

FCC Test Report

FCC ID : HDCSDX810RG
Equipment : Residential Gateway
Brand Name : **ADTRAN**[®]
Model Name : SDX810-RG
Applicant : Adtran
901 Explorer Blvd., Huntsville, AL 35806, US
Manufacturer : XAVi Technologies Corporation
22F., No.69, Sec. 2, Guangfu Rd., Sanchong Dist., New
Taipei City 241, Taiwan (R.O.C.)
Standard : 47 CFR FCC Part 15.407

The product was received on Feb. 26, 2018, and testing was started from Mar. 29, 2018 and completed on Apr. 11, 2018. We, SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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


Approved by: Allen Lin

SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	8
1.3 Testing Location Information	8
1.4 Measurement Uncertainty	8
2 TEST CONFIGURATION OF EUT.....	9
2.1 Test Condition	9
2.2 Test Channel Mode	10
2.3 The Worst Case Measurement Configuration.....	12
2.4 Accessories and Support Equipment	13
2.5 Support Equipment.....	13
2.6 Test Setup Diagram	14
3 TRANSMITTER TEST RESULT	15
3.1 AC Power-line Conducted Emissions	15
3.2 Emission Bandwidth	16
3.3 Maximum Conducted Output Power	17
3.4 Peak Power Spectral Density.....	19
3.5 Unwanted Emissions.....	21
3.6 Frequency Stability.....	26
3.7 Test Equipment and Calibration Data	27
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULTS OF EMISSION BANDWIDTH	
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX D. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY	
APPENDIX E. TEST RESULTS OF UNWANTED EMISSIONS	
APPENDIX F. TEST RESULTS OF FREQUENCY STABILITY	
APPENDIX G. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



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Report Template No.: HE1-D1 Ver2.0
FCC ID: HDCSDX810RG

Summary of Test Result

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

Reviewed by: Sam Tsai

Report Producer: Ivy Yuan

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]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX

Beamforming

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.725-5.85GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	4TX

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
First group				
1	-	-	PIFA Antenna	I-PEX
2	-	-	PIFA Antenna	I-PEX
3	-	-	PIFA Antenna	I-PEX
4	-	-	PIFA Antenna	I-PEX
5	-	-	PIFA Antenna	I-PEX
6	-	-	PIFA Antenna	I-PEX
Second Group				
7	-	-	PIFA Antenna	I-PEX
8	-	-	PIFA Antenna	I-PEX
9	-	-	PIFA Antenna	I-PEX
10	-	-	PIFA Antenna	I-PEX
11	-	-	PIFA Antenna	I-PEX
12	-	-	PIFA Antenna	I-PEX

Ant.	port	Gain (dBi)		
		2.4G	5G UNII-1	5G UNII-3
1	1	3.7	-	-
2	2	4.15	-	-
3	-	-	2.26	2.96
4	-	-	3.13	2.99
5	-	-	2.26	2.96
6	-	-	3.13	2.99
7	-	3.31	-	-
8	-	2.99	-	-
9	1	-	3.14	3.40
10	2	-	4.08	3.80
11	3	-	2.78	3.75
12	4	-	3.4	3.71

Note 1: EUT can match with above antennas for using. Higher gain in each type of antenna was used to perform the worst configuration and result of that was recorded as the final test result.

1.1.3 EUT Information

Identify EUT			
Part Number	1287850Fx (x=0~9, a~z, A~Z, blank, "-" or "+")		
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
Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.982	0.079	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT20	0.984	0.07	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT40	0.972	0.123	955u	3k
802.11ac VHT80	0.944	0.25	463.125u	3k

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ac VHT20-BF	0.918	0.372	3.838m	300
802.11ac VHT40-BF	0.932	0.306	4.611m	300
802.11ac VHT80-BF	0.932	0.306	5.1m	300

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 v02r01
- ♦ KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Tim	22.5°C / 65%	09/Apr/2018
Radiated	03CH03-HY	Justin	21°C / 50%	11/Apr/2018
AC Conduction	CO04-HY	Jeff	23.2°C / 56%	29/Mar/2018

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 (9kHz ~ 30MHz)	3.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Non-Beamforming

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V
TX-Radiated > 1G	Remark	-
TX	-	-
Freq. Stability	Abbreviation	Remark
-5°C	-	-
0°C	-	-
10°C	-	-
20°C	-	-
30°C	-	-
40°C	-	-
50°C	-	-
138V	-	-
120V	-	-
102V	-	-

Beamforming

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



2.2 Test Channel Mode

Test Software Version	MTool _ 2.0.3.2
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Non-Beamforming

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	74
5200MHz	74
5240MHz	73
5745MHz	83
5785MHz	84
5825MHz	83
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	76
5200MHz	75
5240MHz	75
5745MHz	87
5785MHz	87
5825MHz	84
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	70
5230MHz	87
5755MHz	88
5795MHz	90
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	69
5775MHz	85

**Beamforming**

Mode	PowerSetting
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	77
5200MHz	77
5240MHz	75
5745MHz	79
5785MHz	79
5825MHz	80
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	63
5230MHz	79
5755MHz	79
5795MHz	79
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	69
5775MHz	76

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	CTX
1	Adapter mode - Non BF
2	Adapter mode - BF

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	Normal Link
1	WLAN 2.4GHz+ WLAN 5GHz
Refer to Sporton Test Report No.: FA6N1727-01 for Co-location RF Exposure Evaluation.	

2.4 Accessories and Support Equipment

Accessories				
AC Adapter	Brand Name	SUNNY	Model Name	SYS1564-3012-W2
	Power Rating	I/P: 100 - 240 Vac, 1 A, O/P: 12 Vdc, 2.5 A		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		

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

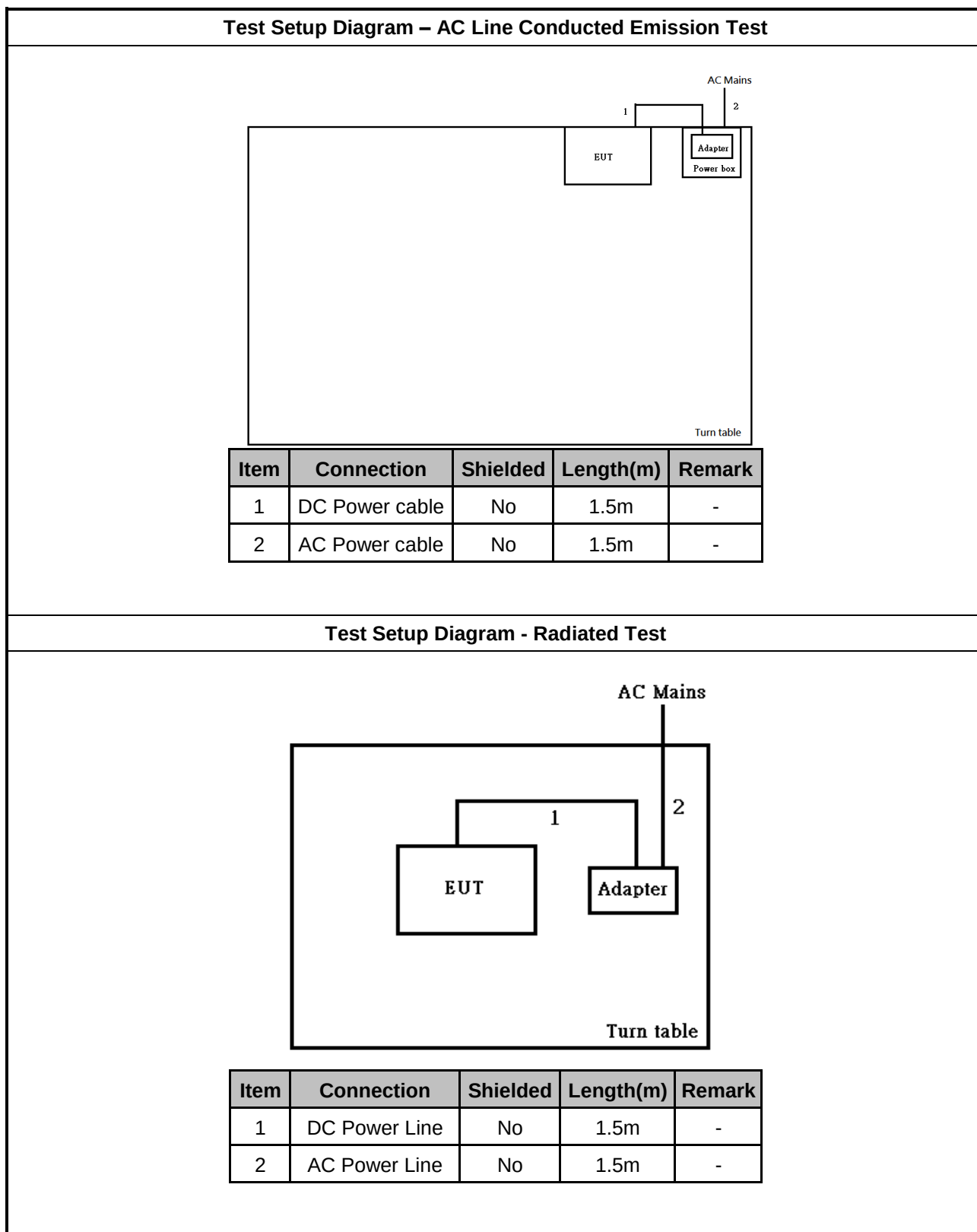
Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook (remote)	DELL	E4300	-
2	Notebook (remote)	DELL	E4300	-
3	AC adapter (remote)	DELL	LA65NS2-01	-
4	Client (remote)	-	-	-

Note: Support equipment No.4 was provided by customer.

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook (remote)	DELL	E4300	-
2	Notebook (remote)	DELL	E5530	-
3	AC adapter (remote)	DELL	LA65NS2-01	-
4	Client (remote)	-	-	-

Note: Support equipment No.4 was provided by customer.

2.6 Test Setup Diagram



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.

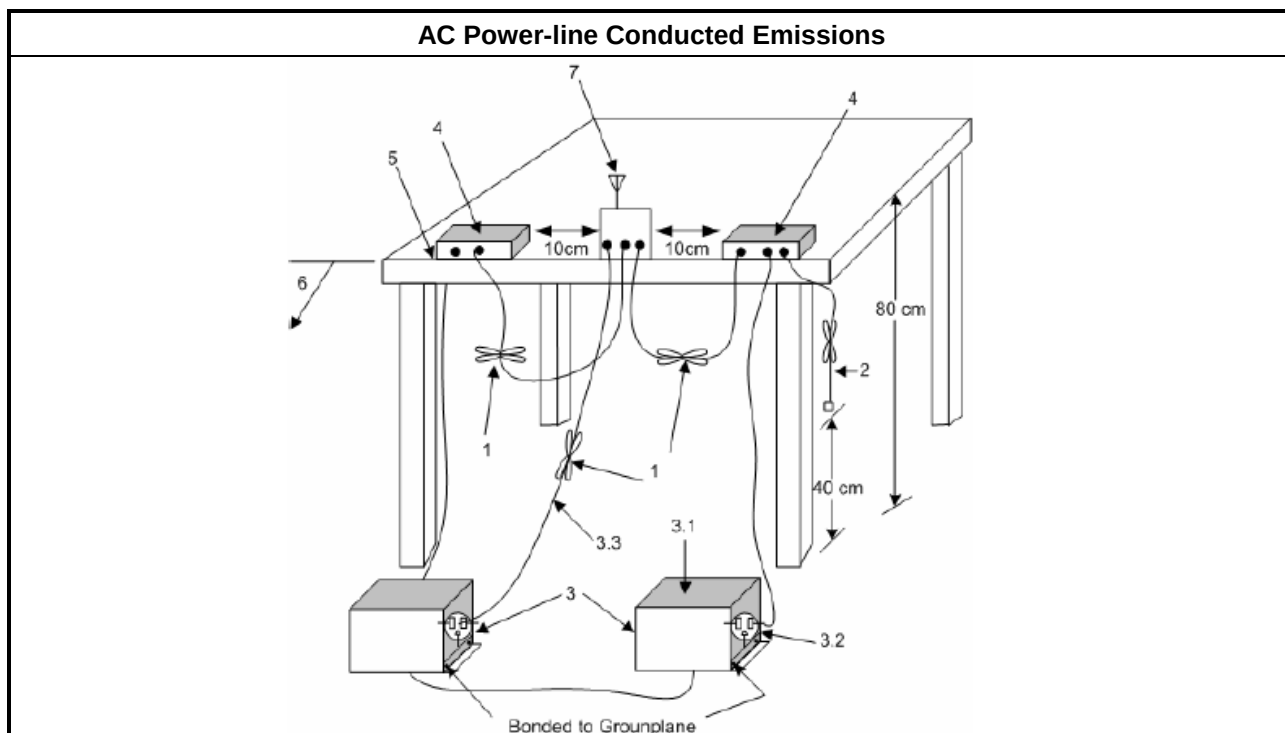
3.1.2 Measuring Instruments

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.

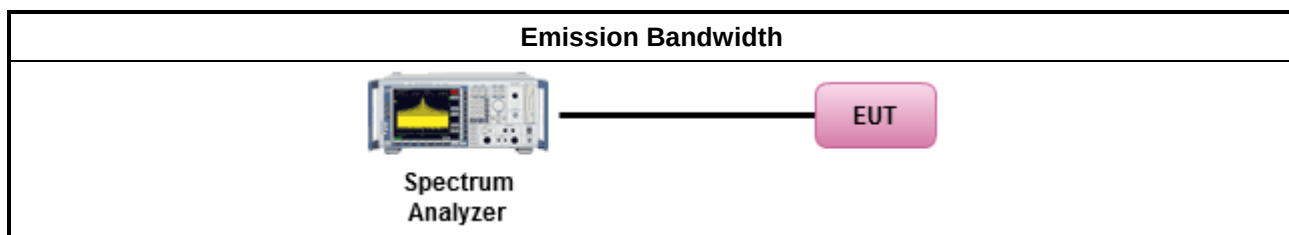
3.2.2 Measuring Instruments

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.	

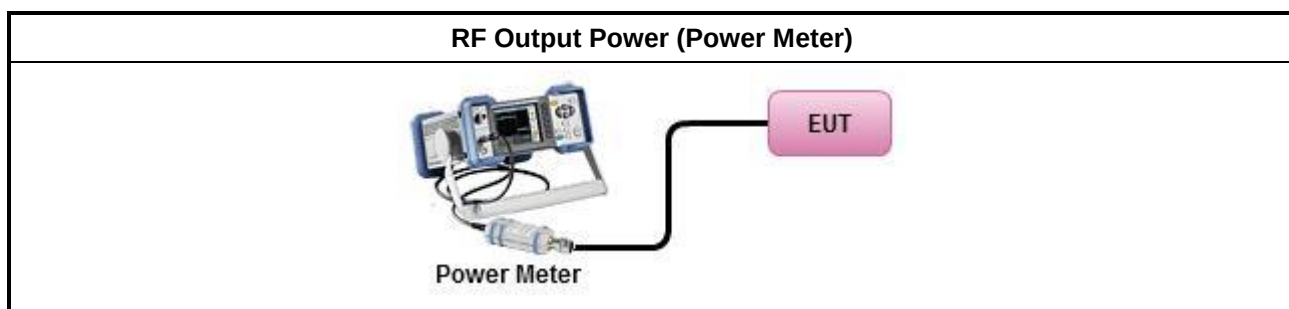
3.3.2 Measuring Instruments

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 the 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.	

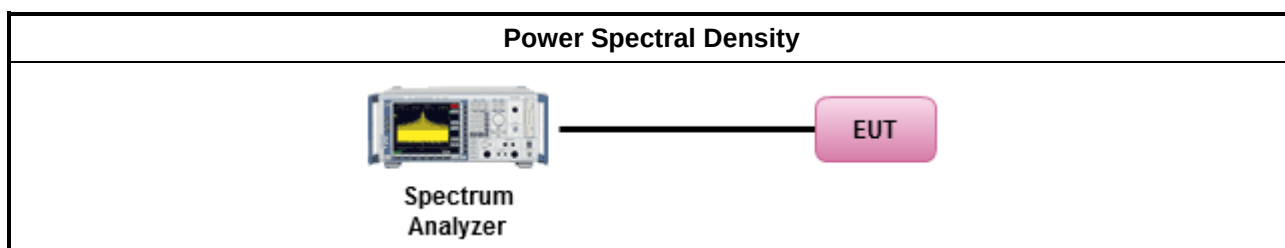
3.4.2 Measuring Instruments

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.

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

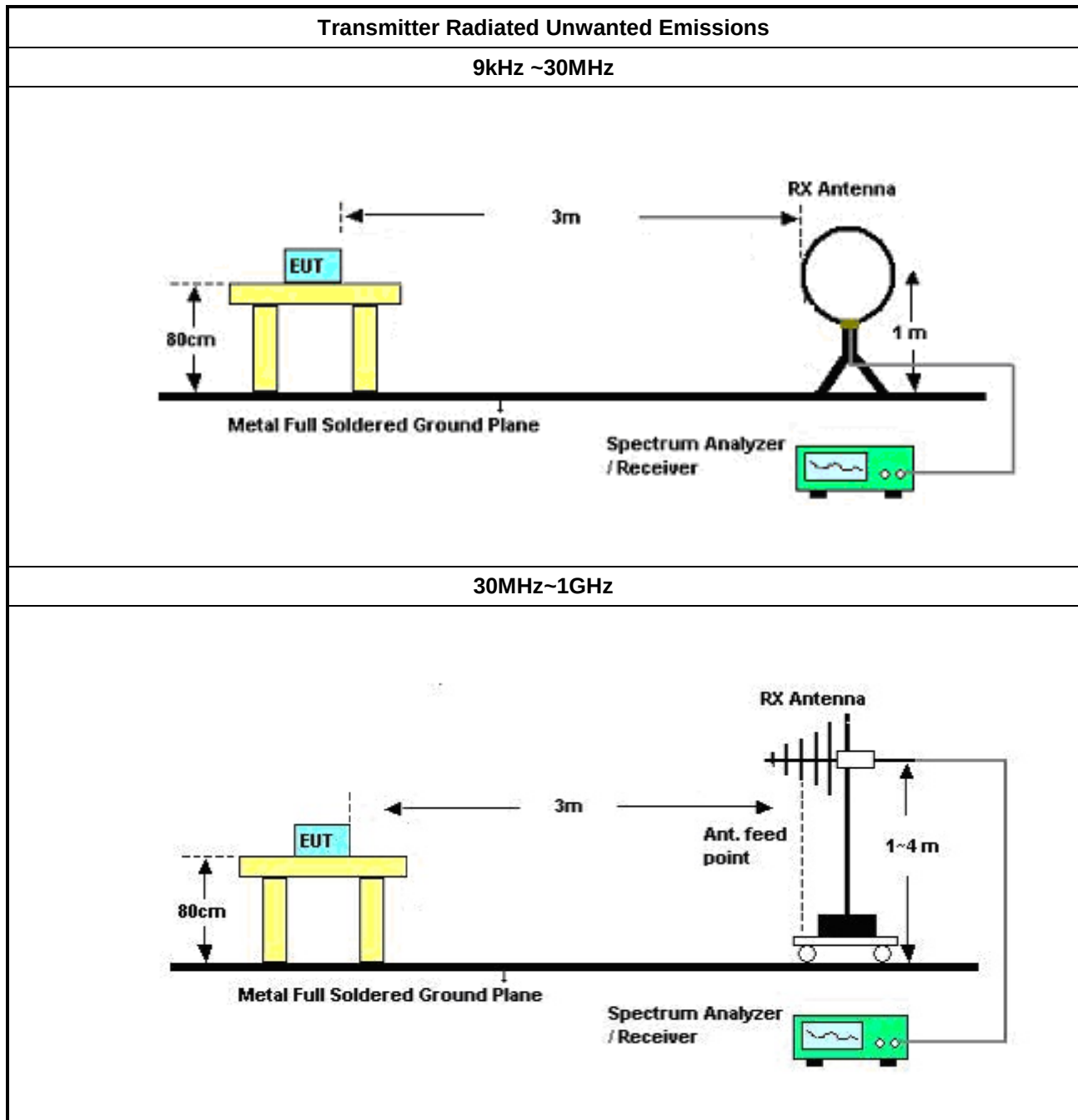
3.5.2 Measuring Instruments

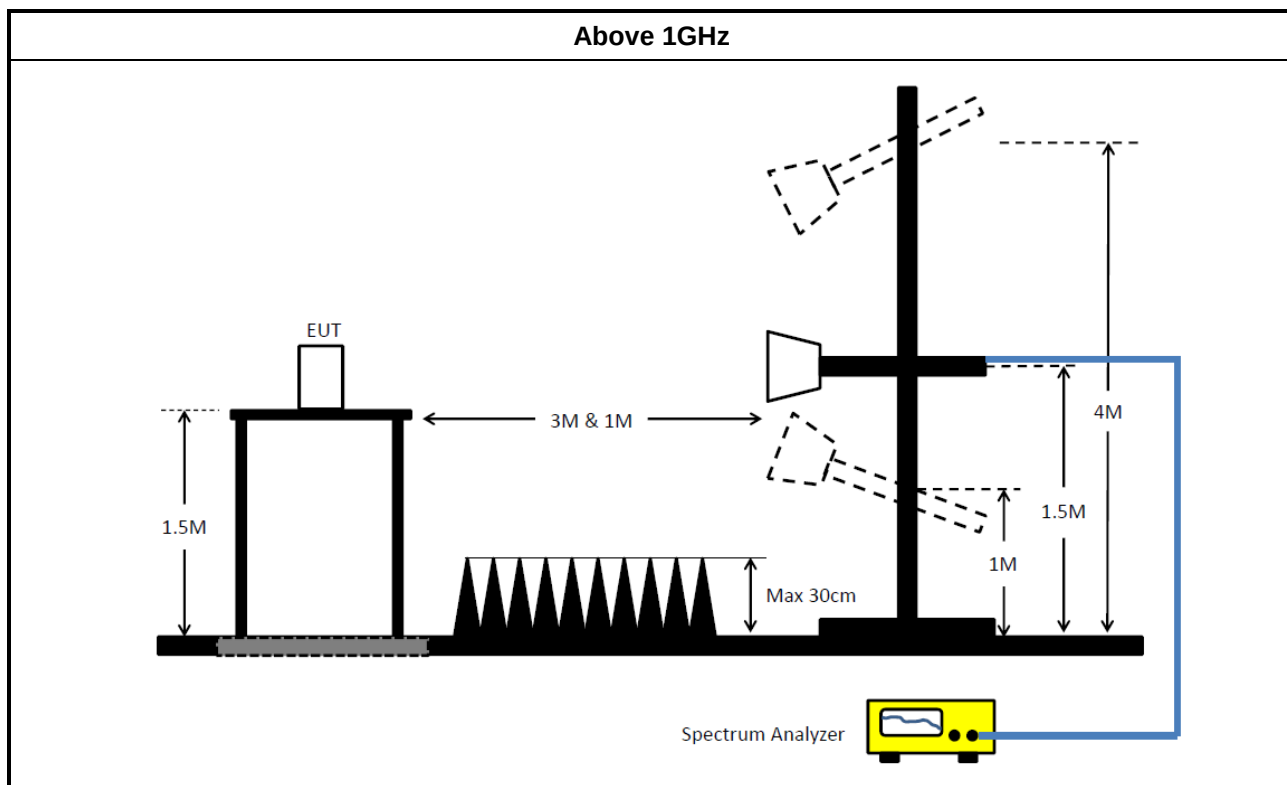
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

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

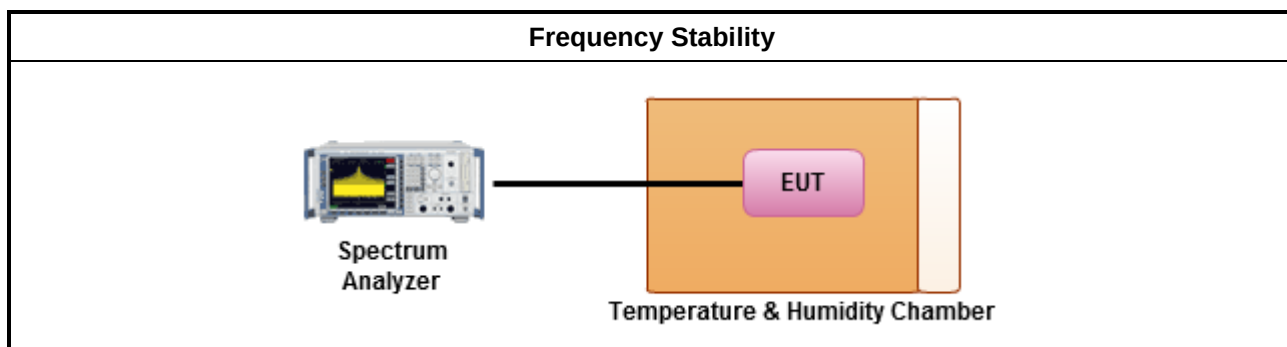
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Refer as Appendix F

3.7 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	17/Nov/2017	16/Nov/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018

NCR : Non-Calibration Require

Instrument for Radiated Test

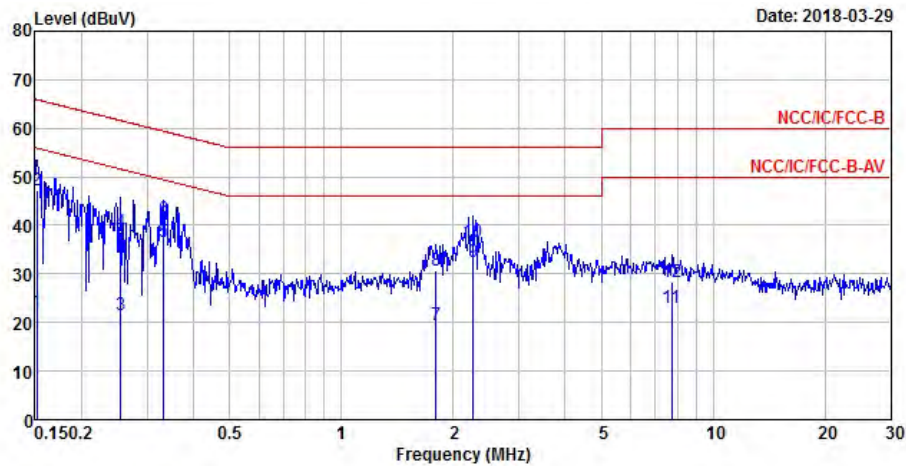
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	31/Oct/2017	30/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	01/Nov/2017	31/Oct/2018
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	19/Apr/2017	18/Apr/2018
Amplifier	Keysight	83017A	MY53270196	1GHz ~ 26.5GHz	31/Aug/2017	30/Aug/2018
Spectrum	R&S	FSV40	101500	9kHz ~ 40GHz	28/Jun/2017	27/Jun/2018
Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	26/Jan/2018	25/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX106	CB222	1GHz ~ 40GHz	26/Jan/2018	25/Jan/2019
Bilog Antenna	SCHAFFNER	CBL 6112B	22237	30MHz ~ 1GHz	08/Jul/2017	07/Jul/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz ~ 40GHz	09/Feb/ 2018	08/Feb/2019
Horn Antenna	SCHWARZBECK	BBHA9120D	1531	1GHz ~ 18GHz	25/Apr/ 2017	24/Apr/2018
Amplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2017	23/Aug/2018
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	16/Mar/2018	15/Mar/2019

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	29/Dec/2017	28/Dec/2018
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
Temp. and Humidity Chamber	Giant Force	GTH-225-40-CP-AR	MAA1611-005	-40 ~ 100℃	21/Nov/2016	20/Nov/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY677/3	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY678/3	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY23000/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-1.5m	HUBER+SUHNER	SUCOFLEX_104	MY12586/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter mode-Non BF		

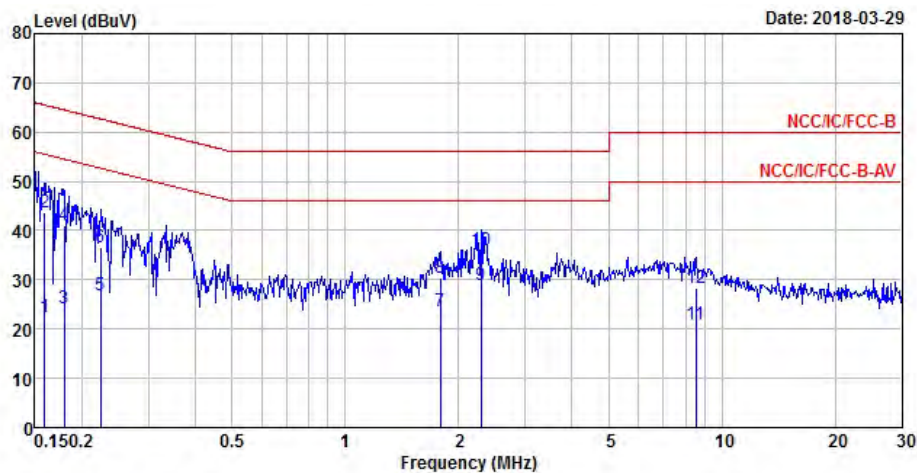


	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.1516	22.26	-33.65	55.91	12.59	9.63	0.04	Average
2	0.1516	47.10	-18.81	65.91	37.43	9.63	0.04	QP
3	0.2548	21.45	-30.15	51.60	11.80	9.62	0.03	Average
4	0.2548	38.78	-22.82	61.60	29.13	9.62	0.03	QP
5 MAX	0.3321	36.55	-12.85	49.40	26.87	9.61	0.07	Average
6	0.3321	41.30	-18.10	59.40	31.62	9.61	0.07	QP
7	1.8000	19.51	-26.49	46.00	9.88	9.63	0.00	Average
8	1.8000	30.80	-25.20	56.00	21.17	9.63	0.00	QP
9	2.2606	32.41	-13.59	46.00	22.76	9.63	0.02	Average
10	2.2606	36.55	-19.45	56.00	26.90	9.63	0.02	QP
11	7.7278	23.06	-26.94	50.00	13.21	9.68	0.17	Average
12	7.7278	28.23	-31.77	60.00	18.38	9.68	0.17	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-Non BF		



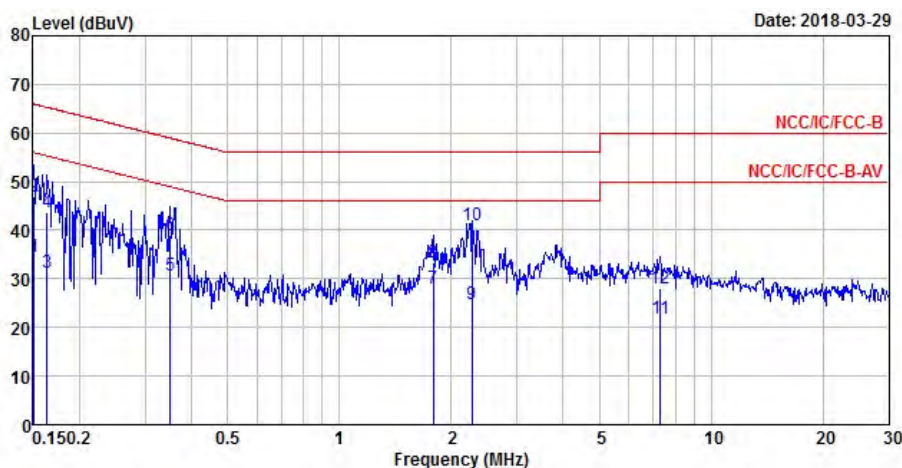
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1590	22.48	-33.04	55.52	12.83	9.62	0.03	Average
2	0.1590	43.82	-21.70	65.52	34.17	9.62	0.03	QP
3	0.1796	24.13	-30.37	54.50	14.49	9.62	0.02	Average
4	0.1796	40.91	-23.59	64.50	31.27	9.62	0.02	QP
5	0.2244	26.94	-25.72	52.66	17.30	9.62	0.02	Average
6	0.2244	36.50	-26.16	62.66	26.86	9.62	0.02	QP
7	1.7905	23.76	-22.24	46.00	14.14	9.62	0.00	Average
8	1.7905	30.54	-25.46	56.00	20.92	9.62	0.00	QP
9 MAX	2.2968	28.88	-17.12	46.00	19.24	9.62	0.02	Average
10	2.2968	36.13	-19.87	56.00	26.49	9.62	0.02	QP
11	8.5463	21.03	-28.97	50.00	11.20	9.65	0.18	Average
12	8.5463	28.21	-31.79	60.00	18.38	9.65	0.18	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	2	Power Phase	Neutral
Operating Function	Adapter mode-BF		

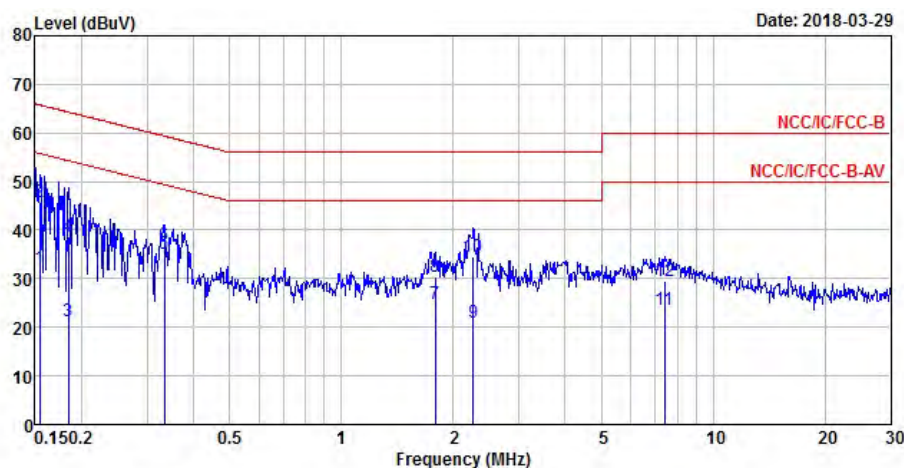


	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1508	34.55	-21.41	55.96	24.88	9.63	0.04	Average
2	0.1508	46.92	-19.04	65.96	37.25	9.63	0.04	QP
3	0.1633	31.35	-23.95	55.30	21.69	9.63	0.03	Average
4	0.1633	43.69	-21.61	65.30	34.03	9.63	0.03	QP
5	0.3502	30.59	-18.37	48.96	20.90	9.61	0.08	Average
6	0.3502	38.96	-20.00	58.96	29.27	9.61	0.08	QP
7	1.7905	27.96	-18.04	46.00	18.33	9.63	0.00	Average
8	1.7905	33.40	-22.60	56.00	23.77	9.63	0.00	QP
9	2.2726	24.92	-21.08	46.00	15.27	9.63	0.02	Average
10 MAX	2.2726	41.10	-14.90	56.00	31.45	9.63	0.02	QP
11	7.2903	21.84	-28.16	50.00	12.01	9.67	0.16	Average
12	7.2903	28.00	-32.00	60.00	18.17	9.67	0.16	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	2	Power Phase	Line
Operating Function	Adapter mode-BF		



	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1540	32.07	-23.71	55.78	22.41	9.62	0.04	Average
2	0.1540	45.80	-19.98	65.78	36.14	9.62	0.04	QP
3	0.1844	21.36	-32.92	54.28	11.73	9.62	0.01	Average
4	0.1844	38.60	-25.68	64.28	28.97	9.62	0.01	QP
5 MAX	0.3338	35.00	-14.35	49.35	25.32	9.61	0.07	Average
6	0.3338	37.03	-22.32	59.35	27.35	9.61	0.07	QP
7	1.7905	24.70	-21.30	46.00	15.08	9.62	0.00	Average
8	1.7905	30.52	-25.48	56.00	20.90	9.62	0.00	QP
9	2.2606	20.83	-25.17	46.00	11.19	9.62	0.02	Average
10	2.2606	34.66	-21.34	56.00	25.02	9.62	0.02	QP
11	7.4071	23.58	-26.42	50.00	13.77	9.65	0.16	Average
12	7.4071	29.51	-30.49	60.00	19.70	9.65	0.16	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)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.7M	16.667M	16M7D1D	21.325M	16.542M
802.11ac VHT20_Nss1,(MCS0)_4TX	26.075M	17.816M	17M8D1D	21.525M	17.716M
802.11ac VHT40_Nss1,(MCS0)_4TX	82.15M	36.482M	36M5D1D	39.7M	36.182M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.4M	75.162M	75M2D1D	79.9M	74.663M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.425M	16.667M	16M7D1D	16.325M	16.592M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.625M	17.841M	17M8D1D	17.55M	17.766M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.35M	36.532M	36M5D1D	35.85M	36.232M
802.11ac VHT80_Nss1,(MCS0)_4TX	76.3M	75.962M	76M0D1D	75.5M	75.862M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.65M	16.667M	21.575M	16.542M	21.4M	16.592M	21.525M	16.592M
5200MHz	Pass	Inf	21.7M	16.642M	21.5M	16.592M	21.425M	16.617M	21.475M	16.617M
5240MHz	Pass	Inf	21.625M	16.617M	21.6M	16.617M	21.675M	16.592M	21.325M	16.567M
5745MHz	Pass	500k	16.375M	16.592M	16.35M	16.642M	16.35M	16.642M	16.35M	16.642M
5785MHz	Pass	500k	16.35M	16.642M	16.35M	16.617M	16.425M	16.667M	16.35M	16.642M
5825MHz	Pass	500k	16.35M	16.642M	16.325M	16.592M	16.35M	16.592M	16.325M	16.667M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.775M	17.791M	21.7M	17.791M	26.075M	17.716M	21.625M	17.766M
5200MHz	Pass	Inf	21.75M	17.766M	23.325M	17.741M	21.775M	17.741M	21.675M	17.766M
5240MHz	Pass	Inf	22.05M	17.791M	21.675M	17.766M	21.825M	17.791M	21.525M	17.816M
5745MHz	Pass	500k	17.6M	17.816M	17.575M	17.841M	17.575M	17.791M	17.575M	17.816M
5785MHz	Pass	500k	17.6M	17.841M	17.6M	17.841M	17.6M	17.791M	17.55M	17.841M
5825MHz	Pass	500k	17.6M	17.791M	17.575M	17.791M	17.6M	17.766M	17.625M	17.766M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.75M	36.182M	41.05M	36.282M	39.7M	36.232M	40.1M	36.182M
5230MHz	Pass	Inf	72.1M	36.382M	77.4M	36.432M	82.15M	36.482M	70.75M	36.332M
5755MHz	Pass	500k	36.3M	36.232M	36.3M	36.282M	36.35M	36.332M	36.35M	36.432M
5795MHz	Pass	500k	35.85M	36.432M	36.35M	36.432M	36.3M	36.532M	36.35M	36.432M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	79.9M	75.162M	81.4M	74.663M	81M	75.162M	81.2M	74.863M
5775MHz	Pass	500k	75.8M	75.962M	75.5M	75.962M	76.3M	75.962M	76.3M	75.862M

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

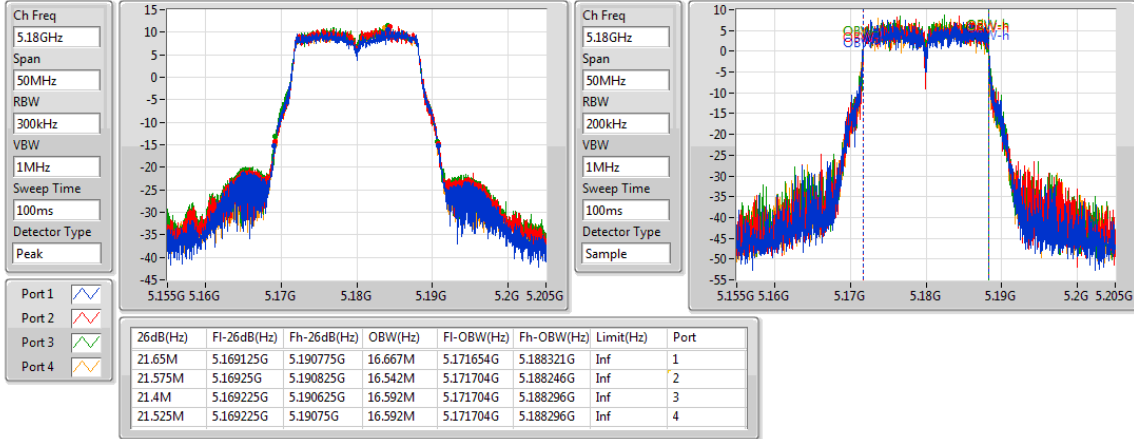
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5180MHz

30/03/2018

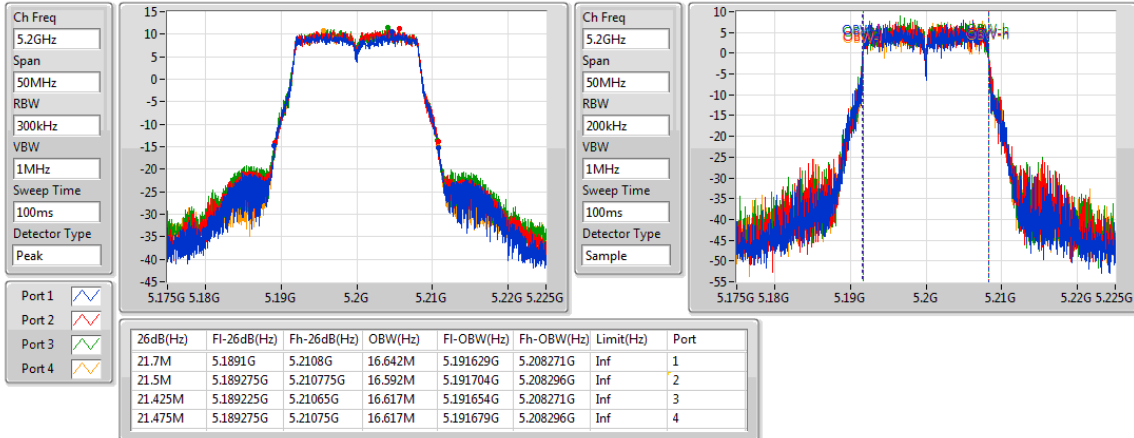


802.11a_Nss1,(6Mbps)_4TX

EBW

5200MHz

30/03/2018

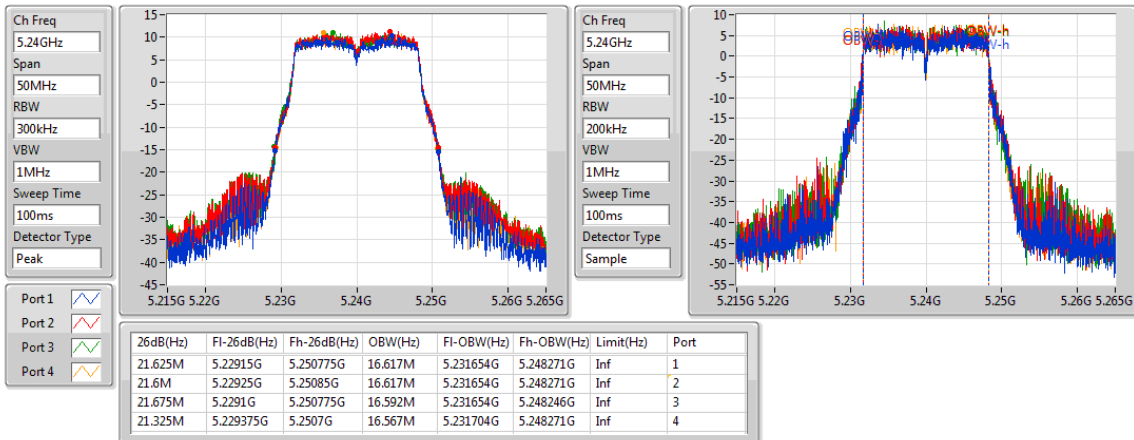


802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

30/03/2018

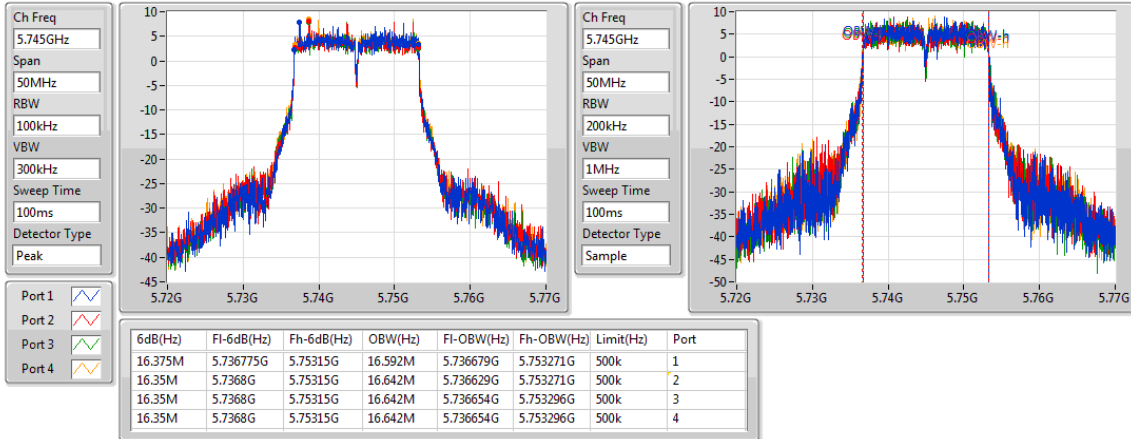


802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

26/03/2018

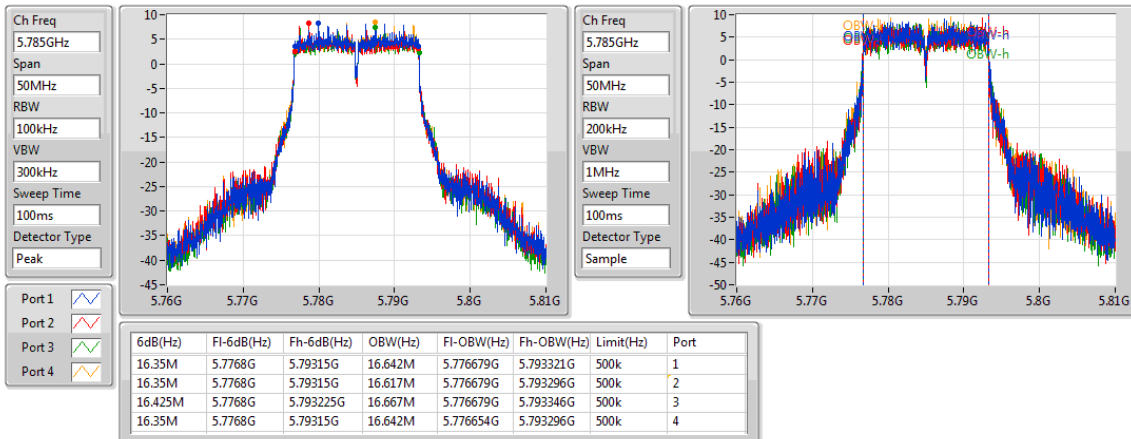


802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

26/03/2018

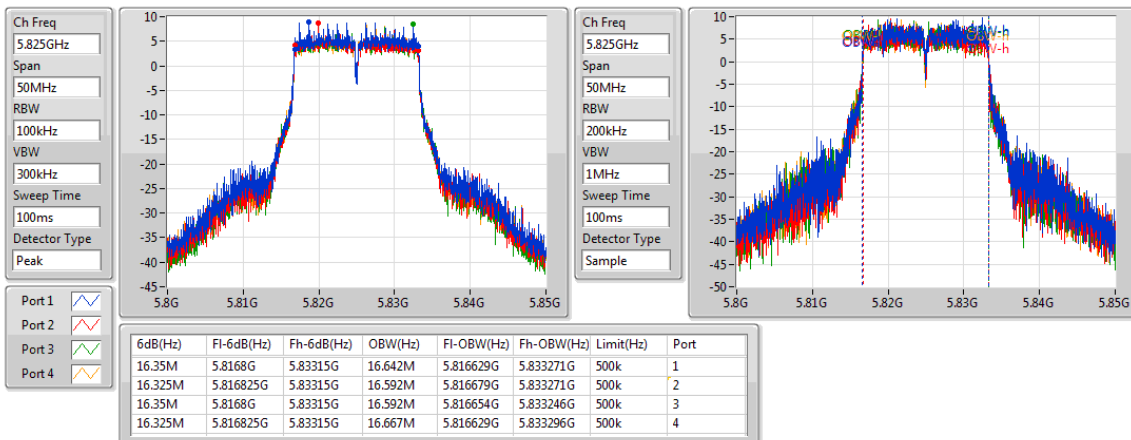


802.11a_Nss1,(6Mbps)_4TX

EBW

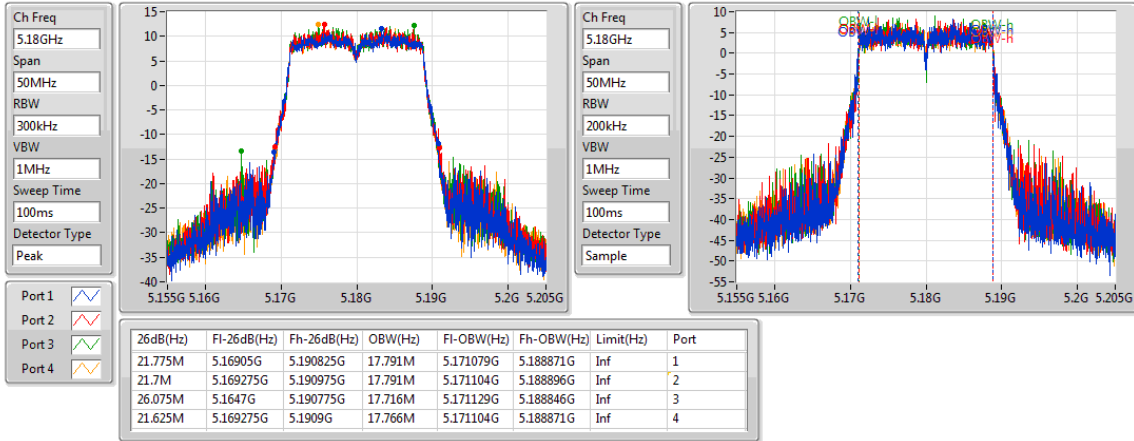
5825MHz

26/03/2018

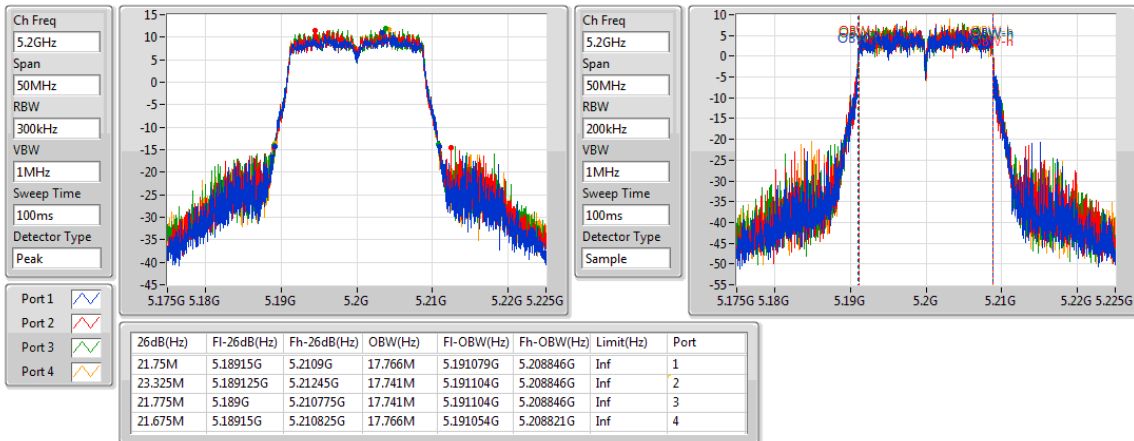


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5180MHz

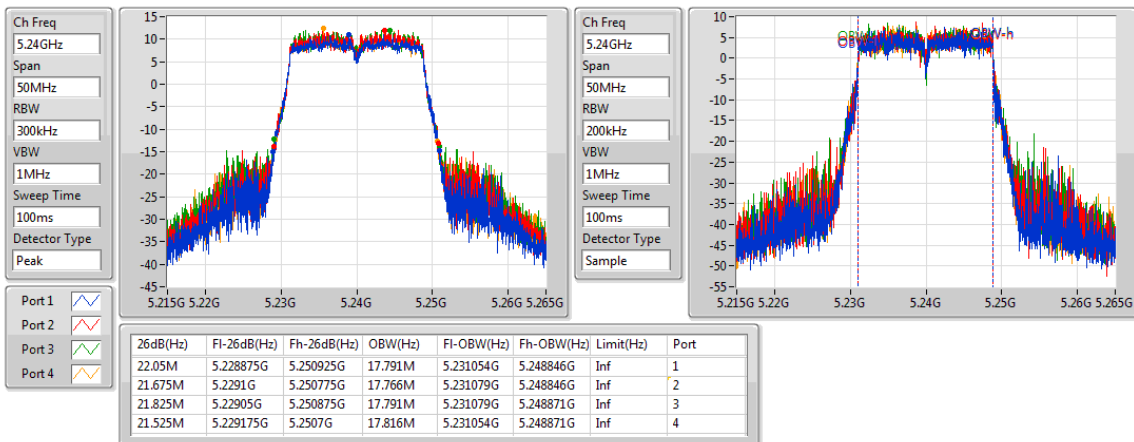
30/03/2018


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5200MHz

30/03/2018

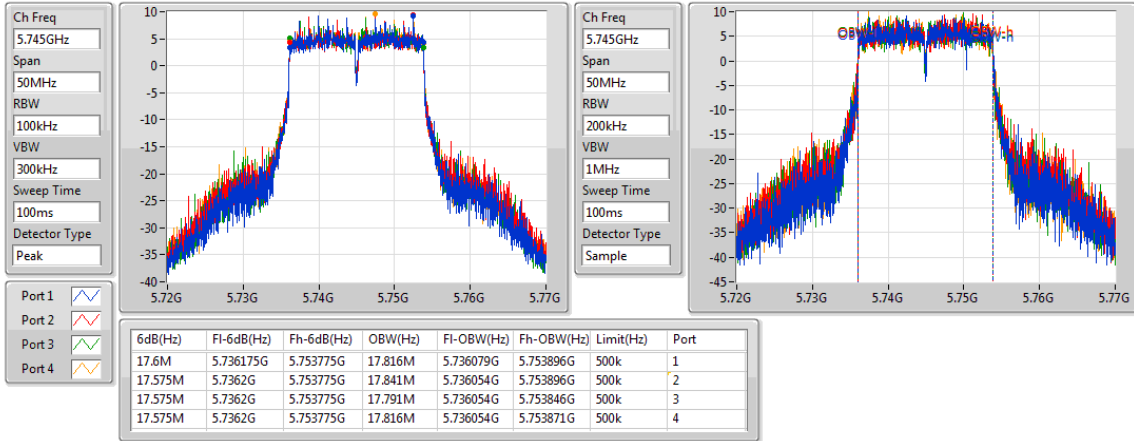

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5240MHz

30/03/2018

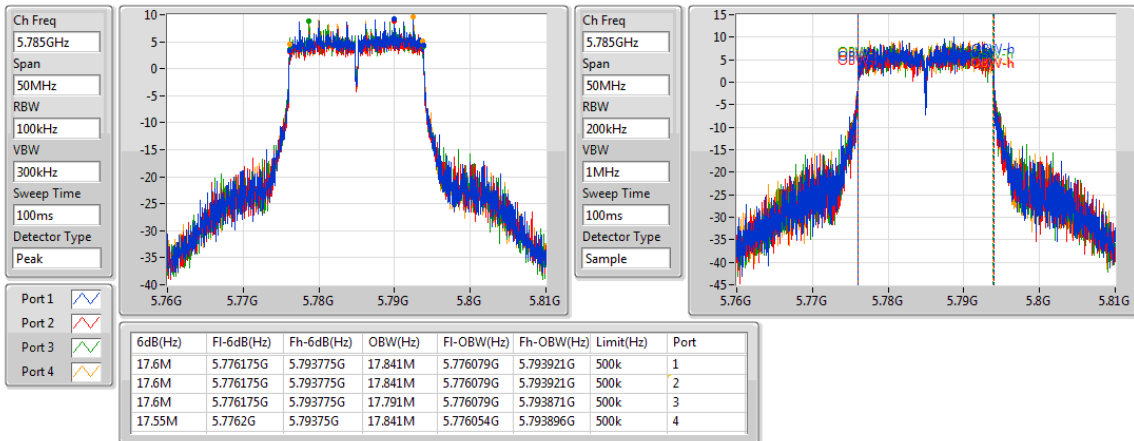


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5745MHz

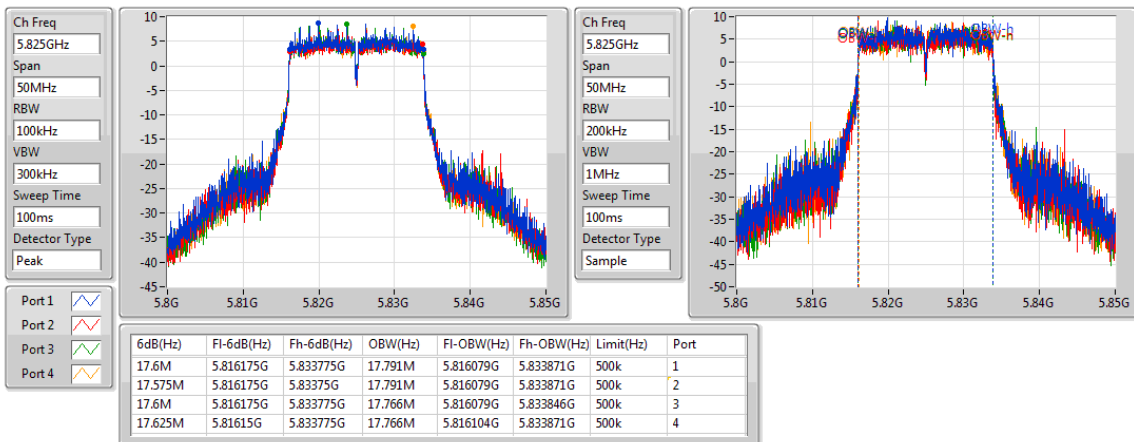
26/03/2018


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5785MHz

26/03/2018


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5825MHz

26/03/2018

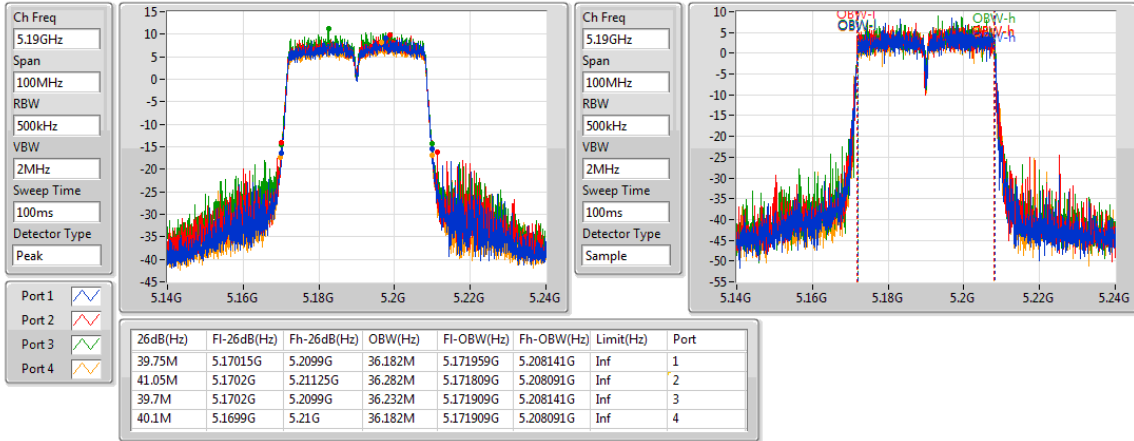


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5190MHz

26/03/2018

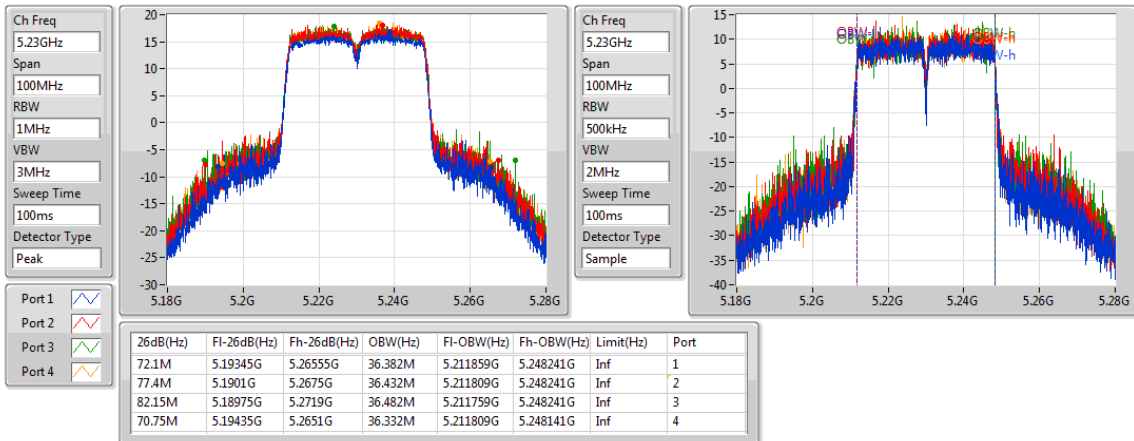


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5230MHz

30/03/2018

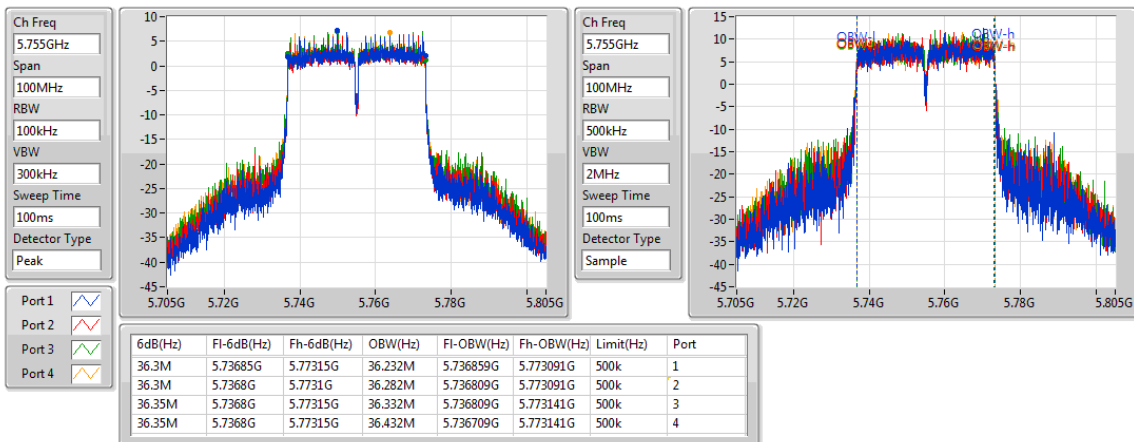


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5755MHz

26/03/2018

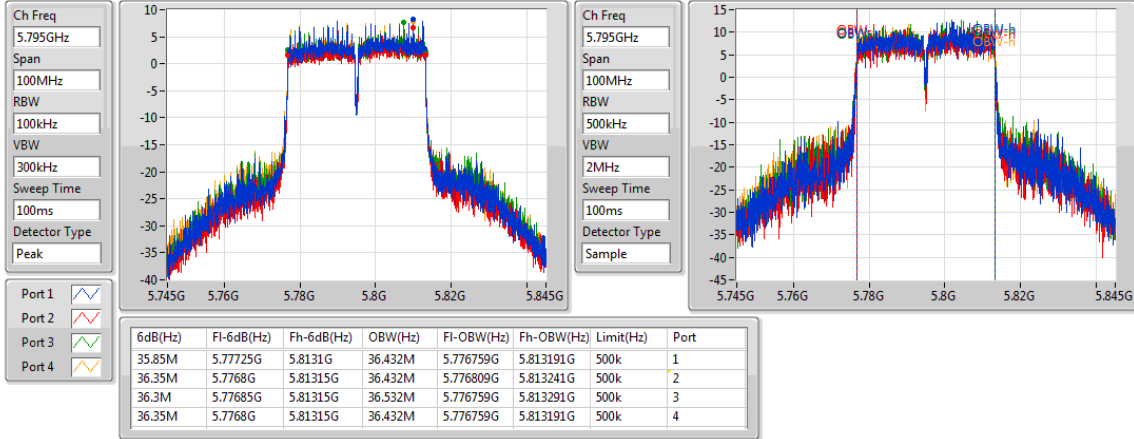


802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5795MHz

26/03/2018

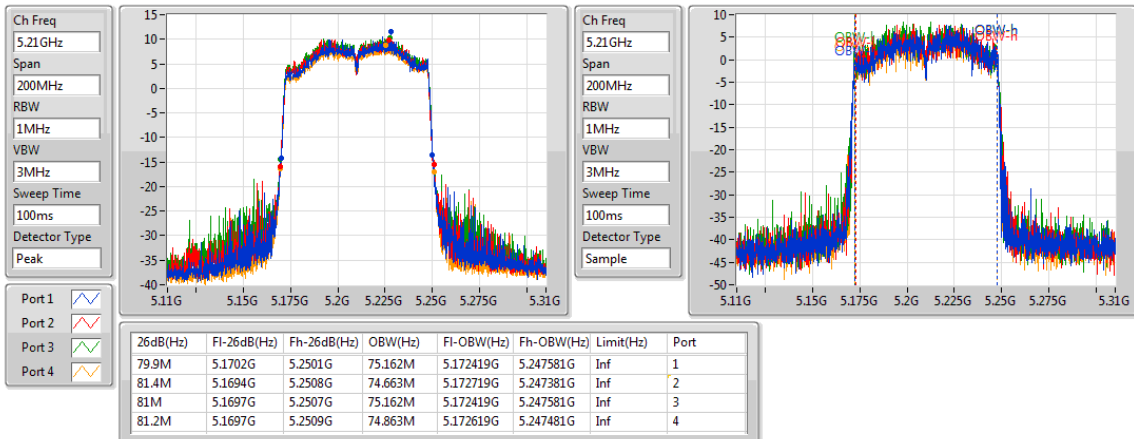


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

26/03/2018

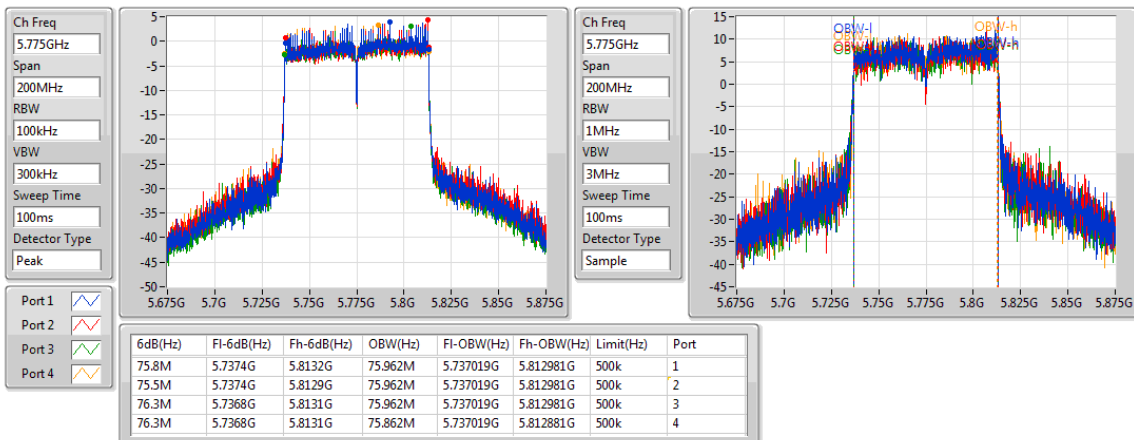


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5775MHz

26/03/2018



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	24.375M	17.791M	17M8D1D	21.475M	17.716M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	64.5M	36.332M	36M3D1D	39.65M	36.182M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	81.1M	75.062M	75M1D1D	79.4M	74.863M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.6M	17.841M	17M8D1D	17.55M	17.741M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	36.35M	36.382M	36M4D1D	36.3M	36.232M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	76.4M	75.862M	75M9D1D	75M	75.762M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	21.9M	17.741M	21.475M	17.716M	21.625M	17.791M	21.725M	17.716M
5200MHz_TnomVnom	Pass	Inf	24.375M	17.766M	21.85M	17.716M	21.65M	17.766M	21.625M	17.741M
5240MHz_TnomVnom	Pass	Inf	22.975M	17.766M	21.7M	17.741M	21.875M	17.766M	22.875M	17.791M
5745MHz_TnomVnom	Pass	500k	17.6M	17.791M	17.6M	17.741M	17.575M	17.816M	17.575M	17.841M
5785MHz_TnomVnom	Pass	500k	17.55M	17.741M	17.575M	17.791M	17.6M	17.741M	17.6M	17.766M
5825MHz_TnomVnom	Pass	500k	17.6M	17.791M	17.575M	17.741M	17.6M	17.791M	17.55M	17.766M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	40.4M	36.232M	39.7M	36.232M	39.65M	36.232M	40.45M	36.282M
5230MHz_TnomVnom	Pass	Inf	46.4M	36.182M	64.5M	36.282M	49.8M	36.332M	61.3M	36.232M
5755MHz_TnomVnom	Pass	500k	36.35M	36.232M	36.35M	36.332M	36.35M	36.332M	36.3M	36.332M
5795MHz_TnomVnom	Pass	500k	36.35M	36.332M	36.35M	36.382M	36.3M	36.282M	36.35M	36.282M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	Inf	81.1M	75.062M	80M	74.863M	79.6M	74.863M	79.4M	75.062M
5775MHz_TnomVnom	Pass	500k	75.9M	75.862M	76M	75.762M	75M	75.862M	76.4M	75.762M

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

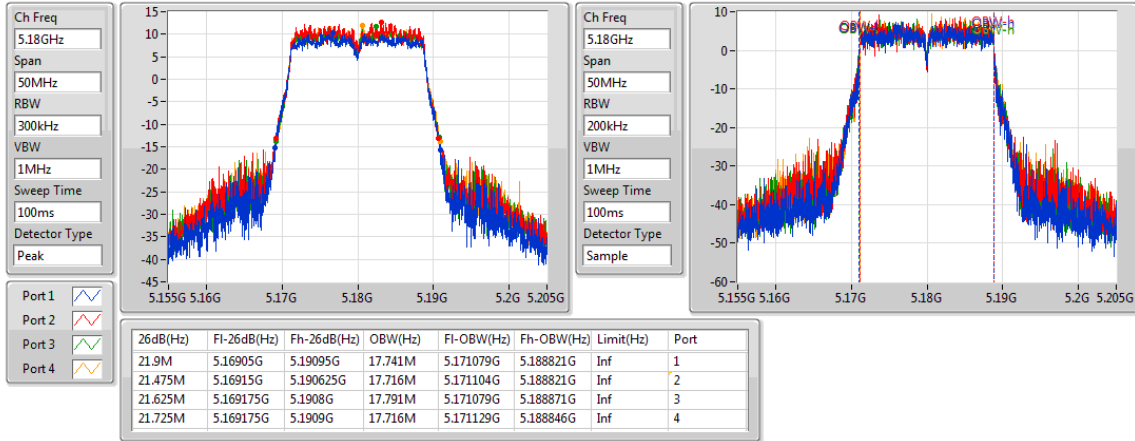
Port X-OBW = Port X 99% occupied bandwidth;

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5180MHz

29/03/2018

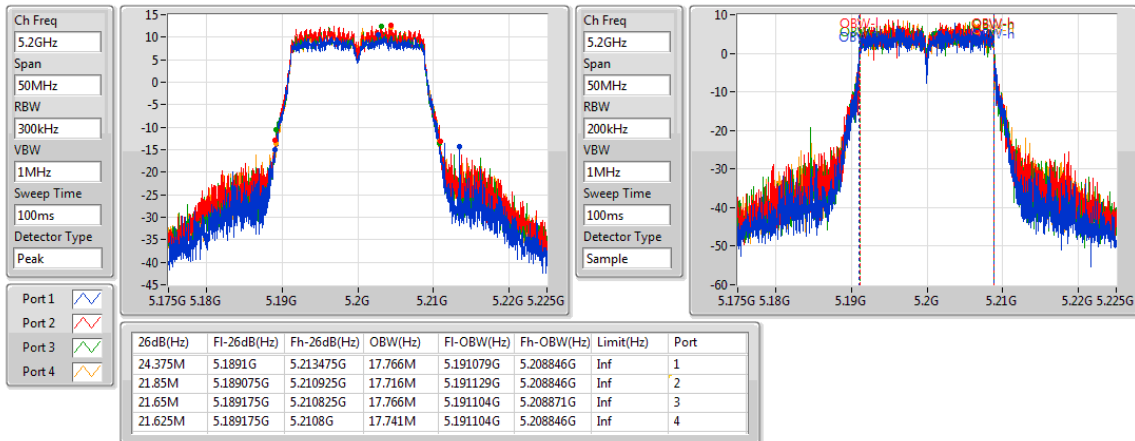


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5200MHz

29/03/2018

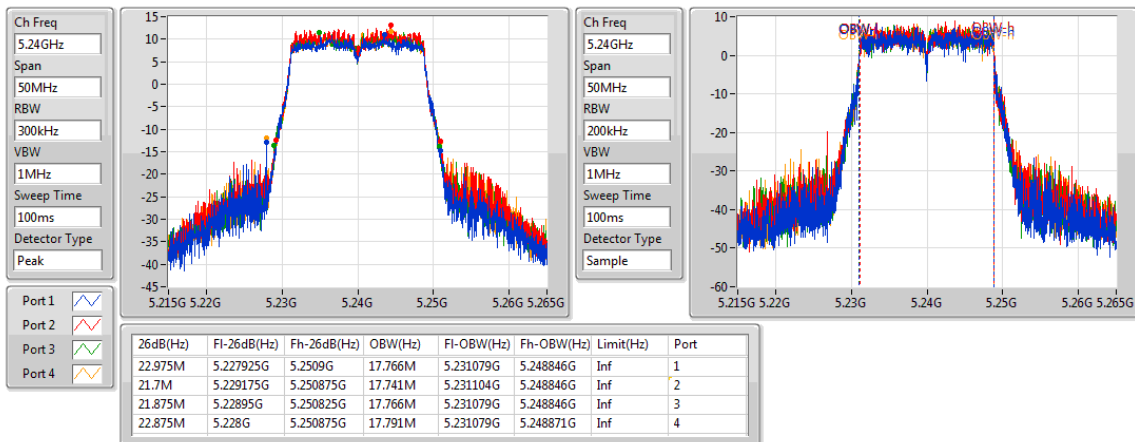


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

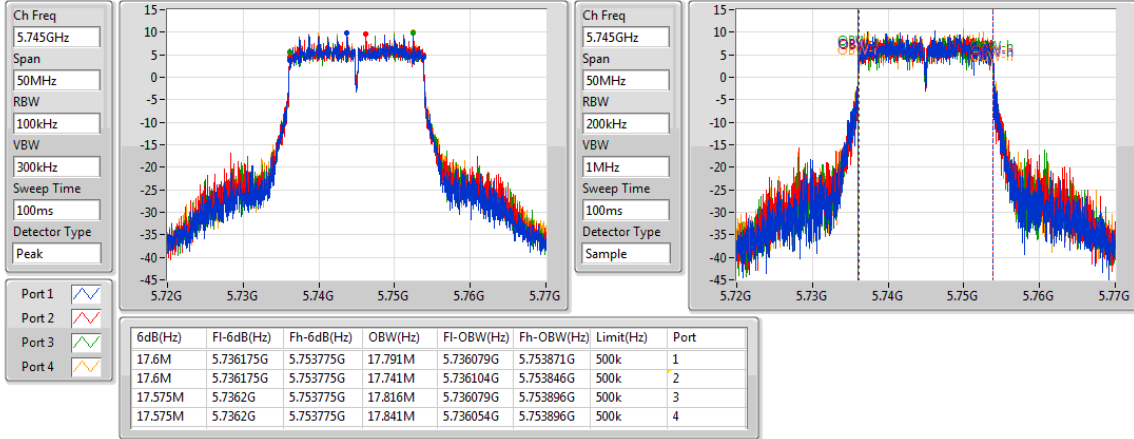
5240MHz

29/03/2018

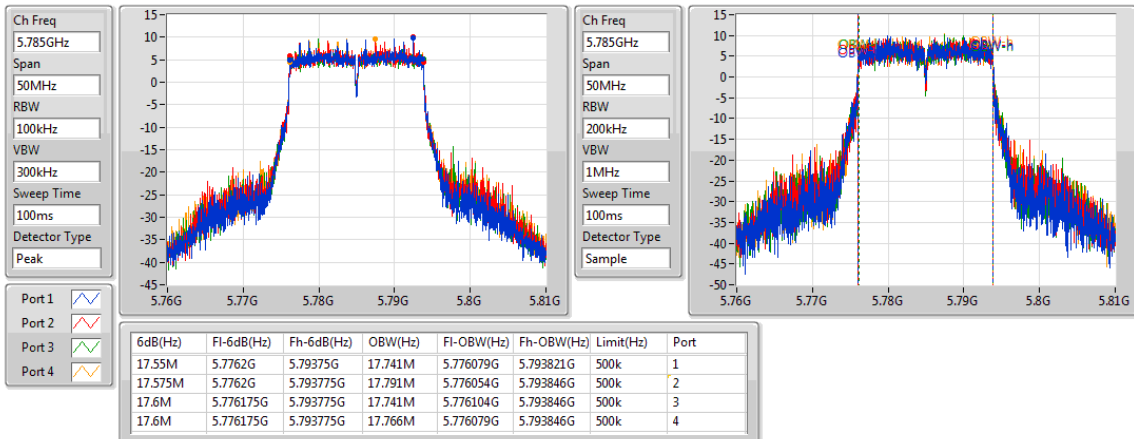


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5745MHz

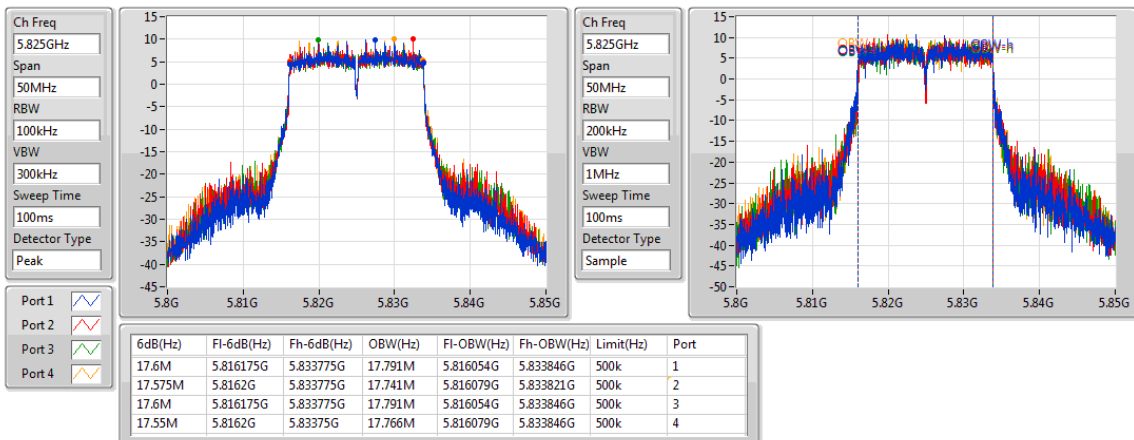
30/03/2018


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5785MHz

30/03/2018


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5825MHz

30/03/2018

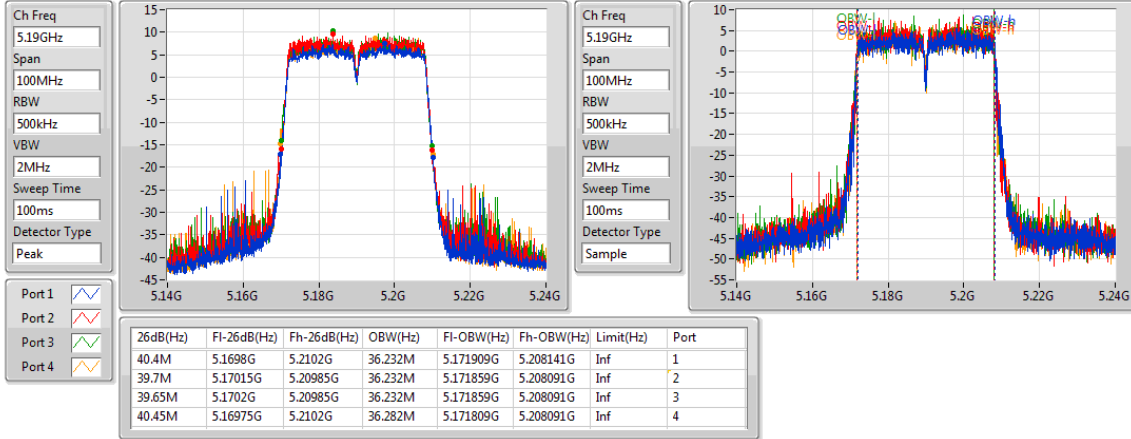


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5190MHz

30/03/2018

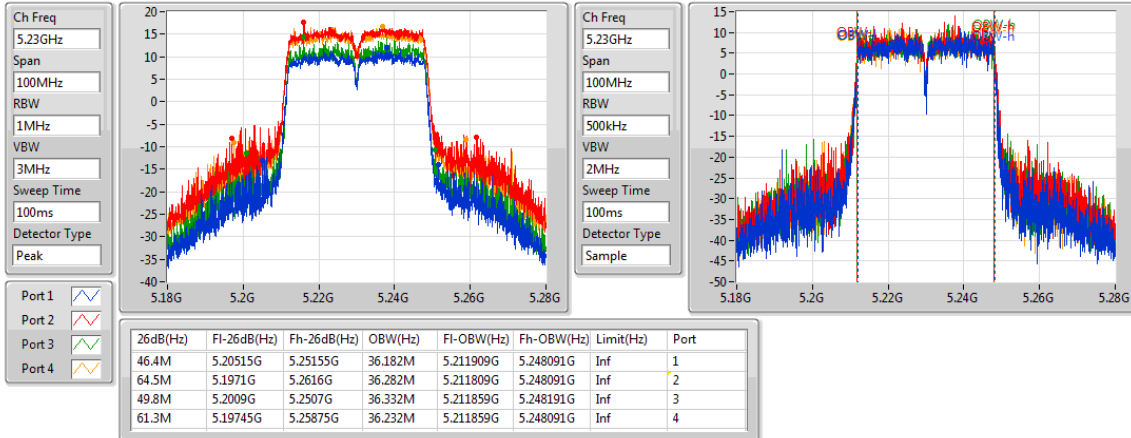


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5230MHz

30/03/2018

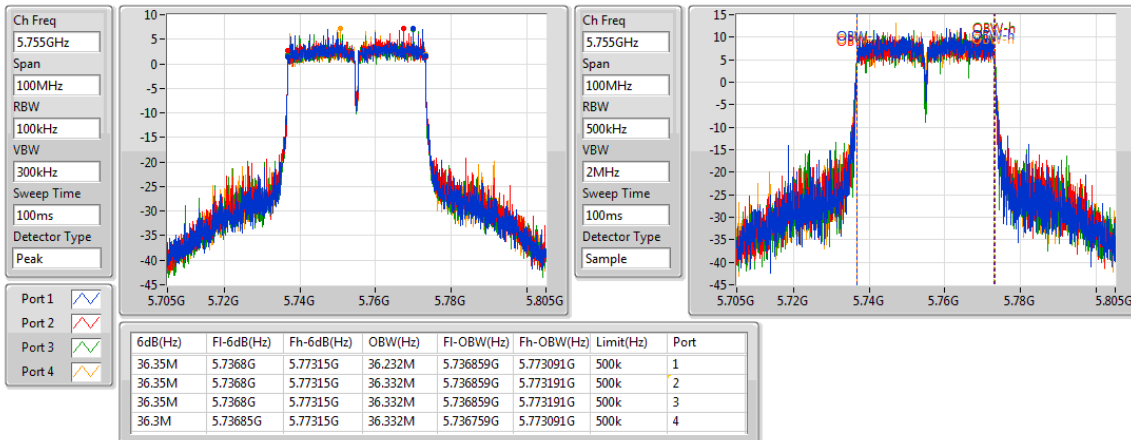


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5755MHz

30/03/2018

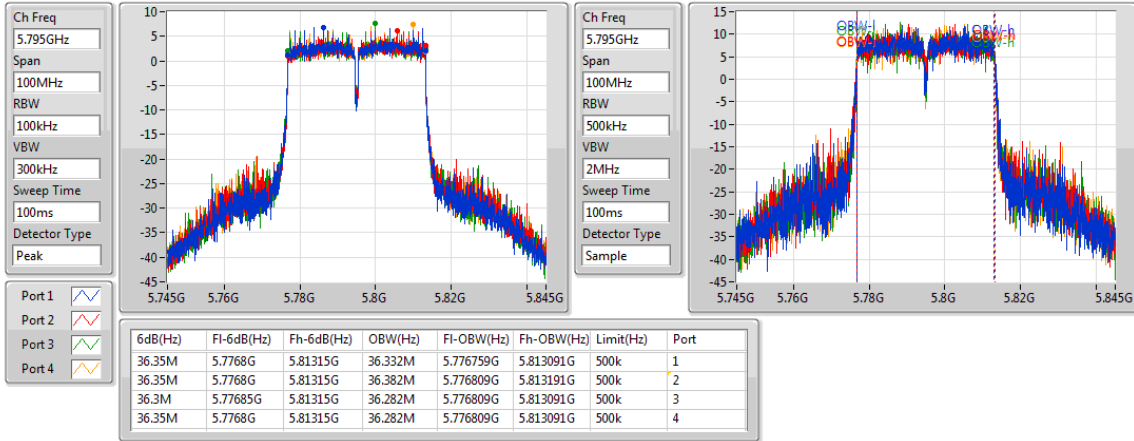


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5795MHz

30/03/2018

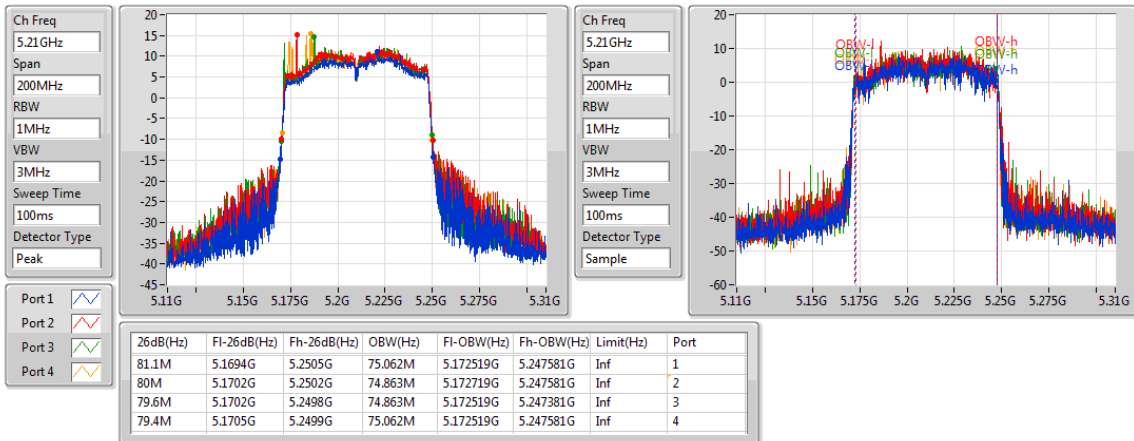


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5210MHz

30/03/2018

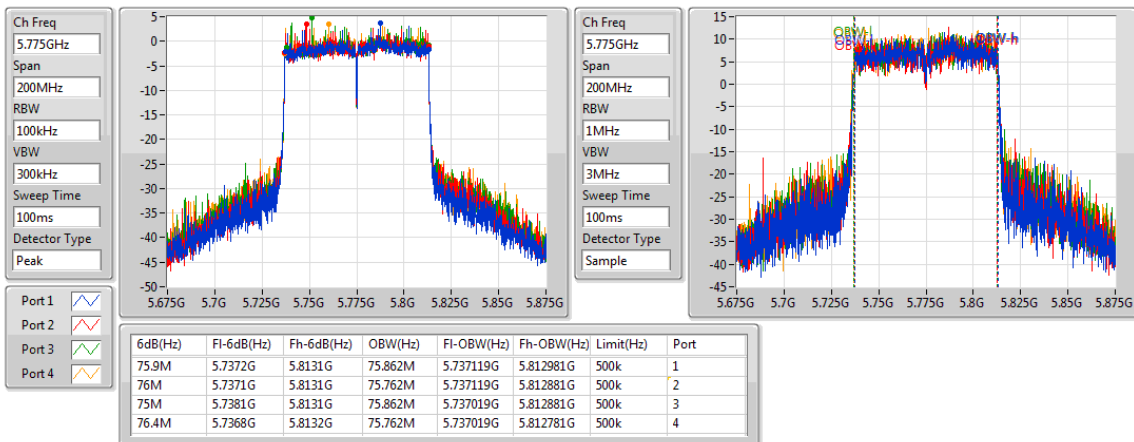


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5775MHz

30/03/2018



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	25.22	0.33266	29.30	0.85114
802.11ac VHT20_Nss1,(MCS0)_4TX	25.53	0.35727	29.61	0.91411
802.11ac VHT40_Nss1,(MCS0)_4TX	28.53	0.71285	32.61	1.82390
802.11ac VHT80_Nss1,(MCS0)_4TX	22.82	0.19143	26.90	0.48978
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	26.82	0.48084	30.62	1.15345
802.11ac VHT20_Nss1,(MCS0)_4TX	27.70	0.58884	31.50	1.41254
802.11ac VHT40_Nss1,(MCS0)_4TX	28.08	0.64269	31.88	1.54170
802.11ac VHT80_Nss1,(MCS0)_4TX	26.94	0.49431	30.74	1.18577



Power Result – Non-Beamforming

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.08	18.80	19.33	19.48	19.16	25.22	30.00	29.30	36.00
5200MHz	Pass	4.08	18.81	19.30	19.45	19.16	25.21	30.00	29.29	36.00
5240MHz	Pass	4.08	18.76	19.30	19.42	19.07	25.17	30.00	29.25	36.00
5745MHz	Pass	3.80	20.89	20.49	20.43	20.80	26.68	30.00	30.48	36.00
5785MHz	Pass	3.80	21.09	20.73	20.45	20.91	26.82	30.00	30.62	36.00
5825MHz	Pass	3.80	21.22	20.57	20.64	20.69	26.81	30.00	30.61	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.08	19.32	19.55	19.70	19.46	25.53	30.00	29.61	36.00
5200MHz	Pass	4.08	18.87	19.30	19.52	19.24	25.26	30.00	29.34	36.00
5240MHz	Pass	4.08	18.99	19.71	19.80	19.47	25.52	30.00	29.60	36.00
5745MHz	Pass	3.80	21.77	21.56	21.60	21.79	27.70	30.00	31.50	36.00
5785MHz	Pass	3.80	21.62	21.21	21.38	21.54	27.46	30.00	31.26	36.00
5825MHz	Pass	3.80	21.27	20.62	20.75	20.88	26.91	30.00	30.71	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.08	17.20	17.46	17.90	16.90	23.40	30.00	27.48	36.00
5230MHz	Pass	4.08	21.98	22.73	22.65	22.63	28.53	30.00	32.61	36.00
5755MHz	Pass	3.80	21.62	21.20	21.59	21.85	27.59	30.00	31.39	36.00
5795MHz	Pass	3.80	22.20	21.54	22.12	22.34	28.08	30.00	31.88	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.08	16.52	16.86	17.54	16.16	22.82	30.00	26.90	36.00
5775MHz	Pass	3.80	21.21	20.98	20.53	20.95	26.94	30.00	30.74	36.00

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

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	24.81	0.30269	34.91	3.09742
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	25.76	0.37670	35.86	3.85478
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	23.43	0.22029	33.53	2.25424
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	26.14	0.41115	35.96	3.94457
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	26.16	0.41305	35.98	3.96278
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	25.87	0.38637	35.69	3.70681

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	10.10	18.58	19.44	18.81	18.26	24.81	25.90	34.91	36.00
5200MHz_TnomVnom	Pass	10.10	18.19	19.54	18.33	17.85	24.55	25.90	34.65	36.00
5240MHz_TnomVnom	Pass	10.10	17.84	19.43	18.74	18.54	24.69	25.90	34.79	36.00
5745MHz_TnomVnom	Pass	9.82	19.66	20.29	20.56	19.91	26.14	26.18	35.96	36.00
5785MHz_TnomVnom	Pass	9.82	19.95	20.25	20.02	20.10	26.10	26.18	35.92	36.00
5825MHz_TnomVnom	Pass	9.82	20.13	19.80	20.43	20.09	26.14	26.18	35.96	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	10.10	15.62	15.93	15.26	14.99	21.49	25.90	31.59	36.00
5230MHz_TnomVnom	Pass	10.10	19.29	20.19	19.76	19.67	25.76	25.90	35.86	36.00
5755MHz_TnomVnom	Pass	9.82	20.13	20.28	20.01	20.12	26.16	26.18	35.98	36.00
5795MHz_TnomVnom	Pass	9.82	20.25	19.98	20.02	19.88	26.06	26.18	35.88	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	10.10	16.78	17.59	17.75	17.45	23.43	25.90	33.53	36.00
5775MHz_TnomVnom	Pass	9.82	19.55	19.43	20.13	20.24	25.87	26.18	35.69	36.00

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

**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	12.88	22.98
802.11ac VHT20_Nss1,(MCS0)_4TX	12.87	22.97
802.11ac VHT40_Nss1,(MCS0)_4TX	12.82	22.92
802.11ac VHT80_Nss1,(MCS0)_4TX	4.90	15.00
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	12.41	22.23
802.11ac VHT20_Nss1,(MCS0)_4TX	13.26	23.08
802.11ac VHT40_Nss1,(MCS0)_4TX	10.52	20.34
802.11ac VHT80_Nss1,(MCS0)_4TX	6.38	16.20

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.10	6.92	7.41	7.41	7.15	12.88	12.90	22.98	23.00
5200MHz	Pass	10.10	6.93	7.55	7.34	6.97	12.81	12.90	22.91	23.00
5240MHz	Pass	10.10	6.82	7.36	7.52	6.92	12.83	12.90	22.93	23.00
5745MHz	Pass	9.82	6.64	6.74	6.45	6.63	12.30	26.18	22.12	36.00
5785MHz	Pass	9.82	6.98	6.69	6.52	6.79	12.33	26.18	22.15	36.00
5825MHz	Pass	9.82	7.13	6.86	6.57	6.93	12.41	26.18	22.23	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.10	7.20	7.03	7.41	7.19	12.84	12.90	22.94	23.00
5200MHz	Pass	10.10	6.97	7.21	7.29	7.08	12.83	12.90	22.93	23.00
5240MHz	Pass	10.10	6.92	7.35	7.62	7.01	12.87	12.90	22.97	23.00
5745MHz	Pass	9.82	7.59	7.26	7.82	7.78	13.26	26.18	23.08	36.00
5785MHz	Pass	9.82	7.08	7.11	7.24	7.23	12.73	26.18	22.55	36.00
5825MHz	Pass	9.82	6.74	6.76	6.80	6.65	12.32	26.18	22.14	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	10.10	1.32	1.48	2.17	1.23	7.41	12.90	17.51	23.00
5230MHz	Pass	10.10	6.41	7.13	7.24	7.11	12.82	12.90	22.92	23.00
5755MHz	Pass	9.82	3.96	3.73	4.23	4.45	10.02	26.18	19.84	36.00
5795MHz	Pass	9.82	4.69	4.18	4.76	4.67	10.52	26.18	20.34	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	10.10	-1.24	-0.95	-0.30	-1.43	4.90	12.90	15.00	23.00
5775MHz	Pass	9.82	0.68	0.52	0.03	0.48	6.38	26.18	16.20	36.00

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

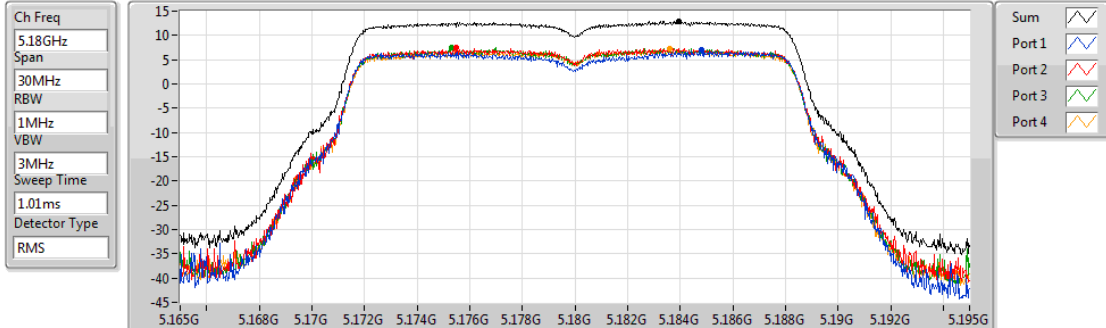
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

30/03/2018



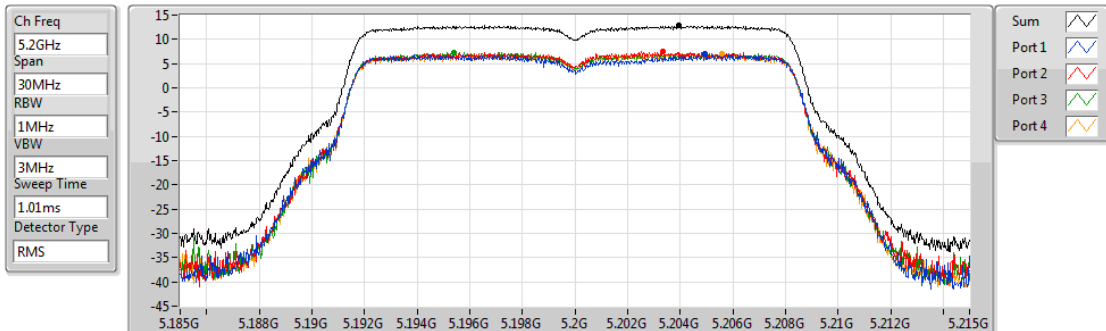
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.88	12.88	6.92	7.41	7.41	7.15

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

30/03/2018



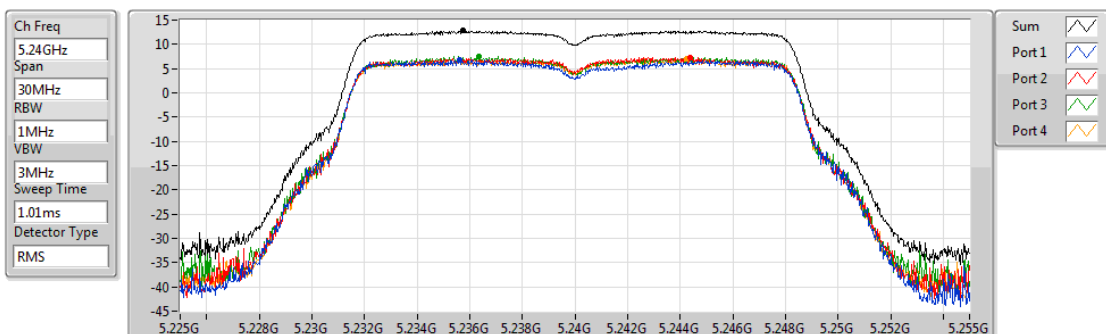
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.81	12.81	6.93	7.55	7.34	6.97

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

30/03/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.83	12.83	6.82	7.36	7.52	6.92

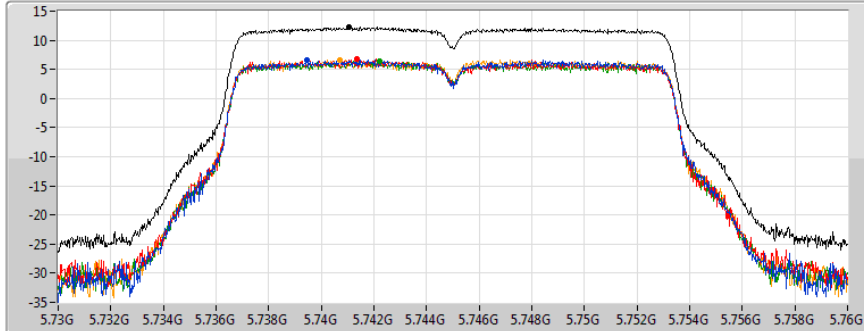
802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

26/03/2018

Ch Freq
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



Sum ☒
Port 1 ☐
Port 2 ☐
Port 3 ☐
Port 4 ☐

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.30	12.30	6.64	6.74	6.45	6.63

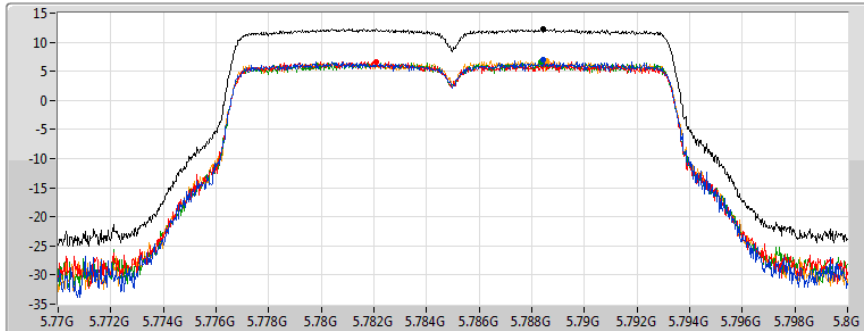
802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

26/03/2018

Ch Freq
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



Sum ☒
Port 1 ☐
Port 2 ☐
Port 3 ☐
Port 4 ☐

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.33	12.33	6.98	6.69	6.52	6.79

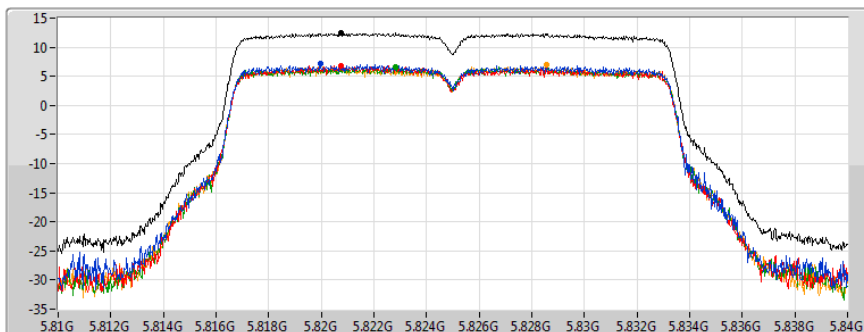
802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

26/03/2018

Ch Freq
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



Sum ☒
Port 1 ☐
Port 2 ☐
Port 3 ☐
Port 4 ☐

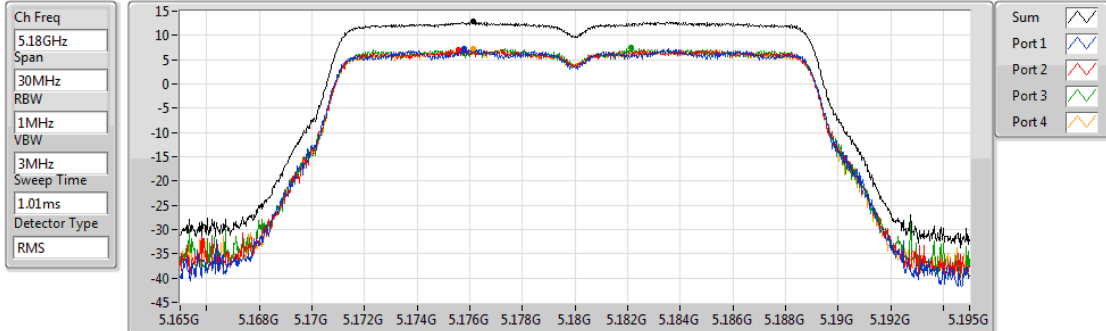
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.41	12.41	7.13	6.86	6.57	6.93

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5180MHz

30/03/2018

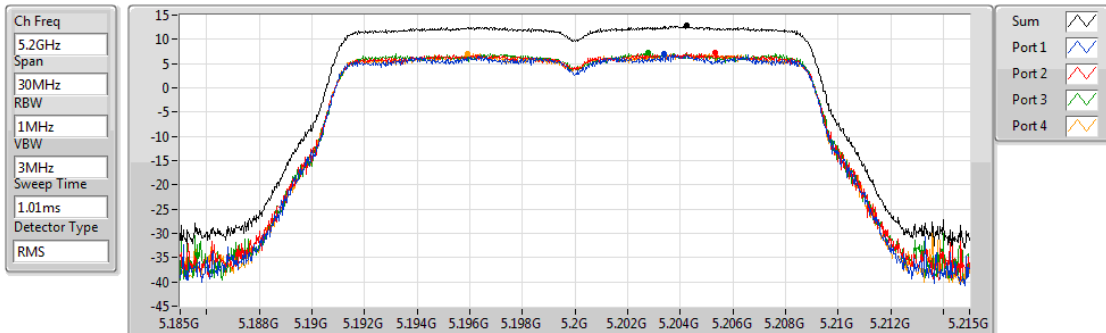


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5200MHz

30/03/2018

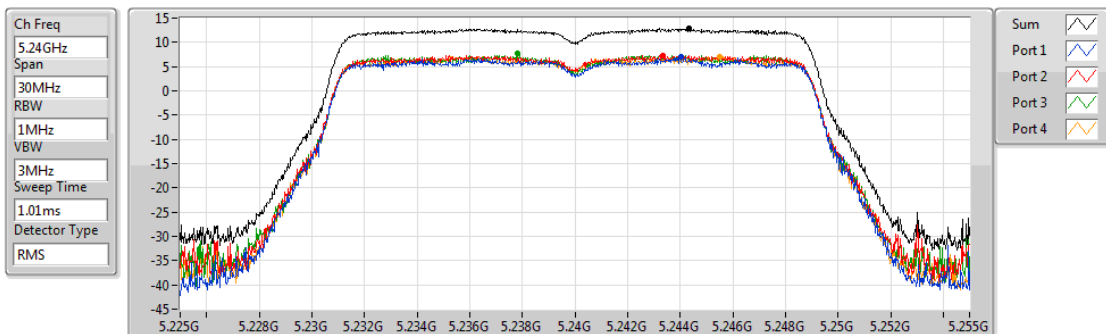


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5240MHz

30/03/2018

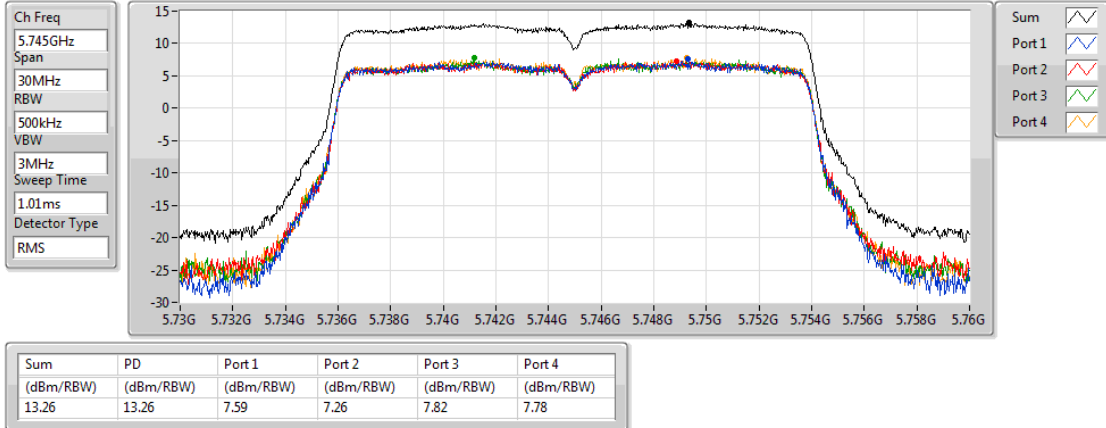


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5745MHz

26/03/2018

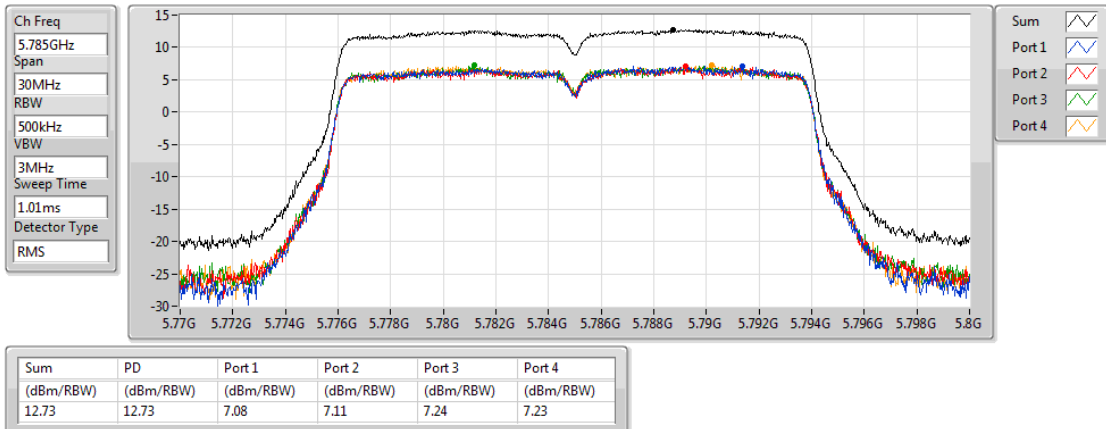


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5785MHz

26/03/2018

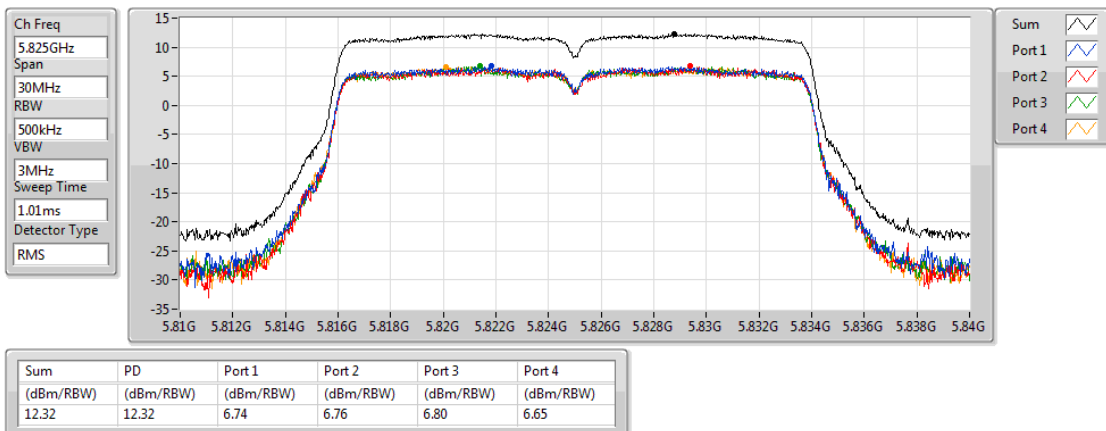


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5825MHz

26/03/2018

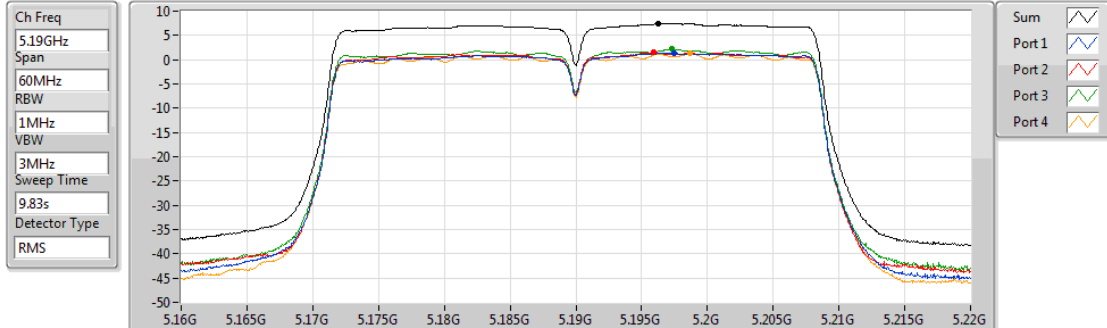


802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5190MHz

26/03/2018



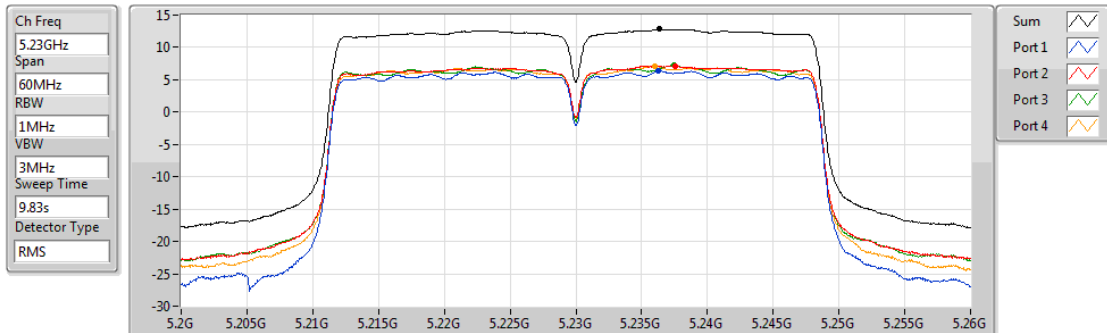
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.41	7.41	1.32	1.48	2.17	1.23

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5230MHz

30/03/2018



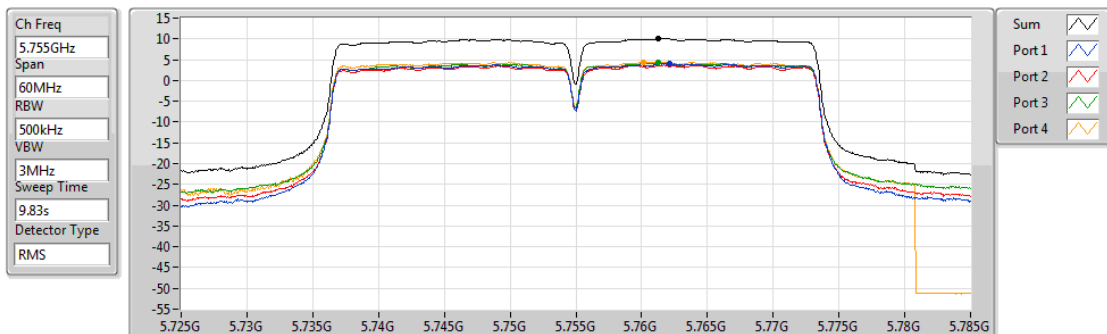
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.82	12.82	6.41	7.13	7.24	7.11

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5755MHz

26/03/2018



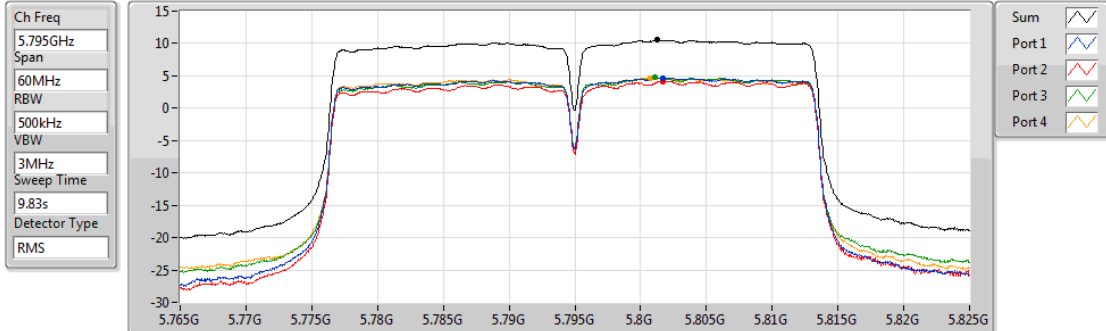
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.02	10.02	3.96	3.73	4.23	4.45

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5795MHz

26/03/2018



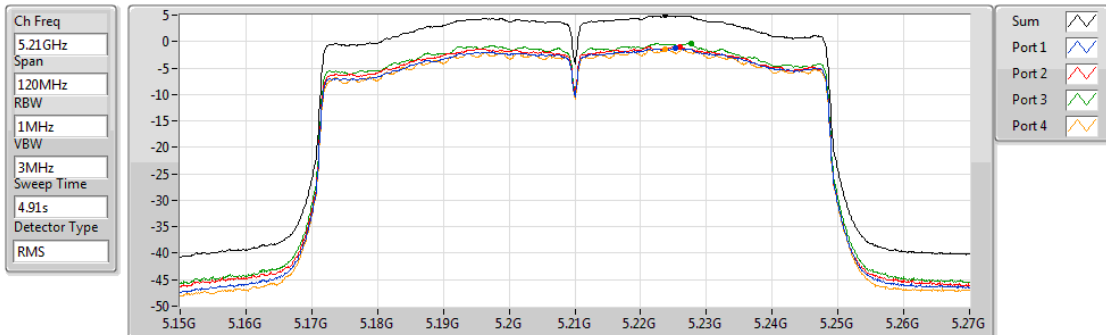
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.52	10.52	4.69	4.18	4.76	4.67

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5210MHz

26/03/2018



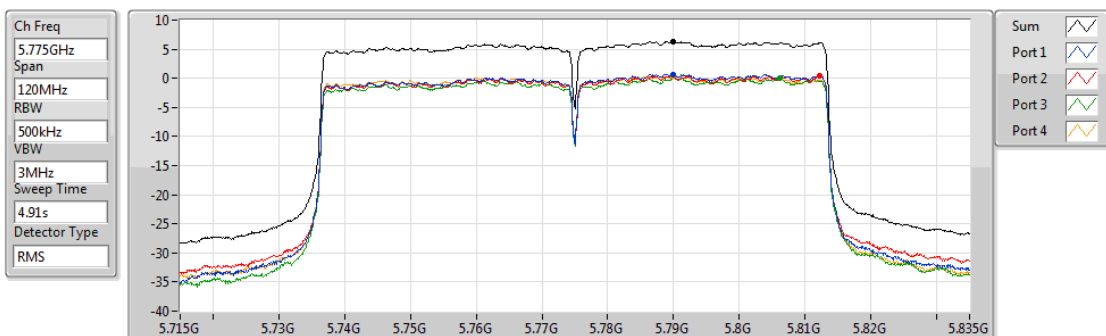
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.90	4.90	-1.24	-0.95	-0.30	-1.43

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5775MHz

26/03/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.38	6.38	0.68	0.52	0.03	0.48

**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	12.88	22.98
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	11.23	21.33
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	6.54	16.64
5.725-5.85GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	13.50	23.32
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	10.29	20.11
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	6.81	16.63

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	10.10	6.59	7.38	7.01	7.08	12.83	12.90	22.93	23.00
5200MHz_TnomVnom	Pass	10.10	6.44	7.32	6.87	7.05	12.84	12.90	22.94	23.00
5240MHz_TnomVnom	Pass	10.10	6.57	7.42	6.93	6.87	12.88	12.90	22.98	23.00
5745MHz_TnomVnom	Pass	9.82	7.55	7.59	7.61	7.64	13.50	26.18	23.32	36.00
5785MHz_TnomVnom	Pass	9.82	7.41	7.38	7.26	7.50	13.25	26.18	23.07	36.00
5825MHz_TnomVnom	Pass	9.82	7.45	7.41	7.43	7.57	13.40	26.18	23.22	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	10.10	0.78	1.69	1.44	0.84	7.06	12.90	17.16	23.00
5230MHz_TnomVnom	Pass	10.10	5.14	6.02	5.55	5.16	11.23	12.90	21.33	23.00
5755MHz_TnomVnom	Pass	9.82	4.29	4.10	4.07	4.30	10.07	26.18	19.89	36.00
5795MHz_TnomVnom	Pass	9.82	4.55	4.33	4.29	4.43	10.29	26.18	20.11	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	10.10	0.23	1.35	0.77	0.39	6.54	12.90	16.64	23.00
5775MHz_TnomVnom	Pass	9.82	0.86	0.55	1.07	1.10	6.81	26.18	16.63	36.00

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

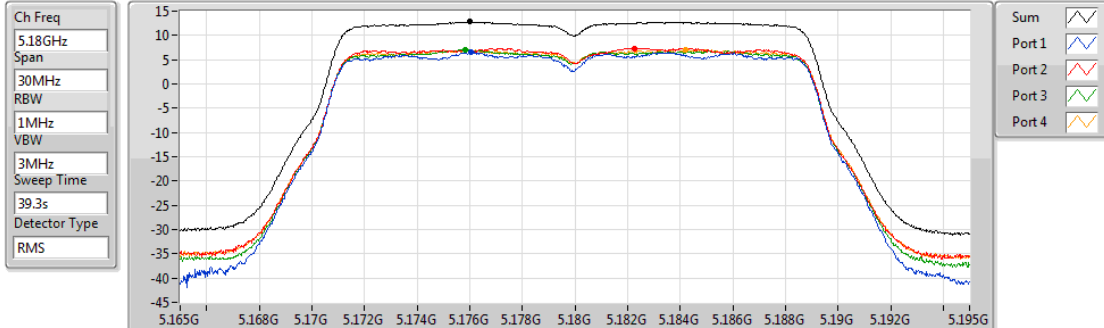
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

29/03/2018



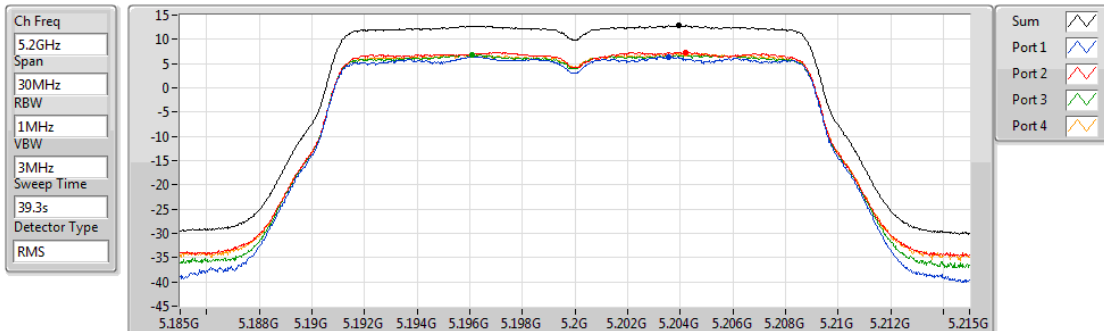
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.83	12.83	6.59	7.38	7.01	7.08

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

29/03/2018



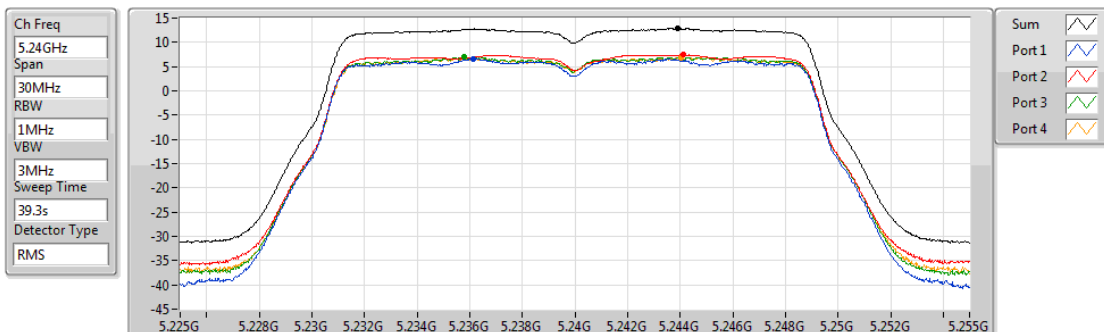
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.84	12.84	6.44	7.32	6.87	7.05

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

29/03/2018



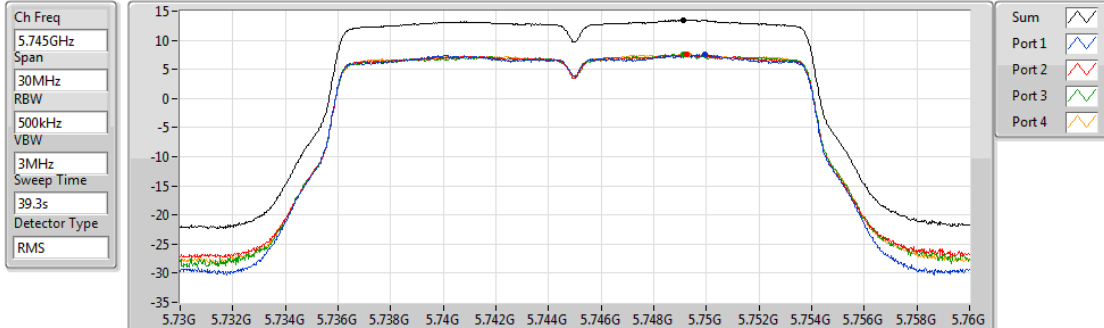
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.88	12.88	6.57	7.42	6.93	6.87

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

30/03/2018



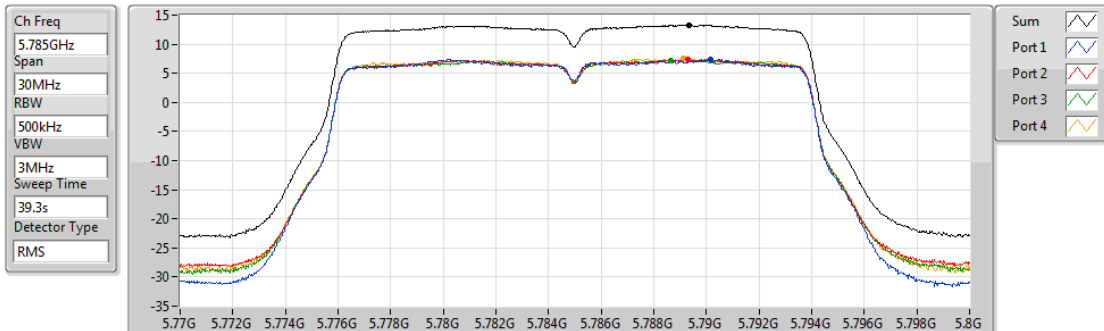
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.50	13.50	7.55	7.59	7.61	7.64

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

30/03/2018



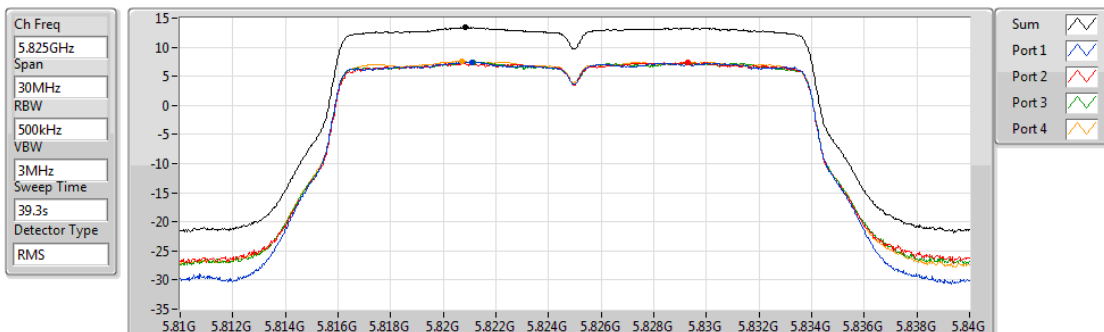
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.25	13.25	7.41	7.38	7.26	7.50

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

30/03/2018



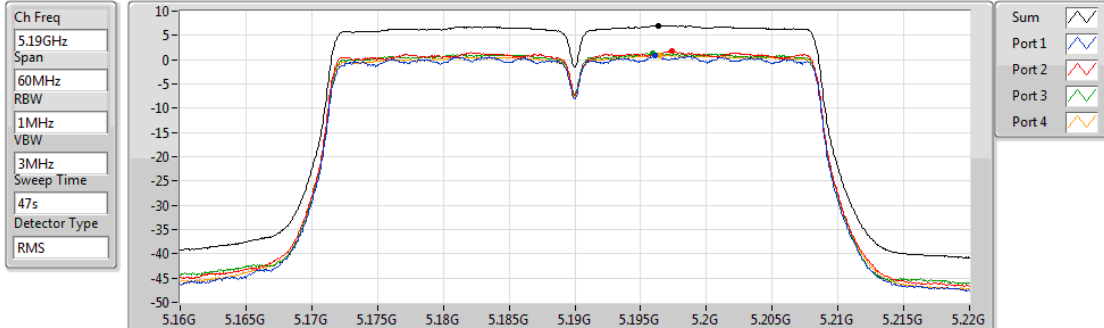
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.40	13.40	7.45	7.41	7.43	7.57

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

30/03/2018



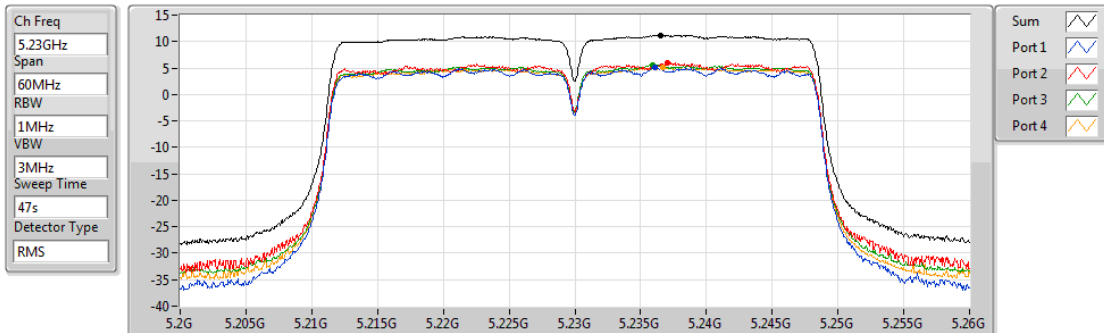
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.06	7.06	0.78	1.69	1.44	0.84

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

30/03/2018



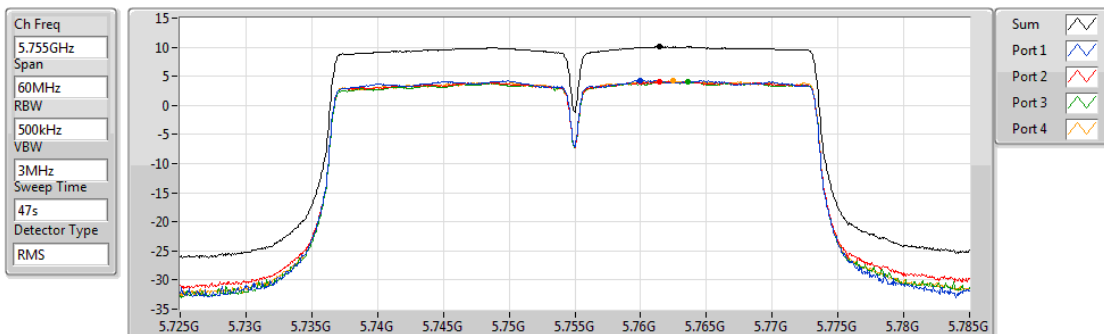
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
11.23	11.23	5.14	6.02	5.55	5.16

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

30/03/2018



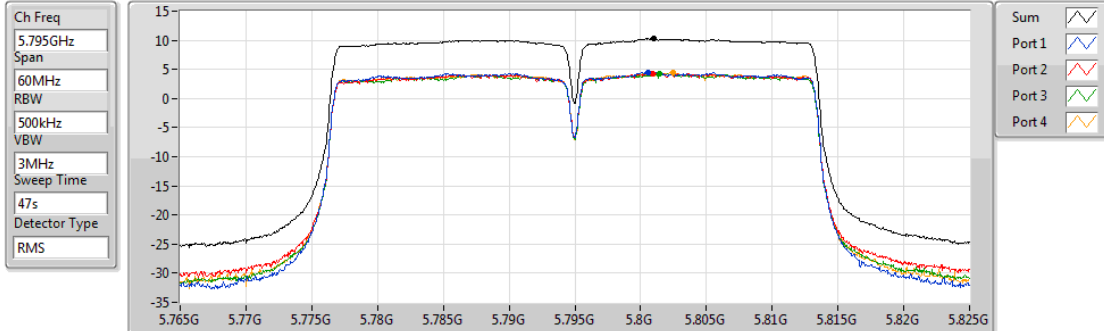
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.07	10.07	4.29	4.10	4.07	4.30

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

30/03/2018



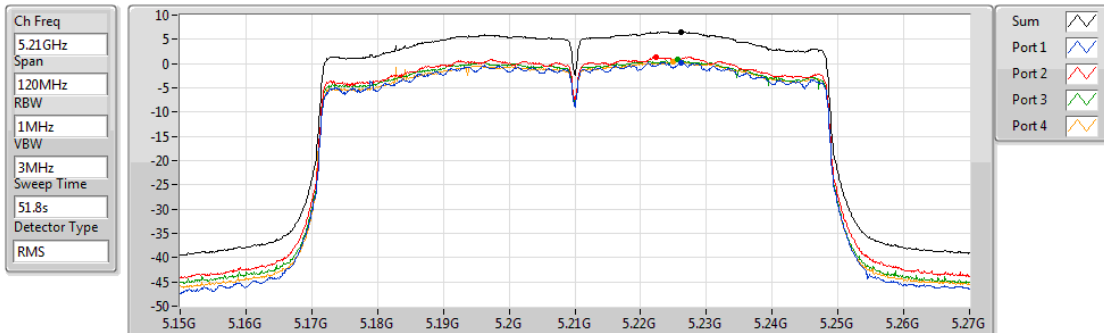
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.29	10.29	4.55	4.33	4.29	4.43

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

30/03/2018



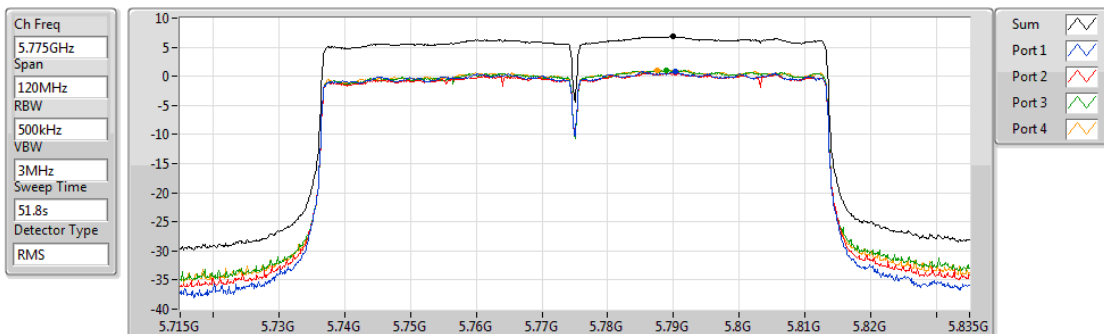
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.54	6.54	0.23	1.35	0.77	0.39

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

30/03/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.81	6.81	0.86	0.55	1.07	1.10

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	PK	901.06M	36.08	46.00	-9.92	2.83	3	Horizontal	360	1.00	-



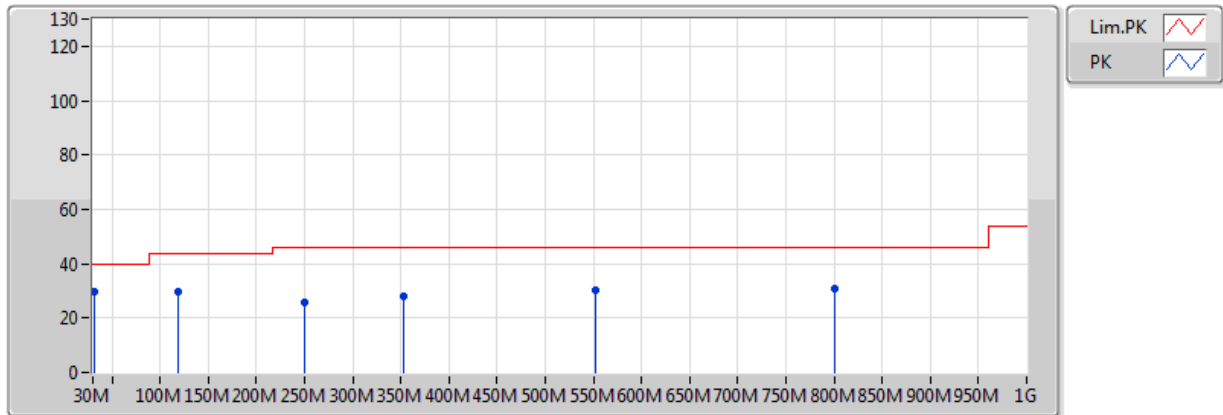
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	31.94M	26.21	40.00	-13.79	-3.57	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	148.34M	26.65	43.50	-16.85	-9.51	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	249.22M	30.02	46.00	-15.98	-6.60	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	373.38M	28.21	46.00	-17.79	-4.24	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	800.18M	33.45	46.00	-12.55	1.92	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	901.06M	36.08	46.00	-9.92	2.83	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	31.94M	29.50	40.00	-10.50	-3.57	3	Vertical	0	1.00	-
5775MHz	Pass	PK	119.24M	29.62	43.50	-13.88	-7.94	3	Vertical	0	1.00	-
5775MHz	Pass	PK	249.22M	25.54	46.00	-20.46	-6.60	3	Vertical	0	1.00	-
5775MHz	Pass	PK	352.04M	28.16	46.00	-17.84	-4.57	3	Vertical	0	1.00	-
5775MHz	Pass	PK	551.86M	30.19	46.00	-15.81	-0.38	3	Vertical	0	1.00	-
5775MHz	Pass	PK	800.18M	30.98	46.00	-15.02	1.92	3	Vertical	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_Adapter

24/03/2018

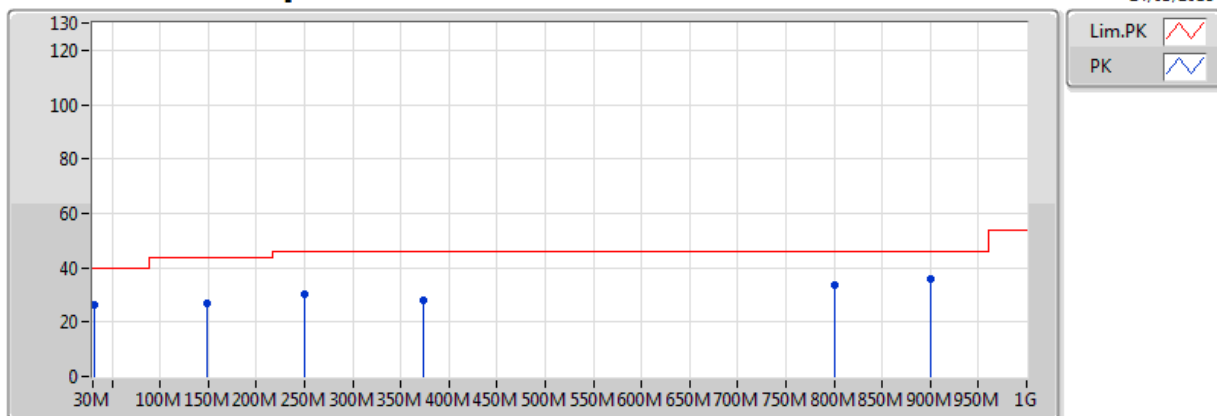


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.94M	29.50	40.00	-10.50	-3.57	3	Vertical	0	1.00	-	33.07	22.27	1.74	27.58
PK	119.24M	29.62	43.50	-13.88	-7.94	3	Vertical	0	1.00	-	37.56	17.28	2.06	27.28
PK	249.22M	25.54	46.00	-20.46	-6.60	3	Vertical	0	1.00	-	32.14	17.66	2.55	26.80
PK	352.04M	28.16	46.00	-17.84	-4.57	3	Vertical	0	1.00	-	32.73	19.45	2.97	27.00
PK	551.86M	30.19	46.00	-15.81	-0.38	3	Vertical	0	1.00	-	30.57	23.87	3.66	27.91
PK	800.18M	30.98	46.00	-15.02	1.92	3	Vertical	0	1.00	-	29.06	24.97	4.69	27.74

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_Adapter

24/03/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.94M	26.21	40.00	-13.79	-3.57	3	Horizontal	360	1.00	-	29.78	22.27	1.74	27.58
PK	148.34M	26.65	43.50	-16.85	-9.51	3	Horizontal	360	1.00	-	36.16	15.53	2.11	27.15
PK	249.22M	30.02	46.00	-15.98	-6.60	3	Horizontal	360	1.00	-	36.62	17.66	2.55	26.80
PK	373.38M	28.21	46.00	-17.79	-4.24	3	Horizontal	360	1.00	-	32.45	19.88	3.01	27.13
PK	800.18M	33.45	46.00	-12.55	1.92	3	Horizontal	360	1.00	-	31.53	24.97	4.69	27.74
PK	901.06M	36.08	46.00	-9.92	2.83	3	Horizontal	360	1.00	-	33.25	25.55	4.78	27.50

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	PK	55.22M	35.63	40.00	-4.37	-13.83	3	Vertical	360	1.00	-

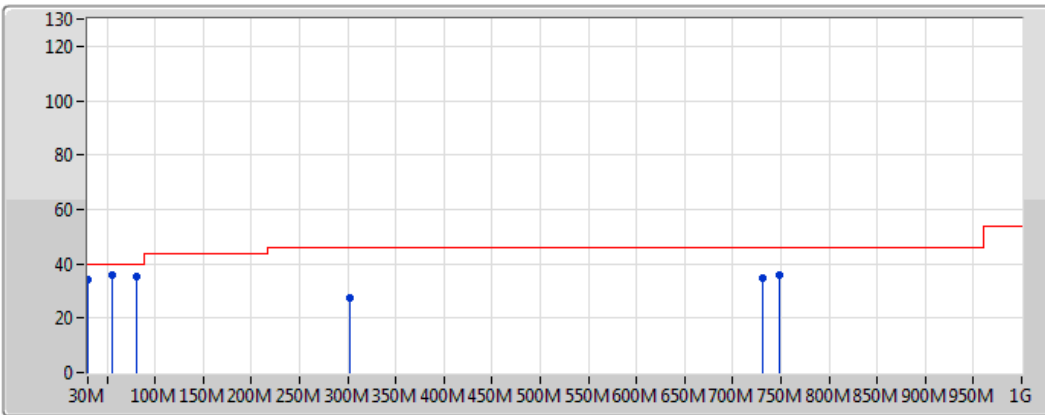
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	53.28M	25.68	40.00	-14.32	-13.47	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	150.28M	24.71	43.50	-18.79	-9.67	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	249.22M	26.36	46.00	-19.64	-6.60	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	301.6M	28.59	46.00	-17.41	-5.78	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	730.34M	37.69	46.00	-8.31	1.11	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	901.06M	37.81	46.00	-8.19	2.83	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	55.22M	35.63	40.00	-4.37	-13.83	3	Vertical	360	1.00	-
5775MHz	Pass	PK	80.44M	35.07	40.00	-4.93	-13.27	3	Vertical	360	1.00	-
5775MHz	Pass	PK	301.6M	27.48	46.00	-18.52	-5.78	3	Vertical	360	1.00	-
5775MHz	Pass	PK	730.34M	34.74	46.00	-11.26	1.11	3	Vertical	360	1.00	-
5775MHz	Pass	PK	747.8M	35.65	46.00	-10.35	1.47	3	Vertical	360	1.00	-
5775MHz	Pass	QP	30M	33.92	40.00	-6.08	-2.39	3	Vertical	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_Adapter

10/04/2018



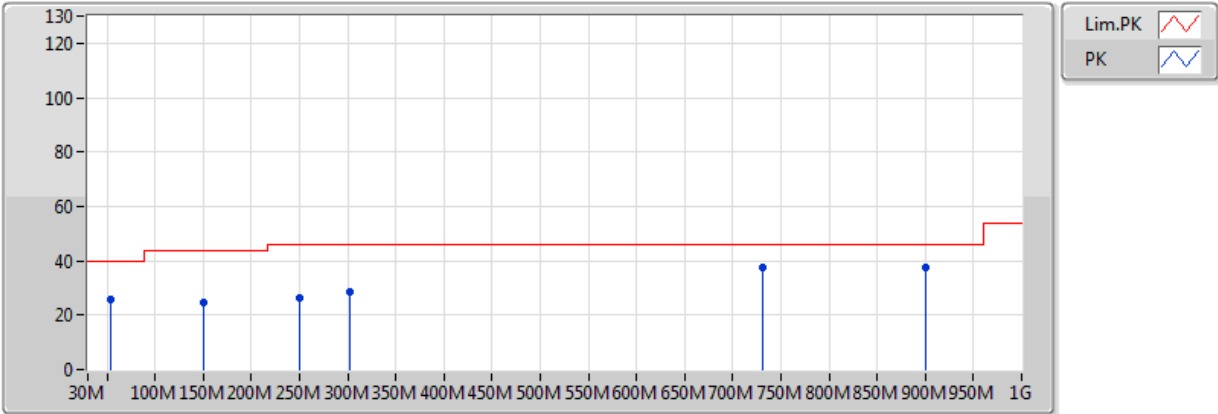
EUT = Z
Power set = 76

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	55.22M	35.63	40.00	-4.37	-13.83	3	Vertical	360	1.00	-	49.46	11.97	1.71	27.51
PK	80.44M	35.07	40.00	-4.93	-13.27	3	Vertical	360	1.00	-	48.34	12.10	2.06	27.43
PK	301.6M	27.48	46.00	-18.52	-5.78	3	Vertical	360	1.00	-	33.26	18.49	2.42	26.69
PK	730.34M	34.74	46.00	-11.26	1.11	3	Vertical	360	1.00	-	33.63	24.73	4.27	27.89
PK	747.8M	35.65	46.00	-10.35	1.47	3	Vertical	360	1.00	-	34.18	24.96	4.36	27.85
QP	30M	33.92	40.00	-6.08	-2.39	3	Vertical	0	1.00	-	36.31	23.48	1.71	27.58

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_Adapter

10/04/2018



EUT = Z
Power set = 76

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	53.28M	25.68	40.00	-14.32	-13.47	3	Horizontal	0	1.00	-	39.15	12.33	1.73	27.52
PK	150.28M	24.71	43.50	-18.79	-9.67	3	Horizontal	0	1.00	-	34.38	15.37	2.10	27.14
PK	249.22M	26.36	46.00	-19.64	-6.60	3	Horizontal	0	1.00	-	32.96	17.66	2.55	26.80
PK	301.6M	28.59	46.00	-17.41	-5.78	3	Horizontal	0	1.00	-	34.37	18.49	2.42	26.69
PK	730.34M	37.69	46.00	-8.31	1.11	3	Horizontal	0	1.00	-	36.58	24.73	4.27	27.89
PK	901.06M	37.81	46.00	-8.19	2.83	3	Horizontal	0	1.00	-	34.98	25.55	4.78	27.50



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	15.597006G	53.66	54.00	-0.34	15.73	3	Vertical	199	1.08	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	5.1472G	53.85	54.00	-0.15	6.59	3	Horizontal	84	1.09	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	AV	5.1492G	53.75	54.00	-0.25	6.59	3	Horizontal	81	1.13	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	AV	5.147G	53.37	54.00	-0.63	6.59	3	Horizontal	78	1.05	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	17.471846G	53.83	54.00	-0.17	21.45	3	Vertical	215	1.87	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	17.475279G	53.80	54.00	-0.20	21.48	3	Vertical	28	1.99	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	AV	17.390948G	53.86	54.00	-0.14	20.80	3	Vertical	28	1.91	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	PK	5.6502G	68.12	68.35	-0.23	7.61	3	Horizontal	110	1.10	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1498G	53.42	54.00	-0.58	6.59	3	Horizontal	107	1.17	-
5180MHz	Pass	AV	5.1756G	108.76	Inf	-Inf	6.64	3	Horizontal	107	1.17	-
5180MHz	Pass	PK	5.149995G	71.02	74.00	-2.98	6.59	3	Horizontal	107	1.17	-
5180MHz	Pass	PK	5.1758G	119.39	Inf	-Inf	6.64	3	Horizontal	107	1.17	-
5180MHz	Pass	AV	5.1482G	50.75	54.00	-3.25	6.59	3	Vertical	0	1.07	-
5180MHz	Pass	AV	5.1864G	105.17	Inf	-Inf	6.66	3	Vertical	0	1.07	-
5180MHz	Pass	PK	5.1478G	69.20	74.00	-4.80	6.59	3	Vertical	0	1.07	-
5180MHz	Pass	PK	5.1858G	114.73	Inf	-Inf	6.66	3	Vertical	0	1.07	-
5180MHz	Pass	AV	10.362315G	45.87	54.00	-8.13	15.30	3	Horizontal	286	3.15	-
5180MHz	Pass	AV	15.541477G	45.64	54.00	-8.36	15.92	3	Horizontal	360	1.92	-
5180MHz	Pass	PK	10.362435G	59.25	74.00	-14.75	15.30	3	Horizontal	286	3.15	-
5180MHz	Pass	PK	15.541756G	61.92	74.00	-12.08	15.92	3	Horizontal	360	1.92	-
5180MHz	Pass	AV	10.358603G	47.53	54.00	-6.47	15.30	3	Vertical	350	1.13	-
5180MHz	Pass	AV	15.54479G	47.07	54.00	-6.93	15.91	3	Vertical	200	3.19	-
5180MHz	Pass	PK	10.358723G	61.76	74.00	-12.24	15.30	3	Vertical	350	1.13	-
5180MHz	Pass	PK	15.545349G	63.00	74.00	-11.00	15.91	3	Vertical	200	3.19	-
5200MHz	Pass	AV	5.1496G	53.13	54.00	-0.87	6.59	3	Horizontal	105	1.34	-
5200MHz	Pass	AV	5.1956G	112.52	Inf	-Inf	6.68	3	Horizontal	105	1.34	-
5200MHz	Pass	PK	5.1484G	68.12	74.00	-5.88	6.59	3	Horizontal	105	1.34	-
5200MHz	Pass	PK	5.1956G	121.97	Inf	-Inf	6.68	3	Horizontal	105	1.34	-
5200MHz	Pass	AV	5.1472G	49.40	54.00	-4.60	6.59	3	Vertical	245	2.16	-
5200MHz	Pass	AV	5.1936G	109.59	Inf	-Inf	6.68	3	Vertical	245	2.16	-
5200MHz	Pass	PK	5.1476G	63.37	74.00	-10.63	6.59	3	Vertical	245	2.16	-
5200MHz	Pass	PK	5.1936G	119.06	Inf	-Inf	6.68	3	Vertical	245	2.16	-
5200MHz	Pass	AV	10.402675G	47.29	54.00	-6.71	15.36	3	Horizontal	285	2.95	-
5200MHz	Pass	AV	15.597485G	51.08	54.00	-2.92	15.73	3	Horizontal	53	1.93	-
5200MHz	Pass	PK	10.402954G	61.30	74.00	-12.70	15.36	3	Horizontal	285	2.95	-
5200MHz	Pass	PK	15.598802G	64.56	74.00	-9.44	15.73	3	Horizontal	53	1.93	-
5200MHz	Pass	AV	10.399082G	48.55	54.00	-5.45	15.35	3	Vertical	350	1.19	-
5200MHz	Pass	AV	15.597006G	53.66	54.00	-0.34	15.73	3	Vertical	199	1.08	-
5200MHz	Pass	PK	10.399082G	62.03	74.00	-11.97	15.35	3	Vertical	350	1.19	-
5200MHz	Pass	PK	15.604351G	67.89	74.00	-6.11	15.71	3	Vertical	199	1.08	-
5240MHz	Pass	AV	5.149995G	48.97	54.00	-5.03	6.59	3	Horizontal	87	1.12	-
5240MHz	Pass	AV	5.237G	114.29	Inf	-Inf	6.76	3	Horizontal	87	1.12	-
5240MHz	Pass	AV	5.351G	50.19	54.00	-3.81	6.99	3	Horizontal	87	1.12	-
5240MHz	Pass	PK	5.141G	61.90	74.00	-12.10	6.57	3	Horizontal	87	1.12	-
5240MHz	Pass	PK	5.2376G	123.41	Inf	-Inf	6.77	3	Horizontal	87	1.12	-
5240MHz	Pass	PK	5.3546G	62.24	74.00	-11.76	7.00	3	Horizontal	87	1.12	-
5240MHz	Pass	AV	5.1458G	46.53	54.00	-7.47	6.58	3	Vertical	56	2.29	-
5240MHz	Pass	AV	5.2364G	108.32	Inf	-Inf	6.76	3	Vertical	56	2.29	-
5240MHz	Pass	AV	5.350005G	47.91	54.00	-6.09	6.99	3	Vertical	56	2.29	-
5240MHz	Pass	PK	5.126G	58.62	74.00	-15.38	6.54	3	Vertical	56	2.29	-
5240MHz	Pass	PK	5.237G	117.23	Inf	-Inf	6.76	3	Vertical	56	2.29	-
5240MHz	Pass	PK	5.357G	59.66	74.00	-14.34	7.01	3	Vertical	56	2.29	-
5240MHz	Pass	AV	10.481836G	46.04	54.00	-7.96	15.46	3	Horizontal	284	3.11	-
5240MHz	Pass	AV	15.722315G	52.65	54.00	-1.35	15.31	3	Horizontal	360	1.93	-
5240MHz	Pass	PK	10.481317G	59.17	74.00	-14.83	15.46	3	Horizontal	284	3.11	-



RSE TX above 1GHz Result – Non-Beamforming

Appendix E.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	PK	15.722675G	68.53	74.00	-5.47	15.31	3	Horizontal	360	1.93	-
5240MHz	Pass	AV	10.477924G	46.02	54.00	-7.98	15.46	3	Vertical	350	1.02	-
5240MHz	Pass	AV	15.725349G	53.14	54.00	-0.86	15.30	3	Vertical	189	1.63	-
5240MHz	Pass	PK	10.477206G	59.57	74.00	-14.43	15.46	3	Vertical	350	1.02	-
5240MHz	Pass	PK	15.723313G	69.15	74.00	-4.85	15.30	3	Vertical	189	1.63	-
5745MHz	Pass	AV	5.7414G	109.07	Inf	-Inf	7.82	3	Horizontal	92	1.12	-
5745MHz	Pass	PK	5.5002G	60.38	68.20	-7.82	7.28	3	Horizontal	92	1.12	-
5745MHz	Pass	PK	5.7402G	118.69	Inf	-Inf	7.81	3	Horizontal	92	1.12	-
5745MHz	Pass	PK	5.9682G	60.01	68.20	-8.19	8.32	3	Horizontal	92	1.12	-
5745MHz	Pass	AV	5.751G	106.87	Inf	-Inf	7.84	3	Vertical	265	2.25	-
5745MHz	Pass	PK	5.643G	60.63	68.20	-7.57	7.60	3	Vertical	265	2.25	-
5745MHz	Pass	PK	5.7498G	115.75	Inf	-Inf	7.83	3	Vertical	265	2.25	-
5745MHz	Pass	PK	5.9574G	60.50	68.20	-7.70	8.29	3	Vertical	265	2.25	-
5745MHz	Pass	AV	11.48501G	43.93	54.00	-10.07	15.78	3	Horizontal	23	2.34	-
5745MHz	Pass	AV	17.239551G	49.37	54.00	-4.63	19.59	3	Horizontal	219	1.01	-
5745MHz	Pass	PK	11.483373G	57.70	74.00	-16.30	15.78	3	Horizontal	23	2.34	-
5745MHz	Pass	PK	17.237435G	66.77	74.00	-7.23	19.57	3	Horizontal	219	1.01	-
5745MHz	Pass	AV	11.484491G	46.31	54.00	-7.69	15.78	3	Vertical	106	3.06	-
5745MHz	Pass	AV	17.229092G	53.72	54.00	-0.28	19.51	3	Vertical	263	1.79	-
5745MHz	Pass	PK	11.496028G	60.58	74.00	-13.42	15.77	3	Vertical	106	3.06	-
5745MHz	Pass	PK	17.22981G	72.29	74.00	-1.71	19.51	3	Vertical	263	1.79	-
5785MHz	Pass	AV	5.779G	109.37	Inf	-Inf	7.90	3	Horizontal	90	2.09	-
5785MHz	Pass	PK	5.551G	59.87	68.20	-8.33	7.39	3	Horizontal	90	2.09	-
5785MHz	Pass	PK	5.779G	118.32	Inf	-Inf	7.90	3	Horizontal	90	2.09	-
5785MHz	Pass	PK	5.9434G	60.34	68.20	-7.86	8.27	3	Horizontal	90	2.09	-
5785MHz	Pass	AV	5.7886G	106.78	Inf	-Inf	7.92	3	Vertical	251	2.17	-
5785MHz	Pass	PK	5.5774G	59.26	68.20	-8.94	7.45	3	Vertical	251	2.17	-
5785MHz	Pass	PK	5.7898G	115.34	Inf	-Inf	7.93	3	Vertical	251	2.17	-
5785MHz	Pass	PK	5.9254G	59.93	68.20	-8.27	8.22	3	Vertical	251	2.17	-
5785MHz	Pass	AV	11.564092G	45.57	54.00	-8.43	15.72	3	Horizontal	224	2.02	-
5785MHz	Pass	AV	17.352844G	50.17	54.00	-3.83	20.50	3	Horizontal	224	1.85	-
5785MHz	Pass	PK	11.563134G	59.09	74.00	-14.91	15.72	3	Horizontal	224	2.02	-
5785MHz	Pass	PK	17.353044G	64.45	74.00	-9.55	20.50	3	Horizontal	224	1.85	-
5785MHz	Pass	AV	11.563214G	47.21	54.00	-6.79	15.72	3	Vertical	105	3.14	-
5785MHz	Pass	AV	17.356078G	53.66	54.00	-0.34	20.52	3	Vertical	28	1.99	-
5785MHz	Pass	PK	11.576028G	61.28	74.00	-12.72	15.71	3	Vertical	105	3.14	-
5785MHz	Pass	PK	17.357236G	73.43	74.00	-0.57	20.53	3	Vertical	28	1.99	-
5825MHz	Pass	AV	5.819G	108.67	Inf	-Inf	7.99	3	Horizontal	91	2.17	-
5825MHz	Pass	PK	5.645G	60.12	68.20	-8.08	7.60	3	Horizontal	91	2.17	-
5825MHz	Pass	PK	5.8178G	117.26	Inf	-Inf	7.99	3	Horizontal	91	2.17	-
5825MHz	Pass	PK	5.9258G	60.34	68.20	-7.86	8.22	3	Horizontal	91	2.17	-
5825MHz	Pass	AV	5.8286G	107.14	Inf	-Inf	8.01	3	Vertical	249	2.22	-
5825MHz	Pass	PK	5.5886G	60.48	68.20	-7.72	7.48	3	Vertical	249	2.22	-
5825MHz	Pass	PK	5.8298G	116.13	Inf	-Inf	8.02	3	Vertical	249	2.22	-
5825MHz	Pass	PK	5.9438G	60.26	68.20	-7.94	8.27	3	Vertical	249	2.22	-
5825MHz	Pass	AV	11.64481G	43.83	54.00	-10.17	15.66	3	Horizontal	192	1.97	-
5825MHz	Pass	AV	17.469052G	51.17	54.00	-2.83	21.43	3	Horizontal	329	1.97	-
5825MHz	Pass	PK	11.643932G	56.59	74.00	-17.41	15.66	3	Horizontal	192	1.97	-
5825MHz	Pass	PK	17.468014G	65.47	74.00	-8.53	21.42	3	Horizontal	329	1.97	-



RSE TX above 1GHz Result – Non-Beamforming

Appendix E.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	AV	11.643573G	49.38	54.00	-4.62	15.66	3	Vertical	108	3.04	-
5825MHz	Pass	AV	17.471846G	53.83	54.00	-0.17	21.45	3	Vertical	215	1.87	-
5825MHz	Pass	PK	11.656108G	64.08	74.00	-9.92	15.65	3	Vertical	108	3.04	-
5825MHz	Pass	PK	17.471527G	67.13	74.00	-6.87	21.45	3	Vertical	215	1.87	-
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1472G	53.85	54.00	-0.15	6.59	3	Horizontal	84	1.09	-
5180MHz	Pass	AV	5.1772G	108.31	Inf	-Inf	6.64	3	Horizontal	84	1.09	-
5180MHz	Pass	PK	5.1474G	72.65	74.00	-1.35	6.59	3	Horizontal	84	1.09	-
5180MHz	Pass	PK	5.1748G	119.23	Inf	-Inf	6.64	3	Horizontal	84	1.09	-
5180MHz	Pass	AV	5.1464G	51.60	54.00	-2.40	6.59	3	Vertical	27	2.66	-
5180MHz	Pass	AV	5.1764G	105.13	Inf	-Inf	6.64	3	Vertical	27	2.66	-
5180MHz	Pass	PK	5.1462G	71.82	74.00	-2.18	6.59	3	Vertical	27	2.66	-
5180MHz	Pass	PK	5.1764G	115.24	Inf	-Inf	6.64	3	Vertical	27	2.66	-
5180MHz	Pass	AV	10.360878G	45.35	54.00	-8.65	15.30	3	Horizontal	285	3.15	-
5180MHz	Pass	AV	15.540679G	44.44	54.00	-9.56	15.93	3	Horizontal	360	1.96	-
5180MHz	Pass	PK	10.361277G	59.01	74.00	-14.99	15.30	3	Horizontal	285	3.15	-
5180MHz	Pass	PK	15.545908G	58.81	74.00	-15.19	15.91	3	Horizontal	360	1.96	-
5180MHz	Pass	AV	10.359042G	46.51	54.00	-7.49	15.30	3	Vertical	355	1.17	-
5180MHz	Pass	AV	15.543593G	45.07	54.00	-8.93	15.92	3	Vertical	202	3.16	-
5180MHz	Pass	PK	10.359082G	60.70	74.00	-13.30	15.30	3	Vertical	355	1.17	-
5180MHz	Pass	PK	15.547106G	61.21	74.00	-12.79	15.90	3	Vertical	202	3.16	-
5200MHz	Pass	AV	5.1492G	53.35	54.00	-0.65	6.59	3	Horizontal	81	1.06	-
5200MHz	Pass	AV	5.2072G	111.56	Inf	-Inf	6.70	3	Horizontal	81	1.06	-
5200MHz	Pass	PK	5.1484G	70.05	74.00	-3.95	6.59	3	Horizontal	81	1.06	-
5200MHz	Pass	PK	5.1956G	121.70	Inf	-Inf	6.68	3	Horizontal	81	1.06	-
5200MHz	Pass	AV	5.1468G	49.88	54.00	-4.12	6.59	3	Vertical	27	2.71	-
5200MHz	Pass	AV	5.1968G	107.05	Inf	-Inf	6.68	3	Vertical	27	2.71	-
5200MHz	Pass	PK	5.1468G	65.60	74.00	-8.40	6.59	3	Vertical	27	2.71	-
5200MHz	Pass	PK	5.202G	117.13	Inf	-Inf	6.69	3	Vertical	27	2.71	-
5200MHz	Pass	AV	10.401597G	45.92	54.00	-8.08	15.36	3	Horizontal	287	2.01	-
5200MHz	Pass	AV	15.6002G	49.38	54.00	-4.62	15.72	3	Horizontal	58	1.89	-
5200MHz	Pass	PK	10.406667G	59.39	74.00	-14.61	15.36	3	Horizontal	287	2.01	-
5200MHz	Pass	PK	15.595369G	63.84	74.00	-10.16	15.74	3	Horizontal	58	1.89	-
5200MHz	Pass	AV	10.39984G	47.62	54.00	-6.38	15.35	3	Vertical	347	1.05	-
5200MHz	Pass	AV	15.603433G	51.91	54.00	-2.09	15.71	3	Vertical	223	1.79	-
5200MHz	Pass	PK	10.399641G	60.91	74.00	-13.09	15.35	3	Vertical	347	1.05	-
5200MHz	Pass	PK	15.603353G	66.08	74.00	-7.92	15.71	3	Vertical	223	1.79	-
5240MHz	Pass	AV	5.149995G	49.34	54.00	-4.66	6.59	3	Horizontal	79	1.08	-
5240MHz	Pass	AV	5.2418G	111.64	Inf	-Inf	6.77	3	Horizontal	79	1.08	-
5240MHz	Pass	AV	5.351G	49.57	54.00	-4.43	6.99	3	Horizontal	79	1.08	-
5240MHz	Pass	PK	5.149995G	61.58	74.00	-12.42	6.59	3	Horizontal	79	1.08	-
5240MHz	Pass	PK	5.2358G	121.15	Inf	-Inf	6.76	3	Horizontal	79	1.08	-
5240MHz	Pass	PK	5.3522G	62.16	74.00	-11.84	6.99	3	Horizontal	79	1.08	-
5240MHz	Pass	AV	5.1452G	46.26	54.00	-7.74	6.58	3	Vertical	332	2.17	-
5240MHz	Pass	AV	5.246G	107.21	Inf	-Inf	6.78	3	Vertical	332	2.17	-
5240MHz	Pass	AV	5.36G	46.92	54.00	-7.08	7.01	3	Vertical	332	2.17	-
5240MHz	Pass	PK	5.1458G	59.19	74.00	-14.81	6.58	3	Vertical	332	2.17	-
5240MHz	Pass	PK	5.246G	116.28	Inf	-Inf	6.78	3	Vertical	332	2.17	-
5240MHz	Pass	PK	5.3696G	60.29	74.00	-13.71	7.03	3	Vertical	332	2.17	-



RSE TX above 1GHz Result – Non-Beamforming

Appendix E.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	AV	10.48008G	42.88	54.00	-11.12	15.46	3	Horizontal	190	1.19	-
5240MHz	Pass	AV	15.72024G	52.40	54.00	-1.60	15.31	3	Horizontal	62	1.89	-
5240MHz	Pass	PK	10.485269G	56.91	74.00	-17.09	15.47	3	Horizontal	190	1.19	-
5240MHz	Pass	PK	15.72515G	67.50	74.00	-6.50	15.30	3	Horizontal	62	1.89	-
5240MHz	Pass	AV	10.48G	46.01	54.00	-7.99	15.46	3	Vertical	349	1.02	-
5240MHz	Pass	AV	15.719521G	53.81	54.00	-0.19	15.32	3	Vertical	198	3.19	-
5240MHz	Pass	PK	10.47984G	59.38	74.00	-14.62	15.46	3	Vertical	349	1.02	-
5240MHz	Pass	PK	15.724551G	69.20	74.00	-4.80	15.30	3	Vertical	198	3.19	-
5745MHz	Pass	AV	5.7522G	107.66	Inf	-Inf	7.84	3	Horizontal	110	2.10	-
5745MHz	Pass	PK	5.6394G	60.12	68.20	-8.08	7.59	3	Horizontal	110	2.10	-
5745MHz	Pass	PK	5.7474G	117.26	Inf	-Inf	7.83	3	Horizontal	110	2.10	-
5745MHz	Pass	PK	5.9922G	61.61	68.20	-6.59	8.37	3	Horizontal	110	2.10	-
5745MHz	Pass	AV	5.7486G	101.77	Inf	-Inf	7.83	3	Vertical	82	1.03	-
5745MHz	Pass	PK	5.5818G	59.18	68.20	-9.02	7.47	3	Vertical	82	1.03	-
5745MHz	Pass	PK	5.7402G	111.57	Inf	-Inf	7.81	3	Vertical	82	1.03	-
5745MHz	Pass	PK	5.9766G	60.31	68.20	-7.89	8.34	3	Vertical	82	1.03	-
5745MHz	Pass	AV	11.492315G	44.62	54.00	-9.38	15.77	3	Horizontal	27	2.10	-
5745MHz	Pass	AV	17.232924G	50.28	54.00	-3.72	19.54	3	Horizontal	44	1.01	-
5745MHz	Pass	PK	11.492715G	59.14	74.00	-14.86	15.77	3	Horizontal	27	2.10	-
5745MHz	Pass	PK	17.232804G	67.00	74.00	-7.00	19.53	3	Horizontal	44	1.01	-
5745MHz	Pass	AV	11.492236G	46.95	54.00	-7.05	15.77	3	Vertical	105	2.33	-
5745MHz	Pass	AV	17.237914G	53.55	54.00	-0.45	19.58	3	Vertical	27	1.93	-
5745MHz	Pass	PK	11.487525G	60.95	74.00	-13.05	15.77	3	Vertical	105	2.33	-
5745MHz	Pass	PK	17.232645G	70.71	74.00	-3.29	19.53	3	Vertical	27	1.93	-
5785MHz	Pass	AV	5.7814G	108.59	Inf	-Inf	7.91	3	Horizontal	108	1.18	-
5785MHz	Pass	PK	5.5378G	59.23	68.20	-8.97	7.37	3	Horizontal	108	1.18	-
5785MHz	Pass	PK	5.7802G	117.51	Inf	-Inf	7.90	3	Horizontal	108	1.18	-
5785MHz	Pass	PK	6.0334G	61.13	68.20	-7.07	8.49	3	Horizontal	108	1.18	-
5785MHz	Pass	AV	5.7886G	104.75	Inf	-Inf	7.92	3	Vertical	289	2.09	-
5785MHz	Pass	PK	5.6326G	59.40	68.20	-8.80	7.57	3	Vertical	289	2.09	-
5785MHz	Pass	PK	5.7838G	113.94	Inf	-Inf	7.91	3	Vertical	289	2.09	-
5785MHz	Pass	PK	5.9722G	59.79	68.20	-8.41	8.33	3	Vertical	289	2.09	-
5785MHz	Pass	AV	11.572236G	44.60	54.00	-9.40	15.71	3	Horizontal	32	1.83	-
5785MHz	Pass	AV	17.360269G	50.05	54.00	-3.95	20.56	3	Horizontal	27	1.05	-
5785MHz	Pass	PK	11.572116G	58.39	74.00	-15.61	15.71	3	Horizontal	32	1.83	-
5785MHz	Pass	PK	17.360988G	64.22	74.00	-9.78	20.56	3	Horizontal	27	1.05	-
5785MHz	Pass	AV	11.571996G	47.62	54.00	-6.38	15.71	3	Vertical	105	2.33	-
5785MHz	Pass	AV	17.355559G	53.76	54.00	-0.24	20.52	3	Vertical	28	1.90	-
5785MHz	Pass	PK	11.571796G	62.19	74.00	-11.81	15.71	3	Vertical	105	2.33	-
5785MHz	Pass	PK	17.350489G	70.60	74.00	-3.40	20.48	3	Vertical	28	1.90	-
5825MHz	Pass	AV	5.8214G	106.98	Inf	-Inf	8.00	3	Horizontal	107	2.18	-
5825MHz	Pass	PK	5.591G	60.25	68.20	-7.95	7.48	3	Horizontal	107	2.18	-
5825MHz	Pass	PK	5.8298G	117.17	Inf	-Inf	8.02	3	Horizontal	107	2.18	-
5825MHz	Pass	PK	6.0614G	61.59	68.20	-6.61	8.57	3	Horizontal	107	2.18	-
5825MHz	Pass	AV	5.8202G	101.11	Inf	-Inf	7.99	3	Vertical	47	1.15	-
5825MHz	Pass	PK	5.6282G	58.97	68.20	-9.23	7.56	3	Vertical	47	1.15	-
5825MHz	Pass	PK	5.8202G	110.09	Inf	-Inf	7.99	3	Vertical	47	1.15	-
5825MHz	Pass	PK	5.9534G	59.43	68.20	-8.77	8.28	3	Vertical	47	1.15	-
5825MHz	Pass	AV	11.651836G	45.92	54.00	-8.08	15.65	3	Horizontal	318	1.89	-



RSE TX above 1GHz Result – Non-Beamforming

Appendix E.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	AV	17.477395G	51.00	54.00	-3.00	21.49	3	Horizontal	334	1.01	-
5825MHz	Pass	PK	11.647246G	59.63	74.00	-14.37	15.65	3	Horizontal	318	1.89	-
5825MHz	Pass	PK	17.472006G	64.79	74.00	-9.21	21.45	3	Horizontal	334	1.01	-
5825MHz	Pass	AV	11.652036G	49.34	54.00	-4.66	15.65	3	Vertical	103	2.33	-
5825MHz	Pass	AV	17.475279G	53.80	54.00	-0.20	21.48	3	Vertical	28	1.99	-
5825MHz	Pass	PK	11.651876G	63.34	74.00	-10.66	15.65	3	Vertical	103	2.33	-
5825MHz	Pass	PK	17.470609G	70.14	74.00	-3.86	21.44	3	Vertical	28	1.99	-
802.11ac VHT40_Nss1.(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1472G	53.48	54.00	-0.52	6.59	3	Horizontal	81	1.23	-
5190MHz	Pass	AV	5.1972G	102.79	Inf	-Inf	6.68	3	Horizontal	81	1.23	-
5190MHz	Pass	PK	5.1492G	71.91	74.00	-2.09	6.59	3	Horizontal	81	1.23	-
5190MHz	Pass	PK	5.1972G	112.53	Inf	-Inf	6.68	3	Horizontal	81	1.23	-
5190MHz	Pass	AV	5.149995G	49.58	54.00	-4.42	6.59	3	Vertical	31	2.71	-
5190MHz	Pass	AV	5.1964G	98.66	Inf	-Inf	6.68	3	Vertical	31	2.71	-
5190MHz	Pass	PK	5.1472G	66.37	74.00	-7.63	6.59	3	Vertical	31	2.71	-
5190MHz	Pass	PK	5.1972G	108.09	Inf	-Inf	6.68	3	Vertical	31	2.71	-
5190MHz	Pass	AV	15.574072G	43.11	54.00	-10.89	15.81	3	Horizontal	38	1.50	-
5190MHz	Pass	PK	15.560499G	56.97	74.00	-17.03	15.86	3	Horizontal	38	1.50	-
5190MHz	Pass	AV	15.57507G	42.91	54.00	-11.09	15.81	3	Vertical	37	1.50	-
5190MHz	Pass	PK	15.57511G	57.12	74.00	-16.88	15.81	3	Vertical	37	1.50	-
5230MHz	Pass	AV	5.1492G	53.75	54.00	-0.25	6.59	3	Horizontal	81	1.13	-
5230MHz	Pass	AV	5.2368G	108.54	Inf	-Inf	6.76	3	Horizontal	81	1.13	-
5230MHz	Pass	PK	5.1464G	68.39	74.00	-5.61	6.59	3	Horizontal	81	1.13	-
5230MHz	Pass	PK	5.2372G	117.87	Inf	-Inf	6.76	3	Horizontal	81	1.13	-
5230MHz	Pass	AV	5.148G	49.29	54.00	-4.71	6.59	3	Vertical	335	1.49	-
5230MHz	Pass	AV	5.2212G	103.62	Inf	-Inf	6.73	3	Vertical	335	1.49	-
5230MHz	Pass	PK	5.1436G	61.29	74.00	-12.71	6.57	3	Vertical	335	1.49	-
5230MHz	Pass	PK	5.236G	111.83	Inf	-Inf	6.76	3	Vertical	335	1.49	-
5230MHz	Pass	AV	15.68976G	46.00	54.00	-8.00	15.42	3	Horizontal	58	1.81	-
5230MHz	Pass	PK	15.684431G	60.29	74.00	-13.71	15.44	3	Horizontal	58	1.81	-
5230MHz	Pass	AV	15.693633G	46.92	54.00	-7.08	15.40	3	Vertical	195	3.16	-
5230MHz	Pass	PK	15.688563G	61.22	74.00	-12.78	15.42	3	Vertical	195	3.16	-
5755MHz	Pass	AV	5.767G	106.53	Inf	-Inf	7.87	3	Horizontal	108	1.07	-
5755MHz	Pass	PK	5.647G	63.22	68.20	-4.98	7.61	3	Horizontal	108	1.07	-
5755MHz	Pass	PK	5.7682G	115.36	Inf	-Inf	7.88	3	Horizontal	108	1.07	-
5755MHz	Pass	PK	6.0406G	59.53	68.20	-8.67	8.51	3	Horizontal	108	1.07	-
5755MHz	Pass	AV	5.7442G	102.48	Inf	-Inf	7.82	3	Vertical	265	2.09	-
5755MHz	Pass	PK	5.6482G	59.60	68.20	-8.60	7.61	3	Vertical	265	2.09	-
5755MHz	Pass	PK	5.761G	111.10	Inf	-Inf	7.86	3	Vertical	265	2.09	-
5755MHz	Pass	PK	6.025G	59.05	68.20	-9.15	8.47	3	Vertical	265	2.09	-
5755MHz	Pass	AV	11.511916G	42.97	54.00	-11.03	15.76	3	Horizontal	32	2.03	-
5755MHz	Pass	AV	17.262764G	48.30	54.00	-5.70	19.77	3	Horizontal	24	1.87	-
5755MHz	Pass	PK	11.507725G	56.62	74.00	-17.38	15.76	3	Horizontal	32	2.03	-
5755MHz	Pass	PK	17.25502G	62.18	74.00	-11.82	19.71	3	Horizontal	24	1.87	-
5755MHz	Pass	AV	11.511996G	44.75	54.00	-9.25	15.76	3	Vertical	102	2.36	-
5755MHz	Pass	AV	17.271826G	53.60	54.00	-0.40	19.85	3	Vertical	255	2.13	-
5755MHz	Pass	PK	11.507086G	59.10	74.00	-14.90	15.76	3	Vertical	102	2.36	-
5755MHz	Pass	PK	17.266717G	69.06	74.00	-4.94	19.81	3	Vertical	255	2.13	-
5795MHz	Pass	AV	5.7866G	106.22	Inf	-Inf	7.92	3	Horizontal	109	1.37	-



RSE TX above 1GHz Result – Non-Beamforming

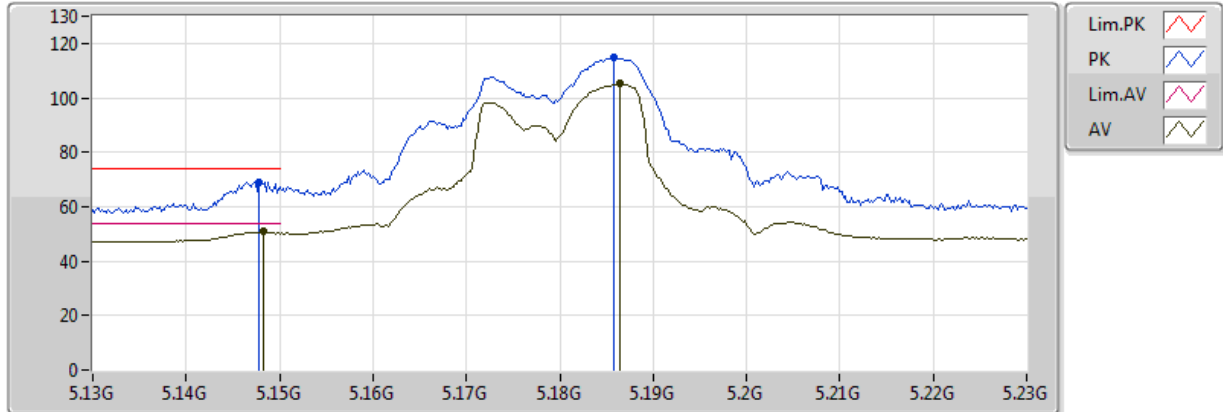
Appendix E.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5795MHz	Pass	PK	5.6474G	60.52	68.20	-7.68	7.61	3	Horizontal	109	1.37	-
5795MHz	Pass	PK	5.7818G	116.43	Inf	-Inf	7.91	3	Horizontal	109	1.37	-
5795MHz	Pass	PK	5.945G	60.04	68.20	-8.16	8.27	3	Horizontal	109	1.37	-
5795MHz	Pass	AV	5.8022G	101.39	Inf	-Inf	7.95	3	Vertical	326	1.00	-
5795MHz	Pass	PK	5.6414G	58.37	68.20	-9.83	7.59	3	Vertical	326	1.00	-
5795MHz	Pass	PK	5.7974G	110.16	Inf	-Inf	7.94	3	Vertical	326	1.00	-
5795MHz	Pass	PK	6.0314G	59.54	68.20	-8.66	8.48	3	Vertical	326	1.00	-
5795MHz	Pass	AV	11.592196G	44.06	54.00	-9.94	15.70	3	Horizontal	191	2.00	-
5795MHz	Pass	AV	17.390669G	50.61	54.00	-3.39	20.80	3	Horizontal	25	1.01	-
5795MHz	Pass	PK	11.587325G	58.69	74.00	-15.31	15.70	3	Horizontal	191	2.00	-
5795MHz	Pass	PK	17.390749G	64.82	74.00	-9.18	20.80	3	Horizontal	25	1.01	-
5795MHz	Pass	AV	11.592275G	46.51	54.00	-7.49	15.70	3	Vertical	103	2.31	-
5795MHz	Pass	AV	17.390948G	53.86	54.00	-0.14	20.80	3	Vertical	28	1.91	-
5795MHz	Pass	PK	11.592156G	60.00	74.00	-14.00	15.70	3	Vertical	103	2.31	-
5795MHz	Pass	PK	17.380968G	68.99	74.00	-5.01	20.72	3	Vertical	28	1.91	-
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.147G	53.37	54.00	-0.63	6.59	3	Horizontal	78	1.05	-
5210MHz	Pass	AV	5.222G	99.60	Inf	-Inf	6.73	3	Horizontal	78	1.05	-
5210MHz	Pass	AV	5.357G	50.57	54.00	-3.43	7.01	3	Horizontal	78	1.05	-
5210MHz	Pass	PK	5.142G	68.33	74.00	-5.67	6.57	3	Horizontal	78	1.05	-
5210MHz	Pass	PK	5.224G	108.61	Inf	-Inf	6.74	3	Horizontal	78	1.05	-
5210MHz	Pass	PK	5.383G	61.60	74.00	-12.40	7.06	3	Horizontal	78	1.05	-
5210MHz	Pass	AV	5.144G	49.38	54.00	-4.62	6.58	3	Vertical	16	2.59	-
5210MHz	Pass	AV	5.224G	96.10	Inf	-Inf	6.74	3	Vertical	16	2.59	-
5210MHz	Pass	AV	5.384G	49.11	54.00	-4.89	7.06	3	Vertical	16	2.59	-
5210MHz	Pass	PK	5.148G	61.81	74.00	-12.19	6.59	3	Vertical	16	2.59	-
5210MHz	Pass	PK	5.229G	105.13	Inf	-Inf	6.75	3	Vertical	16	2.59	-
5210MHz	Pass	PK	5.413G	59.47	74.00	-14.53	7.12	3	Vertical	16	2.59	-
5210MHz	Pass	AV	15.639062G	43.15	54.00	-10.85	15.59	3	Horizontal	323	1.51	-
5210MHz	Pass	PK	15.633872G	57.02	74.00	-16.98	15.61	3	Horizontal	323	1.51	-
5210MHz	Pass	AV	15.636028G	43.11	54.00	-10.89	15.60	3	Vertical	255	1.50	-
5210MHz	Pass	PK	15.632236G	56.84	74.00	-17.16	15.61	3	Vertical	255	1.50	-
5775MHz	Pass	AV	5.7618G	102.54	Inf	-Inf	7.86	3	Horizontal	110	1.10	-
5775MHz	Pass	PK	5.6502G	68.12	68.35	-0.23	7.61	3	Horizontal	110	1.10	-
5775MHz	Pass	PK	5.757G	111.23	Inf	-Inf	7.85	3	Horizontal	110	1.10	-
5775MHz	Pass	PK	5.9298G	62.85	68.20	-5.35	8.24	3	Horizontal	110	1.10	-
5775MHz	Pass	AV	5.763G	99.84	Inf	-Inf	7.86	3	Vertical	265	2.30	-
5775MHz	Pass	PK	5.6418G	66.09	68.20	-2.11	7.59	3	Vertical	265	2.30	-
5775MHz	Pass	PK	5.763G	109.60	Inf	-Inf	7.86	3	Vertical	265	2.30	-
5775MHz	Pass	PK	5.9262G	61.24	68.20	-6.96	8.22	3	Vertical	265	2.30	-
5775MHz	Pass	AV	17.318014G	48.19	54.00	-5.81	20.22	3	Horizontal	45	1.01	-
5775MHz	Pass	PK	17.333703G	61.97	74.00	-12.03	20.34	3	Horizontal	45	1.01	-
5775MHz	Pass	AV	17.318413G	49.28	54.00	-4.72	20.22	3	Vertical	29	1.93	-
5775MHz	Pass	PK	17.323204G	63.76	74.00	-10.24	20.26	3	Vertical	29	1.93	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

23/03/2018

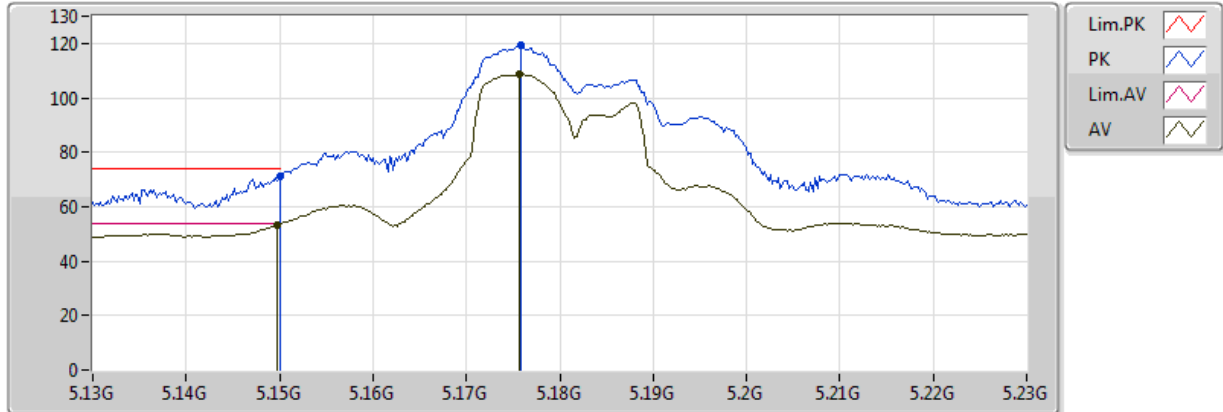


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1482G	50.75	54.00	-3.25	6.59	3	Vertical	0	1.07	-	44.16	31.68	4.72	29.81
AV	5.1864G	105.17	Inf	-Inf	6.66	3	Vertical	0	1.07	-	98.51	31.72	4.75	29.81
PK	5.1478G	69.20	74.00	-4.80	6.59	3	Vertical	0	1.07	-	62.61	31.68	4.72	29.81
PK	5.1858G	114.73	Inf	-Inf	6.66	3	Vertical	0	1.07	-	108.07	31.72	4.75	29.81

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

23/03/2018

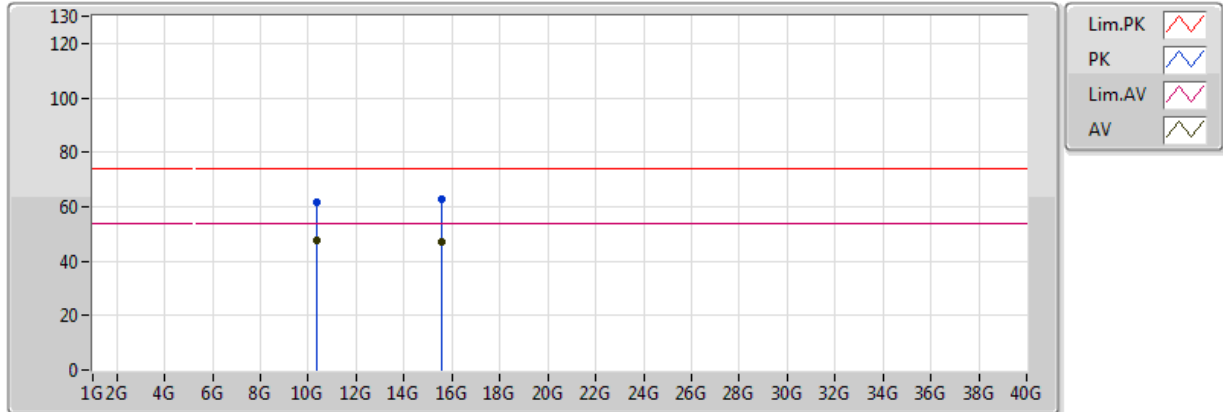


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1498G	53.42	54.00	-0.58	6.59	3	Horizontal	107	1.17	-	46.83	31.68	4.72	29.81
AV	5.1756G	108.76	Inf	-Inf	6.64	3	Horizontal	107	1.17	-	102.12	31.71	4.74	29.81
PK	5.149995G	71.02	74.00	-2.98	6.59	3	Horizontal	107	1.17	-	64.43	31.68	4.72	29.81
PK	5.1758G	119.39	Inf	-Inf	6.64	3	Horizontal	107	1.17	-	112.75	31.71	4.74	29.81

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

23/03/2018

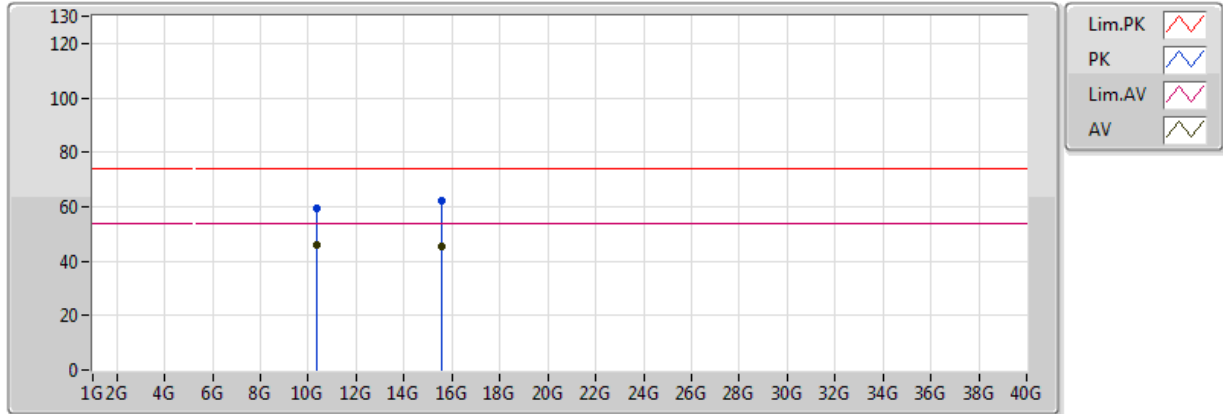


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.358603G	47.53	54.00	-6.47	15.30	3	Vertical	350	1.13	-	32.23	39.17	7.16	31.03
AV	15.54479G	47.07	54.00	-6.93	15.91	3	Vertical	200	3.19	-	31.16	38.88	8.93	31.90
PK	10.358723G	61.76	74.00	-12.24	15.30	3	Vertical	350	1.13	-	46.46	39.17	7.16	31.03
PK	15.545349G	63.00	74.00	-11.00	15.91	3	Vertical	200	3.19	-	47.09	38.87	8.93	31.90

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

23/03/2018

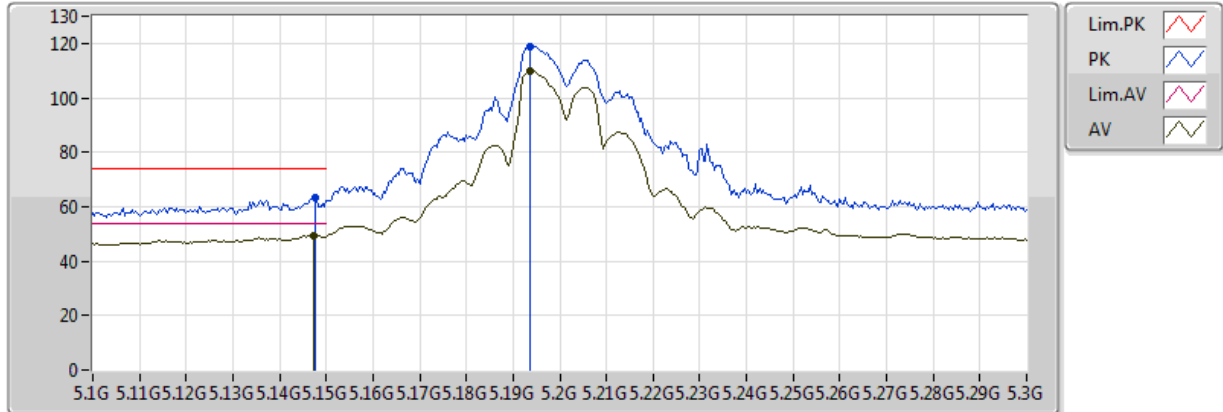


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.362315G	45.87	54.00	-8.13	15.30	3	Horizontal	286	3.15	-	30.57	39.17	7.16	31.03
AV	15.541477G	45.64	54.00	-8.36	15.92	3	Horizontal	360	1.92	-	29.72	38.89	8.93	31.90
PK	10.362435G	59.25	74.00	-14.75	15.30	3	Horizontal	286	3.15	-	43.95	39.17	7.16	31.03
PK	15.541756G	61.92	74.00	-12.08	15.92	3	Horizontal	360	1.92	-	46.00	38.89	8.93	31.90

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

23/03/2018

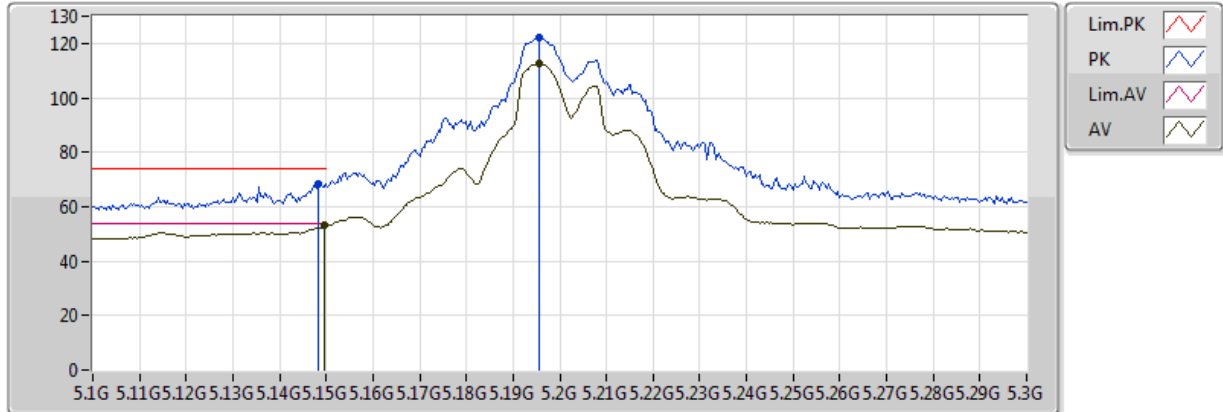


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1472G	49.40	54.00	-4.60	6.59	3	Vertical	245	2.16	-	42.81	31.68	4.72	29.81
AV	5.1936G	109.59	Inf	-Inf	6.68	3	Vertical	245	2.16	-	102.91	31.73	4.75	29.81
PK	5.1476G	63.37	74.00	-10.63	6.59	3	Vertical	245	2.16	-	56.78	31.68	4.72	29.81
PK	5.1936G	119.06	Inf	-Inf	6.68	3	Vertical	245	2.16	-	112.38	31.73	4.75	29.81

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

23/03/2018

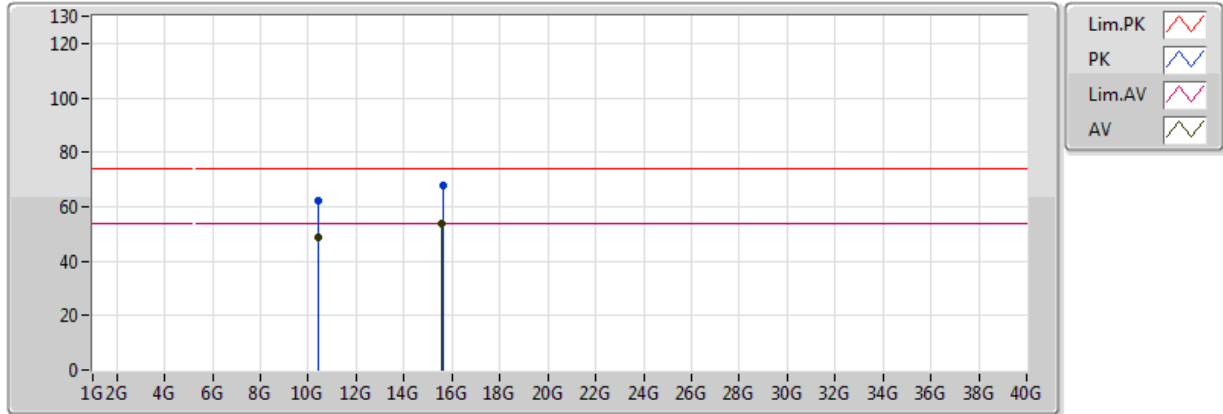


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1496G	53.13	54.00	-0.87	6.59	3	Horizontal	105	1.34	-	46.54	31.68	4.72	29.81
AV	5.1956G	112.52	Inf	-Inf	6.68	3	Horizontal	105	1.34	-	105.84	31.73	4.76	29.81
PK	5.1484G	68.12	74.00	-5.88	6.59	3	Horizontal	105	1.34	-	61.53	31.68	4.72	29.81
PK	5.1956G	121.97	Inf	-Inf	6.68	3	Horizontal	105	1.34	-	115.29	31.73	4.76	29.81

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

23/03/2018

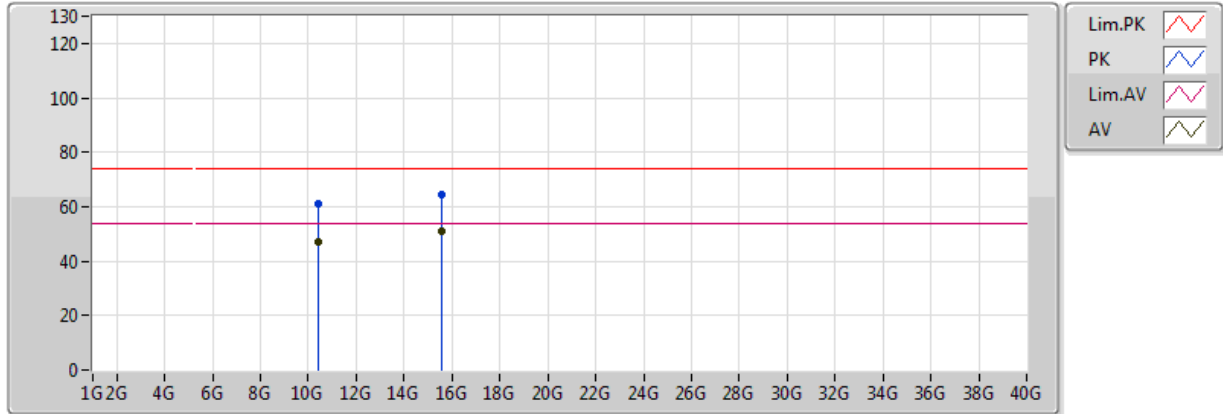


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.399082G	48.55	54.00	-5.45	15.35	3	Vertical	350	1.19	-	33.20	39.22	7.17	31.04
AV	15.597006G	53.66	54.00	-0.34	15.73	3	Vertical	199	1.08	-	37.93	38.67	8.97	31.91
PK	10.399082G	62.03	74.00	-11.97	15.35	3	Vertical	350	1.19	-	46.68	39.22	7.17	31.04
PK	15.604351G	67.89	74.00	-6.11	15.71	3	Vertical	199	1.08	-	52.18	38.64	8.98	31.91

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

23/03/2018

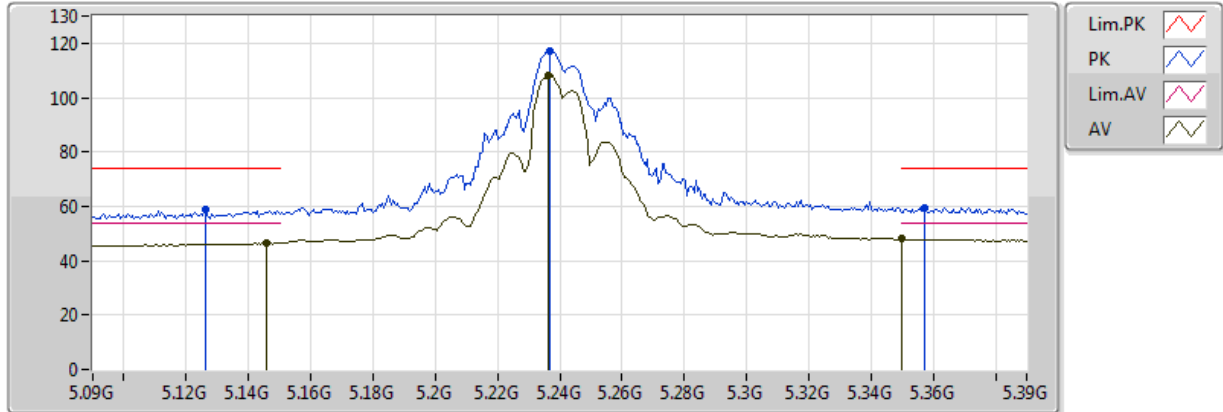


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.402675G	47.29	54.00	-6.71	15.36	3	Horizontal	285	2.95	-	31.93	39.22	7.17	31.04
AV	15.597485G	51.08	54.00	-2.92	15.73	3	Horizontal	53	1.93	-	35.35	38.67	8.97	31.91
PK	10.402954G	61.30	74.00	-12.70	15.36	3	Horizontal	285	2.95	-	45.94	39.22	7.17	31.04
PK	15.598802G	64.56	74.00	-9.44	15.73	3	Horizontal	53	1.93	-	48.83	38.66	8.97	31.91

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

23/03/2018

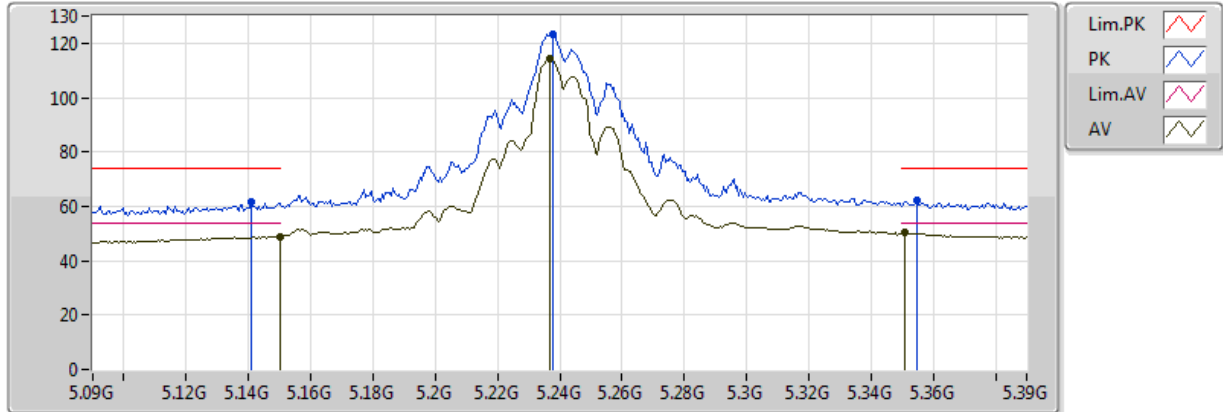


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1458G	46.53	54.00	-7.47	6.58	3	Vertical	56	2.29	-	39.95	31.67	4.72	29.81
AV	5.2364G	108.32	Inf	-Inf	6.76	3	Vertical	56	2.29	-	101.56	31.78	4.79	29.81
AV	5.350005G	47.91	54.00	-6.09	6.99	3	Vertical	56	2.29	-	40.92	31.92	4.87	29.80
PK	5.126G	58.62	74.00	-15.38	6.54	3	Vertical	56	2.29	-	52.08	31.65	4.70	29.81
PK	5.237G	117.23	Inf	-Inf	6.76	3	Vertical	56	2.29	-	110.47	31.78	4.79	29.81
PK	5.357G	59.66	74.00	-14.34	7.01	3	Vertical	56	2.29	-	52.65	31.93	4.88	29.80

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

23/03/2018

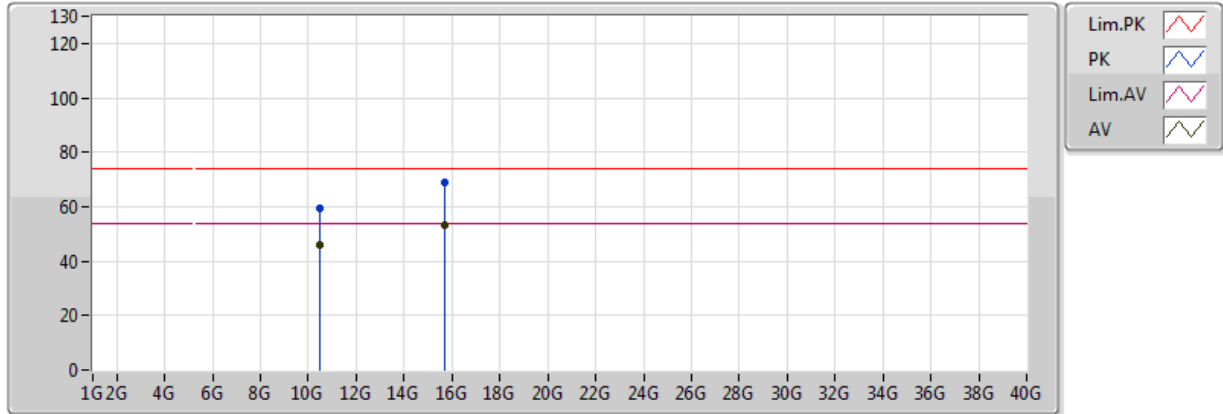


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	48.97	54.00	-5.03	6.59	3	Horizontal	87	1.12	-	42.38	31.68	4.72	29.81
AV	5.237G	114.29	Inf	-Inf	6.76	3	Horizontal	87	1.12	-	107.53	31.78	4.79	29.81
AV	5.351G	50.19	54.00	-3.81	6.99	3	Horizontal	87	1.12	-	43.20	31.92	4.87	29.80
PK	5.141G	61.90	74.00	-12.10	6.57	3	Horizontal	87	1.12	-	55.33	31.67	4.71	29.81
PK	5.2376G	123.41	Inf	-Inf	6.77	3	Horizontal	87	1.12	-	116.64	31.79	4.79	29.81
PK	5.3546G	62.24	74.00	-11.76	7.00	3	Horizontal	87	1.12	-	55.24	31.93	4.87	29.80

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

23/03/2018

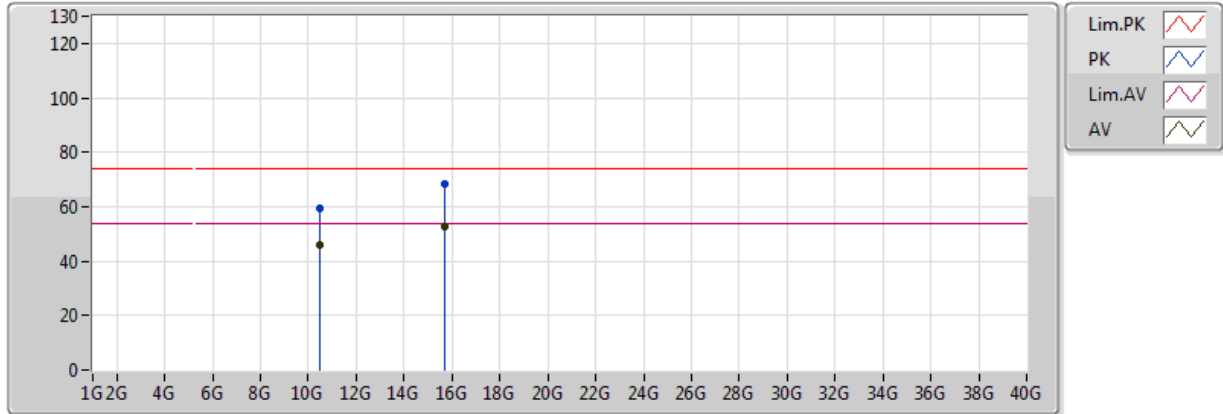


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.477924G	46.02	54.00	-7.98	15.46	3	Vertical	350	1.02	-	30.56	39.32	7.19	31.06
AV	15.725349G	53.14	54.00	-0.86	15.30	3	Vertical	189	1.63	-	37.84	38.17	9.07	31.94
PK	10.477206G	59.57	74.00	-14.43	15.46	3	Vertical	350	1.02	-	44.11	39.32	7.19	31.05
PK	15.723313G	69.15	74.00	-4.85	15.30	3	Vertical	189	1.63	-	53.85	38.18	9.07	31.94

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

23/03/2018

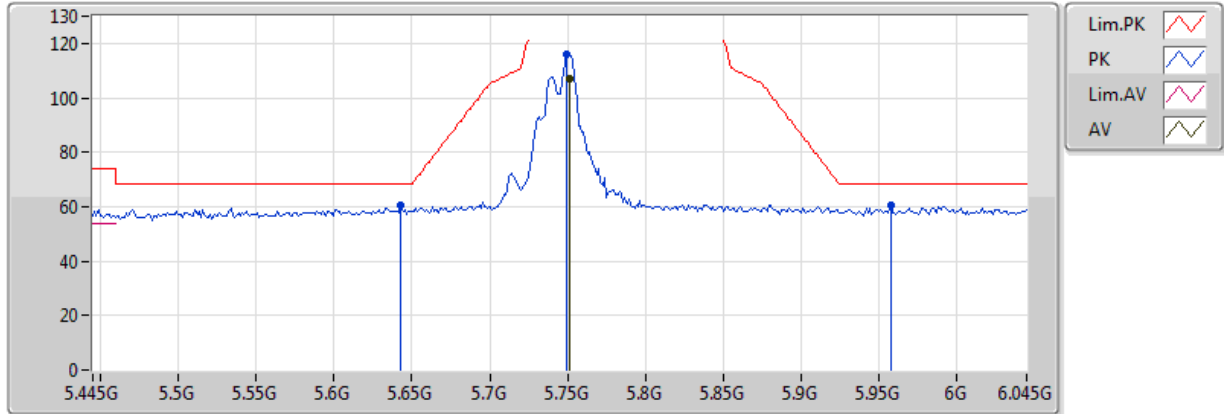


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.481836G	46.04	54.00	-7.96	15.46	3	Horizontal	284	3.11	-	30.58	39.33	7.19	31.06
AV	15.722315G	52.65	54.00	-1.35	15.31	3	Horizontal	360	1.93	-	37.34	38.18	9.06	31.94
PK	10.481317G	59.17	74.00	-14.83	15.46	3	Horizontal	284	3.11	-	43.71	39.33	7.19	31.06
PK	15.722675G	68.53	74.00	-5.47	15.31	3	Horizontal	360	1.93	-	53.22	38.18	9.06	31.94

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

23/03/2018

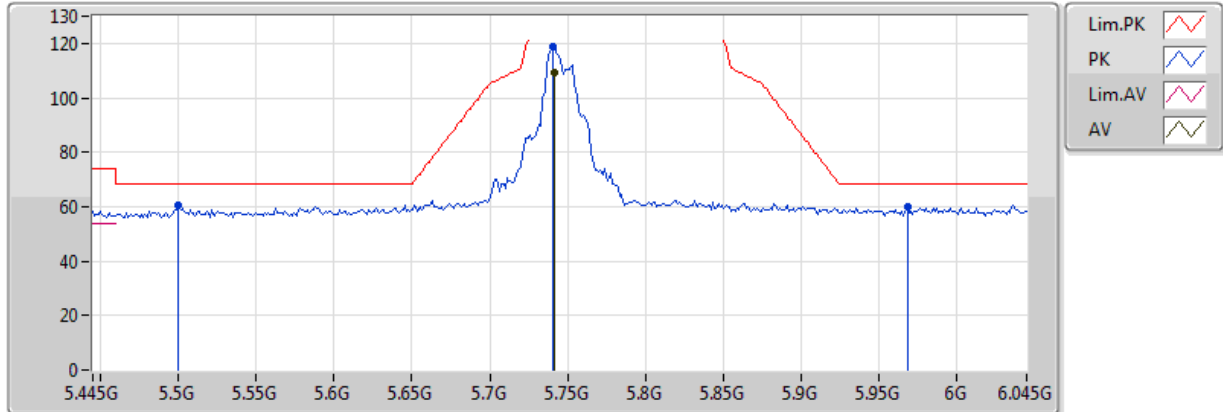


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.751G	106.87	Inf	-Inf	7.84	3	Vertical	265	2.25	-	99.03	32.40	5.31	29.87
PK	5.643G	60.63	68.20	-7.57	7.60	3	Vertical	265	2.25	-	53.03	32.27	5.17	29.84
PK	5.7498G	115.75	Inf	-Inf	7.83	3	Vertical	265	2.25	-	107.92	32.40	5.30	29.87
PK	5.9574G	60.50	68.20	-7.70	8.29	3	Vertical	265	2.25	-	52.21	32.65	5.57	29.93

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

23/03/2018

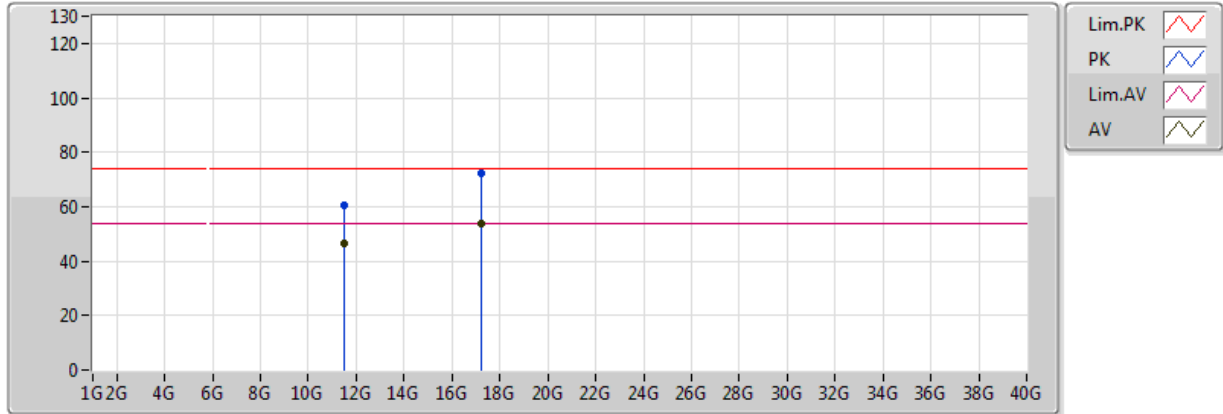


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7414G	109.07	Inf	-Inf	7.82	3	Horizontal	92	1.12	-	101.25	32.39	5.29	29.87
PK	5.5002G	60.38	68.20	-7.82	7.28	3	Horizontal	92	1.12	-	53.10	32.10	4.98	29.80
PK	5.7402G	118.69	Inf	-Inf	7.81	3	Horizontal	92	1.12	-	110.88	32.39	5.29	29.87
PK	5.9682G	60.01	68.20	-8.19	8.32	3	Horizontal	92	1.12	-	51.69	32.66	5.59	29.93

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

23/03/2018

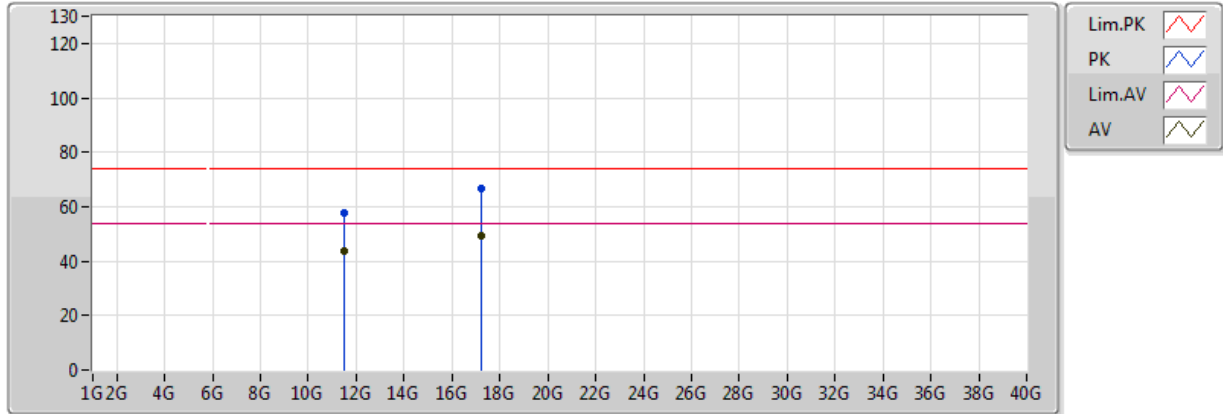


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.484491G	46.31	54.00	-7.69	15.78	3	Vertical	106	3.06	-	30.53	39.42	7.47	31.11
AV	17.229092G	53.72	54.00	-0.28	19.51	3	Vertical	263	1.79	-	34.21	41.88	9.41	31.78
PK	11.496028G	60.58	74.00	-13.42	15.77	3	Vertical	106	3.06	-	44.81	39.40	7.47	31.11
PK	17.22981G	72.29	74.00	-1.71	19.51	3	Vertical	263	1.79	-	52.78	41.89	9.41	31.78

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

23/03/2018

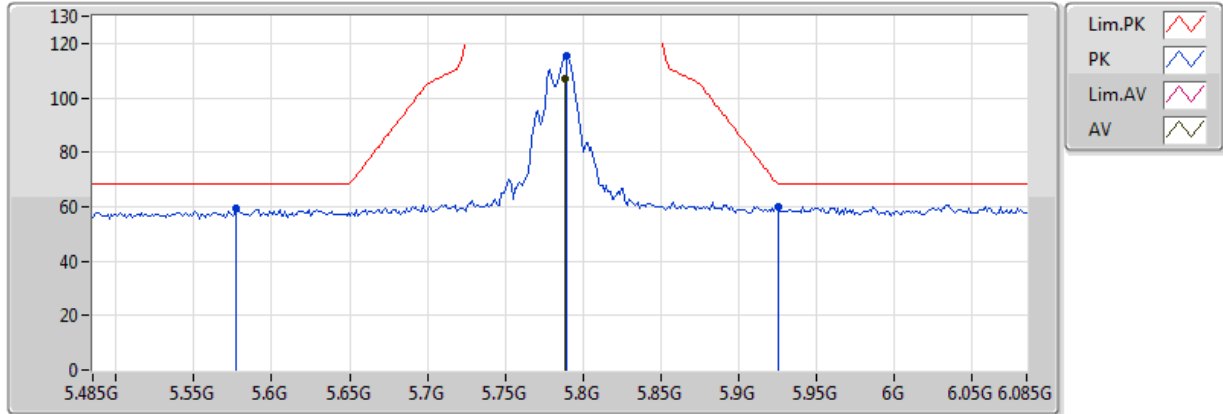


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.48501G	43.93	54.00	-10.07	15.78	3	Horizontal	23	2.34	-	28.15	39.42	7.47	31.11
AV	17.239551G	49.37	54.00	-4.63	19.59	3	Horizontal	219	1.01	-	29.78	41.95	9.41	31.78
PK	11.483373G	57.70	74.00	-16.30	15.78	3	Horizontal	23	2.34	-	41.92	39.42	7.47	31.11
PK	17.237435G	66.77	74.00	-7.23	19.57	3	Horizontal	219	1.01	-	47.20	41.94	9.41	31.78

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

23/03/2018

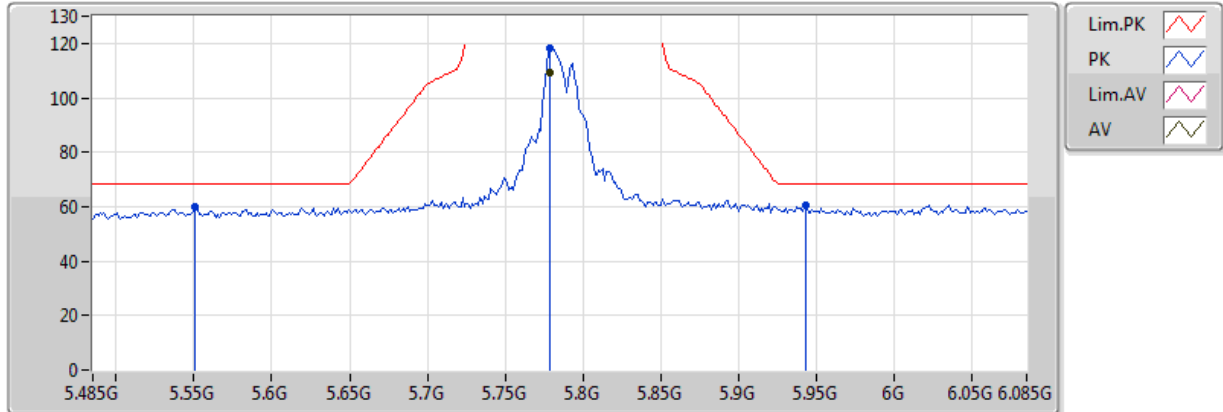


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7886G	106.78	Inf	-Inf	7.92	3	Vertical	251	2.17	-	98.86	32.45	5.36	29.88
PK	5.5774G	59.26	68.20	-8.94	7.45	3	Vertical	251	2.17	-	51.81	32.19	5.08	29.82
PK	5.7898G	115.34	Inf	-Inf	7.93	3	Vertical	251	2.17	-	107.41	32.45	5.36	29.88
PK	5.9254G	59.93	68.20	-8.27	8.22	3	Vertical	251	2.17	-	51.71	32.61	5.53	29.92

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

23/03/2018

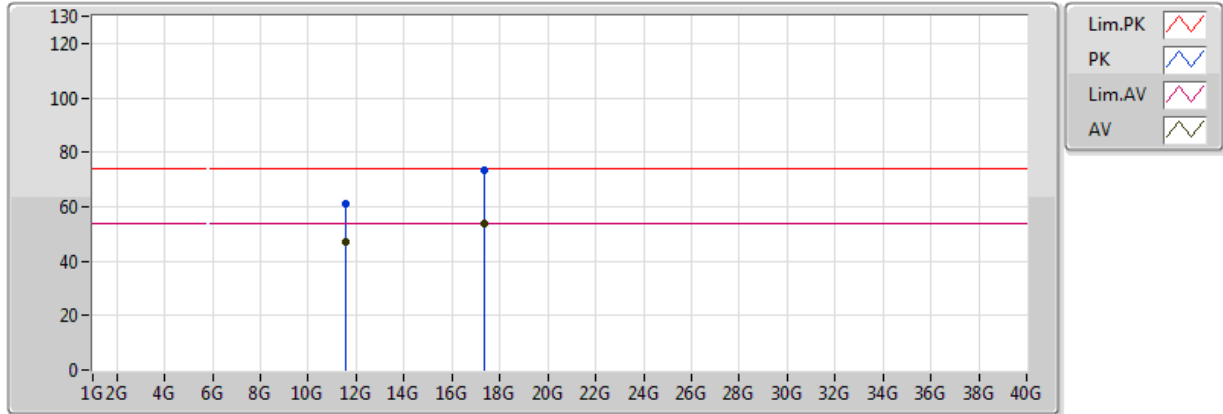


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AV	5.779G	109.37	Inf	-Inf	7.90	3	Horizontal	90	2.09	-	101.47	32.43	5.34	29.88
PK	5.551G	59.87	68.20	-8.33	7.39	3	Horizontal	90	2.09	-	52.48	32.16	5.05	29.82
PK	5.779G	118.32	Inf	-Inf	7.90	3	Horizontal	90	2.09	-	110.42	32.43	5.34	29.88
PK	5.9434G	60.34	68.20	-7.86	8.27	3	Horizontal	90	2.09	-	52.07	32.63	5.56	29.92

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

23/03/2018

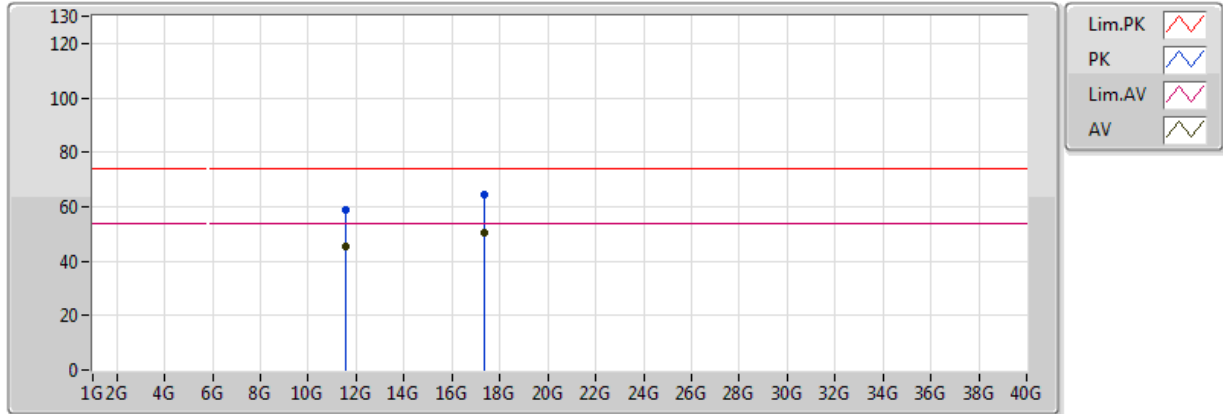


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.563214G	47.21	54.00	-6.79	15.72	3	Vertical	105	3.14	-	31.49	39.32	7.50	31.10
AV	17.356078G	53.66	54.00	-0.34	20.52	3	Vertical	28	1.99	-	33.14	42.76	9.50	31.74
PK	11.576028G	61.28	74.00	-12.72	15.71	3	Vertical	105	3.14	-	45.57	39.31	7.50	31.10
PK	17.357236G	73.43	74.00	-0.57	20.53	3	Vertical	28	1.99	-	52.90	42.76	9.51	31.74

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

23/03/2018

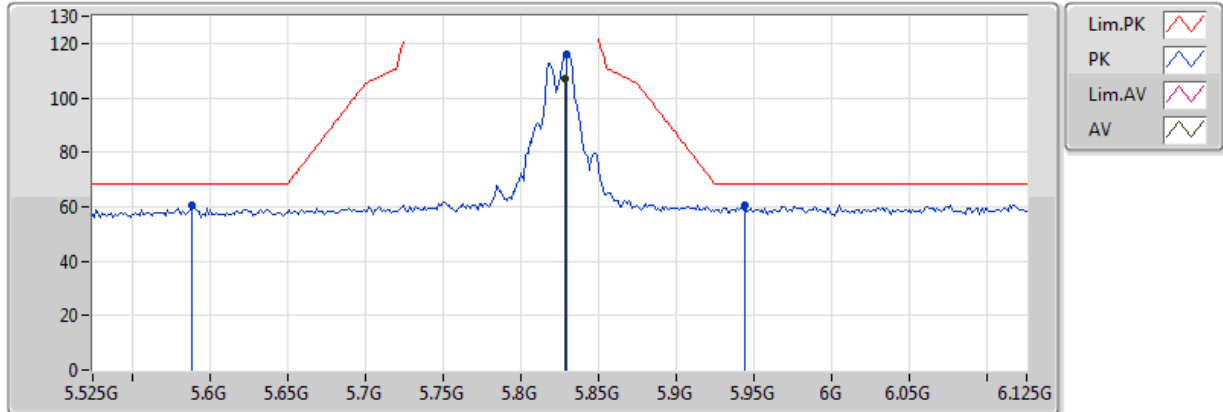


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.564092G	45.57	54.00	-8.43	15.72	3	Horizontal	224	2.02	-	29.85	39.32	7.50	31.10
AV	17.352844G	50.17	54.00	-3.83	20.50	3	Horizontal	224	1.85	-	29.67	42.73	9.50	31.74
PK	11.563134G	59.09	74.00	-14.91	15.72	3	Horizontal	224	2.02	-	43.37	39.32	7.50	31.10
PK	17.353044G	64.45	74.00	-9.55	20.50	3	Horizontal	224	1.85	-	43.95	42.74	9.50	31.74

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

23/03/2018

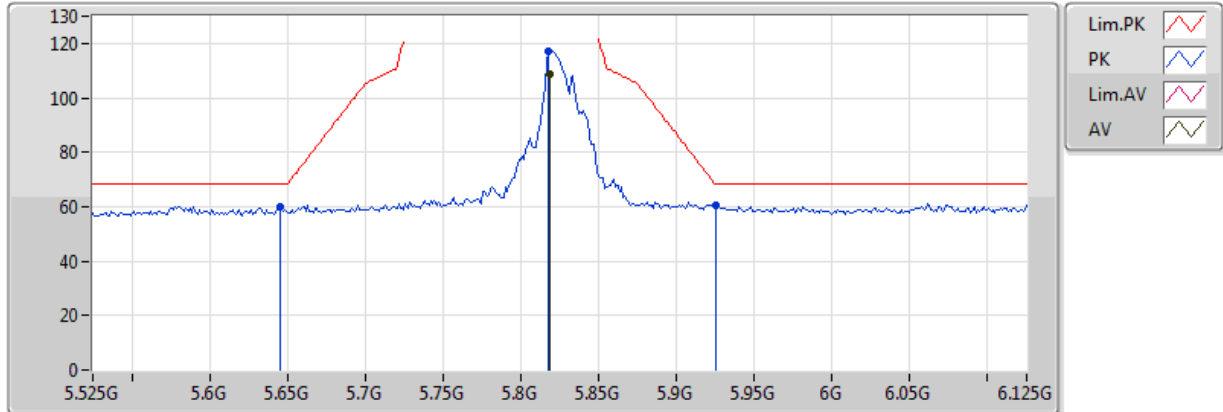


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8286G	107.14	Inf	-Inf	8.01	3	Vertical	249	2.22	-	99.13	32.49	5.41	29.89
PK	5.5886G	60.48	68.20	-7.72	7.48	3	Vertical	249	2.22	-	53.00	32.21	5.10	29.83
PK	5.8298G	116.13	Inf	-Inf	8.02	3	Vertical	249	2.22	-	108.11	32.50	5.41	29.89
PK	5.9438G	60.26	68.20	-7.94	8.27	3	Vertical	249	2.22	-	51.99	32.63	5.56	29.92

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

23/03/2018

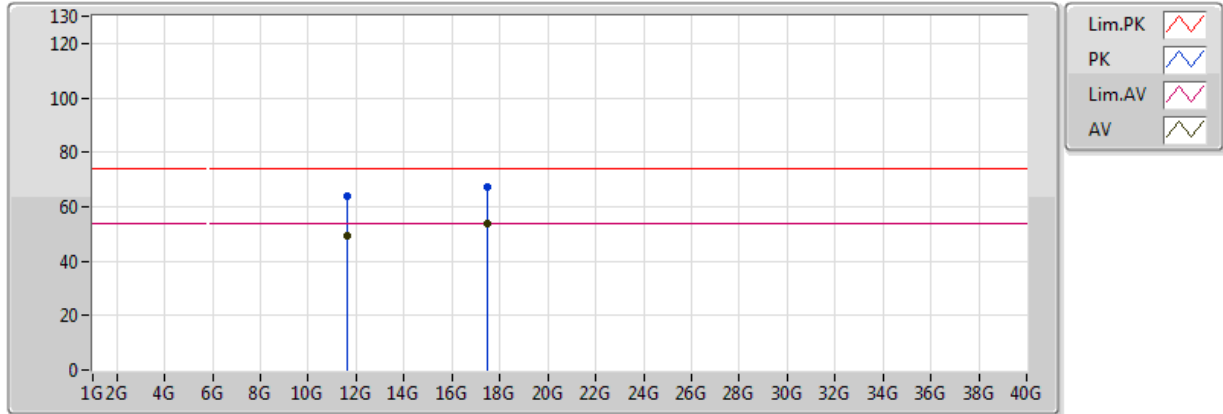


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.819G	108.67	Inf	-Inf	7.99	3	Horizontal	91	2.17	-	100.68	32.48	5.39	29.89
PK	5.645G	60.12	68.20	-8.08	7.60	3	Horizontal	91	2.17	-	52.52	32.27	5.17	29.84
PK	5.8178G	117.26	Inf	-Inf	7.99	3	Horizontal	91	2.17	-	109.27	32.48	5.39	29.89
PK	5.9258G	60.34	68.20	-7.86	8.22	3	Horizontal	91	2.17	-	52.12	32.61	5.53	29.92

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

23/03/2018

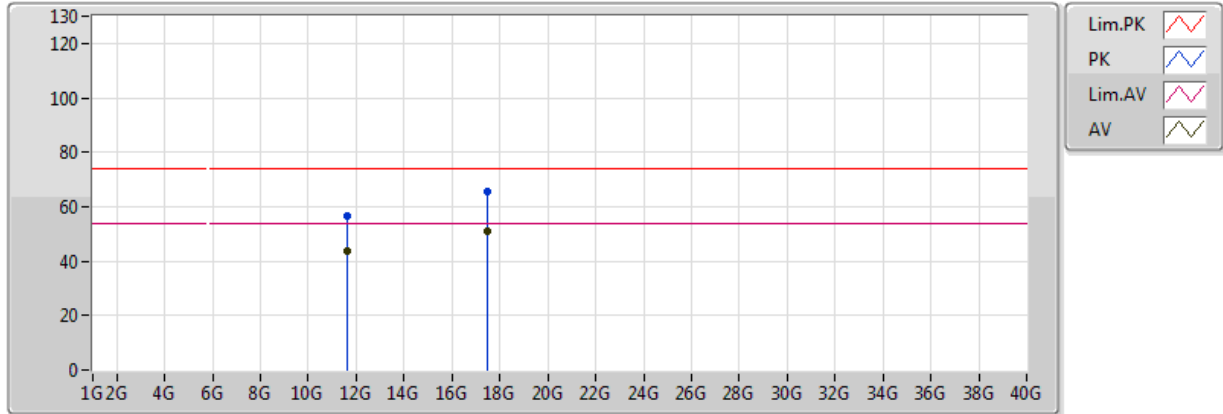


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.643573G	49.38	54.00	-4.62	15.66	3	Vertical	108	3.04	-	33.72	39.23	7.52	31.09
AV	17.471846G	53.83	54.00	-0.17	21.45	3	Vertical	215	1.87	-	32.38	43.56	9.59	31.70
PK	11.656108G	64.08	74.00	-9.92	15.65	3	Vertical	108	3.04	-	48.43	39.21	7.53	31.09
PK	17.471527G	67.13	74.00	-6.87	21.45	3	Vertical	215	1.87	-	45.68	43.55	9.59	31.70

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

23/03/2018

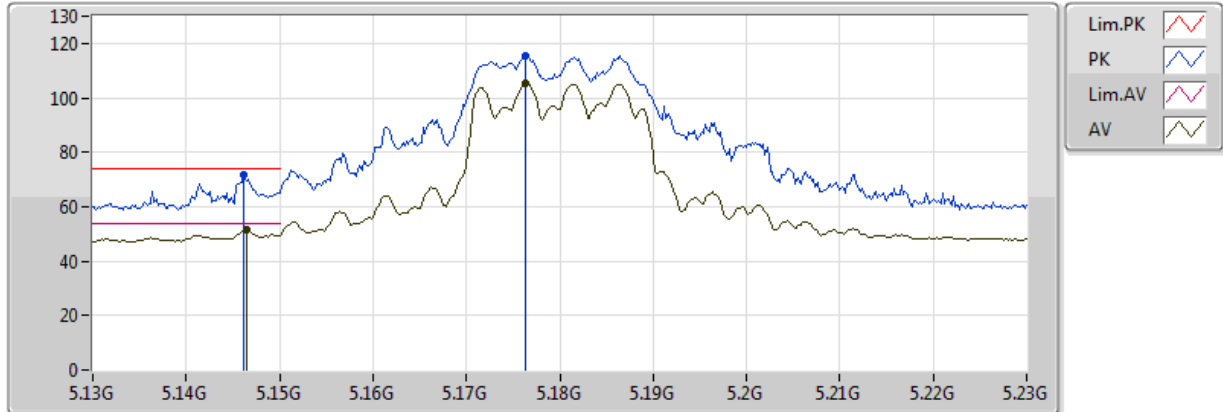


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.64481G	43.83	54.00	-10.17	15.66	3	Horizontal	192	1.97	-	28.17	39.23	7.52	31.09
AV	17.469052G	51.17	54.00	-2.83	21.43	3	Horizontal	329	1.97	-	29.74	43.54	9.59	31.70
PK	11.643932G	56.59	74.00	-17.41	15.66	3	Horizontal	192	1.97	-	40.93	39.23	7.52	31.09
PK	17.468014G	65.47	74.00	-8.53	21.42	3	Horizontal	329	1.97	-	44.05	43.53	9.59	31.70

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

23/03/2018

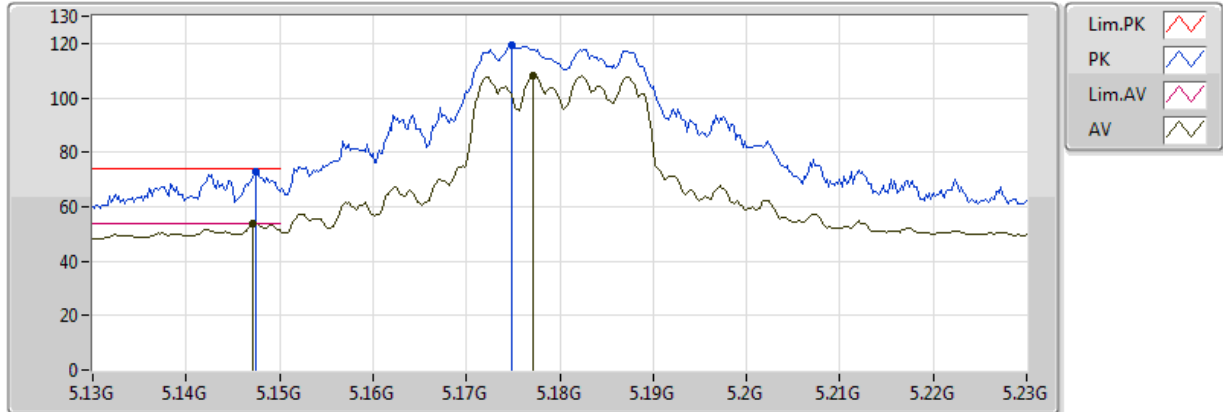


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1464G	51.60	54.00	-2.40	6.59	3	Vertical	27	2.66	-	45.01	31.68	4.72	29.81
AV	5.1764G	105.13	Inf	-Inf	6.64	3	Vertical	27	2.66	-	98.49	31.71	4.74	29.81
PK	5.1462G	71.82	74.00	-2.18	6.59	3	Vertical	27	2.66	-	65.23	31.68	4.72	29.81
PK	5.1764G	115.24	Inf	-Inf	6.64	3	Vertical	27	2.66	-	108.60	31.71	4.74	29.81

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

23/03/2018

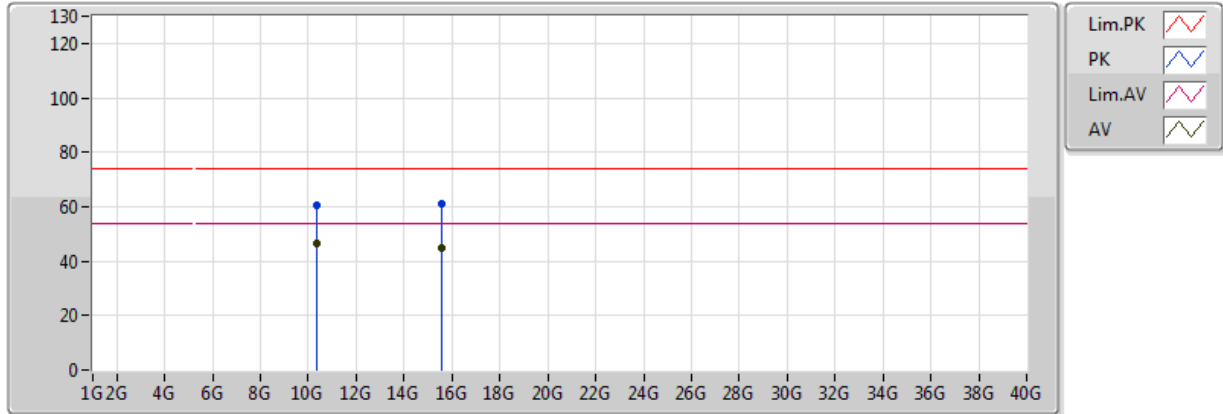


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1472G	53.85	54.00	-0.15	6.59	3	Horizontal	84	1.09	-	47.26	31.68	4.72	29.81
AV	5.1772G	108.31	Inf	-Inf	6.64	3	Horizontal	84	1.09	-	101.67	31.71	4.74	29.81
PK	5.1474G	72.65	74.00	-1.35	6.59	3	Horizontal	84	1.09	-	66.06	31.68	4.72	29.81
PK	5.1748G	119.23	Inf	-Inf	6.64	3	Horizontal	84	1.09	-	112.59	31.71	4.74	29.81

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

23/03/2018

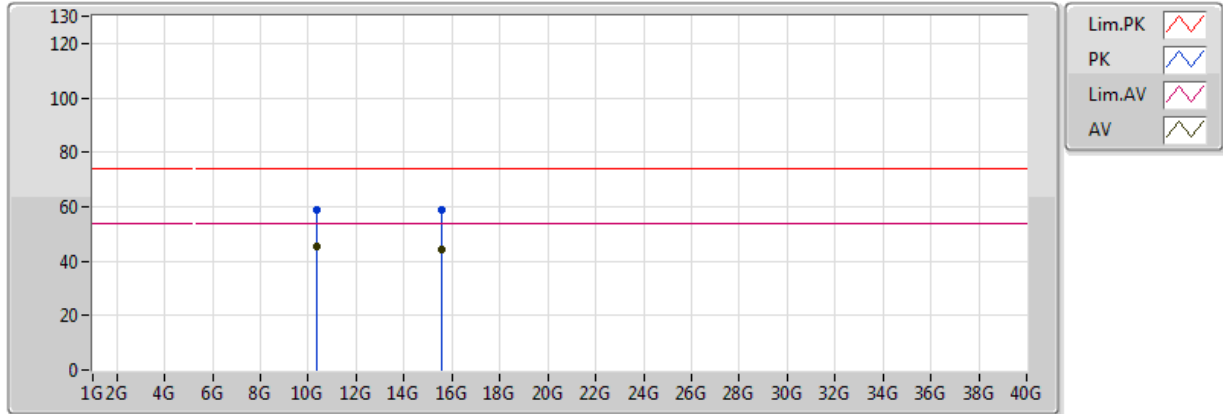


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.359042G	46.51	54.00	-7.49	15.30	3	Vertical	355	1.17	-	31.21	39.17	7.16	31.03
AV	15.543593G	45.07	54.00	-8.93	15.92	3	Vertical	202	3.16	-	29.15	38.88	8.93	31.90
PK	10.359082G	60.70	74.00	-13.30	15.30	3	Vertical	355	1.17	-	45.40	39.17	7.16	31.03
PK	15.547106G	61.21	74.00	-12.79	15.90	3	Vertical	202	3.16	-	45.31	38.87	8.93	31.90

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

23/03/2018

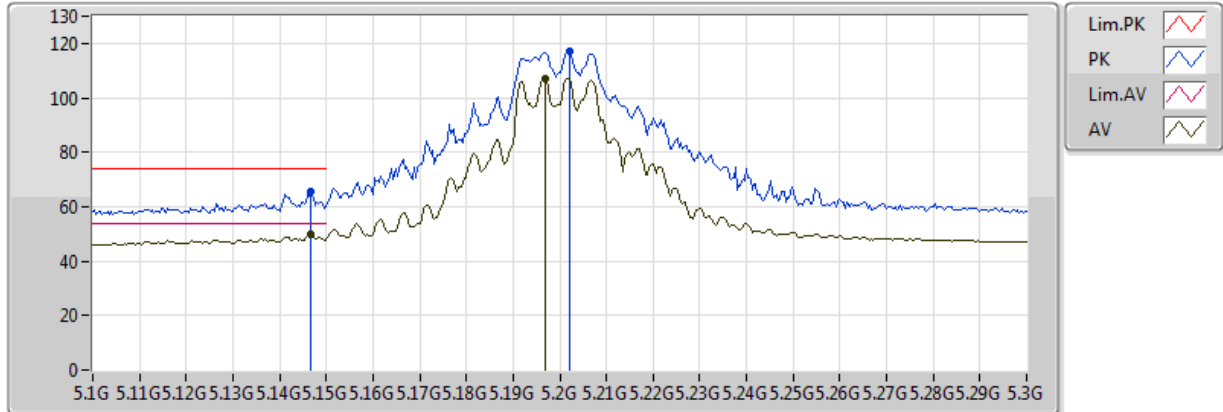


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.360878G	45.35	54.00	-8.65	15.30	3	Horizontal	285	3.15	-	30.05	39.17	7.16	31.03
AV	15.540679G	44.44	54.00	-9.56	15.93	3	Horizontal	360	1.96	-	28.51	38.89	8.93	31.90
PK	10.361277G	59.01	74.00	-14.99	15.30	3	Horizontal	285	3.15	-	43.71	39.17	7.16	31.03
PK	15.545908G	58.81	74.00	-15.19	15.91	3	Horizontal	360	1.96	-	42.90	38.87	8.93	31.90

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

24/03/2018

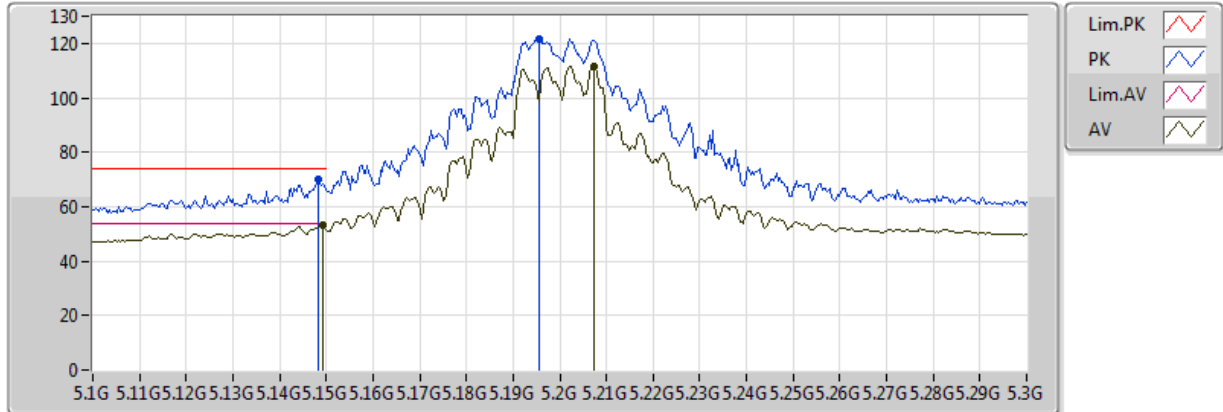


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1468G	49.88	54.00	-4.12	6.59	3	Vertical	27	2.71	-	43.29	31.68	4.72	29.81
AV	5.1968G	107.05	Inf	-Inf	6.68	3	Vertical	27	2.71	-	100.37	31.74	4.76	29.81
PK	5.1468G	65.60	74.00	-8.40	6.59	3	Vertical	27	2.71	-	59.01	31.68	4.72	29.81
PK	5.202G	117.13	Inf	-Inf	6.69	3	Vertical	27	2.71	-	110.44	31.74	4.76	29.81

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

24/03/2018

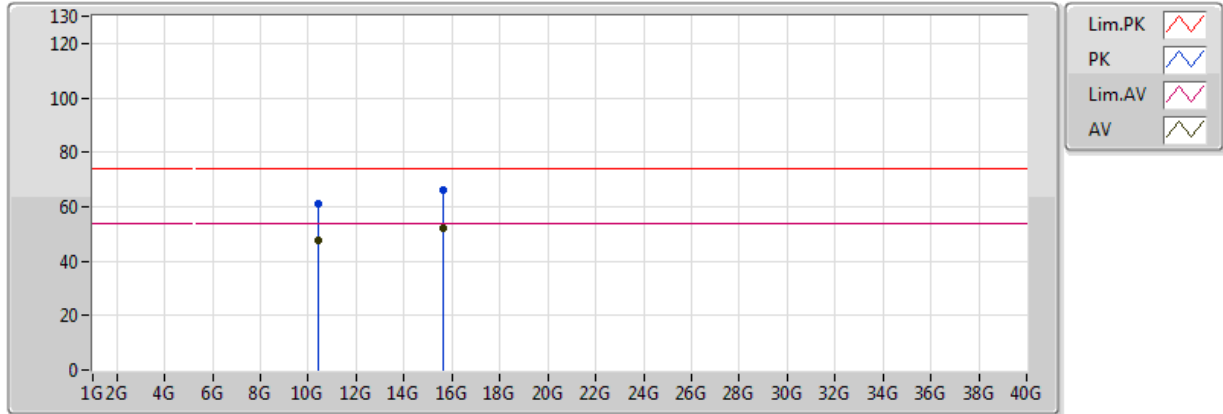


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1492G	53.35	54.00	-0.65	6.59	3	Horizontal	81	1.06	-	46.76	31.68	4.72	29.81
AV	5.2072G	111.56	Inf	-Inf	6.70	3	Horizontal	81	1.06	-	104.86	31.75	4.77	29.81
PK	5.1484G	70.05	74.00	-3.95	6.59	3	Horizontal	81	1.06	-	63.46	31.68	4.72	29.81
PK	5.1956G	121.70	Inf	-Inf	6.68	3	Horizontal	81	1.06	-	115.02	31.73	4.76	29.81

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

24/03/2018

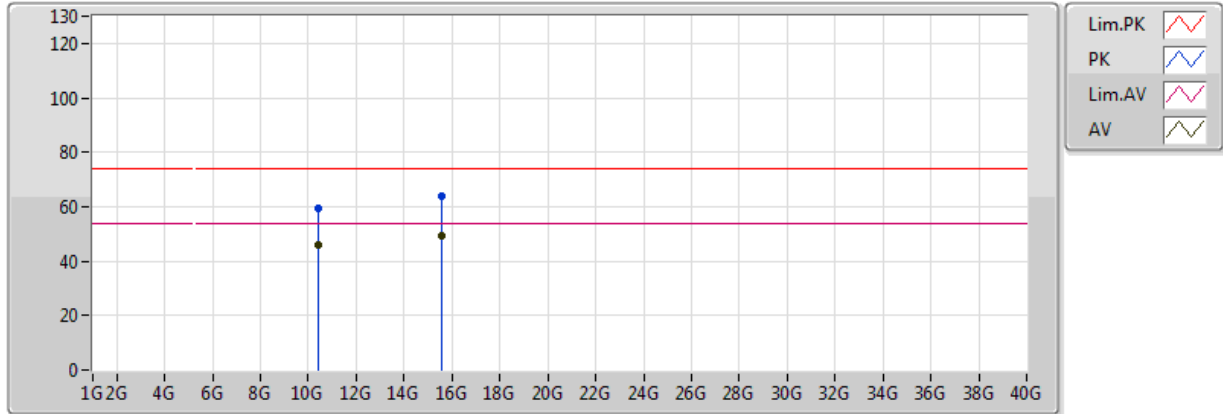


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.39984G	47.62	54.00	-6.38	15.35	3	Vertical	347	1.05	-	32.27	39.22	7.17	31.04
AV	15.603433G	51.91	54.00	-2.09	15.71	3	Vertical	223	1.79	-	36.20	38.65	8.98	31.91
PK	10.399641G	60.91	74.00	-13.09	15.35	3	Vertical	347	1.05	-	45.56	39.22	7.17	31.04
PK	15.603353G	66.08	74.00	-7.92	15.71	3	Vertical	223	1.79	-	50.37	38.65	8.98	31.91

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

24/03/2018

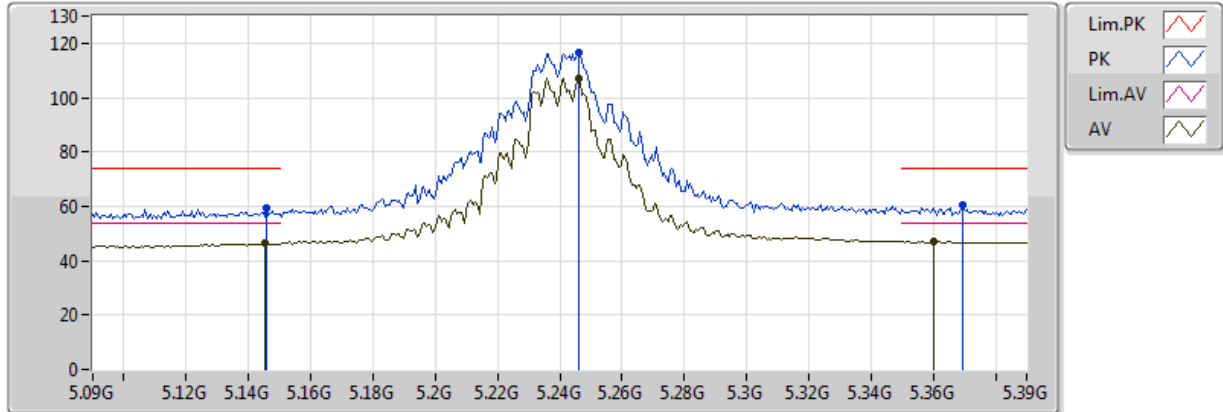


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.401597G	45.92	54.00	-8.08	15.36	3	Horizontal	287	2.01	-	30.56	39.22	7.17	31.04
AV	15.6002G	49.38	54.00	-4.62	15.72	3	Horizontal	58	1.89	-	33.66	38.66	8.97	31.91
PK	10.406667G	59.39	74.00	-14.61	15.36	3	Horizontal	287	2.01	-	44.03	39.23	7.17	31.04
PK	15.595369G	63.84	74.00	-10.16	15.74	3	Horizontal	58	1.89	-	48.10	38.68	8.97	31.91

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

24/03/2018

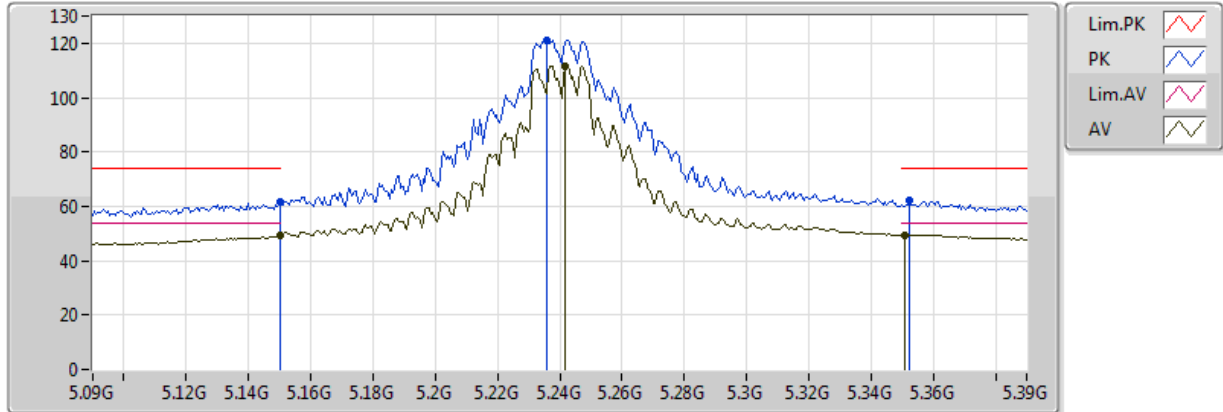


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1452G	46.26	54.00	-7.74	6.58	3	Vertical	332	2.17	-	39.68	31.67	4.72	29.81
AV	5.246G	107.21	Inf	-Inf	6.78	3	Vertical	332	2.17	-	100.43	31.80	4.79	29.81
AV	5.36G	46.92	54.00	-7.08	7.01	3	Vertical	332	2.17	-	39.91	31.93	4.88	29.80
PK	5.1458G	59.19	74.00	-14.81	6.58	3	Vertical	332	2.17	-	52.61	31.67	4.72	29.81
PK	5.246G	116.28	Inf	-Inf	6.78	3	Vertical	332	2.17	-	109.50	31.80	4.79	29.81
PK	5.3696G	60.29	74.00	-13.71	7.03	3	Vertical	332	2.17	-	53.26	31.94	4.89	29.80

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

24/03/2018

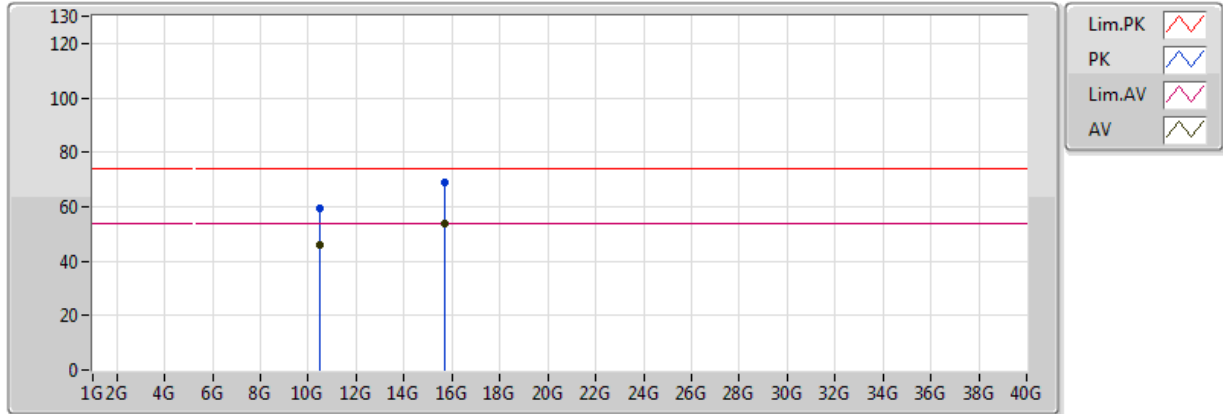


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	49.34	54.00	-4.66	6.59	3	Horizontal	79	1.08	-	42.75	31.68	4.72	29.81
AV	5.2418G	111.64	Inf	-Inf	6.77	3	Horizontal	79	1.08	-	104.87	31.79	4.79	29.81
AV	5.351G	49.57	54.00	-4.43	6.99	3	Horizontal	79	1.08	-	42.58	31.92	4.87	29.80
PK	5.149995G	61.58	74.00	-12.42	6.59	3	Horizontal	79	1.08	-	54.99	31.68	4.72	29.81
PK	5.2358G	121.15	Inf	-Inf	6.76	3	Horizontal	79	1.08	-	114.39	31.78	4.79	29.81
PK	5.3522G	62.16	74.00	-11.84	6.99	3	Horizontal	79	1.08	-	55.17	31.92	4.87	29.80

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

24/03/2018

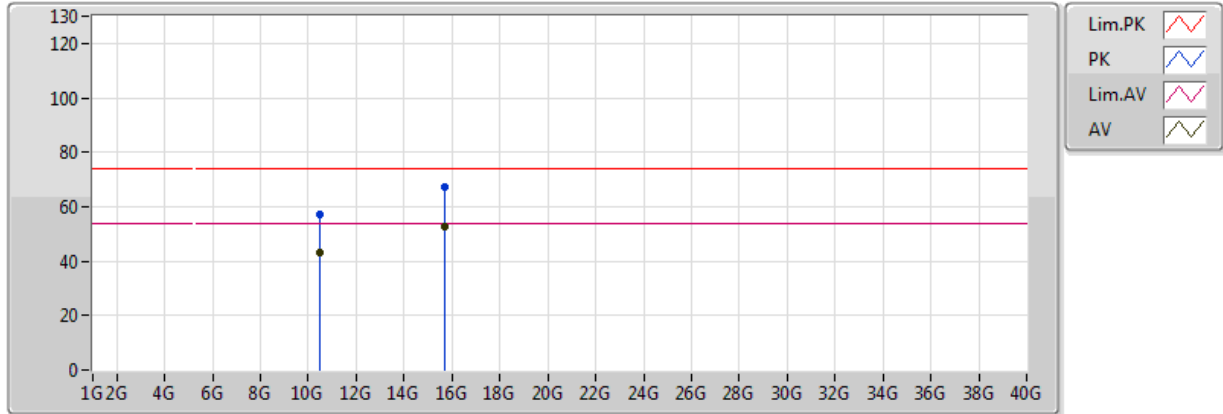


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.48G	46.01	54.00	-7.99	15.46	3	Vertical	349	1.02	-	30.55	39.32	7.19	31.06
AV	15.719521G	53.81	54.00	-0.19	15.32	3	Vertical	198	3.19	-	38.49	38.19	9.06	31.94
PK	10.47984G	59.38	74.00	-14.62	15.46	3	Vertical	349	1.02	-	43.92	39.32	7.19	31.06
PK	15.724551G	69.20	74.00	-4.80	15.30	3	Vertical	198	3.19	-	53.90	38.17	9.07	31.94

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

24/03/2018

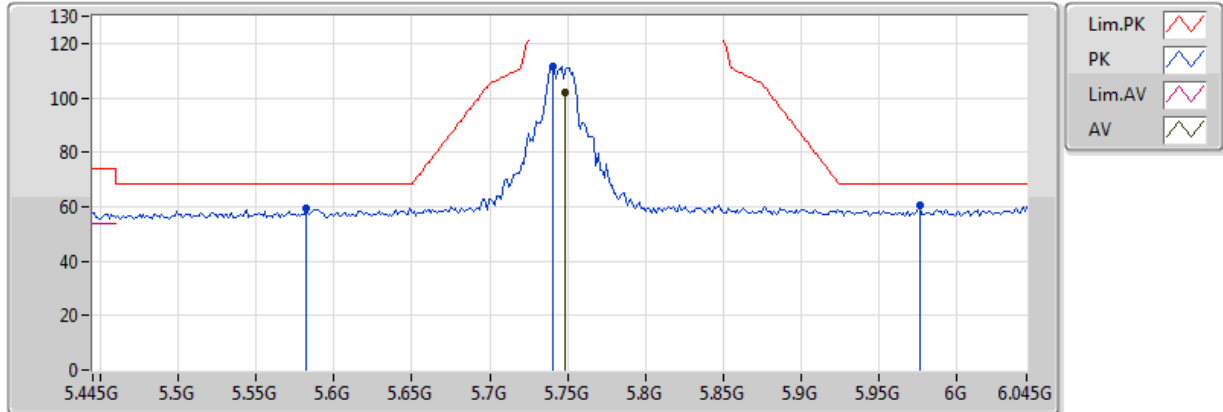


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.48008G	42.88	54.00	-11.12	15.46	3	Horizontal	190	1.19	-	27.42	39.32	7.19	31.06
AV	15.72024G	52.40	54.00	-1.60	15.31	3	Horizontal	62	1.89	-	37.09	38.19	9.06	31.94
PK	10.485269G	56.91	74.00	-17.09	15.47	3	Horizontal	190	1.19	-	41.44	39.33	7.19	31.06
PK	15.72515G	67.50	74.00	-6.50	15.30	3	Horizontal	62	1.89	-	52.20	38.17	9.07	31.94

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

24/03/2018

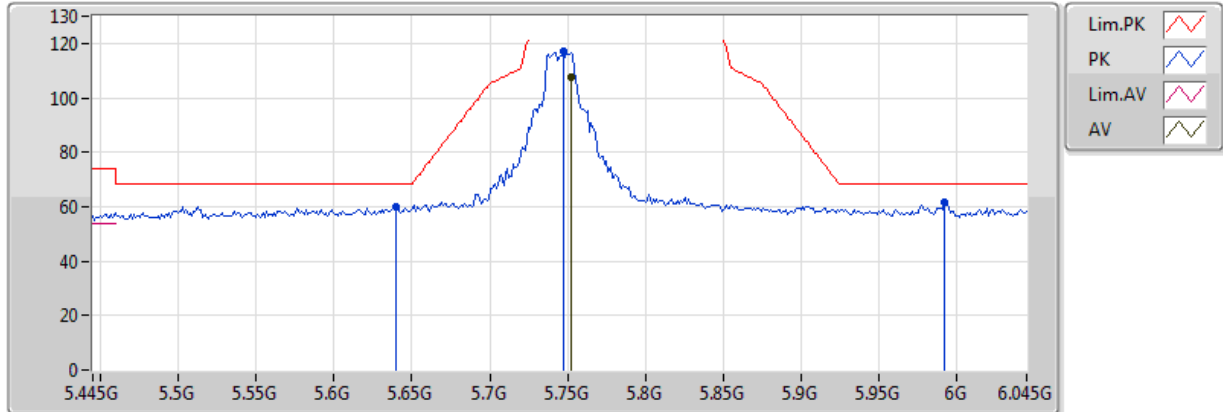


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7486G	101.77	Inf	-Inf	7.83	3	Vertical	82	1.03	-	93.94	32.40	5.30	29.87
PK	5.5818G	59.18	68.20	-9.02	7.47	3	Vertical	82	1.03	-	51.71	32.20	5.09	29.82
PK	5.7402G	111.57	Inf	-Inf	7.81	3	Vertical	82	1.03	-	103.76	32.39	5.29	29.87
PK	5.9766G	60.31	68.20	-7.89	8.34	3	Vertical	82	1.03	-	51.97	32.67	5.60	29.93

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

24/03/2018

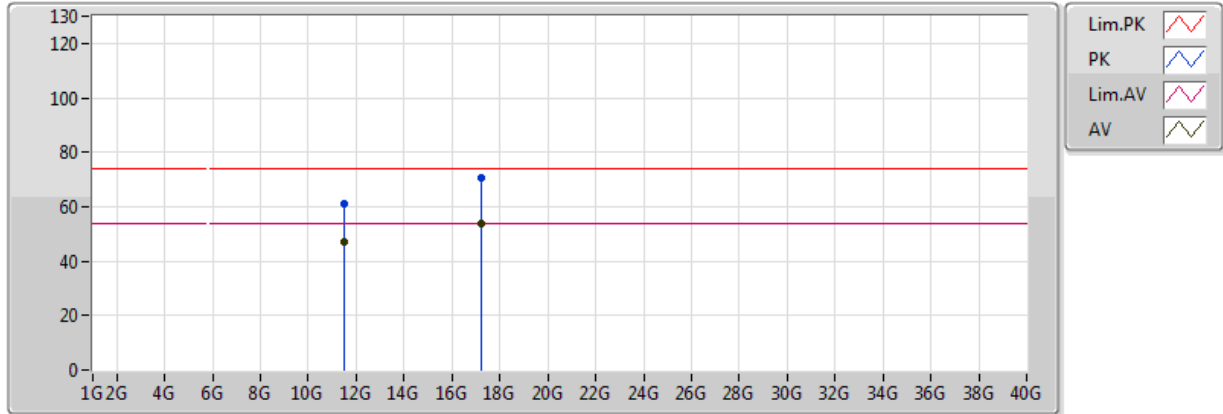


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7522G	107.66	Inf	-Inf	7.84	3	Horizontal	110	2.10	-	99.82	32.40	5.31	29.87
PK	5.6394G	60.12	68.20	-8.08	7.59	3	Horizontal	110	2.10	-	52.53	32.27	5.16	29.84
PK	5.7474G	117.26	Inf	-Inf	7.83	3	Horizontal	110	2.10	-	109.43	32.40	5.30	29.87
PK	5.9922G	61.61	68.20	-6.59	8.37	3	Horizontal	110	2.10	-	53.24	32.69	5.62	29.94

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

24/03/2018

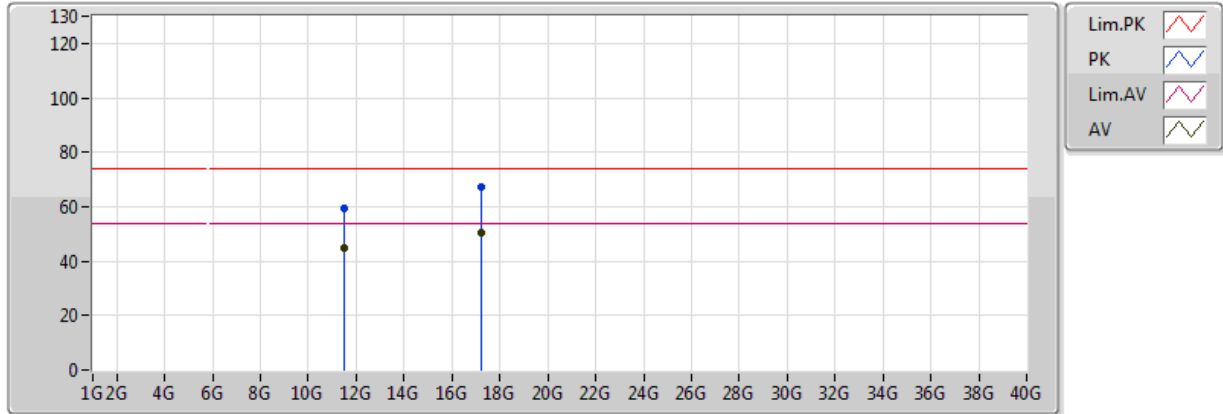


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.492236G	46.95	54.00	-7.05	15.77	3	Vertical	105	2.33	-	31.18	39.41	7.47	31.11
AV	17.237914G	53.55	54.00	-0.45	19.58	3	Vertical	27	1.93	-	33.97	41.94	9.41	31.78
PK	11.487525G	60.95	74.00	-13.05	15.77	3	Vertical	105	2.33	-	45.18	39.41	7.47	31.11
PK	17.232645G	70.71	74.00	-3.29	19.53	3	Vertical	27	1.93	-	51.18	41.91	9.41	31.78

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

24/03/2018

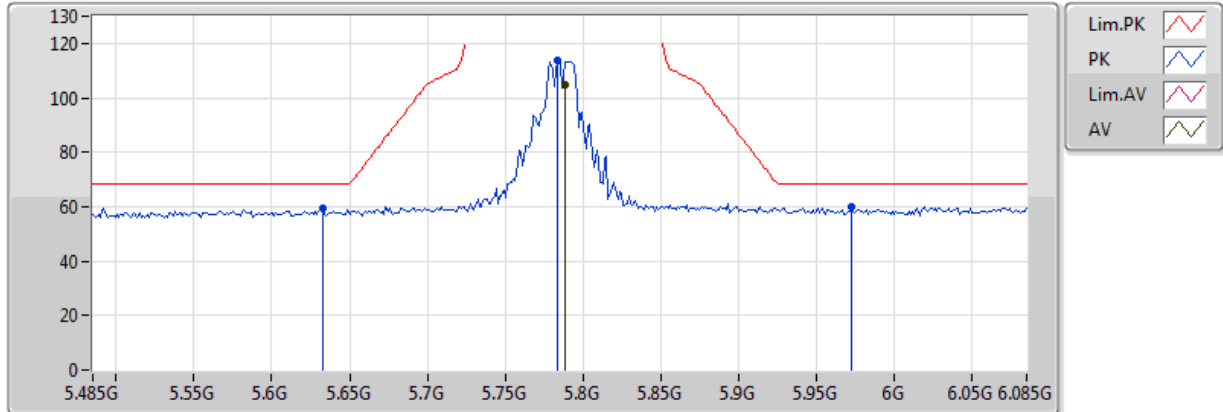


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.492315G	44.62	54.00	-9.38	15.77	3	Horizontal	27	2.10	-	28.85	39.41	7.47	31.11
AV	17.232924G	50.28	54.00	-3.72	19.54	3	Horizontal	44	1.01	-	30.74	41.91	9.41	31.78
PK	11.492715G	59.14	74.00	-14.86	15.77	3	Horizontal	27	2.10	-	43.37	39.41	7.47	31.11
PK	17.232804G	67.00	74.00	-7.00	19.53	3	Horizontal	44	1.01	-	47.47	41.91	9.41	31.78

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

24/03/2018

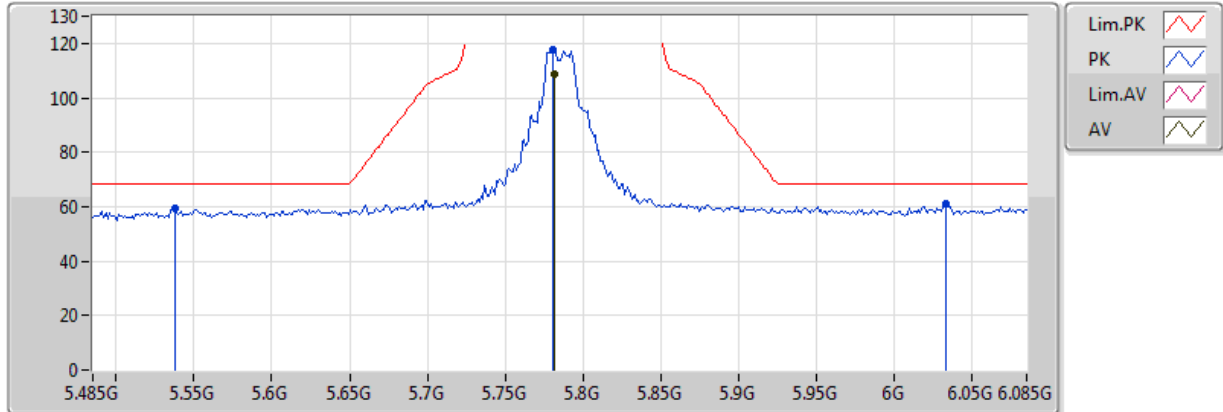


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7886G	104.75	Inf	-Inf	7.92	3	Vertical	289	2.09	-	96.83	32.45	5.36	29.88
PK	5.6326G	59.40	68.20	-8.80	7.57	3	Vertical	289	2.09	-	51.83	32.26	5.15	29.84
PK	5.7838G	113.94	Inf	-Inf	7.91	3	Vertical	289	2.09	-	106.03	32.44	5.35	29.88
PK	5.9722G	59.79	68.20	-8.41	8.33	3	Vertical	289	2.09	-	51.46	32.67	5.59	29.93

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

24/03/2018

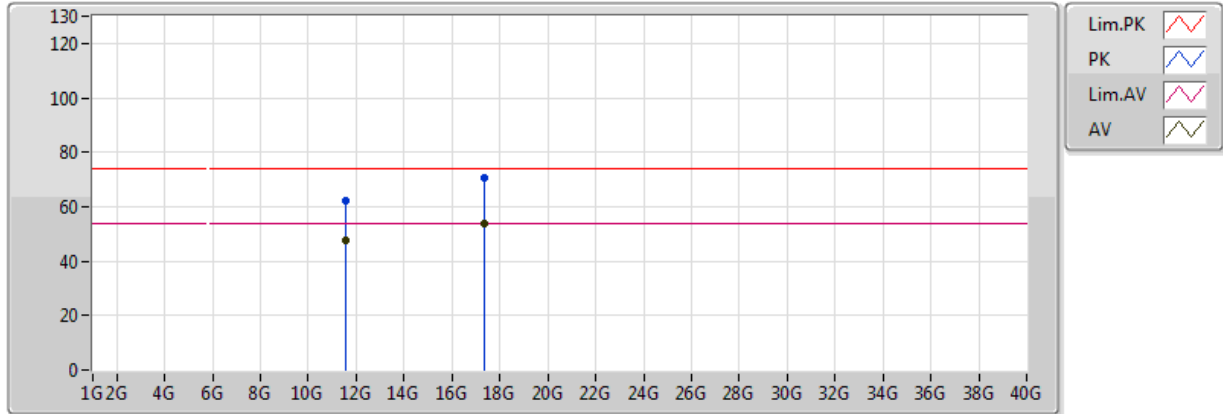


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7814G	108.59	Inf	-Inf	7.91	3	Horizontal	108	1.18	-	100.68	32.44	5.35	29.88
PK	5.5378G	59.23	68.20	-8.97	7.37	3	Horizontal	108	1.18	-	51.86	32.15	5.03	29.81
PK	5.7802G	117.51	Inf	-Inf	7.90	3	Horizontal	108	1.18	-	109.61	32.44	5.34	29.88
PK	6.0334G	61.13	68.20	-7.07	8.49	3	Horizontal	108	1.18	-	52.64	32.83	5.62	29.96

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

24/03/2018

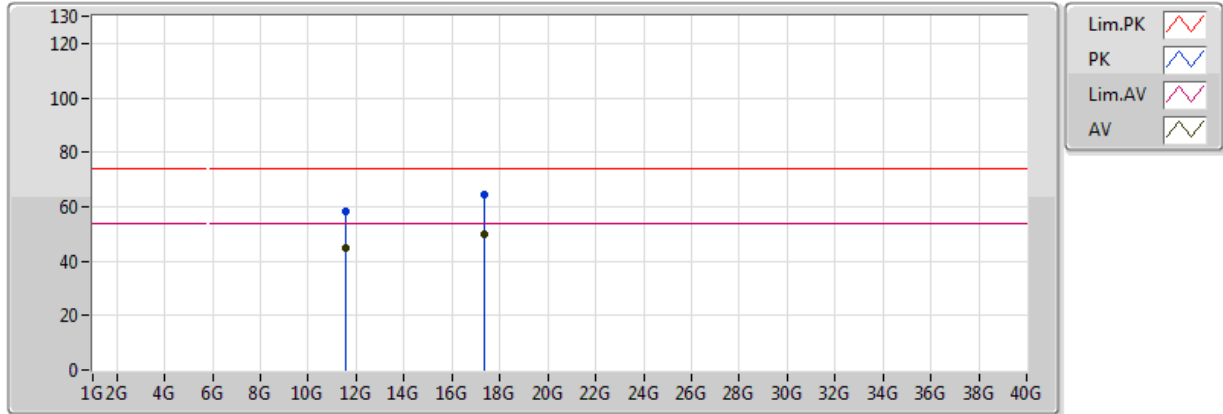


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.571996G	47.62	54.00	-6.38	15.71	3	Vertical	105	2.33	-	31.91	39.31	7.50	31.10
AV	17.355559G	53.76	54.00	-0.24	20.52	3	Vertical	28	1.90	-	33.24	42.75	9.50	31.74
PK	11.571796G	62.19	74.00	-11.81	15.71	3	Vertical	105	2.33	-	46.48	39.31	7.50	31.10
PK	17.350489G	70.60	74.00	-3.40	20.48	3	Vertical	28	1.90	-	50.12	42.72	9.50	31.74

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

24/03/2018

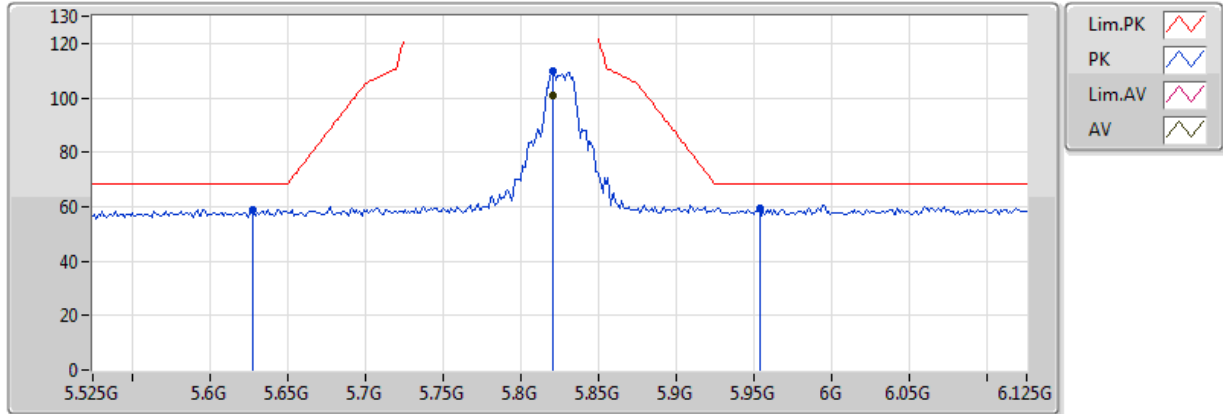


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.572236G	44.60	54.00	-9.40	15.71	3	Horizontal	32	1.83	-	28.89	39.31	7.50	31.10
AV	17.360269G	50.05	54.00	-3.95	20.56	3	Horizontal	27	1.05	-	29.49	42.79	9.51	31.74
PK	11.572116G	58.39	74.00	-15.61	15.71	3	Horizontal	32	1.83	-	42.68	39.31	7.50	31.10
PK	17.360988G	64.22	74.00	-9.78	20.56	3	Horizontal	27	1.05	-	43.66	42.79	9.51	31.74

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

24/03/2018

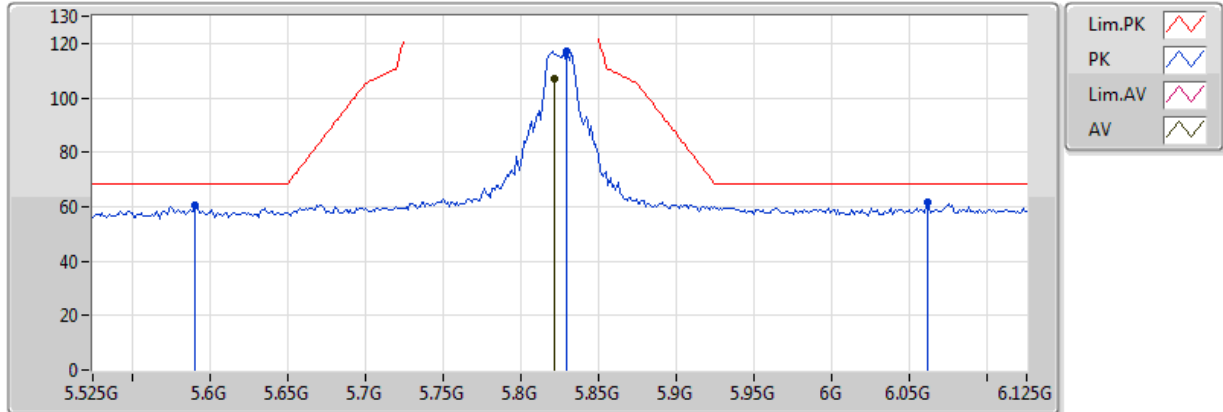


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8202G	101.11	Inf	-Inf	7.99	3	Vertical	47	1.15	-	93.12	32.48	5.40	29.89
PK	5.6282G	58.97	68.20	-9.23	7.56	3	Vertical	47	1.15	-	51.41	32.25	5.15	29.84
PK	5.8202G	110.09	Inf	-Inf	7.99	3	Vertical	47	1.15	-	102.10	32.48	5.40	29.89
PK	5.9534G	59.43	68.20	-8.77	8.28	3	Vertical	47	1.15	-	51.15	32.64	5.57	29.93

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

24/03/2018

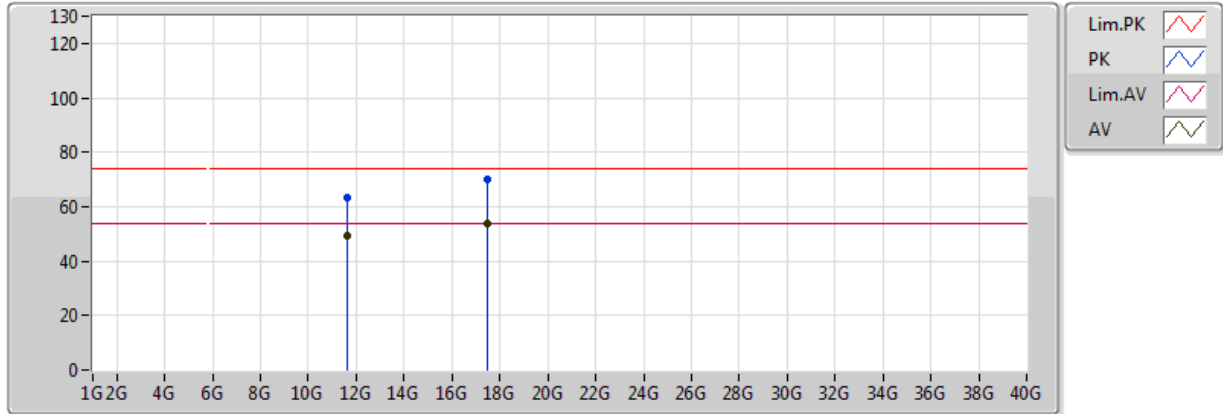


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8214G	106.98	Inf	-Inf	8.00	3	Horizontal	107	2.18	-	98.98	32.49	5.40	29.89
PK	5.591G	60.25	68.20	-7.95	7.48	3	Horizontal	107	2.18	-	52.77	32.21	5.10	29.83
PK	5.8298G	117.17	Inf	-Inf	8.02	3	Horizontal	107	2.18	-	109.15	32.50	5.41	29.89
PK	6.0614G	61.59	68.20	-6.61	8.57	3	Horizontal	107	2.18	-	53.02	32.93	5.61	29.97

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

24/03/2018

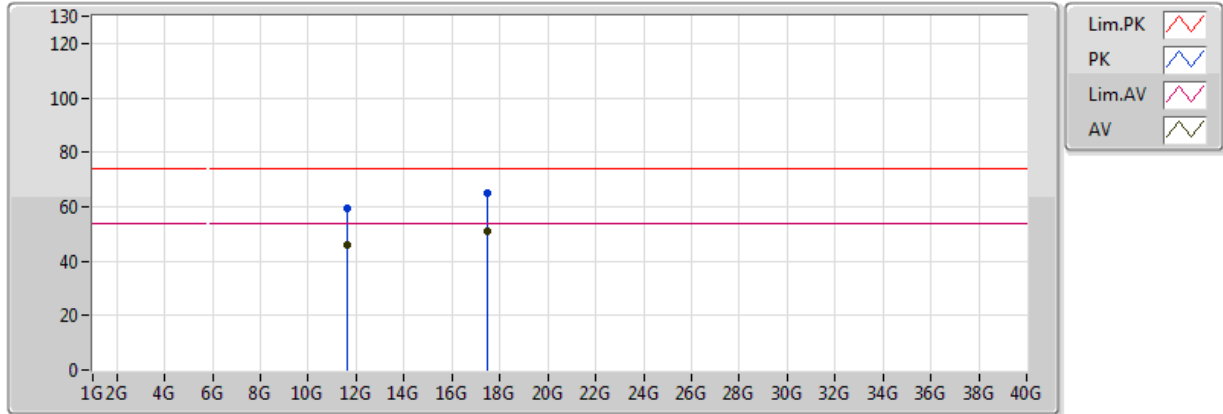


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.652036G	49.34	54.00	-4.66	15.65	3	Vertical	103	2.33	-	33.69	39.22	7.53	31.09
AV	17.475279G	53.80	54.00	-0.20	21.48	3	Vertical	28	1.99	-	32.32	43.58	9.60	31.70
PK	11.651876G	63.34	74.00	-10.66	15.65	3	Vertical	103	2.33	-	47.69	39.22	7.53	31.09
PK	17.470609G	70.14	74.00	-3.86	21.44	3	Vertical	28	1.99	-	48.70	43.55	9.59	31.70

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

24/03/2018

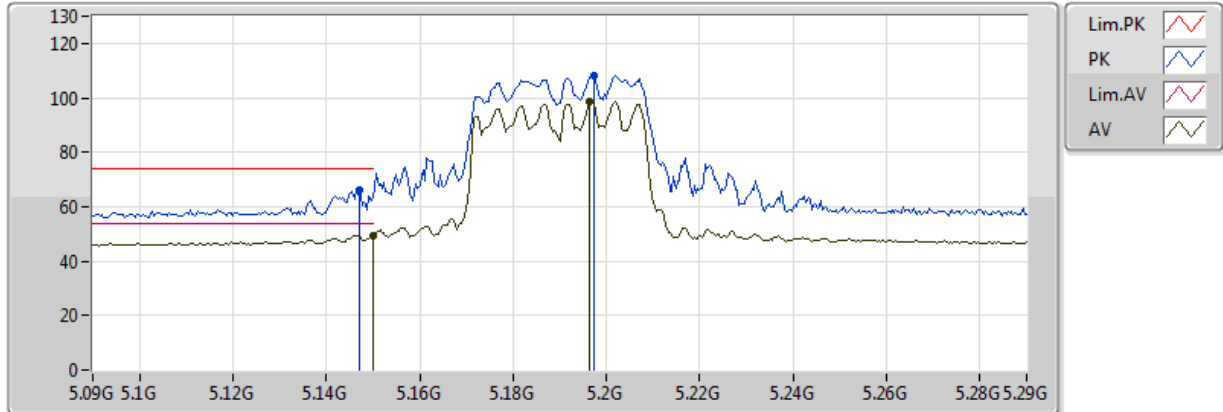


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.651836G	45.92	54.00	-8.08	15.65	3	Horizontal	318	1.89	-	30.27	39.22	7.53	31.09
AV	17.477395G	51.00	54.00	-3.00	21.49	3	Horizontal	334	1.01	-	29.51	43.59	9.60	31.70
PK	11.647246G	59.63	74.00	-14.37	15.65	3	Horizontal	318	1.89	-	43.98	39.22	7.52	31.09
PK	17.472006G	64.79	74.00	-9.21	21.45	3	Horizontal	334	1.01	-	43.34	43.56	9.59	31.70

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

24/03/2018

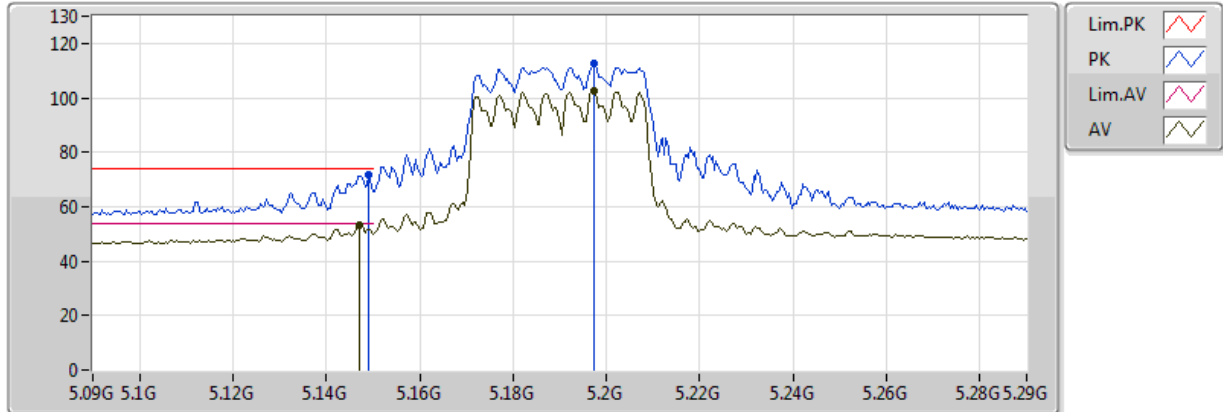


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	49.58	54.00	-4.42	6.59	3	Vertical	31	2.71	-	42.99	31.68	4.72	29.81
AV	5.1964G	98.66	Inf	-Inf	6.68	3	Vertical	31	2.71	-	91.98	31.74	4.76	29.81
PK	5.1472G	66.37	74.00	-7.63	6.59	3	Vertical	31	2.71	-	59.78	31.68	4.72	29.81
PK	5.1972G	108.09	Inf	-Inf	6.68	3	Vertical	31	2.71	-	101.41	31.74	4.76	29.81

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

24/03/2018

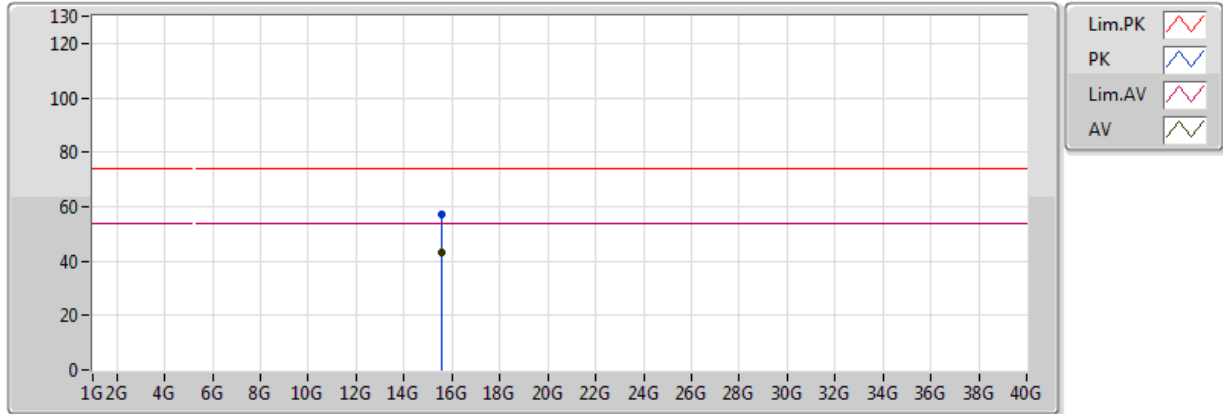


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1472G	53.48	54.00	-0.52	6.59	3	Horizontal	81	1.23	-	46.89	31.68	4.72	29.81
AV	5.1972G	102.79	Inf	-Inf	6.68	3	Horizontal	81	1.23	-	96.11	31.74	4.76	29.81
PK	5.1492G	71.91	74.00	-2.09	6.59	3	Horizontal	81	1.23	-	65.32	31.68	4.72	29.81
PK	5.1972G	112.53	Inf	-Inf	6.68	3	Horizontal	81	1.23	-	105.85	31.74	4.76	29.81

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

24/03/2018

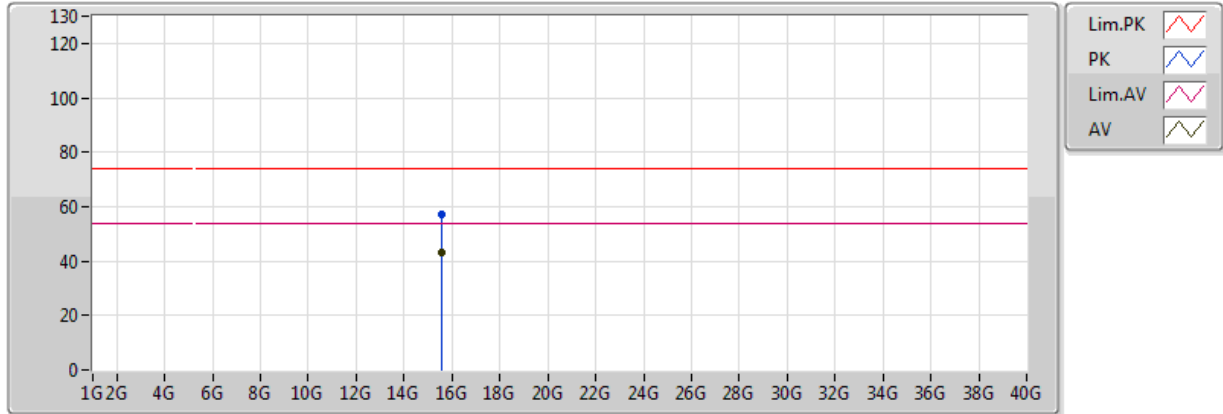


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.57507G	42.91	54.00	-11.09	15.81	3	Vertical	37	1.50	-	27.10	38.76	8.96	31.90
PK	15.57511G	57.12	74.00	-16.88	15.81	3	Vertical	37	1.50	-	41.31	38.76	8.96	31.90

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

24/03/2018

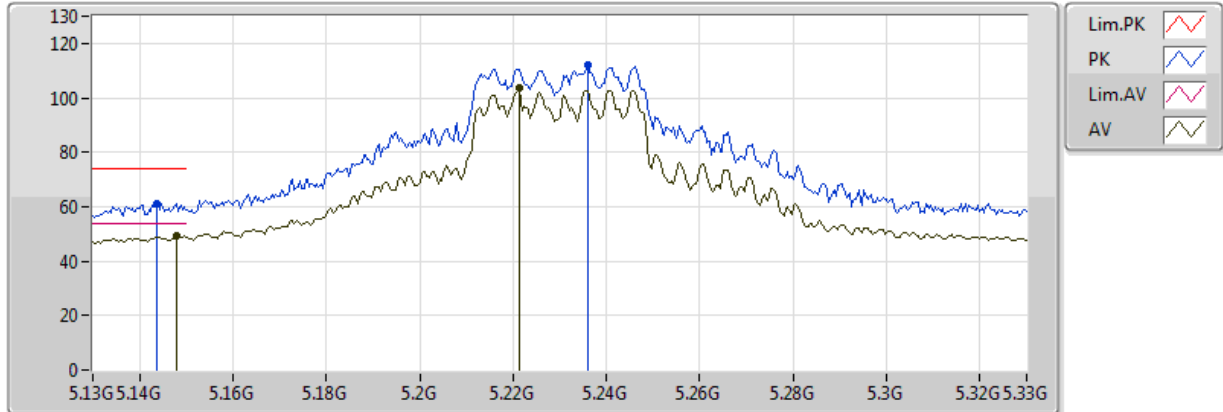


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.574072G	43.11	54.00	-10.89	15.81	3	Horizontal	38	1.50	-	27.30	38.76	8.95	31.90
PK	15.560499G	56.97	74.00	-17.03	15.86	3	Horizontal	38	1.50	-	41.11	38.81	8.94	31.90

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

24/03/2018

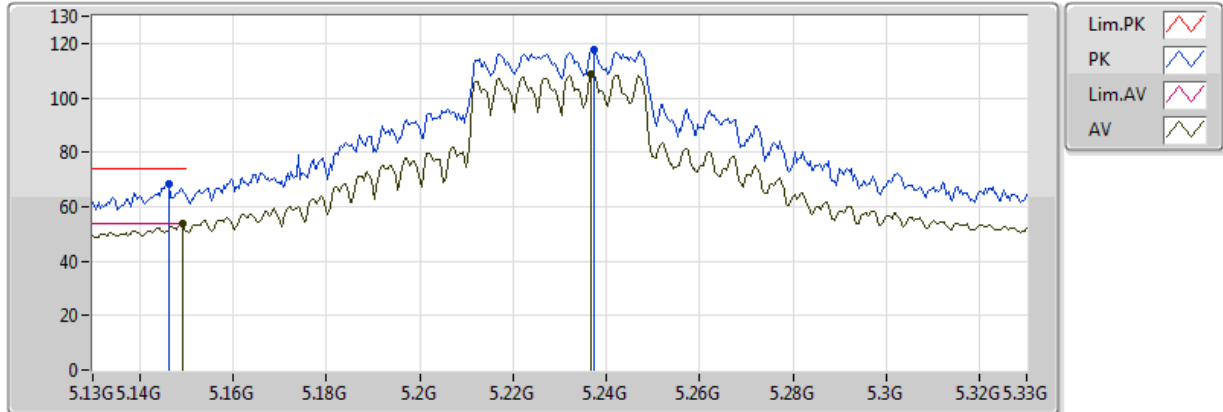


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.148G	49.29	54.00	-4.71	6.59	3	Vertical	335	1.49	-	42.70	31.68	4.72	29.81
AV	5.2212G	103.62	Inf	-Inf	6.73	3	Vertical	335	1.49	-	96.89	31.77	4.77	29.81
PK	5.1436G	61.29	74.00	-12.71	6.57	3	Vertical	335	1.49	-	54.72	31.67	4.71	29.81
PK	5.236G	111.83	Inf	-Inf	6.76	3	Vertical	335	1.49	-	105.07	31.78	4.79	29.81

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

24/03/2018

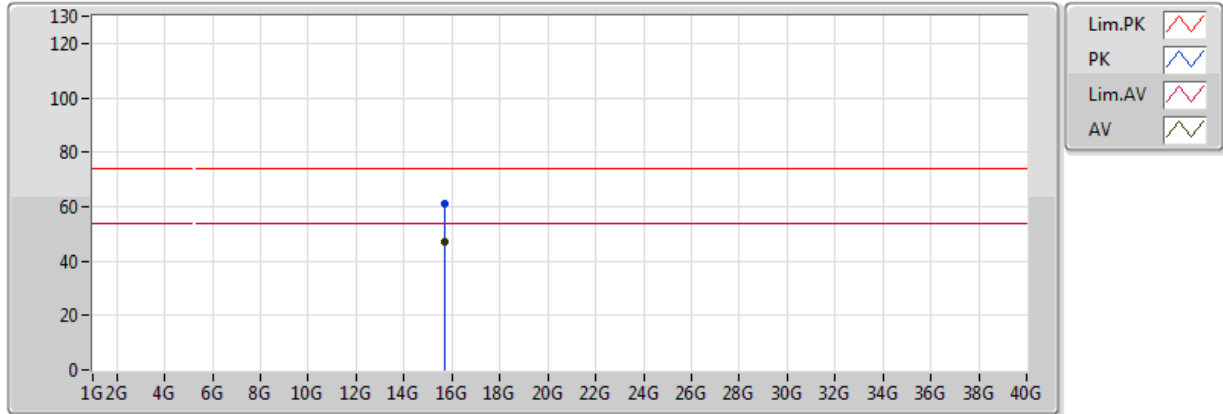


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1492G	53.75	54.00	-0.25	6.59	3	Horizontal	81	1.13	-	47.16	31.68	4.72	29.81
AV	5.2368G	108.54	Inf	-Inf	6.76	3	Horizontal	81	1.13	-	101.78	31.78	4.79	29.81
PK	5.1464G	68.39	74.00	-5.61	6.59	3	Horizontal	81	1.13	-	61.80	31.68	4.72	29.81
PK	5.2372G	117.87	Inf	-Inf	6.76	3	Horizontal	81	1.13	-	111.11	31.78	4.79	29.81

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

24/03/2018

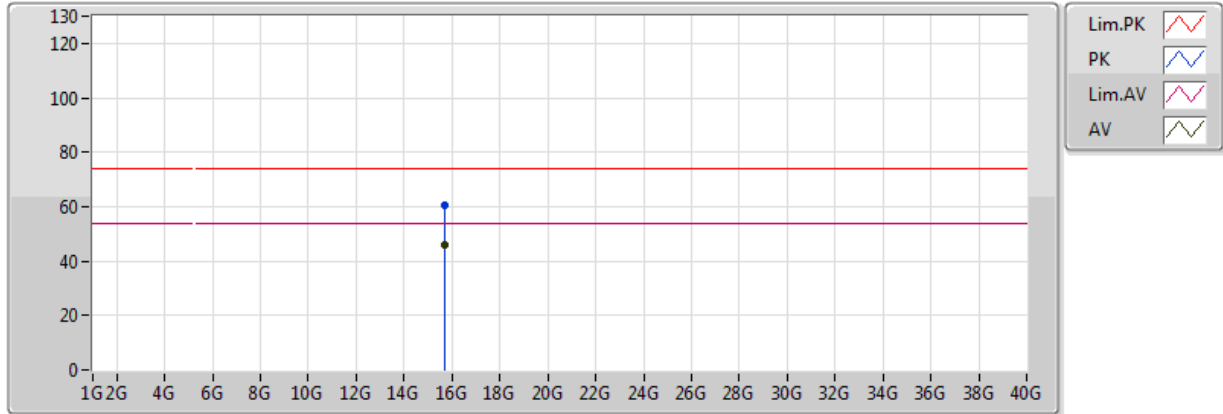


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.693633G	46.92	54.00	-7.08	15.40	3	Vertical	195	3.16	-	31.52	38.29	9.04	31.93
PK	15.688563G	61.22	74.00	-12.78	15.42	3	Vertical	195	3.16	-	45.80	38.31	9.04	31.93

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

24/03/2018

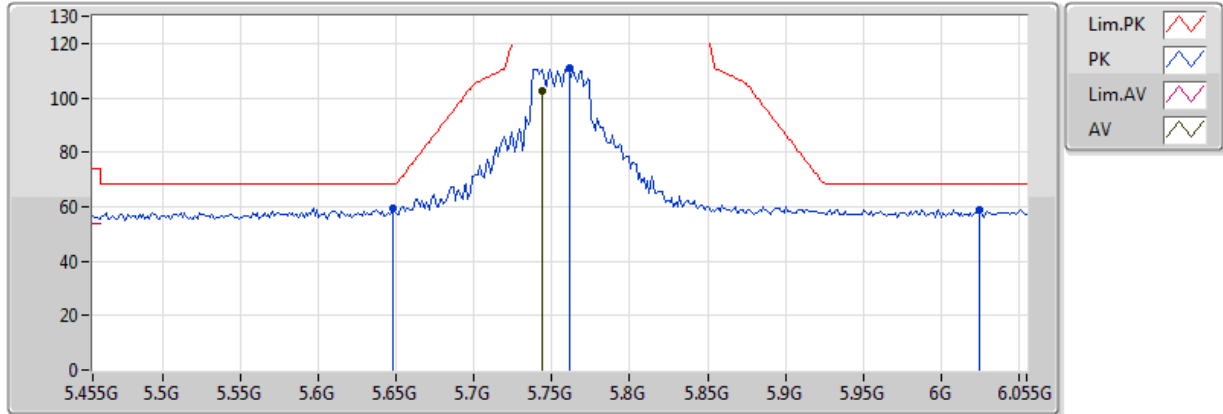


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.68976G	46.00	54.00	-8.00	15.42	3	Horizontal	58	1.81	-	30.58	38.31	9.04	31.93
PK	15.684431G	60.29	74.00	-13.71	15.44	3	Horizontal	58	1.81	-	44.85	38.33	9.04	31.93

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

24/03/2018

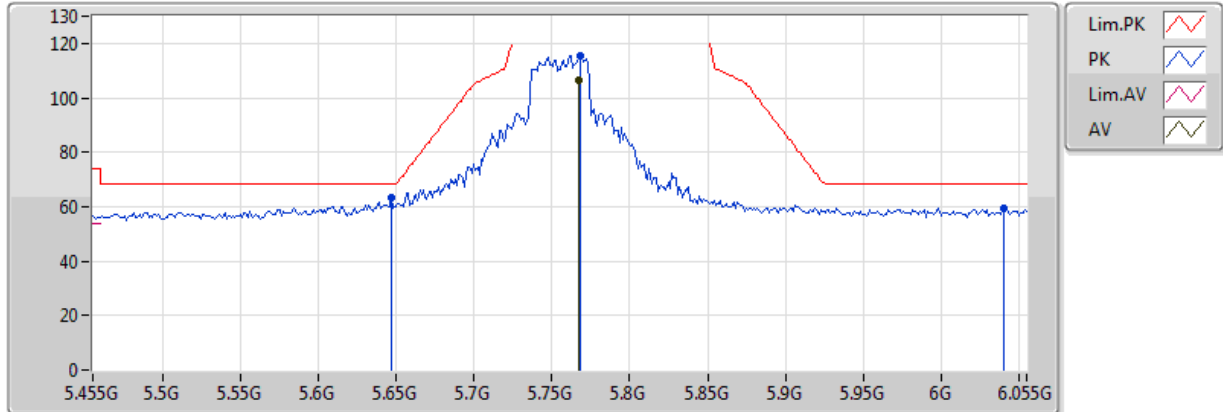


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7442G	102.48	Inf	-Inf	7.82	3	Vertical	265	2.09	-	94.66	32.39	5.30	29.87
PK	5.6482G	59.60	68.20	-8.60	7.61	3	Vertical	265	2.09	-	51.99	32.28	5.17	29.84
PK	5.761G	111.10	Inf	-Inf	7.86	3	Vertical	265	2.09	-	103.24	32.41	5.32	29.87
PK	6.025G	59.05	68.20	-9.15	8.47	3	Vertical	265	2.09	-	50.58	32.80	5.62	29.95

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

24/03/2018

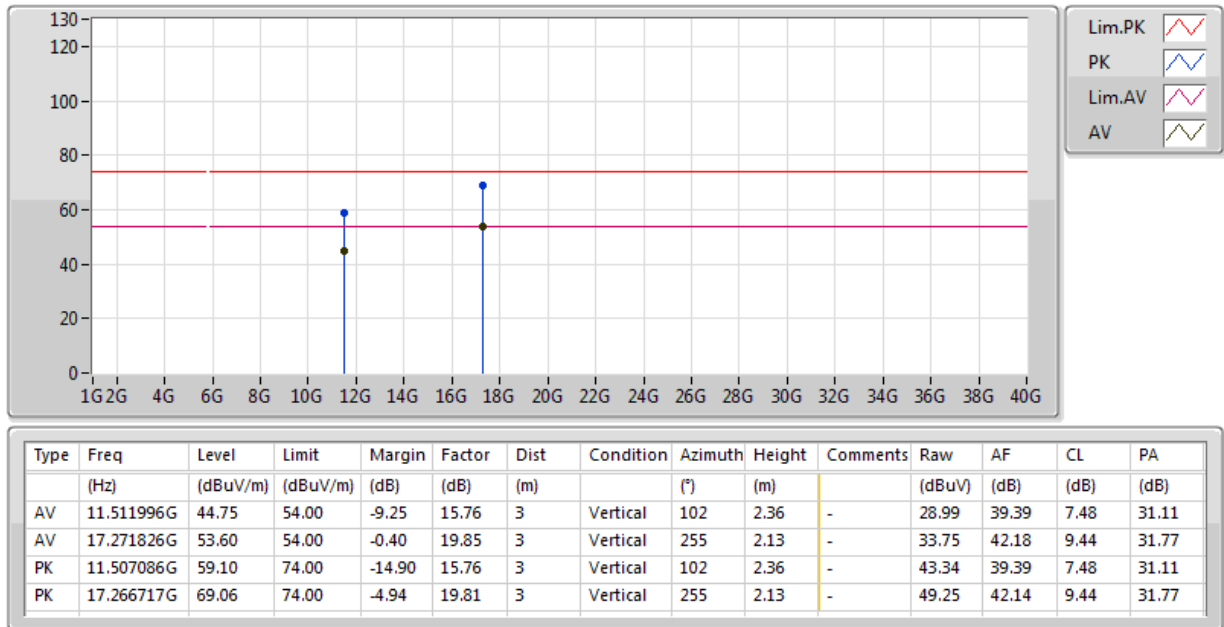


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.767G	106.53	Inf	-Inf	7.87	3	Horizontal	108	1.07	-	98.66	32.42	5.33	29.87
PK	5.647G	63.22	68.20	-4.98	7.61	3	Horizontal	108	1.07	-	55.61	32.28	5.17	29.84
PK	5.7682G	115.36	Inf	-Inf	7.88	3	Horizontal	108	1.07	-	107.48	32.42	5.33	29.87
PK	6.0406G	59.53	68.20	-8.67	8.51	3	Horizontal	108	1.07	-	51.02	32.85	5.62	29.96

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

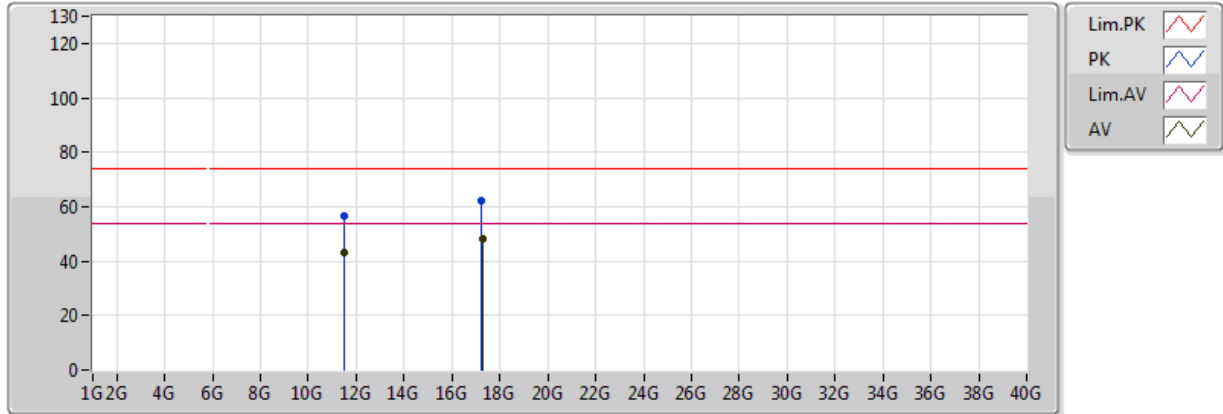
24/03/2018



802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

24/03/2018

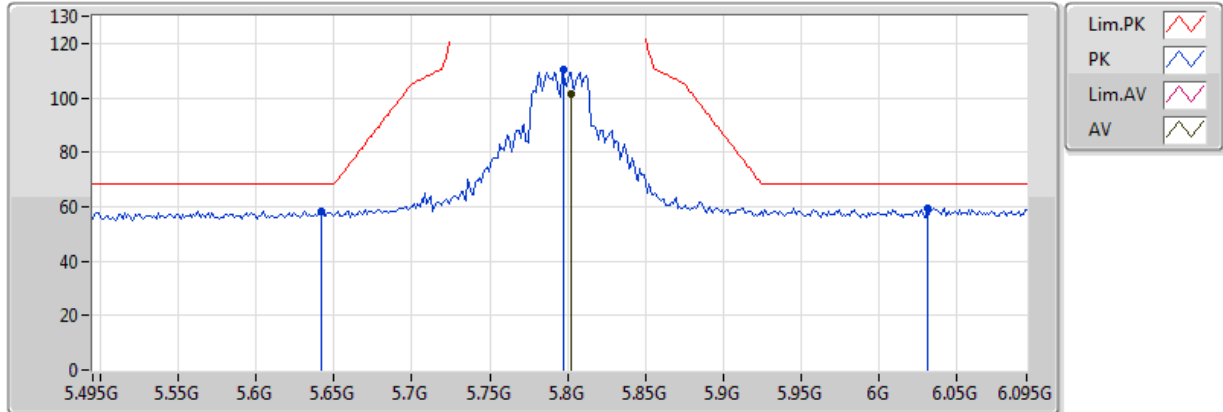


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.511916G	42.97	54.00	-11.03	15.76	3	Horizontal	32	2.03	-	27.21	39.39	7.48	31.11
AV	17.262764G	48.30	54.00	-5.70	19.77	3	Horizontal	24	1.87	-	28.53	42.11	9.43	31.77
PK	11.507725G	56.62	74.00	-17.38	15.76	3	Horizontal	32	2.03	-	40.86	39.39	7.48	31.11
PK	17.25502G	62.18	74.00	-11.82	19.71	3	Horizontal	24	1.87	-	42.47	42.06	9.43	31.77

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

24/03/2018

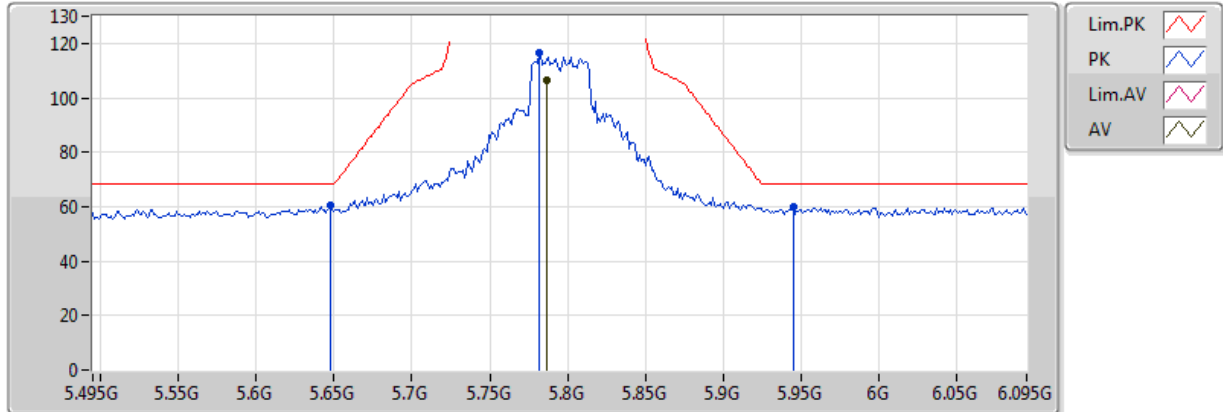


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8022G	101.39	Inf	-Inf	7.95	3	Vertical	326	1.00	-	93.44	32.46	5.37	29.88
PK	5.6414G	58.37	68.20	-9.83	7.59	3	Vertical	326	1.00	-	50.78	32.27	5.16	29.84
PK	5.7974G	110.16	Inf	-Inf	7.94	3	Vertical	326	1.00	-	102.22	32.46	5.37	29.88
PK	6.0314G	59.54	68.20	-8.66	8.48	3	Vertical	326	1.00	-	51.06	32.82	5.62	29.96

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

24/03/2018

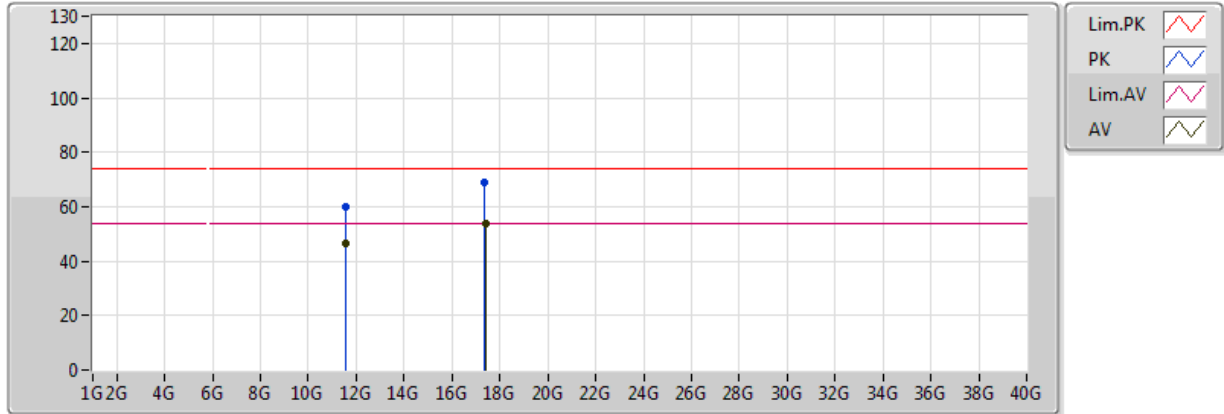


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7866G	106.22	Inf	-Inf	7.92	3	Horizontal	109	1.37	-	98.30	32.44	5.35	29.88
PK	5.6474G	60.52	68.20	-7.68	7.61	3	Horizontal	109	1.37	-	52.91	32.28	5.17	29.84
PK	5.7818G	116.43	Inf	-Inf	7.91	3	Horizontal	109	1.37	-	108.52	32.44	5.35	29.88
PK	5.945G	60.04	68.20	-8.16	8.27	3	Horizontal	109	1.37	-	51.77	32.63	5.56	29.92

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

11/04/2018

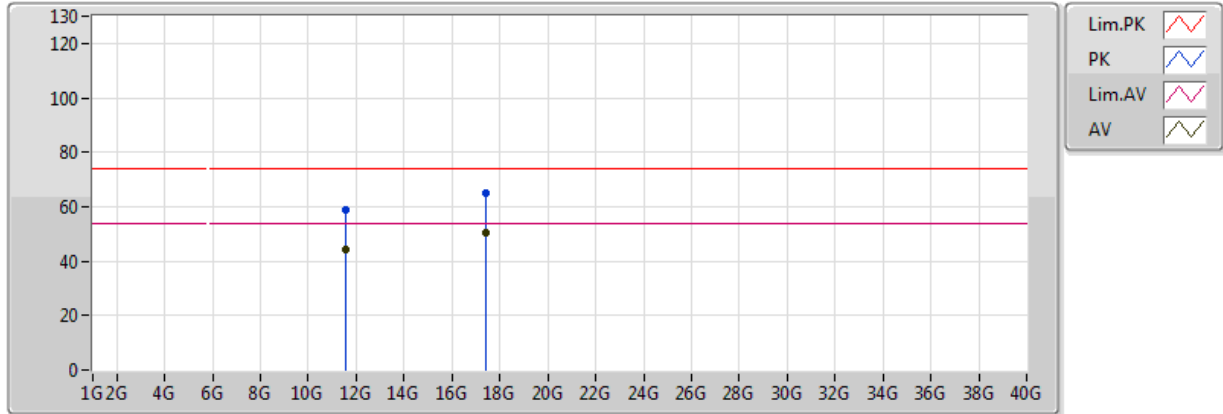


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.592275G	46.51	54.00	-7.49	15.70	3	Vertical	103	2.31	-	30.81	39.29	7.51	31.10
AV	17.390948G	53.86	54.00	-0.14	20.80	3	Vertical	28	1.91	-	33.06	43.00	9.53	31.73
PK	11.592156G	60.00	74.00	-14.00	15.70	3	Vertical	103	2.31	-	44.30	39.29	7.51	31.10
PK	17.380968G	68.99	74.00	-5.01	20.72	3	Vertical	28	1.91	-	48.27	42.93	9.52	31.73

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

24/03/2018

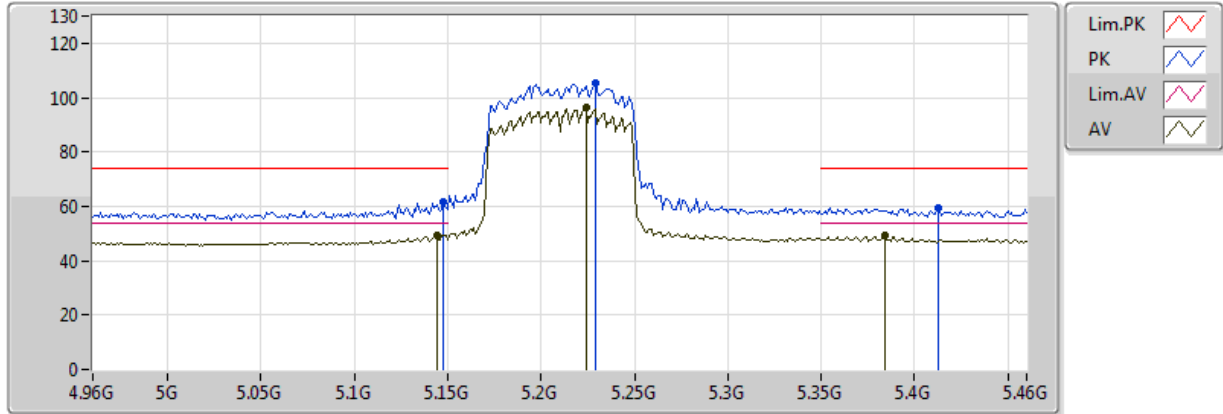


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.592196G	44.06	54.00	-9.94	15.70	3	Horizontal	191	2.00	-	28.36	39.29	7.51	31.10
AV	17.390669G	50.61	54.00	-3.39	20.80	3	Horizontal	25	1.01	-	29.81	43.00	9.53	31.73
PK	11.587325G	58.69	74.00	-15.31	15.70	3	Horizontal	191	2.00	-	42.99	39.30	7.50	31.10
PK	17.390749G	64.82	74.00	-9.18	20.80	3	Horizontal	25	1.01	-	44.02	43.00	9.53	31.73

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

24/03/2018

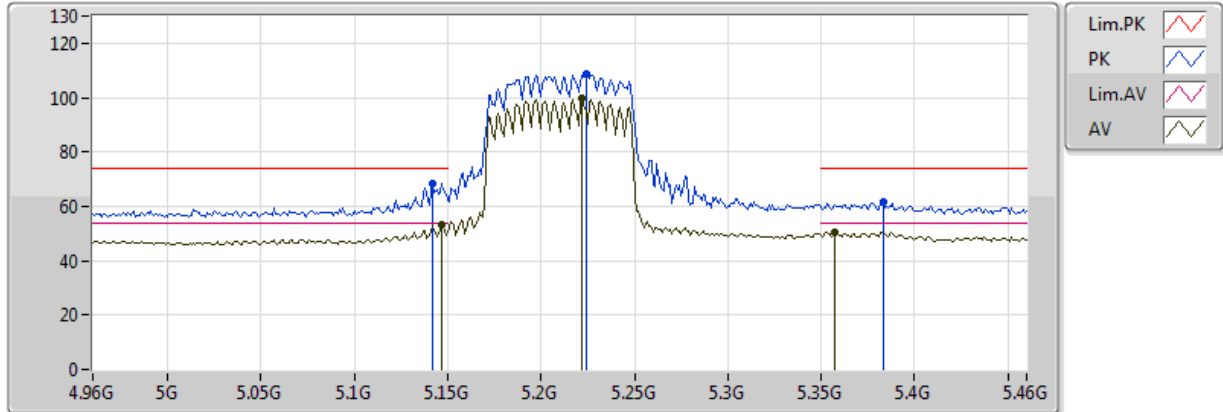


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.144G	49.38	54.00	-4.62	6.58	3	Vertical	16	2.59	-	42.80	31.67	4.72	29.81
AV	5.224G	96.10	Inf	-Inf	6.74	3	Vertical	16	2.59	-	89.36	31.77	4.78	29.81
AV	5.384G	49.11	54.00	-4.89	7.06	3	Vertical	16	2.59	-	42.05	31.96	4.90	29.80
PK	5.148G	61.81	74.00	-12.19	6.59	3	Vertical	16	2.59	-	55.22	31.68	4.72	29.81
PK	5.229G	105.13	Inf	-Inf	6.75	3	Vertical	16	2.59	-	98.38	31.77	4.78	29.81
PK	5.413G	59.47	74.00	-14.53	7.12	3	Vertical	16	2.59	-	52.35	32.00	4.92	29.80

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

24/03/2018

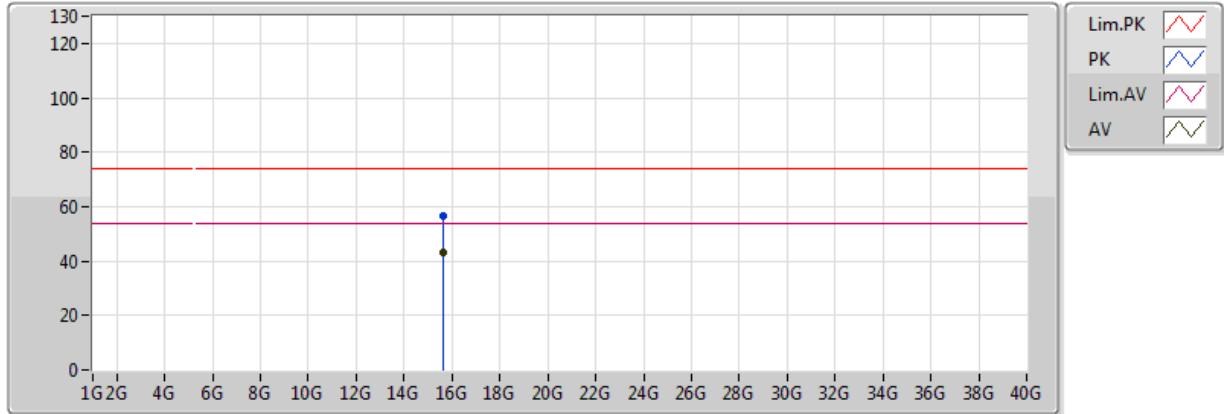


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.147G	53.37	54.00	-0.63	6.59	3	Horizontal	78	1.05	-	46.78	31.68	4.72	29.81
AV	5.222G	99.60	Inf	-Inf	6.73	3	Horizontal	78	1.05	-	92.87	31.77	4.78	29.81
AV	5.357G	50.57	54.00	-3.43	7.01	3	Horizontal	78	1.05	-	43.56	31.93	4.88	29.80
PK	5.142G	68.33	74.00	-5.67	6.57	3	Horizontal	78	1.05	-	61.76	31.67	4.71	29.81
PK	5.224G	108.61	Inf	-Inf	6.74	3	Horizontal	78	1.05	-	101.87	31.77	4.78	29.81
PK	5.383G	61.60	74.00	-12.40	7.06	3	Horizontal	78	1.05	-	54.54	31.96	4.90	29.80

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

24/03/2018

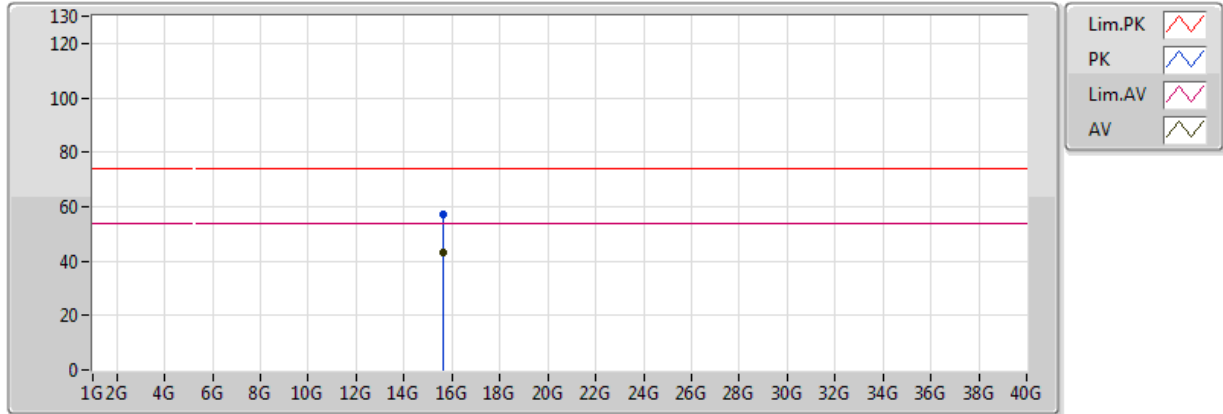


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.636028G	43.11	54.00	-10.89	15.60	3	Vertical	255	1.50	-	27.51	38.52	9.00	31.92
PK	15.632236G	56.84	74.00	-17.16	15.61	3	Vertical	255	1.50	-	41.23	38.53	9.00	31.92

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

24/03/2018

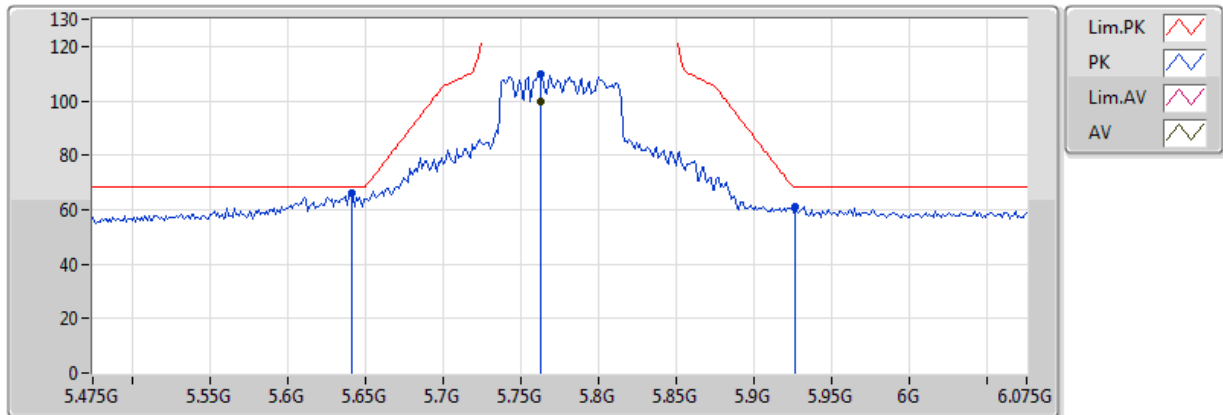


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.639062G	43.15	54.00	-10.85	15.59	3	Horizontal	323	1.51	-	27.56	38.51	9.00	31.92
PK	15.633872G	57.02	74.00	-16.98	15.61	3	Horizontal	323	1.51	-	41.41	38.53	9.00	31.92

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

24/03/2018

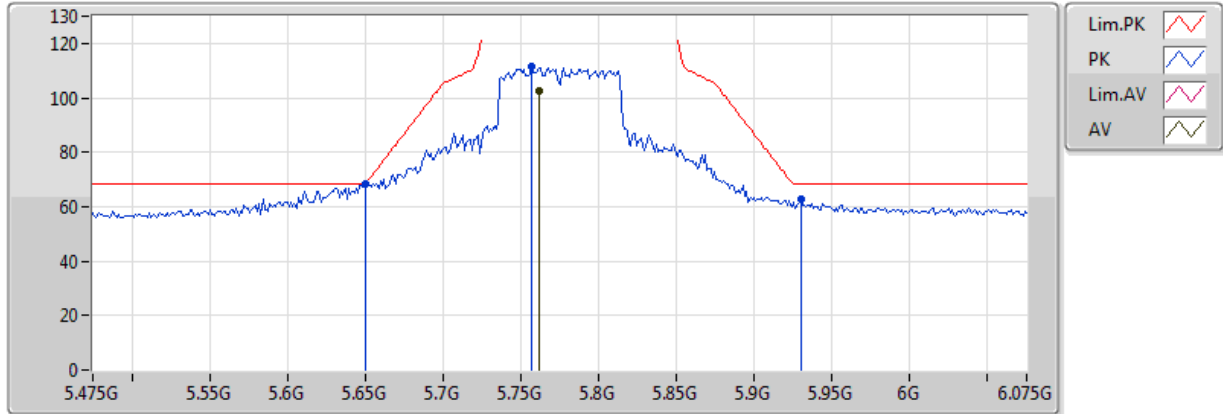


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.763G	99.84	Inf	-Inf	7.86	3	Vertical	265	2.30	-	91.98	32.42	5.32	29.87
PK	5.6418G	66.09	68.20	-2.11	7.59	3	Vertical	265	2.30	-	58.50	32.27	5.16	29.84
PK	5.763G	109.60	Inf	-Inf	7.86	3	Vertical	265	2.30	-	101.74	32.42	5.32	29.87
PK	5.9262G	61.24	68.20	-6.96	8.22	3	Vertical	265	2.30	-	53.02	32.61	5.53	29.92

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

24/03/2018

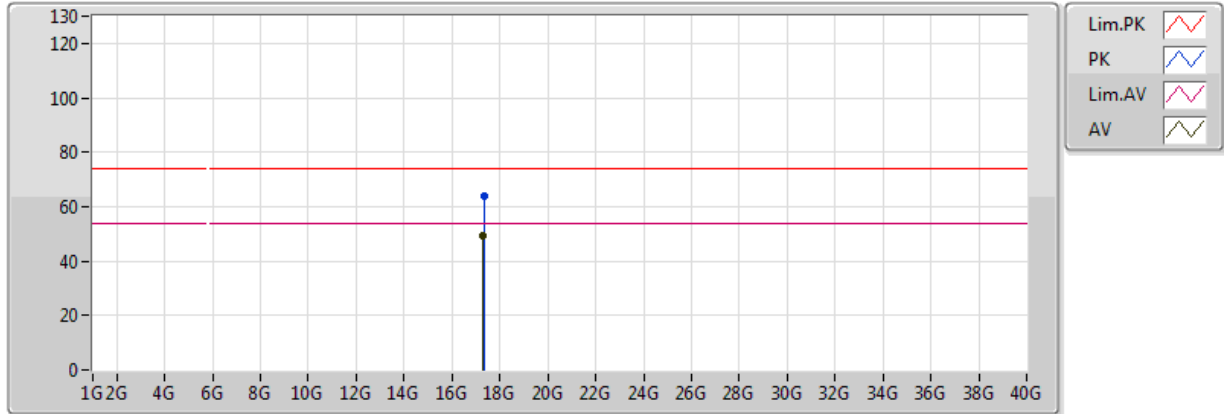


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7618G	102.54	Inf	-Inf	7.86	3	Horizontal	110	1.10	-	94.68	32.41	5.32	29.87
PK	5.6502G	68.12	68.35	-0.23	7.61	3	Horizontal	110	1.10	-	60.51	32.28	5.18	29.85
PK	5.757G	111.23	Inf	-Inf	7.85	3	Horizontal	110	1.10	-	103.38	32.41	5.31	29.87
PK	5.9298G	62.85	68.20	-5.35	8.24	3	Horizontal	110	1.10	-	54.61	32.62	5.54	29.92

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

24/03/2018

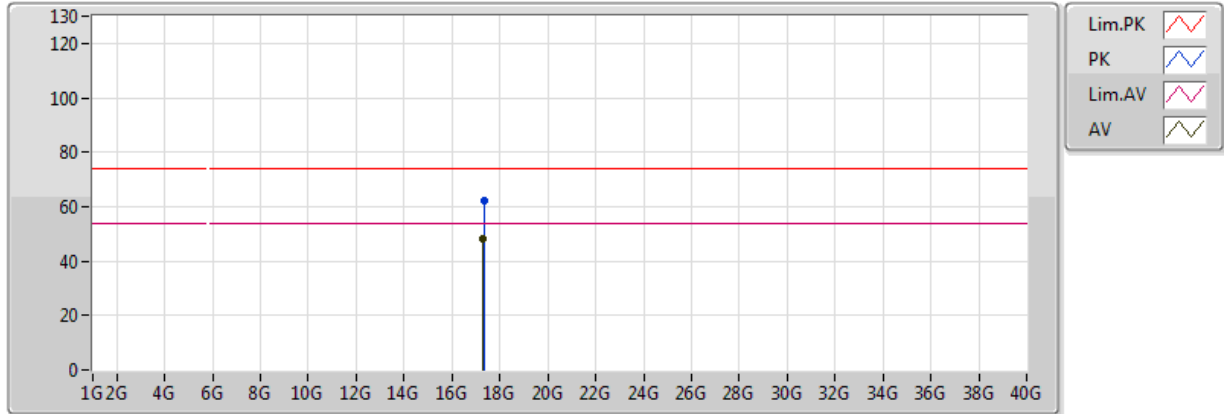


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	17.318413G	49.28	54.00	-4.72	20.22	3	Vertical	29	1.93	-	29.06	42.50	9.48	31.75
PK	17.323204G	63.76	74.00	-10.24	20.26	3	Vertical	29	1.93	-	43.50	42.53	9.48	31.75

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

24/03/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	17.318014G	48.19	54.00	-5.81	20.22	3	Horizontal	45	1.01	-	27.97	42.49	9.47	31.75
PK	17.333703G	61.97	74.00	-12.03	20.34	3	Horizontal	45	1.01	-	41.63	42.60	9.49	31.75

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	15.61447G	53.88	54.00	-0.12	15.67	3	Vertical	251	1.16	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	AV	5.149995G	53.81	54.00	-0.19	6.59	3	Horizontal	83	1.01	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	AV	5.149995G	53.14	54.00	-0.86	6.59	3	Horizontal	86	1.11	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	PK	17.4674G	68.07	68.20	-0.13	21.41	3	Vertical	276	1.90	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	PK	17.3871G	67.95	68.20	-0.25	20.77	3	Vertical	320	1.86	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	PK	5.6502G	68.20	68.35	-0.15	7.61	3	Horizontal	78	1.02	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1484G	53.13	54.00	-0.87	6.59	3	Horizontal	102	1.01	-
5180MHz	Pass	AV	5.1852G	109.14	Inf	-Inf	6.66	3	Horizontal	102	1.01	-
5180MHz	Pass	PK	5.1486G	73.78	74.00	-0.22	6.59	3	Horizontal	102	1.01	-
5180MHz	Pass	PK	5.184G	118.08	Inf	-Inf	6.66	3	Horizontal	102	1.01	-
5180MHz	Pass	AV	5.1496G	48.89	54.00	-5.11	6.59	3	Vertical	188	1.51	-
5180MHz	Pass	AV	5.183G	102.37	Inf	-Inf	6.66	3	Vertical	188	1.51	-
5180MHz	Pass	PK	5.1486G	65.53	74.00	-8.47	6.59	3	Vertical	188	1.51	-
5180MHz	Pass	PK	5.184G	111.40	Inf	-Inf	6.66	3	Vertical	188	1.51	-
5180MHz	Pass	AV	10.3633G	47.56	54.00	-6.44	15.31	3	Horizontal	102	1.39	-
5180MHz	Pass	AV	15.54018G	45.43	54.00	-8.57	15.93	3	Horizontal	360	1.50	-
5180MHz	Pass	PK	10.34776G	59.73	74.00	-14.27	15.29	3	Horizontal	102	1.39	-
5180MHz	Pass	PK	15.55458G	57.19	74.00	-16.81	15.88	3	Horizontal	360	1.50	-
5180MHz	Pass	AV	10.3568G	51.61	54.00	-2.39	15.30	3	Vertical	196	2.10	-
5180MHz	Pass	AV	15.54462G	45.98	54.00	-8.02	15.91	3	Vertical	103	1.13	-
5180MHz	Pass	PK	10.36492G	65.31	74.00	-8.69	15.31	3	Vertical	196	2.10	-
5180MHz	Pass	PK	15.5457G	61.29	74.00	-12.71	15.91	3	Vertical	103	1.13	-
5200MHz	Pass	AV	5.149995G	53.37	54.00	-0.63	6.59	3	Horizontal	104	1.45	-
5200MHz	Pass	AV	5.2084G	113.49	Inf	-Inf	6.71	3	Horizontal	104	1.45	-
5200MHz	Pass	PK	5.1424G	68.98	74.00	-5.02	6.57	3	Horizontal	104	1.45	-
5200MHz	Pass	PK	5.2072G	120.99	Inf	-Inf	6.70	3	Horizontal	104	1.45	-
5200MHz	Pass	AV	5.1496G	49.08	54.00	-4.92	6.59	3	Vertical	195	2.20	-
5200MHz	Pass	AV	5.1916G	106.85	Inf	-Inf	6.67	3	Vertical	195	2.20	-
5200MHz	Pass	PK	5.149995G	64.00	74.00	-10.00	6.59	3	Vertical	195	2.20	-
5200MHz	Pass	PK	5.2028G	116.14	Inf	-Inf	6.70	3	Vertical	195	2.20	-
5200MHz	Pass	AV	10.3982G	49.84	54.00	-4.16	15.35	3	Horizontal	162	1.78	-
5200MHz	Pass	AV	15.59106G	48.09	54.00	-5.91	15.75	3	Horizontal	356	1.85	-
5200MHz	Pass	PK	10.40522G	61.18	74.00	-12.82	15.36	3	Horizontal	162	1.78	-
5200MHz	Pass	PK	15.58674G	63.32	74.00	-10.68	15.77	3	Horizontal	356	1.85	-
5200MHz	Pass	AV	10.40174G	51.76	54.00	-2.24	15.36	3	Vertical	12	2.14	-
5200MHz	Pass	AV	15.61447G	53.88	54.00	-0.12	15.67	3	Vertical	251	1.16	-
5200MHz	Pass	PK	10.40636G	65.23	74.00	-8.77	15.36	3	Vertical	12	2.14	-
5200MHz	Pass	PK	15.61447G	71.02	74.00	-2.98	15.67	3	Vertical	251	1.16	-
5240MHz	Pass	AV	5.149995G	50.28	54.00	-3.72	6.59	3	Horizontal	83	1.01	-
5240MHz	Pass	AV	5.2436G	114.56	Inf	-Inf	6.78	3	Horizontal	83	1.01	-
5240MHz	Pass	AV	5.350005G	51.73	54.00	-2.27	6.99	3	Horizontal	83	1.01	-
5240MHz	Pass	PK	5.1098G	61.72	74.00	-12.28	6.51	3	Horizontal	83	1.01	-
5240MHz	Pass	PK	5.243G	122.86	Inf	-Inf	6.78	3	Horizontal	83	1.01	-
5240MHz	Pass	PK	5.351G	63.36	74.00	-10.64	6.99	3	Horizontal	83	1.01	-
5240MHz	Pass	AV	5.149995G	48.70	54.00	-5.30	6.59	3	Vertical	189	1.19	-
5240MHz	Pass	AV	5.2322G	111.13	Inf	-Inf	6.75	3	Vertical	189	1.19	-
5240MHz	Pass	AV	5.3564G	49.05	54.00	-4.95	7.01	3	Vertical	189	1.19	-
5240MHz	Pass	PK	5.1416G	60.02	74.00	-13.98	6.57	3	Vertical	189	1.19	-
5240MHz	Pass	PK	5.2334G	118.96	Inf	-Inf	6.76	3	Vertical	189	1.19	-
5240MHz	Pass	PK	5.3636G	60.46	74.00	-13.54	7.02	3	Vertical	189	1.19	-
5240MHz	Pass	AV	10.48078G	47.69	54.00	-6.31	15.46	3	Horizontal	161	1.40	-
5240MHz	Pass	AV	15.7239G	47.09	54.00	-6.91	15.30	3	Horizontal	157	1.69	-
5240MHz	Pass	PK	10.48174G	59.71	74.00	-14.29	15.46	3	Horizontal	161	1.40	-



RSE TX above 1GHz Result – Beamforming

Appendix E.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	PK	15.7173G	62.34	74.00	-11.66	15.32	3	Horizontal	157	1.69	-
5240MHz	Pass	AV	10.48006G	50.75	54.00	-3.25	15.46	3	Vertical	69	1.92	-
5240MHz	Pass	AV	15.7164G	53.88	54.00	-0.12	15.33	3	Vertical	142	2.23	-
5240MHz	Pass	PK	10.48762G	63.79	74.00	-10.21	15.47	3	Vertical	69	1.92	-
5240MHz	Pass	PK	15.7159G	67.51	74.00	-6.49	15.33	3	Vertical	142	2.23	-
5745MHz	Pass	AV	5.7486G	110.57	Inf	-Inf	7.83	3	Horizontal	83	1.31	-
5745MHz	Pass	PK	5.5818G	60.52	68.20	-7.68	7.47	3	Horizontal	83	1.31	-
5745MHz	Pass	PK	5.751G	118.49	Inf	-Inf	7.84	3	Horizontal	83	1.31	-
5745MHz	Pass	PK	5.985G	61.43	68.20	-6.77	8.35	3	Horizontal	83	1.31	-
5745MHz	Pass	AV	5.7486G	107.56	Inf	-Inf	7.83	3	Vertical	83	1.19	-
5745MHz	Pass	PK	5.6466G	62.19	68.20	-6.01	7.61	3	Vertical	83	1.19	-
5745MHz	Pass	PK	5.7486G	115.77	Inf	-Inf	7.83	3	Vertical	83	1.19	-
5745MHz	Pass	PK	5.9334G	60.13	68.20	-8.07	8.24	3	Vertical	83	1.19	-
5745MHz	Pass	AV	11.49G	46.01	54.00	-7.99	15.77	3	Horizontal	186	1.29	-
5745MHz	Pass	AV	17.2388G	50.91	54.00	-3.09	19.58	3	Horizontal	22	1.83	-
5745MHz	Pass	PK	11.4881G	57.66	74.00	-16.34	15.77	3	Horizontal	186	1.29	-
5745MHz	Pass	PK	17.24G	63.82	74.00	-10.18	19.59	3	Horizontal	22	1.83	-
5745MHz	Pass	AV	11.4903G	48.35	54.00	-5.65	15.77	3	Vertical	96	2.41	-
5745MHz	Pass	PK	11.4905G	59.85	74.00	-14.15	15.77	3	Vertical	96	2.41	-
5745MHz	Pass	PK	17.2341G	67.92	68.20	-0.28	19.55	3	Vertical	27	1.91	-
5785MHz	Pass	AV	5.791G	109.70	Inf	-Inf	7.93	3	Horizontal	82	1.14	-
5785MHz	Pass	PK	5.551G	60.71	68.20	-7.49	7.39	3	Horizontal	82	1.14	-
5785MHz	Pass	PK	5.7898G	118.18	Inf	-Inf	7.93	3	Horizontal	82	1.14	-
5785MHz	Pass	PK	5.941G	61.13	68.20	-7.07	8.26	3	Horizontal	82	1.14	-
5785MHz	Pass	AV	5.7898G	107.32	Inf	-Inf	7.93	3	Vertical	192	1.48	-
5785MHz	Pass	PK	5.6038G	59.93	68.20	-8.27	7.50	3	Vertical	192	1.48	-
5785MHz	Pass	PK	5.791G	115.47	Inf	-Inf	7.93	3	Vertical	192	1.48	-
5785MHz	Pass	PK	5.9722G	60.37	68.20	-7.83	8.33	3	Vertical	192	1.48	-
5785MHz	Pass	AV	11.5776G	44.51	54.00	-9.49	15.71	3	Horizontal	192	2.25	-
5785MHz	Pass	AV	17.3592G	49.91	54.00	-4.09	20.55	3	Horizontal	335	1.88	-
5785MHz	Pass	PK	11.5788G	56.05	74.00	-17.95	15.71	3	Horizontal	192	2.25	-
5785MHz	Pass	PK	17.3516G	62.15	74.00	-11.85	20.49	3	Horizontal	335	1.88	-
5785MHz	Pass	AV	11.5823G	46.23	54.00	-7.77	15.70	3	Vertical	197	1.87	-
5785MHz	Pass	AV	17.3494G	53.59	54.00	-0.41	20.47	3	Vertical	275	1.87	-
5785MHz	Pass	PK	11.5813G	58.98	74.00	-15.02	15.70	3	Vertical	197	1.87	-
5785MHz	Pass	PK	17.3487G	69.09	74.00	-4.91	20.46	3	Vertical	275	1.87	-
5825MHz	Pass	AV	5.8214G	114.37	Inf	-Inf	8.00	3	Horizontal	81	2.13	-
5825MHz	Pass	PK	5.6486G	62.77	68.20	-5.43	7.61	3	Horizontal	81	2.13	-
5825MHz	Pass	PK	5.8238G	124.41	Inf	-Inf	8.00	3	Horizontal	81	2.13	-
5825MHz	Pass	PK	5.9318G	65.89	68.20	-2.31	8.24	3	Horizontal	81	2.13	-
5825MHz	Pass	AV	5.8226G	106.66	Inf	-Inf	8.00	3	Vertical	190	1.90	-
5825MHz	Pass	PK	5.5898G	59.72	68.20	-8.48	7.48	3	Vertical	190	1.90	-
5825MHz	Pass	PK	5.8226G	114.99	Inf	-Inf	8.00	3	Vertical	190	1.90	-
5825MHz	Pass	PK	5.9822G	60.64	68.20	-7.56	8.36	3	Vertical	190	1.90	-
5825MHz	Pass	AV	11.6469G	45.55	54.00	-8.45	15.65	3	Horizontal	187	1.13	-
5825MHz	Pass	AV	17.48149G	51.98	54.00	-2.02	21.53	3	Horizontal	0	1.13	-
5825MHz	Pass	PK	11.6474G	57.69	74.00	-16.31	15.65	3	Horizontal	187	1.13	-
5825MHz	Pass	PK	17.48229G	63.56	74.00	-10.44	21.53	3	Horizontal	66	1.13	-
5825MHz	Pass	AV	11.6503G	51.05	54.00	-2.95	15.65	3	Vertical	98	2.99	-



RSE TX above 1GHz Result – Beamforming

Appendix E.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	PK	11.6501G	63.51	74.00	-10.49	15.65	3	Vertical	98	2.99	-
5825MHz	Pass	PK	17.4674G	68.07	68.20	-0.13	21.41	3	Vertical	276	1.90	-
802.11ac VHT40_Nss1(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.149995G	53.59	54.00	-0.41	6.59	3	Horizontal	103	2.05	-
5190MHz	Pass	AV	5.1972G	101.41	Inf	-Inf	6.68	3	Horizontal	103	2.05	-
5190MHz	Pass	PK	5.1492G	69.89	74.00	-4.11	6.59	3	Horizontal	103	2.05	-
5190MHz	Pass	PK	5.1756G	111.20	Inf	-Inf	6.64	3	Horizontal	103	2.05	-
5190MHz	Pass	AV	5.1476G	48.69	54.00	-5.31	6.59	3	Vertical	189	1.65	-
5190MHz	Pass	AV	5.1964G	96.40	Inf	-Inf	6.68	3	Vertical	189	1.65	-
5190MHz	Pass	PK	5.1464G	60.54	74.00	-13.46	6.59	3	Vertical	189	1.65	-
5190MHz	Pass	PK	5.1944G	104.95	Inf	-Inf	6.68	3	Vertical	189	1.65	-
5190MHz	Pass	AV	10.373G	45.71	54.00	-8.29	15.32	3	Horizontal	159	2.04	-
5190MHz	Pass	PK	10.3731G	58.71	74.00	-15.29	15.32	3	Horizontal	159	2.04	-
5190MHz	Pass	AV	10.3661G	47.08	54.00	-6.92	15.31	3	Vertical	52	2.04	-
5190MHz	Pass	PK	10.364G	61.09	74.00	-12.91	15.31	3	Vertical	52	2.04	-
5230MHz	Pass	AV	5.149995G	53.81	54.00	-0.19	6.59	3	Horizontal	83	1.01	-
5230MHz	Pass	AV	5.2404G	111.30	Inf	-Inf	6.77	3	Horizontal	83	1.01	-
5230MHz	Pass	PK	5.149995G	69.30	74.00	-4.70	6.59	3	Horizontal	83	1.01	-
5230MHz	Pass	PK	5.2408G	120.24	Inf	-Inf	6.77	3	Horizontal	83	1.01	-
5230MHz	Pass	AV	5.1476G	50.59	54.00	-3.41	6.59	3	Vertical	189	1.30	-
5230MHz	Pass	AV	5.236G	103.95	Inf	-Inf	6.76	3	Vertical	189	1.30	-
5230MHz	Pass	PK	5.148G	63.83	74.00	-10.17	6.59	3	Vertical	189	1.30	-
5230MHz	Pass	PK	5.2264G	112.62	Inf	-Inf	6.74	3	Vertical	189	1.30	-
5230MHz	Pass	AV	10.44463G	46.89	54.00	-7.11	15.41	3	Horizontal	193	1.50	-
5230MHz	Pass	AV	15.7122G	46.07	54.00	-7.93	15.34	3	Horizontal	157	1.50	-
5230MHz	Pass	PK	10.46519G	57.64	74.00	-16.36	15.44	3	Horizontal	193	1.50	-
5230MHz	Pass	PK	15.7141G	58.75	74.00	-15.25	15.33	3	Horizontal	157	1.50	-
5230MHz	Pass	AV	10.44373G	48.53	54.00	-5.47	15.41	3	Vertical	354	1.90	-
5230MHz	Pass	AV	15.6939G	49.90	54.00	-4.10	15.40	3	Vertical	101	2.01	-
5230MHz	Pass	PK	10.46439G	62.84	74.00	-11.16	15.44	3	Vertical	304	1.90	-
5230MHz	Pass	PK	15.6821G	63.77	74.00	-10.23	15.44	3	Vertical	101	2.01	-
5755MHz	Pass	AV	5.761G	109.24	Inf	-Inf	7.86	3	Horizontal	107	1.49	-
5755MHz	Pass	PK	5.6518G	69.08	69.53	-0.45	7.61	3	Horizontal	107	1.49	-
5755MHz	Pass	PK	5.761G	116.64	Inf	-Inf	7.86	3	Horizontal	107	1.49	-
5755MHz	Pass	PK	5.953G	60.78	68.20	-7.42	8.28	3	Horizontal	107	1.49	-
5755MHz	Pass	AV	5.7586G	103.22	Inf	-Inf	7.85	3	Vertical	210	2.15	-
5755MHz	Pass	PK	5.6494G	60.28	68.20	-7.92	7.61	3	Vertical	210	2.15	-
5755MHz	Pass	PK	5.7598G	111.36	Inf	-Inf	7.86	3	Vertical	210	2.15	-
5755MHz	Pass	PK	5.9662G	60.03	68.20	-8.17	8.32	3	Vertical	210	2.15	-
5755MHz	Pass	AV	11.4899G	44.24	54.00	-9.76	15.77	3	Horizontal	187	1.29	-
5755MHz	Pass	AV	17.2665G	51.17	54.00	-2.83	19.80	3	Horizontal	27	1.80	-
5755MHz	Pass	PK	11.4968G	56.06	74.00	-17.94	15.77	3	Horizontal	187	1.29	-
5755MHz	Pass	PK	17.2647G	63.17	74.00	-10.83	19.79	3	Horizontal	27	1.80	-
5755MHz	Pass	AV	11.5006G	47.36	54.00	-6.64	15.76	3	Vertical	101	2.32	-
5755MHz	Pass	AV	17.2642G	50.41	54.00	-3.59	19.79	3	Vertical	9	1.50	-
5755MHz	Pass	PK	11.51G	60.70	74.00	-13.30	15.76	3	Vertical	101	2.32	-
5755MHz	Pass	PK	17.2573G	62.92	74.00	-11.08	19.73	3	Vertical	9	1.50	-
5795MHz	Pass	AV	5.801G	109.68	Inf	-Inf	7.95	3	Horizontal	82	1.17	-
5795MHz	Pass	PK	5.6378G	67.75	68.20	-0.45	7.59	3	Horizontal	82	1.17	-



RSE TX above 1GHz Result – Beamforming

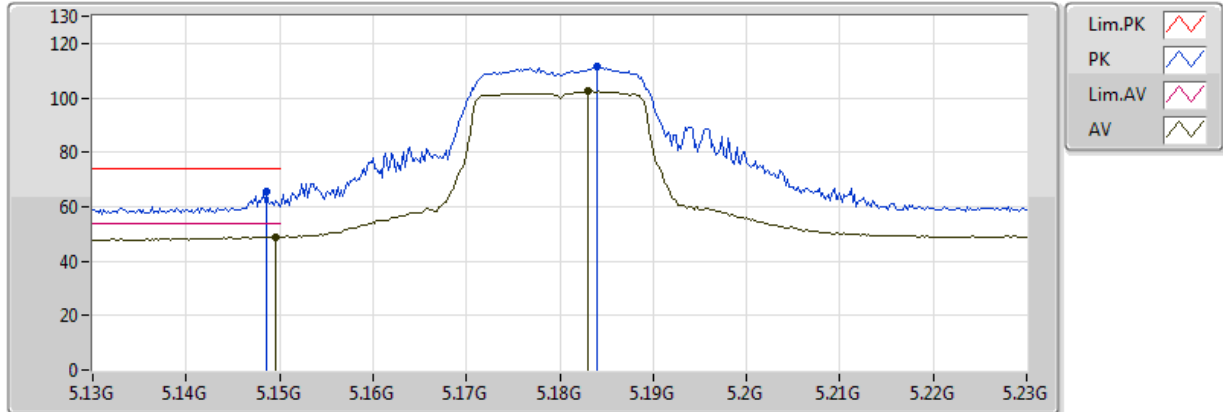
Appendix E.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5795MHz	Pass	PK	5.7926G	120.79	Inf	-Inf	7.93	3	Horizontal	82	1.17	-
5795MHz	Pass	PK	5.927G	64.79	68.20	-3.41	8.23	3	Horizontal	82	1.17	-
5795MHz	Pass	AV	5.8106G	103.04	Inf	-Inf	7.97	3	Vertical	219	2.35	-
5795MHz	Pass	PK	5.5994G	60.49	68.20	-7.71	7.50	3	Vertical	219	2.35	-
5795MHz	Pass	PK	5.8118G	112.77	Inf	-Inf	7.98	3	Vertical	219	2.35	-
5795MHz	Pass	PK	5.927G	61.60	68.20	-6.60	8.23	3	Vertical	219	2.35	-
5795MHz	Pass	AV	11.598G	44.62	54.00	-9.38	15.69	3	Horizontal	186	1.14	-
5795MHz	Pass	AV	17.39957G	52.27	54.00	-1.73	20.87	3	Horizontal	15	1.83	-
5795MHz	Pass	PK	11.5912G	56.93	74.00	-17.07	15.70	3	Horizontal	186	1.14	-
5795MHz	Pass	PK	17.3868G	64.17	74.00	-9.83	20.77	3	Horizontal	15	1.83	-
5795MHz	Pass	AV	11.5905G	48.65	54.00	-5.35	15.70	3	Vertical	96	2.99	-
5795MHz	Pass	PK	11.5904G	61.72	74.00	-12.28	15.70	3	Vertical	96	2.99	-
5795MHz	Pass	PK	17.3871G	67.95	68.20	-0.25	20.77	3	Vertical	320	1.86	-
802.11ac VHT80_Nss1(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149995G	53.14	54.00	-0.86	6.59	3	Horizontal	86	1.11	-
5210MHz	Pass	AV	5.221G	103.07	Inf	-Inf	6.73	3	Horizontal	86	1.11	-
5210MHz	Pass	AV	5.381G	52.37	54.00	-1.63	7.05	3	Horizontal	86	1.11	-
5210MHz	Pass	PK	5.147G	71.73	74.00	-2.27	6.59	3	Horizontal	86	1.11	-
5210MHz	Pass	PK	5.221G	111.92	Inf	-Inf	6.73	3	Horizontal	86	1.11	-
5210MHz	Pass	PK	5.377G	63.46	74.00	-10.54	7.04	3	Horizontal	86	1.11	-
5210MHz	Pass	AV	5.149G	49.78	54.00	-4.22	6.59	3	Vertical	267	2.20	-
5210MHz	Pass	AV	5.228G	99.36	Inf	-Inf	6.75	3	Vertical	267	2.20	-
5210MHz	Pass	AV	5.388G	49.01	54.00	-4.99	7.07	3	Vertical	267	2.20	-
5210MHz	Pass	PK	5.149995G	66.99	74.00	-7.01	6.59	3	Vertical	267	2.20	-
5210MHz	Pass	PK	5.228G	107.53	Inf	-Inf	6.75	3	Vertical	267	2.20	-
5210MHz	Pass	PK	5.369G	59.73	74.00	-14.27	7.03	3	Vertical	267	2.20	-
5210MHz	Pass	AV	10.41601G	44.34	54.00	-9.66	15.37	3	Horizontal	20	1.50	-
5210MHz	Pass	PK	10.41431G	56.06	74.00	-17.94	15.37	3	Horizontal	132	1.50	-
5210MHz	Pass	AV	10.39645G	44.26	54.00	-9.74	15.35	3	Vertical	294	1.50	-
5210MHz	Pass	PK	10.42609G	56.14	74.00	-17.86	15.39	3	Vertical	246	1.50	-
5775MHz	Pass	AV	5.7522G	104.48	Inf	-Inf	7.84	3	Horizontal	78	1.02	-
5775MHz	Pass	PK	5.6502G	68.20	68.35	-0.15	7.61	3	Horizontal	78	1.02	-
5775MHz	Pass	PK	5.751G	117.03	Inf	-Inf	7.84	3	Horizontal	78	1.02	-
5775MHz	Pass	PK	5.925G	62.96	68.20	-5.24	8.22	3	Horizontal	78	1.02	-
5775MHz	Pass	AV	5.7498G	94.58	Inf	-Inf	7.83	3	Vertical	19	2.64	-
5775MHz	Pass	PK	5.643G	60.69	68.20	-7.51	7.60	3	Vertical	19	2.64	-
5775MHz	Pass	PK	5.7402G	101.41	Inf	-Inf	7.81	3	Vertical	19	2.64	-
5775MHz	Pass	PK	5.9598G	60.62	68.20	-7.58	8.30	3	Vertical	19	2.64	-
5775MHz	Pass	AV	11.5697G	42.56	54.00	-11.44	15.71	3	Horizontal	27	1.38	-
5775MHz	Pass	PK	11.5401G	54.20	74.00	-19.80	15.73	3	Horizontal	27	1.38	-
5775MHz	Pass	AV	11.565G	42.76	54.00	-11.24	15.72	3	Vertical	116	1.22	-
5775MHz	Pass	PK	11.5263G	55.16	74.00	-18.84	15.75	3	Vertical	116	1.22	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_BF

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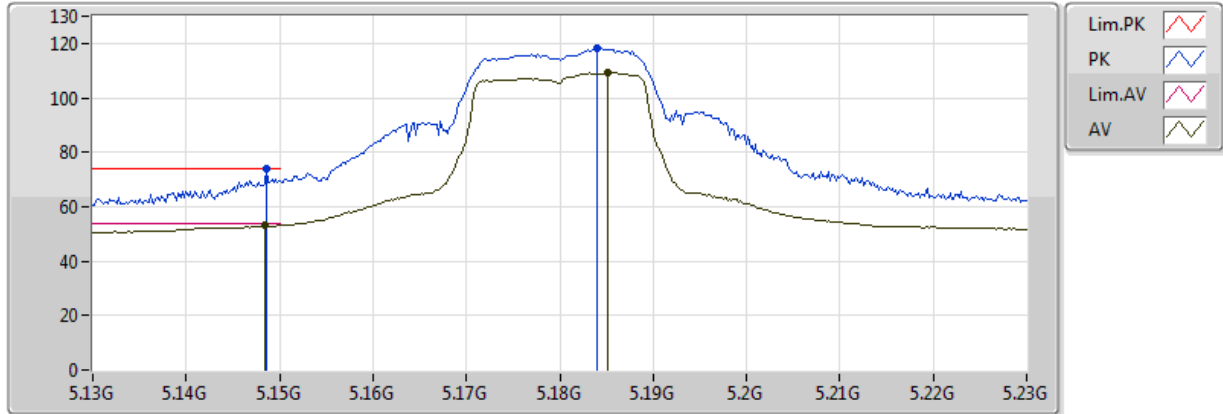


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1496G	48.89	54.00	-5.11	6.59	3	Vertical	188	1.51	-	42.30	31.68	4.72	29.81
AV	5.183G	102.37	Inf	-Inf	6.66	3	Vertical	188	1.51	-	95.71	31.72	4.75	29.81
PK	5.1486G	65.53	74.00	-8.47	6.59	3	Vertical	188	1.51	-	58.94	31.68	4.72	29.81
PK	5.184G	111.40	Inf	-Inf	6.66	3	Vertical	188	1.51	-	104.74	31.72	4.75	29.81

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_BF

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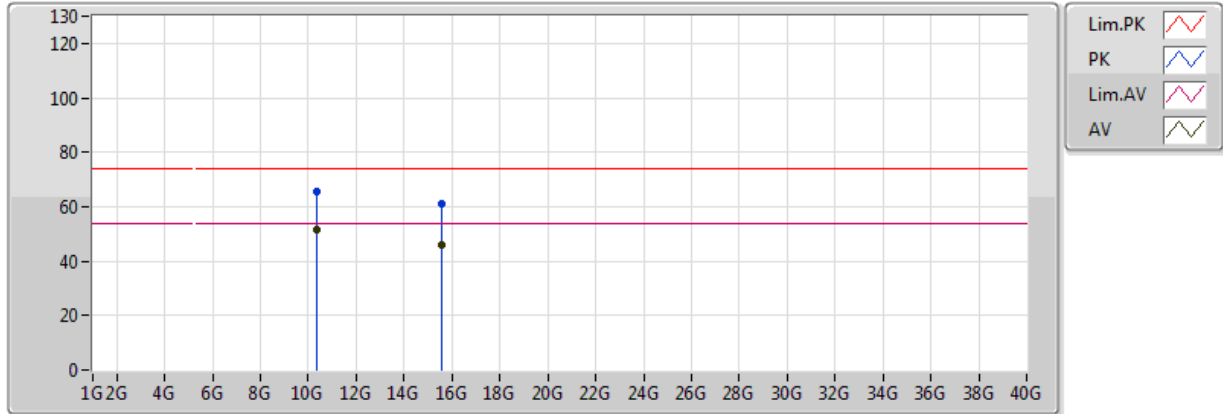


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1484G	53.13	54.00	-0.87	6.59	3	Horizontal	102	1.01	-	46.54	31.68	4.72	29.81
AV	5.1852G	109.14	Inf	-Inf	6.66	3	Horizontal	102	1.01	-	102.48	31.72	4.75	29.81
PK	5.1486G	73.78	74.00	-0.22	6.59	3	Horizontal	102	1.01	-	67.19	31.68	4.72	29.81
PK	5.184G	118.08	Inf	-Inf	6.66	3	Horizontal	102	1.01	-	111.42	31.72	4.75	29.81

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_BF

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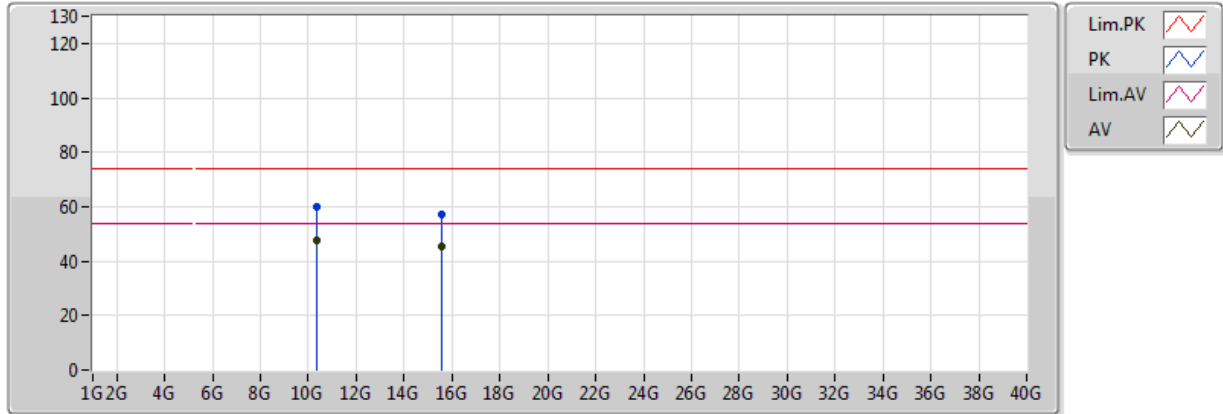


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.3568G	51.61	54.00	-2.39	15.30	3	Vertical	196	2.10	-	36.31	39.16	7.16	31.03
AV	15.54462G	45.98	54.00	-8.02	15.91	3	Vertical	103	1.13	-	30.07	38.88	8.93	31.90
PK	10.36492G	65.31	74.00	-8.69	15.31	3	Vertical	196	2.10	-	50.00	39.17	7.16	31.03
PK	15.5457G	61.29	74.00	-12.71	15.91	3	Vertical	103	1.13	-	45.38	38.87	8.93	31.90

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_BF

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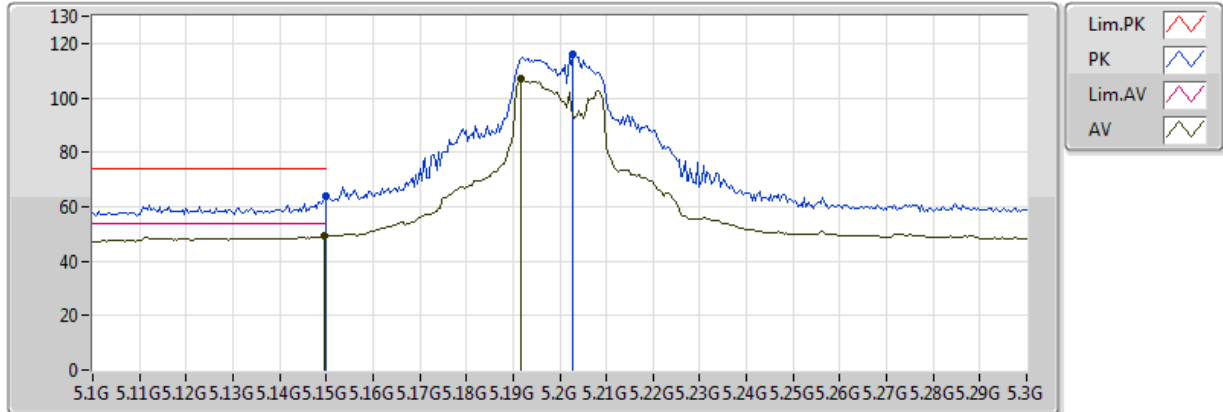


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.3633G	47.56	54.00	-6.44	15.31	3	Horizontal	102	1.39	-	32.25	39.17	7.16	31.03
AV	15.54018G	45.43	54.00	-8.57	15.93	3	Horizontal	360	1.50	-	29.50	38.89	8.93	31.90
PK	10.34776G	59.73	74.00	-14.27	15.29	3	Horizontal	102	1.39	-	44.44	39.15	7.16	31.03
PK	15.55458G	57.19	74.00	-16.81	15.88	3	Horizontal	360	1.50	-	41.31	38.84	8.94	31.90

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_BF

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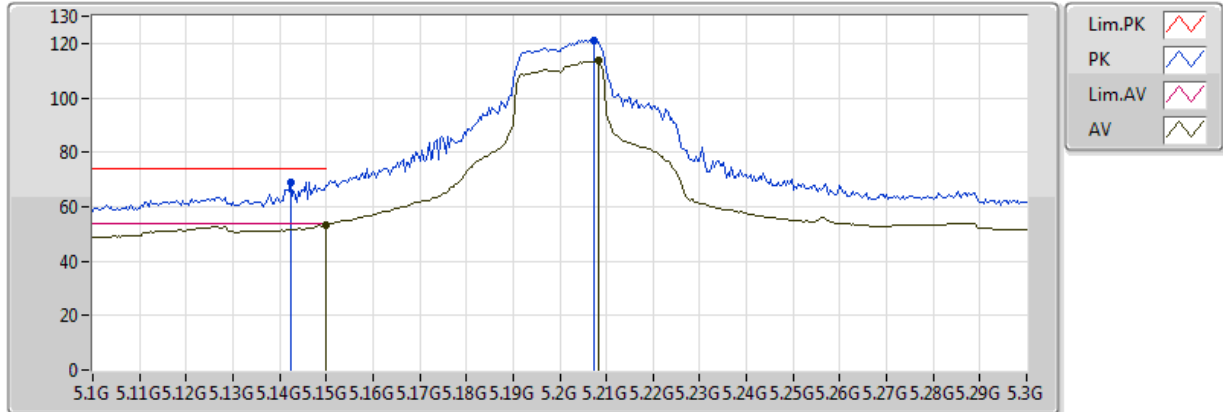


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1496G	49.08	54.00	-4.92	6.59	3	Vertical	195	2.20	-	42.49	31.68	4.72	29.81
AV	5.1916G	106.85	Inf	-Inf	6.67	3	Vertical	195	2.20	-	100.18	31.73	4.75	29.81
PK	5.149995G	64.00	74.00	-10.00	6.59	3	Vertical	195	2.20	-	57.41	31.68	4.72	29.81
PK	5.2028G	116.14	Inf	-Inf	6.70	3	Vertical	195	2.20	-	109.44	31.74	4.76	29.81

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_BF

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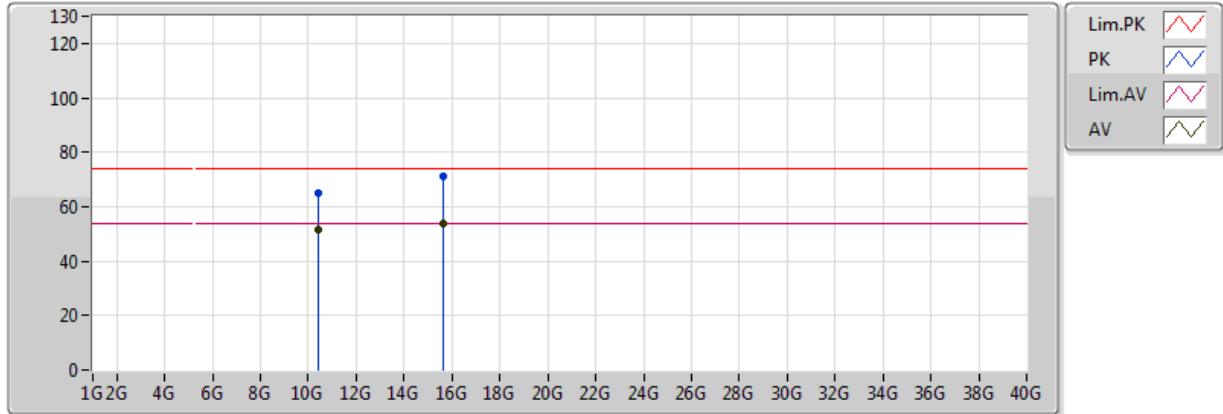


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	53.37	54.00	-0.63	6.59	3	Horizontal	104	1.45	-	46.78	31.68	4.72	29.81
AV	5.2084G	113.49	Inf	-Inf	6.71	3	Horizontal	104	1.45	-	106.78	31.75	4.77	29.81
PK	5.1424G	68.98	74.00	-5.02	6.57	3	Horizontal	104	1.45	-	62.41	31.67	4.71	29.81
PK	5.2072G	120.99	Inf	-Inf	6.70	3	Horizontal	104	1.45	-	114.29	31.75	4.77	29.81

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_BF

24/03/2018

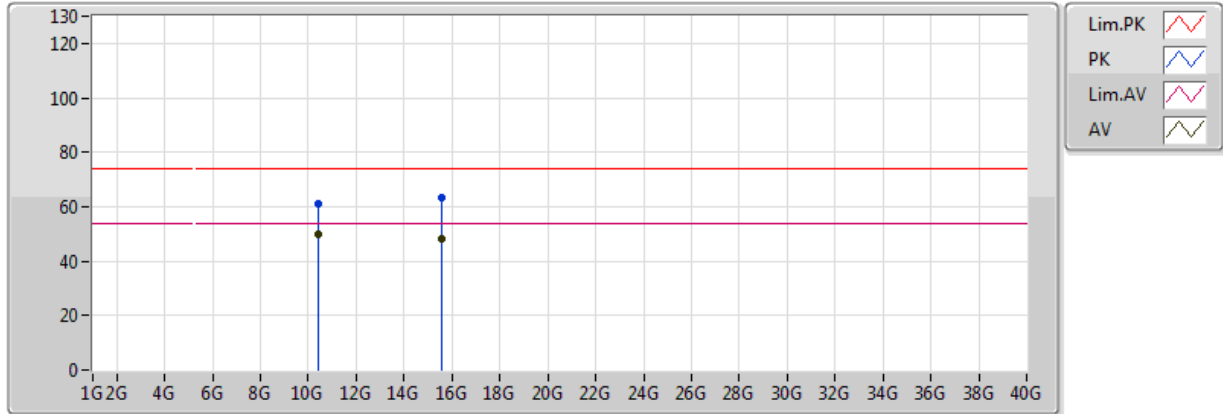


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.40174G	51.76	54.00	-2.24	15.36	3	Vertical	12	2.14	-	36.40	39.22	7.17	31.04
AV	15.61447G	53.88	54.00	-0.12	15.67	3	Vertical	251	1.16	-	38.21	38.60	8.98	31.91
PK	10.40636G	65.23	74.00	-8.77	15.36	3	Vertical	12	2.14	-	49.87	39.23	7.17	31.04
PK	15.61447G	71.02	74.00	-2.98	15.67	3	Vertical	251	1.16	-	55.35	38.60	8.98	31.91

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_BF

24/03/2018

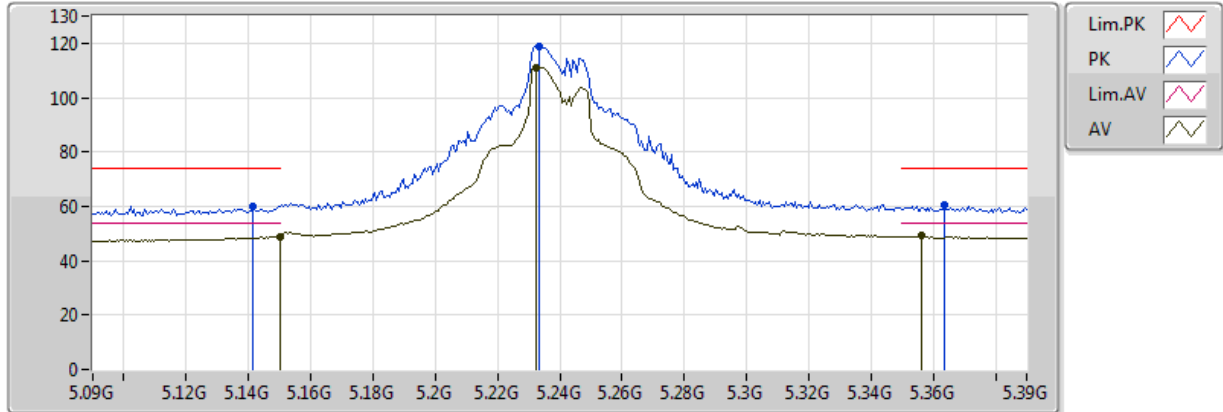


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.3982G	49.84	54.00	-4.16	15.35	3	Horizontal	162	1.78	-	34.49	39.22	7.17	31.04
AV	15.59106G	48.09	54.00	-5.91	15.75	3	Horizontal	356	1.85	-	32.34	38.69	8.97	31.91
PK	10.40522G	61.18	74.00	-12.82	15.36	3	Horizontal	162	1.78	-	45.82	39.23	7.17	31.04
PK	15.58674G	63.32	74.00	-10.68	15.77	3	Horizontal	356	1.85	-	47.55	38.71	8.96	31.91

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_BF

24/03/2018

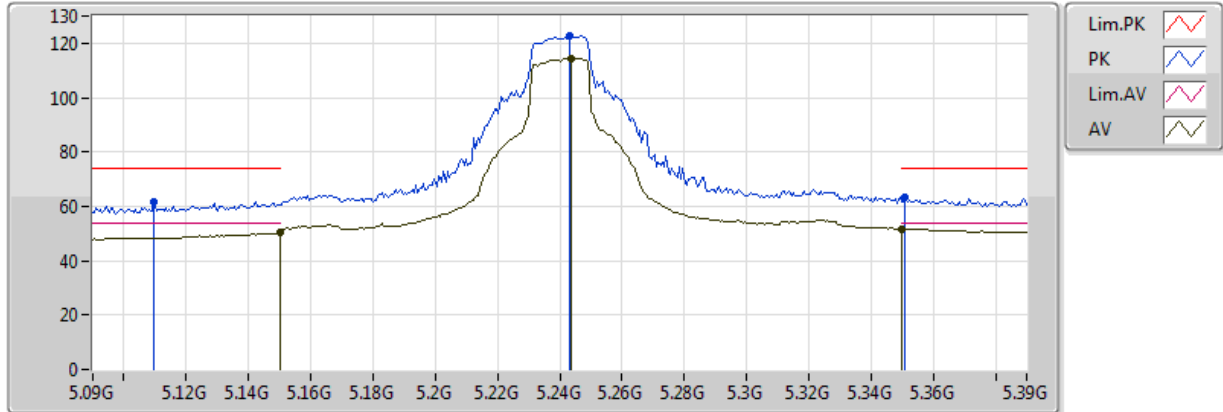


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	48.70	54.00	-5.30	6.59	3	Vertical	189	1.19	-	42.11	31.68	4.72	29.81
AV	5.2322G	111.13	Inf	-Inf	6.75	3	Vertical	189	1.19	-	104.38	31.78	4.78	29.81
AV	5.3564G	49.05	54.00	-4.95	7.01	3	Vertical	189	1.19	-	42.04	31.93	4.88	29.80
PK	5.1416G	60.02	74.00	-13.98	6.57	3	Vertical	189	1.19	-	53.45	31.67	4.71	29.81
PK	5.2334G	118.96	Inf	-Inf	6.76	3	Vertical	189	1.19	-	112.20	31.78	4.78	29.81
PK	5.3636G	60.46	74.00	-13.54	7.02	3	Vertical	189	1.19	-	53.44	31.94	4.88	29.80

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_BF

24/03/2018

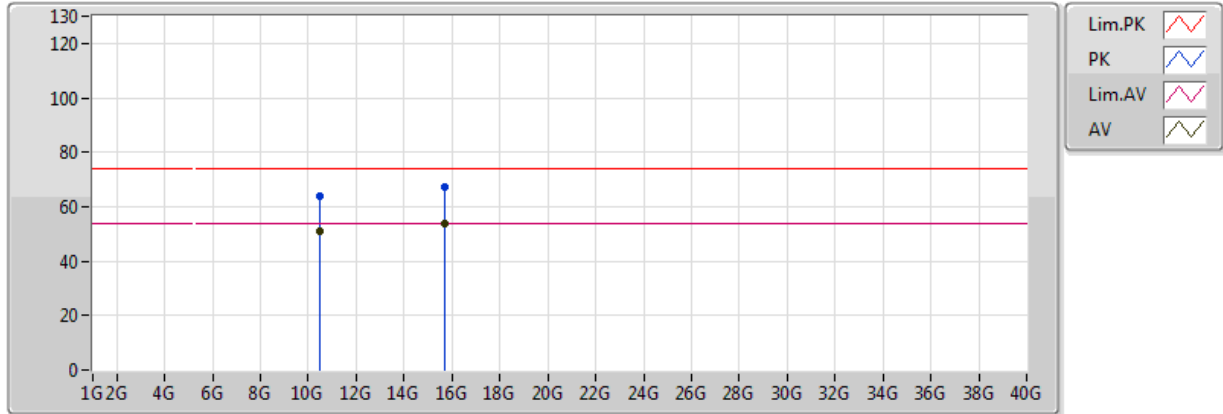


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	50.28	54.00	-3.72	6.59	3	Horizontal	83	1.01	-	43.69	31.68	4.72	29.81
AV	5.2436G	114.56	Inf	-Inf	6.78	3	Horizontal	83	1.01	-	107.78	31.79	4.79	29.81
AV	5.350005G	51.73	54.00	-2.27	6.99	3	Horizontal	83	1.01	-	44.74	31.92	4.87	29.80
PK	5.1098G	61.72	74.00	-12.28	6.51	3	Horizontal	83	1.01	-	55.21	31.63	4.69	29.81
PK	5.243G	122.86	Inf	-Inf	6.78	3	Horizontal	83	1.01	-	116.08	31.79	4.79	29.81
PK	5.351G	63.36	74.00	-10.64	6.99	3	Horizontal	83	1.01	-	56.37	31.92	4.87	29.80

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_BF

24/03/2018

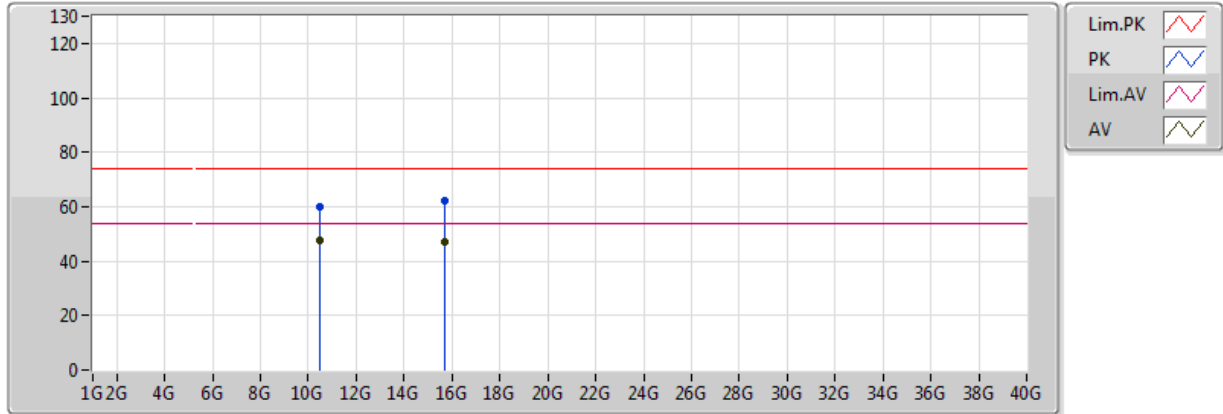


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.48006G	50.75	54.00	-3.25	15.46	3	Vertical	69	1.92	-	35.29	39.32	7.19	31.06
AV	15.7164G	53.88	54.00	-0.12	15.33	3	Vertical	142	2.23	-	38.55	38.21	9.06	31.94
PK	10.48762G	63.79	74.00	-10.21	15.47	3	Vertical	69	1.92	-	48.32	39.33	7.19	31.06
PK	15.7159G	67.51	74.00	-6.49	15.33	3	Vertical	142	2.23	-	52.18	38.21	9.06	31.94

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_BF

24/03/2018

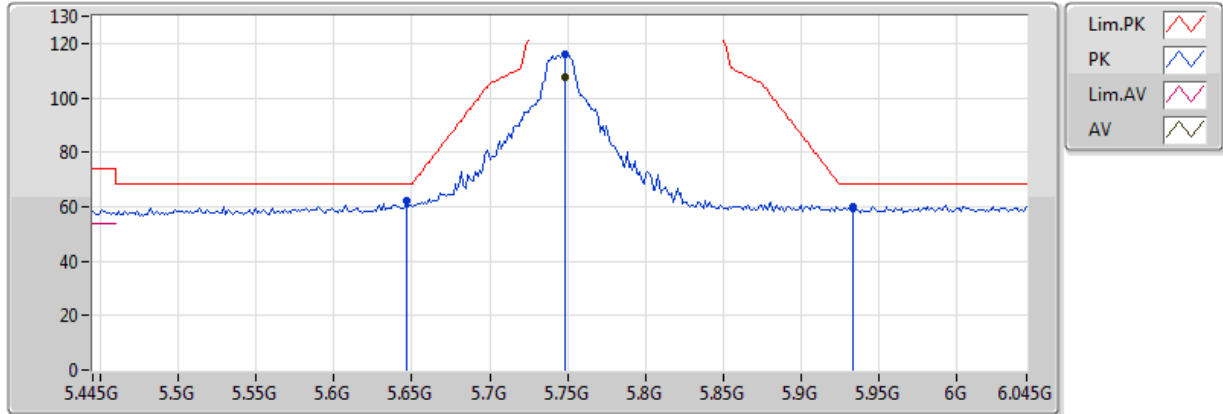


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.48078G	47.69	54.00	-6.31	15.46	3	Horizontal	161	1.40	-	32.23	39.33	7.19	31.06
AV	15.7239G	47.09	54.00	-6.91	15.30	3	Horizontal	157	1.69	-	31.79	38.18	9.07	31.94
PK	10.48174G	59.71	74.00	-14.29	15.46	3	Horizontal	161	1.40	-	44.25	39.33	7.19	31.06
PK	15.7173G	62.34	74.00	-11.66	15.32	3	Horizontal	157	1.69	-	47.02	38.20	9.06	31.94

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_BF

24/03/2018

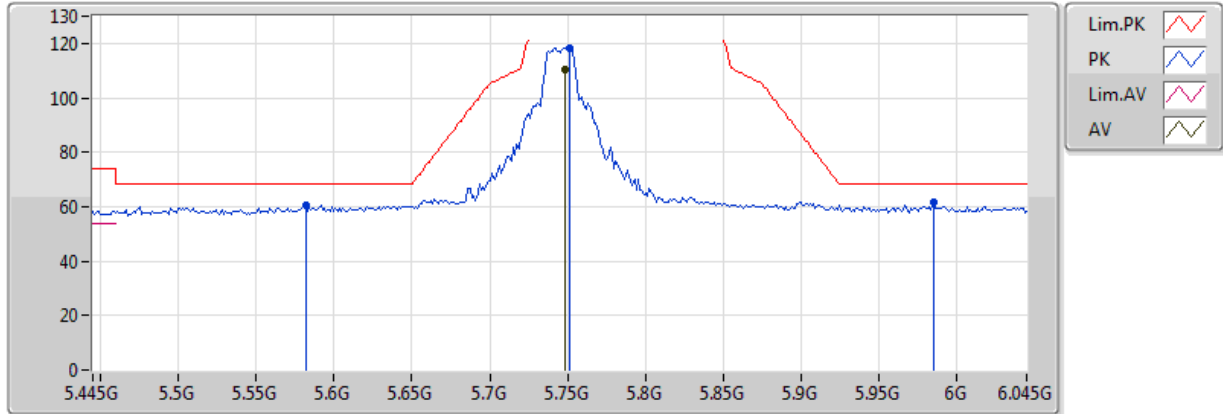


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7486G	107.56	Inf	-Inf	7.83	3	Vertical	83	1.19	-	99.73	32.40	5.30	29.87
PK	5.6466G	62.19	68.20	-6.01	7.61	3	Vertical	83	1.19	-	54.58	32.28	5.17	29.84
PK	5.7486G	115.77	Inf	-Inf	7.83	3	Vertical	83	1.19	-	107.94	32.40	5.30	29.87
PK	5.9334G	60.13	68.20	-8.07	8.24	3	Vertical	83	1.19	-	51.89	32.62	5.54	29.92

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_BF

24/03/2018

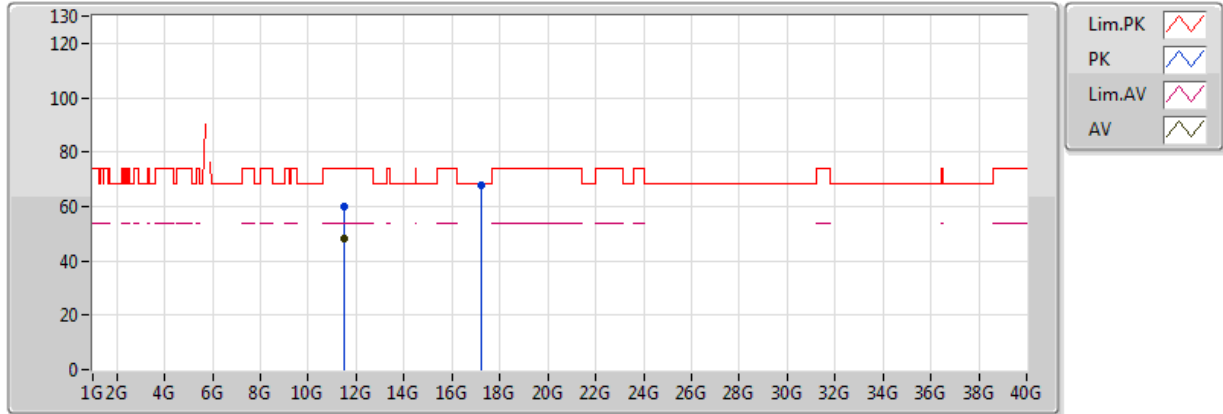


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7486G	110.57	Inf	-Inf	7.83	3	Horizontal	83	1.31	-	102.74	32.40	5.30	29.87
PK	5.5818G	60.52	68.20	-7.68	7.47	3	Horizontal	83	1.31	-	53.05	32.20	5.09	29.82
PK	5.751G	118.49	Inf	-Inf	7.84	3	Horizontal	83	1.31	-	110.65	32.40	5.31	29.87
PK	5.985G	61.43	68.20	-6.77	8.35	3	Horizontal	83	1.31	-	53.08	32.68	5.61	29.94

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_BF

24/03/2018

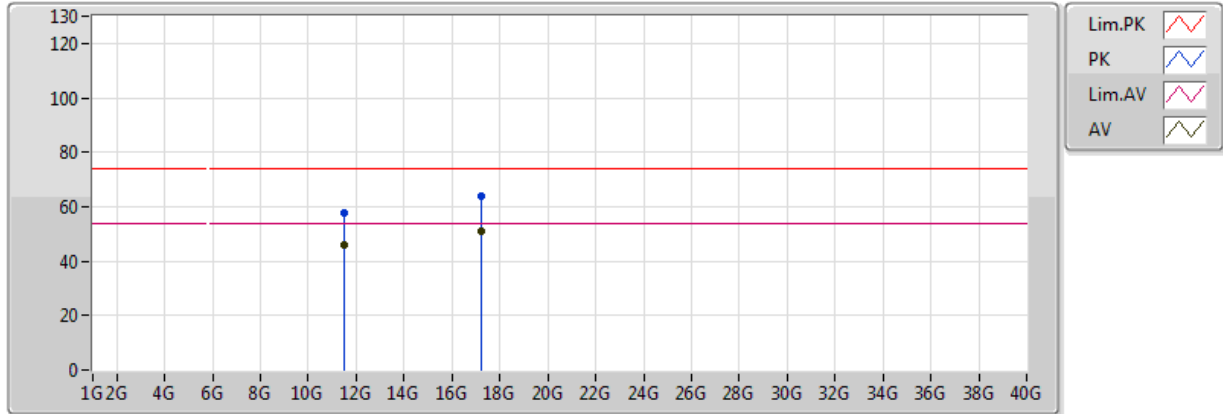


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.4903G	48.35	54.00	-5.65	15.77	3	Vertical	96	2.41	-	32.58	39.41	7.47	31.11
PK	11.4905G	59.85	74.00	-14.15	15.77	3	Vertical	96	2.41	-	44.08	39.41	7.47	31.11
PK	17.2341G	67.92	68.20	-0.28	19.55	3	Vertical	27	1.91	-	48.37	41.92	9.41	31.78

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_BF

24/03/2018

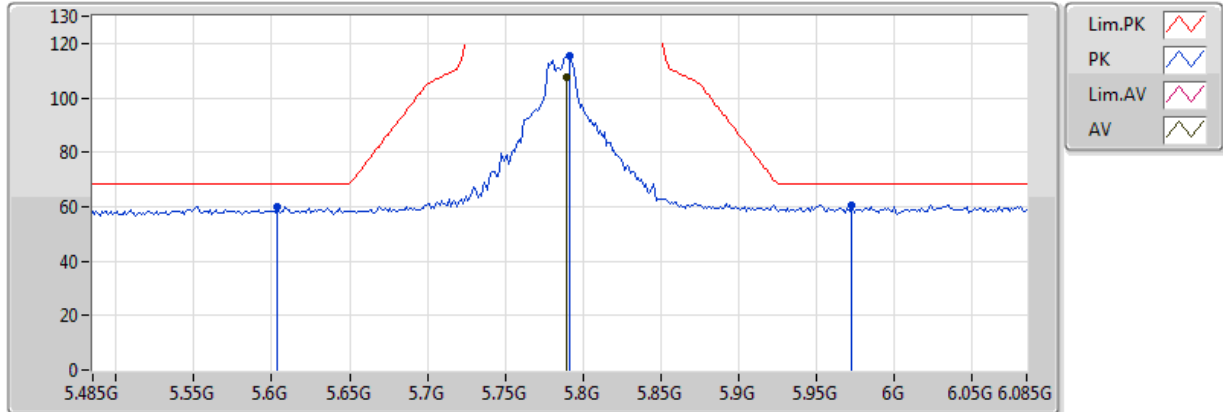


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.49G	46.01	54.00	-7.99	15.77	3	Horizontal	186	1.29	-	30.24	39.41	7.47	31.11
AV	17.2388G	50.91	54.00	-3.09	19.58	3	Horizontal	22	1.83	-	31.33	41.95	9.41	31.78
PK	11.4881G	57.66	74.00	-16.34	15.77	3	Horizontal	186	1.29	-	41.89	39.41	7.47	31.11
PK	17.24G	63.82	74.00	-10.18	19.59	3	Horizontal	22	1.83	-	44.23	41.96	9.41	31.78

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_BF

24/03/2018

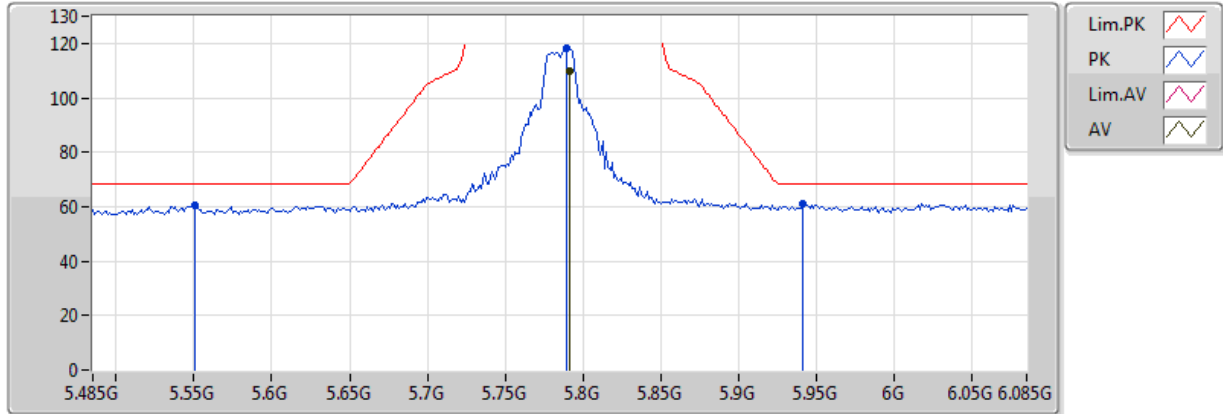


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7898G	107.32	Inf	-Inf	7.93	3	Vertical	192	1.48	-	99.39	32.45	5.36	29.88
PK	5.6038G	59.93	68.20	-8.27	7.50	3	Vertical	192	1.48	-	52.43	32.22	5.11	29.83
PK	5.791G	115.47	Inf	-Inf	7.93	3	Vertical	192	1.48	-	107.54	32.45	5.36	29.88
PK	5.9722G	60.37	68.20	-7.83	8.33	3	Vertical	192	1.48	-	52.04	32.67	5.59	29.93

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_BF

24/03/2018

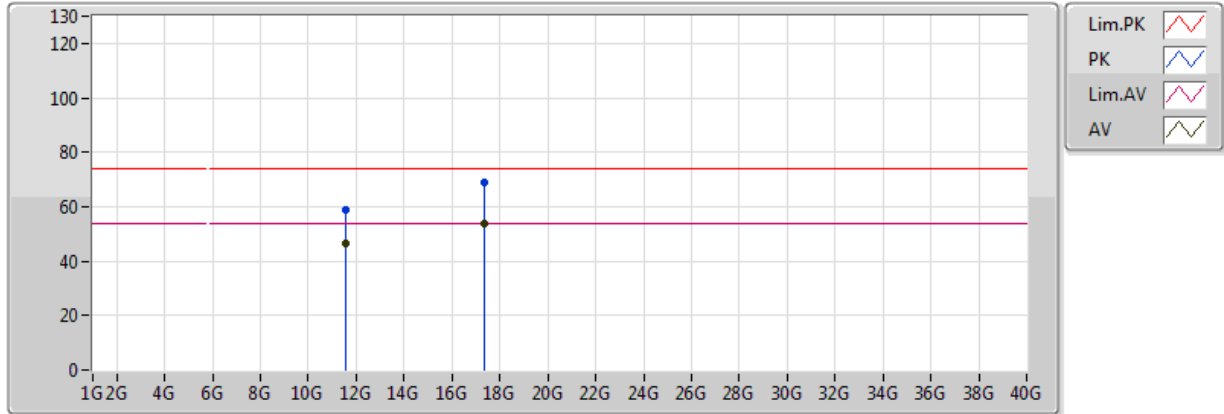


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.791G	109.70	Inf	-Inf	7.93	3	Horizontal	82	1.14	-	101.77	32.45	5.36	29.88
PK	5.551G	60.71	68.20	-7.49	7.39	3	Horizontal	82	1.14	-	53.32	32.16	5.05	29.82
PK	5.7898G	118.18	Inf	-Inf	7.93	3	Horizontal	82	1.14	-	110.25	32.45	5.36	29.88
PK	5.941G	61.13	68.20	-7.07	8.26	3	Horizontal	82	1.14	-	52.87	32.63	5.55	29.92

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_BF

24/03/2018

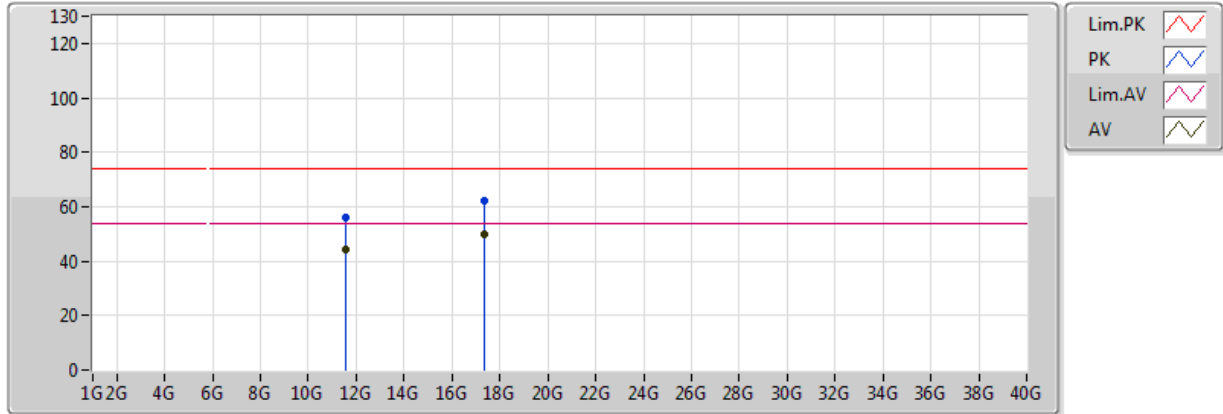


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5823G	46.23	54.00	-7.77	15.70	3	Vertical	197	1.87	-	30.53	39.30	7.50	31.10
AV	17.3494G	53.59	54.00	-0.41	20.47	3	Vertical	275	1.87	-	33.12	42.71	9.50	31.74
PK	11.5813G	58.98	74.00	-15.02	15.70	3	Vertical	197	1.87	-	43.28	39.30	7.50	31.10
PK	17.3487G	69.09	74.00	-4.91	20.46	3	Vertical	275	1.87	-	48.63	42.71	9.50	31.74

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_BF

24/03/2018

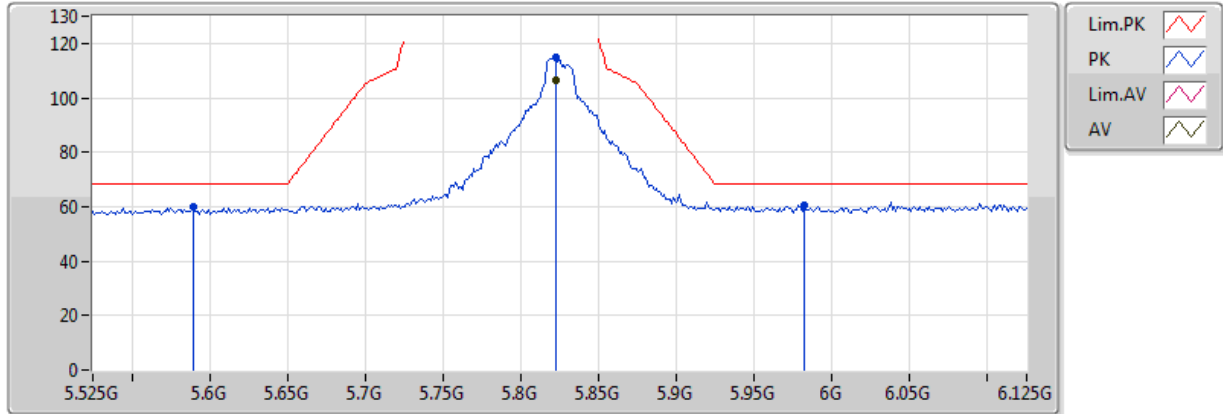


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.5776G	44.51	54.00	-9.49	15.71	3	Horizontal	192	2.25	-	28.80	39.31	7.50	31.10
AV	17.3592G	49.91	54.00	-4.09	20.55	3	Horizontal	335	1.88	-	29.36	42.78	9.51	31.74
PK	11.5788G	56.05	74.00	-17.95	15.71	3	Horizontal	192	2.25	-	40.34	39.31	7.50	31.10
PK	17.3516G	62.15	74.00	-11.85	20.49	3	Horizontal	335	1.88	-	41.66	42.73	9.50	31.74

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_BF

24/03/2018

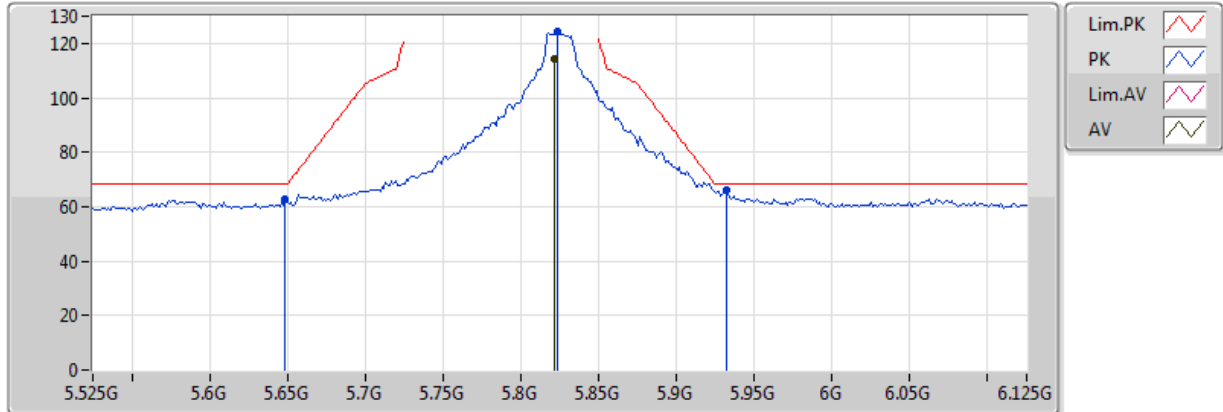


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8226G	106.66	Inf	-Inf	8.00	3	Vertical	190	1.90	-	98.66	32.49	5.40	29.89
PK	5.5898G	59.72	68.20	-8.48	7.48	3	Vertical	190	1.90	-	52.24	32.21	5.10	29.83
PK	5.8226G	114.99	Inf	-Inf	8.00	3	Vertical	190	1.90	-	106.99	32.49	5.40	29.89
PK	5.9822G	60.64	68.20	-7.56	8.36	3	Vertical	190	1.90	-	52.28	32.68	5.61	29.93

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_BF

24/03/2018

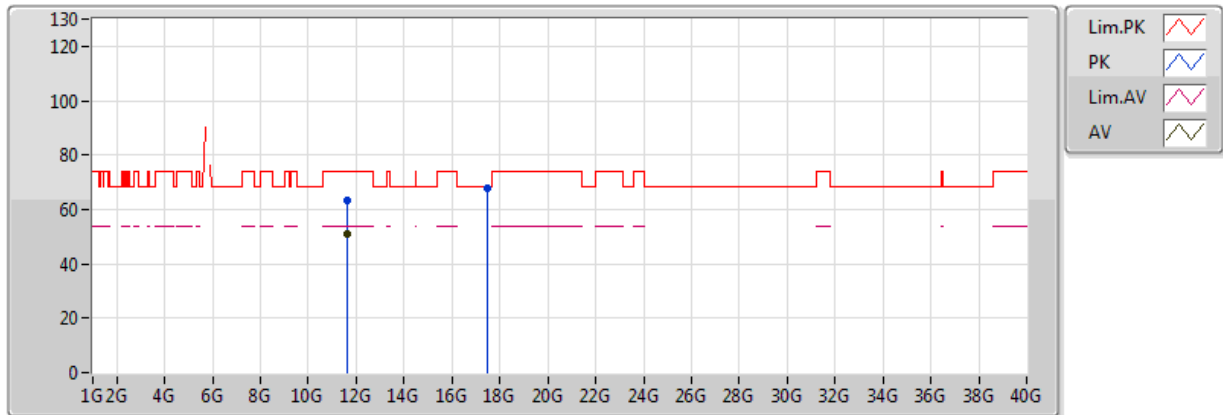


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8214G	114.37	Inf	-Inf	8.00	3	Horizontal	81	2.13	-	106.37	32.49	5.40	29.89
PK	5.6486G	62.77	68.20	-5.43	7.61	3	Horizontal	81	2.13	-	55.16	32.28	5.17	29.84
PK	5.8238G	124.41	Inf	-Inf	8.00	3	Horizontal	81	2.13	-	116.41	32.49	5.40	29.89
PK	5.9318G	65.89	68.20	-2.31	8.24	3	Horizontal	81	2.13	-	57.65	32.62	5.54	29.92

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_BF

24/03/2018

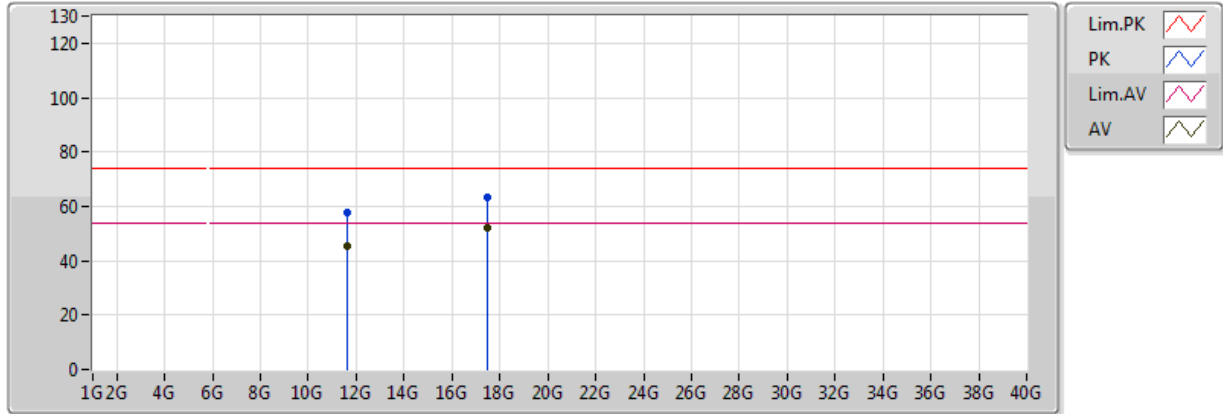


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.6503G	51.05	54.00	-2.95	15.65	3	Vertical	98	2.99	-	35.40	39.22	7.52	31.09
PK	11.6501G	63.51	74.00	-10.49	15.65	3	Vertical	98	2.99	-	47.86	39.22	7.52	31.09
PK	17.4674G	68.07	68.20	-0.13	21.41	3	Vertical	276	1.90	-	46.66	43.53	9.59	31.70

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_BF

11/04/2018



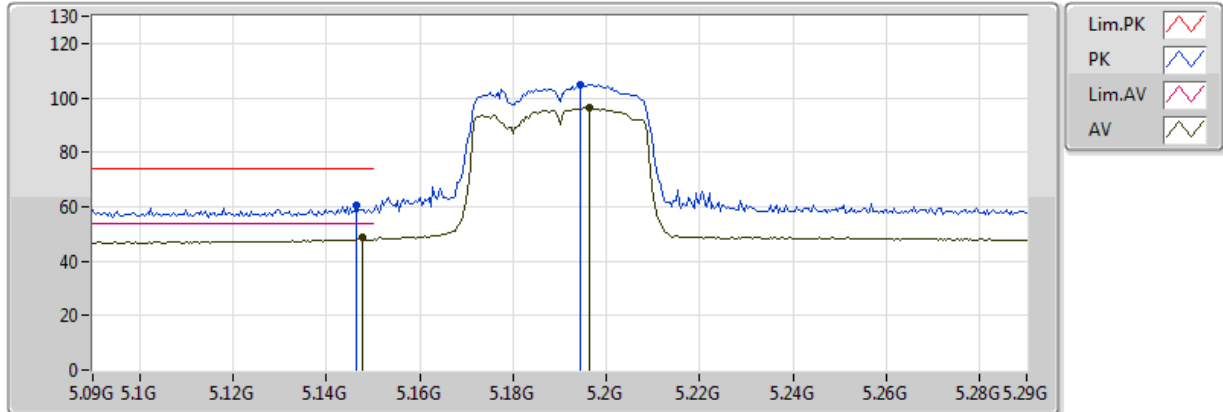
EUT = Z
Power set = 84
Andy

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.6469G	45.55	54.00	-8.45	15.65	3	Horizontal	187	1.13	-	29.90	39.22	7.52	31.09
AV	17.48149G	51.98	54.00	-2.02	21.53	3	Horizontal	66	1.13	-	30.45	43.62	9.60	31.70
PK	11.6474G	57.69	74.00	-16.31	15.65	3	Horizontal	187	1.13	-	42.04	39.22	7.52	31.09
PK	17.48229G	63.56	74.00	-10.44	21.53	3	Horizontal	66	1.13	-	42.03	43.63	9.60	31.70

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_BF

24/03/2018

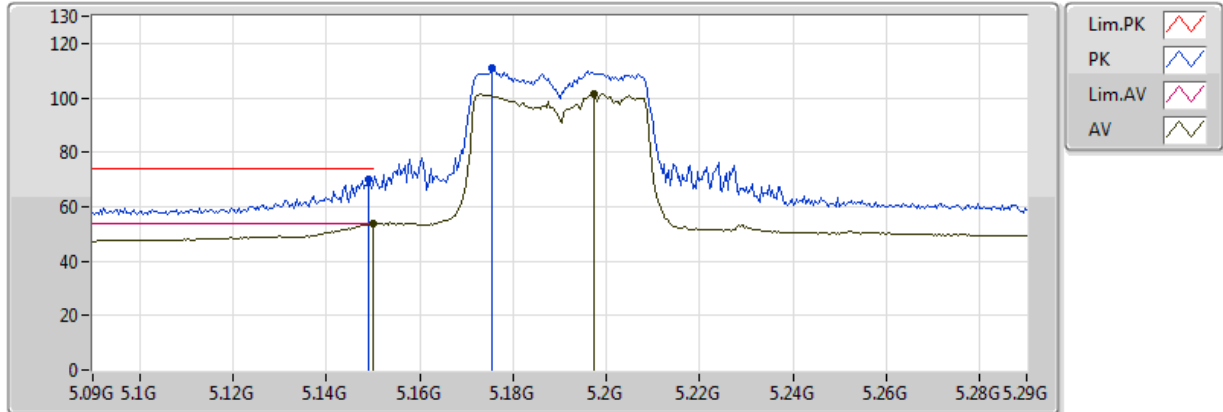


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1476G	48.69	54.00	-5.31	6.59	3	Vertical	189	1.65	-	42.10	31.68	4.72	29.81
AV	5.1964G	96.40	Inf	-Inf	6.68	3	Vertical	189	1.65	-	89.72	31.74	4.76	29.81
PK	5.1464G	60.54	74.00	-13.46	6.59	3	Vertical	189	1.65	-	53.95	31.68	4.72	29.81
PK	5.1944G	104.95	Inf	-Inf	6.68	3	Vertical	189	1.65	-	98.27	31.73	4.76	29.81

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_BF

24/03/2018

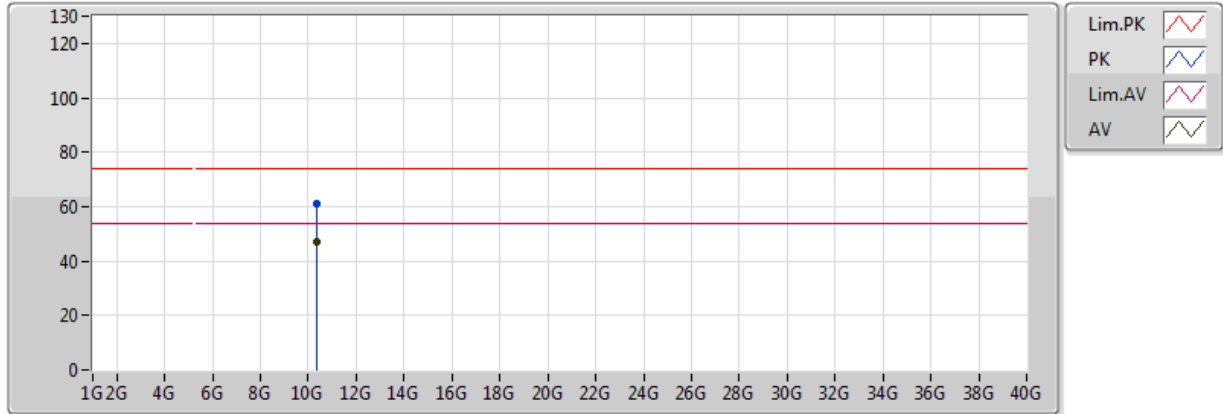


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.149995G	53.59	54.00	-0.41	6.59	3	Horizontal	103	2.05	-	47.00	31.68	4.72	29.81
AV	5.1972G	101.41	Inf	-Inf	6.68	3	Horizontal	103	2.05	-	94.73	31.74	4.76	29.81
PK	5.1492G	69.89	74.00	-4.11	6.59	3	Horizontal	103	2.05	-	63.30	31.68	4.72	29.81
PK	5.1756G	111.20	Inf	-Inf	6.64	3	Horizontal	103	2.05	-	104.56	31.71	4.74	29.81

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_BF

24/03/2018

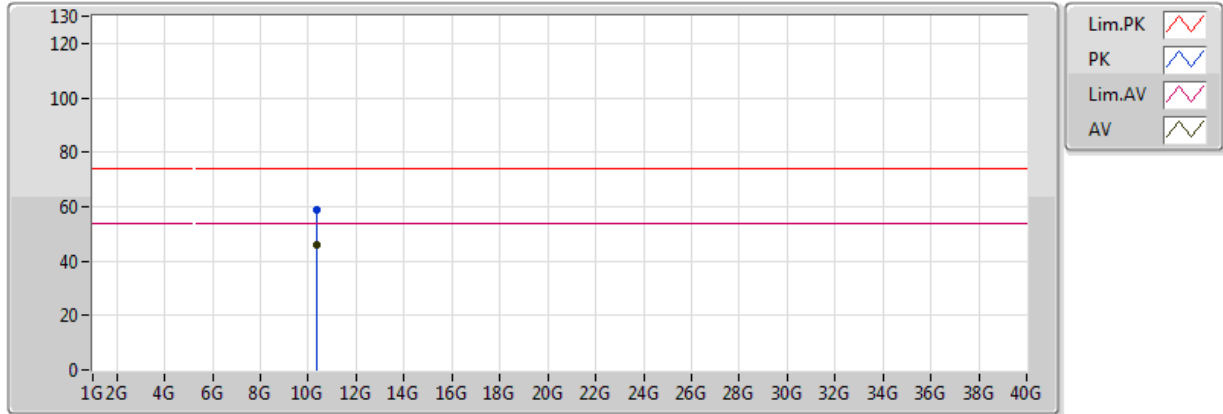


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.3661G	47.08	54.00	-6.92	15.31	3	Vertical	52	2.04	-	31.77	39.18	7.16	31.03
PK	10.364G	61.09	74.00	-12.91	15.31	3	Vertical	52	2.04	-	45.78	39.17	7.16	31.03

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_BF

24/03/2018

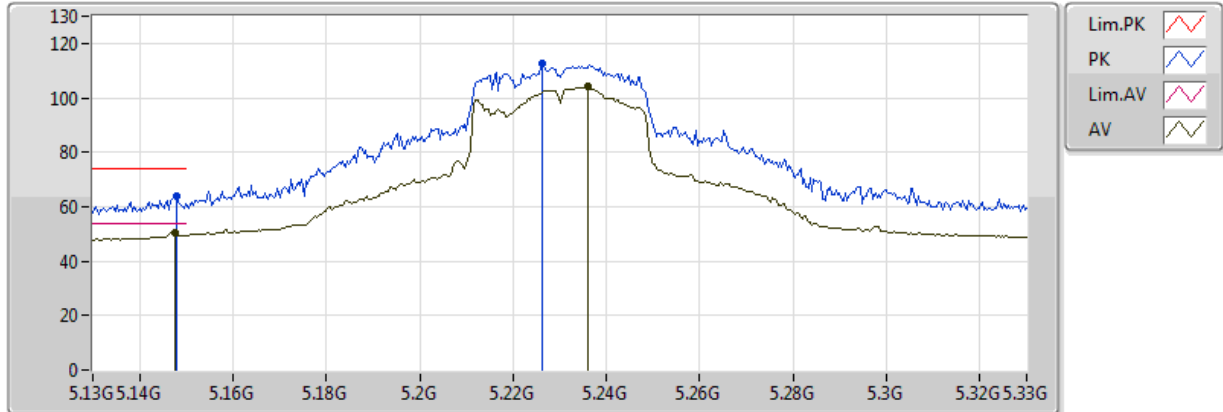


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.373G	45.71	54.00	-8.29	15.32	3	Horizontal	159	2.04	-	30.39	39.18	7.17	31.03
PK	10.3731G	58.71	74.00	-15.29	15.32	3	Horizontal	159	2.04	-	43.39	39.19	7.17	31.03

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_BF

24/03/2018

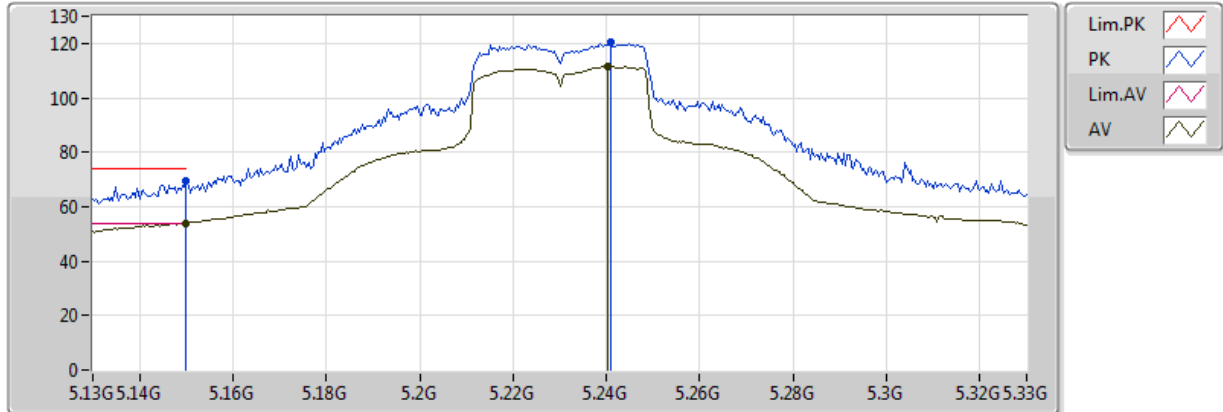


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1476G	50.59	54.00	-3.41	6.59	3	Vertical	189	1.30	-	44.00	31.68	4.72	29.81
AV	5.236G	103.95	Inf	-Inf	6.76	3	Vertical	189	1.30	-	97.19	31.78	4.79	29.81
PK	5.148G	63.83	74.00	-10.17	6.59	3	Vertical	189	1.30	-	57.24	31.68	4.72	29.81
PK	5.2264G	112.62	Inf	-Inf	6.74	3	Vertical	189	1.30	-	105.88	31.77	4.78	29.81

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_BF

24/03/2018

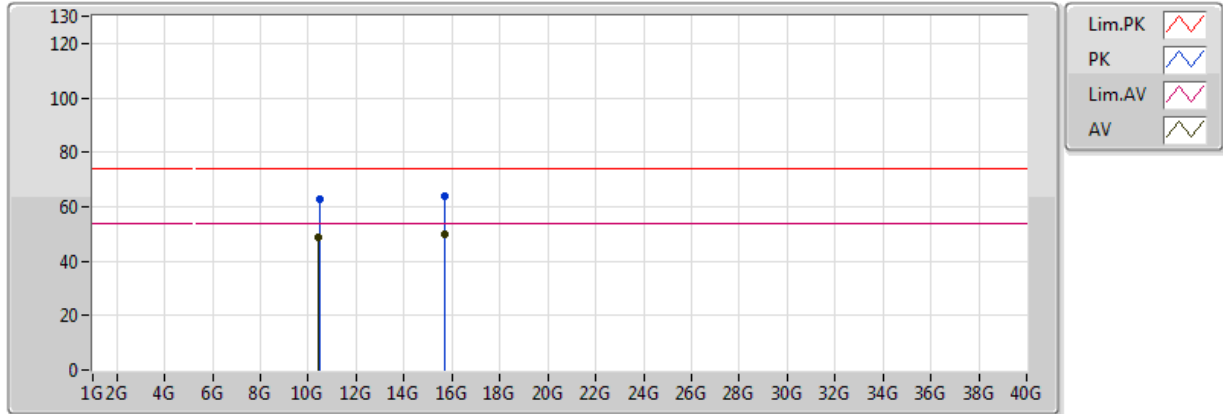


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	53.81	54.00	-0.19	6.59	3	Horizontal	83	1.01	-	47.22	31.68	4.72	29.81
AV	5.2404G	111.30	Inf	-Inf	6.77	3	Horizontal	83	1.01	-	104.53	31.79	4.79	29.81
PK	5.149995G	69.30	74.00	-4.70	6.59	3	Horizontal	83	1.01	-	62.71	31.68	4.72	29.81
PK	5.2408G	120.24	Inf	-Inf	6.77	3	Horizontal	83	1.01	-	113.47	31.79	4.79	29.81

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_BF

24/03/2018

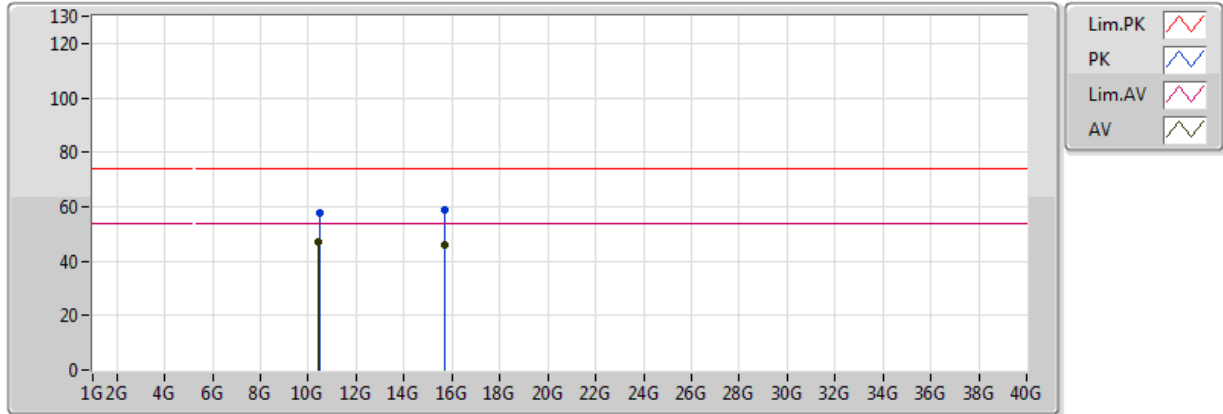


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.44373G	48.53	54.00	-5.47	15.41	3	Vertical	354	1.90	-	33.12	39.28	7.18	31.05
AV	15.6939G	49.90	54.00	-4.10	15.40	3	Vertical	101	2.01	-	34.50	38.29	9.04	31.93
PK	10.46439G	62.84	74.00	-11.16	15.44	3	Vertical	304	1.90	-	47.40	39.30	7.19	31.05
PK	15.6821G	63.77	74.00	-10.23	15.44	3	Vertical	101	2.01	-	48.33	38.34	9.03	31.93

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_BF

24/03/2018

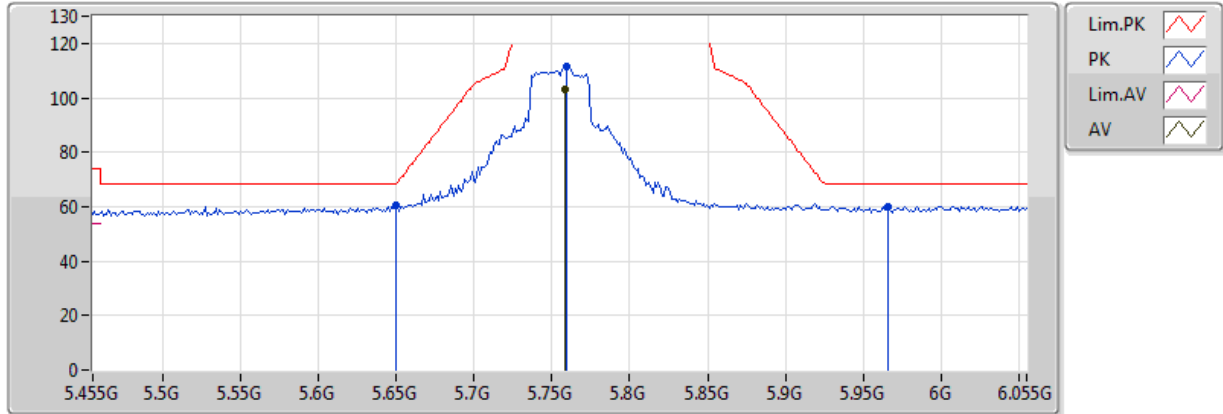


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.44463G	46.89	54.00	-7.11	15.41	3	Horizontal	193	1.50	-	31.48	39.28	7.18	31.05
AV	15.7122G	46.07	54.00	-7.93	15.34	3	Horizontal	157	1.50	-	30.73	38.22	9.06	31.94
PK	10.46519G	57.64	74.00	-16.36	15.44	3	Horizontal	193	1.50	-	42.20	39.30	7.19	31.05
PK	15.7141G	58.75	74.00	-15.25	15.33	3	Horizontal	157	1.50	-	43.42	38.22	9.06	31.94

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_BF

24/03/2018

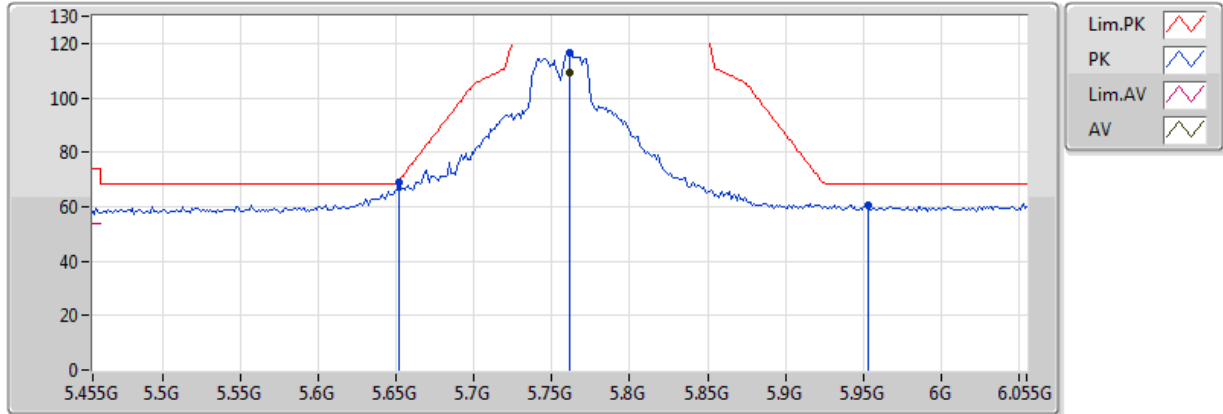


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7586G	103.22	Inf	-Inf	7.85	3	Vertical	210	2.15	-	95.37	32.41	5.32	29.87
PK	5.6494G	60.28	68.20	-7.92	7.61	3	Vertical	210	2.15	-	52.67	32.28	5.17	29.84
PK	5.7598G	111.36	Inf	-Inf	7.86	3	Vertical	210	2.15	-	103.50	32.41	5.32	29.87
PK	5.9662G	60.03	68.20	-8.17	8.32	3	Vertical	210	2.15	-	51.71	32.66	5.59	29.93

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_BF

24/03/2018

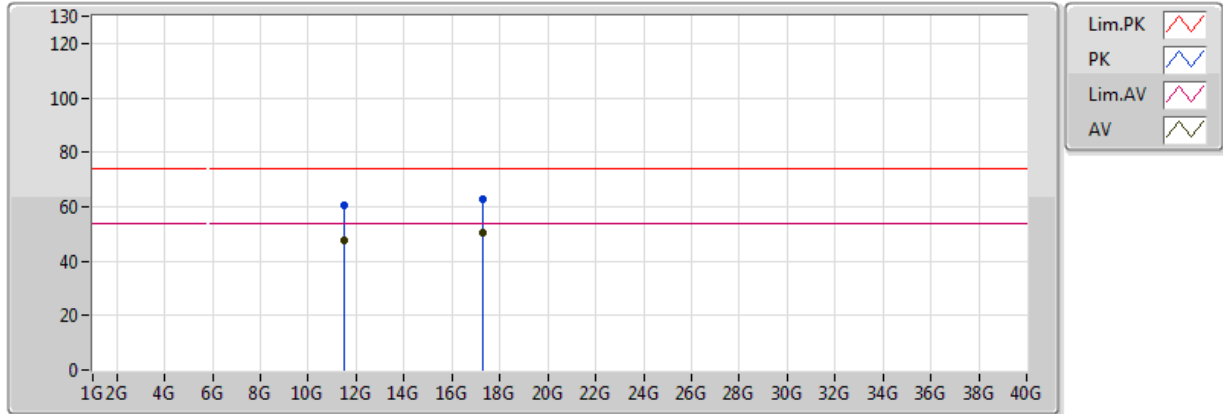


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.761G	109.24	Inf	-Inf	7.86	3	Horizontal	107	1.49	-	101.38	32.41	5.32	29.87
PK	5.6518G	69.08	69.53	-0.45	7.61	3	Horizontal	107	1.49	-	61.47	32.28	5.18	29.85
PK	5.761G	116.64	Inf	-Inf	7.86	3	Horizontal	107	1.49	-	108.78	32.41	5.32	29.87
PK	5.953G	60.78	68.20	-7.42	8.28	3	Horizontal	107	1.49	-	52.50	32.64	5.57	29.93

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_BF

24/03/2018

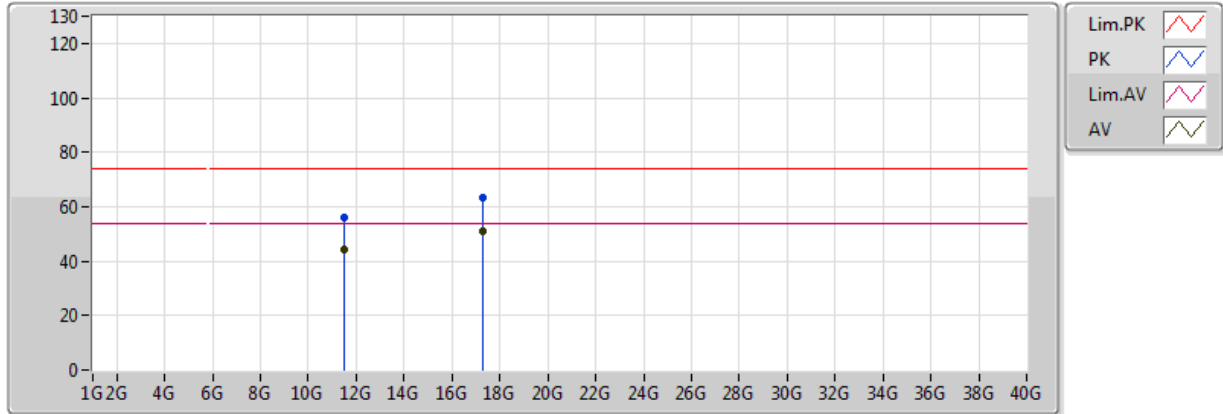


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5006G	47.36	54.00	-6.64	15.76	3	Vertical	101	2.32	-	31.60	39.40	7.48	31.11
AV	17.2642G	50.41	54.00	-3.59	19.79	3	Vertical	9	1.50	-	30.62	42.12	9.43	31.77
PK	11.51G	60.70	74.00	-13.30	15.76	3	Vertical	101	2.32	-	44.94	39.39	7.48	31.11
PK	17.2573G	62.92	74.00	-11.08	19.73	3	Vertical	9	1.50	-	43.19	42.08	9.43	31.77

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_BF

24/03/2018

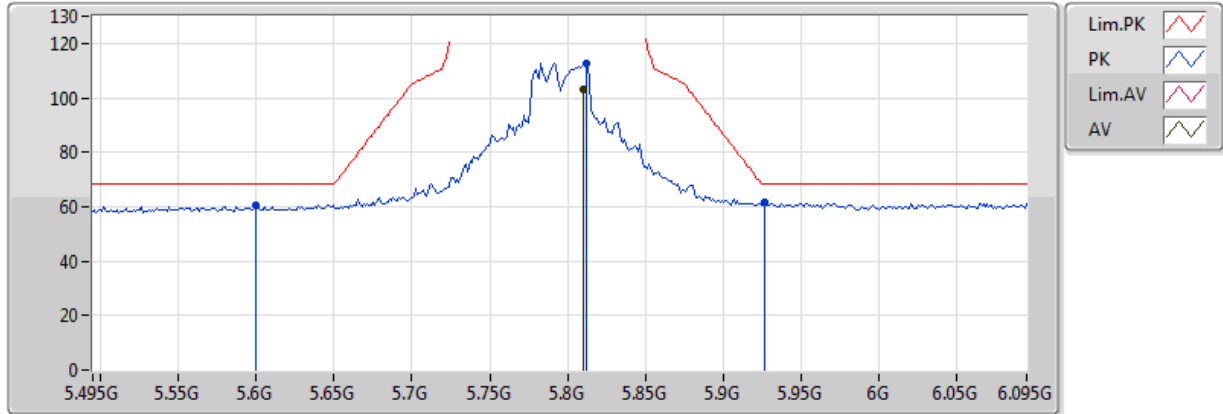


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.4899G	44.24	54.00	-9.76	15.77	3	Horizontal	187	1.29	-	28.47	39.41	7.47	31.11
AV	17.2665G	51.17	54.00	-2.83	19.80	3	Horizontal	27	1.80	-	31.37	42.14	9.44	31.77
PK	11.4968G	56.06	74.00	-17.94	15.77	3	Horizontal	187	1.29	-	40.29	39.40	7.47	31.11
PK	17.2647G	63.17	74.00	-10.83	19.79	3	Horizontal	27	1.80	-	43.38	42.13	9.43	31.77

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_BF

24/03/2018

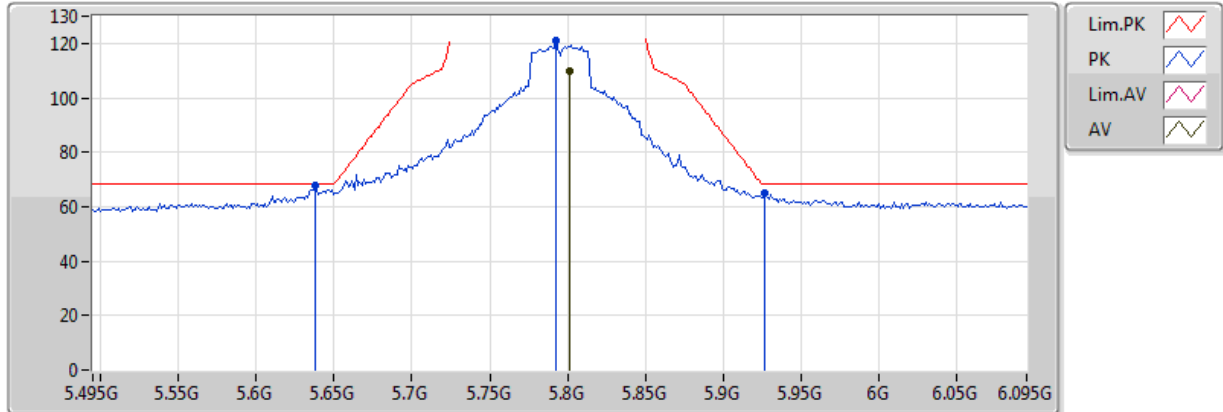


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8106G	103.04	Inf	-Inf	7.97	3	Vertical	219	2.35	-	95.07	32.47	5.38	29.88
PK	5.5994G	60.49	68.20	-7.71	7.50	3	Vertical	219	2.35	-	52.99	32.22	5.11	29.83
PK	5.8118G	112.77	Inf	-Inf	7.98	3	Vertical	219	2.35	-	104.79	32.47	5.39	29.88
PK	5.927G	61.60	68.20	-6.60	8.23	3	Vertical	219	2.35	-	53.37	32.61	5.54	29.92

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_BF

24/03/2018

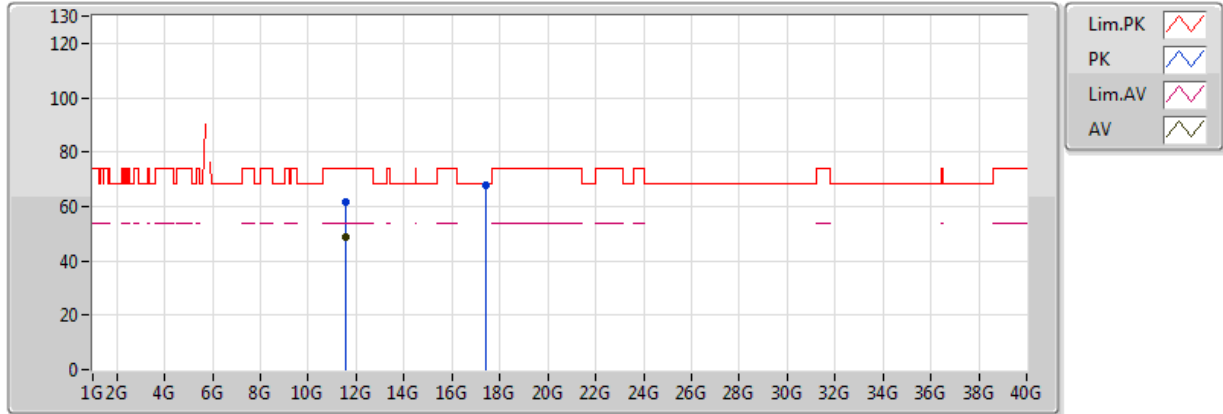


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.801G	109.68	Inf	-Inf	7.95	3	Horizontal	82	1.17	-	101.73	32.46	5.37	29.88
PK	5.6378G	67.75	68.20	-0.45	7.59	3	Horizontal	82	1.17	-	60.16	32.27	5.16	29.84
PK	5.7926G	120.79	Inf	-Inf	7.93	3	Horizontal	82	1.17	-	112.86	32.45	5.36	29.88
PK	5.927G	64.79	68.20	-3.41	8.23	3	Horizontal	82	1.17	-	56.56	32.61	5.54	29.92

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_BF

24/03/2018

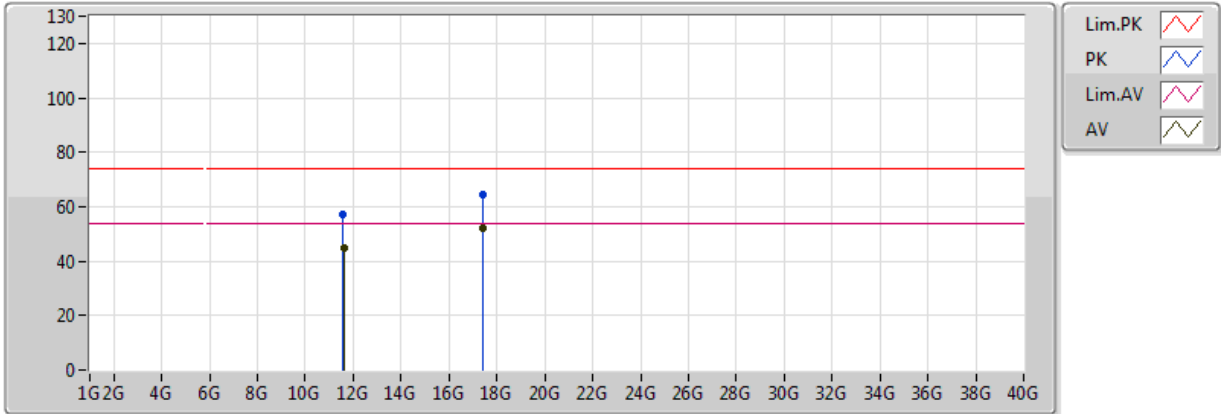


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5905G	48.65	54.00	-5.35	15.70	3	Vertical	96	2.99	-	32.95	39.29	7.50	31.10
PK	11.5904G	61.72	74.00	-12.28	15.70	3	Vertical	96	2.99	-	46.02	39.29	7.50	31.10
PK	17.3871G	67.95	68.20	-0.25	20.77	3	Vertical	320	1.86	-	47.18	42.97	9.53	31.73

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_BF

24/03/2018

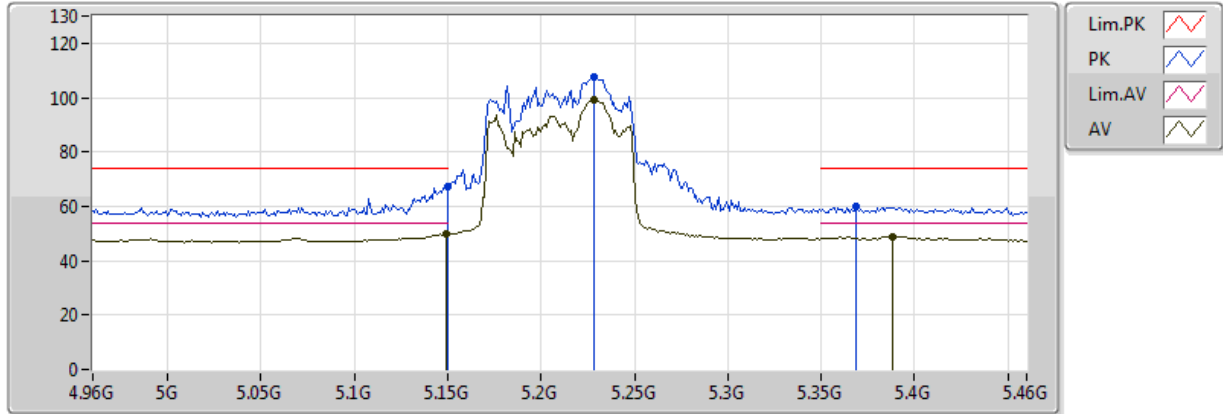


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.598G	44.62	54.00	-9.38	15.69	3	Horizontal	186	1.14	-	28.93	39.28	7.51	31.10
AV	17.39957G	52.27	54.00	-1.73	20.87	3	Horizontal	15	1.83	-	31.40	43.06	9.54	31.72
PK	11.5912G	56.93	74.00	-17.07	15.70	3	Horizontal	186	1.14	-	41.23	39.29	7.51	31.10
PK	17.3868G	64.17	74.00	-9.83	20.77	3	Horizontal	15	1.83	-	43.40	42.97	9.53	31.73

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_BF

24/03/2018

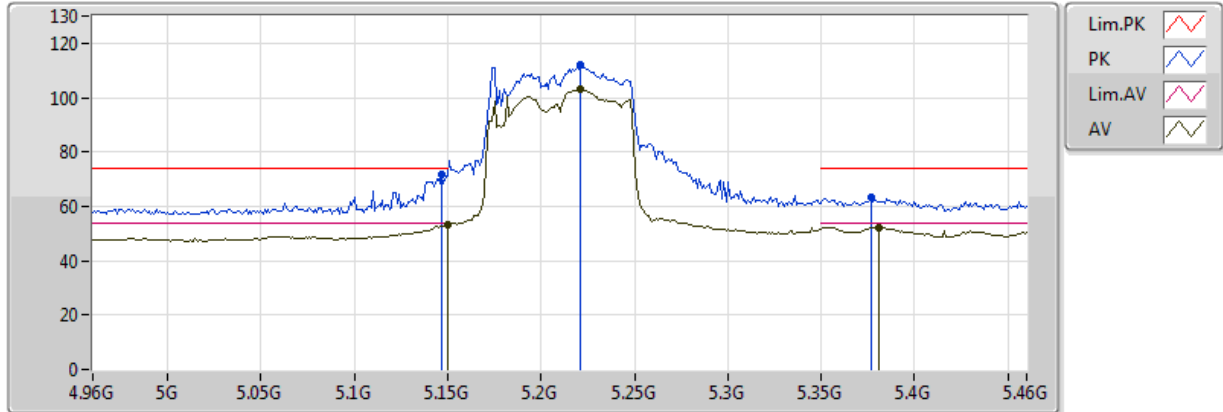


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149G	49.78	54.00	-4.22	6.59	3	Vertical	267	2.20	-	43.19	31.68	4.72	29.81
AV	5.228G	99.36	Inf	-Inf	6.75	3	Vertical	267	2.20	-	92.61	31.77	4.78	29.81
AV	5.388G	49.01	54.00	-4.99	7.07	3	Vertical	267	2.20	-	41.94	31.97	4.90	29.80
PK	5.149995G	66.99	74.00	-7.01	6.59	3	Vertical	267	2.20	-	60.40	31.68	4.72	29.81
PK	5.228G	107.53	Inf	-Inf	6.75	3	Vertical	267	2.20	-	100.78	31.77	4.78	29.81
PK	5.369G	59.73	74.00	-14.27	7.03	3	Vertical	267	2.20	-	52.70	31.94	4.89	29.80

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_BF

24/03/2018

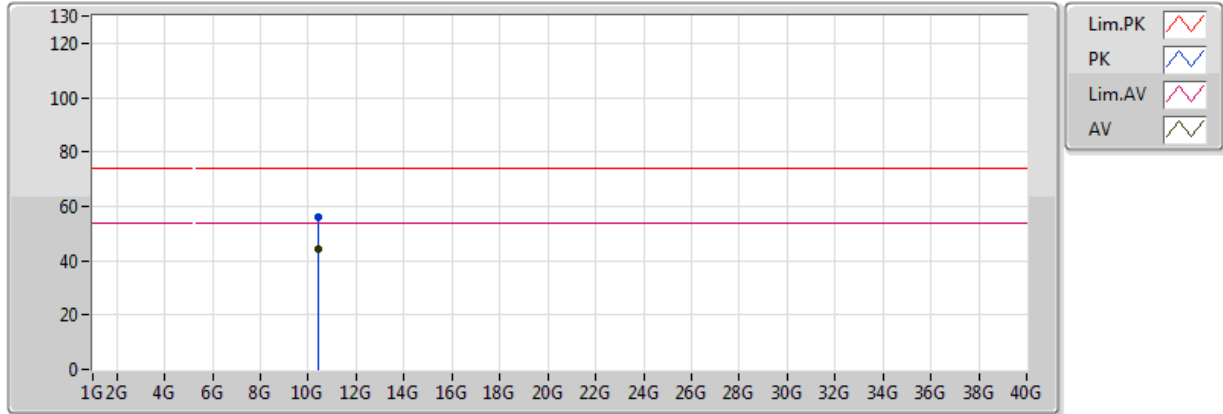


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	53.14	54.00	-0.86	6.59	3	Horizontal	86	1.11	-	46.55	31.68	4.72	29.81
AV	5.221G	103.07	Inf	-Inf	6.73	3	Horizontal	86	1.11	-	96.34	31.77	4.77	29.81
AV	5.381G	52.37	54.00	-1.63	7.05	3	Horizontal	86	1.11	-	45.32	31.96	4.89	29.80
PK	5.147G	71.73	74.00	-2.27	6.59	3	Horizontal	86	1.11	-	65.14	31.68	4.72	29.81
PK	5.221G	111.92	Inf	-Inf	6.73	3	Horizontal	86	1.11	-	105.19	31.77	4.77	29.81
PK	5.377G	63.46	74.00	-10.54	7.04	3	Horizontal	86	1.11	-	56.42	31.95	4.89	29.80

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_BF

11/04/2018



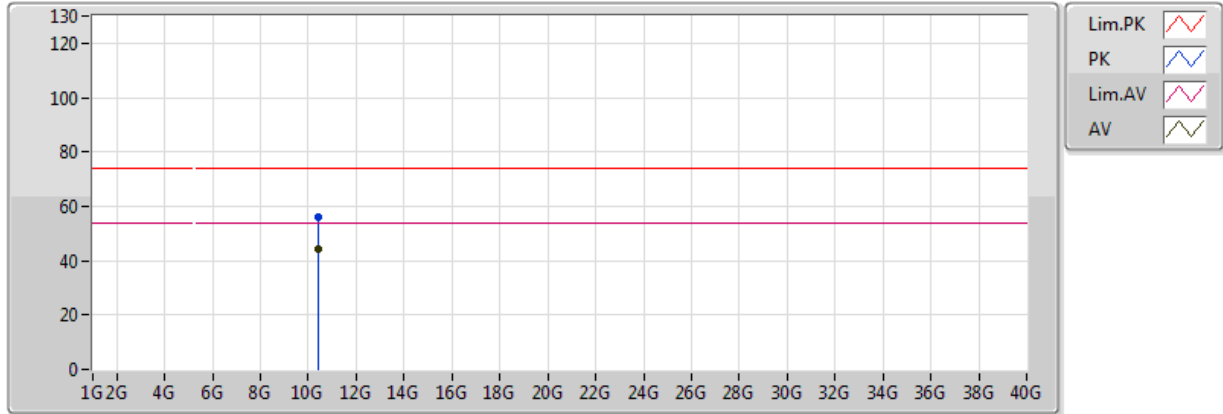
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Power set = 69
Andy

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.39645G	44.26	54.00	-9.74	15.35	3	Vertical	294	1.50	-	28.91	39.22	7.17	31.04
PK	10.42609G	56.14	74.00	-17.86	15.39	3	Vertical	294	1.50	-	40.75	39.25	7.18	31.04

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_BF

11/04/2018



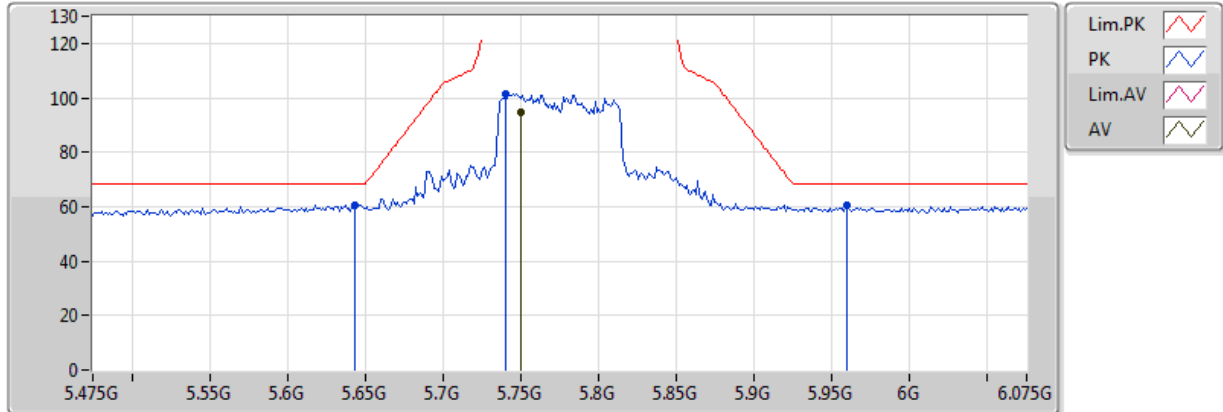
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Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.41601G	44.34	54.00	-9.66	15.37	3	Horizontal	132	1.50	-	28.97	39.24	7.18	31.04
PK	10.41431G	56.06	74.00	-17.94	15.37	3	Horizontal	132	1.50	-	40.69	39.24	7.18	31.04

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_BF

24/03/2018

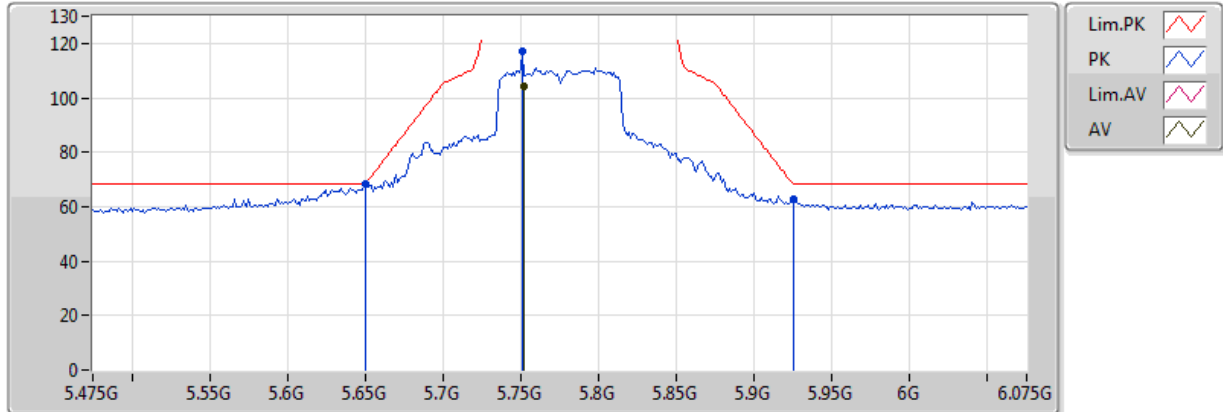


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7498G	94.58	Inf	-Inf	7.83	3	Vertical	19	2.64	-	86.75	32.40	5.30	29.87
PK	5.643G	60.69	68.20	-7.51	7.60	3	Vertical	19	2.64	-	53.09	32.27	5.17	29.84
PK	5.7402G	101.41	Inf	-Inf	7.81	3	Vertical	19	2.64	-	93.60	32.39	5.29	29.87
PK	5.9598G	60.62	68.20	-7.58	8.30	3	Vertical	19	2.64	-	52.32	32.65	5.58	29.93

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_BF

24/03/2018

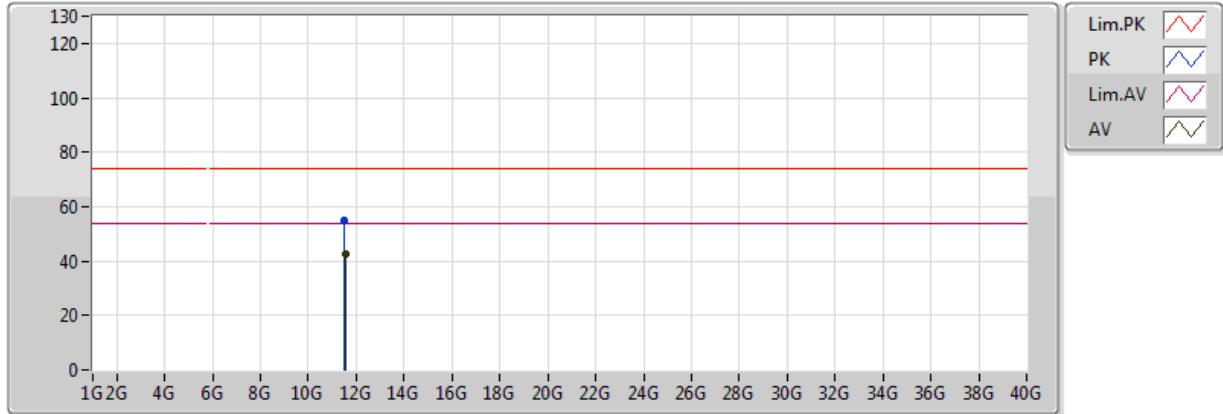


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7522G	104.48	Inf	-Inf	7.84	3	Horizontal	78	1.02	-	96.64	32.40	5.31	29.87
PK	5.6502G	68.20	68.35	-0.15	7.61	3	Horizontal	78	1.02	-	60.59	32.28	5.18	29.85
PK	5.751G	117.03	Inf	-Inf	7.84	3	Horizontal	78	1.02	-	109.19	32.40	5.31	29.87
PK	5.925G	62.96	68.20	-5.24	8.22	3	Horizontal	78	1.02	-	54.74	32.61	5.53	29.92

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_BF

24/03/2018

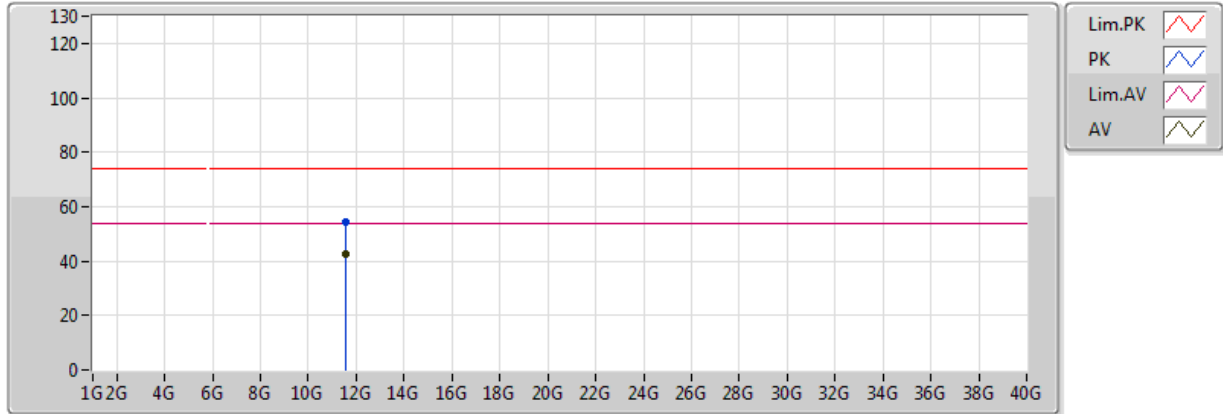


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.565G	42.76	54.00	-11.24	15.72	3	Vertical	116	1.22	-	27.04	39.32	7.50	31.10
PK	11.5263G	55.16	74.00	-18.84	15.75	3	Vertical	116	1.22	-	39.41	39.37	7.48	31.11

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_BF

24/03/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.5697G	42.56	54.00	-11.44	15.71	3	Horizontal	27	1.38	-	26.85	39.32	7.50	31.10
PK	11.5401G	54.20	74.00	-19.80	15.73	3	Horizontal	27	1.38	-	38.47	39.35	7.49	31.11



Frequency Stability Result

Appendix F

Summary

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
5.725-5.85GHz	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	5.785G	5.78497676G	4.017	20	1	10 min

**Result**

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-
5785MHz_-5°C	Pass	5.785G	5.78499028G	1.68	20	1	0 min
5785MHz_-5°C	Pass	5.785G	5.78499029G	1.679	20	1	2 min
5785MHz_-5°C	Pass	5.785G	5.78499031G	1.676	20	1	5 min
5785MHz_-5°C	Pass	5.785G	5.78499032G	1.673	20	1	10 min
5785MHz_0°C	Pass	5.785G	5.78499081G	1.589	20	1	0 min
5785MHz_0°C	Pass	5.785G	5.78499081G	1.588	20	1	2 min
5785MHz_0°C	Pass	5.785G	5.78499081G	1.588	20	1	5 min
5785MHz_0°C	Pass	5.785G	5.78499082G	1.587	20	1	10 min
5785MHz_10°C	Pass	5.785G	5.7849799G	3.475	20	1	0 min
5785MHz_10°C	Pass	5.785G	5.7849799G	3.475	20	1	2 min
5785MHz_10°C	Pass	5.785G	5.7849799G	3.475	20	1	5 min
5785MHz_10°C	Pass	5.785G	5.78497989G	3.476	20	1	10 min
5785MHz_20°C	Pass	5.785G	5.78497758G	3.875	20	1	0 min
5785MHz_20°C	Pass	5.785G	5.78497755G	3.88	20	1	2 min
5785MHz_20°C	Pass	5.785G	5.78497754G	3.882	20	1	5 min
5785MHz_20°C	Pass	5.785G	5.78497753G	3.884	20	1	10 min
5785MHz_30°C	Pass	5.785G	5.78499496G	0.871	20	1	0 min
5785MHz_30°C	Pass	5.785G	5.78499495G	0.873	20	1	2 min
5785MHz_30°C	Pass	5.785G	5.78499493G	0.876	20	1	5 min
5785MHz_30°C	Pass	5.785G	5.78499491G	0.881	20	1	10 min
5785MHz_40°C	Pass	5.785G	5.78499564G	0.754	20	1	0 min
5785MHz_40°C	Pass	5.785G	5.78499567G	0.749	20	1	2 min
5785MHz_40°C	Pass	5.785G	5.78499568G	0.746	20	1	5 min
5785MHz_40°C	Pass	5.785G	5.78499572G	0.741	20	1	10 min
5785MHz_50°C	Pass	5.785G	5.78497755G	3.88	20	1	0 min
5785MHz_50°C	Pass	5.785G	5.7849776G	3.872	20	1	2 min
5785MHz_50°C	Pass	5.785G	5.78497764G	3.866	20	1	5 min
5785MHz_50°C	Pass	5.785G	5.78497768G	3.858	20	1	10 min
5785MHz_138V	Pass	5.785G	5.78497682G	4.008	20	1	0 min
5785MHz_138V	Pass	5.785G	5.78497679G	4.011	20	1	2 min
5785MHz_138V	Pass	5.785G	5.78497679G	4.013	20	1	5 min
5785MHz_138V	Pass	5.785G	5.78497676G	4.017	20	1	10 min
5785MHz_120V	Pass	5.785G	5.78497703G	3.971	20	1	0 min
5785MHz_120V	Pass	5.785G	5.78497701G	3.974	20	1	2 min
5785MHz_120V	Pass	5.785G	5.78497699G	3.977	20	1	5 min
5785MHz_120V	Pass	5.785G	5.78497698G	3.98	20	1	10 min
5785MHz_102V	Pass	5.785G	5.78497737G	3.912	20	1	0 min
5785MHz_102V	Pass	5.785G	5.78497736G	3.913	20	1	2 min
5785MHz_102V	Pass	5.785G	5.78497734G	3.917	20	1	5 min
5785MHz_102V	Pass	5.785G	5.78497734G	3.917	20	1	10 min