

FCC Radio Test Report

Contains FCC ID : RI7LN920
FCC ID : UDX-600173020
Equipment : Z4C Teleworker Gateway
Brand Name : CISCO
Model Name : Z4C-HW
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Oct. 25, 2024, and testing was started from Nov. 04, 2024 and completed on Nov. 19, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



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History of this test report

Report No.	Version	Description	Issued Date
FR4O2509AC	01	Initial issue of report	Feb. 04, 2025

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	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

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

Comments and explanations:

The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Barry Hsiao

Report Producer: Debby Hung

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax(HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax(HEW40)	2422-2452	3-9 [7]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX

Beamforming

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

Note:

- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.
- Evaluated HEW20/HEW40 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.

1.1.2 Antenna Information

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

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

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

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

Note 1: The EUT has four antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

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

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

Note 2: Directional gain information

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
Beamforming Function	☒ With beamforming	☐ Without beamforming	
Resource Unit(802.11ax)	☒ Full RU	☐ Partial RU	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.: ...		
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.: ...		
☐	Other:		

1.1.4 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR350604AC.

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

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

1.1.5 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11b_Nss1,(1Mbps)_2TX	0.918	0.37	17.986m	100
802.11g_Nss1,(6Mbps)_2TX	0.943	0.25	1.978m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.813	0.9	5.447m	200
802.11ax HEW40_Nss1,(MCS0)_2TX	0.809	0.92	5.447m	200

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

Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.813	0.9	5.447m	200
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.809	0.92	5.447m	200

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

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013

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

- ♦ KDB 558074 D01 v05r02
- ♦ 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	Rian Chung	21.1~23.2°C / 54~58%	08/Nov/2024
Radiated (Below 1G)	03CH03-HY	Jack Tang	20.1~20.8°C / 56~60%	08/Nov/2024
Radiated (Co-location)	03CH02-HY	Vasari Huang	21.3~22.1°C / 54~57%	19/Nov/2024
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Johnny Yu	23.4~23.9°C / 52~55%	07/Nov/2024~11/Nov/2024
Radiated (Above 1G)	03CH24-HY	Andy Wang	20.1~21.3°C / 55~59%	04/Nov/2024~05/Nov/2024
Radiated (Above 1G)	03CH26-HY	Henry Ho	21.1~22.3°C / 58~62%	08/Nov/2024

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

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

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	21
2417MHz	21
2437MHz	21
2457MHz	20.5
2462MHz	20
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	18.5
2417MHz	19.5
2437MHz	21
2457MHz	19
2462MHz	18
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	19
2437MHz	21
2457MHz	18.5
2462MHz	19
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	18
2427MHz	18.5
2437MHz	18.5
2447MHz	17.5
2452MHz	16

**Beamforming**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	19
2437MHz	21
2457MHz	18.5
2462MHz	19
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	18
2427MHz	18.5
2437MHz	18.5
2447MHz	17
2452MHz	16

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

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

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

2.3 Accessories

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

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

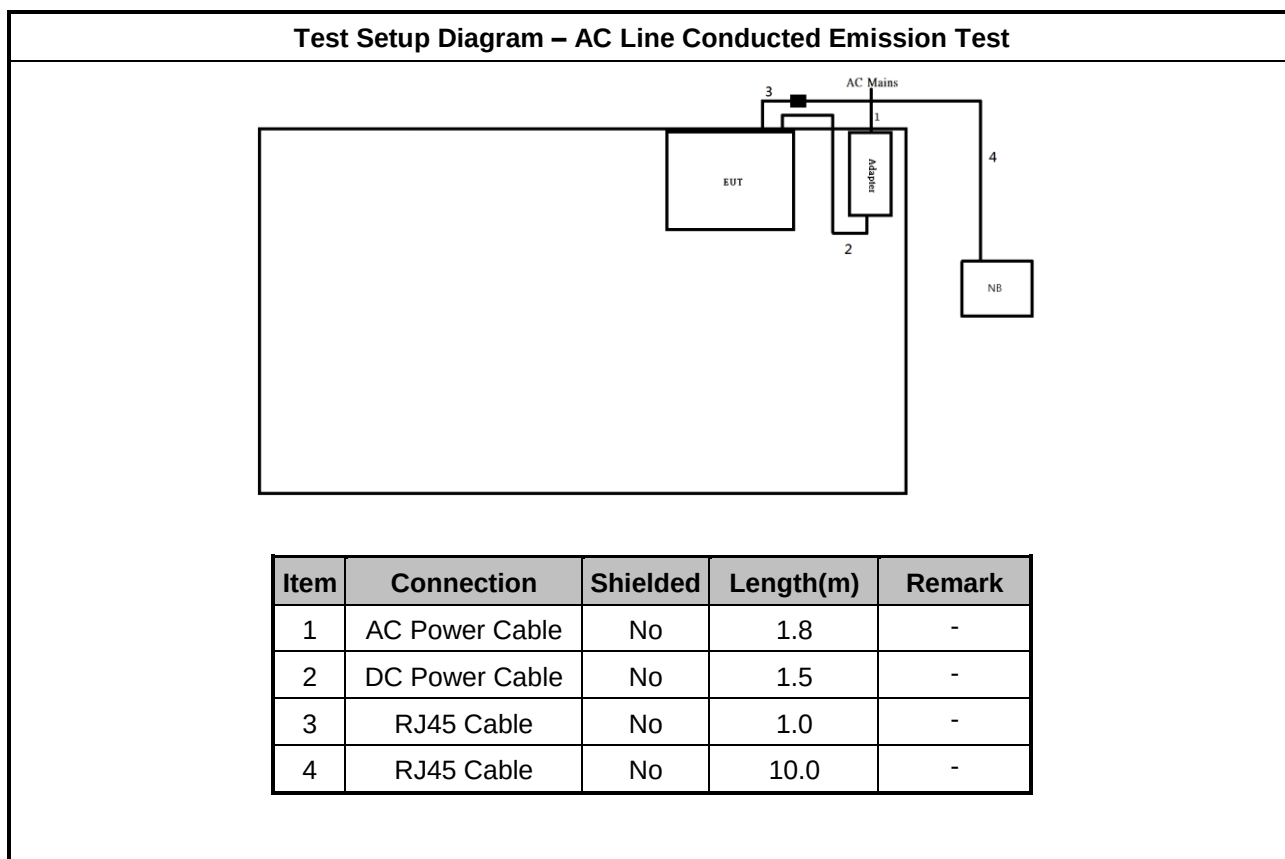
2.4 Support Equipment

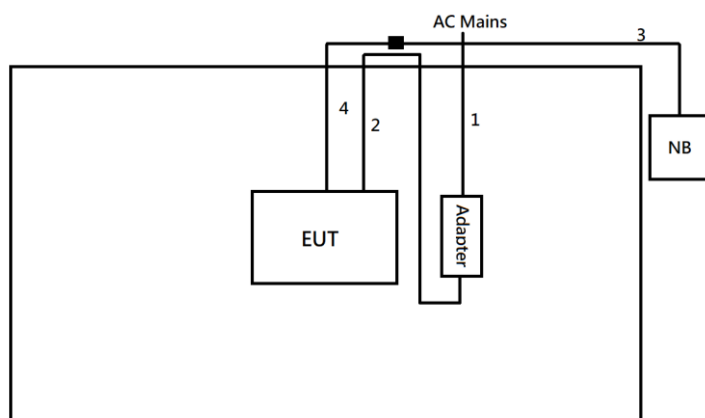
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	Powersync	TPCMRN0018	-	-
2	RJ45 Cable	Powersync	CAT-6E-10	-	-
3	Notebook	DELL	Latitude 7290	-	Remote

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

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

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test


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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

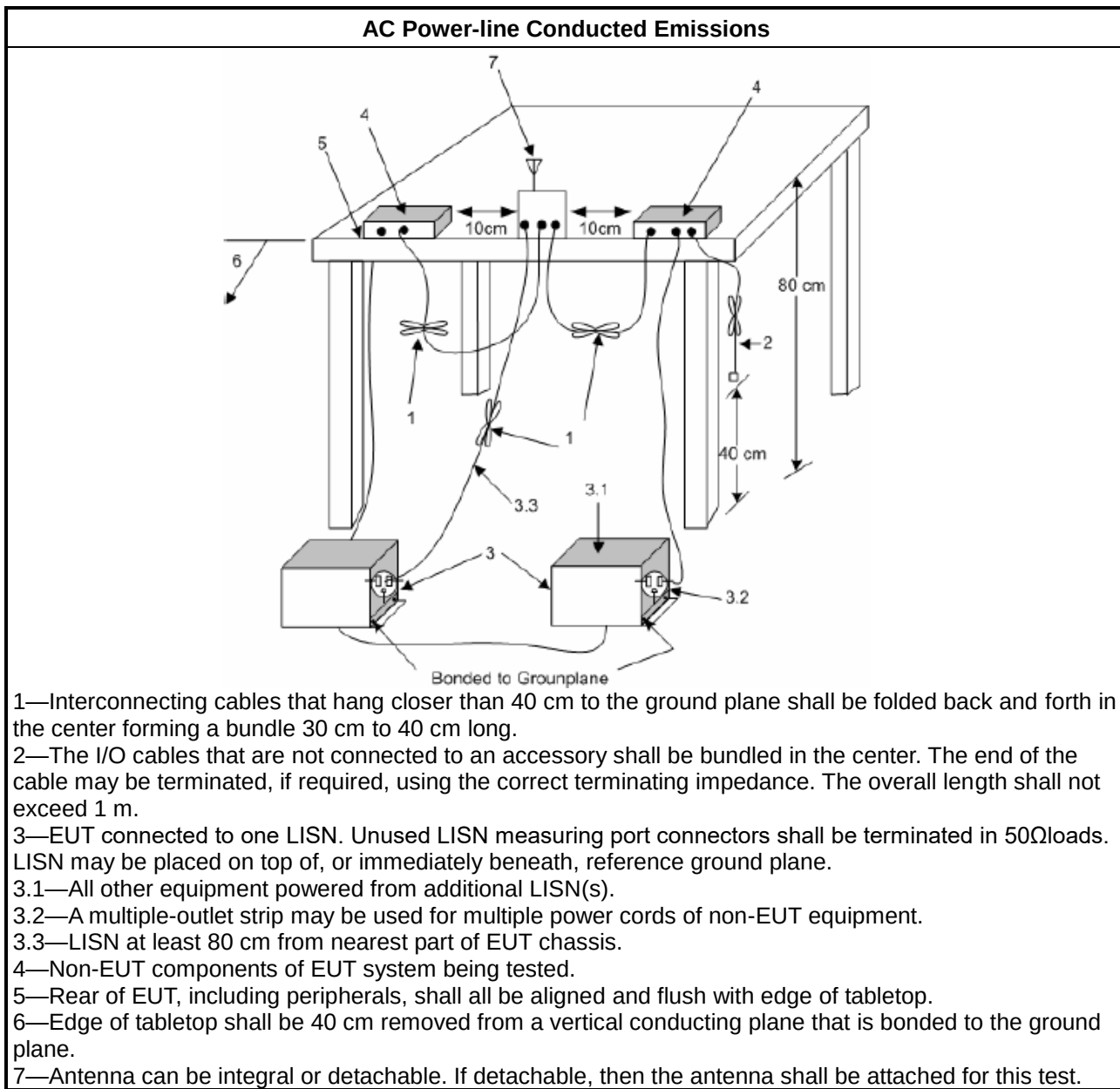
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

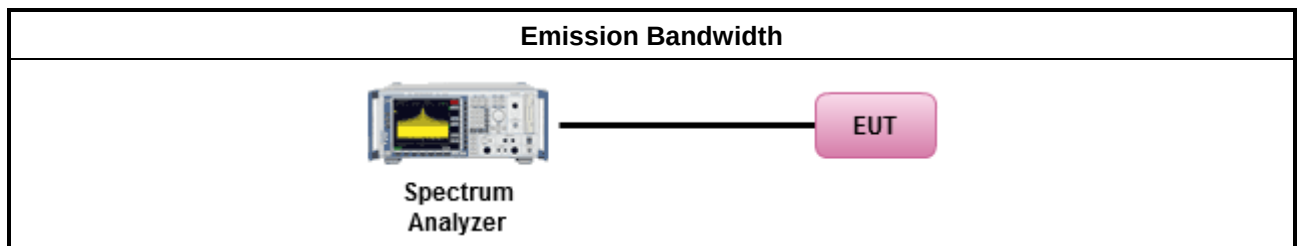
3.2.2 Measuring Instruments

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 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied 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	
	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dBm
e.i.r.p. Power Limit:	
	2400-2483.5 MHz Band
	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	Smart antenna system (SAS)
	- Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

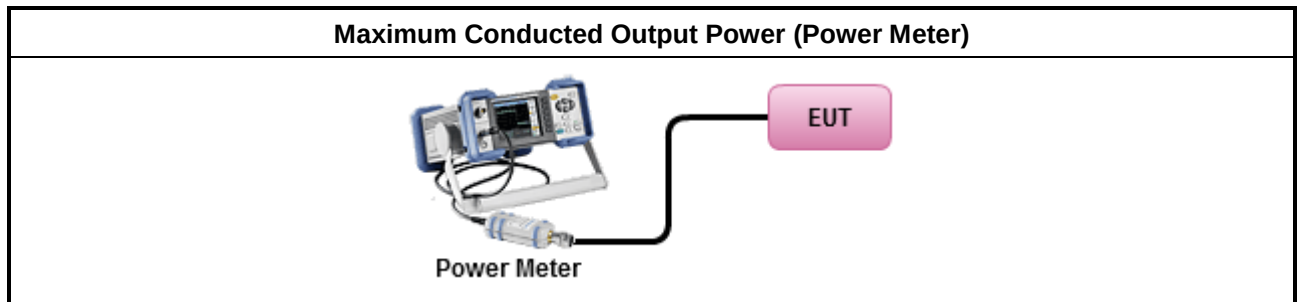
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a 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 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit	
▪	Power Spectral Density (PSD) ≤ 8 dBm/3kHz

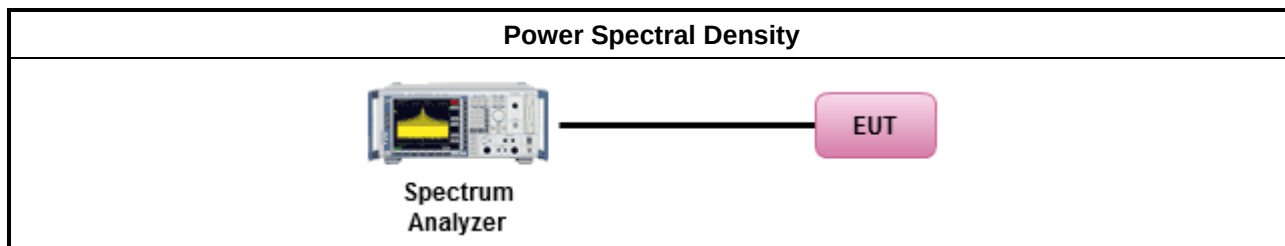
3.4.2 Measuring Instruments

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. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
▪	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.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.	

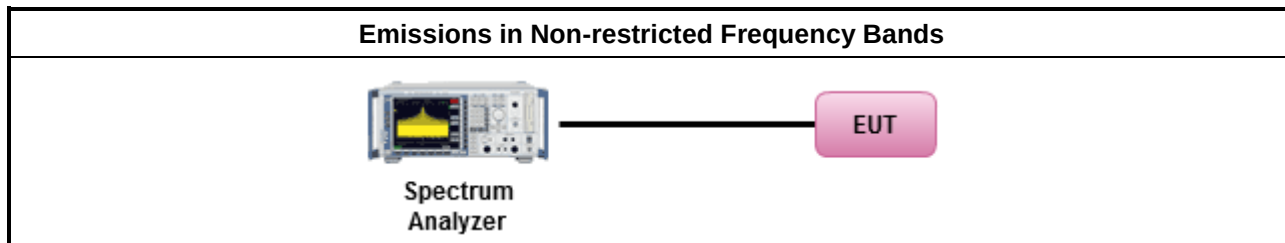
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions 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.

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

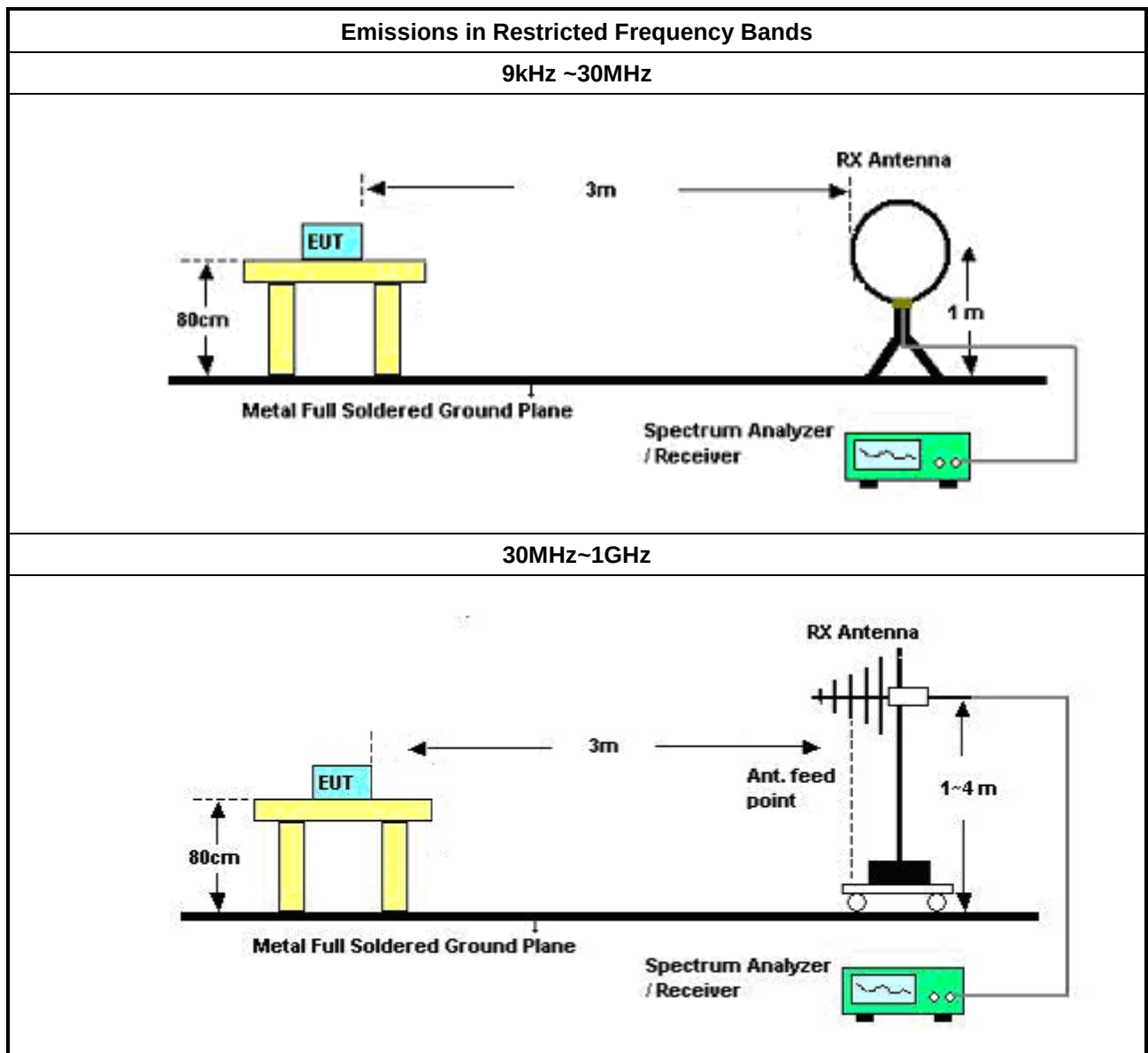
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
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.

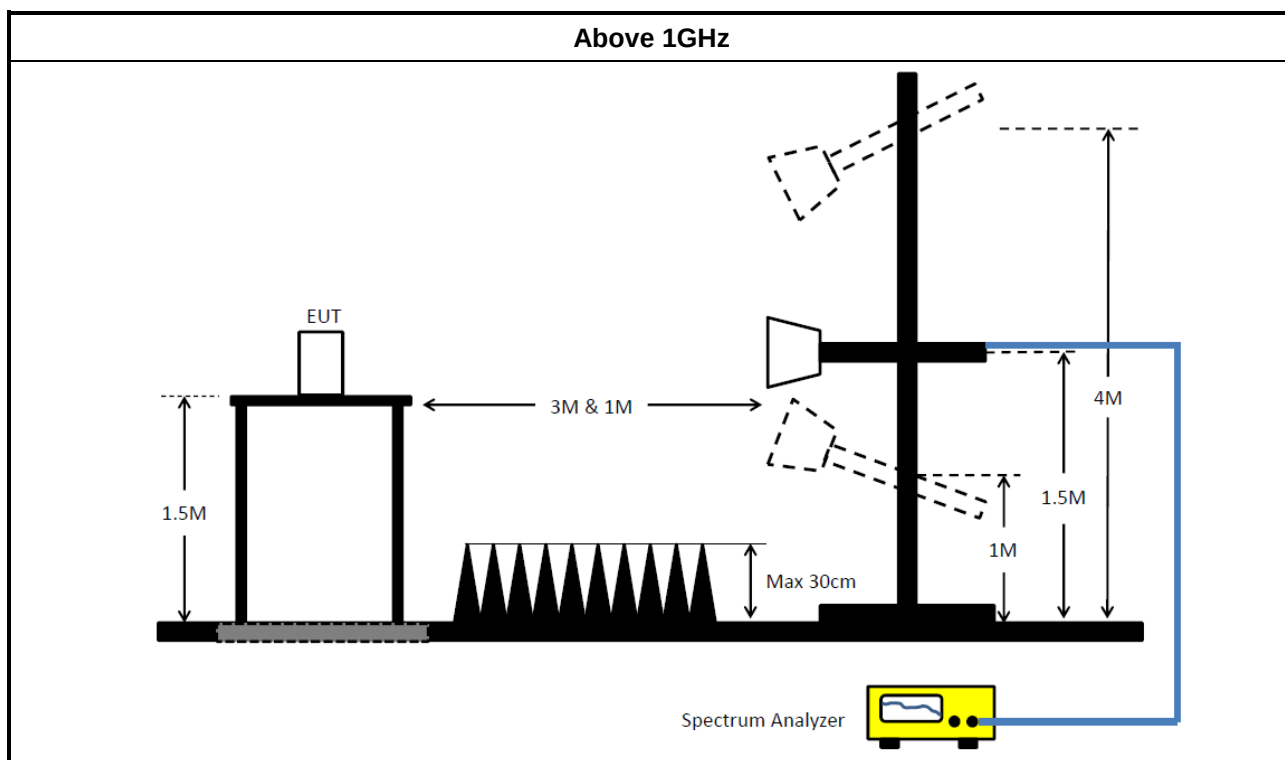
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





3.6.6 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

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

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	28/Oct/2024	27/Oct/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	01/Apr/2024	31/Mar/2025
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	02/Apr/2024	01/Apr/2025
SENSE-15247_DTS	Sporton	V5.11.20	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	03CH02-HY	1GHz~18GHz 3m	14/Jul/2024	13/Jul/2025
Signal Analyzer	R&S	FSP 40	100593	9kHz~40GHz	11/Mar/2024	10/Mar/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable-R03m	HUBER+SUHNE R	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	15/Feb/2024	14/Feb/2025
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	19/Apr/2024	18/Apr/2025
SENSE-EMI	Sporton	V5.11.9	N/A	N/A	N/A	N/A

**Instrument for Radiated Test_ 03CH03-HY**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	14/Jul/2024	13/Jul/2025
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	03/May/2024	02/May/2025
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	01/Nov/2024	31/Oct/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	14/Oct/2024	13/Oct/2025
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	12/Jun/2024	11/Jun/2025
RF Cable-R03m	Jye Bao	RG142	03CH03-cable-02	30MHz~1GHz	12/Jun/2024	11/Jun/2025
Amplifier	Aglient	8447D	2944A08033	100kHz~1.3GHz	13/Sep/2024	12/Sep/2025
SENSE-15247-DTS	Sporton	V5.11.20	NA	NA	NA	NA

Instrument for Radiated Test_ 03CH24-HY

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	1GHz~18GHz 3m	30/Jul/2024	29/Jul/2025
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101345	10Hz~44GHz	27/Aug/2024	26/Aug/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02744	1GHz~18GHz	15/Aug/2024	14/Aug/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	05/Jun/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	03CH24-CABLE-01	1GHz~40GHz	01/Oct/2024	30/Sep/2025
Amplifier	EM	EM01G18G	060870	1GHz ~18GHz	12/Aug/2024	11/Aug/2025
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	19/Apr/2024	18/Apr/2025
SENSE-15247-DTS	Sporton	V5.11.20	NA	NA	NA	NA

**Instrument for Radiated Test_03CH26-HY**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH26-HY	1GHz~18GHz 3m	07/Aug/2024	06/Aug/2025
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101411	10Hz~44GHz	09/Oct/2024	08/Oct/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02877	1GHz~18GHz	11/Jul/2024	10/Jul/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB009	1GHz~40GHz	21/Oct/2024	20/Oct/2025
Preamplifier	SGH	PRAMP 118-H	20230515-4	1GHz ~18GHz	24/May/2024	23/May/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	19/Apr/2024	18/Apr/2025
SENSE-15247-DTS	Sporton	V5.11.20	NA	NA	NA	NA



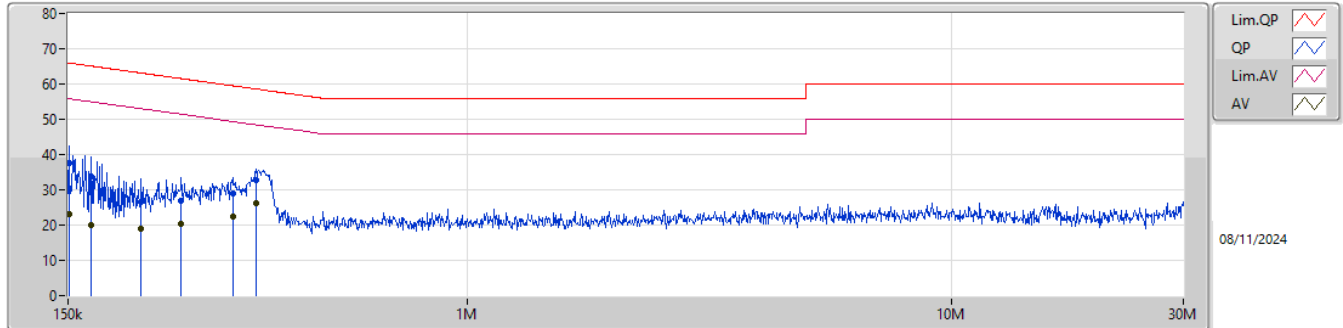
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	374.207k	29.16	48.41	-19.25	Neutral

Result

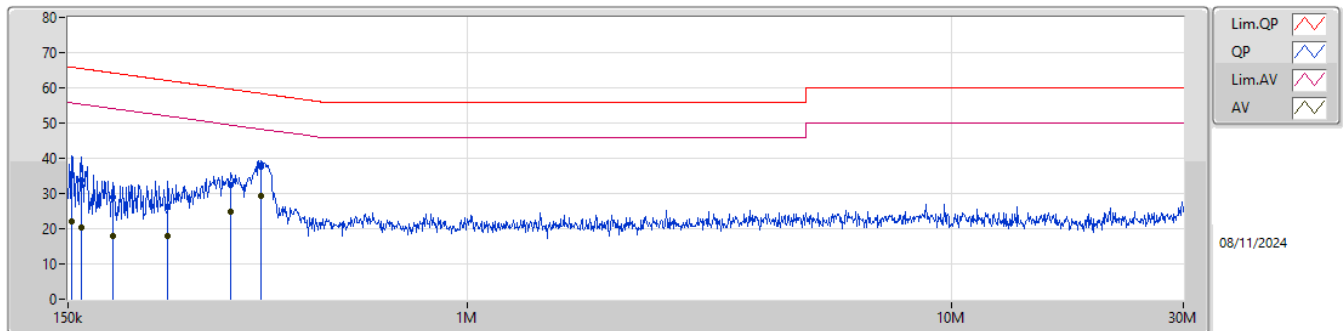
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150.6k	37.66	65.96	-28.30	Line
Mode 1	Pass	AV	150.6k	23.14	55.96	-32.82	Line
Mode 1	Pass	QP	167.739k	33.83	65.06	-31.23	Line
Mode 1	Pass	AV	167.739k	20.12	55.06	-34.94	Line
Mode 1	Pass	QP	212.287k	26.69	63.11	-36.42	Line
Mode 1	Pass	AV	212.287k	18.89	53.11	-34.22	Line
Mode 1	Pass	QP	257.124k	27.05	61.53	-34.48	Line
Mode 1	Pass	AV	257.124k	20.22	51.53	-31.31	Line
Mode 1	Pass	QP	328.019k	29.08	59.50	-30.42	Line
Mode 1	Pass	AV	328.019k	22.39	49.50	-27.11	Line
Mode 1	Pass	QP	366.811k	32.62	58.58	-25.96	Line
Mode 1	Pass	AV	366.811k	26.37	48.58	-22.21	Line
Mode 1	Pass	QP	152.414k	35.45	65.87	-30.42	Neutral
Mode 1	Pass	AV	152.414k	21.93	55.87	-33.94	Neutral
Mode 1	Pass	QP	159.893k	33.67	65.46	-31.79	Neutral
Mode 1	Pass	AV	159.893k	20.47	55.46	-34.99	Neutral
Mode 1	Pass	QP	186.085k	28.91	64.20	-35.29	Neutral
Mode 1	Pass	AV	186.085k	17.99	54.20	-36.21	Neutral
Mode 1	Pass	QP	241.214k	26.36	62.06	-35.70	Neutral
Mode 1	Pass	AV	241.214k	18.09	52.06	-33.97	Neutral
Mode 1	Pass	QP	325.41k	32.35	59.58	-27.23	Neutral
Mode 1	Pass	AV	325.41k	24.89	49.58	-24.69	Neutral
Mode 1	Pass	QP	374.207k	37.46	58.41	-20.95	Neutral
Mode 1	Pass	AV	374.207k	29.16	48.41	-19.25	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	150.6k	37.66	65.96	-28.30	19.70	Line	-	17.96	9.66	0.07	9.97						
AV	150.6k	23.14	55.96	-32.82	19.70	Line	-	3.44	9.66	0.07	9.97						
QP	167.739k	33.83	65.06	-31.23	19.70	Line	-	14.13	9.66	0.07	9.97						
AV	167.739k	20.12	55.06	-34.94	19.70	Line	-	0.42	9.66	0.07	9.97						
QP	212.287k	26.69	63.11	-36.42	19.71	Line	-	6.98	9.65	0.09	9.97						
AV	212.287k	18.89	53.11	-34.22	19.71	Line	-	-0.82	9.65	0.09	9.97						
QP	257.124k	27.05	61.53	-34.48	19.72	Line	-	7.33	9.65	0.10	9.97						
AV	257.124k	20.22	51.53	-31.31	19.72	Line	-	0.50	9.65	0.10	9.97						
QP	328.019k	29.08	59.50	-30.42	19.74	Line	-	9.34	9.65	0.11	9.98						
AV	328.019k	22.39	49.50	-27.11	19.74	Line	-	2.65	9.65	0.11	9.98						
QP	366.811k	32.62	58.58	-25.96	19.75	Line	-	12.87	9.65	0.12	9.98						
AV	366.811k	26.37	48.58	-22.21	19.75	Line	-	6.62	9.65	0.12	9.98						

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	152.414k	35.45	65.87	-30.42	19.64	Neutral	-	15.81	9.60	0.07	9.97						
AV	152.414k	21.93	55.87	-33.94	19.64	Neutral	-	2.29	9.60	0.07	9.97						
QP	159.893k	33.67	65.46	-31.79	19.64	Neutral	-	14.03	9.60	0.07	9.97						
AV	159.893k	20.47	55.46	-34.99	19.64	Neutral	-	0.83	9.60	0.07	9.97						
QP	186.085k	28.91	64.20	-35.29	19.65	Neutral	-	9.26	9.60	0.08	9.97						
AV	186.085k	17.99	54.20	-36.21	19.65	Neutral	-	-1.66	9.60	0.08	9.97						
QP	241.214k	26.36	62.06	-35.70	19.67	Neutral	-	6.69	9.60	0.10	9.97						
AV	241.214k	18.09	52.06	-33.97	19.67	Neutral	-	-1.58	9.60	0.10	9.97						
QP	325.41k	32.35	59.58	-27.23	19.69	Neutral	-	12.66	9.60	0.11	9.98						
AV	325.41k	24.89	49.58	-24.69	19.69	Neutral	-	5.20	9.60	0.11	9.98						
QP	374.207k	37.46	58.41	-20.95	19.70	Neutral	-	17.76	9.60	0.12	9.98						
AV	374.207k	29.16	48.41	-19.25	19.70	Neutral	-	9.46	9.60	0.12	9.98						

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.25M	13.148M	13M1G1D	6.6M	12.969M
802.11g_Nss1,(6Mbps)_2TX	15.9M	16.888M	16M9D1D	12.35M	16.228M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.6M	18.916M	18M9D1D	15.4M	18.591M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.9M	37.731M	37M7D1D	30.05M	37.231M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; 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)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	6.625M	12.969M	6.675M	13.013M
2437MHz	Pass	500k	6.7M	13.043M	7.1M	13.148M
2462MHz	Pass	500k	6.6M	12.984M	7.25M	13.088M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.675M	16.404M	15.4M	16.338M
2437MHz	Pass	500k	15.1M	16.888M	15.8M	16.47M
2462MHz	Pass	500k	12.35M	16.228M	15.9M	16.338M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.9M	18.841M	18.6M	18.916M
2437MHz	Pass	500k	18.525M	18.641M	15.4M	18.591M
2462MHz	Pass	500k	18.025M	18.841M	17.675M	18.766M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	30.05M	37.231M	37.5M	37.681M
2437MHz	Pass	500k	37.8M	37.631M	35.8M	37.331M
2452MHz	Pass	500k	36.05M	37.731M	37.9M	37.681M

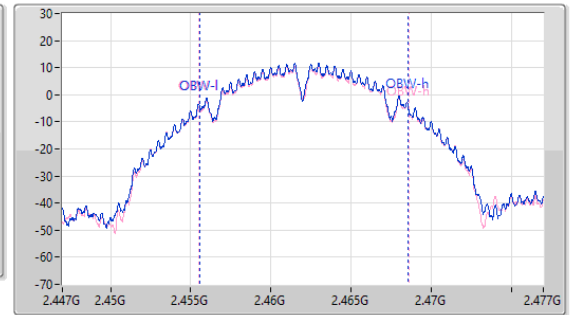
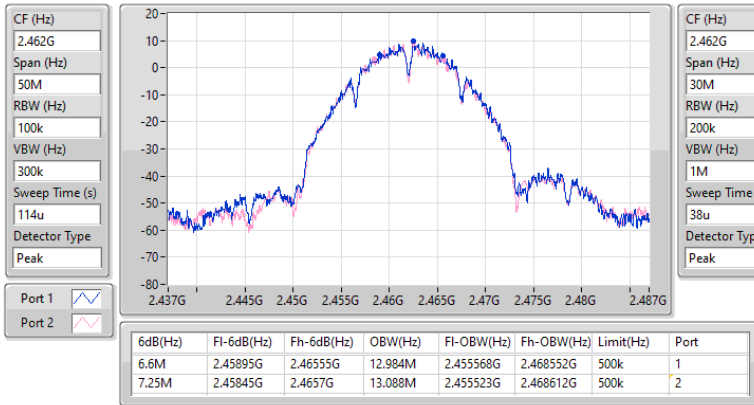
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

07/11/2024

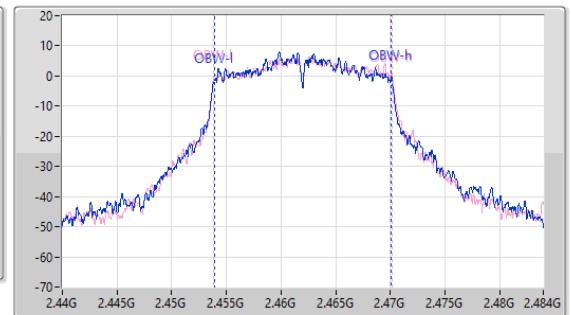
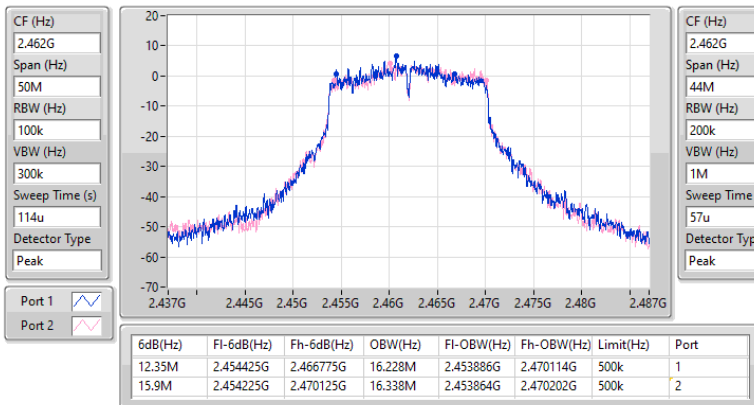


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

11/11/2024

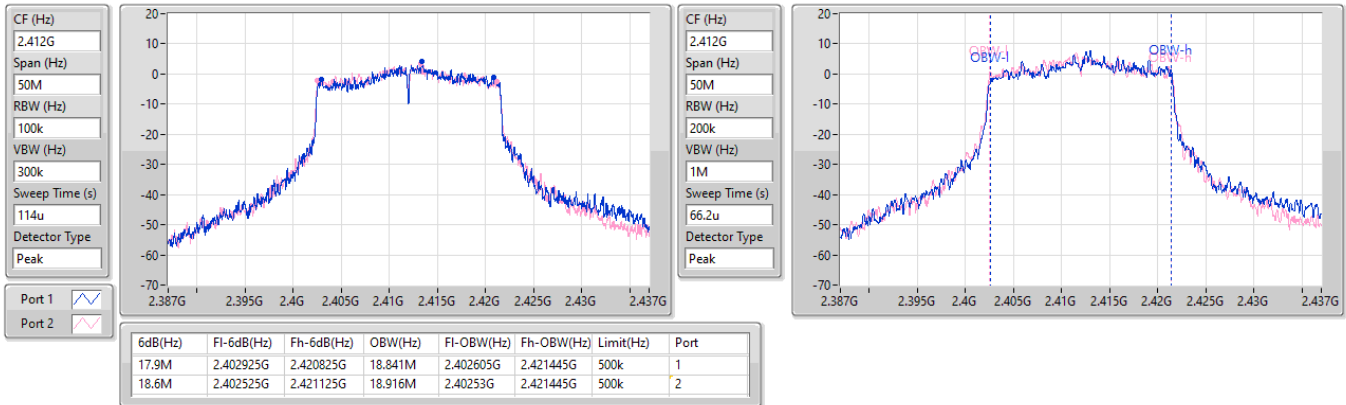


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

11/11/2024

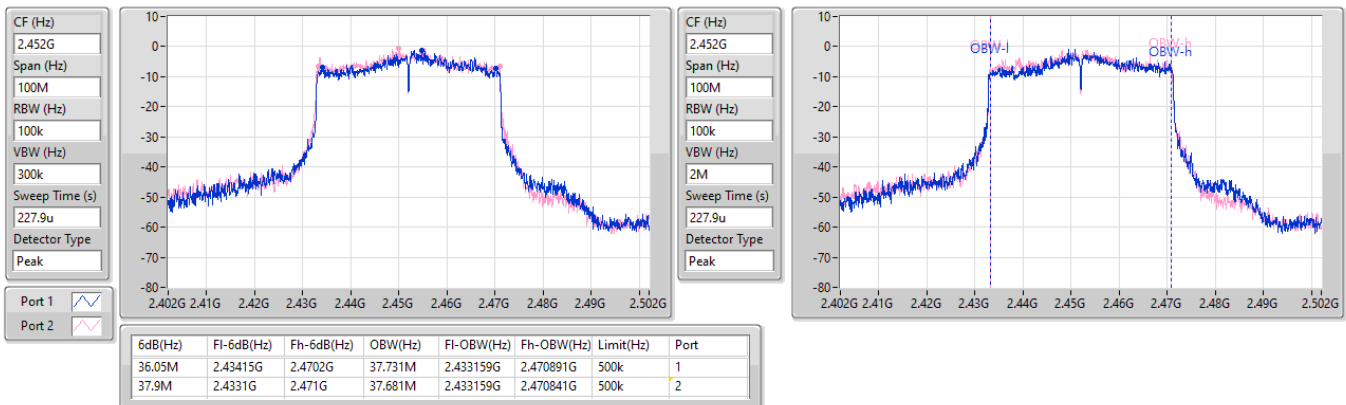


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

11/11/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	22.94	0.19679
802.11g_Nss1,(6Mbps)_2TX	23.20	0.20893
802.11ax HEW20_Nss1,(MCS0)_2TX	22.31	0.17022
802.11ax HEW40_Nss1,(MCS0)_2TX	20.39	0.10940

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.40	19.57	19.85	22.72	30.00
2417MHz	Pass	3.40	20.09	19.51	22.82	30.00
2437MHz	Pass	3.40	19.73	20.13	22.94	30.00
2457MHz	Pass	3.40	20.02	19.47	22.76	30.00
2462MHz	Pass	3.40	19.38	18.80	22.11	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.40	17.11	17.80	20.48	30.00
2417MHz	Pass	3.40	18.47	18.48	21.49	30.00
2437MHz	Pass	3.40	20.11	20.27	23.20	30.00
2457MHz	Pass	3.40	18.21	18.02	21.13	30.00
2462MHz	Pass	3.40	17.33	17.28	20.32	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.40	16.85	17.08	19.98	30.00
2417MHz	Pass	3.40	17.80	17.37	20.60	30.00
2437MHz	Pass	3.40	19.12	19.47	22.31	30.00
2457MHz	Pass	3.40	17.22	16.66	19.96	30.00
2462MHz	Pass	3.40	18.02	17.84	20.94	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.40	16.26	16.79	19.54	30.00
2427MHz	Pass	3.40	17.09	17.66	20.39	30.00
2437MHz	Pass	3.40	17.29	17.37	20.34	30.00
2447MHz	Pass	3.40	16.12	16.41	19.28	30.00
2452MHz	Pass	3.40	15.52	15.95	18.75	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.31	0.17022
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.39	0.10940

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.36	16.85	17.08	19.98	29.64
2417MHz	Pass	6.36	17.80	17.37	20.60	29.64
2437MHz	Pass	6.36	19.12	19.47	22.31	29.64
2457MHz	Pass	6.36	17.22	16.66	19.96	29.64
2462MHz	Pass	6.36	18.02	17.84	20.94	29.64
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.36	16.26	16.79	19.54	29.64
2427MHz	Pass	6.36	17.09	17.66	20.39	29.64
2437MHz	Pass	6.36	17.29	17.37	20.34	29.64
2447MHz	Pass	6.36	16.12	16.41	19.28	29.64
2452MHz	Pass	6.36	15.52	15.95	18.75	29.64

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-4.98
802.11g_Nss1,(6Mbps)_2TX	-4.62
802.11ax HEW20_Nss1,(MCS0)_2TX	-5.27
802.11ax HEW40_Nss1,(MCS0)_2TX	-9.29

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.36	-8.25	-7.63	-5.16	7.64
2437MHz	Pass	6.36	-8.20	-7.71	-4.98	7.64
2462MHz	Pass	6.36	-8.42	-9.08	-5.74	7.64
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.36	-10.36	-8.53	-7.74	7.64
2437MHz	Pass	6.36	-6.70	-6.76	-4.62	7.64
2462MHz	Pass	6.36	-9.89	-8.88	-7.64	7.64
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.36	-8.46	-8.45	-6.96	7.64
2437MHz	Pass	6.36	-6.36	-7.07	-5.27	7.64
2462MHz	Pass	6.36	-7.52	-7.25	-5.72	7.64
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.36	-10.88	-12.28	-9.29	7.64
2437MHz	Pass	6.36	-10.00	-12.68	-9.29	7.64
2452MHz	Pass	6.36	-12.82	-13.02	-12.11	7.64

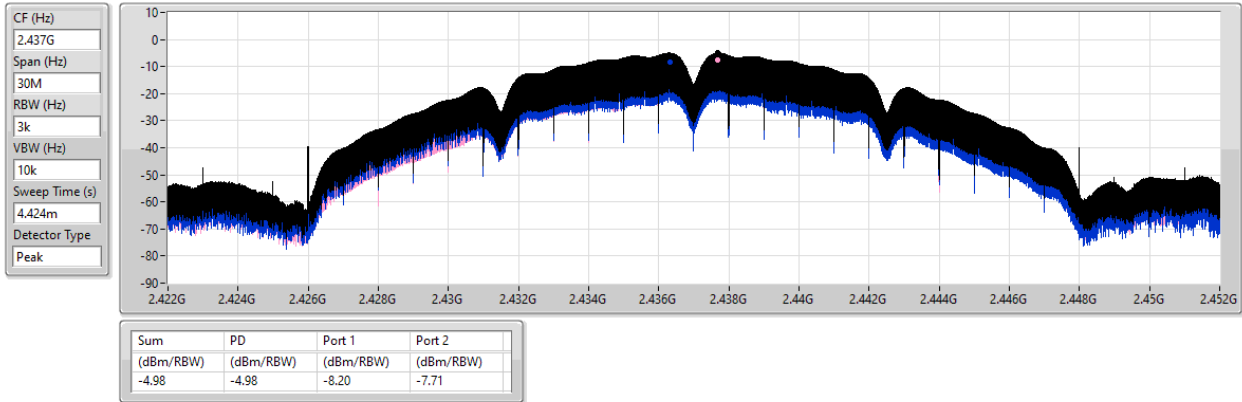
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

07/11/2024

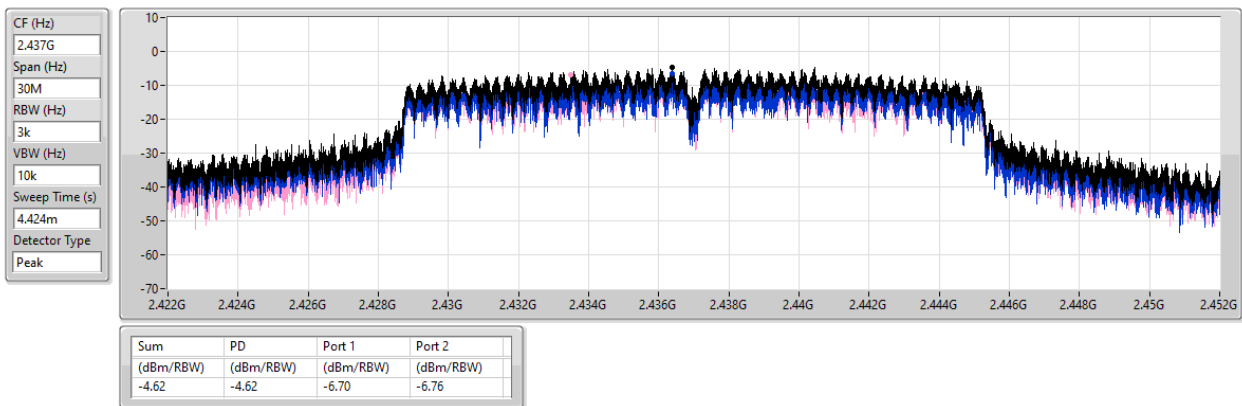


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

07/11/2024

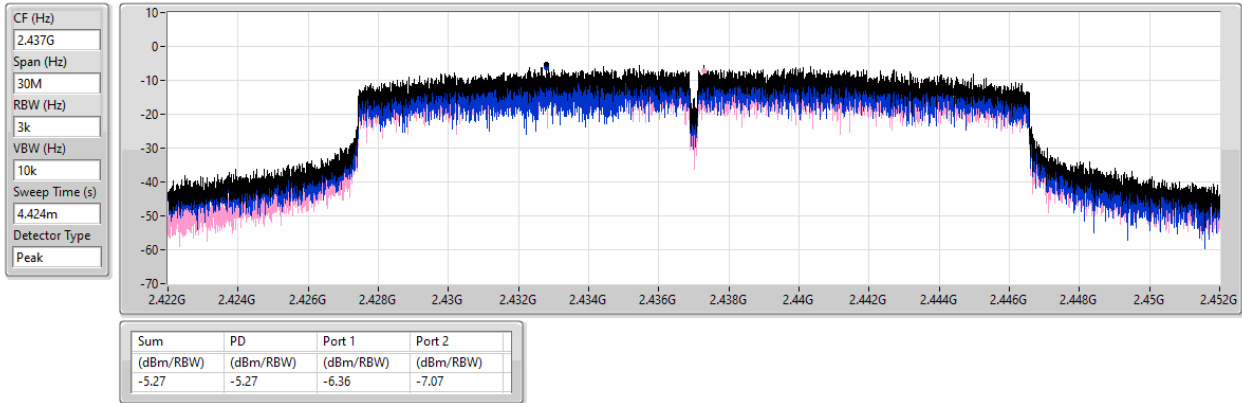


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

07/11/2024

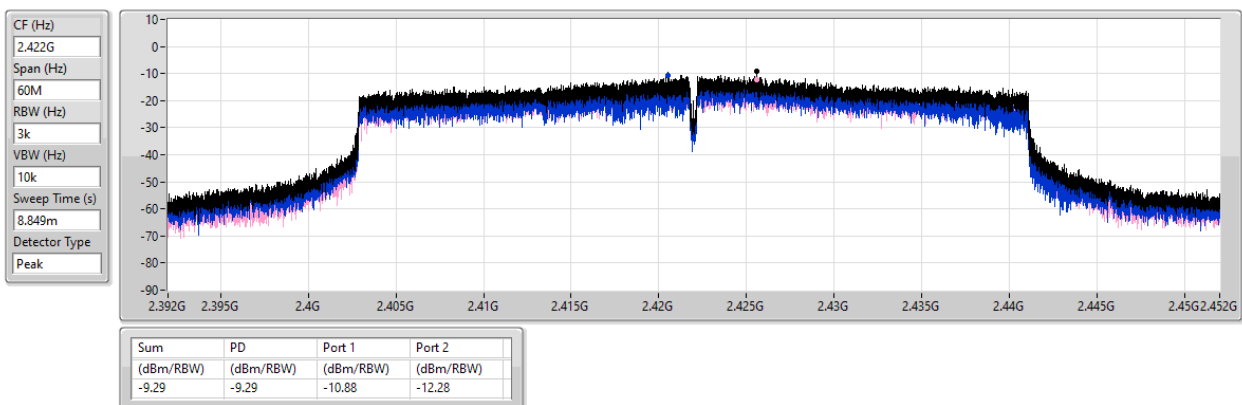


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

11/11/2024



**Summary**

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43741G	10.68	-19.32	2.30059G	-54.43	2.39848G	-38.30	2.4G	-41.95	2.50662G	-53.27	16.21169G	-42.25	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	10.49	-19.51	889.77M	-54.89	2.39992G	-28.75	2.4G	-29.08	2.5075G	-53.47	16.29878G	-41.62	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43824G	10.76	-19.24	1.91963G	-54.05	2.39976G	-28.23	2.4G	-27.75	2.50774G	-52.95	16.29598G	-41.35	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4344G	5.21	-24.79	2.09673G	-55.06	2.39952G	-28.55	2.4G	-33.17	2.51854G	-53.60	16.25257G	-41.20	1

Result

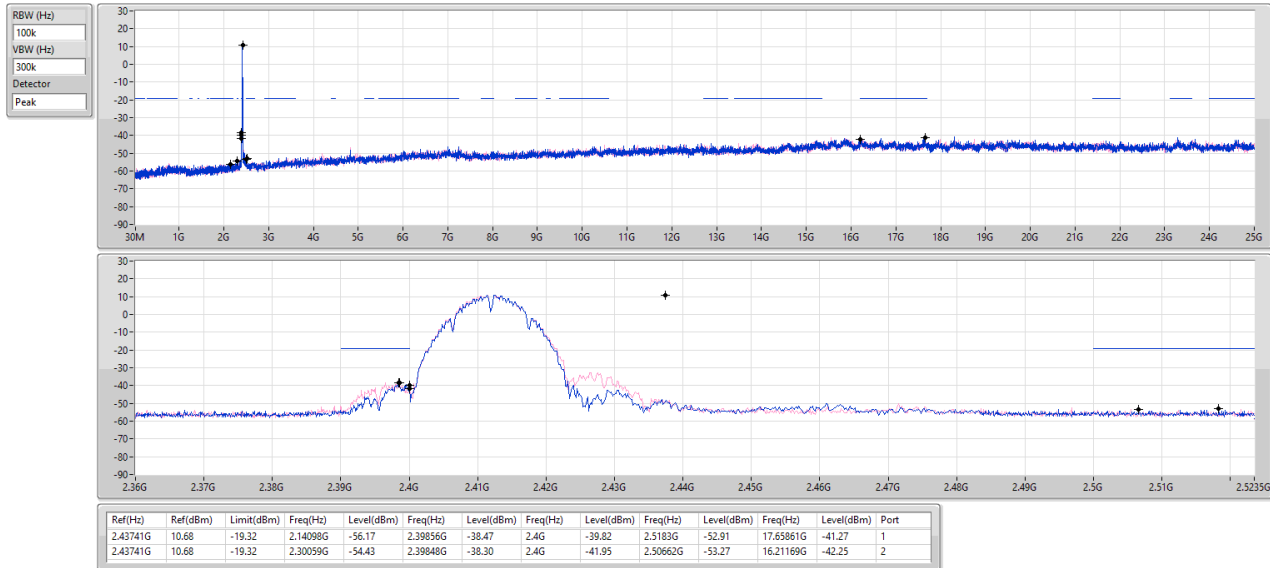
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43741G	10.68	-19.32	2.14098G	-56.17	2.39856G	-38.47	2.4G	-39.82	2.5183G	-52.91	17.65861G	-41.27	1
2412MHz	Pass	2.43741G	10.68	-19.32	2.30059G	-54.43	2.39848G	-38.30	2.4G	-41.95	2.50662G	-53.27	16.21169G	-42.25	2
2437MHz	Pass	2.43741G	10.68	-19.32	946.86M	-56.02	2.39552G	-52.61	2.4G	-54.90	2.50342G	-53.26	24.9719G	-42.52	1
2437MHz	Pass	2.43741G	10.68	-19.32	2.0839G	-56.14	2.39904G	-51.76	2.4G	-52.97	2.5031G	-53.57	16.64717G	-42.55	2
2462MHz	Pass	2.43741G	10.68	-19.32	2.30175G	-55.55	2.39536G	-53.87	2.4G	-56.07	2.50726G	-53.19	16.32969G	-42.18	1
2462MHz	Pass	2.43741G	10.68	-19.32	1.9406G	-55.57	2.39928G	-53.52	2.4G	-52.75	2.51974G	-53.64	15.2171G	-41.61	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	10.49	-19.51	2.15147G	-55.55	2.39976G	-30.37	2.4G	-29.92	2.51366G	-52.93	15.25925G	-41.93	1
2412MHz	Pass	2.43824G	10.49	-19.51	889.77M	-54.89	2.39992G	-28.75	2.4G	-29.08	2.5075G	-53.47	16.29878G	-41.62	2
2437MHz	Pass	2.43824G	10.49	-19.51	2.0606G	-55.68	2.39992G	-48.11	2.4G	-50.41	2.50222G	-53.13	23.28898G	-42.03	1
2437MHz	Pass	2.43824G	10.49	-19.51	2.14331G	-55.20	2.39976G	-48.23	2.4G	-49.81	2.50534G	-53.94	16.24821G	-41.82	2
2462MHz	Pass	2.43824G	10.49	-19.51	2.12817G	-55.68	2.3968G	-53.73	2.4G	-55.99	2.50318G	-53.73	17.61366G	-41.85	1
2462MHz	Pass	2.43824G	10.49	-19.51	1.96274G	-55.82	2.39976G	-54.16	2.4G	-54.04	2.5167G	-53.27	15.26768G	-41.85	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	10.76	-19.24	1.98837G	-55.55	2.4G	-28.99	2.4G	-29.39	2.50614G	-53.11	14.59057G	-42.56	1
2412MHz	Pass	2.43824G	10.76	-19.24	1.91963G	-54.05	2.39976G	-28.23	2.4G	-27.75	2.50774G	-52.95	16.29598G	-41.35	2
2437MHz	Pass	2.43824G	10.76	-19.24	2.30874G	-55.11	2.39976G	-48.93	2.4G	-48.98	2.51574G	-53.07	16.97027G	-41.57	1
2437MHz	Pass	2.43824G	10.76	-19.24	2.17244G	-55.32	2.39896G	-47.48	2.4G	-48.68	2.5235G	-53.49	24.60104G	-42.01	2
2462MHz	Pass	2.43824G	10.76	-19.24	1.96507G	-55.66	2.3968G	-53.92	2.4G	-55.39	2.51406G	-53.84	16.90565G	-41.65	1
2462MHz	Pass	2.43824G	10.76	-19.24	1.9441G	-54.85	2.3964G	-53.79	2.4G	-53.77	2.51006G	-52.70	15.32106G	-41.69	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	5.21	-24.79	2.09673G	-55.06	2.39952G	-28.55	2.4G	-33.17	2.51854G	-53.60	16.25257G	-41.20	1
2422MHz	Pass	2.4344G	5.21	-24.79	2.12993G	-55.02	2.4G	-33.77	2.4G	-33.76	2.51454G	-53.13	16.2694G	-41.39	2
2437MHz	Pass	2.4344G	5.21	-24.79	2.14596G	-55.40	2.3992G	-37.83	2.4G	-38.05	2.5131G	-53.26	16.9453G	-41.35	1
2437MHz	Pass	2.4344G	5.21	-24.79	2.18146G	-55.94	2.39856G	-39.62	2.4G	-40.93	2.55118G	-53.10	15.24854G	-41.73	2
2452MHz	Pass	2.4344G	5.21	-24.79	1.95131G	-55.11	2.39952G	-50.45	2.4G	-49.12	2.5139G	-53.58	16.28062G	-41.61	1
2452MHz	Pass	2.4344G	5.21	-24.79	2.13566G	-56.11	2.3984G	-47.31	2.4G	-48.07	2.52142G	-52.88	15.20086G	-41.82	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

CSEndB

2412MHz

07/11/2024

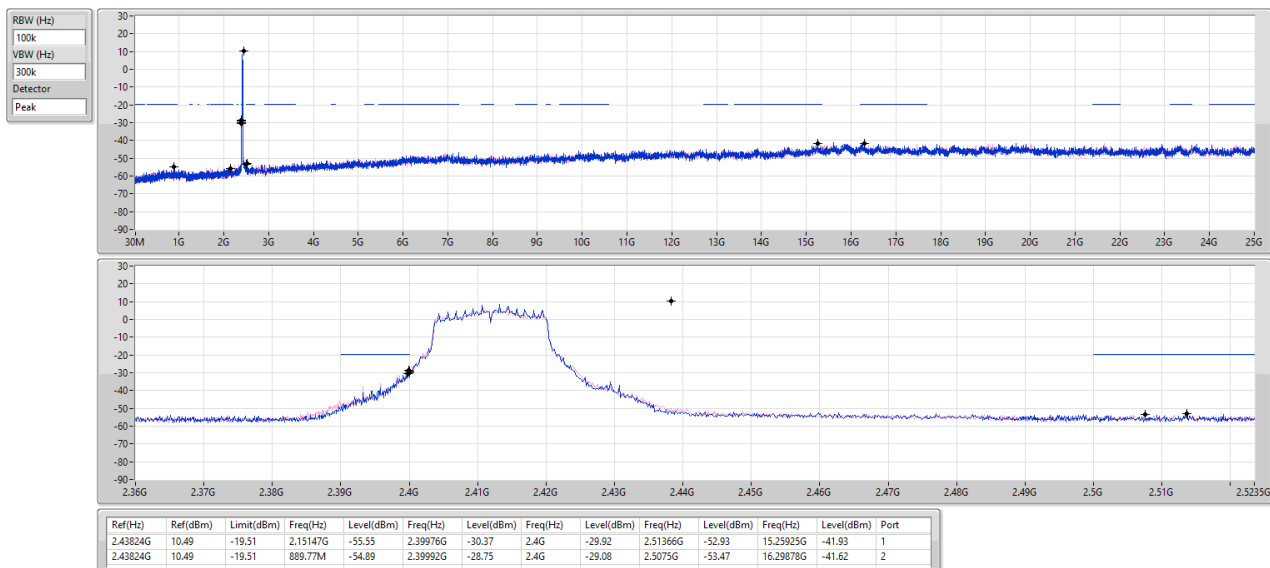


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSEndB

2412MHz

11/11/2024

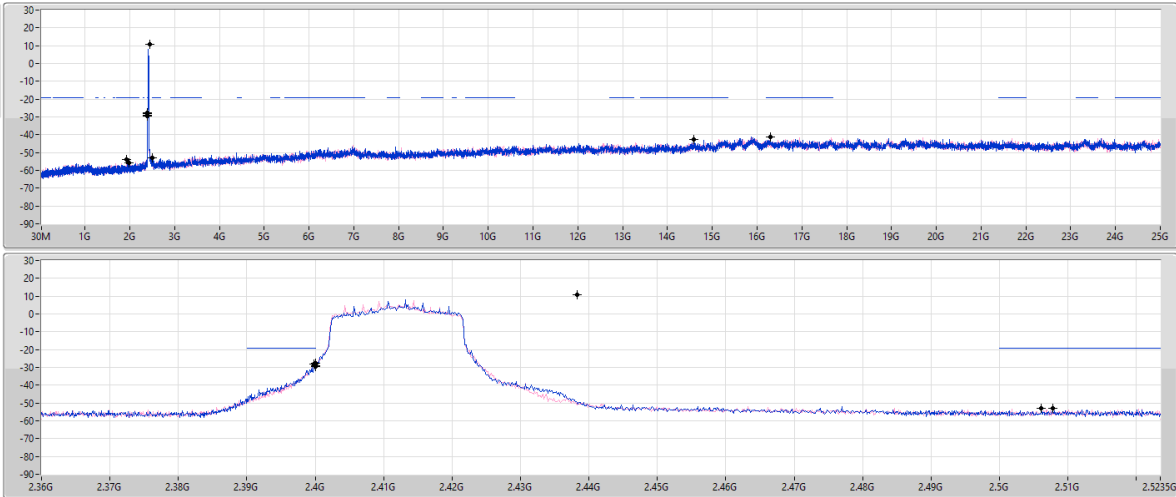


2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

CSEndB

2412MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



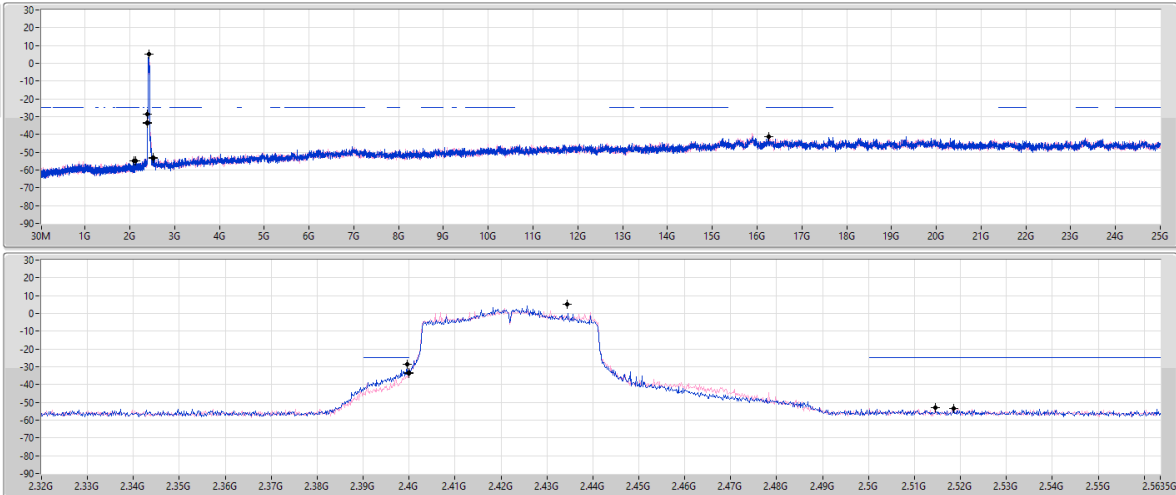
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	10.76	-19.24	1.98837G	-55.55	2.4G	-28.99	2.4G	-29.39	2.50614G	-53.11	14.59057G	-42.56	1
2.43824G	10.76	-19.24	1.91963G	-54.05	2.39978G	-28.23	2.4G	-27.75	2.50774G	-52.95	16.29998G	-41.35	2

2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

CSEndB

2422MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4344G	5.21	-24.79	2.09673G	-55.06	2.39952G	-28.55	2.4G	-33.17	2.51854G	-53.60	16.25257G	-41.20	1
2.4344G	5.21	-24.79	2.12993G	-55.02	2.4G	-33.77	2.4G	-33.76	2.51454G	-53.13	16.2694G	-41.39	2



Summary

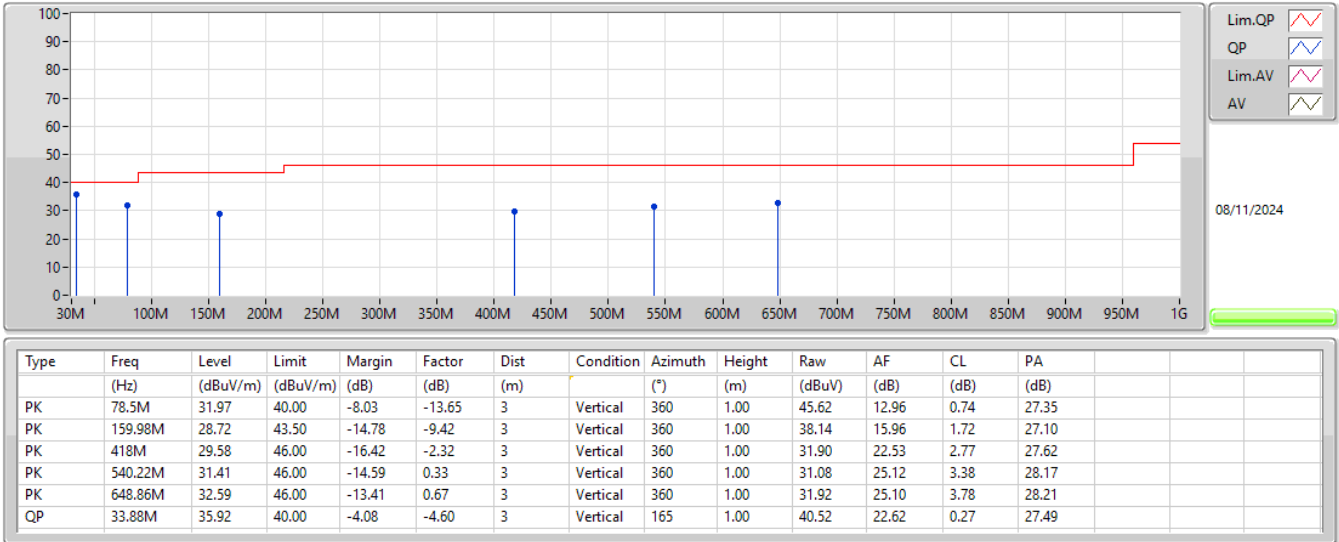
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	QP	33.88M	35.92	40.00	-4.08	3	Vertical	165	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	78.5M	31.97	40.00	-8.03	3	Vertical	360	1.00
2437MHz	Pass	PK	159.98M	28.72	43.50	-14.78	3	Vertical	360	1.00
2437MHz	Pass	PK	418M	29.58	46.00	-16.42	3	Vertical	360	1.00
2437MHz	Pass	PK	540.22M	31.41	46.00	-14.59	3	Vertical	360	1.00
2437MHz	Pass	PK	648.86M	32.59	46.00	-13.41	3	Vertical	360	1.00
2437MHz	Pass	QP	33.88M	35.92	40.00	-4.08	3	Vertical	165	1.00
2437MHz	Pass	PK	33.88M	31.51	40.00	-8.49	3	Horizontal	0	1.00
2437MHz	Pass	PK	82.38M	26.88	40.00	-13.12	3	Horizontal	0	1.00
2437MHz	Pass	PK	169.68M	28.12	43.50	-15.38	3	Horizontal	0	1.00
2437MHz	Pass	PK	216.24M	26.11	46.00	-19.89	3	Horizontal	0	1.00
2437MHz	Pass	PK	350.1M	28.55	46.00	-17.45	3	Horizontal	0	1.00
2437MHz	Pass	PK	538.28M	31.89	46.00	-14.11	3	Horizontal	0	1.00

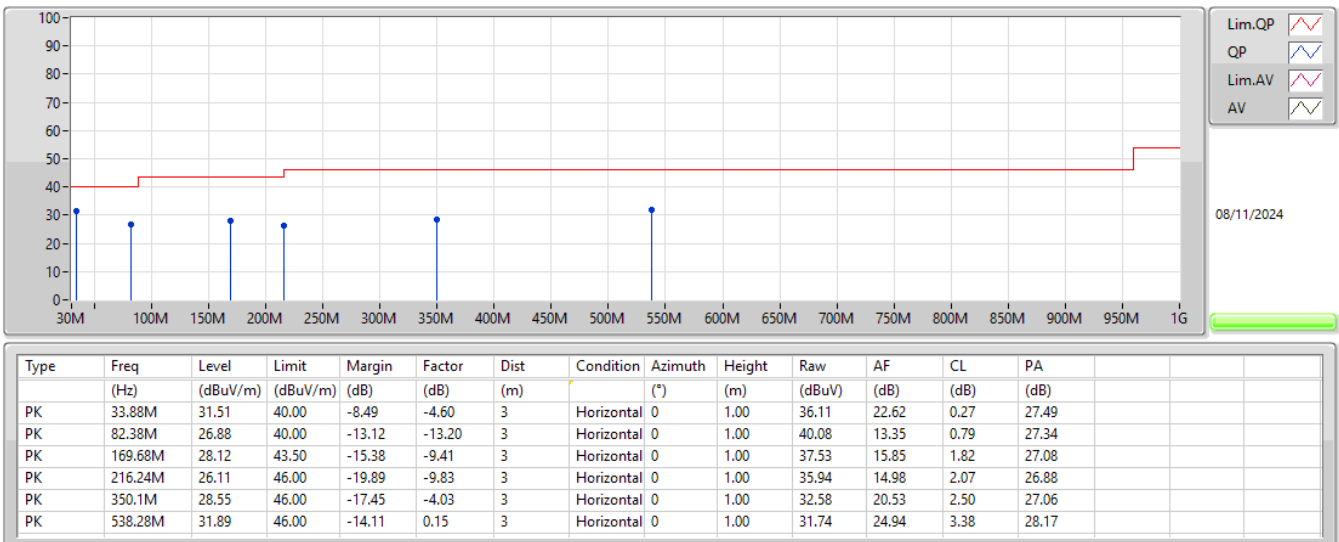
2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.3878G	51.34	54.00	-2.66	3	Vertical	74	2.54
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.39G	53.49	54.00	-0.51	3	Vertical	53	1.27
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.81	54.00	-0.19	3	Horizontal	290	1.42
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.70	54.00	-0.30	3	Horizontal	124	1.50

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3878G	51.34	54.00	-2.66	3	Vertical	74	2.54
2412MHz	Pass	AV	2.4112G	108.89	Inf	-Inf	3	Vertical	74	2.54
2412MHz	Pass	PK	2.3862G	59.43	74.00	-14.57	3	Vertical	74	2.54
2412MHz	Pass	PK	2.411G	111.64	Inf	-Inf	3	Vertical	74	2.54
2412MHz	Pass	AV	2.3876G	47.90	54.00	-6.10	3	Horizontal	23	1.01
2412MHz	Pass	AV	2.4108G	106.89	Inf	-Inf	3	Horizontal	23	1.01
2412MHz	Pass	PK	2.3862G	58.35	74.00	-15.65	3	Horizontal	23	1.01
2412MHz	Pass	PK	2.4112G	110.10	Inf	-Inf	3	Horizontal	23	1.01
2412MHz	Pass	AV	4.82392G	37.07	54.00	-16.93	3	Vertical	342	2.96
2412MHz	Pass	PK	4.82388G	43.03	74.00	-30.97	3	Vertical	342	2.96
2412MHz	Pass	AV	4.824G	34.47	54.00	-19.53	3	Horizontal	334	2.73
2412MHz	Pass	PK	4.82432G	41.96	74.00	-32.04	3	Horizontal	334	2.73
2417MHz	Pass	AV	2.3878G	44.88	54.00	-9.12	3	Vertical	74	1.04
2417MHz	Pass	AV	2.4178G	108.48	Inf	-Inf	3	Vertical	74	1.04
2417MHz	Pass	PK	2.3894G	56.78	74.00	-17.22	3	Vertical	74	1.04
2417MHz	Pass	PK	2.4178G	111.14	Inf	-Inf	3	Vertical	74	1.04
2417MHz	Pass	AV	2.39G	49.17	54.00	-4.83	3	Horizontal	325	2.45
2417MHz	Pass	AV	2.4178G	107.42	Inf	-Inf	3	Horizontal	325	2.45
2417MHz	Pass	PK	2.389G	59.45	74.00	-14.55	3	Horizontal	325	2.45
2417MHz	Pass	PK	2.4178G	110.28	Inf	-Inf	3	Horizontal	325	2.45
2437MHz	Pass	AV	2.3882G	42.56	54.00	-11.44	3	Vertical	77	1.12
2437MHz	Pass	AV	2.4362G	108.75	Inf	-Inf	3	Vertical	77	1.12
2437MHz	Pass	AV	2.4854G	43.49	54.00	-10.51	3	Vertical	77	1.12
2437MHz	Pass	PK	2.3886G	55.49	74.00	-18.51	3	Vertical	77	1.12
2437MHz	Pass	PK	2.4362G	111.43	Inf	-Inf	3	Vertical	77	1.12
2437MHz	Pass	PK	2.4846G	55.81	74.00	-18.19	3	Vertical	77	1.12
2437MHz	Pass	AV	2.3898G	42.36	54.00	-11.64	3	Horizontal	331	1.89
2437MHz	Pass	AV	2.4358G	108.25	Inf	-Inf	3	Horizontal	331	1.89
2437MHz	Pass	AV	2.4862G	42.83	54.00	-11.17	3	Horizontal	331	1.89
2437MHz	Pass	PK	2.389G	56.57	74.00	-17.43	3	Horizontal	331	1.89
2437MHz	Pass	PK	2.4362G	111.33	Inf	-Inf	3	Horizontal	331	1.89
2437MHz	Pass	PK	2.4982G	56.30	74.00	-17.70	3	Horizontal	331	1.89
2437MHz	Pass	AV	4.87394G	34.43	54.00	-19.57	3	Vertical	322	1.35
2437MHz	Pass	AV	7.31166G	38.27	54.00	-15.73	3	Vertical	282	1.04
2437MHz	Pass	PK	4.87394G	42.92	74.00	-31.08	3	Vertical	322	1.35
2437MHz	Pass	PK	7.30818G	48.94	74.00	-25.06	3	Vertical	282	1.04
2437MHz	Pass	AV	4.87394G	33.15	54.00	-20.85	3	Horizontal	13	2.65
2437MHz	Pass	AV	7.3101G	37.76	54.00	-16.24	3	Horizontal	72	3.00
2437MHz	Pass	PK	4.87394G	41.90	74.00	-32.10	3	Horizontal	13	2.65
2437MHz	Pass	PK	7.3125G	49.05	74.00	-24.95	3	Horizontal	72	3.00
2457MHz	Pass	AV	2.4578G	106.35	Inf	-Inf	3	Vertical	69	1.62
2457MHz	Pass	AV	2.4838G	49.74	54.00	-4.26	3	Vertical	69	1.62
2457MHz	Pass	PK	2.4578G	109.23	Inf	-Inf	3	Vertical	69	1.62
2457MHz	Pass	PK	2.4836G	58.99	74.00	-15.01	3	Vertical	69	1.62
2457MHz	Pass	AV	2.4582G	105.84	Inf	-Inf	3	Horizontal	329	1.84
2457MHz	Pass	AV	2.4838G	49.89	54.00	-4.11	3	Horizontal	329	1.84
2457MHz	Pass	PK	2.4578G	108.95	Inf	-Inf	3	Horizontal	329	1.84
2457MHz	Pass	PK	2.485G	59.22	74.00	-14.78	3	Horizontal	329	1.84
2462MHz	Pass	AV	2.4628G	107.64	Inf	-Inf	3	Vertical	69	1.60
2462MHz	Pass	AV	2.4848G	49.62	54.00	-4.38	3	Vertical	69	1.60
2462MHz	Pass	PK	2.4628G	110.32	Inf	-Inf	3	Vertical	69	1.60
2462MHz	Pass	PK	2.4864G	58.78	74.00	-15.22	3	Vertical	69	1.60
2462MHz	Pass	AV	2.4632G	106.97	Inf	-Inf	3	Horizontal	326	1.85
2462MHz	Pass	AV	2.4835G	45.75	54.00	-8.25	3	Horizontal	326	1.85
2462MHz	Pass	PK	2.4628G	110.01	Inf	-Inf	3	Horizontal	326	1.85
2462MHz	Pass	PK	2.4835G	57.01	74.00	-16.99	3	Horizontal	326	1.85
2462MHz	Pass	AV	4.92396G	33.69	54.00	-20.31	3	Vertical	83	2.34
2462MHz	Pass	AV	7.38716G	38.68	54.00	-15.32	3	Vertical	285	1.05
2462MHz	Pass	PK	4.92384G	42.43	74.00	-31.57	3	Vertical	83	2.34
2462MHz	Pass	PK	7.3868G	48.73	74.00	-25.27	3	Vertical	285	1.05

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	4.92388G	30.48	54.00	-23.52	3	Horizontal	11	1.04
2462MHz	Pass	AV	7.38672G	36.14	54.00	-17.86	3	Horizontal	62	2.62
2462MHz	Pass	PK	4.92396G	41.77	74.00	-32.23	3	Horizontal	11	1.04
2462MHz	Pass	PK	7.3862G	47.90	74.00	-26.10	3	Horizontal	62	2.62
802.11g_Nss1_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.49	54.00	-0.51	3	Vertical	53	1.27
2412MHz	Pass	AV	2.4108G	103.07	Inf	-Inf	3	Vertical	53	1.27
2412MHz	Pass	PK	2.3898G	64.48	74.00	-9.52	3	Vertical	53	1.27
2412MHz	Pass	PK	2.4104G	111.67	Inf	-Inf	3	Vertical	53	1.27
2412MHz	Pass	AV	2.39G	50.58	54.00	-3.42	3	Horizontal	122	1.50
2412MHz	Pass	AV	2.4144G	101.79	Inf	-Inf	3	Horizontal	122	1.50
2412MHz	Pass	PK	2.3898G	61.98	74.00	-12.02	3	Horizontal	122	1.50
2412MHz	Pass	PK	2.4142G	110.35	Inf	-Inf	3	Horizontal	122	1.50
2412MHz	Pass	AV	4.83024G	32.50	54.00	-21.50	3	Vertical	203	2.52
2412MHz	Pass	PK	4.82612G	43.26	74.00	-30.74	3	Vertical	203	2.52
2412MHz	Pass	AV	4.81892G	32.52	54.00	-21.48	3	Horizontal	238	1.12
2412MHz	Pass	PK	4.81448G	44.22	74.00	-29.78	3	Horizontal	238	1.12
2417MHz	Pass	AV	2.3896G	49.41	54.00	-4.59	3	Vertical	43	2.31
2417MHz	Pass	AV	2.4148G	104.19	Inf	-Inf	3	Vertical	43	2.31
2417MHz	Pass	PK	2.3892G	62.81	74.00	-11.19	3	Vertical	43	2.31
2417MHz	Pass	PK	2.4198G	114.01	Inf	-Inf	3	Vertical	43	2.31
2417MHz	Pass	AV	2.3894G	48.67	54.00	-5.33	3	Horizontal	5	1.92
2417MHz	Pass	AV	2.4146G	104.51	Inf	-Inf	3	Horizontal	5	1.92
2417MHz	Pass	PK	2.3896G	63.33	74.00	-10.67	3	Horizontal	5	1.92
2417MHz	Pass	PK	2.415G	114.16	Inf	-Inf	3	Horizontal	5	1.92
2437MHz	Pass	AV	2.3898G	45.05	54.00	-8.95	3	Vertical	42	1.16
2437MHz	Pass	AV	2.4398G	105.79	Inf	-Inf	3	Vertical	42	1.16
2437MHz	Pass	AV	2.4835G	44.95	54.00	-9.05	3	Vertical	42	1.16
2437MHz	Pass	PK	2.3898G	57.14	74.00	-16.86	3	Vertical	42	1.16
2437MHz	Pass	PK	2.4402G	115.84	Inf	-Inf	3	Vertical	42	1.16
2437MHz	Pass	PK	2.4838G	56.83	74.00	-17.17	3	Vertical	42	1.16
2437MHz	Pass	AV	2.3898G	45.06	54.00	-8.94	3	Horizontal	13	1.87
2437MHz	Pass	AV	2.4346G	106.35	Inf	-Inf	3	Horizontal	13	1.87
2437MHz	Pass	AV	2.4835G	46.02	54.00	-7.98	3	Horizontal	13	1.87
2437MHz	Pass	PK	2.3894G	57.75	74.00	-16.25	3	Horizontal	13	1.87
2437MHz	Pass	PK	2.4354G	116.91	Inf	-Inf	3	Horizontal	13	1.87
2437MHz	Pass	PK	2.4835G	58.30	74.00	-15.70	3	Horizontal	13	1.87
2437MHz	Pass	AV	4.87156G	28.99	54.00	-25.01	3	Vertical	350	1.08
2437MHz	Pass	AV	7.31134G	35.98	54.00	-18.02	3	Vertical	287	1.14
2437MHz	Pass	PK	4.87176G	42.11	74.00	-31.89	3	Vertical	350	1.08
2437MHz	Pass	PK	7.3121G	49.26	74.00	-24.74	3	Vertical	287	1.14
2437MHz	Pass	AV	4.8695G	28.01	54.00	-25.99	3	Horizontal	10	1.49
2437MHz	Pass	AV	7.31034G	35.79	54.00	-18.21	3	Horizontal	72	3.00
2437MHz	Pass	PK	4.8765G	41.02	74.00	-32.98	3	Horizontal	10	1.49
2437MHz	Pass	PK	7.31096G	49.27	74.00	-24.73	3	Horizontal	72	3.00
2457MHz	Pass	AV	2.4598G	102.73	Inf	-Inf	3	Vertical	47	1.29
2457MHz	Pass	AV	2.4835G	48.60	54.00	-5.40	3	Vertical	47	1.29
2457MHz	Pass	PK	2.4598G	112.82	Inf	-Inf	3	Vertical	47	1.29
2457MHz	Pass	PK	2.4835G	62.01	74.00	-11.99	3	Vertical	47	1.29
2457MHz	Pass	AV	2.4598G	104.15	Inf	-Inf	3	Horizontal	143	2.14
2457MHz	Pass	AV	2.4835G	51.22	54.00	-2.78	3	Horizontal	143	2.14
2457MHz	Pass	PK	2.4598G	113.90	Inf	-Inf	3	Horizontal	143	2.14
2457MHz	Pass	PK	2.4835G	65.07	74.00	-8.93	3	Horizontal	143	2.14
2462MHz	Pass	AV	2.4608G	104.04	Inf	-Inf	3	Vertical	62	1.50
2462MHz	Pass	AV	2.4844G	52.55	54.00	-1.45	3	Vertical	62	1.50
2462MHz	Pass	PK	2.4604G	112.48	Inf	-Inf	3	Vertical	62	1.50
2462MHz	Pass	PK	2.4846G	66.04	74.00	-7.96	3	Vertical	62	1.50
2462MHz	Pass	AV	2.4612G	103.91	Inf	-Inf	3	Horizontal	291	1.43
2462MHz	Pass	AV	2.4835G	52.52	54.00	-1.48	3	Horizontal	291	1.43
2462MHz	Pass	PK	2.4614G	111.85	Inf	-Inf	3	Horizontal	291	1.43
2462MHz	Pass	PK	2.4835G	64.11	74.00	-9.89	3	Horizontal	291	1.43
2462MHz	Pass	AV	4.91488G	33.08	54.00	-20.92	3	Vertical	202	2.48

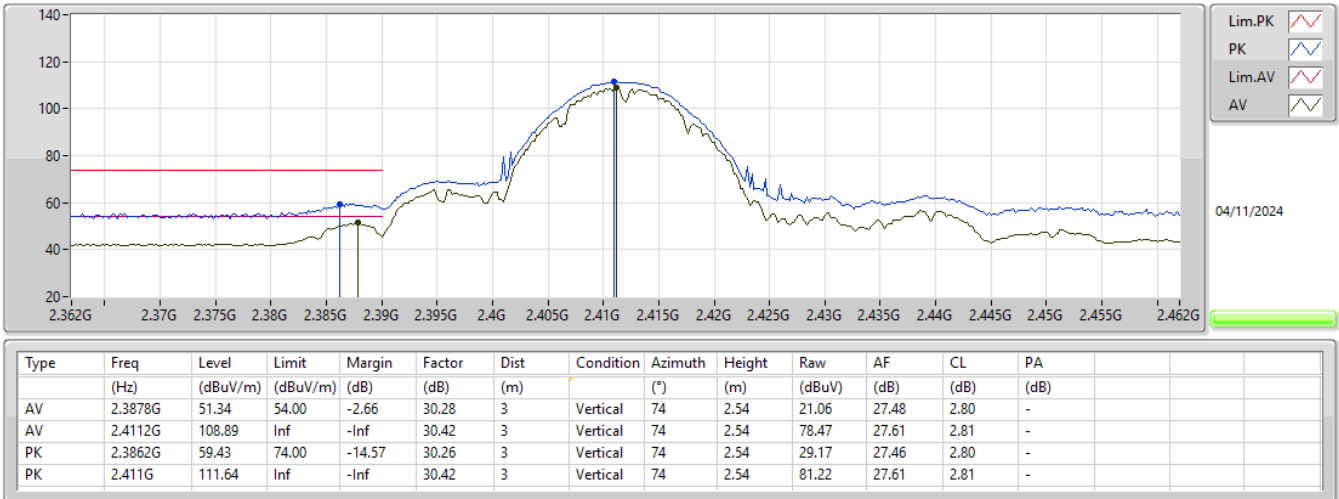
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	7.3804G	38.54	54.00	-15.46	3	Vertical	69	1.09
2462MHz	Pass	PK	4.93204G	44.38	74.00	-29.62	3	Vertical	202	2.48
2462MHz	Pass	PK	7.38424G	49.88	74.00	-24.12	3	Vertical	69	1.09
2462MHz	Pass	AV	4.91668G	32.81	54.00	-21.19	3	Horizontal	178	2.46
2462MHz	Pass	AV	7.38043G	38.67	54.00	-15.33	3	Horizontal	342	2.54
2462MHz	Pass	PK	4.9214G	43.95	74.00	-30.05	3	Horizontal	178	2.46
2462MHz	Pass	PK	7.39615G	49.97	74.00	-24.03	3	Horizontal	342	2.54
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	51.06	54.00	-2.94	3	Vertical	74	1.55
2412MHz	Pass	AV	2.411G	100.87	Inf	-Inf	3	Vertical	74	1.55
2412MHz	Pass	PK	2.39G	61.82	74.00	-12.18	3	Vertical	74	1.55
2412MHz	Pass	PK	2.4126G	111.59	Inf	-Inf	3	Vertical	74	1.55
2412MHz	Pass	AV	2.3898G	51.28	54.00	-2.72	3	Horizontal	121	1.50
2412MHz	Pass	AV	2.415G	99.44	Inf	-Inf	3	Horizontal	121	1.50
2412MHz	Pass	PK	2.3888G	62.57	74.00	-11.43	3	Horizontal	121	1.50
2412MHz	Pass	PK	2.4146G	110.69	Inf	-Inf	3	Horizontal	121	1.50
2412MHz	Pass	AV	4.82916G	31.99	54.00	-22.01	3	Vertical	53	1.87
2412MHz	Pass	PK	4.8194G	43.79	74.00	-30.21	3	Vertical	53	1.87
2412MHz	Pass	AV	4.82852G	31.95	54.00	-22.05	3	Horizontal	40	1.27
2412MHz	Pass	PK	4.82896G	44.15	74.00	-29.85	3	Horizontal	40	1.27
2417MHz	Pass	AV	2.39G	48.64	54.00	-5.36	3	Vertical	36	2.31
2417MHz	Pass	AV	2.4216G	102.31	Inf	-Inf	3	Vertical	36	2.31
2417MHz	Pass	PK	2.3896G	62.98	74.00	-11.02	3	Vertical	36	2.31
2417MHz	Pass	PK	2.413G	114.87	Inf	-Inf	3	Vertical	36	2.31
2417MHz	Pass	AV	2.39G	50.59	54.00	-3.41	3	Horizontal	0	1.38
2417MHz	Pass	AV	2.4212G	102.73	Inf	-Inf	3	Horizontal	0	1.38
2417MHz	Pass	PK	2.3888G	65.00	74.00	-9.00	3	Horizontal	0	1.38
2417MHz	Pass	PK	2.4214G	115.47	Inf	-Inf	3	Horizontal	0	1.38
2437MHz	Pass	AV	2.3898G	43.15	54.00	-10.85	3	Vertical	45	1.35
2437MHz	Pass	AV	2.4326G	104.24	Inf	-Inf	3	Vertical	45	1.35
2437MHz	Pass	AV	2.4835G	43.30	54.00	-10.70	3	Vertical	45	1.35
2437MHz	Pass	PK	2.3374G	56.07	74.00	-17.93	3	Vertical	45	1.35
2437MHz	Pass	PK	2.4322G	116.51	Inf	-Inf	3	Vertical	45	1.35
2437MHz	Pass	PK	2.4978G	56.38	74.00	-17.62	3	Vertical	45	1.35
2437MHz	Pass	AV	2.3898G	43.65	54.00	-10.35	3	Horizontal	22	1.86
2437MHz	Pass	AV	2.4338G	105.27	Inf	-Inf	3	Horizontal	22	1.86
2437MHz	Pass	AV	2.4835G	44.26	54.00	-9.74	3	Horizontal	22	1.86
2437MHz	Pass	PK	2.3878G	56.36	74.00	-17.64	3	Horizontal	22	1.86
2437MHz	Pass	PK	2.433G	117.22	Inf	-Inf	3	Horizontal	22	1.86
2437MHz	Pass	PK	2.4835G	57.28	74.00	-16.72	3	Horizontal	22	1.86
2437MHz	Pass	AV	4.86952G	28.23	54.00	-25.77	3	Vertical	353	1.38
2437MHz	Pass	AV	7.31252G	34.88	54.00	-19.12	3	Vertical	286	1.02
2437MHz	Pass	PK	4.8698G	41.38	74.00	-32.62	3	Vertical	353	1.38
2437MHz	Pass	PK	7.31138G	49.39	74.00	-24.61	3	Vertical	286	1.02
2437MHz	Pass	AV	4.87468G	27.35	54.00	-26.65	3	Horizontal	12	2.84
2437MHz	Pass	AV	7.31036G	34.67	54.00	-19.33	3	Horizontal	68	2.92
2437MHz	Pass	PK	4.87562G	41.75	74.00	-32.25	3	Horizontal	12	2.84
2437MHz	Pass	PK	7.31268G	48.72	74.00	-25.28	3	Horizontal	68	2.92
2457MHz	Pass	AV	2.4614G	100.96	Inf	-Inf	3	Vertical	41	2.47
2457MHz	Pass	PK	2.4614G	114.07	Inf	-Inf	3	Vertical	41	2.47
2457MHz	Pass	PK	2.4835G	59.26	74.00	-14.74	3	Vertical	41	2.47
2457MHz	Pass	AV	2.4835G	46.02	54.00	-7.98	3	Vertical	41	2.47
2457MHz	Pass	AV	2.462G	101.69	Inf	-Inf	3	Horizontal	143	2.16
2457MHz	Pass	PK	2.4624G	114.41	Inf	-Inf	3	Horizontal	143	2.16
2457MHz	Pass	PK	2.4838G	62.37	74.00	-11.63	3	Horizontal	143	2.16
2457MHz	Pass	AV	2.4835G	48.52	54.00	-5.48	3	Horizontal	143	2.16
2462MHz	Pass	AV	2.4606G	100.69	Inf	-Inf	3	Vertical	66	1.50
2462MHz	Pass	AV	2.4835G	51.95	54.00	-2.05	3	Vertical	66	1.50
2462MHz	Pass	PK	2.4602G	111.46	Inf	-Inf	3	Vertical	66	1.50
2462MHz	Pass	PK	2.4835G	63.43	74.00	-10.57	3	Vertical	66	1.50
2462MHz	Pass	AV	2.461G	101.40	Inf	-Inf	3	Horizontal	290	1.42
2462MHz	Pass	AV	2.4835G	53.81	54.00	-0.19	3	Horizontal	290	1.42

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	PK	2.461G	113.16	Inf	-Inf	3	Horizontal	290	1.42
2462MHz	Pass	PK	2.4835G	64.42	74.00	-9.58	3	Horizontal	290	1.42
2462MHz	Pass	AV	4.91692G	32.22	54.00	-21.78	3	Vertical	116	1.70
2462MHz	Pass	AV	7.377G	37.82	54.00	-16.18	3	Vertical	40	1.18
2462MHz	Pass	PK	4.9292G	44.07	74.00	-29.93	3	Vertical	116	1.70
2462MHz	Pass	PK	7.37724G	49.51	74.00	-24.49	3	Vertical	40	1.18
2462MHz	Pass	AV	4.91484G	32.30	54.00	-21.70	3	Horizontal	35	2.04
2462MHz	Pass	AV	7.37648G	37.83	54.00	-16.17	3	Horizontal	221	2.10
2462MHz	Pass	PK	4.92208G	43.77	74.00	-30.23	3	Horizontal	35	2.04
2462MHz	Pass	PK	7.38648G	49.68	74.00	-24.32	3	Horizontal	221	2.10
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	52.80	54.00	-1.20	3	Vertical	53	1.29
2422MHz	Pass	AV	2.4196G	98.82	Inf	-Inf	3	Vertical	53	1.29
2422MHz	Pass	AV	2.484G	48.11	54.00	-5.89	3	Vertical	53	1.29
2422MHz	Pass	PK	2.3888G	64.82	74.00	-9.18	3	Vertical	53	1.29
2422MHz	Pass	PK	2.4196G	109.64	Inf	-Inf	3	Vertical	53	1.29
2422MHz	Pass	PK	2.484G	59.71	74.00	-14.29	3	Vertical	53	1.29
2422MHz	Pass	AV	2.39G	52.75	54.00	-1.25	3	Horizontal	121	1.22
2422MHz	Pass	AV	2.4264G	96.93	Inf	-Inf	3	Horizontal	121	1.22
2422MHz	Pass	AV	2.4835G	47.33	54.00	-6.67	3	Horizontal	121	1.22
2422MHz	Pass	PK	2.39G	63.42	74.00	-10.58	3	Horizontal	121	1.22
2422MHz	Pass	PK	2.4256G	109.84	Inf	-Inf	3	Horizontal	121	1.22
2422MHz	Pass	PK	2.4835G	58.66	74.00	-15.34	3	Horizontal	121	1.22
2422MHz	Pass	AV	4.84092G	32.05	54.00	-21.95	3	Vertical	140	1.60
2422MHz	Pass	AV	7.26092G	38.11	54.00	-15.89	3	Vertical	346	1.11
2422MHz	Pass	PK	4.85204G	44.02	74.00	-29.98	3	Vertical	140	1.60
2422MHz	Pass	PK	7.27152G	50.38	74.00	-23.62	3	Vertical	346	1.11
2422MHz	Pass	AV	4.84292G	32.00	54.00	-22.00	3	Horizontal	55	2.36
2422MHz	Pass	AV	7.25652G	38.12	54.00	-15.88	3	Horizontal	157	1.82
2422MHz	Pass	PK	4.84372G	43.64	74.00	-30.36	3	Horizontal	55	2.36
2422MHz	Pass	PK	7.25664G	49.61	74.00	-24.39	3	Horizontal	157	1.82
2427MHz	Pass	AV	2.3898G	53.68	54.00	-0.32	3	Vertical	65	1.15
2427MHz	Pass	AV	2.4254G	99.76	Inf	-Inf	3	Vertical	65	1.15
2427MHz	Pass	AV	2.4846G	48.19	54.00	-5.81	3	Vertical	65	1.15
2427MHz	Pass	PK	2.3898G	64.03	74.00	-9.97	3	Vertical	65	1.15
2427MHz	Pass	PK	2.4258G	110.63	Inf	-Inf	3	Vertical	65	1.15
2427MHz	Pass	PK	2.4846G	59.03	74.00	-14.97	3	Vertical	65	1.15
2427MHz	Pass	AV	2.3898G	53.00	54.00	-1.00	3	Horizontal	244	1.01
2427MHz	Pass	AV	2.4262G	99.27	Inf	-Inf	3	Horizontal	244	1.01
2427MHz	Pass	AV	2.4842G	47.81	54.00	-6.19	3	Horizontal	244	1.01
2427MHz	Pass	PK	2.3886G	62.84	74.00	-11.16	3	Horizontal	244	1.01
2427MHz	Pass	PK	2.4254G	109.72	Inf	-Inf	3	Horizontal	244	1.01
2427MHz	Pass	PK	2.4858G	59.14	74.00	-14.86	3	Horizontal	244	1.01
2437MHz	Pass	AV	2.3898G	51.60	54.00	-2.40	3	Vertical	52	1.36
2437MHz	Pass	AV	2.4346G	97.82	Inf	-Inf	3	Vertical	52	1.36
2437MHz	Pass	AV	2.4835G	53.26	54.00	-0.74	3	Vertical	52	1.36
2437MHz	Pass	PK	2.3898G	64.02	74.00	-9.98	3	Vertical	52	1.36
2437MHz	Pass	PK	2.4338G	110.22	Inf	-Inf	3	Vertical	52	1.36
2437MHz	Pass	PK	2.4854G	66.36	74.00	-7.64	3	Vertical	52	1.36
2437MHz	Pass	AV	2.3898G	51.70	54.00	-2.30	3	Horizontal	246	1.00
2437MHz	Pass	AV	2.4358G	98.85	Inf	-Inf	3	Horizontal	246	1.00
2437MHz	Pass	AV	2.4835G	52.23	54.00	-1.77	3	Horizontal	246	1.00
2437MHz	Pass	PK	2.3898G	62.47	74.00	-11.53	3	Horizontal	246	1.00
2437MHz	Pass	PK	2.4366G	109.16	Inf	-Inf	3	Horizontal	246	1.00
2437MHz	Pass	PK	2.4835G	64.48	74.00	-9.52	3	Horizontal	246	1.00
2437MHz	Pass	AV	4.86776G	32.11	54.00	-21.89	3	Vertical	326	2.92
2437MHz	Pass	AV	7.32068G	38.03	54.00	-15.97	3	Vertical	48	1.95
2437MHz	Pass	PK	4.87208G	44.07	74.00	-29.93	3	Vertical	326	2.92
2437MHz	Pass	PK	7.3148G	49.66	74.00	-24.34	3	Vertical	48	1.95
2437MHz	Pass	AV	4.86784G	32.14	54.00	-21.86	3	Horizontal	132	2.79
2437MHz	Pass	AV	7.32G	38.07	54.00	-15.93	3	Horizontal	172	1.93
2437MHz	Pass	PK	4.86788G	44.78	74.00	-29.22	3	Horizontal	132	2.79

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2437MHz	Pass	PK	7.31844G	50.36	74.00	-23.64	3	Horizontal	172	1.93
2447MHz	Pass	AV	2.3894G	47.39	54.00	-6.61	3	Vertical	55	1.42
2447MHz	Pass	AV	2.4446G	96.66	Inf	-Inf	3	Vertical	55	1.42
2447MHz	Pass	AV	2.4835G	53.51	54.00	-0.49	3	Vertical	55	1.42
2447MHz	Pass	PK	2.3898G	58.78	74.00	-15.22	3	Vertical	55	1.42
2447MHz	Pass	PK	2.445G	108.87	Inf	-Inf	3	Vertical	55	1.42
2447MHz	Pass	PK	2.4846G	64.44	74.00	-9.56	3	Vertical	55	1.42
2447MHz	Pass	AV	2.3898G	47.40	54.00	-6.60	3	Horizontal	124	1.50
2447MHz	Pass	AV	2.443G	95.25	Inf	-Inf	3	Horizontal	124	1.50
2447MHz	Pass	AV	2.4835G	53.70	54.00	-0.30	3	Horizontal	124	1.50
2447MHz	Pass	PK	2.3898G	58.78	74.00	-15.22	3	Horizontal	124	1.50
2447MHz	Pass	PK	2.4434G	107.80	Inf	-Inf	3	Horizontal	124	1.50
2447MHz	Pass	PK	2.4835G	65.84	74.00	-8.16	3	Horizontal	124	1.50
2452MHz	Pass	AV	2.3896G	46.45	54.00	-7.55	3	Vertical	45	1.49
2452MHz	Pass	AV	2.4576G	94.34	Inf	-Inf	3	Vertical	45	1.49
2452MHz	Pass	AV	2.4856G	51.97	54.00	-2.03	3	Vertical	45	1.49
2452MHz	Pass	PK	2.39G	58.21	74.00	-15.79	3	Vertical	45	1.49
2452MHz	Pass	PK	2.4568G	105.33	Inf	-Inf	3	Vertical	45	1.49
2452MHz	Pass	PK	2.4868G	63.75	74.00	-10.25	3	Vertical	45	1.49
2452MHz	Pass	AV	2.3896G	46.24	54.00	-7.76	3	Horizontal	122	1.19
2452MHz	Pass	AV	2.4564G	95.07	Inf	-Inf	3	Horizontal	122	1.19
2452MHz	Pass	AV	2.486G	52.40	54.00	-1.60	3	Horizontal	122	1.19
2452MHz	Pass	PK	2.3888G	57.77	74.00	-16.23	3	Horizontal	122	1.19
2452MHz	Pass	PK	2.4568G	106.06	Inf	-Inf	3	Horizontal	122	1.19
2452MHz	Pass	PK	2.4848G	66.84	74.00	-7.16	3	Horizontal	122	1.19
2452MHz	Pass	AV	4.9042G	32.06	54.00	-21.94	3	Vertical	353	2.51
2452MHz	Pass	AV	7.3648G	38.02	54.00	-15.98	3	Vertical	48	1.99
2452MHz	Pass	PK	4.9044G	44.81	74.00	-29.19	3	Vertical	353	2.51
2452MHz	Pass	PK	7.3548G	50.47	74.00	-23.53	3	Vertical	48	1.99
2452MHz	Pass	AV	4.9054G	32.09	54.00	-21.91	3	Horizontal	94	1.32
2452MHz	Pass	AV	7.35696G	38.02	54.00	-15.98	3	Horizontal	197	2.94
2452MHz	Pass	PK	4.90528G	44.64	74.00	-29.36	3	Horizontal	94	1.32
2452MHz	Pass	PK	7.36468G	50.77	74.00	-23.23	3	Horizontal	197	2.94

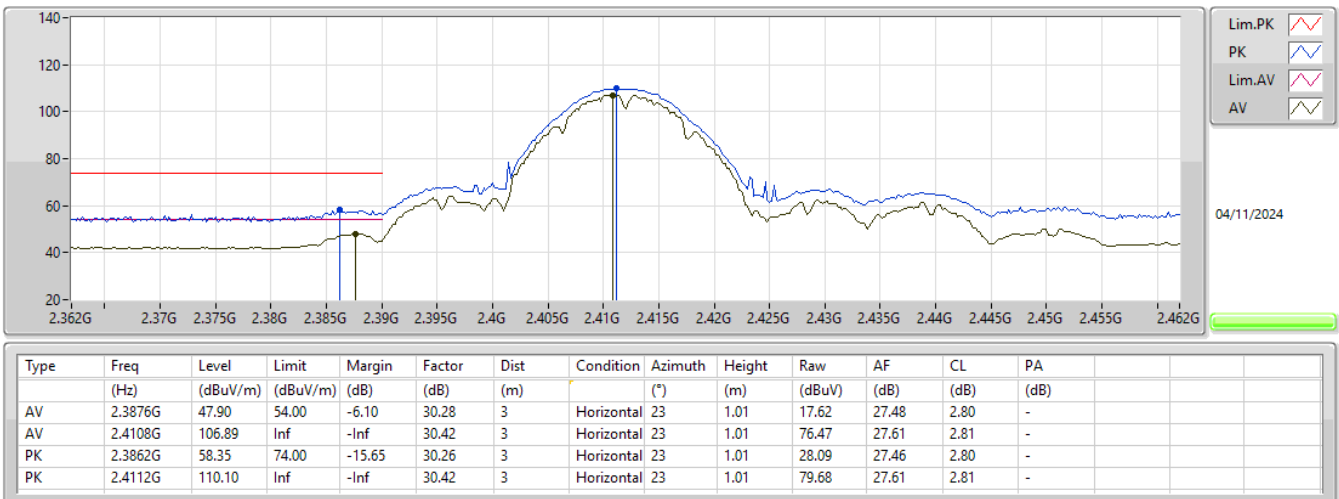
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2412MHz_TX



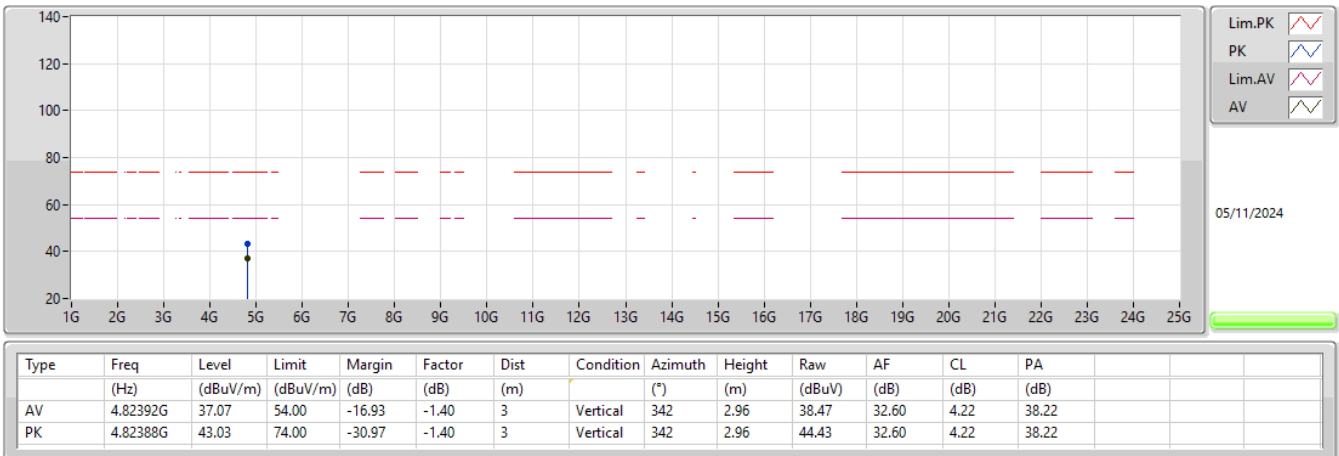
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2412MHz_TX



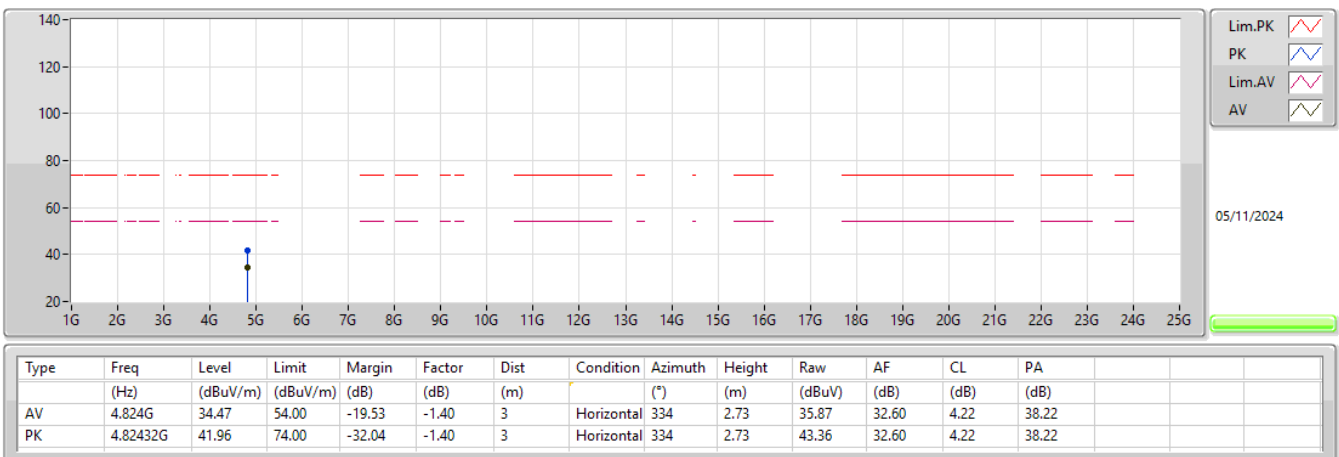
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2412MHz_TX



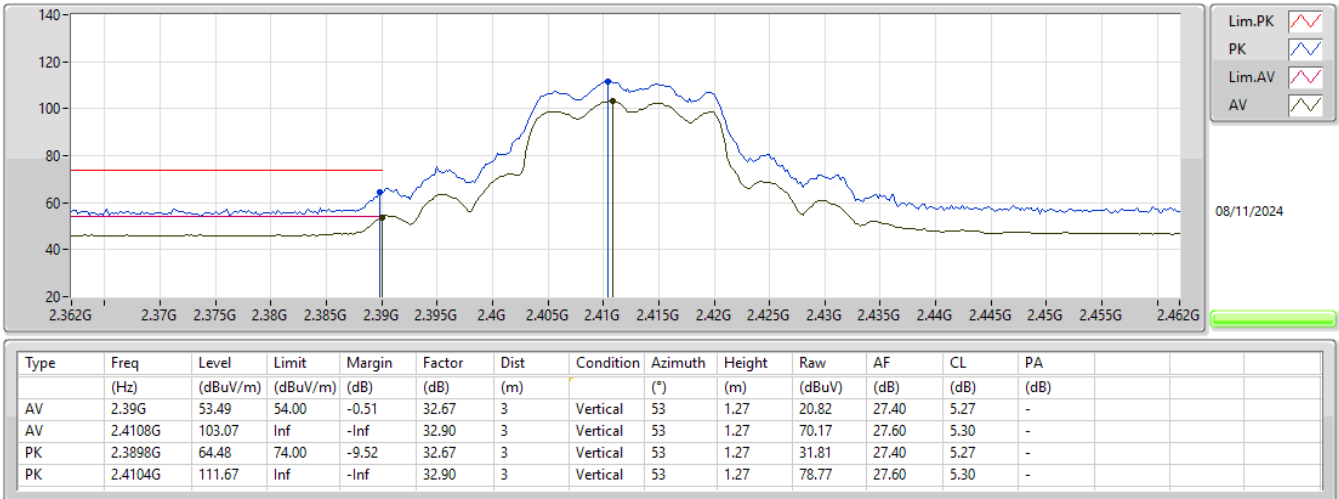
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2412MHz_TX



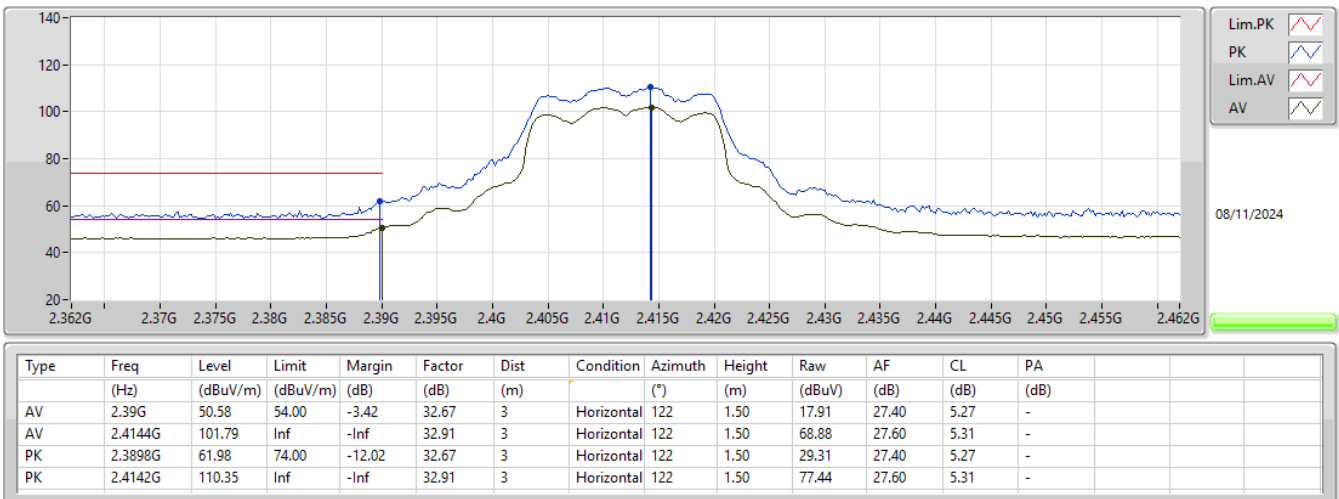
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX



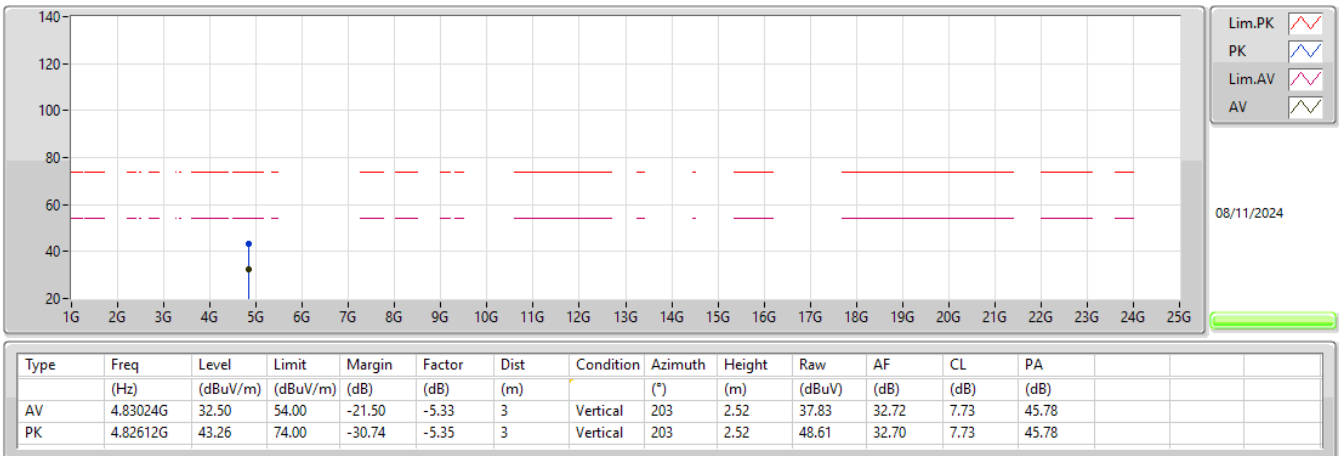
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX



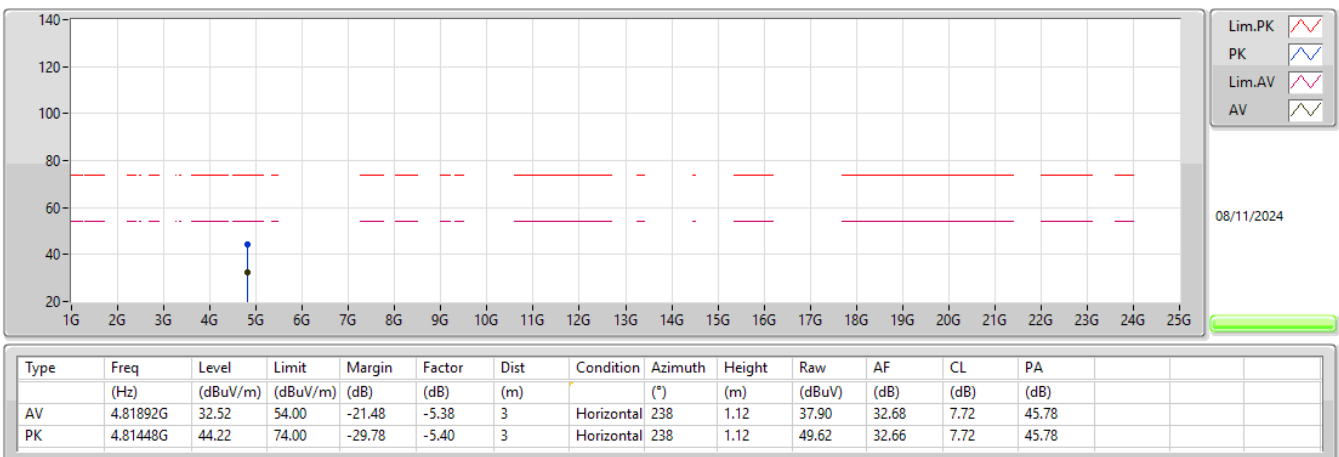
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2412MHz_TX



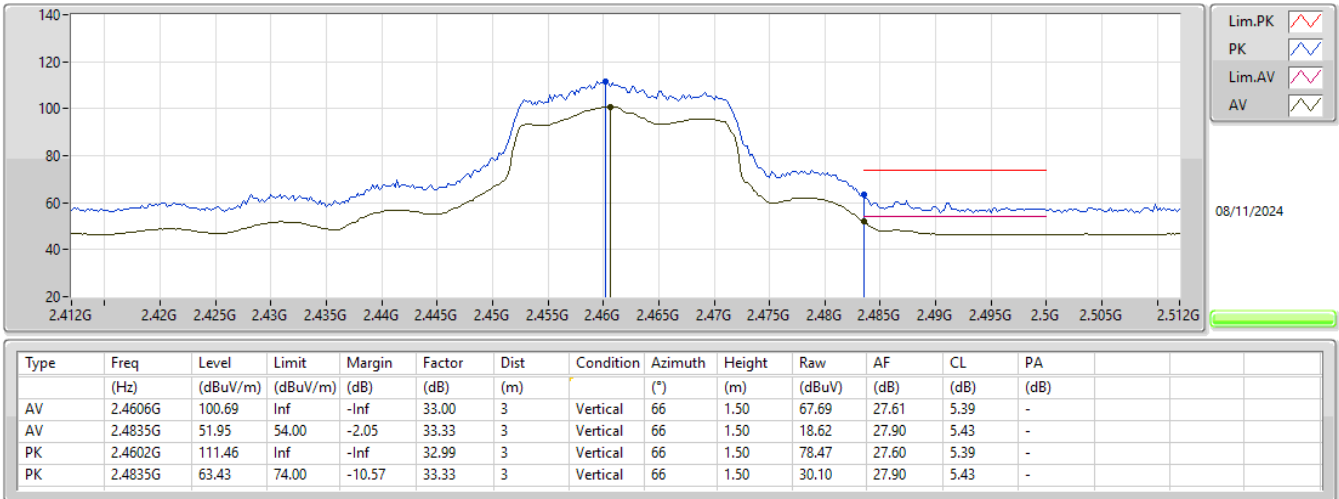
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2412MHz_TX



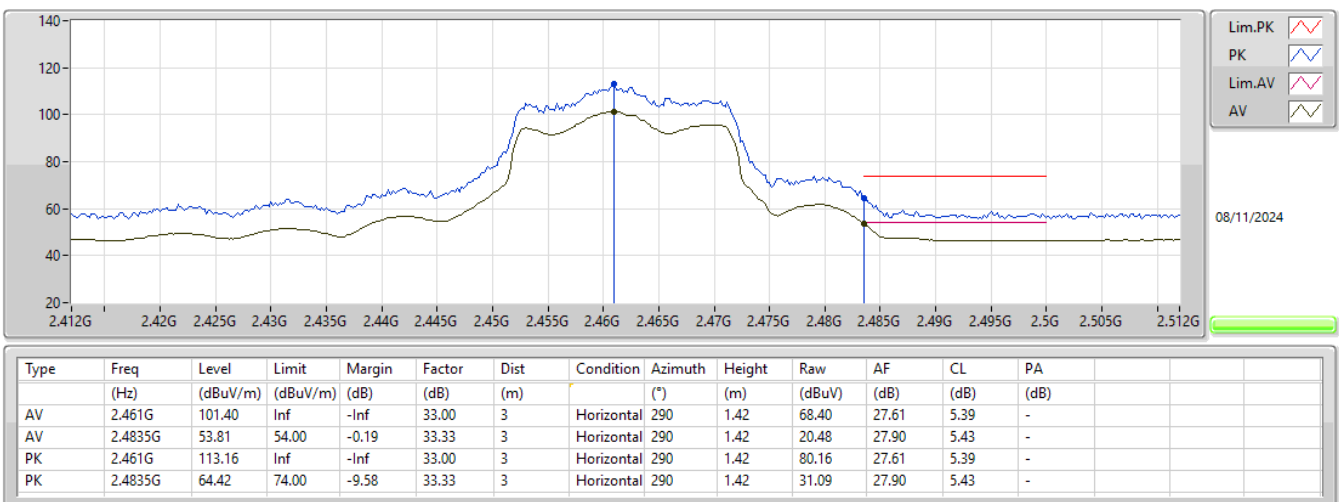
2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

2462MHz_TX



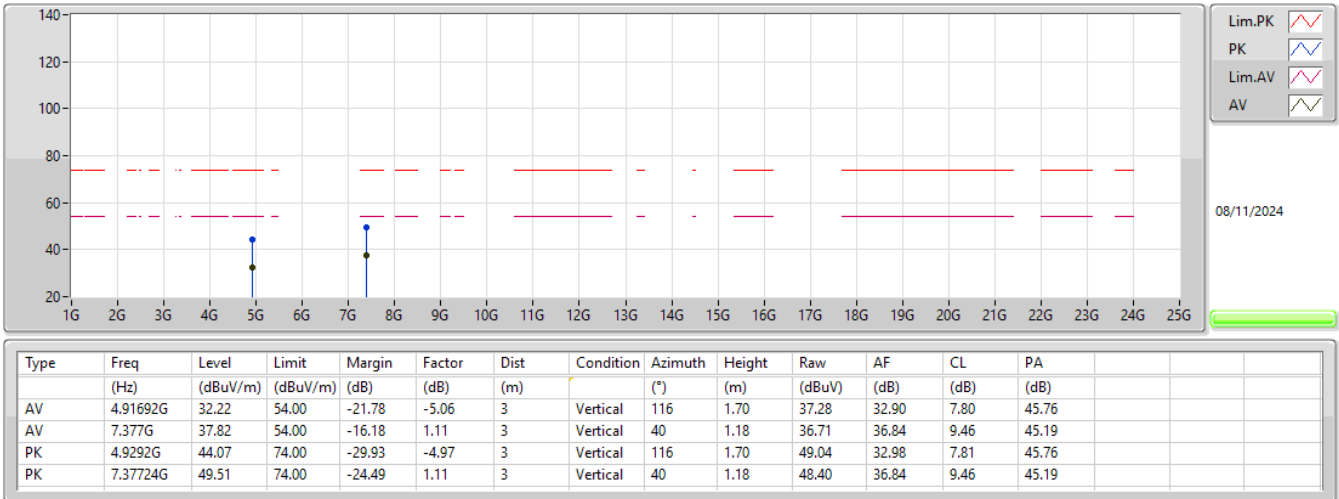
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2462MHz_TX



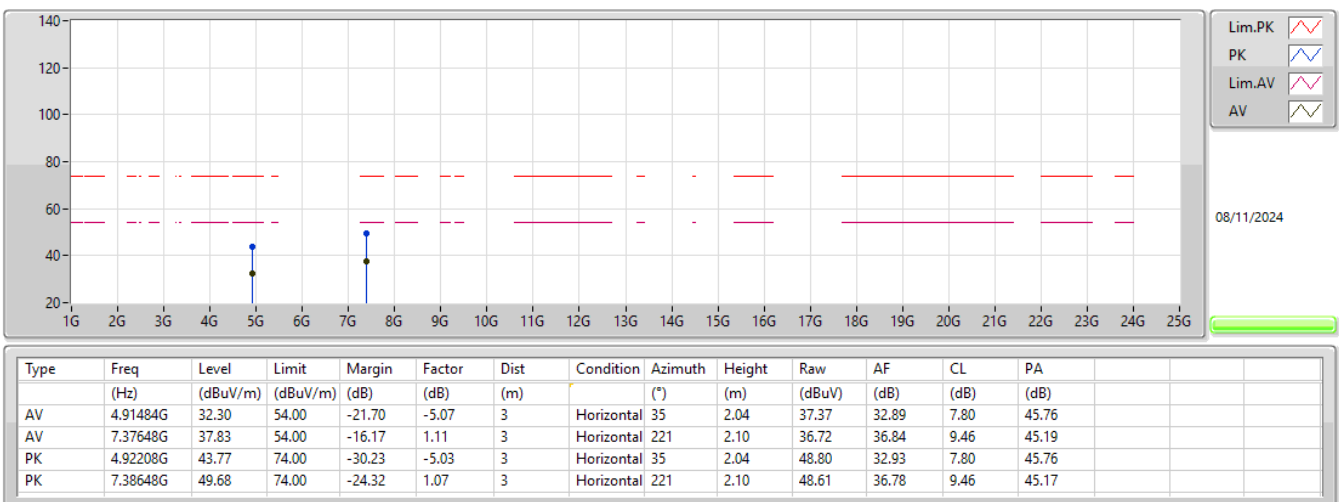
2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

2462MHz_TX



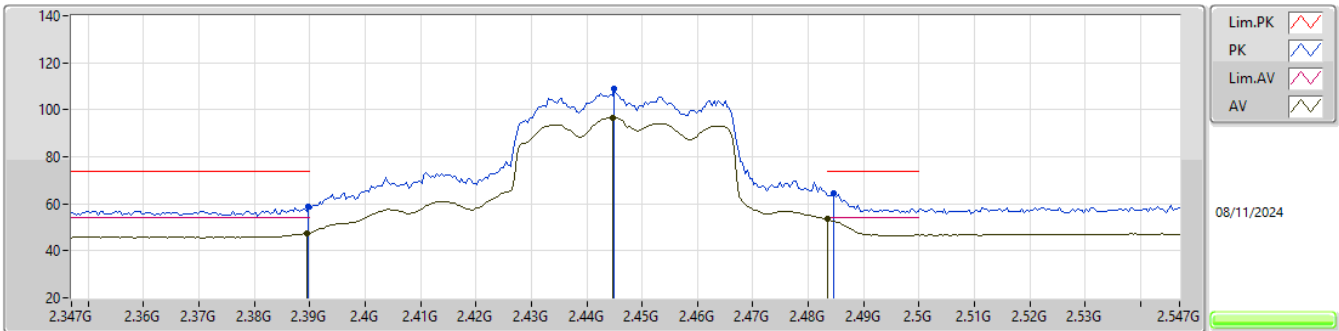
2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

2462MHz_TX



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

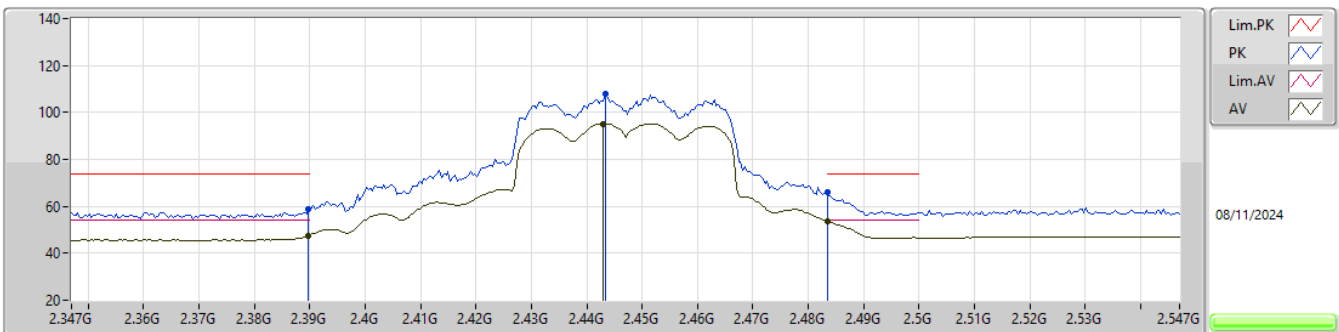
2447MHz_TX



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	2.3894G	47.39	54.00	-6.61	32.66	3	Vertical	55	1.42	14.73	27.39	5.27	-
AV	2.4446G	96.66	Inf	-Inf	33.01	3	Vertical	55	1.42	63.65	27.65	5.36	-
AV	2.4835G	53.51	54.00	-0.49	33.33	3	Vertical	55	1.42	20.18	27.90	5.43	-
PK	2.3898G	58.78	74.00	-15.22	32.67	3	Vertical	55	1.42	26.11	27.40	5.27	-
PK	2.445G	108.87	Inf	-Inf	33.01	3	Vertical	55	1.42	75.86	27.65	5.36	-
PK	2.4846G	64.44	74.00	-9.56	33.34	3	Vertical	55	1.42	31.10	27.90	5.44	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2447MHz_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	2.3898G	47.40	54.00	-6.60	32.67	3	Horizontal	124	1.50	14.73	27.40	5.27	-
AV	2.443G	95.25	Inf	-Inf	33.03	3	Horizontal	124	1.50	62.22	27.67	5.36	-
AV	2.4835G	53.70	54.00	-0.30	33.33	3	Horizontal	124	1.50	20.37	27.90	5.43	-
PK	2.3898G	58.78	74.00	-15.22	32.67	3	Horizontal	124	1.50	26.11	27.40	5.27	-
PK	2.4434G	107.80	Inf	-Inf	33.03	3	Horizontal	124	1.50	74.77	27.67	5.36	-
PK	2.4835G	65.84	74.00	-8.16	33.33	3	Horizontal	124	1.50	32.51	27.90	5.43	-



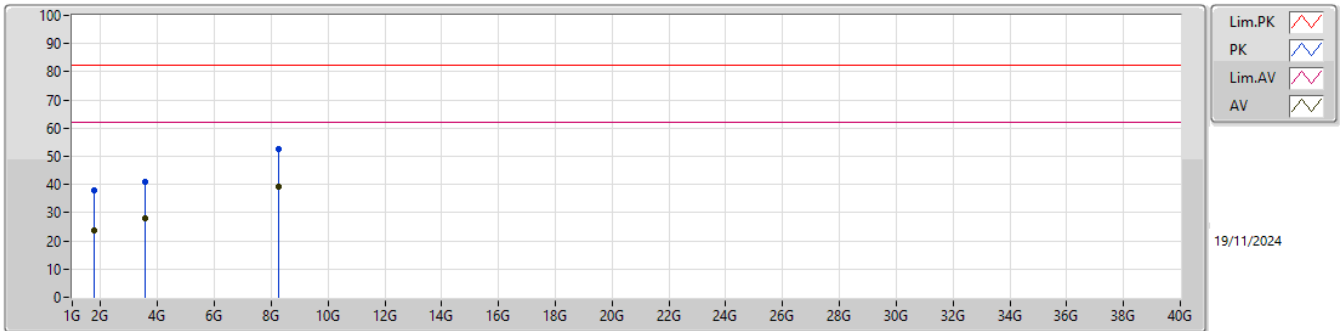
Summary

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

Result

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

Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1

