

FCC Test Report

Equipment : AC750 Wi-Fi Range Extender, AV1000 Powerline Edition
Brand Name : TP-Link
Model No. : TL-WPA7510
FCC ID : TE7WPA7510
Standard : 47 CFR FCC Part 15.407
Operating Band : 5150 MHz – 5250 MHz
5725 MHz – 5850 MHz
Applicant / Manufacturer : TP-Link Technologies Co., Ltd.
Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central
Science and Technology Park,Shennan Rd, Nanshan,
Shenzhen,China
Function : ☐ Outdoor; ☒ Indoor; ☐ Fixed P2P
☐ Client

The product sample received on Mar. 15, 2017 and completely tested on Jun. 06, 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.

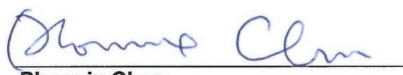

Phoenix Chen
SPORTON INTERNATIONAL INC.





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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



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FCC ID: TE7WPA7510

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX
5.15-5.25GHz	802.11ac VHT20	20	1TX
5.15-5.25GHz	802.11ac VHT40	40	1TX
5.15-5.25GHz	802.11ac VHT80	80	1TX
5.725-5.85GHz	802.11a	20	1TX
5.725-5.85GHz	802.11ac VHT20	20	1TX
5.725-5.85GHz	802.11ac VHT40	40	1TX
5.725-5.85GHz	802.11ac VHT80	80	1TX

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	-	-	Omni-Directional	fixed on board	3.19

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) $\geq 1/T$
802.11a	0.997	0.013	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT20	0.993	0.031	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT40	0.999	0.004	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT80	0.995	0.022	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

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

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	TH06-HY	Ryan	24.5°C / 62%	31/May/2017
Radiated	03CH02-HY	Lynus	23.5°C / 65%	29/May/2017
AC Conduction	CO04-HY	Bear	22°C / 61%	06/Jun/2017

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software	MT7620(2.4G): 1.0.6.0
---------------	-----------------------

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	25
5200MHz	24
5240MHz	25
5745MHz	2A
5785MHz	2A
5825MHz	2A
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	22
5200MHz	25
5240MHz	25
5745MHz	2A
5785MHz	2A
5825MHz	2A
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	1A
5230MHz	25
5755MHz	27
5795MHz	2A
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	23
5775MHz	1F

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	Adapter mode

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		
Operating Mode > 1GHz	CTX		
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
Operating Mode	CTX
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA731330 for Co-location RF Exposure Evaluation.	

2.4 Accessories

Accessories				
-	-	-	-	-

2.5 Support Equipment

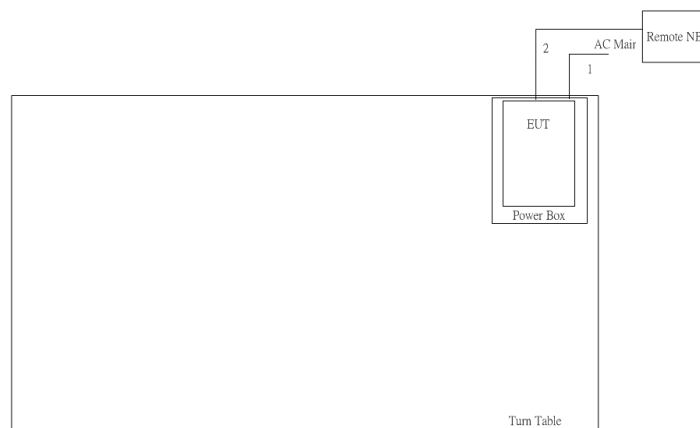
Support Equipment - RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC

Support Equipment - Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook(Remote)	DELL	E5410	DoC

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook(Remote)	DELL	E5410	DoC

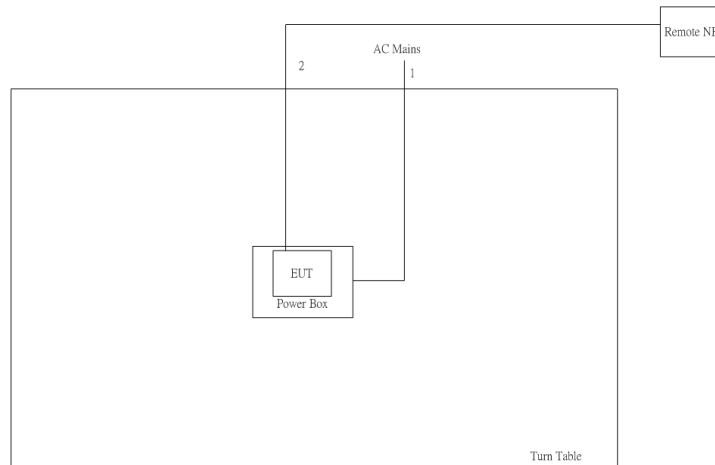
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.5m	-
2	RJ-45 cable	No	10.0m	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.5m	-
2	RJ-45 cable	No	10.0m	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

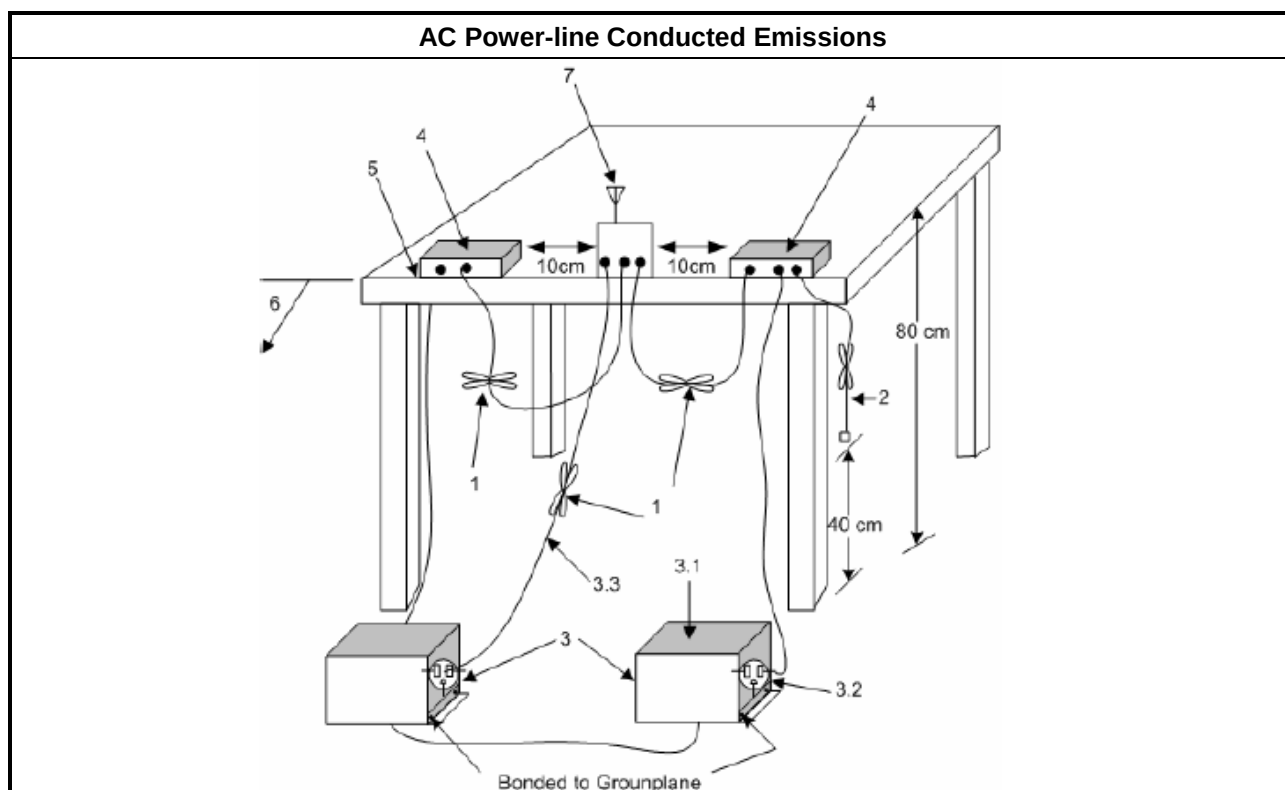
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

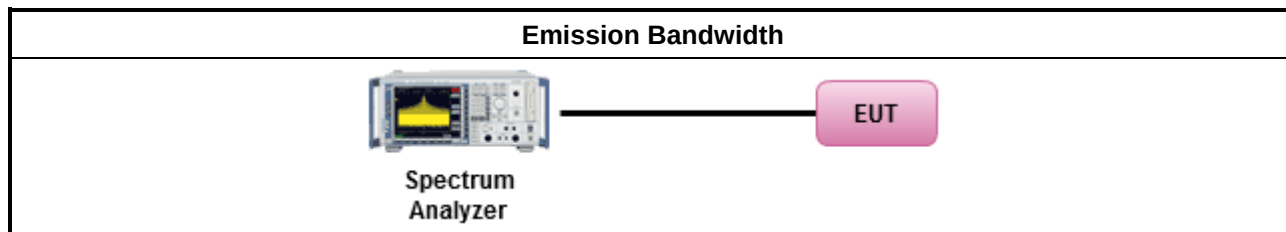
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

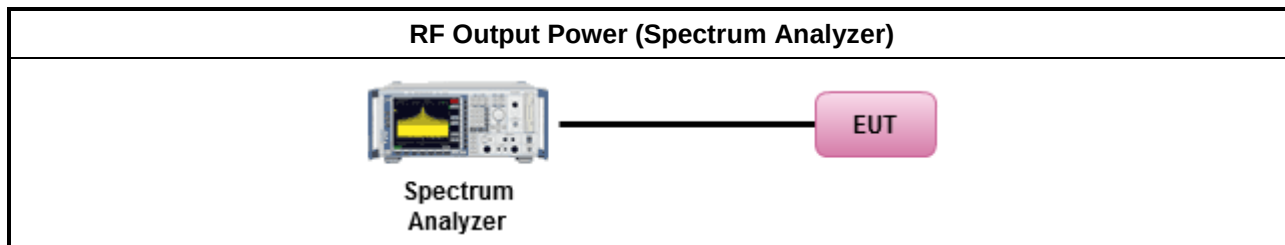
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☒	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☐	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

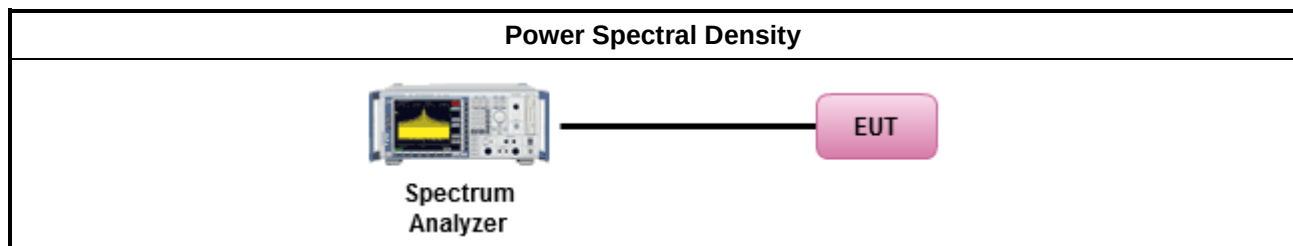
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
Duty cycle ≥ 98%	
☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
Duty cycle < 98%	
☐ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☐ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	Follow 15.407(b)(4)(ii), the emission limits in § 15.247(d), 30dBc in any 100 kHz bandwidth outside the operating frequency band.

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

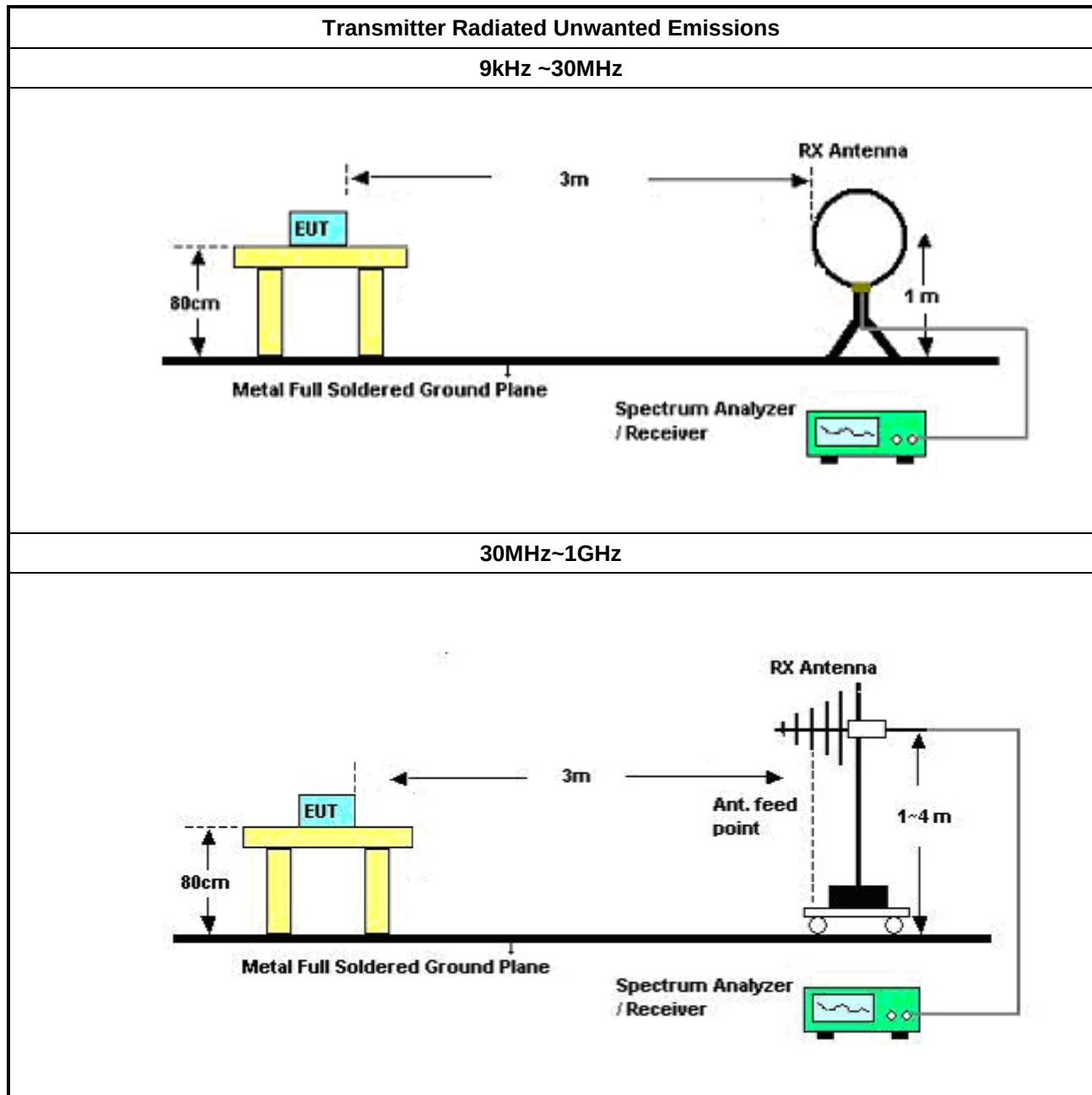
3.5.2 Measuring Instruments

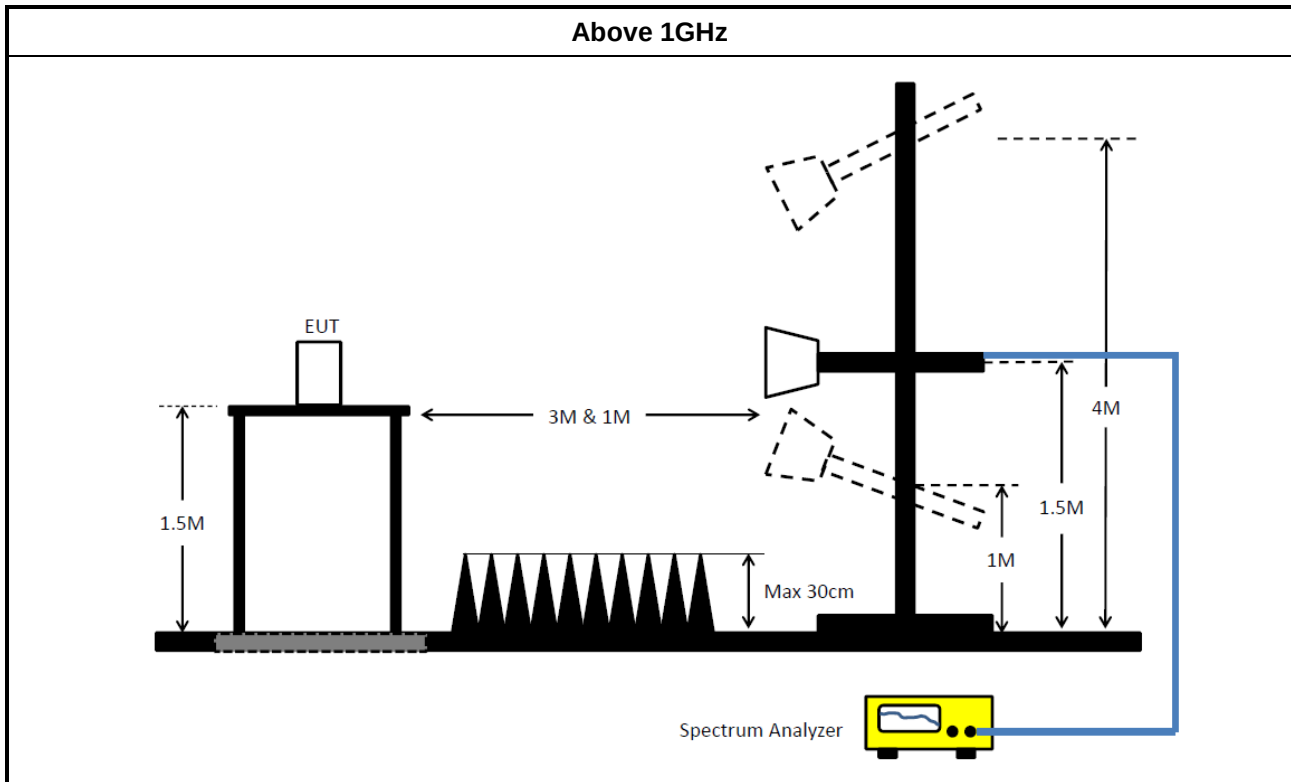
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

Frequency Stability Limit	
UNII Devices	
In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.	

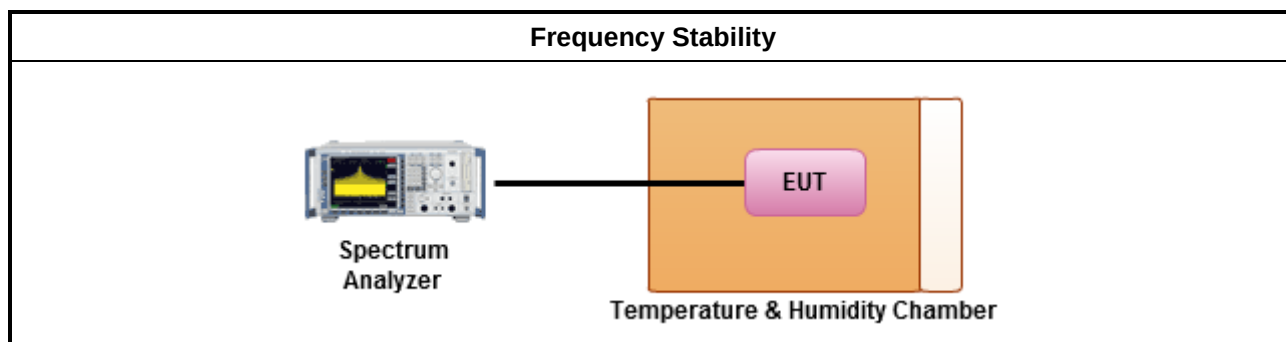
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	14/Nov/2017
RF Cable-CON	HUBER+SUHNER	RG213/U	0761183202000 1	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Puls e Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	21/Oct/2015	20/Oct/2016

NCR : Non-Calibration Require

Instrument for Radiated Test

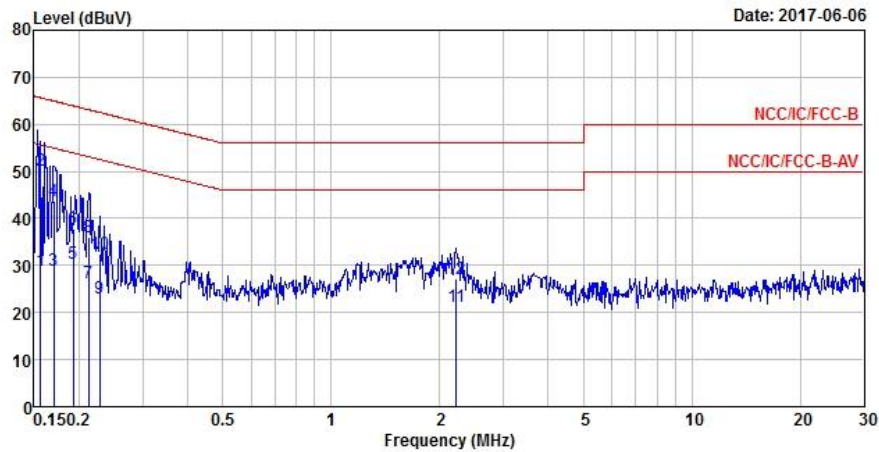
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9kHz - 40GHz	26/Oct/2016	25/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	03/Jun/2016	02/Jun/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz	12/Dec/2016	11/Dec/2017
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	01/Jul/2016	30/Jun/2017
Amplifier	Agilent	8449B	3008A02373	1GHz-26.5GHz	02/Sep/2016	01/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	25/Apr/2017	24/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	01/Oct/2016	30/Sep/2017
Amplifier	MITEQ	JS44-18004000 -33-8P	1840917	18GHz-40GHz	01/Jun/2015	31/May/2017
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018

**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℃	10/May/2017	09/May/2018
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		

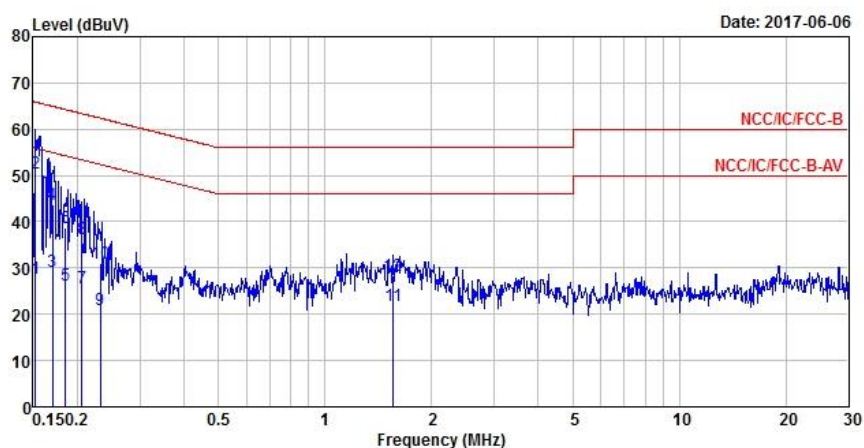


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	28.99	-26.66	55.65	19.15	9.61	0.23	Average
2 MAX	0.16	50.17	-15.48	65.65	40.33	9.61	0.23	QP
3	0.17	28.91	-26.03	54.94	19.02	9.63	0.26	Average
4	0.17	43.55	-21.39	64.94	33.66	9.63	0.26	QP
5	0.19	30.41	-23.52	53.93	20.46	9.66	0.29	Average
6	0.19	37.87	-26.06	63.93	27.92	9.66	0.29	QP
7	0.21	26.24	-26.86	53.10	16.29	9.67	0.28	Average
8	0.21	35.94	-27.16	63.10	25.99	9.67	0.28	QP
9	0.23	23.01	-29.51	52.52	13.09	9.66	0.26	Average
10	0.23	32.33	-30.19	62.52	22.41	9.66	0.26	QP
11	2.22	21.38	-24.62	46.00	11.45	9.66	0.27	Average
12	2.22	27.20	-28.80	56.00	17.27	9.66	0.27	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	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.15	27.61	-28.26	55.87	17.73	9.66	0.22	Average
2 MAX	0.15	50.56	-15.31	65.87	40.68	9.66	0.22	QP
3	0.17	29.32	-25.62	54.94	19.40	9.66	0.26	Average
4	0.17	43.79	-21.15	64.94	33.87	9.66	0.26	QP
5	0.19	26.14	-28.10	54.24	16.21	9.65	0.28	Average
6	0.19	38.79	-25.45	64.24	28.86	9.65	0.28	QP
7	0.21	25.57	-27.79	53.36	15.63	9.65	0.29	Average
8	0.21	36.30	-27.06	63.36	26.36	9.65	0.29	QP
9	0.23	20.85	-31.54	52.39	10.93	9.66	0.26	Average
10	0.23	31.11	-31.28	62.39	21.19	9.66	0.26	QP
11	1.56	21.79	-24.21	46.00	11.83	9.73	0.23	Average
12	1.56	28.31	-27.69	56.00	18.35	9.73	0.23	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)_1TX	-	-	-	-	-
5.15-5.25GHz	40.225M	19.565M	19M6D1D	38.075M	18.391M
5.725-5.85GHz	16.425M	32.284M	32M3D1D	16.375M	31.734M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	47.85M	26.612M	26M6D1D	43.275M	19.215M
5.725-5.85GHz	17.65M	32.684M	32M7D1D	17.625M	32.359M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	90.95M	38.981M	39M0D1D	43.35M	36.132M
5.725-5.85GHz	36.4M	66.017M	66M0D1D	36.35M	59.92M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	191.2M	78.061M	78M1D1D	191.2M	78.061M
5.725-5.85GHz	76.3M	100.15M	100MD1D	76.3M	100.15M

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;

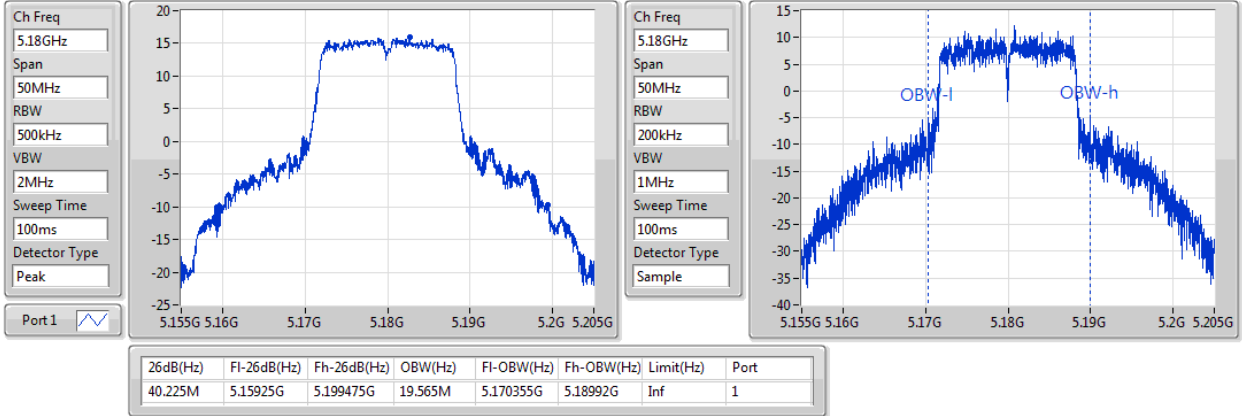
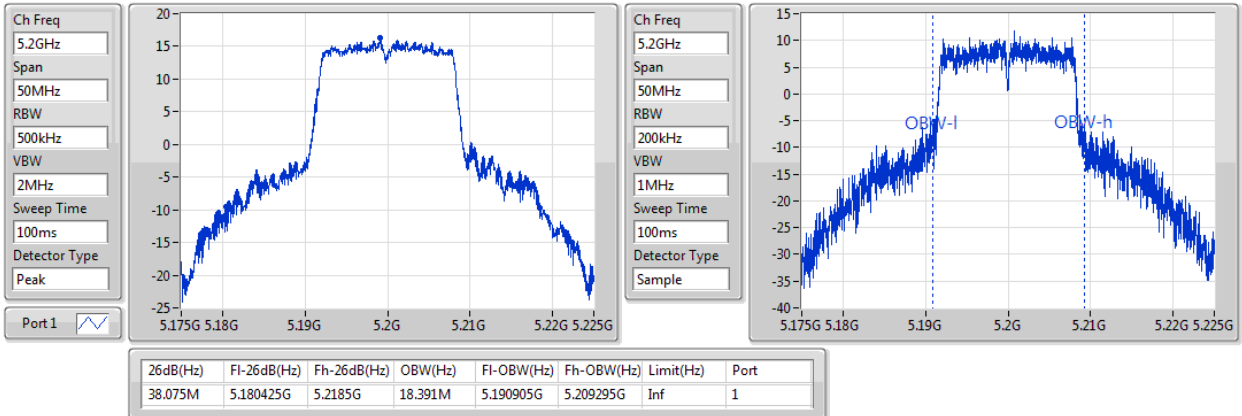
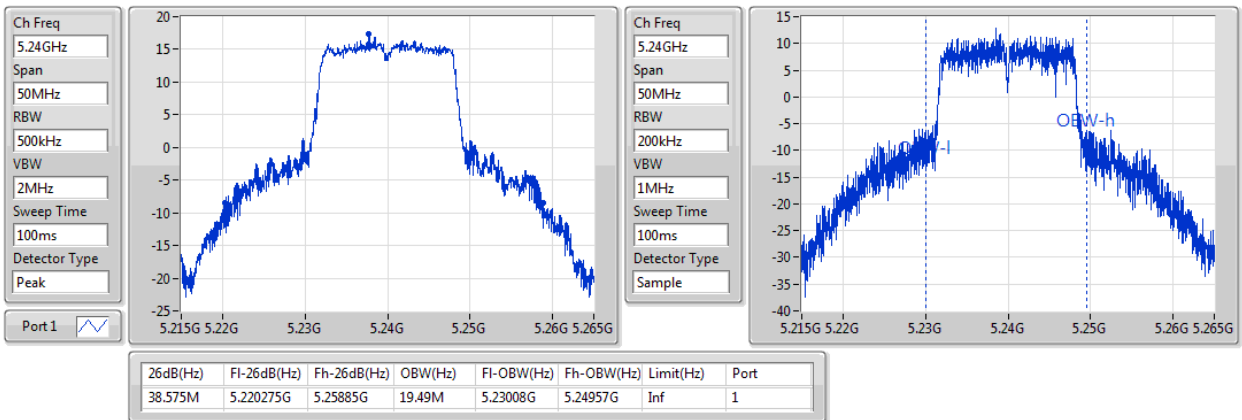
Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	40.225M	19.565M
5200MHz	Pass	Inf	38.075M	18.391M
5240MHz	Pass	Inf	38.575M	19.49M
5745MHz	Pass	500k	16.375M	31.934M
5785MHz	Pass	500k	16.375M	32.284M
5825MHz	Pass	500k	16.425M	31.734M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	47.85M	26.612M
5200MHz	Pass	Inf	43.775M	19.215M
5240MHz	Pass	Inf	43.275M	20.265M
5745MHz	Pass	500k	17.625M	32.609M
5785MHz	Pass	500k	17.65M	32.359M
5825MHz	Pass	500k	17.65M	32.684M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	43.35M	36.132M
5230MHz	Pass	Inf	90.95M	38.981M
5755MHz	Pass	500k	36.4M	59.92M
5795MHz	Pass	500k	36.35M	66.017M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	191.2M	78.061M
5775MHz	Pass	500k	76.3M	100.15M

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

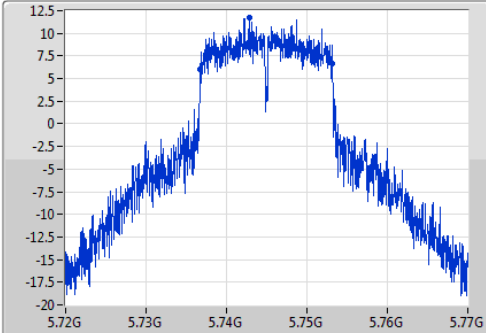
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_(6Mbps)_1TX
EBW
5180MHz

802.11a_(6Mbps)_1TX
EBW
5200MHz

802.11a_(6Mbps)_1TX
EBW
5240MHz


802.11a_(6Mbps)_1TX
EBW
5745MHz

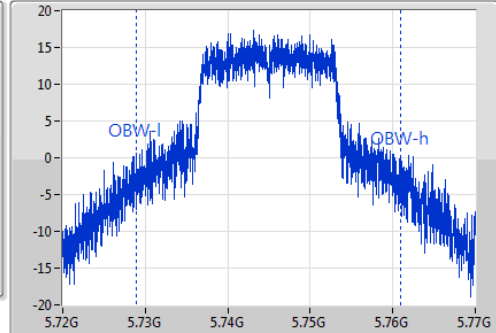
Ch Freq
5.745GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak

Port1



Ch Freq
5.745GHz
Span
50MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample

Port1

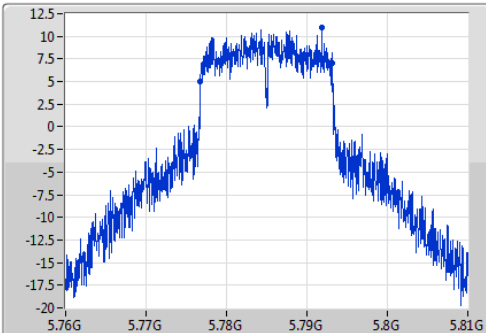


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	5.736775G	5.75315G	31.934M	5.728958G	5.760892G	500k	1

802.11a_(6Mbps)_1TX
EBW
5785MHz

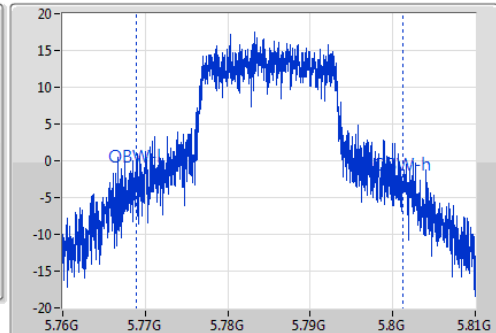
Ch Freq
5.785GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak

Port1



Ch Freq
5.785GHz
Span
50MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample

Port1

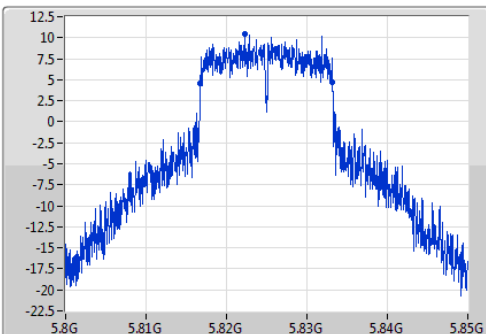


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	5.776775G	5.79315G	32.284M	5.768883G	5.801167G	500k	1

802.11a_(6Mbps)_1TX
EBW
5825MHz

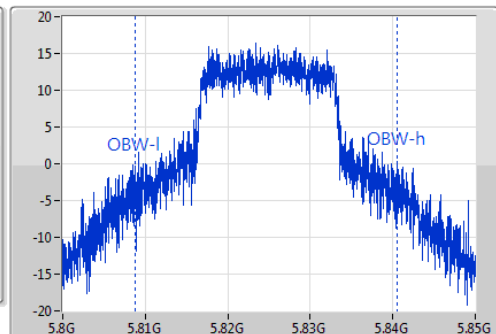
Ch Freq
5.825GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak

Port1

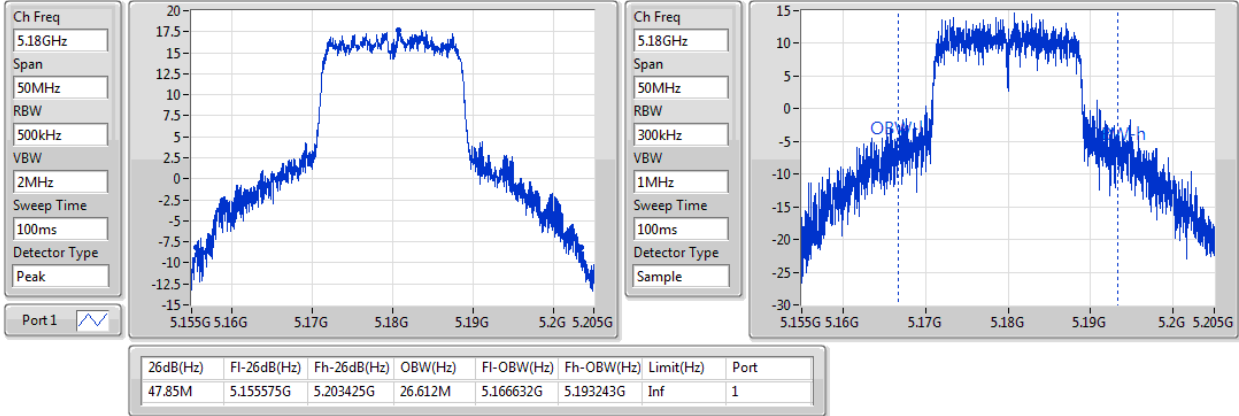
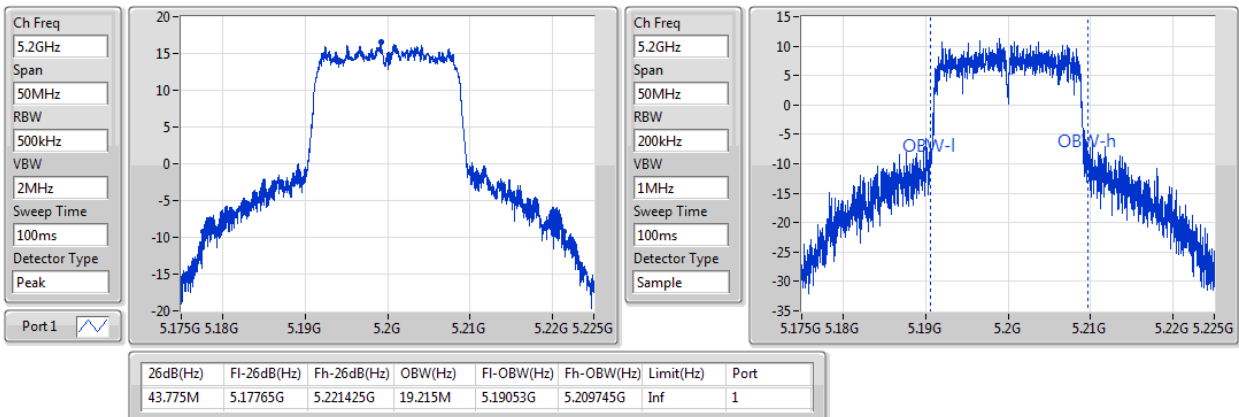
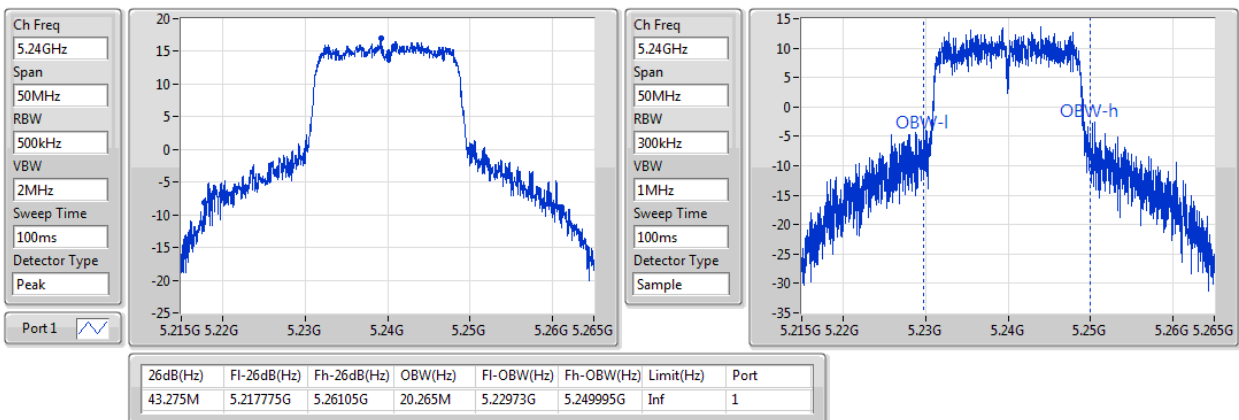


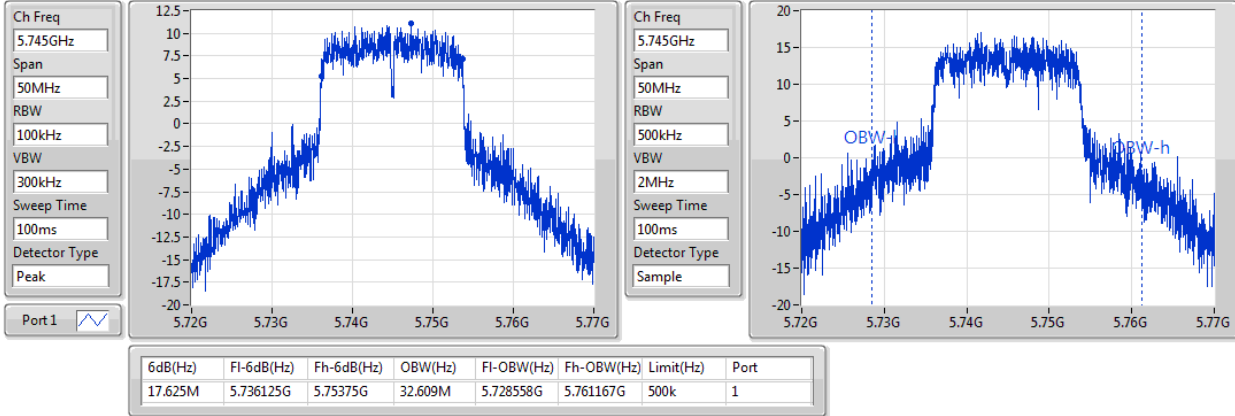
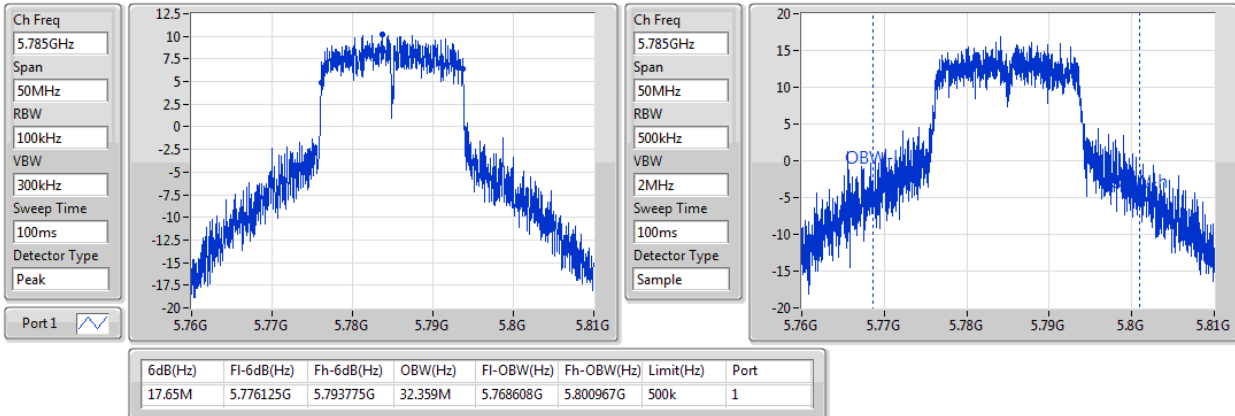
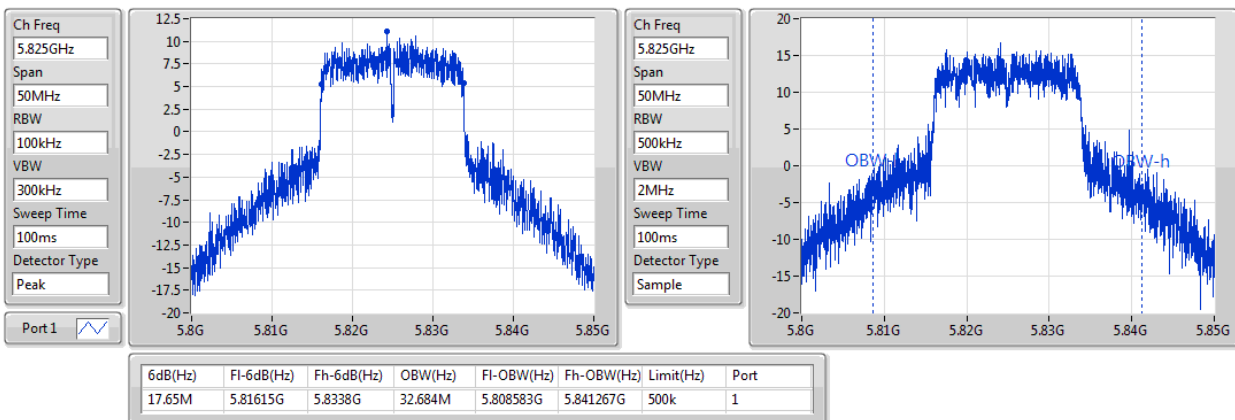
Ch Freq
5.825GHz
Span
50MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample

Port1



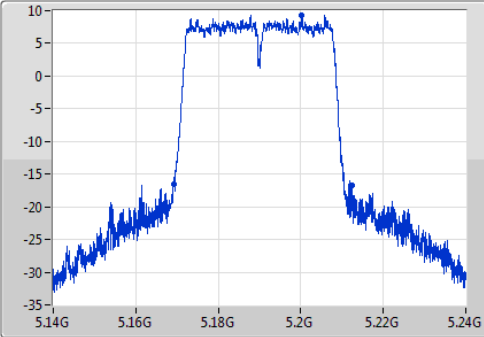
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.425M	5.81675G	5.833175G	31.734M	5.808833G	5.840567G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5180MHz

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5200MHz

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5240MHz


802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5745MHz

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5785MHz

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5825MHz


802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5190MHz

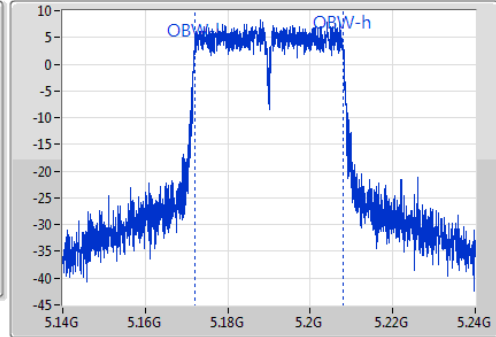
Ch Freq
5.19GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



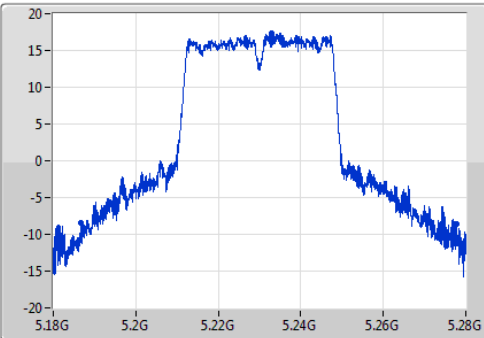
Port1

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.35M	5.16915G	5.2125G	36.132M	5.171909G	5.208041G	Inf	1

Ch Freq
5.19GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample


802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5230MHz

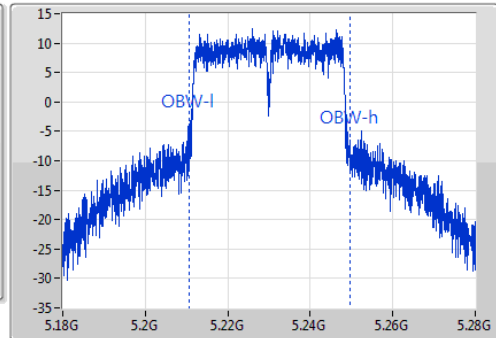
Ch Freq
5.23GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



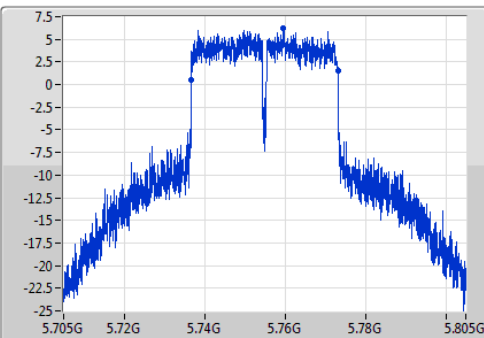
Port1

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
90.95M	5.1867G	5.27765G	38.981M	5.21056G	5.24954G	Inf	1

Ch Freq
5.23GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample


802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5755MHz

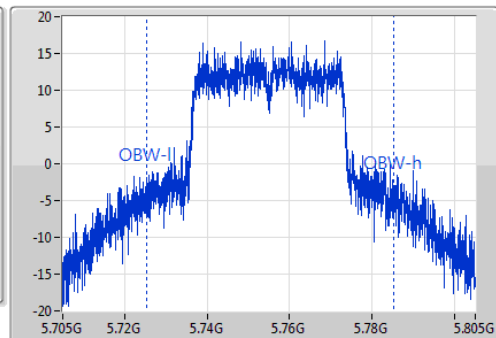
Ch Freq
5.755GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak

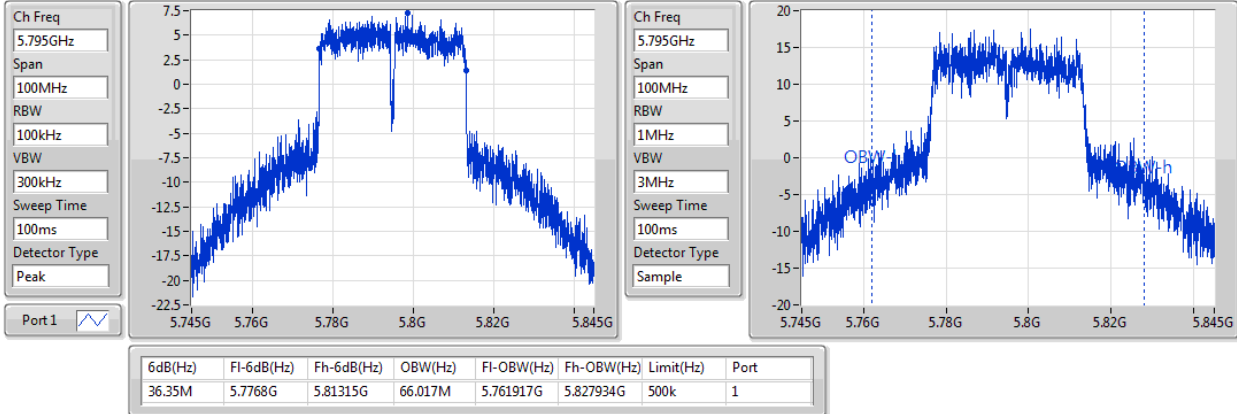
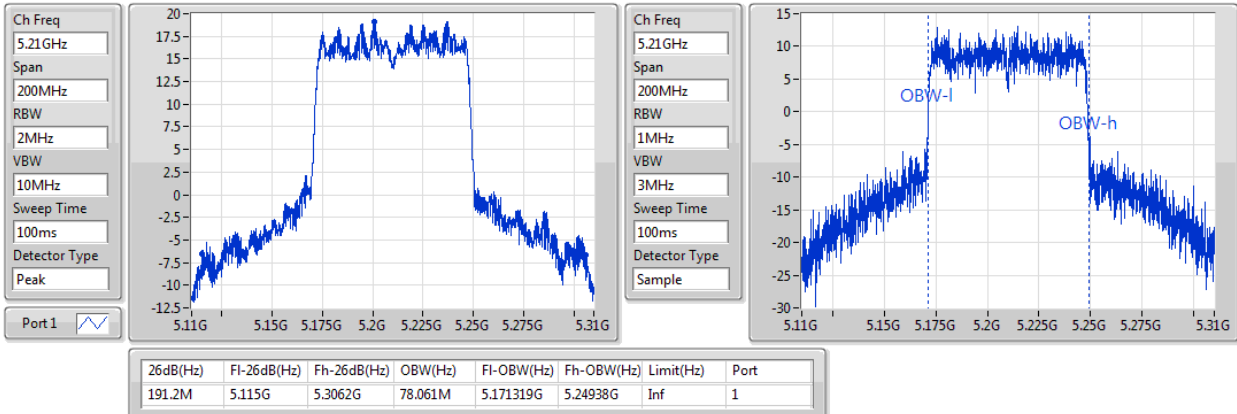
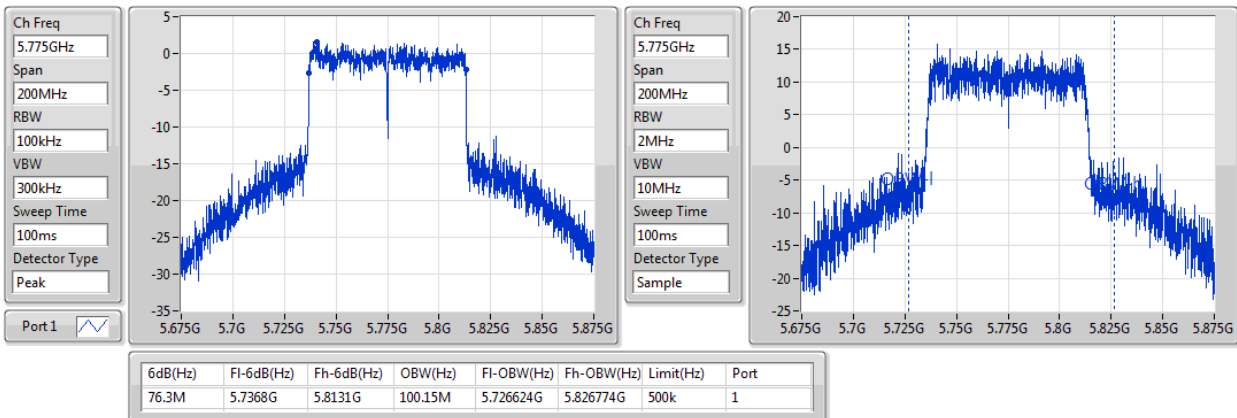


Port1

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.4M	5.73675G	5.77315G	59.92M	5.725215G	5.785135G	500k	1

Ch Freq
5.755GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5795MHz

802.11ac VHT80_Nss1,(MCS0)_1TX
EBW
5210MHz

802.11ac VHT80_Nss1,(MCS0)_1TX
EBW
5775MHz


Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_1TX	-	-	-	-
5.15-5.25GHz	23.42	0.21979	26.61	0.45814
5.725-5.85GHz	24.43	0.27733	27.62	0.57810
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	24.23	0.26485	27.42	0.55208
5.725-5.85GHz	24.32	0.27040	27.51	0.56364
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	23.20	0.20893	26.39	0.43551
5.725-5.85GHz	23.98	0.25003	27.17	0.52119
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	22.82	0.19143	26.01	0.39902
5.725-5.85GHz	21.84	0.15276	25.03	0.31842

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.19	23.06	23.06	30.00	26.25	36.00
5200MHz	Pass	3.19	22.87	22.87	30.00	26.06	36.00
5240MHz	Pass	3.19	23.42	23.42	30.00	26.61	36.00
5745MHz	Pass	3.19	24.43	24.43	30.00	27.62	36.00
5785MHz	Pass	3.19	24.06	24.06	30.00	27.25	36.00
5825MHz	Pass	3.19	23.76	23.76	30.00	26.95	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.19	24.23	24.23	30.00	27.42	36.00
5200MHz	Pass	3.19	22.92	22.92	30.00	26.11	36.00
5240MHz	Pass	3.19	23.44	23.44	30.00	26.63	36.00
5745MHz	Pass	3.19	24.32	24.32	30.00	27.51	36.00
5785MHz	Pass	3.19	23.82	23.82	30.00	27.01	36.00
5825MHz	Pass	3.19	23.82	23.82	30.00	27.01	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	3.19	19.04	19.04	30.00	22.23	36.00
5230MHz	Pass	3.19	23.20	23.20	30.00	26.39	36.00
5755MHz	Pass	3.19	23.30	23.30	30.00	26.49	36.00
5795MHz	Pass	3.19	23.98	23.98	30.00	27.17	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	3.19	22.82	22.82	30.00	26.01	36.00
5775MHz	Pass	3.19	21.84	21.84	30.00	25.03	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_1TX	-	-
5.15-5.25GHz	11.10	14.29
5.725-5.85GHz	10.82	14.01
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	11.77	14.96
5.725-5.85GHz	10.48	13.67
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	7.61	10.80
5.725-5.85GHz	6.99	10.18
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	4.14	7.33
5.725-5.85GHz	2.22	5.41

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.19	10.96	10.96	17.00	14.15	Inf
5200MHz	Pass	3.19	10.61	10.61	17.00	13.80	Inf
5240MHz	Pass	3.19	11.10	11.10	17.00	14.29	Inf
5745MHz	Pass	3.19	10.82	10.82	30.00	14.01	Inf
5785MHz	Pass	3.19	10.40	10.40	30.00	13.59	Inf
5825MHz	Pass	3.19	9.98	9.98	30.00	13.17	Inf
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.19	11.77	11.77	17.00	14.96	Inf
5200MHz	Pass	3.19	10.48	10.48	17.00	13.67	Inf
5240MHz	Pass	3.19	10.97	10.97	17.00	14.16	Inf
5745MHz	Pass	3.19	10.48	10.48	30.00	13.67	Inf
5785MHz	Pass	3.19	9.94	9.94	30.00	13.13	Inf
5825MHz	Pass	3.19	9.47	9.47	30.00	12.66	Inf
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	3.19	3.50	3.50	17.00	6.69	Inf
5230MHz	Pass	3.19	7.61	7.61	17.00	10.80	Inf
5755MHz	Pass	3.19	6.05	6.05	30.00	9.24	Inf
5795MHz	Pass	3.19	6.99	6.99	30.00	10.18	Inf
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	3.19	4.14	4.14	17.00	7.33	Inf
5775MHz	Pass	3.19	2.22	2.22	30.00	5.41	Inf

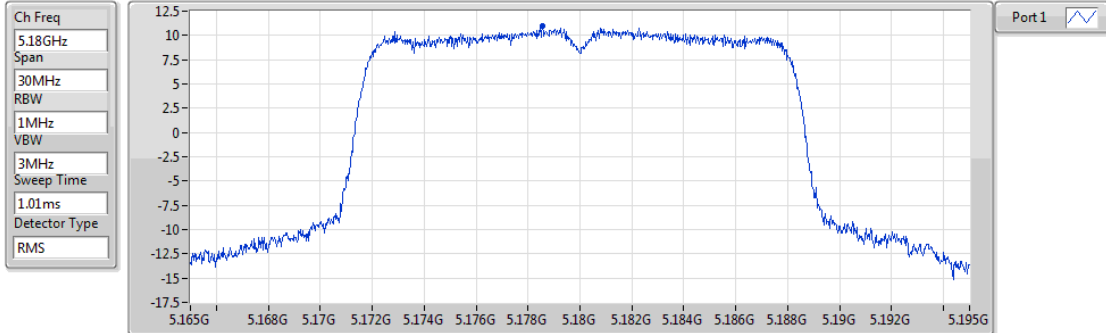
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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)_1TX

PSD

5180MHz

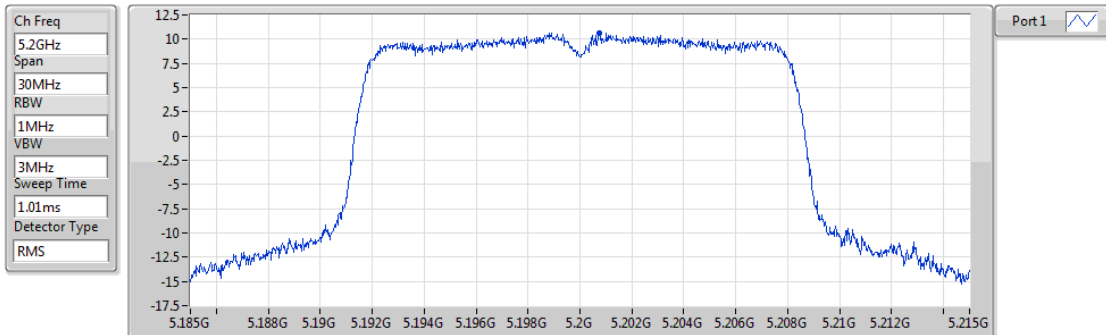


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.96	10.96	10.96

802.11a_(6Mbps)_1TX

PSD

5200MHz

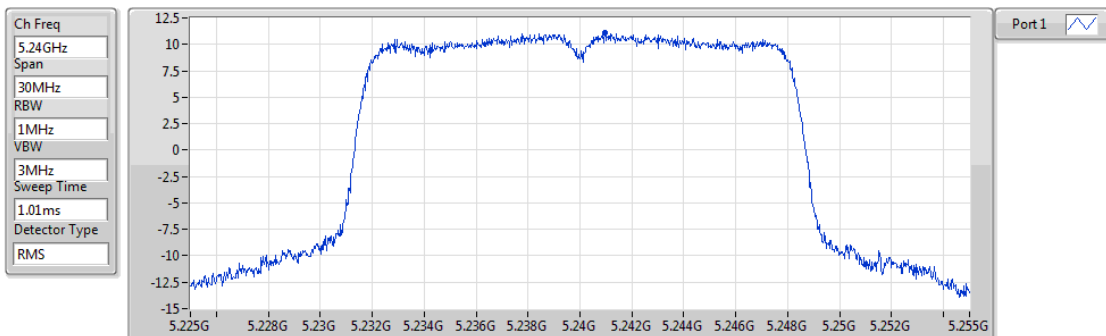


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.61	10.61	10.61

802.11a_(6Mbps)_1TX

PSD

5240MHz

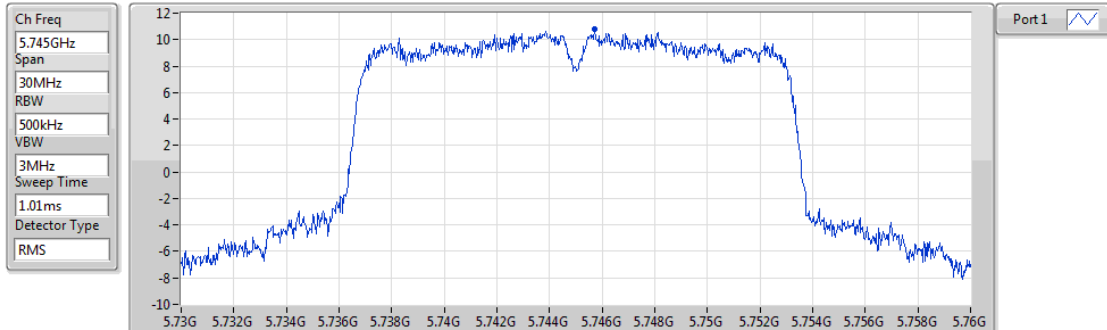


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.10	11.10	11.10

802.11a_(6Mbps)_1TX

PSD

5745MHz

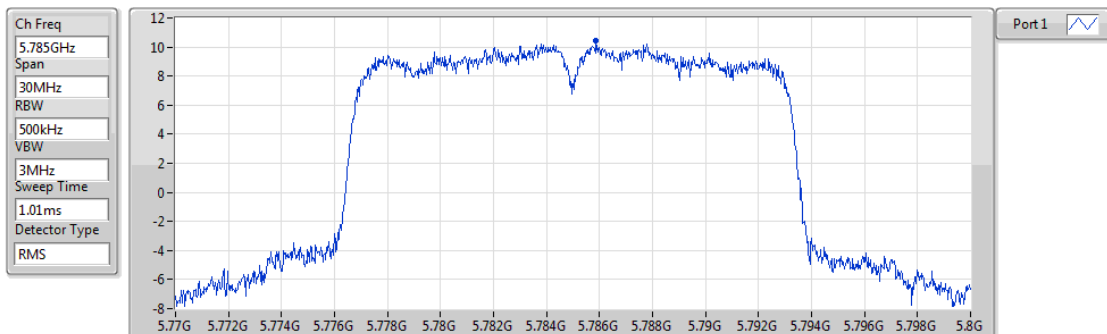


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.82	10.82	10.82

802.11a_(6Mbps)_1TX

PSD

5785MHz

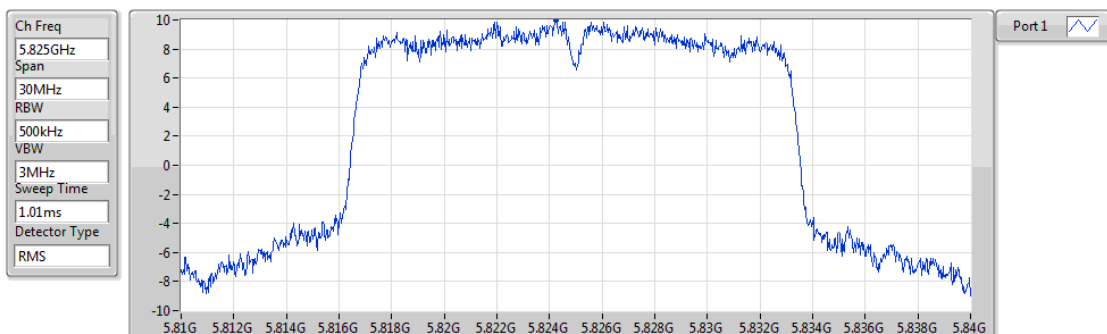


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.40	10.40	10.40

802.11a_(6Mbps)_1TX

PSD

5825MHz

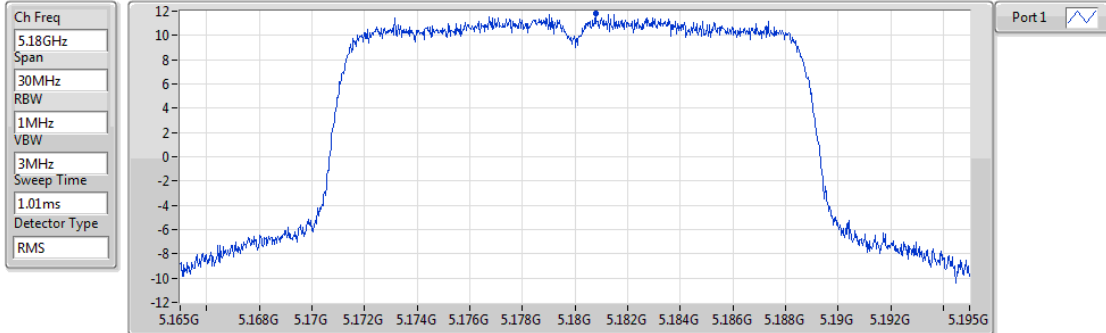


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.98	9.98	9.98

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5180MHz

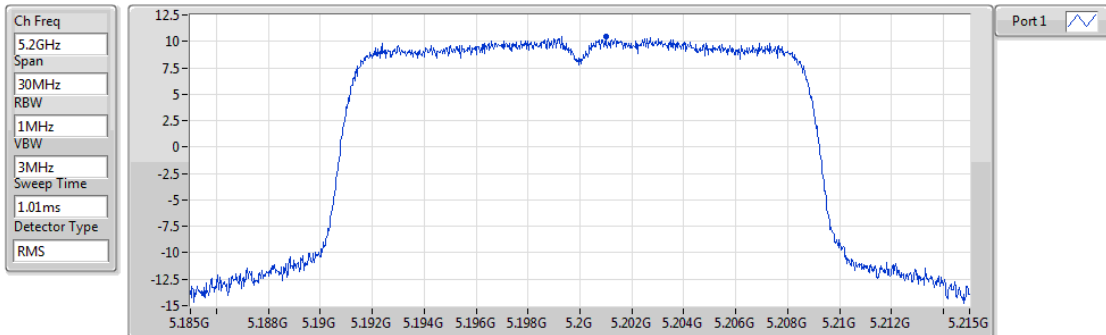


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.77	11.77	11.77

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5200MHz

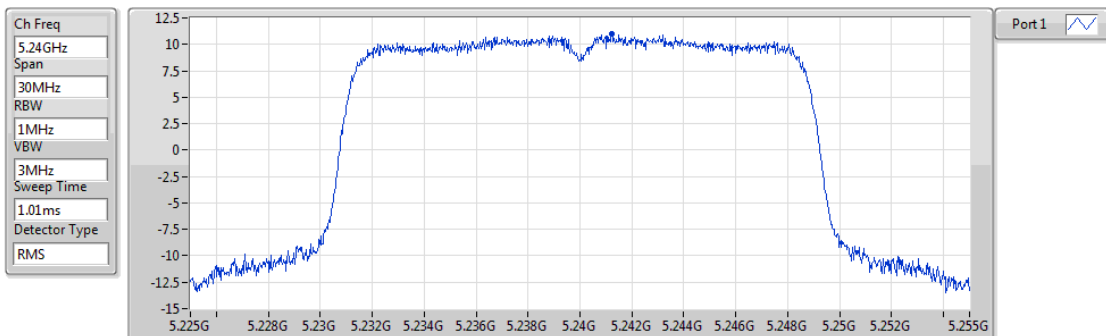


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.48	10.48	10.48

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

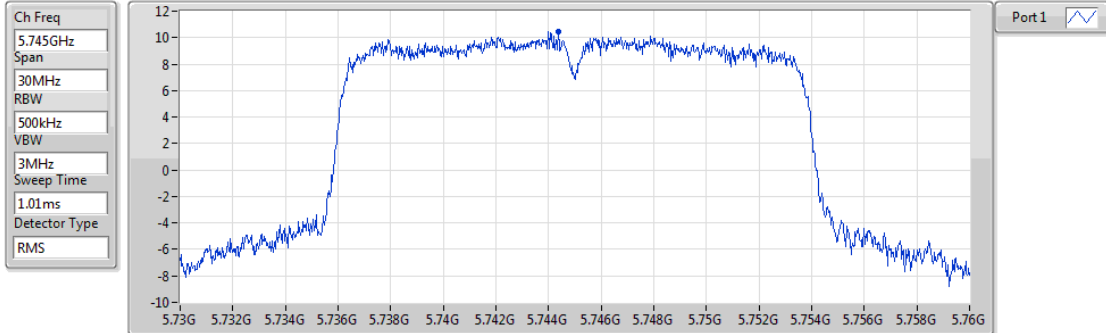


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.97	10.97	10.97

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5745MHz

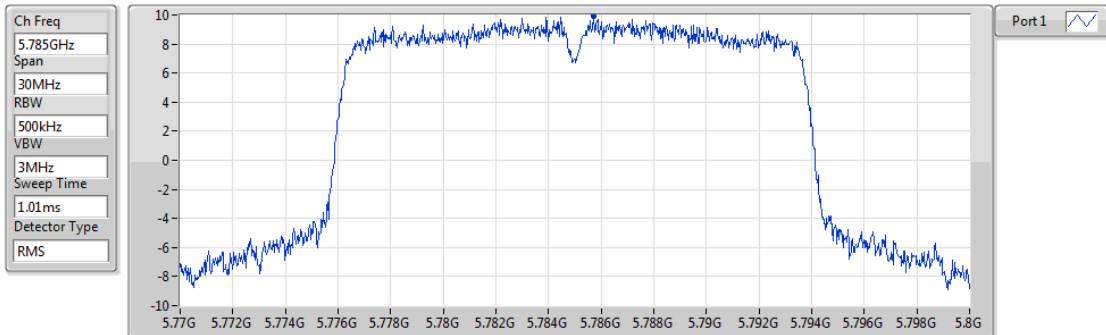


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.48	10.48	10.48

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5785MHz

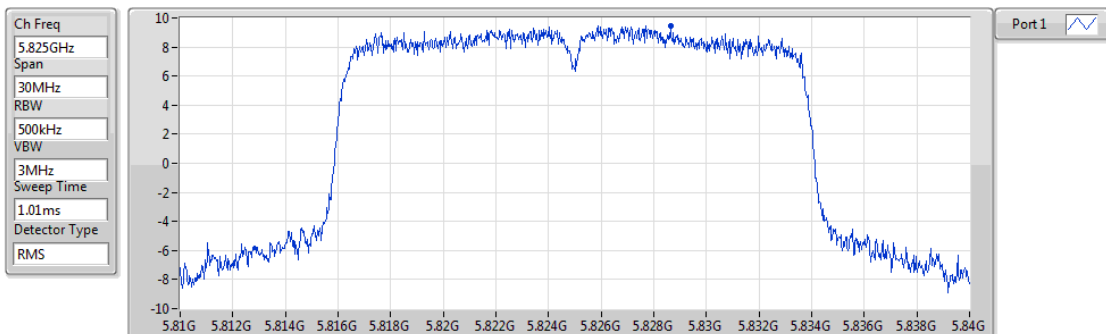


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.94	9.94	9.94

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5825MHz

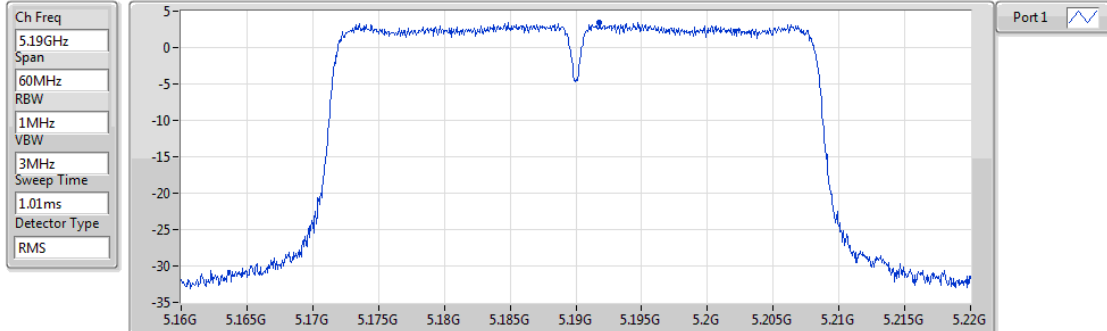


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.47	9.47	9.47

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

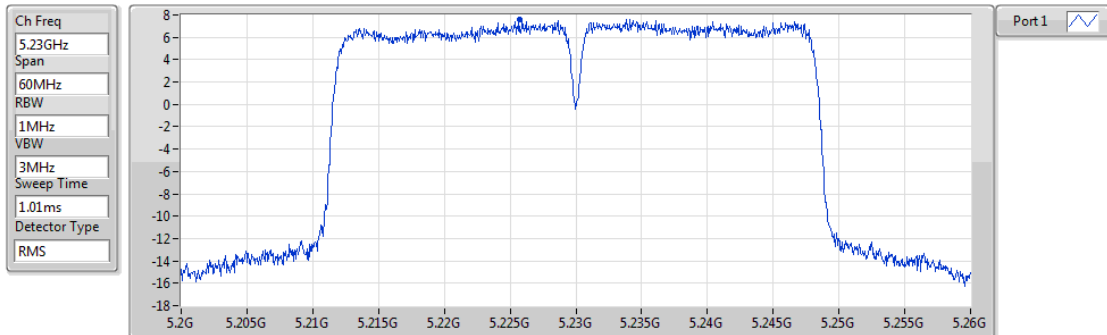


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.50	3.50	3.50

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5230MHz

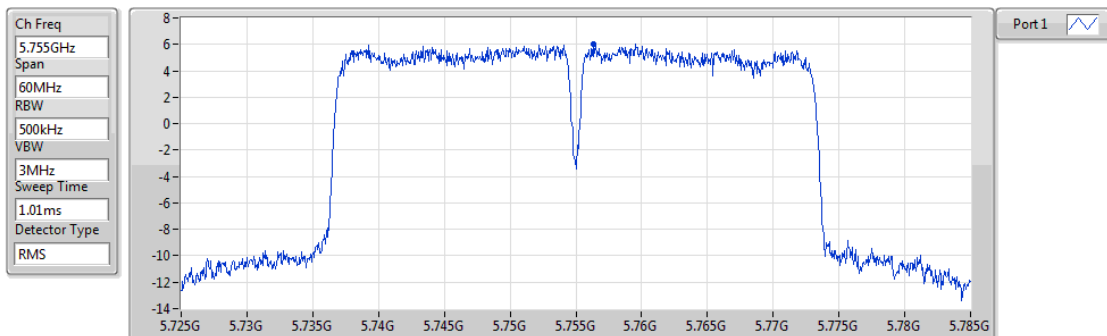


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.61	7.61	7.61

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5755MHz

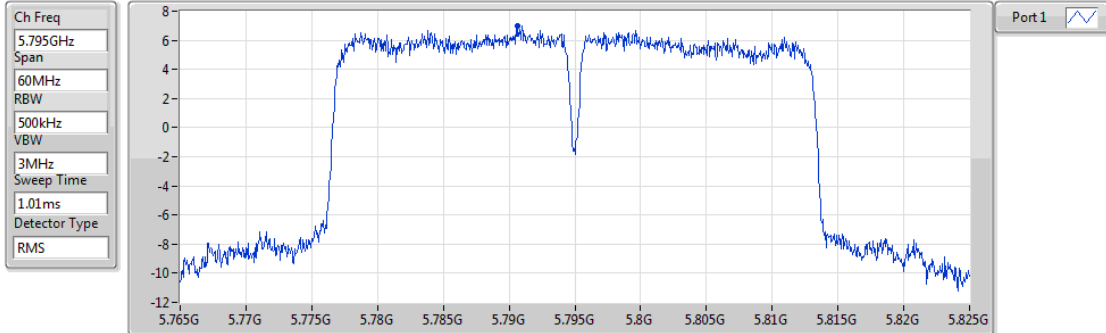


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.05	6.05	6.05

802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5795MHz

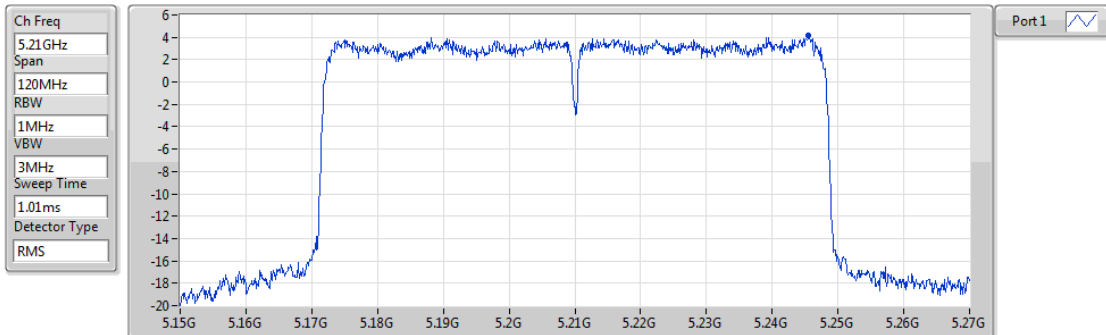


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.99	6.99	6.99

802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5210MHz

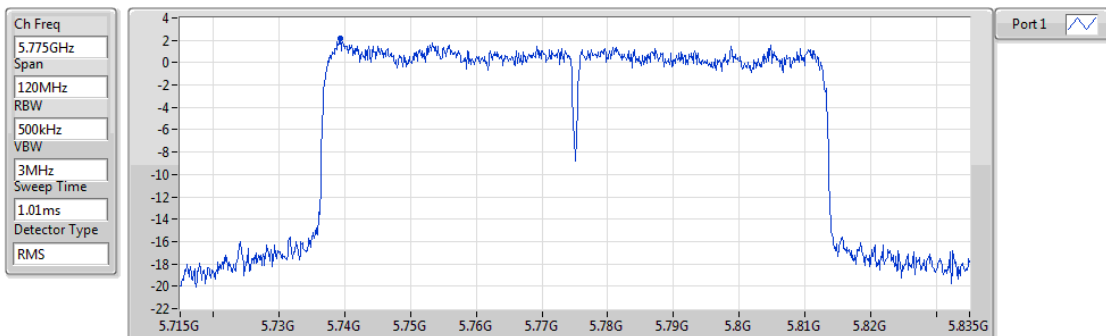


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.14	4.14	4.14

802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5775MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.22	2.22	2.22

**Summary**

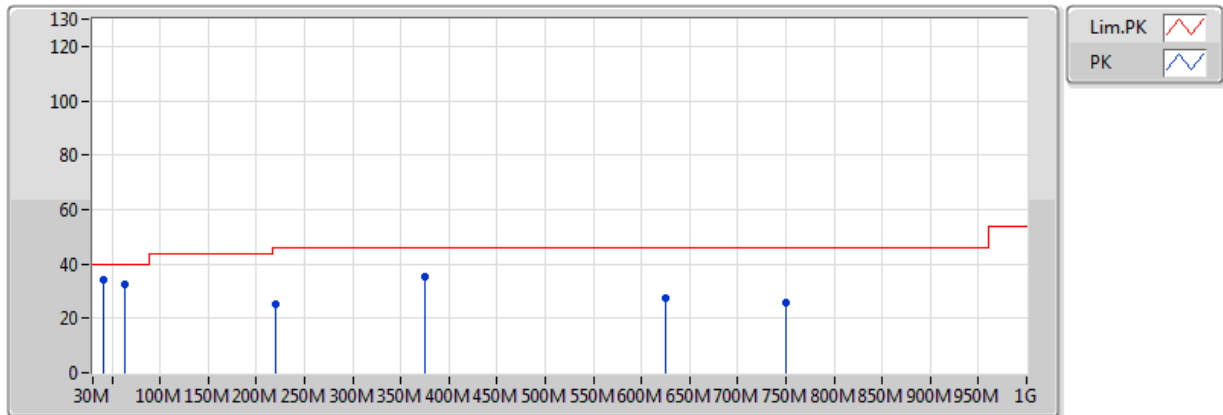
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	PK	375.32M	41.86	46.00	-4.14	-1.84	3	H	360	1.00	-

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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	35.82M	33.40	40.00	-6.60	-4.33	3	H	360	1.00	-
5775MHz	Pass	PK	90.14M	34.92	43.50	-8.58	-4.05	3	H	360	1.00	-
5775MHz	Pass	PK	200.72M	29.24	43.50	-14.26	-2.57	3	H	360	1.00	-
5775MHz	Pass	PK	375.32M	41.86	46.00	-4.14	-1.84	3	H	360	1.00	-
5775MHz	Pass	PK	458.74M	28.08	46.00	-17.92	-1.69	3	H	360	1.00	-
5775MHz	Pass	PK	875.84M	31.60	46.00	-14.40	1.41	3	H	360	1.00	-
5775MHz	Pass	PK	41.64M	34.41	40.00	-5.59	-4.48	3	V	0	1.00	-
5775MHz	Pass	PK	62.98M	32.71	40.00	-7.29	-4.38	3	V	0	1.00	-
5775MHz	Pass	PK	220.12M	25.49	46.00	-20.51	-2.40	3	V	0	1.00	-
5775MHz	Pass	PK	375.32M	35.13	46.00	-10.87	-1.84	3	V	0	1.00	-
5775MHz	Pass	PK	625.58M	27.62	46.00	-18.38	-1.19	3	V	0	1.00	-
5775MHz	Pass	PK	749.74M	26.00	46.00	-20.00	-0.12	3	V	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_AC power Mode

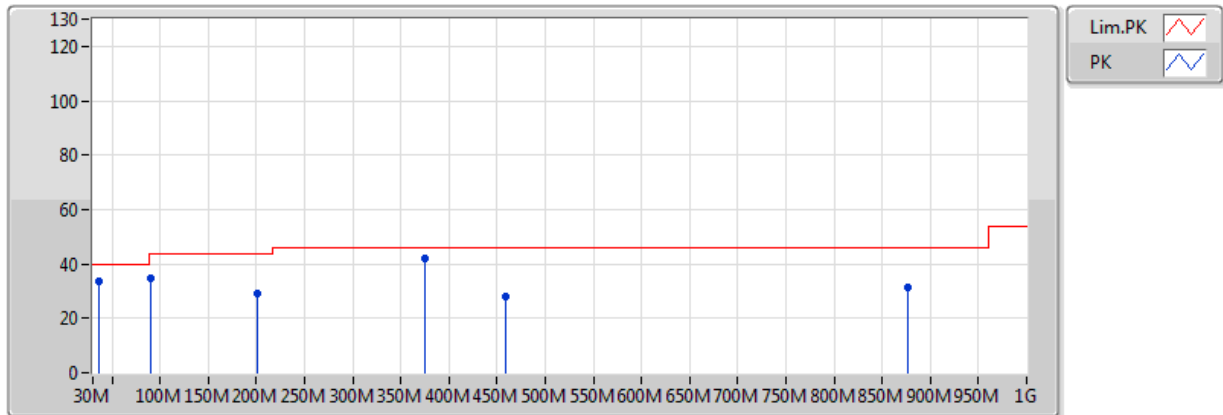


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	41.64M	34.41	40.00	-5.59	-4.48	3	V	0	1.00	-
PK	62.98M	32.71	40.00	-7.29	-4.38	3	V	0	1.00	-
PK	220.12M	25.49	46.00	-20.51	-2.40	3	V	0	1.00	-
PK	375.32M	35.13	46.00	-10.87	-1.84	3	V	0	1.00	-
PK	625.58M	27.62	46.00	-18.38	-1.19	3	V	0	1.00	-
PK	749.74M	26.00	46.00	-20.00	-0.12	3	V	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_AC power Mode



EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	35.82M	33.40	40.00	-6.60	-4.33	3	H	360	1.00	-
PK	90.14M	34.92	43.50	-8.58	-4.05	3	H	360	1.00	-
PK	200.72M	29.24	43.50	-14.26	-2.57	3	H	360	1.00	-
PK	375.32M	41.86	46.00	-4.14	-1.84	3	H	360	1.00	-
PK	458.74M	28.08	46.00	-17.92	-1.69	3	H	360	1.00	-
PK	875.84M	31.60	46.00	-14.40	1.41	3	H	360	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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	10.36G	53.80	54.00	-0.20	12.30	3	H	326	2.10	-
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	AV	17.475G	53.76	54.00	-0.24	19.68	3	H	337	1.58	-

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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	53.11	54.00	-0.89	2.69	3	H	324	1.94	-
5180MHz	Pass	AV	5.179G	99.23	Inf	-Inf	2.72	3	H	324	1.94	-
5180MHz	Pass	AV	10.36G	53.80	54.00	-0.20	12.30	3	H	326	2.10	-
5180MHz	Pass	AV	10.36G	53.80	54.00	-0.20	12.30	3	H	326	2.10	-
5180MHz	Pass	AV	15.54G	47.66	54.00	-6.34	14.13	3	H	39	1.50	-
5180MHz	Pass	AV	15.54G	47.66	54.00	-6.34	14.13	3	H	39	1.50	-
5180MHz	Pass	PK	5.149995G	70.57	74.00	-3.43	2.69	3	H	324	1.94	-
5180MHz	Pass	PK	5.1818G	109.77	Inf	-Inf	2.73	3	H	324	1.94	-
5180MHz	Pass	PK	10.36G	67.75	74.00	-6.25	12.30	3	H	326	2.10	-
5180MHz	Pass	PK	10.36G	67.75	74.00	-6.25	12.30	3	H	326	2.10	-
5180MHz	Pass	PK	15.54G	62.75	74.00	-11.25	14.13	3	H	39	1.50	-
5180MHz	Pass	PK	15.54G	62.75	74.00	-11.25	14.13	3	H	39	1.50	-
5180MHz	Pass	AV	5.149995G	48.72	54.00	-5.28	2.69	3	V	136	2.86	-
5180MHz	Pass	AV	5.1812G	95.97	Inf	-Inf	2.73	3	V	136	2.86	-
5180MHz	Pass	AV	10.36G	53.42	54.00	-0.58	12.30	3	V	165	1.50	-
5180MHz	Pass	AV	10.36G	53.42	54.00	-0.58	12.30	3	V	165	1.50	-
5180MHz	Pass	AV	15.54G	52.12	54.00	-1.88	14.13	3	V	343	1.47	-
5180MHz	Pass	AV	15.54G	52.12	54.00	-1.88	14.13	3	V	343	1.47	-
5180MHz	Pass	PK	5.1488G	69.20	74.00	-4.80	2.69	3	V	136	2.86	-
5180MHz	Pass	PK	5.1826G	106.54	Inf	-Inf	2.73	3	V	136	2.86	-
5180MHz	Pass	PK	10.36G	67.37	74.00	-6.63	12.30	3	V	165	1.50	-
5180MHz	Pass	PK	10.36G	67.37	74.00	-6.63	12.30	3	V	165	1.50	-
5180MHz	Pass	PK	15.54G	66.93	74.00	-7.07	14.13	3	V	343	1.47	-
5180MHz	Pass	PK	15.54G	66.93	74.00	-7.07	14.13	3	V	343	1.47	-
5200MHz	Pass	AV	5.148G	47.67	54.00	-6.33	2.69	3	H	47	2.12	-
5200MHz	Pass	AV	5.2024G	102.41	Inf	-Inf	2.75	3	H	47	2.12	-
5200MHz	Pass	AV	10.4G	53.35	54.00	-0.65	12.40	3	H	330	1.68	-
5200MHz	Pass	AV	15.6G	48.72	54.00	-5.28	13.86	3	H	147	1.98	-
5200MHz	Pass	PK	5.1444G	62.37	74.00	-11.63	2.68	3	H	47	2.12	-
5200MHz	Pass	PK	5.2032G	112.28	Inf	-Inf	2.75	3	H	47	2.12	-
5200MHz	Pass	PK	10.4G	67.89	74.00	-6.11	12.40	3	H	330	1.68	-
5200MHz	Pass	PK	15.6G	62.82	74.00	-11.18	13.86	3	H	147	1.98	-
5200MHz	Pass	AV	5.1476G	43.90	54.00	-10.10	2.69	3	V	140	1.50	-
5200MHz	Pass	AV	5.1988G	94.23	Inf	-Inf	2.75	3	V	140	1.50	-
5200MHz	Pass	AV	10.4G	53.31	54.00	-0.69	12.40	3	V	228	1.55	-
5200MHz	Pass	AV	15.6G	52.72	54.00	-1.28	13.86	3	V	345	1.43	-
5200MHz	Pass	PK	5.1428G	56.82	74.00	-17.18	2.68	3	V	140	1.50	-
5200MHz	Pass	PK	5.198G	103.85	Inf	-Inf	2.75	3	V	140	1.50	-
5200MHz	Pass	PK	10.4G	67.20	74.00	-6.80	12.40	3	V	228	1.55	-
5200MHz	Pass	PK	15.6G	67.12	74.00	-6.88	13.86	3	V	345	1.43	-
5240MHz	Pass	AV	5.1404G	44.75	54.00	-9.25	2.68	3	H	3	1.54	-
5240MHz	Pass	AV	5.2412G	102.97	Inf	-Inf	2.79	3	H	3	1.54	-
5240MHz	Pass	AV	5.3834G	44.96	54.00	-9.04	2.95	3	H	3	1.54	-
5240MHz	Pass	AV	10.48G	52.61	54.00	-1.39	10.46	3	H	328	1.68	-
5240MHz	Pass	AV	15.72G	49.36	54.00	-4.64	15.52	3	H	161	1.98	-
5240MHz	Pass	PK	5.1488G	57.01	74.00	-16.99	2.69	3	H	3	1.54	-
5240MHz	Pass	PK	5.243G	112.66	Inf	-Inf	2.79	3	H	3	1.54	-

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	5.3684G	57.53	74.00	-16.47	2.93	3	H	3	1.54	-
5240MHz	Pass	PK	10.48G	65.96	74.00	-8.04	10.46	3	H	328	1.68	-
5240MHz	Pass	PK	15.72G	63.59	74.00	-10.41	15.52	3	H	161	1.98	-
5240MHz	Pass	AV	5.123G	44.05	54.00	-9.95	2.66	3	V	14	1.62	-
5240MHz	Pass	AV	5.2412G	100.16	Inf	-Inf	2.79	3	V	14	1.62	-
5240MHz	Pass	AV	5.3756G	43.78	54.00	-10.22	2.94	3	V	14	1.62	-
5240MHz	Pass	AV	10.48G	51.68	54.00	-2.32	10.46	3	V	228	1.54	-
5240MHz	Pass	AV	15.72G	53.14	54.00	-0.86	15.52	3	V	344	1.41	-
5240MHz	Pass	PK	5.1266G	56.07	74.00	-17.93	2.66	3	V	14	1.62	-
5240MHz	Pass	PK	5.243G	109.70	Inf	-Inf	2.79	3	V	14	1.62	-
5240MHz	Pass	PK	5.3756G	56.43	74.00	-17.57	2.94	3	V	14	1.62	-
5240MHz	Pass	PK	10.48G	64.95	74.00	-9.05	10.46	3	V	228	1.54	-
5240MHz	Pass	PK	15.72G	67.52	74.00	-6.48	15.52	3	V	344	1.41	-
802.11ac VHT20_Nss1(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	53.10	54.00	-0.90	2.69	3	H	50	1.87	-
5180MHz	Pass	AV	5.183G	100.69	Inf	-Inf	2.73	3	H	50	1.87	-
5180MHz	Pass	AV	10.36G	49.96	54.00	-4.04	12.30	3	H	331	1.61	-
5180MHz	Pass	AV	15.54G	47.96	54.00	-6.04	14.13	3	H	64	1.67	-
5180MHz	Pass	PK	5.1474G	68.67	74.00	-5.33	2.69	3	H	50	1.87	-
5180MHz	Pass	PK	5.179G	110.66	Inf	-Inf	2.72	3	H	50	1.87	-
5180MHz	Pass	PK	10.36G	66.01	74.00	-7.99	12.30	3	H	331	1.61	-
5180MHz	Pass	PK	15.54G	62.20	74.00	-11.80	14.13	3	H	64	1.67	-
5180MHz	Pass	AV	5.149995G	49.22	54.00	-4.78	2.69	3	V	138	3.49	-
5180MHz	Pass	AV	5.183G	98.79	Inf	-Inf	2.73	3	V	138	3.49	-
5180MHz	Pass	AV	10.36G	49.62	54.00	-4.38	12.30	3	V	228	1.50	-
5180MHz	Pass	AV	15.54G	48.48	54.00	-5.52	14.13	3	V	345	1.42	-
5180MHz	Pass	PK	5.149995G	64.54	74.00	-9.46	2.69	3	V	138	3.49	-
5180MHz	Pass	PK	5.183G	108.49	Inf	-Inf	2.73	3	V	138	3.49	-
5180MHz	Pass	PK	10.36G	65.28	74.00	-8.72	12.30	3	V	228	1.50	-
5180MHz	Pass	PK	15.54G	63.12	74.00	-10.88	14.13	3	V	345	1.42	-
5200MHz	Pass	AV	5.1484G	47.65	54.00	-6.35	2.69	3	H	53	2.12	-
5200MHz	Pass	AV	5.2032G	102.19	Inf	-Inf	2.75	3	H	53	2.12	-
5200MHz	Pass	AV	10.4G	53.40	54.00	-0.60	12.40	3	H	325	1.75	-
5200MHz	Pass	AV	15.6G	48.38	54.00	-5.62	13.86	3	H	160	2.28	-
5200MHz	Pass	PK	5.1488G	63.64	74.00	-10.36	2.69	3	H	53	2.12	-
5200MHz	Pass	PK	5.2004G	112.14	Inf	-Inf	2.75	3	H	53	2.12	-
5200MHz	Pass	PK	10.4G	69.33	74.00	-4.67	12.40	3	H	325	1.75	-
5200MHz	Pass	PK	15.6G	62.99	74.00	-11.01	13.86	3	H	160	2.28	-
5200MHz	Pass	AV	5.148G	44.27	54.00	-9.73	2.69	3	V	145	3.65	-
5200MHz	Pass	AV	5.2032G	97.24	Inf	-Inf	2.75	3	V	145	3.65	-
5200MHz	Pass	AV	10.4G	53.54	54.00	-0.46	12.40	3	V	165	1.60	-
5200MHz	Pass	AV	15.6G	46.98	54.00	-7.02	13.86	3	V	341	1.48	-
5200MHz	Pass	PK	5.1448G	58.23	74.00	-15.77	2.68	3	V	145	3.65	-
5200MHz	Pass	PK	5.2016G	106.90	Inf	-Inf	2.75	3	V	145	3.65	-
5200MHz	Pass	PK	10.4G	69.40	74.00	-4.60	12.40	3	V	165	1.60	-
5200MHz	Pass	PK	15.6G	61.33	74.00	-12.67	13.86	3	V	341	1.48	-
5240MHz	Pass	AV	5.0954G	43.92	54.00	-10.08	2.62	3	H	329	2.93	-
5240MHz	Pass	AV	5.243G	100.78	Inf	-Inf	2.79	3	H	329	2.93	-
5240MHz	Pass	AV	5.372G	44.23	54.00	-9.77	2.94	3	H	329	2.93	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	AV	10.48G	53.26	54.00	-0.74	12.60	3	H	327	1.75	-
5240MHz	Pass	AV	15.72G	45.79	54.00	-8.21	13.31	3	H	38	1.50	-
5240MHz	Pass	PK	5.093G	56.09	74.00	-17.91	2.62	3	H	329	2.93	-
5240MHz	Pass	PK	5.243G	110.57	Inf	-Inf	2.79	3	H	329	2.93	-
5240MHz	Pass	PK	5.3894G	56.59	74.00	-17.41	2.96	3	H	329	2.93	-
5240MHz	Pass	PK	10.48G	69.01	74.00	-4.99	12.60	3	H	327	1.75	-
5240MHz	Pass	PK	15.72G	60.45	74.00	-13.55	13.31	3	H	38	1.50	-
5240MHz	Pass	AV	5.093G	43.07	54.00	-10.93	2.62	3	V	131	1.01	-
5240MHz	Pass	AV	5.243G	97.45	Inf	-Inf	2.79	3	V	131	1.01	-
5240MHz	Pass	AV	5.3756G	43.11	54.00	-10.89	2.94	3	V	131	1.01	-
5240MHz	Pass	AV	10.48G	52.29	54.00	-1.71	12.60	3	V	165	1.47	-
5240MHz	Pass	AV	15.72G	51.19	54.00	-2.81	13.31	3	V	341	1.46	-
5240MHz	Pass	PK	5.1416G	55.89	74.00	-18.11	2.68	3	V	131	1.01	-
5240MHz	Pass	PK	5.2388G	107.51	Inf	-Inf	2.79	3	V	131	1.01	-
5240MHz	Pass	PK	5.375G	55.85	74.00	-18.15	2.94	3	V	131	1.01	-
5240MHz	Pass	PK	10.48G	67.56	74.00	-6.44	12.60	3	V	165	1.47	-
5240MHz	Pass	PK	15.72G	66.42	74.00	-7.58	13.31	3	V	341	1.46	-
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.149995G	52.23	54.00	-1.77	2.69	3	H	58	3.12	-
5190MHz	Pass	AV	5.1916G	93.87	Inf	-Inf	2.74	3	H	58	3.12	-
5190MHz	Pass	PK	5.149995G	68.29	74.00	-5.71	2.69	3	H	58	3.12	-
5190MHz	Pass	PK	5.1876G	103.76	Inf	-Inf	2.74	3	H	58	3.12	-
5190MHz	Pass	AV	5.149995G	49.01	54.00	-4.99	2.69	3	V	133	1.08	-
5190MHz	Pass	AV	5.1916G	89.51	Inf	-Inf	2.74	3	V	133	1.08	-
5190MHz	Pass	PK	5.149995G	65.76	74.00	-8.24	2.69	3	V	133	1.08	-
5190MHz	Pass	PK	5.1876G	99.43	Inf	-Inf	2.74	3	V	133	1.08	-
5190MHz	Pass	AV	15.57G	45.77	54.00	-8.23	14.00	3	H	19	1.07	-
5190MHz	Pass	PK	15.57G	59.16	74.00	-14.84	14.00	3	H	19	1.07	-
5190MHz	Pass	AV	15.57G	46.41	54.00	-7.59	14.00	3	V	341	1.50	-
5190MHz	Pass	PK	15.57G	60.13	74.00	-13.87	14.00	3	V	341	1.50	-
5230MHz	Pass	AV	5.1472G	42.91	54.00	-11.09	2.69	3	H	332	2.24	-
5230MHz	Pass	AV	5.2316G	93.61	Inf	-Inf	2.78	3	H	332	2.24	-
5230MHz	Pass	AV	15.69G	45.34	54.00	-8.66	13.45	3	H	39	1.50	-
5230MHz	Pass	PK	5.1464G	55.41	74.00	-18.59	2.69	3	H	332	2.24	-
5230MHz	Pass	PK	5.228G	103.90	Inf	-Inf	2.78	3	H	332	2.24	-
5230MHz	Pass	PK	15.69G	58.43	74.00	-15.57	13.45	3	H	39	1.50	-
5230MHz	Pass	AV	5.148G	41.79	54.00	-12.21	2.69	3	V	148	2.97	-
5230MHz	Pass	AV	5.2356G	91.42	Inf	-Inf	2.79	3	V	148	2.97	-
5230MHz	Pass	AV	15.69G	49.81	54.00	-4.19	13.45	3	V	343	1.49	-
5230MHz	Pass	PK	5.1456G	54.34	74.00	-19.66	2.68	3	V	148	2.97	-
5230MHz	Pass	PK	5.2404G	101.68	Inf	-Inf	2.79	3	V	148	2.97	-
5230MHz	Pass	PK	15.69G	63.15	74.00	-10.85	13.45	3	V	343	1.49	-
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149995G	53.71	54.00	-0.29	2.69	3	H	326	2.00	-
5210MHz	Pass	AV	5.246G	88.97	Inf	-Inf	2.80	3	H	326	2.00	-
5210MHz	Pass	AV	5.419G	43.17	54.00	-10.83	2.99	3	H	326	2.00	-
5210MHz	Pass	AV	15.63G	44.60	54.00	-9.40	13.72	3	H	39	1.50	-
5210MHz	Pass	PK	5.144G	67.44	74.00	-6.56	2.68	3	H	326	2.00	-
5210MHz	Pass	PK	5.215G	98.54	Inf	-Inf	2.77	3	H	326	2.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	PK	5.431G	55.77	74.00	-18.23	3.00	3	H	326	2.00	-
5210MHz	Pass	PK	15.63G	57.93	74.00	-16.07	13.72	3	H	39	1.50	-
5210MHz	Pass	AV	5.149995G	51.23	54.00	-2.77	2.69	3	V	144	2.94	-
5210MHz	Pass	AV	5.245G	86.12	Inf	-Inf	2.80	3	V	144	2.94	-
5210MHz	Pass	AV	5.415G	42.42	54.00	-11.58	2.99	3	V	144	2.94	-
5210MHz	Pass	AV	15.63G	47.33	54.00	-6.67	13.72	3	V	343	1.50	-
5210MHz	Pass	PK	5.148G	64.45	74.00	-9.55	2.69	3	V	144	2.94	-
5210MHz	Pass	PK	5.24G	96.08	Inf	-Inf	2.79	3	V	144	2.94	-
5210MHz	Pass	PK	5.416G	54.80	74.00	-19.20	2.99	3	V	144	2.94	-
5210MHz	Pass	PK	15.63G	61.20	74.00	-12.80	13.72	3	V	343	1.50	-
802.11a_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.7462G	98.34	Inf	-Inf	3.54	3	H	329	2.57	-
5745MHz	Pass	AV	11.49G	49.21	54.00	-4.79	13.26	3	H	329	2.57	-
5745MHz	Pass	AV	17.235G	49.54	54.00	-4.46	18.10	3	H	46	1.48	-
5745MHz	Pass	PK	5.6478G	55.90	68.20	-12.30	3.36	3	H	329	2.57	-
5745MHz	Pass	PK	5.7438G	108.39	Inf	-Inf	3.54	3	H	329	2.57	-
5745MHz	Pass	PK	5.9694G	55.16	68.20	-13.04	3.96	3	H	329	2.57	-
5745MHz	Pass	PK	11.49G	61.05	74.00	-12.95	13.26	3	H	329	2.57	-
5745MHz	Pass	PK	17.235G	64.98	74.00	-9.02	18.10	3	H	46	1.48	-
5745MHz	Pass	AV	5.7462G	96.83	Inf	-Inf	3.54	3	V	172	2.91	-
5745MHz	Pass	AV	11.49G	51.18	54.00	-2.82	13.26	3	V	94	2.12	-
5745MHz	Pass	AV	17.235G	53.58	54.00	-0.42	18.10	3	V	92	1.60	-
5745MHz	Pass	PK	5.583G	56.44	68.20	-11.76	3.24	3	V	172	2.91	-
5745MHz	Pass	PK	5.7438G	107.00	Inf	-Inf	3.54	3	V	172	2.91	-
5745MHz	Pass	PK	5.9766G	55.41	68.20	-12.79	3.98	3	V	172	2.91	-
5745MHz	Pass	PK	11.49G	62.86	74.00	-11.14	13.26	3	V	94	2.12	-
5745MHz	Pass	PK	17.235G	67.60	74.00	-6.40	18.10	3	V	92	1.60	-
5785MHz	Pass	AV	5.7838G	98.83	Inf	-Inf	3.62	3	H	323	2.18	-
5785MHz	Pass	AV	11.57G	49.37	54.00	-4.63	13.16	3	H	331	1.61	-
5785MHz	Pass	AV	17.355G	50.98	54.00	-3.02	18.89	3	H	338	1.60	-
5785MHz	Pass	PK	5.6314G	56.97	68.20	-11.23	3.33	3	H	323	2.18	-
5785MHz	Pass	PK	5.7838G	108.92	Inf	-Inf	3.62	3	H	323	2.18	-
5785MHz	Pass	PK	5.989G	54.99	68.20	-13.21	4.00	3	H	323	2.18	-
5785MHz	Pass	PK	11.57G	61.24	74.00	-12.76	13.16	3	H	331	1.61	-
5785MHz	Pass	PK	17.355G	64.79	74.00	-9.21	18.89	3	H	338	1.60	-
5785MHz	Pass	AV	5.7838G	99.11	Inf	-Inf	3.62	3	V	226	3.55	-
5785MHz	Pass	AV	11.57G	50.84	54.00	-3.16	13.16	3	V	92	2.19	-
5785MHz	Pass	AV	17.355G	53.65	54.00	-0.35	18.89	3	V	0	1.54	-
5785MHz	Pass	PK	5.5474G	56.27	68.20	-11.93	3.17	3	V	226	3.55	-
5785MHz	Pass	PK	5.7838G	108.86	Inf	-Inf	3.62	3	V	226	3.55	-
5785MHz	Pass	PK	5.9242G	55.76	68.79	-13.03	3.88	3	V	226	3.55	-
5785MHz	Pass	PK	11.57G	62.45	74.00	-11.55	13.16	3	V	92	2.19	-
5785MHz	Pass	PK	17.355G	66.92	74.00	-7.08	18.89	3	V	0	1.54	-
5825MHz	Pass	AV	5.8238G	100.99	Inf	-Inf	3.69	3	H	67	2.79	-
5825MHz	Pass	AV	11.65G	47.89	54.00	-6.11	13.05	3	H	331	1.60	-
5825MHz	Pass	AV	17.475G	52.10	54.00	-1.90	19.68	3	H	337	1.63	-
5825MHz	Pass	PK	5.621G	57.08	68.20	-11.12	3.31	3	H	67	2.79	-
5825MHz	Pass	PK	5.8238G	110.93	Inf	-Inf	3.69	3	H	67	2.79	-
5825MHz	Pass	PK	5.9534G	55.93	68.20	-12.27	3.93	3	H	67	2.79	-

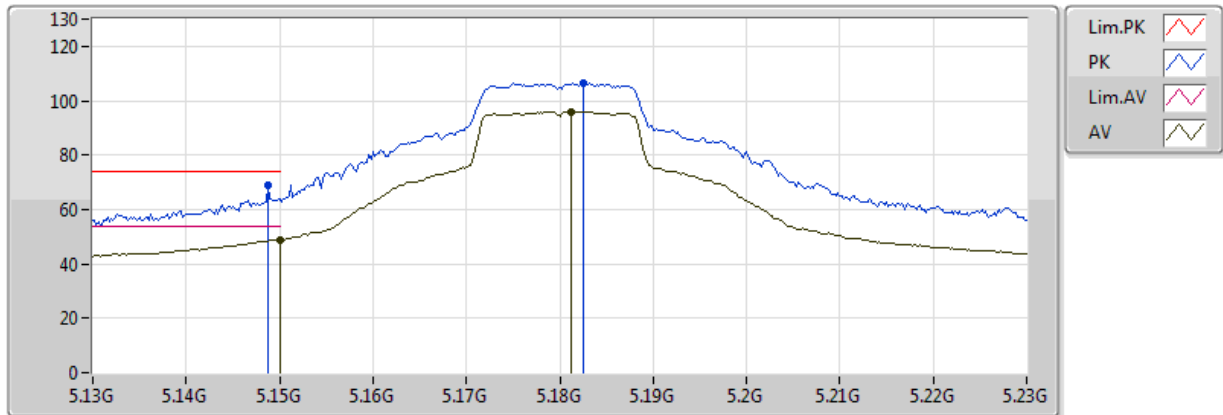
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	PK	11.65G	59.15	74.00	-14.85	13.05	3	H	331	1.60	-
5825MHz	Pass	PK	17.475G	66.15	74.00	-7.85	19.68	3	H	337	1.63	-
5825MHz	Pass	AV	5.8238G	95.85	Inf	-Inf	3.69	3	V	147	2.40	-
5825MHz	Pass	AV	11.65G	51.11	54.00	-2.89	13.05	3	V	94	2.25	-
5825MHz	Pass	AV	17.475G	53.25	54.00	-0.75	19.68	3	V	27	1.54	-
5825MHz	Pass	PK	5.6426G	55.81	68.20	-12.39	3.35	3	V	147	2.40	-
5825MHz	Pass	PK	5.8238G	105.84	Inf	-Inf	3.69	3	V	147	2.40	-
5825MHz	Pass	PK	5.939G	54.56	68.20	-13.64	3.90	3	V	147	2.40	-
5825MHz	Pass	PK	11.65G	62.19	74.00	-11.81	13.05	3	V	94	2.25	-
5825MHz	Pass	PK	17.475G	67.77	74.00	-6.23	19.68	3	V	27	1.54	-
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.7462G	103.63	Inf	-Inf	3.54	3	H	61	2.87	-
5745MHz	Pass	AV	11.49G	47.25	54.00	-6.75	13.26	3	H	330	1.70	-
5745MHz	Pass	AV	17.235G	49.77	54.00	-4.23	18.10	3	H	46	1.35	-
5745MHz	Pass	PK	5.649G	61.00	68.20	-7.20	3.36	3	H	61	2.87	-
5745MHz	Pass	PK	5.7414G	114.31	Inf	-Inf	3.53	3	H	61	2.87	-
5745MHz	Pass	PK	5.955G	56.36	68.20	-11.84	3.93	3	H	61	2.87	-
5745MHz	Pass	PK	11.49G	60.66	74.00	-13.34	13.26	3	H	330	1.70	-
5745MHz	Pass	PK	17.235G	64.49	74.00	-9.51	18.10	3	H	46	1.35	-
5745MHz	Pass	AV	5.7474G	99.33	Inf	-Inf	3.54	3	V	154	3.18	-
5745MHz	Pass	AV	11.49G	50.37	54.00	-3.63	13.26	3	V	93	2.24	-
5745MHz	Pass	AV	17.235G	51.44	54.00	-2.56	18.10	3	V	93	2.24	-
5745MHz	Pass	PK	5.6478G	57.49	68.20	-10.71	3.36	3	V	154	3.18	-
5745MHz	Pass	PK	5.7414G	109.66	Inf	-Inf	3.53	3	V	154	3.18	-
5745MHz	Pass	PK	5.9682G	55.13	68.20	-13.07	3.96	3	V	154	3.18	-
5745MHz	Pass	PK	11.49G	63.81	74.00	-10.19	13.26	3	V	93	2.24	-
5745MHz	Pass	PK	17.235G	65.30	74.00	-8.70	18.10	3	V	93	2.24	-
5785MHz	Pass	AV	5.7814G	100.32	Inf	-Inf	3.61	3	H	318	2.16	-
5785MHz	Pass	AV	11.57G	48.08	54.00	-5.92	13.16	3	H	329	1.67	-
5785MHz	Pass	AV	17.355G	51.75	54.00	-2.25	18.89	3	H	338	1.56	-
5785MHz	Pass	PK	5.5726G	57.47	68.20	-10.73	3.22	3	H	318	2.16	-
5785MHz	Pass	PK	5.7862G	110.28	Inf	-Inf	3.62	3	H	318	2.16	-
5785MHz	Pass	PK	5.9266G	55.18	68.20	-13.02	3.88	3	H	318	2.16	-
5785MHz	Pass	PK	11.57G	61.81	74.00	-12.19	13.16	3	H	329	1.67	-
5785MHz	Pass	PK	17.355G	65.55	74.00	-8.45	18.89	3	H	338	1.56	-
5785MHz	Pass	AV	5.7826G	101.40	Inf	-Inf	3.62	3	V	224	3.56	-
5785MHz	Pass	AV	11.57G	50.17	54.00	-3.83	13.16	3	V	281	2.16	-
5785MHz	Pass	AV	17.355G	53.50	54.00	-0.50	18.89	3	V	93	1.55	-
5785MHz	Pass	PK	5.6242G	56.87	68.20	-11.33	3.31	3	V	224	3.56	-
5785MHz	Pass	PK	5.7814G	111.95	Inf	-Inf	3.61	3	V	224	3.56	-
5785MHz	Pass	PK	5.9278G	56.13	68.20	-12.07	3.88	3	V	224	3.56	-
5785MHz	Pass	PK	11.57G	64.01	74.00	-9.99	13.16	3	V	281	2.16	-
5785MHz	Pass	PK	17.355G	68.69	74.00	-5.31	18.89	3	V	93	1.55	-
5825MHz	Pass	AV	5.8226G	102.36	Inf	-Inf	3.69	3	H	66	2.81	-
5825MHz	Pass	AV	11.65G	50.84	54.00	-3.16	13.05	3	H	329	1.58	-
5825MHz	Pass	AV	17.475G	53.76	54.00	-0.24	19.68	3	H	337	1.58	-
5825MHz	Pass	PK	5.5658G	57.53	68.20	-10.67	3.21	3	H	66	2.81	-
5825MHz	Pass	PK	5.8226G	112.30	Inf	-Inf	3.69	3	H	66	2.81	-
5825MHz	Pass	PK	5.9366G	58.49	68.20	-9.71	3.90	3	H	66	2.81	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	PK	11.65G	64.15	74.00	-9.85	13.05	3	H	329	1.58	-
5825MHz	Pass	PK	17.475G	69.77	74.00	-4.23	19.68	3	H	337	1.58	-
5825MHz	Pass	AV	5.8274G	98.05	Inf	-Inf	3.70	3	V	154	3.25	-
5825MHz	Pass	AV	11.65G	53.61	54.00	-0.39	13.05	3	V	93	2.11	-
5825MHz	Pass	AV	17.475G	53.15	54.00	-0.85	19.68	3	V	27	1.59	-
5825MHz	Pass	PK	5.5466G	56.56	68.20	-11.64	3.17	3	V	154	3.25	-
5825MHz	Pass	PK	5.8238G	108.39	Inf	-Inf	3.69	3	V	154	3.25	-
5825MHz	Pass	PK	5.9606G	56.05	68.20	-12.15	3.95	3	V	154	3.25	-
5825MHz	Pass	PK	11.65G	68.02	74.00	-5.98	13.05	3	V	93	2.11	-
5825MHz	Pass	PK	17.475G	71.02	74.00	-2.98	19.68	3	V	27	1.59	-
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	AV	5.7394G	100.51	Inf	-Inf	3.53	3	H	67	3.01	-
5755MHz	Pass	AV	11.51G	46.04	54.00	-7.96	13.23	3	H	326	2.17	-
5755MHz	Pass	AV	17.265G	49.64	54.00	-4.36	18.29	3	H	46	1.35	-
5755MHz	Pass	PK	5.6434G	67.85	68.20	-0.35	3.35	3	H	67	3.01	-
5755MHz	Pass	PK	5.7382G	110.69	Inf	-Inf	3.53	3	H	67	3.01	-
5755MHz	Pass	PK	5.9266G	57.28	68.20	-10.92	3.88	3	H	67	3.01	-
5755MHz	Pass	PK	11.51G	59.34	74.00	-14.66	13.23	3	H	326	2.17	-
5755MHz	Pass	PK	17.265G	63.24	74.00	-10.76	18.29	3	H	46	1.35	-
5755MHz	Pass	AV	5.749G	95.84	Inf	-Inf	3.55	3	V	183	2.79	-
5755MHz	Pass	AV	11.51G	48.27	54.00	-5.73	13.23	3	V	90	2.25	-
5755MHz	Pass	AV	17.265G	52.84	54.00	-1.16	18.29	3	V	92	1.63	-
5755MHz	Pass	PK	5.6434G	62.58	68.20	-5.62	3.35	3	V	183	2.79	-
5755MHz	Pass	PK	5.7538G	106.40	Inf	-Inf	3.56	3	V	183	2.79	-
5755MHz	Pass	PK	5.9278G	58.30	68.20	-9.90	3.88	3	V	183	2.79	-
5755MHz	Pass	PK	11.51G	59.91	74.00	-14.09	13.23	3	V	90	2.25	-
5755MHz	Pass	PK	17.265G	66.38	74.00	-7.62	18.29	3	V	92	1.63	-
5795MHz	Pass	AV	5.7962G	99.86	Inf	-Inf	3.64	3	H	67	3.09	-
5795MHz	Pass	AV	11.59G	46.38	54.00	-7.62	13.13	3	H	323	2.12	-
5795MHz	Pass	AV	17.385G	50.21	54.00	-3.79	19.08	3	H	337	1.59	-
5795MHz	Pass	PK	5.6414G	62.09	68.20	-6.11	3.34	3	H	67	3.09	-
5795MHz	Pass	PK	5.7986G	110.39	Inf	-Inf	3.65	3	H	67	3.09	-
5795MHz	Pass	PK	5.9282G	62.00	68.20	-6.20	3.88	3	H	67	3.09	-
5795MHz	Pass	PK	11.59G	59.21	74.00	-14.79	13.13	3	H	323	2.12	-
5795MHz	Pass	PK	17.385G	64.73	74.00	-9.27	19.08	3	H	337	1.59	-
5795MHz	Pass	AV	5.7962G	95.99	Inf	-Inf	3.64	3	V	190	2.64	-
5795MHz	Pass	AV	11.59G	49.19	54.00	-4.81	13.13	3	V	91	2.13	-
5795MHz	Pass	AV	17.385G	51.93	54.00	-2.07	19.08	3	V	0	1.53	-
5795MHz	Pass	PK	5.6426G	59.60	68.20	-8.60	3.35	3	V	190	2.64	-
5795MHz	Pass	PK	5.7962G	106.37	Inf	-Inf	3.64	3	V	190	2.64	-
5795MHz	Pass	PK	5.9342G	60.13	68.20	-8.07	3.89	3	V	190	2.64	-
5795MHz	Pass	PK	11.59G	61.96	74.00	-12.04	13.13	3	V	91	2.13	-
5795MHz	Pass	PK	17.385G	65.29	74.00	-8.71	19.08	3	V	0	1.53	-
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	AV	5.739G	92.99	Inf	-Inf	3.53	3	H	317	2.11	-
5775MHz	Pass	AV	11.55G	43.84	54.00	-10.16	13.18	3	H	328	1.79	-
5775MHz	Pass	PK	5.6478G	67.83	68.20	-0.37	3.36	3	H	317	2.11	-
5775MHz	Pass	PK	5.739G	102.92	Inf	-Inf	3.53	3	H	317	2.11	-
5775MHz	Pass	PK	5.9286G	62.10	68.20	-6.10	3.88	3	H	317	2.11	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5775MHz	Pass	PK	11.55G	56.71	74.00	-17.29	13.18	3	H	328	1.79	-
5775MHz	Pass	AV	5.739G	85.11	Inf	-Inf	3.53	3	V	171	1.50	-
5775MHz	Pass	AV	11.55G	44.97	54.00	-9.03	13.18	3	V	279	1.67	-
5775MHz	Pass	PK	5.649G	60.24	68.20	-7.96	3.36	3	V	171	1.50	-
5775MHz	Pass	PK	5.7618G	94.67	Inf	-Inf	3.57	3	V	171	1.50	-
5775MHz	Pass	PK	5.9514G	56.77	68.20	-11.43	3.93	3	V	171	1.50	-
5775MHz	Pass	PK	11.55G	59.11	74.00	-14.89	13.18	3	V	279	1.67	-

802.11a_(6Mbps)_1TX

5180MHz_TX

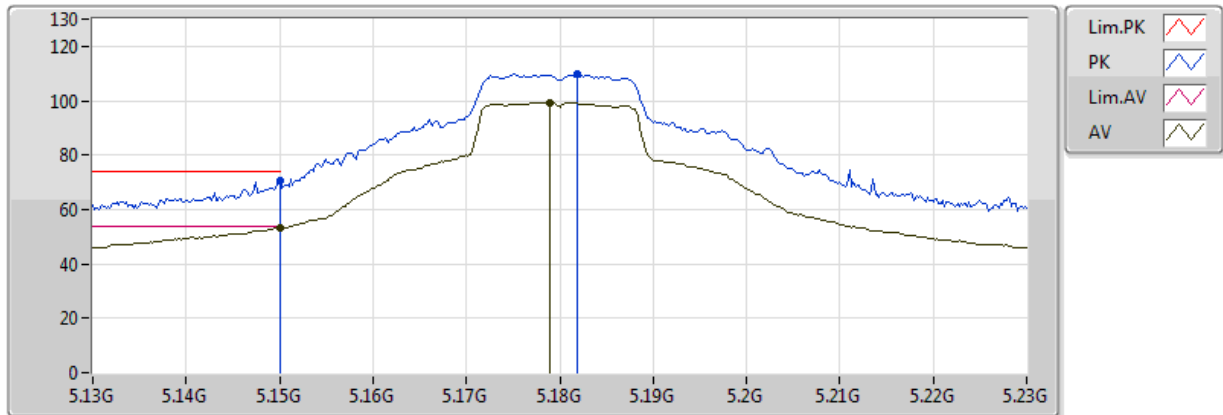


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1812G	95.97	Inf	-Inf	2.73	3	V	136	2.86	-
AV	5.149995G	48.72	54.00	-5.28	2.69	3	V	136	2.86	-
PK	5.1826G	106.54	Inf	-Inf	2.73	3	V	136	2.86	-
PK	5.1488G	69.20	74.00	-4.80	2.69	3	V	136	2.86	-

802.11a_(6Mbps)_1TX

5180MHz_TX

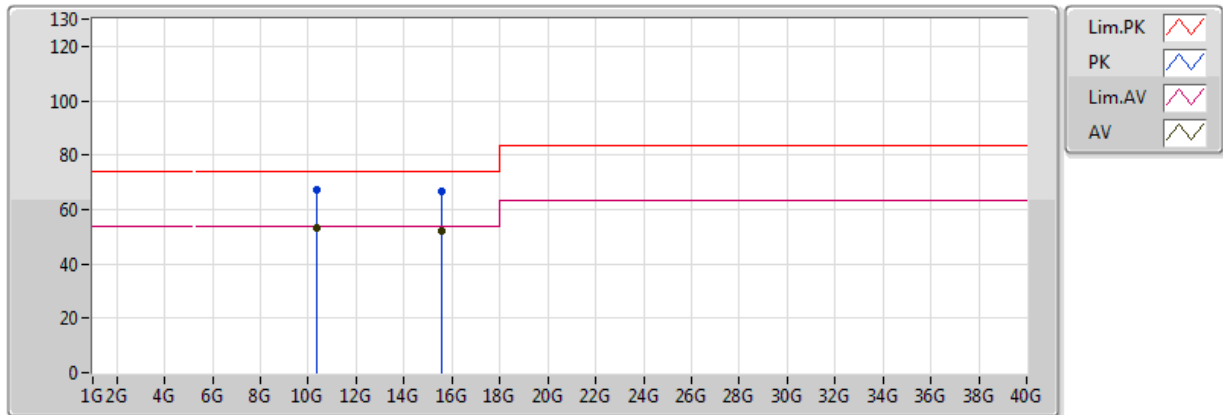


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.179G	99.23	Inf	-Inf	2.72	3	H	324	1.94	-
AV	5.149995G	53.11	54.00	-0.89	2.69	3	H	324	1.94	-
PK	5.1818G	109.77	Inf	-Inf	2.73	3	H	324	1.94	-
PK	5.149995G	70.57	74.00	-3.43	2.69	3	H	324	1.94	-

802.11a_(6Mbps)_1TX

5180MHz_TX

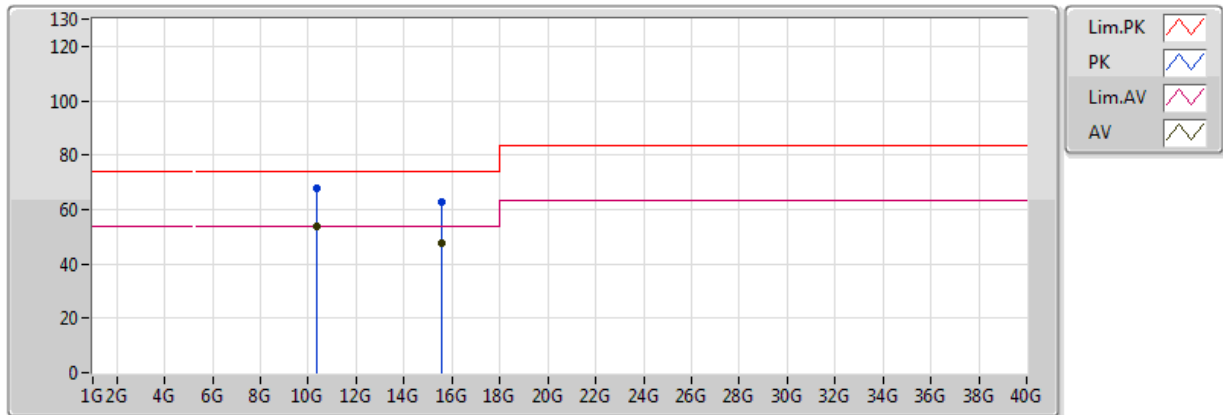


EUT=Z

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	53.42	54.00	-0.58	12.30	3	V	165	1.50	-
AV	15.54G	52.12	54.00	-1.88	14.13	3	V	343	1.47	-
PK	10.36G	67.37	74.00	-6.63	12.30	3	V	165	1.50	-
PK	15.54G	66.93	74.00	-7.07	14.13	3	V	343	1.47	-

802.11a_(6Mbps)_1TX

5180MHz_TX

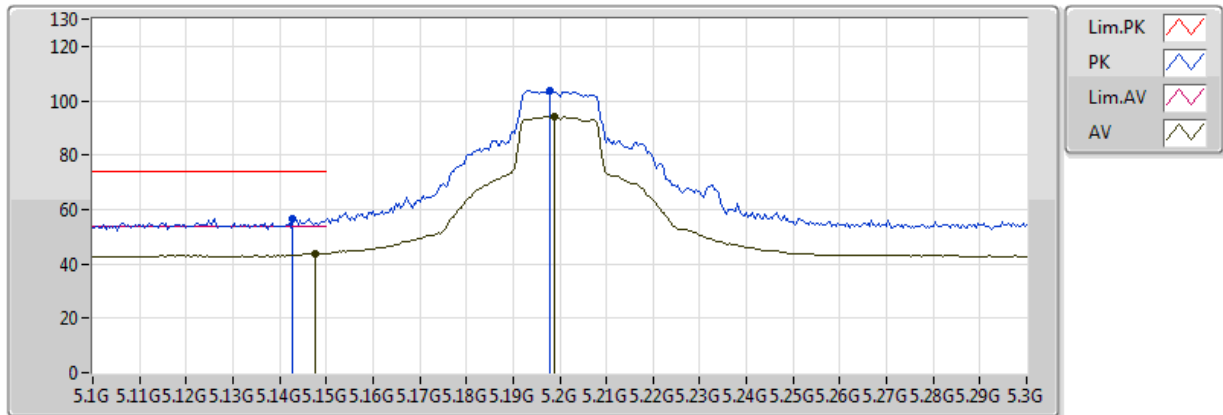


EUT=Z

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	53.80	54.00	-0.20	12.30	3	H	326	2.10	-
AV	15.54G	47.66	54.00	-6.34	14.13	3	H	39	1.50	-
PK	10.36G	67.75	74.00	-6.25	12.30	3	H	326	2.10	-
PK	15.54G	62.75	74.00	-11.25	14.13	3	H	39	1.50	-

802.11a_(6Mbps)_1TX

5200MHz_TX

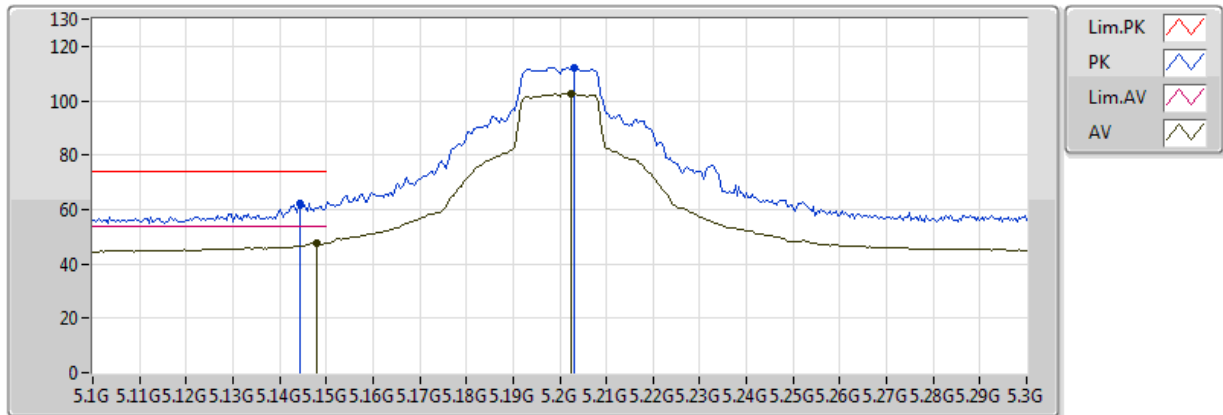


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1476G	43.90	54.00	-10.10	2.69	3	V	140	1.50	-
AV	5.1988G	94.23	Inf	-Inf	2.75	3	V	140	1.50	-
PK	5.1428G	56.82	74.00	-17.18	2.68	3	V	140	1.50	-
PK	5.198G	103.85	Inf	-Inf	2.75	3	V	140	1.50	-

802.11a_(6Mbps)_1TX

5200MHz_TX

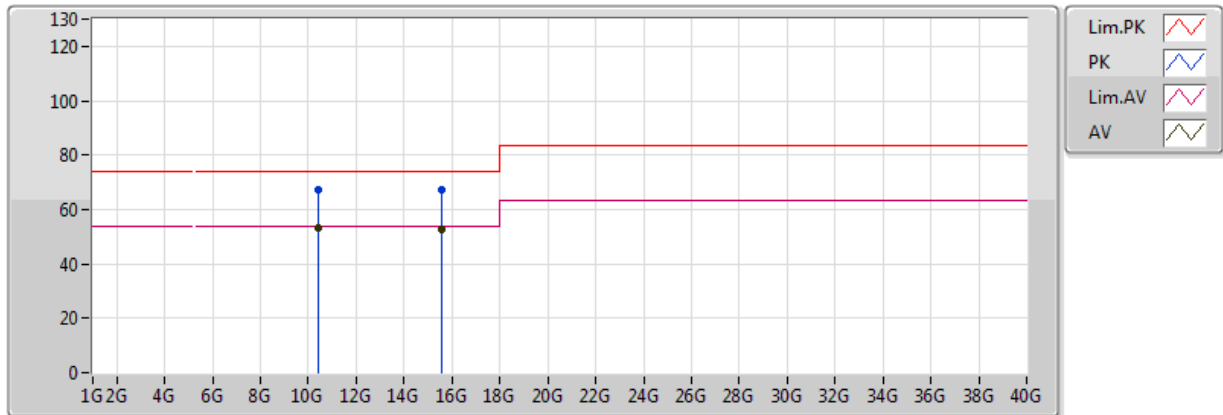


EUT=Z

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	47.67	54.00	-6.33	2.69	3	H	47	2.12	-
AV	5.2024G	102.41	Inf	-Inf	2.75	3	H	47	2.12	-
PK	5.1444G	62.37	74.00	-11.63	2.68	3	H	47	2.12	-
PK	5.2032G	112.28	Inf	-Inf	2.75	3	H	47	2.12	-

802.11a_(6Mbps)_1TX

5200MHz_TX

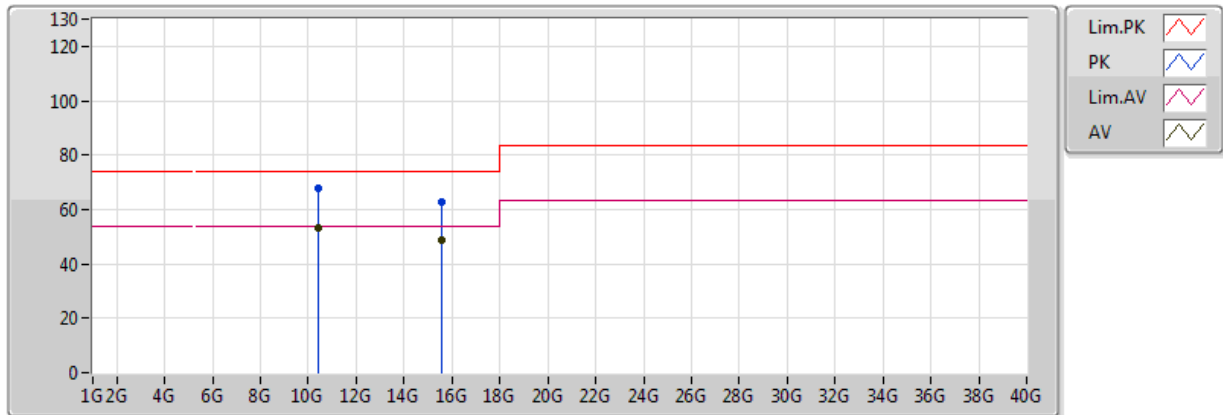


EUT=Z

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	53.31	54.00	-0.69	12.40	3	V	228	1.55	-
AV	15.6G	52.72	54.00	-1.28	13.86	3	V	345	1.43	-
PK	10.4G	67.20	74.00	-6.80	12.40	3	V	228	1.55	-
PK	15.6G	67.12	74.00	-6.88	13.86	3	V	345	1.43	-

802.11a_(6Mbps)_1TX

5200MHz_TX

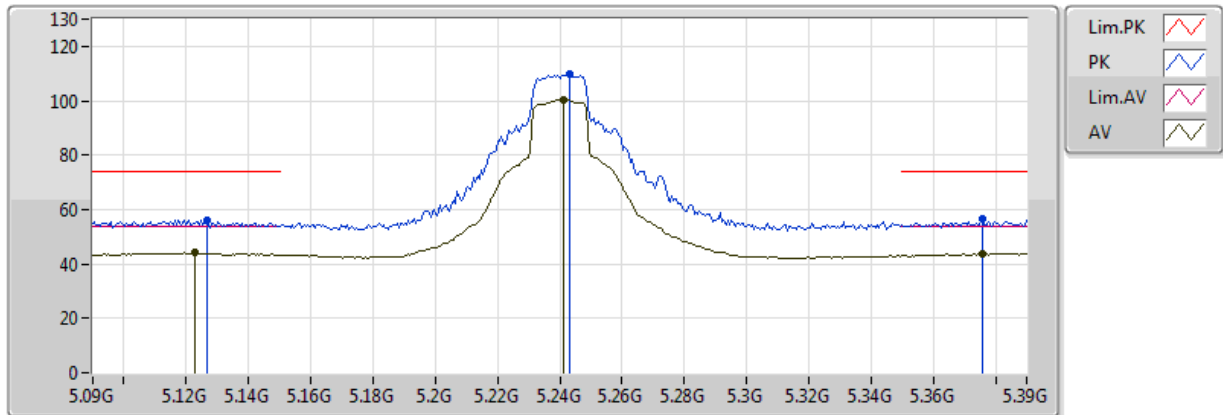


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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	53.35	54.00	-0.65	12.40	3	H	330	1.68	-
AV	15.6G	48.72	54.00	-5.28	13.86	3	H	147	1.98	-
PK	10.4G	67.89	74.00	-6.11	12.40	3	H	330	1.68	-
PK	15.6G	62.82	74.00	-11.18	13.86	3	H	147	1.98	-

802.11a_(6Mbps)_1TX

5240MHz_TX

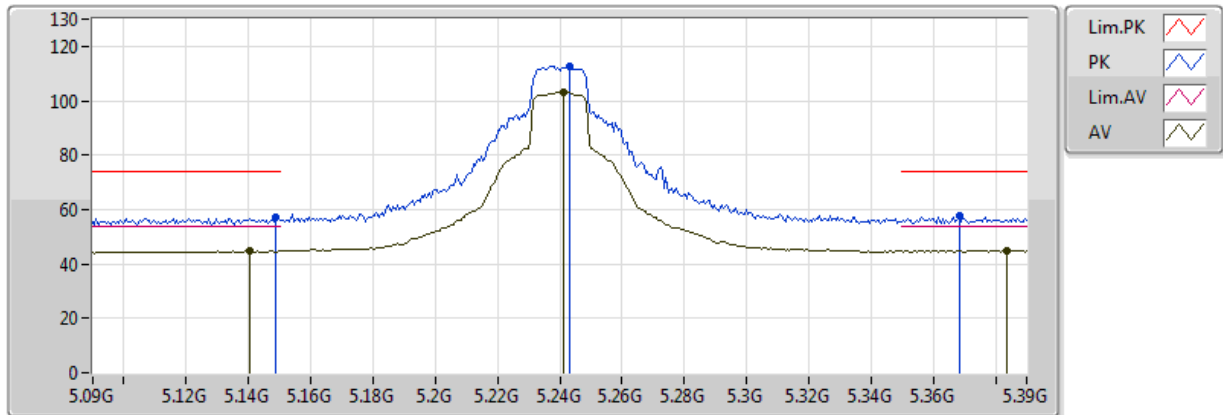


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.123G	44.05	54.00	-9.95	2.66	3	V	14	1.62	-
AV	5.2412G	100.16	Inf	-Inf	2.79	3	V	14	1.62	-
AV	5.3756G	43.78	54.00	-10.22	2.94	3	V	14	1.62	-
PK	5.1266G	56.07	74.00	-17.93	2.66	3	V	14	1.62	-
PK	5.243G	109.70	Inf	-Inf	2.79	3	V	14	1.62	-
PK	5.3756G	56.43	74.00	-17.57	2.94	3	V	14	1.62	-

802.11a_(6Mbps)_1TX

5240MHz_TX

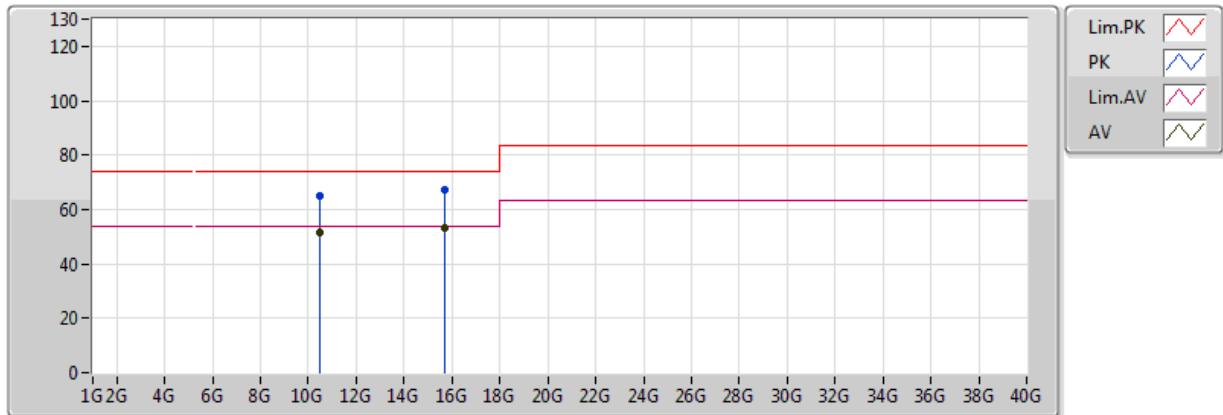


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1404G	44.75	54.00	-9.25	2.68	3	H	3	1.54	-
AV	5.2412G	102.97	Inf	-Inf	2.79	3	H	3	1.54	-
AV	5.3834G	44.96	54.00	-9.04	2.95	3	H	3	1.54	-
PK	5.1488G	57.01	74.00	-16.99	2.69	3	H	3	1.54	-
PK	5.243G	112.66	Inf	-Inf	2.79	3	H	3	1.54	-
PK	5.3684G	57.53	74.00	-16.47	2.93	3	H	3	1.54	-

802.11a_(6Mbps)_1TX

5240MHz_TX

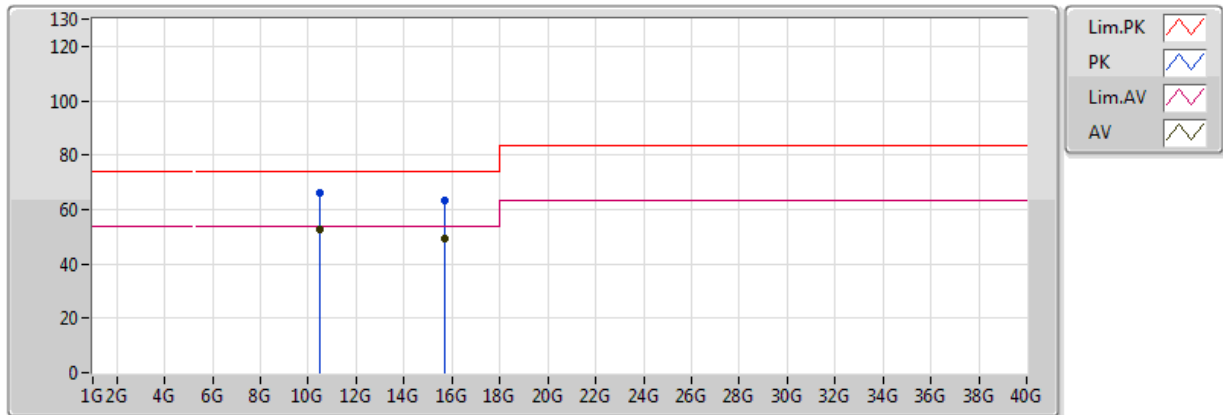


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	51.68	54.00	-2.32	10.46	3	V	228	1.54	-
AV	15.72G	53.14	54.00	-0.86	15.52	3	V	344	1.41	-
PK	10.48G	64.95	74.00	-9.05	10.46	3	V	228	1.54	-
PK	15.72G	67.52	74.00	-6.48	15.52	3	V	344	1.41	-

802.11a_(6Mbps)_1TX

5240MHz_TX

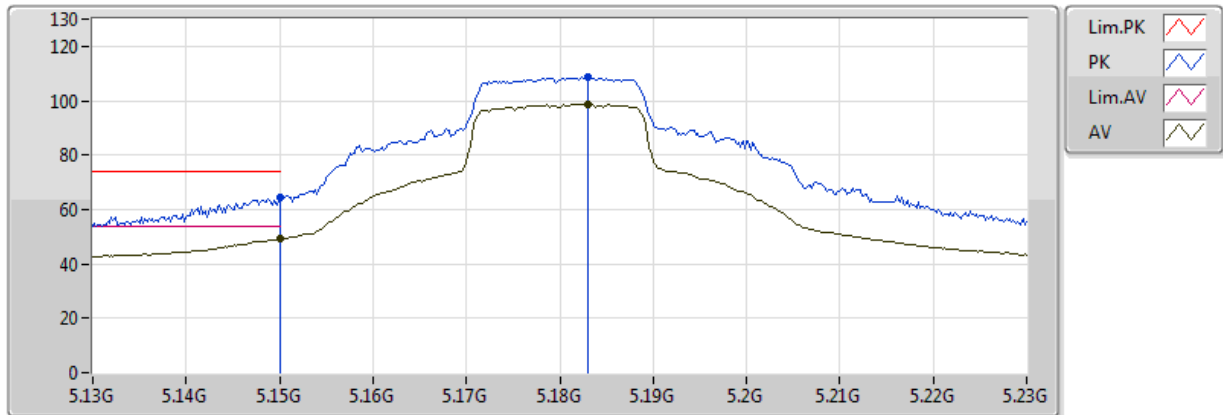


EUT=Z

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	52.61	54.00	-1.39	10.46	3	H	328	1.68	-
AV	15.72G	49.36	54.00	-4.64	15.52	3	H	161	1.98	-
PK	10.48G	65.96	74.00	-8.04	10.46	3	H	328	1.68	-
PK	15.72G	63.59	74.00	-10.41	15.52	3	H	161	1.98	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

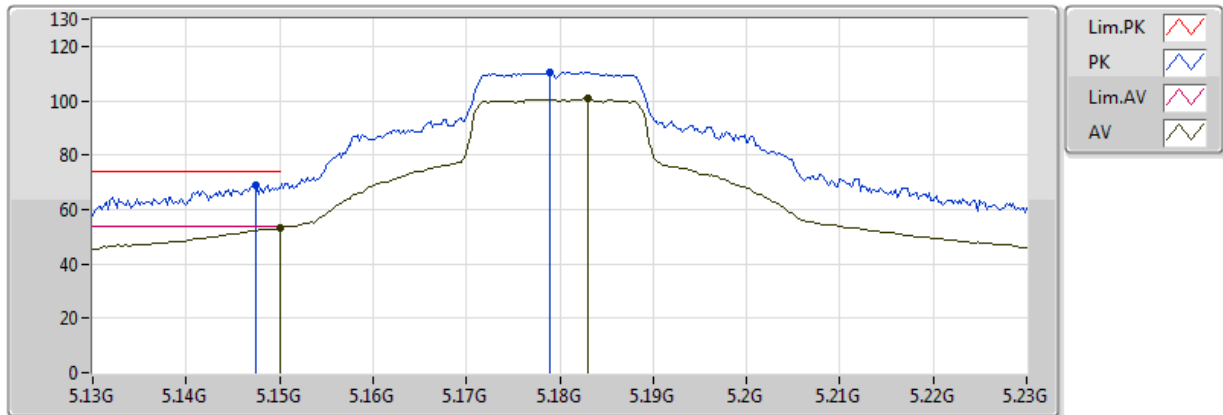


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	49.22	54.00	-4.78	2.69	3	V	138	3.49	-
AV	5.183G	98.79	Inf	-Inf	2.73	3	V	138	3.49	-
PK	5.149995G	64.54	74.00	-9.46	2.69	3	V	138	3.49	-
PK	5.183G	108.49	Inf	-Inf	2.73	3	V	138	3.49	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

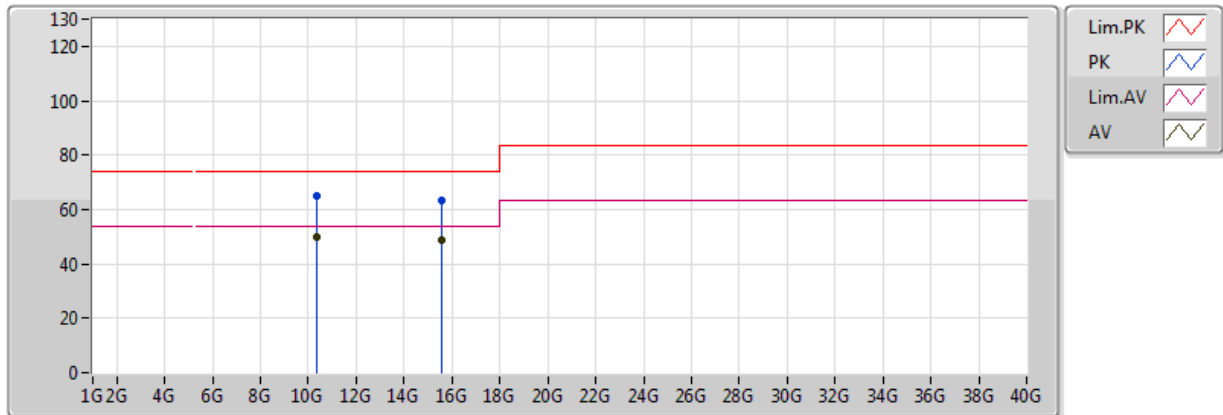


EUT=Z

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	53.10	54.00	-0.90	2.69	3	H	50	1.87	-
AV	5.183G	100.69	Inf	-Inf	2.73	3	H	50	1.87	-
PK	5.1474G	68.67	74.00	-5.33	2.69	3	H	50	1.87	-
PK	5.179G	110.66	Inf	-Inf	2.72	3	H	50	1.87	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

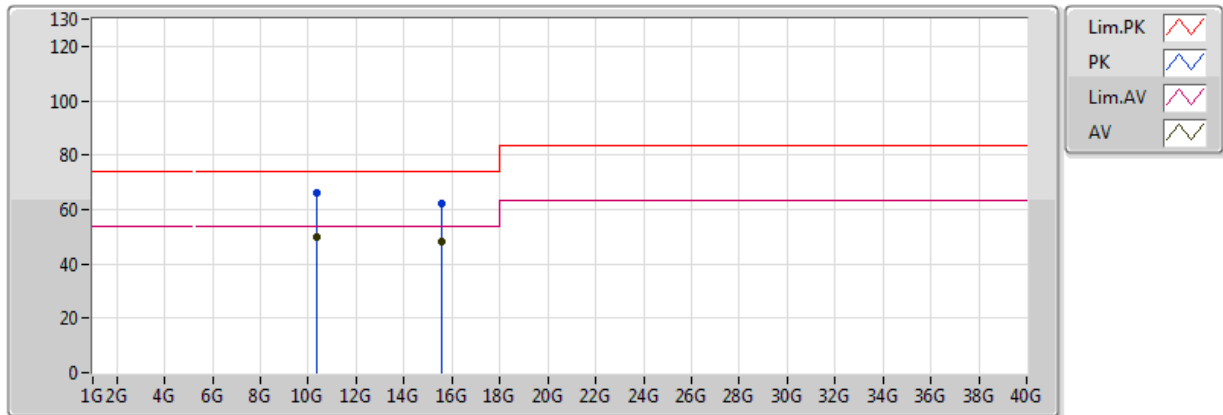


EUT=Z

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	49.62	54.00	-4.38	12.30	3	V	228	1.50	-
AV	15.54G	48.48	54.00	-5.52	14.13	3	V	345	1.42	-
PK	10.36G	65.28	74.00	-8.72	12.30	3	V	228	1.50	-
PK	15.54G	63.12	74.00	-10.88	14.13	3	V	345	1.42	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

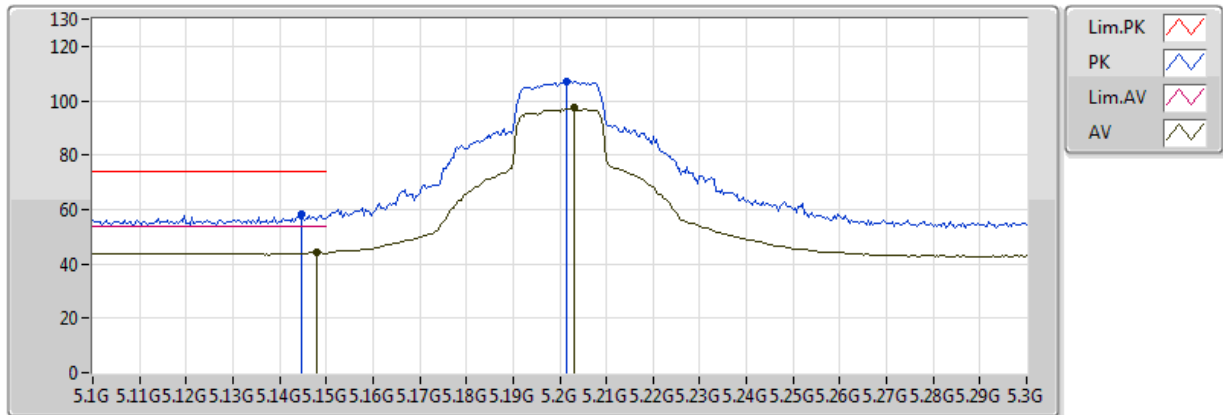


EUT=Z

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	49.96	54.00	-4.04	12.30	3	H	331	1.61	-
AV	15.54G	47.96	54.00	-6.04	14.13	3	H	64	1.67	-
PK	10.36G	66.01	74.00	-7.99	12.30	3	H	331	1.61	-
PK	15.54G	62.20	74.00	-11.80	14.13	3	H	64	1.67	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

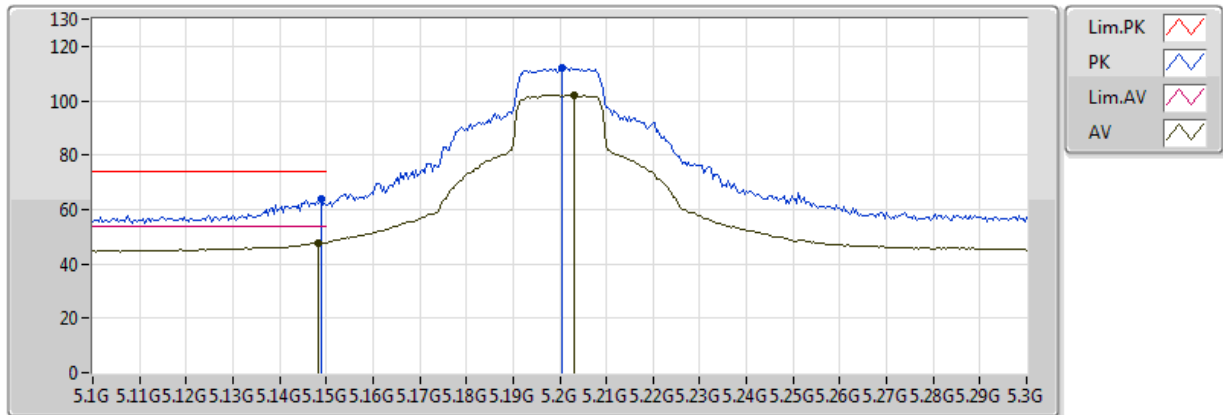


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.2032G	97.24	Inf	-Inf	2.75	3	V	145	3.65	-
AV	5.148G	44.27	54.00	-9.73	2.69	3	V	145	3.65	-
PK	5.2016G	106.90	Inf	-Inf	2.75	3	V	145	3.65	-
PK	5.1448G	58.23	74.00	-15.77	2.68	3	V	145	3.65	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

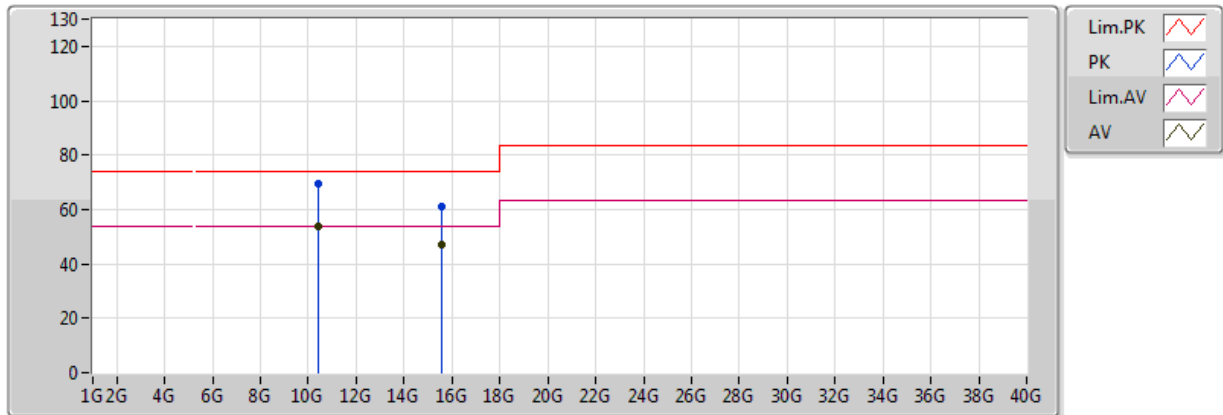


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1484G	47.65	54.00	-6.35	2.69	3	H	53	2.12	-
AV	5.2032G	102.19	Inf	-Inf	2.75	3	H	53	2.12	-
PK	5.1488G	63.64	74.00	-10.36	2.69	3	H	53	2.12	-
PK	5.2004G	112.14	Inf	-Inf	2.75	3	H	53	2.12	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

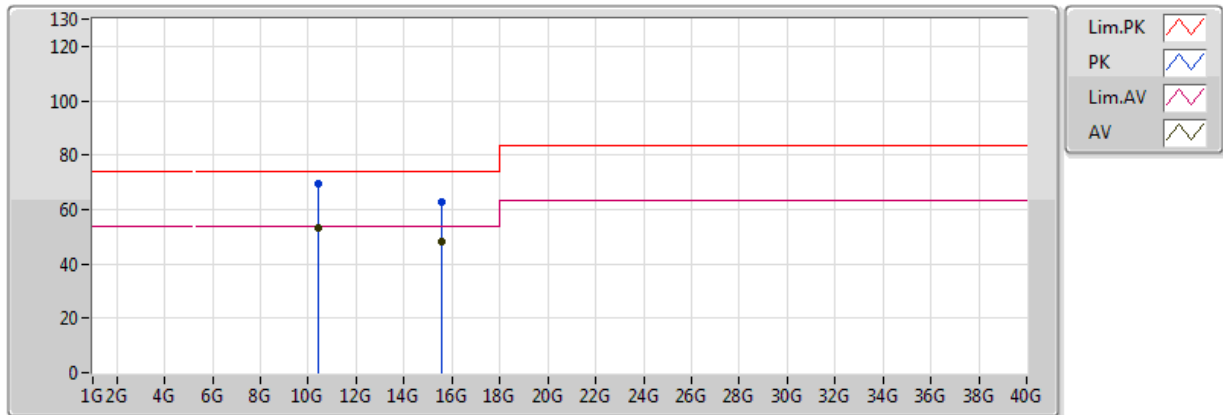


EUT=Z

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	53.54	54.00	-0.46	12.40	3	V	165	1.60	-
AV	15.6G	46.98	54.00	-7.02	13.86	3	V	341	1.48	-
PK	10.4G	69.40	74.00	-4.60	12.40	3	V	165	1.60	-
PK	15.6G	61.33	74.00	-12.67	13.86	3	V	341	1.48	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

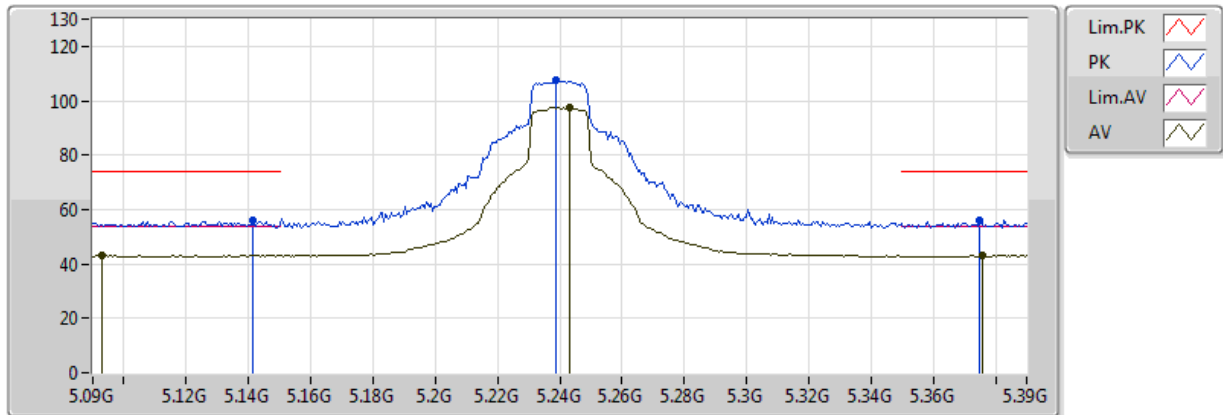


EUT=Z

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	53.40	54.00	-0.60	12.40	3	H	325	1.75	-
AV	15.6G	48.38	54.00	-5.62	13.86	3	H	160	2.28	-
PK	10.4G	69.33	74.00	-4.67	12.40	3	H	325	1.75	-
PK	15.6G	62.99	74.00	-11.01	13.86	3	H	160	2.28	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

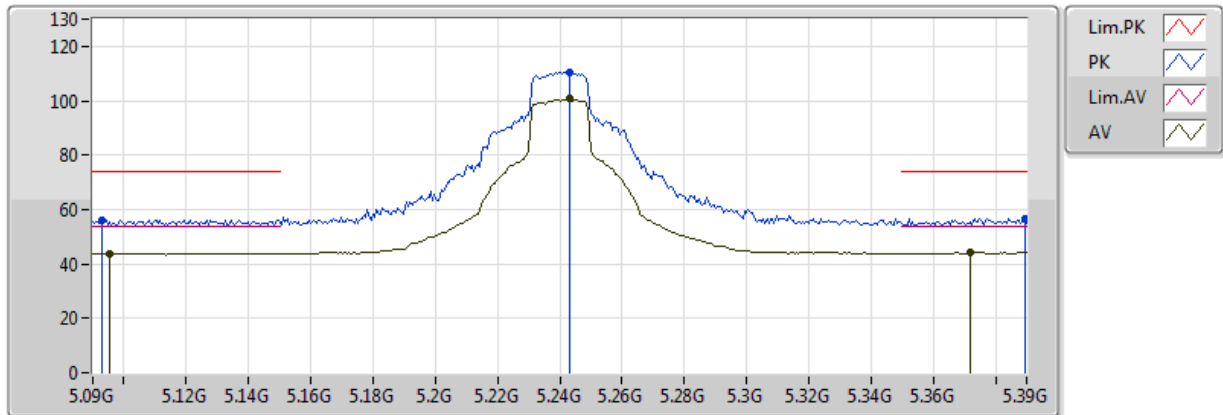


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.243G	97.45	Inf	-Inf	2.79	3	V	131	1.01	-
AV	5.093G	43.07	54.00	-10.93	2.62	3	V	131	1.01	-
AV	5.3756G	43.11	54.00	-10.89	2.94	3	V	131	1.01	-
PK	5.2388G	107.51	Inf	-Inf	2.79	3	V	131	1.01	-
PK	5.1416G	55.89	74.00	-18.11	2.68	3	V	131	1.01	-
PK	5.375G	55.85	74.00	-18.15	2.94	3	V	131	1.01	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

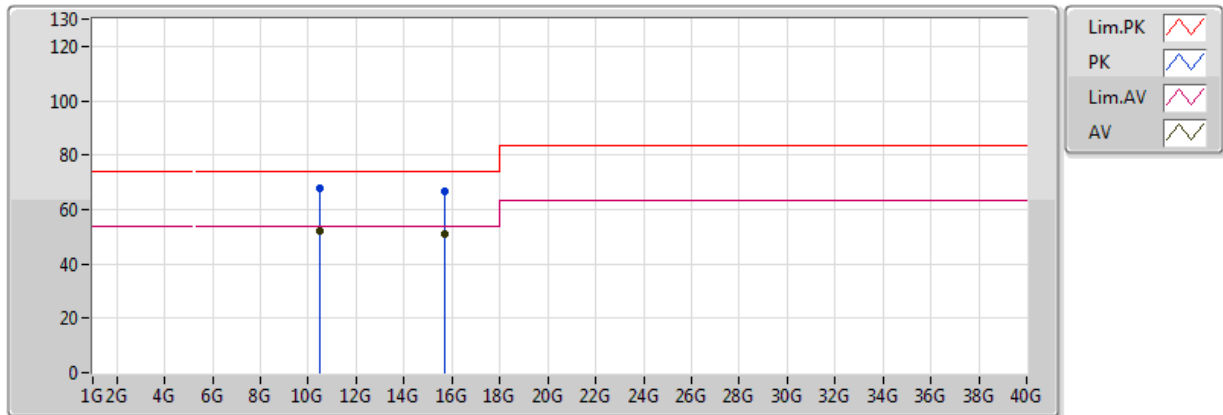


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.243G	100.78	Inf	-Inf	2.79	3	H	329	2.93	-
AV	5.0954G	43.92	54.00	-10.08	2.62	3	H	329	2.93	-
AV	5.372G	44.23	54.00	-9.77	2.94	3	H	329	2.93	-
PK	5.243G	110.57	Inf	-Inf	2.79	3	H	329	2.93	-
PK	5.093G	56.09	74.00	-17.91	2.62	3	H	329	2.93	-
PK	5.3894G	56.59	74.00	-17.41	2.96	3	H	329	2.93	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

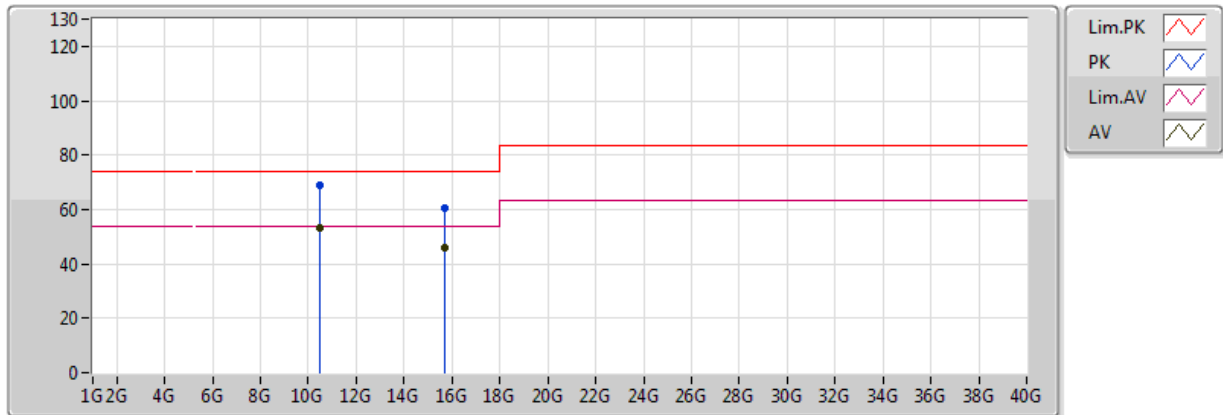


EUT=Z

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	52.29	54.00	-1.71	12.60	3	V	165	1.47	-
AV	15.72G	51.19	54.00	-2.81	13.31	3	V	341	1.46	-
PK	10.48G	67.56	74.00	-6.44	12.60	3	V	165	1.47	-
PK	15.72G	66.42	74.00	-7.58	13.31	3	V	341	1.46	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

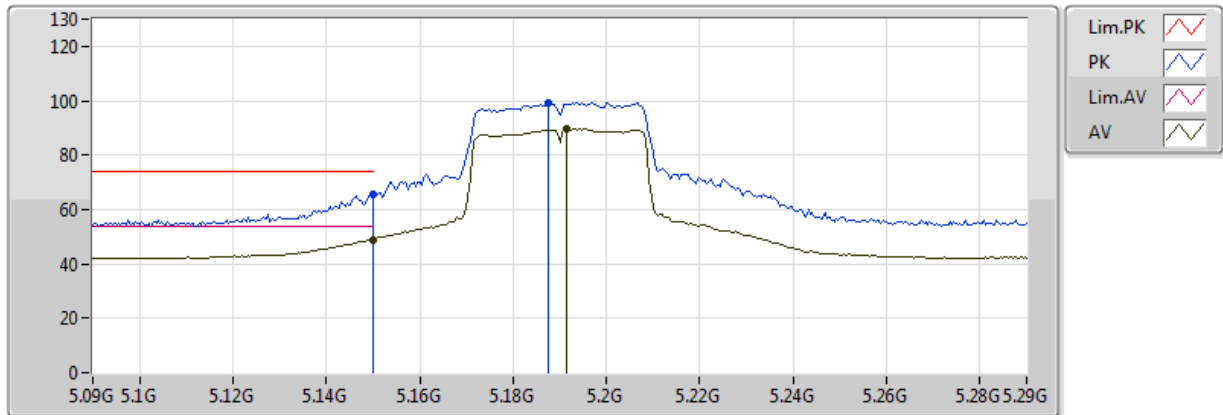


EUT=Z

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	53.26	54.00	-0.74	12.60	3	H	327	1.75	-
AV	15.72G	45.79	54.00	-8.21	13.31	3	H	38	1.50	-
PK	10.48G	69.01	74.00	-4.99	12.60	3	H	327	1.75	-
PK	15.72G	60.45	74.00	-13.55	13.31	3	H	38	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5190MHz_TX

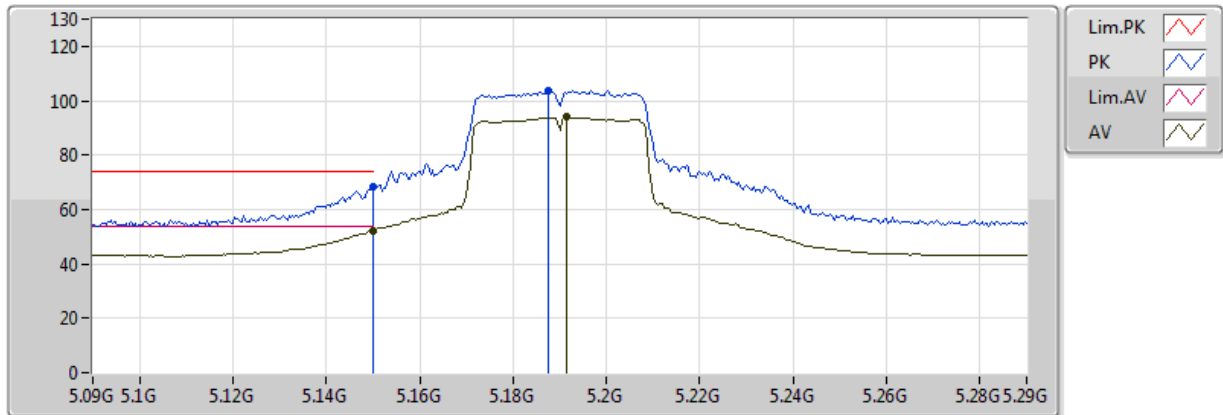


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1916G	89.51	Inf	-Inf	2.74	3	V	133	1.08	-
AV	5.149995G	49.01	54.00	-4.99	2.69	3	V	133	1.08	-
PK	5.1876G	99.43	Inf	-Inf	2.74	3	V	133	1.08	-
PK	5.149995G	65.76	74.00	-8.24	2.69	3	V	133	1.08	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5190MHz_TX

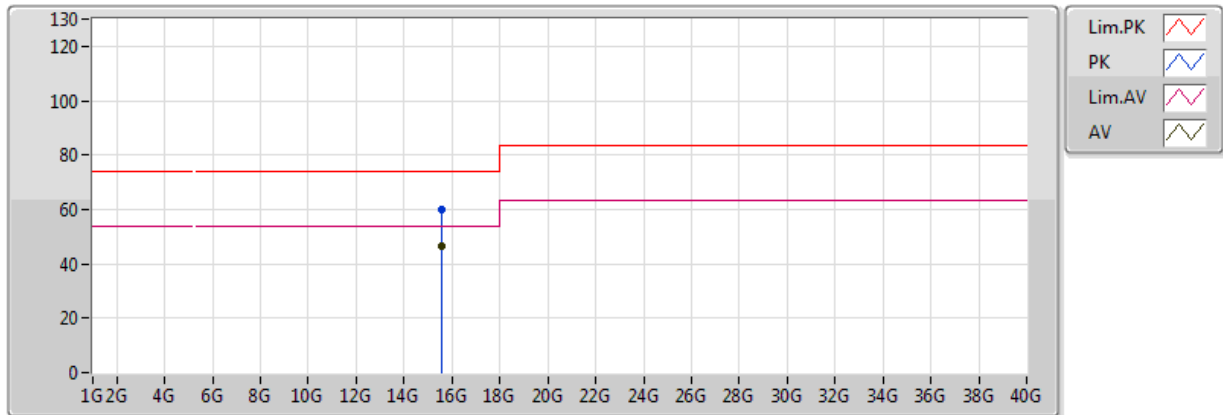


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1916G	93.87	Inf	-Inf	2.74	3	H	58	3.12	-
AV	5.149995G	52.23	54.00	-1.77	2.69	3	H	58	3.12	-
PK	5.1876G	103.76	Inf	-Inf	2.74	3	H	58	3.12	-
PK	5.149995G	68.29	74.00	-5.71	2.69	3	H	58	3.12	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5190MHz_TX

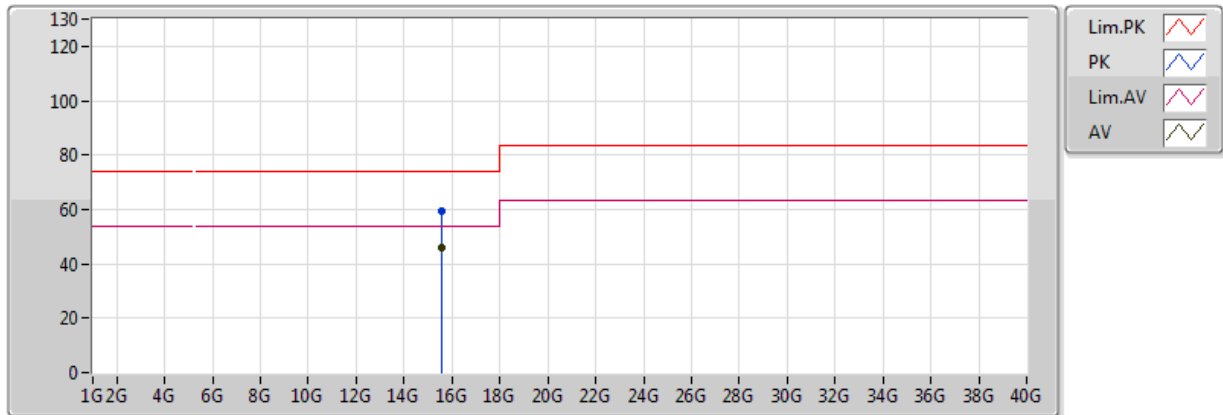


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.57G	46.41	54.00	-7.59	14.00	3	V	341	1.50	-
PK	15.57G	60.13	74.00	-13.87	14.00	3	V	341	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5190MHz_TX

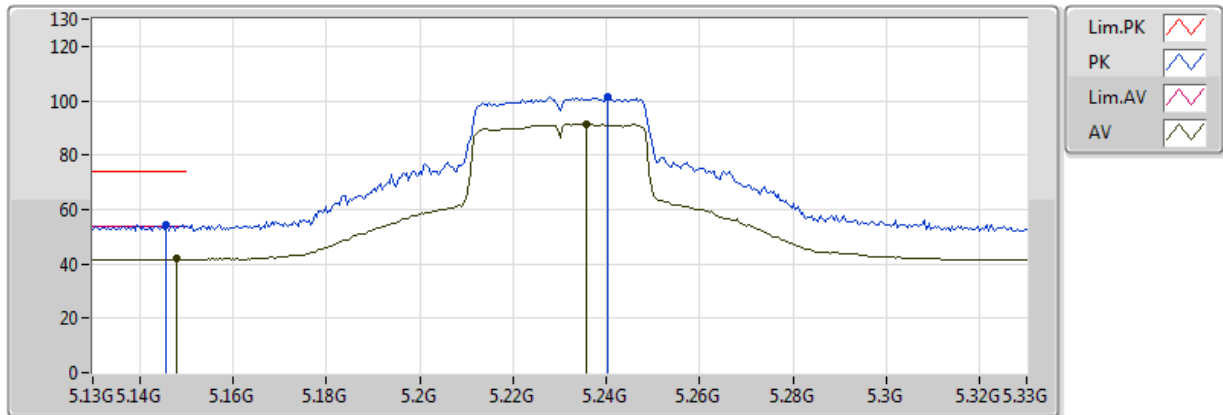


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.57G	45.77	54.00	-8.23	14.00	3	H	19	1.07	-
PK	15.57G	59.16	74.00	-14.84	14.00	3	H	19	1.07	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5230MHz_TX

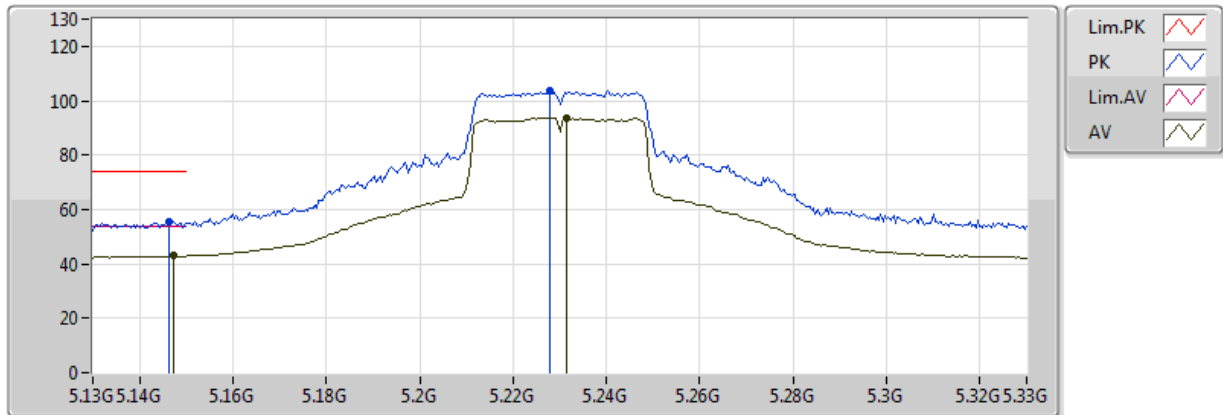


EUT=Z

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	41.79	54.00	-12.21	2.69	3	V	148	2.97	-
AV	5.2356G	91.42	Inf	-Inf	2.79	3	V	148	2.97	-
PK	5.1456G	54.34	74.00	-19.66	2.68	3	V	148	2.97	-
PK	5.2404G	101.68	Inf	-Inf	2.79	3	V	148	2.97	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5230MHz_TX

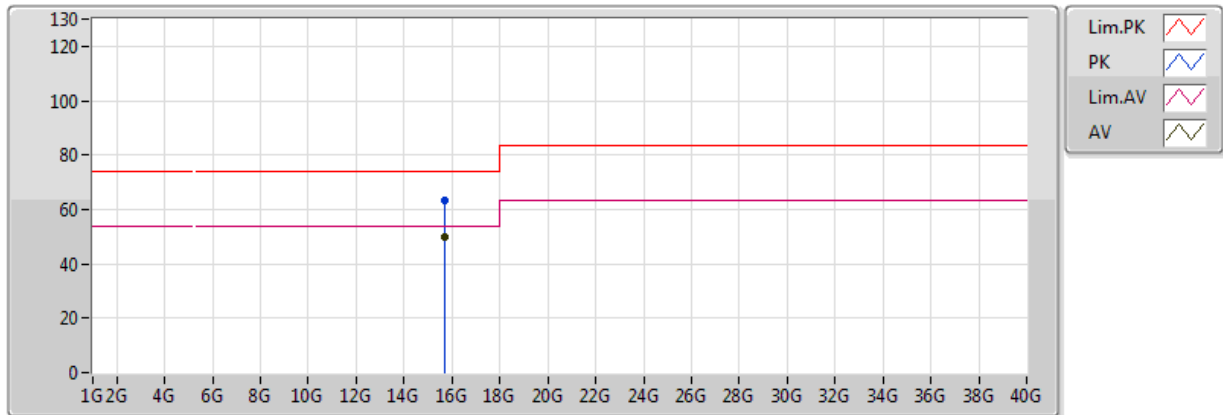


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1472G	42.91	54.00	-11.09	2.69	3	H	332	2.24	-
AV	5.2316G	93.61	Inf	-Inf	2.78	3	H	332	2.24	-
PK	5.1464G	55.41	74.00	-18.59	2.69	3	H	332	2.24	-
PK	5.228G	103.90	Inf	-Inf	2.78	3	H	332	2.24	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5230MHz_TX

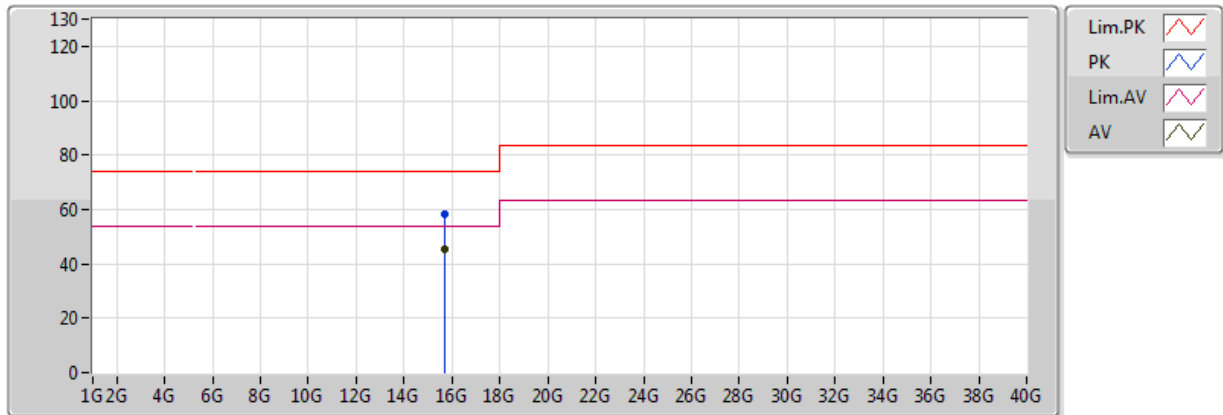


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.69G	49.81	54.00	-4.19	13.45	3	V	343	1.49	-
PK	15.69G	63.15	74.00	-10.85	13.45	3	V	343	1.49	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5230MHz_TX

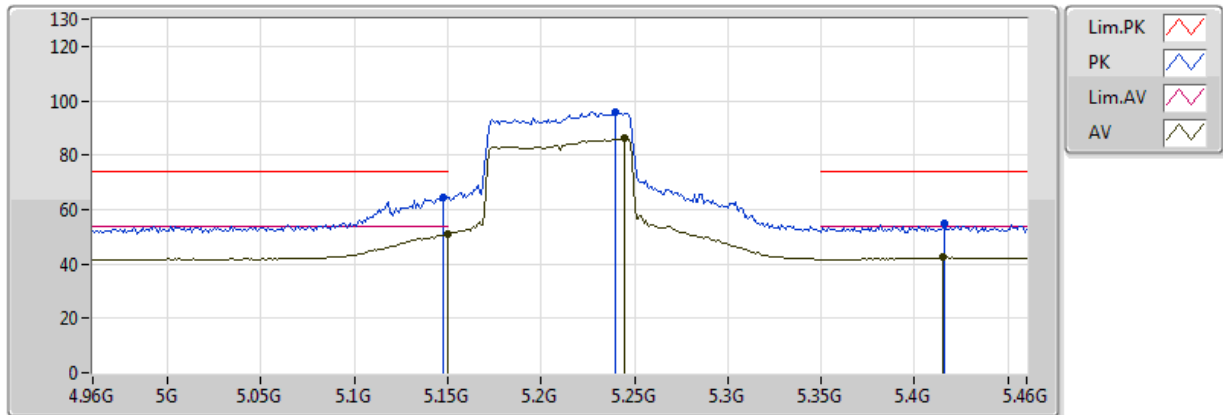


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.69G	45.34	54.00	-8.66	13.45	3	H	39	1.50	-
PK	15.69G	58.43	74.00	-15.57	13.45	3	H	39	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

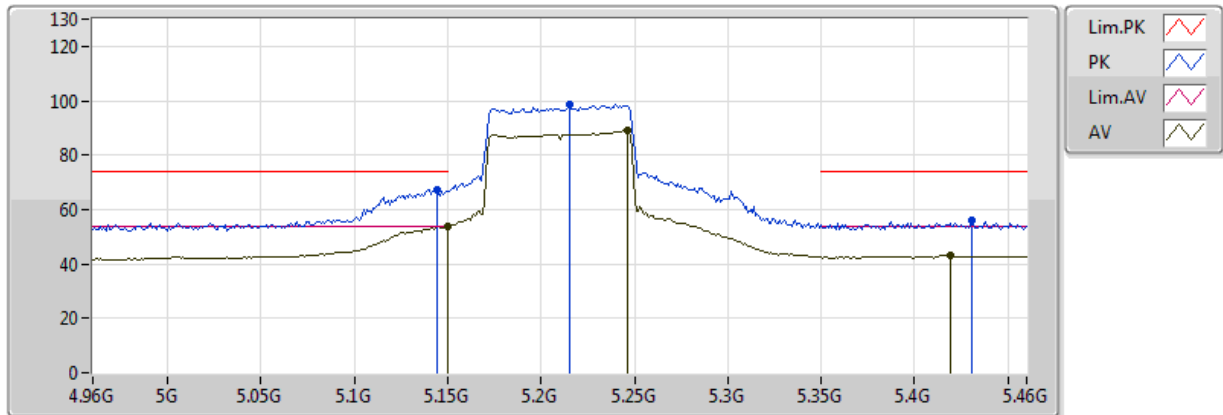


EUT=Z

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	51.23	54.00	-2.77	2.69	3	V	144	2.94	-
AV	5.245G	86.12	Inf	-Inf	2.80	3	V	144	2.94	-
AV	5.415G	42.42	54.00	-11.58	2.99	3	V	144	2.94	-
PK	5.148G	64.45	74.00	-9.55	2.69	3	V	144	2.94	-
PK	5.24G	96.08	Inf	-Inf	2.79	3	V	144	2.94	-
PK	5.416G	54.80	74.00	-19.20	2.99	3	V	144	2.94	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

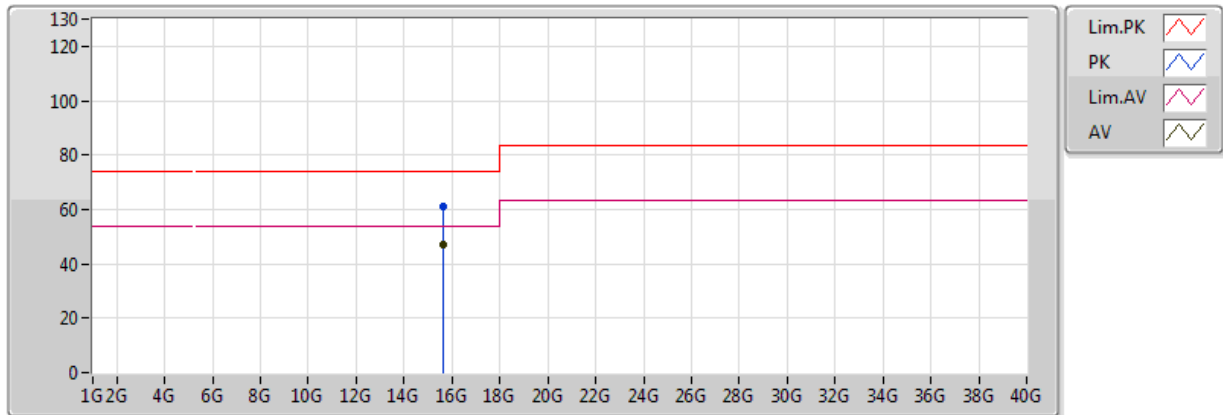


EUT=Z

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	53.71	54.00	-0.29	2.69	3	H	326	2.00	-
AV	5.246G	88.97	Inf	-Inf	2.80	3	H	326	2.00	-
AV	5.419G	43.17	54.00	-10.83	2.99	3	H	326	2.00	-
PK	5.144G	67.44	74.00	-6.56	2.68	3	H	326	2.00	-
PK	5.215G	98.54	Inf	-Inf	2.77	3	H	326	2.00	-
PK	5.431G	55.77	74.00	-18.23	3.00	3	H	326	2.00	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

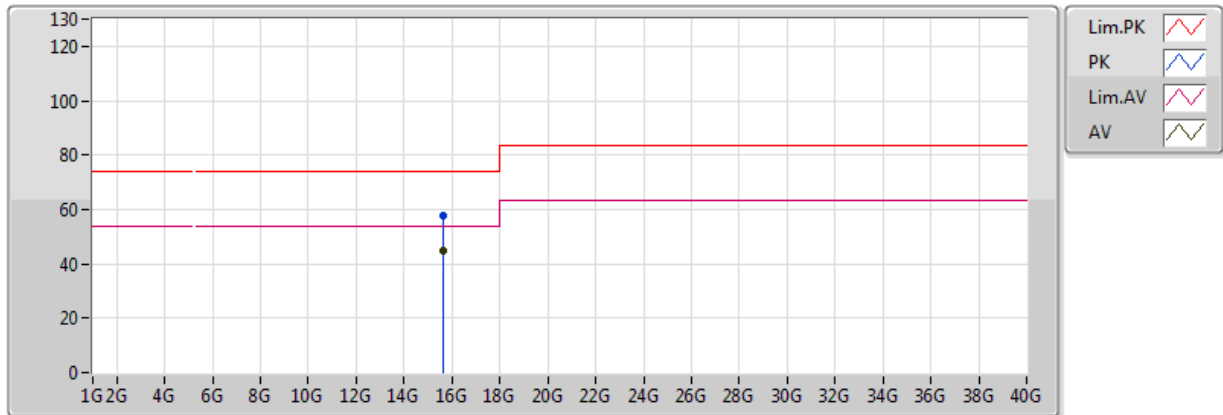


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.63G	47.33	54.00	-6.67	13.72	3	V	343	1.50	-
PK	15.63G	61.20	74.00	-12.80	13.72	3	V	343	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

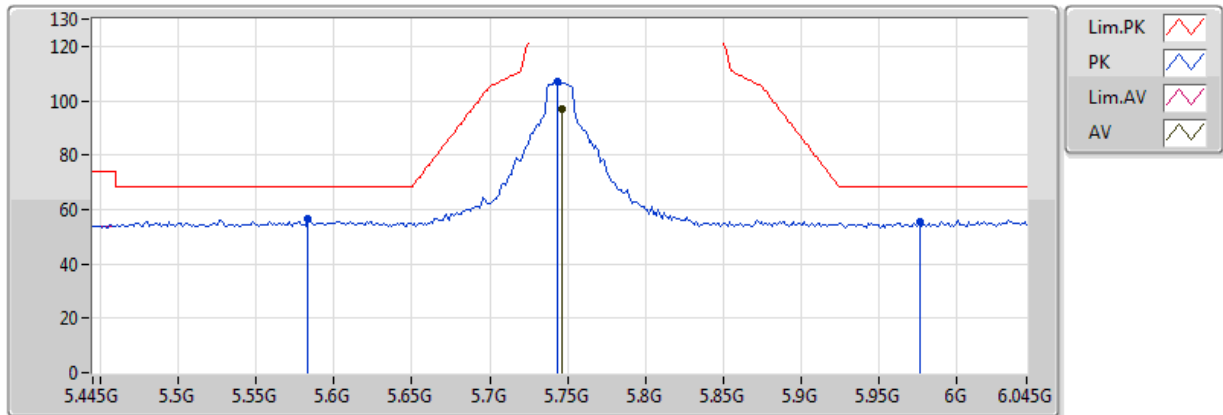


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.63G	44.60	54.00	-9.40	13.72	3	H	39	1.50	-
PK	15.63G	57.93	74.00	-16.07	13.72	3	H	39	1.50	-

802.11a_(6Mbps)_1TX

5745MHz_TX

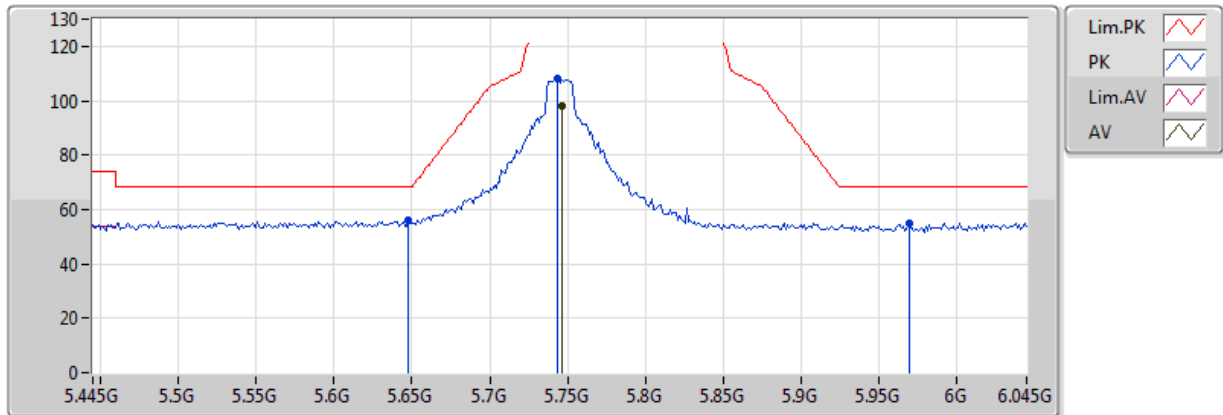


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7462G	96.83	Inf	-Inf	3.54	3	V	172	2.91	-
PK	5.583G	56.44	68.20	-11.76	3.24	3	V	172	2.91	-
PK	5.7438G	107.00	Inf	-Inf	3.54	3	V	172	2.91	-
PK	5.9766G	55.41	68.20	-12.79	3.98	3	V	172	2.91	-

802.11a_(6Mbps)_1TX

5745MHz_TX

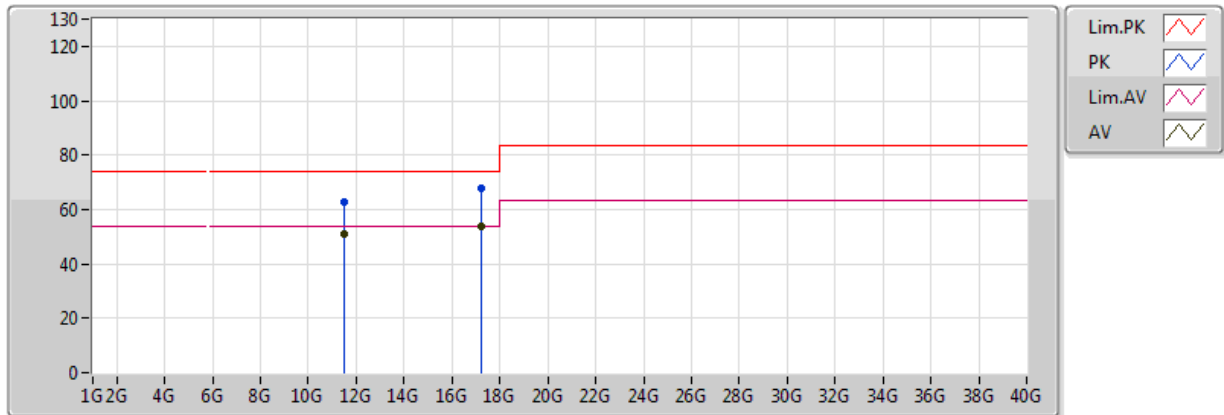


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7462G	98.34	Inf	-Inf	3.54	3	H	329	2.57	-
PK	5.6478G	55.90	68.20	-12.30	3.36	3	H	329	2.57	-
PK	5.7438G	108.39	Inf	-Inf	3.54	3	H	329	2.57	-
PK	5.9694G	55.16	68.20	-13.04	3.96	3	H	329	2.57	-

802.11a_(6Mbps)_1TX

5745MHz_TX

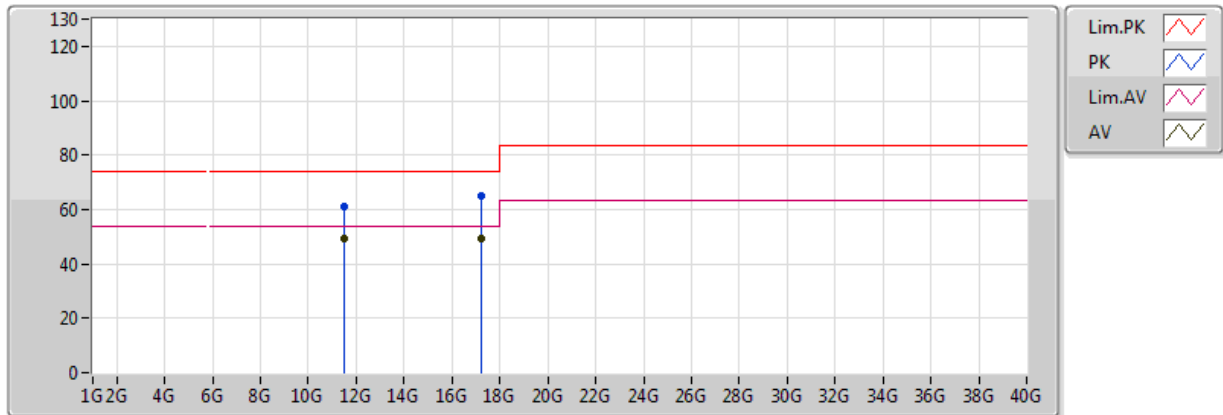


EUT=Z

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	51.18	54.00	-2.82	13.26	3	V	94	2.12	-
AV	17.235G	53.58	54.00	-0.42	18.10	3	V	92	1.60	-
PK	11.49G	62.86	74.00	-11.14	13.26	3	V	94	2.12	-
PK	17.235G	67.60	74.00	-6.40	18.10	3	V	92	1.60	-

802.11a_(6Mbps)_1TX

5745MHz_TX

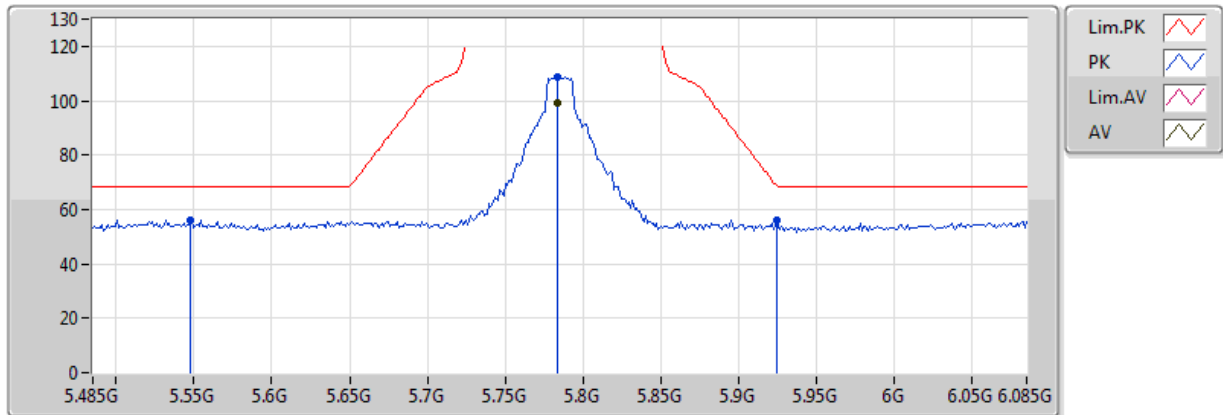


EUT=Z

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	49.21	54.00	-4.79	13.26	3	H	329	2.57	-
AV	17.235G	49.54	54.00	-4.46	18.10	3	H	46	1.48	-
PK	11.49G	61.05	74.00	-12.95	13.26	3	H	329	2.57	-
PK	17.235G	64.98	74.00	-9.02	18.10	3	H	46	1.48	-

802.11a_(6Mbps)_1TX

5785MHz_TX

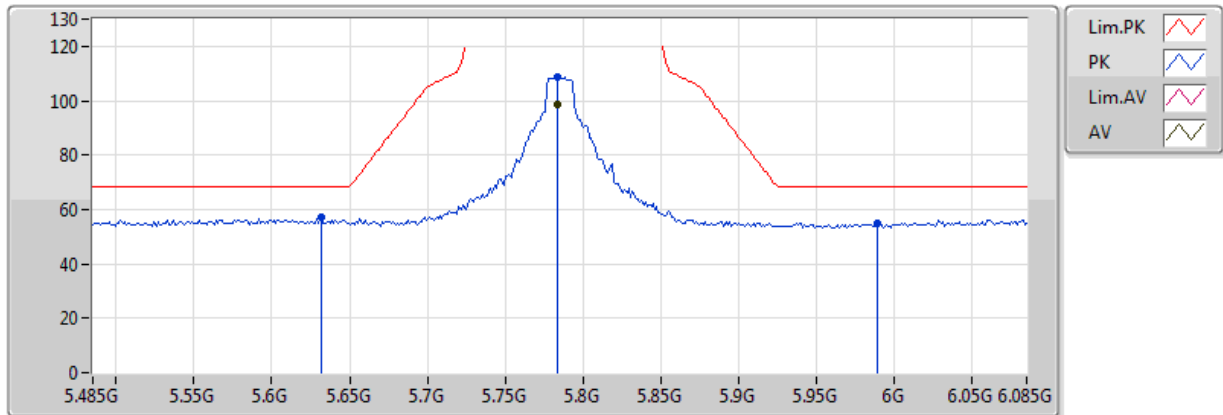


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7838G	99.11	Inf	-Inf	3.62	3	V	226	3.55	-
PK	5.5474G	56.27	68.20	-11.93	3.17	3	V	226	3.55	-
PK	5.7838G	108.86	Inf	-Inf	3.62	3	V	226	3.55	-
PK	5.9242G	55.76	68.79	-13.03	3.88	3	V	226	3.55	-

802.11a_(6Mbps)_1TX

5785MHz_TX

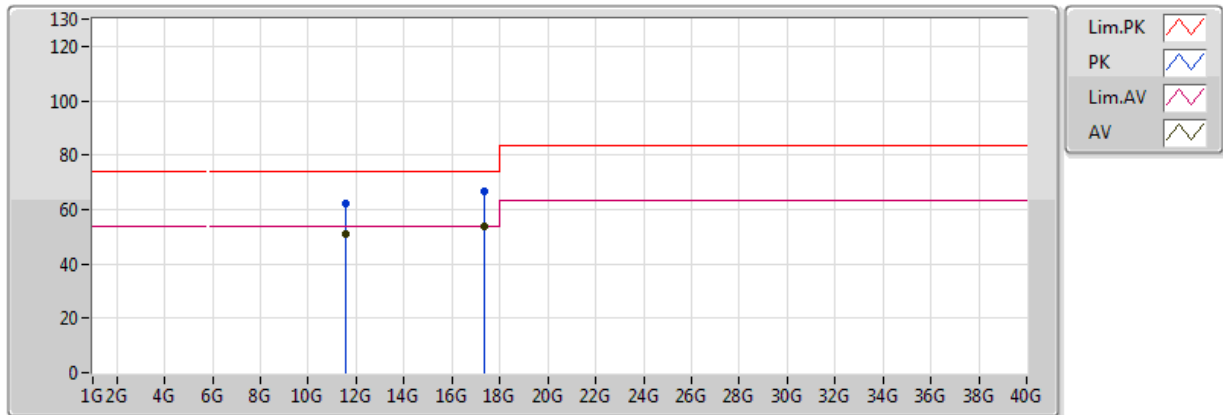


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7838G	98.83	Inf	-Inf	3.62	3	H	323	2.18	-
PK	5.6314G	56.97	68.20	-11.23	3.33	3	H	323	2.18	-
PK	5.7838G	108.92	Inf	-Inf	3.62	3	H	323	2.18	-
PK	5.989G	54.99	68.20	-13.21	4.00	3	H	323	2.18	-

802.11a_(6Mbps)_1TX

5785MHz_TX

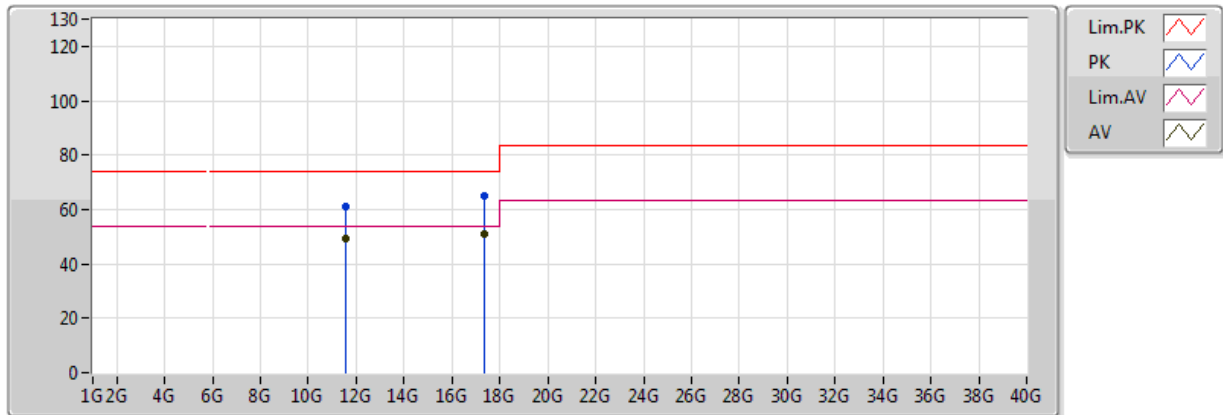


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	50.84	54.00	-3.16	13.16	3	V	92	2.19	-
AV	17.355G	53.65	54.00	-0.35	18.89	3	V	0	1.54	-
PK	11.57G	62.45	74.00	-11.55	13.16	3	V	92	2.19	-
PK	17.355G	66.92	74.00	-7.08	18.89	3	V	0	1.54	-

802.11a_(6Mbps)_1TX

5785MHz_TX

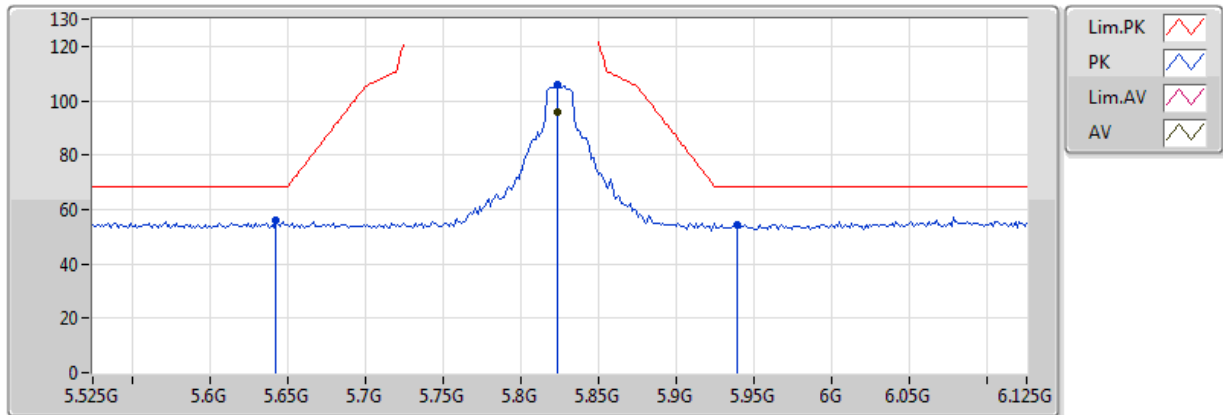


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	49.37	54.00	-4.63	13.16	3	H	331	1.61	-
AV	17.355G	50.98	54.00	-3.02	18.89	3	H	338	1.60	-
PK	11.57G	61.24	74.00	-12.76	13.16	3	H	331	1.61	-
PK	17.355G	64.79	74.00	-9.21	18.89	3	H	338	1.60	-

802.11a_(6Mbps)_1TX

5825MHz_TX

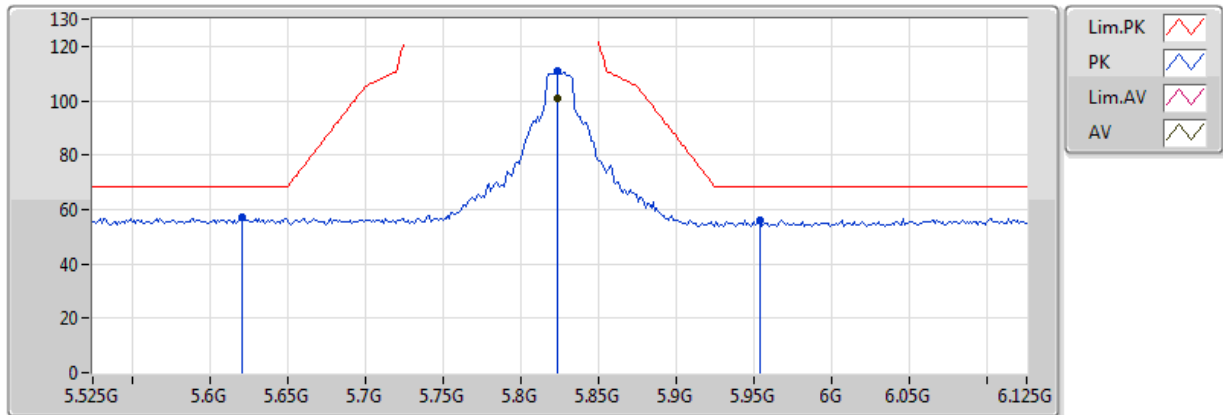


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8238G	95.85	Inf	-Inf	3.69	3	V	147	2.40	-
PK	5.6426G	55.81	68.20	-12.39	3.35	3	V	147	2.40	-
PK	5.8238G	105.84	Inf	-Inf	3.69	3	V	147	2.40	-
PK	5.939G	54.56	68.20	-13.64	3.90	3	V	147	2.40	-

802.11a_(6Mbps)_1TX

5825MHz_TX

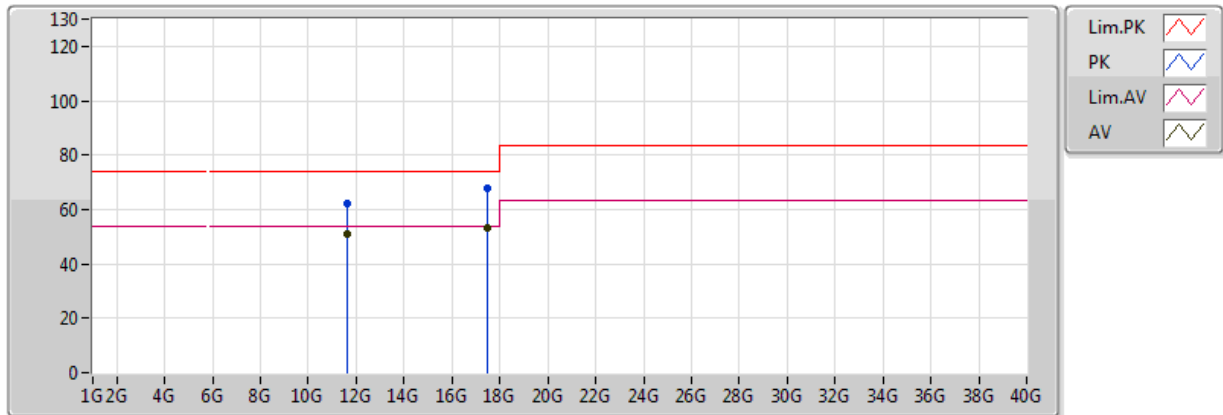


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8238G	100.99	Inf	-Inf	3.69	3	H	67	2.79	-
PK	5.621G	57.08	68.20	-11.12	3.31	3	H	67	2.79	-
PK	5.8238G	110.93	Inf	-Inf	3.69	3	H	67	2.79	-
PK	5.9534G	55.93	68.20	-12.27	3.93	3	H	67	2.79	-

802.11a_(6Mbps)_1TX

5825MHz_TX

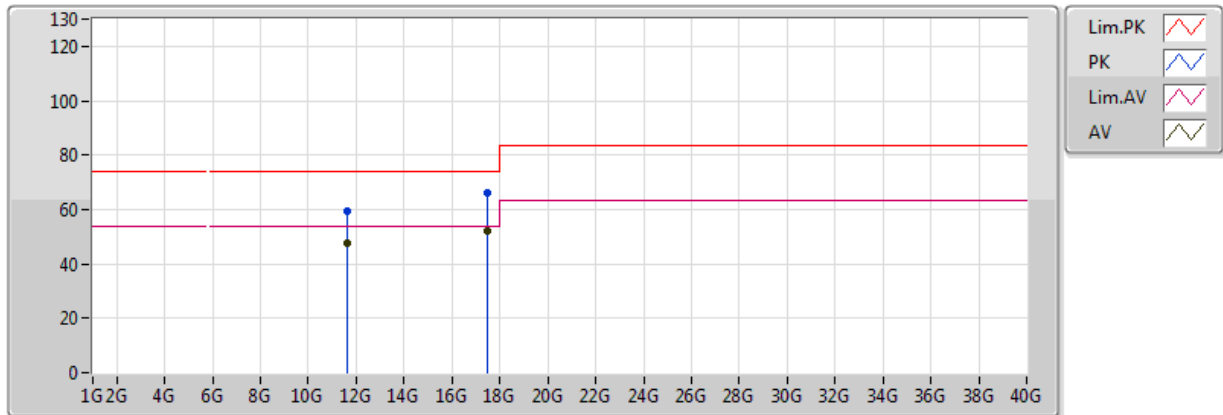


EUT=Z

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	51.11	54.00	-2.89	13.05	3	V	94	2.25	-
AV	17.475G	53.25	54.00	-0.75	19.68	3	V	27	1.54	-
PK	11.65G	62.19	74.00	-11.81	13.05	3	V	94	2.25	-
PK	17.475G	67.77	74.00	-6.23	19.68	3	V	27	1.54	-

802.11a_(6Mbps)_1TX

5825MHz_TX

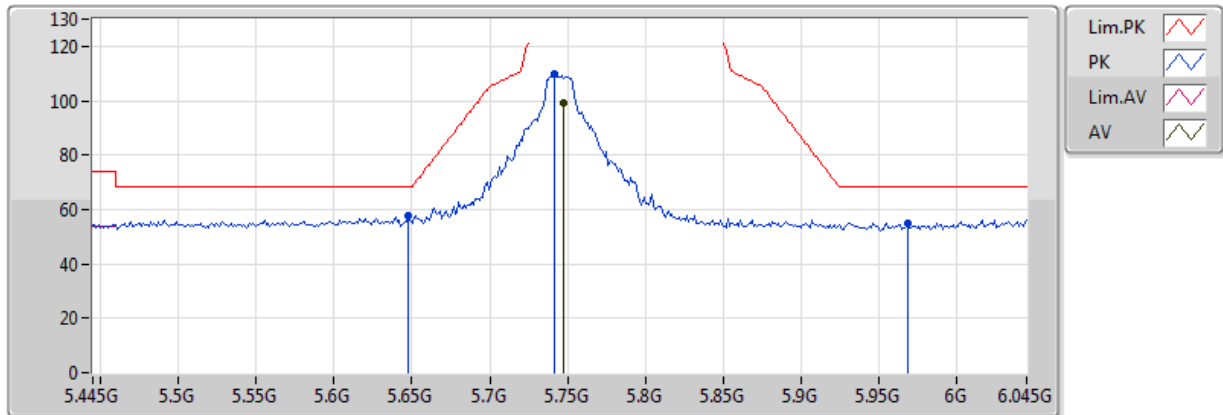


EUT=Z

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	47.89	54.00	-6.11	13.05	3	H	331	1.60	-
AV	17.475G	52.10	54.00	-1.90	19.68	3	H	337	1.63	-
PK	11.65G	59.15	74.00	-14.85	13.05	3	H	331	1.60	-
PK	17.475G	66.15	74.00	-7.85	19.68	3	H	337	1.63	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5745MHz_TX

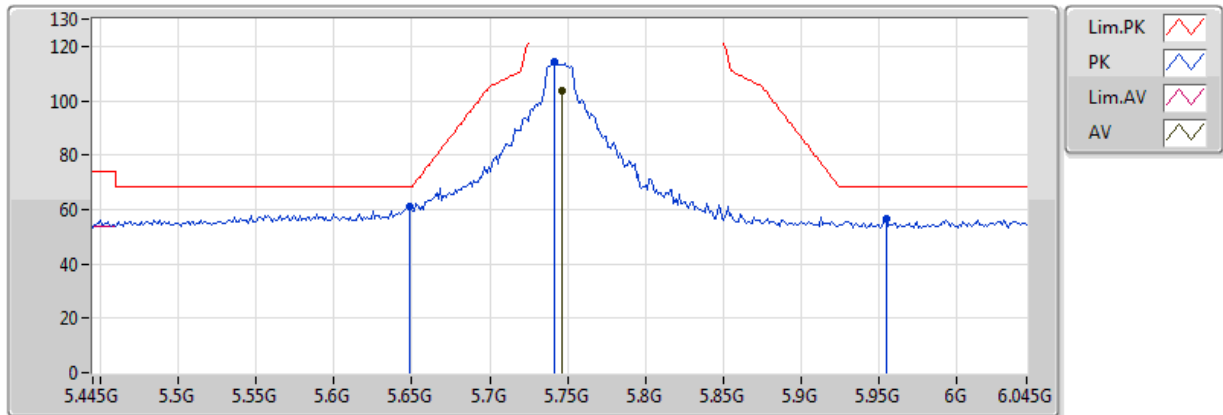


EUT=Z

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	99.33	Inf	-Inf	3.54	3	V	154	3.18	-
PK	5.6478G	57.49	68.20	-10.71	3.36	3	V	154	3.18	-
PK	5.7414G	109.66	Inf	-Inf	3.53	3	V	154	3.18	-
PK	5.9682G	55.13	68.20	-13.07	3.96	3	V	154	3.18	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5745MHz_TX

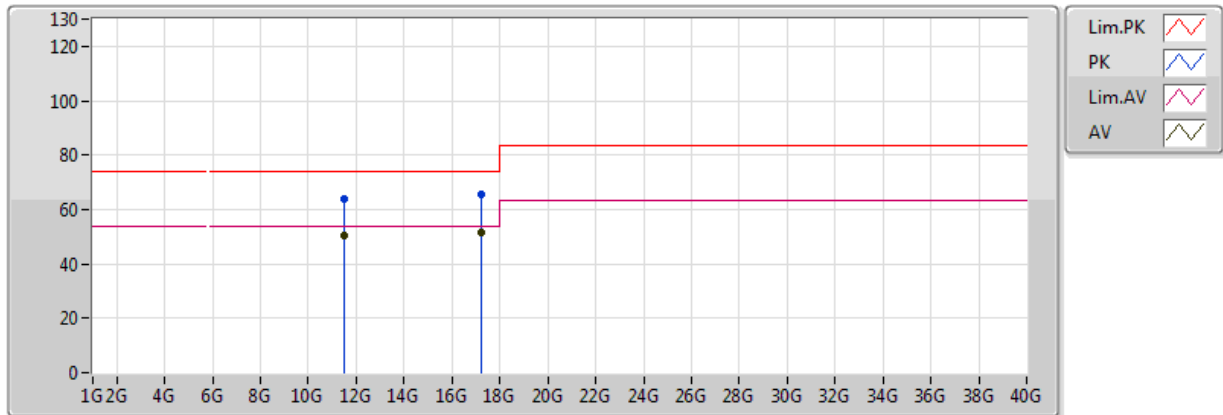


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7462G	103.63	Inf	-Inf	3.54	3	H	61	2.87	-
PK	5.649G	61.00	68.20	-7.20	3.36	3	H	61	2.87	-
PK	5.7414G	114.31	Inf	-Inf	3.53	3	H	61	2.87	-
PK	5.955G	56.36	68.20	-11.84	3.93	3	H	61	2.87	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5745MHz_TX

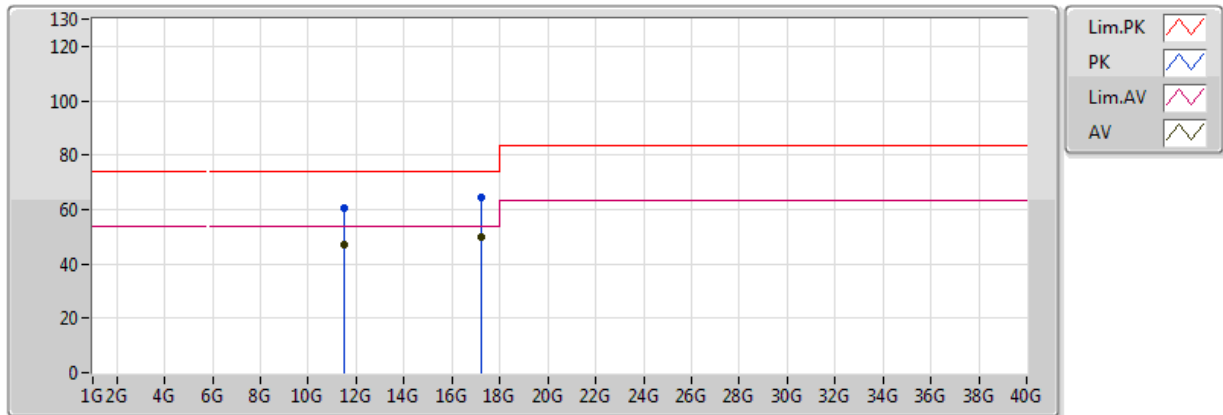


EUT=Z

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	50.37	54.00	-3.63	13.26	3	V	93	2.24	-
AV	17.235G	51.44	54.00	-2.56	18.10	3	V	93	2.24	-
PK	11.49G	63.81	74.00	-10.19	13.26	3	V	93	2.24	-
PK	17.235G	65.30	74.00	-8.70	18.10	3	V	93	2.24	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5745MHz_TX

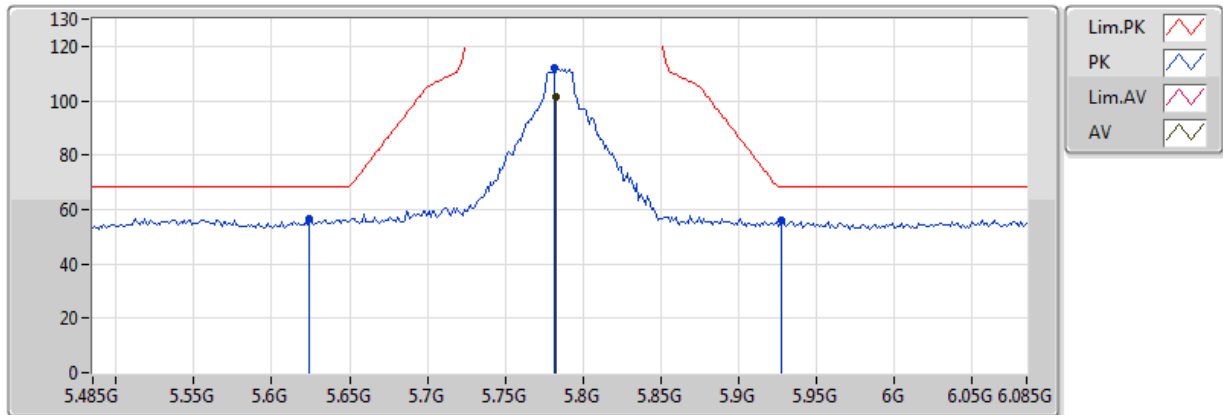


EUT=Z

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	47.25	54.00	-6.75	13.26	3	H	330	1.70	-
AV	17.235G	49.77	54.00	-4.23	18.10	3	H	46	1.35	-
PK	11.49G	60.66	74.00	-13.34	13.26	3	H	330	1.70	-
PK	17.235G	64.49	74.00	-9.51	18.10	3	H	46	1.35	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5785MHz_TX

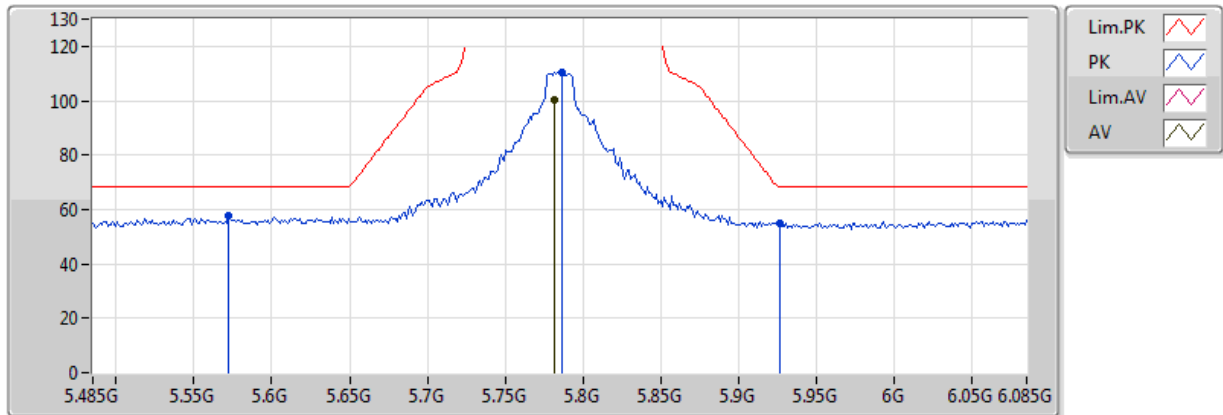


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7826G	101.40	Inf	-Inf	3.62	3	V	224	3.56	-
PK	5.6242G	56.87	68.20	-11.33	3.31	3	V	224	3.56	-
PK	5.7814G	111.95	Inf	-Inf	3.61	3	V	224	3.56	-
PK	5.9278G	56.13	68.20	-12.07	3.88	3	V	224	3.56	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5785MHz_TX

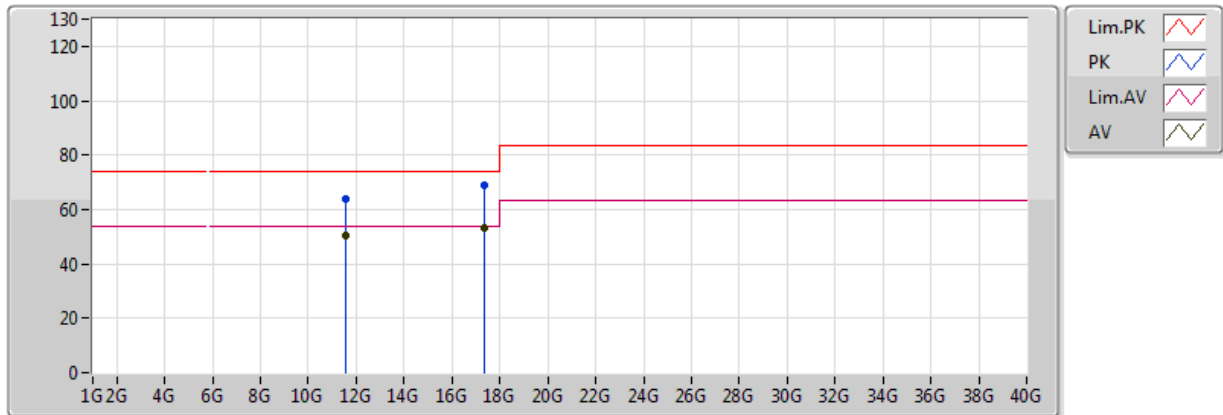


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7814G	100.32	Inf	-Inf	3.61	3	H	318	2.16	-
PK	5.5726G	57.47	68.20	-10.73	3.22	3	H	318	2.16	-
PK	5.7862G	110.28	Inf	-Inf	3.62	3	H	318	2.16	-
PK	5.9266G	55.18	68.20	-13.02	3.88	3	H	318	2.16	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5785MHz_TX

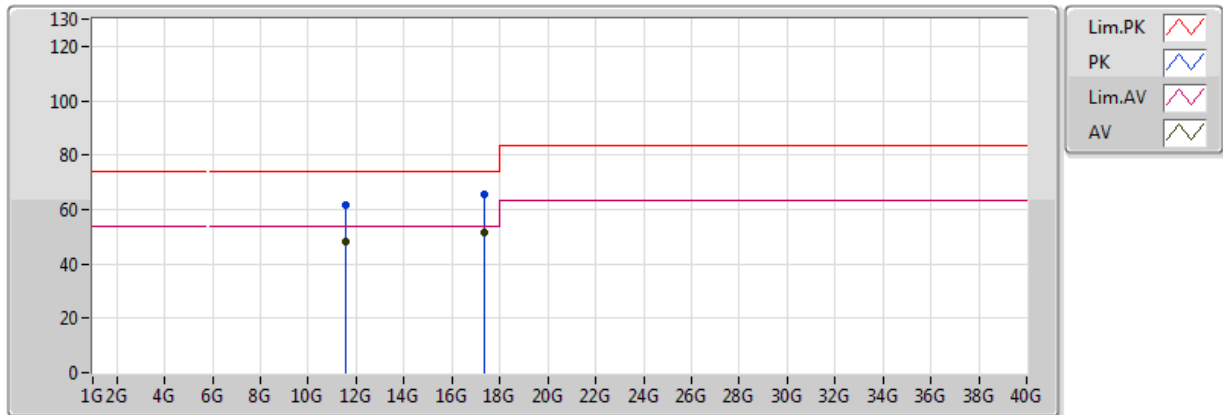


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	50.17	54.00	-3.83	13.16	3	V	281	2.16	-
AV	17.355G	53.50	54.00	-0.50	18.89	3	V	93	1.55	-
PK	11.57G	64.01	74.00	-9.99	13.16	3	V	281	2.16	-
PK	17.355G	68.69	74.00	-5.31	18.89	3	V	93	1.55	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5785MHz_TX

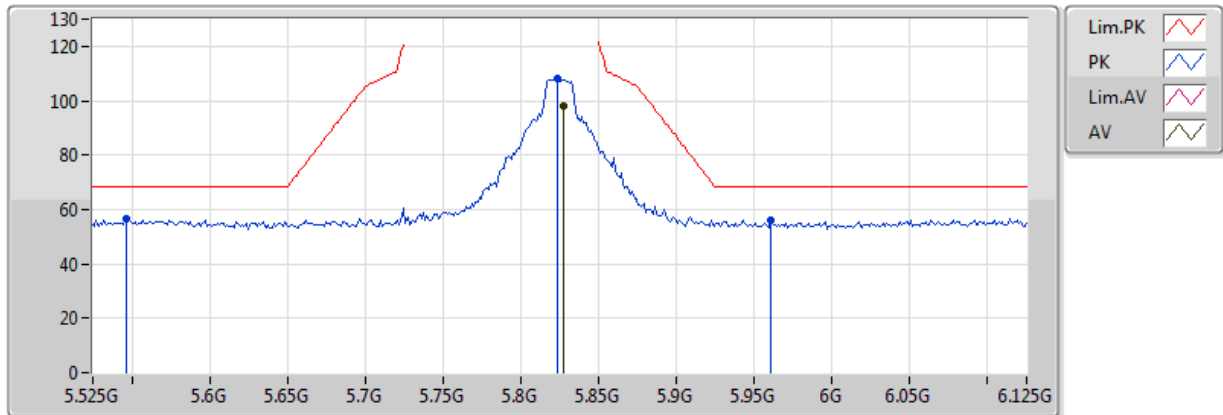


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	48.08	54.00	-5.92	13.16	3	H	329	1.67	-
AV	17.355G	51.75	54.00	-2.25	18.89	3	H	338	1.56	-
PK	11.57G	61.81	74.00	-12.19	13.16	3	H	329	1.67	-
PK	17.355G	65.55	74.00	-8.45	18.89	3	H	338	1.56	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5825MHz_TX

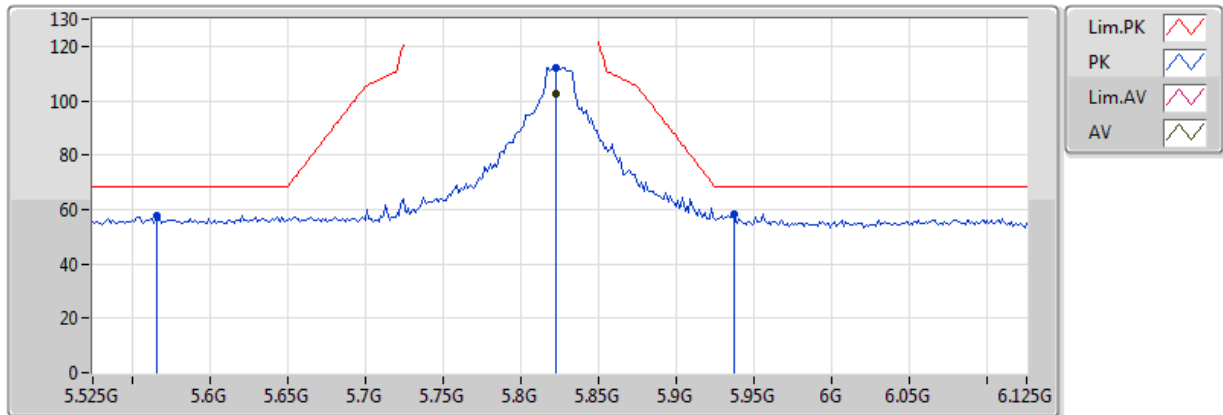


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8274G	98.05	Inf	-Inf	3.70	3	V	154	3.25	-
PK	5.5466G	56.56	68.20	-11.64	3.17	3	V	154	3.25	-
PK	5.8238G	108.39	Inf	-Inf	3.69	3	V	154	3.25	-
PK	5.9606G	56.05	68.20	-12.15	3.95	3	V	154	3.25	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5825MHz_TX

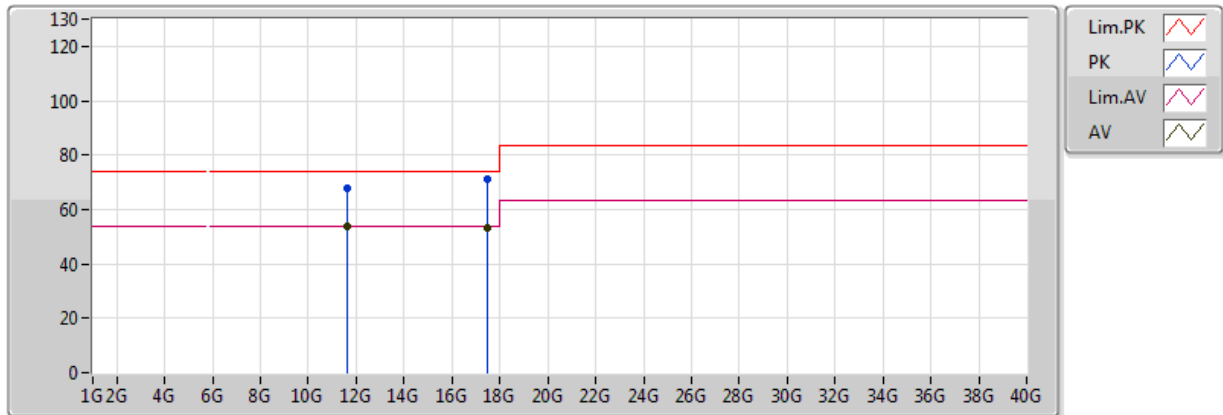


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8226G	102.36	Inf	-Inf	3.69	3	H	66	2.81	-
PK	5.5658G	57.53	68.20	-10.67	3.21	3	H	66	2.81	-
PK	5.8226G	112.30	Inf	-Inf	3.69	3	H	66	2.81	-
PK	5.9366G	58.49	68.20	-9.71	3.90	3	H	66	2.81	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5825MHz_TX

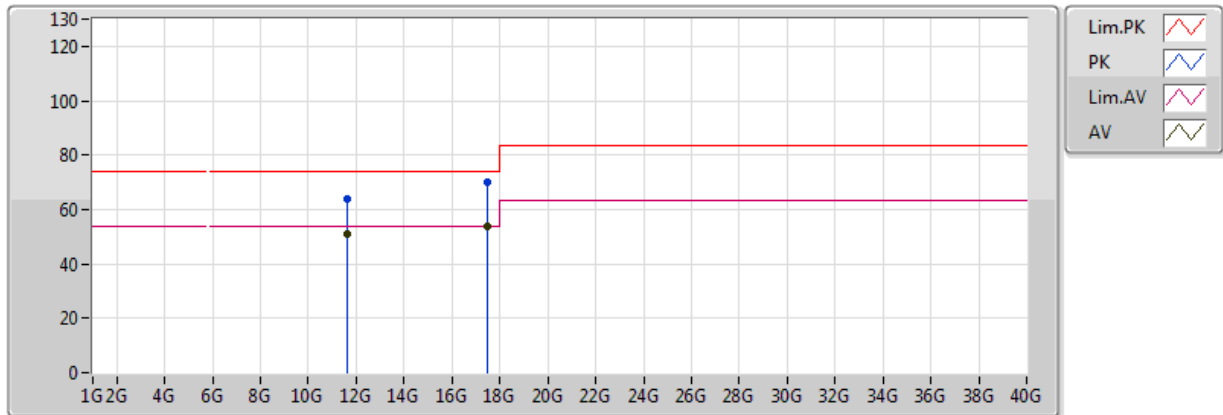


EUT=Z

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	53.61	54.00	-0.39	13.05	3	V	93	2.11	-
AV	17.475G	53.15	54.00	-0.85	19.68	3	V	27	1.59	-
PK	11.65G	68.02	74.00	-5.98	13.05	3	V	93	2.11	-
PK	17.475G	71.02	74.00	-2.98	19.68	3	V	27	1.59	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5825MHz_TX

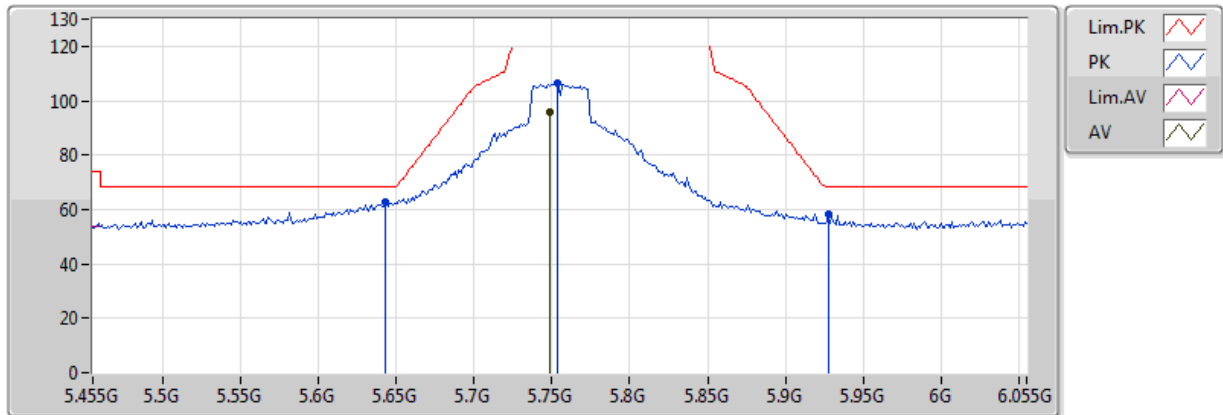


EUT=Z

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	50.84	54.00	-3.16	13.05	3	H	329	1.58	-
AV	17.475G	53.76	54.00	-0.24	19.68	3	H	337	1.58	-
PK	11.65G	64.15	74.00	-9.85	13.05	3	H	329	1.58	-
PK	17.475G	69.77	74.00	-4.23	19.68	3	H	337	1.58	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5755MHz_TX

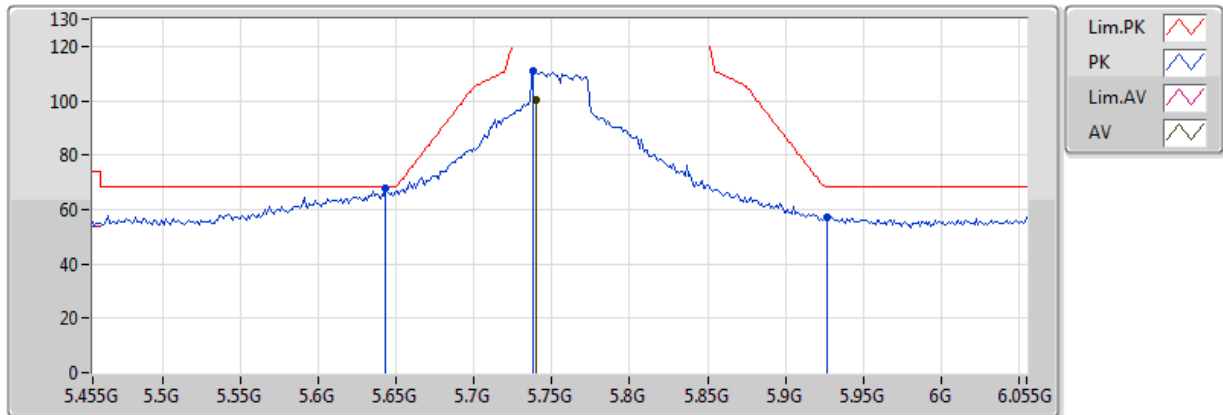


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.749G	95.84	Inf	-Inf	3.55	3	V	183	2.79	-
PK	5.6434G	62.58	68.20	-5.62	3.35	3	V	183	2.79	-
PK	5.7538G	106.40	Inf	-Inf	3.56	3	V	183	2.79	-
PK	5.9278G	58.30	68.20	-9.90	3.88	3	V	183	2.79	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5755MHz_TX

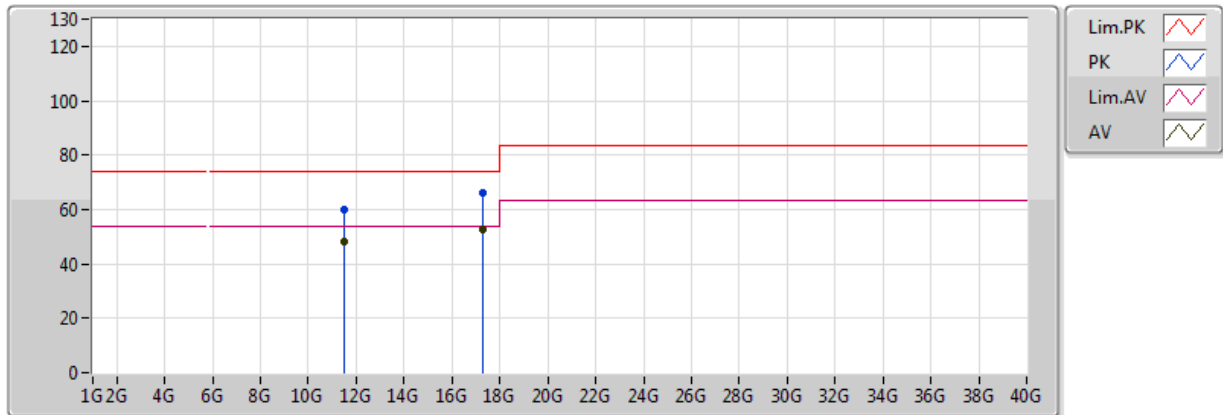


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7394G	100.51	Inf	-Inf	3.53	3	H	67	3.01	-
PK	5.7382G	110.69	Inf	-Inf	3.53	3	H	67	3.01	-
PK	5.6434G	67.85	68.20	-0.35	3.35	3	H	67	3.01	-
PK	5.9266G	57.28	68.20	-10.92	3.88	3	H	67	3.01	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5755MHz_TX

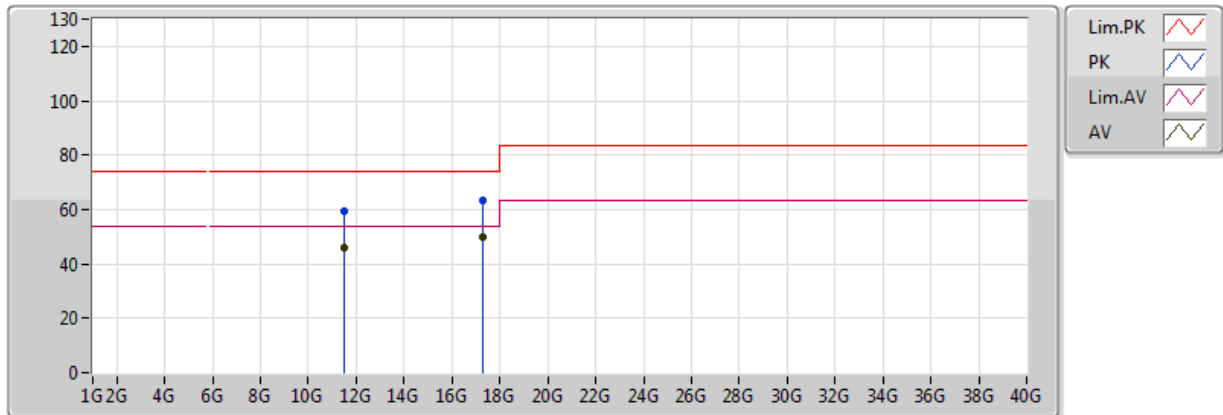


EUT=Z

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	48.27	54.00	-5.73	13.23	3	V	90	2.25	-
AV	17.265G	52.84	54.00	-1.16	18.29	3	V	92	1.63	-
PK	11.51G	59.91	74.00	-14.09	13.23	3	V	90	2.25	-
PK	17.265G	66.38	74.00	-7.62	18.29	3	V	92	1.63	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5755MHz_TX

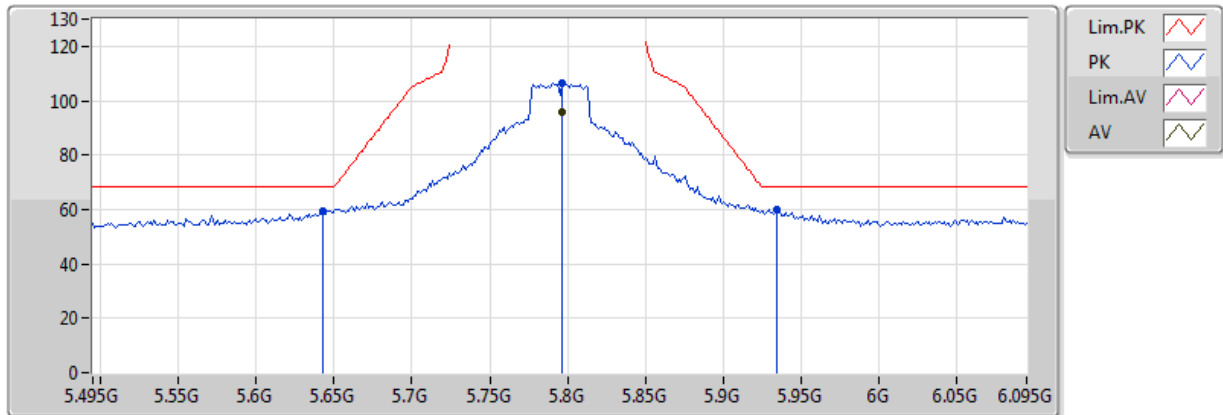


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.51G	46.04	54.00	-7.96	13.23	3	H	326	2.17	-
AV	17.265G	49.64	54.00	-4.36	18.29	3	H	46	1.35	-
PK	11.51G	59.34	74.00	-14.66	13.23	3	H	326	2.17	-
PK	17.265G	63.24	74.00	-10.76	18.29	3	H	46	1.35	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5795MHz_TX

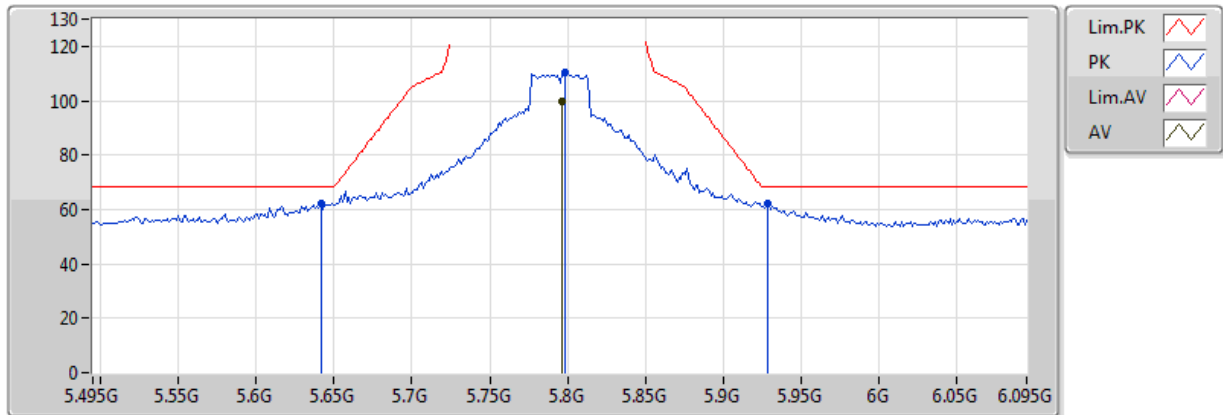


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7962G	95.99	Inf	-Inf	3.64	3	V	190	2.64	-
PK	5.6426G	59.60	68.20	-8.60	3.35	3	V	190	2.64	-
PK	5.7962G	106.37	Inf	-Inf	3.64	3	V	190	2.64	-
PK	5.9342G	60.13	68.20	-8.07	3.89	3	V	190	2.64	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5795MHz_TX

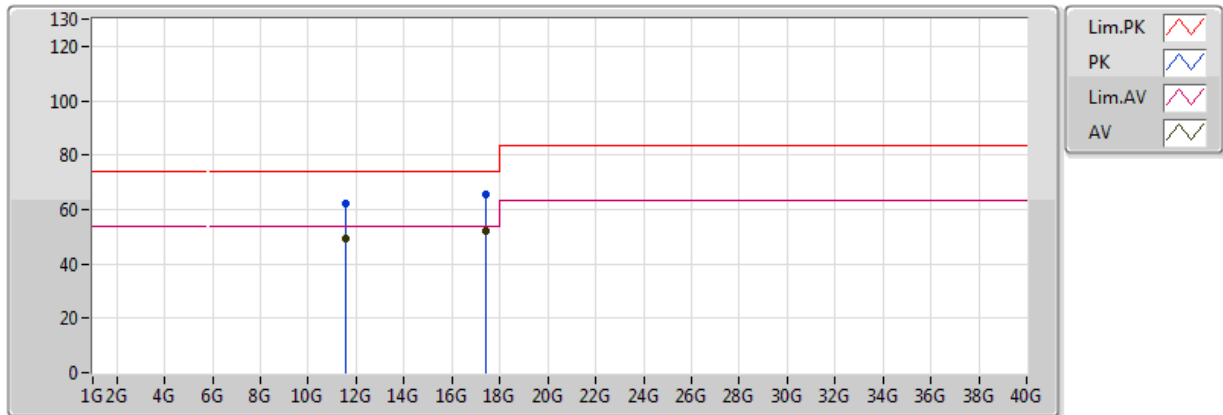


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7962G	99.86	Inf	-Inf	3.64	3	H	67	3.09	-
PK	5.6414G	62.09	68.20	-6.11	3.34	3	H	67	3.09	-
PK	5.7986G	110.39	Inf	-Inf	3.65	3	H	67	3.09	-
PK	5.9282G	62.00	68.20	-6.20	3.88	3	H	67	3.09	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5795MHz_TX

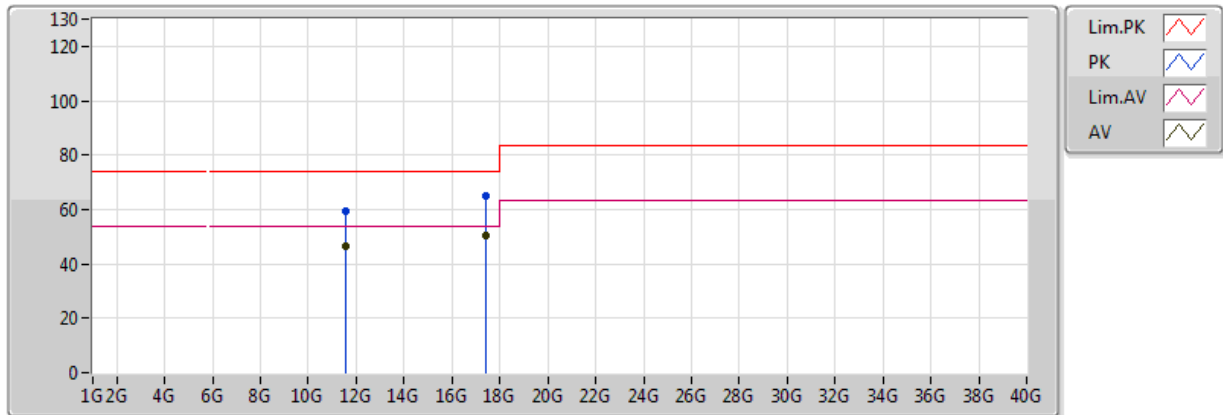


EUT=Z

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	49.19	54.00	-4.81	13.13	3	V	91	2.13	-
AV	17.385G	51.93	54.00	-2.07	19.08	3	V	0	1.53	-
PK	11.59G	61.96	74.00	-12.04	13.13	3	V	91	2.13	-
PK	17.385G	65.29	74.00	-8.71	19.08	3	V	0	1.53	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5795MHz_TX

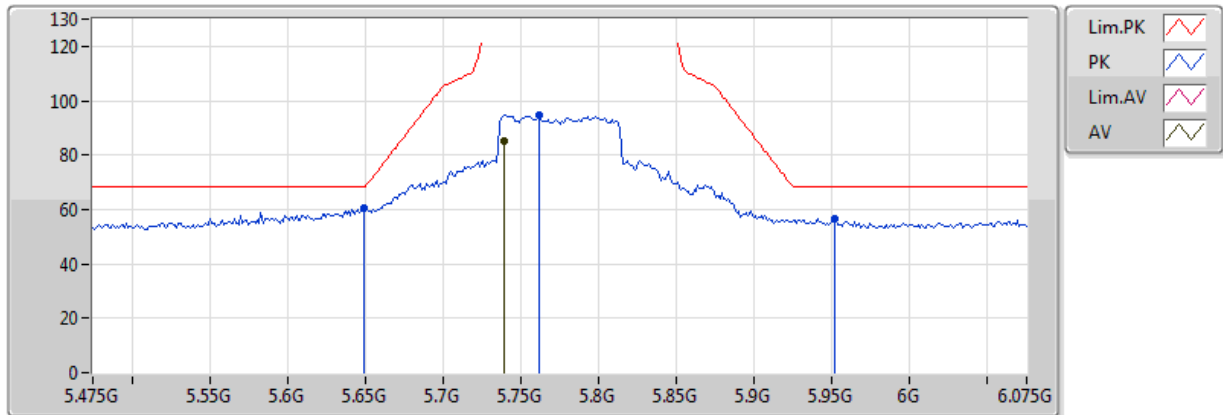


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.59G	46.38	54.00	-7.62	13.13	3	H	323	2.12	-
AV	17.385G	50.21	54.00	-3.79	19.08	3	H	337	1.59	-
PK	11.59G	59.21	74.00	-14.79	13.13	3	H	323	2.12	-
PK	17.385G	64.73	74.00	-9.27	19.08	3	H	337	1.59	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_TX

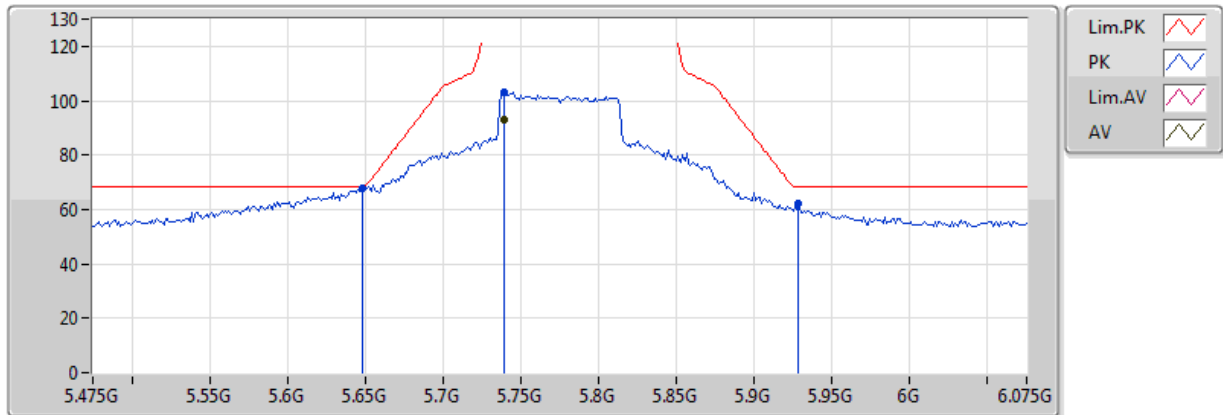


EUT=Z

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	85.11	Inf	-Inf	3.53	3	V	171	1.50	-
PK	5.649G	60.24	68.20	-7.96	3.36	3	V	171	1.50	-
PK	5.7618G	94.67	Inf	-Inf	3.57	3	V	171	1.50	-
PK	5.9514G	56.77	68.20	-11.43	3.93	3	V	171	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_TX

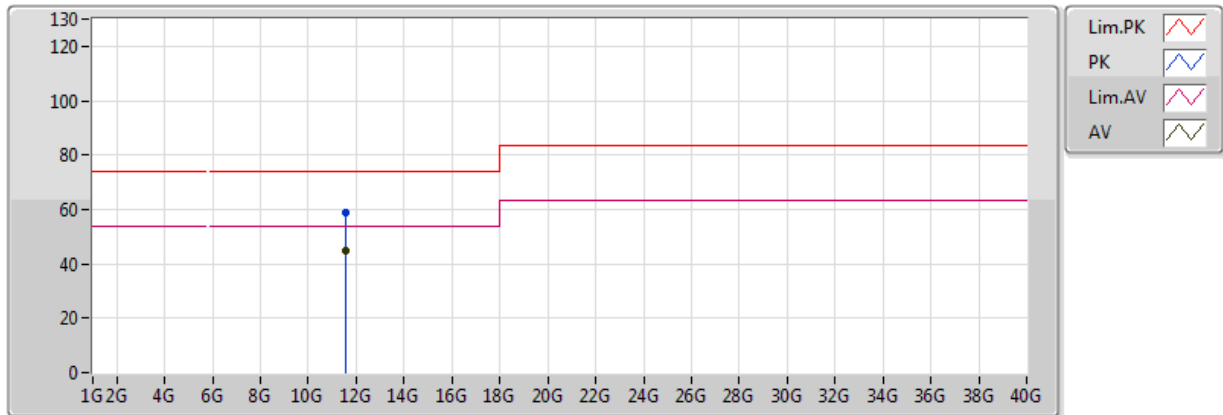


EUT=Z

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	92.99	Inf	-Inf	3.53	3	H	317	2.11	-
PK	5.6478G	67.83	68.20	-0.37	3.36	3	H	317	2.11	-
PK	5.739G	102.92	Inf	-Inf	3.53	3	H	317	2.11	-
PK	5.9286G	62.10	68.20	-6.10	3.88	3	H	317	2.11	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_TX

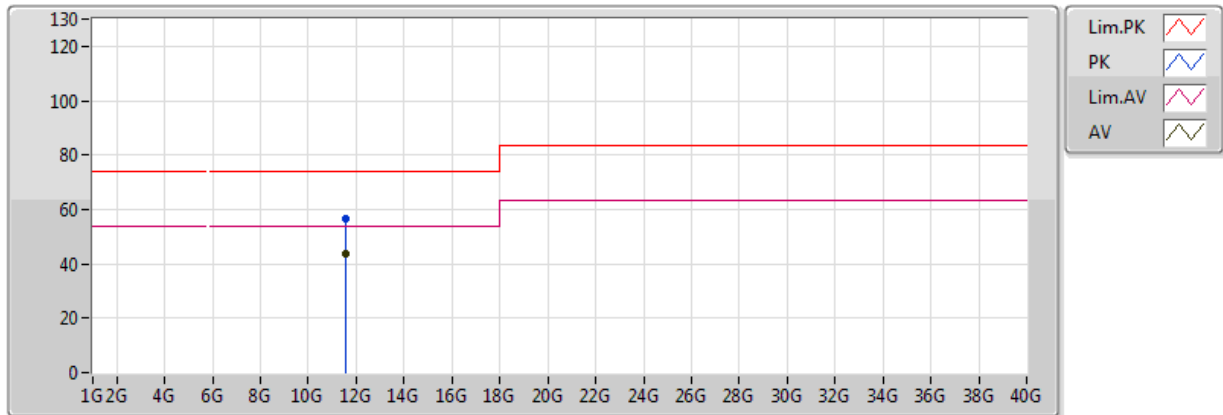


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55G	44.97	54.00	-9.03	13.18	3	V	279	1.67	-
PK	11.55G	59.11	74.00	-14.89	13.18	3	V	279	1.67	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_TX



EUT=Z

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	43.84	54.00	-10.16	13.18	3	H	328	1.79	-
PK	11.55G	56.71	74.00	-17.29	13.18	3	H	328	1.79	-



Frequency Stability Result

Appendix F

Summary

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
802.11a_(6Mbps)_1TX	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	5.2G	5.19996048G	7.599	20	1	10 min

Result

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
802.11a_(6Mbps)_1TX	-	-	-	-	-	-	-
5200MHz_0°C	Pass	5.2G	5.20001115G	2.145	20	1	0 min
5200MHz_0°C	Pass	5.2G	5.20001101G	2.118	20	1	2 min
5200MHz_0°C	Pass	5.2G	5.20001098G	2.111	20	1	5 min
5200MHz_0°C	Pass	5.2G	5.20001117G	2.148	20	1	10 min
5200MHz_10°C	Pass	5.2G	5.19999423G	1.109	20	1	0 min
5200MHz_10°C	Pass	5.2G	5.19999405G	1.144	20	1	2 min
5200MHz_10°C	Pass	5.2G	5.19999425G	1.105	20	1	5 min
5200MHz_10°C	Pass	5.2G	5.19999405G	1.145	20	1	10 min
5200MHz_20°C	Pass	5.2G	5.19997858G	4.118	20	1	0 min
5200MHz_20°C	Pass	5.2G	5.19997868G	4.1	20	1	2 min
5200MHz_20°C	Pass	5.2G	5.19997863G	4.11	20	1	5 min
5200MHz_20°C	Pass	5.2G	5.19997856G	4.122	20	1	10 min
5200MHz_30°C	Pass	5.2G	5.19996831G	6.094	20	1	0 min
5200MHz_30°C	Pass	5.2G	5.19996875G	6.009	20	1	2 min
5200MHz_30°C	Pass	5.2G	5.19996865G	6.029	20	1	5 min
5200MHz_30°C	Pass	5.2G	5.19996849G	6.061	20	1	10 min
5200MHz_40°C	Pass	5.2G	5.19996056G	7.585	20	1	0 min
5200MHz_40°C	Pass	5.2G	5.19996059G	7.578	20	1	2 min
5200MHz_40°C	Pass	5.2G	5.19996053G	7.59	20	1	5 min
5200MHz_40°C	Pass	5.2G	5.19996048G	7.599	20	1	10 min
5200MHz_138V	Pass	5.2G	5.19998117G	3.621	20	1	0 min
5200MHz_138V	Pass	5.2G	5.19998123G	3.609	20	1	2 min
5200MHz_138V	Pass	5.2G	5.19998154G	3.55	20	1	5 min
5200MHz_138V	Pass	5.2G	5.19998146G	3.565	20	1	10 min
5200MHz_120V	Pass	5.2G	5.19998141G	3.575	20	1	0 min
5200MHz_120V	Pass	5.2G	5.19998111G	3.633	20	1	2 min
5200MHz_120V	Pass	5.2G	5.1999813G	3.596	20	1	5 min
5200MHz_120V	Pass	5.2G	5.19998121G	3.613	20	1	10 min
5200MHz_102V	Pass	5.2G	5.19998101G	3.652	20	1	0 min
5200MHz_102V	Pass	5.2G	5.19998074G	3.704	20	1	2 min
5200MHz_102V	Pass	5.2G	5.19998075G	3.702	20	1	5 min
5200MHz_102V	Pass	5.2G	5.19998078G	3.696	20	1	10 min