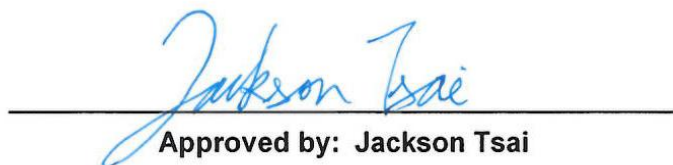


FCC Radio Test Report

Contains FCC ID : RI7LN920
FCC ID : UDX-600173020
Equipment : Z4C Teleworker Gateway
Brand Name : CISCO
Model Name : Z4C-HW
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 25, 2024, and testing was started from Nov. 05, 2024 and completed on Nov. 19, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua 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 variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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[illegible]

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: Barry Hsiao

Report Producer: Debby Hung

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]

Non-Beamforming

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11a	20	2TX
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.25-5.35GHz	802.11ax HEW80	80	2TX
5.47-5.725GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX

Beamforming

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11ax HEW20-BF	20	2TX
5.25-5.35GHz	802.11ax HEW20-BF	20	2TX
5.47-5.725GHz	802.11ax HEW20-BF	20	2TX
5.725-5.85GHz	802.11ax HEW20-BF	20	2TX
5.15-5.25GHz	802.11ax HEW40-BF	40	2TX
5.25-5.35GHz	802.11ax HEW40-BF	40	2TX
5.47-5.725GHz	802.11ax HEW40-BF	40	2TX
5.725-5.85GHz	802.11ax HEW40-BF	40	2TX
5.15-5.25GHz	802.11ax HEW80-BF	80	2TX
5.25-5.35GHz	802.11ax HEW80-BF	80	2TX
5.47-5.725GHz	802.11ax HEW80-BF	80	2TX
5.725-5.85GHz	802.11ax HEW80-BF	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.
- ♦ Evaluated HEW20/HEW40/HEW80 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	SERCOMM	6172005ZWA	PIFA	I-Pex	2.4G+5G
2	SERCOMM	61720060WA	PIFA	I-Pex	2.4G+5G
3	AWAN	7102A0563000	Dipole	Reverse SMA	WWAN
4	AWAN	7102A0563000	Dipole	Reverse SMA	WWAN

Ant.	Port	Gain (dBi)	
		2.4G	5G
1	1	3.3	5.4
2	2	3.4	4.3

Ant.	Port	Gain (dBi)						
		LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 13	LTE Band 14
3	1	3.78	3.19	2.08	2.75	1.3	1.8	1.8
4	2	2.53	3.16	-0.77	2.96	0.2	-1.7	-1.7

Ant.	Port	Gain (dBi)							
		LTE Band 17	LTE Band 25	LTE Band 26	LTE Band 30	LTE Band 66	LTE Band 71	LTE Band 38	LTE Band 41
3	1	1.3	3.78	2.08	2.57	3.19	1.83	2.64	3.17
4	2	0.2	2.53	-0.77	2.24	3.16	2.06	2.83	2.96

Note 1: The EUT has four antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For WWAN 4G function (1TX/2RX):

Ant. 3 (port 1) and Ant. 4 (port 2) could transmit/receive simultaneously.

Note 2: Directional gain information

	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
EUT Function	☐ Outdoor AP	☒ Indoor AP	
	☐ Fixed P2P AP	☐ Client	
Beamforming Function	☒ With beamforming	☐ Without beamforming	
TPC Function	☒ With TPC Function	☐ Without TPC Function	
Weather Band	☒ With 5600~5650MHz	☐ Without 5600~5650MHz	
Resource Unit	☒ Full RU	☐ Partial RU	
	☐ MRU(static preamble puncturing)	☐ MRU(dynamic preamble puncturing)	
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 Permissive Change

This product is an extension of original one reported under Sporton project number: FR350604-01AN.

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Wi-Fi antenna optimize and layout change due to the modification of Wi-Fi antenna.	All RF test items

**1.1.5 Mode Test Duty Cycle****Non-Beamforming**

Mode	DC	DCF	T	VBW
		(dB)	(s)	(Hz)_1/T
802.11a_Nss1,(6Mbps)_2TX	0.949	0.23	1.977m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.776	1.1	5.446m	200
802.11ax HEW40_Nss1,(MCS0)_2TX	0.801	0.96	5.446m	200
802.11ax HEW80_Nss1,(MCS0)_2TX	0.82	0.86	5.446m	200

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

Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.776	1.1	5.446m	200
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.801	0.96	5.446m	200
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.82	0.86	5.446m	200

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

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CON04-HY	Rian Chung	21.1~23.2°C / 54~58%	08/Nov/2024
Radiated (TX)	03CH03-HY	Jack Tang	20.1~20.8°C / 56~60%	08/Nov/2024
Radiated (Co-location)	03CH02-HY	Vasari Huang	21.3~22.1°C / 54~57%	19/Nov/2024
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0008 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Johnny Yu	23.4~23.9°C / 52~55%	07/Nov/2024~12/Nov/2024
Radiated (TX Above 1G)	03CH24-HY	Andy Wang	20.4~21.3°C / 57~61%	05/Nov/2024~07/Nov/2024

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
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Emission Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Unwanted Emissions	4.8 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 Channel Mode

Test Software Version	Qdart_conn.win,1.0_installer_00081.1
-----------------------	--------------------------------------

Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	17.5
5300MHz	17.5
5320MHz	19
5500MHz	19
5580MHz	19
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
5745MHz	20
5785MHz	20
5825MHz	20
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	19
5300MHz	19
5320MHz	19.5
5500MHz	19.5
5580MHz	19
5700MHz	19.5
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
5745MHz	20
5785MHz	20
5825MHz	20
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	17
5230MHz	20
5270MHz	20
5310MHz	19



5510MHz	19
5550MHz	20
5670MHz	20
5710MHz Straddle 5.47-5.725GHz	20
5710MHz Straddle 5.725-5.85GHz	20
5755MHz	20
5795MHz	20
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	13.5
5290MHz	16.5
5530MHz	18
5610MHz	19
5690MHz Straddle 5.47-5.725GHz	20
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	19.5

Beamforming

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	20
5200MHz	20
5240MHz	20
5260MHz	19
5300MHz	19
5320MHz	19.5
5500MHz	19.5
5580MHz	19
5700MHz	19.5
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
5745MHz	20
5785MHz	20
5825MHz	20
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	17
5230MHz	20
5270MHz	19
5310MHz	19
5510MHz	19
5550MHz	20
5670MHz	20
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5



5755MHz	20
5795MHz	20
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	13.5
5290MHz	16.5
5530MHz	18
5610MHz	19
5690MHz Straddle 5.47-5.725GHz	20
5690MHz Straddle 5.725-5.85GHz	20
5775MHz	19.5

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
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	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	2.4G+5G+LTE
Refer to Sporton Test Report No.: FA4O2509 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
AC Adapter 1	Brand Name	FSP	Model Name	FSP050-DWAA1
	Power Rating	I/P: 100 - 240 Vac, 1.6 A ,50/60Hz, O/P: 54.0 Vdc, 0.93 A,50 W		
	DC Power Cable	1.5 meter, non-shielded cable, with ferrite core		
AC Adapter 2	Brand Name	UMEC	Model Name	UP0451H-54PP
	Power Rating	I/P: 100 - 240 Vac, 2A ,50/60Hz, O/P: 54.0 Vdc, 0.92 A,50 W		
	DC Power Cable	1.5 meter, non-shielded cable, w/o ferrite core		
AC Adapter 3	Brand Name	LITEON	Model Name	PA-1500-54C1
	Power Rating	I/P: 100 - 240 Vac 50/60 Hz, 1.5 A, O/P: 54.0 Vdc, 0.925 A 50W		
	DC Power Cable	1.5 meter, non-shielded cable, w/o ferrite core		
RJ45 Cable	Brand Name	NIENYI	Model Name	PLUG RJ45 8P8C 1000mm BLACK CAT.5E Patch Cord LFP
	Category	Cat5e	In/Out door	Indoor
	Signal line	1.0 meter, non-shielded cable		

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

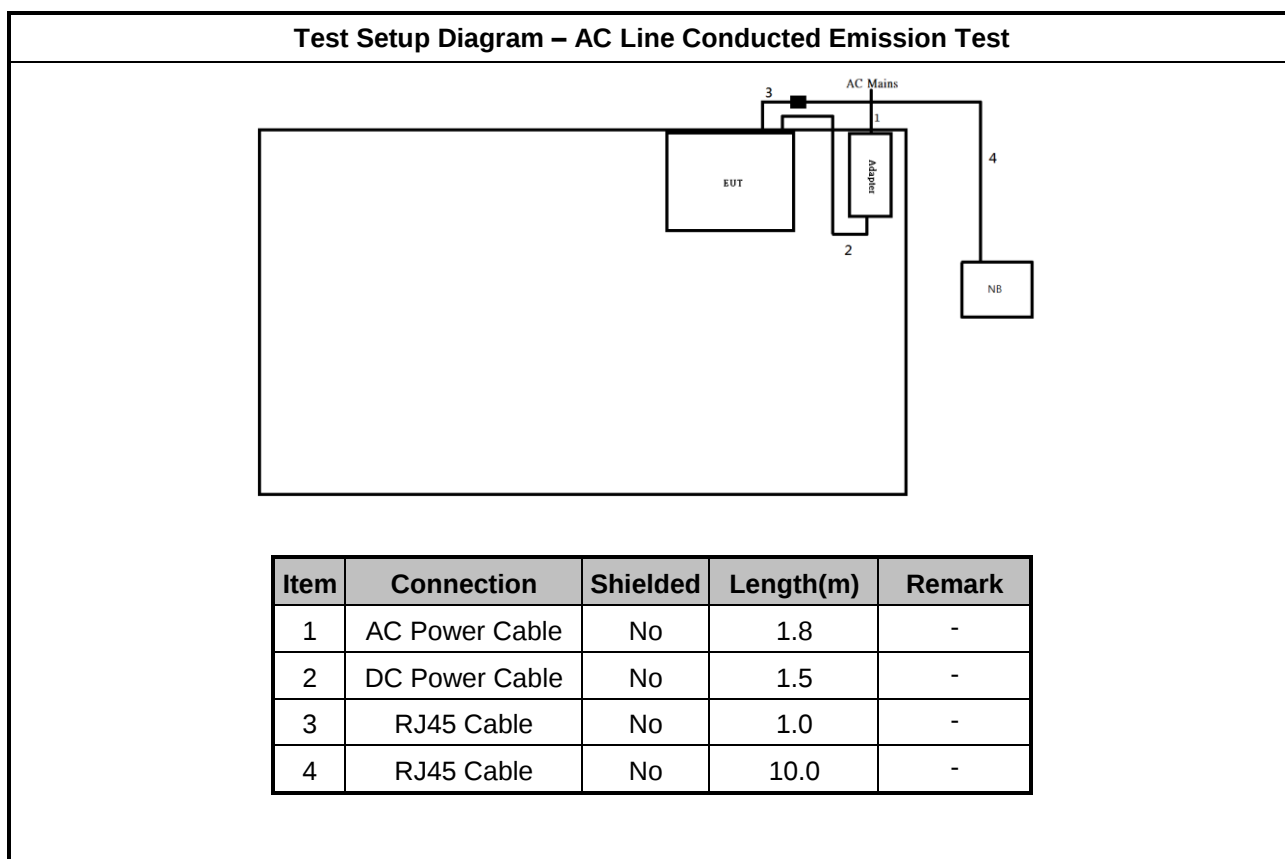
2.4 Support Equipment

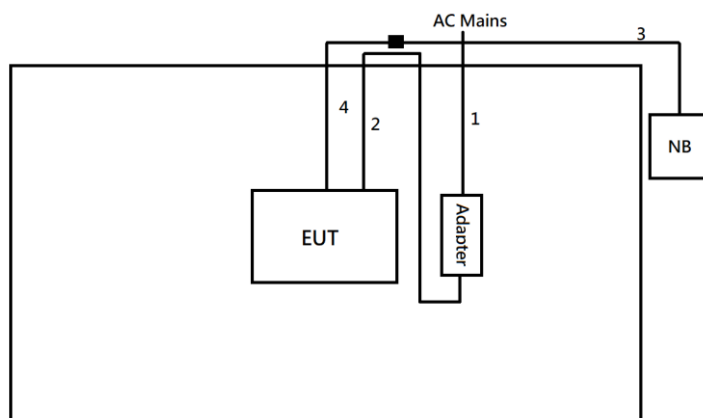
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	Powersync	TPCMRN0018	-	-
2	RJ45 Cable	Powersync	CAT-6E-10	-	-
3	Notebook	DELL	Latitude 7290	-	Remote

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	Powersync	TPCMRN0018	-	-
2	RJ45 Cable	Powersync	CAT-6E-10	-	-
3	Notebook	DELL	Latitude 7290	-	Remote

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	RJ45 Cable	No	10.0	-
4	RJ45 Cable	No	1.0	-

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

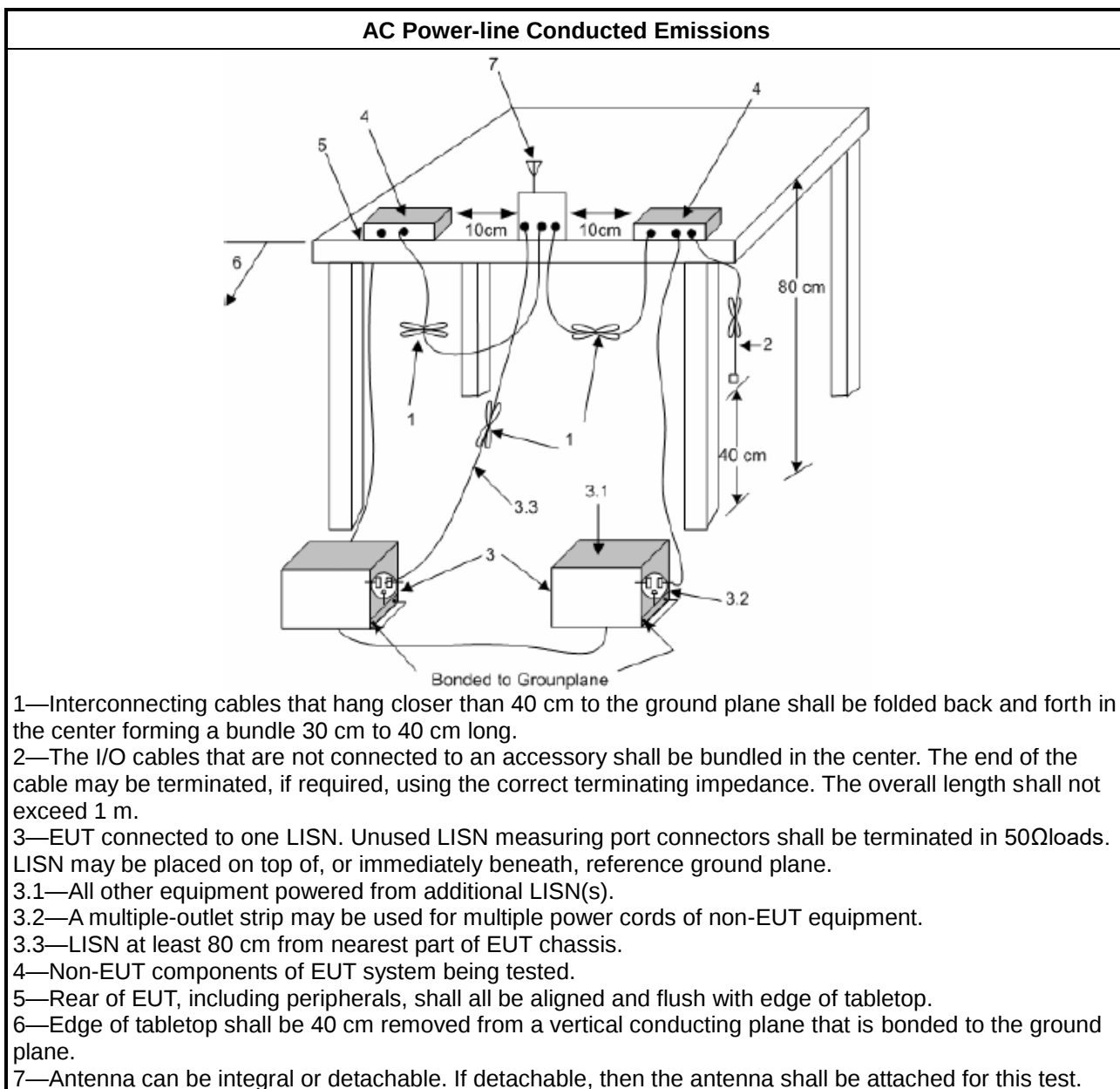
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

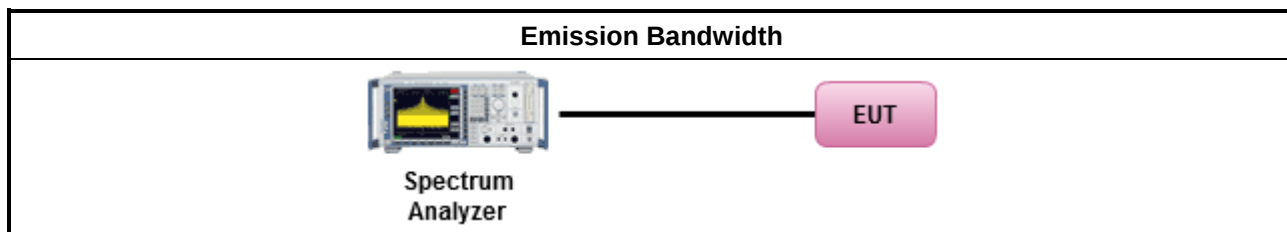
3.2.2 Measuring Instruments

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 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 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 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 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 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 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 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 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

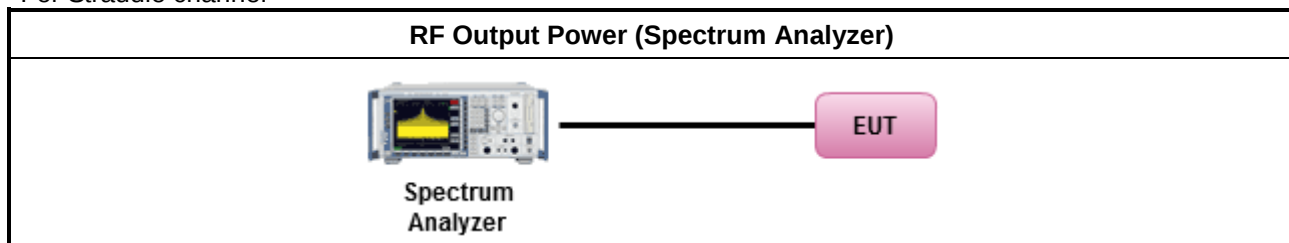
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

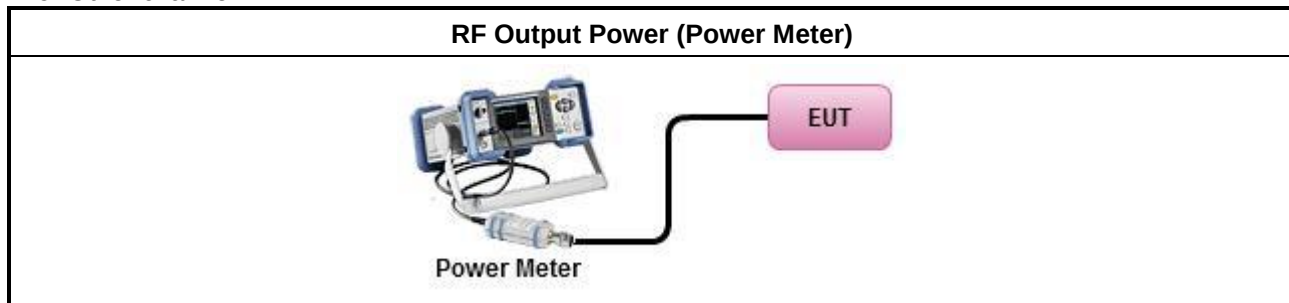
Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods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

3.3.4 Test Setup

For Straddle channel



For Other channel



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 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 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 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$.
☐	Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒	For the 5.725-5.85 GHz band:
☐	Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
☐	Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

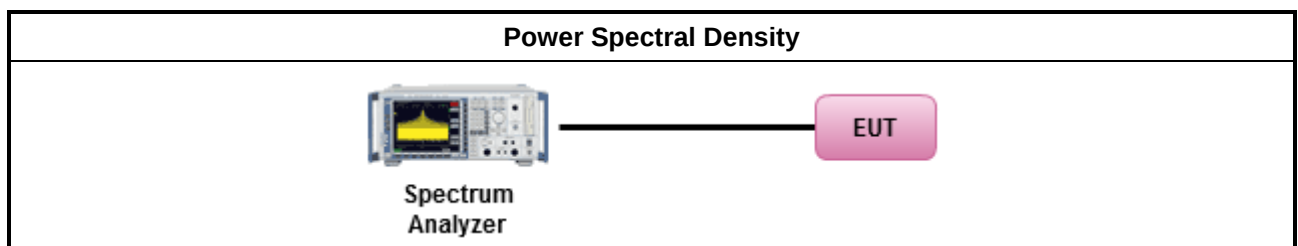
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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.	

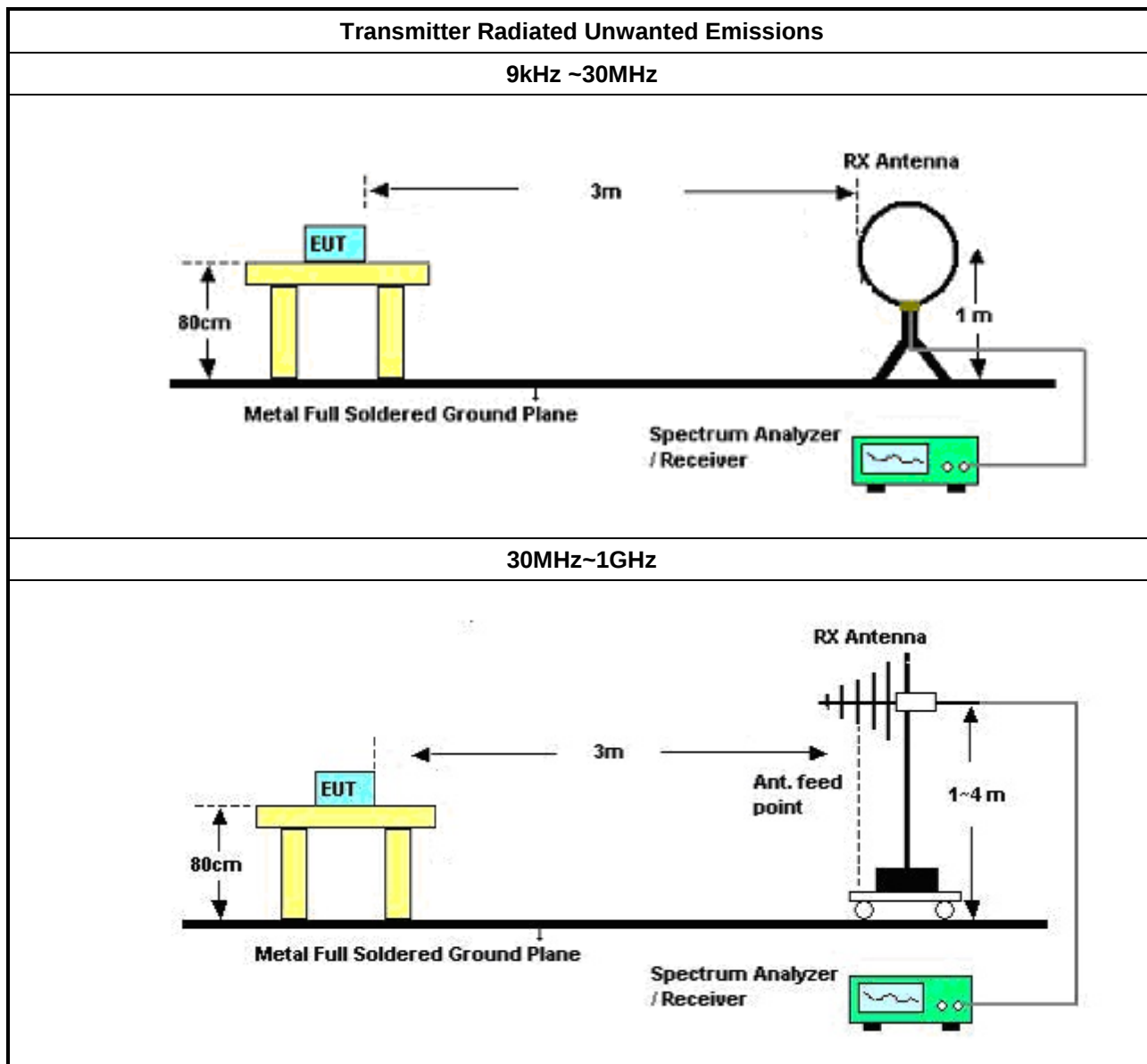
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber 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.

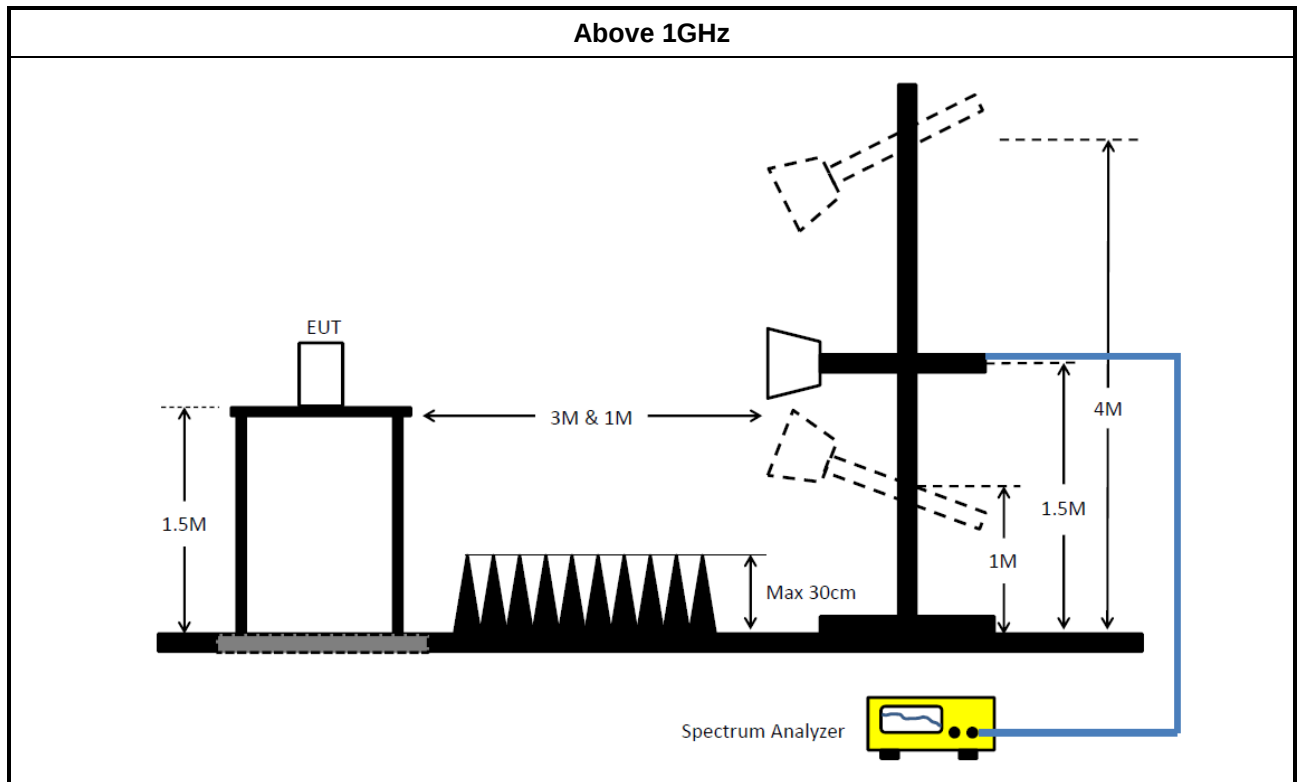
3.5.4 Measurement Results Calculation

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 /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	17/May/2024	16/May/2025
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	101274	9kHz ~ 30MHz	18/Jun/2024	17/Jun/2025
LISN(Artificial Mains Network)	SCHWARZBECK	NSLK 8127	8127477	9kHz ~ 30MHz	12/Apr/2024	11/Apr/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	27/Feb/2024	26/Feb/2025
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	17/Oct/2024	16/Oct/2025
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	28/Oct/2024	27/Oct/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	01/Apr/2024	31/Mar/2025
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	02/Apr/2024	01/Apr/2025
SENSE-15407_NII	Sporton	V5.11.20	N/A	N/A	N/A	N/A

Instrument for Radiated Test_03CH24-HY

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	1GHz~18GHz 3m	30/Jul/2024	29/Jul/2025
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101345	10Hz~44GHz	27/Aug/2024	26/Aug/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02744	1GHz~18GHz	15/Aug/2024	14/Aug/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	05/Jun/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	03CH24-CABLE-01	1GHz~40GHz	01/Oct/2024	30/Sep/2025
Amplifier	EM	EM01G18G	060870	1GHz ~18GHz	12/Aug/2024	11/Aug/2025
Microwave Prempplier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	19/Apr/2024	18/Apr/2025
SENSE-15407-NII	Sporton	V5.11.20	NA	NA	NA	NA

Instrument for Radiated Test_03CH03-HY

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	14/Jul/2024	13/Jul/2025
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	14/Jul/2024	13/Jul/2025
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	03/May/2024	02/May/2025
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	01/Nov/2024	31/Oct/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	14/Oct/2024	13/Oct/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz~18GHz	18/Oct/2024	17/Oct/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	04/Jun/2024	03/Jun/2025
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	12/Jun/2024	11/Jun/2025
RF Cable-R03m	Jye Bao	RG142	03CH03-cable-02	30MHz~1GHz	12/Jun/2024	11/Jun/2025
RF CABLE 5+8m	HUBER+SUHNE R	SUOFLEX_104	03CH03-cable-03	1GHz~40GHz	20/Feb/2024	19/Feb/2025
Amplifier	Aglient	8447D	2944A08033	100kHz~1.3GHz	13/Sep/2024	12/Sep/2025
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	25/Jul/2024	24/Jul/2025
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	19/Apr/2024	18/Apr/2025
SENSE-15407-NII	Sporton	V5.11.20	NA	NA	NA	NA

Instrument for Radiated Test_Co-location

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	14/Jul/2024	13/Jul/2025
Signal Analyzer	R&S	FSP 40	100593	9kHz~40GHz	11/Mar/2024	10/Mar/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable-R03m	HUBER+SUHNE R	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	15/Feb/2024	14/Feb/2025
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	19/Apr/2024	18/Apr/2025
SENSE-EMI	Sporton	V5.11.9	N/A	N/A	N/A	N/A



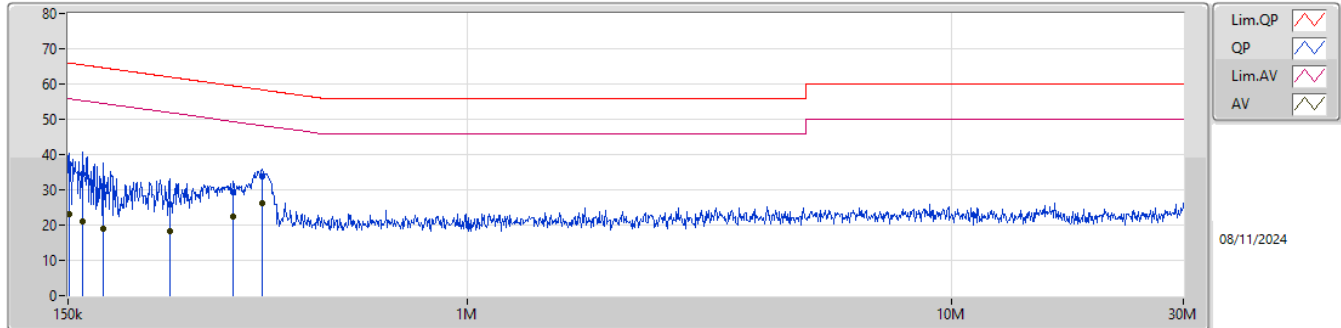
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	378.715k	29.88	48.31	-18.43	Neutral

Result

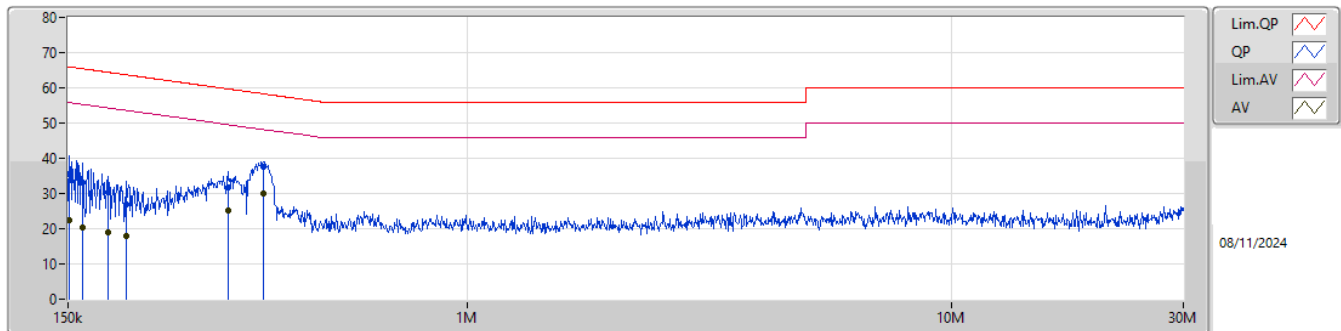
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	151.202k	37.39	65.92	-28.53	Line
Mode 1	Pass	AV	151.202k	22.99	55.92	-32.93	Line
Mode 1	Pass	QP	161.175k	34.48	65.41	-30.93	Line
Mode 1	Pass	AV	161.175k	20.88	55.41	-34.53	Line
Mode 1	Pass	QP	177.381k	31.19	64.60	-33.41	Line
Mode 1	Pass	AV	177.381k	19.06	54.60	-35.54	Line
Mode 1	Pass	QP	243.148k	25.81	61.98	-36.17	Line
Mode 1	Pass	AV	243.148k	18.35	51.98	-33.63	Line
Mode 1	Pass	QP	328.019k	29.18	59.50	-30.32	Line
Mode 1	Pass	AV	328.019k	22.41	49.50	-27.09	Line
Mode 1	Pass	QP	377.206k	33.66	58.33	-24.67	Line
Mode 1	Pass	AV	377.206k	26.19	48.33	-22.14	Line
Mode 1	Pass	QP	150.6k	35.46	65.96	-30.50	Neutral
Mode 1	Pass	AV	150.6k	22.29	55.96	-33.67	Neutral
Mode 1	Pass	QP	161.175k	33.25	65.41	-32.16	Neutral
Mode 1	Pass	AV	161.175k	20.42	55.41	-34.99	Neutral
Mode 1	Pass	QP	180.957k	30.32	64.43	-34.11	Neutral
Mode 1	Pass	AV	180.957k	19.09	54.43	-35.34	Neutral
Mode 1	Pass	QP	197.568k	26.98	63.71	-36.73	Neutral
Mode 1	Pass	AV	197.568k	17.79	53.71	-35.92	Neutral
Mode 1	Pass	QP	320.256k	31.73	59.71	-27.98	Neutral
Mode 1	Pass	AV	320.256k	25.01	49.71	-24.70	Neutral
Mode 1	Pass	QP	378.715k	37.46	58.31	-20.85	Neutral
Mode 1	Pass	AV	378.715k	29.88	48.31	-18.43	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	151.202k	37.39	65.92	-28.53	19.70	Line	-	17.69	9.66	0.07	9.97						
AV	151.202k	22.99	55.92	-32.93	19.70	Line	-	3.29	9.66	0.07	9.97						
QP	161.175k	34.48	65.41	-30.93	19.70	Line	-	14.78	9.66	0.07	9.97						
AV	161.175k	20.88	55.41	-34.53	19.70	Line	-	1.18	9.66	0.07	9.97						
QP	177.381k	31.19	64.60	-33.41	19.70	Line	-	11.49	9.65	0.08	9.97						
AV	177.381k	19.06	54.60	-35.54	19.70	Line	-	-0.64	9.65	0.08	9.97						
QP	243.148k	25.81	61.98	-36.17	19.72	Line	-	6.09	9.65	0.10	9.97						
AV	243.148k	18.35	51.98	-33.63	19.72	Line	-	-1.37	9.65	0.10	9.97						
QP	328.019k	29.18	59.50	-30.32	19.74	Line	-	9.44	9.65	0.11	9.98						
AV	328.019k	22.41	49.50	-27.09	19.74	Line	-	2.67	9.65	0.11	9.98						
QP	377.206k	33.66	58.33	-24.67	19.75	Line	-	13.91	9.65	0.12	9.98						
AV	377.206k	26.19	48.33	-22.14	19.75	Line	-	6.44	9.65	0.12	9.98						

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150.6k	35.46	65.96	-30.50	19.64	Neutral	-	15.82	9.60	0.07	9.97						
AV	150.6k	22.29	55.96	-33.67	19.64	Neutral	-	2.65	9.60	0.07	9.97						
QP	161.175k	33.25	65.41	-32.16	19.64	Neutral	-	13.61	9.60	0.07	9.97						
AV	161.175k	20.42	55.41	-34.99	19.64	Neutral	-	0.78	9.60	0.07	9.97						
QP	180.957k	30.32	64.43	-34.11	19.65	Neutral	-	10.67	9.60	0.08	9.97						
AV	180.957k	19.09	54.43	-35.34	19.65	Neutral	-	-0.56	9.60	0.08	9.97						
QP	197.568k	26.98	63.71	-36.73	19.66	Neutral	-	7.32	9.60	0.09	9.97						
AV	197.568k	17.79	53.71	-35.92	19.66	Neutral	-	-1.87	9.60	0.09	9.97						
QP	320.256k	31.73	59.71	-27.98	19.69	Neutral	-	12.04	9.60	0.11	9.98						
AV	320.256k	25.01	49.71	-24.70	19.69	Neutral	-	5.32	9.60	0.11	9.98						
QP	378.715k	37.46	58.31	-20.85	19.70	Neutral	-	17.76	9.60	0.12	9.98						
AV	378.715k	29.88	48.31	-18.43	19.70	Neutral	-	10.18	9.60	0.12	9.98						

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	19.965M	16.294M	16M3D1D	18.095M	16.25M
802.11ax HEW20_Nss1,(MCS0)_2TX	20.79M	18.816M	18M8D1D	19.855M	18.616M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.49M	37.281M	37M3D1D	38.72M	37.131M
802.11ax HEW80_Nss1,(MCS0)_2TX	79.42M	75.962M	76M0D1D	78.76M	75.362M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.635M	16.338M	16M3D1D	18.205M	16.184M
802.11ax HEW20_Nss1,(MCS0)_2TX	20.625M	18.741M	18M7D1D	19.69M	18.566M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.27M	37.331M	37M3D1D	39.05M	37.131M
802.11ax HEW80_Nss1,(MCS0)_2TX	78.76M	75.862M	75M9D1D	78.54M	75.862M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.02M	16.316M	16M3D1D	14.16M	13.058M
802.11ax HEW20_Nss1,(MCS0)_2TX	20.46M	18.741M	18M7D1D	14.835M	14.243M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.49M	37.331M	37M3D1D	34.44M	33.338M
802.11ax HEW80_Nss1,(MCS0)_2TX	78.76M	75.962M	76M0D1D	74.4M	72.114M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.28M	16.36M	16M4D1D	2.54M	3.538M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.59M	18.816M	18M8D1D	4.44M	4.538M
802.11ax HEW40_Nss1,(MCS0)_2TX	36.3M	37.481M	37M5D1D	4.04M	4.198M
802.11ax HEW80_Nss1,(MCS0)_2TX	69.74M	76.162M	76M2D1D	4.06M	11.294M

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	19.36M	16.272M	18.92M	16.25M
5200MHz	Pass	Inf	18.095M	16.294M	19.965M	16.272M
5240MHz	Pass	Inf	19.14M	16.25M	19.58M	16.272M
5260MHz	Pass	Inf	18.59M	16.184M	19.58M	16.184M
5300MHz	Pass	Inf	19.14M	16.228M	19.635M	16.272M
5320MHz	Pass	Inf	18.205M	16.338M	19.195M	16.294M
5500MHz	Pass	Inf	18.645M	16.272M	20.02M	16.25M
5580MHz	Pass	Inf	19.58M	16.272M	19.36M	16.25M
5700MHz	Pass	Inf	19.415M	16.316M	19.14M	16.272M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.775M	13.058M	14.16M	13.103M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.538M	2.54M	3.678M
5745MHz	Pass	500k	16.06M	16.36M	15.455M	16.272M
5785MHz	Pass	500k	16.28M	16.316M	14.465M	16.36M
5825MHz	Pass	500k	16.28M	16.294M	13.31M	16.206M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.79M	18.616M	20.02M	18.816M
5200MHz	Pass	Inf	20.075M	18.616M	20.13M	18.791M
5240MHz	Pass	Inf	19.965M	18.641M	19.855M	18.641M
5260MHz	Pass	Inf	20.02M	18.666M	20.625M	18.666M
5300MHz	Pass	Inf	20.075M	18.716M	20.405M	18.566M
5320MHz	Pass	Inf	20.24M	18.716M	19.69M	18.741M
5500MHz	Pass	Inf	20.075M	18.666M	19.91M	18.616M
5580MHz	Pass	Inf	19.69M	18.691M	20.35M	18.641M
5700MHz	Pass	Inf	20.46M	18.741M	20.075M	18.741M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.835M	14.393M	15.285M	14.243M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.558M	4.44M	4.538M
5745MHz	Pass	500k	7.7M	18.791M	14.41M	18.741M
5785MHz	Pass	500k	13.805M	18.766M	15.18M	18.816M
5825MHz	Pass	500k	18.59M	18.666M	15.95M	18.566M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	38.72M	37.281M	39.05M	37.131M
5230MHz	Pass	Inf	39.49M	37.281M	39.05M	37.231M
5270MHz	Pass	Inf	39.16M	37.331M	39.05M	37.131M
5310MHz	Pass	Inf	39.05M	37.131M	39.27M	37.281M
5510MHz	Pass	Inf	38.94M	37.181M	38.94M	37.081M
5550MHz	Pass	Inf	39.49M	37.131M	39.38M	37.331M
5670MHz	Pass	Inf	39.49M	36.832M	39.05M	37.181M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.44M	33.338M	34.44M	33.443M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	4.418M	4.08M	4.198M
5755MHz	Pass	500k	33.55M	37.081M	31.46M	37.431M
5795MHz	Pass	500k	34.21M	37.181M	36.3M	37.481M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	78.76M	75.362M	79.42M	75.962M
5290MHz	Pass	Inf	78.76M	75.862M	78.54M	75.862M
5530MHz	Pass	Inf	78.54M	75.862M	78.32M	75.862M
5610MHz	Pass	Inf	78.76M	75.962M	78.76M	75.862M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	74.4M	72.339M	74.775M	72.114M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.08M	16.592M	4.06M	11.294M
5775MHz	Pass	500k	69.74M	76.162M	68.86M	76.062M

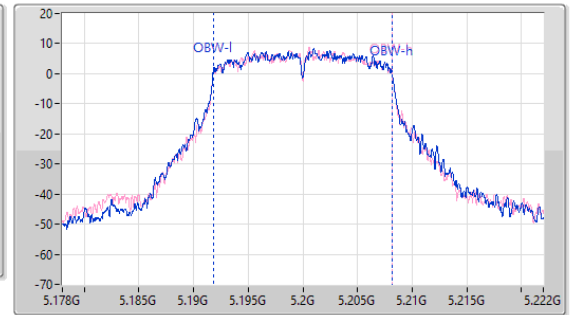
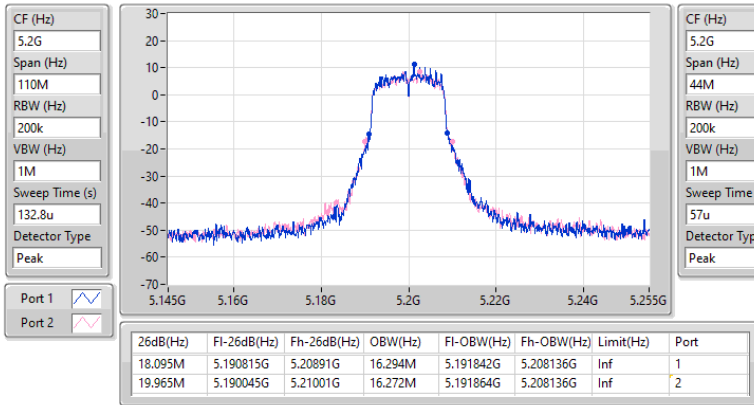
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

07/11/2024

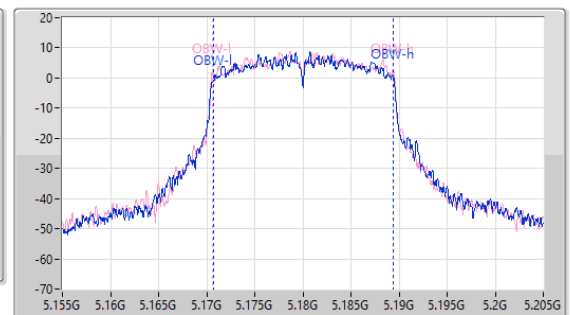
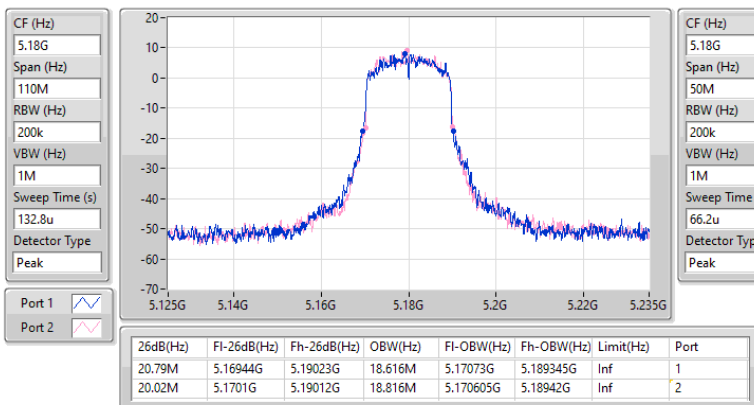


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5180MHz

07/11/2024

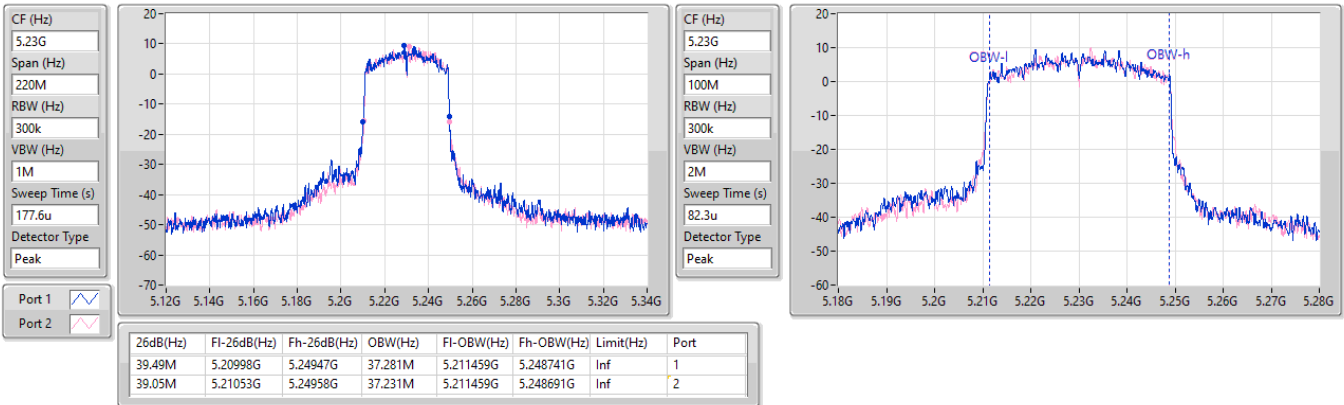


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5230MHz

07/11/2024

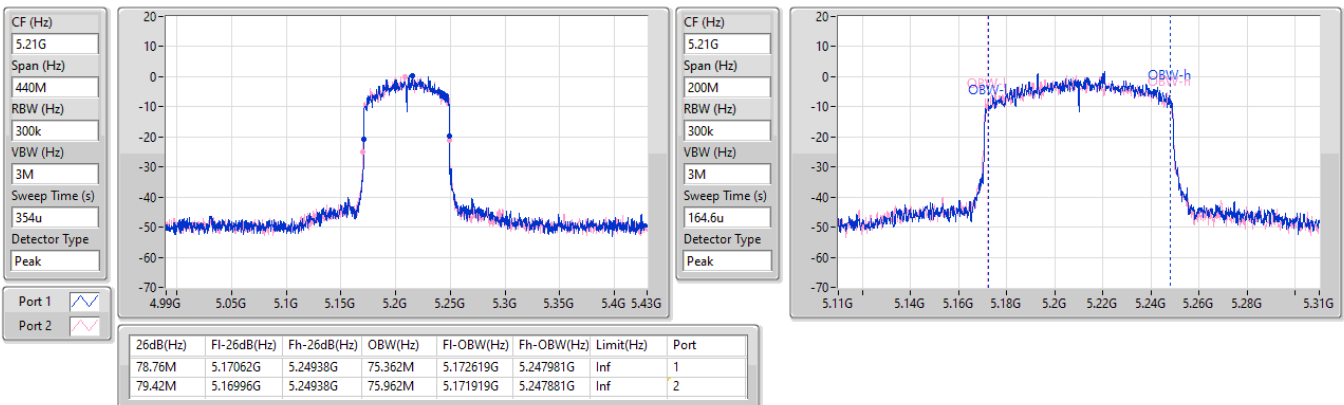


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EBW

5210MHz

07/11/2024

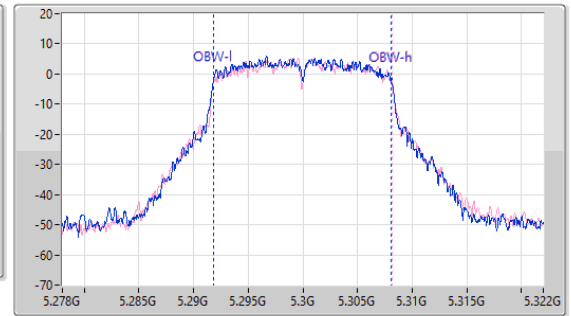
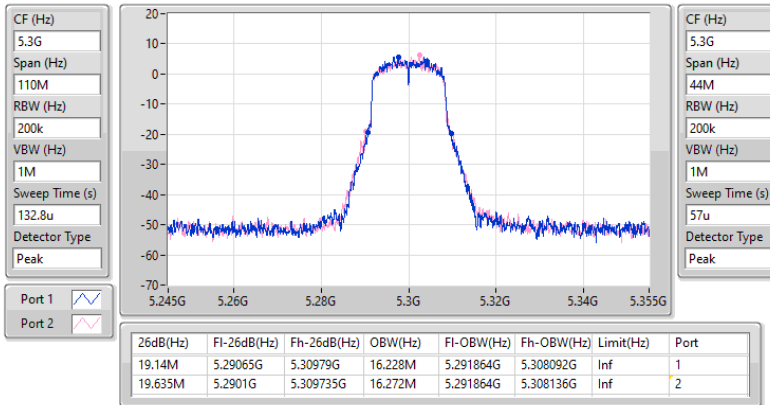


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

07/11/2024

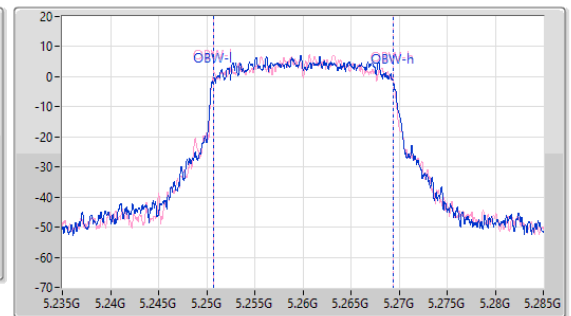
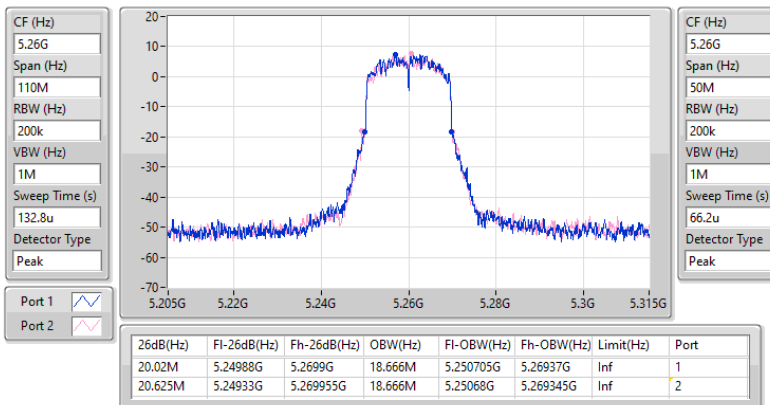


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5260MHz

07/11/2024

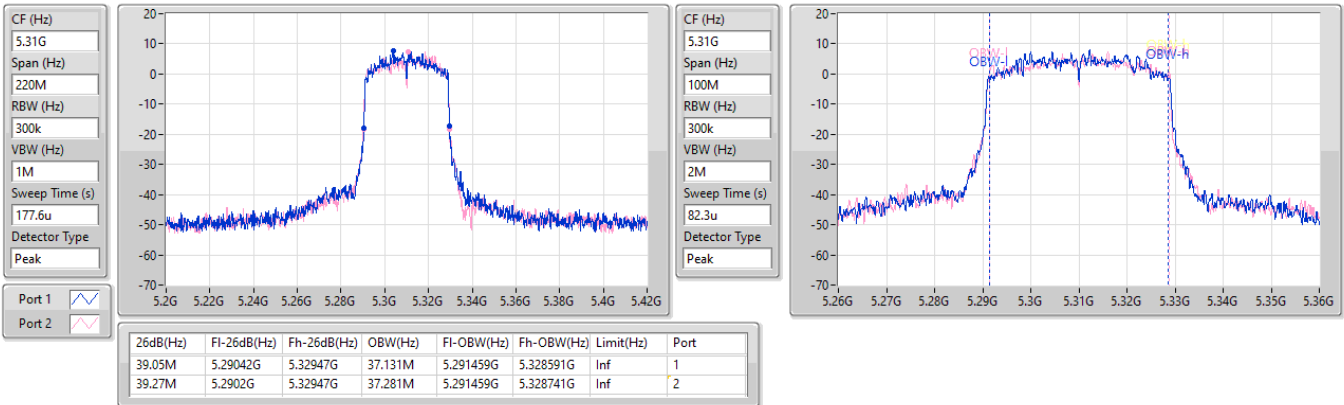


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

07/11/2024

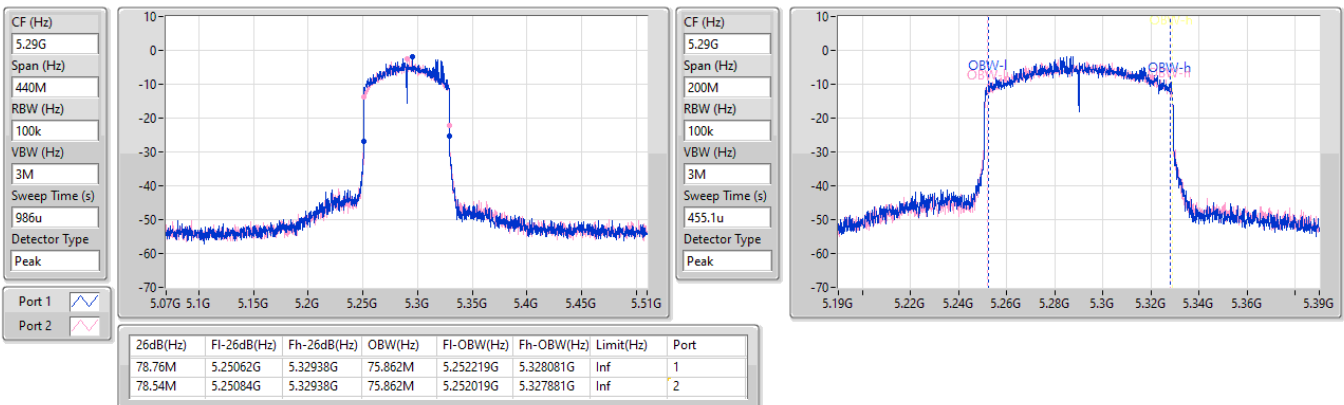


5.25-5.35GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

EBW

5290MHz

07/11/2024

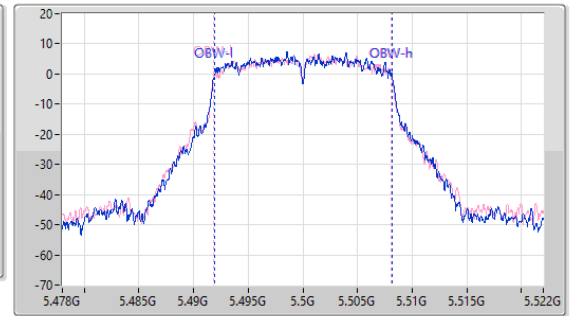
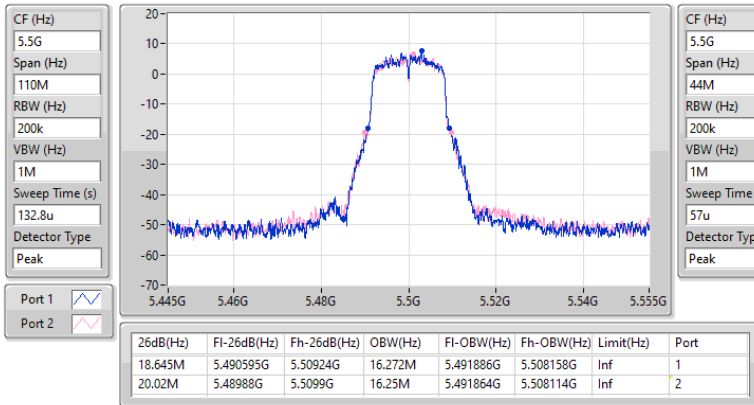


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

07/11/2024

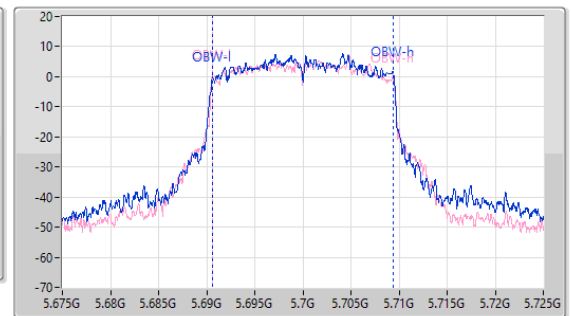
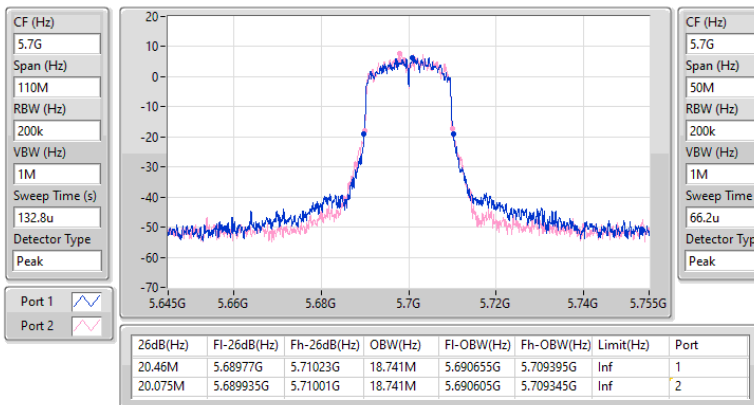


5.47-5.725GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5700MHz

07/11/2024

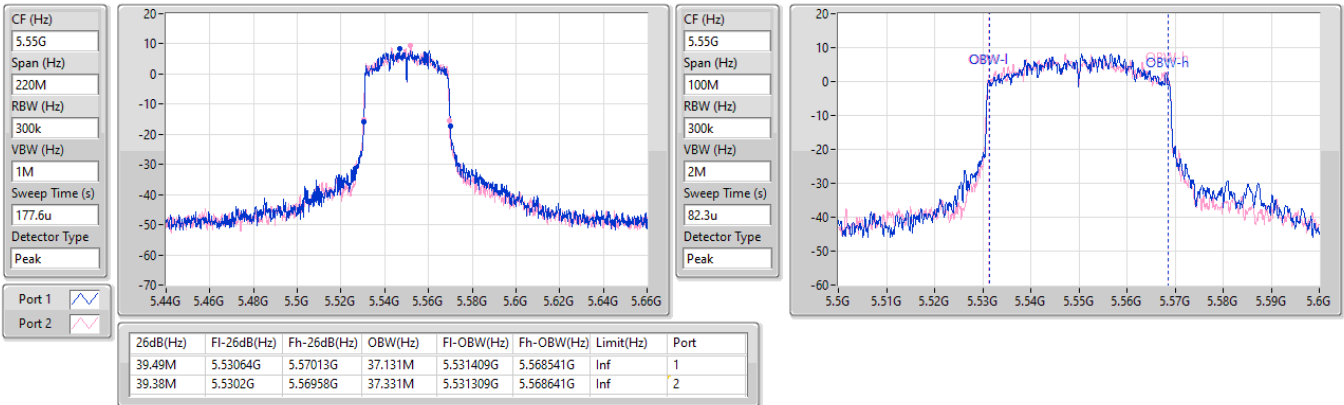


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5550MHz

07/11/2024

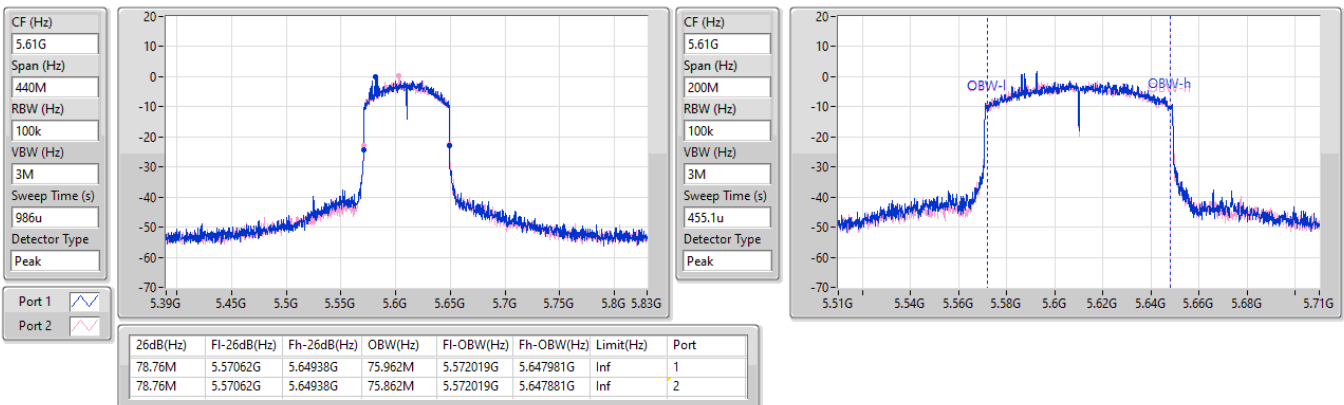


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5610MHz

07/11/2024

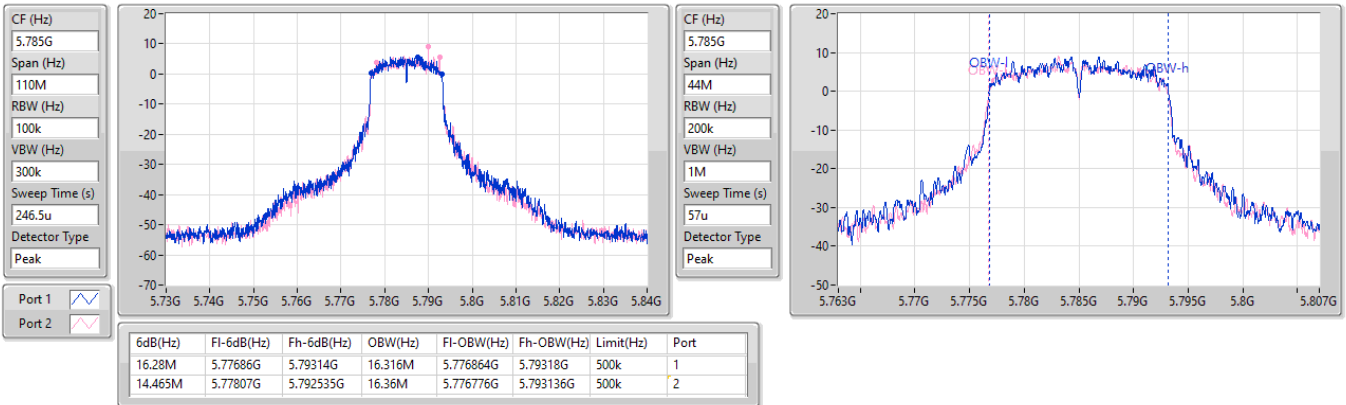


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

07/11/2024

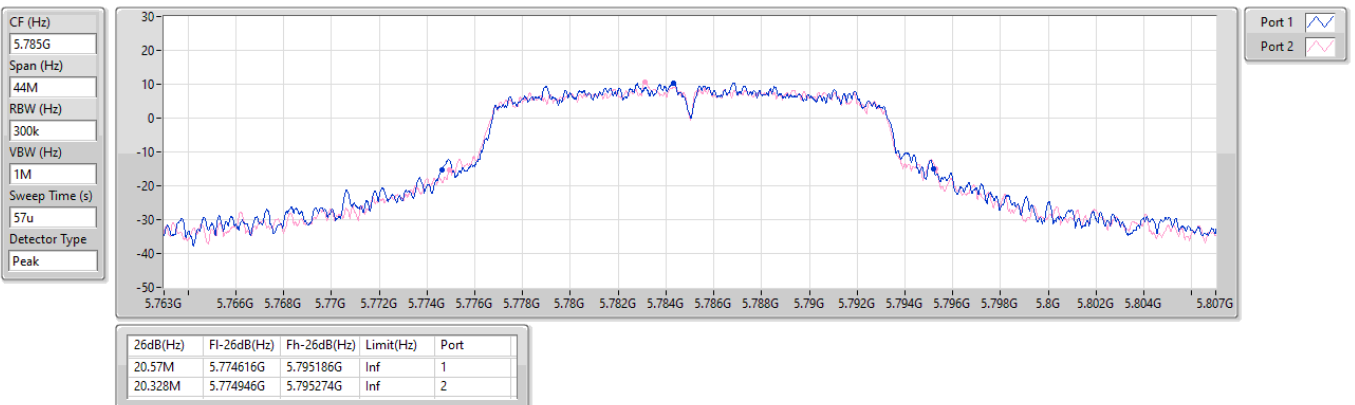


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

07/11/2024

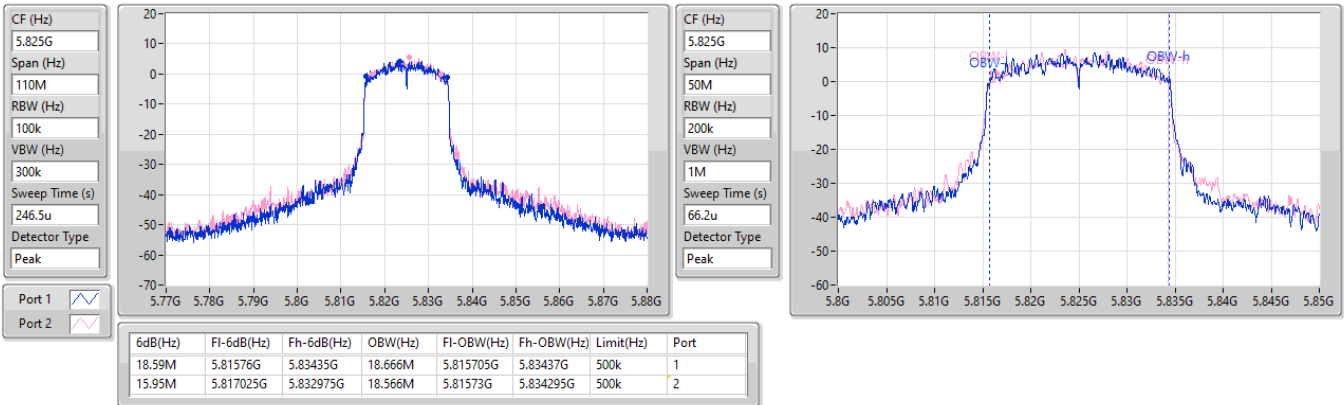


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5825MHz

07/11/2024

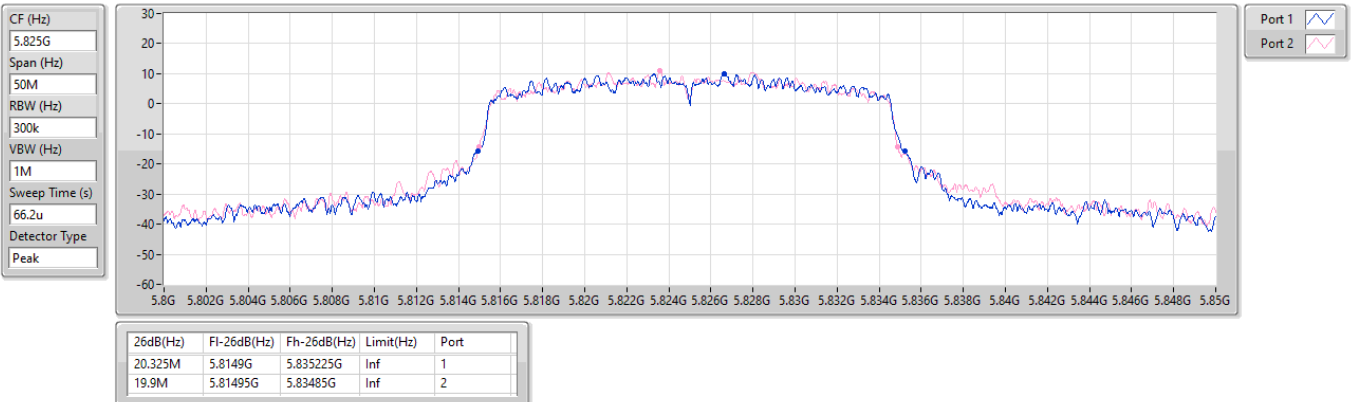


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5825MHz

07/11/2024

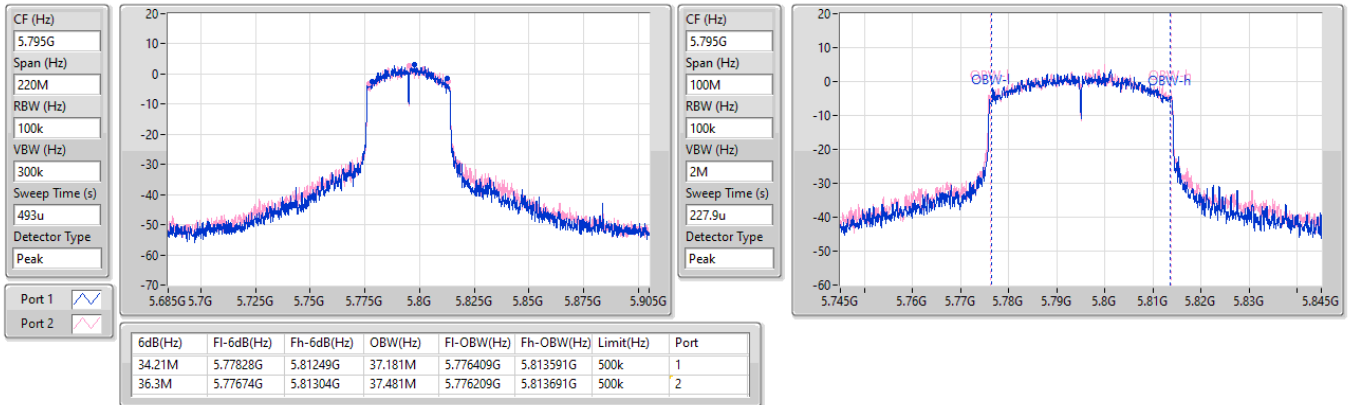


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

07/11/2024

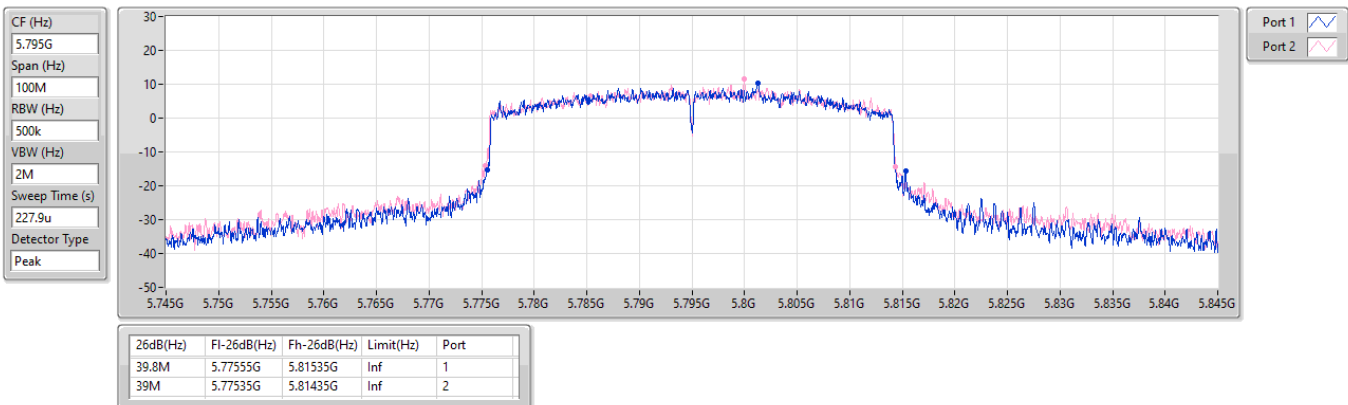


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

07/11/2024

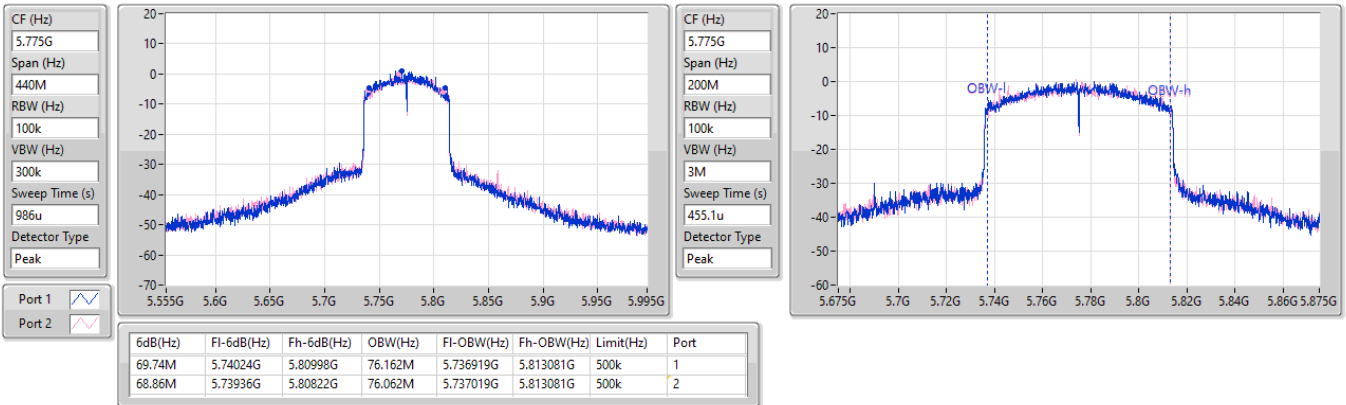


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

07/11/2024

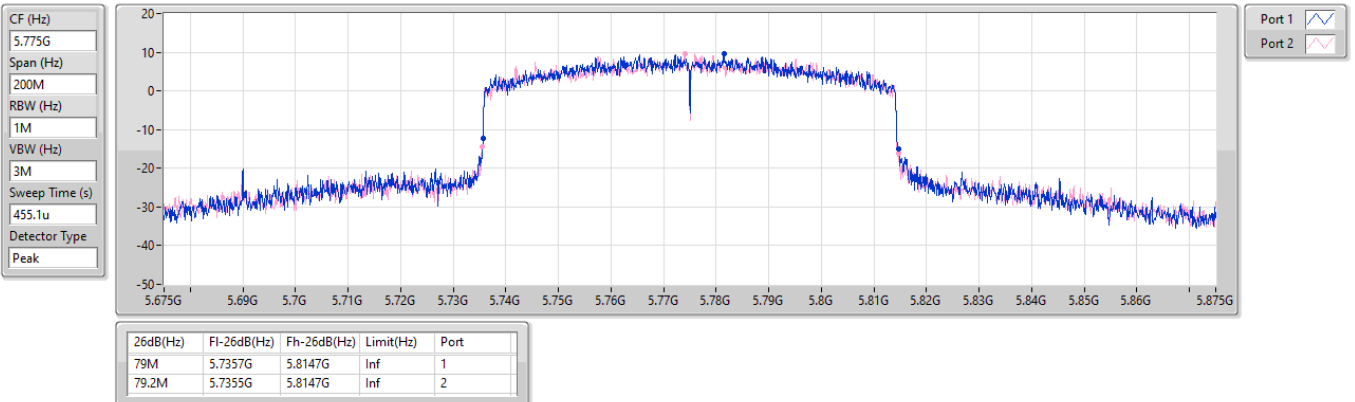


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

07/11/2024



**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.51	0.17824
802.11ax HEW20_Nss1,(MCS0)_2TX	22.56	0.18030
802.11ax HEW40_Nss1,(MCS0)_2TX	22.81	0.19099
802.11ax HEW80_Nss1,(MCS0)_2TX	16.33	0.04295
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.99	0.12560
802.11ax HEW20_Nss1,(MCS0)_2TX	21.11	0.12912
802.11ax HEW40_Nss1,(MCS0)_2TX	22.98	0.19861
802.11ax HEW80_Nss1,(MCS0)_2TX	19.37	0.08650
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.95	0.12445
802.11ax HEW20_Nss1,(MCS0)_2TX	21.03	0.12677
802.11ax HEW40_Nss1,(MCS0)_2TX	22.55	0.17989
802.11ax HEW80_Nss1,(MCS0)_2TX	22.06	0.16069
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.56	0.18030
802.11ax HEW20_Nss1,(MCS0)_2TX	22.19	0.16558
802.11ax HEW40_Nss1,(MCS0)_2TX	22.80	0.19055
802.11ax HEW80_Nss1,(MCS0)_2TX	22.55	0.17989



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.40	18.95	18.92	21.95	30.00
5200MHz	Pass	5.40	19.23	19.16	22.21	30.00
5240MHz	Pass	5.40	19.63	19.37	22.51	30.00
5260MHz	Pass	5.40	17.16	16.86	20.02	23.69
5300MHz	Pass	5.40	16.69	16.63	19.67	23.82
5320MHz	Pass	5.40	18.18	17.78	20.99	23.60
5500MHz	Pass	5.40	17.94	17.81	20.89	23.71
5580MHz	Pass	5.40	18.04	17.84	20.95	23.87
5700MHz	Pass	5.40	17.70	17.28	20.51	23.82
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	16.75	16.52	19.65	22.51
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	9.13	8.95	12.05	30.00
5745MHz	Pass	5.40	19.58	19.09	22.35	30.00
5785MHz	Pass	5.40	19.68	19.41	22.56	30.00
5825MHz	Pass	5.40	19.38	19.64	22.52	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.40	18.52	18.64	21.59	30.00
5200MHz	Pass	5.40	19.42	19.44	22.44	30.00
5240MHz	Pass	5.40	19.66	19.43	22.56	30.00
5260MHz	Pass	5.40	18.21	17.99	21.11	23.98
5300MHz	Pass	5.40	17.88	17.57	20.74	23.98
5320MHz	Pass	5.40	18.10	17.75	20.94	23.94
5500MHz	Pass	5.40	18.07	17.97	21.03	23.98
5580MHz	Pass	5.40	17.91	17.74	20.84	23.94
5700MHz	Pass	5.40	18.00	17.82	20.92	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.40	17.08	16.77	19.94	22.71
5720MHz Straddle 5.725-5.85GHz	Pass	5.40	10.68	10.69	13.70	30.00
5745MHz	Pass	5.40	19.41	18.93	22.19	30.00
5785MHz	Pass	5.40	19.22	19.01	22.13	30.00
5825MHz	Pass	5.40	18.96	19.17	22.08	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.40	16.41	16.47	19.45	30.00
5230MHz	Pass	5.40	19.96	19.63	22.81	30.00
5270MHz	Pass	5.40	20.10	19.83	22.98	23.98
5310MHz	Pass	5.40	18.80	18.46	21.64	23.98
5510MHz	Pass	5.40	18.37	18.32	21.36	23.98
5550MHz	Pass	5.40	18.88	18.85	21.88	23.98
5670MHz	Pass	5.40	18.80	18.53	21.68	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.40	19.73	19.35	22.55	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.40	7.52	7.03	10.29	30.00
5755MHz	Pass	5.40	19.98	19.60	22.80	30.00
5795MHz	Pass	5.40	19.65	19.78	22.73	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	5.40	13.44	13.19	16.33	30.00
5290MHz	Pass	5.40	16.44	16.27	19.37	23.98
5530MHz	Pass	5.40	16.75	16.61	19.69	23.98
5610MHz	Pass	5.40	18.83	18.62	21.74	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.40	19.14	18.96	22.06	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.40	2.72	2.25	5.50	30.00
5775MHz	Pass	5.40	19.68	19.40	22.55	30.00

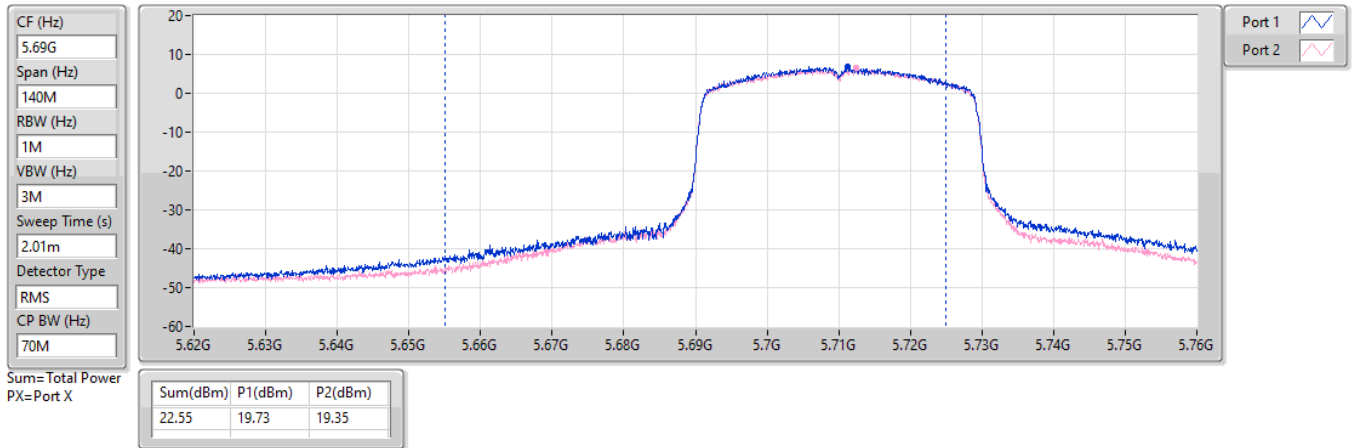
DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

07/11/2024

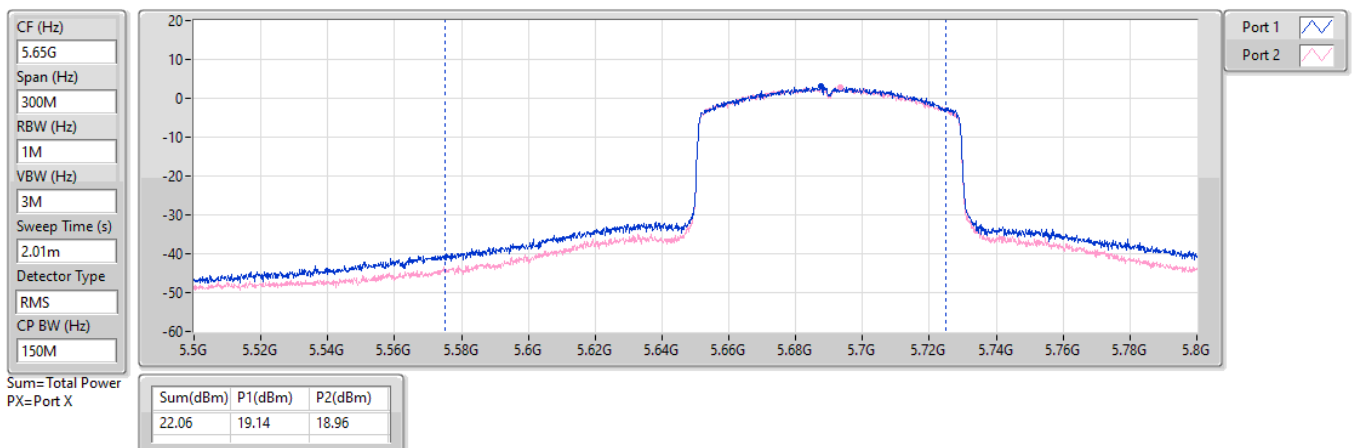


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

07/11/2024



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.56	0.18030
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.81	0.19099
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.33	0.04295
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.11	0.12912
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.86	0.15346
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	19.37	0.08650
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.03	0.12677
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.88	0.15417
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	22.06	0.16069
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.19	0.16558
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.80	0.19055
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	22.55	0.17989

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.88	18.52	18.64	21.59	28.12
5200MHz	Pass	7.88	19.42	19.44	22.44	28.12
5240MHz	Pass	7.88	19.66	19.43	22.56	28.12
5260MHz	Pass	7.88	18.21	17.99	21.11	22.10
5300MHz	Pass	7.88	17.88	17.57	20.74	22.10
5320MHz	Pass	7.88	18.10	17.75	20.94	22.06
5500MHz	Pass	7.88	18.07	17.97	21.03	22.10
5580MHz	Pass	7.88	17.91	17.74	20.84	22.06
5700MHz	Pass	7.88	18.00	17.82	20.92	22.10
5720MHz Straddle 5.47-5.725GHz	Pass	7.88	17.08	16.77	19.94	20.83
5720MHz Straddle 5.725-5.85GHz	Pass	7.88	10.68	10.69	13.70	28.12
5745MHz	Pass	7.88	19.41	18.93	22.19	28.12
5785MHz	Pass	7.88	19.22	19.01	22.13	28.12
5825MHz	Pass	7.88	18.96	19.17	22.08	28.12
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	7.88	16.41	16.47	19.45	28.12
5230MHz	Pass	7.88	19.96	19.63	22.81	28.12
5270MHz	Pass	7.88	18.98	18.72	21.86	22.10
5310MHz	Pass	7.88	18.80	18.46	21.64	22.10
5510MHz	Pass	7.88	18.37	18.32	21.36	22.10
5550MHz	Pass	7.88	18.88	18.85	21.88	22.10
5670MHz	Pass	7.88	18.80	18.53	21.68	22.10
5710MHz Straddle 5.47-5.725GHz	Pass	7.88	19.09	18.54	21.83	22.10
5710MHz Straddle 5.725-5.85GHz	Pass	7.88	8.61	8.59	11.61	28.12
5755MHz	Pass	7.88	19.98	19.60	22.80	28.12
5795MHz	Pass	7.88	19.65	19.78	22.73	28.12
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	7.88	13.44	13.19	16.33	28.12
5290MHz	Pass	7.88	16.44	16.27	19.37	22.10
5530MHz	Pass	7.88	16.75	16.61	19.69	22.10
5610MHz	Pass	7.88	18.83	18.62	21.74	22.10
5690MHz Straddle 5.47-5.725GHz	Pass	7.88	19.14	18.96	22.06	22.10
5690MHz Straddle 5.725-5.85GHz	Pass	7.88	2.72	2.25	5.50	28.12
5775MHz	Pass	7.88	19.68	19.40	22.55	28.12

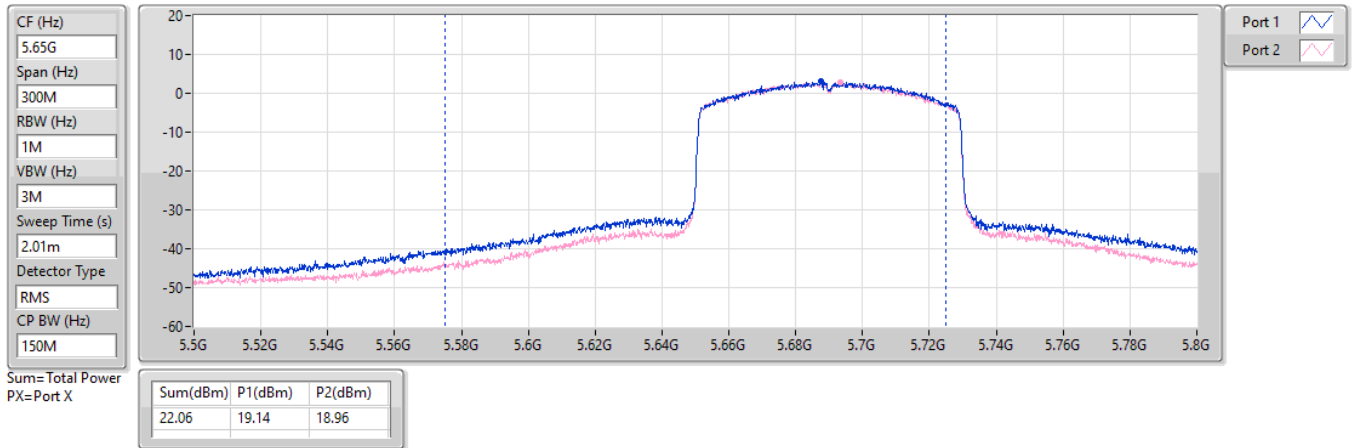
DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

07/11/2024





Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	11.18
802.11ax HEW20_Nss1,(MCS0)_2TX	10.16
802.11ax HEW40_Nss1,(MCS0)_2TX	7.92
802.11ax HEW80_Nss1,(MCS0)_2TX	-1.47
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.04
802.11ax HEW20_Nss1,(MCS0)_2TX	9.00
802.11ax HEW40_Nss1,(MCS0)_2TX	7.62
802.11ax HEW80_Nss1,(MCS0)_2TX	0.85
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.11
802.11ax HEW20_Nss1,(MCS0)_2TX	8.88
802.11ax HEW40_Nss1,(MCS0)_2TX	7.09
802.11ax HEW80_Nss1,(MCS0)_2TX	3.54
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	8.93
802.11ax HEW20_Nss1,(MCS0)_2TX	8.19
802.11ax HEW40_Nss1,(MCS0)_2TX	6.01
802.11ax HEW80_Nss1,(MCS0)_2TX	2.69

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.88	7.61	7.72	10.68	15.12
5200MHz	Pass	7.88	7.98	7.97	10.94	15.12
5240MHz	Pass	7.88	8.17	8.16	11.18	15.12
5260MHz	Pass	7.88	5.76	5.42	8.57	9.12
5300MHz	Pass	7.88	5.55	5.14	8.30	9.12
5320MHz	Pass	7.88	6.29	5.89	9.04	9.12
5500MHz	Pass	7.88	6.10	6.03	9.05	9.12
5580MHz	Pass	7.88	6.30	6.08	9.11	9.12
5700MHz	Pass	7.88	5.95	5.43	8.63	9.12
5720MHz Straddle 5.47-5.725GHz	Pass	7.88	5.06	4.95	7.88	9.12
5720MHz Straddle 5.725-5.85GHz	Pass	7.88	2.33	1.88	5.08	28.12
5745MHz	Pass	7.88	6.20	5.80	8.93	28.12
5785MHz	Pass	7.88	6.03	5.96	8.88	28.12
5825MHz	Pass	7.88	5.78	6.05	8.88	28.12
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.88	6.66	6.77	9.67	15.12
5200MHz	Pass	7.88	7.04	7.07	10.01	15.12
5240MHz	Pass	7.88	7.31	7.17	10.16	15.12
5260MHz	Pass	7.88	6.14	5.91	9.00	9.12
5300MHz	Pass	7.88	5.86	5.64	8.57	9.12
5320MHz	Pass	7.88	6.24	5.66	8.86	9.12
5500MHz	Pass	7.88	5.91	5.75	8.80	9.12
5580MHz	Pass	7.88	5.29	5.02	8.09	9.12
5700MHz	Pass	7.88	5.95	6.09	8.88	9.12
5720MHz Straddle 5.47-5.725GHz	Pass	7.88	5.86	5.34	8.52	9.12
5720MHz Straddle 5.725-5.85GHz	Pass	7.88	3.04	2.82	5.91	28.12
5745MHz	Pass	7.88	5.66	4.90	8.07	28.12
5785MHz	Pass	7.88	5.49	5.18	8.19	28.12
5825MHz	Pass	7.88	5.13	5.45	8.17	28.12
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	7.88	1.62	1.72	4.65	15.12
5230MHz	Pass	7.88	5.08	4.82	7.92	15.12
5270MHz	Pass	7.88	4.77	4.52	7.62	9.12
5310MHz	Pass	7.88	3.23	3.11	6.07	9.12
5510MHz	Pass	7.88	3.04	2.92	5.98	9.12
5550MHz	Pass	7.88	4.00	4.12	7.03	9.12
5670MHz	Pass	7.88	4.15	3.79	6.92	9.12
5710MHz Straddle 5.47-5.725GHz	Pass	7.88	4.31	4.00	7.09	9.12
5710MHz Straddle 5.725-5.85GHz	Pass	7.88	-0.73	-0.97	2.15	28.12
5755MHz	Pass	7.88	3.12	2.77	5.96	28.12
5795MHz	Pass	7.88	2.89	3.15	6.01	28.12
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	7.88	-4.15	-4.73	-1.47	15.12
5290MHz	Pass	7.88	-1.91	-2.25	0.85	9.12
5530MHz	Pass	7.88	-1.05	-1.15	1.70	9.12
5610MHz	Pass	7.88	-0.03	-0.10	2.84	9.12
5690MHz Straddle 5.47-5.725GHz	Pass	7.88	0.85	0.34	3.54	9.12
5690MHz Straddle 5.725-5.85GHz	Pass	7.88	-5.78	-6.11	-2.97	28.12
5775MHz	Pass	7.88	-0.15	-0.38	2.69	28.12

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

07/11/2024

CF (Hz)
5.24G

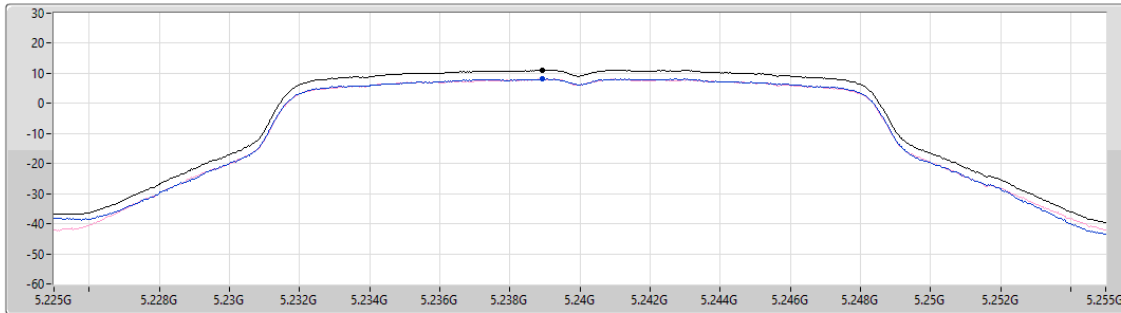
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.18	11.18	8.17	8.16

Sum ☒

Port 1 ☒

Port 2 ☒

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5240MHz

07/11/2024

CF (Hz)
5.24G

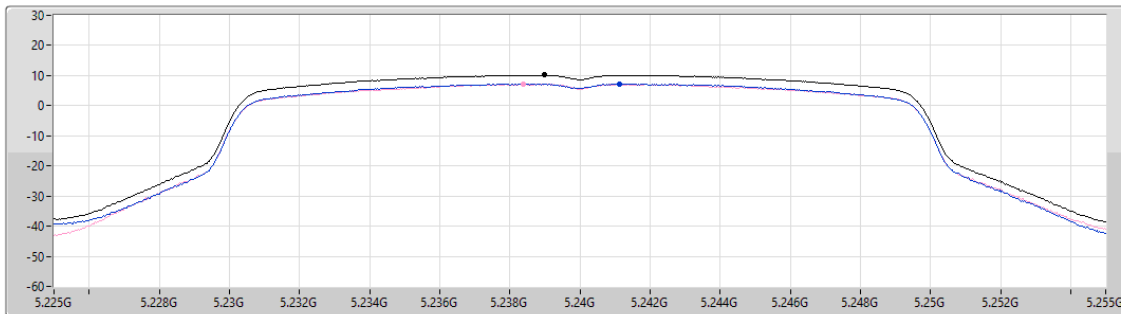
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.16	10.16	7.31	7.17

Sum ☒

Port 1 ☒

Port 2 ☒

5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

PSD

5230MHz

07/11/2024

CF (Hz)
5.23G

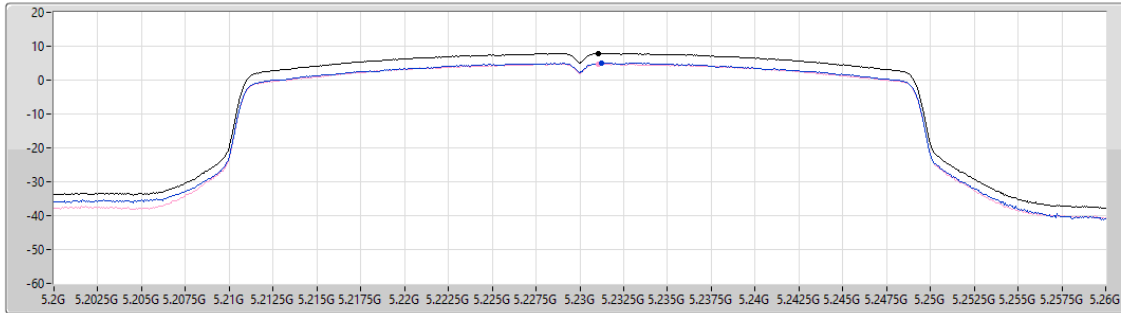
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.92	7.92	5.08	4.82

5.15-5.25GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

PSD

5210MHz

07/11/2024

CF (Hz)
5.21G

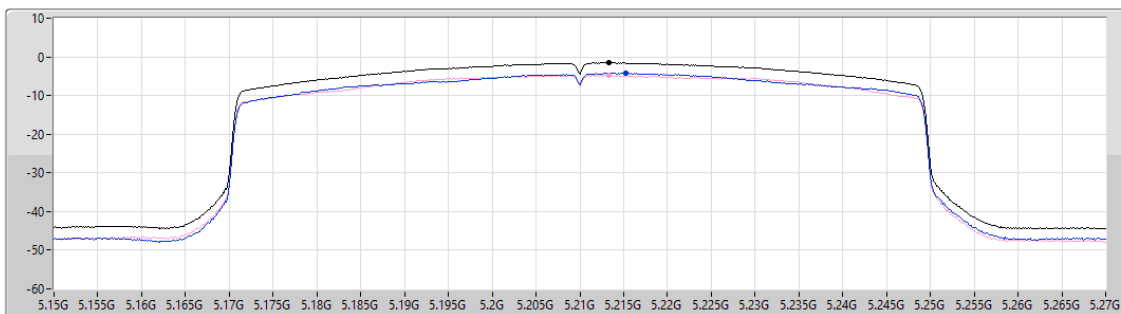
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.47	-1.47	-4.15	-4.73

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

07/11/2024

CF (Hz)
5.32G

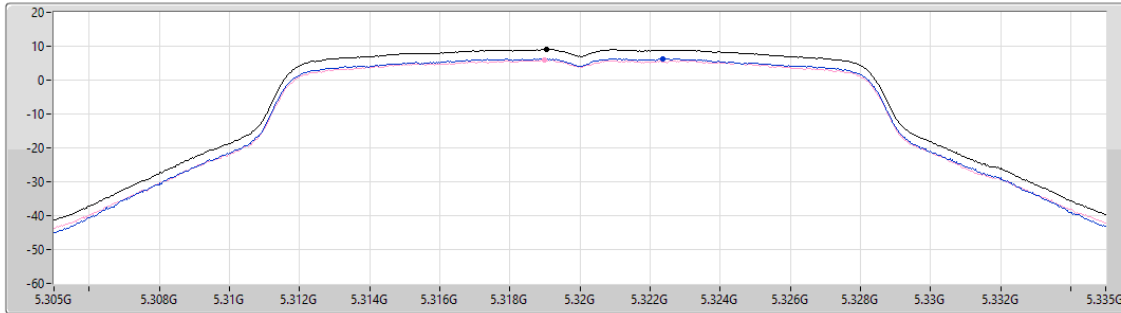
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.04	9.04	6.29	5.89

Sum ☒

Port 1 ☒

Port 2 ☒

5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

5260MHz

07/11/2024

CF (Hz)
5.26G

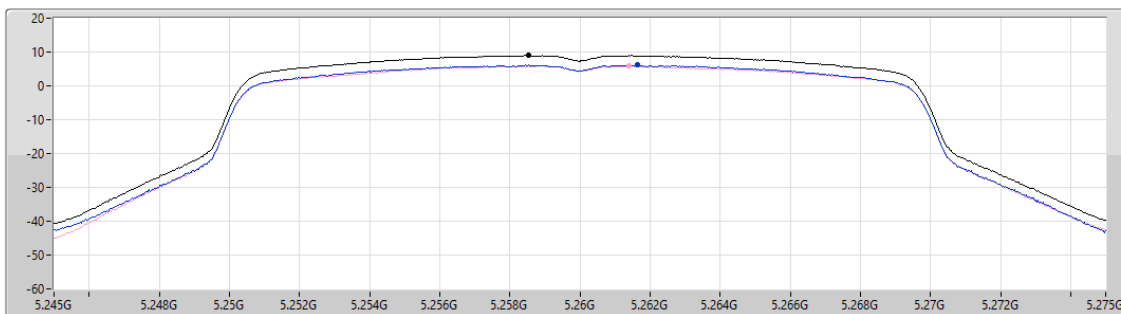
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.00	9.00	6.14	5.91

Sum ☒

Port 1 ☒

Port 2 ☒

5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

PSD

5270MHz

07/11/2024

CF (Hz)
5.27G

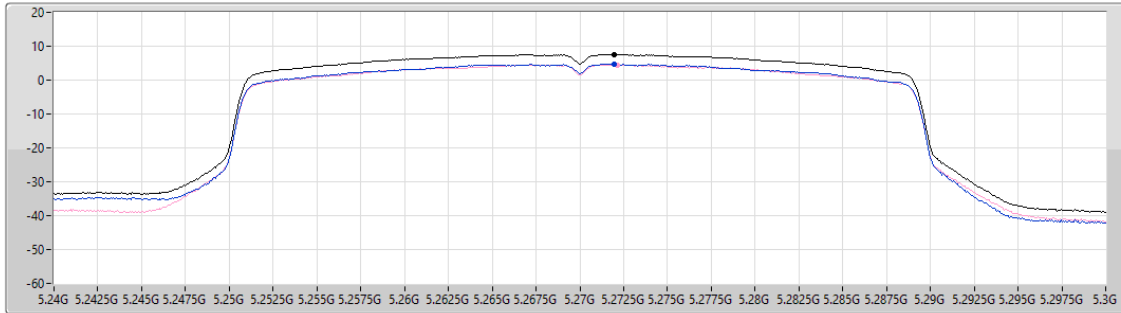
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.62	7.62	4.77	4.52

5.25-5.35GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

PSD

5290MHz

07/11/2024

CF (Hz)
5.29G

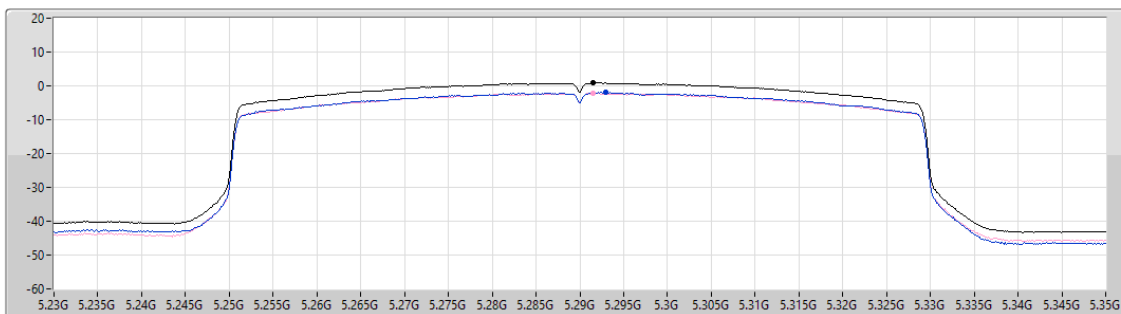
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.85	0.85	-1.91	-2.25

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

07/11/2024

CF (Hz)
5.58G

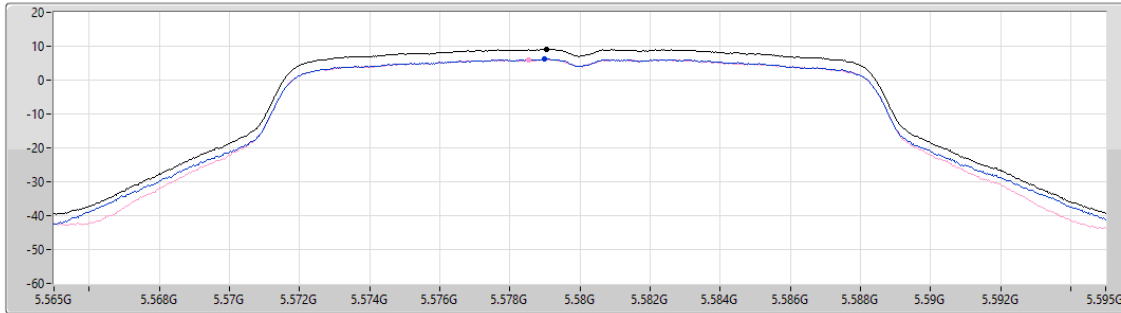
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.11	9.11	6.30	6.08

5.47-5.725GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

5700MHz

07/11/2024

CF (Hz)
5.7G

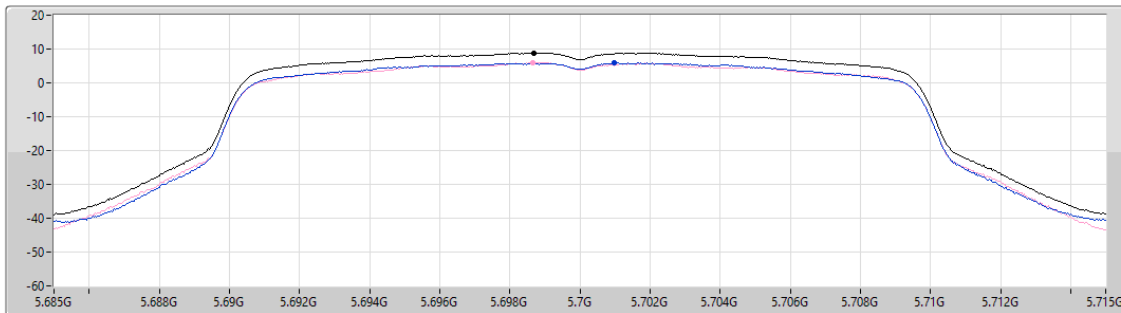
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

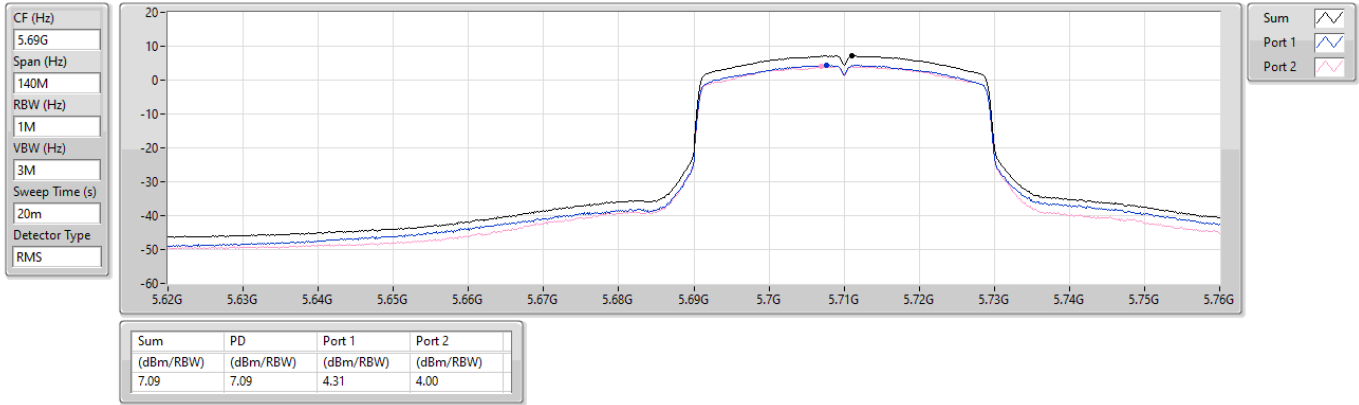
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.88	8.88	5.95	6.09

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

07/11/2024

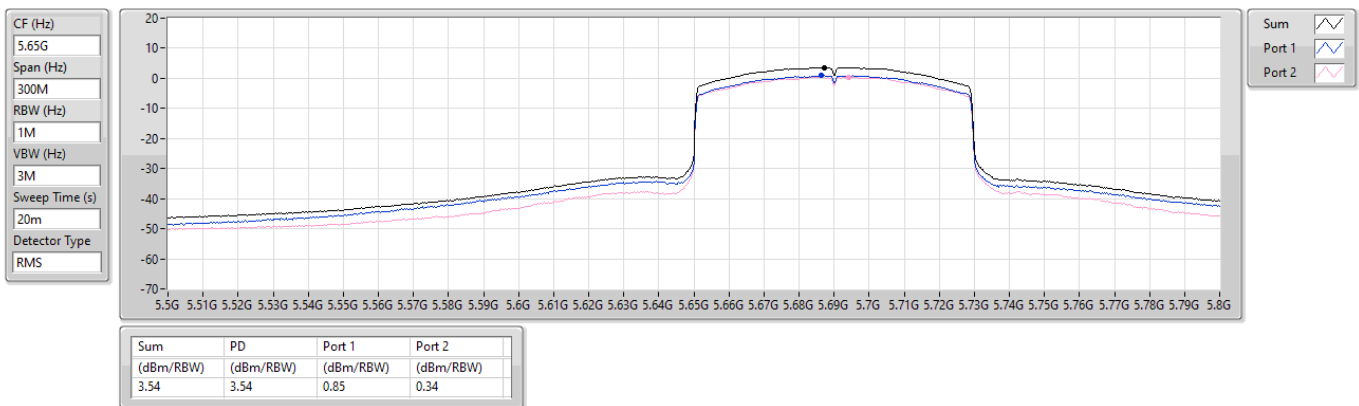


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

07/11/2024



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

07/11/2024

CF (Hz)
5.745G

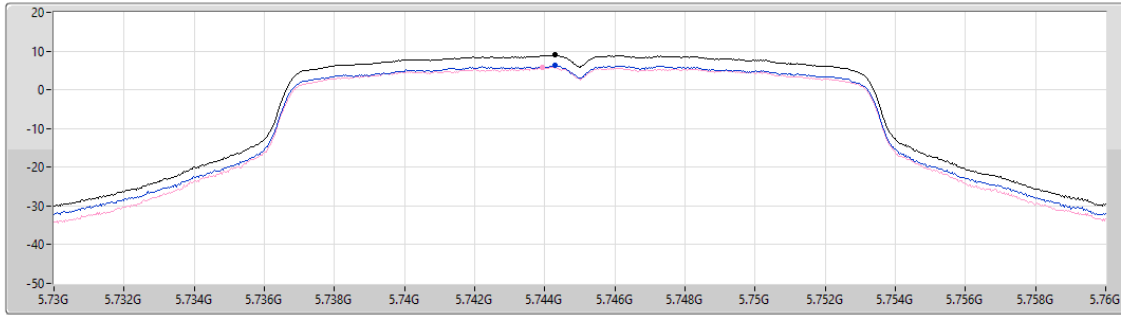
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.93	8.93	6.20	5.80

5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

07/11/2024

CF (Hz)
5.785G

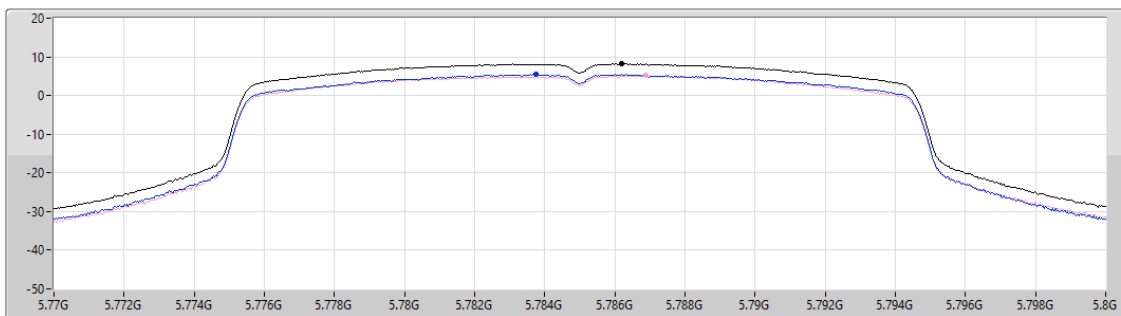
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.19	8.19	5.49	5.18

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5795MHz

07/11/2024

CF (Hz)
5.795G

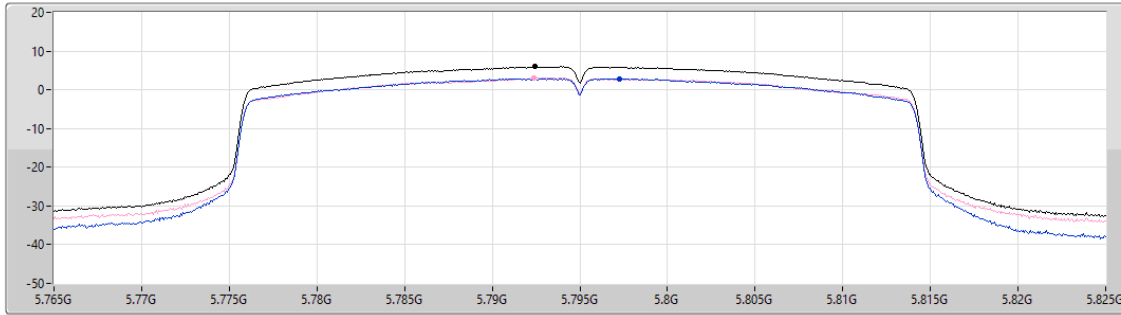
Span (Hz)
60M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.01	6.01	2.89	3.15

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz

07/11/2024

CF (Hz)
5.775G

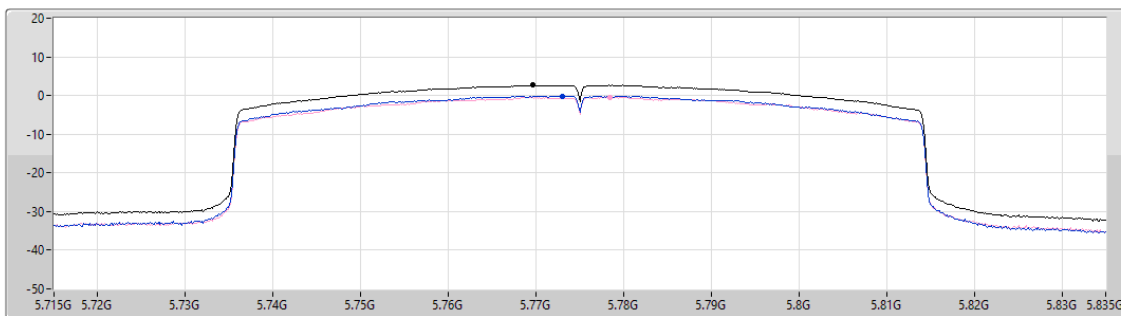
Span (Hz)
120M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.69	2.69	-0.15	-0.38



Summary

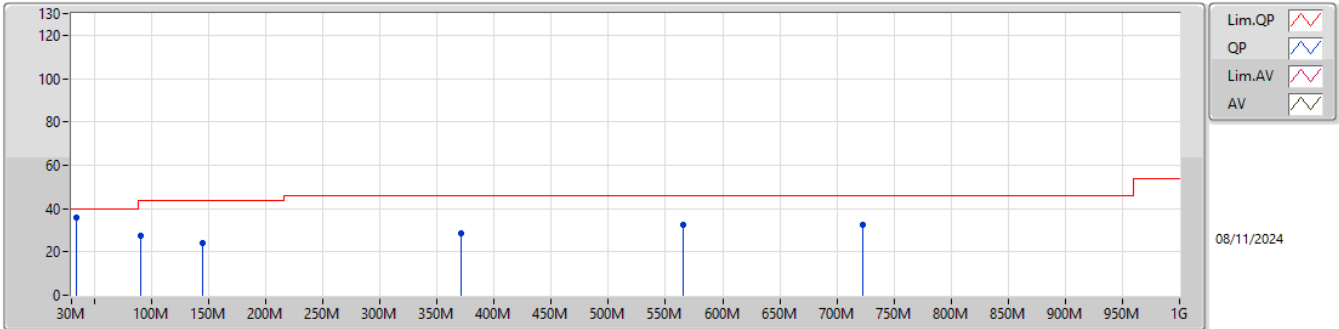
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	QP	33.88M	35.91	40.00	-4.09	3	Vertical	135	1.00

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	90.14M	27.52	43.50	-15.98	3	Vertical	360	1.00
5775MHz	Pass	PK	144.46M	23.95	43.50	-19.55	3	Vertical	360	1.00
5775MHz	Pass	PK	371.44M	28.70	46.00	-17.30	3	Vertical	360	1.00
5775MHz	Pass	PK	565.44M	32.32	46.00	-13.68	3	Vertical	360	1.00
5775MHz	Pass	PK	722.58M	32.46	46.00	-13.54	3	Vertical	360	1.00
5775MHz	Pass	QP	33.88M	35.91	40.00	-4.09	3	Vertical	135	1.00
5775MHz	Pass	PK	33.88M	30.32	40.00	-9.68	3	Horizontal	0	1.00
5775MHz	Pass	PK	103.72M	28.31	43.50	-15.19	3	Horizontal	0	1.00
5775MHz	Pass	PK	206.54M	29.46	43.50	-14.04	3	Horizontal	0	1.00
5775MHz	Pass	PK	414.12M	29.11	46.00	-16.89	3	Horizontal	0	1.00
5775MHz	Pass	PK	563.5M	31.98	46.00	-14.02	3	Horizontal	0	1.00
5775MHz	Pass	PK	662.44M	31.73	46.00	-14.27	3	Horizontal	0	1.00

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

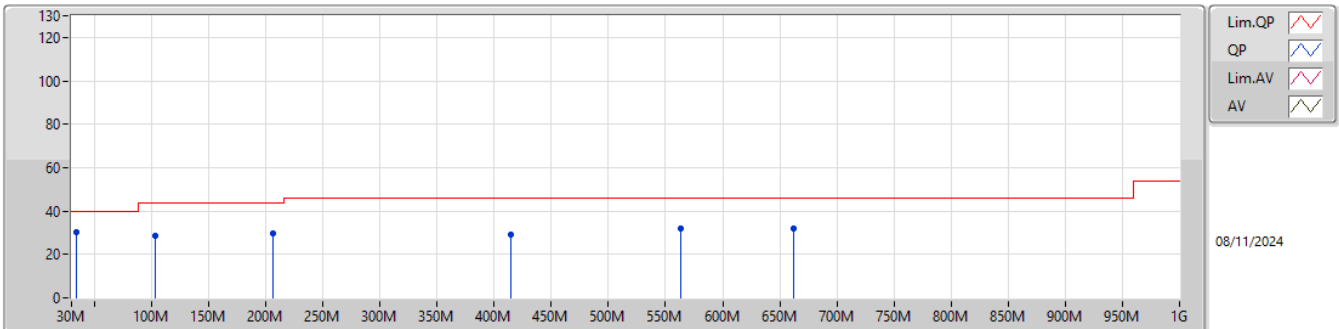
5775MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	90.14M	27.52	43.50	-15.98	-11.16	3	Vertical	360	1.00	38.68	15.25	0.91	27.32
PK	144.46M	23.95	43.50	-19.55	-8.50	3	Vertical	360	1.00	32.45	17.12	1.55	27.17
PK	371.44M	28.70	46.00	-17.30	-3.58	3	Vertical	360	1.00	32.28	21.07	2.59	27.24
PK	565.44M	32.32	46.00	-13.68	0.12	3	Vertical	360	1.00	32.20	24.84	3.47	28.19
PK	722.58M	32.46	46.00	-13.54	1.40	3	Vertical	360	1.00	31.06	25.59	3.99	28.18
QP	33.88M	35.91	40.00	-4.09	-4.60	3	Vertical	135	1.00	40.51	22.62	0.27	27.49

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	33.88M	30.32	40.00	-9.68	-4.60	3	Horizontal	0	1.00	34.92	22.62	0.27	27.49
PK	103.72M	28.31	43.50	-15.19	-8.48	3	Horizontal	0	1.00	36.79	17.78	1.03	27.29
PK	206.54M	29.46	43.50	-14.04	-9.44	3	Horizontal	0	1.00	38.90	15.42	2.05	26.91
PK	414.12M	29.11	46.00	-16.89	-2.37	3	Horizontal	0	1.00	31.48	22.46	2.76	27.59
PK	563.5M	31.98	46.00	-14.02	0.16	3	Horizontal	0	1.00	31.82	24.89	3.46	28.19
PK	662.44M	31.73	46.00	-14.27	0.74	3	Horizontal	0	1.00	30.99	25.13	3.82	28.21

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.15G	49.77	54.00	-4.23	3	Horizontal	39	1.03
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	15.72466G	46.06	54.00	-7.94	3	Vertical	19	1.00
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.148G	47.86	54.00	-6.14	3	Horizontal	39	1.09
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.147G	48.87	54.00	-5.13	3	Horizontal	38	1.07
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	15.96248G	46.31	54.00	-7.69	3	Vertical	17	2.31
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	15.7791G	45.38	54.00	-8.62	3	Vertical	18	1.00
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.3512G	47.12	54.00	-6.88	3	Horizontal	41	1.41
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.355G	51.71	54.00	-2.29	3	Vertical	334	1.00
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.728G	64.21	68.20	-3.99	3	Horizontal	56	2.44
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	PK	5.726G	66.75	68.20	-1.45	3	Horizontal	63	2.49
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	5.7264G	67.57	68.20	-0.63	3	Horizontal	55	2.54
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	5.732G	65.00	68.20	-3.20	3	Horizontal	55	2.50

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1468G	48.35	54.00	-5.65	3	Vertical	334	1.02
5180MHz	Pass	AV	5.1822G	104.93	Inf	-Inf	3	Vertical	334	1.02
5180MHz	Pass	PK	5.1472G	61.87	74.00	-12.13	3	Vertical	334	1.02
5180MHz	Pass	PK	5.182G	115.51	Inf	-Inf	3	Vertical	334	1.02
5180MHz	Pass	AV	5.15G	49.77	54.00	-4.23	3	Horizontal	39	1.03
5180MHz	Pass	AV	5.1808G	105.84	Inf	-Inf	3	Horizontal	39	1.03
5180MHz	Pass	PK	5.15G	61.76	74.00	-12.24	3	Horizontal	39	1.03
5180MHz	Pass	PK	5.1808G	115.84	Inf	-Inf	3	Horizontal	39	1.03
5180MHz	Pass	AV	15.5418G	45.35	54.00	-8.65	3	Vertical	328	1.42
5180MHz	Pass	PK	10.36104G	50.90	68.20	-17.30	3	Vertical	137	1.50
5180MHz	Pass	PK	15.54184G	58.53	74.00	-15.47	3	Vertical	328	1.42
5180MHz	Pass	AV	15.5422G	47.75	54.00	-6.25	3	Horizontal	57	1.76
5180MHz	Pass	PK	10.351G	50.66	68.20	-17.54	3	Horizontal	103	1.50
5180MHz	Pass	PK	15.54636G	60.79	74.00	-13.21	3	Horizontal	57	1.76
5200MHz	Pass	AV	5.1464G	41.79	54.00	-12.21	3	Vertical	337	1.09
5200MHz	Pass	AV	5.2024G	104.99	Inf	-Inf	3	Vertical	337	1.09
5200MHz	Pass	PK	5.1388G	54.90	74.00	-19.10	3	Vertical	337	1.09
5200MHz	Pass	PK	5.2024G	115.92	Inf	-Inf	3	Vertical	337	1.09
5200MHz	Pass	AV	5.1492G	41.98	54.00	-12.02	3	Horizontal	36	1.10
5200MHz	Pass	AV	5.2012G	105.35	Inf	-Inf	3	Horizontal	36	1.10
5200MHz	Pass	PK	5.1488G	54.33	74.00	-19.67	3	Horizontal	36	1.10
5200MHz	Pass	PK	5.1964G	115.34	Inf	-Inf	3	Horizontal	36	1.10
5200MHz	Pass	AV	15.59964G	47.76	54.00	-6.24	3	Vertical	323	1.00
5200MHz	Pass	PK	10.3994G	51.68	68.20	-16.52	3	Vertical	26	2.80
5200MHz	Pass	PK	15.60052G	61.24	74.00	-12.76	3	Vertical	323	1.00
5200MHz	Pass	AV	15.59952G	48.01	54.00	-5.99	3	Horizontal	39	1.80
5200MHz	Pass	PK	10.40588G	50.55	68.20	-17.65	3	Horizontal	218	1.50
5200MHz	Pass	PK	15.5988G	61.33	74.00	-12.67	3	Horizontal	39	1.80
5240MHz	Pass	AV	5.144G	41.22	54.00	-12.78	3	Vertical	337	1.88
5240MHz	Pass	AV	5.2412G	104.67	Inf	-Inf	3	Vertical	337	1.88
5240MHz	Pass	AV	5.3762G	42.36	54.00	-11.64	3	Vertical	337	1.88
5240MHz	Pass	PK	5.1146G	54.65	74.00	-19.35	3	Vertical	337	1.88
5240MHz	Pass	PK	5.2406G	114.46	Inf	-Inf	3	Vertical	337	1.88
5240MHz	Pass	PK	5.3738G	54.67	74.00	-19.33	3	Vertical	337	1.88
5240MHz	Pass	AV	5.1416G	41.38	54.00	-12.62	3	Horizontal	39	1.00
5240MHz	Pass	AV	5.243G	104.92	Inf	-Inf	3	Horizontal	39	1.00
5240MHz	Pass	AV	5.3516G	41.84	54.00	-12.16	3	Horizontal	39	1.00
5240MHz	Pass	PK	5.1308G	53.85	74.00	-20.15	3	Horizontal	39	1.00
5240MHz	Pass	PK	5.2382G	115.29	Inf	-Inf	3	Horizontal	39	1.00
5240MHz	Pass	PK	5.3792G	54.66	74.00	-19.34	3	Horizontal	39	1.00
5240MHz	Pass	AV	15.71924G	47.47	54.00	-6.53	3	Vertical	325	1.00
5240MHz	Pass	PK	10.4724G	51.79	68.20	-16.41	3	Vertical	149	1.50
5240MHz	Pass	PK	15.71968G	61.43	74.00	-12.57	3	Vertical	325	1.00
5240MHz	Pass	AV	15.7192G	45.23	54.00	-8.77	3	Horizontal	313	1.35
5240MHz	Pass	PK	10.47016G	51.46	68.20	-16.74	3	Horizontal	47	2.42
5240MHz	Pass	PK	15.71988G	58.01	74.00	-15.99	3	Horizontal	313	1.35
5260MHz	Pass	AV	5.1442G	40.79	54.00	-13.21	3	Vertical	341	1.13
5260MHz	Pass	AV	5.2606G	101.58	Inf	-Inf	3	Vertical	341	1.13
5260MHz	Pass	AV	5.3518G	42.33	54.00	-11.67	3	Vertical	341	1.13
5260MHz	Pass	PK	5.1418G	54.01	74.00	-19.99	3	Vertical	341	1.13
5260MHz	Pass	PK	5.2606G	111.72	Inf	-Inf	3	Vertical	341	1.13
5260MHz	Pass	PK	5.3836G	54.96	74.00	-19.04	3	Vertical	341	1.13
5260MHz	Pass	AV	5.14G	41.03	54.00	-12.97	3	Horizontal	38	1.09
5260MHz	Pass	AV	5.2636G	101.82	Inf	-Inf	3	Horizontal	38	1.09
5260MHz	Pass	AV	5.3542G	42.06	54.00	-11.94	3	Horizontal	38	1.09
5260MHz	Pass	PK	5.143G	54.14	74.00	-19.86	3	Horizontal	38	1.09
5260MHz	Pass	PK	5.2582G	112.12	Inf	-Inf	3	Horizontal	38	1.09
5260MHz	Pass	PK	5.3518G	54.95	74.00	-19.05	3	Horizontal	38	1.09
5260MHz	Pass	AV	15.779G	43.55	54.00	-10.45	3	Vertical	19	1.00
5260MHz	Pass	PK	10.52324G	50.62	68.20	-17.58	3	Vertical	191	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5260MHz	Pass	PK	15.78116G	55.77	74.00	-18.23	3	Vertical	19	1.00
5260MHz	Pass	AV	15.77388G	41.99	54.00	-12.01	3	Horizontal	314	1.72
5260MHz	Pass	PK	10.51416G	50.49	68.20	-17.71	3	Horizontal	128	1.50
5260MHz	Pass	PK	15.77836G	54.49	74.00	-19.51	3	Horizontal	314	1.72
5300MHz	Pass	AV	5.3008G	102.11	Inf	-Inf	3	Vertical	341	1.13
5300MHz	Pass	AV	5.376G	42.29	54.00	-11.71	3	Vertical	341	1.13
5300MHz	Pass	PK	5.3008G	112.00	Inf	-Inf	3	Vertical	341	1.13
5300MHz	Pass	PK	5.3764G	55.10	74.00	-18.90	3	Vertical	341	1.13
5300MHz	Pass	AV	5.2988G	101.92	Inf	-Inf	3	Horizontal	38	1.46
5300MHz	Pass	AV	5.394G	41.62	54.00	-12.38	3	Horizontal	38	1.46
5300MHz	Pass	PK	5.2984G	112.06	Inf	-Inf	3	Horizontal	38	1.46
5300MHz	Pass	PK	5.3732G	54.65	74.00	-19.35	3	Horizontal	38	1.46
5300MHz	Pass	AV	10.60484G	38.66	54.00	-15.34	3	Vertical	325	1.82
5300MHz	Pass	AV	15.90244G	43.56	54.00	-10.44	3	Vertical	52	2.91
5300MHz	Pass	PK	10.60084G	51.30	74.00	-22.70	3	Vertical	325	1.82
5300MHz	Pass	PK	15.89764G	56.84	74.00	-17.16	3	Vertical	52	2.91
5300MHz	Pass	AV	10.60044G	38.71	54.00	-15.29	3	Horizontal	201	1.08
5300MHz	Pass	AV	15.90668G	42.00	54.00	-12.00	3	Horizontal	176	1.50
5300MHz	Pass	PK	10.60688G	51.55	74.00	-22.45	3	Horizontal	201	1.08
5300MHz	Pass	PK	15.89492G	54.05	74.00	-19.95	3	Horizontal	176	1.50
5320MHz	Pass	AV	5.3228G	104.35	Inf	-Inf	3	Vertical	338	1.00
5320MHz	Pass	AV	5.3526G	44.72	54.00	-9.28	3	Vertical	338	1.00
5320MHz	Pass	PK	5.3228G	114.46	Inf	-Inf	3	Vertical	338	1.00
5320MHz	Pass	PK	5.353G	57.72	74.00	-16.28	3	Vertical	338	1.00
5320MHz	Pass	AV	5.321G	103.72	Inf	-Inf	3	Horizontal	36	1.41
5320MHz	Pass	AV	5.3508G	44.19	54.00	-9.81	3	Horizontal	36	1.41
5320MHz	Pass	PK	5.3164G	114.11	Inf	-Inf	3	Horizontal	36	1.41
5320MHz	Pass	PK	5.3512G	57.79	74.00	-16.21	3	Horizontal	36	1.41
5320MHz	Pass	AV	10.63112G	38.85	54.00	-15.15	3	Vertical	175	1.48
5320MHz	Pass	AV	15.96248G	46.31	54.00	-7.69	3	Vertical	17	2.31
5320MHz	Pass	PK	10.6478G	51.33	74.00	-22.67	3	Vertical	175	1.48
5320MHz	Pass	PK	15.95696G	59.58	74.00	-14.42	3	Vertical	17	2.31
5320MHz	Pass	AV	10.63036G	38.61	54.00	-15.39	3	Horizontal	140	1.06
5320MHz	Pass	AV	15.96188G	43.22	54.00	-10.78	3	Horizontal	315	1.43
5320MHz	Pass	PK	10.6452G	50.67	74.00	-23.33	3	Horizontal	140	1.06
5320MHz	Pass	PK	15.9552G	55.56	74.00	-18.44	3	Horizontal	315	1.43
5500MHz	Pass	AV	5.4584G	42.99	54.00	-11.01	3	Vertical	22	1.30
5500MHz	Pass	AV	5.4976G	102.84	Inf	-Inf	3	Vertical	22	1.30
5500MHz	Pass	PK	5.4576G	57.05	74.00	-16.95	3	Vertical	22	1.30
5500MHz	Pass	PK	5.4676G	61.92	68.20	-6.28	3	Vertical	22	1.30
5500MHz	Pass	PK	5.4978G	112.86	Inf	-Inf	3	Vertical	22	1.30
5500MHz	Pass	AV	5.46G	43.89	54.00	-10.11	3	Horizontal	55	2.71
5500MHz	Pass	AV	5.501G	104.96	Inf	-Inf	3	Horizontal	55	2.71
5500MHz	Pass	PK	5.4596G	58.44	74.00	-15.56	3	Horizontal	55	2.71
5500MHz	Pass	PK	5.4668G	62.52	68.20	-5.68	3	Horizontal	55	2.71
5500MHz	Pass	PK	5.4966G	115.05	Inf	-Inf	3	Horizontal	55	2.71
5500MHz	Pass	AV	10.99786G	39.18	54.00	-14.82	3	Vertical	133	1.45
5500MHz	Pass	PK	10.99716G	51.57	74.00	-22.43	3	Vertical	133	1.45
5500MHz	Pass	PK	16.50438G	60.91	68.20	-7.29	3	Vertical	334	1.47
5500MHz	Pass	AV	11.00328G	39.04	54.00	-14.96	3	Horizontal	229	2.12
5500MHz	Pass	PK	10.99864G	51.58	74.00	-22.42	3	Horizontal	229	2.12
5500MHz	Pass	PK	16.49778G	62.31	68.20	-5.89	3	Horizontal	313	1.50
5580MHz	Pass	AV	5.451G	41.35	54.00	-12.65	3	Vertical	20	1.49
5580MHz	Pass	AV	5.583G	102.96	Inf	-Inf	3	Vertical	20	1.49
5580MHz	Pass	PK	5.43G	53.82	74.00	-20.18	3	Vertical	20	1.49
5580MHz	Pass	PK	5.4642G	53.80	68.20	-14.40	3	Vertical	20	1.49
5580MHz	Pass	PK	5.583G	112.94	Inf	-Inf	3	Vertical	20	1.49
5580MHz	Pass	PK	5.7258G	54.43	68.20	-13.77	3	Vertical	20	1.49
5580MHz	Pass	AV	5.4408G	41.43	54.00	-12.57	3	Horizontal	56	2.81
5580MHz	Pass	AV	5.5812G	105.35	Inf	-Inf	3	Horizontal	56	2.81
5580MHz	Pass	PK	5.433G	54.16	74.00	-19.84	3	Horizontal	56	2.81
5580MHz	Pass	PK	5.469G	55.12	68.20	-13.08	3	Horizontal	56	2.81

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5580MHz	Pass	PK	5.5764G	115.57	Inf	-Inf	3	Horizontal	56	2.81
5580MHz	Pass	PK	5.7252G	54.41	68.20	-13.79	3	Horizontal	56	2.81
5580MHz	Pass	AV	11.15548G	38.98	54.00	-15.02	3	Vertical	9	1.95
5580MHz	Pass	PK	11.15774G	51.41	74.00	-22.59	3	Vertical	9	1.95
5580MHz	Pass	PK	16.73768G	62.39	68.20	-5.81	3	Vertical	48	2.85
5580MHz	Pass	AV	11.1621G	38.79	54.00	-15.21	3	Horizontal	271	1.50
5580MHz	Pass	PK	11.15674G	52.66	74.00	-21.34	3	Horizontal	271	1.50
5580MHz	Pass	PK	16.73902G	59.84	68.20	-8.36	3	Horizontal	325	1.00
5700MHz	Pass	AV	5.7012G	104.06	Inf	-Inf	3	Vertical	35	1.66
5700MHz	Pass	PK	5.6964G	114.28	Inf	-Inf	3	Vertical	35	1.66
5700MHz	Pass	PK	5.7264G	63.19	68.20	-5.01	3	Vertical	35	1.66
5700MHz	Pass	AV	5.6984G	105.63	Inf	-Inf	3	Horizontal	56	2.44
5700MHz	Pass	PK	5.6984G	116.21	Inf	-Inf	3	Horizontal	56	2.44
5700MHz	Pass	PK	5.728G	64.21	68.20	-3.99	3	Horizontal	56	2.44
5700MHz	Pass	AV	11.40224G	39.86	54.00	-14.14	3	Vertical	11	1.83
5700MHz	Pass	PK	11.40142G	52.04	74.00	-21.96	3	Vertical	11	1.83
5700MHz	Pass	PK	17.09934G	55.95	68.20	-12.25	3	Vertical	360	2.06
5700MHz	Pass	AV	11.40134G	39.50	54.00	-14.50	3	Horizontal	342	2.47
5700MHz	Pass	PK	11.39992G	51.81	74.00	-22.19	3	Horizontal	342	2.47
5700MHz	Pass	PK	17.10178G	56.04	68.20	-12.16	3	Horizontal	0	2.00
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.456G	40.96	54.00	-13.04	3	Vertical	37	1.78
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7188G	102.32	Inf	-Inf	3	Vertical	37	1.78
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4308G	53.38	74.00	-20.62	3	Vertical	37	1.78
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4692G	53.27	68.20	-14.93	3	Vertical	37	1.78
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7188G	112.10	Inf	-Inf	3	Vertical	37	1.78
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9444G	56.88	68.20	-11.32	3	Vertical	37	1.78
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4536G	41.16	54.00	-12.84	3	Horizontal	56	2.54
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7212G	104.26	Inf	-Inf	3	Horizontal	56	2.54
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4344G	53.99	74.00	-20.01	3	Horizontal	56	2.54
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4608G	53.72	68.20	-14.48	3	Horizontal	56	2.54
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7212G	113.72	Inf	-Inf	3	Horizontal	56	2.54
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9576G	56.45	68.20	-11.75	3	Horizontal	56	2.54
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.4417G	39.77	54.00	-14.23	3	Vertical	11	1.77
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43814G	52.00	74.00	-22.00	3	Vertical	11	1.77
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.16114G	53.53	68.20	-14.67	3	Vertical	357	2.07
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.44186G	39.74	54.00	-14.26	3	Horizontal	50	2.54
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44186G	52.83	74.00	-21.17	3	Horizontal	50	2.54
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.1633G	53.21	68.20	-14.99	3	Horizontal	21	1.45
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	45.63	54.00	-8.37	3	Vertical	337	1.78
5180MHz	Pass	AV	5.1816G	103.72	Inf	-Inf	3	Vertical	337	1.78
5180MHz	Pass	PK	5.1494G	60.07	74.00	-13.93	3	Vertical	337	1.78
5180MHz	Pass	PK	5.1818G	116.96	Inf	-Inf	3	Vertical	337	1.78
5180MHz	Pass	AV	5.1468G	45.20	54.00	-8.80	3	Horizontal	36	1.25
5180MHz	Pass	AV	5.177G	103.83	Inf	-Inf	3	Horizontal	36	1.25
5180MHz	Pass	PK	5.1458G	59.38	74.00	-14.62	3	Horizontal	36	1.25
5180MHz	Pass	PK	5.1776G	117.47	Inf	-Inf	3	Horizontal	36	1.25
5180MHz	Pass	AV	15.5426G	44.83	54.00	-9.17	3	Vertical	336	1.41
5180MHz	Pass	PK	10.36066G	50.78	68.20	-17.42	3	Vertical	7	2.41
5180MHz	Pass	PK	15.5447G	61.52	74.00	-12.48	3	Vertical	336	1.41
5180MHz	Pass	AV	15.54316G	45.60	54.00	-8.40	3	Horizontal	56	1.73
5180MHz	Pass	PK	10.3629G	51.24	68.20	-16.96	3	Horizontal	130	2.81
5180MHz	Pass	PK	15.54262G	64.24	74.00	-9.76	3	Horizontal	56	1.73
5200MHz	Pass	AV	5.1464G	41.16	54.00	-12.84	3	Vertical	336	1.81
5200MHz	Pass	AV	5.1968G	102.95	Inf	-Inf	3	Vertical	336	1.81
5200MHz	Pass	PK	5.146G	53.94	74.00	-20.06	3	Vertical	336	1.81
5200MHz	Pass	PK	5.1976G	116.21	Inf	-Inf	3	Vertical	336	1.81
5200MHz	Pass	AV	5.15G	41.57	54.00	-12.43	3	Horizontal	38	1.20
5200MHz	Pass	AV	5.2016G	104.45	Inf	-Inf	3	Horizontal	38	1.20
5200MHz	Pass	PK	5.1464G	54.67	74.00	-19.33	3	Horizontal	38	1.20
5200MHz	Pass	PK	5.202G	118.09	Inf	-Inf	3	Horizontal	38	1.20
5200MHz	Pass	AV	15.60416G	45.25	54.00	-8.75	3	Vertical	325	1.00

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5200MHz	Pass	PK	10.40058G	51.31	68.20	-16.89	3	Vertical	25	1.90
5200MHz	Pass	PK	15.6037G	62.54	74.00	-11.46	3	Vertical	325	1.00
5200MHz	Pass	AV	15.60358G	44.90	54.00	-9.10	3	Horizontal	55	1.74
5200MHz	Pass	PK	10.39948G	51.03	68.20	-17.17	3	Horizontal	271	1.40
5200MHz	Pass	PK	15.6035G	62.98	74.00	-11.02	3	Horizontal	55	1.74
5240MHz	Pass	AV	5.1464G	40.49	54.00	-13.51	3	Vertical	13	1.60
5240MHz	Pass	AV	5.243G	102.14	Inf	-Inf	3	Vertical	13	1.60
5240MHz	Pass	AV	5.3762G	41.29	54.00	-12.71	3	Vertical	13	1.60
5240MHz	Pass	PK	5.1374G	53.72	74.00	-20.28	3	Vertical	13	1.60
5240MHz	Pass	PK	5.2424G	114.96	Inf	-Inf	3	Vertical	13	1.60
5240MHz	Pass	PK	5.3666G	54.86	74.00	-19.14	3	Vertical	13	1.60
5240MHz	Pass	AV	5.1404G	40.76	54.00	-13.24	3	Horizontal	39	1.00
5240MHz	Pass	AV	5.237G	103.39	Inf	-Inf	3	Horizontal	39	1.00
5240MHz	Pass	AV	5.3762G	41.31	54.00	-12.69	3	Horizontal	39	1.00
5240MHz	Pass	PK	5.1176G	53.69	74.00	-20.31	3	Horizontal	39	1.00
5240MHz	Pass	PK	5.2376G	117.23	Inf	-Inf	3	Horizontal	39	1.00
5240MHz	Pass	PK	5.3522G	54.32	74.00	-19.68	3	Horizontal	39	1.00
5240MHz	Pass	AV	15.72466G	46.06	54.00	-7.94	3	Vertical	19	1.00
5240MHz	Pass	PK	10.48142G	50.70	68.20	-17.50	3	Vertical	280	1.50
5240MHz	Pass	PK	15.7151G	63.64	74.00	-10.36	3	Vertical	19	1.00
5240MHz	Pass	AV	15.72352G	43.58	54.00	-10.42	3	Horizontal	314	1.50
5240MHz	Pass	PK	10.482G	50.11	68.20	-18.09	3	Horizontal	322	1.97
5240MHz	Pass	PK	15.72352G	59.90	74.00	-14.10	3	Horizontal	314	1.50
5260MHz	Pass	AV	5.1454G	40.56	54.00	-13.44	3	Vertical	336	1.73
5260MHz	Pass	AV	5.257G	102.09	Inf	-Inf	3	Vertical	336	1.73
5260MHz	Pass	AV	5.3764G	41.67	54.00	-12.33	3	Vertical	336	1.73
5260MHz	Pass	PK	5.137G	54.03	74.00	-19.97	3	Vertical	336	1.73
5260MHz	Pass	PK	5.257G	114.73	Inf	-Inf	3	Vertical	336	1.73
5260MHz	Pass	PK	5.3902G	54.91	74.00	-19.09	3	Vertical	336	1.73
5260MHz	Pass	AV	5.1424G	40.42	54.00	-13.58	3	Horizontal	40	1.10
5260MHz	Pass	AV	5.2618G	102.49	Inf	-Inf	3	Horizontal	40	1.10
5260MHz	Pass	AV	5.3758G	41.33	54.00	-12.67	3	Horizontal	40	1.10
5260MHz	Pass	PK	5.1442G	53.25	74.00	-20.75	3	Horizontal	40	1.10
5260MHz	Pass	PK	5.2624G	115.23	Inf	-Inf	3	Horizontal	40	1.10
5260MHz	Pass	PK	5.3848G	54.82	74.00	-19.18	3	Horizontal	40	1.10
5260MHz	Pass	AV	15.7791G	45.38	54.00	-8.62	3	Vertical	18	1.00
5260MHz	Pass	PK	10.51804G	50.28	68.20	-17.92	3	Vertical	89	1.16
5260MHz	Pass	PK	15.77944G	62.98	74.00	-11.02	3	Vertical	18	1.00
5260MHz	Pass	AV	15.77882G	42.84	54.00	-11.16	3	Horizontal	314	1.57
5260MHz	Pass	PK	10.52128G	50.15	68.20	-18.05	3	Horizontal	335	2.14
5260MHz	Pass	PK	15.77824G	58.54	74.00	-15.46	3	Horizontal	314	1.57
5300MHz	Pass	AV	5.2984G	101.71	Inf	-Inf	3	Vertical	348	1.34
5300MHz	Pass	AV	5.376G	41.47	54.00	-12.53	3	Vertical	348	1.34
5300MHz	Pass	PK	5.2988G	115.07	Inf	-Inf	3	Vertical	348	1.34
5300MHz	Pass	PK	5.3928G	55.63	74.00	-18.37	3	Vertical	348	1.34
5300MHz	Pass	AV	5.3016G	102.97	Inf	-Inf	3	Horizontal	39	1.01
5300MHz	Pass	AV	5.3516G	41.49	54.00	-12.51	3	Horizontal	39	1.01
5300MHz	Pass	PK	5.3012G	116.13	Inf	-Inf	3	Horizontal	39	1.01
5300MHz	Pass	PK	5.3964G	54.61	74.00	-19.39	3	Horizontal	39	1.01
5300MHz	Pass	AV	15.90078G	45.25	54.00	-8.75	3	Vertical	17	1.00
5300MHz	Pass	PK	10.59868G	50.88	68.20	-17.32	3	Vertical	268	1.50
5300MHz	Pass	PK	15.89994G	60.80	74.00	-13.20	3	Vertical	17	1.00
5300MHz	Pass	AV	15.89932G	42.50	54.00	-11.50	3	Horizontal	315	1.48
5300MHz	Pass	PK	10.59732G	51.65	68.20	-16.55	3	Horizontal	344	1.50
5300MHz	Pass	PK	15.89944G	59.15	74.00	-14.85	3	Horizontal	315	1.48
5320MHz	Pass	AV	5.3214G	103.14	Inf	-Inf	3	Vertical	340	1.00
5320MHz	Pass	AV	5.3506G	45.08	54.00	-8.92	3	Vertical	340	1.00
5320MHz	Pass	PK	5.3208G	116.57	Inf	-Inf	3	Vertical	340	1.00
5320MHz	Pass	PK	5.3506G	58.55	74.00	-15.45	3	Vertical	340	1.00
5320MHz	Pass	AV	5.3172G	102.30	Inf	-Inf	3	Horizontal	39	1.50
5320MHz	Pass	AV	5.3572G	43.35	54.00	-10.65	3	Horizontal	39	1.50
5320MHz	Pass	PK	5.3174G	116.59	Inf	-Inf	3	Horizontal	39	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5320MHz	Pass	PK	5.3562G	58.28	74.00	-15.72	3	Horizontal	39	1.50
5320MHz	Pass	AV	10.64456G	38.19	54.00	-15.81	3	Vertical	144	1.27
5320MHz	Pass	AV	15.96472G	45.36	54.00	-8.64	3	Vertical	54	2.91
5320MHz	Pass	PK	10.64832G	51.18	74.00	-22.82	3	Vertical	144	1.27
5320MHz	Pass	PK	15.95484G	62.63	74.00	-11.37	3	Vertical	54	2.91
5320MHz	Pass	AV	10.64592G	38.31	54.00	-15.69	3	Horizontal	42	2.25
5320MHz	Pass	AV	15.95448G	42.93	54.00	-11.07	3	Horizontal	323	1.00
5320MHz	Pass	PK	10.64696G	51.61	74.00	-22.39	3	Horizontal	42	2.25
5320MHz	Pass	PK	15.95488G	59.09	74.00	-14.91	3	Horizontal	323	1.00
5500MHz	Pass	AV	5.4594G	43.77	54.00	-10.23	3	Vertical	15	1.01
5500MHz	Pass	AV	5.4982G	101.70	Inf	-Inf	3	Vertical	15	1.01
5500MHz	Pass	PK	5.459G	58.34	74.00	-15.66	3	Vertical	15	1.01
5500MHz	Pass	PK	5.4686G	64.27	68.20	-3.93	3	Vertical	15	1.01
5500MHz	Pass	PK	5.4988G	115.58	Inf	-Inf	3	Vertical	15	1.01
5500MHz	Pass	AV	5.4592G	43.46	54.00	-10.54	3	Horizontal	53	2.70
5500MHz	Pass	AV	5.497G	103.26	Inf	-Inf	3	Horizontal	53	2.70
5500MHz	Pass	PK	5.459G	58.48	74.00	-15.52	3	Horizontal	53	2.70
5500MHz	Pass	PK	5.4668G	62.99	68.20	-5.21	3	Horizontal	53	2.70
5500MHz	Pass	PK	5.4976G	116.91	Inf	-Inf	3	Horizontal	53	2.70
5500MHz	Pass	AV	11.0008G	38.55	54.00	-15.45	3	Vertical	35	1.50
5500MHz	Pass	PK	10.99496G	51.80	74.00	-22.20	3	Vertical	35	1.50
5500MHz	Pass	PK	16.4926G	61.42	68.20	-6.78	3	Vertical	334	1.41
5500MHz	Pass	AV	10.99196G	38.61	54.00	-15.39	3	Horizontal	261	1.50
5500MHz	Pass	PK	11.0046G	51.42	74.00	-22.58	3	Horizontal	261	1.50
5500MHz	Pass	PK	16.50348G	62.00	68.20	-6.20	3	Horizontal	314	1.49
5580MHz	Pass	AV	5.454G	40.64	54.00	-13.36	3	Vertical	34	1.50
5580MHz	Pass	AV	5.5782G	101.54	Inf	-Inf	3	Vertical	34	1.50
5580MHz	Pass	PK	5.4594G	53.58	74.00	-20.42	3	Vertical	34	1.50
5580MHz	Pass	PK	5.4678G	53.71	68.20	-14.49	3	Vertical	34	1.50
5580MHz	Pass	PK	5.5788G	113.41	Inf	-Inf	3	Vertical	34	1.50
5580MHz	Pass	PK	5.7276G	55.07	68.20	-13.13	3	Vertical	34	1.50
5580MHz	Pass	AV	5.4594G	40.74	54.00	-13.26	3	Horizontal	345	1.50
5580MHz	Pass	AV	5.5806G	100.95	Inf	-Inf	3	Horizontal	345	1.50
5580MHz	Pass	PK	5.4366G	53.67	74.00	-20.33	3	Horizontal	345	1.50
5580MHz	Pass	PK	5.4672G	53.61	68.20	-14.59	3	Horizontal	345	1.50
5580MHz	Pass	PK	5.5788G	114.57	Inf	-Inf	3	Horizontal	345	1.50
5580MHz	Pass	PK	5.73G	54.49	68.20	-13.71	3	Horizontal	345	1.50
5580MHz	Pass	AV	11.15208G	38.36	54.00	-15.64	3	Vertical	83	1.14
5580MHz	Pass	PK	11.15888G	51.94	74.00	-22.06	3	Vertical	83	1.14
5580MHz	Pass	PK	16.73148G	65.74	68.20	-2.46	3	Vertical	48	2.80
5580MHz	Pass	AV	11.15068G	38.55	54.00	-15.45	3	Horizontal	23	1.09
5580MHz	Pass	PK	11.15096G	51.34	74.00	-22.66	3	Horizontal	23	1.09
5580MHz	Pass	PK	16.74372G	61.38	68.20	-6.82	3	Horizontal	321	1.76
5700MHz	Pass	AV	5.7032G	103.31	Inf	-Inf	3	Vertical	34	1.68
5700MHz	Pass	PK	5.702G	116.36	Inf	-Inf	3	Vertical	34	1.68
5700MHz	Pass	PK	5.7268G	63.79	68.20	-4.41	3	Vertical	34	1.68
5700MHz	Pass	AV	5.6968G	104.65	Inf	-Inf	3	Horizontal	63	2.49
5700MHz	Pass	PK	5.6992G	117.35	Inf	-Inf	3	Horizontal	63	2.49
5700MHz	Pass	PK	5.726G	66.75	68.20	-1.45	3	Horizontal	63	2.49
5700MHz	Pass	AV	11.40124G	39.24	54.00	-14.76	3	Vertical	5	1.78
5700MHz	Pass	PK	11.39808G	51.30	74.00	-22.70	3	Vertical	5	1.78
5700MHz	Pass	PK	17.10904G	56.30	68.20	-11.90	3	Vertical	360	2.12
5700MHz	Pass	AV	11.39984G	38.86	54.00	-15.14	3	Horizontal	325	1.50
5700MHz	Pass	PK	11.40752G	51.22	74.00	-22.78	3	Horizontal	325	1.50
5700MHz	Pass	PK	17.10692G	54.07	68.20	-14.13	3	Horizontal	322	2.15
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4572G	40.59	54.00	-13.41	3	Vertical	35	1.79
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7176G	102.78	Inf	-Inf	3	Vertical	35	1.79
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4404G	54.27	74.00	-19.73	3	Vertical	35	1.79
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4644G	53.43	68.20	-14.77	3	Vertical	35	1.79
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7176G	117.14	Inf	-Inf	3	Vertical	35	1.79
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9708G	57.88	68.20	-10.32	3	Vertical	35	1.79
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4584G	40.87	54.00	-13.13	3	Horizontal	57	2.48

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7212G	104.29	Inf	-Inf	3	Horizontal	57	2.48
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4272G	53.27	74.00	-20.73	3	Horizontal	57	2.48
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4644G	53.58	68.20	-14.62	3	Horizontal	57	2.48
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7212G	117.72	Inf	-Inf	3	Horizontal	57	2.48
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9072G	56.57	68.20	-11.63	3	Horizontal	57	2.48
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43688G	39.20	54.00	-14.80	3	Vertical	19	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44308G	52.11	74.00	-21.89	3	Vertical	19	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.1642G	56.22	68.20	-11.98	3	Vertical	5	2.85
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43128G	39.18	54.00	-14.82	3	Horizontal	63	2.46
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44576G	51.74	74.00	-22.26	3	Horizontal	63	2.46
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.15408G	54.12	68.20	-14.08	3	Horizontal	28	1.97
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.15G	47.69	54.00	-6.31	3	Vertical	336	1.79
5190MHz	Pass	AV	5.1916G	98.46	Inf	-Inf	3	Vertical	336	1.79
5190MHz	Pass	PK	5.1492G	60.30	74.00	-13.70	3	Vertical	336	1.79
5190MHz	Pass	PK	5.1908G	110.95	Inf	-Inf	3	Vertical	336	1.79
5190MHz	Pass	AV	5.148G	47.86	54.00	-6.14	3	Horizontal	39	1.09
5190MHz	Pass	AV	5.1864G	99.13	Inf	-Inf	3	Horizontal	39	1.09
5190MHz	Pass	PK	5.1488G	61.20	74.00	-12.80	3	Horizontal	39	1.09
5190MHz	Pass	PK	5.1972G	112.34	Inf	-Inf	3	Horizontal	39	1.09
5190MHz	Pass	AV	15.57328G	41.48	54.00	-12.52	3	Vertical	325	1.56
5190MHz	Pass	PK	10.3912G	50.67	68.20	-17.53	3	Vertical	205	1.82
5190MHz	Pass	PK	15.56864G	55.46	74.00	-18.54	3	Vertical	325	1.56
5190MHz	Pass	AV	15.56864G	41.89	54.00	-12.11	3	Horizontal	40	1.79
5190MHz	Pass	PK	10.39848G	51.69	68.20	-16.51	3	Horizontal	302	1.50
5190MHz	Pass	PK	15.55088G	55.02	74.00	-18.98	3	Horizontal	40	1.79
5230MHz	Pass	AV	5.1496G	42.71	54.00	-11.29	3	Vertical	339	1.05
5230MHz	Pass	AV	5.2312G	101.51	Inf	-Inf	3	Vertical	339	1.05
5230MHz	Pass	PK	5.15G	56.23	74.00	-17.77	3	Vertical	339	1.05
5230MHz	Pass	PK	5.2312G	113.85	Inf	-Inf	3	Vertical	339	1.05
5230MHz	Pass	AV	5.1476G	43.19	54.00	-10.81	3	Horizontal	40	1.08
5230MHz	Pass	AV	5.2268G	101.92	Inf	-Inf	3	Horizontal	40	1.08
5230MHz	Pass	PK	5.1472G	56.20	74.00	-17.80	3	Horizontal	40	1.08
5230MHz	Pass	PK	5.2276G	114.83	Inf	-Inf	3	Horizontal	40	1.08
5230MHz	Pass	AV	15.68928G	46.37	54.00	-7.63	3	Vertical	323	1.00
5230MHz	Pass	PK	10.44296G	51.50	68.20	-16.70	3	Vertical	122	1.34
5230MHz	Pass	PK	15.67968G	59.34	74.00	-14.66	3	Vertical	323	1.00
5230MHz	Pass	AV	15.68928G	43.74	54.00	-10.26	3	Horizontal	314	1.45
5230MHz	Pass	PK	10.44648G	50.84	68.20	-17.36	3	Horizontal	38	2.13
5230MHz	Pass	PK	15.68952G	57.75	74.00	-16.25	3	Horizontal	314	1.45
5270MHz	Pass	AV	5.272G	101.45	Inf	-Inf	3	Vertical	334	1.86
5270MHz	Pass	AV	5.3512G	43.00	54.00	-11.00	3	Vertical	334	1.86
5270MHz	Pass	PK	5.272G	114.16	Inf	-Inf	3	Vertical	334	1.86
5270MHz	Pass	PK	5.352G	56.34	74.00	-17.66	3	Vertical	334	1.86
5270MHz	Pass	AV	5.2668G	101.41	Inf	-Inf	3	Horizontal	41	1.20
5270MHz	Pass	AV	5.3564G	42.36	54.00	-11.64	3	Horizontal	41	1.20
5270MHz	Pass	PK	5.2772G	113.59	Inf	-Inf	3	Horizontal	41	1.20
5270MHz	Pass	PK	5.3572G	54.93	74.00	-19.07	3	Horizontal	41	1.20
5270MHz	Pass	AV	15.8096G	46.32	54.00	-7.68	3	Vertical	18	1.00
5270MHz	Pass	PK	10.528G	51.34	68.20	-16.86	3	Vertical	289	1.50
5270MHz	Pass	PK	15.79968G	60.33	74.00	-13.67	3	Vertical	18	1.00
5270MHz	Pass	AV	15.80848G	43.44	54.00	-10.56	3	Horizontal	314	1.43
5270MHz	Pass	PK	10.54352G	51.56	68.20	-16.64	3	Horizontal	277	2.54
5270MHz	Pass	PK	15.80696G	56.05	74.00	-17.95	3	Horizontal	314	1.43
5310MHz	Pass	AV	5.306G	100.12	Inf	-Inf	3	Vertical	341	1.00
5310MHz	Pass	AV	5.3556G	46.01	54.00	-7.99	3	Vertical	341	1.00
5310MHz	Pass	PK	5.3064G	112.27	Inf	-Inf	3	Vertical	341	1.00
5310MHz	Pass	PK	5.3548G	59.46	74.00	-14.54	3	Vertical	341	1.00
5310MHz	Pass	AV	5.3124G	99.86	Inf	-Inf	3	Horizontal	41	1.41
5310MHz	Pass	AV	5.3512G	47.12	54.00	-6.88	3	Horizontal	41	1.41
5310MHz	Pass	PK	5.3112G	112.67	Inf	-Inf	3	Horizontal	41	1.41
5310MHz	Pass	PK	5.3504G	59.94	74.00	-14.06	3	Horizontal	41	1.41

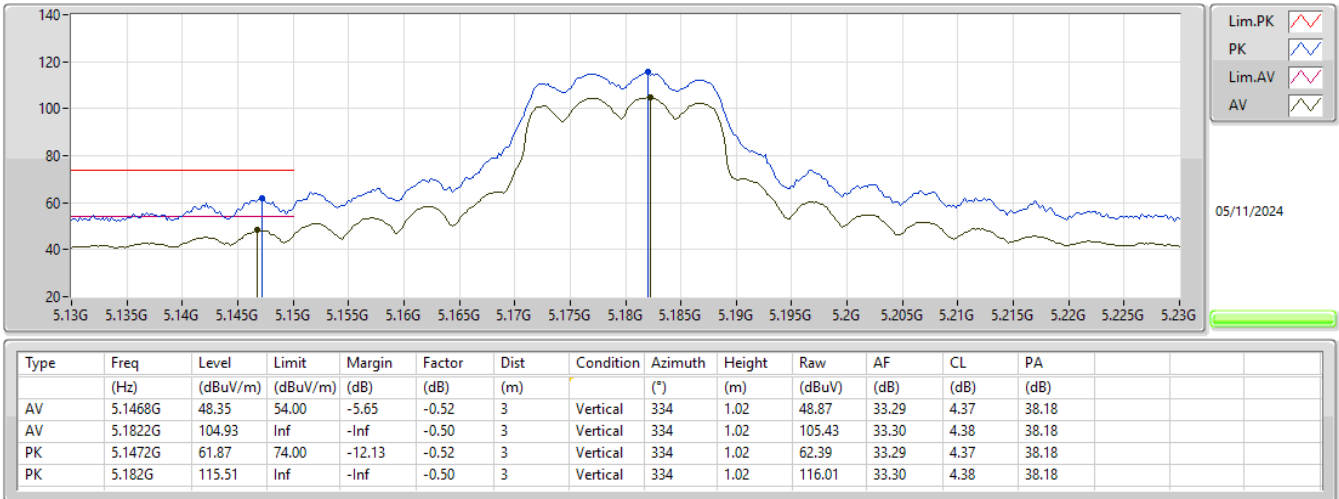
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5310MHz	Pass	AV	10.60152G	38.19	54.00	-15.81	3	Vertical	20	2.46
5310MHz	Pass	AV	15.9304G	43.47	54.00	-10.53	3	Vertical	51	3.00
5310MHz	Pass	PK	10.61464G	51.15	74.00	-22.85	3	Vertical	20	2.46
5310MHz	Pass	PK	15.93104G	56.52	74.00	-17.48	3	Vertical	51	3.00
5310MHz	Pass	AV	10.62952G	38.21	54.00	-15.79	3	Horizontal	350	2.97
5310MHz	Pass	AV	15.93976G	41.86	54.00	-12.14	3	Horizontal	314	1.50
5310MHz	Pass	PK	10.62176G	51.86	74.00	-22.14	3	Horizontal	350	2.97
5310MHz	Pass	PK	15.94032G	55.49	74.00	-18.51	3	Horizontal	314	1.50
5510MHz	Pass	AV	5.4536G	44.38	54.00	-9.62	3	Vertical	16	1.13
5510MHz	Pass	AV	5.5136G	98.84	Inf	-Inf	3	Vertical	16	1.13
5510MHz	Pass	PK	5.4544G	58.72	74.00	-15.28	3	Vertical	16	1.13
5510MHz	Pass	PK	5.4632G	63.66	68.20	-4.54	3	Vertical	16	1.13
5510MHz	Pass	PK	5.5128G	111.03	Inf	-Inf	3	Vertical	16	1.13
5510MHz	Pass	AV	5.46G	47.12	54.00	-6.88	3	Horizontal	54	2.76
5510MHz	Pass	AV	5.5116G	100.24	Inf	-Inf	3	Horizontal	54	2.76
5510MHz	Pass	PK	5.4592G	62.65	74.00	-11.35	3	Horizontal	54	2.76
5510MHz	Pass	PK	5.4616G	66.21	68.20	-1.99	3	Horizontal	54	2.76
5510MHz	Pass	PK	5.5128G	113.61	Inf	-Inf	3	Horizontal	54	2.76
5510MHz	Pass	AV	11.00864G	38.59	54.00	-15.41	3	Vertical	27	1.33
5510MHz	Pass	PK	11.02472G	51.08	74.00	-22.92	3	Vertical	27	1.33
5510MHz	Pass	PK	16.53352G	55.87	68.20	-12.33	3	Vertical	334	1.48
5510MHz	Pass	AV	11.0092G	38.58	54.00	-15.42	3	Horizontal	201	2.69
5510MHz	Pass	PK	11.01536G	51.83	74.00	-22.17	3	Horizontal	201	2.69
5510MHz	Pass	PK	16.53368G	56.81	68.20	-11.39	3	Horizontal	313	1.55
5550MHz	Pass	AV	5.46G	45.04	54.00	-8.96	3	Vertical	21	1.53
5550MHz	Pass	AV	5.5512G	99.80	Inf	-Inf	3	Vertical	21	1.53
5550MHz	Pass	PK	5.46G	62.60	74.00	-11.40	3	Vertical	21	1.53
5550MHz	Pass	PK	5.4696G	63.49	68.20	-4.71	3	Vertical	21	1.53
5550MHz	Pass	PK	5.542G	111.90	Inf	-Inf	3	Vertical	21	1.53
5550MHz	Pass	AV	5.4576G	45.26	54.00	-8.74	3	Horizontal	54	2.71
5550MHz	Pass	AV	5.5464G	102.01	Inf	-Inf	3	Horizontal	54	2.71
5550MHz	Pass	PK	5.456G	62.65	74.00	-11.35	3	Horizontal	54	2.71
5550MHz	Pass	PK	5.4672G	66.58	68.20	-1.62	3	Horizontal	54	2.71
5550MHz	Pass	PK	5.5472G	114.91	Inf	-Inf	3	Horizontal	54	2.71
5550MHz	Pass	AV	11.11888G	38.48	54.00	-15.52	3	Vertical	321	1.57
5550MHz	Pass	PK	11.09768G	51.81	74.00	-22.19	3	Vertical	321	1.57
5550MHz	Pass	PK	16.65256G	62.42	68.20	-5.78	3	Vertical	42	3.00
5550MHz	Pass	AV	11.11656G	38.48	54.00	-15.52	3	Horizontal	334	1.50
5550MHz	Pass	PK	11.12G	51.30	74.00	-22.70	3	Horizontal	334	1.50
5550MHz	Pass	PK	16.65264G	59.29	68.20	-8.91	3	Horizontal	313	2.10
5670MHz	Pass	AV	5.6658G	100.34	Inf	-Inf	3	Vertical	15	1.49
5670MHz	Pass	PK	5.6754G	114.09	Inf	-Inf	3	Vertical	15	1.49
5670MHz	Pass	PK	5.7264G	66.21	68.20	-1.99	3	Vertical	15	1.49
5670MHz	Pass	AV	5.6718G	102.58	Inf	-Inf	3	Horizontal	55	2.54
5670MHz	Pass	PK	5.6718G	115.36	Inf	-Inf	3	Horizontal	55	2.54
5670MHz	Pass	PK	5.7264G	67.57	68.20	-0.63	3	Horizontal	55	2.54
5670MHz	Pass	AV	11.35696G	38.45	54.00	-15.55	3	Vertical	118	2.37
5670MHz	Pass	PK	11.32552G	51.82	74.00	-22.18	3	Vertical	118	2.37
5670MHz	Pass	PK	16.99688G	55.08	68.20	-13.12	3	Vertical	0	2.83
5670MHz	Pass	AV	11.3536G	38.47	54.00	-15.53	3	Horizontal	17	2.98
5670MHz	Pass	PK	11.3428G	51.58	74.00	-22.42	3	Horizontal	17	2.98
5670MHz	Pass	PK	17.01544G	53.90	68.20	-14.30	3	Horizontal	323	2.16
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4256G	40.61	54.00	-13.39	3	Vertical	36	1.63
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7124G	101.39	Inf	-Inf	3	Vertical	36	1.63
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4328G	53.95	74.00	-20.05	3	Vertical	36	1.63
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4676G	52.81	68.20	-15.39	3	Vertical	36	1.63
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7136G	112.73	Inf	-Inf	3	Vertical	36	1.63
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.9812G	56.12	68.20	-12.08	3	Vertical	36	1.63
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.458G	40.94	54.00	-13.06	3	Horizontal	55	2.57
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7076G	103.07	Inf	-Inf	3	Horizontal	55	2.57
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4364G	54.56	74.00	-19.44	3	Horizontal	55	2.57
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4676G	53.76	68.20	-14.44	3	Horizontal	55	2.57

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7172G	115.61	Inf	-Inf	3	Horizontal	55	2.57
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.9704G	56.27	68.20	-11.93	3	Horizontal	55	2.57
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.418G	39.03	54.00	-14.97	3	Vertical	5	1.50
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.42048G	51.69	74.00	-22.31	3	Vertical	5	1.50
5710MHz Straddle 5.47-5.725GHz	Pass	PK	17.1276G	54.55	68.20	-13.65	3	Vertical	360	2.13
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.41968G	39.24	54.00	-14.76	3	Horizontal	52	2.56
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.4292G	51.99	74.00	-22.01	3	Horizontal	52	2.56
5710MHz Straddle 5.47-5.725GHz	Pass	PK	17.1308G	53.67	68.20	-14.53	3	Horizontal	22	1.31
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.15G	48.03	54.00	-5.97	3	Vertical	336	1.75
5210MHz	Pass	AV	5.212G	92.31	Inf	-Inf	3	Vertical	336	1.75
5210MHz	Pass	AV	5.352G	41.32	54.00	-12.68	3	Vertical	336	1.75
5210MHz	Pass	PK	5.141G	60.93	74.00	-13.07	3	Vertical	336	1.75
5210MHz	Pass	PK	5.212G	104.53	Inf	-Inf	3	Vertical	336	1.75
5210MHz	Pass	PK	5.423G	54.51	74.00	-19.49	3	Vertical	336	1.75
5210MHz	Pass	AV	5.147G	48.87	54.00	-5.13	3	Horizontal	38	1.07
5210MHz	Pass	AV	5.217G	92.78	Inf	-Inf	3	Horizontal	38	1.07
5210MHz	Pass	AV	5.454G	41.23	54.00	-12.77	3	Horizontal	38	1.07
5210MHz	Pass	PK	5.145G	61.88	74.00	-12.12	3	Horizontal	38	1.07
5210MHz	Pass	PK	5.207G	105.08	Inf	-Inf	3	Horizontal	38	1.07
5210MHz	Pass	PK	5.368G	54.49	74.00	-19.51	3	Horizontal	38	1.07
5210MHz	Pass	AV	15.60312G	40.83	54.00	-13.17	3	Vertical	339	2.05
5210MHz	Pass	PK	10.43088G	51.19	68.20	-17.01	3	Vertical	285	2.19
5210MHz	Pass	PK	15.59736G	54.51	74.00	-19.49	3	Vertical	339	2.05
5210MHz	Pass	AV	15.59864G	40.60	54.00	-13.40	3	Horizontal	29	1.50
5210MHz	Pass	PK	10.43056G	50.82	68.20	-17.38	3	Horizontal	339	2.81
5210MHz	Pass	PK	15.66376G	54.45	74.00	-19.55	3	Horizontal	29	1.50
5290MHz	Pass	AV	5.144G	41.29	54.00	-12.71	3	Vertical	334	1.00
5290MHz	Pass	AV	5.295G	95.52	Inf	-Inf	3	Vertical	334	1.00
5290MHz	Pass	AV	5.355G	51.71	54.00	-2.29	3	Vertical	334	1.00
5290MHz	Pass	PK	5.142G	54.27	74.00	-19.73	3	Vertical	334	1.00
5290MHz	Pass	PK	5.294G	107.02	Inf	-Inf	3	Vertical	334	1.00
5290MHz	Pass	PK	5.355G	64.51	74.00	-9.49	3	Vertical	334	1.00
5290MHz	Pass	PK	5.535G	55.79	68.20	-12.41	3	Vertical	334	1.00
5290MHz	Pass	AV	5.15G	42.09	54.00	-11.91	3	Horizontal	40	1.06
5290MHz	Pass	AV	5.292G	94.78	Inf	-Inf	3	Horizontal	40	1.06
5290MHz	Pass	AV	5.352G	49.97	54.00	-4.03	3	Horizontal	40	1.06
5290MHz	Pass	PK	5.14G	54.50	74.00	-19.50	3	Horizontal	40	1.06
5290MHz	Pass	PK	5.282G	106.73	Inf	-Inf	3	Horizontal	40	1.06
5290MHz	Pass	PK	5.351G	62.21	74.00	-11.79	3	Horizontal	40	1.06
5290MHz	Pass	PK	5.512G	54.66	68.20	-13.54	3	Horizontal	40	1.06
5290MHz	Pass	AV	10.6016G	38.17	54.00	-15.83	3	Vertical	5	1.50
5290MHz	Pass	AV	15.91G	41.38	54.00	-12.62	3	Vertical	177	1.36
5290MHz	Pass	PK	10.61696G	51.46	74.00	-22.54	3	Vertical	5	1.50
5290MHz	Pass	PK	15.87864G	53.78	74.00	-20.22	3	Vertical	177	1.36
5290MHz	Pass	AV	10.60064G	38.18	54.00	-15.82	3	Horizontal	281	1.50
5290MHz	Pass	AV	15.90728G	41.33	54.00	-12.67	3	Horizontal	257	1.50
5290MHz	Pass	PK	10.6016G	51.44	74.00	-22.56	3	Horizontal	281	1.50
5290MHz	Pass	PK	15.90952G	54.57	74.00	-19.43	3	Horizontal	257	1.50
5530MHz	Pass	AV	5.35G	40.32	54.00	-13.68	3	Vertical	39	1.42
5530MHz	Pass	AV	5.458G	48.35	54.00	-5.65	3	Vertical	39	1.42
5530MHz	Pass	AV	5.528G	94.18	Inf	-Inf	3	Vertical	39	1.42
5530MHz	Pass	PK	5.348G	53.72	68.20	-14.48	3	Vertical	39	1.42
5530MHz	Pass	PK	5.458G	61.70	74.00	-12.30	3	Vertical	39	1.42
5530MHz	Pass	PK	5.469G	62.22	68.20	-5.98	3	Vertical	39	1.42
5530MHz	Pass	PK	5.528G	105.45	Inf	-Inf	3	Vertical	39	1.42
5530MHz	Pass	PK	5.738G	55.20	68.20	-13.00	3	Vertical	39	1.42
5530MHz	Pass	AV	5.35G	40.64	54.00	-13.36	3	Horizontal	56	2.74
5530MHz	Pass	AV	5.46G	48.92	54.00	-5.08	3	Horizontal	56	2.74
5530MHz	Pass	AV	5.532G	96.96	Inf	-Inf	3	Horizontal	56	2.74
5530MHz	Pass	PK	5.338G	53.99	68.20	-14.21	3	Horizontal	56	2.74
5530MHz	Pass	PK	5.452G	62.13	74.00	-11.87	3	Horizontal	56	2.74

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5530MHz	Pass	PK	5.463G	64.79	68.20	-3.41	3	Horizontal	56	2.74
5530MHz	Pass	PK	5.543G	108.73	Inf	-Inf	3	Horizontal	56	2.74
5530MHz	Pass	PK	5.742G	55.38	68.20	-12.82	3	Horizontal	56	2.74
5530MHz	Pass	AV	11.03984G	38.49	54.00	-15.51	3	Vertical	199	1.50
5530MHz	Pass	PK	11.0384G	51.25	74.00	-22.75	3	Vertical	199	1.50
5530MHz	Pass	PK	16.57912G	53.03	68.20	-15.17	3	Vertical	359	1.50
5530MHz	Pass	AV	11.03776G	38.51	54.00	-15.49	3	Horizontal	152	1.00
5530MHz	Pass	PK	11.06928G	51.46	74.00	-22.54	3	Horizontal	152	1.00
5530MHz	Pass	PK	16.59496G	53.00	68.20	-15.20	3	Horizontal	10	1.12
5610MHz	Pass	AV	5.459G	43.80	54.00	-10.20	3	Vertical	40	1.49
5610MHz	Pass	AV	5.608G	95.52	Inf	-Inf	3	Vertical	40	1.49
5610MHz	Pass	PK	5.439G	59.73	74.00	-14.27	3	Vertical	40	1.49
5610MHz	Pass	PK	5.47G	61.27	68.20	-6.93	3	Vertical	40	1.49
5610MHz	Pass	PK	5.607G	107.79	Inf	-Inf	3	Vertical	40	1.49
5610MHz	Pass	PK	5.726G	63.50	68.20	-4.70	3	Vertical	40	1.49
5610MHz	Pass	AV	5.46G	44.09	54.00	-9.91	3	Horizontal	55	2.50
5610MHz	Pass	AV	5.611G	97.95	Inf	-Inf	3	Horizontal	55	2.50
5610MHz	Pass	PK	5.444G	60.56	74.00	-13.44	3	Horizontal	55	2.50
5610MHz	Pass	PK	5.47G	61.83	68.20	-6.37	3	Horizontal	55	2.50
5610MHz	Pass	PK	5.621G	109.84	Inf	-Inf	3	Horizontal	55	2.50
5610MHz	Pass	PK	5.732G	65.00	68.20	-3.20	3	Horizontal	55	2.50
5610MHz	Pass	AV	11.22852G	37.97	54.00	-16.03	3	Vertical	320	1.70
5610MHz	Pass	PK	11.21358G	52.26	74.00	-21.74	3	Vertical	320	1.70
5610MHz	Pass	PK	16.81824G	54.22	68.20	-13.98	3	Vertical	360	1.87
5610MHz	Pass	AV	11.21466G	38.03	54.00	-15.97	3	Horizontal	323	1.03
5610MHz	Pass	PK	11.22936G	51.27	74.00	-22.73	3	Horizontal	323	1.03
5610MHz	Pass	PK	16.8258G	54.31	68.20	-13.89	3	Horizontal	218	2.78
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4596G	41.09	54.00	-12.91	3	Vertical	35	1.80
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6876G	97.88	Inf	-Inf	3	Vertical	35	1.80
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.45G	55.95	74.00	-18.05	3	Vertical	35	1.80
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4692G	55.28	68.20	-12.92	3	Vertical	35	1.80
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6876G	109.92	Inf	-Inf	3	Vertical	35	1.80
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8664G	60.63	68.20	-7.57	3	Vertical	35	1.80
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4536G	41.58	54.00	-12.42	3	Horizontal	64	2.36
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6924G	99.41	Inf	-Inf	3	Horizontal	64	2.36
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4536G	55.74	74.00	-18.26	3	Horizontal	64	2.36
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4608G	56.60	68.20	-11.60	3	Horizontal	64	2.36
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6828G	113.20	Inf	-Inf	3	Horizontal	64	2.36
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.87G	61.18	68.20	-7.02	3	Horizontal	64	2.36
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.38876G	38.65	54.00	-15.35	3	Vertical	328	1.05
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.3677G	52.42	74.00	-21.58	3	Vertical	328	1.05
5690MHz Straddle 5.47-5.725GHz	Pass	PK	17.08116G	53.68	68.20	-14.52	3	Vertical	146	1.83
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.38594G	38.67	54.00	-15.33	3	Horizontal	346	2.48
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.37382G	52.87	74.00	-21.13	3	Horizontal	346	2.48
5690MHz Straddle 5.47-5.725GHz	Pass	PK	17.08044G	53.69	68.20	-14.51	3	Horizontal	135	1.66

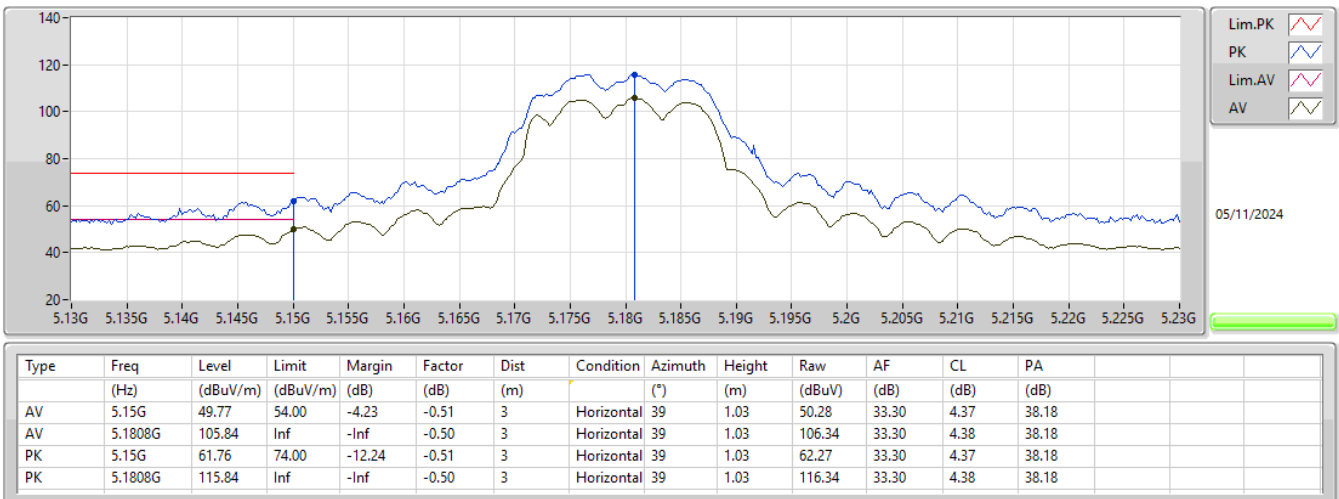
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5180MHz_TX



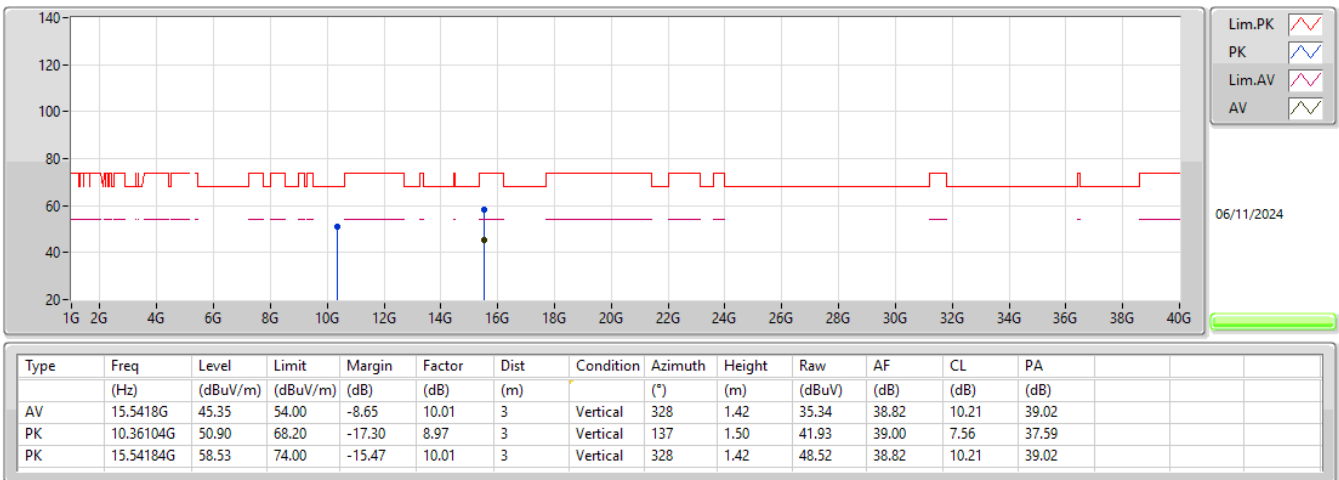
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5180MHz_TX



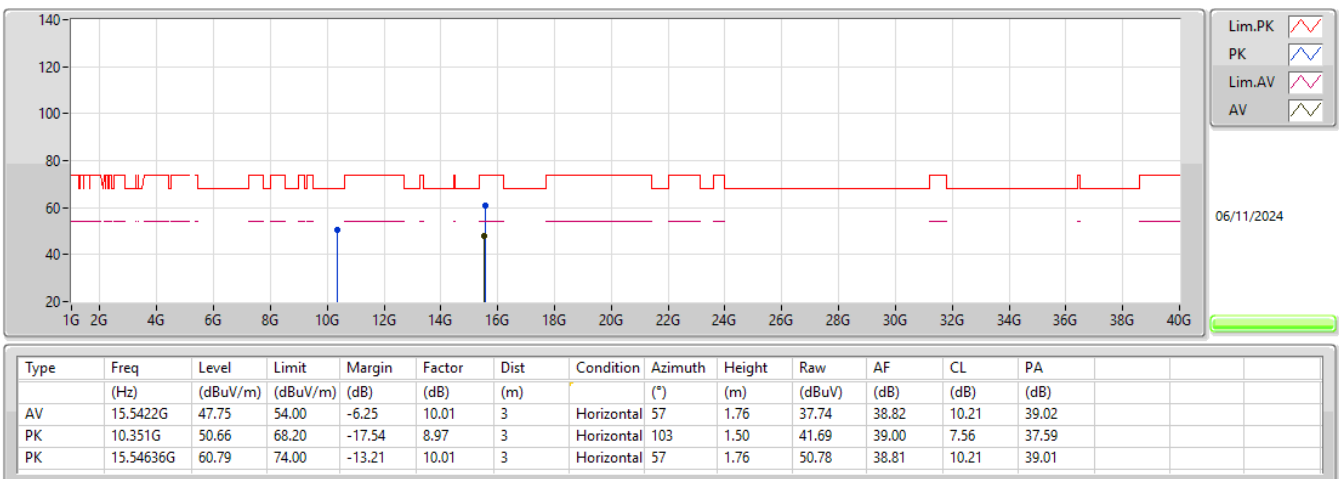
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5180MHz_TX



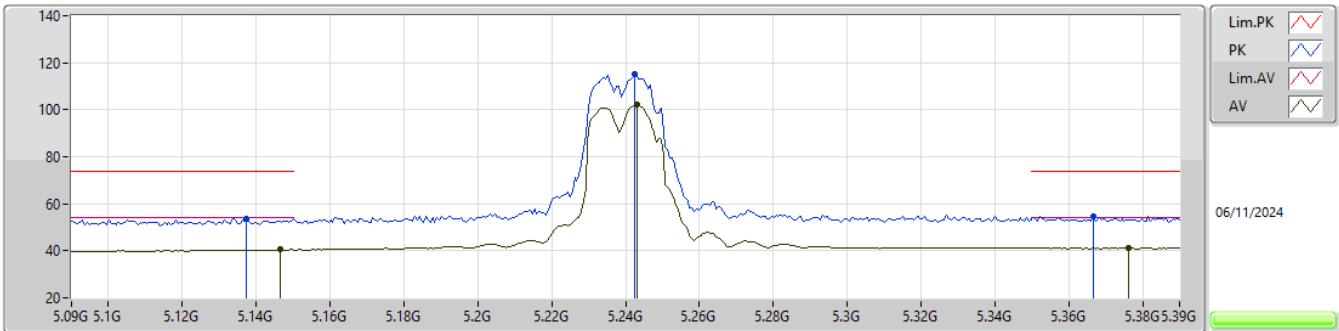
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5180MHz_TX



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

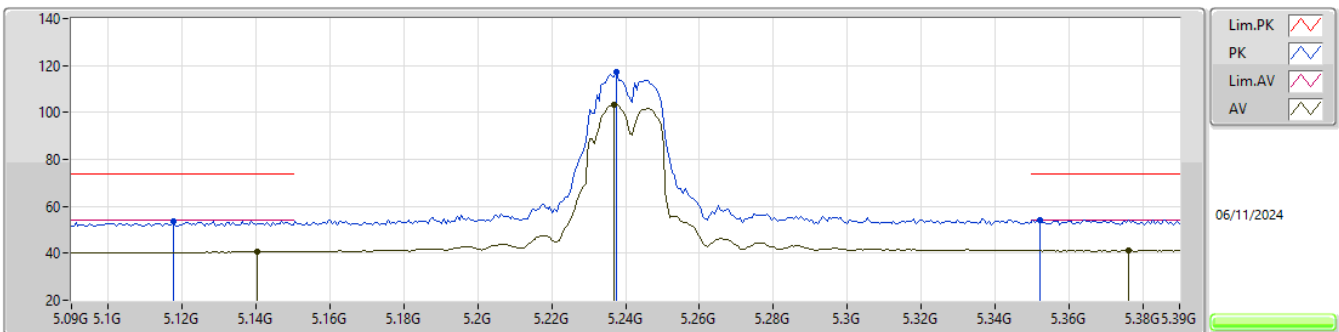
5240MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1464G	40.49	54.00	-13.51	-0.52	3	Vertical	13	1.60	41.01	33.29	4.37	38.18
AV	5.243G	102.14	Inf	-Inf	-0.53	3	Vertical	13	1.60	102.67	33.21	4.44	38.18
AV	5.3762G	41.29	54.00	-12.71	-0.54	3	Vertical	13	1.60	41.83	33.05	4.60	38.19
PK	5.1374G	53.72	74.00	-20.28	-0.55	3	Vertical	13	1.60	54.27	33.27	4.36	38.18
PK	5.2424G	114.96	Inf	-Inf	-0.52	3	Vertical	13	1.60	115.48	33.22	4.44	38.18
PK	5.3666G	54.86	74.00	-19.14	-0.53	3	Vertical	13	1.60	55.39	33.07	4.59	38.19

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

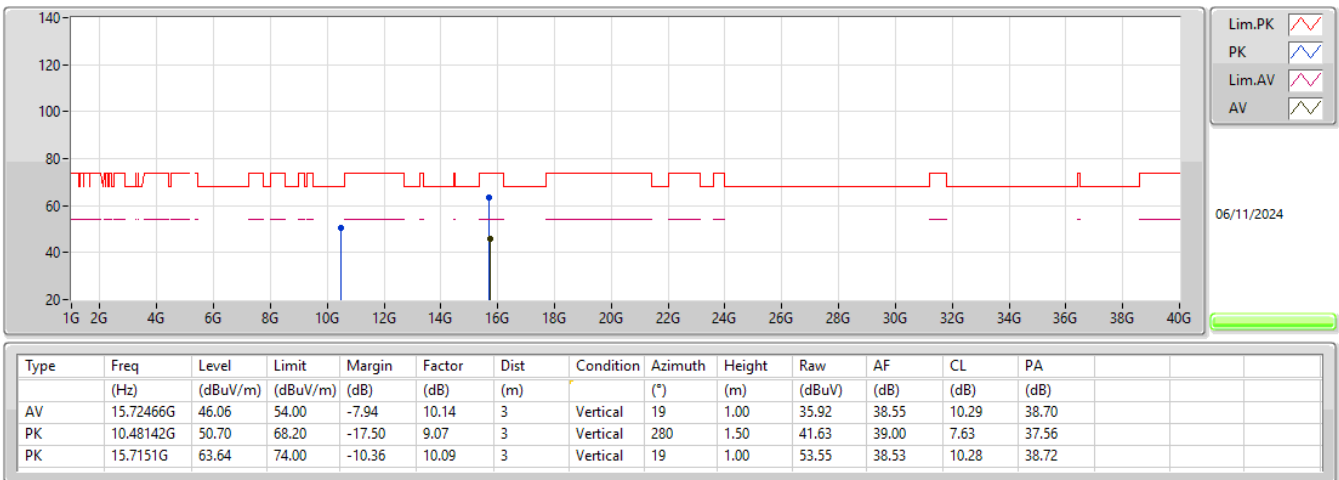
5240MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1404G	40.76	54.00	-13.24	-0.54	3	Horizontal	39	1.00	41.30	33.28	4.36	38.18
AV	5.237G	103.39	Inf	-Inf	-0.52	3	Horizontal	39	1.00	103.91	33.23	4.43	38.18
AV	5.3762G	41.31	54.00	-12.69	-0.54	3	Horizontal	39	1.00	41.85	33.05	4.60	38.19
PK	5.1176G	53.69	74.00	-20.31	-0.59	3	Horizontal	39	1.00	54.28	33.24	4.35	38.18
PK	5.2376G	117.23	Inf	-Inf	-0.52	3	Horizontal	39	1.00	117.75	33.22	4.44	38.18
PK	5.3522G	54.32	74.00	-19.68	-0.52	3	Horizontal	39	1.00	54.84	33.10	4.57	38.19

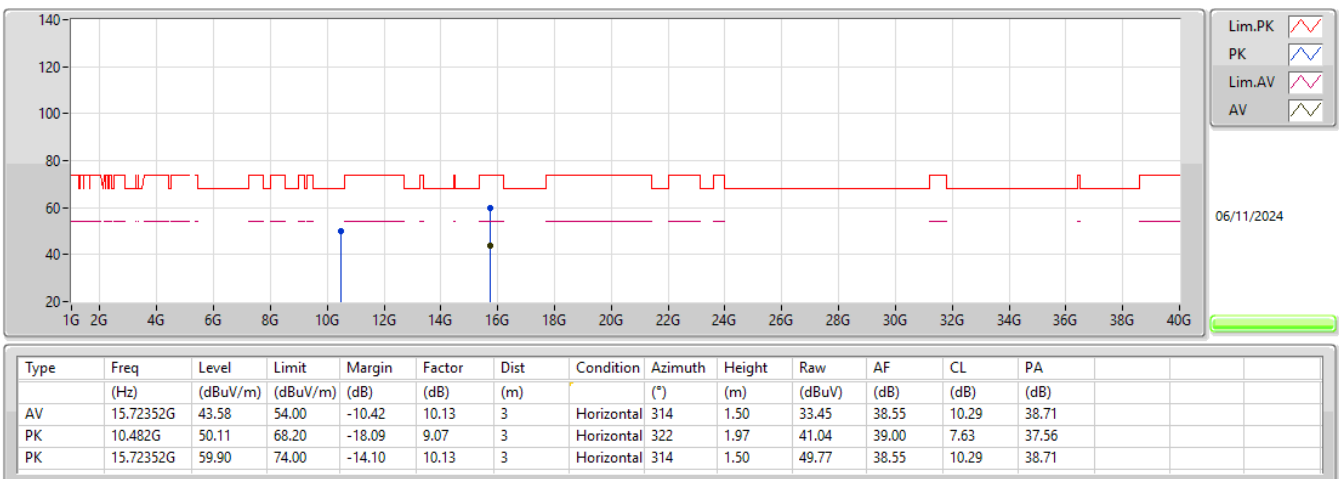
5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX



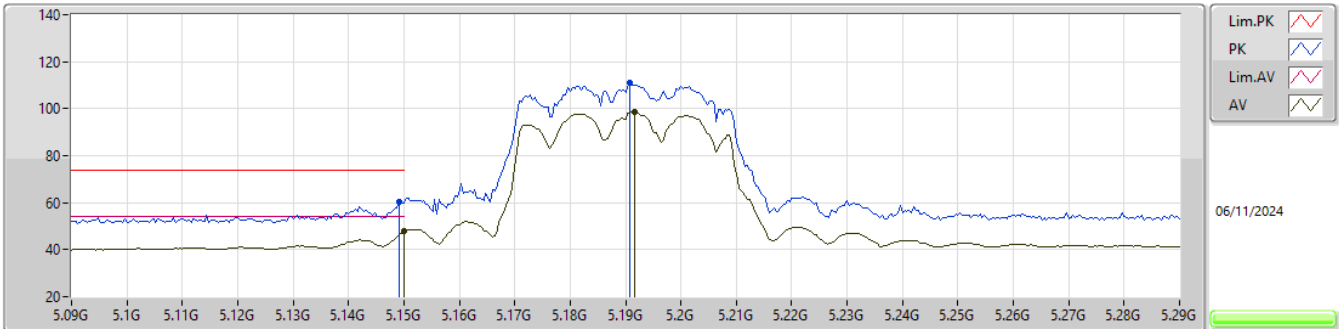
5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX



5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

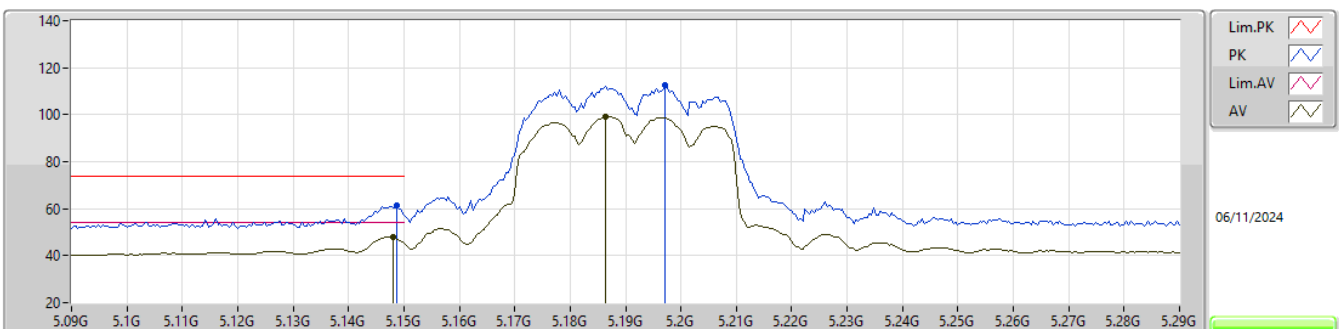
5190MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	47.69	54.00	-6.31	-0.51	3	Vertical	336	1.79	48.20	33.30	4.37	38.18
AV	5.1916G	98.46	Inf	-Inf	-0.49	3	Vertical	336	1.79	98.95	33.30	4.39	38.18
PK	5.1492G	60.30	74.00	-13.70	-0.51	3	Vertical	336	1.79	60.81	33.30	4.37	38.18
PK	5.1908G	110.95	Inf	-Inf	-0.49	3	Vertical	336	1.79	111.44	33.30	4.39	38.18

5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

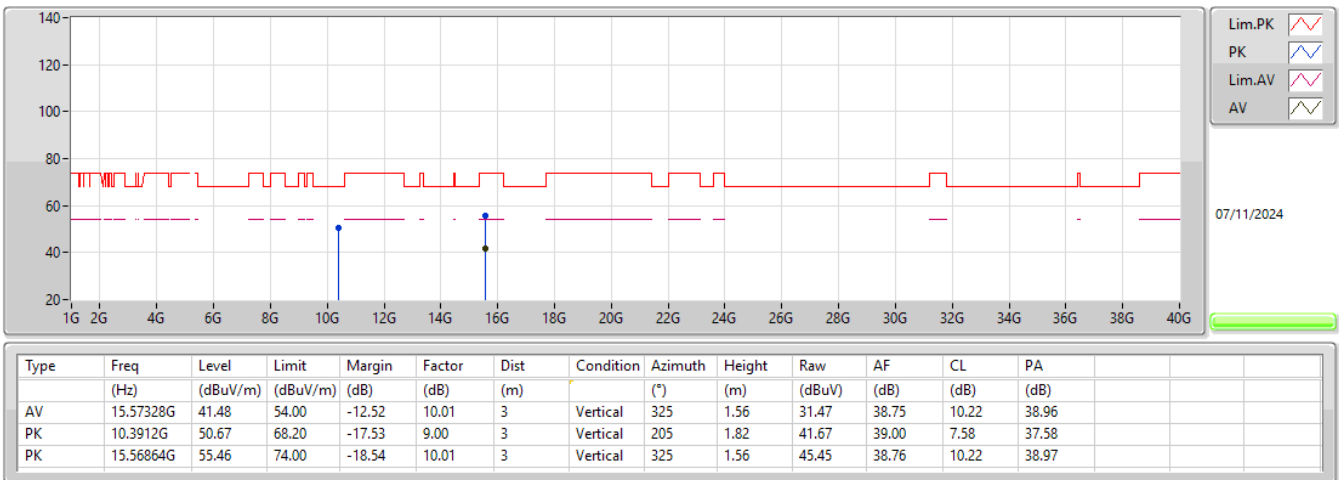
5190MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.148G	47.86	54.00	-6.14	-0.51	3	Horizontal	39	1.09	48.37	33.30	4.37	38.18
AV	5.1864G	99.13	Inf	-Inf	-0.50	3	Horizontal	39	1.09	99.63	33.30	4.38	38.18
PK	5.1488G	61.20	74.00	-12.80	-0.51	3	Horizontal	39	1.09	61.71	33.30	4.37	38.18
PK	5.1972G	112.34	Inf	-Inf	-0.49	3	Horizontal	39	1.09	112.83	33.30	4.39	38.18

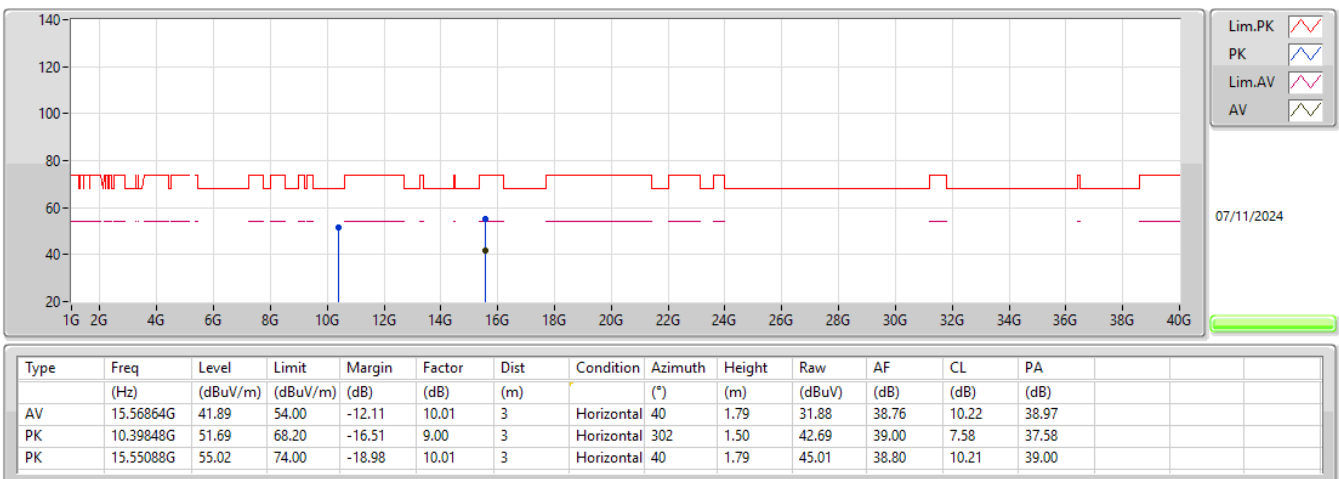
5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX



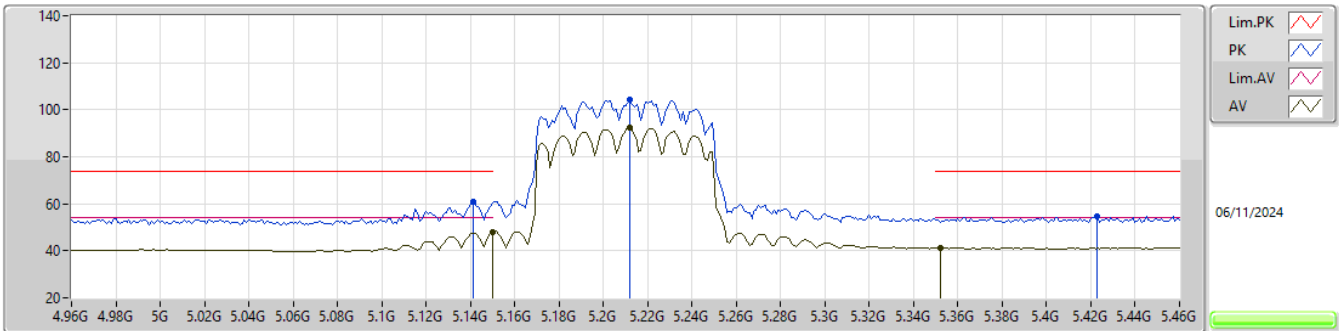
5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX



5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

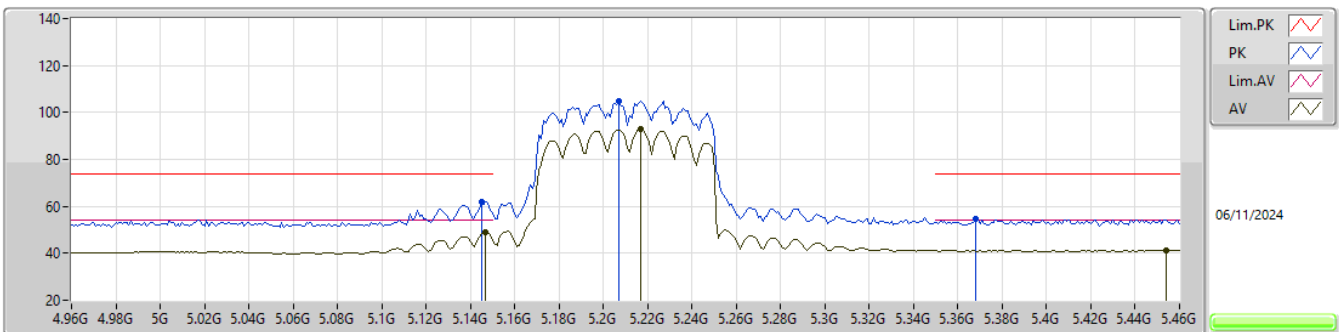
5210MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	48.03	54.00	-5.97	-0.51	3	Vertical	336	1.75	48.54	33.30	4.37	38.18
AV	5.212G	92.31	Inf	-Inf	-0.50	3	Vertical	336	1.75	92.81	33.28	4.40	38.18
AV	5.352G	41.32	54.00	-12.68	-0.52	3	Vertical	336	1.75	41.84	33.10	4.57	38.19
PK	5.141G	60.93	74.00	-13.07	-0.54	3	Vertical	336	1.75	61.47	33.28	4.36	38.18
PK	5.212G	104.53	Inf	-Inf	-0.50	3	Vertical	336	1.75	105.03	33.28	4.40	38.18
PK	5.423G	54.51	74.00	-19.49	-0.48	3	Vertical	336	1.75	54.99	33.05	4.67	38.20

5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

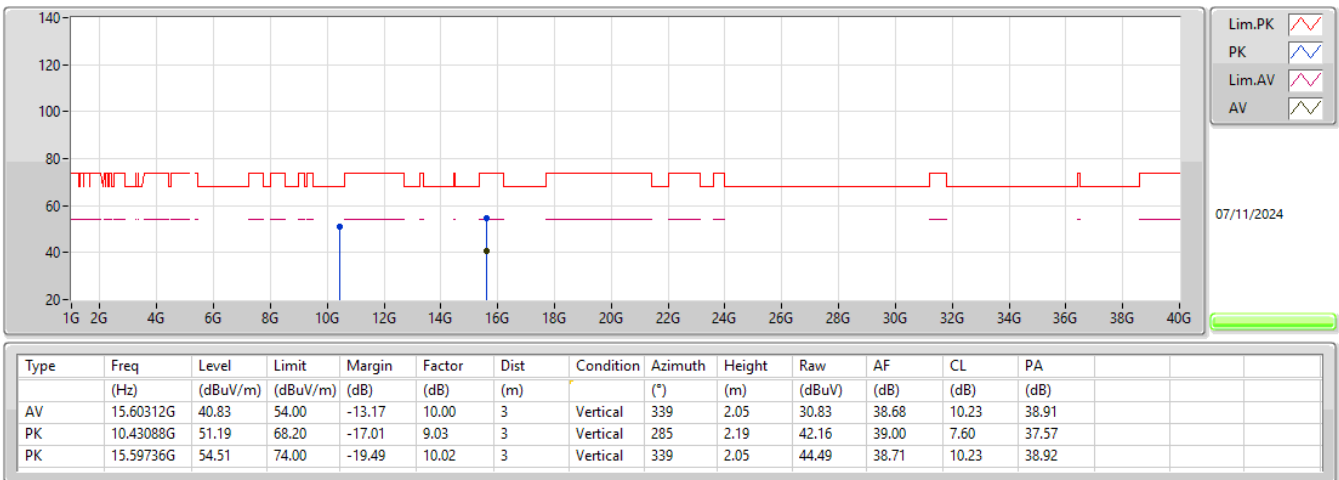
5210MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.147G	48.87	54.00	-5.13	-0.52	3	Horizontal	38	1.07	49.39	33.29	4.37	38.18
AV	5.217G	92.78	Inf	-Inf	-0.50	3	Horizontal	38	1.07	93.28	33.27	4.41	38.18
AV	5.454G	41.23	54.00	-12.77	-0.38	3	Horizontal	38	1.07	41.61	33.11	4.71	38.20
PK	5.145G	61.88	74.00	-12.12	-0.52	3	Horizontal	38	1.07	62.40	33.29	4.37	38.18
PK	5.207G	105.08	Inf	-Inf	-0.49	3	Horizontal	38	1.07	105.57	33.29	4.40	38.18
PK	5.368G	54.49	74.00	-19.51	-0.54	3	Horizontal	38	1.07	55.03	33.06	4.59	38.19

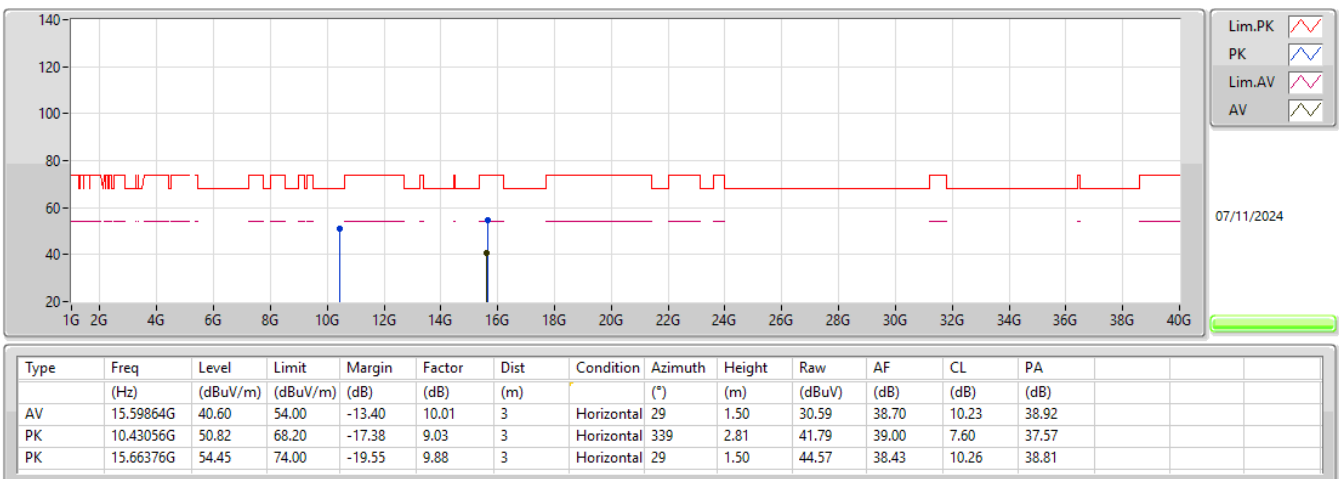
5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX



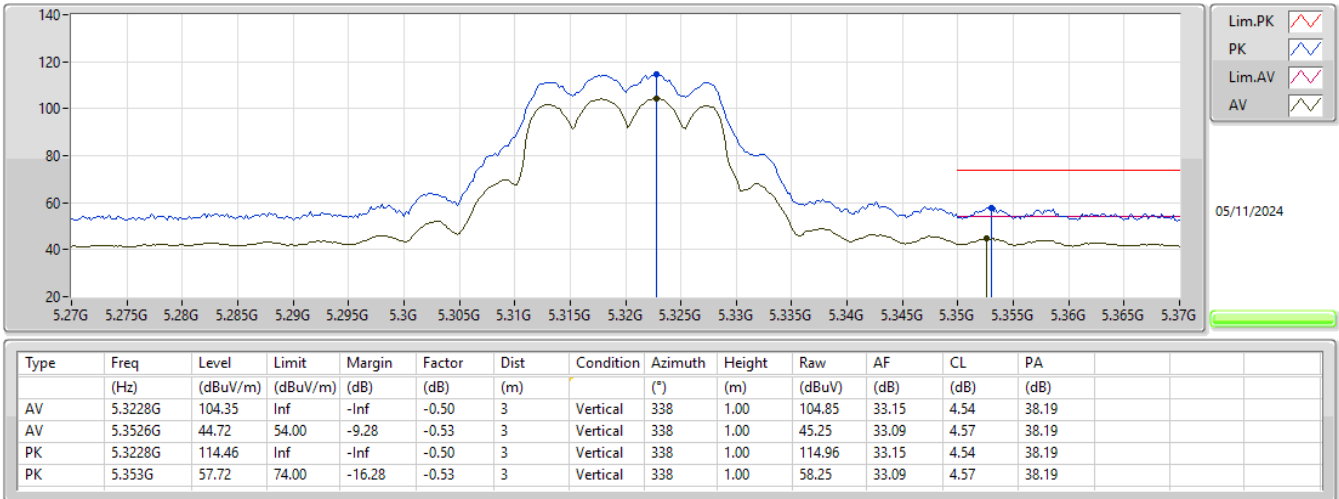
5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX



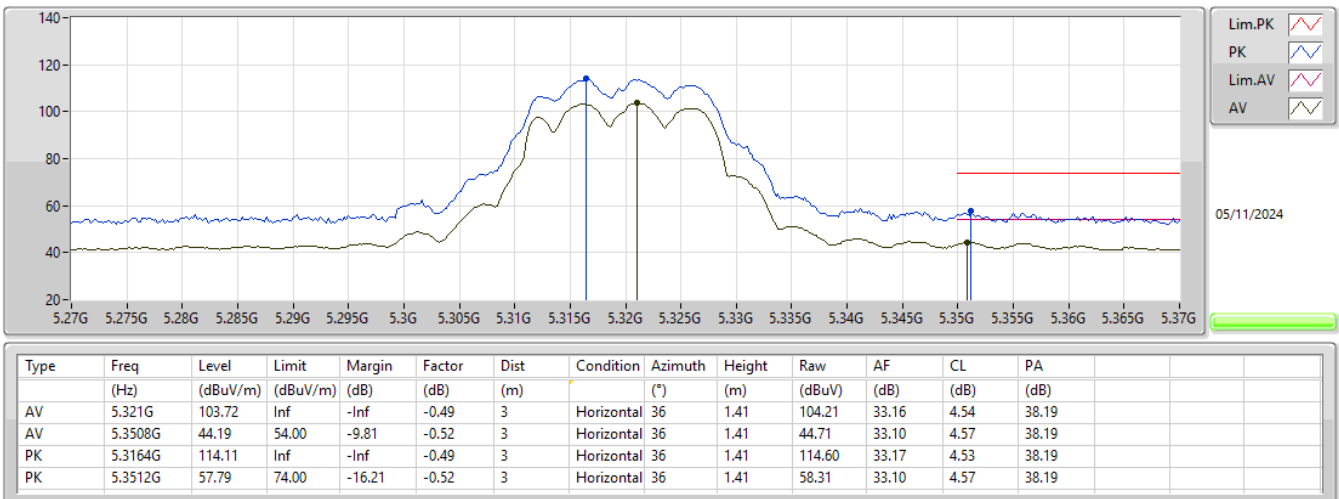
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX



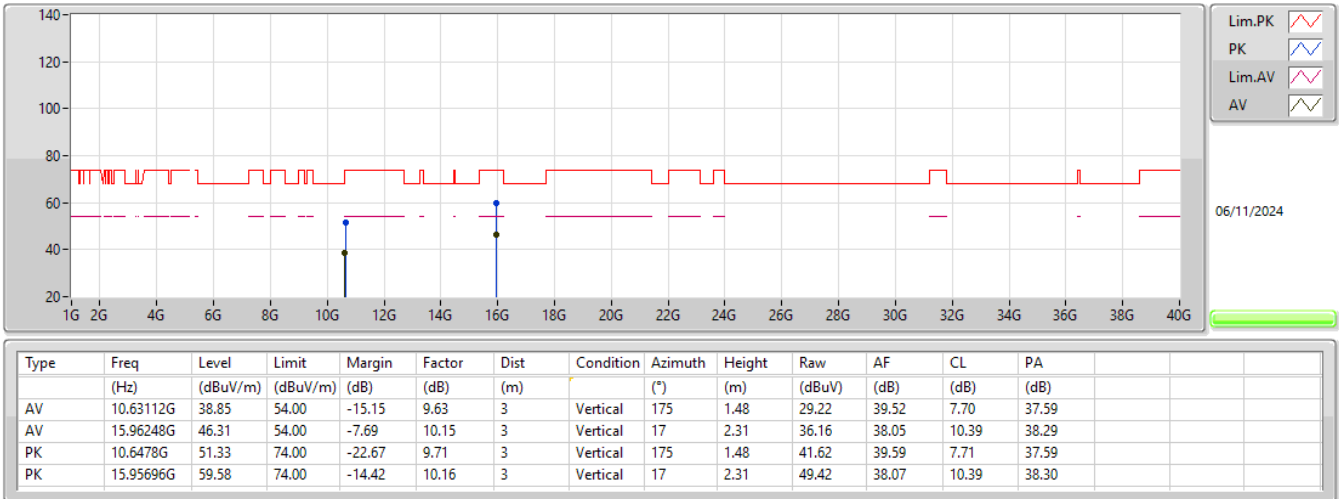
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX



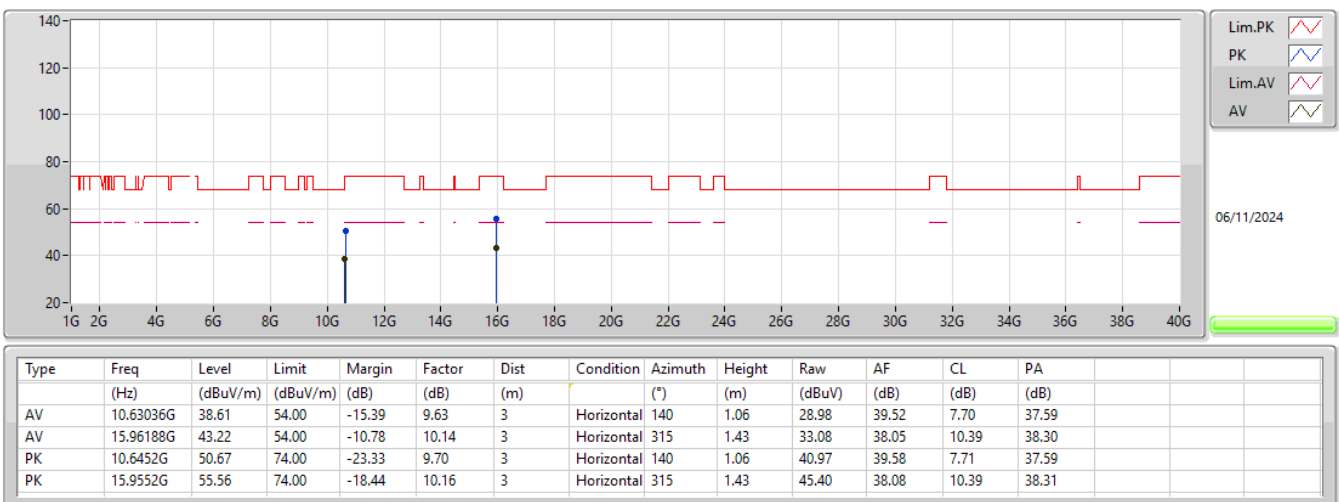
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX



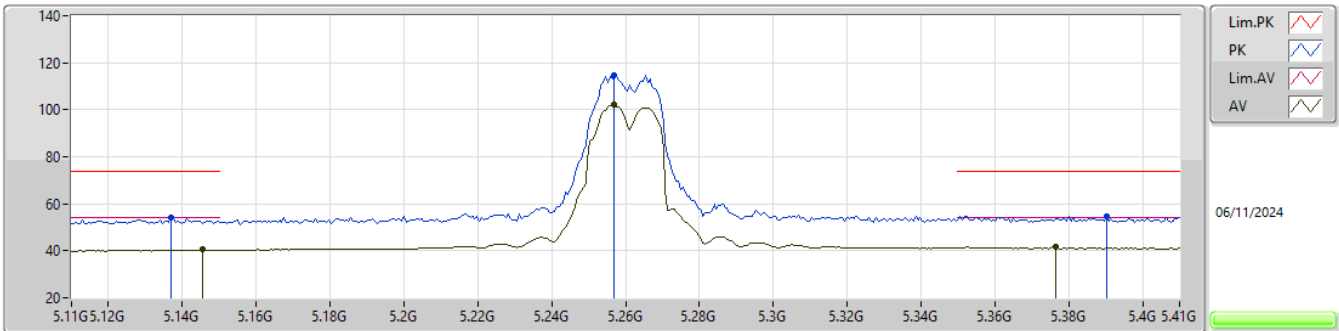
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX



5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

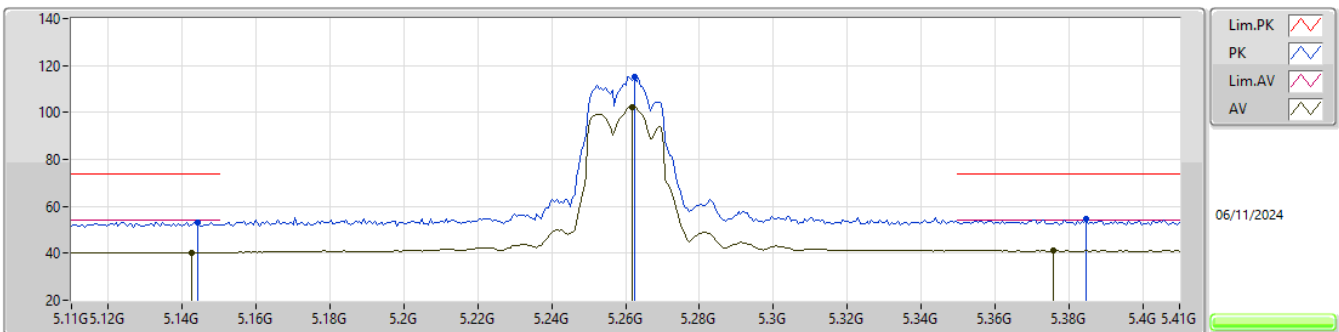
5260MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1454G	40.56	54.00	-13.44	-0.52	3	Vertical	336	1.73	41.08	33.29	4.37	38.18
AV	5.257G	102.09	Inf	-Inf	-0.53	3	Vertical	336	1.73	102.62	33.20	4.46	38.19
AV	5.3764G	41.67	54.00	-12.33	-0.54	3	Vertical	336	1.73	42.21	33.05	4.60	38.19
PK	5.137G	54.03	74.00	-19.97	-0.55	3	Vertical	336	1.73	54.58	33.27	4.36	38.18
PK	5.257G	114.73	Inf	-Inf	-0.53	3	Vertical	336	1.73	115.26	33.20	4.46	38.19
PK	5.3902G	54.91	74.00	-19.09	-0.55	3	Vertical	336	1.73	55.46	33.02	4.62	38.19

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

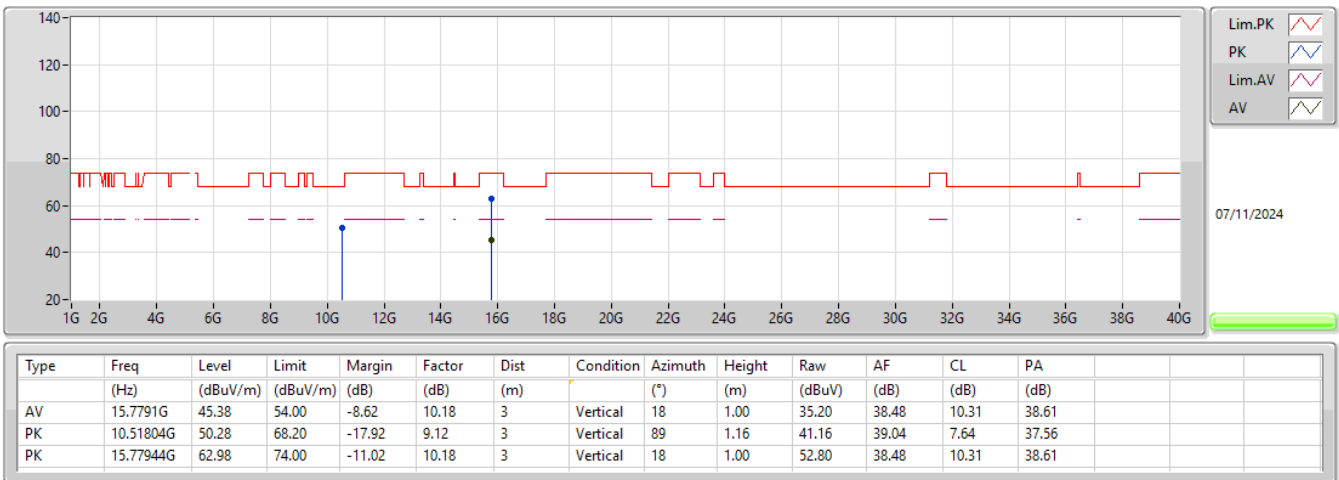
5260MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1424G	40.42	54.00	-13.58	-0.54	3	Horizontal	40	1.10	40.96	33.28	4.36	38.18
AV	5.2618G	102.49	Inf	-Inf	-0.53	3	Horizontal	40	1.10	103.02	33.20	4.46	38.19
AV	5.3758G	41.33	54.00	-12.67	-0.54	3	Horizontal	40	1.10	41.87	33.05	4.60	38.19
PK	5.1442G	53.25	74.00	-20.75	-0.53	3	Horizontal	40	1.10	53.78	33.29	4.36	38.18
PK	5.2624G	115.23	Inf	-Inf	-0.53	3	Horizontal	40	1.10	115.76	33.20	4.46	38.19
PK	5.3848G	54.82	74.00	-19.18	-0.55	3	Horizontal	40	1.10	55.37	33.03	4.61	38.19

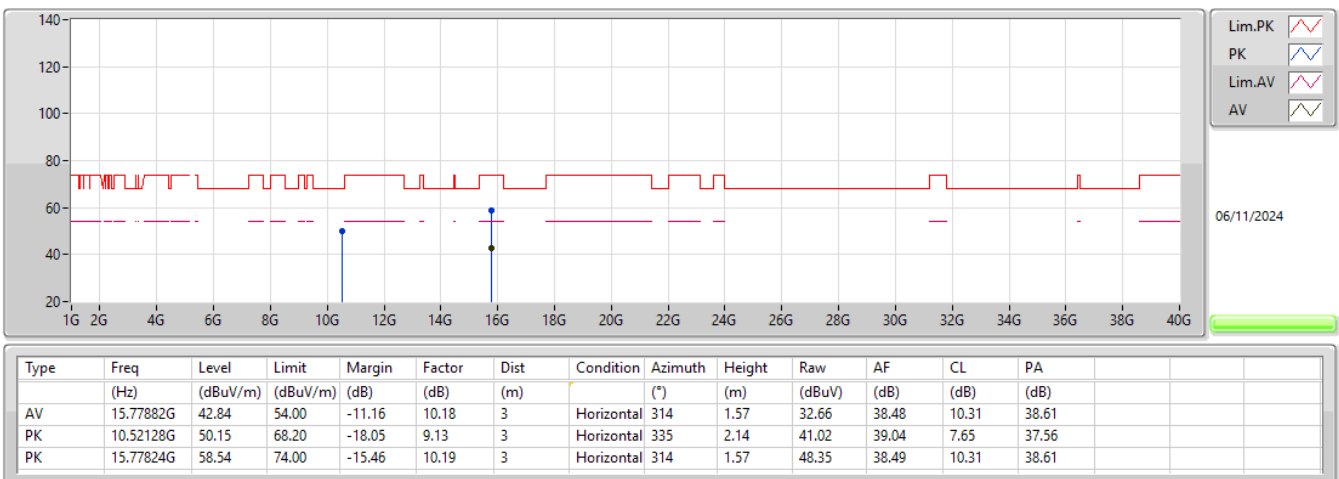
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TX



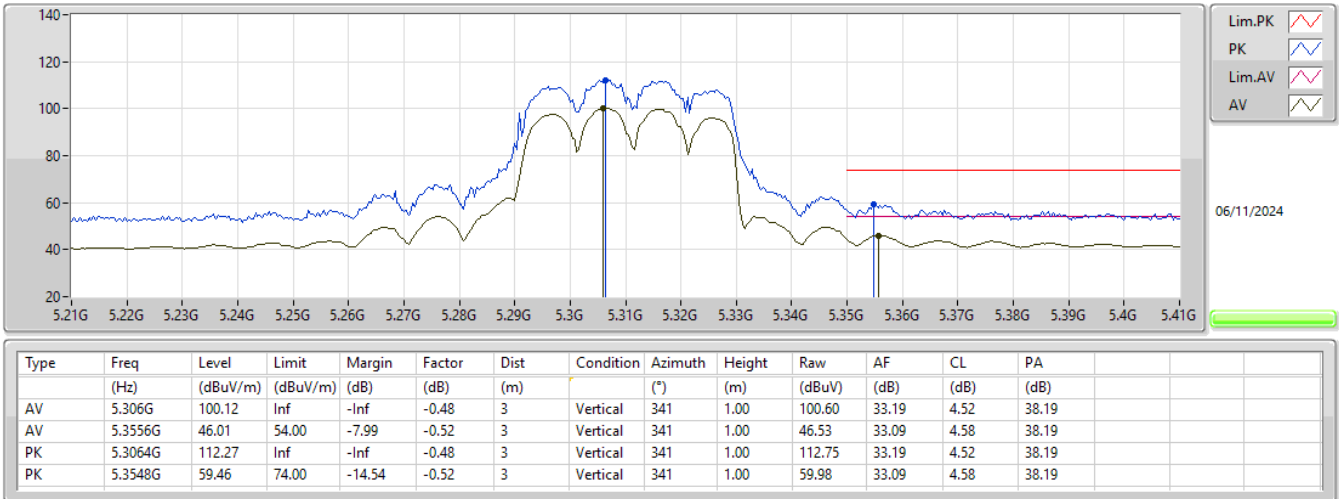
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TX



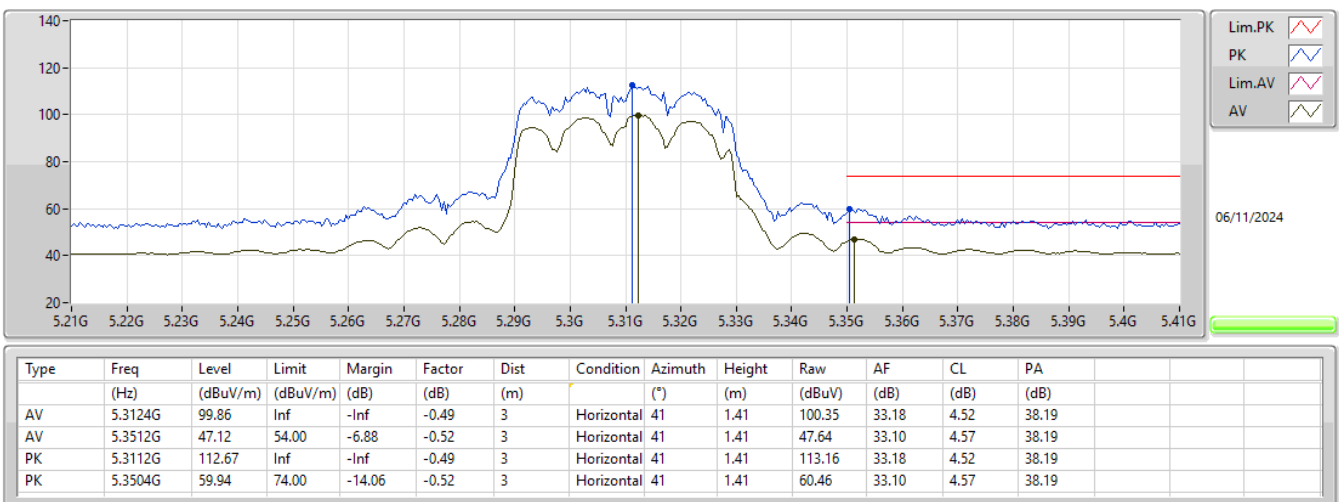
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

5310MHz_TX



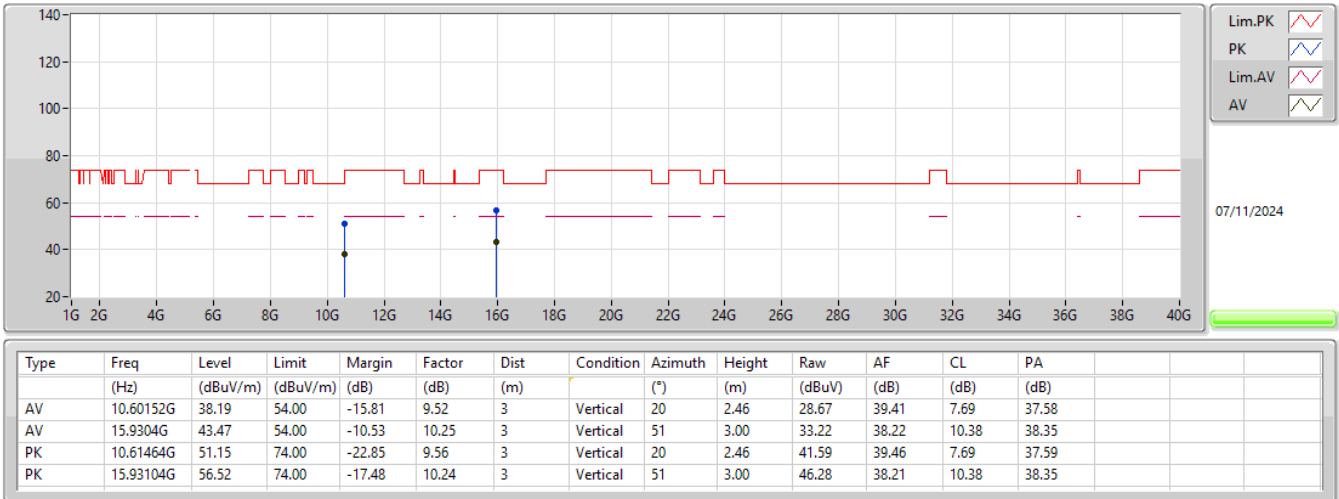
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

5310MHz_TX



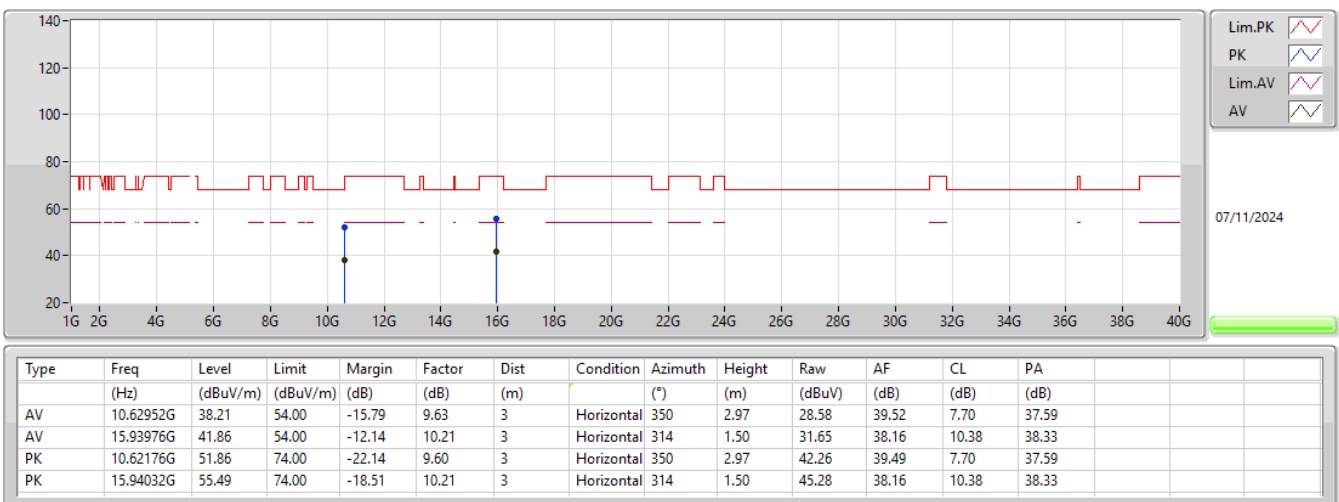
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

5310MHz_TX



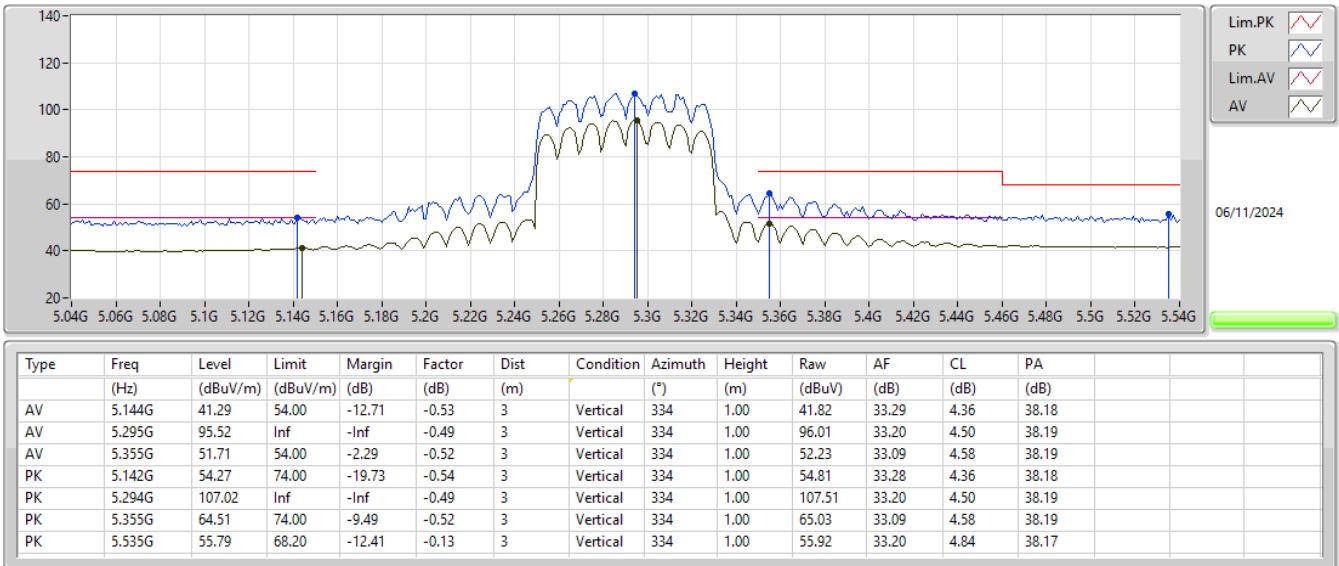
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5310MHz_TX



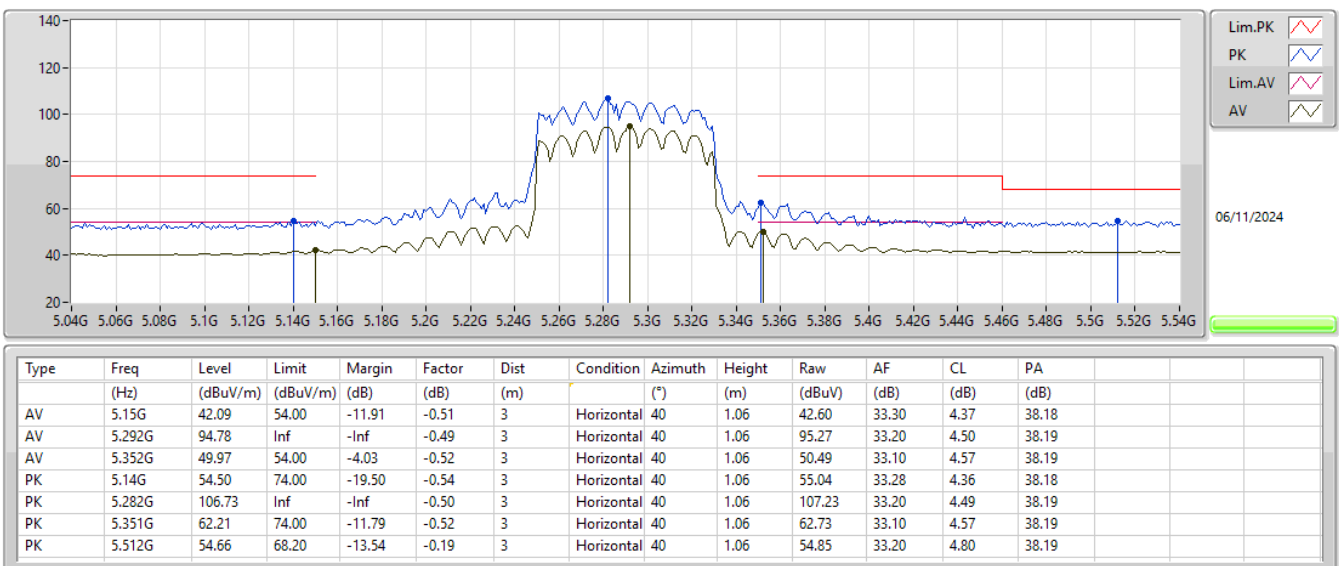
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5290MHz_TX



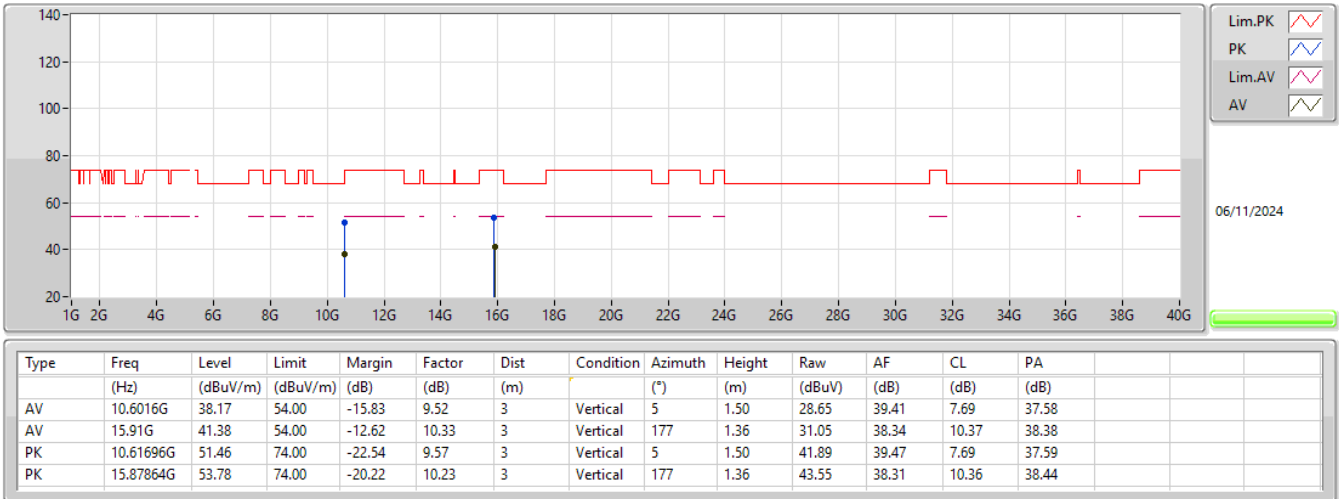
5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TX



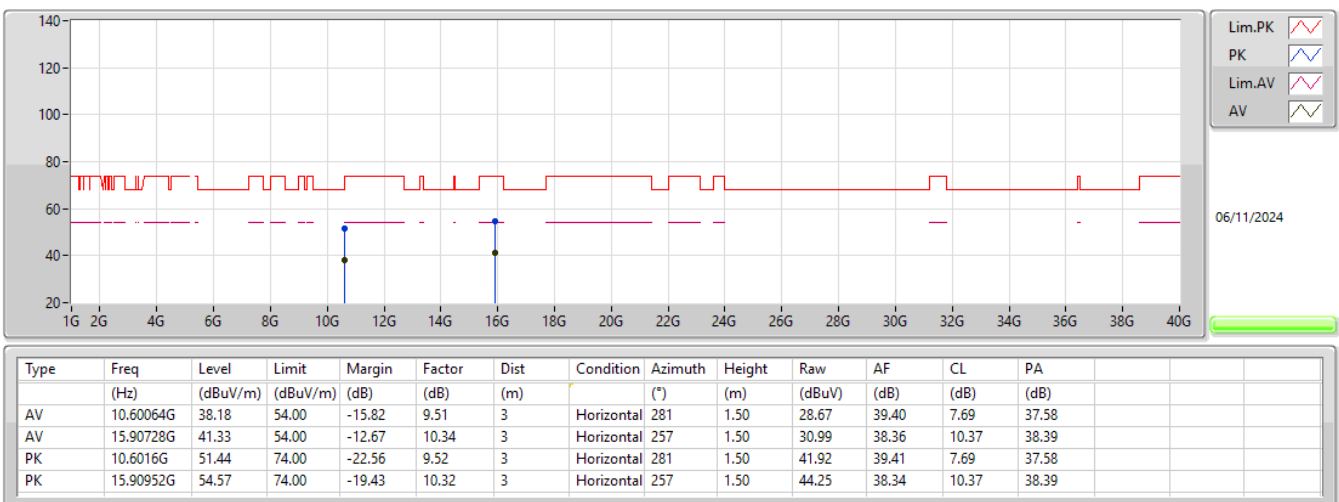
5.25-5.35GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

5290MHz_TX



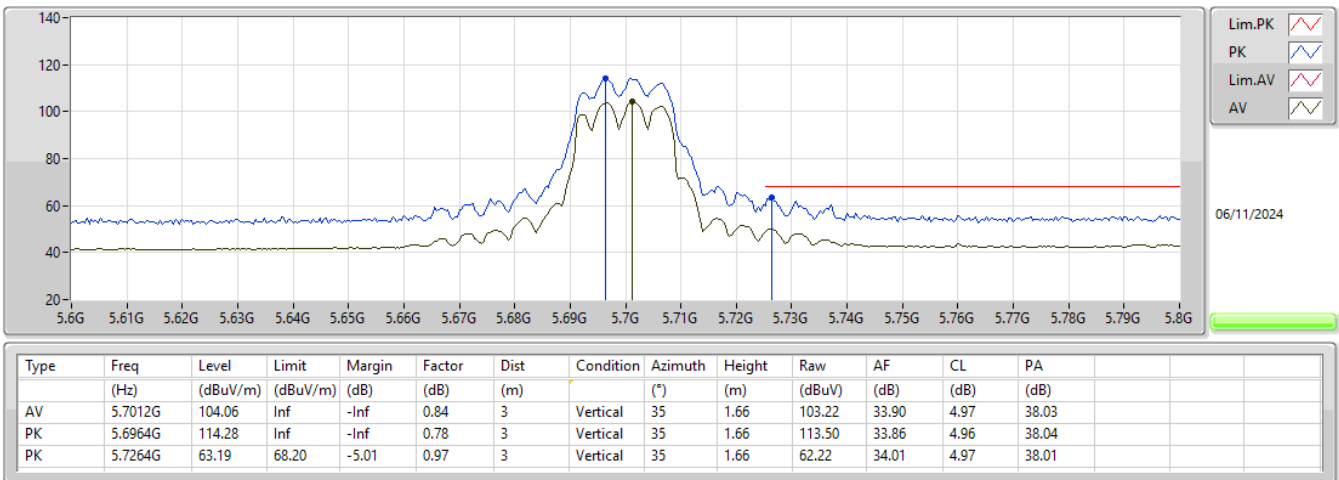
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5290MHz_TX



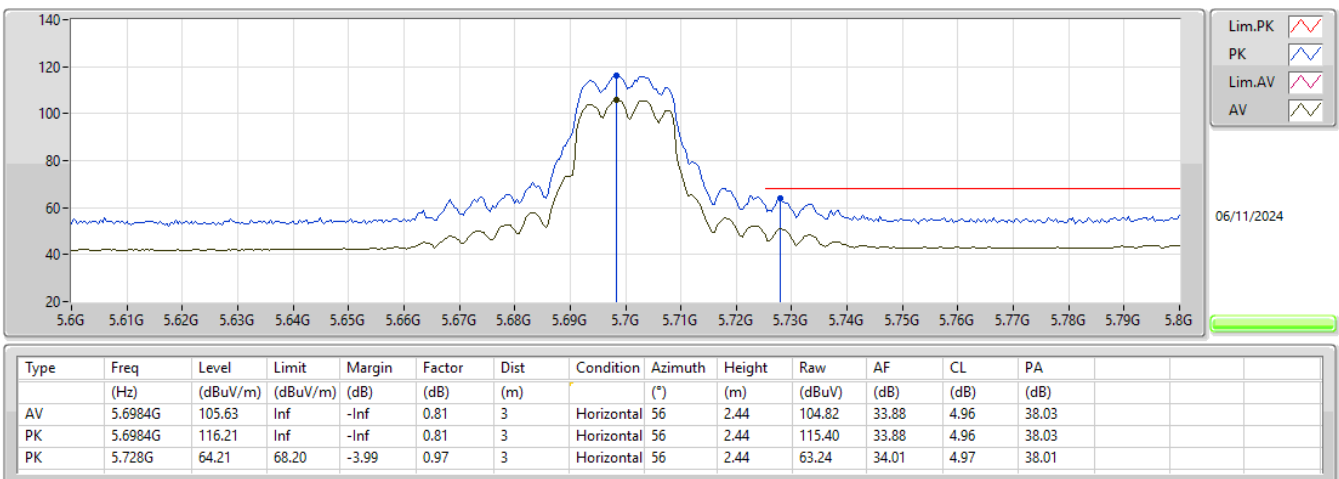
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



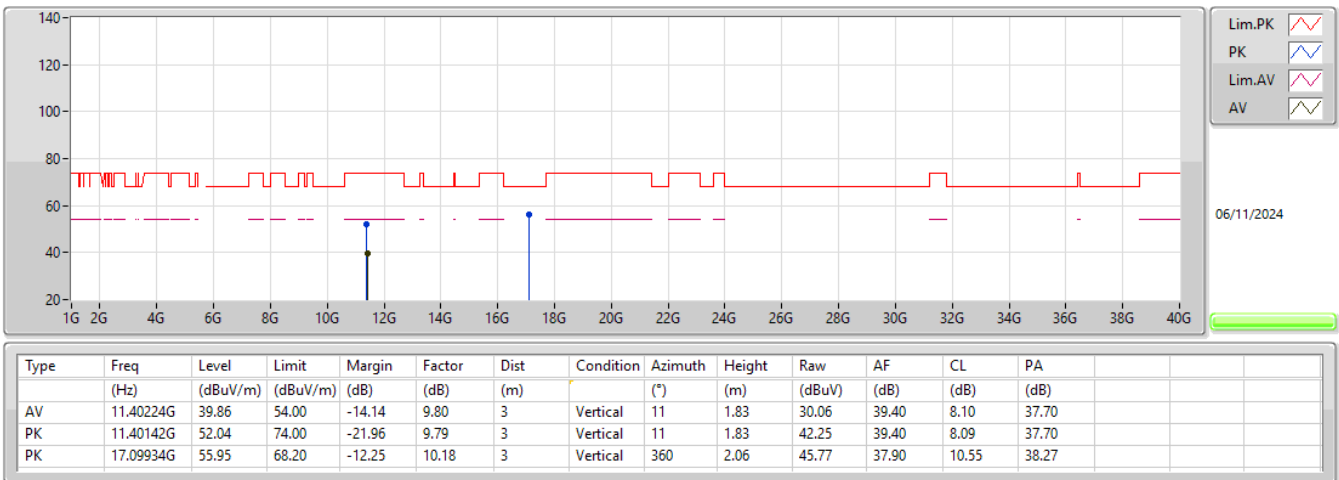
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



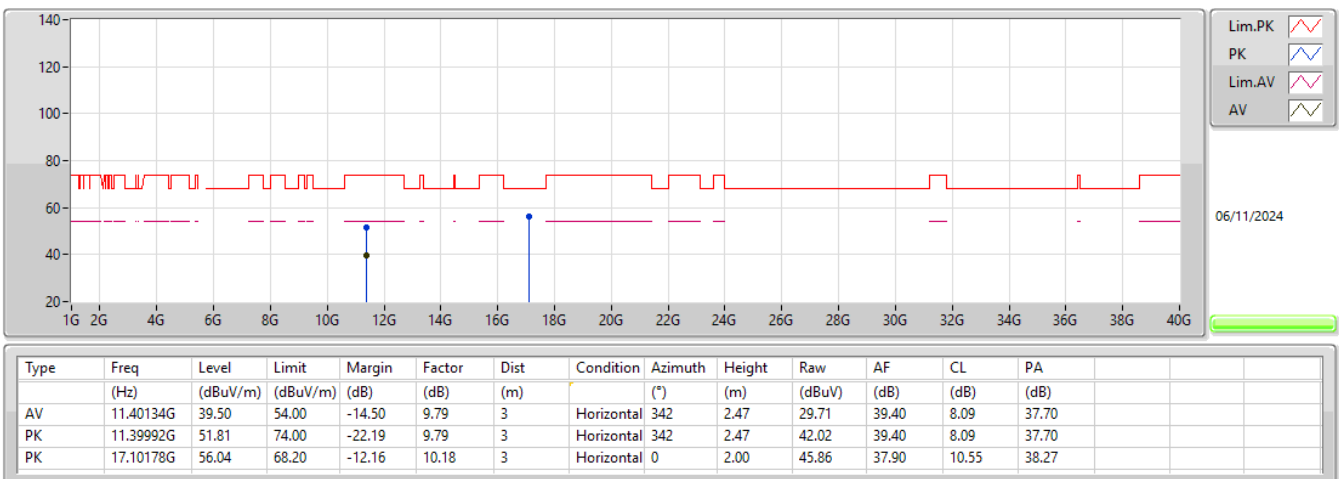
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



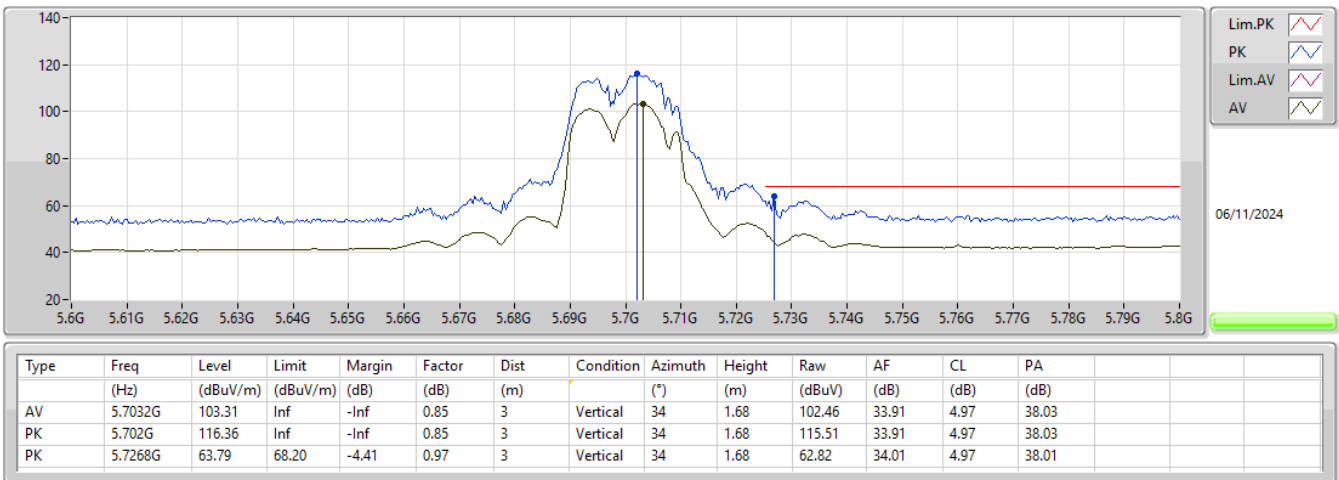
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



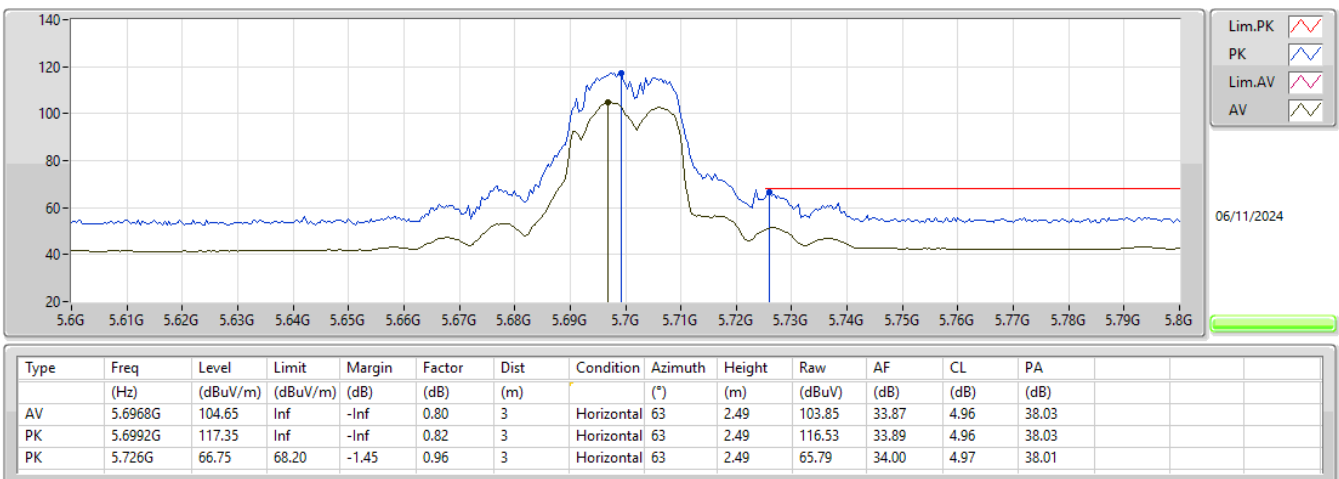
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz_TX



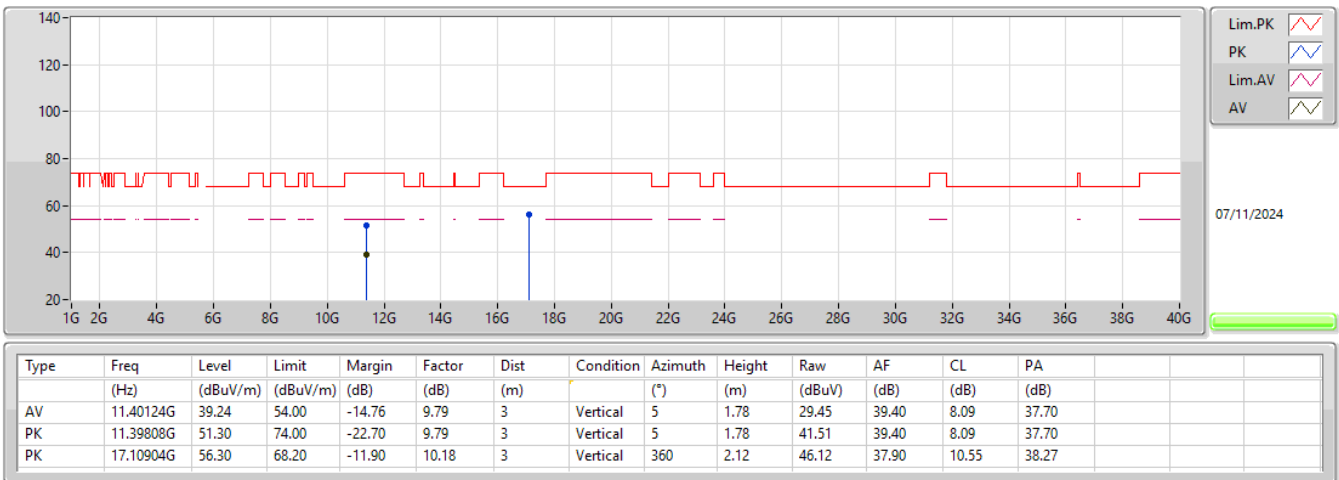
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz_TX



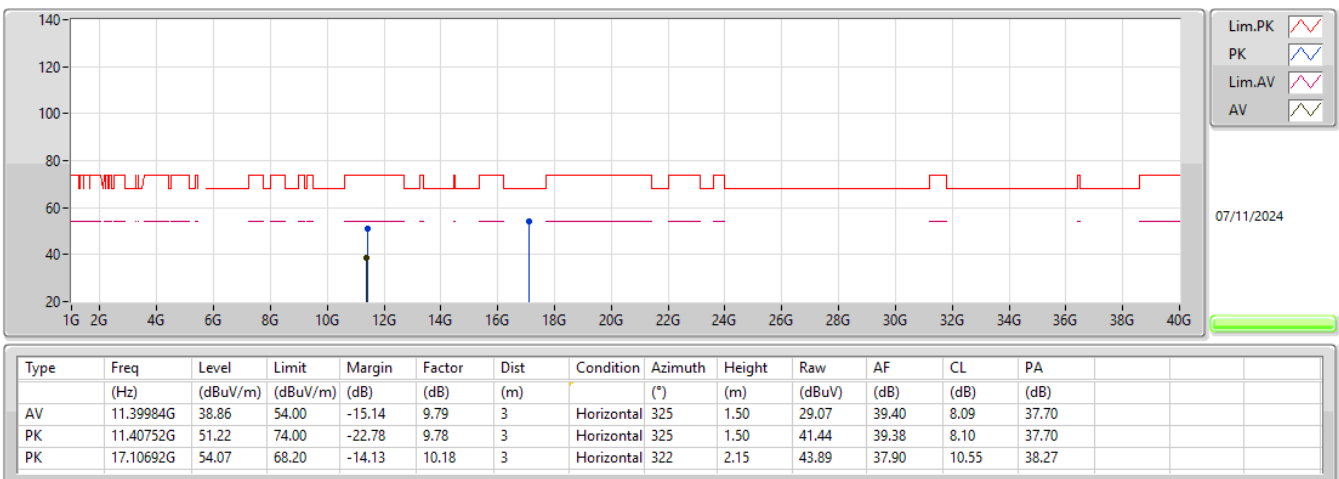
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz_TX



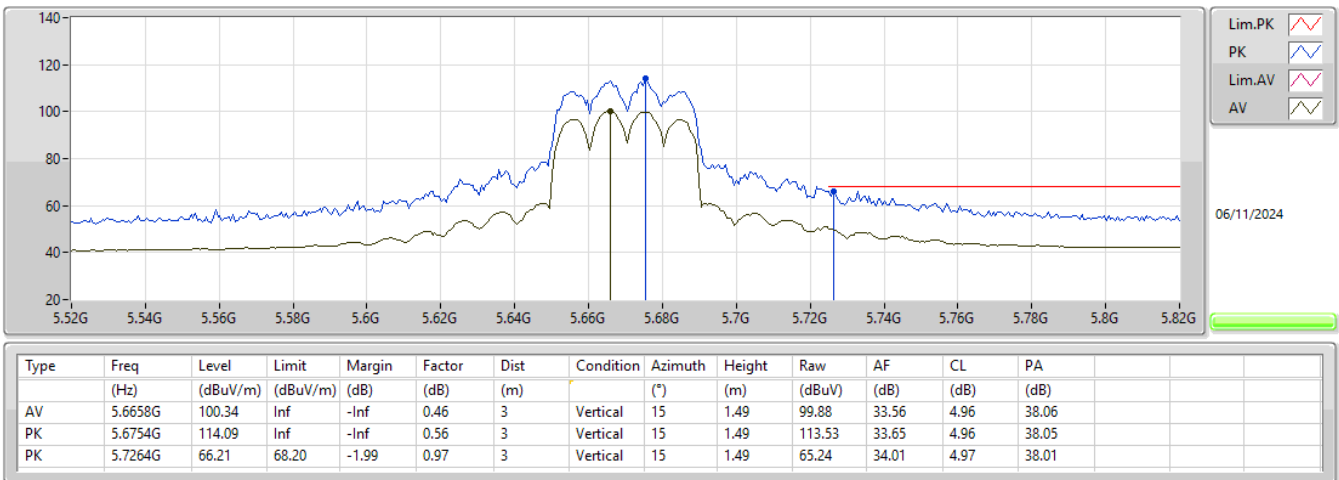
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5700MHz_TX



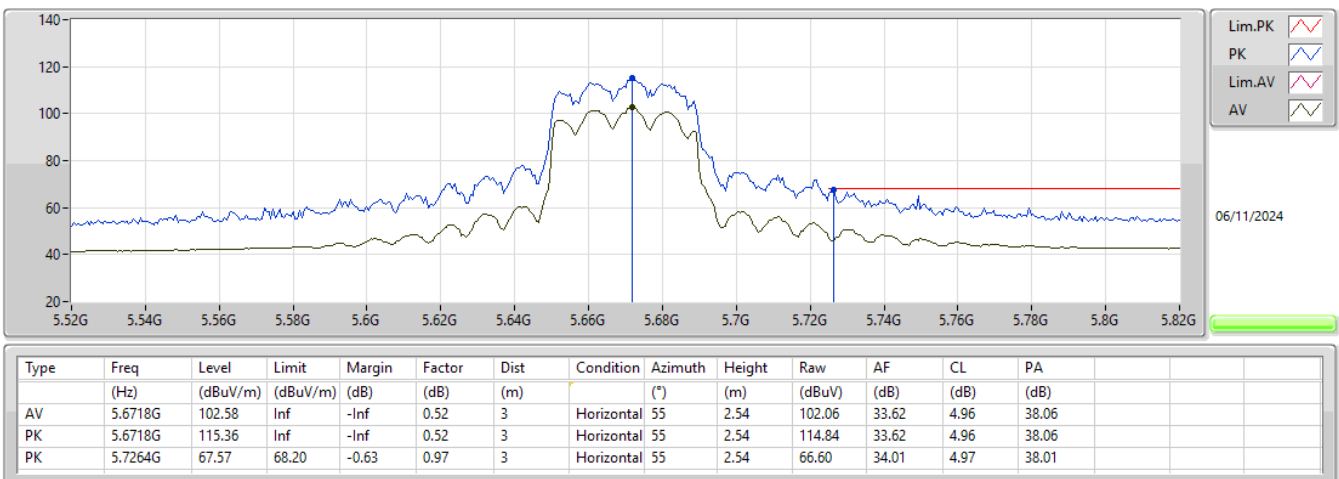
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz_TX



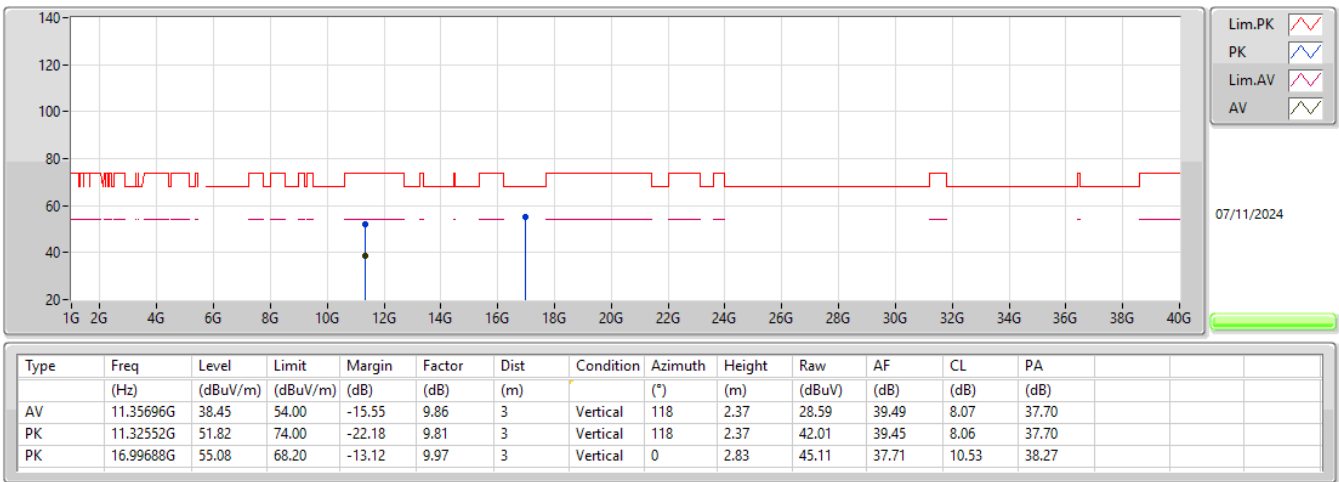
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz_TX



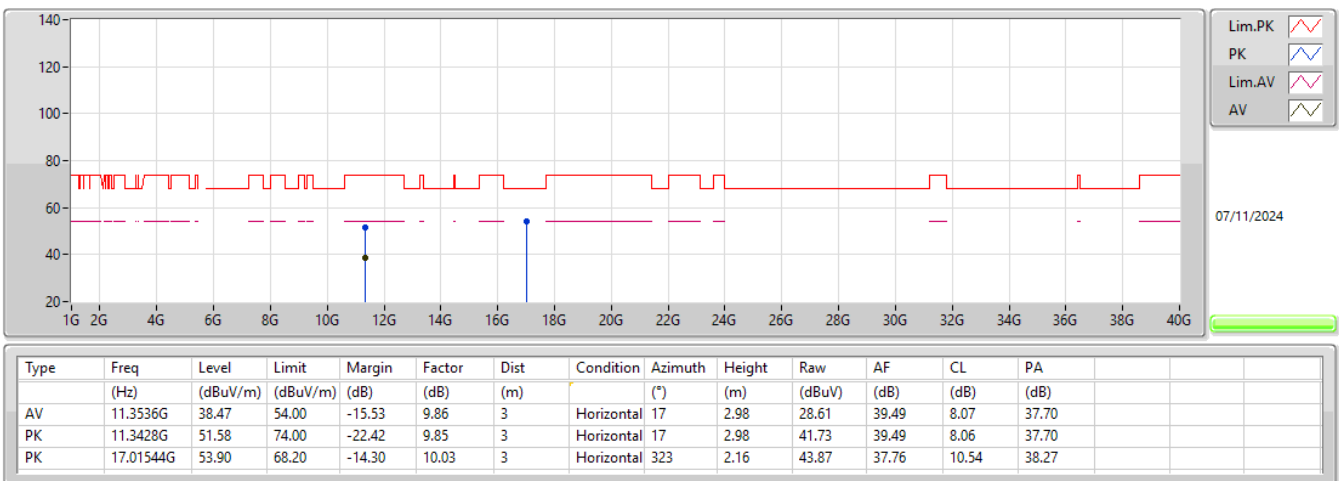
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz_TX



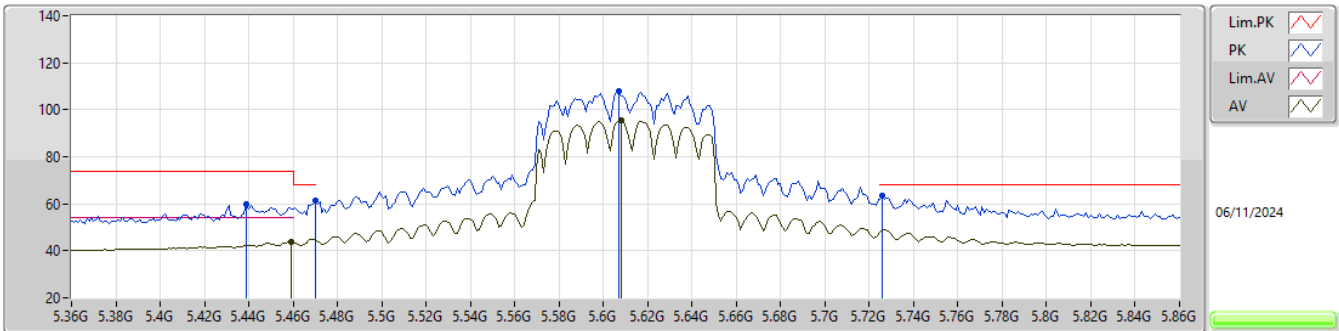
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz_TX



5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

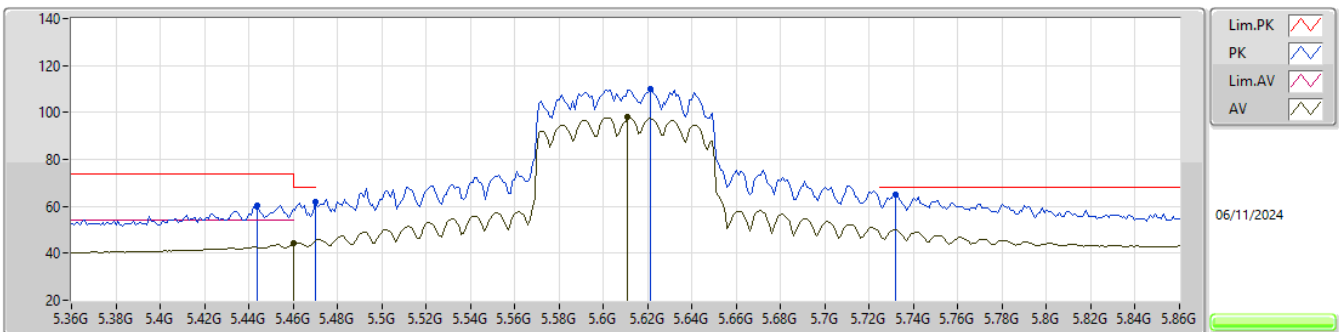
5610MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.459G	43.80	54.00	-10.20	-0.36	3	Vertical	40	1.49	44.16	33.12	4.72	38.20
AV	5.608G	95.52	Inf	-Inf	-0.02	3	Vertical	40	1.49	95.54	33.15	4.94	38.11
PK	5.439G	59.73	74.00	-14.27	-0.43	3	Vertical	40	1.49	60.16	33.08	4.69	38.20
PK	5.47G	61.27	68.20	-6.93	-0.32	3	Vertical	40	1.49	61.59	33.14	4.74	38.20
PK	5.607G	107.79	Inf	-Inf	-0.03	3	Vertical	40	1.49	107.82	33.14	4.94	38.11
PK	5.726G	63.50	68.20	-4.70	0.96	3	Vertical	40	1.49	62.54	34.00	4.97	38.01

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

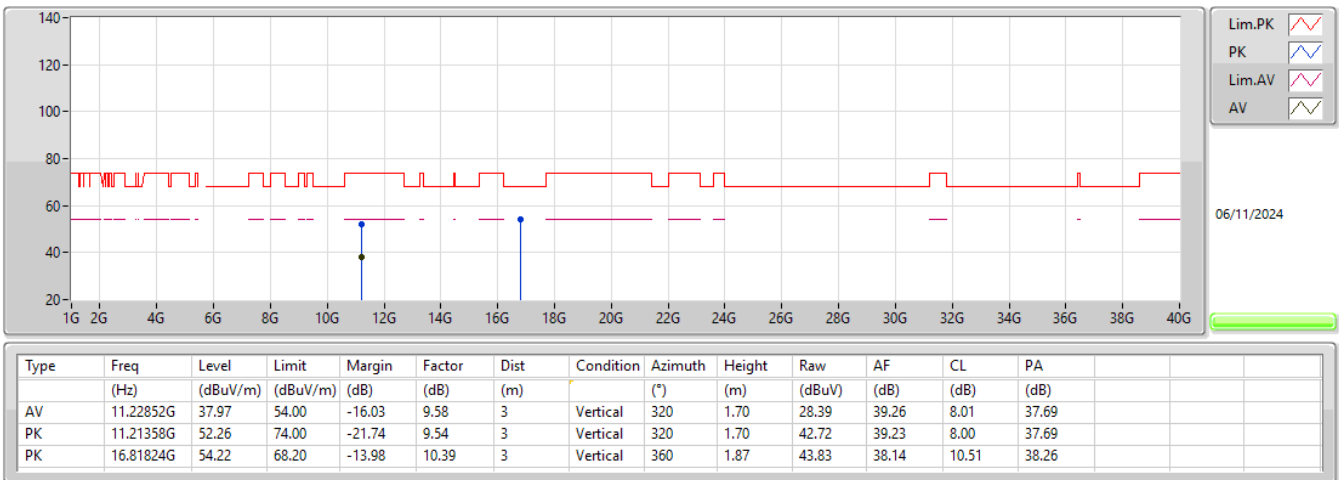
5610MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.46G	44.09	54.00	-9.91	-0.36	3	Horizontal	55	2.50	44.45	33.12	4.72	38.20
AV	5.611G	97.95	Inf	-Inf	0.00	3	Horizontal	55	2.50	97.95	33.17	4.94	38.11
PK	5.444G	60.56	74.00	-13.44	-0.41	3	Horizontal	55	2.50	60.97	33.09	4.70	38.20
PK	5.47G	61.83	68.20	-6.37	-0.32	3	Horizontal	55	2.50	62.15	33.14	4.74	38.20
PK	5.621G	109.84	Inf	-Inf	0.08	3	Horizontal	55	2.50	109.76	33.23	4.95	38.10
PK	5.732G	65.00	68.20	-3.20	0.99	3	Horizontal	55	2.50	64.01	34.03	4.97	38.01

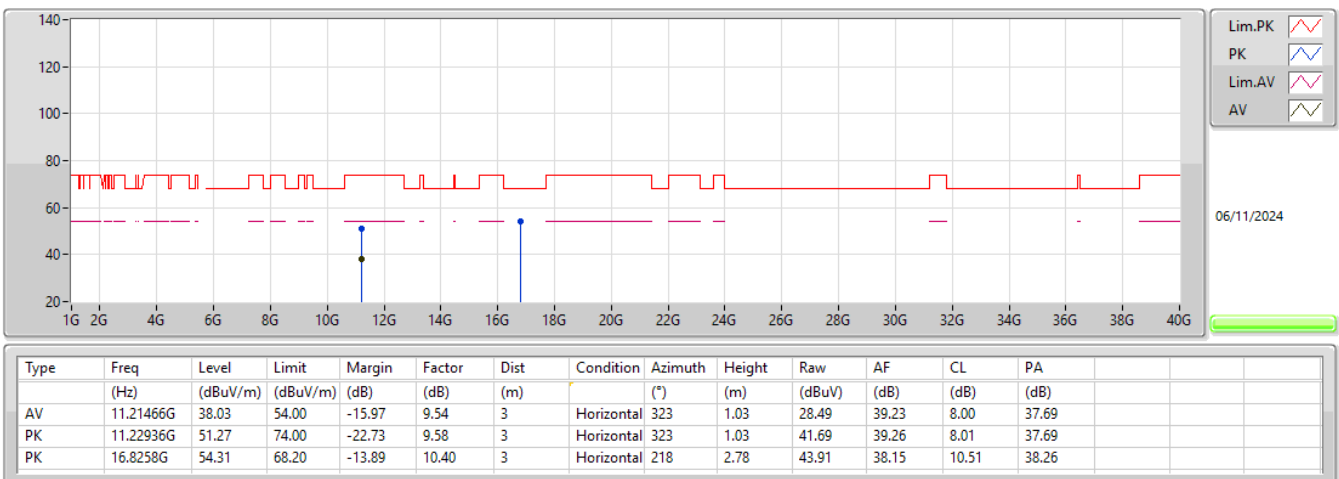
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5610MHz_TX



5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5610MHz_TX





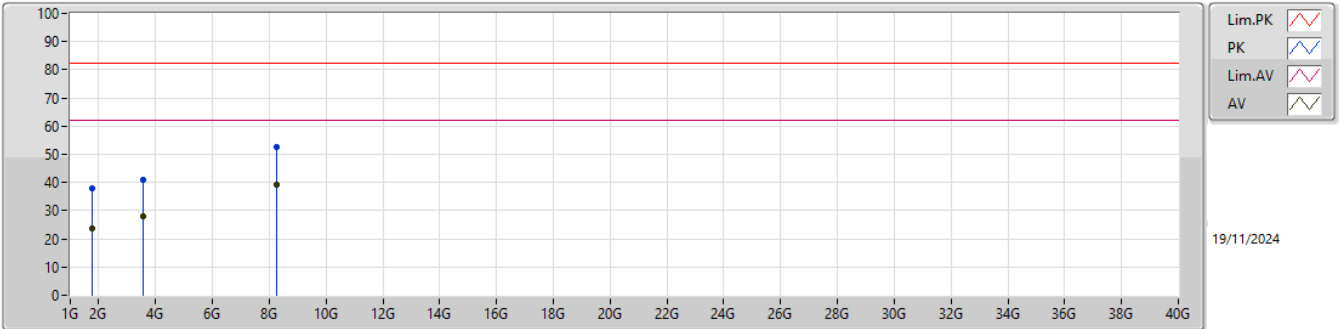
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	8.90032G	41.25	62.20	-20.95	Horizontal

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	1.75973G	23.72	62.20	-38.48	3	Vertical	138	1.50
Mode 1	Pass	AV	3.56484G	28.01	62.20	-34.19	3	Vertical	149	2.77
Mode 1	Pass	AV	8.2577G	39.36	62.20	-22.84	3	Vertical	297	1.50
Mode 1	Pass	PK	1.765G	37.82	82.20	-44.38	3	Vertical	138	1.50
Mode 1	Pass	PK	3.54744G	40.94	82.20	-41.26	3	Vertical	149	2.77
Mode 1	Pass	PK	8.25162G	52.44	82.20	-29.76	3	Vertical	297	1.50
Mode 1	Pass	AV	3.925G	30.07	62.20	-32.13	3	Horizontal	43	1.50
Mode 1	Pass	AV	6.33079G	34.95	62.20	-27.25	3	Horizontal	274	1.50
Mode 1	Pass	AV	8.90032G	41.25	62.20	-20.95	3	Horizontal	69	1.50
Mode 1	Pass	PK	3.91924G	43.06	82.20	-39.14	3	Horizontal	43	1.50
Mode 1	Pass	PK	6.32209G	48.25	82.20	-33.95	3	Horizontal	274	1.50
Mode 1	Pass	PK	8.89141G	54.53	82.20	-27.67	3	Horizontal	69	1.50

Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1

