FCC Test Report

Equipment	:	**airCube AC**
Brand Name	:	**UBIQUITI**
Model No.	:	**ACB-AC**
FCC ID	:	**SWX-ACBAC**
Standard	:	**47 CFR FCC Part 15.407**
Operating Band	:	**5150 MHz – 5250 MHz** **5725 MHz – 5850 MHz**
Applicant / Manufacturer	:	**Ubiquiti Networks, Inc.** **2580 Orchard Parkway San Jose, CA 95131**
Function	:	**☐ Outdoor; ☒ Indoor; ☐ Fixed P2P** **☐ Client**
TPC Function	:	**TPC**

The product sample received on Apr. 07, 2017 and completely tested on May 05, 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.

Testing Laboratory
1190

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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

Revision History

Report No.	Version	Description	Issued Date
FR740631AN	Rev. 01	Initial issue of report	May 16, 2017

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, ac (VHT20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	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	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

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

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	-	-	internal antenna	I-PEX	5

Note: 1: 802.11a/ac used two antennas are for signal transmitting and receiving.(2T2R Spatial Multiplexing MIMO configuration)

1.1.3 EUT Information

Identify EUT				
SW / HW	N/A			
Operational Condition				
EUT Power Type	From AC Adapter			
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) ≥ 1/T
802.11a	0.952	0.214	1.35m	1k
802.11ac VHT20	0.949	0.227	1.272m	1k
802.11ac VHT40	0.901	0.453	637.5u	3k
802.11ac VHT80	0.786	1.046	321.875u	10k

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
- 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. 553509 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
RF Conducted	TH01-HY	Ryan	24.5°C / 63%	20/Apr/2017
Radiated	03CH03-HY	Thor	24.2°C / 58%	19/Apr/2017
AC Conduction	CO04-HY	Bear	21.4°C / 61%	05/May/2017

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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
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	Adapter mode
2	PoE mode
Mode 1 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 < 1GHz	CTX		
1	Adapter mode		
2	PoE mode		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT			V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 5GHz +WLAN 2.4GHz
Refer to Sporton Test Report No.: FA740631 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
AC Adapter 2 (US Plug)	**Brand Name**	UBIQUITI	**Model Name**	GP-R240-083
	Power Rating	I/P:100 - 240Vac, 0.5 A, O/P: 24Vdc, 0.83A		
	Power Cord	2.04 meter, non-shielded cable, w/o ferrite core		

Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

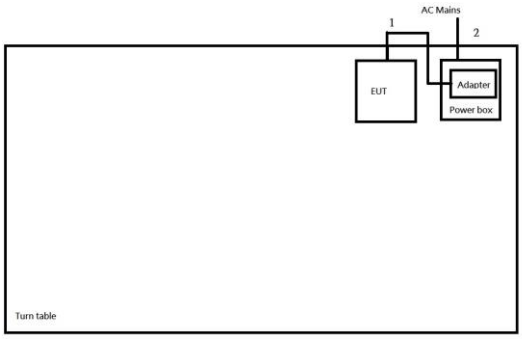
Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
-	-	-	-	-

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
-	-	-	-	-

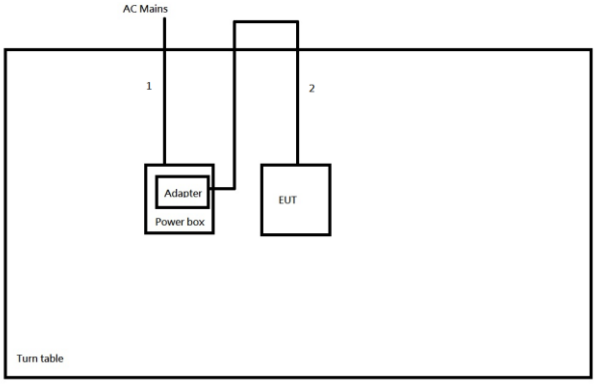
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test- Adapter mode



Item	Connection	Shielded	Length(m)	Remark
1	DC power line	No	2.04m	-
2	AC power line	No	1m	-

Test Setup Diagram - Radiated Test - Adapter mode

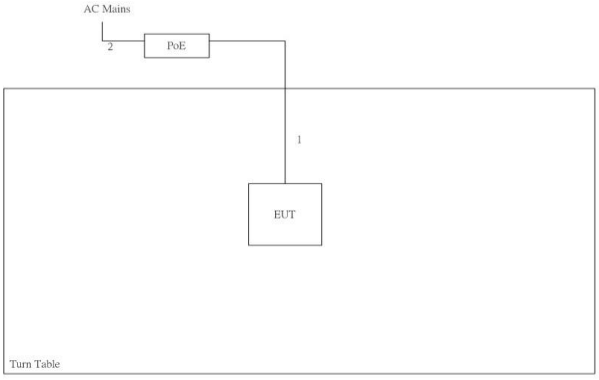


Item	Connection	Shielded	Length(m)	Remark
1	AC power line	No	1.8m	-
2	DC power line	No	2.04m	-

Test Setup Diagram – AC Line Conducted Emission Test- PoE mode

Item	Connection	Shielded	Length(m)	Remark
1	Lan cable	No	1m	-
2	AC power line	No	1.8m	-

Test Setup Diagram - Radiated Test - PoE mode



Item	Connection	Shielded	Length(m)	Remark
1	AC power line	No	1.8m	-
2	Lan cable	No	10m	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

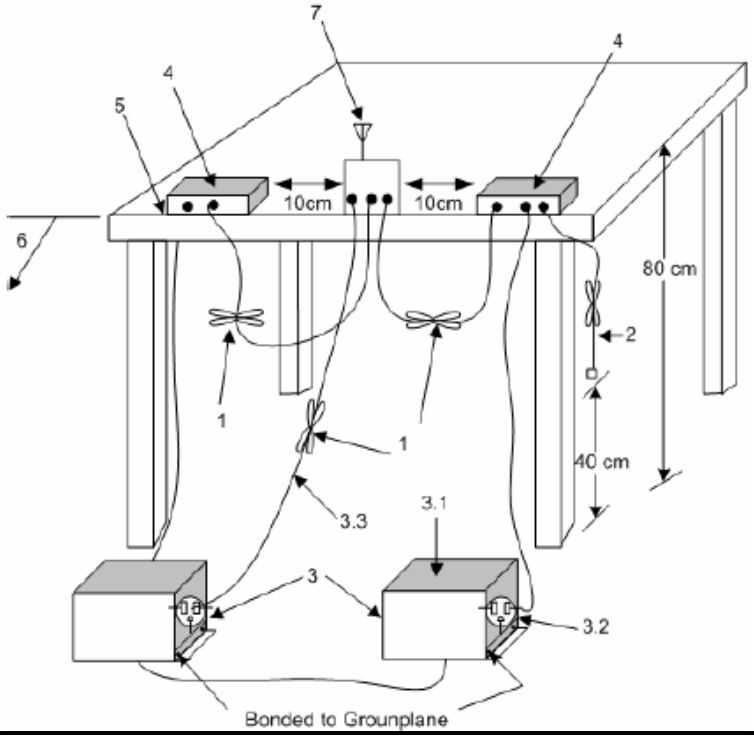
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

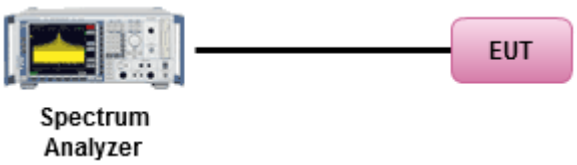
3.2.2 Measuring Instruments

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 IC RSS-Gen, clause 6.6 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

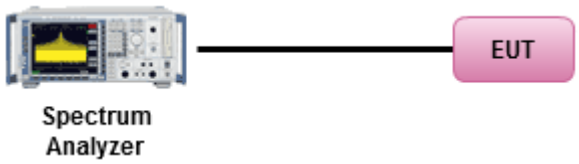
3.3.2 Measuring Instruments

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 ≥ 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

RF Output Power (Spectrum Analyzer)


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.	

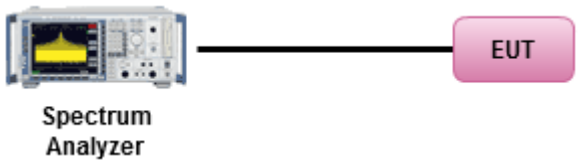
3.4.2 Measuring Instruments

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: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter 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).

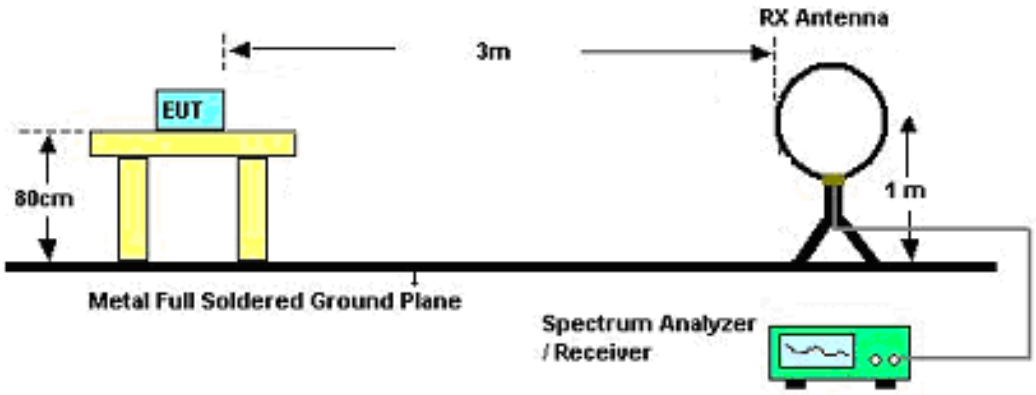
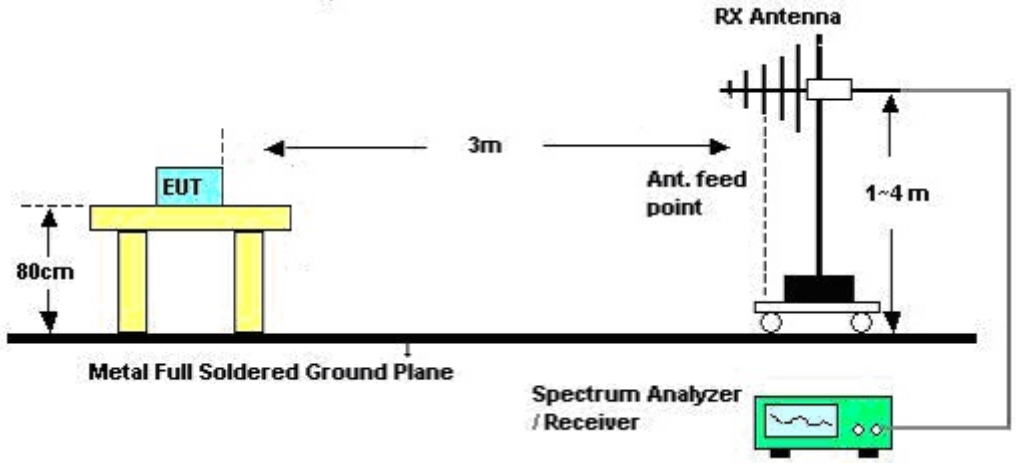
3.5.2 Measuring Instruments

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

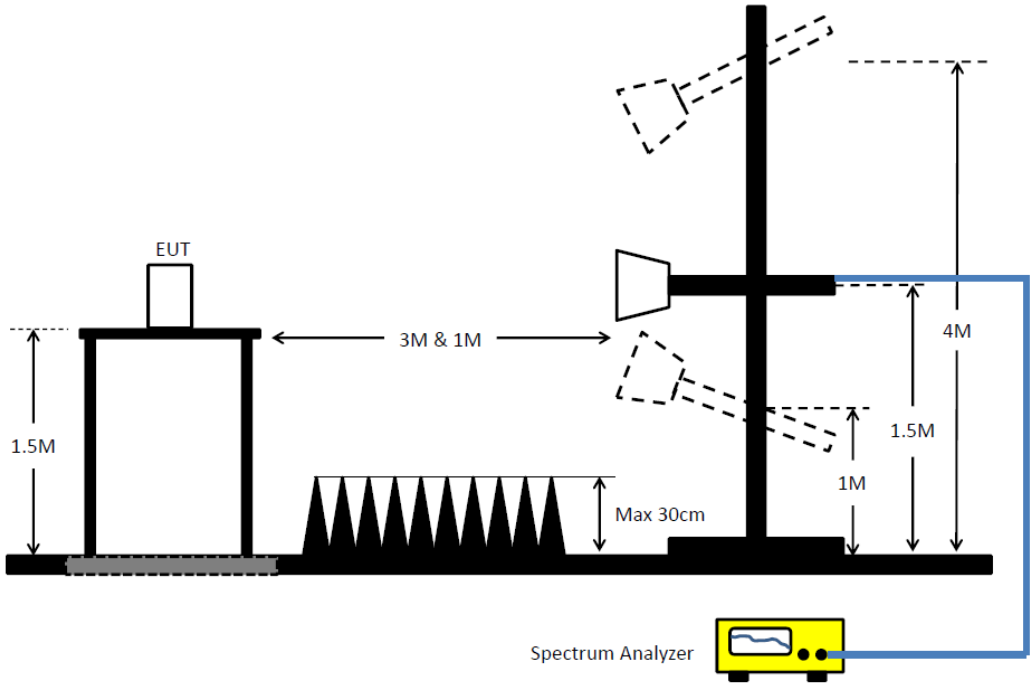
3.5.3 Test Procedures

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 ≥ 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

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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.
LE-LAN Devices
▪ N/A
IEEE Std. 802.11
▪ The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band.

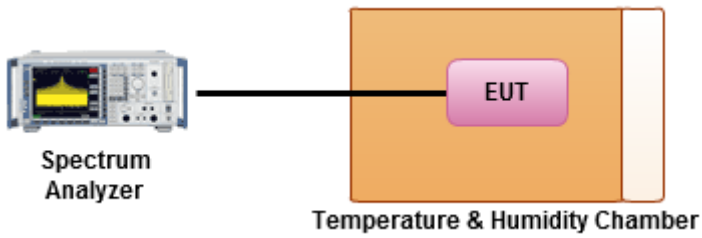
3.6.2 Measuring Instruments

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

Frequency Stability


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
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz ~ 30MHz	14/ Feb/2017	13/ Feb/2018

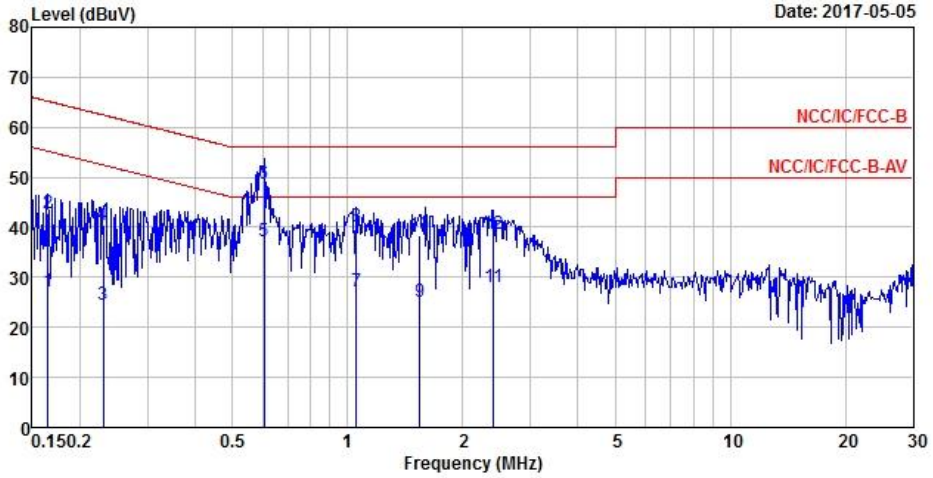
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz	28/Nov/2016	27/Nov/2017
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz	16/Dec/2016	15/Dec/2017
Amplifier	HP	8447D	2944A11146	10kHz ~ 1.3GHz	12/Sep/2016	12/Sep/2017
Amplifier	KEYSIGHT	83017A	MY53270197	1GHz ~ 26.5GHz	29/Aug/2016	28/Aug/2017
Spectrum	R&S	FSV40	101515	9kHz ~ 40GHz	28/Nov/2016	27/Nov/2017
Bilog Antenna	SCHAFFNER	CBL 6112D	2723	30MHz ~ 1GHz	01/Oct/2016	30/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1531	1GHz ~ 18GHz	22/Apr/2016	21/Apr/2017
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Amplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz ~ 40GHz	02/Jun/2015	01/Jun/2017
Loop Antenna	TESEQ	HLA 6120	24155	9 kHz~30 MHz	02/Mar/2017	01/Mar/2018
RF-Cable-high	SUHNER	SUHNER	CB222	1GHz ~ 40GHz	28/Oct/2016	27/Oct/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	27/Oct/2016	26/Oct/2017

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	30/Dec/2016	29/Dec/ 2017
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	21/Jul/2016	20/Jul/2017
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20 ~ 100℃	25/Apr/2016	24/Apr/2017
AC Power Source	G.W	APS-9102	EL920581	AC 0V ~ 300V	04/Jun/2016	03/Jun/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-1.5m	HUBER+SUHNER	SUCOFLEX_104	MY12582/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017

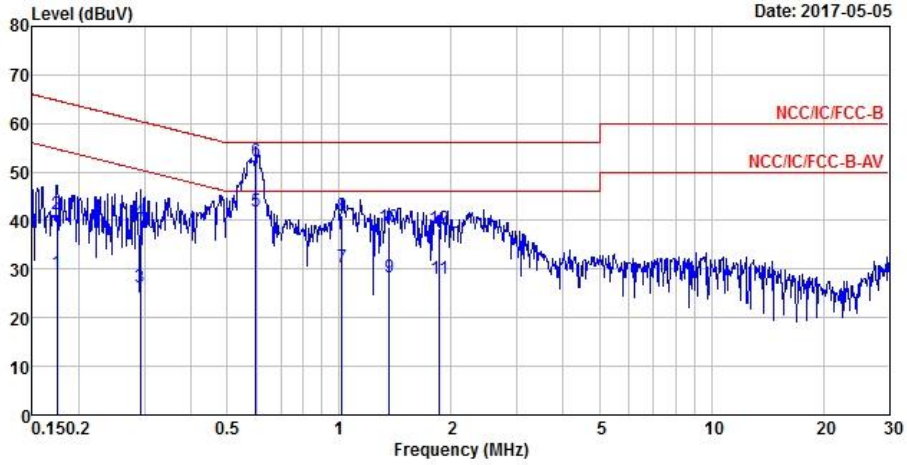
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.17	27.08	-28.13	55.21	26.80	0.03	0.25	Average
2	0.17	42.94	-22.27	65.21	42.66	0.03	0.25	QP
3	0.23	24.56	-27.88	52.44	24.27	0.03	0.26	Average
4	0.23	40.45	-21.99	62.44	40.16	0.03	0.26	QP
5	0.60	37.11	-8.89	46.00	36.97	0.04	0.10	Average
6 MAX	0.60	48.58	-7.42	56.00	48.44	0.04	0.10	QP
7	1.05	27.05	-18.95	46.00	26.89	0.05	0.11	Average
8	1.05	40.29	-15.71	56.00	40.13	0.05	0.11	QP
9	1.54	25.15	-20.85	46.00	24.87	0.06	0.22	Average
10	1.54	38.48	-17.52	56.00	38.20	0.06	0.22	QP
11	2.41	27.95	-18.05	46.00	27.63	0.07	0.25	Average
12	2.41	38.53	-17.47	56.00	38.21	0.07	0.25	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.)

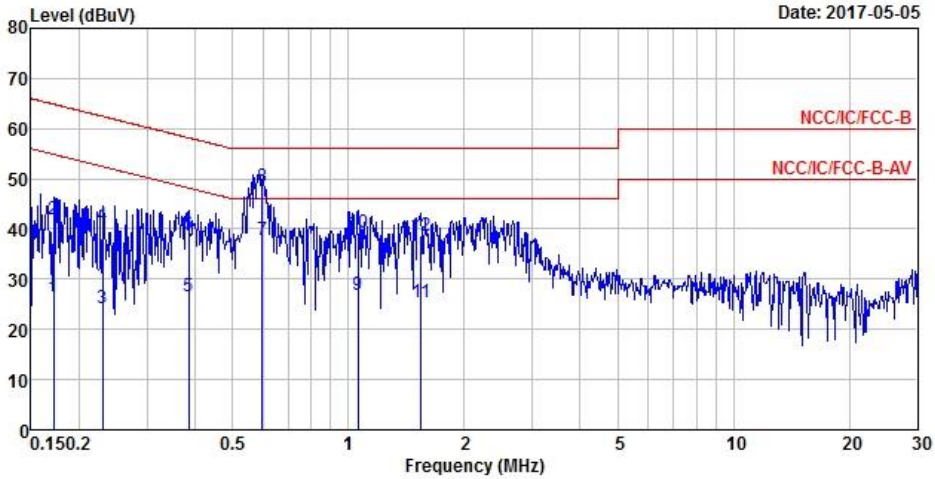
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Adapter mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.17	29.12	-25.60	54.72	28.79	0.07	0.26	Average
2	0.17	41.41	-23.31	64.72	41.08	0.07	0.26	QP
3	0.29	26.35	-24.11	50.46	26.09	0.07	0.19	Average
4	0.29	39.81	-20.65	60.46	39.55	0.07	0.19	QP
5	0.60	42.06	-3.94	46.00	41.88	0.08	0.10	Average
6 MAX	0.60	52.28	-3.72	56.00	52.10	0.08	0.10	QP
7	1.02	30.49	-15.51	46.00	30.30	0.09	0.10	Average
8	1.02	40.90	-15.10	56.00	40.71	0.09	0.10	QP
9	1.37	28.42	-17.58	46.00	28.13	0.10	0.19	Average
10	1.37	38.78	-17.22	56.00	38.49	0.10	0.19	QP
11	1.86	28.15	-17.85	46.00	27.75	0.12	0.28	Average
12	1.86	38.29	-17.71	56.00	37.89	0.12	0.28	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.)

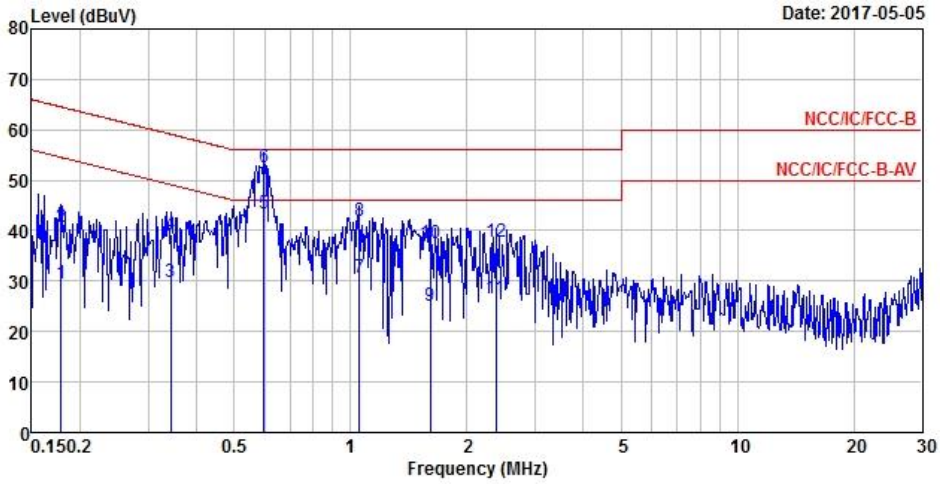
AC Power-line Conducted Emissions Result - Co-location			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.17	26.26	-28.64	54.90	25.97	0.03	0.26	Average
2	0.17	41.83	-23.07	64.90	41.54	0.03	0.26	QP
3	0.23	24.35	-28.12	52.47	24.06	0.03	0.26	Average
4	0.23	40.80	-21.67	62.47	40.51	0.03	0.26	QP
5	0.39	26.67	-21.50	48.17	26.53	0.03	0.11	Average
6	0.39	39.02	-19.15	58.17	38.88	0.03	0.11	QP
7	0.60	37.67	-8.33	46.00	37.53	0.04	0.10	Average
8 MAX	0.60	48.31	-7.69	56.00	48.17	0.04	0.10	QP
9	1.06	26.91	-19.09	46.00	26.74	0.05	0.12	Average
10	1.06	39.39	-16.61	56.00	39.22	0.05	0.12	QP
11	1.54	25.53	-20.47	46.00	25.25	0.06	0.22	Average
12	1.54	38.60	-17.40	56.00	38.32	0.06	0.22	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 - Co-location			
Operating Mode	1	**Power Phase**	Line
Operating Function	Adapter mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.18	29.53	-25.02	54.55	29.19	0.07	0.27	Average
2	0.18	40.70	-23.85	64.55	40.36	0.07	0.27	QP
3	0.34	29.68	-19.45	49.13	29.47	0.07	0.14	Average
4	0.34	39.16	-19.97	59.13	38.95	0.07	0.14	QP
5 MAX	0.60	43.43	-2.57	46.00	43.25	0.08	0.10	Average
6	0.60	52.52	-3.48	56.00	52.34	0.08	0.10	QP
7	1.05	30.77	-15.23	46.00	30.57	0.09	0.11	Average
8	1.05	41.82	-14.18	56.00	41.62	0.09	0.11	QP
9	1.61	25.09	-20.91	46.00	24.74	0.11	0.24	Average
10	1.61	37.41	-18.59	56.00	37.06	0.11	0.24	QP
11	2.37	26.69	-19.31	46.00	26.31	0.13	0.25	Average
12	2.37	37.85	-18.15	56.00	37.47	0.13	0.25	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)_2TX	-	-	-	-	-
5.15-5.25GHz	45.725M	27.986M	28M0D1D	34.65M	16.742M
5.725-5.85GHz	16.325M	19.215M	19M2D1D	16.275M	16.942M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	49.325M	29.31M	29M3D1D	36.05M	17.866M
5.725-5.85GHz	17.55M	19.89M	19M9D1D	17M	17.941M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	92.4M	40.33M	40M3D1D	44.25M	36.232M
5.725-5.85GHz	36.3M	48.076M	48M1D1D	35.1M	40.38M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	87.9M	75.762M	75M8D1D	87.1M	75.762M
5.725-5.85GHz	76.1M	75.962M	76M0D1D	75.7M	75.862M

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;

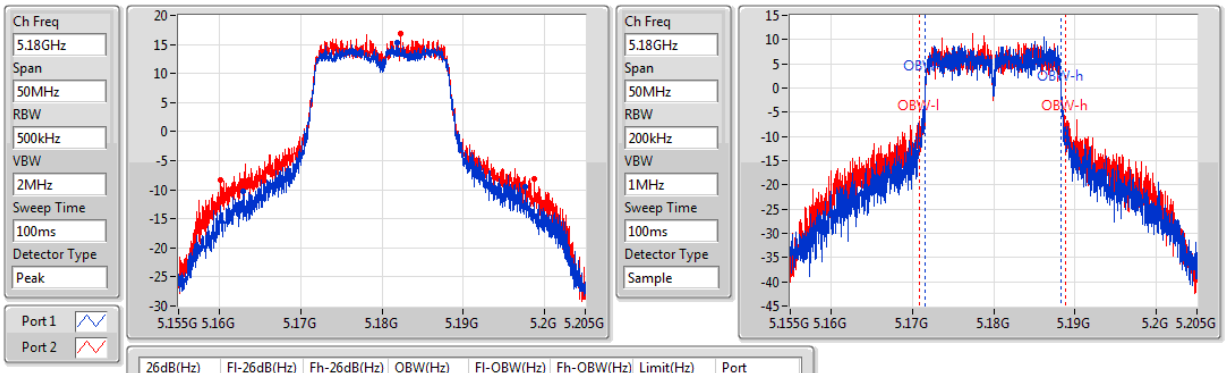
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	34.65M	16.742M	38.55M	17.891M
5200MHz	Pass	Inf	45.725M	25.012M	45.625M	27.986M
5240MHz	Pass	Inf	39.875M	17.091M	43.15M	19.615M
5745MHz	Pass	500k	16.325M	18.141M	16.325M	18.766M
5785MHz	Pass	500k	16.325M	17.091M	16.3M	17.866M
5825MHz	Pass	500k	16.3M	16.942M	16.275M	19.215M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	36.05M	17.866M	39.625M	18.366M
5200MHz	Pass	Inf	47.775M	26.887M	49.325M	29.31M
5240MHz	Pass	Inf	36.6M	18.016M	44.375M	18.791M
5745MHz	Pass	500k	17.55M	19.04M	17.55M	19.64M
5785MHz	Pass	500k	17.55M	18.591M	17.15M	19.89M
5825MHz	Pass	500k	17M	17.941M	17.175M	19.515M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	44.25M	36.282M	45.1M	36.232M
5230MHz	Pass	Inf	80.35M	36.882M	92.4M	40.33M
5755MHz	Pass	500k	35.65M	45.277M	35.65M	48.076M
5795MHz	Pass	500k	35.1M	40.38M	36.3M	45.077M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	87.1M	75.762M	87.9M	75.762M
5775MHz	Pass	500k	76.1M	75.962M	75.7M	75.862M

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)_2TX EBW

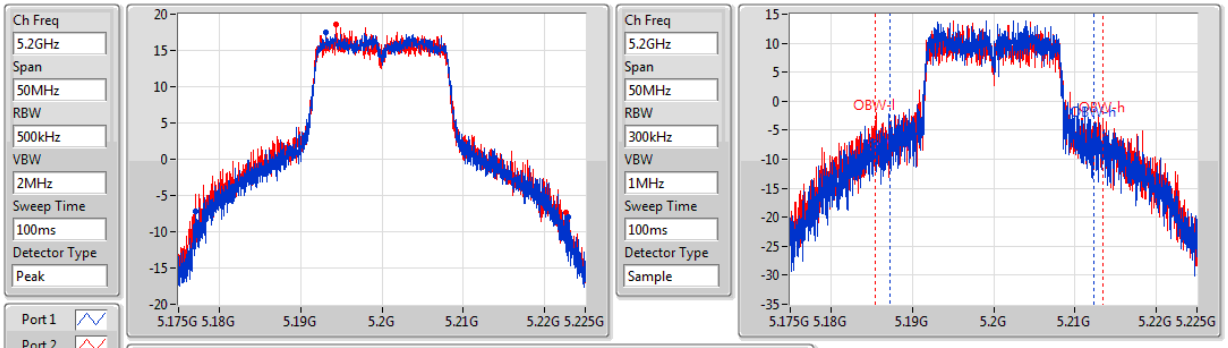
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.65M	5.163G	5.19765G	16.742M	5.171604G	5.188346G	Inf	1
38.55M	5.1602G	5.19875G	17.891M	5.170905G	5.188796G	Inf	2

802.11a_(6Mbps)_2TX EBW

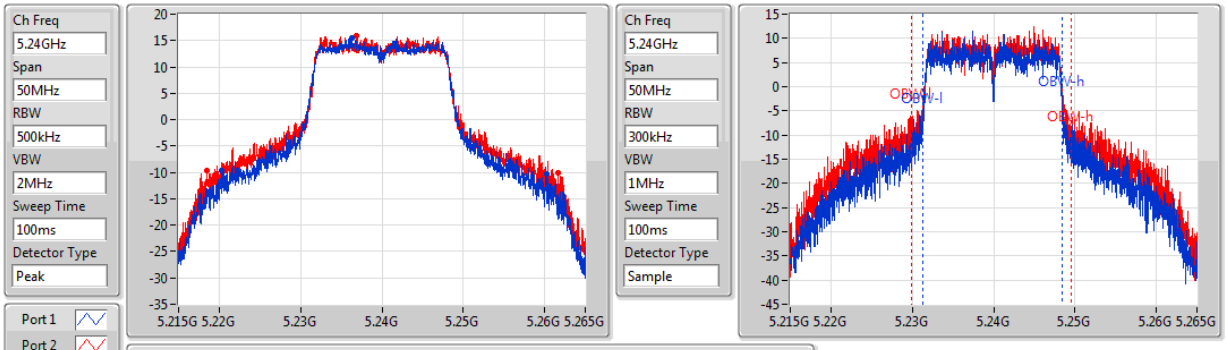
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.725M	5.17715G	5.222875G	25.012M	5.187306G	5.212319G	Inf	1
45.625M	5.177075G	5.2227G	27.986M	5.185507G	5.213493G	Inf	2

802.11a_(6Mbps)_2TX EBW

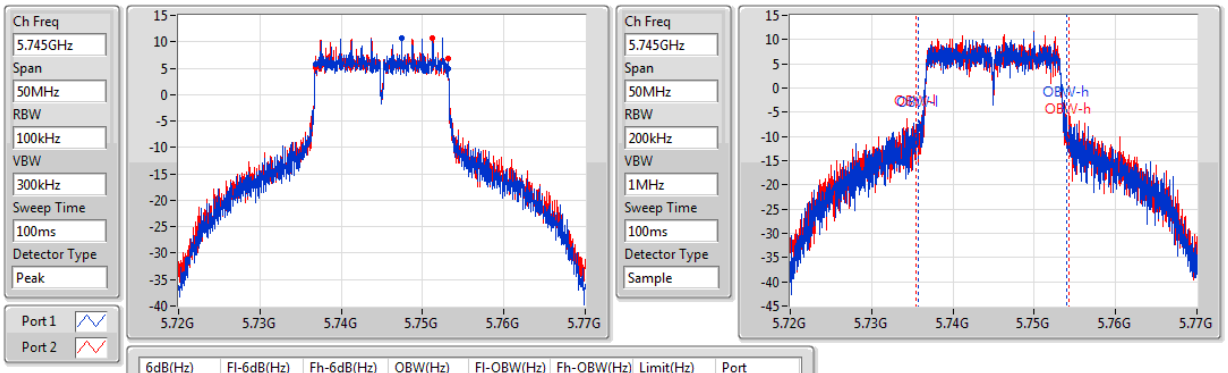
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.875M	5.220325G	5.2602G	17.091M	5.231354G	5.248446G	Inf	1
43.15M	5.21855G	5.2617G	19.615M	5.22993G	5.249545G	Inf	2

802.11a_(6Mbps)_2TX EBW

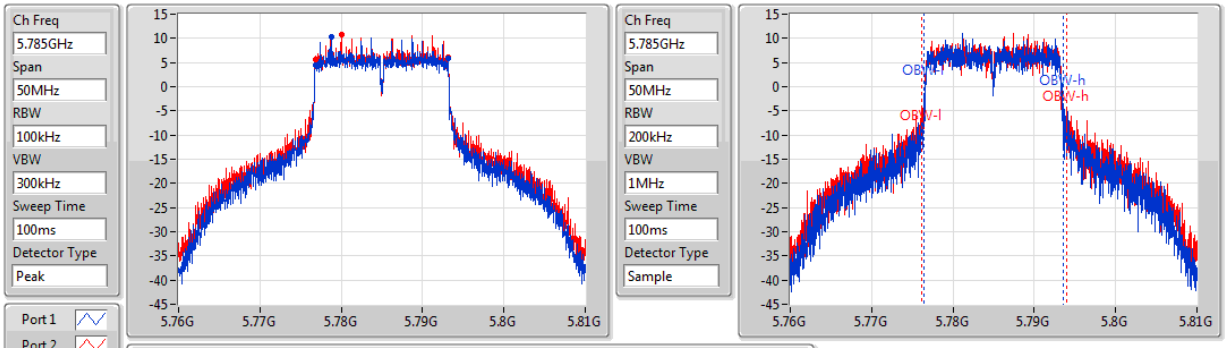
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.736825G	5.75315G	18.141M	5.73578G	5.753921G	500k	1
16.325M	5.7368G	5.753125G	18.766M	5.735455G	5.75422G	500k	2

802.11a_(6Mbps)_2TX EBW

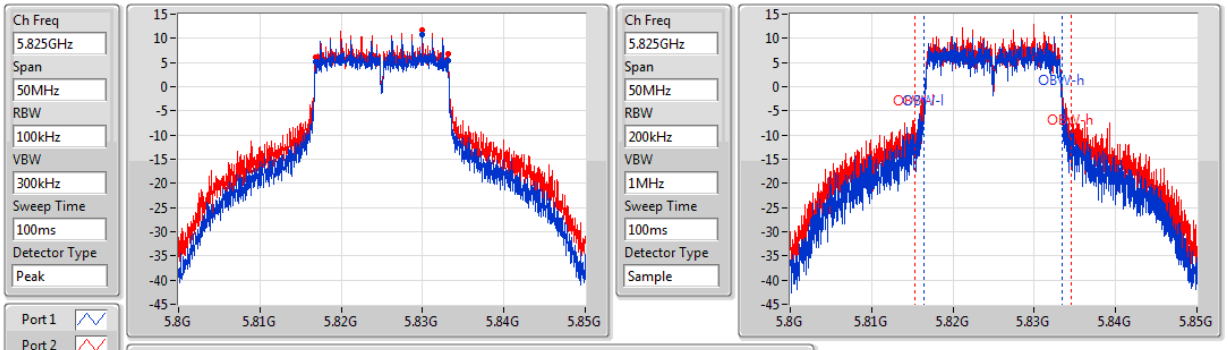
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.7768G	5.793125G	17.091M	5.776479G	5.793571G	500k	1
16.3M	5.776825G	5.793125G	17.866M	5.776154G	5.79402G	500k	2

802.11a_(6Mbps)_2TX EBW

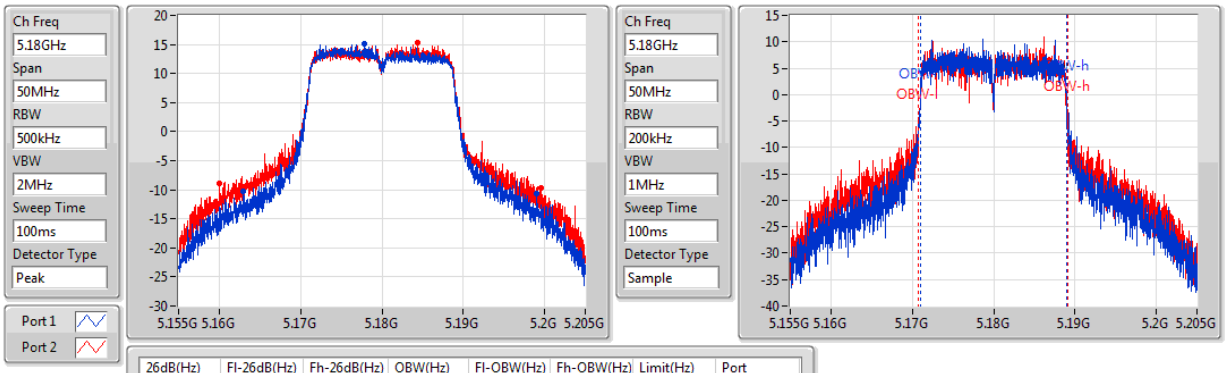
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.816825G	5.833125G	16.942M	5.816454G	5.833396G	500k	1
16.275M	5.81685G	5.833125G	19.215M	5.81533G	5.834545G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

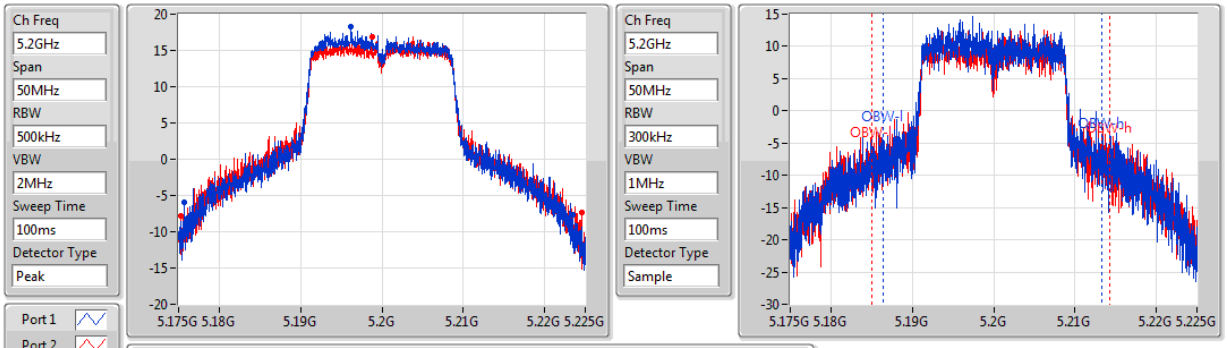
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	5.163G	5.19905G	17.866M	5.171054G	5.188921G	Inf	1
39.625M	5.159975G	5.1996G	18.366M	5.170755G	5.18912G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

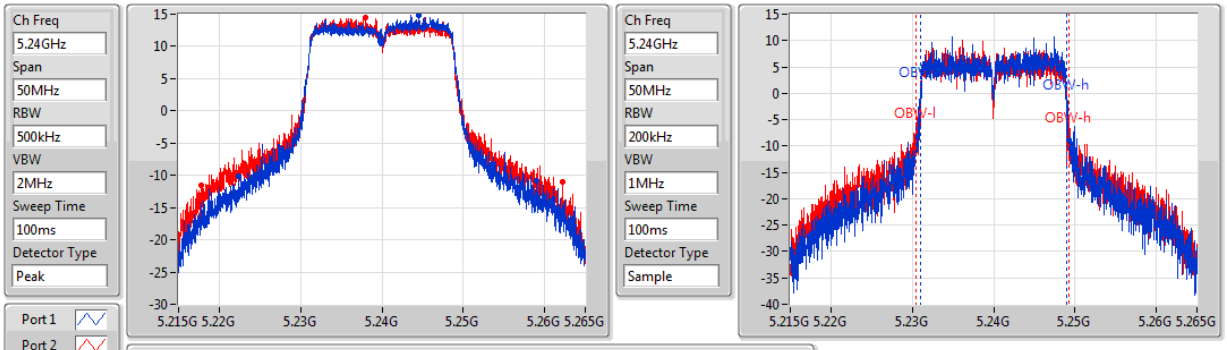
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
47.775M	5.175675G	5.22345G	26.887M	5.186382G	5.213268G	Inf	1
49.325M	5.17525G	5.224575G	29.31M	5.185032G	5.214343G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

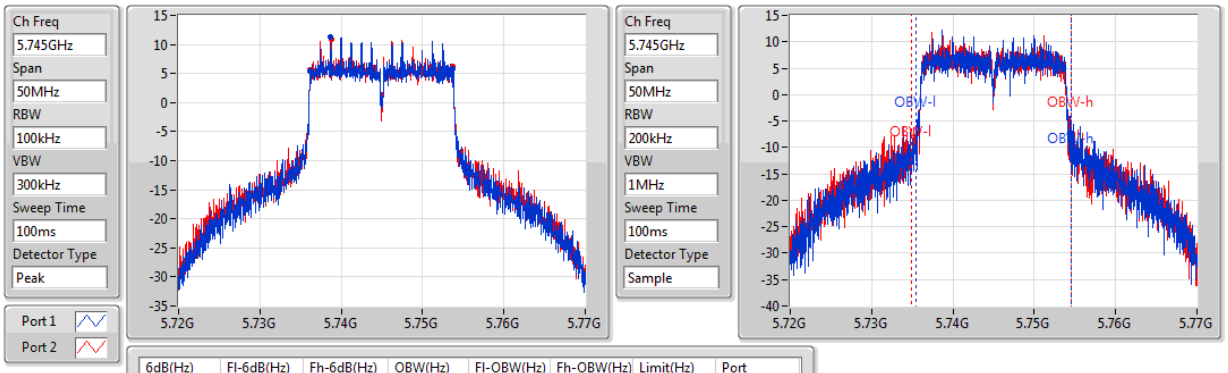
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.6M	5.222425G	5.259025G	18.016M	5.230955G	5.248971G	Inf	1
44.375M	5.2178G	5.262175G	18.791M	5.23043G	5.24922G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

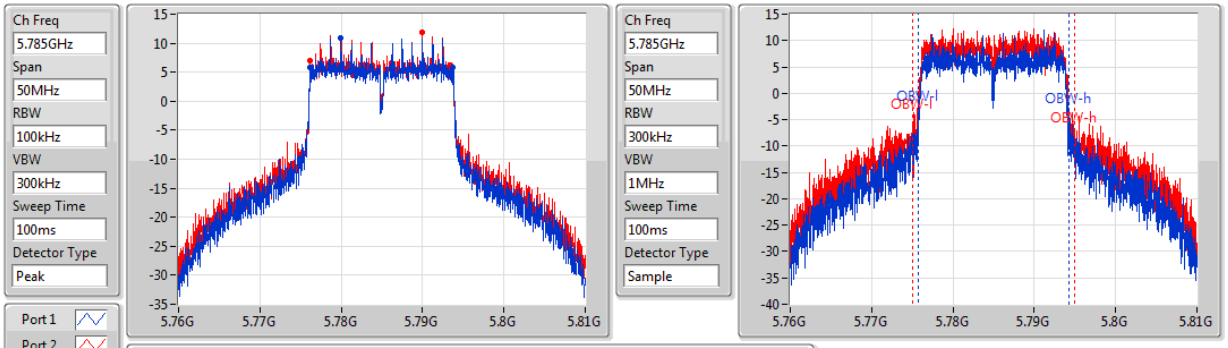
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.7362G	5.75375G	19.04M	5.735505G	5.754545G	500k	1
17.55M	5.7362G	5.75375G	19.64M	5.73493G	5.75457G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

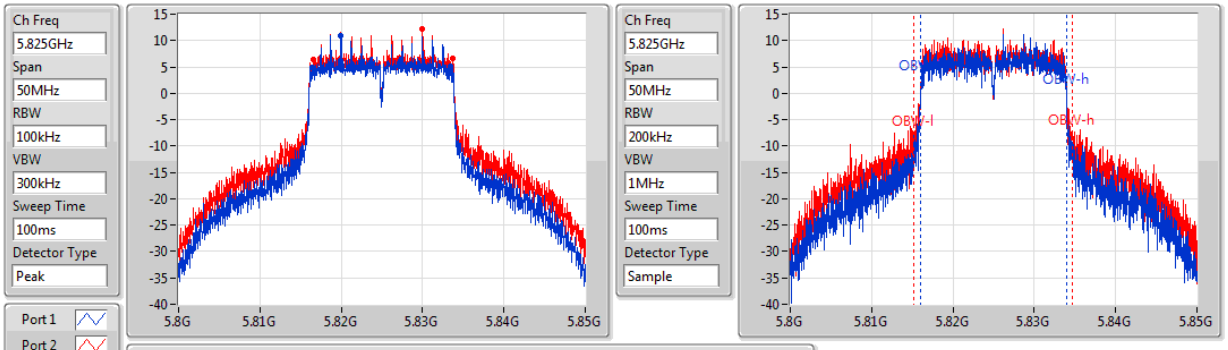
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.7762G	5.79375G	18.591M	5.77573G	5.79432G	500k	1
17.15M	5.776225G	5.793375G	19.89M	5.77503G	5.79492G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

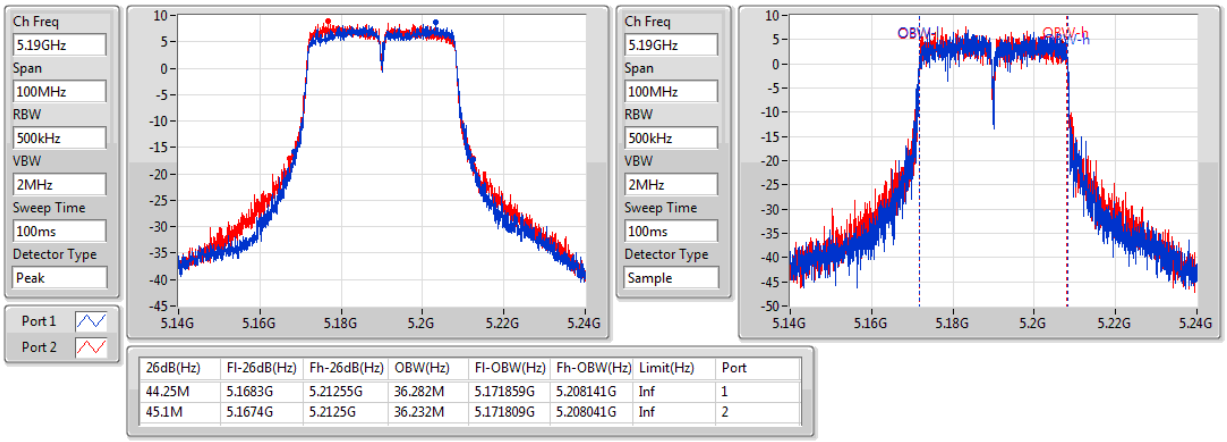
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17M	5.816475G	5.833475G	17.941M	5.816004G	5.833946G	500k	1
17.175M	5.816575G	5.83375G	19.515M	5.81523G	5.834745G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

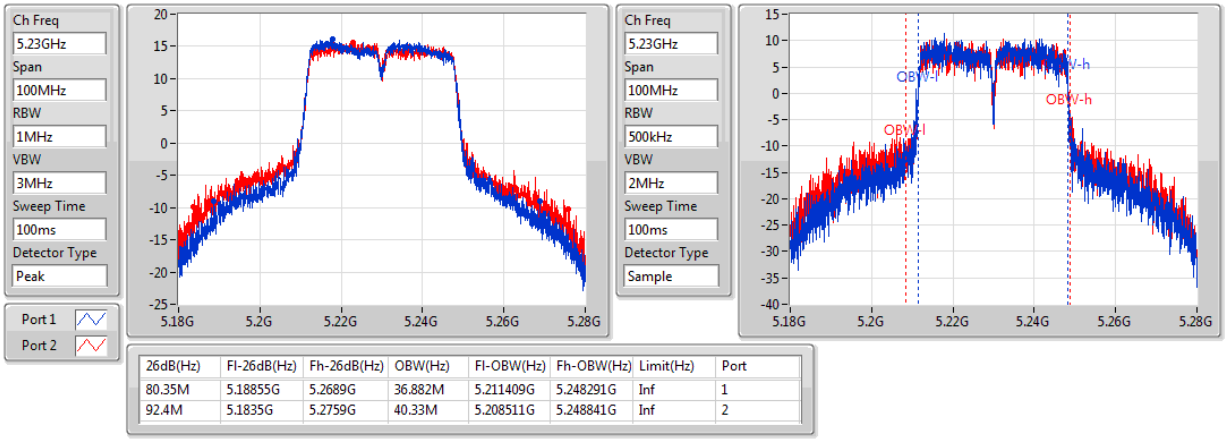
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.25M	5.1683G	5.21255G	36.282M	5.171859G	5.208141G	Inf	1
45.1M	5.1674G	5.2125G	36.232M	5.171809G	5.208041G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

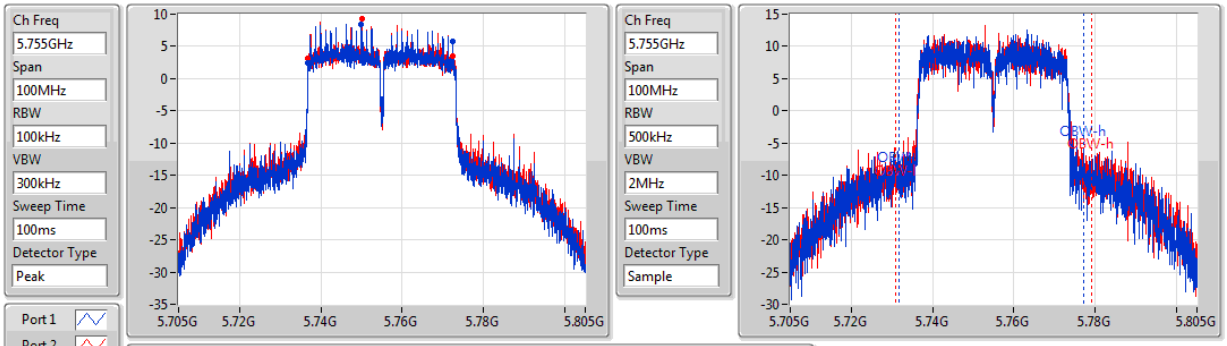
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.35M	5.18855G	5.2689G	36.882M	5.211409G	5.248291G	Inf	1
92.4M	5.1835G	5.2759G	40.33M	5.208511G	5.248841G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

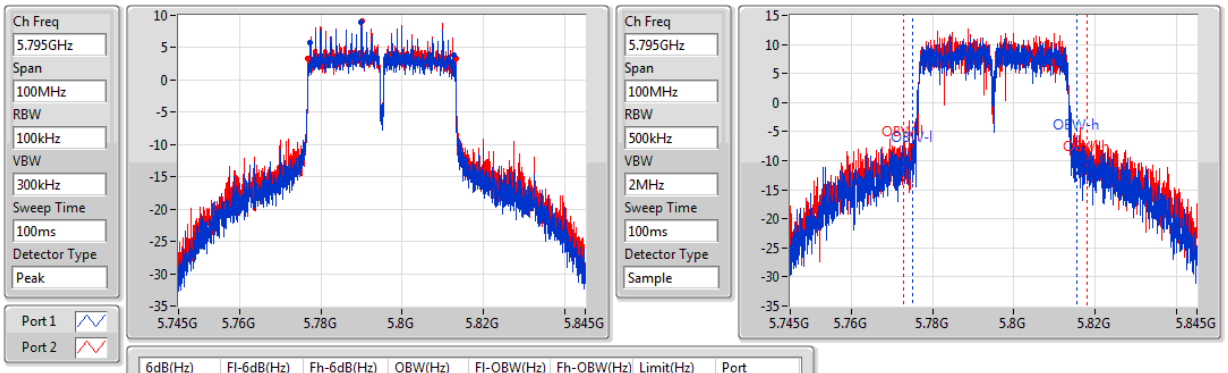
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.65M	5.73685G	5.7725G	45.277M	5.731862G	5.777139G	500k	1
35.65M	5.73685G	5.7725G	48.076M	5.730962G	5.779038G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

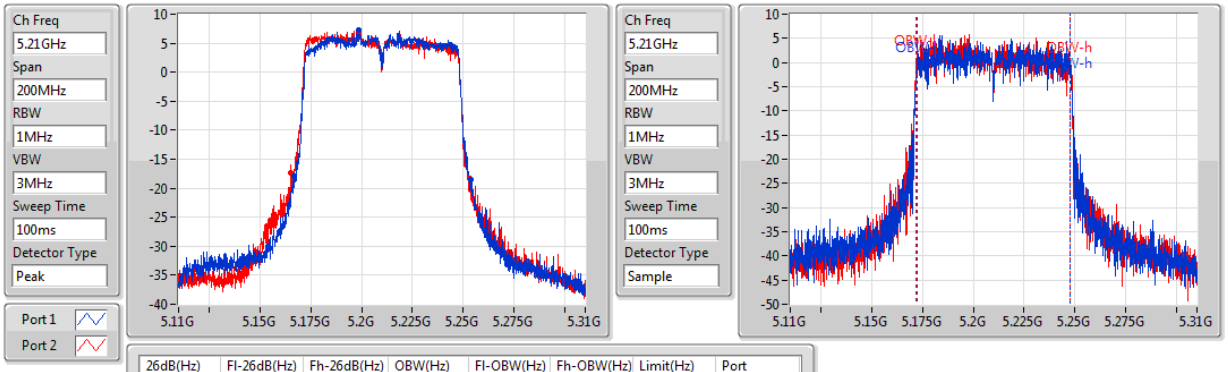
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	5.77745G	5.81255G	40.38M	5.77506G	5.81544G	500k	1
36.3M	5.77685G	5.81315G	45.077M	5.772811G	5.817889G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

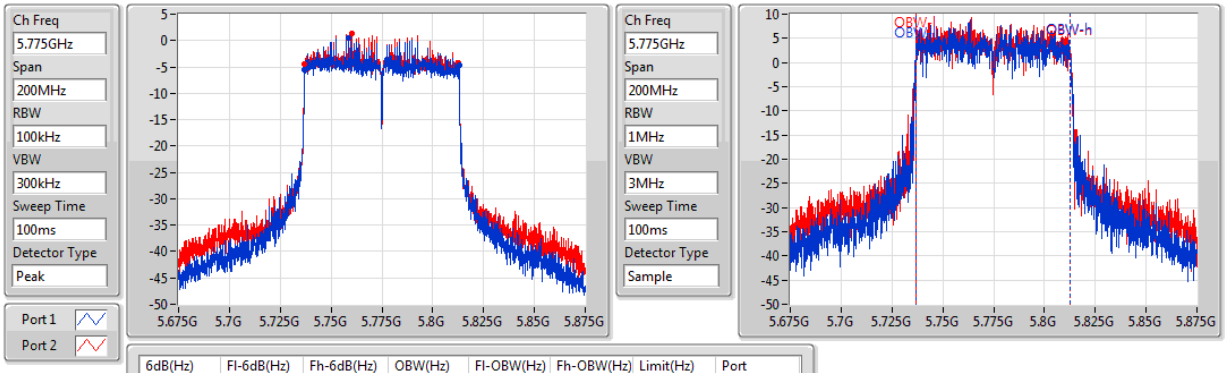
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
87.1M	5.1666G	5.2537G	75.762M	5.172119G	5.247881G	Inf	1
87.9M	5.1651G	5.253G	75.762M	5.172019G	5.247781G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.1M	5.7368G	5.8129G	75.962M	5.736819G	5.812781G	500k	1
75.7M	5.7368G	5.8125G	75.862M	5.736919G	5.812781G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_2TX	-	-	-	-
5.15-5.25GHz	26.27	0.42364	31.27	1.33968
5.725-5.85GHz	25.02	0.31769	30.02	1.00462
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	26.30	0.42658	31.30	1.34896
5.725-5.85GHz	25.06	0.32063	30.06	1.01391
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	24.24	0.26546	29.24	0.83946
5.725-5.85GHz	25.71	0.37239	30.71	1.17761
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	17.95	0.06237	22.95	0.19724
5.725-5.85GHz	20.56	0.11376	25.56	0.35975

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.00	21.19	21.36	24.29	30.00	29.29	36.00
5200MHz	Pass	5.00	23.52	22.99	26.27	30.00	31.27	36.00
5240MHz	Pass	5.00	21.50	21.25	24.39	30.00	29.39	36.00
5745MHz	Pass	5.00	21.98	22.04	25.02	30.00	30.02	36.00
5785MHz	Pass	5.00	21.53	21.92	24.74	30.00	29.74	36.00
5825MHz	Pass	5.00	21.31	22.23	24.80	30.00	29.80	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.00	21.38	21.31	24.35	30.00	29.35	36.00
5200MHz	Pass	5.00	23.58	22.98	26.30	30.00	31.30	36.00
5240MHz	Pass	5.00	21.08	20.83	23.97	30.00	28.97	36.00
5745MHz	Pass	5.00	22.00	22.10	25.06	30.00	30.06	36.00
5785MHz	Pass	5.00	21.84	22.23	25.05	30.00	30.05	36.00
5825MHz	Pass	5.00	21.32	22.20	24.79	30.00	29.79	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.00	17.47	17.41	20.45	30.00	25.45	36.00
5230MHz	Pass	5.00	21.11	21.35	24.24	30.00	29.24	36.00
5755MHz	Pass	5.00	22.61	22.79	25.71	30.00	30.71	36.00
5795MHz	Pass	5.00	22.27	22.59	25.44	30.00	30.44	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.00	14.86	15.03	17.95	30.00	22.95	36.00
5775MHz	Pass	5.00	17.24	17.84	20.56	30.00	25.56	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_2TX	-	-
5.15-5.25GHz	13.19	21.20
5.725-5.85GHz	10.47	18.48
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	12.97	20.98
5.725-5.85GHz	10.33	18.34
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	8.37	16.38
5.725-5.85GHz	8.16	16.17
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	-0.53	7.48
5.725-5.85GHz	0.66	8.67

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

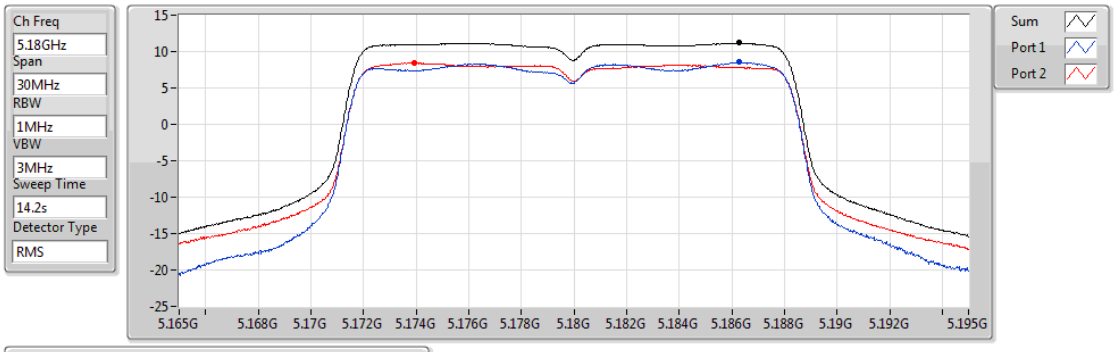
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.01	8.53	8.45	11.19	14.99	19.20	Inf
5200MHz	Pass	8.01	10.69	9.87	13.19	14.99	21.20	Inf
5240MHz	Pass	8.01	8.70	8.39	11.35	14.99	19.36	Inf
5745MHz	Pass	8.01	7.36	7.62	10.47	27.99	18.48	Inf
5785MHz	Pass	8.01	7.15	7.34	10.23	27.99	18.25	Inf
5825MHz	Pass	8.01	7.09	7.63	10.36	27.99	18.37	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.01	8.29	7.89	11.06	14.99	19.07	Inf
5200MHz	Pass	8.01	10.50	9.47	12.97	14.99	20.98	Inf
5240MHz	Pass	8.01	8.12	7.79	10.68	14.99	18.69	Inf
5745MHz	Pass	8.01	7.17	7.46	10.33	27.99	18.34	Inf
5785MHz	Pass	8.01	7.09	7.39	10.25	27.99	18.26	Inf
5825MHz	Pass	8.01	6.60	7.40	10.01	27.99	18.02	Inf
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.01	1.72	1.82	4.54	14.99	12.55	Inf
5230MHz	Pass	8.01	5.66	5.25	8.37	14.99	16.38	Inf
5755MHz	Pass	8.01	5.19	5.21	8.16	27.99	16.17	Inf
5795MHz	Pass	8.01	4.65	4.87	7.75	27.99	15.77	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.01	-3.59	-3.27	-0.53	14.99	7.48	Inf
5775MHz	Pass	8.01	-2.48	-1.96	0.66	27.99	8.67	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)_2TX **PSD**

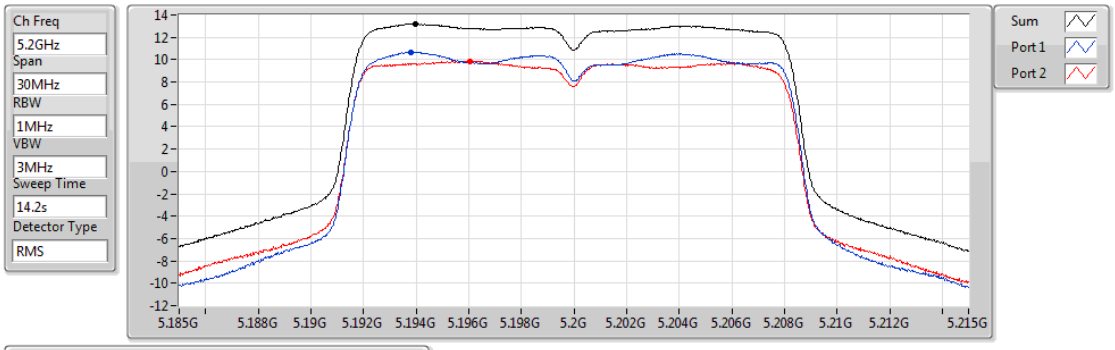
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.19	11.19	8.53	8.45

802.11a_(6Mbps)_2TX **PSD**

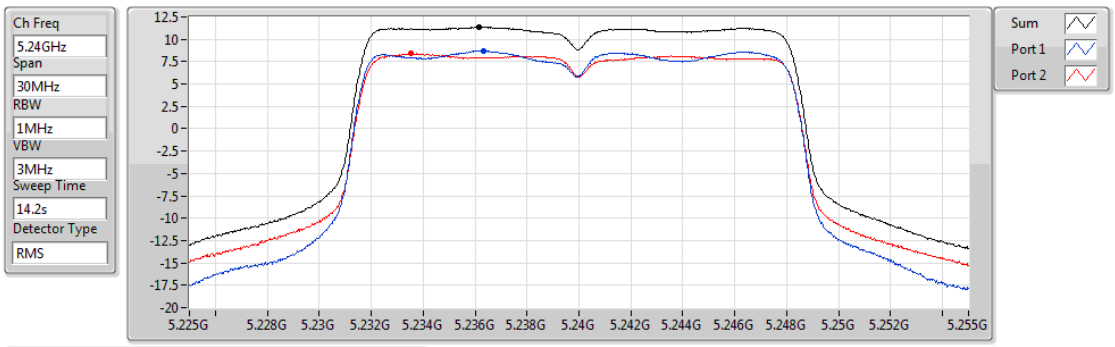
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.19	13.19	10.69	9.87

802.11a_(6Mbps)_2TX **PSD**

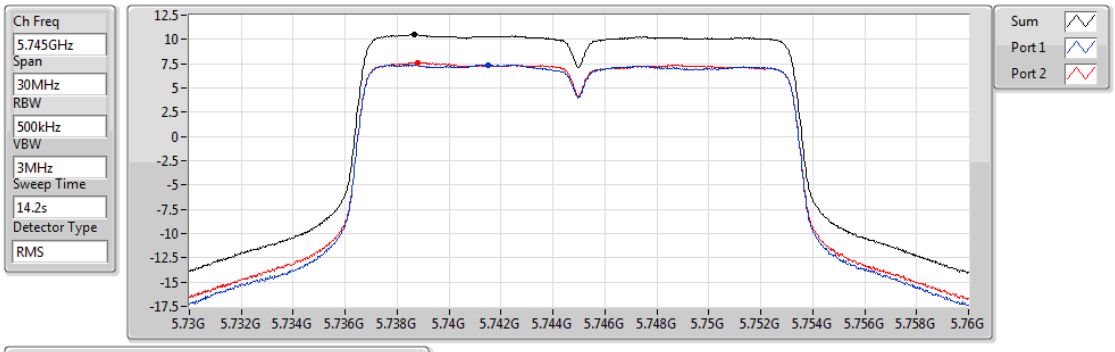
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.35	11.35	8.70	8.39

802.11a_(6Mbps)_2TX **PSD**

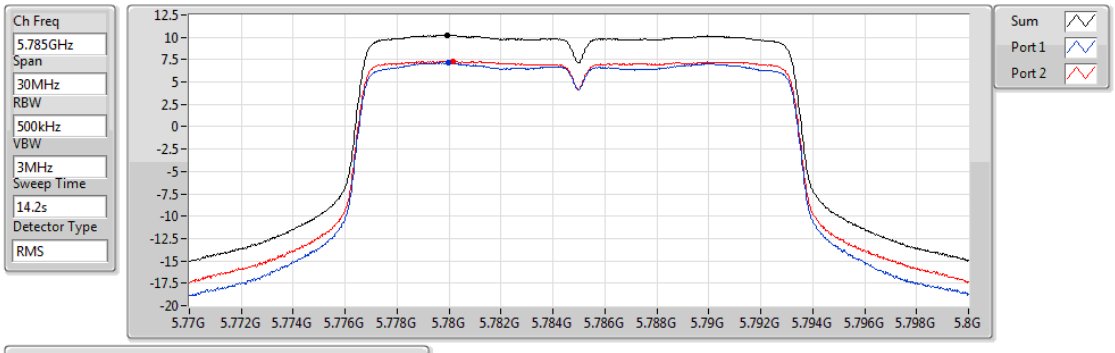
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.47	10.47	7.36	7.62

802.11a_(6Mbps)_2TX **PSD**

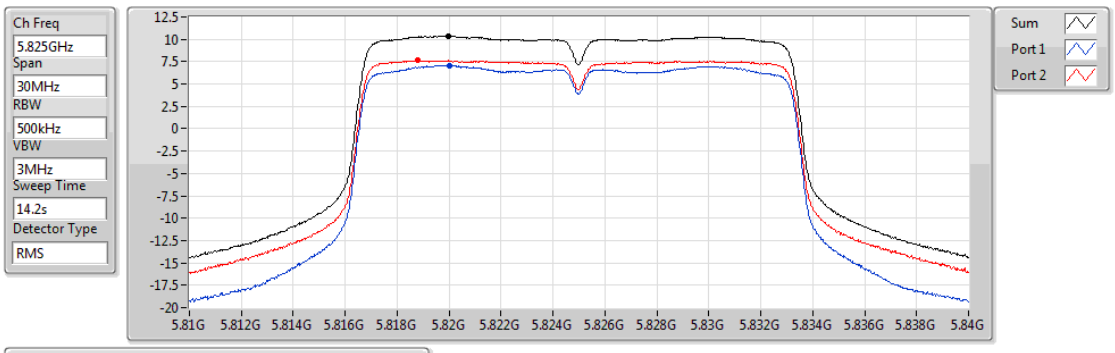
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.23	10.23	7.15	7.34

802.11a_(6Mbps)_2TX **PSD**

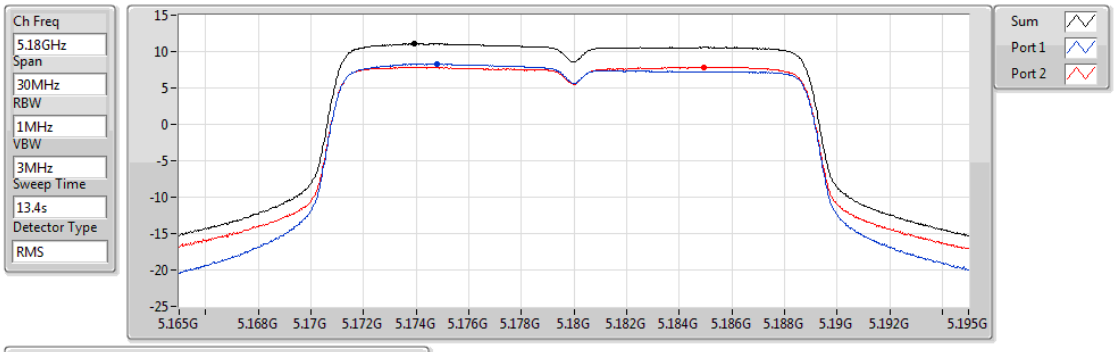
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.36	10.36	7.09	7.63

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

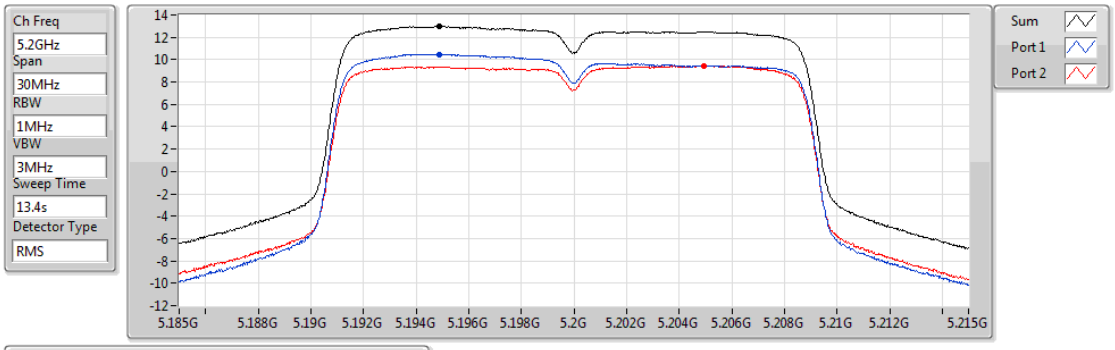
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.06	11.06	8.29	7.89

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

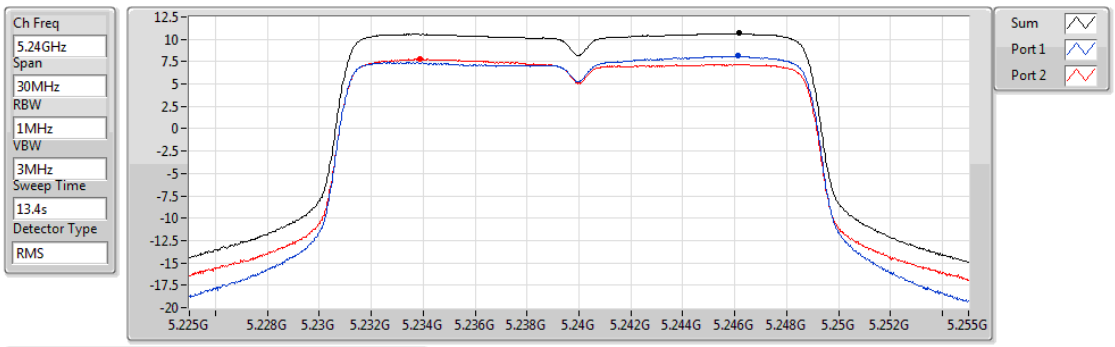
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.97	12.97	10.50	9.47

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

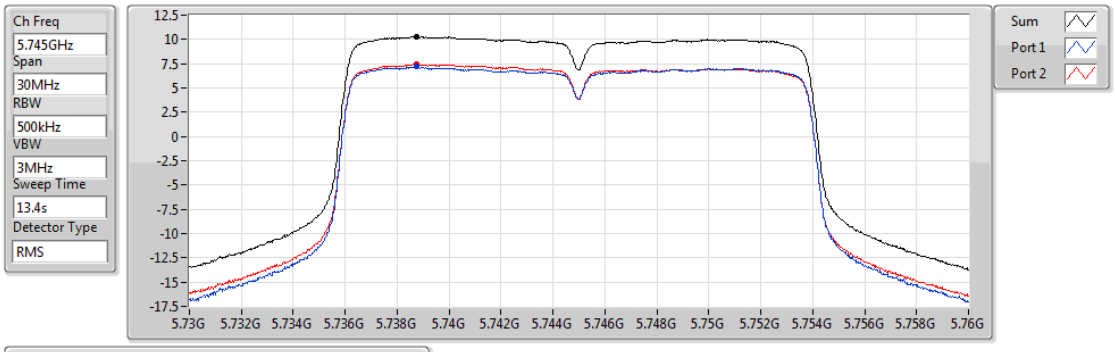
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.68	10.68	8.12	7.79

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

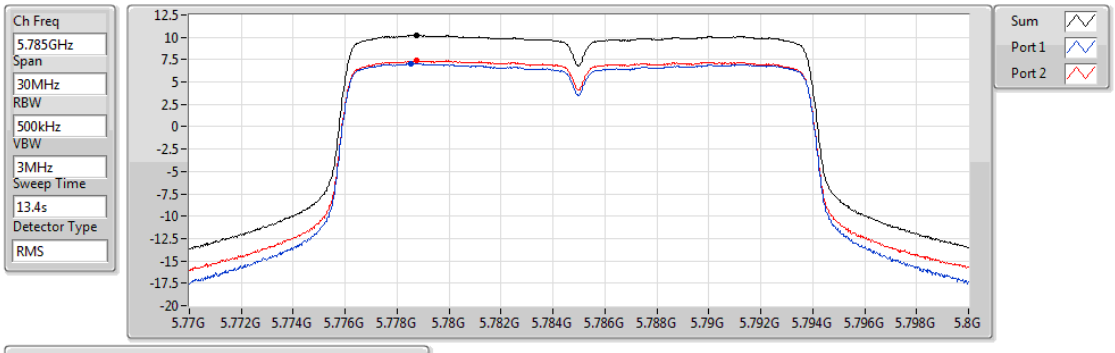
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.33	10.33	7.17	7.46

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

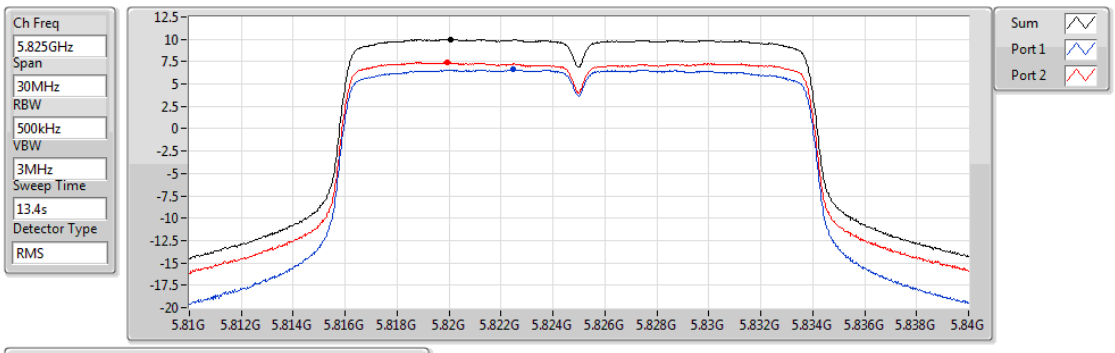
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.25	10.25	7.09	7.39

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

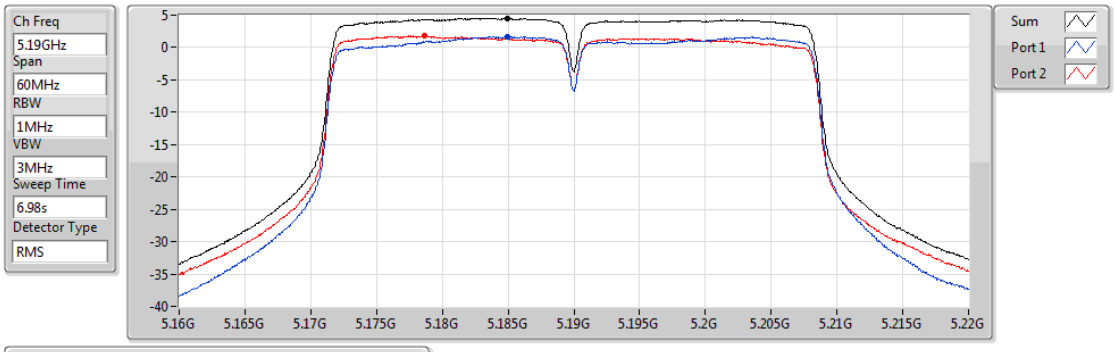
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.01	10.01	6.60	7.40

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

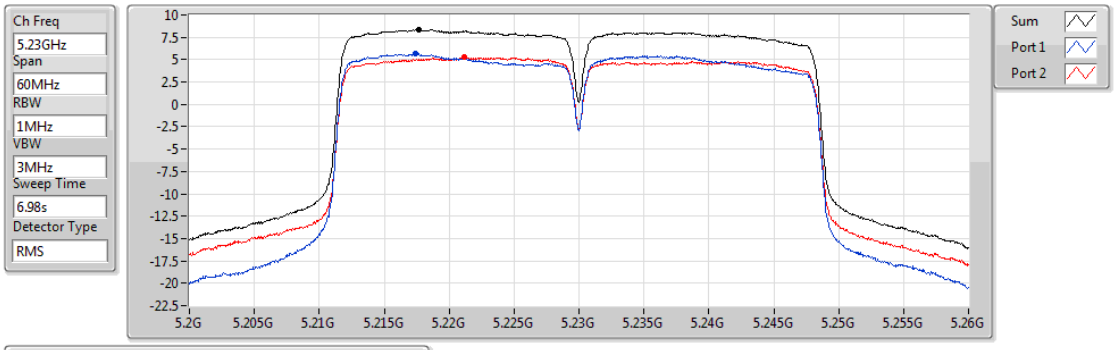
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.54	4.54	1.72	1.82

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

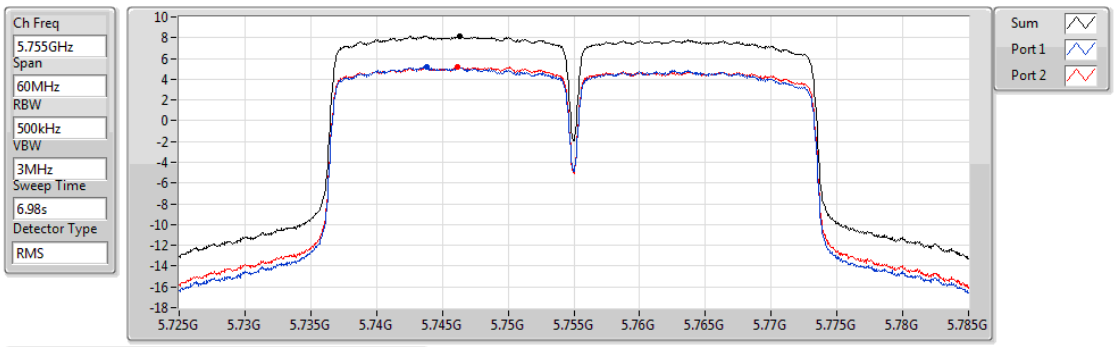
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.37	8.37	5.66	5.25

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

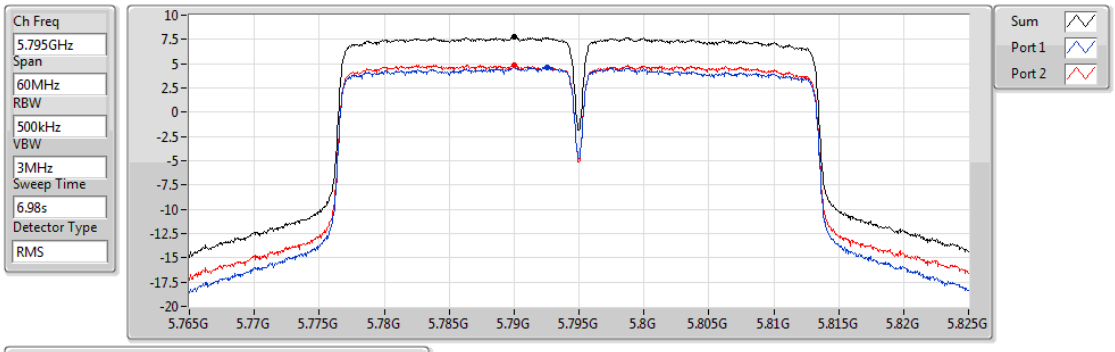
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.16	8.16	5.19	5.21

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

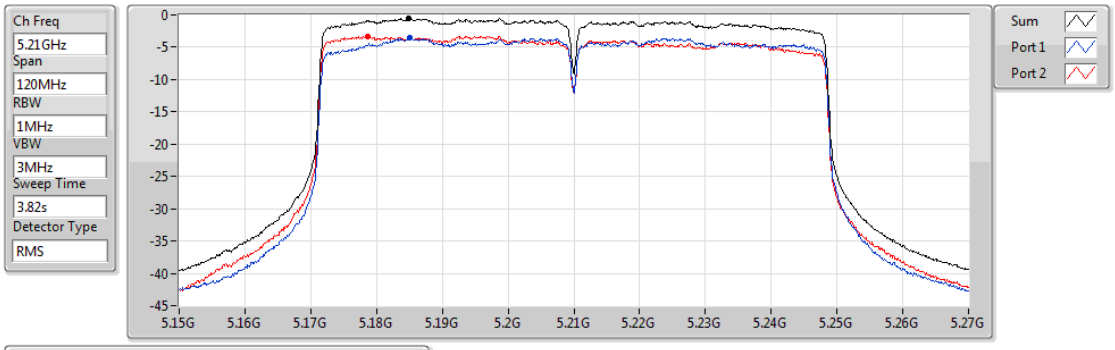
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.75	7.75	4.65	4.87

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

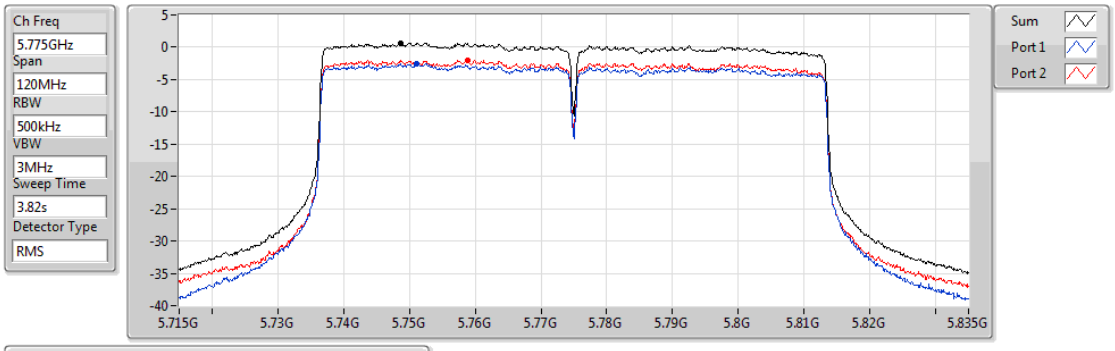
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.53	-0.53	-3.59	-3.27

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.66	0.66	-2.48	-1.96

Summary

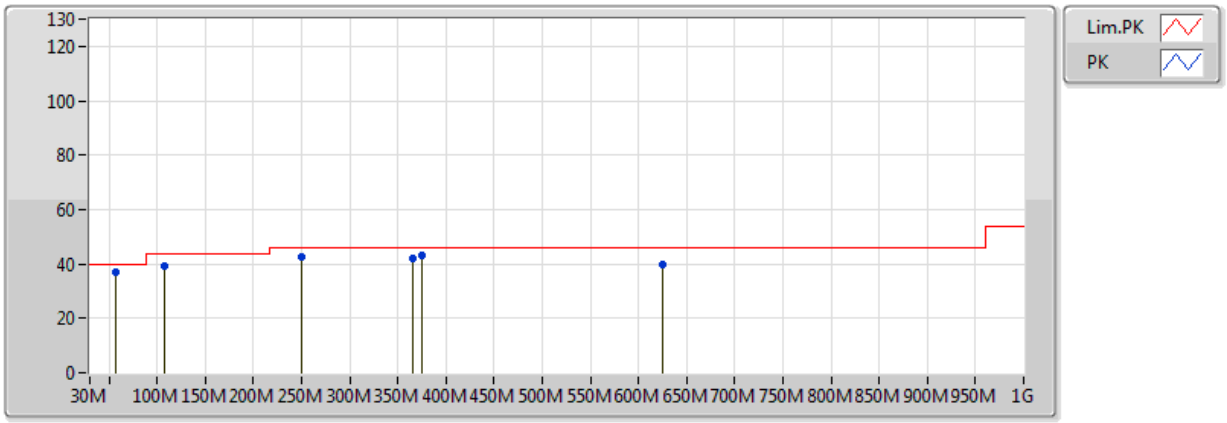
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	PK	214.3M	40.46	43.50	-3.04	-10.60	3	H	0	1.00	-

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
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	103.72M	38.32	43.50	-5.18	-9.42	3	H	0	1.00	-
5775MHz	Pass	PK	249.22M	41.11	46.00	-4.89	-7.31	3	H	0	1.00	-
5775MHz	Pass	PK	751.68M	32.68	46.00	-13.32	1.16	3	H	0	1.00	-
5775MHz	Pass	QP	154.16M	37.66	43.50	-5.84	-10.15	3	H	277	1.00	-
5775MHz	Pass	QP	365.62M	41.77	46.00	-4.23	-4.60	3	H	248	1.00	-
5775MHz	Pass	QP	375.32M	42.95	46.00	-3.05	-4.38	3	H	169	1.00	-
5775MHz	Pass	PK	57.16M	36.81	40.00	-3.19	-14.29	3	V	0	1.00	-
5775MHz	Pass	PK	107.6M	39.21	43.50	-4.29	-9.01	3	V	0	1.00	-
5775MHz	Pass	PK	625.58M	39.82	46.00	-6.18	-0.48	3	V	0	1.00	-
5775MHz	Pass	QP	249.22M	42.83	46.00	-3.17	-7.31	3	V	255	1.00	-
5775MHz	Pass	QP	365.62M	41.89	46.00	-4.11	-4.60	3	V	188	1.00	-
5775MHz	Pass	QP	375.32M	42.91	46.00	-3.09	-4.38	3	V	233	1.00	-
5775MHz	Pass	PK	214.3M	40.46	43.50	-3.04	-10.60	3	H	0	1.00	-
5775MHz	Pass	PK	249.22M	39.39	46.00	-6.61	-7.31	3	H	0	1.00	-
5775MHz	Pass	PK	786.6M	33.06	46.00	-12.94	1.55	3	H	0	1.00	-
5775MHz	Pass	QP	138.64M	40.38	43.50	-3.12	-9.19	3	H	256	1.00	-
5775MHz	Pass	QP	315.18M	42.75	46.00	-3.25	-5.91	3	H	139	1.00	-
5775MHz	Pass	QP	375.32M	42.92	46.00	-3.08	-4.38	3	H	48	1.00	-
5775MHz	Pass	PK	138.64M	36.91	43.50	-6.59	-9.19	3	V	0	1.00	-
5775MHz	Pass	PK	214.3M	37.94	43.50	-5.56	-10.60	3	V	0	1.00	-
5775MHz	Pass	PK	289.96M	36.55	46.00	-9.45	-6.61	3	V	0	1.00	-
5775MHz	Pass	PK	625.58M	38.09	46.00	-7.91	-0.48	3	V	0	1.00	-
5775MHz	Pass	QP	365.62M	42.82	46.00	-3.18	-4.60	3	V	166	1.00	-
5775MHz	Pass	QP	375.32M	42.77	46.00	-3.23	-4.38	3	V	133	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_adapter

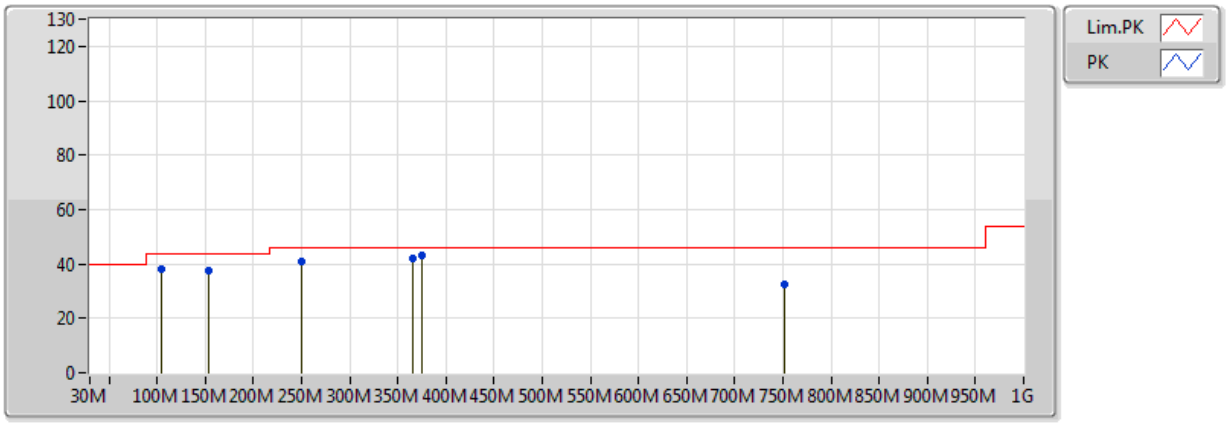


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	57.16M	36.81	40.00	-3.19	-14.29	3	V	0	1.00	-
PK	107.6M	39.21	43.50	-4.29	-9.01	3	V	0	1.00	-
QP	249.22M	42.83	46.00	-3.17	-7.31	3	V	255	1.00	-
QP	365.62M	41.89	46.00	-4.11	-4.60	3	V	188	1.00	-
QP	375.32M	42.91	46.00	-3.09	-4.38	3	V	233	1.00	-
PK	625.58M	39.82	46.00	-6.18	-0.48	3	V	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_adapter

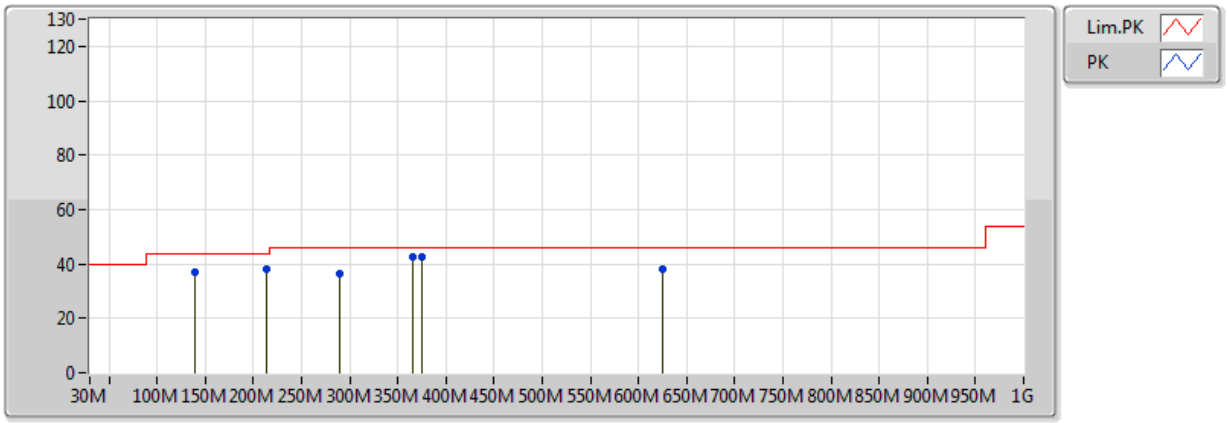


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	103.72M	38.32	43.50	-5.18	-9.42	3	H	0	1.00	-
QP	154.16M	37.66	43.50	-5.84	-10.15	3	H	277	1.00	-
PK	249.22M	41.11	46.00	-4.89	-7.31	3	H	0	1.00	-
QP	365.62M	41.77	46.00	-4.23	-4.60	3	H	248	1.00	-
QP	375.32M	42.95	46.00	-3.05	-4.38	3	H	169	1.00	-
PK	751.68M	32.68	46.00	-13.32	1.16	3	H	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_PoE

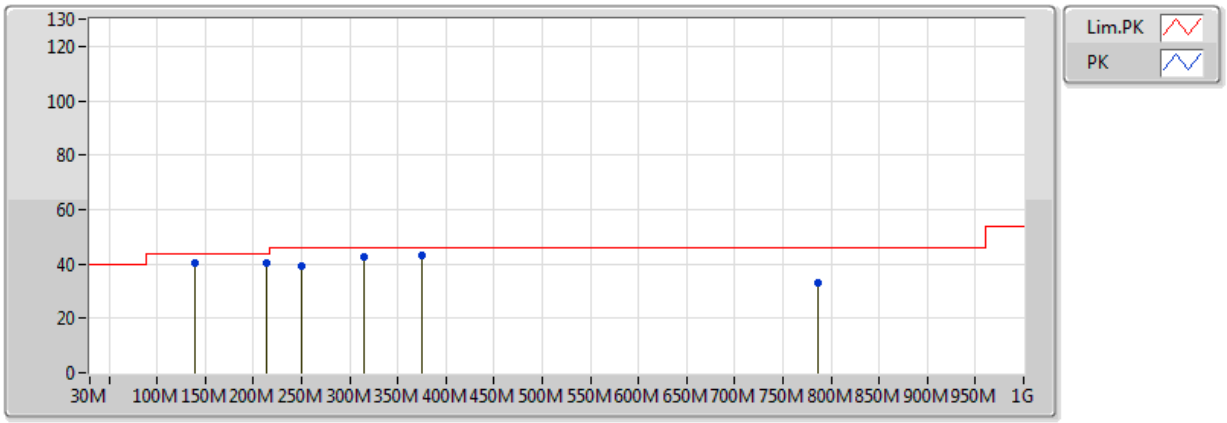


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	138.64M	36.91	43.50	-6.59	-9.19	3	V	0	1.00	-
PK	214.3M	37.94	43.50	-5.56	-10.60	3	V	0	1.00	-
PK	289.96M	36.55	46.00	-9.45	-6.61	3	V	0	1.00	-
QP	365.62M	42.82	46.00	-3.18	-4.60	3	V	166	1.00	-
QP	375.32M	42.77	46.00	-3.23	-4.38	3	V	133	1.00	-
PK	625.58M	38.09	46.00	-7.91	-0.48	3	V	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_PoE



Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
QP	138.64M	40.38	43.50	-3.12	-9.19	3	H	256	1.00	-
PK	214.3M	40.46	43.50	-3.04	-10.60	3	H	0	1.00	-
PK	249.22M	39.39	46.00	-6.61	-7.31	3	H	0	1.00	-
QP	315.18M	42.75	46.00	-3.25	-5.91	3	H	139	1.00	-
QP	375.32M	42.92	46.00	-3.08	-4.38	3	H	48	1.00	-
PK	786.6M	33.06	46.00	-12.94	1.55	3	H	0	1.00	-

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
802.11a_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	15.6G	53.90	54.00	-0.10	17.48	3	V	349	3.08	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	AV	11.49G	53.92	54.00	-0.08	17.68	3	V	254	2.88	-
802.11a_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	15.6G	53.90	54.00	-0.10	17.48	3	V	349	3.08	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	AV	11.49G	53.92	54.00	-0.08	17.68	3	V	254	2.88	-
802.11a_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	15.6G	53.90	54.00	-0.10	17.48	3	V	349	3.08	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	AV	11.49G	53.92	54.00	-0.08	17.68	3	V	254	2.88	-
802.11a_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	15.6G	53.90	54.00	-0.10	17.48	3	V	349	3.08	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	AV	11.49G	53.92	54.00	-0.08	17.68	3	V	254	2.88	-

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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.148G	52.09	54.00	-1.91	7.12	3	H	131	2.11	-
5180MHz	Pass	AV	5.1728G	100.65	Inf	-Inf	7.17	3	H	131	2.11	-
5180MHz	Pass	PK	5.1486G	68.49	74.00	-5.51	7.12	3	H	131	2.11	-
5180MHz	Pass	PK	5.173G	112.52	Inf	-Inf	7.17	3	H	131	2.11	-
5180MHz	Pass	AV	5.149995G	53.52	54.00	-0.48	7.12	3	V	131	2.11	-
5180MHz	Pass	AV	5.1766G	100.19	Inf	-Inf	7.17	3	V	131	2.11	-
5180MHz	Pass	PK	5.147G	71.42	74.00	-2.58	7.11	3	V	131	2.11	-
5180MHz	Pass	PK	5.1762G	111.69	Inf	-Inf	7.17	3	V	131	2.11	-
5180MHz	Pass	AV	10.36G	47.88	54.00	-6.12	17.01	3	H	133	1.03	-
5180MHz	Pass	AV	15.54G	45.66	54.00	-8.34	17.67	3	H	165	1.06	-
5180MHz	Pass	PK	10.36G	62.10	74.00	-11.90	17.01	3	H	133	1.03	-
5180MHz	Pass	PK	15.54G	60.18	74.00	-13.82	17.67	3	H	165	1.06	-
5180MHz	Pass	AV	10.36G	52.11	54.00	-1.89	17.11	3	V	25	2.79	-
5180MHz	Pass	AV	15.54G	49.19	54.00	-4.81	17.67	3	V	249	2.83	-
5180MHz	Pass	PK	10.36G	66.41	74.00	-7.59	17.11	3	V	25	2.79	-
5180MHz	Pass	PK	15.54G	65.05	74.00	-8.95	17.67	3	V	249	2.83	-
5200MHz	Pass	AV	5.148G	52.58	54.00	-1.42	7.12	3	H	37	2.25	-
5200MHz	Pass	AV	5.198G	102.81	Inf	-Inf	7.22	3	H	37	2.25	-
5200MHz	Pass	PK	5.1384G	69.45	74.00	-4.55	7.10	3	H	37	2.25	-
5200MHz	Pass	PK	5.1976G	115.21	Inf	-Inf	7.22	3	H	37	2.25	-
5200MHz	Pass	AV	5.149995G	53.68	54.00	-0.32	7.12	3	V	137	2.22	-
5200MHz	Pass	AV	5.1968G	103.35	Inf	-Inf	7.21	3	V	137	2.22	-
5200MHz	Pass	PK	5.1452G	70.15	74.00	-3.85	7.11	3	V	137	2.22	-
5200MHz	Pass	PK	5.202G	115.12	Inf	-Inf	7.22	3	V	137	2.22	-
5200MHz	Pass	AV	10.4G	50.59	54.00	-3.41	17.18	3	H	191	1.01	-
5200MHz	Pass	AV	15.6G	47.57	54.00	-6.43	17.48	3	H	166	1.51	-
5200MHz	Pass	PK	10.4G	65.85	74.00	-8.15	17.18	3	H	191	1.01	-
5200MHz	Pass	PK	15.6G	61.11	74.00	-12.89	17.48	3	H	166	1.51	-
5200MHz	Pass	AV	10.4G	52.16	54.00	-1.84	17.18	3	V	142	1.99	-
5200MHz	Pass	AV	15.6G	53.90	54.00	-0.10	17.48	3	V	349	3.08	-
5200MHz	Pass	PK	10.4G	68.80	74.00	-5.20	17.18	3	V	142	1.99	-
5200MHz	Pass	PK	15.6G	68.98	74.00	-5.02	17.48	3	V	349	3.08	-
5240MHz	Pass	AV	5.0966G	46.58	54.00	-7.42	7.01	3	H	38	2.20	-
5240MHz	Pass	AV	5.2454G	102.80	Inf	-Inf	7.31	3	H	38	2.20	-
5240MHz	Pass	AV	5.381G	46.95	54.00	-7.05	7.58	3	H	38	2.20	-
5240MHz	Pass	PK	5.0966G	60.02	74.00	-13.98	7.01	3	H	38	2.20	-
5240MHz	Pass	PK	5.2454G	114.13	Inf	-Inf	7.31	3	H	38	2.20	-
5240MHz	Pass	PK	5.3798G	60.43	74.00	-13.57	7.58	3	H	38	2.20	-
5240MHz	Pass	AV	5.1158G	47.13	54.00	-6.87	7.05	3	V	136	2.36	-
5240MHz	Pass	AV	5.2346G	102.36	Inf	-Inf	7.29	3	V	136	2.36	-
5240MHz	Pass	AV	5.3756G	47.01	54.00	-6.99	7.57	3	V	136	2.36	-
5240MHz	Pass	PK	5.105G	60.48	74.00	-13.52	7.03	3	V	136	2.36	-
5240MHz	Pass	PK	5.2346G	113.56	Inf	-Inf	7.29	3	V	136	2.36	-
5240MHz	Pass	PK	5.351G	60.64	74.00	-13.36	7.52	3	V	136	2.36	-
5240MHz	Pass	AV	10.48G	48.95	54.00	-5.05	17.30	3	H	190	1.07	-
5240MHz	Pass	AV	15.72G	49.38	54.00	-4.62	17.11	3	H	28	1.99	-
5240MHz	Pass	PK	10.48G	62.80	74.00	-11.20	17.30	3	H	190	1.07	-

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	PK	15.72G	63.36	74.00	-10.64	17.11	3	H	28	1.99	-
5240MHz	Pass	AV	10.48G	50.05	54.00	-3.95	17.18	3	V	144	1.90	-
5240MHz	Pass	AV	15.72G	53.43	54.00	-0.57	17.11	3	V	247	2.89	-
5240MHz	Pass	PK	10.48G	64.60	74.00	-9.40	17.30	3	V	144	1.90	-
5240MHz	Pass	PK	15.72G	68.36	74.00	-5.64	17.11	3	V	247	2.89	-
5745MHz	Pass	AV	5.739G	104.04	Inf	-Inf	8.25	3	H	53	2.19	-
5745MHz	Pass	PK	5.4906G	61.70	68.20	-6.50	7.80	3	H	53	2.19	-
5745MHz	Pass	PK	5.739G	115.06	Inf	-Inf	8.25	3	H	53	2.19	-
5745MHz	Pass	PK	5.985G	61.66	68.20	-6.54	8.70	3	H	53	2.19	-
5745MHz	Pass	AV	5.7414G	104.87	Inf	-Inf	8.26	3	V	314	2.08	-
5745MHz	Pass	PK	5.559G	62.49	68.20	-5.71	7.93	3	V	314	2.08	-
5745MHz	Pass	PK	5.7402G	116.20	Inf	-Inf	8.26	3	V	314	2.08	-
5745MHz	Pass	PK	5.943G	61.92	68.20	-6.28	8.63	3	V	314	2.08	-
5745MHz	Pass	AV	11.49G	48.74	54.00	-5.26	17.68	3	H	145	1.34	-
5745MHz	Pass	PK	11.49G	62.48	74.00	-11.52	17.68	3	H	145	1.34	-
5745MHz	Pass	AV	11.49G	53.38	54.00	-0.62	17.68	3	V	341	3.46	-
5745MHz	Pass	AV	17.235G	49.95	54.00	-4.05	21.35	3	V	197	1.02	-
5745MHz	Pass	PK	11.49G	68.18	74.00	-5.82	17.68	3	V	341	3.46	-
5745MHz	Pass	PK	17.235G	63.85	74.00	-10.15	21.35	3	V	197	1.02	-
5785MHz	Pass	AV	5.779G	103.29	Inf	-Inf	8.33	3	H	54	2.23	-
5785MHz	Pass	PK	5.6122G	62.39	68.20	-5.81	8.02	3	H	54	2.23	-
5785MHz	Pass	PK	5.7838G	114.29	Inf	-Inf	8.34	3	H	54	2.23	-
5785MHz	Pass	PK	5.9506G	61.35	68.20	-6.85	8.64	3	H	54	2.23	-
5785MHz	Pass	AV	5.791G	104.31	Inf	-Inf	8.35	3	V	311	2.08	-
5785MHz	Pass	PK	5.6086G	62.04	68.20	-6.16	8.02	3	V	311	2.08	-
5785MHz	Pass	PK	5.7802G	116.41	Inf	-Inf	8.33	3	V	311	2.08	-
5785MHz	Pass	PK	5.9698G	61.68	68.20	-6.52	8.68	3	V	311	2.08	-
5785MHz	Pass	AV	11.57G	46.55	54.00	-7.45	17.61	3	H	146	1.25	-
5785MHz	Pass	PK	11.57G	61.18	74.00	-12.82	17.61	3	H	146	1.25	-
5785MHz	Pass	AV	11.57G	53.18	54.00	-0.82	17.61	3	V	253	2.89	-
5785MHz	Pass	AV	17.355G	53.07	54.00	-0.93	22.22	3	V	119	1.01	-
5785MHz	Pass	PK	11.57G	68.76	74.00	-5.24	17.61	3	V	253	2.89	-
5785MHz	Pass	PK	17.355G	67.53	74.00	-6.47	22.22	3	V	119	1.01	-
5825MHz	Pass	AV	5.819G	103.53	Inf	-Inf	8.40	3	H	53	2.24	-
5825MHz	Pass	PK	5.5574G	61.82	68.20	-6.38	7.92	3	H	53	2.24	-
5825MHz	Pass	PK	5.819G	115.08	Inf	-Inf	8.40	3	H	53	2.24	-
5825MHz	Pass	PK	5.9402G	62.04	68.20	-6.16	8.62	3	H	53	2.24	-
5825MHz	Pass	AV	5.831G	104.38	Inf	-Inf	8.43	3	V	314	2.13	-
5825MHz	Pass	PK	5.6246G	62.22	68.20	-5.98	8.04	3	V	314	2.13	-
5825MHz	Pass	PK	5.8214G	116.29	Inf	-Inf	8.41	3	V	314	2.13	-
5825MHz	Pass	PK	5.951G	62.43	68.20	-5.77	8.64	3	V	314	2.13	-
5825MHz	Pass	AV	11.65G	47.32	54.00	-6.68	17.54	3	H	177	1.37	-
5825MHz	Pass	PK	11.65G	62.47	74.00	-11.53	17.54	3	H	177	1.37	-
5825MHz	Pass	AV	11.65G	52.64	54.00	-1.36	17.54	3	V	252	2.86	-
5825MHz	Pass	AV	17.475G	53.91	54.00	-0.09	23.09	3	V	120	1.02	-
5825MHz	Pass	PK	11.65G	68.43	74.00	-5.57	17.54	3	V	252	2.86	-
5825MHz	Pass	PK	17.475G	69.48	74.00	-4.52	23.09	3	V	120	1.02	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1464G	52.34	54.00	-1.66	7.11	3	H	42	2.32	-

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	5.1818G	99.93	Inf	-Inf	7.18	3	H	42	2.32	-
5180MHz	Pass	PK	5.1466G	67.93	74.00	-6.07	7.11	3	H	42	2.32	-
5180MHz	Pass	PK	5.1818G	111.52	Inf	-Inf	7.18	3	H	42	2.32	-
5180MHz	Pass	AV	5.149995G	53.24	54.00	-0.76	7.12	3	V	135	2.26	-
5180MHz	Pass	AV	5.1774G	100.54	Inf	-Inf	7.17	3	V	135	2.26	-
5180MHz	Pass	PK	5.149995G	68.43	74.00	-5.57	7.12	3	V	135	2.26	-
5180MHz	Pass	PK	5.179G	112.05	Inf	-Inf	7.18	3	V	135	2.26	-
5180MHz	Pass	AV	10.36G	46.71	54.00	-7.29	17.11	3	H	11	1.51	-
5180MHz	Pass	AV	15.54G	45.67	54.00	-8.33	17.67	3	H	165	1.02	-
5180MHz	Pass	PK	10.36G	60.31	74.00	-13.69	17.11	3	H	11	1.51	-
5180MHz	Pass	PK	15.54G	59.67	74.00	-14.33	17.67	3	H	165	1.02	-
5180MHz	Pass	AV	10.36G	50.01	54.00	-3.99	17.11	3	V	116	1.98	-
5180MHz	Pass	AV	15.54G	48.77	54.00	-5.23	17.67	3	V	248	2.42	-
5180MHz	Pass	PK	10.36G	65.81	74.00	-8.19	17.11	3	V	116	1.98	-
5180MHz	Pass	PK	15.54G	64.17	74.00	-9.83	17.67	3	V	248	2.42	-
5200MHz	Pass	AV	5.1448G	50.20	54.00	-3.80	7.11	3	H	47	2.15	-
5200MHz	Pass	AV	5.202G	101.78	Inf	-Inf	7.22	3	H	47	2.15	-
5200MHz	Pass	PK	5.14G	66.09	74.00	-7.91	7.10	3	H	47	2.15	-
5200MHz	Pass	PK	5.2016G	113.47	Inf	-Inf	7.22	3	H	47	2.15	-
5200MHz	Pass	AV	5.149995G	50.00	54.00	-4.00	7.12	3	V	136	2.46	-
5200MHz	Pass	AV	5.1968G	102.60	Inf	-Inf	7.21	3	V	136	2.46	-
5200MHz	Pass	PK	5.1364G	67.61	74.00	-6.39	7.09	3	V	136	2.46	-
5200MHz	Pass	PK	5.1976G	114.10	Inf	-Inf	7.22	3	V	136	2.46	-
5200MHz	Pass	AV	10.4G	50.28	54.00	-3.72	17.18	3	H	191	1.02	-
5200MHz	Pass	AV	15.6G	47.07	54.00	-6.93	17.48	3	H	165	1.28	-
5200MHz	Pass	PK	10.4G	66.35	74.00	-7.65	17.18	3	H	191	1.02	-
5200MHz	Pass	PK	15.6G	60.99	74.00	-13.01	17.48	3	H	165	1.28	-
5200MHz	Pass	AV	10.4G	53.18	54.00	-0.82	17.18	3	V	119	1.97	-
5200MHz	Pass	AV	15.6G	53.61	54.00	-0.39	17.48	3	V	249	2.86	-
5200MHz	Pass	PK	10.4G	68.53	74.00	-5.47	17.18	3	V	119	1.97	-
5200MHz	Pass	PK	15.6G	68.12	74.00	-5.88	17.48	3	V	249	2.86	-
5240MHz	Pass	AV	5.1248G	46.67	54.00	-7.33	7.07	3	H	46	2.19	-
5240MHz	Pass	AV	5.2334G	102.76	Inf	-Inf	7.29	3	H	46	2.19	-
5240MHz	Pass	AV	5.381G	47.14	54.00	-6.86	7.58	3	H	46	2.19	-
5240MHz	Pass	PK	5.126G	59.90	74.00	-14.10	7.07	3	H	46	2.19	-
5240MHz	Pass	PK	5.2322G	114.23	Inf	-Inf	7.28	3	H	46	2.19	-
5240MHz	Pass	PK	5.39G	60.76	74.00	-13.24	7.60	3	H	46	2.19	-
5240MHz	Pass	AV	5.117G	47.02	54.00	-6.98	7.05	3	V	136	2.26	-
5240MHz	Pass	AV	5.2472G	103.30	Inf	-Inf	7.31	3	V	136	2.26	-
5240MHz	Pass	AV	5.3846G	47.31	54.00	-6.69	7.59	3	V	136	2.26	-
5240MHz	Pass	PK	5.114G	60.88	74.00	-13.12	7.05	3	V	136	2.26	-
5240MHz	Pass	PK	5.246G	114.47	Inf	-Inf	7.31	3	V	136	2.26	-
5240MHz	Pass	PK	5.366G	60.99	74.00	-13.01	7.55	3	V	136	2.26	-
5240MHz	Pass	AV	10.48G	50.30	54.00	-3.70	17.30	3	H	183	1.06	-
5240MHz	Pass	AV	15.72G	50.71	54.00	-3.29	17.11	3	H	28	1.98	-
5240MHz	Pass	PK	10.48G	65.10	74.00	-8.90	17.30	3	H	183	1.06	-
5240MHz	Pass	PK	15.72G	65.08	74.00	-8.92	17.11	3	H	28	1.98	-
5240MHz	Pass	AV	10.48G	53.50	54.00	-0.50	17.30	3	V	118	1.92	-
5240MHz	Pass	AV	15.72G	53.64	54.00	-0.36	17.11	3	V	65	1.01	-

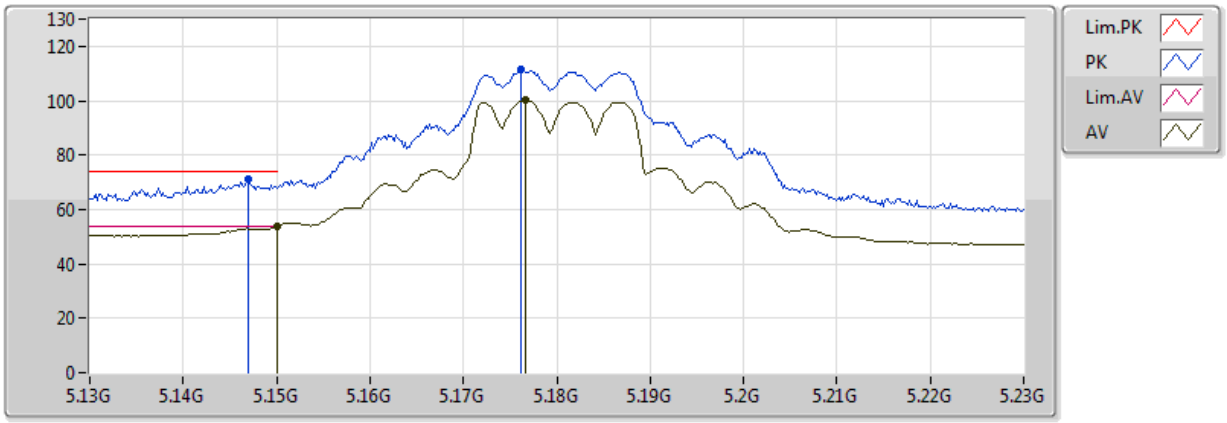
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	PK	10.48G	69.93	74.00	-4.07	17.30	3	V	118	1.92	-
5240MHz	Pass	PK	15.72G	68.37	74.00	-5.63	17.11	3	V	65	1.01	-
5745MHz	Pass	AV	5.7498G	105.34	Inf	-Inf	8.27	3	H	30	3.30	-
5745MHz	Pass	PK	5.6382G	61.62	68.20	-6.58	8.07	3	H	30	3.30	-
5745MHz	Pass	PK	5.751G	116.90	Inf	-Inf	8.28	3	H	30	3.30	-
5745MHz	Pass	PK	5.9598G	61.57	68.20	-6.63	8.66	3	H	30	3.30	-
5745MHz	Pass	AV	5.7378G	104.59	Inf	-Inf	8.25	3	V	306	2.23	-
5745MHz	Pass	PK	5.6406G	62.60	68.20	-5.60	8.07	3	V	306	2.23	-
5745MHz	Pass	PK	5.7378G	115.61	Inf	-Inf	8.25	3	V	306	2.23	-
5745MHz	Pass	PK	5.9286G	62.15	68.20	-6.05	8.60	3	V	306	2.23	-
5745MHz	Pass	AV	11.49G	48.65	54.00	-5.35	17.68	3	H	145	1.33	-
5745MHz	Pass	PK	11.49G	64.24	74.00	-9.76	17.68	3	H	145	1.33	-
5745MHz	Pass	AV	11.49G	53.92	54.00	-0.08	17.68	3	V	254	2.88	-
5745MHz	Pass	AV	17.235G	49.81	54.00	-4.19	21.35	3	V	199	1.50	-
5745MHz	Pass	PK	11.49G	70.13	74.00	-3.87	17.68	3	V	254	2.88	-
5745MHz	Pass	PK	17.235G	63.69	74.00	-10.31	21.35	3	V	199	1.50	-
5785MHz	Pass	AV	5.7802G	103.49	Inf	-Inf	8.33	3	H	51	2.01	-
5785MHz	Pass	PK	5.5678G	62.50	68.20	-5.70	7.94	3	H	51	2.01	-
5785MHz	Pass	PK	5.7826G	114.99	Inf	-Inf	8.34	3	H	51	2.01	-
5785MHz	Pass	PK	5.9614G	61.71	68.20	-6.49	8.66	3	H	51	2.01	-
5785MHz	Pass	AV	5.7874G	104.15	Inf	-Inf	8.35	3	V	309	2.19	-
5785MHz	Pass	PK	5.5858G	62.54	68.20	-5.66	7.97	3	V	309	2.19	-
5785MHz	Pass	PK	5.7886G	115.66	Inf	-Inf	8.35	3	V	309	2.19	-
5785MHz	Pass	PK	5.9554G	61.85	68.20	-6.35	8.65	3	V	309	2.19	-
5785MHz	Pass	AV	11.57G	46.78	54.00	-7.22	17.61	3	H	146	1.25	-
5785MHz	Pass	PK	11.57G	62.07	74.00	-11.93	17.61	3	H	146	1.25	-
5785MHz	Pass	AV	11.57G	53.29	54.00	-0.71	17.61	3	V	254	3.06	-
5785MHz	Pass	AV	17.355G	53.10	54.00	-0.90	22.22	3	V	119	1.01	-
5785MHz	Pass	PK	11.57G	69.39	74.00	-4.61	17.61	3	V	254	3.06	-
5785MHz	Pass	PK	17.355G	67.42	74.00	-6.58	22.22	3	V	119	1.01	-
5825MHz	Pass	AV	5.819G	104.00	Inf	-Inf	8.40	3	H	34	2.46	-
5825MHz	Pass	PK	5.6174G	62.15	68.20	-6.05	8.03	3	H	34	2.46	-
5825MHz	Pass	PK	5.8202G	115.15	Inf	-Inf	8.41	3	H	34	2.46	-
5825MHz	Pass	PK	5.969G	61.58	68.20	-6.62	8.67	3	H	34	2.46	-
5825MHz	Pass	AV	5.8286G	104.37	Inf	-Inf	8.42	3	V	312	2.12	-
5825MHz	Pass	PK	5.5862G	62.35	68.20	-5.85	7.98	3	V	312	2.12	-
5825MHz	Pass	PK	5.8286G	116.50	Inf	-Inf	8.42	3	V	312	2.12	-
5825MHz	Pass	PK	5.9618G	61.46	68.20	-6.74	8.66	3	V	312	2.12	-
5825MHz	Pass	AV	11.65G	46.49	54.00	-7.51	17.54	3	H	178	1.50	-
5825MHz	Pass	PK	11.65G	62.49	74.00	-11.51	17.54	3	H	178	1.50	-
5825MHz	Pass	AV	11.65G	51.21	54.00	-2.79	17.54	3	V	267	3.03	-
5825MHz	Pass	AV	17.475G	53.82	54.00	-0.18	23.09	3	V	121	1.88	-
5825MHz	Pass	PK	11.65G	67.96	74.00	-6.04	17.54	3	V	267	3.03	-
5825MHz	Pass	PK	17.475G	68.24	74.00	-5.76	23.09	3	V	121	1.88	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.146G	49.81	54.00	-4.19	7.11	3	H	40	2.35	-
5190MHz	Pass	AV	5.182G	91.38	Inf	-Inf	7.18	3	H	40	2.35	-
5190MHz	Pass	PK	5.1432G	66.01	74.00	-7.99	7.11	3	H	40	2.35	-
5190MHz	Pass	PK	5.2032G	105.33	Inf	-Inf	7.23	3	H	40	2.35	-

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	AV	5.149995G	53.37	54.00	-0.63	7.12	3	V	124	2.19	-
5190MHz	Pass	AV	5.1768G	95.95	Inf	-Inf	7.17	3	V	124	2.19	-
5190MHz	Pass	PK	5.1484G	67.76	74.00	-6.24	7.12	3	V	124	2.19	-
5190MHz	Pass	PK	5.1756G	105.48	Inf	-Inf	7.17	3	V	124	2.19	-
5190MHz	Pass	AV	10.38G	45.25	54.00	-8.75	17.15	3	H	134	1.26	-
5190MHz	Pass	PK	10.38G	59.95	74.00	-14.05	17.15	3	H	134	1.26	-
5190MHz	Pass	AV	10.38G	47.25	54.00	-6.75	17.15	3	V	22	2.63	-
5190MHz	Pass	PK	10.38G	61.45	74.00	-12.55	17.15	3	V	22	2.63	-
5230MHz	Pass	AV	5.1412G	52.42	54.00	-1.58	7.10	3	H	45	2.19	-
5230MHz	Pass	AV	5.242G	97.74	Inf	-Inf	7.30	3	H	45	2.19	-
5230MHz	Pass	PK	5.142G	68.18	74.00	-5.82	7.10	3	H	45	2.19	-
5230MHz	Pass	PK	5.2408G	111.42	Inf	-Inf	7.30	3	H	45	2.19	-
5230MHz	Pass	AV	5.149995G	53.69	54.00	-0.31	7.12	3	V	136	2.31	-
5230MHz	Pass	AV	5.2376G	97.73	Inf	-Inf	7.30	3	V	136	2.31	-
5230MHz	Pass	PK	5.1484G	68.38	74.00	-5.62	7.12	3	V	136	2.31	-
5230MHz	Pass	PK	5.2384G	110.97	Inf	-Inf	7.30	3	V	136	2.31	-
5230MHz	Pass	AV	10.46G	47.27	54.00	-6.73	17.27	3	H	184	1.19	-
5230MHz	Pass	AV	15.69G	48.20	54.00	-5.80	17.20	3	H	30	2.02	-
5230MHz	Pass	PK	10.46G	61.77	74.00	-12.23	17.27	3	H	184	1.19	-
5230MHz	Pass	PK	15.69G	61.80	74.00	-12.20	17.20	3	H	30	2.02	-
5230MHz	Pass	AV	10.46G	48.37	54.00	-5.63	17.27	3	V	144	1.96	-
5230MHz	Pass	AV	15.69G	51.70	54.00	-2.30	17.20	3	V	251	2.86	-
5230MHz	Pass	PK	10.46G	63.67	74.00	-10.33	17.27	3	V	144	1.96	-
5230MHz	Pass	PK	15.69G	67.00	74.00	-7.00	17.20	3	V	251	2.86	-
5755MHz	Pass	AV	5.7526G	99.28	Inf	-Inf	8.28	3	H	59	2.07	-
5755MHz	Pass	PK	5.6434G	67.33	68.20	-0.87	8.08	3	H	59	2.07	-
5755MHz	Pass	PK	5.7538G	113.14	Inf	-Inf	8.28	3	H	59	2.07	-
5755MHz	Pass	PK	5.9446G	62.58	68.20	-5.62	8.63	3	H	59	2.07	-
5755MHz	Pass	AV	5.7574G	99.57	Inf	-Inf	8.29	3	V	315	2.15	-
5755MHz	Pass	PK	5.6398G	66.04	68.20	-2.16	8.07	3	V	315	2.15	-
5755MHz	Pass	PK	5.7574G	113.18	Inf	-Inf	8.29	3	V	315	2.15	-
5755MHz	Pass	PK	5.9518G	62.67	68.20	-5.53	8.64	3	V	315	2.15	-
5755MHz	Pass	AV	11.51G	48.13	54.00	-5.87	17.66	3	H	176	1.50	-
5755MHz	Pass	PK	11.51G	63.04	74.00	-10.96	17.66	3	H	176	1.50	-
5755MHz	Pass	AV	11.51G	53.92	54.00	-0.08	17.66	3	V	255	2.85	-
5755MHz	Pass	AV	17.265G	51.36	54.00	-2.64	21.56	3	V	119	1.01	-
5755MHz	Pass	PK	11.51G	68.73	74.00	-5.27	17.66	3	V	255	2.85	-
5755MHz	Pass	PK	17.265G	65.39	74.00	-8.61	21.56	3	V	119	1.01	-
5795MHz	Pass	AV	5.7902G	98.59	Inf	-Inf	8.35	3	H	52	2.03	-
5795MHz	Pass	PK	5.5634G	63.41	68.20	-4.79	7.93	3	H	52	2.03	-
5795MHz	Pass	PK	5.7914G	112.00	Inf	-Inf	8.35	3	H	52	2.03	-
5795MHz	Pass	PK	5.933G	62.64	68.20	-5.56	8.61	3	H	52	2.03	-
5795MHz	Pass	AV	5.7866G	99.85	Inf	-Inf	8.34	3	V	139	2.17	-
5795MHz	Pass	PK	5.5814G	63.98	68.20	-4.22	7.97	3	V	139	2.17	-
5795MHz	Pass	PK	5.7854G	113.93	Inf	-Inf	8.34	3	V	139	2.17	-
5795MHz	Pass	PK	5.9486G	63.25	68.20	-4.95	8.64	3	V	139	2.17	-
5795MHz	Pass	AV	11.59G	48.10	54.00	-5.90	17.59	3	H	177	1.50	-
5795MHz	Pass	PK	11.59G	62.95	74.00	-11.05	17.59	3	H	177	1.50	-
5795MHz	Pass	AV	11.59G	52.77	54.00	-1.23	17.59	3	V	251	2.82	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5795MHz	Pass	AV	17.385G	52.56	54.00	-1.44	22.44	3	V	119	1.01	-
5795MHz	Pass	PK	11.59G	68.32	74.00	-5.68	17.59	3	V	251	2.82	-
5795MHz	Pass	PK	17.385G	67.17	74.00	-6.83	22.44	3	V	119	1.01	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149995G	51.78	54.00	-2.22	7.12	3	H	49	2.18	-
5210MHz	Pass	AV	5.232G	91.22	Inf	-Inf	7.28	3	H	49	2.18	-
5210MHz	Pass	AV	5.38G	49.83	54.00	-4.17	7.58	3	H	49	2.18	-
5210MHz	Pass	PK	5.149995G	64.69	74.00	-9.31	7.12	3	H	49	2.18	-
5210MHz	Pass	PK	5.195G	99.92	Inf	-Inf	7.21	3	H	49	2.18	-
5210MHz	Pass	PK	5.43G	60.30	74.00	-13.70	7.68	3	H	49	2.18	-
5210MHz	Pass	AV	5.149995G	53.72	54.00	-0.28	7.12	3	V	136	2.28	-
5210MHz	Pass	AV	5.187G	92.17	Inf	-Inf	7.19	3	V	136	2.28	-
5210MHz	Pass	AV	5.404G	50.17	54.00	-3.83	7.63	3	V	136	2.28	-
5210MHz	Pass	PK	5.149G	65.02	74.00	-8.98	7.12	3	V	136	2.28	-
5210MHz	Pass	PK	5.199G	101.42	Inf	-Inf	7.22	3	V	136	2.28	-
5210MHz	Pass	PK	5.432G	59.98	74.00	-14.02	7.68	3	V	136	2.28	-
5210MHz	Pass	AV	10.42G	44.09	54.00	-9.91	17.21	3	H	293	1.50	-
5210MHz	Pass	PK	10.42G	58.41	74.00	-15.59	17.21	3	H	212	1.50	-
5210MHz	Pass	AV	10.42G	44.41	54.00	-9.59	17.21	3	V	148	1.50	-
5210MHz	Pass	PK	10.42G	58.21	74.00	-15.79	17.21	3	V	261	1.50	-
5775MHz	Pass	AV	5.7414G	98.68	Inf	-Inf	8.26	3	H	37	3.28	-
5775MHz	Pass	PK	5.6406G	66.51	68.20	-1.69	8.07	3	H	37	3.28	-
5775MHz	Pass	PK	5.7618G	107.84	Inf	-Inf	8.30	3	H	37	3.28	-
5775MHz	Pass	PK	5.9418G	61.46	68.20	-6.74	8.63	3	H	37	3.28	-
5775MHz	Pass	AV	5.7474G	98.91	Inf	-Inf	8.27	3	V	313	2.13	-
5775MHz	Pass	PK	5.649G	67.33	68.20	-0.87	8.09	3	V	313	2.13	-
5775MHz	Pass	PK	5.763G	109.02	Inf	-Inf	8.30	3	V	313	2.13	-
5775MHz	Pass	PK	5.925G	61.84	68.20	-6.36	8.60	3	V	313	2.13	-
5775MHz	Pass	AV	11.55G	42.54	54.00	-11.46	17.63	3	H	360	1.50	-
5775MHz	Pass	PK	11.55G	56.68	74.00	-17.32	17.63	3	H	360	1.50	-
5775MHz	Pass	AV	11.55G	42.59	54.00	-11.41	17.63	3	V	0	1.50	-
5775MHz	Pass	PK	11.55G	57.02	74.00	-16.98	17.63	3	V	0	1.50	-

802.11a_(6Mbps)_2TX

5180MHz_TX

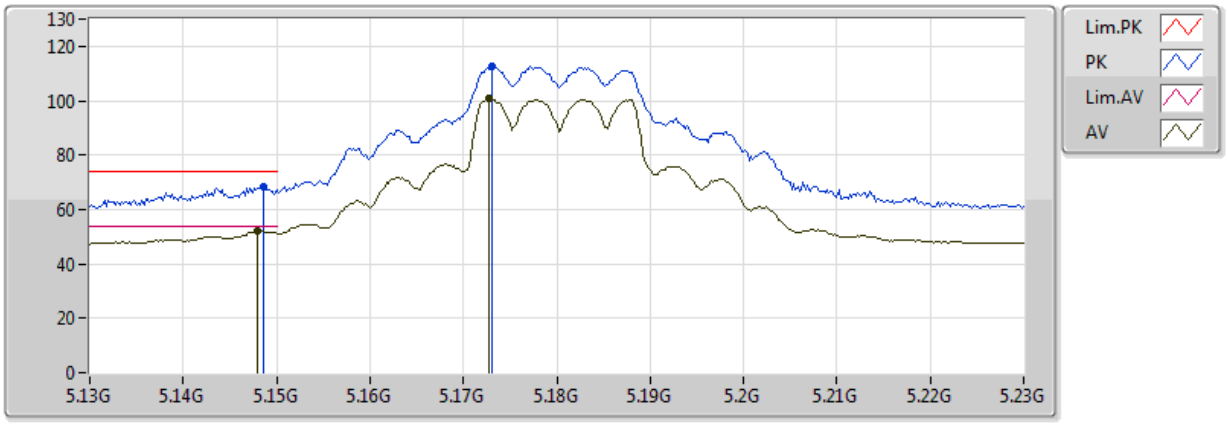


Eut : Z axis

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	53.52	54.00	-0.48	7.12	3	V	131	2.11	-
AV	5.1766G	100.19	Inf	-Inf	7.17	3	V	131	2.11	-
PK	5.147G	71.42	74.00	-2.58	7.11	3	V	131	2.11	-
PK	5.1762G	111.69	Inf	-Inf	7.17	3	V	131	2.11	-

802.11a_(6Mbps)_2TX

5180MHz_TX

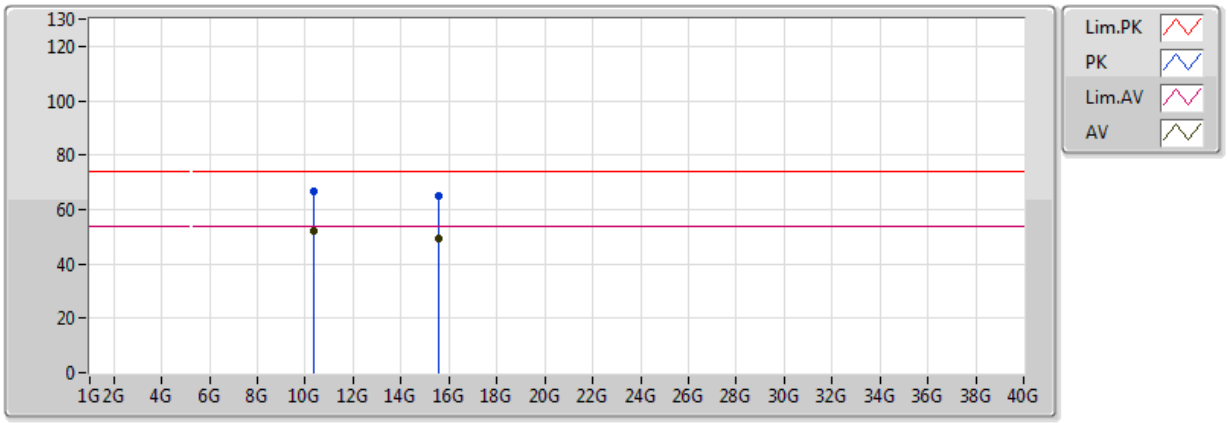


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.148G	52.09	54.00	-1.91	7.12	3	H	131	2.11	-
AV	5.1728G	100.65	Inf	-Inf	7.17	3	H	131	2.11	-
PK	5.1486G	68.49	74.00	-5.51	7.12	3	H	131	2.11	-
PK	5.173G	112.52	Inf	-Inf	7.17	3	H	131	2.11	-

802.11a_(6Mbps)_2TX

5180MHz_TX

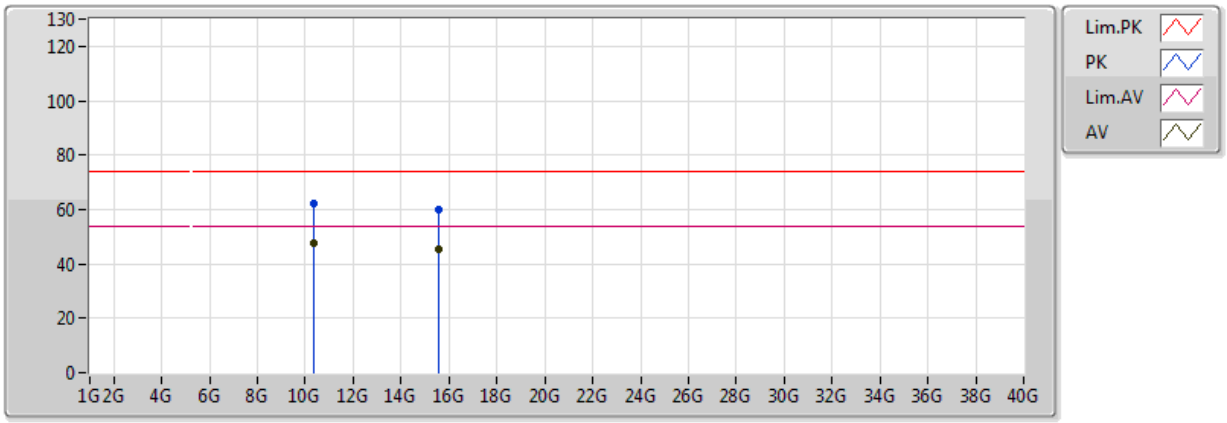


Eut : Z axis

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	52.11	54.00	-1.89	17.11	3	V	25	2.79	-
AV	15.54G	49.19	54.00	-4.81	17.67	3	V	249	2.83	-
PK	10.36G	66.41	74.00	-7.59	17.11	3	V	25	2.79	-
PK	15.54G	65.05	74.00	-8.95	17.67	3	V	249	2.83	-

802.11a_(6Mbps)_2TX

5180MHz_TX

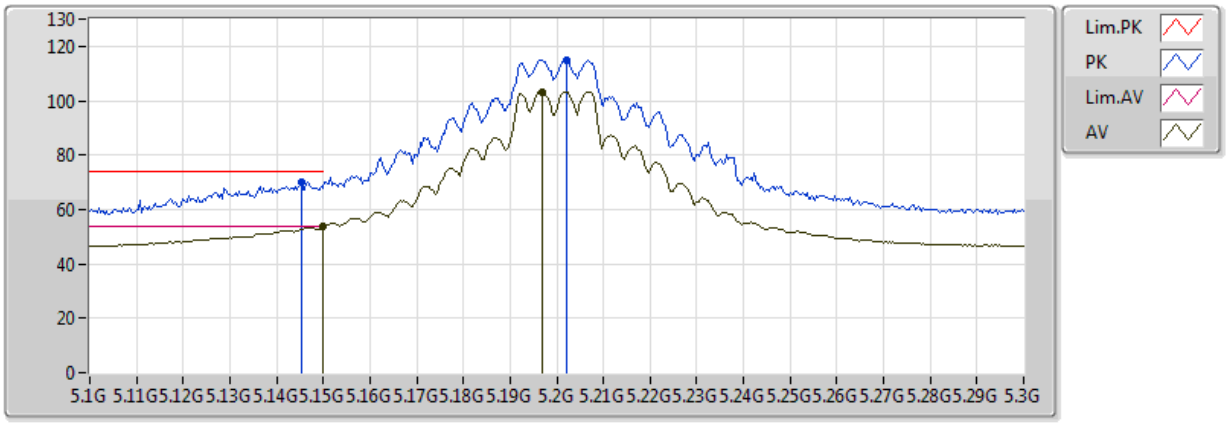


Eut : Z axis

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	47.88	54.00	-6.12	17.01	3	H	133	1.03	-
AV	15.54G	45.66	54.00	-8.34	17.67	3	H	165	1.06	-
PK	10.36G	62.10	74.00	-11.90	17.01	3	H	133	1.03	-
PK	15.54G	60.18	74.00	-13.82	17.67	3	H	165	1.06	-

802.11a_(6Mbps)_2TX

5200MHz_TX

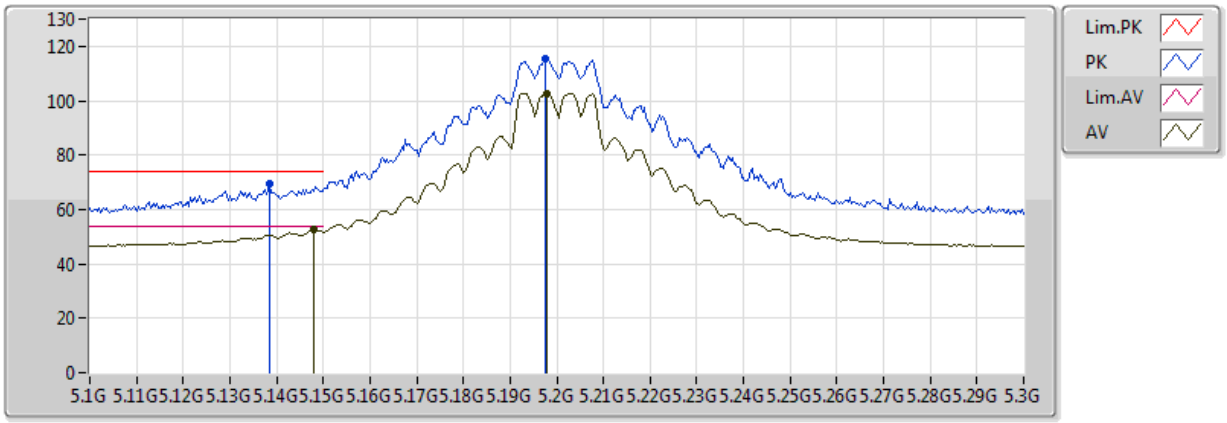


Eut : Z axis

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	7.12	3	V	137	2.22	-
AV	5.1968G	103.35	Inf	-Inf	7.21	3	V	137	2.22	-
PK	5.1452G	70.15	74.00	-3.85	7.11	3	V	137	2.22	-
PK	5.202G	115.12	Inf	-Inf	7.22	3	V	137	2.22	-

802.11a_(6Mbps)_2TX

5200MHz_TX

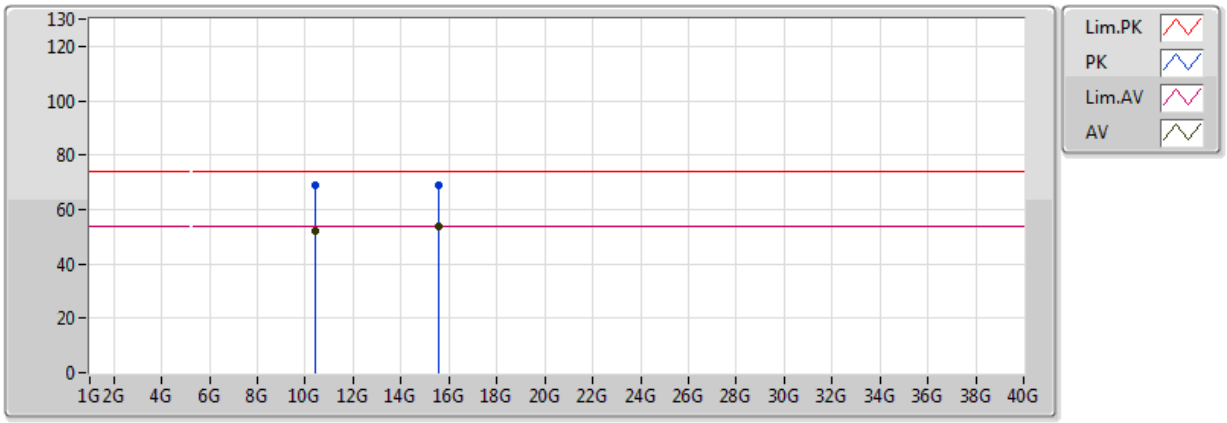


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.148G	52.58	54.00	-1.42	7.12	3	H	37	2.25	-
AV	5.198G	102.81	Inf	-Inf	7.22	3	H	37	2.25	-
PK	5.1384G	69.45	74.00	-4.55	7.10	3	H	37	2.25	-
PK	5.1976G	115.21	Inf	-Inf	7.22	3	H	37	2.25	-

802.11a_(6Mbps)_2TX

5200MHz_TX

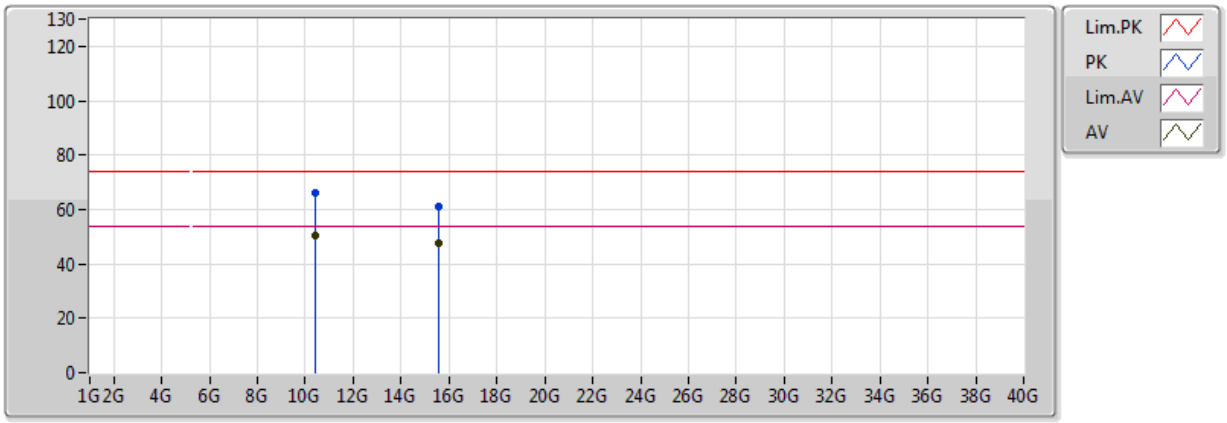


Eut : Z axis

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	52.16	54.00	-1.84	17.18	3	V	142	1.99	-
AV	15.6G	53.90	54.00	-0.10	17.48	3	V	349	3.08	-
PK	10.4G	68.80	74.00	-5.20	17.18	3	V	142	1.99	-
PK	15.6G	68.98	74.00	-5.02	17.48	3	V	349	3.08	-

802.11a_(6Mbps)_2TX

5200MHz_TX

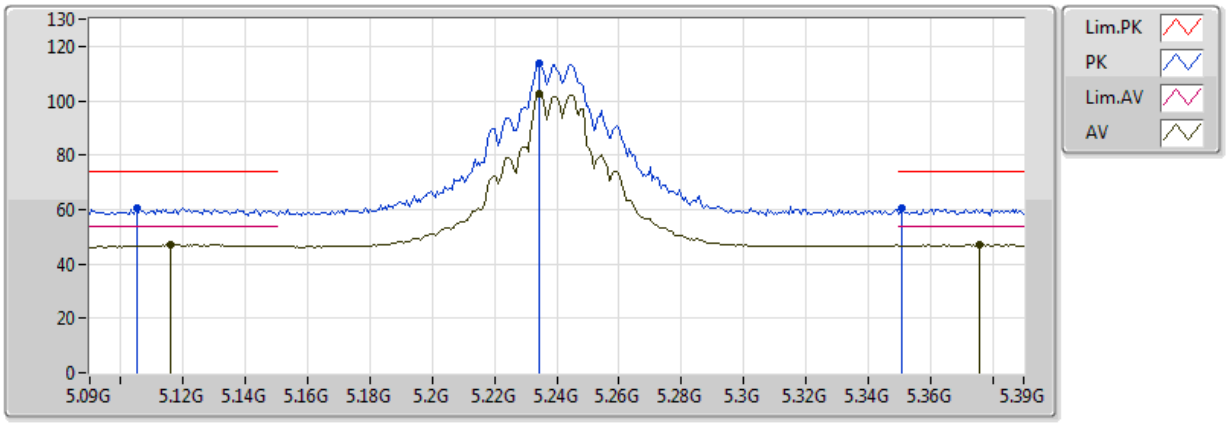


Eut : Z axis

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	50.59	54.00	-3.41	17.18	3	H	191	1.01	-
AV	15.6G	47.57	54.00	-6.43	17.48	3	H	166	1.51	-
PK	10.4G	65.85	74.00	-8.15	17.18	3	H	191	1.01	-
PK	15.6G	61.11	74.00	-12.89	17.48	3	H	166	1.51	-

802.11a_(6Mbps)_2TX

5240MHz_TX

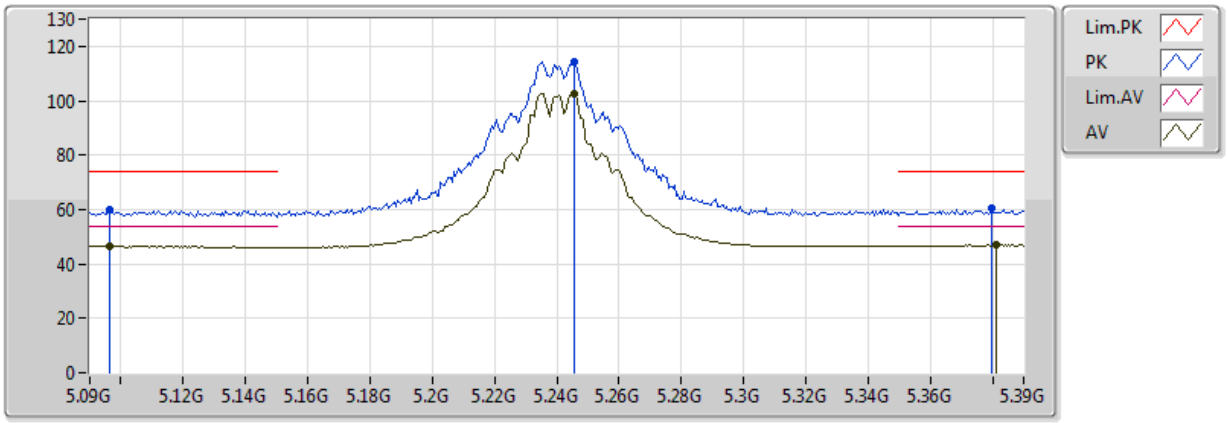


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1158G	47.13	54.00	-6.87	7.05	3	V	136	2.36	-
AV	5.2346G	102.36	Inf	-Inf	7.29	3	V	136	2.36	-
AV	5.3756G	47.01	54.00	-6.99	7.57	3	V	136	2.36	-
PK	5.105G	60.48	74.00	-13.52	7.03	3	V	136	2.36	-
PK	5.2346G	113.56	Inf	-Inf	7.29	3	V	136	2.36	-
PK	5.351G	60.64	74.00	-13.36	7.52	3	V	136	2.36	-

802.11a_(6Mbps)_2TX

5240MHz_TX

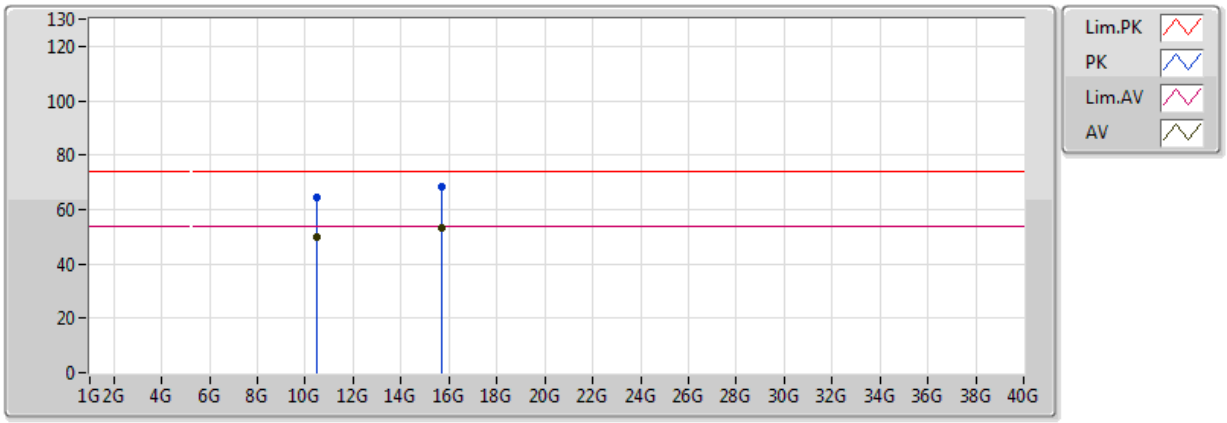


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.0966G	46.58	54.00	-7.42	7.01	3	H	38	2.20	-
AV	5.2454G	102.80	Inf	-Inf	7.31	3	H	38	2.20	-
AV	5.381G	46.95	54.00	-7.05	7.58	3	H	38	2.20	-
PK	5.0966G	60.02	74.00	-13.98	7.01	3	H	38	2.20	-
PK	5.2454G	114.13	Inf	-Inf	7.31	3	H	38	2.20	-
PK	5.3798G	60.43	74.00	-13.57	7.58	3	H	38	2.20	-

802.11a_(6Mbps)_2TX

5240MHz_TX

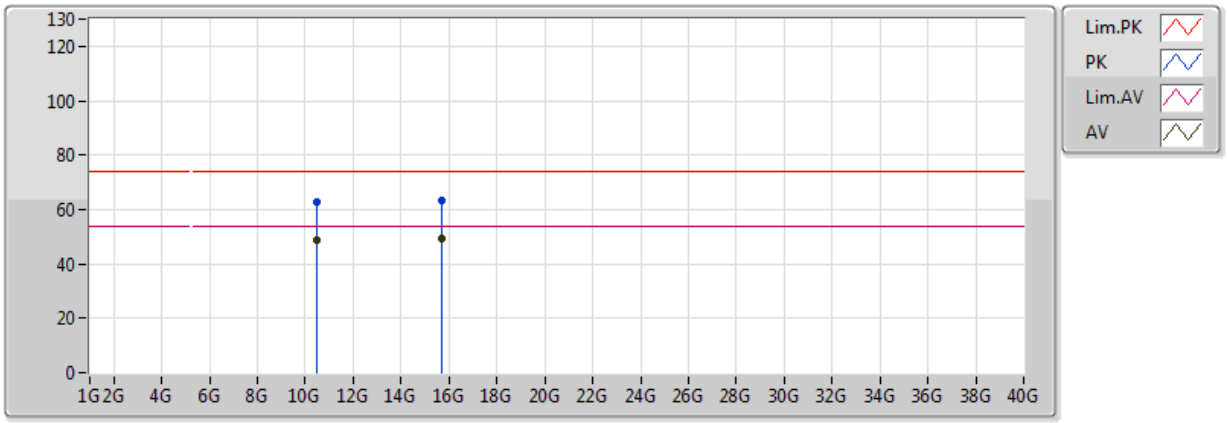


Eut : Z axis

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	50.05	54.00	-3.95	17.18	3	V	144	1.90	-
AV	15.72G	53.43	54.00	-0.57	17.11	3	V	247	2.89	-
PK	10.48G	64.60	74.00	-9.40	17.30	3	V	144	1.90	-
PK	15.72G	68.36	74.00	-5.64	17.11	3	V	247	2.89	-

802.11a_(6Mbps)_2TX

5240MHz_TX

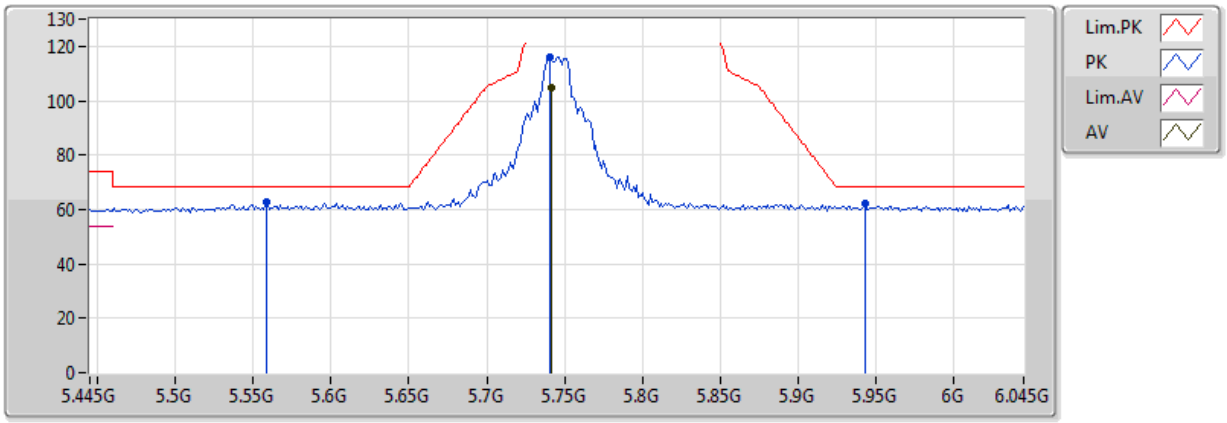


Eut : Z axis

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	48.95	54.00	-5.05	17.30	3	H	190	1.07	-
AV	15.72G	49.38	54.00	-4.62	17.11	3	H	28	1.99	-
PK	10.48G	62.80	74.00	-11.20	17.30	3	H	190	1.07	-
PK	15.72G	63.36	74.00	-10.64	17.11	3	H	28	1.99	-

802.11a_(6Mbps)_2TX

5745MHz_TX

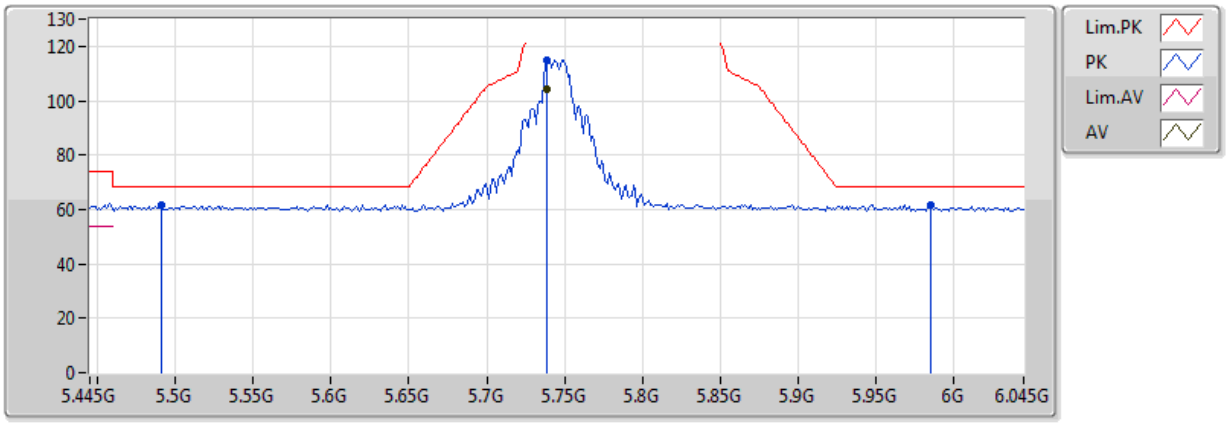


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7414G	104.87	Inf	-Inf	8.26	3	V	314	2.08	-
PK	5.559G	62.49	68.20	-5.71	7.93	3	V	314	2.08	-
PK	5.7402G	116.20	Inf	-Inf	8.26	3	V	314	2.08	-
PK	5.943G	61.92	68.20	-6.28	8.63	3	V	314	2.08	-

802.11a_(6Mbps)_2TX

5745MHz_TX

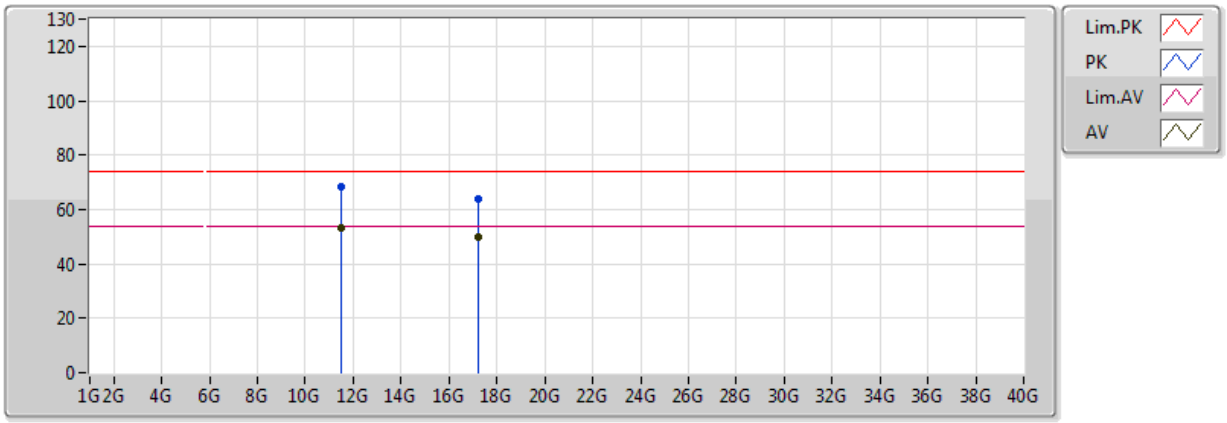


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.739G	104.04	Inf	-Inf	8.25	3	H	53	2.19	-
PK	5.4906G	61.70	68.20	-6.50	7.80	3	H	53	2.19	-
PK	5.739G	115.06	Inf	-Inf	8.25	3	H	53	2.19	-
PK	5.985G	61.66	68.20	-6.54	8.70	3	H	53	2.19	-

802.11a_(6Mbps)_2TX

5745MHz_TX

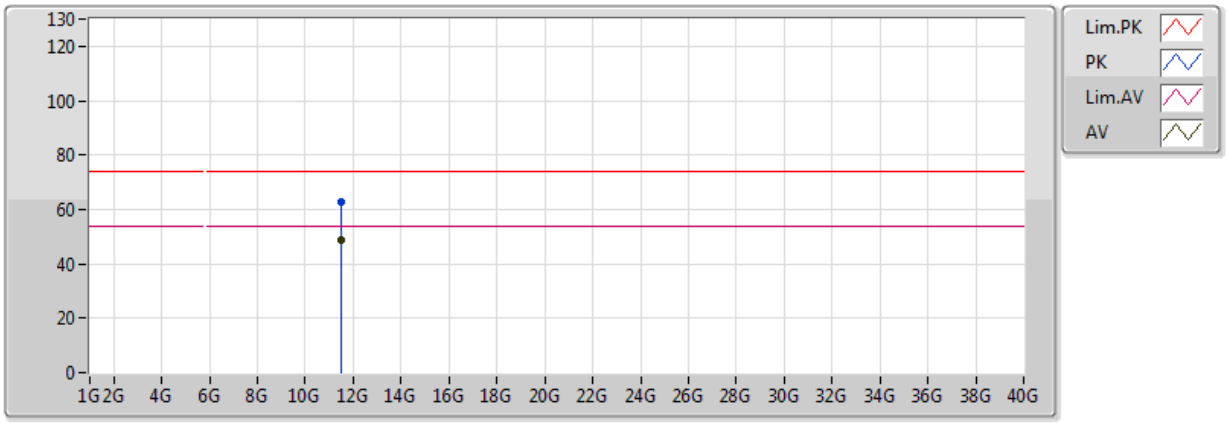


Eut : Z axis

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	53.38	54.00	-0.62	17.68	3	V	341	3.46	-
AV	17.235G	49.95	54.00	-4.05	21.35	3	V	197	1.02	-
PK	11.49G	68.18	74.00	-5.82	17.68	3	V	341	3.46	-
PK	17.235G	63.85	74.00	-10.15	21.35	3	V	197	1.02	-

802.11a_(6Mbps)_2TX

5745MHz_TX

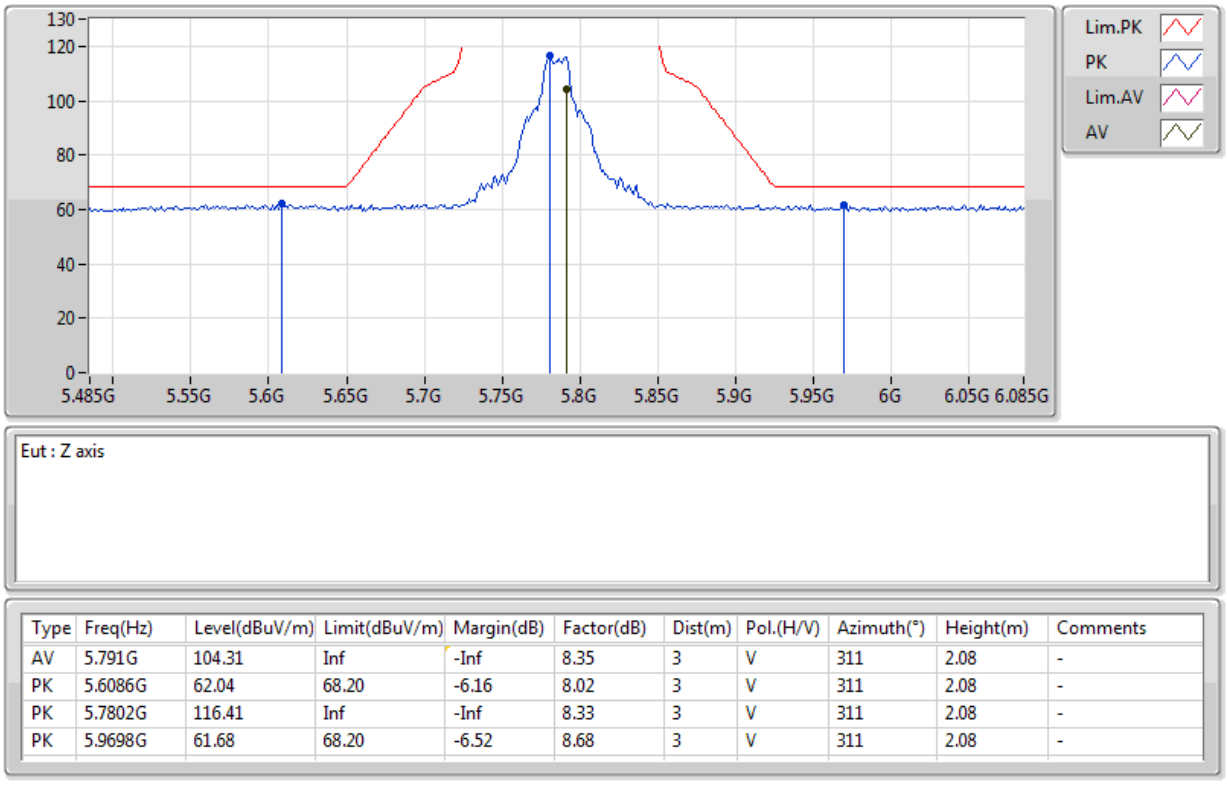


Eut : Z axis

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	48.74	54.00	-5.26	17.68	3	H	145	1.34	-
PK	11.49G	62.48	74.00	-11.52	17.68	3	H	145	1.34	-

802.11a_(6Mbps)_2TX

5785MHz_TX

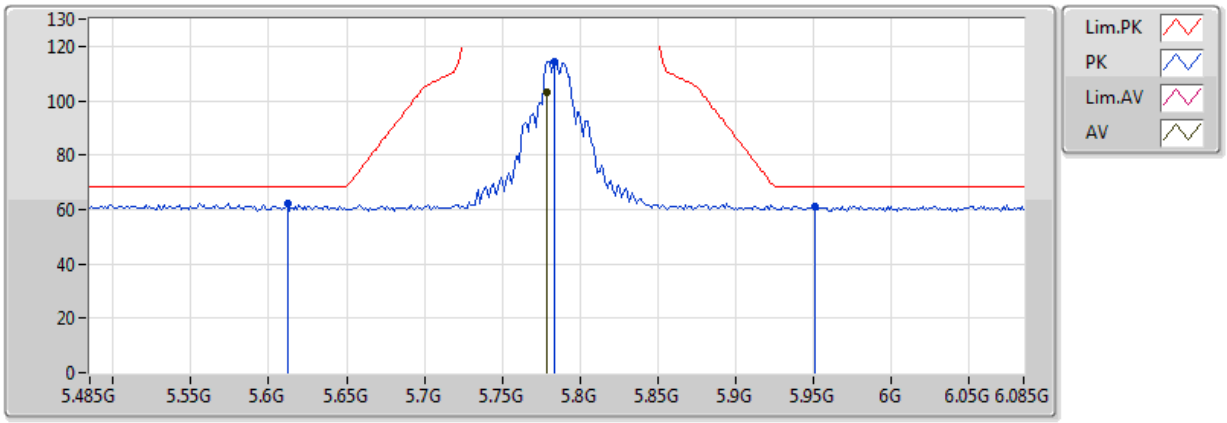


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.791G	104.31	Inf	-Inf	8.35	3	V	311	2.08	-
PK	5.6086G	62.04	68.20	-6.16	8.02	3	V	311	2.08	-
PK	5.7802G	116.41	Inf	-Inf	8.33	3	V	311	2.08	-
PK	5.9698G	61.68	68.20	-6.52	8.68	3	V	311	2.08	-

802.11a_(6Mbps)_2TX

5785MHz_TX

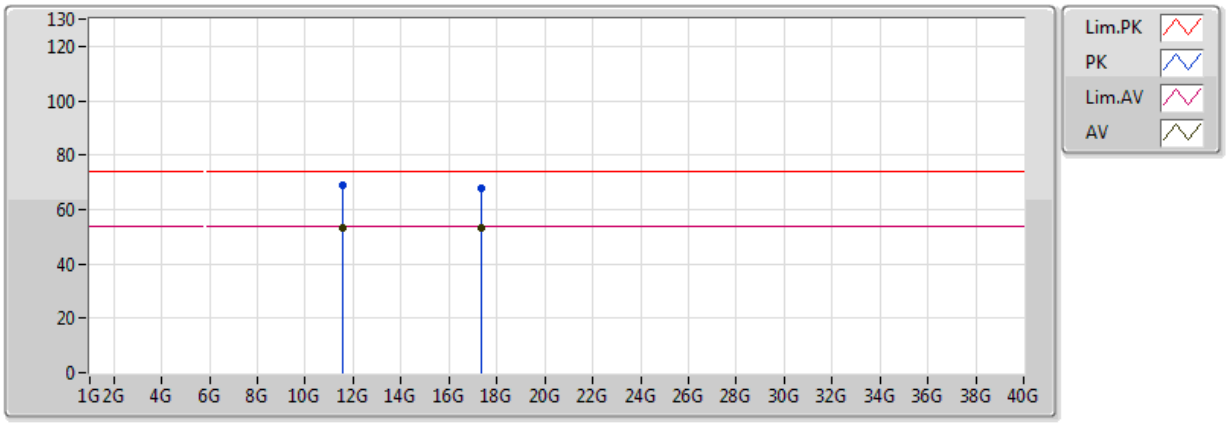


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.779G	103.29	Inf	-Inf	8.33	3	H	54	2.23	-
PK	5.6122G	62.39	68.20	-5.81	8.02	3	H	54	2.23	-
PK	5.7838G	114.29	Inf	-Inf	8.34	3	H	54	2.23	-
PK	5.9506G	61.35	68.20	-6.85	8.64	3	H	54	2.23	-

802.11a_(6Mbps)_2TX

5785MHz_TX

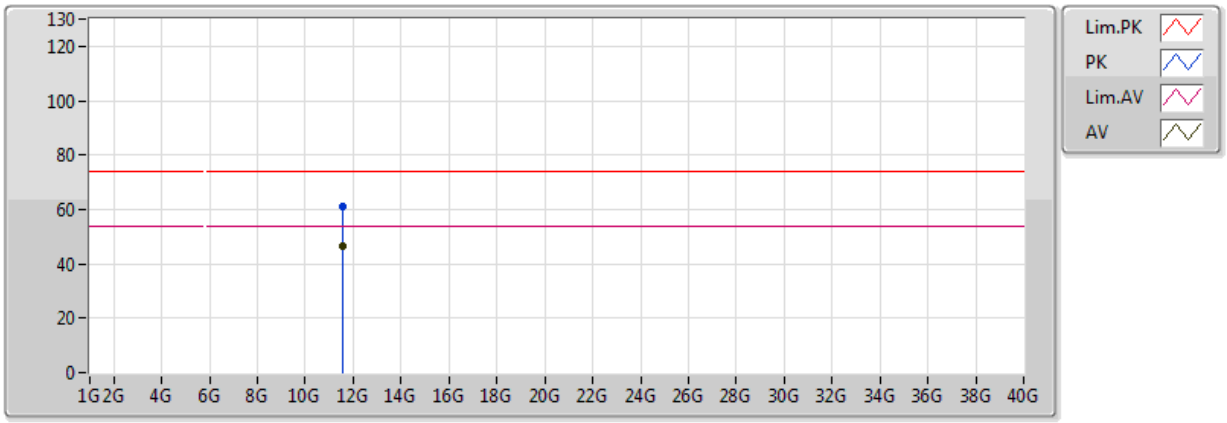


Eut : Z axis

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	53.18	54.00	-0.82	17.61	3	V	253	2.89	-
AV	17.355G	53.07	54.00	-0.93	22.22	3	V	119	1.01	-
PK	11.57G	68.76	74.00	-5.24	17.61	3	V	253	2.89	-
PK	17.355G	67.53	74.00	-6.47	22.22	3	V	119	1.01	-

802.11a_(6Mbps)_2TX

5785MHz_TX

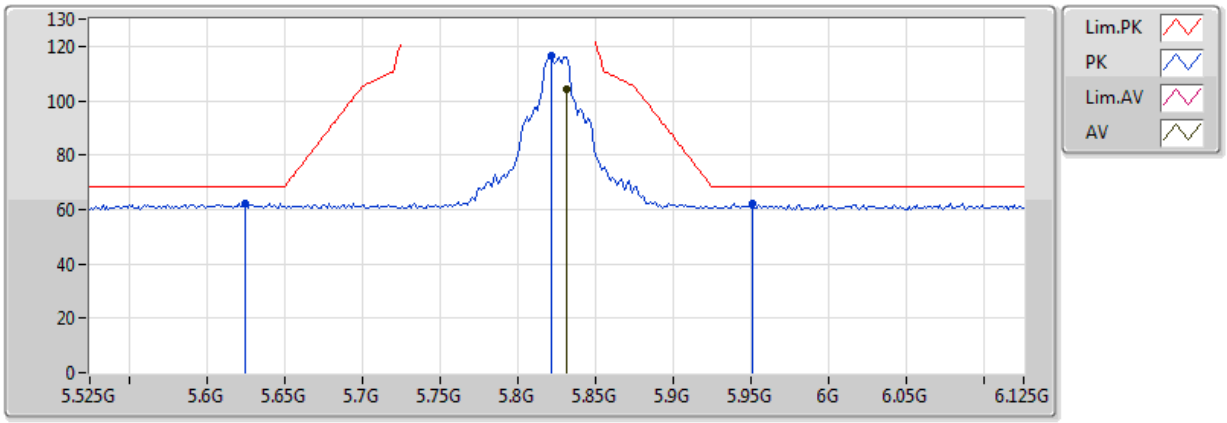


Eut : Z axis

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	46.55	54.00	-7.45	17.61	3	H	146	1.25	-
PK	11.57G	61.18	74.00	-12.82	17.61	3	H	146	1.25	-

802.11a_(6Mbps)_2TX

5825MHz_TX

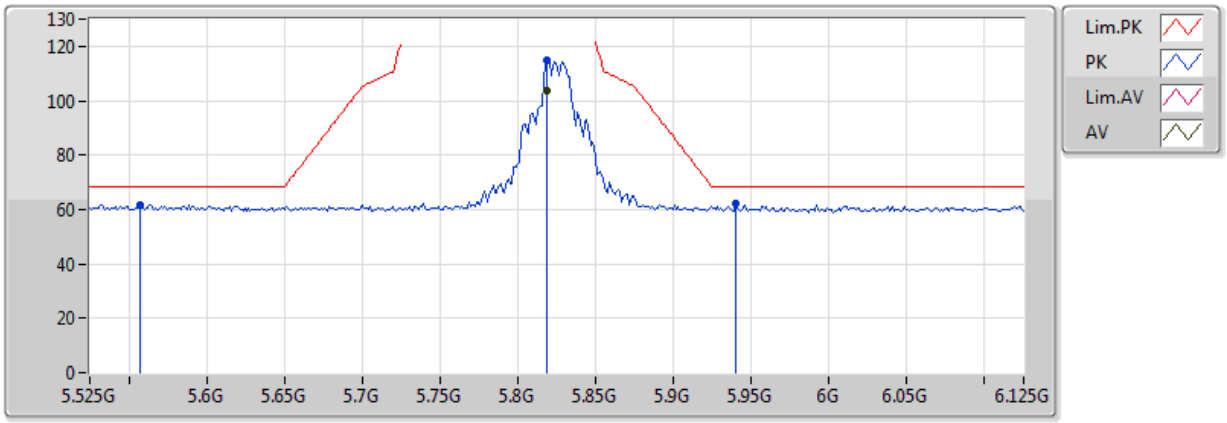


Eut : Z axis

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	104.38	Inf	-Inf	8.43	3	V	314	2.13	-
PK	5.6246G	62.22	68.20	-5.98	8.04	3	V	314	2.13	-
PK	5.8214G	116.29	Inf	-Inf	8.41	3	V	314	2.13	-
PK	5.951G	62.43	68.20	-5.77	8.64	3	V	314	2.13	-

802.11a_(6Mbps)_2TX

5825MHz_TX

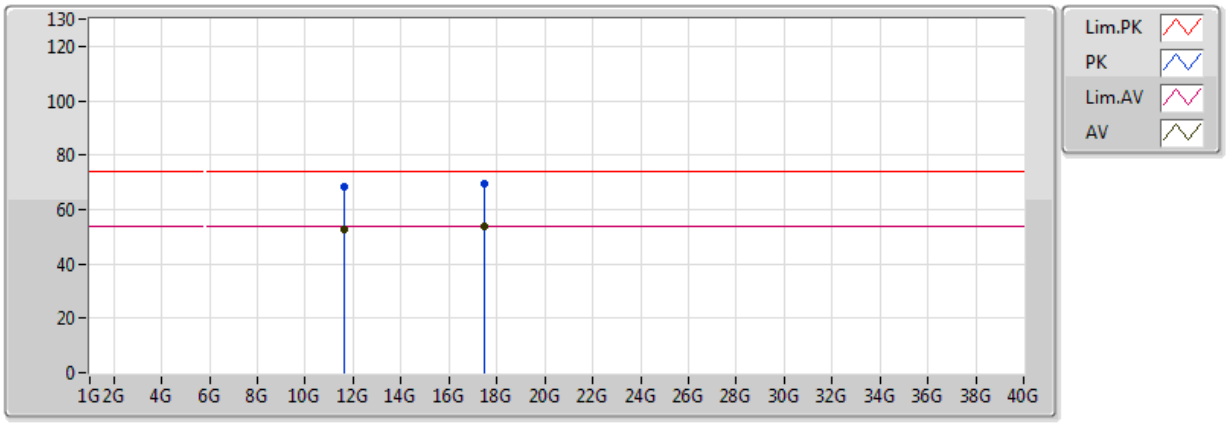


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.819G	103.53	Inf	-Inf	8.40	3	H	53	2.24	-
PK	5.5574G	61.82	68.20	-6.38	7.92	3	H	53	2.24	-
PK	5.819G	115.08	Inf	-Inf	8.40	3	H	53	2.24	-
PK	5.9402G	62.04	68.20	-6.16	8.62	3	H	53	2.24	-

802.11a_(6Mbps)_2TX

5825MHz_TX

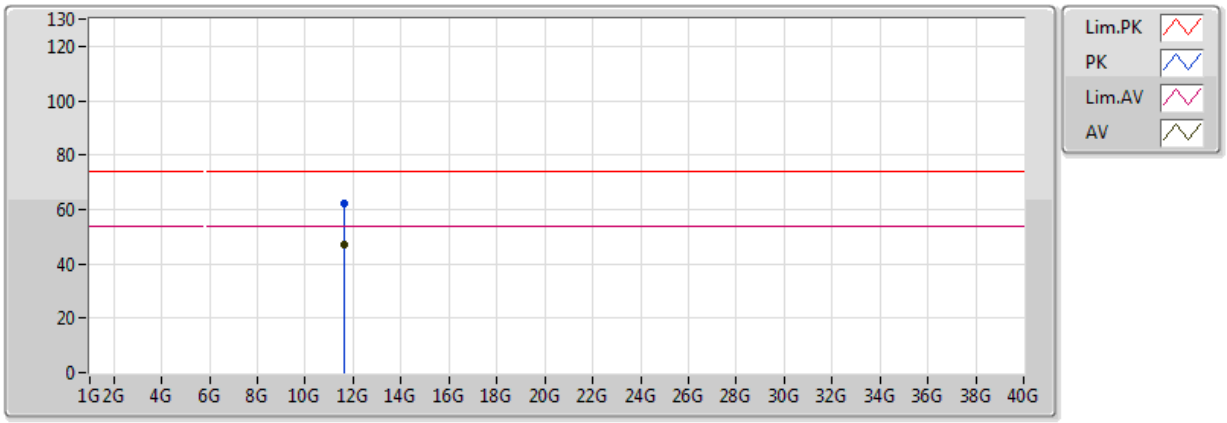


Eut : Z axis

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	52.64	54.00	-1.36	17.54	3	V	252	2.86	-
AV	17.475G	53.91	54.00	-0.09	23.09	3	V	120	1.02	-
PK	11.65G	68.43	74.00	-5.57	17.54	3	V	252	2.86	-
PK	17.475G	69.48	74.00	-4.52	23.09	3	V	120	1.02	-

802.11a_(6Mbps)_2TX

5825MHz_TX

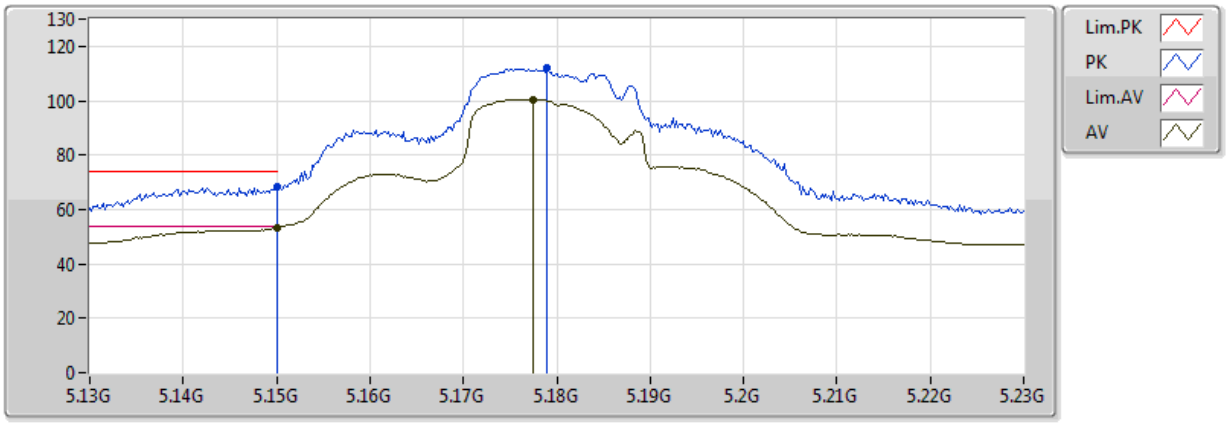


Eut : Z axis

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	47.32	54.00	-6.68	17.54	3	H	177	1.37	-
PK	11.65G	62.47	74.00	-11.53	17.54	3	H	177	1.37	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

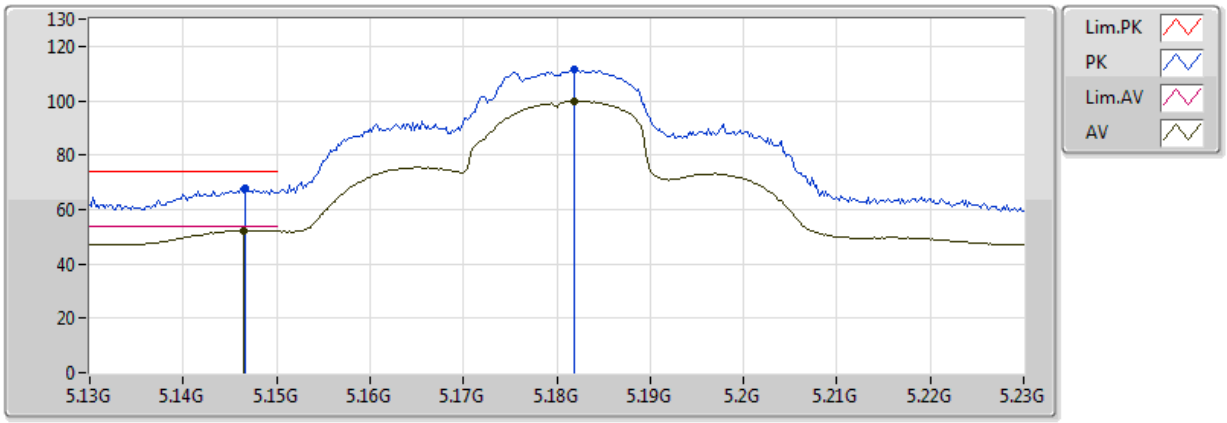


Eut : Z axis

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	53.24	54.00	-0.76	7.12	3	V	135	2.26	-
AV	5.1774G	100.54	Inf	-Inf	7.17	3	V	135	2.26	-
PK	5.149995G	68.43	74.00	-5.57	7.12	3	V	135	2.26	-
PK	5.179G	112.05	Inf	-Inf	7.18	3	V	135	2.26	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

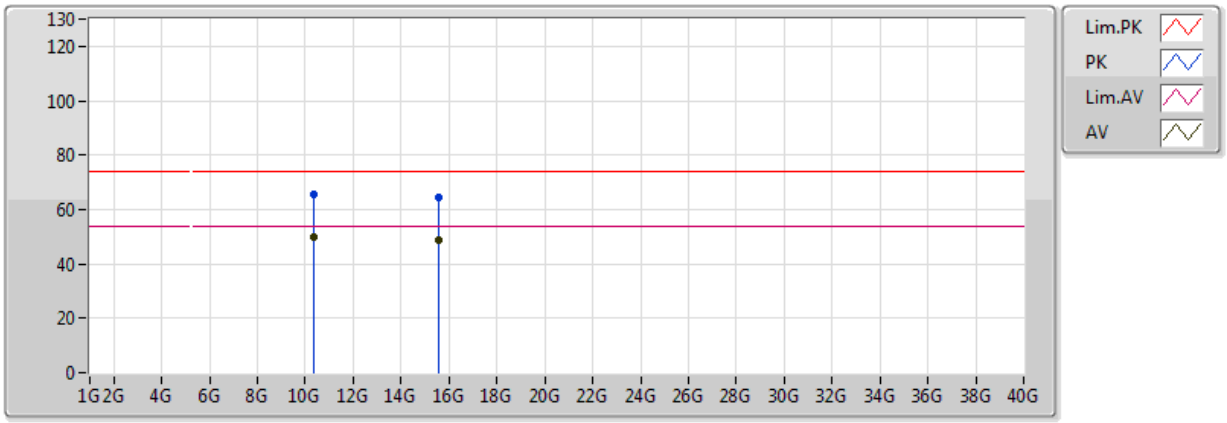


Eut : Z axis

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	52.34	54.00	-1.66	7.11	3	H	42	2.32	-
AV	5.1818G	99.93	Inf	-Inf	7.18	3	H	42	2.32	-
PK	5.1466G	67.93	74.00	-6.07	7.11	3	H	42	2.32	-
PK	5.1818G	111.52	Inf	-Inf	7.18	3	H	42	2.32	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

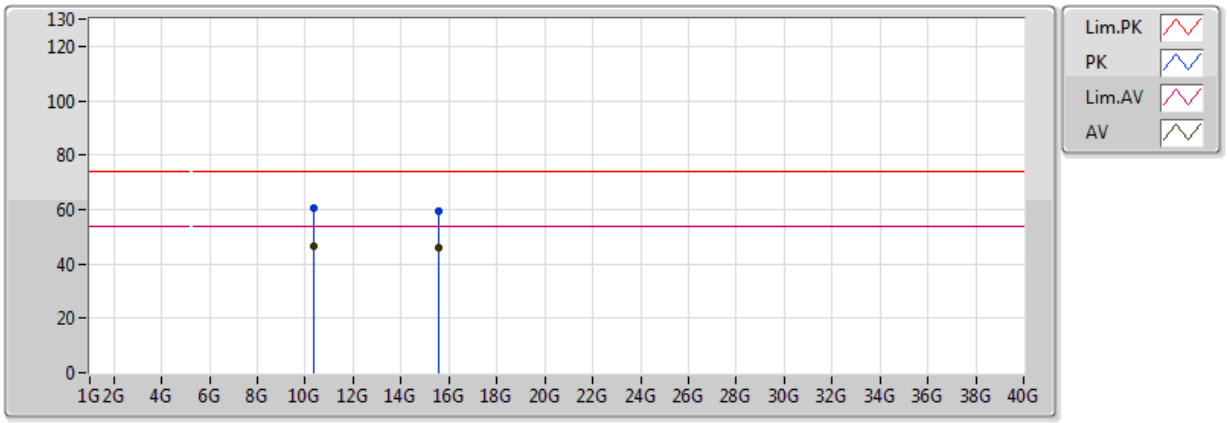


Eut : Z axis

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	50.01	54.00	-3.99	17.11	3	V	116	1.98	-
AV	15.54G	48.77	54.00	-5.23	17.67	3	V	248	2.42	-
PK	10.36G	65.81	74.00	-8.19	17.11	3	V	116	1.98	-
PK	15.54G	64.17	74.00	-9.83	17.67	3	V	248	2.42	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

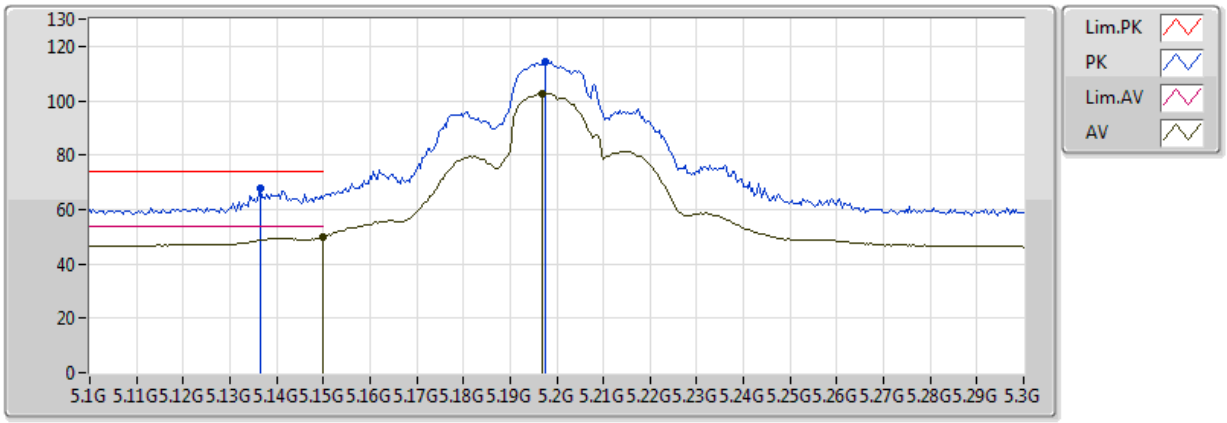


Eut : Z axis

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	46.71	54.00	-7.29	17.11	3	H	11	1.51	-
AV	15.54G	45.67	54.00	-8.33	17.67	3	H	165	1.02	-
PK	10.36G	60.31	74.00	-13.69	17.11	3	H	11	1.51	-
PK	15.54G	59.67	74.00	-14.33	17.67	3	H	165	1.02	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

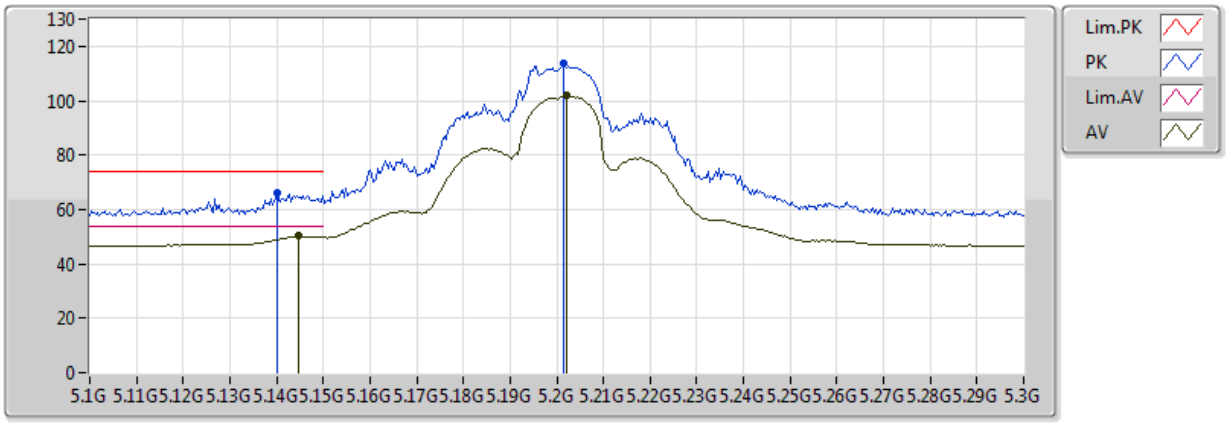


Eut : Z axis

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	50.00	54.00	-4.00	7.12	3	V	136	2.46	-
AV	5.1968G	102.60	Inf	-Inf	7.21	3	V	136	2.46	-
PK	5.1364G	67.61	74.00	-6.39	7.09	3	V	136	2.46	-
PK	5.1976G	114.10	Inf	-Inf	7.22	3	V	136	2.46	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

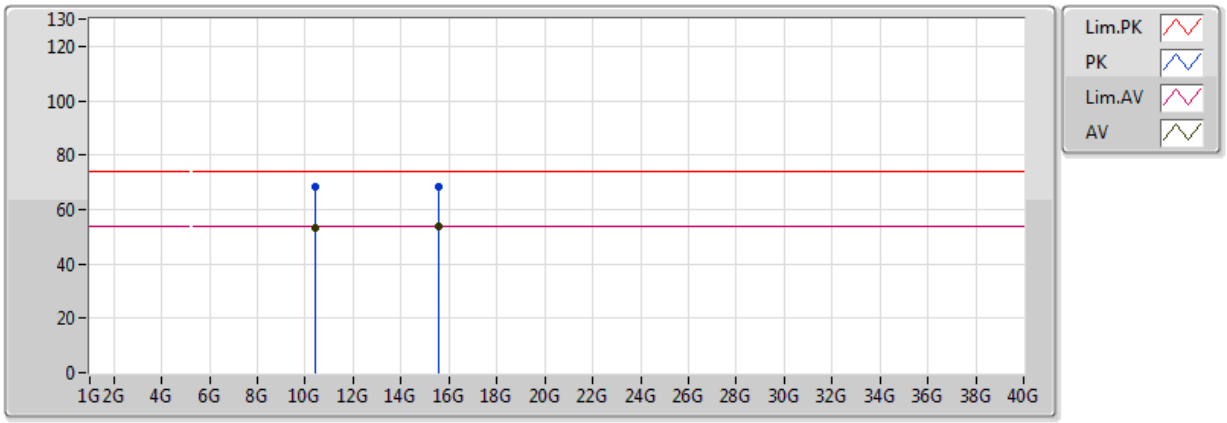


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1448G	50.20	54.00	-3.80	7.11	3	H	47	2.15	-
AV	5.202G	101.78	Inf	-Inf	7.22	3	H	47	2.15	-
PK	5.14G	66.09	74.00	-7.91	7.10	3	H	47	2.15	-
PK	5.2016G	113.47	Inf	-Inf	7.22	3	H	47	2.15	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

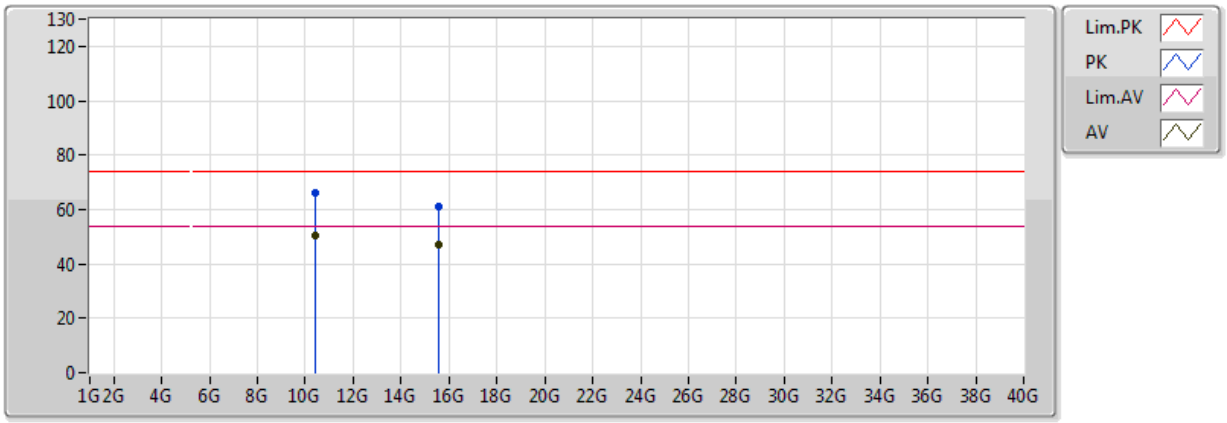


Eut : Z axis

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	53.18	54.00	-0.82	17.18	3	V	119	1.97	-
AV	15.6G	53.61	54.00	-0.39	17.48	3	V	249	2.86	-
PK	10.4G	68.53	74.00	-5.47	17.18	3	V	119	1.97	-
PK	15.6G	68.12	74.00	-5.88	17.48	3	V	249	2.86	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

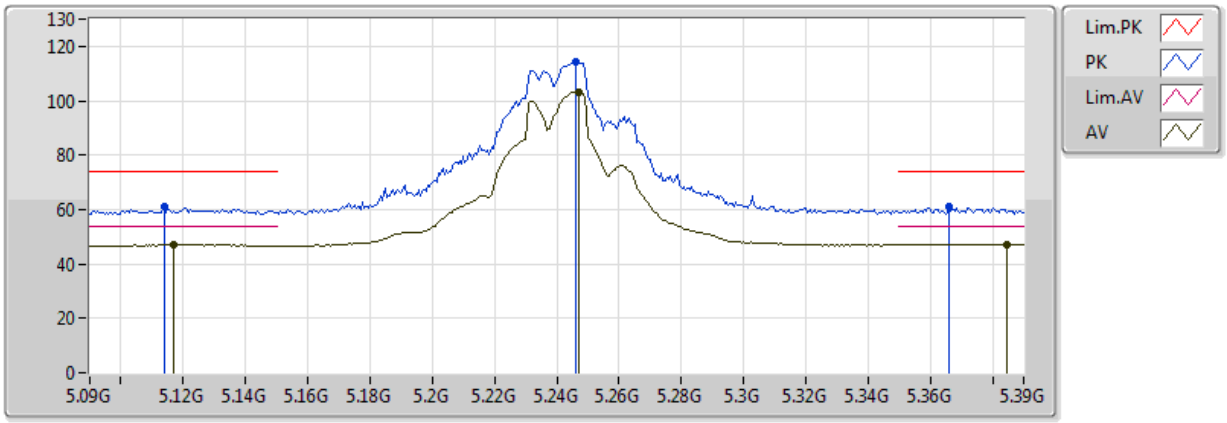


Eut : Z axis

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	50.28	54.00	-3.72	17.18	3	H	191	1.02	-
AV	15.6G	47.07	54.00	-6.93	17.48	3	H	165	1.28	-
PK	10.4G	66.35	74.00	-7.65	17.18	3	H	191	1.02	-
PK	15.6G	60.99	74.00	-13.01	17.48	3	H	165	1.28	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

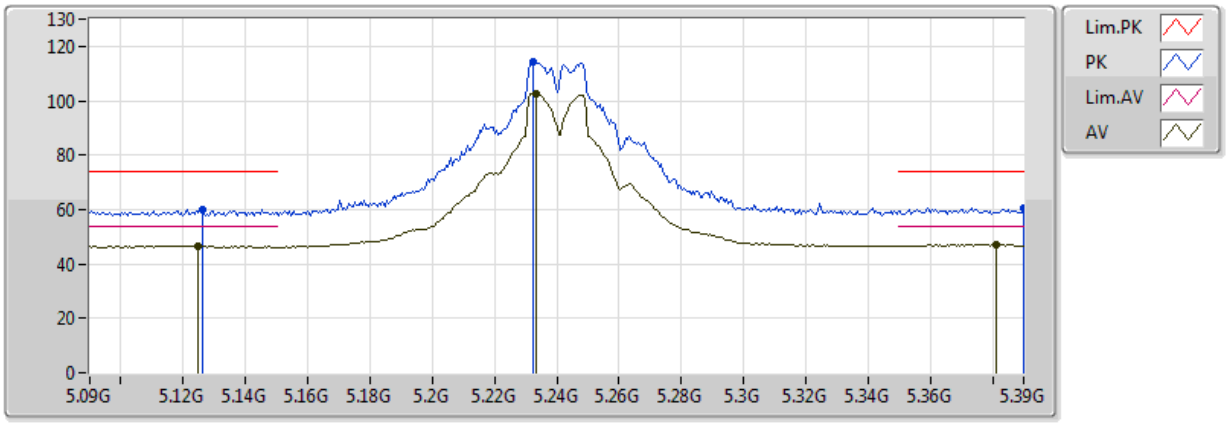


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.117G	47.02	54.00	-6.98	7.05	3	V	136	2.26	-
AV	5.2472G	103.30	Inf	-Inf	7.31	3	V	136	2.26	-
AV	5.3846G	47.31	54.00	-6.69	7.59	3	V	136	2.26	-
PK	5.114G	60.88	74.00	-13.12	7.05	3	V	136	2.26	-
PK	5.246G	114.47	Inf	-Inf	7.31	3	V	136	2.26	-
PK	5.366G	60.99	74.00	-13.01	7.55	3	V	136	2.26	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

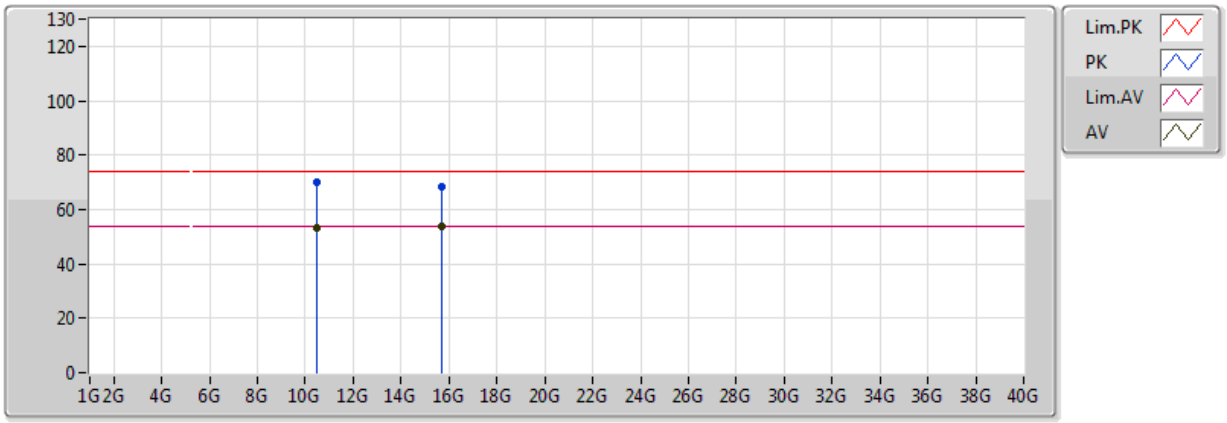


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1248G	46.67	54.00	-7.33	7.07	3	H	46	2.19	-
AV	5.2334G	102.76	Inf	-Inf	7.29	3	H	46	2.19	-
AV	5.381G	47.14	54.00	-6.86	7.58	3	H	46	2.19	-
PK	5.126G	59.90	74.00	-14.10	7.07	3	H	46	2.19	-
PK	5.2322G	114.23	Inf	-Inf	7.28	3	H	46	2.19	-
PK	5.39G	60.76	74.00	-13.24	7.60	3	H	46	2.19	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

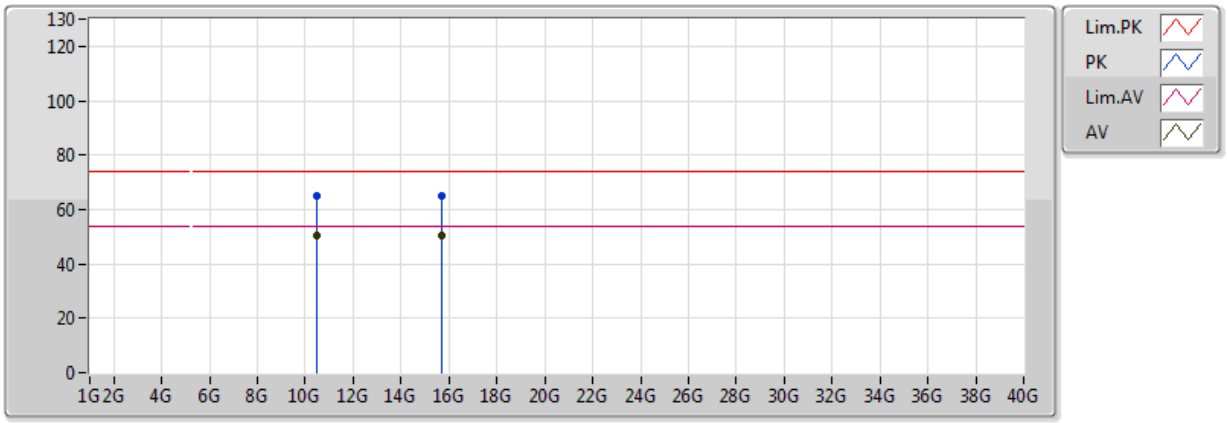


Eut : Z axis

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	53.50	54.00	-0.50	17.30	3	V	118	1.92	-
AV	15.72G	53.64	54.00	-0.36	17.11	3	V	65	1.01	-
PK	10.48G	69.93	74.00	-4.07	17.30	3	V	118	1.92	-
PK	15.72G	68.37	74.00	-5.63	17.11	3	V	65	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

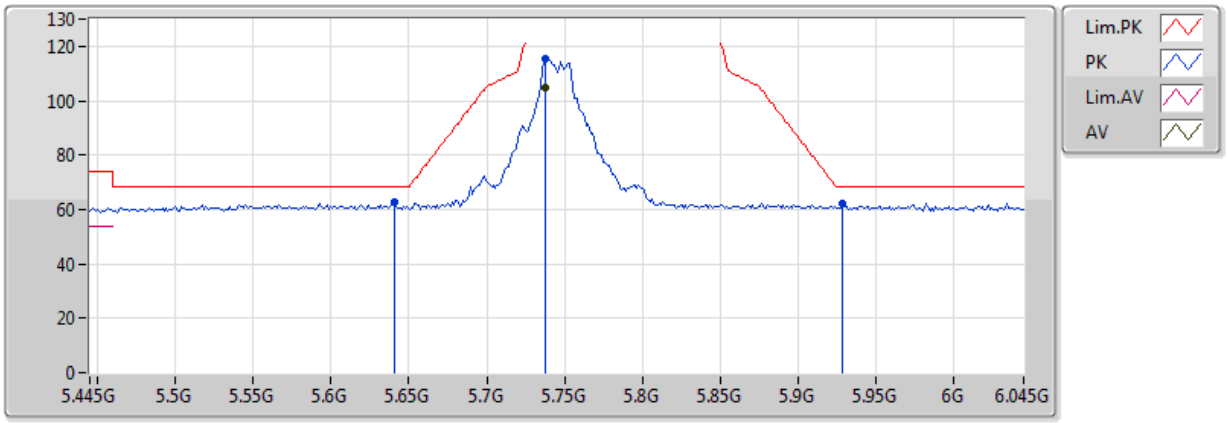


Eut : Z axis

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	50.30	54.00	-3.70	17.30	3	H	183	1.06	-
AV	15.72G	50.71	54.00	-3.29	17.11	3	H	28	1.98	-
PK	10.48G	65.10	74.00	-8.90	17.30	3	H	183	1.06	-
PK	15.72G	65.08	74.00	-8.92	17.11	3	H	28	1.98	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

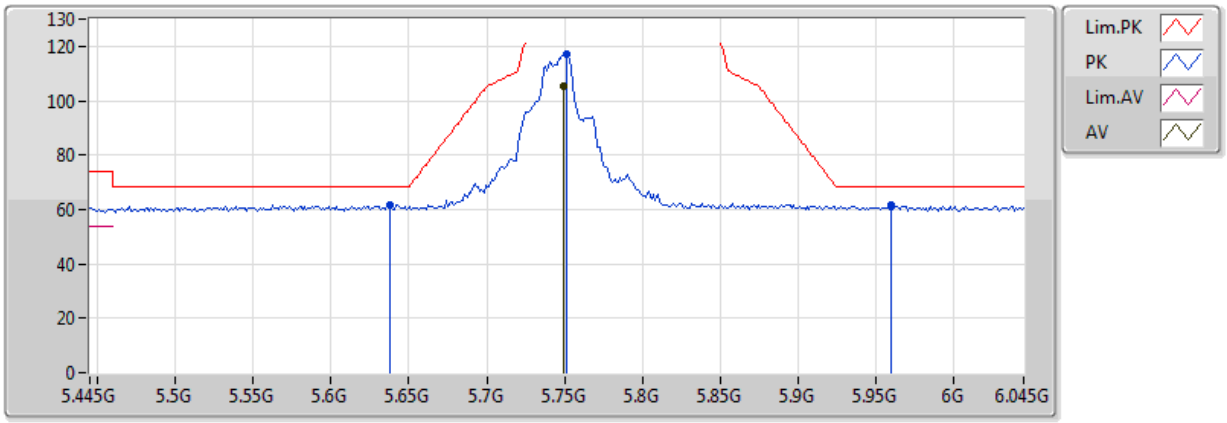


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7378G	104.59	Inf	-Inf	8.25	3	V	306	2.23	-
PK	5.6406G	62.60	68.20	-5.60	8.07	3	V	306	2.23	-
PK	5.7378G	115.61	Inf	-Inf	8.25	3	V	306	2.23	-
PK	5.9286G	62.15	68.20	-6.05	8.60	3	V	306	2.23	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

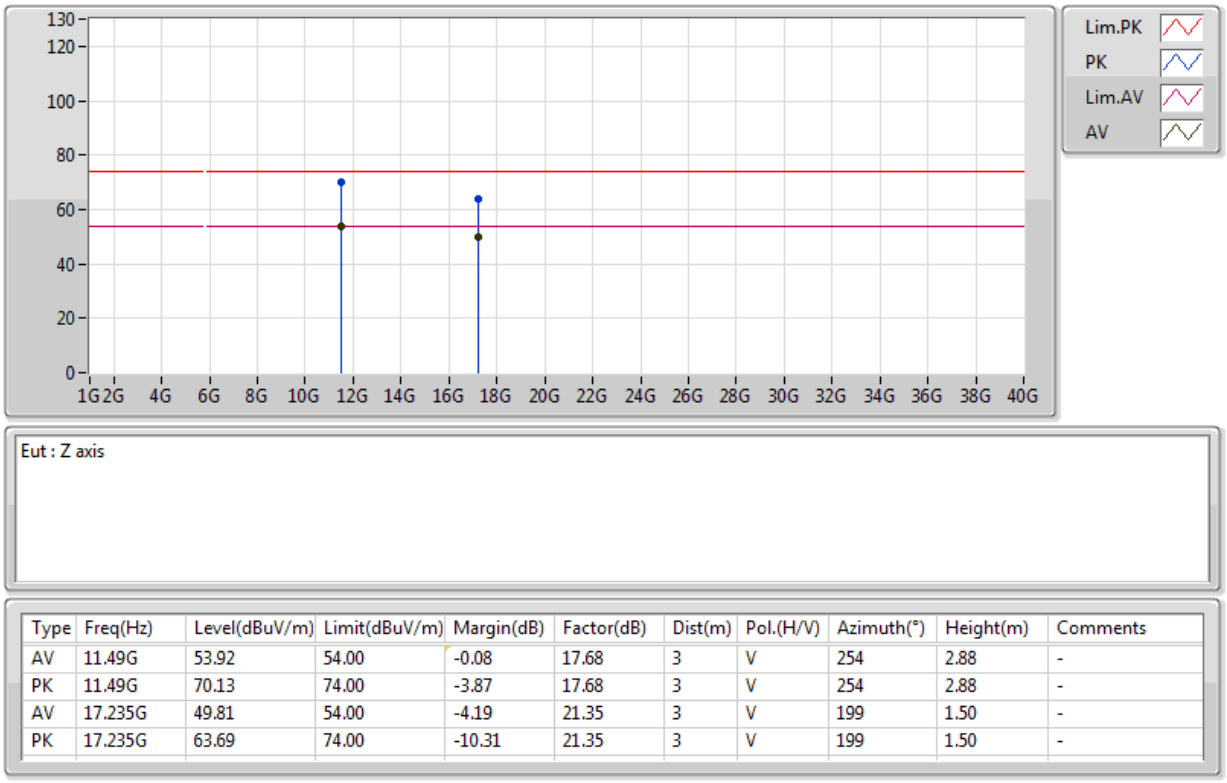


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7498G	105.34	Inf	-Inf	8.27	3	H	30	3.30	-
PK	5.6382G	61.62	68.20	-6.58	8.07	3	H	30	3.30	-
PK	5.751G	116.90	Inf	-Inf	8.28	3	H	30	3.30	-
PK	5.9598G	61.57	68.20	-6.63	8.66	3	H	30	3.30	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

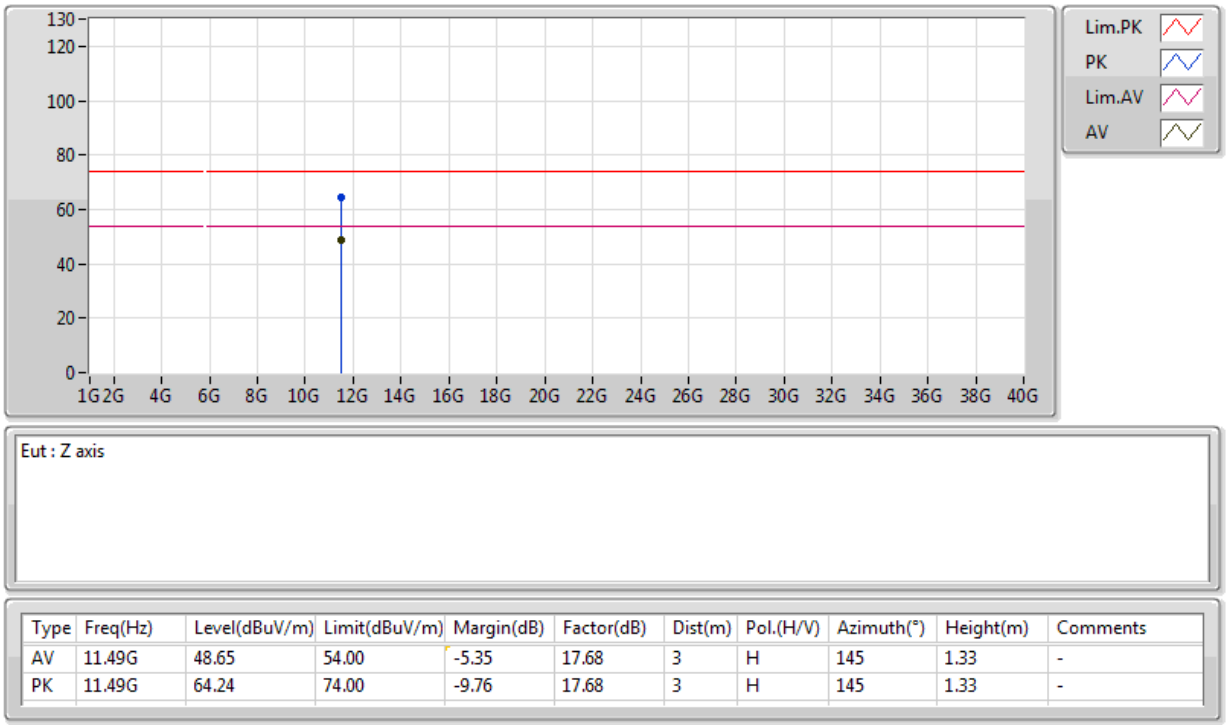


Eut : Z axis

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	53.92	54.00	-0.08	17.68	3	V	254	2.88	-
PK	11.49G	70.13	74.00	-3.87	17.68	3	V	254	2.88	-
AV	17.235G	49.81	54.00	-4.19	21.35	3	V	199	1.50	-
PK	17.235G	63.69	74.00	-10.31	21.35	3	V	199	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

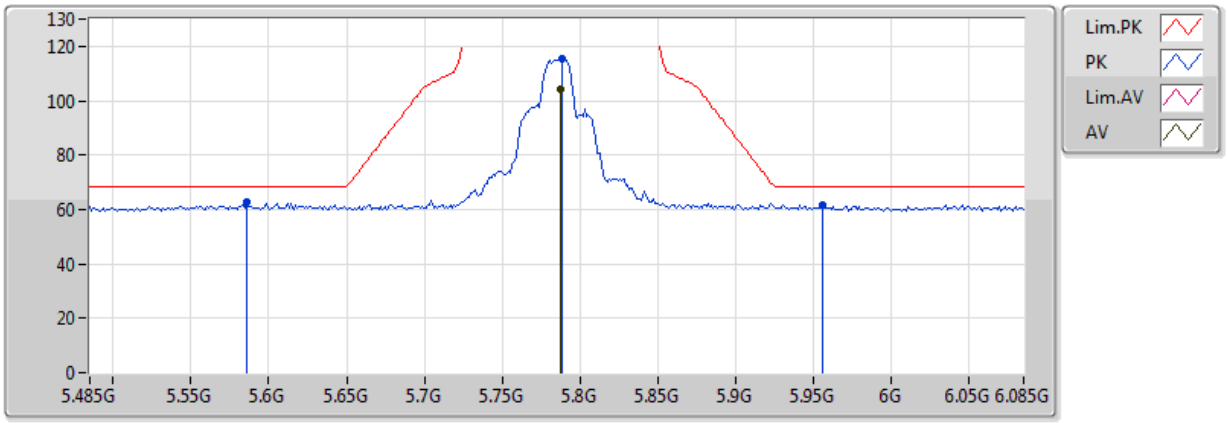


Eut : Z axis

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	48.65	54.00	-5.35	17.68	3	H	145	1.33	-
PK	11.49G	64.24	74.00	-9.76	17.68	3	H	145	1.33	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

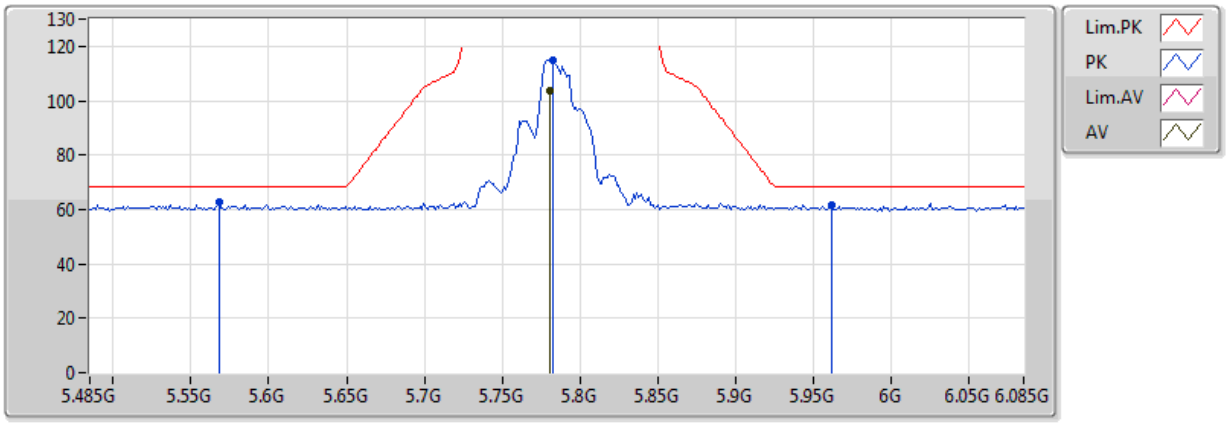


Eut : Z axis

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	104.15	Inf	-Inf	8.35	3	V	309	2.19	-
PK	5.5858G	62.54	68.20	-5.66	7.97	3	V	309	2.19	-
PK	5.7886G	115.66	Inf	-Inf	8.35	3	V	309	2.19	-
PK	5.9554G	61.85	68.20	-6.35	8.65	3	V	309	2.19	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

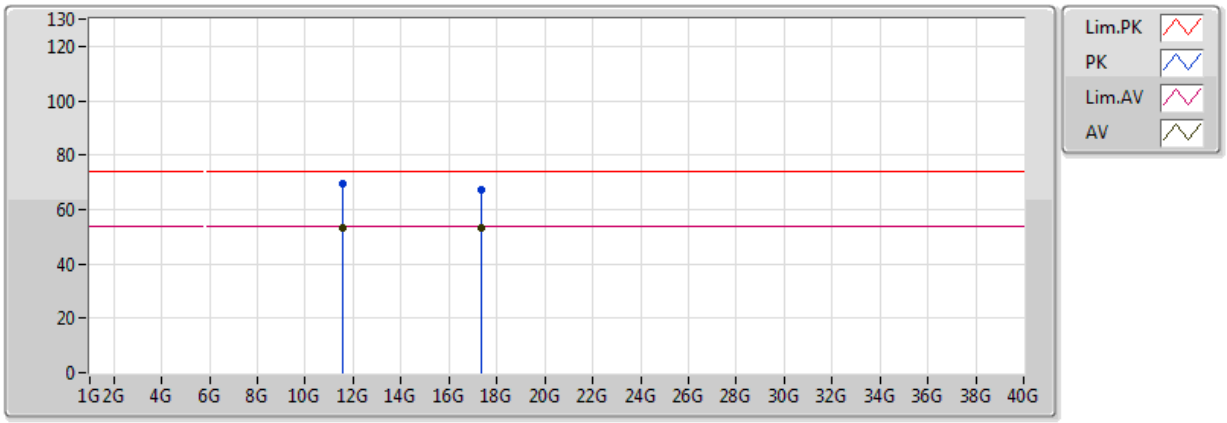


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7802G	103.49	Inf	-Inf	8.33	3	H	51	2.01	-
PK	5.5678G	62.50	68.20	-5.70	7.94	3	H	51	2.01	-
PK	5.7826G	114.99	Inf	-Inf	8.34	3	H	51	2.01	-
PK	5.9614G	61.71	68.20	-6.49	8.66	3	H	51	2.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

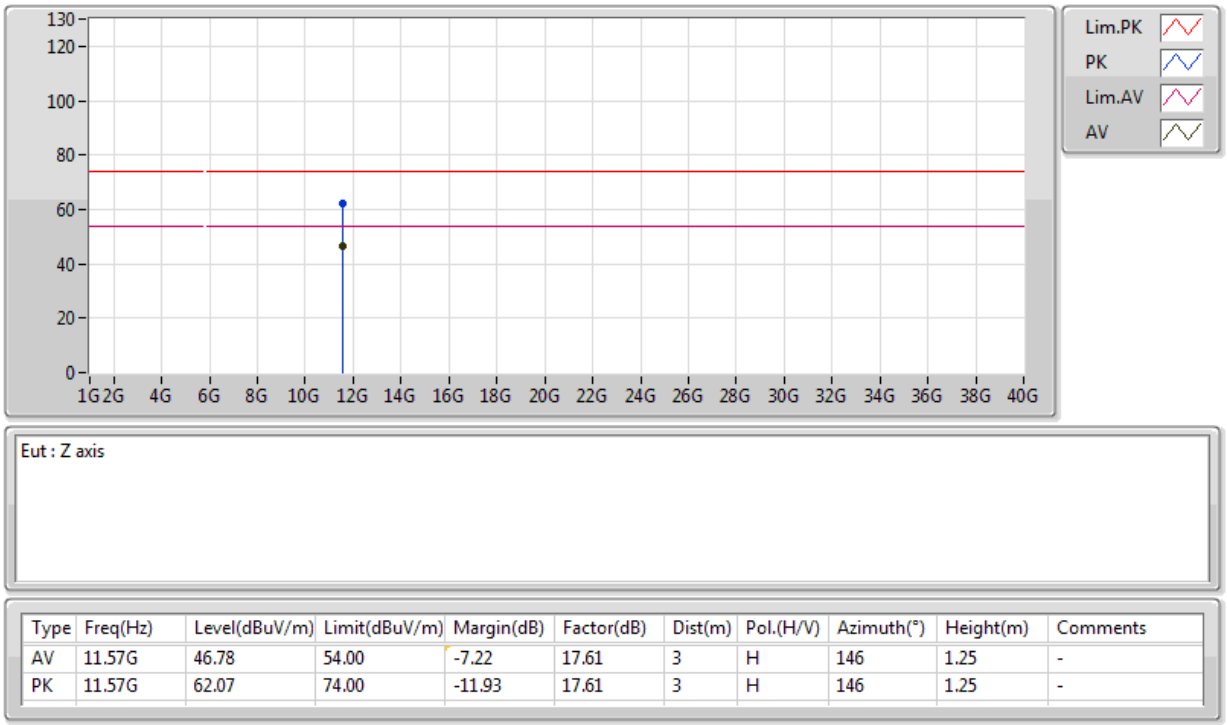


Eut : Z axis

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	53.29	54.00	-0.71	17.61	3	V	254	3.06	-
AV	17.355G	53.10	54.00	-0.90	22.22	3	V	119	1.01	-
PK	11.57G	69.39	74.00	-4.61	17.61	3	V	254	3.06	-
PK	17.355G	67.42	74.00	-6.58	22.22	3	V	119	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

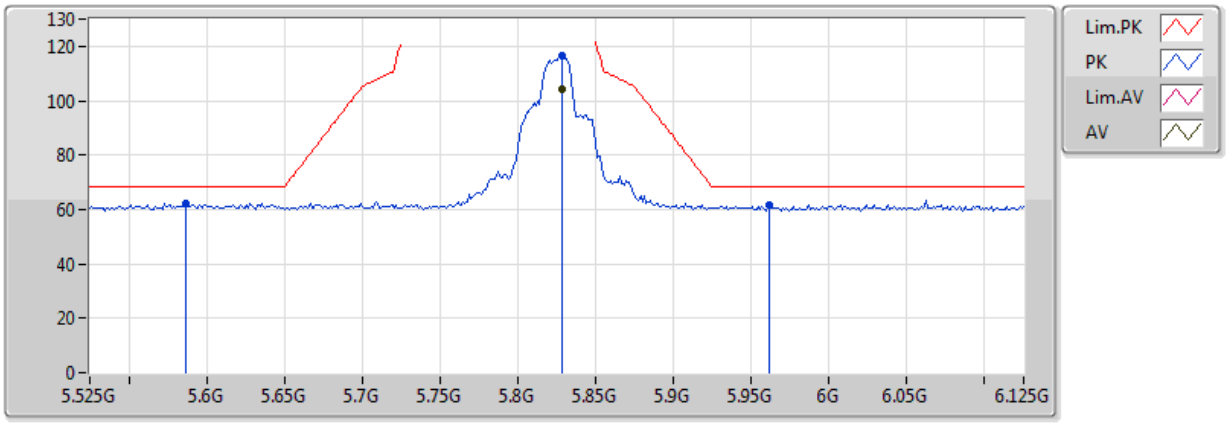


Eut : Z axis

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	46.78	54.00	-7.22	17.61	3	H	146	1.25	-
PK	11.57G	62.07	74.00	-11.93	17.61	3	H	146	1.25	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

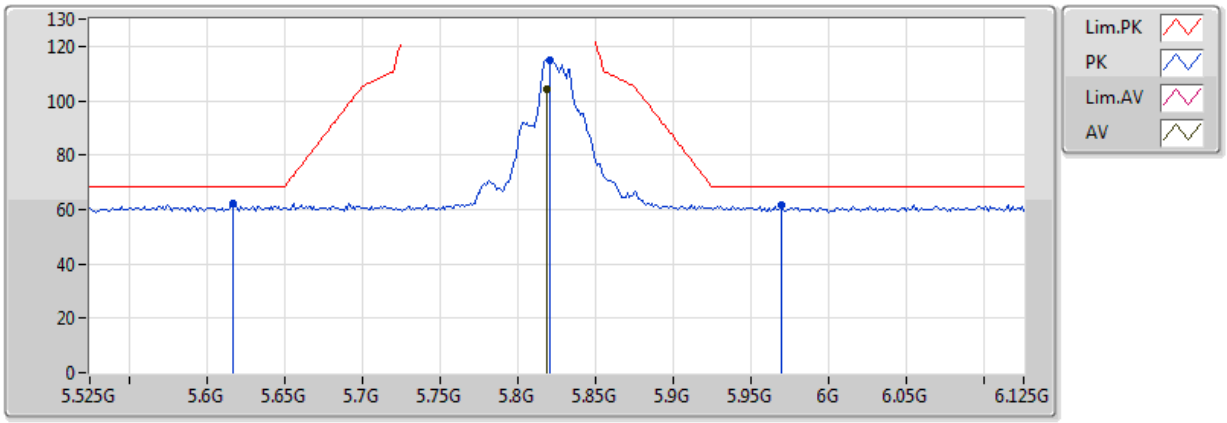


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8286G	104.37	Inf	-Inf	8.42	3	V	312	2.12	-
PK	5.5862G	62.35	68.20	-5.85	7.98	3	V	312	2.12	-
PK	5.8286G	116.50	Inf	-Inf	8.42	3	V	312	2.12	-
PK	5.9618G	61.46	68.20	-6.74	8.66	3	V	312	2.12	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

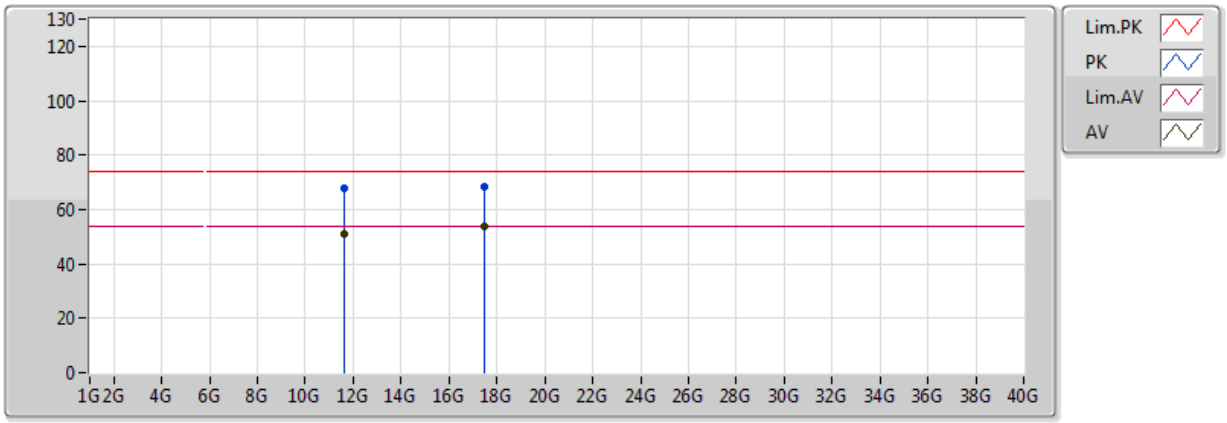


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.819G	104.00	Inf	-Inf	8.40	3	H	34	2.46	-
PK	5.6174G	62.15	68.20	-6.05	8.03	3	H	34	2.46	-
PK	5.8202G	115.15	Inf	-Inf	8.41	3	H	34	2.46	-
PK	5.969G	61.58	68.20	-6.62	8.67	3	H	34	2.46	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

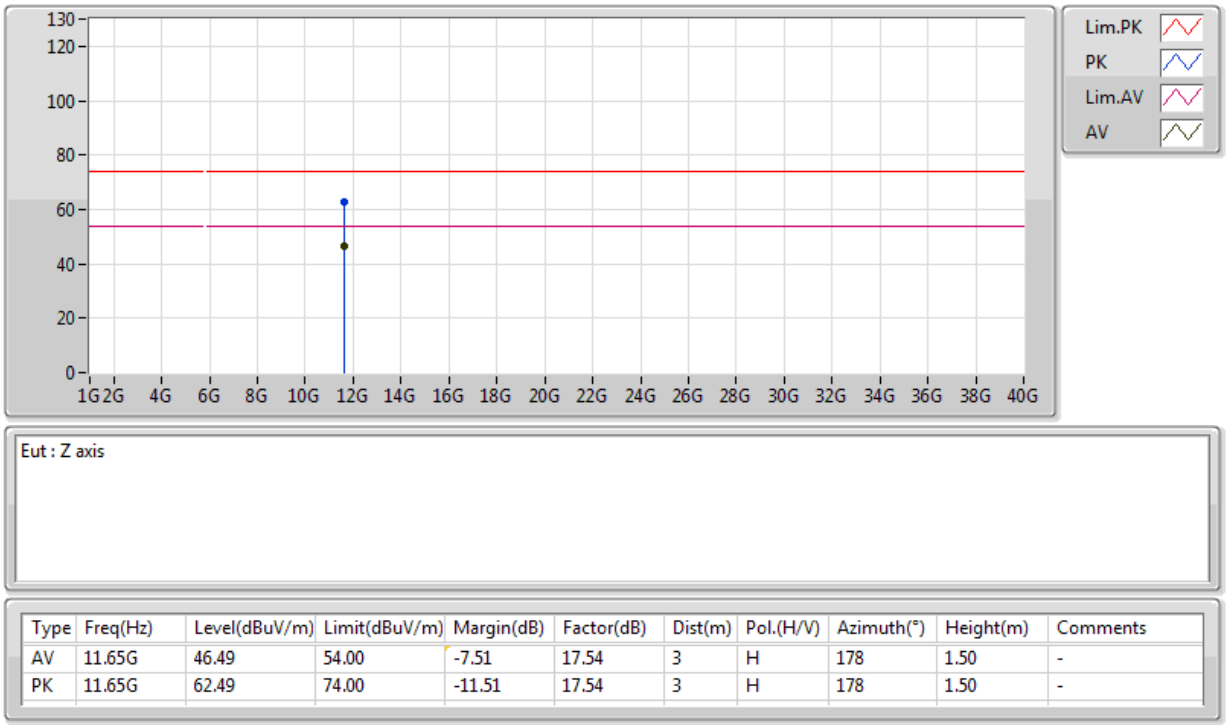


Eut : Z axis

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	51.21	54.00	-2.79	17.54	3	V	267	3.03	-
AV	17.475G	53.82	54.00	-0.18	23.09	3	V	121	1.88	-
PK	11.65G	67.96	74.00	-6.04	17.54	3	V	267	3.03	-
PK	17.475G	68.24	74.00	-5.76	23.09	3	V	121	1.88	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

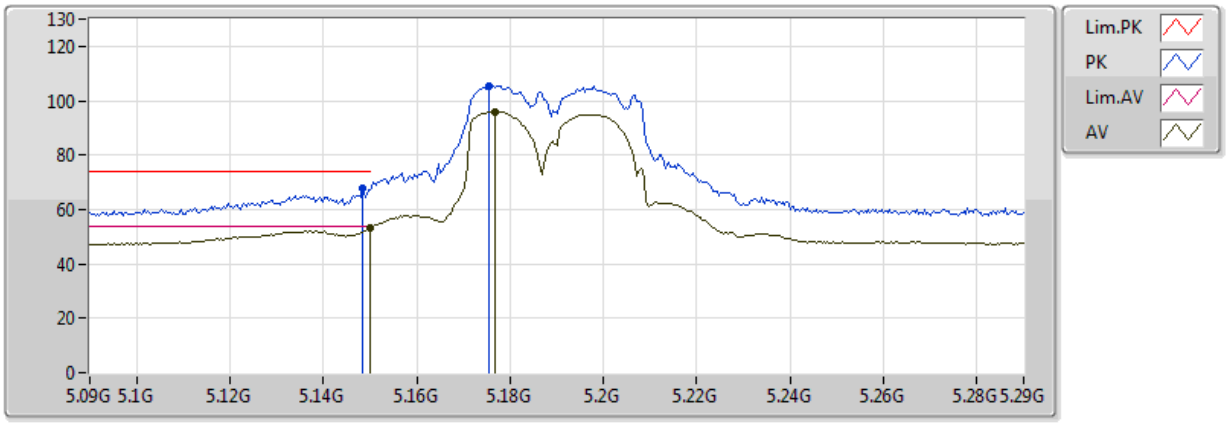


Eut : Z axis

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	46.49	54.00	-7.51	17.54	3	H	178	1.50	-
PK	11.65G	62.49	74.00	-11.51	17.54	3	H	178	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

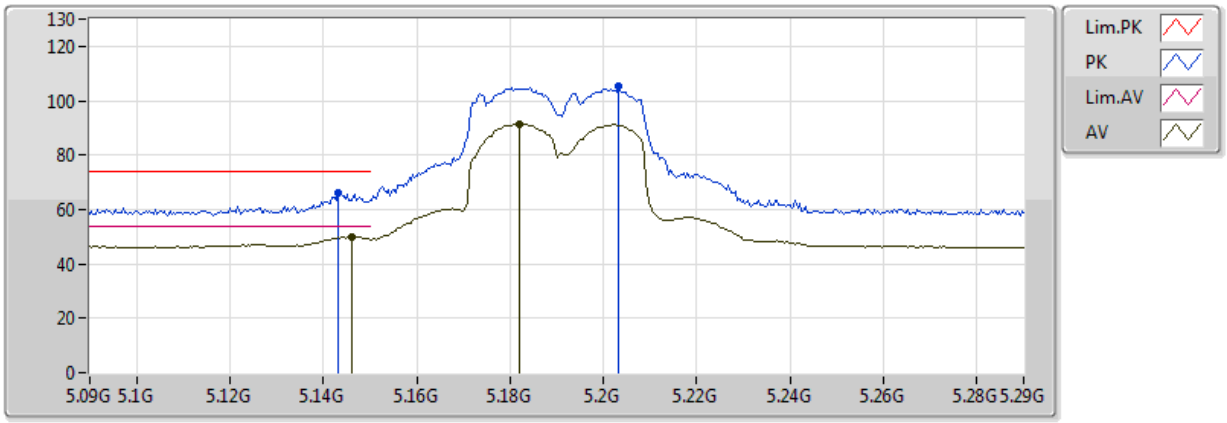


Eut : Z axis

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	7.12	3	V	124	2.19	-
AV	5.1768G	95.95	Inf	-Inf	7.17	3	V	124	2.19	-
PK	5.1484G	67.76	74.00	-6.24	7.12	3	V	124	2.19	-
PK	5.1756G	105.48	Inf	-Inf	7.17	3	V	124	2.19	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

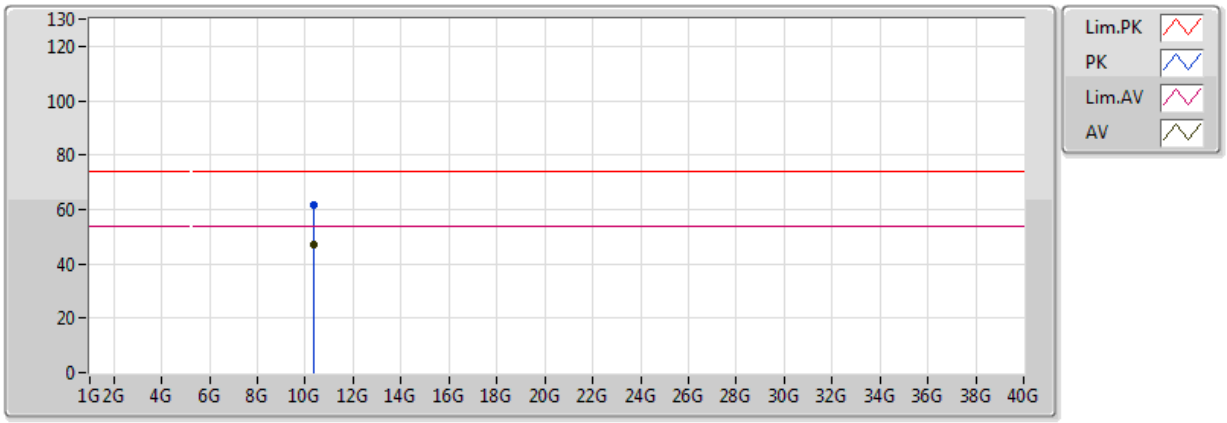


Eut : Z axis

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	49.81	54.00	-4.19	7.11	3	H	40	2.35	-
AV	5.182G	91.38	Inf	-Inf	7.18	3	H	40	2.35	-
PK	5.1432G	66.01	74.00	-7.99	7.11	3	H	40	2.35	-
PK	5.2032G	105.33	Inf	-Inf	7.23	3	H	40	2.35	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

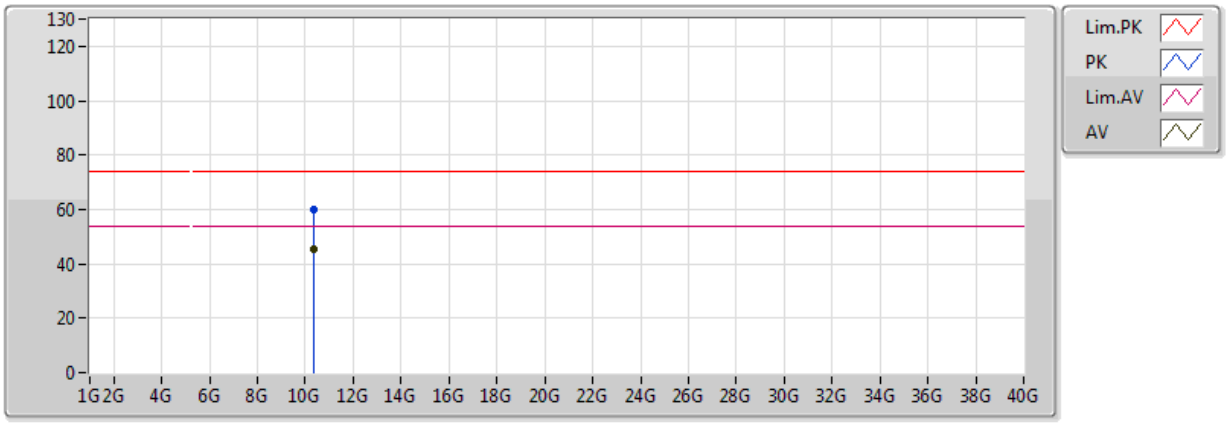


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.38G	47.25	54.00	-6.75	17.15	3	V	22	2.63	-
PK	10.38G	61.45	74.00	-12.55	17.15	3	V	22	2.63	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

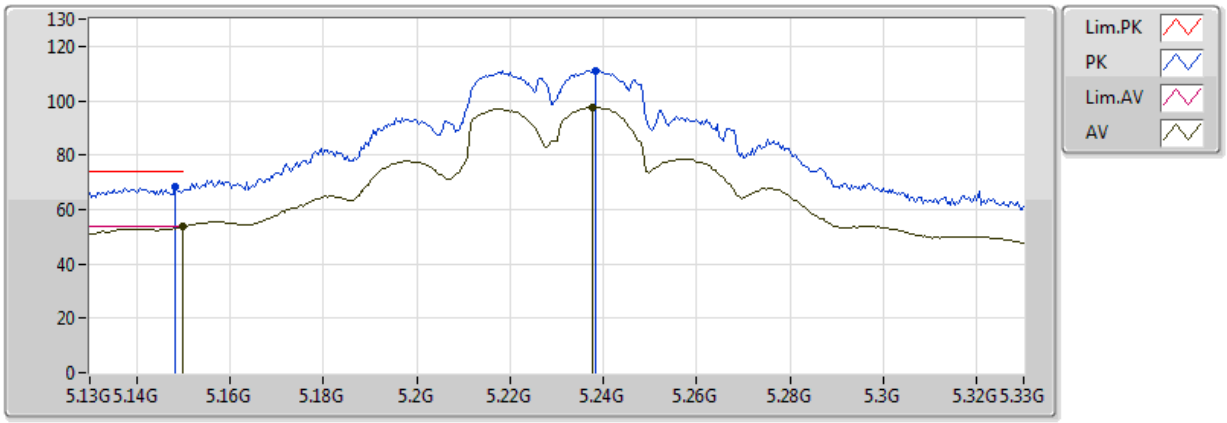


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.38G	45.25	54.00	-8.75	17.15	3	H	134	1.26	-
PK	10.38G	59.95	74.00	-14.05	17.15	3	H	134	1.26	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

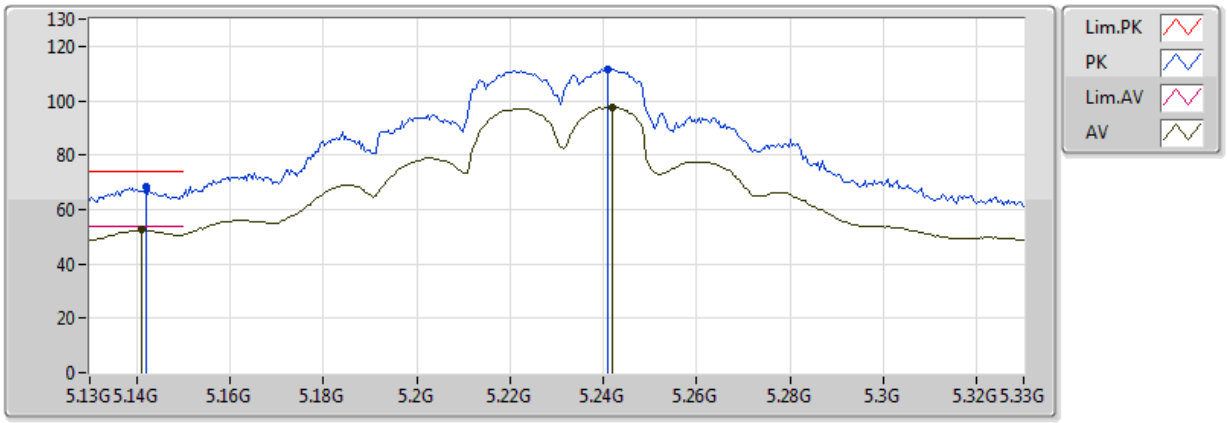


Eut : Z axis

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	53.69	54.00	-0.31	7.12	3	V	136	2.31	-
AV	5.2376G	97.73	Inf	-Inf	7.30	3	V	136	2.31	-
PK	5.1484G	68.38	74.00	-5.62	7.12	3	V	136	2.31	-
PK	5.2384G	110.97	Inf	-Inf	7.30	3	V	136	2.31	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

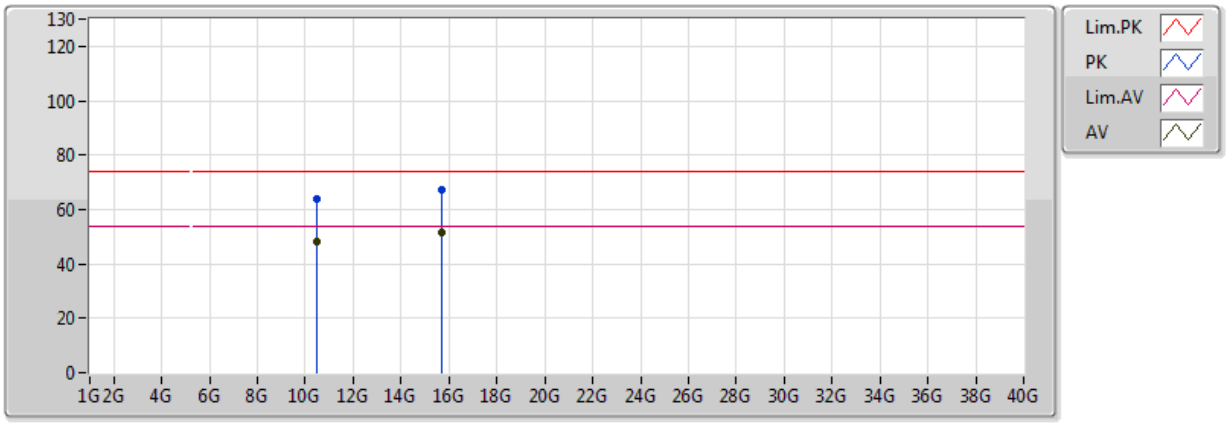


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1412G	52.42	54.00	-1.58	7.10	3	H	45	2.19	-
AV	5.242G	97.74	Inf	-Inf	7.30	3	H	45	2.19	-
PK	5.142G	68.18	74.00	-5.82	7.10	3	H	45	2.19	-
PK	5.2408G	111.42	Inf	-Inf	7.30	3	H	45	2.19	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

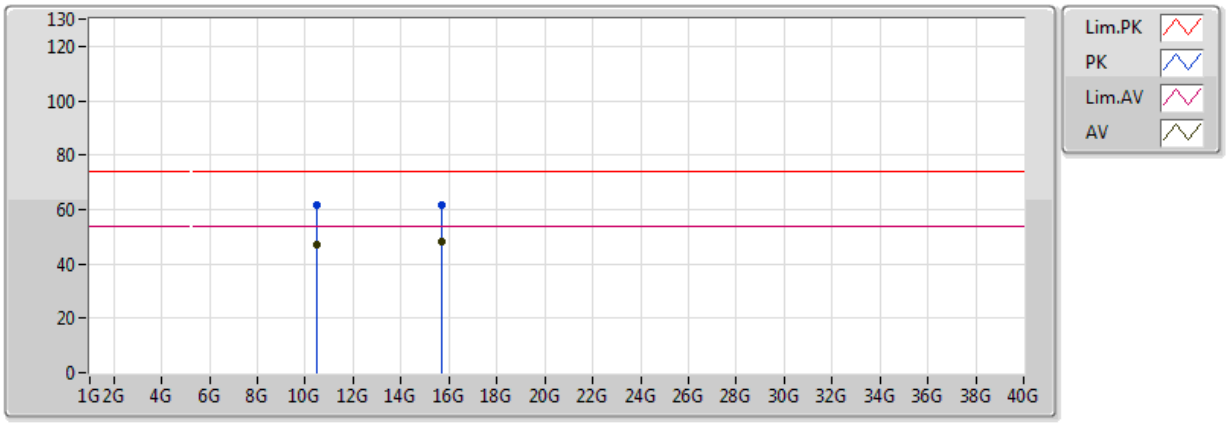


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.46G	48.37	54.00	-5.63	17.27	3	V	144	1.96	-
AV	15.69G	51.70	54.00	-2.30	17.20	3	V	251	2.86	-
PK	10.46G	63.67	74.00	-10.33	17.27	3	V	144	1.96	-
PK	15.69G	67.00	74.00	-7.00	17.20	3	V	251	2.86	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

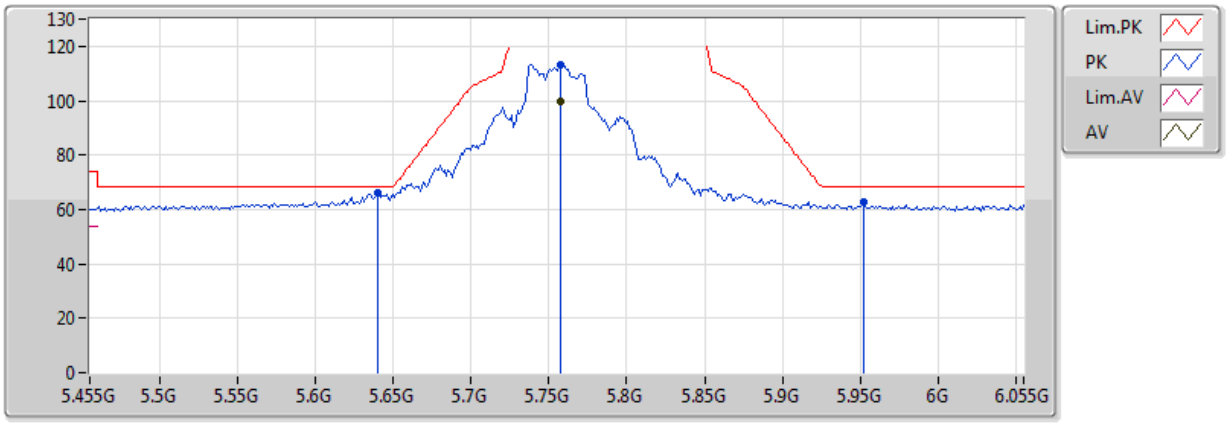


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.46G	47.27	54.00	-6.73	17.27	3	H	184	1.19	-
AV	15.69G	48.20	54.00	-5.80	17.20	3	H	30	2.02	-
PK	10.46G	61.77	74.00	-12.23	17.27	3	H	184	1.19	-
PK	15.69G	61.80	74.00	-12.20	17.20	3	H	30	2.02	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

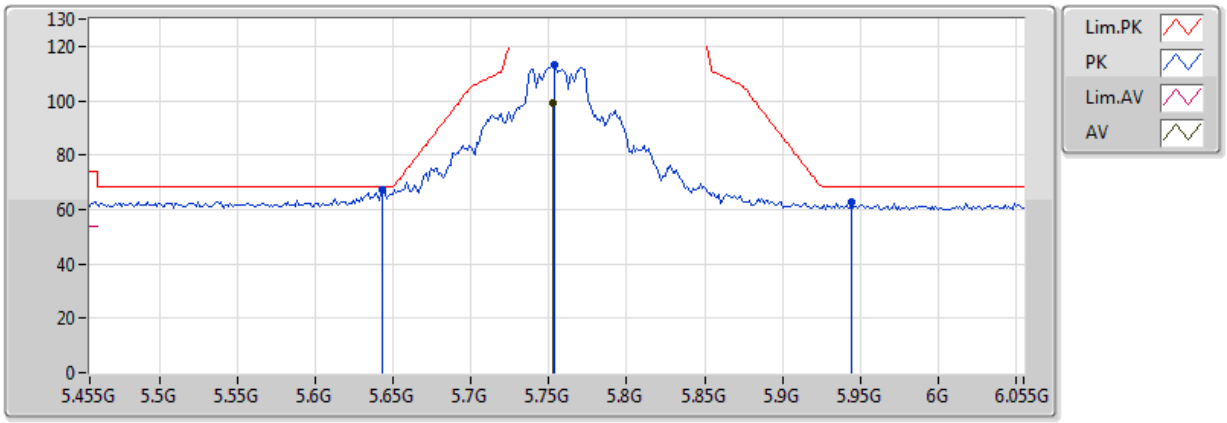


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7574G	99.57	Inf	-Inf	8.29	3	V	315	2.15	-
PK	5.6398G	66.04	68.20	-2.16	8.07	3	V	315	2.15	-
PK	5.7574G	113.18	Inf	-Inf	8.29	3	V	315	2.15	-
PK	5.9518G	62.67	68.20	-5.53	8.64	3	V	315	2.15	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

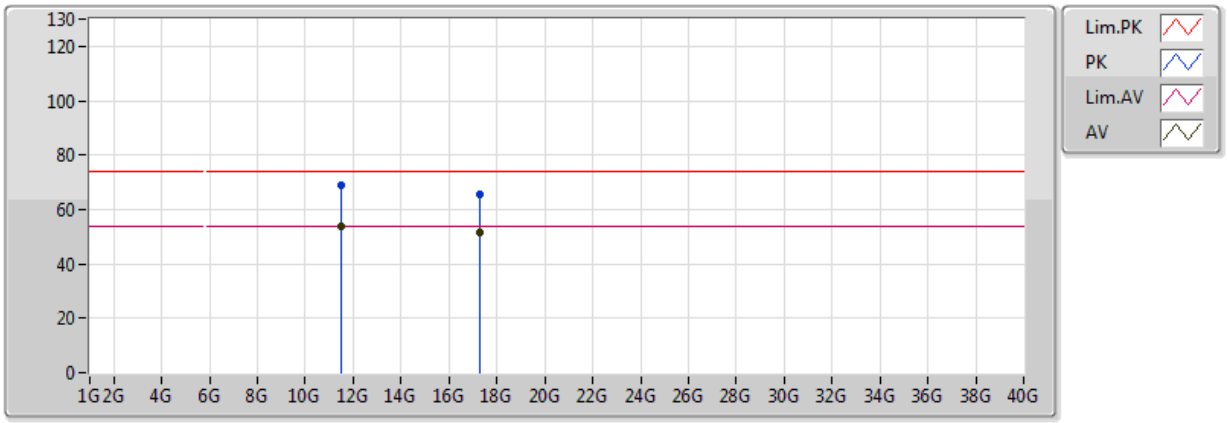


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7526G	99.28	Inf	-Inf	8.28	3	H	59	2.07	-
PK	5.6434G	67.33	68.20	-0.87	8.08	3	H	59	2.07	-
PK	5.7538G	113.14	Inf	-Inf	8.28	3	H	59	2.07	-
PK	5.9446G	62.58	68.20	-5.62	8.63	3	H	59	2.07	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

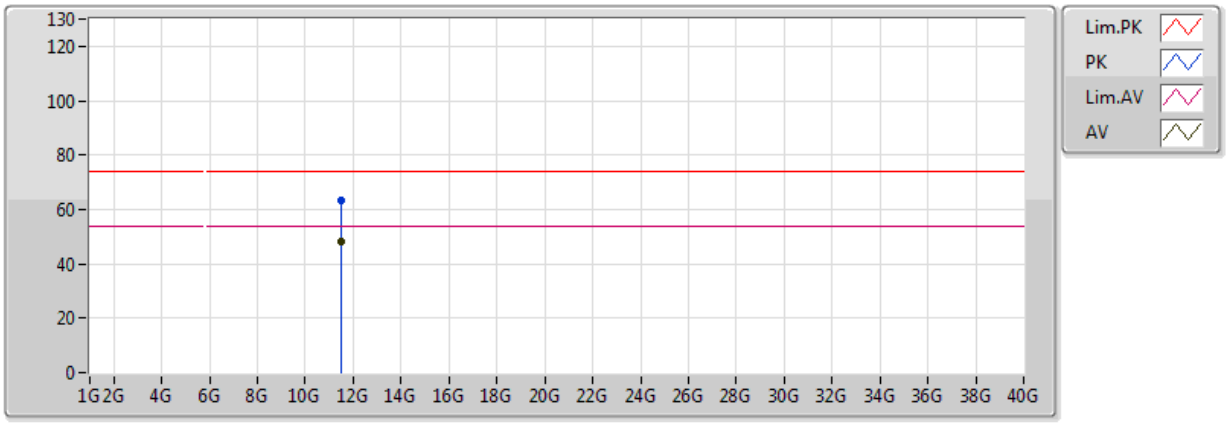


Eut : Z axis

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	53.92	54.00	-0.08	17.66	3	V	255	2.85	-
AV	17.265G	51.36	54.00	-2.64	21.56	3	V	119	1.01	-
PK	11.51G	68.73	74.00	-5.27	17.66	3	V	255	2.85	-
PK	17.265G	65.39	74.00	-8.61	21.56	3	V	119	1.01	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

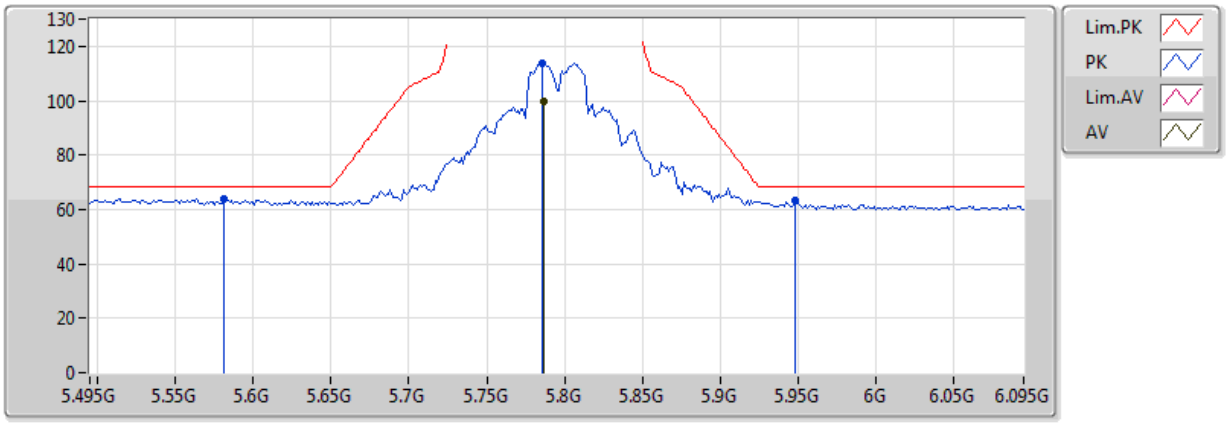


Eut : Z axis

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	48.13	54.00	-5.87	17.66	3	H	176	1.50	-
PK	11.51G	63.04	74.00	-10.96	17.66	3	H	176	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

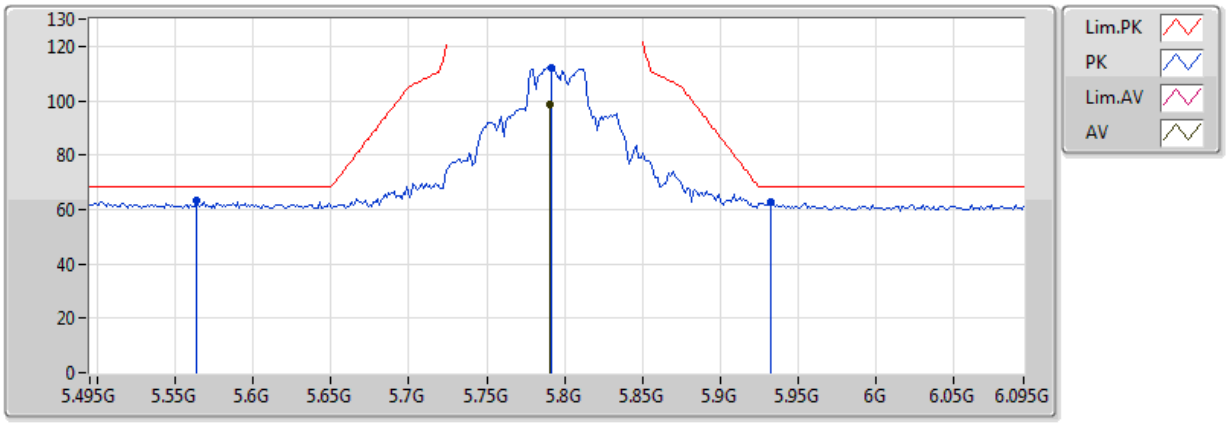


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7866G	99.85	Inf	-Inf	8.34	3	V	139	2.17	-
PK	5.5814G	63.98	68.20	-4.22	7.97	3	V	139	2.17	-
PK	5.7854G	113.93	Inf	-Inf	8.34	3	V	139	2.17	-
PK	5.9486G	63.25	68.20	-4.95	8.64	3	V	139	2.17	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

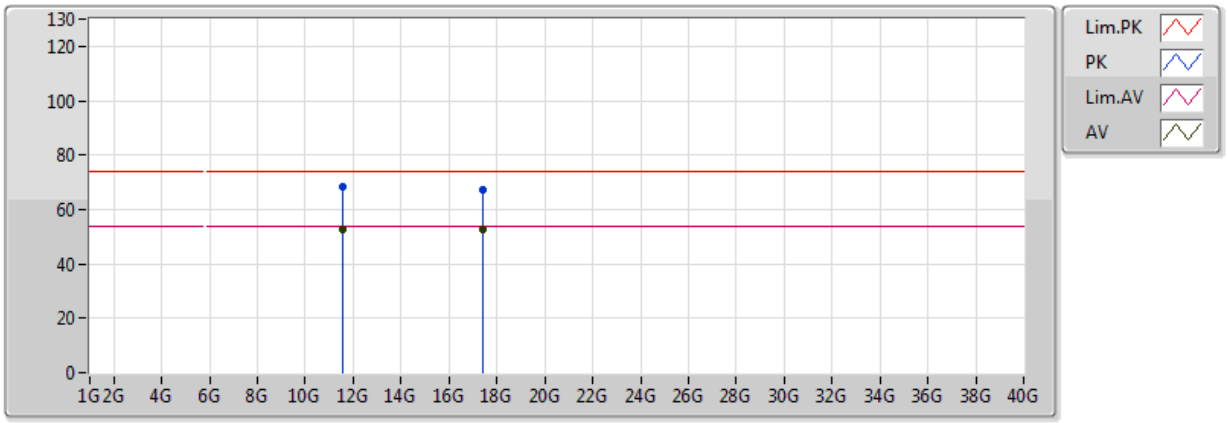


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7902G	98.59	Inf	-Inf	8.35	3	H	52	2.03	-
PK	5.5634G	63.41	68.20	-4.79	7.93	3	H	52	2.03	-
PK	5.7914G	112.00	Inf	-Inf	8.35	3	H	52	2.03	-
PK	5.933G	62.64	68.20	-5.56	8.61	3	H	52	2.03	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

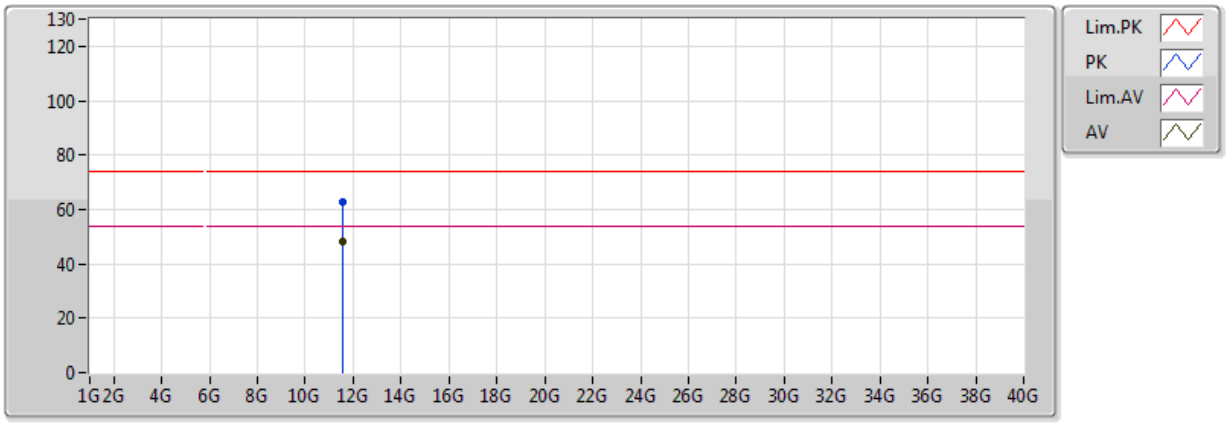


Eut : Z axis

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	52.77	54.00	-1.23	17.59	3	V	251	2.82	-
AV	17.385G	52.56	54.00	-1.44	22.44	3	V	119	1.01	-
PK	11.59G	68.32	74.00	-5.68	17.59	3	V	251	2.82	-
PK	17.385G	67.17	74.00	-6.83	22.44	3	V	119	1.01	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

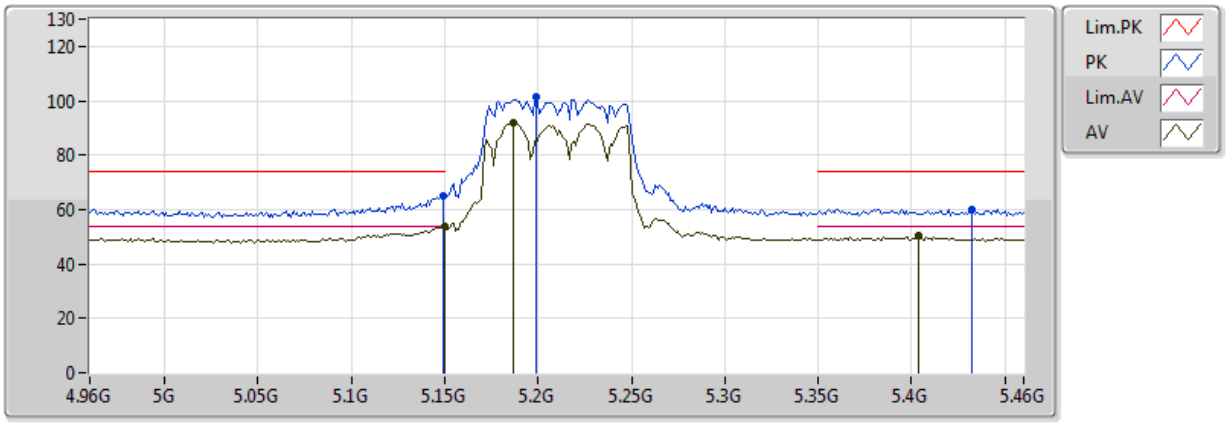


Eut : Z axis

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	48.10	54.00	-5.90	17.59	3	H	177	1.50	-
PK	11.59G	62.95	74.00	-11.05	17.59	3	H	177	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

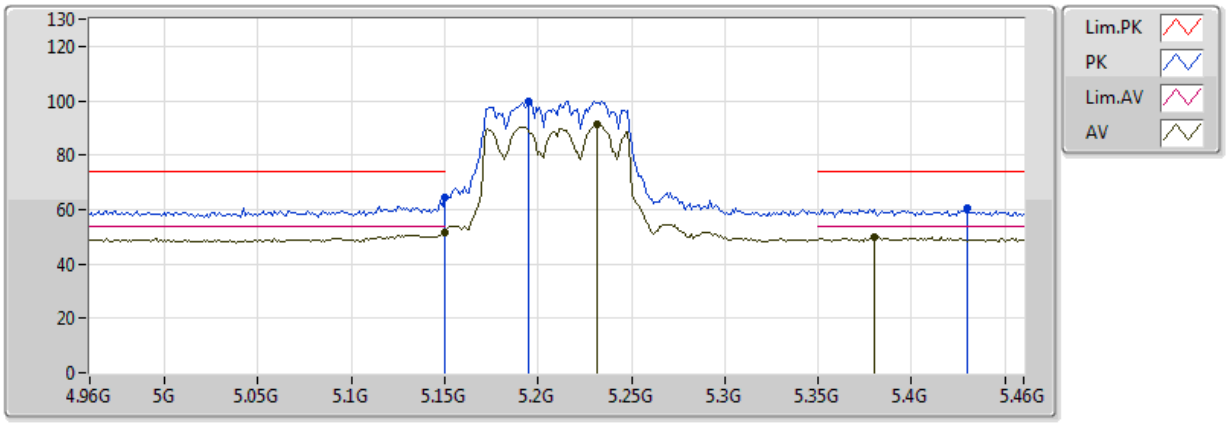


Eut : Z axis

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	53.72	54.00	-0.28	7.12	3	V	136	2.28	-
AV	5.187G	92.17	Inf	-Inf	7.19	3	V	136	2.28	-
AV	5.404G	50.17	54.00	-3.83	7.63	3	V	136	2.28	-
PK	5.149G	65.02	74.00	-8.98	7.12	3	V	136	2.28	-
PK	5.199G	101.42	Inf	-Inf	7.22	3	V	136	2.28	-
PK	5.432G	59.98	74.00	-14.02	7.68	3	V	136	2.28	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

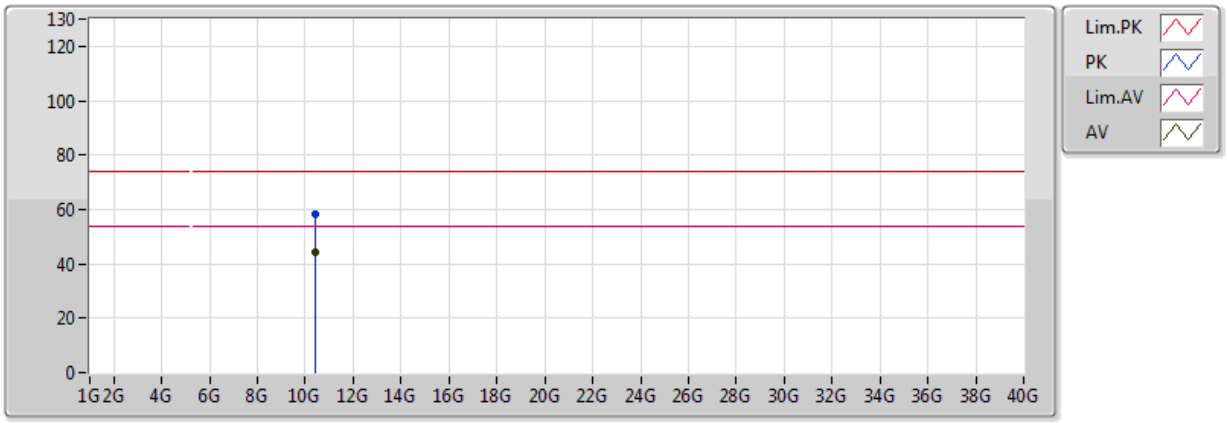


Eut : Z axis

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	51.78	54.00	-2.22	7.12	3	H	49	2.18	-
AV	5.232G	91.22	Inf	-Inf	7.28	3	H	49	2.18	-
AV	5.38G	49.83	54.00	-4.17	7.58	3	H	49	2.18	-
PK	5.149995G	64.69	74.00	-9.31	7.12	3	H	49	2.18	-
PK	5.195G	99.92	Inf	-Inf	7.21	3	H	49	2.18	-
PK	5.43G	60.30	74.00	-13.70	7.68	3	H	49	2.18	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

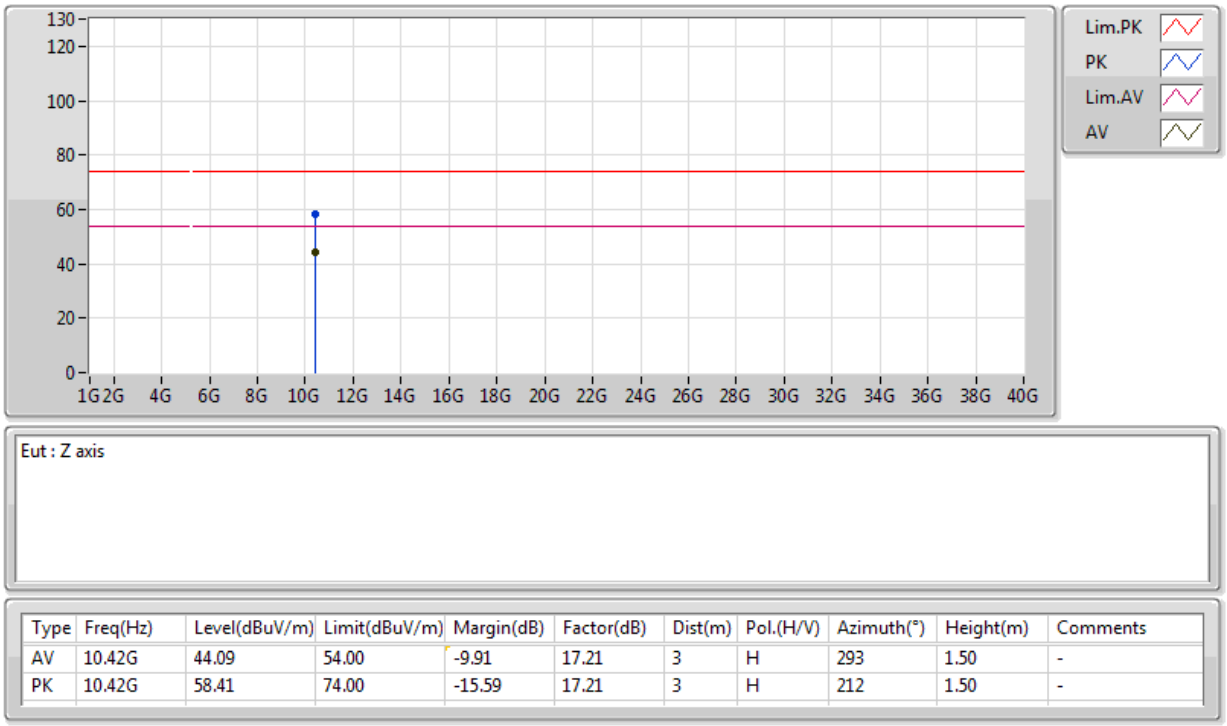


Eut : Z axis

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	44.41	54.00	-9.59	17.21	3	V	148	1.50	-
PK	10.42G	58.21	74.00	-15.79	17.21	3	V	261	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

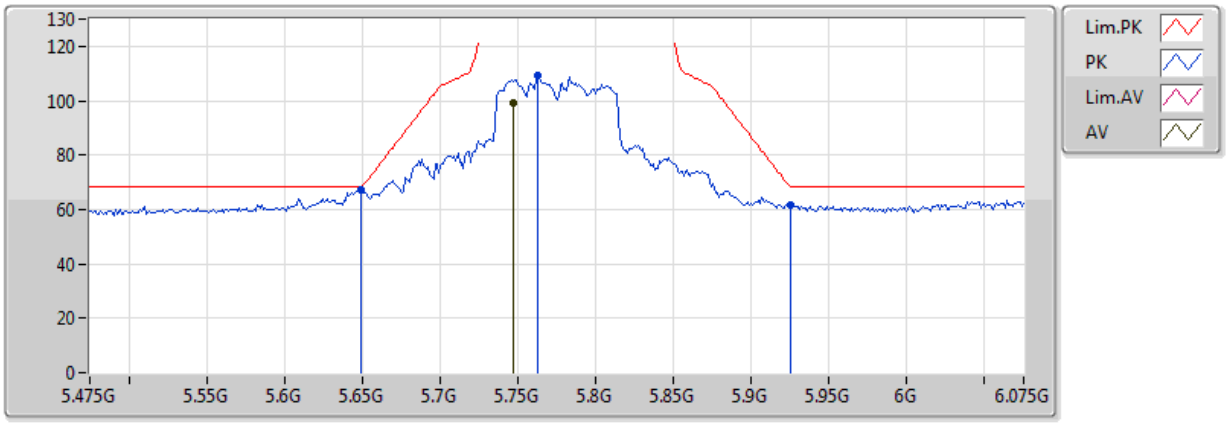


Eut : Z axis

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	44.09	54.00	-9.91	17.21	3	H	293	1.50	-
PK	10.42G	58.41	74.00	-15.59	17.21	3	H	212	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

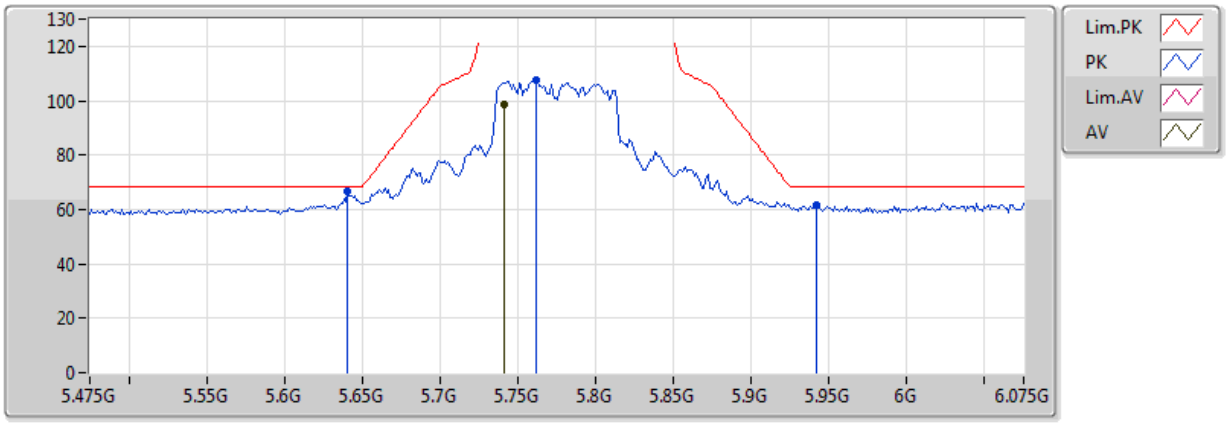


Eut : Z axis

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	98.91	Inf	-Inf	8.27	3	V	313	2.13	-
PK	5.649G	67.33	68.20	-0.87	8.09	3	V	313	2.13	-
PK	5.763G	109.02	Inf	-Inf	8.30	3	V	313	2.13	-
PK	5.925G	61.84	68.20	-6.36	8.60	3	V	313	2.13	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

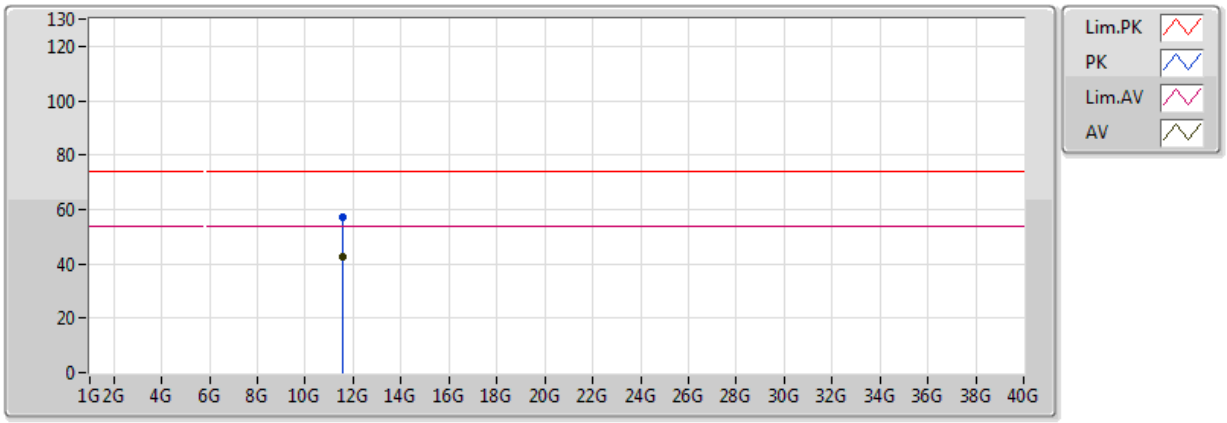


Eut : Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7414G	98.68	Inf	-Inf	8.26	3	H	37	3.28	-
PK	5.6406G	66.51	68.20	-1.69	8.07	3	H	37	3.28	-
PK	5.7618G	107.84	Inf	-Inf	8.30	3	H	37	3.28	-
PK	5.9418G	61.46	68.20	-6.74	8.63	3	H	37	3.28	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

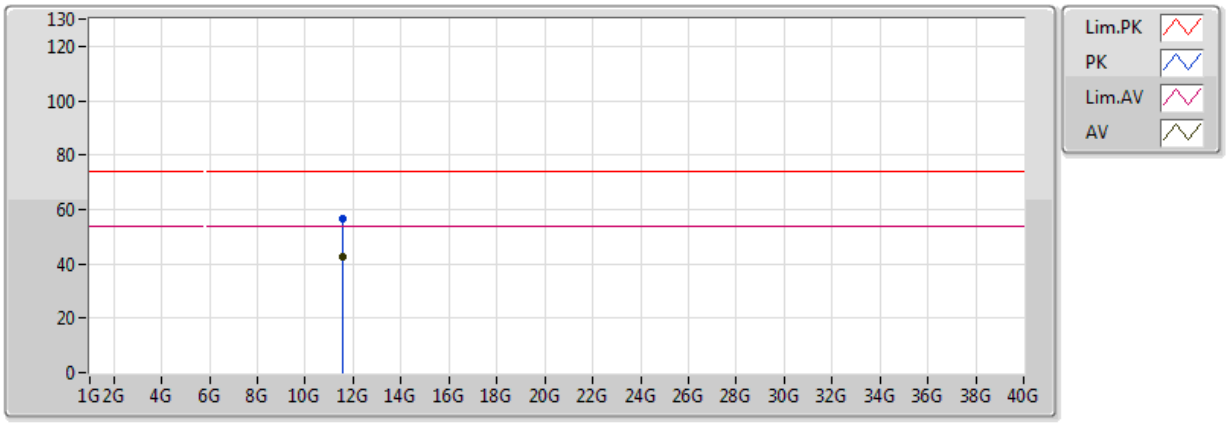


Eut : Z axis

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	42.59	54.00	-11.41	17.63	3	V	0	1.50	-
PK	11.55G	57.02	74.00	-16.98	17.63	3	V	0	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX



Eut : Z axis

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	42.54	54.00	-11.46	17.63	3	H	360	1.50	-
PK	11.55G	56.68	74.00	-17.32	17.63	3	H	360	1.50	-

Summary

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	5.2G	5.200028G	5.408	20	1	2 min

Result

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5200MHz_-10°C	Pass	5.2G	5.200024G	4.687	20	1	0 min
5200MHz_-10°C	Pass	5.2G	5.200028G	5.408	20	1	2 min
5200MHz_-10°C	Pass	5.2G	5.200017G	3.245	20	1	5 min
5200MHz_-10°C	Pass	5.2G	5.200022G	4.326	20	1	10 min
5200MHz_0°C	Pass	5.2G	5.200011G	2.163	20	1	0 min
5200MHz_0°C	Pass	5.2G	5.200015G	2.884	20	1	2 min
5200MHz_0°C	Pass	5.2G	5.200015G	2.884	20	1	5 min
5200MHz_0°C	Pass	5.2G	5.200009G	1.803	20	1	10 min
5200MHz_10°C	Pass	5.2G	5.199993G	1.442	20	1	0 min
5200MHz_10°C	Pass	5.2G	5.199991G	1.803	20	1	2 min
5200MHz_10°C	Pass	5.2G	5.199991G	1.803	20	1	5 min
5200MHz_10°C	Pass	5.2G	5.199991G	1.803	20	1	10 min
5200MHz_20°C	Pass	5.2G	5.200009G	1.803	20	1	0 min
5200MHz_20°C	Pass	5.2G	5.2G	0	20	1	2 min
5200MHz_20°C	Pass	5.2G	5.199996G	0.721	20	1	5 min
5200MHz_20°C	Pass	5.2G	5.200009G	1.803	20	1	10 min
5200MHz_30°C	Pass	5.2G	5.199978G	4.326	20	1	0 min
5200MHz_30°C	Pass	5.2G	5.199983G	3.245	20	1	2 min
5200MHz_30°C	Pass	5.2G	5.199989G	2.163	20	1	5 min
5200MHz_30°C	Pass	5.2G	5.199983G	3.245	20	1	10 min
5200MHz_40°C	Pass	5.2G	5.199979G	3.966	20	1	0 min
5200MHz_40°C	Pass	5.2G	5.199983G	3.245	20	1	2 min
5200MHz_40°C	Pass	5.2G	5.199974G	5.047	20	1	5 min
5200MHz_40°C	Pass	5.2G	5.199987G	2.524	20	1	10 min
5200MHz_50°C	Pass	5.2G	5.199991G	1.803	20	1	0 min
5200MHz_50°C	Pass	5.2G	5.199993G	1.442	20	1	2 min
5200MHz_50°C	Pass	5.2G	5.199989G	2.163	20	1	5 min
5200MHz_50°C	Pass	5.2G	5.199983G	3.245	20	1	10 min
5200MHz_138V	Pass	5.2G	5.199985G	2.884	20	1	0 min
5200MHz_138V	Pass	5.2G	5.2G	0	20	1	2 min
5200MHz_138V	Pass	5.2G	5.199989G	2.163	20	1	5 min
5200MHz_138V	Pass	5.2G	5.199979G	3.966	20	1	10 min
5200MHz_120V	Pass	5.2G	5.199991G	1.803	20	1	0 min
5200MHz_120V	Pass	5.2G	5.199993G	1.442	20	1	2 min
5200MHz_120V	Pass	5.2G	5.2G	0	20	1	5 min
5200MHz_120V	Pass	5.2G	5.199998G	0.361	20	1	10 min
5200MHz_102V	Pass	5.2G	5.200013G	2.524	20	1	0 min
5200MHz_102V	Pass	5.2G	5.200013G	2.524	20	1	2 min
5200MHz_102V	Pass	5.2G	5.2G	0	20	1	5 min
5200MHz_102V	Pass	5.2G	5.200021G	3.966	20	1	10 min

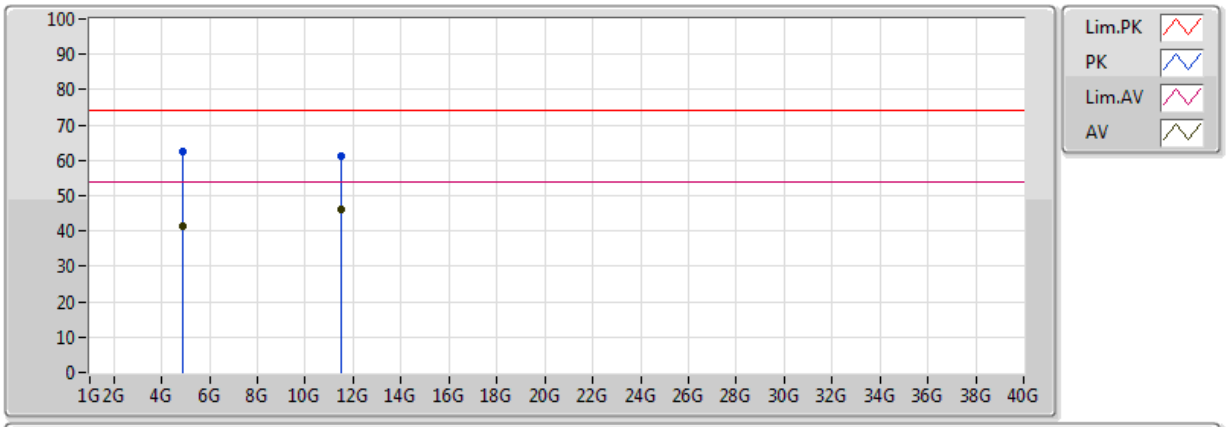
Summary

Mode	Result	Type	Freq (Hz)	Level	Limit	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	11.49G	45.95	54.00	-8.05	17.68	3	Vertical	197	1.50	-

Result

Mode	Result	Type	Freq (Hz)	Level	Limit	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.874G	42.90	54.00	-11.10	6.53	3	Horizontal	61	2.24	-
Mode 1	Pass	AV	11.49G	42.55	54.00	-11.45	17.68	3	Horizontal	179	1.35	-
Mode 1	Pass	PK	4.874G	63.51	74.00	-10.49	6.53	3	Horizontal	61	2.24	-
Mode 1	Pass	PK	11.49G	58.47	74.00	-15.53	17.68	3	Horizontal	179	1.35	-
Mode 1	Pass	AV	4.874G	41.59	54.00	-12.41	6.53	3	Vertical	107	1.00	-
Mode 1	Pass	AV	11.49G	45.95	54.00	-8.05	17.68	3	Vertical	197	1.50	-
Mode 1	Pass	PK	4.874G	62.31	74.00	-11.69	6.53	3	Vertical	107	1.00	-
Mode 1	Pass	PK	11.49G	61.02	74.00	-12.98	17.68	3	Vertical	197	1.50	-

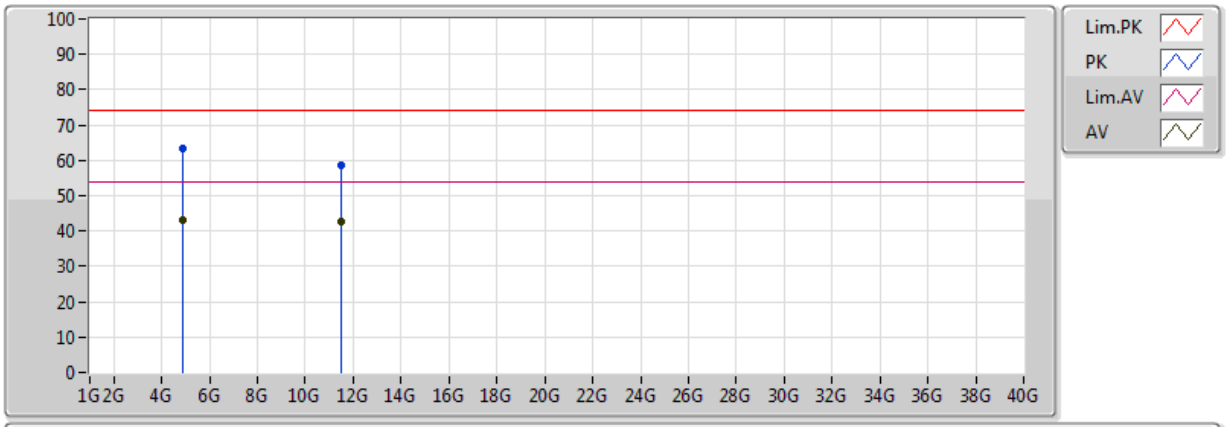
Radiated-above 1GHz_Mode 1



EUT=Z

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
AV	4.874G	41.59	54.00	-12.41	6.53	3	Vertical	107	1.00	-
AV	11.49G	45.95	54.00	-8.05	17.68	3	Vertical	197	1.50	-
PK	4.874G	62.31	74.00	-11.69	6.53	3	Vertical	107	1.00	-
PK	11.49G	61.02	74.00	-12.98	17.68	3	Vertical	197	1.50	-

Radiated-above 1GHz_Mode 1



EUT=Z

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
AV	4.874G	42.90	54.00	-11.10	6.53	3	Horizonta	61	2.24	-
AV	11.49G	42.55	54.00	-11.45	17.68	3	Horizonta	179	1.35	-
PK	4.874G	63.51	74.00	-10.49	6.53	3	Horizonta	61	2.24	-
PK	11.49G	58.47	74.00	-15.53	17.68	3	Horizonta	179	1.35	-