



FCC Radio Test Report

FCC ID : 2A9V3PAX1800LITE
Equipment : WiFi Access Point
Brand Name : Plasma Cloud
Model Name : PAX1800-Lite
Applicant : Plasma Cloud Pte. Ltd.
10 ANSON ROAD #33-03 INTERNATIONAL PLAZA, 079903
SINGAPORE
Manufacturer : Plasma Cloud Pte. Ltd.
10 ANSON ROAD #33-03 INTERNATIONAL PLAZA, 079903
SINGAPORE
Standard : 47 CFR FCC Part 15.247

The product was received on May 14, 2025, and testing was started from Jun. 04, 2025 and completed on Jul. 01, 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 C63.10-2013 and shown compliance with the applicable technical standards.

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


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	8
1.3 Testing Location Information	8
1.4 Measurement Uncertainty	8
2 TEST CONFIGURATION OF EUT.....	9
2.1 Test Channel Mode	9
2.2 The Worst Case Measurement Configuration.....	11
2.3 Accessories	12
2.4 Support Equipment.....	12
2.5 Test Setup Diagram	13
3 TRANSMITTER TEST RESULT	14
3.1 AC Power-line Conducted Emissions	14
3.2 DTS Bandwidth.....	16
3.3 Maximum Conducted Output Power	17
3.4 Power Spectral Density	19
3.5 Emissions in Non-restricted Frequency Bands	20
3.6 Emissions in Restricted Frequency Bands.....	21
4 TEST EQUIPMENT AND CALIBRATION DATA.....	25
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULTS OF DTS BANDWIDTH	
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY	
APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS	
APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS	
APPENDIX G. TEST RESULTS OF RADIATED EMISSION CO-LOCATION	
APPENDIX H. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



History of this test report

Report No.	Version	Description	Issued Date
FR551403AC	01	Initial issue of report	Jul. 16, 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: Ryan Hsiao

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), ax(HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), 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.
- ♦ 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 mode are the same or lower than HEW20/HEW40.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support
1	1	LYNWAVE	MLX24M-126AA0-A	PIFA	I-Pex	2.4G
2	2	LYNWAVE	MLX24M-126AA0-A	PIFA	I-Pex	2.4G
3	1	LYNWAVE	MLX24M-126AA0-A	Patch	I-Pex	5G
4	2	LYNWAVE	MLX24M-126AA0-A	Patch	I-Pex	5G

Ant.	Port	Gain (dBi)				
		2.4G	5G			
			UNII-1	UNII-2A	UNII-2C	UNII-3
1	1	3.9	-	-	-	-
2	2	3.2	-	-	-	-
3	1	-	7	7.3	7.3	7.9
4	2	-	7.1	7.3	7	7

Note 1: The EUT has four antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n/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. 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 ≤ 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 / PoE		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
Beamforming Function	☐ With beamforming	☒ Without beamforming	
Resource Unit	☒ Full RU	☐ Partial RU	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:		...
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		...
☐	Other:		

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_2TX	0.994	0.03	8.422m	10Hz (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.96	0.18	1.397m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.945	0.25	1.028m	1k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.917	0.38	636.875u	2k

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	0.945	0.25	1.028m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.917	0.38	636.875u	2k

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	Andy Wang	23.3~25.5°C / 58~63%	05/Jun/2025
RF Conducted	TH07-HY	Yulin Chen	23.3~24.1°C / 52~55%	12/Jun/2025~01/Jul/2025
Radiated	03CH03-HY	Simon Cheng	20.1~23.4°C / 52~57%	11/Jun/2025~30/Jun/2025
Radiated (Co-location)	03CH02-HY	Daniel Lin	20.8~24.5°C / 54~58%	04/Jun/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	MT7915 QA 0.0.2.29
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Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	19
2437MHz	17.5
2462MHz	17.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	16
2417MHz	16.5
2437MHz	19.5
2457MHz	17
2462MHz	15.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	15
2417MHz	15
2437MHz	18.5
2457MHz	16
2462MHz	14.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	14.5
2427MHz	14.5
2437MHz	15
2447MHz	14.5
2452MHz	14.5

**Beamforming**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	15
2417MHz	15
2437MHz	18.5
2457MHz	16
2462MHz	14.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	14.5
2427MHz	14.5
2437MHz	15
2447MHz	14.5
2452MHz	14.5

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 - Radiated Emission Co-location
Operating Mode	CTX
1	WLAN 2.4GHz+ WLAN 5GHz
Refer to Sporton Test Report No.: FA551403 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
Bracket 1	Brand Name	BLUEMAX INTERNATIONAL CO.,LTD.	Model Name	34M0-0S000041-01Z
Bracket 2	Brand Name	BLUEMAX INTERNATIONAL CO.,LTD.	Model Name	34M0-00000140-01Z
Bracket 3	Brand Name	BLUEMAX INTERNATIONAL CO.,LTD.	Model Name	34M0-00000141-01Z
Kit parts	Brand Name	GUANDONG LONG FEI HARDWARE PRECISION ELECTRONICS CO.,LTD.	Model Name	3000-00000145-01Z

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

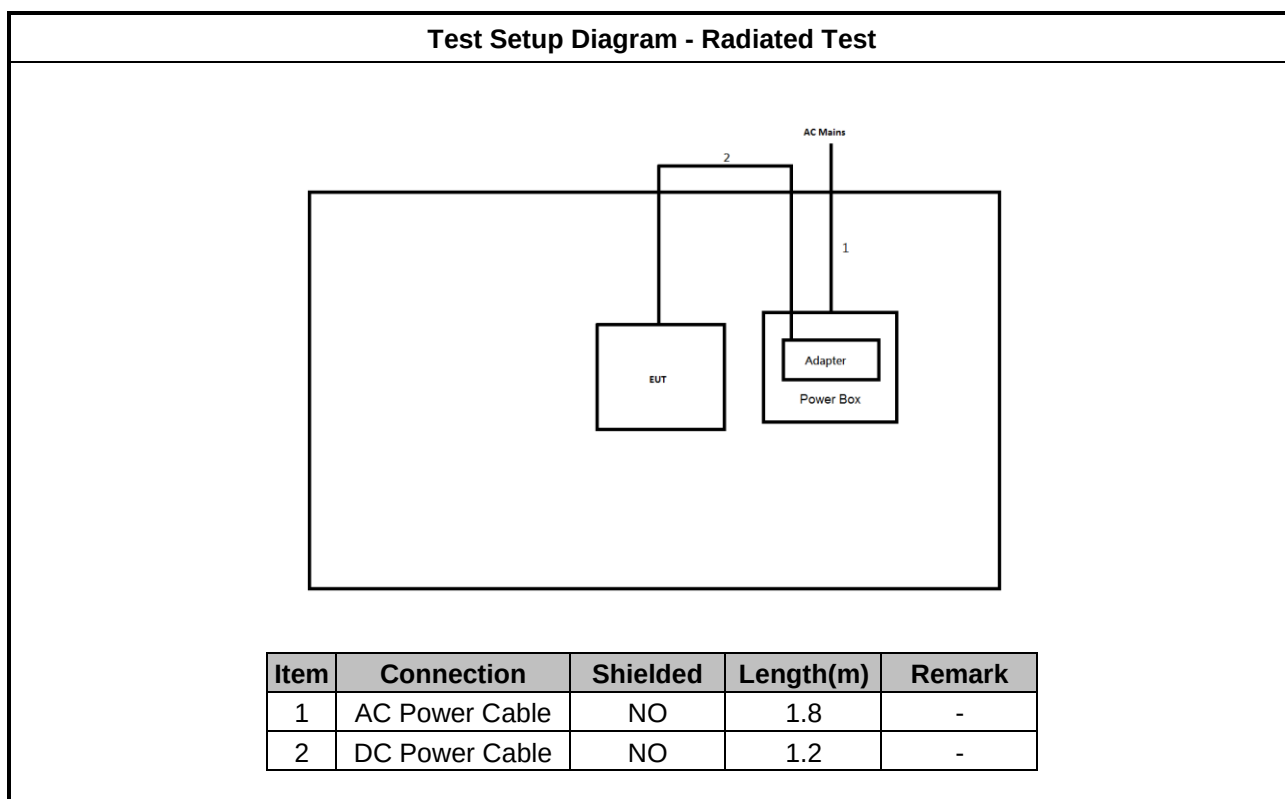
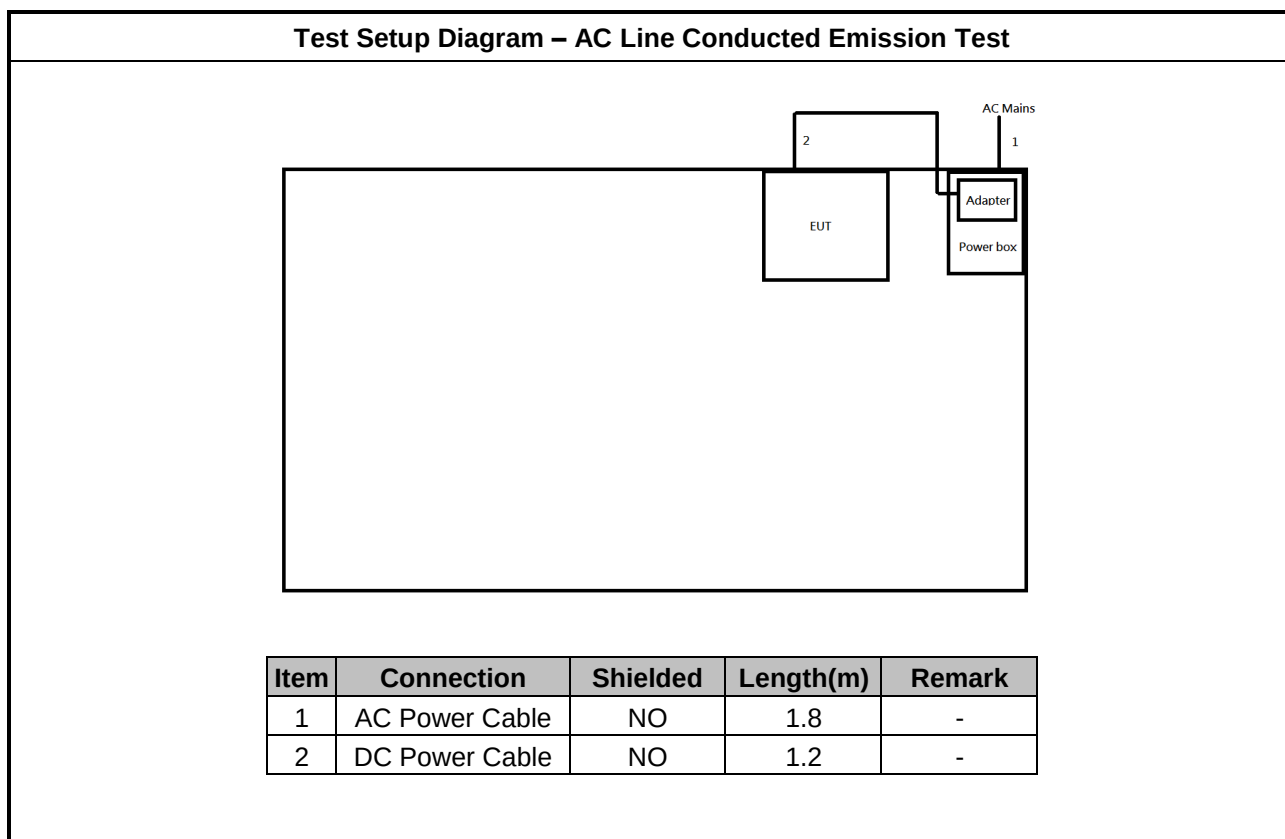
2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Switching Adapter	AMIGO	AMS200-1202000FU	-	Provided by Customer

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Switching Adapter	AMIGO	AMS200-1202000FU	-	Provided by Customer

2.5 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

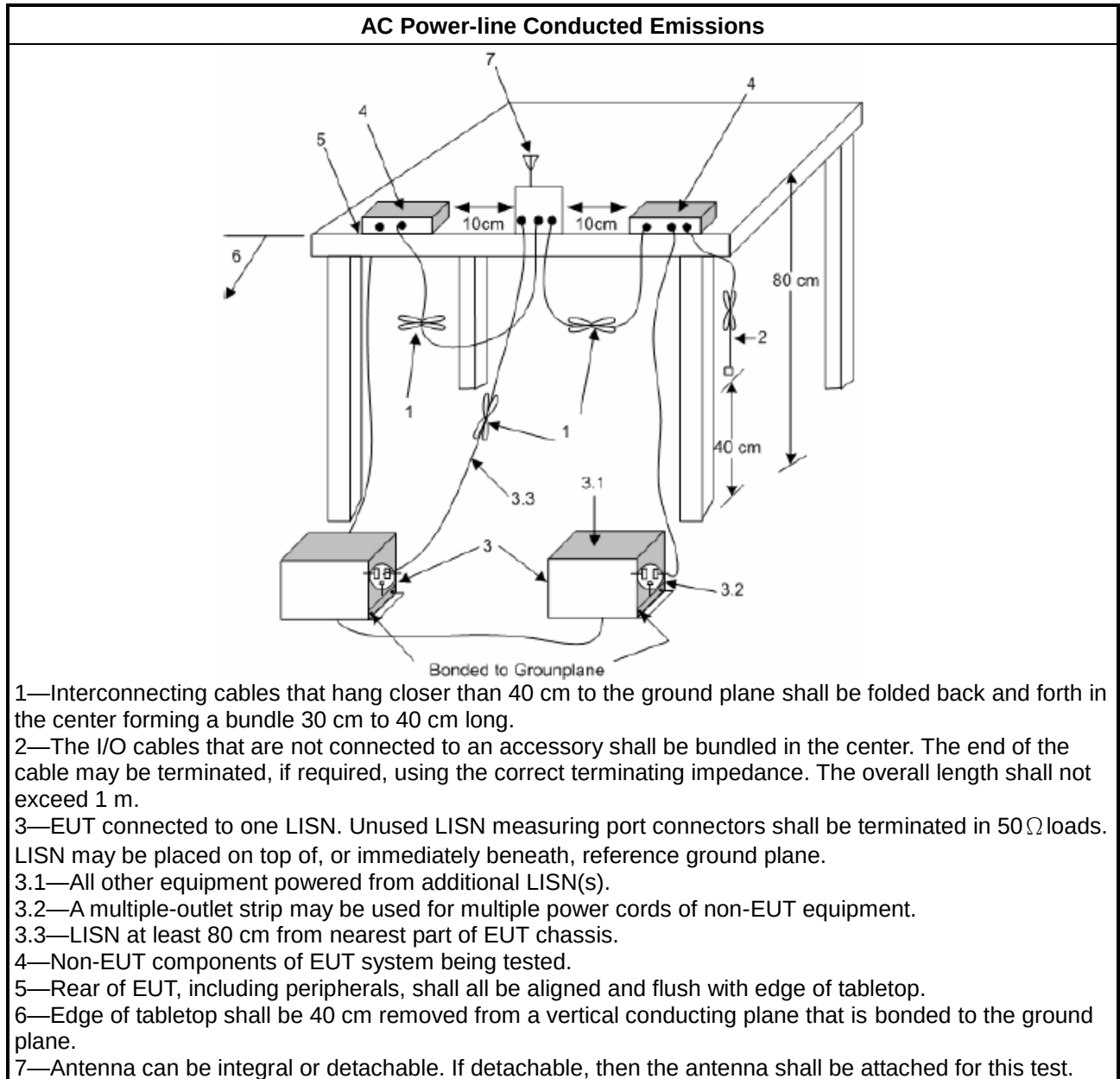
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

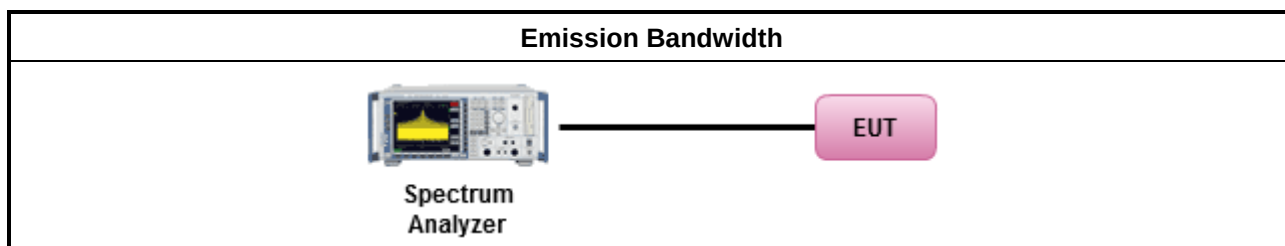
3.2.2 Measuring Instruments

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 $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB 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.	

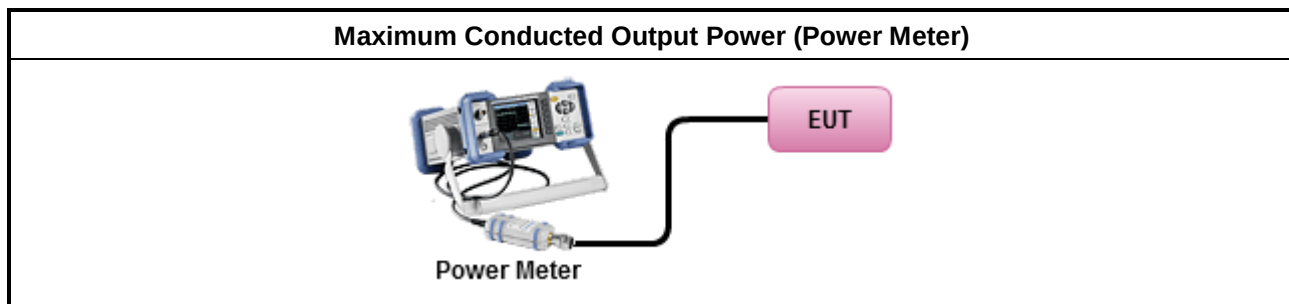
3.3.2 Measuring Instruments

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

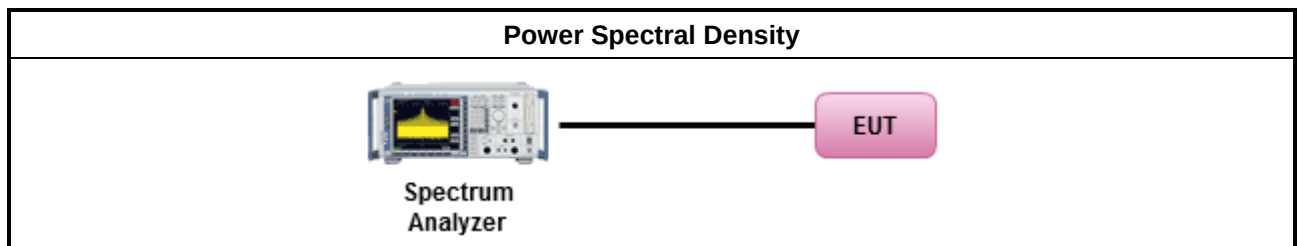
3.4.2 Measuring Instruments

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.	

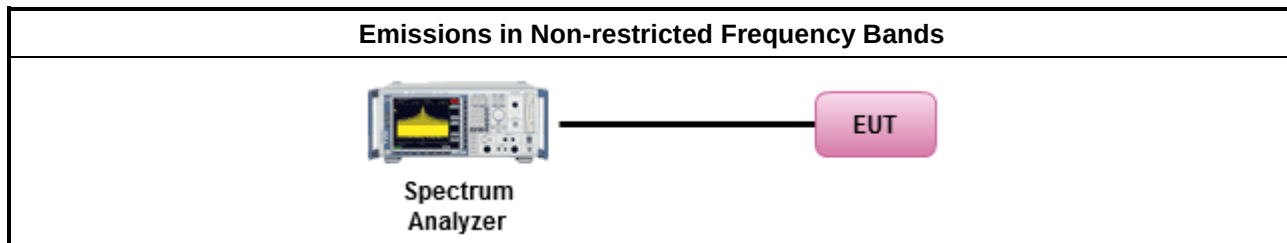
3.5.2 Measuring Instruments

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

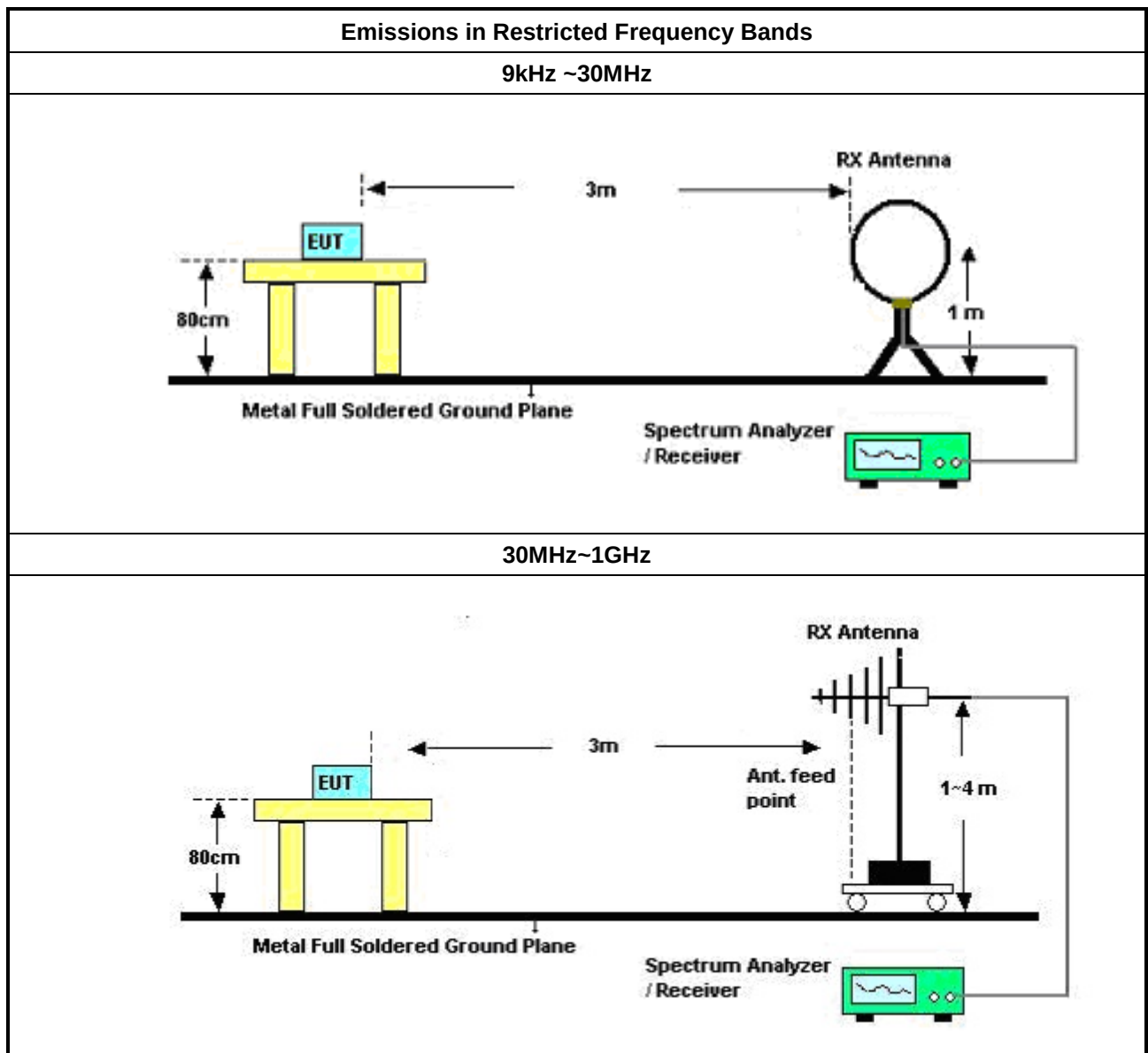
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted 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.

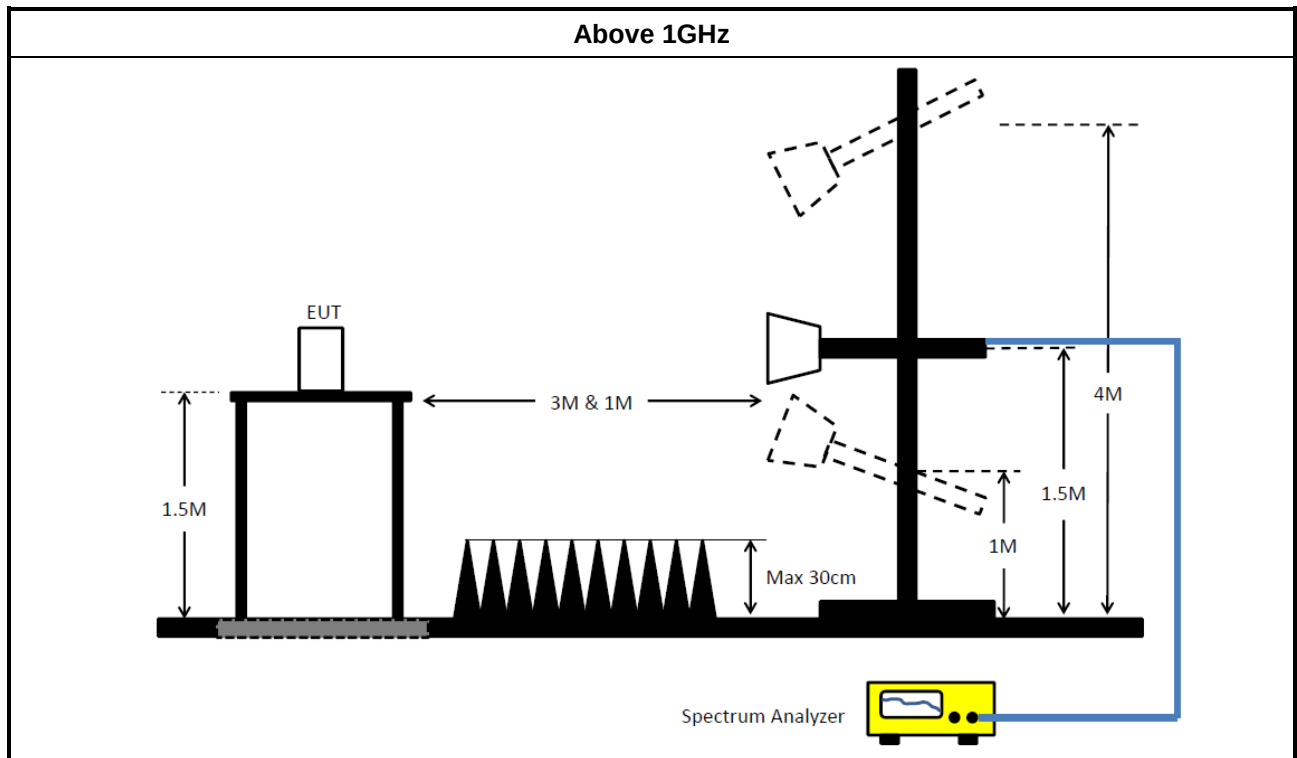
3.6.4 Measurement Results Calculation

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 Receiv+A3:G10er	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	21/May/2025	20/May/2026
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	100003	9kHz ~ 30MHz	18/Apr/2025	17/Apr/2026
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	26/Feb/2025	25/Feb/2026
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	101515	9kHz~40GHz	23/Jan/2025	22/Jan/2026
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	18/Dec/2024	17/Dec/2025
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	18/Dec/2024	17/Dec/2025
SENSE-15247_DTS	Sporton	V5.11.24	N/A	N/A	N/A	N/A

**Instrument for Radiated Test**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	14/Jul/2024	13/Jul/2025
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	14/May/2025	13/May/2026
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101748	10Hz~44GHz	10/Apr/2025	09/Apr/2026
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMC	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	14/Oct/2024	13/Oct/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz~18GHz	18/Oct/2024	17/Oct/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz ~ 40GHz	04/Oct/2024	03/Oct/2025
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~1.3G Hz	13/Sep/2024	12/Sep/2025
Microwave Premplifier	Agilent	8449B	3008A02326	1GHz~26.5 GHz	25/Jul/2024	24/Jul/2025
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	26/Apr/2025	25/Apr/2026
SENSE-15247_DTS	Sporton	V5.11.23	NA	NA	NA	NA

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Site V.S.W.R	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3M	14/Jul/2024	13/Jul/2025
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101750	10Hz~44GHz	10/Apr/2025	09/Apr/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable -01	1GHz~40GHz	13/Feb/2025	12/Feb/2026
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	26/Apr/2025	25/Apr/2026
SENSE-EMI	Sporton	V5.11.9	N/A	N/A	N/A	N/A



Conducted Emissions at Powerline_Non-Beamforming

Appendix A

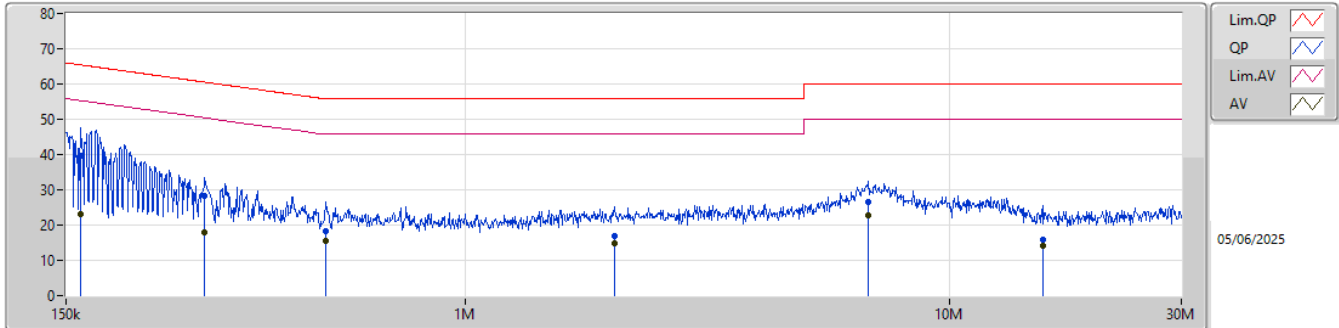
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	432.041k	24.31	47.20	-22.89	Neutral

Result

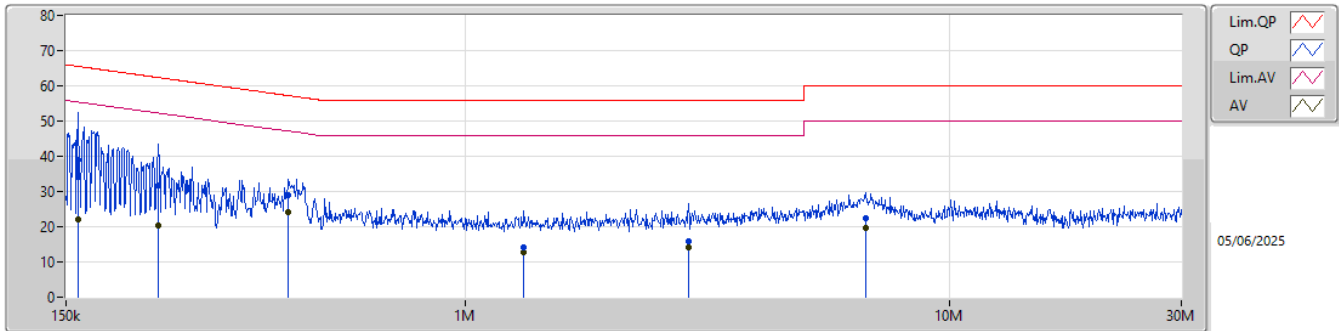
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	161.175k	39.74	65.41	-25.67	Line
Mode 1	Pass	AV	161.175k	23.16	55.41	-32.25	Line
Mode 1	Pass	QP	289.837k	28.27	60.53	-32.26	Line
Mode 1	Pass	AV	289.837k	18.07	50.53	-32.46	Line
Mode 1	Pass	QP	515.002k	18.16	56.00	-37.84	Line
Mode 1	Pass	AV	515.002k	15.67	46.00	-30.33	Line
Mode 1	Pass	QP	2.033M	16.87	56.00	-39.13	Line
Mode 1	Pass	AV	2.033M	14.82	46.00	-31.18	Line
Mode 1	Pass	QP	6.789M	26.44	60.00	-33.56	Line
Mode 1	Pass	AV	6.789M	22.78	50.00	-27.22	Line
Mode 1	Pass	QP	15.574M	15.70	60.00	-44.30	Line
Mode 1	Pass	AV	15.574M	14.21	50.00	-35.79	Line
Mode 1	Pass	QP	158.622k	38.86	65.54	-26.68	Neutral
Mode 1	Pass	AV	158.622k	22.11	55.54	-33.43	Neutral
Mode 1	Pass	QP	232.702k	31.82	62.35	-30.53	Neutral
Mode 1	Pass	AV	232.702k	20.25	52.35	-32.10	Neutral
Mode 1	Pass	QP	432.041k	29.01	57.20	-28.19	Neutral
Mode 1	Pass	AV	432.041k	24.31	47.20	-22.89	Neutral
Mode 1	Pass	QP	2.889M	15.89	56.00	-40.11	Neutral
Mode 1	Pass	AV	2.889M	14.25	46.00	-31.75	Neutral
Mode 1	Pass	QP	6.708M	22.56	60.00	-37.44	Neutral
Mode 1	Pass	AV	6.708M	19.78	50.00	-30.22	Neutral
Mode 1	Pass	QP	1.321M	14.14	56.00	-41.86	Neutral
Mode 1	Pass	AV	1.321M	12.62	46.00	-33.38	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	161.175k	39.74	65.41	-25.67	19.61	Line	-	20.13	9.63	0.01	9.97						
AV	161.175k	23.16	55.41	-32.25	19.61	Line	-	3.55	9.63	0.01	9.97						
QP	289.837k	28.27	60.53	-32.26	19.63	Line	-	8.64	9.63	0.02	9.98						
AV	289.837k	18.07	50.53	-32.46	19.63	Line	-	-1.56	9.63	0.02	9.98						
QP	515.002k	18.16	56.00	-37.84	19.65	Line	-	-1.49	9.63	0.04	9.98						
AV	515.002k	15.67	46.00	-30.33	19.65	Line	-	-3.98	9.63	0.04	9.98						
QP	2.033M	16.87	56.00	-39.13	19.66	Line	-	-2.79	9.66	0.03	9.97						
AV	2.033M	14.82	46.00	-31.18	19.66	Line	-	-4.84	9.66	0.03	9.97						
QP	6.789M	26.44	60.00	-33.56	19.87	Line	-	6.57	9.73	0.16	9.98						
AV	6.789M	22.78	50.00	-27.22	19.87	Line	-	2.91	9.73	0.16	9.98						
QP	15.574M	15.70	60.00	-44.30	20.05	Line	-	-4.35	9.79	0.28	9.98						
AV	15.574M	14.21	50.00	-35.79	20.05	Line	-	-5.84	9.79	0.28	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	158.622k	38.86	65.54	-26.68	19.71	Neutral	-	19.15	9.73	0.01	9.97						
AV	158.622k	22.11	55.54	-33.43	19.71	Neutral	-	2.40	9.73	0.01	9.97						
QP	232.702k	31.82	62.35	-30.53	19.70	Neutral	-	12.12	9.72	0.01	9.97						
AV	232.702k	20.25	52.35	-32.10	19.70	Neutral	-	0.55	9.72	0.01	9.97						
QP	432.041k	29.01	57.20	-28.19	19.72	Neutral	-	9.29	9.71	0.03	9.98						
AV	432.041k	24.31	47.20	-22.89	19.72	Neutral	-	4.59	9.71	0.03	9.98						
QP	2.889M	15.89	56.00	-40.11	19.79	Neutral	-	-3.90	9.77	0.04	9.98						
AV	2.889M	14.25	46.00	-31.75	19.79	Neutral	-	-5.54	9.77	0.04	9.98						
QP	6.708M	22.56	60.00	-37.44	20.03	Neutral	-	2.53	9.89	0.16	9.98						
AV	6.708M	19.78	50.00	-30.22	20.03	Neutral	-	-0.25	9.89	0.16	9.98						
QP	1.321M	14.14	56.00	-41.86	19.75	Neutral	-	-5.61	9.73	0.04	9.98						
AV	1.321M	12.62	46.00	-33.38	19.75	Neutral	-	-7.13	9.73	0.04	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	8.1M	13.013M	13M0G1D	8.05M	12.654M
802.11g_Nss1,(6Mbps)_2TX	16.3M	16.712M	16M7D1D	15.075M	16.294M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.975M	19.015M	19M0D1D	15.1M	18.766M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.8M	37.631M	37M6D1D	32M	37.331M

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	8.05M	12.984M	8.05M	13.013M
2437MHz	Pass	500k	8.1M	12.654M	8.05M	12.669M
2462MHz	Pass	500k	8.05M	12.684M	8.05M	12.714M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.492M	16.3M	16.316M
2437MHz	Pass	500k	15.075M	16.668M	15.1M	16.712M
2462MHz	Pass	500k	16.25M	16.47M	15.75M	16.294M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.95M	18.766M	18.625M	18.816M
2437MHz	Pass	500k	18.9M	18.916M	18.55M	19.015M
2462MHz	Pass	500k	15.1M	18.891M	18.975M	18.966M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.4M	37.631M	33.85M	37.481M
2437MHz	Pass	500k	37.8M	37.581M	37.75M	37.531M
2452MHz	Pass	500k	32M	37.531M	36.8M	37.331M

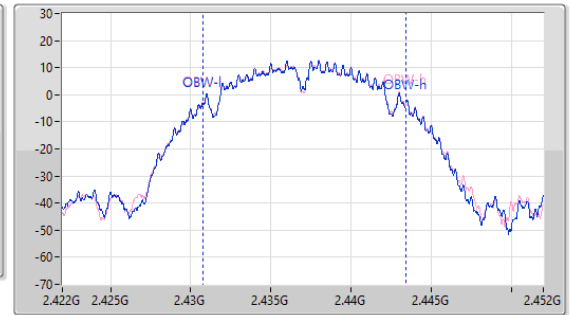
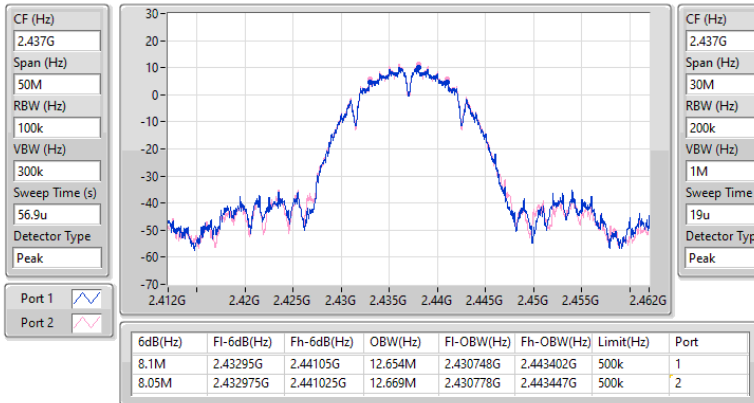
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2437MHz

12/06/2025

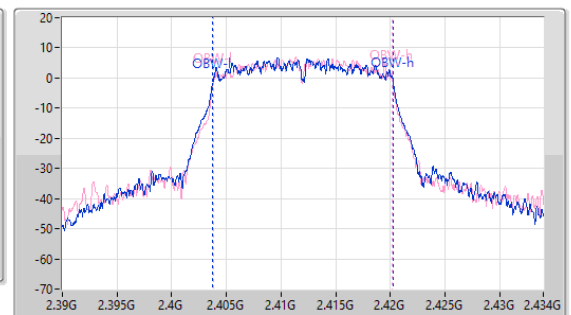
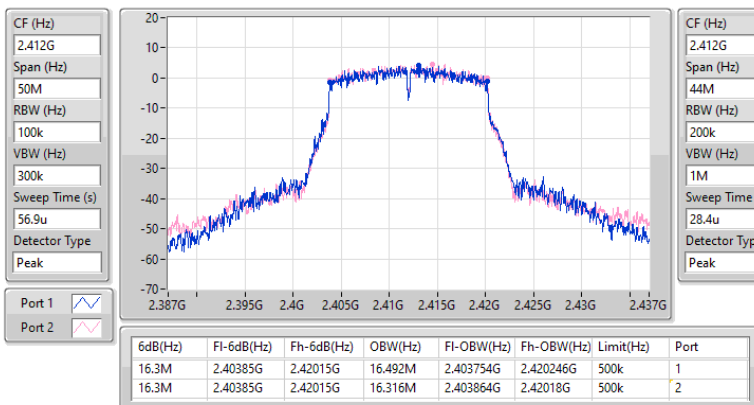


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

12/06/2025

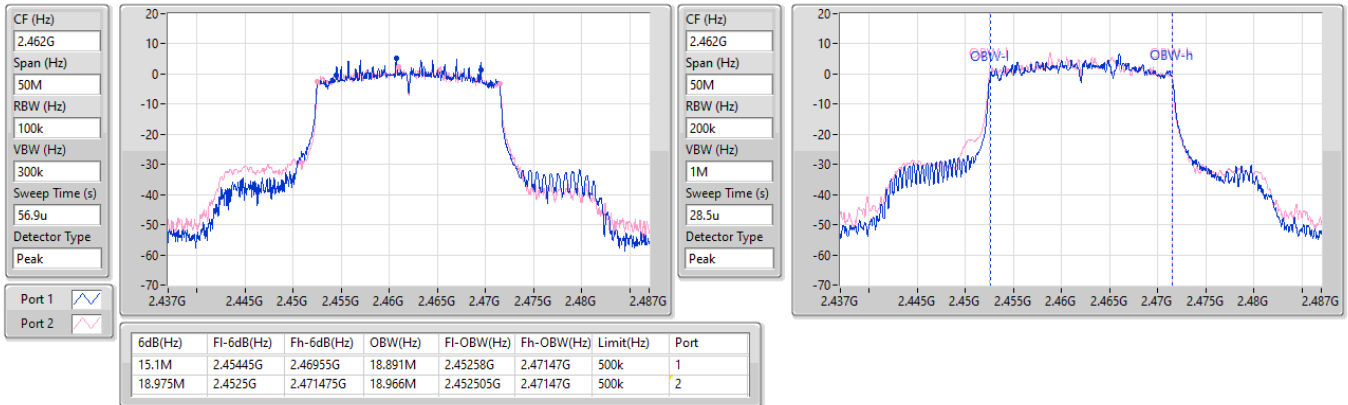


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

12/06/2025

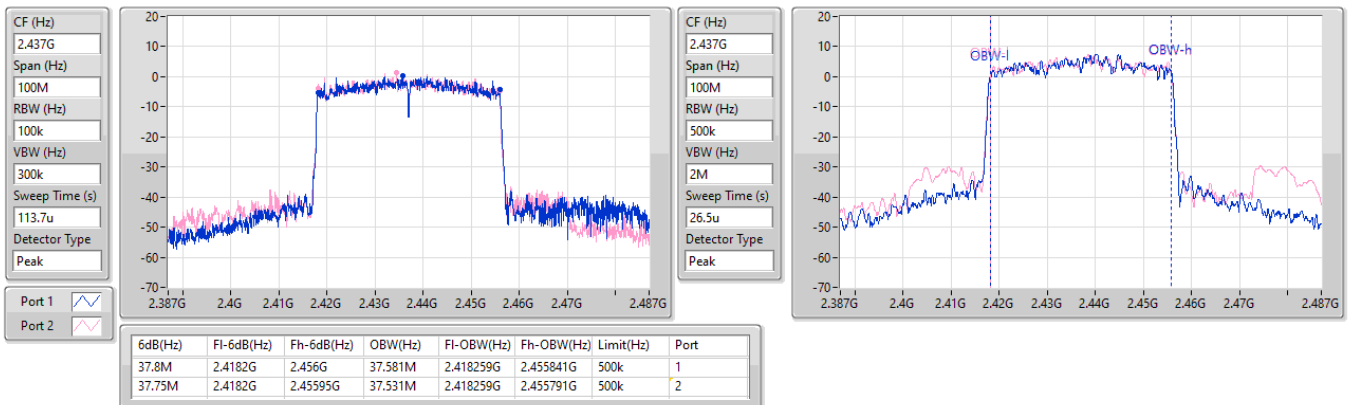


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

26/06/2025





Average Power_Non-Beamforming

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.27	0.33651
802.11g_Nss1,(6Mbps)_2TX	24.72	0.29648
802.11ax HEW20_Nss1,(MCS0)_2TX	23.66	0.23227
802.11ax HEW40_Nss1,(MCS0)_2TX	19.89	0.09750



Average Power_Non-Beamforming

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.90	22.15	22.37	25.27	30.00
2437MHz	Pass	3.90	20.52	20.79	23.67	30.00
2462MHz	Pass	3.90	20.56	20.55	23.57	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.90	18.04	18.28	21.17	30.00
2417MHz	Pass	3.90	18.74	18.88	21.82	30.00
2437MHz	Pass	3.90	21.66	21.75	24.72	30.00
2457MHz	Pass	3.90	18.95	18.86	21.92	30.00
2462MHz	Pass	3.90	17.59	17.88	20.75	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.90	17.05	17.27	20.17	30.00
2417MHz	Pass	3.90	17.40	17.38	20.40	30.00
2437MHz	Pass	3.90	20.61	20.69	23.66	30.00
2457MHz	Pass	3.90	18.03	17.90	20.98	30.00
2462MHz	Pass	3.90	16.68	16.81	19.76	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.90	16.63	16.72	19.69	30.00
2427MHz	Pass	3.90	16.73	16.81	19.78	30.00
2437MHz	Pass	3.90	16.88	16.88	19.89	30.00
2447MHz	Pass	3.90	16.40	16.23	19.33	30.00
2452MHz	Pass	3.90	16.37	16.23	19.31	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	23.66	0.23227
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.89	0.09750



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	6.57	17.05	17.27	20.17	29.43
2417MHz	Pass	6.57	17.4	17.38	20.40	29.43
2437MHz	Pass	6.57	20.61	20.69	23.66	29.43
2457MHz	Pass	6.57	18.03	17.9	20.98	29.43
2462MHz	Pass	6.57	16.68	16.81	19.76	29.43
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.57	16.63	16.72	19.69	29.43
2427MHz	Pass	6.57	16.73	16.81	19.78	29.43
2437MHz	Pass	6.57	16.88	16.88	19.89	29.43
2447MHz	Pass	6.57	16.4	16.23	19.33	29.43
2452MHz	Pass	6.57	16.37	16.23	19.31	29.43

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	-0.22
802.11g_Nss1,(6Mbps)_2TX	-2.09
802.11ax HEW20_Nss1,(MCS0)_2TX	-2.54
802.11ax HEW40_Nss1,(MCS0)_2TX	-10.80

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	6.57	-1.28	-1.75	-0.26	7.43
2437MHz	Pass	6.57	-3.79	-1.63	-0.22	7.43
2462MHz	Pass	6.57	-2.89	-3.17	-1.80	7.43
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.57	-6.96	-6.86	-5.10	7.43
2437MHz	Pass	6.57	-3.59	-3.85	-2.09	7.43
2462MHz	Pass	6.57	-6.60	-7.50	-5.68	7.43
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.57	-7.96	-9.43	-5.89	7.43
2437MHz	Pass	6.57	-5.68	-5.23	-2.54	7.43
2462MHz	Pass	6.57	-9.56	-9.55	-7.15	7.43
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.57	-12.91	-12.74	-10.88	7.43
2437MHz	Pass	6.57	-12.76	-12.61	-10.88	7.43
2452MHz	Pass	6.57	-13.57	-12.84	-10.80	7.43

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

12/06/2025

CF (Hz)
2.437G

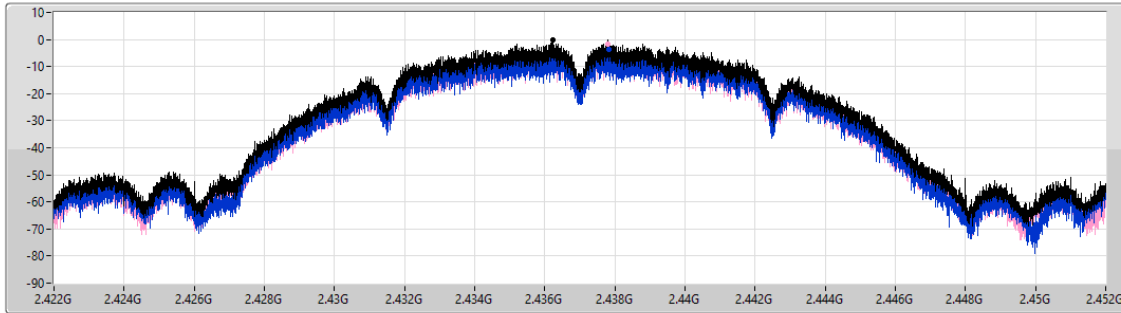
Span (Hz)
30M

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
4.424m

Detector Type
Peak



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-0.22	-0.22	-3.79	-1.63

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

PSD

2437MHz

12/06/2025

CF (Hz)
2.437G

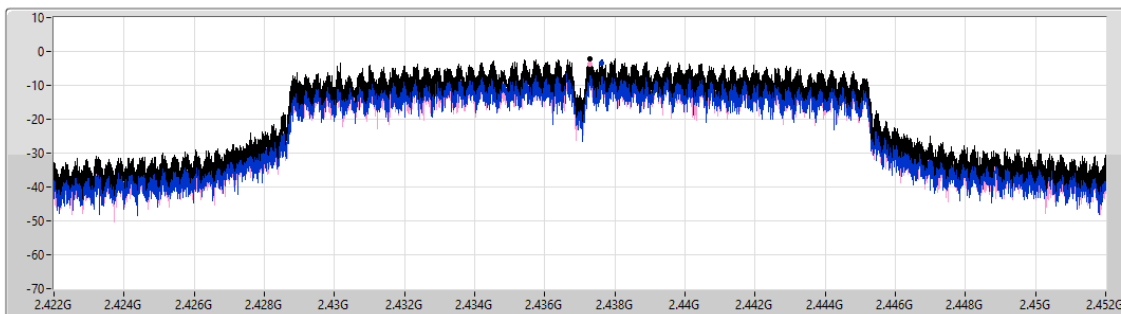
Span (Hz)
30M

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
4.424m

Detector Type
Peak



Sum ☒

Port 1 ☒

Port 2 ☒

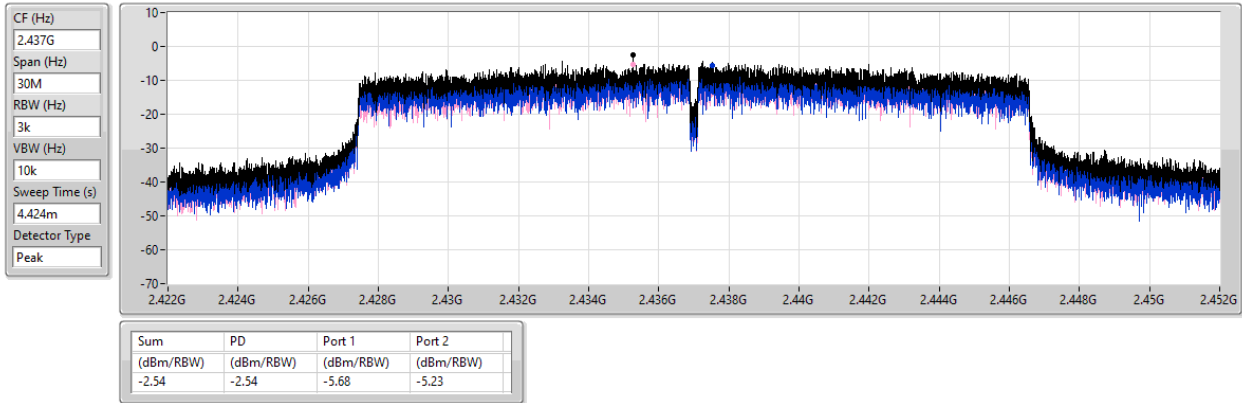
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-2.09	-2.09	-3.59	-3.85

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

PSD

2437MHz

12/06/2025

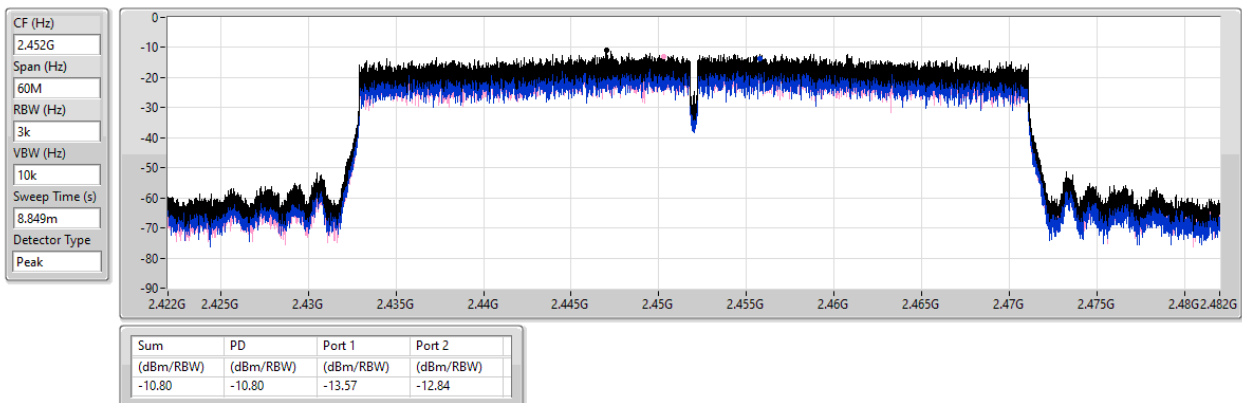


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

26/06/2025



**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	2.41236G	14.05	-15.95	2.12467G	-54.39	2.39456G	-32.83	2.4G	-35.21	2.50766G	-54.41	7.23514G	-39.04	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	11.63	-18.37	2.15962G	-54.80	2.3996G	-30.29	2.4G	-30.01	2.50574G	-53.84	24.49428G	-41.93	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43574G	10.14	-19.86	2.09904G	-55.23	2.39824G	-34.56	2.4G	-37.52	2.5143G	-53.47	16.76236G	-42.42	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4344G	3.51	-26.49	2.01543G	-54.12	2.39728G	-34.54	2.4G	-36.65	2.54862G	-53.62	23.47712G	-43.12	2

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	2.41236G	14.05	-15.95	1.97788G	-55.39	2.39456G	-36.51	2.4G	-37.56	2.51406G	-54.10	7.23514G	-37.91	1
2412MHz	Pass	2.41236G	14.05	-15.95	2.12467G	-54.39	2.39456G	-32.83	2.4G	-35.21	2.50766G	-54.41	7.23514G	-39.04	2
2437MHz	Pass	2.41236G	14.05	-15.95	2.1503G	-54.97	2.3992G	-52.10	2.4G	-52.69	2.52334G	-52.98	15.18901G	-41.96	1
2437MHz	Pass	2.41236G	14.05	-15.95	1.76003G	-55.21	2.39976G	-51.09	2.4G	-51.26	2.51062G	-53.67	24.17118G	-42.33	2
2462MHz	Pass	2.41236G	14.05	-15.95	2.17127G	-54.87	2.39728G	-53.46	2.4G	-54.59	2.50526G	-53.63	14.87996G	-42.51	1
2462MHz	Pass	2.41236G	14.05	-15.95	2.30175G	-54.95	2.39968G	-53.86	2.4G	-54.66	2.51862G	-53.41	15.19744G	-43.37	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	11.63	-18.37	2.18758G	-55.18	2.39608G	-30.15	2.4G	-30.41	2.50134G	-53.53	24.51395G	-42.65	1
2412MHz	Pass	2.43574G	11.63	-18.37	2.15962G	-54.80	2.3996G	-30.29	2.4G	-30.01	2.50574G	-53.84	24.49428G	-41.93	2
2437MHz	Pass	2.43574G	11.63	-18.37	2.11535G	-55.83	2.39952G	-40.16	2.4G	-39.78	2.50942G	-54.34	24.73871G	-42.59	1
2437MHz	Pass	2.43574G	11.63	-18.37	2.30874G	-55.09	2.39864G	-39.22	2.4G	-41.04	2.52062G	-53.79	16.87755G	-42.14	2
2462MHz	Pass	2.43574G	11.63	-18.37	2.15846G	-54.31	2.3952G	-52.31	2.4G	-54.21	2.51798G	-53.52	24.49709G	-42.57	1
2462MHz	Pass	2.43574G	11.63	-18.37	2.30758G	-55.51	2.39832G	-50.46	2.4G	-51.79	2.50438G	-53.12	24.2077G	-42.36	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	10.14	-19.86	2.15613G	-54.81	2.39976G	-37.42	2.4G	-40.57	2.51966G	-53.42	24.55328G	-42.31	1
2412MHz	Pass	2.43574G	10.14	-19.86	2.09904G	-55.23	2.39824G	-34.56	2.4G	-37.52	2.5143G	-53.47	16.76236G	-42.42	2
2437MHz	Pass	2.43574G	10.14	-19.86	1.9208G	-55.57	2.39328G	-38.06	2.4G	-43.80	2.50542G	-53.18	17.60523G	-42.69	1
2437MHz	Pass	2.43574G	10.14	-19.86	1.97089G	-55.12	2.39328G	-39.44	2.4G	-41.76	2.50286G	-53.44	17.48161G	-42.19	2
2462MHz	Pass	2.43574G	10.14	-19.86	2.30991G	-55.23	2.39984G	-52.13	2.4G	-53.35	2.51374G	-53.22	17.17818G	-42.05	1
2462MHz	Pass	2.43574G	10.14	-19.86	2.30758G	-54.48	2.39952G	-51.61	2.4G	-52.00	2.51174G	-53.32	16.99837G	-43.08	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	3.51	-26.49	1.81162G	-55.49	2.39728G	-40.41	2.4G	-41.63	2.50782G	-53.77	15.25975G	-42.71	1
2422MHz	Pass	2.4344G	3.51	-26.49	2.01543G	-54.12	2.39728G	-34.54	2.4G	-36.65	2.54862G	-53.62	23.47712G	-43.12	2
2437MHz	Pass	2.4344G	3.51	-26.49	1.98223G	-55.37	2.39472G	-40.38	2.4G	-42.75	2.53134G	-53.83	24.79807G	-42.28	1
2437MHz	Pass	2.4344G	3.51	-26.49	2.1368G	-55.63	2.39552G	-39.70	2.4G	-41.62	2.54638G	-54.20	24.48677G	-42.41	2
2452MHz	Pass	2.4344G	3.51	-26.49	2.17115G	-55.43	2.3992G	-42.06	2.4G	-44.61	2.5091G	-53.89	24.4475G	-42.82	1
2452MHz	Pass	2.4344G	3.51	-26.49	2.17917G	-55.04	2.39952G	-42.63	2.4G	-41.94	2.53294G	-53.61	24.22033G	-42.43	2

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

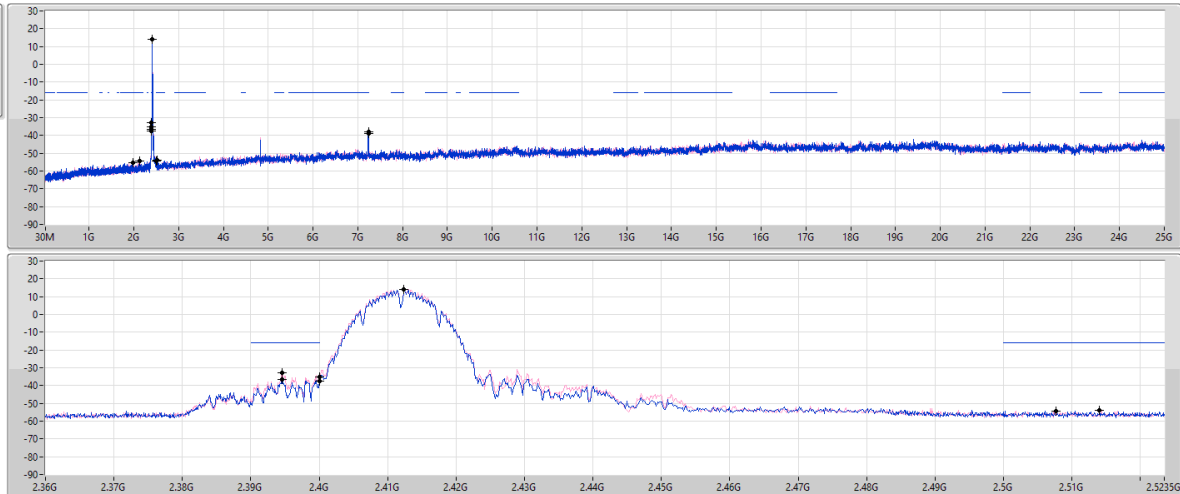
CSEndB

2412MHz

26/06/2025

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

Port 1
Port 2



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
2.412366	14.05	-15.95	1.97788G	-55.39	2.39456G	-36.51	2.4G	-37.56	2.51406G	-54.10	7.23514G	-37.91	1
2.412366	14.05	-15.95	2.12467G	-54.39	2.39456G	-32.83	2.4G	-35.21	2.50766G	-54.41	7.23514G	-39.04	2

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

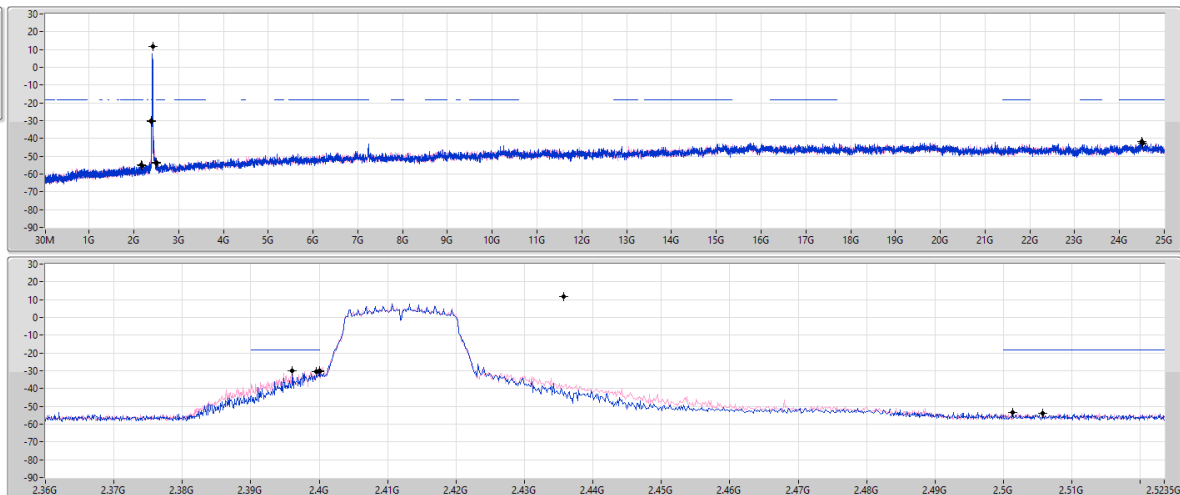
CSEndB

2412MHz

12/06/2025

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

Port 1
Port 2



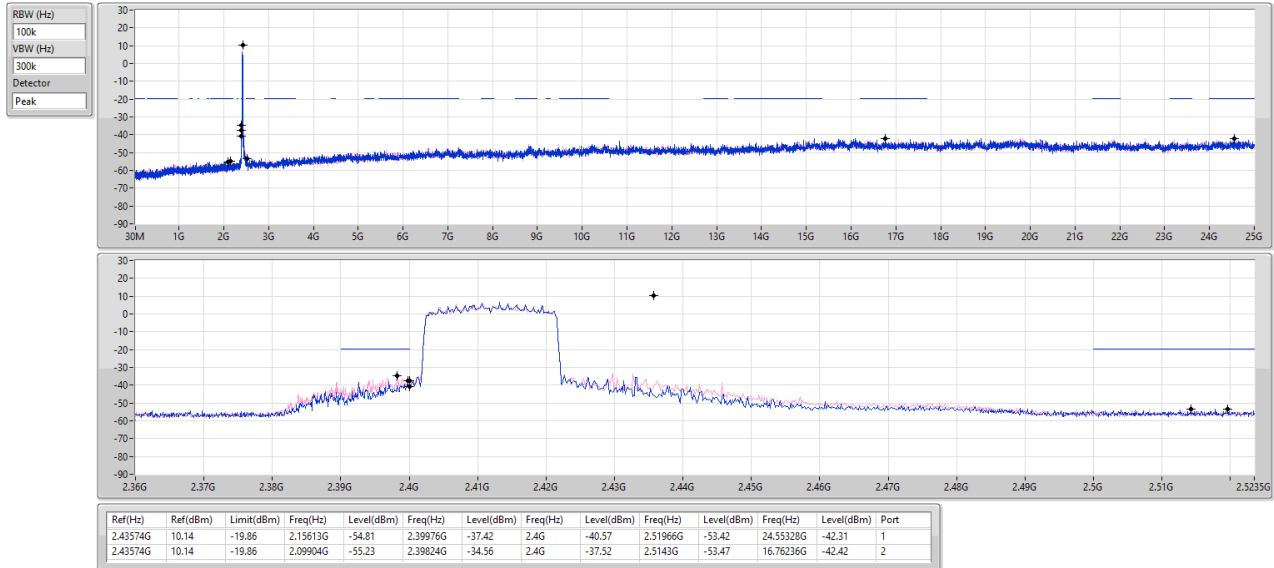
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	11.63	-18.37	2.18758G	-55.18	2.39608G	-30.15	2.4G	-30.41	2.50134G	-53.53	24.51395G	-42.65	1
2.43574G	11.63	-18.37	2.15962G	-54.80	2.3996G	-30.29	2.4G	-30.01	2.50574G	-53.84	24.49428G	-41.93	2

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

CSEndB

2412MHz

12/06/2025

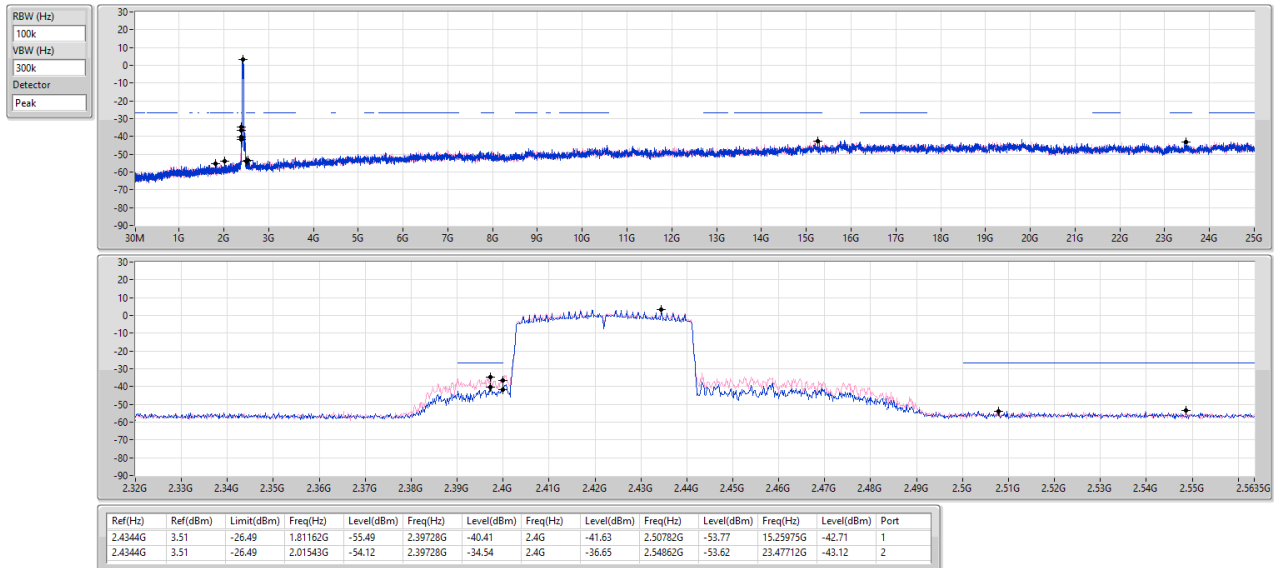


2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

CSEndB

2422MHz

26/06/2025





Summary

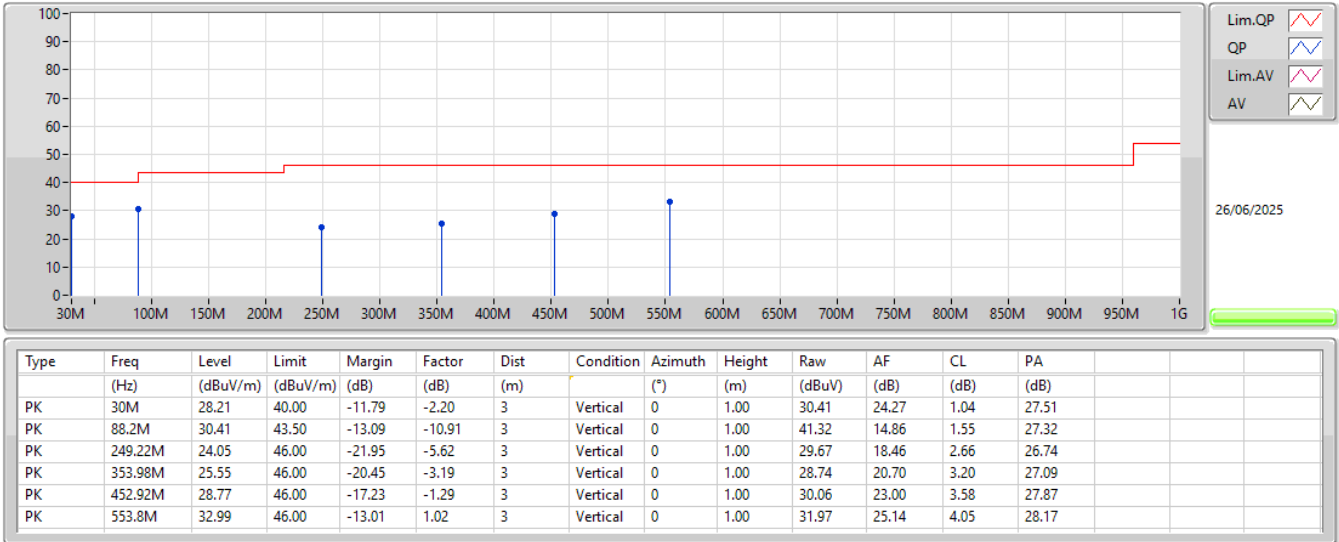
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	88.2M	32.66	43.50	-10.84	3	Horizontal	360	1.00

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	30M	28.21	40.00	-11.79	3	Vertical	0	1.00
2437MHz	Pass	PK	88.2M	30.41	43.50	-13.09	3	Vertical	0	1.00
2437MHz	Pass	PK	249.22M	24.05	46.00	-21.95	3	Vertical	0	1.00
2437MHz	Pass	PK	353.98M	25.55	46.00	-20.45	3	Vertical	0	1.00
2437MHz	Pass	PK	452.92M	28.77	46.00	-17.23	3	Vertical	0	1.00
2437MHz	Pass	PK	553.8M	32.99	46.00	-13.01	3	Vertical	0	1.00
2437MHz	Pass	PK	30M	24.86	40.00	-15.14	3	Horizontal	360	1.00
2437MHz	Pass	PK	88.2M	32.66	43.50	-10.84	3	Horizontal	360	1.00
2437MHz	Pass	PK	249.22M	25.80	46.00	-20.20	3	Horizontal	360	1.00
2437MHz	Pass	PK	383.08M	25.73	46.00	-20.27	3	Horizontal	360	1.00
2437MHz	Pass	PK	450.98M	29.78	46.00	-16.22	3	Horizontal	360	1.00
2437MHz	Pass	PK	555.74M	33.11	46.00	-12.89	3	Horizontal	360	1.00

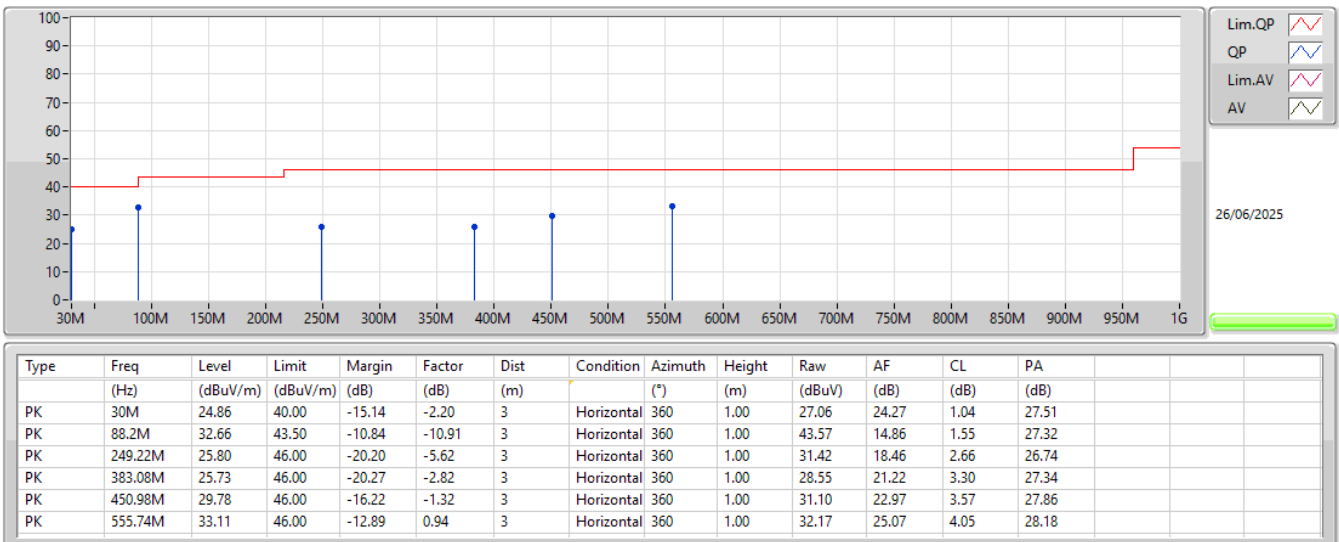
2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_Adapter



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

2437MHz_Adapter





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	2.387G	53.19	54.00	-0.81	3	Horizontal	55	1.60
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.3884G	53.68	54.00	-0.32	3	Horizontal	306	1.65
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.85	54.00	-0.15	3	Horizontal	302	1.33
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.76	54.00	-0.24	3	Horizontal	316	1.44

Result

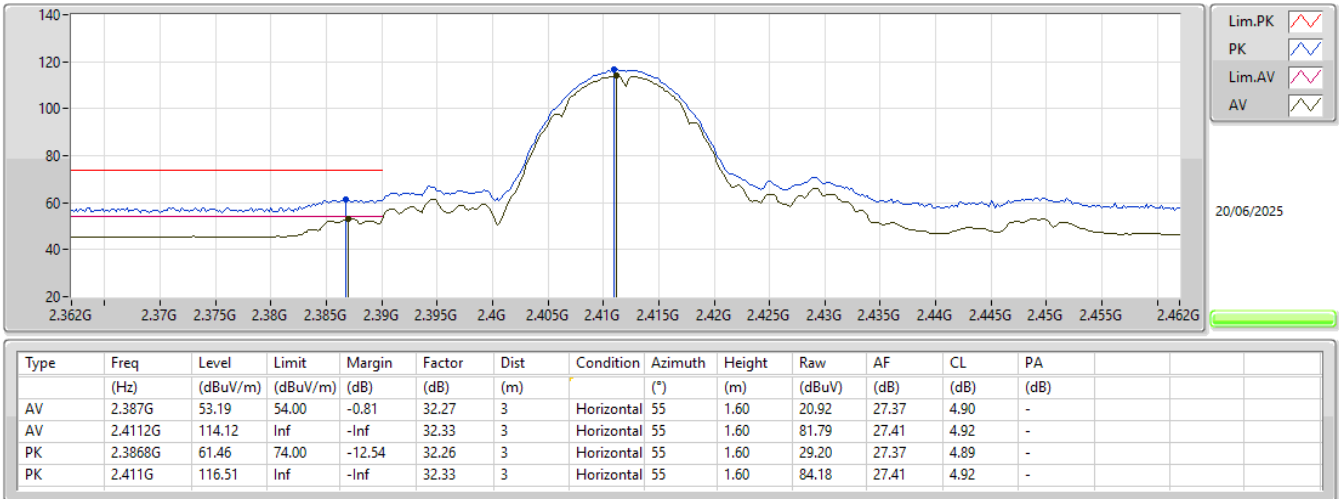
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.387G	53.19	54.00	-0.81	3	Horizontal	55	1.60
2412MHz	Pass	AV	2.4112G	114.12	Inf	-Inf	3	Horizontal	55	1.60
2412MHz	Pass	PK	2.3868G	61.46	74.00	-12.54	3	Horizontal	55	1.60
2412MHz	Pass	PK	2.411G	116.51	Inf	-Inf	3	Horizontal	55	1.60
2412MHz	Pass	AV	4.82396G	41.06	54.00	-12.94	3	Vertical	180	3.00
2412MHz	Pass	PK	4.824G	49.58	74.00	-24.42	3	Vertical	180	3.00
2412MHz	Pass	AV	4.82396G	37.85	54.00	-16.15	3	Horizontal	3	1.50
2412MHz	Pass	PK	4.82416G	47.86	74.00	-26.14	3	Horizontal	3	1.50
2437MHz	Pass	AV	2.389G	45.89	54.00	-8.11	3	Horizontal	323	2.23
2437MHz	Pass	AV	2.4362G	112.86	Inf	-Inf	3	Horizontal	323	2.23
2437MHz	Pass	AV	2.4835G	46.47	54.00	-7.53	3	Horizontal	323	2.23
2437MHz	Pass	PK	2.3826G	57.87	74.00	-16.13	3	Horizontal	323	2.23
2437MHz	Pass	PK	2.4362G	115.26	Inf	-Inf	3	Horizontal	323	2.23
2437MHz	Pass	PK	2.4922G	58.94	74.00	-15.06	3	Horizontal	323	2.23
2437MHz	Pass	AV	4.87398G	40.67	54.00	-13.33	3	Vertical	180	1.63
2437MHz	Pass	AV	7.3117G	48.20	54.00	-5.80	3	Vertical	195	1.64
2437MHz	Pass	PK	4.87406G	49.19	74.00	-24.81	3	Vertical	180	1.63
2437MHz	Pass	PK	7.31194G	56.10	74.00	-17.90	3	Vertical	195	1.64
2437MHz	Pass	AV	4.87398G	41.05	54.00	-12.95	3	Horizontal	12	1.22
2437MHz	Pass	AV	7.31174G	52.53	54.00	-1.47	3	Horizontal	54	3.00
2437MHz	Pass	PK	4.87394G	49.13	74.00	-24.87	3	Horizontal	12	1.22
2437MHz	Pass	PK	7.31136G	59.13	74.00	-14.87	3	Horizontal	54	3.00
2462MHz	Pass	AV	2.4628G	112.72	Inf	-Inf	3	Horizontal	301	1.20
2462MHz	Pass	AV	2.4862G	52.65	54.00	-1.35	3	Horizontal	301	1.20
2462MHz	Pass	PK	2.4628G	115.19	Inf	-Inf	3	Horizontal	301	1.20
2462MHz	Pass	PK	2.4862G	61.47	74.00	-12.53	3	Horizontal	301	1.20
2462MHz	Pass	AV	4.924G	43.02	54.00	-10.98	3	Vertical	162	2.62
2462MHz	Pass	AV	7.38516G	48.78	54.00	-5.22	3	Vertical	227	2.62
2462MHz	Pass	PK	4.92406G	50.35	74.00	-23.65	3	Vertical	162	2.62
2462MHz	Pass	PK	7.3851G	56.42	74.00	-17.58	3	Vertical	227	2.62
2462MHz	Pass	AV	4.924G	41.53	54.00	-12.47	3	Horizontal	5	1.50
2462MHz	Pass	AV	7.38516G	51.90	54.00	-2.10	3	Horizontal	72	1.84
2462MHz	Pass	PK	4.92394G	49.58	74.00	-24.42	3	Horizontal	5	1.50
2462MHz	Pass	PK	7.38582G	58.09	74.00	-15.91	3	Horizontal	72	1.84
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	51.56	54.00	-2.44	3	Horizontal	60	1.36
2412MHz	Pass	AV	2.41G	106.57	Inf	-Inf	3	Horizontal	60	1.36
2412MHz	Pass	PK	2.39G	73.59	74.00	-0.41	3	Horizontal	60	1.36
2412MHz	Pass	PK	2.4098G	115.42	Inf	-Inf	3	Horizontal	60	1.36
2412MHz	Pass	AV	4.83072G	34.23	54.00	-19.77	3	Vertical	65	1.50
2412MHz	Pass	PK	4.81464G	46.68	74.00	-27.32	3	Vertical	65	1.50
2412MHz	Pass	AV	4.83066G	34.17	54.00	-19.83	3	Horizontal	142	1.50
2412MHz	Pass	PK	4.81032G	46.59	74.00	-27.41	3	Horizontal	142	1.50
2417MHz	Pass	AV	2.3884G	53.68	54.00	-0.32	3	Horizontal	306	1.65
2417MHz	Pass	AV	2.418G	107.05	Inf	-Inf	3	Horizontal	306	1.65
2417MHz	Pass	PK	2.3886G	71.47	74.00	-2.53	3	Horizontal	306	1.65
2417MHz	Pass	PK	2.4184G	115.88	Inf	-Inf	3	Horizontal	306	1.65
2437MHz	Pass	AV	2.3898G	52.60	54.00	-1.40	3	Horizontal	322	1.55
2437MHz	Pass	AV	2.4362G	110.43	Inf	-Inf	3	Horizontal	322	1.55
2437MHz	Pass	AV	2.4854G	53.12	54.00	-0.88	3	Horizontal	322	1.55
2437MHz	Pass	PK	2.3898G	68.85	74.00	-5.15	3	Horizontal	322	1.55
2437MHz	Pass	PK	2.4358G	119.40	Inf	-Inf	3	Horizontal	322	1.55
2437MHz	Pass	PK	2.4846G	71.54	74.00	-2.46	3	Horizontal	322	1.55
2437MHz	Pass	AV	4.8767G	35.60	54.00	-18.40	3	Vertical	353	1.37
2437MHz	Pass	AV	7.3083G	49.61	54.00	-4.39	3	Vertical	331	1.14
2437MHz	Pass	PK	4.87598G	47.79	74.00	-26.21	3	Vertical	353	1.37
2437MHz	Pass	PK	7.30884G	62.34	74.00	-11.66	3	Vertical	331	1.14
2437MHz	Pass	AV	4.87466G	35.49	54.00	-18.51	3	Horizontal	18	1.10
2437MHz	Pass	AV	7.3104G	51.65	54.00	-2.35	3	Horizontal	57	2.92
2437MHz	Pass	PK	4.87418G	48.08	74.00	-25.92	3	Horizontal	18	1.10

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2437MHz	Pass	PK	7.31538G	65.77	74.00	-8.23	3	Horizontal	57	2.92
2457MHz	Pass	AV	2.4578G	107.71	Inf	-Inf	3	Horizontal	308	2.20
2457MHz	Pass	AV	2.4835G	53.26	54.00	-0.74	3	Horizontal	308	2.20
2457MHz	Pass	PK	2.4578G	117.31	Inf	-Inf	3	Horizontal	308	2.20
2457MHz	Pass	PK	2.4836G	72.04	74.00	-1.96	3	Horizontal	308	2.20
2462MHz	Pass	AV	2.4612G	105.95	Inf	-Inf	3	Horizontal	326	1.36
2462MHz	Pass	AV	2.4856G	51.98	54.00	-2.02	3	Horizontal	326	1.36
2462MHz	Pass	PK	2.4608G	114.47	Inf	-Inf	3	Horizontal	326	1.36
2462MHz	Pass	PK	2.487G	73.39	74.00	-0.61	3	Horizontal	326	1.36
2462MHz	Pass	AV	4.92688G	35.28	54.00	-18.72	3	Vertical	360	2.04
2462MHz	Pass	AV	7.3887G	42.48	54.00	-11.52	3	Vertical	227	1.28
2462MHz	Pass	PK	4.92322G	47.56	74.00	-26.44	3	Vertical	360	2.04
2462MHz	Pass	PK	7.38852G	56.12	74.00	-17.88	3	Vertical	227	1.28
2462MHz	Pass	AV	4.9249G	35.30	54.00	-18.70	3	Horizontal	14	1.50
2462MHz	Pass	AV	7.38864G	43.46	54.00	-10.54	3	Horizontal	51	1.61
2462MHz	Pass	PK	4.92118G	47.41	74.00	-26.59	3	Horizontal	14	1.50
2462MHz	Pass	PK	7.38858G	58.19	74.00	-15.81	3	Horizontal	51	1.61
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3892G	53.12	54.00	-0.88	3	Horizontal	59	1.36
2412MHz	Pass	AV	2.4132G	105.79	Inf	-Inf	3	Horizontal	59	1.36
2412MHz	Pass	PK	2.3884G	69.32	74.00	-4.68	3	Horizontal	59	1.36
2412MHz	Pass	PK	2.411G	117.91	Inf	-Inf	3	Horizontal	59	1.36
2412MHz	Pass	AV	4.83186G	35.53	54.00	-18.47	3	Vertical	96	1.50
2412MHz	Pass	PK	4.8213G	45.64	74.00	-28.36	3	Vertical	96	1.50
2412MHz	Pass	AV	4.83342G	35.54	54.00	-18.46	3	Horizontal	184	1.62
2412MHz	Pass	PK	4.82892G	45.65	74.00	-28.35	3	Horizontal	184	1.62
2417MHz	Pass	AV	2.3884G	52.92	54.00	-1.08	3	Horizontal	311	1.64
2417MHz	Pass	AV	2.4162G	105.23	Inf	-Inf	3	Horizontal	311	1.64
2417MHz	Pass	PK	2.3886G	69.99	74.00	-4.01	3	Horizontal	311	1.64
2417MHz	Pass	PK	2.416G	116.38	Inf	-Inf	3	Horizontal	311	1.64
2437MHz	Pass	AV	2.389G	53.42	54.00	-0.58	3	Horizontal	322	1.23
2437MHz	Pass	AV	2.4362G	108.70	Inf	-Inf	3	Horizontal	322	1.23
2437MHz	Pass	AV	2.4835G	53.81	54.00	-0.19	3	Horizontal	322	1.23
2437MHz	Pass	PK	2.389G	63.91	74.00	-10.09	3	Horizontal	322	1.23
2437MHz	Pass	PK	2.439G	118.24	Inf	-Inf	3	Horizontal	322	1.23
2437MHz	Pass	PK	2.4866G	65.82	74.00	-8.18	3	Horizontal	322	1.23
2437MHz	Pass	AV	4.87286G	36.24	54.00	-17.76	3	Vertical	360	1.18
2437MHz	Pass	AV	7.30962G	48.46	54.00	-5.54	3	Vertical	329	1.15
2437MHz	Pass	PK	4.8752G	47.53	74.00	-26.47	3	Vertical	360	1.18
2437MHz	Pass	PK	7.30962G	59.99	74.00	-14.01	3	Vertical	329	1.15
2437MHz	Pass	AV	4.88816G	36.44	54.00	-17.56	3	Horizontal	5	1.00
2437MHz	Pass	AV	7.30812G	50.40	54.00	-3.60	3	Horizontal	55	3.00
2437MHz	Pass	PK	4.8641G	47.29	74.00	-26.71	3	Horizontal	5	1.00
2437MHz	Pass	PK	7.31292G	62.26	74.00	-11.74	3	Horizontal	55	3.00
2457MHz	Pass	AV	2.4554G	106.55	Inf	-Inf	3	Horizontal	302	1.33
2457MHz	Pass	AV	2.4835G	53.85	54.00	-0.15	3	Horizontal	302	1.33
2457MHz	Pass	PK	2.4556G	117.59	Inf	-Inf	3	Horizontal	302	1.33
2457MHz	Pass	PK	2.4856G	66.34	74.00	-7.66	3	Horizontal	302	1.33
2462MHz	Pass	AV	2.4628G	104.86	Inf	-Inf	3	Horizontal	325	1.35
2462MHz	Pass	AV	2.4835G	53.48	54.00	-0.52	3	Horizontal	325	1.35
2462MHz	Pass	PK	2.463G	115.68	Inf	-Inf	3	Horizontal	325	1.35
2462MHz	Pass	PK	2.4836G	67.27	74.00	-6.73	3	Horizontal	325	1.35
2462MHz	Pass	AV	4.92308G	36.66	54.00	-17.34	3	Vertical	355	1.50
2462MHz	Pass	AV	7.38072G	42.34	54.00	-11.66	3	Vertical	234	2.13
2462MHz	Pass	PK	4.92516G	47.53	74.00	-26.47	3	Vertical	355	1.50
2462MHz	Pass	PK	7.37876G	54.07	74.00	-19.93	3	Vertical	234	2.13
2462MHz	Pass	AV	4.92388G	36.56	54.00	-17.44	3	Horizontal	15	1.50
2462MHz	Pass	AV	7.38124G	43.32	54.00	-10.68	3	Horizontal	50	1.53
2462MHz	Pass	PK	4.92688G	47.68	74.00	-26.32	3	Horizontal	15	1.50
2462MHz	Pass	PK	7.38916G	54.52	74.00	-19.48	3	Horizontal	50	1.53
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	53.55	54.00	-0.45	3	Horizontal	316	1.21

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2422MHz	Pass	AV	2.424G	101.64	Inf	-Inf	3	Horizontal	316	1.21
2422MHz	Pass	AV	2.484G	49.90	54.00	-4.10	3	Horizontal	316	1.21
2422MHz	Pass	PK	2.3892G	70.46	74.00	-3.54	3	Horizontal	316	1.21
2422MHz	Pass	PK	2.4188G	112.21	Inf	-Inf	3	Horizontal	316	1.21
2422MHz	Pass	PK	2.4848G	64.30	74.00	-9.70	3	Horizontal	316	1.21
2422MHz	Pass	AV	4.85624G	35.39	54.00	-18.61	3	Vertical	67	1.50
2422MHz	Pass	AV	7.26648G	41.87	54.00	-12.13	3	Vertical	216	1.30
2422MHz	Pass	PK	4.84792G	48.06	74.00	-25.94	3	Vertical	67	1.50
2422MHz	Pass	PK	7.25864G	53.60	74.00	-20.40	3	Vertical	216	1.30
2422MHz	Pass	AV	4.85696G	35.60	54.00	-18.40	3	Horizontal	241	1.06
2422MHz	Pass	AV	7.2544G	44.50	54.00	-9.50	3	Horizontal	57	2.76
2422MHz	Pass	PK	4.8304G	46.67	74.00	-27.33	3	Horizontal	241	1.06
2422MHz	Pass	PK	7.25784G	57.38	74.00	-16.62	3	Horizontal	57	2.76
2427MHz	Pass	AV	2.3898G	53.57	54.00	-0.43	3	Horizontal	319	1.22
2427MHz	Pass	AV	2.4278G	101.71	Inf	-Inf	3	Horizontal	319	1.22
2427MHz	Pass	AV	2.4835G	52.74	54.00	-1.26	3	Horizontal	319	1.22
2427MHz	Pass	PK	2.3874G	71.68	74.00	-2.32	3	Horizontal	319	1.22
2427MHz	Pass	PK	2.4254G	112.58	Inf	-Inf	3	Horizontal	319	1.22
2427MHz	Pass	PK	2.4835G	71.38	74.00	-2.62	3	Horizontal	319	1.22
2437MHz	Pass	AV	2.3886G	52.07	54.00	-1.93	3	Horizontal	316	1.44
2437MHz	Pass	AV	2.4378G	102.12	Inf	-Inf	3	Horizontal	316	1.44
2437MHz	Pass	AV	2.4835G	53.76	54.00	-0.24	3	Horizontal	316	1.44
2437MHz	Pass	PK	2.3882G	70.12	74.00	-3.88	3	Horizontal	316	1.44
2437MHz	Pass	PK	2.4402G	112.92	Inf	-Inf	3	Horizontal	316	1.44
2437MHz	Pass	PK	2.4835G	71.57	74.00	-2.43	3	Horizontal	316	1.44
2437MHz	Pass	AV	4.89072G	35.69	54.00	-18.31	3	Vertical	1	1.18
2437MHz	Pass	AV	7.29164G	41.34	54.00	-12.66	3	Vertical	221	2.19
2437MHz	Pass	PK	4.8584G	47.24	74.00	-26.76	3	Vertical	1	1.18
2437MHz	Pass	PK	7.30276G	52.90	74.00	-21.10	3	Vertical	221	2.19
2437MHz	Pass	AV	4.86256G	35.62	54.00	-18.38	3	Horizontal	303	1.00
2437MHz	Pass	AV	7.31956G	41.87	54.00	-12.13	3	Horizontal	53	3.00
2437MHz	Pass	PK	4.86272G	46.96	74.00	-27.04	3	Horizontal	303	1.00
2437MHz	Pass	PK	7.30308G	54.41	74.00	-19.59	3	Horizontal	53	3.00
2447MHz	Pass	AV	2.3898G	49.00	54.00	-5.00	3	Horizontal	306	1.34
2447MHz	Pass	AV	2.4478G	102.09	Inf	-Inf	3	Horizontal	306	1.34
2447MHz	Pass	AV	2.4835G	53.28	54.00	-0.72	3	Horizontal	306	1.34
2447MHz	Pass	PK	2.3898G	62.71	74.00	-11.29	3	Horizontal	306	1.34
2447MHz	Pass	PK	2.4478G	112.46	Inf	-Inf	3	Horizontal	306	1.34
2447MHz	Pass	PK	2.4835G	69.55	74.00	-4.45	3	Horizontal	306	1.34
2452MHz	Pass	AV	2.39G	48.16	54.00	-5.84	3	Horizontal	304	1.34
2452MHz	Pass	AV	2.4528G	102.10	Inf	-Inf	3	Horizontal	304	1.34
2452MHz	Pass	AV	2.4835G	53.31	54.00	-0.69	3	Horizontal	304	1.34
2452MHz	Pass	PK	2.3876G	60.08	74.00	-13.92	3	Horizontal	304	1.34
2452MHz	Pass	PK	2.4504G	113.62	Inf	-Inf	3	Horizontal	304	1.34
2452MHz	Pass	PK	2.4835G	69.62	74.00	-4.38	3	Horizontal	304	1.34
2452MHz	Pass	AV	4.88792G	36.14	54.00	-17.86	3	Vertical	357	1.18
2452MHz	Pass	AV	7.35776G	41.21	54.00	-12.79	3	Vertical	216	1.44
2452MHz	Pass	PK	4.90408G	46.91	74.00	-27.09	3	Vertical	357	1.18
2452MHz	Pass	PK	7.35976G	52.89	74.00	-21.11	3	Vertical	216	1.44
2452MHz	Pass	AV	4.9212G	35.93	54.00	-18.07	3	Horizontal	131	1.50
2452MHz	Pass	AV	7.35552G	41.67	54.00	-12.33	3	Horizontal	41	1.53
2452MHz	Pass	PK	4.8864G	47.30	74.00	-26.70	3	Horizontal	131	1.50
2452MHz	Pass	PK	7.3528G	53.28	74.00	-20.72	3	Horizontal	41	1.53

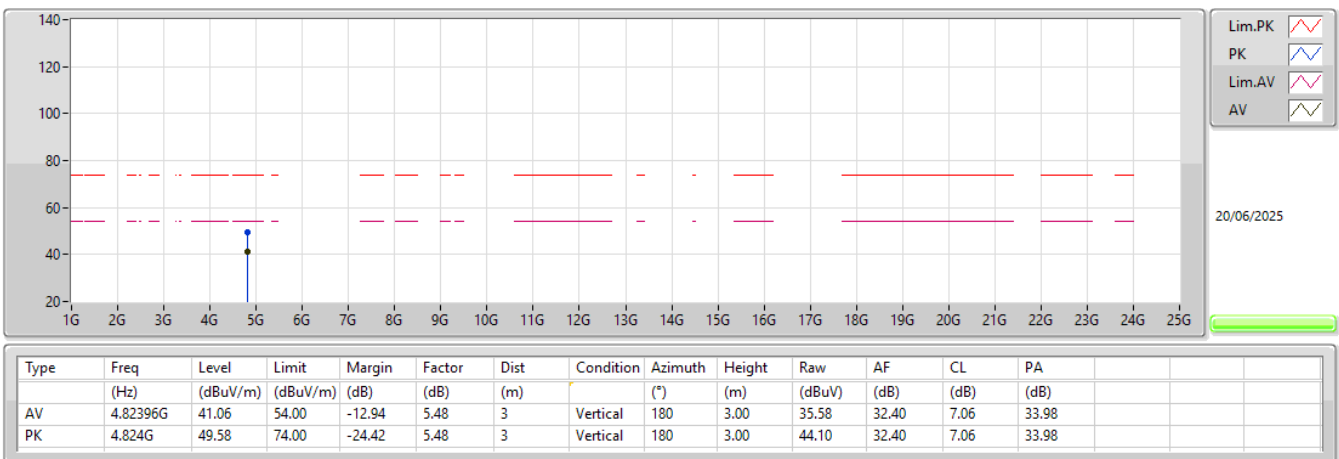
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX



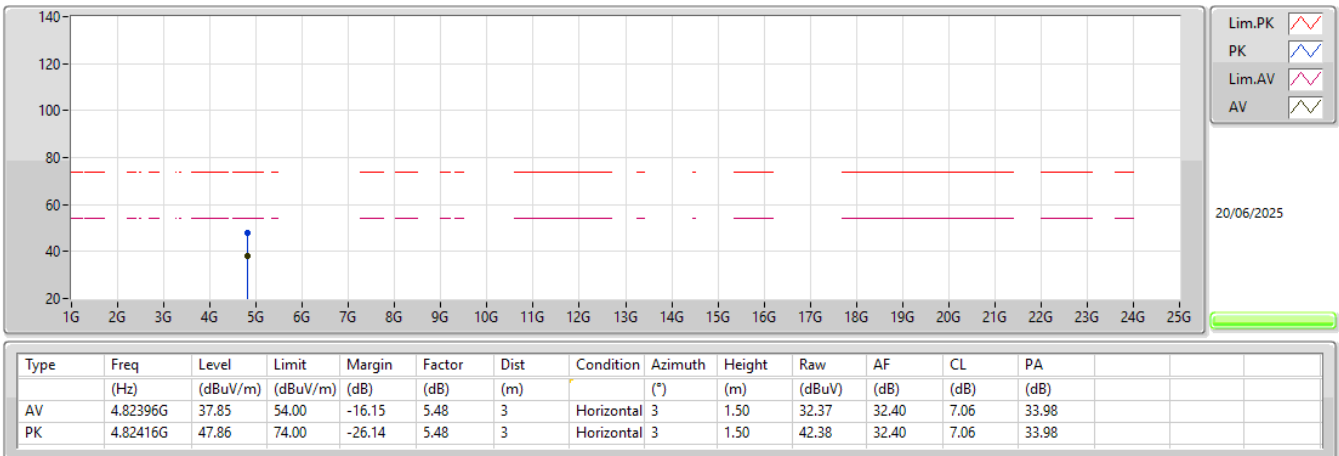
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX



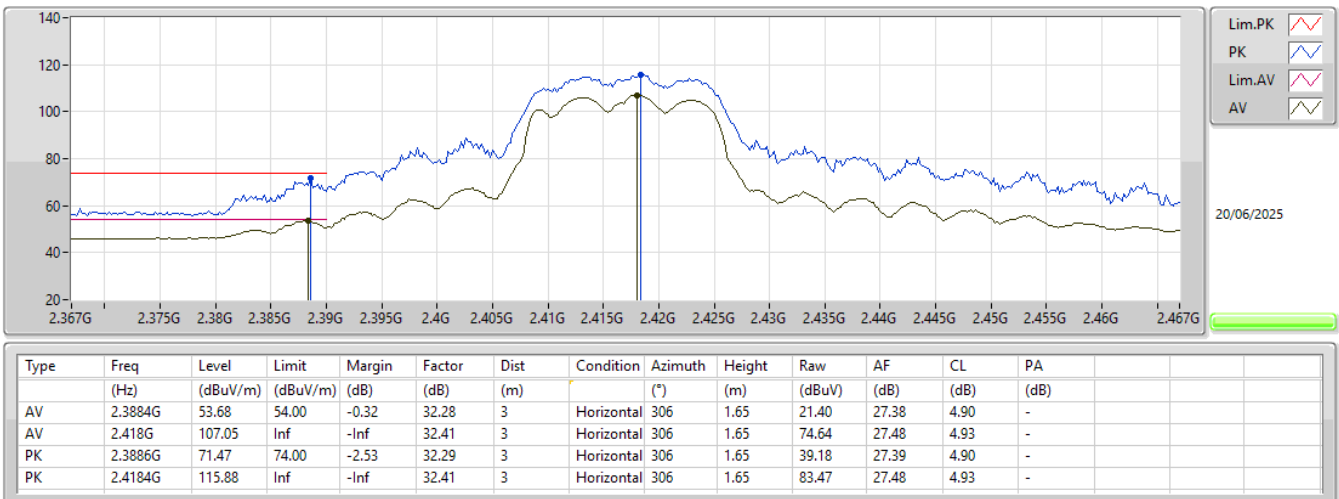
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX



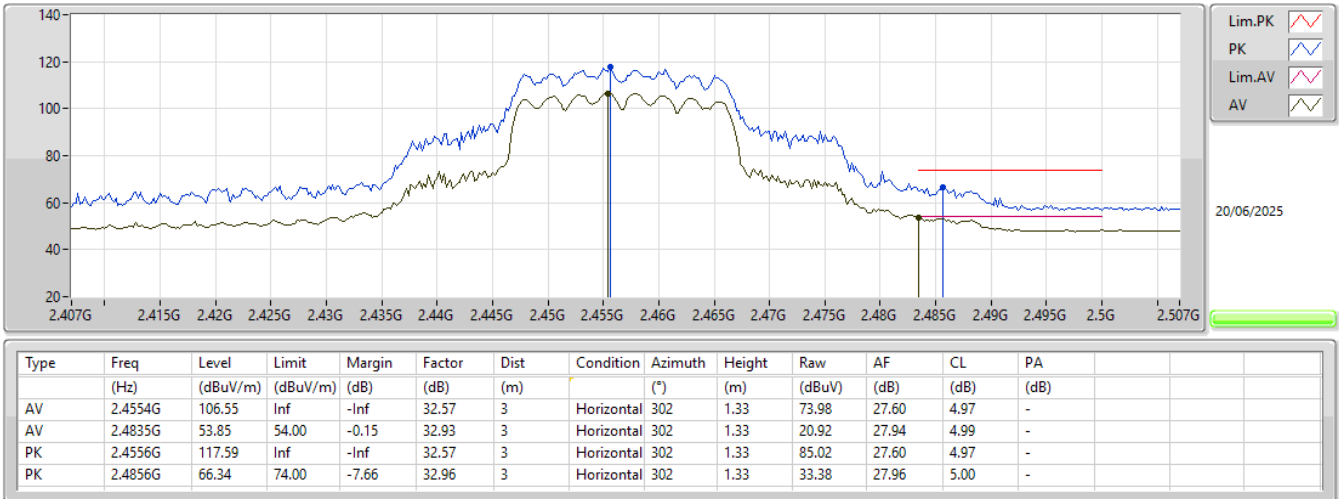
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX



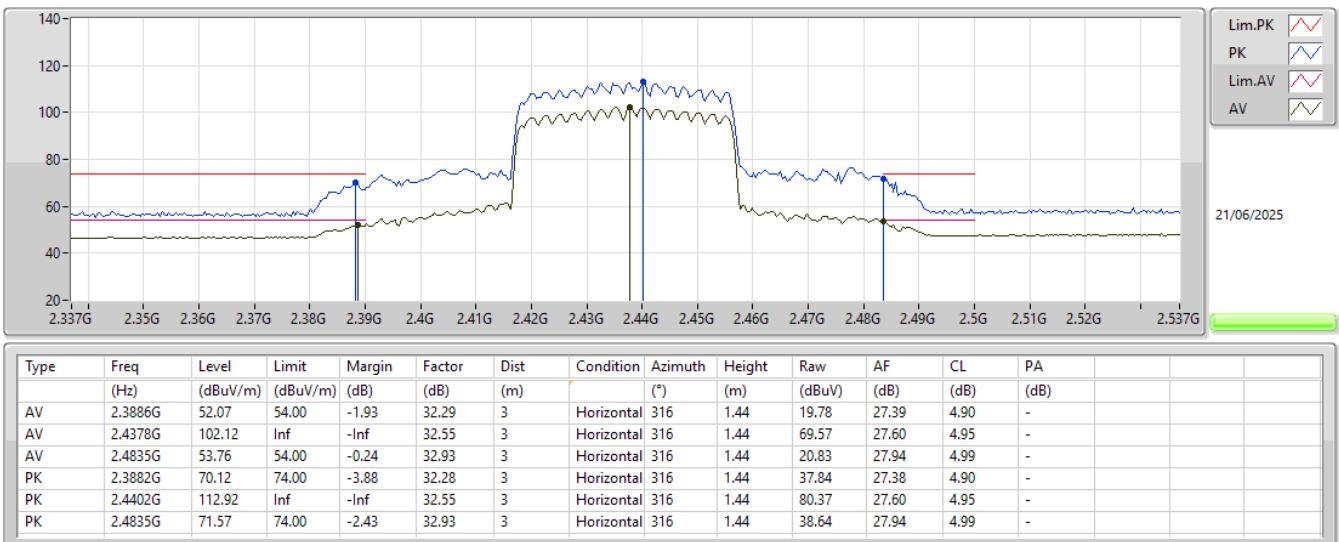
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX



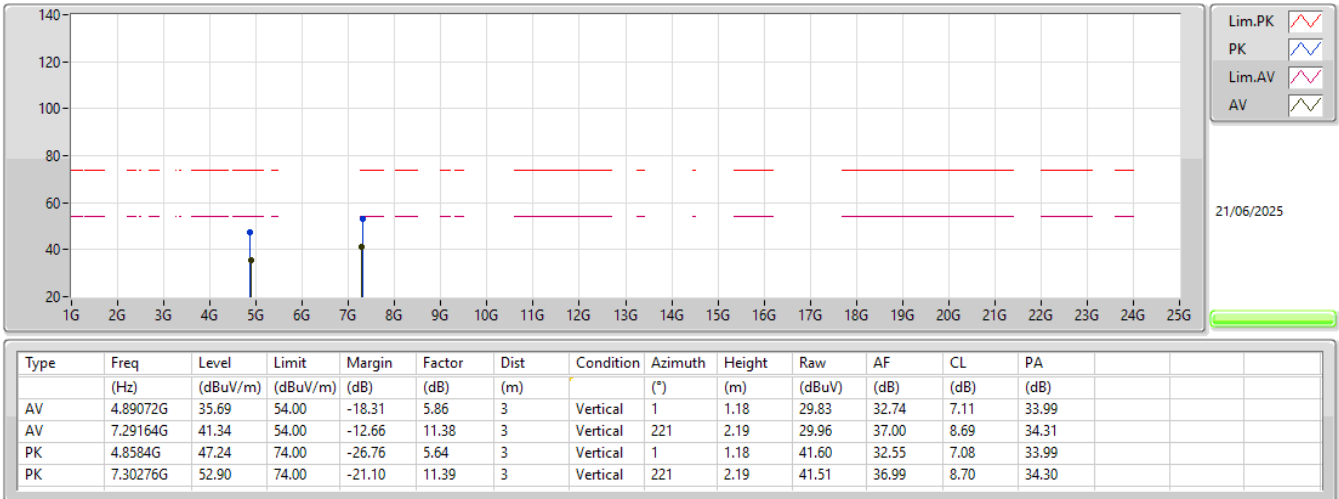
2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX



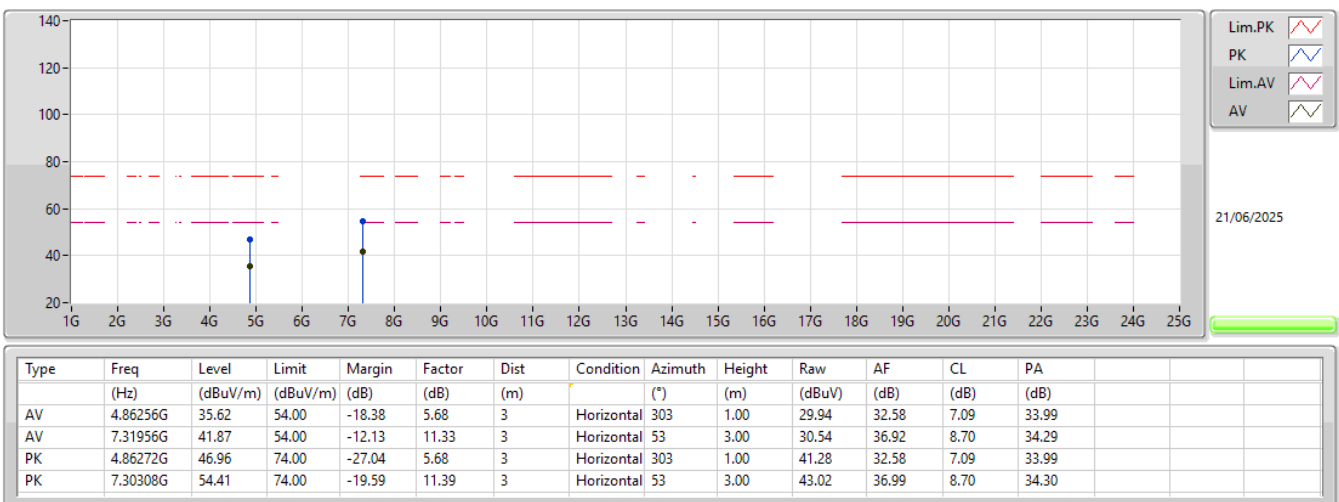
2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

2437MHz_TX



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

2437MHz_TX





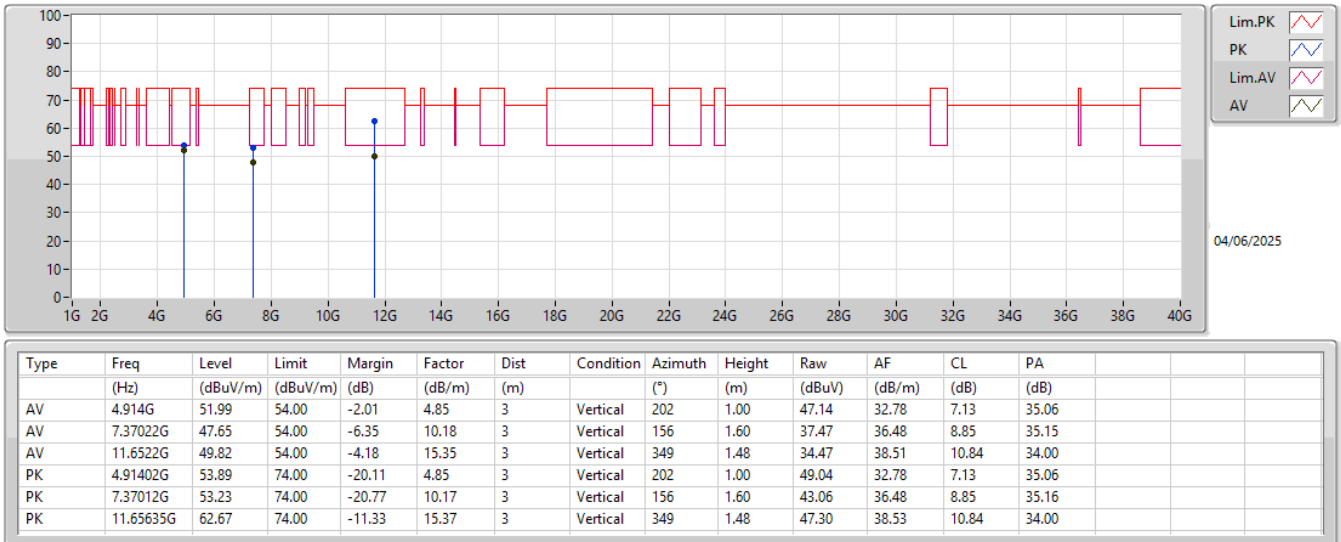
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.914G	51.99	54.00	-2.01	Vertical

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	4.914G	51.99	54.00	-2.01	3	Vertical	202	1.00	-
Mode 1	Pass	AV	7.37022G	47.65	54.00	-6.35	3	Vertical	156	1.60	-
Mode 1	Pass	AV	11.6522G	49.82	54.00	-4.18	3	Vertical	349	1.48	-
Mode 1	Pass	PK	4.91402G	53.89	74.00	-20.11	3	Vertical	202	1.00	-
Mode 1	Pass	PK	7.37012G	53.23	74.00	-20.77	3	Vertical	156	1.60	-
Mode 1	Pass	PK	11.65635G	62.67	74.00	-11.33	3	Vertical	349	1.48	-
Mode 1	Pass	AV	4.91402G	47.00	54.00	-7.00	3	Horizontal	224	1.86	-
Mode 1	Pass	AV	7.37178G	51.17	54.00	-2.83	3	Horizontal	307	1.16	-
Mode 1	Pass	AV	11.64985G	47.61	54.00	-6.39	3	Horizontal	33	1.57	-
Mode 1	Pass	PK	4.91406G	50.19	74.00	-23.81	3	Horizontal	224	1.86	-
Mode 1	Pass	PK	7.3725G	55.63	74.00	-18.37	3	Horizontal	307	1.16	-
Mode 1	Pass	PK	11.64735G	61.04	74.00	-12.96	3	Horizontal	33	1.57	-

Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1

