

FCC Radio Test Report

FCC ID : TVE-240609

Equipment : Secured Network Extension Device

Brand Name : FORTINET

Model Name : FortiExtenderRugged 511Gxxxxxxxxxx,
FORTIEXTENDERRUGGED-511Gxxxxxxxxxx,
FER-511Gxxxxxxxxxx
(where "x" can be used as "A-Z", or "0-9", or "-", or
blank for software changes or marketing purposes only)

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

Manufacturer : Fortinet, Inc.
909 Kifer Road, Sunnyvale, CA 94086, USA

Standard : 47 CFR FCC Part 15.407

The product was received on Apr. 02, 2024, and testing was started from Apr. 17, 2024 and completed on Jul. 10, 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 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: Julie Tseng

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.	Port	Brand	Model Name	Antenna Type	Connector	Support
5	1	ADVANCED WIRELESS & ANTENNA Inc.	A8L8P-200000	Dipole	I-PEX	2.4G+5G
6	2	ADVANCED WIRELESS & ANTENNA Inc.	A8L8M-200000	Dipole	I-PEX	2.4G+5G
7	1	ADVANCED WIRELESS & ANTENNA Inc.	A8L8P-200000	Dipole	I-PEX	BT

Ant.	Port	Gain (dBi)			Remark
		2.4G	5G	BT	
5	1	4.84	4.34	-	Radio1_5G& Radio2_2.4G
6	2	5.25	4.94	-	
7	1	-	-	4.93	BT

Note 1: 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	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

For 2.4GHz function:

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

Ant. 5 (port 1) and Ant. 6(port 2) could transmit/receive simultaneously.

For 5GHz function:

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

Ant. 5 (port 1) and Ant. 6(port 2) could transmit/receive simultaneously.

For Bluetooth function:

For Bluetooth mode (1TX/1RX)

Only Ant.7 can be used as transmitting/receiving.

**1.1.3 EUT Information**

Operational Condition				
EUT Power Type	From PoE			
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 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss1,(6Mbps)_2TX	0.963	0.16	1.981m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.812	0.9	5.45m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.812	0.9	5.448m	300
802.11ax HEW80_Nss1,(MCS0)_2TX	0.811	0.91	5.447m	300

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	0.812	0.9	5.45m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.812	0.9	5.448m	300
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.811	0.91	5.447m	300

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

1.1.5 Table for Multiple Listing

The brand/model names in the following table are all refer to the identical product.

Brand Name	Model Name	Description
FORTINET	FortiExtenderRugged 511Gxxxxxxxxxx, FORTIEXTENDERRUGGED-511Gxxxxxxxxxx, FER-511Gxxxxxxxxxx (where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)	All the models are identical, the difference model for difference brand served as marketing strategy.

From the above models, model: FER-511G was selected as representative model for the test and its data was recorded in this report.

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	CO04-HY	Lego Lin	21.3~22.6°C / 52~55%	26/Apr/2024
RF Conducted	TH07-HY	Xun Hsieh	22.6~23.5°C / 53~60%	22/Apr/2024~08/Jul/2024
Radiated (Co-location)	03CH03-HY	Edward Wang	22.2~24.5°C / 56~58%	10/Jul/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. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH24-HY	AndyWang	20.6~24.5°C / 56~66%	17/Apr/2024~19/Apr/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_00099
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Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	18.5
5200MHz	18.5
5240MHz	19
5260MHz	19
5300MHz	19
5320MHz	19
5500MHz	19
5580MHz	19
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
5745MHz	19
5785MHz	19
5825MHz	19
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	19
5200MHz	19
5240MHz	19
5260MHz	19
5300MHz	19
5320MHz	19
5500MHz	19
5580MHz	19
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
5745MHz	19
5785MHz	19
5825MHz	19
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	16
5230MHz	18.5
5270MHz	19
5310MHz	18.5



5510MHz	18
5550MHz	19
5670MHz	18
5710MHz Straddle 5.47-5.725GHz	19
5710MHz Straddle 5.725-5.85GHz	19
5755MHz	19
5795MHz	19
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	16.5
5290MHz	18.5
5530MHz	18
5610MHz	19
5690MHz Straddle 5.47-5.725GHz	19
5690MHz Straddle 5.725-5.85GHz	19
5775MHz	19

**Beamforming**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	19
5200MHz	19
5240MHz	19
5260MHz	19
5300MHz	19
5320MHz	19
5500MHz	19
5580MHz	19
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
5745MHz	19
5785MHz	19
5825MHz	19
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	16
5230MHz	18.5
5270MHz	19
5310MHz	18.5
5510MHz	18
5550MHz	19
5670MHz	18
5710MHz Straddle 5.47-5.725GHz	19
5710MHz Straddle 5.725-5.85GHz	19
5755MHz	19
5795MHz	19
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	16.5
5290MHz	18.5
5530MHz	18
5610MHz	19
5690MHz Straddle 5.47-5.725GHz	18.5
5690MHz Straddle 5.725-5.85GHz	18.5
5775MHz	19

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	PoE 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 MAX. E.I.R.P. At Any Elevation Angle Above 30 Degrees
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	PoE mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	Y Plane
	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio1_2.4G+Radio2_5G+Bluetooth+WWAN
Refer to Sporton Test Report No.: FA390701 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	



2.3 Accessories

Accessories				
Pole clamp	Brand Name	JIN GIAN DA FA	Model Name	6513A0083000

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

2.4 Support Equipment

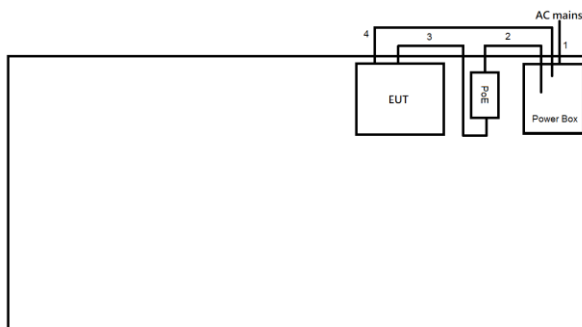
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	PoE	EnGenius	EPA5006GAT	-	Provided by Customer
2	Ground wire	N/A	N/A	-	Provided by Customer

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	Ground wire	N/A	N/A	-	Provided by Customer
2	PoE	EnGenius	EPA5006GAT	-	Provided by Customer / Remote

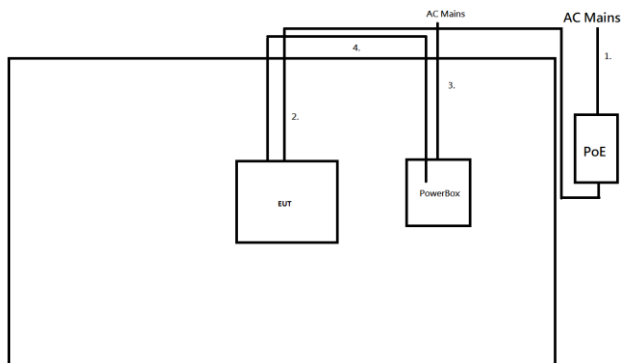
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	0.6	-
2	AC Power Cable	No	1.8	-
3	RJ45 Cable	No	3.0	-
4	Ground wire	No	1.2	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	0.6	-
2	RJ45 Cable	No	3.0	-
3	AC Power Cable	No	1.8	-
4	Ground Wire	No	1.2	-

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

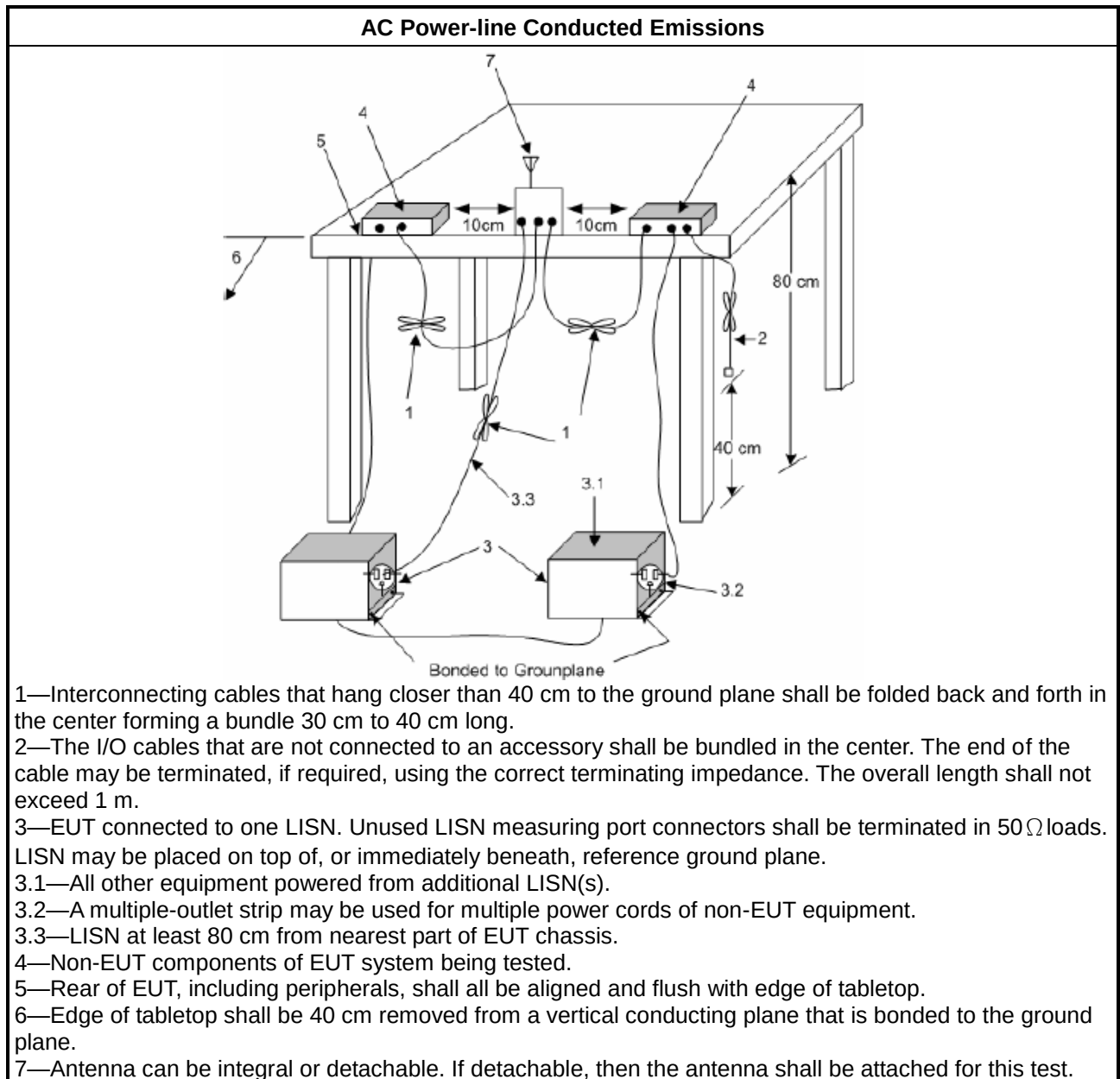
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

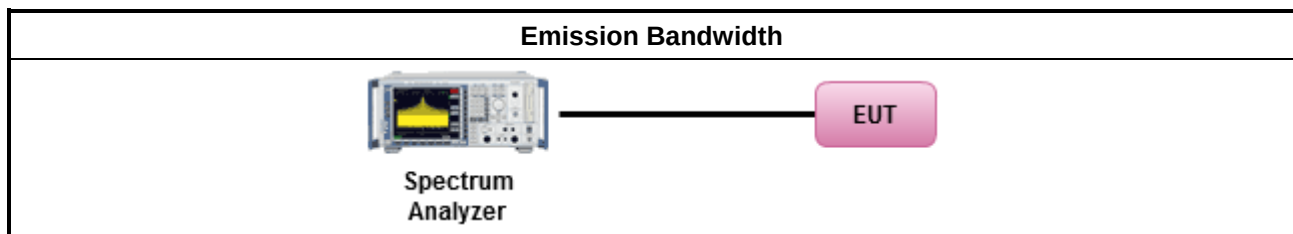
3.2.2 Measuring Instruments

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

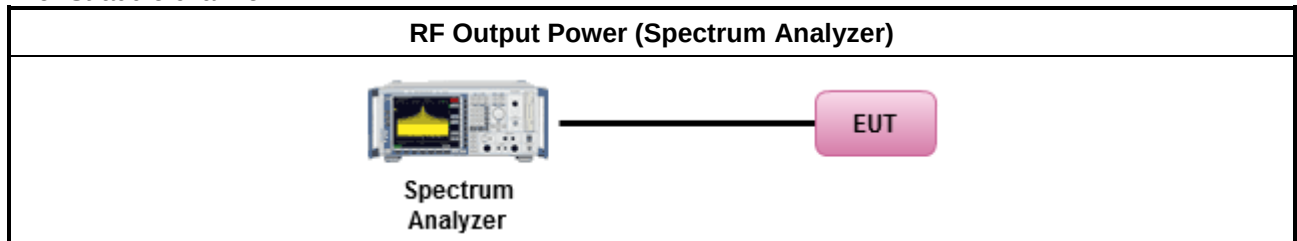
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

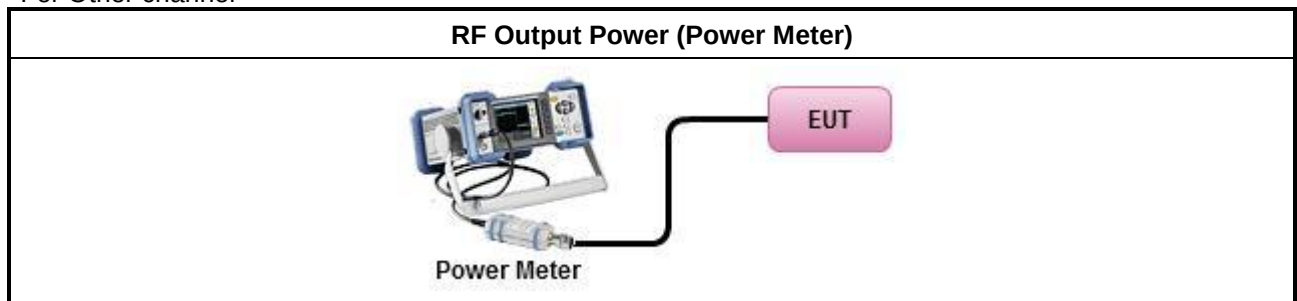
Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☒	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods 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.	

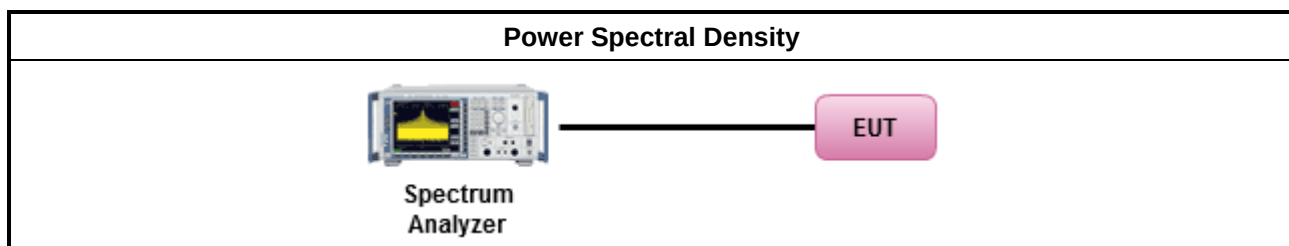
3.4.2 Measuring Instruments

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, F5) 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

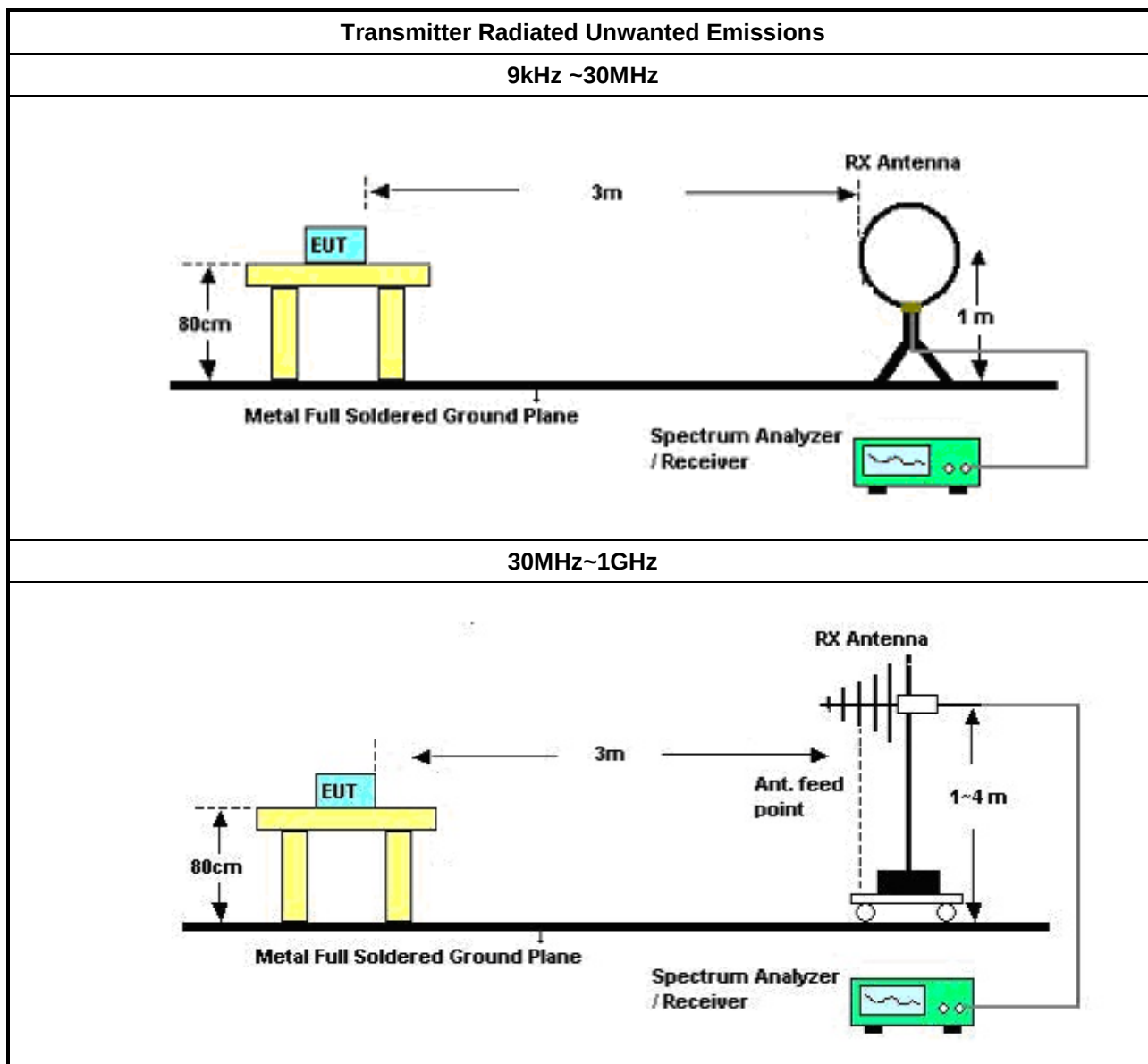
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 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.

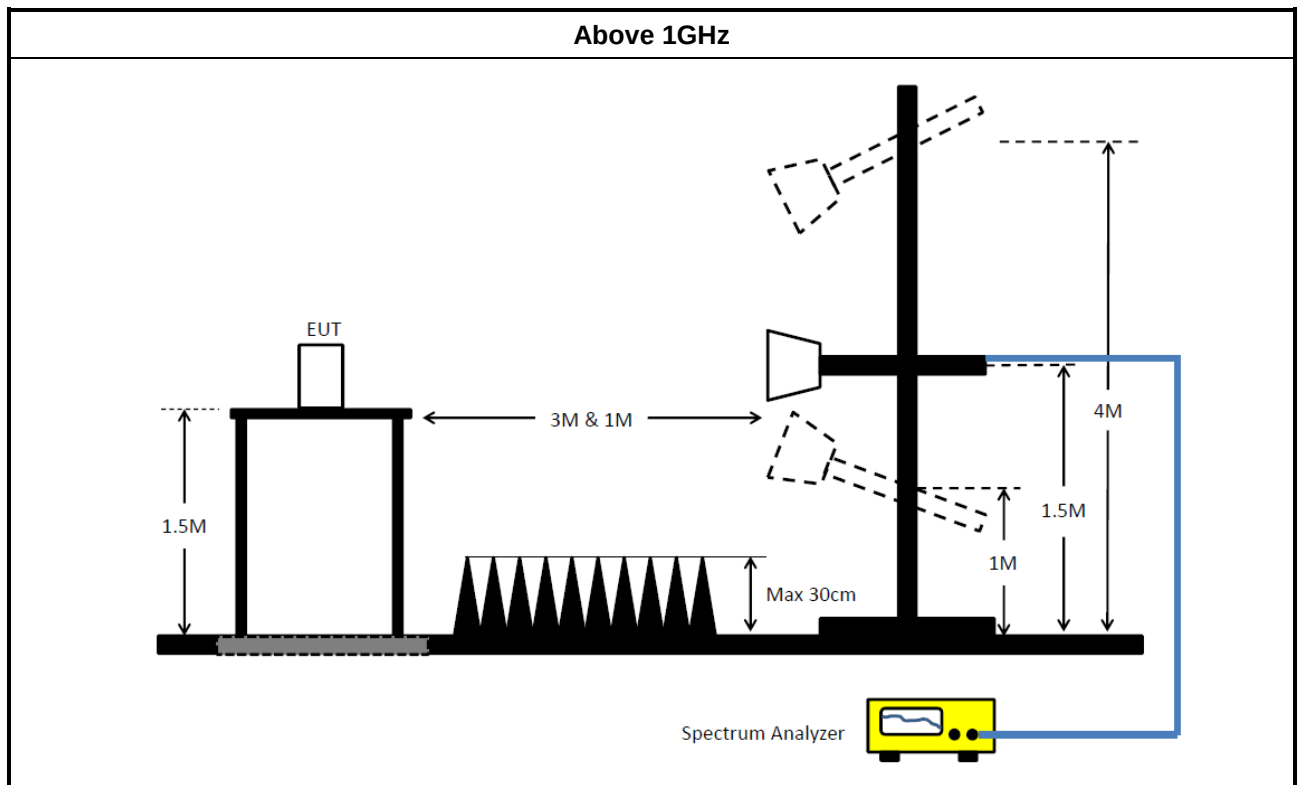
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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



3.6 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	R&S	ESR	102051	9kHz ~ 3.6GHz	16/May/2023	15/May/2024
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	18/Oct/2023	17/Oct/2024
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	101515	9kHz~40GHz	02/Feb/2024	01/Feb/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	15/Dec/2023	14/Dec/2024
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	15/Dec/2023	14/Dec/2024
SENSE-15407_NII	Sporton	V5.11.18	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	30MHz~1GHz 3m	17/Aug/2023	16/Aug/2024
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	1GHz~18GHz 3m	03/Aug/2023	02/Aug/2024
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101345	10Hz~44GHz	10/Aug/2023	09/Aug/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63537/001	30MHz~1GHz	31/May/2023	30/May/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02744	1GHz~18GHz	17/Aug/2023	16/Aug/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/Aug/2023	20/Aug/2024
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB002	9kHz~1GHz	21/Jul/2023	20/Jul/2024
RF Cable	HUBER+SUHNER	SUOFLEX 102	CB001	1GHz~40GHz	21/Jul/2023	20/Jul/2024
Preamplifier	SGH	PRAMP 903	20230515-2	25MHz~3GHz	25/May/2023	24/May/2024
Amplifier	EM	EM01G18G	060870	1GHz ~18GHz	10/Aug/2023	09/Aug/2024
Amplifier	EM	EM18G40GA	060874	18GHz ~40GHz	15/Apr/2024	14/Apr/2025
SENSE-15247-DTS	Sporton	V5.11.18	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	28/Jul/2023	27/Jul/2024
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2023	25/Oct/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz~18GHz	04/Oct/2023	03/Oct/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	04/Jun/2024	03/Jun/2025
RF CABLE 5+8 m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-03	1GHz~40GHz	20/Feb/2024	19/Feb/2025
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	26/Jul/2023	25/Jul/2024
Amplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	19/Apr/2024	18/Apr/2025
SENSE-EMI	Sporton	V5.11.6	N/A	N/A	N/A	N/A



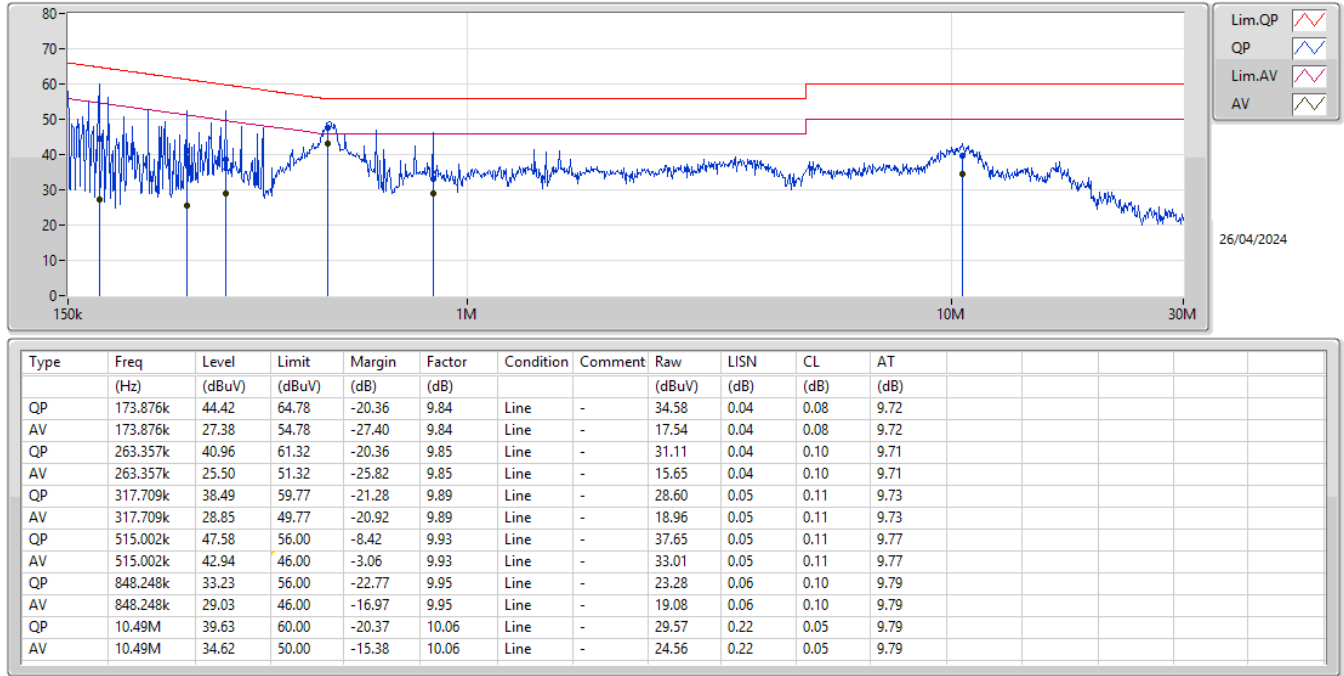
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	515.002k	42.94	46.00	-3.06	Line

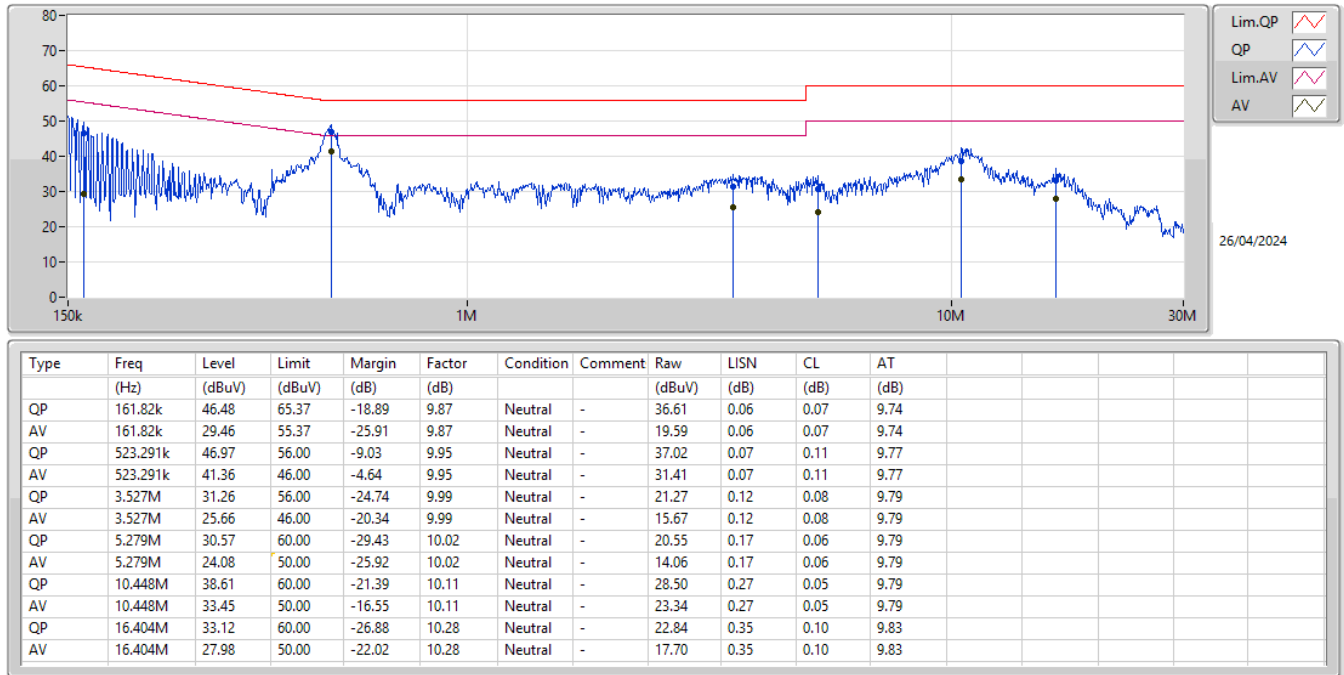
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	173.876k	44.42	64.78	-20.36	Line
Mode 1	Pass	AV	173.876k	27.38	54.78	-27.40	Line
Mode 1	Pass	QP	263.357k	40.96	61.32	-20.36	Line
Mode 1	Pass	AV	263.357k	25.50	51.32	-25.82	Line
Mode 1	Pass	QP	317.709k	38.49	59.77	-21.28	Line
Mode 1	Pass	AV	317.709k	28.85	49.77	-20.92	Line
Mode 1	Pass	QP	515.002k	47.58	56.00	-8.42	Line
Mode 1	Pass	AV	515.002k	42.94	46.00	-3.06	Line
Mode 1	Pass	QP	848.248k	33.23	56.00	-22.77	Line
Mode 1	Pass	AV	848.248k	29.03	46.00	-16.97	Line
Mode 1	Pass	QP	10.49M	39.63	60.00	-20.37	Line
Mode 1	Pass	AV	10.49M	34.62	50.00	-15.38	Line
Mode 1	Pass	QP	161.82k	46.48	65.37	-18.89	Neutral
Mode 1	Pass	AV	161.82k	29.46	55.37	-25.91	Neutral
Mode 1	Pass	QP	523.291k	46.97	56.00	-9.03	Neutral
Mode 1	Pass	AV	523.291k	41.36	46.00	-4.64	Neutral
Mode 1	Pass	QP	3.527M	31.26	56.00	-24.74	Neutral
Mode 1	Pass	AV	3.527M	25.66	46.00	-20.34	Neutral
Mode 1	Pass	QP	5.279M	30.57	60.00	-29.43	Neutral
Mode 1	Pass	AV	5.279M	24.08	50.00	-25.92	Neutral
Mode 1	Pass	QP	10.448M	38.61	60.00	-21.39	Neutral
Mode 1	Pass	AV	10.448M	33.45	50.00	-16.55	Neutral
Mode 1	Pass	QP	16.404M	33.12	60.00	-26.88	Neutral
Mode 1	Pass	AV	16.404M	27.98	50.00	-22.02	Neutral

Conducted Emissions at Powerline_Mode 1



Conducted Emissions at Powerline_Mode 1



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	28.93M	16.841M	16M8D1D	19.855M	16.377M
802.11ax HEW20_Nss1,(MCS0)_2TX	30.085M	19.246M	19M2D1D	20.24M	18.93M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.25M	38.017M	38M0D1D	40.04M	37.577M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.08M	77.038M	77M0D1D	80.08M	76.826M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.34M	16.478M	16M5D1D	19.415M	16.413M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.945M	18.979M	19M0D1D	20.24M	18.893M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.03M	37.928M	37M9D1D	39.71M	37.624M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.52M	77.016M	77M0D1D	80.08M	76.887M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.23M	16.498M	16M5D1D	15.615M	13.235M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.175M	19.148M	19M1D1D	15.21M	14.403M
802.11ax HEW40_Nss1,(MCS0)_2TX	50.785M	38.003M	38M0D1D	35.91M	33.807M
802.11ax HEW80_Nss1,(MCS0)_2TX	128.92M	78.146M	78M1D1D	80.52M	73.21M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.445M	16.61M	16M6D1D	3.16M	3.785M
802.11ax HEW20_Nss1,(MCS0)_2TX	19.03M	19.011M	19M0D1D	4.34M	4.566M
802.11ax HEW40_Nss1,(MCS0)_2TX	38.06M	38.233M	38M2D1D	4.06M	11.251M
802.11ax HEW80_Nss1,(MCS0)_2TX	77.88M	77.916M	77M9D1D	4.08M	32.179M

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	28.93M	16.841M	22.66M	16.533M
5200MHz	Pass	Inf	26.015M	16.749M	22M	16.444M
5240MHz	Pass	Inf	21.23M	16.377M	19.855M	16.439M
5260MHz	Pass	Inf	20.68M	16.478M	21.34M	16.434M
5300MHz	Pass	Inf	19.415M	16.429M	20.79M	16.418M
5320MHz	Pass	Inf	19.525M	16.428M	19.47M	16.413M
5500MHz	Pass	Inf	20.46M	16.377M	20.075M	16.399M
5580MHz	Pass	Inf	20.35M	16.498M	21.23M	16.398M
5700MHz	Pass	Inf	19.525M	16.448M	20.13M	16.392M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.065M	13.243M	15.615M	13.235M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.22M	5.174M	3.16M	3.785M
5745MHz	Pass	500k	16.335M	16.543M	16.335M	16.408M
5785MHz	Pass	500k	16.445M	16.61M	15.785M	16.488M
5825MHz	Pass	500k	16.335M	16.486M	14.08M	16.459M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	30.085M	19.246M	25.575M	19.075M
5200MHz	Pass	Inf	23.87M	19.021M	20.79M	19.012M
5240MHz	Pass	Inf	20.24M	18.982M	20.625M	18.93M
5260MHz	Pass	Inf	21.945M	18.961M	21.89M	18.915M
5300MHz	Pass	Inf	20.35M	18.893M	20.24M	18.979M
5320MHz	Pass	Inf	20.295M	18.894M	20.515M	18.922M
5500MHz	Pass	Inf	21.175M	18.888M	20.68M	18.95M
5580MHz	Pass	Inf	20.405M	19.148M	20.735M	18.962M
5700MHz	Pass	Inf	20.295M	18.904M	21.065M	19.018M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.9M	14.403M	15.21M	14.45M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.6M	4.919M	4.34M	4.566M
5745MHz	Pass	500k	18.92M	18.957M	19.03M	18.894M
5785MHz	Pass	500k	18.865M	19.011M	19.03M	18.95M
5825MHz	Pass	500k	19.03M	18.914M	19.03M	18.964M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.25M	37.975M	40.04M	37.797M
5230MHz	Pass	Inf	40.7M	37.577M	40.48M	38.017M
5270MHz	Pass	Inf	41.03M	37.709M	39.71M	37.809M
5310MHz	Pass	Inf	40.92M	37.624M	40.48M	37.928M
5510MHz	Pass	Inf	40.26M	37.665M	40.37M	37.863M
5550MHz	Pass	Inf	40.7M	37.945M	40.7M	37.723M
5670MHz	Pass	Inf	43.45M	38.003M	40.48M	37.902M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	50.785M	33.853M	35.91M	33.807M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	22.947M	4.12M	11.251M
5755MHz	Pass	500k	38.06M	37.934M	38.06M	37.951M
5795MHz	Pass	500k	38.06M	38.233M	38.06M	37.945M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	80.08M	76.826M	80.08M	77.038M
5290MHz	Pass	Inf	80.08M	77.016M	80.52M	76.887M
5530MHz	Pass	Inf	80.74M	76.745M	80.52M	76.868M
5610MHz	Pass	Inf	128.92M	78.146M	83.38M	77.74M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	112.2M	74.425M	82.65M	73.21M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.1M	37.393M	4.08M	32.179M
5775MHz	Pass	500k	77.88M	77.916M	71.72M	77.378M

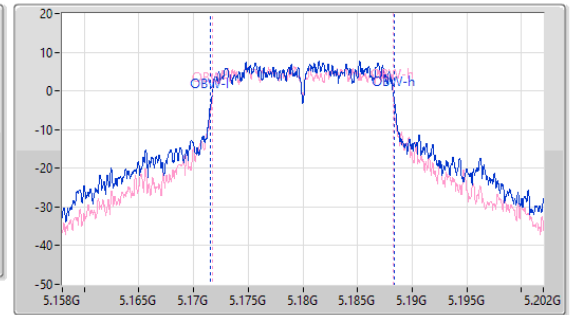
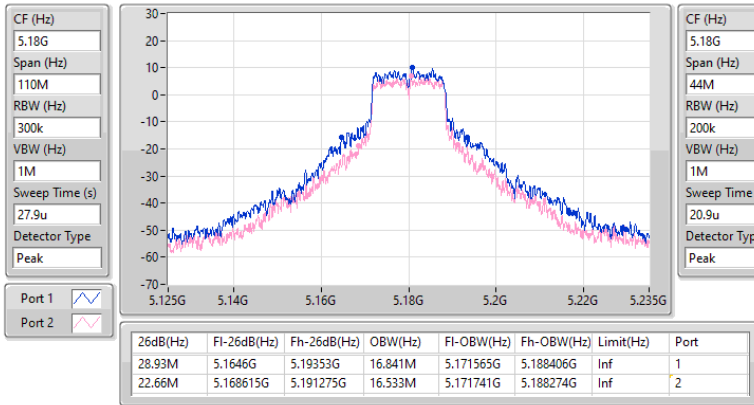
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

22/04/2024

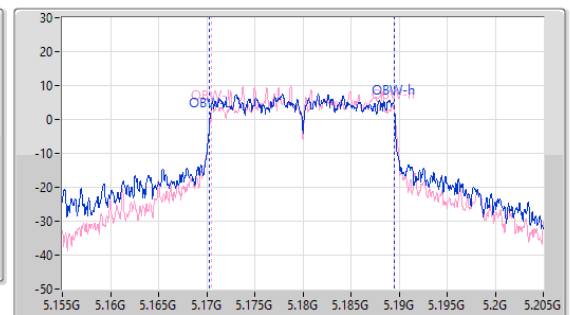
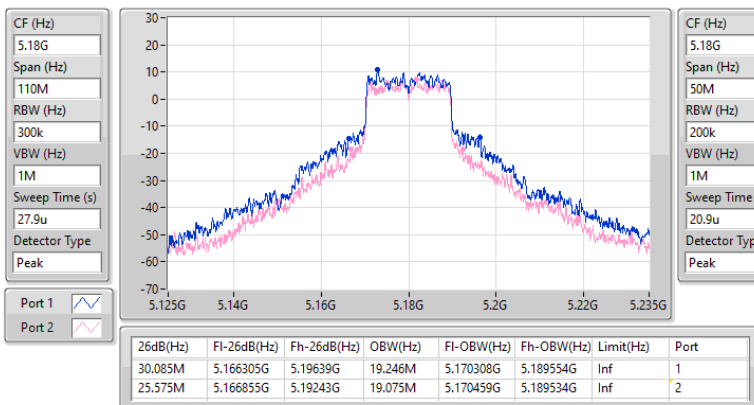


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5180MHz

22/04/2024

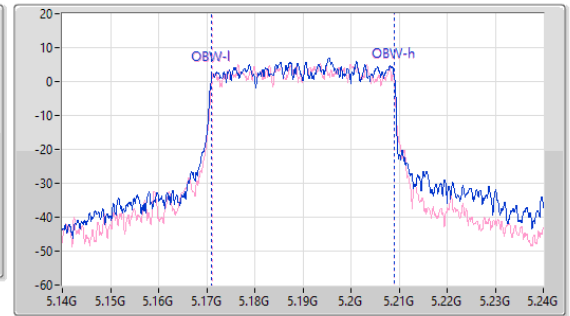
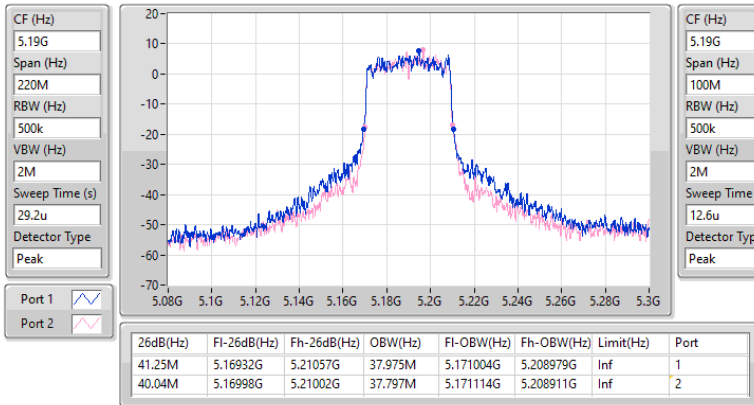


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5190MHz

22/04/2024

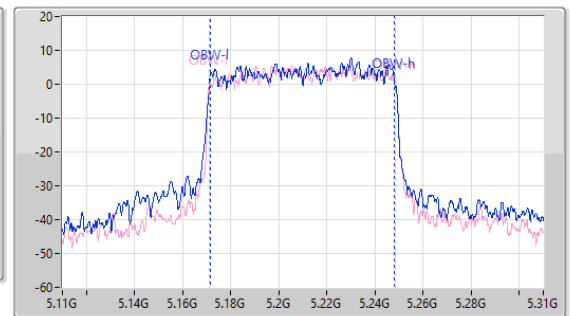
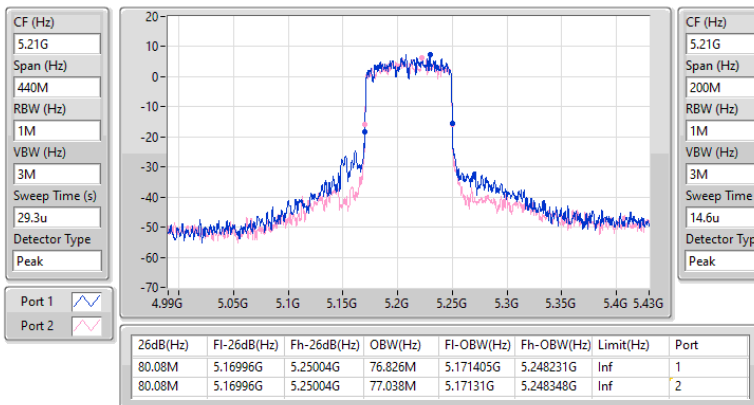


5.15-5.25GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

EBW

5210MHz

22/04/2024

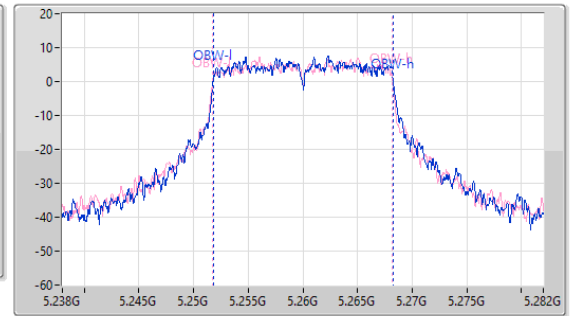
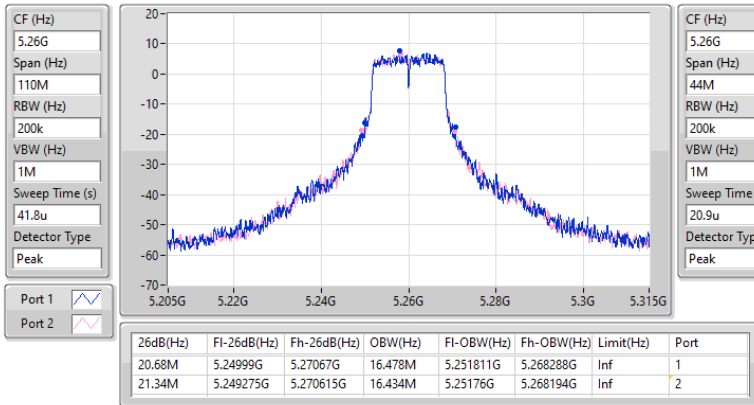


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

22/04/2024

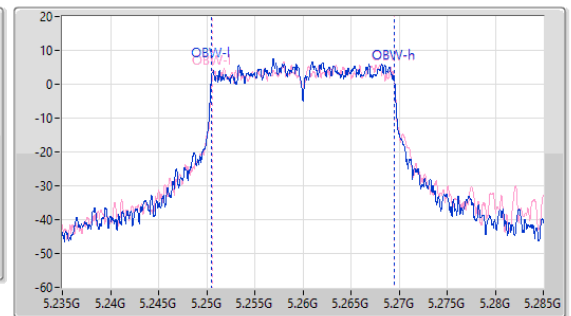
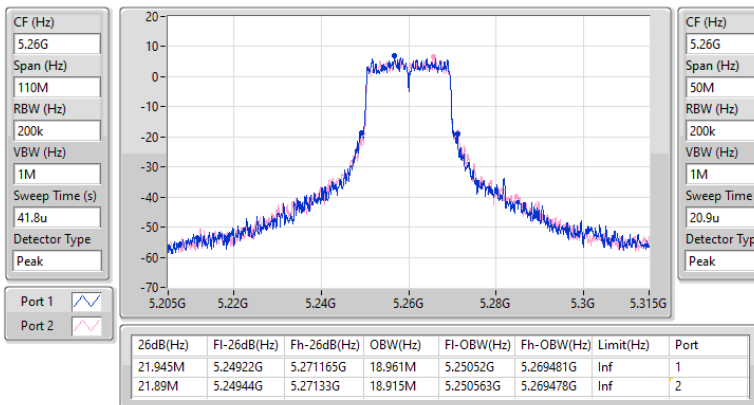


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5260MHz

22/04/2024

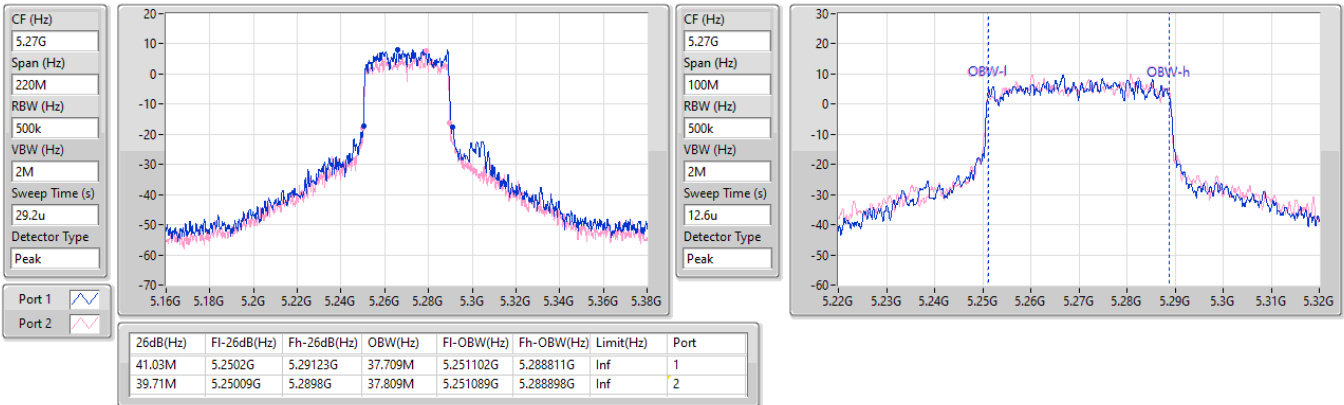


5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5270MHz

22/04/2024

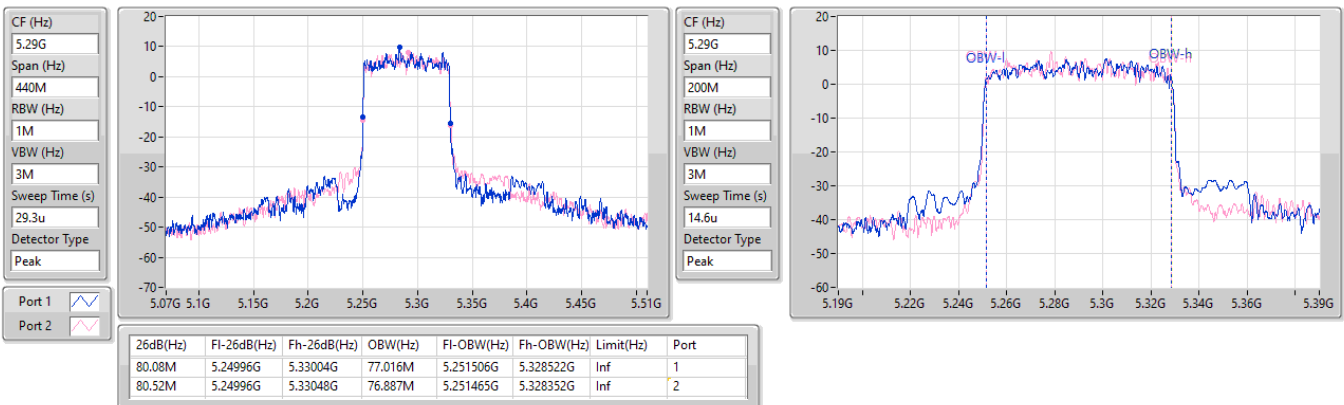


5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5290MHz

22/04/2024

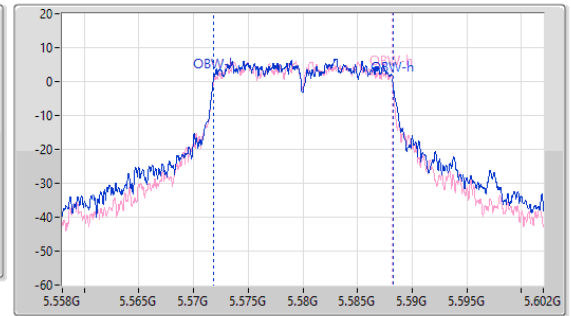
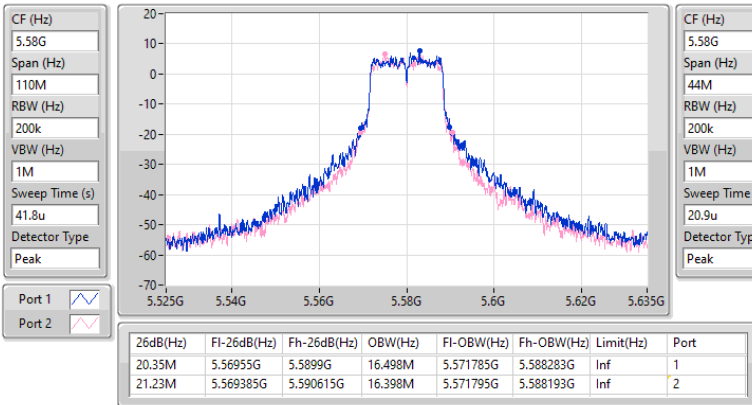


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

22/04/2024

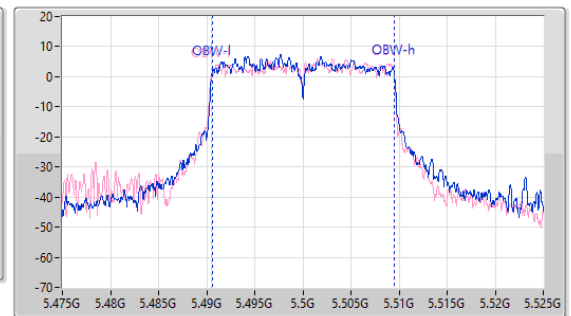
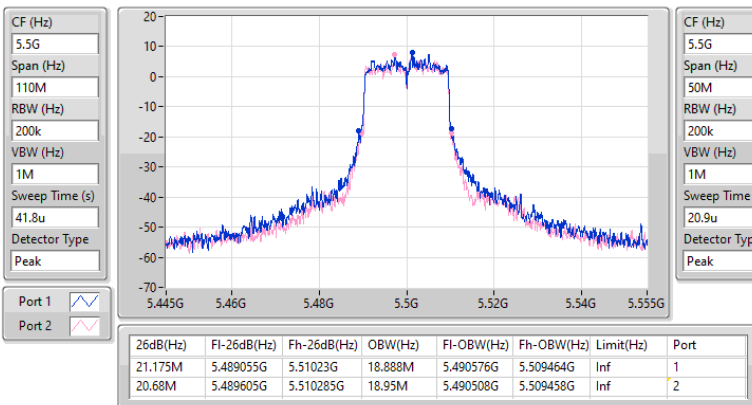


5.47-5.725GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5500MHz

22/04/2024

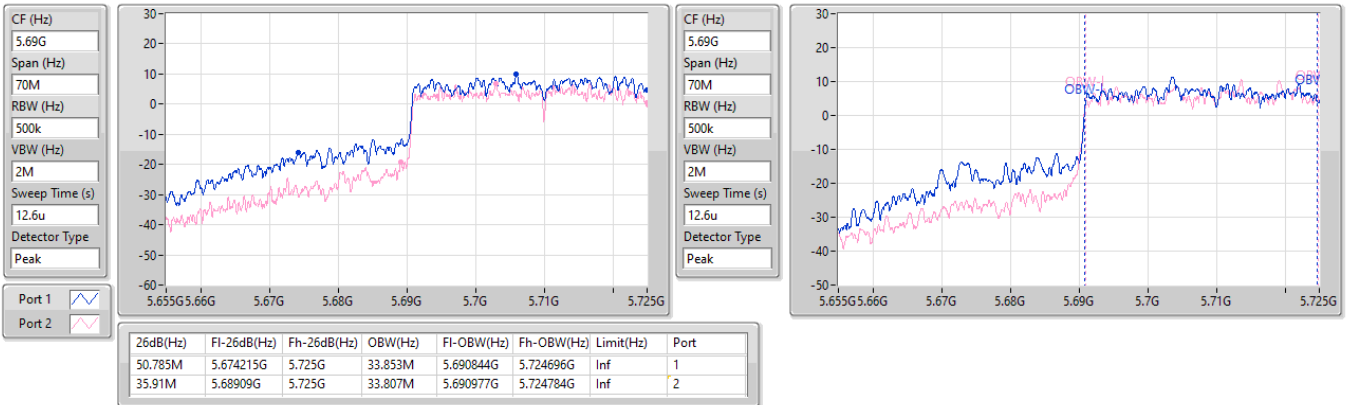


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

22/04/2024

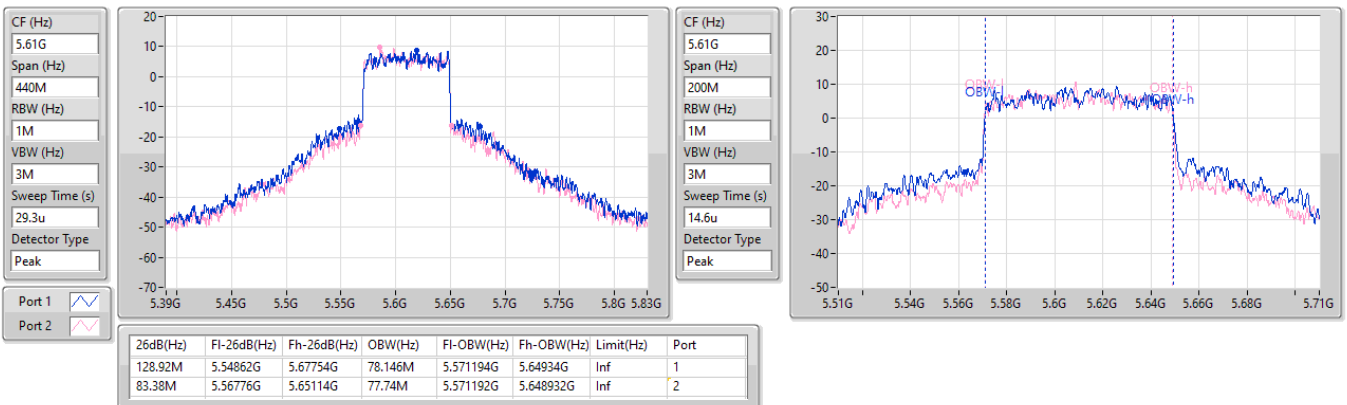


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5610MHz

22/04/2024

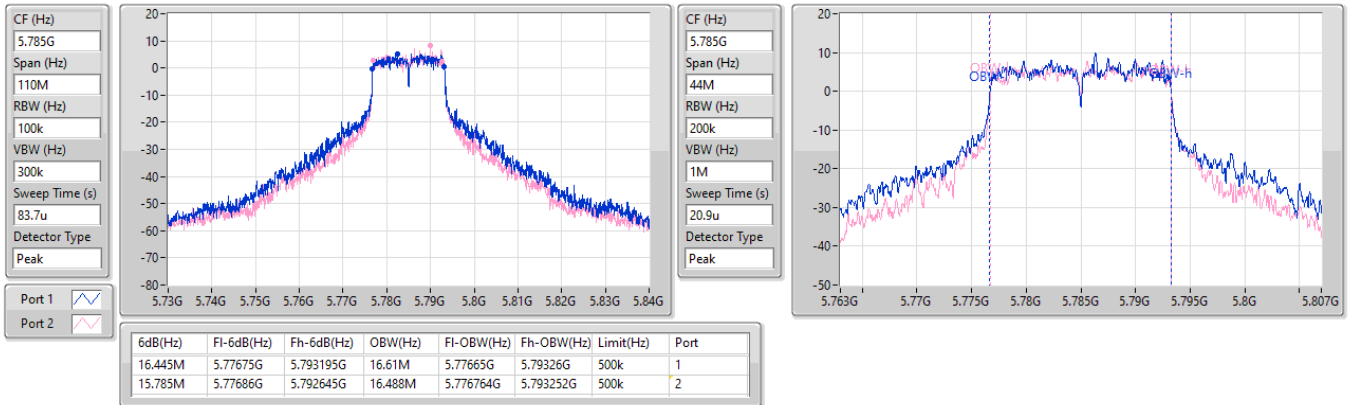


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

22/04/2024

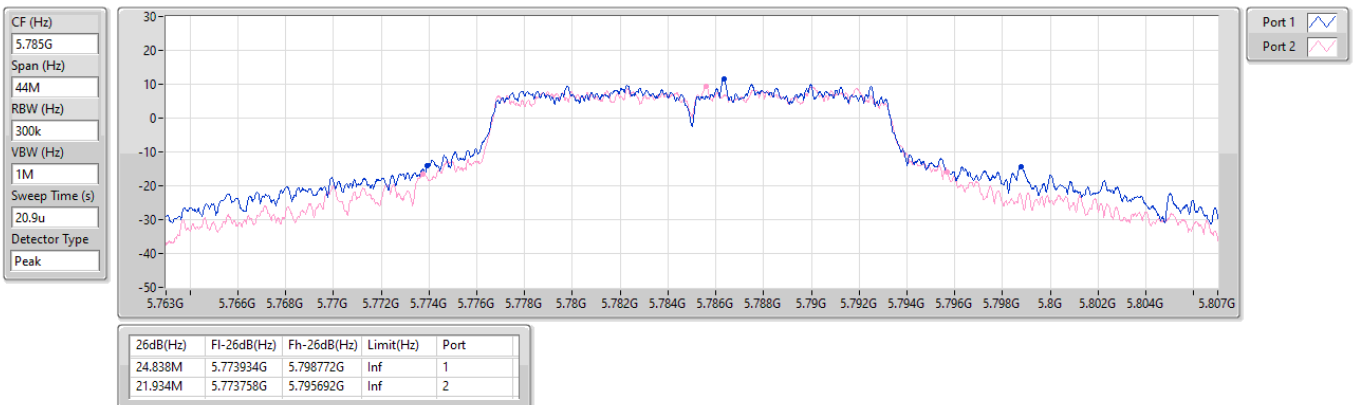


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

22/04/2024

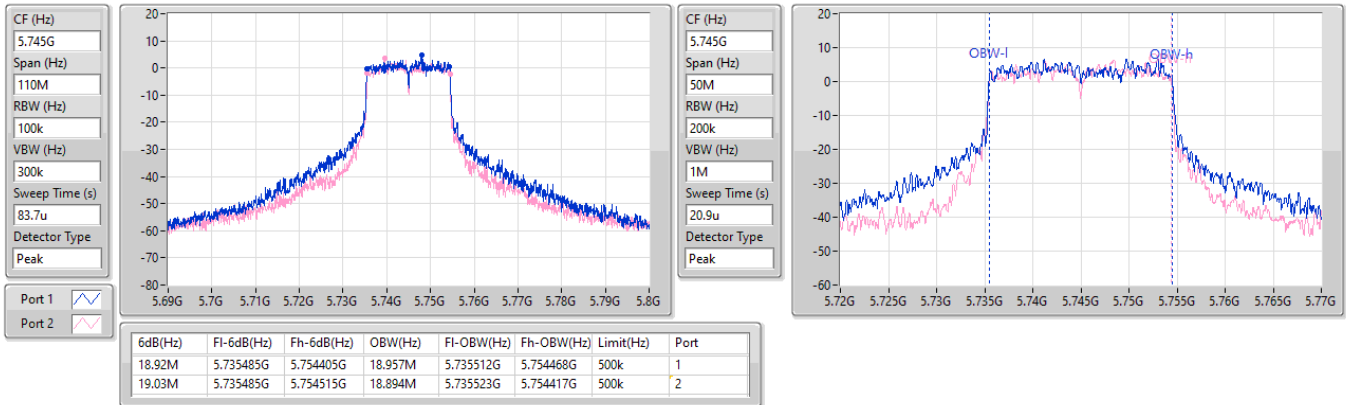


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5745MHz

22/04/2024

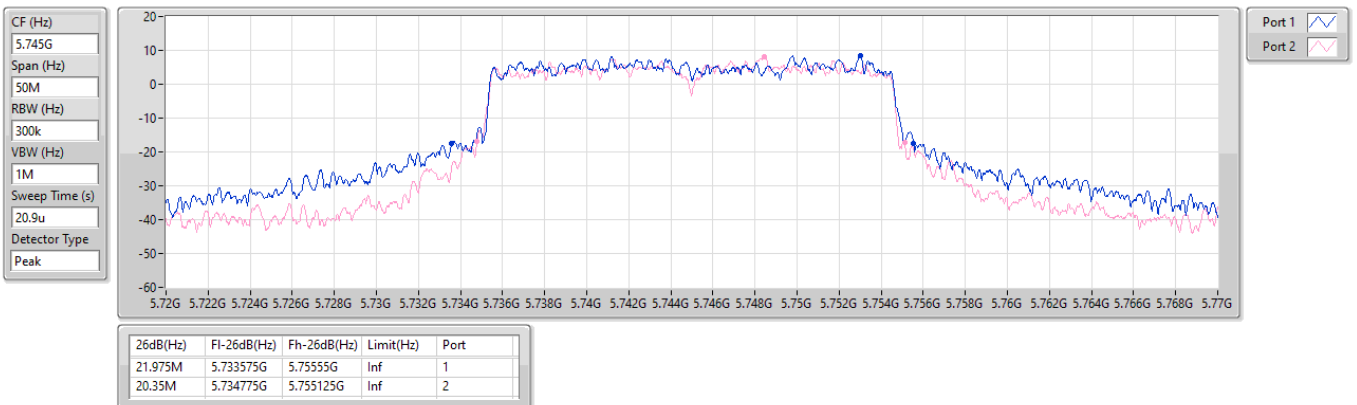


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5745MHz

22/04/2024

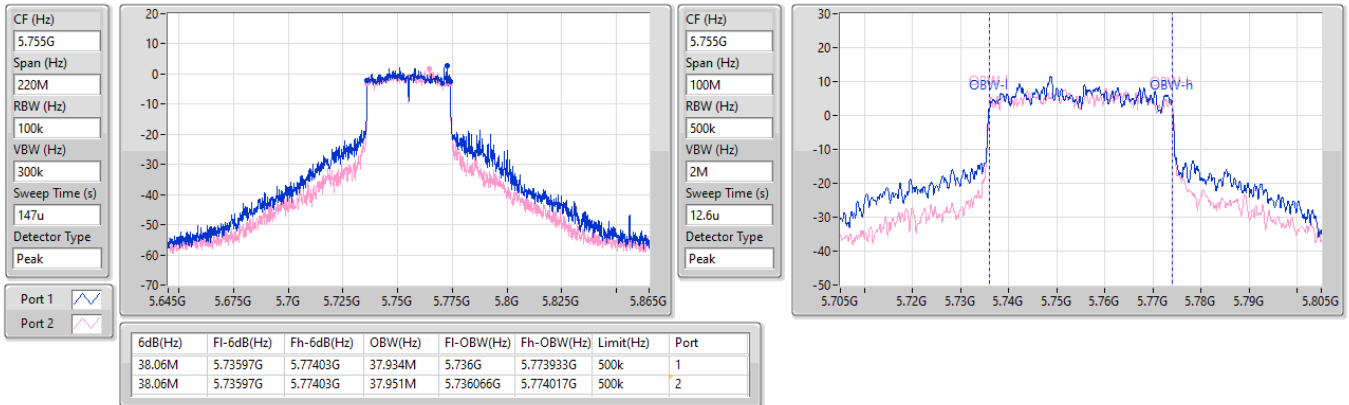


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

22/04/2024

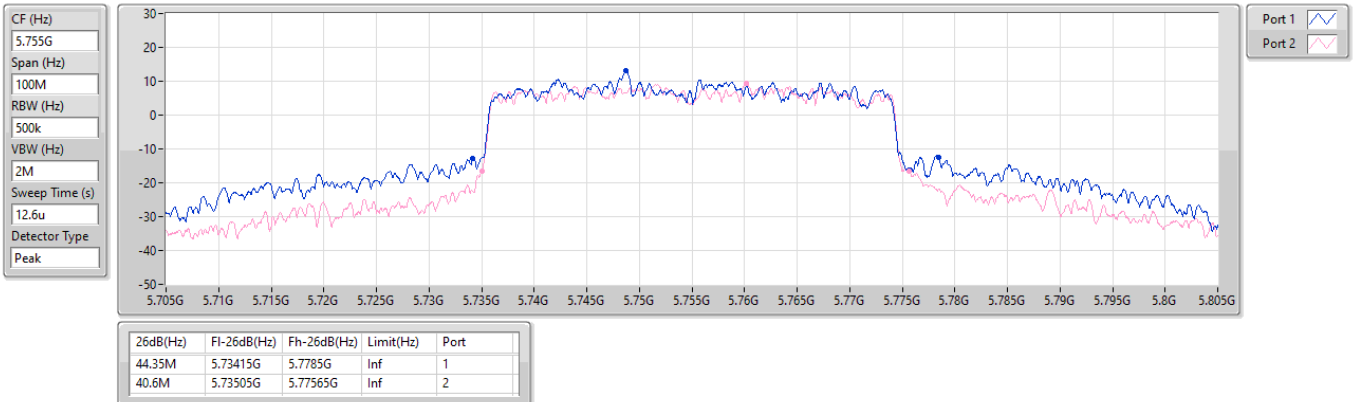


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

22/04/2024

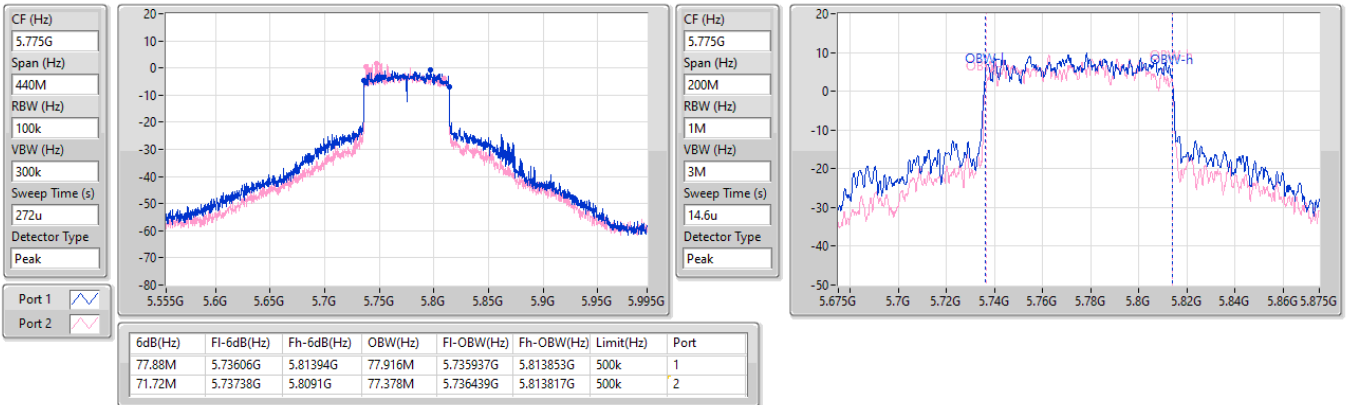


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

21/06/2024

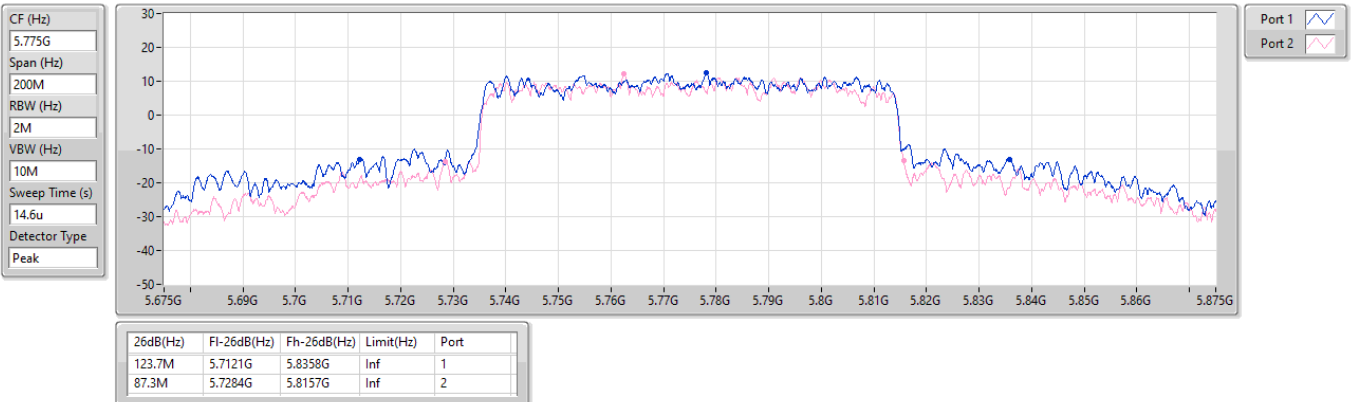


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

21/06/2024



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.76	0.14997	26.70	0.46774
802.11ax HEW20_Nss1,(MCS0)_2TX	21.98	0.15776	26.92	0.49204
802.11ax HEW40_Nss1,(MCS0)_2TX	21.18	0.13122	26.12	0.40926
802.11ax HEW80_Nss1,(MCS0)_2TX	19.05	0.08035	23.99	0.25061
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.45	0.13964	26.39	0.43551
802.11ax HEW20_Nss1,(MCS0)_2TX	20.91	0.12331	25.85	0.38459
802.11ax HEW40_Nss1,(MCS0)_2TX	21.46	0.13996	26.40	0.43652
802.11ax HEW80_Nss1,(MCS0)_2TX	20.38	0.10914	25.32	0.34041
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.25	0.13335	26.19	0.41591
802.11ax HEW20_Nss1,(MCS0)_2TX	20.76	0.11912	25.70	0.37154
802.11ax HEW40_Nss1,(MCS0)_2TX	21.72	0.14859	26.66	0.46345
802.11ax HEW80_Nss1,(MCS0)_2TX	22.64	0.18365	27.58	0.57280
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.01	0.15885	26.95	0.49545
802.11ax HEW20_Nss1,(MCS0)_2TX	21.48	0.14060	26.42	0.43853
802.11ax HEW40_Nss1,(MCS0)_2TX	21.88	0.15417	26.82	0.48084
802.11ax HEW80_Nss1,(MCS0)_2TX	21.71	0.14825	26.65	0.46238

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.94	18.93	18.57	21.76	30.00	26.70	36.00
5200MHz	Pass	4.94	18.77	18.35	21.58	30.00	26.52	36.00
5240MHz	Pass	4.94	18.24	18.5	21.38	30.00	26.32	36.00
5260MHz	Pass	4.94	18.43	18.45	21.45	23.98	26.39	30.00
5300MHz	Pass	4.94	18.38	18.3	21.35	23.88	26.29	29.88
5320MHz	Pass	4.94	18.06	18.57	21.33	23.89	26.27	29.89
5500MHz	Pass	4.94	18.56	17.89	21.25	23.98	26.19	30.00
5580MHz	Pass	4.94	17.99	17.78	20.90	23.98	25.84	30.00
5700MHz	Pass	4.94	17.5	17.25	20.39	23.91	25.33	29.91
5720MHz Straddle 5.47-5.725GHz	Pass	4.94	17.62	17.46	20.55	22.94	25.49	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	4.94	11.45	11.29	14.38	30.00	19.32	36.00
5745MHz	Pass	4.94	18.21	18.04	21.14	30.00	26.08	36.00
5785MHz	Pass	4.94	19.15	18.85	22.01	30.00	26.95	36.00
5825MHz	Pass	4.94	17.81	17.62	20.73	30.00	25.67	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.94	19.2	18.72	21.98	30.00	26.92	36.00
5200MHz	Pass	4.94	19.02	18.47	21.76	30.00	26.70	36.00
5240MHz	Pass	4.94	17.78	18.04	20.92	30.00	25.86	36.00
5260MHz	Pass	4.94	17.9	17.87	20.90	23.98	25.84	30.00
5300MHz	Pass	4.94	17.93	17.86	20.91	23.98	25.85	30.00
5320MHz	Pass	4.94	17.52	18.08	20.82	23.98	25.76	30.00
5500MHz	Pass	4.94	18.09	17.39	20.76	23.98	25.70	30.00
5580MHz	Pass	4.94	17.49	17.34	20.43	23.98	25.37	30.00
5700MHz	Pass	4.94	17.03	16.69	19.87	23.98	24.81	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.94	17.11	17.59	20.37	22.82	25.31	28.82
5720MHz Straddle 5.725-5.85GHz	Pass	4.94	11.79	12.36	15.09	30.00	20.03	36.00
5745MHz	Pass	4.94	17.6	17.5	20.56	30.00	25.50	36.00
5785MHz	Pass	4.94	18.67	18.27	21.48	30.00	26.42	36.00
5825MHz	Pass	4.94	17.19	17.83	20.53	30.00	25.47	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.94	16.74	16.2	19.49	30.00	24.43	36.00
5230MHz	Pass	4.94	18.23	18.11	21.18	30.00	26.12	36.00
5270MHz	Pass	4.94	18.51	18.38	21.46	23.98	26.40	30.00
5310MHz	Pass	4.94	17.72	17.95	20.85	23.98	25.79	30.00
5510MHz	Pass	4.94	17.48	17.09	20.30	23.98	25.24	30.00
5550MHz	Pass	4.94	18.49	17.91	21.22	23.98	26.16	30.00
5670MHz	Pass	4.94	16.96	17.81	20.42	23.98	25.36	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.94	19.19	18.16	21.72	23.98	26.66	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.94	9.08	8.15	11.65	30.00	16.59	36.00
5755MHz	Pass	4.94	18.79	18.45	21.63	30.00	26.57	36.00
5795MHz	Pass	4.94	19.18	18.54	21.88	30.00	26.82	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.94	16.3	15.76	19.05	30.00	23.99	36.00
5290MHz	Pass	4.94	17.39	17.35	20.38	23.98	25.32	30.00
5530MHz	Pass	4.94	17.36	16.99	20.19	23.98	25.13	30.00
5610MHz	Pass	4.94	18.71	18.7	21.72	23.98	26.66	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.94	20.01	19.22	22.64	23.98	27.58	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.94	6.01	5.25	8.66	30.00	13.60	36.00
5775MHz	Pass	4.94	18.99	18.38	21.71	30.00	26.65	36.00

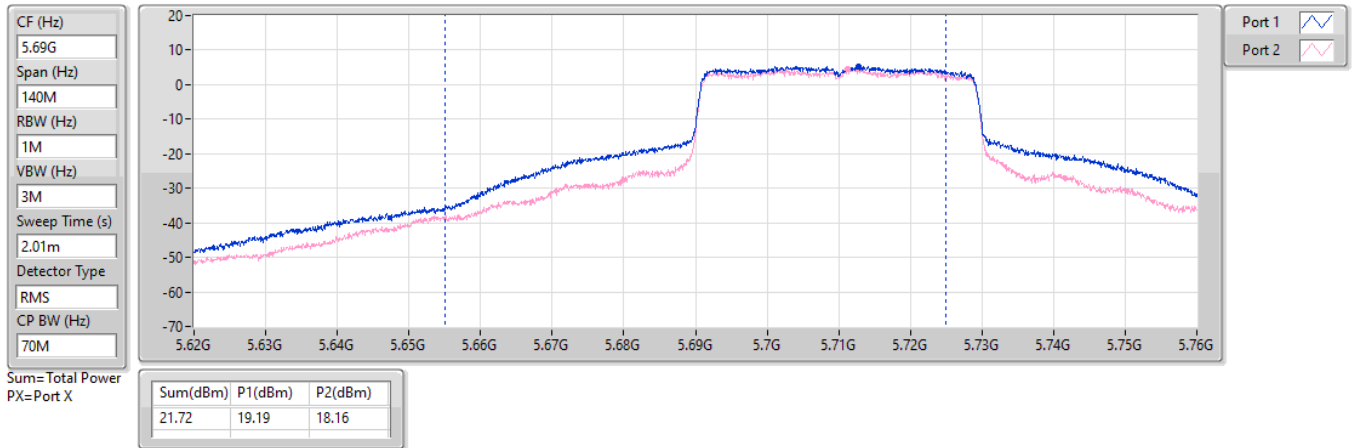
DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

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

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

22/04/2024

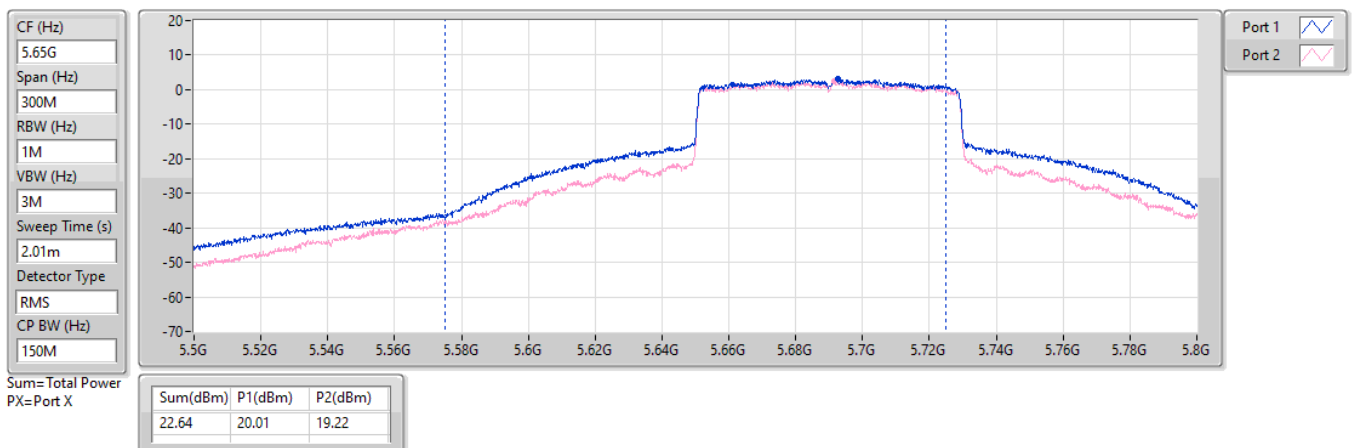


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

22/04/2024



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.86	0.15346	29.52	0.89536
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.05	0.12735	28.71	0.74302
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	18.93	0.07816	26.59	0.45604
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.80	0.12023	28.46	0.70146
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.32	0.13552	28.98	0.79068
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	20.26	0.10617	27.92	0.61944
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.65	0.11614	28.31	0.67764
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.24	0.13305	28.90	0.77625
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	21.61	0.14488	29.27	0.84528
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.38	0.13740	29.04	0.80168
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.73	0.14894	29.39	0.86896
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	21.68	0.14723	29.34	0.85901

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.66	19.07	18.61	21.86	28.34	29.52	36.00
5200MHz	Pass	7.66	18.89	18.33	21.63	28.34	29.29	36.00
5240MHz	Pass	7.66	17.66	17.93	20.81	28.34	28.47	36.00
5260MHz	Pass	7.66	17.80	17.77	20.80	22.32	28.46	30.00
5300MHz	Pass	7.66	17.82	17.74	20.79	22.32	28.45	30.00
5320MHz	Pass	7.66	17.38	17.94	20.68	22.32	28.34	30.00
5500MHz	Pass	7.66	17.99	17.25	20.65	22.32	28.31	30.00
5580MHz	Pass	7.66	17.37	17.24	20.32	22.32	27.98	30.00
5700MHz	Pass	7.66	16.91	16.58	19.76	22.32	27.42	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.66	17.01	17.49	20.27	21.16	27.93	28.82
5720MHz Straddle 5.725-5.85GHz	Pass	7.66	11.67	12.23	14.97	28.34	22.63	36.00
5745MHz	Pass	7.66	17.49	17.40	20.46	28.34	28.12	36.00
5785MHz	Pass	7.66	18.57	18.16	21.38	28.34	29.04	36.00
5825MHz	Pass	7.66	17.03	17.42	20.24	28.34	27.90	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.66	16.64	16.06	19.37	28.34	27.03	36.00
5230MHz	Pass	7.66	18.11	17.97	21.05	28.34	28.71	36.00
5270MHz	Pass	7.66	18.39	18.23	21.32	22.32	28.98	30.00
5310MHz	Pass	7.66	17.59	17.81	20.71	22.32	28.37	30.00
5510MHz	Pass	7.66	17.36	16.97	20.18	22.32	27.84	30.00
5550MHz	Pass	7.66	18.38	17.77	21.10	22.32	28.76	30.00
5670MHz	Pass	7.66	16.83	17.70	20.30	22.32	27.96	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.66	18.43	18.01	21.24	22.32	28.90	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.66	8.39	7.97	11.20	28.34	18.86	36.00
5755MHz	Pass	7.66	18.69	18.33	21.52	28.34	29.18	36.00
5795MHz	Pass	7.66	19.03	18.39	21.73	28.34	29.39	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.66	16.16	15.66	18.93	28.34	26.59	36.00
5290MHz	Pass	7.66	17.26	17.23	20.26	22.32	27.92	30.00
5530MHz	Pass	7.66	17.26	16.87	20.08	22.32	27.74	30.00
5610MHz	Pass	7.66	18.59	18.60	21.61	22.32	29.27	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.66	18.78	18.15	21.49	22.32	29.15	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.66	4.75	4.62	7.70	28.34	15.36	36.00
5775MHz	Pass	7.66	18.96	18.35	21.68	28.34	29.34	36.00

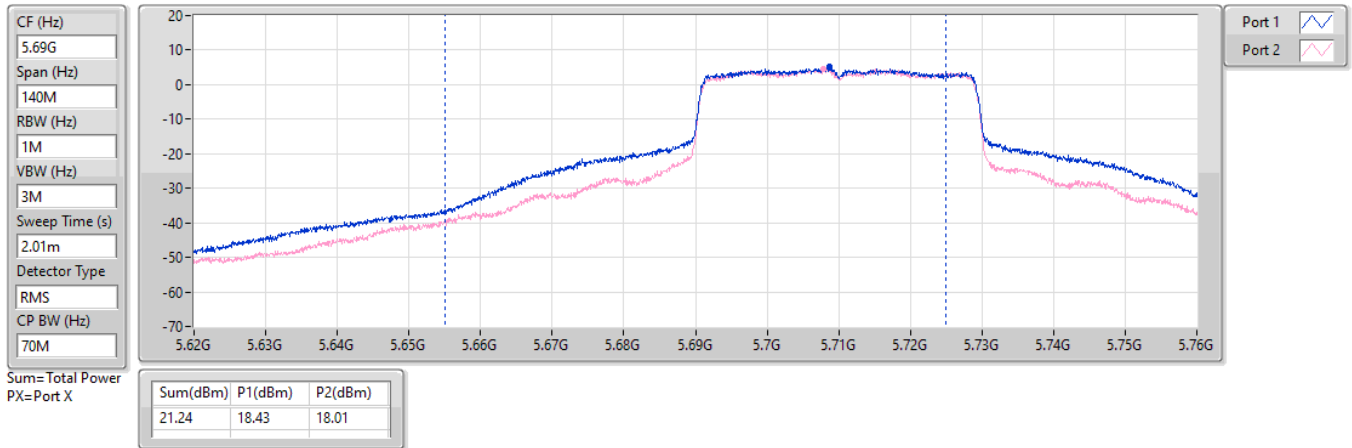
DG = Directional Gain; Port X = Port X output power
 Inf = There's no restriction for the limit.

5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

22/04/2024

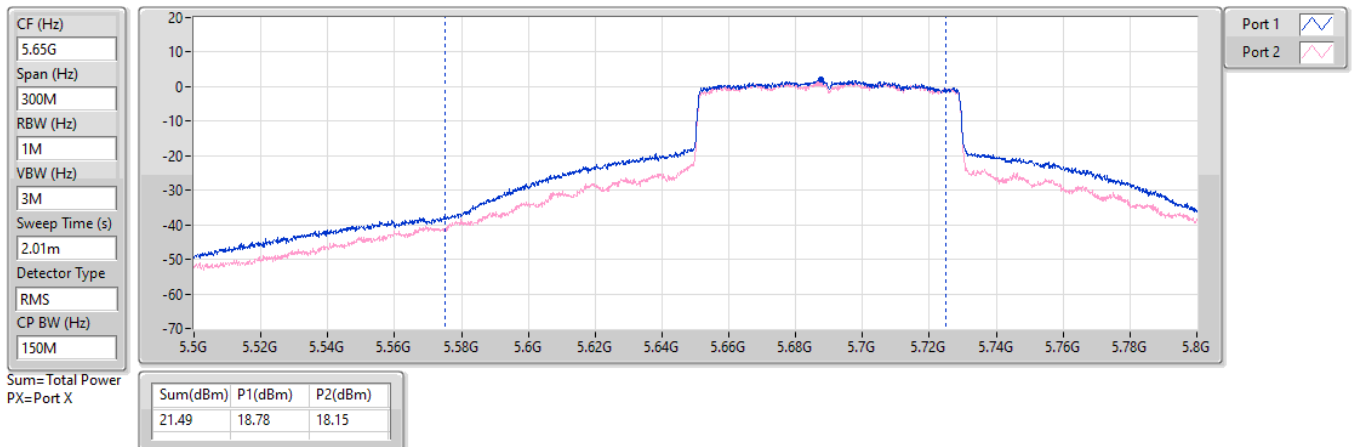


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

22/04/2024



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.22	16.88
802.11ax HEW20_Nss1,(MCS0)_2TX	8.8	16.46
802.11ax HEW40_Nss1,(MCS0)_2TX	5.08	12.74
802.11ax HEW80_Nss1,(MCS0)_2TX	0.1	7.76
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.01	16.67
802.11ax HEW20_Nss1,(MCS0)_2TX	7.88	15.54
802.11ax HEW40_Nss1,(MCS0)_2TX	5.51	13.17
802.11ax HEW80_Nss1,(MCS0)_2TX	1.66	9.32
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.04	16.70
802.11ax HEW20_Nss1,(MCS0)_2TX	7.92	15.58
802.11ax HEW40_Nss1,(MCS0)_2TX	6.38	14.04
802.11ax HEW80_Nss1,(MCS0)_2TX	3.74	11.40
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.11	15.77
802.11ax HEW20_Nss1,(MCS0)_2TX	7.05	14.71
802.11ax HEW40_Nss1,(MCS0)_2TX	4.53	12.19
802.11ax HEW80_Nss1,(MCS0)_2TX	1.41	9.07

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.66	6.52	6.13	9.22	15.34	16.88	23.00
5200MHz	Pass	7.66	6.49	5.93	9.03	15.34	16.69	23.00
5240MHz	Pass	7.66	5.85	5.95	8.74	15.34	16.40	23.00
5260MHz	Pass	7.66	6.12	5.89	9.01	9.34	16.67	17.00
5300MHz	Pass	7.66	5.85	5.67	8.71	9.34	16.37	17.00
5320MHz	Pass	7.66	5.72	6.08	8.84	9.34	16.50	17.00
5500MHz	Pass	7.66	6.03	5.55	8.70	9.34	16.36	17.00
5580MHz	Pass	7.66	5.50	5.45	8.40	9.34	16.06	17.00
5700MHz	Pass	7.66	5.17	5.16	8.03	9.34	15.69	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.66	6.16	6.01	9.04	9.34	16.70	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.66	4.10	3.51	6.80	28.34	14.46	36.00
5745MHz	Pass	7.66	4.40	4.36	7.26	28.34	14.92	36.00
5785MHz	Pass	7.66	5.48	5.09	8.11	28.34	15.77	36.00
5825MHz	Pass	7.66	4.02	3.85	6.72	28.34	14.38	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.66	6.28	5.47	8.80	15.34	16.46	23.00
5200MHz	Pass	7.66	6.16	5.41	8.45	15.34	16.11	23.00
5240MHz	Pass	7.66	4.92	4.99	7.83	15.34	15.49	23.00
5260MHz	Pass	7.66	4.96	4.75	7.75	9.34	15.41	17.00
5300MHz	Pass	7.66	5.23	4.59	7.88	9.34	15.54	17.00
5320MHz	Pass	7.66	4.57	5.16	7.82	9.34	15.48	17.00
5500MHz	Pass	7.66	4.99	4.30	7.47	9.34	15.13	17.00
5580MHz	Pass	7.66	4.34	4.47	7.32	9.34	14.98	17.00
5700MHz	Pass	7.66	4.15	3.81	6.94	9.34	14.60	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.66	5.13	4.89	7.92	9.34	15.58	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.66	2.82	3.13	5.94	28.34	13.60	36.00
5745MHz	Pass	7.66	3.43	3.36	6.31	28.34	13.97	36.00
5785MHz	Pass	7.66	4.41	3.87	7.05	28.34	14.71	36.00
5825MHz	Pass	7.66	2.97	2.84	5.67	28.34	13.33	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.66	1.10	0.33	3.34	15.34	11.00	23.00
5230MHz	Pass	7.66	2.45	2.25	5.08	15.34	12.74	23.00
5270MHz	Pass	7.66	2.80	2.41	5.51	9.34	13.17	17.00
5310MHz	Pass	7.66	1.95	1.97	4.92	9.34	12.58	17.00
5510MHz	Pass	7.66	1.60	1.22	4.11	9.34	11.77	17.00
5550MHz	Pass	7.66	2.47	2.08	5.16	9.34	12.82	17.00
5670MHz	Pass	7.66	2.17	2.21	5.17	9.34	12.83	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.66	3.59	3.17	6.38	9.34	14.04	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.66	0.82	-0.27	3.25	28.34	10.91	36.00
5755MHz	Pass	7.66	1.33	1.42	4.33	28.34	11.99	36.00
5795MHz	Pass	7.66	2.07	1.42	4.53	28.34	12.19	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.66	-2.40	-2.87	0.10	15.34	7.76	23.00
5290MHz	Pass	7.66	-0.96	-1.52	1.66	9.34	9.32	17.00
5530MHz	Pass	7.66	-1.53	-1.77	1.21	9.34	8.87	17.00
5610MHz	Pass	7.66	-0.08	-0.23	2.82	9.34	10.48	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.66	0.96	0.53	3.74	9.34	11.40	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.66	-2.50	-3.67	-0.04	28.34	7.62	36.00
5775MHz	Pass	7.66	-1.20	-1.57	1.41	28.34	9.07	36.00

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

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

PSD

5180MHz

22/04/2024

CF (Hz)
5.18G

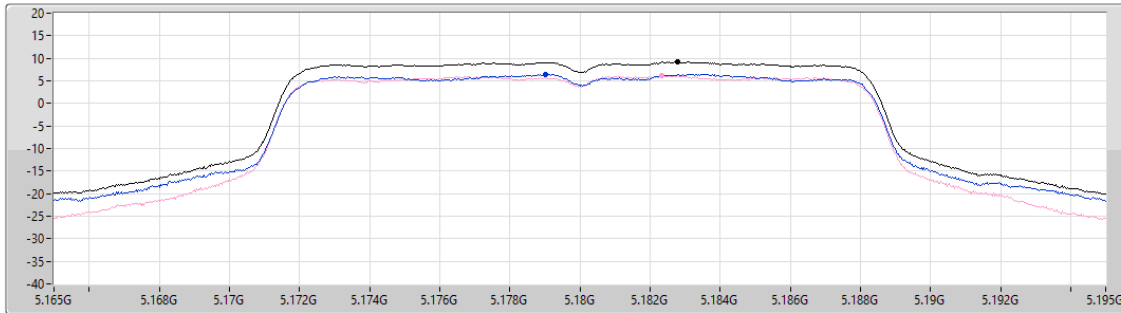
Span (Hz)
30M

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/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.22	9.22	6.52	6.13

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

PSD

5180MHz

22/04/2024

CF (Hz)
5.18G

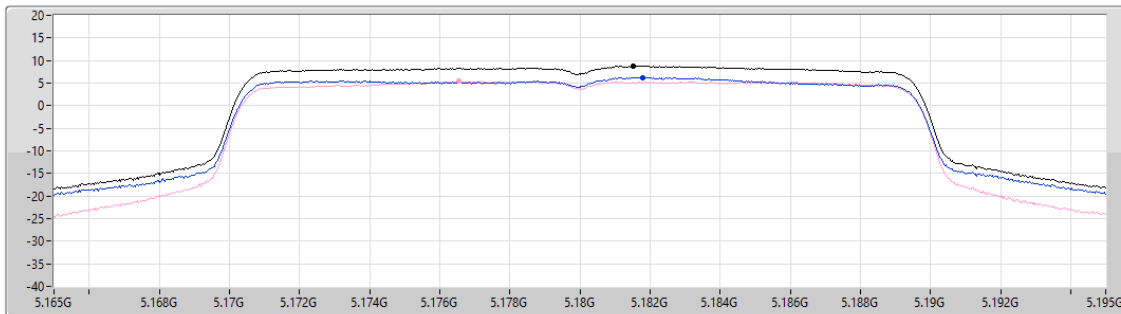
Span (Hz)
30M

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/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.80	8.80	6.28	5.47

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

PSD

5230MHz

22/04/2024

CF (Hz)
5.23G

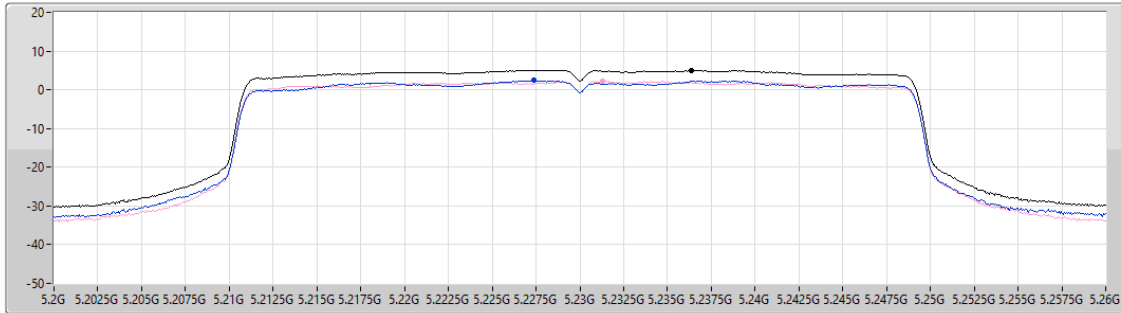
Span (Hz)
60M

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)
5.08	5.08	2.45	2.25

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

PSD

5210MHz

22/04/2024

CF (Hz)
5.21G

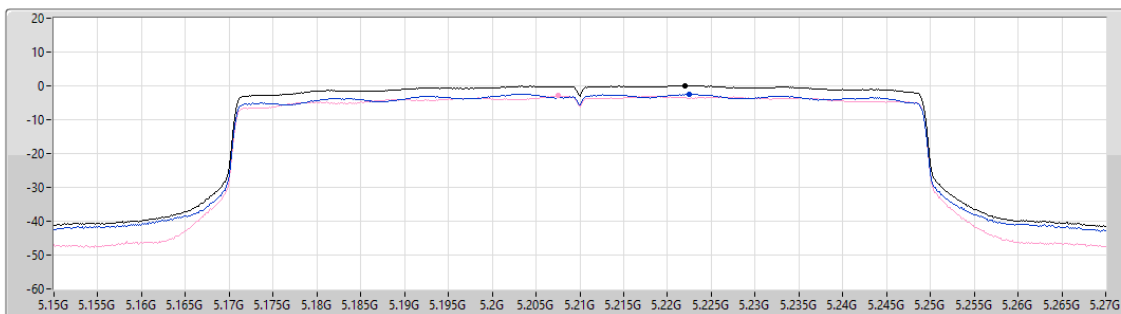
Span (Hz)
120M

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)
0.10	0.10	-2.40	-2.87

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

PSD

5260MHz

22/04/2024

CF (Hz)
5.26G

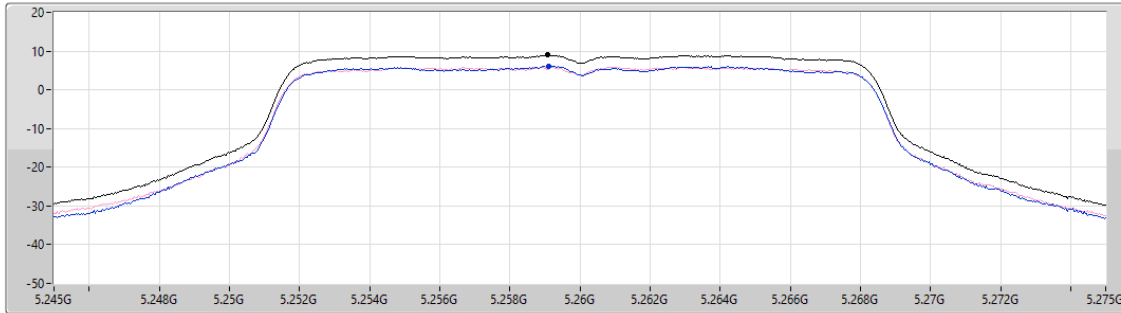
Span (Hz)
30M

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)
9.01	9.01	6.12	5.89

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

PSD

5300MHz

22/04/2024

CF (Hz)
5.3G

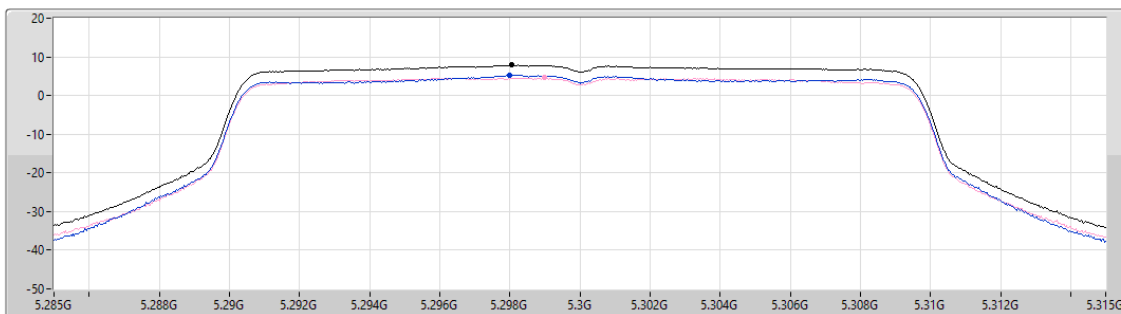
Span (Hz)
30M

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)
7.88	7.88	5.23	4.59

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

PSD

5270MHz

22/04/2024

CF (Hz)
5.27G

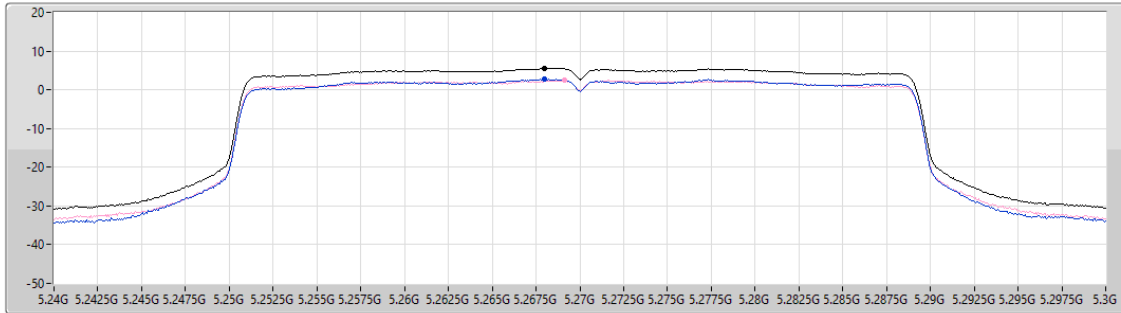
Span (Hz)
60M

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)
5.51	5.51	2.80	2.41

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

PSD

5290MHz

22/04/2024

CF (Hz)
5.29G

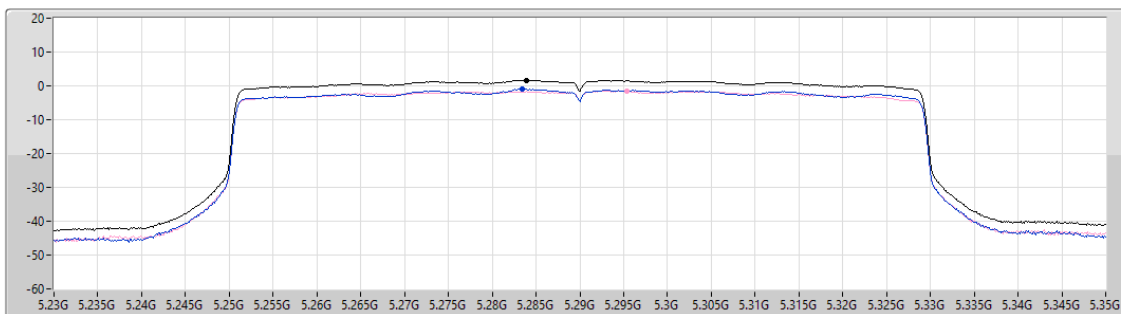
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

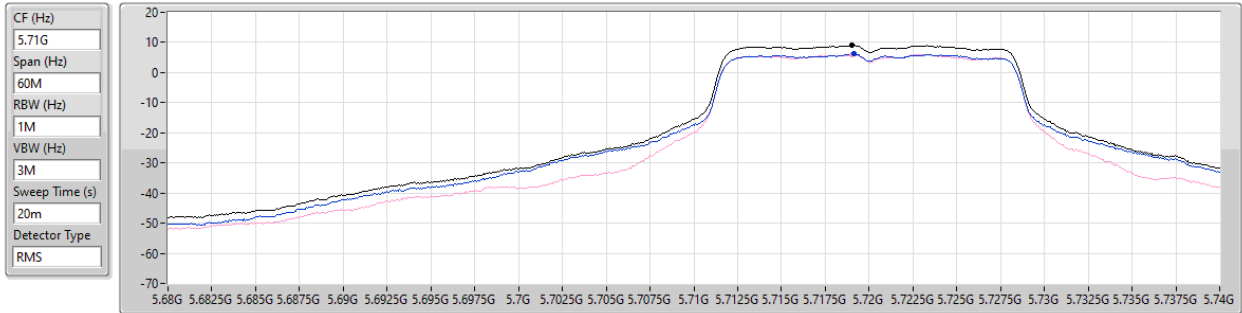
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.66	1.66	-0.96	-1.52

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

PSD

5720MHz Straddle 5.47-5.725GHz

22/04/2024



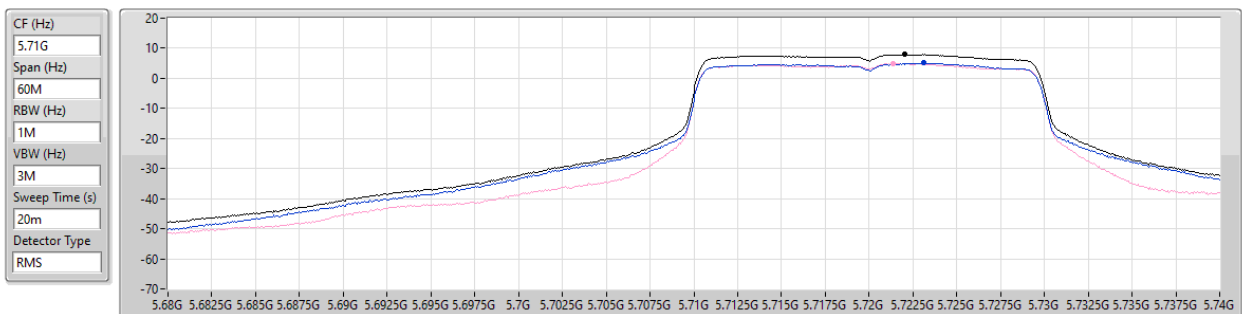
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.04	9.04	6.16	6.01

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

PSD

5720MHz Straddle 5.47-5.725GHz

22/04/2024



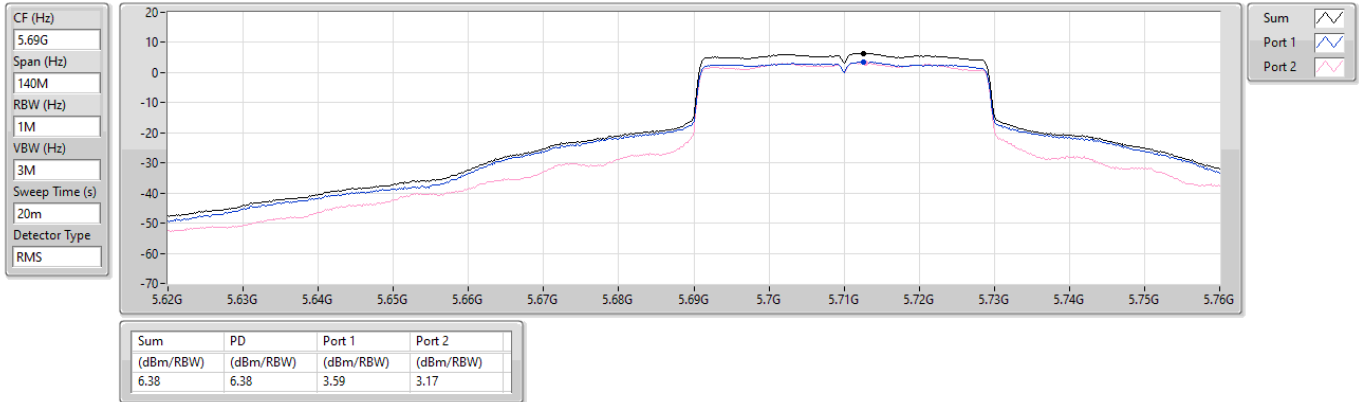
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.92	7.92	5.13	4.89

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

PSD

5710MHz Straddle 5.47-5.725GHz

22/04/2024

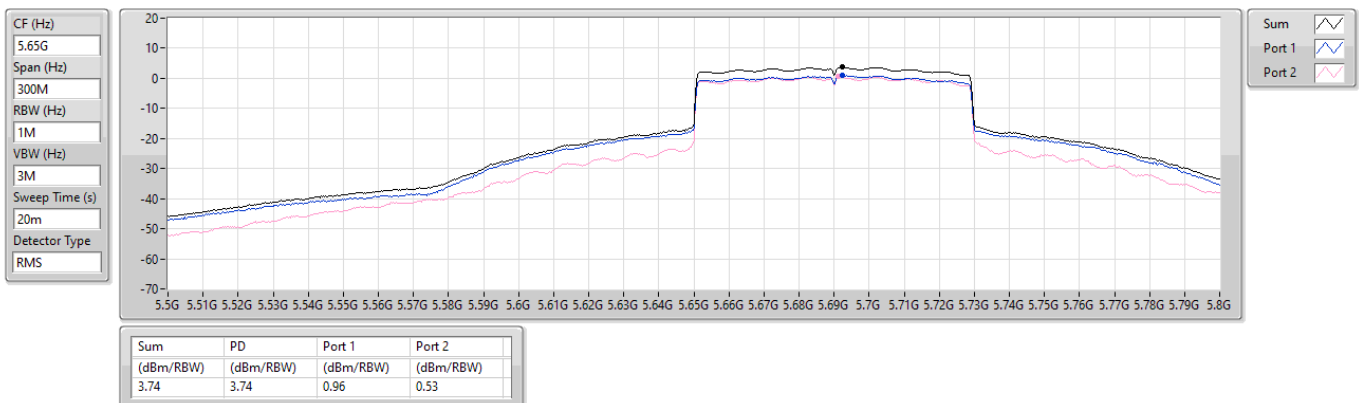


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

22/04/2024

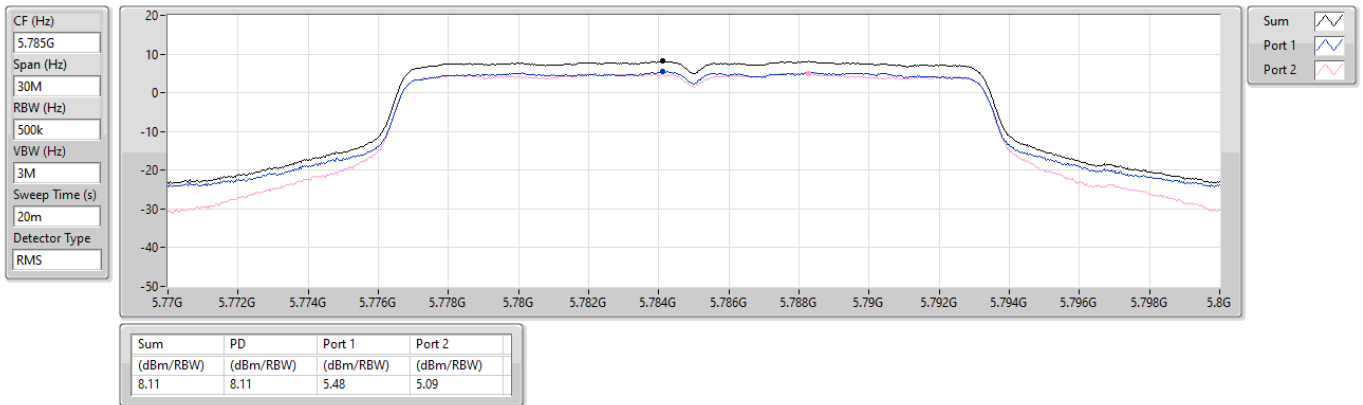


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

22/04/2024

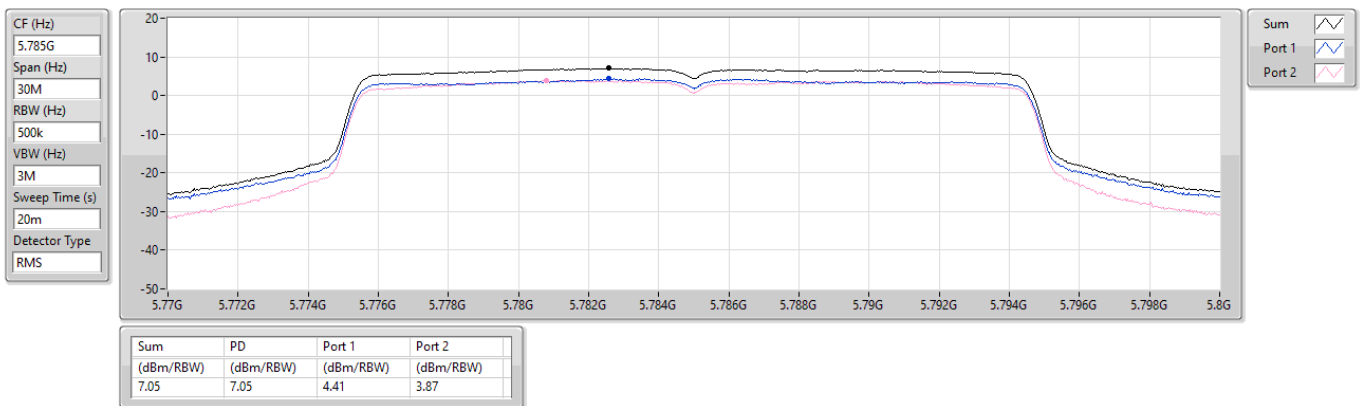


5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

22/04/2024



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

PSD

5795MHz

22/04/2024

CF (Hz)
5.795G

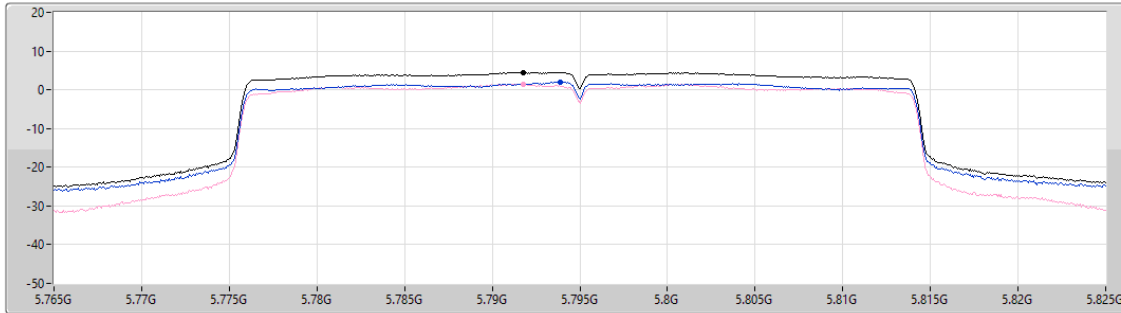
Span (Hz)
60M

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/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.53	4.53	2.07	1.42

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

PSD

5775MHz

21/06/2024

CF (Hz)
5.775G

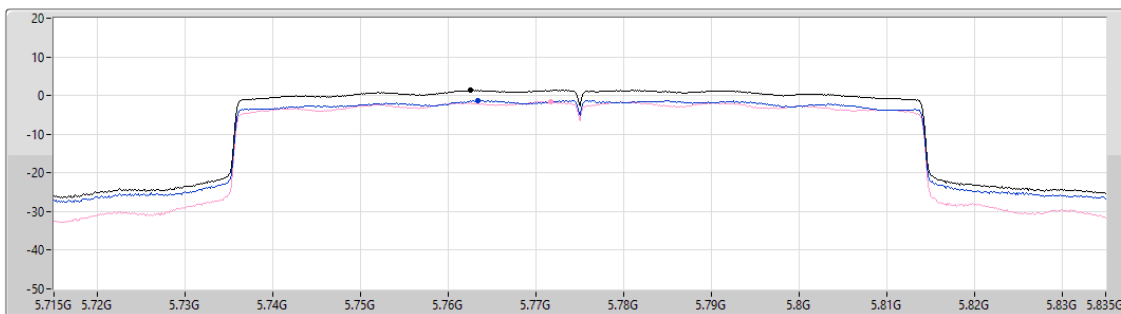
Span (Hz)
120M

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/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.41	1.41	-1.20	-1.57



Summary

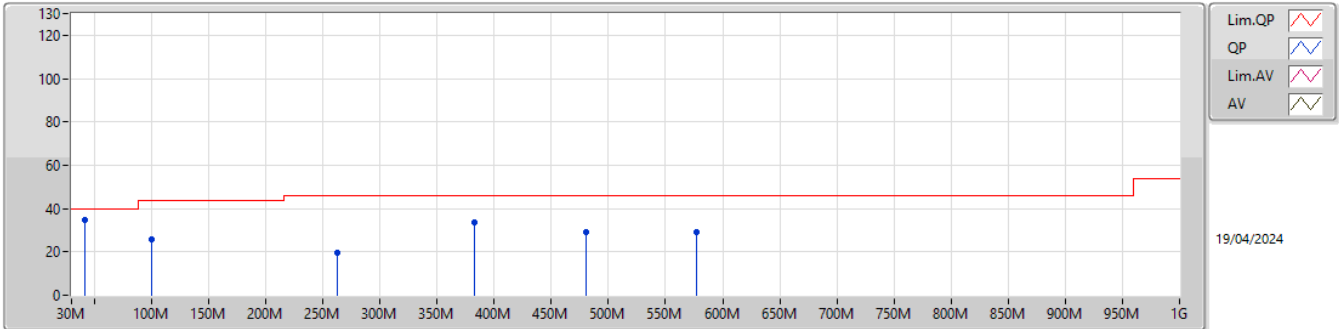
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	30M	35.92	40.00	-4.08	3	Horizontal	0	1.00

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	41.64M	34.93	40.00	-5.07	3	Vertical	360	1.00
5775MHz	Pass	PK	99.84M	25.67	43.50	-17.83	3	Vertical	360	1.00
5775MHz	Pass	PK	262.8M	19.64	46.00	-26.36	3	Vertical	360	1.00
5775MHz	Pass	PK	383.08M	33.51	46.00	-12.49	3	Vertical	360	1.00
5775MHz	Pass	PK	480.08M	28.89	46.00	-17.11	3	Vertical	360	1.00
5775MHz	Pass	PK	577.08M	29.03	46.00	-16.97	3	Vertical	360	1.00
5775MHz	Pass	PK	30M	35.92	40.00	-4.08	3	Horizontal	0	1.00
5775MHz	Pass	PK	239.52M	27.68	46.00	-18.32	3	Horizontal	0	1.00
5775MHz	Pass	PK	383.08M	34.95	46.00	-11.05	3	Horizontal	0	1.00
5775MHz	Pass	PK	480.08M	30.43	46.00	-15.57	3	Horizontal	0	1.00
5775MHz	Pass	PK	600.36M	30.02	46.00	-15.98	3	Horizontal	0	1.00
5775MHz	Pass	PK	641.1M	30.42	46.00	-15.58	3	Horizontal	0	1.00

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

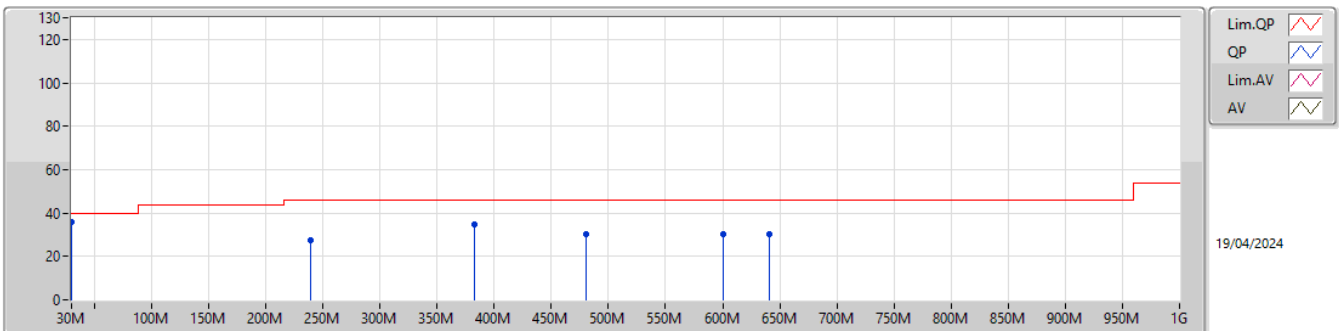
5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)				
PK	41.64M	34.93	40.00	-5.07	-24.36	3	Vertical	360	1.00	59.29	19.37	0.49	44.22				
PK	99.84M	25.67	43.50	-17.83	-27.46	3	Vertical	360	1.00	53.13	16.12	0.75	44.33				
PK	262.8M	19.64	46.00	-26.36	-22.38	3	Vertical	360	1.00	42.02	20.50	1.19	44.07				
PK	383.08M	33.51	46.00	-12.49	-20.93	3	Vertical	360	1.00	54.44	21.52	1.44	43.89				
PK	480.08M	28.89	46.00	-17.11	-18.25	3	Vertical	360	1.00	47.14	23.90	1.62	43.77				
PK	577.08M	29.03	46.00	-16.97	-15.81	3	Vertical	360	1.00	44.84	26.06	1.76	43.63				

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

5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)				
PK	30M	35.92	40.00	-4.08	-18.58	3	Horizontal	0	1.00	54.50	25.10	0.42	44.10				
PK	239.52M	27.68	46.00	-18.32	-25.52	3	Horizontal	0	1.00	53.20	17.44	1.14	44.10				
PK	383.08M	34.95	46.00	-11.05	-20.93	3	Horizontal	0	1.00	55.88	21.52	1.44	43.89				
PK	480.08M	30.43	46.00	-15.57	-18.25	3	Horizontal	0	1.00	48.68	23.90	1.62	43.77				
PK	600.36M	30.02	46.00	-15.98	-15.61	3	Horizontal	0	1.00	45.63	26.19	1.80	43.60				
PK	641.1M	30.42	46.00	-15.58	-14.81	3	Horizontal	0	1.00	45.23	26.88	1.85	43.54				

**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	5.1474G	53.69	54.00	-0.31	3	Vertical	182	1.78
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.15G	53.45	54.00	-0.55	3	Vertical	177	1.81
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.1492G	52.28	54.00	-1.72	3	Vertical	180	1.77
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.149G	52.02	54.00	-1.98	3	Vertical	181	1.77
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.404G	48.94	54.00	-5.06	3	Vertical	148	1.06
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.35G	47.50	54.00	-6.50	3	Vertical	146	1.06
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.3532G	53.36	54.00	-0.64	3	Vertical	145	1.00
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	5.357G	73.04	74.00	-0.96	3	Vertical	145	1.00
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.7268G	66.53	68.20	-1.67	3	Vertical	153	1.50
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	PK	5.7252G	67.60	68.20	-0.60	3	Vertical	191	2.53
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	5.47G	67.17	68.20	-1.03	3	Vertical	142	1.50
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	5.47G	67.64	68.20	-0.56	3	Vertical	145	1.50
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.969G	58.82	68.20	-9.38	3	Vertical	189	2.62
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	PK	6.06927G	58.54	68.20	-9.66	3	Vertical	189	2.62
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	5.951G	59.04	68.20	-9.16	3	Horizontal	111	2.00
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	5.6502G	67.37	68.35	-0.98	3	Vertical	168	2.58

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	5.1474G	53.69	54.00	-0.31	3	Vertical	182	1.78
5180MHz	Pass	AV	5.1824G	103.09	Inf	-Inf	3	Vertical	182	1.78
5180MHz	Pass	PK	5.1474G	68.56	74.00	-5.44	3	Vertical	182	1.78
5180MHz	Pass	PK	5.1826G	113.52	Inf	-Inf	3	Vertical	182	1.78
5180MHz	Pass	AV	5.1478G	50.82	54.00	-3.18	3	Horizontal	67	1.93
5180MHz	Pass	AV	5.183G	97.94	Inf	-Inf	3	Horizontal	67	1.93
5180MHz	Pass	PK	5.1476G	65.11	74.00	-8.89	3	Horizontal	67	1.93
5180MHz	Pass	PK	5.182G	108.48	Inf	-Inf	3	Horizontal	67	1.93
5180MHz	Pass	PK	10.35436G	51.27	68.20	-16.93	3	Vertical	283	1.50
5180MHz	Pass	PK	10.35808G	51.60	68.20	-16.60	3	Horizontal	217	1.56
5200MHz	Pass	AV	5.1472G	49.02	54.00	-4.98	3	Vertical	184	1.75
5200MHz	Pass	AV	5.2032G	102.66	Inf	-Inf	3	Vertical	184	1.75
5200MHz	Pass	PK	5.1396G	62.58	74.00	-11.42	3	Vertical	184	1.75
5200MHz	Pass	PK	5.2032G	112.98	Inf	-Inf	3	Vertical	184	1.75
5200MHz	Pass	AV	5.1484G	49.00	54.00	-5.00	3	Horizontal	59	1.50
5200MHz	Pass	AV	5.1988G	94.92	Inf	-Inf	3	Horizontal	59	1.50
5200MHz	Pass	PK	5.108G	61.92	74.00	-12.08	3	Horizontal	59	1.50
5200MHz	Pass	PK	5.202G	105.61	Inf	-Inf	3	Horizontal	59	1.50
5200MHz	Pass	PK	10.4075G	51.36	68.20	-16.84	3	Vertical	92	1.50
5200MHz	Pass	PK	10.40066G	51.85	68.20	-16.35	3	Horizontal	242	1.83
5240MHz	Pass	AV	5.1464G	48.92	54.00	-5.08	3	Vertical	182	1.88
5240MHz	Pass	AV	5.243G	101.86	Inf	-Inf	3	Vertical	182	1.88
5240MHz	Pass	AV	5.3774G	49.68	54.00	-4.32	3	Vertical	182	1.88
5240MHz	Pass	PK	5.132G	61.95	74.00	-12.05	3	Vertical	182	1.88
5240MHz	Pass	PK	5.2376G	112.15	Inf	-Inf	3	Vertical	182	1.88
5240MHz	Pass	PK	5.3654G	62.40	74.00	-11.60	3	Vertical	182	1.88
5240MHz	Pass	AV	5.15G	48.83	54.00	-5.17	3	Horizontal	62	1.96
5240MHz	Pass	AV	5.243G	96.35	Inf	-Inf	3	Horizontal	62	1.96
5240MHz	Pass	AV	5.3636G	49.68	54.00	-4.32	3	Horizontal	62	1.96
5240MHz	Pass	PK	5.0984G	61.80	74.00	-12.20	3	Horizontal	62	1.96
5240MHz	Pass	PK	5.2382G	106.76	Inf	-Inf	3	Horizontal	62	1.96
5240MHz	Pass	PK	5.378G	63.53	74.00	-10.47	3	Horizontal	62	1.96
5240MHz	Pass	PK	10.47618G	52.36	68.20	-15.84	3	Vertical	159	1.58
5240MHz	Pass	PK	10.47914G	52.41	68.20	-15.79	3	Horizontal	43	1.57
5260MHz	Pass	AV	5.1424G	47.92	54.00	-6.08	3	Vertical	148	1.06
5260MHz	Pass	AV	5.2588G	101.18	Inf	-Inf	3	Vertical	148	1.06
5260MHz	Pass	AV	5.404G	48.94	54.00	-5.06	3	Vertical	148	1.06
5260MHz	Pass	PK	5.1328G	61.16	74.00	-12.84	3	Vertical	148	1.06
5260MHz	Pass	PK	5.2636G	111.26	Inf	-Inf	3	Vertical	148	1.06
5260MHz	Pass	PK	5.4004G	62.26	74.00	-11.74	3	Vertical	148	1.06
5260MHz	Pass	AV	5.1472G	47.94	54.00	-6.06	3	Horizontal	64	2.08
5260MHz	Pass	AV	5.2636G	96.32	Inf	-Inf	3	Horizontal	64	2.08
5260MHz	Pass	AV	5.3572G	48.88	54.00	-5.12	3	Horizontal	64	2.08
5260MHz	Pass	PK	5.1388G	60.81	74.00	-13.19	3	Horizontal	64	2.08
5260MHz	Pass	PK	5.2618G	106.72	Inf	-Inf	3	Horizontal	64	2.08
5260MHz	Pass	PK	5.3746G	62.07	74.00	-11.93	3	Horizontal	64	2.08
5260MHz	Pass	PK	10.52082G	52.70	68.20	-15.50	3	Vertical	160	1.49
5260MHz	Pass	PK	10.51628G	51.87	68.20	-16.33	3	Horizontal	211	1.77
5300MHz	Pass	AV	5.2968G	101.34	Inf	-Inf	3	Vertical	149	1.00
5300MHz	Pass	AV	5.3996G	43.37	54.00	-10.63	3	Vertical	149	1.00
5300MHz	Pass	PK	5.302G	112.01	Inf	-Inf	3	Vertical	149	1.00
5300MHz	Pass	PK	5.3952G	56.38	74.00	-17.62	3	Vertical	149	1.00
5300MHz	Pass	AV	5.3012G	95.48	Inf	-Inf	3	Horizontal	63	1.98
5300MHz	Pass	AV	5.3656G	42.79	54.00	-11.21	3	Horizontal	63	1.98
5300MHz	Pass	PK	5.2964G	106.16	Inf	-Inf	3	Horizontal	63	1.98
5300MHz	Pass	PK	5.354G	56.65	74.00	-17.35	3	Horizontal	63	1.98
5300MHz	Pass	PK	10.59986G	52.33	68.20	-15.87	3	Vertical	184	2.26
5300MHz	Pass	PK	10.59966G	52.22	68.20	-15.98	3	Horizontal	229	2.58
5320MHz	Pass	AV	5.3226G	101.62	Inf	-Inf	3	Vertical	153	1.08
5320MHz	Pass	AV	5.35G	46.82	54.00	-7.18	3	Vertical	153	1.08

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5320MHz	Pass	PK	5.322G	112.03	Inf	-Inf	3	Vertical	153	1.08
5320MHz	Pass	PK	5.35G	61.77	74.00	-12.23	3	Vertical	153	1.08
5320MHz	Pass	AV	5.321G	96.15	Inf	-Inf	3	Horizontal	59	2.01
5320MHz	Pass	AV	5.3506G	45.21	54.00	-8.79	3	Horizontal	59	2.01
5320MHz	Pass	PK	5.322G	106.92	Inf	-Inf	3	Horizontal	59	2.01
5320MHz	Pass	PK	5.35G	58.63	74.00	-15.37	3	Horizontal	59	2.01
5320MHz	Pass	AV	10.64278G	39.43	54.00	-14.57	3	Vertical	260	2.75
5320MHz	Pass	PK	10.6389G	52.86	74.00	-21.14	3	Vertical	260	2.75
5320MHz	Pass	AV	10.64012G	39.80	54.00	-14.20	3	Horizontal	230	1.50
5320MHz	Pass	PK	10.63856G	52.20	74.00	-21.80	3	Horizontal	230	1.50
5500MHz	Pass	AV	5.4564G	43.61	54.00	-10.39	3	Vertical	145	1.50
5500MHz	Pass	AV	5.501G	99.81	Inf	-Inf	3	Vertical	145	1.50
5500MHz	Pass	PK	5.4532G	57.51	74.00	-16.49	3	Vertical	145	1.50
5500MHz	Pass	PK	5.4698G	58.25	68.20	-9.95	3	Vertical	145	1.50
5500MHz	Pass	PK	5.4966G	110.65	Inf	-Inf	3	Vertical	145	1.50
5500MHz	Pass	AV	5.4592G	42.75	54.00	-11.25	3	Horizontal	264	1.50
5500MHz	Pass	AV	5.5034G	93.76	Inf	-Inf	3	Horizontal	264	1.50
5500MHz	Pass	PK	5.4536G	55.71	74.00	-18.29	3	Horizontal	264	1.50
5500MHz	Pass	PK	5.4686G	56.19	68.20	-12.01	3	Horizontal	264	1.50
5500MHz	Pass	PK	5.503G	103.71	Inf	-Inf	3	Horizontal	264	1.50
5500MHz	Pass	AV	10.99558G	39.67	54.00	-14.33	3	Vertical	160	1.50
5500MHz	Pass	PK	10.99658G	52.20	74.00	-21.80	3	Vertical	160	1.50
5500MHz	Pass	AV	10.99568G	39.68	54.00	-14.32	3	Horizontal	275	1.50
5500MHz	Pass	PK	10.9975G	52.26	74.00	-21.74	3	Horizontal	275	1.50
5580MHz	Pass	AV	5.4486G	42.77	54.00	-11.23	3	Vertical	155	2.63
5580MHz	Pass	AV	5.5842G	101.40	Inf	-Inf	3	Vertical	155	2.63
5580MHz	Pass	PK	5.4318G	56.04	74.00	-17.96	3	Vertical	155	2.63
5580MHz	Pass	PK	5.4636G	55.22	68.20	-12.98	3	Vertical	155	2.63
5580MHz	Pass	PK	5.5836G	111.64	Inf	-Inf	3	Vertical	155	2.63
5580MHz	Pass	PK	5.7264G	56.15	68.20	-12.05	3	Vertical	155	2.63
5580MHz	Pass	AV	5.433G	42.53	54.00	-11.47	3	Horizontal	267	1.68
5580MHz	Pass	AV	5.5788G	94.27	Inf	-Inf	3	Horizontal	267	1.68
5580MHz	Pass	PK	5.4546G	55.38	74.00	-18.62	3	Horizontal	267	1.68
5580MHz	Pass	PK	5.4672G	54.82	68.20	-13.38	3	Horizontal	267	1.68
5580MHz	Pass	PK	5.5836G	104.11	Inf	-Inf	3	Horizontal	267	1.68
5580MHz	Pass	PK	5.7258G	56.05	68.20	-12.15	3	Horizontal	267	1.68
5580MHz	Pass	AV	11.16406G	39.03	54.00	-14.97	3	Vertical	130	1.50
5580MHz	Pass	PK	11.16248G	52.20	74.00	-21.80	3	Vertical	130	1.50
5580MHz	Pass	AV	11.16146G	39.18	54.00	-14.82	3	Horizontal	30	1.85
5580MHz	Pass	PK	11.16396G	51.91	74.00	-22.09	3	Horizontal	30	1.85
5700MHz	Pass	AV	5.6968G	102.25	Inf	-Inf	3	Vertical	193	2.53
5700MHz	Pass	PK	5.7024G	112.60	Inf	-Inf	3	Vertical	193	2.53
5700MHz	Pass	PK	5.7268G	66.53	68.20	-1.67	3	Vertical	153	1.50
5700MHz	Pass	AV	5.7008G	96.99	Inf	-Inf	3	Horizontal	244	2.52
5700MHz	Pass	PK	5.6968G	107.22	Inf	-Inf	3	Horizontal	244	2.52
5700MHz	Pass	PK	5.726G	61.74	68.20	-6.46	3	Horizontal	244	2.52
5700MHz	Pass	AV	11.40004G	39.63	54.00	-14.37	3	Vertical	209	1.50
5700MHz	Pass	PK	11.3991G	52.40	74.00	-21.60	3	Vertical	209	1.50
5700MHz	Pass	AV	11.39586G	39.53	54.00	-14.47	3	Horizontal	198	1.27
5700MHz	Pass	PK	11.3976G	52.60	74.00	-21.40	3	Horizontal	198	1.27
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.438G	42.71	54.00	-11.29	3	Vertical	189	2.51
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7212G	103.15	Inf	-Inf	3	Vertical	189	2.51
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4248G	55.94	74.00	-18.06	3	Vertical	189	2.51
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4692G	55.42	68.20	-12.78	3	Vertical	189	2.51
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7164G	113.84	Inf	-Inf	3	Vertical	189	2.51
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.912G	58.60	68.20	-9.60	3	Vertical	189	2.51
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4404G	42.54	54.00	-11.46	3	Horizontal	243	2.37
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7212G	97.71	Inf	-Inf	3	Horizontal	243	2.37
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4452G	55.57	74.00	-18.43	3	Horizontal	243	2.37
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.462G	54.66	68.20	-13.54	3	Horizontal	243	2.37
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7164G	108.21	Inf	-Inf	3	Horizontal	243	2.37
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.912G	57.37	68.20	-10.83	3	Horizontal	243	2.37

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	11.4441G	39.27	54.00	-14.73	3	Vertical	344	1.33
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43538G	52.28	74.00	-21.72	3	Vertical	344	1.33
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43656G	39.29	54.00	-14.71	3	Horizontal	54	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43622G	51.96	74.00	-22.04	3	Horizontal	54	1.50
5745MHz	Pass	AV	5.445G	42.75	54.00	-11.25	3	Vertical	190	2.50
5745MHz	Pass	AV	5.7414G	102.78	Inf	-Inf	3	Vertical	190	2.50
5745MHz	Pass	PK	5.607G	55.99	68.20	-12.21	3	Vertical	190	2.50
5745MHz	Pass	PK	5.7414G	113.38	Inf	-Inf	3	Vertical	190	2.50
5745MHz	Pass	PK	5.9514G	58.65	68.20	-9.55	3	Vertical	190	2.50
5745MHz	Pass	AV	5.4558G	42.58	54.00	-11.42	3	Horizontal	245	2.58
5745MHz	Pass	AV	5.7414G	97.40	Inf	-Inf	3	Horizontal	245	2.58
5745MHz	Pass	PK	5.5998G	56.51	68.20	-11.69	3	Horizontal	245	2.58
5745MHz	Pass	PK	5.7414G	108.28	Inf	-Inf	3	Horizontal	245	2.58
5745MHz	Pass	PK	6.0258G	57.78	68.20	-10.42	3	Horizontal	245	2.58
5745MHz	Pass	AV	11.49728G	39.86	54.00	-14.14	3	Vertical	115	1.50
5745MHz	Pass	PK	11.48664G	51.65	74.00	-22.35	3	Vertical	115	1.50
5745MHz	Pass	AV	11.4992G	39.82	54.00	-14.18	3	Horizontal	253	2.51
5745MHz	Pass	PK	11.49816G	51.80	74.00	-22.20	3	Horizontal	253	2.51
5785MHz	Pass	AV	5.78855G	104.42	Inf	-Inf	3	Vertical	187	2.34
5785MHz	Pass	PK	5.59374G	56.93	68.20	-11.27	3	Vertical	187	2.34
5785MHz	Pass	PK	5.78371G	114.39	Inf	-Inf	3	Vertical	187	2.34
5785MHz	Pass	PK	6.08258G	57.94	68.20	-10.26	3	Vertical	187	2.34
5785MHz	Pass	AV	5.78371G	98.63	Inf	-Inf	3	Horizontal	102	2.46
5785MHz	Pass	PK	5.49331G	56.62	68.20	-11.58	3	Horizontal	102	2.46
5785MHz	Pass	PK	5.78371G	108.67	Inf	-Inf	3	Horizontal	102	2.46
5785MHz	Pass	PK	5.9761G	58.70	68.20	-9.50	3	Horizontal	102	2.46
5785MHz	Pass	AV	11.57804G	39.10	54.00	-14.90	3	Vertical	3	1.50
5785MHz	Pass	PK	11.5796G	51.04	74.00	-22.96	3	Vertical	3	1.50
5785MHz	Pass	AV	11.57588G	39.05	54.00	-14.95	3	Horizontal	158	1.50
5785MHz	Pass	PK	11.57836G	52.01	74.00	-21.99	3	Horizontal	158	1.50
5825MHz	Pass	AV	5.8214G	102.40	Inf	-Inf	3	Vertical	189	2.62
5825MHz	Pass	PK	5.579G	56.51	68.20	-11.69	3	Vertical	189	2.62
5825MHz	Pass	PK	5.8214G	113.05	Inf	-Inf	3	Vertical	189	2.62
5825MHz	Pass	PK	5.969G	58.82	68.20	-9.38	3	Vertical	189	2.62
5825MHz	Pass	AV	5.8238G	96.91	Inf	-Inf	3	Horizontal	111	2.13
5825MHz	Pass	PK	5.627G	55.82	68.20	-12.38	3	Horizontal	111	2.13
5825MHz	Pass	PK	5.8238G	107.02	Inf	-Inf	3	Horizontal	111	2.13
5825MHz	Pass	PK	6.0338G	57.90	68.20	-10.30	3	Horizontal	111	2.13
5825MHz	Pass	AV	11.64072G	39.44	54.00	-14.56	3	Vertical	70	3.00
5825MHz	Pass	PK	11.64124G	51.70	74.00	-22.30	3	Vertical	70	3.00
5825MHz	Pass	AV	11.64088G	39.45	54.00	-14.55	3	Horizontal	217	1.50
5825MHz	Pass	PK	11.6402G	52.10	74.00	-21.90	3	Horizontal	217	1.50
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	53.45	54.00	-0.55	3	Vertical	177	1.81
5180MHz	Pass	AV	5.1828G	101.88	Inf	-Inf	3	Vertical	177	1.81
5180MHz	Pass	PK	5.1496G	67.72	74.00	-6.28	3	Vertical	177	1.81
5180MHz	Pass	PK	5.1818G	115.34	Inf	-Inf	3	Vertical	177	1.81
5180MHz	Pass	AV	5.149G	49.86	54.00	-4.14	3	Horizontal	60	1.50
5180MHz	Pass	AV	5.1772G	94.40	Inf	-Inf	3	Horizontal	60	1.50
5180MHz	Pass	PK	5.1496G	64.48	74.00	-9.52	3	Horizontal	60	1.50
5180MHz	Pass	PK	5.1772G	107.78	Inf	-Inf	3	Horizontal	60	1.50
5180MHz	Pass	PK	10.36352G	51.05	68.20	-17.15	3	Vertical	281	1.53
5180MHz	Pass	PK	10.36016G	52.41	68.20	-15.79	3	Horizontal	218	1.48
5200MHz	Pass	AV	5.15G	43.91	54.00	-10.09	3	Vertical	183	1.77
5200MHz	Pass	AV	5.2008G	100.98	Inf	-Inf	3	Vertical	183	1.77
5200MHz	Pass	PK	5.1496G	57.55	74.00	-16.45	3	Vertical	183	1.77
5200MHz	Pass	PK	5.2008G	114.36	Inf	-Inf	3	Vertical	183	1.77
5200MHz	Pass	AV	5.1488G	42.64	54.00	-11.36	3	Horizontal	53	2.90
5200MHz	Pass	AV	5.1972G	95.57	Inf	-Inf	3	Horizontal	53	2.90
5200MHz	Pass	PK	5.148G	55.59	74.00	-18.41	3	Horizontal	53	2.90
5200MHz	Pass	PK	5.1968G	109.35	Inf	-Inf	3	Horizontal	53	2.90
5200MHz	Pass	PK	10.40704G	52.53	68.20	-15.67	3	Vertical	15	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5200MHz	Pass	PK	10.40964G	51.55	68.20	-16.65	3	Horizontal	244	1.84
5240MHz	Pass	AV	5.1422G	42.42	54.00	-11.58	3	Vertical	184	1.87
5240MHz	Pass	AV	5.2364G	100.82	Inf	-Inf	3	Vertical	184	1.87
5240MHz	Pass	AV	5.3762G	42.89	54.00	-11.11	3	Vertical	184	1.87
5240MHz	Pass	PK	5.1242G	56.23	74.00	-17.77	3	Vertical	184	1.87
5240MHz	Pass	PK	5.2358G	113.60	Inf	-Inf	3	Vertical	184	1.87
5240MHz	Pass	PK	5.3714G	56.61	74.00	-17.39	3	Vertical	184	1.87
5240MHz	Pass	AV	5.1428G	42.25	54.00	-11.75	3	Horizontal	61	1.94
5240MHz	Pass	AV	5.2358G	94.58	Inf	-Inf	3	Horizontal	61	1.94
5240MHz	Pass	AV	5.366G	42.67	54.00	-11.33	3	Horizontal	61	1.94
5240MHz	Pass	PK	5.111G	55.81	74.00	-18.19	3	Horizontal	61	1.94
5240MHz	Pass	PK	5.237G	108.38	Inf	-Inf	3	Horizontal	61	1.94
5240MHz	Pass	PK	5.3624G	57.19	74.00	-16.81	3	Horizontal	61	1.94
5240MHz	Pass	PK	10.48752G	51.58	68.20	-16.62	3	Vertical	156	1.50
5240MHz	Pass	PK	10.4714G	51.41	68.20	-16.79	3	Horizontal	130	2.99
5260MHz	Pass	AV	5.1478G	42.30	54.00	-11.70	3	Vertical	146	1.08
5260MHz	Pass	AV	5.2576G	100.02	Inf	-Inf	3	Vertical	146	1.08
5260MHz	Pass	AV	5.3542G	43.11	54.00	-10.89	3	Vertical	146	1.08
5260MHz	Pass	PK	5.1136G	55.57	74.00	-18.43	3	Vertical	146	1.08
5260MHz	Pass	PK	5.2576G	112.98	Inf	-Inf	3	Vertical	146	1.08
5260MHz	Pass	PK	5.371G	56.95	74.00	-17.05	3	Vertical	146	1.08
5260MHz	Pass	AV	5.1448G	42.21	54.00	-11.79	3	Horizontal	63	2.06
5260MHz	Pass	AV	5.2558G	94.77	Inf	-Inf	3	Horizontal	63	2.06
5260MHz	Pass	AV	5.3818G	42.74	54.00	-11.26	3	Horizontal	63	2.06
5260MHz	Pass	PK	5.1376G	55.93	74.00	-18.07	3	Horizontal	63	2.06
5260MHz	Pass	PK	5.2564G	108.22	Inf	-Inf	3	Horizontal	63	2.06
5260MHz	Pass	PK	5.3998G	56.74	74.00	-17.26	3	Horizontal	63	2.06
5260MHz	Pass	PK	10.5228G	52.53	68.20	-15.67	3	Vertical	314	1.56
5260MHz	Pass	PK	10.51996G	52.51	68.20	-15.69	3	Horizontal	214	1.83
5300MHz	Pass	AV	5.3032G	99.90	Inf	-Inf	3	Vertical	147	1.00
5300MHz	Pass	AV	5.392G	42.83	54.00	-11.17	3	Vertical	147	1.00
5300MHz	Pass	PK	5.3024G	113.98	Inf	-Inf	3	Vertical	147	1.00
5300MHz	Pass	PK	5.3716G	56.29	74.00	-17.71	3	Vertical	147	1.00
5300MHz	Pass	AV	5.302G	94.18	Inf	-Inf	3	Horizontal	62	1.99
5300MHz	Pass	AV	5.3988G	42.37	54.00	-11.63	3	Horizontal	62	1.99
5300MHz	Pass	PK	5.3012G	107.90	Inf	-Inf	3	Horizontal	62	1.99
5300MHz	Pass	PK	5.4G	56.41	74.00	-17.59	3	Horizontal	62	1.99
5300MHz	Pass	AV	10.60732G	38.81	54.00	-15.19	3	Vertical	221	1.50
5300MHz	Pass	PK	10.60904G	51.78	74.00	-22.22	3	Vertical	221	1.50
5300MHz	Pass	AV	10.60008G	39.12	54.00	-14.88	3	Horizontal	208	1.50
5300MHz	Pass	PK	10.60148G	51.84	74.00	-22.16	3	Horizontal	208	1.50
5320MHz	Pass	AV	5.3176G	100.17	Inf	-Inf	3	Vertical	146	1.06
5320MHz	Pass	AV	5.35G	47.50	54.00	-6.50	3	Vertical	146	1.06
5320MHz	Pass	PK	5.3186G	113.65	Inf	-Inf	3	Vertical	146	1.06
5320MHz	Pass	PK	5.3502G	62.78	74.00	-11.22	3	Vertical	146	1.06
5320MHz	Pass	AV	5.3172G	95.14	Inf	-Inf	3	Horizontal	65	2.09
5320MHz	Pass	AV	5.35G	43.70	54.00	-10.30	3	Horizontal	65	2.09
5320MHz	Pass	PK	5.3256G	108.52	Inf	-Inf	3	Horizontal	65	2.09
5320MHz	Pass	PK	5.35G	57.55	74.00	-16.45	3	Horizontal	65	2.09
5320MHz	Pass	AV	10.64452G	38.92	54.00	-15.08	3	Vertical	5	1.49
5320MHz	Pass	PK	10.63136G	52.24	74.00	-21.76	3	Vertical	5	1.49
5320MHz	Pass	AV	10.64G	39.30	54.00	-14.70	3	Horizontal	230	1.48
5320MHz	Pass	PK	10.6388G	52.35	74.00	-21.65	3	Horizontal	230	1.48
5500MHz	Pass	AV	5.46G	43.22	54.00	-10.78	3	Vertical	145	1.50
5500MHz	Pass	AV	5.5022G	98.61	Inf	-Inf	3	Vertical	145	1.50
5500MHz	Pass	PK	5.454G	57.05	74.00	-16.95	3	Vertical	145	1.50
5500MHz	Pass	PK	5.4642G	57.74	68.20	-10.46	3	Vertical	145	1.50
5500MHz	Pass	PK	5.5006G	112.47	Inf	-Inf	3	Vertical	145	1.50
5500MHz	Pass	AV	5.456G	42.21	54.00	-11.79	3	Horizontal	262	1.50
5500MHz	Pass	AV	5.5062G	91.87	Inf	-Inf	3	Horizontal	262	1.50
5500MHz	Pass	PK	5.4556G	56.30	74.00	-17.70	3	Horizontal	262	1.50
5500MHz	Pass	PK	5.4654G	56.46	68.20	-11.74	3	Horizontal	262	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5500MHz	Pass	PK	5.5058G	106.02	Inf	-Inf	3	Horizontal	262	1.50
5500MHz	Pass	AV	10.99292G	39.16	54.00	-14.84	3	Vertical	94	1.50
5500MHz	Pass	PK	10.99232G	52.69	74.00	-21.31	3	Vertical	94	1.50
5500MHz	Pass	AV	10.99088G	39.15	54.00	-14.85	3	Horizontal	21	1.50
5500MHz	Pass	PK	10.99728G	51.72	74.00	-22.28	3	Horizontal	21	1.50
5580MHz	Pass	AV	5.4426G	42.27	54.00	-11.73	3	Vertical	151	2.61
5580MHz	Pass	AV	5.5776G	99.97	Inf	-Inf	3	Vertical	151	2.61
5580MHz	Pass	PK	5.4396G	55.71	74.00	-18.29	3	Vertical	151	2.61
5580MHz	Pass	PK	5.4648G	55.03	68.20	-13.17	3	Vertical	151	2.61
5580MHz	Pass	PK	5.5764G	112.74	Inf	-Inf	3	Vertical	151	2.61
5580MHz	Pass	PK	5.73G	55.90	68.20	-12.30	3	Vertical	151	2.61
5580MHz	Pass	AV	5.4384G	42.07	54.00	-11.93	3	Horizontal	268	1.50
5580MHz	Pass	AV	5.5782G	92.26	Inf	-Inf	3	Horizontal	268	1.50
5580MHz	Pass	PK	5.4582G	55.78	74.00	-18.22	3	Horizontal	268	1.50
5580MHz	Pass	PK	5.4666G	55.82	68.20	-12.58	3	Horizontal	268	1.50
5580MHz	Pass	PK	5.5788G	105.53	Inf	-Inf	3	Horizontal	268	1.50
5580MHz	Pass	PK	5.73G	56.27	68.20	-11.93	3	Horizontal	268	1.50
5580MHz	Pass	AV	11.1502G	38.82	54.00	-15.18	3	Vertical	74	1.50
5580MHz	Pass	PK	11.17G	51.32	74.00	-22.68	3	Vertical	74	1.50
5580MHz	Pass	AV	11.151G	38.76	54.00	-15.24	3	Horizontal	360	2.56
5580MHz	Pass	PK	11.16196G	52.19	74.00	-21.81	3	Horizontal	360	2.56
5700MHz	Pass	AV	5.7028G	101.08	Inf	-Inf	3	Vertical	191	2.53
5700MHz	Pass	PK	5.7028G	114.29	Inf	-Inf	3	Vertical	191	2.53
5700MHz	Pass	PK	5.7252G	67.60	68.20	-0.60	3	Vertical	191	2.53
5700MHz	Pass	AV	5.702G	95.71	Inf	-Inf	3	Horizontal	245	2.52
5700MHz	Pass	PK	5.702G	108.56	Inf	-Inf	3	Horizontal	245	2.52
5700MHz	Pass	PK	5.7252G	60.77	68.20	-7.43	3	Horizontal	245	2.52
5700MHz	Pass	AV	11.391G	39.14	54.00	-14.86	3	Vertical	236	1.50
5700MHz	Pass	PK	11.40056G	53.03	74.00	-20.97	3	Vertical	236	1.50
5700MHz	Pass	AV	11.39028G	39.04	54.00	-14.96	3	Horizontal	267	1.50
5700MHz	Pass	PK	11.39668G	52.49	74.00	-21.51	3	Horizontal	267	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4572G	42.24	54.00	-11.76	3	Vertical	190	2.44
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7176G	101.92	Inf	-Inf	3	Vertical	190	2.44
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4224G	55.79	74.00	-18.21	3	Vertical	190	2.44
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4668G	55.40	68.20	-12.80	3	Vertical	190	2.44
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7188G	114.74	Inf	-Inf	3	Vertical	190	2.44
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8652G	58.25	68.20	-9.95	3	Vertical	190	2.44
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4404G	42.11	54.00	-11.89	3	Horizontal	242	2.39
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7176G	96.61	Inf	-Inf	3	Horizontal	242	2.39
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.444G	54.88	74.00	-19.12	3	Horizontal	242	2.39
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4632G	55.92	68.20	-12.28	3	Horizontal	242	2.39
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7188G	109.37	Inf	-Inf	3	Horizontal	242	2.39
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9828G	58.68	68.20	-9.52	3	Horizontal	242	2.39
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43192G	39.02	54.00	-14.98	3	Vertical	197	2.40
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44544G	51.76	74.00	-22.24	3	Vertical	197	2.40
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43204G	38.95	54.00	-15.05	3	Horizontal	56	1.38
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44948G	52.02	74.00	-21.98	3	Horizontal	56	1.38
5745MHz	Pass	AV	5.445G	42.22	54.00	-11.78	3	Vertical	190	2.49
5745MHz	Pass	AV	5.7438G	101.68	Inf	-Inf	3	Vertical	190	2.49
5745MHz	Pass	PK	5.5602G	57.30	68.20	-10.90	3	Vertical	190	2.49
5745MHz	Pass	PK	5.7426G	115.19	Inf	-Inf	3	Vertical	190	2.49
5745MHz	Pass	PK	6.0114G	58.01	68.20	-10.19	3	Vertical	190	2.49
5745MHz	Pass	AV	5.445G	41.96	54.00	-12.04	3	Horizontal	239	2.60
5745MHz	Pass	AV	5.7414G	96.56	Inf	-Inf	3	Horizontal	239	2.60
5745MHz	Pass	PK	5.5746G	56.36	68.20	-11.84	3	Horizontal	239	2.60
5745MHz	Pass	PK	5.7426G	109.44	Inf	-Inf	3	Horizontal	239	2.60
5745MHz	Pass	PK	5.9838G	57.76	68.20	-10.44	3	Horizontal	239	2.60
5745MHz	Pass	AV	11.49728G	39.22	54.00	-14.78	3	Vertical	21	1.50
5745MHz	Pass	PK	11.49712G	52.20	74.00	-21.80	3	Vertical	21	1.50
5745MHz	Pass	AV	11.49696G	39.31	54.00	-14.69	3	Horizontal	271	1.50
5745MHz	Pass	PK	11.49568G	52.96	74.00	-21.04	3	Horizontal	271	1.50
5785MHz	Pass	AV	5.78371G	102.81	Inf	-Inf	3	Vertical	189	2.62

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5785MHz	Pass	PK	5.63004G	56.63	68.20	-11.57	3	Vertical	189	2.62
5785MHz	Pass	PK	5.78129G	115.53	Inf	-Inf	3	Vertical	189	2.62
5785MHz	Pass	PK	6.06927G	58.54	68.20	-9.66	3	Vertical	189	2.62
5785MHz	Pass	AV	5.78371G	97.19	Inf	-Inf	3	Horizontal	102	2.48
5785MHz	Pass	PK	5.5768G	56.73	68.20	-11.47	3	Horizontal	102	2.48
5785MHz	Pass	PK	5.7825G	109.91	Inf	-Inf	3	Horizontal	102	2.48
5785MHz	Pass	PK	6.01119G	58.10	68.20	-10.10	3	Horizontal	102	2.48
5785MHz	Pass	AV	11.5776G	38.70	54.00	-15.30	3	Vertical	176	1.50
5785MHz	Pass	PK	11.57296G	50.94	74.00	-23.06	3	Vertical	176	1.50
5785MHz	Pass	AV	11.57836G	38.57	54.00	-15.43	3	Horizontal	150	1.00
5785MHz	Pass	PK	11.57596G	51.34	74.00	-22.66	3	Horizontal	150	1.00
5825MHz	Pass	AV	5.8238G	98.49	Inf	-Inf	3	Vertical	179	1.50
5825MHz	Pass	PK	5.6018G	56.36	68.20	-11.84	3	Vertical	179	1.50
5825MHz	Pass	PK	5.825G	110.18	Inf	-Inf	3	Vertical	179	1.50
5825MHz	Pass	PK	6.0074G	58.10	68.20	-10.10	3	Vertical	179	1.50
5825MHz	Pass	AV	5.8238G	94.66	Inf	-Inf	3	Horizontal	110	1.82
5825MHz	Pass	PK	5.6126G	56.06	68.20	-12.14	3	Horizontal	110	1.82
5825MHz	Pass	PK	5.8238G	107.76	Inf	-Inf	3	Horizontal	110	1.82
5825MHz	Pass	PK	6.0794G	57.98	68.20	-10.22	3	Horizontal	110	1.82
5825MHz	Pass	AV	11.64124G	39.07	54.00	-14.93	3	Vertical	181	1.50
5825MHz	Pass	PK	11.64024G	52.37	74.00	-21.63	3	Vertical	181	1.50
5825MHz	Pass	AV	11.6408G	38.89	54.00	-15.11	3	Horizontal	213	2.50
5825MHz	Pass	PK	11.64552G	51.94	74.00	-22.06	3	Horizontal	213	2.50
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1492G	52.28	54.00	-1.72	3	Vertical	180	1.77
5190MHz	Pass	AV	5.1888G	97.89	Inf	-Inf	3	Vertical	180	1.77
5190MHz	Pass	PK	5.148G	68.31	74.00	-5.69	3	Vertical	180	1.77
5190MHz	Pass	PK	5.1892G	111.31	Inf	-Inf	3	Vertical	180	1.77
5190MHz	Pass	AV	5.15G	47.31	54.00	-6.69	3	Horizontal	65	1.93
5190MHz	Pass	AV	5.1912G	92.67	Inf	-Inf	3	Horizontal	65	1.93
5190MHz	Pass	PK	5.15G	63.36	74.00	-10.64	3	Horizontal	65	1.93
5190MHz	Pass	PK	5.1816G	106.14	Inf	-Inf	3	Horizontal	65	1.93
5190MHz	Pass	PK	10.36176G	51.99	68.20	-16.21	3	Vertical	17	1.50
5190MHz	Pass	PK	10.39136G	51.35	68.20	-16.85	3	Horizontal	241	1.79
5230MHz	Pass	AV	5.1484G	43.96	54.00	-10.04	3	Vertical	185	1.80
5230MHz	Pass	AV	5.228G	98.82	Inf	-Inf	3	Vertical	185	1.80
5230MHz	Pass	PK	5.1436G	57.11	74.00	-16.89	3	Vertical	185	1.80
5230MHz	Pass	PK	5.218G	112.21	Inf	-Inf	3	Vertical	185	1.80
5230MHz	Pass	AV	5.1484G	42.83	54.00	-11.17	3	Horizontal	61	1.94
5230MHz	Pass	AV	5.226G	93.28	Inf	-Inf	3	Horizontal	61	1.94
5230MHz	Pass	PK	5.148G	56.71	74.00	-17.29	3	Horizontal	61	1.94
5230MHz	Pass	PK	5.2252G	107.01	Inf	-Inf	3	Horizontal	61	1.94
5230MHz	Pass	PK	10.46456G	51.77	68.20	-16.43	3	Vertical	3	1.38
5230MHz	Pass	PK	10.4744G	52.48	68.20	-15.72	3	Horizontal	132	3.00
5270MHz	Pass	AV	5.2788G	99.11	Inf	-Inf	3	Vertical	149	1.13
5270MHz	Pass	AV	5.35G	44.30	54.00	-9.70	3	Vertical	149	1.13
5270MHz	Pass	PK	5.2784G	112.14	Inf	-Inf	3	Vertical	149	1.13
5270MHz	Pass	PK	5.3504G	57.71	74.00	-16.29	3	Vertical	149	1.13
5270MHz	Pass	AV	5.2664G	93.55	Inf	-Inf	3	Horizontal	64	2.07
5270MHz	Pass	AV	5.3696G	42.65	54.00	-11.35	3	Horizontal	64	2.07
5270MHz	Pass	PK	5.2768G	106.69	Inf	-Inf	3	Horizontal	64	2.07
5270MHz	Pass	PK	5.3672G	56.83	74.00	-17.17	3	Horizontal	64	2.07
5270MHz	Pass	PK	10.52032G	52.08	68.20	-16.12	3	Vertical	360	2.09
5270MHz	Pass	PK	10.52304G	51.80	68.20	-16.40	3	Horizontal	133	1.50
5310MHz	Pass	AV	5.3124G	98.25	Inf	-Inf	3	Vertical	145	1.00
5310MHz	Pass	AV	5.3532G	53.36	54.00	-0.64	3	Vertical	145	1.00
5310MHz	Pass	PK	5.302G	112.21	Inf	-Inf	3	Vertical	145	1.00
5310MHz	Pass	PK	5.3512G	70.97	74.00	-3.03	3	Vertical	145	1.00
5310MHz	Pass	AV	5.3112G	92.57	Inf	-Inf	3	Horizontal	61	1.99
5310MHz	Pass	AV	5.3512G	49.55	54.00	-4.45	3	Horizontal	61	1.99
5310MHz	Pass	PK	5.312G	105.68	Inf	-Inf	3	Horizontal	61	1.99
5310MHz	Pass	PK	5.3524G	65.11	74.00	-8.89	3	Horizontal	61	1.99

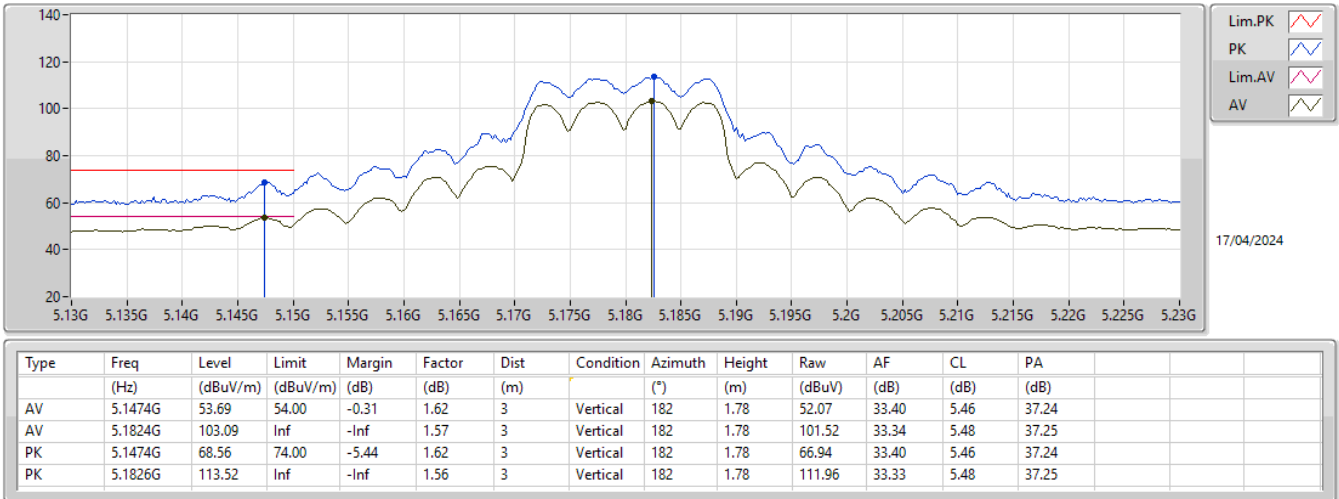
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5310MHz	Pass	AV	10.61008G	38.78	54.00	-15.22	3	Vertical	351	1.50
5310MHz	Pass	PK	10.60792G	52.05	74.00	-21.95	3	Vertical	351	1.50
5310MHz	Pass	AV	10.62G	39.19	54.00	-14.81	3	Horizontal	232	1.60
5310MHz	Pass	PK	10.62304G	51.80	74.00	-22.20	3	Horizontal	232	1.60
5510MHz	Pass	AV	5.46G	47.22	54.00	-6.78	3	Vertical	142	1.50
5510MHz	Pass	AV	5.512G	96.48	Inf	-Inf	3	Vertical	142	1.50
5510MHz	Pass	PK	5.46G	65.76	74.00	-8.24	3	Vertical	142	1.50
5510MHz	Pass	PK	5.47G	67.17	68.20	-1.03	3	Vertical	142	1.50
5510MHz	Pass	PK	5.5116G	110.74	Inf	-Inf	3	Vertical	142	1.50
5510MHz	Pass	AV	5.4564G	43.70	54.00	-10.30	3	Horizontal	262	1.50
5510MHz	Pass	AV	5.5064G	90.14	Inf	-Inf	3	Horizontal	262	1.50
5510MHz	Pass	PK	5.458G	57.08	74.00	-16.92	3	Horizontal	262	1.50
5510MHz	Pass	PK	5.4656G	58.57	68.20	-9.63	3	Horizontal	262	1.50
5510MHz	Pass	PK	5.5172G	103.67	Inf	-Inf	3	Horizontal	262	1.50
5510MHz	Pass	AV	11.00496G	38.93	54.00	-15.07	3	Vertical	32	1.50
5510MHz	Pass	PK	11.01328G	52.27	74.00	-21.73	3	Vertical	32	1.50
5510MHz	Pass	AV	11.00056G	38.95	54.00	-15.05	3	Horizontal	64	1.50
5510MHz	Pass	PK	11.03456G	52.39	74.00	-21.61	3	Horizontal	64	1.50
5550MHz	Pass	AV	5.4584G	43.27	54.00	-10.73	3	Vertical	145	1.50
5550MHz	Pass	AV	5.5476G	96.64	Inf	-Inf	3	Vertical	145	1.50
5550MHz	Pass	PK	5.4532G	56.66	74.00	-17.34	3	Vertical	145	1.50
5550MHz	Pass	PK	5.4624G	57.45	68.20	-10.75	3	Vertical	145	1.50
5550MHz	Pass	PK	5.5476G	110.16	Inf	-Inf	3	Vertical	145	1.50
5550MHz	Pass	AV	5.4596G	42.29	54.00	-11.71	3	Horizontal	265	1.50
5550MHz	Pass	AV	5.5524G	90.92	Inf	-Inf	3	Horizontal	265	1.50
5550MHz	Pass	PK	5.4588G	55.91	74.00	-18.09	3	Horizontal	265	1.50
5550MHz	Pass	PK	5.4624G	56.48	68.20	-11.72	3	Horizontal	265	1.50
5550MHz	Pass	PK	5.5424G	103.64	Inf	-Inf	3	Horizontal	265	1.50
5550MHz	Pass	AV	11.10064G	38.81	54.00	-15.19	3	Vertical	98	1.50
5550MHz	Pass	PK	11.11784G	51.47	74.00	-22.53	3	Vertical	98	1.50
5550MHz	Pass	AV	11.10112G	38.88	54.00	-15.12	3	Horizontal	280	1.50
5550MHz	Pass	PK	11.09672G	52.19	74.00	-21.81	3	Horizontal	280	1.50
5670MHz	Pass	AV	5.6676G	97.79	Inf	-Inf	3	Vertical	152	1.50
5670MHz	Pass	PK	5.6574G	110.91	Inf	-Inf	3	Vertical	152	1.50
5670MHz	Pass	PK	5.7282G	66.86	68.20	-1.34	3	Vertical	152	1.50
5670MHz	Pass	AV	5.6676G	89.86	Inf	-Inf	3	Horizontal	254	1.50
5670MHz	Pass	PK	5.6676G	104.16	Inf	-Inf	3	Horizontal	254	1.50
5670MHz	Pass	PK	5.7288G	59.63	68.20	-8.57	3	Horizontal	254	1.50
5670MHz	Pass	AV	11.35896G	38.86	54.00	-15.14	3	Vertical	74	1.50
5670MHz	Pass	PK	11.338G	53.18	74.00	-20.82	3	Vertical	74	1.50
5670MHz	Pass	AV	11.35848G	38.76	54.00	-15.24	3	Horizontal	281	1.50
5670MHz	Pass	PK	11.32992G	52.00	74.00	-22.00	3	Horizontal	281	1.50
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4208G	42.29	54.00	-11.71	3	Vertical	190	2.51
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7136G	100.35	Inf	-Inf	3	Vertical	190	2.51
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4148G	56.19	74.00	-17.81	3	Vertical	190	2.51
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4628G	56.18	68.20	-12.02	3	Vertical	190	2.51
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7124G	113.34	Inf	-Inf	3	Vertical	190	2.51
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.908G	58.18	68.20	-10.02	3	Vertical	190	2.51
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.446G	42.16	54.00	-11.84	3	Horizontal	243	2.41
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7124G	94.85	Inf	-Inf	3	Horizontal	243	2.41
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4112G	56.15	74.00	-17.85	3	Horizontal	243	2.41
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.464G	56.05	68.20	-12.15	3	Horizontal	243	2.41
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7124G	107.85	Inf	-Inf	3	Horizontal	243	2.41
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.8936G	58.19	68.20	-10.01	3	Horizontal	243	2.41
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.41616G	39.21	54.00	-14.79	3	Vertical	302	1.50
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.40808G	52.88	74.00	-21.12	3	Vertical	302	1.50
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.4172G	39.18	54.00	-14.82	3	Horizontal	121	1.25
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.41632G	53.15	74.00	-20.85	3	Horizontal	121	1.25
5755MHz	Pass	AV	5.4598G	42.18	54.00	-11.82	3	Vertical	189	2.45
5755MHz	Pass	AV	5.7574G	100.04	Inf	-Inf	3	Vertical	189	2.45
5755MHz	Pass	PK	5.6458G	57.18	68.20	-11.02	3	Vertical	189	2.45
5755MHz	Pass	PK	5.767G	112.79	Inf	-Inf	3	Vertical	189	2.45

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5755MHz	Pass	PK	6.031G	58.58	68.20	-9.62	3	Vertical	189	2.45
5755MHz	Pass	AV	5.4598G	42.14	54.00	-11.86	3	Horizontal	115	2.55
5755MHz	Pass	AV	5.761G	94.14	Inf	-Inf	3	Horizontal	115	2.55
5755MHz	Pass	PK	5.6494G	55.94	68.20	-12.26	3	Horizontal	115	2.55
5755MHz	Pass	PK	5.7622G	107.99	Inf	-Inf	3	Horizontal	115	2.55
5755MHz	Pass	PK	6.0046G	57.75	68.20	-10.45	3	Horizontal	115	2.55
5755MHz	Pass	AV	11.49832G	39.40	54.00	-14.60	3	Vertical	33	1.50
5755MHz	Pass	PK	11.51104G	52.90	74.00	-21.10	3	Vertical	33	1.50
5755MHz	Pass	AV	11.50088G	39.28	54.00	-14.72	3	Horizontal	352	2.25
5755MHz	Pass	PK	11.50376G	52.75	74.00	-21.25	3	Horizontal	352	2.25
5795MHz	Pass	AV	5.7926G	100.47	Inf	-Inf	3	Vertical	187	2.32
5795MHz	Pass	PK	5.6342G	56.79	68.20	-11.41	3	Vertical	187	2.32
5795MHz	Pass	PK	5.7914G	112.97	Inf	-Inf	3	Vertical	187	2.32
5795MHz	Pass	PK	5.9462G	58.68	68.20	-9.52	3	Vertical	187	2.32
5795MHz	Pass	AV	5.7986G	94.05	Inf	-Inf	3	Horizontal	111	2.00
5795MHz	Pass	PK	5.6402G	55.91	68.20	-12.29	3	Horizontal	111	2.00
5795MHz	Pass	PK	5.7986G	107.33	Inf	-Inf	3	Horizontal	111	2.00
5795MHz	Pass	PK	5.951G	59.04	68.20	-9.16	3	Horizontal	111	2.00
5795MHz	Pass	AV	11.58992G	39.03	54.00	-14.97	3	Vertical	130	1.50
5795MHz	Pass	PK	11.57968G	51.91	74.00	-22.09	3	Vertical	130	1.50
5795MHz	Pass	AV	11.592G	39.08	54.00	-14.92	3	Horizontal	232	1.50
5795MHz	Pass	PK	11.59016G	52.12	74.00	-21.88	3	Horizontal	232	1.50
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149G	52.02	54.00	-1.98	3	Vertical	181	1.77
5210MHz	Pass	AV	5.22G	93.32	Inf	-Inf	3	Vertical	181	1.77
5210MHz	Pass	AV	5.351G	43.90	54.00	-10.10	3	Vertical	181	1.77
5210MHz	Pass	PK	5.15G	67.27	74.00	-6.73	3	Vertical	181	1.77
5210MHz	Pass	PK	5.211G	106.52	Inf	-Inf	3	Vertical	181	1.77
5210MHz	Pass	PK	5.402G	57.19	74.00	-16.81	3	Vertical	181	1.77
5210MHz	Pass	AV	5.15G	46.91	54.00	-7.09	3	Horizontal	63	1.99
5210MHz	Pass	AV	5.231G	87.89	Inf	-Inf	3	Horizontal	63	1.99
5210MHz	Pass	AV	5.433G	43.01	54.00	-10.99	3	Horizontal	63	1.99
5210MHz	Pass	PK	5.141G	62.00	74.00	-12.00	3	Horizontal	63	1.99
5210MHz	Pass	PK	5.232G	102.72	Inf	-Inf	3	Horizontal	63	1.99
5210MHz	Pass	PK	5.357G	57.15	74.00	-16.85	3	Horizontal	63	1.99
5210MHz	Pass	PK	10.45248G	51.69	68.20	-16.51	3	Vertical	276	2.40
5210MHz	Pass	PK	10.42G	52.06	68.20	-16.14	3	Horizontal	242	1.81
5290MHz	Pass	AV	5.147G	45.80	54.00	-8.20	3	Vertical	145	1.00
5290MHz	Pass	AV	5.287G	94.67	Inf	-Inf	3	Vertical	145	1.00
5290MHz	Pass	AV	5.357G	52.16	54.00	-1.84	3	Vertical	145	1.00
5290MHz	Pass	PK	5.148G	61.06	74.00	-12.94	3	Vertical	145	1.00
5290MHz	Pass	PK	5.307G	108.27	Inf	-Inf	3	Vertical	145	1.00
5290MHz	Pass	PK	5.357G	73.04	74.00	-0.96	3	Vertical	145	1.00
5290MHz	Pass	PK	5.49G	61.92	68.20	-6.28	3	Vertical	145	1.00
5290MHz	Pass	AV	5.147G	43.50	54.00	-10.50	3	Horizontal	59	1.99
5290MHz	Pass	AV	5.307G	88.47	Inf	-Inf	3	Horizontal	59	1.99
5290MHz	Pass	AV	5.356G	47.33	54.00	-6.67	3	Horizontal	59	1.99
5290MHz	Pass	PK	5.136G	57.80	74.00	-16.20	3	Horizontal	59	1.99
5290MHz	Pass	PK	5.276G	102.31	Inf	-Inf	3	Horizontal	59	1.99
5290MHz	Pass	PK	5.357G	66.57	74.00	-7.43	3	Horizontal	59	1.99
5290MHz	Pass	PK	5.466G	59.24	68.20	-8.96	3	Horizontal	59	1.99
5290MHz	Pass	AV	10.60192G	38.77	54.00	-15.23	3	Vertical	6	1.50
5290MHz	Pass	PK	10.61472G	51.75	74.00	-22.25	3	Vertical	6	1.50
5290MHz	Pass	PK	10.57088G	51.79	68.20	-16.41	3	Horizontal	229	1.50
5530MHz	Pass	AV	5.35G	42.44	54.00	-11.56	3	Vertical	145	1.50
5530MHz	Pass	AV	5.458G	46.96	54.00	-7.04	3	Vertical	145	1.50
5530MHz	Pass	AV	5.527G	92.82	Inf	-Inf	3	Vertical	145	1.50
5530MHz	Pass	PK	5.284G	56.48	68.20	-11.72	3	Vertical	145	1.50
5530MHz	Pass	PK	5.454G	66.66	74.00	-7.34	3	Vertical	145	1.50
5530MHz	Pass	PK	5.47G	67.64	68.20	-0.56	3	Vertical	145	1.50
5530MHz	Pass	PK	5.533G	106.55	Inf	-Inf	3	Vertical	145	1.50
5530MHz	Pass	PK	5.725G	58.68	68.20	-9.52	3	Vertical	145	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5530MHz	Pass	AV	5.35G	41.75	54.00	-12.25	3	Horizontal	261	1.50
5530MHz	Pass	AV	5.451G	43.50	54.00	-10.50	3	Horizontal	261	1.50
5530MHz	Pass	AV	5.522G	86.58	Inf	-Inf	3	Horizontal	261	1.50
5530MHz	Pass	PK	5.287G	55.78	68.20	-12.42	3	Horizontal	261	1.50
5530MHz	Pass	PK	5.452G	59.17	74.00	-14.83	3	Horizontal	261	1.50
5530MHz	Pass	PK	5.47G	60.24	68.20	-7.96	3	Horizontal	261	1.50
5530MHz	Pass	PK	5.512G	99.82	Inf	-Inf	3	Horizontal	261	1.50
5530MHz	Pass	PK	5.78G	56.89	68.20	-11.31	3	Horizontal	261	1.50
5530MHz	Pass	AV	11.09696G	38.79	54.00	-15.21	3	Vertical	103	1.50
5530MHz	Pass	PK	11.02464G	51.90	74.00	-22.10	3	Vertical	103	1.50
5530MHz	Pass	AV	11.09952G	38.81	54.00	-15.19	3	Horizontal	239	2.70
5530MHz	Pass	PK	11.06848G	52.72	74.00	-21.28	3	Horizontal	239	2.70
5610MHz	Pass	AV	5.46G	46.68	54.00	-7.32	3	Vertical	153	1.50
5610MHz	Pass	AV	5.613G	94.58	Inf	-Inf	3	Vertical	153	1.50
5610MHz	Pass	PK	5.46G	60.04	74.00	-13.96	3	Vertical	153	1.50
5610MHz	Pass	PK	5.47G	61.58	68.20	-6.62	3	Vertical	153	1.50
5610MHz	Pass	PK	5.613G	108.26	Inf	-Inf	3	Vertical	153	1.50
5610MHz	Pass	PK	5.725G	66.53	68.20	-1.67	3	Vertical	153	1.50
5610MHz	Pass	AV	5.46G	43.59	54.00	-10.41	3	Horizontal	273	1.50
5610MHz	Pass	AV	5.613G	87.80	Inf	-Inf	3	Horizontal	273	1.50
5610MHz	Pass	PK	5.455G	56.86	74.00	-17.14	3	Horizontal	273	1.50
5610MHz	Pass	PK	5.469G	57.71	68.20	-10.49	3	Horizontal	273	1.50
5610MHz	Pass	PK	5.614G	100.80	Inf	-Inf	3	Horizontal	273	1.50
5610MHz	Pass	PK	5.728G	59.25	68.20	-8.95	3	Horizontal	273	1.50
5610MHz	Pass	AV	11.18272G	39.20	54.00	-14.80	3	Vertical	103	1.50
5610MHz	Pass	PK	11.20992G	52.49	74.00	-21.51	3	Vertical	103	1.50
5610MHz	Pass	AV	11.18144G	39.24	54.00	-14.76	3	Horizontal	360	1.50
5610MHz	Pass	PK	11.18864G	52.19	74.00	-21.81	3	Horizontal	360	1.50
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.438G	42.72	54.00	-11.28	3	Vertical	152	1.50
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6876G	95.25	Inf	-Inf	3	Vertical	152	1.50
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4464G	56.53	74.00	-17.47	3	Vertical	152	1.50
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4692G	56.29	68.20	-11.91	3	Vertical	152	1.50
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.666G	108.35	Inf	-Inf	3	Vertical	152	1.50
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8556G	61.84	68.20	-6.36	3	Vertical	152	1.50
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4572G	42.39	54.00	-11.61	3	Horizontal	242	2.57
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6972G	91.67	Inf	-Inf	3	Horizontal	242	2.57
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.3948G	57.21	74.00	-16.79	3	Horizontal	242	2.57
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4656G	55.11	68.20	-13.09	3	Horizontal	242	2.57
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6864G	104.44	Inf	-Inf	3	Horizontal	242	2.57
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8508G	61.55	68.20	-6.65	3	Horizontal	242	2.57
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.41664G	39.16	54.00	-14.84	3	Vertical	227	1.50
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.36032G	52.69	74.00	-21.31	3	Vertical	227	1.50
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.4152G	39.26	54.00	-14.74	3	Horizontal	20	1.33
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.384G	52.25	74.00	-21.75	3	Horizontal	20	1.33
5775MHz	Pass	AV	5.7822G	96.60	Inf	-Inf	3	Vertical	168	2.58
5775MHz	Pass	PK	5.6502G	67.37	68.35	-0.98	3	Vertical	168	2.58
5775MHz	Pass	PK	5.781G	110.41	Inf	-Inf	3	Vertical	168	2.58
5775MHz	Pass	PK	5.925G	61.97	68.20	-6.23	3	Vertical	168	2.58
5775MHz	Pass	AV	5.7678G	91.87	Inf	-Inf	3	Horizontal	118	2.43
5775MHz	Pass	PK	5.6466G	62.83	68.20	-5.37	3	Horizontal	118	2.43
5775MHz	Pass	PK	5.7666G	104.55	Inf	-Inf	3	Horizontal	118	2.43
5775MHz	Pass	PK	5.9382G	60.77	68.20	-7.43	3	Horizontal	118	2.43
5775MHz	Pass	AV	11.5428G	39.23	54.00	-14.77	3	Vertical	3	1.50
5775MHz	Pass	PK	11.55048G	51.82	74.00	-22.18	3	Vertical	3	1.50
5775MHz	Pass	AV	11.54824G	39.35	54.00	-14.65	3	Horizontal	207	1.50
5775MHz	Pass	PK	11.53432G	52.00	74.00	-22.00	3	Horizontal	207	1.50

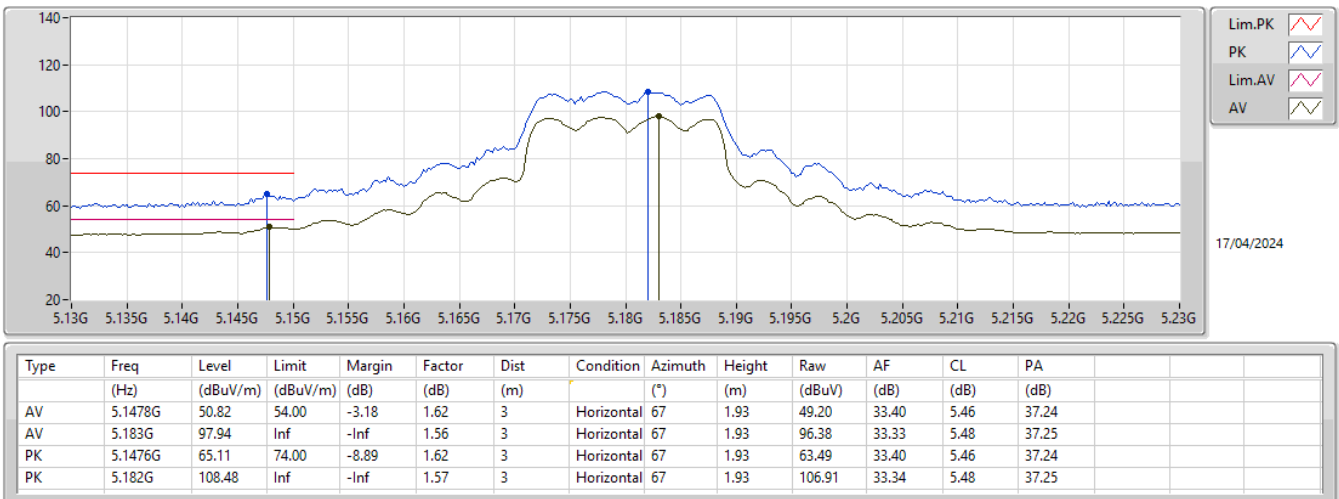
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5180MHz_TX



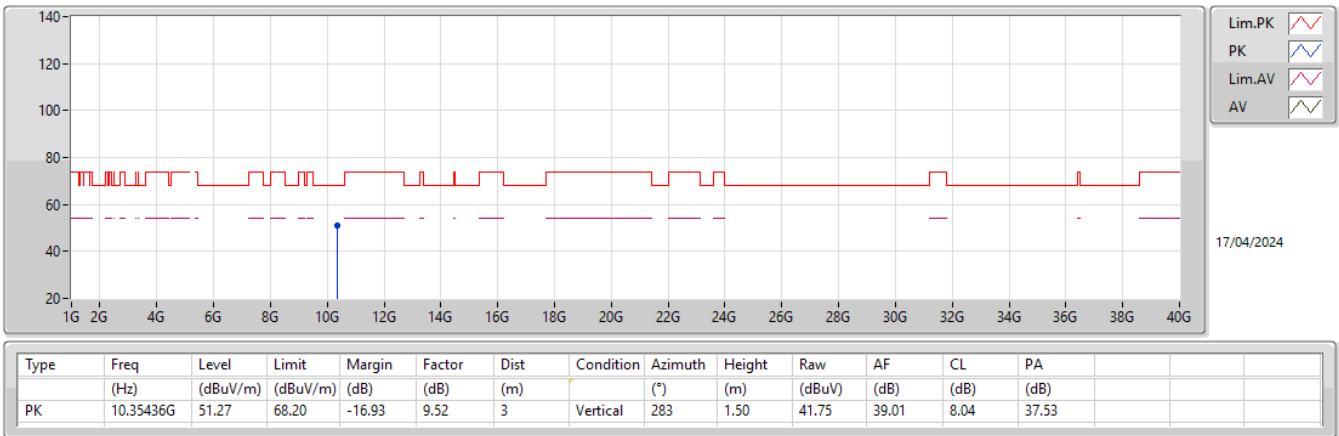
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5180MHz_TX



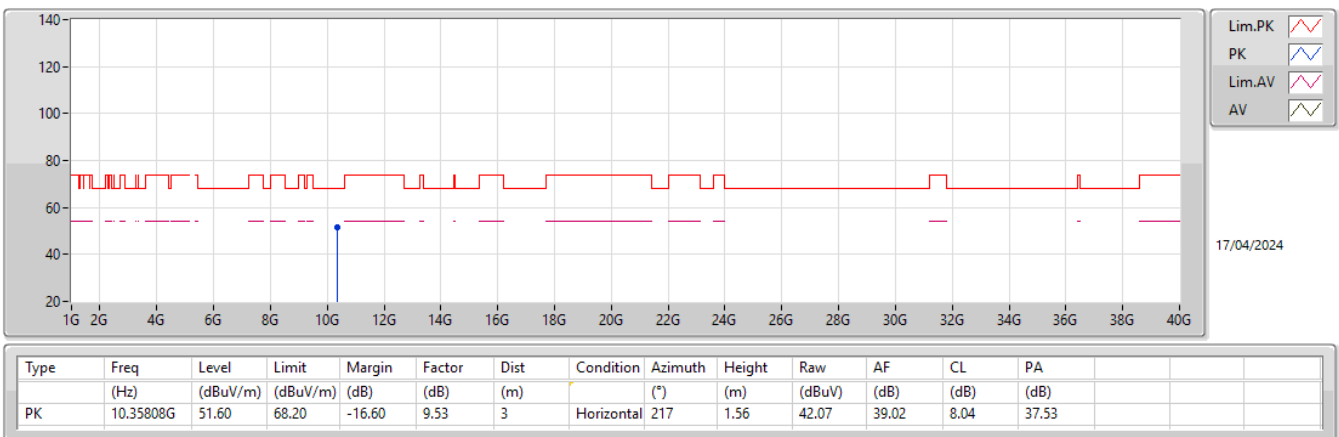
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5180MHz_TX



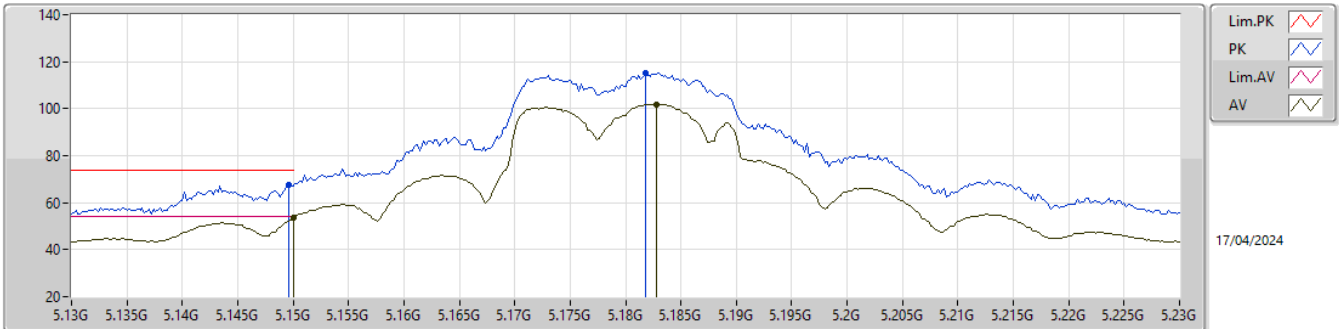
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5180MHz_TX



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

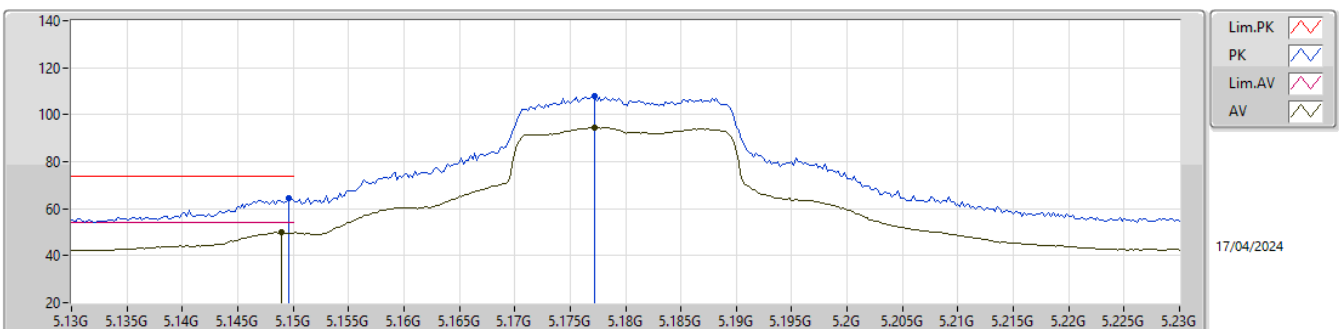
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Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	53.45	54.00	-0.55	1.62	3	Vertical	177	1.81	51.83	33.40	5.46	37.24
AV	5.1828G	101.88	Inf	-Inf	1.56	3	Vertical	177	1.81	100.32	33.33	5.48	37.25
PK	5.1496G	67.72	74.00	-6.28	1.62	3	Vertical	177	1.81	66.10	33.40	5.46	37.24
PK	5.1818G	115.34	Inf	-Inf	1.57	3	Vertical	177	1.81	113.77	33.34	5.48	37.25

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

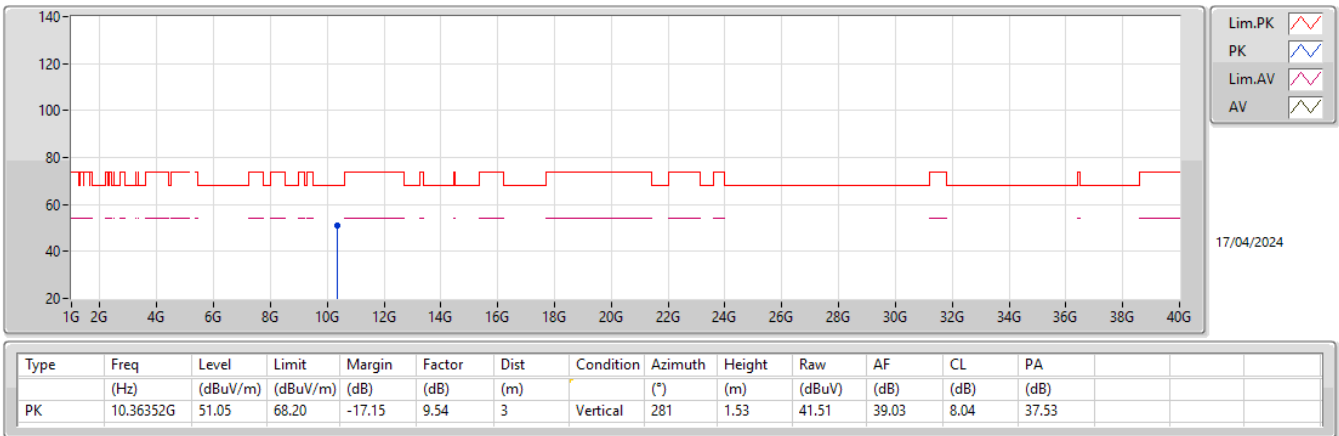
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Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149G	49.86	54.00	-4.14	1.62	3	Horizontal	60	1.50	48.24	33.40	5.46	37.24
AV	5.1772G	94.40	Inf	-Inf	1.58	3	Horizontal	60	1.50	92.82	33.35	5.48	37.25
PK	5.1496G	64.48	74.00	-9.52	1.62	3	Horizontal	60	1.50	62.86	33.40	5.46	37.24
PK	5.1772G	107.78	Inf	-Inf	1.58	3	Horizontal	60	1.50	106.20	33.35	5.48	37.25

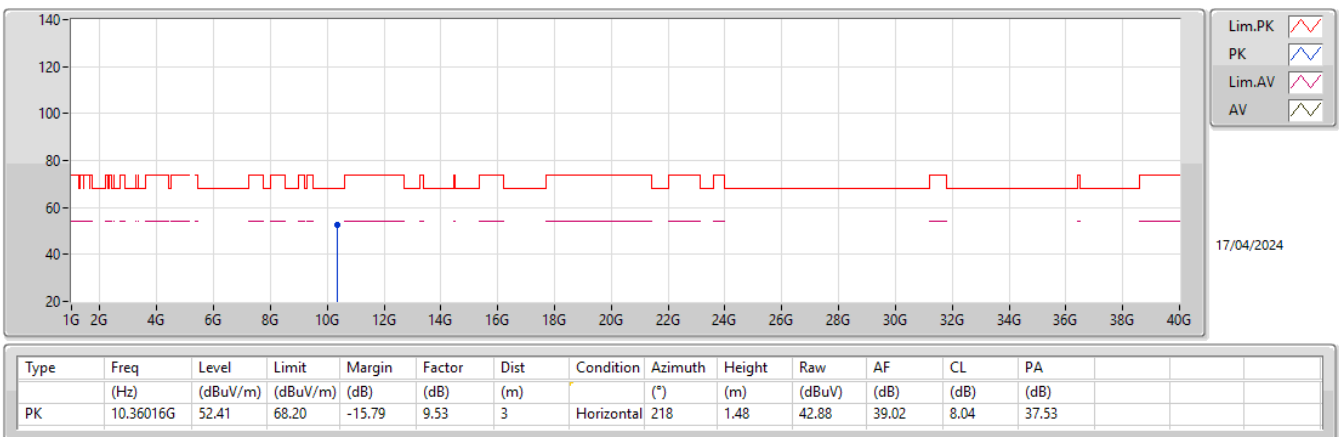
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5180MHz_TX



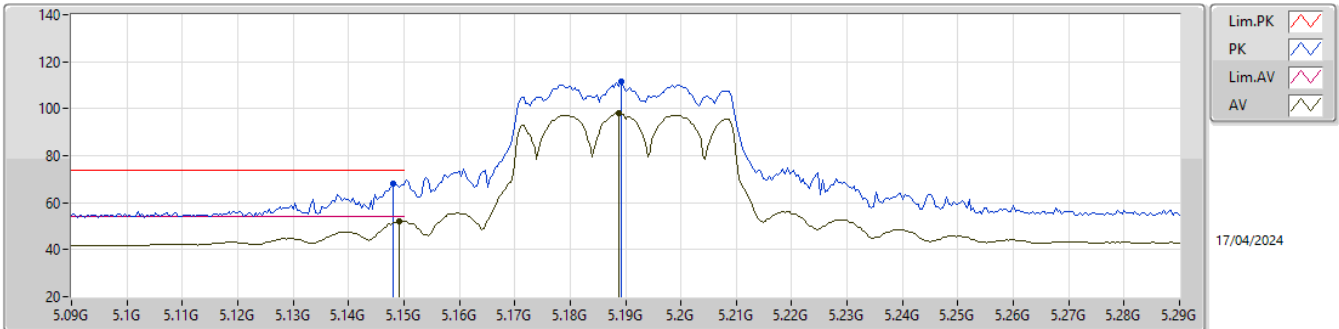
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5180MHz_TX



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

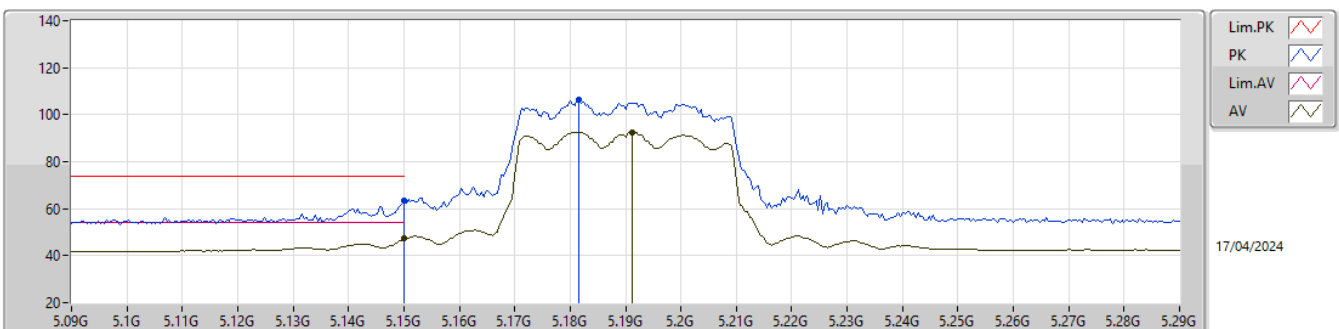
5190MHz_TX



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	5.1492G	52.28	54.00	-1.72	1.62	3	Vertical	180	1.77	50.66	33.40	5.46	37.24
AV	5.1888G	97.89	Inf	-Inf	1.55	3	Vertical	180	1.77	96.34	33.32	5.48	37.25
PK	5.148G	68.31	74.00	-5.69	1.62	3	Vertical	180	1.77	66.69	33.40	5.46	37.24
PK	5.1892G	111.31	Inf	-Inf	1.55	3	Vertical	180	1.77	109.76	33.32	5.48	37.25

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

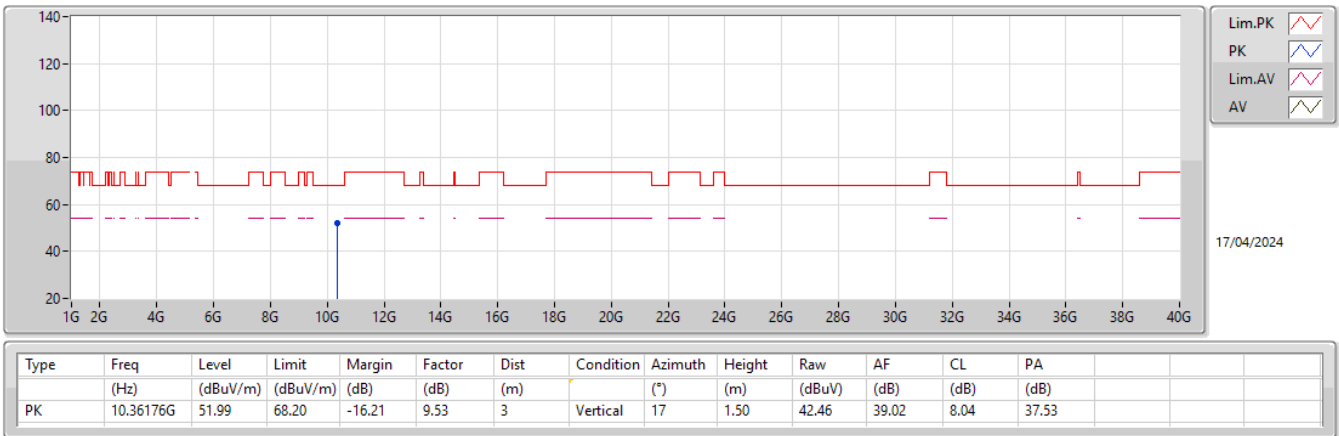
5190MHz_TX



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	47.31	54.00	-6.69	1.62	3	Horizontal	65	1.93	45.69	33.40	5.46	37.24
AV	5.1912G	92.67	Inf	-Inf	1.56	3	Horizontal	65	1.93	91.11	33.32	5.49	37.25
PK	5.15G	63.36	74.00	-10.64	1.62	3	Horizontal	65	1.93	61.74	33.40	5.46	37.24
PK	5.1816G	106.14	Inf	-Inf	1.57	3	Horizontal	65	1.93	104.57	33.34	5.48	37.25

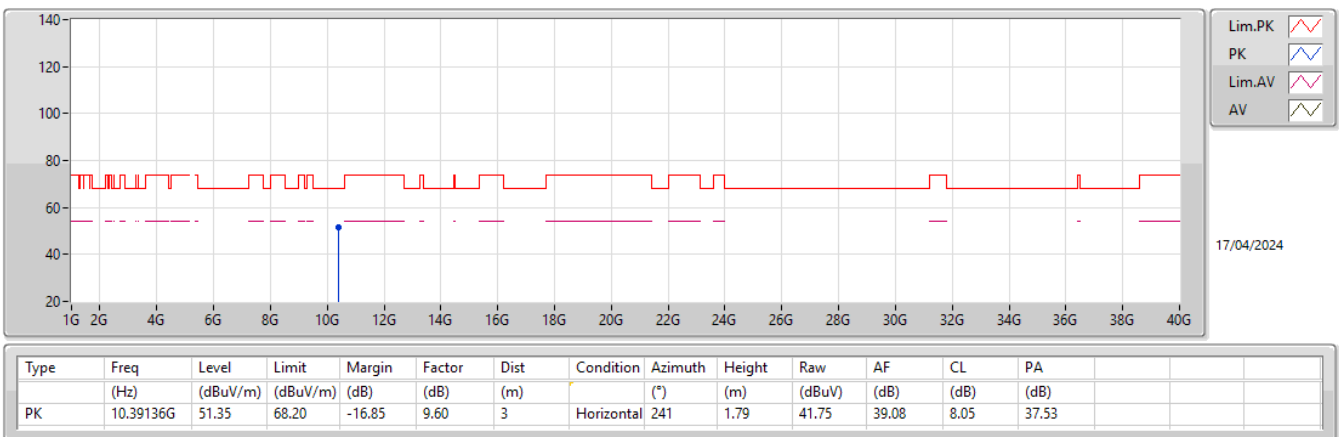
5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX



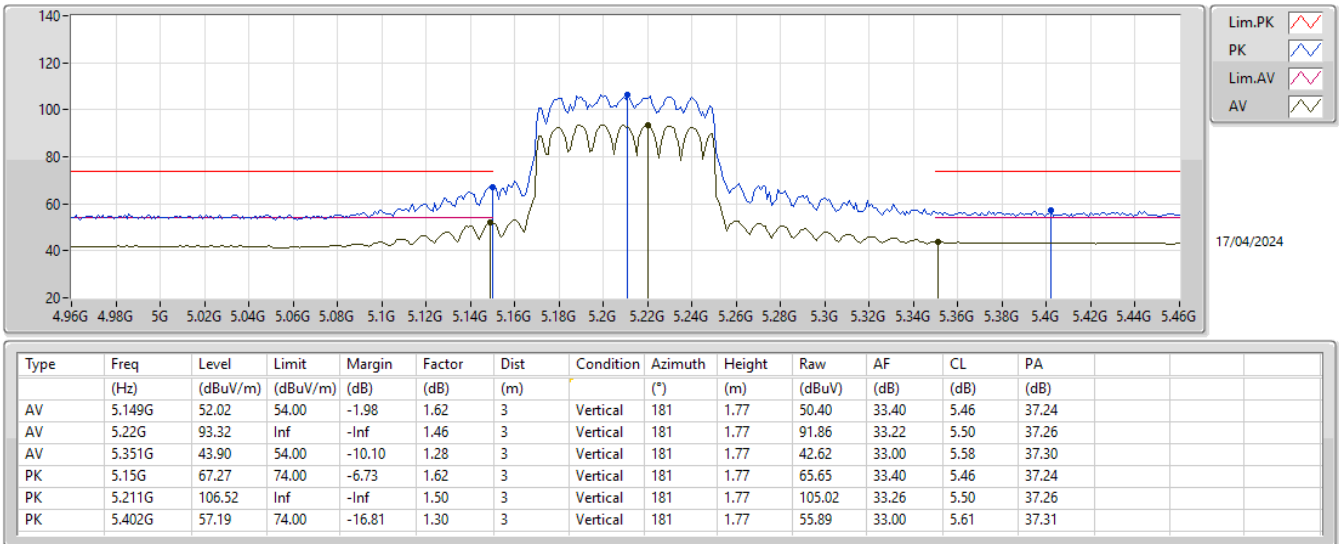
5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX



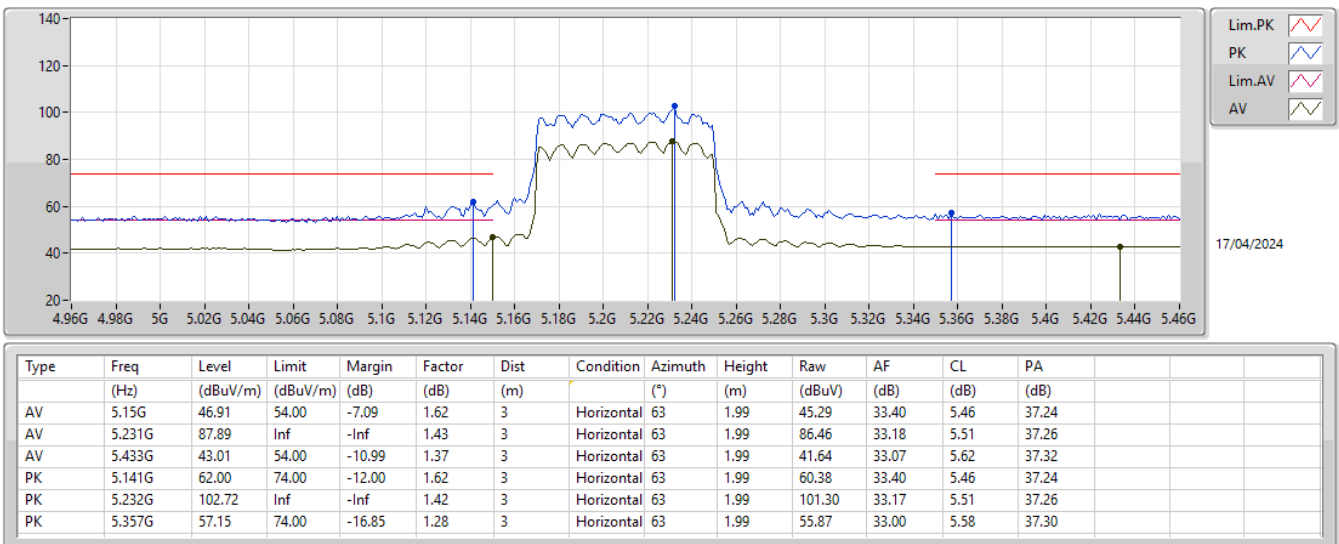
5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX



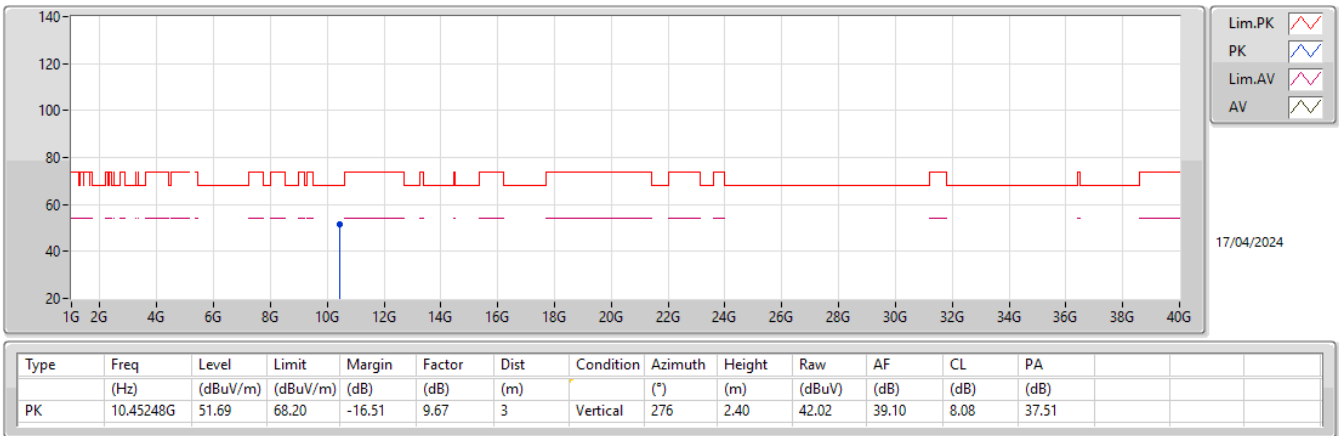
5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX



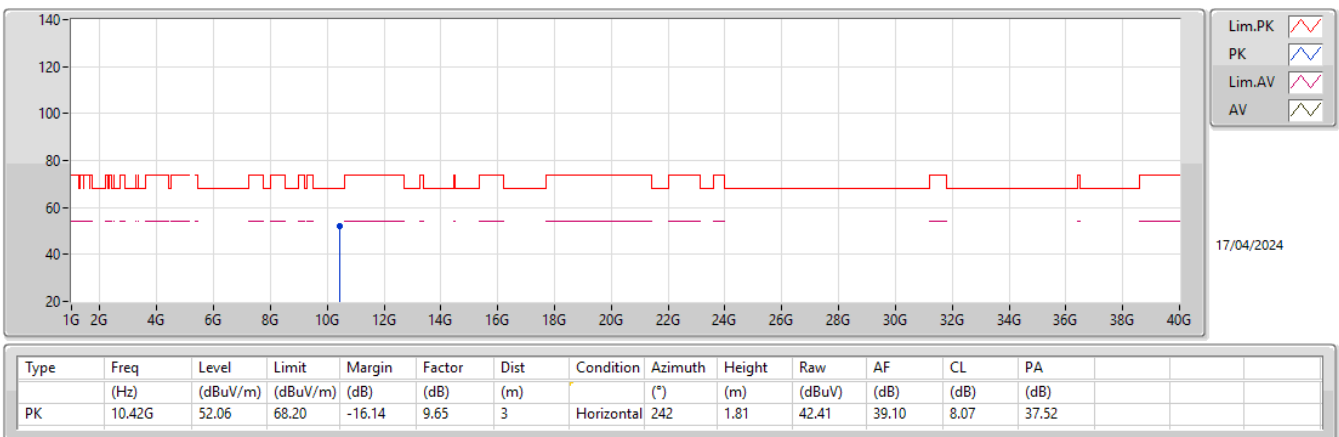
5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX



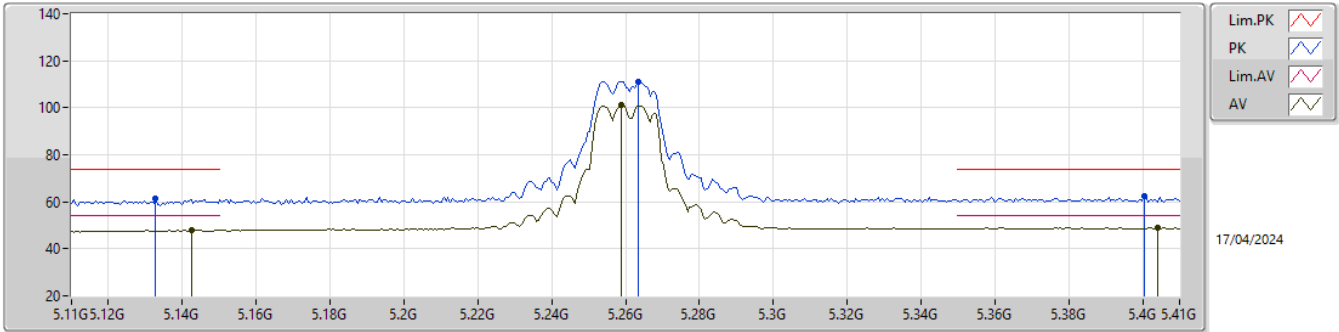
5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX



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

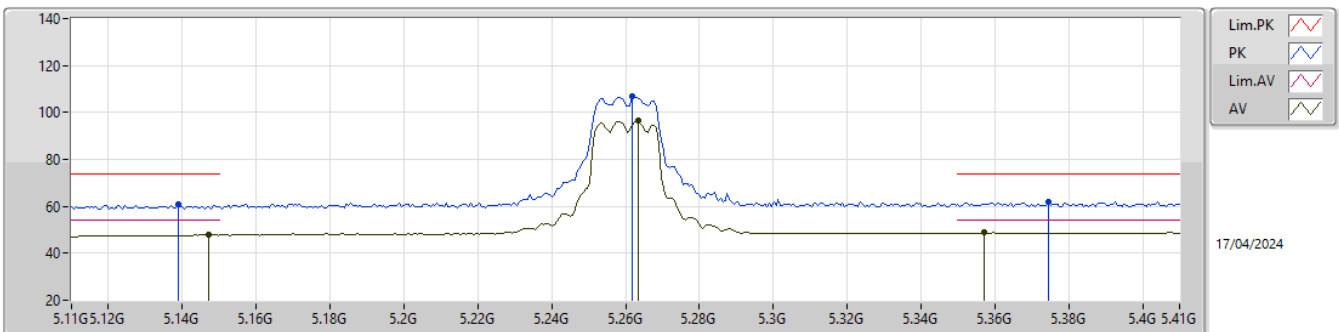
5260MHz_TX



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	47.92	54.00	-6.08	1.62	3	Vertical	148	1.06	46.30	33.40	5.46	37.24
AV	5.2588G	101.18	Inf	-Inf	1.34	3	Vertical	148	1.06	99.84	33.08	5.53	37.27
AV	5.404G	48.94	54.00	-5.06	1.31	3	Vertical	148	1.06	47.63	33.01	5.61	37.31
PK	5.1328G	61.16	74.00	-12.84	1.61	3	Vertical	148	1.06	59.55	33.40	5.45	37.24
PK	5.2636G	111.26	Inf	-Inf	1.33	3	Vertical	148	1.06	109.93	33.07	5.53	37.27
PK	5.4004G	62.26	74.00	-11.74	1.30	3	Vertical	148	1.06	60.96	33.00	5.61	37.31

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

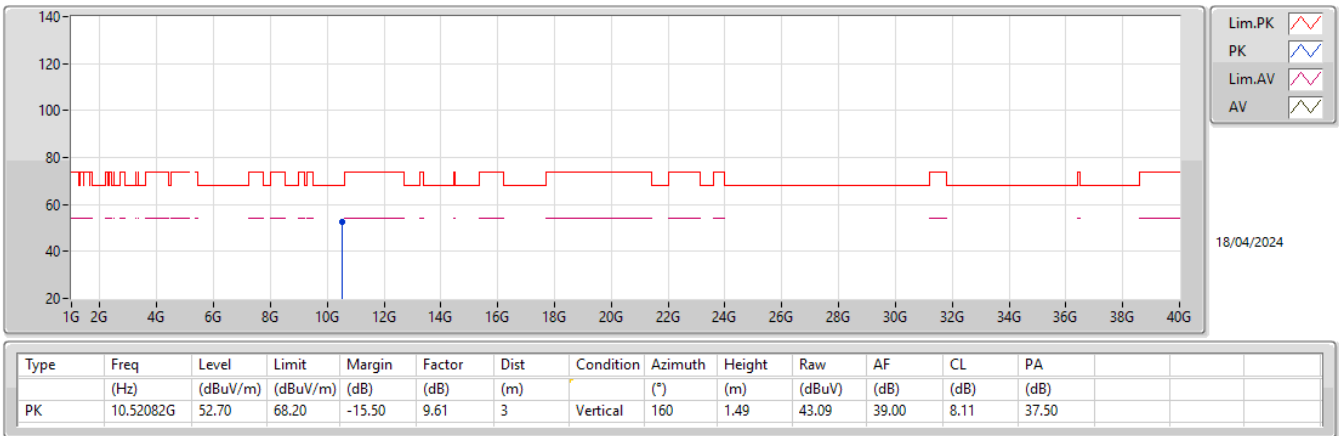
5260MHz_TX



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	5.1472G	47.94	54.00	-6.06	1.62	3	Horizontal	64	2.08	46.32	33.40	5.46	37.24
AV	5.2636G	96.32	Inf	-Inf	1.33	3	Horizontal	64	2.08	94.99	33.07	5.53	37.27
AV	5.3572G	48.88	54.00	-5.12	1.28	3	Horizontal	64	2.08	47.60	33.00	5.58	37.30
PK	5.1388G	60.81	74.00	-13.19	1.62	3	Horizontal	64	2.08	59.19	33.40	5.46	37.24
PK	5.2618G	106.72	Inf	-Inf	1.34	3	Horizontal	64	2.08	105.38	33.08	5.53	37.27
PK	5.3746G	62.07	74.00	-11.93	1.29	3	Horizontal	64	2.08	60.78	33.00	5.59	37.30

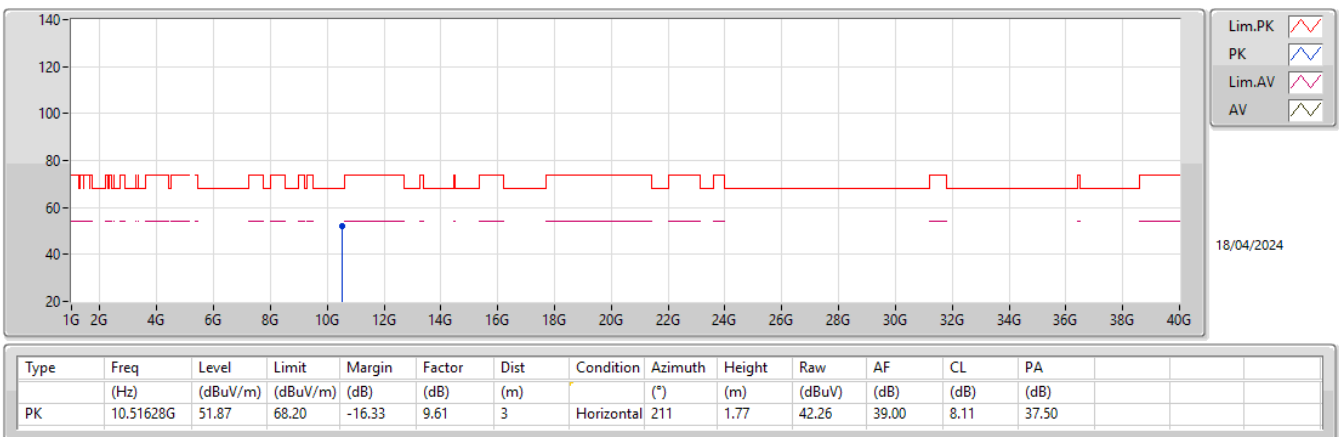
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX



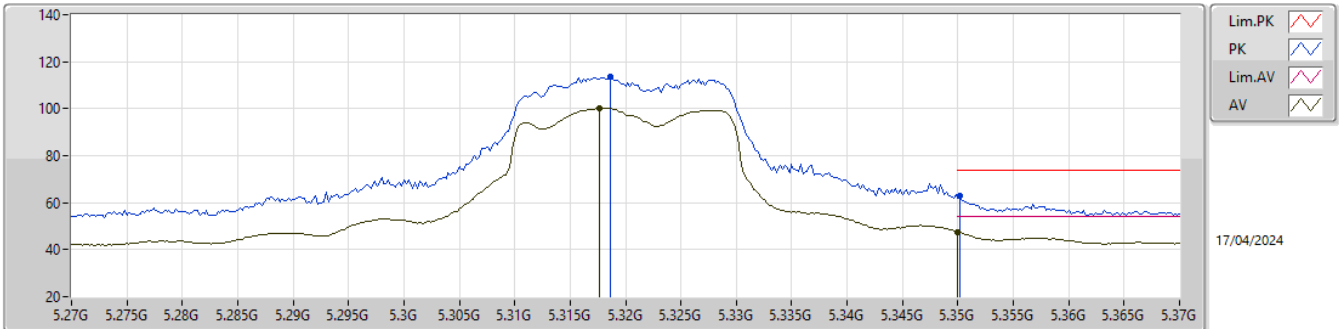
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX



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

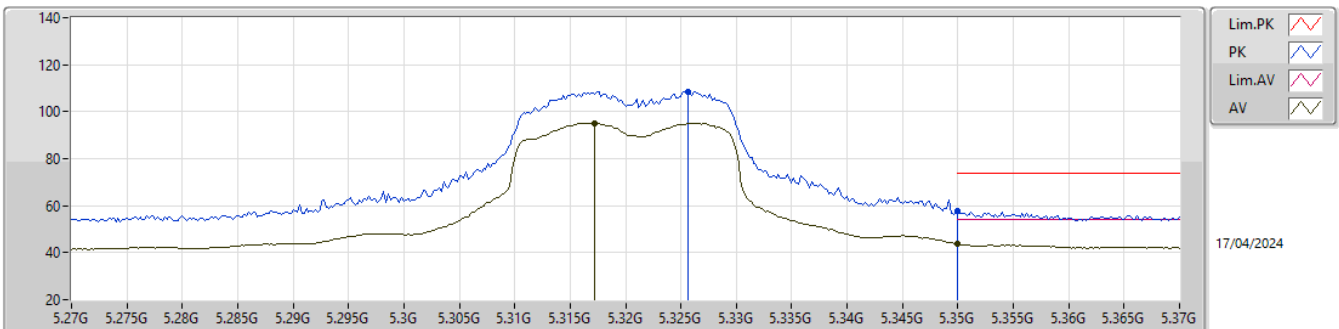
5320MHz_TX



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	5.3176G	100.17	Inf	-Inf	1.27	3	Vertical	146	1.06	98.90	33.00	5.56	37.29
AV	5.35G	47.50	54.00	-6.50	1.28	3	Vertical	146	1.06	46.22	33.00	5.58	37.30
PK	5.3186G	113.65	Inf	-Inf	1.27	3	Vertical	146	1.06	112.38	33.00	5.56	37.29
PK	5.3502G	62.78	74.00	-11.22	1.28	3	Vertical	146	1.06	61.50	33.00	5.58	37.30

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

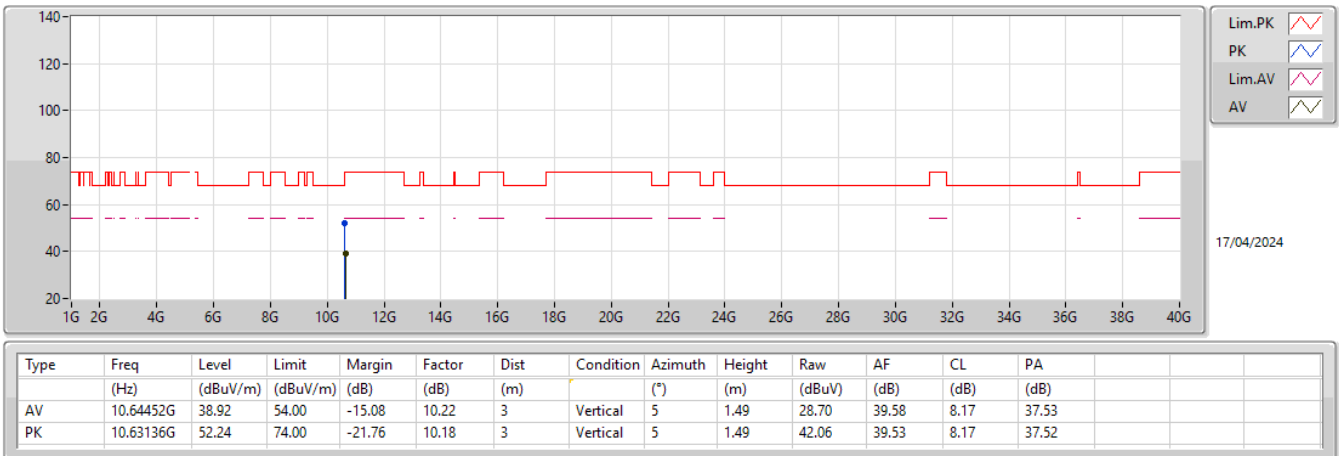
5320MHz_TX



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	5.3172G	95.14	Inf	-Inf	1.27	3	Horizontal	65	2.09	93.87	33.00	5.56	37.29
AV	5.35G	43.70	54.00	-10.30	1.28	3	Horizontal	65	2.09	42.42	33.00	5.58	37.30
PK	5.3256G	108.52	Inf	-Inf	1.28	3	Horizontal	65	2.09	107.24	33.00	5.57	37.29
PK	5.35G	57.55	74.00	-16.45	1.28	3	Horizontal	65	2.09	56.27	33.00	5.58	37.30

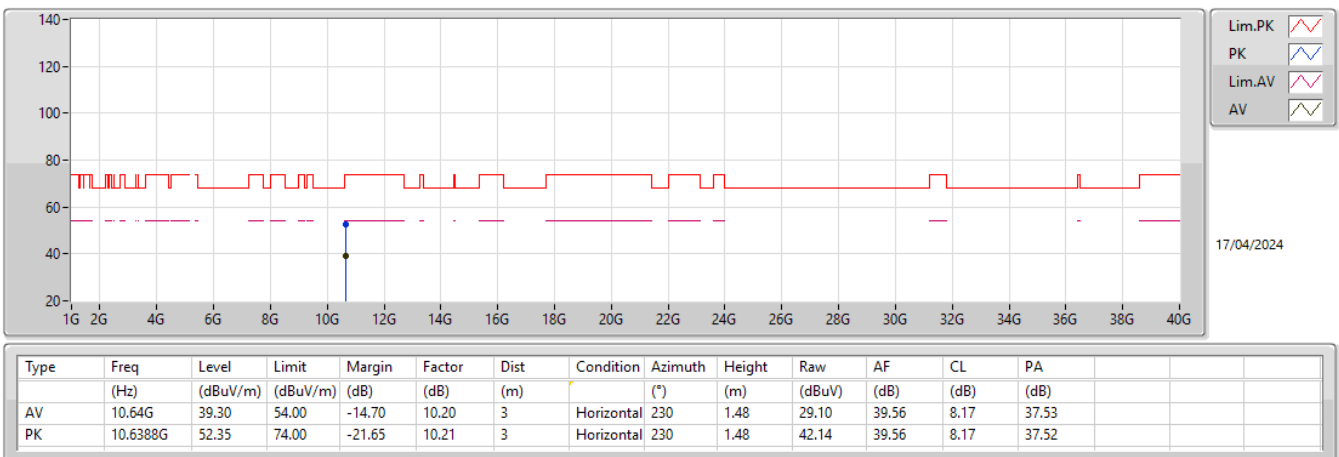
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TX



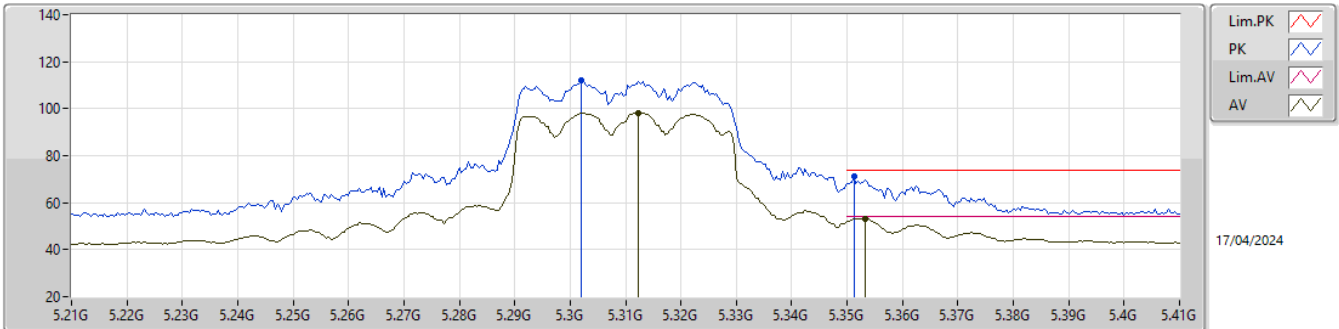
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TX



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

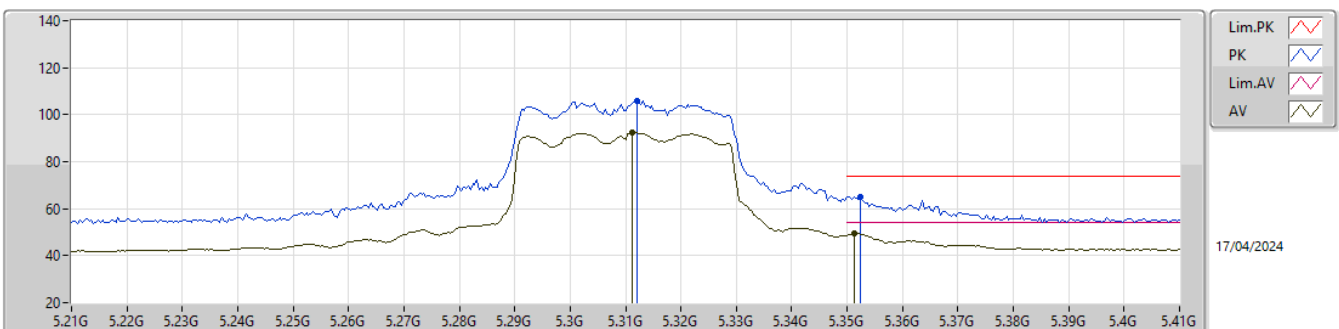
5310MHz_TX



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	5.3124G	98.25	Inf	-Inf	1.27	3	Vertical	145	1.00	96.98	33.00	5.56	37.29
AV	5.3532G	53.36	54.00	-0.64	1.28	3	Vertical	145	1.00	52.08	33.00	5.58	37.30
PK	5.302G	112.21	Inf	-Inf	1.27	3	Vertical	145	1.00	110.94	33.00	5.55	37.28
PK	5.3512G	70.97	74.00	-3.03	1.28	3	Vertical	145	1.00	69.69	33.00	5.58	37.30

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

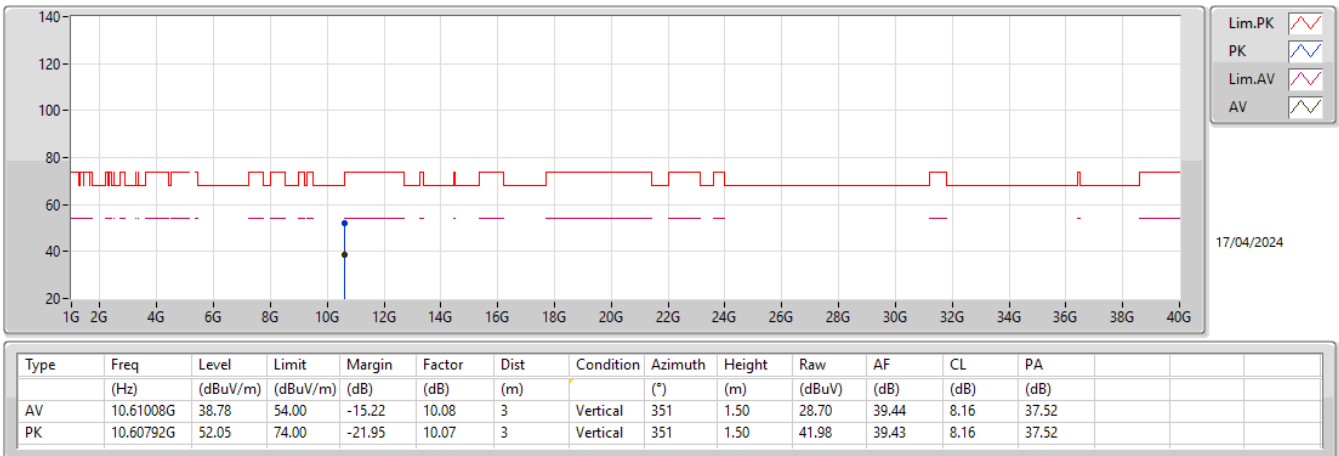
5310MHz_TX



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	5.3112G	92.57	Inf	-Inf	1.27	3	Horizontal	61	1.99	91.30	33.00	5.56	37.29
AV	5.3512G	49.55	54.00	-4.45	1.28	3	Horizontal	61	1.99	48.27	33.00	5.58	37.30
PK	5.312G	105.68	Inf	-Inf	1.27	3	Horizontal	61	1.99	104.41	33.00	5.56	37.29
PK	5.3524G	65.11	74.00	-8.89	1.28	3	Horizontal	61	1.99	63.83	33.00	5.58	37.30

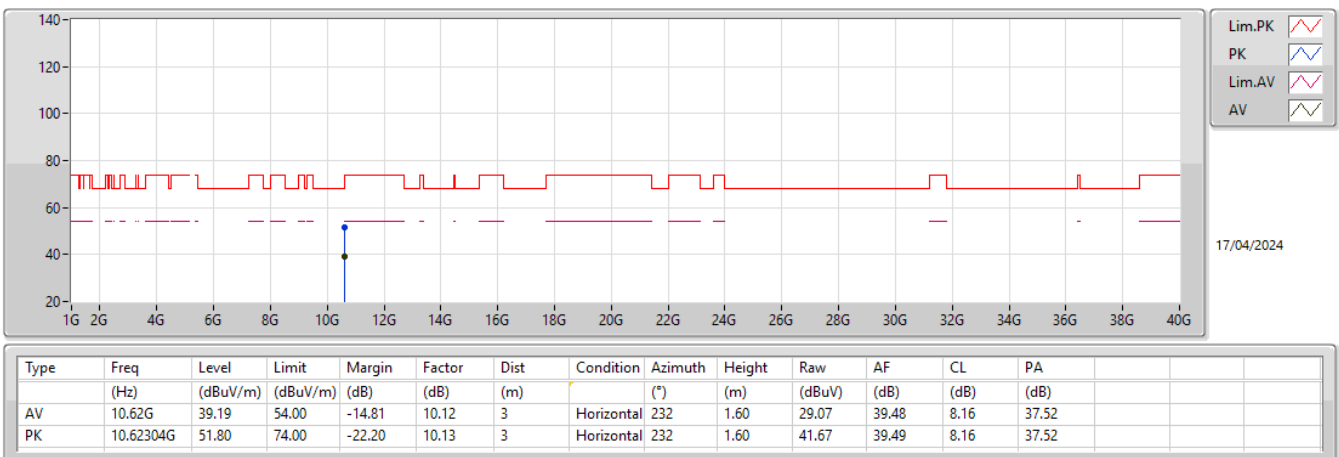
5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TX



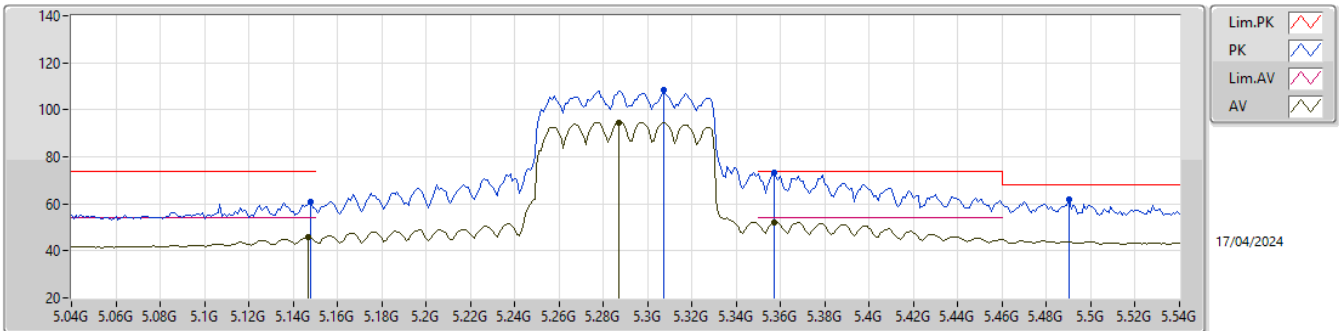
5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TX



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

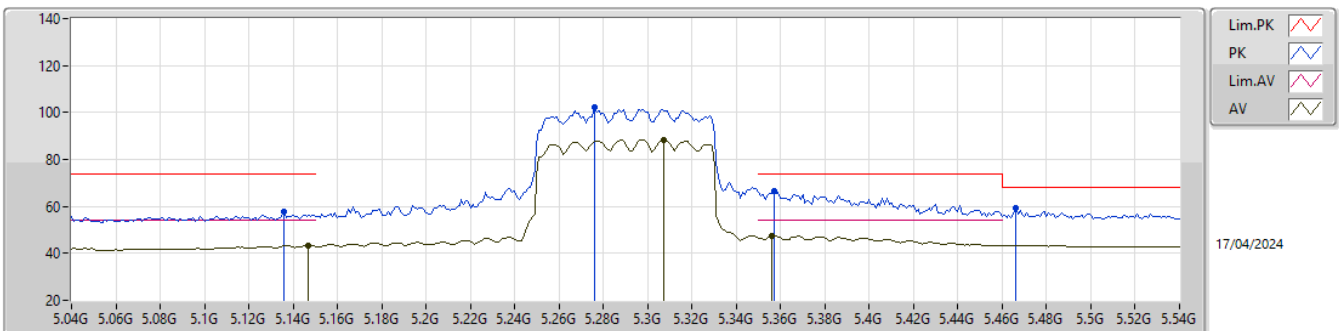
5290MHz_TX



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	45.80	54.00	-8.20	1.62	3	Vertical	145	1.00	44.18	33.40	5.46	37.24
AV	5.287G	94.67	Inf	-Inf	1.29	3	Vertical	145	1.00	93.38	33.03	5.54	37.28
AV	5.357G	52.16	54.00	-1.84	1.28	3	Vertical	145	1.00	50.88	33.00	5.58	37.30
PK	5.148G	61.06	74.00	-12.94	1.62	3	Vertical	145	1.00	59.44	33.40	5.46	37.24
PK	5.307G	108.27	Inf	-Inf	1.26	3	Vertical	145	1.00	107.01	33.00	5.55	37.29
PK	5.357G	73.04	74.00	-0.96	1.28	3	Vertical	145	1.00	71.76	33.00	5.58	37.30
PK	5.49G	61.92	68.20	-6.28	1.49	3	Vertical	145	1.00	60.43	33.18	5.65	37.34

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

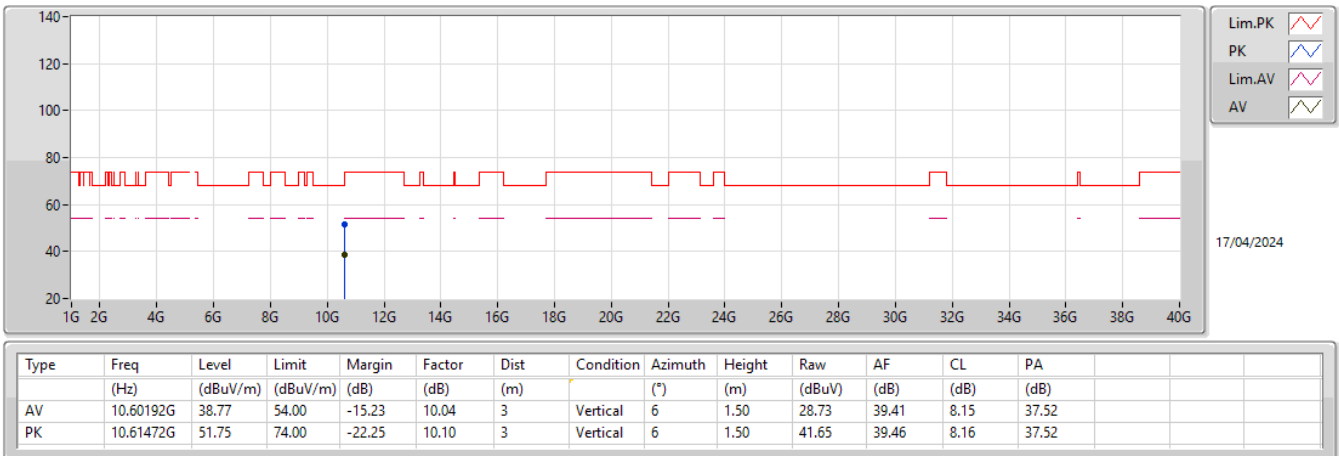
5290MHz_TX



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	43.50	54.00	-10.50	1.62	3	Horizontal	59	1.99	41.88	33.40	5.46	37.24
AV	5.307G	88.47	Inf	-Inf	1.26	3	Horizontal	59	1.99	87.21	33.00	5.55	37.29
AV	5.356G	47.33	54.00	-6.67	1.28	3	Horizontal	59	1.99	46.05	33.00	5.58	37.30
PK	5.136G	57.80	74.00	-16.20	1.61	3	Horizontal	59	1.99	56.19	33.40	5.45	37.24
PK	5.276G	102.31	Inf	-Inf	1.31	3	Horizontal	59	1.99	101.00	33.05	5.54	37.28
PK	5.357G	66.57	74.00	-7.43	1.28	3	Horizontal	59	1.99	65.29	33.00	5.58	37.30
PK	5.466G	59.24	68.20	-8.96	1.44	3	Horizontal	59	1.99	57.80	33.13	5.64	37.33

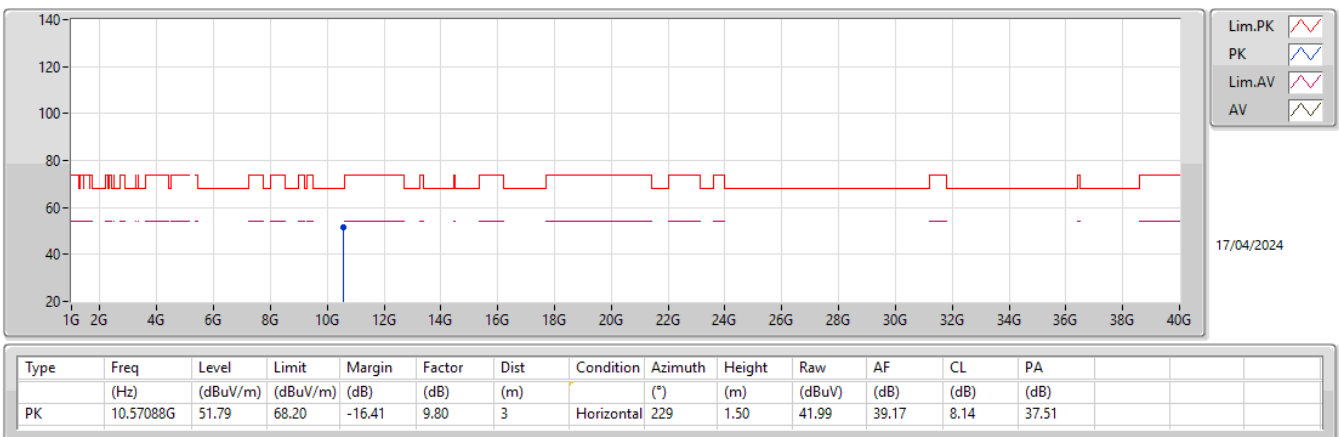
5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TX



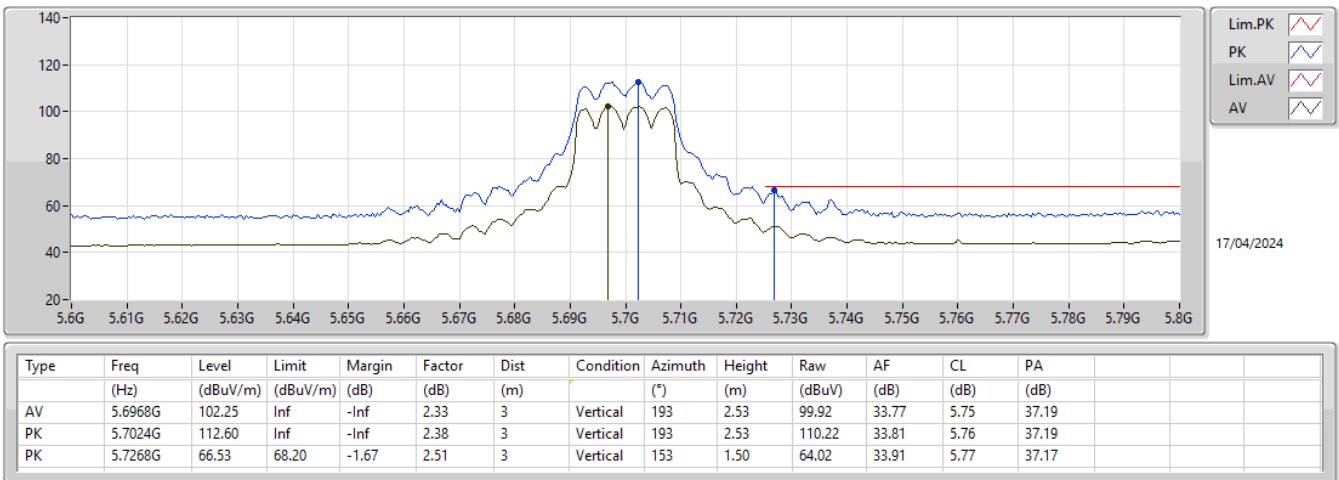
5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TX



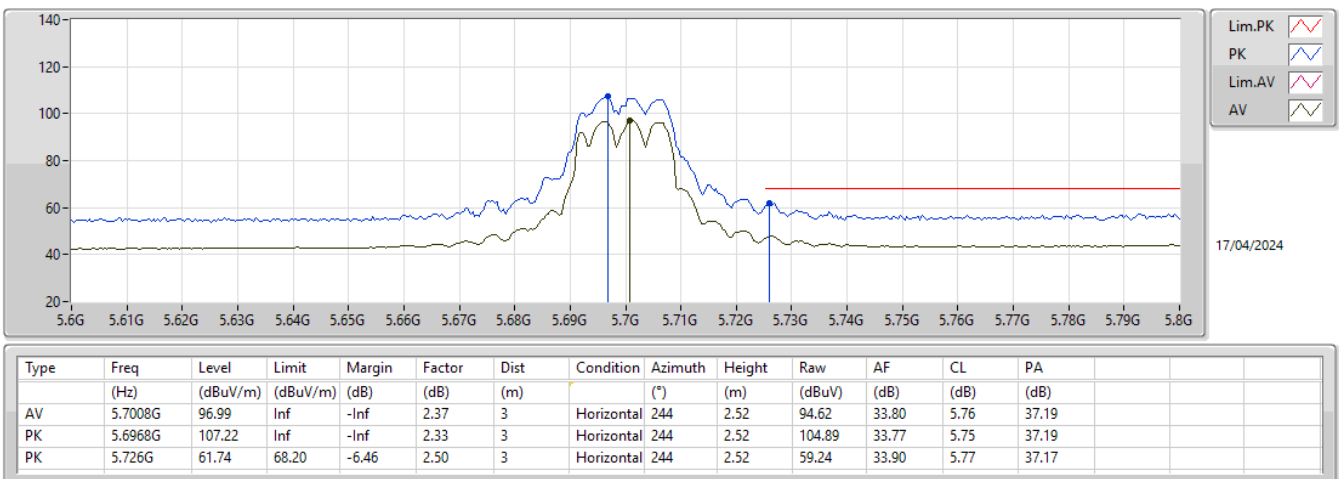
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



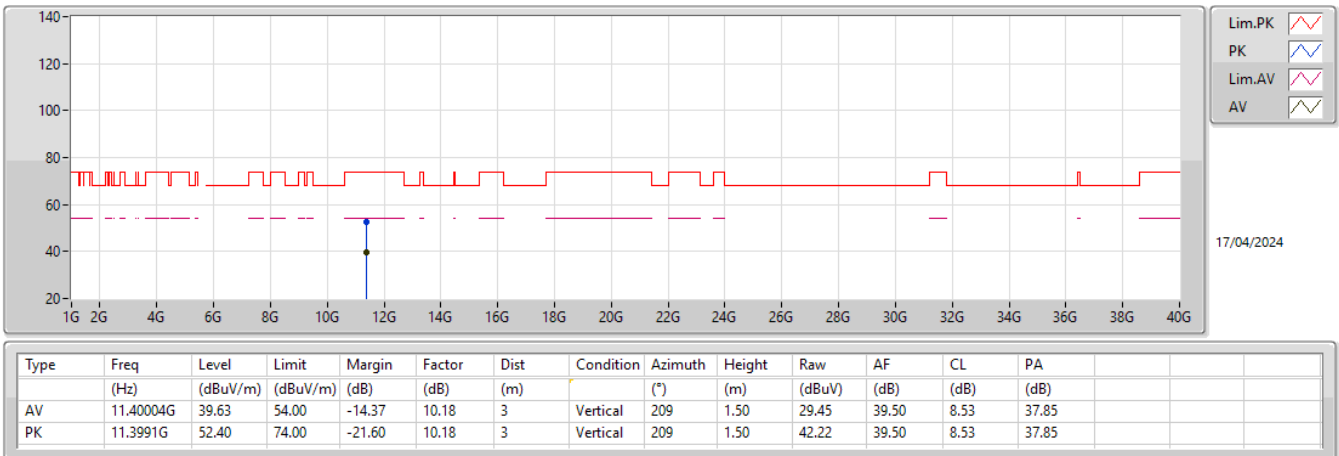
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



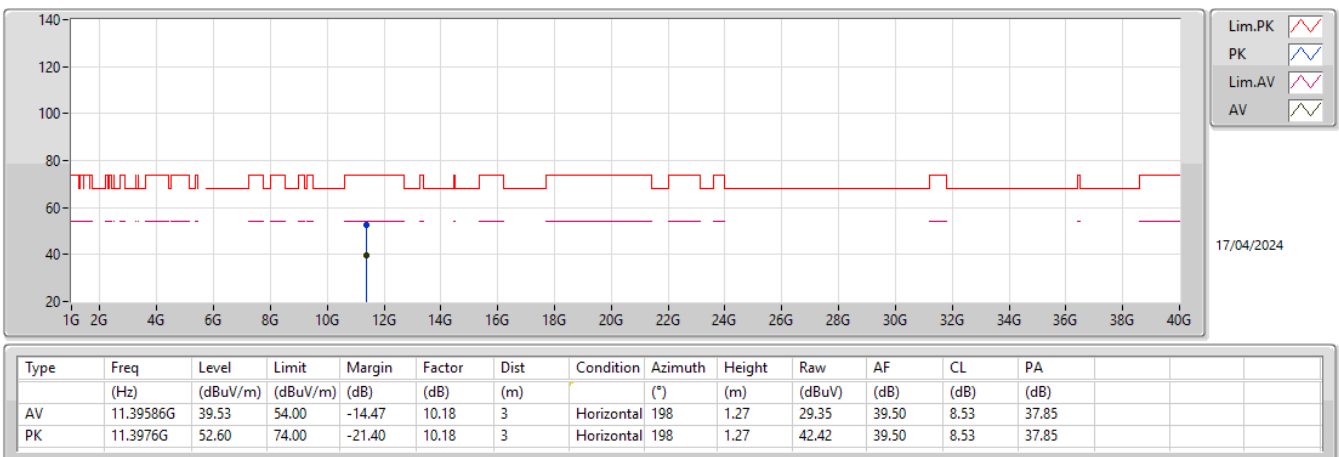
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



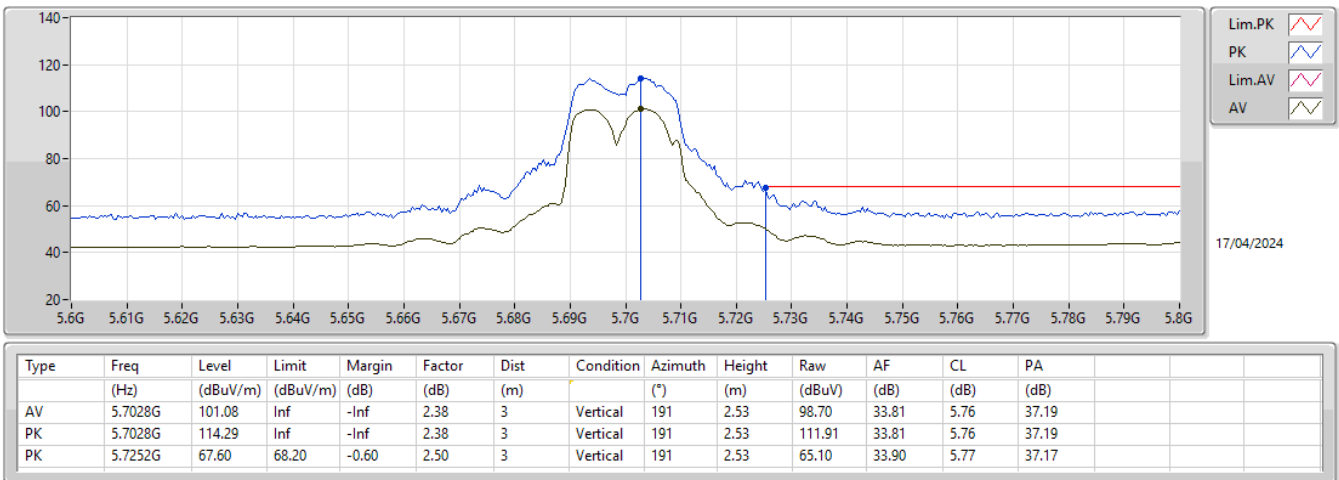
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



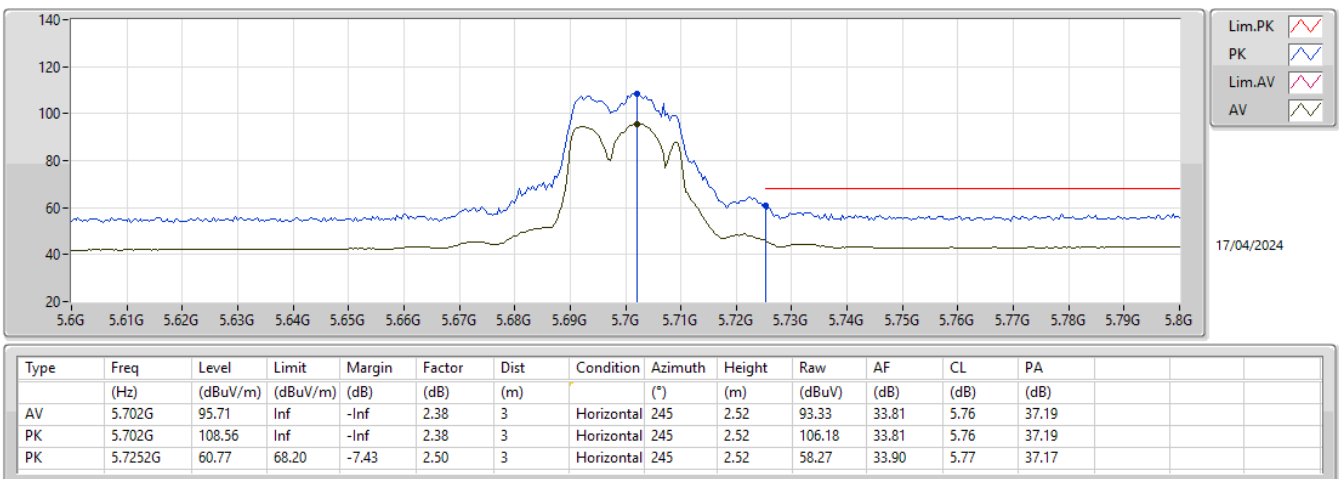
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz_TX



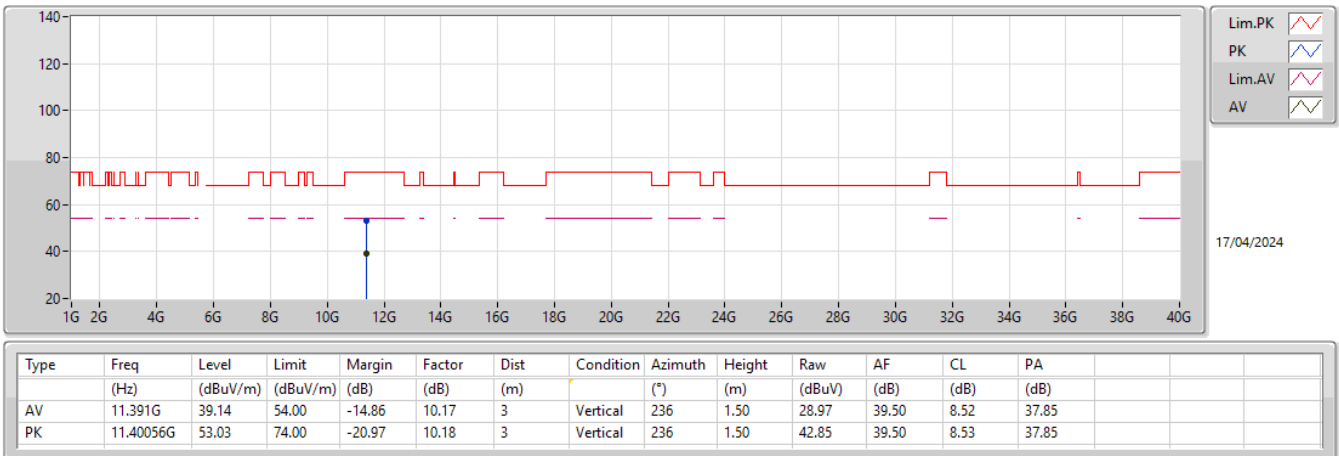
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz_TX



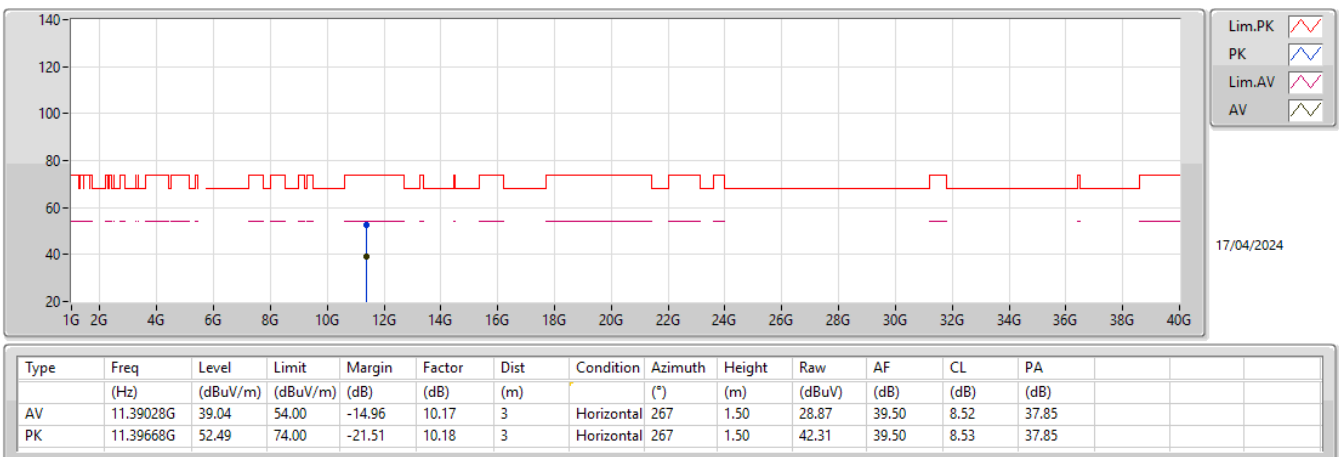
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz_TX



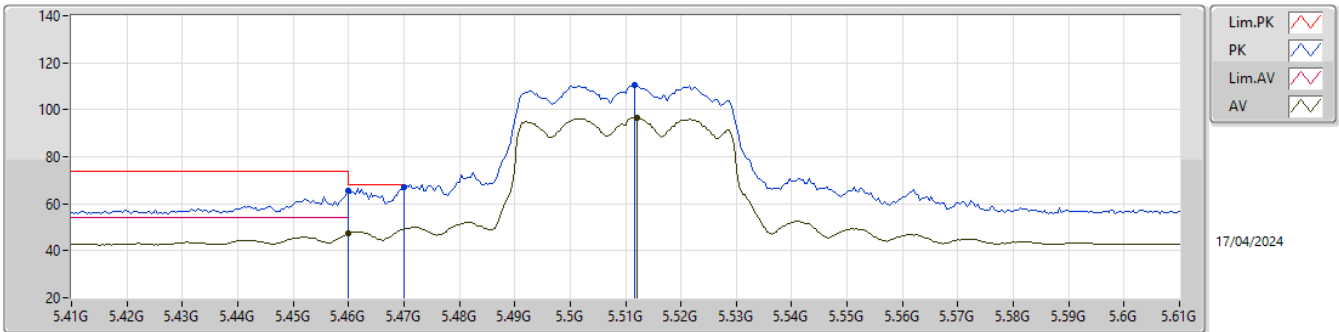
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz_TX



5.47-5.725GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

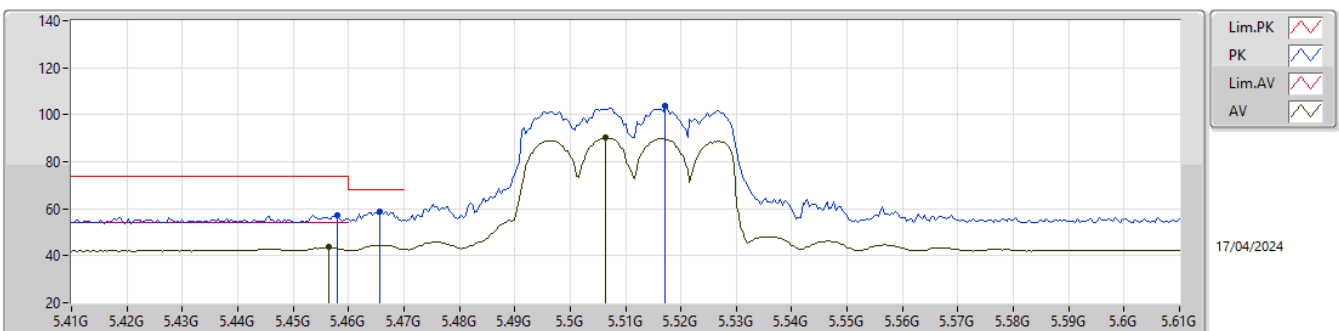
5510MHz_TX



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	47.22	54.00	-6.78	1.43	3	Vertical	142	1.50	45.79	33.12	5.64	37.33
AV	5.512G	96.48	Inf	-Inf	1.51	3	Vertical	142	1.50	94.97	33.18	5.66	37.33
PK	5.46G	65.76	74.00	-8.24	1.43	3	Vertical	142	1.50	64.33	33.12	5.64	37.33
PK	5.47G	67.17	68.20	-1.03	1.45	3	Vertical	142	1.50	65.72	33.14	5.64	37.33
PK	5.5116G	110.74	Inf	-Inf	1.51	3	Vertical	142	1.50	109.23	33.18	5.66	37.33

5.47-5.725GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

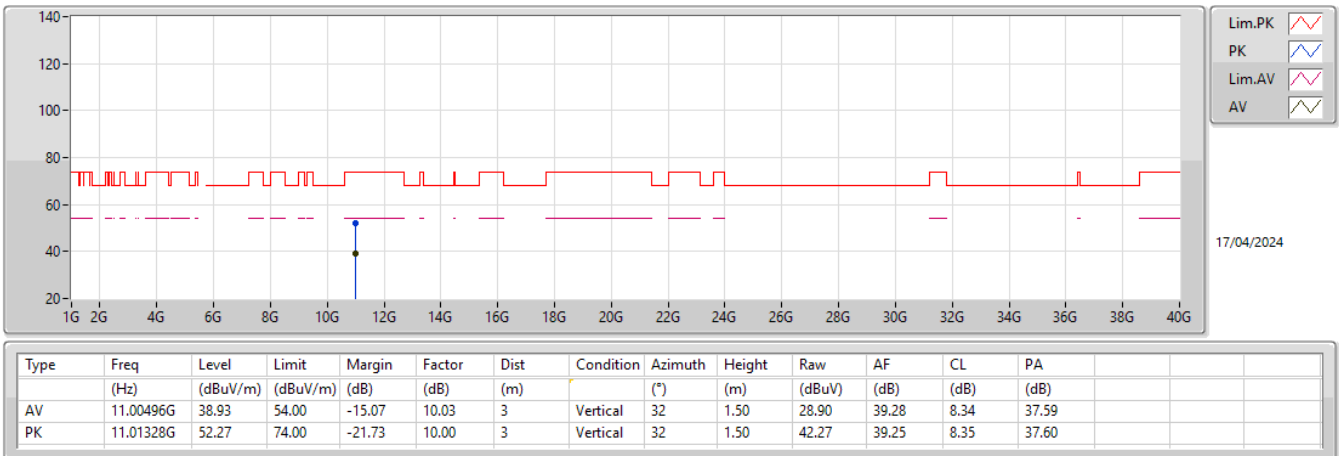
5510MHz_TX



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	5.4564G	43.70	54.00	-10.30	1.42	3	Horizontal	262	1.50	42.28	33.11	5.64	37.33
AV	5.5064G	90.14	Inf	-Inf	1.51	3	Horizontal	262	1.50	88.63	33.19	5.66	37.34
PK	5.458G	57.08	74.00	-16.92	1.43	3	Horizontal	262	1.50	55.65	33.12	5.64	37.33
PK	5.4656G	58.57	68.20	-9.63	1.44	3	Horizontal	262	1.50	57.13	33.13	5.64	37.33
PK	5.5172G	103.67	Inf	-Inf	1.50	3	Horizontal	262	1.50	102.17	33.17	5.66	37.33

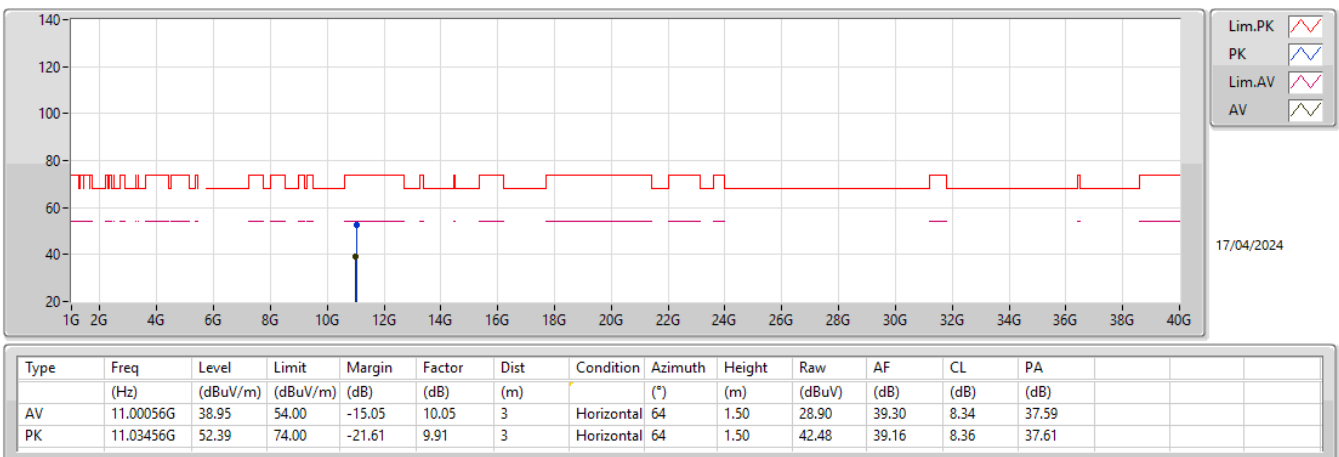
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5510MHz_TX



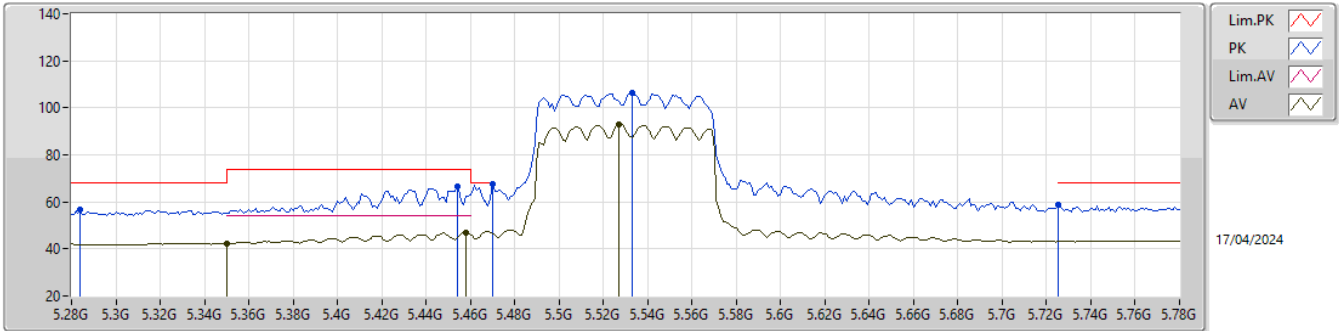
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5510MHz_TX



5.47-5.725GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

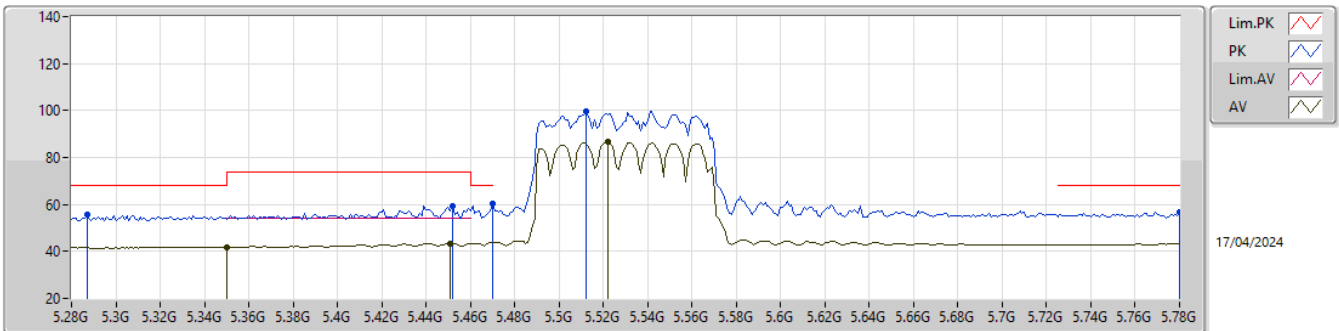
5530MHz_TX



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	5.35G	42.44	54.00	-11.56	1.28	3	Vertical	145	1.50	41.16	33.00	5.58	37.30
AV	5.458G	46.96	54.00	-7.04	1.43	3	Vertical	145	1.50	45.53	33.12	5.64	37.33
AV	5.527G	92.82	Inf	-Inf	1.50	3	Vertical	145	1.50	91.32	33.15	5.67	37.32
PK	5.284G	56.48	68.20	-11.72	1.29	3	Vertical	145	1.50	55.19	33.03	5.54	37.28
PK	5.454G	66.66	74.00	-7.34	1.41	3	Vertical	145	1.50	65.25	33.11	5.63	37.33
PK	5.47G	67.64	68.20	-0.56	1.45	3	Vertical	145	1.50	66.19	33.14	5.64	37.33
PK	5.533G	106.55	Inf	-Inf	1.48	3	Vertical	145	1.50	105.07	33.13	5.67	37.32
PK	5.725G	58.68	68.20	-9.52	2.50	3	Vertical	145	1.50	56.18	33.90	5.77	37.17

5.47-5.725GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

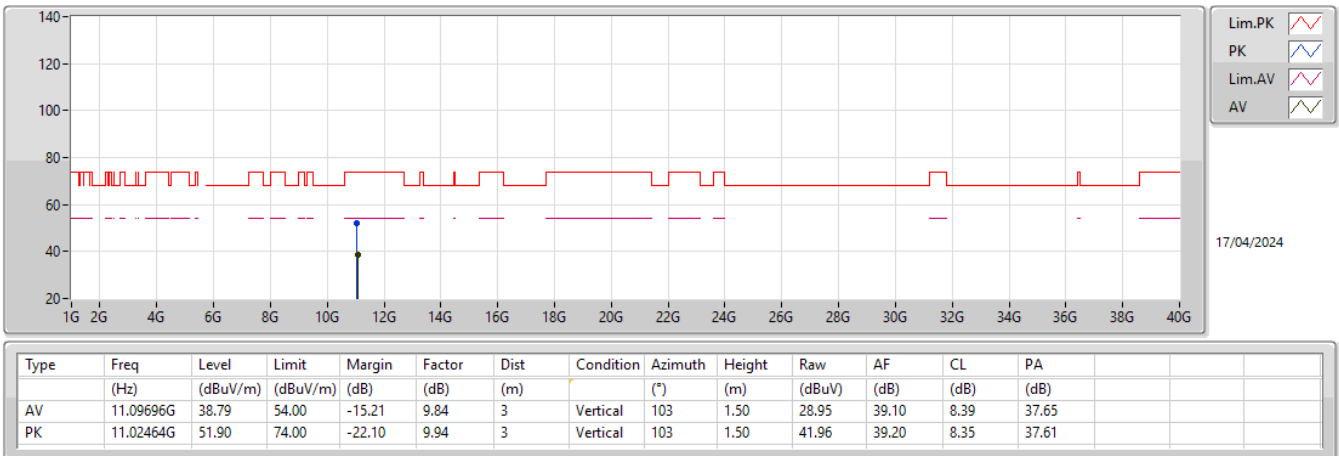
5530MHz_TX



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	5.35G	41.75	54.00	-12.25	1.28	3	Horizontal	261	1.50	40.47	33.00	5.58	37.30
AV	5.451G	43.50	54.00	-10.50	1.40	3	Horizontal	261	1.50	42.10	33.10	5.63	37.33
AV	5.522G	86.58	Inf	-Inf	1.50	3	Horizontal	261	1.50	85.08	33.16	5.66	37.32
PK	5.287G	55.78	68.20	-12.42	1.29	3	Horizontal	261	1.50	54.49	33.03	5.54	37.28
PK	5.452G	59.17	74.00	-14.83	1.40	3	Horizontal	261	1.50	57.77	33.10	5.63	37.33
PK	5.47G	60.24	68.20	-7.96	1.45	3	Horizontal	261	1.50	58.79	33.14	5.64	37.33
PK	5.512G	99.82	Inf	-Inf	1.51	3	Horizontal	261	1.50	98.31	33.18	5.66	37.33
PK	5.78G	56.89	68.20	-11.31	2.85	3	Horizontal	261	1.50	54.04	34.18	5.80	37.13

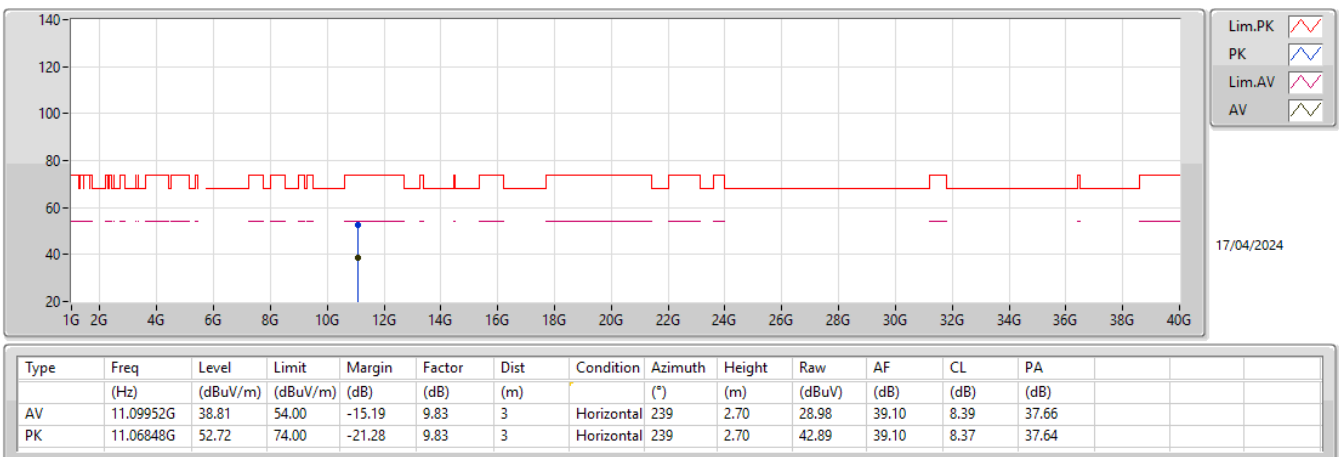
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5530MHz_TX



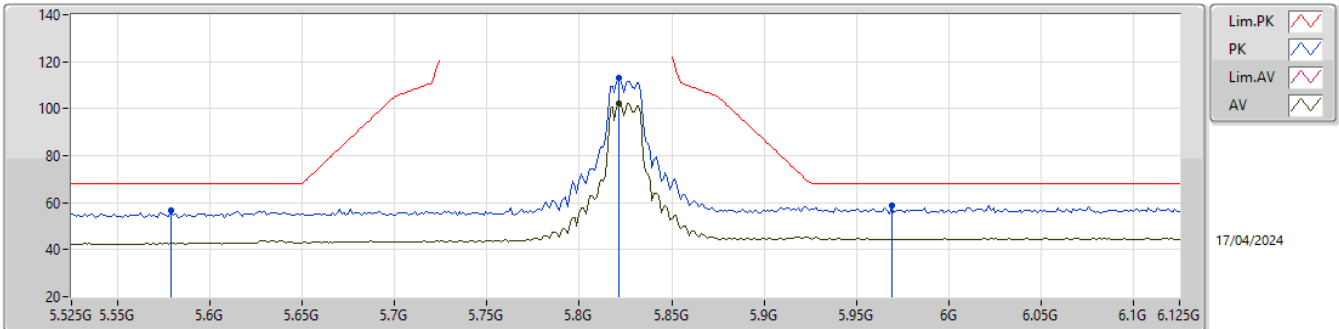
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5530MHz_TX



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

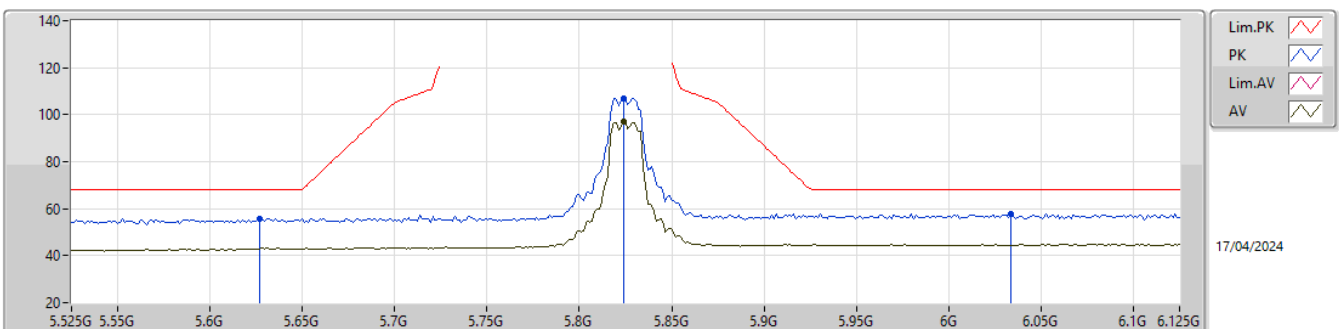
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	5.8214G	102.40	Inf	-Inf	3.02	3	Vertical	189	2.62	99.38	34.30	5.82	37.10
PK	5.579G	56.51	68.20	-11.69	1.57	3	Vertical	189	2.62	54.94	33.16	5.69	37.28
PK	5.8214G	113.05	Inf	-Inf	3.02	3	Vertical	189	2.62	110.03	34.30	5.82	37.10
PK	5.969G	58.82	68.20	-9.38	3.41	3	Vertical	189	2.62	55.41	34.50	5.90	36.99

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

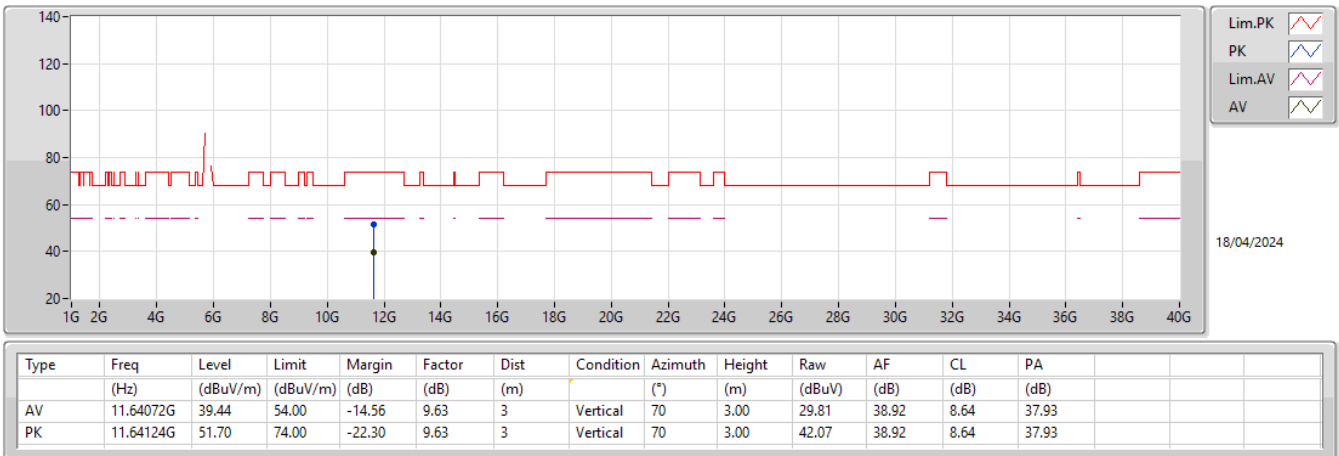
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	5.8238G	96.91	Inf	-Inf	3.02	3	Horizontal	111	2.13	93.89	34.30	5.82	37.10
PK	5.627G	55.82	68.20	-12.38	1.77	3	Horizontal	111	2.13	54.05	33.31	5.71	37.25
PK	5.8238G	107.02	Inf	-Inf	3.02	3	Horizontal	111	2.13	104.00	34.30	5.82	37.10
PK	6.0338G	57.90	68.20	-10.30	3.48	3	Horizontal	111	2.13	54.42	34.50	5.94	36.96

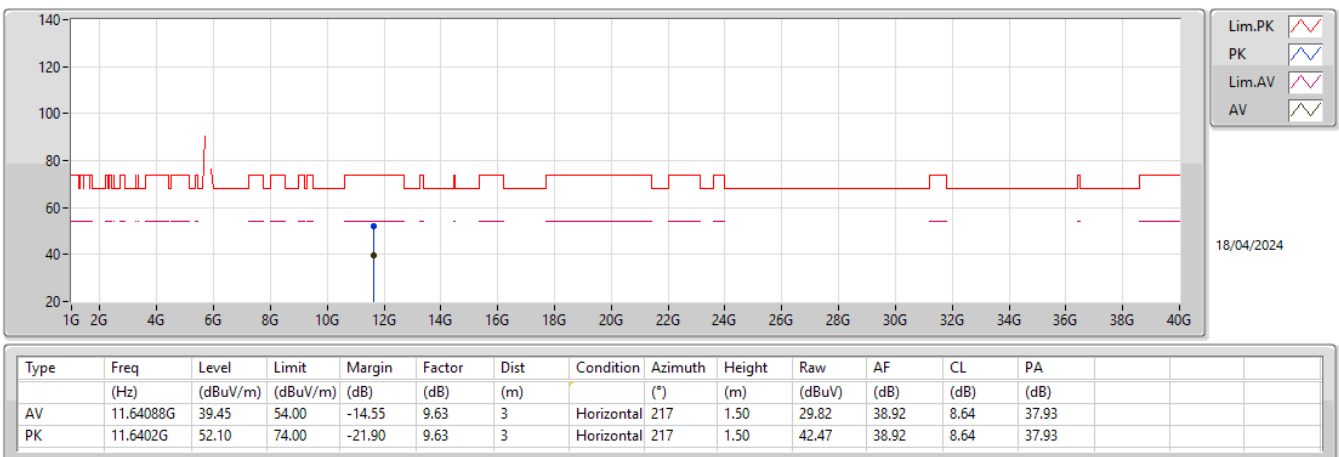
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX



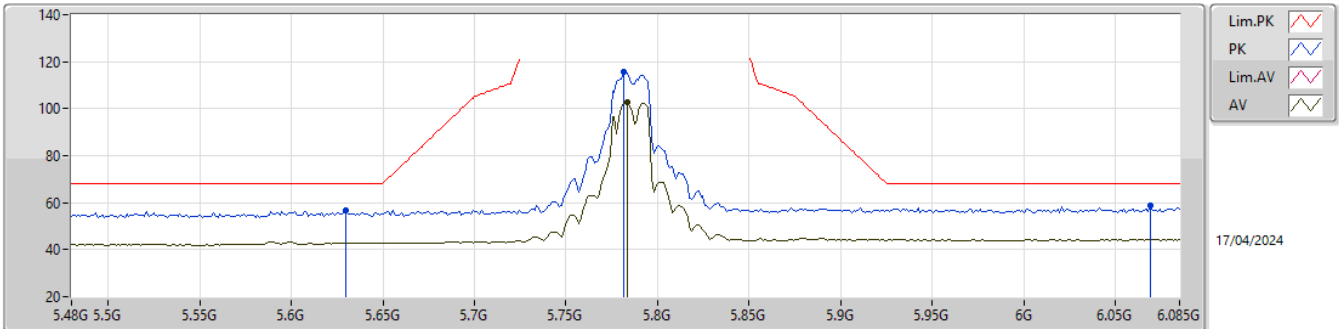
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX



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

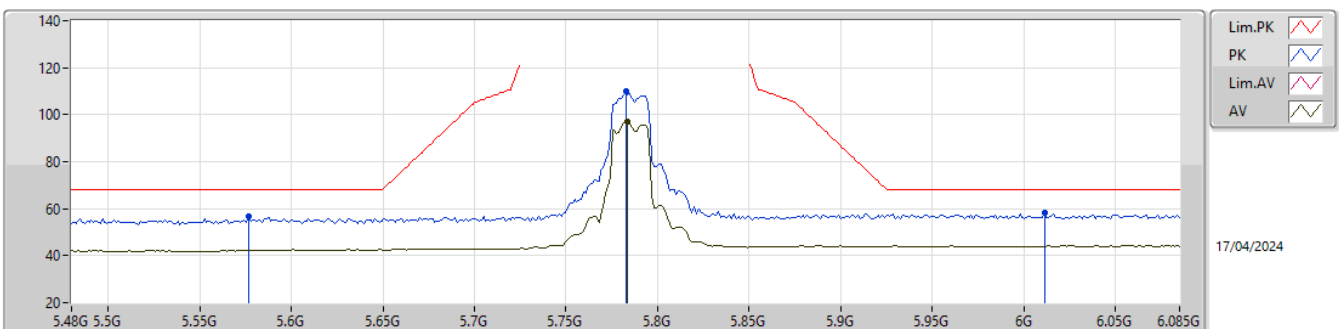
5785MHz_TX



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	5.78371G	102.81	Inf	-Inf	2.87	3	Vertical	189	2.62	99.94	34.20	5.80	37.13
PK	5.63004G	56.63	68.20	-11.57	1.80	3	Vertical	189	2.62	54.83	33.32	5.72	37.24
PK	5.78129G	115.53	Inf	-Inf	2.86	3	Vertical	189	2.62	112.67	34.19	5.80	37.13
PK	6.06927G	58.54	68.20	-9.66	3.47	3	Vertical	189	2.62	55.07	34.46	5.95	36.94

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

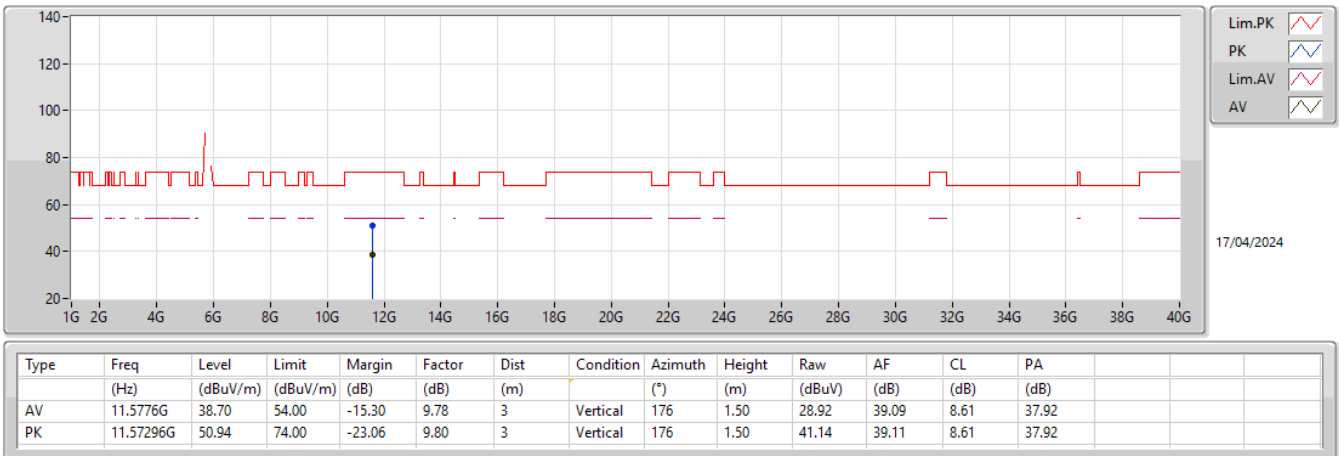
5785MHz_TX



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	5.78371G	97.19	Inf	-Inf	2.87	3	Horizontal	102	2.48	94.32	34.20	5.80	37.13
PK	5.5768G	56.73	68.20	-11.47	1.56	3	Horizontal	102	2.48	55.17	33.15	5.69	37.28
PK	5.7825G	109.91	Inf	-Inf	2.87	3	Horizontal	102	2.48	107.04	34.20	5.80	37.13
PK	6.01119G	58.10	68.20	-10.10	3.46	3	Horizontal	102	2.48	54.64	34.50	5.93	36.97

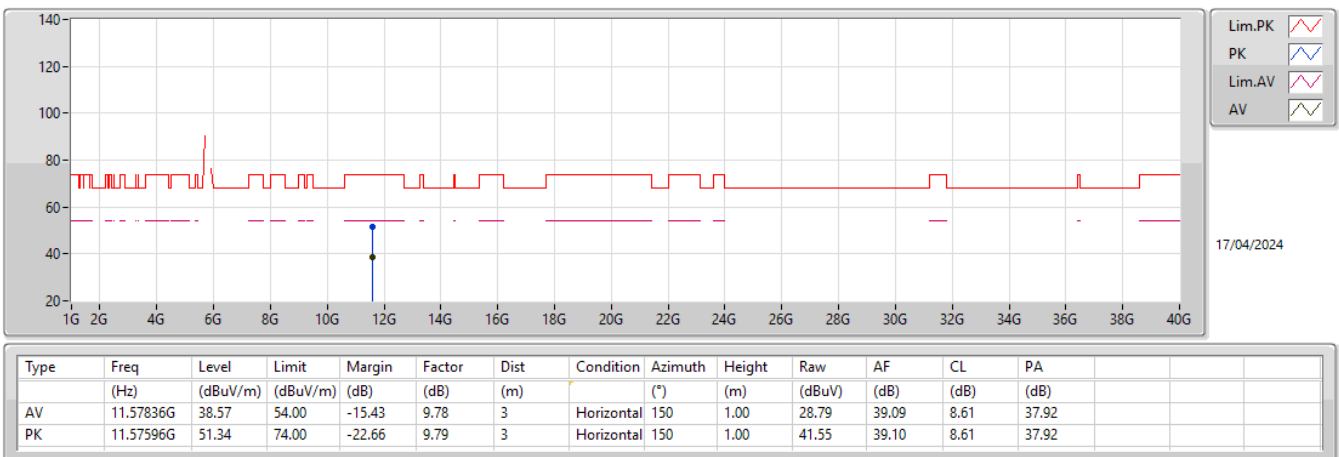
5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX



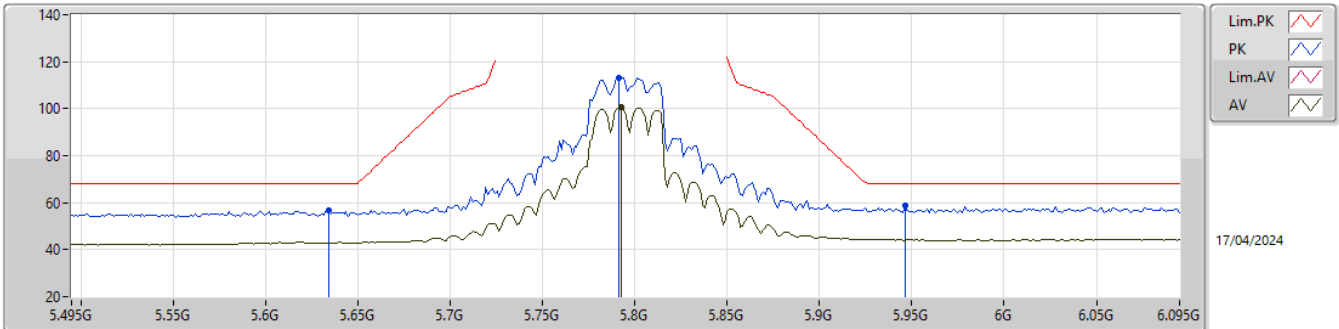
5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX



5.725-5.85GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

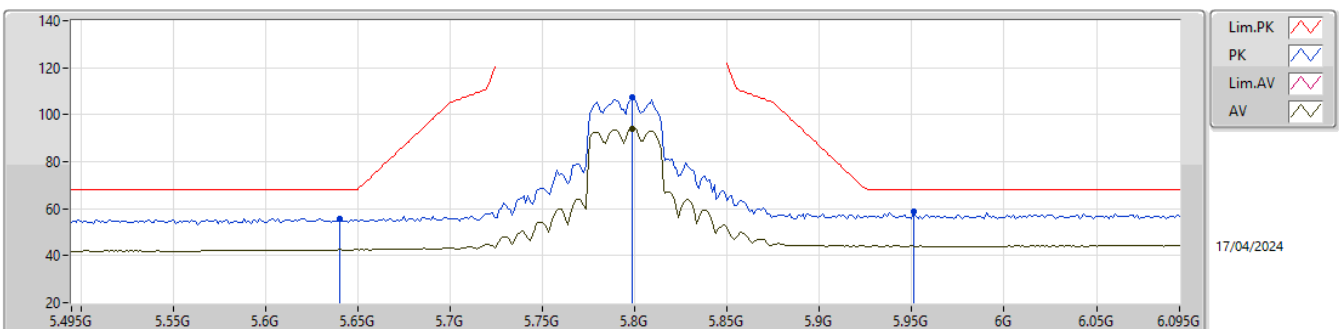
5795MHz_TX



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	5.7926G	100.47	Inf	-Inf	2.95	3	Vertical	187	2.32	97.52	34.26	5.81	37.12
PK	5.6342G	56.79	68.20	-11.41	1.82	3	Vertical	187	2.32	54.97	33.34	5.72	37.24
PK	5.7914G	112.97	Inf	-Inf	2.94	3	Vertical	187	2.32	110.03	34.25	5.81	37.12
PK	5.9462G	58.68	68.20	-9.52	3.38	3	Vertical	187	2.32	55.30	34.50	5.89	37.01

5.725-5.85GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

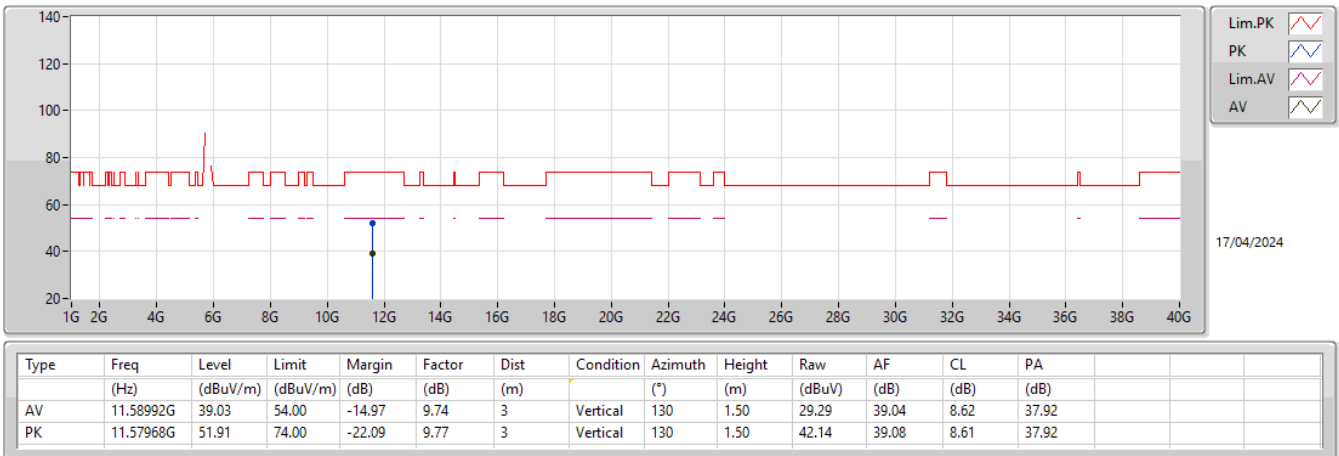
5795MHz_TX



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	5.7986G	94.05	Inf	-Inf	2.98	3	Horizontal	111	2.00	91.07	34.29	5.81	37.12
PK	5.6402G	55.91	68.20	-12.29	1.84	3	Horizontal	111	2.00	54.07	33.36	5.72	37.24
PK	5.7986G	107.33	Inf	-Inf	2.98	3	Horizontal	111	2.00	104.35	34.29	5.81	37.12
PK	5.951G	59.04	68.20	-9.16	3.38	3	Horizontal	111	2.00	55.66	34.50	5.89	37.01

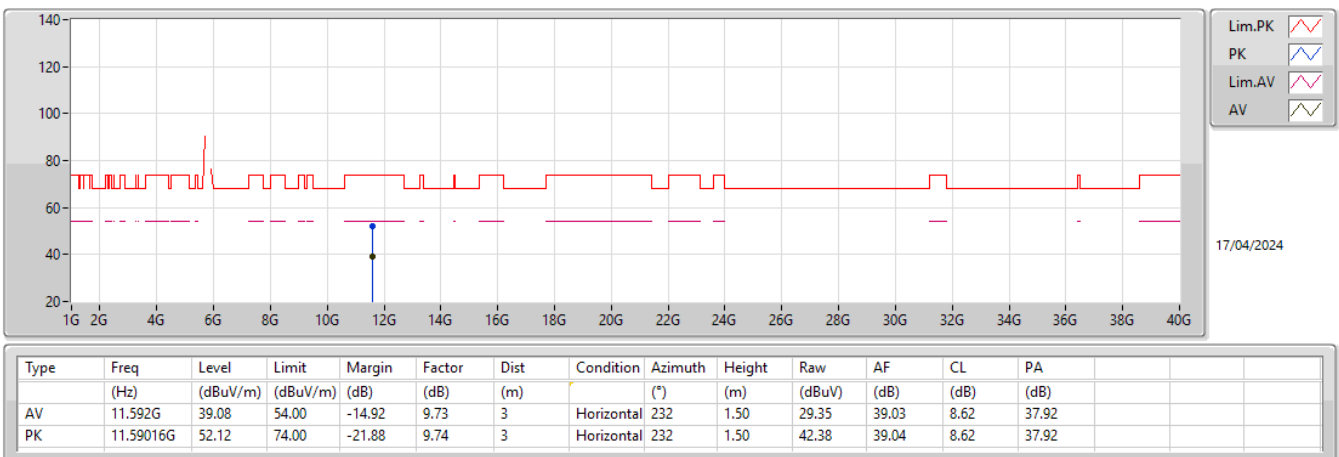
5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX



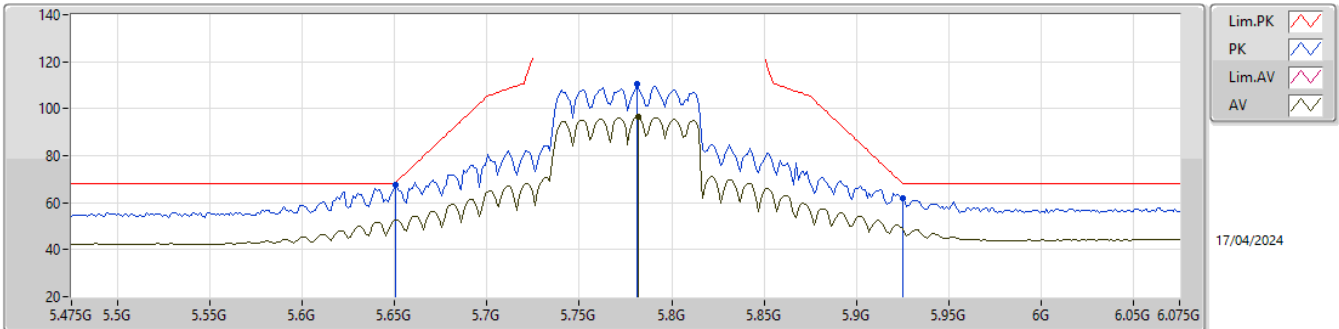
5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX



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

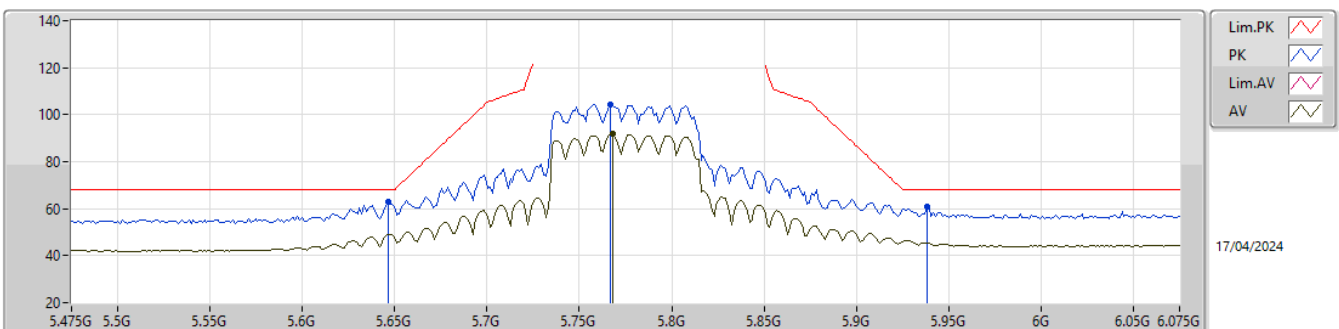
5775MHz_TX



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)
AV	5.7822G	96.60	Inf	-Inf	2.86	3	Vertical	168	2.58	93.74	34.19	5.80	37.13
PK	5.6502G	67.37	68.35	-0.98	1.90	3	Vertical	168	2.58	65.47	33.40	5.73	37.23
PK	5.781G	110.41	Inf	-Inf	2.86	3	Vertical	168	2.58	107.55	34.19	5.80	37.13
PK	5.925G	61.97	68.20	-6.23	3.35	3	Vertical	168	2.58	58.62	34.50	5.88	37.03

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

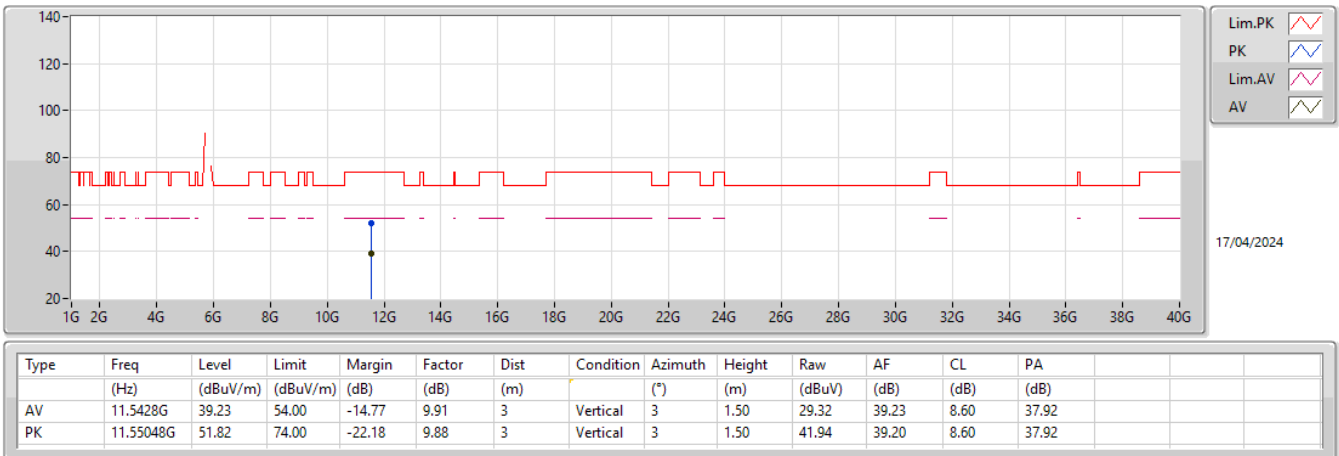
5775MHz_TX



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)
AV	5.7678G	91.87	Inf	-Inf	2.76	3	Horizontal	118	2.43	89.11	34.11	5.79	37.14
PK	5.6466G	62.83	68.20	-5.37	1.89	3	Horizontal	118	2.43	60.94	33.39	5.73	37.23
PK	5.7666G	104.55	Inf	-Inf	2.75	3	Horizontal	118	2.43	101.80	34.10	5.79	37.14
PK	5.9382G	60.77	68.20	-7.43	3.37	3	Horizontal	118	2.43	57.40	34.50	5.89	37.02

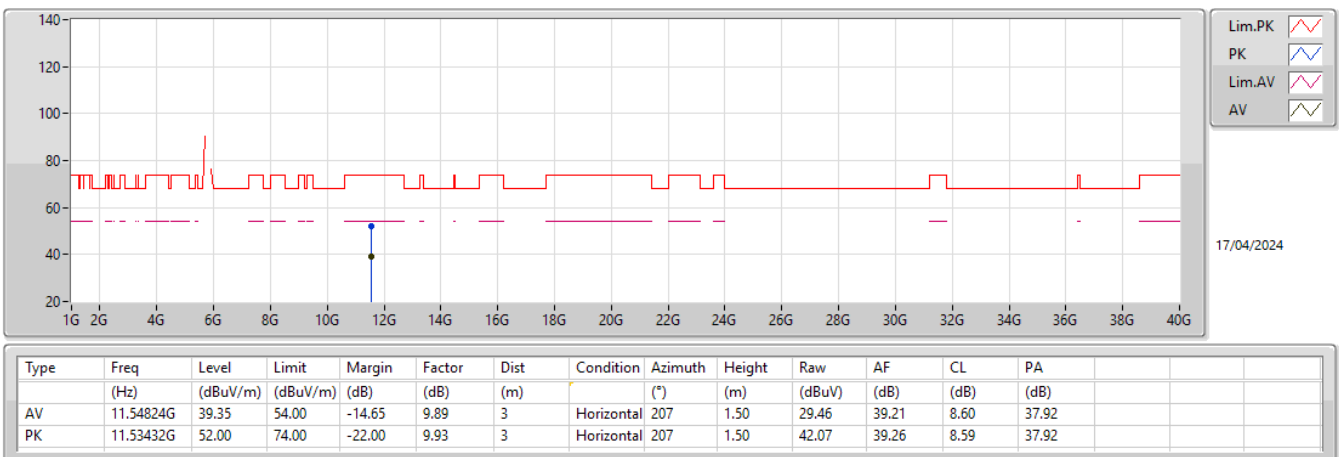
5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX



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

5775MHz_TX





MAX. E.I.R.P. At Any Elevation Angle Above 30 Degrees Result Appendix F

Summary

Mode	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.74	0.11858
802.11ax HEW20_Nss1,(MCS0)_2TX	20.71	0.11776
802.11ax HEW40_Nss1,(MCS0)_2TX	20.48	0.11169
802.11ax HEW80_Nss1,(MCS0)_2TX	17.82	0.06053



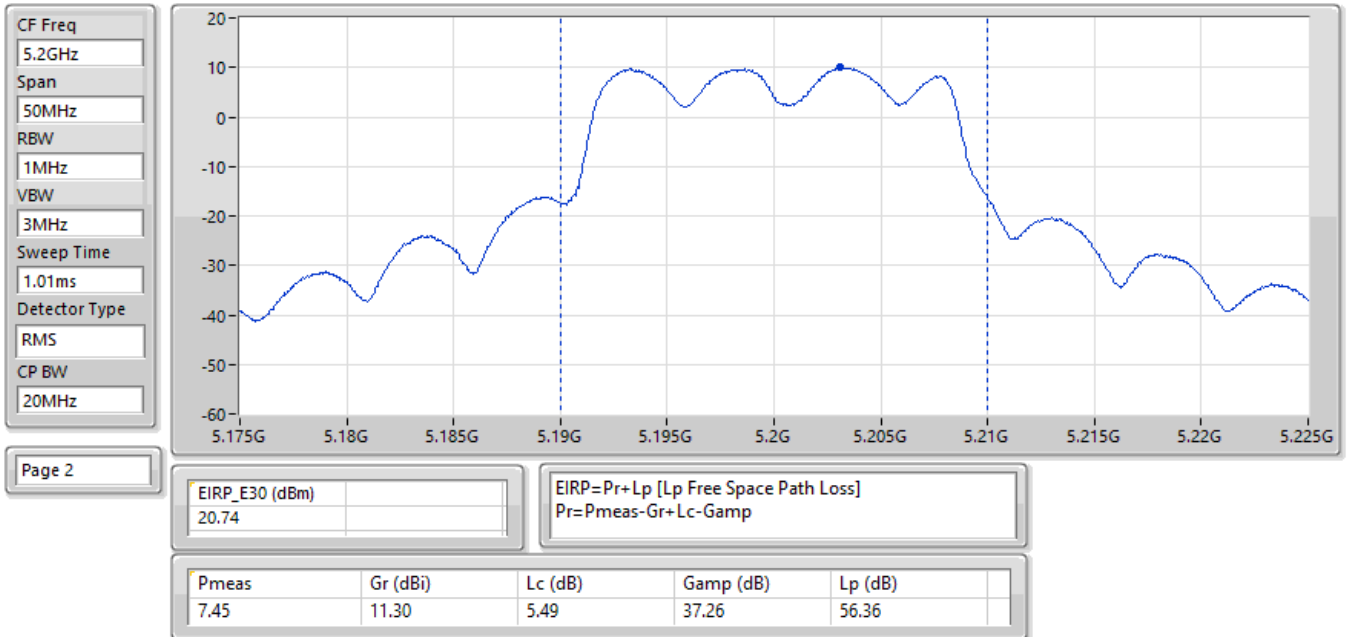
MAX. E.I.R.P. At Any Elevation Angle Above 30 Degrees Result Appendix F

Result

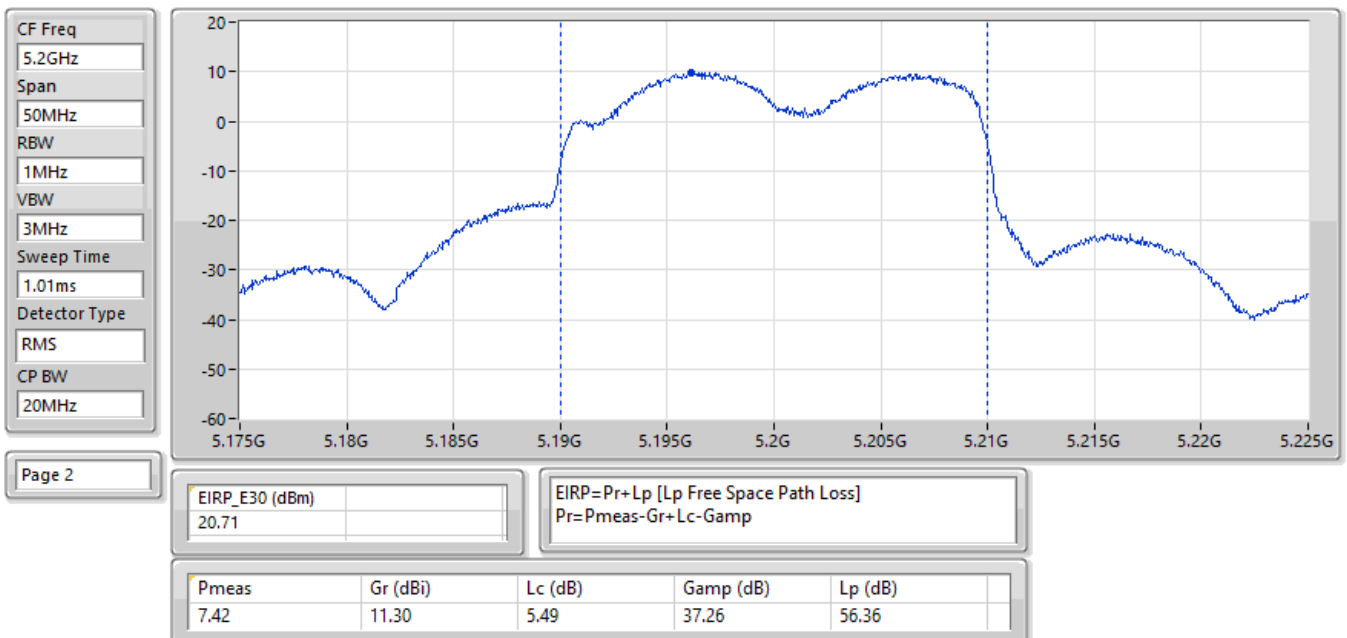
Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-
5180MHz	Pass	20.49	21.00
5200MHz	Pass	20.74	21.00
5240MHz	Pass	20.14	21.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-
5180MHz	Pass	20.60	21.00
5200MHz	Pass	20.71	21.00
5240MHz	Pass	19.84	21.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-
5190MHz	Pass	19.35	21.00
5230MHz	Pass	20.48	21.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-
5210MHz	Pass	17.82	21.00

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

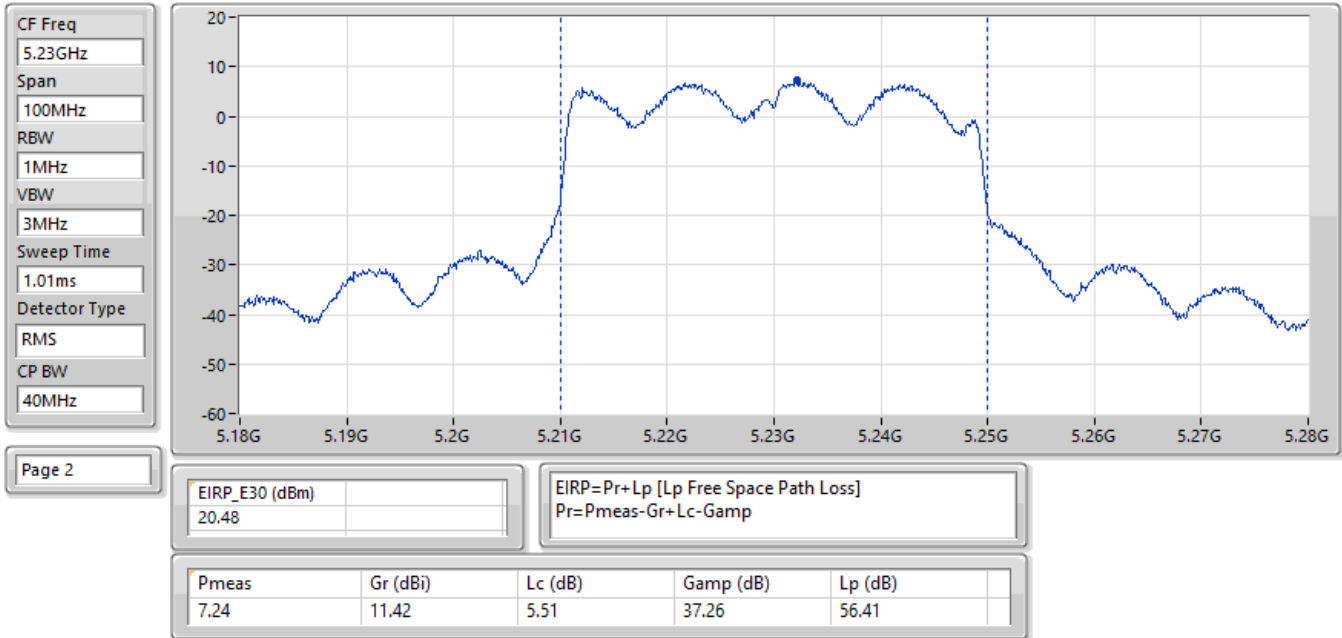
EIRP Elevation above 30°;Band:5.2G;11a;BWch:20MHz;Nss:1,(6D);Nant:2;Ch:5200MHz;TX



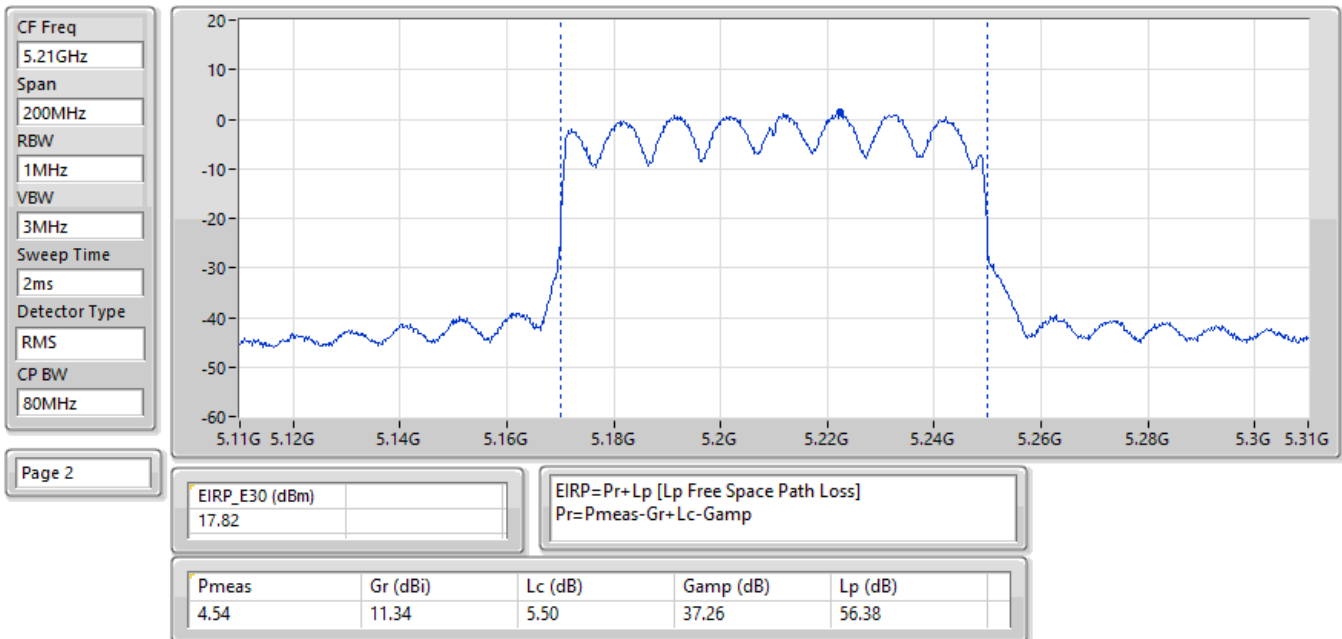
EIRP Elevation above 30°;Band:5.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:5200MHz;TX



EIRP Elevation above 30°:Band:5.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:5230MHz;TX



EIRP Elevation above 30°:Band:5.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:5210MHz;TX





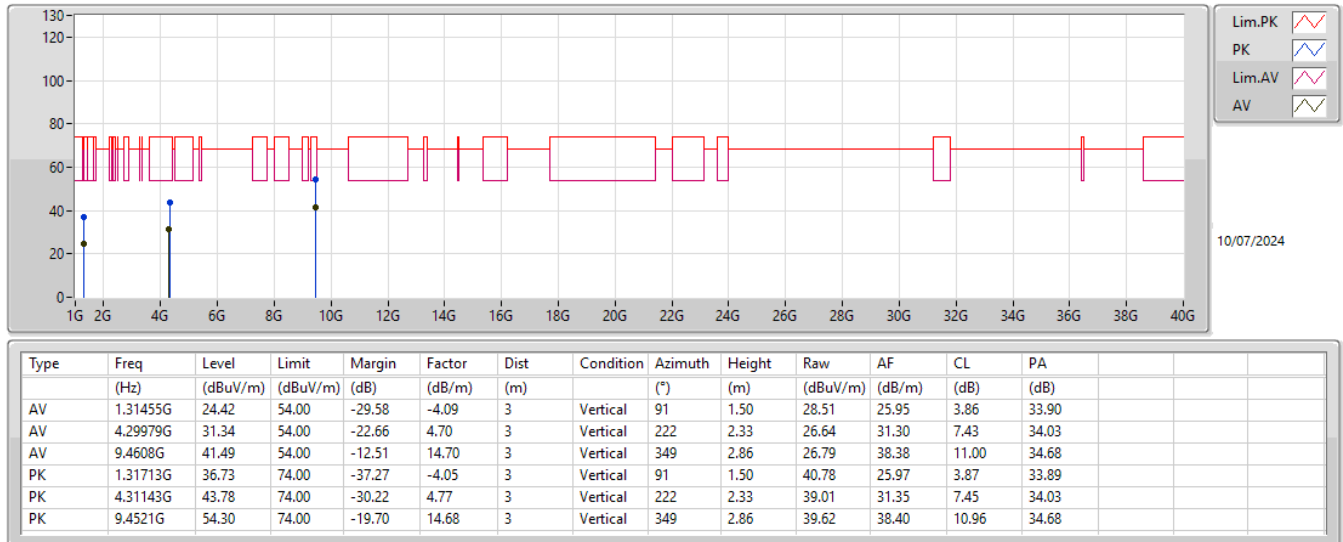
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	9.4608G	41.49	54.00	-12.51	Vertical

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	1.31455G	24.42	54.00	-29.58	3	Vertical	91	1.50
Mode 1	Pass	AV	4.29979G	31.34	54.00	-22.66	3	Vertical	222	2.33
Mode 1	Pass	AV	9.4608G	41.49	54.00	-12.51	3	Vertical	349	2.86
Mode 1	Pass	PK	1.31713G	36.73	74.00	-37.27	3	Vertical	91	1.50
Mode 1	Pass	PK	4.31143G	43.78	74.00	-30.22	3	Vertical	222	2.33
Mode 1	Pass	PK	9.4521G	54.30	74.00	-19.70	3	Vertical	349	2.86
Mode 1	Pass	AV	1.31537G	24.51	54.00	-29.49	3	Horizontal	238	1.50
Mode 1	Pass	AV	4.29876G	31.44	54.00	-22.56	3	Horizontal	245	2.43
Mode 1	Pass	AV	9.45776G	41.42	54.00	-12.58	3	Horizontal	254	3.00
Mode 1	Pass	PK	1.31258G	37.20	74.00	-36.80	3	Horizontal	238	1.50
Mode 1	Pass	PK	4.29972G	44.69	74.00	-29.31	3	Horizontal	245	2.43
Mode 1	Pass	PK	9.45991G	54.74	74.00	-19.26	3	Horizontal	254	3.00

Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1

