5785MHz	Pass	PK	17.355G	62.33	74.00	-11.67	18.95	3	V	34	1.50	-
5825MHz	Pass	AV	5.8298G	107.71	Inf	-Inf	3.54	3	H	298	2.08	-
5825MHz	Pass	AV	11.65G	48.83	54.00	-5.17	13.35	3	H	19	1.12	-
5825MHz	Pass	AV	17.475G	53.77	54.00	-0.23	19.85	3	H	7	1.50	-
5825MHz	Pass	PK	5.5766G	59.22	68.20	-8.98	3.33	3	H	298	2.08	-
5825MHz	Pass	PK	5.8298G	115.85	Inf	-Inf	3.54	3	H	298	2.08	-
5825MHz	Pass	PK	5.9858G	59.68	68.20	-8.52	3.67	3	H	298	2.08	-
5825MHz	Pass	PK	11.65G	59.52	74.00	-14.48	13.35	3	H	19	1.12	-
5825MHz	Pass	PK	17.475G	64.59	74.00	-9.41	19.85	3	H	7	1.50	-
5825MHz	Pass	AV	5.8274G	104.41	Inf	-Inf	3.53	3	V	322	1.02	-
5825MHz	Pass	AV	11.65G	47.80	54.00	-6.20	13.35	3	V	48	1.32	-
5825MHz	Pass	AV	17.475G	53.71	54.00	-0.29	19.85	3	V	6	1.11	-
5825MHz	Pass	PK	5.5766G	58.39	68.20	-9.81	3.33	3	V	322	1.02	-
5825MHz	Pass	PK	5.8274G	113.01	Inf	-Inf	3.53	3	V	322	1.02	-
5825MHz	Pass	PK	5.9378G	58.61	68.20	-9.59	3.63	3	V	322	1.02	-
5825MHz	Pass	PK	11.65G	59.09	74.00	-14.91	13.35	3	V	48	1.32	-
5825MHz	Pass	PK	17.475G	65.68	74.00	-8.32	19.85	3	V	6	1.11	-
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1484G	53.33	54.00	-0.67	2.90	3	H	18	2.12	-
5190MHz	Pass	AV	5.198G	99.93	Inf	-Inf	2.95	3	H	18	2.12	-
5190MHz	Pass	AV	15.57G	47.23	54.00	-6.77	14.54	3	H	0	1.50	-
5190MHz	Pass	PK	5.1448G	65.19	74.00	-8.81	2.89	3	H	18	2.12	-
5190MHz	Pass	PK	5.1976G	107.25	Inf	-Inf	2.95	3	H	18	2.12	-
5190MHz	Pass	PK	15.57G	59.20	74.00	-14.80	14.54	3	H	0	1.50	-
5190MHz	Pass	AV	5.149995G	52.01	54.00	-1.99	2.90	3	V	358	1.50	-
5190MHz	Pass	AV	5.1956G	97.08	Inf	-Inf	2.95	3	V	358	1.50	-
5190MHz	Pass	AV	15.57G	47.19	54.00	-6.81	14.54	3	V	360	1.50	-
5190MHz	Pass	PK	5.149995G	70.31	74.00	-3.69	2.90	3	V	358	1.50	-
5190MHz	Pass	PK	5.196G	105.87	Inf	-Inf	2.95	3	V	358	1.50	-

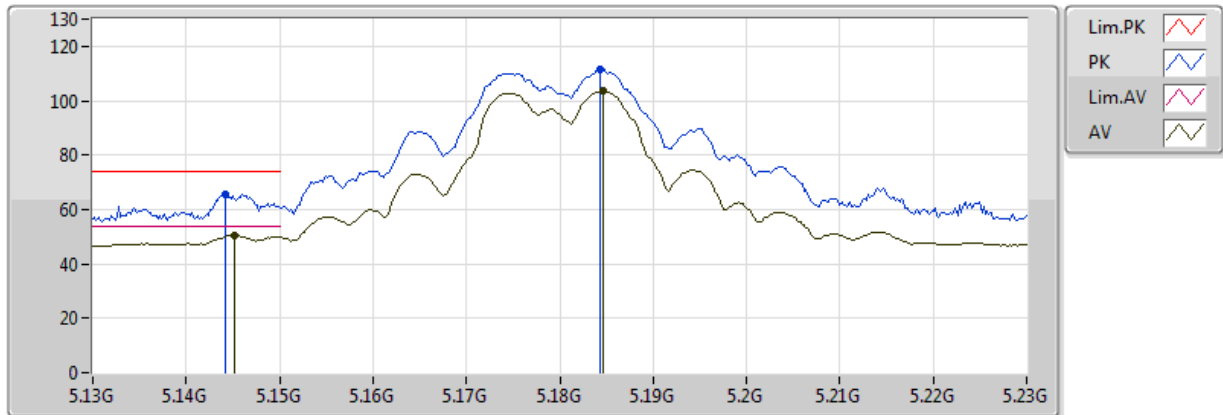


Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5190MHz	Pass	PK	15.57G	59.11	74.00	-14.89	14.54	3	V	360	1.50	-
5230MHz	Pass	AV	5.1488G	53.31	54.00	-0.69	2.90	3	H	342	2.02	-
5230MHz	Pass	AV	5.2392G	105.61	Inf	-Inf	2.99	3	H	342	2.02	-
5230MHz	Pass	AV	15.69G	47.20	54.00	-6.80	14.10	3	H	360	1.50	-
5230MHz	Pass	PK	5.1488G	66.42	74.00	-7.58	2.90	3	H	342	2.02	-
5230MHz	Pass	PK	5.234G	114.40	Inf	-Inf	2.99	3	H	342	2.02	-
5230MHz	Pass	PK	15.69G	58.39	74.00	-15.61	14.10	3	H	360	1.50	-
5230MHz	Pass	AV	5.149995G	53.04	54.00	-0.96	2.90	3	V	355	1.43	-
5230MHz	Pass	AV	5.236G	102.39	Inf	-Inf	2.99	3	V	355	1.43	-
5230MHz	Pass	AV	15.69G	47.04	54.00	-6.96	14.10	3	V	0	1.50	-
5230MHz	Pass	PK	5.149995G	66.80	74.00	-7.20	2.90	3	V	355	1.43	-
5230MHz	Pass	PK	5.2356G	111.28	Inf	-Inf	2.99	3	V	355	1.43	-
5230MHz	Pass	PK	15.69G	58.44	74.00	-15.56	14.10	3	V	0	1.50	-
5755MHz	Pass	AV	5.761G	105.16	Inf	-Inf	3.48	3	H	316	1.49	-
5755MHz	Pass	AV	11.51G	46.08	54.00	-7.92	13.59	3	H	0	1.50	-
5755MHz	Pass	PK	5.6458G	64.32	68.20	-3.88	3.39	3	H	316	1.49	-
5755MHz	Pass	PK	5.7622G	114.38	Inf	-Inf	3.48	3	H	316	1.49	-
5755MHz	Pass	PK	5.9314G	58.63	68.20	-9.57	3.63	3	H	316	1.49	-
5755MHz	Pass	PK	11.51G	56.64	74.00	-17.36	13.59	3	H	0	1.50	-
5755MHz	Pass	AV	5.7622G	101.63	Inf	-Inf	3.48	3	V	338	1.33	-
5755MHz	Pass	AV	11.51G	44.92	54.00	-9.08	13.59	3	V	360	1.50	-
5755MHz	Pass	PK	5.6446G	64.72	68.20	-3.48	3.39	3	V	338	1.33	-
5755MHz	Pass	PK	5.7622G	111.00	Inf	-Inf	3.48	3	V	338	1.33	-
5755MHz	Pass	PK	5.9506G	58.09	68.20	-10.11	3.64	3	V	338	1.33	-
5755MHz	Pass	PK	11.51G	56.48	74.00	-17.52	13.59	3	V	360	1.50	-
5795MHz	Pass	AV	5.801G	104.92	Inf	-Inf	3.51	3	H	316	1.73	-
5795MHz	Pass	AV	11.59G	46.34	54.00	-7.66	13.46	3	H	360	1.50	-
5795MHz	Pass	AV	17.385G	53.32	54.00	-0.68	19.18	3	H	10	1.38	-
5795MHz	Pass	PK	5.645G	60.95	68.20	-7.25	3.39	3	H	316	1.73	-
5795MHz	Pass	PK	5.801G	113.64	Inf	-Inf	3.51	3	H	316	1.73	-
5795MHz	Pass	PK	5.9258G	63.30	68.20	-4.90	3.62	3	H	316	1.73	-
5795MHz	Pass	PK	11.59G	56.91	74.00	-17.09	13.46	3	H	360	1.50	-
5795MHz	Pass	PK	17.385G	64.57	74.00	-9.43	19.18	3	H	10	1.38	-
5795MHz	Pass	AV	5.8022G	101.61	Inf	-Inf	3.51	3	V	335	1.33	-
5795MHz	Pass	AV	11.59G	45.57	54.00	-8.43	13.46	3	V	0	1.50	-
5795MHz	Pass	AV	17.385G	53.13	54.00	-0.87	19.18	3	V	8	1.13	-
5795MHz	Pass	PK	5.5454G	58.32	68.20	-9.88	3.31	3	V	335	1.33	-
5795MHz	Pass	PK	5.7974G	110.12	Inf	-Inf	3.51	3	V	335	1.33	-
5795MHz	Pass	PK	5.9258G	58.87	68.20	-9.33	3.62	3	V	335	1.33	-
5795MHz	Pass	PK	11.59G	57.57	74.00	-16.43	13.46	3	V	0	1.50	-
5795MHz	Pass	PK	17.385G	64.38	74.00	-9.62	19.18	3	V	8	1.13	-
802.11ac VHT80_Nss1(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149G	53.50	54.00	-0.50	2.90	3	H	340	2.14	-
5210MHz	Pass	AV	5.224G	96.94	Inf	-Inf	2.98	3	H	340	2.14	-
5210MHz	Pass	AV	5.355G	47.50	54.00	-6.50	3.11	3	H	340	2.14	-
5210MHz	Pass	AV	15.63G	47.05	54.00	-6.95	14.32	3	H	0	1.50	-
5210MHz	Pass	PK	5.149995G	72.86	74.00	-1.14	2.90	3	H	340	2.14	-
5210MHz	Pass	PK	5.224G	106.03	Inf	-Inf	2.98	3	H	340	2.14	-
5210MHz	Pass	PK	5.355G	58.31	74.00	-15.69	3.11	3	H	340	2.14	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	PK	15.63G	58.40	74.00	-15.60	14.32	3	H	0	1.50	-
5210MHz	Pass	AV	5.146G	51.15	54.00	-2.85	2.90	3	V	350	1.50	-
5210MHz	Pass	AV	5.196G	93.18	Inf	-Inf	2.95	3	V	350	1.50	-
5210MHz	Pass	AV	5.351G	46.13	54.00	-7.87	2.97	3	V	350	1.50	-
5210MHz	Pass	AV	15.63G	47.07	54.00	-6.93	14.32	3	V	360	1.50	-
5210MHz	Pass	PK	5.141G	69.89	74.00	-4.11	2.89	3	V	350	1.50	-
5210MHz	Pass	PK	5.221G	102.54	Inf	-Inf	2.97	3	V	350	1.50	-
5210MHz	Pass	PK	5.406G	57.20	74.00	-16.80	3.17	3	V	350	1.50	-
5210MHz	Pass	PK	15.63G	59.17	74.00	-14.83	14.32	3	V	360	1.50	-
5775MHz	Pass	AV	5.7618G	99.82	Inf	-Inf	3.48	3	H	313	1.50	-
5775MHz	Pass	AV	11.55G	44.38	54.00	-9.62	13.52	3	H	0	1.50	-
5775MHz	Pass	PK	5.6454G	67.30	68.20	-0.90	3.39	3	H	313	1.50	-
5775MHz	Pass	PK	5.7918G	109.07	Inf	-Inf	3.50	3	H	313	1.50	-
5775MHz	Pass	PK	5.9262G	63.95	68.20	-4.25	3.62	3	H	313	1.50	-
5775MHz	Pass	PK	11.55G	55.02	74.00	-18.98	13.52	3	H	0	1.50	-
5775MHz	Pass	AV	5.7918G	96.72	Inf	-Inf	3.50	3	V	332	1.37	-
5775MHz	Pass	AV	11.55G	44.95	54.00	-9.05	13.52	3	V	360	1.50	-
5775MHz	Pass	PK	5.637G	63.68	68.20	-4.52	3.38	3	V	332	1.37	-
5775MHz	Pass	PK	5.7918G	105.92	Inf	-Inf	3.50	3	V	332	1.37	-
5775MHz	Pass	PK	5.931G	61.53	68.20	-6.67	3.62	3	V	332	1.37	-
5775MHz	Pass	PK	11.55G	55.86	74.00	-18.14	13.52	3	V	360	1.50	-

802.11a_(6Mbps)_3TX

5180MHz_TX

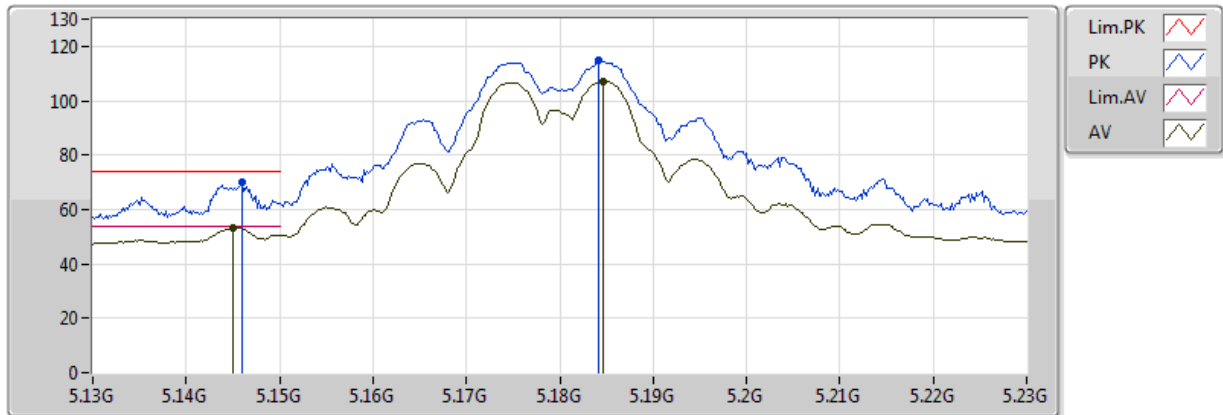


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1452G	50.58	54.00	-3.42	2.90	3	V	333	1.04	-
AV	5.1846G	103.41	Inf	-Inf	2.93	3	V	333	1.04	-
PK	5.1442G	65.53	74.00	-8.47	2.89	3	V	333	1.04	-
PK	5.1844G	111.73	Inf	-Inf	2.93	3	V	333	1.04	-

802.11a_(6Mbps)_3TX

5180MHz_TX

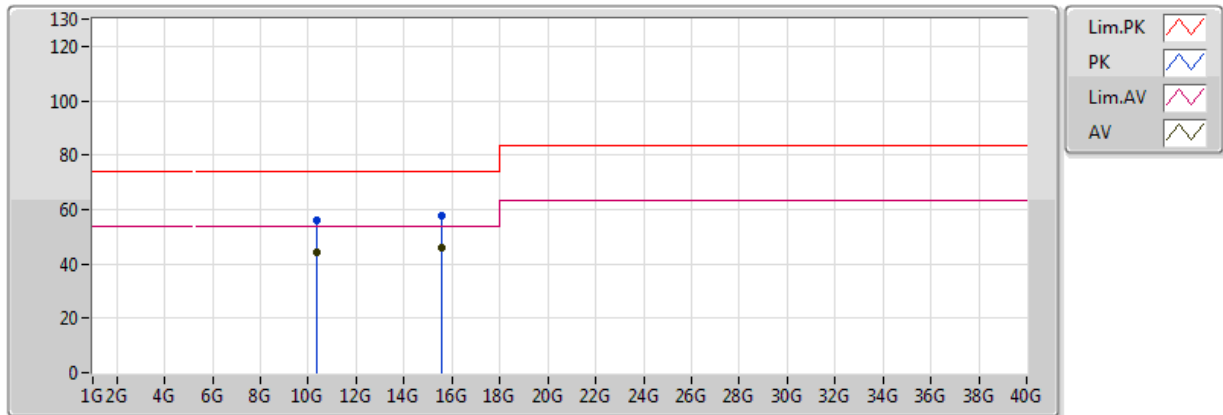


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.145G	53.38	54.00	-0.62	2.89	3	H	4	1.50	-
AV	5.1846G	106.99	Inf	-Inf	2.93	3	H	4	1.50	-
PK	5.146G	69.81	74.00	-4.19	2.90	3	H	4	1.50	-
PK	5.1842G	114.64	Inf	-Inf	2.93	3	H	4	1.50	-

802.11a_(6Mbps)_3TX

5180MHz_TX

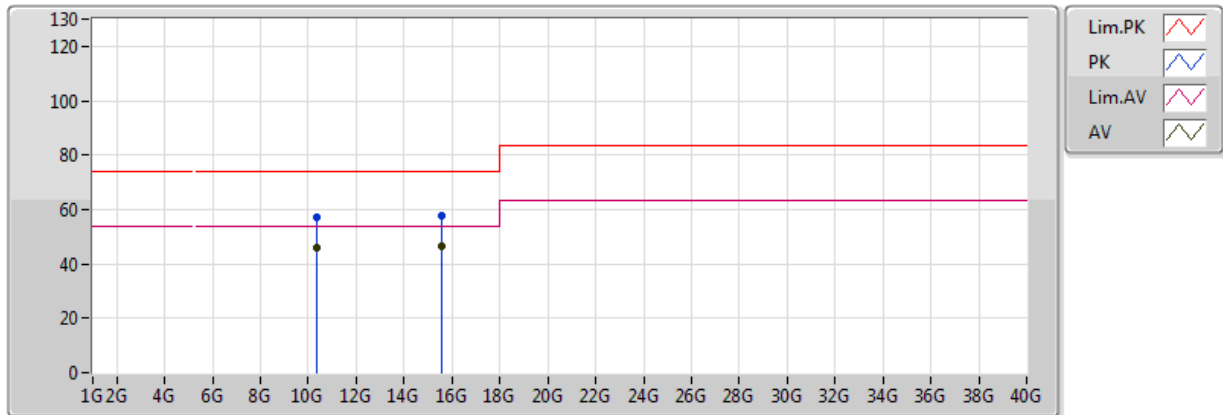


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	44.46	54.00	-9.54	12.78	3	V	299	1.30	-
AV	15.54G	46.12	54.00	-7.88	14.65	3	V	0	2.54	-
PK	10.36G	56.23	74.00	-17.77	12.78	3	V	299	1.30	-
PK	15.54G	57.74	74.00	-16.26	14.65	3	V	0	2.54	-

802.11a_(6Mbps)_3TX

5180MHz_TX

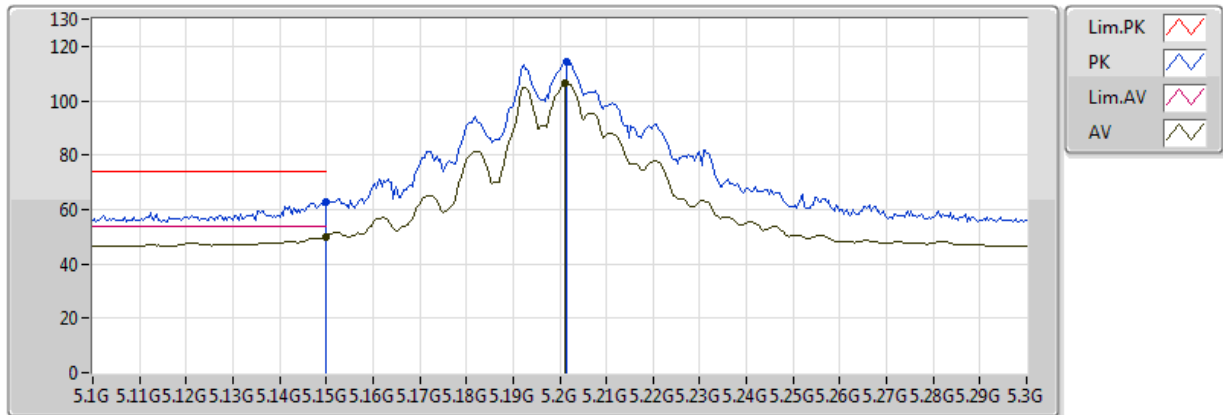


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	45.87	54.00	-8.13	12.78	3	H	303	2.56	-
AV	15.54G	46.34	54.00	-7.66	14.65	3	H	306	1.96	-
PK	10.36G	57.42	74.00	-16.58	12.78	3	H	303	2.56	-
PK	15.54G	57.89	74.00	-16.11	14.65	3	H	306	1.96	-

802.11a_(6Mbps)_3TX

5200MHz_TX

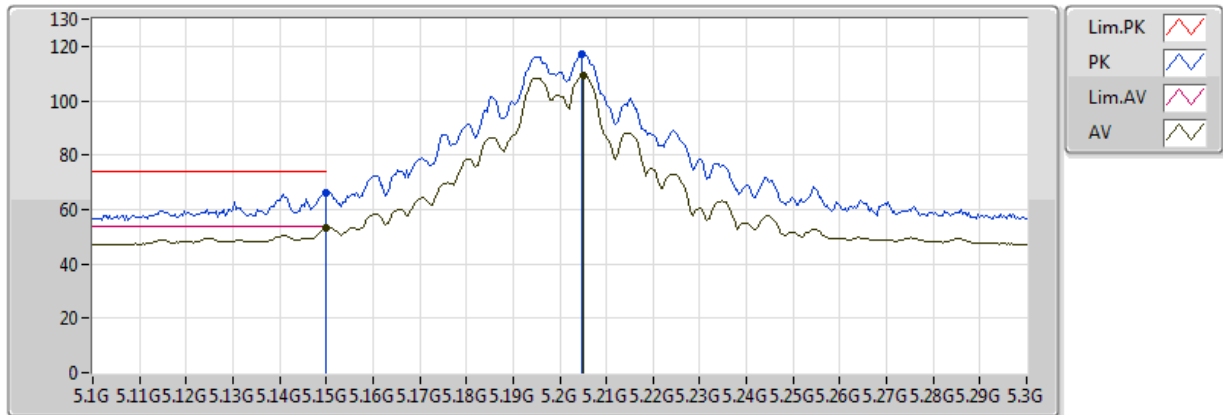


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	50.11	54.00	-3.89	2.90	3	V	326	1.60	-
AV	5.2012G	106.39	Inf	-Inf	2.95	3	V	326	1.60	-
PK	5.149995G	63.01	74.00	-10.99	2.90	3	V	326	1.60	-
PK	5.2016G	114.28	Inf	-Inf	2.95	3	V	326	1.60	-

802.11a_(6Mbps)_3TX

5200MHz_TX

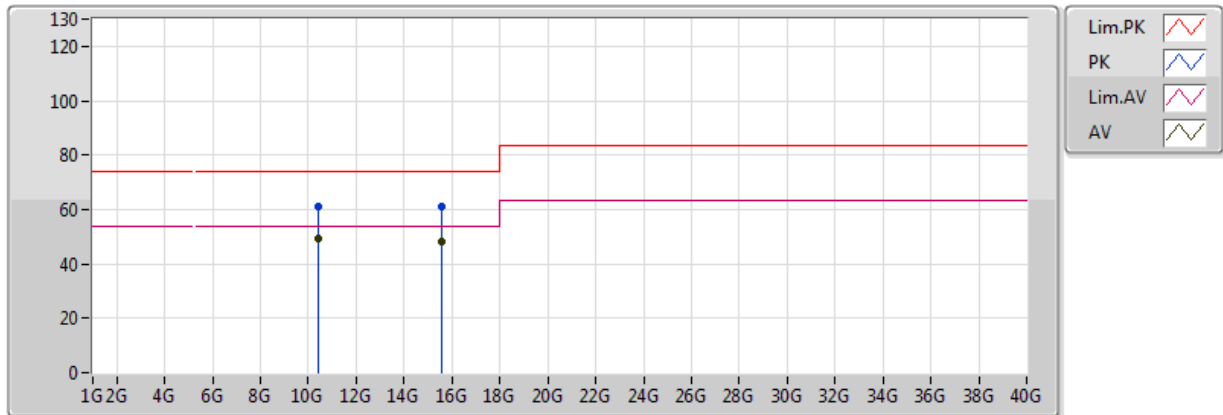


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.37	54.00	-0.63	2.90	3	H	3	1.50	-
AV	5.2052G	109.20	Inf	-Inf	2.96	3	H	3	1.50	-
PK	5.149995G	66.16	74.00	-7.84	2.90	3	H	3	1.50	-
PK	5.2048G	116.87	Inf	-Inf	2.96	3	H	3	1.50	-

802.11a_(6Mbps)_3TX

5200MHz_TX

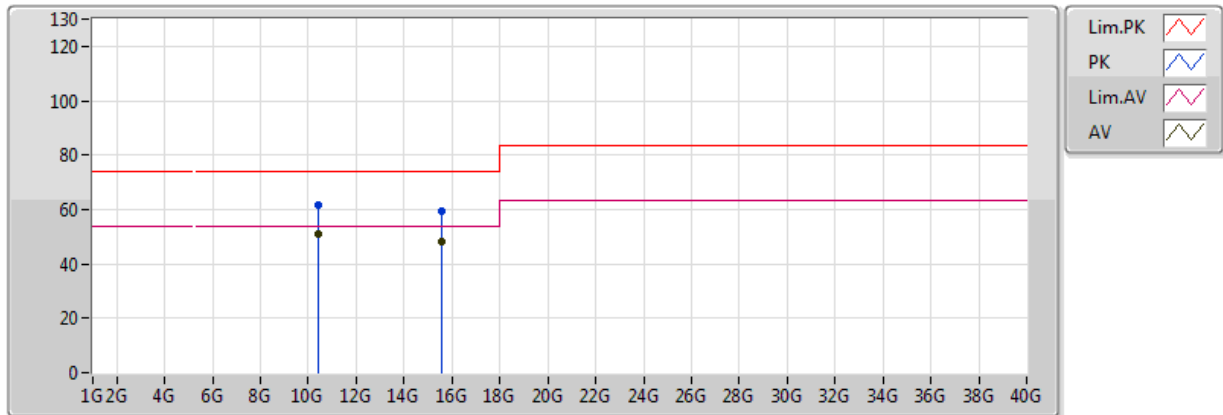


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	49.58	54.00	-4.42	12.89	3	V	297	1.01	-
AV	15.6G	48.18	54.00	-5.82	14.43	3	V	324	1.01	-
PK	10.4G	61.01	74.00	-12.99	12.89	3	V	297	1.01	-
PK	15.6G	60.90	74.00	-13.10	14.43	3	V	324	1.01	-

802.11a_(6Mbps)_3TX

5200MHz_TX

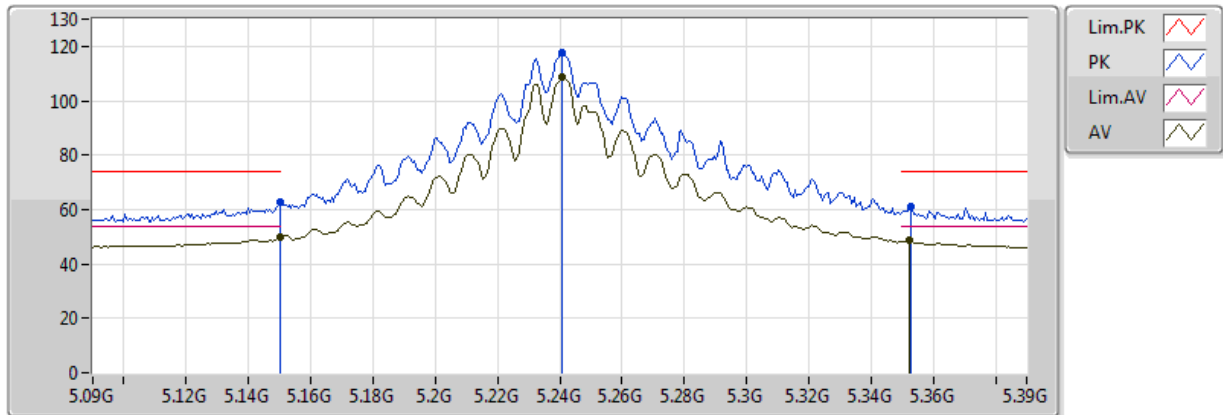


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	50.81	54.00	-3.19	12.89	3	H	311	1.21	-
AV	15.6G	48.34	54.00	-5.66	14.43	3	H	334	1.04	-
PK	10.4G	61.80	74.00	-12.20	12.89	3	H	311	1.21	-
PK	15.6G	59.53	74.00	-14.47	14.43	3	H	334	1.04	-

802.11a_(6Mbps)_3TX

5240MHz_TX

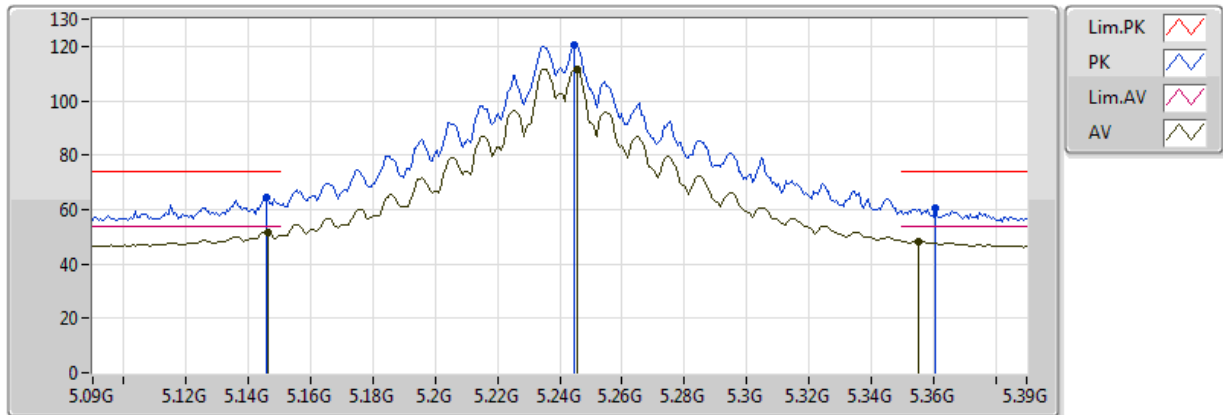


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	49.71	54.00	-4.29	2.90	3	V	323	1.49	-
AV	5.2406G	108.87	Inf	-Inf	2.99	3	V	323	1.49	-
AV	5.3522G	48.61	54.00	-5.39	3.11	3	V	323	1.49	-
PK	5.149995G	62.77	74.00	-11.23	2.90	3	V	323	1.49	-
PK	5.2406G	117.85	Inf	-Inf	2.99	3	V	323	1.49	-
PK	5.3528G	61.14	74.00	-12.86	3.11	3	V	323	1.49	-

802.11a_(6Mbps)_3TX

5240MHz_TX

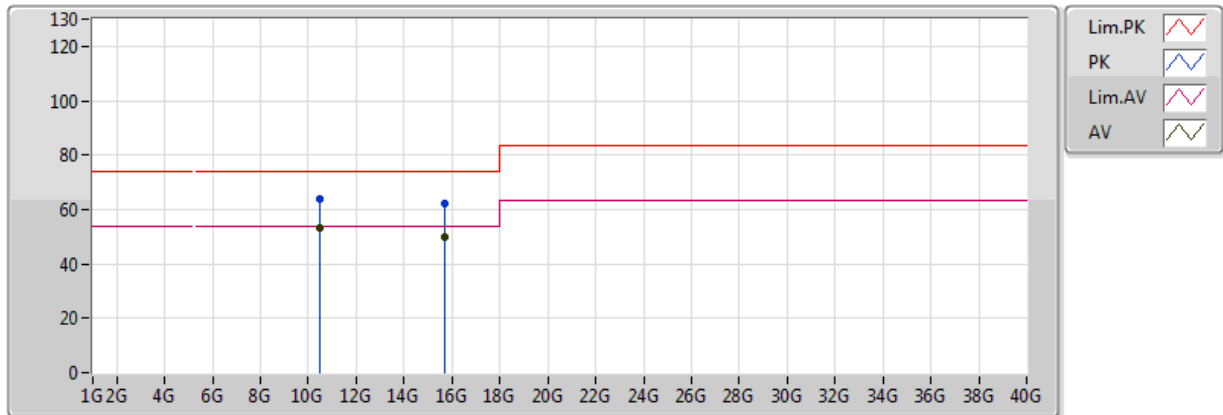


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1464G	51.70	54.00	-2.30	2.90	3	H	6	1.50	-
AV	5.2454G	111.65	Inf	-Inf	3.00	3	H	6	1.50	-
AV	5.3552G	48.42	54.00	-5.58	3.12	3	H	6	1.50	-
PK	5.1458G	64.34	74.00	-9.66	2.90	3	H	6	1.50	-
PK	5.2448G	120.42	Inf	-Inf	3.00	3	H	6	1.50	-
PK	5.3606G	60.30	74.00	-13.70	3.12	3	H	6	1.50	-

802.11a_(6Mbps)_3TX

5240MHz_TX

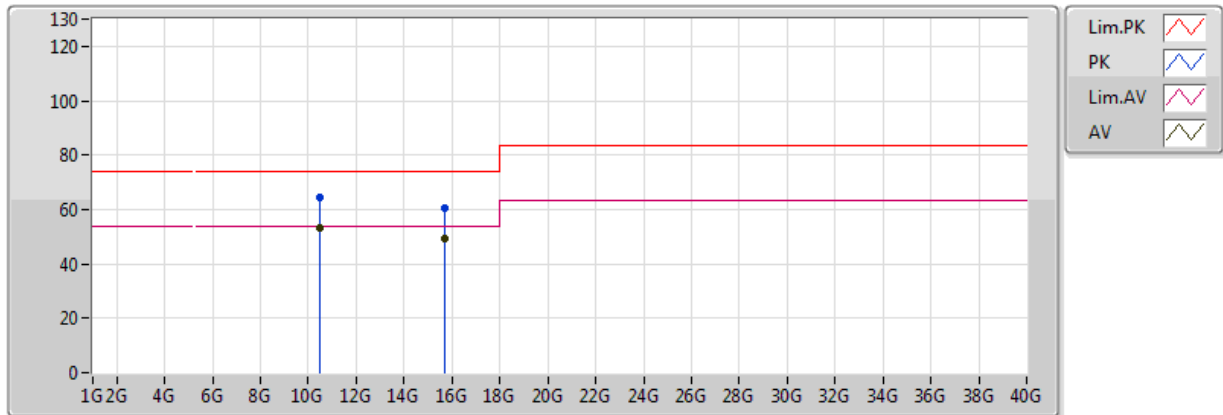


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	53.35	54.00	-0.65	13.10	3	V	303	1.01	-
AV	15.72G	50.02	54.00	-3.98	13.99	3	V	325	1.01	-
PK	10.48G	64.02	74.00	-9.98	13.10	3	V	303	1.01	-
PK	15.72G	61.97	74.00	-12.03	13.99	3	V	325	1.01	-

802.11a_(6Mbps)_3TX

5240MHz_TX

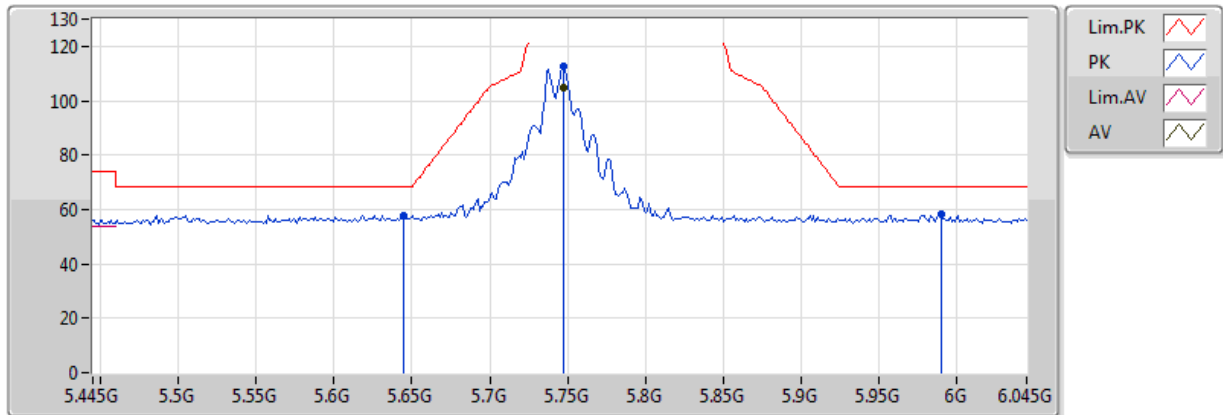


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	53.29	54.00	-0.71	13.10	3	H	316	1.20	-
AV	15.72G	49.33	54.00	-4.67	13.99	3	H	318	2.14	-
PK	10.48G	64.62	74.00	-9.38	13.10	3	H	316	1.20	-
PK	15.72G	60.52	74.00	-13.48	13.99	3	H	318	2.14	-

802.11a_(6Mbps)_3TX

5745MHz_TX

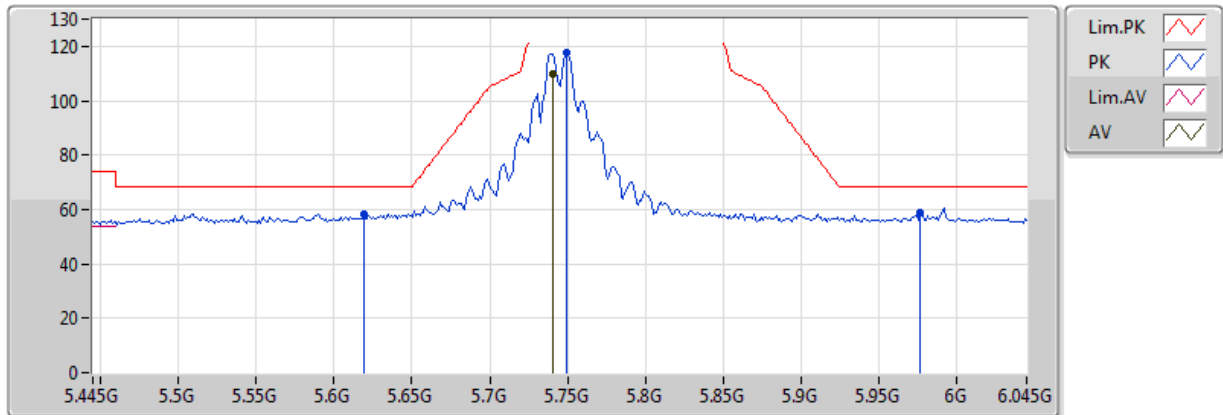


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7474G	104.89	Inf	-Inf	3.47	3	V	345	1.50	-
PK	5.6442G	57.93	68.20	-10.27	3.39	3	V	345	1.50	-
PK	5.7474G	112.89	Inf	-Inf	3.47	3	V	345	1.50	-
PK	5.9898G	58.02	68.20	-10.18	3.67	3	V	345	1.50	-

802.11a_(6Mbps)_3TX

5745MHz_TX

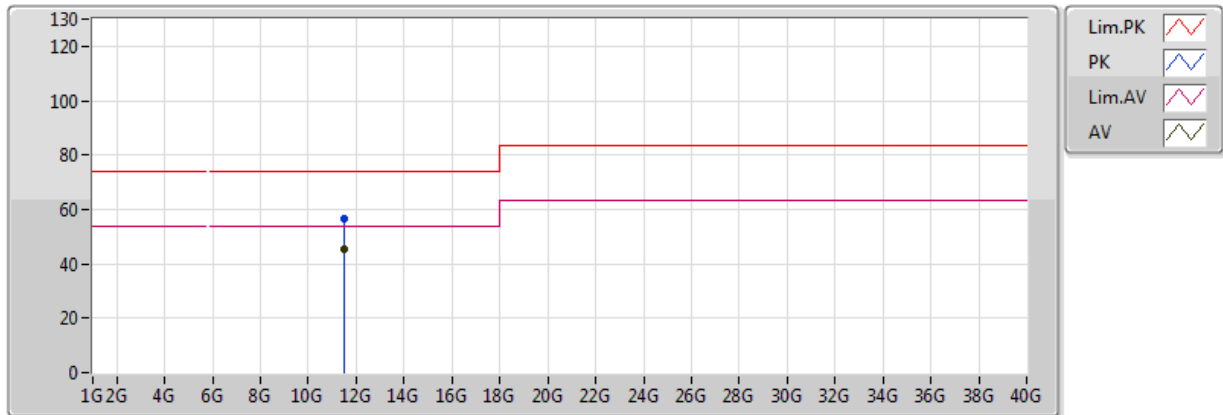


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7402G	109.65	Inf	-Inf	3.47	3	H	340	1.43	-
PK	5.619G	58.41	68.20	-9.79	3.37	3	H	340	1.43	-
PK	5.7498G	117.53	Inf	-Inf	3.47	3	H	340	1.43	-
PK	5.9766G	59.06	68.20	-9.14	3.66	3	H	340	1.43	-

802.11a_(6Mbps)_3TX

5745MHz_TX

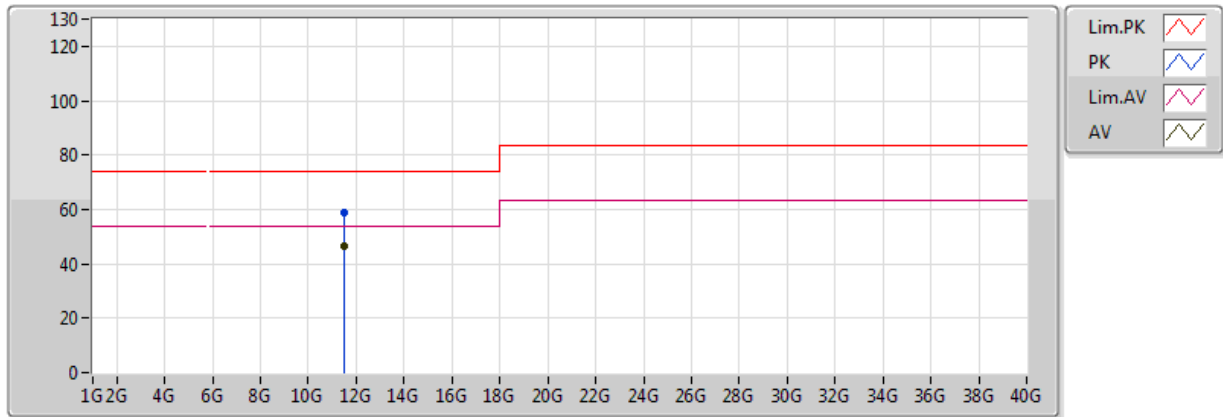


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	45.19	54.00	-8.81	13.63	3	V	329	1.28	-
PK	11.49G	56.74	74.00	-17.26	13.63	3	V	329	1.28	-

802.11a_(6Mbps)_3TX

5745MHz_TX

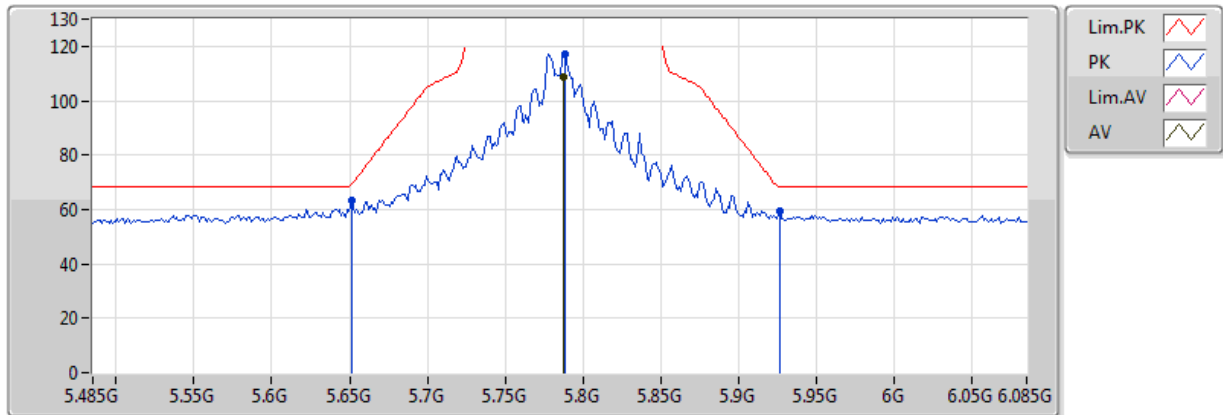


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	46.70	54.00	-7.30	13.63	3	H	324	2.51	-
PK	11.49G	58.62	74.00	-15.38	13.63	3	H	324	2.51	-

802.11a_(6Mbps)_3TX

5785MHz_TX

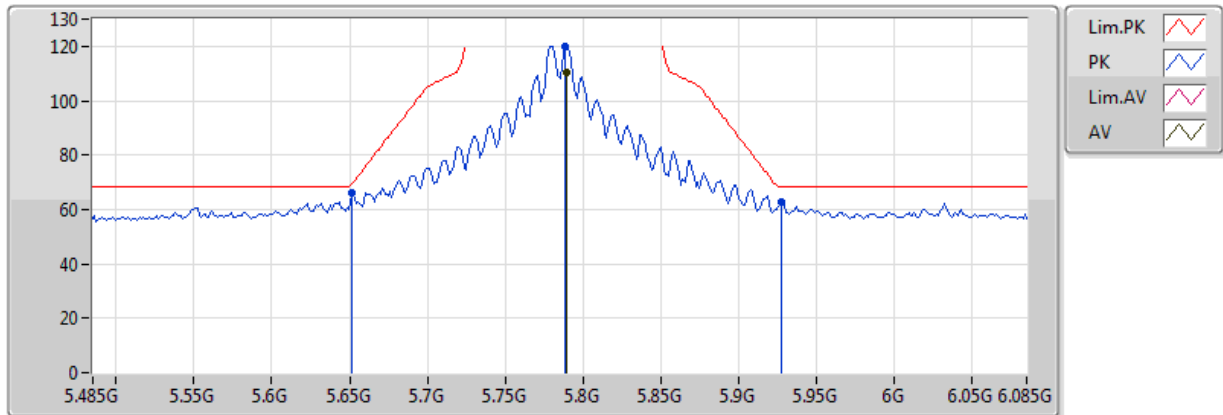


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7874G	108.66	Inf	-Inf	3.50	3	V	348	1.98	-
PK	5.6518G	63.39	69.53	-6.15	3.40	3	V	348	1.98	-
PK	5.7886G	117.24	Inf	-Inf	3.50	3	V	348	1.98	-
PK	5.9266G	59.57	68.20	-8.63	3.62	3	V	348	1.98	-

802.11a_(6Mbps)_3TX

5785MHz_TX

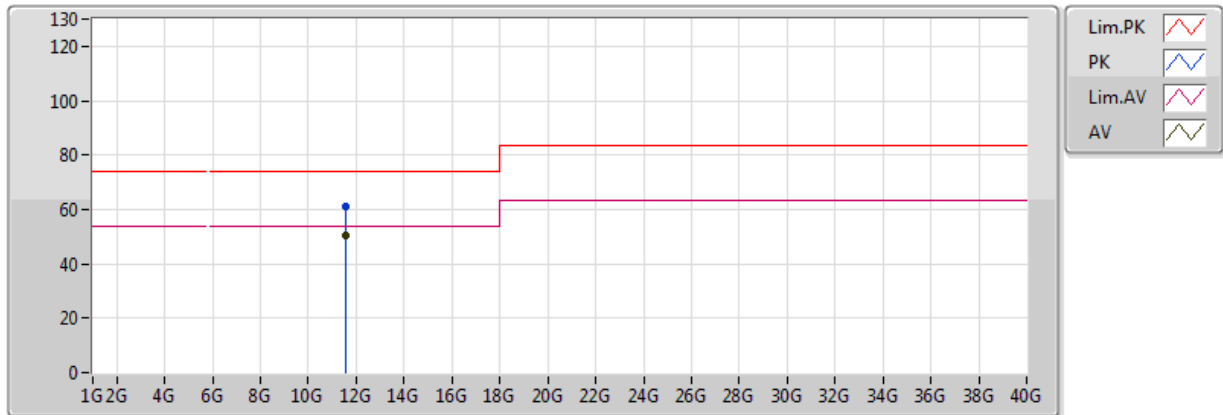


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7898G	110.55	Inf	-Inf	3.50	3	H	339	1.50	-
PK	5.6518G	66.19	69.53	-3.34	3.40	3	H	339	1.50	-
PK	5.7886G	120.09	Inf	-Inf	3.50	3	H	339	1.50	-
PK	5.9278G	62.65	68.20	-5.55	3.62	3	H	339	1.50	-

802.11a_(6Mbps)_3TX

5785MHz_TX

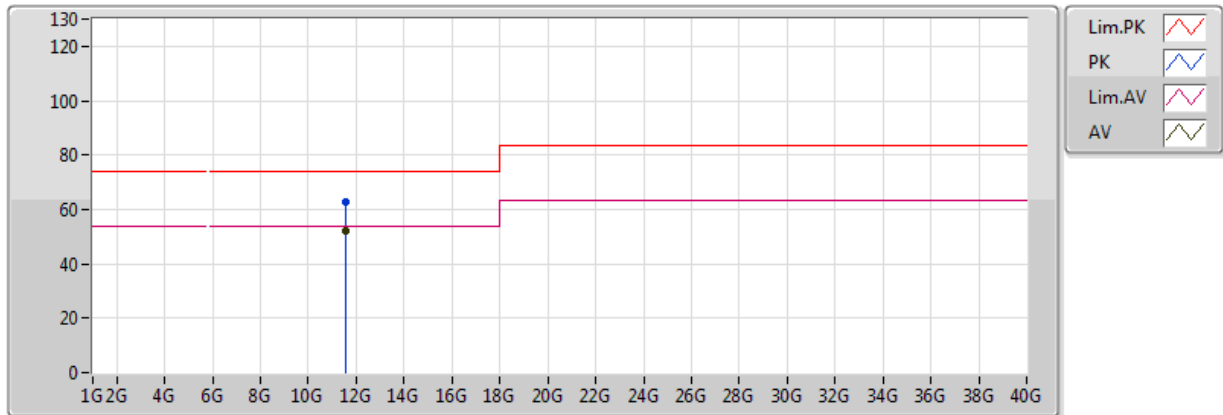


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	50.38	54.00	-3.62	13.49	3	V	334	1.23	-
PK	11.57G	60.86	74.00	-13.14	13.49	3	V	334	1.23	-

802.11a_(6Mbps)_3TX

5785MHz_TX

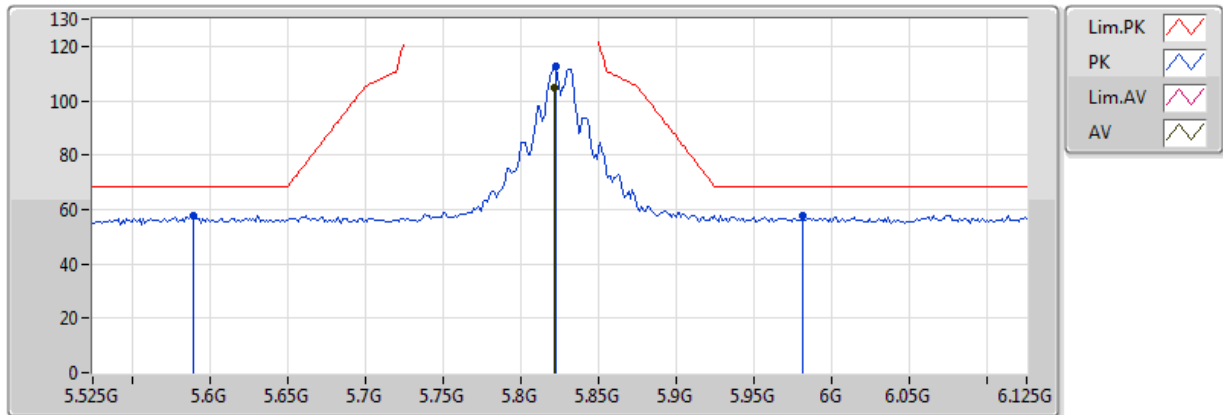


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	51.90	54.00	-2.10	13.49	3	H	342	2.50	-
PK	11.57G	62.65	74.00	-11.35	13.49	3	H	342	2.50	-

802.11a_(6Mbps)_3TX

5825MHz_TX

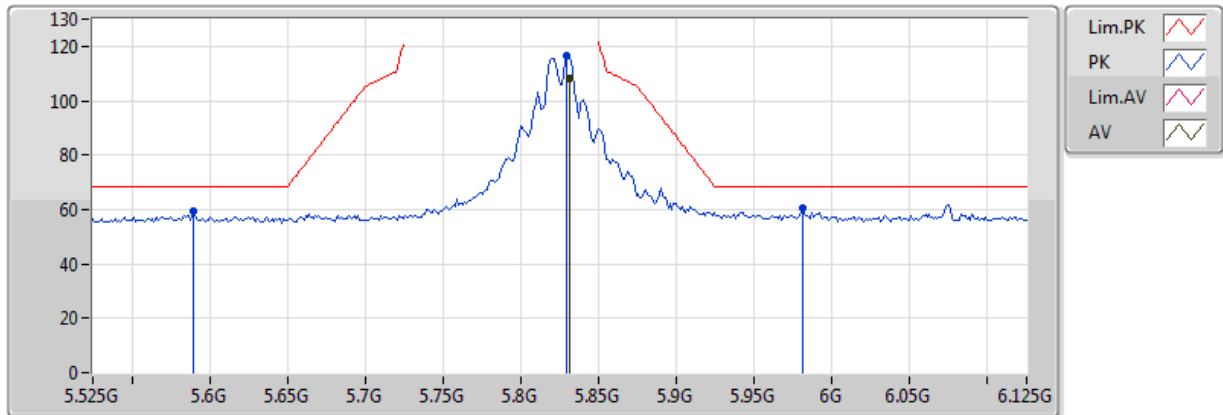


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8214G	104.56	Inf	-Inf	3.53	3	V	353	1.56	-
PK	5.5898G	57.92	68.20	-10.28	3.34	3	V	353	1.56	-
PK	5.8226G	112.49	Inf	-Inf	3.53	3	V	353	1.56	-
PK	5.981G	57.60	68.20	-10.60	3.66	3	V	353	1.56	-

802.11a_(6Mbps)_3TX

5825MHz_TX

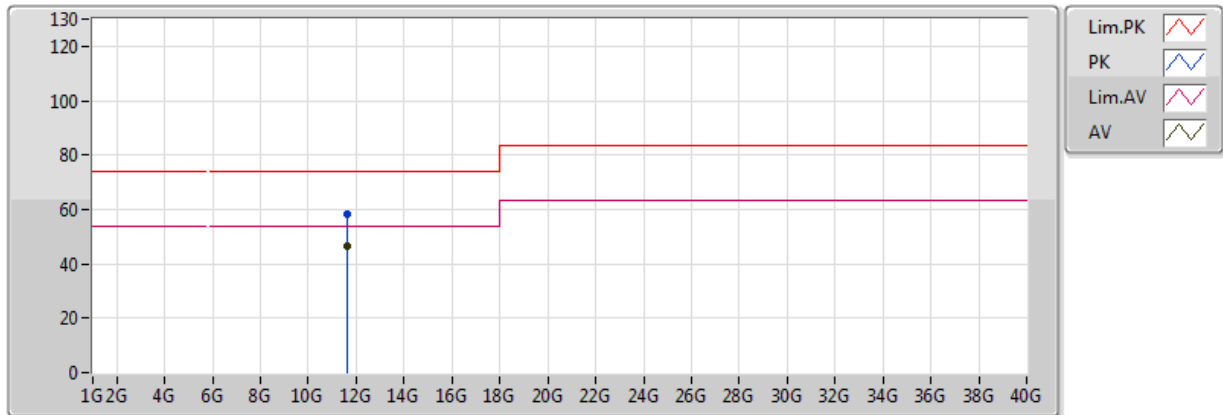


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.831G	108.19	Inf	-Inf	3.54	3	H	14	1.50	-
PK	5.5898G	59.22	68.20	-8.98	3.34	3	H	14	1.50	-
PK	5.8298G	116.35	Inf	-Inf	3.54	3	H	14	1.50	-
PK	5.981G	60.24	68.20	-7.96	3.66	3	H	14	1.50	-

802.11a_(6Mbps)_3TX

5825MHz_TX

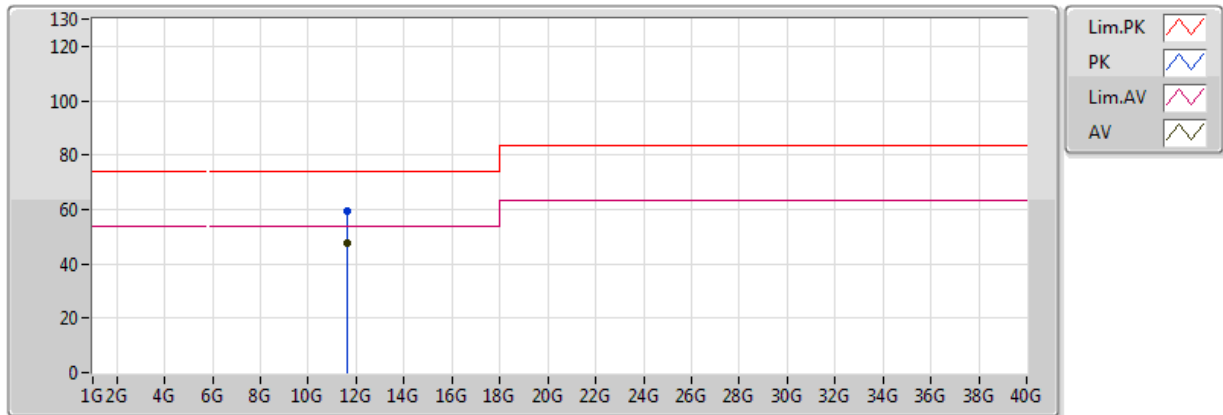


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	46.70	54.00	-7.30	13.35	3	V	333	1.46	-
PK	11.65G	58.17	74.00	-15.83	13.35	3	V	333	1.46	-

802.11a_(6Mbps)_3TX

5825MHz_TX

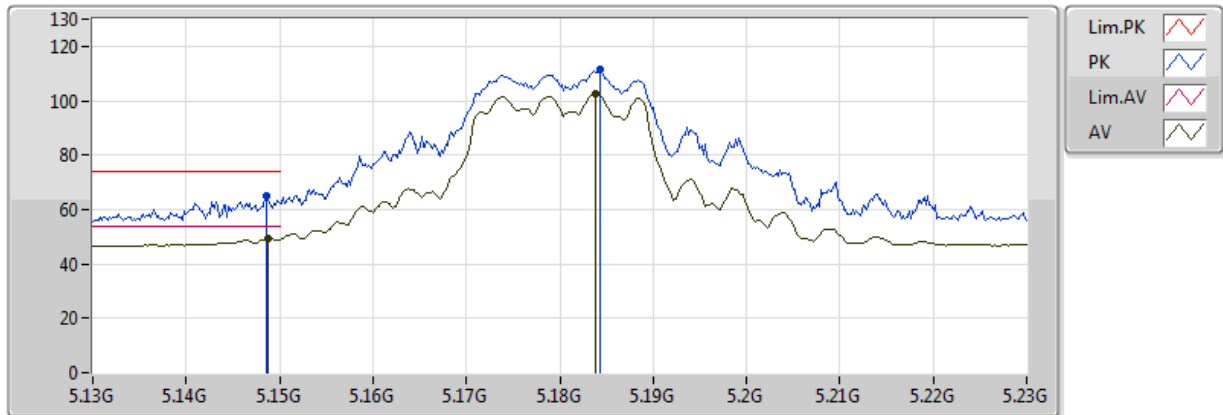


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	47.52	54.00	-6.48	13.35	3	H	273	2.84	-
PK	11.65G	59.22	74.00	-14.78	13.35	3	H	273	2.84	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

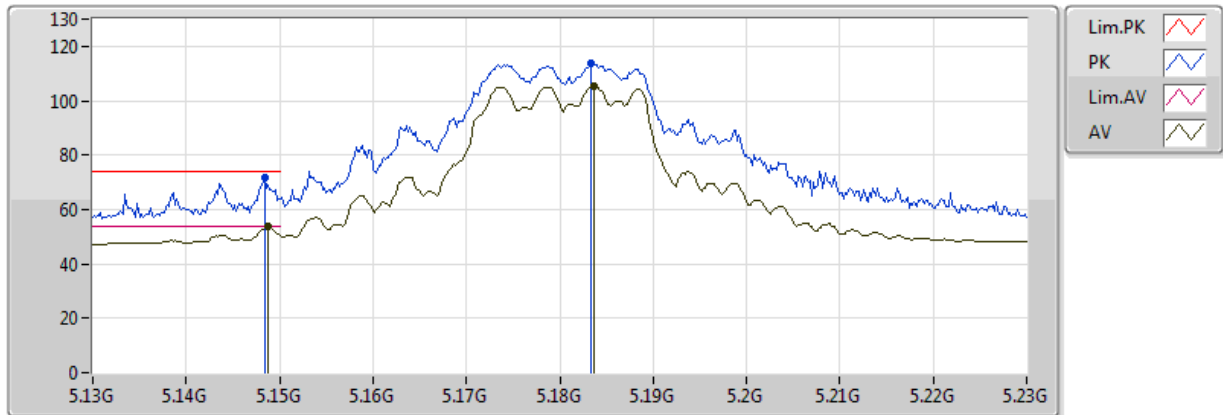


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1488G	49.28	54.00	-4.72	2.90	3	V	313	2.37	-
AV	5.1838G	102.48	Inf	-Inf	2.93	3	V	313	2.37	-
PK	5.1486G	64.84	74.00	-9.16	2.90	3	V	313	2.37	-
PK	5.1844G	111.26	Inf	-Inf	2.93	3	V	313	2.37	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

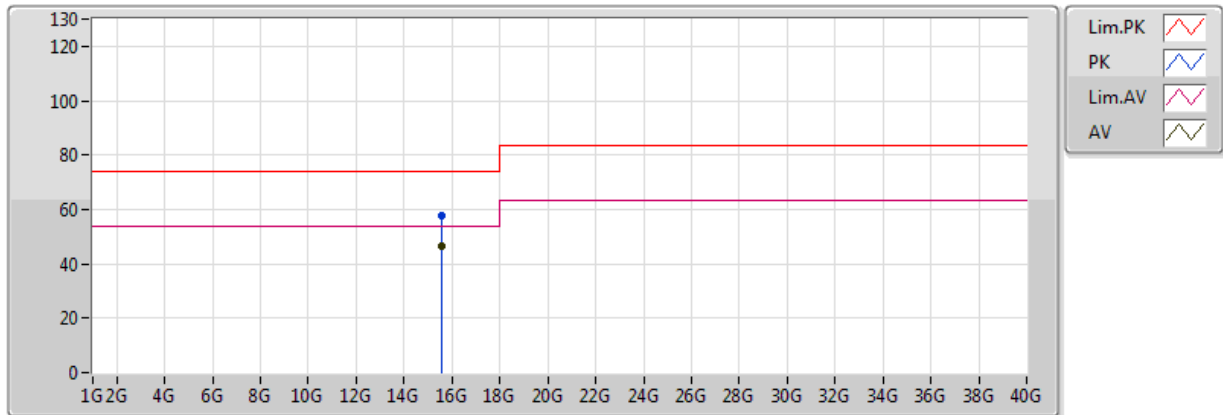


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1488G	53.54	54.00	-0.46	2.90	3	H	283	2.04	-
AV	5.1836G	105.61	Inf	-Inf	2.93	3	H	283	2.04	-
PK	5.1484G	71.98	74.00	-2.02	2.90	3	H	283	2.04	-
PK	5.1834G	113.59	Inf	-Inf	2.93	3	H	283	2.04	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

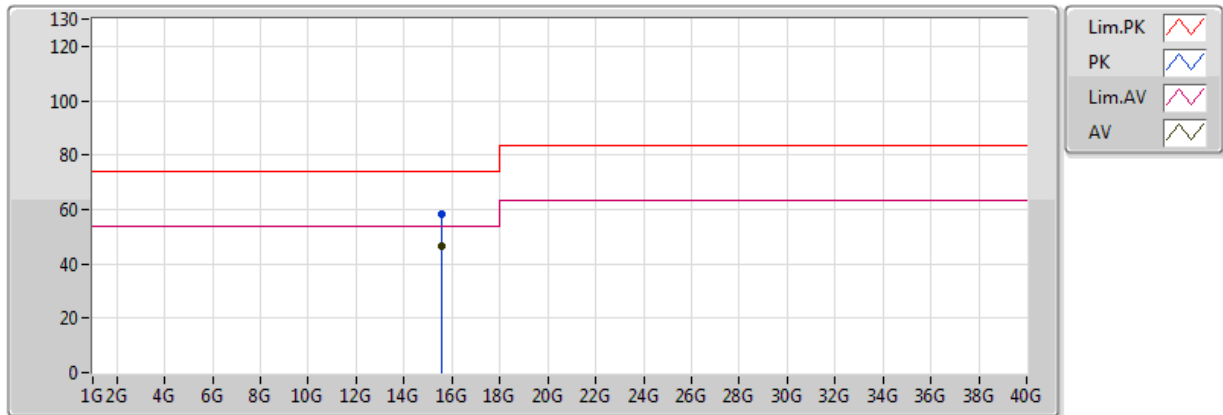


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.54G	46.41	54.00	-7.59	14.65	3	V	0	1.50	-
PK	15.54G	57.74	74.00	-16.26	14.65	3	V	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

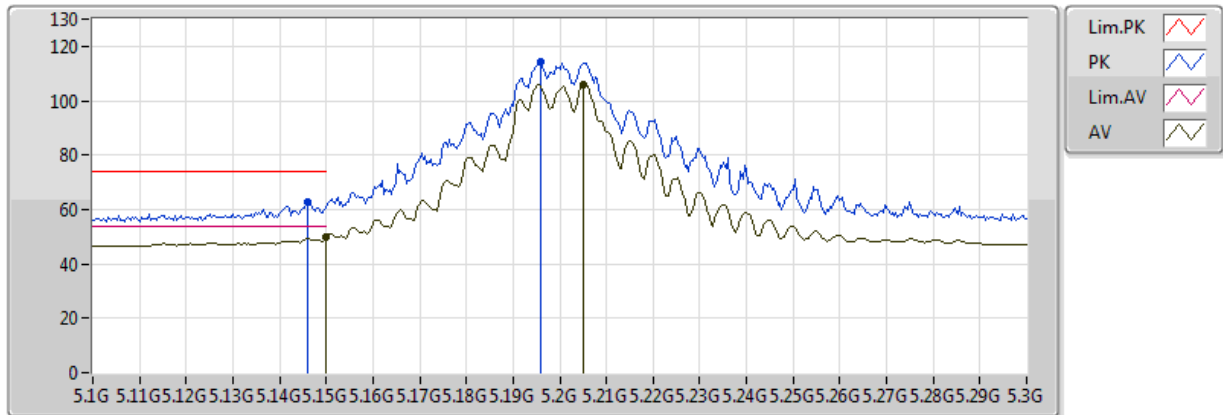


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.54G	46.39	54.00	-7.61	14.65	3	H	360	1.50	-
PK	15.54G	58.12	74.00	-15.88	14.65	3	H	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

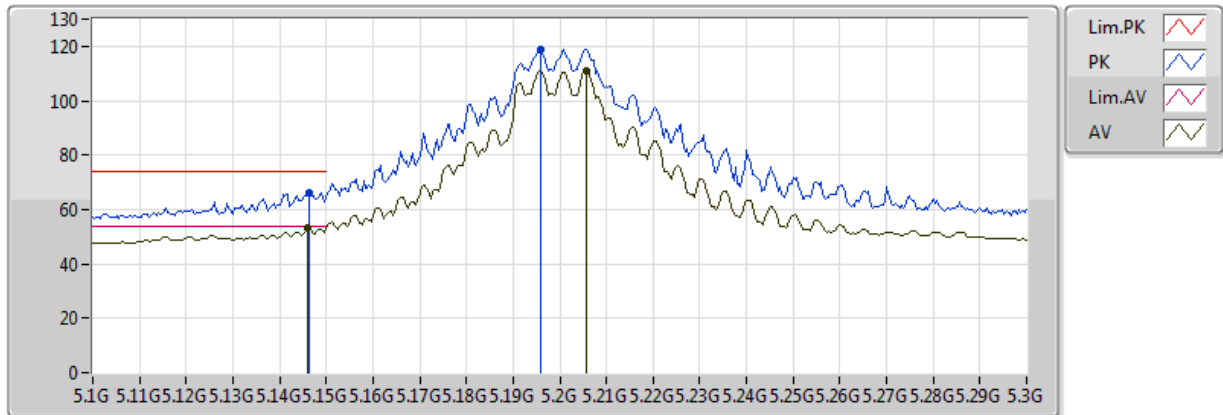


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	50.09	54.00	-3.91	2.90	3	V	304	1.01	-
AV	5.2052G	106.03	Inf	-Inf	2.96	3	V	304	1.01	-
PK	5.146G	62.98	74.00	-11.02	2.90	3	V	304	1.01	-
PK	5.196G	114.05	Inf	-Inf	2.95	3	V	304	1.01	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

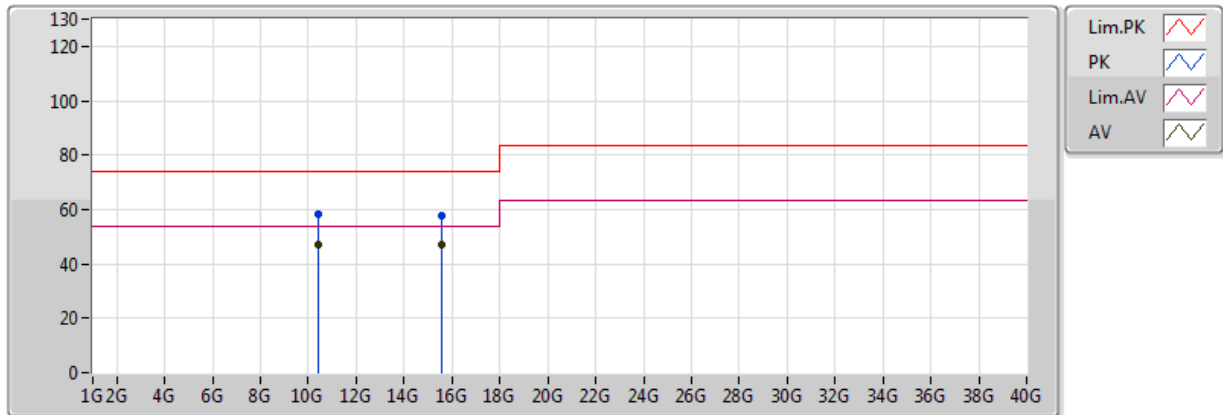


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.146G	53.23	54.00	-0.77	2.90	3	H	268	2.72	-
AV	5.2056G	111.08	Inf	-Inf	2.96	3	H	268	2.72	-
PK	5.1464G	66.22	74.00	-7.78	2.90	3	H	268	2.72	-
PK	5.196G	118.78	Inf	-Inf	2.95	3	H	268	2.72	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

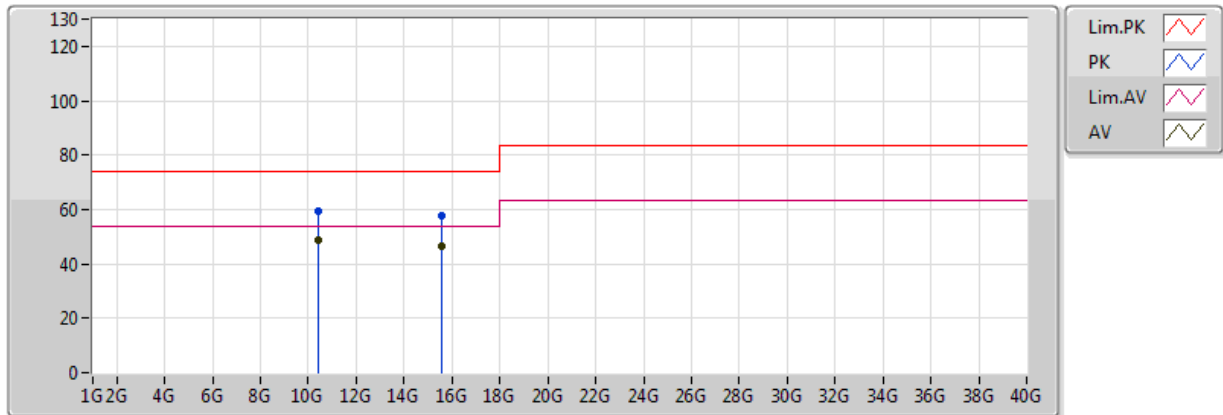


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	46.85	54.00	-7.15	12.89	3	V	321	1.30	-
AV	15.6G	47.07	54.00	-6.93	14.43	3	V	360	1.50	-
PK	10.4G	58.16	74.00	-15.84	12.89	3	V	321	1.30	-
PK	15.6G	57.65	74.00	-16.35	14.43	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

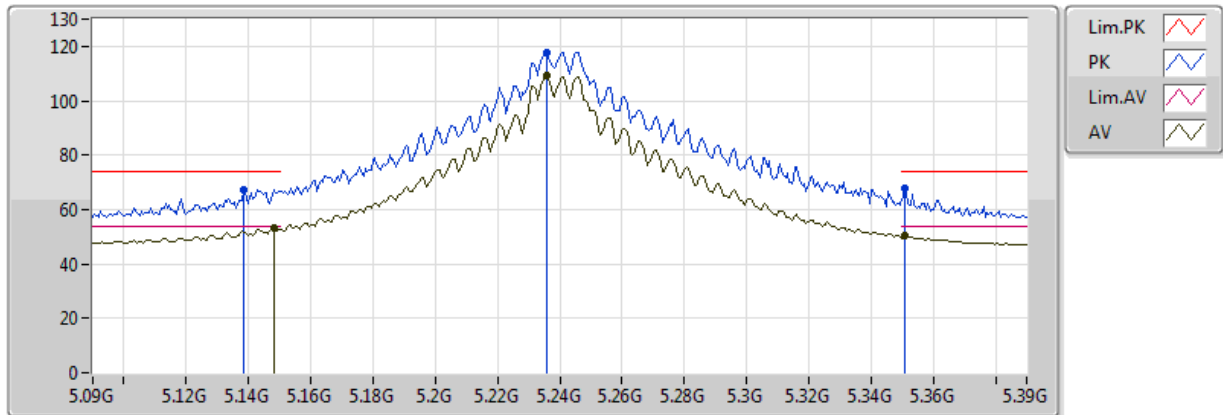


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	48.76	54.00	-5.24	12.89	3	H	360	1.35	-
AV	15.6G	46.78	54.00	-7.22	14.43	3	H	0	1.50	-
PK	10.4G	59.41	74.00	-14.59	12.89	3	H	360	1.35	-
PK	15.6G	57.85	74.00	-16.15	14.43	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

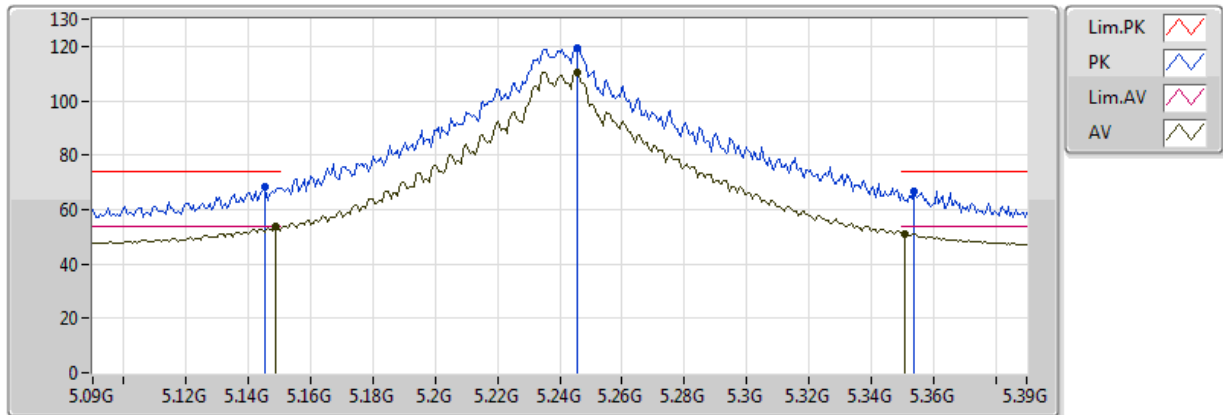


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1482G	53.49	54.00	-0.51	2.90	3	V	1	1.43	-
AV	5.2358G	109.02	Inf	-Inf	2.99	3	V	1	1.43	-
AV	5.351G	50.16	54.00	-3.84	3.11	3	V	1	1.43	-
PK	5.1386G	67.51	74.00	-6.49	2.89	3	V	1	1.43	-
PK	5.2358G	117.80	Inf	-Inf	2.99	3	V	1	1.43	-
PK	5.351G	67.64	74.00	-6.36	3.11	3	V	1	1.43	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

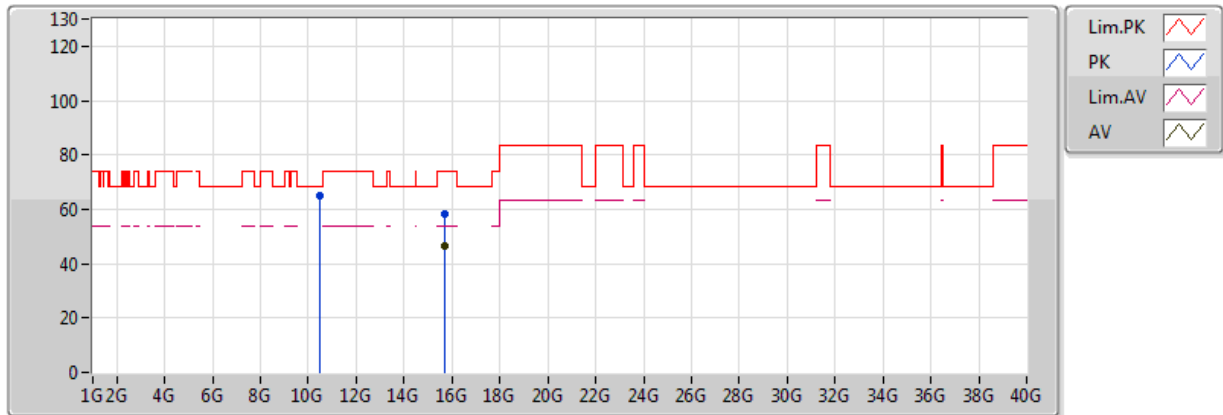


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1488G	53.64	54.00	-0.36	2.90	3	H	22	1.49	-
AV	5.2454G	110.43	Inf	-Inf	3.00	3	H	22	1.49	-
AV	5.351G	50.94	54.00	-3.06	3.11	3	H	22	1.49	-
PK	5.1452G	68.23	74.00	-5.77	2.90	3	H	22	1.49	-
PK	5.2454G	119.38	Inf	-Inf	3.00	3	H	22	1.49	-
PK	5.354G	66.90	74.00	-7.10	3.11	3	H	22	1.49	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

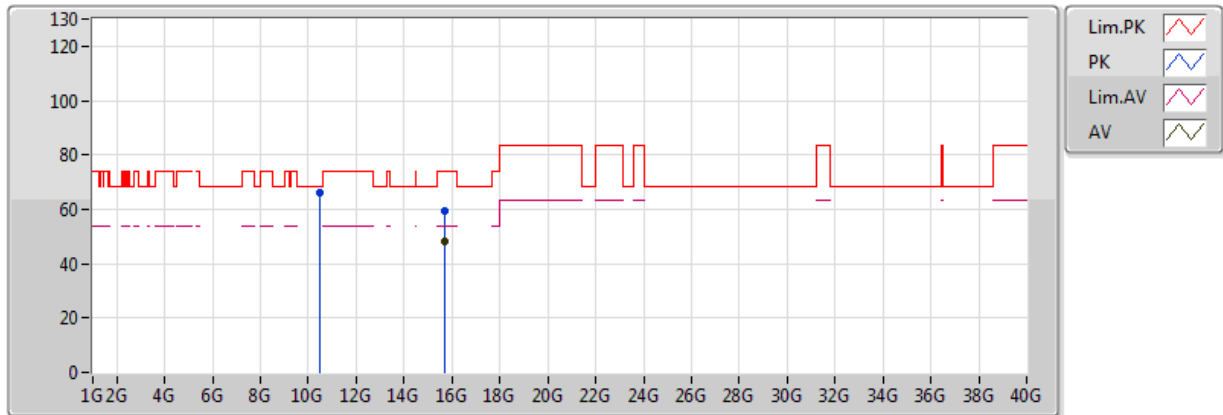


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.72G	46.69	54.00	-7.31	13.99	3	V	0	1.50	-
PK	10.48G	65.04	68.20	-3.16	13.10	3	V	43	1.50	-
PK	15.72G	58.51	74.00	-15.49	13.99	3	V	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

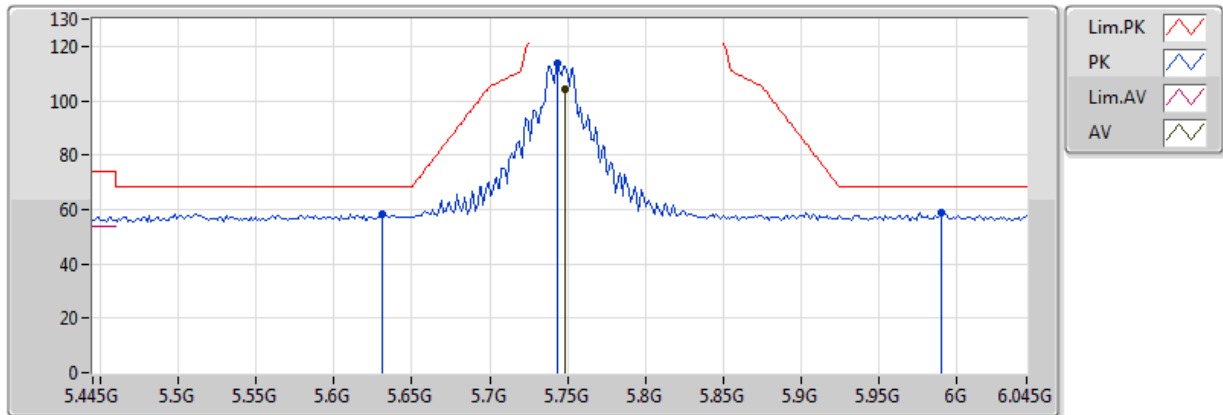


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.72G	48.29	54.00	-5.71	13.99	3	H	57	1.44	-
PK	10.48G	66.02	68.20	-2.18	13.10	3	H	36	2.21	-
PK	15.72G	59.57	74.00	-14.43	13.99	3	H	57	1.44	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

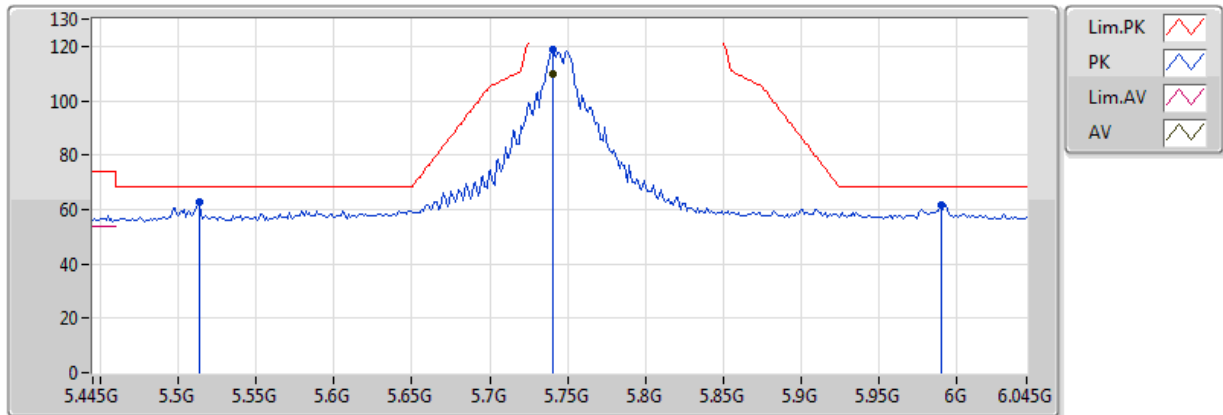


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7486G	104.27	Inf	-Inf	3.47	3	V	347	1.09	-
PK	5.631G	58.51	68.20	-9.69	3.38	3	V	347	1.09	-
PK	5.7438G	113.50	Inf	-Inf	3.47	3	V	347	1.09	-
PK	5.9898G	58.74	68.20	-9.46	3.67	3	V	347	1.09	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

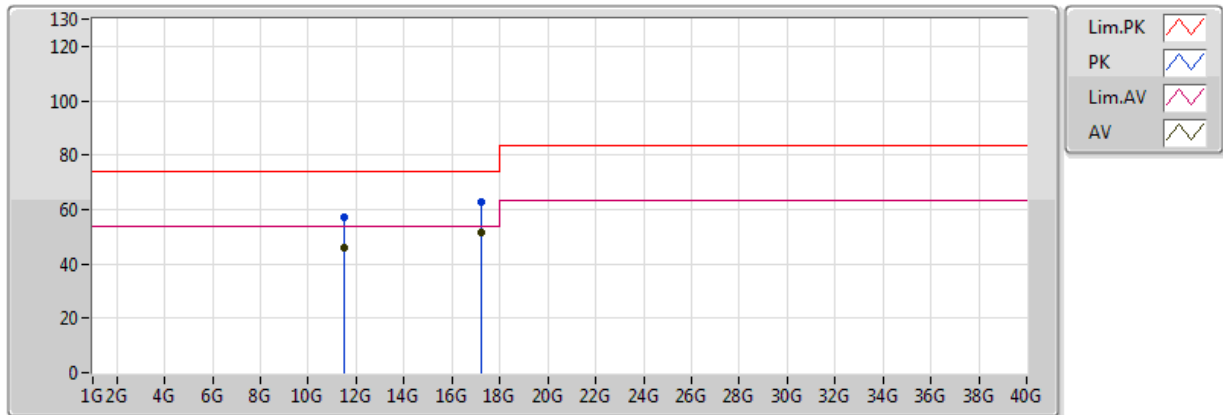


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	5.7402G	118.75	Inf	-Inf	3.47	3	H	304	2.23	-
PK	5.5134G	62.53	68.20	-5.67	3.28	3	H	304	2.23	-
PK	5.9898G	61.79	68.20	-6.41	3.67	3	H	304	2.23	-
AV	5.7402G	109.58	Inf	-Inf	3.47	3	H	304	2.23	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

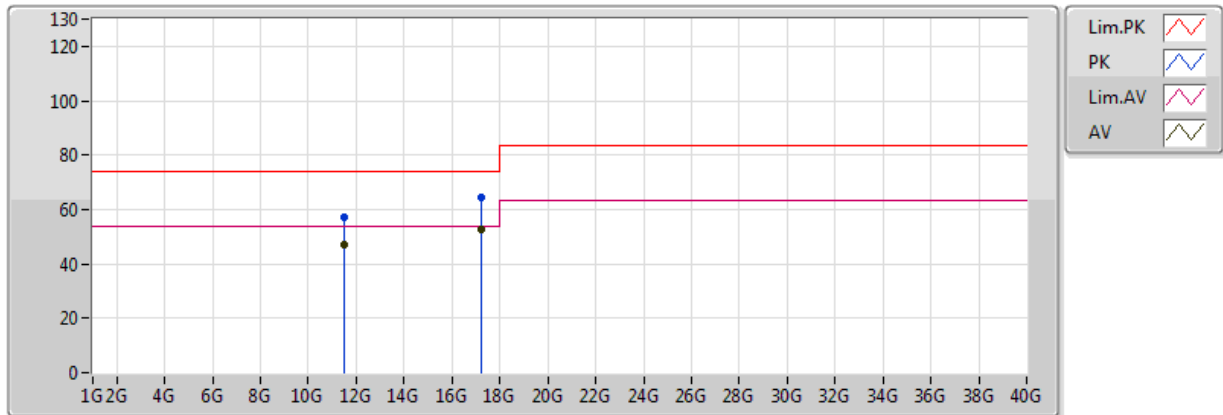


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	45.98	54.00	-8.02	13.63	3	V	360	1.50	-
AV	17.235G	51.63	54.00	-2.37	18.05	3	V	41	1.25	-
PK	11.49G	56.95	74.00	-17.05	13.63	3	V	360	1.50	-
PK	17.235G	62.51	74.00	-11.49	18.05	3	V	41	1.25	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

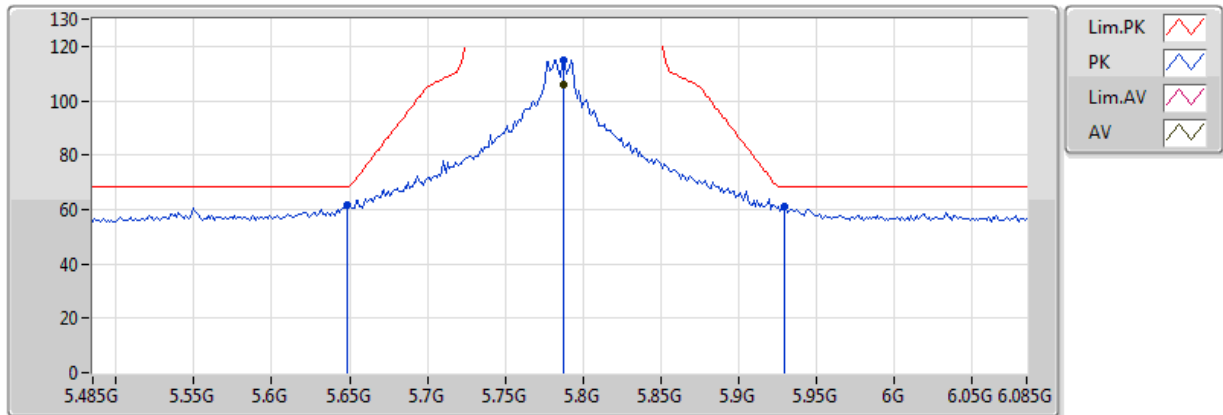


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	46.98	54.00	-7.02	13.63	3	H	0	1.50	-
AV	17.235G	52.51	54.00	-1.49	18.05	3	H	10	1.12	-
PK	11.49G	57.20	74.00	-16.80	13.63	3	H	0	1.50	-
PK	17.235G	64.54	74.00	-9.46	18.05	3	H	10	1.12	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

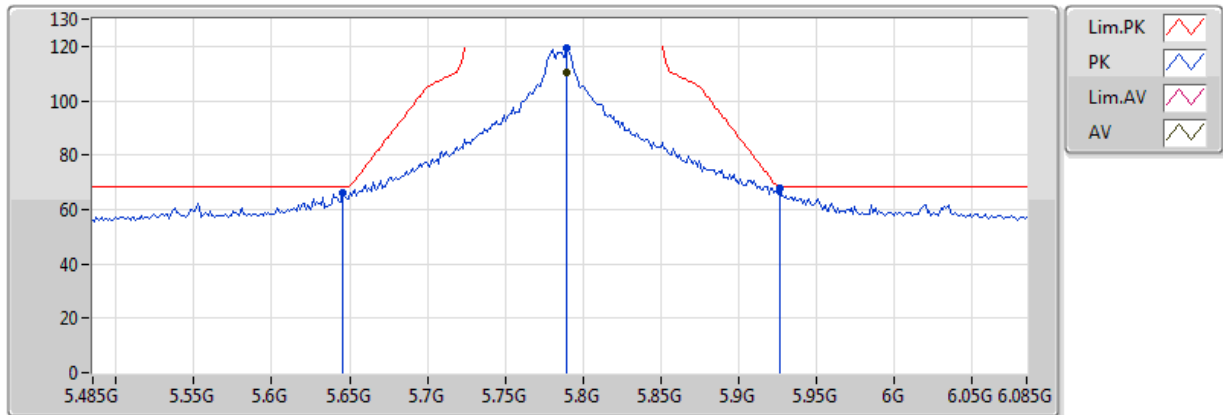


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7874G	105.95	Inf	-Inf	3.50	3	H	331	1.43	-
PK	5.6482G	61.51	68.20	-6.69	3.39	3	H	331	1.43	-
PK	5.7874G	114.96	Inf	-Inf	3.50	3	H	331	1.43	-
PK	5.929G	61.21	68.20	-6.99	3.62	3	H	331	1.43	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

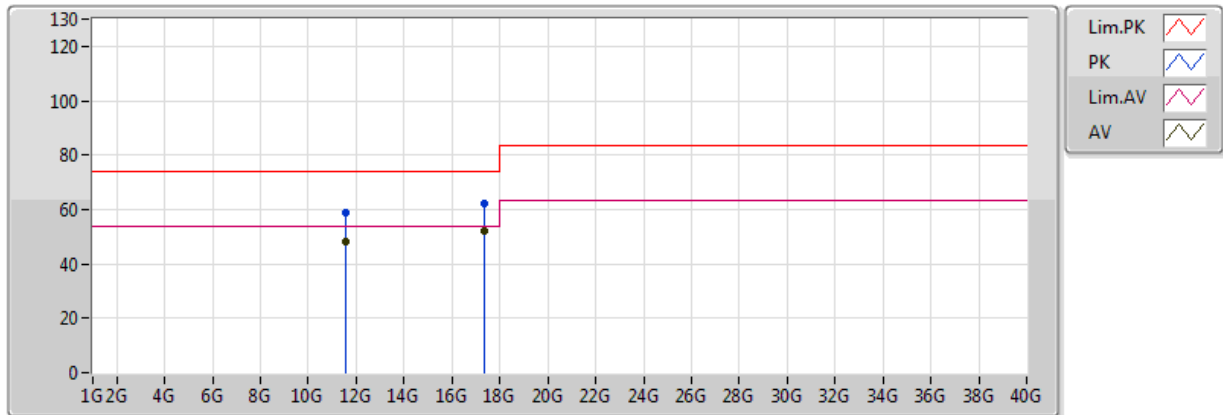


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7898G	110.11	Inf	-Inf	3.50	3	H	299	2.13	-
PK	5.6458G	66.30	68.20	-1.90	3.39	3	H	299	2.13	-
PK	5.7898G	119.43	Inf	-Inf	3.50	3	H	299	2.13	-
PK	5.9266G	67.56	68.20	-0.64	3.62	3	H	299	2.13	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

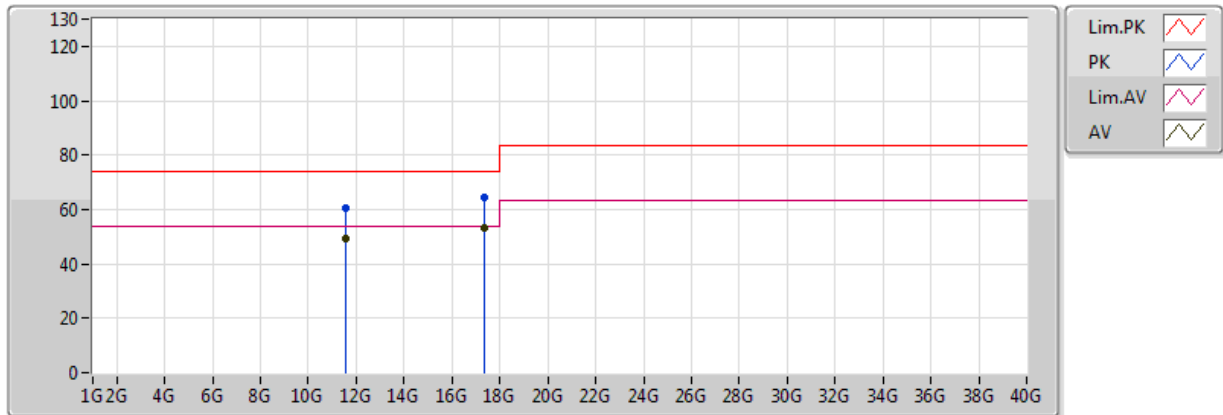


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	48.45	54.00	-5.55	13.49	3	V	48	1.37	-
AV	17.355G	52.16	54.00	-1.84	18.95	3	V	34	1.50	-
PK	11.57G	58.68	74.00	-15.32	13.49	3	V	48	1.37	-
PK	17.355G	62.33	74.00	-11.67	18.95	3	V	34	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

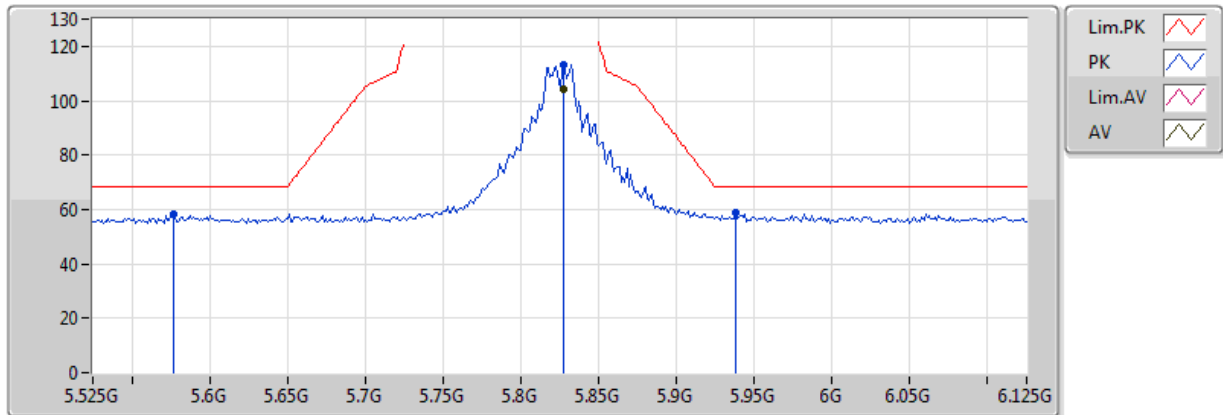


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	49.44	54.00	-4.56	13.49	3	H	21	1.29	-
AV	17.355G	53.16	54.00	-0.84	18.95	3	H	9	1.02	-
PK	11.57G	60.37	74.00	-13.63	13.49	3	H	21	1.29	-
PK	17.355G	64.71	74.00	-9.29	18.95	3	H	9	1.02	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

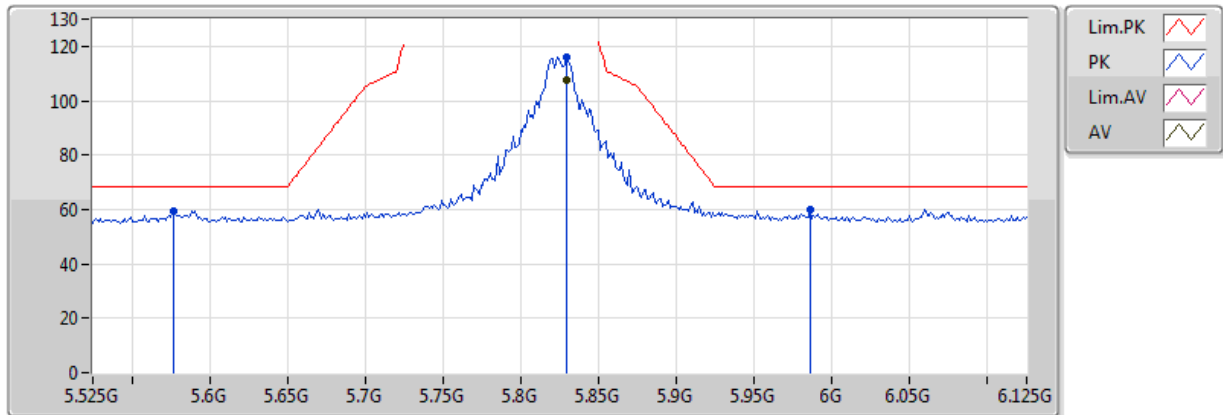


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8274G	104.41	Inf	-Inf	3.53	3	V	322	1.02	-
PK	5.5766G	58.39	68.20	-9.81	3.33	3	V	322	1.02	-
PK	5.8274G	113.01	Inf	-Inf	3.53	3	V	322	1.02	-
PK	5.9378G	58.61	68.20	-9.59	3.63	3	V	322	1.02	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

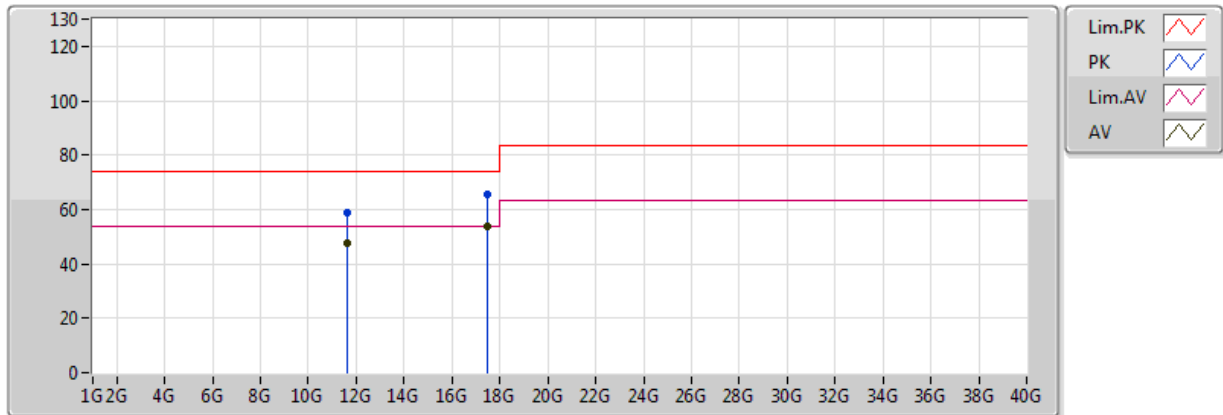


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8298G	107.71	Inf	-Inf	3.54	3	H	298	2.08	-
PK	5.5766G	59.22	68.20	-8.98	3.33	3	H	298	2.08	-
PK	5.8298G	115.85	Inf	-Inf	3.54	3	H	298	2.08	-
PK	5.9858G	59.68	68.20	-8.52	3.67	3	H	298	2.08	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

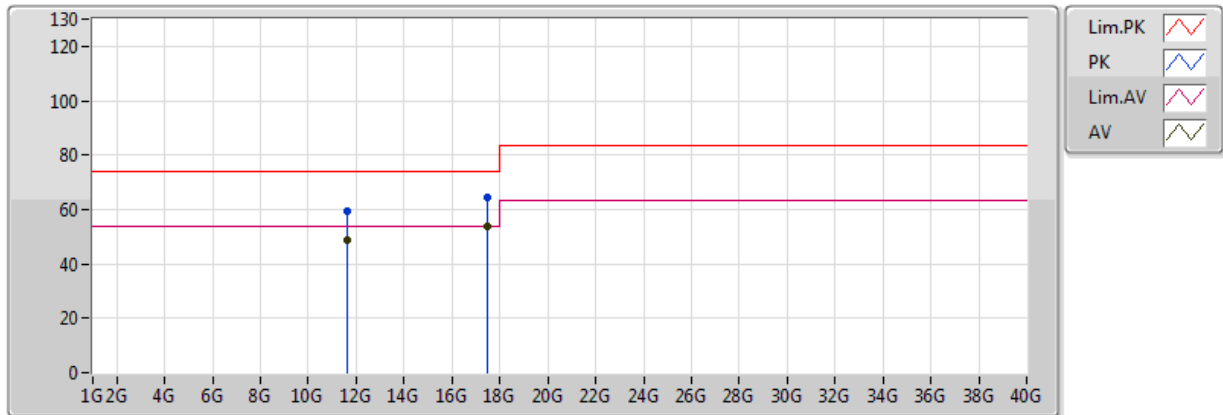


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	47.80	54.00	-6.20	13.35	3	V	48	1.32	-
AV	17.475G	53.71	54.00	-0.29	19.85	3	V	6	1.11	-
PK	11.65G	59.09	74.00	-14.91	13.35	3	V	48	1.32	-
PK	17.475G	65.68	74.00	-8.32	19.85	3	V	6	1.11	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

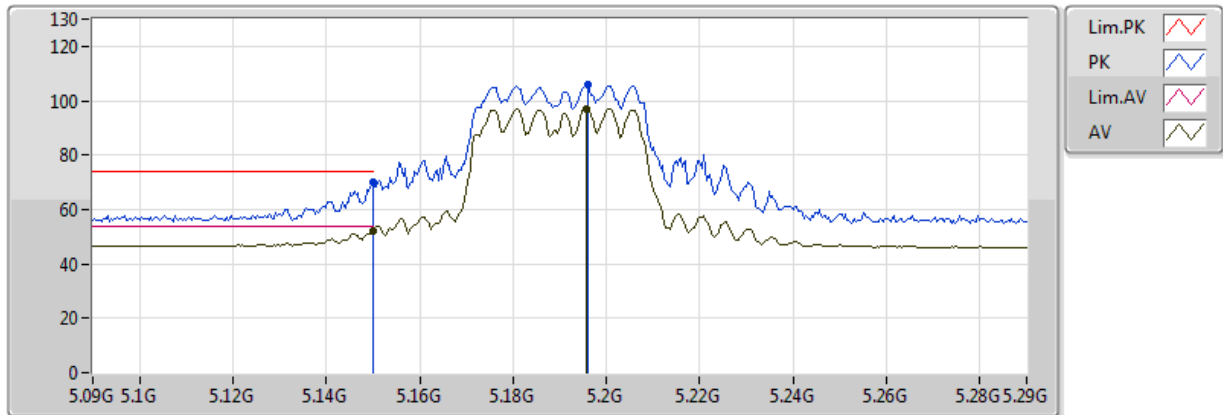


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	48.83	54.00	-5.17	13.35	3	H	19	1.12	-
AV	17.475G	53.77	54.00	-0.23	19.85	3	H	7	1.50	-
PK	11.65G	59.52	74.00	-14.48	13.35	3	H	19	1.12	-
PK	17.475G	64.59	74.00	-9.41	19.85	3	H	7	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

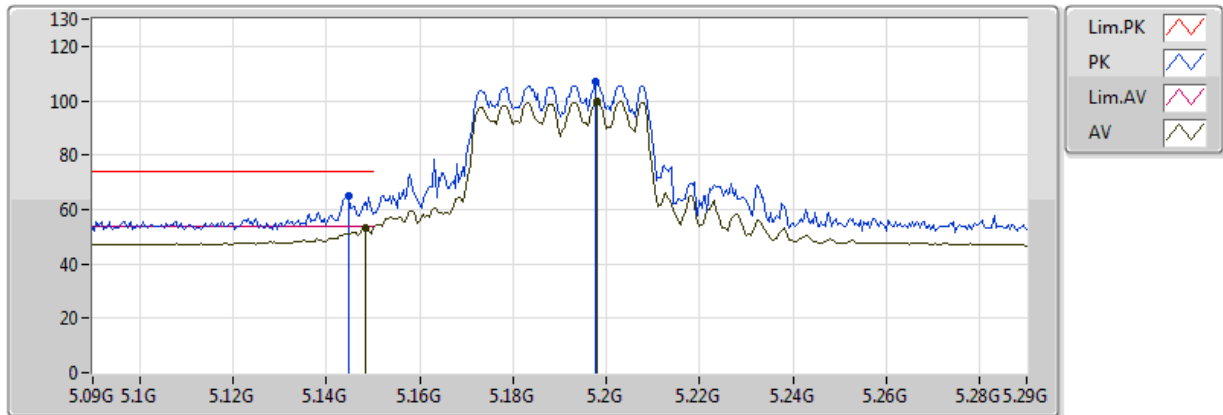


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.01	54.00	-1.99	2.90	3	V	358	1.50	-
AV	5.1956G	97.08	Inf	-Inf	2.95	3	V	358	1.50	-
PK	5.149995G	70.31	74.00	-3.69	2.90	3	V	358	1.50	-
PK	5.196G	105.87	Inf	-Inf	2.95	3	V	358	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

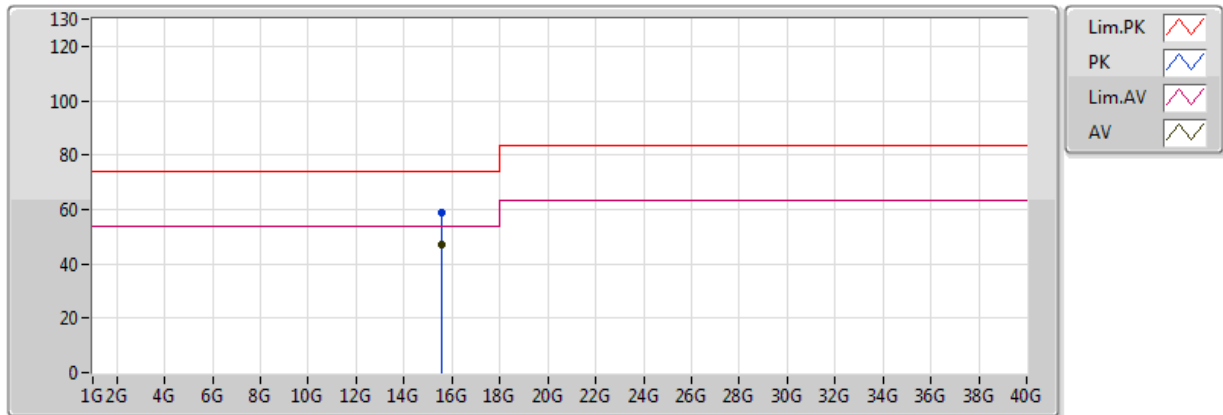


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1484G	53.33	54.00	-0.67	2.90	3	H	18	2.12	-
AV	5.198G	99.93	Inf	-Inf	2.95	3	H	18	2.12	-
PK	5.1448G	65.19	74.00	-8.81	2.89	3	H	18	2.12	-
PK	5.1976G	107.25	Inf	-Inf	2.95	3	H	18	2.12	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

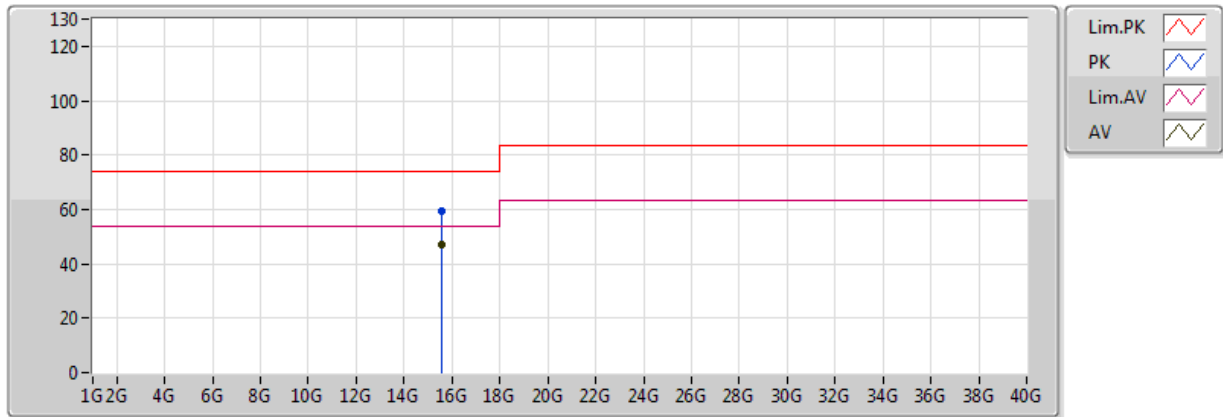


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.57G	47.19	54.00	-6.81	14.54	3	V	360	1.50	-
PK	15.57G	59.11	74.00	-14.89	14.54	3	V	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

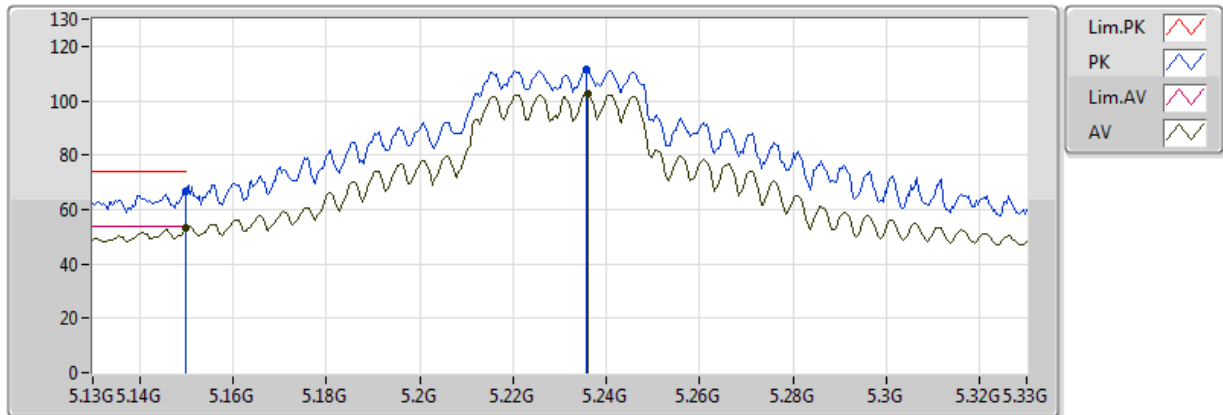


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.57G	47.23	54.00	-6.77	14.54	3	H	0	1.50	-
PK	15.57G	59.20	74.00	-14.80	14.54	3	H	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

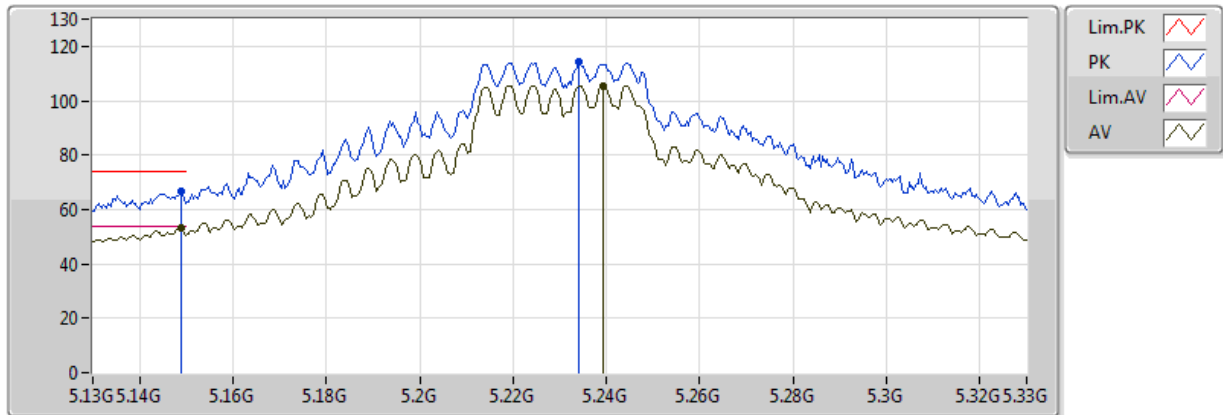


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.04	54.00	-0.96	2.90	3	V	355	1.43	-
AV	5.236G	102.39	Inf	-Inf	2.99	3	V	355	1.43	-
PK	5.149995G	66.80	74.00	-7.20	2.90	3	V	355	1.43	-
PK	5.2356G	111.28	Inf	-Inf	2.99	3	V	355	1.43	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

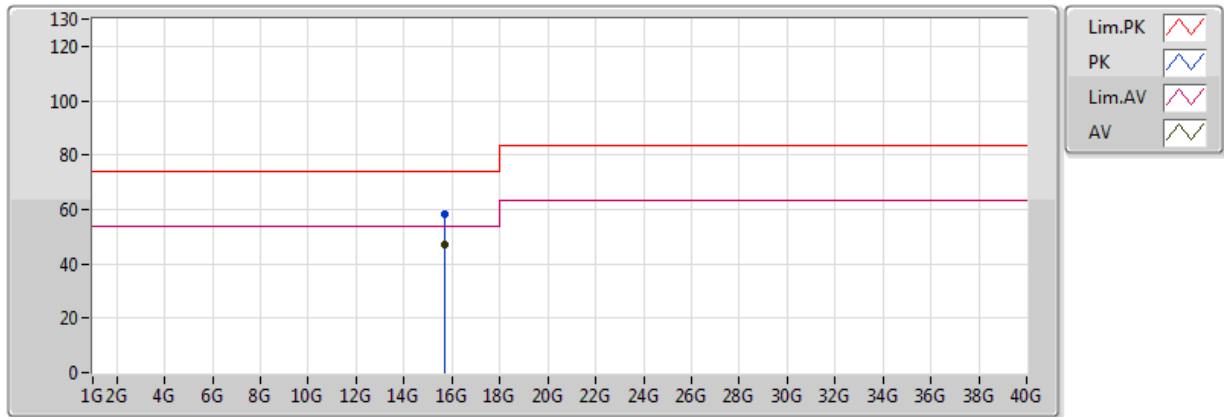


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1488G	53.31	54.00	-0.69	2.90	3	H	342	2.02	-
AV	5.2392G	105.61	Inf	-Inf	2.99	3	H	342	2.02	-
PK	5.1488G	66.42	74.00	-7.58	2.90	3	H	342	2.02	-
PK	5.234G	114.40	Inf	-Inf	2.99	3	H	342	2.02	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

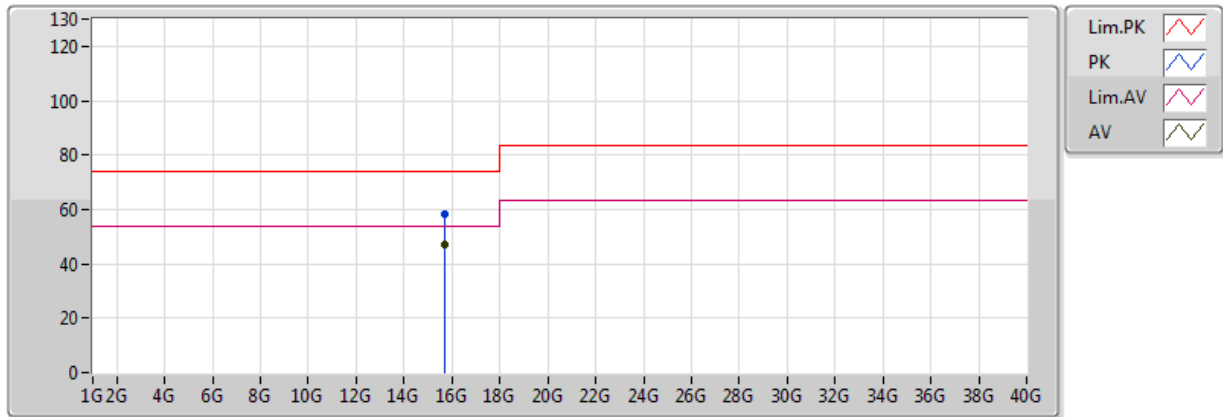


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.69G	47.04	54.00	-6.96	14.10	3	V	0	1.50	-
PK	15.69G	58.44	74.00	-15.56	14.10	3	V	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

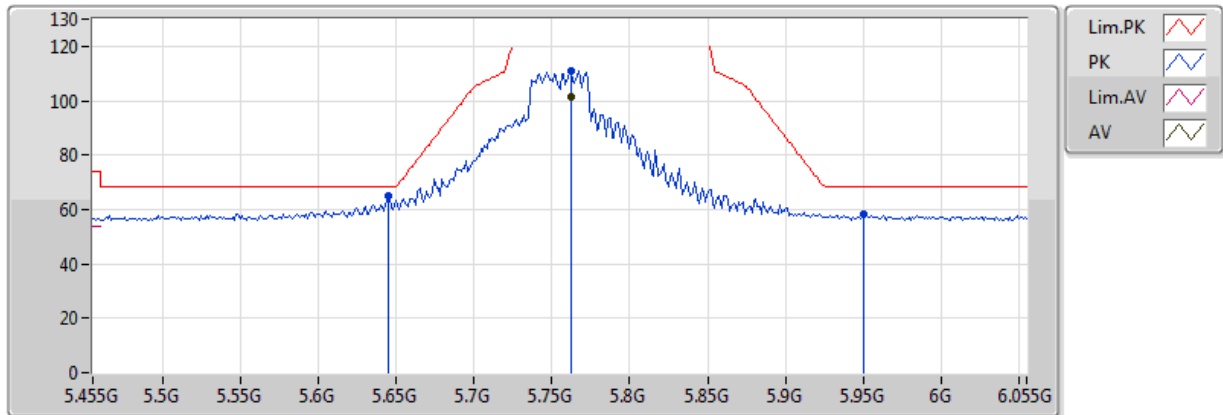


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.69G	47.20	54.00	-6.80	14.10	3	H	360	1.50	-
PK	15.69G	58.39	74.00	-15.61	14.10	3	H	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

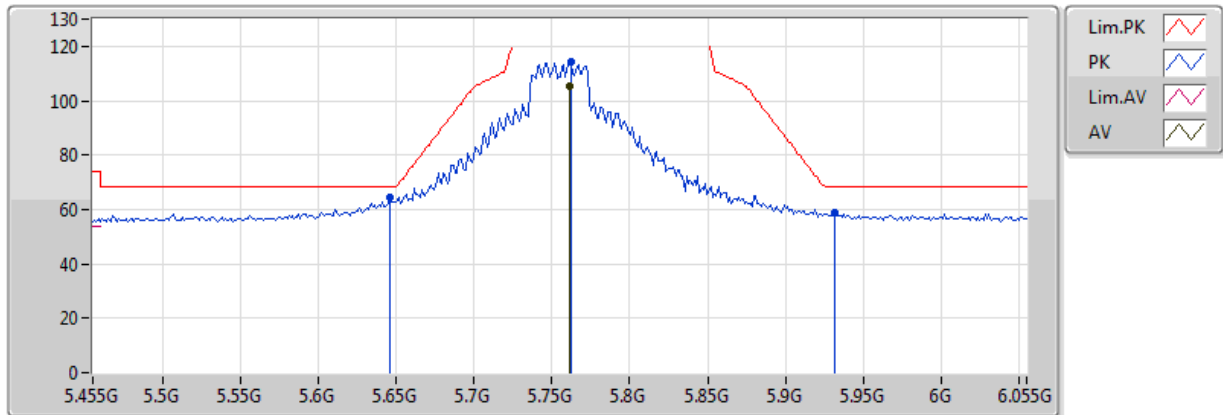


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7622G	101.63	Inf	-Inf	3.48	3	V	338	1.33	-
PK	5.6446G	64.72	68.20	-3.48	3.39	3	V	338	1.33	-
PK	5.7622G	111.00	Inf	-Inf	3.48	3	V	338	1.33	-
PK	5.9506G	58.09	68.20	-10.11	3.64	3	V	338	1.33	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

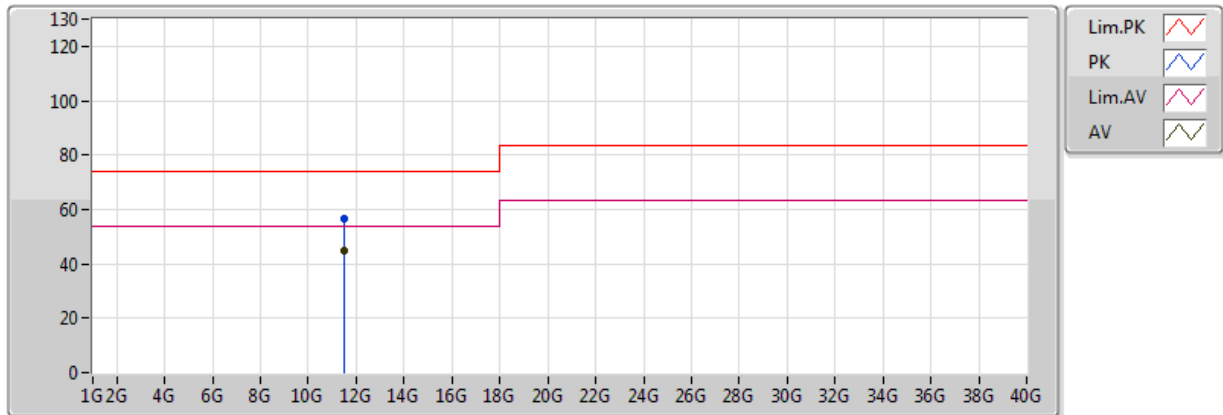


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.761G	105.16	Inf	-Inf	3.48	3	H	316	1.49	-
PK	5.6458G	64.32	68.20	-3.88	3.39	3	H	316	1.49	-
PK	5.7622G	114.38	Inf	-Inf	3.48	3	H	316	1.49	-
PK	5.9314G	58.63	68.20	-9.57	3.63	3	H	316	1.49	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

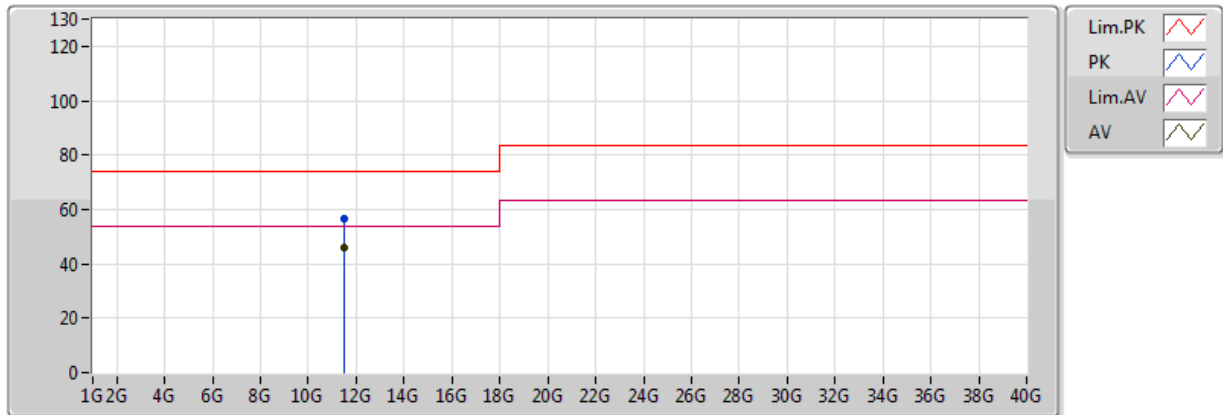


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.51G	44.92	54.00	-9.08	13.59	3	V	360	1.50	-
PK	11.51G	56.48	74.00	-17.52	13.59	3	V	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

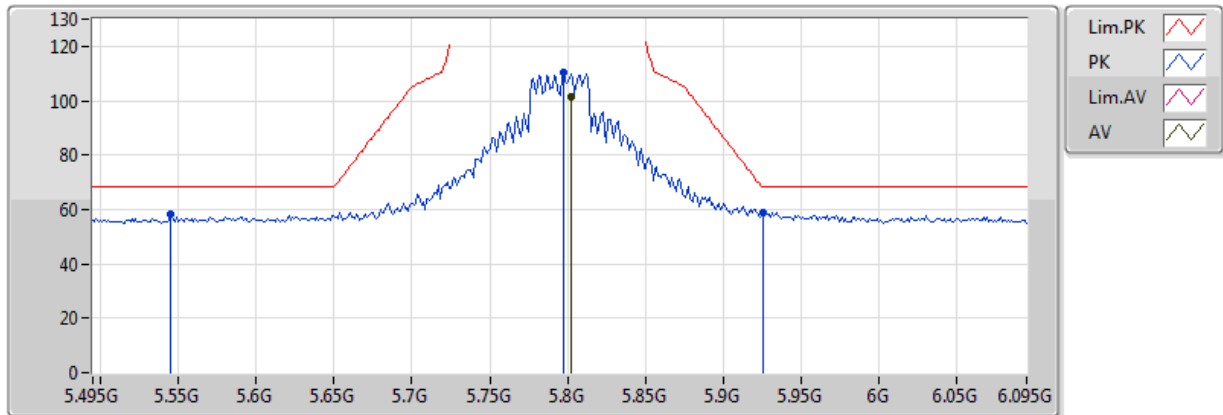


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.51G	46.08	54.00	-7.92	13.59	3	H	0	1.50	-
PK	11.51G	56.64	74.00	-17.36	13.59	3	H	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

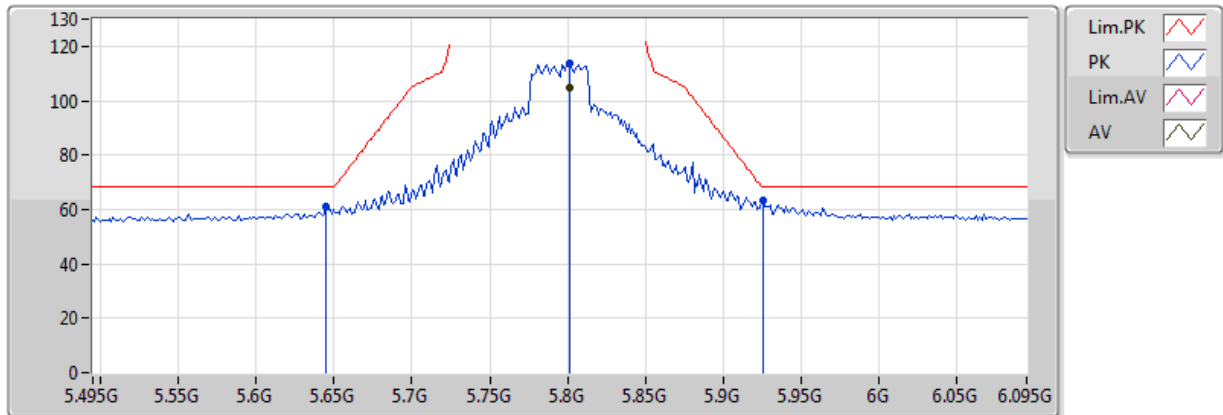


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8022G	101.61	Inf	-Inf	3.51	3	V	335	1.33	-
PK	5.5454G	58.32	68.20	-9.88	3.31	3	V	335	1.33	-
PK	5.7974G	110.12	Inf	-Inf	3.51	3	V	335	1.33	-
PK	5.9258G	58.87	68.20	-9.33	3.62	3	V	335	1.33	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

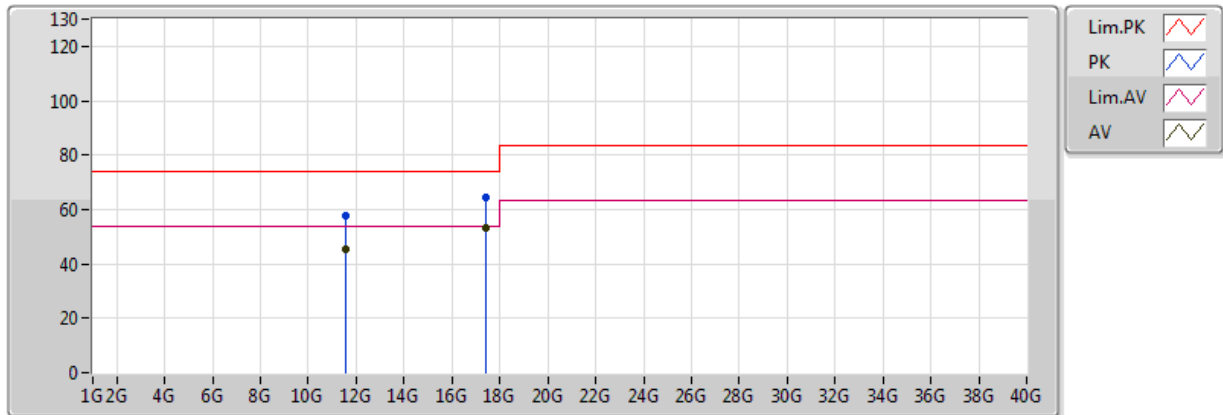


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.801G	104.92	Inf	-Inf	3.51	3	H	316	1.73	-
PK	5.645G	60.95	68.20	-7.25	3.39	3	H	316	1.73	-
PK	5.801G	113.64	Inf	-Inf	3.51	3	H	316	1.73	-
PK	5.9258G	63.30	68.20	-4.90	3.62	3	H	316	1.73	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

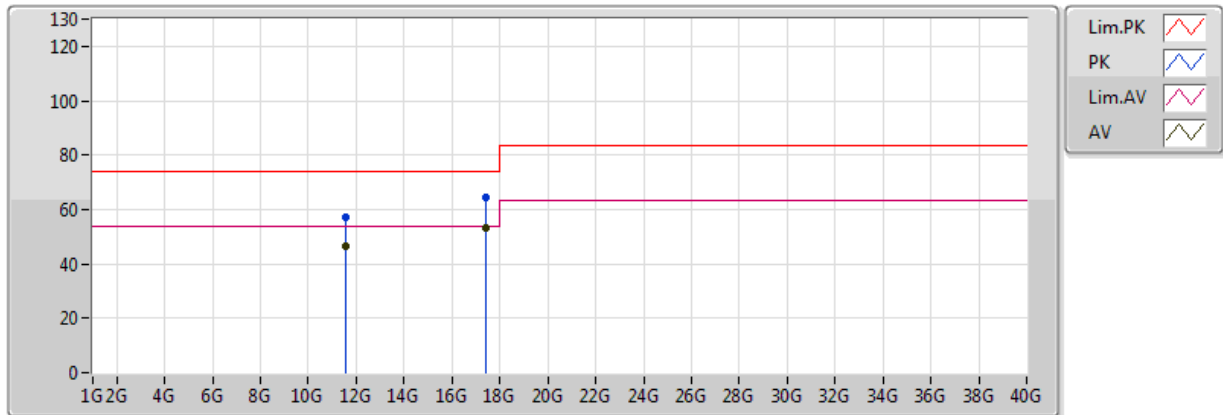


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.59G	45.57	54.00	-8.43	13.46	3	V	0	1.50	-
AV	17.385G	53.13	54.00	-0.87	19.18	3	V	8	1.13	-
PK	11.59G	57.57	74.00	-16.43	13.46	3	V	0	1.50	-
PK	17.385G	64.38	74.00	-9.62	19.18	3	V	8	1.13	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

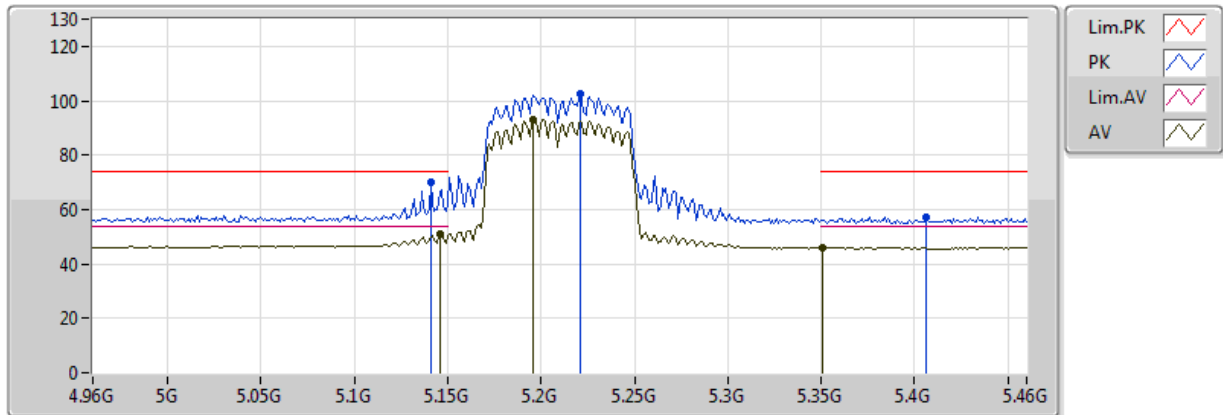


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.59G	46.34	54.00	-7.66	13.46	3	H	360	1.50	-
AV	17.385G	53.32	54.00	-0.68	19.18	3	H	10	1.38	-
PK	11.59G	56.91	74.00	-17.09	13.46	3	H	360	1.50	-
PK	17.385G	64.57	74.00	-9.43	19.18	3	H	10	1.38	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

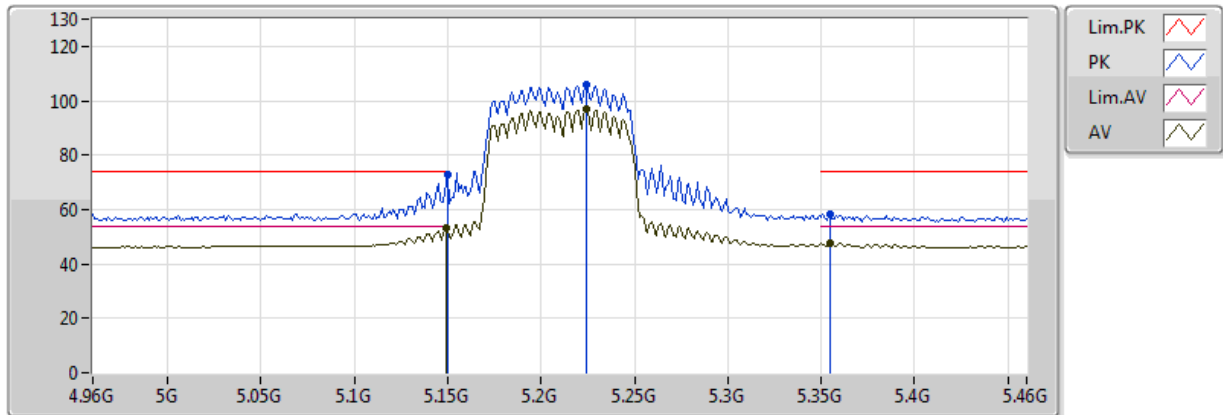


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.146G	51.15	54.00	-2.85	2.90	3	V	350	1.50	-
AV	5.196G	93.18	Inf	-Inf	2.95	3	V	350	1.50	-
AV	5.351G	46.13	54.00	-7.87	3.11	3	V	350	1.50	-
PK	5.141G	69.89	74.00	-4.11	2.89	3	V	350	1.50	-
PK	5.221G	102.54	Inf	-Inf	2.97	3	V	350	1.50	-
PK	5.406G	57.20	74.00	-16.80	3.17	3	V	350	1.50	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

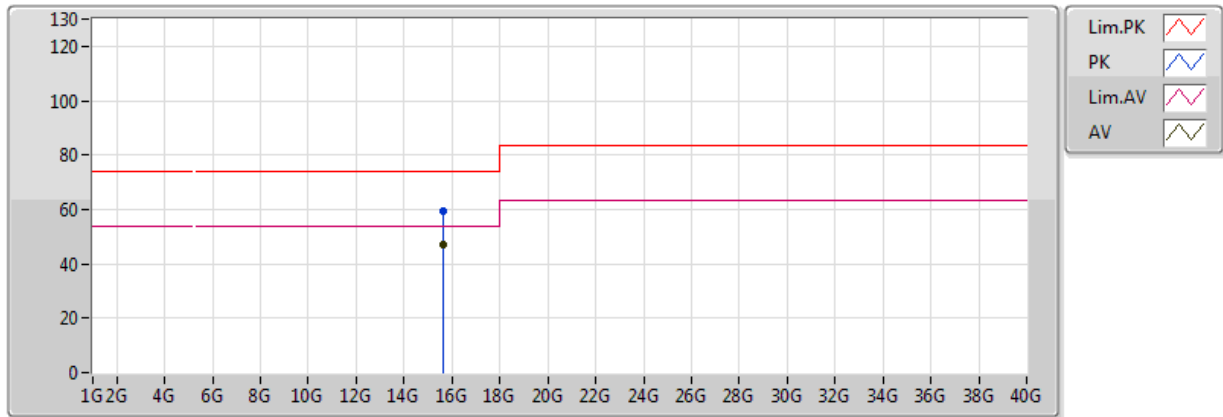


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149G	53.50	54.00	-0.50	2.90	3	H	340	2.14	-
AV	5.224G	96.94	Inf	-Inf	2.98	3	H	340	2.14	-
AV	5.355G	47.50	54.00	-6.50	3.11	3	H	340	2.14	-
PK	5.149995G	72.86	74.00	-1.14	2.90	3	H	340	2.14	-
PK	5.224G	106.03	Inf	-Inf	2.98	3	H	340	2.14	-
PK	5.355G	58.31	74.00	-15.69	3.11	3	H	340	2.14	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

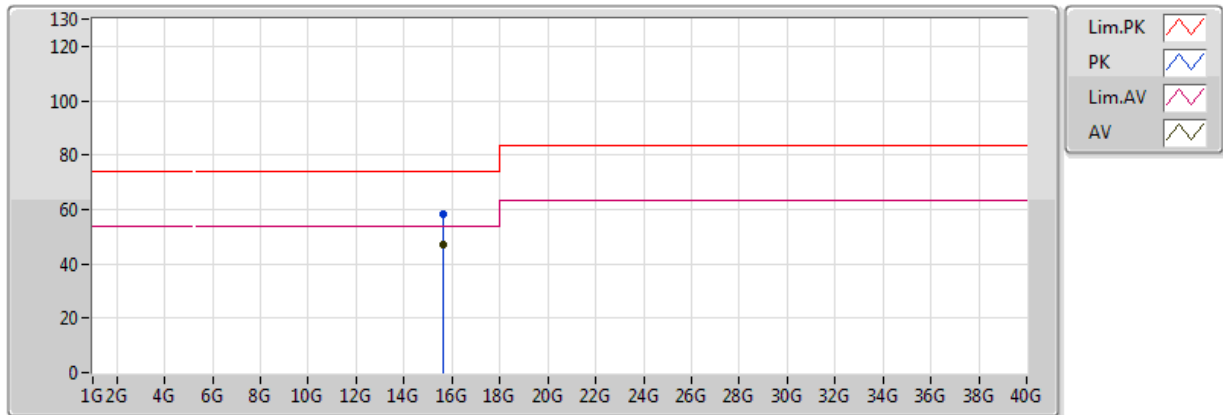


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.63G	47.07	54.00	-6.93	14.32	3	V	360	1.50	-
PK	15.63G	59.17	74.00	-14.83	14.32	3	V	360	1.50	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

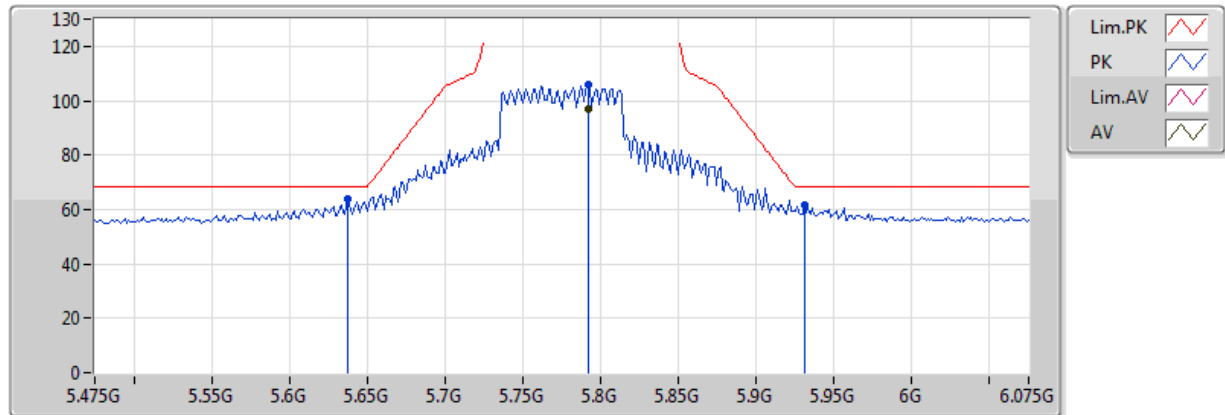


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.63G	47.05	54.00	-6.95	14.32	3	H	0	1.50	-
PK	15.63G	58.40	74.00	-15.60	14.32	3	H	0	1.50	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

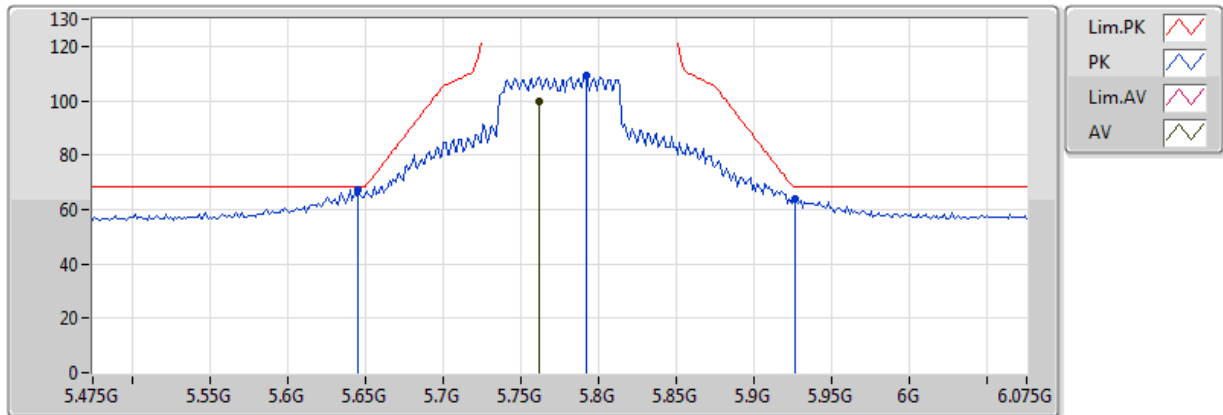


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7918G	96.72	Inf	-Inf	3.50	3	V	332	1.37	-
PK	5.637G	63.68	68.20	-4.52	3.38	3	V	332	1.37	-
PK	5.7918G	105.92	Inf	-Inf	3.50	3	V	332	1.37	-
PK	5.931G	61.53	68.20	-6.67	3.62	3	V	332	1.37	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

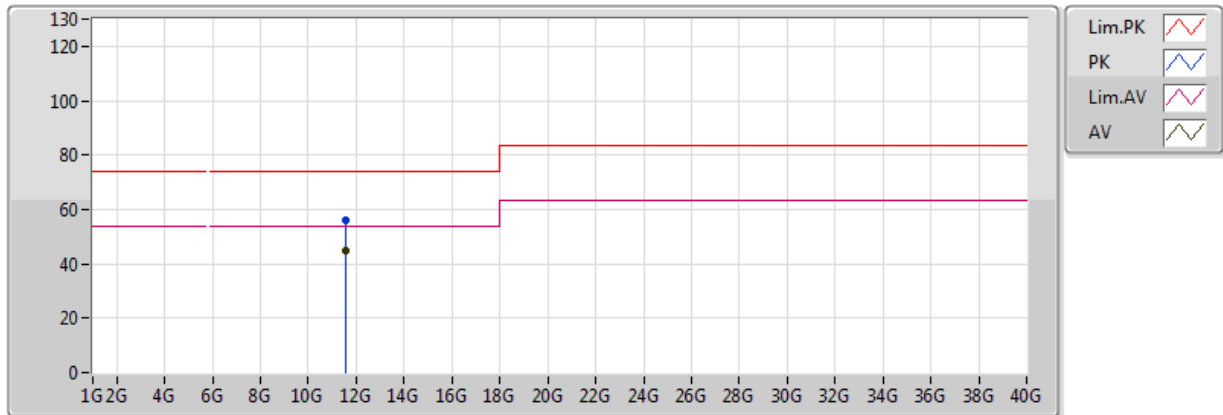


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7618G	99.82	Inf	-Inf	3.48	3	H	313	1.50	-
PK	5.6454G	67.30	68.20	-0.90	3.39	3	H	313	1.50	-
PK	5.7918G	109.07	Inf	-Inf	3.50	3	H	313	1.50	-
PK	5.9262G	63.95	68.20	-4.25	3.62	3	H	313	1.50	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

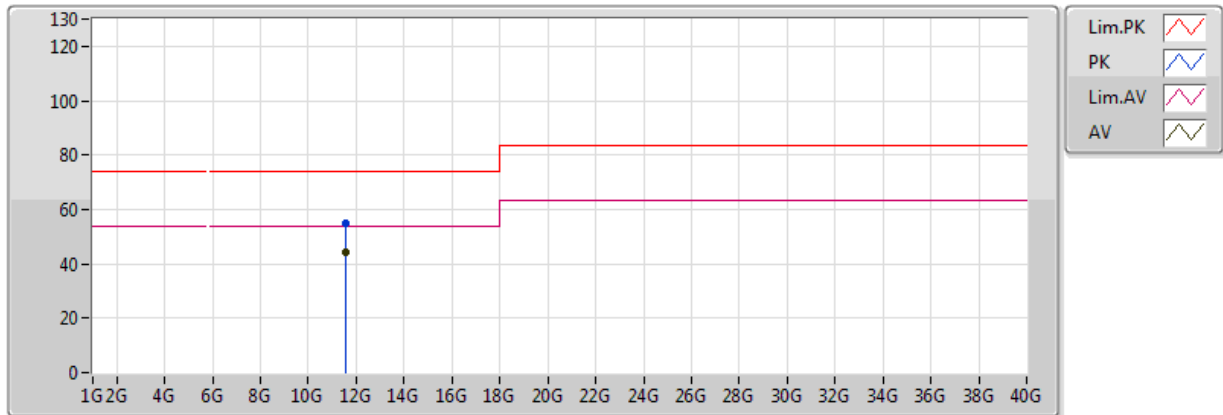


EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55G	44.95	54.00	-9.05	13.52	3	V	360	1.50	-
PK	11.55G	55.86	74.00	-18.14	13.52	3	V	360	1.50	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX



EUT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55G	44.38	54.00	-9.62	13.52	3	H	0	1.50	-
PK	11.55G	55.02	74.00	-18.98	13.52	3	H	0	1.50	-

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.146G	53.85	54.00	-0.15	2.90	3	V	84	1.22	-
5.725-5.85GHz	Pass	PK	5.649G	67.72	68.20	-0.48	3.39	3	V	78	1.75	-
5.15-5.25GHz	Pass	AV	5.146G	53.85	54.00	-0.15	2.90	3	V	84	1.22	-
5.725-5.85GHz	Pass	PK	5.649G	67.72	68.20	-0.48	3.39	3	V	78	1.75	-
5.15-5.25GHz	Pass	AV	5.146G	53.85	54.00	-0.15	2.90	3	V	84	1.22	-
5.725-5.85GHz	Pass	PK	5.649G	67.72	68.20	-0.48	3.39	3	V	78	1.75	-
5.15-5.25GHz	Pass	AV	5.146G	53.85	54.00	-0.15	2.90	3	V	84	1.22	-
5.725-5.85GHz	Pass	PK	5.649G	67.72	68.20	-0.48	3.39	3	V	78	1.75	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11a_(6Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1462G	53.55	54.00	-0.45	2.90	3	V	82	1.50	-
5180MHz	Pass	AV	5.1764G	107.74	Inf	-Inf	2.93	3	V	82	1.50	-
5180MHz	Pass	PK	5.1462G	71.59	74.00	-2.41	2.90	3	V	82	1.50	-
5180MHz	Pass	PK	5.176G	116.15	Inf	-Inf	2.93	3	V	82	1.50	-
5180MHz	Pass	AV	10.36G	42.97	54.00	-11.03	12.78	3	H	0	1.50	-
5180MHz	Pass	PK	10.36G	54.46	74.00	-19.54	12.78	3	H	0	1.50	-
5180MHz	Pass	AV	10.36G	43.08	54.00	-10.92	12.78	3	V	360	1.50	-
5180MHz	Pass	PK	10.36G	54.43	74.00	-19.57	12.78	3	V	360	1.50	-
5200MHz	Pass	AV	5.149995G	53.68	54.00	-0.32	2.90	3	V	91	1.50	-
5200MHz	Pass	AV	5.2056G	110.97	Inf	-Inf	2.96	3	V	91	1.50	-
5200MHz	Pass	PK	5.1496G	66.94	74.00	-7.06	2.90	3	V	91	1.50	-
5200MHz	Pass	PK	5.2052G	118.70	Inf	-Inf	2.96	3	V	91	1.50	-
5200MHz	Pass	AV	10.4G	45.07	54.00	-8.93	12.89	3	H	317	2.67	-
5200MHz	Pass	PK	10.4G	56.32	74.00	-17.68	12.89	3	H	317	2.67	-
5200MHz	Pass	AV	10.4G	50.10	54.00	-3.90	12.89	3	V	212	3.45	-
5200MHz	Pass	PK	10.4G	62.04	74.00	-11.96	12.89	3	V	212	3.45	-
5240MHz	Pass	AV	5.1494G	48.59	54.00	-5.41	2.90	3	V	90	1.54	-
5240MHz	Pass	AV	5.2454G	110.94	Inf	-Inf	3.00	3	V	90	1.54	-
5240MHz	Pass	AV	5.3522G	47.89	54.00	-6.11	3.11	3	V	90	1.54	-
5240MHz	Pass	PK	5.149995G	60.23	74.00	-13.77	2.90	3	V	90	1.54	-
5240MHz	Pass	PK	5.2454G	118.96	Inf	-Inf	3.00	3	V	90	1.54	-
5240MHz	Pass	PK	5.350005G	58.50	74.00	-15.50	3.11	3	V	90	1.54	-
5240MHz	Pass	AV	10.48G	47.14	54.00	-6.86	13.10	3	H	326	3.25	-
5240MHz	Pass	PK	10.48G	58.47	74.00	-15.53	13.10	3	H	326	3.25	-
5240MHz	Pass	AV	10.48G	51.28	54.00	-2.72	13.10	3	V	213	3.69	-
5240MHz	Pass	PK	10.48G	62.97	74.00	-11.03	13.10	3	V	213	3.69	-
5745MHz	Pass	AV	5.7438G	111.07	Inf	-Inf	3.47	3	V	43	1.87	-
5745MHz	Pass	PK	5.649G	66.85	68.20	-1.35	3.39	3	V	43	1.87	-
5745MHz	Pass	PK	5.7438G	119.53	Inf	-Inf	3.47	3	V	43	1.87	-
5745MHz	Pass	PK	5.9898G	61.71	68.20	-6.49	3.67	3	V	43	1.87	-
5745MHz	Pass	AV	11.49G	43.29	54.00	-10.71	13.63	3	H	154	1.50	-
5745MHz	Pass	PK	11.49G	54.87	74.00	-19.13	13.63	3	H	154	1.50	-
5745MHz	Pass	AV	11.49G	44.82	54.00	-9.18	13.63	3	V	333	3.60	-
5745MHz	Pass	PK	11.49G	56.57	74.00	-17.43	13.63	3	V	333	3.60	-
5785MHz	Pass	AV	5.7874G	111.39	Inf	-Inf	3.50	3	V	48	1.71	-
5785MHz	Pass	PK	5.6398G	63.52	68.20	-4.68	3.39	3	V	48	1.71	-
5785MHz	Pass	PK	5.7778G	120.20	Inf	-Inf	3.49	3	V	48	1.71	-
5785MHz	Pass	PK	5.9302G	61.98	68.20	-6.22	3.62	3	V	48	1.71	-
5785MHz	Pass	AV	11.57G	43.64	54.00	-10.36	13.49	3	H	199	3.67	-
5785MHz	Pass	PK	11.57G	54.87	74.00	-19.13	13.49	3	H	199	3.67	-
5785MHz	Pass	AV	11.57G	48.38	54.00	-5.62	13.49	3	V	230	3.66	-
5785MHz	Pass	PK	11.57G	60.33	74.00	-13.67	13.49	3	V	230	3.66	-
5825MHz	Pass	AV	5.8274G	110.08	Inf	-Inf	3.53	3	V	292	1.78	-
5825MHz	Pass	PK	5.5886G	60.79	68.20	-7.41	3.34	3	V	292	1.78	-
5825MHz	Pass	PK	5.8178G	118.74	Inf	-Inf	3.53	3	V	292	1.78	-
5825MHz	Pass	PK	5.9234G	68.83	69.38	-0.55	3.62	3	V	292	1.78	-
5825MHz	Pass	AV	11.65G	43.62	54.00	-10.38	13.35	3	H	140	2.02	-
5825MHz	Pass	PK	11.65G	55.42	74.00	-18.58	13.35	3	H	140	2.02	-



RSE TX above 1GHz Result_FAP-U323EV

Appendix E.4

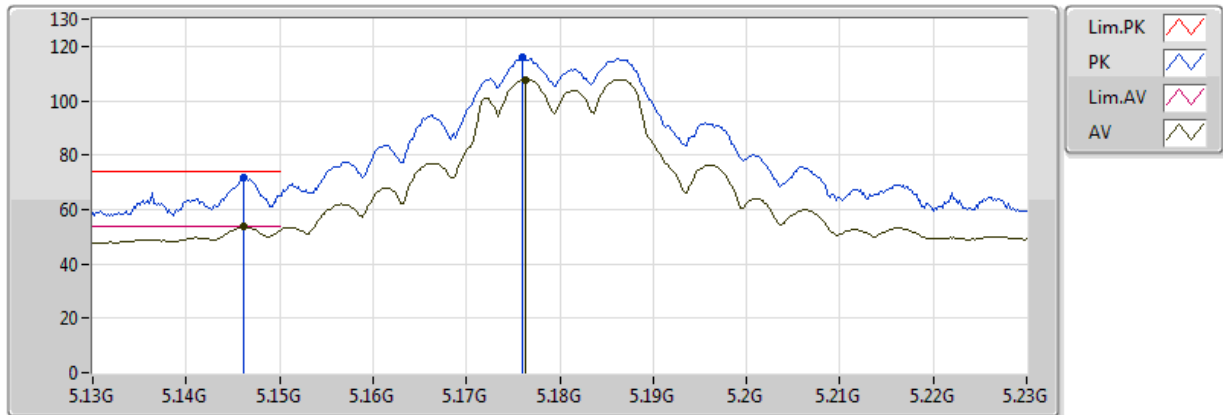
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	AV	11.65G	46.26	54.00	-7.74	13.35	3	V	180	3.17	-
5825MHz	Pass	PK	11.65G	57.48	74.00	-16.52	13.35	3	V	180	3.17	-
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.146G	53.72	54.00	-0.28	2.90	3	V	80	1.33	-
5180MHz	Pass	AV	5.1866G	106.97	Inf	-Inf	2.94	3	V	80	1.33	-
5180MHz	Pass	PK	5.1464G	70.89	74.00	-3.11	2.90	3	V	80	1.33	-
5180MHz	Pass	PK	5.1866G	115.11	Inf	-Inf	2.94	3	V	80	1.33	-
5180MHz	Pass	AV	15.54G	44.87	54.00	-9.13	14.65	3	H	360	1.50	-
5180MHz	Pass	PK	15.54G	55.83	74.00	-18.17	14.65	3	H	360	1.50	-
5180MHz	Pass	AV	15.54G	44.85	54.00	-9.15	14.65	3	V	0	1.50	-
5180MHz	Pass	PK	15.54G	56.90	74.00	-17.10	14.65	3	V	0	1.50	-
5200MHz	Pass	AV	5.149995G	53.49	54.00	-0.51	2.90	3	V	81	1.24	-
5200MHz	Pass	AV	5.1964G	110.31	Inf	-Inf	2.95	3	V	81	1.24	-
5200MHz	Pass	PK	5.146G	67.76	74.00	-6.24	2.90	3	V	81	1.24	-
5200MHz	Pass	PK	5.1964G	118.53	Inf	-Inf	2.95	3	V	81	1.24	-
5200MHz	Pass	AV	15.6G	44.95	54.00	-9.05	14.43	3	H	0	1.50	-
5200MHz	Pass	PK	15.6G	56.72	74.00	-17.28	14.43	3	H	0	1.50	-
5200MHz	Pass	AV	15.6G	44.99	54.00	-9.01	14.43	3	V	360	1.50	-
5200MHz	Pass	PK	15.6G	57.14	74.00	-16.86	14.43	3	V	360	1.50	-
5240MHz	Pass	AV	5.1464G	51.99	54.00	-2.01	2.90	3	V	83	1.30	-
5240MHz	Pass	AV	5.2466G	112.26	Inf	-Inf	3.00	3	V	83	1.30	-
5240MHz	Pass	AV	5.3516G	49.89	54.00	-4.11	3.11	3	V	83	1.30	-
5240MHz	Pass	PK	5.1464G	66.54	74.00	-7.46	2.90	3	V	83	1.30	-
5240MHz	Pass	PK	5.2364G	121.27	Inf	-Inf	2.99	3	V	83	1.30	-
5240MHz	Pass	PK	5.3522G	63.48	74.00	-10.52	3.11	3	V	83	1.30	-
5240MHz	Pass	AV	15.72G	45.25	54.00	-8.75	13.99	3	H	0	1.50	-
5240MHz	Pass	PK	10.48G	62.53	68.20	-5.67	13.10	3	H	314	3.65	-
5240MHz	Pass	PK	15.72G	57.70	74.00	-16.30	13.99	3	H	0	1.50	-
5240MHz	Pass	AV	15.72G	45.73	54.00	-8.27	13.99	3	V	360	1.50	-
5240MHz	Pass	PK	10.48G	67.31	68.20	-0.89	13.10	3	V	223	3.15	-
5240MHz	Pass	PK	15.72G	58.24	74.00	-15.76	13.99	3	V	360	1.50	-
5745MHz	Pass	AV	5.7474G	109.86	Inf	-Inf	3.47	3	V	45	1.99	-
5745MHz	Pass	PK	5.5122G	64.13	68.20	-4.07	3.28	3	V	45	1.99	-
5745MHz	Pass	PK	5.7474G	118.57	Inf	-Inf	3.47	3	V	45	1.99	-
5745MHz	Pass	PK	5.9898G	60.22	68.20	-7.98	3.67	3	V	45	1.99	-
5745MHz	Pass	AV	11.49G	44.90	54.00	-9.10	13.63	3	H	360	1.50	-
5745MHz	Pass	PK	11.49G	56.68	74.00	-17.32	13.63	3	H	360	1.50	-
5745MHz	Pass	AV	11.49G	44.49	54.00	-9.51	13.63	3	V	0	1.50	-
5745MHz	Pass	PK	11.49G	56.23	74.00	-17.77	13.63	3	V	0	1.50	-
5785MHz	Pass	AV	5.7862G	109.41	Inf	-Inf	3.50	3	V	86	1.71	-
5785MHz	Pass	PK	5.6422G	62.92	68.20	-5.28	3.39	3	V	86	1.71	-
5785MHz	Pass	PK	5.7862G	118.92	Inf	-Inf	3.50	3	V	86	1.71	-
5785MHz	Pass	PK	5.935G	61.51	68.20	-6.69	3.63	3	V	86	1.71	-
5785MHz	Pass	AV	11.57G	44.75	54.00	-9.25	13.49	3	H	0	1.50	-
5785MHz	Pass	PK	11.57G	55.48	74.00	-18.52	13.49	3	H	0	1.50	-
5785MHz	Pass	AV	11.57G	44.73	54.00	-9.27	13.49	3	V	360	1.50	-
5785MHz	Pass	PK	11.57G	56.37	74.00	-17.63	13.49	3	V	360	1.50	-
5825MHz	Pass	AV	5.8214G	108.50	Inf	-Inf	3.53	3	V	89	1.72	-
5825MHz	Pass	PK	5.591G	60.54	68.20	-7.66	3.34	3	V	89	1.72	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	PK	5.8262G	117.75	Inf	-Inf	3.53	3	V	89	1.72	-
5825MHz	Pass	PK	5.9246G	67.77	68.50	-0.72	3.62	3	V	89	1.72	-
5825MHz	Pass	AV	11.65G	44.84	54.00	-9.16	13.35	3	H	0	1.50	-
5825MHz	Pass	PK	11.65G	56.47	74.00	-17.53	13.35	3	H	0	1.50	-
5825MHz	Pass	AV	11.65G	44.81	54.00	-9.19	13.35	3	V	360	1.50	-
5825MHz	Pass	PK	11.65G	56.24	74.00	-17.76	13.35	3	V	360	1.50	-
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.149995G	53.79	54.00	-0.21	2.90	3	V	83	1.26	-
5190MHz	Pass	AV	5.1964G	101.21	Inf	-Inf	2.95	3	V	83	1.26	-
5190MHz	Pass	PK	5.1464G	71.00	74.00	-3.00	2.90	3	V	83	1.26	-
5190MHz	Pass	PK	5.1968G	109.81	Inf	-Inf	2.95	3	V	83	1.26	-
5190MHz	Pass	AV	15.57G	45.77	54.00	-8.23	14.54	3	H	360	1.50	-
5190MHz	Pass	PK	15.57G	56.88	74.00	-17.12	14.54	3	H	360	1.50	-
5190MHz	Pass	AV	15.57G	45.76	54.00	-8.24	14.54	3	V	0	1.50	-
5190MHz	Pass	PK	15.57G	56.56	74.00	-17.44	14.54	3	V	0	1.50	-
5230MHz	Pass	AV	5.146G	53.76	54.00	-0.24	2.90	3	V	85	1.50	-
5230MHz	Pass	AV	5.2368G	103.93	Inf	-Inf	2.99	3	V	85	1.50	-
5230MHz	Pass	PK	5.149995G	71.34	74.00	-2.66	2.90	3	V	85	1.50	-
5230MHz	Pass	PK	5.236G	115.42	Inf	-Inf	2.99	3	V	85	1.50	-
5230MHz	Pass	AV	15.69G	46.23	54.00	-7.77	14.10	3	H	0	1.50	-
5230MHz	Pass	PK	15.69G	57.50	74.00	-16.50	14.10	3	H	0	1.50	-
5230MHz	Pass	AV	15.69G	46.18	54.00	-7.82	14.10	3	V	360	1.50	-
5230MHz	Pass	PK	15.69G	57.46	74.00	-16.54	14.10	3	V	360	1.50	-
5755MHz	Pass	AV	5.7478G	106.28	Inf	-Inf	3.47	3	V	47	1.90	-
5755MHz	Pass	PK	5.641G	67.17	68.20	-1.03	3.39	3	V	47	1.90	-
5755MHz	Pass	PK	5.7478G	115.34	Inf	-Inf	3.47	3	V	47	1.90	-
5755MHz	Pass	PK	5.929G	58.79	68.20	-9.41	3.62	3	V	47	1.90	-
5755MHz	Pass	AV	11.51G	44.78	54.00	-9.22	13.59	3	H	360	1.50	-
5755MHz	Pass	PK	11.51G	55.68	74.00	-18.32	13.59	3	H	360	1.50	-
5755MHz	Pass	AV	11.51G	44.76	54.00	-9.24	13.59	3	V	0	1.50	-
5755MHz	Pass	PK	11.51G	55.63	74.00	-18.37	13.59	3	V	0	1.50	-
5795MHz	Pass	AV	5.801G	104.86	Inf	-Inf	3.51	3	V	89	1.83	-
5795MHz	Pass	PK	5.6258G	59.31	68.20	-8.89	3.37	3	V	89	1.83	-
5795MHz	Pass	PK	5.801G	113.15	Inf	-Inf	3.51	3	V	89	1.83	-
5795MHz	Pass	PK	5.9294G	60.98	68.20	-7.22	3.62	3	V	89	1.83	-
5795MHz	Pass	AV	11.59G	44.76	54.00	-9.24	13.46	3	H	0	1.50	-
5795MHz	Pass	PK	11.59G	56.18	74.00	-17.82	13.46	3	H	0	1.50	-
5795MHz	Pass	AV	11.59G	44.84	54.00	-9.16	13.46	3	V	360	1.50	-
5795MHz	Pass	PK	11.59G	56.23	74.00	-17.77	13.46	3	V	360	1.50	-
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.146G	53.85	54.00	-0.15	2.90	3	V	84	1.22	-
5210MHz	Pass	AV	5.227G	98.35	Inf	-Inf	2.98	3	V	84	1.22	-
5210MHz	Pass	AV	5.358G	47.54	54.00	-6.46	3.12	3	V	84	1.22	-
5210MHz	Pass	PK	5.141G	70.10	74.00	-3.90	2.89	3	V	84	1.22	-
5210MHz	Pass	PK	5.227G	106.72	Inf	-Inf	2.98	3	V	84	1.22	-
5210MHz	Pass	PK	5.353G	57.87	74.00	-16.13	3.11	3	V	84	1.22	-
5210MHz	Pass	AV	10.42G	44.78	54.00	-9.22	12.94	3	H	360	1.50	-
5210MHz	Pass	PK	10.42G	55.77	74.00	-18.23	12.94	3	H	360	1.50	-
5210MHz	Pass	AV	10.42G	44.77	54.00	-9.23	12.94	3	V	0	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	PK	10.42G	55.97	74.00	-18.03	12.94	3	V	0	1.50	-
5775MHz	Pass	AV	5.7642G	100.11	Inf	-Inf	3.48	3	V	78	1.75	-
5775MHz	Pass	PK	5.649G	67.72	68.20	-0.48	3.39	3	V	78	1.75	-
5775MHz	Pass	PK	5.7894G	109.12	Inf	-Inf	3.50	3	V	78	1.75	-
5775MHz	Pass	PK	5.9298G	61.46	68.20	-6.74	3.62	3	V	78	1.75	-
5775MHz	Pass	AV	11.55G	44.78	54.00	-9.22	13.52	3	H	0	1.50	-
5775MHz	Pass	PK	11.55G	56.16	74.00	-17.84	13.52	3	H	0	1.50	-
5775MHz	Pass	AV	11.55G	44.72	54.00	-9.28	13.52	3	V	360	1.50	-
5775MHz	Pass	PK	11.55G	55.21	74.00	-18.79	13.52	3	V	360	1.50	-

802.11a_(6Mbps)_3TX

5180MHz_TX

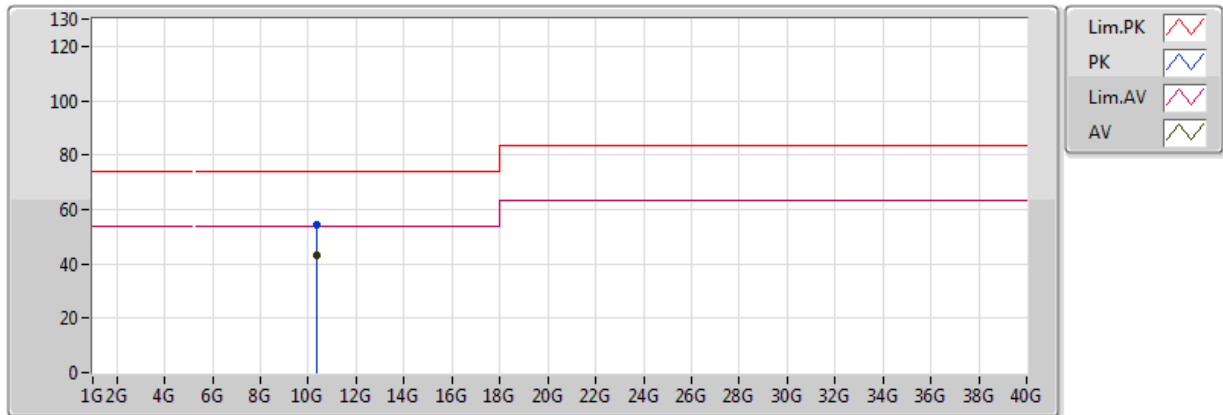


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1462G	53.55	54.00	-0.45	2.90	3	V	82	1.50	-
AV	5.1764G	107.74	Inf	-Inf	2.93	3	V	82	1.50	-
PK	5.1462G	71.59	74.00	-2.41	2.90	3	V	82	1.50	-
PK	5.176G	116.15	Inf	-Inf	2.93	3	V	82	1.50	-

802.11a_(6Mbps)_3TX

5180MHz_TX

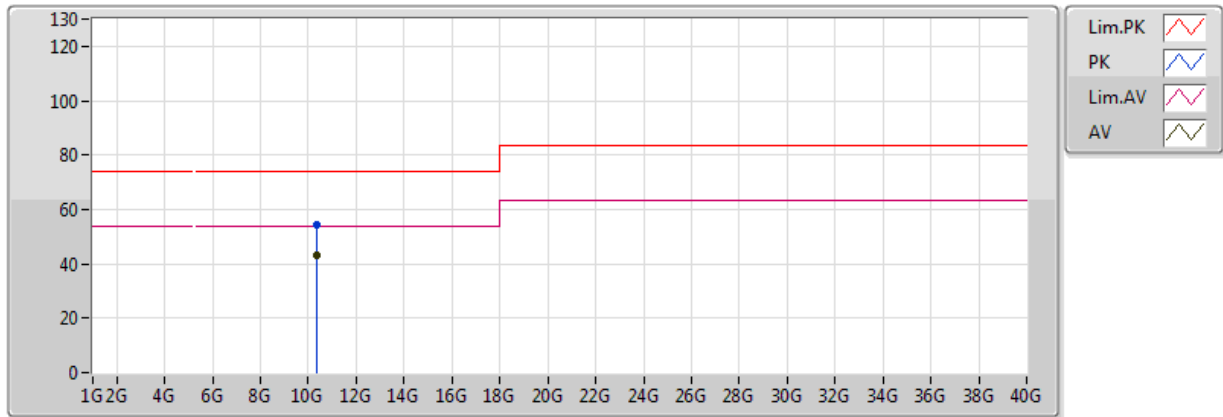


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	43.08	54.00	-10.92	12.78	3	V	360	1.50	-
PK	10.36G	54.43	74.00	-19.57	12.78	3	V	360	1.50	-

802.11a_(6Mbps)_3TX

5180MHz_TX

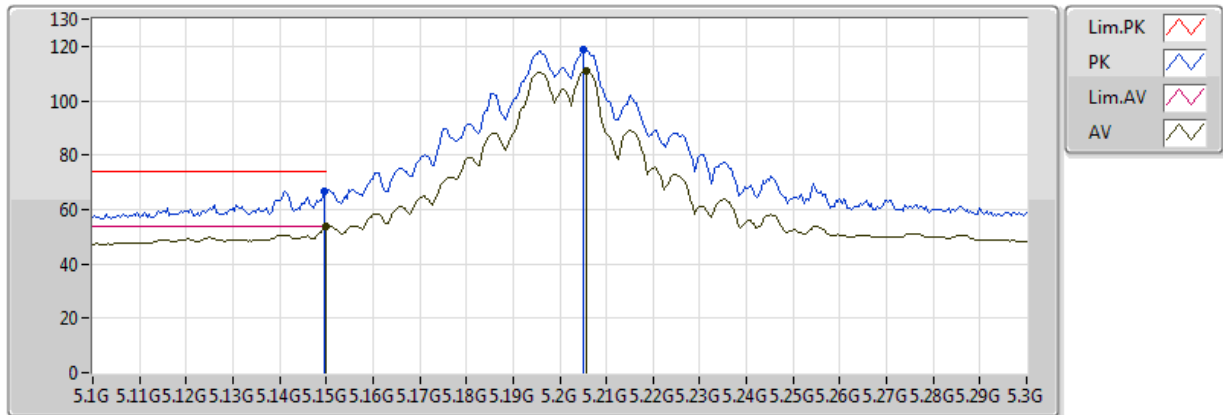


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	42.97	54.00	-11.03	12.78	3	H	0	1.50	-
PK	10.36G	54.46	74.00	-19.54	12.78	3	H	0	1.50	-

802.11a_(6Mbps)_3TX

5200MHz_TX

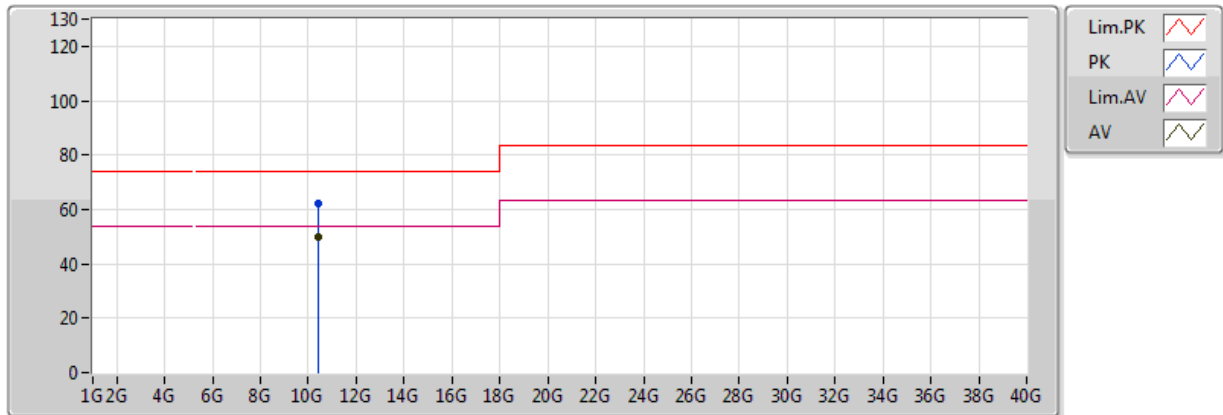


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.68	54.00	-0.32	2.90	3	V	91	1.50	-
AV	5.2056G	110.97	Inf	-Inf	2.96	3	V	91	1.50	-
PK	5.1496G	66.94	74.00	-7.06	2.90	3	V	91	1.50	-
PK	5.2052G	118.70	Inf	-Inf	2.96	3	V	91	1.50	-

802.11a_(6Mbps)_3TX

5200MHz_TX

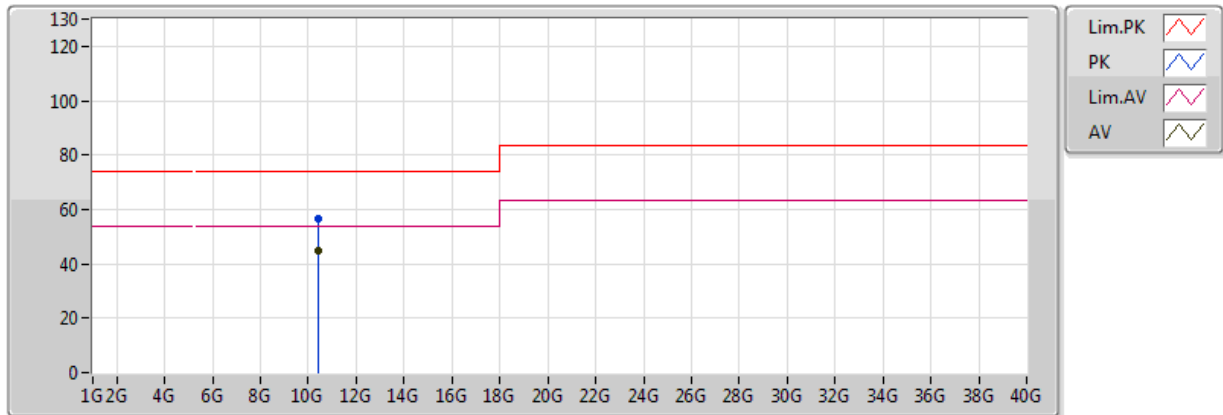


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	50.10	54.00	-3.90	12.89	3	V	212	3.45	-
PK	10.4G	62.04	74.00	-11.96	12.89	3	V	212	3.45	-

802.11a_(6Mbps)_3TX

5200MHz_TX

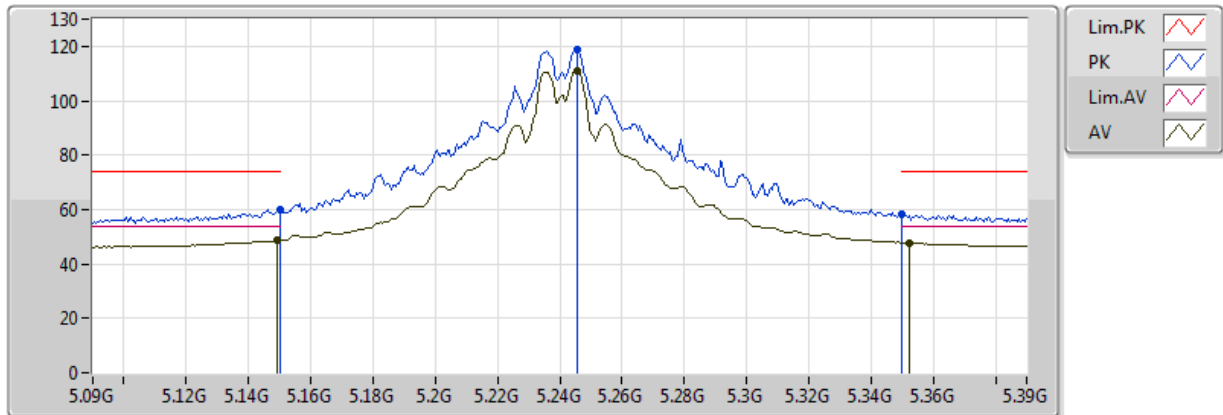


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	45.07	54.00	-8.93	12.89	3	H	317	2.67	-
PK	10.4G	56.32	74.00	-17.68	12.89	3	H	317	2.67	-

802.11a_(6Mbps)_3TX

5240MHz_TX

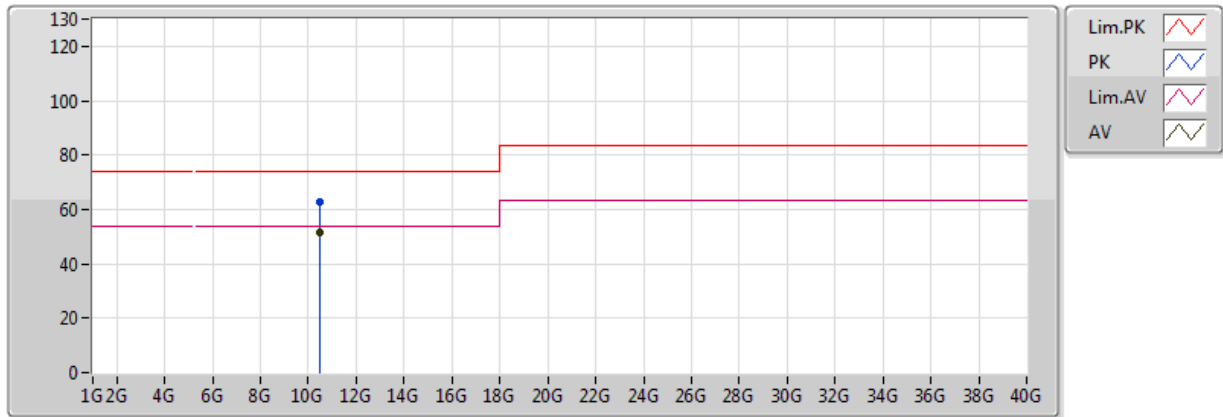


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1494G	48.59	54.00	-5.41	2.90	3	V	90	1.54	-
AV	5.2454G	110.94	Inf	-Inf	3.00	3	V	90	1.54	-
AV	5.3522G	47.89	54.00	-6.11	3.11	3	V	90	1.54	-
PK	5.149995G	60.23	74.00	-13.77	2.90	3	V	90	1.54	-
PK	5.2454G	118.96	Inf	-Inf	3.00	3	V	90	1.54	-
PK	5.350005G	58.50	74.00	-15.50	3.11	3	V	90	1.54	-

802.11a_(6Mbps)_3TX

5240MHz_TX

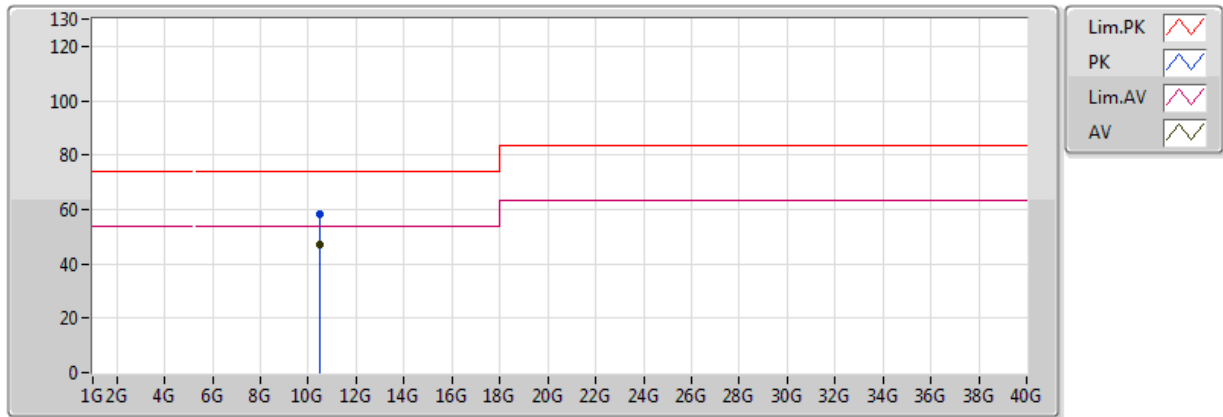


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	51.28	54.00	-2.72	13.10	3	V	213	3.69	-
PK	10.48G	62.97	74.00	-11.03	13.10	3	V	213	3.69	-

802.11a_(6Mbps)_3TX

5240MHz_TX

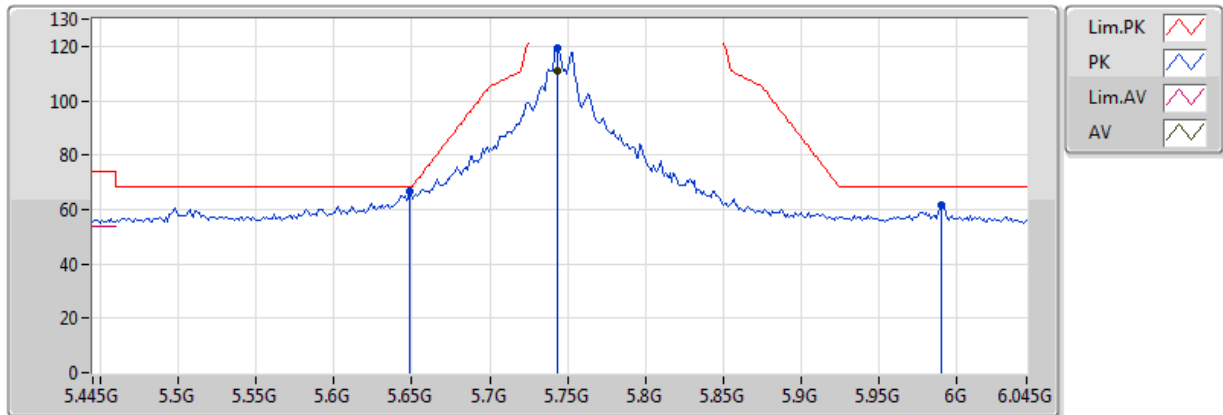


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	47.14	54.00	-6.86	13.10	3	H	326	3.25	-
PK	10.48G	58.47	74.00	-15.53	13.10	3	H	326	3.25	-

802.11a_(6Mbps)_3TX

5745MHz_TX

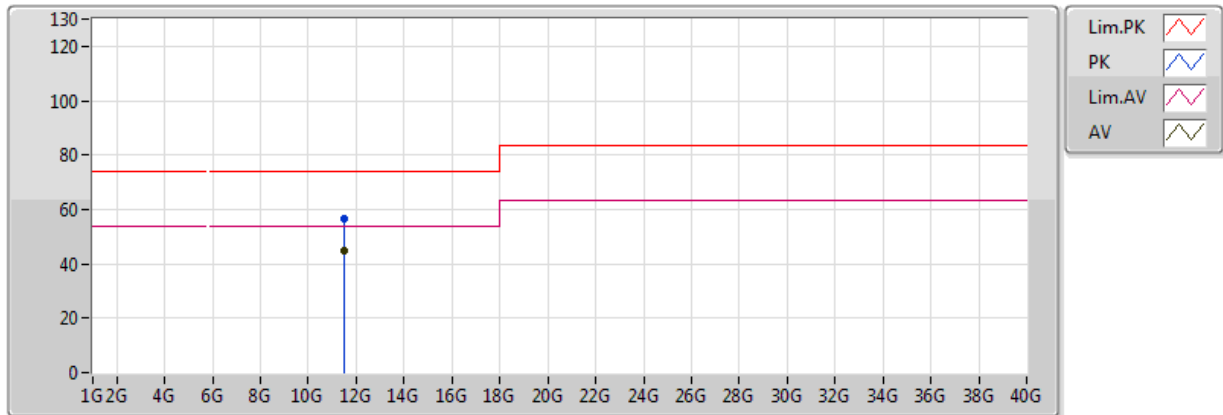


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7438G	111.07	Inf	-Inf	3.47	3	V	43	1.87	-
PK	5.649G	66.85	68.20	-1.35	3.39	3	V	43	1.87	-
PK	5.7438G	119.53	Inf	-Inf	3.47	3	V	43	1.87	-
PK	5.9898G	61.71	68.20	-6.49	3.67	3	V	43	1.87	-

802.11a_(6Mbps)_3TX

5745MHz_TX

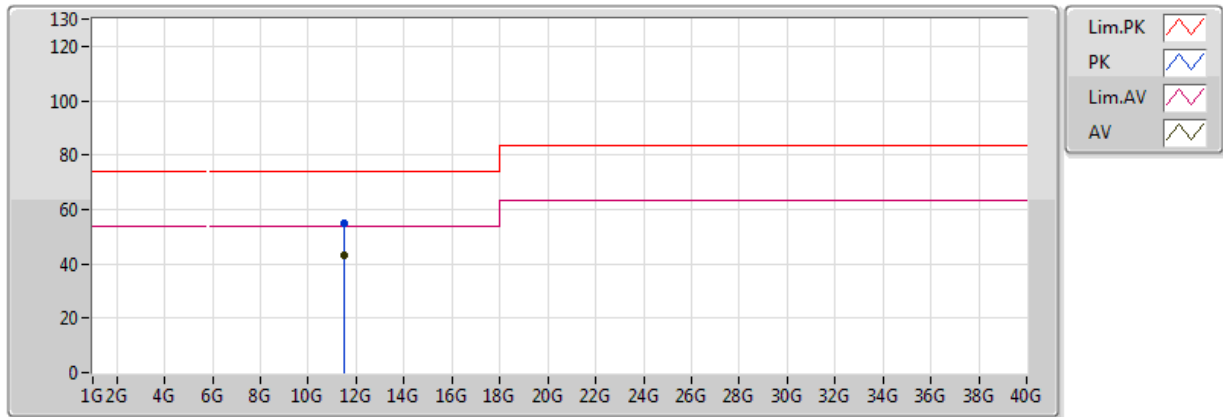


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	44.82	54.00	-9.18	13.63	3	V	333	3.60	-
PK	11.49G	56.57	74.00	-17.43	13.63	3	V	333	3.60	-

802.11a_(6Mbps)_3TX

5745MHz_TX

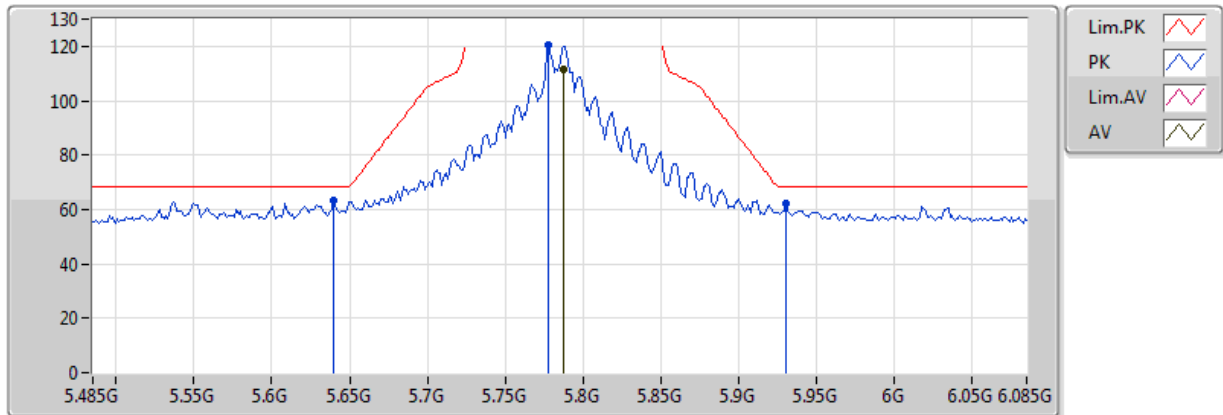


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	43.29	54.00	-10.71	13.63	3	H	154	1.50	-
PK	11.49G	54.87	74.00	-19.13	13.63	3	H	154	1.50	-

802.11a_(6Mbps)_3TX

5785MHz_TX

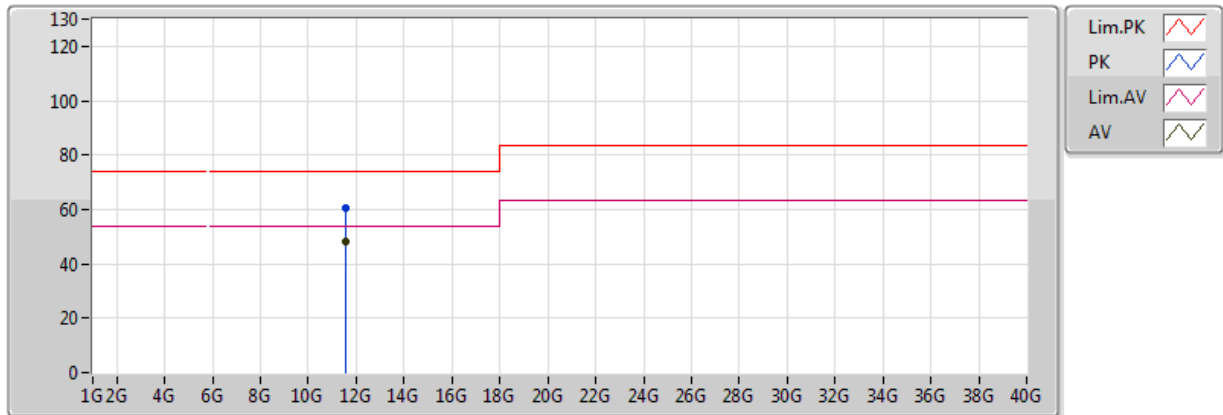


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7874G	111.39	Inf	-Inf	3.50	3	V	48	1.71	-
PK	5.6398G	63.52	68.20	-4.68	3.39	3	V	48	1.71	-
PK	5.7778G	120.20	Inf	-Inf	3.49	3	V	48	1.71	-
PK	5.9302G	61.98	68.20	-6.22	3.62	3	V	48	1.71	-

802.11a_(6Mbps)_3TX

5785MHz_TX

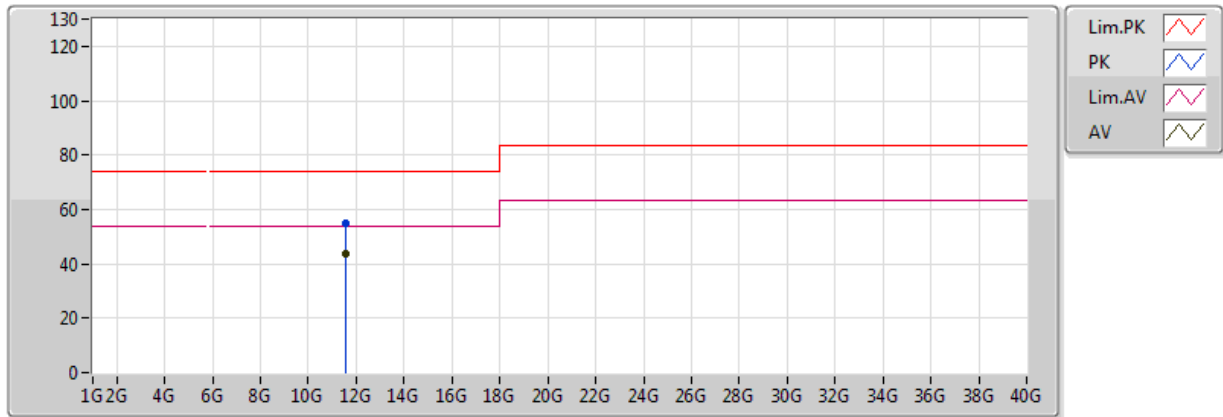


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	48.38	54.00	-5.62	13.49	3	V	230	3.66	-
PK	11.57G	60.33	74.00	-13.67	13.49	3	V	230	3.66	-

802.11a_(6Mbps)_3TX

5785MHz_TX

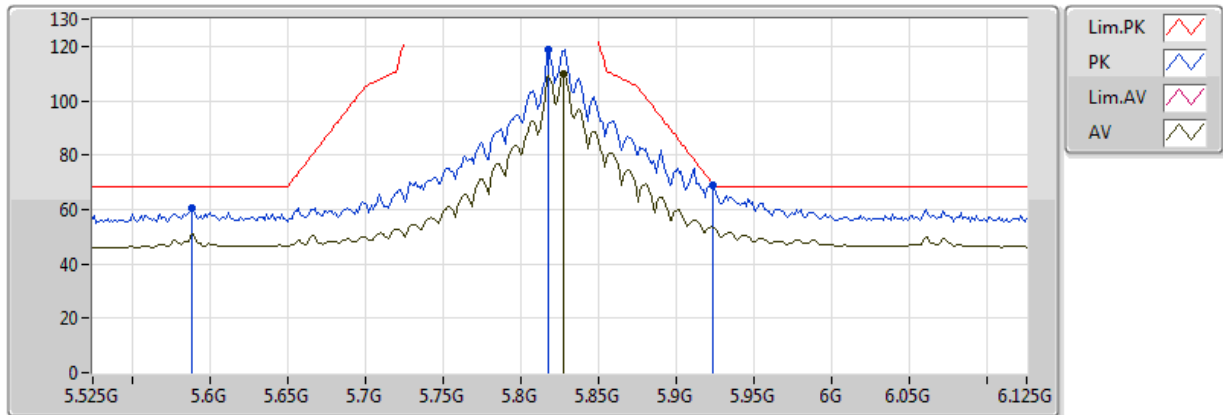


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	43.64	54.00	-10.36	13.49	3	H	199	3.67	-
PK	11.57G	54.87	74.00	-19.13	13.49	3	H	199	3.67	-

802.11a_(6Mbps)_3TX

5825MHz_TX

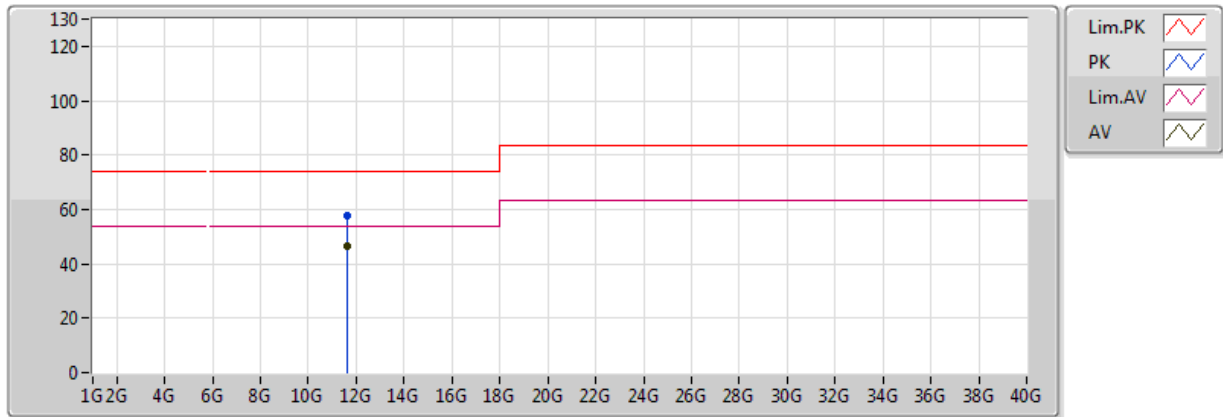


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8274G	110.08	Inf	-Inf	3.53	3	V	292	1.78	-
PK	5.5886G	60.79	68.20	-7.41	3.34	3	V	292	1.78	-
PK	5.8178G	118.74	Inf	-Inf	3.53	3	V	292	1.78	-
PK	5.9234G	68.83	69.38	-0.55	3.62	3	V	292	1.78	-

802.11a_(6Mbps)_3TX

5825MHz_TX

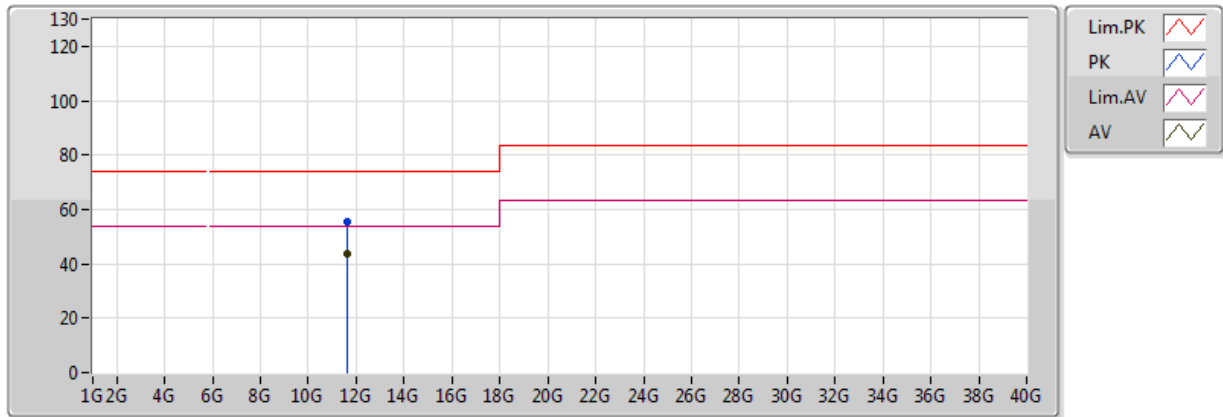


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	46.26	54.00	-7.74	13.35	3	V	180	3.17	-
PK	11.65G	57.48	74.00	-16.52	13.35	3	V	180	3.17	-

802.11a_(6Mbps)_3TX

5825MHz_TX

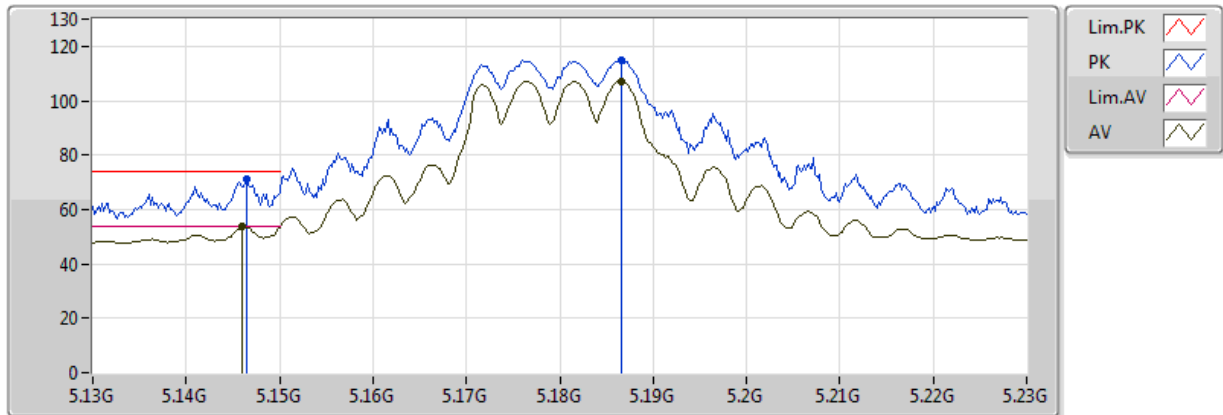


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	43.62	54.00	-10.38	13.35	3	H	140	2.02	-
PK	11.65G	55.42	74.00	-18.58	13.35	3	H	140	2.02	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

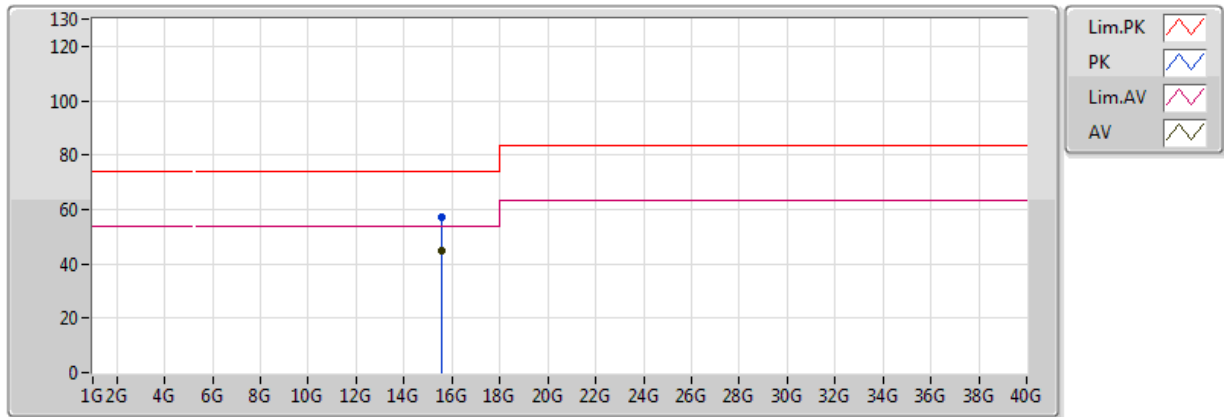


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.146G	53.72	54.00	-0.28	2.90	3	V	80	1.33	-
AV	5.1866G	106.97	Inf	-Inf	2.94	3	V	80	1.33	-
PK	5.1464G	70.89	74.00	-3.11	2.90	3	V	80	1.33	-
PK	5.1866G	115.11	Inf	-Inf	2.94	3	V	80	1.33	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

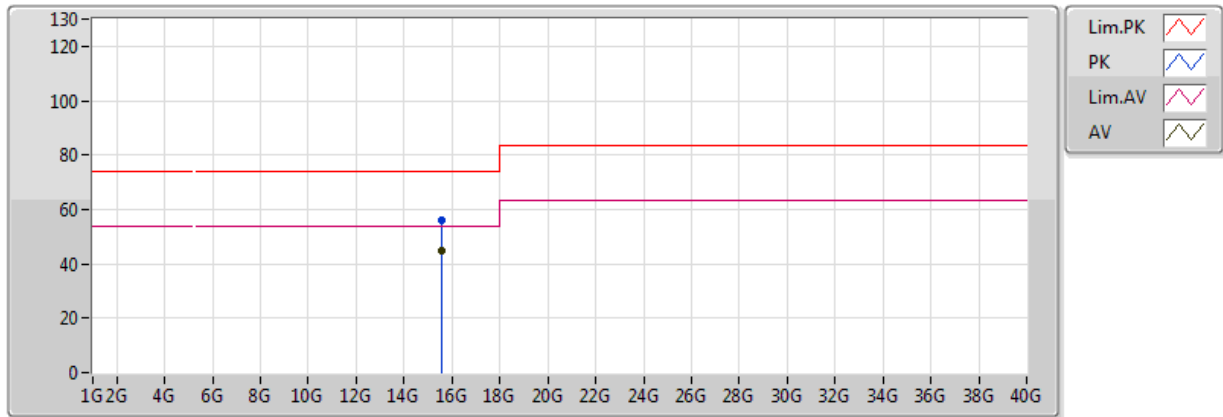


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.54G	44.85	54.00	-9.15	14.65	3	V	0	1.50	-
PK	15.54G	56.90	74.00	-17.10	14.65	3	V	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

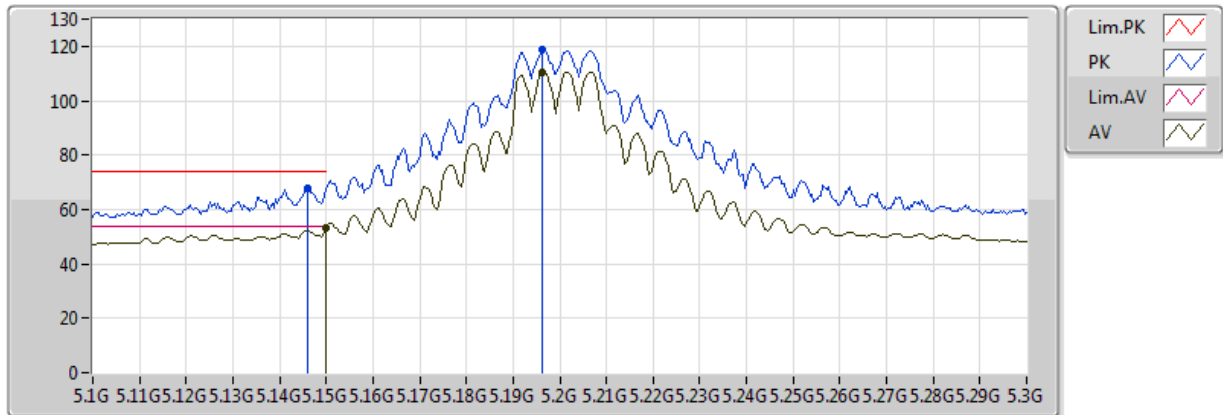


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.54G	44.87	54.00	-9.13	14.65	3	H	360	1.50	-
PK	15.54G	55.83	74.00	-18.17	14.65	3	H	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

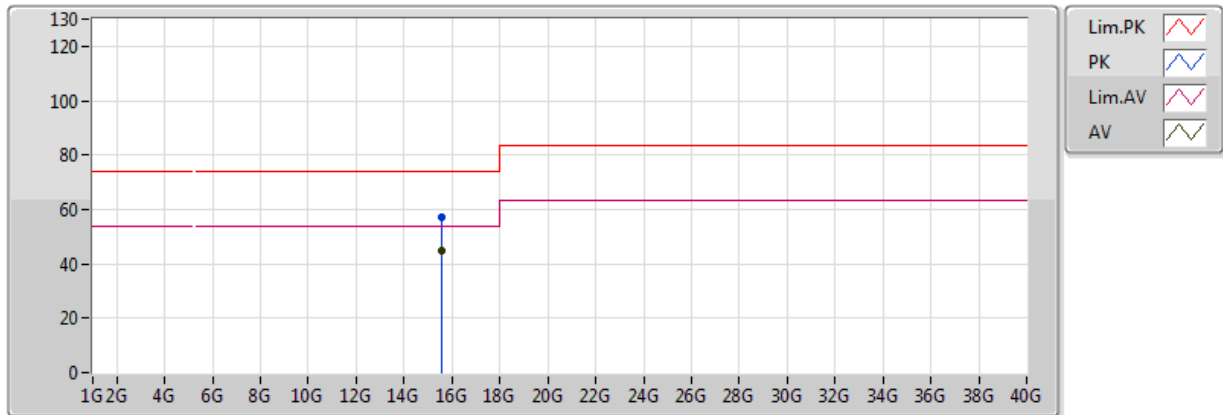


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.49	54.00	-0.51	2.90	3	V	81	1.24	-
AV	5.1964G	110.31	Inf	-Inf	2.95	3	V	81	1.24	-
PK	5.146G	67.76	74.00	-6.24	2.90	3	V	81	1.24	-
PK	5.1964G	118.53	Inf	-Inf	2.95	3	V	81	1.24	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

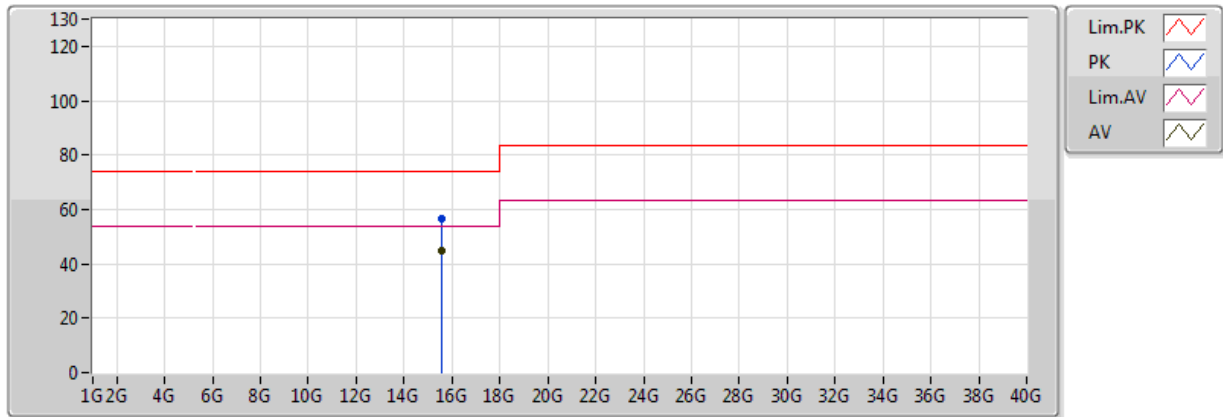


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.6G	44.99	54.00	-9.01	14.43	3	V	360	1.50	-
PK	15.6G	57.14	74.00	-16.86	14.43	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

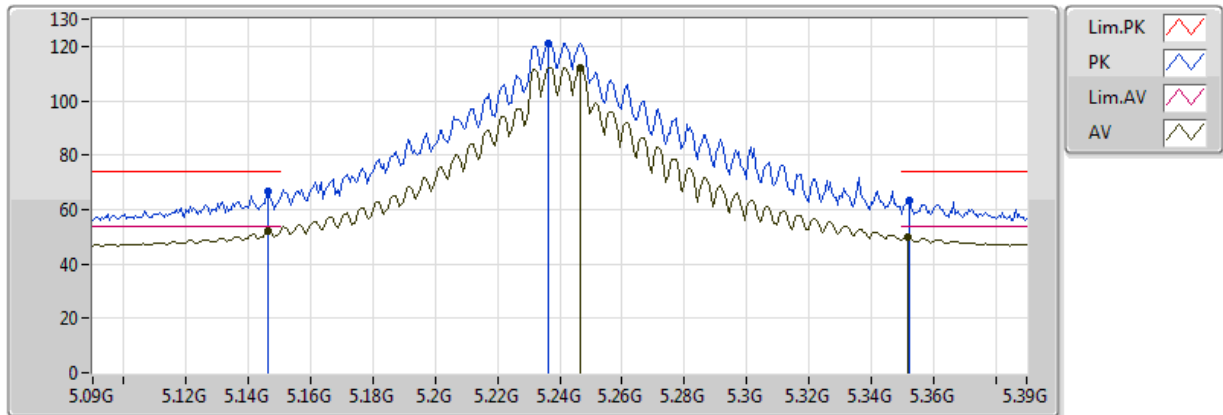


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.6G	44.95	54.00	-9.05	14.43	3	H	0	1.50	-
PK	15.6G	56.72	74.00	-17.28	14.43	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

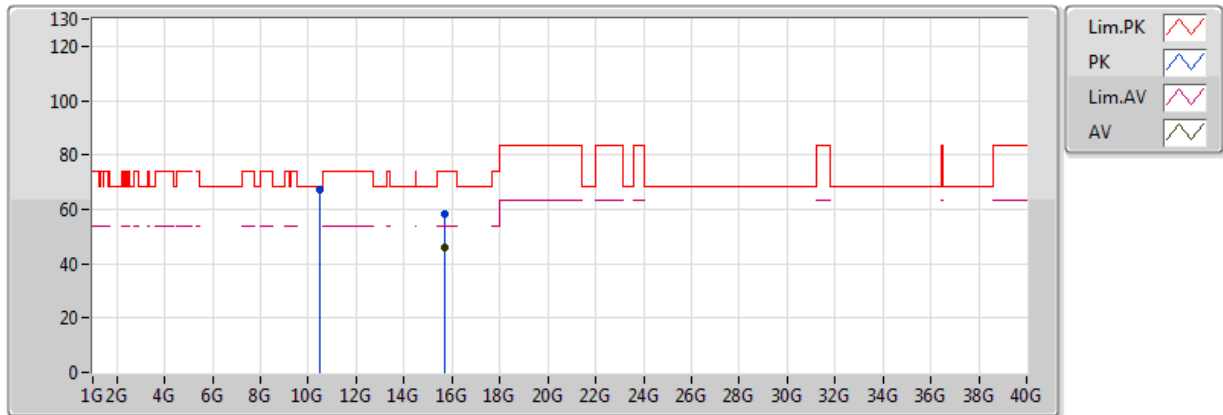


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1464G	51.99	54.00	-2.01	2.90	3	V	83	1.30	-
AV	5.2466G	112.26	Inf	-Inf	3.00	3	V	83	1.30	-
AV	5.3516G	49.89	54.00	-4.11	3.11	3	V	83	1.30	-
PK	5.1464G	66.54	74.00	-7.46	2.90	3	V	83	1.30	-
PK	5.2364G	121.27	Inf	-Inf	2.99	3	V	83	1.30	-
PK	5.3522G	63.48	74.00	-10.52	3.11	3	V	83	1.30	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

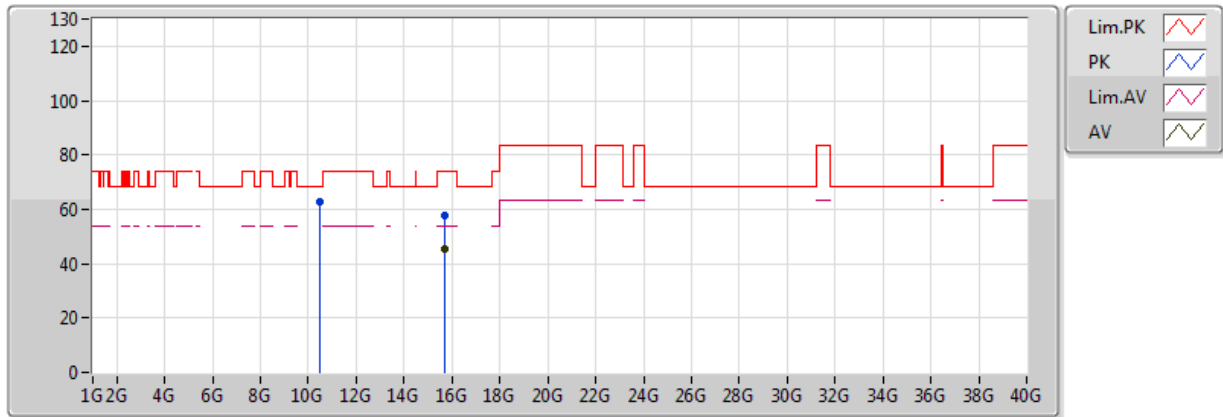


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.72G	45.73	54.00	-8.27	13.99	3	V	360	1.50	-
PK	10.48G	67.31	68.20	-0.89	13.10	3	V	223	3.15	-
PK	15.72G	58.24	74.00	-15.76	13.99	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

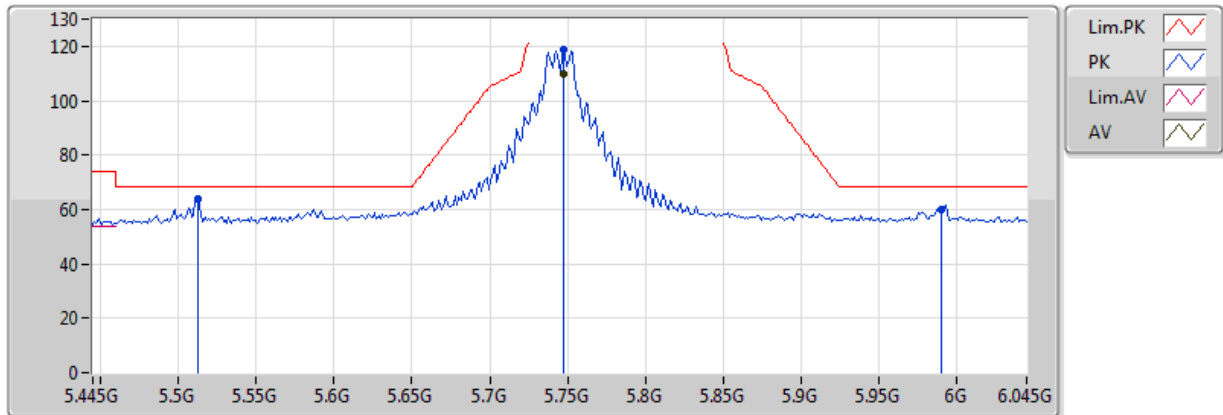


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.72G	45.25	54.00	-8.75	13.99	3	H	0	1.50	-
PK	10.48G	62.53	68.20	-5.67	13.10	3	H	314	3.65	-
PK	15.72G	57.70	74.00	-16.30	13.99	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

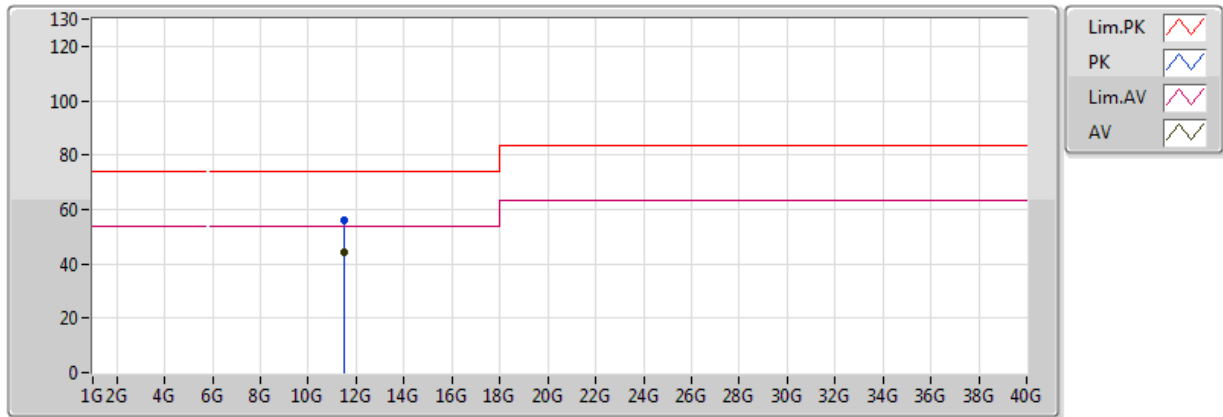


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7474G	109.86	Inf	-Inf	3.47	3	V	45	1.99	-
PK	5.5122G	64.13	68.20	-4.07	3.28	3	V	45	1.99	-
PK	5.7474G	118.57	Inf	-Inf	3.47	3	V	45	1.99	-
PK	5.9898G	60.22	68.20	-7.98	3.67	3	V	45	1.99	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

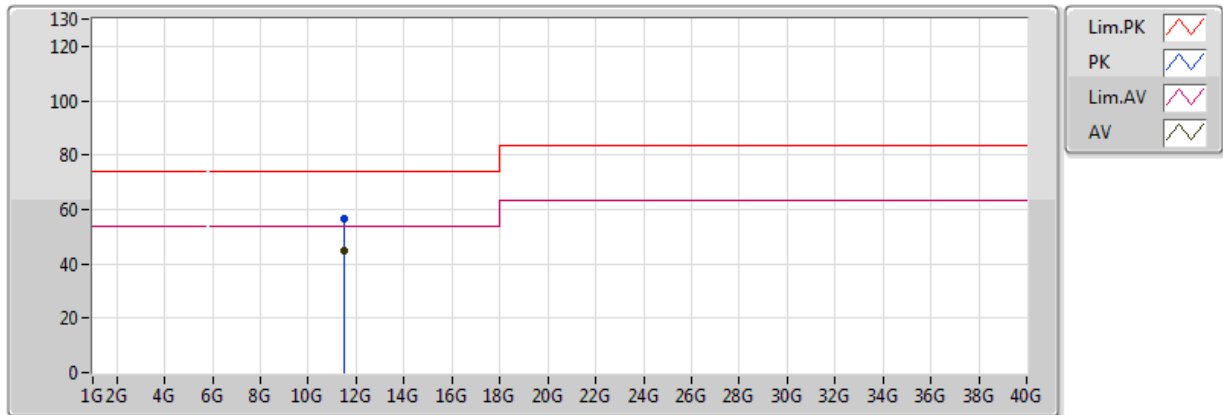


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	44.49	54.00	-9.51	13.63	3	V	0	1.50	-
PK	11.49G	56.23	74.00	-17.77	13.63	3	V	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

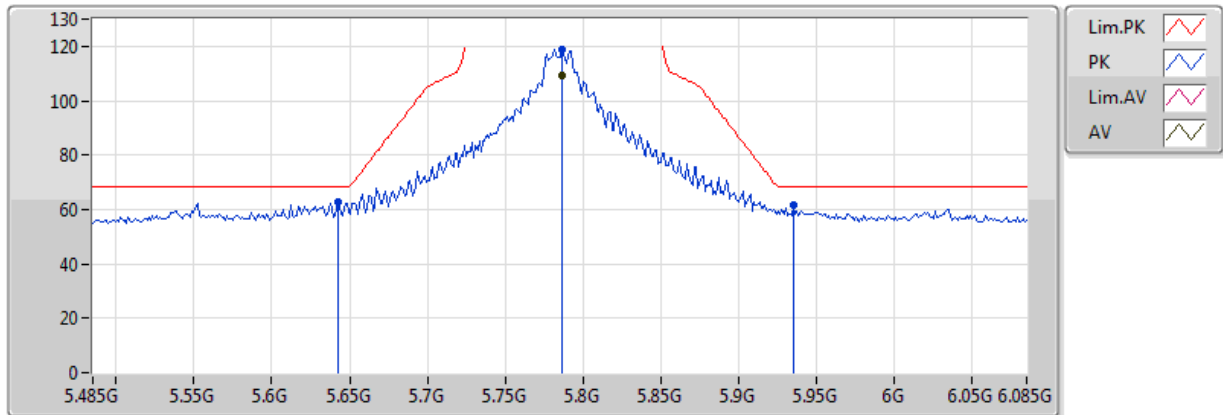


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	44.90	54.00	-9.10	13.63	3	H	360	1.50	-
PK	11.49G	56.68	74.00	-17.32	13.63	3	H	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

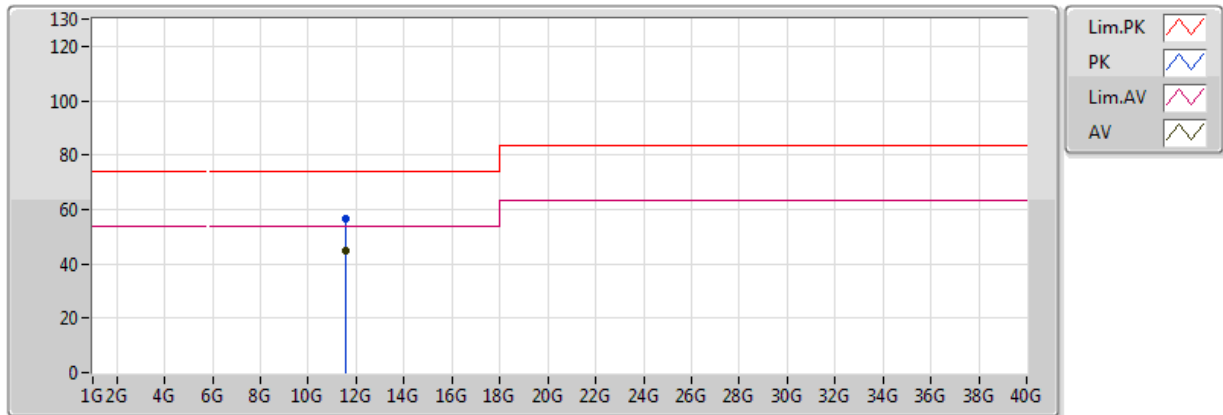


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7862G	109.41	Inf	-Inf	3.50	3	V	86	1.71	-
PK	5.6422G	62.92	68.20	-5.28	3.39	3	V	86	1.71	-
PK	5.7862G	118.92	Inf	-Inf	3.50	3	V	86	1.71	-
PK	5.935G	61.51	68.20	-6.69	3.63	3	V	86	1.71	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

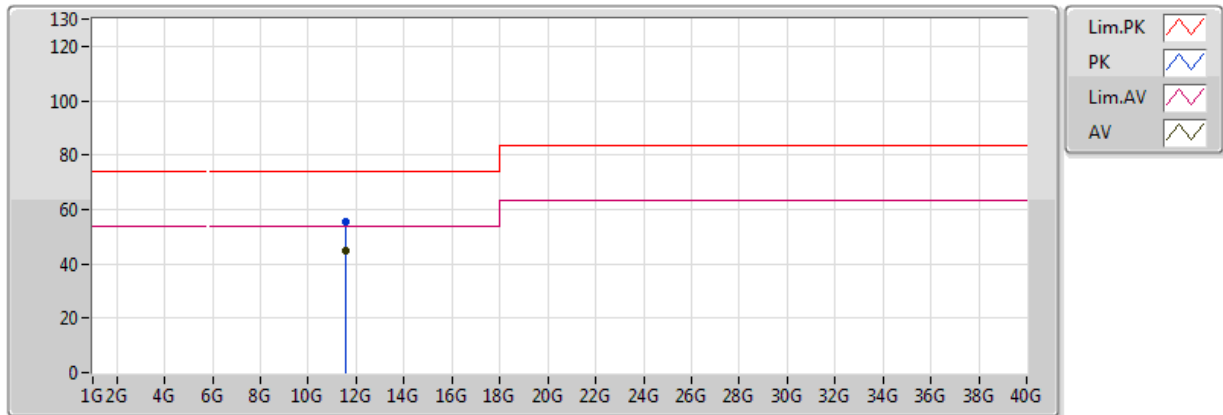


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	44.73	54.00	-9.27	13.49	3	V	360	1.50	-
PK	11.57G	56.37	74.00	-17.63	13.49	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

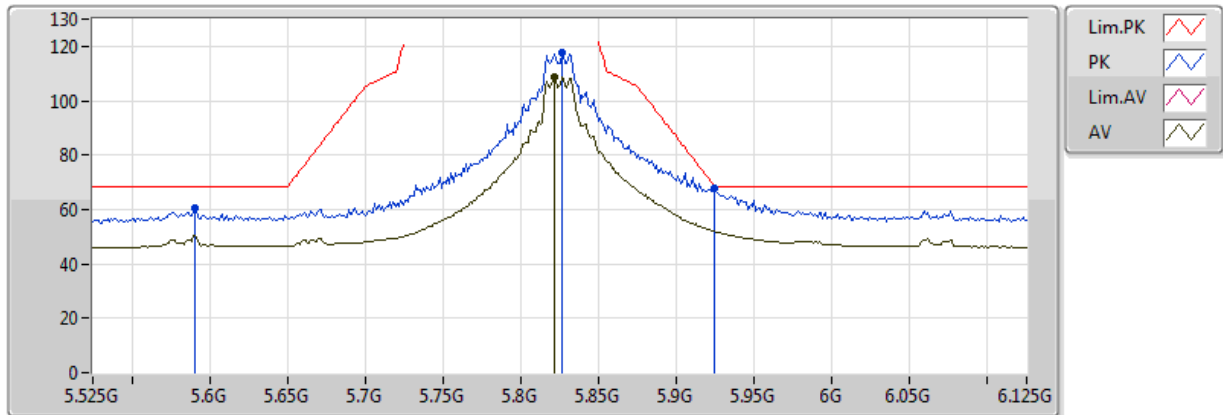


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	44.75	54.00	-9.25	13.49	3	H	0	1.50	-
PK	11.57G	55.48	74.00	-18.52	13.49	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

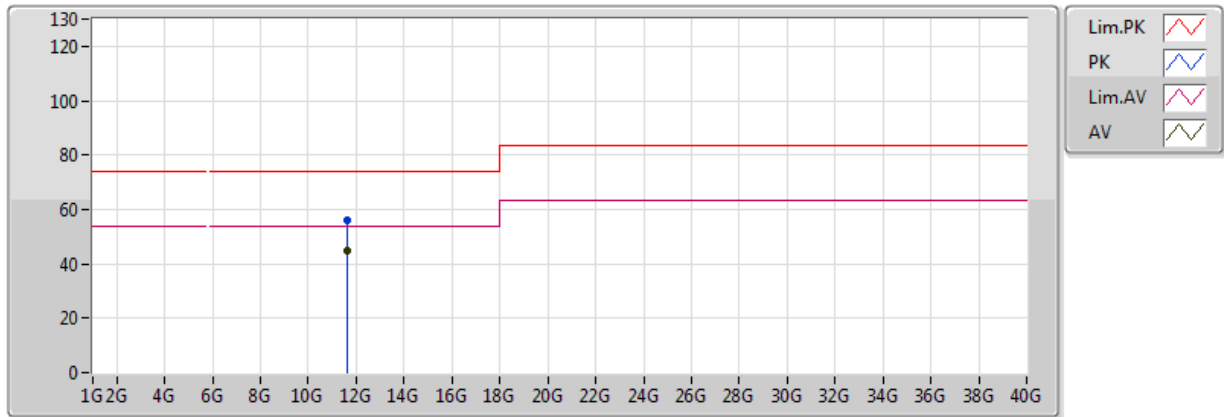


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8214G	108.50	Inf	-Inf	3.53	3	V	89	1.72	-
PK	5.591G	60.54	68.20	-7.66	3.34	3	V	89	1.72	-
PK	5.8262G	117.75	Inf	-Inf	3.53	3	V	89	1.72	-
PK	5.9246G	67.77	68.50	-0.72	3.62	3	V	89	1.72	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

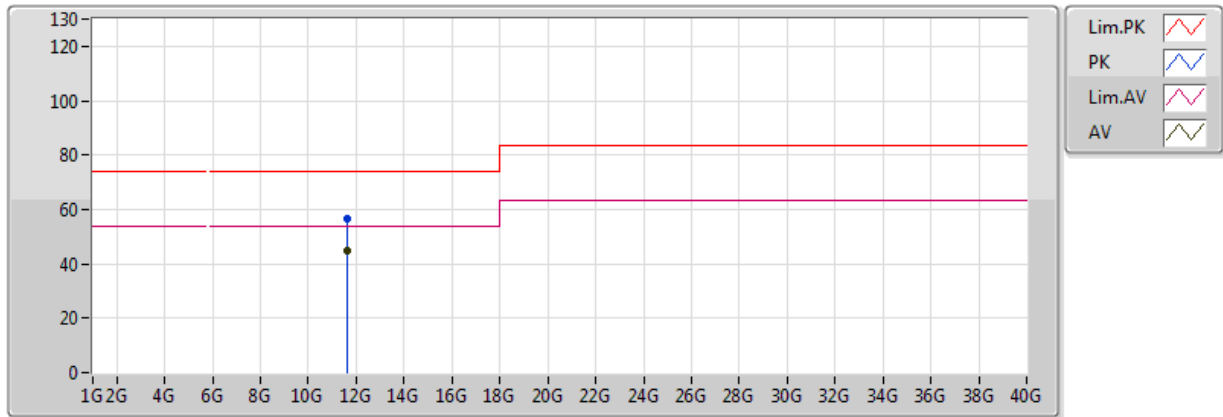


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	44.81	54.00	-9.19	13.35	3	V	360	1.50	-
PK	11.65G	56.24	74.00	-17.76	13.35	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

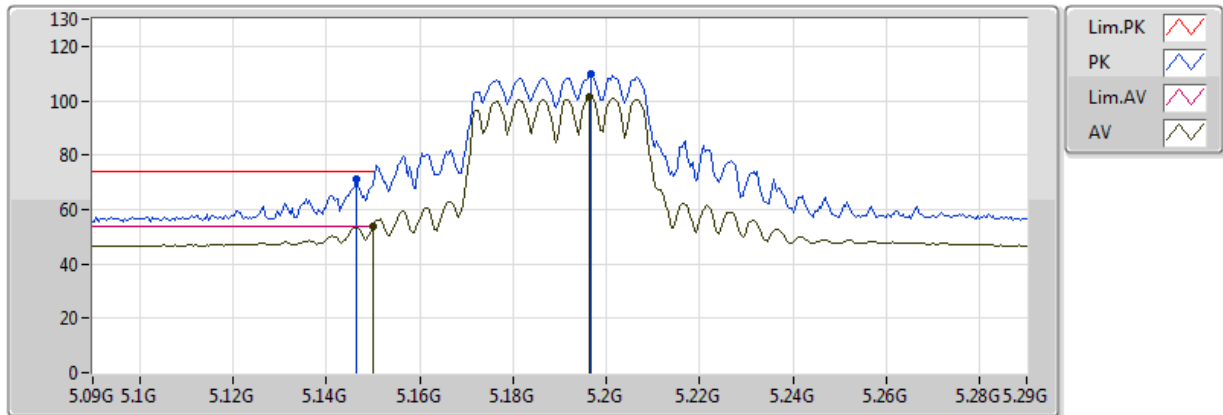


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	44.84	54.00	-9.16	13.35	3	H	0	1.50	-
PK	11.65G	56.47	74.00	-17.53	13.35	3	H	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

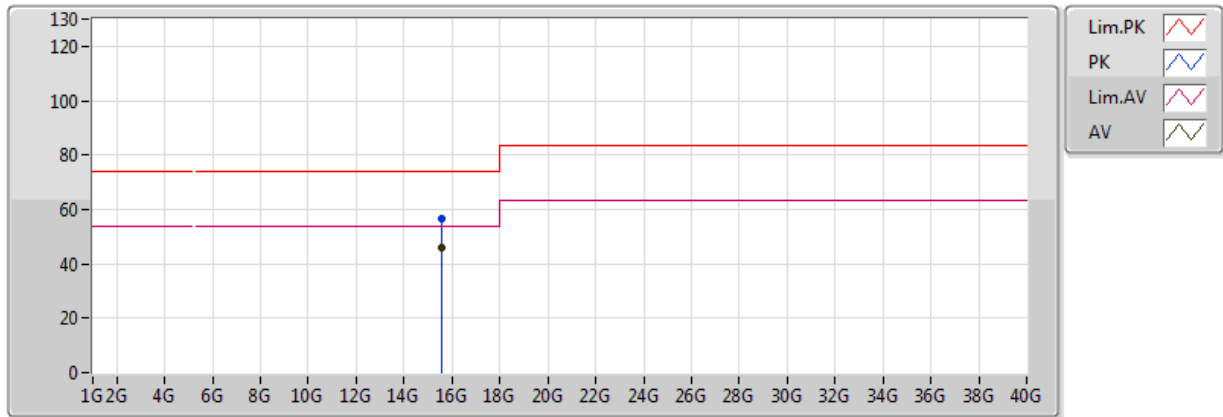


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.79	54.00	-0.21	2.90	3	V	83	1.26	-
AV	5.1964G	101.21	Inf	-Inf	2.95	3	V	83	1.26	-
PK	5.1464G	71.00	74.00	-3.00	2.90	3	V	83	1.26	-
PK	5.1968G	109.81	Inf	-Inf	2.95	3	V	83	1.26	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

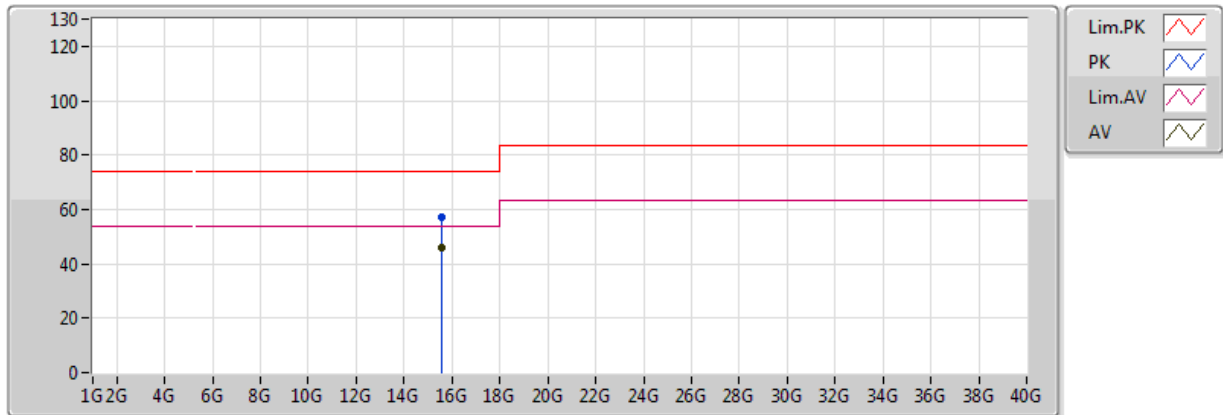


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.57G	45.76	54.00	-8.24	14.54	3	V	0	1.50	-
PK	15.57G	56.56	74.00	-17.44	14.54	3	V	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

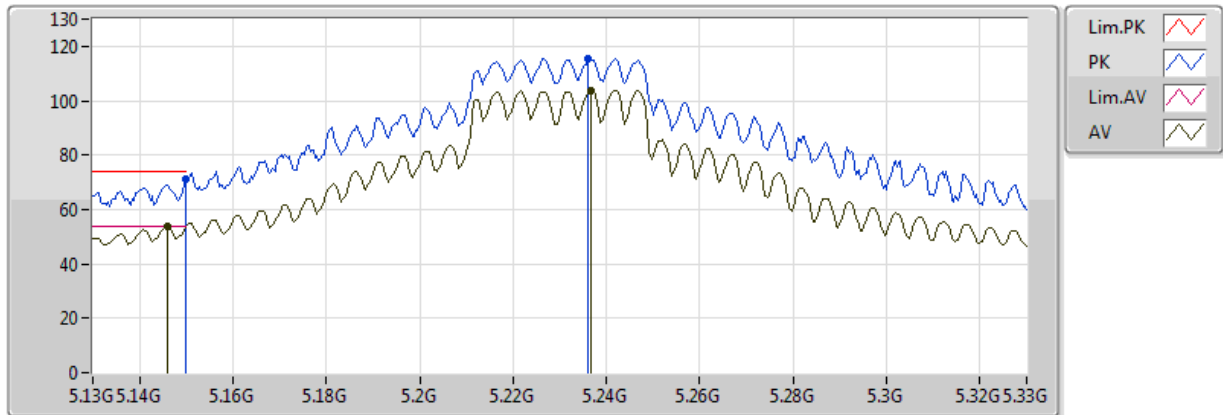


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.57G	45.77	54.00	-8.23	14.54	3	H	360	1.50	-
PK	15.57G	56.88	74.00	-17.12	14.54	3	H	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

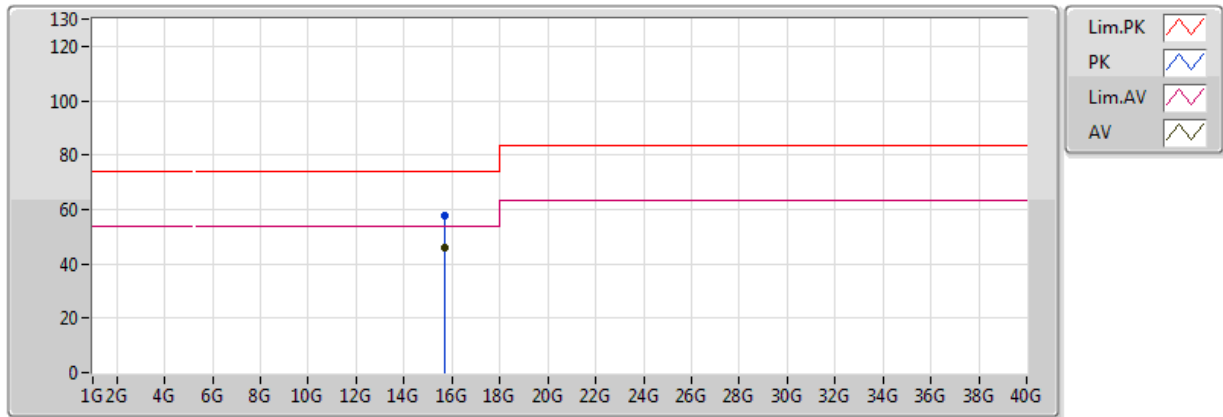


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.146G	53.76	54.00	-0.24	2.90	3	V	85	1.50	-
AV	5.2368G	103.93	Inf	-Inf	2.99	3	V	85	1.50	-
PK	5.149995G	71.34	74.00	-2.66	2.90	3	V	85	1.50	-
PK	5.236G	115.42	Inf	-Inf	2.99	3	V	85	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

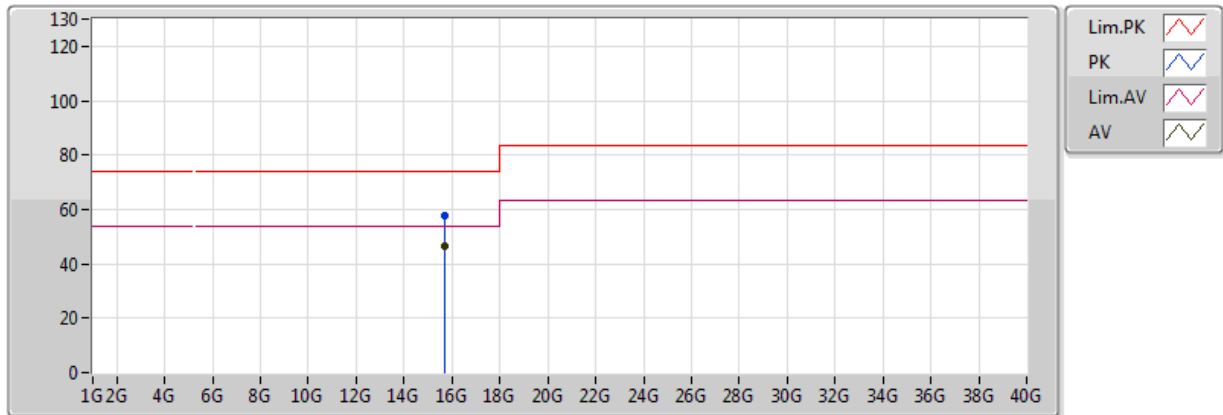


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.69G	46.18	54.00	-7.82	14.10	3	V	360	1.50	-
PK	15.69G	57.46	74.00	-16.54	14.10	3	V	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

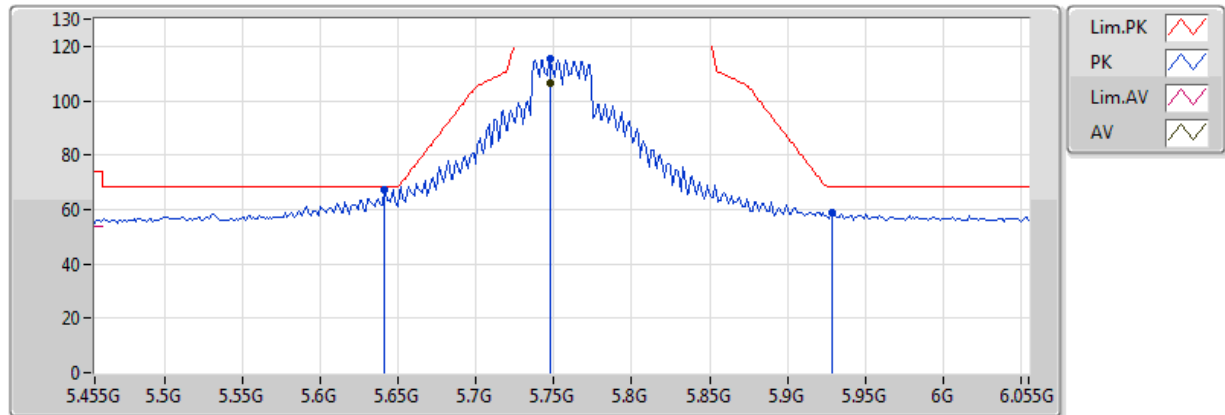


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.69G	46.23	54.00	-7.77	14.10	3	H	0	1.50	-
PK	15.69G	57.50	74.00	-16.50	14.10	3	H	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

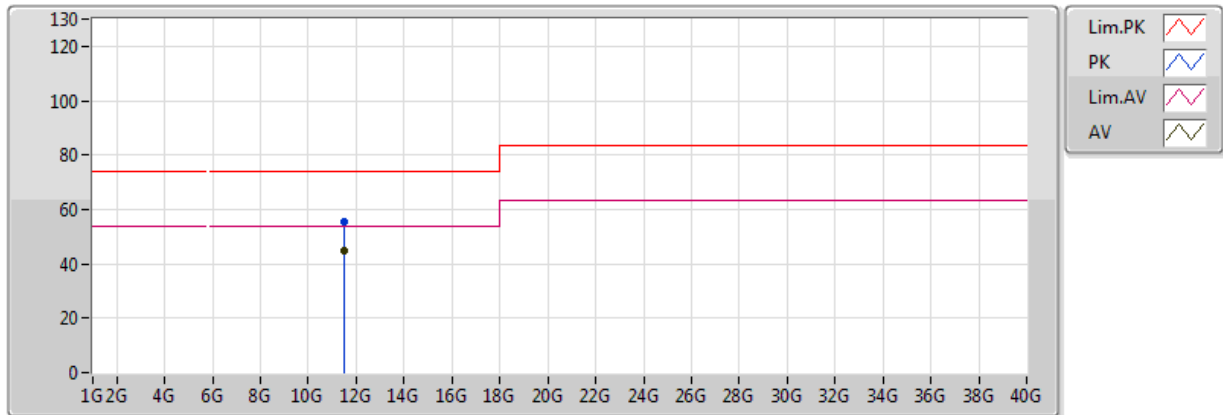


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7478G	106.28	Inf	-Inf	3.47	3	V	47	1.90	-
PK	5.641G	67.17	68.20	-1.03	3.39	3	V	47	1.90	-
PK	5.7478G	115.34	Inf	-Inf	3.47	3	V	47	1.90	-
PK	5.929G	58.79	68.20	-9.41	3.62	3	V	47	1.90	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

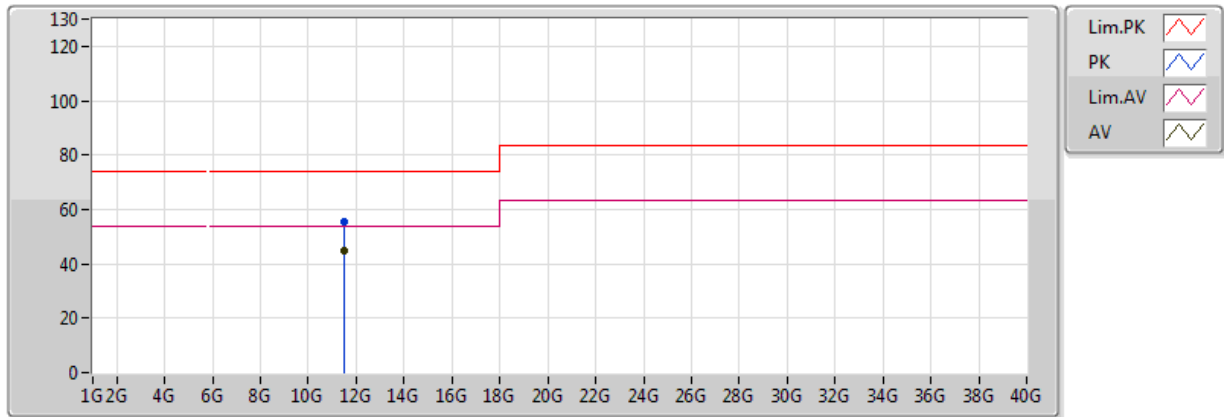


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.51G	44.76	54.00	-9.24	13.59	3	V	0	1.50	-
PK	11.51G	55.63	74.00	-18.37	13.59	3	V	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

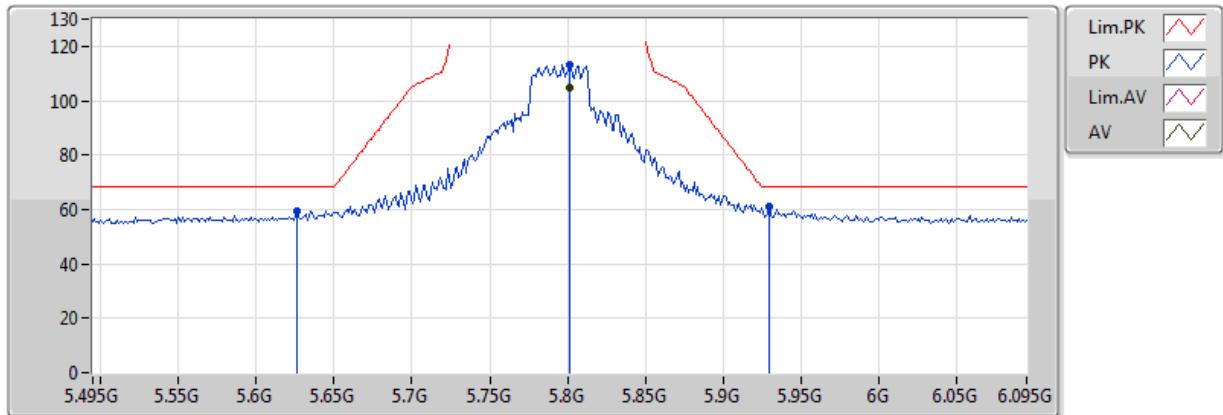


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.51G	44.78	54.00	-9.22	13.59	3	H	360	1.50	-
PK	11.51G	55.68	74.00	-18.32	13.59	3	H	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

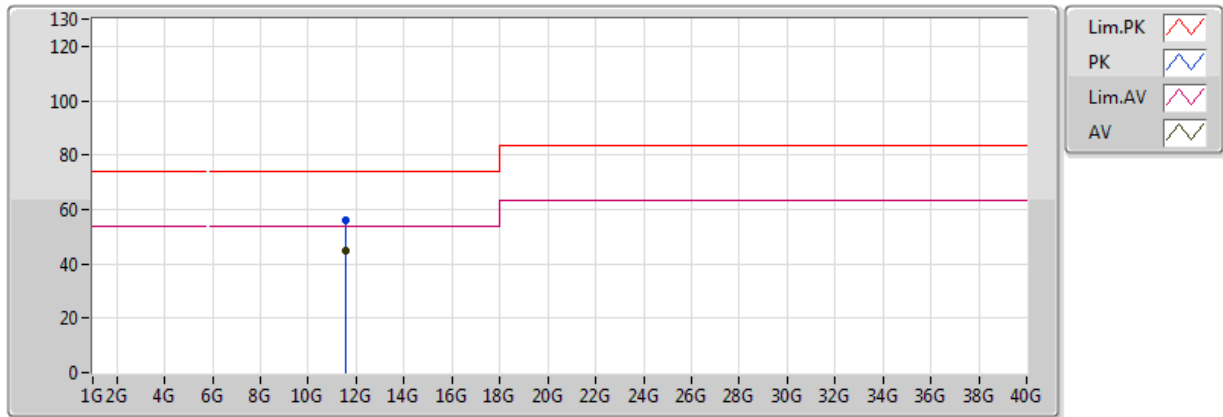


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.801G	104.86	Inf	-Inf	3.51	3	V	89	1.83	-
PK	5.6258G	59.31	68.20	-8.89	3.37	3	V	89	1.83	-
PK	5.801G	113.15	Inf	-Inf	3.51	3	V	89	1.83	-
PK	5.9294G	60.98	68.20	-7.22	3.62	3	V	89	1.83	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

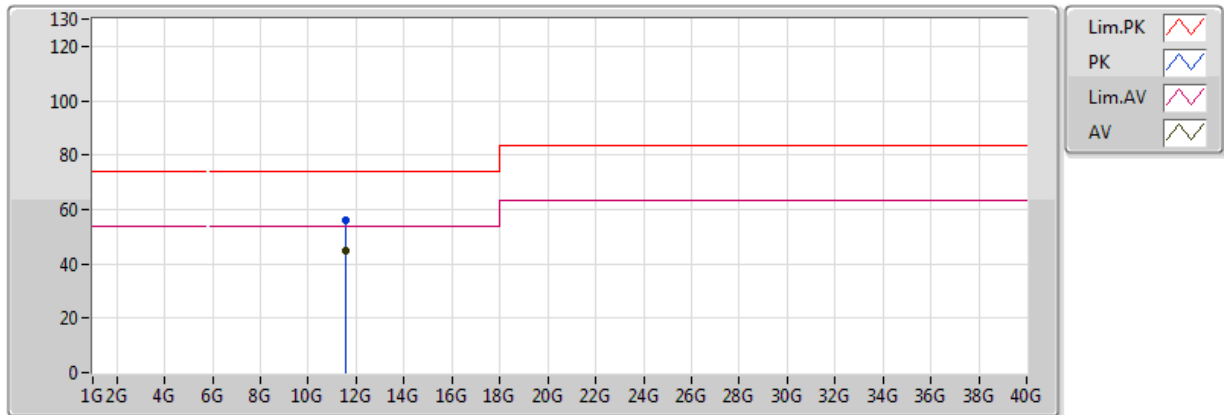


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.59G	44.84	54.00	-9.16	13.46	3	V	360	1.50	-
PK	11.59G	56.23	74.00	-17.77	13.46	3	V	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

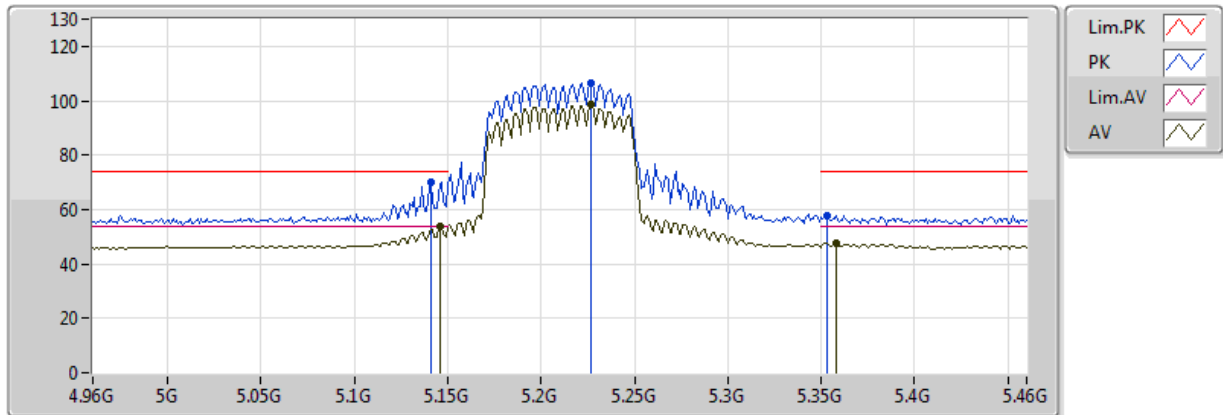


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.59G	44.76	54.00	-9.24	13.46	3	H	0	1.50	-
PK	11.59G	56.18	74.00	-17.82	13.46	3	H	0	1.50	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

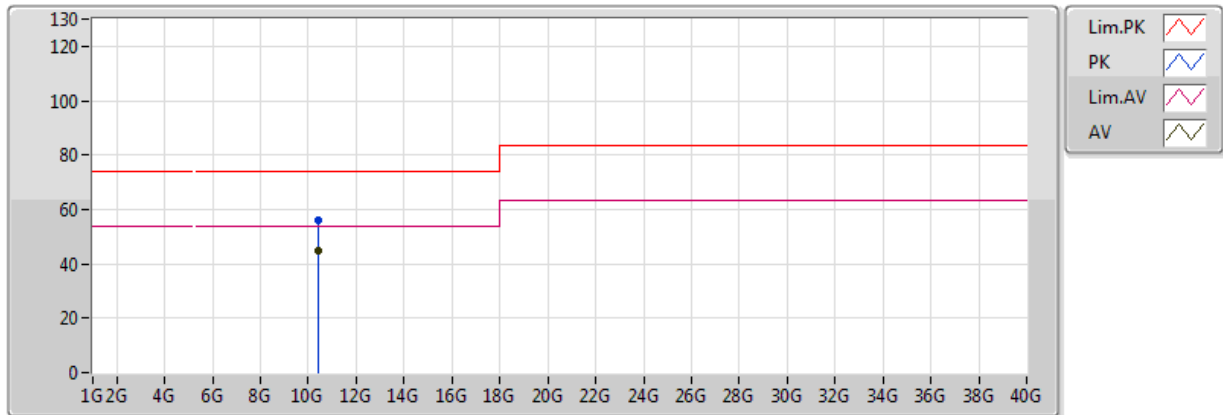


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.146G	53.85	54.00	-0.15	2.90	3	V	84	1.22	-
AV	5.227G	98.35	Inf	-Inf	2.98	3	V	84	1.22	-
AV	5.358G	47.54	54.00	-6.46	3.12	3	V	84	1.22	-
PK	5.141G	70.10	74.00	-3.90	2.89	3	V	84	1.22	-
PK	5.227G	106.72	Inf	-Inf	2.98	3	V	84	1.22	-
PK	5.353G	57.87	74.00	-16.13	3.11	3	V	84	1.22	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

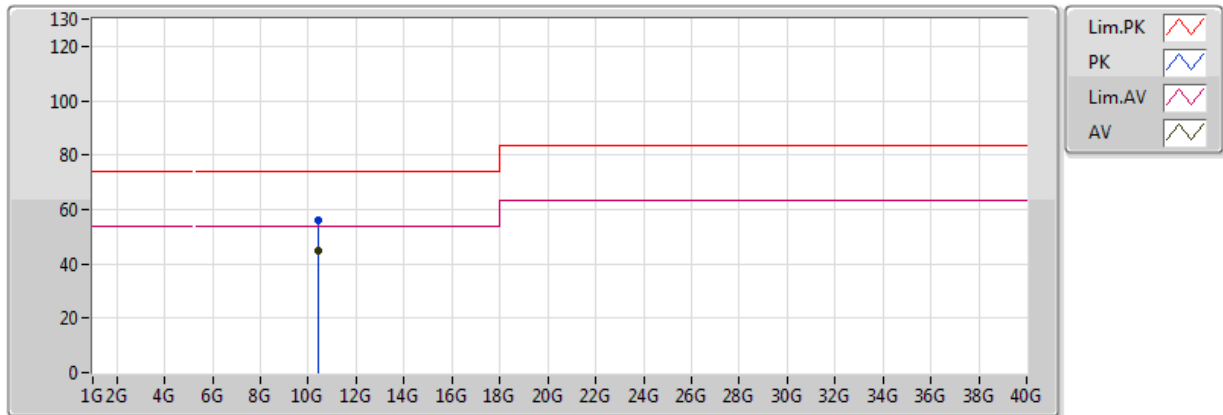


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.42G	44.77	54.00	-9.23	12.94	3	V	0	1.50	-
PK	10.42G	55.97	74.00	-18.03	12.94	3	V	0	1.50	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

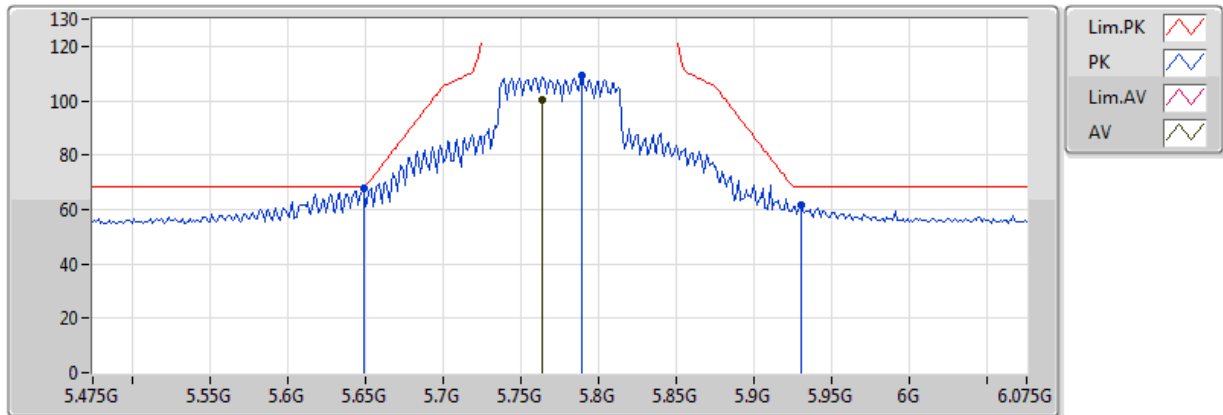


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.42G	44.78	54.00	-9.22	12.94	3	H	360	1.50	-
PK	10.42G	55.77	74.00	-18.23	12.94	3	H	360	1.50	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

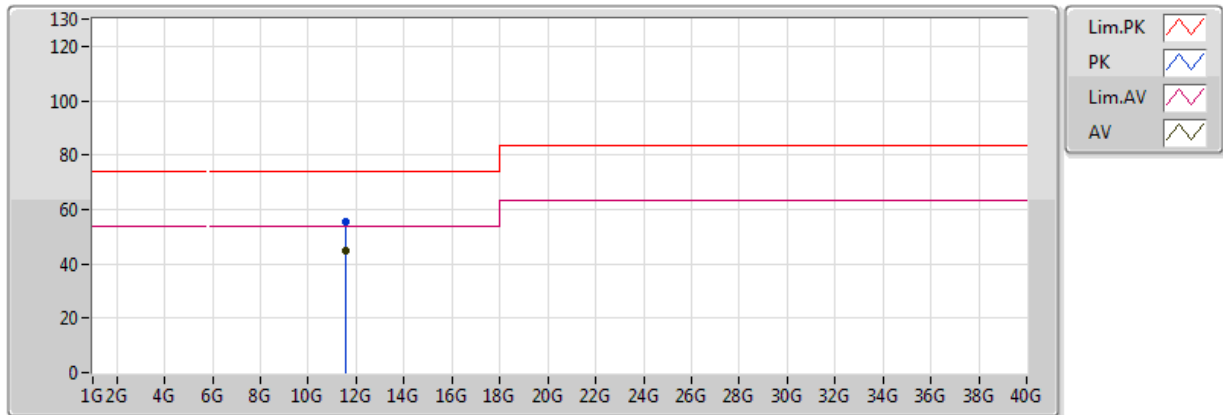


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7642G	100.11	Inf	-Inf	3.48	3	V	78	1.75	-
PK	5.649G	67.72	68.20	-0.48	3.39	3	V	78	1.75	-
PK	5.7894G	109.12	Inf	-Inf	3.50	3	V	78	1.75	-
PK	5.9298G	61.46	68.20	-6.74	3.62	3	V	78	1.75	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

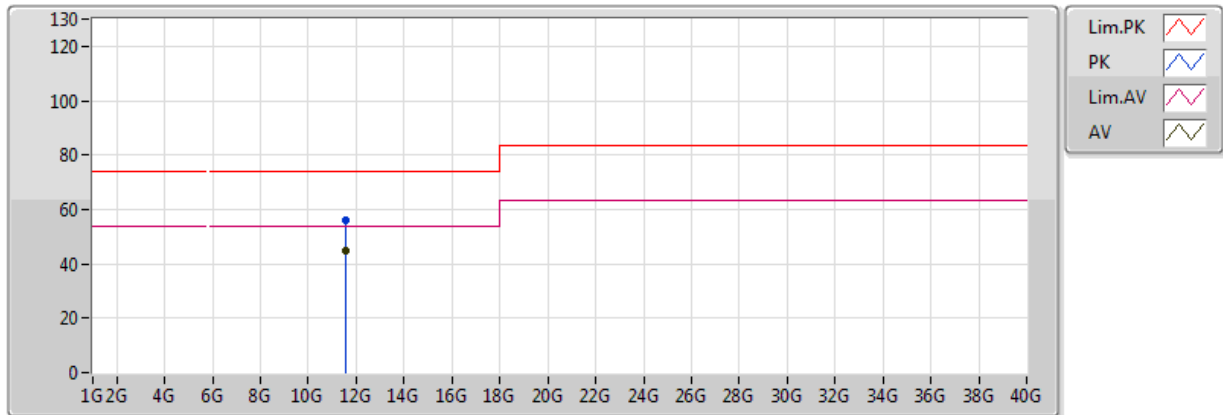


EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55G	44.72	54.00	-9.28	13.52	3	V	360	1.50	-
PK	11.55G	55.21	74.00	-18.79	13.52	3	V	360	1.50	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX



EUT : Z axis ANT : Y axis
eth2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55G	44.78	54.00	-9.22	13.52	3	H	0	1.50	-
PK	11.55G	56.16	74.00	-17.84	13.52	3	H	0	1.50	-



Frequency Stability Result

Appendix F

Summary

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
802.11a_(6Mbps)_3TX	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	5.18G	5.18005659G	10.925	20	1	0 min

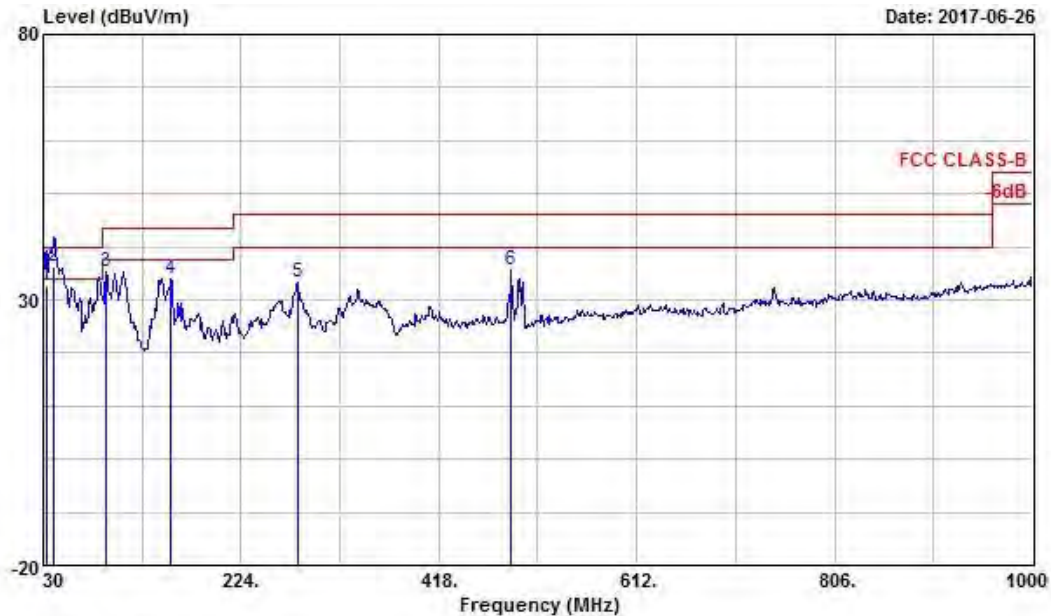


Result

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
802.11a_(6Mbps)_3TX	-	-	-	-	-	-	-
5180MHz_0°C	Pass	5.18G	5.18005659G	10.925	20	1	0 min
5180MHz_0°C	Pass	5.18G	5.18005659G	10.924	20	1	2 min
5180MHz_0°C	Pass	5.18G	5.18005658G	10.922	20	1	5 min
5180MHz_0°C	Pass	5.18G	5.18005658G	10.922	20	1	10 min
5180MHz_10°C	Pass	5.18G	5.18004461G	8.611	20	1	0 min
5180MHz_10°C	Pass	5.18G	5.18004459G	8.608	20	1	2 min
5180MHz_10°C	Pass	5.18G	5.18004457G	8.604	20	1	5 min
5180MHz_10°C	Pass	5.18G	5.18004455G	8.601	20	1	10 min
5180MHz_20°C	Pass	5.18G	5.18002631G	5.078	20	1	0 min
5180MHz_20°C	Pass	5.18G	5.1800263G	5.076	20	1	2 min
5180MHz_20°C	Pass	5.18G	5.18002627G	5.072	20	1	5 min
5180MHz_20°C	Pass	5.18G	5.18002625G	5.067	20	1	10 min
5180MHz_30°C	Pass	5.18G	5.18001411G	2.723	20	1	0 min
5180MHz_30°C	Pass	5.18G	5.18001397G	2.697	20	1	2 min
5180MHz_30°C	Pass	5.18G	5.18001382G	2.668	20	1	5 min
5180MHz_30°C	Pass	5.18G	5.18001368G	2.641	20	1	10 min
5180MHz_40°C	Pass	5.18G	5.17999257G	1.434	20	1	0 min
5180MHz_40°C	Pass	5.18G	5.17999252G	1.444	20	1	2 min
5180MHz_40°C	Pass	5.18G	5.17999247G	1.454	20	1	5 min
5180MHz_40°C	Pass	5.18G	5.17999245G	1.457	20	1	10 min
5180MHz_50°C	Pass	5.18G	5.17998039G	3.786	20	1	0 min
5180MHz_50°C	Pass	5.18G	5.17998036G	3.792	20	1	2 min
5180MHz_50°C	Pass	5.18G	5.17998033G	3.797	20	1	5 min
5180MHz_50°C	Pass	5.18G	5.1799803G	3.803	20	1	10 min
5180MHz_138V	Pass	5.18G	5.18002646G	5.107	20	1	0 min
5180MHz_138V	Pass	5.18G	5.18002643G	5.102	20	1	2 min
5180MHz_138V	Pass	5.18G	5.18002641G	5.098	20	1	5 min
5180MHz_138V	Pass	5.18G	5.18002639G	5.095	20	1	10 min
5180MHz_120V	Pass	5.18G	5.18002661G	5.138	20	1	0 min
5180MHz_120V	Pass	5.18G	5.18002658G	5.132	20	1	2 min
5180MHz_120V	Pass	5.18G	5.18002657G	5.129	20	1	5 min
5180MHz_120V	Pass	5.18G	5.18002653G	5.122	20	1	10 min
5180MHz_102V	Pass	5.18G	5.18002612G	5.042	20	1	0 min
5180MHz_102V	Pass	5.18G	5.18002609G	5.036	20	1	2 min
5180MHz_102V	Pass	5.18G	5.18002609G	5.036	20	1	5 min
5180MHz_102V	Pass	5.18G	5.18002606G	5.031	20	1	10 min

Radiated Emission Co-Location (Below 1GHz)

Operating Mode	3	Polarization	V
Operating Function	(Z Plane) FAP-U321EV + WiFi 2.4G+5G+BT , USB R/W + LAN 1Gbps (LAN2) + PoE Adapter(LAN1)		



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Preamp Factor	Cable Loss	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	32.700	32.48	-7.52	40.00	39.11	23.13	30.31	0.56	100	162 QP
2 @	40.530	36.35	-3.65	40.00	47.00	19.07	30.31	0.59	100	0 QP
3	92.100	35.18	-8.32	43.50	49.53	15.08	30.23	0.80	---	Peak
4	154.740	33.92	-9.58	43.50	46.12	16.79	30.01	1.02	---	Peak
5	278.940	33.36	-12.64	46.00	42.78	18.78	29.56	1.37	---	Peak
6	489.000	35.49	-10.51	46.00	40.26	23.90	30.48	1.82	---	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

