

FCC Radio Test Report

FCC ID : UDX-600173010
Equipment : Z4 Teleworker Gateway
Brand Name : CISCO
Model Name : Z4-HW
Applicant : Cisco Systems, Inc.
170 West Tasman Drive San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 12, 2022, and testing was started from Oct. 25, 2022 and completed on Nov. 24, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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Report Template No.: HE1-D1 Ver4.5
FCC ID: UDX-600173010

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
-	15.207	AC Power-line Conducted Emissions	Not Required	Refer as 1.1.5
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	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: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20) , ax(HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5250-5350	n (HT40), ac (VHT40) , ax(HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5250-5350	ac (VHT80), ax(HEW80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	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 (MHz)	Nant
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
5.25-5.35GHz	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
5.25-5.35GHz	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.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Radio
1	SENAO	5718A0720300	PIFA antenna	I-PEX	1 (5G) 2 (2.4G)
2	SENAO	5718A0721300	PIFA antenna	I-PEX	

Ant.	Port	Gain (dBi)	
		2.4G	5G
1	1	4.47	5.16
2	2	3.85	5.28

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
EUT Function	☐ Outdoor AP	☒ Indoor AP	
	☐ Fixed P2P AP	☐ Client	
Beamforming Function	☒ With beamforming	☐ Without beamforming	
TPC Function	☒ With TPC Function	☐ Without TPC Function	
Weather Band	☒ With 5600~5650MHz	☐ Without 5600~5650MHz	
Resource Unit(802.11ax)	☒ Full RU	☐ Partial RU	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.: ...		
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		
☐	Other:		

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.969	0.14	1.978m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.923	0.35	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.951	0.22	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_2TX	0.911	0.4	5.446m	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) $\geq$ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.96	0.18	5.453m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.949	0.23	5.452m	300
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.96	0.18	5.452m	300

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

1.1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR263027AN

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

Modifications	Performance Checking
Frequency bands U-NII-2A and U-NII-2C were added	Emission Bandwidth, Maximum Conducted Output Power, Peak Power Spectral Density and Unwanted Emissions above 1GHz were evaluated

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
RF Conducted	TH07-HY	Yuna Lin	22.3~23.6°C / 54~63%	23/Nov/2022~24/Nov/2022
Radiated	03CH02-HY	Ivan Chung	20.2~23.5°C / 51~60%	25/Oct/2022~26/Oct/2022
Radiated	03CH03-HY	Lego Lin	20.2~22.8°C / 52~62%	21/Nov/2022~23/Nov/2022
☐ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

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
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%
Receiver Radiated 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-Connectivity1.0-00089
------------------------------	-----------------------------

Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	19
5300MHz	19
5320MHz	19
5500MHz	19.5
5580MHz	19.5
5700MHz	19
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	20
5300MHz	20
5320MHz	20
5500MHz	20
5580MHz	20.5
5700MHz	19.5
5720MHz Straddle 5.47-5.725GHz	20
5720MHz Straddle 5.725-5.85GHz	20
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	21
5310MHz	19.5
5510MHz	19.5
5550MHz	21
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	21
5710MHz Straddle 5.725-5.85GHz	21
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	17
5530MHz	17



Mode	Power Setting
5610MHz	21
5690MHz Straddle 5.47-5.725GHz	21
5690MHz Straddle 5.725-5.85GHz	21

Beamforming

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5260MHz	19.5
5300MHz	19.5
5320MHz	19.5
5500MHz	19.5
5580MHz	19.5
5700MHz	19.5
5720MHz Straddle 5.47-5.725GHz	20
5720MHz Straddle 5.725-5.85GHz	20
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5270MHz	19
5310MHz	19
5510MHz	19
5550MHz	19
5670MHz	19
5710MHz Straddle 5.47-5.725GHz	19
5710MHz Straddle 5.725-5.85GHz	19
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5290MHz	17
5530MHz	17
5610MHz	19
5690MHz Straddle 5.47-5.725GHz	19
5690MHz Straddle 5.725-5.85GHz	19

2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA263027-01 for Co-location RF Exposure Evaluation.	

2.3 Accessories

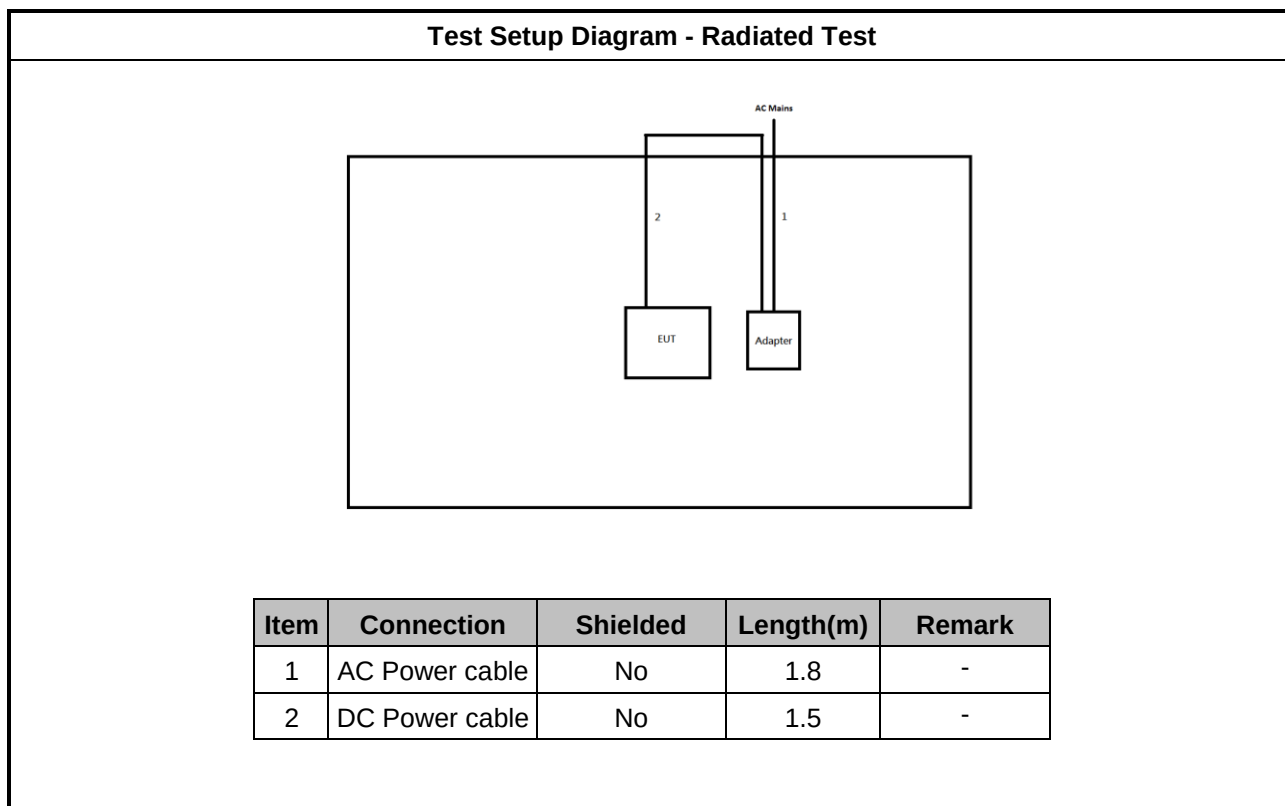
Accessories				
AC Adapter 1	Brand Name	CISCO	Model Name	MA-PWR-50WAC
	Power Rating	I/P: 100 - 240 Vac, 2 A ,50/60Hz, O/P: 54.0 Vdc, 0.92 A,50 W		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		
AC Adapter 2	Brand Name	FSP	Model Name	FSP050-DWAA1
	Power Rating	I/P: 100 - 240 Vac, 1.6 A ,50/60Hz, O/P: 54.0 Vdc, 0.93 A,50 W		
	Power Cord	1.5 meter, non-shielded cable, with ferrite core		
AC Adapter 3	Brand Name	LITEON	Model Name	PA-1500-54C1
	Power Rating	I/P: 100 - 240 Vac 50/60 Hz, 1.5 A, O/P: 54.0 Vdc, 0.925 A 50W		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		

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

2.4 Support Equipment

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

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 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.

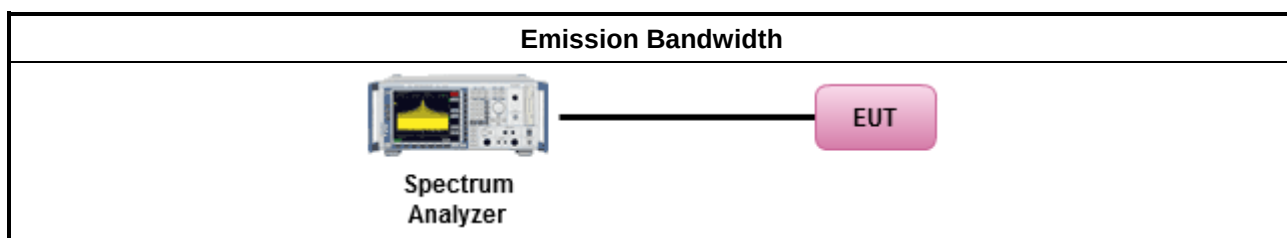
3.1.2 Measuring Instruments

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

3.1.3 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.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

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

3.2.2 Measuring Instruments

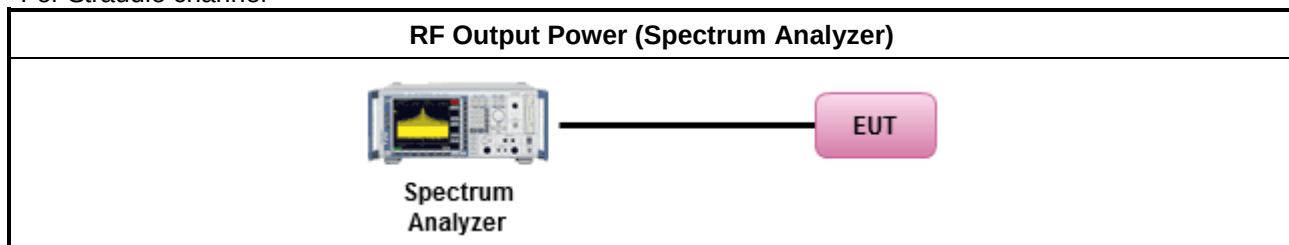
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

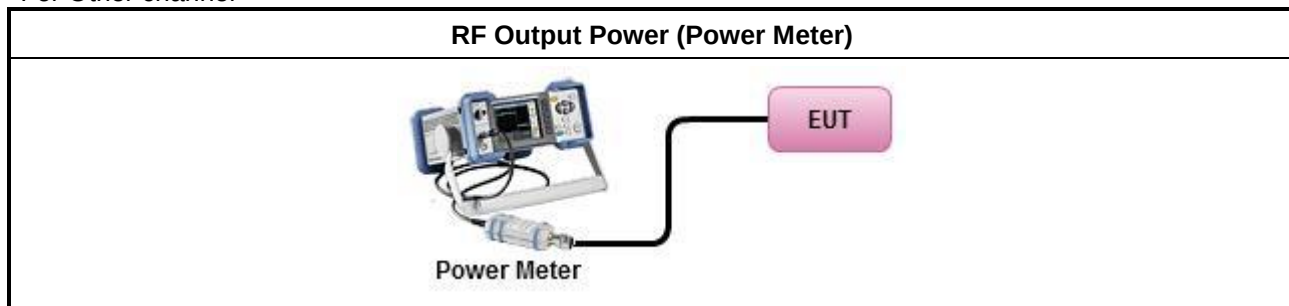
Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☒	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods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

3.2.4 Test Setup

For Straddle channel



For Other channel



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

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

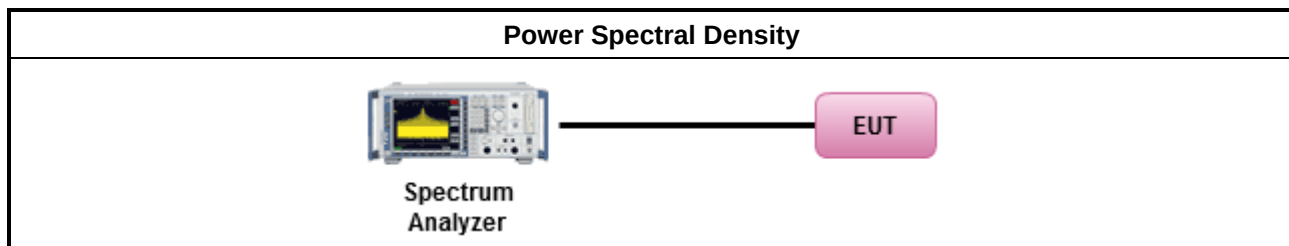
3.3.2 Measuring Instruments

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

3.3.3 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]) $EIRP_{total} = PPSD_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 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).

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

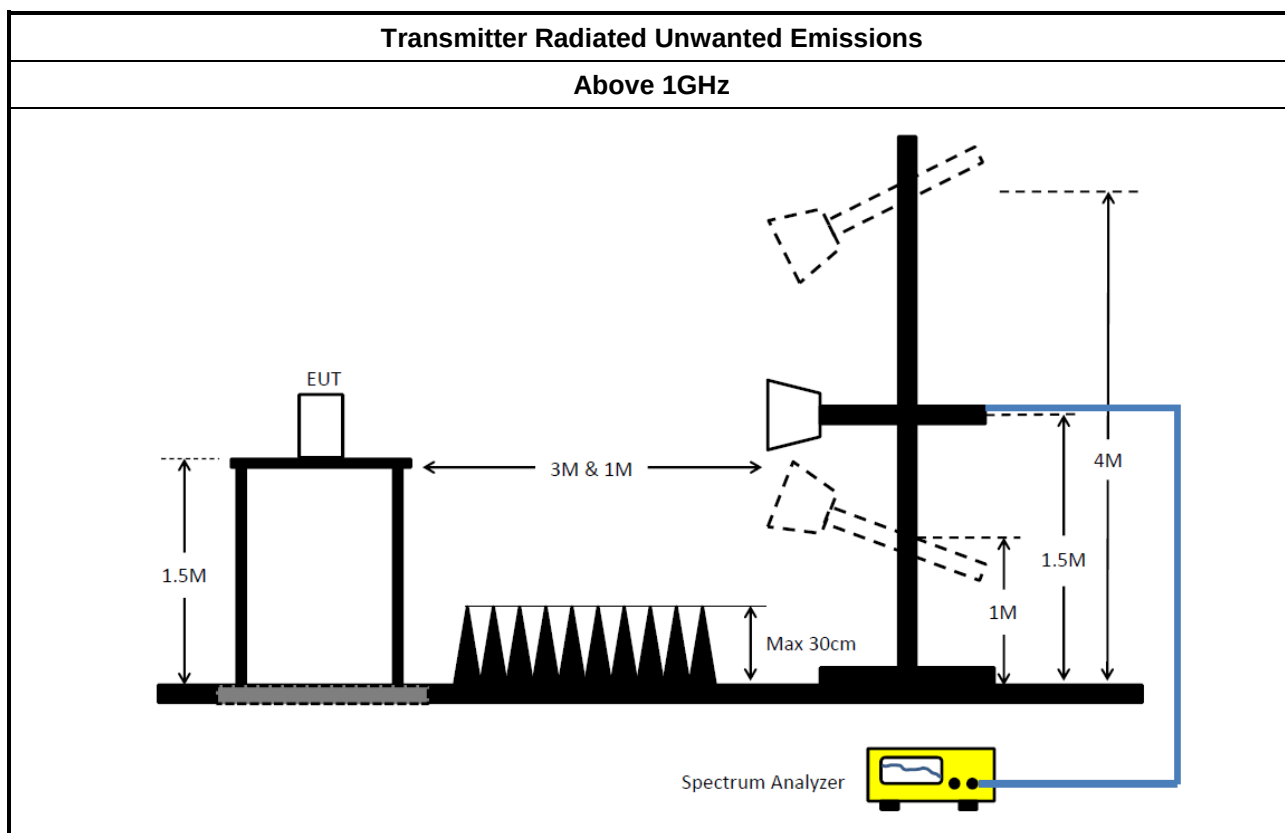
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above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

3.4.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.4.5 Test Setup



3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2022	13/Feb/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2021	16/Dec/2022
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	20/Dec/2021	19/Dec/2022
SENSE-15407_NII	Sporton	V5.10.8.7.3	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH02-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Microwave System Premplifier	KEYSIGHT	83017A	MY53270197	1GHz~26.5GHz	30/Nov/2021	29/Nov/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	01/Apr/2022	31/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	21/Mar/2022	20/Mar/2023
SENSE-15407_NII	Sporton	v5.10.8.7.3	NA	5G	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	02/Aug/2022	01/Aug/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2022	25/Oct/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-01	1GHz~40GHz	27/Jul/2022	26/Jul/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-15407_NII	Sporton	v5.10.8.7.3	NA	5G	NA	NA

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.73M	16.388M	16M4D1D	20.43M	16.363M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.84M	18.924M	18M9D1D	21.36M	18.895M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.34M	37.79M	37M8D1D	40.98M	37.672M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.44M	77.107M	77M1D1D	82.2M	76.99M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.88M	16.439M	16M4D1D	15.435M	13.208M
802.11ax HEW20_Nss1,(MCS0)_2TX	22.77M	18.954M	19M0D1D	17.385M	14.498M
802.11ax HEW40_Nss1,(MCS0)_2TX	56.805M	37.848M	37M8D1D	40.8M	34.108M
802.11ax HEW80_Nss1,(MCS0)_2TX	144M	77.93M	77M9D1D	82.2M	73.613M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.14M	4.558M	4M56D1D	3.12M	4.258M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.44M	6.717M	6M72D1D	4.36M	5.757M
802.11ax HEW40_Nss1,(MCS0)_2TX	4.12M	26.487M	26M5D1D	4.1M	25.367M
802.11ax HEW80_Nss1,(MCS0)_2TX	4.08M	37.521M	37M5D1D	4.06M	36.842M

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

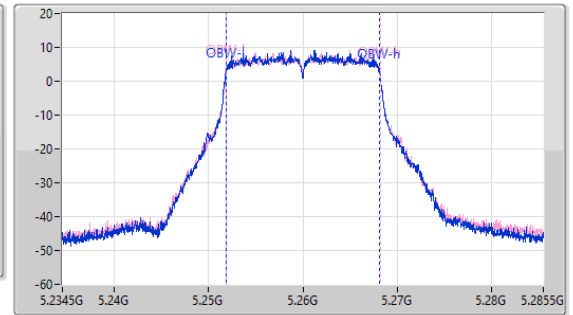
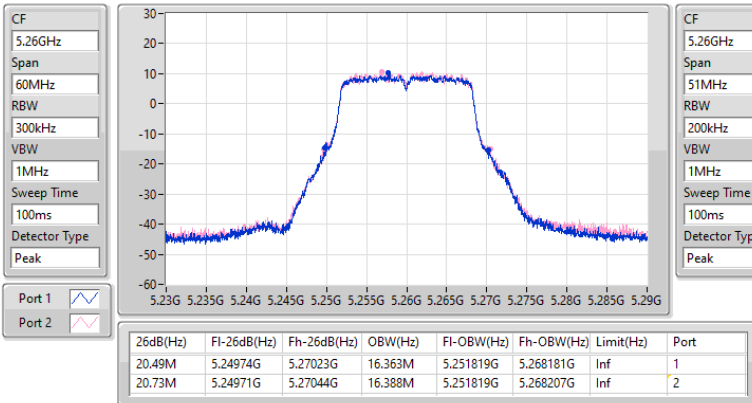
Result

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	-	-	-	-	-	-
5260MHz	Pass	Inf	20.49M	16.363M	20.73M	16.388M
5300MHz	Pass	Inf	20.43M	16.363M	20.64M	16.363M
5320MHz	Pass	Inf	20.55M	16.363M	20.52M	16.363M
5500MHz	Pass	Inf	20.58M	16.363M	20.73M	16.388M
5580MHz	Pass	Inf	20.55M	16.363M	20.55M	16.388M
5700MHz	Pass	Inf	20.73M	16.414M	20.88M	16.439M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.435M	13.208M	15.81M	13.238M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	4.258M	3.14M	4.558M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.69M	18.924M	21.36M	18.924M
5300MHz	Pass	Inf	21.45M	18.895M	21.48M	18.895M
5320MHz	Pass	Inf	21.84M	18.924M	21.39M	18.924M
5500MHz	Pass	Inf	21.3M	18.895M	21.54M	18.924M
5580MHz	Pass	Inf	21.57M	18.924M	21.69M	18.924M
5700MHz	Pass	Inf	21.75M	18.954M	22.77M	18.924M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	17.385M	14.498M	18.015M	14.498M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.36M	5.757M	4.44M	6.717M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	41.16M	37.79M	41.34M	37.672M
5310MHz	Pass	Inf	40.98M	37.731M	41.16M	37.731M
5510MHz	Pass	Inf	40.86M	37.731M	40.8M	37.731M
5550MHz	Pass	Inf	43.38M	37.79M	41.46M	37.848M
5670MHz	Pass	Inf	40.86M	37.731M	41.28M	37.79M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	54.635M	34.108M	56.805M	34.248M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.1M	25.367M	4.12M	26.487M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.44M	76.99M	82.2M	77.107M
5530MHz	Pass	Inf	82.2M	77.107M	82.8M	77.107M
5610MHz	Pass	Inf	144M	77.93M	128.88M	77.93M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	105.525M	73.613M	105.375M	73.838M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	36.842M	4.08M	37.521M

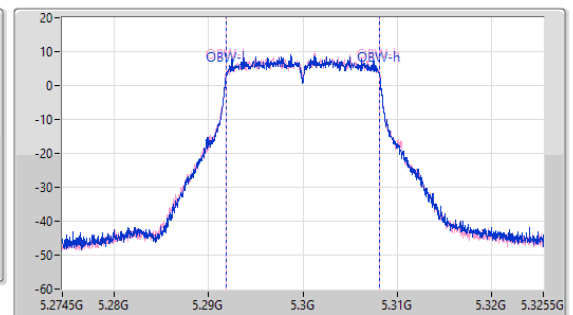
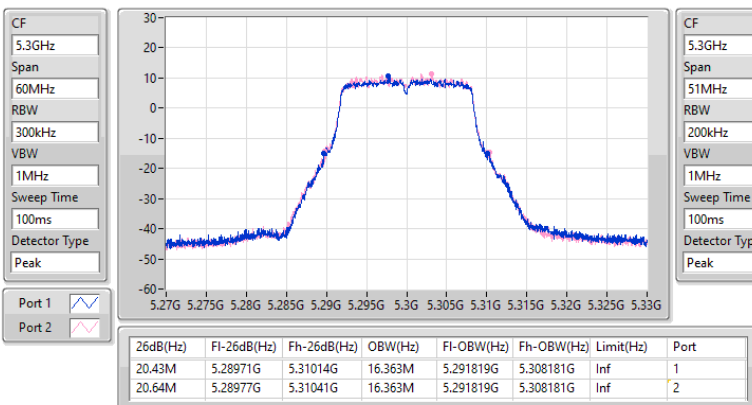
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

23/11/2022


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

23/11/2022

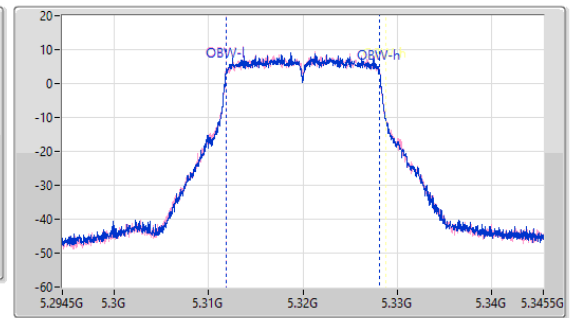
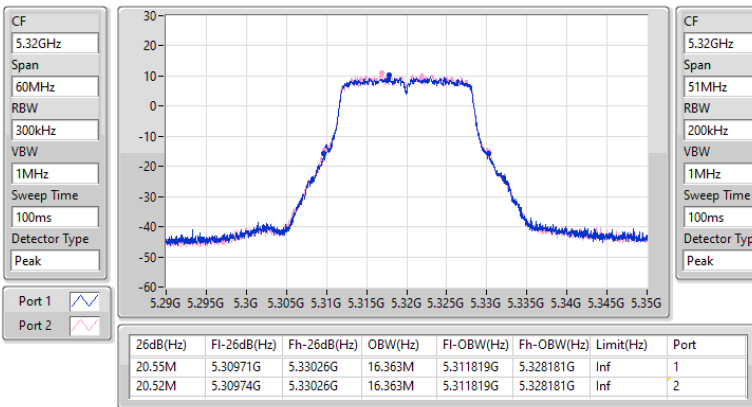


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

23/11/2022

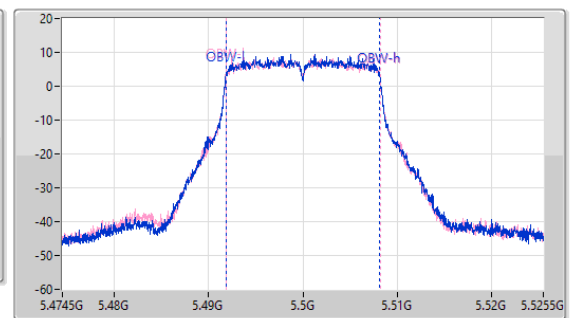
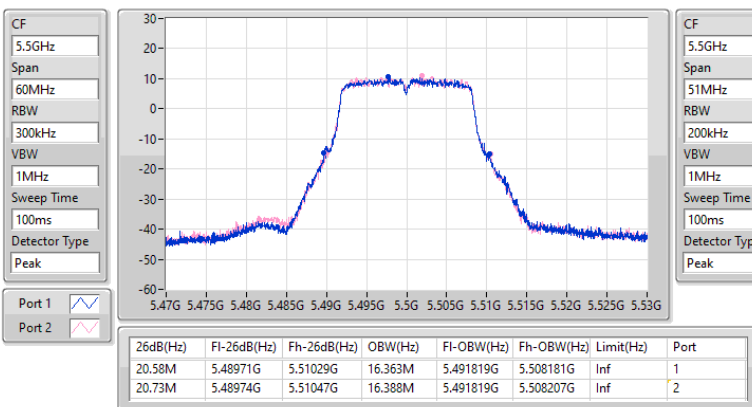


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

23/11/2022

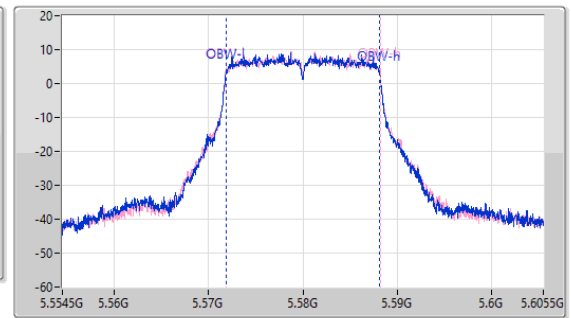
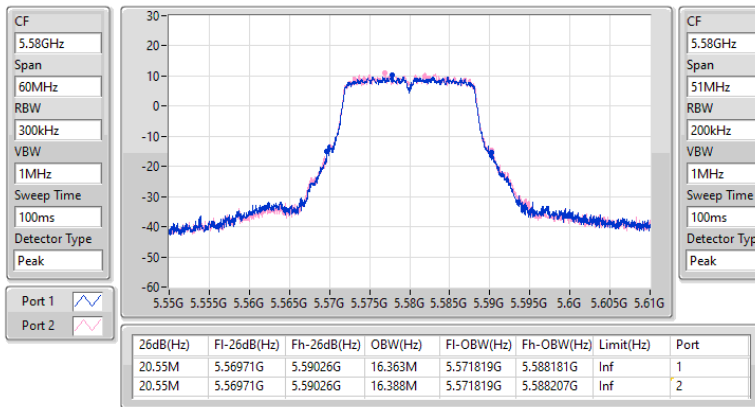


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

23/11/2022

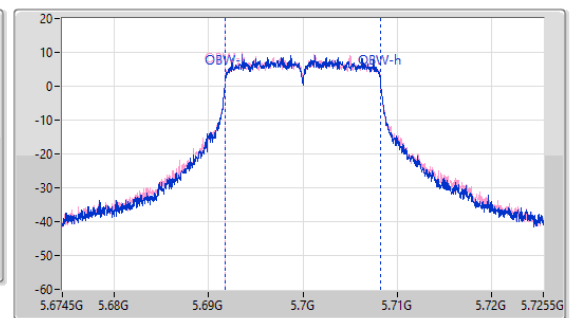
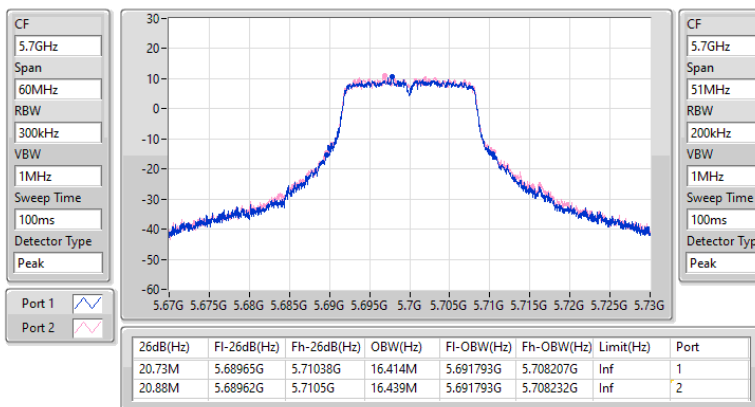


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

23/11/2022

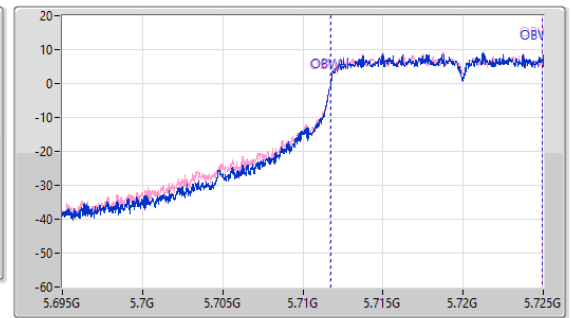
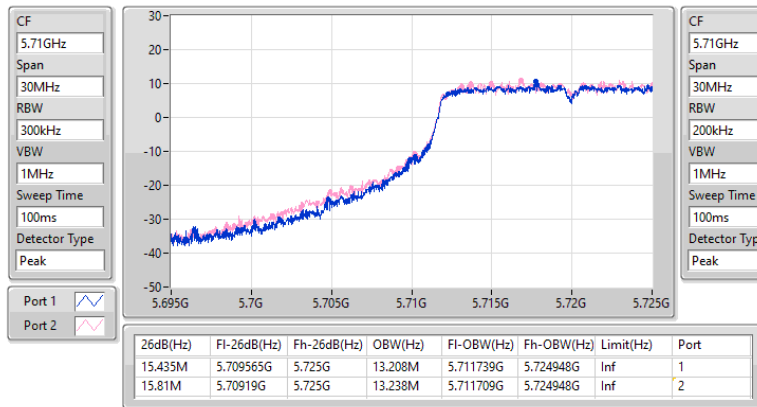


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz

EBW

23/11/2022

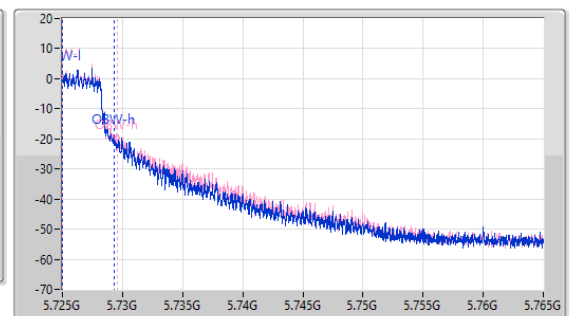
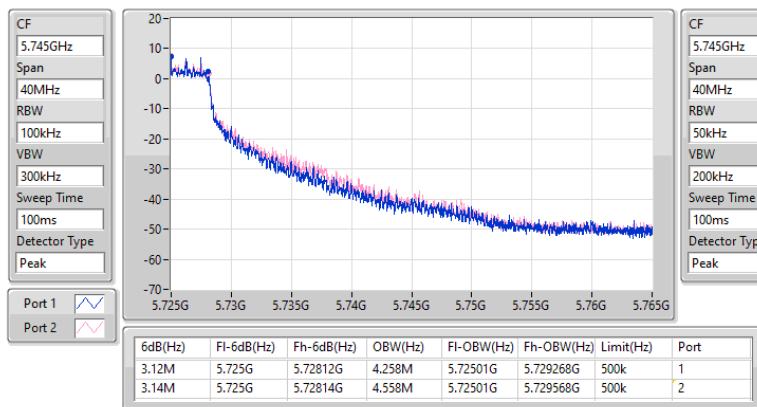


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.725-5.85GHz

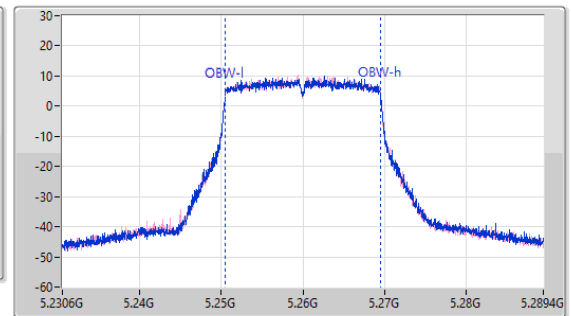
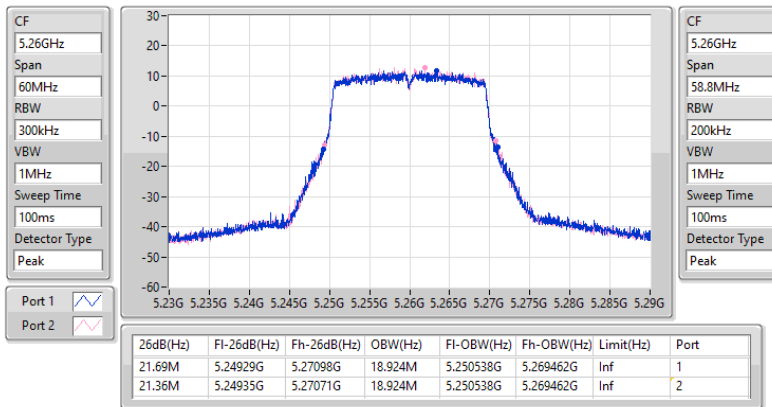
EBW

23/11/2022

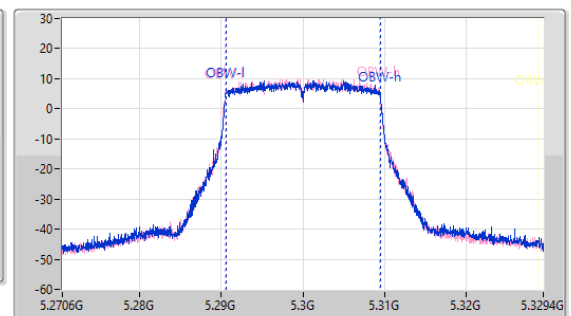
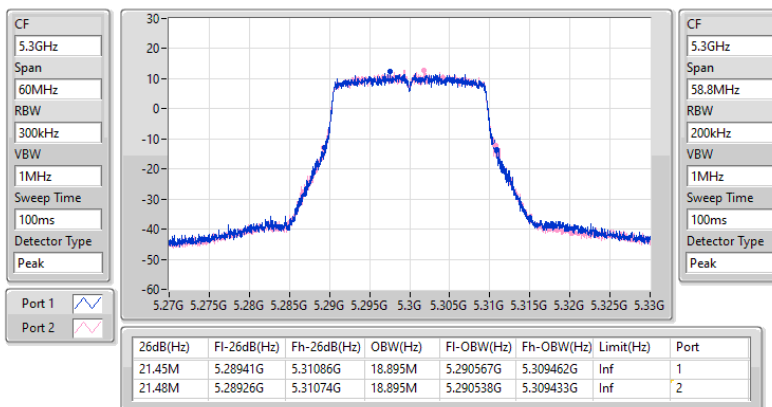


5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5260MHz
EBW

23/11/2022

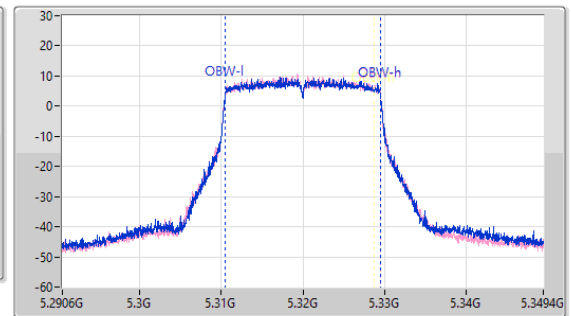
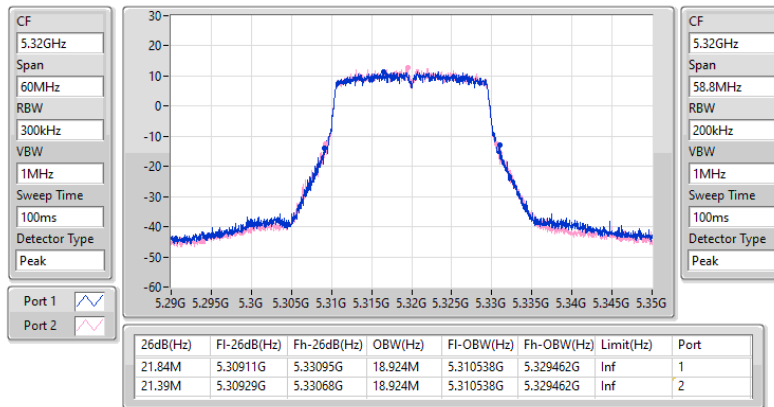

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5300MHz
EBW

23/11/2022

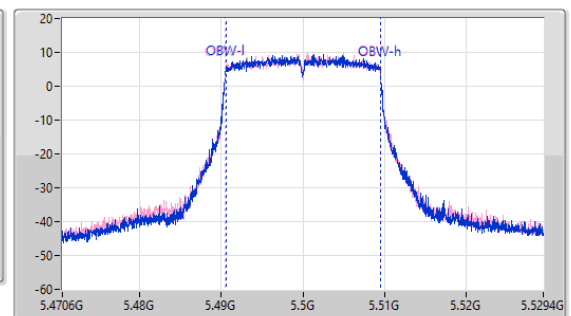
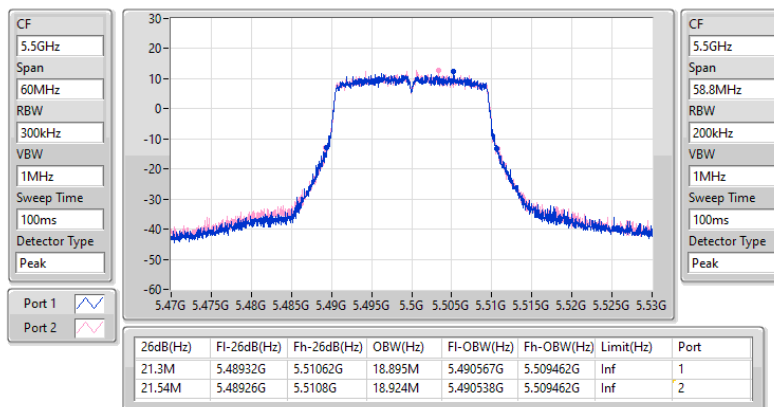


5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5320MHz
EBW

23/11/2022


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5500MHz
EBW

23/11/2022

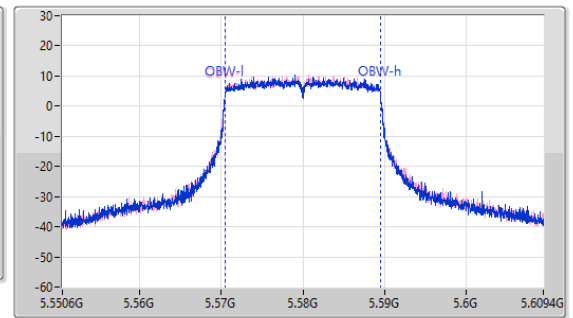
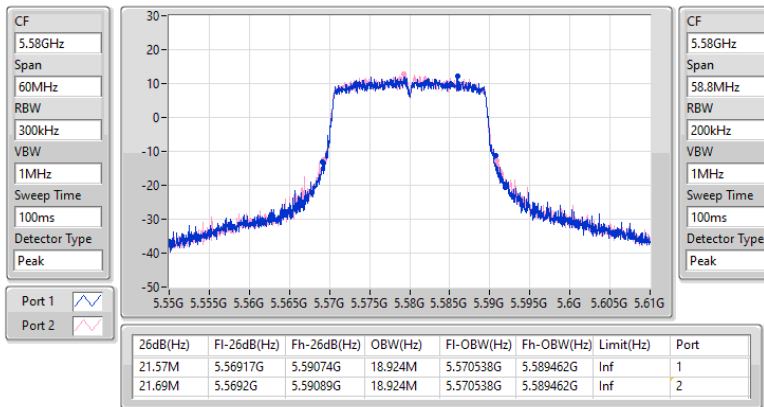


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5580MHz

EBW

23/11/2022

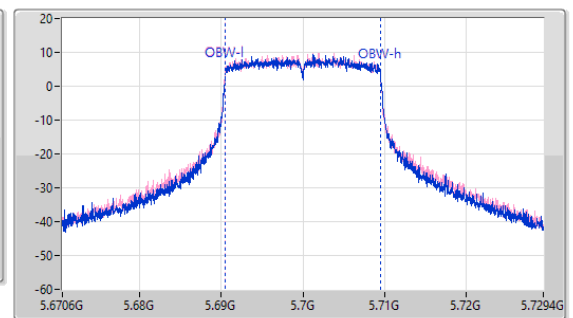
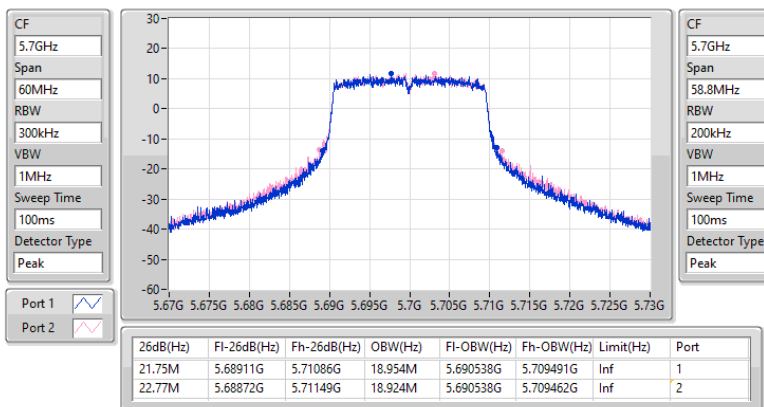


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz

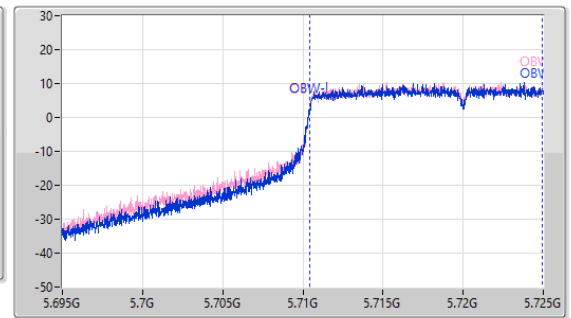
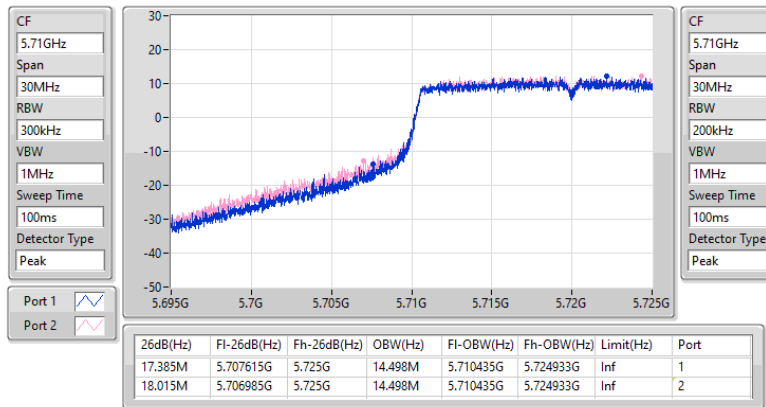
EBW

23/11/2022

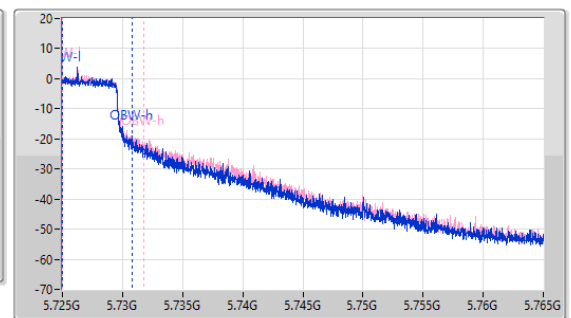
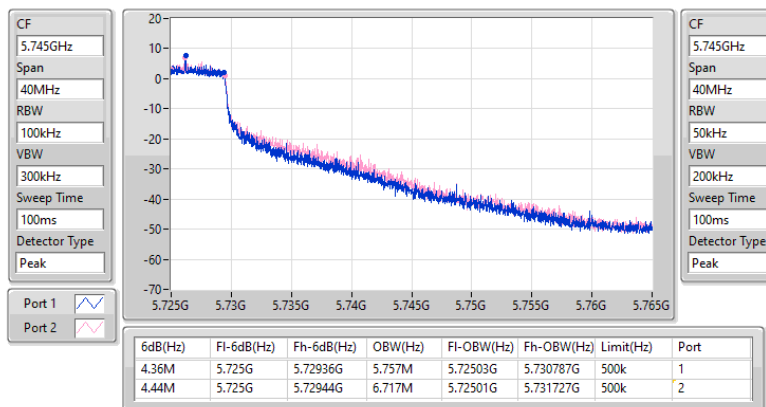


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5720MHz Straddle 5.47-5.725GHz
EBW

23/11/2022

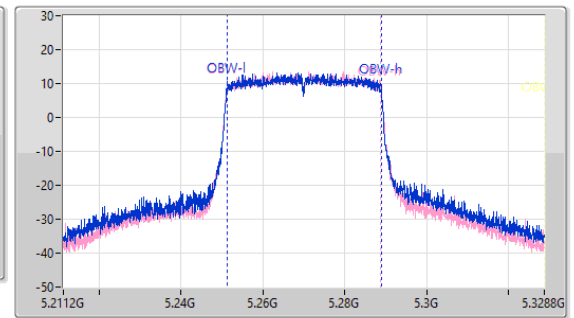
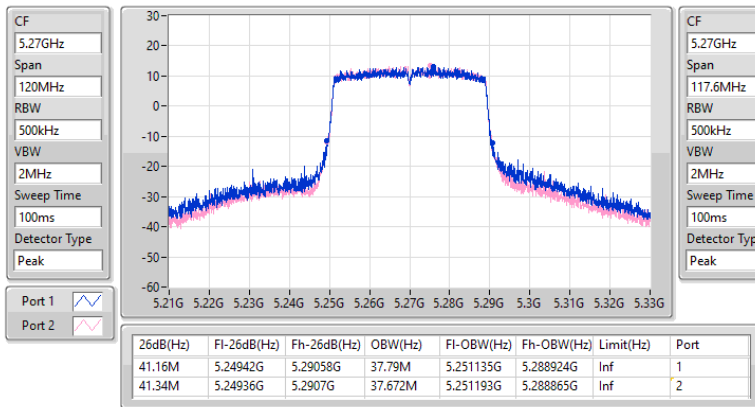

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5720MHz Straddle 5.725-5.85GHz
EBW

23/11/2022

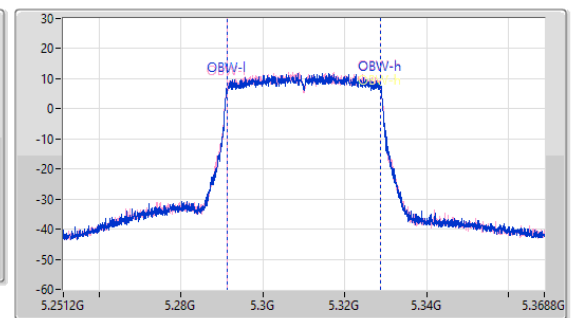
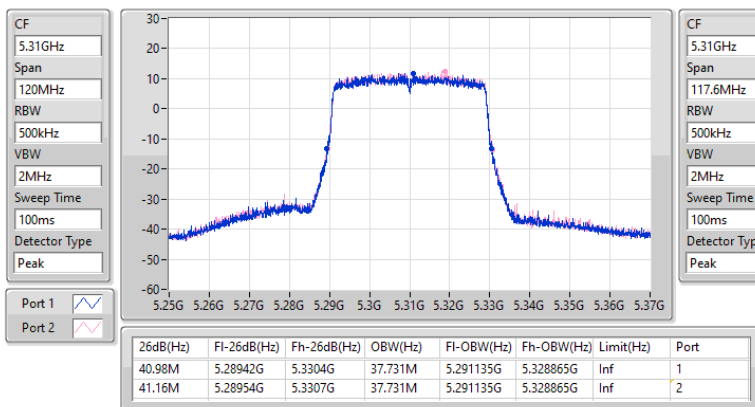


5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5270MHz
EBW

23/11/2022


5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5310MHz
EBW

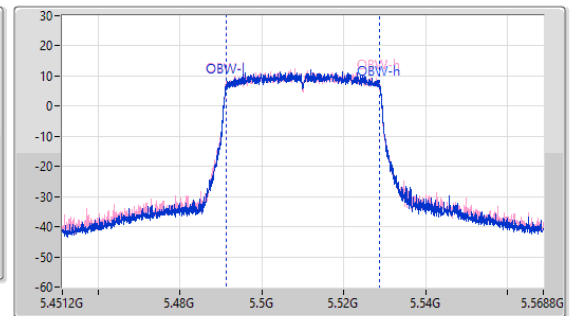
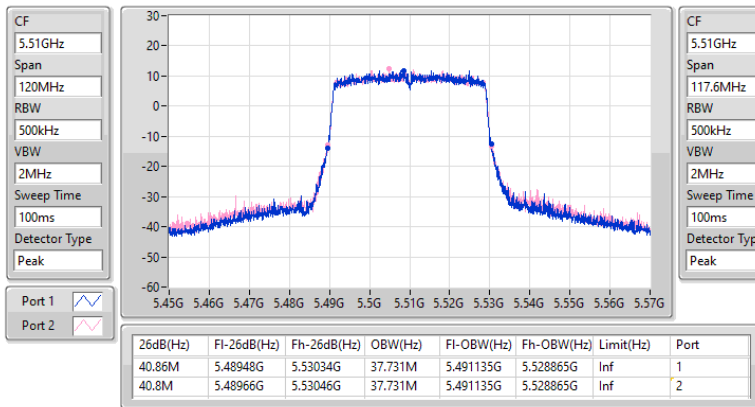
23/11/2022



5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX 5510MHz

EBW

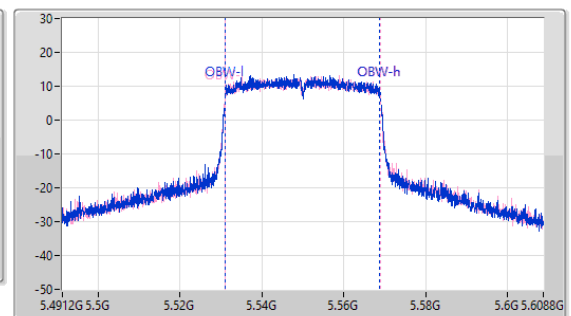
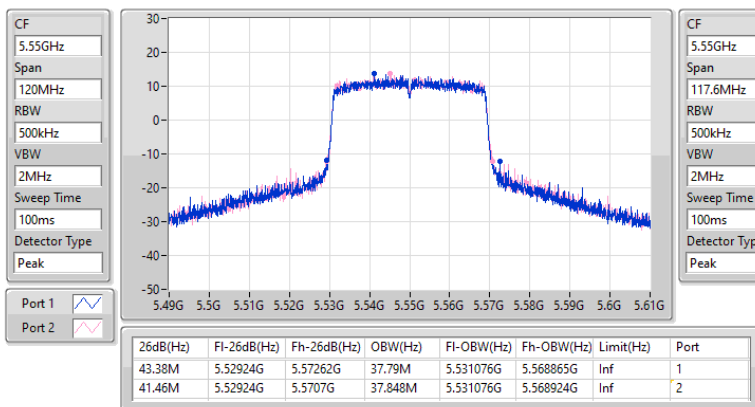
23/11/2022



5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX 5550MHz

EBW

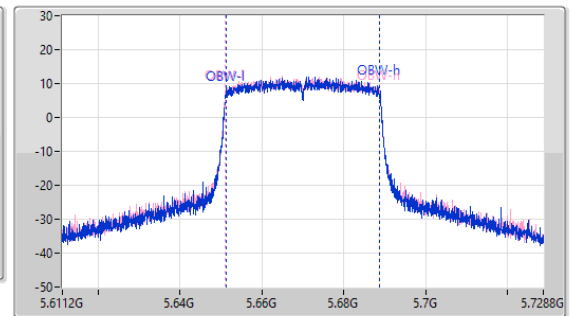
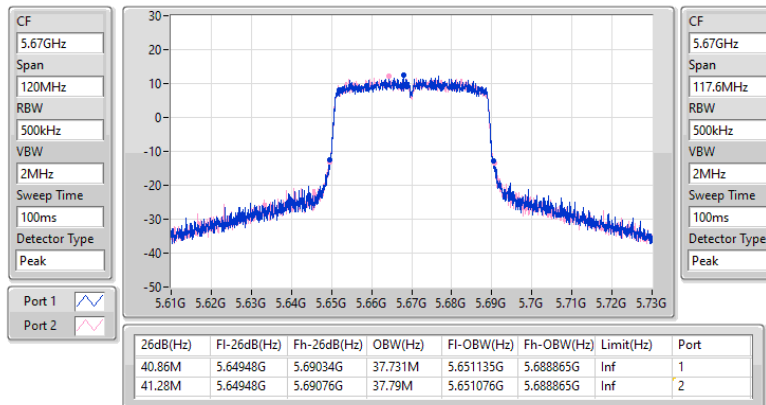
23/11/2022



5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5670MHz

EBW

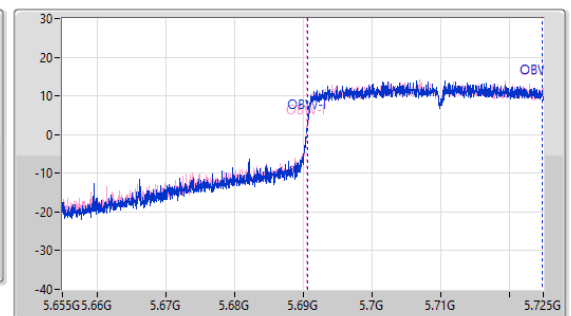
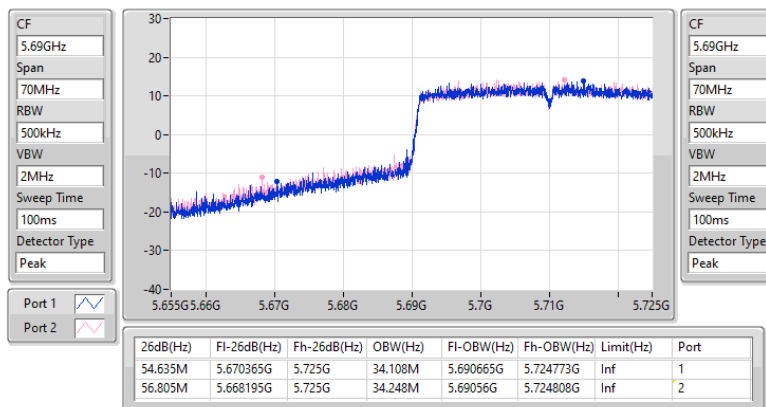
23/11/2022



5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5710MHz Straddle 5.47-5.725GHz

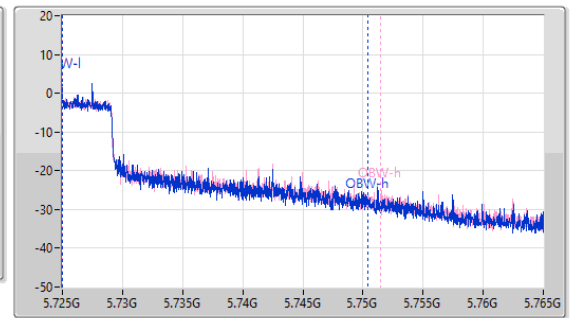
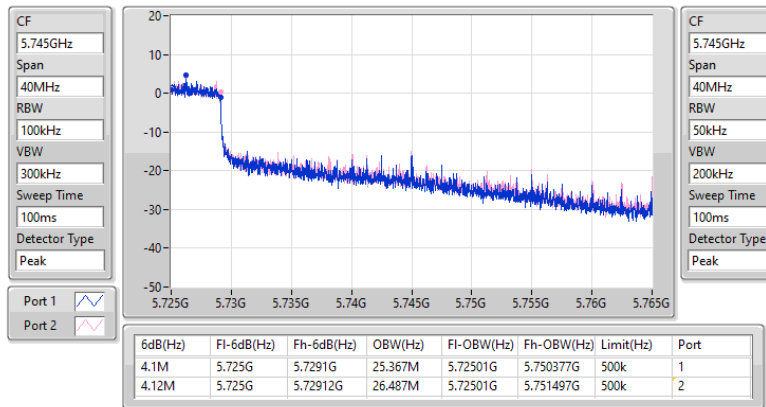
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23/11/2022

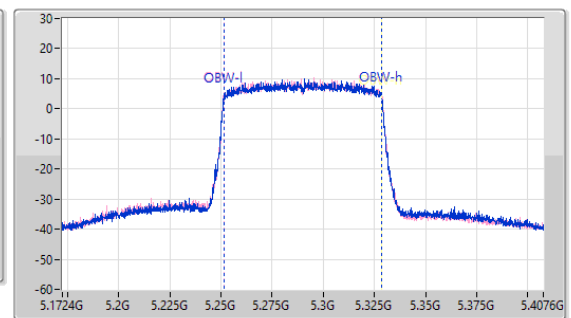
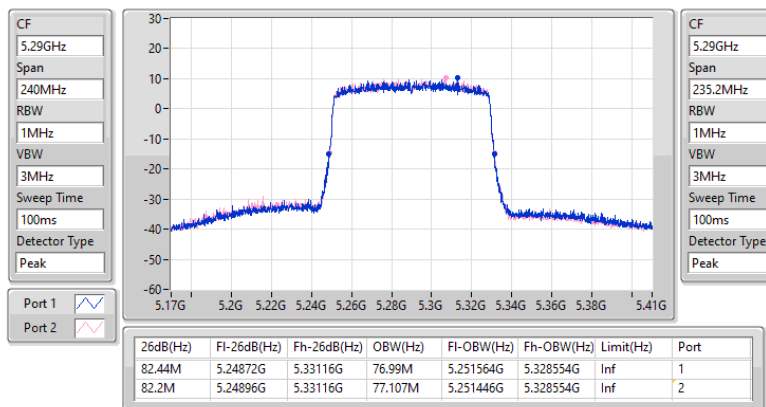


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

23/11/2022

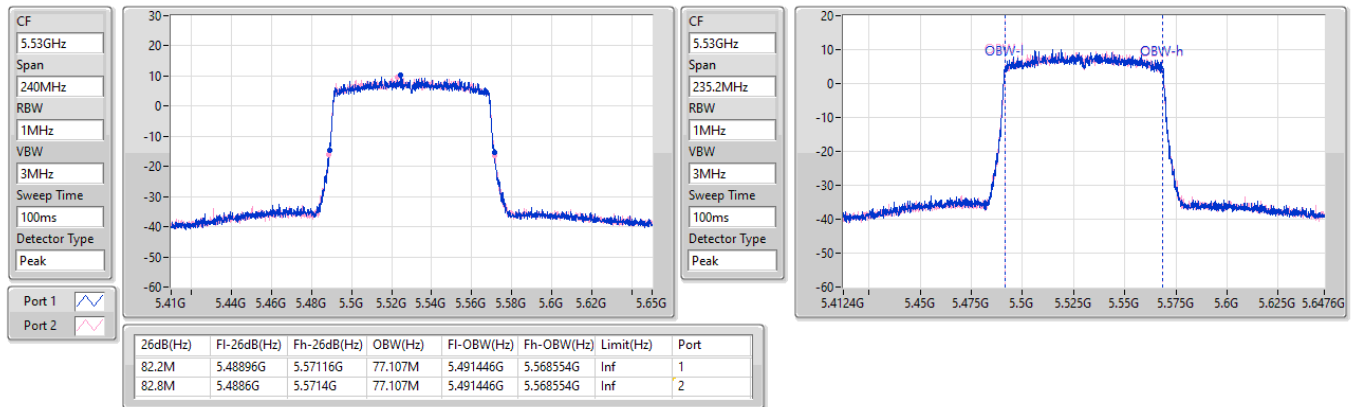

5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5290MHz

23/11/2022

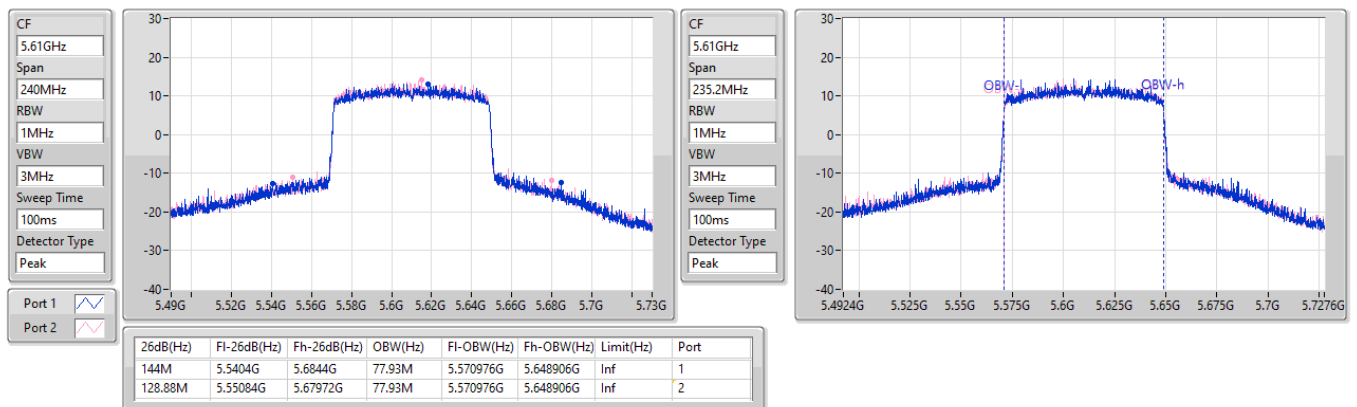


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5530MHz

23/11/2022

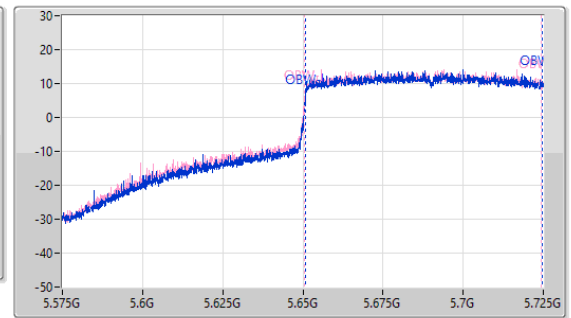
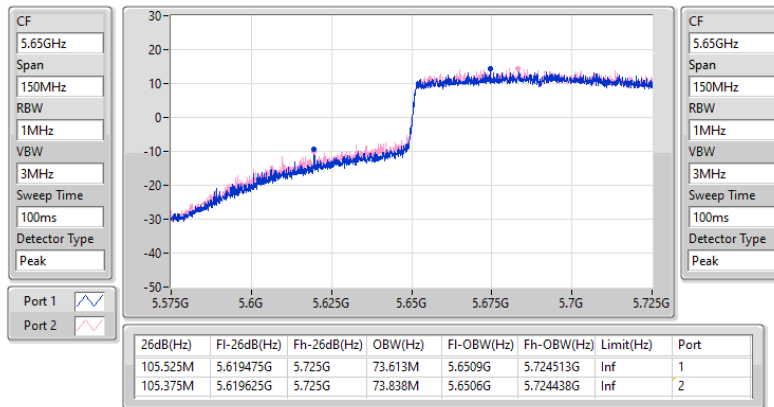

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5610MHz

23/11/2022

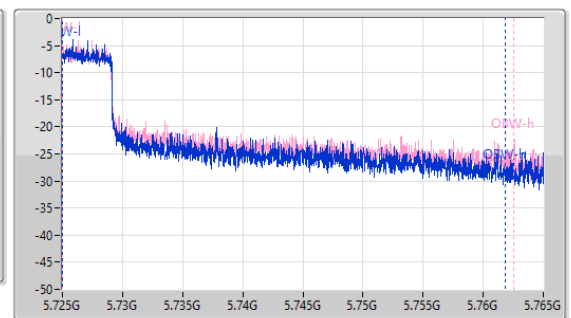
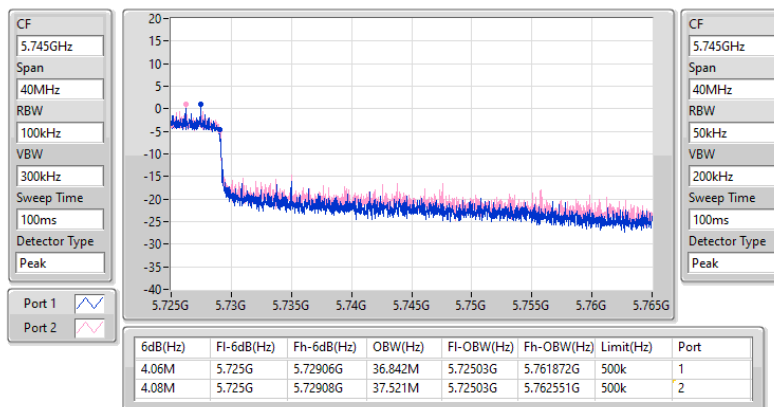


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
5690MHz Straddle 5.47-5.725GHz
EBW

23/11/2022


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
5690MHz Straddle 5.725-5.85GHz
EBW

23/11/2022



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.49	0.14093	26.77	0.47534
802.11ax HEW20_Nss1,(MCS0)_2TX	21.91	0.15524	27.19	0.52360
802.11ax HEW40_Nss1,(MCS0)_2TX	23.42	0.21979	28.70	0.74131
802.11ax HEW80_Nss1,(MCS0)_2TX	19.40	0.08710	24.68	0.29376
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.92	0.15560	27.20	0.52481
802.11ax HEW20_Nss1,(MCS0)_2TX	22.37	0.17258	27.65	0.58210
802.11ax HEW40_Nss1,(MCS0)_2TX	23.46	0.22182	28.74	0.74817
802.11ax HEW80_Nss1,(MCS0)_2TX	23.29	0.21330	28.57	0.71945
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	14.05	0.02541	19.33	0.08570
802.11ax HEW20_Nss1,(MCS0)_2TX	15.54	0.03581	20.82	0.12078
802.11ax HEW40_Nss1,(MCS0)_2TX	13.17	0.02075	18.45	0.06998
802.11ax HEW80_Nss1,(MCS0)_2TX	9.48	0.00887	14.76	0.02992



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	-	-	-	-	-	-	-	-
5260MHz	Pass	5.28	18.23	18.43	21.34	23.98	26.62	30.00
5300MHz	Pass	5.28	18.36	18.59	21.49	23.98	26.77	30.00
5320MHz	Pass	5.28	18.26	18.48	21.38	23.98	26.66	30.00
5500MHz	Pass	5.28	18.93	18.89	21.92	23.98	27.20	30.00
5580MHz	Pass	5.28	18.80	18.96	21.89	23.98	27.17	30.00
5700MHz	Pass	5.28	18.38	18.52	21.46	23.98	26.74	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.28	17.29	17.65	20.48	22.89	25.76	28.89
5720MHz Straddle 5.725-5.85GHz	Pass	5.28	10.90	11.17	14.05	30.00	19.33	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.28	18.75	18.88	21.83	23.98	27.11	30.00
5300MHz	Pass	5.28	18.82	18.98	21.91	23.98	27.19	30.00
5320MHz	Pass	5.28	18.71	18.94	21.84	23.98	27.12	30.00
5500MHz	Pass	5.28	18.80	18.77	21.80	23.98	27.08	30.00
5580MHz	Pass	5.28	19.23	19.49	22.37	23.98	27.65	30.00
5700MHz	Pass	5.28	18.10	18.47	21.30	23.98	26.58	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.28	17.79	17.92	20.87	23.40	26.15	29.40
5720MHz Straddle 5.725-5.85GHz	Pass	5.28	12.28	12.77	15.54	30.00	20.82	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.28	20.34	20.48	23.42	23.98	28.70	30.00
5310MHz	Pass	5.28	18.87	19.12	22.01	23.98	27.29	30.00
5510MHz	Pass	5.28	18.97	18.98	21.99	23.98	27.27	30.00
5550MHz	Pass	5.28	20.45	20.45	23.46	23.98	28.74	30.00
5670MHz	Pass	5.28	18.74	18.89	21.83	23.98	27.11	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.28	20.15	20.25	23.21	23.98	28.49	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.28	10.15	10.16	13.17	30.00	18.45	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.28	16.31	16.46	19.40	23.98	24.68	30.00
5530MHz	Pass	5.28	16.12	16.13	19.14	23.98	24.42	30.00
5610MHz	Pass	5.28	20.04	20.16	23.11	23.98	28.39	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.28	20.09	20.46	23.29	23.98	28.57	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.28	6.29	6.64	9.48	30.00	14.76	36.00

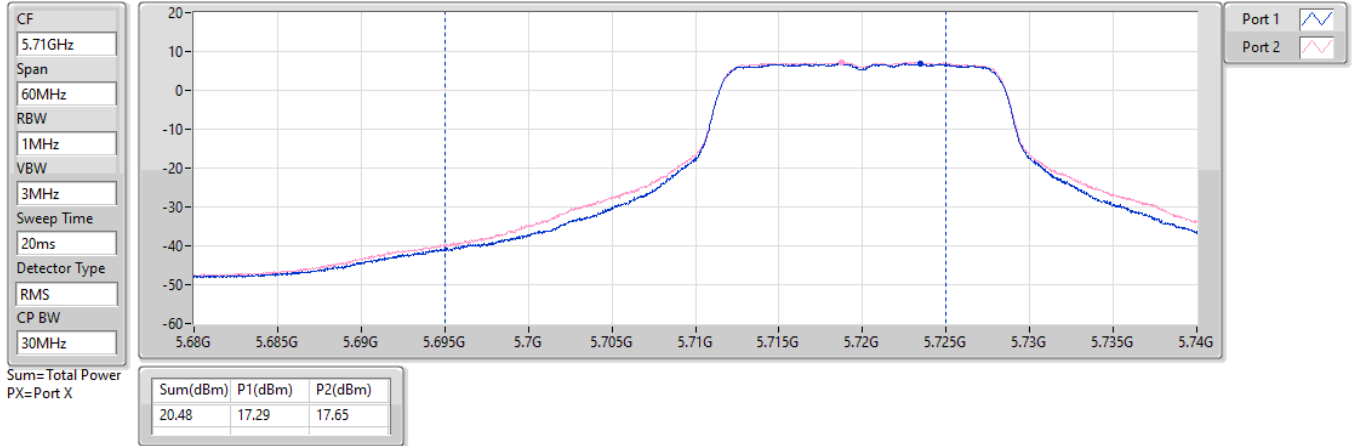
DG = Directional Gain; Port X = Port X output power

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

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

23/11/2022

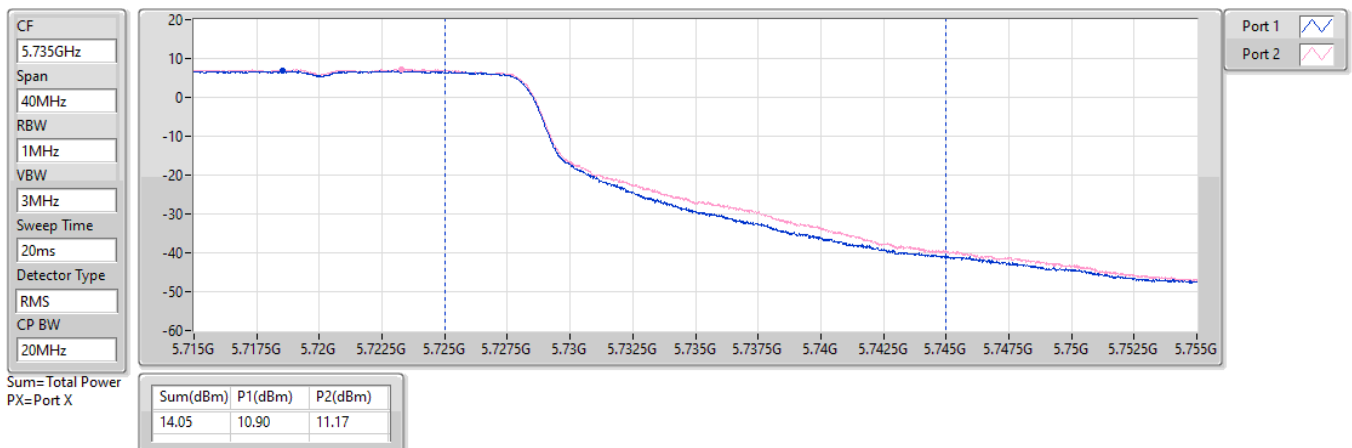


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

23/11/2022

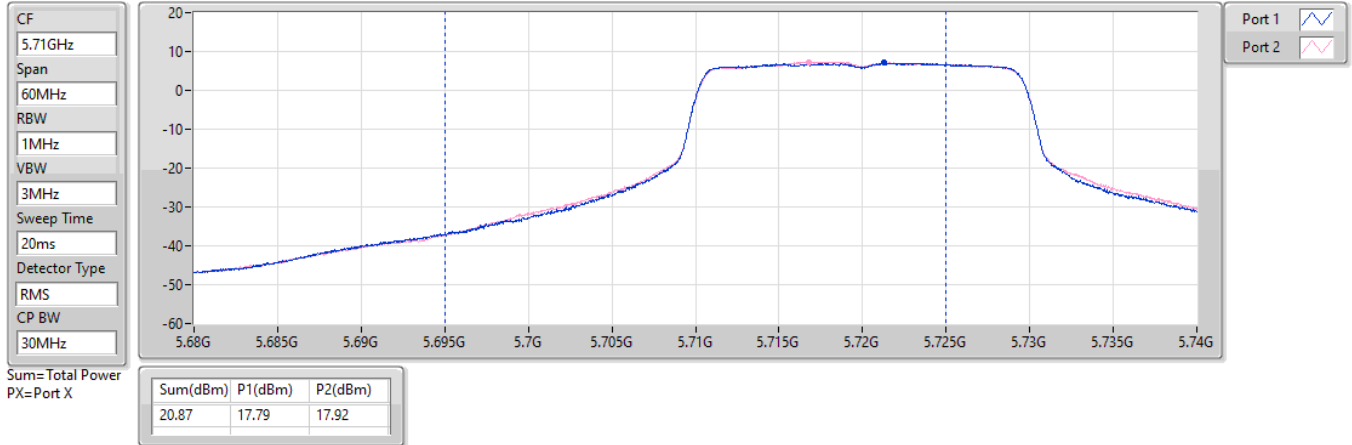


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

23/11/2022

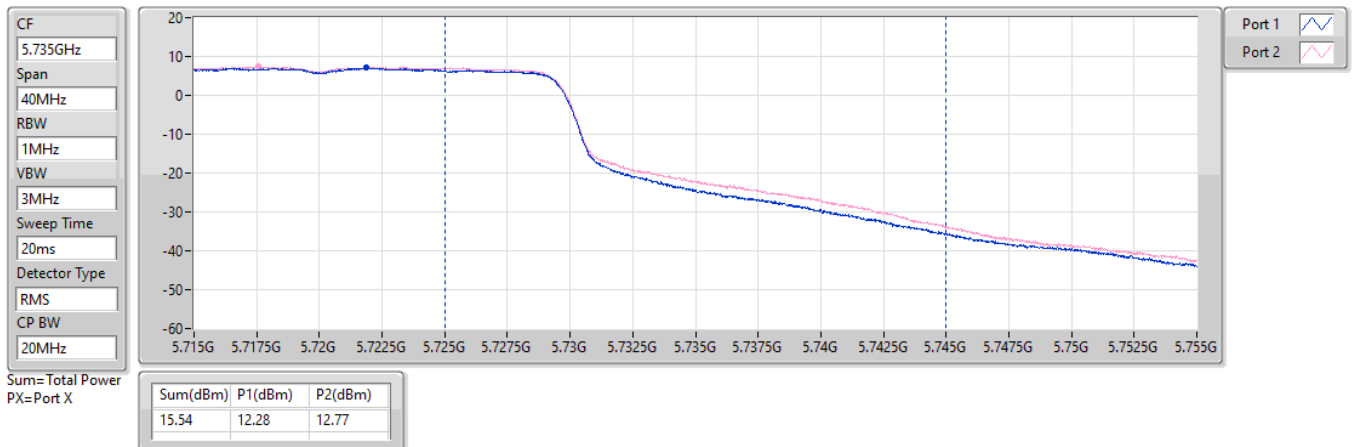


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

23/11/2022

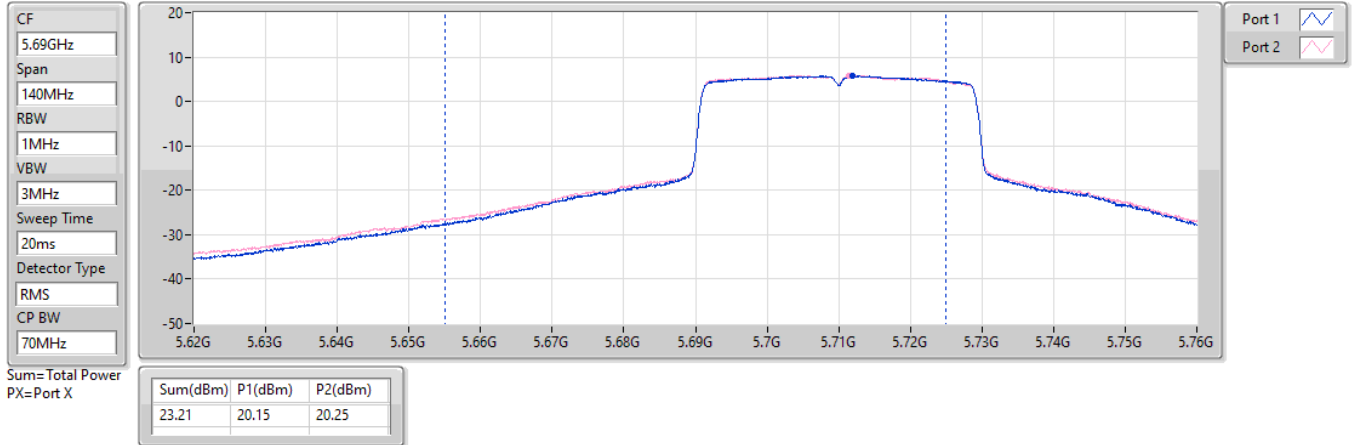


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

23/11/2022

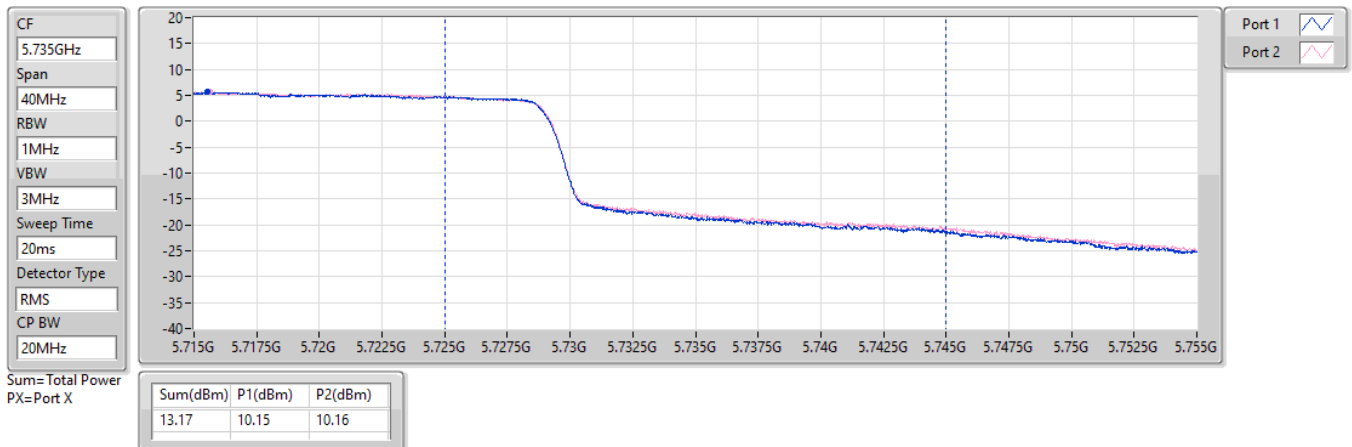


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

23/11/2022

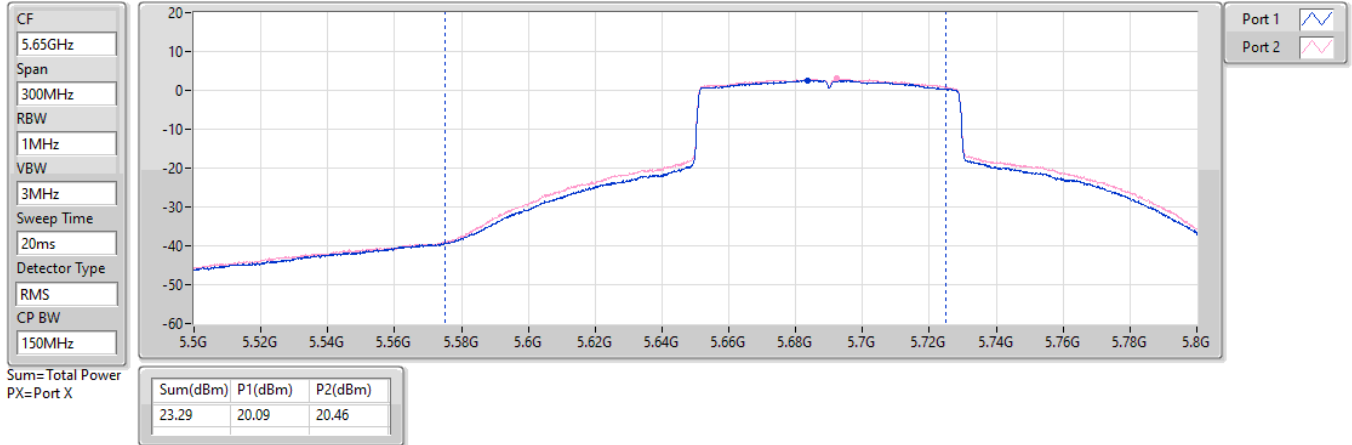


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

23/11/2022

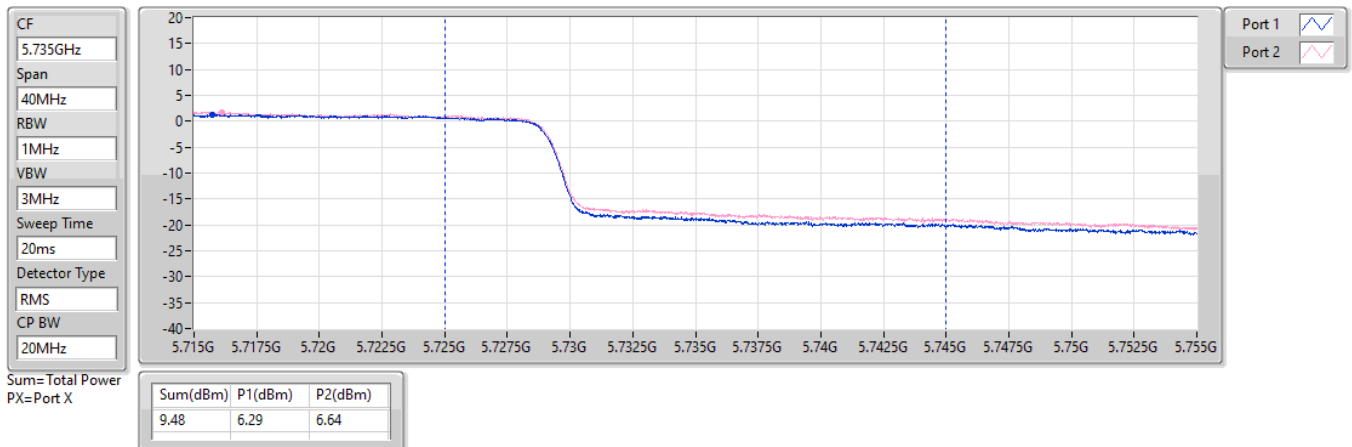


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

23/11/2022



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.26	0.13366	29.49	0.88920
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.22	0.13243	29.45	0.88105
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	19.35	0.08610	27.58	0.57280
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.26	0.13366	29.49	0.88920
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.25	0.13335	29.48	0.88716
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	21.21	0.13213	29.44	0.87902
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	15.06	0.03206	23.29	0.21330
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	10.81	0.01205	19.04	0.08017
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	6.79	0.00478	15.02	0.03177

**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	-	-	-	-	-	-	-	-
5260MHz	Pass	8.23	18.18	18.31	21.26	21.75	29.49	30.00
5300MHz	Pass	8.23	18.12	18.28	21.21	21.75	29.44	30.00
5320MHz	Pass	8.23	18.10	18.33	21.23	21.75	29.46	30.00
5500MHz	Pass	8.23	18.26	18.23	21.26	21.75	29.49	30.00
5580MHz	Pass	8.23	18.06	18.32	21.20	21.75	29.43	30.00
5700MHz	Pass	8.23	18.05	18.42	21.25	21.75	29.48	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.23	17.62	17.69	20.67	21.17	28.90	29.40
5720MHz Straddle 5.725-5.85GHz	Pass	8.23	12.06	12.04	15.06	27.77	23.29	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.23	18.12	18.26	21.20	21.75	29.43	30.00
5310MHz	Pass	8.23	18.08	18.33	21.22	21.75	29.45	30.00
5510MHz	Pass	8.23	18.12	18.13	21.14	21.75	29.37	30.00
5550MHz	Pass	8.23	18.18	18.28	21.24	21.75	29.47	30.00
5670MHz	Pass	8.23	18.17	18.31	21.25	21.75	29.48	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.23	17.89	18.08	21.00	21.75	29.23	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.23	7.61	7.98	10.81	27.77	19.04	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.23	16.26	16.41	19.35	21.75	27.58	30.00
5530MHz	Pass	8.23	16.04	16.05	19.06	21.75	27.29	30.00
5610MHz	Pass	8.23	18.14	18.26	21.21	21.75	29.44	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.23	17.91	18.09	21.01	21.75	29.24	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.23	3.72	3.84	6.79	27.77	15.02	36.00

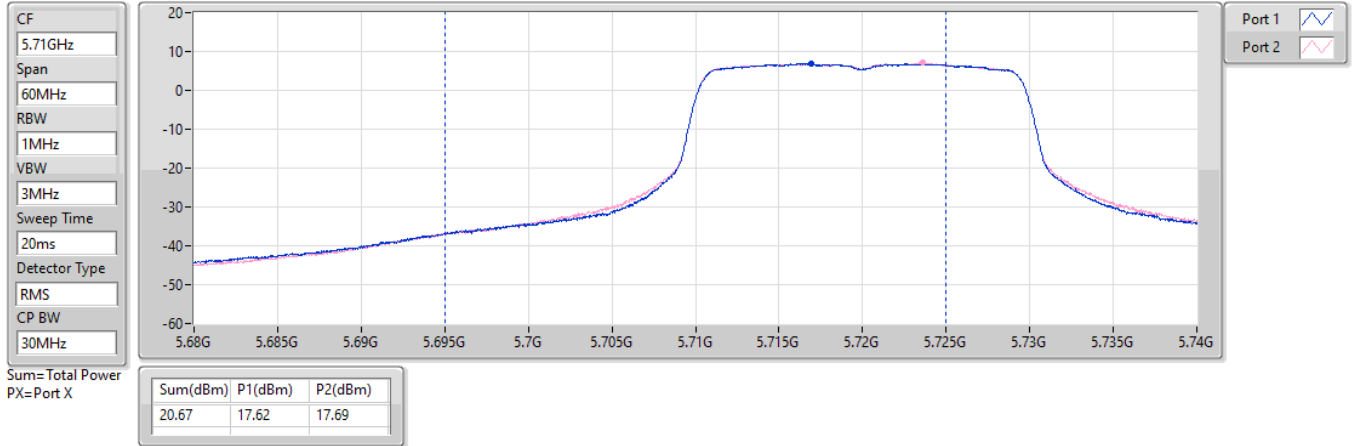
DG = Directional Gain; Port X = Port X output power

5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

24/11/2022

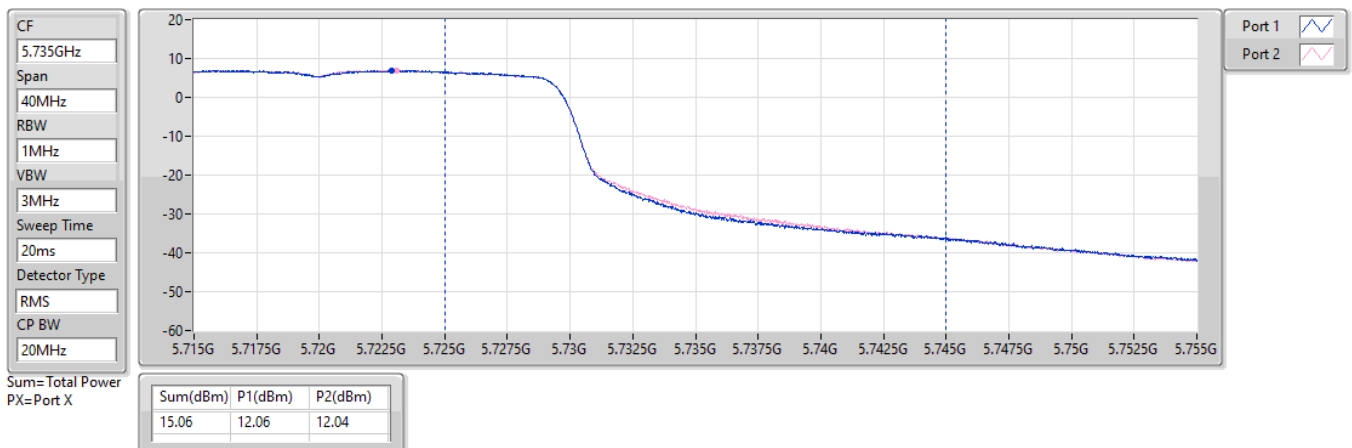


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

24/11/2022

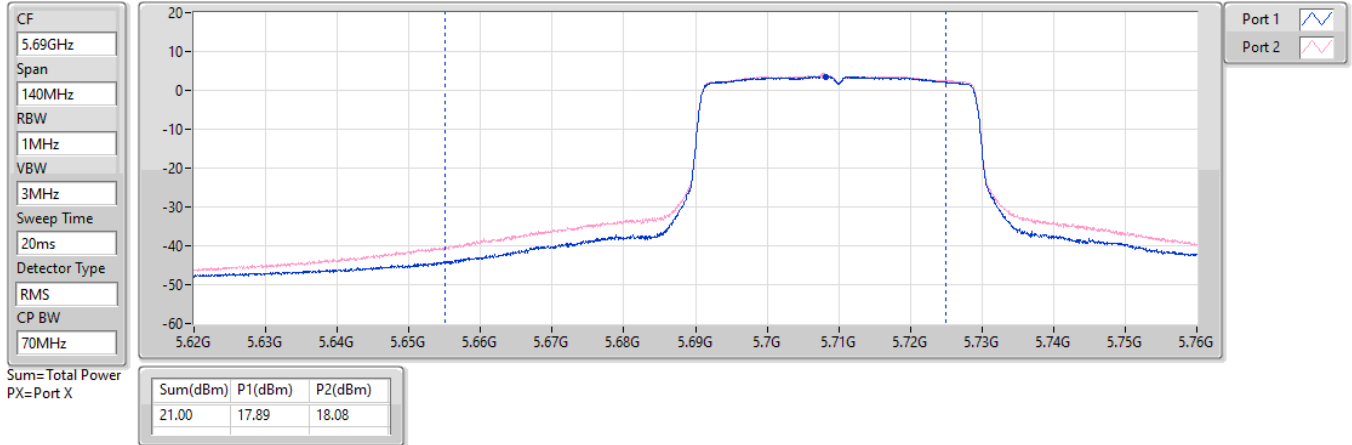


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

24/11/2022

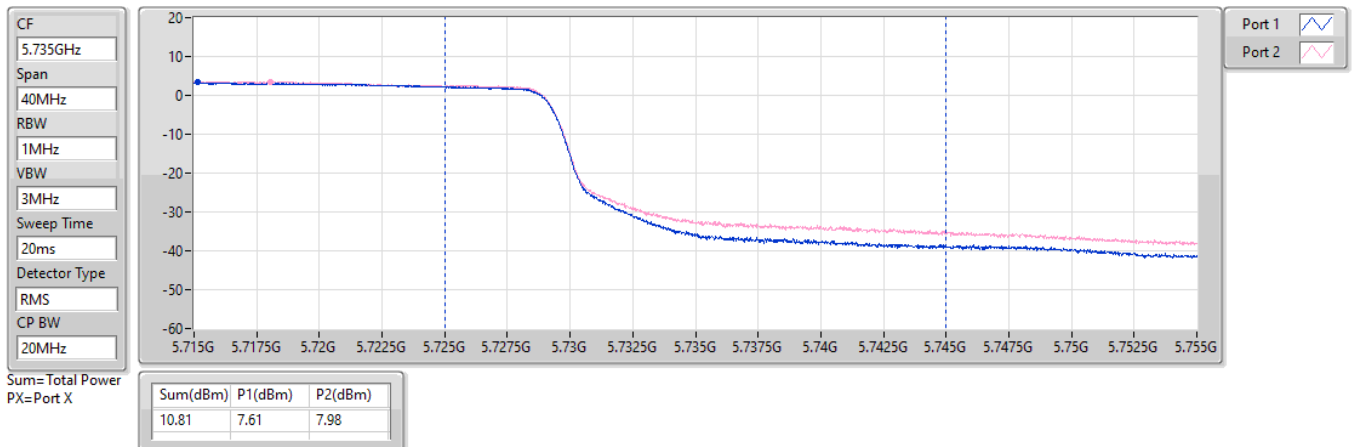


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

24/11/2022

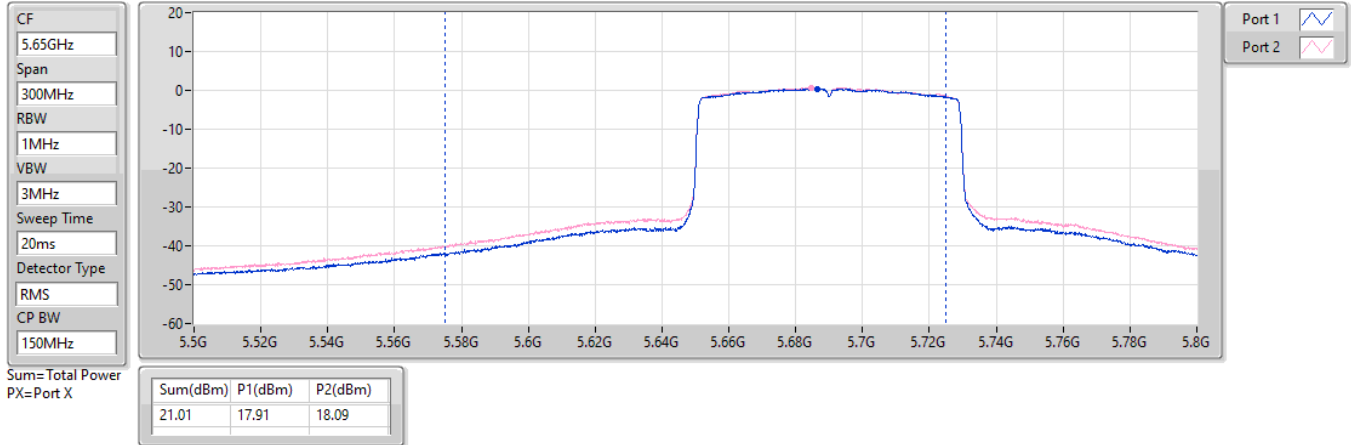


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

24/11/2022

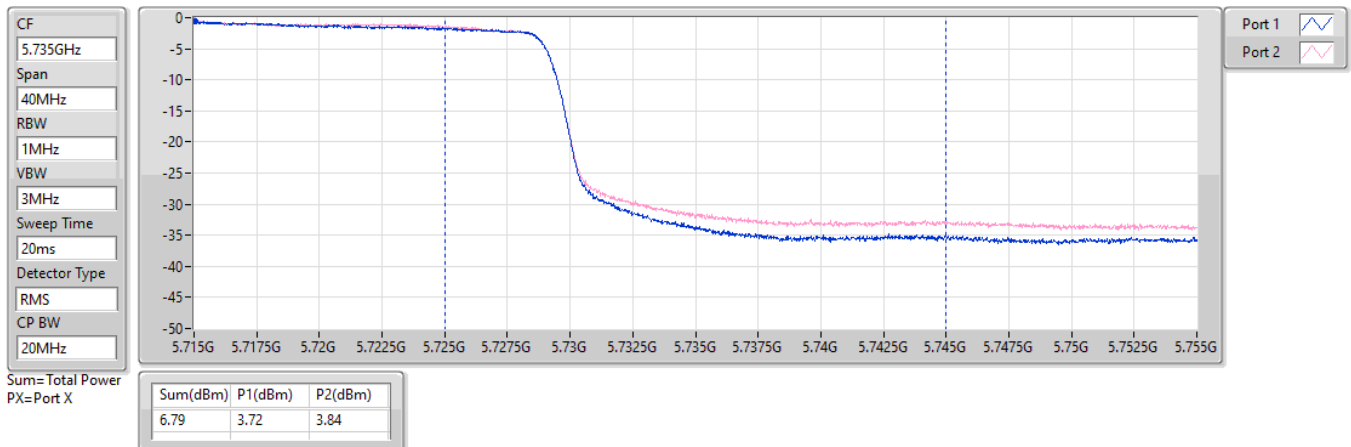


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

24/11/2022



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.51	16.74
802.11ax HEW20_Nss1,(MCS0)_2TX	8.60	16.83
802.11ax HEW40_Nss1,(MCS0)_2TX	6.99	15.22
802.11ax HEW80_Nss1,(MCS0)_2TX	0.25	8.48
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.74	16.97
802.11ax HEW20_Nss1,(MCS0)_2TX	8.68	16.91
802.11ax HEW40_Nss1,(MCS0)_2TX	7.19	15.42
802.11ax HEW80_Nss1,(MCS0)_2TX	4.21	12.44
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	6.67	14.90
802.11ax HEW20_Nss1,(MCS0)_2TX	6.64	14.87
802.11ax HEW40_Nss1,(MCS0)_2TX	4.69	12.92
802.11ax HEW80_Nss1,(MCS0)_2TX	0.87	9.10

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	-	-	-	-	-	-	-	-
5260MHz	Pass	8.23	5.39	5.54	8.43	8.77	16.66	17.00
5300MHz	Pass	8.23	5.47	5.65	8.51	8.77	16.74	17.00
5320MHz	Pass	8.23	5.34	5.58	8.41	8.77	16.64	17.00
5500MHz	Pass	8.23	5.71	5.89	8.74	8.77	16.97	17.00
5580MHz	Pass	8.23	5.57	5.76	8.59	8.77	16.82	17.00
5700MHz	Pass	8.23	5.50	5.73	8.55	8.77	16.78	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.23	5.26	5.89	8.53	8.77	16.76	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.23	3.45	3.92	6.67	27.77	14.90	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.23	5.48	5.71	8.60	8.77	16.83	17.00
5300MHz	Pass	8.23	5.52	5.80	8.55	8.77	16.78	17.00
5320MHz	Pass	8.23	5.44	5.87	8.51	8.77	16.74	17.00
5500MHz	Pass	8.23	5.26	5.28	8.19	8.77	16.42	17.00
5580MHz	Pass	8.23	5.63	5.81	8.68	8.77	16.91	17.00
5700MHz	Pass	8.23	5.14	5.31	8.13	8.77	16.36	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.23	5.50	5.91	8.59	8.77	16.82	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.23	3.44	3.97	6.64	27.77	14.87	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.23	4.01	4.23	6.99	8.77	15.22	17.00
5310MHz	Pass	8.23	2.47	2.82	5.63	8.77	13.86	17.00
5510MHz	Pass	8.23	2.46	2.43	5.37	8.77	13.60	17.00
5550MHz	Pass	8.23	3.78	3.70	6.70	8.77	14.93	17.00
5670MHz	Pass	8.23	2.59	2.67	5.59	8.77	13.82	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.23	4.13	4.25	7.19	8.77	15.42	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.23	1.71	1.70	4.69	27.77	12.92	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.23	-2.83	-2.61	0.25	8.77	8.48	17.00
5530MHz	Pass	8.23	-3.17	-3.05	-0.17	8.77	8.06	17.00
5610MHz	Pass	8.23	0.78	1.06	3.91	8.77	12.14	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.23	1.09	1.45	4.21	8.77	12.44	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.23	-2.36	-1.94	0.87	27.77	9.10	36.00

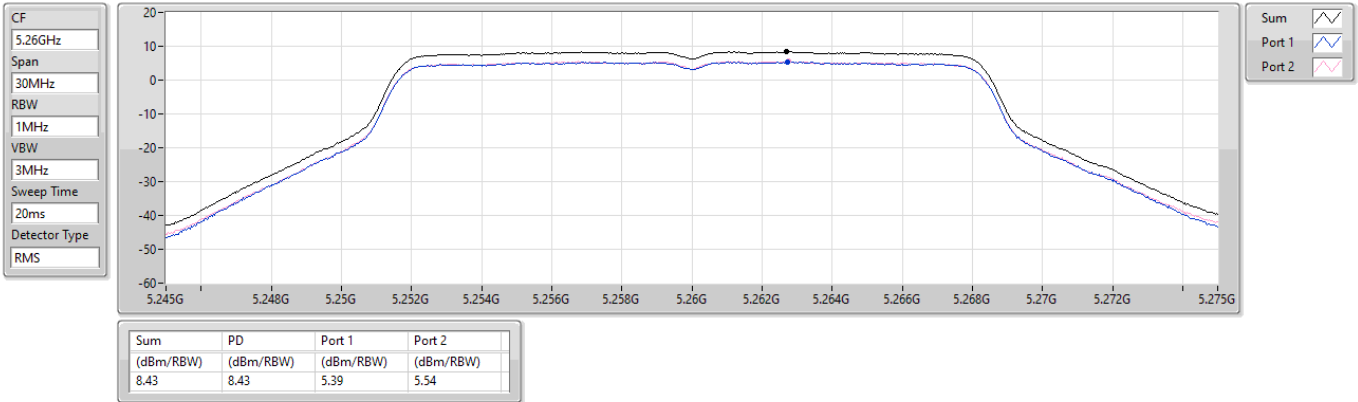
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

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

PSD

5260MHz

23/11/2022

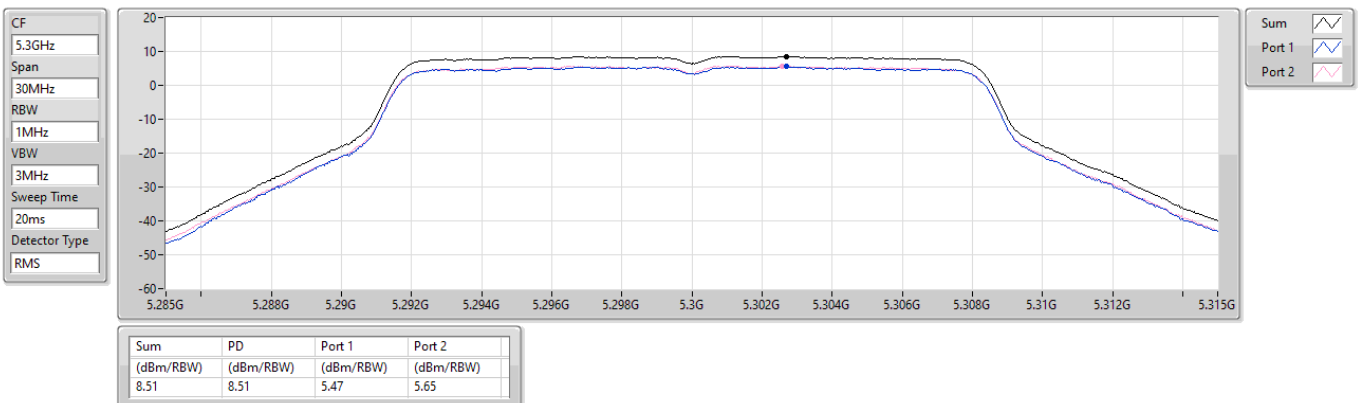


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

23/11/2022

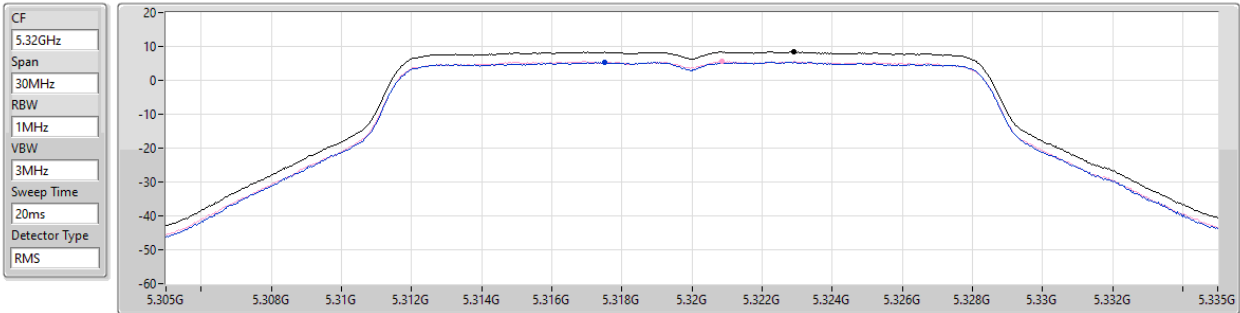


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5320MHz

PSD

23/11/2022



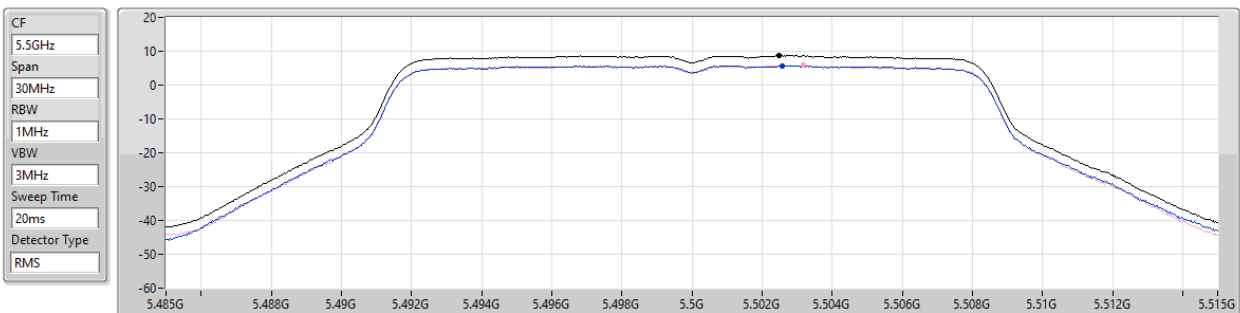
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.41	8.41	5.34	5.58

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

5500MHz

PSD

23/11/2022



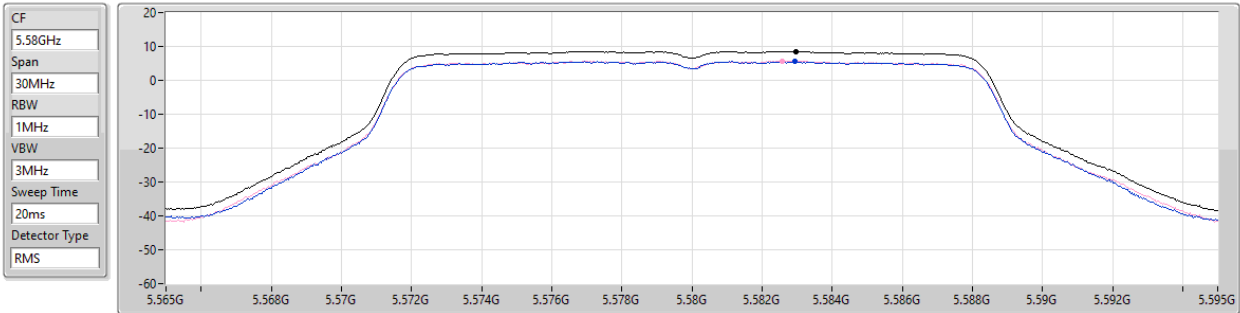
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.74	8.74	5.71	5.89

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

5580MHz

PSD

23/11/2022



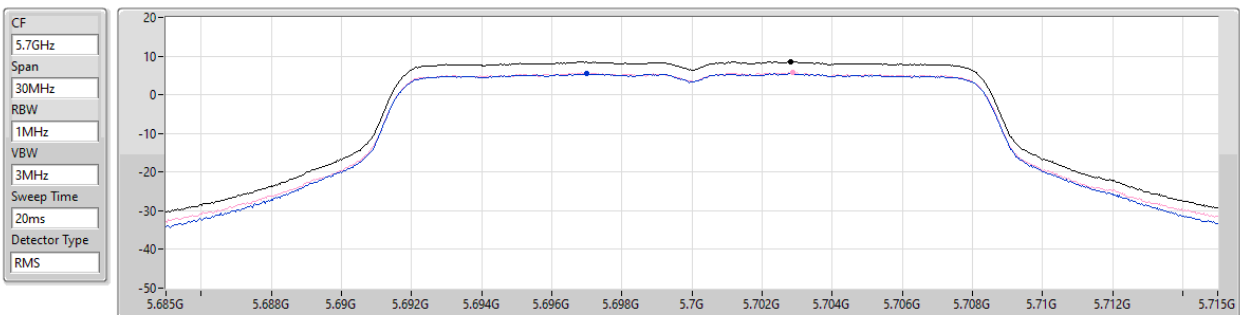
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.59	8.59	5.57	5.76

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

5700MHz

PSD

23/11/2022



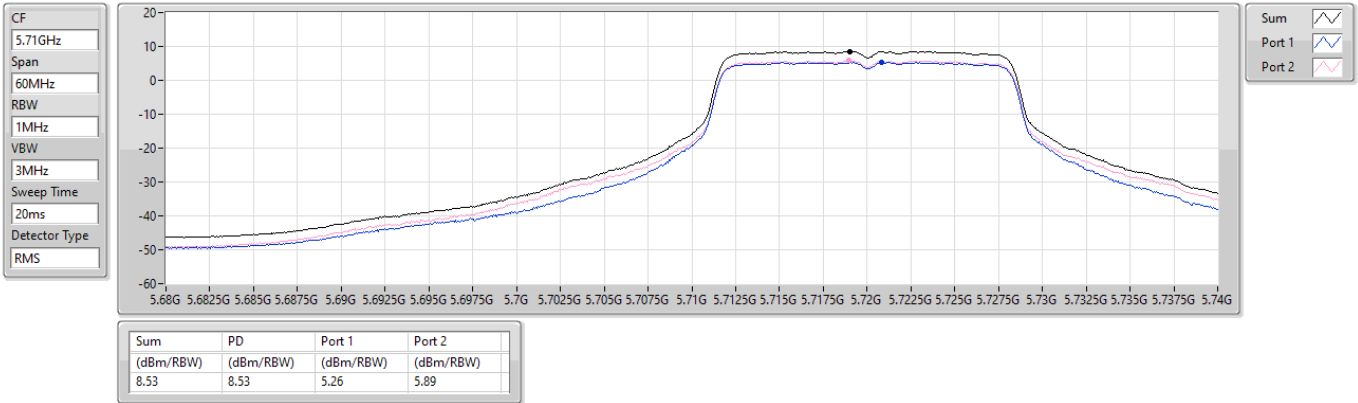
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.55	8.55	5.50	5.73

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

5720MHz Straddle 5.47-5.725GHz

PSD

23/11/2022

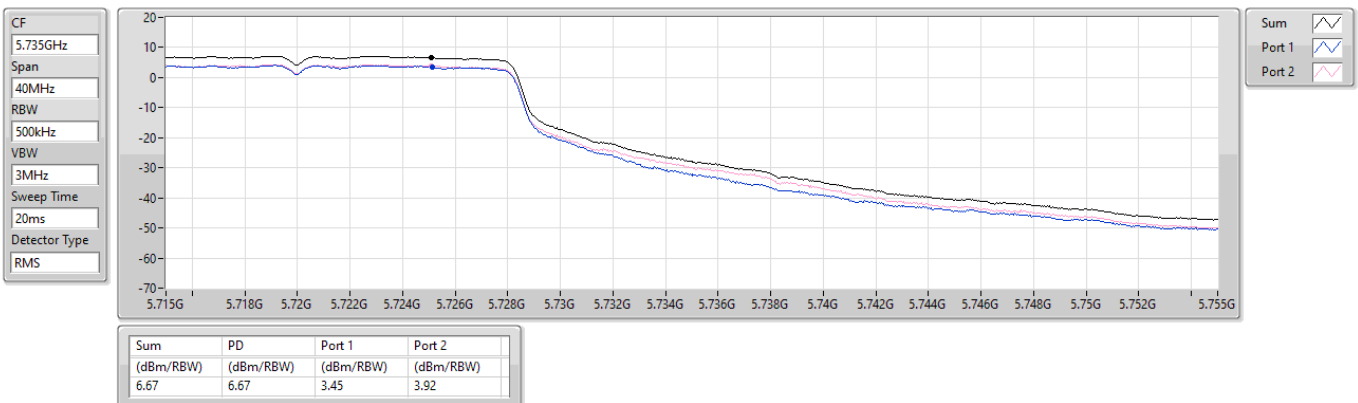


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

23/11/2022

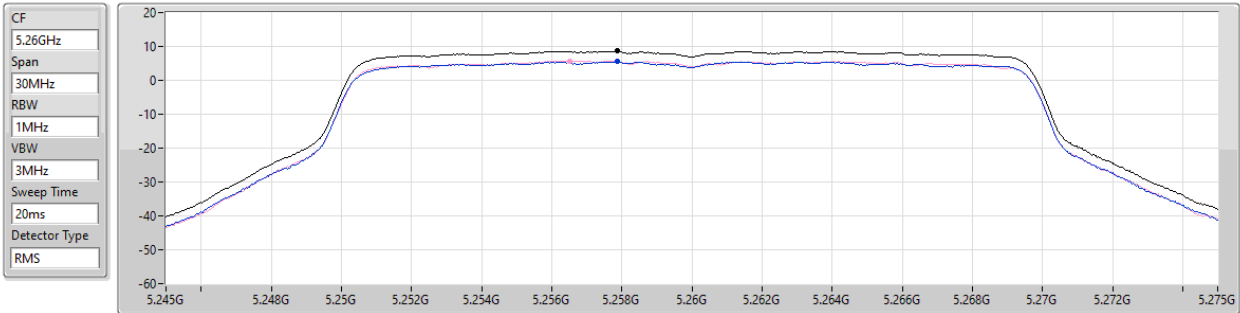


5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz

PSD

23/11/2022



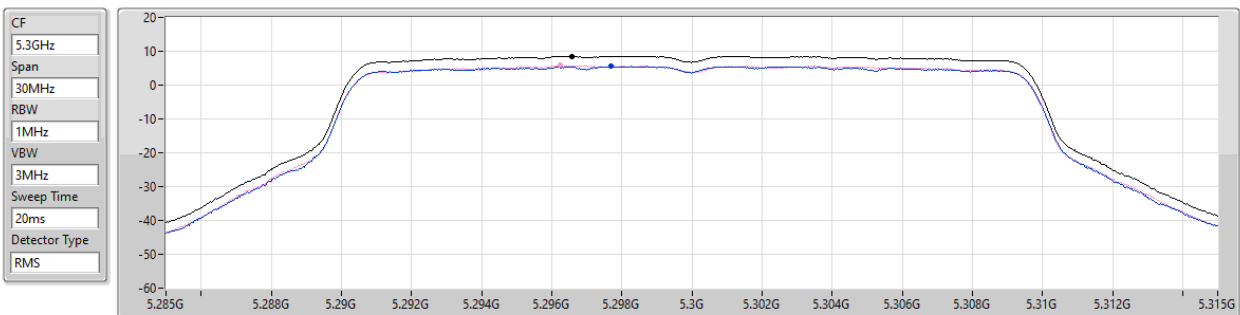
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.60	8.60	5.48	5.71

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

5300MHz

PSD

23/11/2022



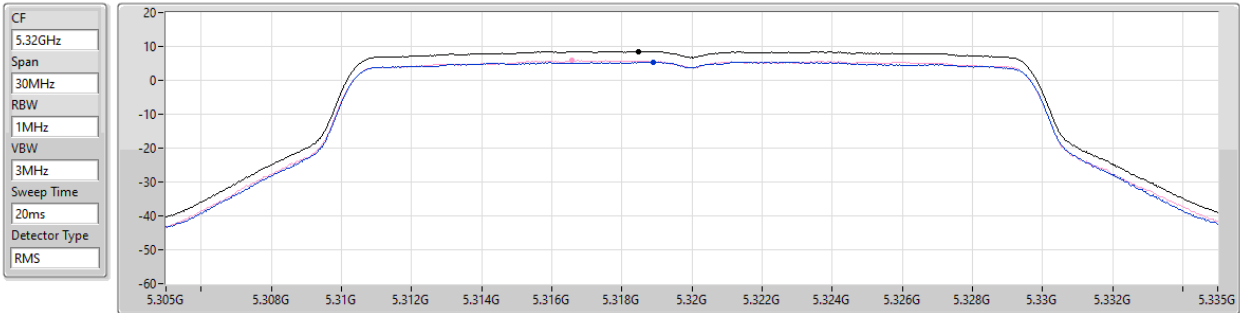
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.55	8.55	5.52	5.80

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

5320MHz

PSD

23/11/2022



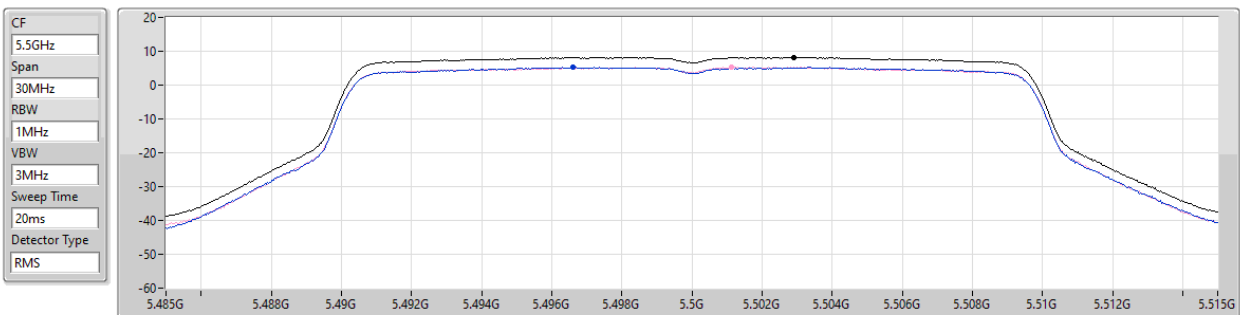
Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
8.51	8.51	5.44	5.87

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

5500MHz

PSD

23/11/2022



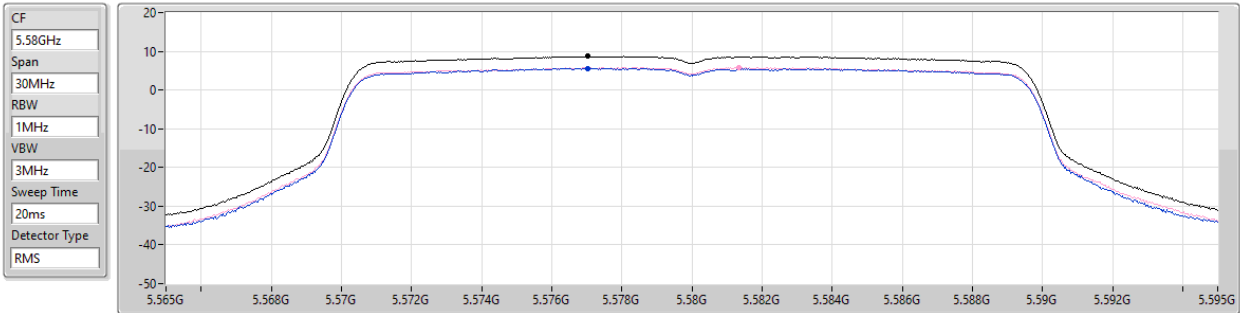
Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
8.19	8.19	5.26	5.28

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

5580MHz

PSD

23/11/2022



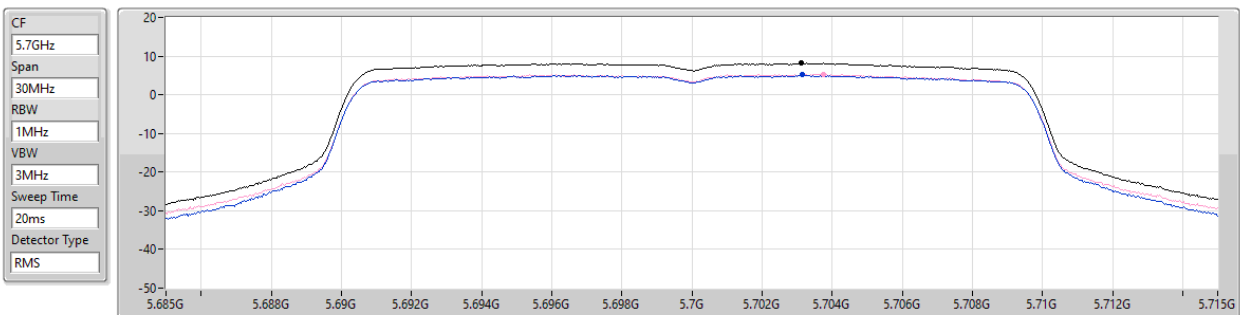
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.68	8.68	5.63	5.81

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

5700MHz

PSD

23/11/2022



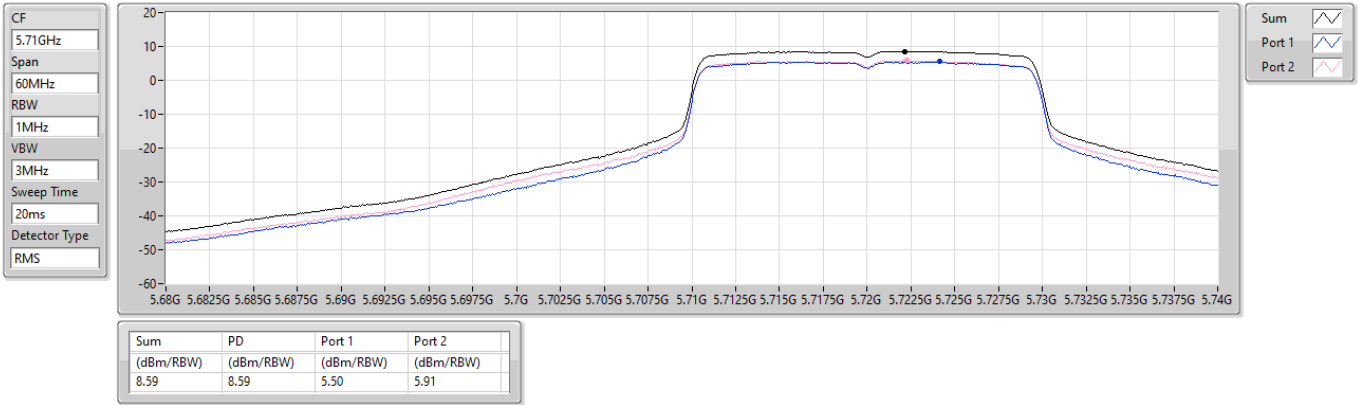
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.13	8.13	5.14	5.31

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

5720MHz Straddle 5.47-5.725GHz

PSD

23/11/2022

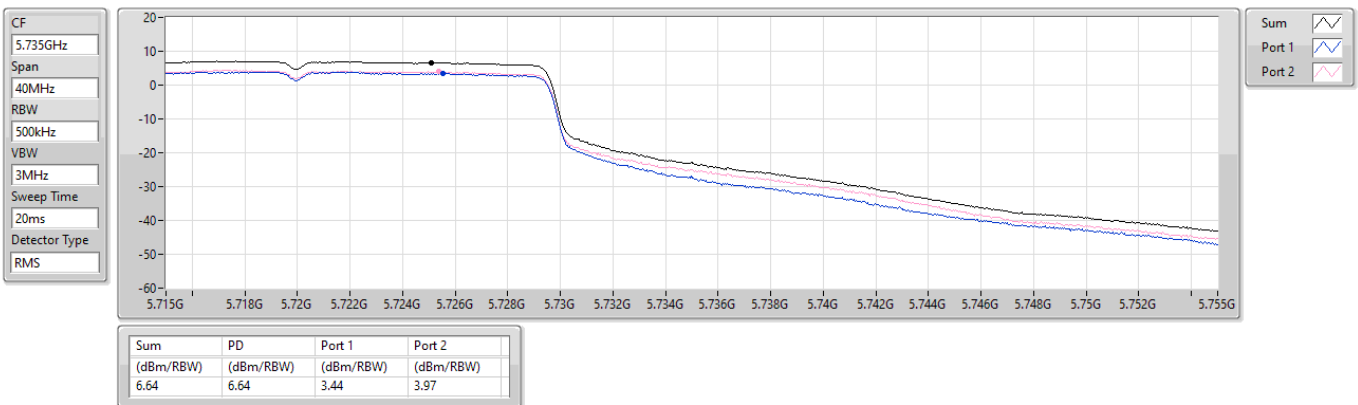


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

23/11/2022

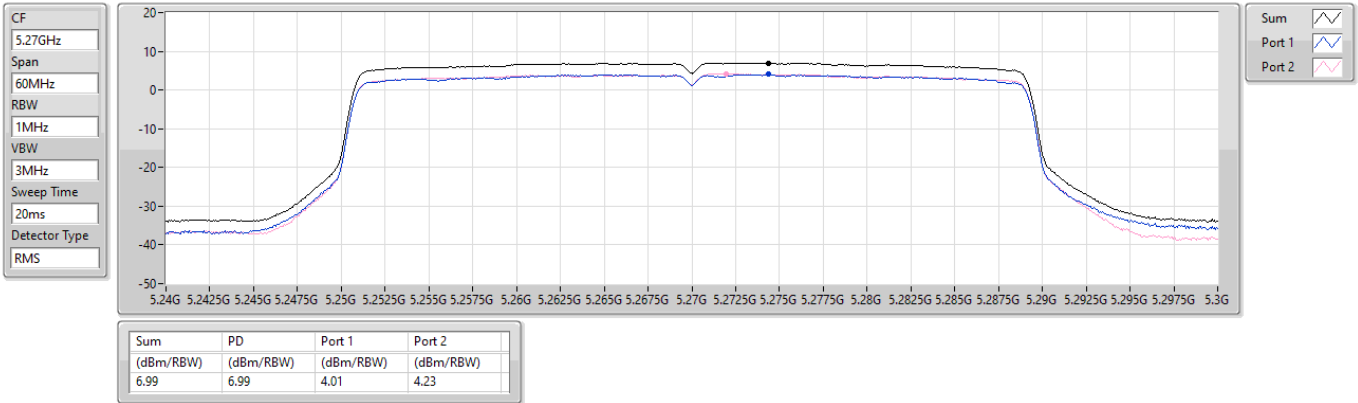


5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz

PSD

23/11/2022



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

5310MHz

PSD

23/11/2022

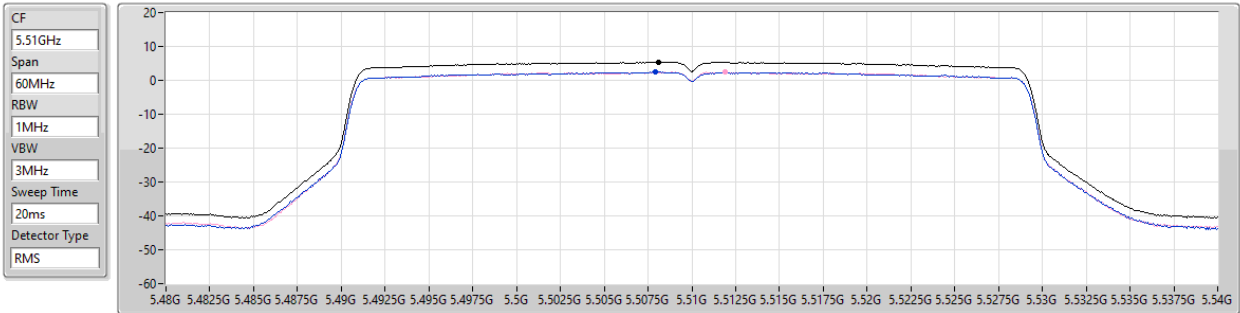


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5510MHz

PSD

23/11/2022



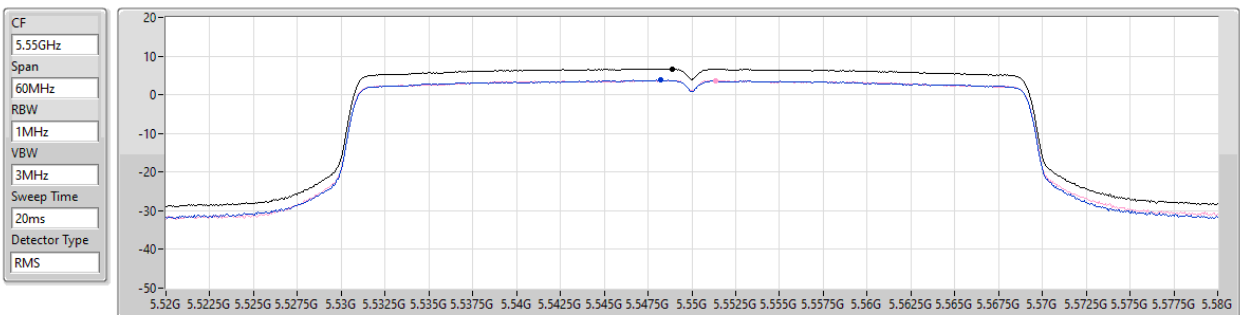
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.37	5.37	2.46	2.43

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

5550MHz

PSD

23/11/2022



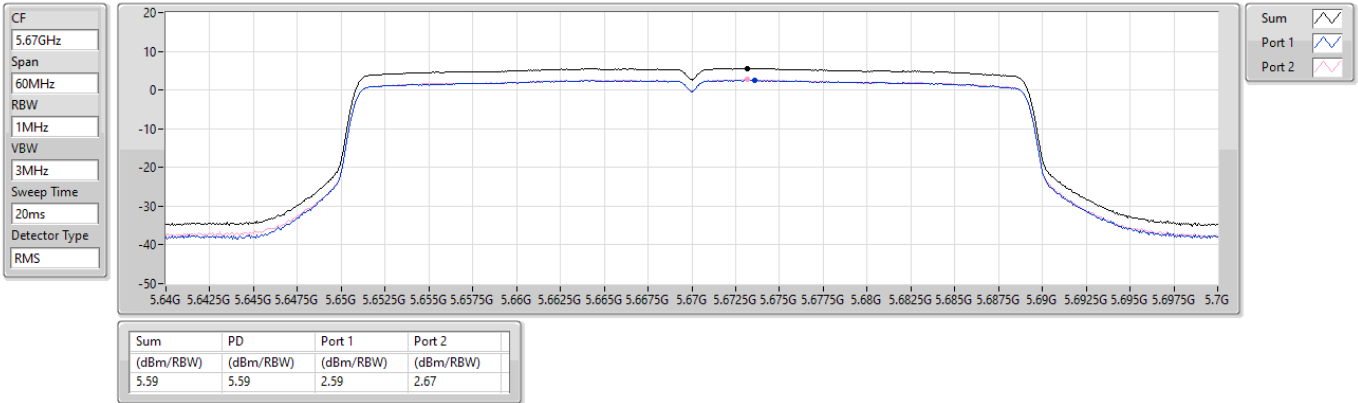
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.70	6.70	3.78	3.70

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

5670MHz

PSD

23/11/2022

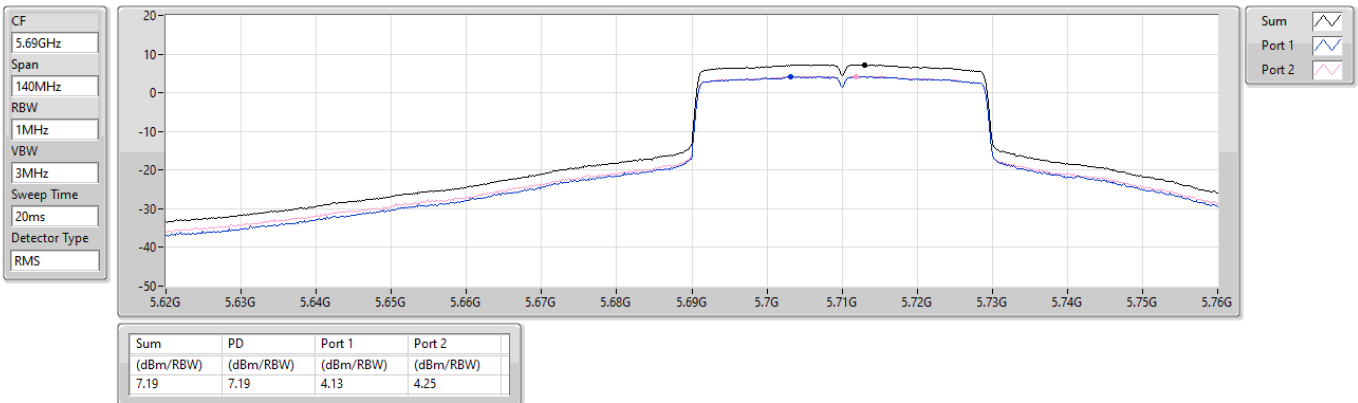


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz

PSD

23/11/2022

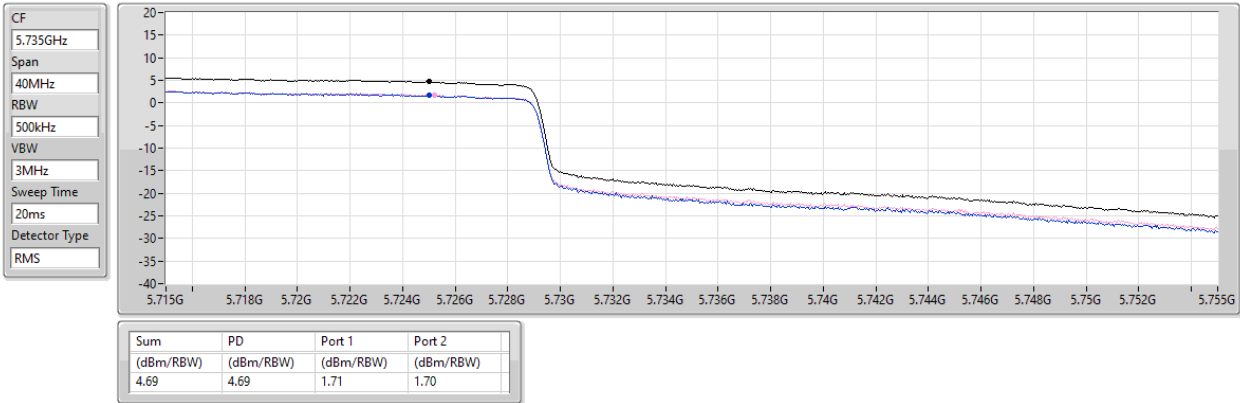


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.725-5.85GHz

PSD

23/11/2022

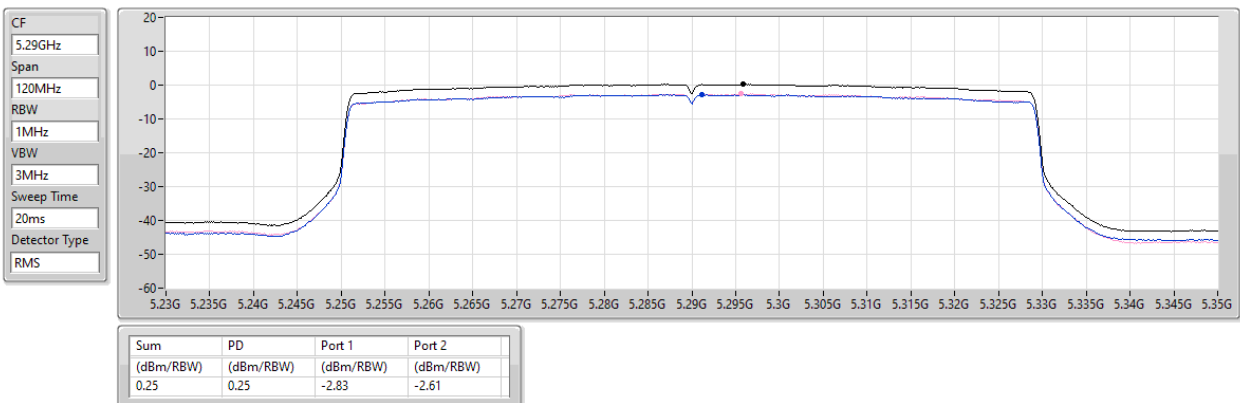


5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz

PSD

23/11/2022

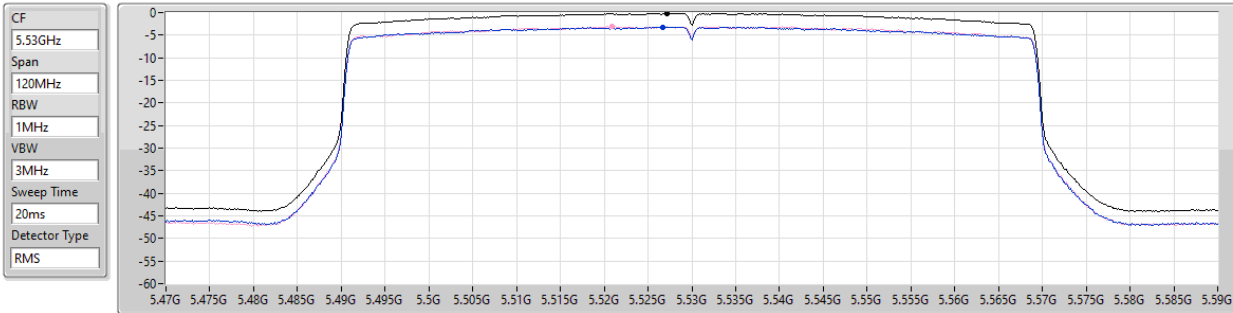


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5530MHz

PSD

23/11/2022



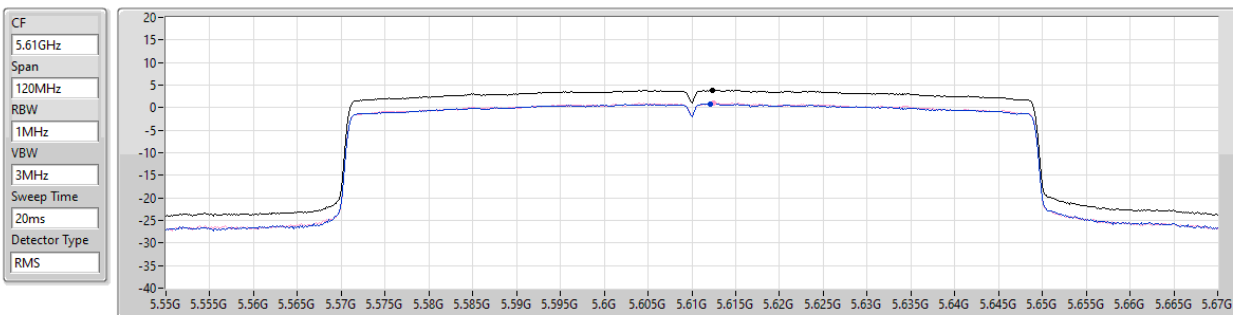
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.17	-0.17	-3.17	-3.05

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

5610MHz

PSD

23/11/2022



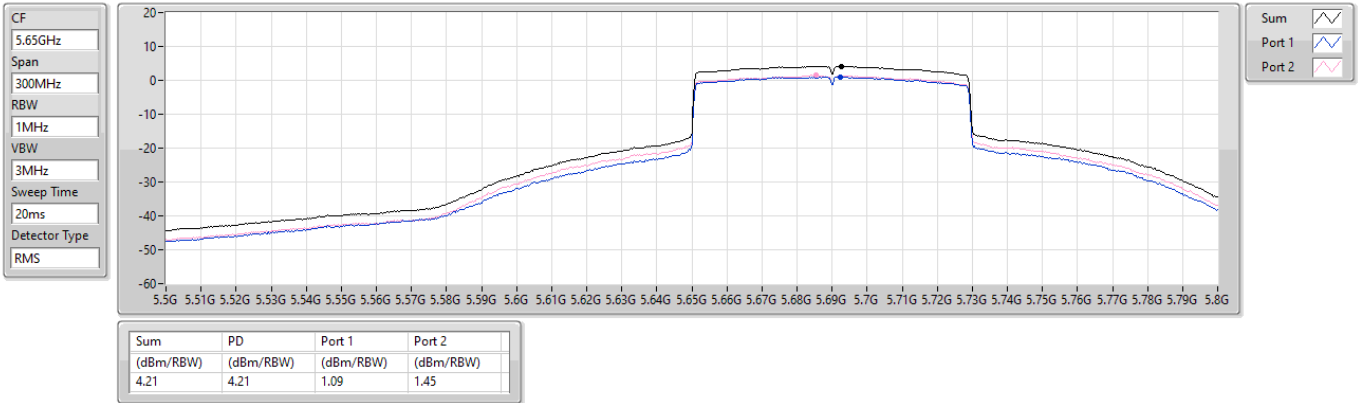
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.91	3.91	0.78	1.06

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

5690MHz Straddle 5.47-5.725GHz

PSD

23/11/2022

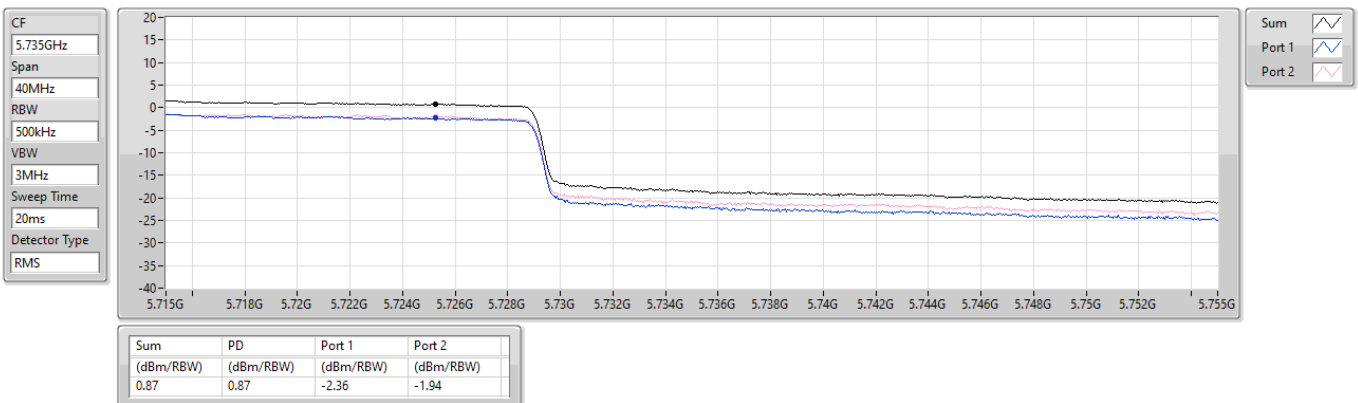


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.725-5.85GHz

PSD

23/11/2022



**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.35G	52.70	54.00	-1.30	3	Horizontal	34	2.18
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.351G	52.29	54.00	-1.71	3	Horizontal	134	2.39
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.3548G	52.79	54.00	-1.21	3	Horizontal	32	2.43
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.3524G	53.69	54.00	-0.31	3	Horizontal	29	2.96
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	16.74024G	67.21	68.20	-0.99	3	Horizontal	60	1.88
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	PK	17.16018G	67.79	68.20	-0.41	3	Horizontal	77	1.89
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	5.4624G	67.50	68.20	-0.70	3	Horizontal	20	2.01
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.457G	53.45	54.00	-0.55	3	Horizontal	42	2.86

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	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.14G	46.39	54.00	-7.61	3	Vertical	143	2.03
5260MHz	Pass	AV	5.2594G	101.73	Inf	-Inf	3	Vertical	143	2.03
5260MHz	Pass	AV	5.3788G	46.16	54.00	-7.84	3	Vertical	143	2.03
5260MHz	Pass	PK	5.137G	57.66	74.00	-16.34	3	Vertical	143	2.03
5260MHz	Pass	PK	5.2594G	110.17	Inf	-Inf	3	Vertical	143	2.03
5260MHz	Pass	PK	5.3752G	58.49	74.00	-15.51	3	Vertical	143	2.03
5260MHz	Pass	AV	5.15G	46.50	54.00	-7.50	3	Horizontal	128	2.35
5260MHz	Pass	AV	5.263G	105.13	Inf	-Inf	3	Horizontal	128	2.35
5260MHz	Pass	AV	5.3566G	46.23	54.00	-7.77	3	Horizontal	128	2.35
5260MHz	Pass	PK	5.14G	58.57	74.00	-15.43	3	Horizontal	128	2.35
5260MHz	Pass	PK	5.2636G	114.10	Inf	-Inf	3	Horizontal	128	2.35
5260MHz	Pass	PK	5.4046G	57.81	74.00	-16.19	3	Horizontal	128	2.35
5260MHz	Pass	AV	15.78228G	47.66	54.00	-6.34	3	Vertical	360	1.01
5260MHz	Pass	PK	10.52222G	53.59	68.20	-14.61	3	Vertical	16	1.80
5260MHz	Pass	PK	15.78228G	59.69	74.00	-14.31	3	Vertical	360	1.01
5260MHz	Pass	AV	15.78192G	48.15	54.00	-5.85	3	Horizontal	30	2.06
5260MHz	Pass	PK	10.51777G	53.91	68.20	-14.29	3	Horizontal	317	1.04
5260MHz	Pass	PK	15.78174G	60.17	74.00	-13.83	3	Horizontal	30	2.06
5300MHz	Pass	AV	5.2968G	100.67	Inf	-Inf	3	Vertical	144	2.07
5300MHz	Pass	AV	5.3572G	46.41	54.00	-7.59	3	Vertical	144	2.07
5300MHz	Pass	PK	5.2968G	109.75	Inf	-Inf	3	Vertical	144	2.07
5300MHz	Pass	PK	5.3884G	57.82	74.00	-16.18	3	Vertical	144	2.07
5300MHz	Pass	AV	5.2956G	103.62	Inf	-Inf	3	Horizontal	147	2.32
5300MHz	Pass	AV	5.3508G	46.88	54.00	-7.12	3	Horizontal	147	2.32
5300MHz	Pass	PK	5.2964G	112.85	Inf	-Inf	3	Horizontal	147	2.32
5300MHz	Pass	PK	5.3644G	58.63	74.00	-15.37	3	Horizontal	147	2.32
5300MHz	Pass	AV	15.9024G	47.99	54.00	-6.01	3	Vertical	346	1.82
5300MHz	Pass	PK	10.59848G	53.72	68.20	-14.48	3	Vertical	292	1.34
5300MHz	Pass	PK	15.8979G	59.34	74.00	-14.66	3	Vertical	346	1.82
5300MHz	Pass	AV	15.90222G	47.99	54.00	-6.01	3	Horizontal	329	1.02
5300MHz	Pass	PK	10.6013G	53.99	74.00	-20.01	3	Horizontal	233	2.15
5300MHz	Pass	PK	15.90138G	59.41	74.00	-14.59	3	Horizontal	329	1.02
5320MHz	Pass	AV	5.3168G	105.20	Inf	-Inf	3	Vertical	12	1.04
5320MHz	Pass	AV	5.3514G	51.14	54.00	-2.86	3	Vertical	12	1.04
5320MHz	Pass	PK	5.3168G	115.71	Inf	-Inf	3	Vertical	12	1.04
5320MHz	Pass	PK	5.3502G	63.13	74.00	-10.87	3	Vertical	12	1.04
5320MHz	Pass	AV	5.3194G	107.46	Inf	-Inf	3	Horizontal	34	2.18
5320MHz	Pass	AV	5.35G	52.70	54.00	-1.30	3	Horizontal	34	2.18
5320MHz	Pass	PK	5.3192G	117.52	Inf	-Inf	3	Horizontal	34	2.18
5320MHz	Pass	PK	5.3502G	65.46	74.00	-8.54	3	Horizontal	34	2.18
5320MHz	Pass	AV	10.64918G	42.83	54.00	-11.17	3	Vertical	256	2.28
5320MHz	Pass	AV	15.9717G	50.25	54.00	-3.75	3	Vertical	294	1.50
5320MHz	Pass	PK	10.63868G	55.60	74.00	-18.40	3	Vertical	256	2.28
5320MHz	Pass	PK	15.97182G	63.03	74.00	-10.97	3	Vertical	294	1.50
5320MHz	Pass	AV	10.64G	43.14	54.00	-10.86	3	Horizontal	158	2.24
5320MHz	Pass	AV	15.96894G	50.13	54.00	-3.87	3	Horizontal	167	1.50
5320MHz	Pass	PK	10.6394G	55.52	74.00	-18.48	3	Horizontal	158	2.24
5320MHz	Pass	PK	15.9663G	62.69	74.00	-11.31	3	Horizontal	167	1.50
5500MHz	Pass	AV	5.4566G	50.74	54.00	-3.26	3	Vertical	14	1.00
5500MHz	Pass	AV	5.4968G	106.23	Inf	-Inf	3	Vertical	14	1.00
5500MHz	Pass	PK	5.466G	65.78	68.20	-2.42	3	Vertical	14	1.00
5500MHz	Pass	PK	5.4968G	116.73	Inf	-Inf	3	Vertical	14	1.00
5500MHz	Pass	AV	5.458G	51.16	54.00	-2.84	3	Horizontal	22	1.99
5500MHz	Pass	AV	5.4988G	107.19	Inf	-Inf	3	Horizontal	22	1.99
5500MHz	Pass	PK	5.4684G	66.05	68.20	-2.15	3	Horizontal	22	1.99
5500MHz	Pass	PK	5.4938G	117.30	Inf	-Inf	3	Horizontal	22	1.99
5500MHz	Pass	AV	10.9889G	42.63	54.00	-11.37	3	Vertical	168	1.95
5500MHz	Pass	PK	11.01302G	55.00	74.00	-19.00	3	Vertical	168	1.95
5500MHz	Pass	PK	16.5012G	65.12	68.20	-3.08	3	Vertical	11	2.27
5500MHz	Pass	AV	10.99988G	43.12	54.00	-10.88	3	Horizontal	134	1.81

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5500MHz	Pass	PK	11G	56.05	74.00	-17.95	3	Horizontal	134	1.81
5500MHz	Pass	PK	16.50216G	66.00	68.20	-2.20	3	Horizontal	70	2.11
5580MHz	Pass	AV	5.4576G	46.22	54.00	-7.78	3	Vertical	104	1.31
5580MHz	Pass	AV	5.5824G	100.45	Inf	-Inf	3	Vertical	104	1.31
5580MHz	Pass	PK	5.4624G	58.52	68.20	-9.68	3	Vertical	104	1.31
5580MHz	Pass	PK	5.5872G	109.85	Inf	-Inf	3	Vertical	104	1.31
5580MHz	Pass	PK	5.7276G	58.56	68.20	-9.64	3	Vertical	104	1.31
5580MHz	Pass	AV	5.4462G	46.53	54.00	-7.47	3	Horizontal	85	2.98
5580MHz	Pass	AV	5.5764G	106.05	Inf	-Inf	3	Horizontal	85	2.98
5580MHz	Pass	PK	5.4648G	57.61	68.20	-10.59	3	Horizontal	85	2.98
5580MHz	Pass	PK	5.577G	115.40	Inf	-Inf	3	Horizontal	85	2.98
5580MHz	Pass	PK	5.7282G	58.82	68.20	-9.38	3	Horizontal	85	2.98
5580MHz	Pass	AV	11.16211G	42.42	54.00	-11.58	3	Vertical	198	1.14
5580MHz	Pass	PK	11.16178G	53.68	74.00	-20.32	3	Vertical	198	1.14
5580MHz	Pass	PK	16.74408G	66.26	68.20	-1.94	3	Vertical	12	1.66
5580MHz	Pass	AV	11.16227G	42.42	54.00	-11.58	3	Horizontal	219	2.54
5580MHz	Pass	PK	11.15815G	54.29	74.00	-19.71	3	Horizontal	219	2.54
5580MHz	Pass	PK	16.74024G	67.21	68.20	-0.99	3	Horizontal	60	1.88
5700MHz	Pass	AV	5.6968G	97.73	Inf	-Inf	3	Vertical	100	1.00
5700MHz	Pass	PK	5.702G	107.03	Inf	-Inf	3	Vertical	100	1.00
5700MHz	Pass	PK	5.7264G	64.90	68.20	-3.30	3	Vertical	100	1.00
5700MHz	Pass	AV	5.6968G	102.01	Inf	-Inf	3	Horizontal	85	2.98
5700MHz	Pass	PK	5.6968G	111.17	Inf	-Inf	3	Horizontal	85	2.98
5700MHz	Pass	PK	5.726G	65.96	68.20	-2.24	3	Horizontal	85	2.98
5700MHz	Pass	AV	11.40053G	42.93	54.00	-11.07	3	Vertical	102	2.28
5700MHz	Pass	PK	11.39899G	54.36	74.00	-19.64	3	Vertical	102	2.28
5700MHz	Pass	PK	17.09904G	59.82	68.20	-8.38	3	Vertical	5	1.50
5700MHz	Pass	AV	11.39951G	42.83	54.00	-11.17	3	Horizontal	347	1.14
5700MHz	Pass	PK	11.40108G	54.78	74.00	-19.22	3	Horizontal	347	1.14
5700MHz	Pass	PK	17.09466G	59.48	68.20	-8.72	3	Horizontal	349	1.49
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.721G	101.23	Inf	-Inf	3	Vertical	141	1.02
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.716G	110.12	Inf	-Inf	3	Vertical	141	1.02
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.943G	60.73	68.20	-7.47	3	Vertical	141	1.02
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.723G	104.98	Inf	-Inf	3	Horizontal	115	3.00
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.723G	114.17	Inf	-Inf	3	Horizontal	115	3.00
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.879G	60.88	68.20	-7.32	3	Horizontal	115	3.00
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43802G	42.77	54.00	-11.23	3	Vertical	30	2.59
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43839G	54.49	74.00	-19.51	3	Vertical	30	2.59
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.1546G	66.82	68.20	-1.38	3	Vertical	8	1.63
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43805G	42.86	54.00	-11.14	3	Horizontal	236	1.43
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44175G	54.21	74.00	-19.79	3	Horizontal	236	1.43
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.16426G	64.15	68.20	-4.05	3	Horizontal	8	1.62
802.11ax HEW20_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1466G	45.91	54.00	-8.09	3	Vertical	144	2.03
5260MHz	Pass	AV	5.263G	100.63	Inf	-Inf	3	Vertical	144	2.03
5260MHz	Pass	AV	5.3764G	45.77	54.00	-8.23	3	Vertical	144	2.03
5260MHz	Pass	PK	5.1124G	58.82	74.00	-15.18	3	Vertical	144	2.03
5260MHz	Pass	PK	5.2618G	112.25	Inf	-Inf	3	Vertical	144	2.03
5260MHz	Pass	PK	5.374G	57.86	74.00	-16.14	3	Vertical	144	2.03
5260MHz	Pass	AV	5.149G	46.13	54.00	-7.87	3	Horizontal	129	2.24
5260MHz	Pass	AV	5.2618G	104.27	Inf	-Inf	3	Horizontal	129	2.24
5260MHz	Pass	AV	5.4082G	45.81	54.00	-8.19	3	Horizontal	129	2.24
5260MHz	Pass	PK	5.1106G	58.00	74.00	-16.00	3	Horizontal	129	2.24
5260MHz	Pass	PK	5.2624G	115.93	Inf	-Inf	3	Horizontal	129	2.24
5260MHz	Pass	PK	5.3938G	58.19	74.00	-15.81	3	Horizontal	129	2.24
5260MHz	Pass	AV	15.77466G	46.54	54.00	-7.46	3	Vertical	360	1.00
5260MHz	Pass	PK	10.52176G	53.85	68.20	-14.35	3	Vertical	246	1.04
5260MHz	Pass	PK	15.7848G	58.51	74.00	-15.49	3	Vertical	360	1.00
5260MHz	Pass	AV	15.77454G	46.63	54.00	-7.37	3	Horizontal	331	2.38
5260MHz	Pass	PK	10.51821G	53.74	68.20	-14.46	3	Horizontal	292	1.11
5260MHz	Pass	PK	15.77472G	60.33	74.00	-13.67	3	Horizontal	331	2.38
5300MHz	Pass	AV	5.3036G	99.84	Inf	-Inf	3	Vertical	143	1.71

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5300MHz	Pass	AV	5.3516G	46.20	54.00	-7.80	3	Vertical	143	1.71
5300MHz	Pass	PK	5.3028G	111.33	Inf	-Inf	3	Vertical	143	1.71
5300MHz	Pass	PK	5.3804G	58.03	74.00	-15.97	3	Vertical	143	1.71
5300MHz	Pass	AV	5.3012G	102.34	Inf	-Inf	3	Horizontal	149	2.33
5300MHz	Pass	AV	5.3504G	46.88	54.00	-7.12	3	Horizontal	149	2.33
5300MHz	Pass	PK	5.3008G	114.63	Inf	-Inf	3	Horizontal	149	2.33
5300MHz	Pass	PK	5.3504G	58.55	74.00	-15.45	3	Horizontal	149	2.33
5300MHz	Pass	AV	10.60033G	41.67	54.00	-12.33	3	Vertical	359	2.82
5300MHz	Pass	AV	15.89886G	46.62	54.00	-7.38	3	Vertical	340	1.90
5300MHz	Pass	PK	10.60875G	53.34	74.00	-20.66	3	Vertical	359	2.82
5300MHz	Pass	PK	15.89856G	59.27	74.00	-14.73	3	Vertical	340	1.90
5300MHz	Pass	AV	10.60226G	41.67	54.00	-12.33	3	Horizontal	237	2.30
5300MHz	Pass	AV	15.89898G	47.01	54.00	-6.99	3	Horizontal	325	2.05
5300MHz	Pass	PK	10.60058G	53.90	74.00	-20.10	3	Horizontal	237	2.30
5300MHz	Pass	PK	15.89958G	60.78	74.00	-13.22	3	Horizontal	325	2.05
5320MHz	Pass	AV	5.3238G	99.21	Inf	-Inf	3	Vertical	146	1.90
5320MHz	Pass	AV	5.3522G	49.24	54.00	-4.76	3	Vertical	146	1.90
5320MHz	Pass	PK	5.3236G	111.91	Inf	-Inf	3	Vertical	146	1.90
5320MHz	Pass	PK	5.3512G	62.65	74.00	-11.35	3	Vertical	146	1.90
5320MHz	Pass	AV	5.3218G	102.28	Inf	-Inf	3	Horizontal	134	2.39
5320MHz	Pass	AV	5.351G	52.29	54.00	-1.71	3	Horizontal	134	2.39
5320MHz	Pass	PK	5.3224G	114.81	Inf	-Inf	3	Horizontal	134	2.39
5320MHz	Pass	PK	5.3512G	66.98	74.00	-7.02	3	Horizontal	134	2.39
5320MHz	Pass	AV	10.64145G	41.64	54.00	-12.36	3	Vertical	123	2.12
5320MHz	Pass	AV	15.96396G	45.19	54.00	-8.81	3	Vertical	265	1.69
5320MHz	Pass	PK	10.63869G	54.06	74.00	-19.94	3	Vertical	123	2.12
5320MHz	Pass	PK	15.95058G	57.72	74.00	-16.28	3	Vertical	265	1.69
5320MHz	Pass	AV	10.63764G	41.65	54.00	-12.35	3	Horizontal	120	2.37
5320MHz	Pass	AV	15.95076G	45.24	54.00	-8.76	3	Horizontal	179	1.50
5320MHz	Pass	PK	10.63884G	53.84	74.00	-20.16	3	Horizontal	120	2.37
5320MHz	Pass	PK	15.95664G	58.19	74.00	-15.81	3	Horizontal	179	1.50
5500MHz	Pass	AV	5.46G	46.92	54.00	-7.08	3	Vertical	158	1.70
5500MHz	Pass	AV	5.5026G	98.88	Inf	-Inf	3	Vertical	158	1.70
5500MHz	Pass	PK	5.47G	65.36	68.20	-2.84	3	Vertical	158	1.70
5500MHz	Pass	PK	5.5022G	111.13	Inf	-Inf	3	Vertical	158	1.70
5500MHz	Pass	AV	5.46G	47.56	54.00	-6.44	3	Horizontal	143	1.81
5500MHz	Pass	AV	5.5012G	99.32	Inf	-Inf	3	Horizontal	143	1.81
5500MHz	Pass	PK	5.47G	67.34	68.20	-0.86	3	Horizontal	143	1.81
5500MHz	Pass	PK	5.5016G	111.57	Inf	-Inf	3	Horizontal	143	1.81
5500MHz	Pass	AV	10.99797G	42.38	54.00	-11.62	3	Vertical	99	1.47
5500MHz	Pass	PK	11.00058G	54.24	74.00	-19.76	3	Vertical	99	1.47
5500MHz	Pass	PK	16.50516G	58.54	68.20	-9.66	3	Vertical	160	1.27
5500MHz	Pass	AV	10.9994G	42.47	54.00	-11.53	3	Horizontal	177	1.69
5500MHz	Pass	PK	11.00248G	55.08	74.00	-18.92	3	Horizontal	177	1.69
5500MHz	Pass	PK	16.50444G	63.24	68.20	-4.96	3	Horizontal	64	2.12
5580MHz	Pass	AV	5.4576G	45.66	54.00	-8.34	3	Vertical	104	1.32
5580MHz	Pass	AV	5.5842G	99.64	Inf	-Inf	3	Vertical	104	1.32
5580MHz	Pass	PK	5.4648G	57.31	68.20	-10.89	3	Vertical	104	1.32
5580MHz	Pass	PK	5.5848G	110.87	Inf	-Inf	3	Vertical	104	1.32
5580MHz	Pass	PK	5.7276G	59.38	68.20	-8.82	3	Vertical	104	1.32
5580MHz	Pass	AV	5.4576G	46.04	54.00	-7.96	3	Horizontal	85	2.98
5580MHz	Pass	AV	5.583G	105.07	Inf	-Inf	3	Horizontal	85	2.98
5580MHz	Pass	PK	5.4606G	57.33	68.20	-10.87	3	Horizontal	85	2.98
5580MHz	Pass	PK	5.5824G	116.83	Inf	-Inf	3	Horizontal	85	2.98
5580MHz	Pass	PK	5.7276G	58.82	68.20	-9.38	3	Horizontal	85	2.98
5580MHz	Pass	AV	11.16217G	41.95	54.00	-12.05	3	Vertical	125	2.61
5580MHz	Pass	PK	11.16202G	54.10	74.00	-19.90	3	Vertical	125	2.61
5580MHz	Pass	PK	16.74414G	65.86	68.20	-2.34	3	Vertical	12	1.64
5580MHz	Pass	AV	11.16233G	41.83	54.00	-12.17	3	Horizontal	87	2.51
5580MHz	Pass	PK	11.15942G	53.63	74.00	-20.37	3	Horizontal	87	2.51
5580MHz	Pass	PK	16.73898G	66.27	68.20	-1.93	3	Horizontal	60	1.88
5700MHz	Pass	AV	5.694G	96.80	Inf	-Inf	3	Vertical	100	1.07

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5700MHz	Pass	PK	5.6944G	108.85	Inf	-Inf	3	Vertical	100	1.07
5700MHz	Pass	PK	5.7252G	64.76	68.20	-3.44	3	Vertical	100	1.07
5700MHz	Pass	AV	5.7032G	101.51	Inf	-Inf	3	Horizontal	85	3.00
5700MHz	Pass	PK	5.7036G	113.79	Inf	-Inf	3	Horizontal	85	3.00
5700MHz	Pass	PK	5.7252G	67.73	68.20	-0.47	3	Horizontal	85	3.00
5700MHz	Pass	AV	11.4003G	42.42	54.00	-11.58	3	Vertical	62	2.54
5700MHz	Pass	PK	11.40144G	54.23	74.00	-19.77	3	Vertical	62	2.54
5700MHz	Pass	PK	17.11116G	61.00	68.20	-7.20	3	Vertical	8	1.61
5700MHz	Pass	AV	11.40002G	42.52	54.00	-11.48	3	Horizontal	257	1.28
5700MHz	Pass	PK	11.39966G	53.98	74.00	-20.02	3	Horizontal	257	1.28
5700MHz	Pass	PK	17.11068G	59.74	68.20	-8.46	3	Horizontal	0	1.66
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.719G	101.93	Inf	-Inf	3	Vertical	100	1.18
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.718G	112.72	Inf	-Inf	3	Vertical	100	1.18
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.862G	61.01	68.20	-7.19	3	Vertical	100	1.18
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.719G	105.09	Inf	-Inf	3	Horizontal	85	3.00
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.719G	116.62	Inf	-Inf	3	Horizontal	85	3.00
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.886G	60.80	68.20	-7.40	3	Horizontal	85	3.00
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43915G	42.25	54.00	-11.75	3	Vertical	83	2.84
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.4419G	54.02	74.00	-19.98	3	Vertical	83	2.84
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.15994G	67.78	68.20	-0.42	3	Vertical	8	1.67
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43868G	42.25	54.00	-11.75	3	Horizontal	26	1.02
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43981G	54.46	74.00	-19.54	3	Horizontal	26	1.02
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.16018G	67.79	68.20	-0.41	3	Horizontal	77	1.89
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	AV	5.2732G	98.02	Inf	-Inf	3	Vertical	100	1.01
5270MHz	Pass	AV	5.3528G	50.03	54.00	-3.97	3	Vertical	100	1.01
5270MHz	Pass	PK	5.2732G	109.69	Inf	-Inf	3	Vertical	100	1.01
5270MHz	Pass	PK	5.3532G	63.05	74.00	-10.95	3	Vertical	100	1.01
5270MHz	Pass	AV	5.2716G	101.81	Inf	-Inf	3	Horizontal	129	2.23
5270MHz	Pass	AV	5.3516G	52.31	54.00	-1.69	3	Horizontal	129	2.23
5270MHz	Pass	PK	5.2624G	114.24	Inf	-Inf	3	Horizontal	129	2.23
5270MHz	Pass	PK	5.3508G	66.44	74.00	-7.56	3	Horizontal	129	2.23
5270MHz	Pass	AV	15.81444G	46.97	54.00	-7.03	3	Vertical	357	1.00
5270MHz	Pass	PK	10.54098G	53.37	68.20	-14.83	3	Vertical	23	1.80
5270MHz	Pass	PK	15.81432G	59.29	74.00	-14.71	3	Vertical	357	1.00
5270MHz	Pass	AV	15.8148G	46.59	54.00	-7.41	3	Horizontal	92	2.72
5270MHz	Pass	PK	10.54186G	53.88	68.20	-14.32	3	Horizontal	119	2.29
5270MHz	Pass	PK	15.8022G	58.63	74.00	-15.37	3	Horizontal	92	2.72
5310MHz	Pass	AV	5.3108G	100.45	Inf	-Inf	3	Vertical	28	1.50
5310MHz	Pass	AV	5.3508G	52.35	54.00	-1.65	3	Vertical	28	1.50
5310MHz	Pass	PK	5.3112G	113.53	Inf	-Inf	3	Vertical	28	1.50
5310MHz	Pass	PK	5.3616G	64.62	74.00	-9.38	3	Vertical	28	1.50
5310MHz	Pass	AV	5.3144G	102.75	Inf	-Inf	3	Horizontal	32	2.43
5310MHz	Pass	AV	5.3548G	52.79	54.00	-1.21	3	Horizontal	32	2.43
5310MHz	Pass	PK	5.3048G	115.72	Inf	-Inf	3	Horizontal	32	2.43
5310MHz	Pass	PK	5.3524G	65.63	74.00	-8.37	3	Horizontal	32	2.43
5310MHz	Pass	AV	10.63428G	42.56	54.00	-11.44	3	Vertical	302	1.50
5310MHz	Pass	AV	15.95448G	49.60	54.00	-4.40	3	Vertical	54	1.50
5310MHz	Pass	PK	10.64736G	56.19	74.00	-17.81	3	Vertical	302	1.50
5310MHz	Pass	PK	15.9102G	63.68	74.00	-10.32	3	Vertical	54	1.50
5310MHz	Pass	AV	10.6476G	42.67	54.00	-11.33	3	Horizontal	264	1.50
5310MHz	Pass	AV	15.95856G	49.53	54.00	-4.47	3	Horizontal	37	3.00
5310MHz	Pass	PK	10.62336G	55.74	74.00	-18.26	3	Horizontal	264	1.50
5310MHz	Pass	PK	15.91824G	62.39	74.00	-11.61	3	Horizontal	37	3.00
5510MHz	Pass	AV	5.4588G	50.98	54.00	-3.02	3	Vertical	360	1.09
5510MHz	Pass	AV	5.5064G	100.31	Inf	-Inf	3	Vertical	360	1.09
5510MHz	Pass	PK	5.466G	66.53	68.20	-1.67	3	Vertical	360	1.09
5510MHz	Pass	PK	5.5072G	112.86	Inf	-Inf	3	Vertical	360	1.09
5510MHz	Pass	AV	5.46G	51.74	54.00	-2.26	3	Horizontal	20	2.01
5510MHz	Pass	AV	5.5036G	101.24	Inf	-Inf	3	Horizontal	20	2.01
5510MHz	Pass	PK	5.4624G	67.50	68.20	-0.70	3	Horizontal	20	2.01
5510MHz	Pass	PK	5.5124G	113.62	Inf	-Inf	3	Horizontal	20	2.01

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5510MHz	Pass	AV	11.0446G	42.39	54.00	-11.61	3	Vertical	157	2.08
5510MHz	Pass	PK	11.01532G	55.01	74.00	-18.99	3	Vertical	157	2.08
5510MHz	Pass	PK	16.53768G	64.44	68.20	-3.76	3	Vertical	334	2.23
5510MHz	Pass	AV	11.03956G	42.50	54.00	-11.50	3	Horizontal	26	1.50
5510MHz	Pass	PK	11.02384G	55.56	74.00	-18.44	3	Horizontal	26	1.50
5510MHz	Pass	PK	16.54776G	64.84	68.20	-3.36	3	Horizontal	246	1.50
5550MHz	Pass	AV	5.4596G	50.22	54.00	-3.78	3	Vertical	174	2.15
5550MHz	Pass	AV	5.548G	96.37	Inf	-Inf	3	Vertical	174	2.15
5550MHz	Pass	PK	5.4684G	64.66	68.20	-3.54	3	Vertical	174	2.15
5550MHz	Pass	PK	5.5472G	109.16	Inf	-Inf	3	Vertical	174	2.15
5550MHz	Pass	AV	5.4556G	52.76	54.00	-1.24	3	Horizontal	148	1.70
5550MHz	Pass	AV	5.5556G	98.95	Inf	-Inf	3	Horizontal	148	1.70
5550MHz	Pass	PK	5.464G	67.24	68.20	-0.96	3	Horizontal	148	1.70
5550MHz	Pass	PK	5.5552G	110.79	Inf	-Inf	3	Horizontal	148	1.70
5550MHz	Pass	AV	11.09989G	42.16	54.00	-11.84	3	Vertical	186	1.62
5550MHz	Pass	PK	11.09827G	54.01	74.00	-19.99	3	Vertical	186	1.62
5550MHz	Pass	PK	16.64328G	61.71	68.20	-6.49	3	Vertical	13	1.63
5550MHz	Pass	AV	11.10235G	42.19	54.00	-11.81	3	Horizontal	209	2.85
5550MHz	Pass	PK	11.1019G	54.24	74.00	-19.76	3	Horizontal	209	2.85
5550MHz	Pass	PK	16.65468G	66.90	68.20	-1.30	3	Horizontal	64	2.00
5670MHz	Pass	AV	5.6736G	94.78	Inf	-Inf	3	Vertical	100	1.18
5670MHz	Pass	PK	5.6742G	106.36	Inf	-Inf	3	Vertical	100	1.18
5670MHz	Pass	PK	5.7252G	65.10	68.20	-3.10	3	Vertical	100	1.18
5670MHz	Pass	AV	5.6634G	98.76	Inf	-Inf	3	Horizontal	85	3.00
5670MHz	Pass	PK	5.673G	110.36	Inf	-Inf	3	Horizontal	85	3.00
5670MHz	Pass	PK	5.7252G	66.33	68.20	-1.87	3	Horizontal	85	3.00
5670MHz	Pass	AV	11.33996G	42.04	54.00	-11.96	3	Vertical	218	2.05
5670MHz	Pass	PK	11.34062G	54.05	74.00	-19.95	3	Vertical	218	2.05
5670MHz	Pass	PK	17.01828G	59.30	68.20	-8.90	3	Vertical	0	1.50
5670MHz	Pass	AV	11.33818G	42.16	54.00	-11.84	3	Horizontal	236	1.19
5670MHz	Pass	PK	11.33821G	53.84	74.00	-20.16	3	Horizontal	236	1.19
5670MHz	Pass	PK	17.0106G	59.21	68.20	-8.99	3	Horizontal	350	1.68
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.46G	45.48	54.00	-8.52	3	Vertical	100	1.13
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.724G	98.60	Inf	-Inf	3	Vertical	100	1.13
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.466G	57.73	68.20	-10.47	3	Vertical	100	1.13
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.725G	109.73	Inf	-Inf	3	Vertical	100	1.13
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.902G	63.13	68.20	-5.07	3	Vertical	100	1.13
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.46G	46.05	54.00	-7.95	3	Horizontal	85	3.00
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.704G	103.30	Inf	-Inf	3	Horizontal	85	3.00
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.47G	57.95	68.20	-10.25	3	Horizontal	85	3.00
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.704G	115.17	Inf	-Inf	3	Horizontal	85	3.00
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.868G	65.26	68.20	-2.94	3	Horizontal	85	3.00
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.41785G	42.45	54.00	-11.55	3	Vertical	316	1.57
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.41825G	54.40	74.00	-19.60	3	Vertical	316	1.57
5710MHz Straddle 5.47-5.725GHz	Pass	PK	17.118G	66.40	68.20	-1.80	3	Vertical	5	1.62
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.41771G	42.34	54.00	-11.66	3	Horizontal	266	2.82
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.42023G	54.31	74.00	-19.69	3	Horizontal	266	2.82
5710MHz Straddle 5.47-5.725GHz	Pass	PK	17.10012G	66.30	68.20	-1.90	3	Horizontal	76	1.80
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	AV	5.308G	94.96	Inf	-Inf	3	Vertical	20	1.11
5290MHz	Pass	AV	5.3544G	52.50	54.00	-1.50	3	Vertical	20	1.11
5290MHz	Pass	PK	5.2788G	107.87	Inf	-Inf	3	Vertical	20	1.11
5290MHz	Pass	PK	5.364G	64.88	74.00	-9.12	3	Vertical	20	1.11
5290MHz	Pass	AV	5.286G	97.52	Inf	-Inf	3	Horizontal	29	2.96
5290MHz	Pass	AV	5.3524G	53.69	54.00	-0.31	3	Horizontal	29	2.96
5290MHz	Pass	PK	5.2768G	110.38	Inf	-Inf	3	Horizontal	29	2.96
5290MHz	Pass	PK	5.3704G	66.64	74.00	-7.36	3	Horizontal	29	2.96
5290MHz	Pass	AV	10.6364G	42.46	54.00	-11.54	3	Vertical	131	1.50
5290MHz	Pass	AV	15.9264G	49.29	54.00	-4.71	3	Vertical	109	2.61
5290MHz	Pass	PK	10.55G	55.35	68.20	-12.85	3	Vertical	131	1.50
5290MHz	Pass	PK	15.8688G	63.23	74.00	-10.77	3	Vertical	109	2.61
5290MHz	Pass	AV	10.63304G	42.43	54.00	-11.57	3	Horizontal	245	1.50



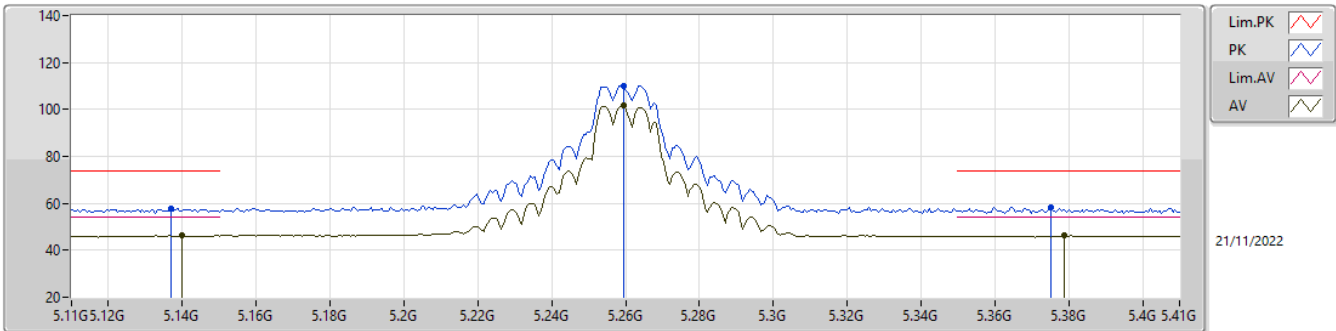
RSE TX above 1GHz_Non-Beamforming

Appendix D

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5290MHz	Pass	AV	15.91536G	49.40	54.00	-4.60	3	Horizontal	34	1.30
5290MHz	Pass	PK	10.62512G	55.00	74.00	-19.00	3	Horizontal	245	1.50
5290MHz	Pass	PK	15.88392G	62.84	74.00	-11.16	3	Horizontal	34	1.30
5530MHz	Pass	AV	5.457G	52.50	54.00	-1.50	3	Vertical	360	1.06
5530MHz	Pass	AV	5.532G	95.16	Inf	-Inf	3	Vertical	360	1.06
5530MHz	Pass	PK	5.467G	64.29	68.20	-3.91	3	Vertical	360	1.06
5530MHz	Pass	PK	5.522G	106.89	Inf	-Inf	3	Vertical	360	1.06
5530MHz	Pass	PK	5.727G	63.51	68.20	-4.69	3	Vertical	360	1.06
5530MHz	Pass	AV	5.457G	53.45	54.00	-0.55	3	Horizontal	42	2.86
5530MHz	Pass	AV	5.532G	96.65	Inf	-Inf	3	Horizontal	42	2.86
5530MHz	Pass	PK	5.466G	66.11	68.20	-2.09	3	Horizontal	42	2.86
5530MHz	Pass	PK	5.54G	108.17	Inf	-Inf	3	Horizontal	42	2.86
5530MHz	Pass	PK	5.756G	64.24	68.20	-3.96	3	Horizontal	42	2.86
5530MHz	Pass	AV	11.11712G	42.46	54.00	-11.54	3	Vertical	24	1.50
5530MHz	Pass	PK	11.09576G	55.19	74.00	-18.81	3	Vertical	24	1.50
5530MHz	Pass	PK	16.60008G	64.36	68.20	-3.84	3	Vertical	232	1.50
5530MHz	Pass	AV	11.11088G	42.48	54.00	-11.52	3	Horizontal	28	1.50
5530MHz	Pass	PK	11.11136G	55.49	74.00	-18.51	3	Horizontal	28	1.50
5530MHz	Pass	PK	16.5972G	64.25	68.20	-3.95	3	Horizontal	360	1.50
5610MHz	Pass	AV	5.46G	47.57	54.00	-6.43	3	Vertical	85	1.39
5610MHz	Pass	AV	5.621G	91.49	Inf	-Inf	3	Vertical	85	1.39
5610MHz	Pass	PK	5.462G	59.31	68.20	-8.89	3	Vertical	85	1.39
5610MHz	Pass	PK	5.612G	103.16	Inf	-Inf	3	Vertical	85	1.39
5610MHz	Pass	PK	5.73G	61.34	68.20	-6.86	3	Vertical	85	1.39
5610MHz	Pass	AV	5.457G	51.58	54.00	-2.42	3	Horizontal	85	2.95
5610MHz	Pass	AV	5.608G	97.77	Inf	-Inf	3	Horizontal	85	2.95
5610MHz	Pass	PK	5.468G	65.66	68.20	-2.54	3	Horizontal	85	2.95
5610MHz	Pass	PK	5.608G	110.69	Inf	-Inf	3	Horizontal	85	2.95
5610MHz	Pass	PK	5.748G	65.72	68.20	-2.48	3	Horizontal	85	2.95
5610MHz	Pass	PK	16.83408G	60.09	68.20	-8.11	3	Vertical	11	1.64
5610MHz	Pass	AV	11.21757G	41.99	54.00	-12.01	3	Horizontal	237	2.77
5610MHz	Pass	PK	11.21777G	54.08	74.00	-19.92	3	Horizontal	237	2.77
5610MHz	Pass	PK	16.84488G	59.21	68.20	-8.99	3	Horizontal	79	1.81
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.456G	46.57	54.00	-7.43	3	Vertical	140	1.05
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.697G	95.20	Inf	-Inf	3	Vertical	140	1.05
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.466G	59.43	68.20	-8.77	3	Vertical	140	1.05
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.698G	106.84	Inf	-Inf	3	Vertical	140	1.05
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.867G	63.05	68.20	-5.15	3	Vertical	140	1.05
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.458G	48.99	54.00	-5.01	3	Horizontal	85	3.00
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.699G	98.44	Inf	-Inf	3	Horizontal	85	3.00
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.467G	62.11	68.20	-6.09	3	Horizontal	85	3.00
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.699G	110.49	Inf	-Inf	3	Horizontal	85	3.00
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.85G	65.76	68.20	-2.44	3	Horizontal	85	3.00
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.37929G	42.25	54.00	-11.75	3	Vertical	229	2.42
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.38175G	54.00	74.00	-20.00	3	Vertical	229	2.42
5690MHz Straddle 5.47-5.725GHz	Pass	PK	17.03832G	61.72	68.20	-6.48	3	Vertical	9	1.57
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.38006G	42.36	54.00	-11.64	3	Horizontal	6	2.49
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.37945G	53.85	74.00	-20.15	3	Horizontal	6	2.49
5690MHz Straddle 5.47-5.725GHz	Pass	PK	17.10048G	59.54	68.20	-8.66	3	Horizontal	349	1.52

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

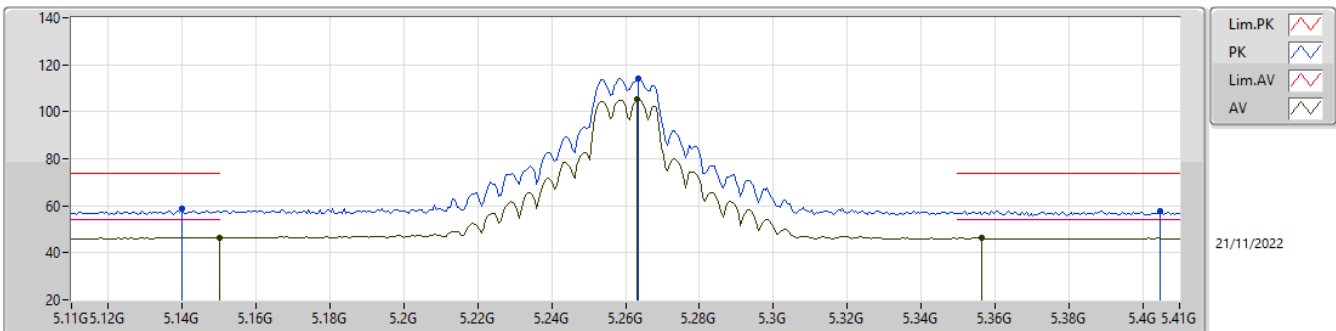
5260MHz_TX



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	5.14G	46.39	54.00	-7.61	6.11	3	Vertical	143	2.03	40.28	33.18	7.19	34.26
AV	5.2594G	101.73	Inf	-Inf	6.11	3	Vertical	143	2.03	95.62	33.08	7.28	34.25
AV	5.3788G	46.16	54.00	-7.84	5.94	3	Vertical	143	2.03	40.22	32.96	7.23	34.25
PK	5.137G	57.66	74.00	-16.34	6.09	3	Vertical	143	2.03	51.57	33.17	7.18	34.26
PK	5.2594G	110.17	Inf	-Inf	6.11	3	Vertical	143	2.03	104.06	33.08	7.28	34.25
PK	5.3752G	58.49	74.00	-15.51	5.93	3	Vertical	143	2.03	52.56	32.95	7.23	34.25

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

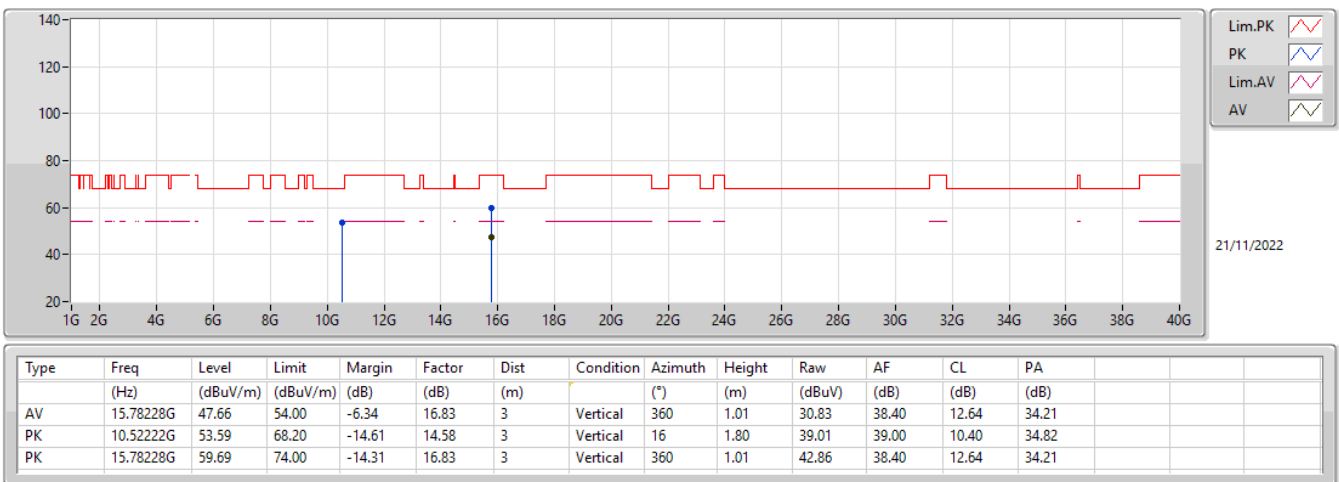
5260MHz_TX



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	5.15G	46.50	54.00	-7.50	6.15	3	Horizontal	128	2.35	40.35	33.20	7.21	34.26
AV	5.263G	105.13	Inf	-Inf	6.10	3	Horizontal	128	2.35	99.03	33.07	7.28	34.25
AV	5.3566G	46.23	54.00	-7.77	5.90	3	Horizontal	128	2.35	40.33	32.91	7.24	34.25
PK	5.14G	58.57	74.00	-15.43	6.11	3	Horizontal	128	2.35	52.46	33.18	7.19	34.26
PK	5.2636G	114.10	Inf	-Inf	6.10	3	Horizontal	128	2.35	108.00	33.07	7.28	34.25
PK	5.4046G	57.81	74.00	-16.19	5.97	3	Horizontal	128	2.35	51.84	33.00	7.22	34.25

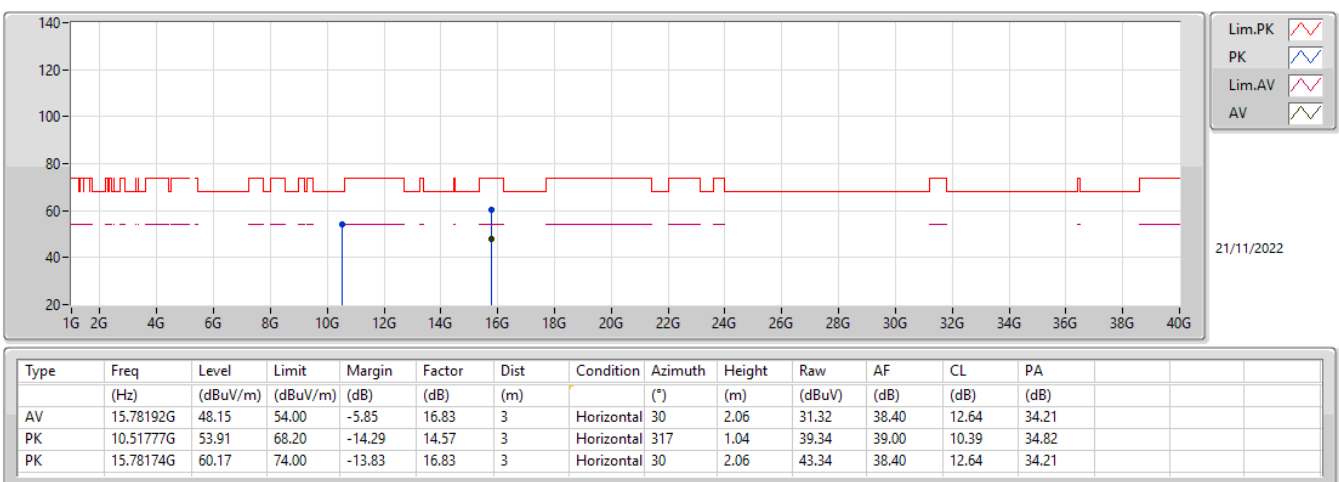
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX



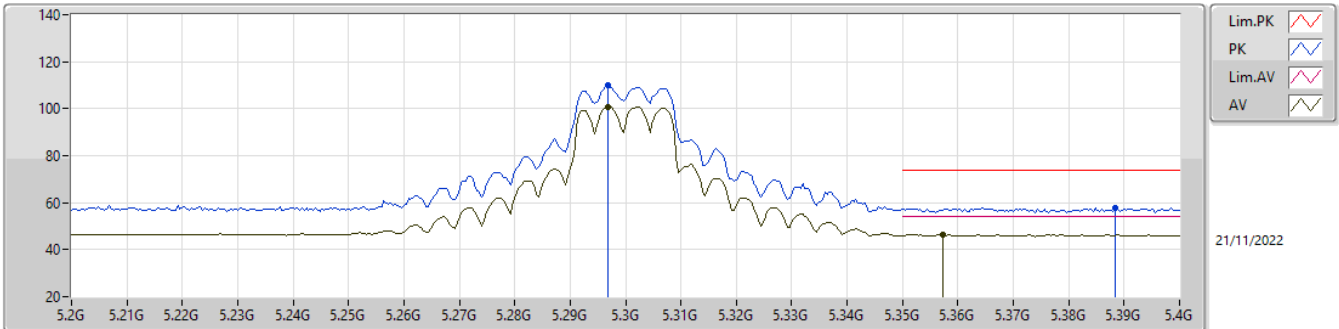
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX



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

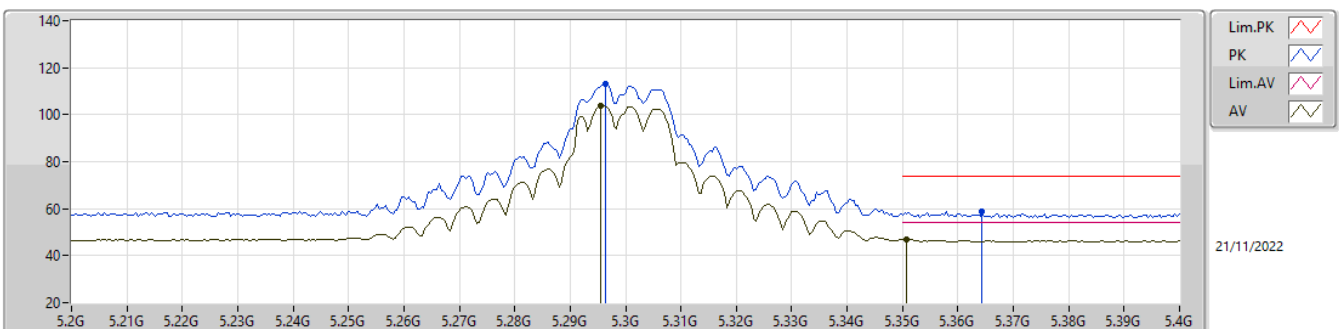
5300MHz_TX



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	5.2968G	100.67	Inf	-Inf	6.03	3	Vertical	144	2.07	94.64	33.01	7.27	34.25
AV	5.3572G	46.41	54.00	-7.59	5.90	3	Vertical	144	2.07	40.51	32.91	7.24	34.25
PK	5.2968G	109.75	Inf	-Inf	6.03	3	Vertical	144	2.07	103.72	33.01	7.27	34.25
PK	5.3884G	57.82	74.00	-16.18	5.96	3	Vertical	144	2.07	51.86	32.98	7.23	34.25

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

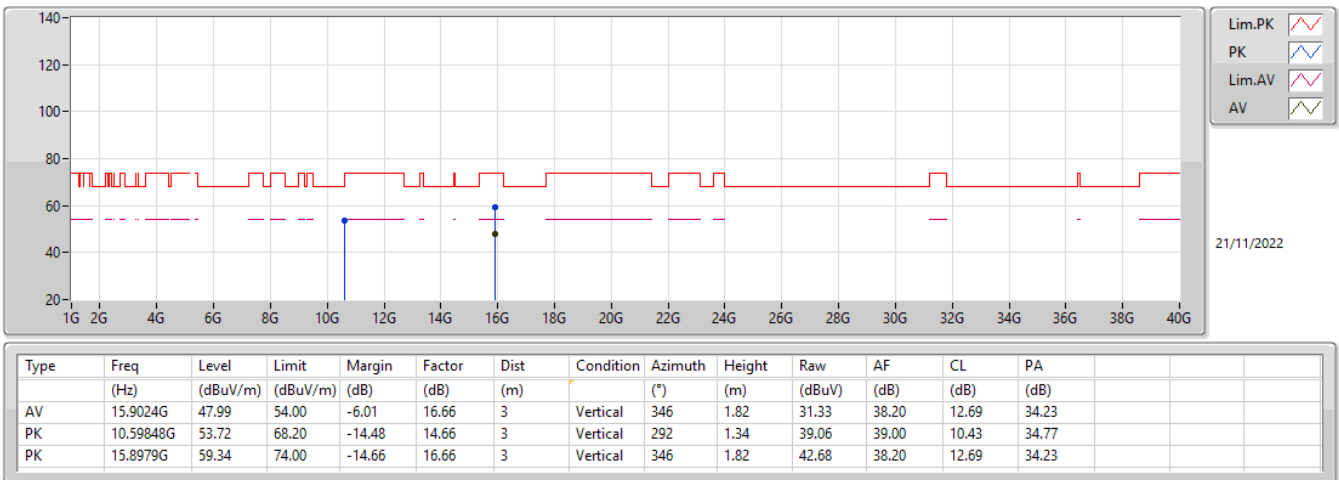
5300MHz_TX



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	5.2956G	103.62	Inf	-Inf	6.03	3	Horizontal	147	2.32	97.59	33.01	7.27	34.25
AV	5.3508G	46.88	54.00	-7.12	5.89	3	Horizontal	147	2.32	40.99	32.90	7.24	34.25
PK	5.2964G	112.85	Inf	-Inf	6.03	3	Horizontal	147	2.32	106.82	33.01	7.27	34.25
PK	5.3644G	58.63	74.00	-15.37	5.92	3	Horizontal	147	2.32	52.71	32.93	7.24	34.25

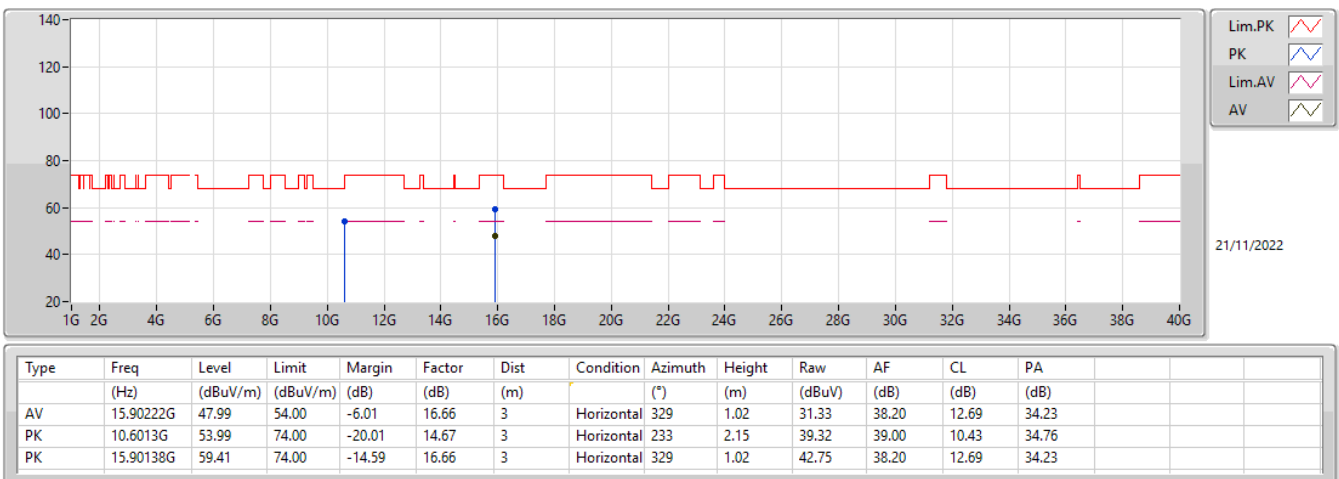
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX



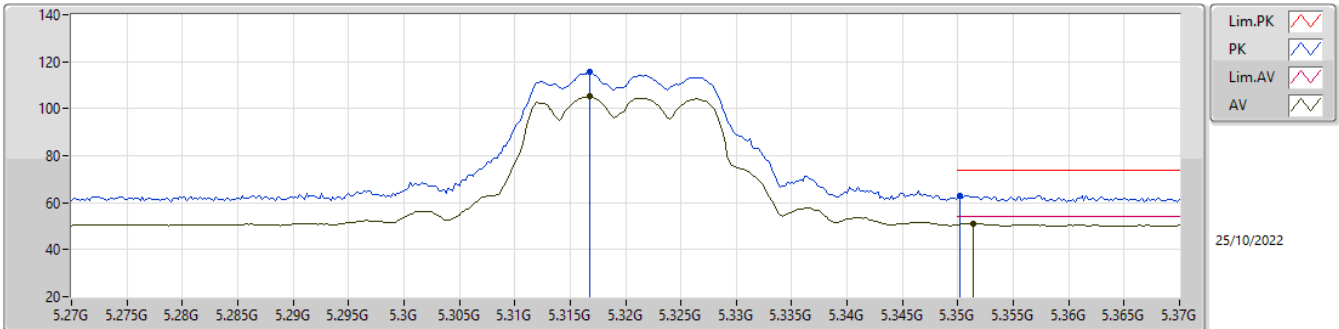
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX



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

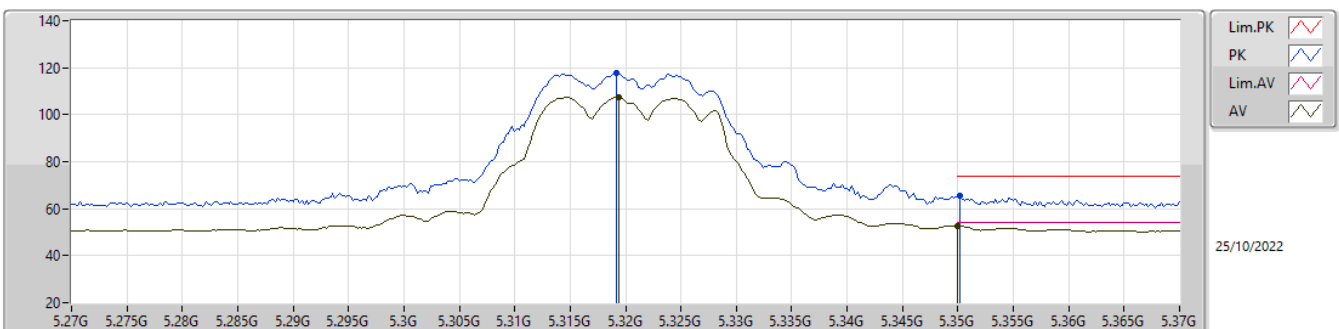
5320MHz_TX



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	5.3168G	105.20	Inf	-Inf	12.87	3	Vertical	12	1.04	92.33	32.97	9.94	30.04
AV	5.3514G	51.14	54.00	-2.86	12.82	3	Vertical	12	1.04	38.32	32.90	9.97	30.05
PK	5.3168G	115.71	Inf	-Inf	12.87	3	Vertical	12	1.04	102.84	32.97	9.94	30.04
PK	5.3502G	63.13	74.00	-10.87	12.82	3	Vertical	12	1.04	50.31	32.90	9.97	30.05

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

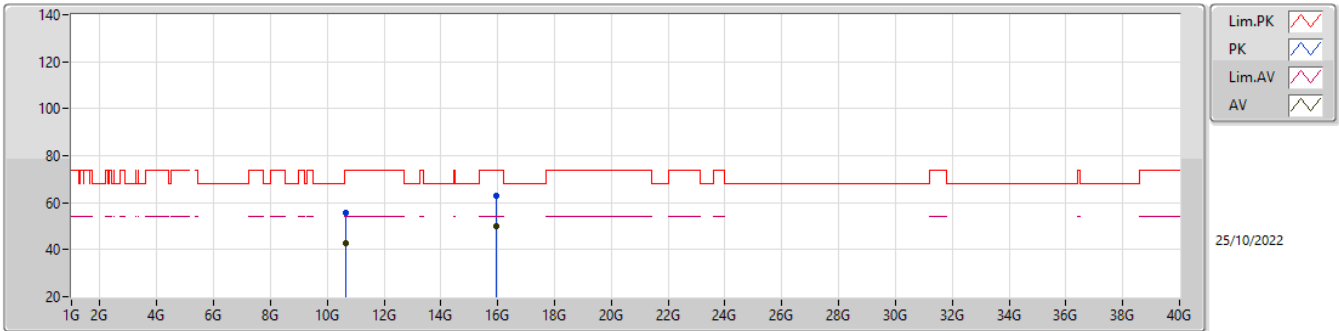
5320MHz_TX



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	5.3194G	107.46	Inf	-Inf	12.86	3	Horizontal	34	2.18	94.60	32.96	9.94	30.04
AV	5.35G	52.70	54.00	-1.30	12.82	3	Horizontal	34	2.18	39.88	32.90	9.97	30.05
PK	5.3192G	117.52	Inf	-Inf	12.86	3	Horizontal	34	2.18	104.66	32.96	9.94	30.04
PK	5.3502G	65.46	74.00	-8.54	12.82	3	Horizontal	34	2.18	52.64	32.90	9.97	30.05

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

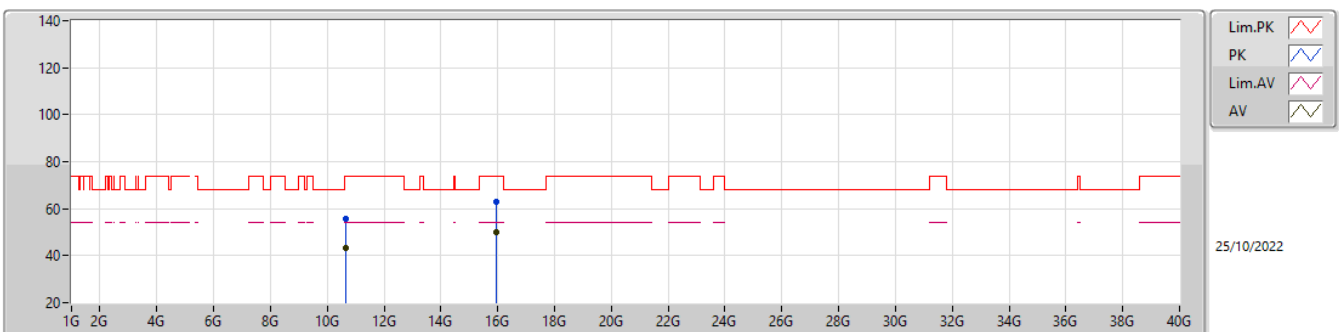
5320MHz_TX



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	10.64918G	42.83	54.00	-11.17	20.95	3	Vertical	256	2.28	21.88	39.05	12.78	30.88
AV	15.97171G	50.25	54.00	-3.75	22.44	3	Vertical	294	1.50	27.81	38.06	16.00	31.62
PK	10.63868G	55.60	74.00	-18.40	20.92	3	Vertical	256	2.28	34.68	39.02	12.78	30.88
PK	15.97182G	63.03	74.00	-10.97	22.44	3	Vertical	294	1.50	40.59	38.06	16.00	31.62

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

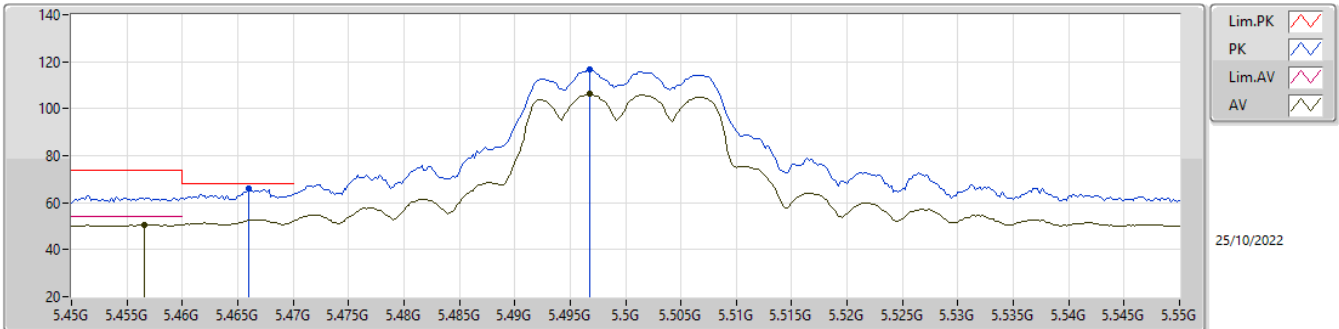
5320MHz_TX



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	10.64G	43.14	54.00	-10.86	20.92	3	Horizontal	158	2.24	22.22	39.02	12.78	30.88
AV	15.96894G	50.13	54.00	-3.87	22.44	3	Horizontal	167	1.50	27.69	38.06	16.00	31.62
PK	10.6394G	55.52	74.00	-18.48	20.92	3	Horizontal	158	2.24	34.60	39.02	12.78	30.88
PK	15.9663G	62.69	74.00	-11.31	22.45	3	Horizontal	167	1.50	40.24	38.07	16.00	31.62

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

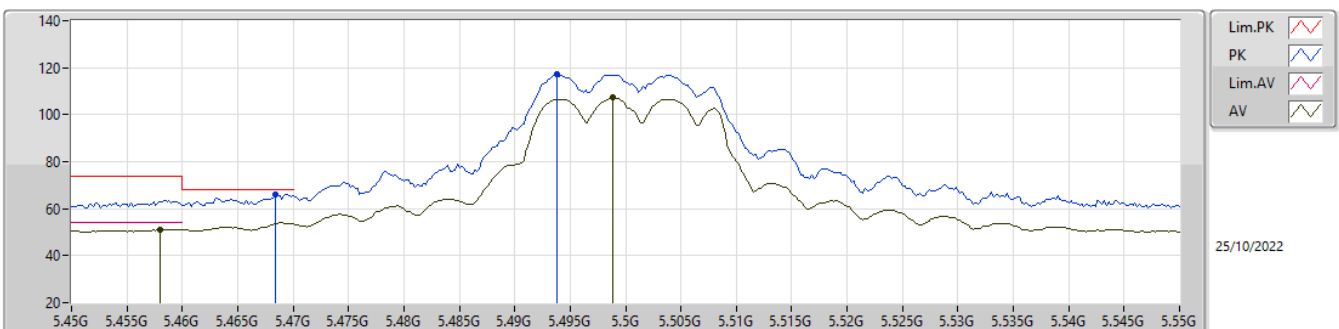
5500MHz_TX



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	5.4566G	50.74	54.00	-3.26	12.84	3	Vertical	14	1.00	37.90	32.90	10.02	30.08
AV	5.4968G	106.23	Inf	-Inf	12.84	3	Vertical	14	1.00	93.39	32.90	10.03	30.09
PK	5.466G	65.78	68.20	-2.42	12.84	3	Vertical	14	1.00	52.94	32.90	10.02	30.08
PK	5.4968G	116.73	Inf	-Inf	12.84	3	Vertical	14	1.00	103.89	32.90	10.03	30.09

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

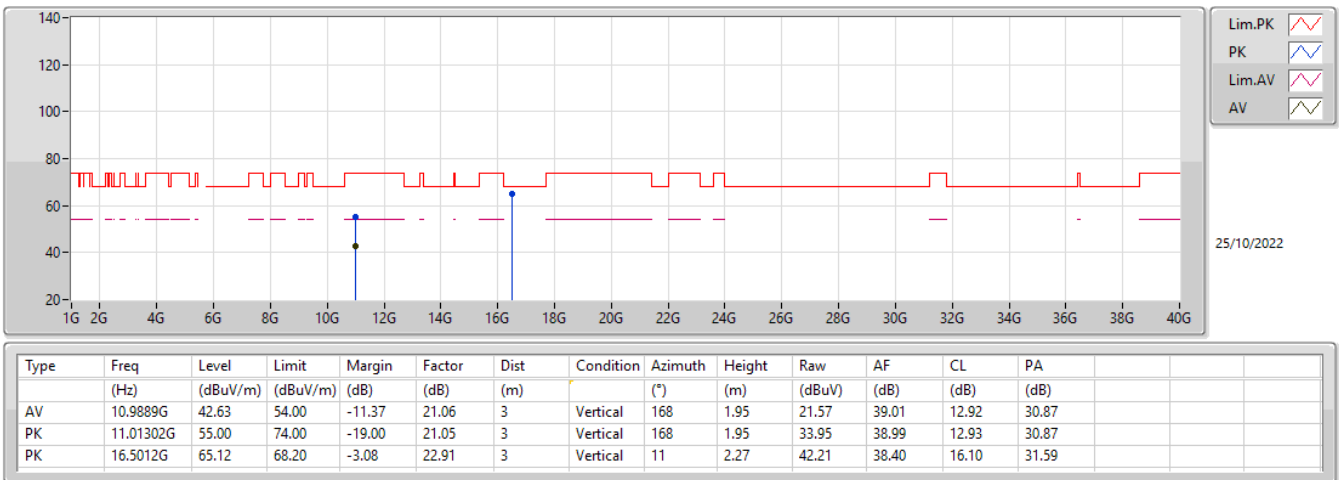
5500MHz_TX



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	5.458G	51.16	54.00	-2.84	12.84	3	Horizontal	22	1.99	38.32	32.90	10.02	30.08
AV	5.4988G	107.19	Inf	-Inf	12.84	3	Horizontal	22	1.99	94.35	32.90	10.03	30.09
PK	5.4684G	66.05	68.20	-2.15	12.84	3	Horizontal	22	1.99	53.21	32.90	10.02	30.08
PK	5.4938G	117.30	Inf	-Inf	12.84	3	Horizontal	22	1.99	104.46	32.90	10.03	30.09

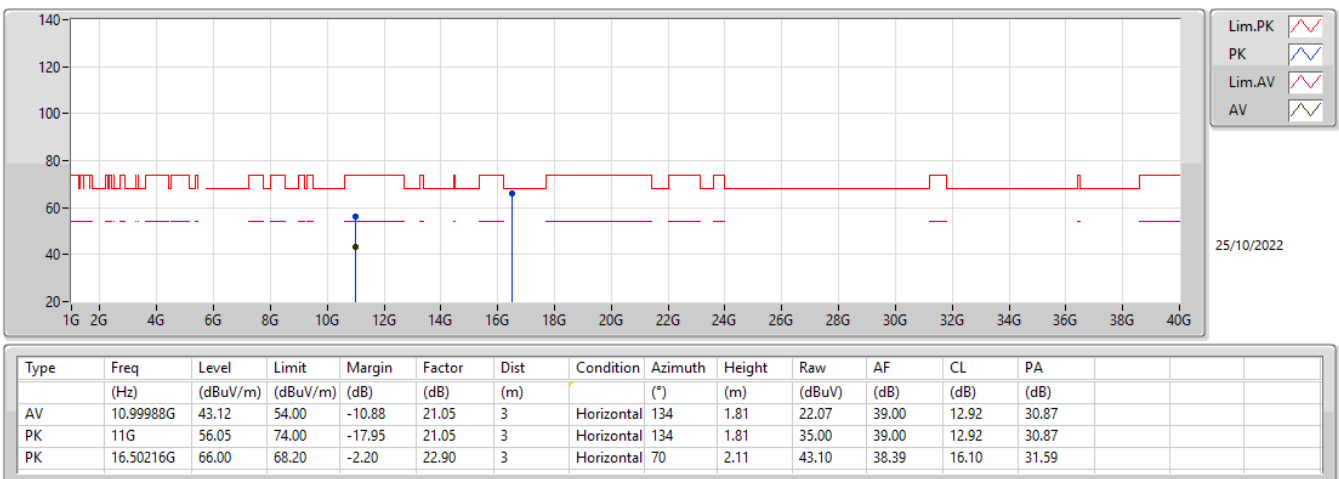
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX



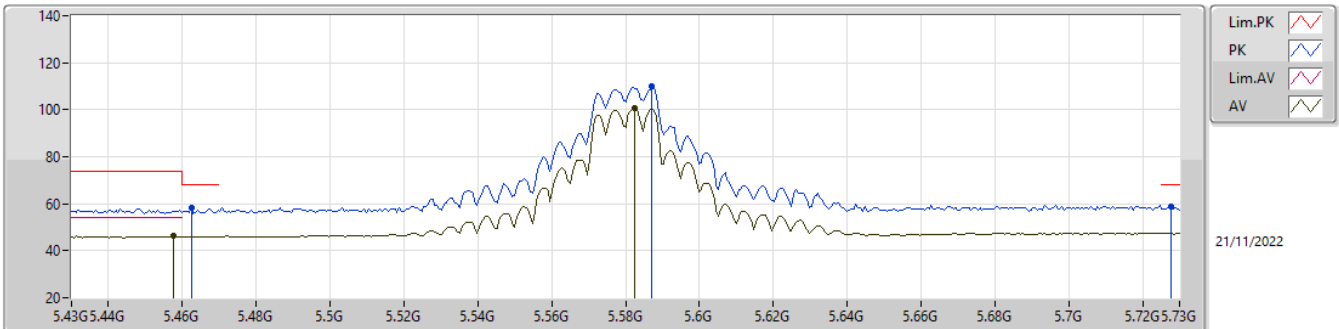
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX



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

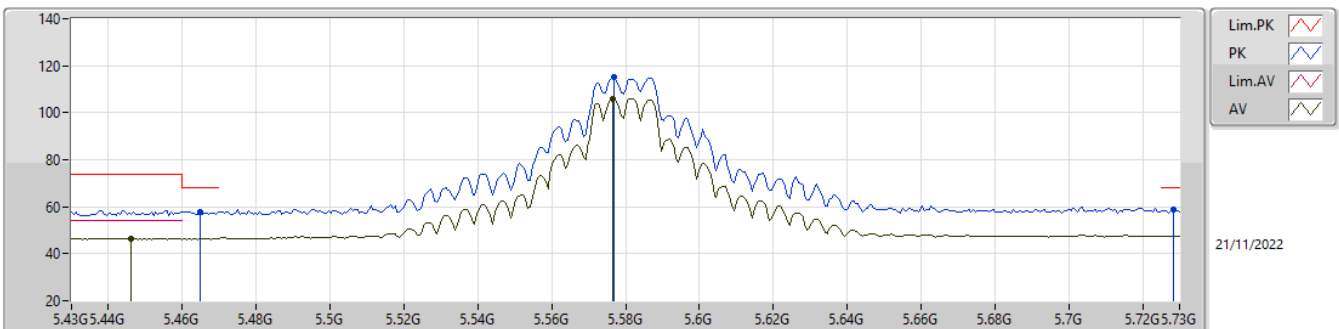
5580MHz_TX



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	5.4576G	46.22	54.00	-7.78	6.04	3	Vertical	104	1.31	40.18	33.00	7.28	34.24
AV	5.5824G	100.45	Inf	-Inf	6.20	3	Vertical	104	1.31	94.25	33.06	7.40	34.26
PK	5.4624G	58.52	68.20	-9.68	6.04	3	Vertical	104	1.31	52.48	33.00	7.28	34.24
PK	5.5872G	109.85	Inf	-Inf	6.21	3	Vertical	104	1.31	103.64	33.07	7.41	34.27
PK	5.7276G	58.56	68.20	-9.64	6.95	3	Vertical	104	1.31	51.61	33.81	7.45	34.31

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

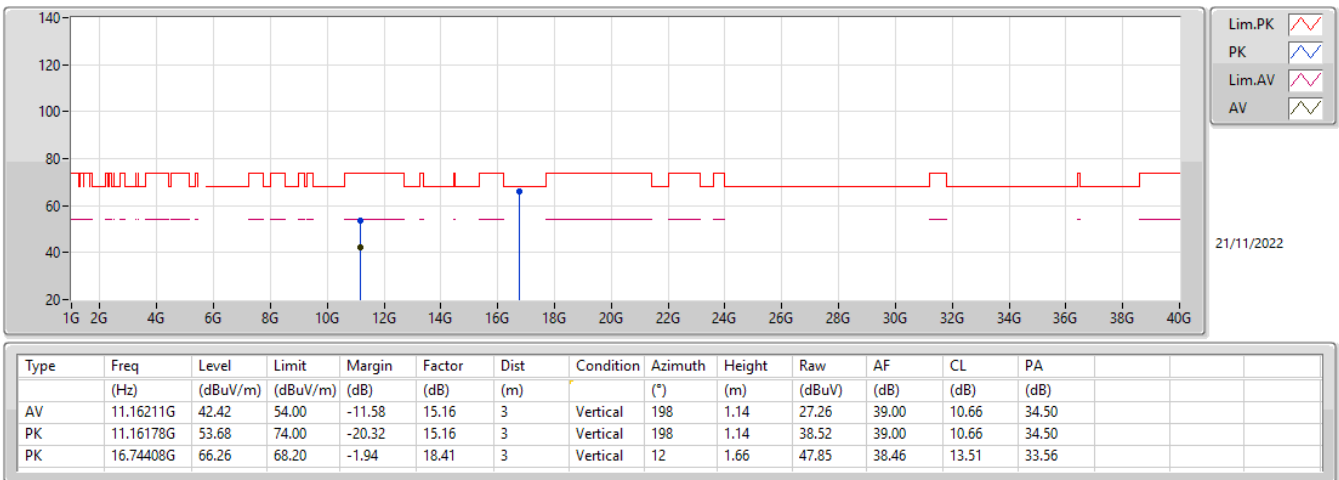
5580MHz_TX



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	5.4462G	46.53	54.00	-7.47	6.03	3	Horizontal	85	2.98	40.50	33.00	7.27	34.24
AV	5.5764G	106.05	Inf	-Inf	6.19	3	Horizontal	85	2.98	99.86	33.05	7.40	34.26
PK	5.4648G	57.61	68.20	-10.59	6.04	3	Horizontal	85	2.98	51.57	33.00	7.28	34.24
PK	5.577G	115.40	Inf	-Inf	6.19	3	Horizontal	85	2.98	109.21	33.05	7.40	34.26
PK	5.7282G	58.82	68.20	-9.38	6.95	3	Horizontal	85	2.98	51.87	33.81	7.45	34.31

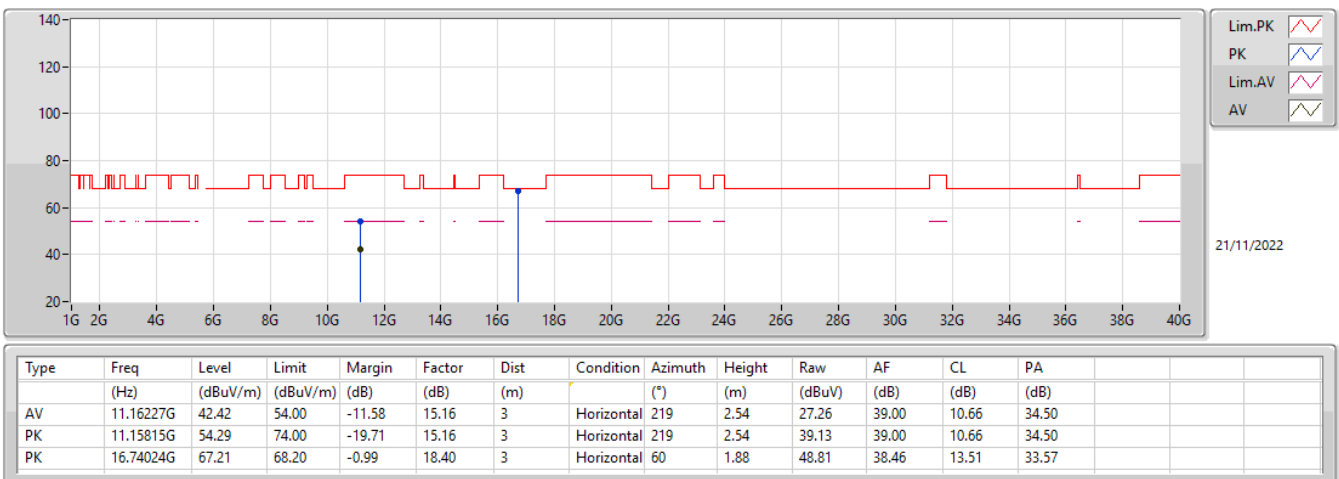
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX



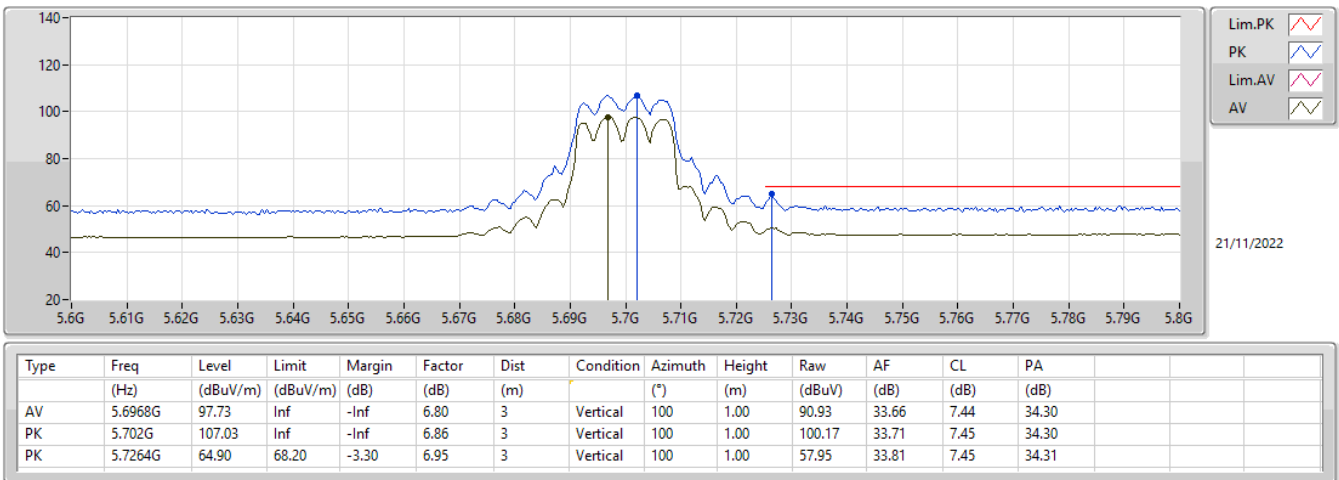
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5580MHz_TX



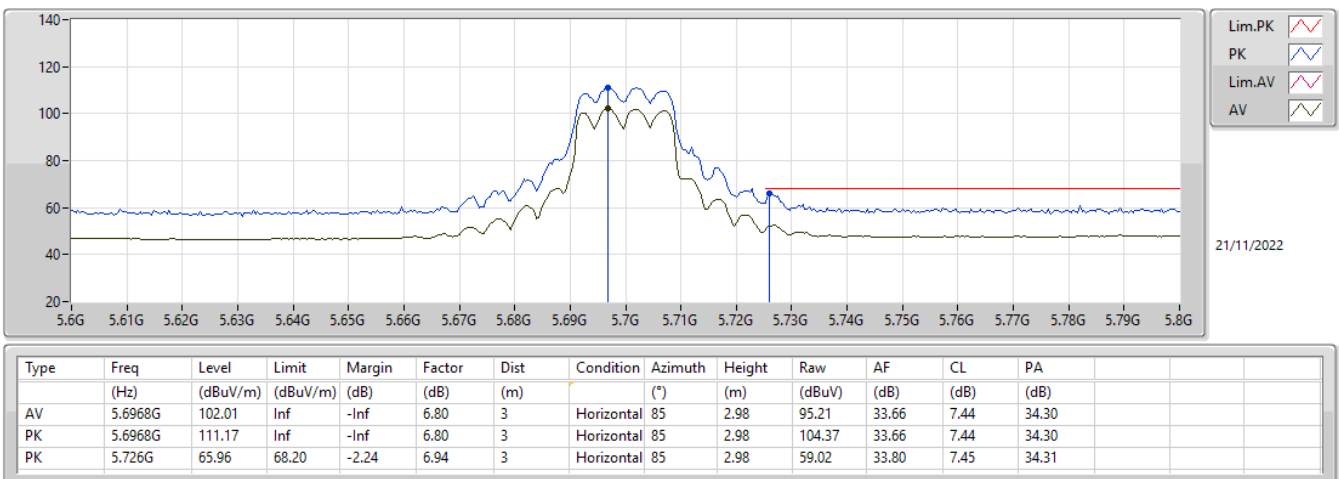
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



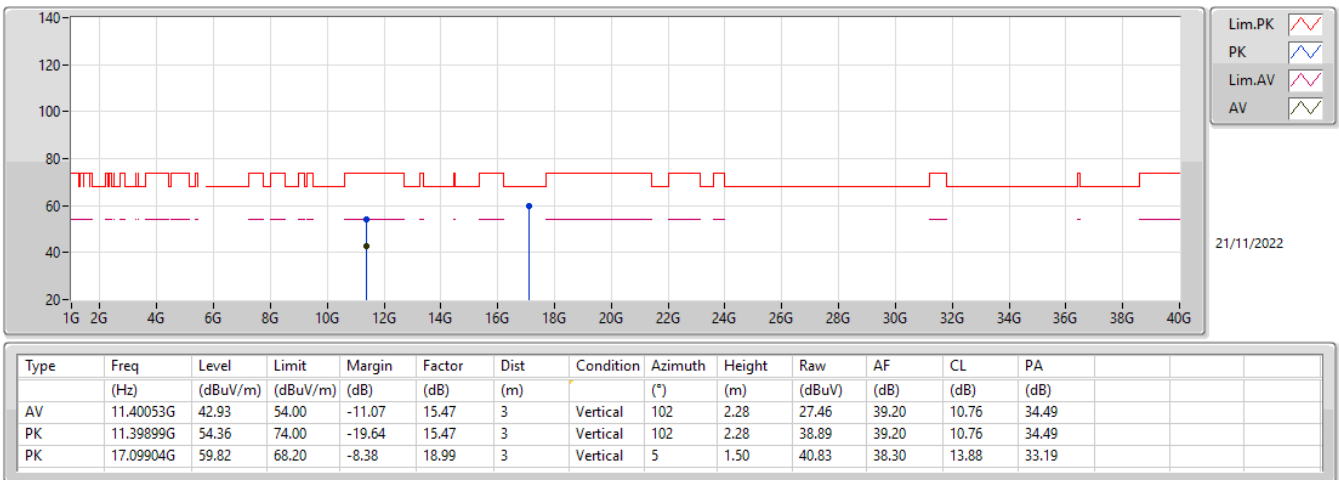
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



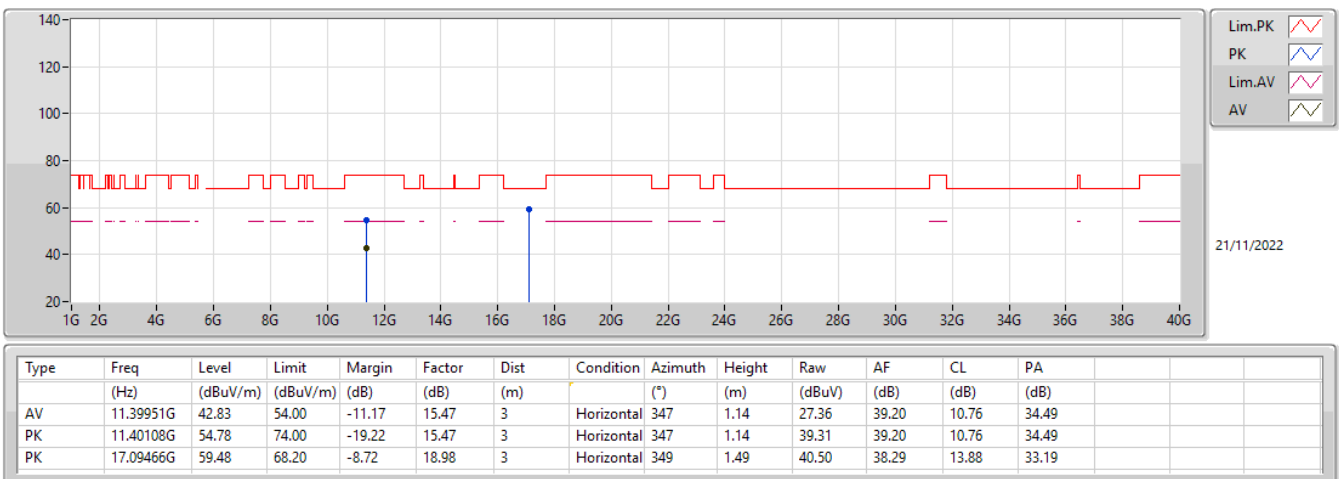
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



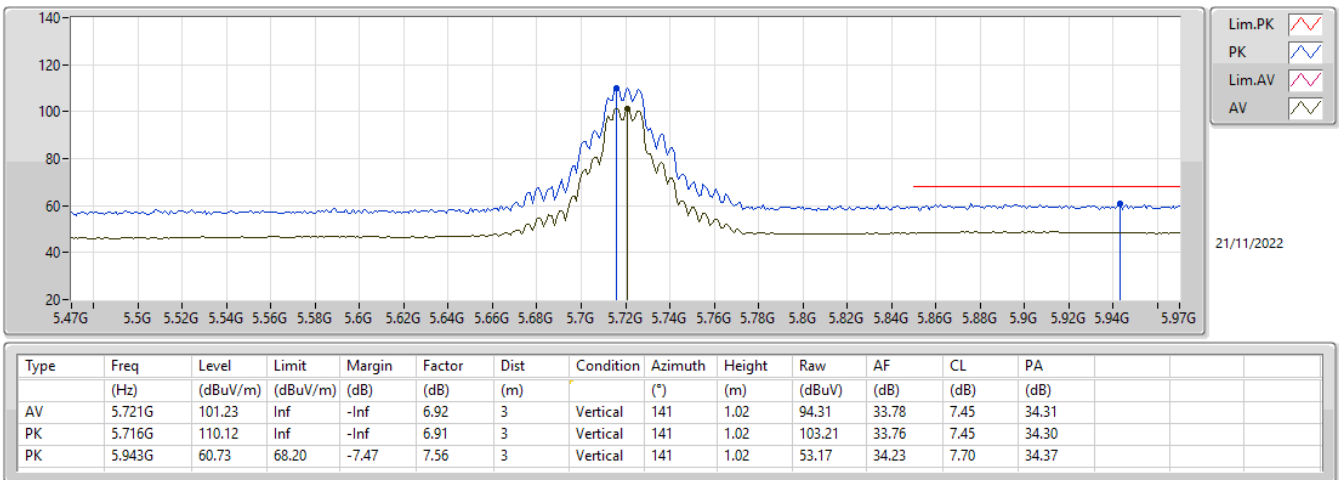
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5700MHz_TX



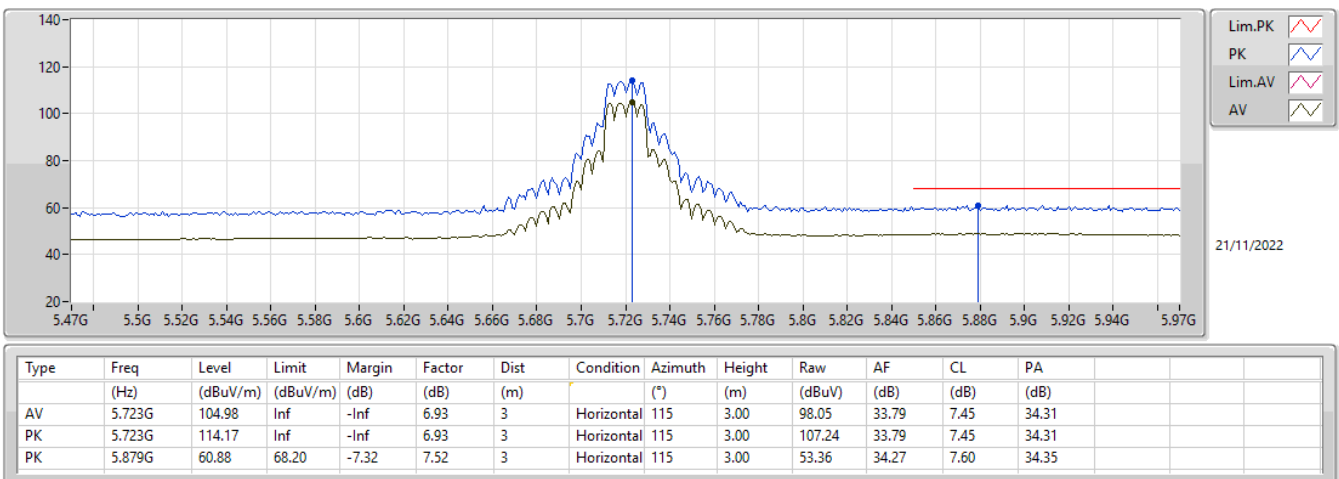
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX



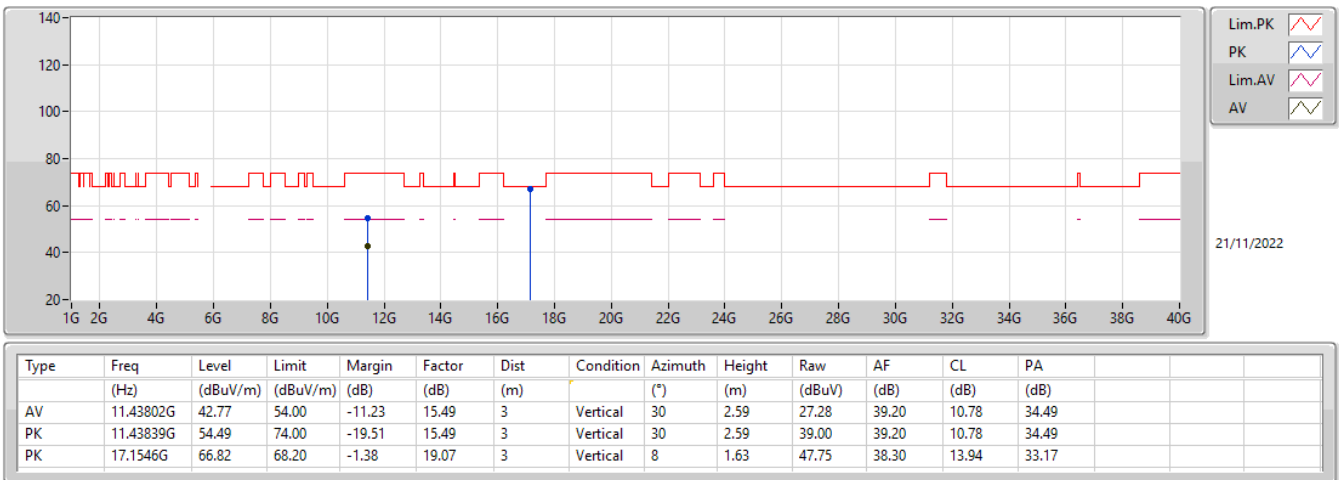
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX



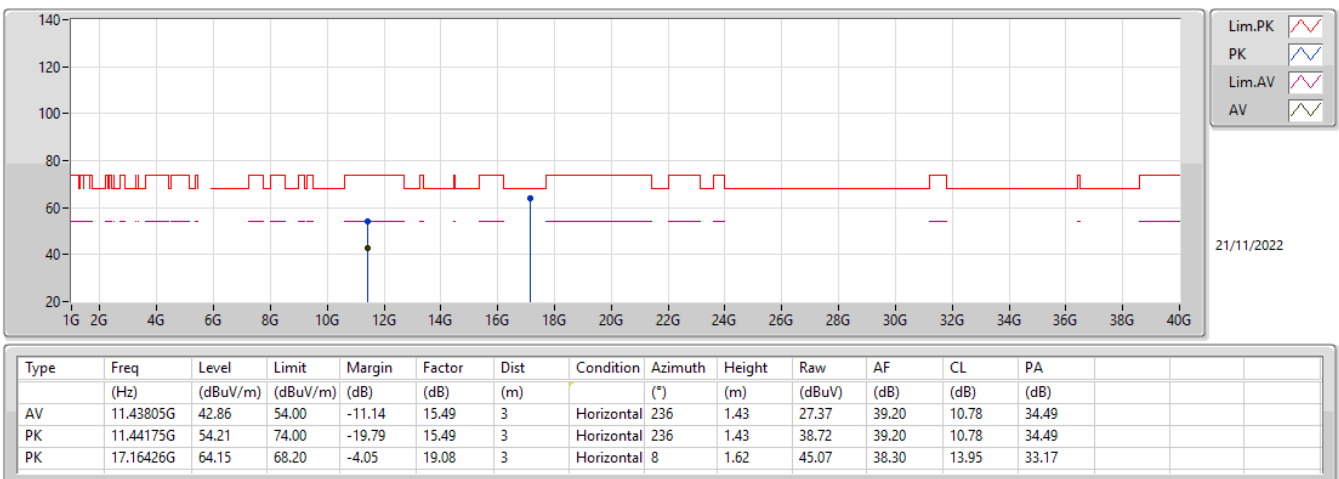
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX



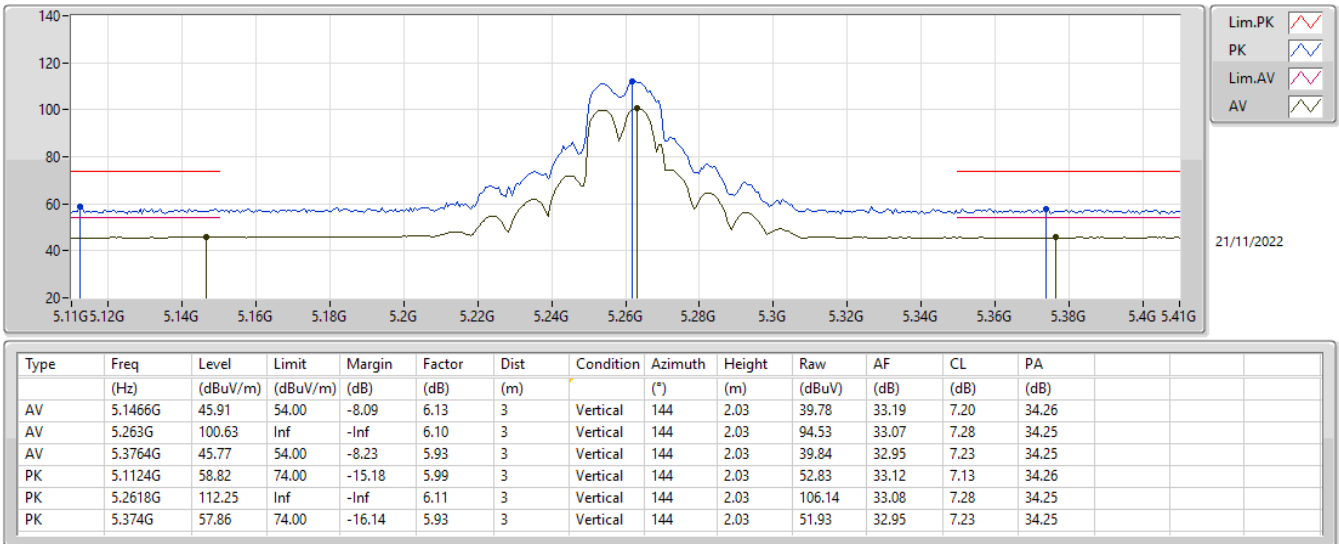
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX



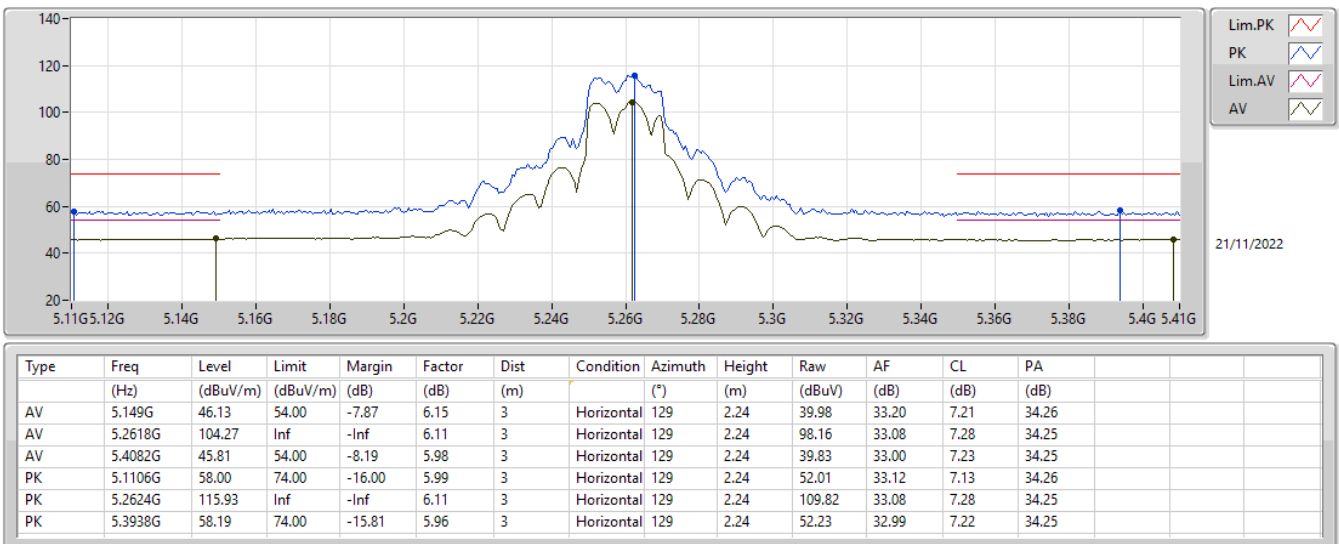
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TX



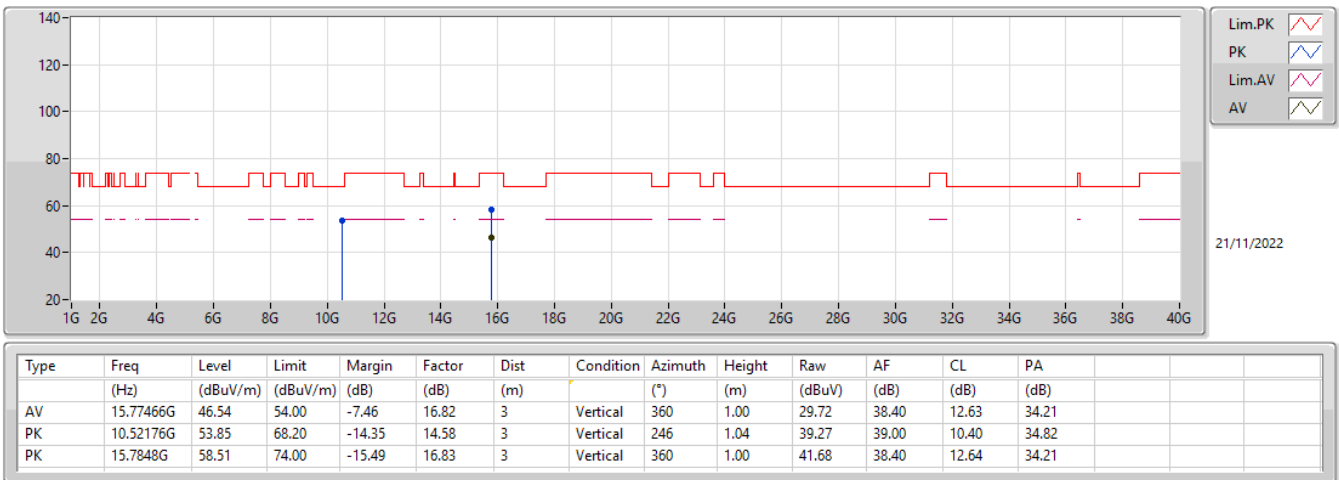
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5260MHz_TX



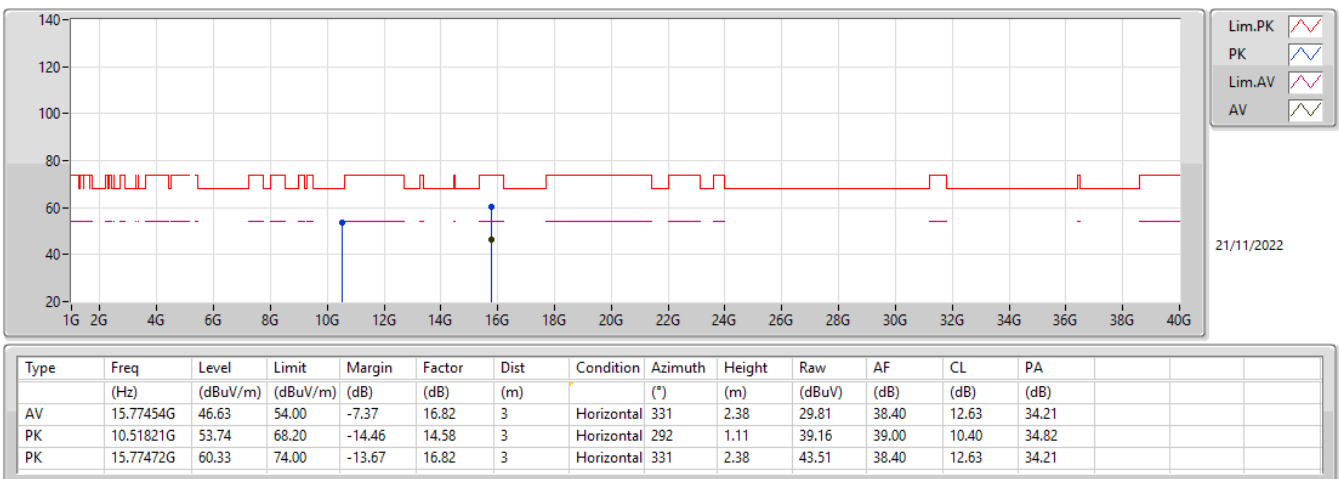
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5260MHz_TX



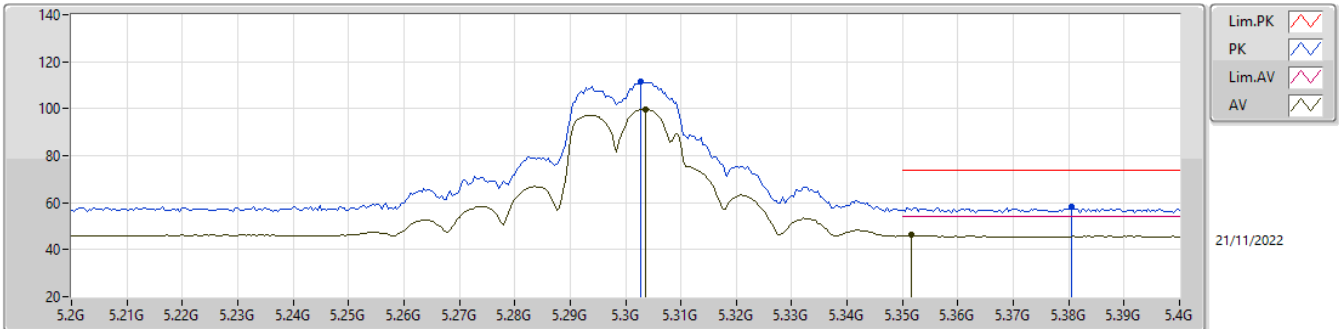
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TX



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

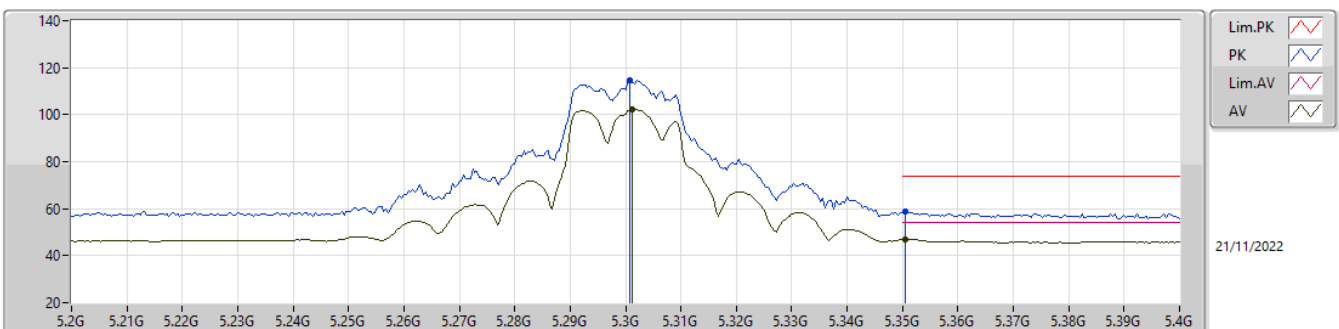
5300MHz_TX



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	5.3036G	99.84	Inf	-Inf	6.00	3	Vertical	143	1.71	93.84	32.99	7.26	34.25
AV	5.3516G	46.20	54.00	-7.80	5.89	3	Vertical	143	1.71	40.31	32.90	7.24	34.25
PK	5.3028G	111.33	Inf	-Inf	6.00	3	Vertical	143	1.71	105.33	32.99	7.26	34.25
PK	5.3804G	58.03	74.00	-15.97	5.94	3	Vertical	143	1.71	52.09	32.96	7.23	34.25

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

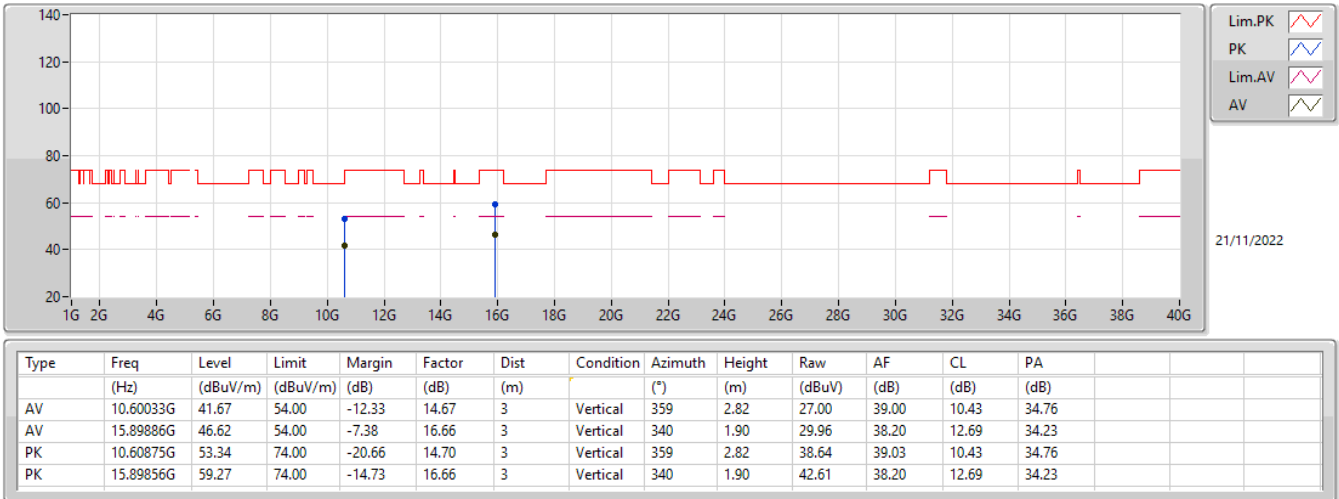
5300MHz_TX



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	5.3012G	102.34	Inf	-Inf	6.01	3	Horizontal	149	2.33	96.33	33.00	7.26	34.25
AV	5.3504G	46.88	54.00	-7.12	5.89	3	Horizontal	149	2.33	40.99	32.90	7.24	34.25
PK	5.3008G	114.63	Inf	-Inf	6.01	3	Horizontal	149	2.33	108.62	33.00	7.26	34.25
PK	5.3504G	58.55	74.00	-15.45	5.89	3	Horizontal	149	2.33	52.66	32.90	7.24	34.25

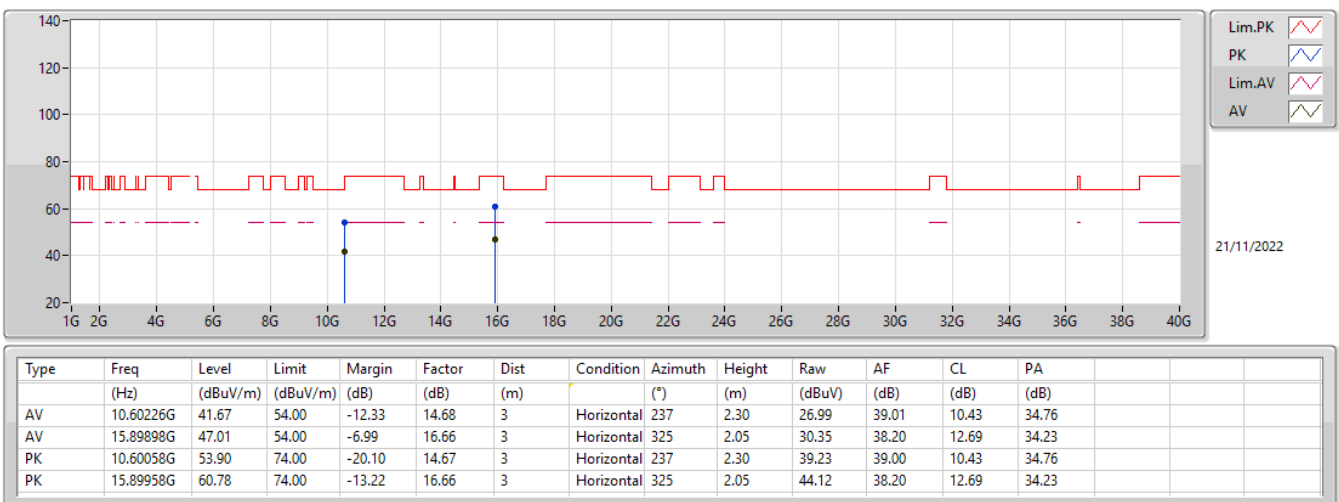
5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

5300MHz_TX



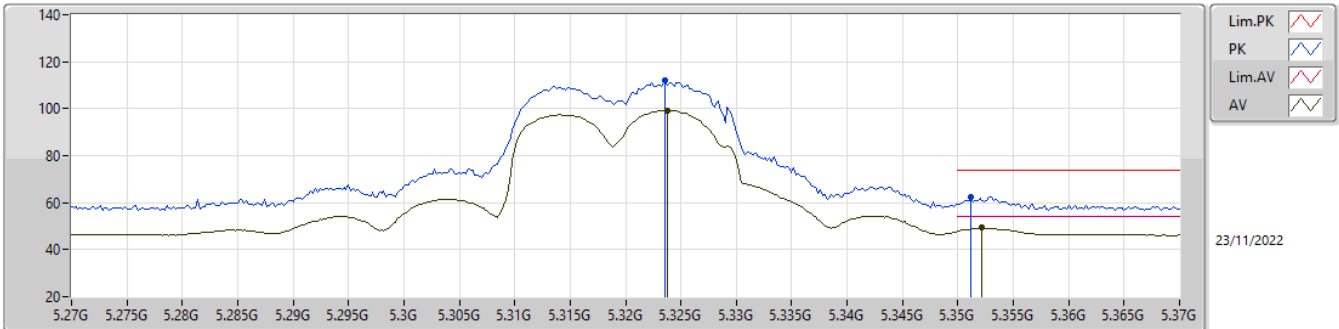
5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

5300MHz_TX



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

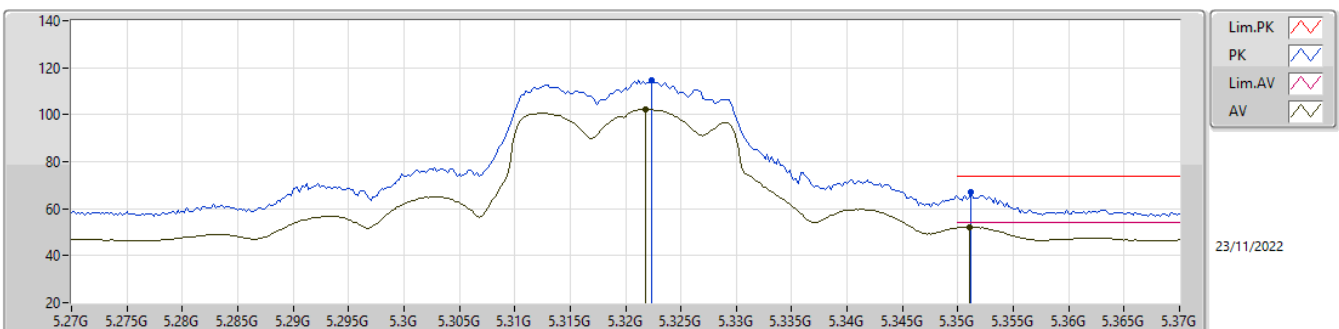
5320MHz_TX



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)
AV	5.3238G	99.21	Inf	-Inf	5.95	3	Vertical	146	1.90	93.26	32.95	7.25	34.25
AV	5.3522G	49.24	54.00	-4.76	5.89	3	Vertical	146	1.90	43.35	32.90	7.24	34.25
PK	5.3236G	111.91	Inf	-Inf	5.95	3	Vertical	146	1.90	105.96	32.95	7.25	34.25
PK	5.3512G	62.65	74.00	-11.35	5.89	3	Vertical	146	1.90	56.76	32.90	7.24	34.25

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

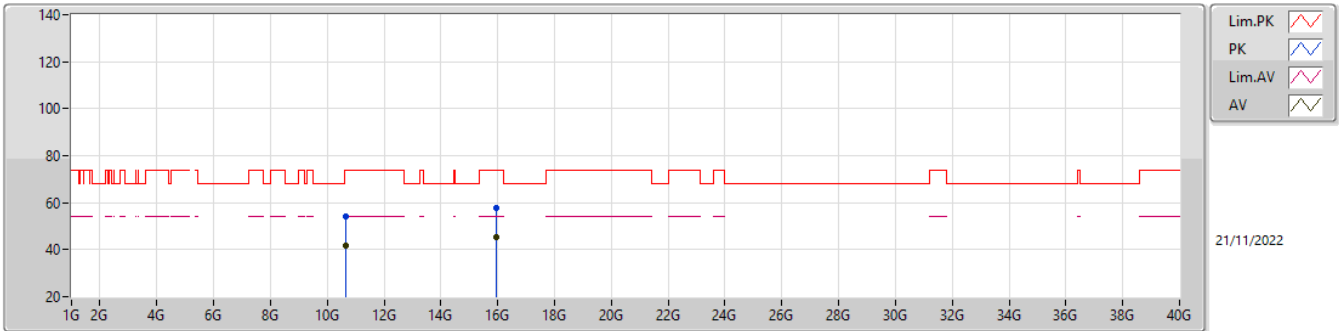
5320MHz_TX



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)
AV	5.3218G	102.28	Inf	-Inf	5.97	3	Horizontal	134	2.39	96.31	32.96	7.26	34.25
AV	5.351G	52.29	54.00	-1.71	5.89	3	Horizontal	134	2.39	46.40	32.90	7.24	34.25
PK	5.3224G	114.81	Inf	-Inf	5.96	3	Horizontal	134	2.39	108.85	32.96	7.25	34.25
PK	5.3512G	66.98	74.00	-7.02	5.89	3	Horizontal	134	2.39	61.09	32.90	7.24	34.25

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

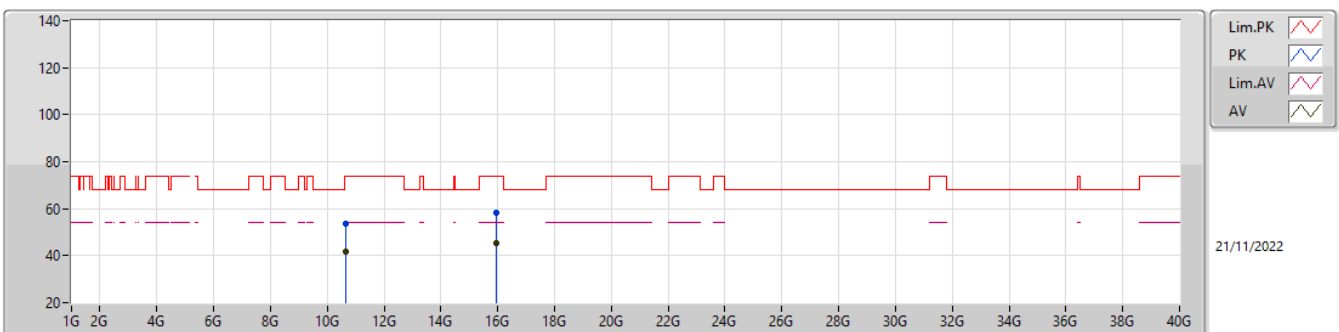
5320MHz_TX



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	10.64145G	41.64	54.00	-12.36	14.83	3	Vertical	123	2.12	26.81	39.12	10.45	34.74
AV	15.96396G	45.19	54.00	-8.81	16.63	3	Vertical	265	1.69	28.56	38.14	12.72	34.23
PK	10.63869G	54.06	74.00	-19.94	14.83	3	Vertical	123	2.12	39.23	39.12	10.45	34.74
PK	15.95058G	57.72	74.00	-16.28	16.64	3	Vertical	265	1.69	41.08	38.15	12.72	34.23

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

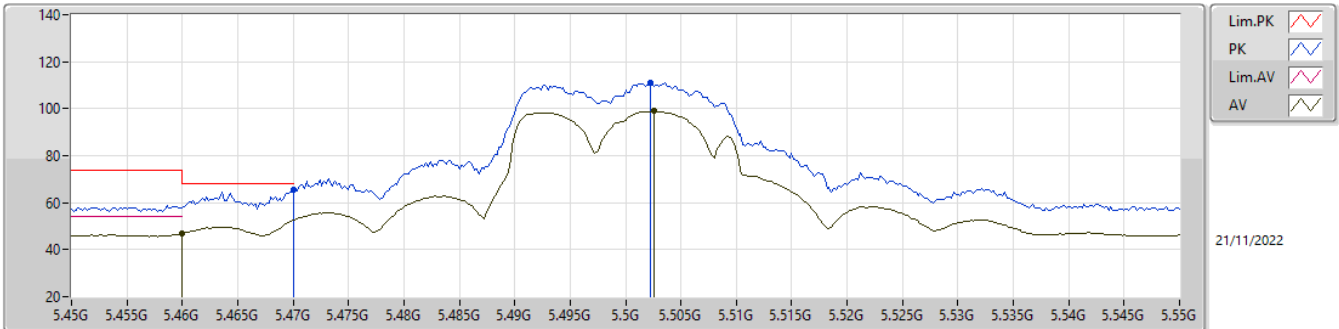
5320MHz_TX



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	10.63764G	41.65	54.00	-12.35	14.81	3	Horizontal	120	2.37	26.84	39.11	10.44	34.74
AV	15.95076G	45.24	54.00	-8.76	16.64	3	Horizontal	179	1.50	28.60	38.15	12.72	34.23
PK	10.63884G	53.84	74.00	-20.16	14.83	3	Horizontal	120	2.37	39.01	39.12	10.45	34.74
PK	15.95664G	58.19	74.00	-15.81	16.63	3	Horizontal	179	1.50	41.56	38.14	12.72	34.23

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

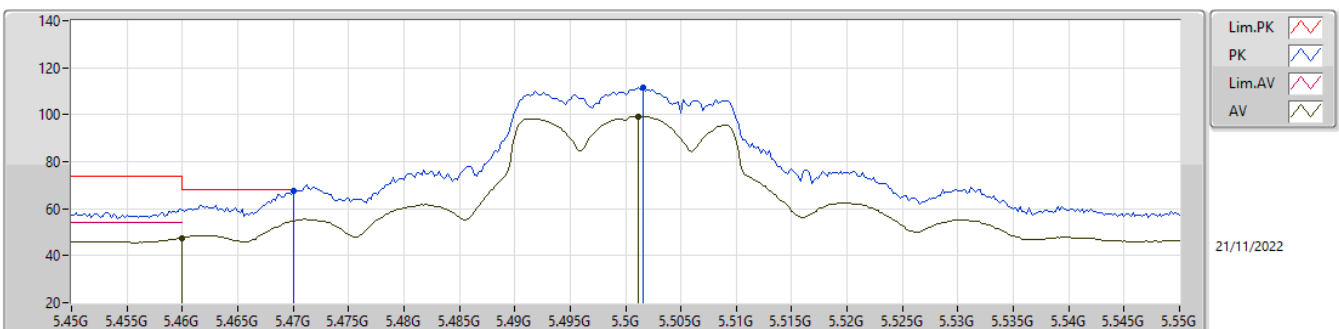
5500MHz_TX



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	46.92	54.00	-7.08	6.04	3	Vertical	158	1.70	40.88	33.00	7.28	34.24
AV	5.5026G	98.88	Inf	-Inf	6.08	3	Vertical	158	1.70	92.80	33.00	7.32	34.24
PK	5.47G	65.36	68.20	-2.84	6.05	3	Vertical	158	1.70	59.31	33.00	7.29	34.24
PK	5.5022G	111.13	Inf	-Inf	6.08	3	Vertical	158	1.70	105.05	33.00	7.32	34.24

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

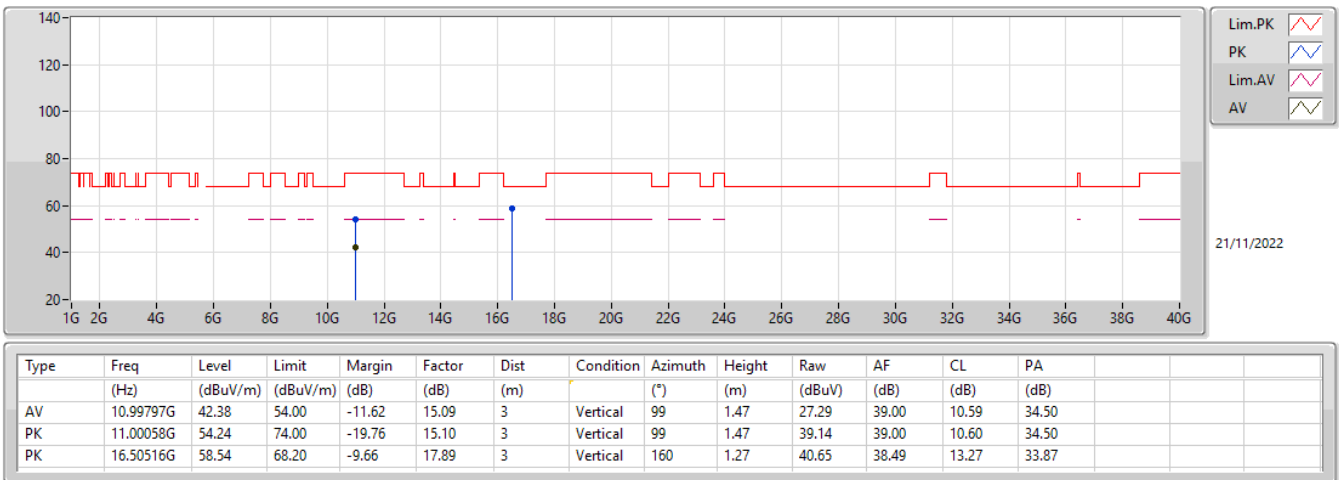
5500MHz_TX



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	47.56	54.00	-6.44	6.04	3	Horizontal	143	1.81	41.52	33.00	7.28	34.24
AV	5.5012G	99.32	Inf	-Inf	6.08	3	Horizontal	143	1.81	93.24	33.00	7.32	34.24
PK	5.47G	67.34	68.20	-0.86	6.05	3	Horizontal	143	1.81	61.29	33.00	7.29	34.24
PK	5.5016G	111.57	Inf	-Inf	6.08	3	Horizontal	143	1.81	105.49	33.00	7.32	34.24

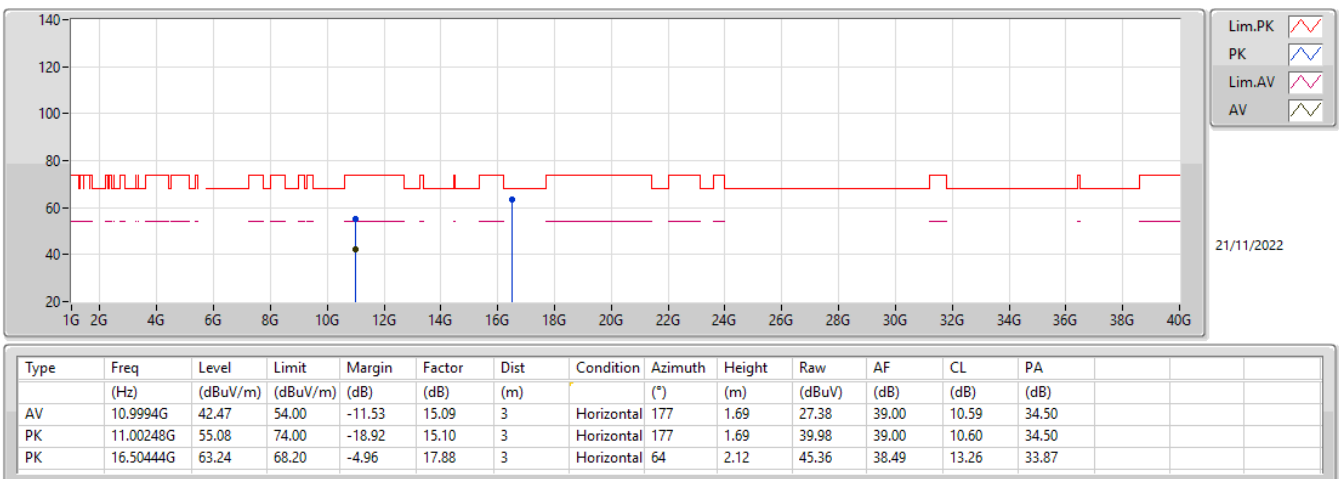
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5500MHz_TX



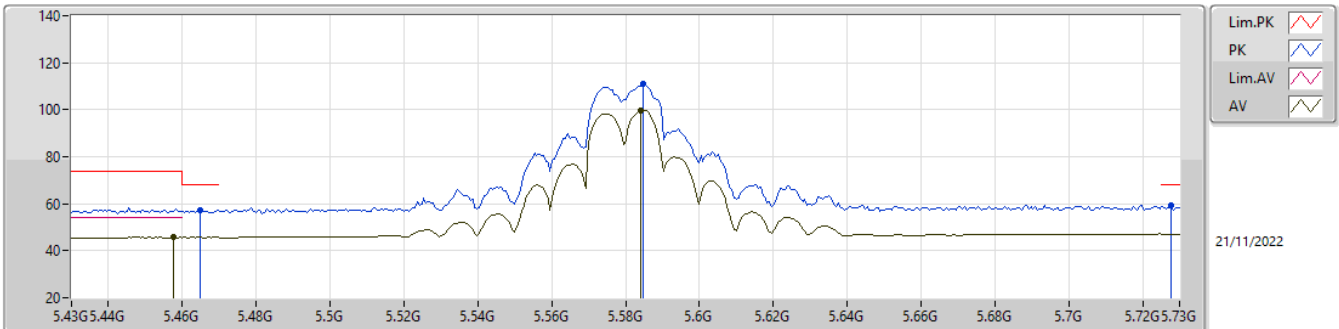
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5500MHz_TX



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

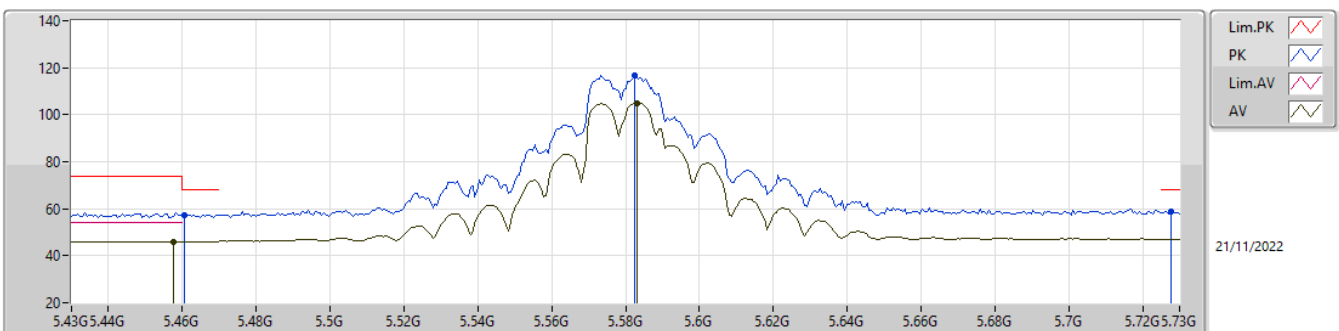
5580MHz_TX



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	5.4576G	45.66	54.00	-8.34	6.04	3	Vertical	104	1.32	39.62	33.00	7.28	34.24
AV	5.5842G	99.64	Inf	-Inf	6.20	3	Vertical	104	1.32	93.44	33.07	7.40	34.27
PK	5.4648G	57.31	68.20	-10.89	6.04	3	Vertical	104	1.32	51.27	33.00	7.28	34.24
PK	5.5848G	110.87	Inf	-Inf	6.20	3	Vertical	104	1.32	104.67	33.07	7.40	34.27
PK	5.7276G	59.38	68.20	-8.82	6.95	3	Vertical	104	1.32	52.43	33.81	7.45	34.31

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

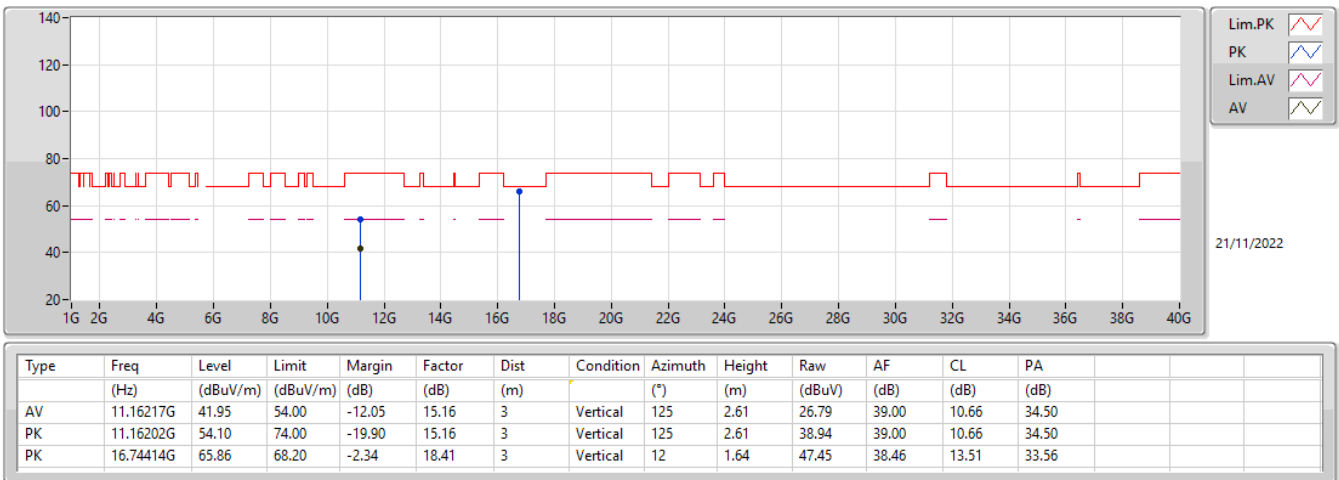
5580MHz_TX



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	5.4576G	46.04	54.00	-7.96	6.04	3	Horizontal	85	2.98	40.00	33.00	7.28	34.24
AV	5.583G	105.07	Inf	-Inf	6.21	3	Horizontal	85	2.98	98.86	33.07	7.40	34.26
PK	5.4606G	57.33	68.20	-10.87	6.04	3	Horizontal	85	2.98	51.29	33.00	7.28	34.24
PK	5.5824G	116.83	Inf	-Inf	6.20	3	Horizontal	85	2.98	110.63	33.06	7.40	34.26
PK	5.7276G	58.82	68.20	-9.38	6.95	3	Horizontal	85	2.98	51.87	33.81	7.45	34.31

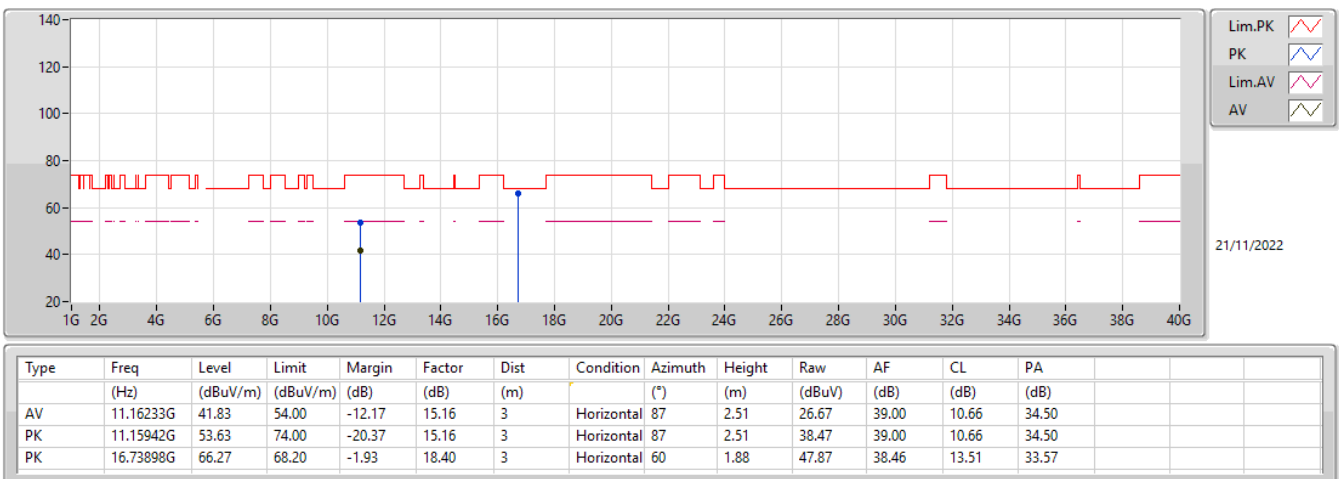
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5580MHz_TX



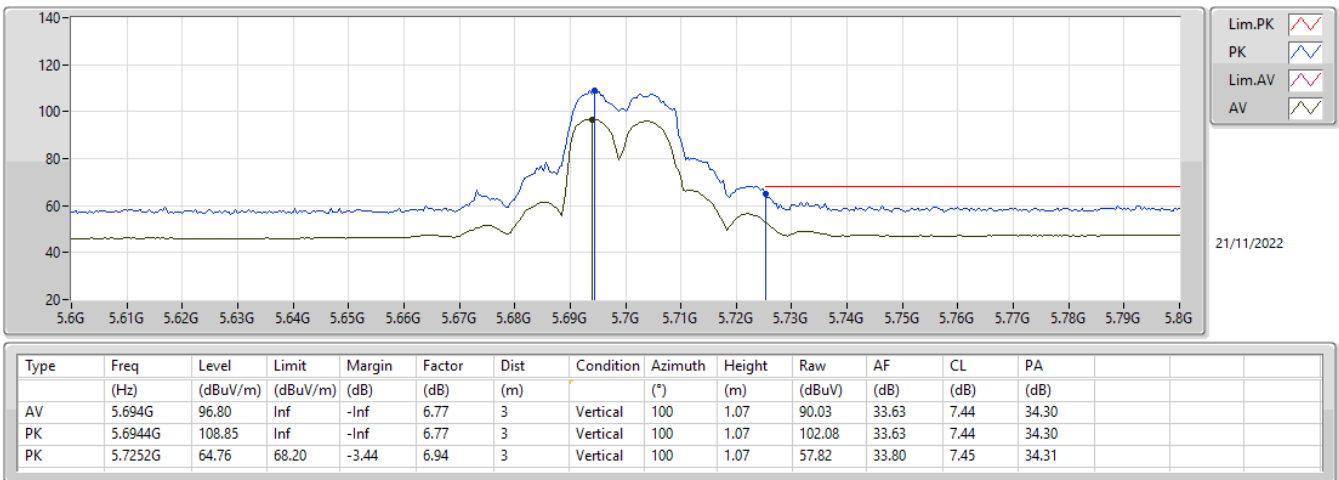
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5580MHz_TX



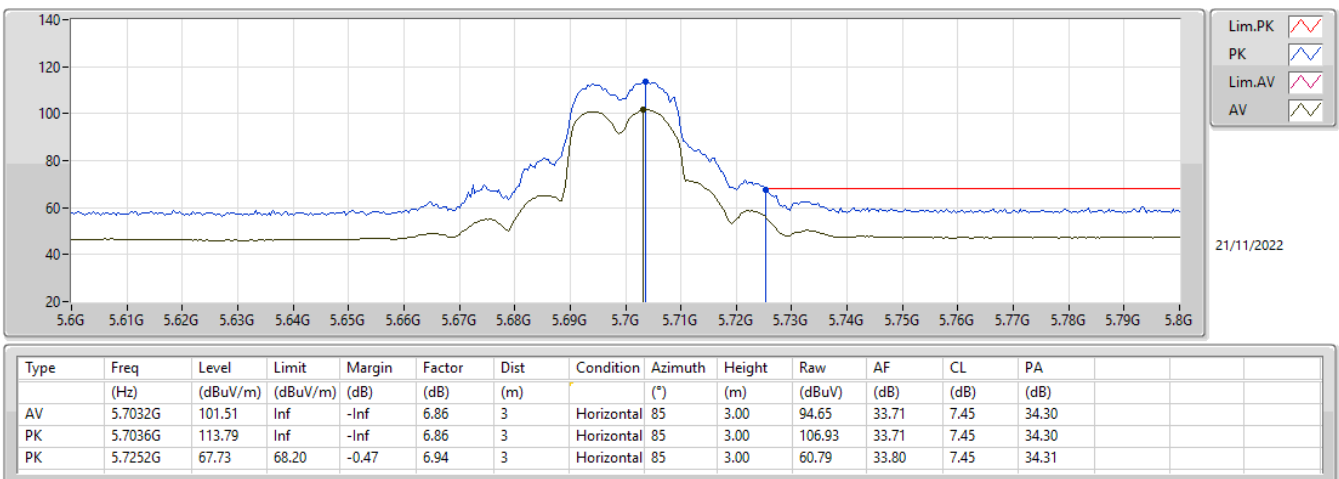
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz_TX



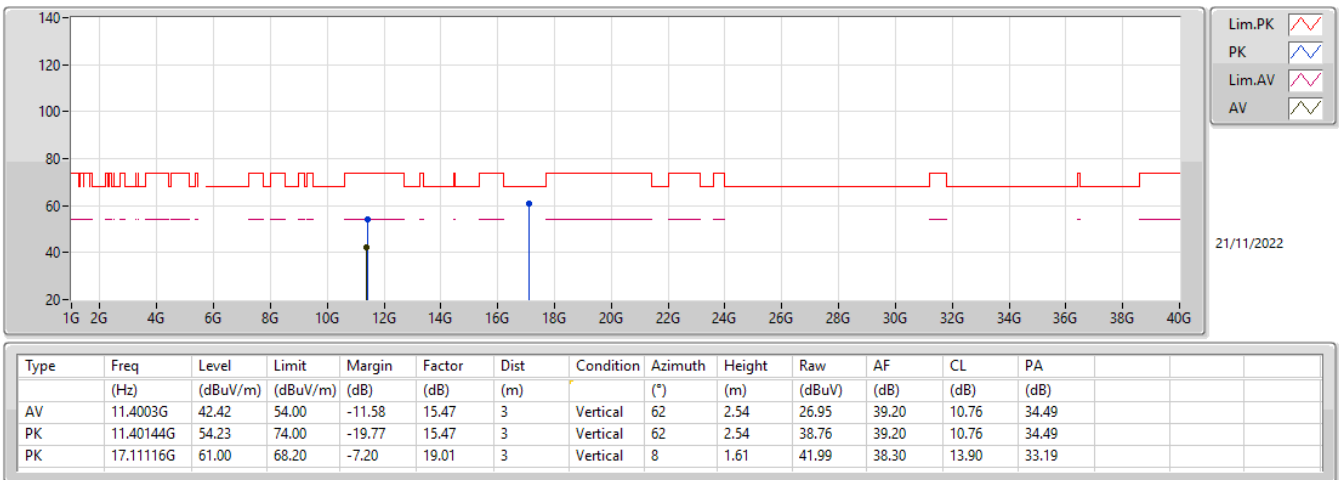
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5700MHz_TX



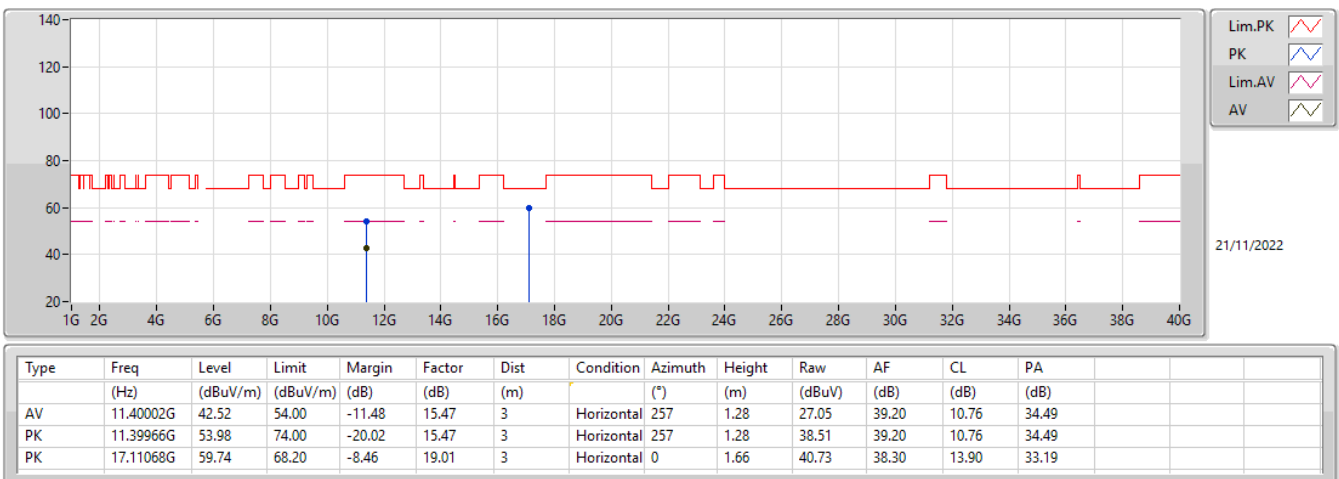
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5700MHz_TX



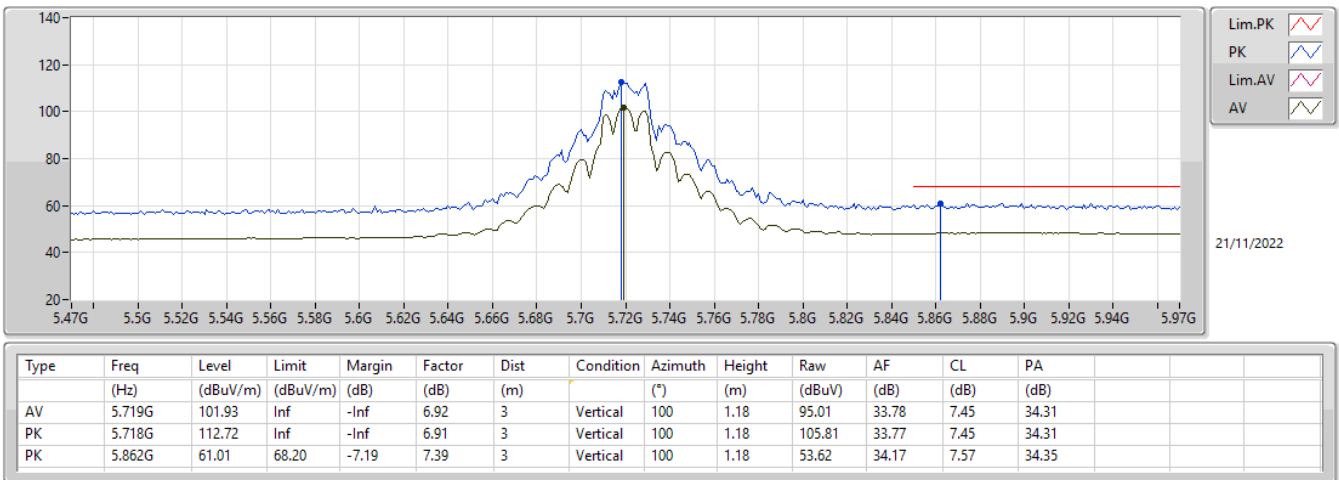
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz_TX



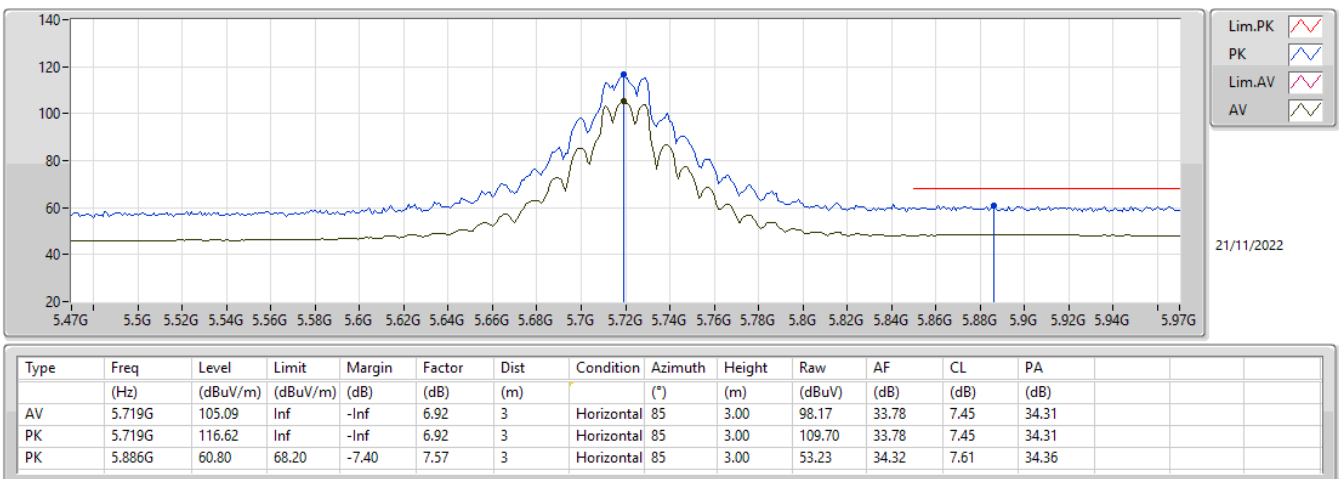
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX



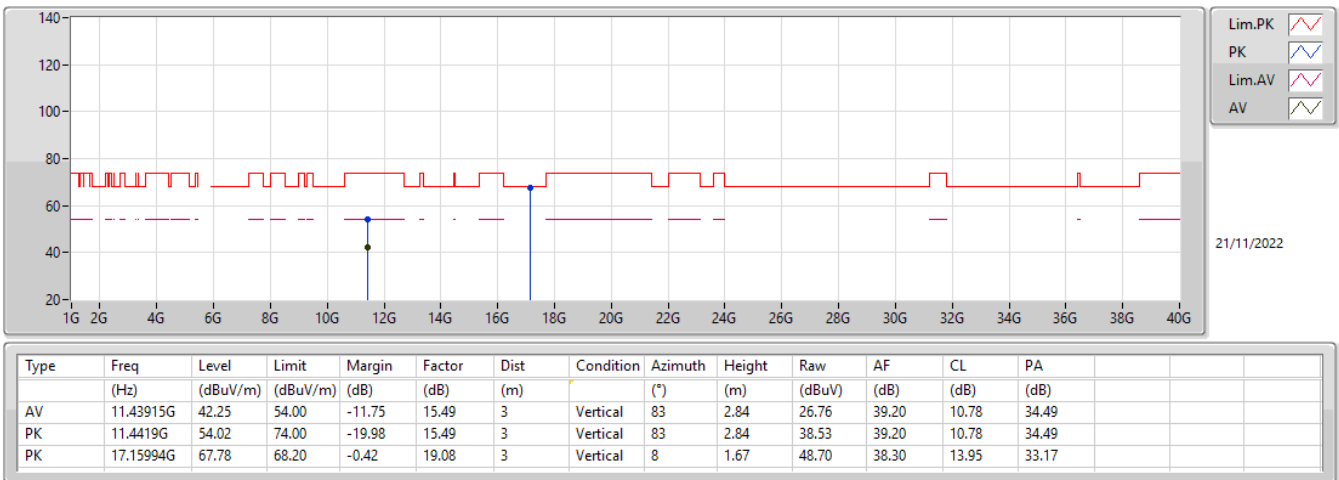
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX



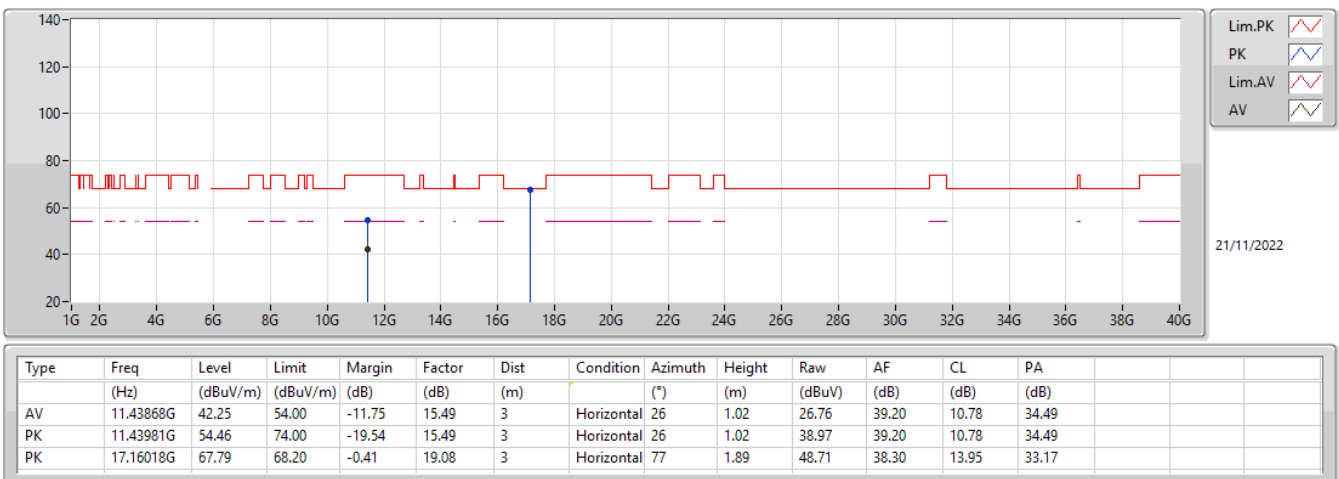
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5720MHz Straddle 5.47-5.725GHz_TX



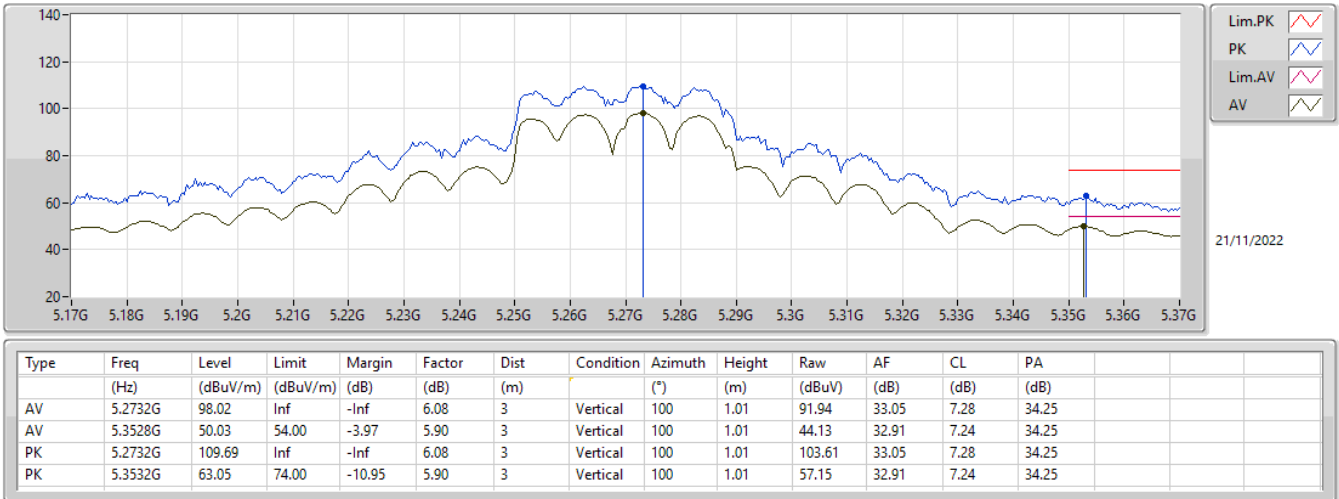
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX



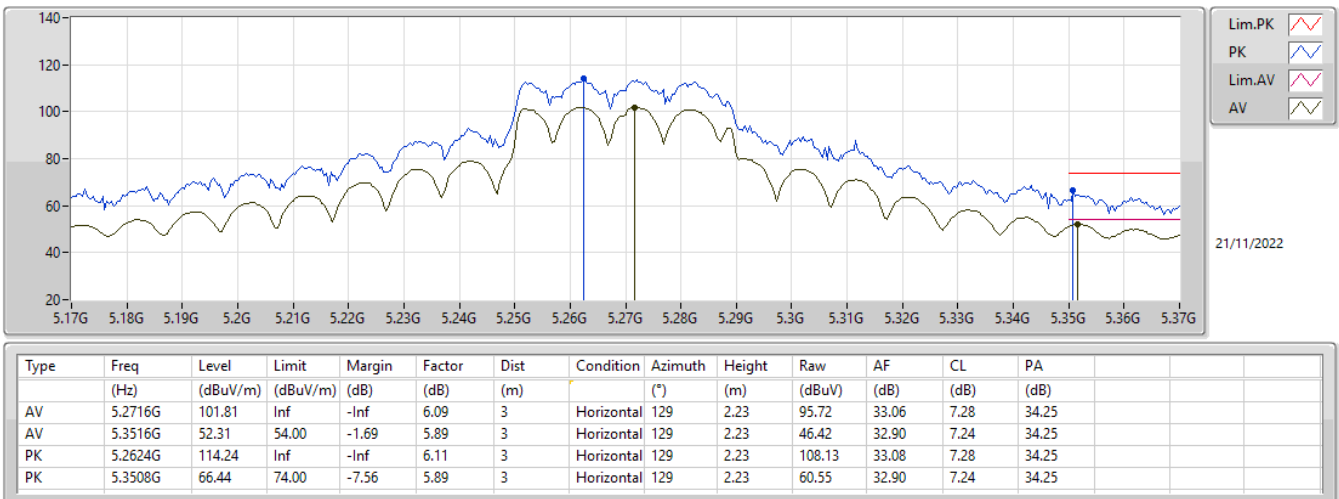
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

5270MHz_TX



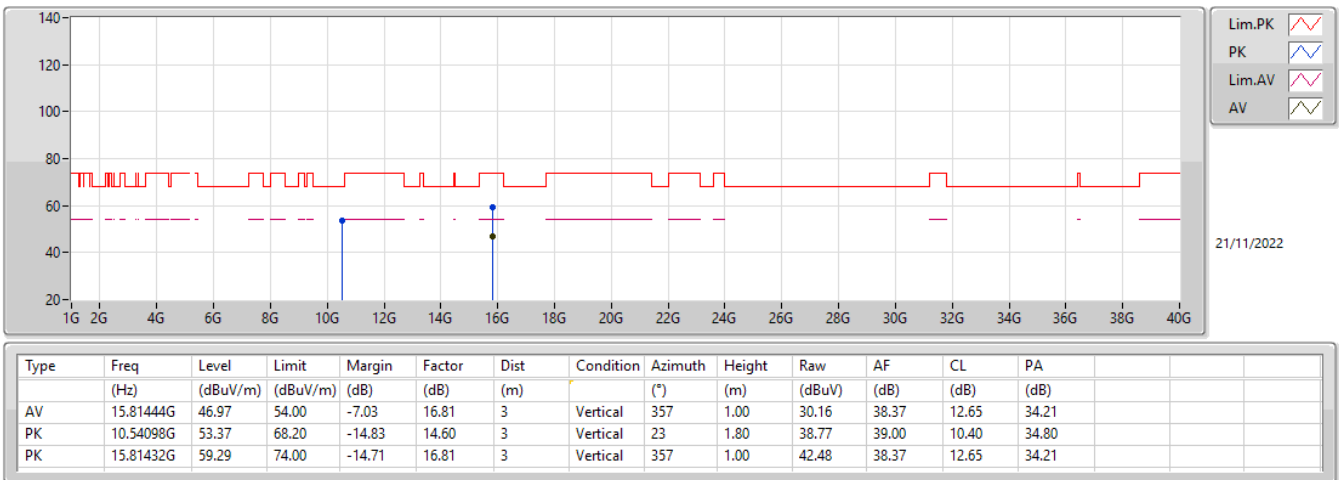
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

5270MHz_TX



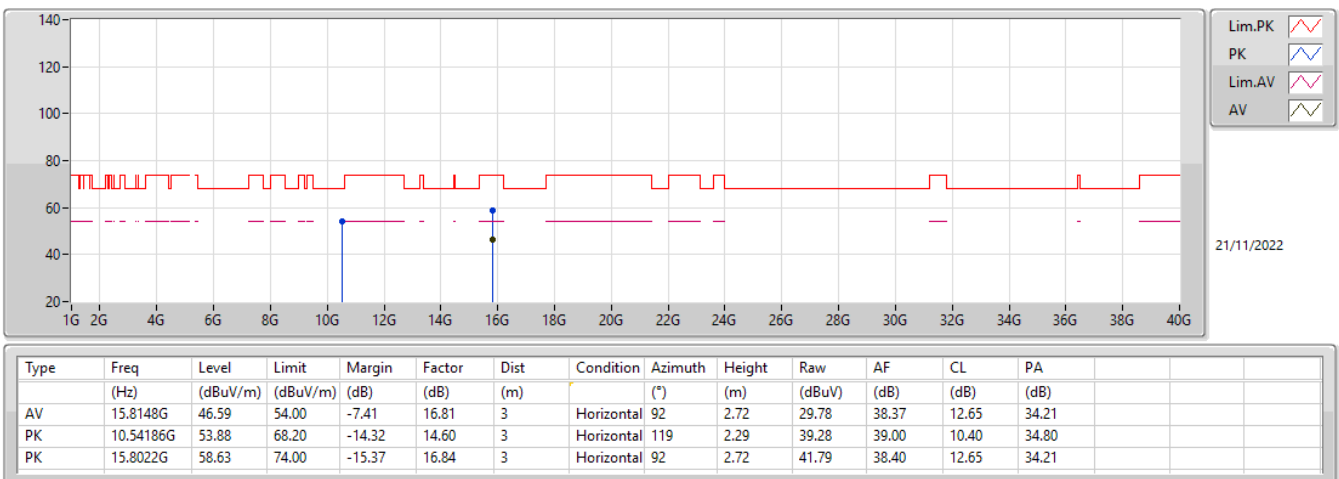
5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TX



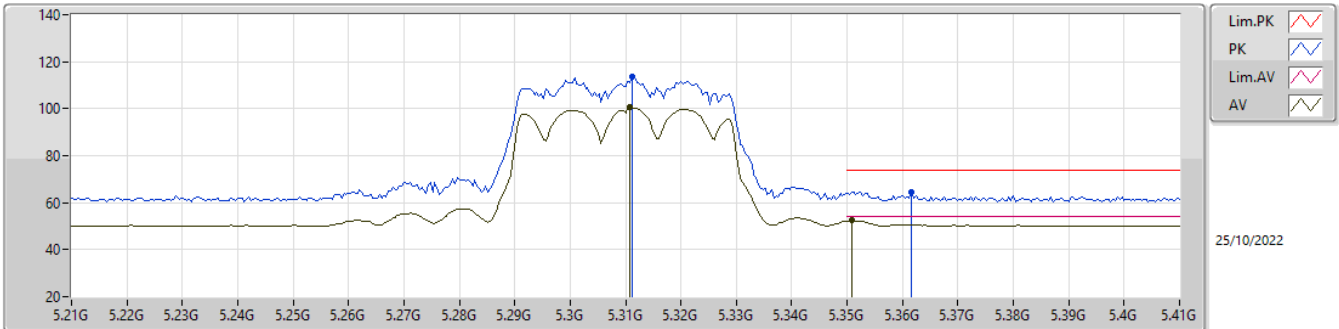
5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TX



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

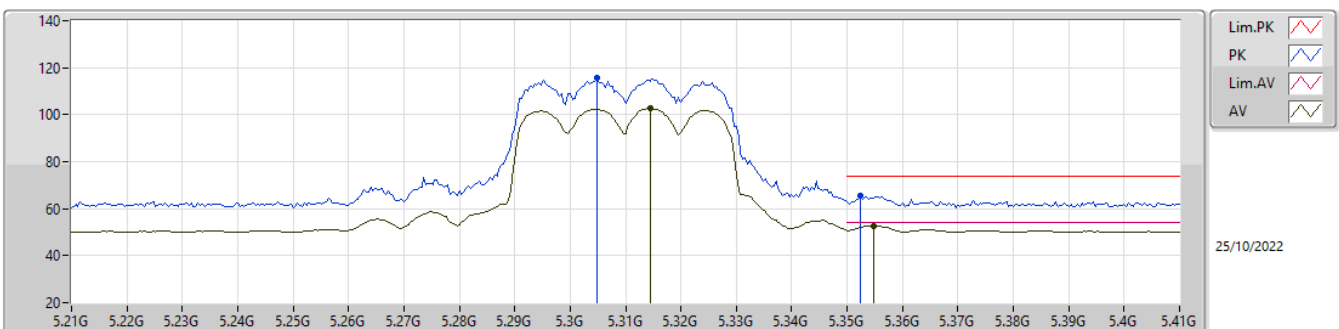
5310MHz_TX



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	5.3108G	100.45	Inf	-Inf	12.88	3	Vertical	28	1.50	87.57	32.98	9.94	30.04
AV	5.3508G	52.35	54.00	-1.65	12.82	3	Vertical	28	1.50	39.53	32.90	9.97	30.05
PK	5.3112G	113.53	Inf	-Inf	12.88	3	Vertical	28	1.50	100.65	32.98	9.94	30.04
PK	5.3616G	64.62	74.00	-9.38	12.82	3	Vertical	28	1.50	51.80	32.90	9.97	30.05

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

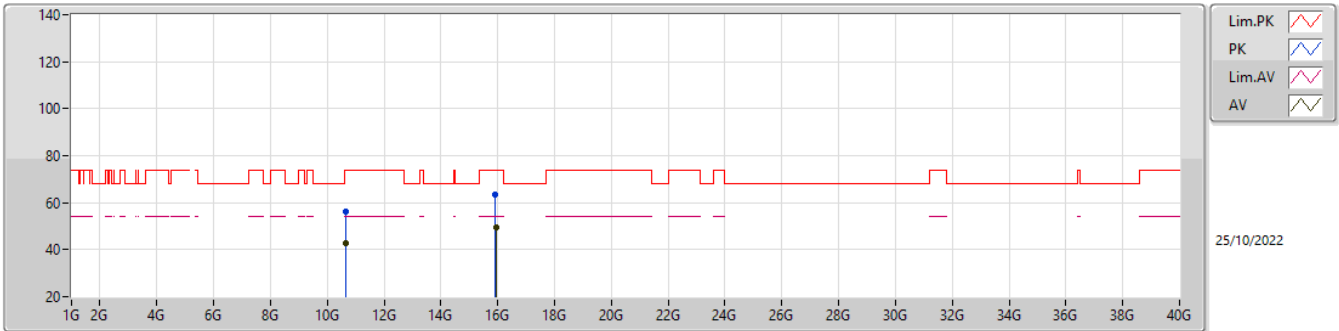
5310MHz_TX



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	5.3144G	102.75	Inf	-Inf	12.87	3	Horizontal	32	2.43	89.88	32.97	9.94	30.04
AV	5.3548G	52.79	54.00	-1.21	12.82	3	Horizontal	32	2.43	39.97	32.90	9.97	30.05
PK	5.3048G	115.72	Inf	-Inf	12.88	3	Horizontal	32	2.43	102.84	32.99	9.93	30.04
PK	5.3524G	65.63	74.00	-8.37	12.82	3	Horizontal	32	2.43	52.81	32.90	9.97	30.05

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

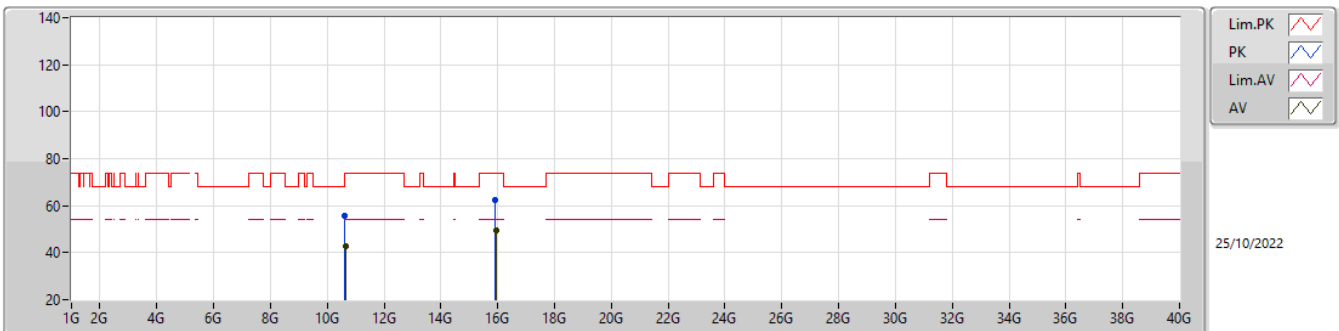
5310MHz_TX



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)				
AV	10.63428G	42.56	54.00	-11.44	20.90	3	Vertical	302	1.50	21.66	39.00	12.78	30.88				
AV	15.95448G	49.60	54.00	-4.40	22.47	3	Vertical	54	1.50	27.13	38.09	15.99	31.61				
PK	10.64736G	56.19	74.00	-17.81	20.94	3	Vertical	302	1.50	35.25	39.04	12.78	30.88				
PK	15.9102G	63.68	74.00	-10.32	22.52	3	Vertical	54	1.50	41.16	38.18	15.95	31.61				

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

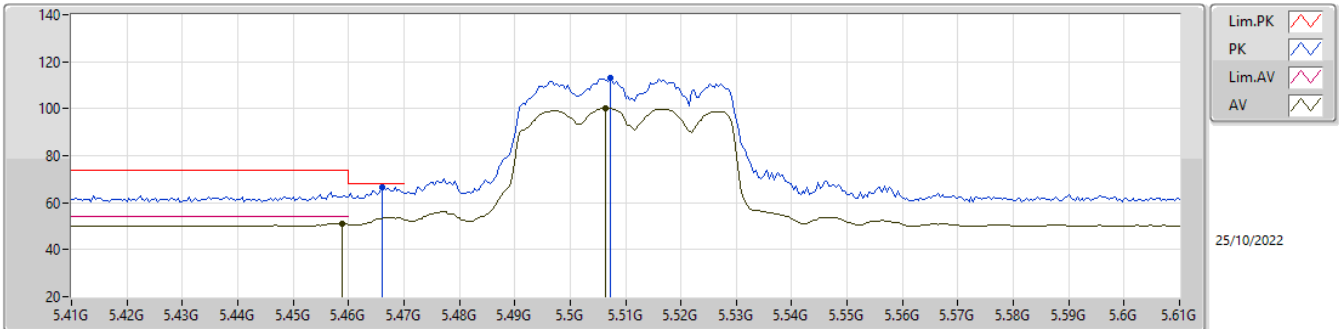
5310MHz_TX



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)				
AV	10.6476G	42.67	54.00	-11.33	20.94	3	Horizontal	264	1.50	21.73	39.04	12.78	30.88				
AV	15.95856G	49.53	54.00	-4.47	22.46	3	Horizontal	37	3.00	27.07	38.08	15.99	31.61				
PK	10.62336G	55.74	74.00	-18.26	20.86	3	Horizontal	264	1.50	34.88	38.97	12.77	30.88				
PK	15.91824G	62.39	74.00	-11.61	22.51	3	Horizontal	37	3.00	39.88	38.16	15.96	31.61				

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

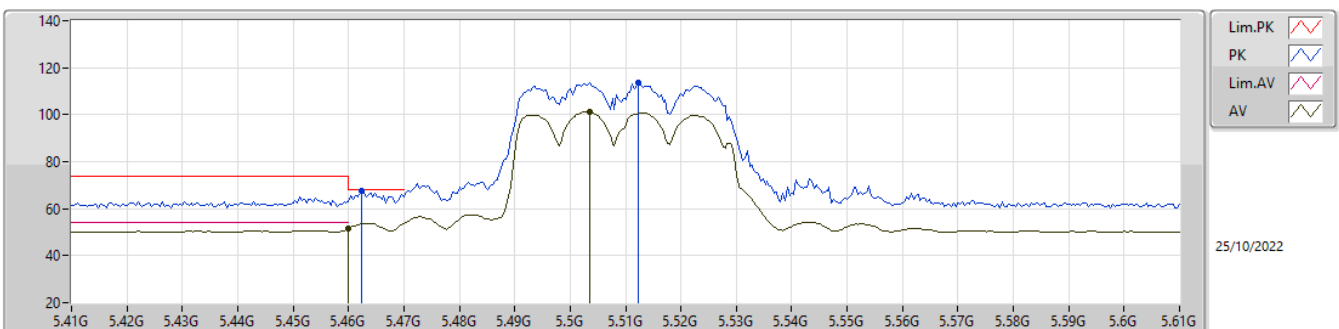
5510MHz_TX



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	5.4588G	50.98	54.00	-3.02	12.84	3	Vertical	360	1.09	38.14	32.90	10.02	30.08
AV	5.5064G	100.31	Inf	-Inf	12.85	3	Vertical	360	1.09	87.46	32.90	10.04	30.09
PK	5.466G	66.53	68.20	-1.67	12.84	3	Vertical	360	1.09	53.69	32.90	10.02	30.08
PK	5.5072G	112.86	Inf	-Inf	12.85	3	Vertical	360	1.09	100.01	32.90	10.04	30.09

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

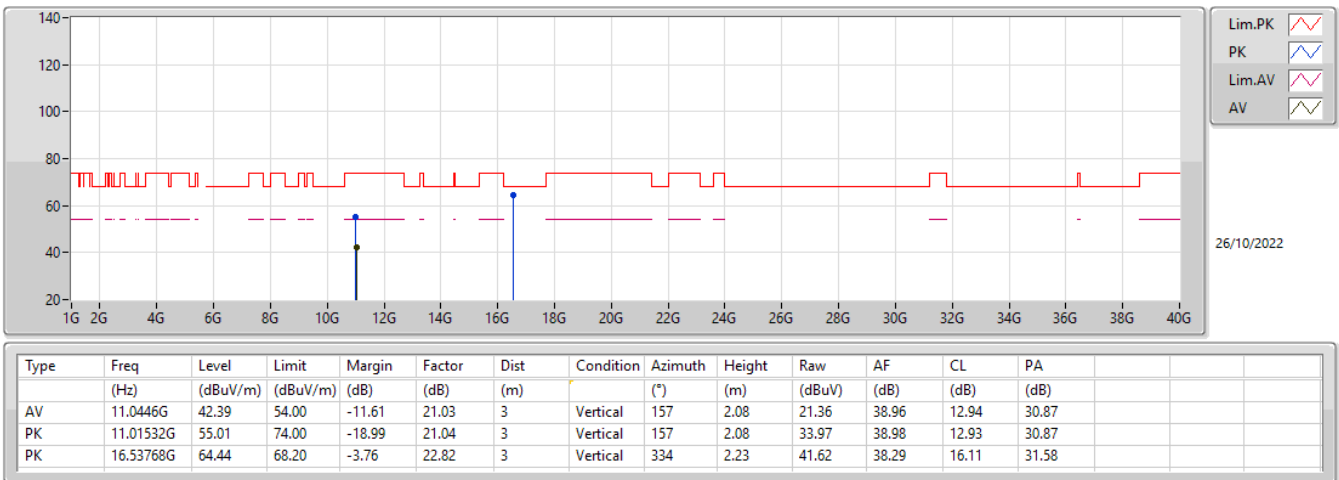
5510MHz_TX



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	51.74	54.00	-2.26	12.84	3	Horizontal	20	2.01	38.90	32.90	10.02	30.08
AV	5.5036G	101.24	Inf	-Inf	12.85	3	Horizontal	20	2.01	88.39	32.90	10.04	30.09
PK	5.4624G	67.50	68.20	-0.70	12.84	3	Horizontal	20	2.01	54.66	32.90	10.02	30.08
PK	5.5124G	113.62	Inf	-Inf	12.85	3	Horizontal	20	2.01	100.77	32.90	10.04	30.09

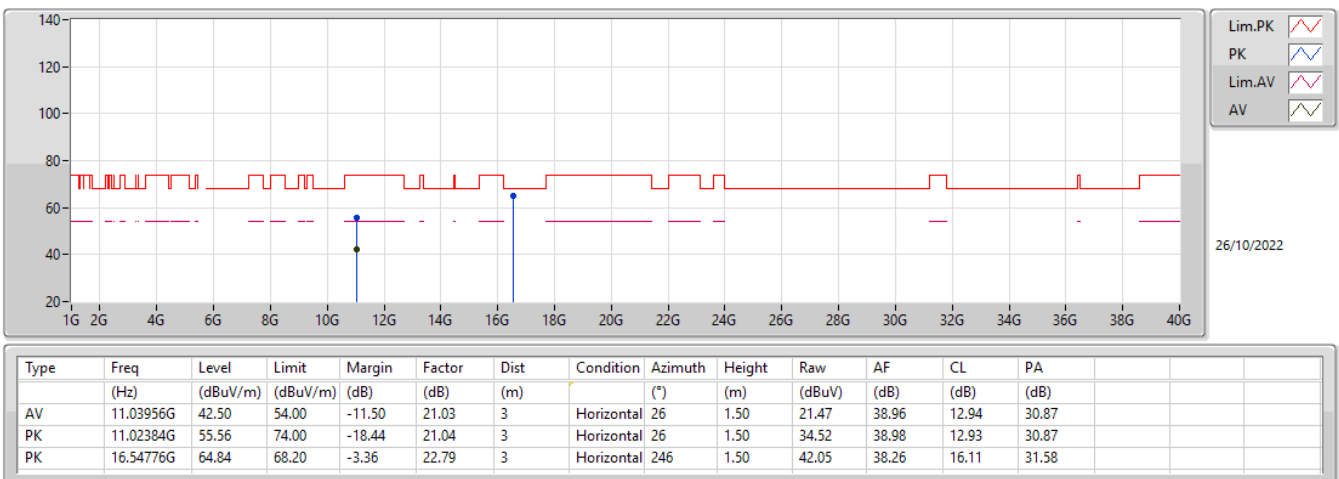
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5510MHz_TX



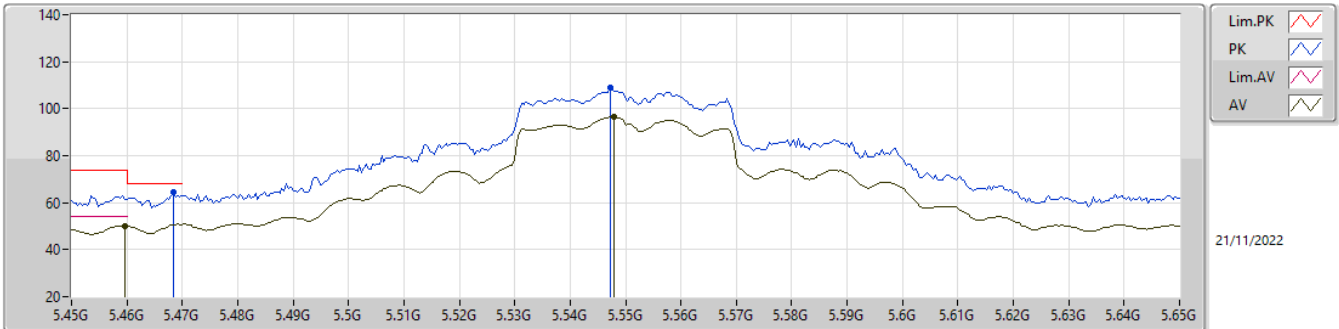
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5510MHz_TX



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

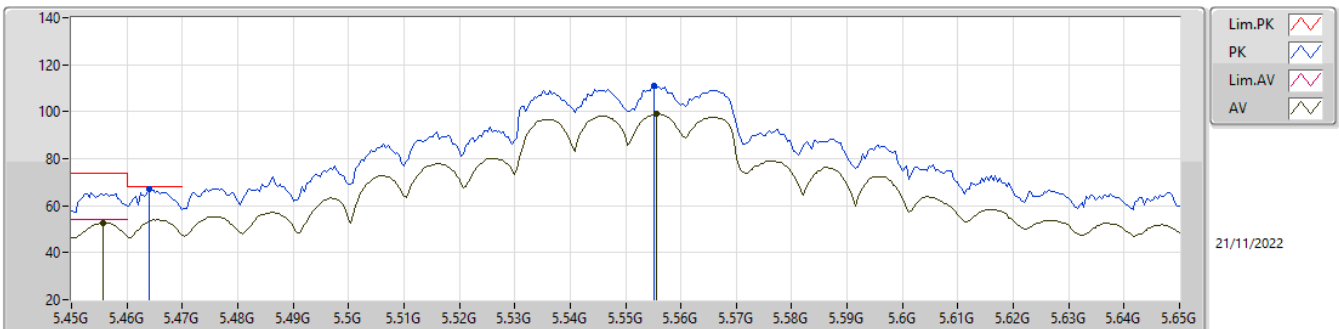
5550MHz_TX



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	5.4596G	50.22	54.00	-3.78	6.04	3	Vertical	174	2.15	44.18	33.00	7.28	34.24
AV	5.548G	96.37	Inf	-Inf	6.12	3	Vertical	174	2.15	90.25	33.00	7.37	34.25
PK	5.4684G	64.66	68.20	-3.54	6.05	3	Vertical	174	2.15	58.61	33.00	7.29	34.24
PK	5.5472G	109.16	Inf	-Inf	6.12	3	Vertical	174	2.15	103.04	33.00	7.37	34.25

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

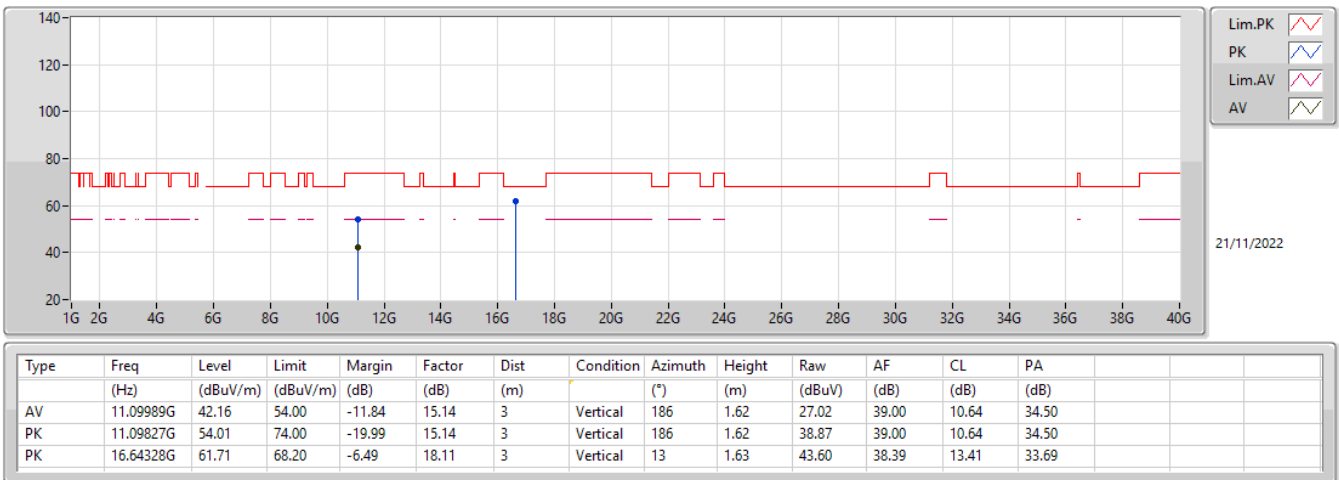
5550MHz_TX



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	5.4556G	52.76	54.00	-1.24	6.04	3	Horizontal	148	1.70	46.72	33.00	7.28	34.24
AV	5.5556G	98.95	Inf	-Inf	6.13	3	Horizontal	148	1.70	92.82	33.01	7.38	34.26
PK	5.464G	67.24	68.20	-0.96	6.04	3	Horizontal	148	1.70	61.20	33.00	7.28	34.24
PK	5.5552G	110.79	Inf	-Inf	6.13	3	Horizontal	148	1.70	104.66	33.01	7.38	34.26

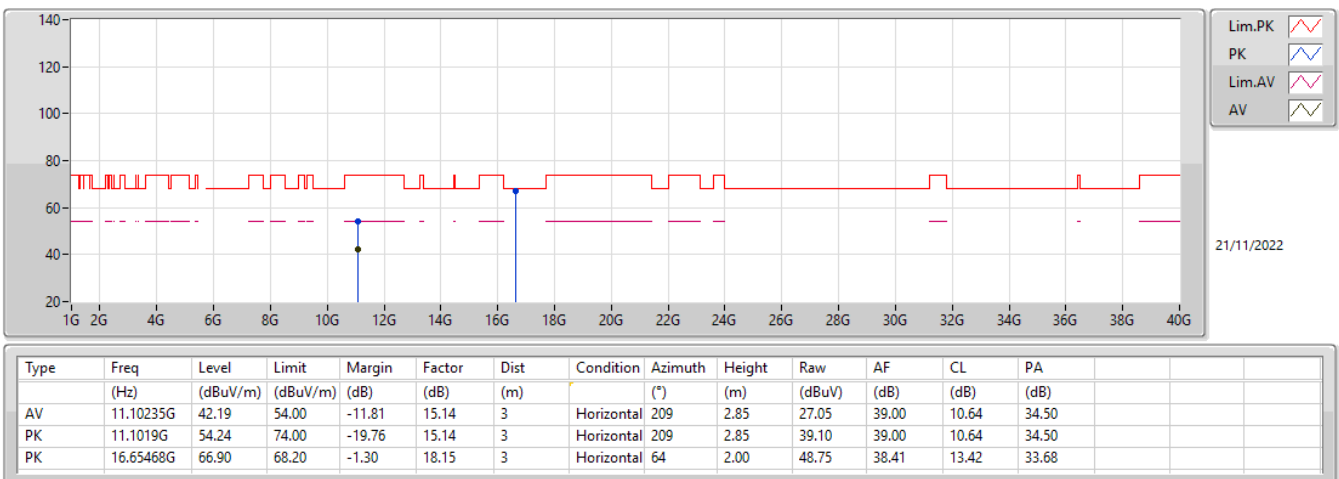
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5550MHz_TX



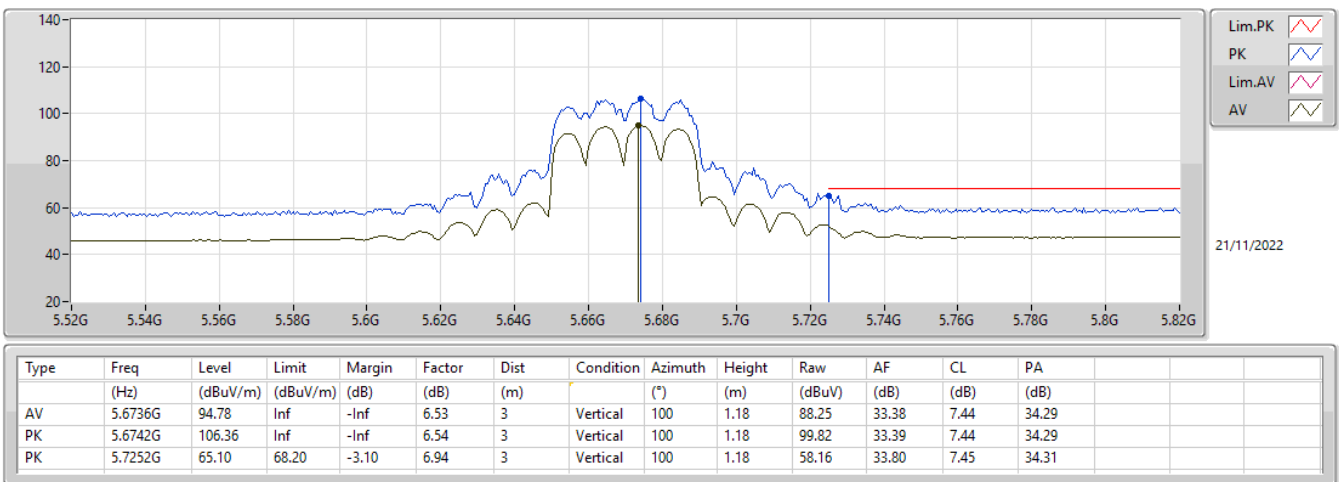
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5550MHz_TX



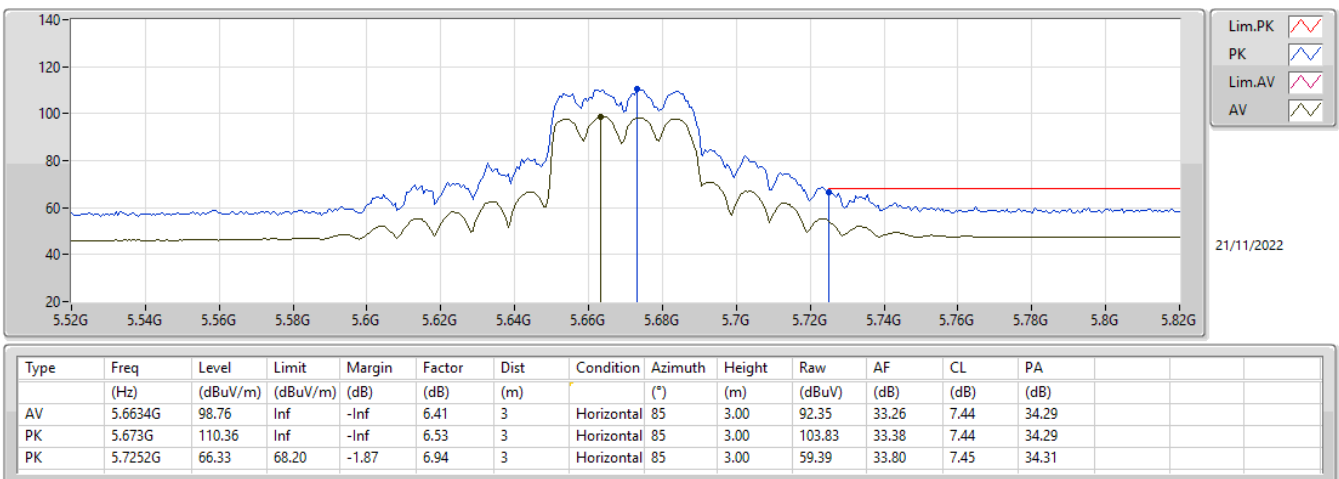
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz_TX



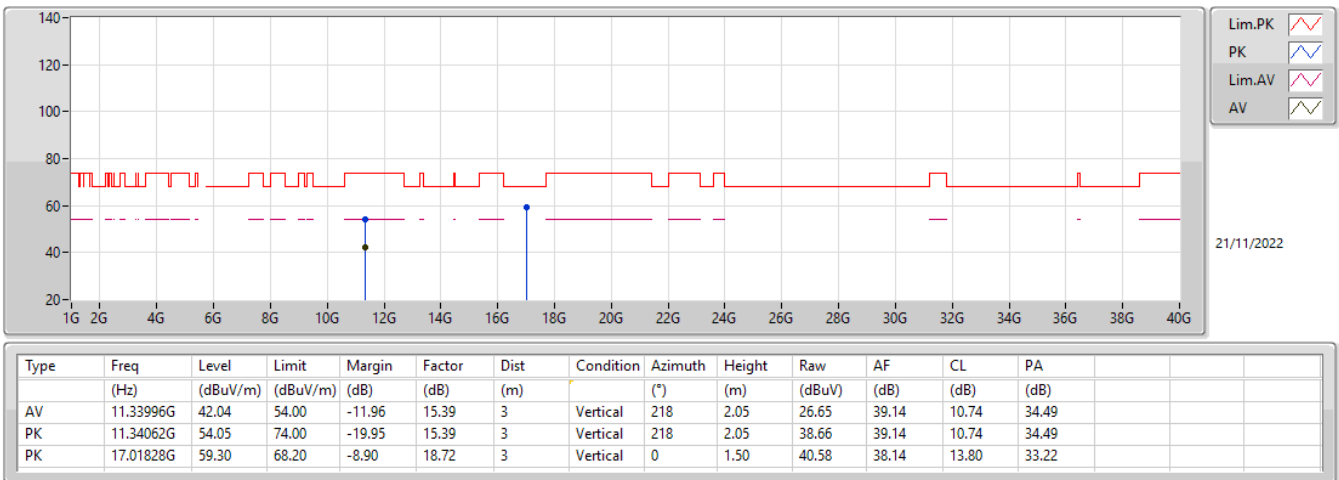
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz_TX



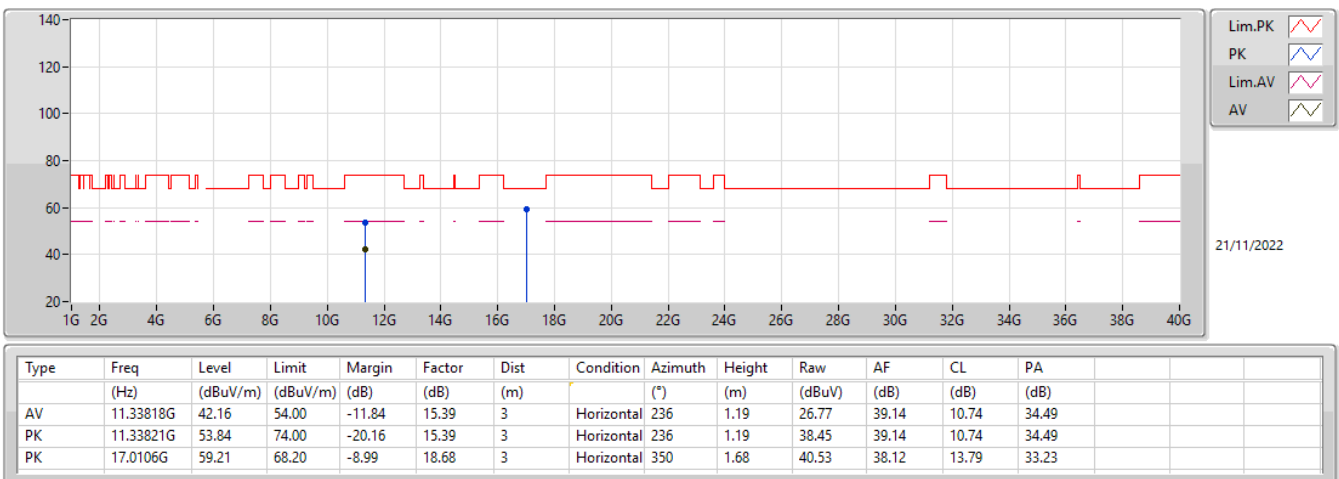
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz_TX



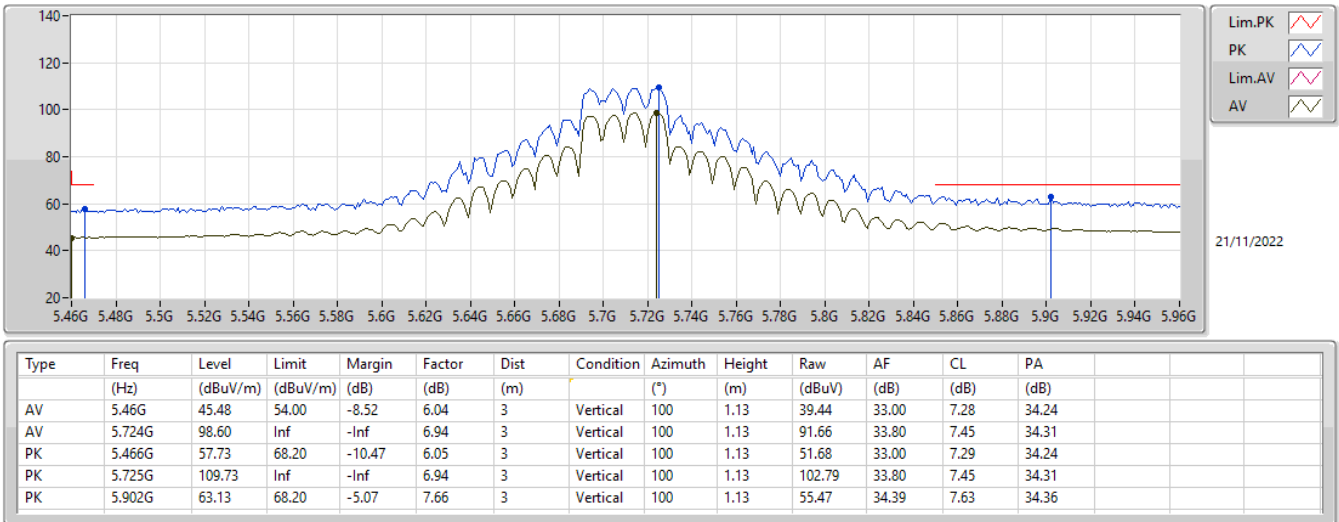
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz_TX



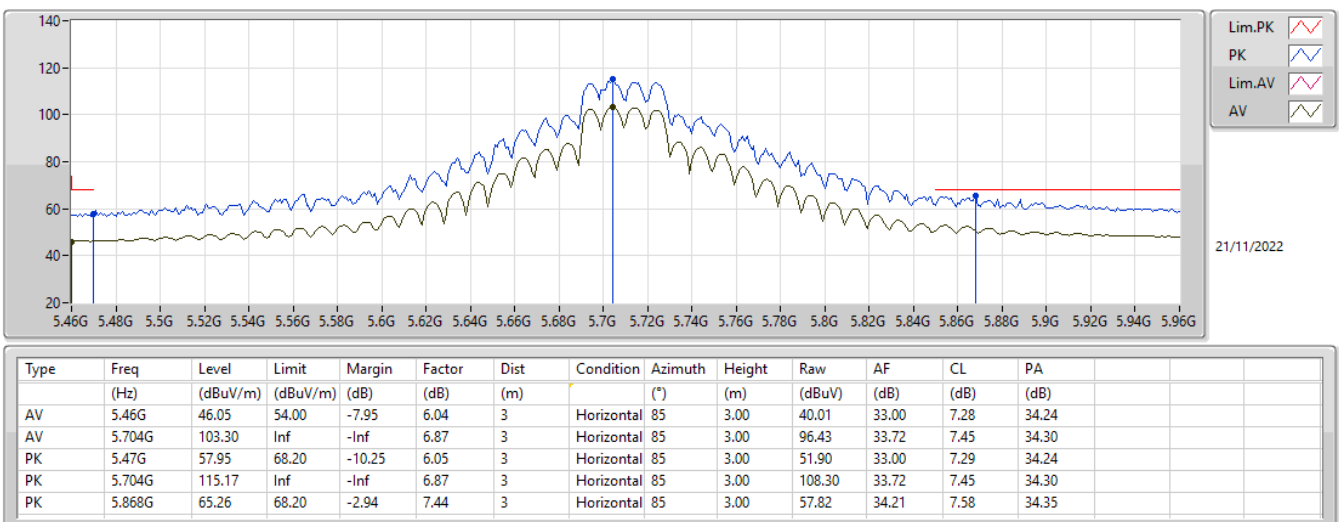
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX



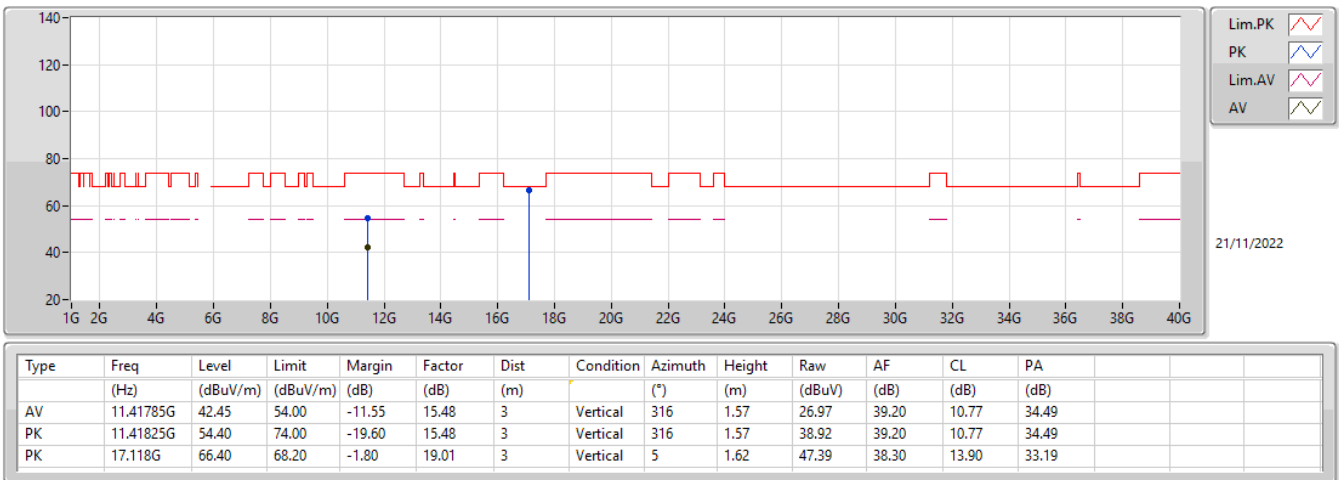
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX



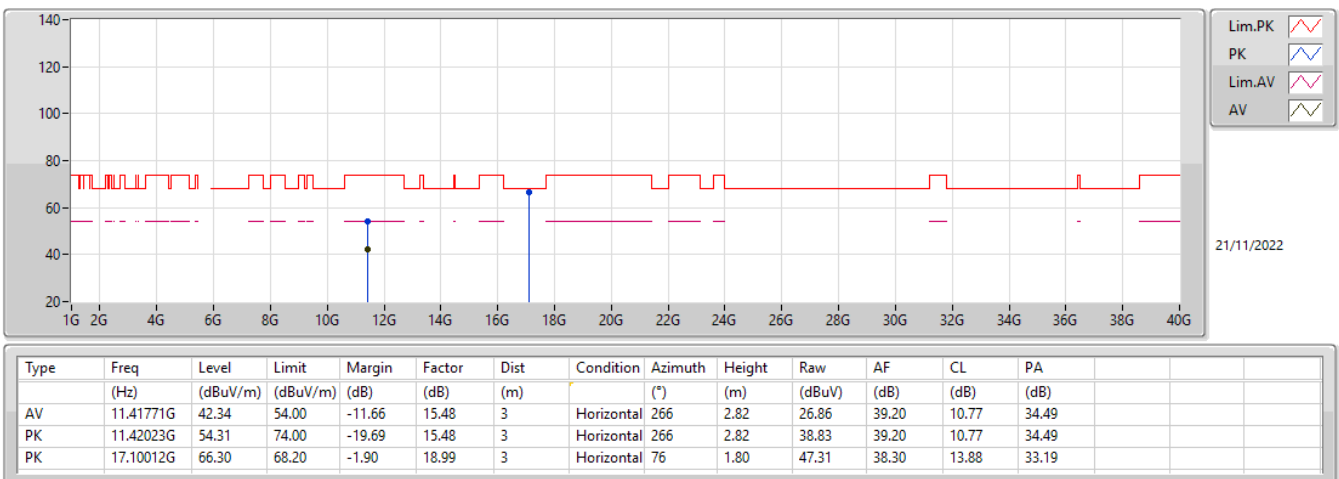
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX



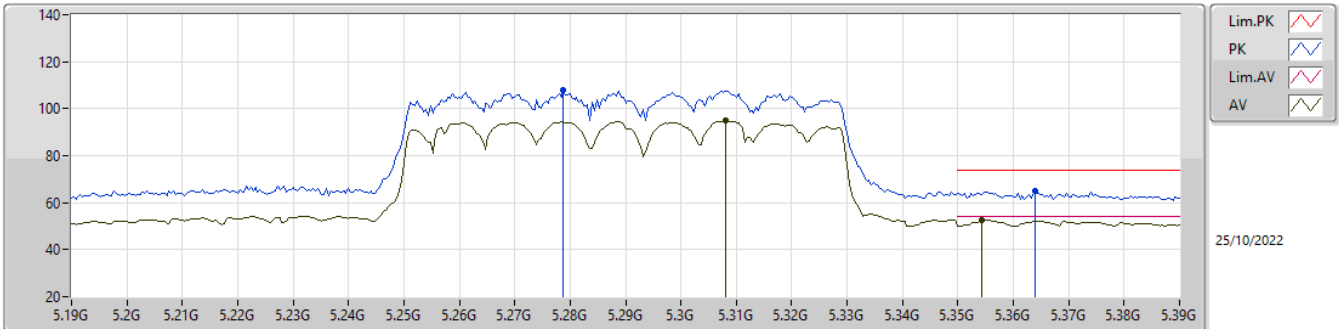
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX



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

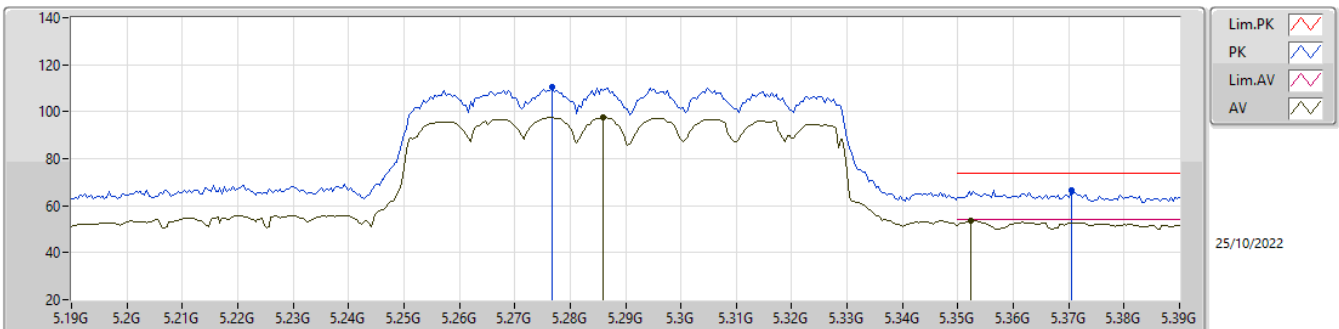
5290MHz_TX



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	5.308G	94.96	Inf	-Inf	12.88	3	Vertical	20	1.11	82.08	32.98	9.94	30.04
AV	5.3544G	52.50	54.00	-1.50	12.82	3	Vertical	20	1.11	39.68	32.90	9.97	30.05
PK	5.2788G	107.87	Inf	-Inf	12.89	3	Vertical	20	1.11	94.98	33.00	9.92	30.03
PK	5.364G	64.88	74.00	-9.12	12.82	3	Vertical	20	1.11	52.06	32.90	9.97	30.05

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

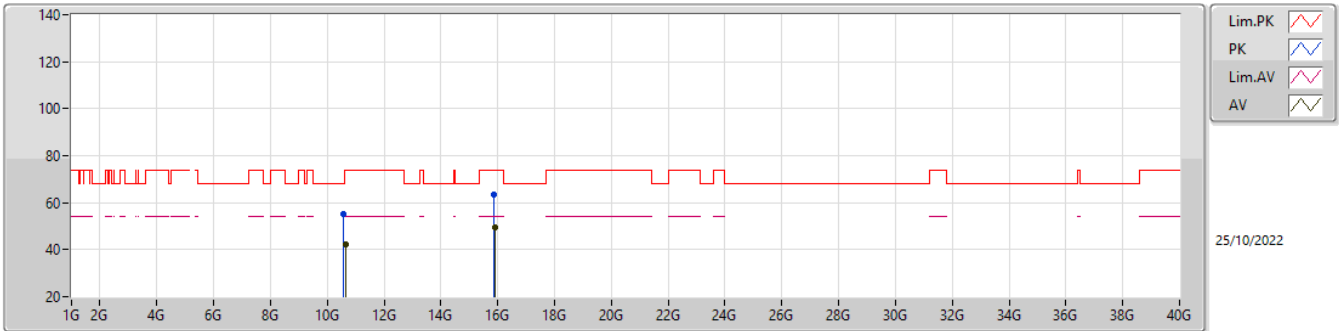
5290MHz_TX



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	5.286G	97.52	Inf	-Inf	12.89	3	Horizontal	29	2.96	84.63	33.00	9.92	30.03
AV	5.3524G	53.69	54.00	-0.31	12.82	3	Horizontal	29	2.96	40.87	32.90	9.97	30.05
PK	5.2768G	110.38	Inf	-Inf	12.88	3	Horizontal	29	2.96	97.50	33.00	9.91	30.03
PK	5.3704G	66.64	74.00	-7.36	12.82	3	Horizontal	29	2.96	53.82	32.90	9.98	30.06

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

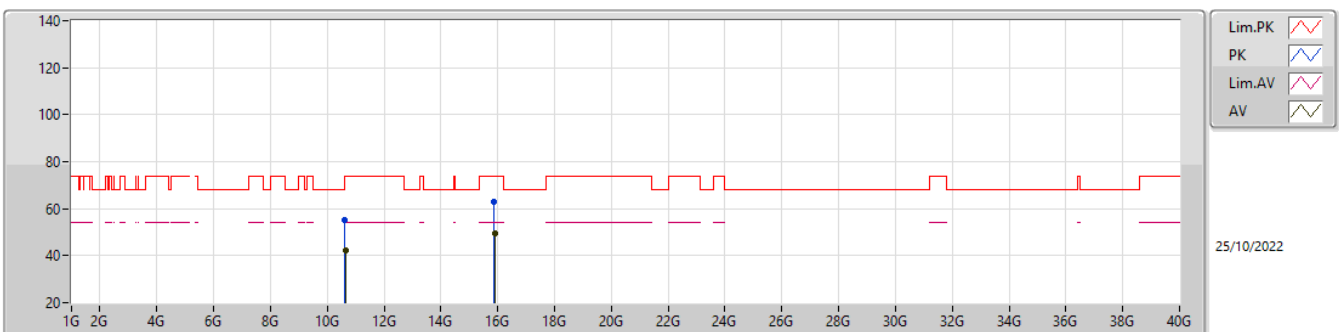
5290MHz_TX



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	10.6364G	42.46	54.00	-11.54	20.91	3	Vertical	131	1.50	21.55	39.01	12.78	30.88
AV	15.9264G	49.29	54.00	-4.71	22.51	3	Vertical	109	2.61	26.78	38.15	15.97	31.61
PK	10.55G	55.35	68.20	-12.85	20.76	3	Vertical	131	1.50	34.59	38.90	12.74	30.88
PK	15.8688G	63.23	74.00	-10.77	22.58	3	Vertical	109	2.61	40.65	38.26	15.92	31.60

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

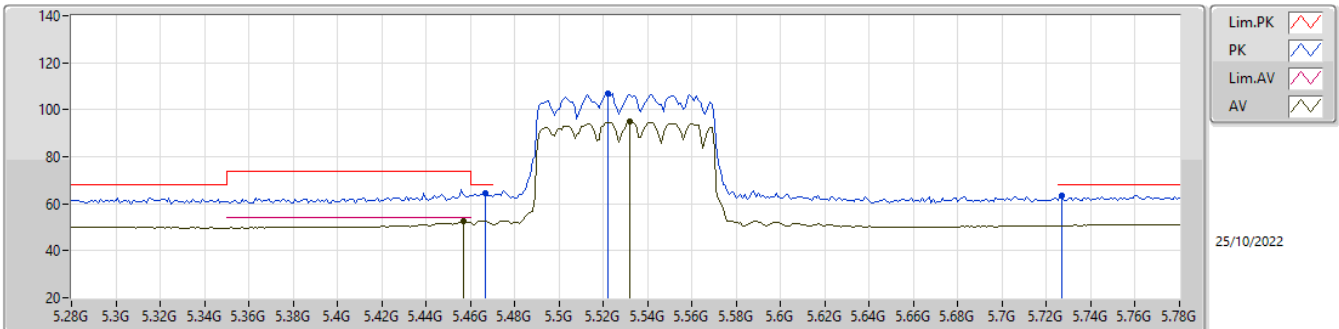
5290MHz_TX



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	10.63304G	42.43	54.00	-11.57	20.90	3	Horizontal	245	1.50	21.53	39.00	12.78	30.88
AV	15.91536G	49.40	54.00	-4.60	22.52	3	Horizontal	34	1.30	26.88	38.17	15.96	31.61
PK	10.62512G	55.00	74.00	-19.00	20.87	3	Horizontal	245	1.50	34.13	38.98	12.77	30.88
PK	15.88392G	62.84	74.00	-11.16	22.56	3	Horizontal	34	1.30	40.28	38.23	15.93	31.60

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

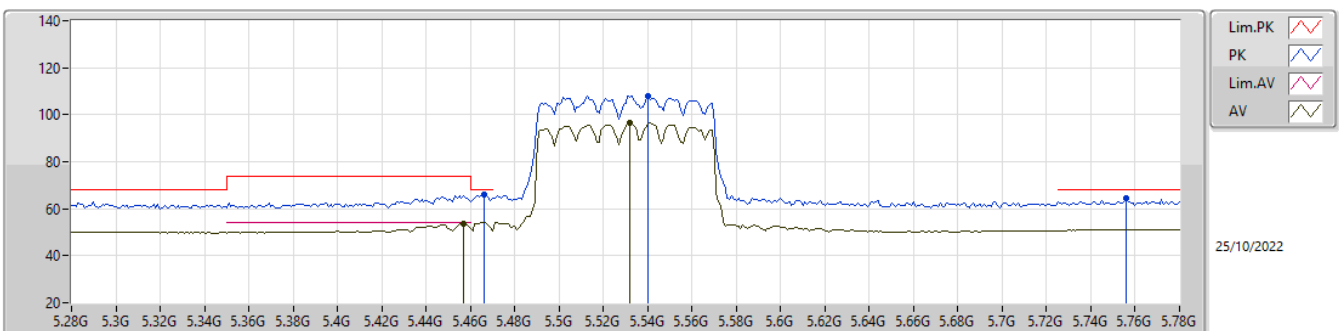
5530MHz_TX



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	5.457G	52.50	54.00	-1.50	12.84	3	Vertical	360	1.06	39.66	32.90	10.02	30.08
AV	5.532G	95.16	Inf	-Inf	12.86	3	Vertical	360	1.06	82.30	32.90	10.05	30.09
PK	5.467G	64.29	68.20	-3.91	12.84	3	Vertical	360	1.06	51.45	32.90	10.02	30.08
PK	5.522G	106.89	Inf	-Inf	12.85	3	Vertical	360	1.06	94.04	32.90	10.04	30.09
PK	5.727G	63.51	68.20	-4.69	13.75	3	Vertical	360	1.06	49.76	33.71	10.14	30.10

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

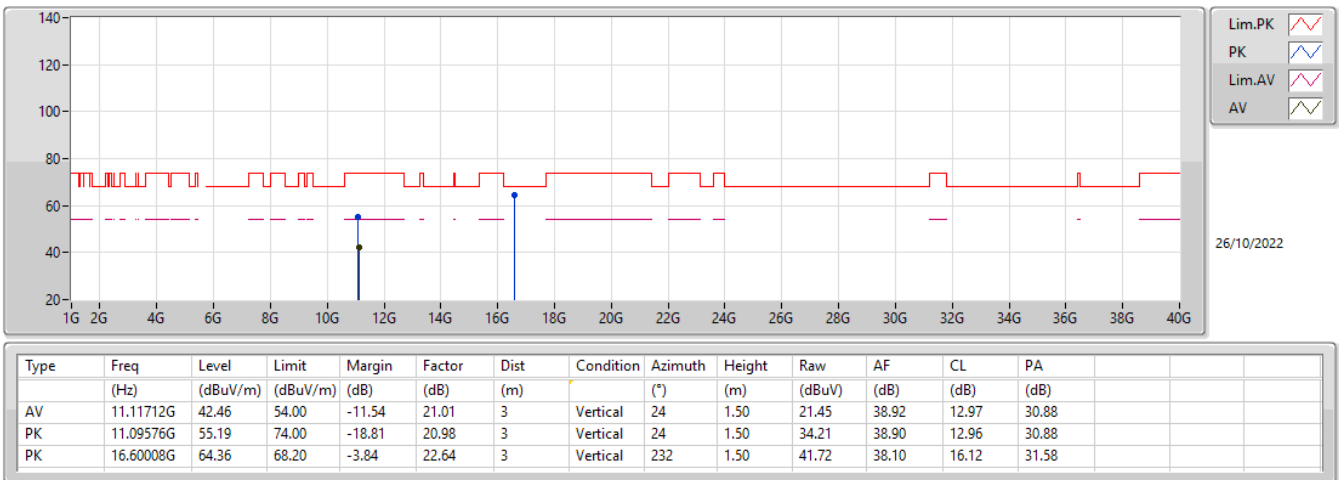
5530MHz_TX



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	5.457G	53.45	54.00	-0.55	12.84	3	Horizontal	42	2.86	40.61	32.90	10.02	30.08
AV	5.532G	96.65	Inf	-Inf	12.86	3	Horizontal	42	2.86	83.79	32.90	10.05	30.09
PK	5.466G	66.11	68.20	-2.09	12.84	3	Horizontal	42	2.86	53.27	32.90	10.02	30.08
PK	5.54G	108.17	Inf	-Inf	12.86	3	Horizontal	42	2.86	95.31	32.90	10.05	30.09
PK	5.756G	64.24	68.20	-3.96	13.90	3	Horizontal	42	2.86	50.34	33.84	10.16	30.10

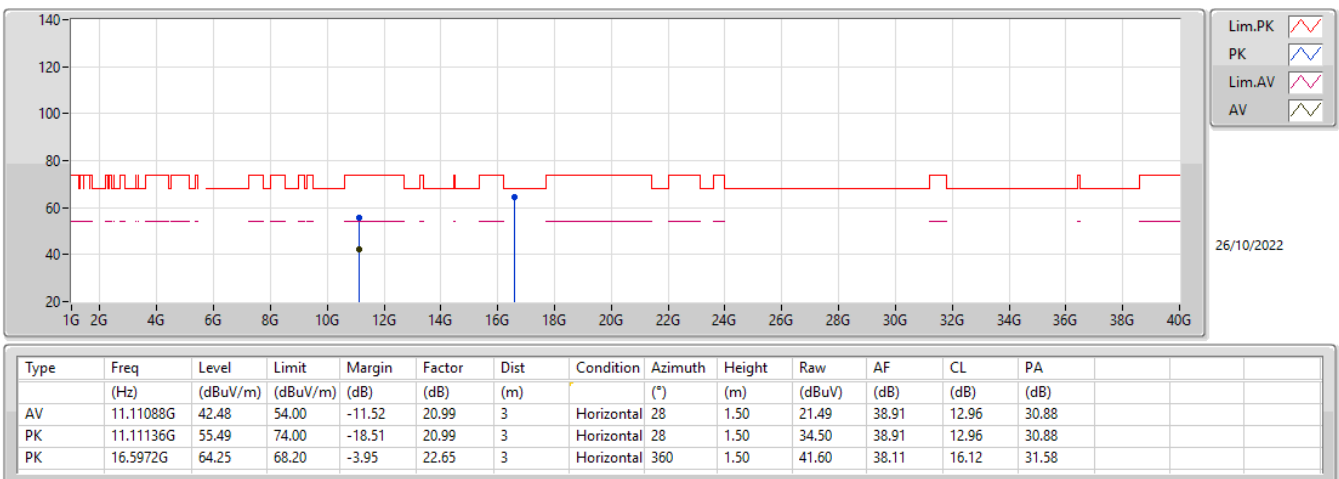
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5530MHz_TX



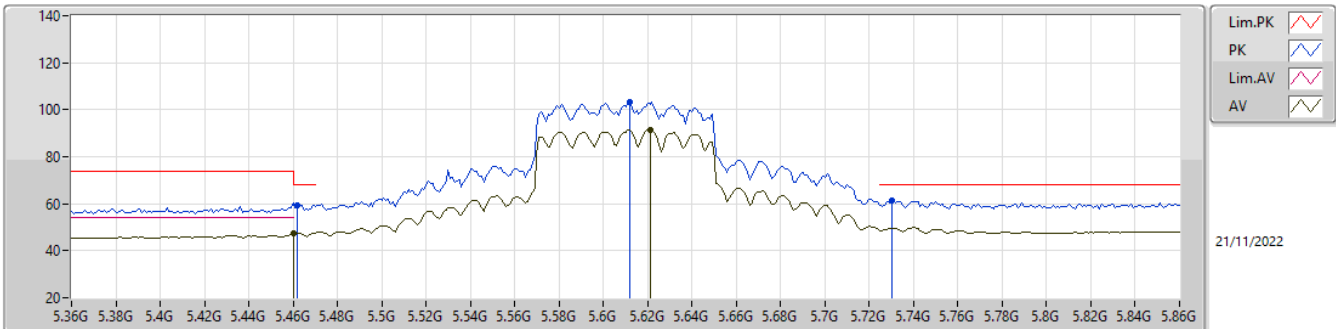
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5530MHz_TX



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

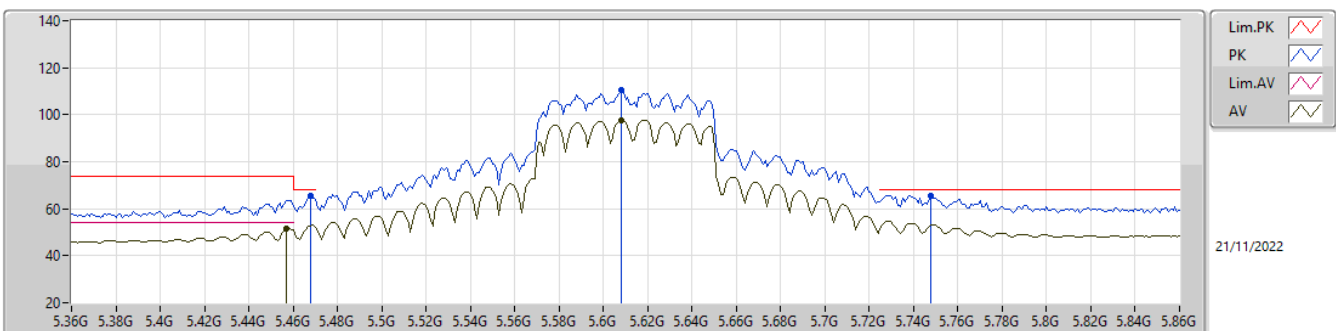
5610MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.46G	47.57	54.00	-6.43	6.04	3	Vertical	85	1.39	41.53	33.00	7.28	34.24
AV	5.621G	91.49	Inf	-Inf	6.25	3	Vertical	85	1.39	85.24	33.10	7.43	34.28
PK	5.462G	59.31	68.20	-8.89	6.04	3	Vertical	85	1.39	53.27	33.00	7.28	34.24
PK	5.612G	103.16	Inf	-Inf	6.25	3	Vertical	85	1.39	96.91	33.10	7.42	34.27
PK	5.73G	61.34	68.20	-6.86	6.96	3	Vertical	85	1.39	54.38	33.82	7.45	34.31

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

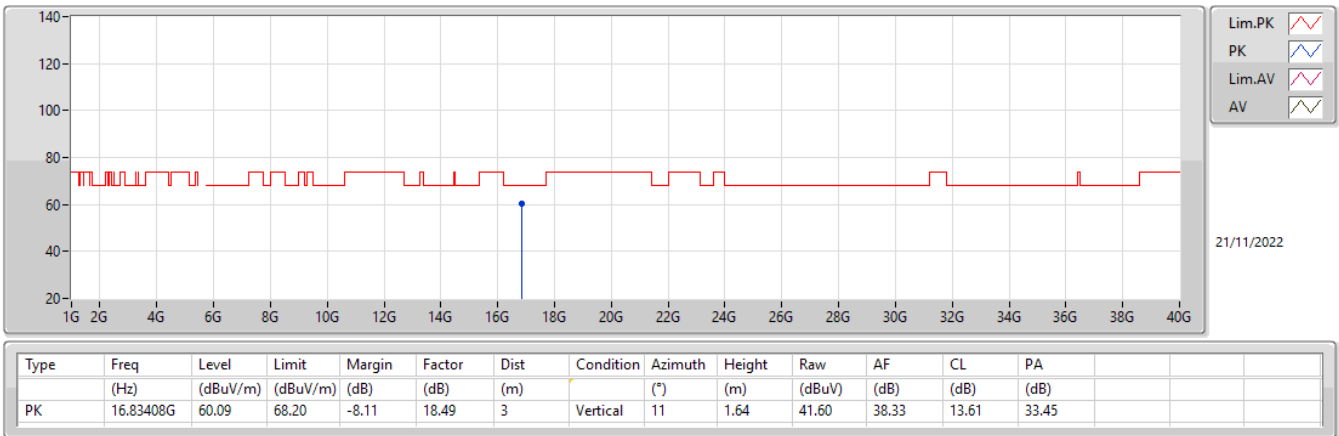
5610MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.457G	51.58	54.00	-2.42	6.04	3	Horizontal	85	2.95	45.54	33.00	7.28	34.24
AV	5.608G	97.77	Inf	-Inf	6.25	3	Horizontal	85	2.95	91.52	33.10	7.42	34.27
PK	5.468G	65.66	68.20	-2.54	6.05	3	Horizontal	85	2.95	59.61	33.00	7.29	34.24
PK	5.608G	110.69	Inf	-Inf	6.25	3	Horizontal	85	2.95	104.44	33.10	7.42	34.27
PK	5.748G	65.72	68.20	-2.48	7.04	3	Horizontal	85	2.95	58.68	33.89	7.46	34.31

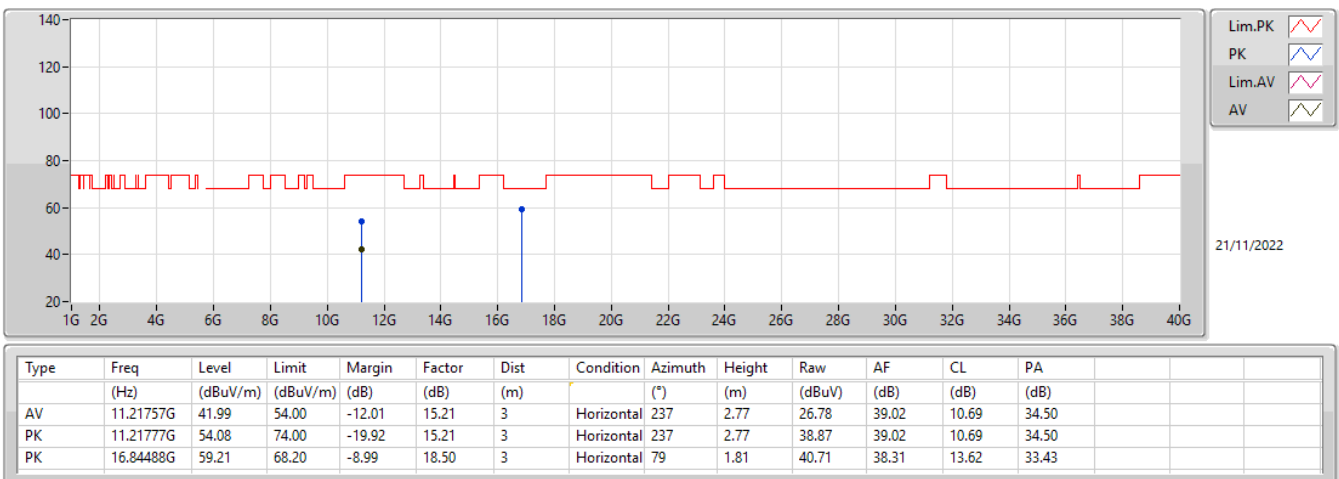
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5610MHz_TX



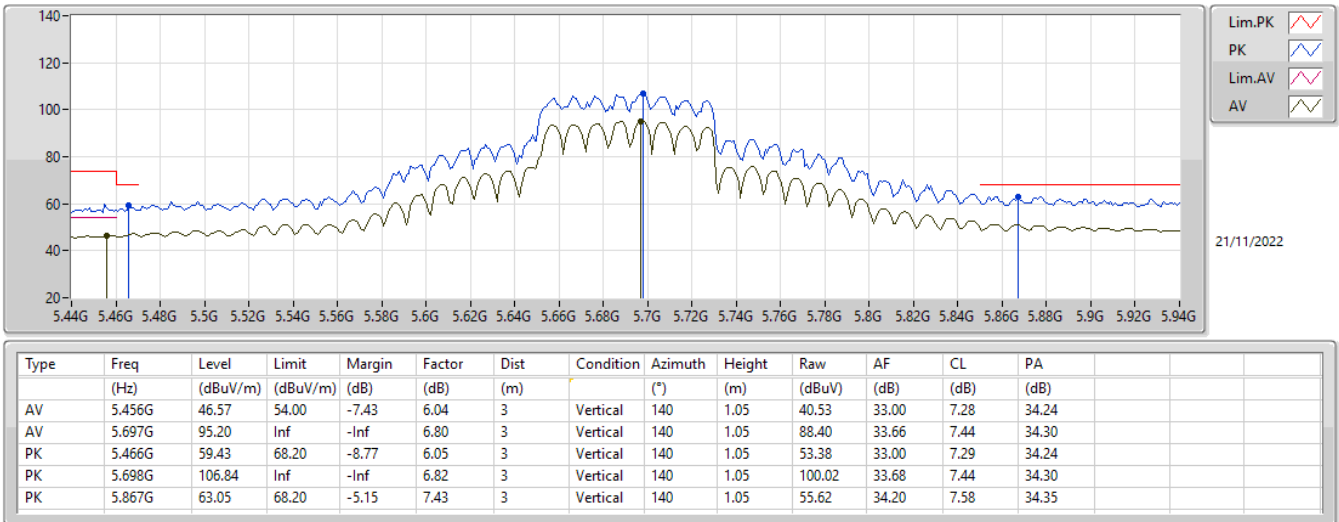
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5610MHz_TX



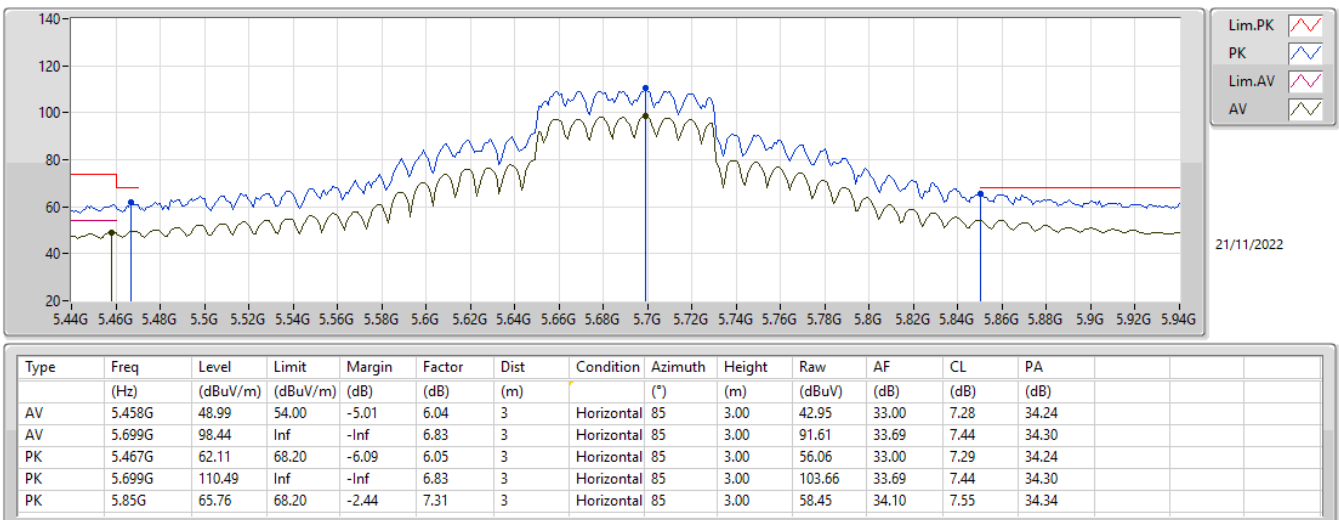
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX



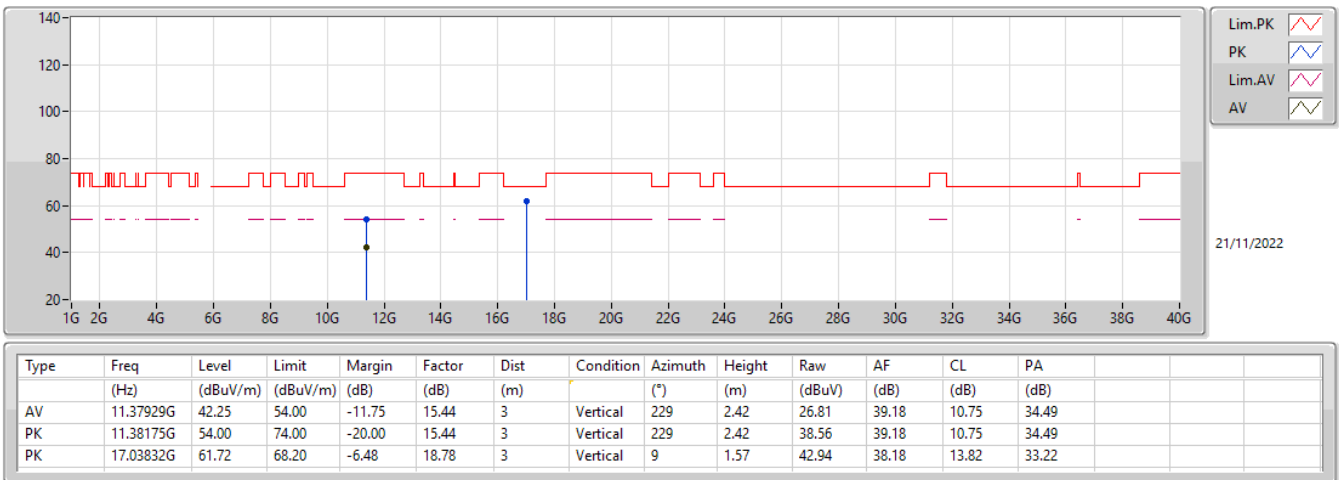
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX



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

5690MHz Straddle 5.47-5.725GHz_TX



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

5690MHz Straddle 5.47-5.725GHz_TX

