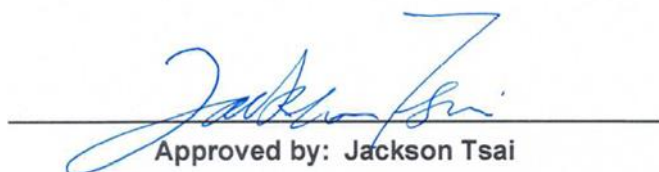


FCC Radio Test Report

FCC ID : M82-AIW-411
Equipment : Wireless MCU with Integrated Wi-Fi 6 and BLE/802.15.4 module
Brand Name : ADVANTECH
Model Name : AIW-4110X-GI1
Applicant : Advantech Co Ltd
No. 1, Alley 20, Lane 26, Rueiguang Road Neihu District, Taipei,
114 Taiwan
Manufacturer : Advantech Co., Ltd.
No. 1, Alley 20, Lane 26, Rueiguang Road Neihu District, Taipei,
114 Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Feb. 04, 2026, and testing was started from Feb. 04, 2026 and completed on Apr. 15, 2026. 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 C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 and shown compliance with the applicable technical standards.

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


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	7
1.3 Testing Location Information	7
1.4 Measurement Uncertainty	7
2 TEST CONFIGURATION OF EUT.....	8
2.1 Test Channel Mode	8
2.2 The Worst Case Measurement Configuration.....	9
2.3 Support Equipment.....	10
2.4 Test Setup Diagram	11
3 TRANSMITTER TEST RESULT	12
3.1 AC Power-line Conducted Emissions	12
3.2 Emission Bandwidth	14
3.3 Maximum Conducted Output Power	15
3.4 Peak Power Spectral Density.....	17
3.5 Unwanted Emissions.....	19
4 TEST EQUIPMENT AND CALIBRATION DATA.....	23
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULTS OF EMISSION BANDWIDTH	
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX D. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY	
APPENDIX E. TEST RESULTS OF UNWANTED EMISSIONS	
APPENDIX F. TEST RESULTS OF RADIATED EMISSION CO-LOCATION	
APPENDIX G. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	

[illegible]

Summary of Test Result

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

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Daniel Hsu

Report Producer: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
5725-5850		5745-5825	149-165 [5]

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11a	20	1TX
5.25-5.35GHz	802.11a	20	1TX
5.47-5.725GHz	802.11a	20	1TX
5.725-5.85GHz	802.11a	20	1TX
5.15-5.25GHz	802.11ax HEW20	20	1TX
5.25-5.35GHz	802.11ax HEW20	20	1TX
5.47-5.725GHz	802.11ax HEW20	20	1TX
5.725-5.85GHz	802.11ax HEW20	20	1TX

Note:

- 11a, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.
- Evaluated HEW20 mode only due to the similar modulation. The power setting of HT20/VHT20 mode are the same or lower than HEW20.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support
1	1	Advantech	RFA-25-KP108-C191	PIFA	I-Pex	2.4G+5G+BT+IEEE 802.15.4

Ant.	Port	Gain (dBi)			
		2.4G	5G	BT	802.15.4
1	1	3.39	4.97	3.39	3.39

Note 1: The EUT has one antenna.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax mode (1TX/1RX)

Ant. 1(port 1) could transmit/receive.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (1TX/1RX)



Ant. 1(port 1) could transmit/receive.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 1(port 1) could transmit/receive.

For 802.15.4 function:

For IEEE 802.15.4 mode (1TX/1RX)

Ant. 1(port 1) could transmit/receive.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From Fixture			
EUT Function	☐	Outdoor AP	☐	Indoor AP
	☐	Fixed P2P AP	☒	Client
Beamforming Function	☐	With beamforming	☒	Without beamforming
TPC Function	☒	With TPC Function	☐	Without TPC Function
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Resource Unit	☒	Full RU	☐	Partial RU
	☐	Multi-RU		
Channel Puncturing	☐	Support	☒	Not support
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

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss1,(6Mbps)_1TX	0.99	0.04	1.437m	10Hz (DC>=0.98)
802.11ax HEW20_Nss1,(MCS0)_1TX	0.987	0.06	1.05m	10Hz (DC>=0.98)

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

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024
- ♦ KDB 789033 D02 v02r01

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

- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Daniel Lin	18.2~20.5°C / 58~62%	26/Mar/2026
RF Conducted	TH07-HY	Peng Huang	23.4~23.9°C / 52~55%	24/Mar/2026~25/Mar/2026
Radiated	03CH03-HY	Simon Cheng	22.2~23.4°C / 50~52%	04/Feb/2026~19/Mar/2026
Radiated (Co-location)	03CH02-HY	Daniel Lin	23.5~24.5°C / 50~54%	15/Apr/2026
☐ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	3.24 dB	Confidence levels of 95%
Conducted Output Power	1.12 dB	Confidence levels of 95%
Bandwidth	0.07 MHz	Confidence levels of 95%
Conducted Emission	1.12 dB	Confidence levels of 95%
Power Spectral Density	1.22 dB	Confidence levels of 95%
Radiated Emission (9 kHz ~ 30 MHz)	1.76 dB	Confidence levels of 95%
Radiated Emission (30 MHz ~ 1 GHz)	5.38 dB	Confidence levels of 95%
Radiated Emission (1 GHz ~ 18 GHz)	4.94 dB	Confidence levels of 95%
Radiated Emission (18 GHz ~ 40 GHz)	4.92 dB	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Dut labtool v2.0.0.35
-----------------------	-----------------------

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	21.5
5200MHz	23
5240MHz	23
5260MHz	23
5300MHz	23
5320MHz	23
5500MHz	18
5580MHz	23
5700MHz	23
5745MHz	23
5785MHz	23
5825MHz	23
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5180MHz	20.5
5200MHz	23
5240MHz	23
5260MHz	23
5300MHz	23
5320MHz	23
5500MHz	18.5
5580MHz	23
5700MHz	22.5
5745MHz	23
5785MHz	23
5825MHz	23

2.2 The Worst Case Measurement Configuration

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

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated measurement
Operating Mode	CTX
1	WLAN 5GHz + Bluetooth
2	WLAN 5GHz + 802.15.4
Refer to Sporton Test Report No.: FA612902 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	



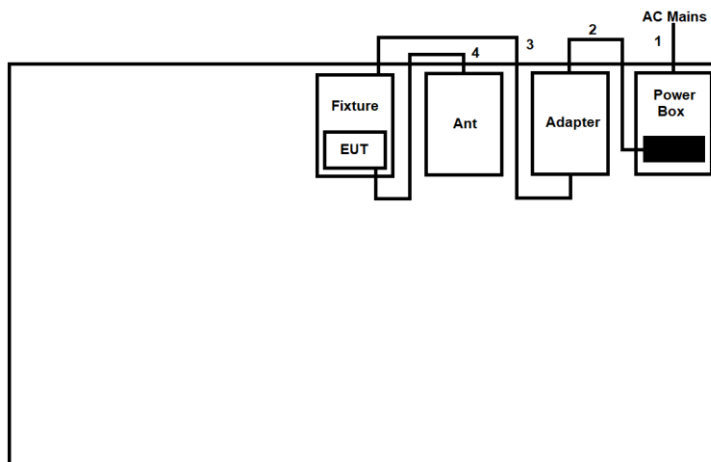
2.3 Support Equipment

Support Equipment – AC Conduction and Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	Delta	ADP-90RE B	-	Provided by Customer
2	Power Cord	N/A	N/A	-	Provided by Customer
3	Fixture	ADVANTECH	AIW-DK411-GI	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Fixture	ADVANTECH	AIW-DK411-GI	-	-

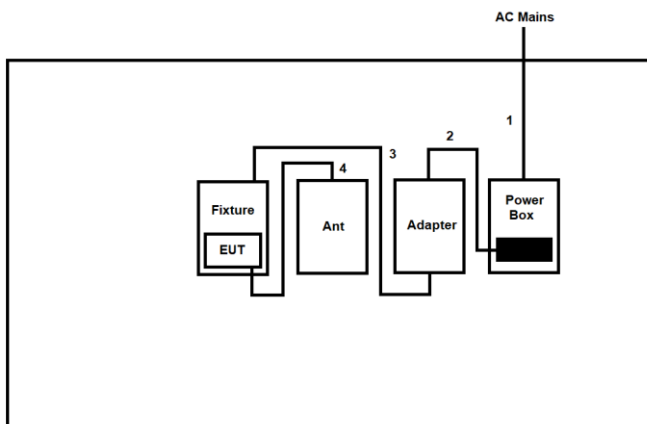
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.0	-
2	AC Power Cable	No	1.0	-
3	DC Power Cable	No	1.5	-
4	Ant cable	No	0.5	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	AC Power Cable	No	1.0	-
3	DC Power Cable	No	1.5	-
4	Ant cable	No	0.5	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

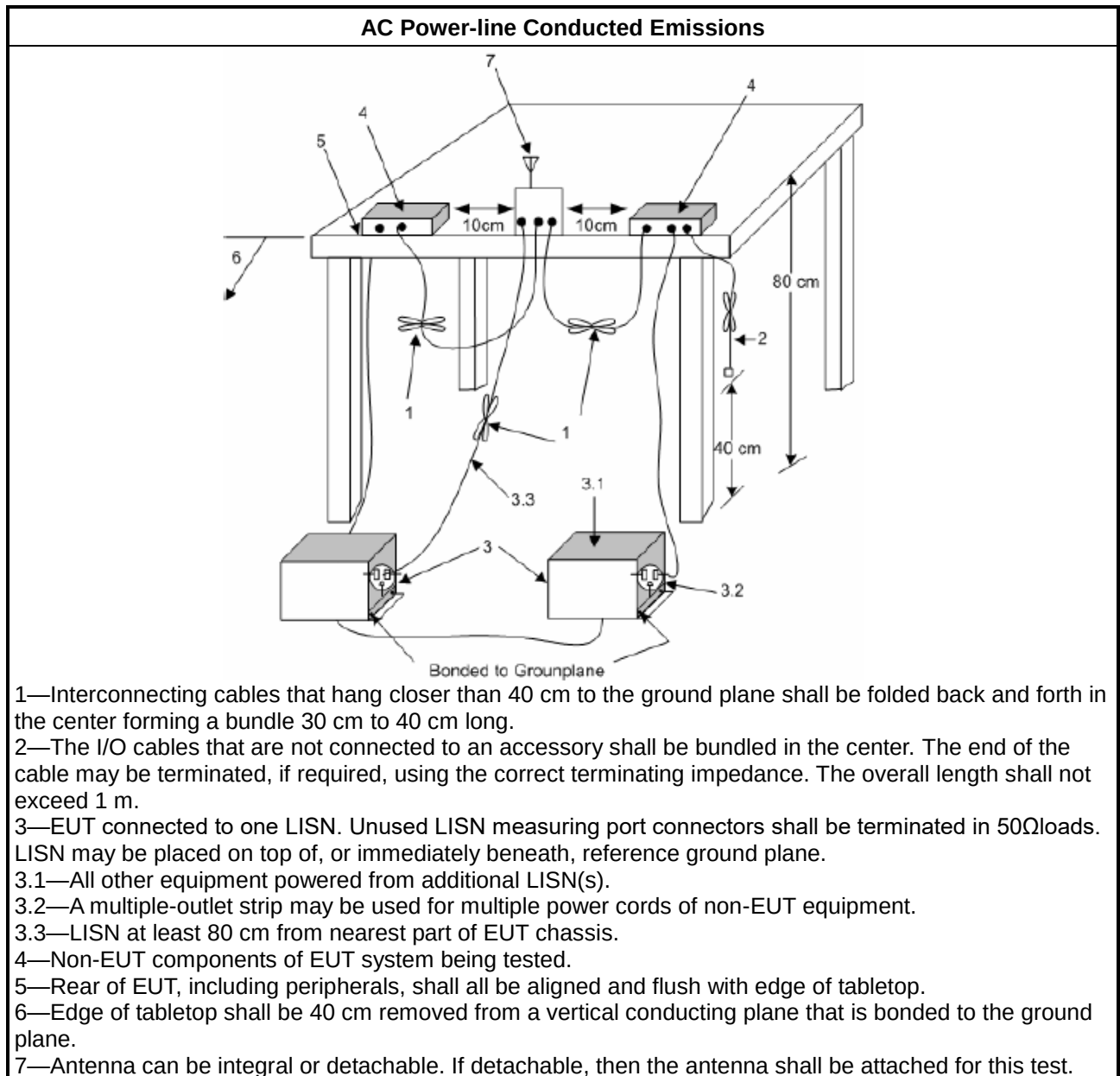
Test Method
☒ Refer as ANSI C63.10, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, N/A
☒	For the 5.47-5.725 GHz band, N/A
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

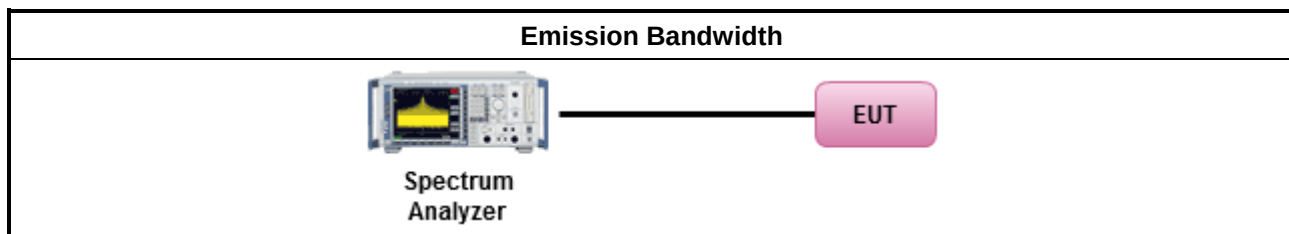
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

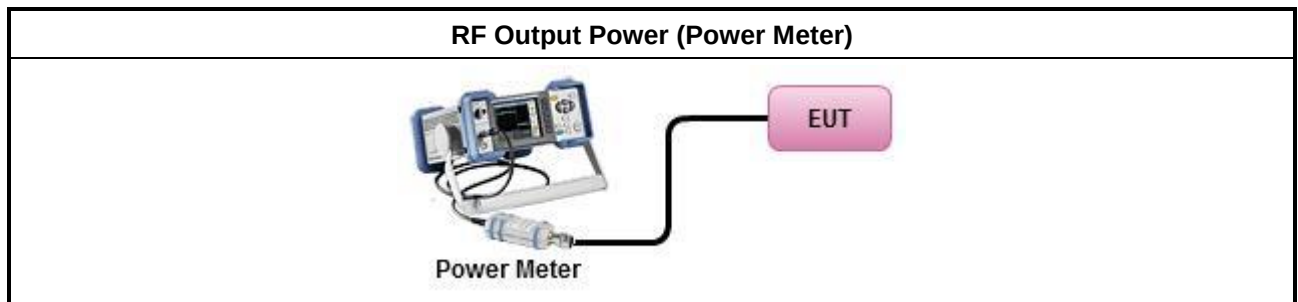
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

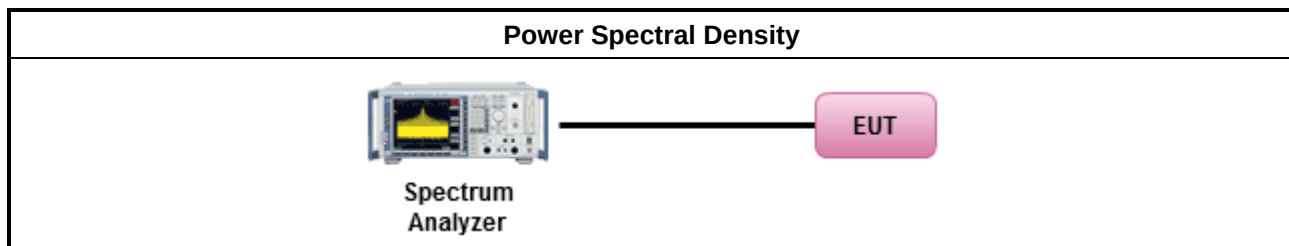
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as KDB 789033, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
Duty cycle ≥ 98%	
☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
Duty cycle < 98%	
☐ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

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

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

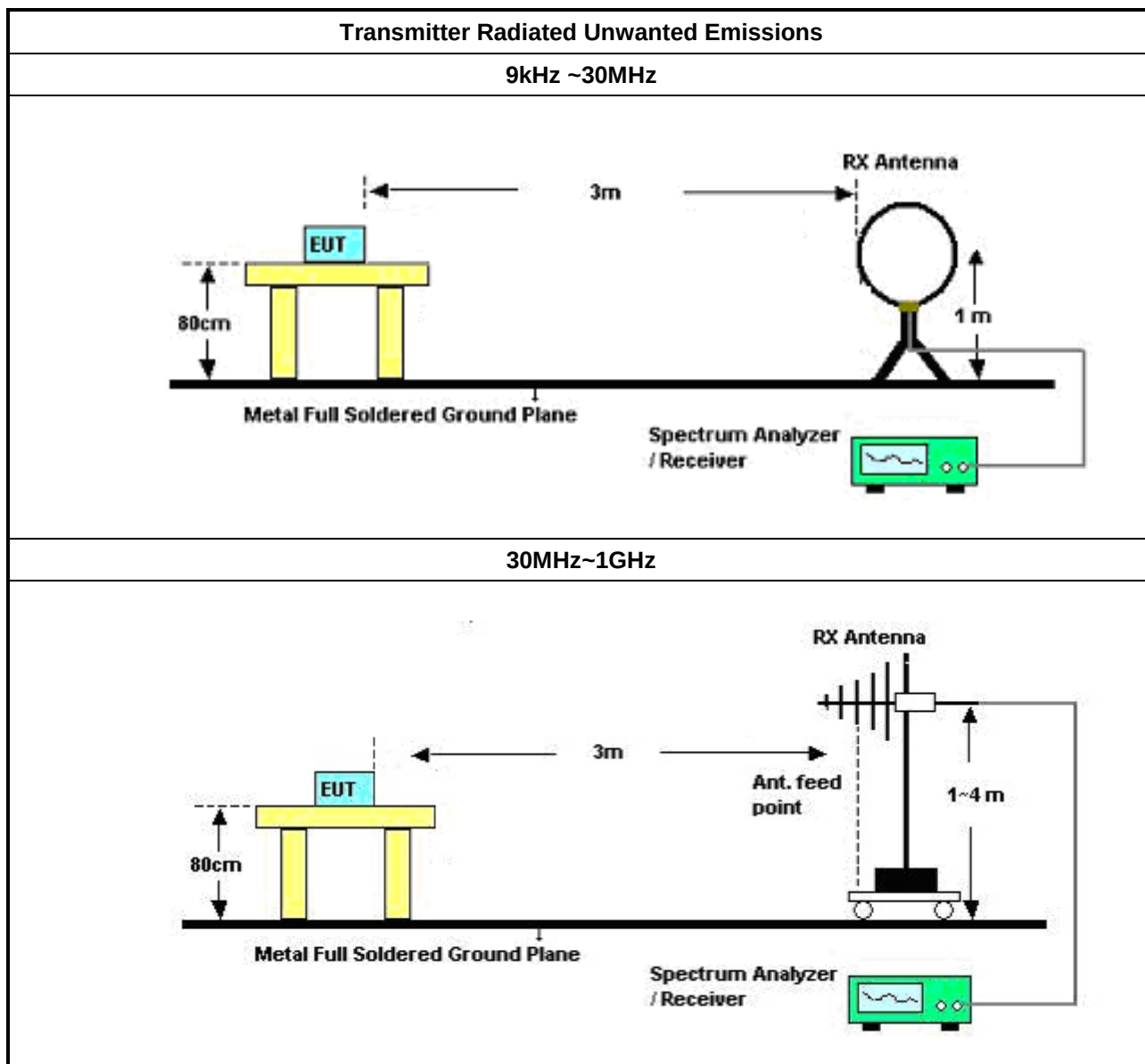
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.5.2.3), Reduced VBW.
	☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.5.2.2), measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

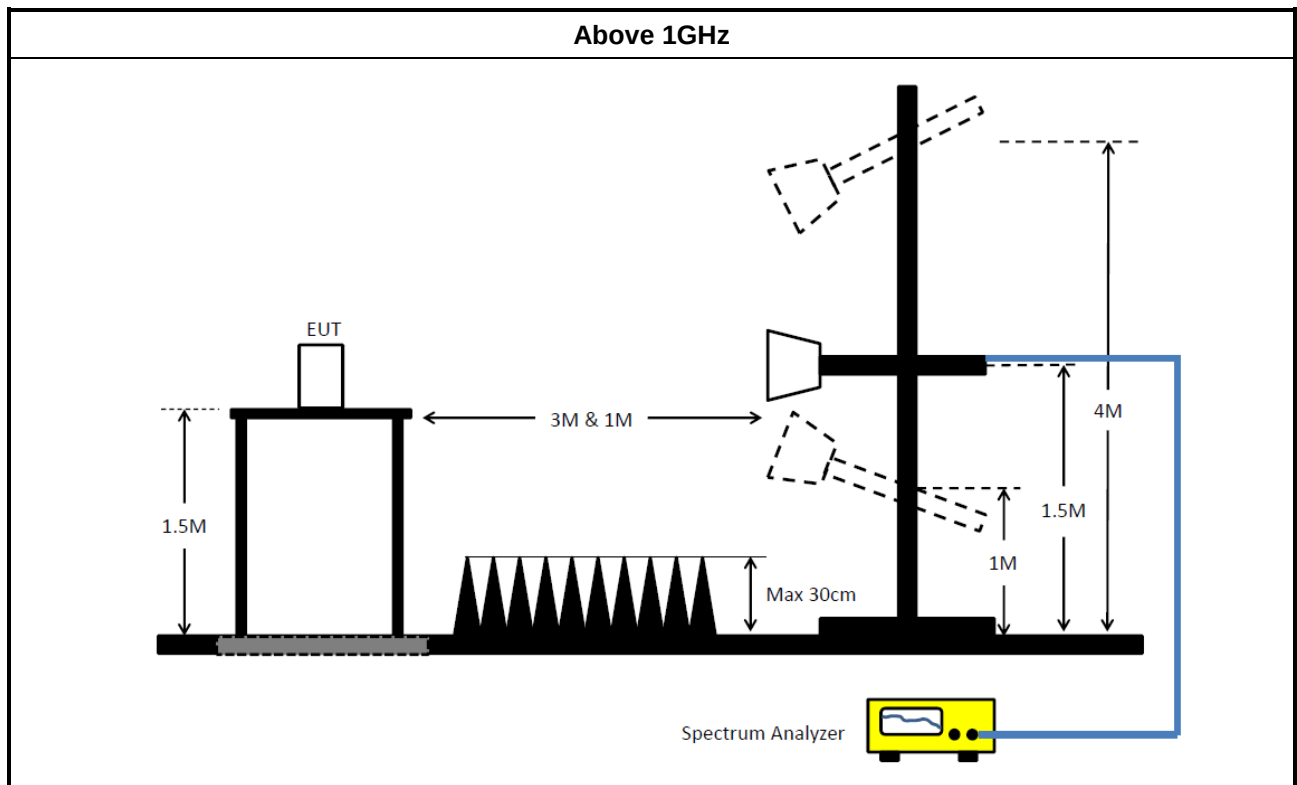
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.5 Test Setup





3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	21/May/2025	20/May/2026
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	101578	9kHz ~ 30MHz	24/Aug/2025	23/Aug/2026
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9kHz~200MHz	25/Feb/2026	24/Feb/2027
Pulse Limiter	SCHWARZBECK	VTSD 9561F-N	1056	9kHz ~ 30MHz	25/Jun/2025	24/Jun/2026
Software	Sporton	SENSE-EMI	V5.11.6	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	05/Jan/2026	04/Jan/2027
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	29/Oct/2025	28/Oct/2026
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	17/Dec/2025	16/Dec/2026
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2025	16/Dec/2026
SENSE-15407_NII	Sporton	V5.11.28a	N/A	N/A	02/Nov/2025	02/Nov/2028

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Site V.S.W.R	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3M	12/Jul/2025	11/Jul/2026
Signal Analyzer	ROHDE&SCHWARZ	FSV40	101500	10Hz~40GHz	12/Nov/2025	11/Nov/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	03/Oct/2025	02/Oct/2026
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	02/Jul/2025	01/Jul/2026
RF Cable HUBER+SUHNER	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-06	1GHz~40GHz	15/Aug/2025	14/Aug/2026
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	30/Sep/2025	29/Sep/2026
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	26/Apr/2025	25/Apr/2026
SENSE-EMI	Sporton	V5.11.9	N/A	N/A	N/A	N/A

Instrument for Radiated Test

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	13/Jul/2025	12/Jul/2026
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	13/Jul/2025	12/Jul/2026
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	14/May/2025	13/May/2026
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101748	10Hz~44GHz	10/Apr/2025	09/Apr/2026
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMC	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	11/Oct/2025	10/Oct/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz~18GHz	28/Oct/2025	27/Oct/2026
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	02/Jul/2025	01/Jul/2026
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	10/Jun/2025	09/Jun/2026
RF Cable-R03m	Jye Bao	RG142	03CH03-cable-02	30MHz~1GHz	10/Jun/2025	09/Jun/2026
RF CABLE 5+8m	HUBER+SUHNER	SUOFLEX_104	03CH03-cable-03	1GHz~40GHz	19/May/2025	18/May/2026
Amplifier	Agilent	8447D	2944A08033	100kHz~1.3GHz	12/Sep/2025	11/Sep/2026
Microwave Premplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	23/Jul/2025	22/Jul/2026
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	26/Apr/2025	25/Apr/2026
SENSE-15407_NII	Sporton	V5.11.27	NA	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

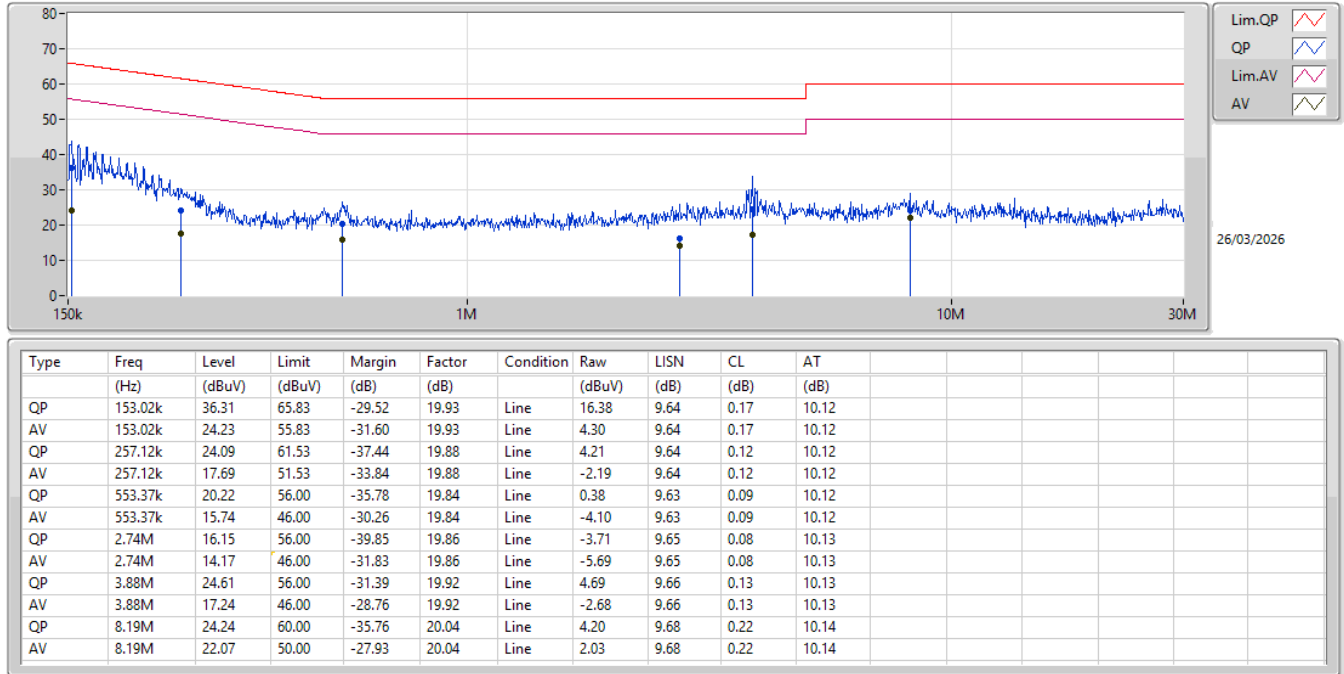
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	8.19M	22.07	50.00	-27.93	Line

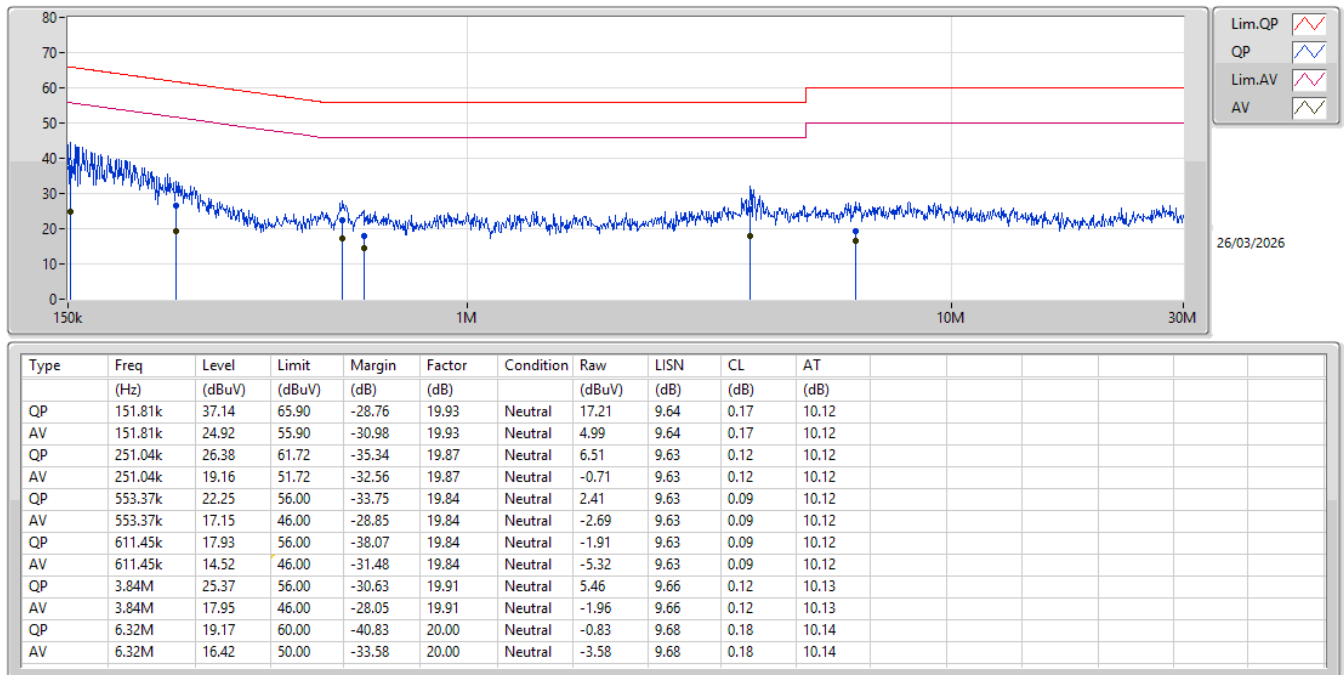
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	153.02k	36.31	65.83	-29.52	Line
Mode 1	Pass	AV	153.02k	24.23	55.83	-31.60	Line
Mode 1	Pass	QP	257.12k	24.09	61.53	-37.44	Line
Mode 1	Pass	AV	257.12k	17.69	51.53	-33.84	Line
Mode 1	Pass	QP	553.37k	20.22	56.00	-35.78	Line
Mode 1	Pass	AV	553.37k	15.74	46.00	-30.26	Line
Mode 1	Pass	QP	2.74M	16.15	56.00	-39.85	Line
Mode 1	Pass	AV	2.74M	14.17	46.00	-31.83	Line
Mode 1	Pass	QP	3.88M	24.61	56.00	-31.39	Line
Mode 1	Pass	AV	3.88M	17.24	46.00	-28.76	Line
Mode 1	Pass	QP	8.19M	24.24	60.00	-35.76	Line
Mode 1	Pass	AV	8.19M	22.07	50.00	-27.93	Line
Mode 1	Pass	QP	151.81k	37.14	65.90	-28.76	Neutral
Mode 1	Pass	AV	151.81k	24.92	55.90	-30.98	Neutral
Mode 1	Pass	QP	251.04k	26.38	61.72	-35.34	Neutral
Mode 1	Pass	AV	251.04k	19.16	51.72	-32.56	Neutral
Mode 1	Pass	QP	553.37k	22.25	56.00	-33.75	Neutral
Mode 1	Pass	AV	553.37k	17.15	46.00	-28.85	Neutral
Mode 1	Pass	QP	611.45k	17.93	56.00	-38.07	Neutral
Mode 1	Pass	AV	611.45k	14.52	46.00	-31.48	Neutral
Mode 1	Pass	QP	3.84M	25.37	56.00	-30.63	Neutral
Mode 1	Pass	AV	3.84M	17.95	46.00	-28.05	Neutral
Mode 1	Pass	QP	6.32M	19.17	60.00	-40.83	Neutral
Mode 1	Pass	AV	6.32M	16.42	50.00	-33.58	Neutral

Conducted Emissions at Powerline_Mode 1



Conducted Emissions at Powerline_Mode 1



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	33.33M	17.041M	17MOD1D	19.965M	16.657M
802.11ax HEW20_Nss1,(MCS0)_1TX	38.775M	19.02M	19MOD1D	20.295M	18.801M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.45M	16.877M	16M9D1D	19.525M	16.712M
802.11ax HEW20_Nss1,(MCS0)_1TX	20.35M	18.911M	18M9D1D	20.13M	18.801M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	20.13M	16.767M	16M8D1D	19.635M	16.712M
802.11ax HEW20_Nss1,(MCS0)_1TX	20.46M	18.856M	18M9D1D	20.185M	18.746M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.5M	16.822M	16M8D1D	16.335M	16.767M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.81M	18.856M	18M9D1D	16.94M	18.746M

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

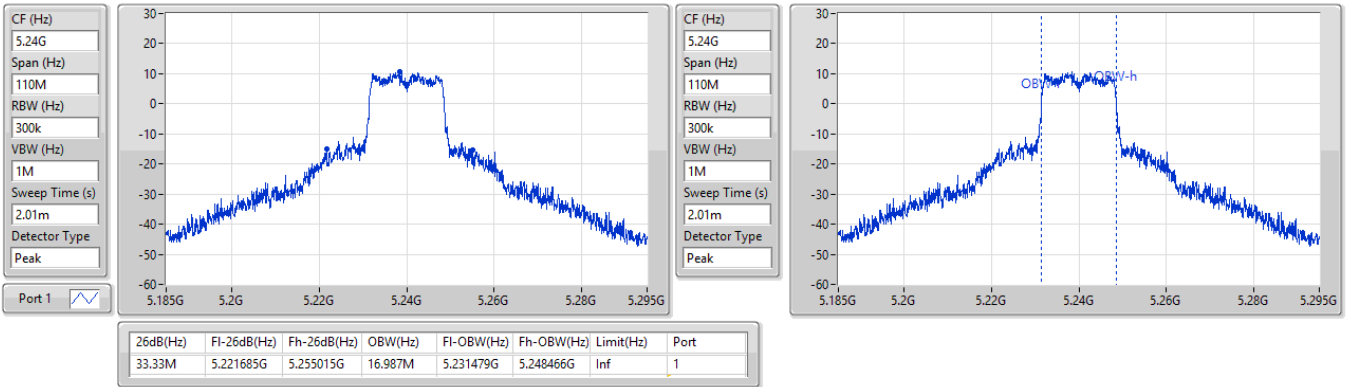
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	19.965M	16.657M
5200MHz	Pass	Inf	22.33M	17.041M
5240MHz	Pass	Inf	33.33M	16.987M
5260MHz	Pass	Inf	19.525M	16.712M
5300MHz	Pass	Inf	19.745M	16.877M
5320MHz	Pass	Inf	21.45M	16.822M
5500MHz	Pass	Inf	20.13M	16.712M
5580MHz	Pass	Inf	19.635M	16.712M
5700MHz	Pass	Inf	19.8M	16.767M
5745MHz	Pass	500k	16.335M	16.822M
5785MHz	Pass	500k	16.5M	16.767M
5825MHz	Pass	500k	16.445M	16.822M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	20.295M	18.801M
5200MHz	Pass	Inf	22.165M	18.801M
5240MHz	Pass	Inf	38.775M	19.02M
5260MHz	Pass	Inf	20.295M	18.856M
5300MHz	Pass	Inf	20.13M	18.801M
5320MHz	Pass	Inf	20.35M	18.911M
5500MHz	Pass	Inf	20.185M	18.746M
5580MHz	Pass	Inf	20.46M	18.856M
5700MHz	Pass	Inf	20.24M	18.856M
5745MHz	Pass	500k	16.94M	18.801M
5785MHz	Pass	500k	17.105M	18.746M
5825MHz	Pass	500k	18.81M	18.856M

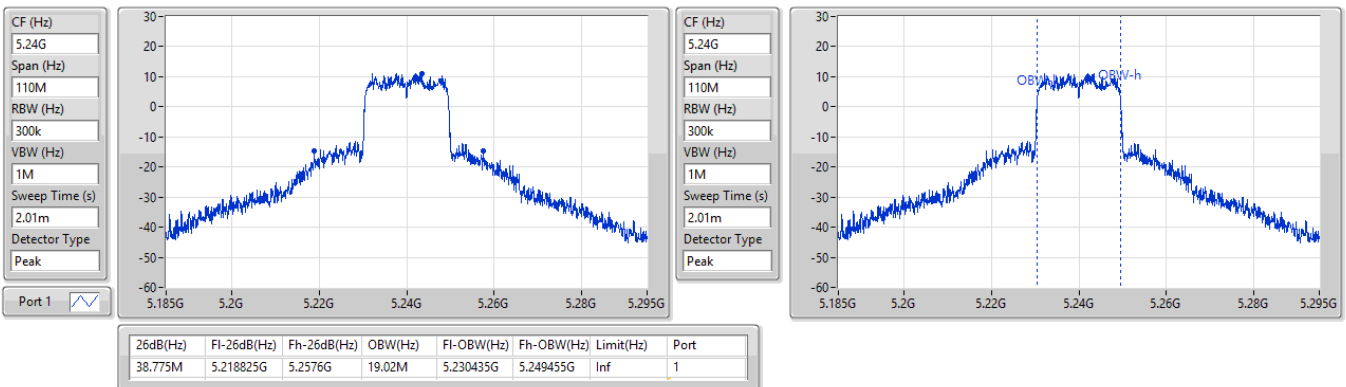
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5240MHz

24/03/2026


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX
EBW
5240MHz

24/03/2026

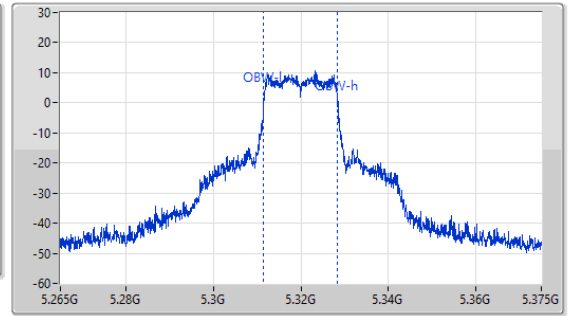
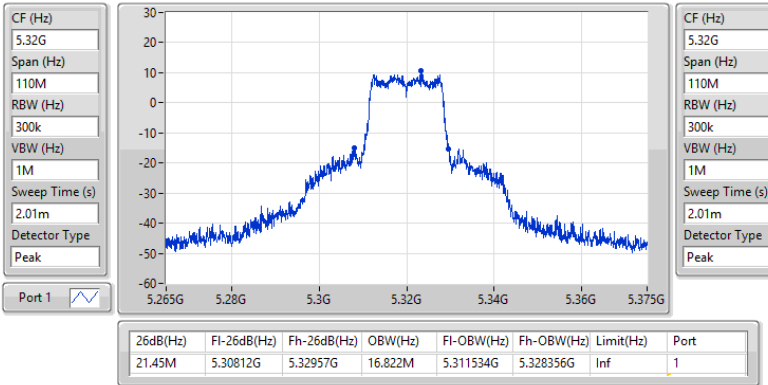


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5320MHz

24/03/2026

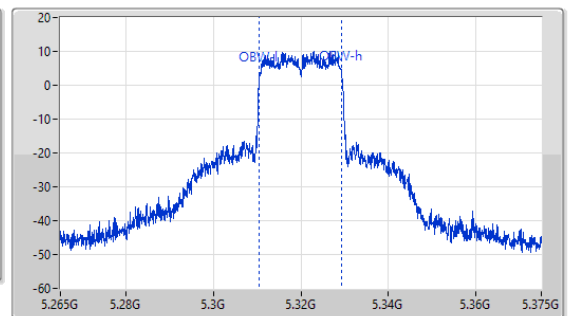
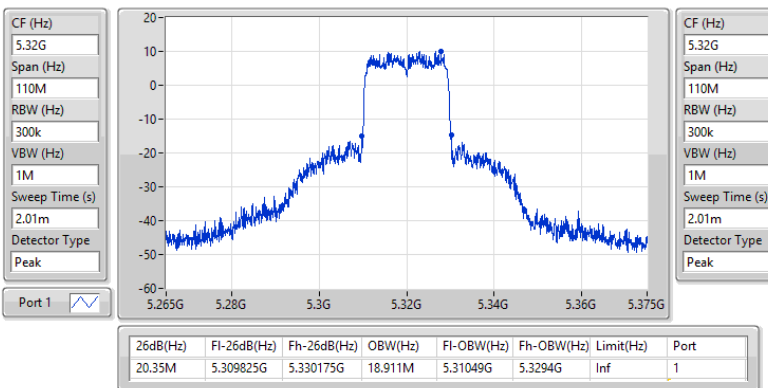


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

EBW

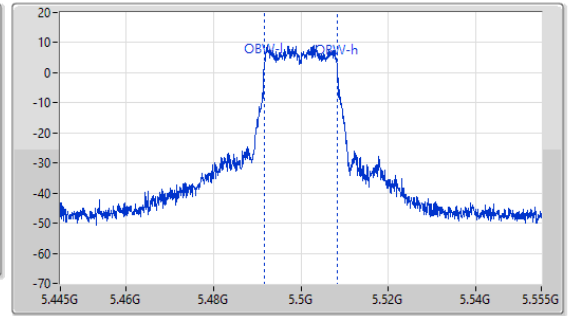
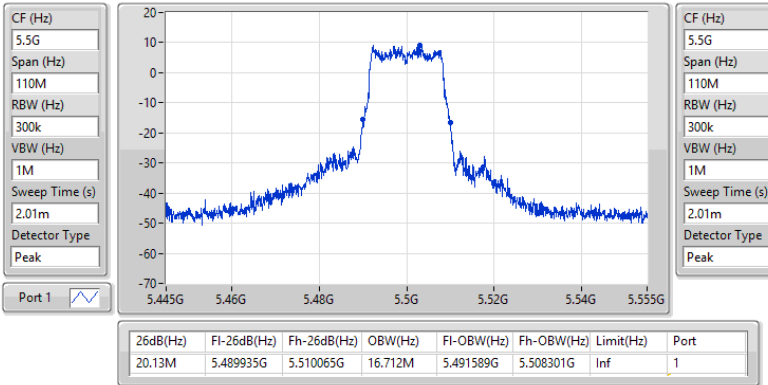
5320MHz

24/03/2026

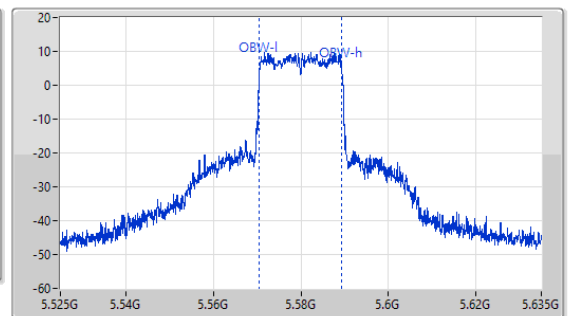
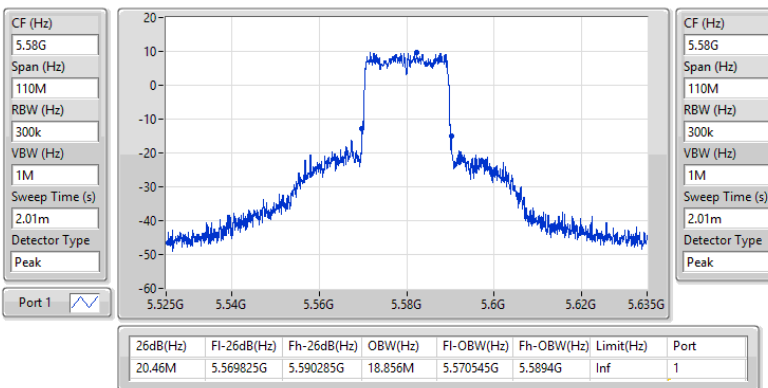


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5500MHz

24/03/2026


5.47-5.725GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX
EBW
5580MHz

24/03/2026

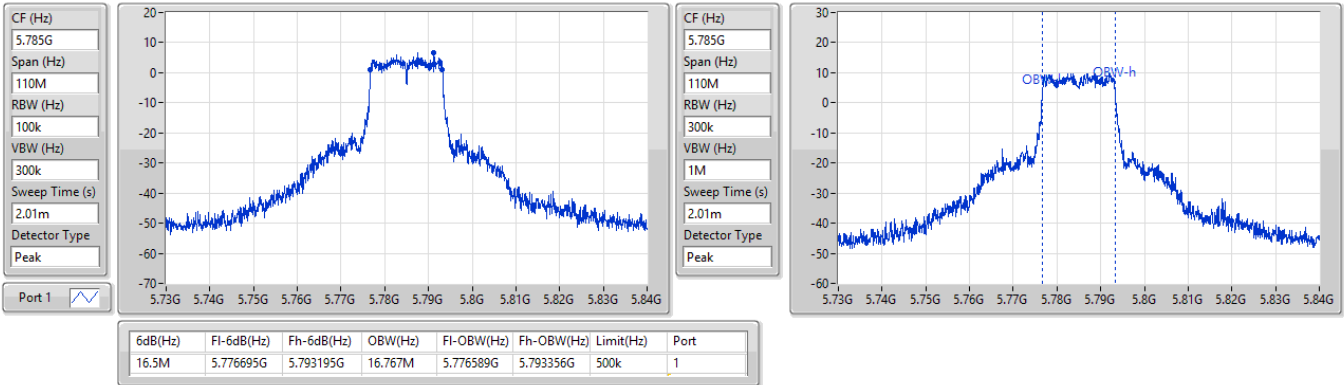


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5785MHz

24/03/2026

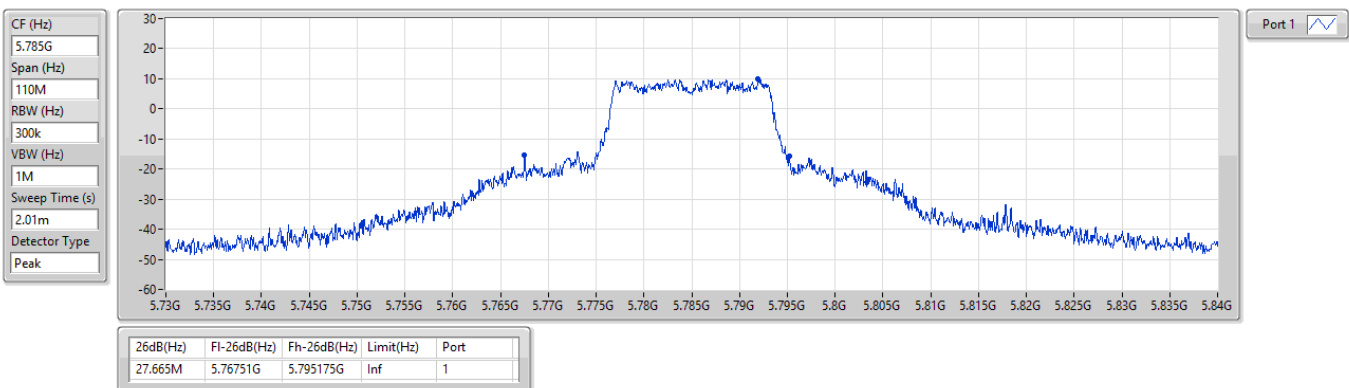


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5785MHz

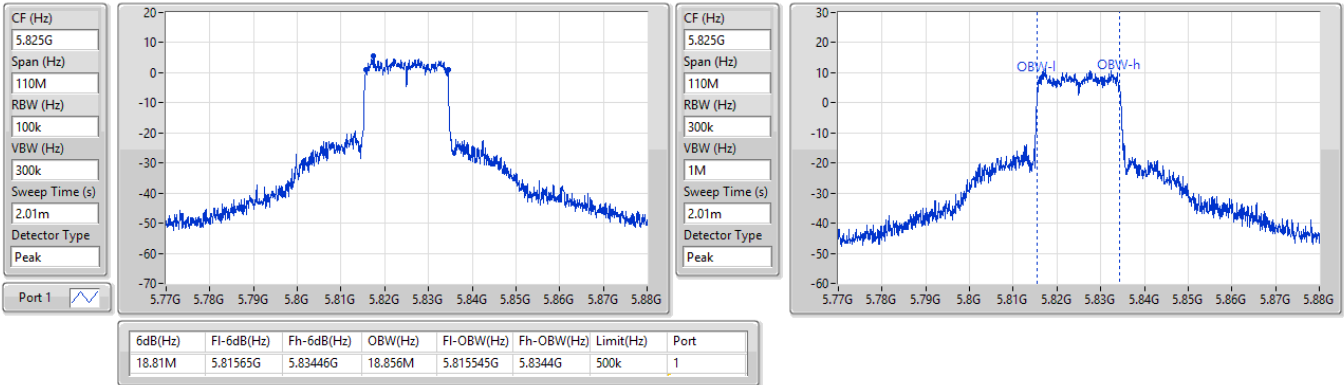
24/03/2026



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW
5825MHz

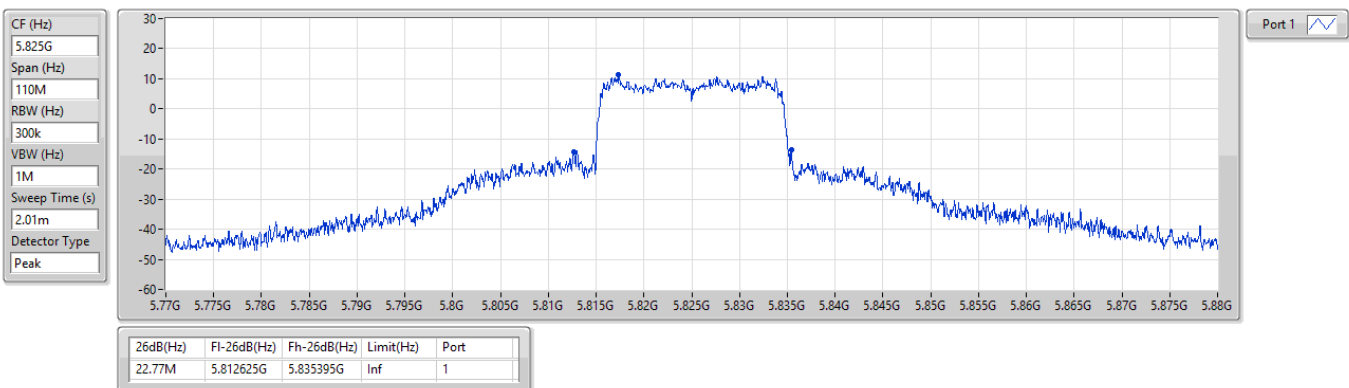
24/03/2026



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW
5825MHz

24/03/2026



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	19.85	0.09661
802.11ax HEW20_Nss1,(MCS0)_1TX	19.70	0.09333
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	19.17	0.08260
802.11ax HEW20_Nss1,(MCS0)_1TX	18.99	0.07925
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	19.26	0.08433
802.11ax HEW20_Nss1,(MCS0)_1TX	19.03	0.07998
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	19.78	0.09506
802.11ax HEW20_Nss1,(MCS0)_1TX	19.83	0.09616

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	4.97	19.30	19.30	23.98
5200MHz	Pass	4.97	19.84	19.84	23.98
5240MHz	Pass	4.97	19.85	19.85	23.98
5260MHz	Pass	4.97	19.17	19.17	23.91
5300MHz	Pass	4.97	18.93	18.93	23.95
5320MHz	Pass	4.97	18.79	18.79	23.98
5500MHz	Pass	4.97	18.04	18.04	23.98
5580MHz	Pass	4.97	19.26	19.26	23.93
5700MHz	Pass	4.97	19.01	19.01	23.97
5745MHz	Pass	4.97	19.78	19.78	30.00
5785MHz	Pass	4.97	19.38	19.38	30.00
5825MHz	Pass	4.97	19.53	19.53	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	4.97	17.31	17.31	23.98
5200MHz	Pass	4.97	19.70	19.70	23.98
5240MHz	Pass	4.97	19.50	19.50	23.98
5260MHz	Pass	4.97	18.99	18.99	23.98
5300MHz	Pass	4.97	18.70	18.70	23.98
5320MHz	Pass	4.97	18.65	18.65	23.98
5500MHz	Pass	4.97	18.24	18.24	23.98
5580MHz	Pass	4.97	19.03	19.03	23.98
5700MHz	Pass	4.97	18.96	18.96	23.98
5745MHz	Pass	4.97	19.83	19.83	30.00
5785MHz	Pass	4.97	19.43	19.43	30.00
5825MHz	Pass	4.97	19.55	19.55	30.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.50
802.11ax HEW20_Nss1,(MCS0)_1TX	6.77
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.84
802.11ax HEW20_Nss1,(MCS0)_1TX	6.08
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.82
802.11ax HEW20_Nss1,(MCS0)_1TX	6.05
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	5.84
802.11ax HEW20_Nss1,(MCS0)_1TX	5.37

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	4.97	7.05	7.05	11.00
5200MHz	Pass	4.97	7.49	7.49	11.00
5240MHz	Pass	4.97	7.50	7.50	11.00
5260MHz	Pass	4.97	6.84	6.84	11.00
5300MHz	Pass	4.97	6.60	6.60	11.00
5320MHz	Pass	4.97	6.43	6.43	11.00
5500MHz	Pass	4.97	5.57	5.57	11.00
5580MHz	Pass	4.97	6.82	6.82	11.00
5700MHz	Pass	4.97	6.57	6.57	11.00
5745MHz	Pass	4.97	5.84	5.84	30.00
5785MHz	Pass	4.97	5.55	5.55	30.00
5825MHz	Pass	4.97	5.65	5.65	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	4.97	4.39	4.39	11.00
5200MHz	Pass	4.97	6.77	6.77	11.00
5240MHz	Pass	4.97	6.66	6.66	11.00
5260MHz	Pass	4.97	6.08	6.08	11.00
5300MHz	Pass	4.97	5.84	5.84	11.00
5320MHz	Pass	4.97	5.68	5.68	11.00
5500MHz	Pass	4.97	5.23	5.23	11.00
5580MHz	Pass	4.97	6.05	6.05	11.00
5700MHz	Pass	4.97	5.93	5.93	11.00
5745MHz	Pass	4.97	5.37	5.37	30.00
5785MHz	Pass	4.97	5.08	5.08	30.00
5825MHz	Pass	4.97	5.16	5.16	30.00

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

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

Inf = There's no restriction for the limit.

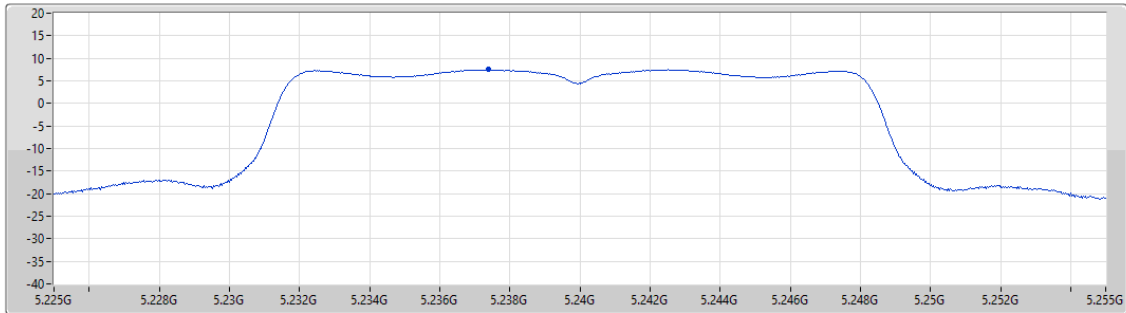
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

24/03/2026

CF (Hz)
5.24G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
14.478
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.50	7.50	7.50

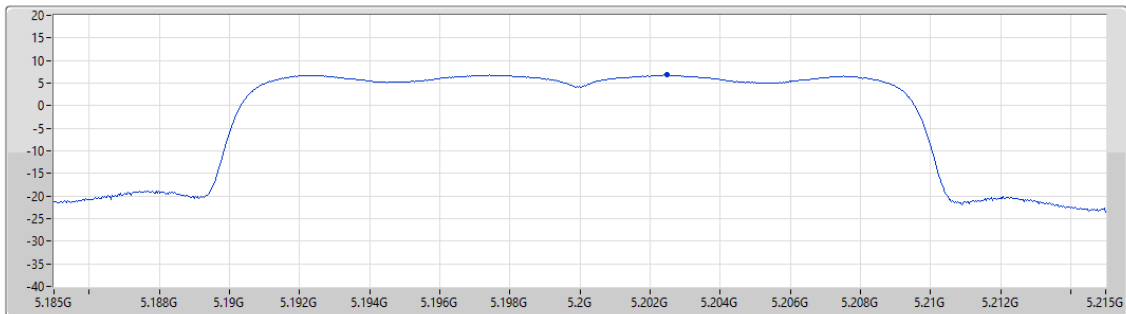
5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

24/03/2026

CF (Hz)
5.2G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
10.604
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.77	6.77	6.77

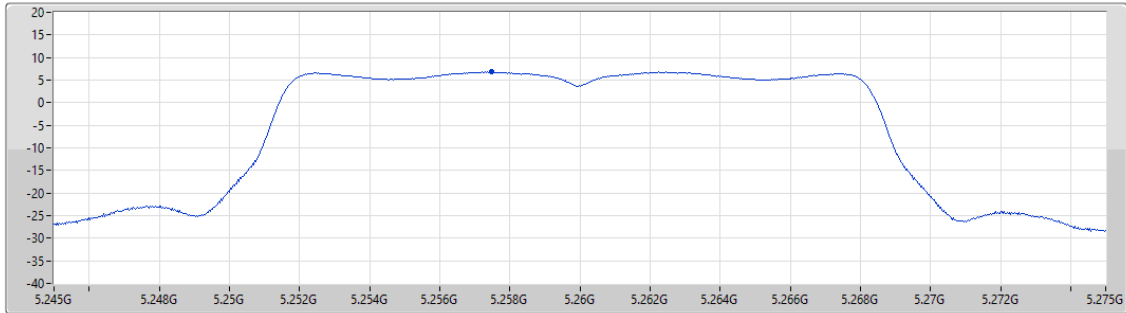
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5260MHz

24/03/2026

CF (Hz)
5.26G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
14.478
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.84	6.84	6.84

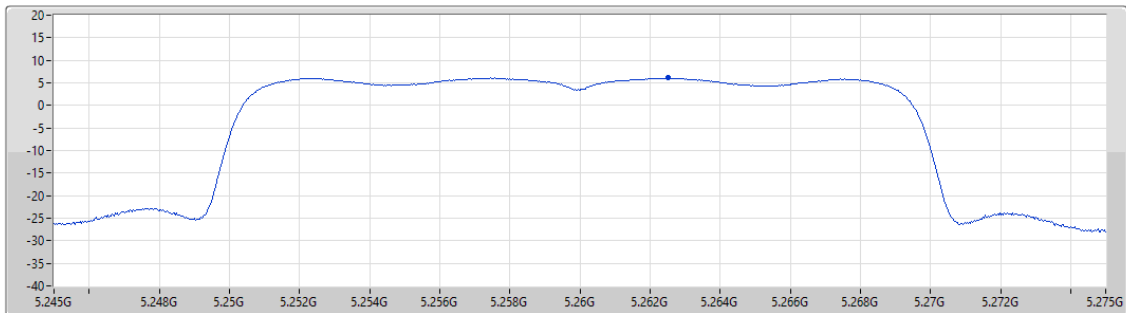
5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

PSD

5260MHz

24/03/2026

CF (Hz)
5.26G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
10.604
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.08	6.08	6.08

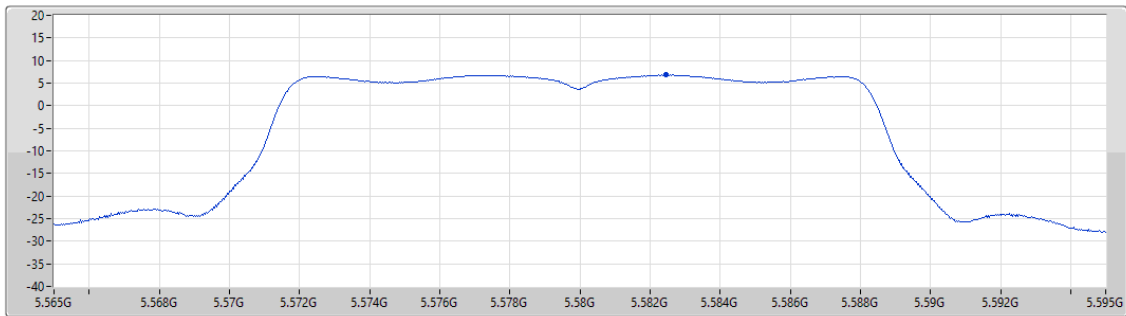
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5580MHz

24/03/2026

CF (Hz)
5.58G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
14.478
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.82	6.82	6.82

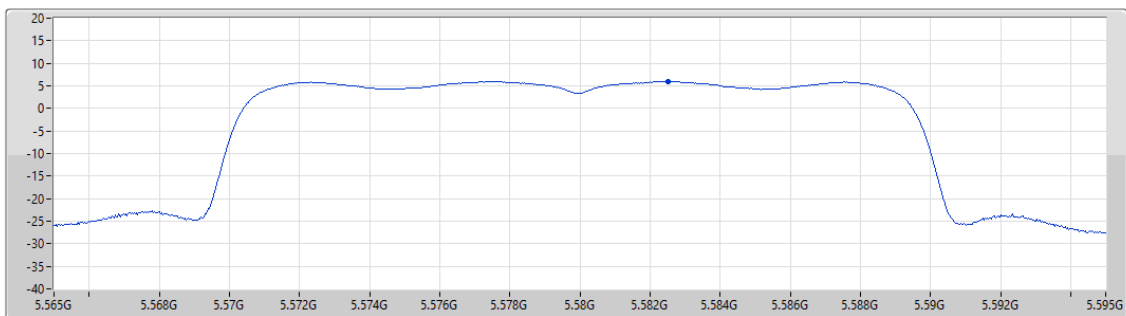
5.47-5.725GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

PSD

5580MHz

24/03/2026

CF (Hz)
5.58G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
10.604
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.05	6.05	6.05

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

24/03/2026

CF (Hz)
5.745G

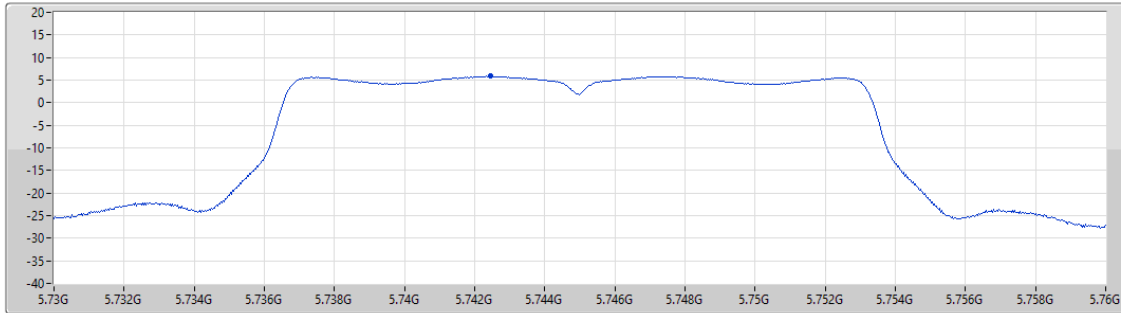
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
14.478

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.84	5.84	5.84

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5745MHz

24/03/2026

CF (Hz)
5.745G

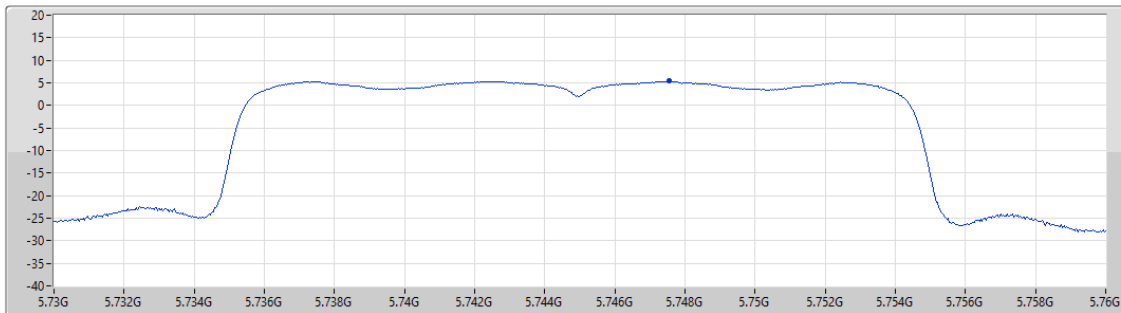
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
10.604

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.37	5.37	5.37



Summary

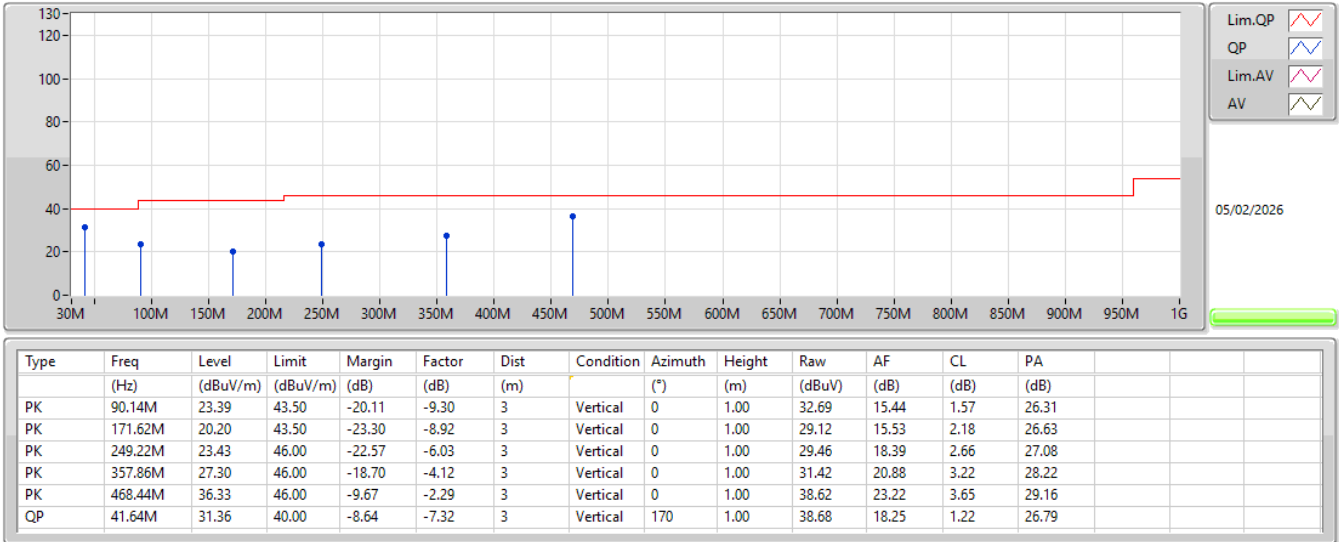
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	QP	41.64M	31.36	40.00	-8.64	3	Vertical	170	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	PK	90.14M	23.39	43.50	-20.11	3	Vertical	0	1.00
5500MHz	Pass	PK	171.62M	20.20	43.50	-23.30	3	Vertical	0	1.00
5500MHz	Pass	PK	249.22M	23.43	46.00	-22.57	3	Vertical	0	1.00
5500MHz	Pass	PK	357.86M	27.30	46.00	-18.70	3	Vertical	0	1.00
5500MHz	Pass	PK	468.44M	36.33	46.00	-9.67	3	Vertical	0	1.00
5500MHz	Pass	QP	41.64M	31.36	40.00	-8.64	3	Vertical	170	1.00
5500MHz	Pass	PK	41.64M	26.81	40.00	-13.19	3	Horizontal	360	1.00
5500MHz	Pass	PK	90.14M	20.48	43.50	-23.02	3	Horizontal	360	1.00
5500MHz	Pass	PK	150.28M	24.38	43.50	-19.12	3	Horizontal	360	1.00
5500MHz	Pass	PK	173.56M	24.79	43.50	-18.71	3	Horizontal	360	1.00
5500MHz	Pass	PK	286.08M	24.89	46.00	-21.11	3	Horizontal	360	1.00
5500MHz	Pass	PK	344.28M	30.20	46.00	-15.80	3	Horizontal	360	1.00

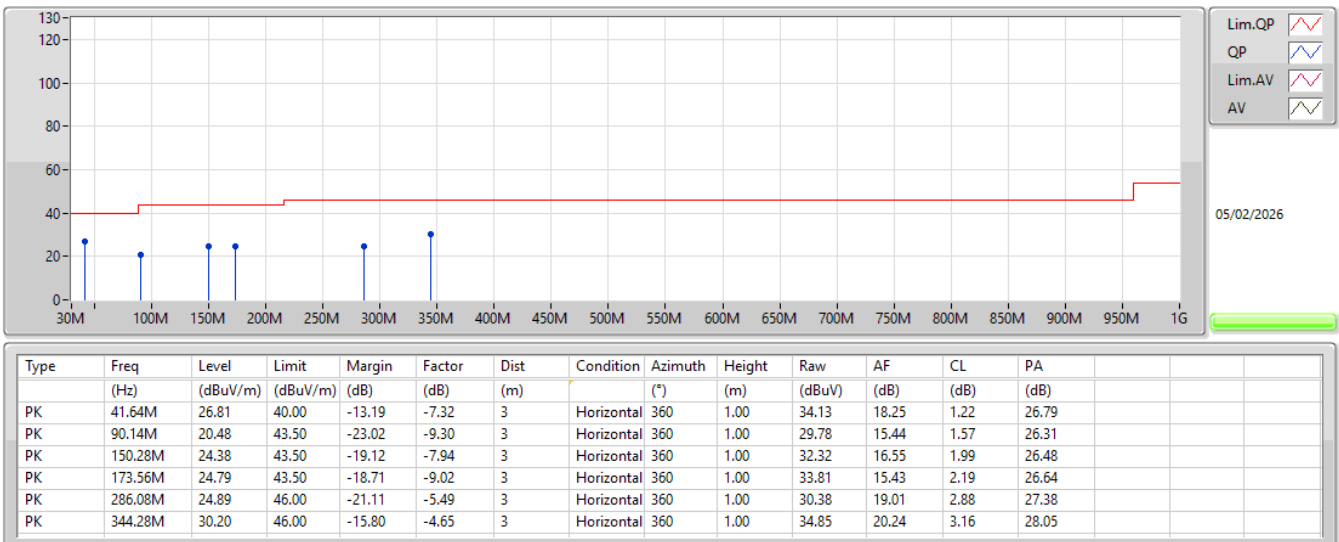
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX



5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	AV	5.15G	52.67	54.00	-1.33	3	Horizontal	207	1.40
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	AV	5.1498G	53.30	54.00	-0.70	3	Horizontal	265	2.02
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	AV	5.35G	49.61	54.00	-4.39	3	Horizontal	326	1.97
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	AV	5.35G	49.89	54.00	-4.11	3	Horizontal	327	1.90
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	PK	5.4692G	66.91	68.20	-1.29	3	Horizontal	203	1.48
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	PK	5.7252G	67.54	68.20	-0.66	3	Horizontal	320	1.16
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	AV	11.56982G	49.43	54.00	-4.57	3	Vertical	271	2.95
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	AV	11.56892G	48.64	54.00	-5.36	3	Vertical	269	3.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	49.88	54.00	-4.12	3	Vertical	117	1.35
5180MHz	Pass	AV	5.1774G	97.24	Inf	-Inf	3	Vertical	117	1.35
5180MHz	Pass	PK	5.1478G	63.64	74.00	-10.36	3	Vertical	117	1.35
5180MHz	Pass	PK	5.1764G	106.66	Inf	-Inf	3	Vertical	117	1.35
5180MHz	Pass	AV	5.15G	52.67	54.00	-1.33	3	Horizontal	207	1.40
5180MHz	Pass	AV	5.1774G	101.32	Inf	-Inf	3	Horizontal	207	1.40
5180MHz	Pass	PK	5.1482G	69.14	74.00	-4.86	3	Horizontal	207	1.40
5180MHz	Pass	PK	5.1768G	110.56	Inf	-Inf	3	Horizontal	207	1.40
5180MHz	Pass	PK	10.36352G	59.48	68.20	-8.72	3	Vertical	178	1.94
5180MHz	Pass	PK	10.3654G	57.40	68.20	-10.80	3	Horizontal	107	2.39
5200MHz	Pass	AV	5.15G	46.55	54.00	-7.45	3	Vertical	230	1.10
5200MHz	Pass	AV	5.1972G	96.24	Inf	-Inf	3	Vertical	230	1.10
5200MHz	Pass	PK	5.1496G	58.56	74.00	-15.44	3	Vertical	230	1.10
5200MHz	Pass	PK	5.1968G	105.54	Inf	-Inf	3	Vertical	230	1.10
5200MHz	Pass	AV	5.15G	49.25	54.00	-4.75	3	Horizontal	264	2.12
5200MHz	Pass	AV	5.2024G	103.41	Inf	-Inf	3	Horizontal	264	2.12
5200MHz	Pass	PK	5.15G	65.80	74.00	-8.20	3	Horizontal	264	2.12
5200MHz	Pass	PK	5.1968G	112.36	Inf	-Inf	3	Horizontal	264	2.12
5200MHz	Pass	PK	10.40036G	60.90	68.20	-7.30	3	Vertical	189	2.78
5200MHz	Pass	PK	10.40332G	57.07	68.20	-11.13	3	Horizontal	142	1.00
5240MHz	Pass	AV	5.1488G	45.59	54.00	-8.41	3	Vertical	230	1.35
5240MHz	Pass	AV	5.2322G	95.53	Inf	-Inf	3	Vertical	230	1.35
5240MHz	Pass	AV	5.3648G	46.24	54.00	-7.76	3	Vertical	230	1.35
5240MHz	Pass	PK	5.0984G	57.38	74.00	-16.62	3	Vertical	230	1.35
5240MHz	Pass	PK	5.237G	104.45	Inf	-Inf	3	Vertical	230	1.35
5240MHz	Pass	PK	5.381G	58.53	74.00	-15.47	3	Vertical	230	1.35
5240MHz	Pass	AV	5.15G	46.32	54.00	-7.68	3	Horizontal	265	1.98
5240MHz	Pass	AV	5.2322G	102.10	Inf	-Inf	3	Horizontal	265	1.98
5240MHz	Pass	AV	5.3612G	46.39	54.00	-7.61	3	Horizontal	265	1.98
5240MHz	Pass	PK	5.1332G	58.15	74.00	-15.85	3	Horizontal	265	1.98
5240MHz	Pass	PK	5.2364G	111.49	Inf	-Inf	3	Horizontal	265	1.98
5240MHz	Pass	PK	5.3504G	58.83	74.00	-15.17	3	Horizontal	265	1.98
5240MHz	Pass	PK	10.47144G	59.84	68.20	-8.36	3	Vertical	187	2.74
5240MHz	Pass	PK	10.47944G	57.35	68.20	-10.85	3	Horizontal	170	2.20
5260MHz	Pass	AV	5.15G	45.62	54.00	-8.38	3	Vertical	230	1.24
5260MHz	Pass	AV	5.2624G	95.04	Inf	-Inf	3	Vertical	230	1.24
5260MHz	Pass	AV	5.3902G	46.28	54.00	-7.72	3	Vertical	230	1.24
5260MHz	Pass	PK	5.1316G	57.88	74.00	-16.12	3	Vertical	230	1.24
5260MHz	Pass	PK	5.2624G	103.44	Inf	-Inf	3	Vertical	230	1.24
5260MHz	Pass	PK	5.3734G	59.87	74.00	-14.13	3	Vertical	230	1.24
5260MHz	Pass	AV	5.1484G	45.91	54.00	-8.09	3	Horizontal	265	2.08
5260MHz	Pass	AV	5.257G	101.58	Inf	-Inf	3	Horizontal	265	2.08
5260MHz	Pass	AV	5.3638G	46.43	54.00	-7.57	3	Horizontal	265	2.08
5260MHz	Pass	PK	5.149G	57.96	74.00	-16.04	3	Horizontal	265	2.08
5260MHz	Pass	PK	5.2624G	110.91	Inf	-Inf	3	Horizontal	265	2.08
5260MHz	Pass	PK	5.3836G	59.08	74.00	-14.92	3	Horizontal	265	2.08
5260MHz	Pass	PK	10.52336G	60.95	68.20	-7.25	3	Vertical	188	2.95
5260MHz	Pass	PK	10.51764G	57.58	68.20	-10.62	3	Horizontal	169	2.15
5300MHz	Pass	AV	5.3024G	94.22	Inf	-Inf	3	Vertical	228	1.08
5300MHz	Pass	AV	5.35G	46.23	54.00	-7.77	3	Vertical	228	1.08
5300MHz	Pass	PK	5.3024G	103.60	Inf	-Inf	3	Vertical	228	1.08
5300MHz	Pass	PK	5.362G	58.63	74.00	-15.37	3	Vertical	228	1.08
5300MHz	Pass	AV	5.3028G	100.93	Inf	-Inf	3	Horizontal	264	2.02
5300MHz	Pass	AV	5.3504G	47.22	54.00	-6.78	3	Horizontal	264	2.02
5300MHz	Pass	PK	5.3024G	110.16	Inf	-Inf	3	Horizontal	264	2.02
5300MHz	Pass	PK	5.3516G	61.04	74.00	-12.96	3	Horizontal	264	2.02
5300MHz	Pass	PK	10.59672G	60.58	68.20	-7.62	3	Vertical	186	2.91
5300MHz	Pass	PK	10.59852G	57.90	68.20	-10.30	3	Horizontal	172	2.40
5320MHz	Pass	AV	5.3222G	94.73	Inf	-Inf	3	Vertical	227	1.12
5320MHz	Pass	AV	5.35G	47.30	54.00	-6.70	3	Vertical	227	1.12

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5320MHz	Pass	PK	5.3224G	104.02	Inf	-Inf	3	Vertical	227	1.12
5320MHz	Pass	PK	5.3536G	61.05	74.00	-12.95	3	Vertical	227	1.12
5320MHz	Pass	AV	5.3226G	99.01	Inf	-Inf	3	Horizontal	326	1.97
5320MHz	Pass	AV	5.35G	49.61	54.00	-4.39	3	Horizontal	326	1.97
5320MHz	Pass	PK	5.3226G	108.13	Inf	-Inf	3	Horizontal	326	1.97
5320MHz	Pass	PK	5.3506G	64.74	74.00	-9.26	3	Horizontal	326	1.97
5320MHz	Pass	AV	10.63976G	45.94	54.00	-8.06	3	Vertical	93	2.25
5320MHz	Pass	PK	10.64652G	58.30	74.00	-15.70	3	Vertical	93	2.25
5320MHz	Pass	AV	10.6394G	44.17	54.00	-9.83	3	Horizontal	99	2.73
5320MHz	Pass	PK	10.64052G	56.50	74.00	-17.50	3	Horizontal	99	2.73
5500MHz	Pass	AV	5.46G	46.41	54.00	-7.59	3	Vertical	127	1.43
5500MHz	Pass	AV	5.4974G	94.23	Inf	-Inf	3	Vertical	127	1.43
5500MHz	Pass	PK	5.4566G	58.39	74.00	-15.61	3	Vertical	127	1.43
5500MHz	Pass	PK	5.4694G	62.49	68.20	-5.71	3	Vertical	127	1.43
5500MHz	Pass	PK	5.4978G	103.54	Inf	-Inf	3	Vertical	127	1.43
5500MHz	Pass	AV	5.4598G	47.42	54.00	-6.58	3	Horizontal	203	1.48
5500MHz	Pass	AV	5.5024G	99.65	Inf	-Inf	3	Horizontal	203	1.48
5500MHz	Pass	PK	5.458G	59.28	74.00	-14.72	3	Horizontal	203	1.48
5500MHz	Pass	PK	5.4692G	66.91	68.20	-1.29	3	Horizontal	203	1.48
5500MHz	Pass	PK	5.5024G	109.02	Inf	-Inf	3	Horizontal	203	1.48
5500MHz	Pass	AV	10.9994G	48.73	54.00	-5.27	3	Vertical	177	2.70
5500MHz	Pass	PK	10.99536G	61.14	74.00	-12.86	3	Vertical	177	2.70
5500MHz	Pass	AV	10.99952G	47.22	54.00	-6.78	3	Horizontal	114	2.87
5500MHz	Pass	PK	11.0008G	59.47	74.00	-14.53	3	Horizontal	114	2.87
5580MHz	Pass	AV	5.4408G	46.14	54.00	-7.86	3	Vertical	199	1.52
5580MHz	Pass	AV	5.5824G	93.33	Inf	-Inf	3	Vertical	199	1.52
5580MHz	Pass	PK	5.4486G	59.50	74.00	-14.50	3	Vertical	199	1.52
5580MHz	Pass	PK	5.4618G	57.81	68.20	-10.39	3	Vertical	199	1.52
5580MHz	Pass	PK	5.5824G	102.61	Inf	-Inf	3	Vertical	199	1.52
5580MHz	Pass	PK	5.7282G	58.81	68.20	-9.39	3	Vertical	199	1.52
5580MHz	Pass	AV	5.46G	46.23	54.00	-7.77	3	Horizontal	324	1.21
5580MHz	Pass	AV	5.577G	101.03	Inf	-Inf	3	Horizontal	324	1.21
5580MHz	Pass	PK	5.4594G	58.96	74.00	-15.04	3	Horizontal	324	1.21
5580MHz	Pass	PK	5.4618G	58.42	68.20	-9.78	3	Horizontal	324	1.21
5580MHz	Pass	PK	5.5764G	110.42	Inf	-Inf	3	Horizontal	324	1.21
5580MHz	Pass	PK	5.7264G	58.71	68.20	-9.49	3	Horizontal	324	1.21
5580MHz	Pass	AV	11.15996G	48.07	54.00	-5.93	3	Vertical	86	2.16
5580MHz	Pass	PK	11.15592G	61.07	74.00	-12.93	3	Vertical	86	2.16
5580MHz	Pass	AV	11.16004G	45.36	54.00	-8.64	3	Horizontal	168	2.18
5580MHz	Pass	PK	11.15868G	58.29	74.00	-15.71	3	Horizontal	168	2.18
5700MHz	Pass	AV	5.7024G	93.87	Inf	-Inf	3	Vertical	225	1.32
5700MHz	Pass	PK	5.7024G	103.07	Inf	-Inf	3	Vertical	225	1.32
5700MHz	Pass	PK	5.7252G	61.04	68.20	-7.16	3	Vertical	225	1.32
5700MHz	Pass	AV	5.7072G	99.35	Inf	-Inf	3	Horizontal	319	2.07
5700MHz	Pass	PK	5.7024G	108.50	Inf	-Inf	3	Horizontal	319	2.07
5700MHz	Pass	PK	5.7252G	62.53	68.20	-5.67	3	Horizontal	319	2.07
5700MHz	Pass	AV	11.39944G	48.80	54.00	-5.20	3	Vertical	277	2.16
5700MHz	Pass	PK	11.40516G	61.24	74.00	-12.76	3	Vertical	277	2.16
5700MHz	Pass	AV	11.39944G	44.76	54.00	-9.24	3	Horizontal	311	2.66
5700MHz	Pass	PK	11.39532G	56.83	74.00	-17.17	3	Horizontal	311	2.66
5745MHz	Pass	AV	5.451G	46.14	54.00	-7.86	3	Vertical	227	1.24
5745MHz	Pass	AV	5.7426G	96.31	Inf	-Inf	3	Vertical	227	1.24
5745MHz	Pass	PK	5.5194G	59.59	68.20	-8.61	3	Vertical	227	1.24
5745MHz	Pass	PK	5.7414G	105.49	Inf	-Inf	3	Vertical	227	1.24
5745MHz	Pass	PK	6.0198G	59.93	68.20	-8.27	3	Vertical	227	1.24
5745MHz	Pass	AV	5.451G	46.14	54.00	-7.86	3	Horizontal	320	1.18
5745MHz	Pass	AV	5.7426G	102.10	Inf	-Inf	3	Horizontal	320	1.18
5745MHz	Pass	PK	5.499G	58.68	68.20	-9.52	3	Horizontal	320	1.18
5745MHz	Pass	PK	5.7474G	111.34	Inf	-Inf	3	Horizontal	320	1.18
5745MHz	Pass	PK	5.9634G	59.76	68.20	-8.44	3	Horizontal	320	1.18
5745MHz	Pass	AV	11.48946G	49.24	54.00	-4.76	3	Vertical	85	2.87
5745MHz	Pass	PK	11.49312G	61.03	74.00	-12.97	3	Vertical	85	2.87

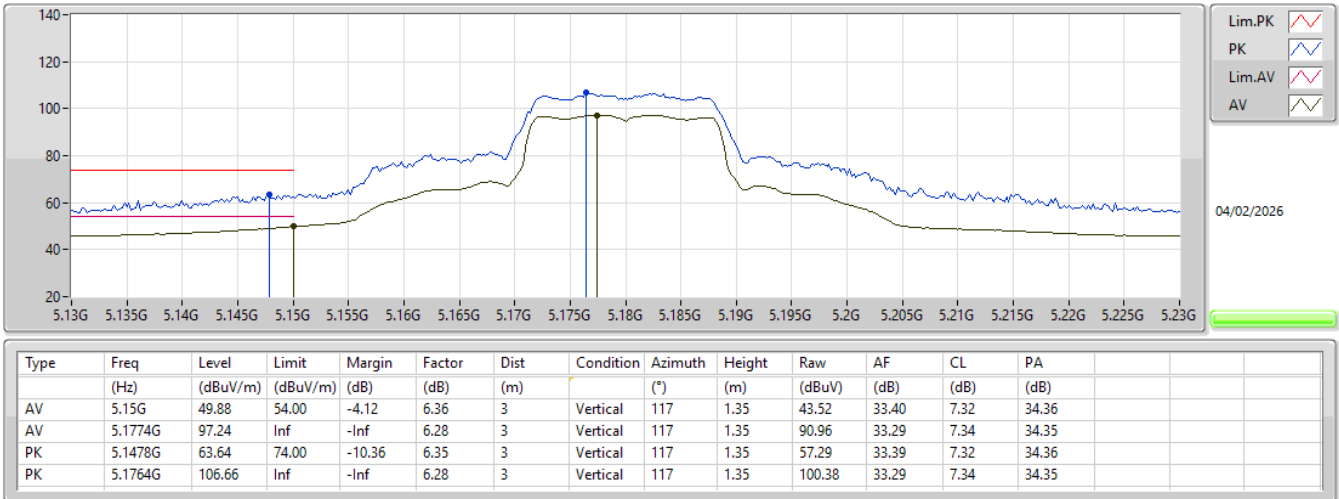
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5745MHz	Pass	AV	11.48982G	45.85	54.00	-8.15	3	Horizontal	150	2.95
5745MHz	Pass	PK	11.49936G	57.71	74.00	-16.29	3	Horizontal	150	2.95
5785MHz	Pass	AV	5.7778G	96.05	Inf	-Inf	3	Vertical	227	1.31
5785MHz	Pass	PK	5.6002G	58.54	68.20	-9.66	3	Vertical	227	1.31
5785MHz	Pass	PK	5.7814G	105.13	Inf	-Inf	3	Vertical	227	1.31
5785MHz	Pass	PK	5.9302G	60.83	68.20	-7.37	3	Vertical	227	1.31
5785MHz	Pass	AV	5.7778G	103.06	Inf	-Inf	3	Horizontal	259	2.05
5785MHz	Pass	PK	5.611G	59.04	68.20	-9.16	3	Horizontal	259	2.05
5785MHz	Pass	PK	5.7838G	111.66	Inf	-Inf	3	Horizontal	259	2.05
5785MHz	Pass	PK	6.0382G	60.12	68.20	-8.08	3	Horizontal	259	2.05
5785MHz	Pass	AV	11.56982G	49.43	54.00	-4.57	3	Vertical	271	2.95
5785MHz	Pass	PK	11.57036G	61.84	74.00	-12.16	3	Vertical	271	2.95
5785MHz	Pass	AV	11.56976G	44.79	54.00	-9.21	3	Horizontal	315	1.50
5785MHz	Pass	PK	11.57066G	56.99	74.00	-17.01	3	Horizontal	315	1.50
5825MHz	Pass	AV	5.8226G	95.91	Inf	-Inf	3	Vertical	129	1.65
5825MHz	Pass	PK	5.6258G	58.38	68.20	-9.82	3	Vertical	129	1.65
5825MHz	Pass	PK	5.8214G	104.75	Inf	-Inf	3	Vertical	129	1.65
5825MHz	Pass	PK	5.9462G	59.66	68.20	-8.54	3	Vertical	129	1.65
5825MHz	Pass	AV	5.8274G	100.92	Inf	-Inf	3	Horizontal	201	1.28
5825MHz	Pass	PK	5.627G	57.88	68.20	-10.32	3	Horizontal	201	1.28
5825MHz	Pass	PK	5.8214G	109.85	Inf	-Inf	3	Horizontal	201	1.28
5825MHz	Pass	PK	6.0422G	59.57	68.20	-8.63	3	Horizontal	201	1.28
5825MHz	Pass	AV	11.65096G	48.50	54.00	-5.50	3	Vertical	173	2.57
5825MHz	Pass	PK	11.65052G	61.19	74.00	-12.81	3	Vertical	173	2.57
5825MHz	Pass	AV	11.65116G	44.66	54.00	-9.34	3	Horizontal	29	1.88
5825MHz	Pass	PK	11.65028G	57.34	74.00	-16.66	3	Horizontal	29	1.88
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	48.05	54.00	-5.95	3	Vertical	229	1.23
5180MHz	Pass	AV	5.1776G	94.27	Inf	-Inf	3	Vertical	229	1.23
5180MHz	Pass	PK	5.1494G	60.72	74.00	-13.28	3	Vertical	229	1.23
5180MHz	Pass	PK	5.176G	106.03	Inf	-Inf	3	Vertical	229	1.23
5180MHz	Pass	AV	5.1498G	53.30	54.00	-0.70	3	Horizontal	265	2.02
5180MHz	Pass	AV	5.1824G	101.10	Inf	-Inf	3	Horizontal	265	2.02
5180MHz	Pass	PK	5.148G	66.78	74.00	-7.22	3	Horizontal	265	2.02
5180MHz	Pass	PK	5.1824G	113.46	Inf	-Inf	3	Horizontal	265	2.02
5180MHz	Pass	PK	10.36474G	58.28	68.20	-9.92	3	Vertical	80	2.51
5180MHz	Pass	PK	10.36228G	57.36	68.20	-10.84	3	Horizontal	329	2.68
5200MHz	Pass	AV	5.15G	47.16	54.00	-6.84	3	Vertical	230	1.34
5200MHz	Pass	AV	5.1924G	95.88	Inf	-Inf	3	Vertical	230	1.34
5200MHz	Pass	PK	5.15G	60.93	74.00	-13.07	3	Vertical	230	1.34
5200MHz	Pass	PK	5.1972G	107.05	Inf	-Inf	3	Vertical	230	1.34
5200MHz	Pass	AV	5.15G	51.40	54.00	-2.60	3	Horizontal	265	2.12
5200MHz	Pass	AV	5.2024G	102.95	Inf	-Inf	3	Horizontal	265	2.12
5200MHz	Pass	PK	5.1492G	66.15	74.00	-7.85	3	Horizontal	265	2.12
5200MHz	Pass	PK	5.1976G	114.79	Inf	-Inf	3	Horizontal	265	2.12
5200MHz	Pass	PK	10.3964G	60.21	68.20	-7.99	3	Vertical	290	2.54
5200MHz	Pass	PK	10.4018G	58.40	68.20	-9.80	3	Horizontal	328	2.64
5240MHz	Pass	AV	5.1482G	45.58	54.00	-8.42	3	Vertical	231	1.35
5240MHz	Pass	AV	5.2322G	94.79	Inf	-Inf	3	Vertical	231	1.35
5240MHz	Pass	AV	5.3864G	46.23	54.00	-7.77	3	Vertical	231	1.35
5240MHz	Pass	PK	5.1386G	57.78	74.00	-16.22	3	Vertical	231	1.35
5240MHz	Pass	PK	5.237G	106.47	Inf	-Inf	3	Vertical	231	1.35
5240MHz	Pass	PK	5.3642G	58.16	74.00	-15.84	3	Vertical	231	1.35
5240MHz	Pass	AV	5.15G	46.37	54.00	-7.63	3	Horizontal	264	1.99
5240MHz	Pass	AV	5.2322G	101.78	Inf	-Inf	3	Horizontal	264	1.99
5240MHz	Pass	AV	5.3636G	46.41	54.00	-7.59	3	Horizontal	264	1.99
5240MHz	Pass	PK	5.1494G	58.45	74.00	-15.55	3	Horizontal	264	1.99
5240MHz	Pass	PK	5.237G	113.37	Inf	-Inf	3	Horizontal	264	1.99
5240MHz	Pass	PK	5.384G	58.55	74.00	-15.45	3	Horizontal	264	1.99
5240MHz	Pass	PK	10.48666G	59.75	68.20	-8.45	3	Vertical	83	2.66
5240MHz	Pass	PK	10.48162G	58.84	68.20	-9.36	3	Horizontal	328	2.67
5260MHz	Pass	AV	5.15G	45.55	54.00	-8.45	3	Vertical	230	1.24

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5260MHz	Pass	AV	5.2624G	94.41	Inf	-Inf	3	Vertical	230	1.24
5260MHz	Pass	AV	5.3848G	46.25	54.00	-7.75	3	Vertical	230	1.24
5260MHz	Pass	PK	5.1226G	57.95	74.00	-16.05	3	Vertical	230	1.24
5260MHz	Pass	PK	5.2636G	105.66	Inf	-Inf	3	Vertical	230	1.24
5260MHz	Pass	PK	5.407G	58.95	74.00	-15.05	3	Vertical	230	1.24
5260MHz	Pass	AV	5.1196G	45.86	54.00	-8.14	3	Horizontal	264	2.08
5260MHz	Pass	AV	5.2576G	101.20	Inf	-Inf	3	Horizontal	264	2.08
5260MHz	Pass	AV	5.3602G	46.50	54.00	-7.50	3	Horizontal	264	2.08
5260MHz	Pass	PK	5.1238G	59.23	74.00	-14.77	3	Horizontal	264	2.08
5260MHz	Pass	PK	5.2624G	112.17	Inf	-Inf	3	Horizontal	264	2.08
5260MHz	Pass	PK	5.4022G	59.07	74.00	-14.93	3	Horizontal	264	2.08
5260MHz	Pass	PK	10.51838G	60.34	68.20	-7.86	3	Vertical	83	2.06
5260MHz	Pass	PK	10.52252G	58.73	68.20	-9.47	3	Horizontal	331	2.79
5300MHz	Pass	AV	5.2924G	93.55	Inf	-Inf	3	Vertical	227	1.07
5300MHz	Pass	AV	5.362G	46.24	54.00	-7.76	3	Vertical	227	1.07
5300MHz	Pass	PK	5.298G	105.42	Inf	-Inf	3	Vertical	227	1.07
5300MHz	Pass	PK	5.3536G	58.55	74.00	-15.45	3	Vertical	227	1.07
5300MHz	Pass	AV	5.2924G	100.35	Inf	-Inf	3	Horizontal	264	2.06
5300MHz	Pass	AV	5.35G	47.43	54.00	-6.57	3	Horizontal	264	2.06
5300MHz	Pass	PK	5.3024G	111.96	Inf	-Inf	3	Horizontal	264	2.06
5300MHz	Pass	PK	5.3568G	59.85	74.00	-14.15	3	Horizontal	264	2.06
5300MHz	Pass	PK	10.6015G	60.24	74.00	-13.76	3	Vertical	84	2.08
5300MHz	Pass	PK	10.59832G	58.49	68.20	-9.71	3	Horizontal	331	2.89
5320MHz	Pass	AV	5.3226G	94.05	Inf	-Inf	3	Vertical	227	1.13
5320MHz	Pass	AV	5.35G	47.74	54.00	-6.26	3	Vertical	227	1.13
5320MHz	Pass	PK	5.323G	105.79	Inf	-Inf	3	Vertical	227	1.13
5320MHz	Pass	PK	5.3512G	63.08	74.00	-10.92	3	Vertical	227	1.13
5320MHz	Pass	AV	5.3226G	98.55	Inf	-Inf	3	Horizontal	327	1.90
5320MHz	Pass	AV	5.35G	49.89	54.00	-4.11	3	Horizontal	327	1.90
5320MHz	Pass	PK	5.322G	110.52	Inf	-Inf	3	Horizontal	327	1.90
5320MHz	Pass	PK	5.3506G	67.40	74.00	-6.60	3	Horizontal	327	1.90
5320MHz	Pass	AV	10.63898G	47.49	54.00	-6.51	3	Vertical	83	2.12
5320MHz	Pass	PK	10.6385G	59.59	74.00	-14.41	3	Vertical	83	2.12
5320MHz	Pass	AV	10.6412G	45.40	54.00	-8.60	3	Horizontal	331	2.97
5320MHz	Pass	PK	10.64012G	58.35	74.00	-15.65	3	Horizontal	331	2.97
5500MHz	Pass	AV	5.4594G	46.56	54.00	-7.44	3	Vertical	197	1.52
5500MHz	Pass	AV	5.5024G	91.24	Inf	-Inf	3	Vertical	197	1.52
5500MHz	Pass	PK	5.4572G	58.76	74.00	-15.24	3	Vertical	197	1.52
5500MHz	Pass	PK	5.4686G	61.23	68.20	-6.97	3	Vertical	197	1.52
5500MHz	Pass	PK	5.4974G	103.18	Inf	-Inf	3	Vertical	197	1.52
5500MHz	Pass	AV	5.46G	47.73	54.00	-6.27	3	Horizontal	323	1.99
5500MHz	Pass	AV	5.5024G	98.02	Inf	-Inf	3	Horizontal	323	1.99
5500MHz	Pass	PK	5.4598G	62.42	74.00	-11.58	3	Horizontal	323	1.99
5500MHz	Pass	PK	5.4664G	67.33	68.20	-0.87	3	Horizontal	323	1.99
5500MHz	Pass	PK	5.5024G	109.70	Inf	-Inf	3	Horizontal	323	1.99
5500MHz	Pass	AV	11.00018G	49.25	54.00	-4.75	3	Vertical	83	1.00
5500MHz	Pass	PK	10.99532G	62.33	74.00	-11.67	3	Vertical	83	1.00
5500MHz	Pass	AV	10.99868G	45.90	54.00	-8.10	3	Horizontal	305	1.08
5500MHz	Pass	PK	10.99604G	58.28	74.00	-15.72	3	Horizontal	305	1.08
5580MHz	Pass	AV	5.4576G	46.14	54.00	-7.86	3	Vertical	199	1.55
5580MHz	Pass	AV	5.5722G	92.91	Inf	-Inf	3	Vertical	199	1.55
5580MHz	Pass	PK	5.4336G	58.71	74.00	-15.29	3	Vertical	199	1.55
5580MHz	Pass	PK	5.4696G	58.79	68.20	-9.41	3	Vertical	199	1.55
5580MHz	Pass	PK	5.5728G	103.84	Inf	-Inf	3	Vertical	199	1.55
5580MHz	Pass	PK	5.7276G	59.14	68.20	-9.06	3	Vertical	199	1.55
5580MHz	Pass	AV	5.4594G	46.27	54.00	-7.73	3	Horizontal	324	1.20
5580MHz	Pass	AV	5.577G	100.41	Inf	-Inf	3	Horizontal	324	1.20
5580MHz	Pass	PK	5.4588G	58.80	74.00	-15.20	3	Horizontal	324	1.20
5580MHz	Pass	PK	5.4612G	58.58	68.20	-9.62	3	Horizontal	324	1.20
5580MHz	Pass	PK	5.5782G	111.78	Inf	-Inf	3	Horizontal	324	1.20
5580MHz	Pass	PK	5.7252G	58.20	68.20	-10.00	3	Horizontal	324	1.20
5580MHz	Pass	AV	11.1588G	49.52	54.00	-4.48	3	Vertical	278	2.22

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5580MHz	Pass	PK	11.16678G	62.61	74.00	-11.39	3	Vertical	278	2.22
5580MHz	Pass	AV	11.15976G	45.30	54.00	-8.70	3	Horizontal	301	1.20
5580MHz	Pass	PK	11.16048G	57.50	74.00	-16.50	3	Horizontal	301	1.20
5700MHz	Pass	AV	5.7076G	92.98	Inf	-Inf	3	Vertical	228	1.53
5700MHz	Pass	PK	5.702G	104.03	Inf	-Inf	3	Vertical	228	1.53
5700MHz	Pass	PK	5.7252G	62.57	68.20	-5.63	3	Vertical	228	1.53
5700MHz	Pass	AV	5.7024G	99.62	Inf	-Inf	3	Horizontal	320	1.16
5700MHz	Pass	PK	5.7072G	111.37	Inf	-Inf	3	Horizontal	320	1.16
5700MHz	Pass	PK	5.7252G	67.54	68.20	-0.66	3	Horizontal	320	1.16
5700MHz	Pass	AV	11.39994G	47.67	54.00	-6.33	3	Vertical	276	2.12
5700MHz	Pass	PK	11.40636G	59.71	74.00	-14.29	3	Vertical	276	2.12
5700MHz	Pass	AV	11.39988G	44.22	54.00	-9.78	3	Horizontal	166	1.33
5700MHz	Pass	PK	11.40786G	56.32	74.00	-17.68	3	Horizontal	166	1.33
5745MHz	Pass	AV	5.4582G	46.18	54.00	-7.82	3	Vertical	226	1.24
5745MHz	Pass	AV	5.7426G	95.69	Inf	-Inf	3	Vertical	226	1.24
5745MHz	Pass	PK	5.4738G	59.12	68.20	-9.08	3	Vertical	226	1.24
5745MHz	Pass	PK	5.7462G	106.88	Inf	-Inf	3	Vertical	226	1.24
5745MHz	Pass	PK	6.0234G	59.72	68.20	-8.48	3	Vertical	226	1.24
5745MHz	Pass	AV	5.457G	46.28	54.00	-7.72	3	Horizontal	260	2.04
5745MHz	Pass	AV	5.7474G	103.62	Inf	-Inf	3	Horizontal	260	2.04
5745MHz	Pass	PK	5.499G	59.02	68.20	-9.18	3	Horizontal	260	2.04
5745MHz	Pass	PK	5.7486G	114.69	Inf	-Inf	3	Horizontal	260	2.04
5745MHz	Pass	PK	5.9286G	60.60	68.20	-7.60	3	Horizontal	260	2.04
5745MHz	Pass	AV	11.49126G	47.85	54.00	-6.15	3	Vertical	277	2.13
5745MHz	Pass	PK	11.48778G	60.08	74.00	-13.92	3	Vertical	277	2.13
5745MHz	Pass	AV	11.49456G	44.87	54.00	-9.13	3	Horizontal	315	1.19
5745MHz	Pass	PK	11.48862G	57.65	74.00	-16.35	3	Horizontal	315	1.19
5785MHz	Pass	AV	5.7778G	95.49	Inf	-Inf	3	Vertical	227	1.32
5785MHz	Pass	PK	5.6014G	58.66	68.20	-9.54	3	Vertical	227	1.32
5785MHz	Pass	PK	5.7826G	106.70	Inf	-Inf	3	Vertical	227	1.32
5785MHz	Pass	PK	6.0598G	59.91	68.20	-8.29	3	Vertical	227	1.32
5785MHz	Pass	AV	5.7778G	102.58	Inf	-Inf	3	Horizontal	260	1.92
5785MHz	Pass	PK	5.6266G	59.21	68.20	-8.99	3	Horizontal	260	1.92
5785MHz	Pass	PK	5.7886G	114.12	Inf	-Inf	3	Horizontal	260	1.92
5785MHz	Pass	PK	5.977G	60.09	68.20	-8.11	3	Horizontal	260	1.92
5785MHz	Pass	AV	11.56892G	48.64	54.00	-5.36	3	Vertical	269	3.00
5785MHz	Pass	PK	11.57114G	61.27	74.00	-12.73	3	Vertical	269	3.00
5785MHz	Pass	AV	11.56886G	44.52	54.00	-9.48	3	Horizontal	310	1.18
5785MHz	Pass	PK	11.56592G	56.82	74.00	-17.18	3	Horizontal	310	1.18
5825MHz	Pass	AV	5.8178G	93.72	Inf	-Inf	3	Vertical	226	1.31
5825MHz	Pass	PK	5.5718G	59.10	68.20	-9.10	3	Vertical	226	1.31
5825MHz	Pass	PK	5.8274G	105.15	Inf	-Inf	3	Vertical	226	1.31
5825MHz	Pass	PK	6.041G	60.39	68.20	-7.81	3	Vertical	226	1.31
5825MHz	Pass	AV	5.8178G	101.57	Inf	-Inf	3	Horizontal	263	2.06
5825MHz	Pass	PK	5.5358G	58.91	68.20	-9.29	3	Horizontal	263	2.06
5825MHz	Pass	PK	5.8178G	112.06	Inf	-Inf	3	Horizontal	263	2.06
5825MHz	Pass	PK	5.9318G	60.36	68.20	-7.84	3	Horizontal	263	2.06
5825MHz	Pass	AV	11.6632G	43.54	54.00	-10.46	3	Vertical	249	1.67
5825MHz	Pass	PK	11.63746G	55.91	74.00	-18.09	3	Vertical	249	1.67
5825MHz	Pass	AV	11.64862G	43.51	54.00	-10.49	3	Horizontal	339	1.47
5825MHz	Pass	PK	11.64478G	55.76	74.00	-18.24	3	Horizontal	339	1.47

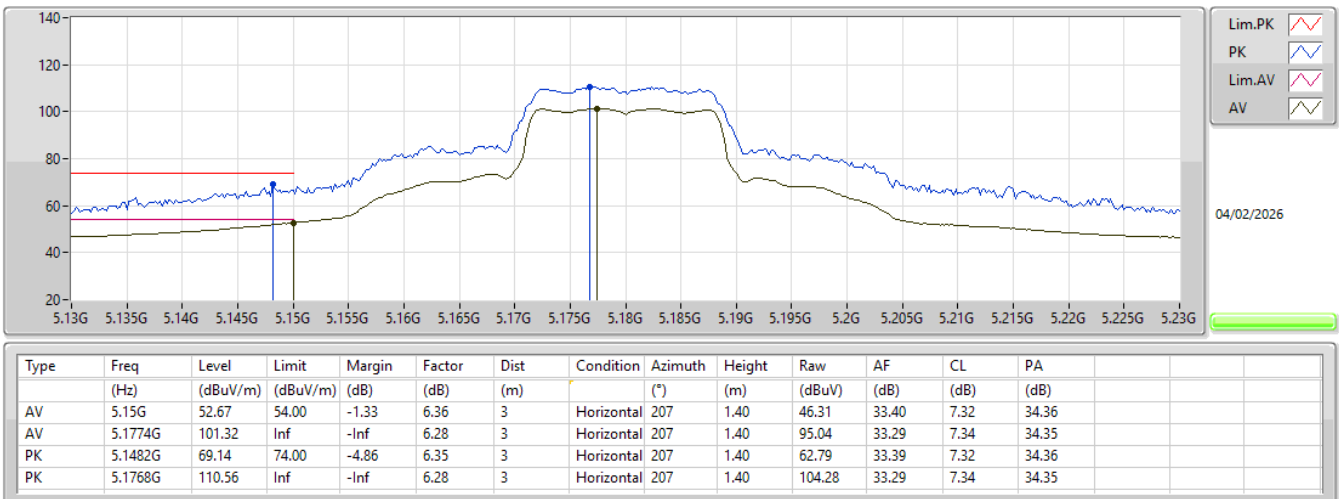
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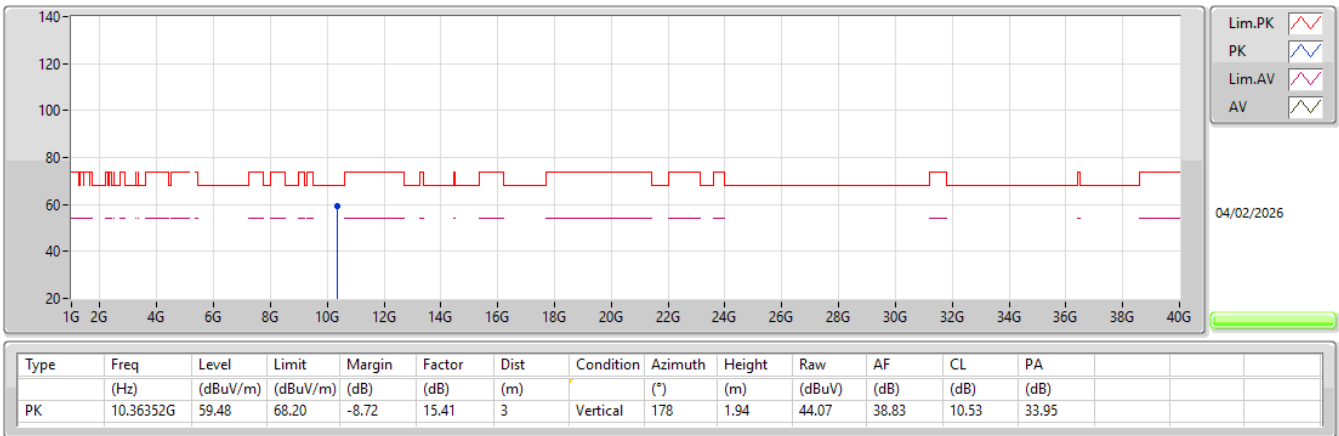
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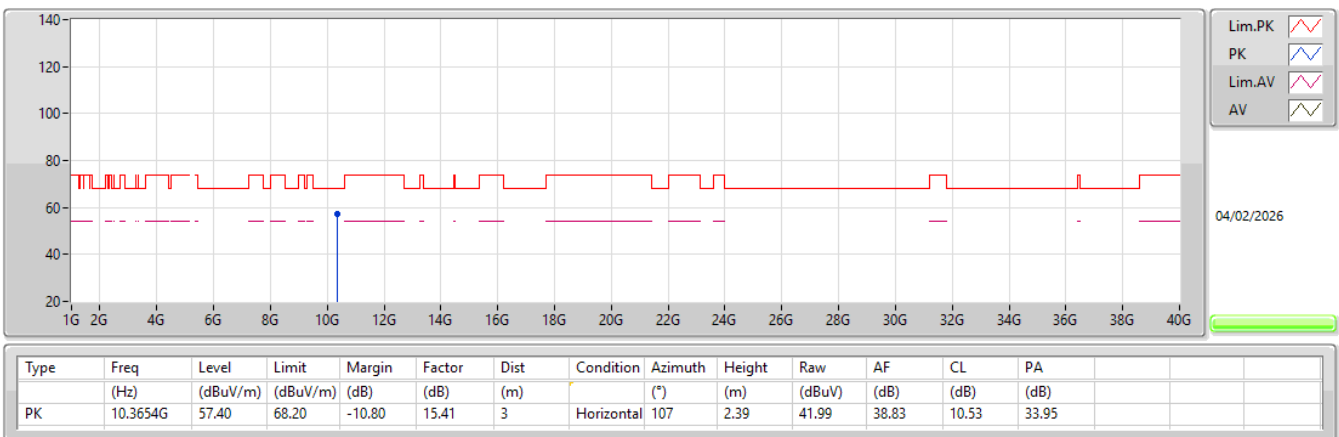
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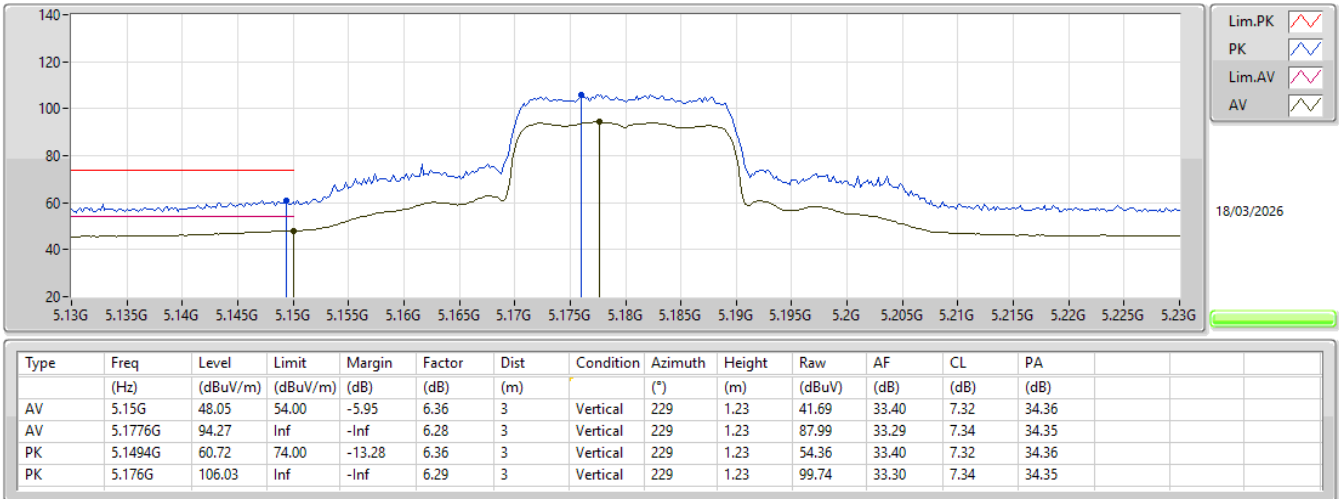
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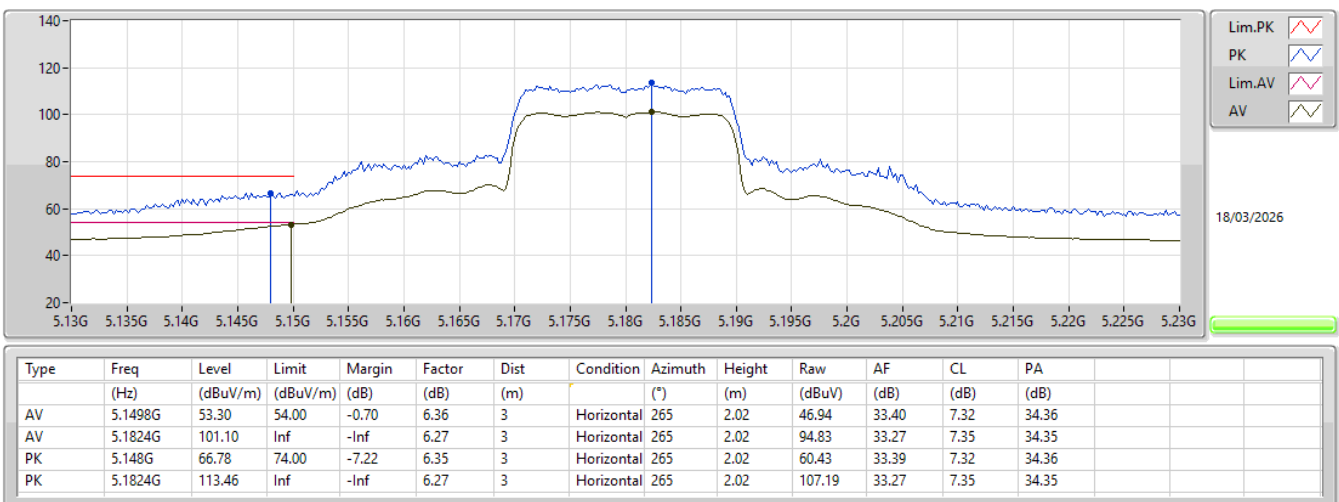
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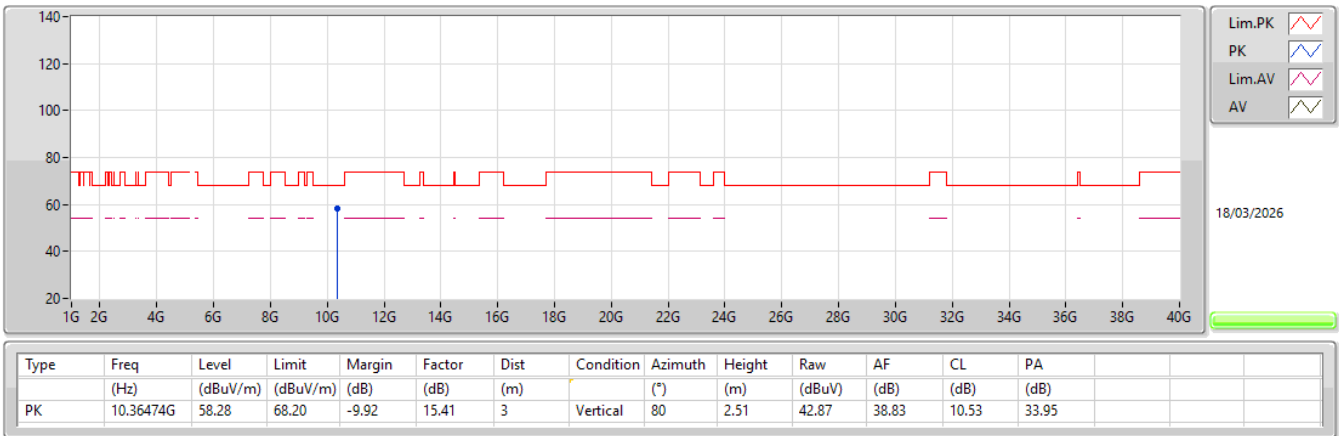
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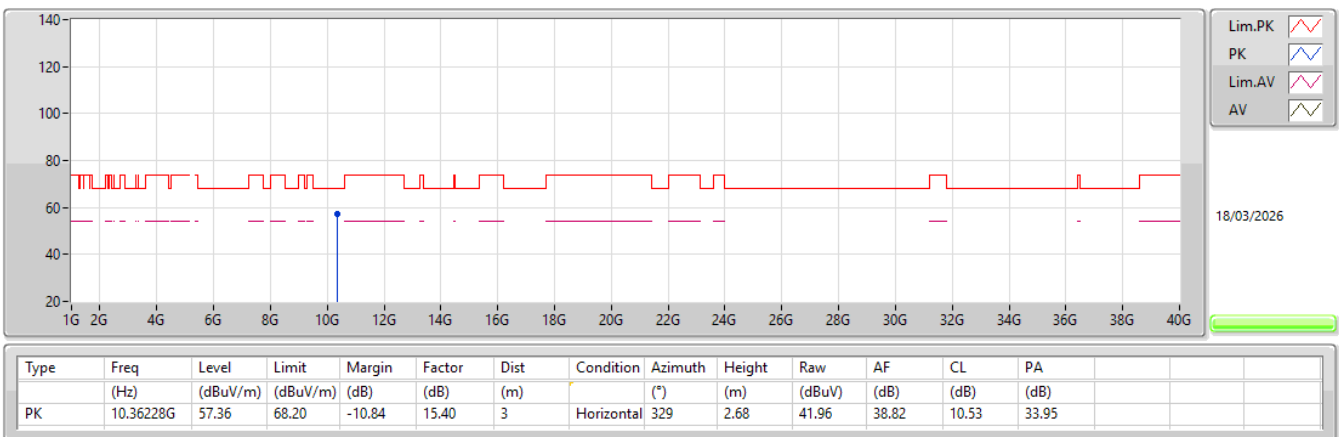
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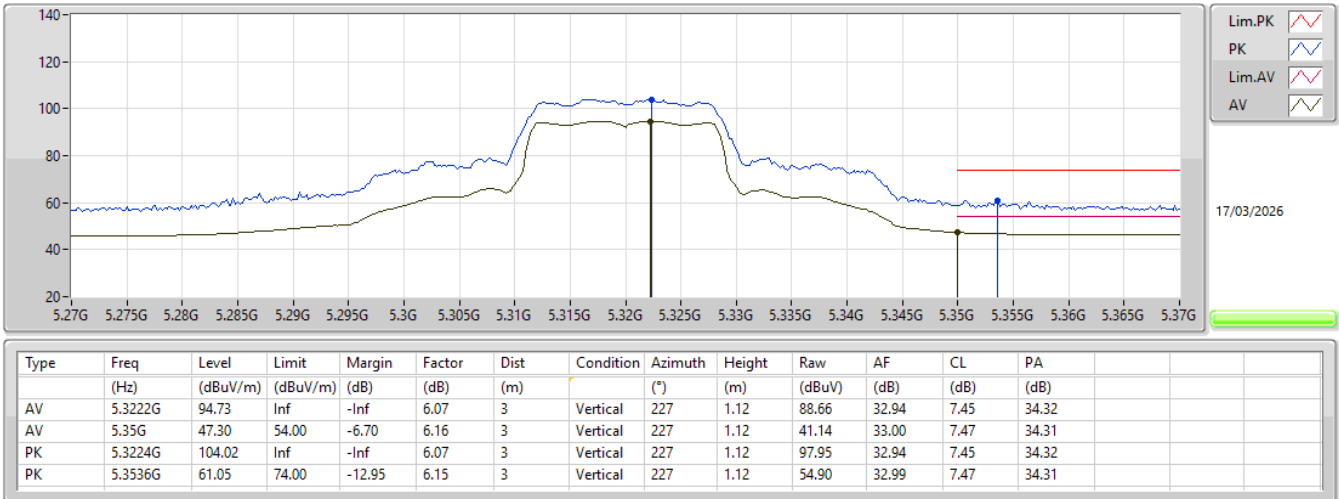
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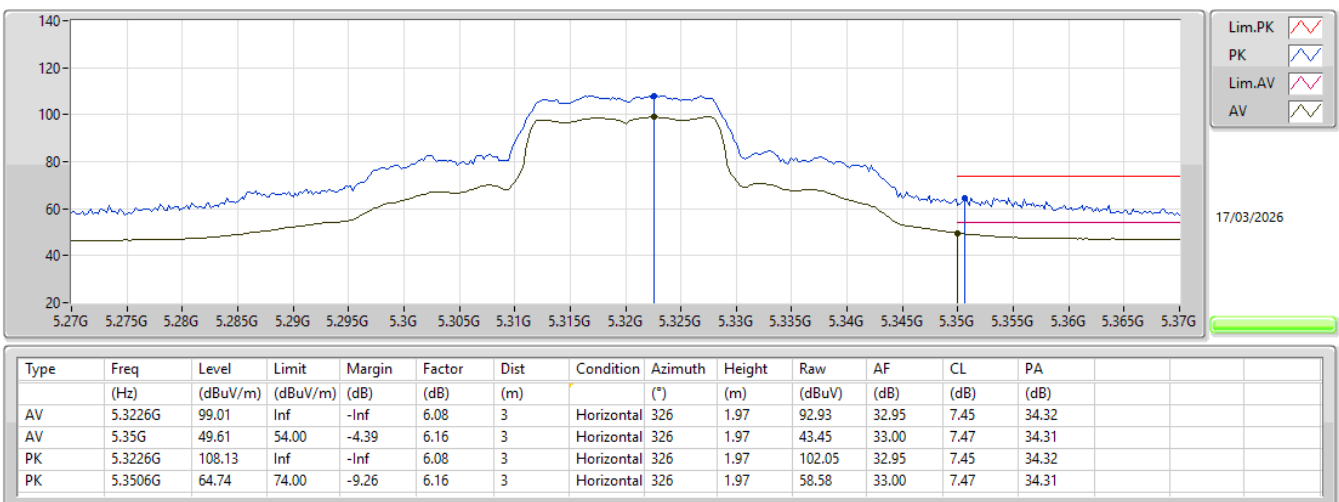
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5320MHz_TX



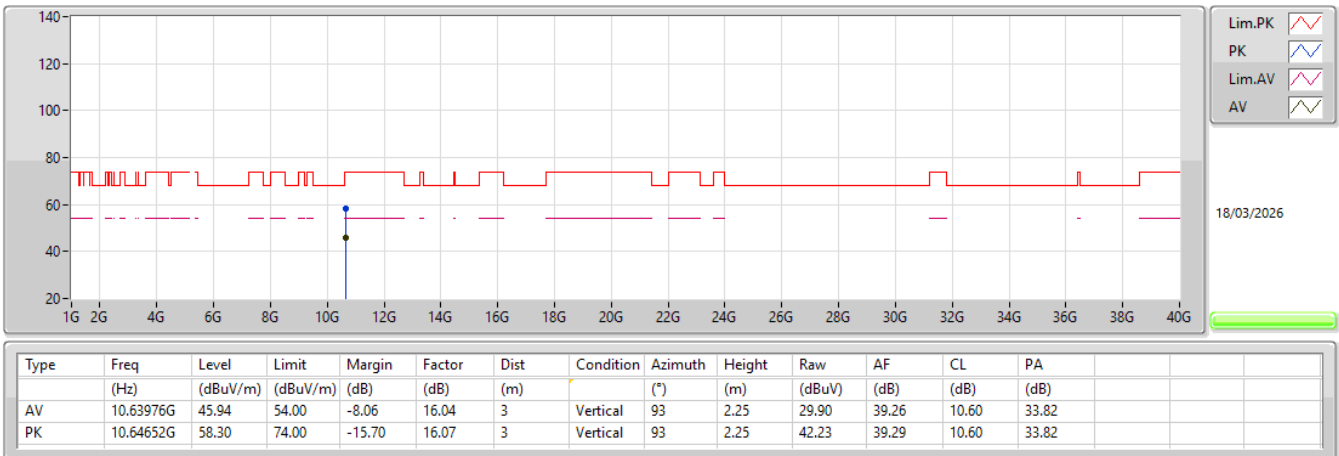
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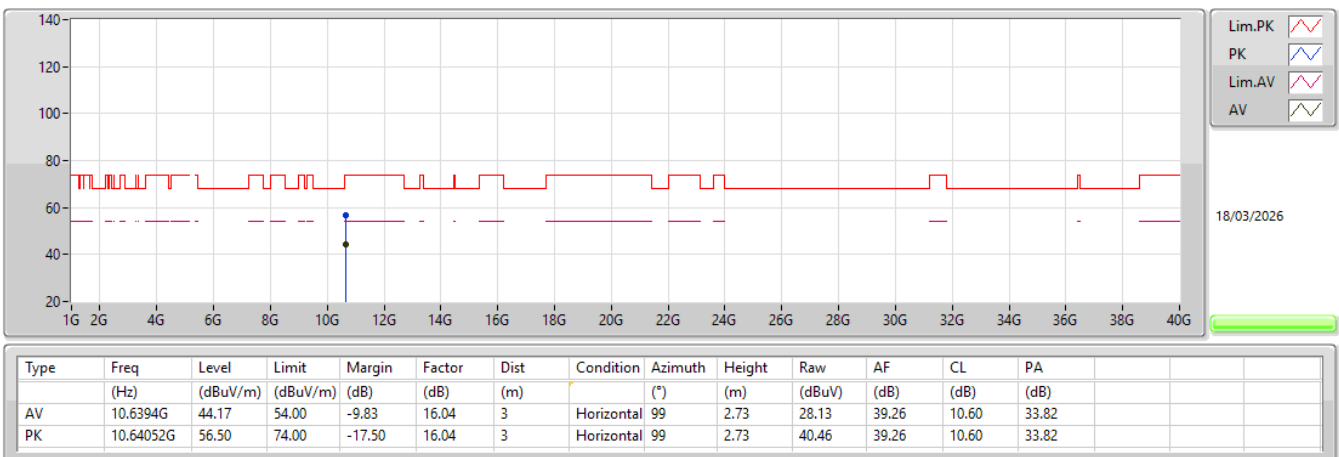
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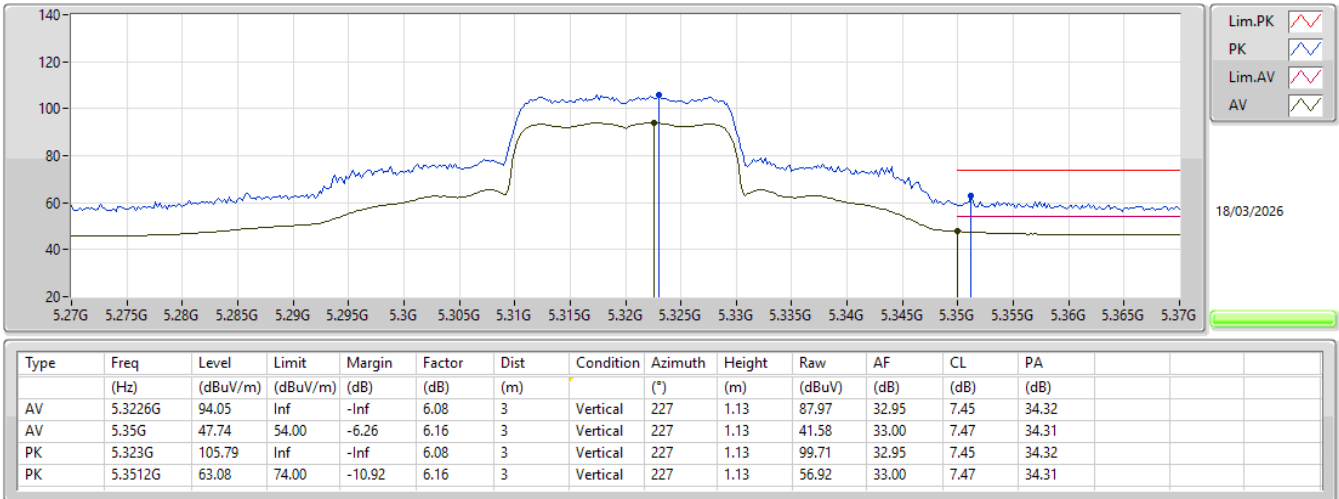
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5320MHz_TX



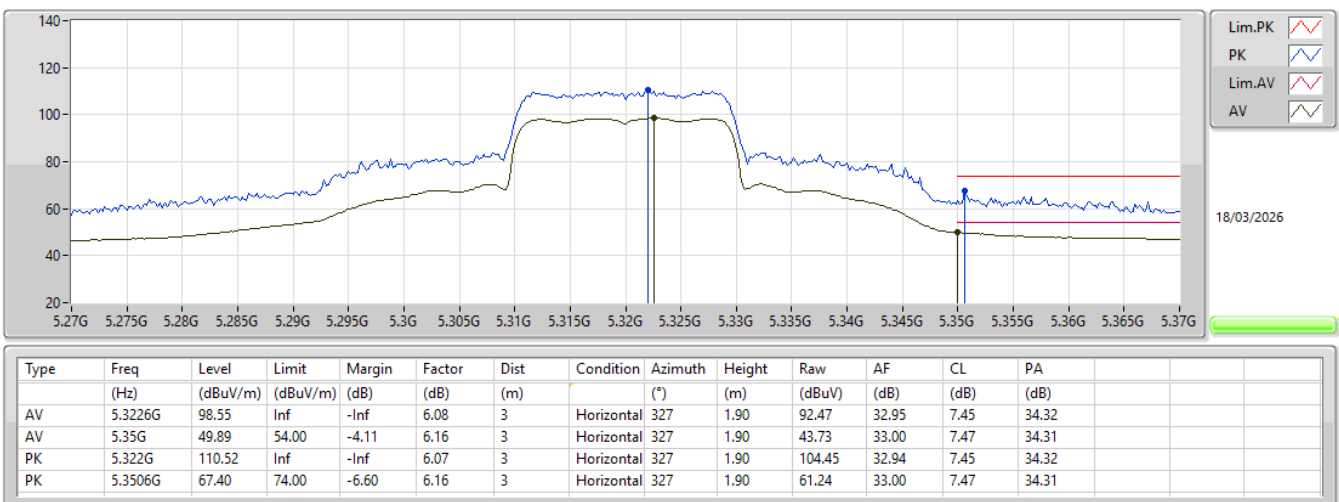
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

5320MHz_TX



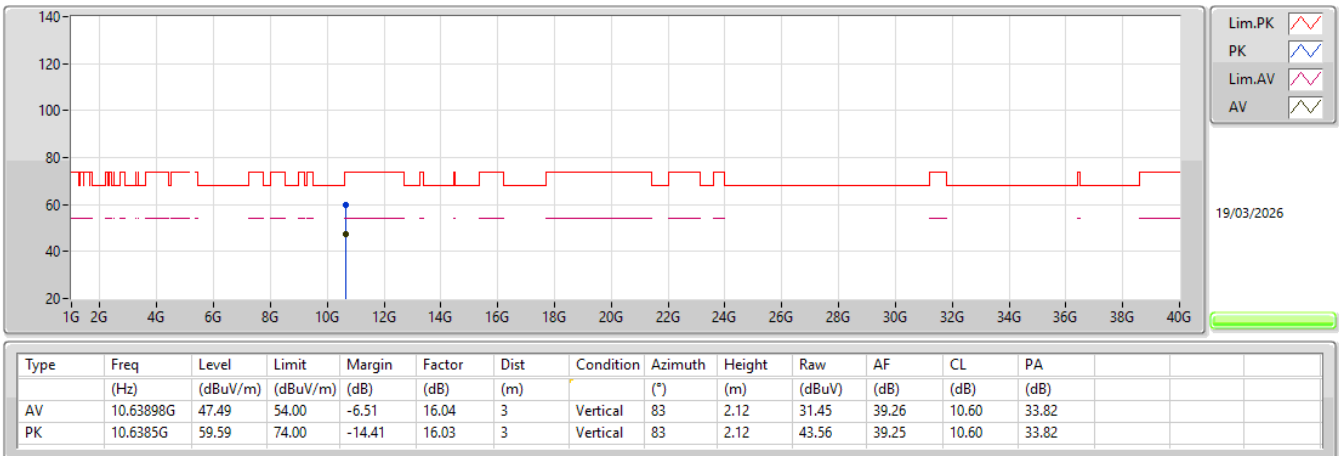
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

5320MHz_TX



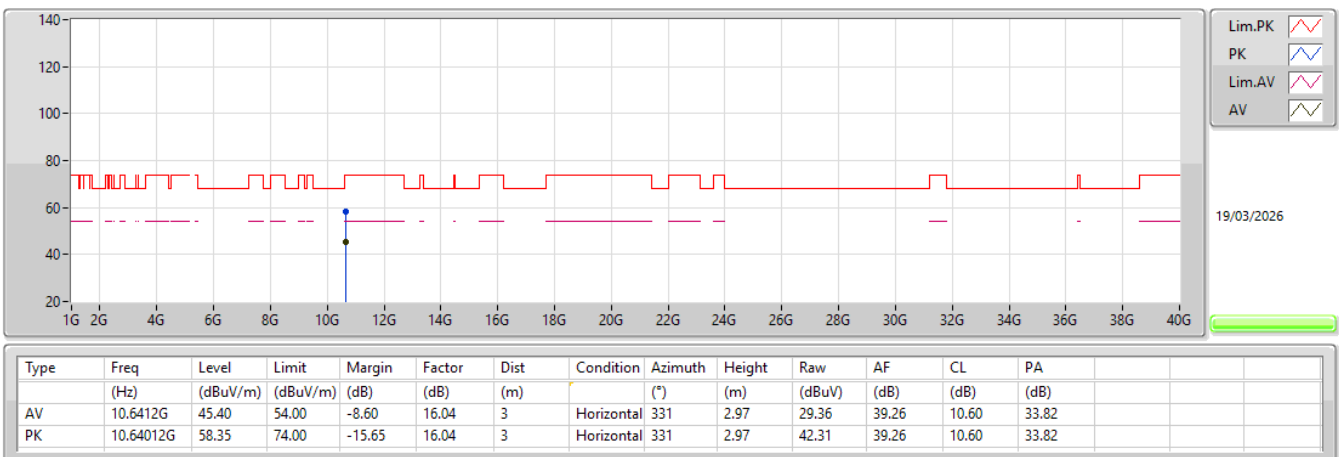
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

5320MHz_TX



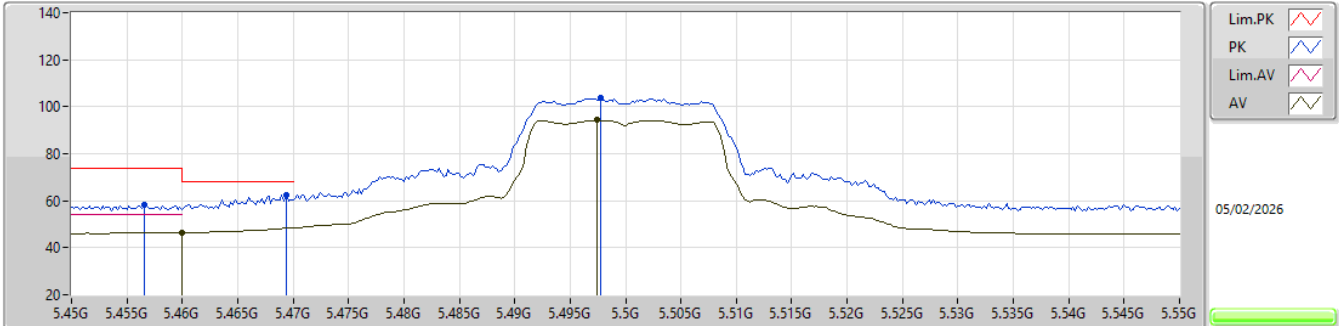
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

5320MHz_TX



5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

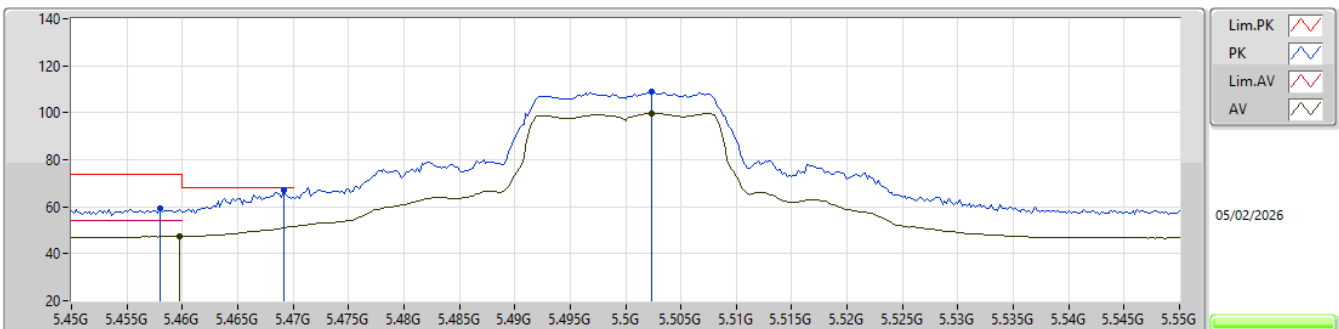
5500MHz_TX



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	46.41	54.00	-7.59	6.24	3	Vertical	127	1.43	40.17	33.00	7.53	34.29
AV	5.4974G	94.23	Inf	-Inf	6.27	3	Vertical	127	1.43	87.96	33.00	7.55	34.28
PK	5.4566G	58.39	74.00	-15.61	6.24	3	Vertical	127	1.43	52.15	33.00	7.53	34.29
PK	5.4694G	62.49	68.20	-5.71	6.24	3	Vertical	127	1.43	56.25	33.00	7.53	34.29
PK	5.4978G	103.54	Inf	-Inf	6.27	3	Vertical	127	1.43	97.27	33.00	7.55	34.28

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

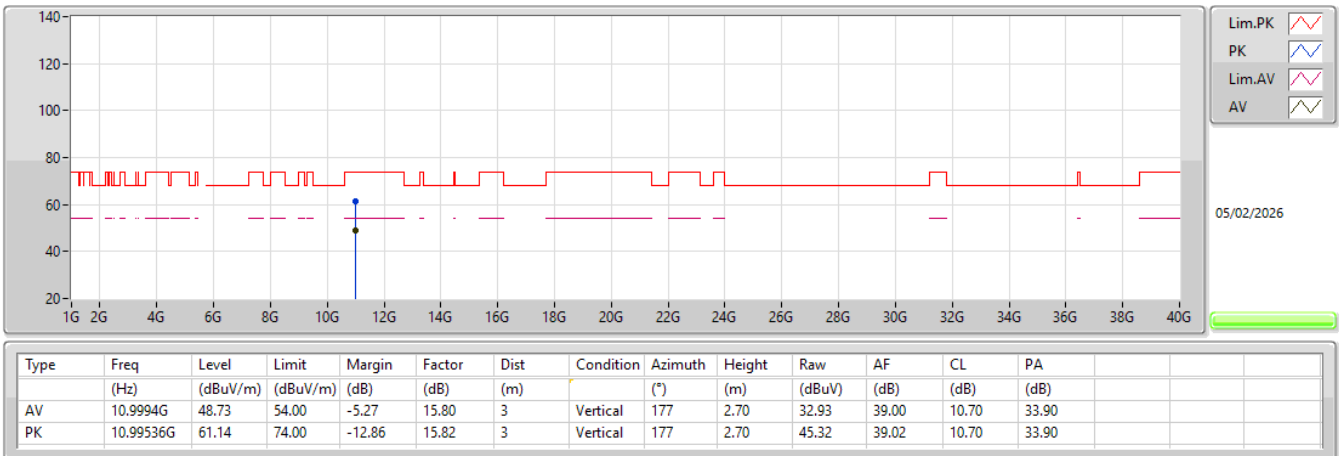
5500MHz_TX



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	5.4598G	47.42	54.00	-6.58	6.24	3	Horizontal	203	1.48	41.18	33.00	7.53	34.29
AV	5.5024G	99.65	Inf	-Inf	6.27	3	Horizontal	203	1.48	93.38	33.00	7.55	34.28
PK	5.458G	59.28	74.00	-14.72	6.24	3	Horizontal	203	1.48	53.04	33.00	7.53	34.29
PK	5.4692G	66.91	68.20	-1.29	6.24	3	Horizontal	203	1.48	60.67	33.00	7.53	34.29
PK	5.5024G	109.02	Inf	-Inf	6.27	3	Horizontal	203	1.48	102.75	33.00	7.55	34.28

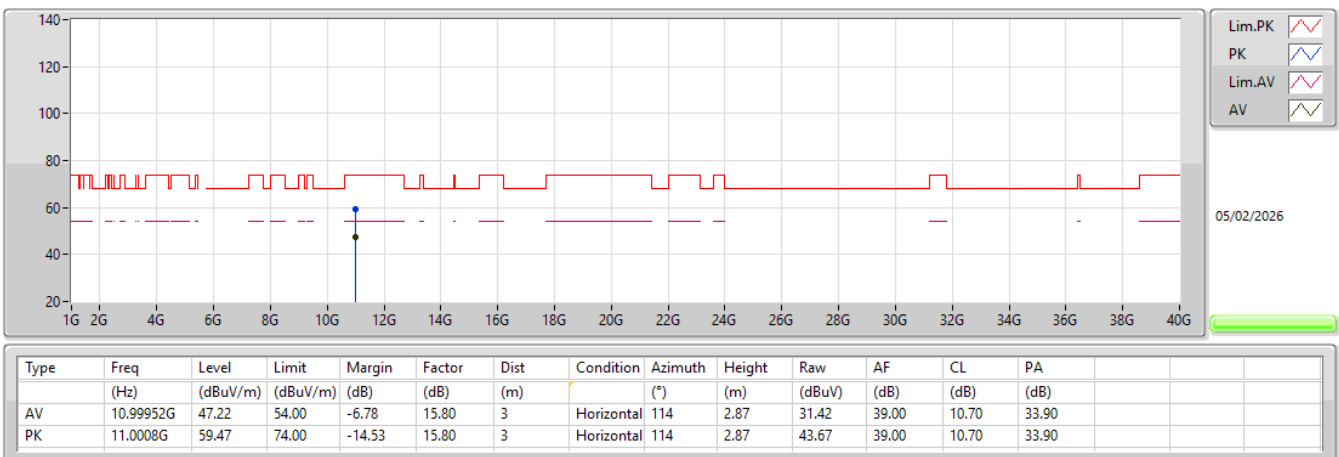
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX



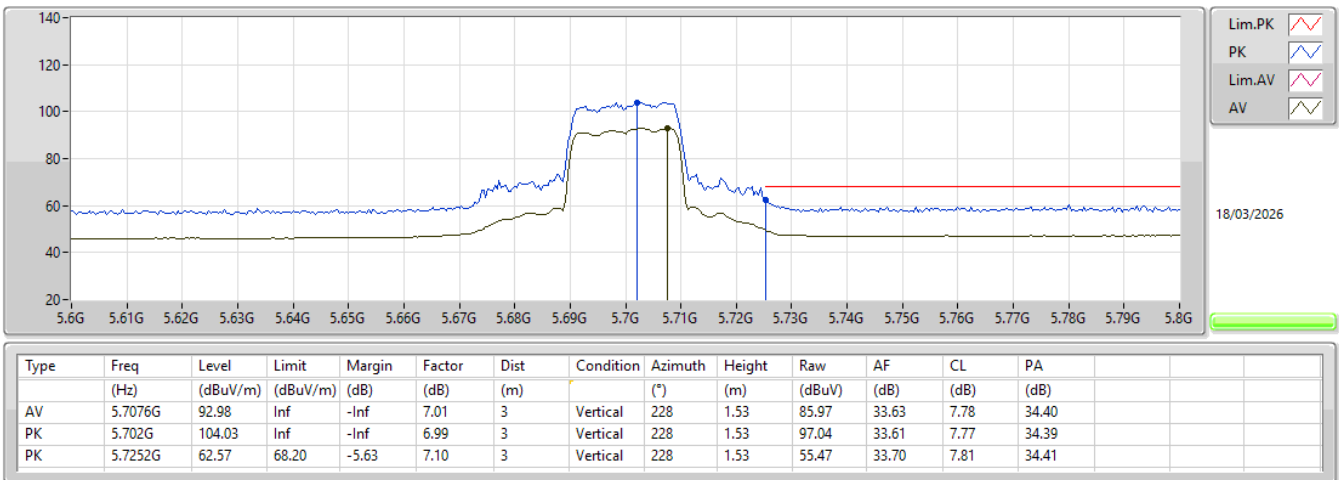
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5500MHz_TX



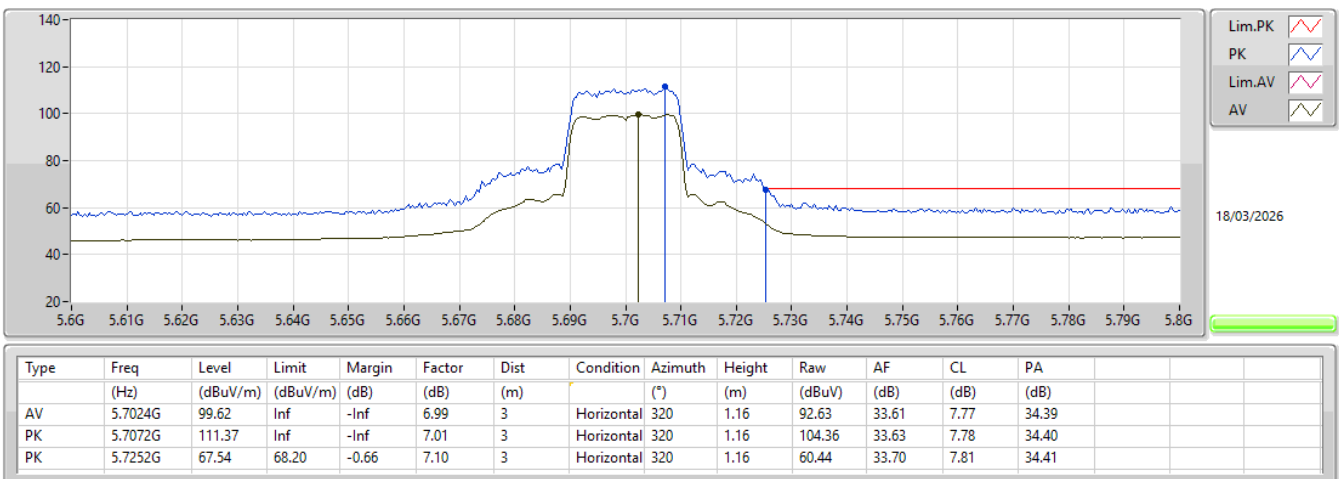
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

5700MHz_TX



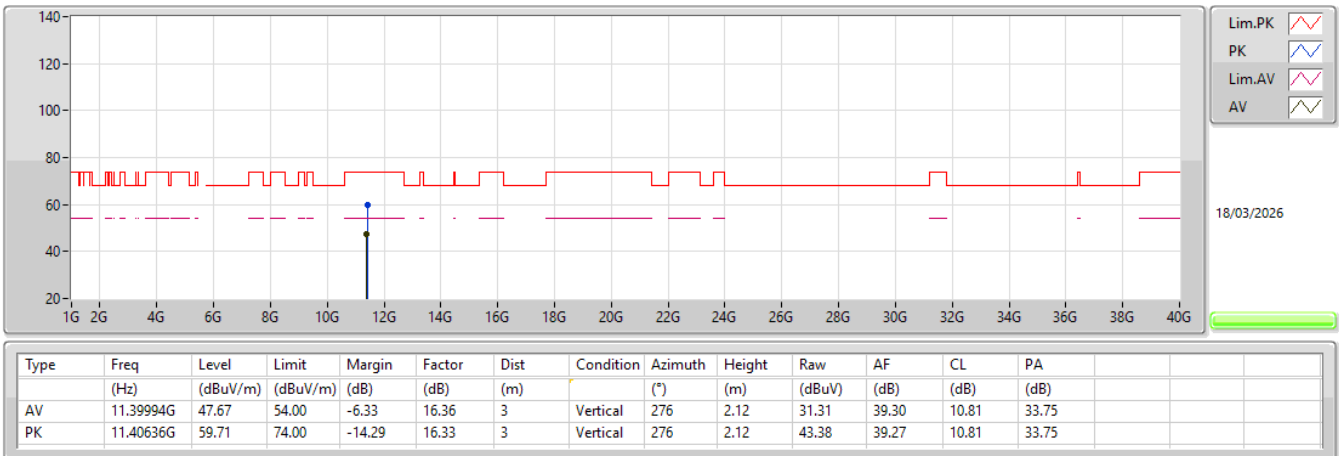
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5700MHz_TX



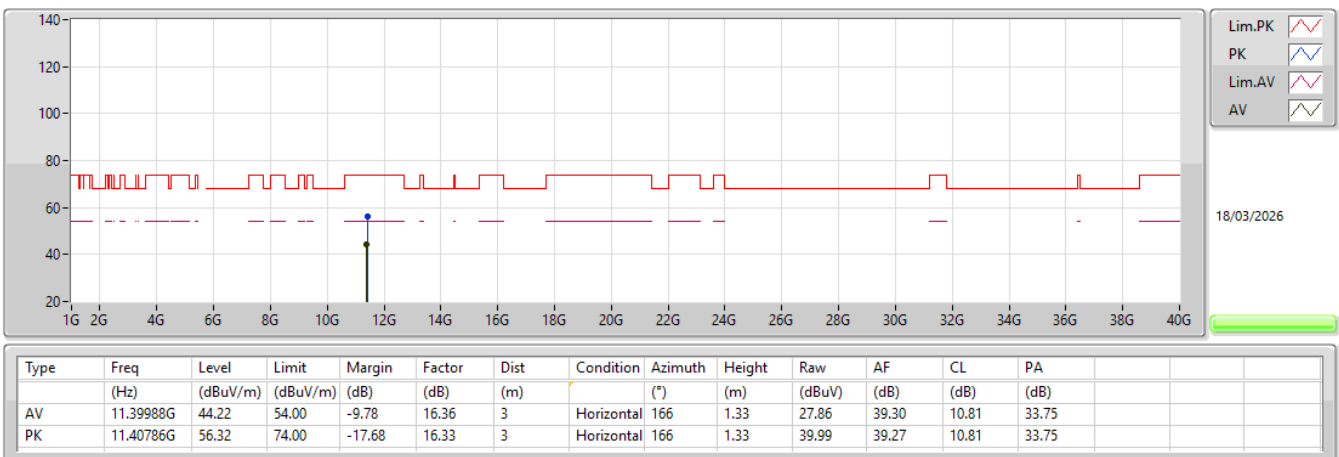
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5700MHz_TX



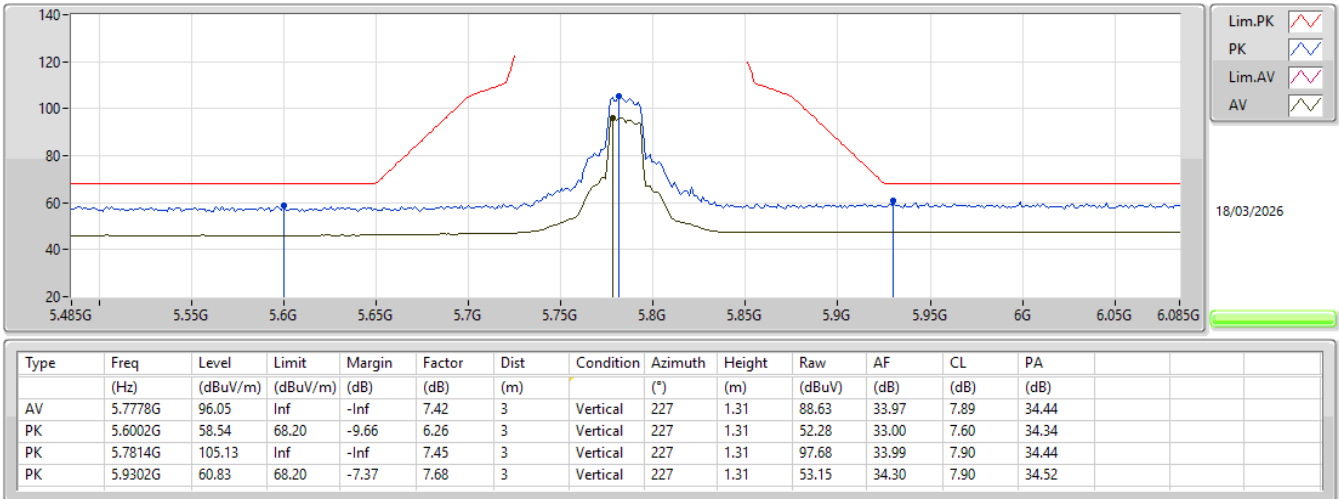
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5700MHz_TX



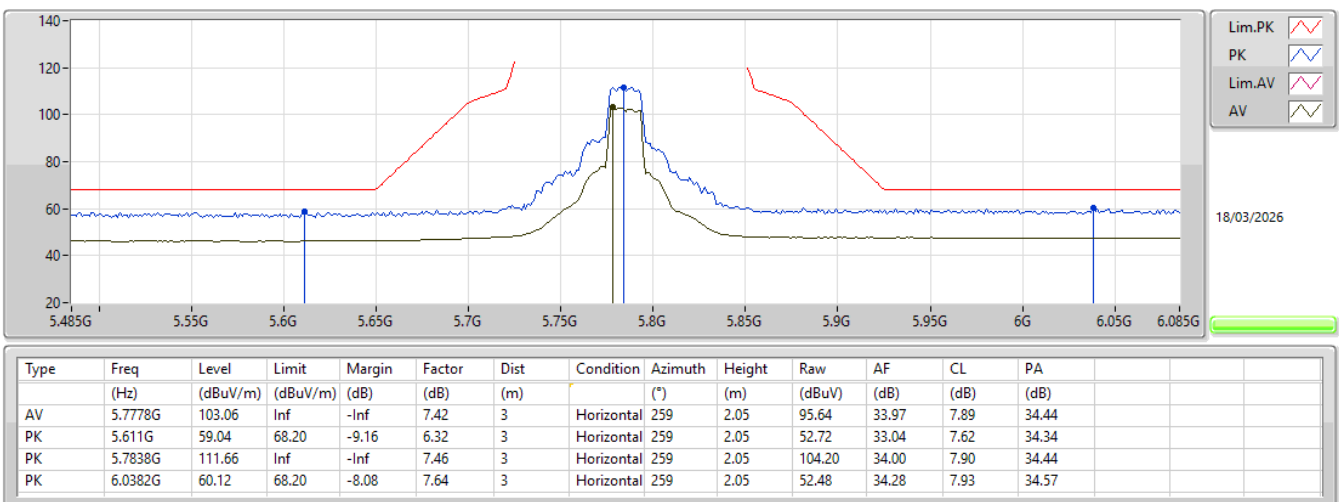
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX



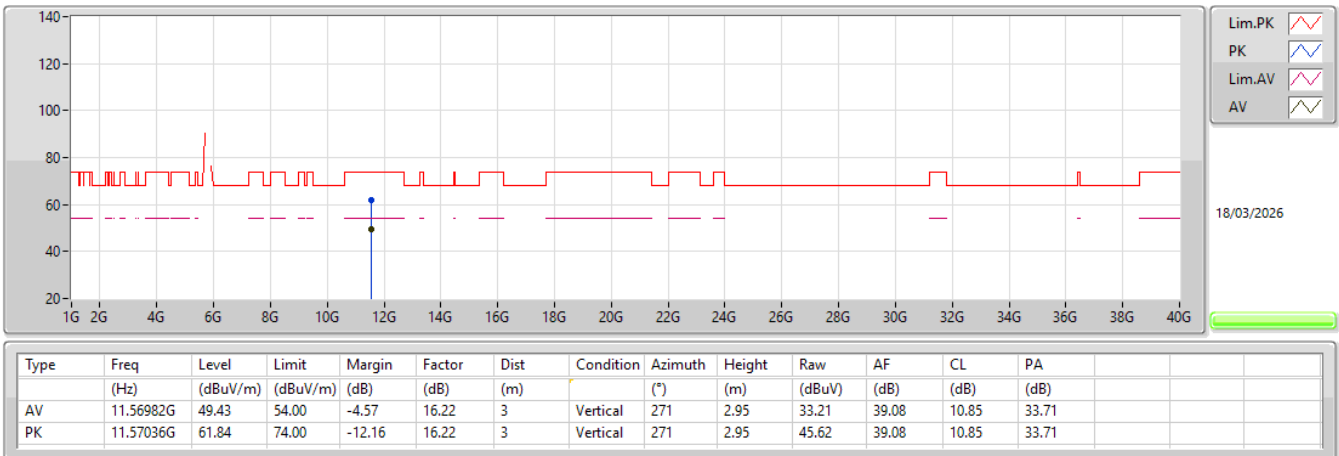
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX



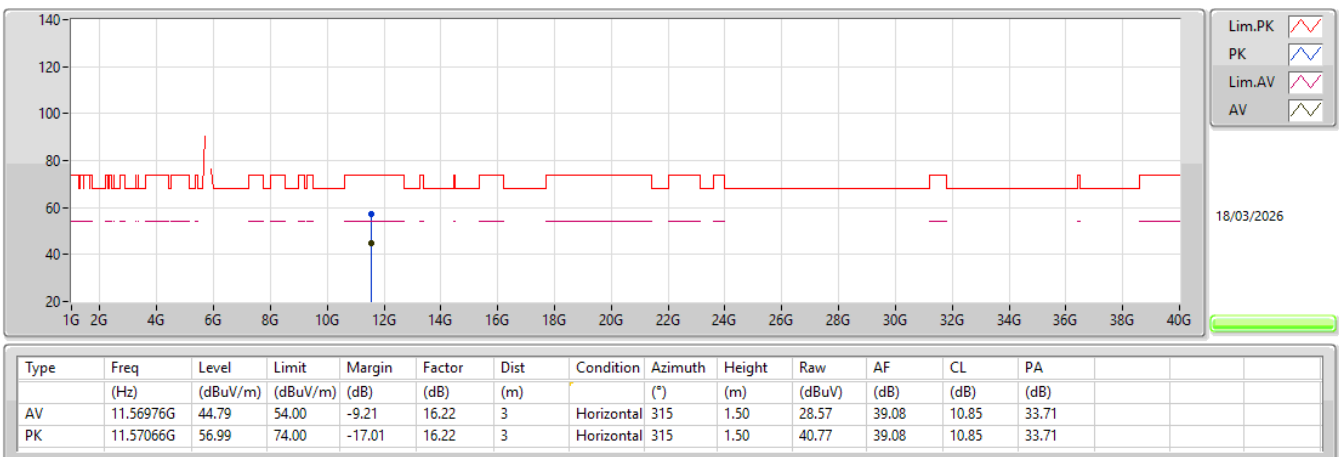
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX



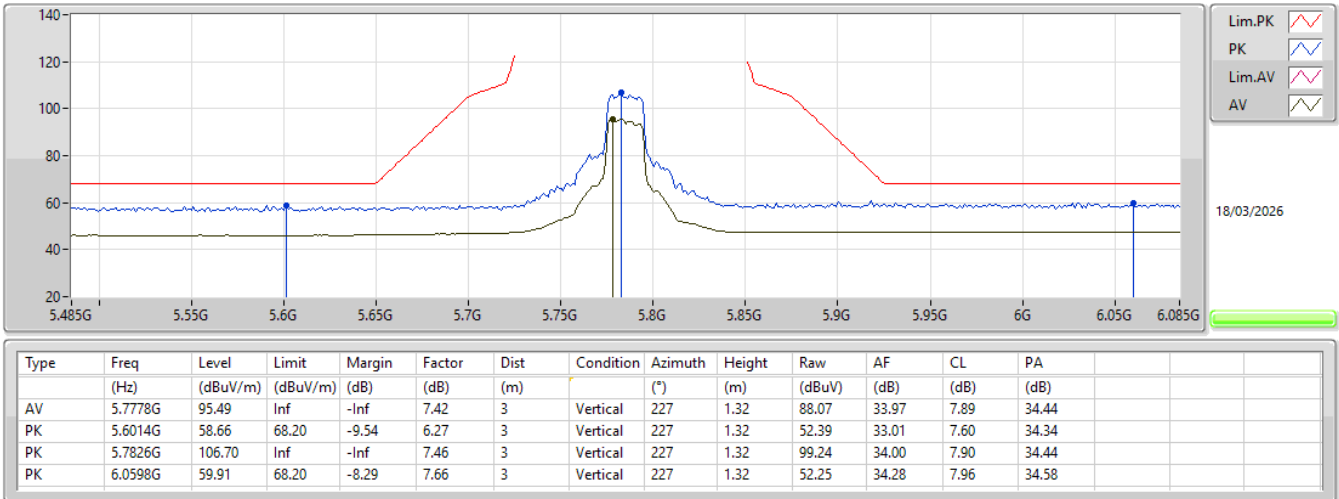
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX



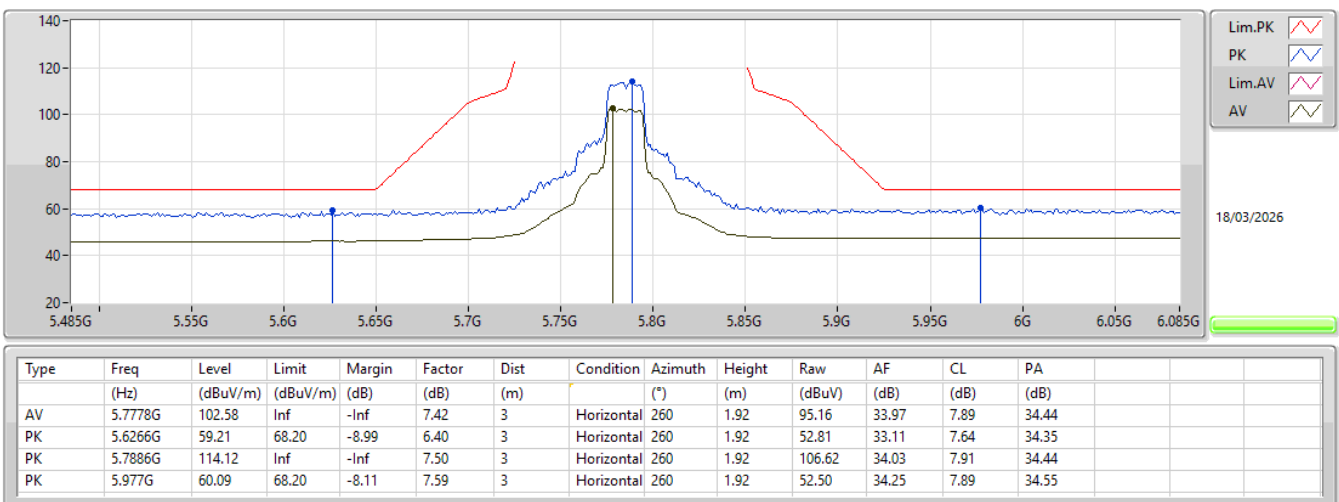
5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

5785MHz_TX



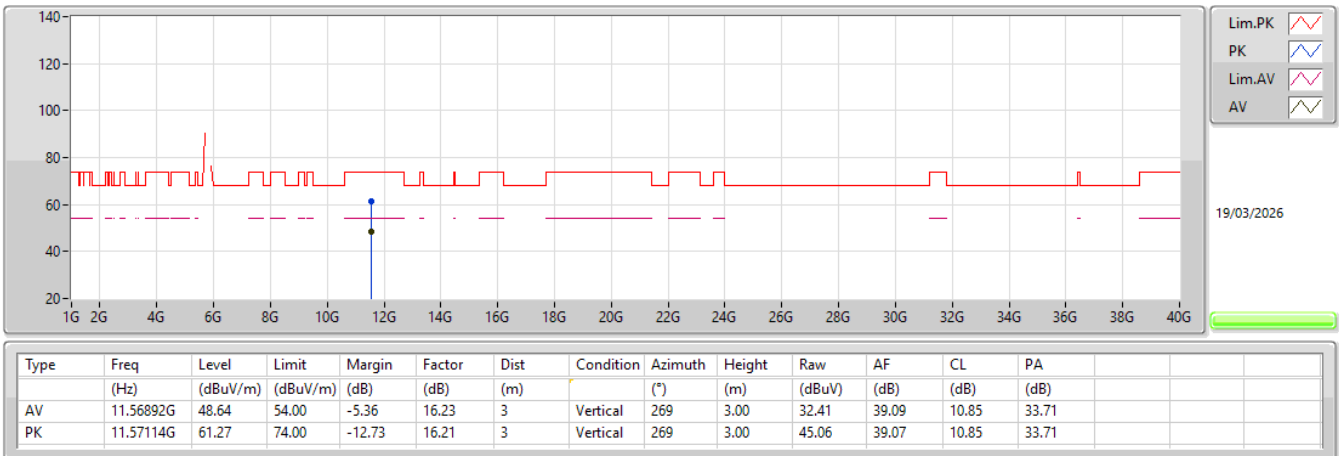
5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

5785MHz_TX



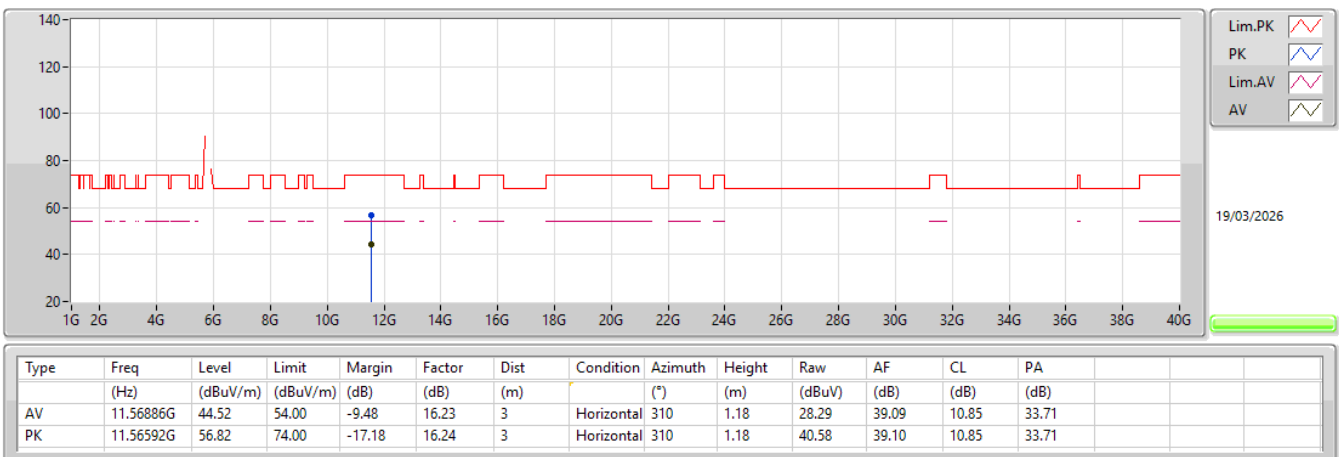
5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

5785MHz_TX



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

5785MHz_TX





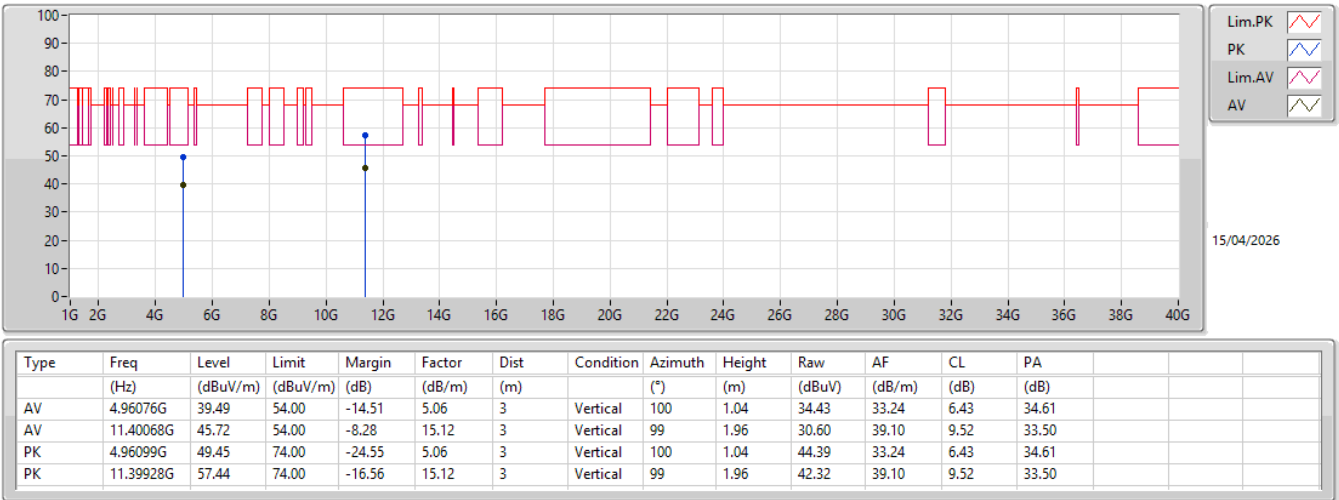
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	11.40068G	45.72	54.00	-8.28	Vertical
Mode 2	Pass	AV	11.39996G	46.08	54.00	-7.92	Vertical

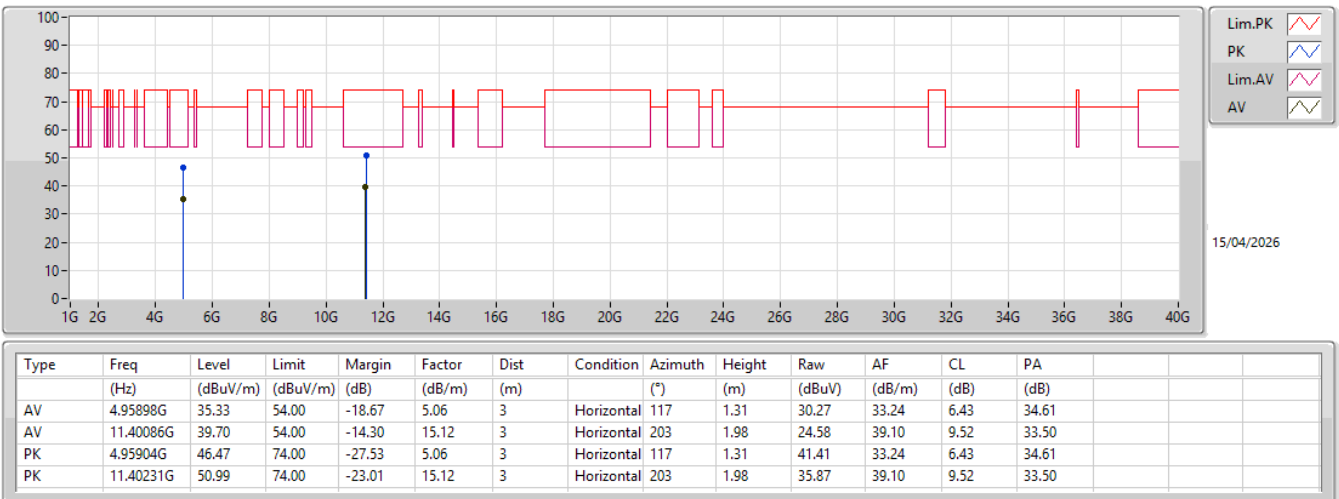
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	4.96076G	39.49	54.00	-14.51	3	Vertical	100	1.04
Mode 1	Pass	AV	11.40068G	45.72	54.00	-8.28	3	Vertical	99	1.96
Mode 1	Pass	PK	4.96099G	49.45	74.00	-24.55	3	Vertical	100	1.04
Mode 1	Pass	PK	11.39928G	57.44	74.00	-16.56	3	Vertical	99	1.96
Mode 1	Pass	AV	4.95898G	35.33	54.00	-18.67	3	Horizontal	117	1.31
Mode 1	Pass	AV	11.40086G	39.70	54.00	-14.30	3	Horizontal	203	1.98
Mode 1	Pass	PK	4.95904G	46.47	74.00	-27.53	3	Horizontal	117	1.31
Mode 1	Pass	PK	11.40231G	50.99	74.00	-23.01	3	Horizontal	203	1.98
Mode 2	Pass	AV	4.94898G	32.59	54.00	-21.41	3	Vertical	98	1.06
Mode 2	Pass	AV	11.39996G	46.08	54.00	-7.92	3	Vertical	84	2.83
Mode 2	Pass	PK	4.95065G	43.75	74.00	-30.25	3	Vertical	98	1.06
Mode 2	Pass	PK	11.40074G	57.65	74.00	-16.35	3	Vertical	84	2.83
Mode 2	Pass	AV	4.95085G	33.49	54.00	-20.51	3	Horizontal	96	2.05
Mode 2	Pass	AV	11.401G	40.00	54.00	-14.00	3	Horizontal	52	2.17
Mode 2	Pass	PK	4.94926G	44.69	74.00	-29.31	3	Horizontal	96	2.05
Mode 2	Pass	PK	11.39967G	51.94	74.00	-22.06	3	Horizontal	52	2.17

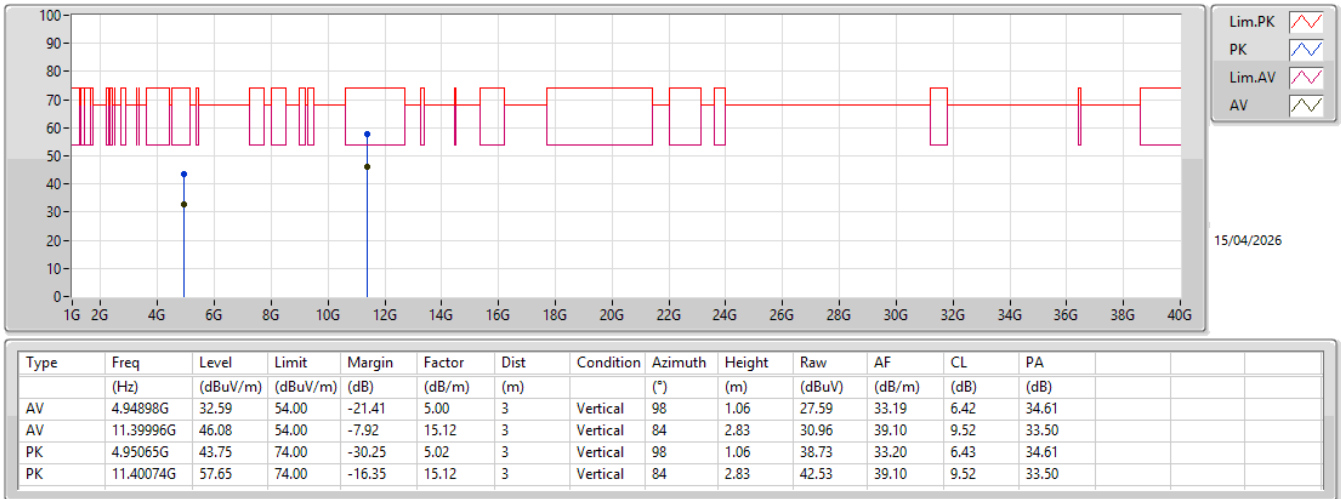
Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 2



Radiated Emissions above 1GHz_Mode 2

