

FCC Test Report

FCC ID : TVE-371BB072

Equipment : Secured Wireless Access Point

Brand Name : FORTINET

Model Name : FortiAP U231Fxxxxxx, FAP-U231Fxxxxxx,
FORTIAP-U231Fxxxxxx (Where "x" can be used as
"A-Z", or "0-9", or "-", or blank for software changes or
marketing purposes only)

Applicant : Fortinet, Inc.
899 Kifer Road, Sunnyvale, CA 94086, USA

Manufacturer : Universal Global Scientific Industrial Co., Ltd
141, Lane 351, Sec. 1, Taiping Road, Tsautuen, Nantou
54261, Taiwan

Standard : 47 CFR FCC Part 15.407

The product was received on Jul. 08, 2020, and testing was started from Aug. 04, 2020 and completed on Sep. 14, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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



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History of this test report

TEL : 886-3-3273456
FAX : 886-3-3270973
Report Template No.: HE1-D1 Ver2.6
FCC ID: TVE-371BB072

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	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Sam Tsai

Report Producer: Debby Hung

1 General Description

1.1 Information

The EUT has Four radio chip.

Function	Radio 1	Radio 2	Radio 3	Radio 4
WiFi 2.4G	V	X	V	X
WiFi 5G	V	V	V	X
Bluetooth / Zigbee	X	X	X	V

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), ax(HEW20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40) , ax(HEW40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax(HEW80)	5210	42 [1]
5725-5850		5775	155 [1]

Note. The Radio 1 Only support UNII-3

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX

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.
- ♦ HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Radio	Brand	Model Name	Antenna Type	Connector
1	1	ARISTOTLE	-	PIFA Antenna	IPEX
2		ARISTOTLE	-	PIFA Antenna	IPEX
3	2	ARISTOTLE	-	PIFA Antenna	IPEX
4		ARISTOTLE	-	PIFA Antenna	IPEX
5	3	ARISTOTLE	-	PIFA Antenna	IPEX
6		ARISTOTLE	-	PIFA Antenna	IPEX
7	4	ARISTOTLE	-	PIFA Antenna	IPEX

Ant.	Gain (dBi)							
	Radio 1		Radio 2		Radio 3		Radio 4	
	2.4G	5G	5G	5G	2.4G	5G	BT	Zigbee
1	3.89	4.53	-	-	-	-	-	-
2	3.86	5.07	-	-	-	-	-	-
3	-	-	5.89	-	-	-	-	-
4	-	-	-	5.07	-	-	-	-
5	-	-	-	-	3.78	5.26	-	-
6	-	-	-	-	3.97	5.44	-	-
7	-	-	-	-	-	-	3.69	3.69

Ant.	BF Gain (dBi)	
	Radio 1 & 2 & 3	
	3.01	

Directional gain = $G_{ANT\ MAX} + 10 \log(N_{ANT}/N_{SS})$ dBi, where N_{SS} = the number of independent spatial streams of data and $G_{ANT\ MAX}$ is the gain of the antenna having the highest gain (in dBi).

For 2.4GHz function:

For IEEE 802.11 b/g/n/ac/ax mode

Ant. 1, Ant.2, Ant.5 and Ant.6 could transmit/receive simultaneously.(2TX/2RX)

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode

Ant. 1, Ant.2, Ant.3, Ant.4, Ant.5 and Ant.6 could transmit/receive simultaneously.(2TX/2RX)

For Bluetooth function:

For IEEE 802.15.1 Bluetooth mode

Ant. 7 could transmit/receive. (1TX/1RX)

**For Zigbee function:**

For IEEE 802.15.3 Zigbee mode

Ant. 7 could transmit/receive. (1TX/1RX)

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
EUT Function	☐	Outdoor AP	☒	Indoor AP
	☐	Fixed P2P AP	☐	Indoor Client
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 Table for Multiple Listing

Model Name	Description
FortiAP U231Fxxxxxx, FAP-U231Fxxxxxx, FORTIAP-U231Fxxxxxx (Where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)	The difference of models is in sales marketing.

Note: The information from manufacturer.

1.1.5 Mode Test Duty Cycle

<Radio 1>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a_Nss1,(6Mbps)_2TX	0.946	0.24	2.064m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.986	0.06	1.93m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.972	0.12	954.688u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.943	0.25	462.5u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.98	0.09	1.489m	10
802.11ax HEW40_Nss1,(MCS0)_2TX	0.963	0.16	775u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.929	0.32	403.125u	3k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

<Radio 2>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a_Nss1,(6Mbps)_2TX	0.951	0.22	2.066m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.985	0.07	1.93m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.971	0.13	954.688u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.943	0.25	462.5u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.98	0.09	1.489m	1k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.963	0.16	775u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.929	0.32	403.125u	3k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

<Radio 3>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a_Nss1,(6Mbps)_2TX	0.947	0.24	2.064m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.982	0.08	1.928m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.971	0.13	952.5u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.942	0.26	460.625u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.981	0.08	1.488m	10
802.11ax HEW40_Nss1,(MCS0)_2TX	0.963	0.16	772.5u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.927	0.33	401.25u	3k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

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

The following reference test guidance is not within the scope of accreditation of TAF:

- ◆ KDB 662911 D01 v02r01
- ◆ KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
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.			
☐	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward	23.5~25.8°C / 58~60%	17/Aug/2020
RF Conducted	TH06-HY	Alan	20.1~26.9°C / 50~60%	04/Aug/2020~10/Sep/2020
Radiated	03CH03-HY	Edward	24.5~26.1°C / 54~68%	04/Aug/2020~14/Sep/2020

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)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software Version	MTool3.1.0.1
-----------------------	--------------

<Radio 1>

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5745MHz	98
5785MHz	100
5825MHz	100
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5745MHz	98
5785MHz	100
5825MHz	100
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5755MHz	90
5795MHz	95
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5775MHz	80
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5745MHz	98
5785MHz	100
5825MHz	100
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5755MHz	90
5795MHz	95
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5775MHz	80

**<Radio 2>**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	71
5200MHz	72
5240MHz	72
5745MHz	93
5785MHz	100
5825MHz	92
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	67
5200MHz	67
5240MHz	67
5745MHz	93
5785MHz	100
5825MHz	92
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	59
5230MHz	68
5755MHz	86
5795MHz	88
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	59
5775MHz	89
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	67
5200MHz	67
5240MHz	67
5745MHz	93
5785MHz	100
5825MHz	92
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	59
5230MHz	68
5755MHz	86
5795MHz	88



Mode	Power Setting
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	59
5775MHz	89

<Radio 3>

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	63
5200MHz	72
5240MHz	72
5745MHz	69
5785MHz	69
5825MHz	69
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	60
5200MHz	67
5240MHz	67
5745MHz	65
5785MHz	65
5825MHz	65
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	59
5230MHz	65
5755MHz	65
5795MHz	65
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	58
5775MHz	61
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	60
5200MHz	67
5240MHz	67
5745MHz	65
5785MHz	65
5825MHz	65



Mode	PowerSetting
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	59
5230MHz	65
5755MHz	65
5795MHz	65
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	58
5775MHz	61

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Unwanted Emissions		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V (Radio 3)		V (Radio 1,2)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Radio 1+ Radio 2+ Radio 3+ Radio 4
Refer to Sporton Test Report No.: FA040829-01 for Co-location RF Exposure Evaluation.	

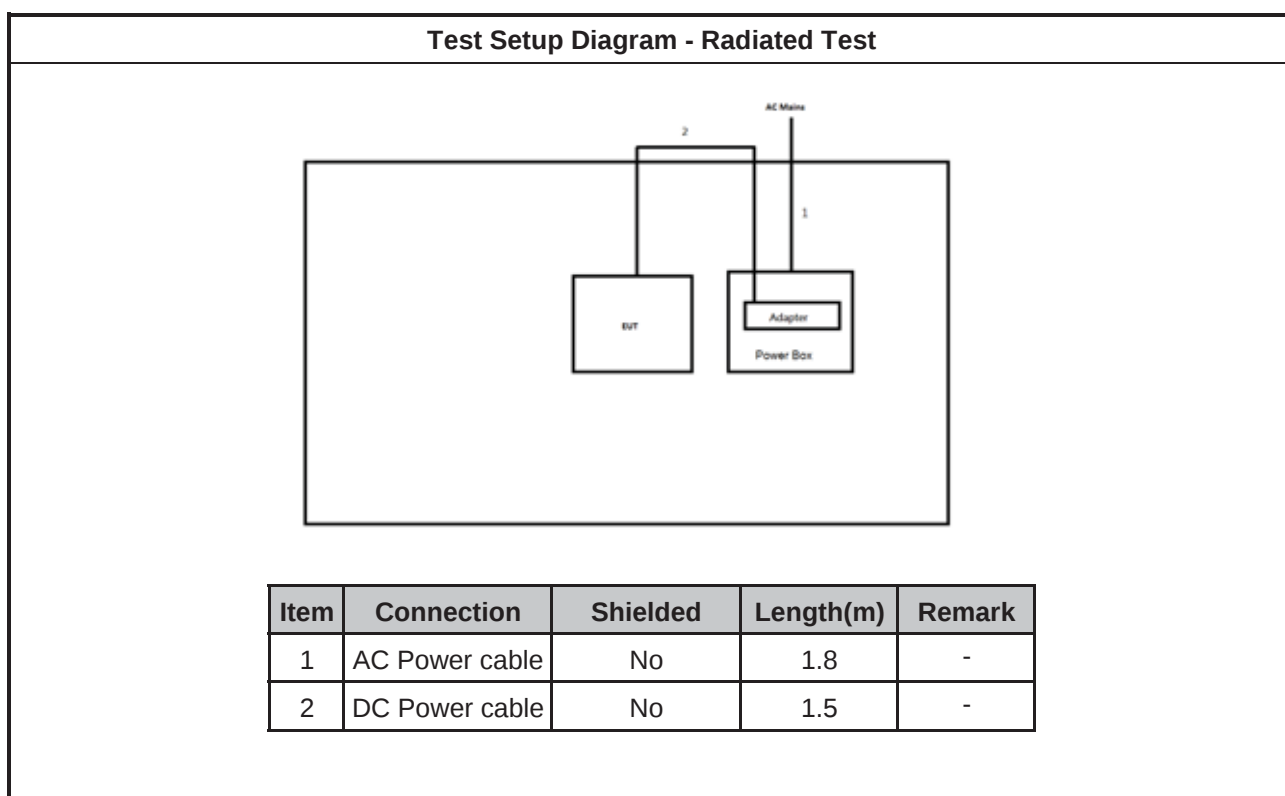
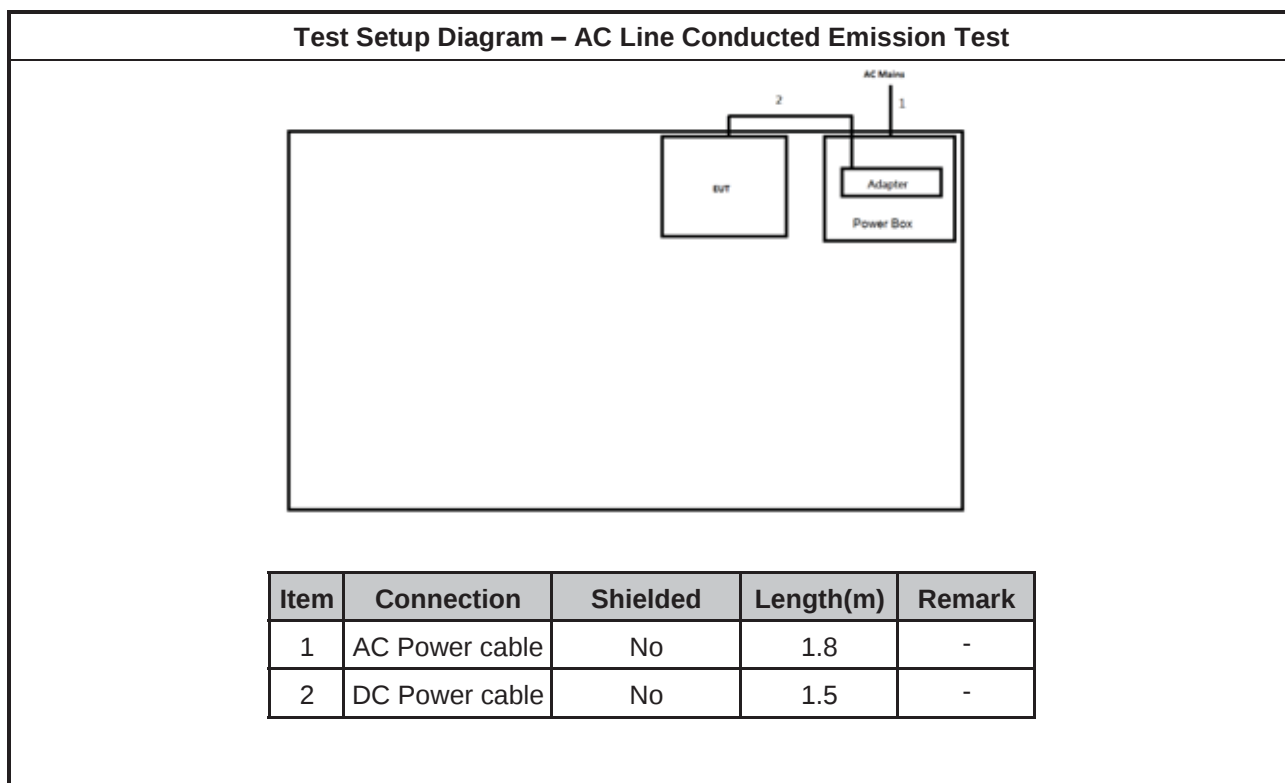
2.4 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	AC adapter	APD	WA-30J12R	-	Customer provided

Support Equipment –conducted emissions					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC adapter	APD	WA-30J12R	-	Customer provided

Support Equipment – Radiated emissions					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC adapter	APD	WA-30J12R	-	Customer provided

2.5 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

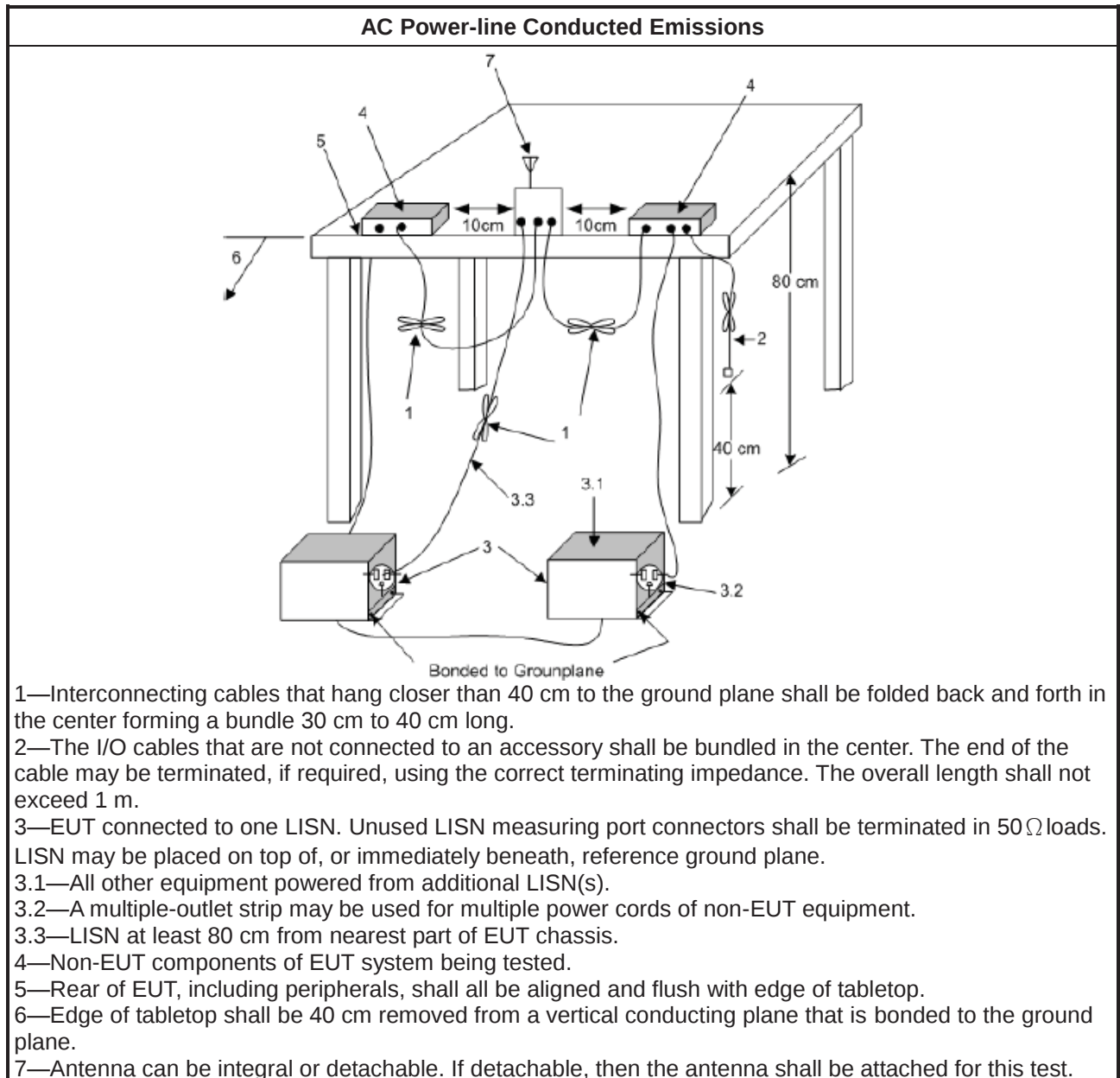
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 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, N/A
☐	For the 5.47-5.725 GHz band, N/A
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

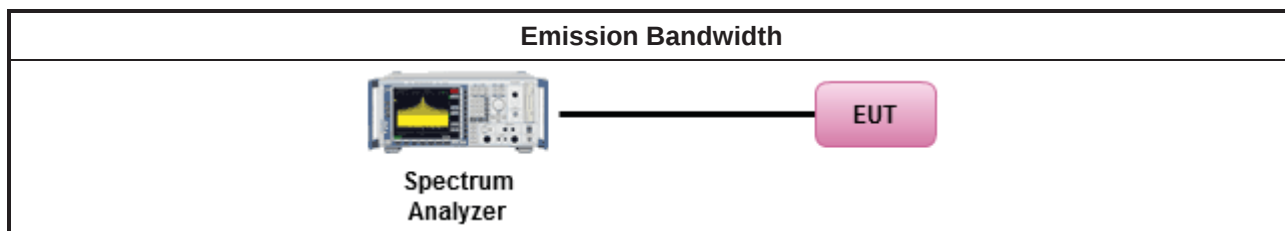
3.2.2 Measuring Instruments

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 6.7 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.	

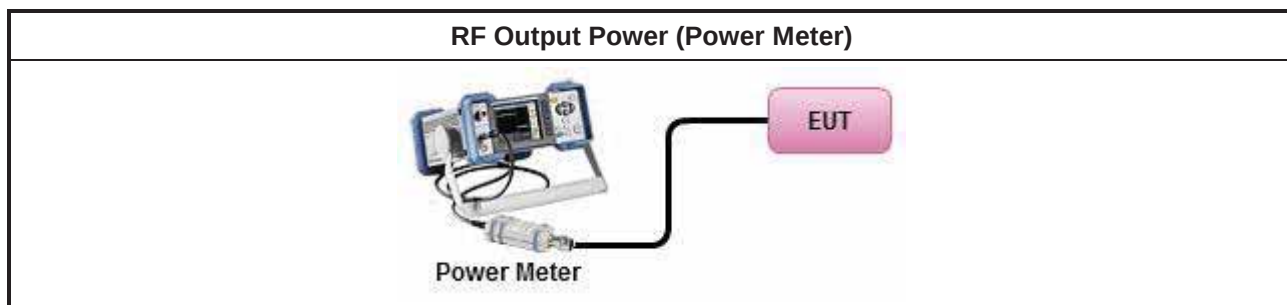
3.3.2 Measuring Instruments

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

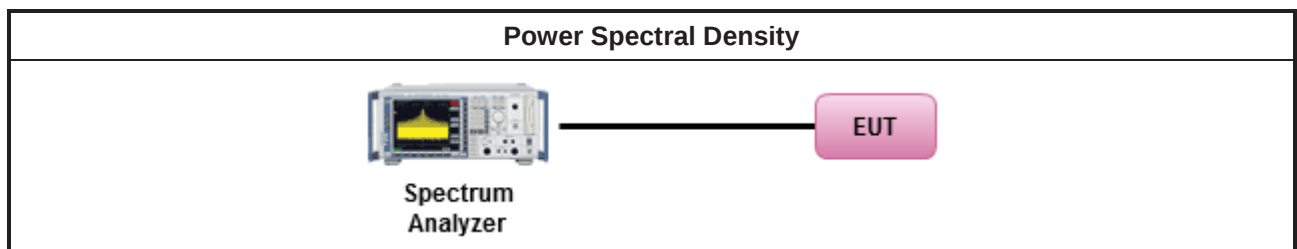
3.4.2 Measuring Instruments

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

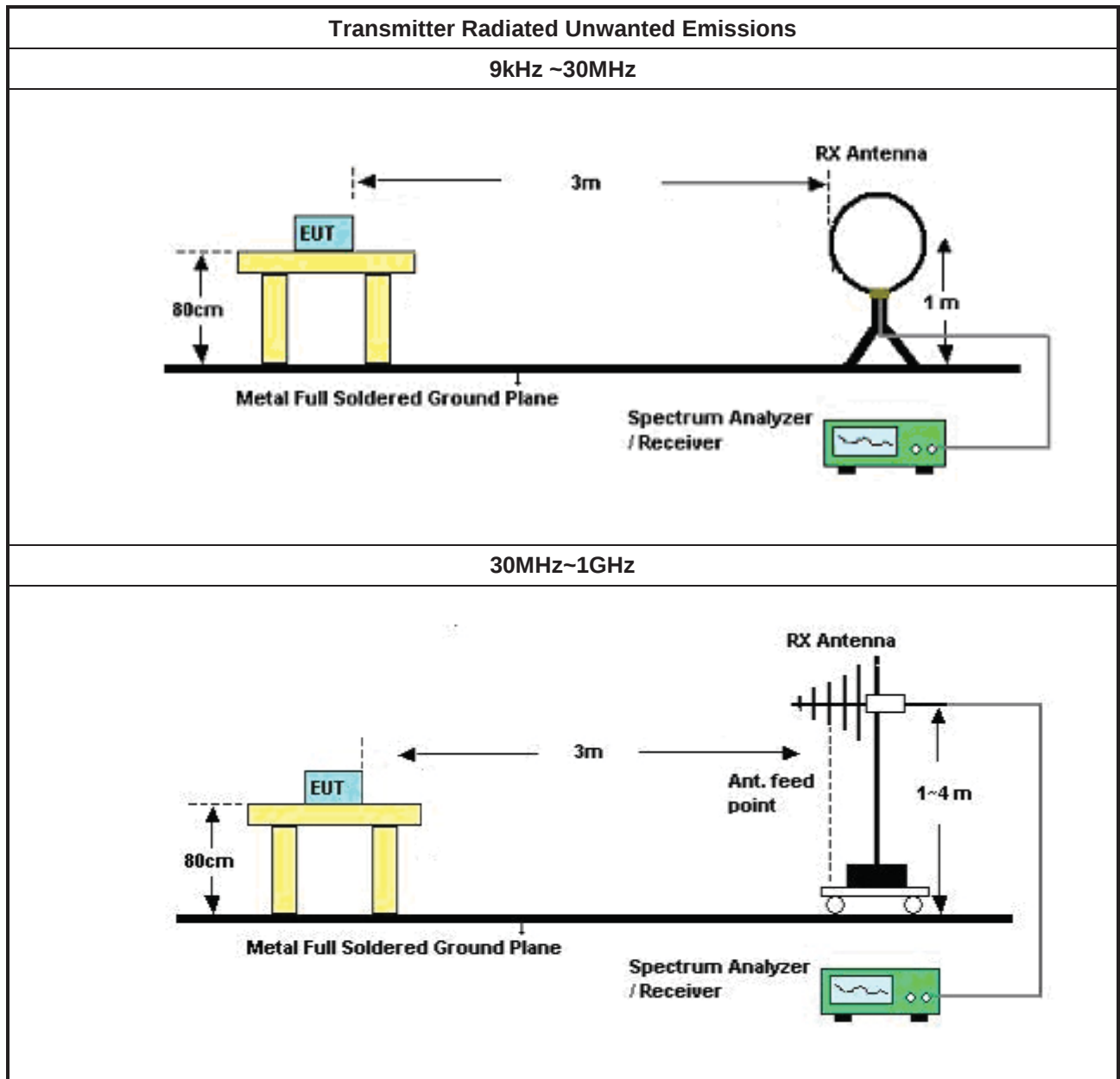
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 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.	
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

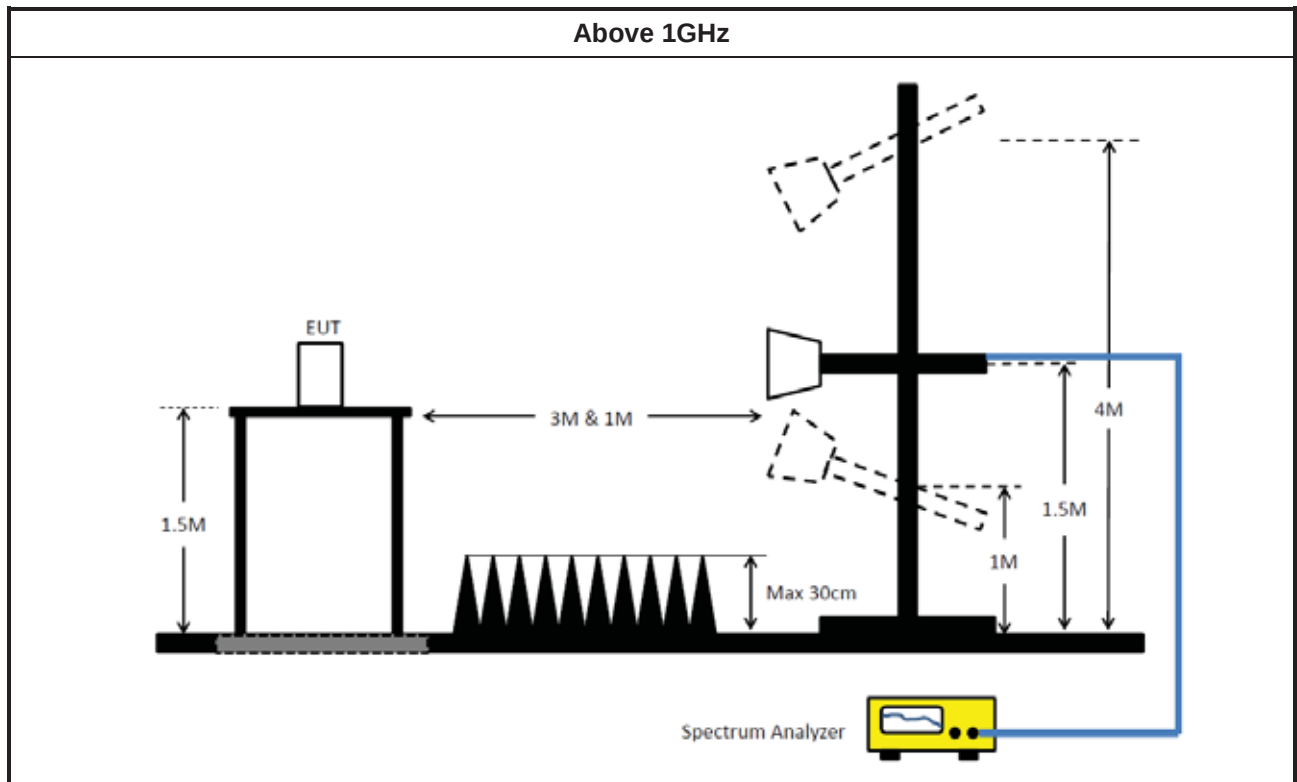
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.5.5 Test Setup





3.5.6 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.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	05/Nov/2019	04/Nov/2020
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	23/Sep/2019	22/Sep/2020
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	24/Sep/2019	23/Sep/2020

NCR: Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10KHz ~ 40GHz	01/Oct/2019	30/Sep/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	18/Mar/2020	17/Mar/2021
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	18/Mar/2020	17/Mar/2021

**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	06/Aug/2020	05/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	04/Aug/2020	03/Aug/2021
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	15/Aug/2019	14/Aug/2020
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	19/Aug/2020	18/Aug/2021
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	14/Apr/2020	13/Apr/2021
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz~26.5GHz	09/Sep/2019	08/Sep/2020
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270197	1GHz~26.5GHz	27/Nov/2019	26/Nov/2020
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	19/Apr/2020	18/Apr/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC K	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	26/Mar/2020	25/Mar/2021
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	19/Jun/2020	18/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz~1GHz	18/Mar/2020	17/Mar/2021
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	04/Aug/2020	03/Aug/2021
Broadband Horn Antenna	SCHWARZBEC K	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021



Conducted Emissions at Powerline_Radio 1

Appendix A.1

Summary

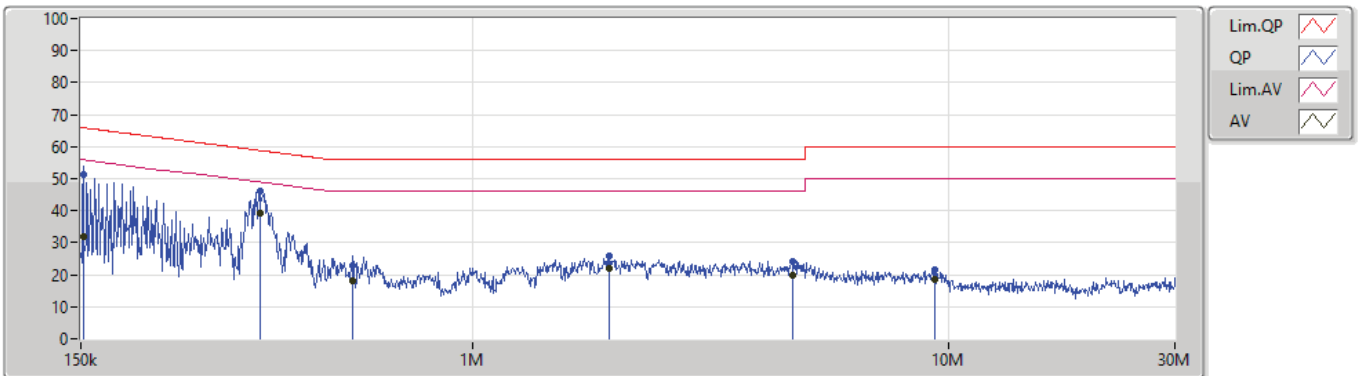
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	356.703k	39.39	48.81	-9.42	Line

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	151.807k	51.38	65.90	-14.52	Line	-
Mode 1	Pass	AV	151.807k	31.72	55.90	-24.18	Line	-
Mode 1	Pass	QP	356.703k	46.06	58.81	-12.75	Line	-
Mode 1	Pass	AV	356.703k	39.39	48.81	-9.42	Line	"Worst"
Mode 1	Pass	QP	560.037k	22.65	56.00	-33.35	Line	-
Mode 1	Pass	AV	560.037k	17.98	46.00	-28.02	Line	-
Mode 1	Pass	QP	1.938M	25.78	56.00	-30.22	Line	-
Mode 1	Pass	AV	1.938M	22.00	46.00	-24.00	Line	-
Mode 1	Pass	QP	4.702M	24.09	56.00	-31.91	Line	-
Mode 1	Pass	AV	4.702M	19.68	46.00	-26.32	Line	-
Mode 1	Pass	QP	9.38M	21.76	60.00	-38.24	Line	-
Mode 1	Pass	AV	9.38M	18.55	50.00	-31.45	Line	-
Mode 1	Pass	QP	156.734k	51.28	65.64	-14.36	Neutral	-
Mode 1	Pass	AV	156.734k	35.33	55.64	-20.31	Neutral	-
Mode 1	Pass	QP	351.053k	45.92	58.94	-13.02	Neutral	-
Mode 1	Pass	AV	351.053k	37.58	48.94	-11.36	Neutral	"Worst"
Mode 1	Pass	QP	589.868k	29.90	56.00	-26.10	Neutral	-
Mode 1	Pass	AV	589.868k	25.42	46.00	-20.58	Neutral	-
Mode 1	Pass	QP	1.104M	28.34	56.00	-27.66	Neutral	-
Mode 1	Pass	AV	1.104M	24.83	46.00	-21.17	Neutral	-
Mode 1	Pass	QP	4.5M	23.99	56.00	-32.01	Neutral	-
Mode 1	Pass	AV	4.5M	19.80	46.00	-26.20	Neutral	-
Mode 1	Pass	QP	8.835M	23.30	60.00	-36.70	Neutral	-
Mode 1	Pass	AV	8.835M	19.74	50.00	-30.26	Neutral	-

Conducted Emissions at Powerline_Mode 1

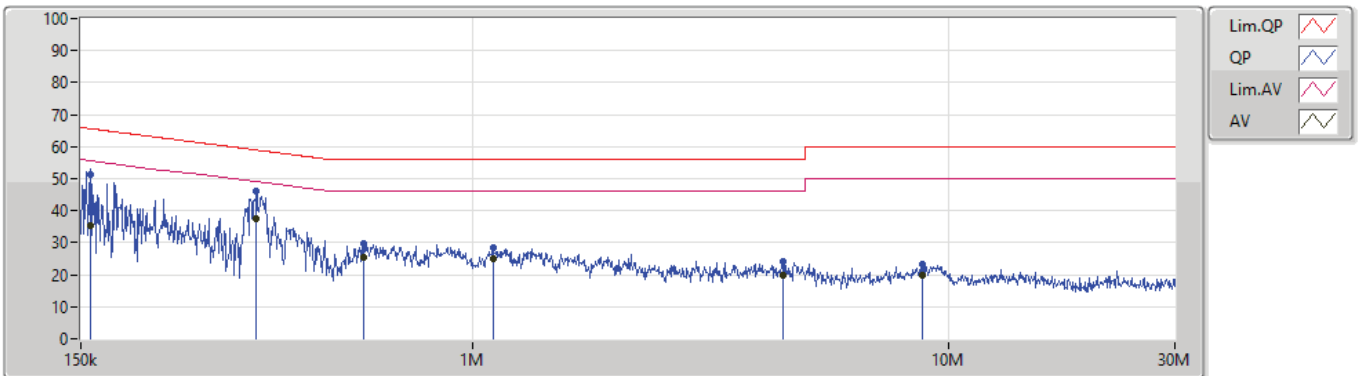
17/08/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	151.807k	51.38	65.90	-14.52	19.64	Line	-	31.74	9.66	0.11	9.87			
AV	151.807k	31.72	55.90	-24.18	19.64	Line	-	12.08	9.66	0.11	9.87			
QP	356.703k	46.06	58.81	-12.75	19.64	Line	-	26.42	9.64	0.13	9.87			
AV	356.703k	39.39	48.81	-9.42	19.64	Line	"Worst"	19.75	9.64	0.13	9.87			
QP	560.037k	22.65	56.00	-33.35	19.63	Line	-	3.02	9.64	0.12	9.87			
AV	560.037k	17.98	46.00	-28.02	19.63	Line	-	-1.65	9.64	0.12	9.87			
QP	1.938M	25.78	56.00	-30.22	19.66	Line	-	6.12	9.65	0.14	9.87			
AV	1.938M	22.00	46.00	-24.00	19.66	Line	-	2.34	9.65	0.14	9.87			
QP	4.702M	24.09	56.00	-31.91	19.75	Line	-	4.34	9.67	0.20	9.88			
AV	4.702M	19.68	46.00	-26.32	19.75	Line	-	-0.07	9.67	0.20	9.88			
QP	9.38M	21.76	60.00	-38.24	19.83	Line	-	1.93	9.69	0.26	9.88			
AV	9.38M	18.55	50.00	-31.45	19.83	Line	-	-1.28	9.69	0.26	9.88			

Conducted Emissions at Powerline_Mode 1

17/08/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	156.734k	51.28	65.64	-14.36	19.63	Neutral	-	31.65	9.65	0.11	9.87			
AV	156.734k	35.33	55.64	-20.31	19.63	Neutral	-	15.70	9.65	0.11	9.87			
QP	351.053k	45.92	58.94	-13.02	19.63	Neutral	-	26.29	9.63	0.13	9.87			
AV	351.053k	37.58	48.94	-11.36	19.63	Neutral	"Worst"	17.95	9.63	0.13	9.87			
QP	589.868k	29.90	56.00	-26.10	19.62	Neutral	-	10.28	9.63	0.12	9.87			
AV	589.868k	25.42	46.00	-20.58	19.62	Neutral	-	5.80	9.63	0.12	9.87			
QP	1.104M	28.34	56.00	-27.66	19.62	Neutral	-	8.72	9.63	0.11	9.88			
AV	1.104M	24.83	46.00	-21.17	19.62	Neutral	-	5.21	9.63	0.11	9.88			
QP	4.5M	23.99	56.00	-32.01	19.74	Neutral	-	4.25	9.67	0.19	9.88			
AV	4.5M	19.80	46.00	-26.20	19.74	Neutral	-	0.06	9.67	0.19	9.88			
QP	8.835M	23.30	60.00	-36.70	19.83	Neutral	-	3.47	9.69	0.26	9.88			
AV	8.835M	19.74	50.00	-30.26	19.83	Neutral	-	-0.09	9.69	0.26	9.88			



Conducted Emissions at Powerline_Radio 2

Appendix A.2

Summary

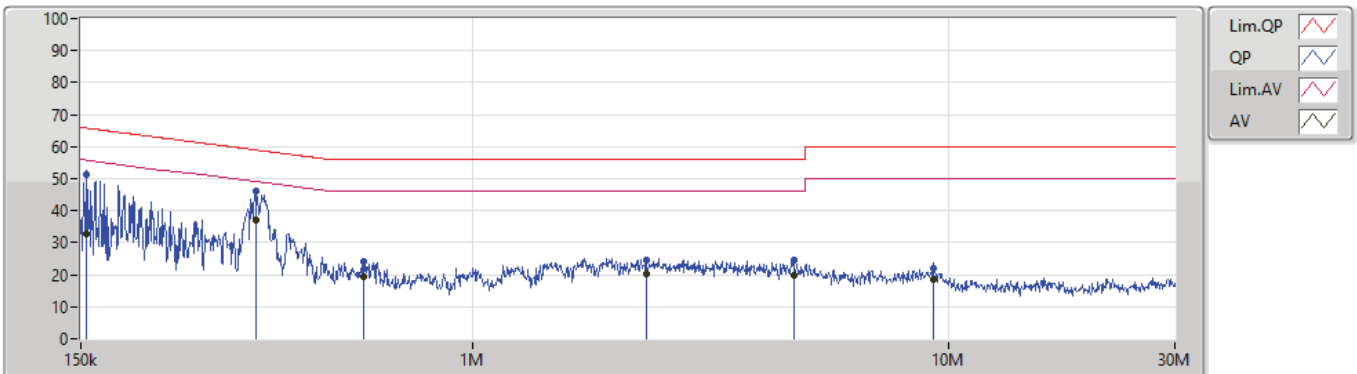
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	349.654k	37.27	48.96	-11.69	Line

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	153.636k	51.34	65.81	-14.47	Line	-
Mode 1	Pass	AV	153.636k	32.66	55.81	-23.15	Line	-
Mode 1	Pass	QP	349.654k	46.08	58.96	-12.88	Line	-
Mode 1	Pass	AV	349.654k	37.27	48.96	-11.69	Line	"Worst"
Mode 1	Pass	QP	589.868k	23.96	56.00	-32.04	Line	-
Mode 1	Pass	AV	589.868k	19.20	46.00	-26.80	Line	-
Mode 1	Pass	QP	2.32M	24.58	56.00	-31.42	Line	-
Mode 1	Pass	AV	2.32M	20.24	46.00	-25.76	Line	-
Mode 1	Pass	QP	4.74M	24.73	56.00	-31.27	Line	-
Mode 1	Pass	AV	4.74M	20.01	46.00	-25.99	Line	-
Mode 1	Pass	QP	9.343M	22.17	60.00	-37.83	Line	-
Mode 1	Pass	AV	9.343M	18.60	50.00	-31.40	Line	-
Mode 1	Pass	QP	157.99k	50.45	65.56	-15.11	Neutral	-
Mode 1	Pass	AV	157.99k	34.92	55.56	-20.64	Neutral	-
Mode 1	Pass	QP	349.654k	45.92	58.96	-13.04	Neutral	-
Mode 1	Pass	AV	349.654k	37.15	48.96	-11.81	Neutral	"Worst"
Mode 1	Pass	QP	594.596k	30.23	56.00	-25.77	Neutral	-
Mode 1	Pass	AV	594.596k	25.44	46.00	-20.56	Neutral	-
Mode 1	Pass	QP	991.146k	26.46	56.00	-29.54	Neutral	-
Mode 1	Pass	AV	991.146k	22.23	46.00	-23.77	Neutral	-
Mode 1	Pass	QP	4.341M	23.81	56.00	-32.19	Neutral	-
Mode 1	Pass	AV	4.341M	19.39	46.00	-26.61	Neutral	-
Mode 1	Pass	QP	8.028M	21.67	60.00	-38.33	Neutral	-
Mode 1	Pass	AV	8.028M	18.34	50.00	-31.66	Neutral	-

Conducted Emissions at Powerline_Mode 1

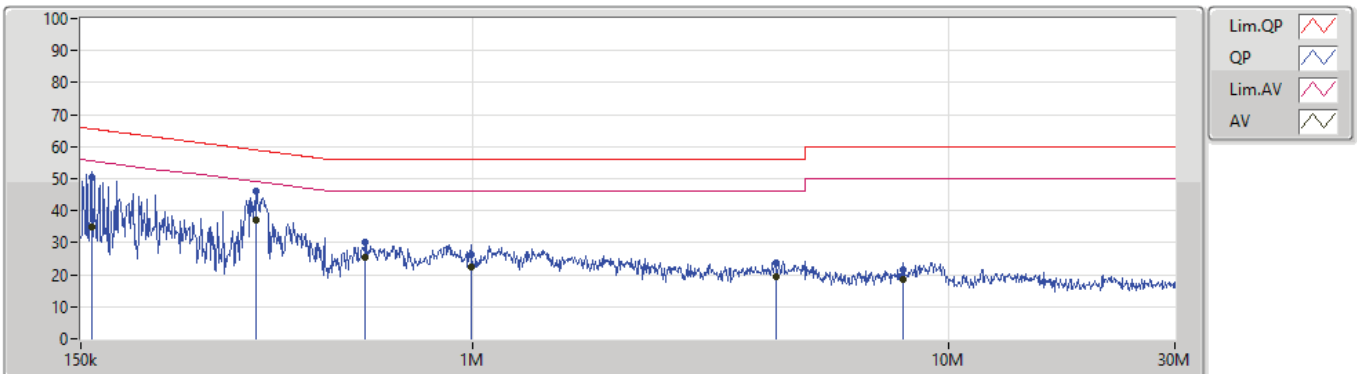
17/08/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	153.636k	51.34	65.81	-14.47	19.64	Line	-	31.70	9.66	0.11	9.87			
AV	153.636k	32.66	55.81	-23.15	19.64	Line	-	13.02	9.66	0.11	9.87			
QP	349.654k	46.08	58.96	-12.88	19.64	Line	-	26.44	9.64	0.13	9.87			
AV	349.654k	37.27	48.96	-11.69	19.64	Line	"Worst"	17.63	9.64	0.13	9.87			
QP	589.868k	23.96	56.00	-32.04	19.63	Line	-	4.33	9.64	0.12	9.87			
AV	589.868k	19.20	46.00	-26.80	19.63	Line	-	-0.43	9.64	0.12	9.87			
QP	2.32M	24.58	56.00	-31.42	19.67	Line	-	4.91	9.65	0.15	9.87			
AV	2.32M	20.24	46.00	-25.76	19.67	Line	-	0.57	9.65	0.15	9.87			
QP	4.74M	24.73	56.00	-31.27	19.75	Line	-	4.98	9.67	0.20	9.88			
AV	4.74M	20.01	46.00	-25.99	19.75	Line	-	0.26	9.67	0.20	9.88			
QP	9.343M	22.17	60.00	-37.83	19.83	Line	-	2.34	9.69	0.26	9.88			
AV	9.343M	18.60	50.00	-31.40	19.83	Line	-	-1.23	9.69	0.26	9.88			

Conducted Emissions at Powerline_Mode 1

17/08/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	157.99k	50.45	65.56	-15.11	19.63	Neutral	-	30.82	9.65	0.11	9.87			
AV	157.99k	34.92	55.56	-20.64	19.63	Neutral	-	15.29	9.65	0.11	9.87			
QP	349.654k	45.92	58.96	-13.04	19.63	Neutral	-	26.29	9.63	0.13	9.87			
AV	349.654k	37.15	48.96	-11.81	19.63	Neutral	"Worst"	17.52	9.63	0.13	9.87			
QP	594.596k	30.23	56.00	-25.77	19.62	Neutral	-	10.61	9.63	0.12	9.87			
AV	594.596k	25.44	46.00	-20.56	19.62	Neutral	-	5.82	9.63	0.12	9.87			
QP	991.146k	26.46	56.00	-29.54	19.62	Neutral	-	6.84	9.63	0.11	9.88			
AV	991.146k	22.23	46.00	-23.77	19.62	Neutral	-	2.61	9.63	0.11	9.88			
QP	4.341M	23.81	56.00	-32.19	19.73	Neutral	-	4.08	9.66	0.19	9.88			
AV	4.341M	19.39	46.00	-26.61	19.73	Neutral	-	-0.34	9.66	0.19	9.88			
QP	8.028M	21.67	60.00	-38.33	19.82	Neutral	-	1.85	9.69	0.25	9.88			
AV	8.028M	18.34	50.00	-31.66	19.82	Neutral	-	-1.48	9.69	0.25	9.88			



Conducted Emissions at Powerline_Radio 3

Appendix A.3

Summary

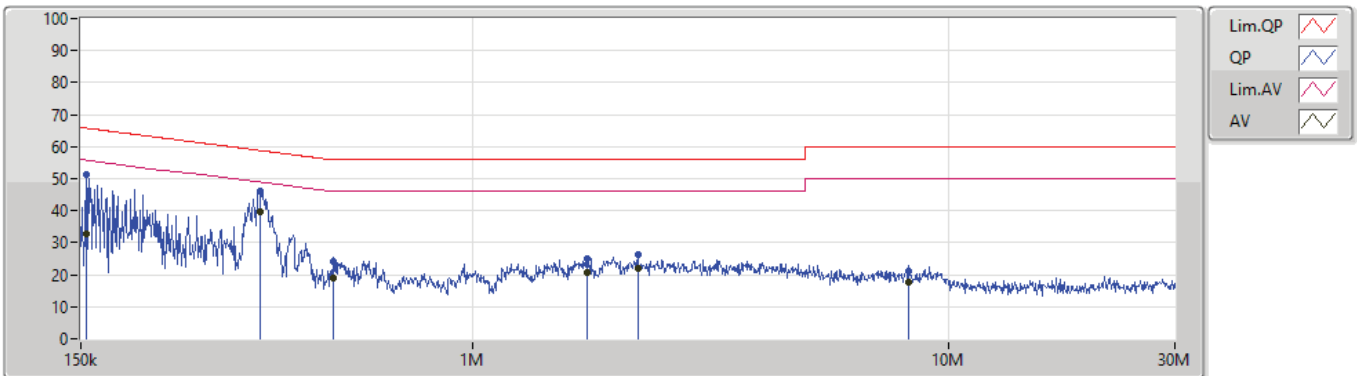
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	358.13k	39.77	48.77	-9.00	Line

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	153.636k	51.10	65.81	-14.71	Line	-
Mode 1	Pass	AV	153.636k	32.72	55.81	-23.09	Line	-
Mode 1	Pass	QP	358.13k	46.06	58.77	-12.71	Line	-
Mode 1	Pass	AV	358.13k	39.77	48.77	-9.00	Line	"Worst"
Mode 1	Pass	QP	510.906k	24.10	56.00	-31.90	Line	-
Mode 1	Pass	AV	510.906k	18.91	46.00	-27.09	Line	-
Mode 1	Pass	QP	1.747M	25.01	56.00	-30.99	Line	-
Mode 1	Pass	AV	1.747M	20.87	46.00	-25.13	Line	-
Mode 1	Pass	QP	2.229M	26.20	56.00	-29.80	Line	-
Mode 1	Pass	AV	2.229M	21.87	46.00	-24.13	Line	-
Mode 1	Pass	QP	8.255M	21.16	60.00	-38.84	Line	-
Mode 1	Pass	AV	8.255M	17.77	50.00	-32.23	Line	-
Mode 1	Pass	QP	157.99k	50.62	65.56	-14.94	Neutral	-
Mode 1	Pass	AV	157.99k	35.03	55.56	-20.53	Neutral	-
Mode 1	Pass	QP	351.053k	45.98	58.94	-12.96	Neutral	-
Mode 1	Pass	AV	351.053k	37.55	48.94	-11.39	Neutral	"Worst"
Mode 1	Pass	QP	562.277k	29.08	56.00	-26.92	Neutral	-
Mode 1	Pass	AV	562.277k	24.00	46.00	-22.00	Neutral	-
Mode 1	Pass	QP	1.135M	29.02	56.00	-26.98	Neutral	-
Mode 1	Pass	AV	1.135M	25.80	46.00	-20.20	Neutral	-
Mode 1	Pass	QP	4.855M	24.24	56.00	-31.76	Neutral	-
Mode 1	Pass	AV	4.855M	19.65	46.00	-26.35	Neutral	-
Mode 1	Pass	QP	9.306M	24.39	60.00	-35.61	Neutral	-
Mode 1	Pass	AV	9.306M	20.71	50.00	-29.29	Neutral	-

Conducted Emissions at Powerline_Mode 1

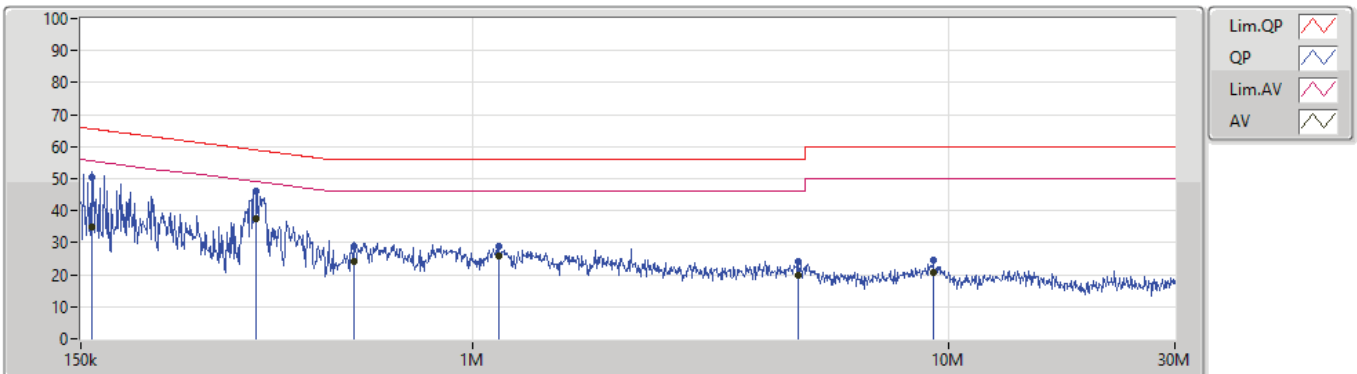
17/08/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	153.636k	51.10	65.81	-14.71	19.64	Line	-	31.46	9.66	0.11	9.87			
AV	153.636k	32.72	55.81	-23.09	19.64	Line	-	13.08	9.66	0.11	9.87			
QP	358.13k	46.06	58.77	-12.71	19.64	Line	-	26.42	9.64	0.13	9.87			
AV	358.13k	39.77	48.77	-9.00	19.64	Line	"Worst"	20.13	9.64	0.13	9.87			
QP	510.906k	24.10	56.00	-31.90	19.63	Line	-	4.47	9.64	0.12	9.87			
AV	510.906k	18.91	46.00	-27.09	19.63	Line	-	-0.72	9.64	0.12	9.87			
QP	1.747M	25.01	56.00	-30.99	19.65	Line	-	5.36	9.65	0.13	9.87			
AV	1.747M	20.87	46.00	-25.13	19.65	Line	-	1.22	9.65	0.13	9.87			
QP	2.229M	26.20	56.00	-29.80	19.67	Line	-	6.53	9.65	0.15	9.87			
AV	2.229M	21.87	46.00	-24.13	19.67	Line	-	2.20	9.65	0.15	9.87			
QP	8.255M	21.16	60.00	-38.84	19.81	Line	-	1.35	9.68	0.25	9.88			
AV	8.255M	17.77	50.00	-32.23	19.81	Line	-	-2.04	9.68	0.25	9.88			

Conducted Emissions at Powerline_Mode 1

17/08/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	157.99k	50.62	65.56	-14.94	19.63	Neutral	-	30.99	9.65	0.11	9.87			
AV	157.99k	35.03	55.56	-20.53	19.63	Neutral	-	15.40	9.65	0.11	9.87			
QP	351.053k	45.98	58.94	-12.96	19.63	Neutral	-	26.35	9.63	0.13	9.87			
AV	351.053k	37.55	48.94	-11.39	19.63	Neutral	"Worst"	17.92	9.63	0.13	9.87			
QP	562.277k	29.08	56.00	-26.92	19.62	Neutral	-	9.46	9.63	0.12	9.87			
AV	562.277k	24.00	46.00	-22.00	19.62	Neutral	-	4.38	9.63	0.12	9.87			
QP	1.135M	29.02	56.00	-26.98	19.63	Neutral	-	9.39	9.63	0.12	9.88			
AV	1.135M	25.80	46.00	-20.20	19.63	Neutral	-	6.17	9.63	0.12	9.88			
QP	4.855M	24.24	56.00	-31.76	19.75	Neutral	-	4.49	9.67	0.20	9.88			
AV	4.855M	19.65	46.00	-26.35	19.75	Neutral	-	-0.10	9.67	0.20	9.88			
QP	9.306M	24.39	60.00	-35.61	19.84	Neutral	-	4.55	9.70	0.26	9.88			
AV	9.306M	20.71	50.00	-29.29	19.84	Neutral	-	0.87	9.70	0.26	9.88			

**Summary**

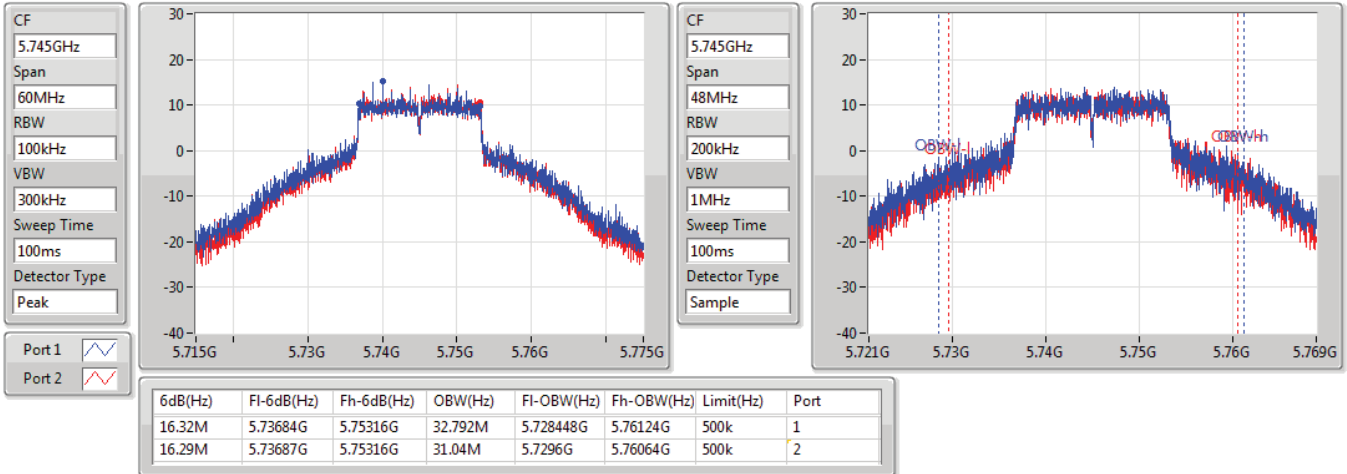
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.47M	34.831M	34M8D1D	16.26M	31.04M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.58M	36.582M	36M6D1D	16.95M	32.768M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.36M	54.645M	54M6D1D	36M	36.702M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.72M	75.802M	75M8D1D	75.12M	75.802M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.69M	37.397M	37M4D1D	16.2M	33.295M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.26M	55.316M	55M3D1D	36.66M	37.901M
802.11ax HEW80_Nss1,(MCS0)_2TX	75.48M	77.049M	77M0D1D	75.48M	76.954M

**Result**

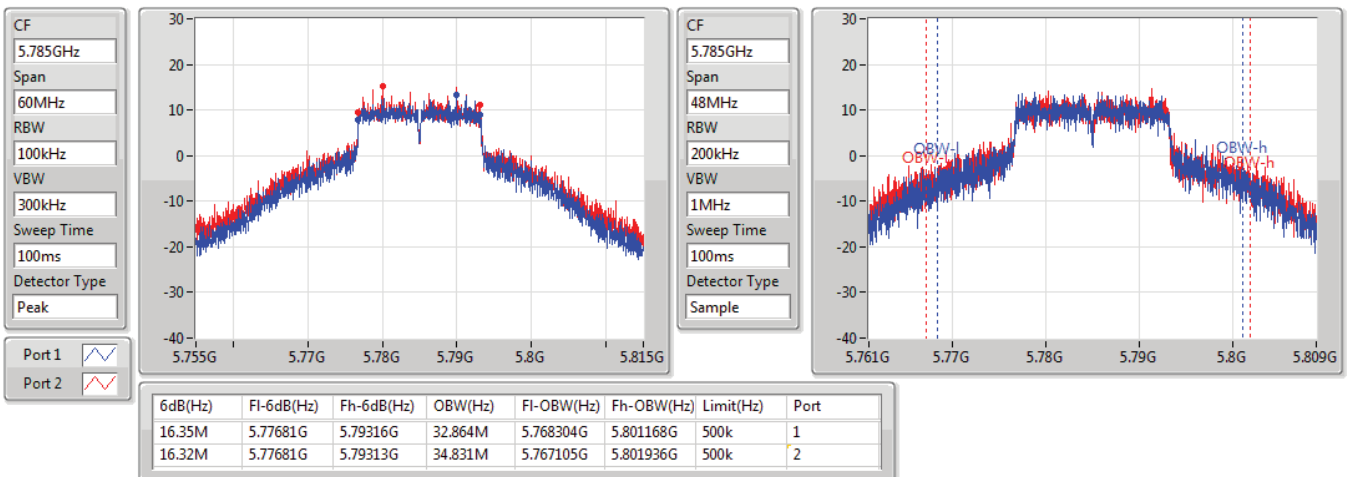
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz	Pass	500k	16.32M	32.792M	16.29M	31.04M
5785MHz	Pass	500k	16.35M	32.864M	16.32M	34.831M
5825MHz	Pass	500k	16.26M	32.792M	16.47M	34.543M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	500k	17.55M	34.087M	17.55M	32.768M
5785MHz	Pass	500k	17.13M	34.879M	16.95M	36.582M
5825MHz	Pass	500k	17.58M	34.687M	17.52M	35.91M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	500k	36.06M	36.798M	36.36M	36.702M
5795MHz	Pass	500k	36M	49.607M	36.06M	54.645M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	500k	75.12M	75.802M	75.72M	75.802M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	500k	18.6M	35.886M	16.2M	33.295M
5785MHz	Pass	500k	16.8M	36.174M	17.28M	37.397M
5825MHz	Pass	500k	16.62M	35.91M	18.69M	37.061M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	500k	36.72M	38.141M	36.66M	37.901M
5795MHz	Pass	500k	37.2M	49.319M	37.26M	55.316M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	500k	75.48M	76.954M	75.48M	77.049M

802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

08/09/2020

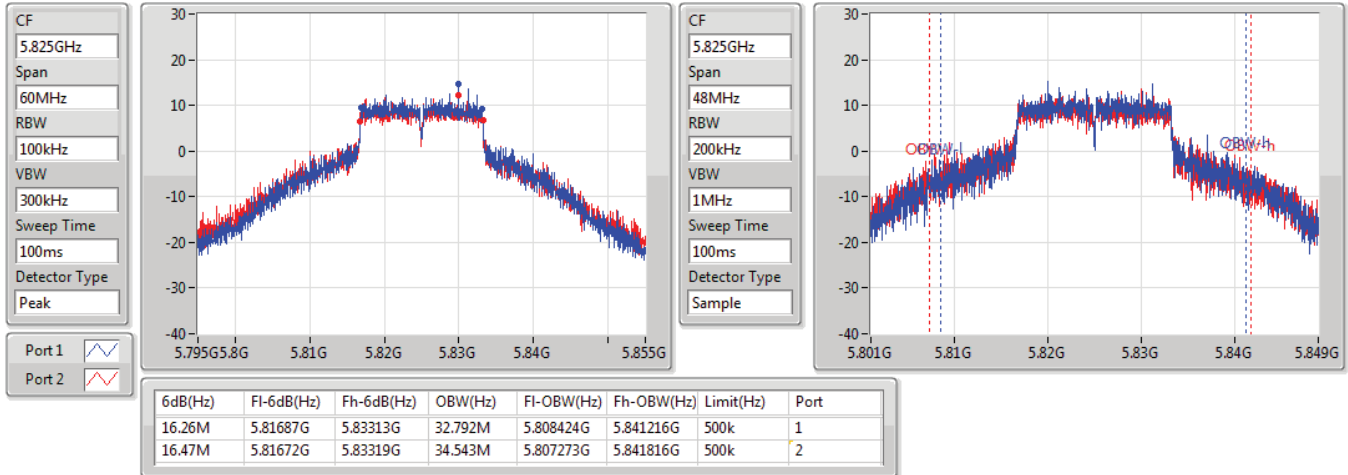

802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz

08/09/2020

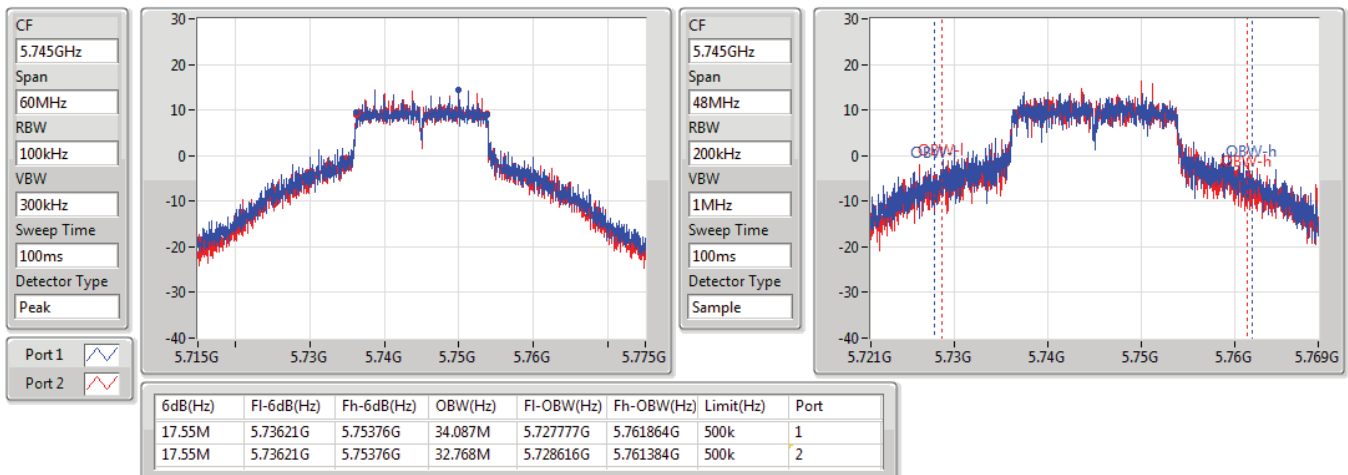


802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz

08/09/2020

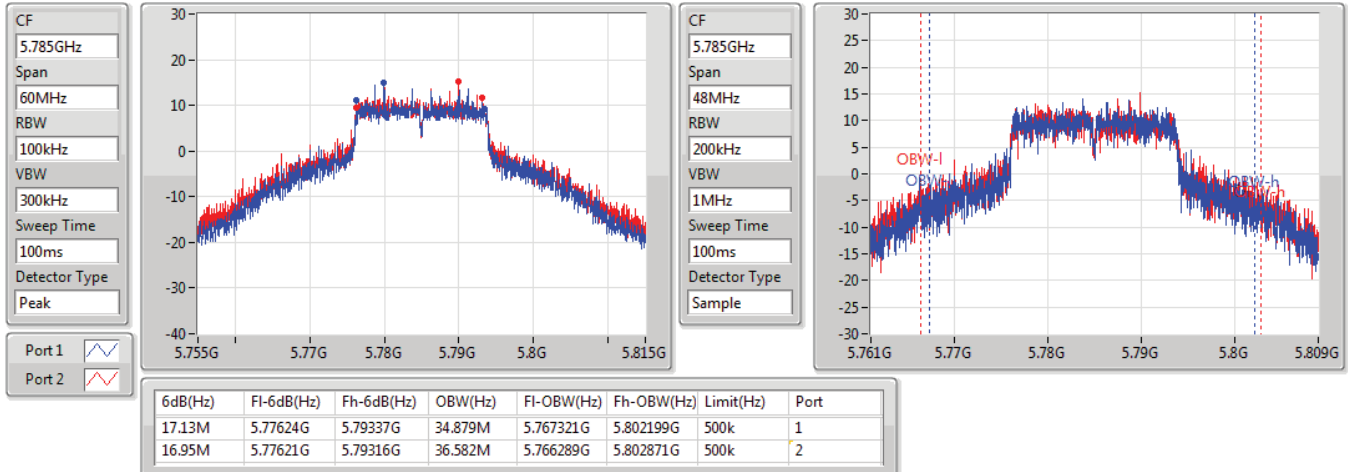

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5745MHz

08/09/2020

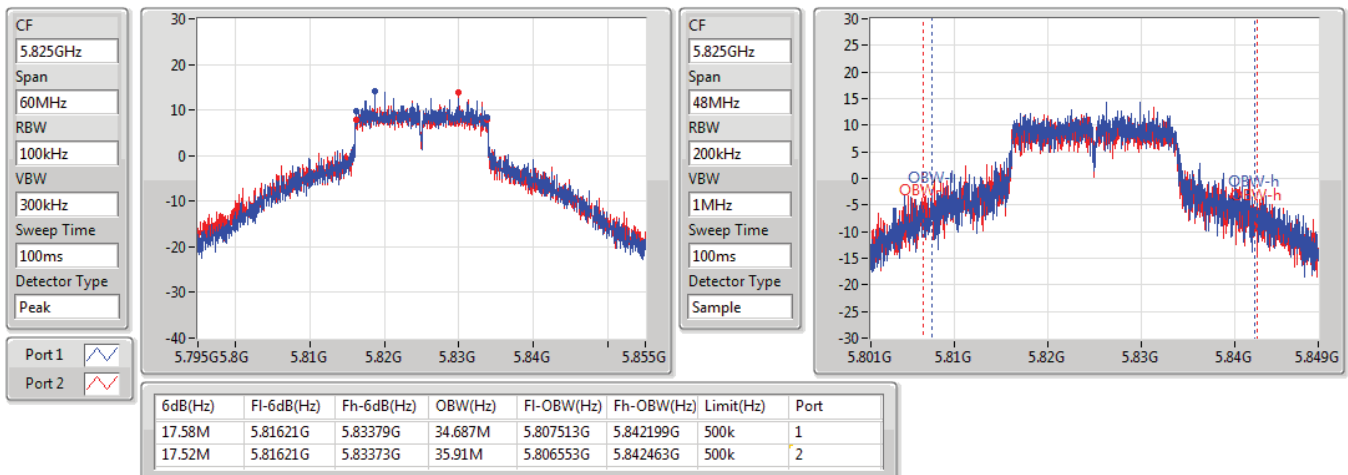


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5785MHz

08/09/2020

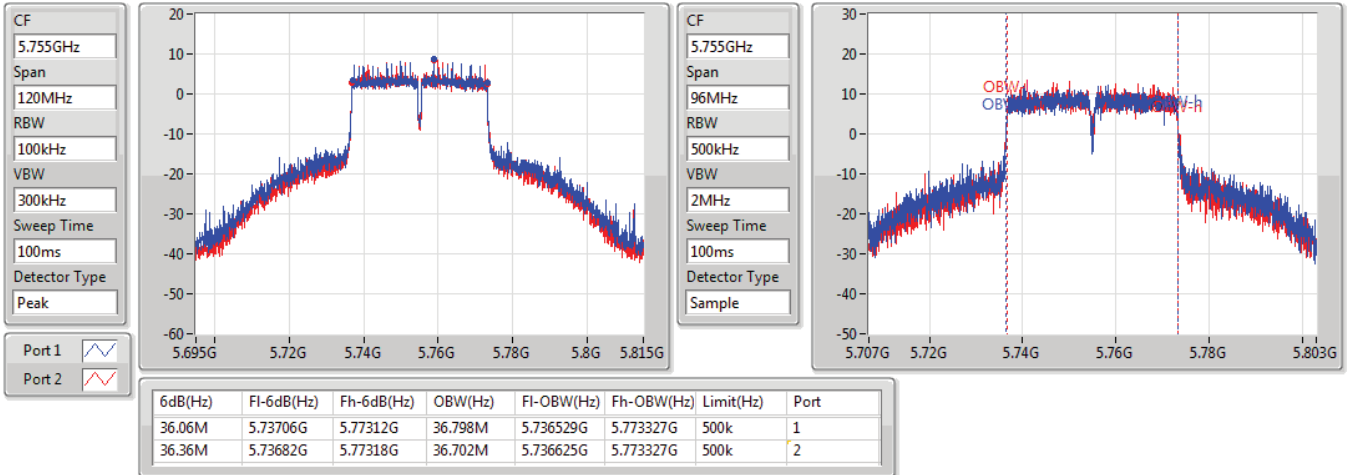

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5825MHz

08/09/2020

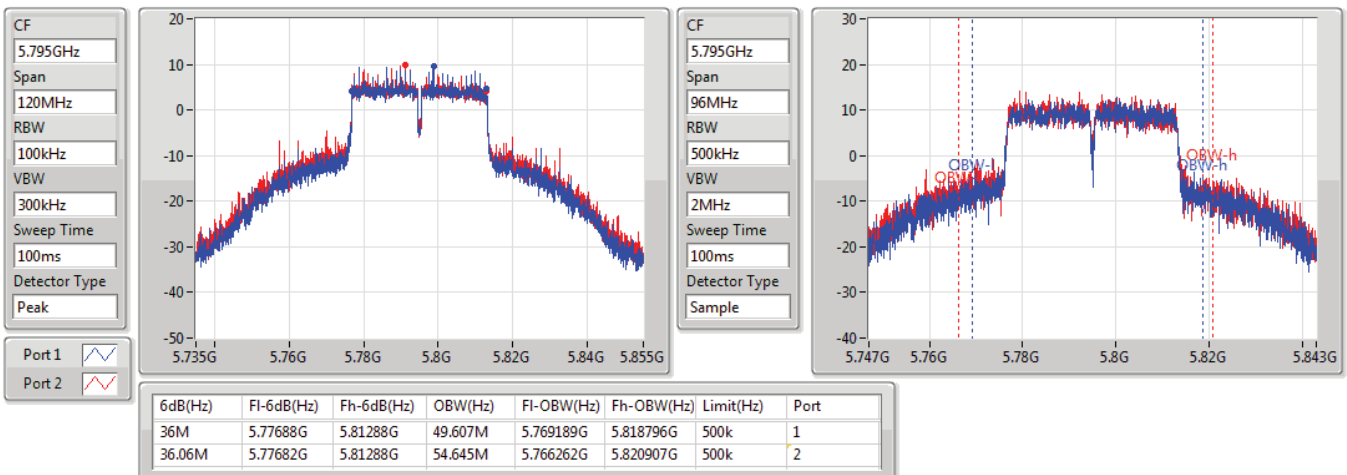


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5755MHz

08/09/2020

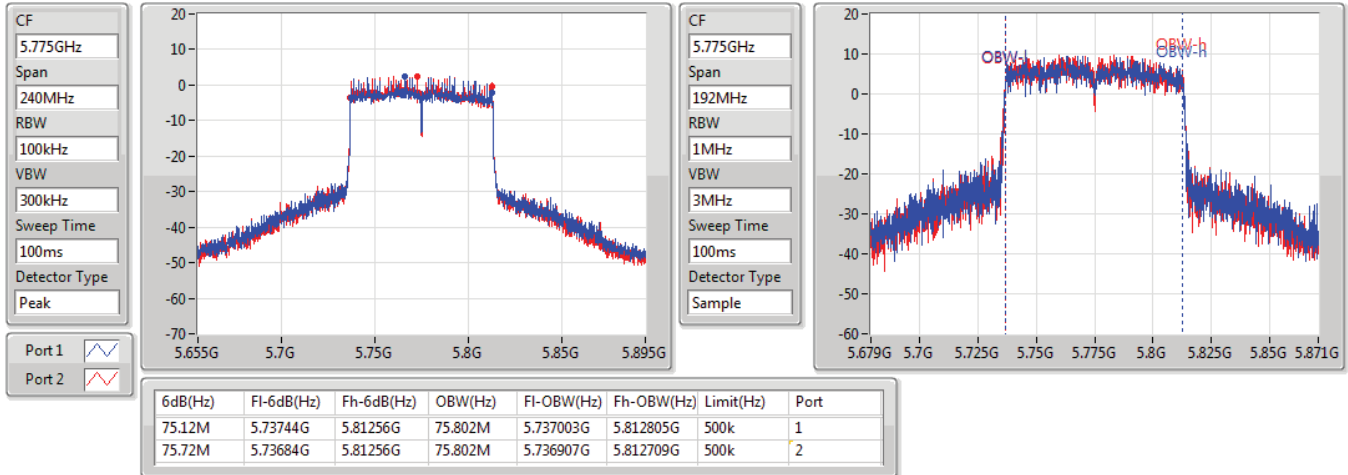

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5795MHz

08/09/2020

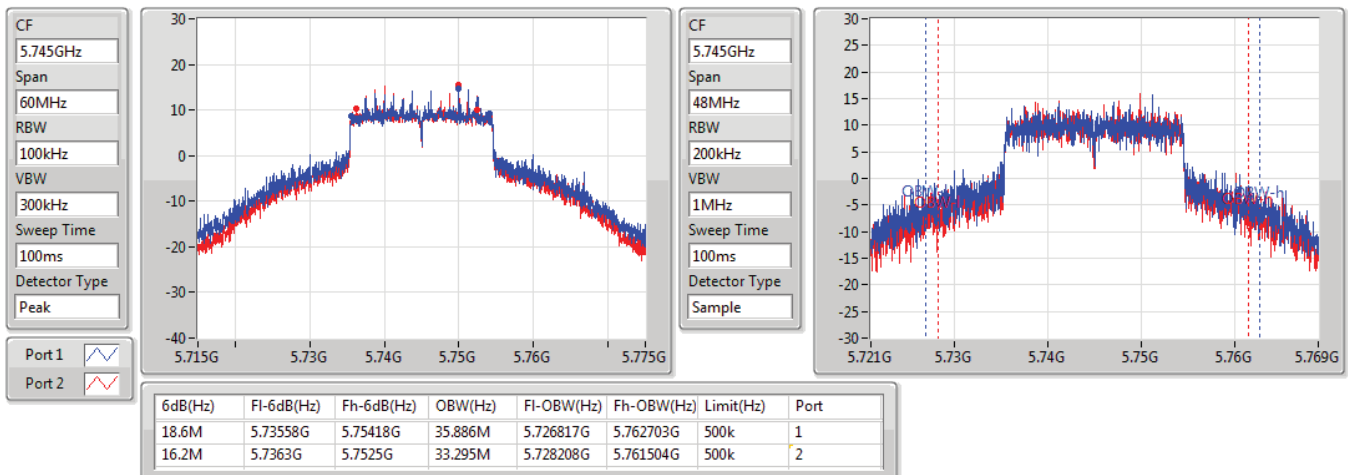


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5775MHz

08/09/2020

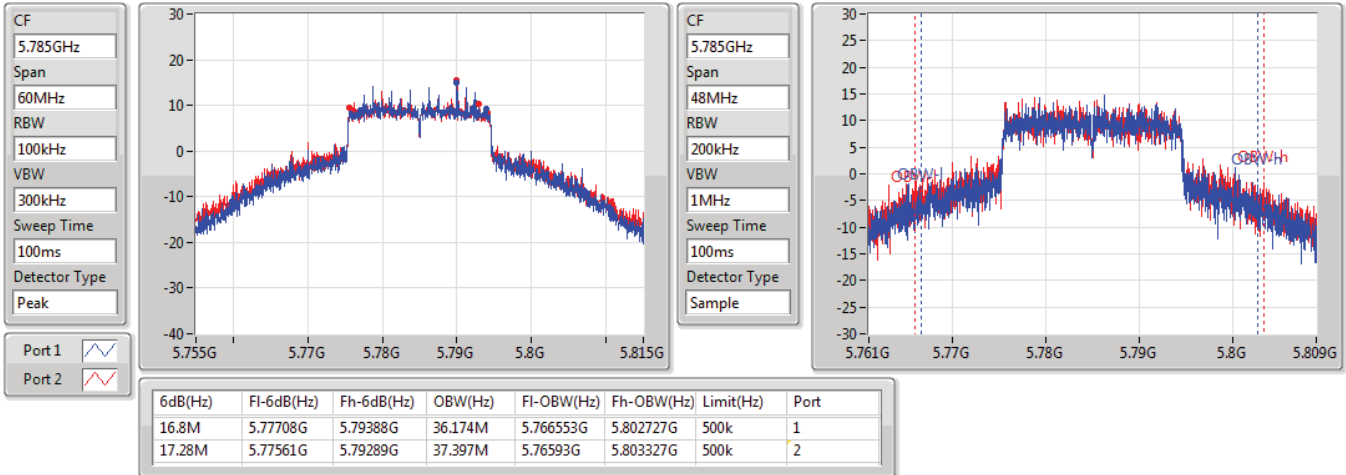

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5745MHz

08/09/2020

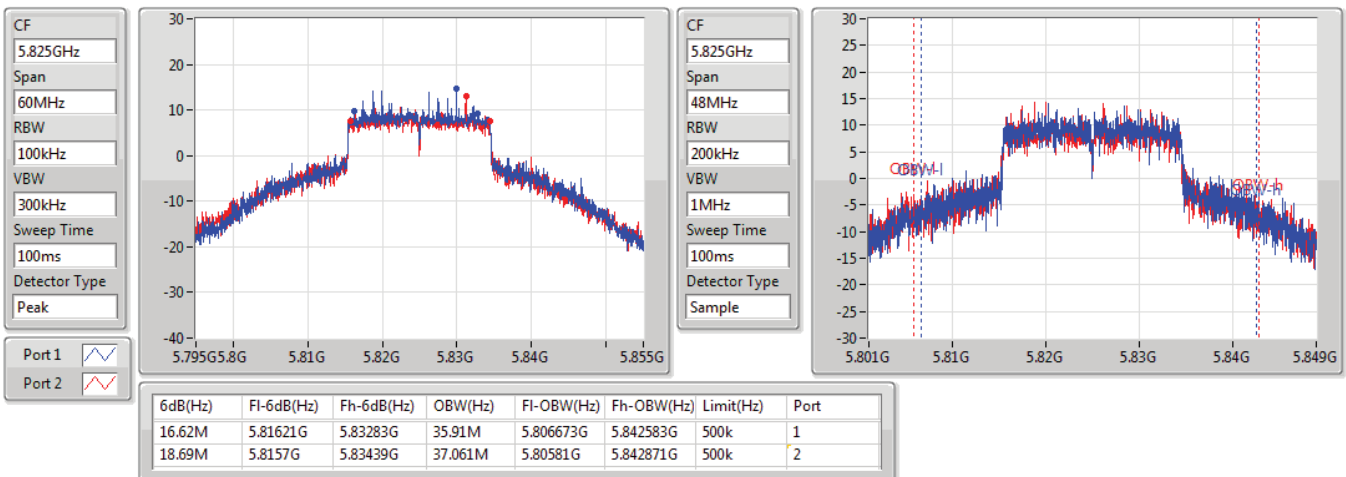


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5785MHz

08/09/2020

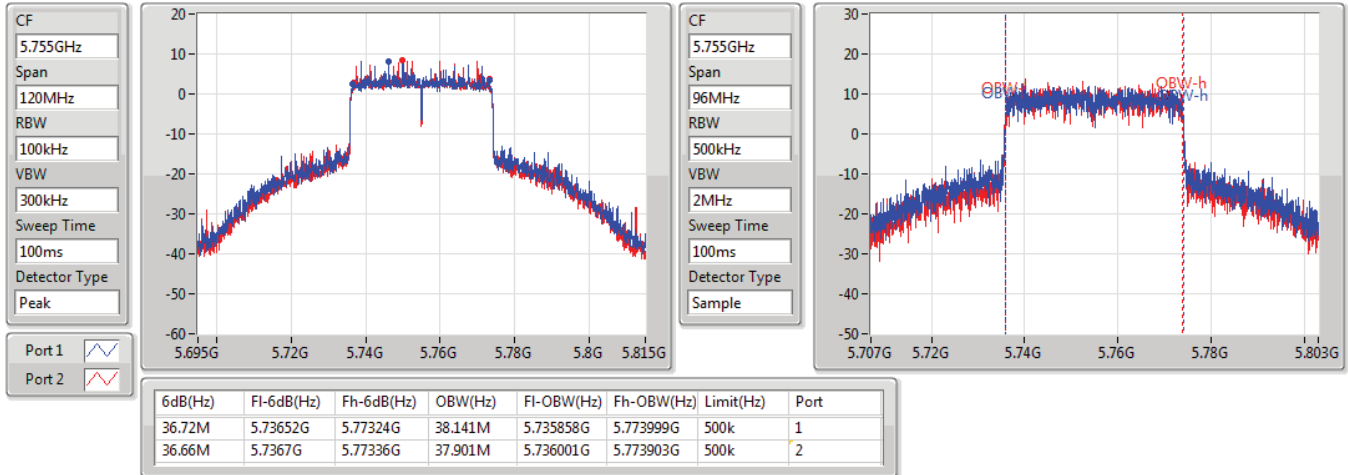

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5825MHz

08/09/2020

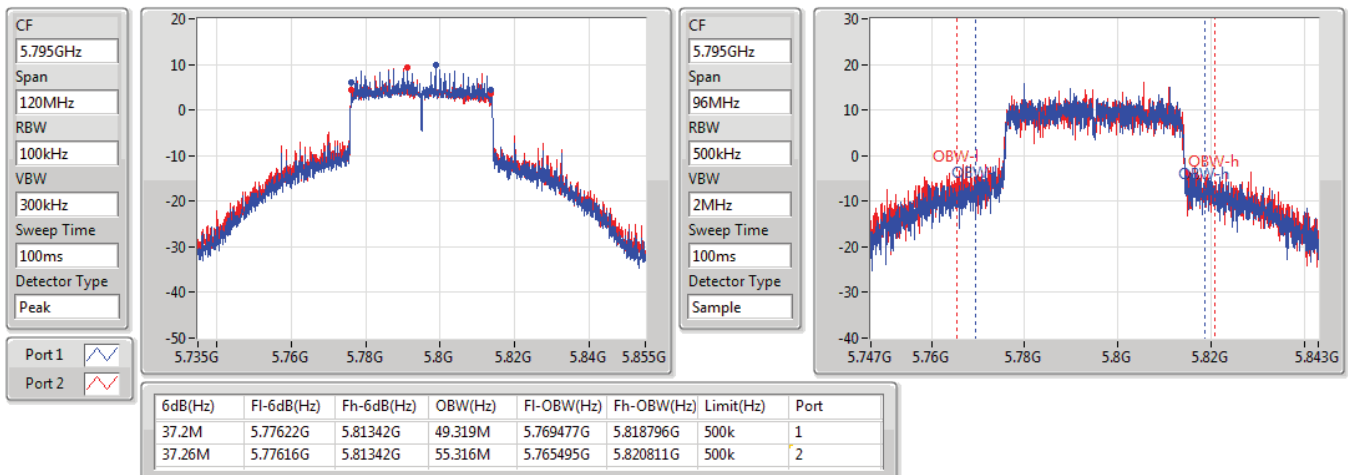


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5755MHz

08/09/2020


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5795MHz

08/09/2020

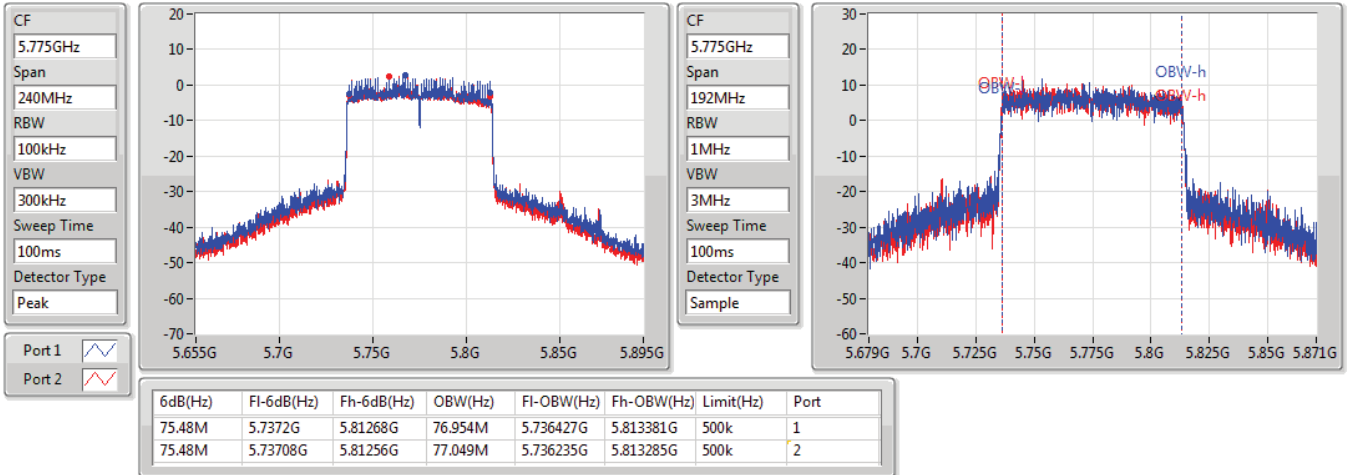


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

08/09/2020



**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)_2TX	22.32M	16.6M	16M6D1D	21.33M	16.552M
802.11ac VHT20_Nss1,(MCS0)_2TX	23.19M	17.799M	17M8D1D	21.45M	17.703M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.32M	36.27M	36M3D1D	39.84M	36.222M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.72M	75.706M	75M7D1D	81.36M	75.61M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.75M	18.975M	19M0D1D	21.39M	18.927M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.08M	37.565M	37M6D1D	39.84M	37.469M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.08M	77.049M	77M0D1D	81.48M	76.954M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.32M	37.085M	37M1D1D	16.29M	24.804M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.55M	38.381M	38M4D1D	16.92M	26.699M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.3M	44.954M	45M0D1D	36.3M	36.99M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.36M	90.675M	90M7D1D	75.12M	82.999M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.81M	39.724M	39M7D1D	16.77M	27.898M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.26M	45.145M	45M1D1D	37.2M	38.093M
802.11ax HEW80_Nss1,(MCS0)_2TX	75.24M	98.159M	98M2D1D	73.68M	90.579M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

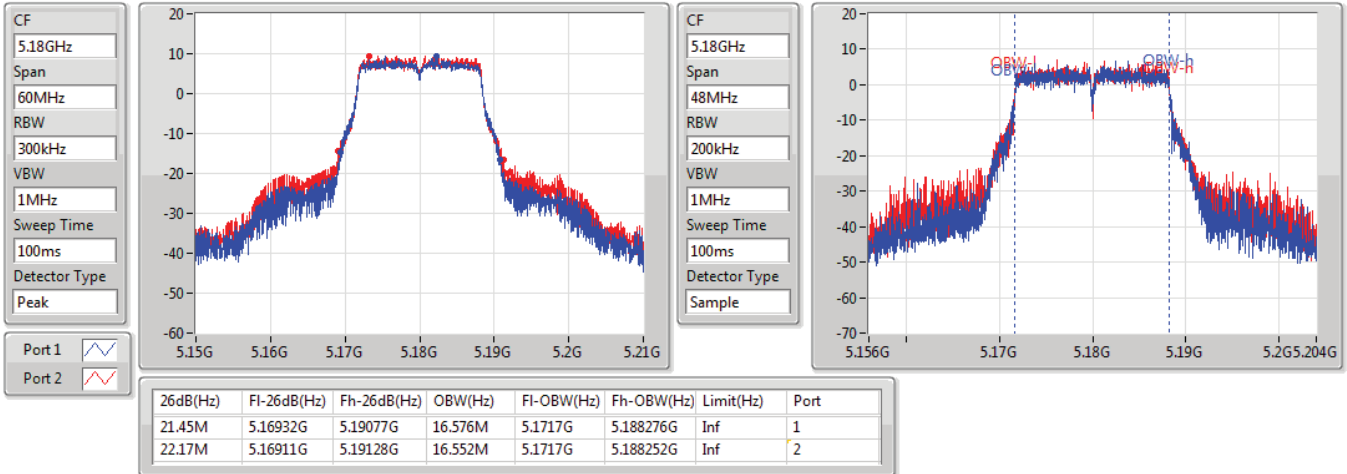
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.45M	16.576M	22.17M	16.552M
5200MHz	Pass	Inf	21.33M	16.6M	22.32M	16.576M
5240MHz	Pass	Inf	21.36M	16.6M	22.29M	16.576M
5745MHz	Pass	500k	16.29M	33.703M	16.32M	24.804M
5785MHz	Pass	500k	16.32M	37.085M	16.29M	33.055M
5825MHz	Pass	500k	16.29M	30.009M	16.32M	27.682M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.17M	17.727M	21.6M	17.775M
5200MHz	Pass	Inf	21.69M	17.799M	21.45M	17.751M
5240MHz	Pass	Inf	21.75M	17.703M	23.19M	17.751M
5745MHz	Pass	500k	17.55M	35.382M	17.52M	26.699M
5785MHz	Pass	500k	16.98M	38.381M	17.28M	34.783M
5825MHz	Pass	500k	16.92M	32.168M	17.52M	30.153M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.2M	36.222M	39.84M	36.27M
5230MHz	Pass	Inf	40.32M	36.222M	39.96M	36.222M
5755MHz	Pass	500k	36.3M	37.037M	36.3M	36.99M
5795MHz	Pass	500k	36.3M	39.772M	36.3M	44.954M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.72M	75.61M	81.36M	75.706M
5775MHz	Pass	500k	75.12M	90.675M	75.36M	82.999M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.51M	18.927M	21.54M	18.975M
5200MHz	Pass	Inf	21.57M	18.975M	21.75M	18.975M
5240MHz	Pass	Inf	21.6M	18.975M	21.39M	18.975M
5745MHz	Pass	500k	18.81M	36.774M	18.69M	27.898M
5785MHz	Pass	500k	17.46M	39.724M	18M	35.886M
5825MHz	Pass	500k	18.63M	33.775M	16.77M	30.681M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.08M	37.565M	39.84M	37.469M
5230MHz	Pass	Inf	39.96M	37.565M	39.9M	37.565M
5755MHz	Pass	500k	37.26M	38.093M	37.2M	38.189M
5795MHz	Pass	500k	37.26M	39.82M	37.26M	45.145M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.08M	76.954M	81.48M	77.049M
5775MHz	Pass	500k	73.68M	98.159M	75.24M	90.579M

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

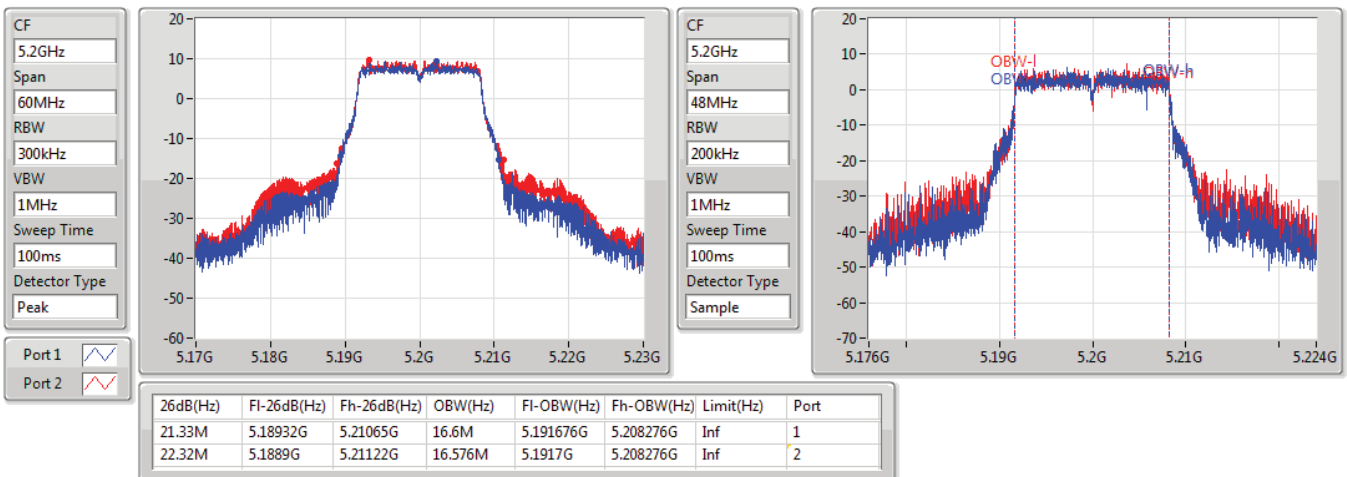
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

06/08/2020

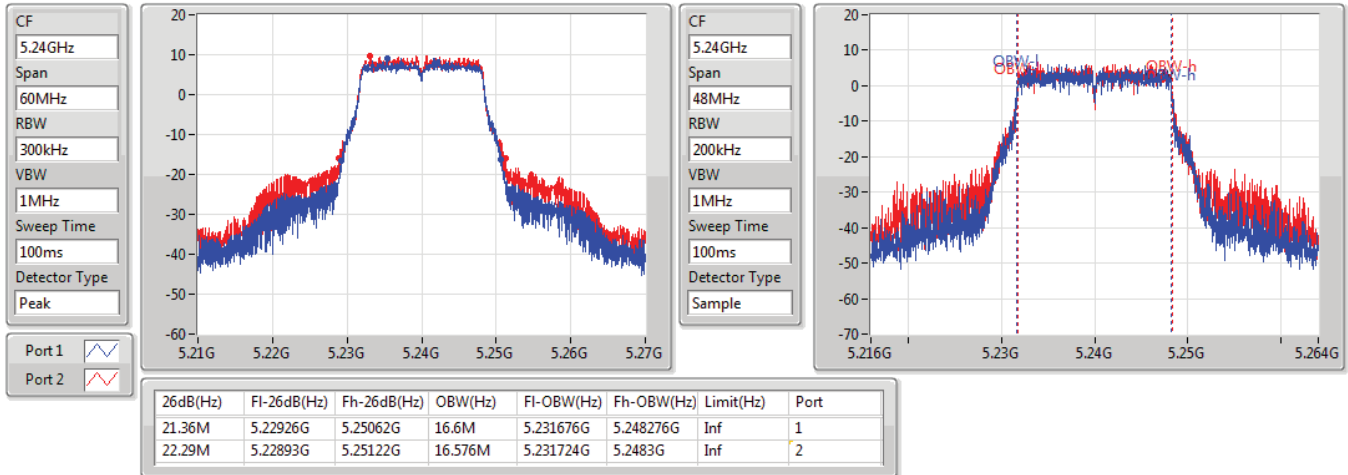

802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

06/08/2020

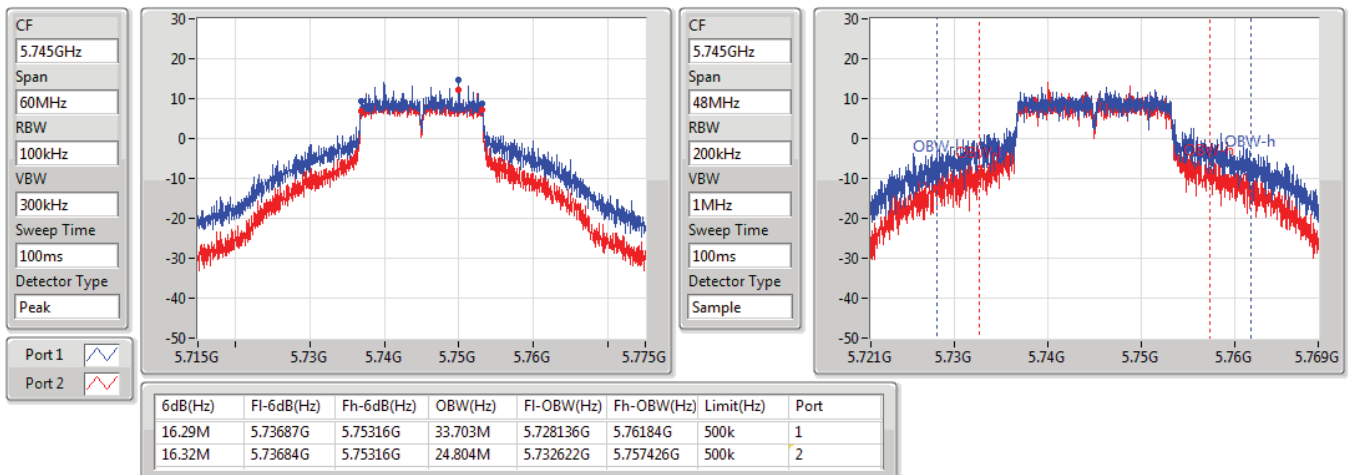


802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

06/08/2020


802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

08/09/2020

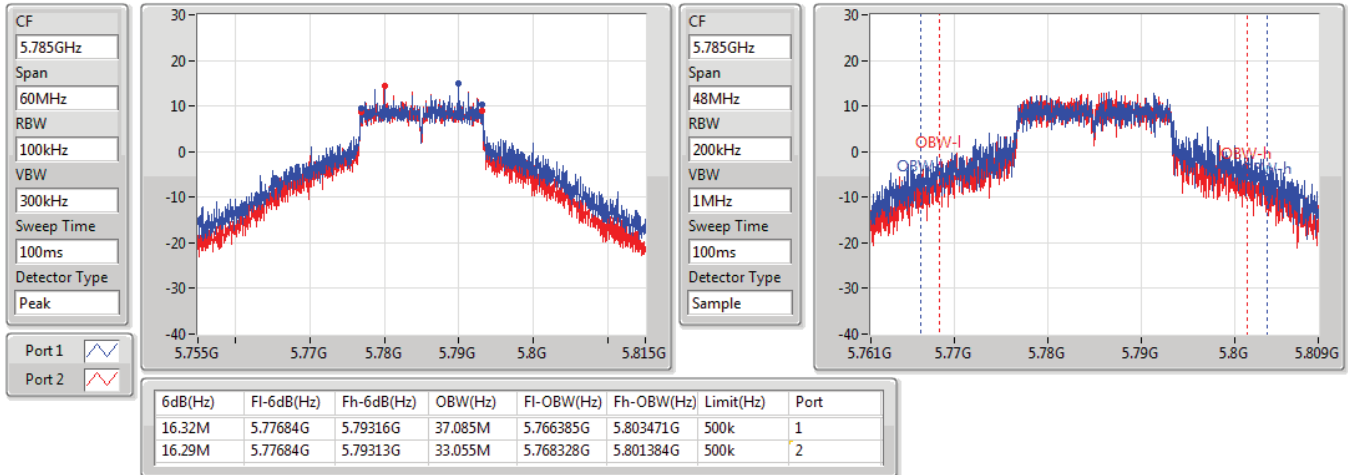


802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

08/09/2020

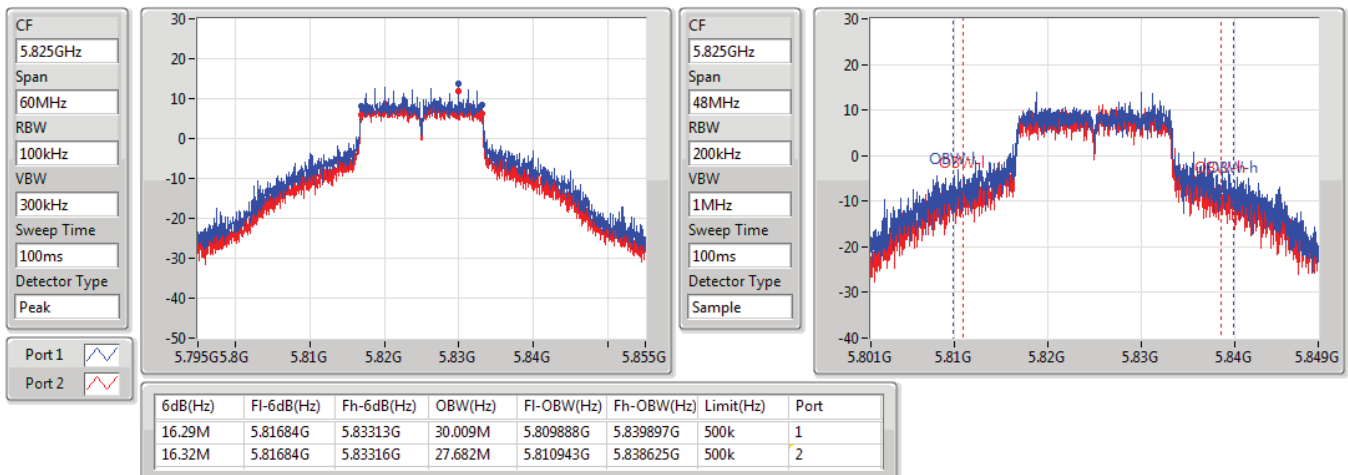


802.11a_Nss1,(6Mbps)_2TX

EBW

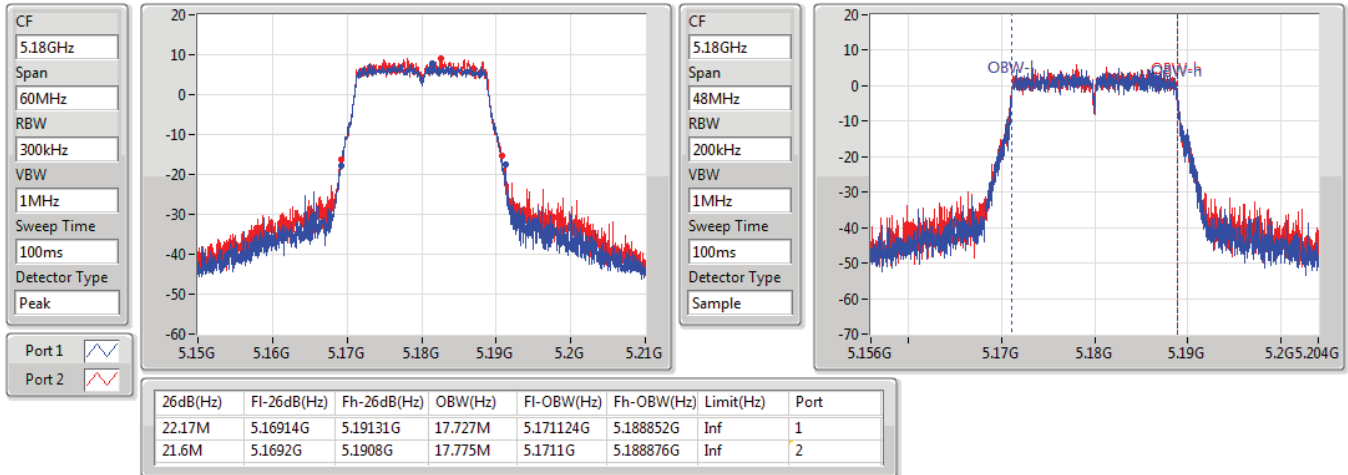
5825MHz

08/09/2020

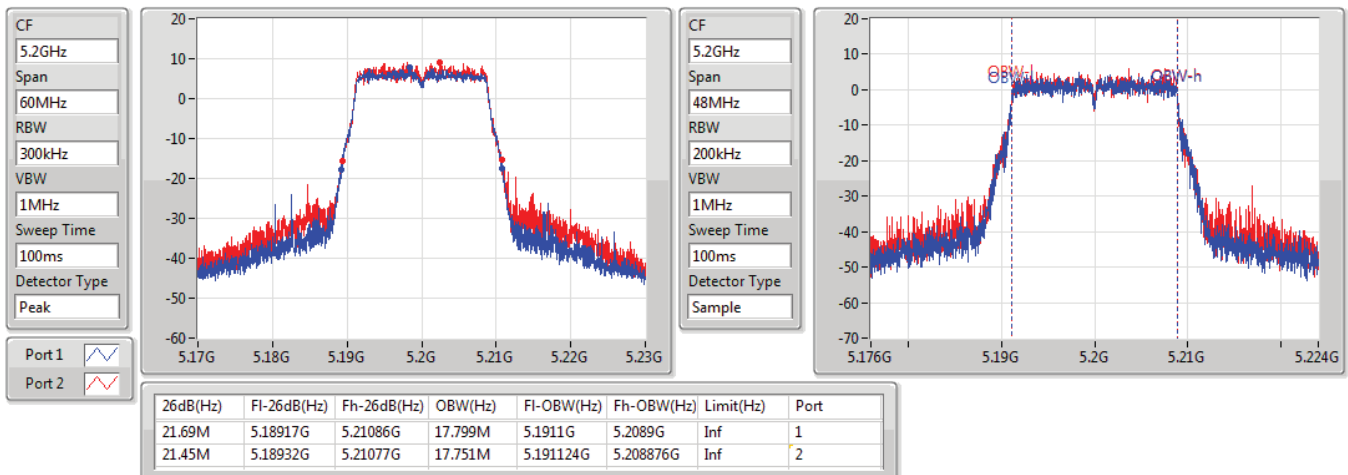


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5180MHz

06/08/2020

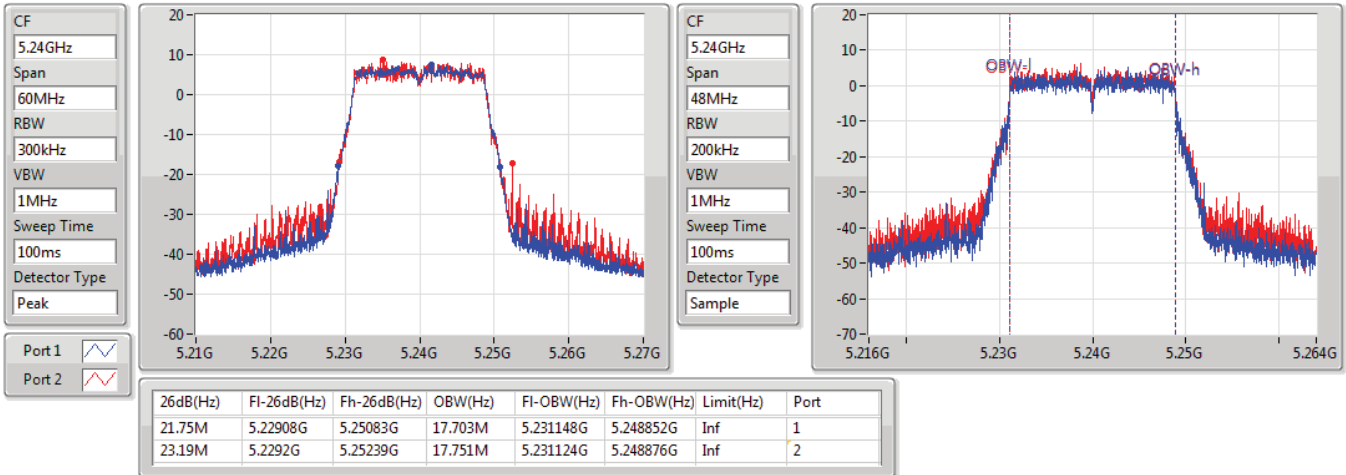

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5200MHz

06/08/2020

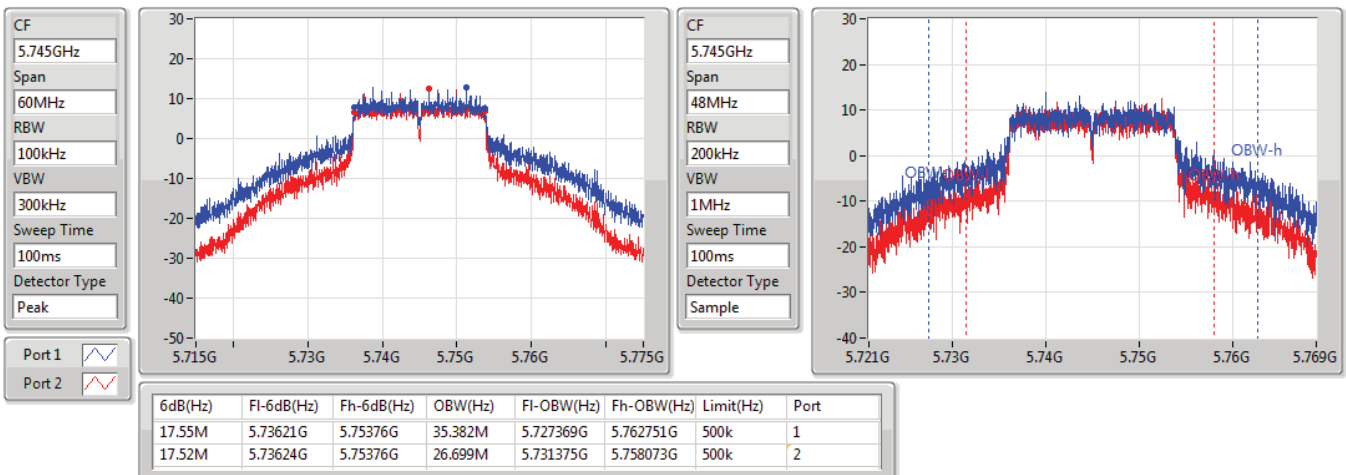


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5240MHz

06/08/2020


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5745MHz

08/09/2020

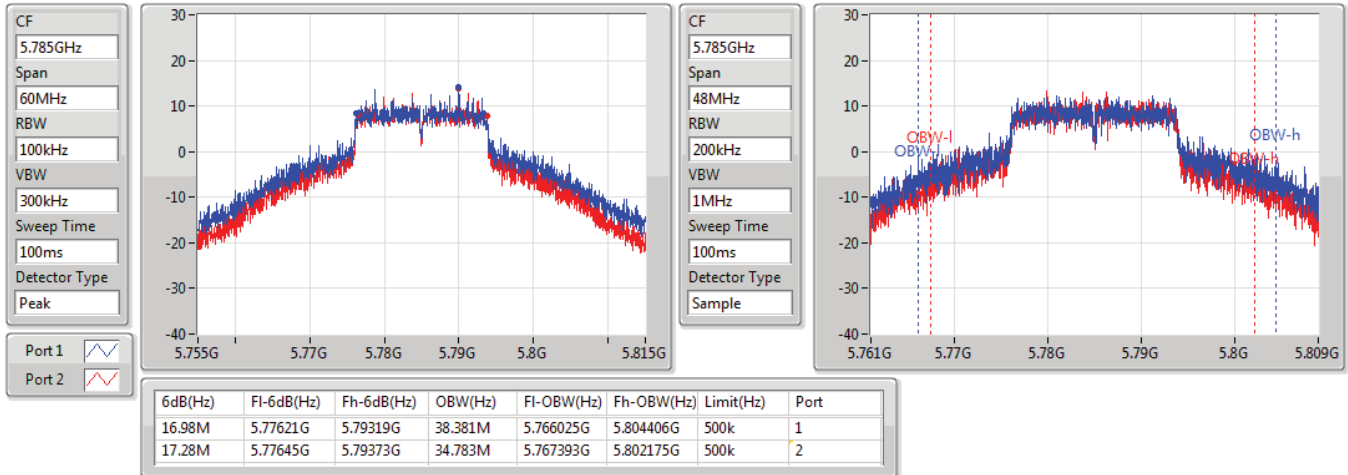


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5785MHz

08/09/2020

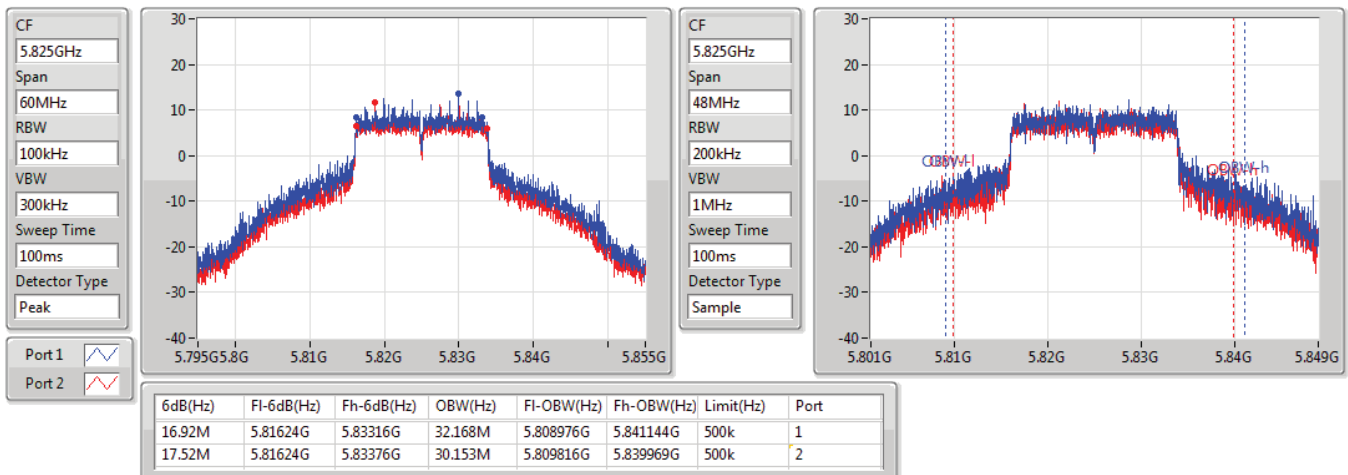


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

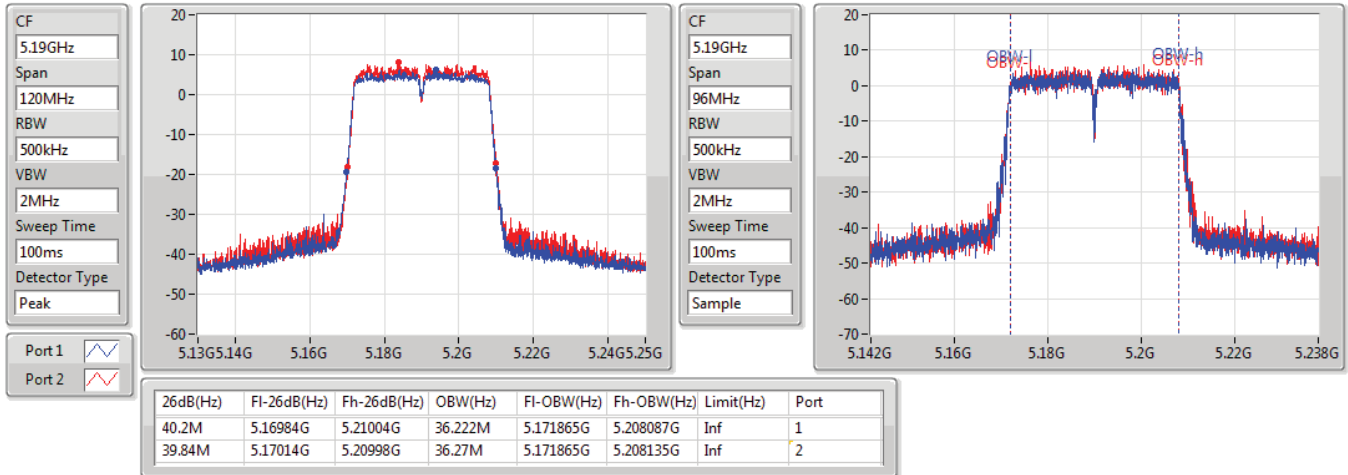
5825MHz

08/09/2020

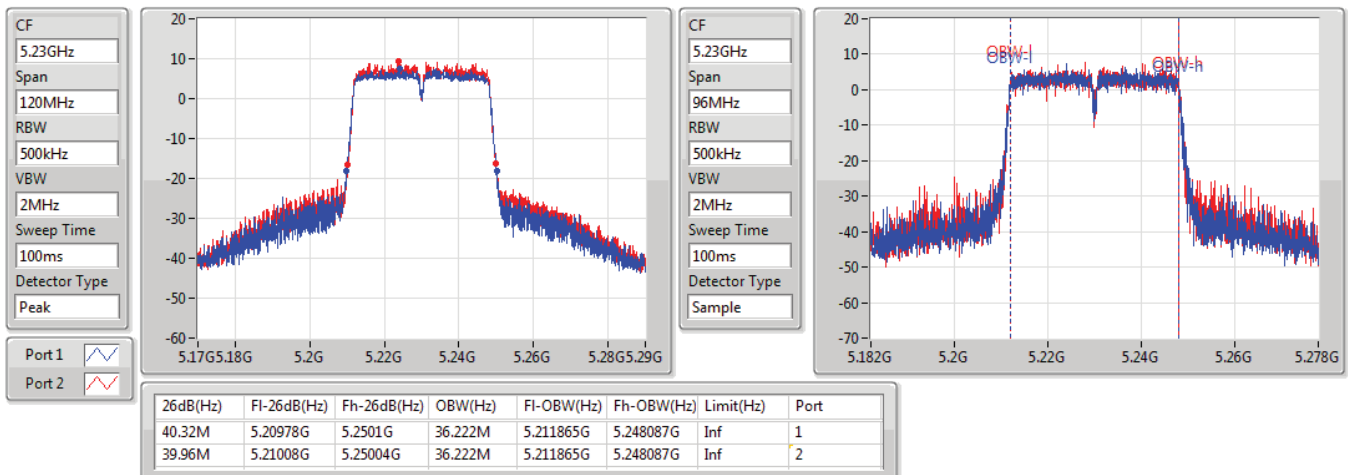


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5190MHz

14/08/2020

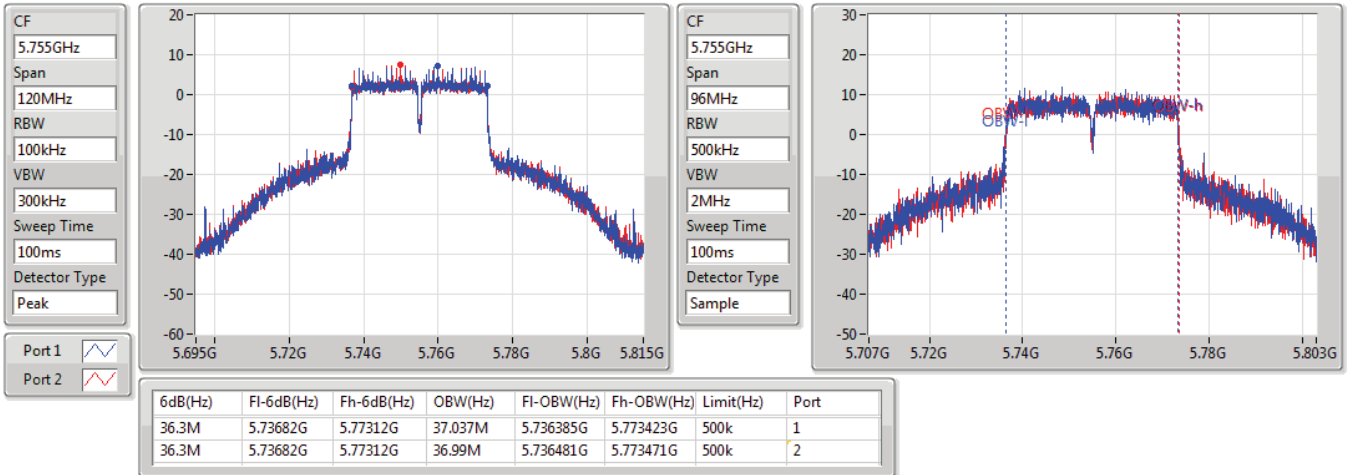

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5230MHz

07/08/2020

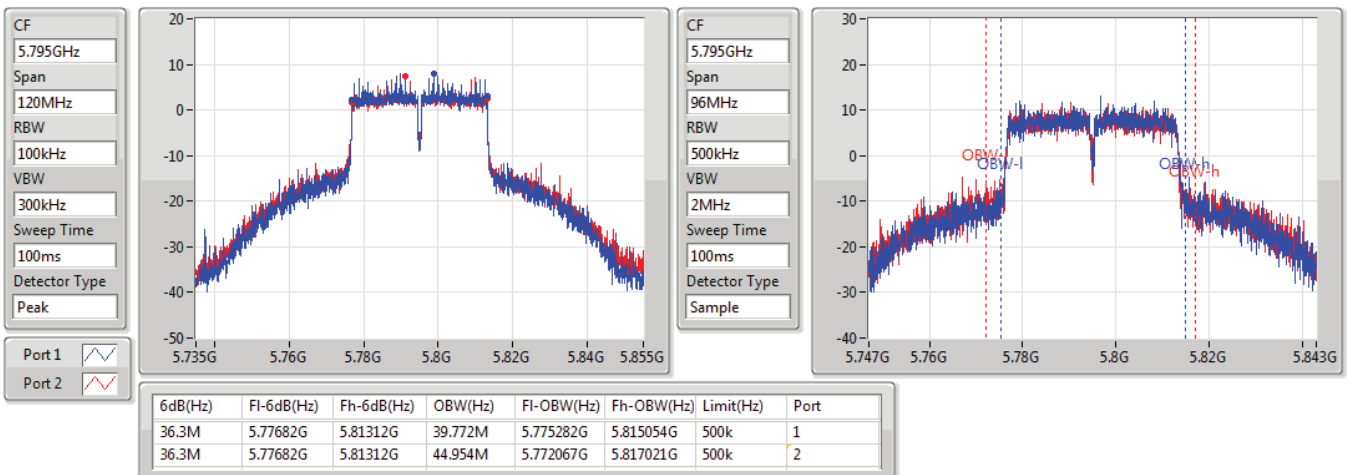


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5755MHz

08/09/2020

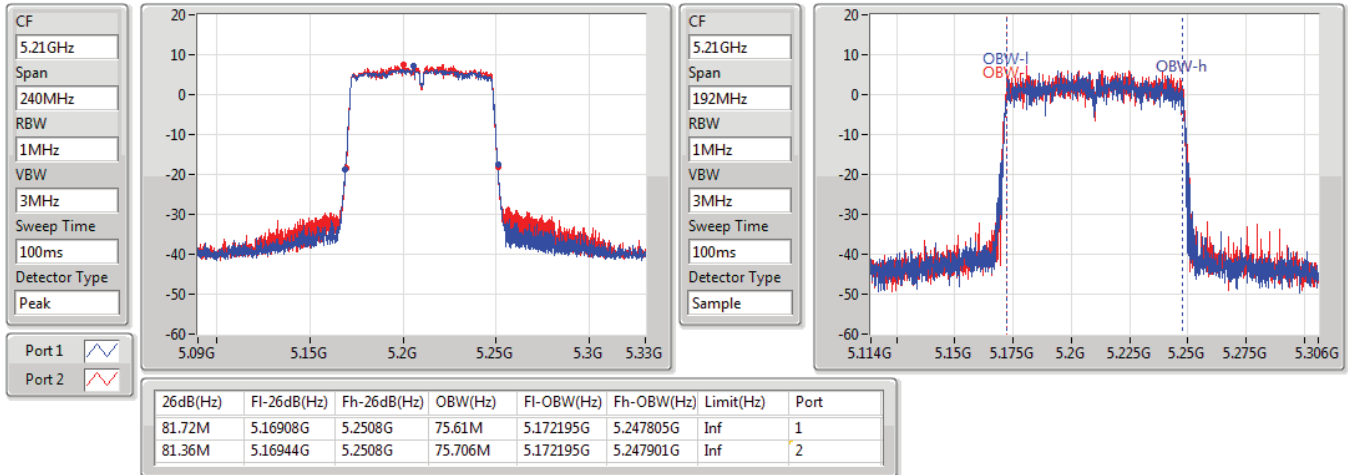

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5795MHz

08/09/2020

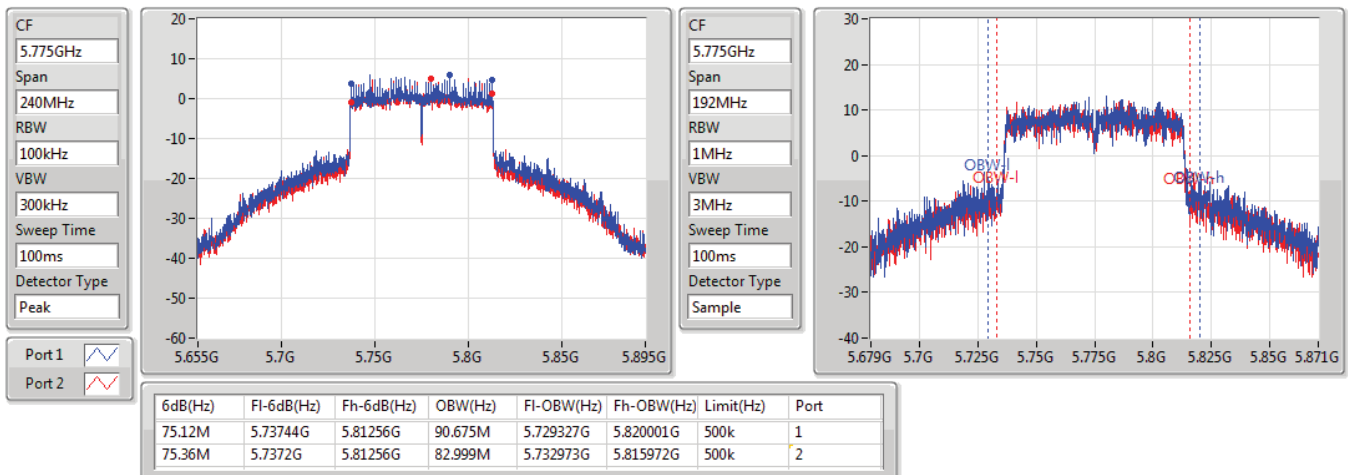


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5210MHz

14/08/2020

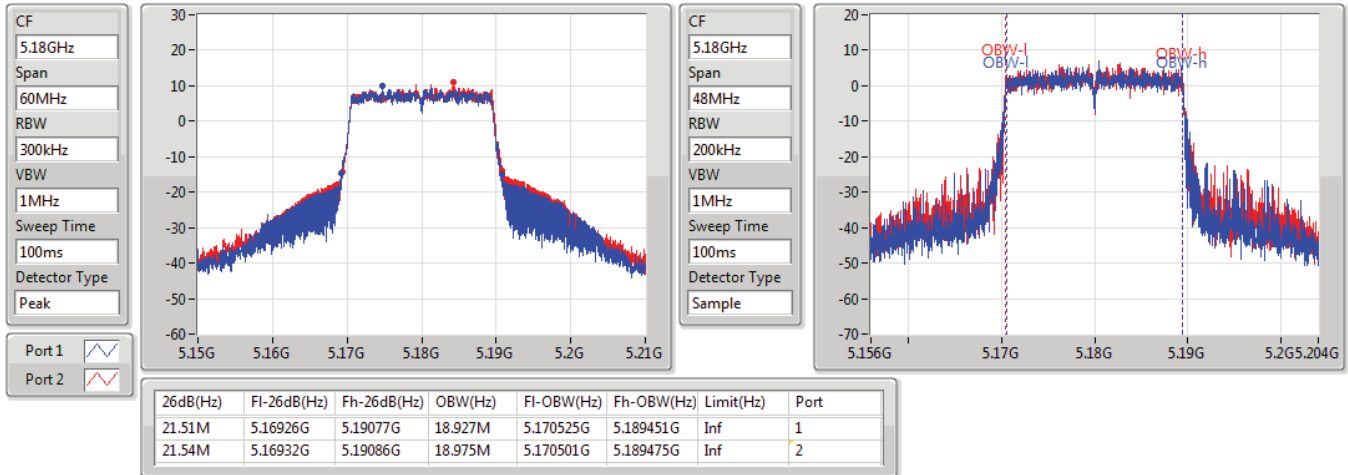

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5775MHz

08/09/2020

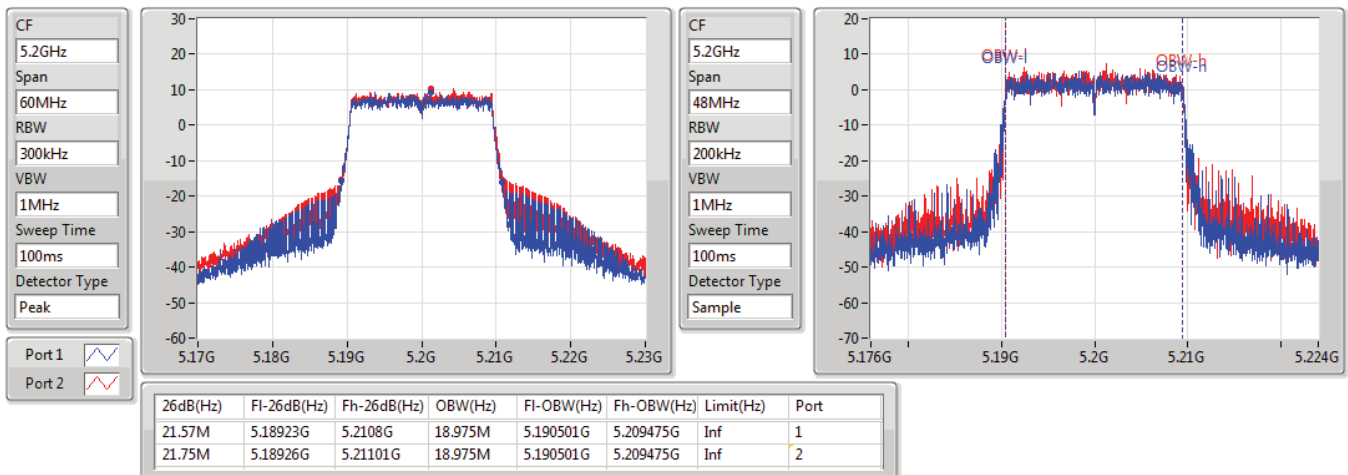


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5180MHz

06/08/2020

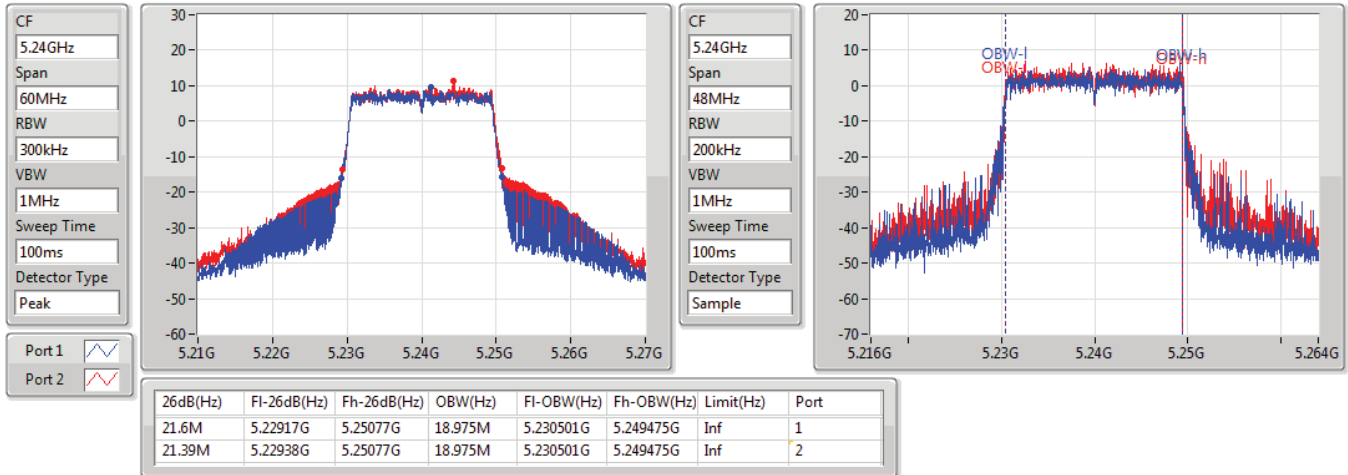

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5200MHz

06/08/2020

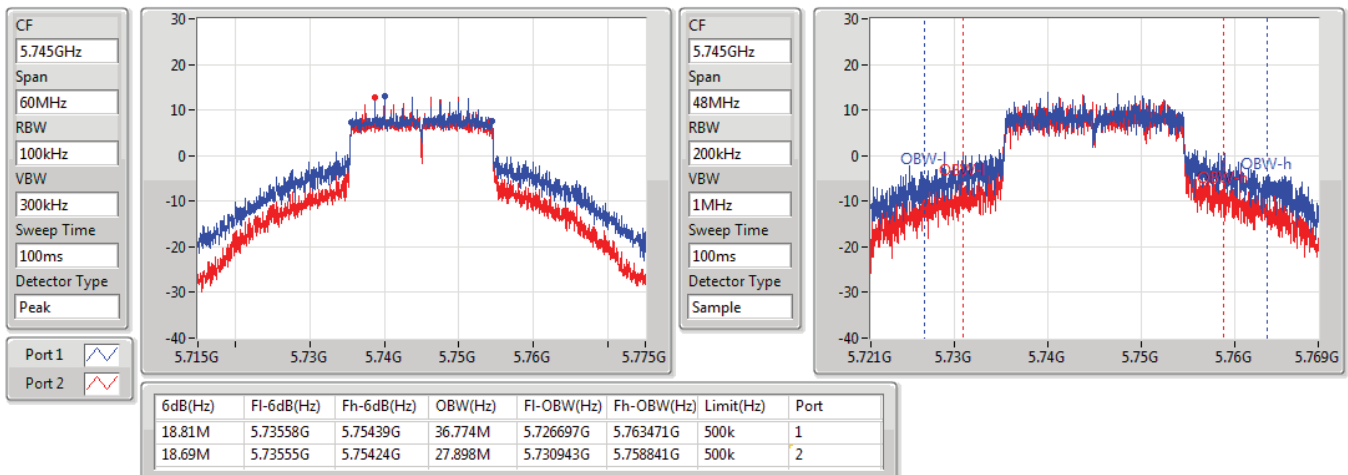


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5240MHz

06/08/2020

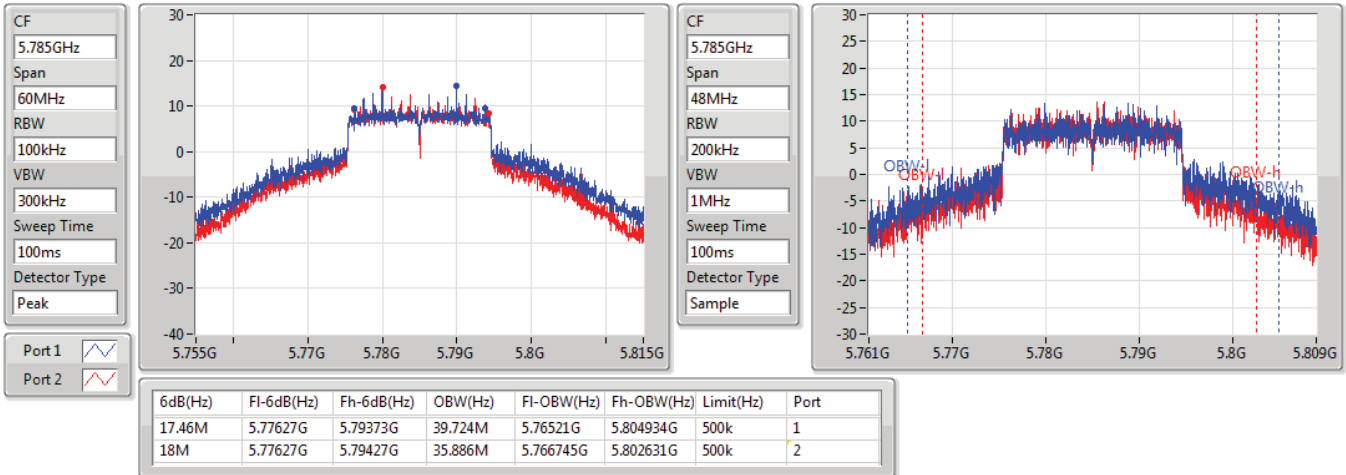

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5745MHz

08/09/2020

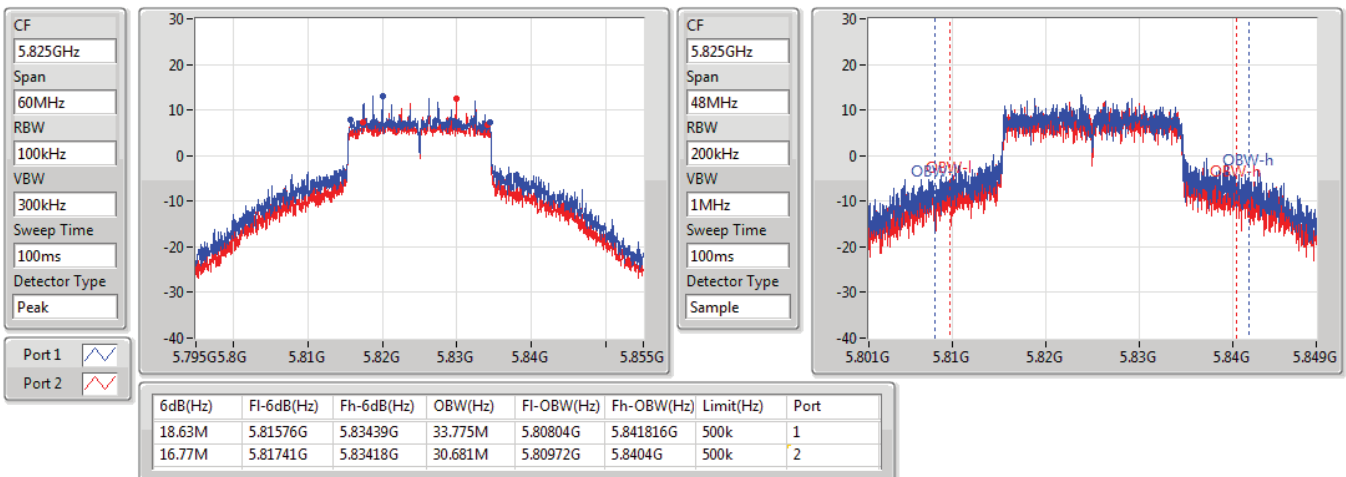


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5785MHz

08/09/2020


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5825MHz

08/09/2020

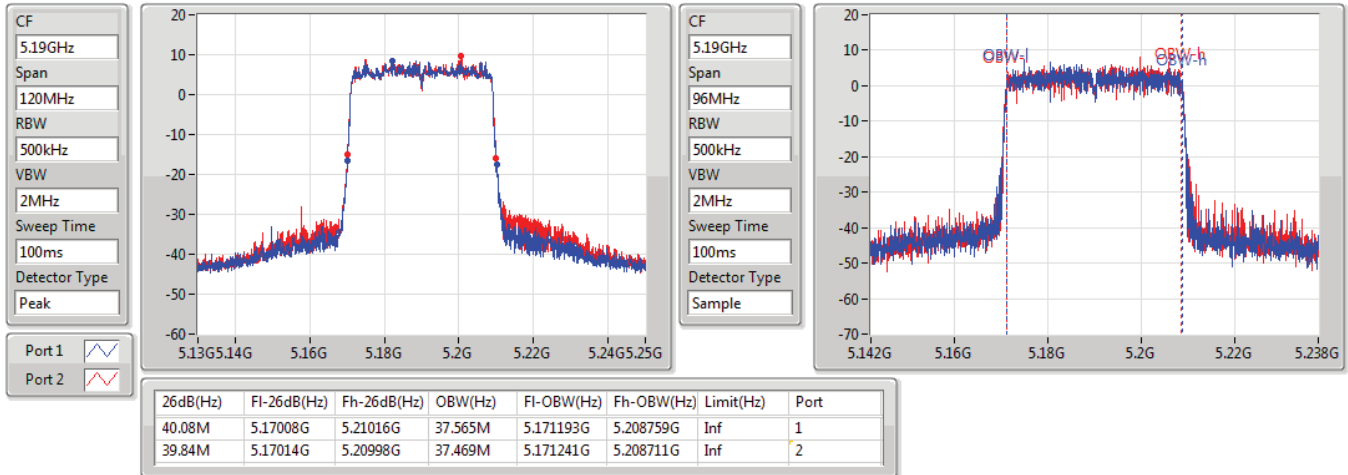


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5190MHz

14/08/2020

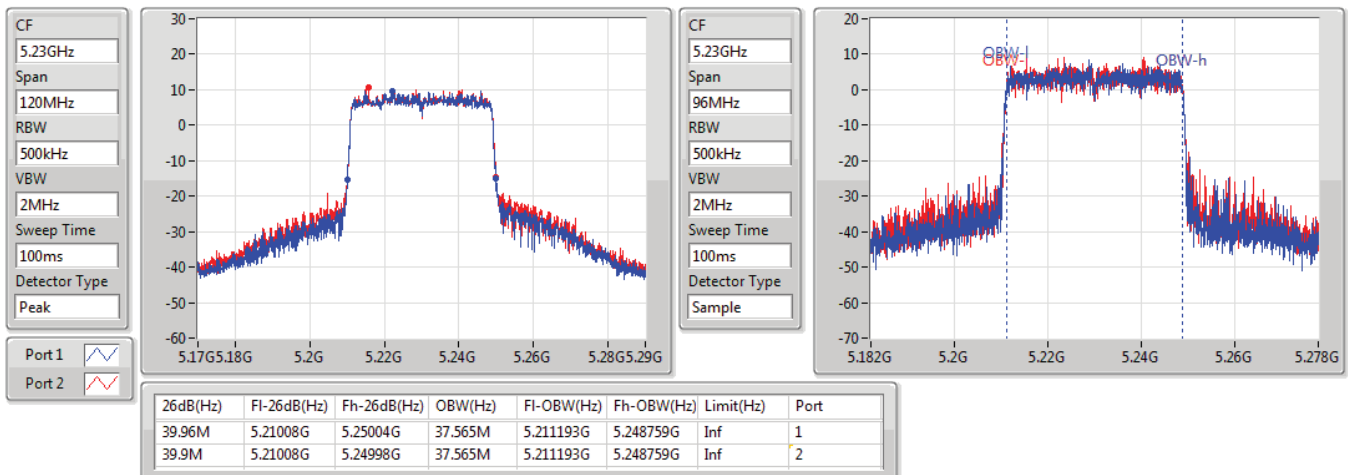


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5230MHz

07/08/2020

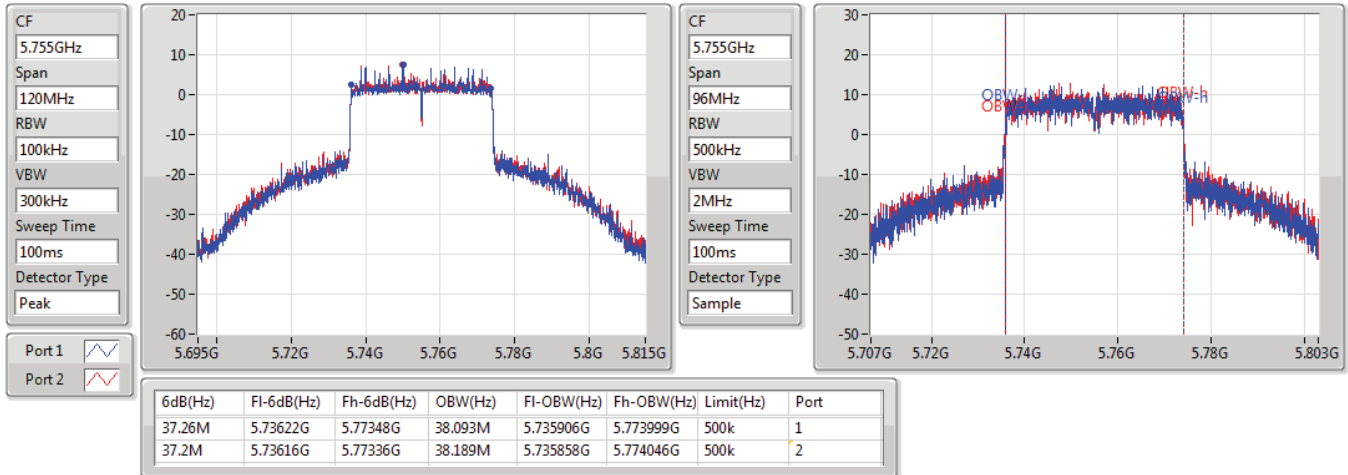


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

08/09/2020

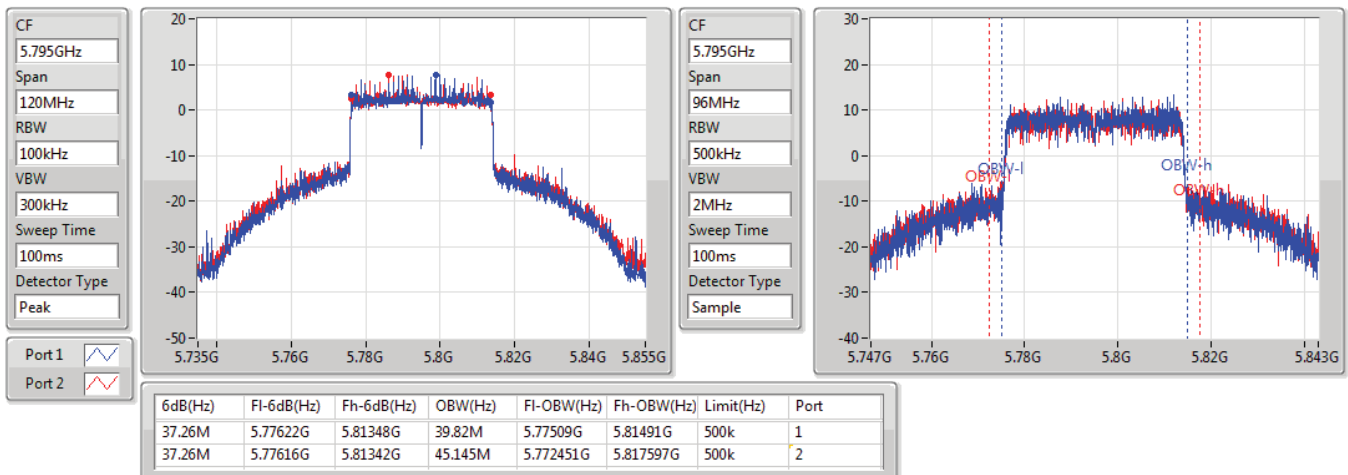


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

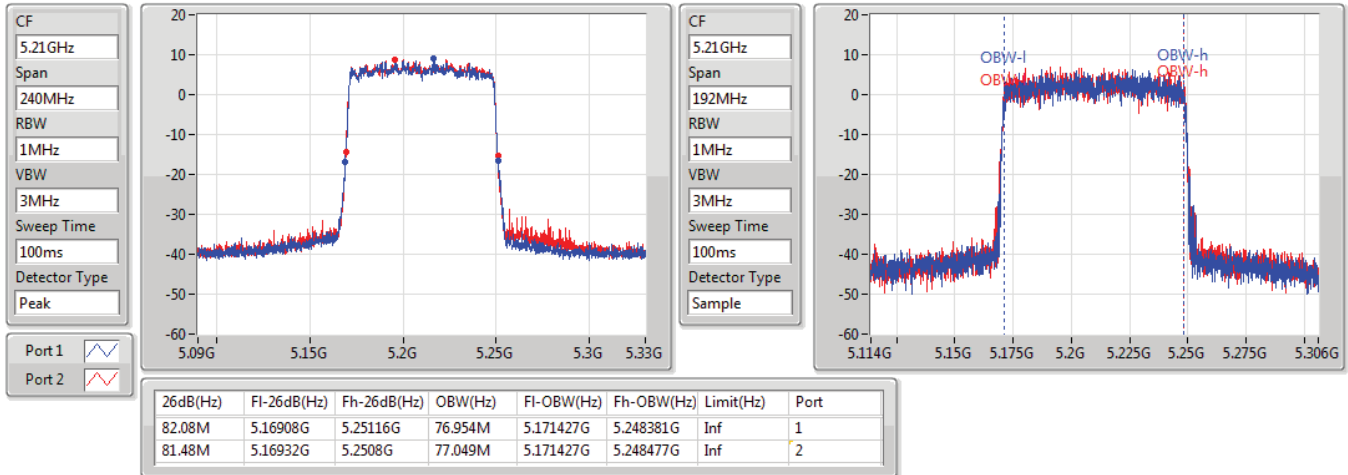
5795MHz

08/09/2020

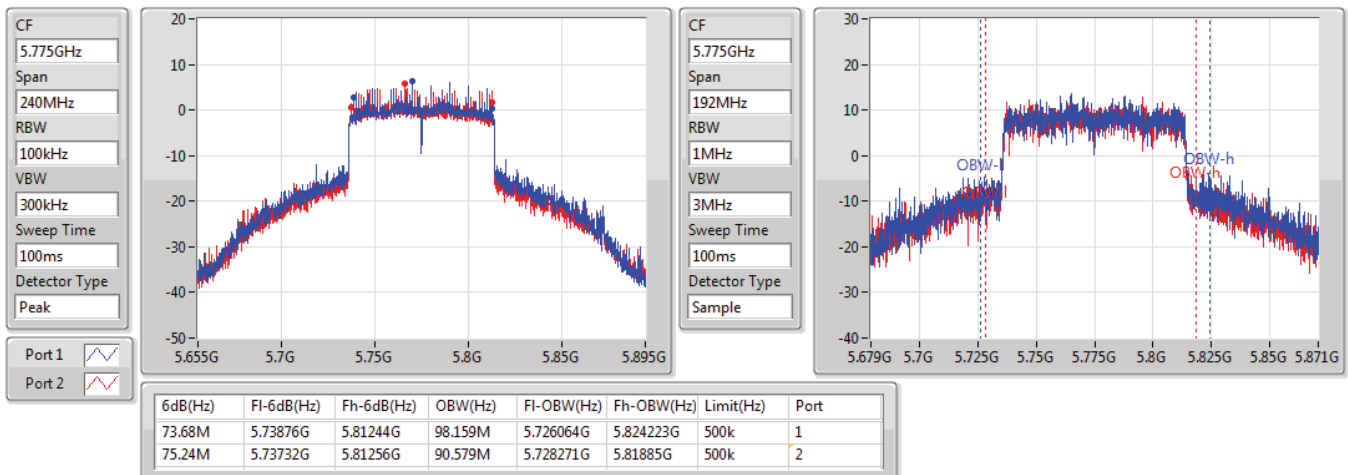


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5210MHz

14/08/2020


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5775MHz

08/09/2020



**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)_2TX	37.05M	16.768M	16M8D1D	21.54M	16.6M
802.11ac VHT20_Nss1,(MCS0)_2TX	22.2M	17.823M	17M8D1D	21.57M	17.703M
802.11ac VHT40_Nss1,(MCS0)_2TX	44.7M	36.366M	36M4D1D	39.84M	36.174M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.84M	75.898M	75M9D1D	81.48M	75.706M
802.11ax HEW20_Nss1,(MCS0)_2TX	25.47M	19.046M	19M0D1D	21.57M	18.951M
802.11ax HEW40_Nss1,(MCS0)_2TX	43.98M	37.613M	37M6D1D	39.84M	37.469M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.96M	77.241M	77M2D1D	81.6M	77.049M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.53M	17.535M	17M5D1D	16.32M	16.6M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.58M	17.919M	17M9D1D	17.55M	17.799M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.36M	36.51M	36M5D1D	36.3M	36.222M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.36M	75.994M	76M0D1D	75.24M	75.802M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.99M	19.07M	19M1D1D	18.75M	18.975M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.26M	37.805M	37M8D1D	36.6M	37.565M
802.11ax HEW80_Nss1,(MCS0)_2TX	75.72M	77.145M	77M1D1D	75.6M	77.049M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

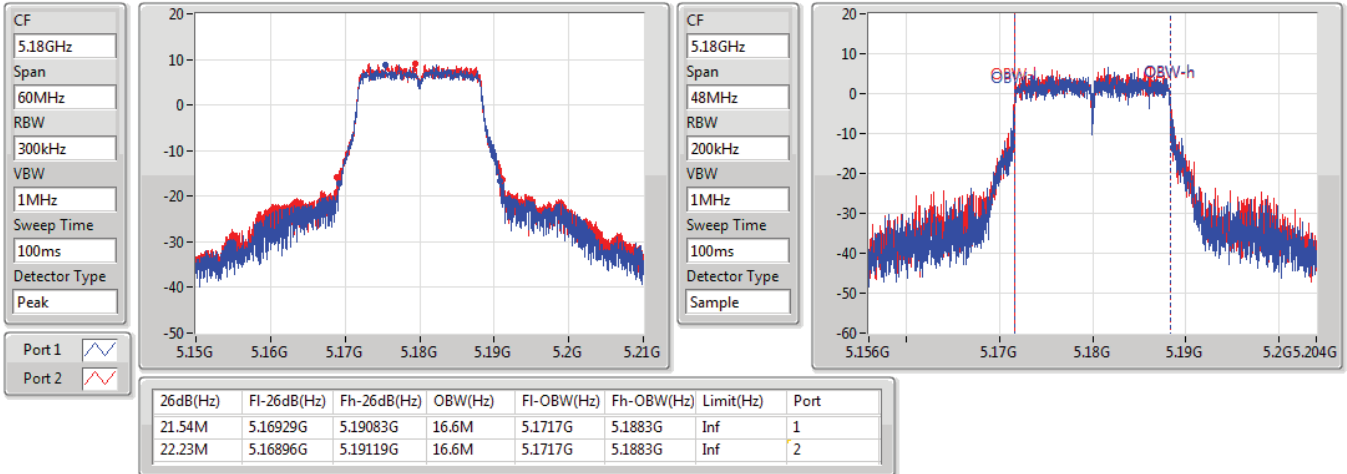
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.54M	16.6M	22.23M	16.6M
5200MHz	Pass	Inf	36.84M	16.696M	37.05M	16.768M
5240MHz	Pass	Inf	36.78M	16.744M	37.05M	16.72M
5745MHz	Pass	500k	16.53M	16.6M	16.32M	17.175M
5785MHz	Pass	500k	16.35M	16.6M	16.32M	17.367M
5825MHz	Pass	500k	16.41M	16.648M	16.32M	17.535M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.78M	17.823M	21.57M	17.703M
5200MHz	Pass	Inf	21.87M	17.823M	22.2M	17.775M
5240MHz	Pass	Inf	22.02M	17.799M	22.2M	17.799M
5745MHz	Pass	500k	17.55M	17.799M	17.55M	17.823M
5785MHz	Pass	500k	17.58M	17.799M	17.58M	17.871M
5825MHz	Pass	500k	17.55M	17.823M	17.58M	17.919M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	44.64M	36.174M	39.84M	36.318M
5230MHz	Pass	Inf	40.26M	36.27M	44.7M	36.366M
5755MHz	Pass	500k	36.3M	36.366M	36.3M	36.366M
5795MHz	Pass	500k	36.3M	36.222M	36.36M	36.51M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.84M	75.706M	81.48M	75.898M
5775MHz	Pass	500k	75.24M	75.802M	75.36M	75.994M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.69M	18.951M	21.57M	18.951M
5200MHz	Pass	Inf	25.44M	18.975M	24.69M	19.022M
5240MHz	Pass	Inf	25.47M	18.975M	25.02M	19.046M
5745MHz	Pass	500k	18.93M	18.975M	18.75M	19.046M
5785MHz	Pass	500k	18.93M	18.975M	18.93M	19.046M
5825MHz	Pass	500k	18.99M	18.999M	18.93M	19.07M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.32M	37.565M	39.84M	37.469M
5230MHz	Pass	Inf	40.14M	37.613M	43.98M	37.517M
5755MHz	Pass	500k	36.6M	37.565M	36.66M	37.757M
5795MHz	Pass	500k	36.96M	37.661M	37.26M	37.805M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.96M	77.049M	81.6M	77.241M
5775MHz	Pass	500k	75.72M	77.049M	75.6M	77.145M

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

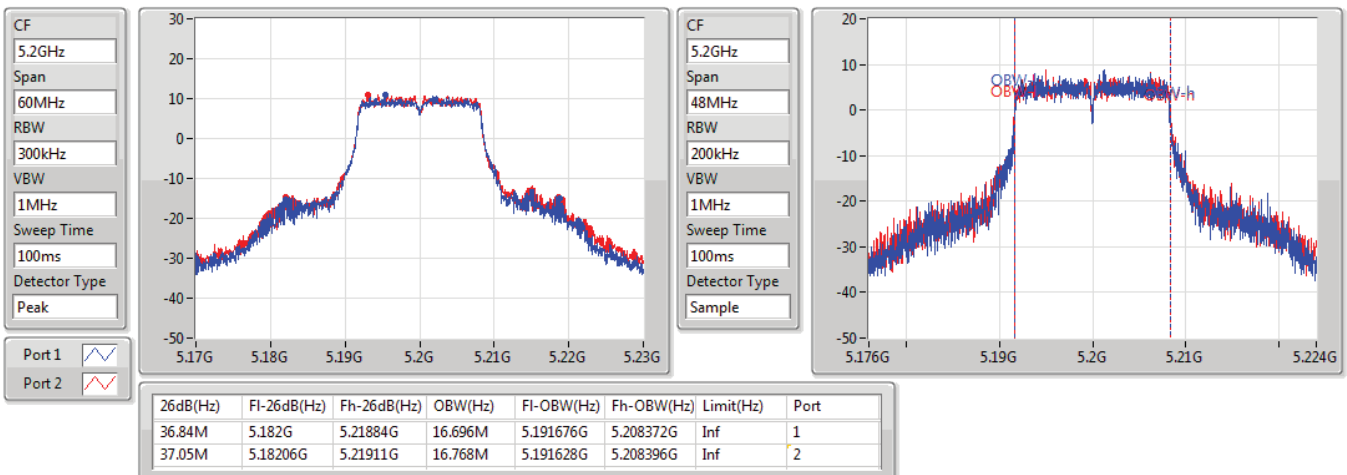
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

14/08/2020

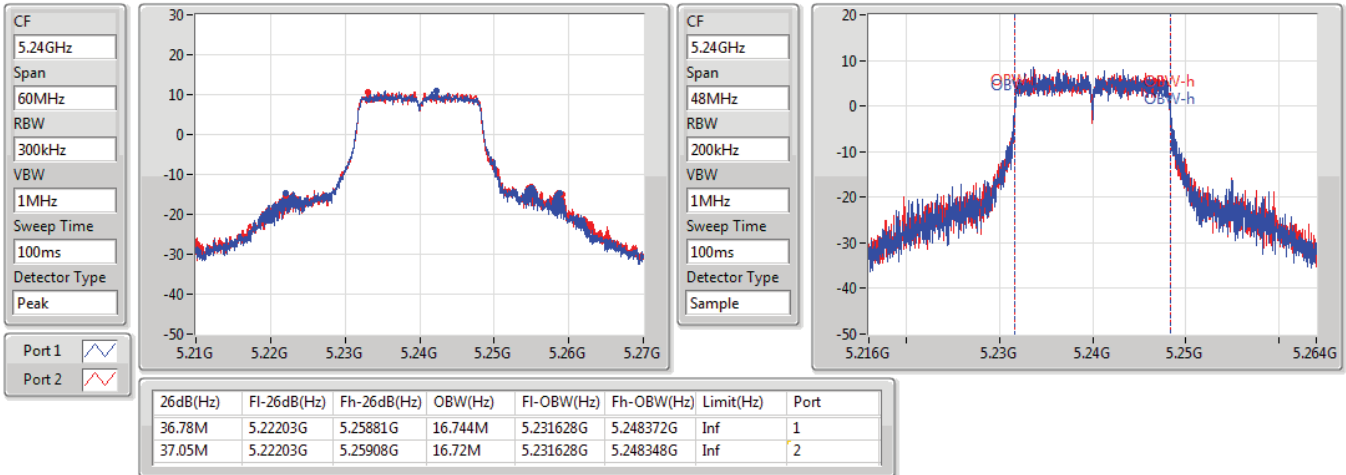

802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

06/08/2020

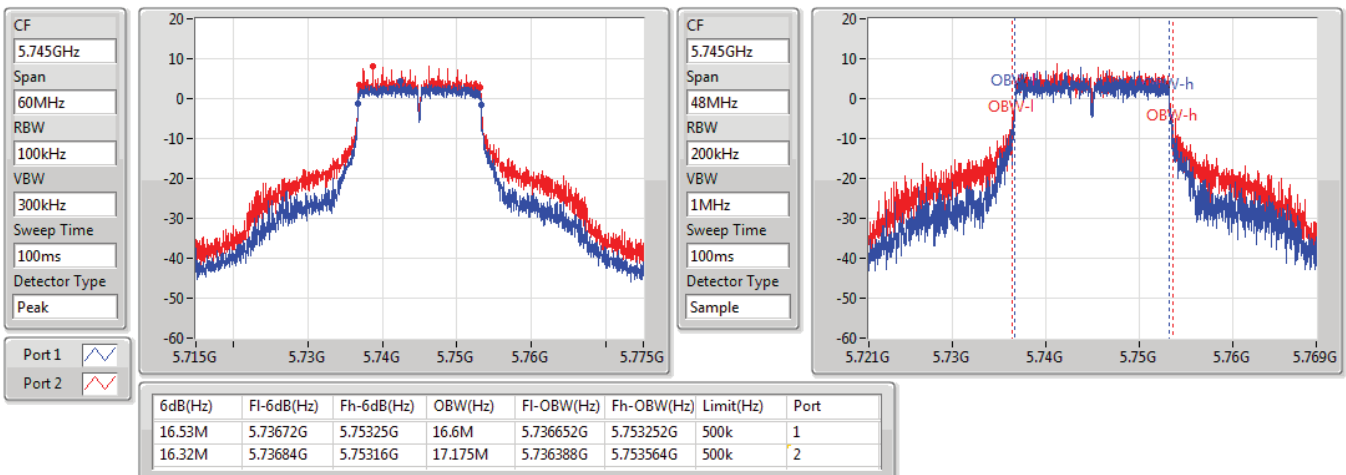


802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

06/08/2020

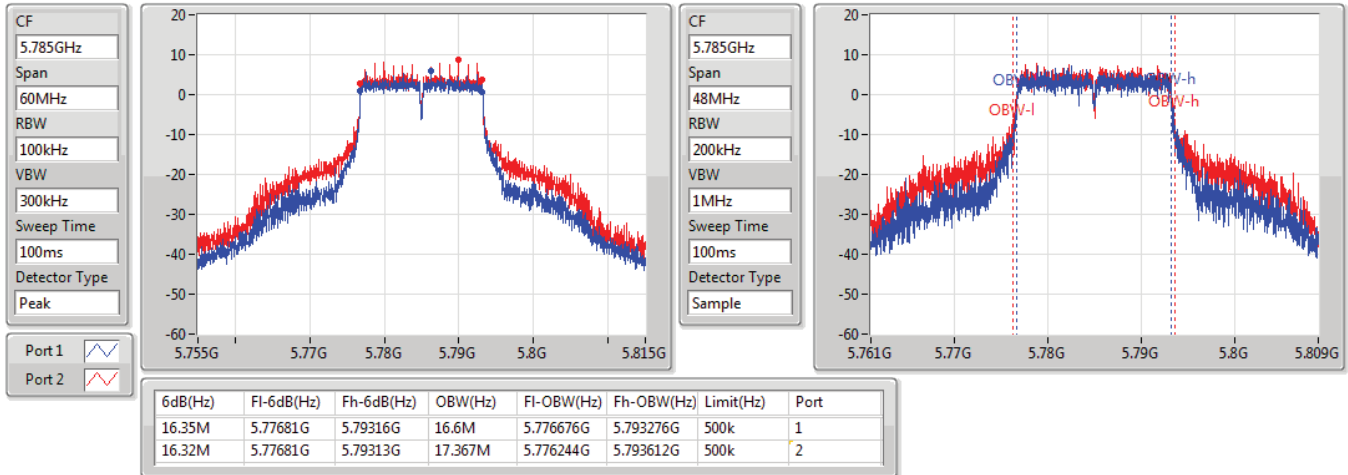

802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

06/08/2020

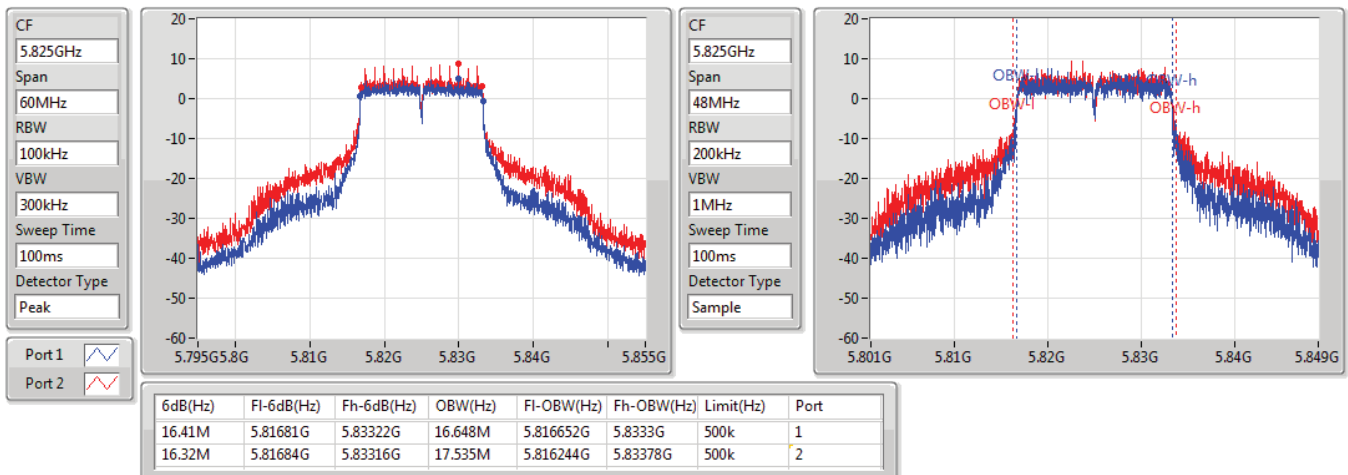


802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz

06/08/2020

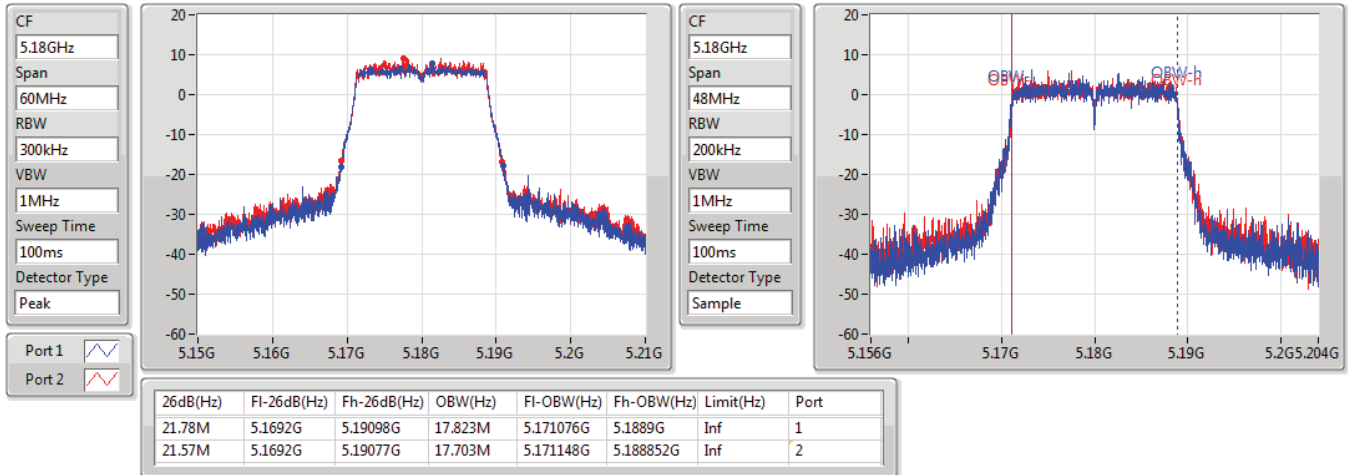

802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz

06/08/2020

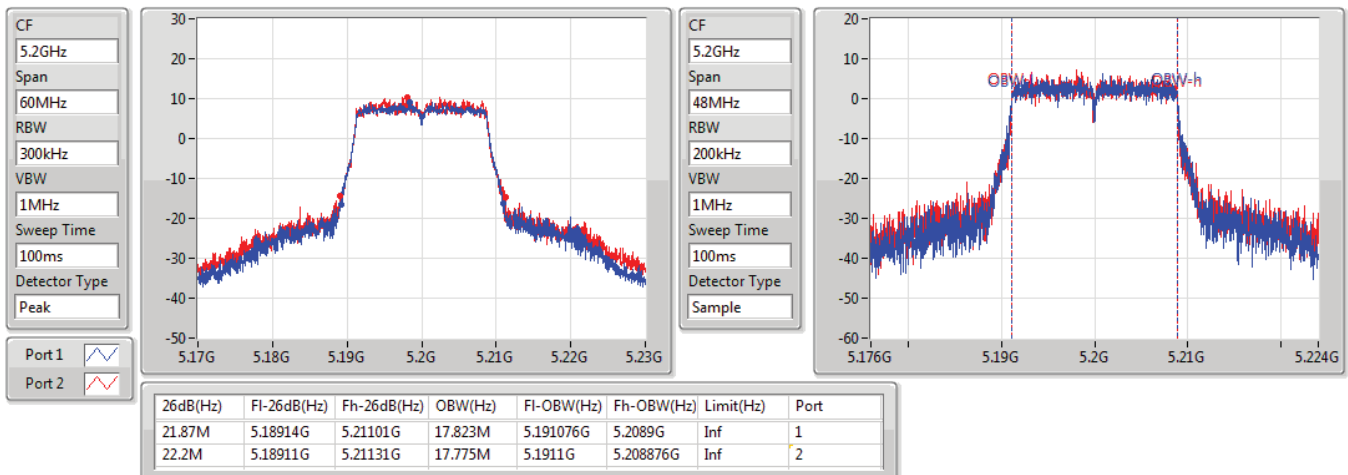


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5180MHz

14/08/2020

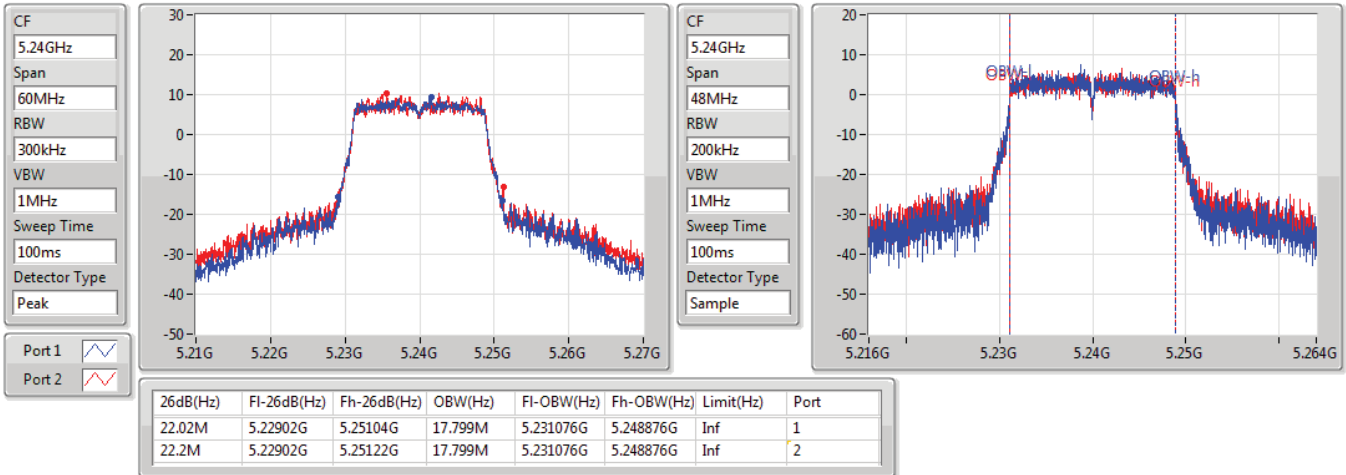

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5200MHz

06/08/2020

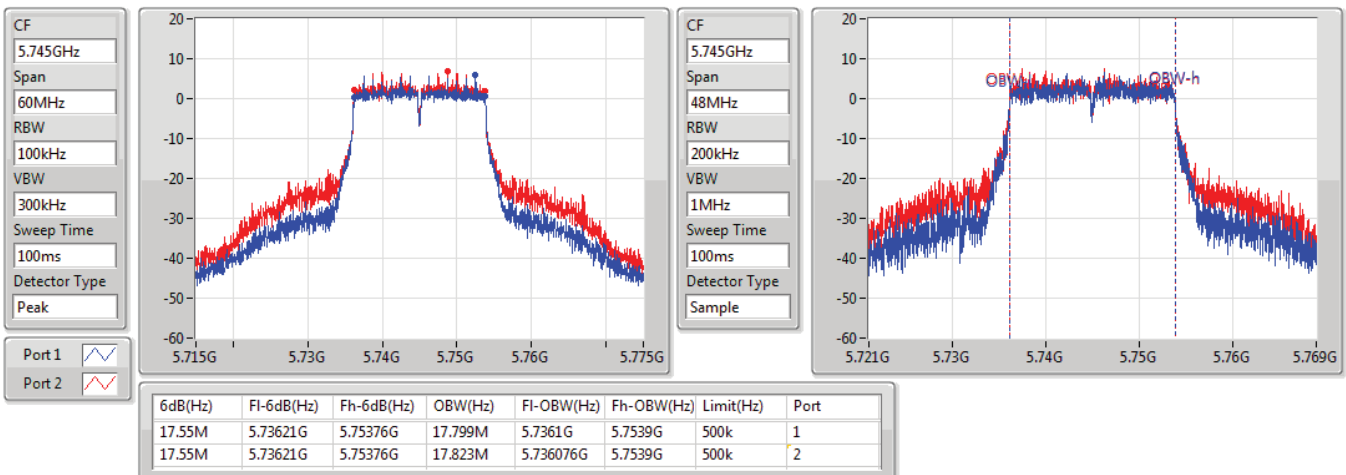


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5240MHz

06/08/2020

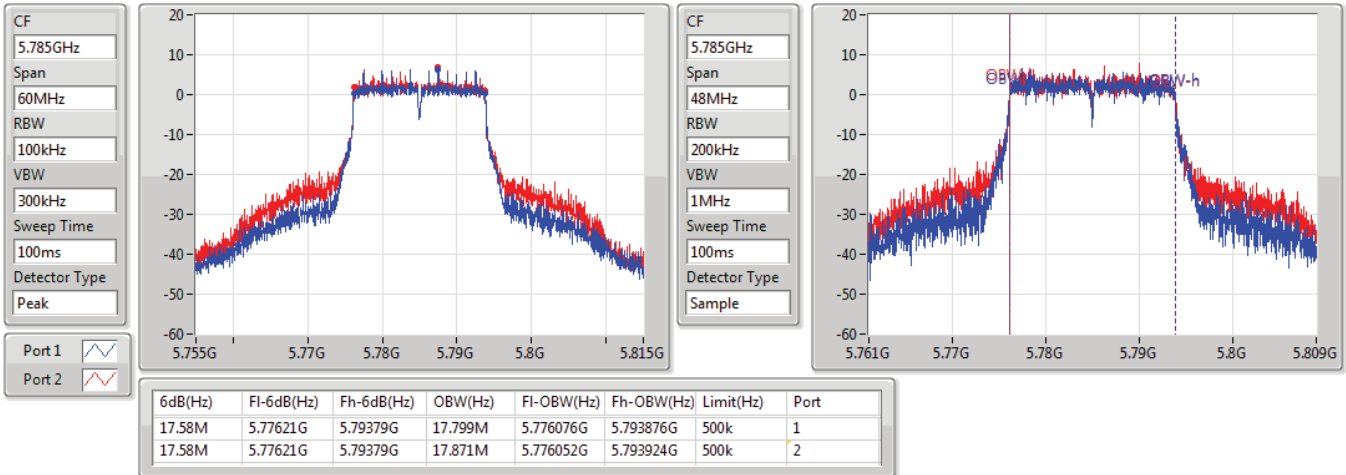

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5745MHz

06/08/2020

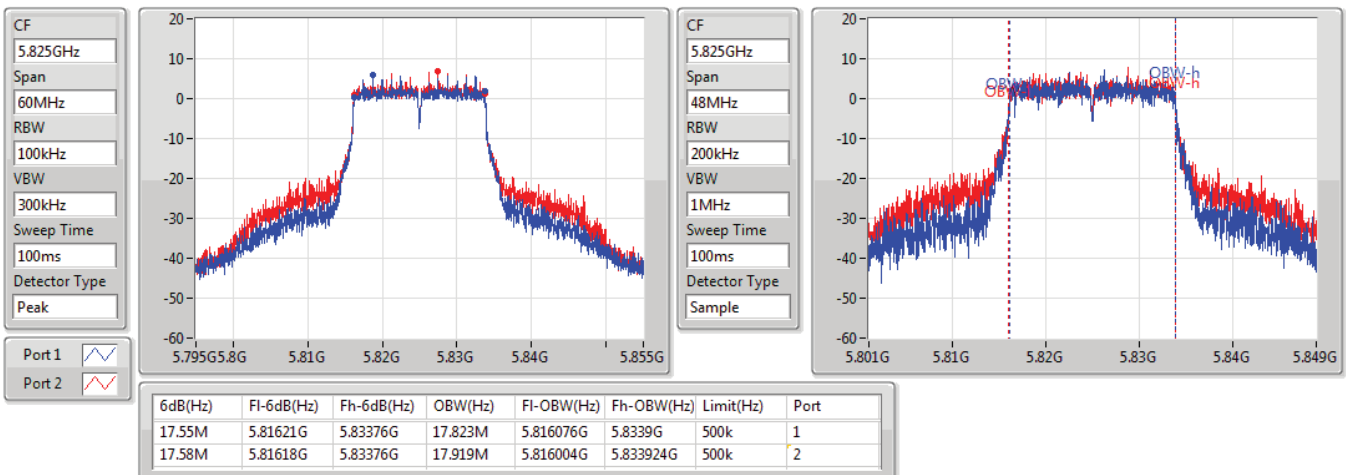


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5785MHz

06/08/2020


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5825MHz

06/08/2020

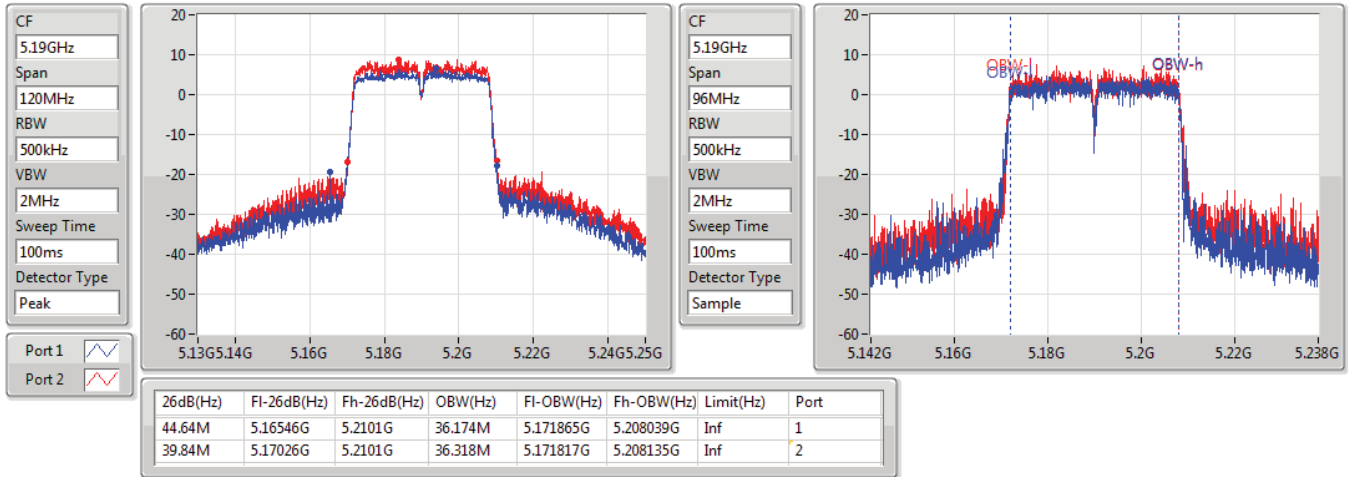


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5190MHz

14/08/2020

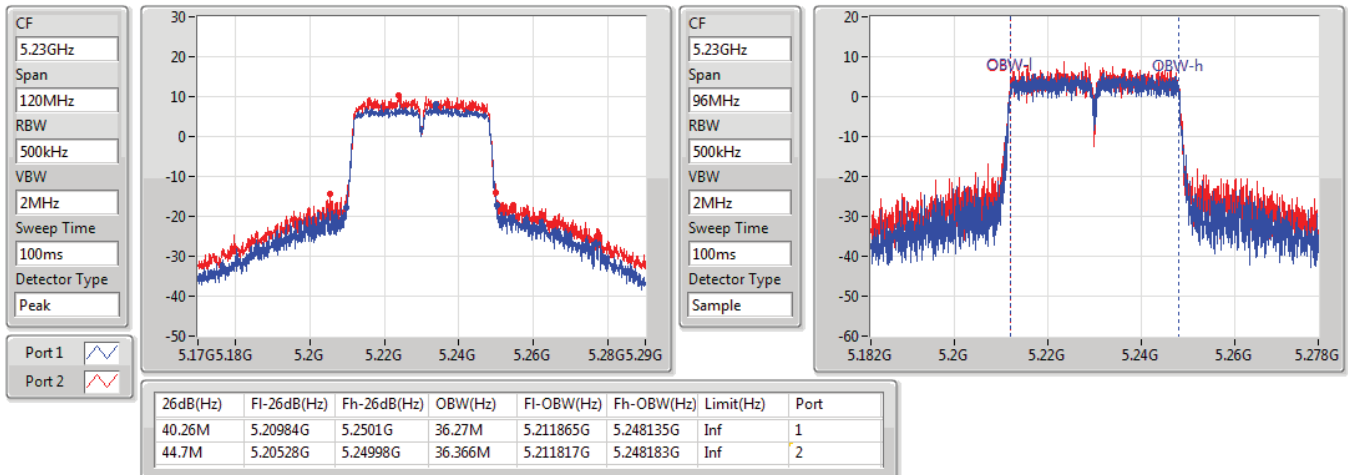


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

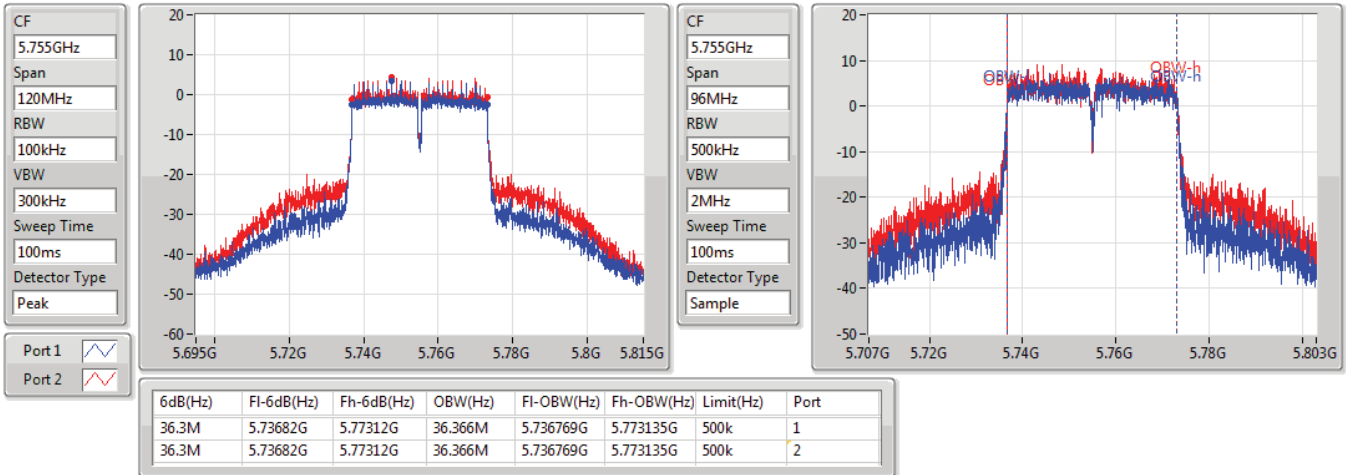
5230MHz

06/08/2020

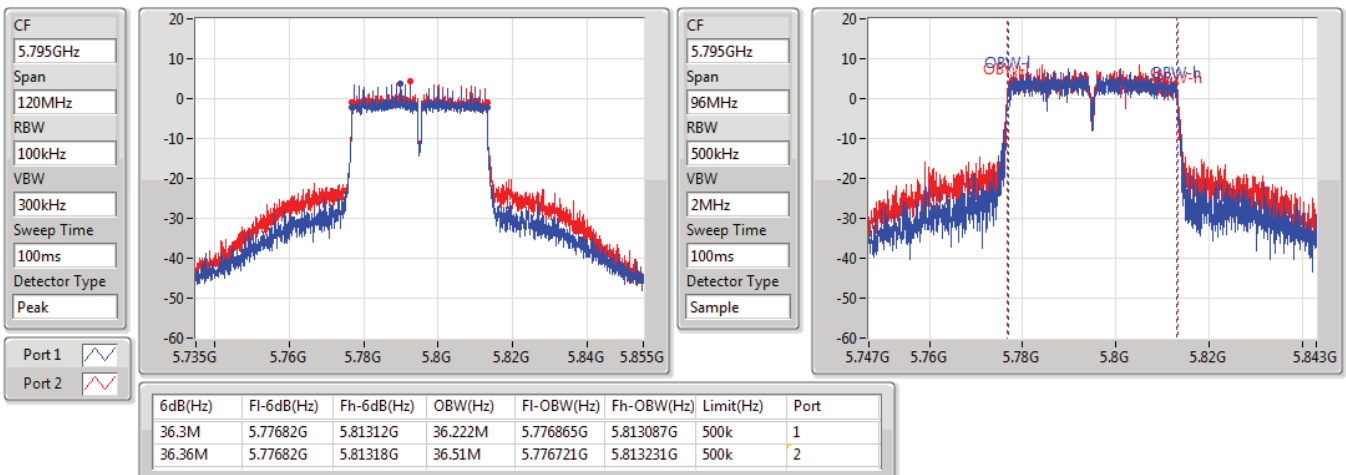


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5755MHz

06/08/2020

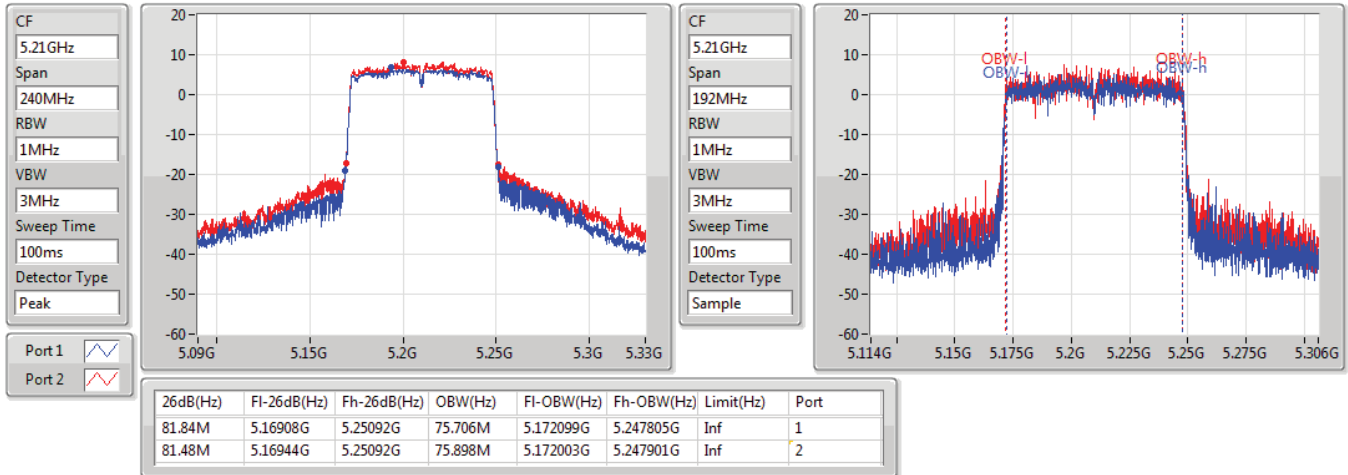

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5795MHz

06/08/2020

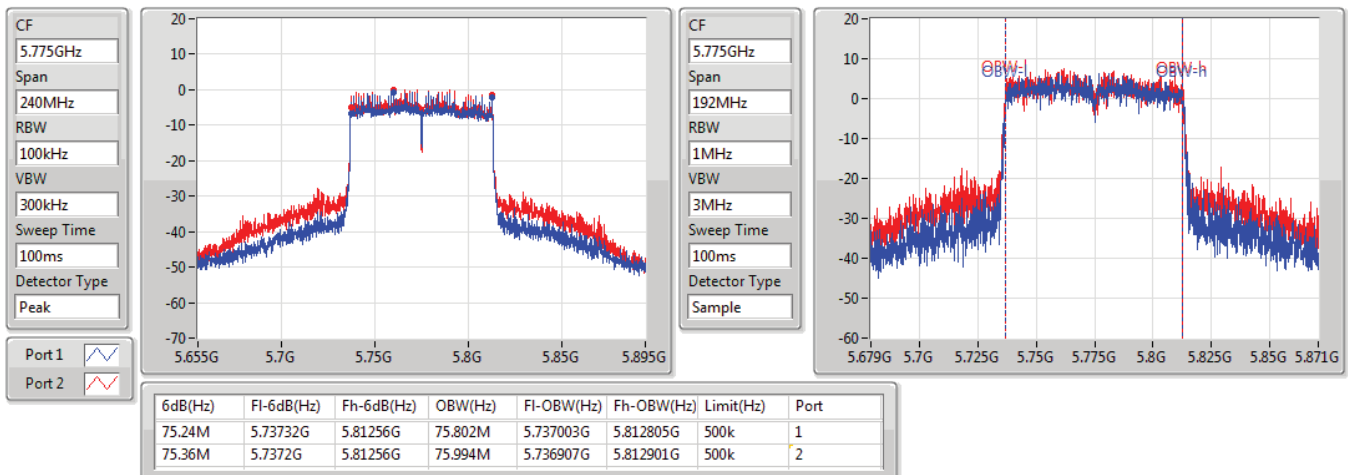


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5210MHz

14/08/2020

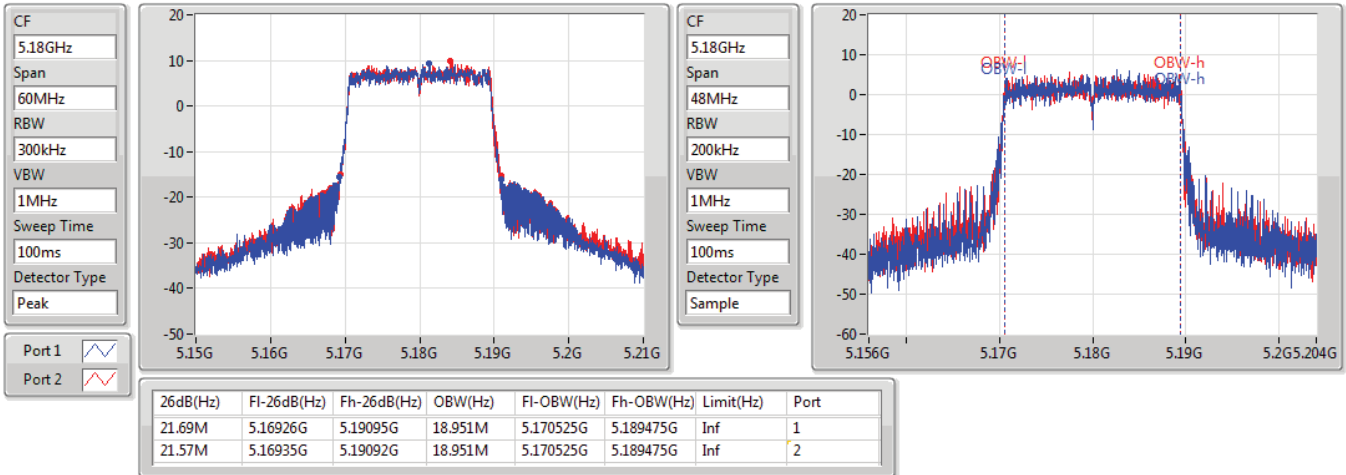

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5775MHz

06/08/2020

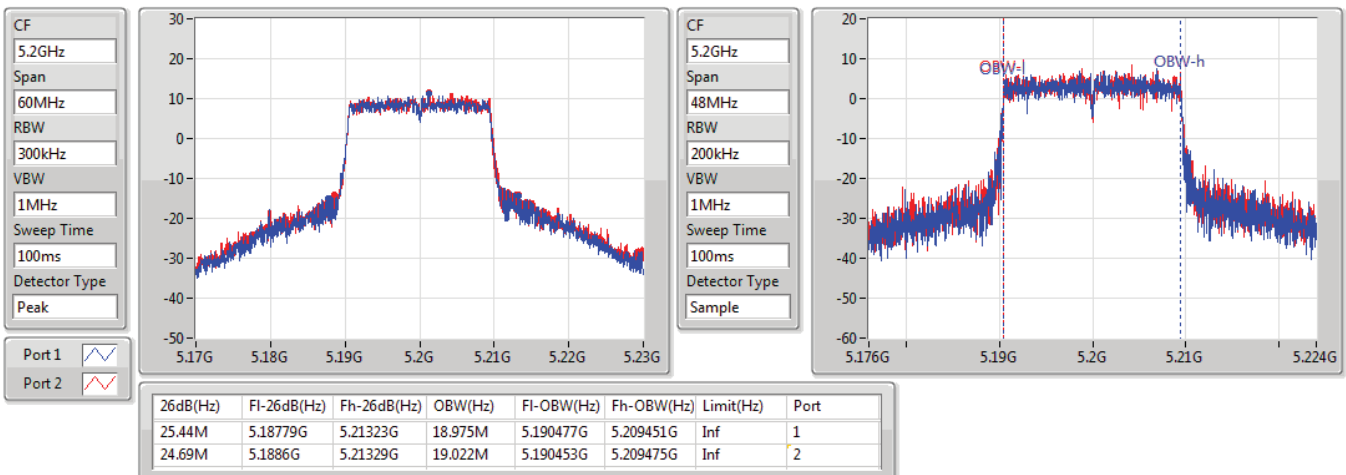


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5180MHz

14/08/2020

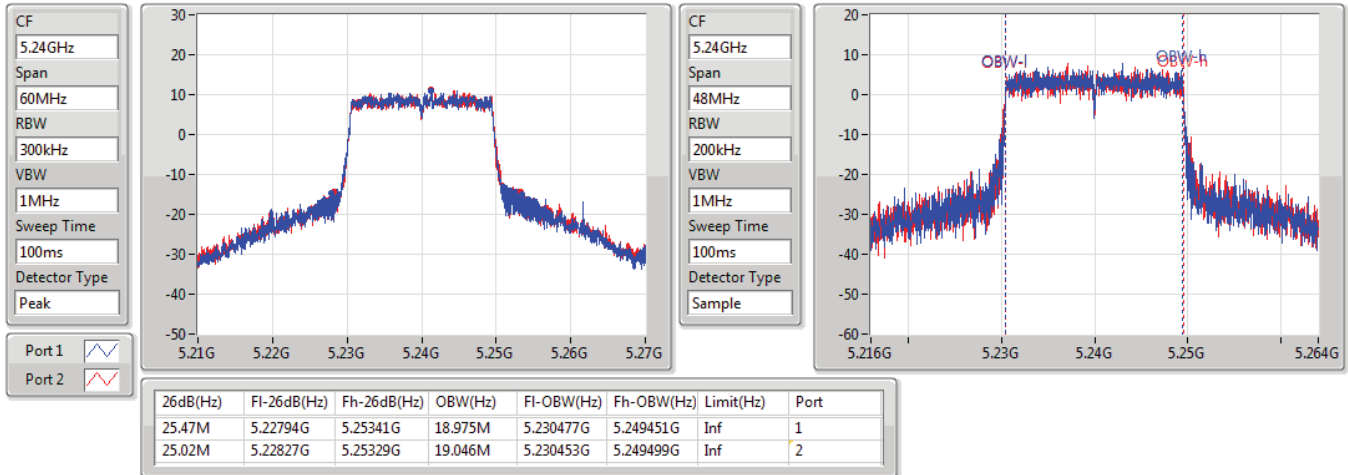

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5200MHz

06/08/2020

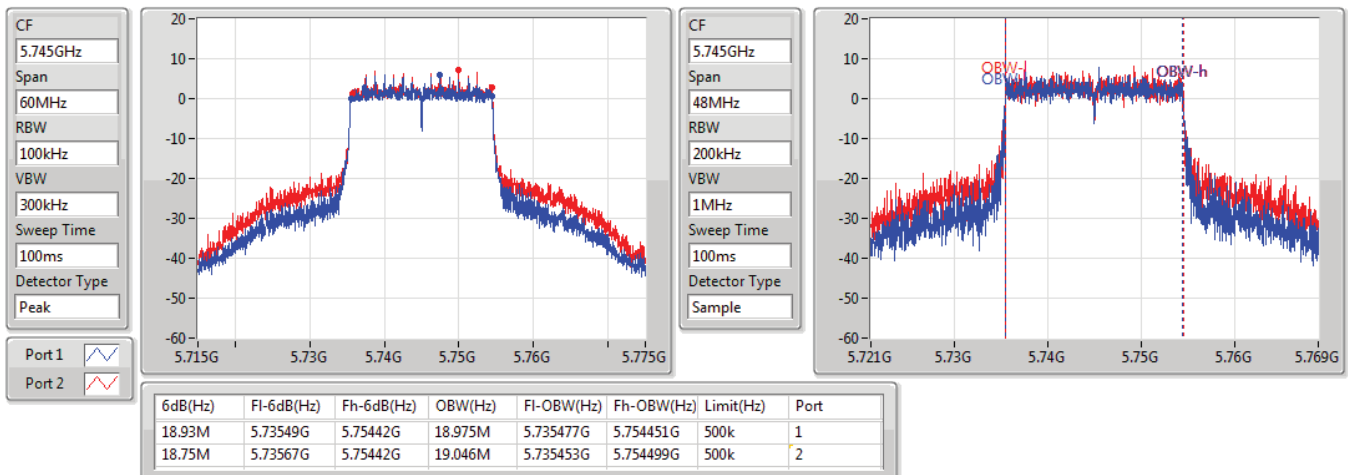


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5240MHz

06/08/2020

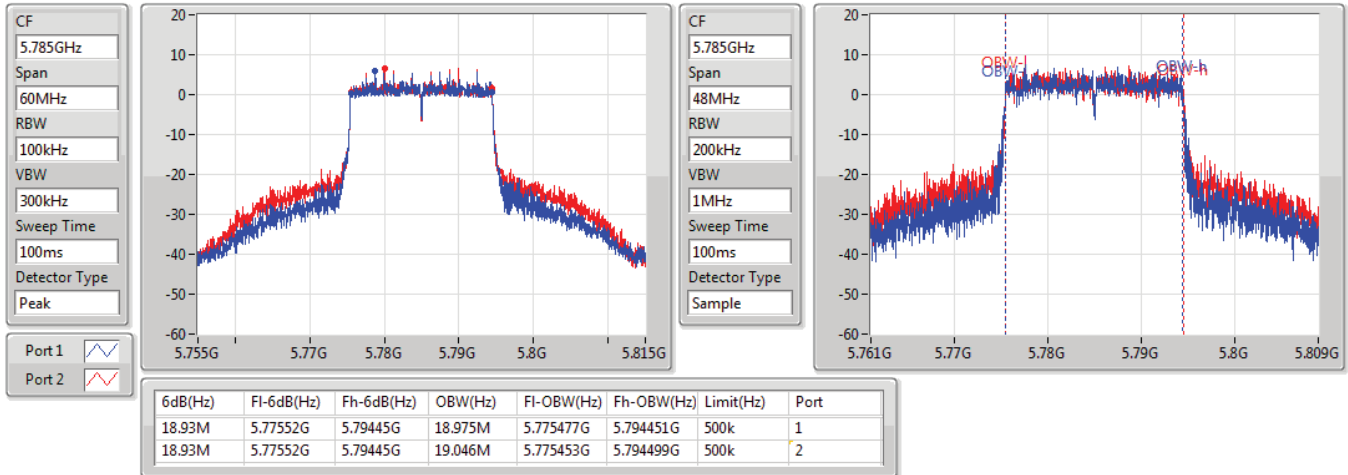

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5745MHz

06/08/2020

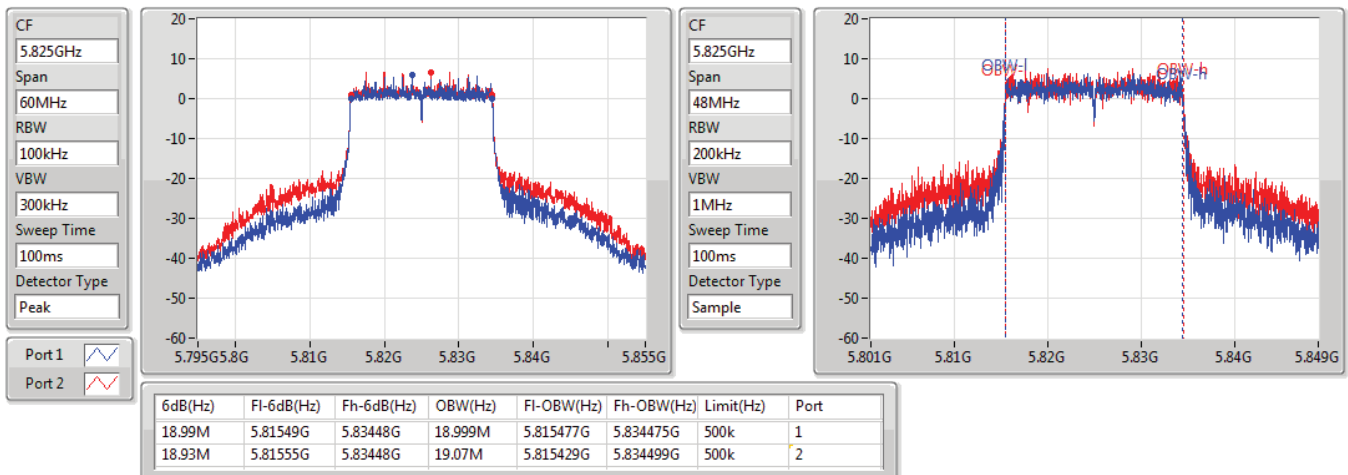


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5785MHz

06/08/2020

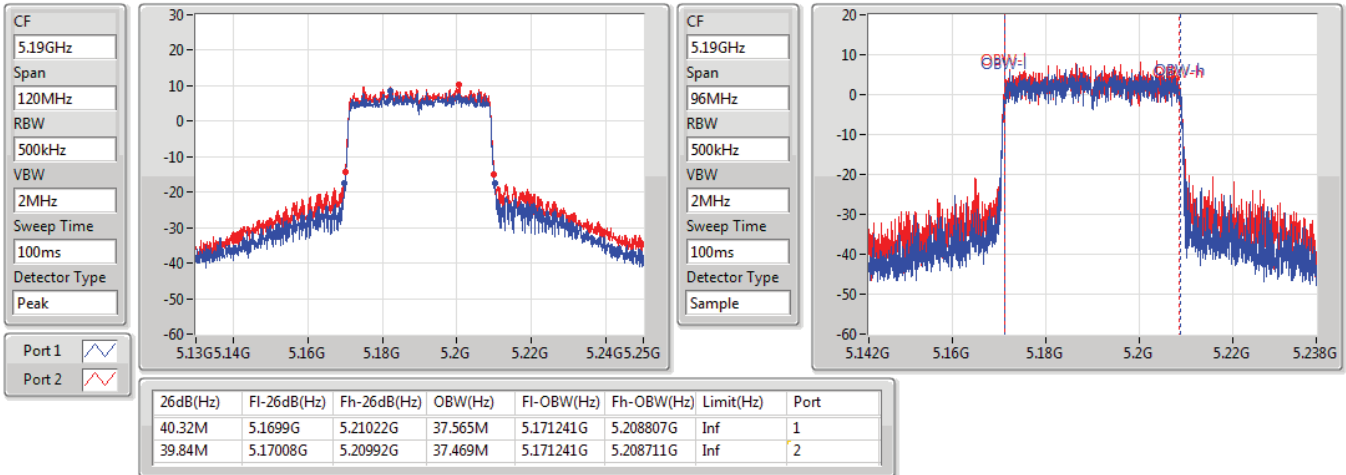

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5825MHz

06/08/2020

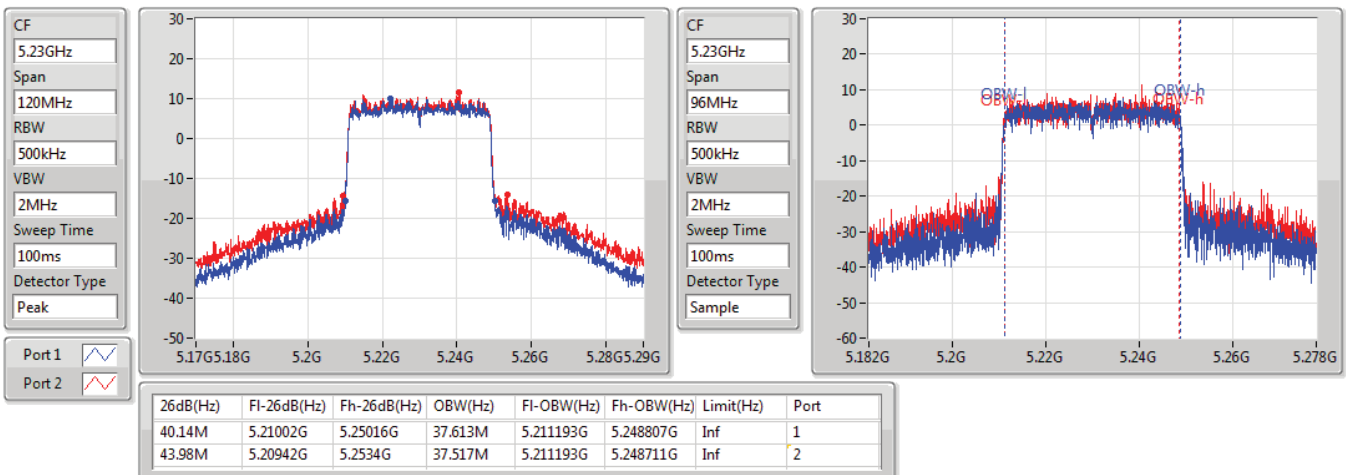


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5190MHz

14/08/2020

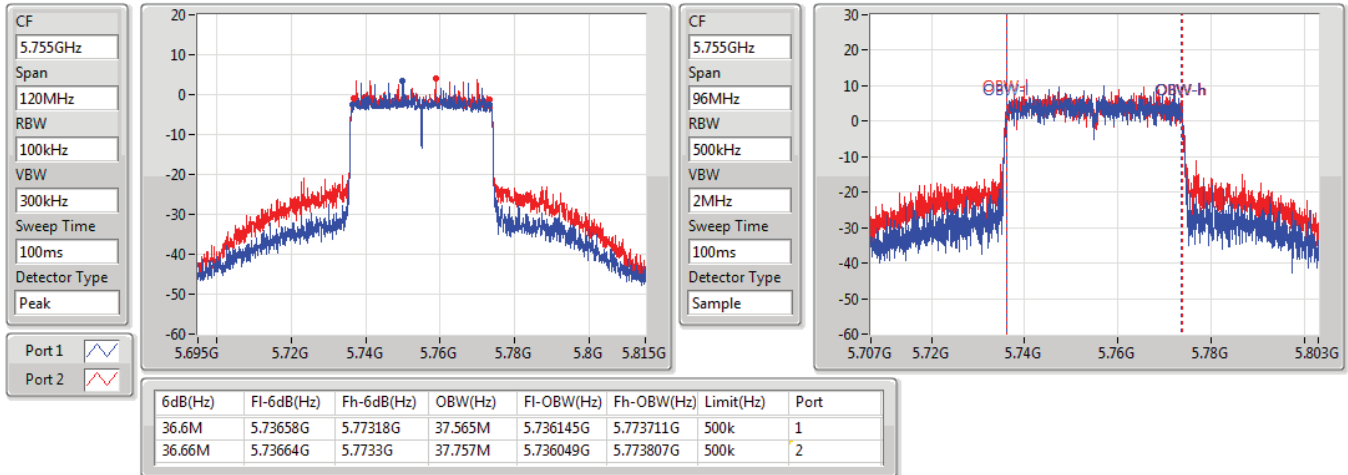

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5230MHz

06/08/2020

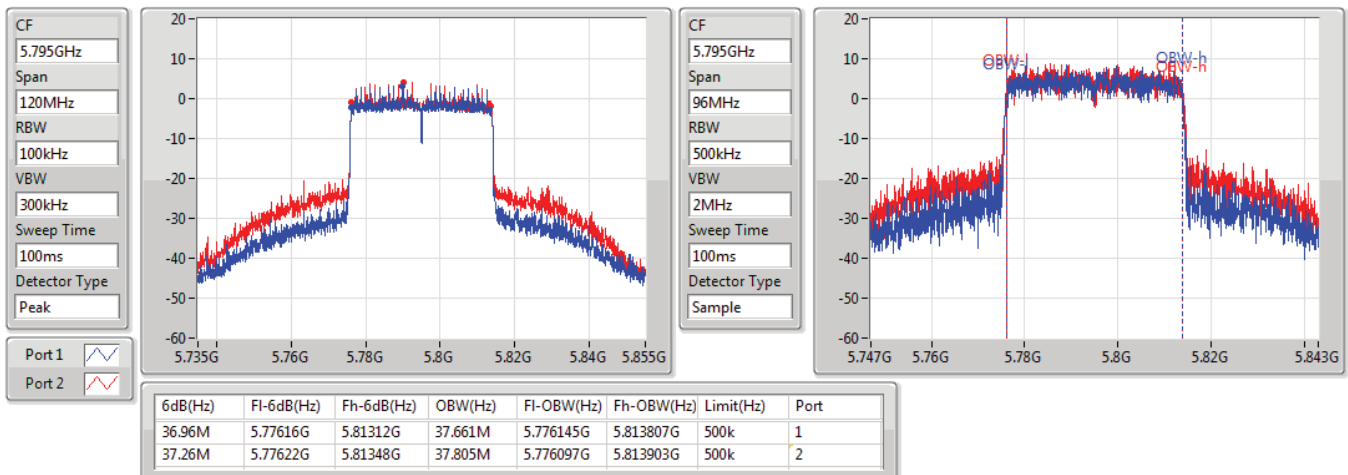


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5755MHz

06/08/2020

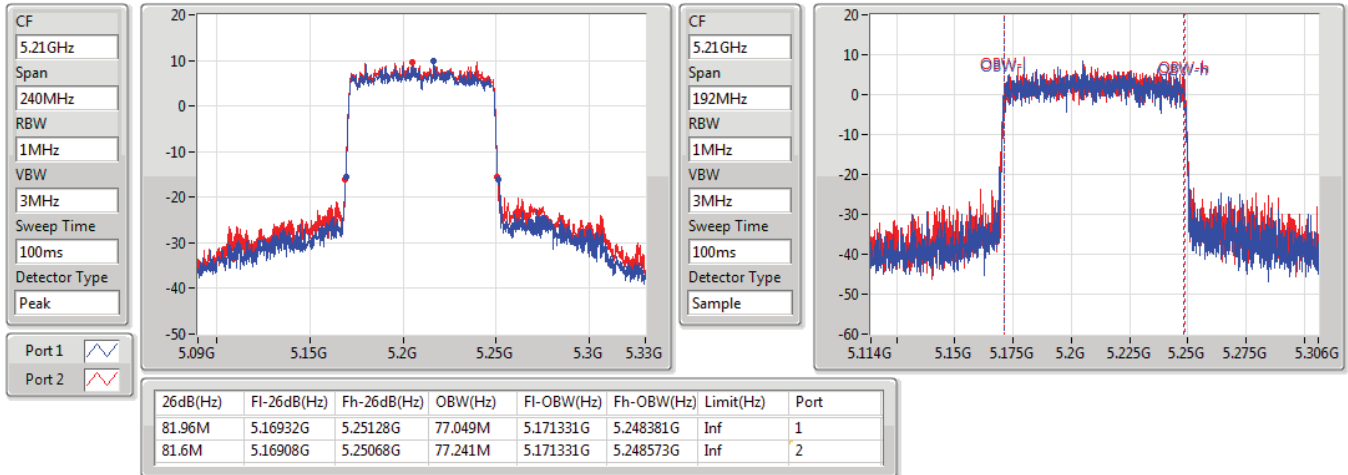

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5795MHz

06/08/2020

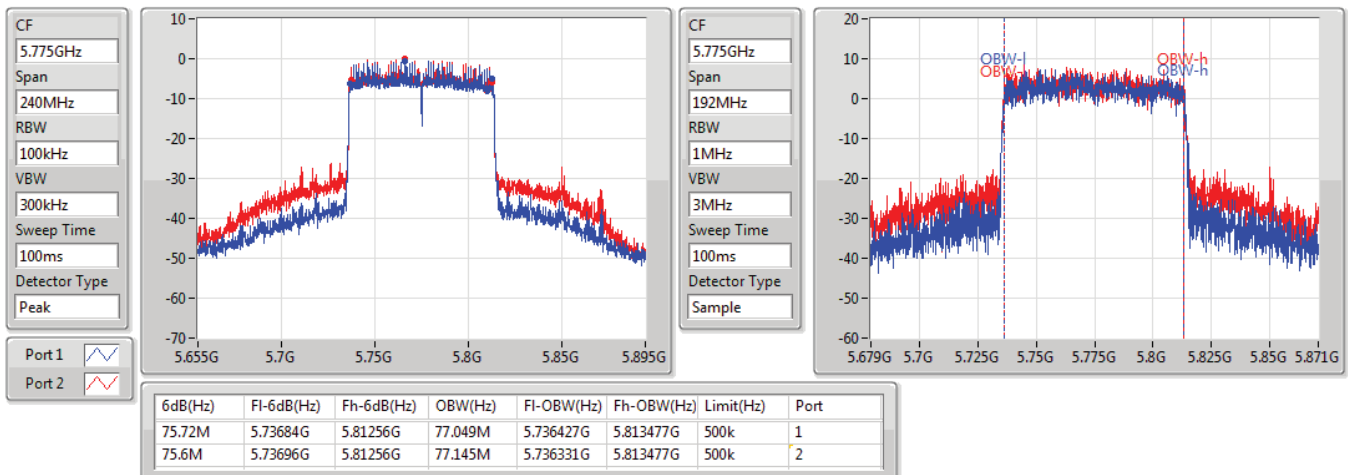


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5210MHz

14/08/2020


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5775MHz

06/08/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	29.39	0.86896	34.46	2.79254
802.11ac VHT20_Nss1,(MCS0)_2TX	29.21	0.83368	34.28	2.67917
802.11ac VHT40_Nss1,(MCS0)_2TX	27.50	0.56234	32.57	1.80717
802.11ac VHT80_Nss1,(MCS0)_2TX	23.66	0.23227	28.73	0.74645
802.11ax HEW20_Nss1,(MCS0)_2TX	29.29	0.84918	34.36	2.72898
802.11ax HEW40_Nss1,(MCS0)_2TX	27.64	0.58076	32.71	1.86638
802.11ax HEW80_Nss1,(MCS0)_2TX	23.86	0.24322	28.93	0.78163



Average Power__Non-Beamforming_Radio 1

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5745MHz	Pass	5.07	26.38	26.37	29.39	30.00	34.46	36.00
5785MHz	Pass	5.07	26.06	26.31	29.20	30.00	34.27	36.00
5825MHz	Pass	5.07	25.84	25.38	28.63	30.00	33.70	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5745MHz	Pass	5.07	26.23	26.16	29.21	30.00	34.28	36.00
5785MHz	Pass	5.07	25.98	26.21	29.11	30.00	34.18	36.00
5825MHz	Pass	5.07	25.74	25.31	28.54	30.00	33.61	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5755MHz	Pass	5.07	23.39	23.46	26.44	30.00	31.51	36.00
5795MHz	Pass	5.07	24.45	24.53	27.50	30.00	32.57	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5775MHz	Pass	5.07	20.68	20.61	23.66	30.00	28.73	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5745MHz	Pass	5.07	26.30	26.26	29.29	30.00	34.36	36.00
5785MHz	Pass	5.07	26.08	26.31	29.21	30.00	34.28	36.00
5825MHz	Pass	5.07	25.85	25.41	28.65	30.00	33.72	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5755MHz	Pass	5.07	23.79	23.62	26.72	30.00	31.79	36.00
5795MHz	Pass	5.07	24.59	24.67	27.64	30.00	32.71	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5775MHz	Pass	5.07	20.91	20.79	23.86	30.00	28.93	36.00

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	26.20	0.41687	34.28	2.67917
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	24.49	0.28119	32.57	1.80717
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	20.65	0.11614	28.73	0.74645
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	26.28	0.42462	34.36	2.72898
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	24.63	0.29040	32.71	1.86638
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	20.85	0.12162	28.93	0.78163

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5745MHz	Pass	8.08	23.22	23.15	26.20	27.92	34.28	36.00
5785MHz	Pass	8.08	22.97	23.20	26.10	27.92	34.18	36.00
5825MHz	Pass	8.08	22.73	22.30	25.53	27.92	33.61	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5755MHz	Pass	8.08	20.38	20.45	23.43	27.92	31.51	36.00
5795MHz	Pass	8.08	21.44	21.52	24.49	27.92	32.57	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5775MHz	Pass	8.08	17.67	17.60	20.65	27.92	28.73	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5745MHz	Pass	8.08	23.29	23.25	26.28	27.92	34.36	36.00
5785MHz	Pass	8.08	23.07	23.30	26.20	27.92	34.28	36.00
5825MHz	Pass	8.08	22.84	22.40	25.64	27.92	33.72	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5755MHz	Pass	8.08	20.78	20.61	23.71	27.92	31.79	36.00
5795MHz	Pass	8.08	21.58	21.66	24.63	27.92	32.71	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5775MHz	Pass	8.08	17.90	17.78	20.85	27.92	28.93	36.00

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.98	0.15776	27.87	0.61235
802.11ac VHT20_Nss1,(MCS0)_2TX	20.79	0.11995	26.68	0.46559
802.11ac VHT40_Nss1,(MCS0)_2TX	20.91	0.12331	26.80	0.47863
802.11ac VHT80_Nss1,(MCS0)_2TX	18.61	0.07261	24.50	0.28184
802.11ax HEW20_Nss1,(MCS0)_2TX	21.09	0.12853	26.98	0.49888
802.11ax HEW40_Nss1,(MCS0)_2TX	21.21	0.13213	27.10	0.51286
802.11ax HEW80_Nss1,(MCS0)_2TX	18.91	0.07780	24.80	0.30200
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	28.21	0.66222	34.10	2.57040
802.11ac VHT20_Nss1,(MCS0)_2TX	27.98	0.62806	33.87	2.43781
802.11ac VHT40_Nss1,(MCS0)_2TX	25.91	0.38994	31.80	1.51356
802.11ac VHT80_Nss1,(MCS0)_2TX	25.97	0.39537	31.86	1.53462
802.11ax HEW20_Nss1,(MCS0)_2TX	28.04	0.63680	33.93	2.47172
802.11ax HEW40_Nss1,(MCS0)_2TX	26.00	0.39811	31.89	1.54525
802.11ax HEW80_Nss1,(MCS0)_2TX	26.20	0.41687	32.09	1.61808



Average Power Non-Beamforming Radio 2

Appendix C.3

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.89	18.46	19.05	21.78	30.00	27.67	36.00
5200MHz	Pass	5.89	18.69	19.24	21.98	30.00	27.87	36.00
5240MHz	Pass	5.89	18.49	19.21	21.88	30.00	27.77	36.00
5745MHz	Pass	5.89	24.91	24.22	27.59	30.00	33.48	36.00
5785MHz	Pass	5.89	25.27	25.13	28.21	30.00	34.10	36.00
5825MHz	Pass	5.89	24.70	23.69	27.23	30.00	33.12	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.89	17.51	18.04	20.79	30.00	26.68	36.00
5200MHz	Pass	5.89	17.39	18.05	20.74	30.00	26.63	36.00
5240MHz	Pass	5.89	17.26	18.04	20.68	30.00	26.57	36.00
5745MHz	Pass	5.89	24.79	24.12	27.48	30.00	33.37	36.00
5785MHz	Pass	5.89	25.02	24.91	27.98	30.00	33.87	36.00
5825MHz	Pass	5.89	24.56	23.68	27.15	30.00	33.04	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.89	15.31	15.64	18.49	30.00	24.38	36.00
5230MHz	Pass	5.89	17.84	17.96	20.91	30.00	26.80	36.00
5755MHz	Pass	5.89	22.40	22.41	25.42	30.00	31.31	36.00
5795MHz	Pass	5.89	23.01	22.79	25.91	30.00	31.80	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.89	15.44	15.76	18.61	30.00	24.50	36.00
5775MHz	Pass	5.89	23.06	22.85	25.97	30.00	31.86	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.89	17.88	18.28	21.09	30.00	26.98	36.00
5200MHz	Pass	5.89	17.77	18.29	21.05	30.00	26.94	36.00
5240MHz	Pass	5.89	17.56	18.29	20.95	30.00	26.84	36.00
5745MHz	Pass	5.89	24.92	24.30	27.63	30.00	33.52	36.00
5785MHz	Pass	5.89	25.07	24.99	28.04	30.00	33.93	36.00
5825MHz	Pass	5.89	24.68	23.75	27.25	30.00	33.14	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.89	15.83	15.85	18.85	30.00	24.74	36.00
5230MHz	Pass	5.89	18.13	18.26	21.21	30.00	27.10	36.00
5755MHz	Pass	5.89	22.53	22.75	25.65	30.00	31.54	36.00
5795MHz	Pass	5.89	23.03	22.95	26.00	30.00	31.89	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.89	15.80	16.00	18.91	30.00	24.80	36.00
5775MHz	Pass	5.89	23.39	22.97	26.20	30.00	32.09	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)_2TX	17.78	0.05998	26.68	0.46559
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	17.90	0.06166	26.80	0.47863
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	15.60	0.03631	24.50	0.28184
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.08	0.06427	26.98	0.49888
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	18.20	0.06607	27.10	0.51286
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	15.90	0.03890	24.80	0.30200
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	24.97	0.31405	33.87	2.43781
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	22.90	0.19498	31.80	1.51356
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	22.96	0.19770	31.86	1.53462
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	25.03	0.31842	33.93	2.47172
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.99	0.19907	31.89	1.54525
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	23.19	0.20845	32.09	1.61808

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.90	14.50	15.03	17.78	27.10	26.68	36.00
5200MHz	Pass	8.90	14.38	15.04	17.73	27.10	26.63	36.00
5240MHz	Pass	8.90	14.25	15.03	17.67	27.10	26.57	36.00
5745MHz	Pass	8.90	21.78	21.11	24.47	27.10	33.37	36.00
5785MHz	Pass	8.90	22.01	21.90	24.97	27.10	33.87	36.00
5825MHz	Pass	8.90	21.55	20.67	24.14	27.10	33.04	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.90	12.30	12.63	15.48	27.10	24.38	36.00
5230MHz	Pass	8.90	14.83	14.95	17.90	27.10	26.80	36.00
5755MHz	Pass	8.90	19.39	19.40	22.41	27.10	31.31	36.00
5795MHz	Pass	8.90	20.00	19.78	22.90	27.10	31.80	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.90	12.43	12.75	15.60	27.10	24.50	36.00
5775MHz	Pass	8.90	20.05	19.84	22.96	27.10	31.86	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.90	14.87	15.27	18.08	27.10	26.98	36.00
5200MHz	Pass	8.90	14.76	15.28	18.04	27.10	26.94	36.00
5240MHz	Pass	8.90	14.55	15.28	17.94	27.10	26.84	36.00
5745MHz	Pass	8.90	21.91	21.29	24.62	27.10	33.52	36.00
5785MHz	Pass	8.90	22.06	21.98	25.03	27.10	33.93	36.00
5825MHz	Pass	8.90	21.67	20.74	24.24	27.10	33.14	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.90	12.82	12.84	15.84	27.10	24.74	36.00
5230MHz	Pass	8.90	15.12	15.25	18.20	27.10	27.10	36.00
5755MHz	Pass	8.90	19.52	19.74	22.64	27.10	31.54	36.00
5795MHz	Pass	8.90	20.02	19.94	22.99	27.10	31.89	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.90	12.79	12.99	15.90	27.10	24.80	36.00
5775MHz	Pass	8.90	20.38	19.96	23.19	27.10	32.09	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	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.26	0.16827	27.70	0.58884
802.11ac VHT20_Nss1,(MCS0)_2TX	21.04	0.12706	26.48	0.44463
802.11ac VHT40_Nss1,(MCS0)_2TX	20.57	0.11402	26.01	0.39902
802.11ac VHT80_Nss1,(MCS0)_2TX	19.06	0.08054	24.50	0.28184
802.11ax HEW20_Nss1,(MCS0)_2TX	21.24	0.13305	26.68	0.46559
802.11ax HEW40_Nss1,(MCS0)_2TX	20.75	0.11885	26.19	0.41591
802.11ax HEW80_Nss1,(MCS0)_2TX	19.27	0.08453	24.71	0.29580
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.90	0.15488	27.34	0.54200
802.11ac VHT20_Nss1,(MCS0)_2TX	20.97	0.12503	26.41	0.43752
802.11ac VHT40_Nss1,(MCS0)_2TX	20.90	0.12303	26.34	0.43053
802.11ac VHT80_Nss1,(MCS0)_2TX	19.61	0.09141	25.05	0.31989
802.11ax HEW20_Nss1,(MCS0)_2TX	21.06	0.12764	26.50	0.44668
802.11ax HEW40_Nss1,(MCS0)_2TX	21.11	0.12912	26.55	0.45186
802.11ax HEW80_Nss1,(MCS0)_2TX	19.90	0.09772	25.34	0.34198



Average Power Non-Beamforming Radio 3

Appendix C.5

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.44	17.11	17.46	20.30	30.00	25.74	36.00
5200MHz	Pass	5.44	19.15	19.34	22.26	30.00	27.70	36.00
5240MHz	Pass	5.44	19.13	19.16	22.16	30.00	27.60	36.00
5745MHz	Pass	5.44	18.20	19.32	21.81	30.00	27.25	36.00
5785MHz	Pass	5.44	18.35	19.23	21.82	30.00	27.26	36.00
5825MHz	Pass	5.44	18.32	19.40	21.90	30.00	27.34	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.44	16.40	16.68	19.55	30.00	24.99	36.00
5200MHz	Pass	5.44	18.00	18.05	21.04	30.00	26.48	36.00
5240MHz	Pass	5.44	17.98	18.06	21.03	30.00	26.47	36.00
5745MHz	Pass	5.44	17.42	18.21	20.84	30.00	26.28	36.00
5785MHz	Pass	5.44	17.59	18.02	20.82	30.00	26.26	36.00
5825MHz	Pass	5.44	17.63	18.26	20.97	30.00	26.41	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.44	15.70	16.67	19.22	30.00	24.66	36.00
5230MHz	Pass	5.44	17.17	17.91	20.57	30.00	26.01	36.00
5755MHz	Pass	5.44	17.49	18.26	20.90	30.00	26.34	36.00
5795MHz	Pass	5.44	17.50	18.14	20.84	30.00	26.28	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.44	15.81	16.28	19.06	30.00	24.50	36.00
5775MHz	Pass	5.44	16.30	16.88	19.61	30.00	25.05	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.44	16.75	16.83	19.80	30.00	25.24	36.00
5200MHz	Pass	5.44	17.74	18.39	21.09	30.00	26.53	36.00
5240MHz	Pass	5.44	18.24	18.21	21.24	30.00	26.68	36.00
5745MHz	Pass	5.44	17.71	18.35	21.05	30.00	26.49	36.00
5785MHz	Pass	5.44	17.90	18.19	21.06	30.00	26.50	36.00
5825MHz	Pass	5.44	17.74	18.31	21.04	30.00	26.48	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.44	15.89	16.94	19.46	30.00	24.90	36.00
5230MHz	Pass	5.44	17.34	18.10	20.75	30.00	26.19	36.00
5755MHz	Pass	5.44	17.70	18.42	21.09	30.00	26.53	36.00
5795MHz	Pass	5.44	17.94	18.26	21.11	30.00	26.55	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.44	15.93	16.57	19.27	30.00	24.71	36.00
5775MHz	Pass	5.44	16.55	17.20	19.90	30.00	25.34	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)_2TX	18.03	0.06353	26.48	0.44463
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	17.56	0.05702	26.01	0.39902
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	16.05	0.04027	24.50	0.28184
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.23	0.06653	26.68	0.46559
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	17.74	0.05943	26.19	0.41591
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.26	0.04227	24.71	0.29580
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.96	0.06252	26.41	0.43752
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	17.89	0.06152	26.34	0.43053
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	16.60	0.04571	25.05	0.31989
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.05	0.06383	26.50	0.44668
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	18.10	0.06457	26.55	0.45186
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.89	0.04887	25.34	0.34198

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.45	13.39	13.67	16.54	27.55	24.99	36.00
5200MHz	Pass	8.45	14.99	15.04	18.03	27.55	26.48	36.00
5240MHz	Pass	8.45	14.97	15.05	18.02	27.55	26.47	36.00
5745MHz	Pass	8.45	14.41	15.20	17.83	27.55	26.28	36.00
5785MHz	Pass	8.45	14.58	15.01	17.81	27.55	26.26	36.00
5825MHz	Pass	8.45	14.62	15.25	17.96	27.55	26.41	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.45	12.69	13.66	16.21	27.55	24.66	36.00
5230MHz	Pass	8.45	14.16	14.90	17.56	27.55	26.01	36.00
5755MHz	Pass	8.45	14.48	15.25	17.89	27.55	26.34	36.00
5795MHz	Pass	8.45	14.49	15.13	17.83	27.55	26.28	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.45	12.80	13.27	16.05	27.55	24.50	36.00
5775MHz	Pass	8.45	13.29	13.87	16.60	27.55	25.05	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.45	13.74	13.82	16.79	27.55	25.24	36.00
5200MHz	Pass	8.45	14.73	15.38	18.08	27.55	26.53	36.00
5240MHz	Pass	8.45	15.23	15.20	18.23	27.55	26.68	36.00
5745MHz	Pass	8.45	14.70	15.34	18.04	27.55	26.49	36.00
5785MHz	Pass	8.45	14.89	15.18	18.05	27.55	26.50	36.00
5825MHz	Pass	8.45	14.73	15.30	18.03	27.55	26.48	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.45	12.88	13.93	16.45	27.55	24.90	36.00
5230MHz	Pass	8.45	14.33	15.09	17.74	27.55	26.19	36.00
5755MHz	Pass	8.45	14.69	15.41	18.08	27.55	26.53	36.00
5795MHz	Pass	8.45	14.93	15.25	18.10	27.55	26.55	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.45	12.92	13.56	16.26	27.55	24.71	36.00
5775MHz	Pass	8.45	13.54	14.19	16.89	27.55	25.34	36.00

**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	13.60	21.41
802.11ac VHT20_Nss1,(MCS0)_2TX	13.25	21.06
802.11ac VHT40_Nss1,(MCS0)_2TX	8.71	16.52
802.11ac VHT80_Nss1,(MCS0)_2TX	2.45	10.26
802.11ax HEW20_Nss1,(MCS0)_2TX	13.07	20.88
802.11ax HEW40_Nss1,(MCS0)_2TX	8.61	16.42
802.11ax HEW80_Nss1,(MCS0)_2TX	2.43	10.24



Result

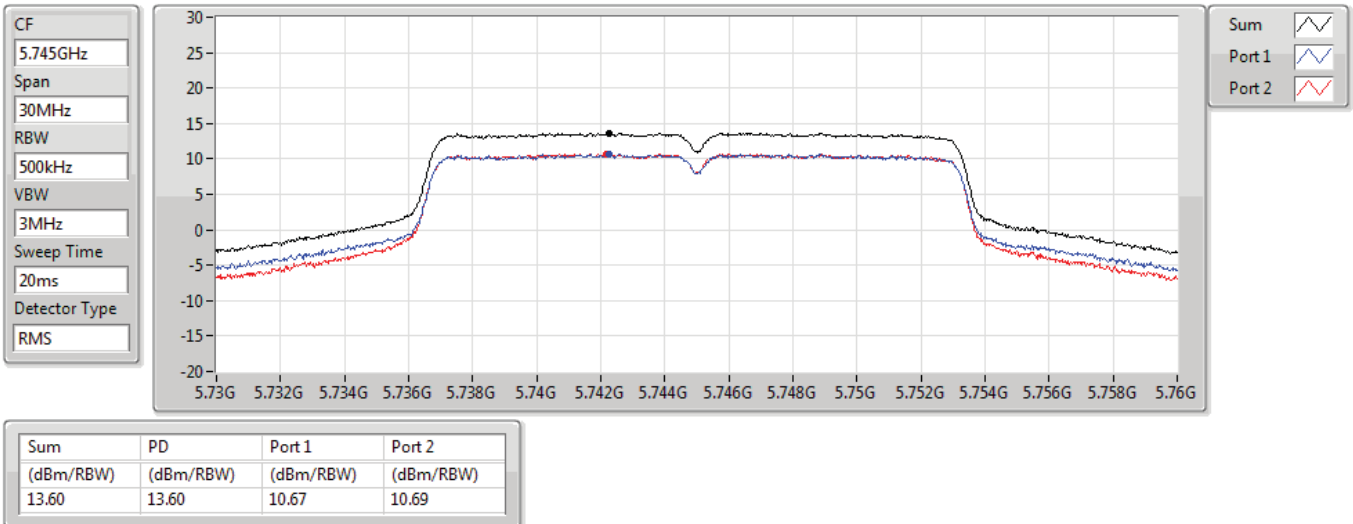
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5745MHz	Pass	7.81	10.67	10.69	13.60	28.19	21.41	36.00
5785MHz	Pass	7.81	10.20	10.45	13.28	28.19	21.09	36.00
5825MHz	Pass	7.81	9.90	9.41	12.61	28.19	20.42	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5745MHz	Pass	7.81	10.29	10.39	13.25	28.19	21.06	36.00
5785MHz	Pass	7.81	9.84	10.14	12.99	28.19	20.80	36.00
5825MHz	Pass	7.81	9.59	9.12	12.26	28.19	20.07	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5755MHz	Pass	7.81	4.79	4.83	7.81	28.19	15.62	36.00
5795MHz	Pass	7.81	5.66	5.91	8.71	28.19	16.52	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5775MHz	Pass	7.81	-0.62	-0.50	2.45	28.19	10.26	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5745MHz	Pass	7.81	10.11	10.04	13.07	28.19	20.88	36.00
5785MHz	Pass	7.81	9.63	9.88	12.67	28.19	20.48	36.00
5825MHz	Pass	7.81	9.45	8.86	12.11	28.19	19.92	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5755MHz	Pass	7.81	4.85	4.76	7.81	28.19	15.62	36.00
5795MHz	Pass	7.81	5.53	5.83	8.61	28.19	16.42	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5775MHz	Pass	7.81	-0.55	-0.36	2.43	28.19	10.24	36.00

802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

08/09/2020

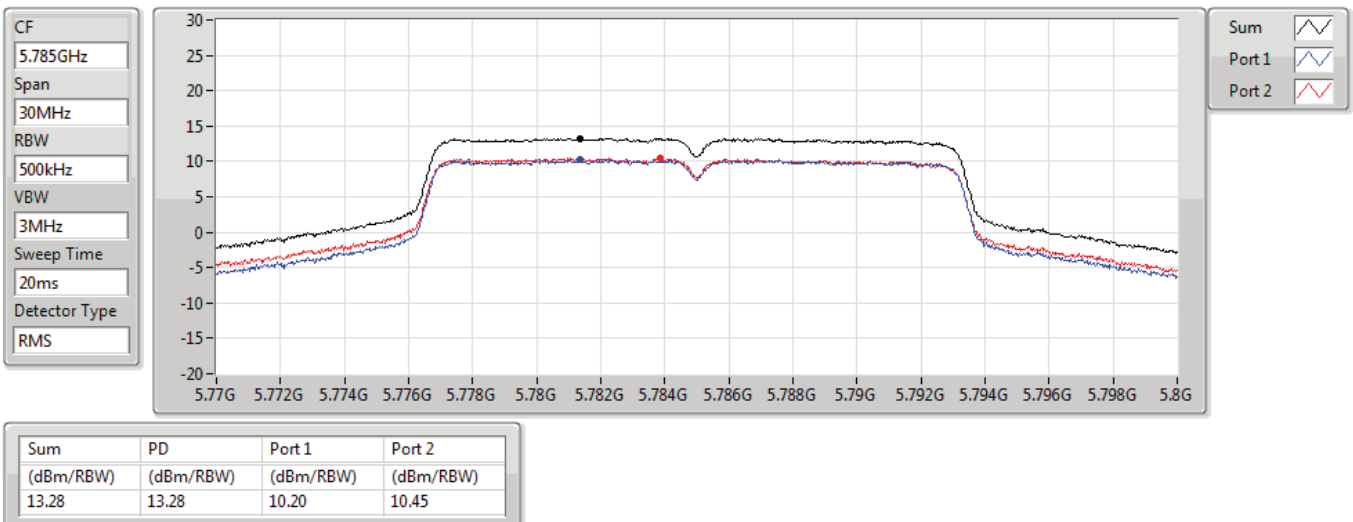


802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

08/09/2020

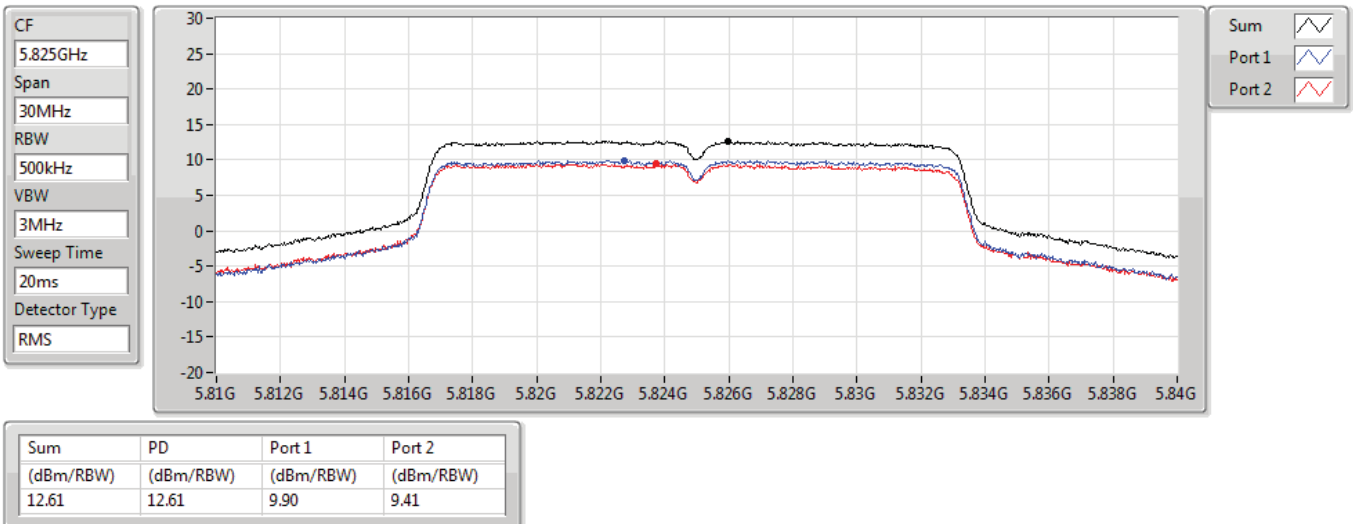


802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

08/09/2020

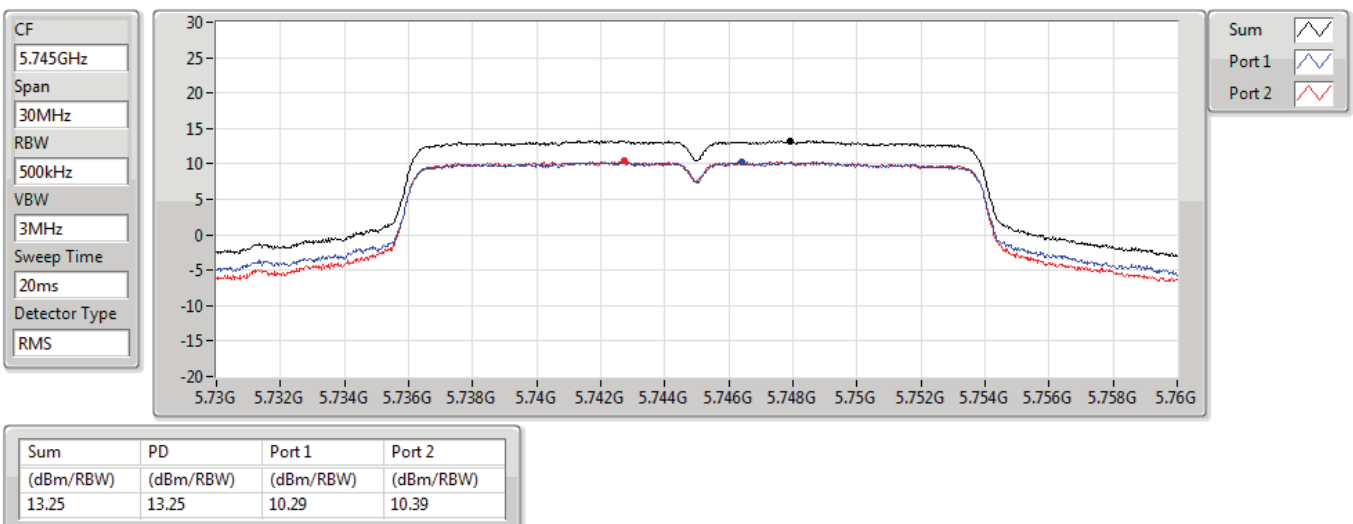


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5745MHz

08/09/2020

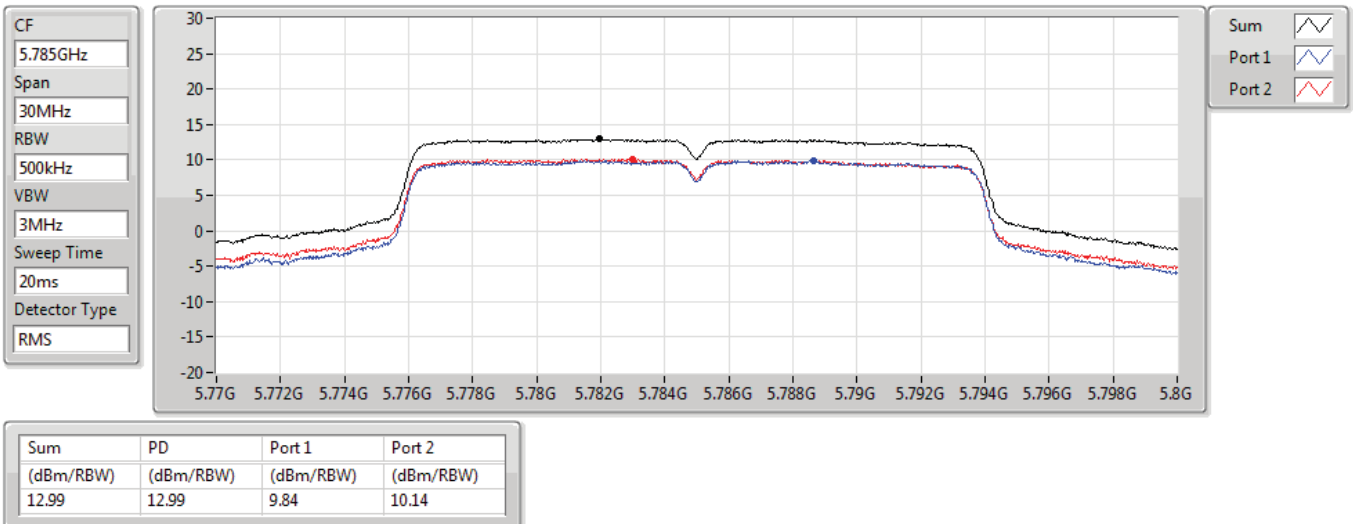


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5785MHz

08/09/2020

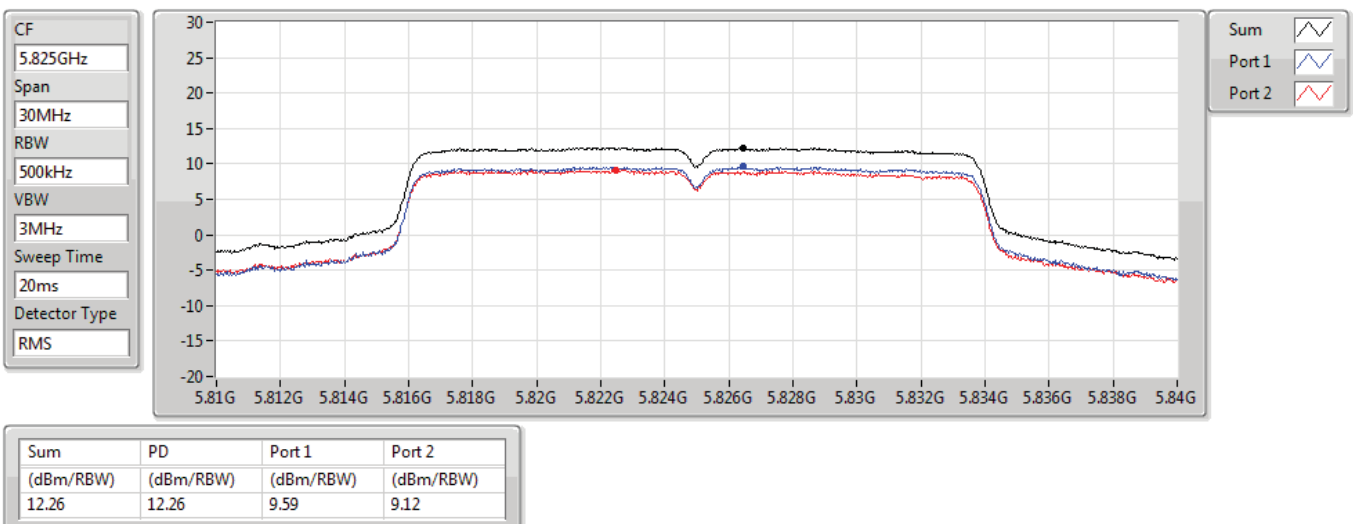


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5825MHz

08/09/2020

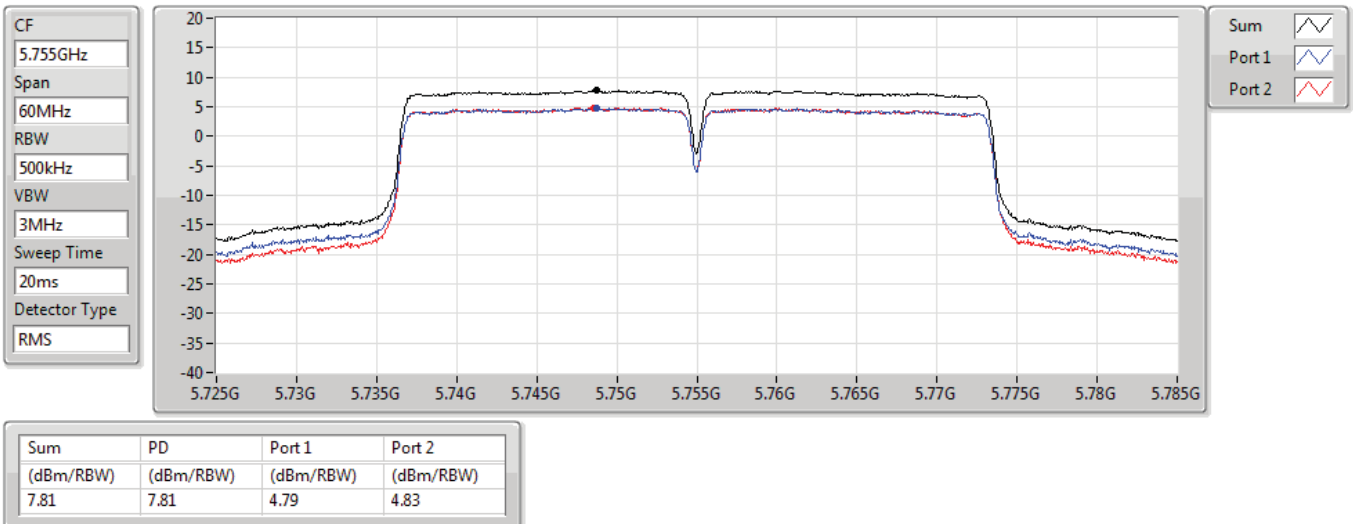


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5755MHz

08/09/2020

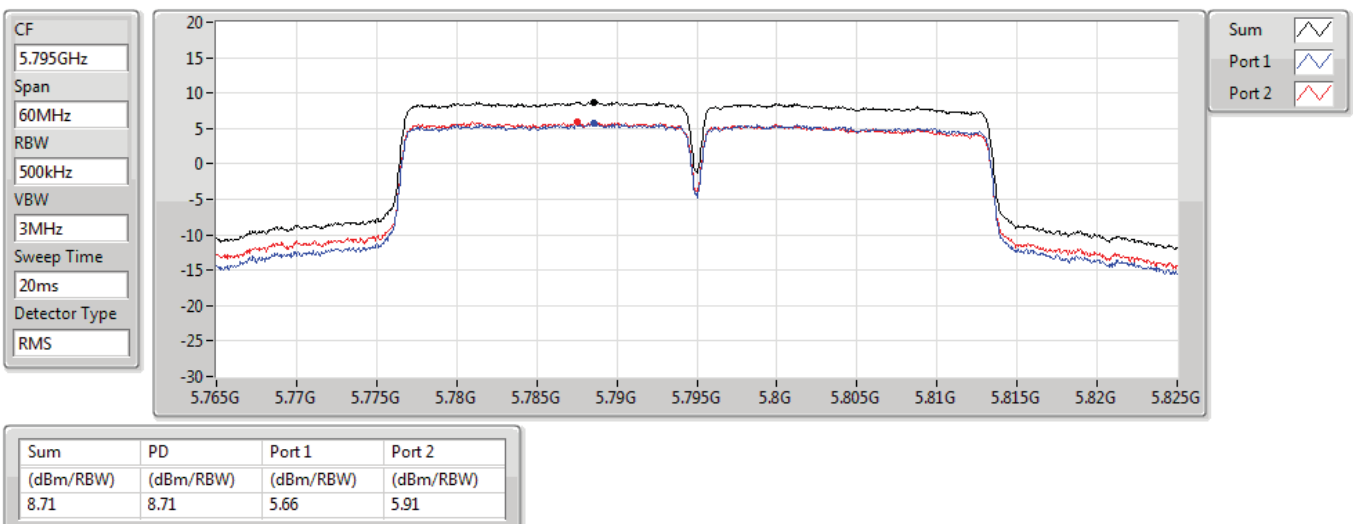


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5795MHz

08/09/2020

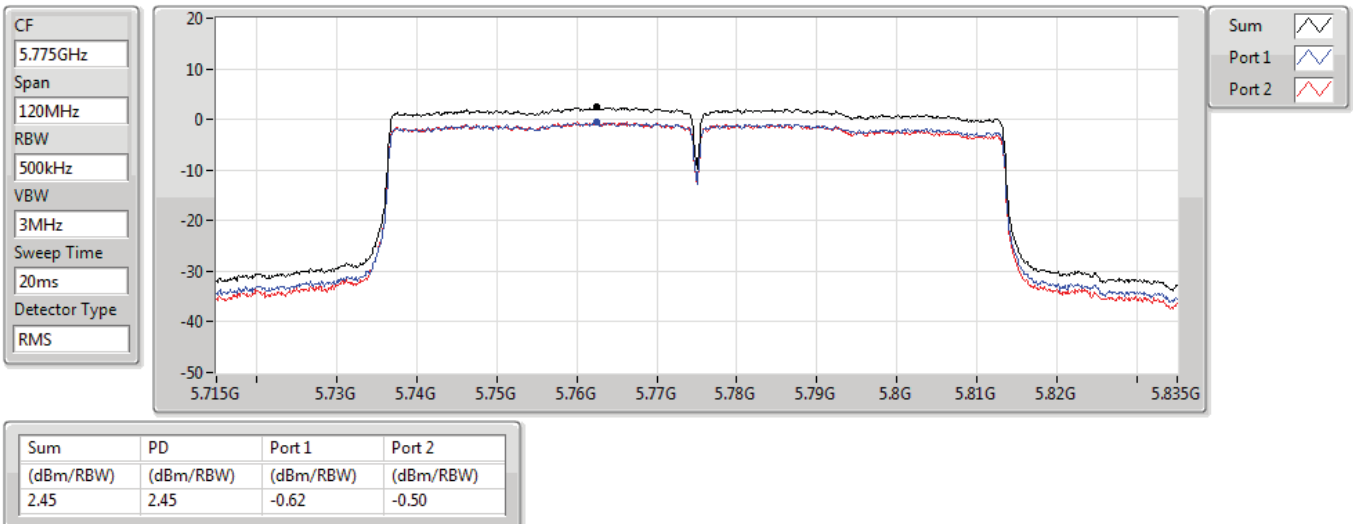


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5775MHz

08/09/2020

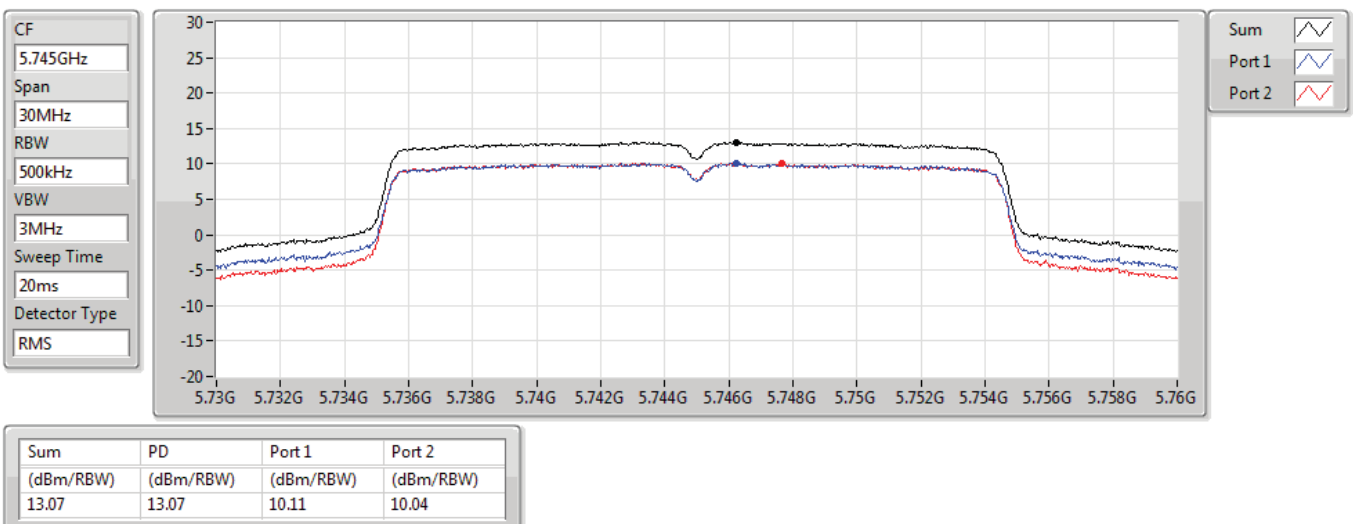


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5745MHz

08/09/2020

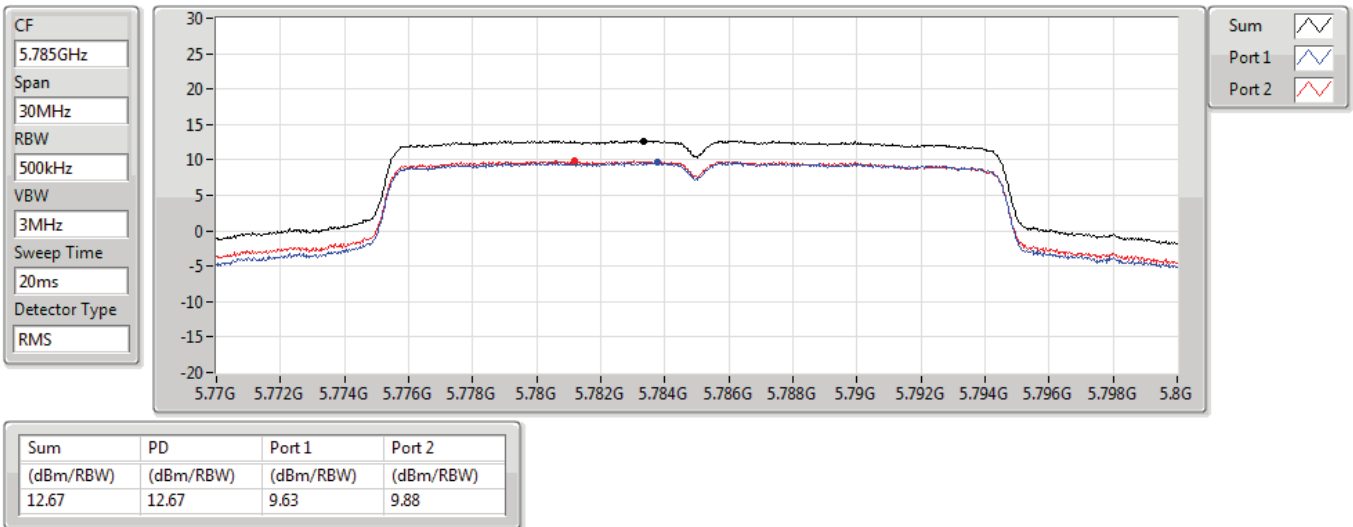


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

08/09/2020

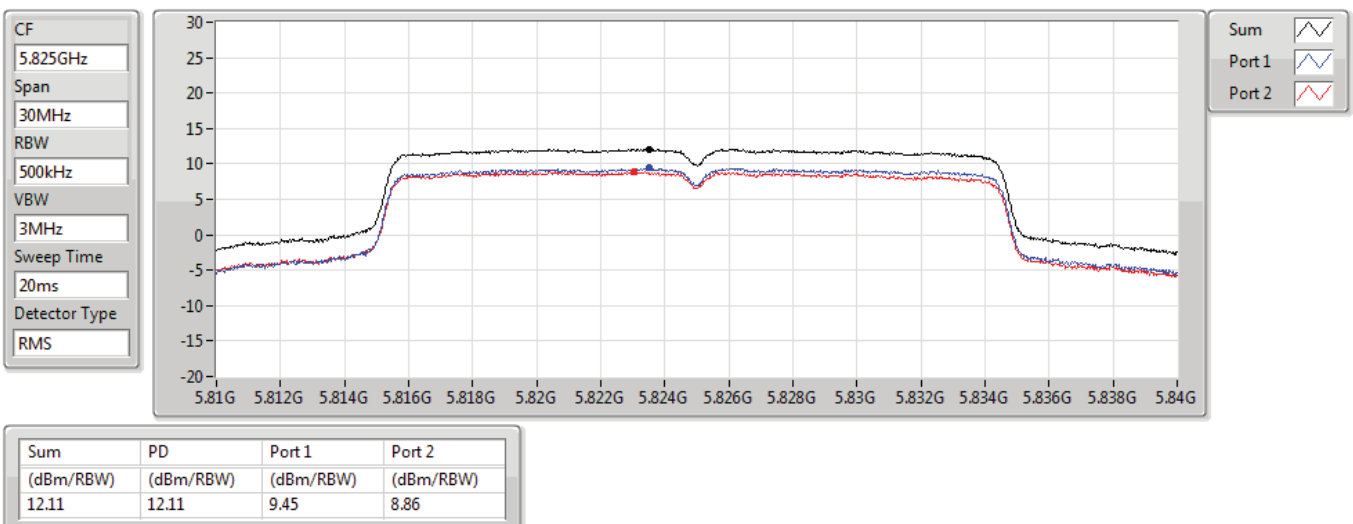


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5825MHz

08/09/2020

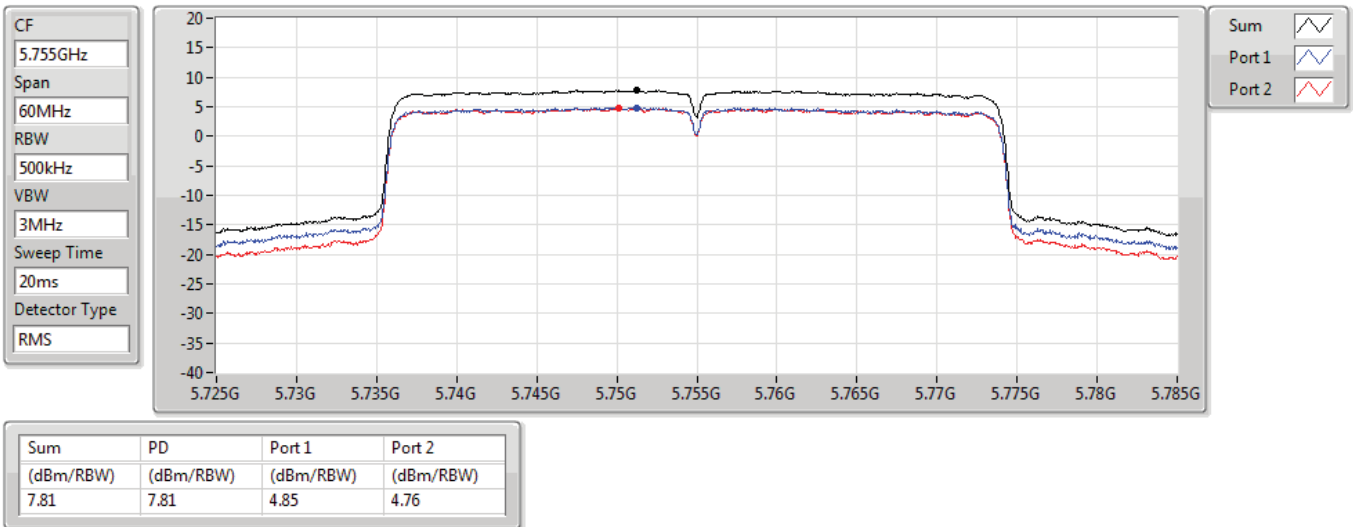


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5755MHz

08/09/2020

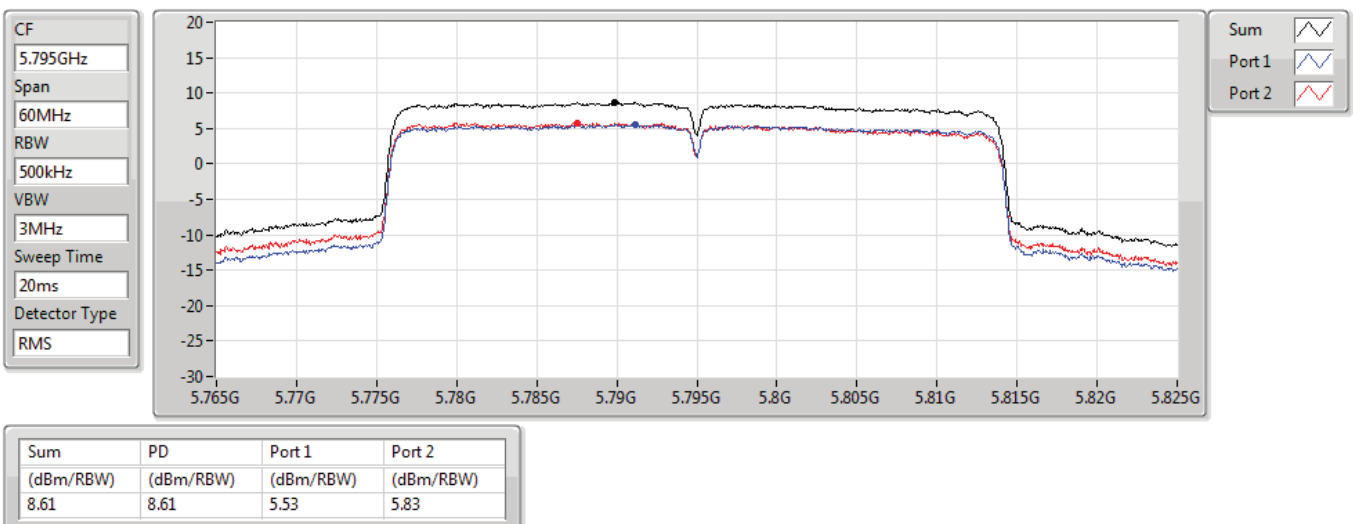


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5795MHz

08/09/2020

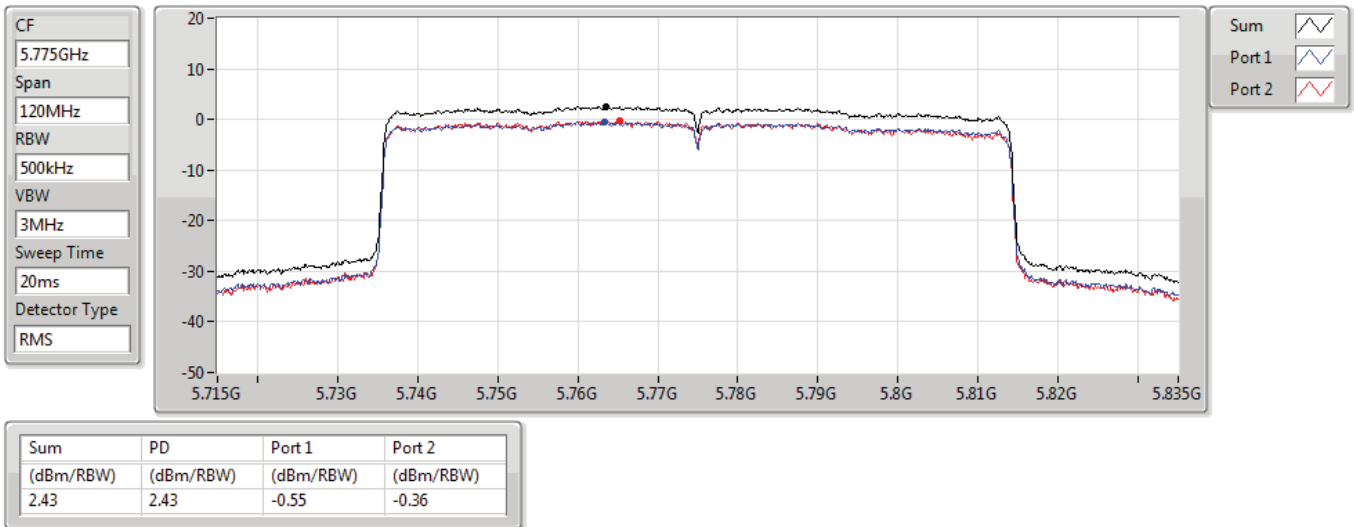


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz

08/09/2020



**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.05	16.55
802.11ac VHT20_Nss1,(MCS0)_2TX	6.68	15.18
802.11ac VHT40_Nss1,(MCS0)_2TX	4.02	12.52
802.11ac VHT80_Nss1,(MCS0)_2TX	-0.09	8.41
802.11ax HEW20_Nss1,(MCS0)_2TX	6.67	15.17
802.11ax HEW40_Nss1,(MCS0)_2TX	4.10	12.60
802.11ax HEW80_Nss1,(MCS0)_2TX	0.16	8.66
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	12.31	20.81
802.11ac VHT20_Nss1,(MCS0)_2TX	11.88	20.38
802.11ac VHT40_Nss1,(MCS0)_2TX	7.05	15.55
802.11ac VHT80_Nss1,(MCS0)_2TX	4.70	13.20
802.11ax HEW20_Nss1,(MCS0)_2TX	11.63	20.13
802.11ax HEW40_Nss1,(MCS0)_2TX	7.04	15.54
802.11ax HEW80_Nss1,(MCS0)_2TX	4.69	13.19

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.50	4.82	5.26	8.00	14.50	16.50	23.00
5200MHz	Pass	8.50	4.94	5.37	8.05	14.50	16.55	23.00
5240MHz	Pass	8.50	4.66	5.35	8.02	14.50	16.52	23.00
5745MHz	Pass	8.50	9.36	8.83	12.01	27.50	20.51	36.00
5785MHz	Pass	8.50	9.42	9.42	12.31	27.50	20.81	36.00
5825MHz	Pass	8.50	9.02	8.12	11.41	27.50	19.91	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.50	3.39	3.96	6.64	14.50	15.14	23.00
5200MHz	Pass	8.50	3.46	3.97	6.68	14.50	15.18	23.00
5240MHz	Pass	8.50	3.26	4.01	6.60	14.50	15.10	23.00
5745MHz	Pass	8.50	8.99	8.42	11.60	27.50	20.10	36.00
5785MHz	Pass	8.50	9.05	8.94	11.88	27.50	20.38	36.00
5825MHz	Pass	8.50	8.62	7.72	11.03	27.50	19.53	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.50	-0.44	-0.16	2.64	14.50	11.14	23.00
5230MHz	Pass	8.50	0.93	1.25	4.02	14.50	12.52	23.00
5755MHz	Pass	8.50	3.82	4.04	6.79	27.50	15.29	36.00
5795MHz	Pass	8.50	4.35	3.97	7.05	27.50	15.55	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.50	-3.15	-2.95	-0.09	14.50	8.41	23.00
5775MHz	Pass	8.50	1.91	1.62	4.70	27.50	13.20	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.50	3.50	3.94	6.67	14.50	15.17	23.00
5200MHz	Pass	8.50	3.39	3.89	6.56	14.50	15.06	23.00
5240MHz	Pass	8.50	3.35	3.83	6.57	14.50	15.07	23.00
5745MHz	Pass	8.50	8.90	8.35	11.52	27.50	20.02	36.00
5785MHz	Pass	8.50	8.63	8.74	11.63	27.50	20.13	36.00
5825MHz	Pass	8.50	8.41	7.42	10.90	27.50	19.40	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.50	-0.25	-0.12	2.81	14.50	11.31	23.00
5230MHz	Pass	8.50	1.04	1.15	4.10	14.50	12.60	23.00
5755MHz	Pass	8.50	3.72	4.04	6.86	27.50	15.36	36.00
5795MHz	Pass	8.50	4.14	4.10	7.04	27.50	15.54	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.50	-2.85	-2.68	0.16	14.50	8.66	23.00
5775MHz	Pass	8.50	1.99	1.69	4.69	27.50	13.19	36.00

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

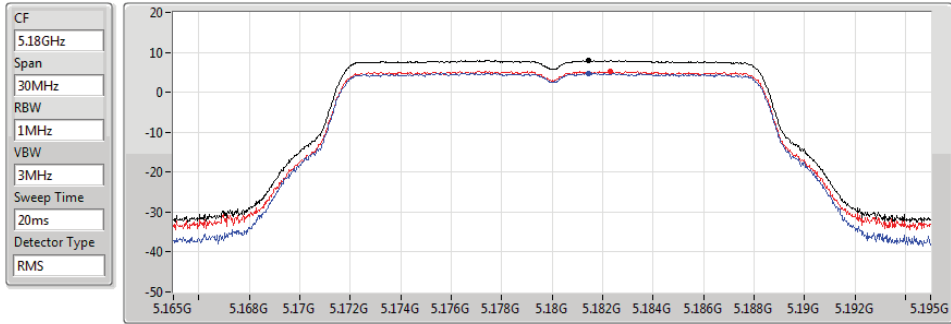
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

5180MHz

PSD

06/08/2020



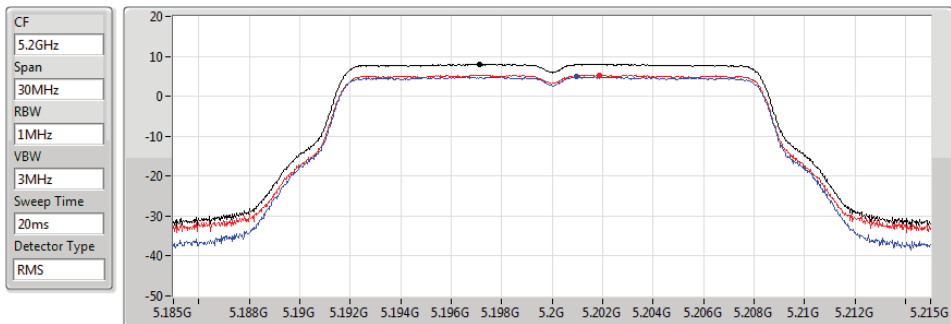
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.00	8.00	4.82	5.26

802.11a_Nss1,(6Mbps)_2TX

5200MHz

PSD

06/08/2020



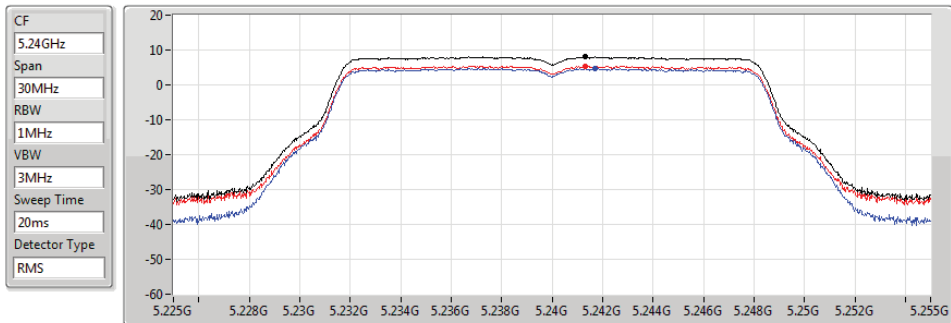
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.05	8.05	4.94	5.37

802.11a_Nss1,(6Mbps)_2TX

5240MHz

PSD

06/08/2020



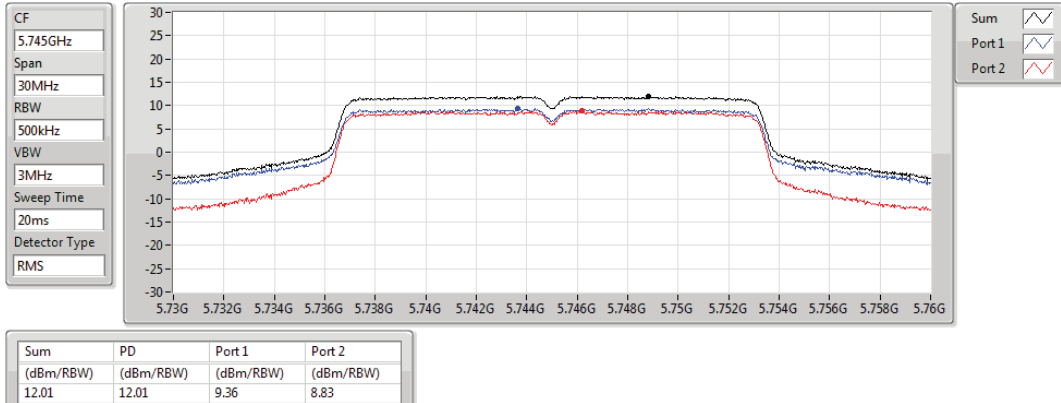
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.02	8.02	4.66	5.35

802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

08/09/2020

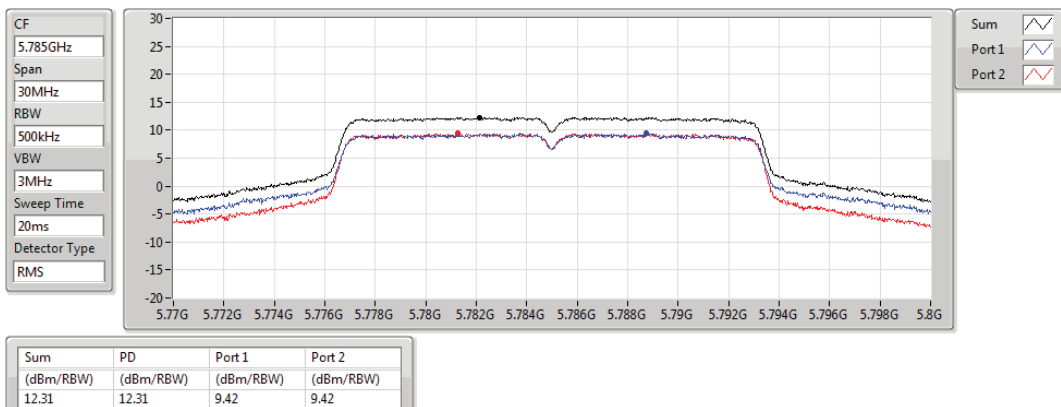


802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

08/09/2020

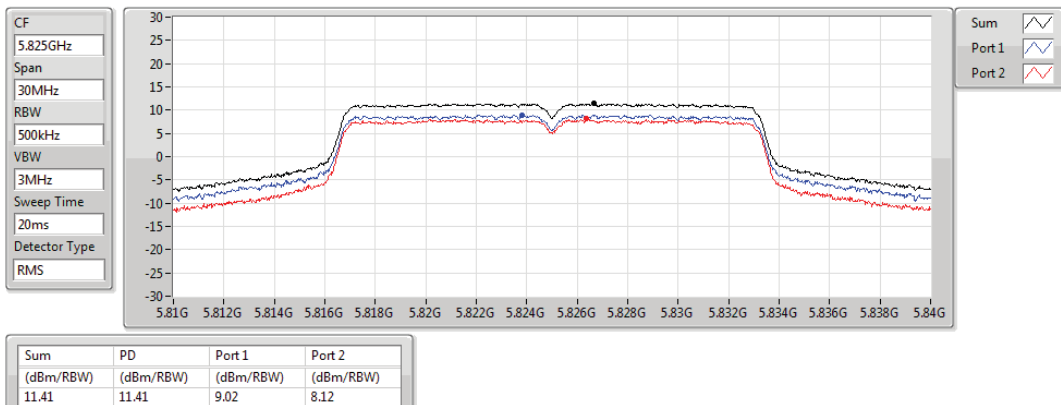


802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

08/09/2020



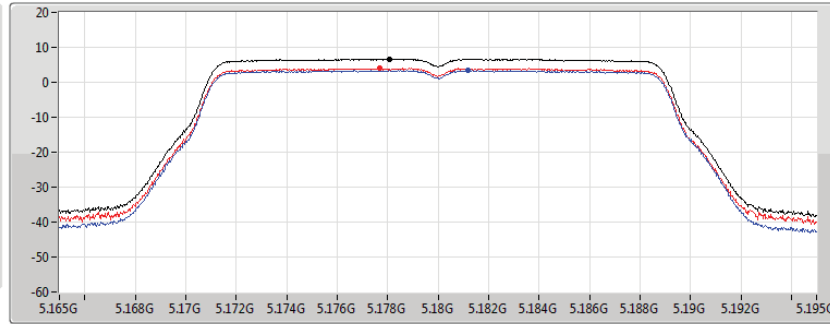
802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz

PSD

06/08/2020

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.64	6.64	3.39	3.96

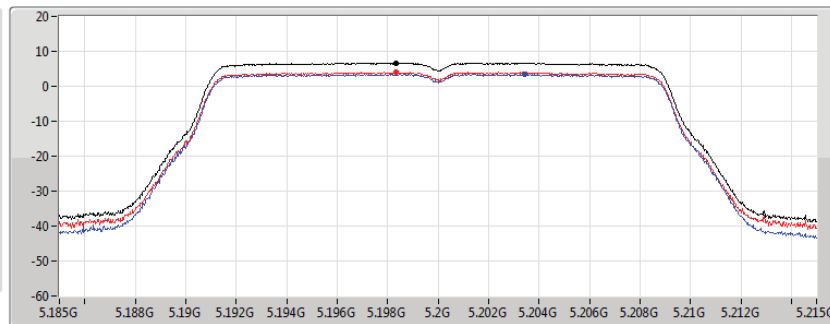
802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz

PSD

06/08/2020

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.68	6.68	3.46	3.97

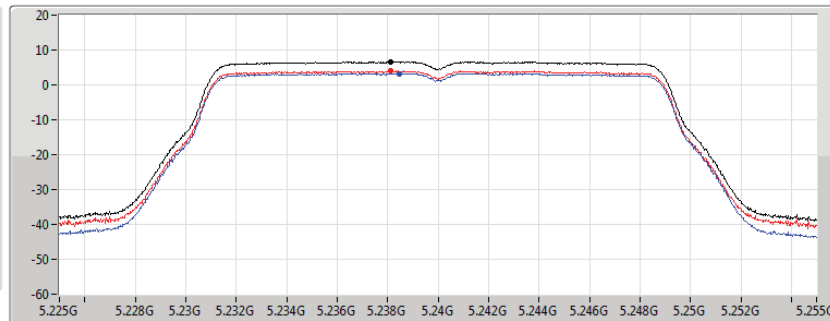
802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz

PSD

06/08/2020

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

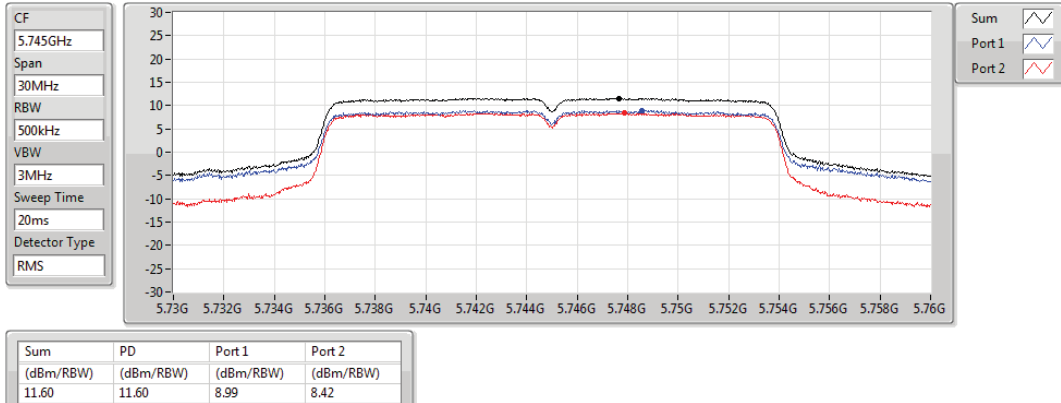
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.60	6.60	3.26	4.01

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5745MHz

08/09/2020

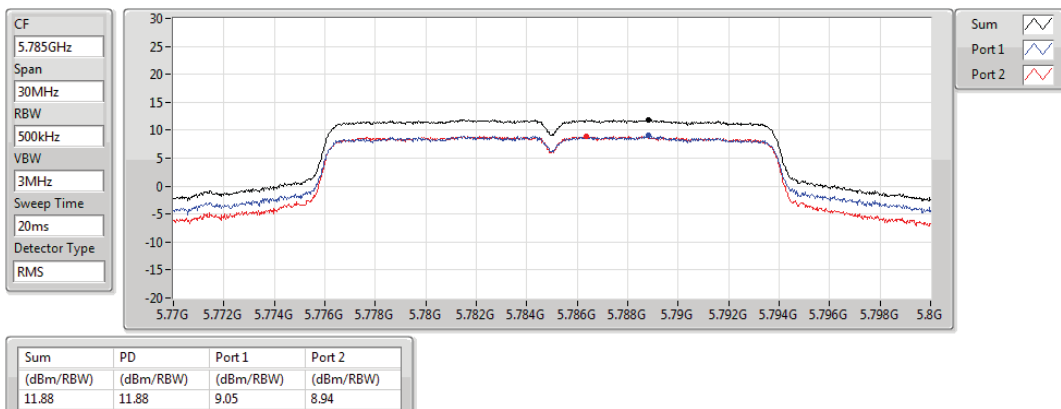


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5785MHz

08/09/2020

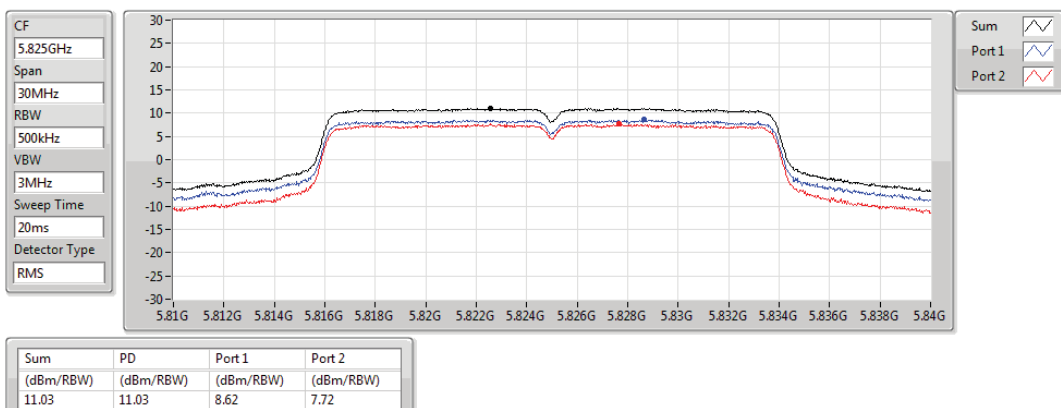


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5825MHz

08/09/2020

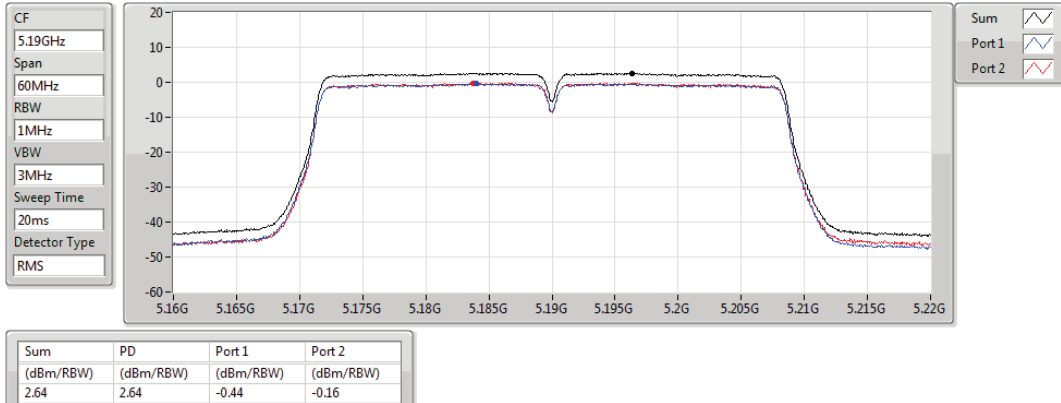


802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz

PSD

14/08/2020

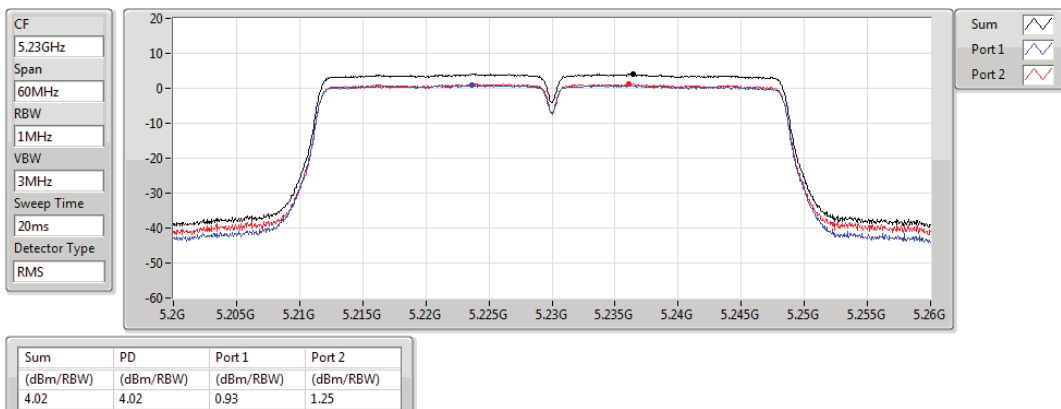


802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz

PSD

07/08/2020

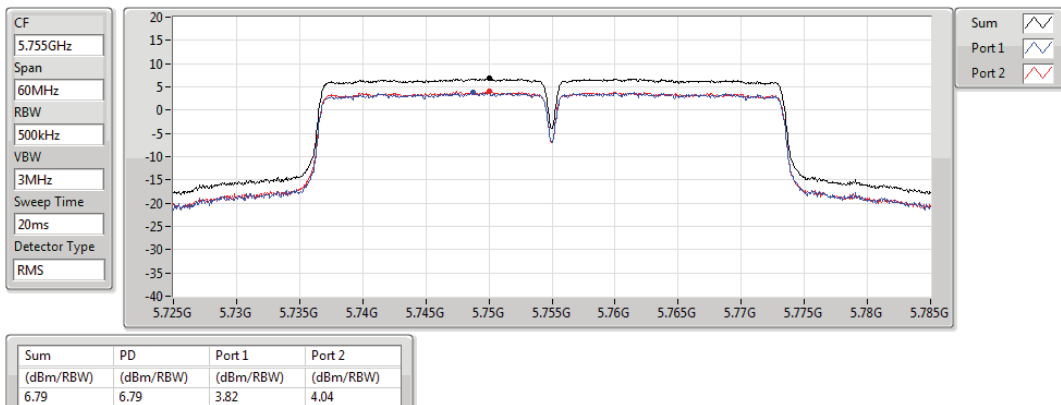


802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz

PSD

08/09/2020



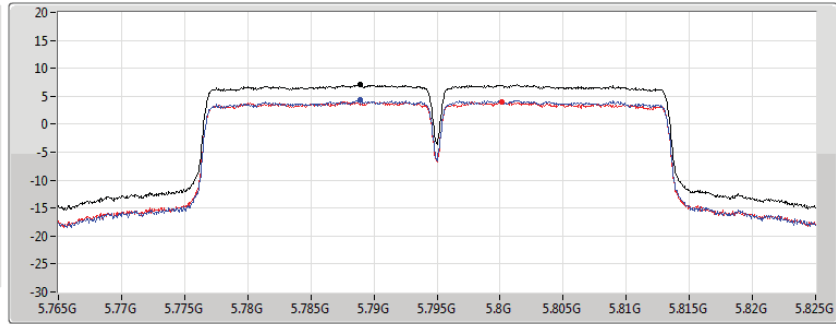
802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5795MHz

08/09/2020

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.05	7.05	4.35	3.97

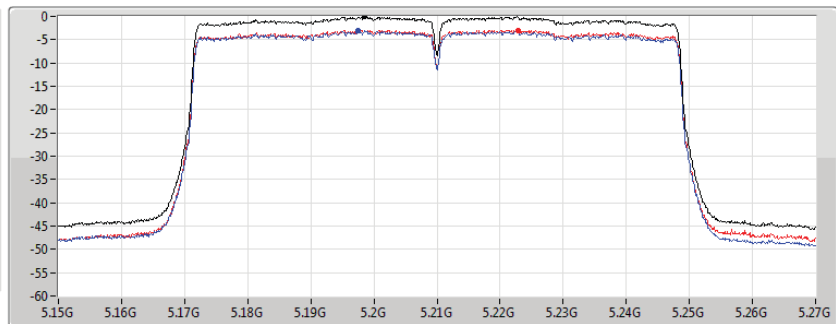
802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

14/08/2020

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.09	-0.09	-3.15	-2.95

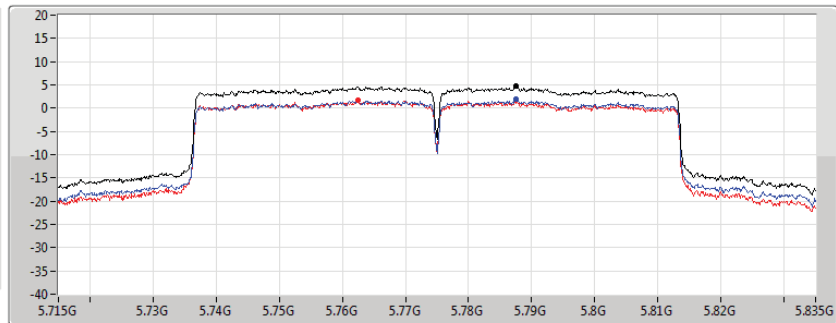
802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5775MHz

08/09/2020

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

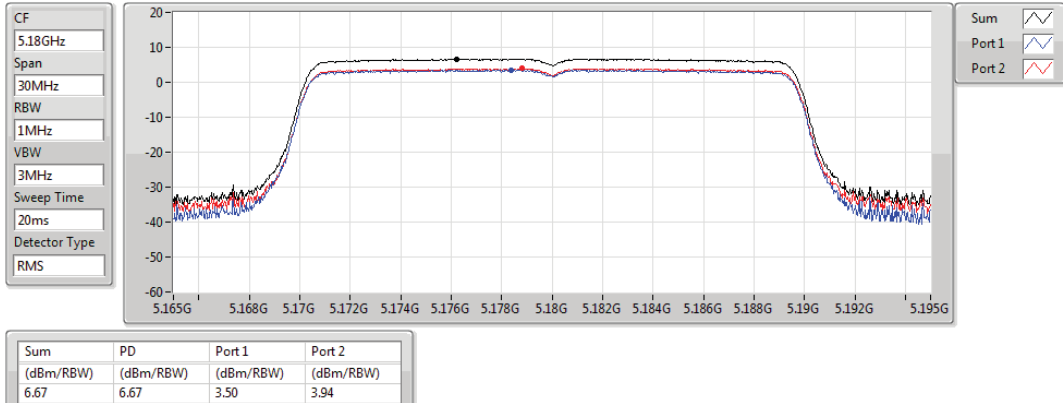
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.70	4.70	1.91	1.62

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5180MHz

06/08/2020

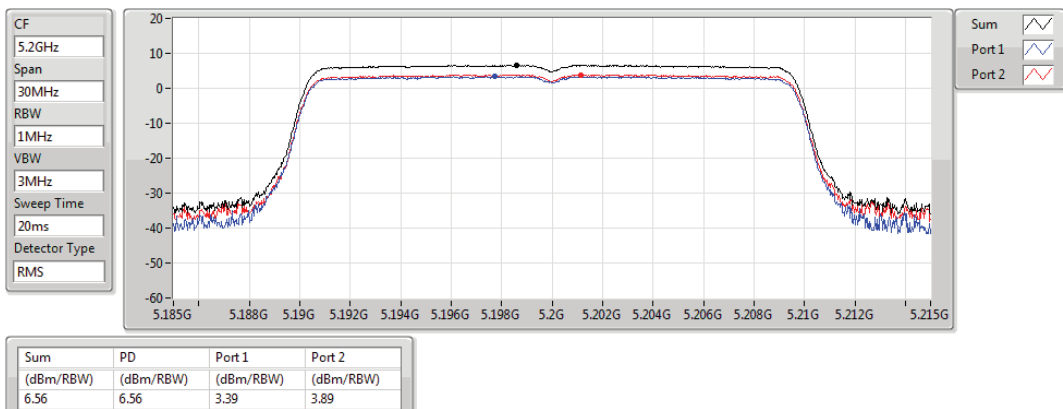


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5200MHz

06/08/2020

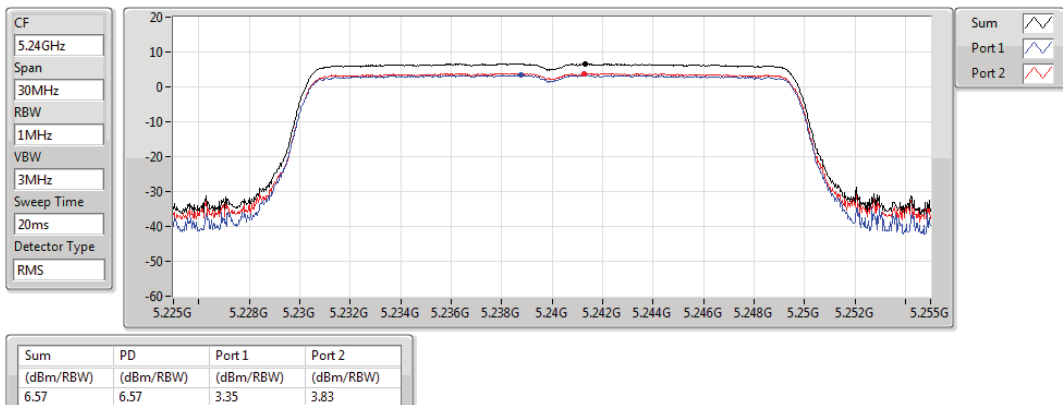


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5240MHz

06/08/2020

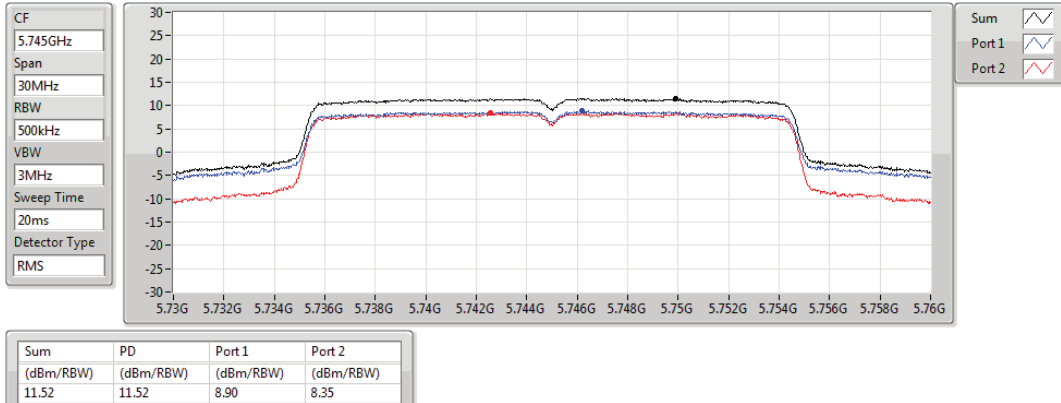


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5745MHz

08/09/2020

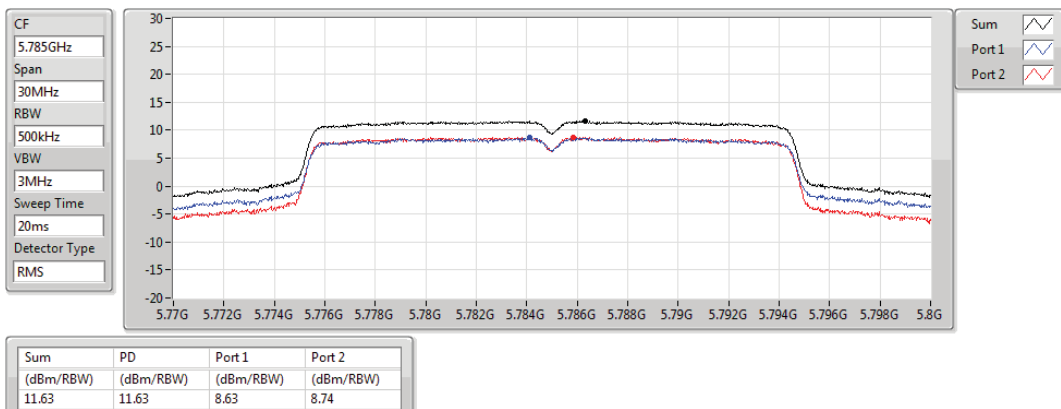


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

08/09/2020

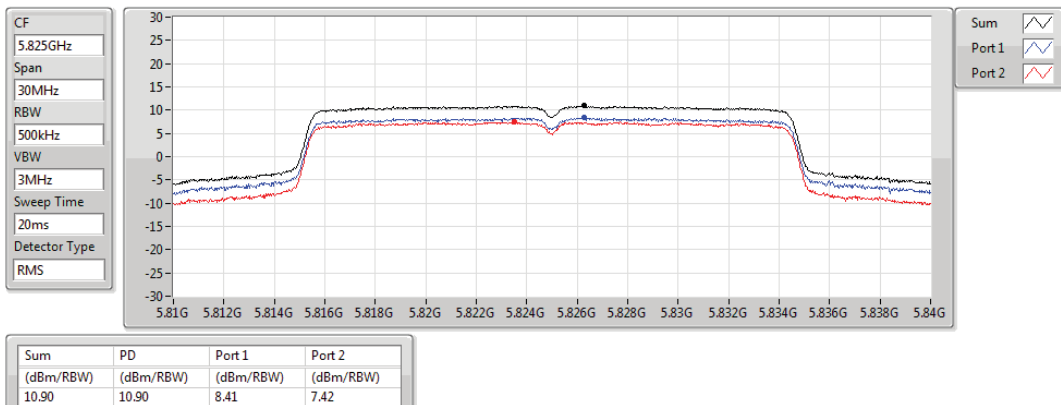


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5825MHz

08/09/2020

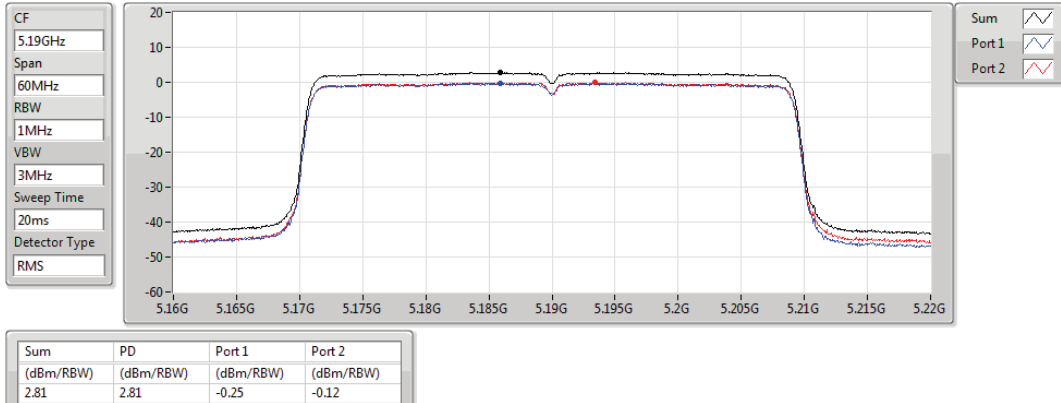


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5190MHz

14/08/2020

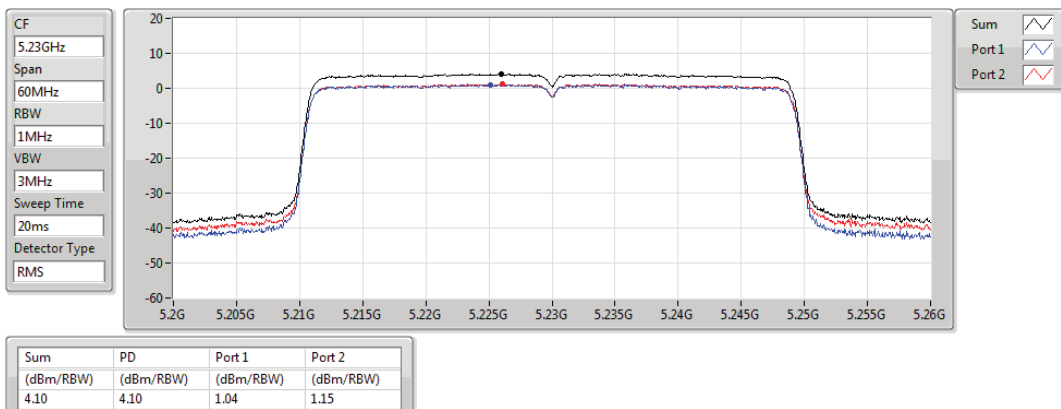


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5230MHz

07/08/2020

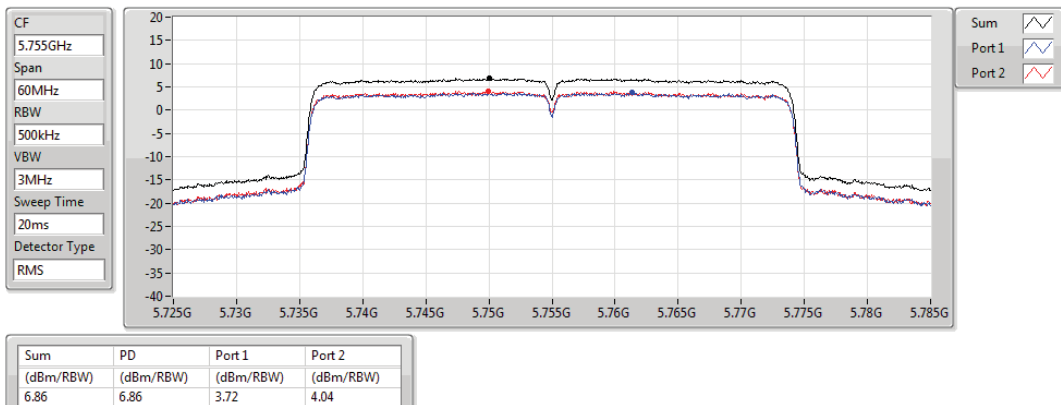


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5755MHz

08/09/2020

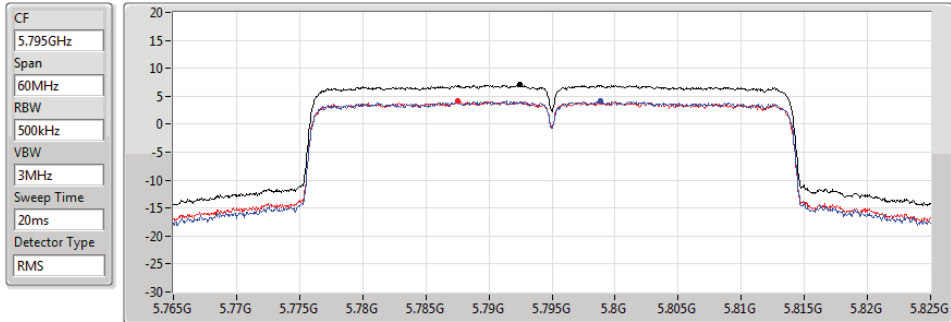


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5795MHz

08/09/2020



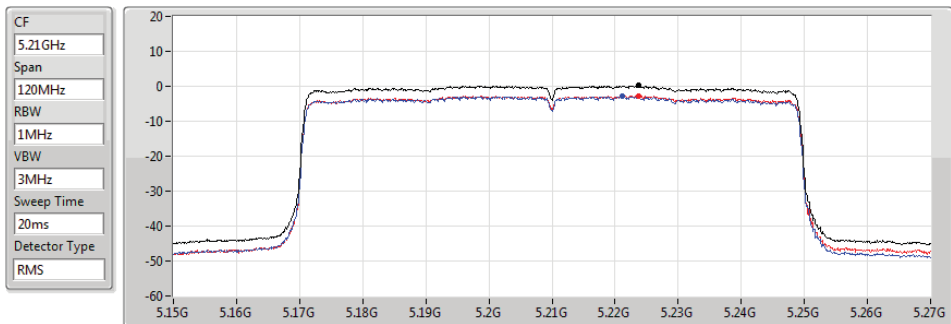
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.04	7.04	4.14	4.10

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5210MHz

14/08/2020



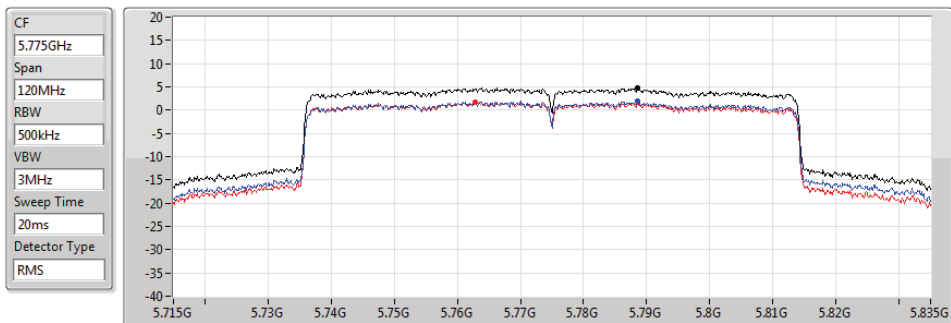
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.16	0.16	-2.85	-2.68

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz

08/09/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.69	4.69	1.99	1.69

**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.41	17.77
802.11ac VHT20_Nss1,(MCS0)_2TX	7.98	16.34
802.11ac VHT40_Nss1,(MCS0)_2TX	4.69	13.05
802.11ac VHT80_Nss1,(MCS0)_2TX	0.28	8.64
802.11ax HEW20_Nss1,(MCS0)_2TX	7.89	16.25
802.11ax HEW40_Nss1,(MCS0)_2TX	4.63	12.99
802.11ax HEW80_Nss1,(MCS0)_2TX	0.44	8.80
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.61	15.97
802.11ac VHT20_Nss1,(MCS0)_2TX	6.33	14.69
802.11ac VHT40_Nss1,(MCS0)_2TX	3.70	12.06
802.11ac VHT80_Nss1,(MCS0)_2TX	-0.45	7.91
802.11ax HEW20_Nss1,(MCS0)_2TX	6.15	14.51
802.11ax HEW40_Nss1,(MCS0)_2TX	3.41	11.77
802.11ax HEW80_Nss1,(MCS0)_2TX	-0.39	7.97

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.36	4.30	4.65	7.41	14.64	15.77	23.00
5200MHz	Pass	8.36	6.41	6.53	9.41	14.64	17.77	23.00
5240MHz	Pass	8.36	6.39	6.41	9.35	14.64	17.71	23.00
5745MHz	Pass	8.36	3.94	5.25	7.60	27.64	15.96	36.00
5785MHz	Pass	8.36	4.04	4.94	7.48	27.64	15.84	36.00
5825MHz	Pass	8.36	4.09	5.28	7.61	27.64	15.97	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.36	3.33	3.59	6.43	14.64	14.79	23.00
5200MHz	Pass	8.36	4.94	5.03	7.92	14.64	16.28	23.00
5240MHz	Pass	8.36	4.96	5.04	7.98	14.64	16.34	23.00
5745MHz	Pass	8.36	2.94	3.80	6.29	27.64	14.65	36.00
5785MHz	Pass	8.36	3.04	3.48	6.20	27.64	14.56	36.00
5825MHz	Pass	8.36	3.08	3.63	6.33	27.64	14.69	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.36	-0.25	0.77	3.26	14.64	11.62	23.00
5230MHz	Pass	8.36	1.23	2.16	4.69	14.64	13.05	23.00
5755MHz	Pass	8.36	0.30	1.05	3.70	27.64	12.06	36.00
5795MHz	Pass	8.36	0.09	0.75	3.43	27.64	11.79	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.36	-3.06	-2.34	0.28	14.64	8.64	23.00
5775MHz	Pass	8.36	-3.83	-3.05	-0.45	27.64	7.91	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.36	3.28	3.54	6.37	14.64	14.73	23.00
5200MHz	Pass	8.36	4.76	4.99	7.89	14.64	16.25	23.00
5240MHz	Pass	8.36	4.93	4.83	7.85	14.64	16.21	23.00
5745MHz	Pass	8.36	2.81	3.41	6.06	27.64	14.42	36.00
5785MHz	Pass	8.36	2.92	3.33	5.98	27.64	14.34	36.00
5825MHz	Pass	8.36	2.94	3.42	6.15	27.64	14.51	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.36	-0.20	0.81	3.29	14.64	11.65	23.00
5230MHz	Pass	8.36	1.32	2.11	4.63	14.64	12.99	23.00
5755MHz	Pass	8.36	0.10	0.77	3.39	27.64	11.75	36.00
5795MHz	Pass	8.36	0.19	0.75	3.41	27.64	11.77	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.36	-2.81	-2.13	0.44	14.64	8.80	23.00
5775MHz	Pass	8.36	-3.74	-2.84	-0.39	27.64	7.97	36.00

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

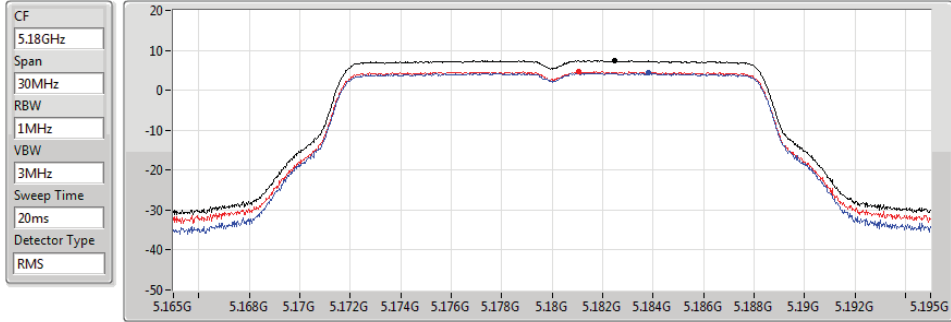
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

14/08/2020



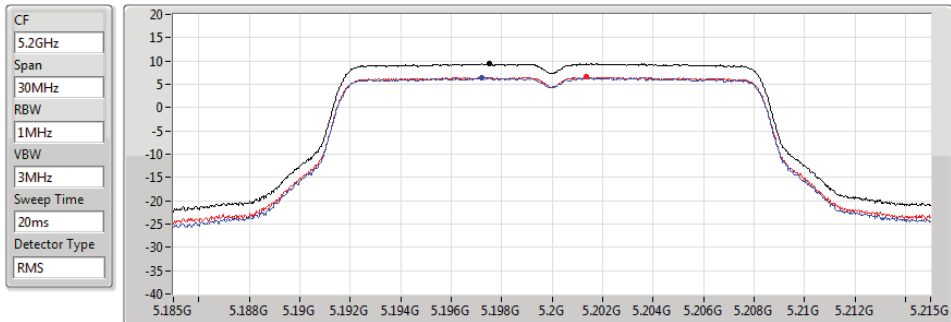
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.41	7.41	4.30	4.65

802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

06/08/2020



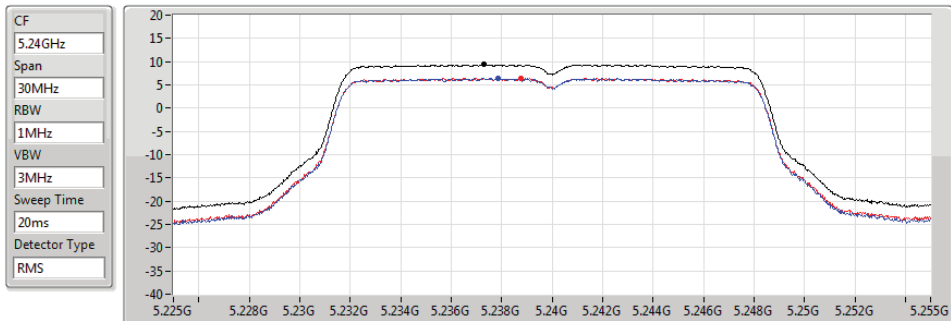
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.41	9.41	6.41	6.53

802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

06/08/2020



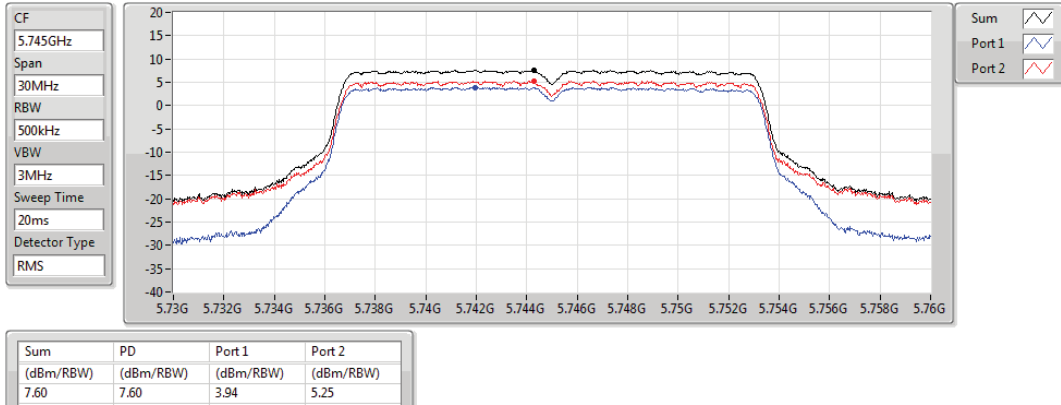
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.35	9.35	6.39	6.41

802.11a_Nss1,(6Mbps)_2TX

5745MHz

PSD

06/08/2020

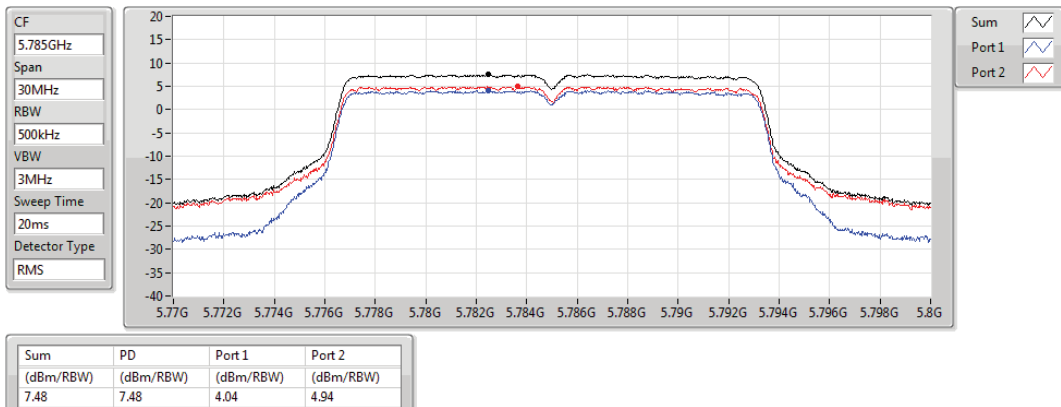


802.11a_Nss1,(6Mbps)_2TX

5785MHz

PSD

06/08/2020

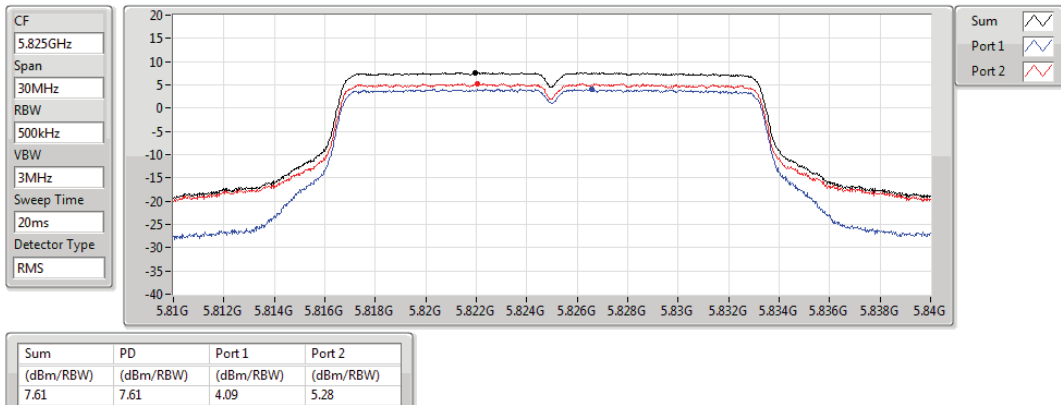


802.11a_Nss1,(6Mbps)_2TX

5825MHz

PSD

06/08/2020

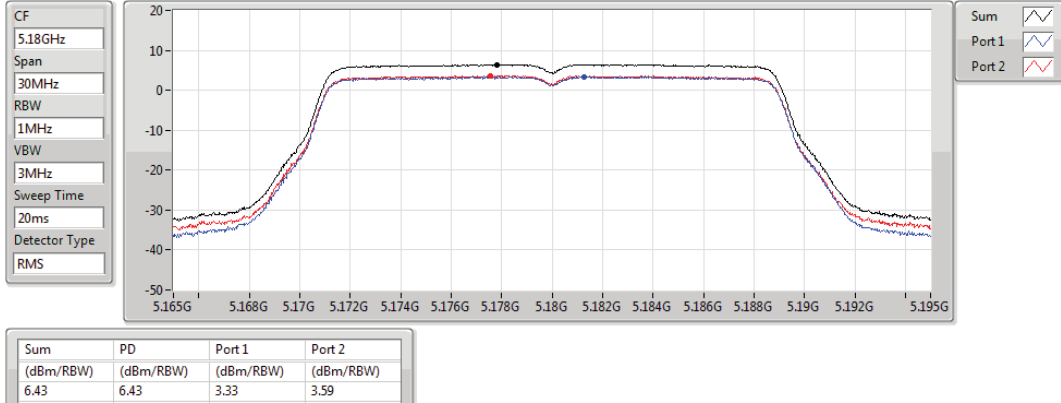


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5180MHz

14/08/2020

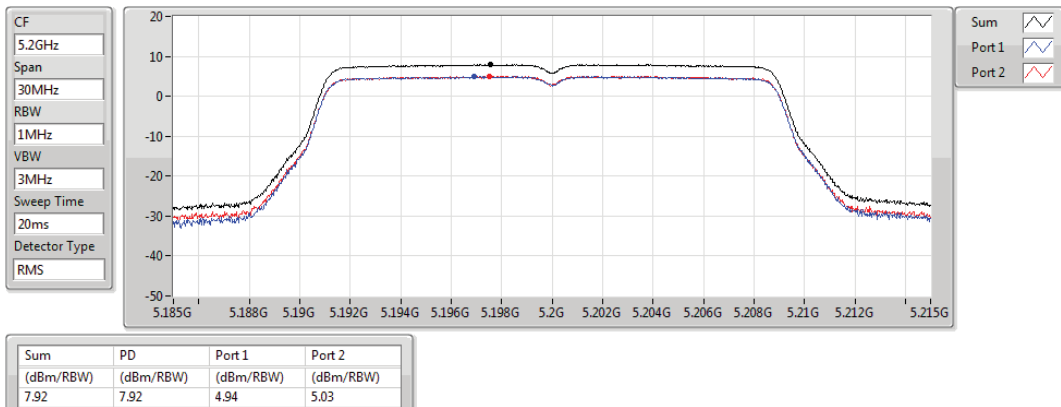


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5200MHz

06/08/2020

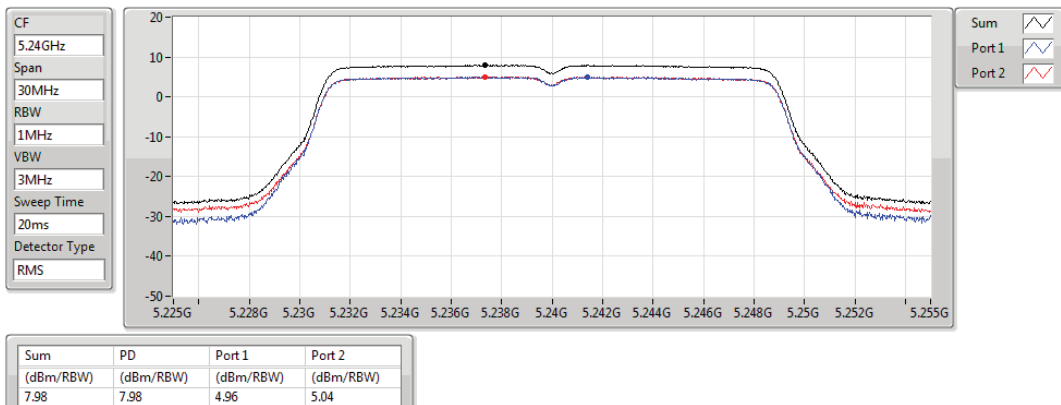


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5240MHz

06/08/2020

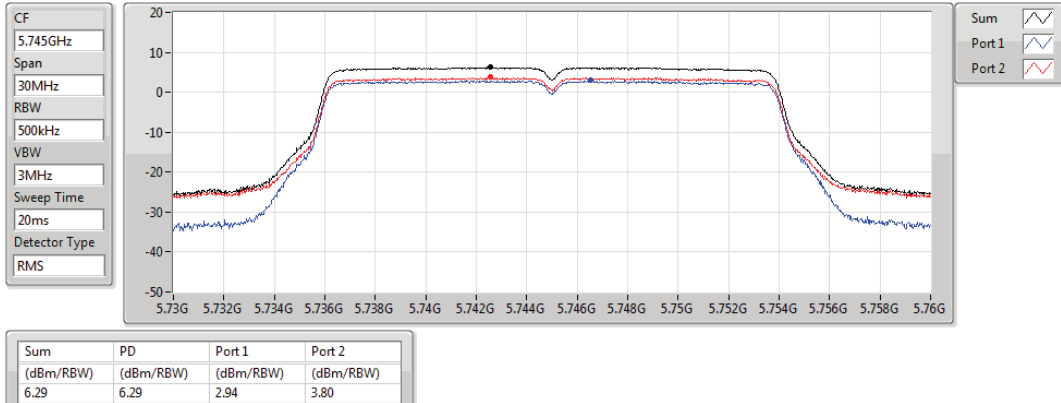


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5745MHz

06/08/2020

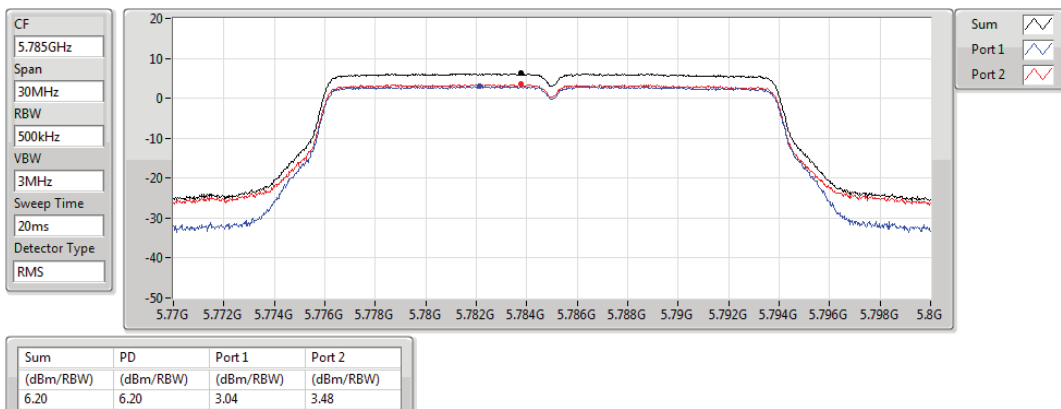


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5785MHz

06/08/2020

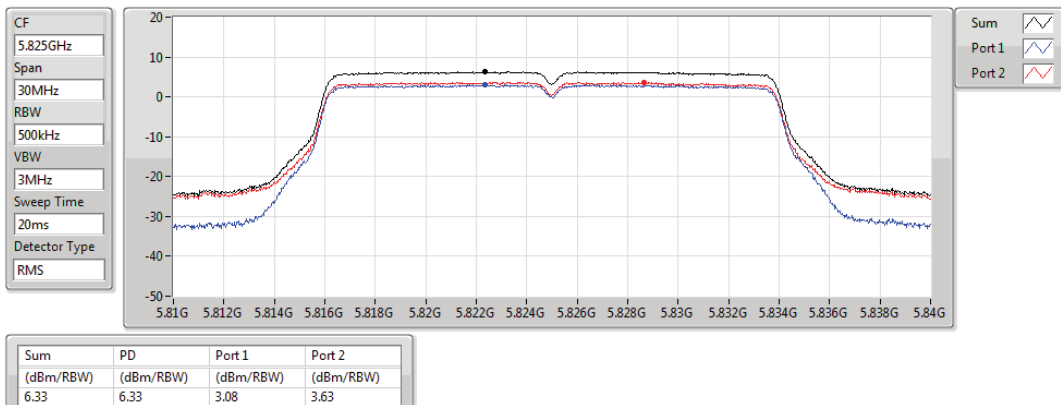


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5825MHz

06/08/2020

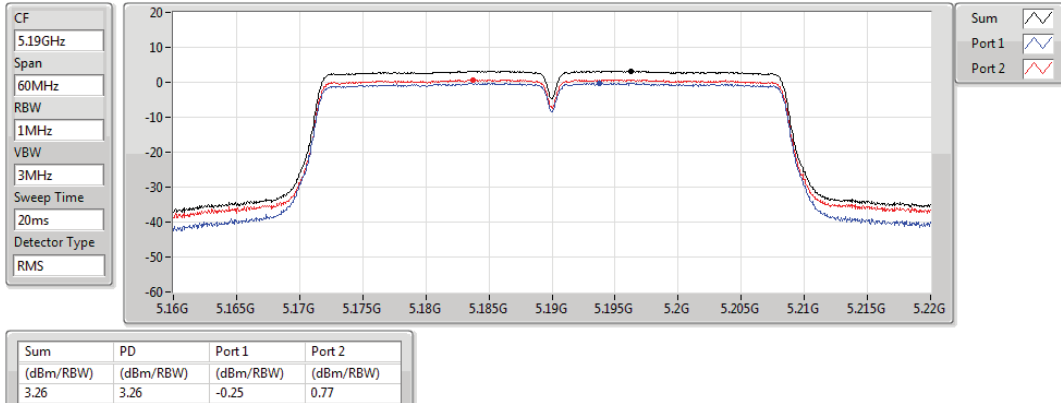


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5190MHz

14/08/2020

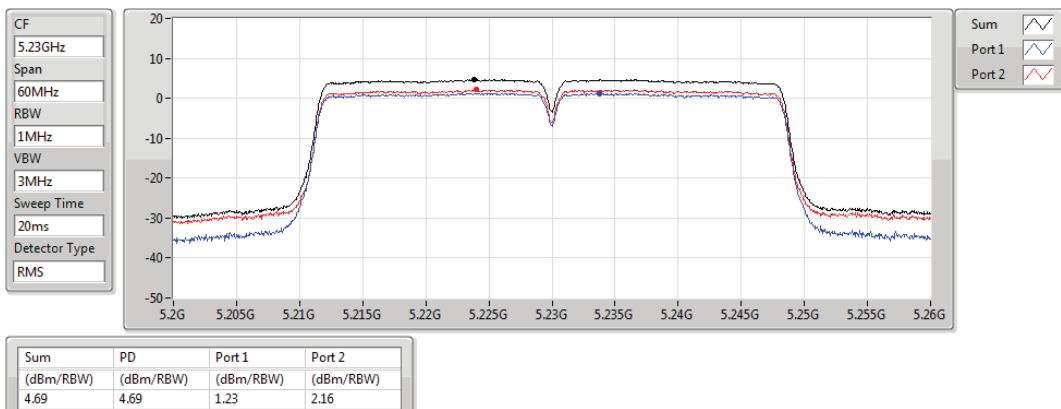


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5230MHz

06/08/2020

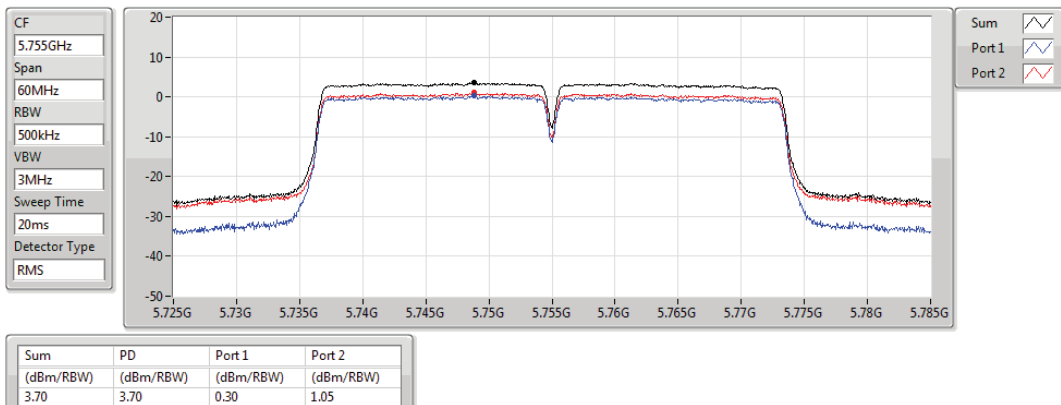


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5755MHz

06/08/2020

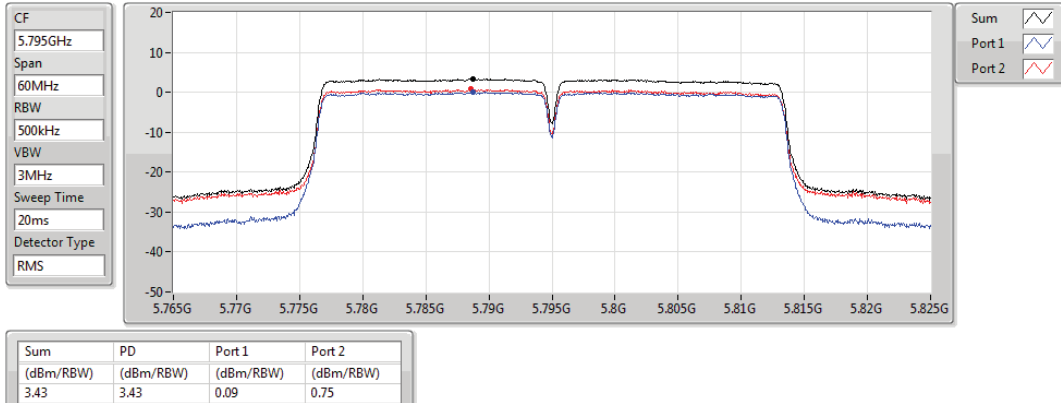


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5795MHz

06/08/2020

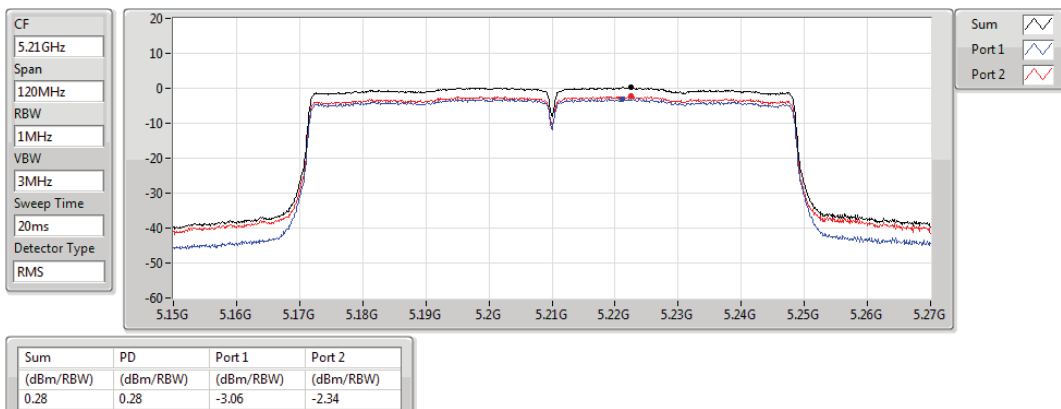


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

14/08/2020

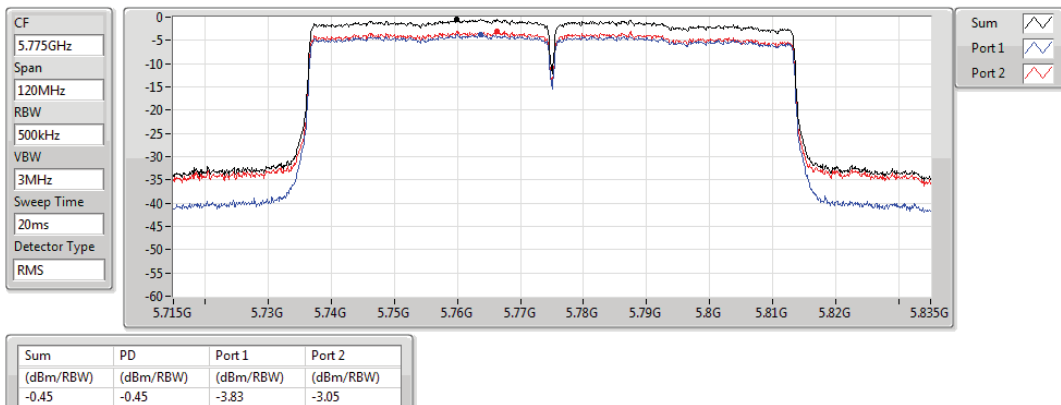


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5775MHz

06/08/2020



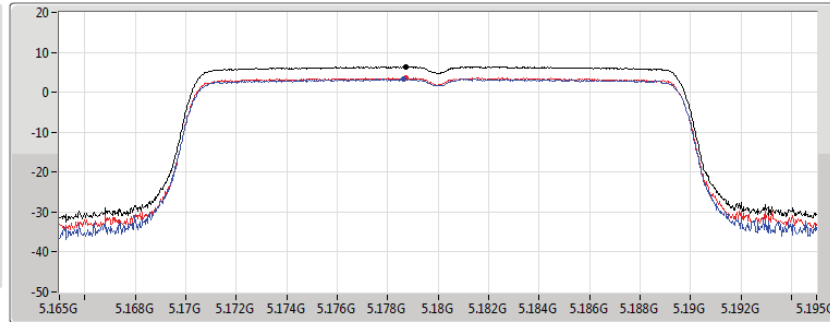
802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5180MHz

14/08/2020

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.37	6.37	3.28	3.54

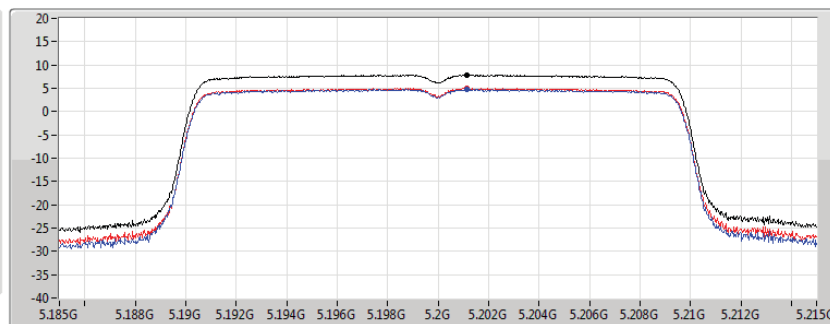
802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5200MHz

06/08/2020

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.89	7.89	4.76	4.99

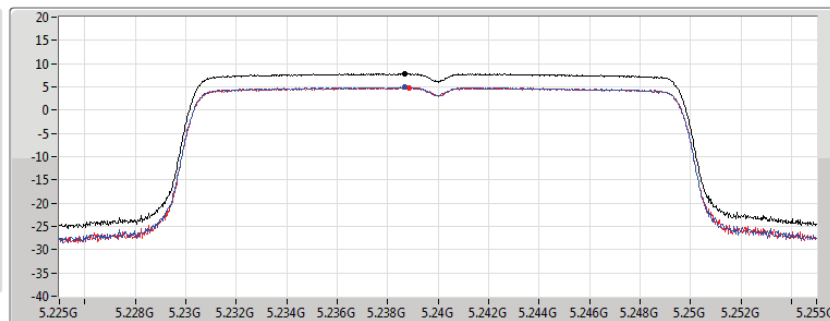
802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5240MHz

06/08/2020

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

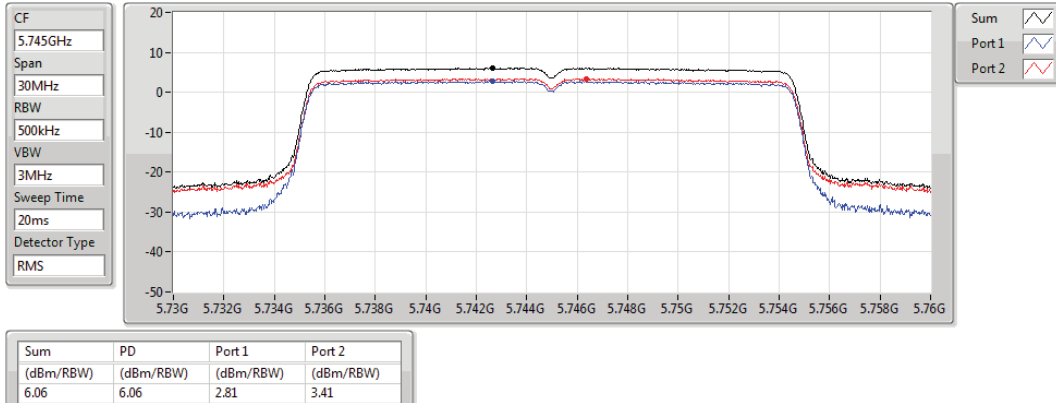
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.85	7.85	4.93	4.83

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5745MHz

06/08/2020

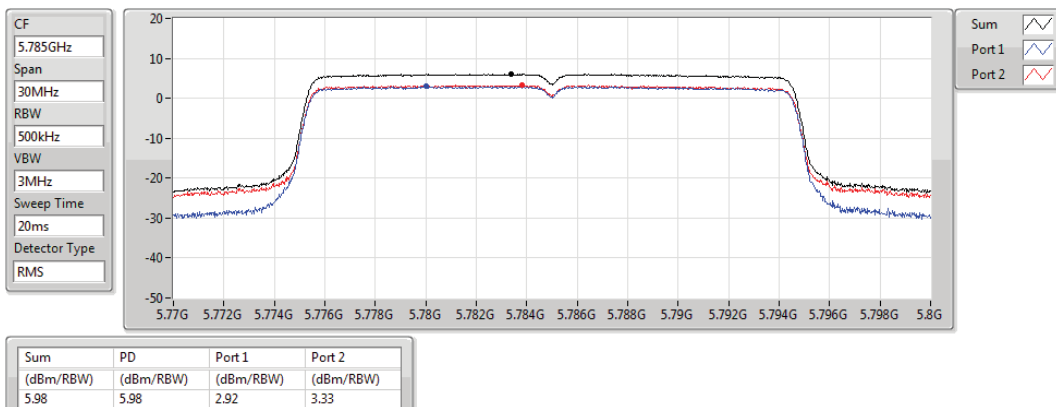


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

06/08/2020

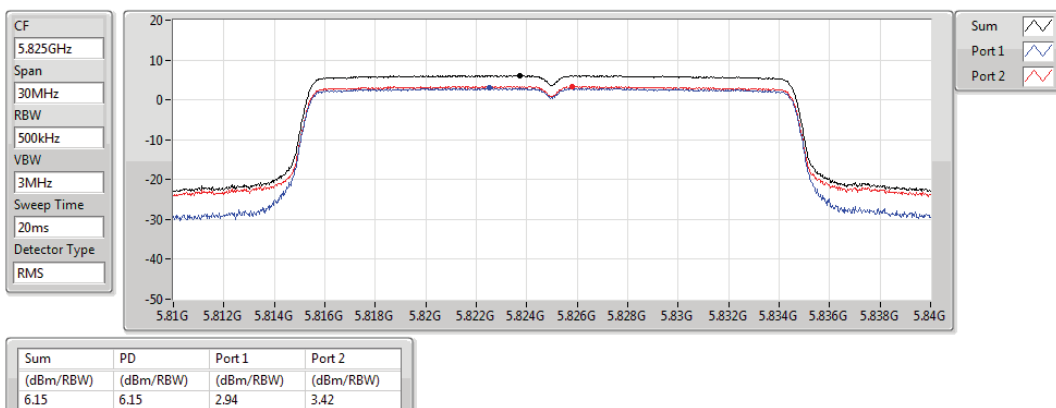


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5825MHz

06/08/2020

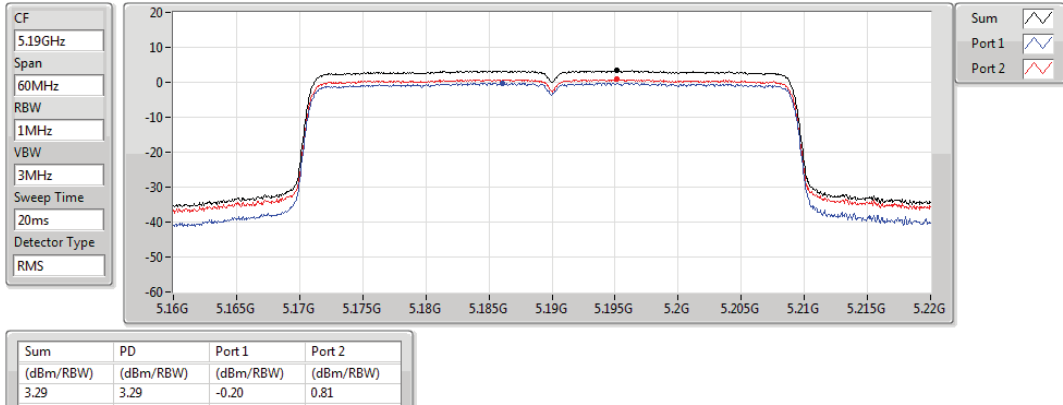


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5190MHz

14/08/2020

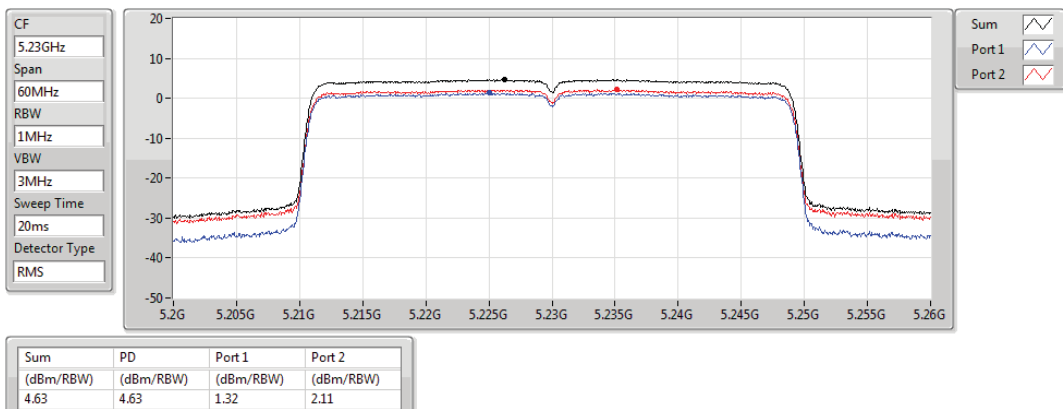


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5230MHz

06/08/2020

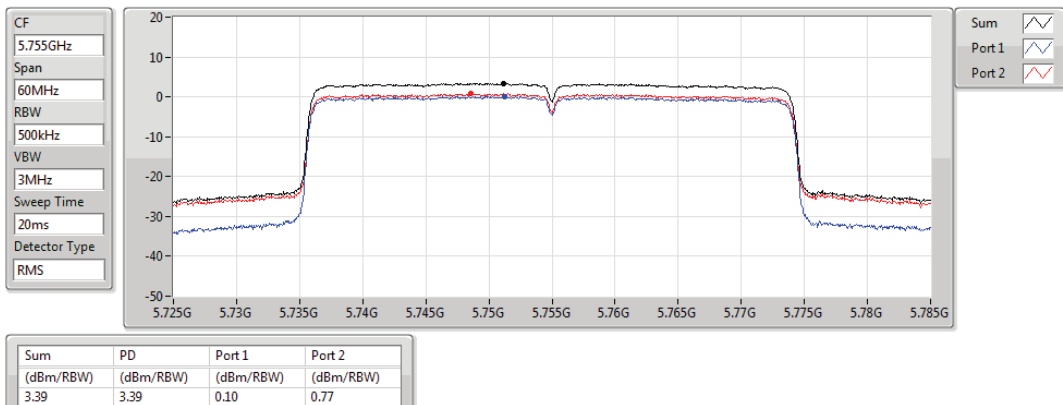


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5755MHz

06/08/2020

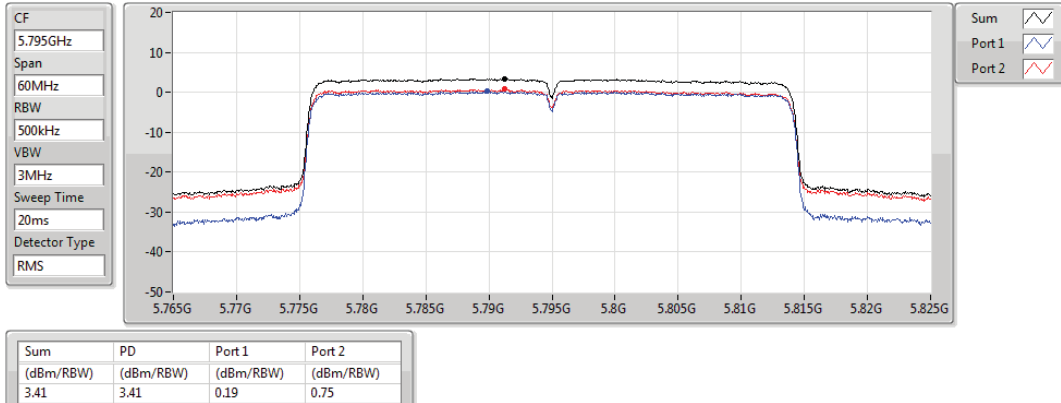


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5795MHz

06/08/2020

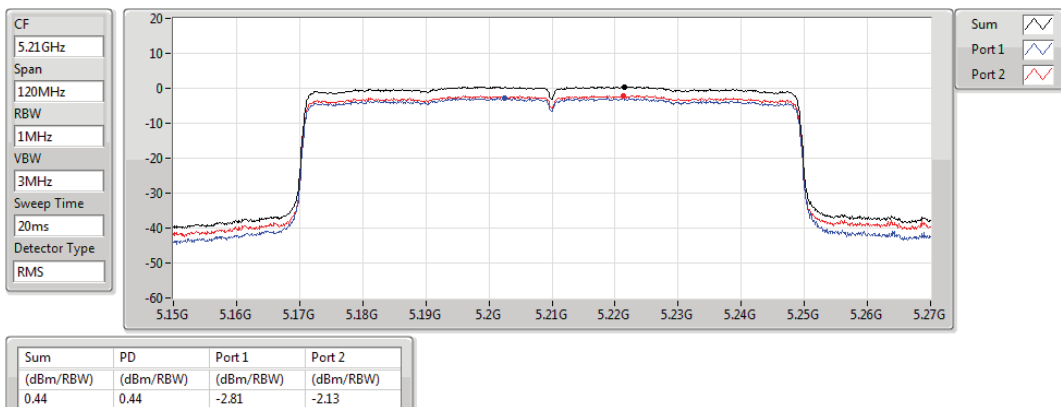


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5210MHz

14/08/2020

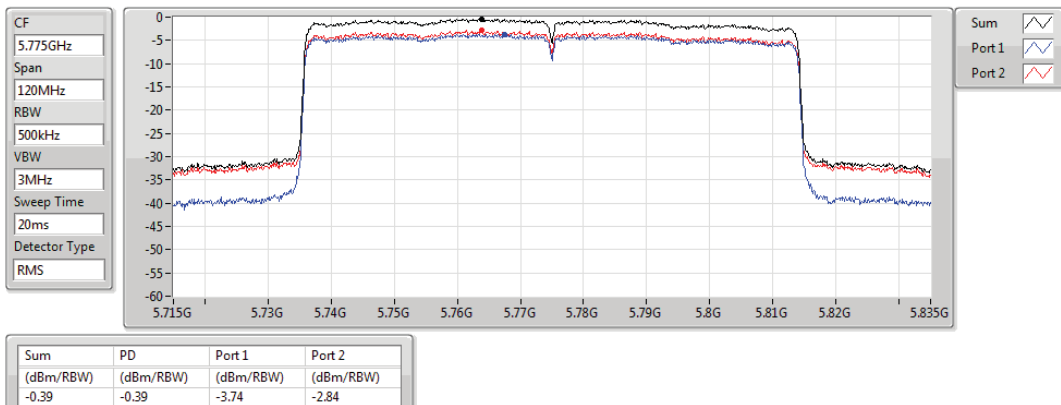


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz

06/08/2020





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1.(MCS0)_2TX	Pass	PK	61.04M	35.61	40.00	-4.39	3	Vertical	360	1.00	-

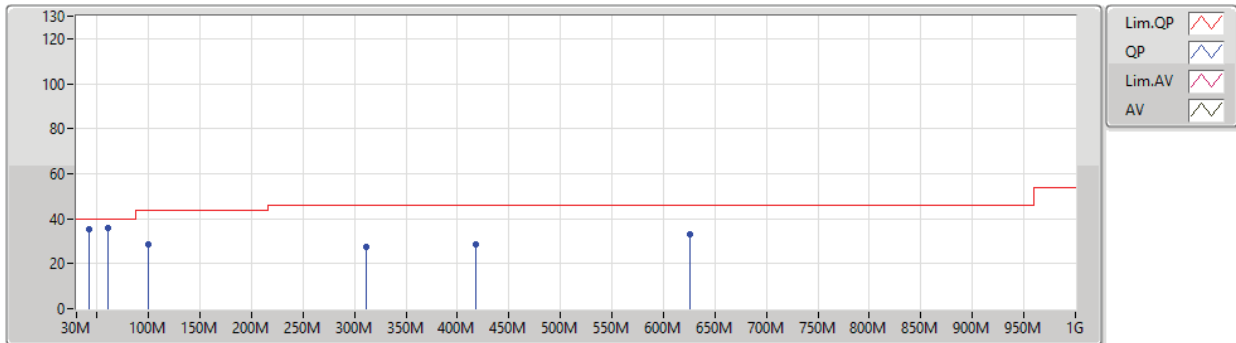
**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	41.64M	35.12	40.00	-4.88	3	Vertical	360	1.00	-
5775MHz	Pass	PK	61.04M	35.61	40.00	-4.39	3	Vertical	360	1.00	-
5775MHz	Pass	PK	99.84M	28.70	43.50	-14.80	3	Vertical	360	1.00	-
5775MHz	Pass	PK	311.3M	27.20	46.00	-18.80	3	Vertical	360	1.00	-
5775MHz	Pass	PK	418M	28.66	46.00	-17.34	3	Vertical	360	1.00	-
5775MHz	Pass	PK	625.58M	33.32	46.00	-12.68	3	Vertical	360	1.00	-
5775MHz	Pass	PK	30M	31.08	40.00	-8.92	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	62.98M	30.05	40.00	-9.95	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	99.84M	28.37	43.50	-15.13	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	412.18M	29.57	46.00	-16.43	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	575.14M	31.52	46.00	-14.48	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	625.58M	32.54	46.00	-13.46	3	Horizontal	0	1.00	-

802.11ax HEW80_Nss1,(MCS0)_2TX

12/08/2020

5775MHz_Adapter

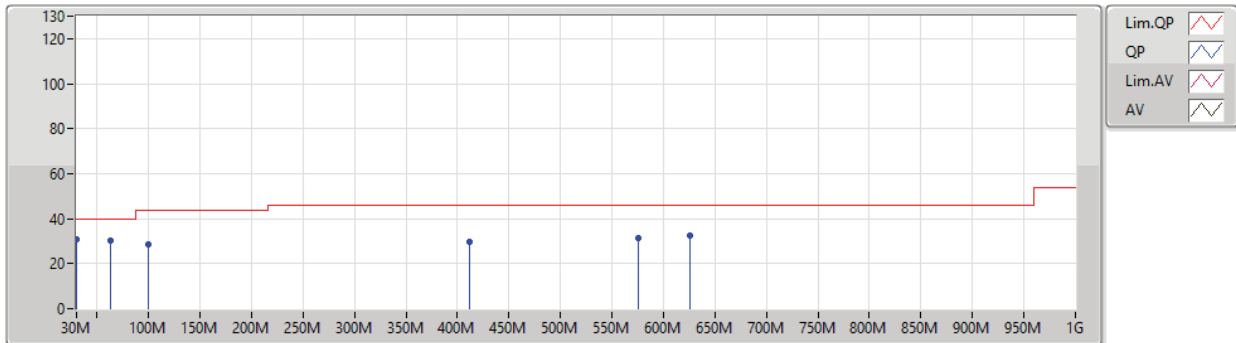


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	41.64M	35.12	40.00	-4.88	-9.82	3	Vertical	360	1.00	-	44.94	16.72	1.00	27.54
PK	61.04M	35.61	40.00	-4.39	-14.99	3	Vertical	360	1.00	-	50.60	11.28	1.22	27.49
PK	99.84M	28.70	43.50	-14.80	-9.86	3	Vertical	360	1.00	-	38.56	15.93	1.60	27.39
PK	311.3M	27.20	46.00	-18.80	-5.09	3	Vertical	360	1.00	-	32.29	18.68	2.95	26.72
PK	418M	28.66	46.00	-17.34	-2.25	3	Vertical	360	1.00	-	30.91	21.82	3.34	27.41
PK	625.58M	33.32	46.00	-12.68	-0.01	3	Vertical	360	1.00	-	33.33	23.85	4.20	28.06

802.11ax HEW80_Nss1,(MCS0)_2TX

12/08/2020

5775MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	31.08	40.00	-8.92	-3.35	3	Horizontal	0	1.00	-	34.43	23.33	0.90	27.58
PK	62.98M	30.05	40.00	-9.95	-14.81	3	Horizontal	0	1.00	-	44.86	11.41	1.26	27.48
PK	99.84M	28.37	43.50	-15.13	-9.86	3	Horizontal	0	1.00	-	38.23	15.93	1.60	27.39
PK	412.18M	29.57	46.00	-16.43	-2.38	3	Horizontal	0	1.00	-	31.95	21.66	3.32	27.36
PK	575.14M	31.52	46.00	-14.48	-0.40	3	Horizontal	0	1.00	-	31.92	23.61	4.00	28.01
PK	625.58M	32.54	46.00	-13.46	-0.01	3	Horizontal	0	1.00	-	32.55	23.85	4.20	28.06

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.649G	66.81	68.20	-1.39	3	Vertical	0	2.55	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	PK	5.6514G	67.52	69.24	-1.72	3	Horizontal	333	1.55	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	5.9282G	66.91	68.20	-1.29	3	Horizontal	333	1.62	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	5.6478G	67.15	68.20	-1.05	3	Horizontal	331	1.14	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.7486G	112.15	Inf	-Inf	3	Vertical	0	2.55	-
5745MHz	Pass	PK	5.649G	66.81	68.20	-1.39	3	Vertical	0	2.55	-
5745MHz	Pass	PK	5.7486G	122.49	Inf	-Inf	3	Vertical	0	2.55	-
5745MHz	Pass	PK	5.9442G	56.95	68.20	-11.25	3	Vertical	0	2.55	-
5745MHz	Pass	AV	5.7486G	110.34	Inf	-Inf	3	Horizontal	332	1.75	-
5745MHz	Pass	PK	5.649G	66.55	68.20	-1.65	3	Horizontal	332	1.75	-
5745MHz	Pass	PK	5.7486G	121.80	Inf	-Inf	3	Horizontal	332	1.75	-
5745MHz	Pass	PK	5.9478G	56.83	68.20	-11.37	3	Horizontal	332	1.75	-
5745MHz	Pass	AV	11.49028G	44.47	54.00	-9.53	3	Vertical	19	1.47	-
5745MHz	Pass	PK	11.48648G	57.27	74.00	-16.73	3	Vertical	19	1.47	-
5745MHz	Pass	AV	11.49016G	43.78	54.00	-10.22	3	Horizontal	303	1.57	-
5745MHz	Pass	PK	11.49012G	57.44	74.00	-16.56	3	Horizontal	303	1.57	-
5785MHz	Pass	AV	5.7802G	111.32	Inf	-Inf	3	Vertical	4	2.52	-
5785MHz	Pass	PK	5.647G	62.03	68.20	-6.17	3	Vertical	4	2.52	-
5785MHz	Pass	PK	5.779G	122.30	Inf	-Inf	3	Vertical	4	2.52	-
5785MHz	Pass	PK	5.9278G	58.61	68.20	-9.59	3	Vertical	4	2.52	-
5785MHz	Pass	AV	5.779G	110.10	Inf	-Inf	3	Horizontal	327	1.54	-
5785MHz	Pass	PK	5.6518G	60.79	69.53	-8.74	3	Horizontal	327	1.54	-
5785MHz	Pass	PK	5.779G	121.84	Inf	-Inf	3	Horizontal	327	1.54	-
5785MHz	Pass	PK	5.9278G	58.26	68.20	-9.94	3	Horizontal	327	1.54	-
5785MHz	Pass	AV	11.57064G	44.70	54.00	-9.30	3	Vertical	16	1.42	-
5785MHz	Pass	PK	11.56704G	58.33	74.00	-15.67	3	Vertical	16	1.42	-
5785MHz	Pass	AV	11.574G	44.23	54.00	-9.77	3	Horizontal	360	1.68	-
5785MHz	Pass	PK	11.57024G	57.53	74.00	-16.47	3	Horizontal	360	1.68	-
5825MHz	Pass	AV	5.8202G	110.82	Inf	-Inf	3	Vertical	357	2.74	-
5825MHz	Pass	PK	5.5394G	57.61	68.20	-10.59	3	Vertical	357	2.74	-
5825MHz	Pass	PK	5.8202G	122.10	Inf	-Inf	3	Vertical	357	2.74	-
5825MHz	Pass	PK	5.9318G	63.06	68.20	-5.14	3	Vertical	357	2.74	-
5825MHz	Pass	AV	5.819G	109.72	Inf	-Inf	3	Horizontal	328	1.67	-
5825MHz	Pass	PK	5.5766G	57.92	68.20	-10.28	3	Horizontal	328	1.67	-
5825MHz	Pass	PK	5.8238G	121.71	Inf	-Inf	3	Horizontal	328	1.67	-
5825MHz	Pass	PK	5.9246G	63.12	68.50	-5.38	3	Horizontal	328	1.67	-
5825MHz	Pass	AV	11.65072G	46.02	54.00	-7.98	3	Vertical	36	2.68	-
5825MHz	Pass	PK	11.65644G	59.25	74.00	-14.75	3	Vertical	36	2.68	-
5825MHz	Pass	AV	11.65076G	46.18	54.00	-7.82	3	Horizontal	345	1.51	-
5825MHz	Pass	PK	11.65568G	59.85	74.00	-14.15	3	Horizontal	345	1.51	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.7498G	108.91	Inf	-Inf	3	Vertical	360	2.42	-
5745MHz	Pass	PK	5.6502G	65.50	68.35	-2.85	3	Vertical	360	2.42	-
5745MHz	Pass	PK	5.7426G	122.12	Inf	-Inf	3	Vertical	360	2.42	-
5745MHz	Pass	PK	5.9478G	57.69	68.20	-10.51	3	Vertical	360	2.42	-
5745MHz	Pass	AV	5.7498G	108.31	Inf	-Inf	3	Horizontal	333	1.55	-
5745MHz	Pass	PK	5.6514G	67.52	69.24	-1.72	3	Horizontal	333	1.55	-
5745MHz	Pass	PK	5.7414G	122.20	Inf	-Inf	3	Horizontal	333	1.55	-
5745MHz	Pass	PK	5.925G	56.84	68.20	-11.36	3	Horizontal	333	1.55	-
5745MHz	Pass	AV	11.488G	43.04	54.00	-10.96	3	Vertical	0	2.33	-
5745MHz	Pass	PK	11.5044G	57.60	74.00	-16.40	3	Vertical	0	2.33	-



RSE TX above 1GHz_Radio 1

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5745MHz	Pass	AV	11.4879G	43.14	54.00	-10.86	3	Horizontal	58	3.00	-
5745MHz	Pass	PK	11.4689G	57.20	74.00	-16.80	3	Horizontal	58	3.00	-
5785MHz	Pass	AV	5.7874G	107.56	Inf	-Inf	3	Vertical	360	2.69	-
5785MHz	Pass	PK	5.6482G	59.28	68.20	-8.92	3	Vertical	360	2.69	-
5785MHz	Pass	PK	5.7778G	121.63	Inf	-Inf	3	Vertical	360	2.69	-
5785MHz	Pass	PK	5.9254G	58.13	68.20	-10.07	3	Vertical	360	2.69	-
5785MHz	Pass	AV	5.7802G	107.97	Inf	-Inf	3	Horizontal	334	1.97	-
5785MHz	Pass	PK	5.6458G	60.82	68.20	-7.38	3	Horizontal	334	1.97	-
5785MHz	Pass	PK	5.7778G	121.95	Inf	-Inf	3	Horizontal	334	1.97	-
5785MHz	Pass	PK	5.9278G	58.27	68.20	-9.93	3	Horizontal	334	1.97	-
5785MHz	Pass	AV	11.5704G	42.95	54.00	-11.05	3	Vertical	19	2.73	-
5785MHz	Pass	PK	11.5559G	56.37	74.00	-17.63	3	Vertical	19	2.73	-
5785MHz	Pass	AV	11.5698G	43.56	54.00	-10.44	3	Horizontal	0	1.50	-
5785MHz	Pass	PK	11.5702G	56.97	74.00	-17.03	3	Horizontal	0	1.50	-
5825MHz	Pass	AV	5.8202G	107.76	Inf	-Inf	3	Vertical	360	2.36	-
5825MHz	Pass	PK	5.6294G	57.76	68.20	-10.44	3	Vertical	360	2.36	-
5825MHz	Pass	PK	5.8214G	122.00	Inf	-Inf	3	Vertical	360	2.36	-
5825MHz	Pass	PK	5.9258G	63.34	68.20	-4.86	3	Vertical	360	2.36	-
5825MHz	Pass	AV	5.8202G	107.16	Inf	-Inf	3	Horizontal	332	1.66	-
5825MHz	Pass	PK	5.561G	57.60	68.20	-10.60	3	Horizontal	332	1.66	-
5825MHz	Pass	PK	5.8226G	121.57	Inf	-Inf	3	Horizontal	332	1.66	-
5825MHz	Pass	PK	5.9258G	63.57	68.20	-4.63	3	Horizontal	332	1.66	-
5825MHz	Pass	AV	11.61016G	42.30	54.00	-11.70	3	Vertical	9	1.84	-
5825MHz	Pass	PK	11.65592G	55.75	74.00	-18.25	3	Vertical	9	1.84	-
5825MHz	Pass	AV	11.61112G	42.30	54.00	-11.70	3	Horizontal	0	2.45	-
5825MHz	Pass	PK	11.6844G	55.80	74.00	-18.20	3	Horizontal	0	2.45	-
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	AV	5.7502G	105.53	Inf	-Inf	3	Vertical	360	2.67	-
5755MHz	Pass	PK	5.6494G	63.76	68.20	-4.44	3	Vertical	360	2.67	-
5755MHz	Pass	PK	5.7394G	117.59	Inf	-Inf	3	Vertical	360	2.67	-
5755MHz	Pass	PK	5.9314G	56.27	68.20	-11.93	3	Vertical	360	2.67	-
5755MHz	Pass	AV	5.4586G	43.66	54.00	-10.34	3	Horizontal	333	1.14	-
5755MHz	Pass	AV	5.7598G	105.25	Inf	-Inf	3	Horizontal	333	1.14	-
5755MHz	Pass	PK	5.6482G	66.36	68.20	-1.84	3	Horizontal	333	1.14	-
5755MHz	Pass	PK	5.749G	116.29	Inf	-Inf	3	Horizontal	333	1.14	-
5755MHz	Pass	PK	5.9374G	57.05	68.20	-11.15	3	Horizontal	333	1.14	-
5755MHz	Pass	AV	11.5404G	44.18	54.00	-9.82	3	Vertical	86	1.38	-
5755MHz	Pass	PK	11.53544G	56.63	74.00	-17.37	3	Vertical	86	1.38	-
5755MHz	Pass	AV	11.50488G	44.36	54.00	-9.64	3	Horizontal	358	1.68	-
5755MHz	Pass	PK	11.51912G	56.72	74.00	-17.28	3	Horizontal	358	1.68	-
5795MHz	Pass	AV	5.7878G	106.90	Inf	-Inf	3	Vertical	360	2.38	-
5795MHz	Pass	PK	5.6486G	64.71	68.20	-3.49	3	Vertical	360	2.38	-
5795MHz	Pass	PK	5.7794G	120.00	Inf	-Inf	3	Vertical	360	2.38	-
5795MHz	Pass	PK	5.9282G	66.13	68.20	-2.07	3	Vertical	360	2.38	-
5795MHz	Pass	AV	5.7926G	105.81	Inf	-Inf	3	Horizontal	333	1.62	-
5795MHz	Pass	PK	5.6474G	65.88	68.20	-2.32	3	Horizontal	333	1.62	-
5795MHz	Pass	PK	5.7794G	118.69	Inf	-Inf	3	Horizontal	333	1.62	-
5795MHz	Pass	PK	5.9282G	66.91	68.20	-1.29	3	Horizontal	333	1.62	-
5795MHz	Pass	AV	11.5844G	44.20	54.00	-9.80	3	Vertical	112	2.06	-



RSE TX above 1GHz_Radio 1

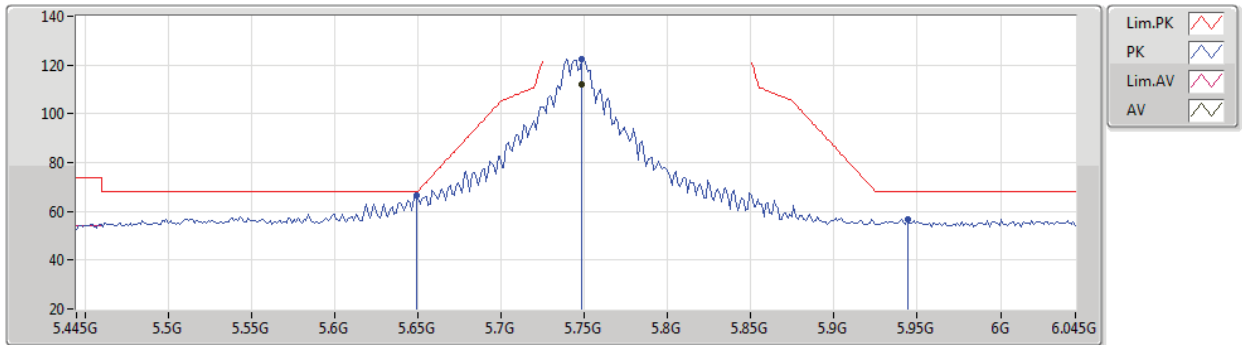
Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5795MHz	Pass	PK	11.57608G	56.27	74.00	-17.73	3	Vertical	112	2.06	-
5795MHz	Pass	AV	11.60264G	44.74	54.00	-9.26	3	Horizontal	18	1.66	-
5795MHz	Pass	PK	11.55208G	56.26	74.00	-17.74	3	Horizontal	18	1.66	-
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	AV	5.7474G	99.23	Inf	-Inf	3	Vertical	0	2.72	-
5775MHz	Pass	PK	5.6502G	66.56	68.35	-1.79	3	Vertical	0	2.72	-
5775MHz	Pass	PK	5.7522G	111.24	Inf	-Inf	3	Vertical	0	2.72	-
5775MHz	Pass	PK	5.9274G	59.50	68.20	-8.70	3	Vertical	0	2.72	-
5775MHz	Pass	AV	5.7594G	99.29	Inf	-Inf	3	Horizontal	331	1.14	-
5775MHz	Pass	PK	5.6478G	67.15	68.20	-1.05	3	Horizontal	331	1.14	-
5775MHz	Pass	PK	5.7594G	110.66	Inf	-Inf	3	Horizontal	331	1.14	-
5775MHz	Pass	PK	5.9262G	61.76	68.20	-6.44	3	Horizontal	331	1.14	-
5775MHz	Pass	AV	11.5356G	44.37	54.00	-9.63	3	Vertical	161	1.50	-
5775MHz	Pass	PK	11.5332G	56.68	74.00	-17.32	3	Vertical	161	1.50	-
5775MHz	Pass	AV	11.51528G	44.36	54.00	-9.64	3	Horizontal	96	2.16	-
5775MHz	Pass	PK	11.51128G	56.46	74.00	-17.54	3	Horizontal	96	2.16	-

802.11a_Nss1,(6Mbps)_2TX

07/09/2020

5745MHz_TX

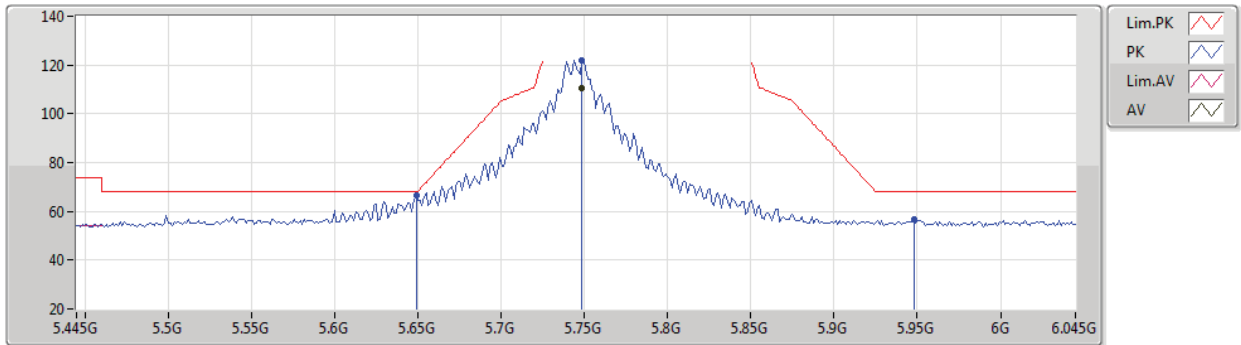


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7486G	112.15	Inf	-Inf	8.37	3	Vertical	0	2.55	-	103.78	32.00	6.97	30.60
PK	5.649G	66.81	68.20	-1.39	8.04	3	Vertical	0	2.55	-	58.77	31.70	6.92	30.58
PK	5.7486G	122.49	Inf	-Inf	8.37	3	Vertical	0	2.55	-	114.12	32.00	6.97	30.60
PK	5.9442G	56.95	68.20	-11.25	8.82	3	Vertical	0	2.55	-	48.13	32.38	7.07	30.63

802.11a_Nss1,(6Mbps)_2TX

07/09/2020

5745MHz_TX

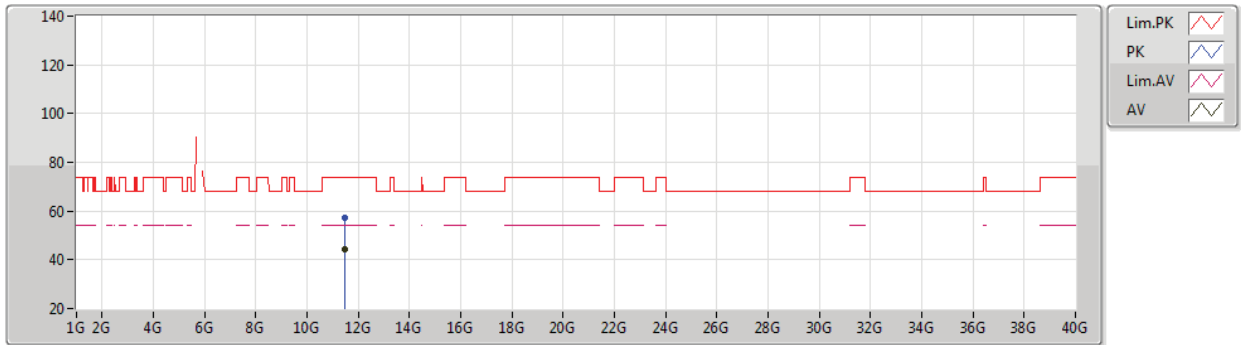


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7486G	110.34	Inf	-Inf	8.37	3	Horizontal	332	1.75	-	101.97	32.00	6.97	30.60
PK	5.649G	66.55	68.20	-1.65	8.04	3	Horizontal	332	1.75	-	58.51	31.70	6.92	30.58
PK	5.7486G	121.80	Inf	-Inf	8.37	3	Horizontal	332	1.75	-	113.43	32.00	6.97	30.60
PK	5.9478G	56.83	68.20	-11.37	8.83	3	Horizontal	332	1.75	-	48.00	32.39	7.07	30.63

802.11a_Nss1,(6Mbps)_2TX

07/09/2020

5745MHz_TX

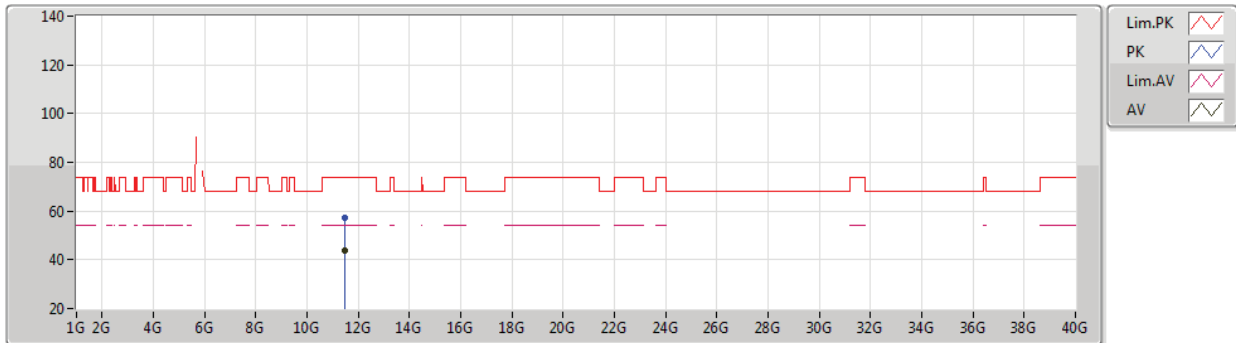


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.49028G	44.47	54.00	-9.53	18.04	3	Vertical	19	1.47	-	26.43	39.99	9.47	31.42
PK	11.48648G	57.27	74.00	-16.73	18.04	3	Vertical	19	1.47	-	39.23	39.99	9.47	31.42

802.11a_Nss1,(6Mbps)_2TX

07/09/2020

5745MHz_TX

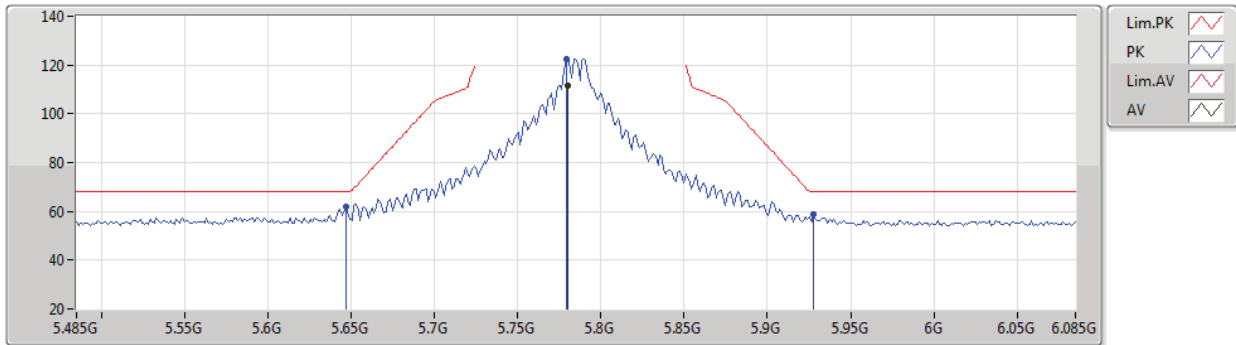


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.49016G	43.78	54.00	-10.22	18.04	3	Horizontal	303	1.57	-	25.74	39.99	9.47	31.42
PK	11.49012G	57.44	74.00	-16.56	18.04	3	Horizontal	303	1.57	-	39.40	39.99	9.47	31.42

802.11a_Nss1,(6Mbps)_2TX

07/09/2020

5785MHz_TX

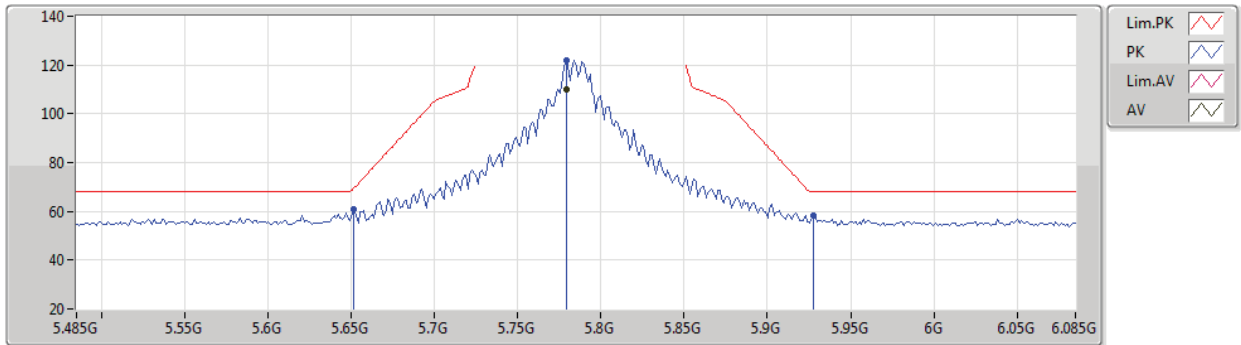


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7802G	111.32	Inf	-Inf	8.39	3	Vertical	4	2.52	-	102.93	32.00	6.99	30.60
PK	5.647G	62.03	68.20	-6.17	8.05	3	Vertical	4	2.52	-	53.98	31.71	6.92	30.58
PK	5.779G	122.30	Inf	-Inf	8.39	3	Vertical	4	2.52	-	113.91	32.00	6.99	30.60
PK	5.9278G	58.61	68.20	-9.59	8.74	3	Vertical	4	2.52	-	49.87	32.31	7.06	30.63

802.11a_Nss1,(6Mbps)_2TX

07/09/2020

5785MHz_TX

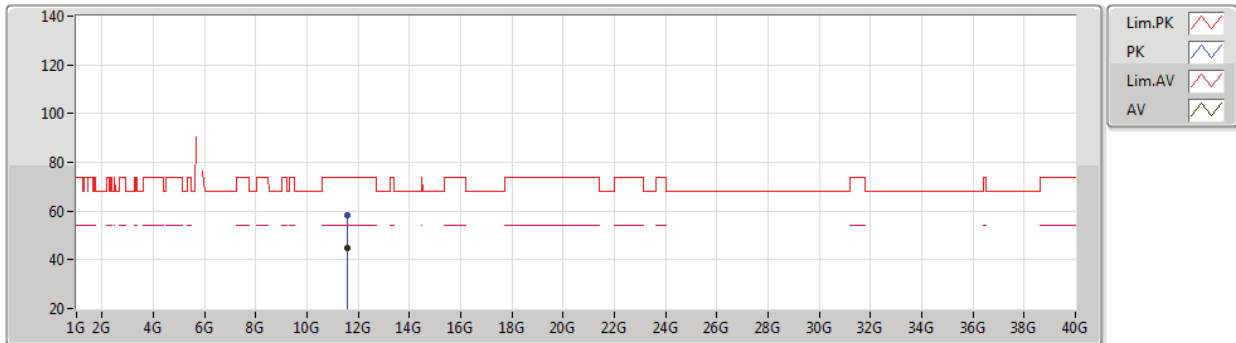


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.779G	110.10	Inf	-Inf	8.39	3	Horizontal	327	1.54	-	101.71	32.00	6.99	30.60
PK	5.6518G	60.79	69.53	-8.74	8.06	3	Horizontal	327	1.54	-	52.73	31.71	6.93	30.58
PK	5.779G	121.84	Inf	-Inf	8.39	3	Horizontal	327	1.54	-	113.45	32.00	6.99	30.60
PK	5.9278G	58.26	68.20	-9.94	8.74	3	Horizontal	327	1.54	-	49.52	32.31	7.06	30.63

802.11a_Nss1,(6Mbps)_2TX

07/09/2020

5785MHz_TX

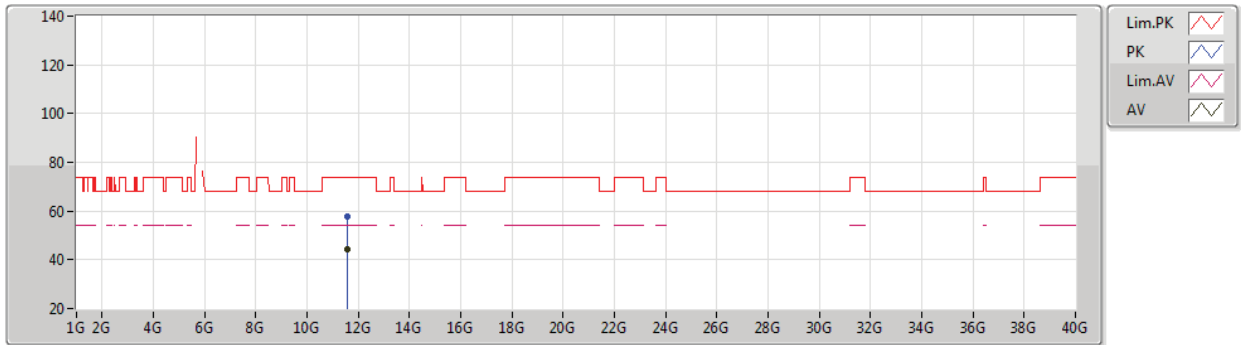


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.57064G	44.70	54.00	-9.30	18.00	3	Vertical	16	1.42	-	26.70	39.93	9.51	31.44
PK	11.56704G	58.33	74.00	-15.67	18.01	3	Vertical	16	1.42	-	40.32	39.93	9.51	31.43

802.11a_Nss1,(6Mbps)_2TX

07/09/2020

5785MHz_TX

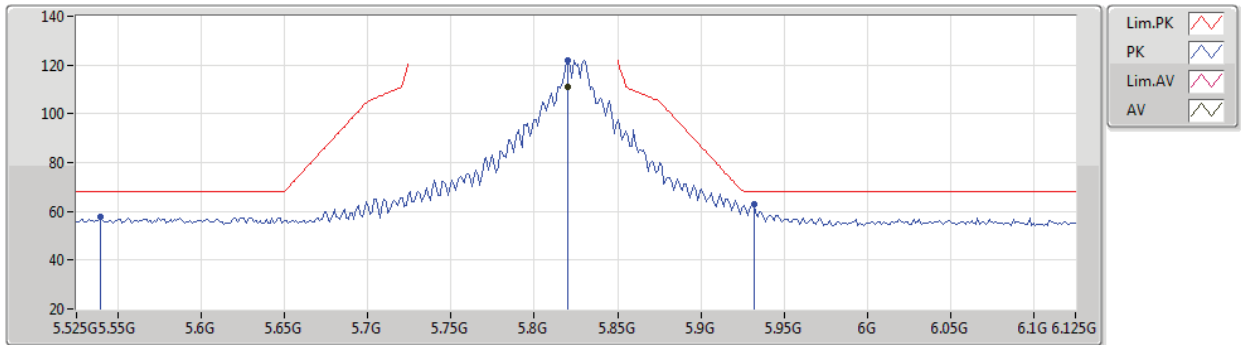


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.574G	44.23	54.00	-9.77	18.00	3	Horizontal	360	1.68	-	26.23	39.93	9.51	31.44
PK	11.57024G	57.53	74.00	-16.47	18.00	3	Horizontal	360	1.68	-	39.53	39.93	9.51	31.44

802.11a_Nss1,(6Mbps)_2TX

07/09/2020

5825MHz_TX

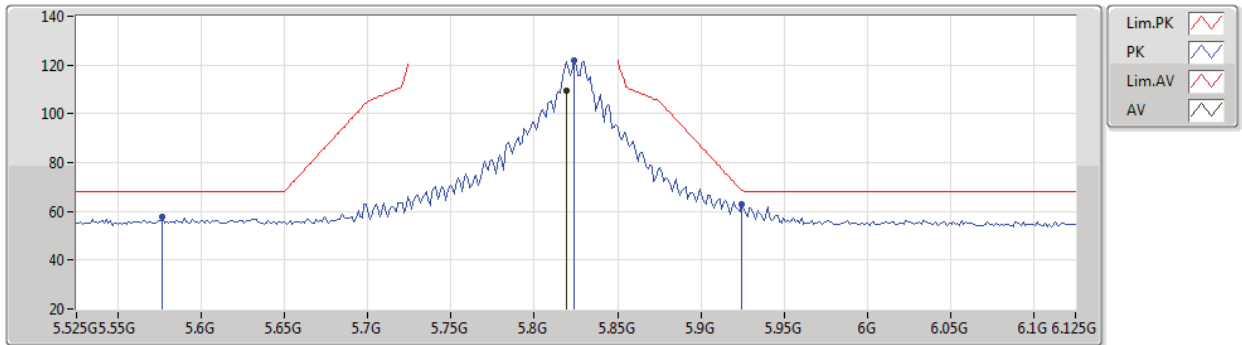


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8202G	110.82	Inf	-Inf	8.44	3	Vertical	357	2.74	-	102.38	32.04	7.01	30.61
PK	5.5394G	57.61	68.20	-10.59	8.10	3	Vertical	357	2.74	-	49.51	31.80	6.87	30.57
PK	5.8202G	122.10	Inf	-Inf	8.44	3	Vertical	357	2.74	-	113.66	32.04	7.01	30.61
PK	5.9318G	63.06	68.20	-5.14	8.77	3	Vertical	357	2.74	-	54.29	32.33	7.07	30.63

802.11a_Nss1,(6Mbps)_2TX

07/09/2020

5825MHz_TX

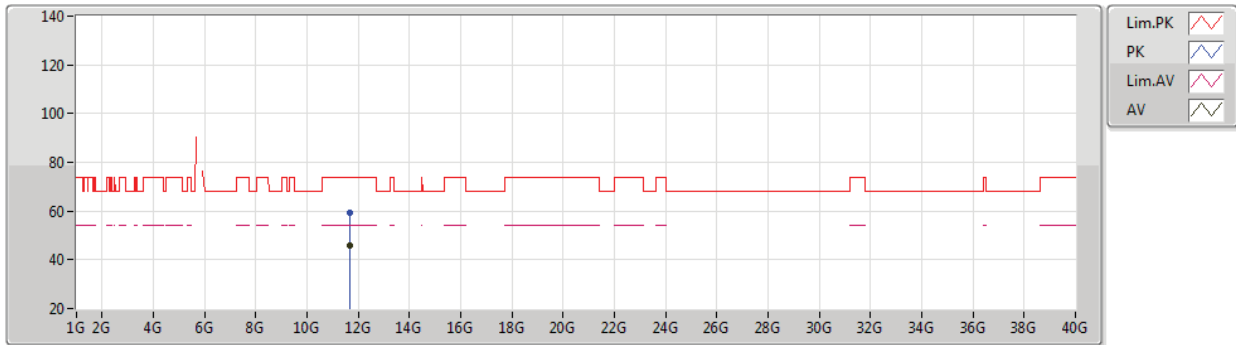


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.819G	109.72	Inf	-Inf	8.44	3	Horizontal	328	1.67	-	101.28	32.04	7.01	30.61
PK	5.5766G	57.92	68.20	-10.28	8.17	3	Horizontal	328	1.67	-	49.75	31.85	6.89	30.57
PK	5.8238G	121.71	Inf	-Inf	8.45	3	Horizontal	328	1.67	-	113.26	32.05	7.01	30.61
PK	5.9246G	63.12	68.50	-5.38	8.73	3	Horizontal	328	1.67	-	54.39	32.30	7.06	30.63

802.11a_Nss1,(6Mbps)_2TX

07/09/2020

5825MHz_TX

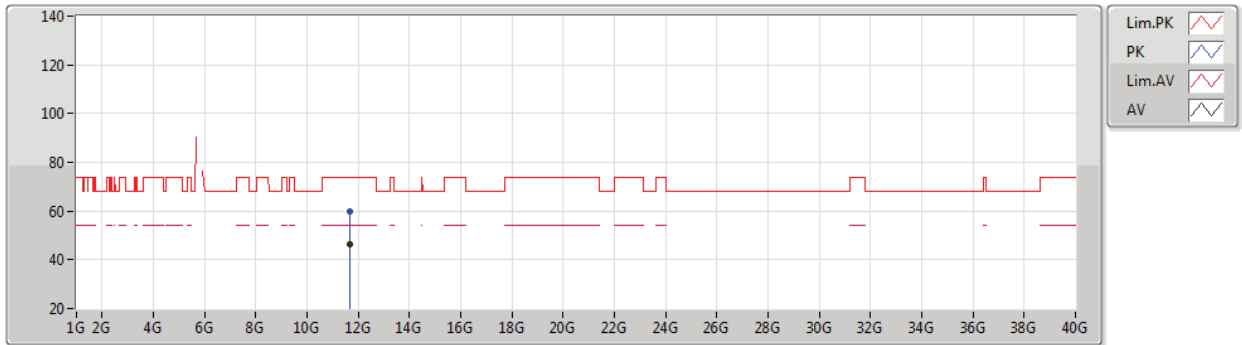


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.65072G	46.02	54.00	-7.98	17.69	3	Vertical	36	2.68	-	28.33	39.60	9.54	31.45
PK	11.65644G	59.25	74.00	-14.75	17.66	3	Vertical	36	2.68	-	41.59	39.56	9.55	31.45

802.11a_Nss1,(6Mbps)_2TX

07/09/2020

5825MHz_TX

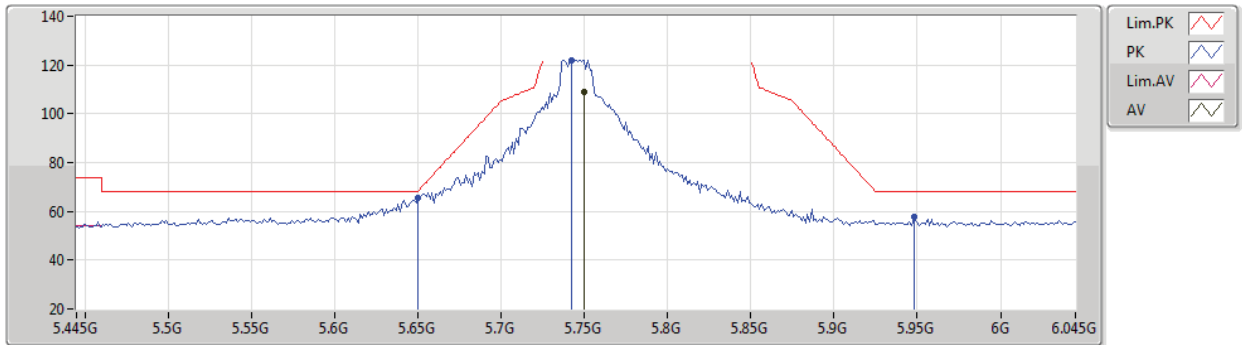


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.65076G	46.18	54.00	-7.82	17.69	3	Horizontal	345	1.51	-	28.49	39.60	9.54	31.45
PK	11.65568G	59.85	74.00	-14.15	17.67	3	Horizontal	345	1.51	-	42.18	39.57	9.55	31.45

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5745MHz_TX

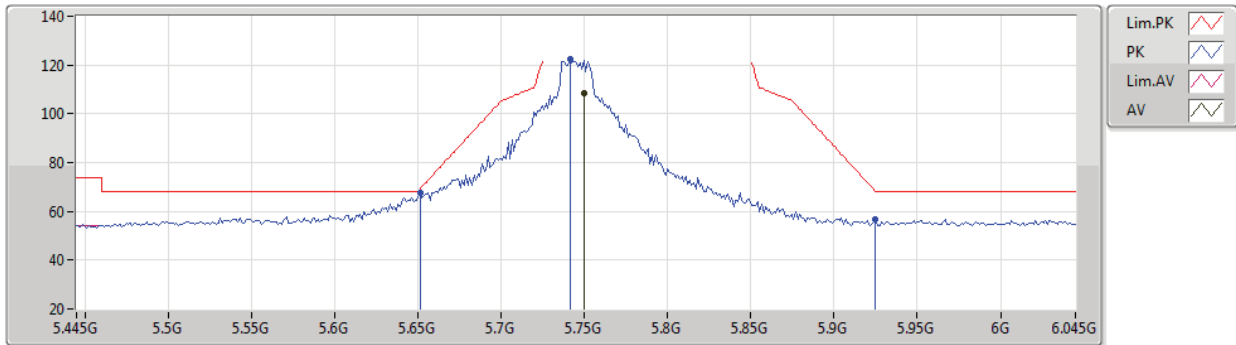


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7498G	108.91	Inf	-Inf	8.37	3	Vertical	360	2.42	-	100.54	32.00	6.97	30.60
PK	5.6502G	65.50	68.35	-2.85	8.05	3	Vertical	360	2.42	-	57.45	31.70	6.93	30.58
PK	5.7426G	122.12	Inf	-Inf	8.36	3	Vertical	360	2.42	-	113.76	31.99	6.97	30.60
PK	5.9478G	57.69	68.20	-10.51	8.83	3	Vertical	360	2.42	-	48.86	32.39	7.07	30.63

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5745MHz_TX

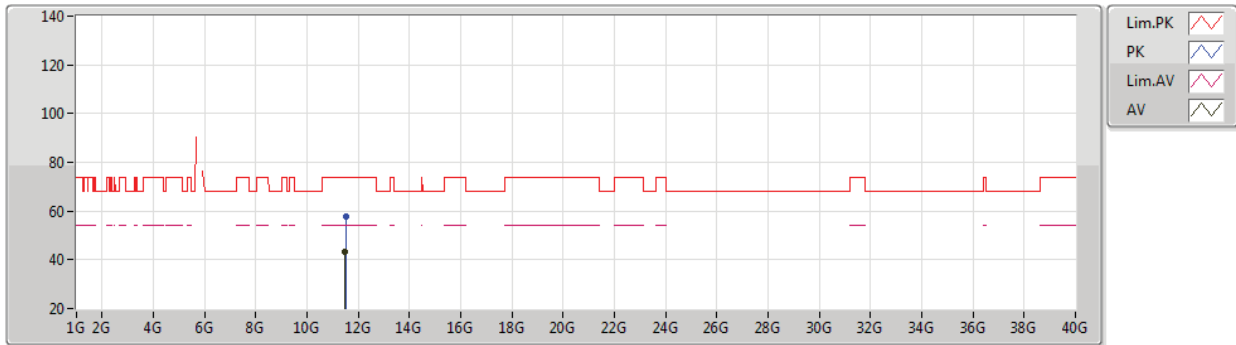


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7498G	108.31	Inf	-Inf	8.37	3	Horizontal	333	1.55	-	99.94	32.00	6.97	30.60
PK	5.6514G	67.52	69.24	-1.72	8.06	3	Horizontal	333	1.55	-	59.46	31.71	6.93	30.58
PK	5.7414G	122.20	Inf	-Inf	8.35	3	Horizontal	333	1.55	-	113.85	31.98	6.97	30.60
PK	5.925G	56.84	68.20	-11.36	8.73	3	Horizontal	333	1.55	-	48.11	32.30	7.06	30.63

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5745MHz_TX

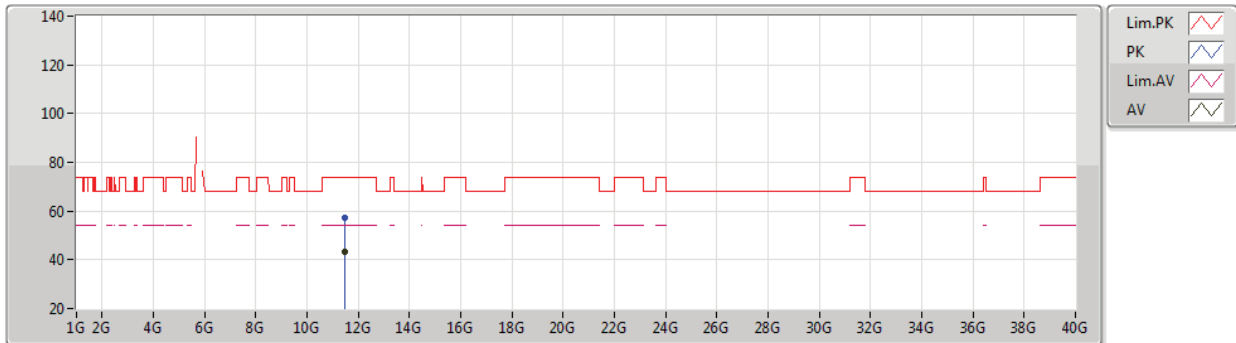


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.488G	43.04	54.00	-10.96	18.04	3	Vertical	0	2.33	-	25.00	39.99	9.47	31.42
PK	11.5044G	57.60	74.00	-16.40	18.06	3	Vertical	0	2.33	-	39.54	40.00	9.48	31.42

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5745MHz_TX

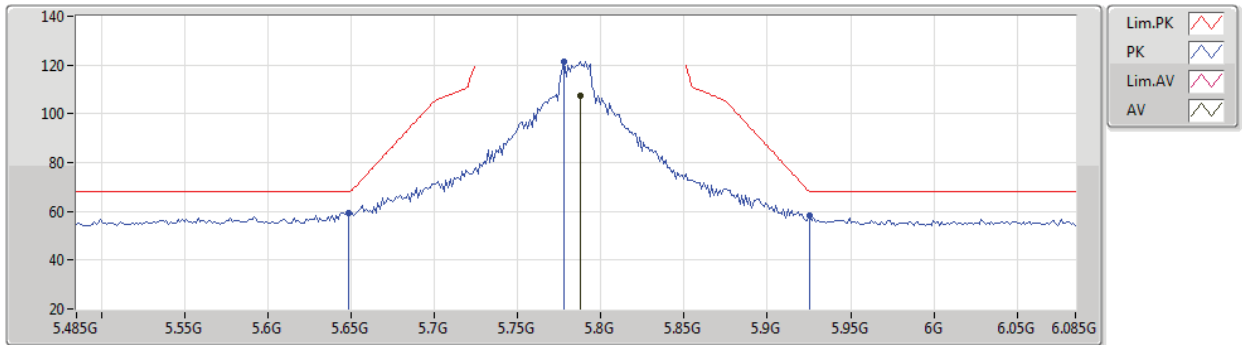


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.4879G	43.14	54.00	-10.86	18.04	3	Horizontal	58	3.00	-	25.10	39.99	9.47	31.42
PK	11.4689G	57.20	74.00	-16.80	18.01	3	Horizontal	58	3.00	-	39.19	39.97	9.46	31.42

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5785MHz_TX

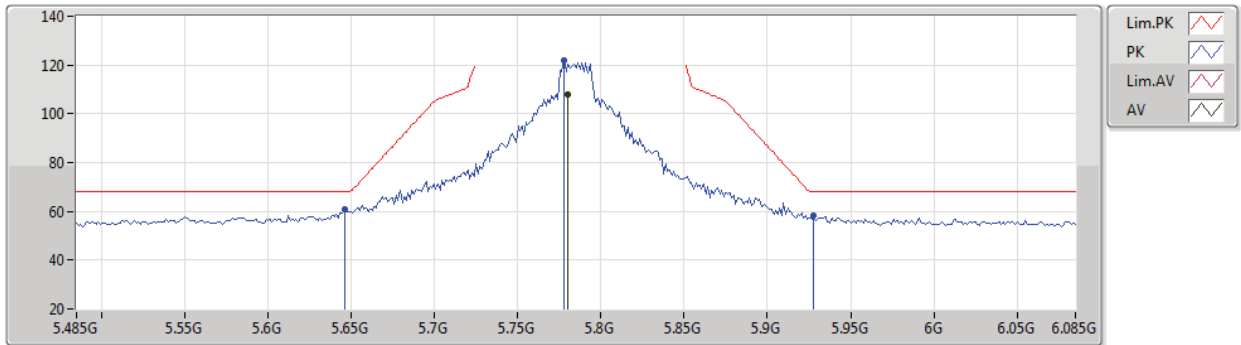


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7874G	107.56	Inf	-Inf	8.38	3	Vertical	360	2.69	-	99.18	32.00	6.99	30.61
PK	5.6482G	59.28	68.20	-8.92	8.05	3	Vertical	360	2.69	-	51.23	31.71	6.92	30.58
PK	5.7778G	121.63	Inf	-Inf	8.39	3	Vertical	360	2.69	-	113.24	32.00	6.99	30.60
PK	5.9254G	58.13	68.20	-10.07	8.73	3	Vertical	360	2.69	-	49.40	32.30	7.06	30.63

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5785MHz_TX

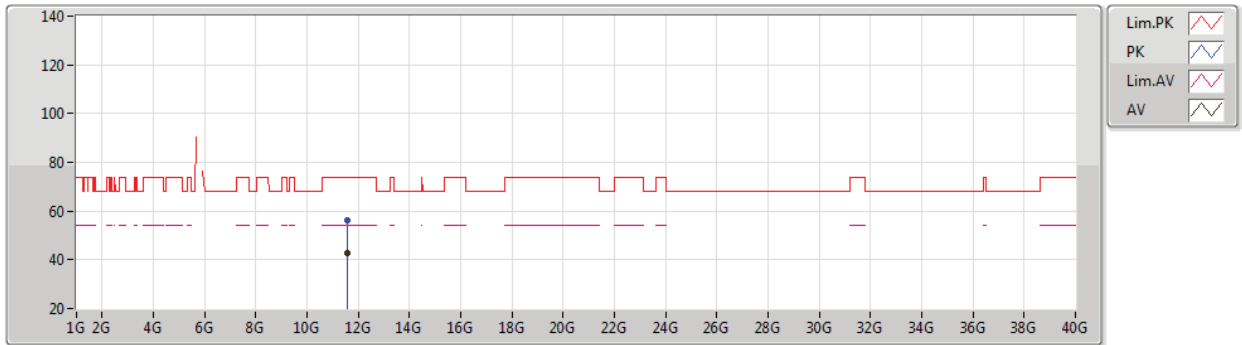


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7802G	107.97	Inf	-Inf	8.39	3	Horizontal	334	1.97	-	99.58	32.00	6.99	30.60
PK	5.6458G	60.82	68.20	-7.38	8.06	3	Horizontal	334	1.97	-	52.76	31.72	6.92	30.58
PK	5.7778G	121.95	Inf	-Inf	8.39	3	Horizontal	334	1.97	-	113.56	32.00	6.99	30.60
PK	5.9278G	58.27	68.20	-9.93	8.74	3	Horizontal	334	1.97	-	49.53	32.31	7.06	30.63

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5785MHz_TX

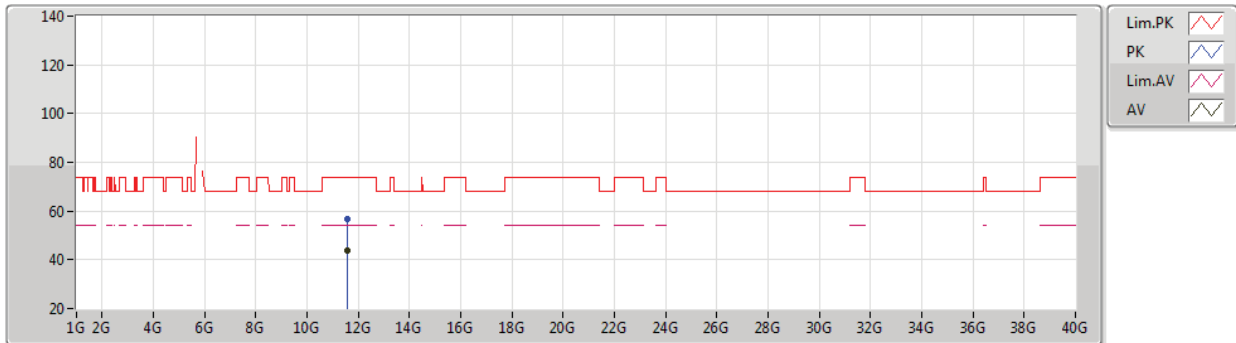


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5704G	42.95	54.00	-11.05	18.00	3	Vertical	19	2.73	-	24.95	39.93	9.51	31.44
PK	11.5559G	56.37	74.00	-17.63	18.01	3	Vertical	19	2.73	-	38.36	39.94	9.50	31.43

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5785MHz_TX

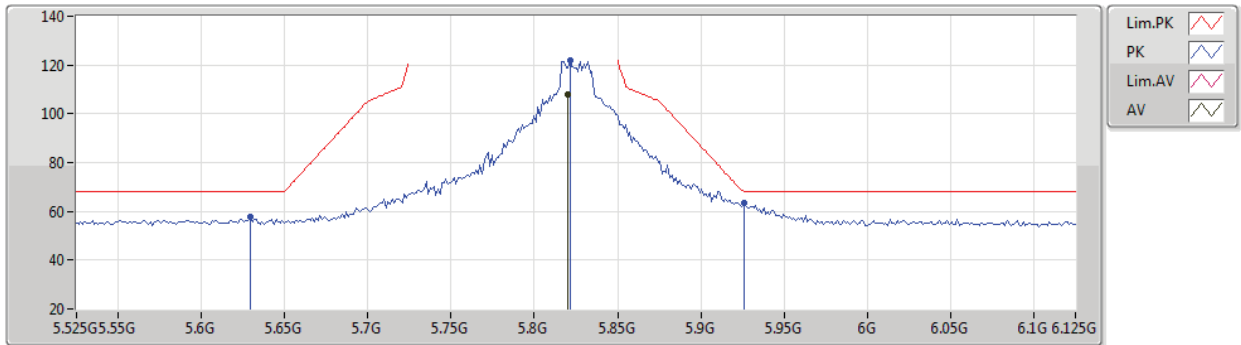


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.5698G	43.56	54.00	-10.44	18.00	3	Horizontal	0	1.50	-	25.56	39.93	9.51	31.44
PK	11.5702G	56.97	74.00	-17.03	18.00	3	Horizontal	0	1.50	-	38.97	39.93	9.51	31.44

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5825MHz_TX

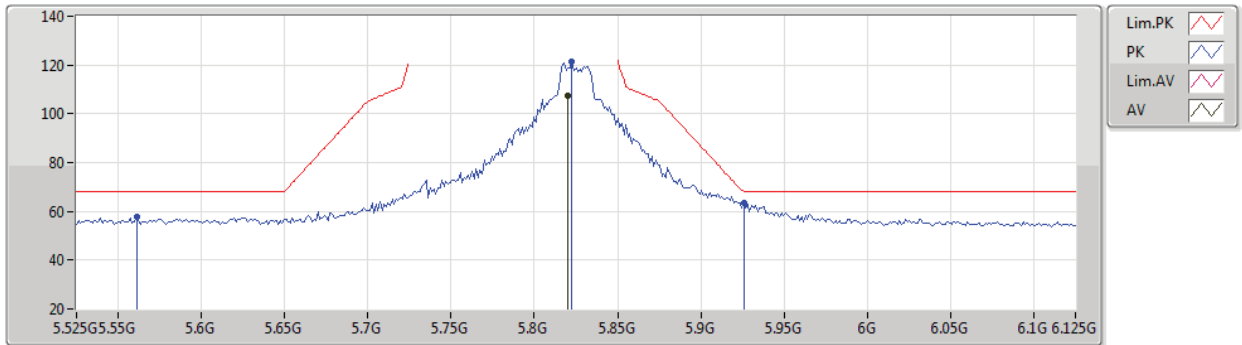


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8202G	107.76	Inf	-Inf	8.44	3	Vertical	360	2.36	-	99.32	32.04	7.01	30.61
PK	5.6294G	57.76	68.20	-10.44	8.11	3	Vertical	360	2.36	-	49.65	31.78	6.91	30.58
PK	5.8214G	122.00	Inf	-Inf	8.44	3	Vertical	360	2.36	-	113.56	32.04	7.01	30.61
PK	5.9258G	63.34	68.20	-4.86	8.73	3	Vertical	360	2.36	-	54.61	32.30	7.06	30.63

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

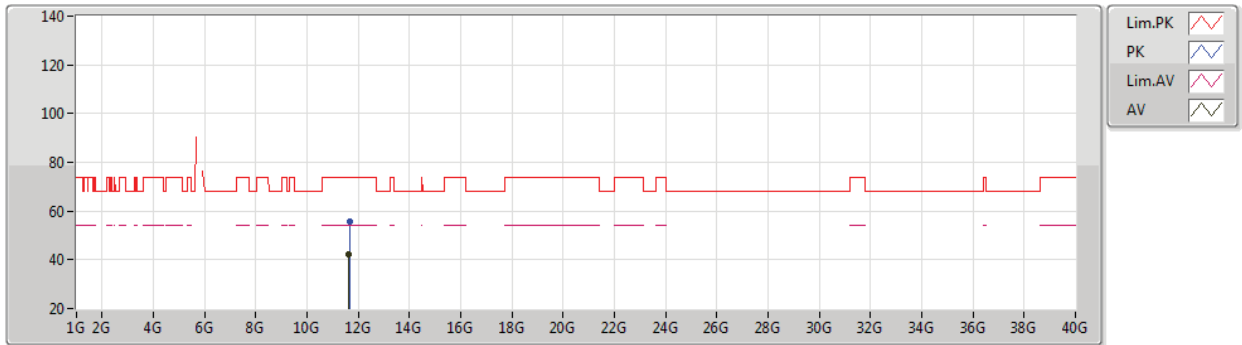
5825MHz_TX



802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5825MHz_TX

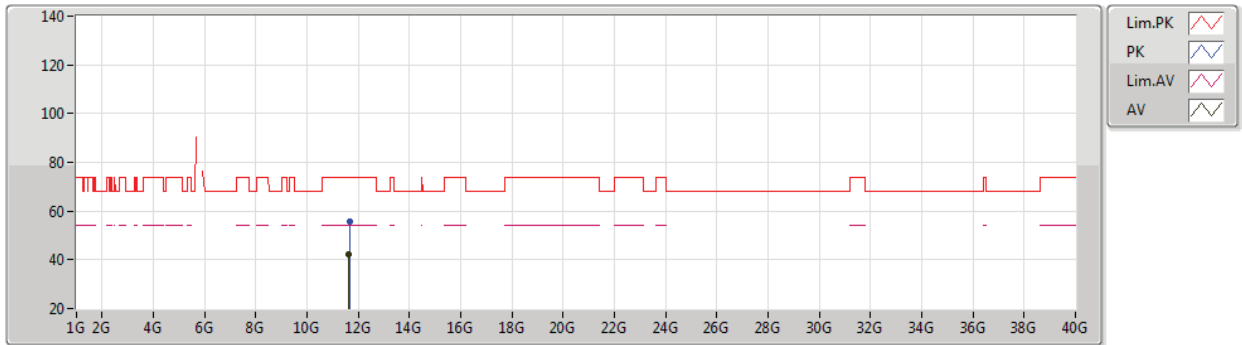


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.61016G	42.30	54.00	-11.70	17.92	3	Vertical	9	1.84	-	24.38	39.84	9.52	31.44
PK	11.65592G	55.75	74.00	-18.25	17.66	3	Vertical	9	1.84	-	38.09	39.56	9.55	31.45

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5825MHz_TX

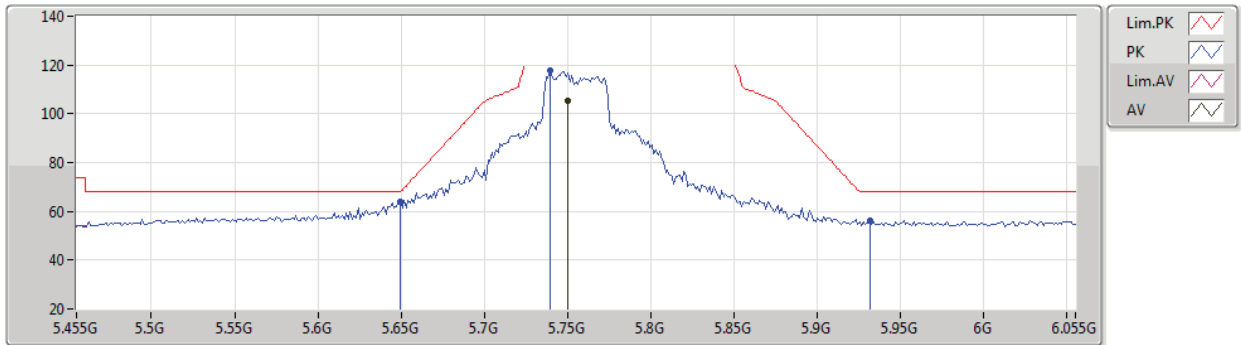


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.61112G	42.30	54.00	-11.70	17.92	3	Horizontal	0	2.45	-	24.38	39.83	9.53	31.44
PK	11.6844G	55.80	74.00	-18.20	17.49	3	Horizontal	0	2.45	-	38.31	39.39	9.56	31.46

802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

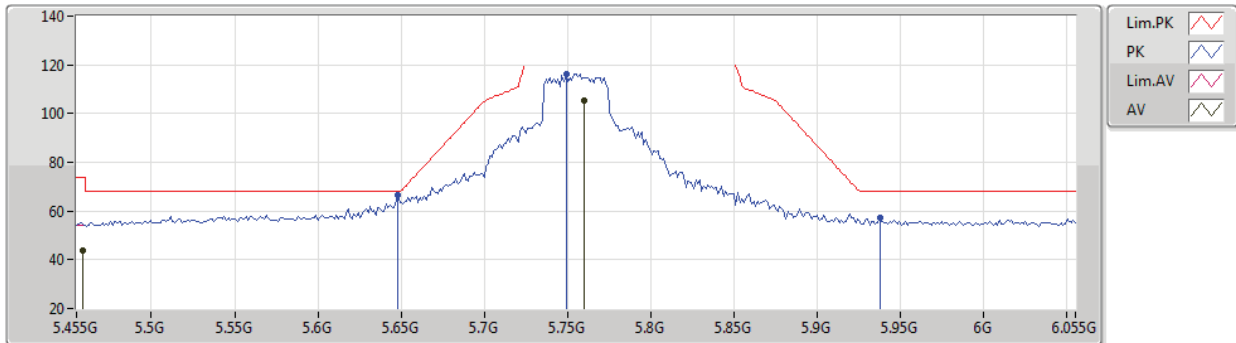
5755MHz_TX



802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5755MHz_TX

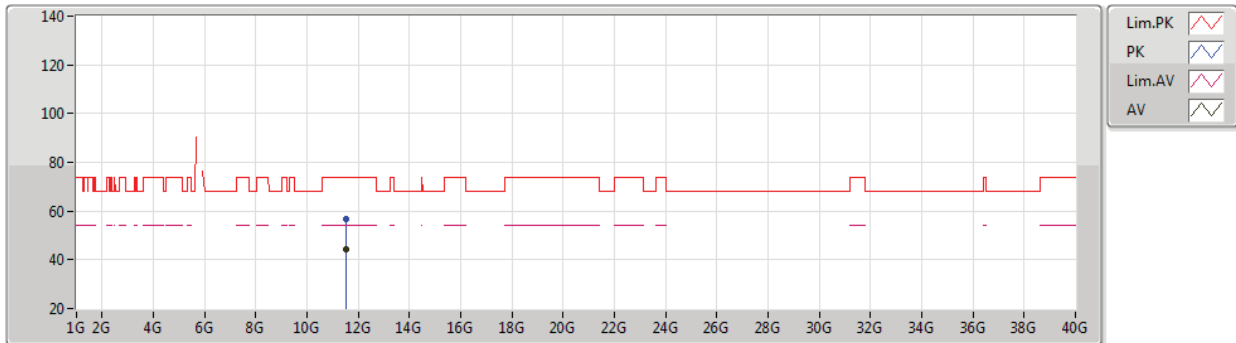


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4586G	43.66	54.00	-10.34	7.90	3	Horizontal	333	1.14	-	35.76	31.63	6.83	30.56
AV	5.7598G	105.25	Inf	-Inf	8.38	3	Horizontal	333	1.14	-	96.87	32.00	6.98	30.60
PK	5.6482G	66.36	68.20	-1.84	8.05	3	Horizontal	333	1.14	-	58.31	31.71	6.92	30.58
PK	5.749G	116.29	Inf	-Inf	8.37	3	Horizontal	333	1.14	-	107.92	32.00	6.97	30.60
PK	5.9374G	57.05	68.20	-11.15	8.79	3	Horizontal	333	1.14	-	48.26	32.35	7.07	30.63

802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5755MHz_TX

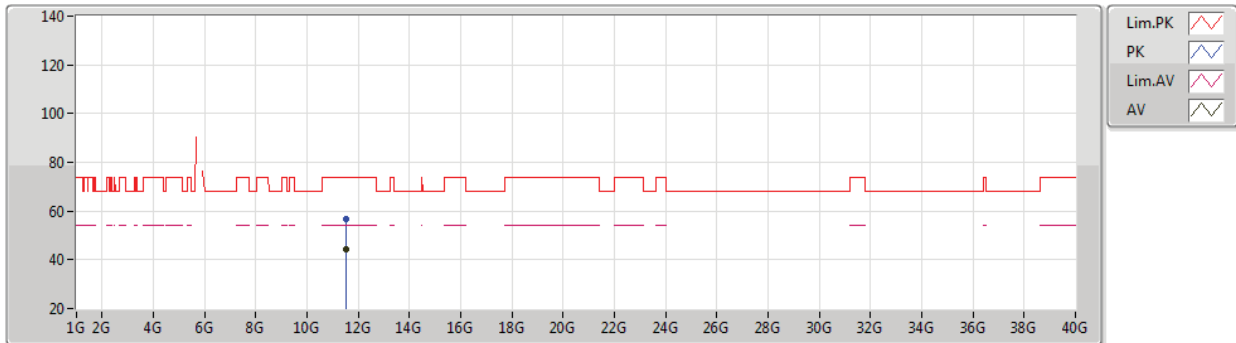


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5404G	44.18	54.00	-9.82	18.02	3	Vertical	86	1.38	-	26.16	39.96	9.49	31.43
PK	11.53544G	56.63	74.00	-17.37	18.02	3	Vertical	86	1.38	-	38.61	39.96	9.49	31.43

802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5755MHz_TX

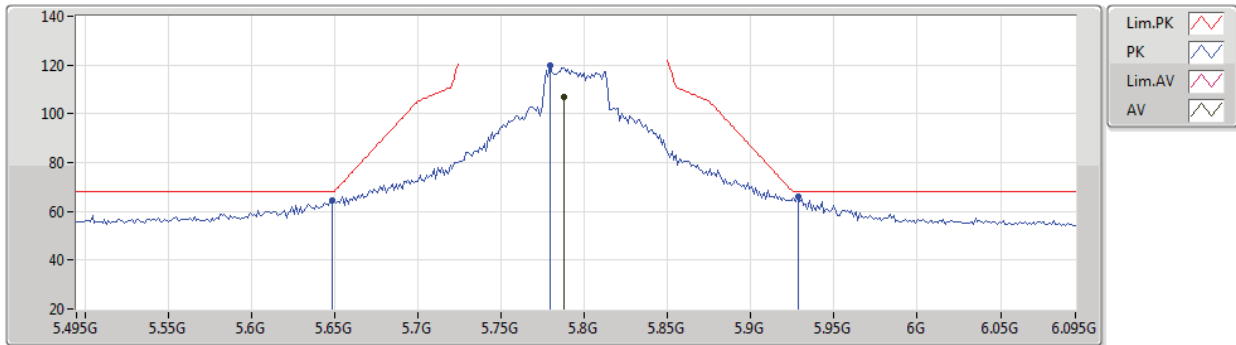


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.50488G	44.36	54.00	-9.64	18.06	3	Horizontal	358	1.68	-	26.30	40.00	9.48	31.42
PK	11.51912G	56.72	74.00	-17.28	18.04	3	Horizontal	358	1.68	-	38.68	39.98	9.48	31.42

802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5795MHz_TX

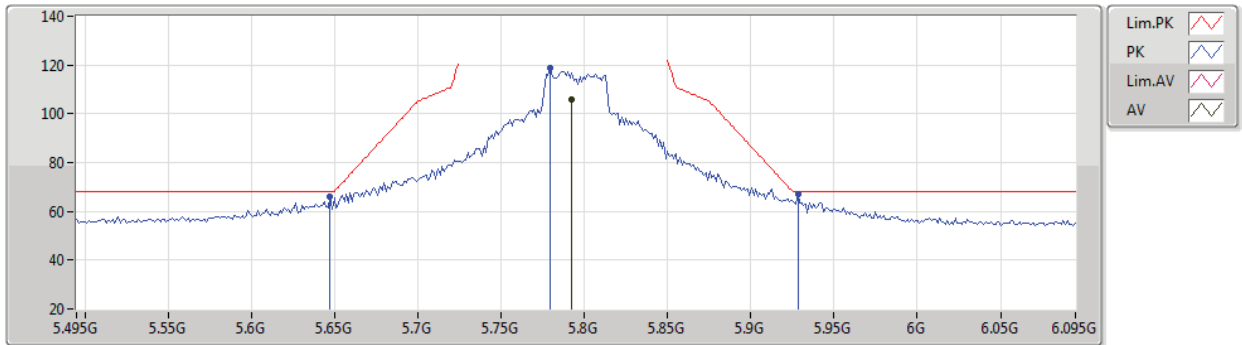


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7878G	106.90	Inf	-Inf	8.38	3	Vertical	360	2.38	-	98.52	32.00	6.99	30.61
PK	5.6486G	64.71	68.20	-3.49	8.05	3	Vertical	360	2.38	-	56.66	31.71	6.92	30.58
PK	5.7794G	120.00	Inf	-Inf	8.39	3	Vertical	360	2.38	-	111.61	32.00	6.99	30.60
PK	5.9282G	66.13	68.20	-2.07	8.74	3	Vertical	360	2.38	-	57.39	32.31	7.06	30.63

802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5795MHz_TX

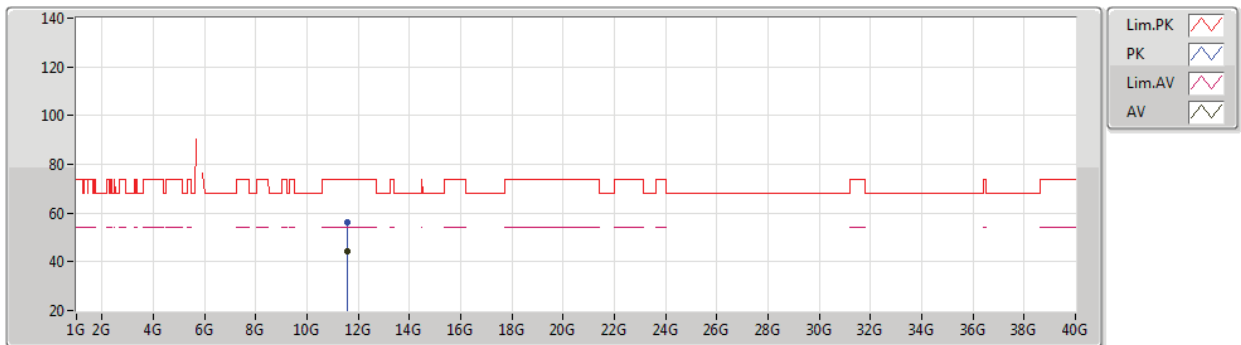


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7926G	105.81	Inf	-Inf	8.39	3	Horizontal	333	1.62	-	97.42	32.00	7.00	30.61
PK	5.6474G	65.88	68.20	-2.32	8.05	3	Horizontal	333	1.62	-	57.83	31.71	6.92	30.58
PK	5.7794G	118.69	Inf	-Inf	8.39	3	Horizontal	333	1.62	-	110.30	32.00	6.99	30.60
PK	5.9282G	66.91	68.20	-1.29	8.74	3	Horizontal	333	1.62	-	58.17	32.31	7.06	30.63

802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5795MHz_TX

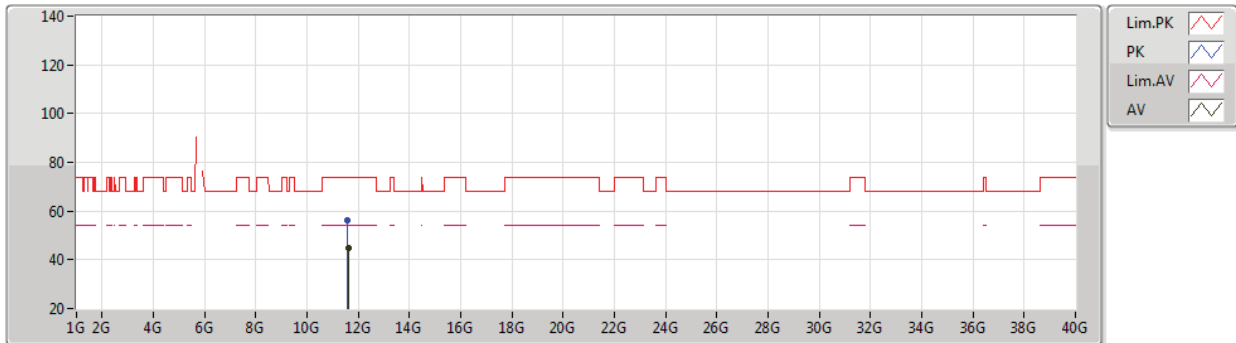


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5844G	44.20	54.00	-9.80	17.99	3	Vertical	112	2.06	-	26.21	39.92	9.51	31.44
PK	11.57608G	56.27	74.00	-17.73	17.99	3	Vertical	112	2.06	-	38.28	39.92	9.51	31.44

802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5795MHz_TX

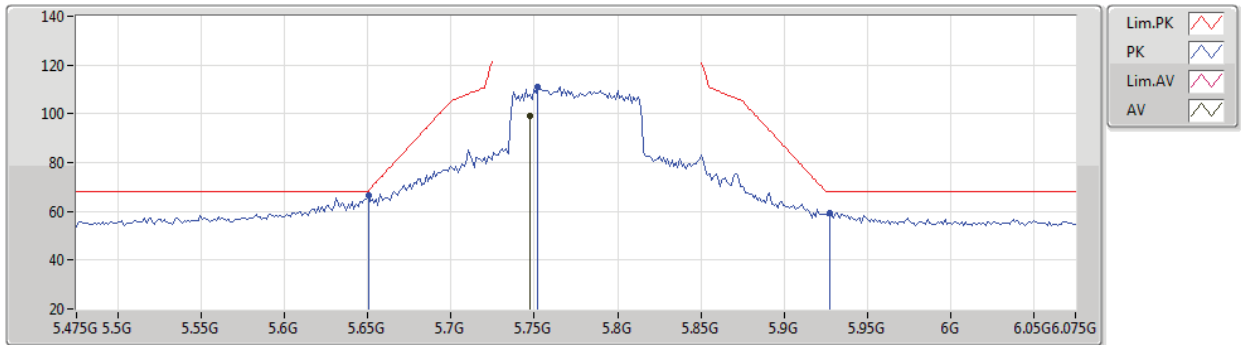


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.60264G	44.74	54.00	-9.26	17.96	3	Horizontal	18	1.66	-	26.78	39.88	9.52	31.44
PK	11.55208G	56.26	74.00	-17.74	18.02	3	Horizontal	18	1.66	-	38.24	39.95	9.50	31.43

802.11ax HEW80_Nss1,(MCS0)_2TX

08/09/2020

5775MHz_TX

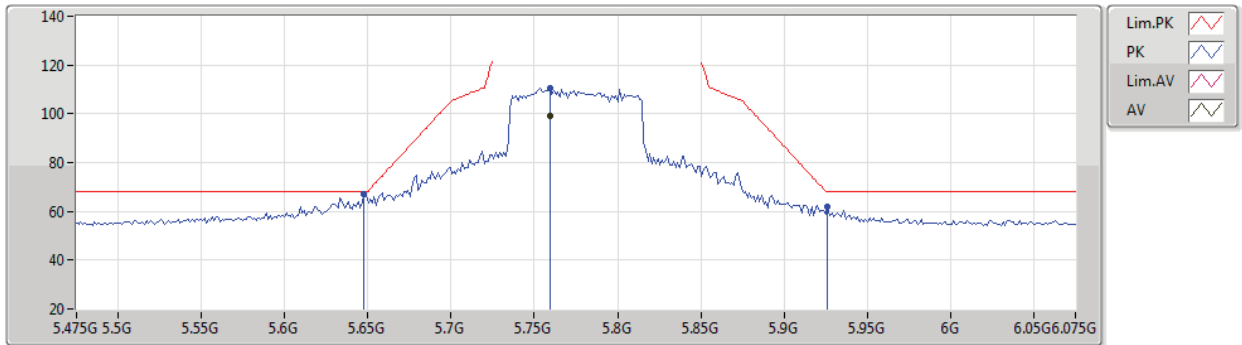


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7474G	99.23	Inf	-Inf	8.36	3	Vertical	0	2.72	-	90.87	31.99	6.97	30.60
PK	5.6502G	66.56	68.35	-1.79	8.05	3	Vertical	0	2.72	-	58.51	31.70	6.93	30.58
PK	5.7522G	111.24	Inf	-Inf	8.38	3	Vertical	0	2.72	-	102.86	32.00	6.98	30.60
PK	5.9274G	59.50	68.20	-8.70	8.74	3	Vertical	0	2.72	-	50.76	32.31	7.06	30.63

802.11ax HEW80_Nss1,(MCS0)_2TX

08/09/2020

5775MHz_TX

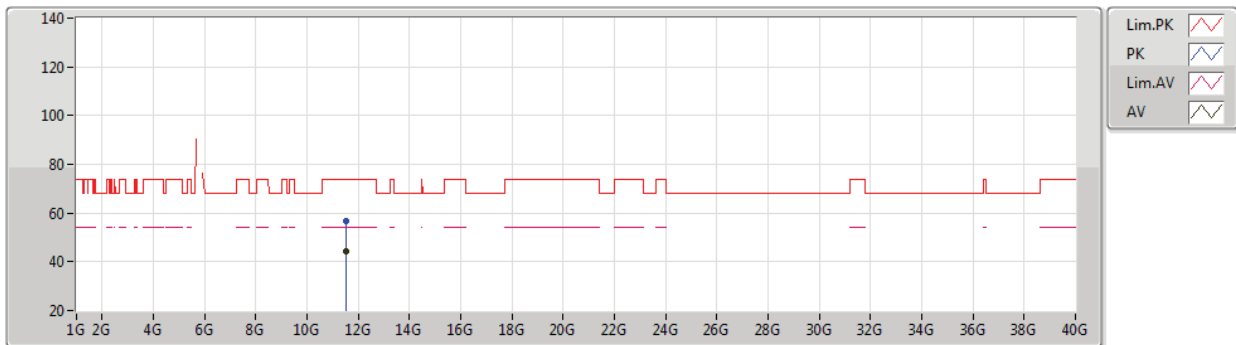


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7594G	99.29	Inf	-Inf	8.38	3	Horizontal	331	1.14	-	90.91	32.00	6.98	30.60
PK	5.6478G	67.15	68.20	-1.05	8.05	3	Horizontal	331	1.14	-	59.10	31.71	6.92	30.58
PK	5.7594G	110.66	Inf	-Inf	8.38	3	Horizontal	331	1.14	-	102.28	32.00	6.98	30.60
PK	5.9262G	61.76	68.20	-6.44	8.73	3	Horizontal	331	1.14	-	53.03	32.30	7.06	30.63

802.11ax HEW80_Nss1,(MCS0)_2TX

08/09/2020

5775MHz_TX

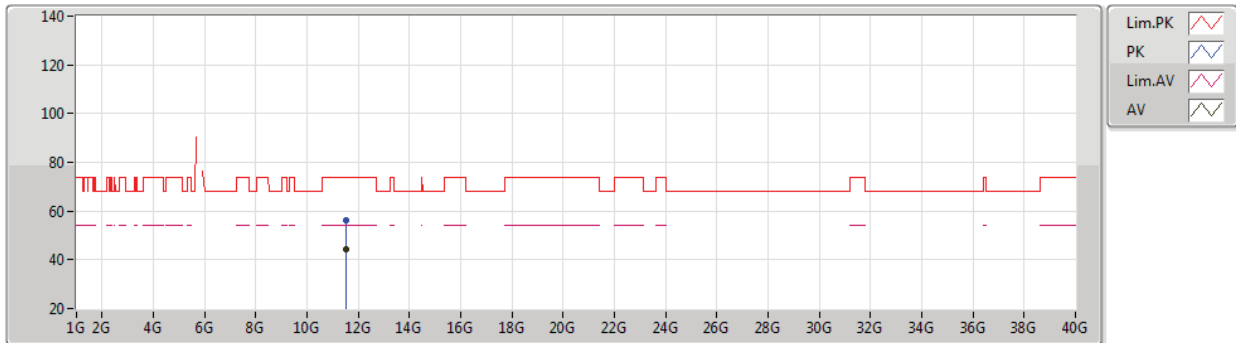


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.5356G	44.37	54.00	-9.63	18.02	3	Vertical	161	1.50	-	26.35	39.96	9.49	31.43
PK	11.5332G	56.68	74.00	-17.32	18.03	3	Vertical	161	1.50	-	38.65	39.97	9.49	31.43

802.11ax HEW80_Nss1,(MCS0)_2TX

08/09/2020

5775MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.51528G	44.36	54.00	-9.64	18.04	3	Horizontal	96	2.16	-	26.32	39.98	9.48	31.42
PK	11.51128G	56.46	74.00	-17.54	18.05	3	Horizontal	96	2.16	-	38.41	39.99	9.48	31.42



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1.(MCS0)_2TX	Pass	PK	61.04M	34.80	40.00	-5.20	3	Vertical	0	1.00	-

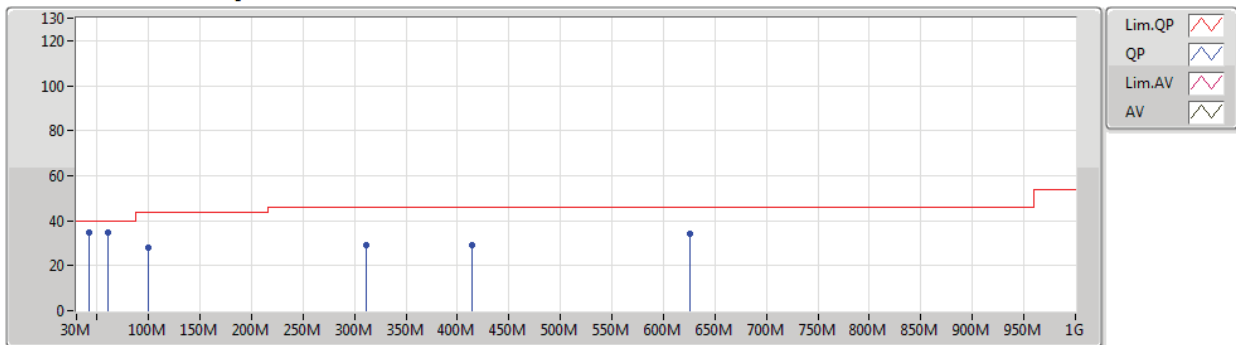
**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	41.64M	34.78	40.00	-5.22	3	Vertical	0	1.00	-
5775MHz	Pass	PK	61.04M	34.80	40.00	-5.20	3	Vertical	0	1.00	-
5775MHz	Pass	PK	99.84M	27.92	43.50	-15.58	3	Vertical	0	1.00	-
5775MHz	Pass	PK	311.3M	29.41	46.00	-16.59	3	Vertical	0	1.00	-
5775MHz	Pass	PK	414.12M	28.95	46.00	-17.05	3	Vertical	0	1.00	-
5775MHz	Pass	PK	625.58M	33.97	46.00	-12.03	3	Vertical	0	1.00	-
5775MHz	Pass	PK	61.04M	30.92	40.00	-9.08	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	99.84M	29.03	43.50	-14.47	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	266.68M	25.22	46.00	-20.78	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	375.32M	27.54	46.00	-18.46	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	546.04M	31.13	46.00	-14.87	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	625.58M	32.78	46.00	-13.22	3	Horizontal	360	1.00	-

802.11ax HEW80_Nss1,(MCS0)_2TX

12/08/2020

5775MHz_Adapter

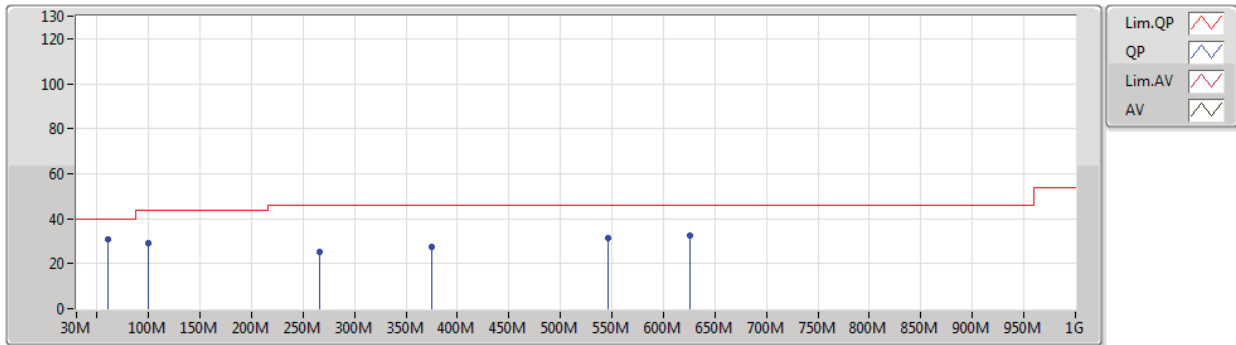


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	41.64M	34.78	40.00	-5.22	-9.82	3	Vertical	0	1.00	-	44.60	16.72	1.00	27.54
PK	61.04M	34.80	40.00	-5.20	-14.99	3	Vertical	0	1.00	-	49.79	11.28	1.22	27.49
PK	99.84M	27.92	43.50	-15.58	-9.86	3	Vertical	0	1.00	-	37.78	15.93	1.60	27.39
PK	311.3M	29.41	46.00	-16.59	-5.09	3	Vertical	0	1.00	-	34.50	18.68	2.95	26.72
PK	414.12M	28.95	46.00	-17.05	-2.26	3	Vertical	0	1.00	-	31.21	21.78	3.33	27.37
PK	625.58M	33.97	46.00	-12.03	-0.01	3	Vertical	0	1.00	-	33.98	23.85	4.20	28.06

802.11ax HEW80_Nss1,(MCS0)_2TX

12/08/2020

5775MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	61.04M	30.92	40.00	-9.08	-14.99	3	Horizontal	360	1.00	-	45.91	11.28	1.22	27.49
PK	99.84M	29.03	43.50	-14.47	-9.86	3	Horizontal	360	1.00	-	38.89	15.93	1.60	27.39
PK	266.68M	25.22	46.00	-20.78	-5.81	3	Horizontal	360	1.00	-	31.03	18.18	2.70	26.69
PK	375.32M	27.54	46.00	-18.46	-3.85	3	Horizontal	360	1.00	-	31.39	20.05	3.20	27.10
PK	546.04M	31.13	46.00	-14.87	-0.16	3	Horizontal	360	1.00	-	31.29	23.96	3.88	28.00
PK	625.58M	32.78	46.00	-13.22	-0.01	3	Horizontal	360	1.00	-	32.79	23.85	4.20	28.06

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.1472G	52.60	54.00	-1.40	3	Vertical	338	2.49	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.1484G	52.71	54.00	-1.29	3	Vertical	337	2.32	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.1492G	52.14	54.00	-1.86	3	Vertical	20	2.32	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.146G	52.45	54.00	-1.55	3	Vertical	20	2.41	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.9258G	66.49	68.20	-1.71	3	Vertical	44	2.35	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	PK	5.6502G	67.11	68.35	-1.24	3	Vertical	49	2.37	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	5.9258G	66.65	68.20	-1.55	3	Vertical	45	2.36	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	5.9322G	66.82	68.20	-1.38	3	Vertical	43	2.52	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1472G	52.60	54.00	-1.40	3	Vertical	338	2.49	-
5180MHz	Pass	AV	5.177G	107.88	Inf	-Inf	3	Vertical	338	2.49	-
5180MHz	Pass	PK	5.15G	70.76	74.00	-3.24	3	Vertical	338	2.49	-
5180MHz	Pass	PK	5.1768G	115.69	Inf	-Inf	3	Vertical	338	2.49	-
5180MHz	Pass	AV	5.1498G	50.88	54.00	-3.12	3	Horizontal	65	2.28	-
5180MHz	Pass	AV	5.1856G	102.45	Inf	-Inf	3	Horizontal	65	2.28	-
5180MHz	Pass	PK	5.15G	71.22	74.00	-2.78	3	Horizontal	65	2.28	-
5180MHz	Pass	PK	5.1864G	111.28	Inf	-Inf	3	Horizontal	65	2.28	-
5180MHz	Pass	PK	10.36488G	57.22	68.20	-10.98	3	Vertical	333	1.87	-
5180MHz	Pass	PK	10.35636G	57.03	68.20	-11.17	3	Horizontal	242	1.50	-
5200MHz	Pass	AV	5.1496G	48.18	54.00	-5.82	3	Vertical	336	2.36	-
5200MHz	Pass	AV	5.202G	107.85	Inf	-Inf	3	Vertical	336	2.36	-
5200MHz	Pass	PK	5.1496G	63.31	74.00	-10.69	3	Vertical	336	2.36	-
5200MHz	Pass	PK	5.1968G	116.11	Inf	-Inf	3	Vertical	336	2.36	-
5200MHz	Pass	AV	5.1488G	46.48	54.00	-7.52	3	Horizontal	64	2.18	-
5200MHz	Pass	AV	5.2056G	102.09	Inf	-Inf	3	Horizontal	64	2.18	-
5200MHz	Pass	PK	5.1484G	59.86	74.00	-14.14	3	Horizontal	64	2.18	-
5200MHz	Pass	PK	5.2064G	110.84	Inf	-Inf	3	Horizontal	64	2.18	-
5200MHz	Pass	PK	10.3974G	57.40	68.20	-10.80	3	Vertical	1	2.49	-
5200MHz	Pass	PK	10.40156G	56.93	68.20	-11.27	3	Horizontal	171	1.03	-
5240MHz	Pass	AV	5.1476G	47.52	54.00	-6.48	3	Vertical	74	2.54	-
5240MHz	Pass	AV	5.243G	108.30	Inf	-Inf	3	Vertical	74	2.54	-
5240MHz	Pass	AV	5.3588G	46.09	54.00	-7.91	3	Vertical	74	2.54	-
5240MHz	Pass	PK	5.138G	58.86	74.00	-15.14	3	Vertical	74	2.54	-
5240MHz	Pass	PK	5.2334G	116.33	Inf	-Inf	3	Vertical	74	2.54	-
5240MHz	Pass	PK	5.3684G	57.72	74.00	-16.28	3	Vertical	74	2.54	-
5240MHz	Pass	AV	5.147G	45.68	54.00	-8.32	3	Horizontal	50	3.00	-
5240MHz	Pass	AV	5.2466G	102.10	Inf	-Inf	3	Horizontal	50	3.00	-
5240MHz	Pass	AV	5.3618G	44.87	54.00	-9.13	3	Horizontal	50	3.00	-
5240MHz	Pass	PK	5.135G	57.86	74.00	-16.14	3	Horizontal	50	3.00	-
5240MHz	Pass	PK	5.2466G	110.63	Inf	-Inf	3	Horizontal	50	3.00	-
5240MHz	Pass	PK	5.3894G	57.91	74.00	-16.09	3	Horizontal	50	3.00	-
5240MHz	Pass	PK	10.48216G	57.33	68.20	-10.87	3	Vertical	161	1.78	-
5240MHz	Pass	PK	10.47804G	58.15	68.20	-10.05	3	Horizontal	64	2.12	-
5745MHz	Pass	AV	5.751G	112.57	Inf	-Inf	3	Vertical	47	2.42	-
5745MHz	Pass	PK	5.649G	66.34	68.20	-1.86	3	Vertical	47	2.42	-
5745MHz	Pass	PK	5.7522G	122.44	Inf	-Inf	3	Vertical	47	2.42	-
5745MHz	Pass	PK	5.925G	57.17	68.20	-11.03	3	Vertical	47	2.42	-
5745MHz	Pass	AV	5.7474G	105.51	Inf	-Inf	3	Horizontal	225	2.97	-
5745MHz	Pass	PK	5.6442G	59.12	68.20	-9.08	3	Horizontal	225	2.97	-
5745MHz	Pass	PK	5.7462G	115.06	Inf	-Inf	3	Horizontal	225	2.97	-
5745MHz	Pass	PK	5.9526G	56.28	68.20	-11.92	3	Horizontal	225	2.97	-
5745MHz	Pass	AV	11.49256G	44.66	54.00	-9.34	3	Vertical	35	1.83	-
5745MHz	Pass	PK	11.4932G	57.71	74.00	-16.29	3	Vertical	35	1.83	-
5745MHz	Pass	AV	11.49292G	43.23	54.00	-10.77	3	Horizontal	295	1.73	-
5745MHz	Pass	PK	11.49412G	56.97	74.00	-17.03	3	Horizontal	295	1.73	-
5785MHz	Pass	AV	5.7874G	112.76	Inf	-Inf	3	Vertical	45	2.52	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5785MHz	Pass	PK	5.635G	60.23	68.20	-7.97	3	Vertical	45	2.52	-
5785MHz	Pass	PK	5.7874G	122.34	Inf	-Inf	3	Vertical	45	2.52	-
5785MHz	Pass	PK	5.9266G	60.63	68.20	-7.57	3	Vertical	45	2.52	-
5785MHz	Pass	AV	5.791G	102.73	Inf	-Inf	3	Horizontal	17	2.10	-
5785MHz	Pass	PK	5.6494G	56.35	68.20	-11.85	3	Horizontal	17	2.10	-
5785MHz	Pass	PK	5.791G	113.23	Inf	-Inf	3	Horizontal	17	2.10	-
5785MHz	Pass	PK	6.055G	56.11	68.20	-12.09	3	Horizontal	17	2.10	-
5785MHz	Pass	AV	11.56664G	45.73	54.00	-8.27	3	Vertical	203	2.93	-
5785MHz	Pass	PK	11.57112G	58.60	74.00	-15.40	3	Vertical	203	2.93	-
5785MHz	Pass	AV	11.56944G	43.25	54.00	-10.75	3	Horizontal	250	2.52	-
5785MHz	Pass	PK	11.5662G	56.20	74.00	-17.80	3	Horizontal	250	2.52	-
5825MHz	Pass	AV	5.8262G	112.38	Inf	-Inf	3	Vertical	44	2.35	-
5825MHz	Pass	PK	5.5874G	57.41	68.20	-10.79	3	Vertical	44	2.35	-
5825MHz	Pass	PK	5.831G	122.46	Inf	-Inf	3	Vertical	44	2.35	-
5825MHz	Pass	PK	5.9258G	66.49	68.20	-1.71	3	Vertical	44	2.35	-
5825MHz	Pass	AV	5.8262G	103.93	Inf	-Inf	3	Horizontal	247	2.13	-
5825MHz	Pass	PK	5.6402G	55.73	68.20	-12.47	3	Horizontal	247	2.13	-
5825MHz	Pass	PK	5.8214G	113.93	Inf	-Inf	3	Horizontal	247	2.13	-
5825MHz	Pass	PK	5.927G	60.43	68.20	-7.77	3	Horizontal	247	2.13	-
5825MHz	Pass	AV	11.64912G	44.87	54.00	-9.13	3	Vertical	50	2.86	-
5825MHz	Pass	PK	11.64892G	57.48	74.00	-16.52	3	Vertical	50	2.86	-
5825MHz	Pass	AV	11.65156G	42.44	54.00	-11.56	3	Horizontal	142	1.47	-
5825MHz	Pass	PK	11.6478G	55.68	74.00	-18.32	3	Horizontal	142	1.47	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1484G	52.71	54.00	-1.29	3	Vertical	337	2.32	-
5180MHz	Pass	AV	5.1836G	104.79	Inf	-Inf	3	Vertical	337	2.32	-
5180MHz	Pass	PK	5.1482G	69.77	74.00	-4.23	3	Vertical	337	2.32	-
5180MHz	Pass	PK	5.1784G	116.00	Inf	-Inf	3	Vertical	337	2.32	-
5180MHz	Pass	AV	5.15G	49.89	54.00	-4.11	3	Horizontal	65	2.25	-
5180MHz	Pass	AV	5.183G	99.55	Inf	-Inf	3	Horizontal	65	2.25	-
5180MHz	Pass	PK	5.1496G	65.64	74.00	-8.36	3	Horizontal	65	2.25	-
5180MHz	Pass	PK	5.1854G	110.53	Inf	-Inf	3	Horizontal	65	2.25	-
5180MHz	Pass	PK	10.38336G	55.65	68.20	-12.55	3	Vertical	119	1.45	-
5180MHz	Pass	PK	10.35968G	55.59	68.20	-12.61	3	Horizontal	327	1.50	-
5200MHz	Pass	AV	5.148G	46.58	54.00	-7.42	3	Vertical	21	2.23	-
5200MHz	Pass	AV	5.2036G	104.40	Inf	-Inf	3	Vertical	21	2.23	-
5200MHz	Pass	PK	5.1412G	58.54	74.00	-15.46	3	Vertical	21	2.23	-
5200MHz	Pass	PK	5.2008G	115.40	Inf	-Inf	3	Vertical	21	2.23	-
5200MHz	Pass	AV	5.1488G	45.23	54.00	-8.77	3	Horizontal	77	2.96	-
5200MHz	Pass	AV	5.2024G	98.83	Inf	-Inf	3	Horizontal	77	2.96	-
5200MHz	Pass	PK	5.1468G	57.33	74.00	-16.67	3	Horizontal	77	2.96	-
5200MHz	Pass	PK	5.204G	110.97	Inf	-Inf	3	Horizontal	77	2.96	-
5200MHz	Pass	PK	10.3664G	55.54	68.20	-12.66	3	Vertical	286	1.54	-
5200MHz	Pass	PK	10.36848G	56.15	68.20	-12.05	3	Horizontal	360	1.75	-
5240MHz	Pass	AV	5.144G	46.29	54.00	-7.71	3	Vertical	75	2.63	-
5240MHz	Pass	AV	5.2442G	105.29	Inf	-Inf	3	Vertical	75	2.63	-
5240MHz	Pass	AV	5.35G	44.92	54.00	-9.08	3	Vertical	75	2.63	-
5240MHz	Pass	PK	5.1392G	57.62	74.00	-16.38	3	Vertical	75	2.63	-
5240MHz	Pass	PK	5.237G	116.28	Inf	-Inf	3	Vertical	75	2.63	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	PK	5.3618G	57.02	74.00	-16.98	3	Vertical	75	2.63	-
5240MHz	Pass	AV	5.1458G	44.77	54.00	-9.23	3	Horizontal	45	2.48	-
5240MHz	Pass	AV	5.2436G	98.63	Inf	-Inf	3	Horizontal	45	2.48	-
5240MHz	Pass	AV	5.3684G	43.88	54.00	-10.12	3	Horizontal	45	2.48	-
5240MHz	Pass	PK	5.126G	56.57	74.00	-17.43	3	Horizontal	45	2.48	-
5240MHz	Pass	PK	5.2466G	109.27	Inf	-Inf	3	Horizontal	45	2.48	-
5240MHz	Pass	PK	5.357G	55.94	74.00	-18.06	3	Horizontal	45	2.48	-
5240MHz	Pass	PK	10.45216G	55.98	68.20	-12.22	3	Vertical	127	1.72	-
5240MHz	Pass	PK	10.47168G	55.73	68.20	-12.47	3	Horizontal	71	1.77	-
5745MHz	Pass	AV	5.7438G	111.17	Inf	-Inf	3	Vertical	49	2.37	-
5745MHz	Pass	PK	5.6502G	67.11	68.35	-1.24	3	Vertical	49	2.37	-
5745MHz	Pass	PK	5.7462G	122.33	Inf	-Inf	3	Vertical	49	2.37	-
5745MHz	Pass	PK	5.9538G	56.99	68.20	-11.21	3	Vertical	49	2.37	-
5745MHz	Pass	AV	5.7462G	104.40	Inf	-Inf	3	Horizontal	224	2.97	-
5745MHz	Pass	PK	5.6502G	59.19	68.35	-9.16	3	Horizontal	224	2.97	-
5745MHz	Pass	PK	5.7462G	116.68	Inf	-Inf	3	Horizontal	224	2.97	-
5745MHz	Pass	PK	6.0186G	55.59	68.20	-12.61	3	Horizontal	224	2.97	-
5745MHz	Pass	AV	11.4902G	44.40	54.00	-9.60	3	Vertical	191	2.43	-
5745MHz	Pass	PK	11.4906G	56.51	74.00	-17.49	3	Vertical	191	2.43	-
5745MHz	Pass	AV	11.48484G	43.49	54.00	-10.51	3	Horizontal	307	1.68	-
5745MHz	Pass	PK	11.4878G	56.04	74.00	-17.96	3	Horizontal	307	1.68	-
5785MHz	Pass	AV	5.7838G	111.70	Inf	-Inf	3	Vertical	44	2.51	-
5785MHz	Pass	PK	5.6458G	61.26	68.20	-6.94	3	Vertical	44	2.51	-
5785MHz	Pass	PK	5.779G	122.54	Inf	-Inf	3	Vertical	44	2.51	-
5785MHz	Pass	PK	5.9278G	63.18	68.20	-5.02	3	Vertical	44	2.51	-
5785MHz	Pass	AV	5.7898G	103.63	Inf	-Inf	3	Horizontal	243	1.00	-
5785MHz	Pass	PK	5.647G	56.12	68.20	-12.08	3	Horizontal	243	1.00	-
5785MHz	Pass	PK	5.7934G	114.64	Inf	-Inf	3	Horizontal	243	1.00	-
5785MHz	Pass	PK	5.947G	55.94	68.20	-12.26	3	Horizontal	243	1.00	-
5785MHz	Pass	AV	11.5718G	43.14	54.00	-10.86	3	Vertical	305	2.30	-
5785MHz	Pass	PK	11.56616G	56.16	74.00	-17.84	3	Vertical	305	2.30	-
5785MHz	Pass	AV	11.57112G	43.33	54.00	-10.67	3	Horizontal	82	1.67	-
5785MHz	Pass	PK	11.57312G	56.17	74.00	-17.83	3	Horizontal	82	1.67	-
5825MHz	Pass	AV	5.8286G	111.72	Inf	-Inf	3	Vertical	44	2.35	-
5825MHz	Pass	PK	5.6486G	58.18	68.20	-10.02	3	Vertical	44	2.35	-
5825MHz	Pass	PK	5.831G	122.30	Inf	-Inf	3	Vertical	44	2.35	-
5825MHz	Pass	PK	5.9258G	66.84	68.20	-1.36	3	Vertical	44	2.35	-
5825MHz	Pass	AV	5.8226G	103.37	Inf	-Inf	3	Horizontal	246	2.13	-
5825MHz	Pass	PK	5.5286G	55.92	68.20	-12.28	3	Horizontal	246	2.13	-
5825MHz	Pass	PK	5.8238G	115.65	Inf	-Inf	3	Horizontal	246	2.13	-
5825MHz	Pass	PK	5.9246G	61.77	68.50	-6.73	3	Horizontal	246	2.13	-
5825MHz	Pass	AV	11.64464G	42.34	54.00	-11.66	3	Vertical	141	1.81	-
5825MHz	Pass	PK	11.64076G	55.16	74.00	-18.84	3	Vertical	141	1.81	-
5825MHz	Pass	AV	11.64712G	42.42	54.00	-11.58	3	Horizontal	33	2.36	-
5825MHz	Pass	PK	11.64196G	55.22	74.00	-18.78	3	Horizontal	33	2.36	-
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1492G	52.14	54.00	-1.86	3	Vertical	20	2.32	-
5190MHz	Pass	AV	5.186G	100.26	Inf	-Inf	3	Vertical	20	2.32	-
5190MHz	Pass	PK	5.1484G	68.28	74.00	-5.72	3	Vertical	20	2.32	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5190MHz	Pass	PK	5.1888G	110.06	Inf	-Inf	3	Vertical	20	2.32	-
5190MHz	Pass	AV	5.1476G	49.13	54.00	-4.87	3	Horizontal	64	2.28	-
5190MHz	Pass	AV	5.2056G	94.91	Inf	-Inf	3	Horizontal	64	2.28	-
5190MHz	Pass	PK	5.1452G	63.69	74.00	-10.31	3	Horizontal	64	2.28	-
5190MHz	Pass	PK	5.1952G	106.22	Inf	-Inf	3	Horizontal	64	2.28	-
5190MHz	Pass	PK	10.39984G	55.78	68.20	-12.42	3	Vertical	326	1.34	-
5190MHz	Pass	PK	10.39648G	55.59	68.20	-12.61	3	Horizontal	348	2.45	-
5230MHz	Pass	AV	5.1468G	47.92	54.00	-6.08	3	Vertical	74	2.30	-
5230MHz	Pass	AV	5.2288G	102.10	Inf	-Inf	3	Vertical	74	2.30	-
5230MHz	Pass	PK	5.1456G	58.99	74.00	-15.01	3	Vertical	74	2.30	-
5230MHz	Pass	PK	5.2268G	113.09	Inf	-Inf	3	Vertical	74	2.30	-
5230MHz	Pass	AV	5.138G	45.85	54.00	-8.15	3	Horizontal	56	2.88	-
5230MHz	Pass	AV	5.2356G	97.07	Inf	-Inf	3	Horizontal	56	2.88	-
5230MHz	Pass	PK	5.144G	57.40	74.00	-16.60	3	Horizontal	56	2.88	-
5230MHz	Pass	PK	5.236G	107.00	Inf	-Inf	3	Horizontal	56	2.88	-
5230MHz	Pass	PK	10.444G	55.63	68.20	-12.57	3	Vertical	132	1.87	-
5230MHz	Pass	PK	10.45744G	55.29	68.20	-12.91	3	Horizontal	121	1.95	-
5755MHz	Pass	AV	5.7514G	107.64	Inf	-Inf	3	Vertical	50	2.41	-
5755MHz	Pass	PK	5.6482G	66.35	68.20	-1.85	3	Vertical	50	2.41	-
5755MHz	Pass	PK	5.7658G	118.86	Inf	-Inf	3	Vertical	50	2.41	-
5755MHz	Pass	PK	5.9338G	58.10	68.20	-10.10	3	Vertical	50	2.41	-
5755MHz	Pass	AV	5.7598G	99.15	Inf	-Inf	3	Horizontal	248	2.10	-
5755MHz	Pass	PK	5.6482G	58.64	68.20	-9.56	3	Horizontal	248	2.10	-
5755MHz	Pass	PK	5.7574G	110.59	Inf	-Inf	3	Horizontal	248	2.10	-
5755MHz	Pass	PK	5.9398G	56.21	68.20	-11.99	3	Horizontal	248	2.10	-
5755MHz	Pass	AV	11.50088G	44.31	54.00	-9.69	3	Vertical	292	1.07	-
5755MHz	Pass	PK	11.51876G	56.68	74.00	-17.32	3	Vertical	292	1.07	-
5755MHz	Pass	AV	11.50148G	44.05	54.00	-9.95	3	Horizontal	225	1.19	-
5755MHz	Pass	PK	11.51032G	56.99	74.00	-17.01	3	Horizontal	225	1.19	-
5795MHz	Pass	AV	5.7914G	108.09	Inf	-Inf	3	Vertical	45	2.36	-
5795MHz	Pass	PK	5.6534G	63.11	70.72	-7.61	3	Vertical	45	2.36	-
5795MHz	Pass	PK	5.8058G	120.97	Inf	-Inf	3	Vertical	45	2.36	-
5795MHz	Pass	PK	5.9258G	66.65	68.20	-1.55	3	Vertical	45	2.36	-
5795MHz	Pass	AV	5.7902G	100.11	Inf	-Inf	3	Horizontal	246	2.24	-
5795MHz	Pass	PK	5.603G	55.76	68.20	-12.44	3	Horizontal	246	2.24	-
5795MHz	Pass	PK	5.7794G	112.42	Inf	-Inf	3	Horizontal	246	2.24	-
5795MHz	Pass	PK	5.9258G	62.00	68.20	-6.20	3	Horizontal	246	2.24	-
5795MHz	Pass	AV	11.59036G	43.84	54.00	-10.16	3	Vertical	137	2.46	-
5795MHz	Pass	PK	11.59088G	56.81	74.00	-17.19	3	Vertical	137	2.46	-
5795MHz	Pass	AV	11.58932G	44.03	54.00	-9.97	3	Horizontal	169	1.96	-
5795MHz	Pass	PK	11.59384G	56.78	74.00	-17.22	3	Horizontal	169	1.96	-
802.11ax HEW80_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.146G	52.45	54.00	-1.55	3	Vertical	20	2.41	-
5210MHz	Pass	AV	5.206G	97.07	Inf	-Inf	3	Vertical	20	2.41	-
5210MHz	Pass	AV	5.352G	46.39	54.00	-7.61	3	Vertical	20	2.41	-
5210MHz	Pass	PK	5.149G	64.43	74.00	-9.57	3	Vertical	20	2.41	-
5210MHz	Pass	PK	5.213G	107.67	Inf	-Inf	3	Vertical	20	2.41	-
5210MHz	Pass	PK	5.36G	57.29	74.00	-16.71	3	Vertical	20	2.41	-
5210MHz	Pass	AV	5.147G	49.03	54.00	-4.97	3	Horizontal	65	2.29	-



RSE TX above 1GHz_Radio 2

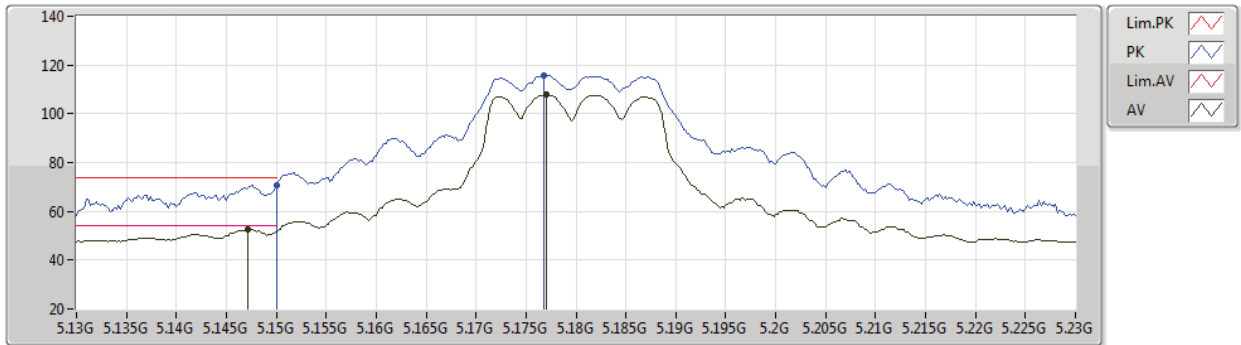
Appendix E.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	AV	5.206G	92.30	Inf	-Inf	3	Horizontal	65	2.29	-
5210MHz	Pass	AV	5.36G	45.37	54.00	-8.63	3	Horizontal	65	2.29	-
5210MHz	Pass	PK	5.145G	62.56	74.00	-11.44	3	Horizontal	65	2.29	-
5210MHz	Pass	PK	5.213G	103.40	Inf	-Inf	3	Horizontal	65	2.29	-
5210MHz	Pass	PK	5.404G	56.75	74.00	-17.25	3	Horizontal	65	2.29	-
5210MHz	Pass	PK	10.38928G	55.73	68.20	-12.47	3	Vertical	305	1.21	-
5210MHz	Pass	PK	10.38144G	55.25	68.20	-12.95	3	Horizontal	291	1.24	-
5775MHz	Pass	AV	5.7882G	102.39	Inf	-Inf	3	Vertical	43	2.52	-
5775MHz	Pass	PK	5.643G	66.02	68.20	-2.18	3	Vertical	43	2.52	-
5775MHz	Pass	PK	5.7882G	113.51	Inf	-Inf	3	Vertical	43	2.52	-
5775MHz	Pass	PK	5.9322G	66.82	68.20	-1.38	3	Vertical	43	2.52	-
5775MHz	Pass	AV	5.7702G	94.24	Inf	-Inf	3	Horizontal	244	1.04	-
5775MHz	Pass	PK	5.649G	59.76	68.20	-8.44	3	Horizontal	244	1.04	-
5775MHz	Pass	PK	5.7654G	105.23	Inf	-Inf	3	Horizontal	244	1.04	-
5775MHz	Pass	PK	5.925G	59.67	68.20	-8.53	3	Horizontal	244	1.04	-
5775MHz	Pass	AV	11.5486G	43.97	54.00	-10.03	3	Vertical	72	1.86	-
5775MHz	Pass	PK	11.54944G	56.04	74.00	-17.96	3	Vertical	72	1.86	-
5775MHz	Pass	AV	11.55992G	44.04	54.00	-9.96	3	Horizontal	131	2.06	-
5775MHz	Pass	PK	11.54396G	56.31	74.00	-17.69	3	Horizontal	131	2.06	-

802.11a_Nss1,(6Mbps)_2TX

09/08/2020

5180MHz_TX

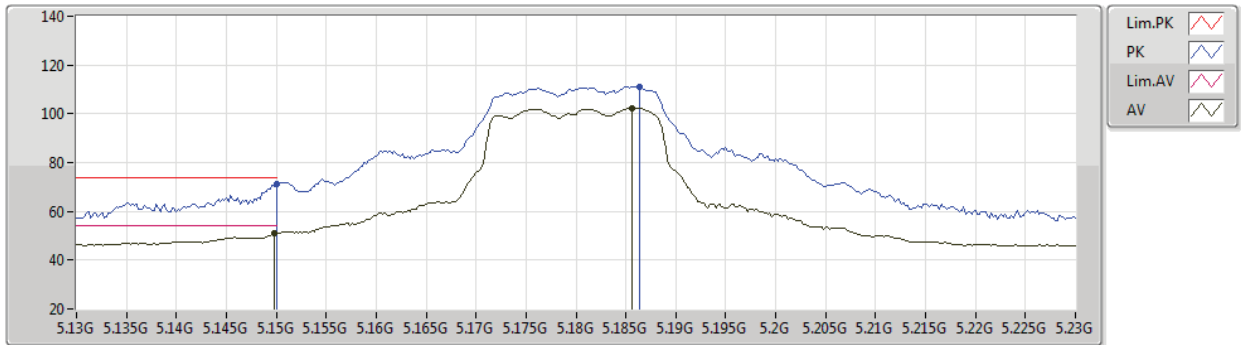


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1472G	52.60	54.00	-1.40	9.43	3	Vertical	338	2.49	-	43.17	31.99	6.77	29.33
AV	5.177G	107.88	Inf	-Inf	9.34	3	Vertical	338	2.49	-	98.54	31.89	6.79	29.34
PK	5.15G	70.76	74.00	-3.24	9.44	3	Vertical	338	2.49	-	61.32	32.00	6.78	29.34
PK	5.1768G	115.69	Inf	-Inf	9.34	3	Vertical	338	2.49	-	106.35	31.89	6.79	29.34

802.11a_Nss1,(6Mbps)_2TX

09/08/2020

5180MHz_TX

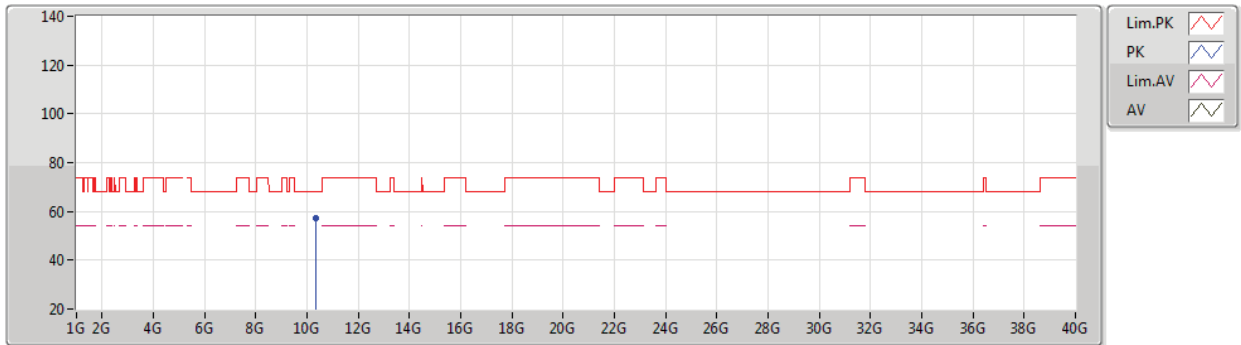


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1498G	50.88	54.00	-3.12	9.44	3	Horizontal	65	2.28	-	41.44	32.00	6.77	29.33
AV	5.1856G	102.45	Inf	-Inf	9.31	3	Horizontal	65	2.28	-	93.14	31.86	6.79	29.34
PK	5.15G	71.22	74.00	-2.78	9.44	3	Horizontal	65	2.28	-	61.78	32.00	6.77	29.33
PK	5.1864G	111.28	Inf	-Inf	9.30	3	Horizontal	65	2.28	-	101.98	31.85	6.79	29.34

802.11a_Nss1,(6Mbps)_2TX

09/08/2020

5180MHz_TX

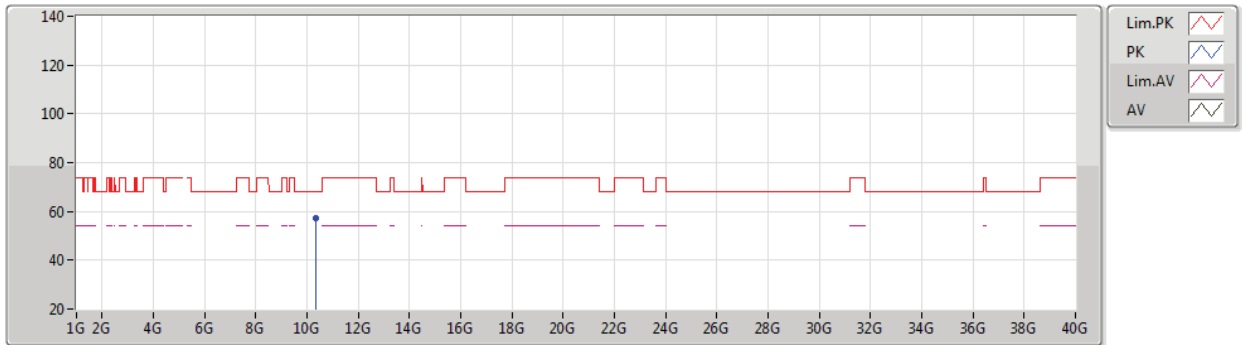


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.36488G	57.22	68.20	-10.98	17.89	3	Vertical	333	1.87	-	39.33	39.46	8.96	30.53

802.11a_Nss1,(6Mbps)_2TX

09/08/2020

5180MHz_TX

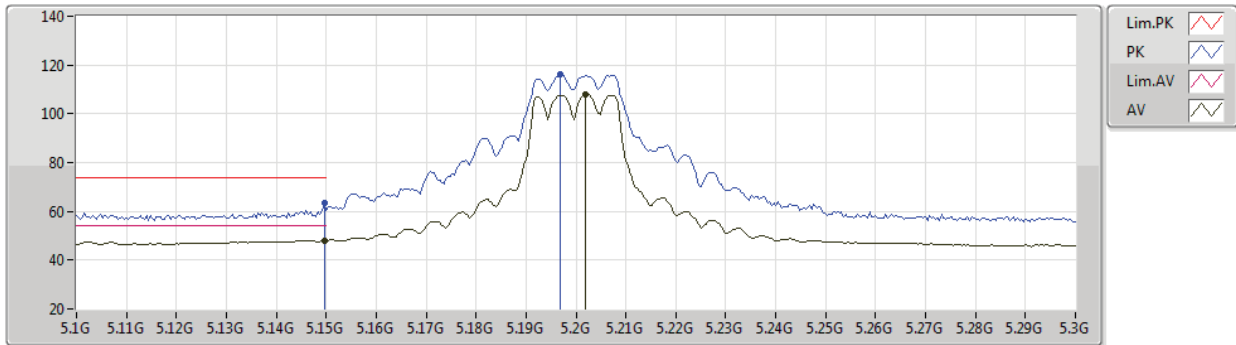


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.35636G	57.03	68.20	-11.17	17.87	3	Horizontal	242	1.50	-	39.16	39.43	8.96	30.52

802.11a_Nss1,(6Mbps)_2TX

09/08/2020

5200MHz_TX

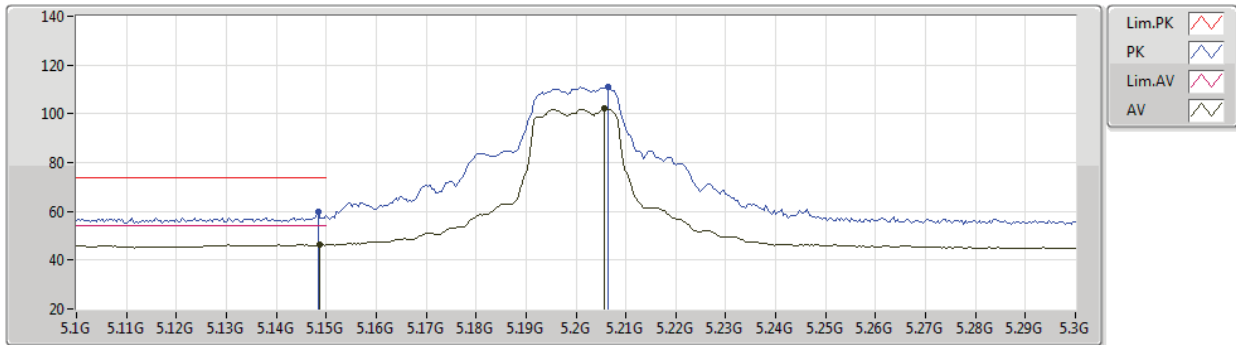


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1496G	48.18	54.00	-5.82	9.44	3	Vertical	336	2.36	-	38.74	32.00	6.77	29.33
AV	5.202G	107.85	Inf	-Inf	9.24	3	Vertical	336	2.36	-	98.61	31.78	6.80	29.34
PK	5.1496G	63.31	74.00	-10.69	9.44	3	Vertical	336	2.36	-	53.87	32.00	6.77	29.33
PK	5.1968G	116.11	Inf	-Inf	9.27	3	Vertical	336	2.36	-	106.84	31.81	6.80	29.34

802.11a_Nss1,(6Mbps)_2TX

09/08/2020

5200MHz_TX



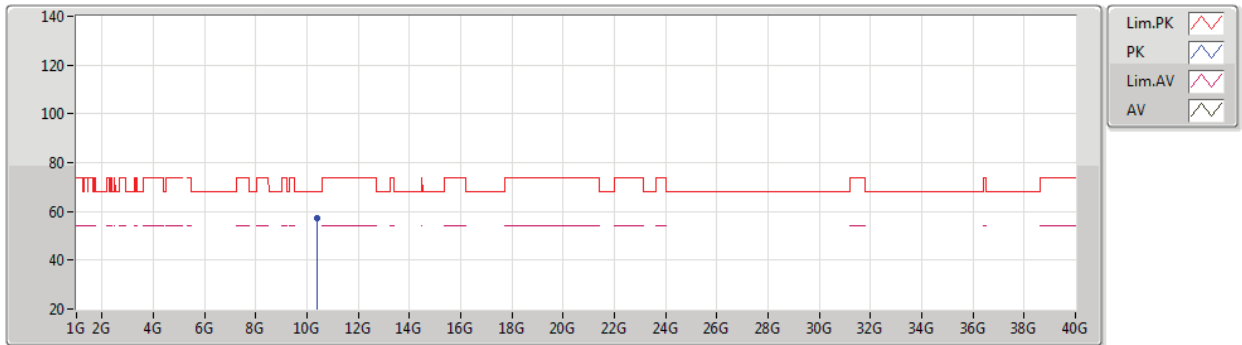
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1488G	46.48	54.00	-7.52	9.44	3	Horizontal	64	2.18	-	37.04	32.00	6.77	29.33
AV	5.2056G	102.09	Inf	-Inf	9.22	3	Horizontal	64	2.18	-	92.87	31.76	6.80	29.34
PK	5.1484G	59.86	74.00	-14.14	9.44	3	Horizontal	64	2.18	-	50.42	32.00	6.77	29.33
PK	5.2064G	110.84	Inf	-Inf	9.21	3	Horizontal	64	2.18	-	101.63	31.75	6.80	29.34



802.11a_Nss1,(6Mbps)_2TX

09/08/2020

5200MHz_TX

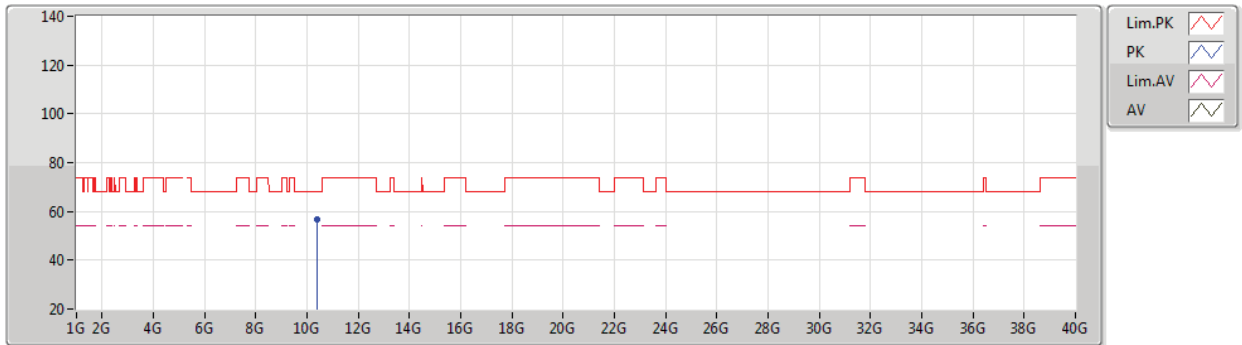


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.3974G	57.40	68.20	-10.80	18.03	3	Vertical	1	2.49	-	39.37	39.59	8.98	30.54

802.11a_Nss1,(6Mbps)_2TX

09/08/2020

5200MHz_TX

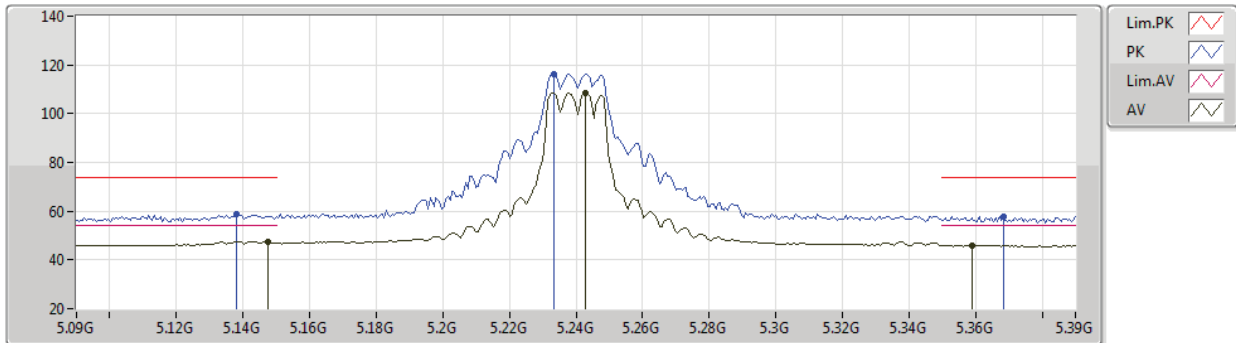


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.40156G	56.93	68.20	-11.27	18.04	3	Horizontal	171	1.03	-	38.89	39.60	8.98	30.54

802.11a_Nss1,(6Mbps)_2TX

09/08/2020

5240MHz_TX

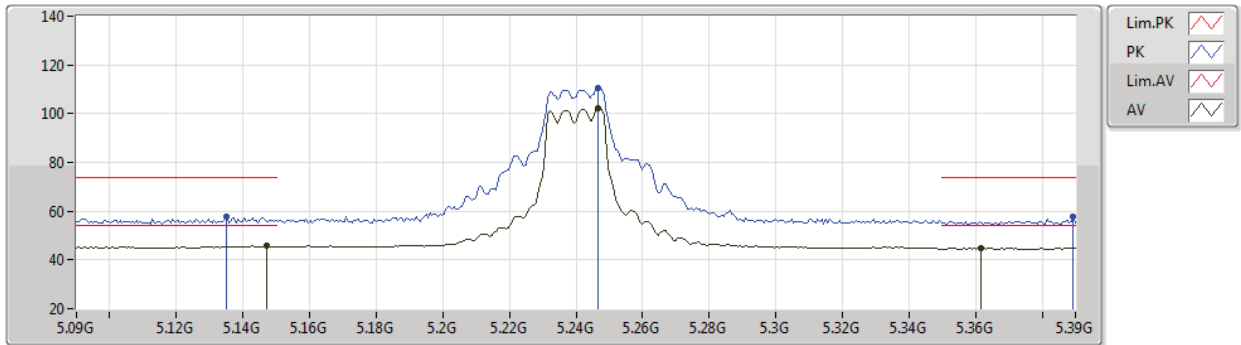


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1476G	47.52	54.00	-6.48	9.44	3	Vertical	74	2.54	-	38.08	32.00	6.77	29.33
AV	5.243G	108.30	Inf	-Inf	8.92	3	Vertical	74	2.54	-	99.38	31.46	6.80	29.34
AV	5.3588G	46.09	54.00	-7.91	8.61	3	Vertical	74	2.54	-	37.48	31.17	6.80	29.36
PK	5.138G	58.86	74.00	-15.14	9.42	3	Vertical	74	2.54	-	49.44	31.98	6.77	29.33
PK	5.2334G	116.33	Inf	-Inf	8.99	3	Vertical	74	2.54	-	107.34	31.53	6.80	29.34
PK	5.3684G	57.72	74.00	-16.28	8.69	3	Vertical	74	2.54	-	49.03	31.25	6.80	29.36

802.11a_Nss1,(6Mbps)_2TX

09/08/2020

5240MHz_TX

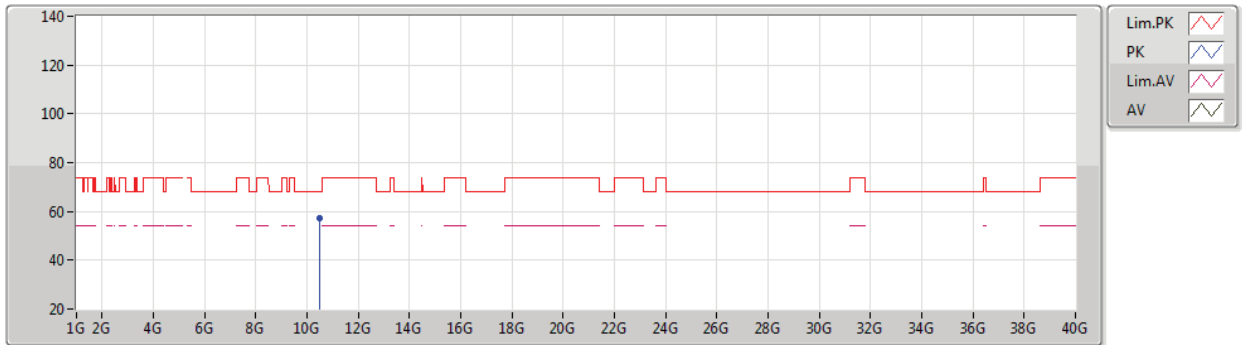


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.147G	45.68	54.00	-8.32	9.43	3	Horizontal	50	3.00	-	36.25	31.99	6.77	29.33
AV	5.2466G	102.10	Inf	-Inf	8.89	3	Horizontal	50	3.00	-	93.21	31.43	6.80	29.34
AV	5.3618G	44.87	54.00	-9.13	8.63	3	Horizontal	50	3.00	-	36.24	31.19	6.80	29.36
PK	5.135G	57.86	74.00	-16.14	9.41	3	Horizontal	50	3.00	-	48.45	31.97	6.77	29.33
PK	5.2466G	110.63	Inf	-Inf	8.89	3	Horizontal	50	3.00	-	101.74	31.43	6.80	29.34
PK	5.3894G	57.91	74.00	-16.09	8.86	3	Horizontal	50	3.00	-	49.05	31.42	6.80	29.36

802.11a_Nss1,(6Mbps)_2TX

09/08/2020

5240MHz_TX

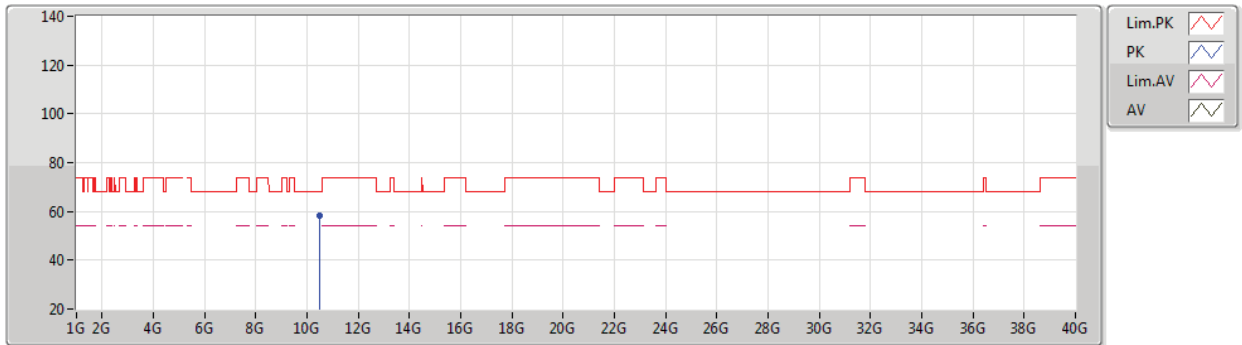


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.48216G	57.33	68.20	-10.87	18.13	3	Vertical	161	1.78	-	39.20	39.68	9.02	30.57

802.11a_Nss1,(6Mbps)_2TX

09/08/2020

5240MHz_TX

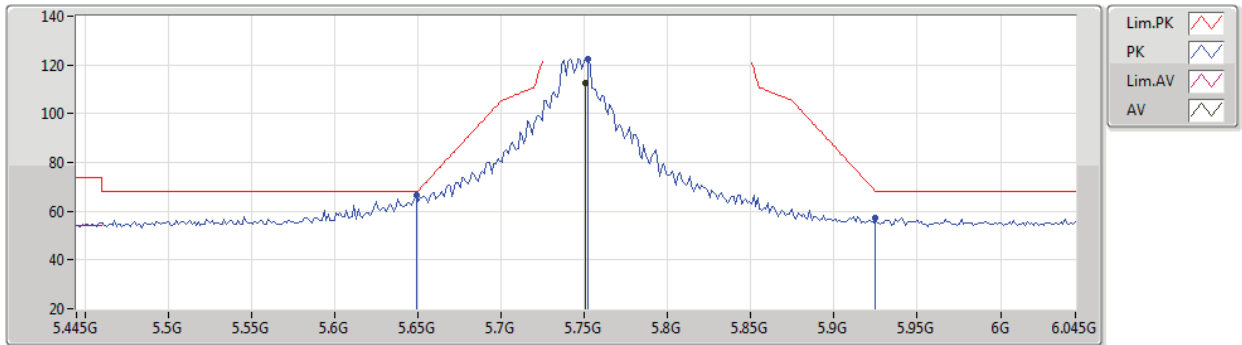


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.47804G	58.15	68.20	-10.05	18.13	3	Horizontal	64	2.12	-	40.02	39.68	9.02	30.57

802.11a_Nss1,(6Mbps)_2TX

08/09/2020

5745MHz_TX

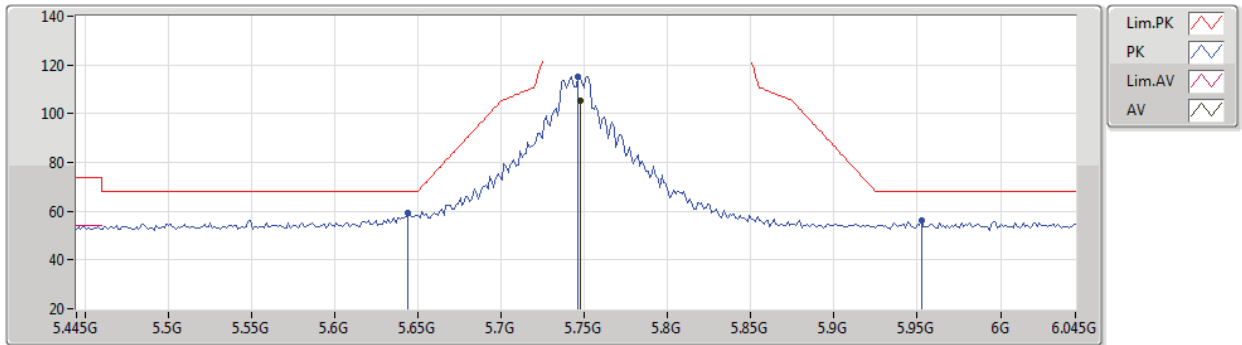

EUT = Z
Setting 93

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.751G	112.57	Inf	-Inf	8.38	3	Vertical	47	2.42	-	104.19	32.00	6.98	30.60
PK	5.649G	66.34	68.20	-1.86	8.04	3	Vertical	47	2.42	-	58.30	31.70	6.92	30.58
PK	5.7522G	122.44	Inf	-Inf	8.38	3	Vertical	47	2.42	-	114.06	32.00	6.98	30.60
PK	5.925G	57.17	68.20	-11.03	8.73	3	Vertical	47	2.42	-	48.44	32.30	7.06	30.63

802.11a_Nss1,(6Mbps)_2TX

08/09/2020

5745MHz_TX

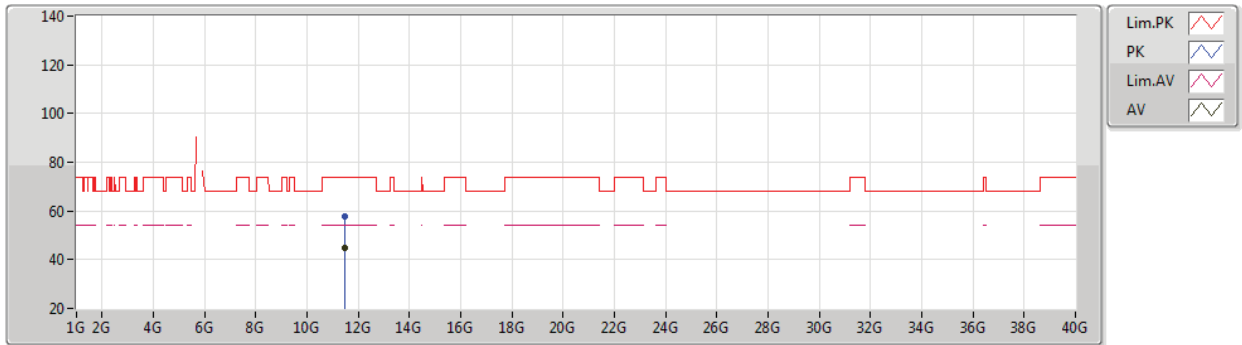

EUT = Z
Setting 93

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7474G	105.51	Inf	-Inf	8.36	3	Horizontal	225	2.97	-	97.15	31.99	6.97	30.60
PK	5.6442G	59.12	68.20	-9.08	8.06	3	Horizontal	225	2.97	-	51.06	31.72	6.92	30.58
PK	5.7462G	115.06	Inf	-Inf	8.36	3	Horizontal	225	2.97	-	106.70	31.99	6.97	30.60
PK	5.9526G	56.28	68.20	-11.92	8.84	3	Horizontal	225	2.97	-	47.44	32.39	7.08	30.63

802.11a_Nss1,(6Mbps)_2TX

08/09/2020

5745MHz_TX


EUT = Z
Setting 93

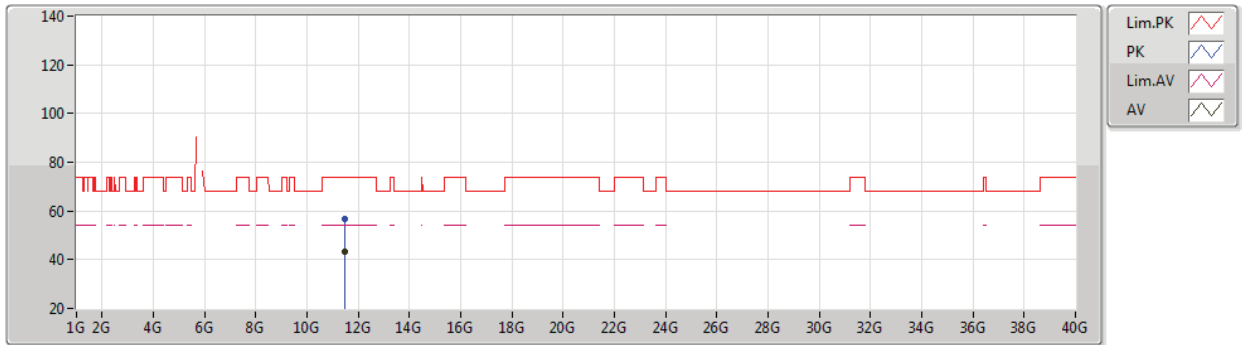
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AV	11.49256G	44.66	54.00	-9.34	18.04	3	Vertical	35	1.83	-	26.62	39.99	9.47	31.42
PK	11.4932G	57.71	74.00	-16.29	18.04	3	Vertical	35	1.83	-	39.67	39.99	9.47	31.42



802.11a_Nss1,(6Mbps)_2TX

08/09/2020

5745MHz_TX



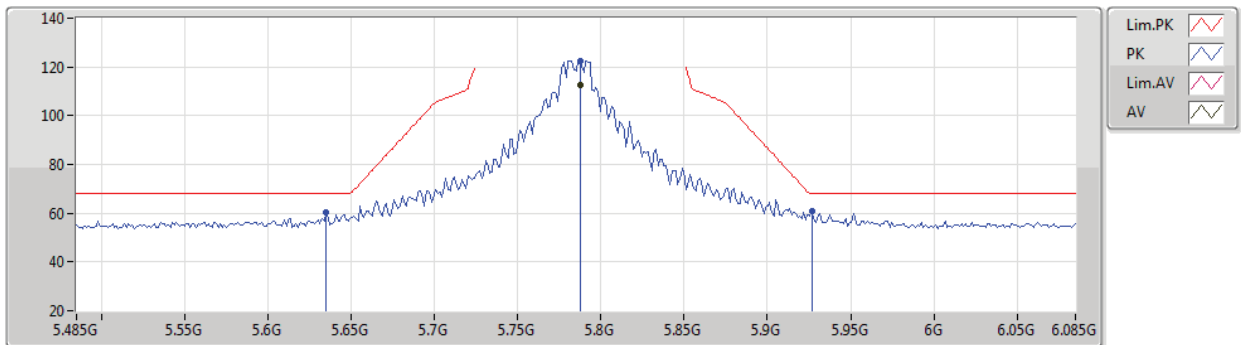
EUT = Z
Setting 93

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.49292G	43.23	54.00	-10.77	18.04	3	Horizontal	295	1.73	-	25.19	39.99	9.47	31.42
PK	11.49412G	56.97	74.00	-17.03	18.04	3	Horizontal	295	1.73	-	38.93	39.99	9.47	31.42

802.11a_Nss1,(6Mbps)_2TX

08/09/2020

5785MHz_TX

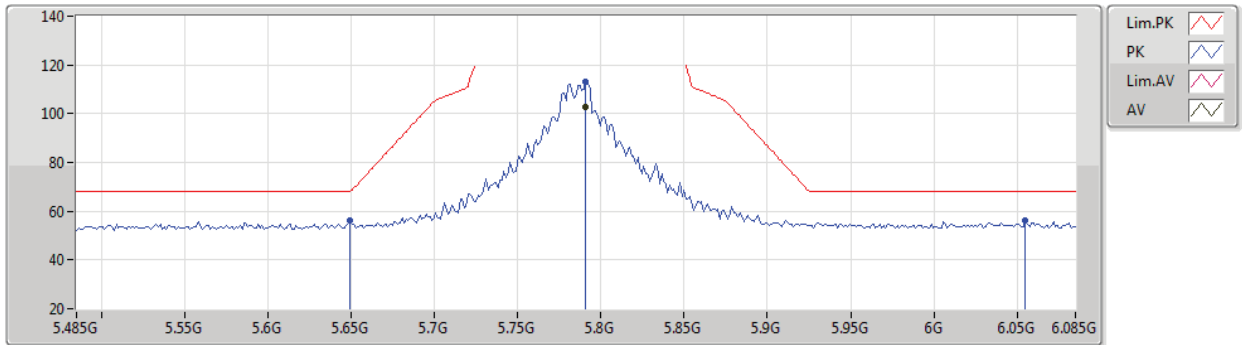

EUT = Z
Setting 100

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7874G	112.76	Inf	-Inf	8.38	3	Vertical	45	2.52	-	104.38	32.00	6.99	30.61
PK	5.635G	60.23	68.20	-7.97	8.10	3	Vertical	45	2.52	-	52.13	31.76	6.92	30.58
PK	5.7874G	122.34	Inf	-Inf	8.38	3	Vertical	45	2.52	-	113.96	32.00	6.99	30.61
PK	5.9266G	60.63	68.20	-7.57	8.74	3	Vertical	45	2.52	-	51.89	32.31	7.06	30.63

802.11a_Nss1,(6Mbps)_2TX

08/09/2020

5785MHz_TX

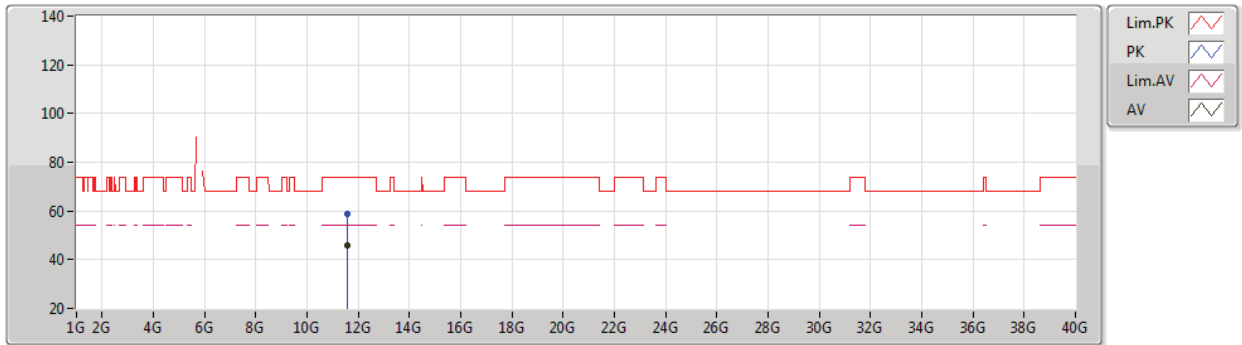

EUT = Z
Setting 100

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.791G	102.73	Inf	-Inf	8.39	3	Horizontal	17	2.10	-	94.34	32.00	7.00	30.61
PK	5.6494G	56.35	68.20	-11.85	8.04	3	Horizontal	17	2.10	-	48.31	31.70	6.92	30.58
PK	5.791G	113.23	Inf	-Inf	8.39	3	Horizontal	17	2.10	-	104.84	32.00	7.00	30.61
PK	6.055G	56.11	68.20	-12.09	9.04	3	Horizontal	17	2.10	-	47.07	32.59	7.13	30.68

802.11a_Nss1,(6Mbps)_2TX

08/09/2020

5785MHz_TX

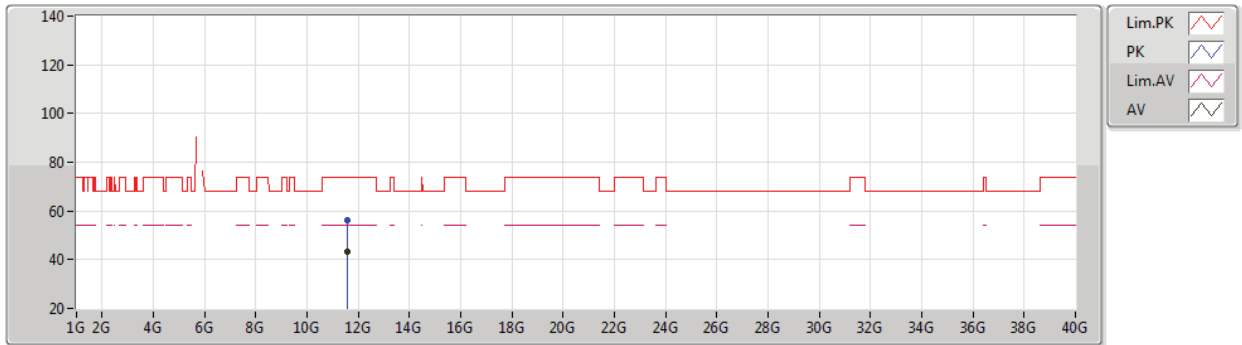

EUT = Z
Setting 100

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.56664G	45.73	54.00	-8.27	18.00	3	Vertical	203	2.93	-	27.73	39.93	9.50	31.43
PK	11.57112G	58.60	74.00	-15.40	18.00	3	Vertical	203	2.93	-	40.60	39.93	9.51	31.44

802.11a_Nss1,(6Mbps)_2TX

08/09/2020

5785MHz_TX

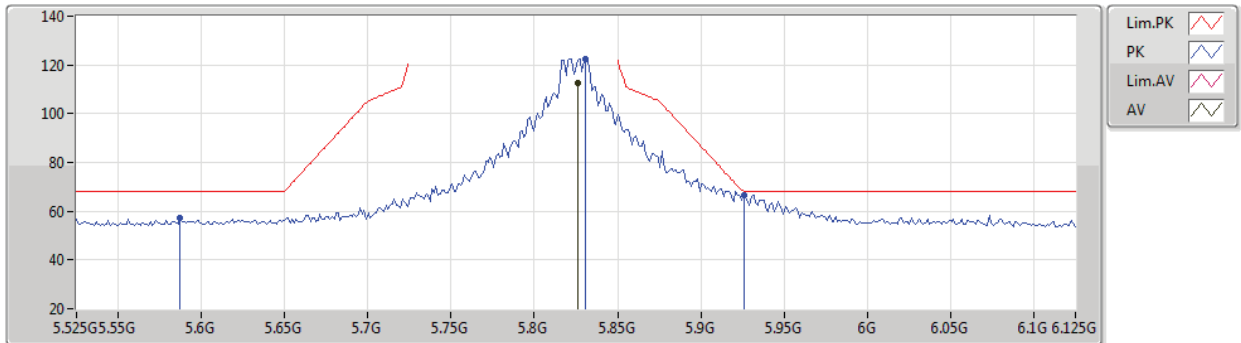

EUT = Z
Setting 100

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.56944G	43.25	54.00	-10.75	18.00	3	Horizontal	250	2.52	-	25.25	39.93	9.51	31.44
PK	11.5662G	56.20	74.00	-17.80	18.00	3	Horizontal	250	2.52	-	38.20	39.93	9.50	31.43

802.11a_Nss1,(6Mbps)_2TX

08/09/2020

5825MHz_TX

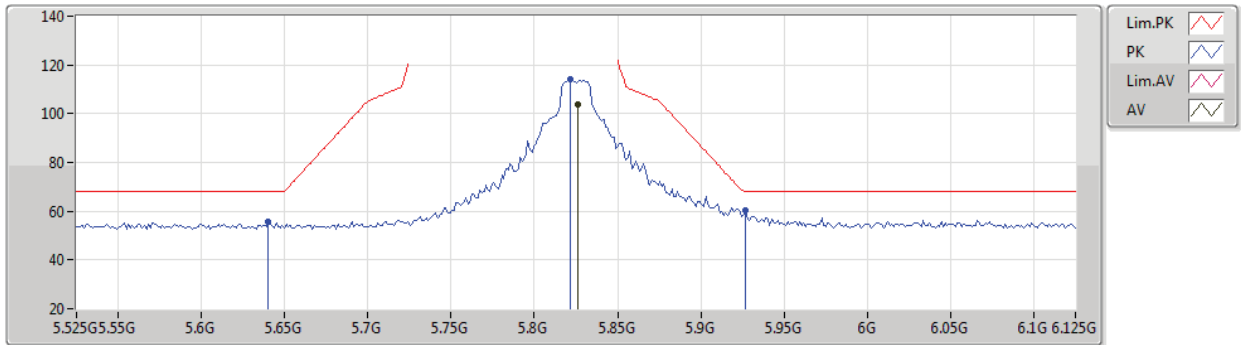

EUT = Z
Setting 92

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8262G	112.38	Inf	-Inf	8.45	3	Vertical	44	2.35	-	103.93	32.05	7.01	30.61
PK	5.5874G	57.41	68.20	-10.79	8.19	3	Vertical	44	2.35	-	49.22	31.87	6.89	30.57
PK	5.831G	122.46	Inf	-Inf	8.47	3	Vertical	44	2.35	-	113.99	32.06	7.02	30.61
PK	5.9258G	66.49	68.20	-1.71	8.73	3	Vertical	44	2.35	-	57.76	32.30	7.06	30.63

802.11a_Nss1,(6Mbps)_2TX

08/09/2020

5825MHz_TX

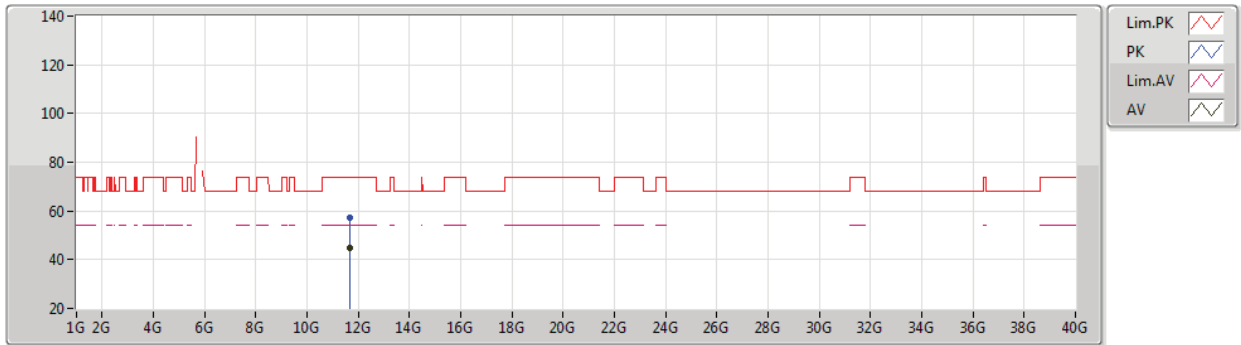

EUT = Z
Setting 92

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8262G	103.93	Inf	-Inf	8.45	3	Horizontal	247	2.13	-	95.48	32.05	7.01	30.61
PK	5.6402G	55.73	68.20	-12.47	8.08	3	Horizontal	247	2.13	-	47.65	31.74	6.92	30.58
PK	5.8214G	113.93	Inf	-Inf	8.44	3	Horizontal	247	2.13	-	105.49	32.04	7.01	30.61
PK	5.927G	60.43	68.20	-7.77	8.74	3	Horizontal	247	2.13	-	51.69	32.31	7.06	30.63

802.11a_Nss1,(6Mbps)_2TX

08/09/2020

5825MHz_TX

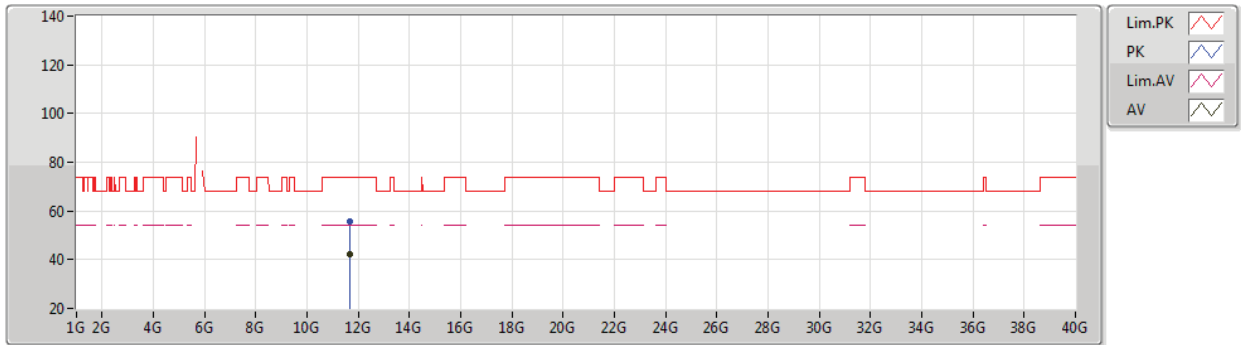

EUT = Z
Setting 92

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.64912G	44.87	54.00	-9.13	17.70	3	Vertical	50	2.86	-	27.17	39.61	9.54	31.45
PK	11.64892G	57.48	74.00	-16.52	17.70	3	Vertical	50	2.86	-	39.78	39.61	9.54	31.45

802.11a_Nss1,(6Mbps)_2TX

08/09/2020

5825MHz_TX

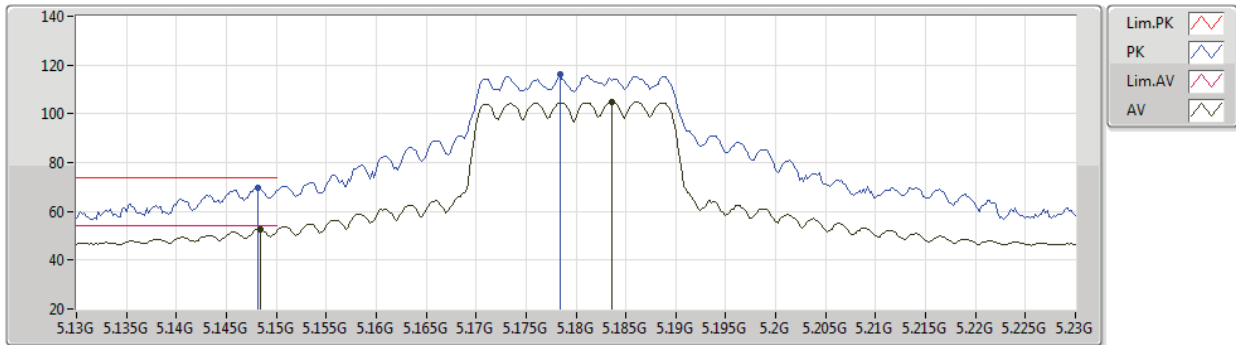

EUT = Z
Setting 92

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.65156G	42.44	54.00	-11.56	17.68	3	Horizontal	142	1.47	-	24.76	39.59	9.54	31.45
PK	11.6478G	55.68	74.00	-18.32	17.70	3	Horizontal	142	1.47	-	37.98	39.61	9.54	31.45

802.11ax HEW20_Nss1,(MCS0)_2TX

09/08/2020

5180MHz_TX

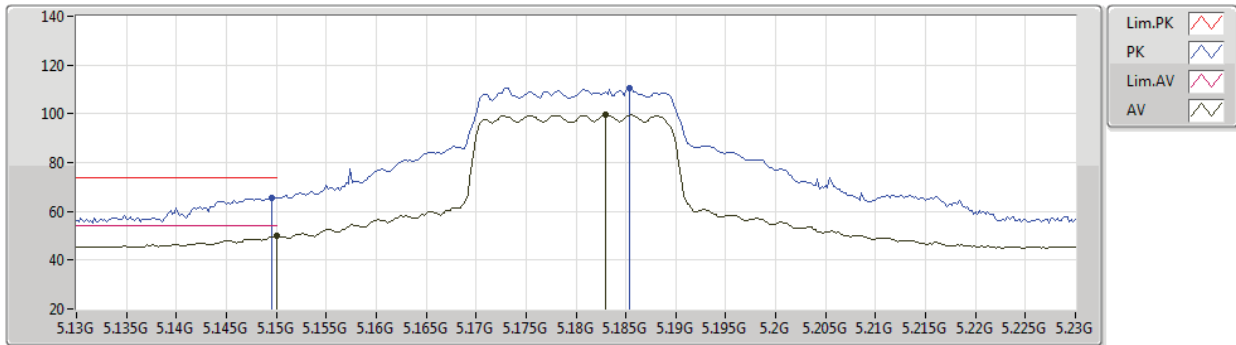


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1484G	52.71	54.00	-1.29	9.44	3	Vertical	337	2.32	-	43.27	32.00	6.77	29.33
AV	5.1836G	104.79	Inf	-Inf	9.32	3	Vertical	337	2.32	-	95.47	31.87	6.79	29.34
PK	5.1482G	69.77	74.00	-4.23	9.44	3	Vertical	337	2.32	-	60.33	32.00	6.77	29.33
PK	5.1784G	116.00	Inf	-Inf	9.34	3	Vertical	337	2.32	-	106.66	31.89	6.79	29.34

802.11ax HEW20_Nss1,(MCS0)_2TX

09/08/2020

5180MHz_TX

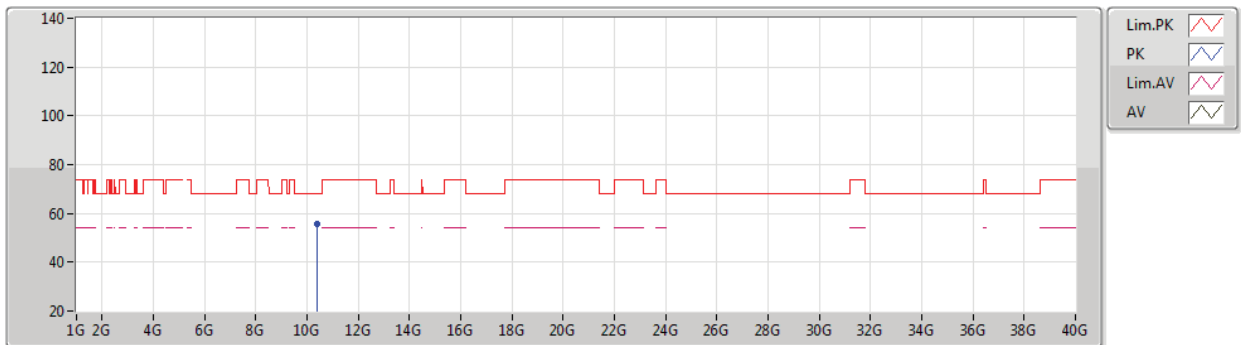


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	49.89	54.00	-4.11	9.44	3	Horizontal	65	2.25	-	40.45	32.00	6.77	29.33
AV	5.183G	99.55	Inf	-Inf	9.32	3	Horizontal	65	2.25	-	90.23	31.87	6.79	29.34
PK	5.1496G	65.64	74.00	-8.36	9.44	3	Horizontal	65	2.25	-	56.20	32.00	6.77	29.33
PK	5.1854G	110.53	Inf	-Inf	9.31	3	Horizontal	65	2.25	-	101.22	31.86	6.79	29.34

802.11ax HEW20_Nss1,(MCS0)_2TX

10/08/2020

5180MHz_TX

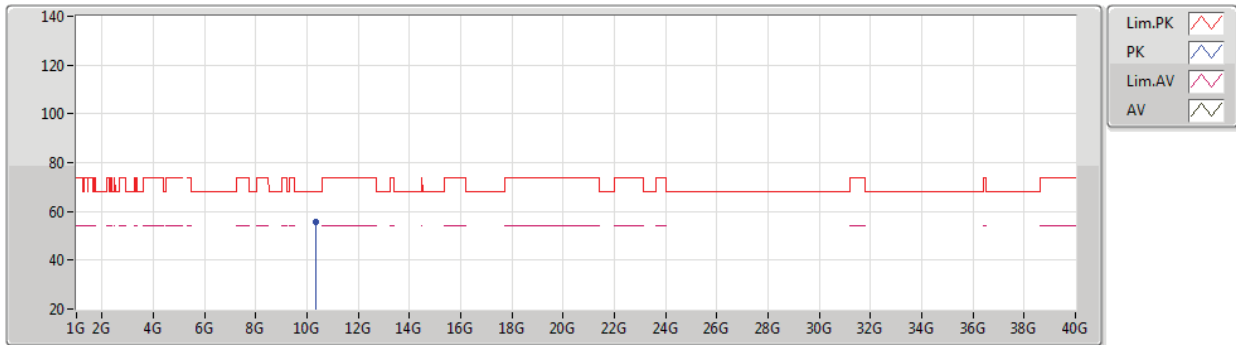


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.38336G	55.65	68.20	-12.55	17.97	3	Vertical	119	1.45	-	37.68	39.53	8.97	30.53

802.11ax HEW20_Nss1,(MCS0)_2TX

10/08/2020

5180MHz_TX

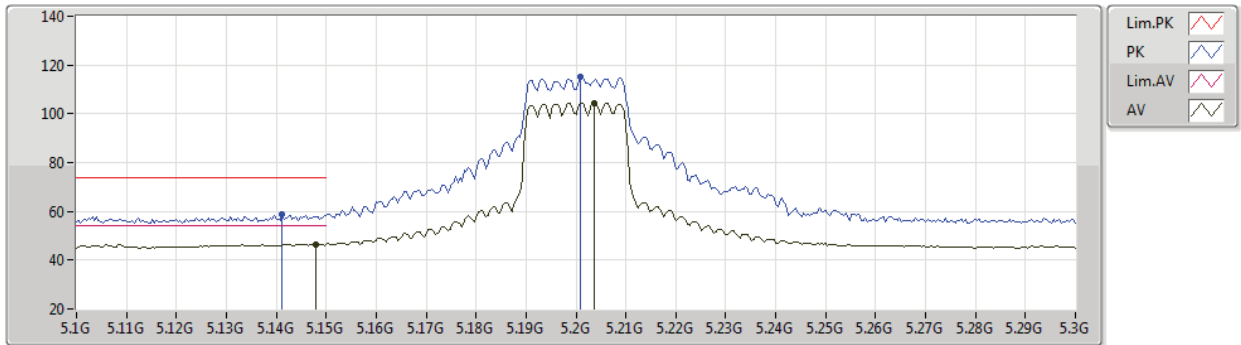


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.35968G	55.59	68.20	-12.61	17.88	3	Horizontal	327	1.50	-	37.71	39.44	8.96	30.52

802.11ax HEW20_Nss1,(MCS0)_2TX

09/08/2020

5200MHz_TX

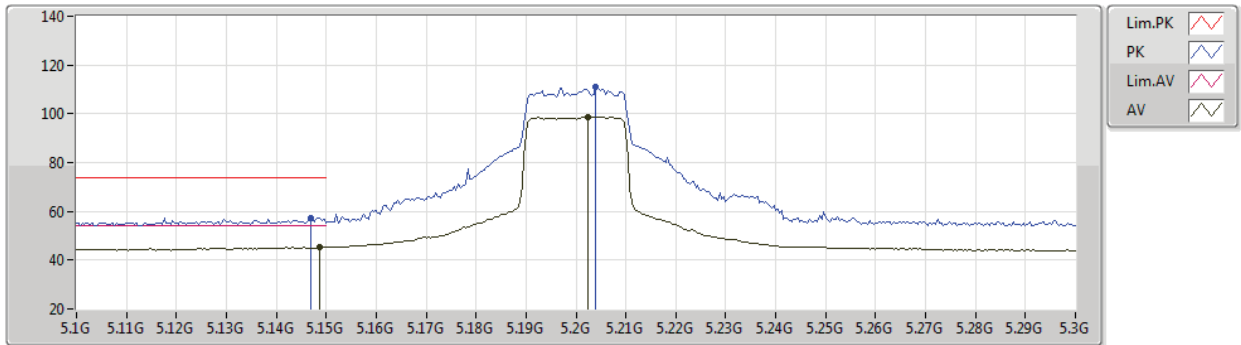


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.148G	46.58	54.00	-7.42	9.44	3	Vertical	21	2.23	-	37.14	32.00	6.77	29.33
AV	5.2036G	104.40	Inf	-Inf	9.23	3	Vertical	21	2.23	-	95.17	31.77	6.80	29.34
PK	5.1412G	58.54	74.00	-15.46	9.42	3	Vertical	21	2.23	-	49.12	31.98	6.77	29.33
PK	5.2008G	115.40	Inf	-Inf	9.25	3	Vertical	21	2.23	-	106.15	31.79	6.80	29.34

802.11ax HEW20_Nss1,(MCS0)_2TX

09/08/2020

5200MHz_TX

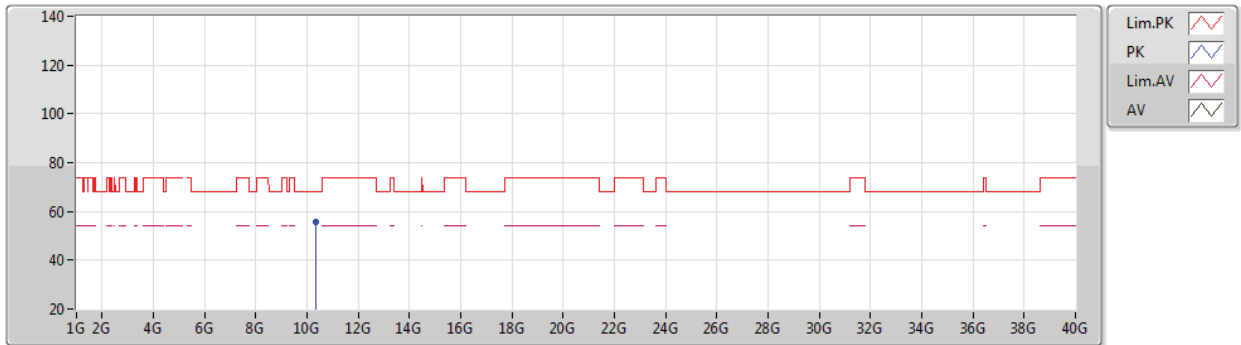


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1488G	45.23	54.00	-8.77	9.44	3	Horizontal	77	2.96	-	35.79	32.00	6.77	29.33
AV	5.2024G	98.83	Inf	-Inf	9.24	3	Horizontal	77	2.96	-	89.59	31.78	6.80	29.34
PK	5.1468G	57.33	74.00	-16.67	9.43	3	Horizontal	77	2.96	-	47.90	31.99	6.77	29.33
PK	5.204G	110.97	Inf	-Inf	9.23	3	Horizontal	77	2.96	-	101.74	31.77	6.80	29.34

802.11ax HEW20_Nss1,(MCS0)_2TX

10/08/2020

5200MHz_TX

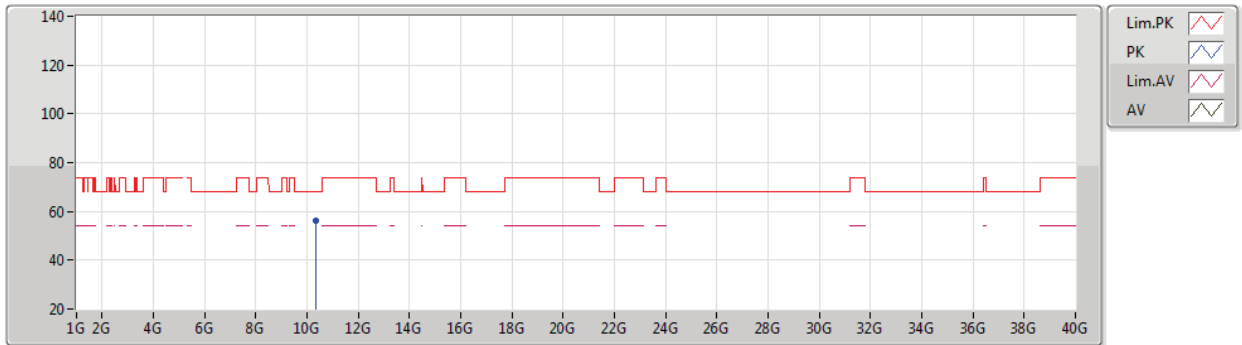


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.3664G	55.54	68.20	-12.66	17.90	3	Vertical	286	1.54	-	37.64	39.47	8.96	30.53

802.11ax HEW20_Nss1,(MCS0)_2TX

10/08/2020

5200MHz_TX

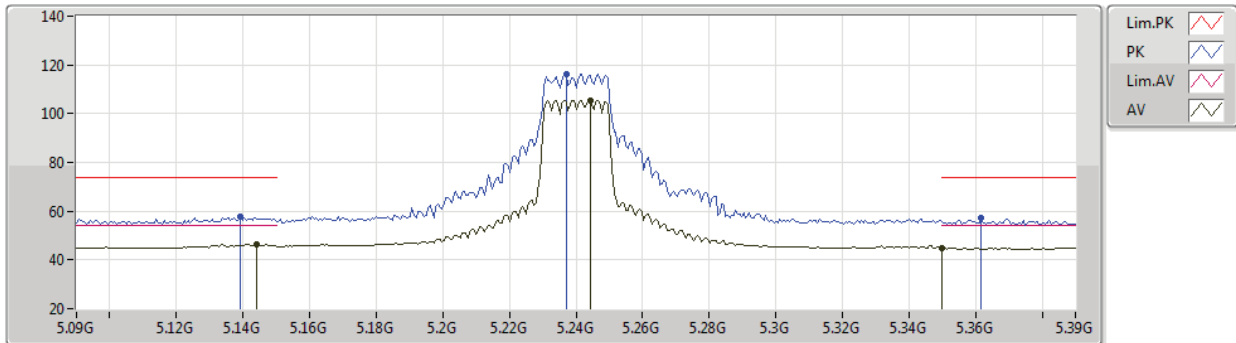


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.36848G	56.15	68.20	-12.05	17.91	3	Horizontal	360	1.75	-	38.24	39.47	8.97	30.53

802.11ax HEW20_Nss1,(MCS0)_2TX

09/08/2020

5240MHz_TX

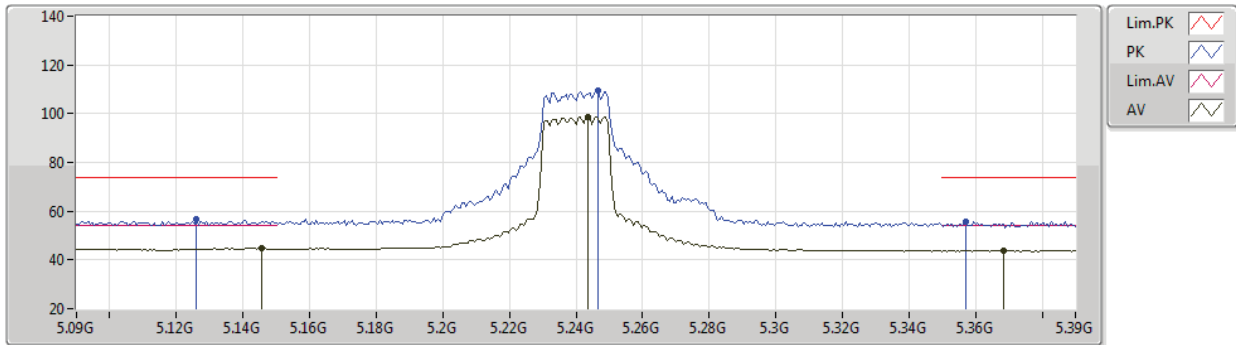


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.144G	46.29	54.00	-7.71	9.43	3	Vertical	75	2.63	-	36.86	31.99	6.77	29.33
AV	5.2442G	105.29	Inf	-Inf	8.91	3	Vertical	75	2.63	-	96.38	31.45	6.80	29.34
AV	5.35G	44.92	54.00	-9.08	8.54	3	Vertical	75	2.63	-	36.38	31.10	6.80	29.36
PK	5.1392G	57.62	74.00	-16.38	9.42	3	Vertical	75	2.63	-	48.20	31.98	6.77	29.33
PK	5.237G	116.28	Inf	-Inf	8.96	3	Vertical	75	2.63	-	107.32	31.50	6.80	29.34
PK	5.3618G	57.02	74.00	-16.98	8.63	3	Vertical	75	2.63	-	48.39	31.19	6.80	29.36

802.11ax HEW20_Nss1,(MCS0)_2TX

09/08/2020

5240MHz_TX

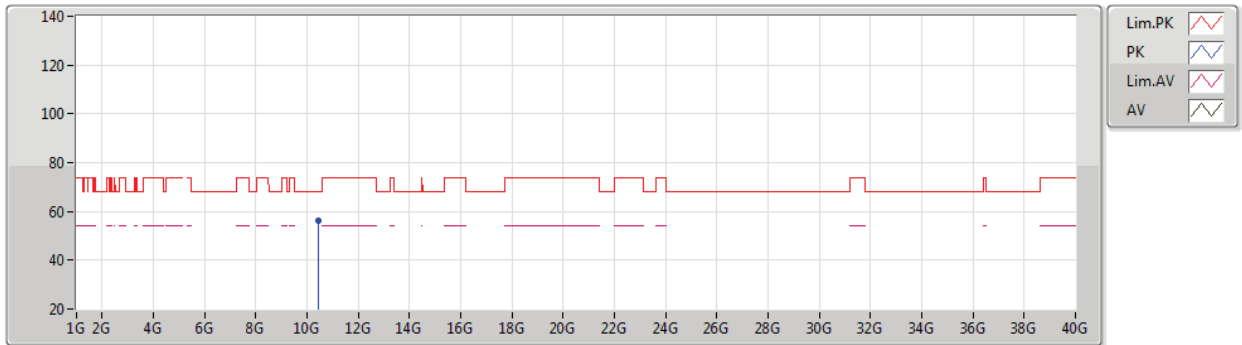


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1458G	44.77	54.00	-9.23	9.43	3	Horizontal	45	2.48	-	35.34	31.99	6.77	29.33
AV	5.2436G	98.63	Inf	-Inf	8.91	3	Horizontal	45	2.48	-	89.72	31.45	6.80	29.34
AV	5.3684G	43.88	54.00	-10.12	8.69	3	Horizontal	45	2.48	-	35.19	31.25	6.80	29.36
PK	5.126G	56.57	74.00	-17.43	9.38	3	Horizontal	45	2.48	-	47.19	31.95	6.76	29.33
PK	5.2466G	109.27	Inf	-Inf	8.89	3	Horizontal	45	2.48	-	100.38	31.43	6.80	29.34
PK	5.357G	55.94	74.00	-18.06	8.60	3	Horizontal	45	2.48	-	47.34	31.16	6.80	29.36

802.11ax HEW20_Nss1,(MCS0)_2TX

10/08/2020

5240MHz_TX

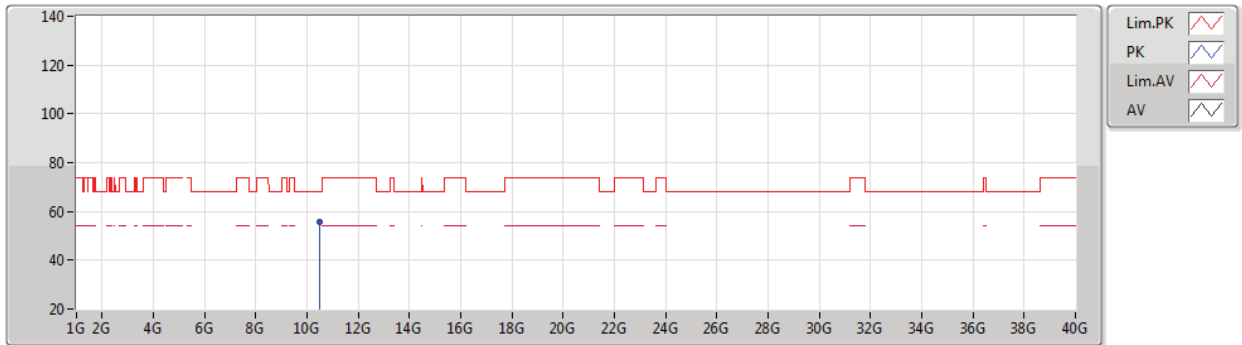


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.45216G	55.98	68.20	-12.22	18.09	3	Vertical	127	1.72	-	37.89	39.65	9.00	30.56

802.11ax HEW20_Nss1,(MCS0)_2TX

10/08/2020

5240MHz_TX

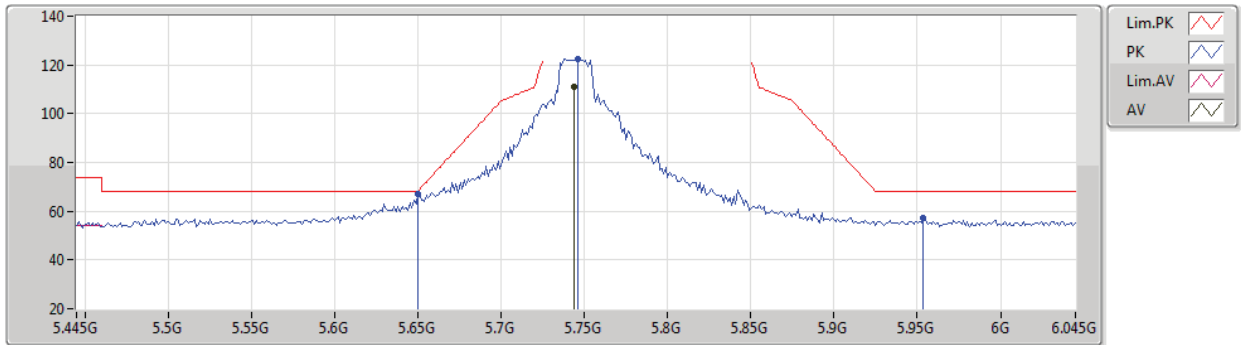


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.47168G	55.73	68.20	-12.47	18.11	3	Horizontal	71	1.77	-	37.62	39.67	9.01	30.57

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5745MHz_TX



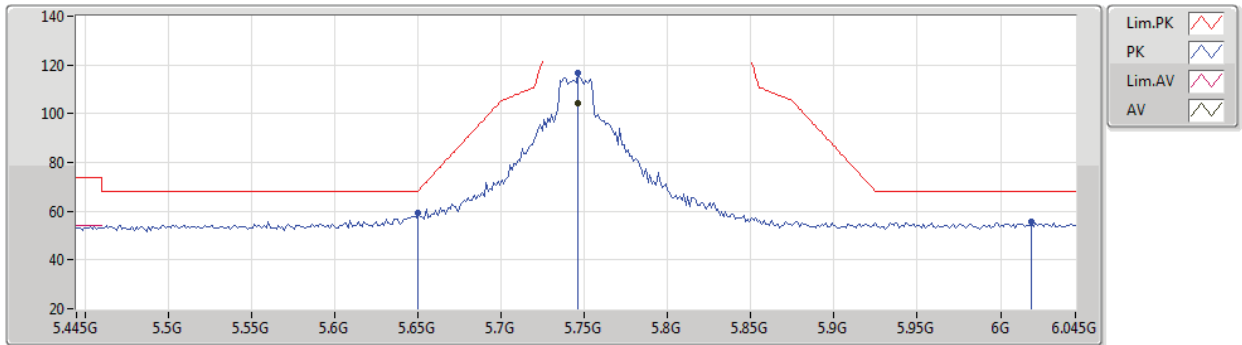
EUT = Z
Setting 93

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7438G	111.17	Inf	-Inf	8.36	3	Vertical	49	2.37	-	102.81	31.99	6.97	30.60
PK	5.6502G	67.11	68.35	-1.24	8.05	3	Vertical	49	2.37	-	59.06	31.70	6.93	30.58
PK	5.7462G	122.33	Inf	-Inf	8.36	3	Vertical	49	2.37	-	113.97	31.99	6.97	30.60
PK	5.9538G	56.99	68.20	-11.21	8.84	3	Vertical	49	2.37	-	48.15	32.39	7.08	30.63

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5745MHz_TX


EUT = Z
Setting 93

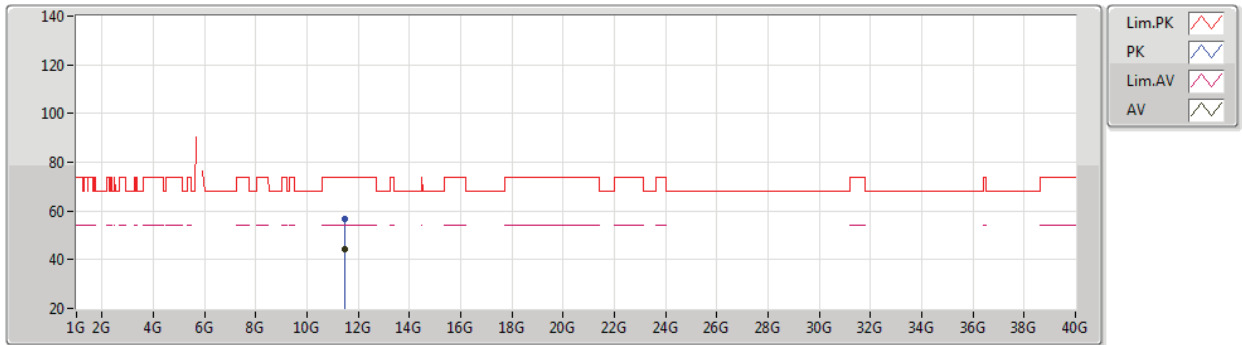
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7462G	104.40	Inf	-Inf	8.36	3	Horizontal	224	2.97	-	96.04	31.99	6.97	30.60
PK	5.6502G	59.19	68.35	-9.16	8.05	3	Horizontal	224	2.97	-	51.14	31.70	6.93	30.58
PK	5.7462G	116.68	Inf	-Inf	8.36	3	Horizontal	224	2.97	-	108.32	31.99	6.97	30.60
PK	6.0186G	55.59	68.20	-12.61	8.87	3	Horizontal	224	2.97	-	46.72	32.41	7.11	30.65



802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5745MHz_TX



EUT = Z
Setting 93

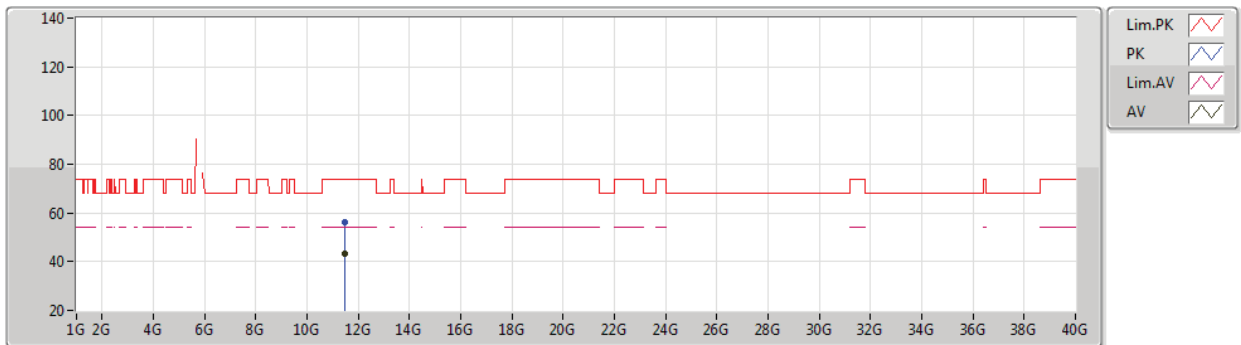
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AV	11.4902G	44.40	54.00	-9.60	18.04	3	Vertical	191	2.43	-	26.36	39.99	9.47	31.42
PK	11.4906G	56.51	74.00	-17.49	18.04	3	Vertical	191	2.43	-	38.47	39.99	9.47	31.42



802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5745MHz_TX

EUT = Z
Setting 93

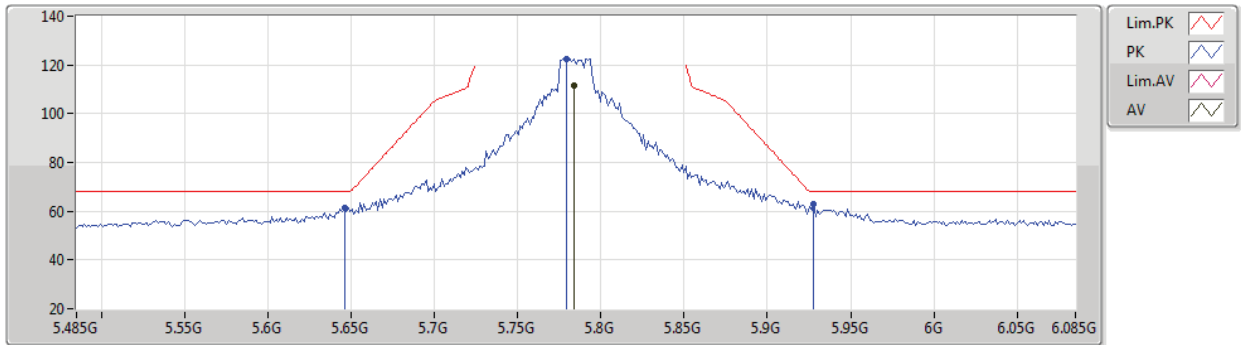
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AV	11.48484G	43.49	54.00	-10.51	18.03	3	Horizontal	307	1.68	-	25.46	39.98	9.47	31.42
PK	11.4878G	56.04	74.00	-17.96	18.04	3	Horizontal	307	1.68	-	38.00	39.99	9.47	31.42



802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5785MHz_TX



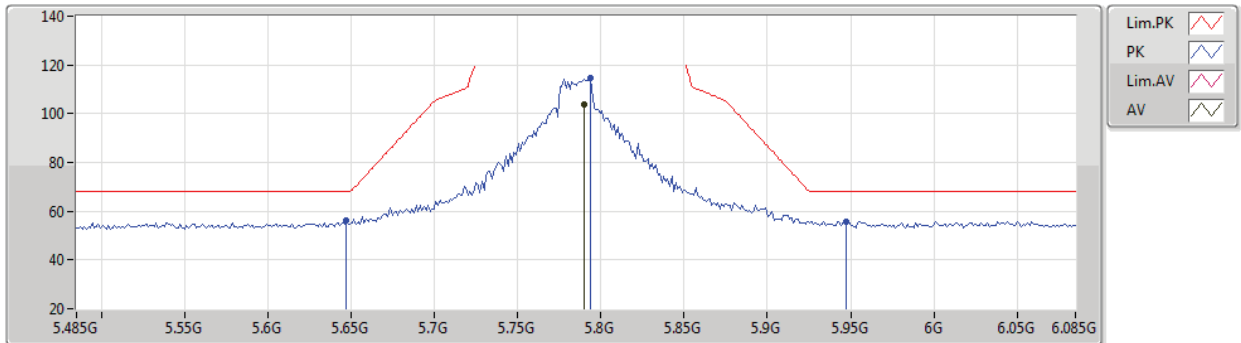
EUT = Z
Setting 100

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7838G	111.70	Inf	-Inf	8.38	3	Vertical	44	2.51	-	103.32	32.00	6.99	30.61
PK	5.6458G	61.26	68.20	-6.94	8.06	3	Vertical	44	2.51	-	53.20	31.72	6.92	30.58
PK	5.779G	122.54	Inf	-Inf	8.39	3	Vertical	44	2.51	-	114.15	32.00	6.99	30.60
PK	5.9278G	63.18	68.20	-5.02	8.74	3	Vertical	44	2.51	-	54.44	32.31	7.06	30.63

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5785MHz_TX


EUT = Z
Setting 100

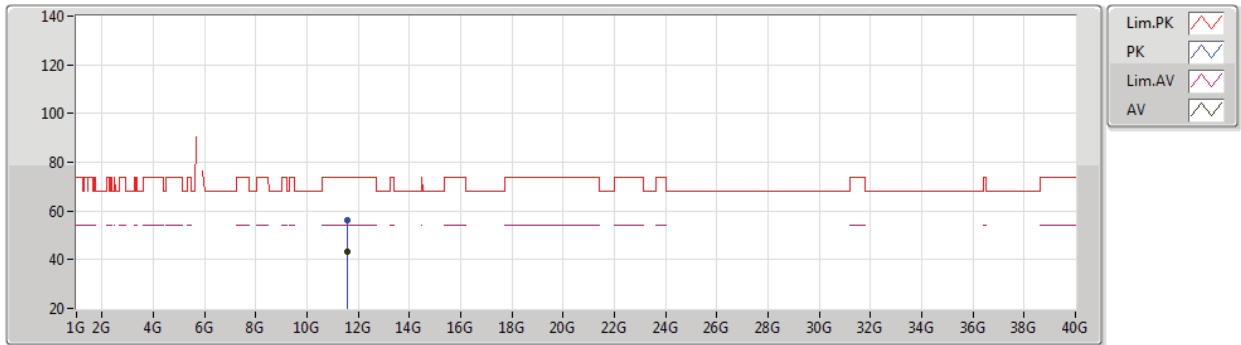
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7898G	103.63	Inf	-Inf	8.38	3	Horizontal	243	1.00	-	95.25	32.00	6.99	30.61
PK	5.647G	56.12	68.20	-12.08	8.05	3	Horizontal	243	1.00	-	48.07	31.71	6.92	30.58
PK	5.7934G	114.64	Inf	-Inf	8.39	3	Horizontal	243	1.00	-	106.25	32.00	7.00	30.61
PK	5.947G	55.94	68.20	-12.26	8.83	3	Horizontal	243	1.00	-	47.11	32.39	7.07	30.63



802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5785MHz_TX



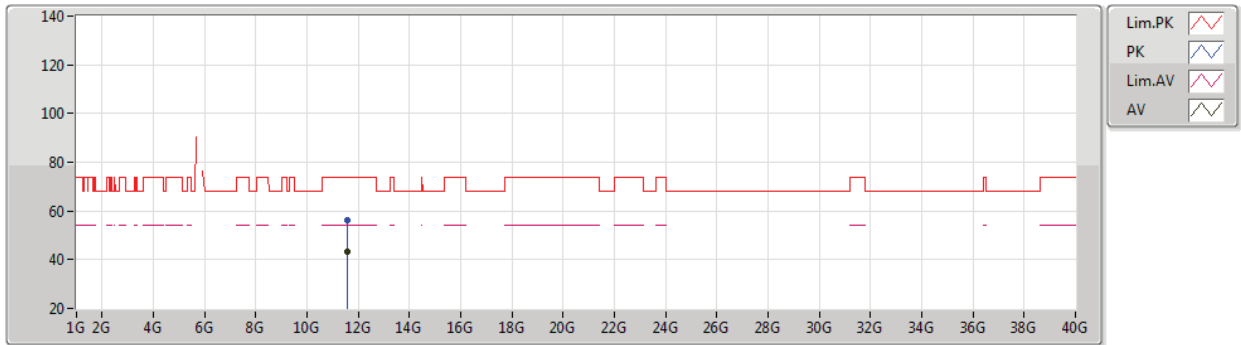
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Setting 100

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5718G	43.14	54.00	-10.86	18.00	3	Vertical	305	2.30	-	25.14	39.93	9.51	31.44
PK	11.56616G	56.16	74.00	-17.84	18.00	3	Vertical	305	2.30	-	38.16	39.93	9.50	31.43

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5785MHz_TX

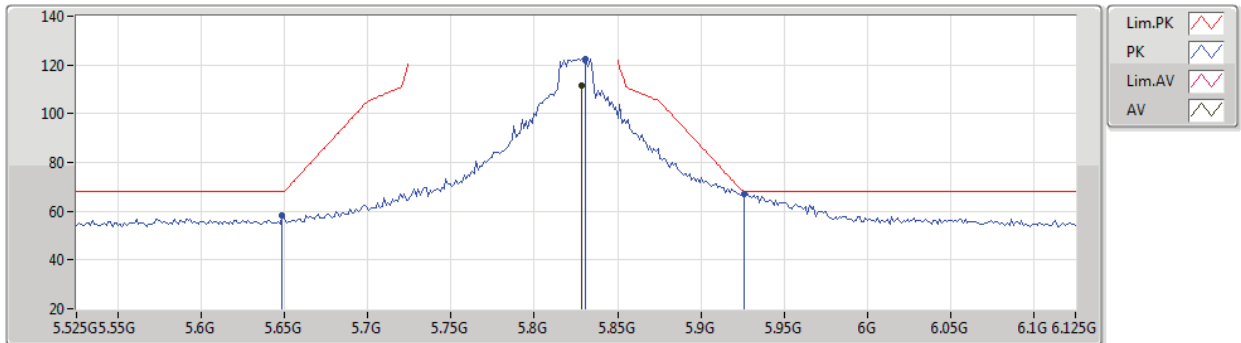

EUT = Z
Setting 100

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.57112G	43.33	54.00	-10.67	18.00	3	Horizontal	82	1.67	-	25.33	39.93	9.51	31.44
PK	11.57312G	56.17	74.00	-17.83	18.00	3	Horizontal	82	1.67	-	38.17	39.93	9.51	31.44

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5825MHz_TX

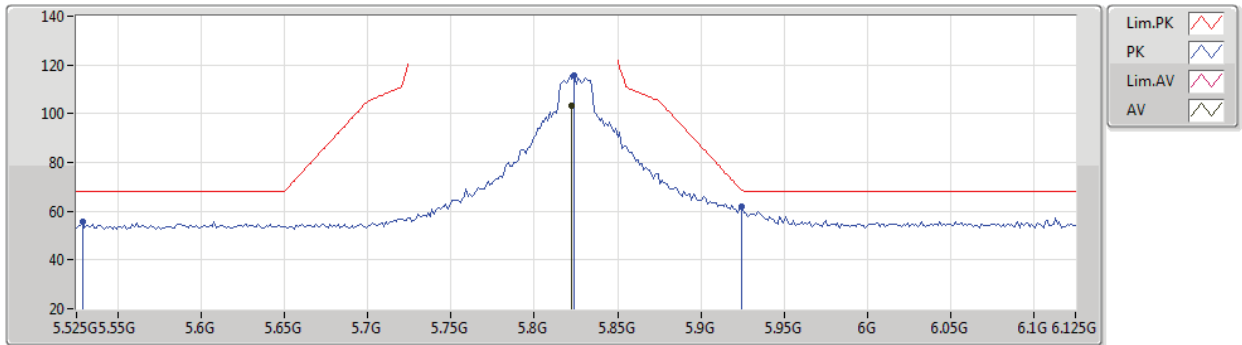

EUT = Z
Setting 92

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8286G	111.72	Inf	-Inf	8.46	3	Vertical	44	2.35	-	103.26	32.06	7.01	30.61
PK	5.6486G	58.18	68.20	-10.02	8.05	3	Vertical	44	2.35	-	50.13	31.71	6.92	30.58
PK	5.831G	122.30	Inf	-Inf	8.47	3	Vertical	44	2.35	-	113.83	32.06	7.02	30.61
PK	5.9258G	66.84	68.20	-1.36	8.73	3	Vertical	44	2.35	-	58.11	32.30	7.06	30.63

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5825MHz_TX

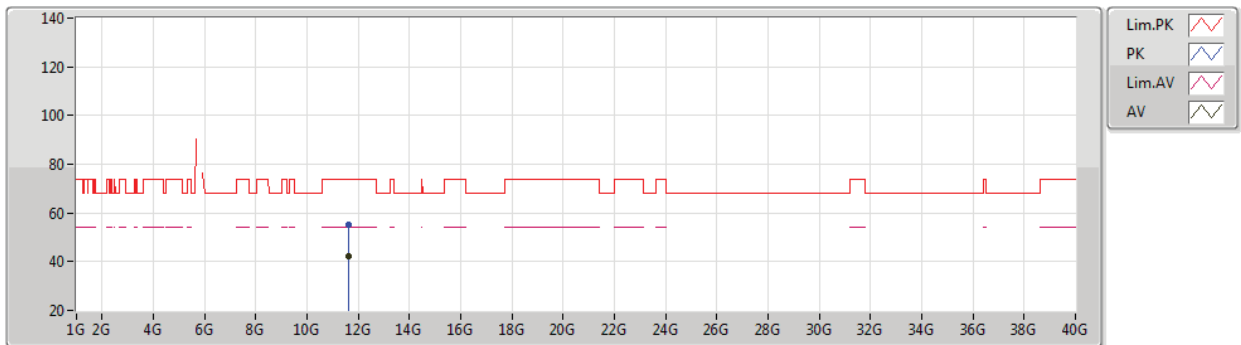

EUT = Z
Setting 92

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8226G	103.37	Inf	-Inf	8.45	3	Horizontal	246	2.13	-	94.92	32.05	7.01	30.61
PK	5.5286G	55.92	68.20	-12.28	8.10	3	Horizontal	246	2.13	-	47.82	31.80	6.86	30.56
PK	5.8238G	115.65	Inf	-Inf	8.45	3	Horizontal	246	2.13	-	107.20	32.05	7.01	30.61
PK	5.9246G	61.77	68.50	-6.73	8.73	3	Horizontal	246	2.13	-	53.04	32.30	7.06	30.63

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5825MHz_TX

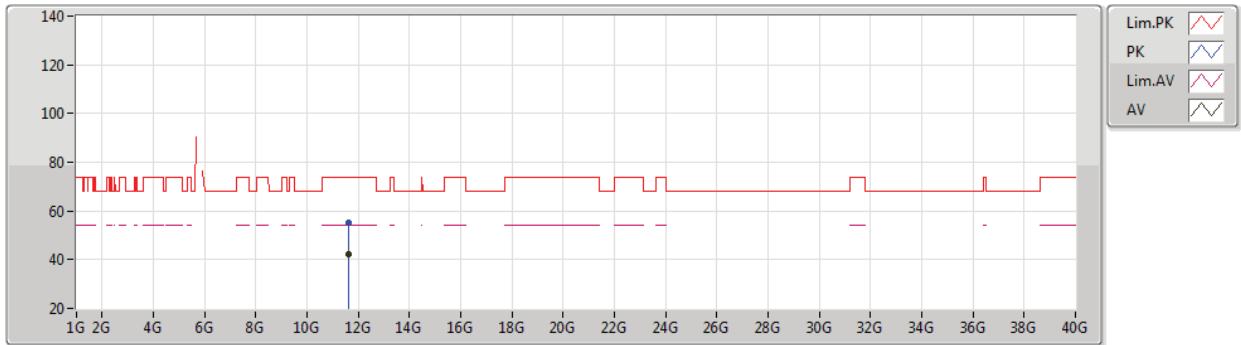

EUT = Z
Setting 92

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.64464G	42.34	54.00	-11.66	17.72	3	Vertical	141	1.81	-	24.62	39.63	9.54	31.45
PK	11.64076G	55.16	74.00	-18.84	17.75	3	Vertical	141	1.81	-	37.41	39.66	9.54	31.45

802.11ax HEW20_Nss1,(MCS0)_2TX

08/09/2020

5825MHz_TX

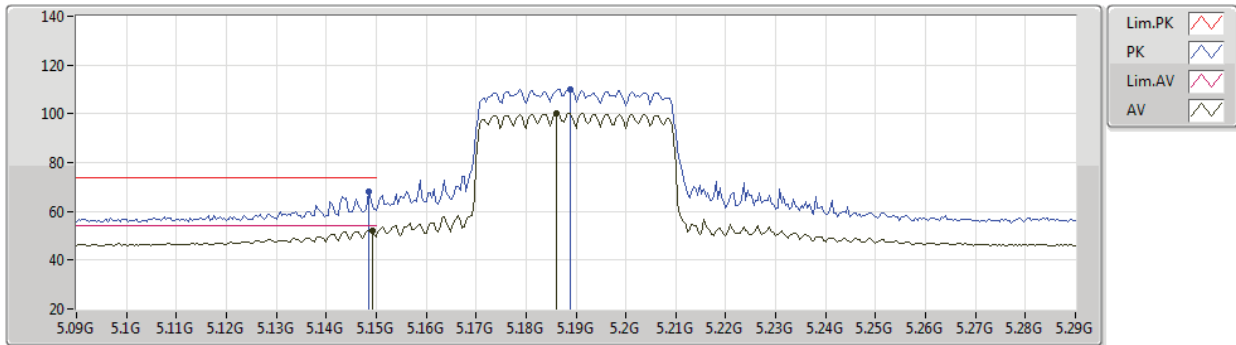

EUT = Z
Setting 92

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.64712G	42.42	54.00	-11.58	17.71	3	Horizontal	33	2.36	-	24.71	39.62	9.54	31.45
PK	11.64196G	55.22	74.00	-18.78	17.74	3	Horizontal	33	2.36	-	37.48	39.65	9.54	31.45

802.11ax HEW40_Nss1,(MCS0)_2TX

09/08/2020

5190MHz_TX

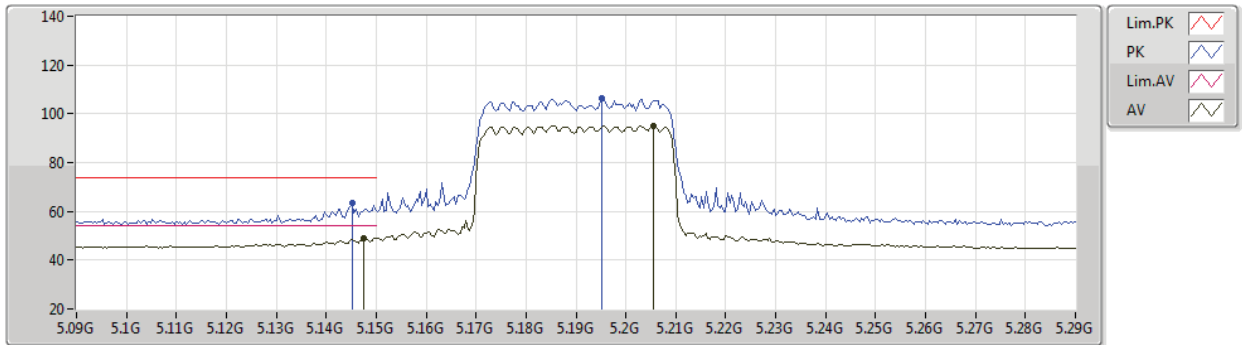


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1492G	52.14	54.00	-1.86	9.44	3	Vertical	20	2.32	-	42.70	32.00	6.77	29.33
AV	5.186G	100.26	Inf	-Inf	9.31	3	Vertical	20	2.32	-	90.95	31.86	6.79	29.34
PK	5.1484G	68.28	74.00	-5.72	9.44	3	Vertical	20	2.32	-	58.84	32.00	6.77	29.33
PK	5.1888G	110.06	Inf	-Inf	9.29	3	Vertical	20	2.32	-	100.77	31.84	6.79	29.34

802.11ax HEW40_Nss1,(MCS0)_2TX

09/08/2020

5190MHz_TX



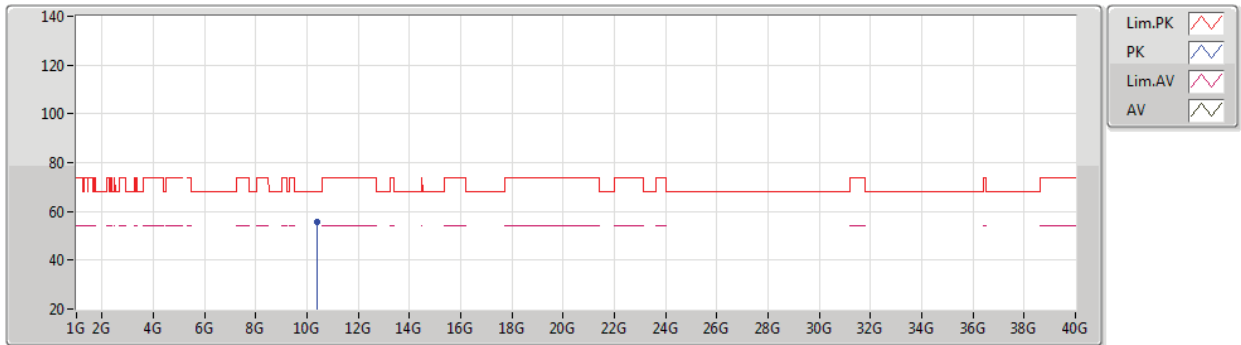
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AV	5.1476G	49.13	54.00	-4.87	9.44	3	Horizontal	64	2.28	-	39.69	32.00	6.77	29.33
AV	5.2056G	94.91	Inf	-Inf	9.22	3	Horizontal	64	2.28	-	85.69	31.76	6.80	29.34
PK	5.1452G	63.69	74.00	-10.31	9.43	3	Horizontal	64	2.28	-	54.26	31.99	6.77	29.33
PK	5.1952G	106.22	Inf	-Inf	9.28	3	Horizontal	64	2.28	-	96.94	31.82	6.80	29.34



802.11ax HEW40_Nss1,(MCS0)_2TX

10/08/2020

5190MHz_TX

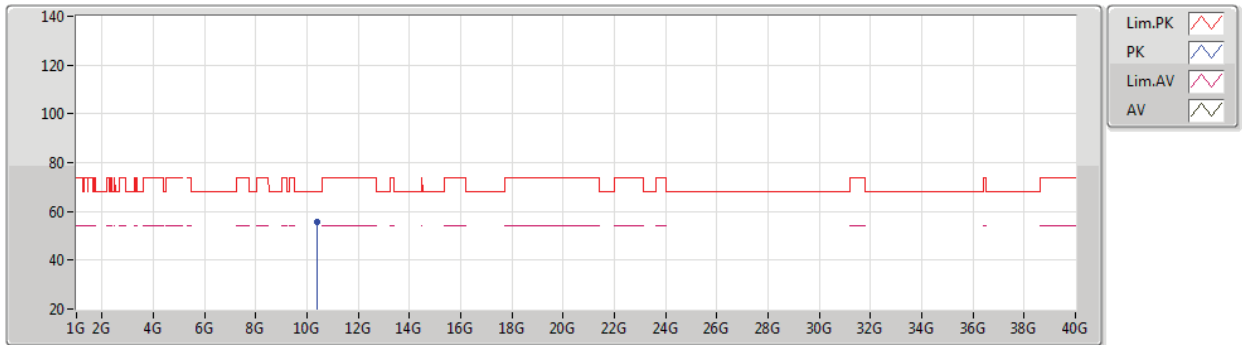


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.39984G	55.78	68.20	-12.42	18.04	3	Vertical	326	1.34	-	37.74	39.60	8.98	30.54

802.11ax HEW40_Nss1,(MCS0)_2TX

10/08/2020

5190MHz_TX

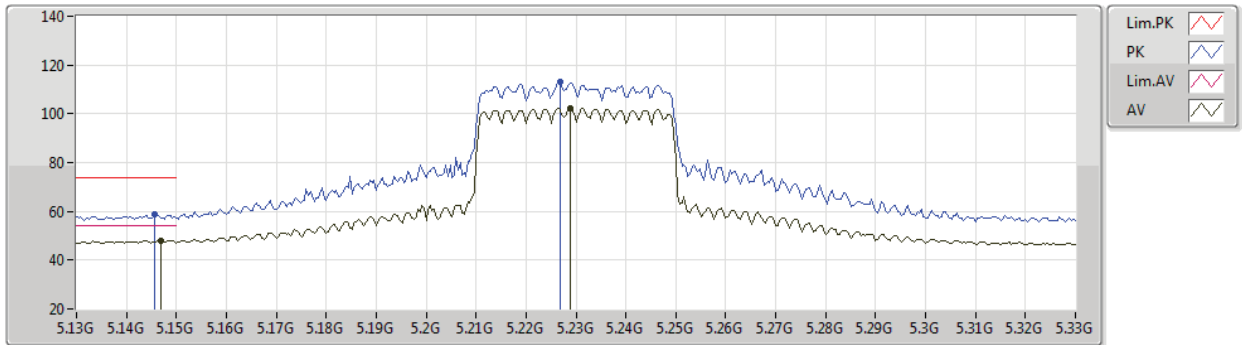


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.39648G	55.59	68.20	-12.61	18.03	3	Horizontal	348	2.45	-	37.56	39.59	8.98	30.54

802.11ax HEW40_Nss1,(MCS0)_2TX

09/08/2020

5230MHz_TX

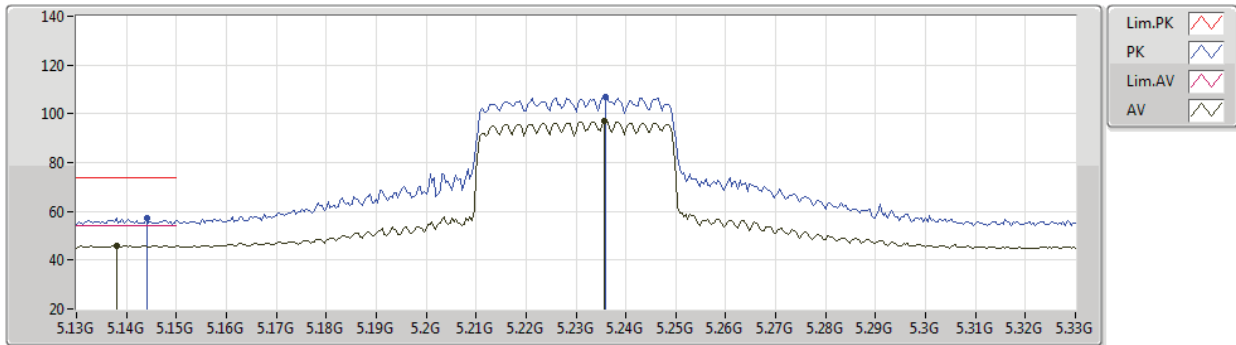


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1468G	47.92	54.00	-6.08	9.43	3	Vertical	74	2.30	-	38.49	31.99	6.77	29.33
AV	5.2288G	102.10	Inf	-Inf	9.03	3	Vertical	74	2.30	-	93.07	31.57	6.80	29.34
PK	5.1456G	58.99	74.00	-15.01	9.43	3	Vertical	74	2.30	-	49.56	31.99	6.77	29.33
PK	5.2268G	113.09	Inf	-Inf	9.05	3	Vertical	74	2.30	-	104.04	31.59	6.80	29.34

802.11ax HEW40_Nss1,(MCS0)_2TX

09/08/2020

5230MHz_TX

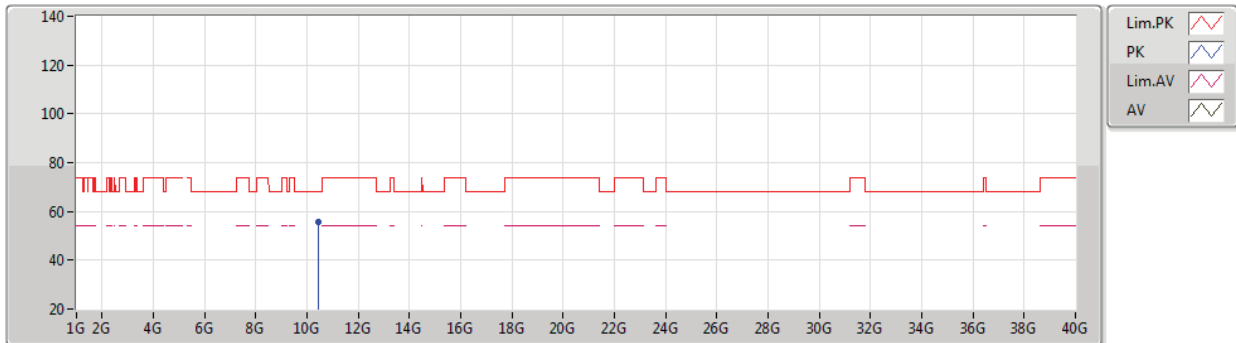


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.138G	45.85	54.00	-8.15	9.42	3	Horizontal	56	2.88	-	36.43	31.98	6.77	29.33
AV	5.2356G	97.07	Inf	-Inf	8.98	3	Horizontal	56	2.88	-	88.09	31.52	6.80	29.34
PK	5.144G	57.40	74.00	-16.60	9.43	3	Horizontal	56	2.88	-	47.97	31.99	6.77	29.33
PK	5.236G	107.00	Inf	-Inf	8.97	3	Horizontal	56	2.88	-	98.03	31.51	6.80	29.34

802.11ax HEW40_Nss1,(MCS0)_2TX

10/08/2020

5230MHz_TX

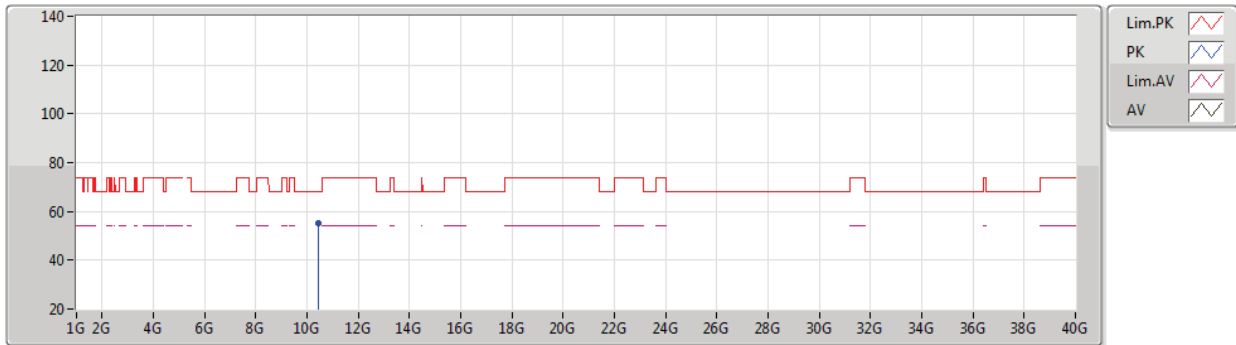


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.444G	55.63	68.20	-12.57	18.08	3	Vertical	132	1.87	-	37.55	39.64	9.00	30.56

802.11ax HEW40_Nss1,(MCS0)_2TX

10/08/2020

5230MHz_TX

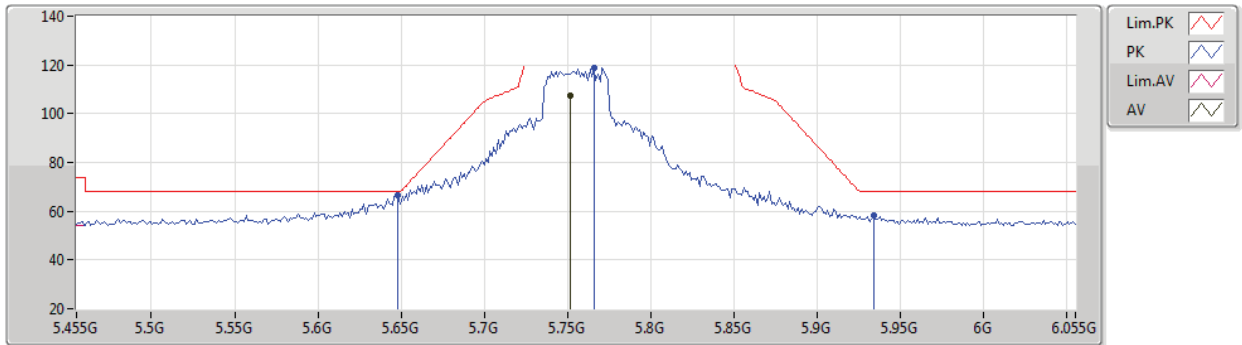


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.45744G	55.29	68.20	-12.91	18.11	3	Horizontal	121	1.95	-	37.18	39.66	9.01	30.56

802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5755MHz_TX

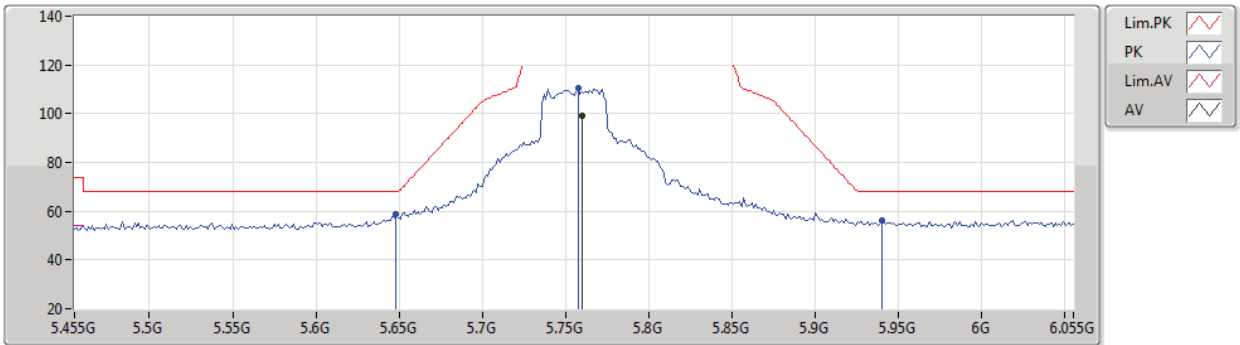

EUT = Z
Setting 86

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7514G	107.64	Inf	-Inf	8.38	3	Vertical	50	2.41	-	99.26	32.00	6.98	30.60
PK	5.6482G	66.35	68.20	-1.85	8.05	3	Vertical	50	2.41	-	58.30	31.71	6.92	30.58
PK	5.7658G	118.86	Inf	-Inf	8.38	3	Vertical	50	2.41	-	110.48	32.00	6.98	30.60
PK	5.9338G	58.10	68.20	-10.10	8.78	3	Vertical	50	2.41	-	49.32	32.34	7.07	30.63

802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5755MHz_TX


EUT = Z
Setting 86

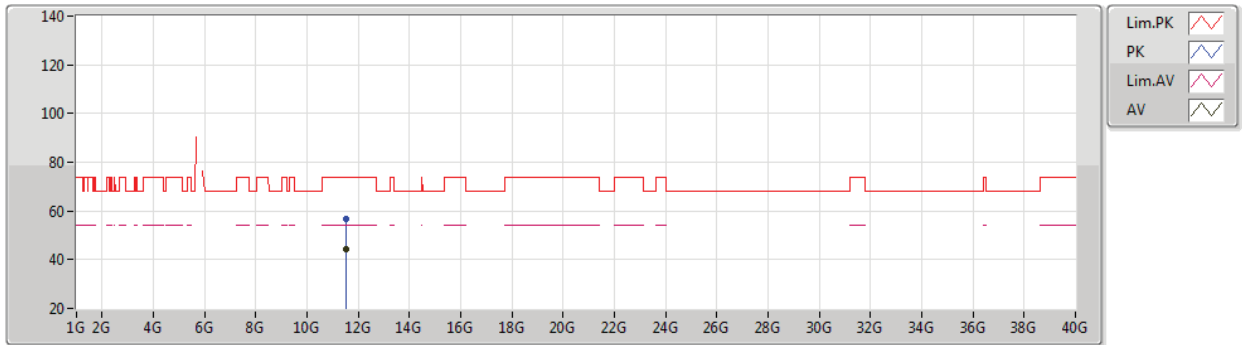
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AV	5.7598G	99.15	Inf	-Inf	8.38	3	Horizontal	248	2.10	-	90.77	32.00	6.98	30.60
PK	5.6482G	58.64	68.20	-9.56	8.05	3	Horizontal	248	2.10	-	50.59	31.71	6.92	30.58
PK	5.7574G	110.59	Inf	-Inf	8.38	3	Horizontal	248	2.10	-	102.21	32.00	6.98	30.60
PK	5.9398G	56.21	68.20	-11.99	8.80	3	Horizontal	248	2.10	-	47.41	32.36	7.07	30.63



802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5755MHz_TX



EUT = Z
Setting 86

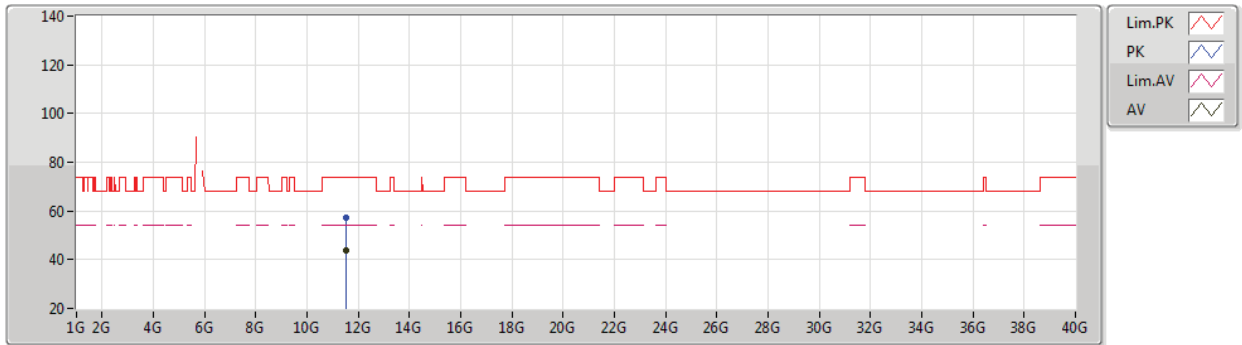
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AV	11.50088G	44.31	54.00	-9.69	18.06	3	Vertical	292	1.07	-	26.25	40.00	9.48	31.42
PK	11.51876G	56.68	74.00	-17.32	18.04	3	Vertical	292	1.07	-	38.64	39.98	9.48	31.42



802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5755MHz_TX



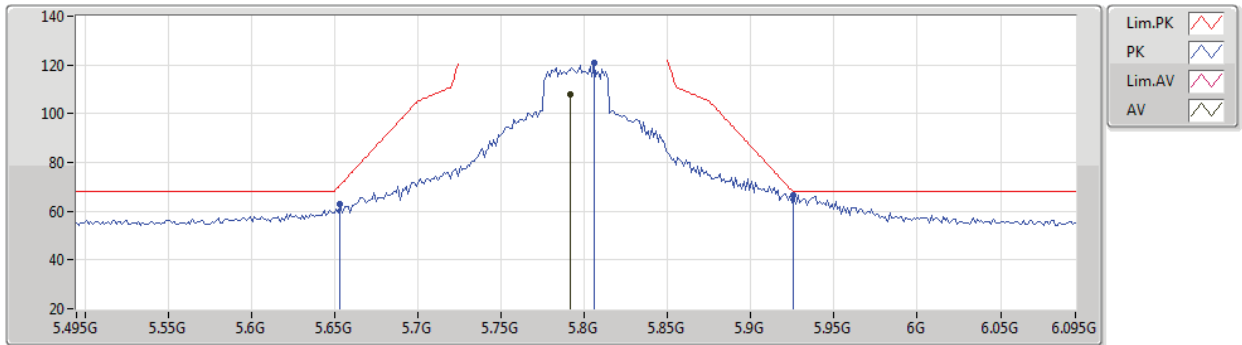
EUT = Z
Setting 86

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.50148G	44.05	54.00	-9.95	18.06	3	Horizontal	225	1.19	-	25.99	40.00	9.48	31.42
PK	11.51032G	56.99	74.00	-17.01	18.05	3	Horizontal	225	1.19	-	38.94	39.99	9.48	31.42

802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5795MHz_TX

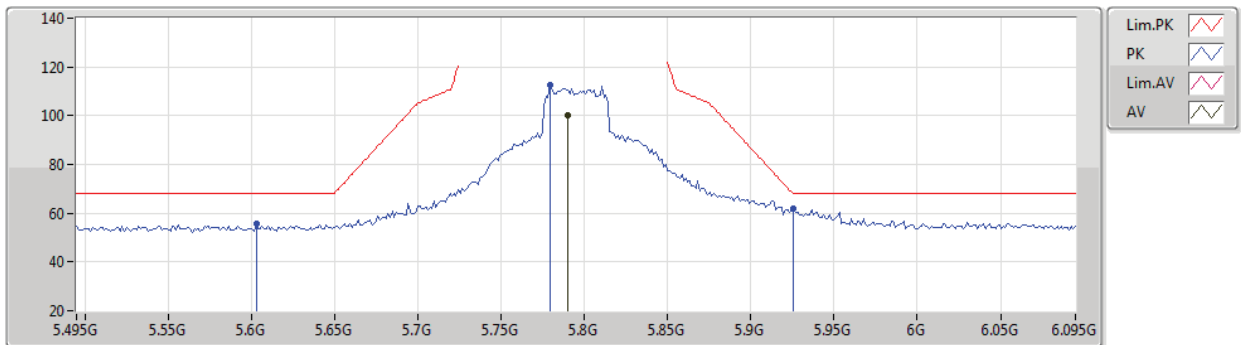

EUT = Z
Setting 88

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7914G	108.09	Inf	-Inf	8.39	3	Vertical	45	2.36	-	99.70	32.00	7.00	30.61
PK	5.6534G	63.11	70.72	-7.61	8.06	3	Vertical	45	2.36	-	55.05	31.71	6.93	30.58
PK	5.8058G	120.97	Inf	-Inf	8.40	3	Vertical	45	2.36	-	112.57	32.01	7.00	30.61
PK	5.9258G	66.65	68.20	-1.55	8.73	3	Vertical	45	2.36	-	57.92	32.30	7.06	30.63

802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5795MHz_TX

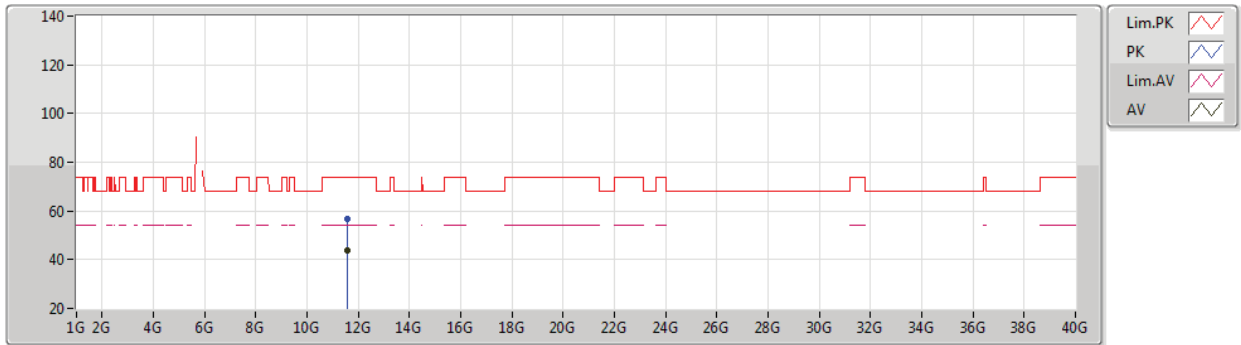

EUT = Z
Setting 88

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7902G	100.11	Inf	-Inf	8.39	3	Horizontal	246	2.24	-	91.72	32.00	7.00	30.61
PK	5.603G	55.76	68.20	-12.44	8.21	3	Horizontal	246	2.24	-	47.55	31.89	6.90	30.58
PK	5.7794G	112.42	Inf	-Inf	8.39	3	Horizontal	246	2.24	-	104.03	32.00	6.99	30.60
PK	5.9258G	62.00	68.20	-6.20	8.73	3	Horizontal	246	2.24	-	53.27	32.30	7.06	30.63

802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5795MHz_TX


EUT = Z
Setting 88

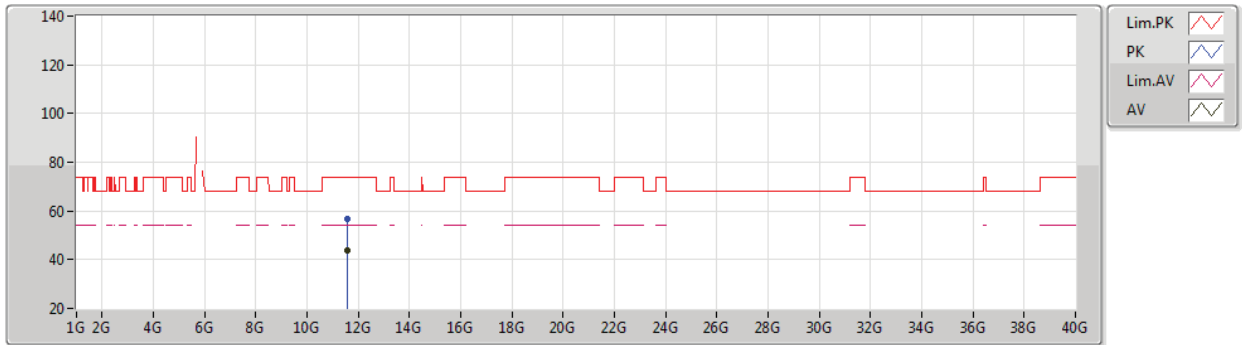
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AV	11.59036G	43.84	54.00	-10.16	17.99	3	Vertical	137	2.46	-	25.85	39.91	9.52	31.44
PK	11.59088G	56.81	74.00	-17.19	17.99	3	Vertical	137	2.46	-	38.82	39.91	9.52	31.44



802.11ax HEW40_Nss1,(MCS0)_2TX

08/09/2020

5795MHz_TX



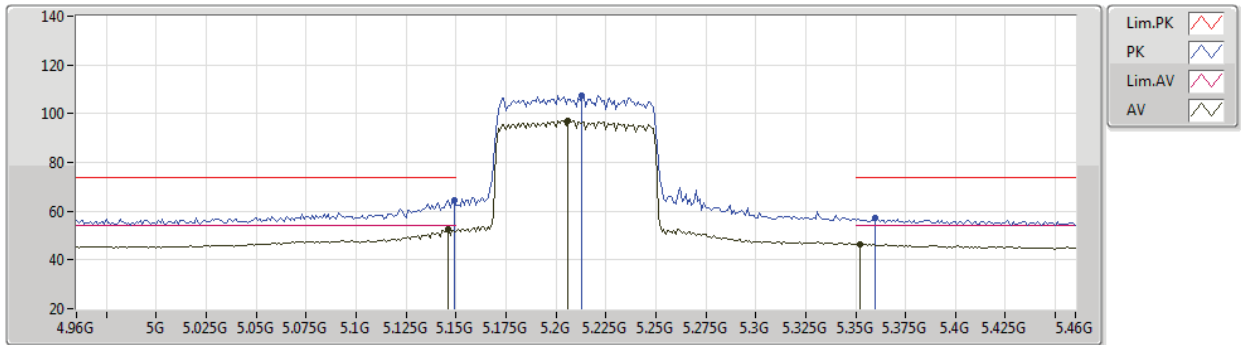
EUT = Z
Setting 88

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.58932G	44.03	54.00	-9.97	17.99	3	Horizontal	169	1.96	-	26.04	39.91	9.52	31.44
PK	11.59384G	56.78	74.00	-17.22	17.99	3	Horizontal	169	1.96	-	38.79	39.91	9.52	31.44

802.11ax HEW80_Nss1,(MCS0)_2TX

10/08/2020

5210MHz_TX

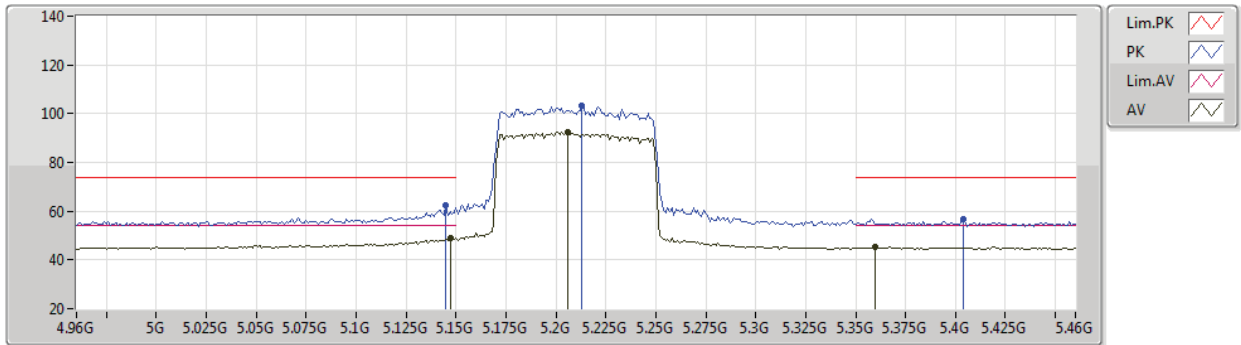


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.146G	52.45	54.00	-1.55	9.43	3	Vertical	20	2.41	-	43.02	31.99	6.77	29.33
AV	5.206G	97.07	Inf	-Inf	9.21	3	Vertical	20	2.41	-	87.86	31.75	6.80	29.34
AV	5.352G	46.39	54.00	-7.61	8.56	3	Vertical	20	2.41	-	37.83	31.12	6.80	29.36
PK	5.149G	64.43	74.00	-9.57	9.44	3	Vertical	20	2.41	-	54.99	32.00	6.77	29.33
PK	5.213G	107.67	Inf	-Inf	9.16	3	Vertical	20	2.41	-	98.51	31.70	6.80	29.34
PK	5.36G	57.29	74.00	-16.71	8.62	3	Vertical	20	2.41	-	48.67	31.18	6.80	29.36

802.11ax HEW80_Nss1,(MCS0)_2TX

10/08/2020

5210MHz_TX

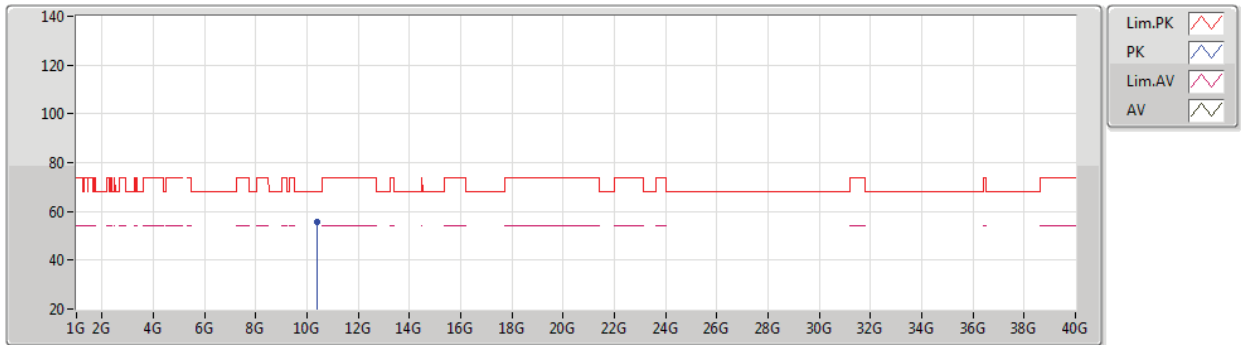


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.147G	49.03	54.00	-4.97	9.43	3	Horizontal	65	2.29	-	39.60	31.99	6.77	29.33
AV	5.206G	92.30	Inf	-Inf	9.21	3	Horizontal	65	2.29	-	83.09	31.75	6.80	29.34
AV	5.36G	45.37	54.00	-8.63	8.62	3	Horizontal	65	2.29	-	36.75	31.18	6.80	29.36
PK	5.145G	62.56	74.00	-11.44	9.43	3	Horizontal	65	2.29	-	53.13	31.99	6.77	29.33
PK	5.213G	103.40	Inf	-Inf	9.16	3	Horizontal	65	2.29	-	94.24	31.70	6.80	29.34
PK	5.404G	56.75	74.00	-17.25	8.95	3	Horizontal	65	2.29	-	47.80	31.51	6.80	29.36

802.11ax HEW80_Nss1,(MCS0)_2TX

10/08/2020

5210MHz_TX

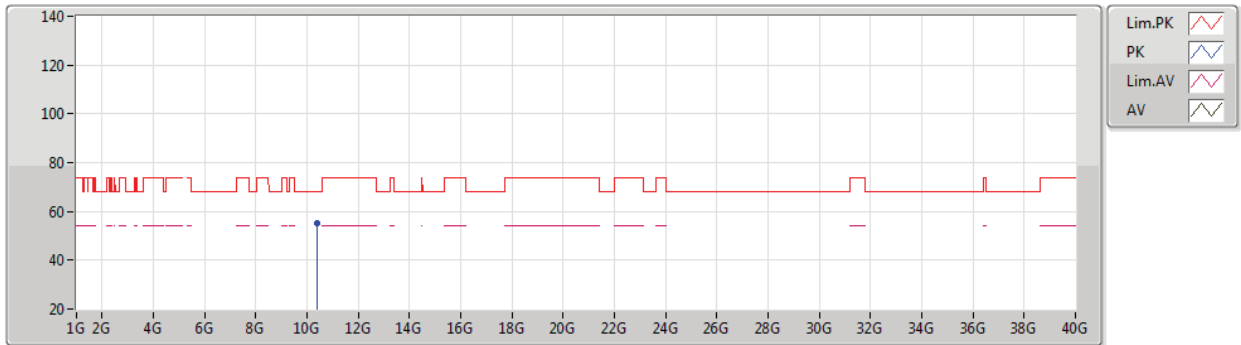


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.38928G	55.73	68.20	-12.47	18.00	3	Vertical	305	1.21	-	37.73	39.56	8.98	30.54

802.11ax HEW80_Nss1,(MCS0)_2TX

10/08/2020

5210MHz_TX

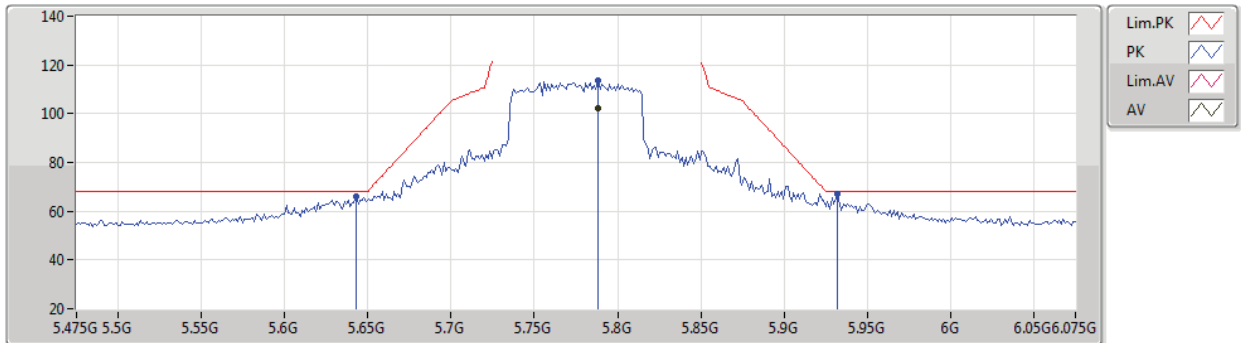


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.38144G	55.25	68.20	-12.95	17.97	3	Horizontal	291	1.24	-	37.28	39.53	8.97	30.53

802.11ax HEW80_Nss1,(MCS0)_2TX

08/09/2020

5775MHz_TX

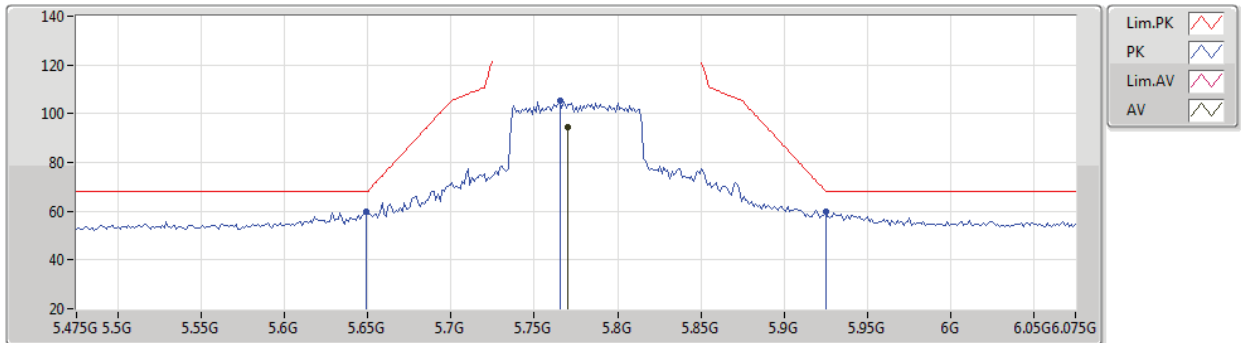

EUT = Z
Setting 93

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7882G	102.39	Inf	-Inf	8.38	3	Vertical	43	2.52	-	94.01	32.00	6.99	30.61
PK	5.643G	66.02	68.20	-2.18	8.07	3	Vertical	43	2.52	-	57.95	31.73	6.92	30.58
PK	5.7882G	113.51	Inf	-Inf	8.38	3	Vertical	43	2.52	-	105.13	32.00	6.99	30.61
PK	5.9322G	66.82	68.20	-1.38	8.77	3	Vertical	43	2.52	-	58.05	32.33	7.07	30.63

802.11ax HEW80_Nss1,(MCS0)_2TX

08/09/2020

5775MHz_TX


EUT = Z
Setting 93

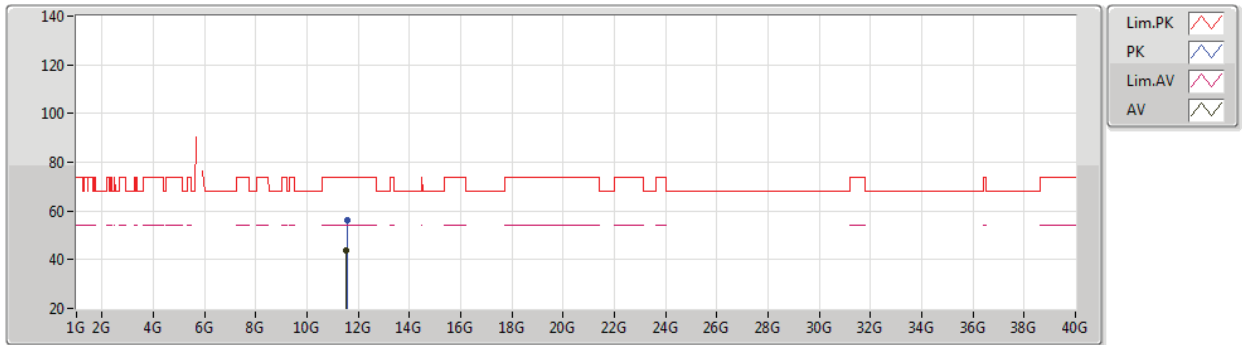
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7702G	94.24	Inf	-Inf	8.39	3	Horizontal	244	1.04	-	85.85	32.00	6.99	30.60
PK	5.649G	59.76	68.20	-8.44	8.04	3	Horizontal	244	1.04	-	51.72	31.70	6.92	30.58
PK	5.7654G	105.23	Inf	-Inf	8.38	3	Horizontal	244	1.04	-	96.85	32.00	6.98	30.60
PK	5.925G	59.67	68.20	-8.53	8.73	3	Horizontal	244	1.04	-	50.94	32.30	7.06	30.63



802.11ax HEW80_Nss1,(MCS0)_2TX

08/09/2020

5775MHz_TX



EUT = Z
Setting 93

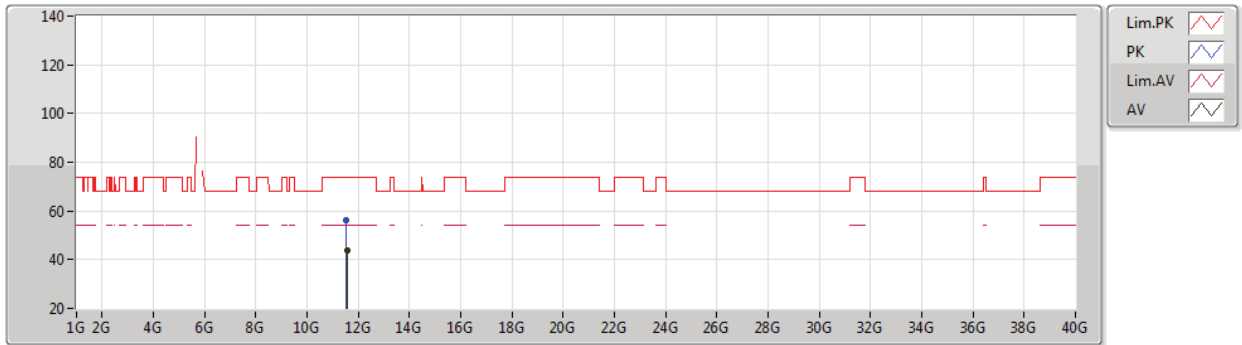
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5486G	43.97	54.00	-10.03	18.02	3	Vertical	72	1.86	-	25.95	39.95	9.50	31.43
PK	11.54944G	56.04	74.00	-17.96	18.02	3	Vertical	72	1.86	-	38.02	39.95	9.50	31.43



802.11ax HEW80_Nss1,(MCS0)_2TX

08/09/2020

5775MHz_TX



EUT = Z
Setting 93

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.55992G	44.04	54.00	-9.96	18.01	3	Horizontal	131	2.06	-	26.03	39.94	9.50	31.43
PK	11.54396G	56.31	74.00	-17.69	18.02	3	Horizontal	131	2.06	-	38.29	39.96	9.49	31.43



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1.(MCS0)_2TX	Pass	QP	61.04M	33.75	40.00	-6.25	3	Vertical	303	1.00	-

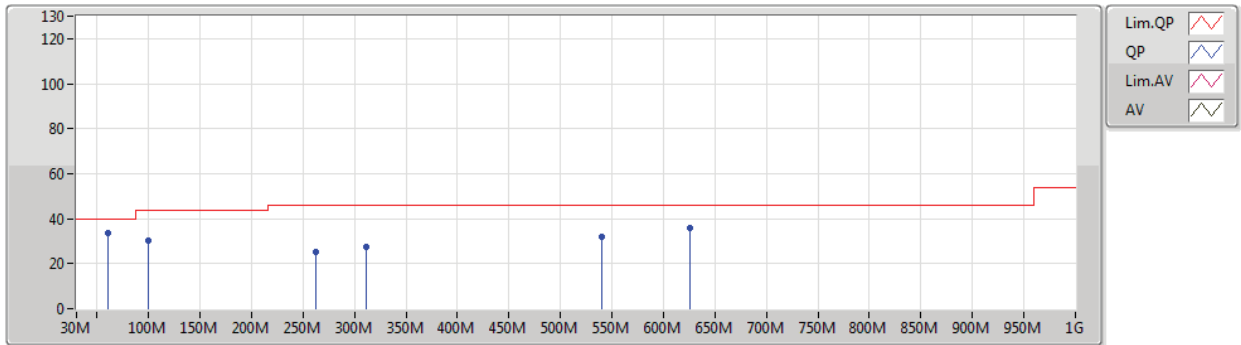
**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	99.84M	30.21	43.50	-13.29	3	Vertical	360	1.00	-
5775MHz	Pass	PK	262.8M	25.21	46.00	-20.79	3	Vertical	360	1.00	-
5775MHz	Pass	PK	311.3M	27.29	46.00	-18.71	3	Vertical	360	1.00	-
5775MHz	Pass	PK	540.22M	31.95	46.00	-14.05	3	Vertical	360	1.00	-
5775MHz	Pass	PK	625.58M	35.75	46.00	-10.25	3	Vertical	360	1.00	-
5775MHz	Pass	QP	61.04M	33.75	40.00	-6.25	3	Vertical	303	1.00	-
5775MHz	Pass	PK	62.98M	31.42	40.00	-8.58	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	99.84M	27.09	43.50	-16.41	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	291.9M	24.75	46.00	-21.25	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	375.32M	28.34	46.00	-17.66	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	499.48M	29.87	46.00	-16.13	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	625.58M	32.64	46.00	-13.36	3	Horizontal	0	1.00	-

802.11ax HEW80_Nss1,(MCS0)_2TX

12/08/2020

5775MHz_Adapter

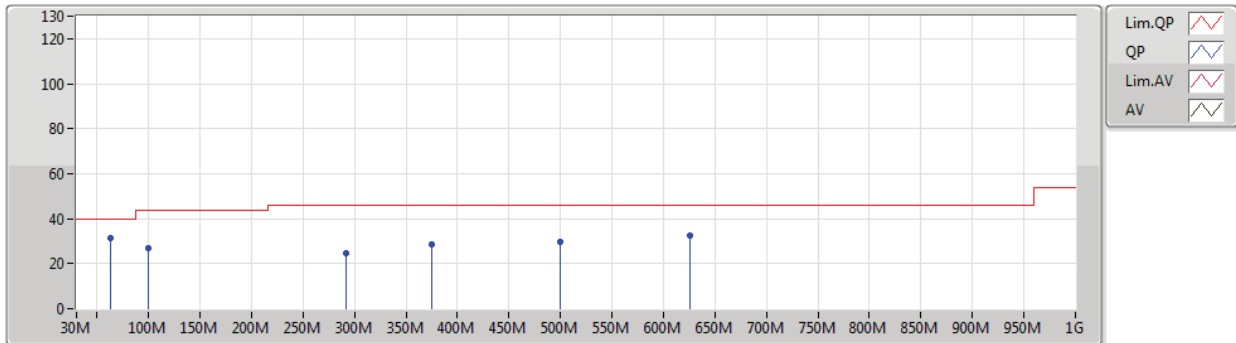


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	99.84M	30.21	43.50	-13.29	-9.86	3	Vertical	360	1.00	-	40.07	15.93	1.60	27.39
PK	262.8M	25.21	46.00	-20.79	-5.44	3	Vertical	360	1.00	-	30.65	18.57	2.68	26.69
PK	311.3M	27.29	46.00	-18.71	-5.09	3	Vertical	360	1.00	-	32.38	18.68	2.95	26.72
PK	540.22M	31.95	46.00	-14.05	-0.26	3	Vertical	360	1.00	-	32.21	23.86	3.86	27.98
PK	625.58M	35.75	46.00	-10.25	-0.01	3	Vertical	360	1.00	-	35.76	23.85	4.20	28.06
QP	61.04M	33.75	40.00	-6.25	-14.99	3	Vertical	303	1.00	-	48.74	11.28	1.22	27.49

802.11ax HEW80_Nss1,(MCS0)_2TX

12/08/2020

5775MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	62.98M	31.42	40.00	-8.58	-14.81	3	Horizontal	0	1.00	-	46.23	11.41	1.26	27.48
PK	99.84M	27.09	43.50	-16.41	-9.86	3	Horizontal	0	1.00	-	36.95	15.93	1.60	27.39
PK	291.9M	24.75	46.00	-21.25	-5.59	3	Horizontal	0	1.00	-	30.34	18.22	2.85	26.66
PK	375.32M	28.34	46.00	-17.66	-3.85	3	Horizontal	0	1.00	-	32.19	20.05	3.20	27.10
PK	499.48M	29.87	46.00	-16.13	-1.62	3	Horizontal	0	1.00	-	31.49	22.47	3.70	27.79
PK	625.58M	32.64	46.00	-13.36	-0.01	3	Horizontal	0	1.00	-	32.65	23.85	4.20	28.06

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.1498G	52.94	54.00	-1.06	3	Horizontal	0	1.89	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.15G	52.59	54.00	-1.41	3	Horizontal	360	1.72	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.1492G	52.70	54.00	-1.30	3	Horizontal	0	1.81	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.15G	52.64	54.00	-1.36	3	Horizontal	9	1.68	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	11.64984G	49.48	54.00	-4.52	3	Horizontal	37	1.80	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	11.64864G	46.16	54.00	-7.84	3	Vertical	3	2.41	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	11.51424G	43.95	54.00	-10.05	3	Vertical	325	1.09	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	5.649G	60.55	68.20	-7.65	3	Horizontal	307	1.91	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1498G	49.85	54.00	-4.15	3	Vertical	318	1.76	-
5180MHz	Pass	AV	5.1858G	100.41	Inf	-Inf	3	Vertical	318	1.76	-
5180MHz	Pass	PK	5.1498G	68.00	74.00	-6.00	3	Vertical	318	1.76	-
5180MHz	Pass	PK	5.1848G	109.40	Inf	-Inf	3	Vertical	318	1.76	-
5180MHz	Pass	AV	5.1498G	52.94	54.00	-1.06	3	Horizontal	0	1.89	-
5180MHz	Pass	AV	5.1822G	102.53	Inf	-Inf	3	Horizontal	0	1.89	-
5180MHz	Pass	PK	5.1486G	71.77	74.00	-2.23	3	Horizontal	0	1.89	-
5180MHz	Pass	PK	5.185G	111.64	Inf	-Inf	3	Horizontal	0	1.89	-
5180MHz	Pass	PK	10.35492G	56.23	68.20	-11.97	3	Vertical	24	1.67	-
5180MHz	Pass	PK	10.36268G	55.98	68.20	-12.22	3	Horizontal	273	1.51	-
5200MHz	Pass	AV	5.15G	48.79	54.00	-5.21	3	Vertical	317	1.67	-
5200MHz	Pass	AV	5.2064G	102.29	Inf	-Inf	3	Vertical	317	1.67	-
5200MHz	Pass	PK	5.1496G	62.25	74.00	-11.75	3	Vertical	317	1.67	-
5200MHz	Pass	PK	5.2064G	111.26	Inf	-Inf	3	Vertical	317	1.67	-
5200MHz	Pass	AV	5.15G	50.93	54.00	-3.07	3	Horizontal	3	1.70	-
5200MHz	Pass	AV	5.204G	104.51	Inf	-Inf	3	Horizontal	3	1.70	-
5200MHz	Pass	PK	5.15G	67.22	74.00	-6.78	3	Horizontal	3	1.70	-
5200MHz	Pass	PK	5.2048G	113.84	Inf	-Inf	3	Horizontal	3	1.70	-
5200MHz	Pass	PK	10.39968G	59.21	68.20	-8.99	3	Vertical	360	2.50	-
5200MHz	Pass	PK	10.39844G	61.87	68.20	-6.33	3	Horizontal	175	2.40	-
5240MHz	Pass	AV	5.1416G	46.46	54.00	-7.54	3	Vertical	321	1.76	-
5240MHz	Pass	AV	5.2466G	102.71	Inf	-Inf	3	Vertical	321	1.76	-
5240MHz	Pass	AV	5.3828G	44.49	54.00	-9.51	3	Vertical	321	1.76	-
5240MHz	Pass	PK	5.1404G	57.12	74.00	-16.88	3	Vertical	321	1.76	-
5240MHz	Pass	PK	5.2466G	111.77	Inf	-Inf	3	Vertical	321	1.76	-
5240MHz	Pass	PK	5.3684G	56.33	74.00	-17.67	3	Vertical	321	1.76	-
5240MHz	Pass	AV	5.1434G	48.52	54.00	-5.48	3	Horizontal	3	1.82	-
5240MHz	Pass	AV	5.2442G	104.27	Inf	-Inf	3	Horizontal	3	1.82	-
5240MHz	Pass	AV	5.366G	44.59	54.00	-9.41	3	Horizontal	3	1.82	-
5240MHz	Pass	PK	5.1428G	59.75	74.00	-14.25	3	Horizontal	3	1.82	-
5240MHz	Pass	PK	5.2436G	113.56	Inf	-Inf	3	Horizontal	3	1.82	-
5240MHz	Pass	PK	5.3762G	55.89	74.00	-18.11	3	Horizontal	3	1.82	-
5240MHz	Pass	PK	10.48348G	58.55	68.20	-9.65	3	Vertical	357	2.42	-
5240MHz	Pass	PK	10.48332G	61.54	68.20	-6.66	3	Horizontal	177	2.34	-
5745MHz	Pass	AV	5.7426G	100.85	Inf	-Inf	3	Vertical	343	2.95	-
5745MHz	Pass	PK	5.643G	57.60	68.20	-10.60	3	Vertical	343	2.95	-
5745MHz	Pass	PK	5.7414G	113.09	Inf	-Inf	3	Vertical	343	2.95	-
5745MHz	Pass	PK	5.9382G	58.37	68.20	-9.83	3	Vertical	343	2.95	-
5745MHz	Pass	AV	5.7438G	101.45	Inf	-Inf	3	Horizontal	18	1.85	-
5745MHz	Pass	PK	5.649G	58.81	68.20	-9.39	3	Horizontal	18	1.85	-
5745MHz	Pass	PK	5.7414G	113.45	Inf	-Inf	3	Horizontal	18	1.85	-
5745MHz	Pass	PK	5.9466G	57.41	68.20	-10.79	3	Horizontal	18	1.85	-
5745MHz	Pass	AV	11.48852G	47.29	54.00	-6.71	3	Vertical	357	1.77	-
5745MHz	Pass	PK	11.49144G	59.53	74.00	-14.47	3	Vertical	357	1.77	-
5745MHz	Pass	AV	11.48852G	48.71	54.00	-5.29	3	Horizontal	104	2.01	-
5745MHz	Pass	PK	11.48628G	60.24	74.00	-13.76	3	Horizontal	104	2.01	-
5785MHz	Pass	AV	5.7802G	102.03	Inf	-Inf	3	Vertical	339	2.94	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5785MHz	Pass	PK	5.587G	57.31	68.20	-10.89	3	Vertical	339	2.94	-
5785MHz	Pass	PK	5.7814G	113.54	Inf	-Inf	3	Vertical	339	2.94	-
5785MHz	Pass	PK	6.0178G	57.87	68.20	-10.33	3	Vertical	339	2.94	-
5785MHz	Pass	AV	5.7838G	101.94	Inf	-Inf	3	Horizontal	17	1.66	-
5785MHz	Pass	PK	5.635G	56.85	68.20	-11.35	3	Horizontal	17	1.66	-
5785MHz	Pass	PK	5.7886G	113.29	Inf	-Inf	3	Horizontal	17	1.66	-
5785MHz	Pass	PK	6.0106G	57.94	68.20	-10.26	3	Horizontal	17	1.66	-
5785MHz	Pass	AV	11.56892G	47.66	54.00	-6.34	3	Vertical	360	1.81	-
5785MHz	Pass	PK	11.5716G	59.54	74.00	-14.46	3	Vertical	360	1.81	-
5785MHz	Pass	AV	11.5686G	48.76	54.00	-5.24	3	Horizontal	115	2.00	-
5785MHz	Pass	PK	11.57164G	60.56	74.00	-13.44	3	Horizontal	115	2.00	-
5825MHz	Pass	AV	5.819G	101.33	Inf	-Inf	3	Vertical	345	2.63	-
5825MHz	Pass	PK	5.6318G	56.84	68.20	-11.36	3	Vertical	345	2.63	-
5825MHz	Pass	PK	5.8226G	113.19	Inf	-Inf	3	Vertical	345	2.63	-
5825MHz	Pass	PK	5.933G	59.07	68.20	-9.13	3	Vertical	345	2.63	-
5825MHz	Pass	AV	5.8178G	102.49	Inf	-Inf	3	Horizontal	314	1.74	-
5825MHz	Pass	PK	5.5994G	56.94	68.20	-11.26	3	Horizontal	314	1.74	-
5825MHz	Pass	PK	5.8214G	114.31	Inf	-Inf	3	Horizontal	314	1.74	-
5825MHz	Pass	PK	5.9294G	58.02	68.20	-10.18	3	Horizontal	314	1.74	-
5825MHz	Pass	AV	11.6494G	48.60	54.00	-5.40	3	Vertical	360	1.68	-
5825MHz	Pass	PK	11.6494G	60.19	74.00	-13.81	3	Vertical	360	1.68	-
5825MHz	Pass	AV	11.64984G	49.48	54.00	-4.52	3	Horizontal	37	1.80	-
5825MHz	Pass	PK	11.64984G	61.00	74.00	-13.00	3	Horizontal	37	1.80	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	50.01	54.00	-3.99	3	Vertical	317	1.76	-
5180MHz	Pass	AV	5.183G	99.02	Inf	-Inf	3	Vertical	317	1.76	-
5180MHz	Pass	PK	5.1438G	68.83	74.00	-5.17	3	Vertical	317	1.76	-
5180MHz	Pass	PK	5.1844G	110.58	Inf	-Inf	3	Vertical	317	1.76	-
5180MHz	Pass	AV	5.15G	52.59	54.00	-1.41	3	Horizontal	360	1.72	-
5180MHz	Pass	AV	5.1814G	101.10	Inf	-Inf	3	Horizontal	360	1.72	-
5180MHz	Pass	PK	5.1498G	71.66	74.00	-2.34	3	Horizontal	360	1.72	-
5180MHz	Pass	PK	5.1846G	113.33	Inf	-Inf	3	Horizontal	360	1.72	-
5180MHz	Pass	PK	10.3636G	56.21	68.20	-11.99	3	Vertical	146	1.66	-
5180MHz	Pass	PK	10.361G	57.99	68.20	-10.21	3	Horizontal	360	1.54	-
5200MHz	Pass	AV	5.1488G	49.58	54.00	-4.42	3	Vertical	319	1.68	-
5200MHz	Pass	AV	5.2056G	100.48	Inf	-Inf	3	Vertical	319	1.68	-
5200MHz	Pass	PK	5.1496G	66.05	74.00	-7.95	3	Vertical	319	1.68	-
5200MHz	Pass	PK	5.2008G	112.04	Inf	-Inf	3	Vertical	319	1.68	-
5200MHz	Pass	AV	5.15G	52.28	54.00	-1.72	3	Horizontal	360	1.70	-
5200MHz	Pass	AV	5.204G	103.07	Inf	-Inf	3	Horizontal	360	1.70	-
5200MHz	Pass	PK	5.1472G	70.21	74.00	-3.79	3	Horizontal	360	1.70	-
5200MHz	Pass	PK	5.2044G	114.88	Inf	-Inf	3	Horizontal	360	1.70	-
5200MHz	Pass	PK	10.39872G	56.87	68.20	-11.33	3	Vertical	215	1.50	-
5200MHz	Pass	PK	10.3964G	59.53	68.20	-8.67	3	Horizontal	176	2.40	-
5240MHz	Pass	AV	5.1458G	46.52	54.00	-7.48	3	Vertical	319	1.79	-
5240MHz	Pass	AV	5.2334G	100.73	Inf	-Inf	3	Vertical	319	1.79	-
5240MHz	Pass	AV	5.35G	44.48	54.00	-9.52	3	Vertical	319	1.79	-
5240MHz	Pass	PK	5.1476G	59.55	74.00	-14.45	3	Vertical	319	1.79	-
5240MHz	Pass	PK	5.2442G	112.17	Inf	-Inf	3	Vertical	319	1.79	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	PK	5.35G	55.82	74.00	-18.18	3	Vertical	319	1.79	-
5240MHz	Pass	AV	5.1422G	47.70	54.00	-6.30	3	Horizontal	3	1.82	-
5240MHz	Pass	AV	5.2442G	102.53	Inf	-Inf	3	Horizontal	3	1.82	-
5240MHz	Pass	AV	5.35G	45.00	54.00	-9.00	3	Horizontal	3	1.82	-
5240MHz	Pass	PK	5.147G	60.18	74.00	-13.82	3	Horizontal	3	1.82	-
5240MHz	Pass	PK	5.2424G	114.85	Inf	-Inf	3	Horizontal	3	1.82	-
5240MHz	Pass	PK	5.3792G	55.48	74.00	-18.52	3	Horizontal	3	1.82	-
5240MHz	Pass	PK	10.47172G	56.61	68.20	-11.59	3	Vertical	212	1.36	-
5240MHz	Pass	PK	10.48426G	60.07	68.20	-8.13	3	Horizontal	150	1.66	-
5745MHz	Pass	AV	5.7438G	92.30	Inf	-Inf	3	Vertical	310	1.67	-
5745MHz	Pass	PK	5.5266G	54.92	68.20	-13.28	3	Vertical	310	1.67	-
5745MHz	Pass	PK	5.7414G	104.53	Inf	-Inf	3	Vertical	310	1.67	-
5745MHz	Pass	PK	5.9394G	55.37	68.20	-12.83	3	Vertical	310	1.67	-
5745MHz	Pass	AV	5.739G	96.56	Inf	-Inf	3	Horizontal	293	1.81	-
5745MHz	Pass	PK	5.6406G	56.27	68.20	-11.93	3	Horizontal	293	1.81	-
5745MHz	Pass	PK	5.7426G	109.22	Inf	-Inf	3	Horizontal	293	1.81	-
5745MHz	Pass	PK	5.931G	55.43	68.20	-12.77	3	Horizontal	293	1.81	-
5745MHz	Pass	AV	11.48888G	45.57	54.00	-8.43	3	Vertical	199	1.49	-
5745MHz	Pass	PK	11.48176G	58.80	74.00	-15.20	3	Vertical	199	1.49	-
5745MHz	Pass	AV	11.48888G	45.62	54.00	-8.38	3	Horizontal	152	1.65	-
5745MHz	Pass	PK	11.49152G	59.23	74.00	-14.77	3	Horizontal	152	1.65	-
5785MHz	Pass	AV	5.7802G	98.31	Inf	-Inf	3	Vertical	334	2.94	-
5785MHz	Pass	PK	5.5018G	56.00	68.20	-12.20	3	Vertical	334	2.94	-
5785MHz	Pass	PK	5.7826G	111.40	Inf	-Inf	3	Vertical	334	2.94	-
5785MHz	Pass	PK	5.9326G	56.34	68.20	-11.86	3	Vertical	334	2.94	-
5785MHz	Pass	AV	5.7862G	96.91	Inf	-Inf	3	Horizontal	339	1.49	-
5785MHz	Pass	PK	5.5918G	55.96	68.20	-12.24	3	Horizontal	339	1.49	-
5785MHz	Pass	PK	5.7862G	109.14	Inf	-Inf	3	Horizontal	339	1.49	-
5785MHz	Pass	PK	5.9878G	56.25	68.20	-11.95	3	Horizontal	339	1.49	-
5785MHz	Pass	AV	11.56872G	45.53	54.00	-8.47	3	Vertical	200	1.50	-
5785MHz	Pass	PK	11.56896G	58.62	74.00	-15.38	3	Vertical	200	1.50	-
5785MHz	Pass	AV	11.56904G	45.64	54.00	-8.36	3	Horizontal	153	1.51	-
5785MHz	Pass	PK	11.56364G	58.48	74.00	-15.52	3	Horizontal	153	1.51	-
5825MHz	Pass	AV	5.8202G	98.86	Inf	-Inf	3	Vertical	334	2.88	-
5825MHz	Pass	PK	5.621G	55.41	68.20	-12.79	3	Vertical	334	2.88	-
5825MHz	Pass	PK	5.8298G	111.10	Inf	-Inf	3	Vertical	334	2.88	-
5825MHz	Pass	PK	5.9282G	57.00	68.20	-11.20	3	Vertical	334	2.88	-
5825MHz	Pass	AV	5.8238G	98.50	Inf	-Inf	3	Horizontal	341	1.48	-
5825MHz	Pass	PK	5.6318G	55.45	68.20	-12.75	3	Horizontal	341	1.48	-
5825MHz	Pass	PK	5.8298G	111.49	Inf	-Inf	3	Horizontal	341	1.48	-
5825MHz	Pass	PK	5.9342G	57.60	68.20	-10.60	3	Horizontal	341	1.48	-
5825MHz	Pass	AV	11.64864G	46.16	54.00	-7.84	3	Vertical	3	2.41	-
5825MHz	Pass	PK	11.65128G	59.60	74.00	-14.40	3	Vertical	3	2.41	-
5825MHz	Pass	AV	11.65004G	45.14	54.00	-8.86	3	Horizontal	329	1.70	-
5825MHz	Pass	PK	11.65524G	58.75	74.00	-15.25	3	Horizontal	329	1.70	-
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1484G	49.88	54.00	-4.12	3	Vertical	312	1.88	-
5190MHz	Pass	AV	5.1956G	93.41	Inf	-Inf	3	Vertical	312	1.88	-
5190MHz	Pass	PK	5.1496G	66.27	74.00	-7.73	3	Vertical	312	1.88	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5190MHz	Pass	PK	5.1956G	105.74	Inf	-Inf	3	Vertical	312	1.88	-
5190MHz	Pass	AV	5.1492G	52.70	54.00	-1.30	3	Horizontal	0	1.81	-
5190MHz	Pass	AV	5.1956G	96.24	Inf	-Inf	3	Horizontal	0	1.81	-
5190MHz	Pass	PK	5.1476G	70.52	74.00	-3.48	3	Horizontal	0	1.81	-
5190MHz	Pass	PK	5.1956G	109.38	Inf	-Inf	3	Horizontal	0	1.81	-
5190MHz	Pass	PK	10.37112G	55.14	68.20	-13.06	3	Vertical	347	2.09	-
5190MHz	Pass	PK	10.38396G	54.98	68.20	-13.22	3	Horizontal	125	2.16	-
5230MHz	Pass	AV	5.1496G	48.33	54.00	-5.67	3	Vertical	303	1.76	-
5230MHz	Pass	AV	5.2248G	93.78	Inf	-Inf	3	Vertical	303	1.76	-
5230MHz	Pass	PK	5.1484G	60.87	74.00	-13.13	3	Vertical	303	1.76	-
5230MHz	Pass	PK	5.2268G	106.57	Inf	-Inf	3	Vertical	303	1.76	-
5230MHz	Pass	AV	5.1492G	51.89	54.00	-2.11	3	Horizontal	5	1.64	-
5230MHz	Pass	AV	5.2248G	97.26	Inf	-Inf	3	Horizontal	5	1.64	-
5230MHz	Pass	PK	5.1488G	64.88	74.00	-9.12	3	Horizontal	5	1.64	-
5230MHz	Pass	PK	5.2268G	109.98	Inf	-Inf	3	Horizontal	5	1.64	-
5230MHz	Pass	PK	10.45452G	55.40	68.20	-12.80	3	Vertical	53	1.50	-
5230MHz	Pass	PK	10.46612G	56.38	68.20	-11.82	3	Horizontal	133	1.81	-
5755MHz	Pass	AV	5.7598G	96.16	Inf	-Inf	3	Vertical	331	2.92	-
5755MHz	Pass	PK	5.6422G	56.60	68.20	-11.60	3	Vertical	331	2.92	-
5755MHz	Pass	PK	5.761G	108.26	Inf	-Inf	3	Vertical	331	2.92	-
5755MHz	Pass	PK	5.9482G	56.11	68.20	-12.09	3	Vertical	331	2.92	-
5755MHz	Pass	AV	5.7598G	95.39	Inf	-Inf	3	Horizontal	309	1.90	-
5755MHz	Pass	PK	5.6338G	56.80	68.20	-11.40	3	Horizontal	309	1.90	-
5755MHz	Pass	PK	5.761G	107.76	Inf	-Inf	3	Horizontal	309	1.90	-
5755MHz	Pass	PK	5.9974G	55.42	68.20	-12.78	3	Horizontal	309	1.90	-
5755MHz	Pass	AV	11.51424G	43.95	54.00	-10.05	3	Vertical	325	1.09	-
5755MHz	Pass	PK	11.5162G	55.84	74.00	-18.16	3	Vertical	325	1.09	-
5755MHz	Pass	AV	11.51592G	43.62	54.00	-10.38	3	Horizontal	301	1.31	-
5755MHz	Pass	PK	11.51228G	55.81	74.00	-18.19	3	Horizontal	301	1.31	-
5795MHz	Pass	AV	5.7998G	96.63	Inf	-Inf	3	Vertical	334	3.00	-
5795MHz	Pass	PK	5.6378G	55.39	68.20	-12.81	3	Vertical	334	3.00	-
5795MHz	Pass	PK	5.7806G	108.66	Inf	-Inf	3	Vertical	334	3.00	-
5795MHz	Pass	PK	6.0386G	56.12	68.20	-12.08	3	Vertical	334	3.00	-
5795MHz	Pass	AV	5.7998G	96.79	Inf	-Inf	3	Horizontal	307	1.87	-
5795MHz	Pass	PK	5.603G	56.65	68.20	-11.55	3	Horizontal	307	1.87	-
5795MHz	Pass	PK	5.7998G	108.51	Inf	-Inf	3	Horizontal	307	1.87	-
5795MHz	Pass	PK	6.0878G	57.18	68.20	-11.02	3	Horizontal	307	1.87	-
5795MHz	Pass	AV	11.59112G	43.50	54.00	-10.50	3	Vertical	140	1.95	-
5795MHz	Pass	PK	11.58492G	56.14	74.00	-17.86	3	Vertical	140	1.95	-
5795MHz	Pass	AV	11.59844G	43.45	54.00	-10.55	3	Horizontal	229	1.83	-
5795MHz	Pass	PK	11.59192G	55.88	74.00	-18.12	3	Horizontal	229	1.83	-
802.11ax HEW80_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149G	49.76	54.00	-4.24	3	Vertical	316	1.75	-
5210MHz	Pass	AV	5.221G	90.62	Inf	-Inf	3	Vertical	316	1.75	-
5210MHz	Pass	AV	5.352G	44.24	54.00	-9.76	3	Vertical	316	1.75	-
5210MHz	Pass	PK	5.15G	64.88	74.00	-9.12	3	Vertical	316	1.75	-
5210MHz	Pass	PK	5.221G	104.02	Inf	-Inf	3	Vertical	316	1.75	-
5210MHz	Pass	PK	5.351G	56.45	74.00	-17.55	3	Vertical	316	1.75	-
5210MHz	Pass	AV	5.15G	52.64	54.00	-1.36	3	Horizontal	9	1.68	-



RSE TX above 1GHz_Radio 3

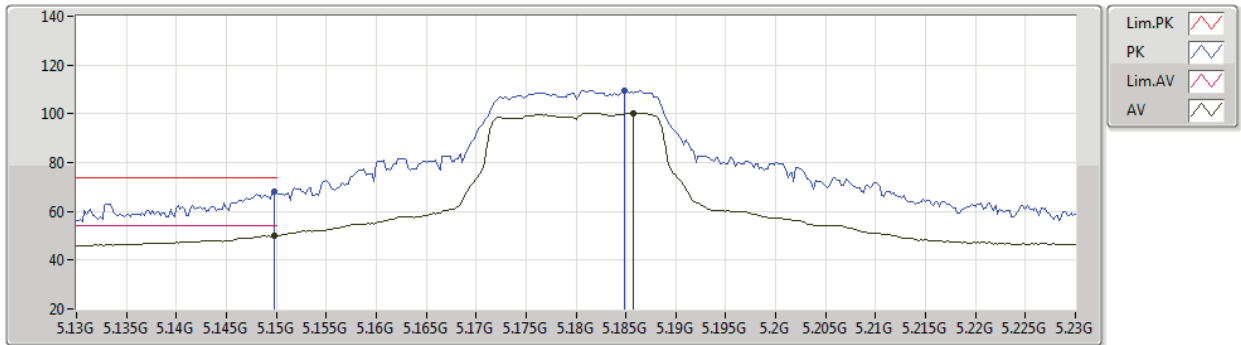
Appendix E.6

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	AV	5.2G	93.64	Inf	-Inf	3	Horizontal	9	1.68	-
5210MHz	Pass	AV	5.362G	44.46	54.00	-9.54	3	Horizontal	9	1.68	-
5210MHz	Pass	PK	5.149G	70.07	74.00	-3.93	3	Horizontal	9	1.68	-
5210MHz	Pass	PK	5.221G	106.36	Inf	-Inf	3	Horizontal	9	1.68	-
5210MHz	Pass	PK	5.38G	57.07	74.00	-16.93	3	Horizontal	9	1.68	-
5210MHz	Pass	PK	10.41408G	55.88	68.20	-12.32	3	Vertical	341	1.13	-
5210MHz	Pass	PK	10.41312G	55.63	68.20	-12.57	3	Horizontal	334	1.03	-
5775MHz	Pass	AV	5.7606G	92.09	Inf	-Inf	3	Vertical	335	2.93	-
5775MHz	Pass	PK	5.6442G	59.16	68.20	-9.04	3	Vertical	335	2.93	-
5775MHz	Pass	PK	5.757G	104.09	Inf	-Inf	3	Vertical	335	2.93	-
5775MHz	Pass	PK	5.9382G	58.15	68.20	-10.05	3	Vertical	335	2.93	-
5775MHz	Pass	AV	5.7642G	92.22	Inf	-Inf	3	Horizontal	307	1.91	-
5775MHz	Pass	PK	5.649G	60.55	68.20	-7.65	3	Horizontal	307	1.91	-
5775MHz	Pass	PK	5.7858G	104.69	Inf	-Inf	3	Horizontal	307	1.91	-
5775MHz	Pass	PK	5.925G	56.44	68.20	-11.76	3	Horizontal	307	1.91	-
5775MHz	Pass	AV	11.54G	43.84	54.00	-10.16	3	Vertical	60	2.07	-
5775MHz	Pass	PK	11.54208G	55.86	74.00	-18.14	3	Vertical	60	2.07	-
5775MHz	Pass	AV	11.54704G	43.73	54.00	-10.27	3	Horizontal	129	1.55	-
5775MHz	Pass	PK	11.54972G	56.23	74.00	-17.77	3	Horizontal	129	1.55	-

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5180MHz_TX

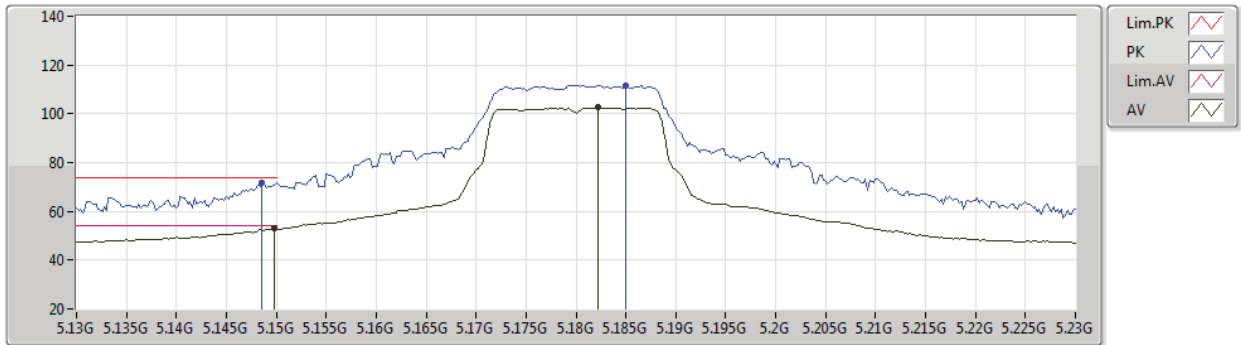


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1498G	49.85	54.00	-4.15	9.44	3	Vertical	318	1.76	-	40.41	32.00	6.77	29.33
AV	5.1858G	100.41	Inf	-Inf	9.31	3	Vertical	318	1.76	-	91.10	31.86	6.79	29.34
PK	5.1498G	68.00	74.00	-6.00	9.44	3	Vertical	318	1.76	-	58.56	32.00	6.77	29.33
PK	5.1848G	109.40	Inf	-Inf	9.31	3	Vertical	318	1.76	-	100.09	31.86	6.79	29.34

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5180MHz_TX



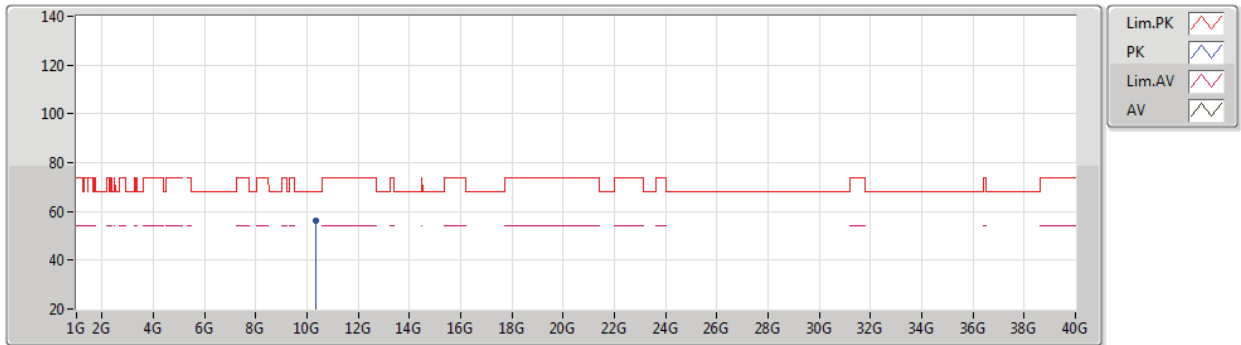
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1498G	52.94	54.00	-1.06	9.44	3	Horizontal	0	1.89	-	43.50	32.00	6.77	29.33
AV	5.1822G	102.53	Inf	-Inf	9.32	3	Horizontal	0	1.89	-	93.21	31.87	6.79	29.34
PK	5.1486G	71.77	74.00	-2.23	9.44	3	Horizontal	0	1.89	-	62.33	32.00	6.77	29.33
PK	5.185G	111.64	Inf	-Inf	9.31	3	Horizontal	0	1.89	-	102.33	31.86	6.79	29.34



802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5180MHz_TX

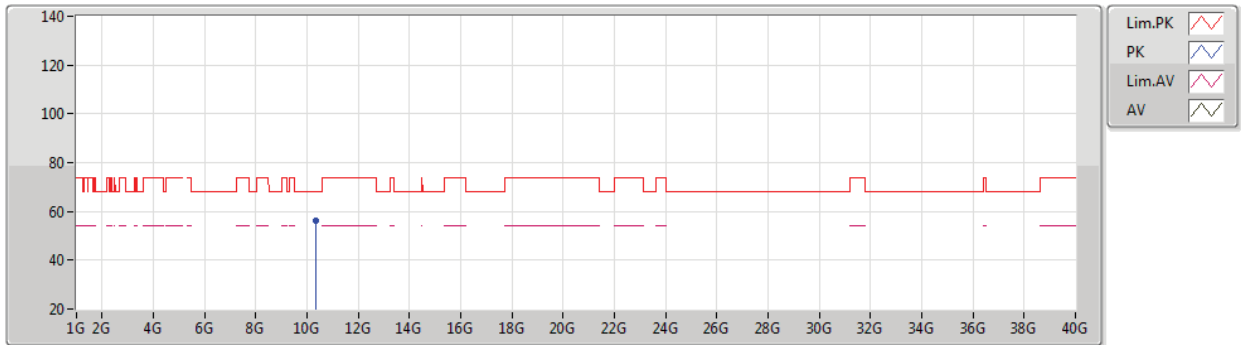


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.35492G	56.23	68.20	-11.97	17.86	3	Vertical	24	1.67	-	38.37	39.42	8.96	30.52

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5180MHz_TX

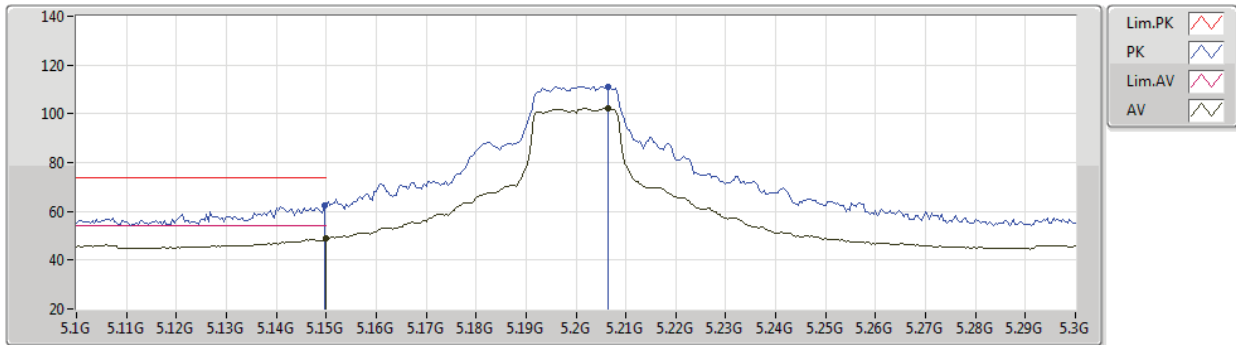


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.36268G	55.98	68.20	-12.22	17.88	3	Horizontal	273	1.51	-	38.10	39.45	8.96	30.53

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5200MHz_TX

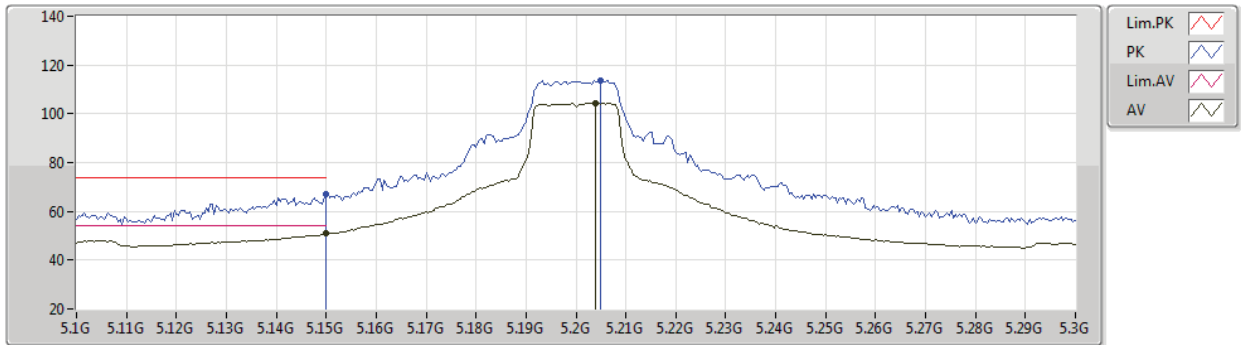


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	48.79	54.00	-5.21	9.44	3	Vertical	317	1.67	-	39.35	32.00	6.78	29.34
AV	5.2064G	102.29	Inf	-Inf	9.21	3	Vertical	317	1.67	-	93.08	31.75	6.80	29.34
PK	5.1496G	62.25	74.00	-11.75	9.44	3	Vertical	317	1.67	-	52.81	32.00	6.77	29.33
PK	5.2064G	111.26	Inf	-Inf	9.21	3	Vertical	317	1.67	-	102.05	31.75	6.80	29.34

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5200MHz_TX

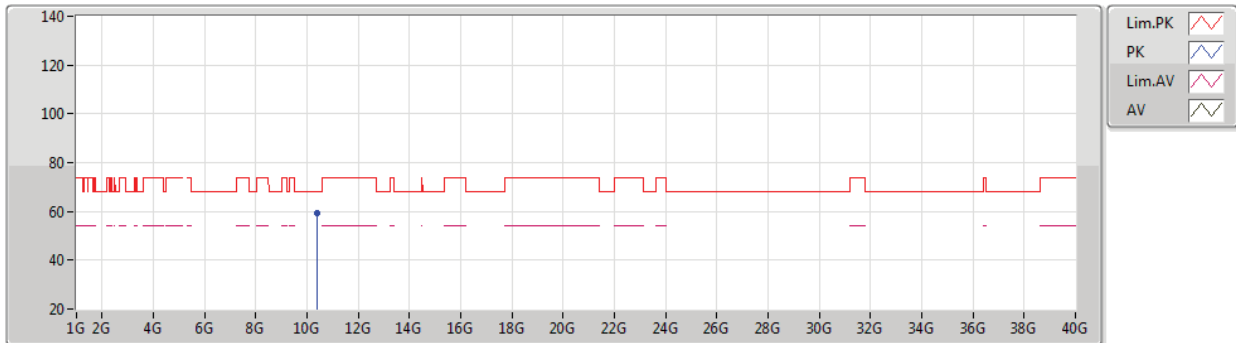


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	50.93	54.00	-3.07	9.44	3	Horizontal	3	1.70	-	41.49	32.00	6.78	29.34
AV	5.204G	104.51	Inf	-Inf	9.23	3	Horizontal	3	1.70	-	95.28	31.77	6.80	29.34
PK	5.15G	67.22	74.00	-6.78	9.44	3	Horizontal	3	1.70	-	57.78	32.00	6.77	29.33
PK	5.2048G	113.84	Inf	-Inf	9.22	3	Horizontal	3	1.70	-	104.62	31.76	6.80	29.34

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5200MHz_TX

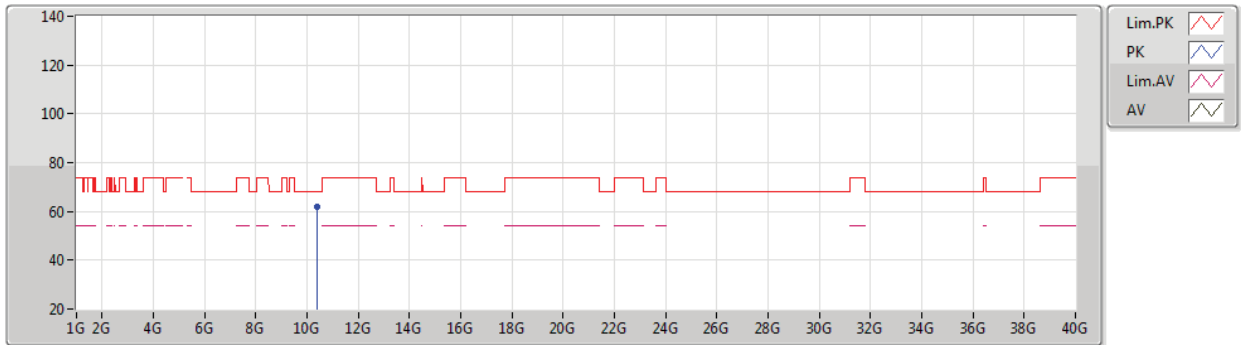


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.39968G	59.21	68.20	-8.99	18.04	3	Vertical	360	2.50	-	41.17	39.60	8.98	30.54

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5200MHz_TX

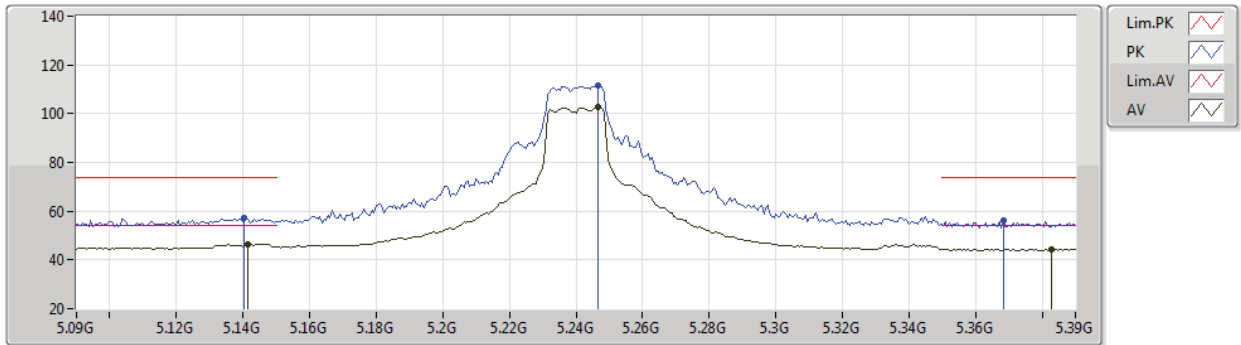


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.39844G	61.87	68.20	-6.33	18.03	3	Horizontal	175	2.40	-	43.84	39.59	8.98	30.54

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5240MHz_TX

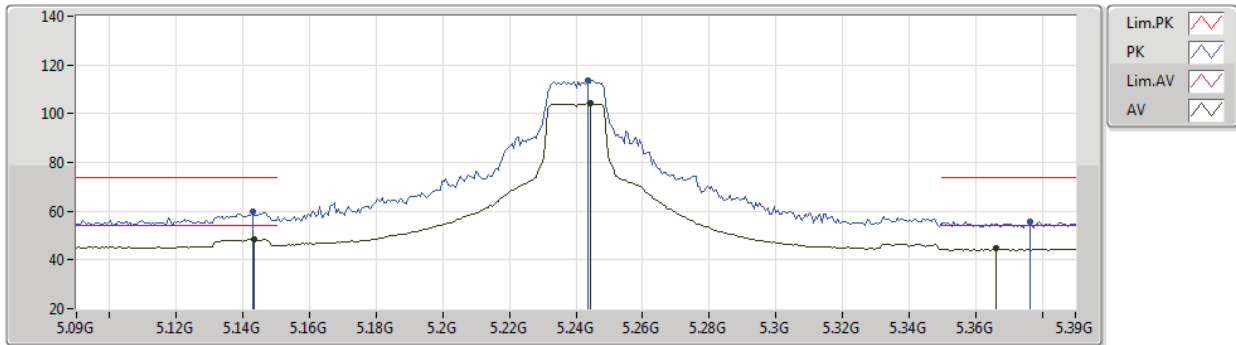


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1416G	46.46	54.00	-7.54	9.42	3	Vertical	321	1.76	-	37.04	31.98	6.77	29.33
AV	5.2466G	102.71	Inf	-Inf	8.89	3	Vertical	321	1.76	-	93.82	31.43	6.80	29.34
AV	5.3828G	44.49	54.00	-9.51	8.80	3	Vertical	321	1.76	-	35.69	31.36	6.80	29.36
PK	5.1404G	57.12	74.00	-16.88	9.42	3	Vertical	321	1.76	-	47.70	31.98	6.77	29.33
PK	5.2466G	111.77	Inf	-Inf	8.89	3	Vertical	321	1.76	-	102.88	31.43	6.80	29.34
PK	5.3684G	56.33	74.00	-17.67	8.69	3	Vertical	321	1.76	-	47.64	31.25	6.80	29.36

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5240MHz_TX

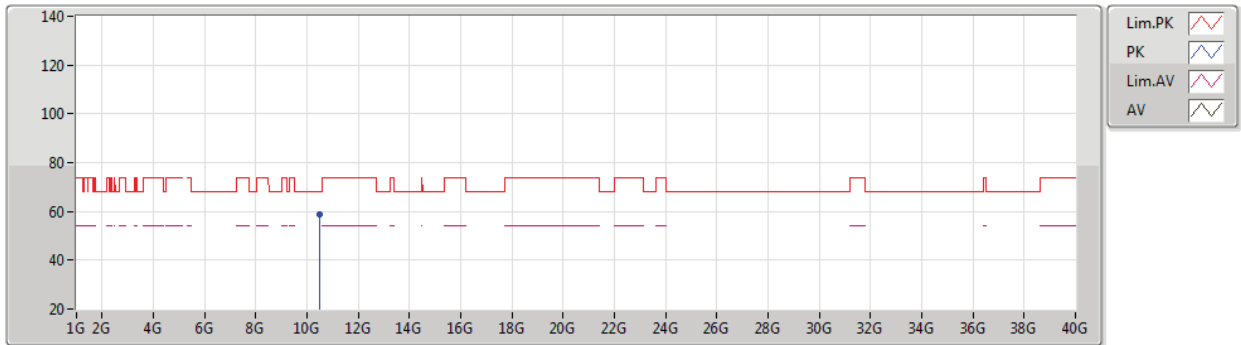


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1434G	48.52	54.00	-5.48	9.43	3	Horizontal	3	1.82	-	39.09	31.99	6.77	29.33
AV	5.2442G	104.27	Inf	-Inf	8.91	3	Horizontal	3	1.82	-	95.36	31.45	6.80	29.34
AV	5.366G	44.59	54.00	-9.41	8.67	3	Horizontal	3	1.82	-	35.92	31.23	6.80	29.36
PK	5.1428G	59.75	74.00	-14.25	9.43	3	Horizontal	3	1.82	-	50.32	31.99	6.77	29.33
PK	5.2436G	113.56	Inf	-Inf	8.91	3	Horizontal	3	1.82	-	104.65	31.45	6.80	29.34
PK	5.3762G	55.89	74.00	-18.11	8.75	3	Horizontal	3	1.82	-	47.14	31.31	6.80	29.36

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5240MHz_TX

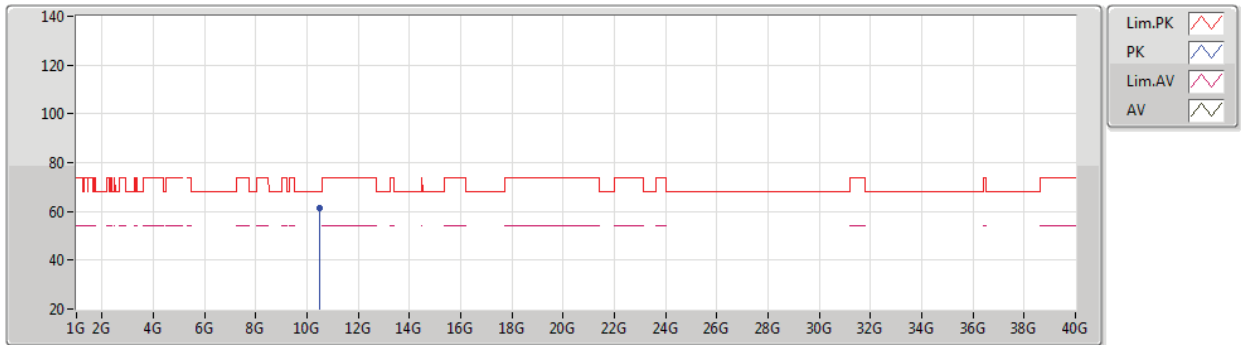


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.48348G	58.55	68.20	-9.65	18.13	3	Vertical	357	2.42	-	40.42	39.68	9.02	30.57

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5240MHz_TX

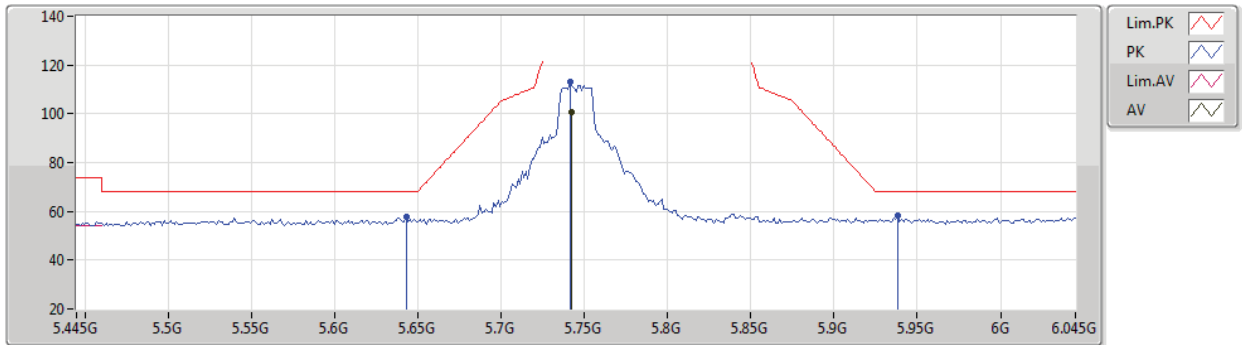


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.48332G	61.54	68.20	-6.66	18.13	3	Horizontal	177	2.34	-	43.41	39.68	9.02	30.57

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5745MHz_TX

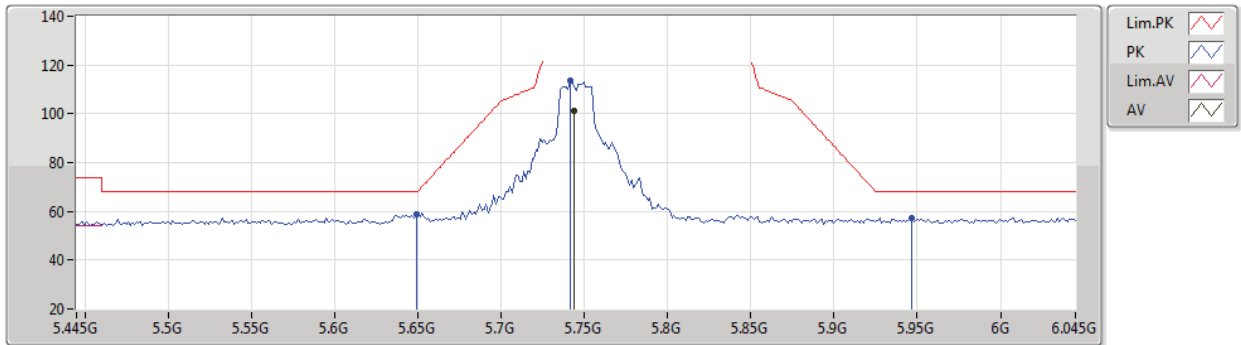


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7426G	100.85	Inf	-Inf	9.60	3	Vertical	343	2.95	-	91.25	31.99	6.97	29.36
PK	5.643G	57.60	68.20	-10.60	9.29	3	Vertical	343	2.95	-	48.31	31.73	6.92	29.36
PK	5.7414G	113.09	Inf	-Inf	9.59	3	Vertical	343	2.95	-	103.50	31.98	6.97	29.36
PK	5.9382G	58.37	68.20	-9.83	10.07	3	Vertical	343	2.95	-	48.30	32.35	7.07	29.35

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5745MHz_TX

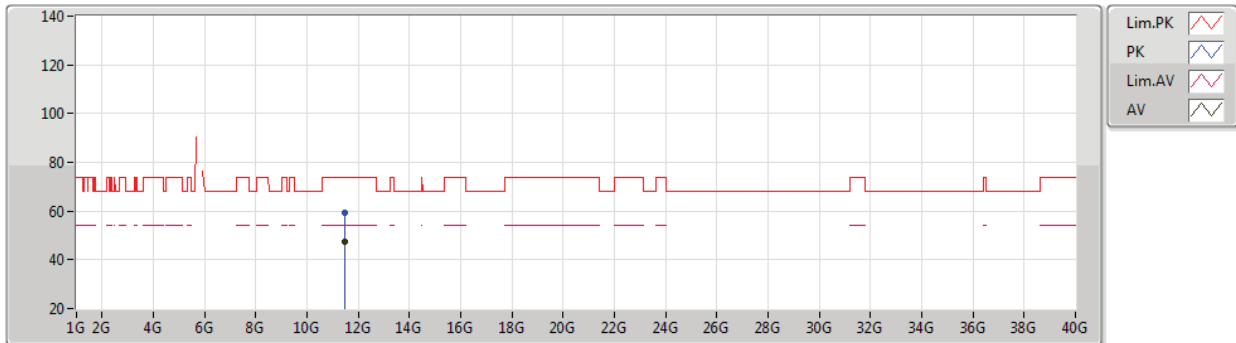


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7438G	101.45	Inf	-Inf	9.60	3	Horizontal	18	1.85	-	91.85	31.99	6.97	29.36
PK	5.649G	58.81	68.20	-9.39	9.26	3	Horizontal	18	1.85	-	49.55	31.70	6.92	29.36
PK	5.7414G	113.45	Inf	-Inf	9.59	3	Horizontal	18	1.85	-	103.86	31.98	6.97	29.36
PK	5.9466G	57.41	68.20	-10.79	10.11	3	Horizontal	18	1.85	-	47.30	32.39	7.07	29.35

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5745MHz_TX

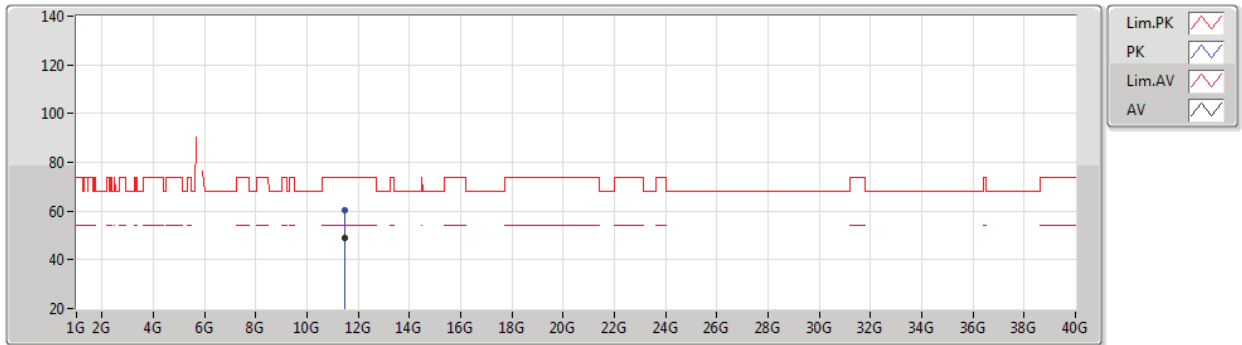


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.48852G	47.29	54.00	-6.71	18.69	3	Vertical	357	1.77	-	28.60	39.99	9.47	30.77
PK	11.49144G	59.53	74.00	-14.47	18.69	3	Vertical	357	1.77	-	40.84	39.99	9.47	30.77

802.11a_Nss1,(6Mbps)_2TX

11/08/2020

5745MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.48852G	48.71	54.00	-5.29	18.69	3	Horizontal	104	2.01	-	30.02	39.99	9.47	30.77
PK	11.48628G	60.24	74.00	-13.76	18.69	3	Horizontal	104	2.01	-	41.55	39.99	9.47	30.77