

FCC Radio Test Report

FCC ID : 2ASJ3-ATSV625
Equipment : ATS6
Brand Name : AVIRON
Model Name : ATS6
Applicant : Aviron Interactive
265 Bartley Drive, North York, Ontario, M4A 2N7, Canada
Manufacturer : Qisda Corporation
157, Shan-Ying Road, Gueishan, Taoyuan 333, Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 14, 2025, and testing was started from Nov. 07, 2025 and completed on Nov. 25, 2025. 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

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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: Ben Tseng

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

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

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.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Evaluated VHT20/VHT40/VHT80 mode only due to the similar modulation. The power setting of HT20/HT40 mode are the same or lower than VHT20/VHT40/VHT80.

1.1.2 Antenna Information

Ant.	Brand Name	Model Name	Antenna Type	Connector	Support
1	INPAQ	WA-P-LB-02-1125	PCB	I-Pex	2.4G+5G+BT
2	INPAQ	WA-P-LB-01-350	PCB	I-Pex	2.4G+5G

Ant.	Port	Gain (dBi)			
		2.4G	5G		BT
			U-NII-1	U-NII-3	
1	1	3.72	4.15	4.67	3.72
2	2	3.44	3.54	4.12	-

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

For BT function:

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

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

Note 2: Directional gain information

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

**1.1.3 EUT Information**

Operational Condition				
EUT Power Type	From AC Adapter			
EUT Function	☐	Outdoor AP	☐	Indoor AP
	☐	Fixed P2P AP	☒	Client
Beamforming Function	☐	With beamforming	☒	Without beamforming
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)_2TX	0.992	0.03	2.064m	10Hz (DC>=0.98)
802.11ac VHT20_Nss1,(MCS0)_2TX	0.99	0.04	1.933m	10Hz (DC>=0.98)
802.11ac VHT40_Nss1,(MCS0)_2TX	0.711	1.48	52.5u	20k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.711	1.48	52.5u	20k

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 662911 D01 v02r01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.) TEL: 886-3-327-3456 FAX: 886-3-327-0973			
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Lego Lin	21.6~23.9°C / 55~60%	07/Nov/2025~19/Nov/2025
RF Conducted	TH01-HY	Sonic Li	23.1~23.4°C / 53~56%	12/Nov/2025~21/Nov/2025
Radiated	03CH03-HY	Simon Cheng	22.2~23.4°C / 50~52%	07/Nov/2025~19/Nov/2025
Radiated (Co-Location)	03CH03-HY	Simon Cheng	22.0~23.1°C / 50~53%	25/Nov/2025
☐ 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
AC Power-line Conducted Emissions	3.44 dB	Confidence levels of 95%
Conducted Output Power	1.48 dB	Confidence levels of 95%
Bandwidth	0.05 MHz	Confidence levels of 95%
Conducted Emission	1.48 dB	Confidence levels of 95%
Power Spectral Density	1.22 dB	Confidence levels of 95%
Radiated Emission (9 kHz ~ 30 MHz)	2.9 dB	Confidence levels of 95%
Radiated Emission (30 MHz ~ 1 GHz)	5.64 dB	Confidence levels of 95%
Radiated Emission (1 GHz ~ 18 GHz)	5.02 dB	Confidence levels of 95%
Radiated Emission (18 GHz ~ 40 GHz)	5.28 dB	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Dos6.1
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Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	13
5200MHz	16
5240MHz	18
5745MHz	21
5785MHz	21
5825MHz	21
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	15
5200MHz	16
5240MHz	18
5745MHz	21
5785MHz	21
5825MHz	21
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	9
5230MHz	14
5755MHz	17
5795MHz	18
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	9
5775MHz	13

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Adapter Mode (12V)

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Unwanted Emissions		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter Mode (12V)		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V		

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 5GHz+Bluetooth
Refer to Sporton Test Report No.: FA501401 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	

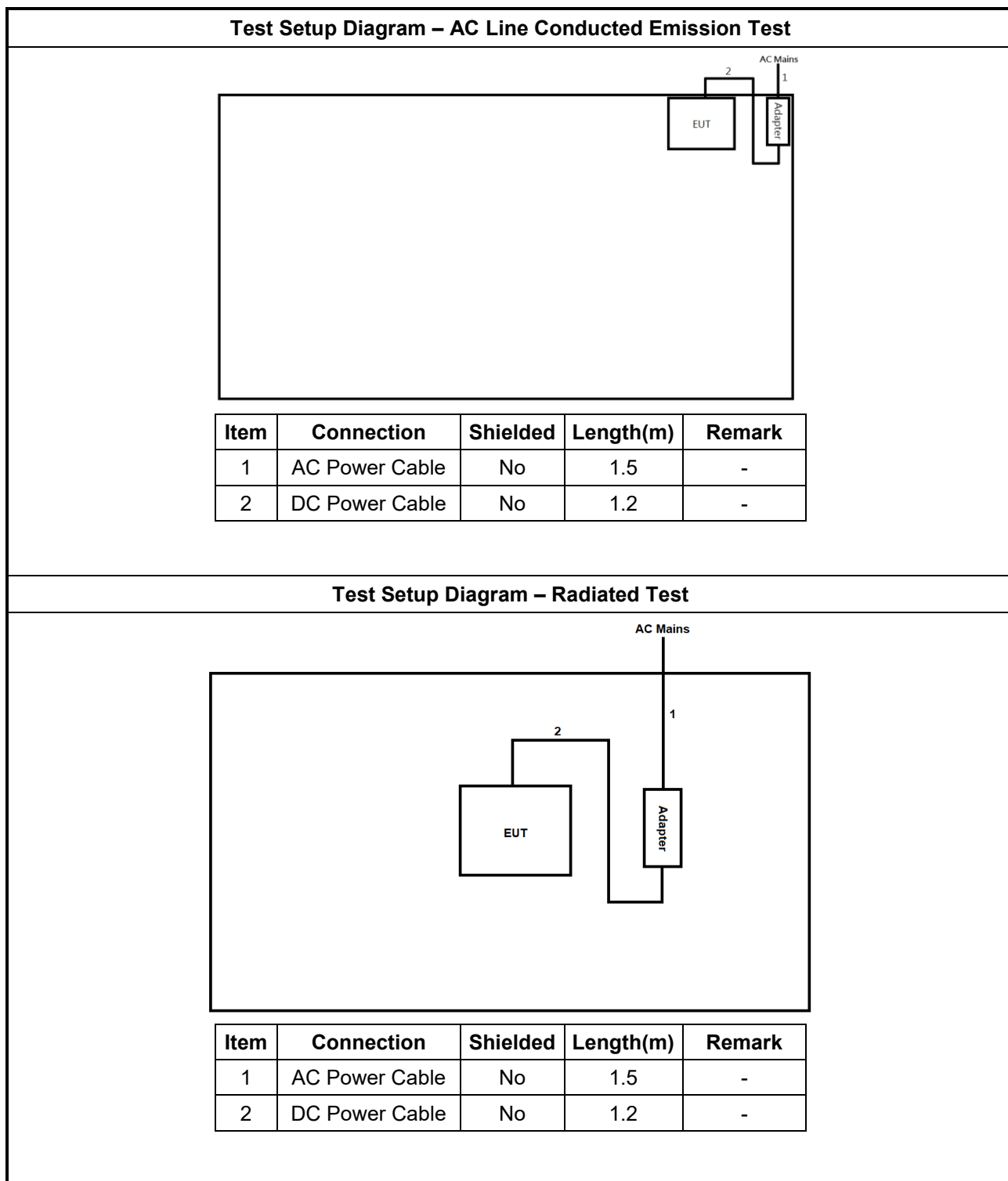
2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	GVE	GM60-120500-F	-	Provided by Customer
2	AC Power Cable	Power sync	PW-GNB150	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	12V Adapter	GVE	GM60-120500-F	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	GVE	GM60-120500-F	-	Provided by Customer
2	AC Power Cable	Power sync	PW-GNB150	-	-

2.4 Test Setup Diagram



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

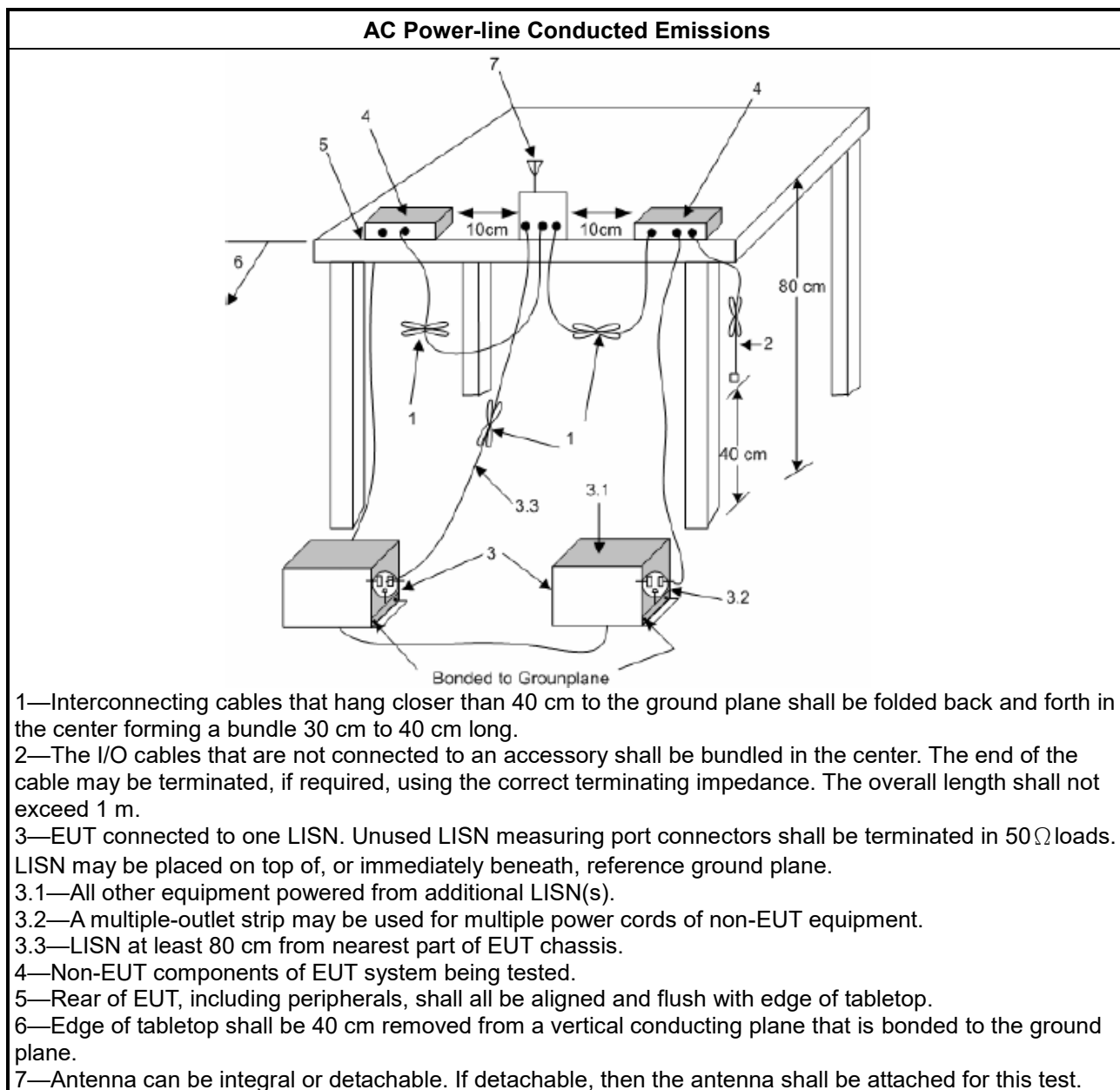
Test Method
☒ Refer as ANSI C63.10, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

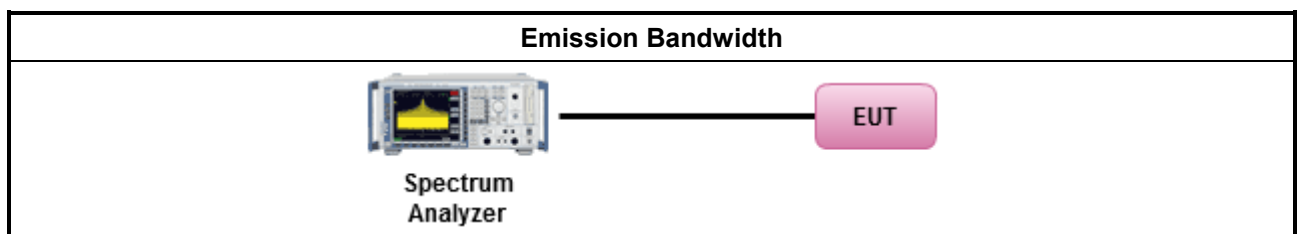
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

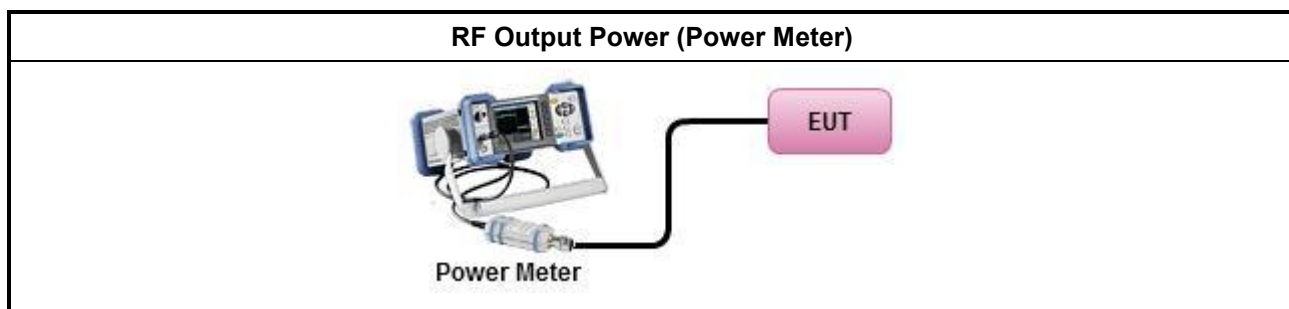
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

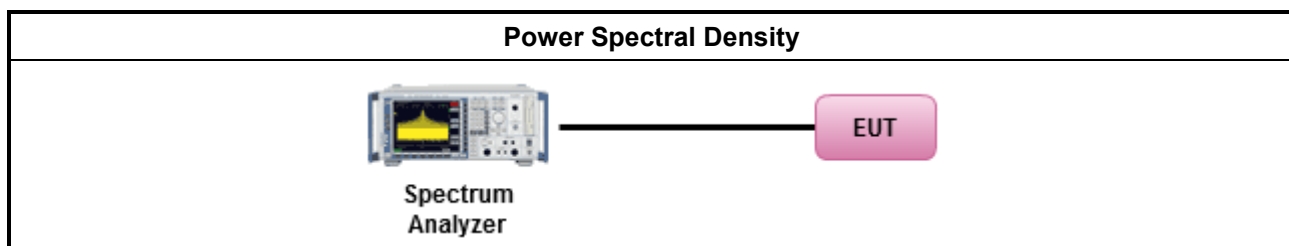
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

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

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

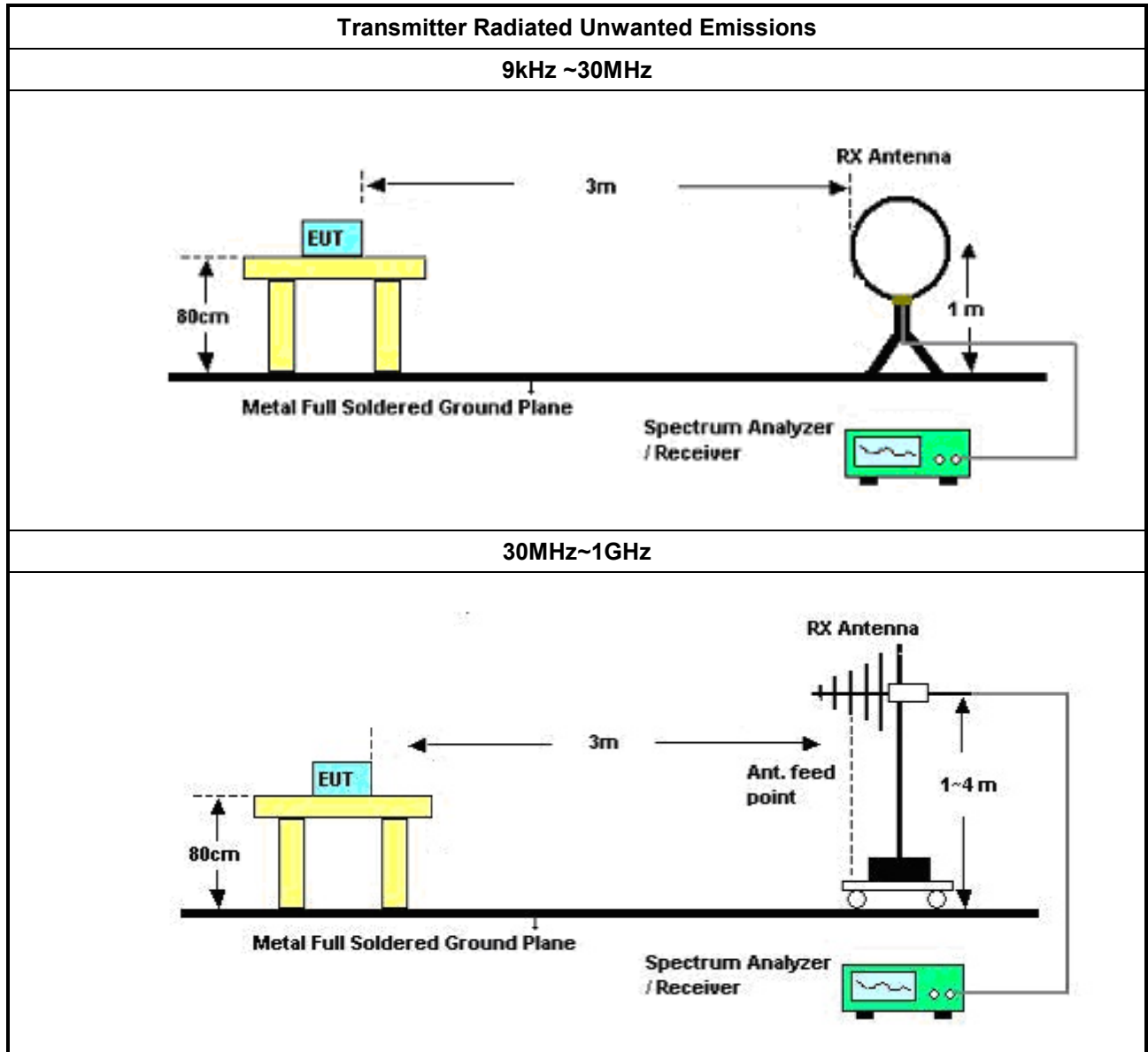
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
☒	Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.5.2.3), 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.

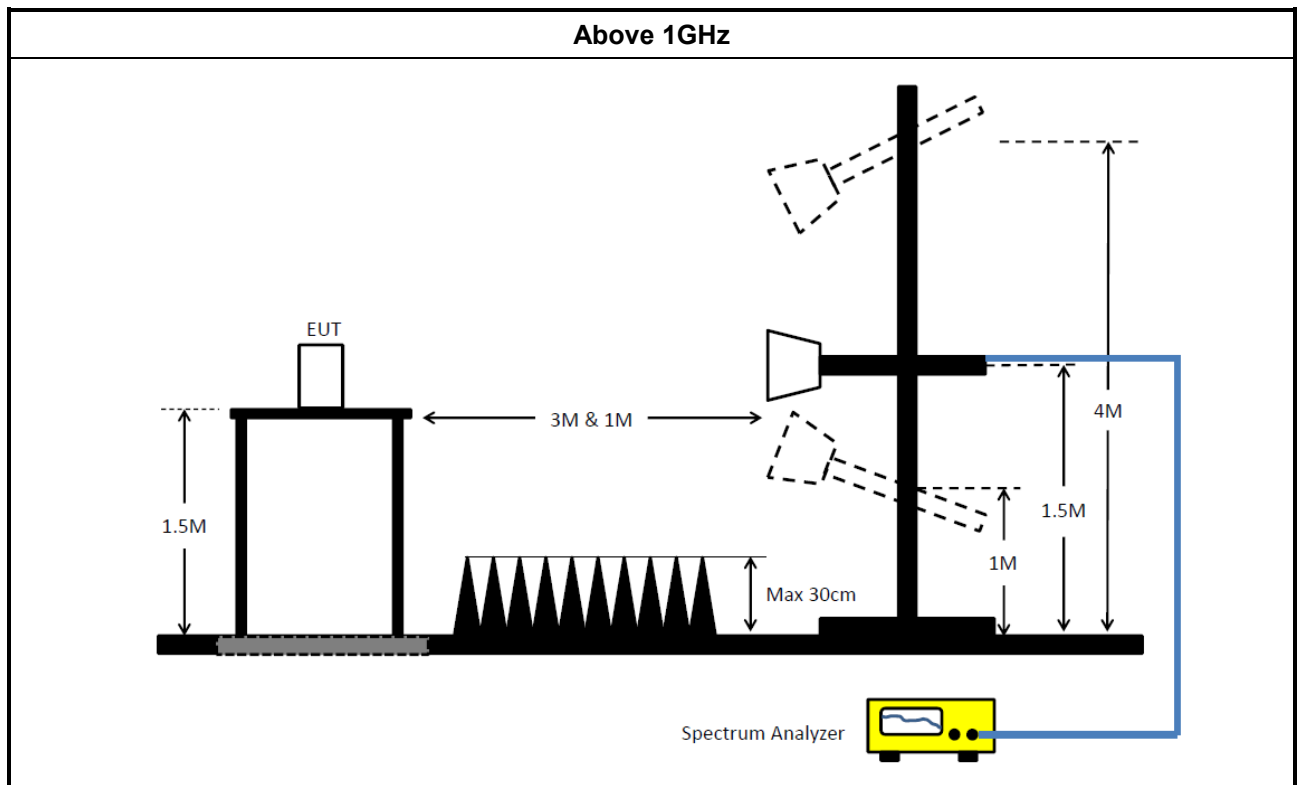
3.5.4 Measurement Results Calculation

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	RG142	CO04-cable-01	9 kHz~200MHz	26/Feb/2025	25/Feb/2026
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	FSV3044	101438	10Hz~44GHz	14/Oct/2025	13/Oct/2026
SMB100A Signal Generator	R&S	SMB100A	183621	100kHz~40GHz	02/Jan/2025	01/Jan/2026
Power Meter	Anritsu	ML2495A	949003	300MHz~40GHz	13/Feb/2025	12/Feb/2026
Pulse Sensor	Anritsu	MA2411B	917017	300MHz~40GHz	13/Feb/2025	12/Feb/2026
SENSE-15407_NII	Sporton	V5.11.27	N/A	N/A	N/A	N/A

Instrument for Radiated Test (Co-Location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	13/Jul/2025	12/Jul/2026
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101748	10Hz~44GHz	10/Apr/2025	09/Apr/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 5+8m	HUBER+SUHNER	SUOFLEX_104	03CH03-cable-03	1GHz~40GHz	19/May/2025	18/May/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-EMI	Sporton	V5.11.9	NA	NA	NA	NA

**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 / EMCI	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 Prempplier	Agilent	8449B	3008A02326	1GHz~26.5GHz	23/Jul/2025	22/Jul/2026
Microwave Prempplier	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	1.54M	43.23	46.00	-2.77	Neutral

Result

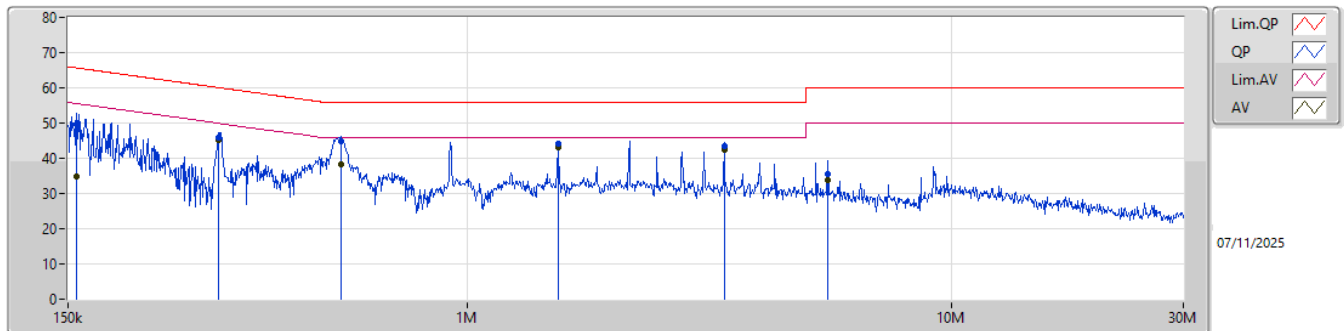
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	159.26k	47.90	65.50	-17.60	Line
Mode 1	Pass	AV	159.26k	34.40	55.50	-21.10	Line
Mode 1	Pass	QP	258.15k	34.49	61.49	-27.00	Line
Mode 1	Pass	AV	258.15k	24.26	51.49	-27.23	Line
Mode 1	Pass	QP	564.53k	40.62	56.00	-15.38	Line
Mode 1	Pass	AV	564.53k	33.99	46.00	-12.01	Line
Mode 1	Pass	QP	1.54M	44.16	56.00	-11.84	Line
Mode 1	Pass	AV	1.54M	43.22	46.00	-2.78	Line
Mode 1	Pass	QP	3.39M	43.76	56.00	-12.24	Line
Mode 1	Pass	AV	3.39M	42.92	46.00	-3.08	Line
Mode 1	Pass	QP	5.54M	34.16	60.00	-25.84	Line
Mode 1	Pass	AV	5.54M	32.32	50.00	-17.68	Line
Mode 1	Pass	QP	156.11k	49.65	65.67	-16.02	Neutral
Mode 1	Pass	AV	156.11k	34.79	55.67	-20.88	Neutral
Mode 1	Pass	QP	306.5k	45.92	60.07	-14.15	Neutral
Mode 1	Pass	AV	306.5k	45.11	50.07	-4.96	Neutral
Mode 1	Pass	QP	548.97k	44.96	56.00	-11.04	Neutral
Mode 1	Pass	AV	548.97k	38.23	46.00	-7.77	Neutral
Mode 1	Pass	QP	1.54M	44.27	56.00	-11.73	Neutral
Mode 1	Pass	AV	1.54M	43.23	46.00	-2.77	Neutral
Mode 1	Pass	QP	3.39M	43.49	56.00	-12.51	Neutral
Mode 1	Pass	AV	3.39M	42.52	46.00	-3.48	Neutral
Mode 1	Pass	QP	5.54M	35.35	60.00	-24.65	Neutral
Mode 1	Pass	AV	5.54M	33.87	50.00	-16.13	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	159.26k	47.90	65.50	-17.60	19.77	Line	-	28.13	9.64	0.01	10.12								
AV	159.26k	34.40	55.50	-21.10	19.77	Line	-	14.63	9.64	0.01	10.12								
QP	258.15k	34.49	61.49	-27.00	19.78	Line	-	14.71	9.64	0.02	10.12								
AV	258.15k	24.26	51.49	-27.23	19.78	Line	-	4.48	9.64	0.02	10.12								
QP	564.53k	40.62	56.00	-15.38	19.79	Line	-	20.83	9.63	0.04	10.12								
AV	564.53k	33.99	46.00	-12.01	19.79	Line	-	14.20	9.63	0.04	10.12								
QP	1.54M	44.16	56.00	-11.84	19.82	Line	-	24.34	9.65	0.04	10.13								
AV	1.54M	43.22	46.00	-2.78	19.82	Line	-	23.40	9.65	0.04	10.13								
QP	3.39M	43.76	56.00	-12.24	19.84	Line	-	23.92	9.66	0.05	10.13								
AV	3.39M	42.92	46.00	-3.08	19.84	Line	-	23.08	9.66	0.05	10.13								
QP	5.54M	34.16	60.00	-25.84	19.92	Line	-	14.24	9.67	0.12	10.13								
AV	5.54M	32.32	50.00	-17.68	19.92	Line	-	12.40	9.67	0.12	10.13								

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	156.11k	49.65	65.67	-16.02	19.77	Neutral	-	29.88	9.64	0.01	10.12								
AV	156.11k	34.79	55.67	-20.88	19.77	Neutral	-	15.02	9.64	0.01	10.12								
QP	306.5k	45.92	60.07	-14.15	19.77	Neutral	-	26.15	9.63	0.02	10.12								
AV	306.5k	45.11	50.07	-4.96	19.77	Neutral	-	25.34	9.63	0.02	10.12								
QP	548.97k	44.96	56.00	-11.04	19.79	Neutral	-	25.17	9.63	0.04	10.12								
AV	548.97k	38.23	46.00	-7.77	19.79	Neutral	-	18.44	9.63	0.04	10.12								
QP	1.54M	44.27	56.00	-11.73	19.82	Neutral	-	24.45	9.65	0.04	10.13								
AV	1.54M	43.23	46.00	-2.77	19.82	Neutral	-	23.41	9.65	0.04	10.13								
QP	3.39M	43.49	56.00	-12.51	19.84	Neutral	-	23.65	9.66	0.05	10.13								
AV	3.39M	42.52	46.00	-3.48	19.84	Neutral	-	22.68	9.66	0.05	10.13								
QP	5.54M	35.35	60.00	-24.65	19.92	Neutral	-	15.43	9.67	0.12	10.13								
AV	5.54M	33.87	50.00	-16.13	19.92	Neutral	-	13.95	9.67	0.12	10.13								

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	26.84M	17.524M	17M5D1D	20.295M	16.619M
802.11ac VHT20_Nss1,(MCS0)_2TX	29.48M	18.214M	18M2D1D	20.9M	17.804M
802.11ac VHT40_Nss1,(MCS0)_2TX	44.55M	36.675M	36M7D1D	40.04M	36.502M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.06M	76.176M	76M2D1D	82.06M	76.174M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.335M	29.887M	29M9D1D	15.455M	24.788M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.545M	32.338M	32M3D1D	16.06M	26.385M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.3M	47.102M	47M1D1D	35.64M	37.196M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.9M	76.556M	76M6D1D	75.68M	76.287M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth

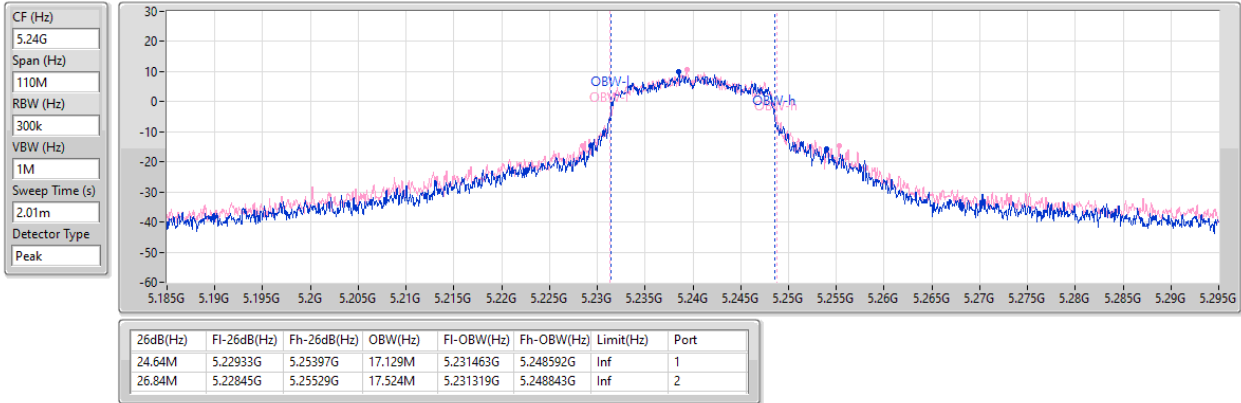
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.79M	16.715M	21.01M	16.619M
5200MHz	Pass	Inf	20.955M	16.761M	20.295M	16.732M
5240MHz	Pass	Inf	24.64M	17.129M	26.84M	17.524M
5745MHz	Pass	500k	16.06M	24.788M	15.455M	28.958M
5785MHz	Pass	500k	15.675M	26.336M	15.565M	29.046M
5825MHz	Pass	500k	16.335M	26.475M	15.785M	29.887M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.45M	17.956M	20.9M	17.804M
5200MHz	Pass	Inf	21.56M	17.876M	21.725M	17.915M
5240MHz	Pass	Inf	29.48M	18.103M	28.6M	18.214M
5745MHz	Pass	500k	16.665M	26.385M	17.545M	30.163M
5785MHz	Pass	500k	16.06M	28.149M	16.555M	31.96M
5825MHz	Pass	500k	16.28M	27.438M	17.38M	32.338M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.26M	36.597M	40.04M	36.502M
5230MHz	Pass	Inf	44.55M	36.675M	40.48M	36.541M
5755MHz	Pass	500k	35.75M	37.196M	36.3M	37.802M
5795MHz	Pass	500k	35.86M	43.641M	35.64M	47.102M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.06M	76.174M	82.06M	76.176M
5775MHz	Pass	500k	75.68M	76.287M	75.9M	76.556M

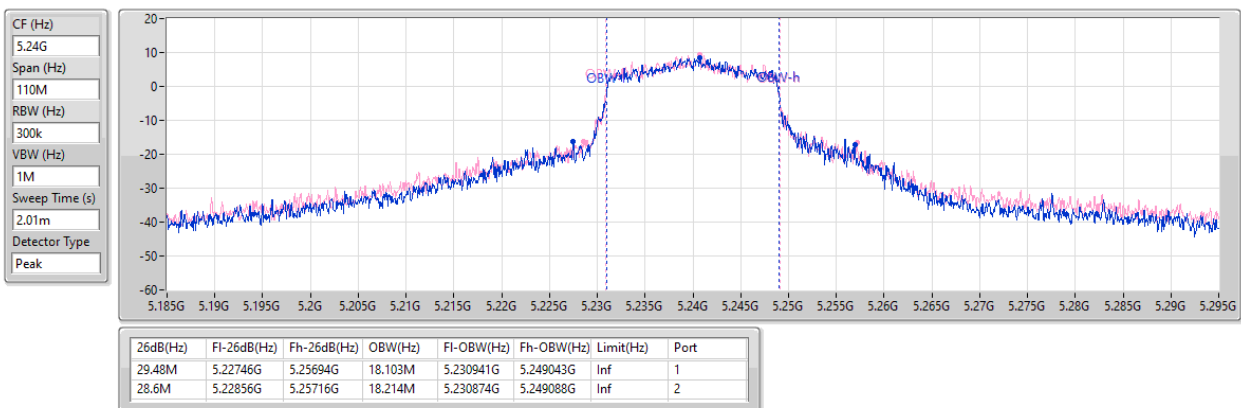
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

21/11/2025

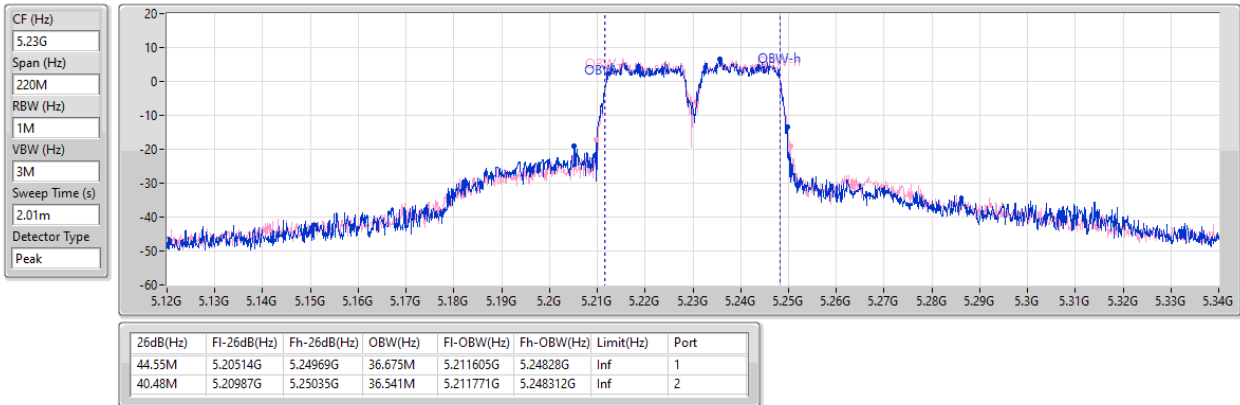

5.15-5.25GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX
EBW
5240MHz

21/11/2025

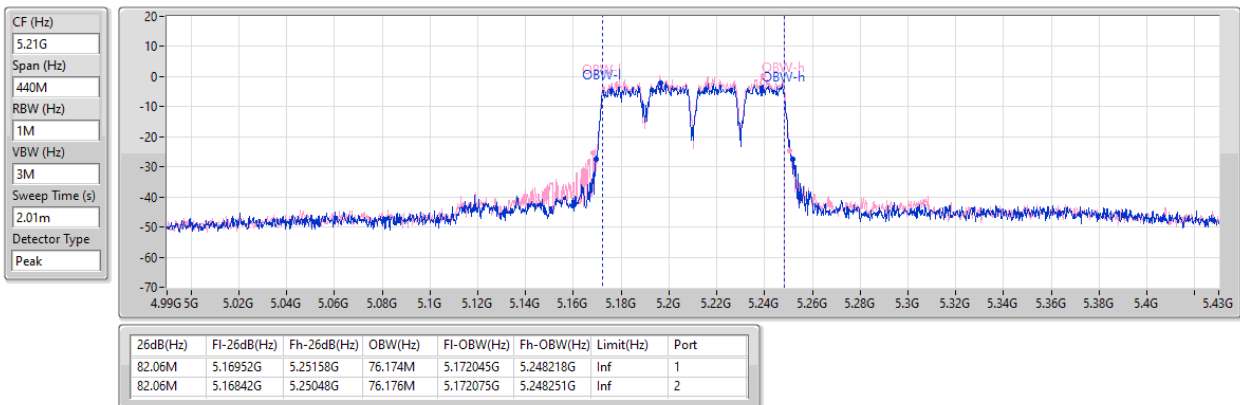


5.15-5.25GHz_802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5230MHz

12/11/2025


5.15-5.25GHz_802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5210MHz

12/11/2025

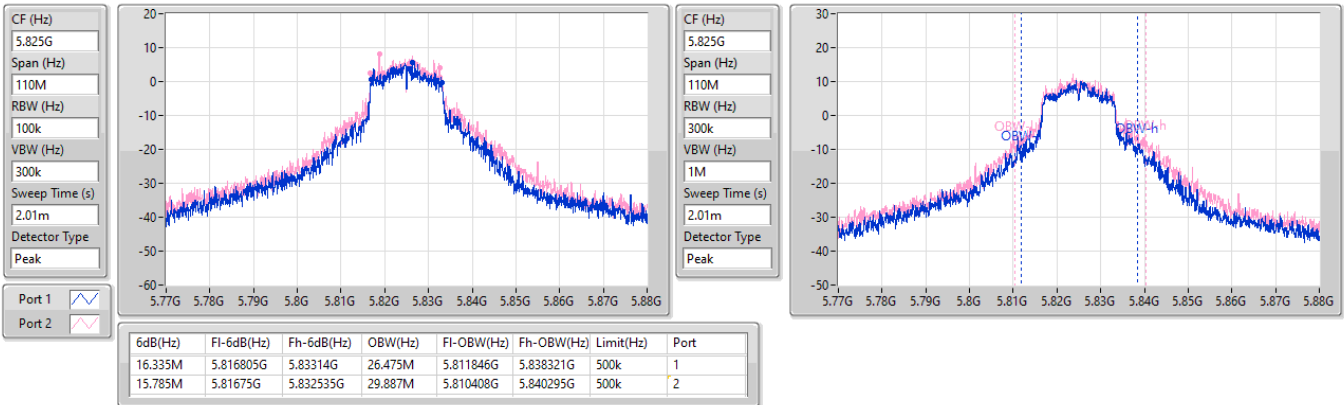


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

12/11/2025

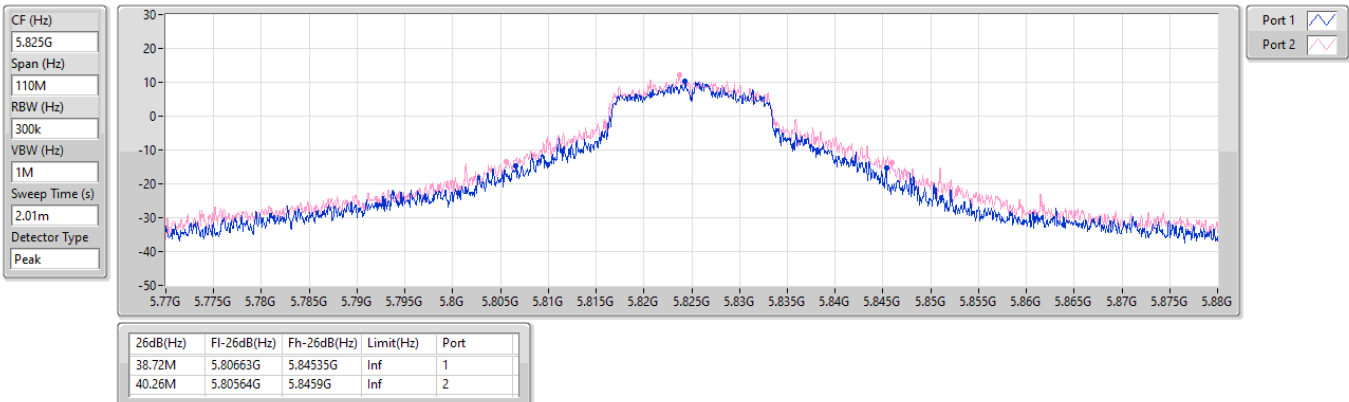


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

12/11/2025

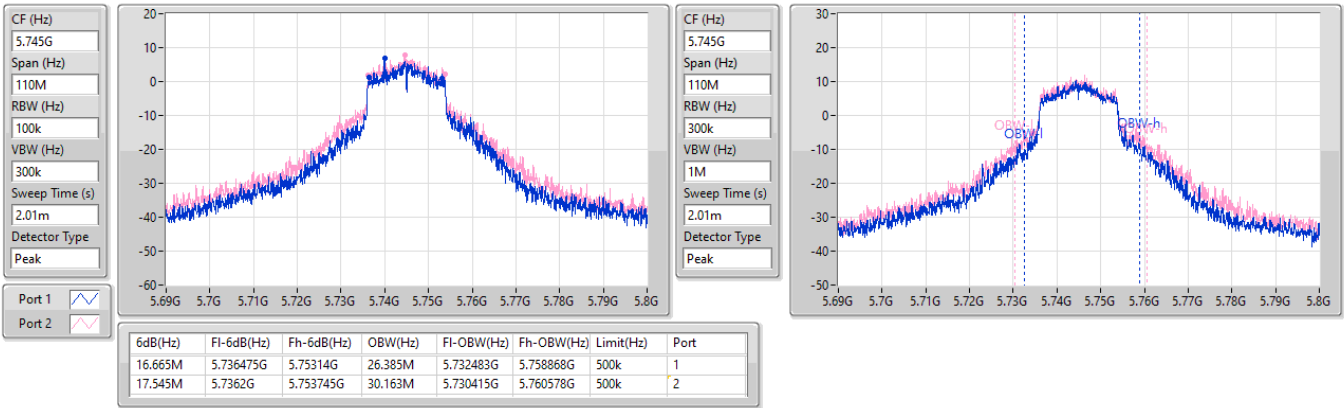


5.725-5.85GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

12/11/2025

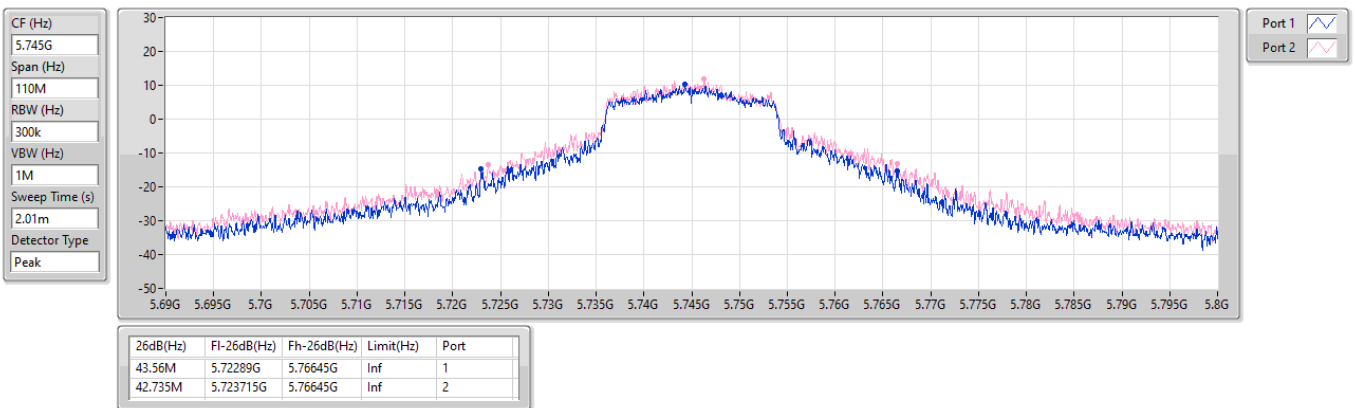


5.725-5.85GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

12/11/2025

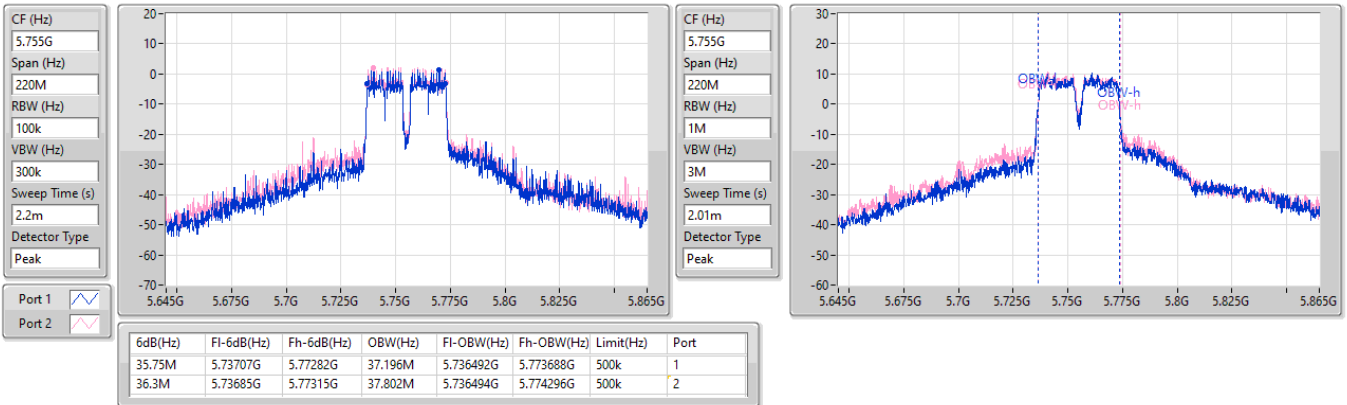


5.725-5.85GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

EBW

5755MHz

12/11/2025

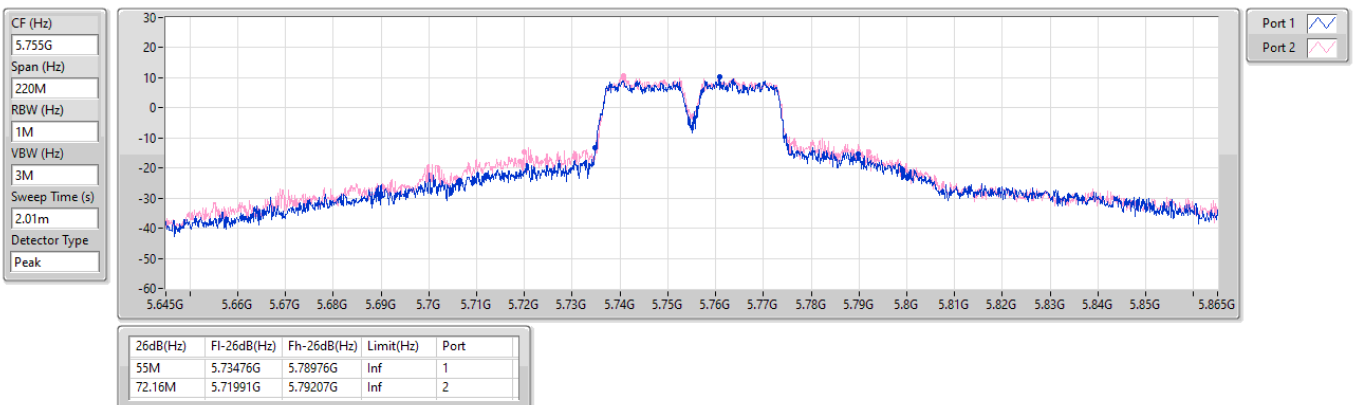


5.725-5.85GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

EBW

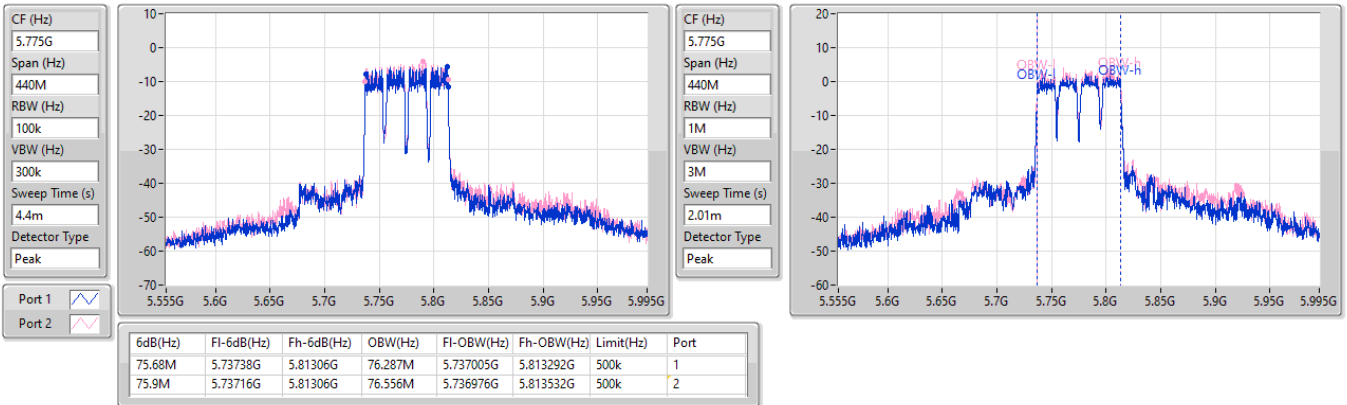
5755MHz

12/11/2025

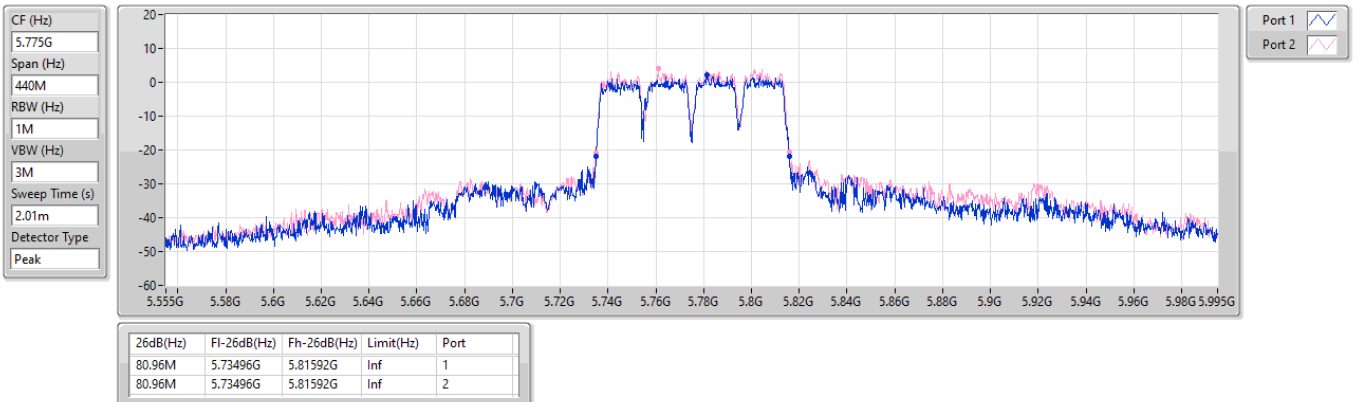


5.725-5.85GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX
EBW
5775MHz

12/11/2025


5.725-5.85GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX
EBW
5775MHz

12/11/2025



**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.90	0.12303
802.11ac VHT20_Nss1,(MCS0)_2TX	20.69	0.11722
802.11ac VHT40_Nss1,(MCS0)_2TX	14.89	0.03083
802.11ac VHT80_Nss1,(MCS0)_2TX	10.07	0.01016
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.89	0.19454
802.11ac VHT20_Nss1,(MCS0)_2TX	22.85	0.19275
802.11ac VHT40_Nss1,(MCS0)_2TX	19.39	0.08690
802.11ac VHT80_Nss1,(MCS0)_2TX	14.26	0.02667

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.15	12.57	12.74	15.67	23.98
5200MHz	Pass	4.15	15.28	15.86	18.59	23.98
5240MHz	Pass	4.15	17.75	18.02	20.90	23.98
5745MHz	Pass	4.67	19.36	20.34	22.89	30.00
5785MHz	Pass	4.67	19.23	20.22	22.76	30.00
5825MHz	Pass	4.67	19.09	20.24	22.71	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.15	14.44	14.80	17.63	23.98
5200MHz	Pass	4.15	15.28	15.53	18.42	23.98
5240MHz	Pass	4.15	17.57	17.78	20.69	23.98
5745MHz	Pass	4.67	19.36	20.27	22.85	30.00
5785MHz	Pass	4.67	19.03	20.22	22.68	30.00
5825MHz	Pass	4.67	19.03	20.22	22.68	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	4.15	5.95	6.61	9.30	23.98
5230MHz	Pass	4.15	11.55	12.19	14.89	23.98
5755MHz	Pass	4.67	14.87	15.86	18.40	30.00
5795MHz	Pass	4.67	15.64	17.01	19.39	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	4.15	6.42	7.62	10.07	23.98
5775MHz	Pass	4.67	10.69	11.75	14.26	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)_2TX	9.51
802.11ac VHT20_Nss1,(MCS0)_2TX	9.10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.67
802.11ac VHT80_Nss1,(MCS0)_2TX	-7.28
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.62
802.11ac VHT20_Nss1,(MCS0)_2TX	9.42
802.11ac VHT40_Nss1,(MCS0)_2TX	3.94
802.11ac VHT80_Nss1,(MCS0)_2TX	-3.92

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.86	1.15	1.32	4.07	10.14
5200MHz	Pass	6.86	3.72	4.29	7.01	10.14
5240MHz	Pass	6.86	6.36	6.65	9.51	10.14
5745MHz	Pass	7.41	6.10	7.06	9.62	28.59
5785MHz	Pass	7.41	6.02	6.93	9.49	28.59
5825MHz	Pass	7.41	5.98	6.96	9.48	28.59
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.86	2.76	3.14	5.90	10.14
5200MHz	Pass	6.86	3.52	3.84	6.65	10.14
5240MHz	Pass	6.86	5.98	6.29	9.10	10.14
5745MHz	Pass	7.41	5.99	6.86	9.42	28.59
5785MHz	Pass	7.41	5.73	6.77	9.22	28.59
5825MHz	Pass	7.41	5.81	6.91	9.31	28.59
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.86	-8.22	-7.76	-5.00	10.14
5230MHz	Pass	6.86	-2.69	-1.86	0.67	10.14
5755MHz	Pass	7.41	-0.61	0.60	2.98	28.59
5795MHz	Pass	7.41	0.17	1.57	3.94	28.59
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.86	-10.93	-9.70	-7.28	10.14
5775MHz	Pass	7.41	-7.54	-6.39	-3.92	28.59

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

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

PSD

5240MHz

21/11/2025

CF (Hz)
5.24G

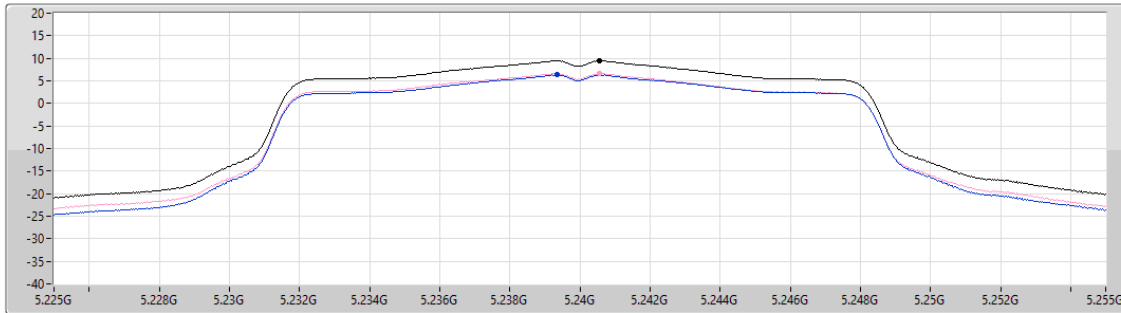
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20.87

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
9.51	9.51	6.36	6.65

5.15-5.25GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

PSD

5240MHz

21/11/2025

CF (Hz)
5.24G

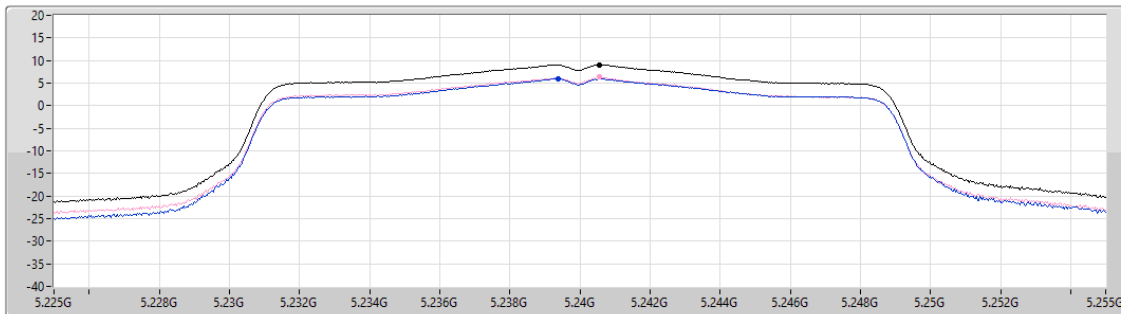
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.555

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

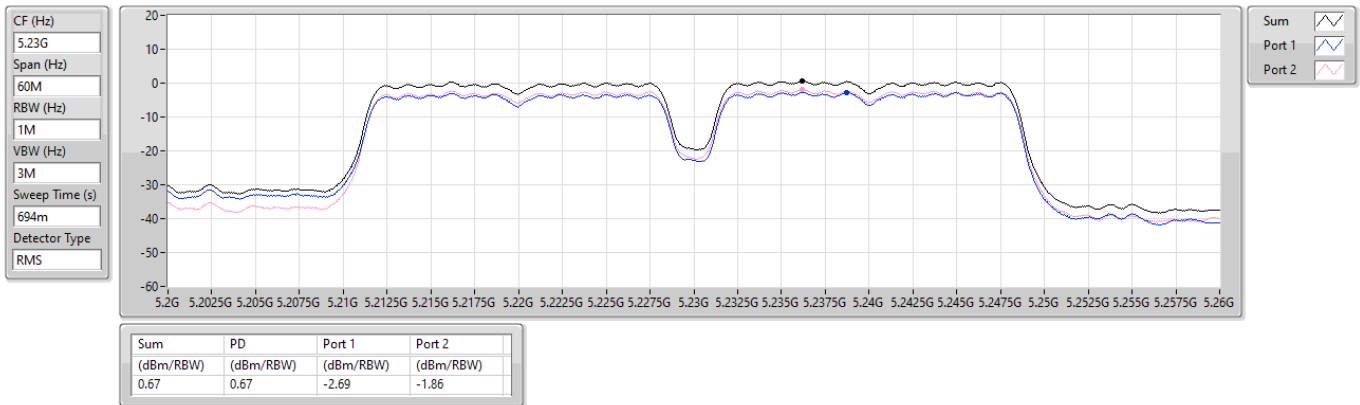
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
9.10	9.10	5.98	6.29

5.15-5.25GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

PSD

5230MHz

12/11/2025

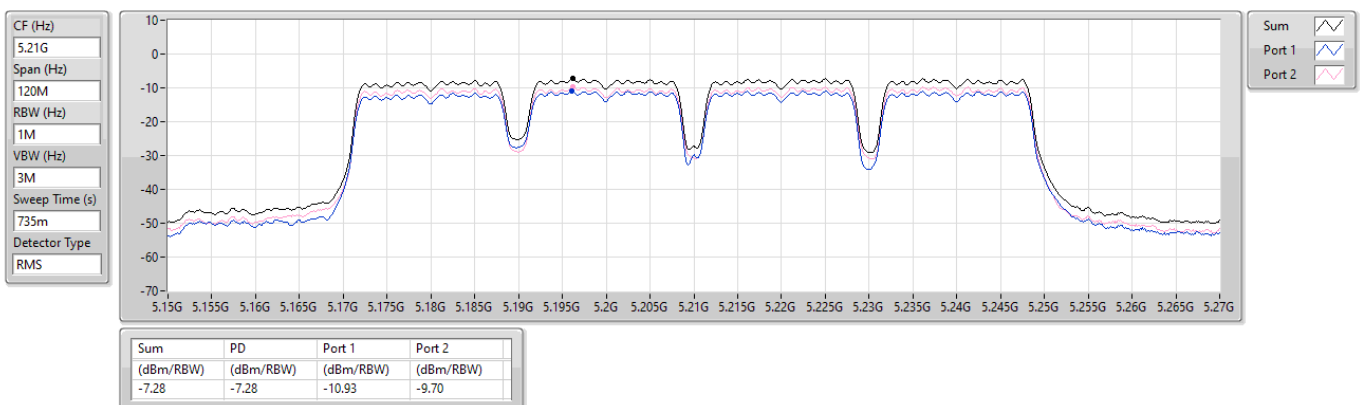


5.15-5.25GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

12/11/2025



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

PSD

5745MHz

12/11/2025

CF (Hz)
5.745G

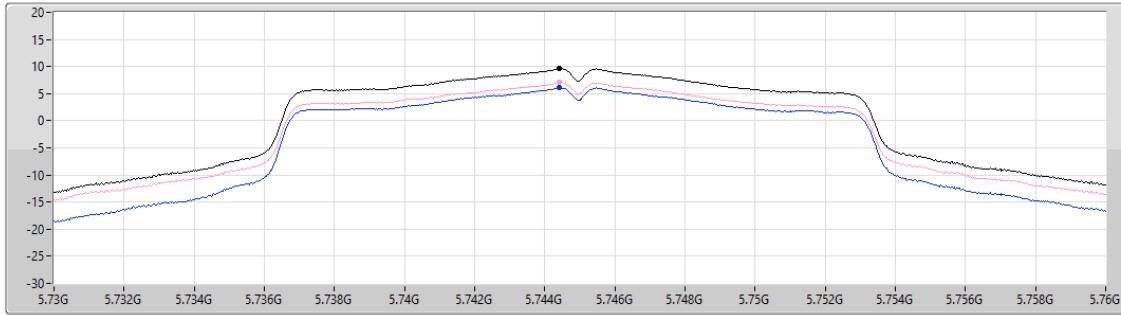
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
20.87

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.62	9.62	6.10	7.06

5.725-5.85GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

PSD

5745MHz

12/11/2025

CF (Hz)
5.745G

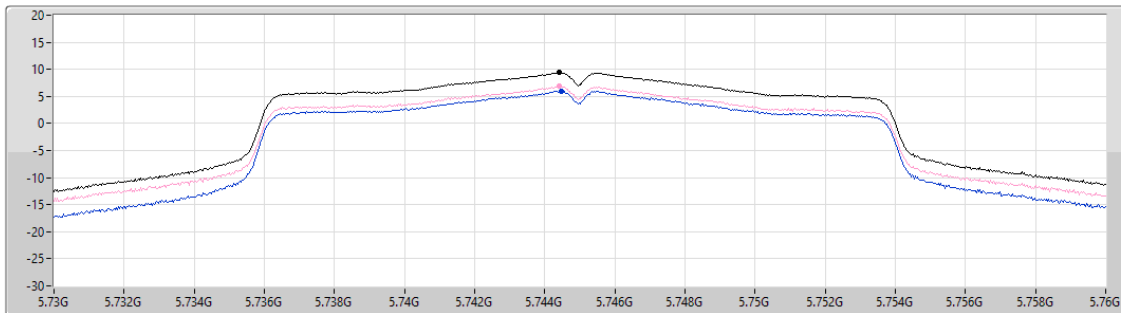
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
19.555

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.42	9.42	5.99	6.86

5.725-5.85GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

PSD

5795MHz

12/11/2025

CF (Hz)
5.795G

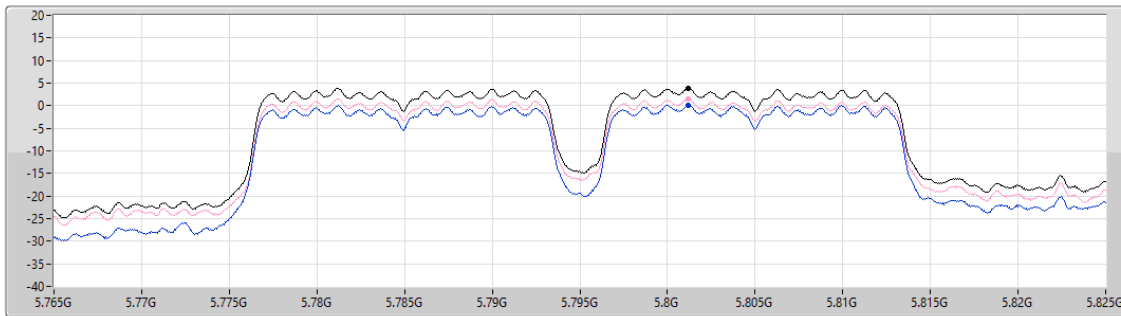
Span (Hz)
60M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
694m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.94	3.94	0.17	1.57

5.725-5.85GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX

PSD

5775MHz

12/11/2025

CF (Hz)
5.775G

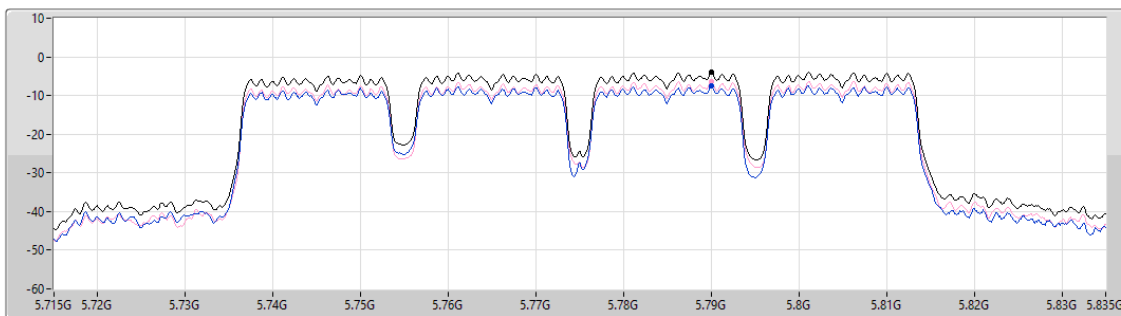
Span (Hz)
120M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
735m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.92	-3.92	-7.54	-6.39



Summary

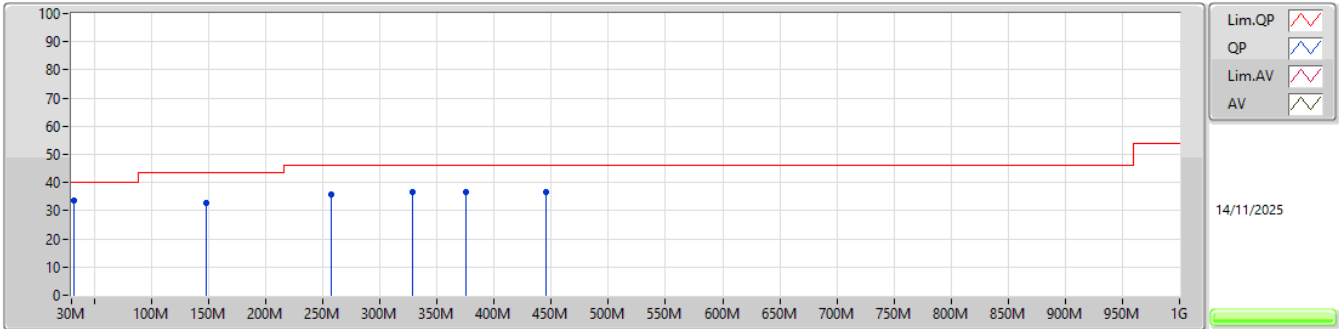
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	QP	287.84M	41.07	46.00	-4.93	3	Horizontal	165	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	31.94M	33.62	40.00	-6.38	3	Vertical	0	1.00
5775MHz	Pass	PK	148.34M	32.79	43.50	-10.71	3	Vertical	0	1.00
5775MHz	Pass	PK	256.98M	35.69	46.00	-10.31	3	Vertical	0	1.00
5775MHz	Pass	PK	328.76M	36.66	46.00	-9.34	3	Vertical	0	1.00
5775MHz	Pass	PK	375.32M	36.62	46.00	-9.38	3	Vertical	0	1.00
5775MHz	Pass	PK	445.16M	36.78	46.00	-9.22	3	Vertical	0	1.00
5775MHz	Pass	PK	30M	24.65	40.00	-15.35	3	Horizontal	360	1.00
5775MHz	Pass	PK	156.1M	34.53	43.50	-8.97	3	Horizontal	360	1.00
5775MHz	Pass	PK	222.06M	39.41	46.00	-6.59	3	Horizontal	360	1.00
5775MHz	Pass	PK	375.32M	38.28	46.00	-7.72	3	Horizontal	360	1.00
5775MHz	Pass	PK	540.22M	34.21	46.00	-11.79	3	Horizontal	360	1.00
5775MHz	Pass	QP	287.84M	41.07	46.00	-4.93	3	Horizontal	165	1.00

5.725-5.85GHz_802.11ac VHT80_Nss1,(MCS0)_2TX

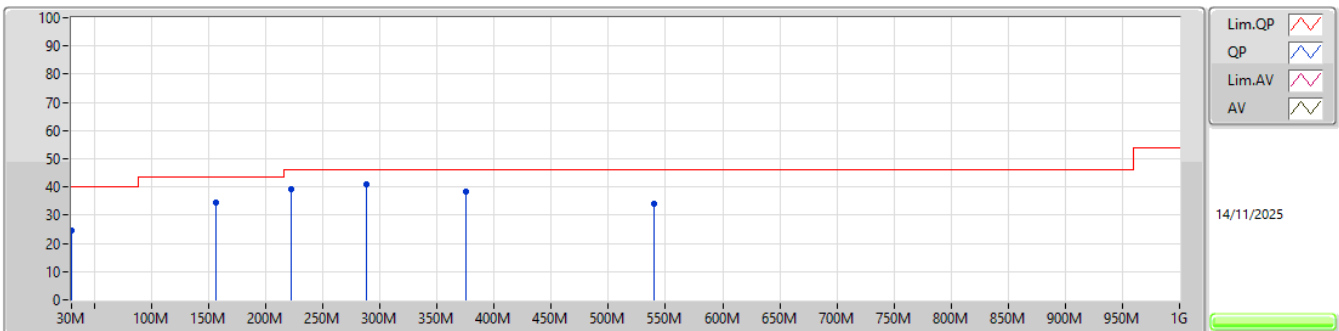
5775MHz_Adapter 12V



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.94M	33.62	40.00	-6.38	-2.56	3	Vertical	0	1.00	36.18	23.56	1.05	27.17
PK	148.34M	32.79	43.50	-10.71	-7.82	3	Vertical	0	1.00	40.61	16.67	1.97	26.46
PK	256.98M	35.69	46.00	-10.31	-5.17	3	Vertical	0	1.00	40.86	19.26	2.71	27.14
PK	328.76M	36.66	46.00	-9.34	-4.91	3	Vertical	0	1.00	41.57	19.85	3.09	27.85
PK	375.32M	36.62	46.00	-9.38	-4.07	3	Vertical	0	1.00	40.69	21.09	3.27	28.43
PK	445.16M	36.78	46.00	-9.22	-2.97	3	Vertical	0	1.00	39.75	22.62	3.55	29.14

5.725-5.85GHz_802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_Adapter 12V



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	24.65	40.00	-15.35	-1.69	3	Horizontal	360	1.00	26.34	24.52	1.04	27.25
PK	156.1M	34.53	43.50	-8.97	-8.42	3	Horizontal	360	1.00	42.95	16.04	2.06	26.52
PK	222.06M	39.41	46.00	-6.59	-8.73	3	Horizontal	360	1.00	48.14	15.70	2.48	26.91
PK	375.32M	38.28	46.00	-7.72	-4.07	3	Horizontal	360	1.00	42.35	21.09	3.27	28.43
PK	540.22M	34.21	46.00	-11.79	0.20	3	Horizontal	360	1.00	34.01	25.11	3.98	28.89
QP	287.84M	41.07	46.00	-4.93	-5.49	3	Horizontal	165	1.00	46.56	19.01	2.89	27.39



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.15G	52.25	54.00	-1.75	3	Horizontal	177	1.06
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	5.1486G	72.56	74.00	-1.44	3	Horizontal	221	2.22
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.1476G	52.24	54.00	-1.76	3	Horizontal	225	2.29
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.125G	52.90	54.00	-1.10	3	Horizontal	191	1.50
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.9318G	62.14	68.20	-6.06	3	Horizontal	116	1.39
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	5.6502G	64.27	68.35	-4.08	3	Horizontal	89	1.48
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	5.9318G	66.89	68.20	-1.31	3	Horizontal	90	1.37
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.9322G	66.34	68.20	-1.86	3	Horizontal	89	1.35

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1494G	47.87	54.00	-6.13	3	Vertical	252	1.42
5180MHz	Pass	AV	5.1806G	100.43	Inf	-Inf	3	Vertical	252	1.42
5180MHz	Pass	PK	5.1498G	66.36	74.00	-7.64	3	Vertical	252	1.42
5180MHz	Pass	PK	5.1806G	108.34	Inf	-Inf	3	Vertical	252	1.42
5180MHz	Pass	AV	5.15G	48.87	54.00	-5.13	3	Horizontal	224	2.41
5180MHz	Pass	AV	5.179G	101.10	Inf	-Inf	3	Horizontal	224	2.41
5180MHz	Pass	PK	5.1496G	68.21	74.00	-5.79	3	Horizontal	224	2.41
5180MHz	Pass	PK	5.1788G	109.85	Inf	-Inf	3	Horizontal	224	2.41
5180MHz	Pass	PK	10.36408G	56.87	68.20	-11.33	3	Vertical	149	2.09
5180MHz	Pass	PK	10.35988G	57.28	68.20	-10.92	3	Horizontal	120	1.50
5200MHz	Pass	AV	5.148G	50.99	54.00	-3.01	3	Vertical	251	1.43
5200MHz	Pass	AV	5.2004G	103.75	Inf	-Inf	3	Vertical	251	1.43
5200MHz	Pass	PK	5.15G	64.75	74.00	-9.25	3	Vertical	251	1.43
5200MHz	Pass	PK	5.2008G	111.59	Inf	-Inf	3	Vertical	251	1.43
5200MHz	Pass	AV	5.15G	52.25	54.00	-1.75	3	Horizontal	177	1.06
5200MHz	Pass	AV	5.1992G	104.88	Inf	-Inf	3	Horizontal	177	1.06
5200MHz	Pass	PK	5.144G	68.39	74.00	-5.61	3	Horizontal	177	1.06
5200MHz	Pass	PK	5.1992G	112.97	Inf	-Inf	3	Horizontal	177	1.06
5200MHz	Pass	PK	10.39584G	57.10	68.20	-11.10	3	Vertical	162	1.44
5200MHz	Pass	PK	10.4G	57.32	68.20	-10.88	3	Horizontal	108	1.52
5240MHz	Pass	AV	5.15G	50.22	54.00	-3.78	3	Vertical	251	1.34
5240MHz	Pass	AV	5.2394G	108.06	Inf	-Inf	3	Vertical	251	1.34
5240MHz	Pass	AV	5.3516G	48.92	54.00	-5.08	3	Vertical	251	1.34
5240MHz	Pass	PK	5.1488G	64.67	74.00	-9.33	3	Vertical	251	1.34
5240MHz	Pass	PK	5.2388G	116.68	Inf	-Inf	3	Vertical	251	1.34
5240MHz	Pass	PK	5.3516G	60.71	74.00	-13.29	3	Vertical	251	1.34
5240MHz	Pass	AV	5.15G	52.13	54.00	-1.87	3	Horizontal	178	1.06
5240MHz	Pass	AV	5.2418G	108.16	Inf	-Inf	3	Horizontal	178	1.06
5240MHz	Pass	AV	5.35G	48.78	54.00	-5.22	3	Horizontal	178	1.06
5240MHz	Pass	PK	5.1494G	63.84	74.00	-10.16	3	Horizontal	178	1.06
5240MHz	Pass	PK	5.2418G	116.76	Inf	-Inf	3	Horizontal	178	1.06
5240MHz	Pass	PK	5.3858G	59.93	74.00	-14.07	3	Horizontal	178	1.06
5240MHz	Pass	PK	10.47816G	56.56	68.20	-11.64	3	Vertical	142	1.54
5240MHz	Pass	PK	10.48056G	57.33	68.20	-10.87	3	Horizontal	120	1.48
5745MHz	Pass	AV	5.445G	46.24	54.00	-7.76	3	Vertical	238	1.39
5745MHz	Pass	AV	5.7438G	106.68	Inf	-Inf	3	Vertical	238	1.39
5745MHz	Pass	PK	5.6502G	60.97	68.35	-7.38	3	Vertical	238	1.39
5745MHz	Pass	PK	5.7438G	115.15	Inf	-Inf	3	Vertical	238	1.39
5745MHz	Pass	PK	5.9922G	60.35	68.20	-7.85	3	Vertical	238	1.39
5745MHz	Pass	AV	5.4462G	46.33	54.00	-7.67	3	Horizontal	93	1.46
5745MHz	Pass	AV	5.7438G	108.47	Inf	-Inf	3	Horizontal	93	1.46
5745MHz	Pass	PK	5.6538G	63.85	71.01	-7.16	3	Horizontal	93	1.46
5745MHz	Pass	PK	5.7438G	116.98	Inf	-Inf	3	Horizontal	93	1.46
5745MHz	Pass	PK	5.991G	60.47	68.20	-7.73	3	Horizontal	93	1.46
5745MHz	Pass	AV	11.48984G	44.52	54.00	-9.48	3	Vertical	211	1.49
5745MHz	Pass	PK	11.49256G	56.31	74.00	-17.69	3	Vertical	211	1.49
5745MHz	Pass	AV	11.48992G	44.68	54.00	-9.32	3	Horizontal	233	2.57
5745MHz	Pass	PK	11.49016G	56.47	74.00	-17.53	3	Horizontal	233	2.57
5785MHz	Pass	AV	5.785G	106.45	Inf	-Inf	3	Vertical	239	1.34
5785MHz	Pass	PK	5.551G	59.55	68.20	-8.65	3	Vertical	239	1.34
5785MHz	Pass	PK	5.7838G	114.71	Inf	-Inf	3	Vertical	239	1.34
5785MHz	Pass	PK	5.9566G	60.41	68.20	-7.79	3	Vertical	239	1.34
5785MHz	Pass	AV	5.7838G	107.68	Inf	-Inf	3	Horizontal	95	1.46
5785MHz	Pass	PK	5.6398G	59.08	68.20	-9.12	3	Horizontal	95	1.46
5785MHz	Pass	PK	5.7838G	116.44	Inf	-Inf	3	Horizontal	95	1.46
5785MHz	Pass	PK	5.9386G	60.37	68.20	-7.83	3	Horizontal	95	1.46
5785MHz	Pass	AV	11.56992G	44.86	54.00	-9.14	3	Vertical	212	1.49
5785MHz	Pass	PK	11.56752G	57.31	74.00	-16.69	3	Vertical	212	1.49
5785MHz	Pass	AV	11.56992G	44.63	54.00	-9.37	3	Horizontal	206	1.50
5785MHz	Pass	PK	11.58752G	56.54	74.00	-17.46	3	Horizontal	206	1.50

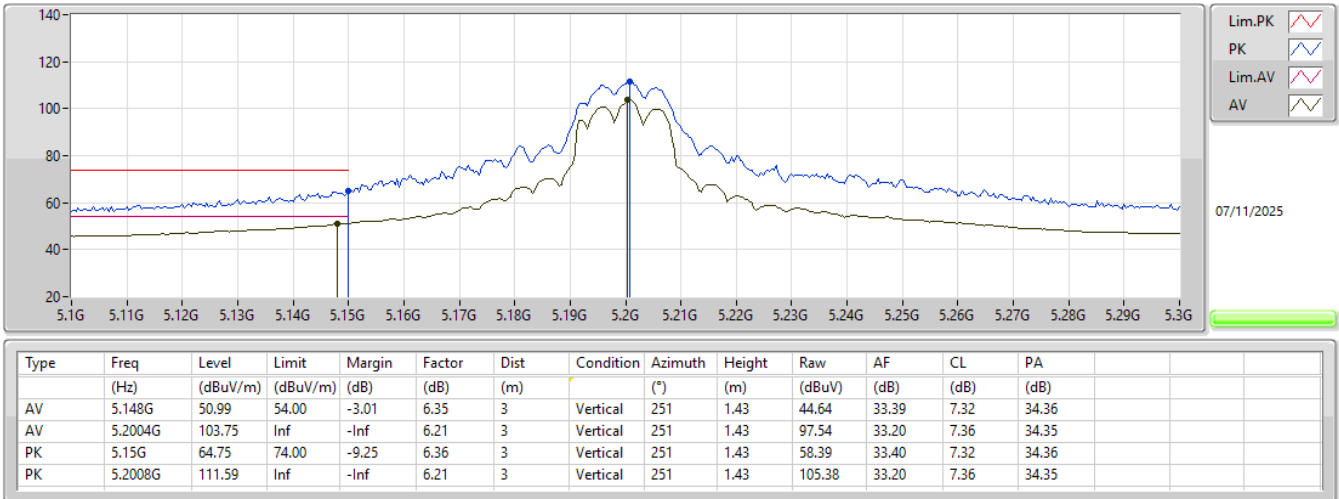
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5825MHz	Pass	AV	5.8262G	106.54	Inf	-Inf	3	Vertical	239	1.42
5825MHz	Pass	PK	5.6282G	58.78	68.20	-9.42	3	Vertical	239	1.42
5825MHz	Pass	PK	5.8262G	115.17	Inf	-Inf	3	Vertical	239	1.42
5825MHz	Pass	PK	5.927G	60.82	68.20	-7.38	3	Vertical	239	1.42
5825MHz	Pass	AV	5.825G	107.88	Inf	-Inf	3	Horizontal	116	1.39
5825MHz	Pass	PK	5.6342G	58.86	68.20	-9.34	3	Horizontal	116	1.39
5825MHz	Pass	PK	5.8262G	116.69	Inf	-Inf	3	Horizontal	116	1.39
5825MHz	Pass	PK	5.9318G	62.14	68.20	-6.06	3	Horizontal	116	1.39
5825MHz	Pass	AV	11.64992G	44.84	54.00	-9.16	3	Vertical	231	1.50
5825MHz	Pass	PK	11.64584G	56.75	74.00	-17.25	3	Vertical	231	1.50
5825MHz	Pass	AV	11.64992G	45.01	54.00	-8.99	3	Horizontal	206	1.49
5825MHz	Pass	PK	11.64936G	57.06	74.00	-16.94	3	Horizontal	206	1.49
802.11ac VHT20_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1496G	51.14	54.00	-2.86	3	Vertical	251	1.38
5180MHz	Pass	AV	5.1792G	101.47	Inf	-Inf	3	Vertical	251	1.38
5180MHz	Pass	PK	5.1496G	70.63	74.00	-3.37	3	Vertical	251	1.38
5180MHz	Pass	PK	5.1794G	109.94	Inf	-Inf	3	Vertical	251	1.38
5180MHz	Pass	AV	5.1484G	51.96	54.00	-2.04	3	Horizontal	221	2.22
5180MHz	Pass	AV	5.1808G	103.17	Inf	-Inf	3	Horizontal	221	2.22
5180MHz	Pass	PK	5.1486G	72.56	74.00	-1.44	3	Horizontal	221	2.22
5180MHz	Pass	PK	5.1806G	112.08	Inf	-Inf	3	Horizontal	221	2.22
5180MHz	Pass	PK	10.35976G	57.61	68.20	-10.59	3	Vertical	149	1.48
5180MHz	Pass	PK	10.35936G	56.59	68.20	-11.61	3	Horizontal	119	1.50
5200MHz	Pass	AV	5.1492G	50.35	54.00	-3.65	3	Vertical	252	1.44
5200MHz	Pass	AV	5.1992G	102.85	Inf	-Inf	3	Vertical	252	1.44
5200MHz	Pass	PK	5.15G	65.64	74.00	-8.36	3	Vertical	252	1.44
5200MHz	Pass	PK	5.2016G	111.68	Inf	-Inf	3	Vertical	252	1.44
5200MHz	Pass	AV	5.1496G	51.38	54.00	-2.62	3	Horizontal	225	2.27
5200MHz	Pass	AV	5.1992G	104.09	Inf	-Inf	3	Horizontal	225	2.27
5200MHz	Pass	PK	5.1436G	65.93	74.00	-8.07	3	Horizontal	225	2.27
5200MHz	Pass	PK	5.1992G	112.38	Inf	-Inf	3	Horizontal	225	2.27
5200MHz	Pass	PK	10.4G	57.06	68.20	-11.14	3	Vertical	162	1.49
5200MHz	Pass	PK	10.40024G	56.89	68.20	-11.31	3	Horizontal	108	1.51
5240MHz	Pass	AV	5.1494G	47.77	54.00	-6.23	3	Vertical	256	1.50
5240MHz	Pass	AV	5.2406G	106.33	Inf	-Inf	3	Vertical	256	1.50
5240MHz	Pass	AV	5.39G	47.96	54.00	-6.04	3	Vertical	256	1.50
5240MHz	Pass	PK	5.15G	59.78	74.00	-14.22	3	Vertical	256	1.50
5240MHz	Pass	PK	5.2406G	114.29	Inf	-Inf	3	Vertical	256	1.50
5240MHz	Pass	PK	5.351G	60.43	74.00	-13.57	3	Vertical	256	1.50
5240MHz	Pass	AV	5.15G	50.27	54.00	-3.73	3	Horizontal	178	1.03
5240MHz	Pass	AV	5.2394G	107.93	Inf	-Inf	3	Horizontal	178	1.03
5240MHz	Pass	AV	5.3516G	47.82	54.00	-6.18	3	Horizontal	178	1.03
5240MHz	Pass	PK	5.15G	64.35	74.00	-9.65	3	Horizontal	178	1.03
5240MHz	Pass	PK	5.2394G	116.83	Inf	-Inf	3	Horizontal	178	1.03
5240MHz	Pass	PK	5.3882G	59.27	74.00	-14.73	3	Horizontal	178	1.03
5240MHz	Pass	PK	10.46896G	57.29	68.20	-10.91	3	Vertical	142	1.53
5240MHz	Pass	PK	10.49008G	57.12	68.20	-11.08	3	Horizontal	120	1.50
5745MHz	Pass	AV	5.4582G	46.29	54.00	-7.71	3	Vertical	237	1.39
5745MHz	Pass	AV	5.7462G	106.10	Inf	-Inf	3	Vertical	237	1.39
5745MHz	Pass	PK	5.6502G	62.76	68.35	-5.59	3	Vertical	237	1.39
5745MHz	Pass	PK	5.7426G	114.60	Inf	-Inf	3	Vertical	237	1.39
5745MHz	Pass	PK	5.9334G	60.77	68.20	-7.43	3	Vertical	237	1.39
5745MHz	Pass	AV	5.445G	46.30	54.00	-7.70	3	Horizontal	89	1.48
5745MHz	Pass	AV	5.7462G	107.67	Inf	-Inf	3	Horizontal	89	1.48
5745MHz	Pass	PK	5.6502G	64.27	68.35	-4.08	3	Horizontal	89	1.48
5745MHz	Pass	PK	5.7462G	116.11	Inf	-Inf	3	Horizontal	89	1.48
5745MHz	Pass	PK	5.9886G	61.67	68.20	-6.53	3	Horizontal	89	1.48
5745MHz	Pass	AV	11.48992G	45.21	54.00	-8.79	3	Vertical	212	1.49
5745MHz	Pass	PK	11.49008G	57.47	74.00	-16.53	3	Vertical	212	1.49
5745MHz	Pass	AV	11.48992G	46.20	54.00	-7.80	3	Horizontal	229	1.97
5745MHz	Pass	PK	11.4956G	56.99	74.00	-17.01	3	Horizontal	229	1.97
5785MHz	Pass	AV	5.785G	105.40	Inf	-Inf	3	Vertical	218	1.56

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5785MHz	Pass	PK	5.6386G	59.31	68.20	-8.89	3	Vertical	218	1.56
5785MHz	Pass	PK	5.7874G	114.40	Inf	-Inf	3	Vertical	218	1.56
5785MHz	Pass	PK	6.031G	61.01	68.20	-7.19	3	Vertical	218	1.56
5785MHz	Pass	AV	5.785G	106.93	Inf	-Inf	3	Horizontal	91	1.30
5785MHz	Pass	PK	5.6482G	59.19	68.20	-9.01	3	Horizontal	91	1.30
5785MHz	Pass	PK	5.7838G	115.30	Inf	-Inf	3	Horizontal	91	1.30
5785MHz	Pass	PK	6.031G	60.71	68.20	-7.49	3	Horizontal	91	1.30
5785MHz	Pass	AV	11.56984G	43.53	54.00	-10.47	3	Vertical	210	1.56
5785MHz	Pass	PK	11.56984G	55.76	74.00	-18.24	3	Vertical	210	1.56
5785MHz	Pass	AV	11.56994G	43.78	54.00	-10.22	3	Horizontal	205	1.51
5785MHz	Pass	PK	11.57008G	56.28	74.00	-17.72	3	Horizontal	205	1.51
5825MHz	Pass	AV	5.8262G	106.14	Inf	-Inf	3	Vertical	217	1.55
5825MHz	Pass	PK	5.5526G	60.22	68.20	-7.98	3	Vertical	217	1.55
5825MHz	Pass	PK	5.8262G	115.12	Inf	-Inf	3	Vertical	217	1.55
5825MHz	Pass	PK	5.9246G	62.22	68.50	-6.28	3	Vertical	217	1.55
5825MHz	Pass	AV	5.825G	107.87	Inf	-Inf	3	Horizontal	87	1.30
5825MHz	Pass	PK	5.6138G	59.07	68.20	-9.13	3	Horizontal	87	1.30
5825MHz	Pass	PK	5.8262G	116.02	Inf	-Inf	3	Horizontal	87	1.30
5825MHz	Pass	PK	5.9246G	63.04	68.50	-5.46	3	Horizontal	87	1.30
5825MHz	Pass	AV	11.64986G	44.72	54.00	-9.28	3	Vertical	229	1.50
5825MHz	Pass	PK	11.65018G	56.88	74.00	-17.12	3	Vertical	229	1.50
5825MHz	Pass	AV	11.6499G	44.22	54.00	-9.78	3	Horizontal	205	1.50
5825MHz	Pass	PK	11.65266G	56.40	74.00	-17.60	3	Horizontal	205	1.50
802.11ac VHT40_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1476G	51.73	54.00	-2.27	3	Vertical	251	1.45
5190MHz	Pass	AV	5.1976G	92.36	Inf	-Inf	3	Vertical	251	1.45
5190MHz	Pass	PK	5.1472G	59.87	74.00	-14.13	3	Vertical	251	1.45
5190MHz	Pass	PK	5.198G	99.03	Inf	-Inf	3	Vertical	251	1.45
5190MHz	Pass	AV	5.1476G	52.24	54.00	-1.76	3	Horizontal	225	2.29
5190MHz	Pass	AV	5.2076G	93.72	Inf	-Inf	3	Horizontal	225	2.29
5190MHz	Pass	PK	5.1472G	60.89	74.00	-13.11	3	Horizontal	225	2.29
5190MHz	Pass	PK	5.2068G	100.85	Inf	-Inf	3	Horizontal	225	2.29
5190MHz	Pass	PK	10.37978G	56.84	68.20	-11.36	3	Vertical	147	2.21
5190MHz	Pass	PK	10.3801G	56.92	68.20	-11.28	3	Horizontal	110	1.76
5230MHz	Pass	AV	5.1468G	51.12	54.00	-2.88	3	Vertical	252	1.45
5230MHz	Pass	AV	5.2476G	97.27	Inf	-Inf	3	Vertical	252	1.45
5230MHz	Pass	PK	5.1472G	59.17	74.00	-14.83	3	Vertical	252	1.45
5230MHz	Pass	PK	5.2468G	104.33	Inf	-Inf	3	Vertical	252	1.45
5230MHz	Pass	AV	5.1476G	51.63	54.00	-2.37	3	Horizontal	178	1.02
5230MHz	Pass	AV	5.2468G	98.47	Inf	-Inf	3	Horizontal	178	1.02
5230MHz	Pass	PK	5.1492G	60.46	74.00	-13.54	3	Horizontal	178	1.02
5230MHz	Pass	PK	5.2468G	105.72	Inf	-Inf	3	Horizontal	178	1.02
5230MHz	Pass	PK	10.45972G	58.29	68.20	-9.91	3	Vertical	150	2.40
5230MHz	Pass	PK	10.45992G	56.74	68.20	-11.46	3	Horizontal	132	2.15
5755MHz	Pass	AV	5.4598G	49.83	54.00	-4.17	3	Vertical	217	1.58
5755MHz	Pass	AV	5.761G	100.84	Inf	-Inf	3	Vertical	217	1.58
5755MHz	Pass	PK	5.6506G	65.30	68.64	-3.34	3	Vertical	217	1.58
5755MHz	Pass	PK	5.761G	107.91	Inf	-Inf	3	Vertical	217	1.58
5755MHz	Pass	PK	5.9698G	60.14	68.20	-8.06	3	Vertical	217	1.58
5755MHz	Pass	AV	5.455G	50.40	54.00	-3.60	3	Horizontal	88	1.39
5755MHz	Pass	AV	5.7406G	102.31	Inf	-Inf	3	Horizontal	88	1.39
5755MHz	Pass	PK	5.6494G	66.46	68.20	-1.74	3	Horizontal	88	1.39
5755MHz	Pass	PK	5.761G	109.53	Inf	-Inf	3	Horizontal	88	1.39
5755MHz	Pass	PK	5.9914G	61.02	68.20	-7.18	3	Horizontal	88	1.39
5755MHz	Pass	AV	11.50992G	48.75	54.00	-5.25	3	Vertical	248	2.27
5755MHz	Pass	PK	11.50988G	55.50	74.00	-18.50	3	Vertical	248	2.27
5755MHz	Pass	AV	11.50984G	49.36	54.00	-4.64	3	Horizontal	139	1.49
5755MHz	Pass	PK	11.51008G	55.43	74.00	-18.57	3	Horizontal	139	1.49
5795MHz	Pass	AV	5.801G	103.19	Inf	-Inf	3	Vertical	238	1.36
5795MHz	Pass	PK	5.645G	60.75	68.20	-7.45	3	Vertical	238	1.36
5795MHz	Pass	PK	5.801G	110.21	Inf	-Inf	3	Vertical	238	1.36
5795MHz	Pass	PK	5.9282G	65.75	68.20	-2.45	3	Vertical	238	1.36

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5795MHz	Pass	AV	5.8118G	102.81	Inf	-Inf	3	Horizontal	90	1.37
5795MHz	Pass	PK	5.6462G	60.99	68.20	-7.21	3	Horizontal	90	1.37
5795MHz	Pass	PK	5.8118G	110.61	Inf	-Inf	3	Horizontal	90	1.37
5795MHz	Pass	PK	5.9318G	66.89	68.20	-1.31	3	Horizontal	90	1.37
5795MHz	Pass	AV	11.58988G	50.46	54.00	-3.54	3	Vertical	230	1.61
5795MHz	Pass	PK	11.58992G	56.69	74.00	-17.31	3	Vertical	230	1.61
5795MHz	Pass	AV	11.58992G	50.45	54.00	-3.55	3	Horizontal	136	1.90
5795MHz	Pass	PK	11.58988G	57.32	74.00	-16.68	3	Horizontal	136	1.90
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.125G	52.84	54.00	-1.16	3	Vertical	250	1.38
5210MHz	Pass	AV	5.216G	90.63	Inf	-Inf	3	Vertical	250	1.38
5210MHz	Pass	AV	5.421G	51.51	54.00	-2.49	3	Vertical	250	1.38
5210MHz	Pass	PK	5.116G	61.35	74.00	-12.65	3	Vertical	250	1.38
5210MHz	Pass	PK	5.216G	96.72	Inf	-Inf	3	Vertical	250	1.38
5210MHz	Pass	PK	5.363G	59.60	74.00	-14.40	3	Vertical	250	1.38
5210MHz	Pass	AV	5.125G	52.90	54.00	-1.10	3	Horizontal	191	1.50
5210MHz	Pass	AV	5.225G	89.68	Inf	-Inf	3	Horizontal	191	1.50
5210MHz	Pass	AV	5.445G	51.05	54.00	-2.95	3	Horizontal	191	1.50
5210MHz	Pass	PK	5.116G	60.87	74.00	-13.13	3	Horizontal	191	1.50
5210MHz	Pass	PK	5.216G	95.40	Inf	-Inf	3	Horizontal	191	1.50
5210MHz	Pass	PK	5.353G	59.84	74.00	-14.16	3	Horizontal	191	1.50
5210MHz	Pass	PK	10.42804G	56.20	68.20	-12.00	3	Vertical	148	2.77
5210MHz	Pass	PK	10.4194G	55.68	68.20	-12.52	3	Horizontal	116	1.74
5775MHz	Pass	AV	5.8038G	93.82	Inf	-Inf	3	Vertical	218	1.57
5775MHz	Pass	PK	5.6346G	61.87	68.20	-6.33	3	Vertical	218	1.57
5775MHz	Pass	PK	5.805G	100.26	Inf	-Inf	3	Vertical	218	1.57
5775MHz	Pass	PK	5.931G	65.33	68.20	-2.87	3	Vertical	218	1.57
5775MHz	Pass	AV	5.8122G	95.93	Inf	-Inf	3	Horizontal	89	1.35
5775MHz	Pass	PK	5.6502G	63.75	68.35	-4.60	3	Horizontal	89	1.35
5775MHz	Pass	PK	5.8122G	102.13	Inf	-Inf	3	Horizontal	89	1.35
5775MHz	Pass	PK	5.9322G	66.34	68.20	-1.86	3	Horizontal	89	1.35
5775MHz	Pass	AV	11.54992G	49.74	54.00	-4.26	3	Vertical	230	1.63
5775MHz	Pass	PK	11.55564G	56.74	74.00	-17.26	3	Vertical	230	1.63
5775MHz	Pass	AV	11.54984G	48.41	54.00	-5.59	3	Horizontal	140	1.49
5775MHz	Pass	PK	11.54896G	55.87	74.00	-18.13	3	Horizontal	140	1.49

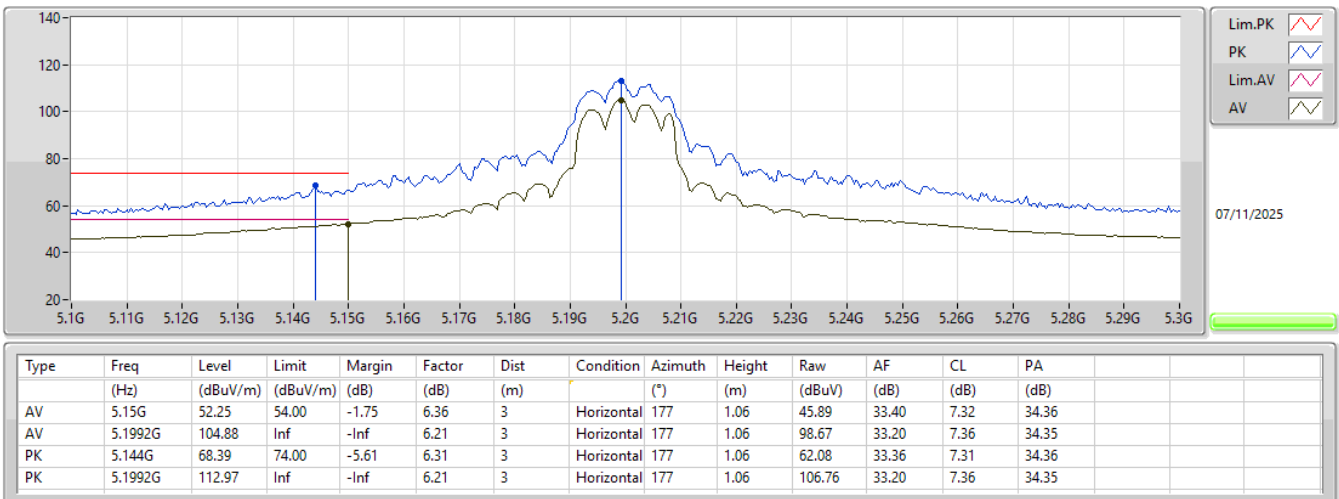
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5200MHz_TX



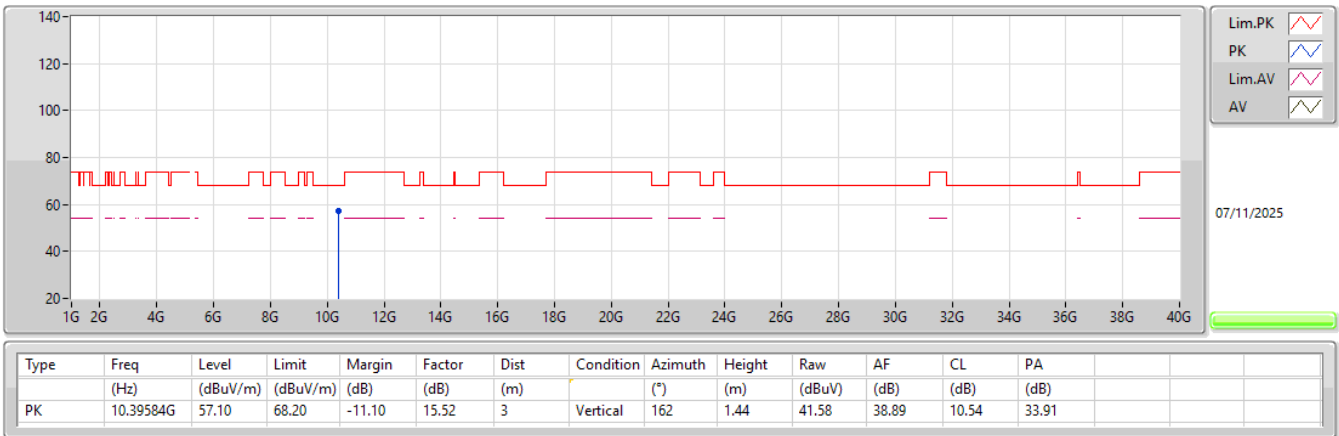
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5200MHz_TX



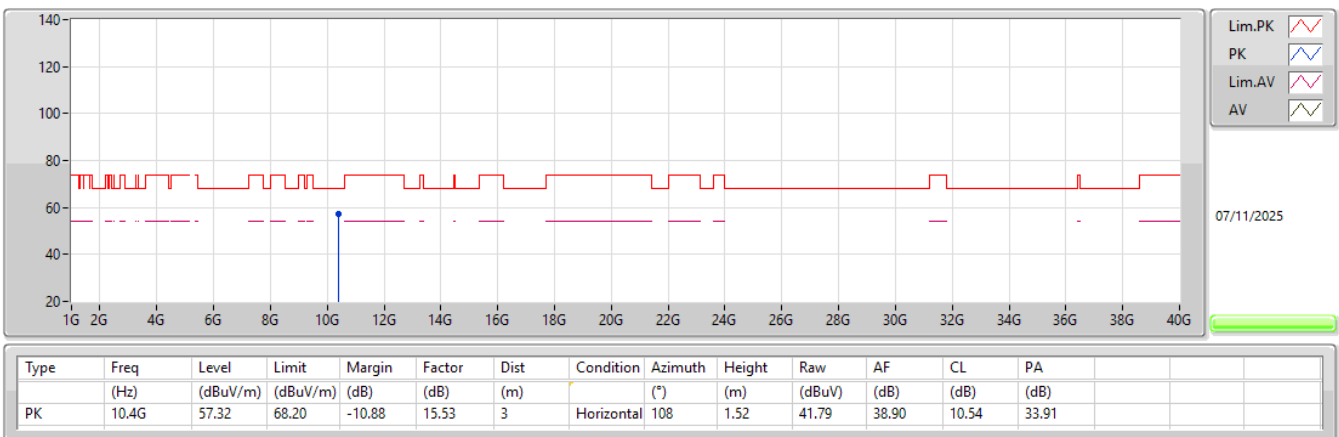
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5200MHz_TX



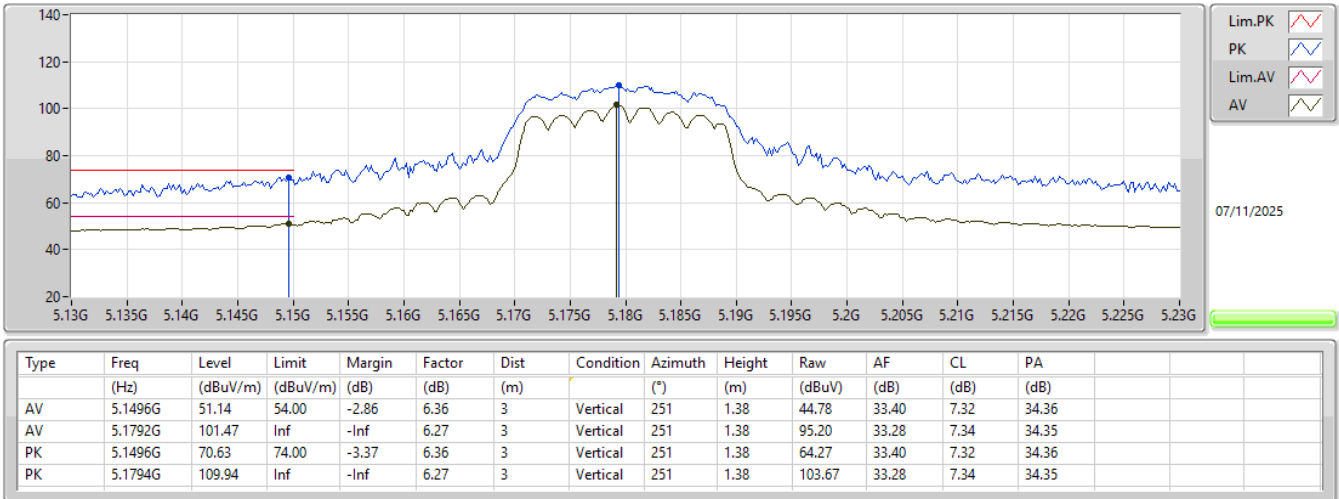
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5200MHz_TX



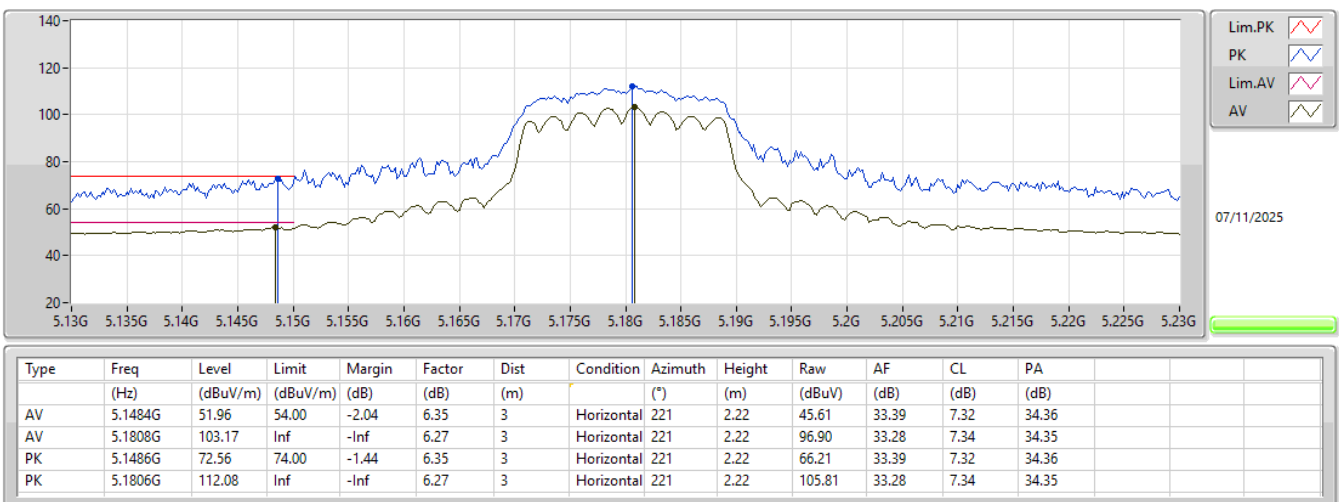
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5180MHz_TX



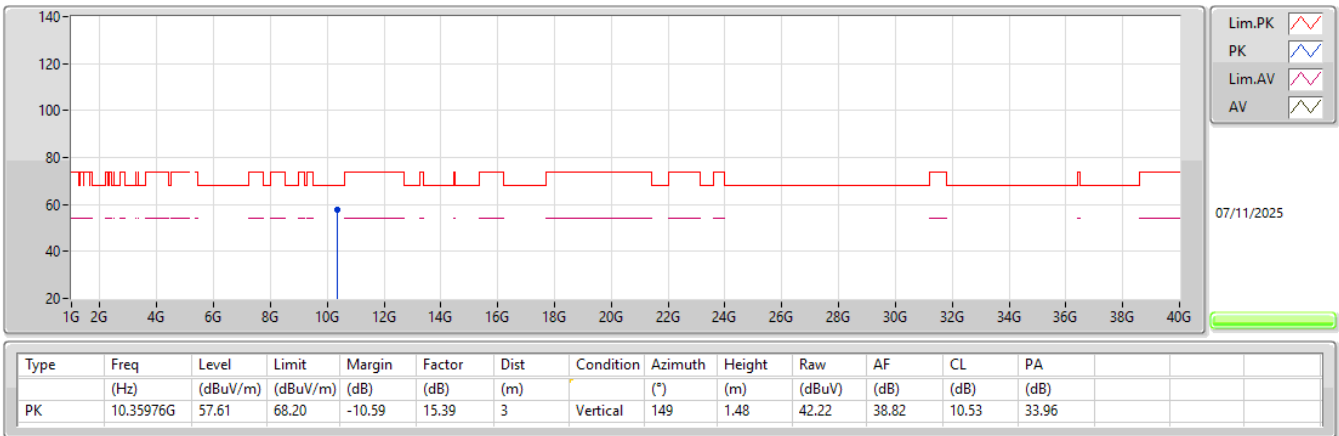
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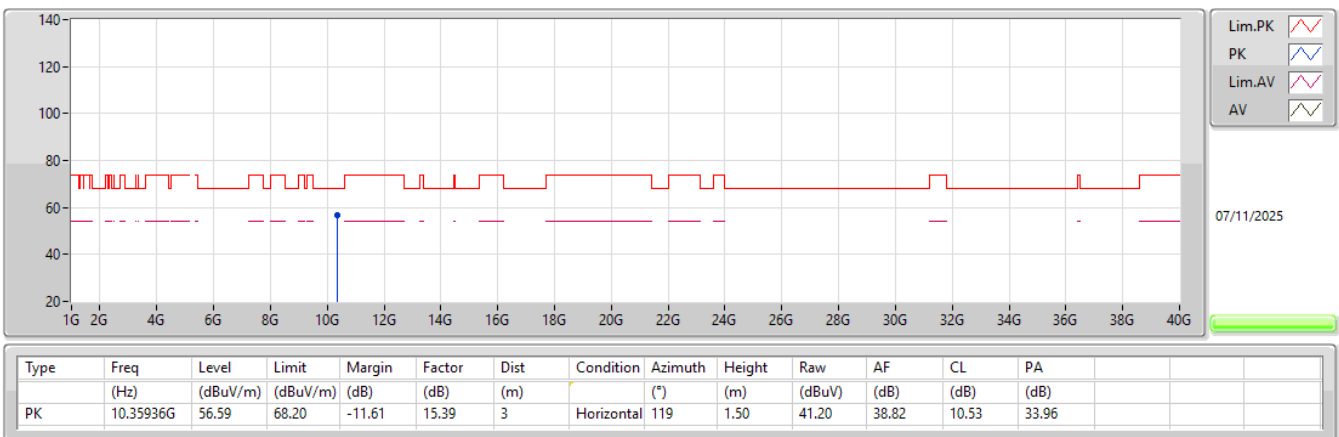
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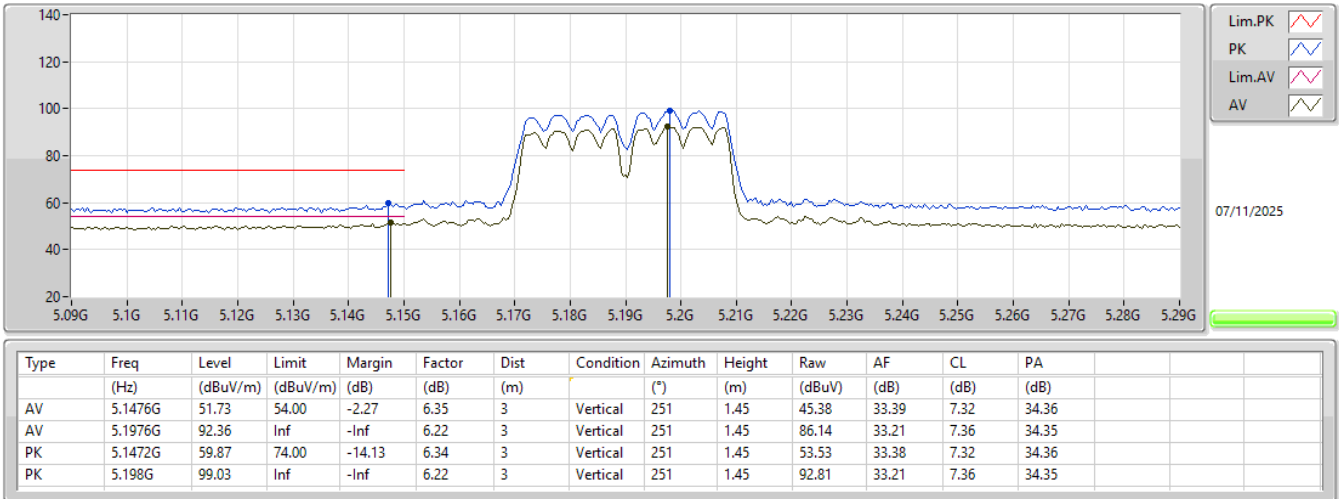
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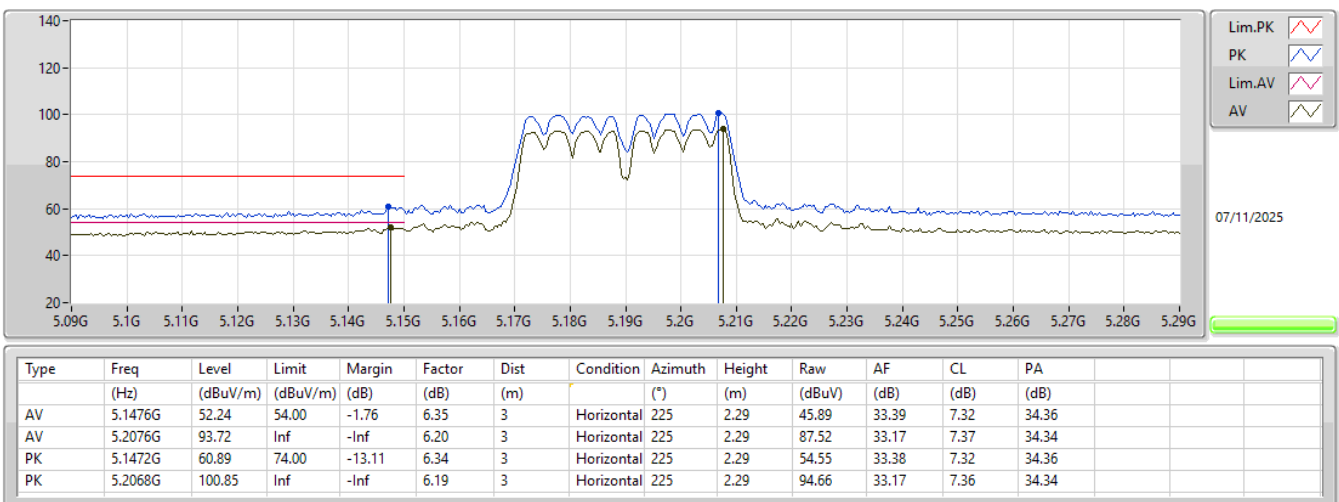
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5190MHz_TX



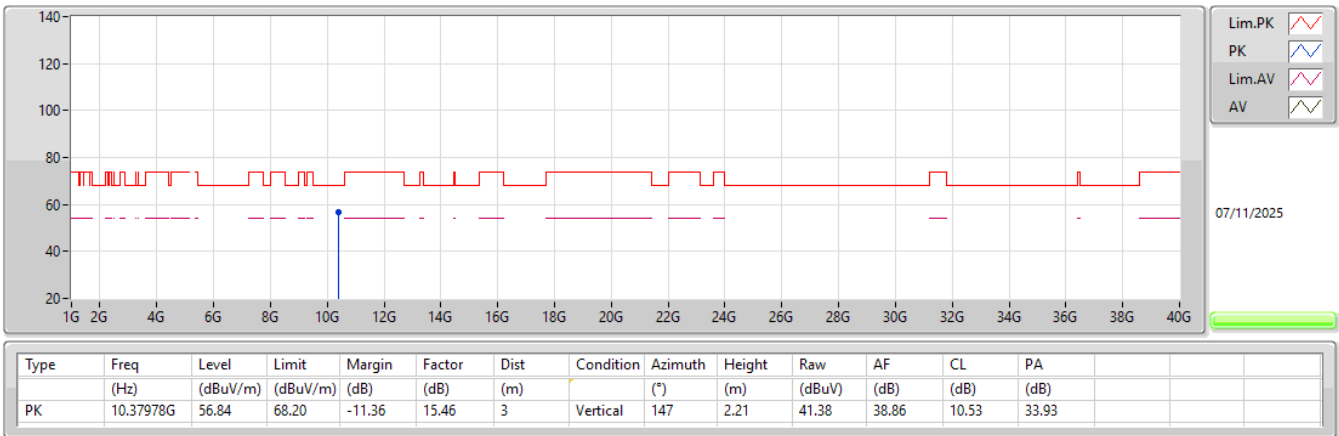
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5190MHz_TX



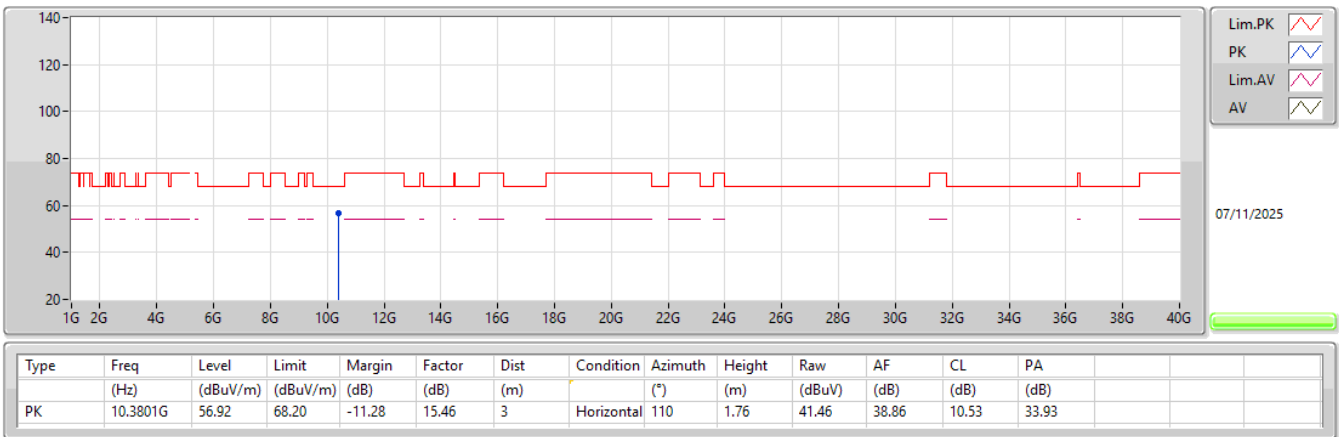
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5190MHz_TX



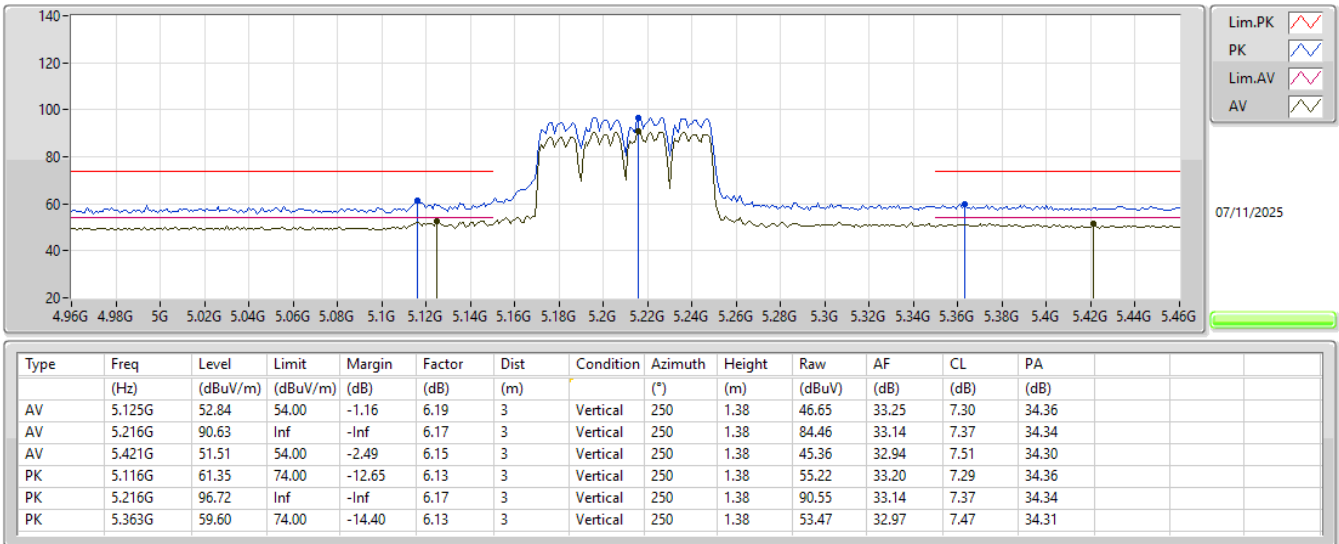
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5190MHz_TX



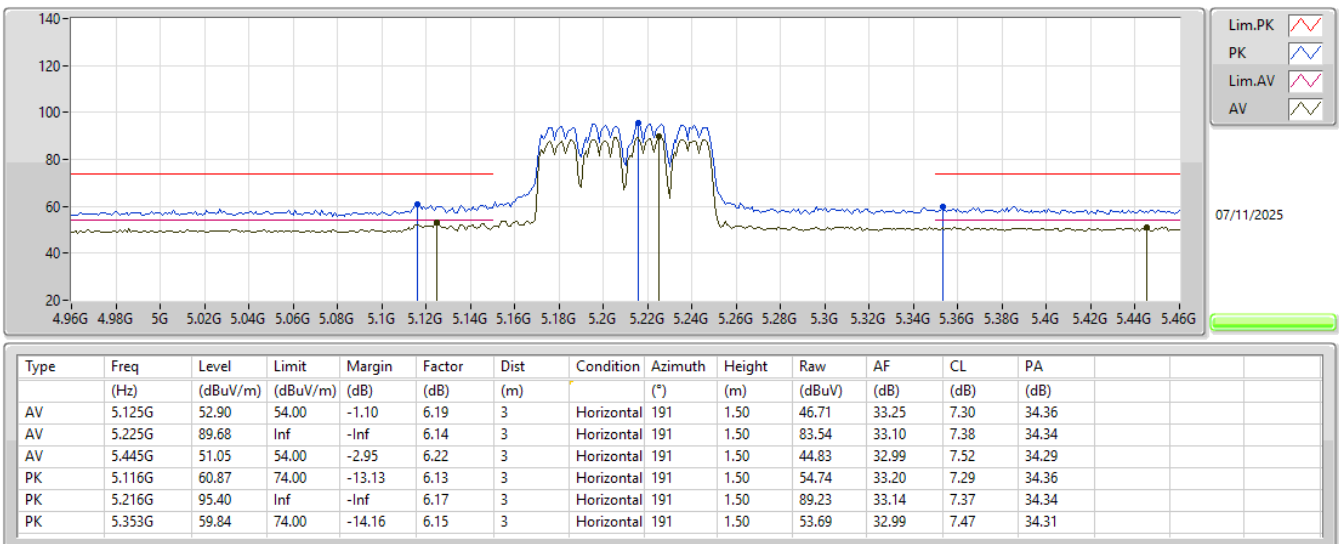
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5210MHz_TX



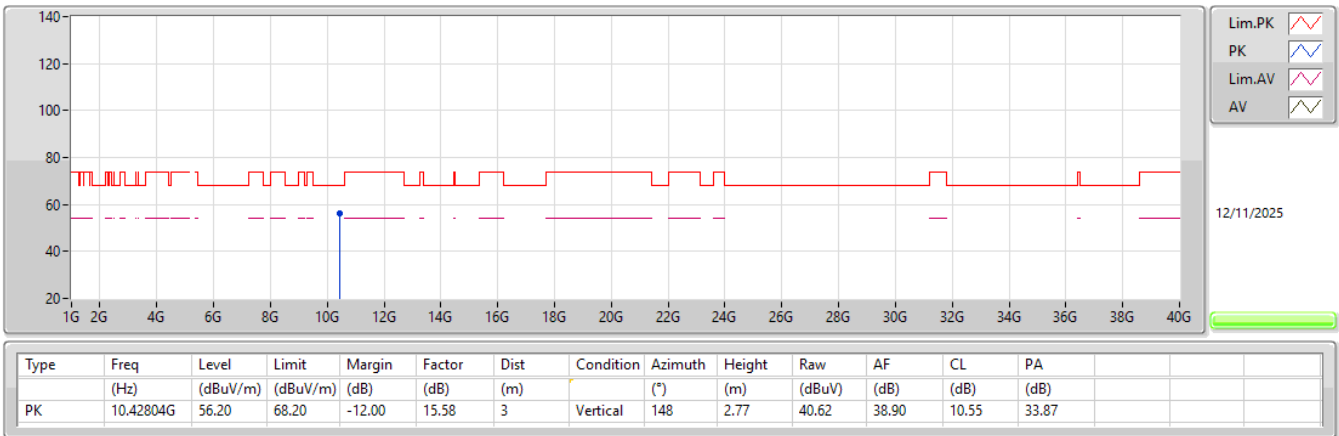
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5210MHz_TX



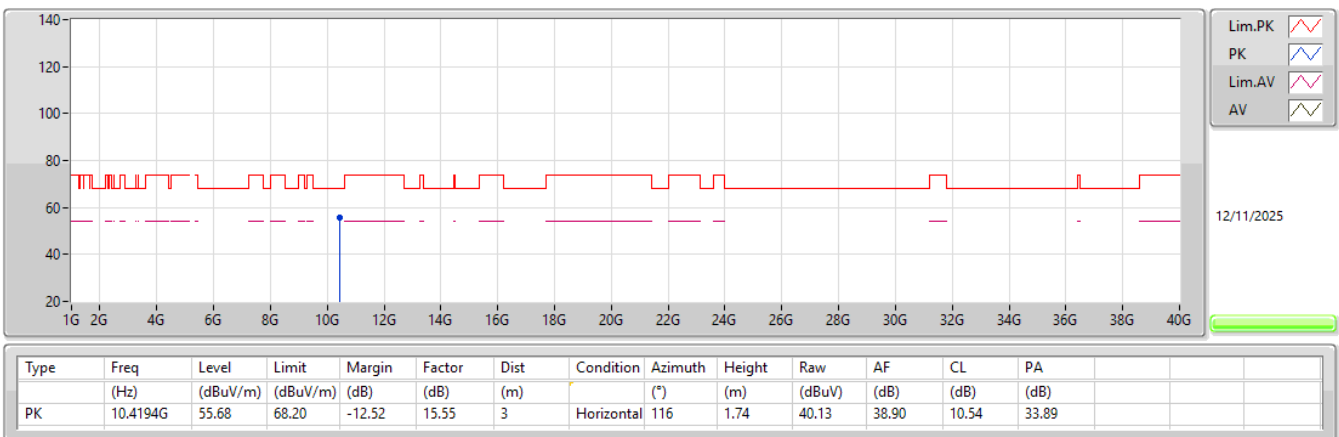
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5210MHz_TX



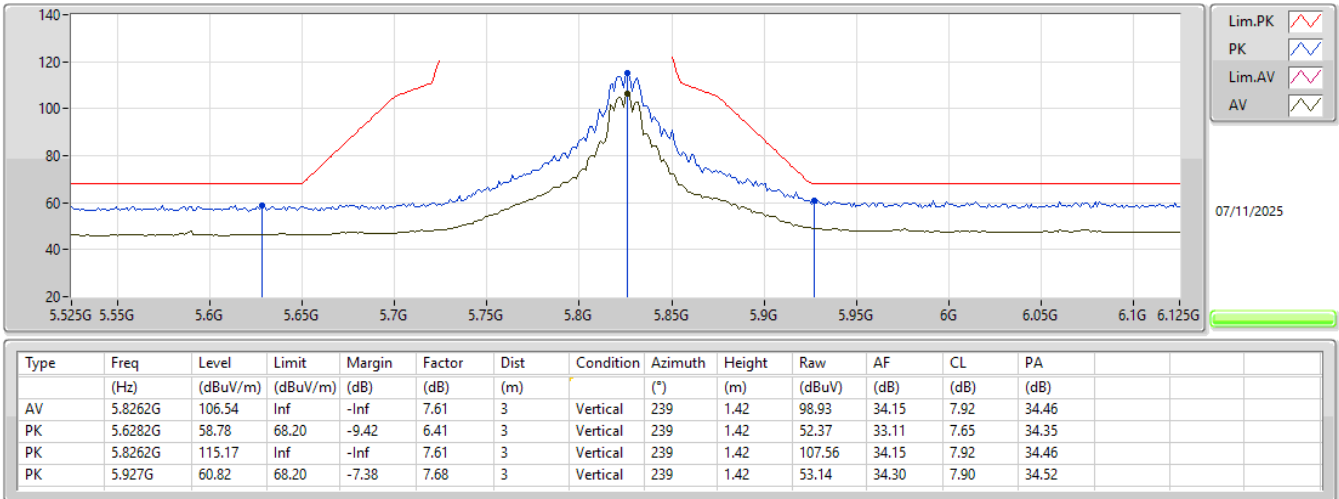
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5210MHz_TX



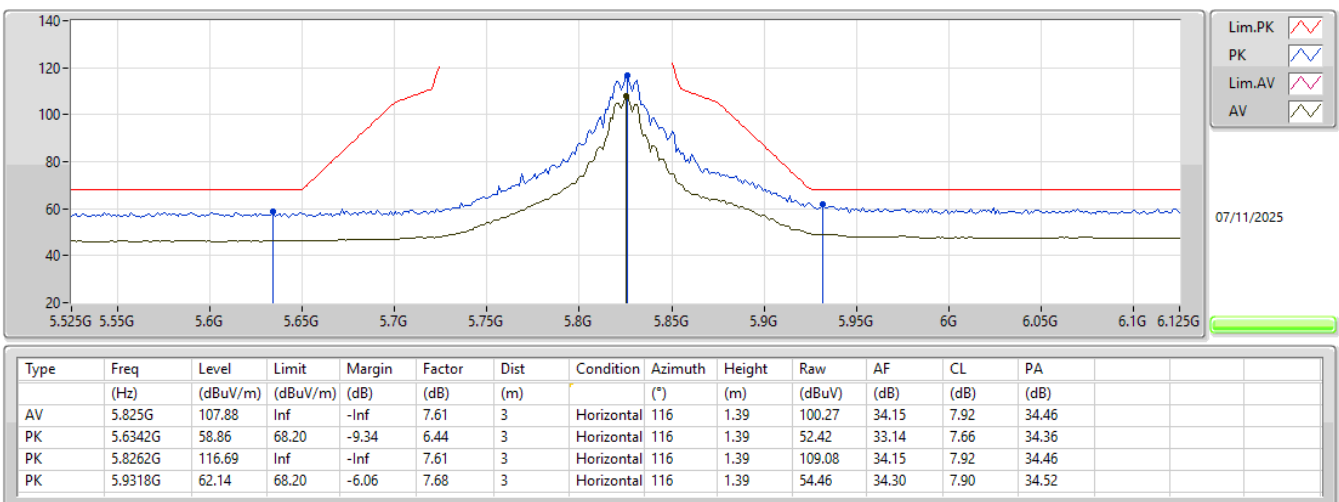
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX



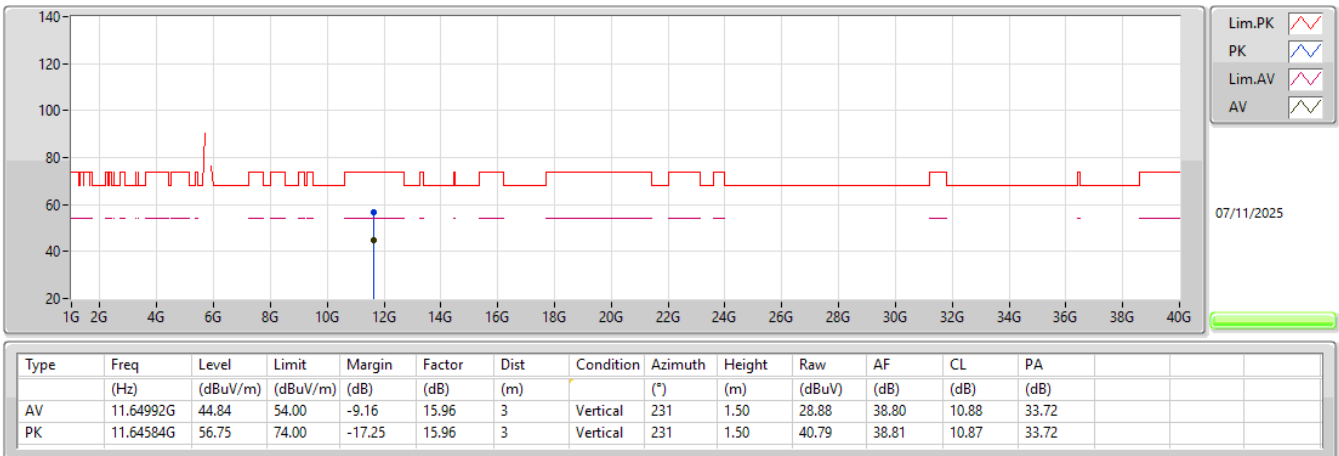
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5825MHz_TX



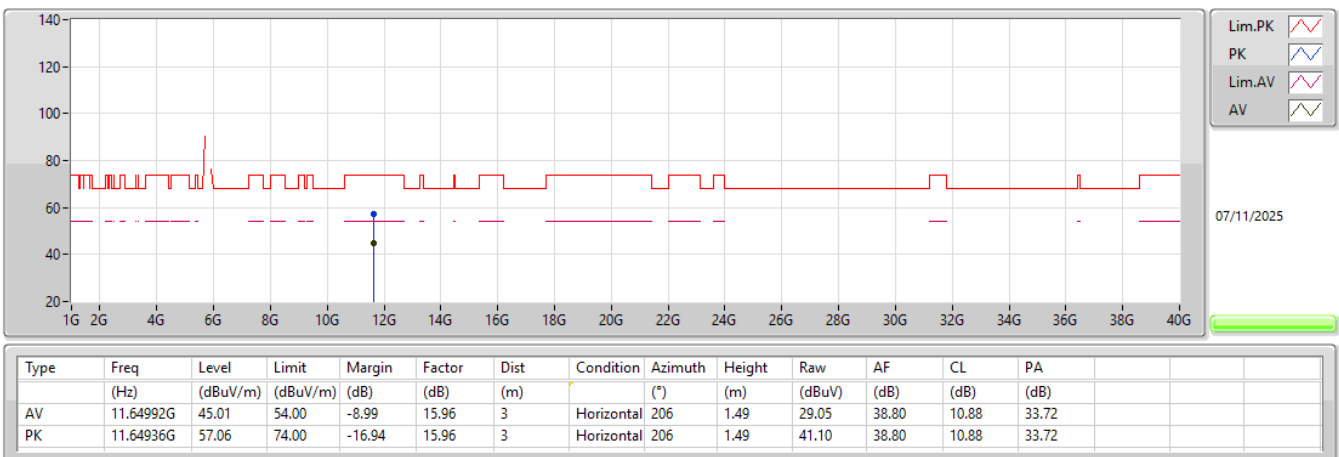
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5825MHz_TX



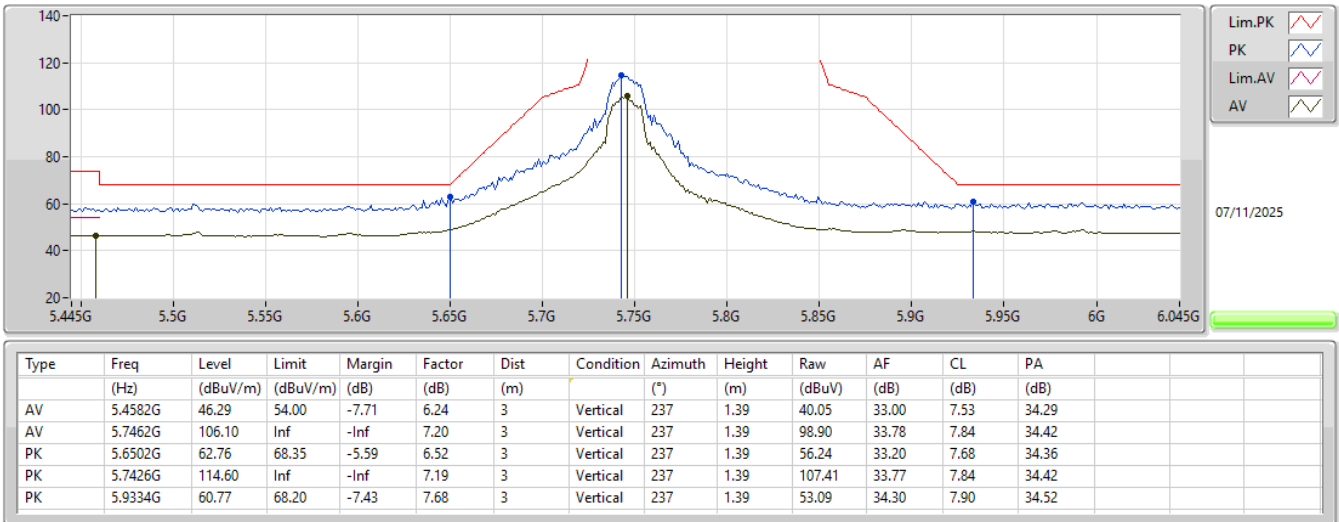
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5825MHz_TX



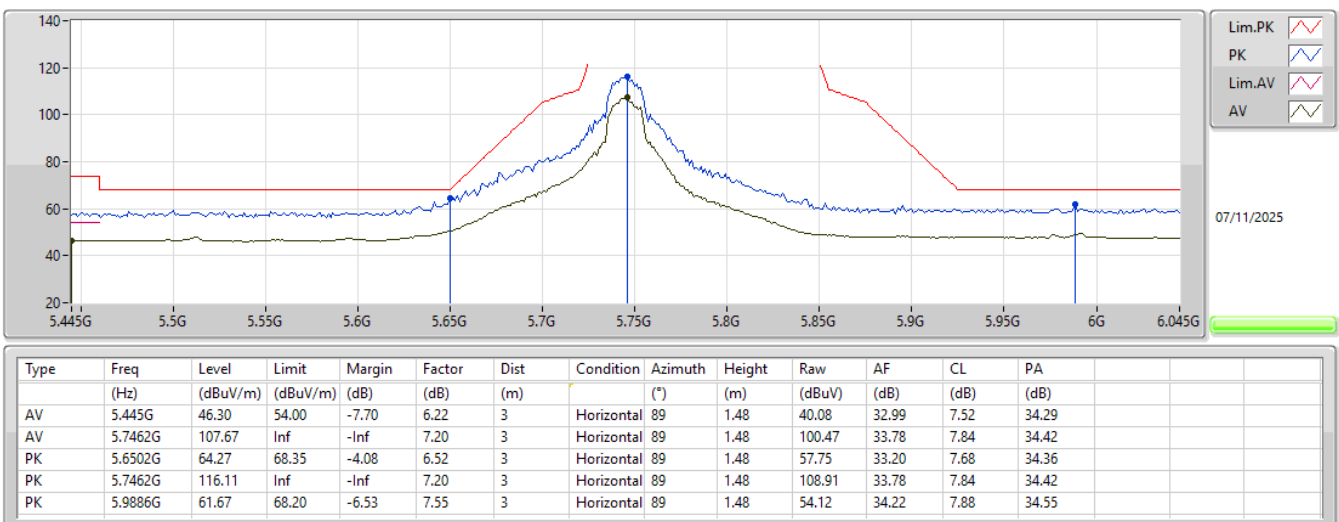
5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX



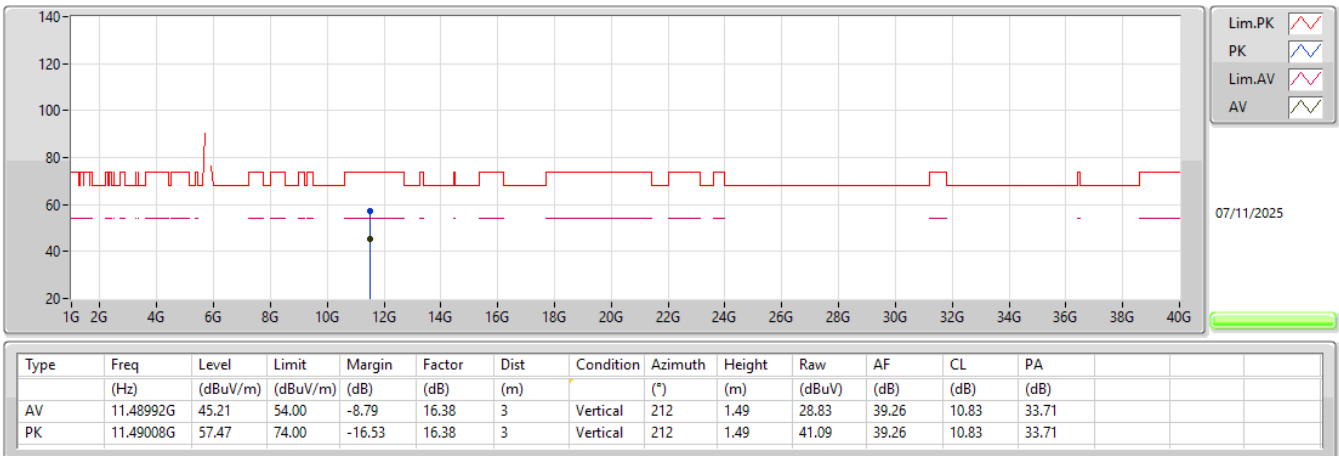
5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX



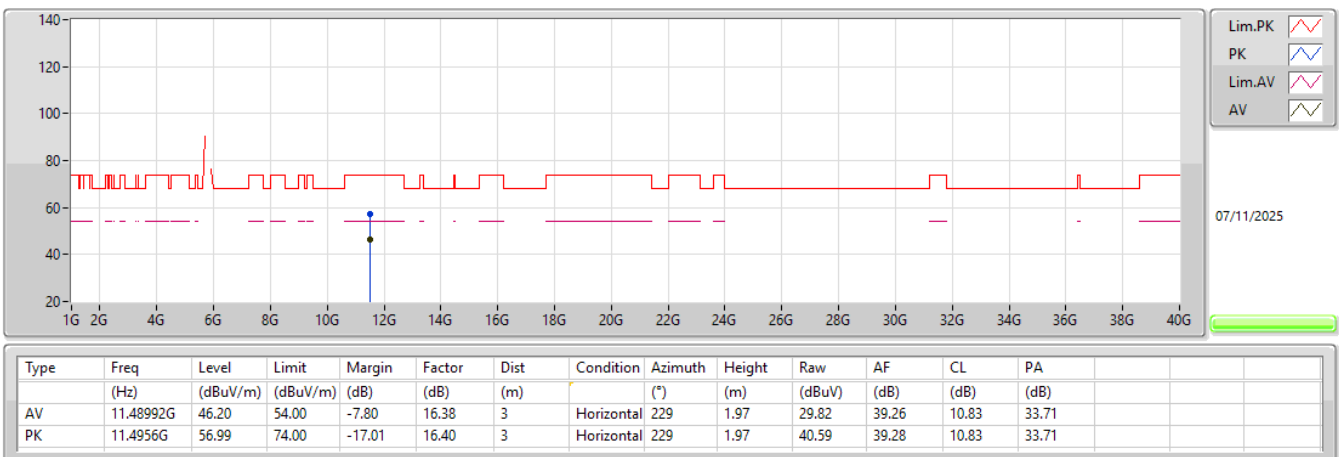
5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX



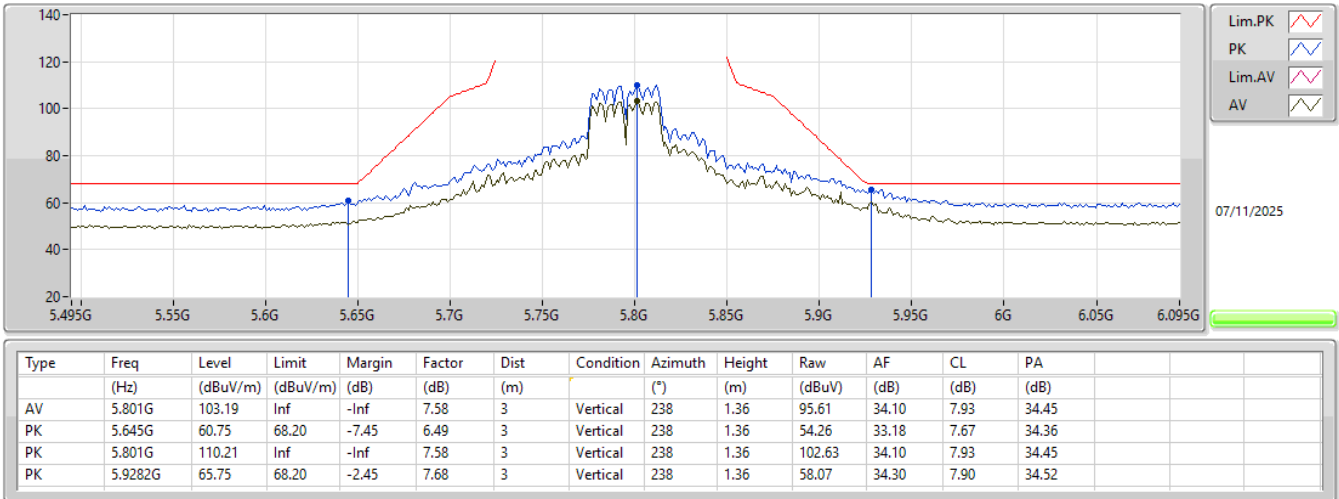
5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX



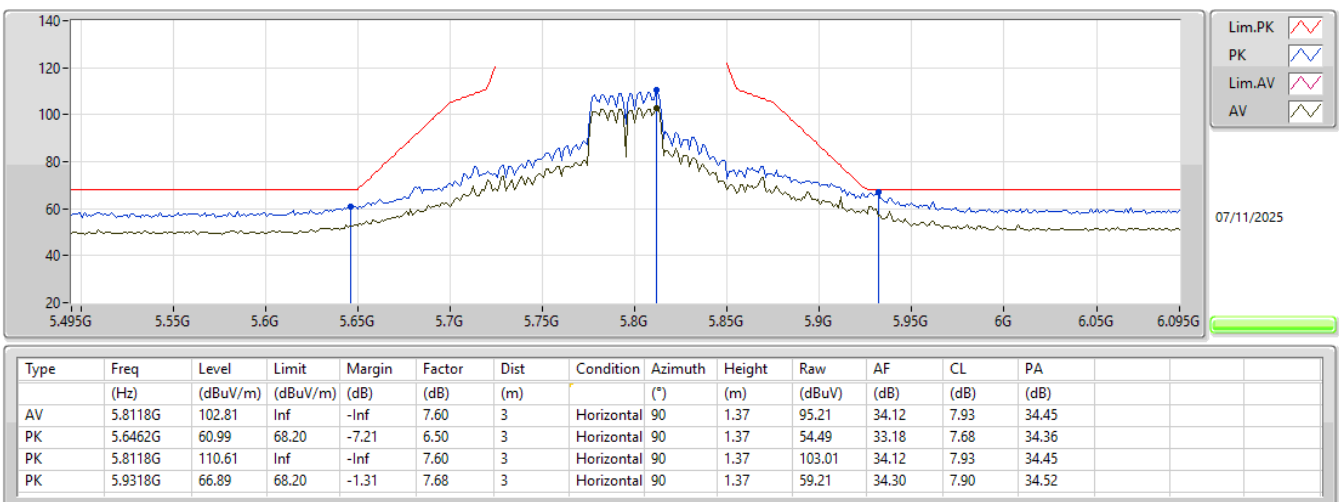
5.725-5.85GHz_802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX



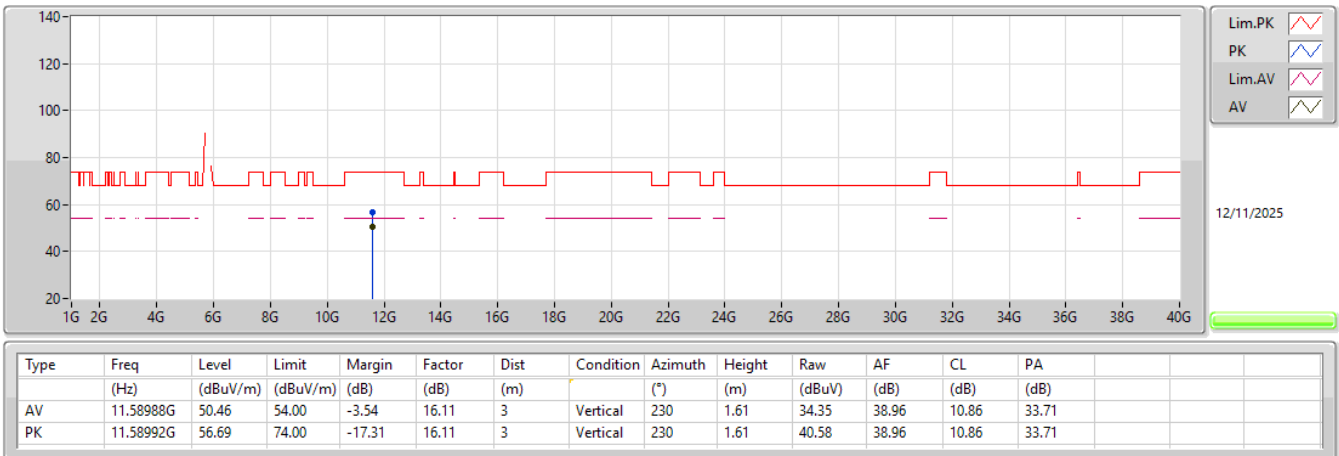
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5795MHz_TX



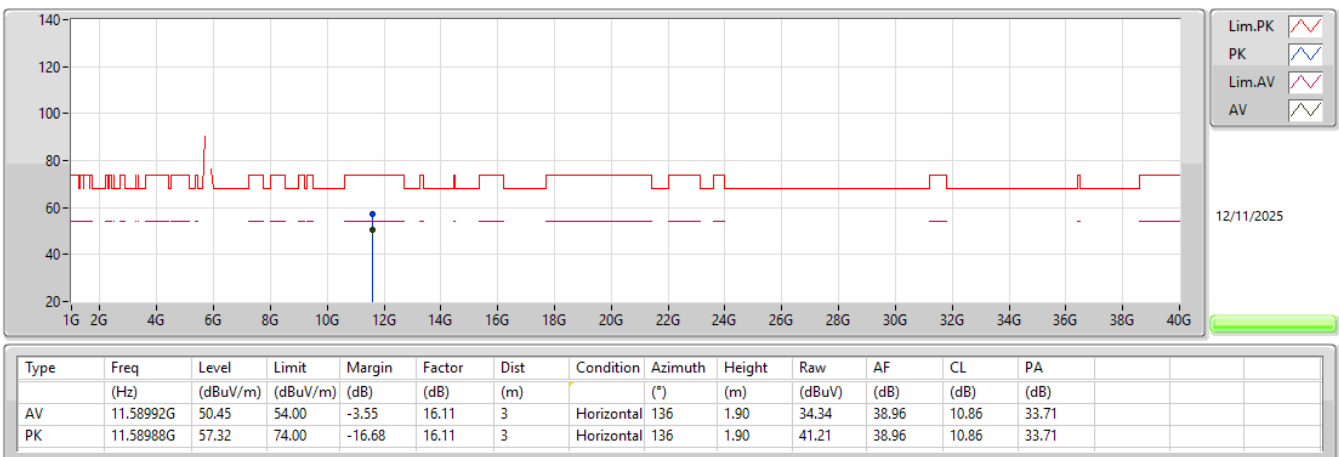
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5795MHz_TX



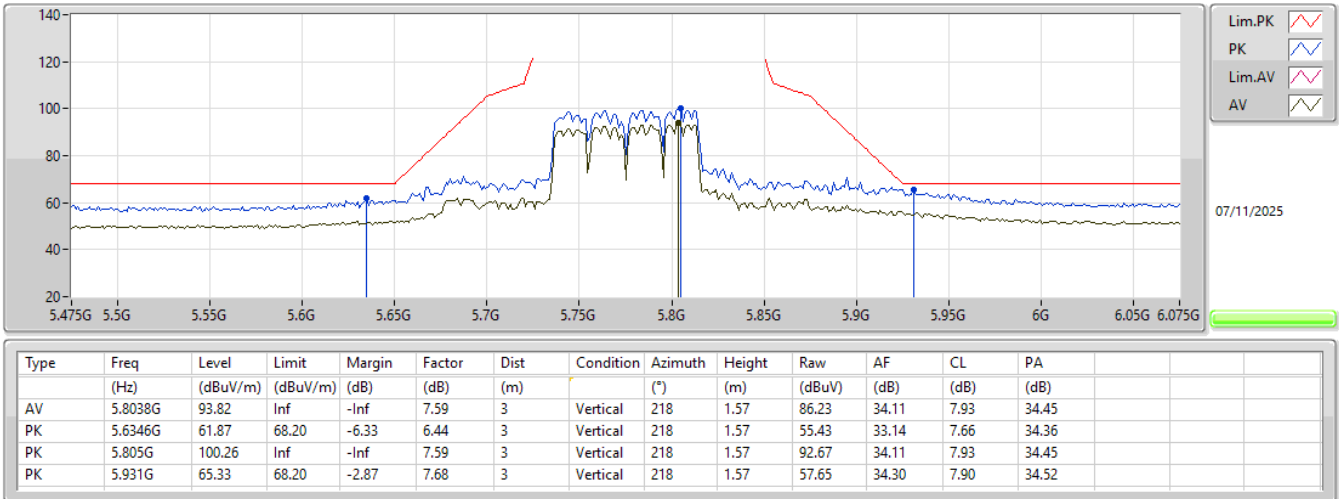
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5795MHz_TX



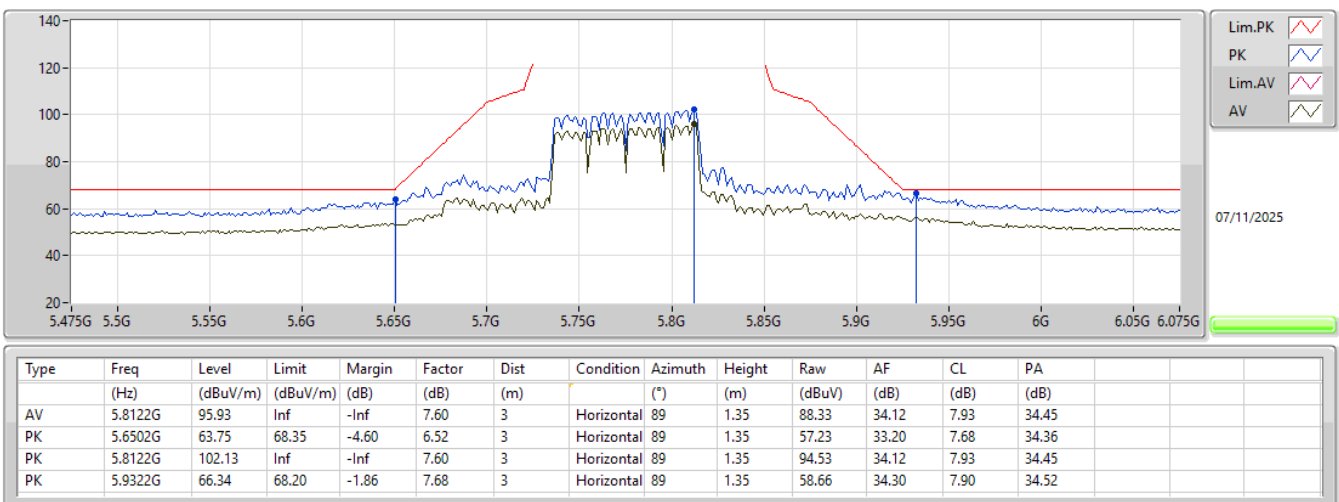
5.725-5.85GHz_802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX



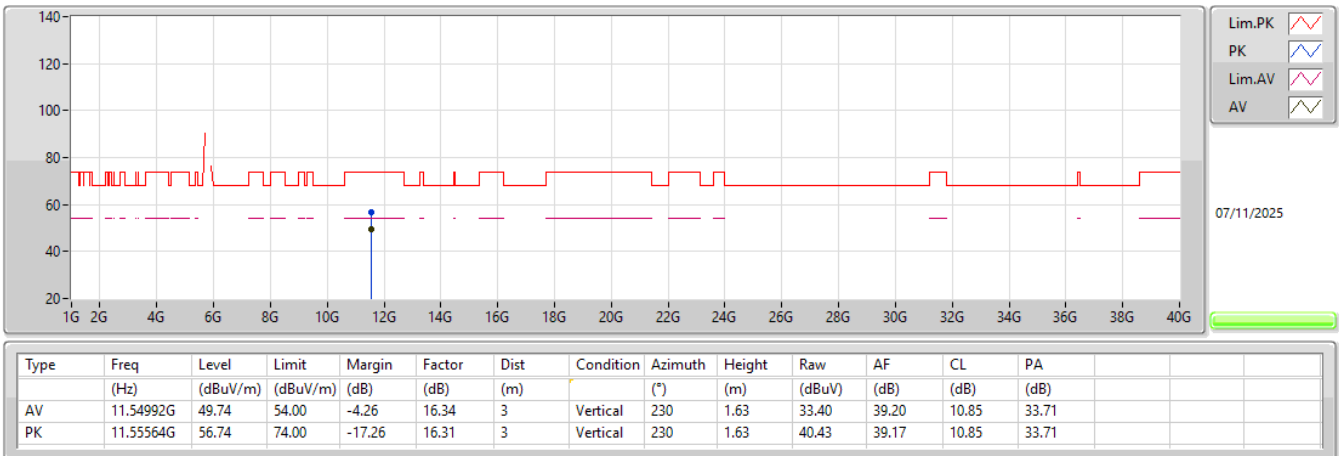
5.725-5.85GHz_802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX



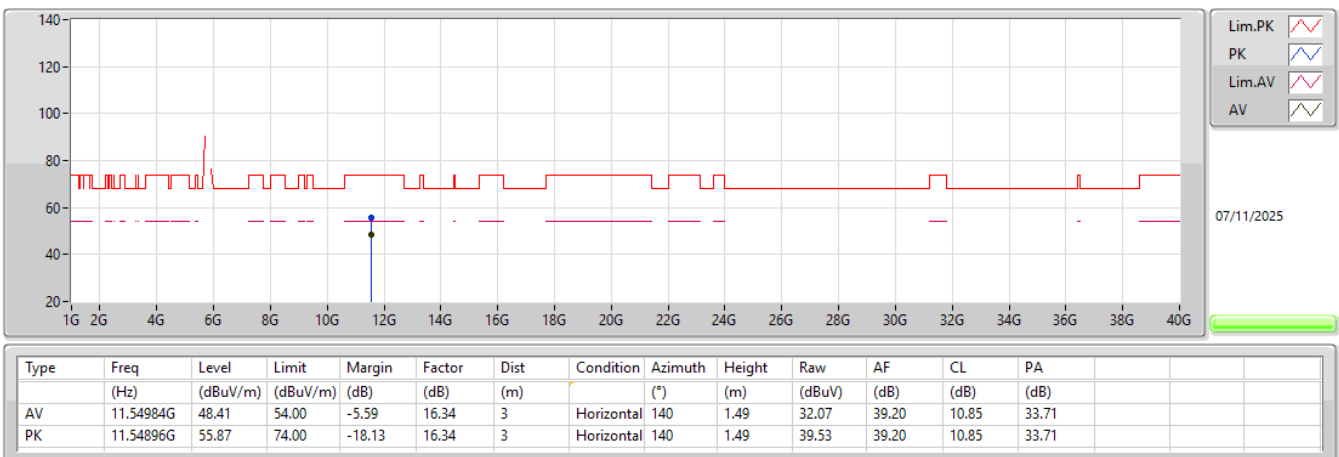
5.725-5.85GHz_802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX



5.725-5.85GHz_802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX





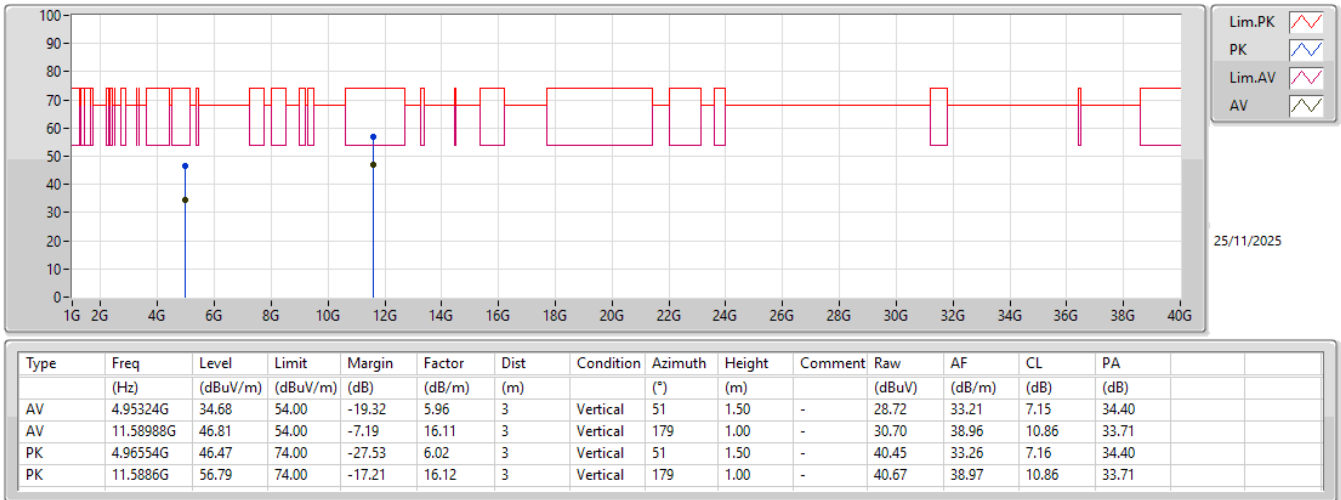
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	11.58988G	47.57	54.00	-6.43	Horizontal

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.95324G	34.68	54.00	-19.32	3	Vertical	51	1.50	-
Mode 1	Pass	AV	11.58988G	46.81	54.00	-7.19	3	Vertical	179	1.00	-
Mode 1	Pass	PK	4.96554G	46.47	74.00	-27.53	3	Vertical	51	1.50	-
Mode 1	Pass	PK	11.5886G	56.79	74.00	-17.21	3	Vertical	179	1.00	-
Mode 1	Pass	AV	4.94896G	34.64	54.00	-19.36	3	Horizontal	147	1.00	-
Mode 1	Pass	AV	11.58988G	47.57	54.00	-6.43	3	Horizontal	134	1.46	-
Mode 1	Pass	PK	4.96759G	46.49	74.00	-27.51	3	Horizontal	147	1.50	-
Mode 1	Pass	PK	11.59018G	56.74	74.00	-17.26	3	Horizontal	134	1.90	-

Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1

