FCC Radio Test Report

FCC ID	:	**TLZ-XB644NF**
Equipment	:	**IEEE 802.11 1X1 a/b/g/n/ac/ax Wireless LAN + Bluetooth 5.4 + 802.15.4 Tri-radio M.2 2230 Module**
Brand Name	:	**AzureWave**
Model Name	:	**AW-XB644NF**
Applicant	:	**AzureWave Technologies, Inc. 8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231**
Manufacturer	:	**AzureWave Technologies, Inc. 8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Aug. 01, 2024, and testing was started from Aug. 13, 2024 and completed on Aug. 27, 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 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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PHOTOGRAPHS OF EUT V01

History of this test report

Report No.	Version	Description	Issued Date
FR471513AC	01	Initial issue of report	Feb. 13, 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:
None

Reviewed by: Ben Tseng

Report Producer: Julie Tseng

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]

Full RU

Band	Mode	BWch	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11ax HEW20	20	1TX
2.4-2.4835GHz	802.11ax HEW40	40	1TX

Partial RU

Band	Mode	BWch	Nant
2.4-2.4835GHz	802.11ax HEW20	20	1TX
2.4-2.4835GHz	802.11ax HEW40	40	1TX

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	TE Connectivity	2195501-2	PCB	I-PEX	2.4G+5G+BT+Thread
2	TE Connectivity	2195505-2	PCB	I-PEX	2.4G+5G+BT+Thread
3	Inpaq	WA-P-LB-02-587	PCB	I-PEX	2.4G+5G+BT+Thread
4	Inpaq	WA-P-LB-03-129	PCB	I-PEX	2.4G+5G+BT+Thread
5	Inpaq	WA-P-LB-03-130	PCB	I-PEX	2.4G+5G+BT+Thread
6	Inpaq	WA-F-LB-03-110	PCB	I-PEX	2.4G+5G+BT+Thread
7	Inpaq	WA-F-LB-02-187	PCB	I-PEX	2.4G+5G+BT+Thread
8	Inpaq	WA-F-LA-01-015	PCB	I-PEX	2.4G+BT+Thread

Ant.	Gain (dBi)	
	2.4G	5G
1	0.47	1.88
2	0.77	0.96
3	4.43	7.52
4	6.51	3.2
5	4.91	5.84
6	-0.27	2.74
7	0.07	2.39
8	5.66	-

Note 1: The EUT has eight sets of antennas.
Note 2: EUT can match with above antennas for using. The highest gain in each set of antenna was used to perform the worst configuration and result of that was recorded as the final test result.

For 2.4GHz function:

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

Ant. 1 ~ Ant. 8 could transmit/receive.

For 5GHz function:

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

Ant. 1 ~ Ant. 7 could transmit/receive.

For BT function:

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

Ant. 1 ~ Ant. 8 could transmit/receive.

For Thread function:

For IEEE 802.15.4 Thread mode (1TX/1RX)

Ant. 1 ~ Ant. 8 could transmit/receive.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From DC Power supply			
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 Mode Test Duty Cycle

Full RU

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_1TX	0.999	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_1TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20_Nss1,(MCS0)_1TX	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss1,(MCS0)_1TX	0.974	0.11	551.563u	3k

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

Partial RU

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11ax HEW20_Nss1,(MCS0),RU 26_1TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20_Nss1,(MCS0),RU 52_1TX	0.977	0.1	1.368m	1k
802.11ax HEW20_Nss1,(MCS0),RU 106_1TX	0.966	0.15	1.368m	1k
802.11ax HEW40_Nss1,(MCS0),RU 242_1TX	0.93	0.32	1.359m	1k

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 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	Wayne Chiu	21.6~22.2°C / 55~58%	22/Aug/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	Vivi Jiang	23.6~23.9°C / 52~55%	18/Aug/2024~21/Aug/2024
Radiated (Below 1G)	03CH24-HY	Andy Wang	23.2~24.6°C / 55~57%	14/Aug/2024
Radiated (Above 1G_FRU)	03CH25-HY	Simon Cheng	22.2~24.6°C / 53~57%	13/Aug/2024~18/Aug/2024
Radiated (Above 1G_PRU)	03CH26-HY	Simon Cheng	23~25°C / 51~56%	26/Aug/2024~27/Aug/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	Dos V6.1

Full RU

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	17.5
2417MHz	17.5
2437MHz	18
2457MHz	19.5
2462MHz	19
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	17.5
2417MHz	20
2437MHz	21.5
2457MHz	18.5
2462MHz	17
802.11ax HEW20_Nss1,(MCS0)_1TX	-
2412MHz	15
2417MHz	19
2437MHz	20.5
2457MHz	17
2462MHz	16
802.11ax HEW40_Nss1,(MCS0)_1TX	-
2422MHz	14.5
2437MHz	14.5
2447MHz	13.5
2452MHz	13.5

Partial RU

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-
2412MHz	5
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-
2412MHz	6.5
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-
2412MHz	9
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-
2462MHz	6
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	-
2462MHz	8
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-
2462MHz	10.5
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX	-
2422MHz	9
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX	-
2452MHz	9

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	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	Fixture mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT			V

2.3 Support Equipment

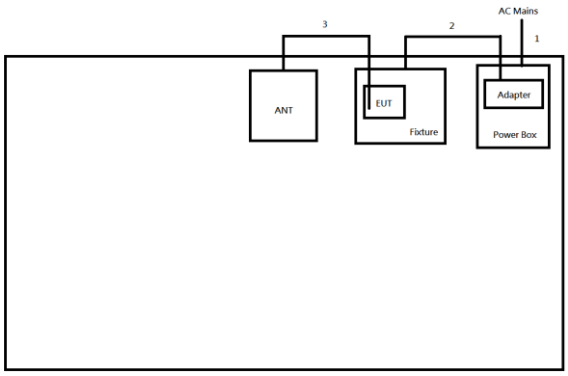
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Fixture	Azurewave	AW-NB136NF	-	Provided by Customer
2	Adapter	Apple	A1385	-	-
3	USB to Type-B cable	Sporton	Sporton	-	-

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Fixture	Azurewave	AW-NB136NF	-	Provided by Customer

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Fixture	Azurewave	AW-NB136NF	-	Provided by Customer
2	USB to Type-B cable	Sporton	Sporton	-	-
3	Adapter	Apple	A1385	-	-

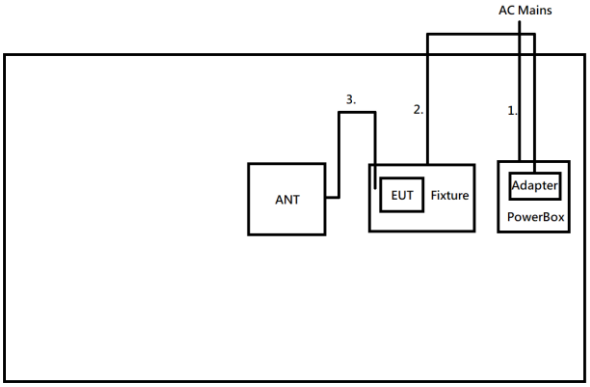
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	USB to Type B cable	No	1.5	-
3	ANT cable	No	0.7	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	USB to Type B cable	No	1.5	-
3	ANT cable	No	0.7	-

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

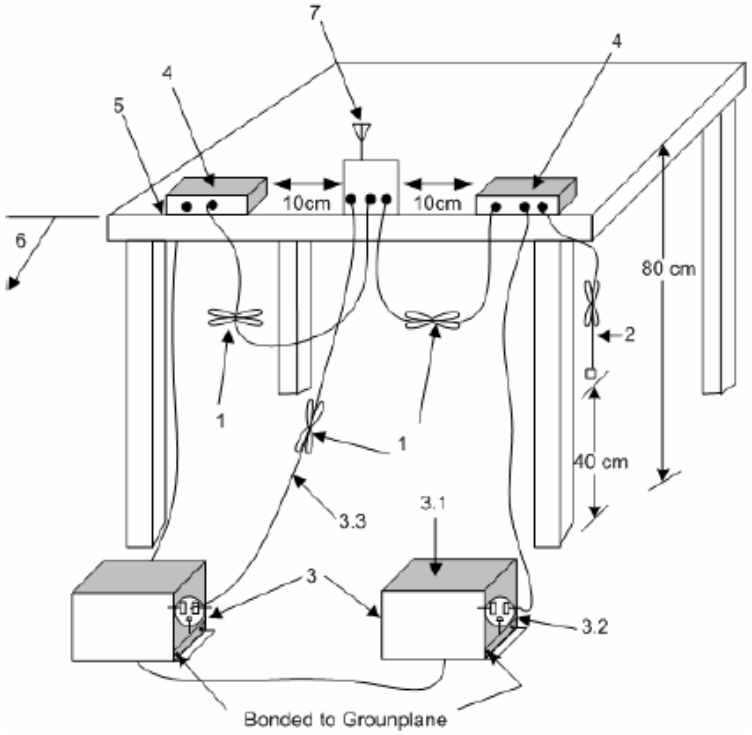
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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 ≥ 500 kHz.

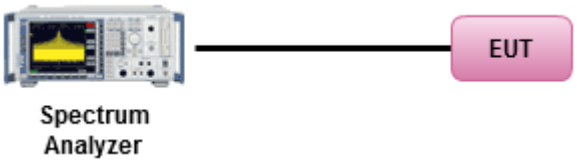
3.2.2 Measuring Instruments

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

Emission Bandwidth


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): $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX}])$ dBm	
	▪ Smart antenna system (SAS)	
		- Single beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm
		- Overlap beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm
		- Aggregate power on all beams: $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX} + 8])$ 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


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

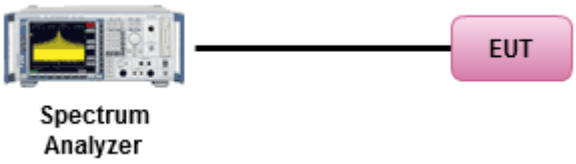
3.4.2 Measuring Instruments

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

Power Spectral Density


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.	

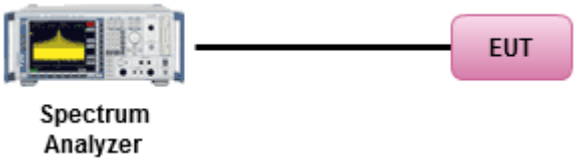
3.5.2 Measuring Instruments

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

Emissions in Non-restricted Frequency Bands


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.

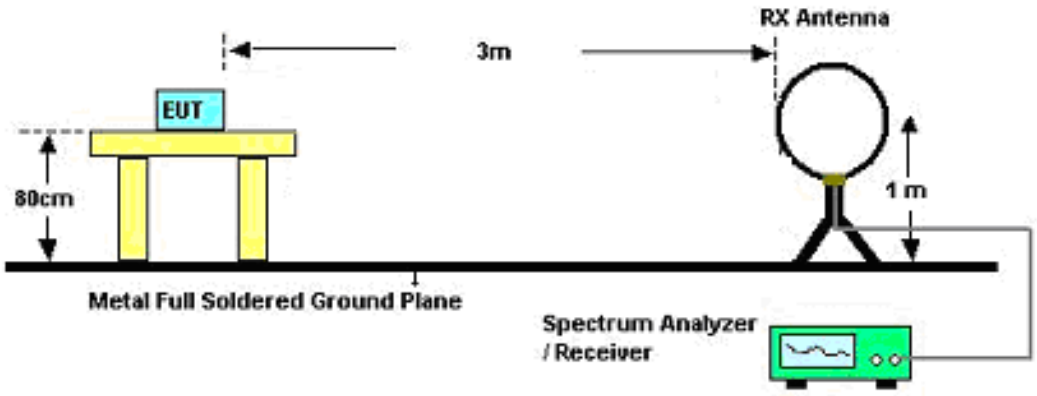
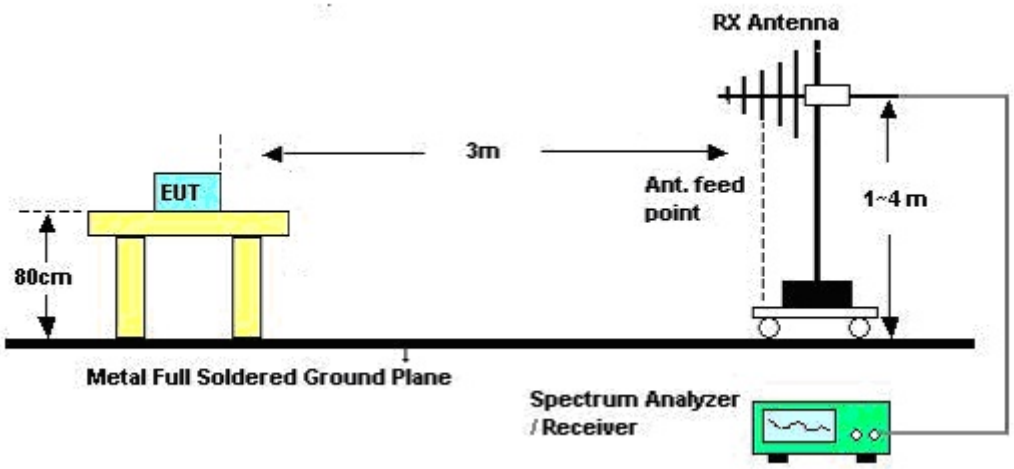
3.6.3 Test Procedures

Test Method	
▪	The average emission levels shall be measured in [duty cycle ≥ 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 ≥ 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.

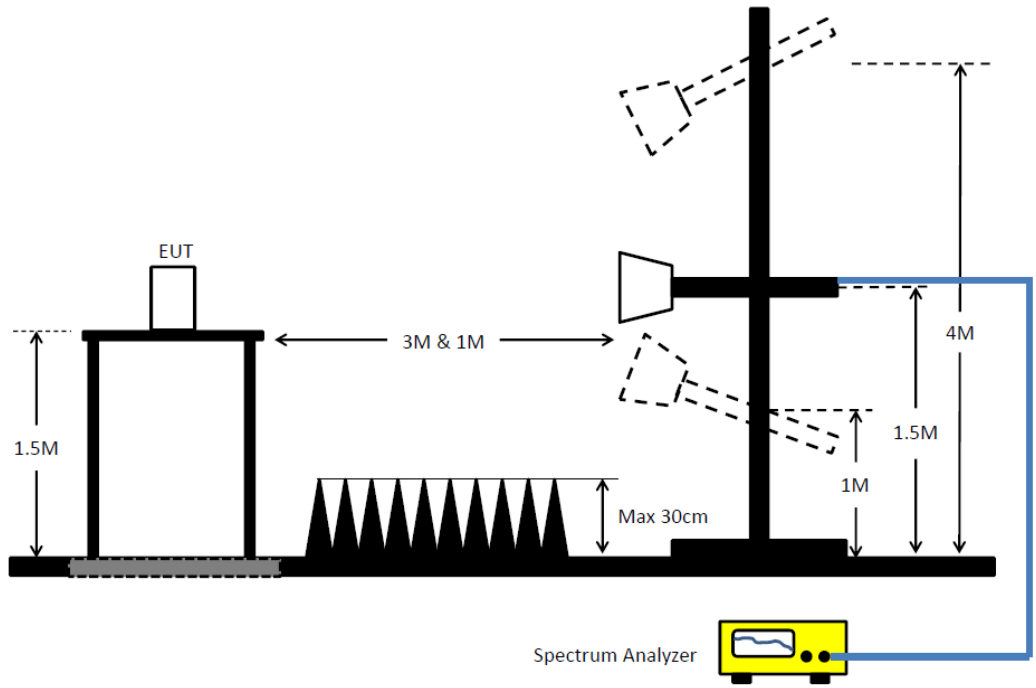
3.6.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.6.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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
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	18/Oct/2023	17/Oct/2024
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	30/Oct/2023	29/Oct/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
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	V5.11.18	N/A	N/A	N/A	N/A

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	30MHz~1GHz 3m	16/Aug/2024	15/Aug/2025
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	17/Nov/2023	16/Nov/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 6dB Attenuator	TESEQ / Woken	CBL 6112D / 00800N1D01N-06	35376 / 02	30MHz~1GHz	14/Apr/2024	13/Apr/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB002	9kHz~1GHz	31/Jul/2024	30/Jul/2025
Pre-Amplifier	Aglient	8447D	2944A06292	30MHz~1GHz	18/Apr/2024	17/Apr/2025
SENSE-15247-DTS	Sporton	V5.11.20	NA	NA	NA	NA

Instrument for Radiated Test (03CH25-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	08/Aug/2024	07/Aug/2025
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	17/Nov/2023	16/Nov/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	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	CB007	1GHz~40GHz	23/Apr/2024	22/Apr/2025
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz ~18GHz	24/May/2024	23/May/2025
Microwave System Premplifier	KEYSIGHT	83017A	MY53270197	1 GHz ~ 26.5 GHz	26/Jan/2024	25/Jan/2025
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	15/Apr/2024	14/Apr/2025
SENSE-15247_DTS	Sporton	V5.11.19	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
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101411	10Hz~44GHz	06/Oct/2023	05/Oct/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02877	1GHz~18GHz	11/Jul/2024	10/Jul/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB009	1GHz~40GHz	18/Oct/2023	17/Oct/2024
Preamplifier	SGH	PRAMP 118-H	20230515-4	1GHz ~18GHz	24/May/2024	23/May/2025
SENSE-15247-DTS	Sporton	V5.11.19	NA	NA	NA	NA

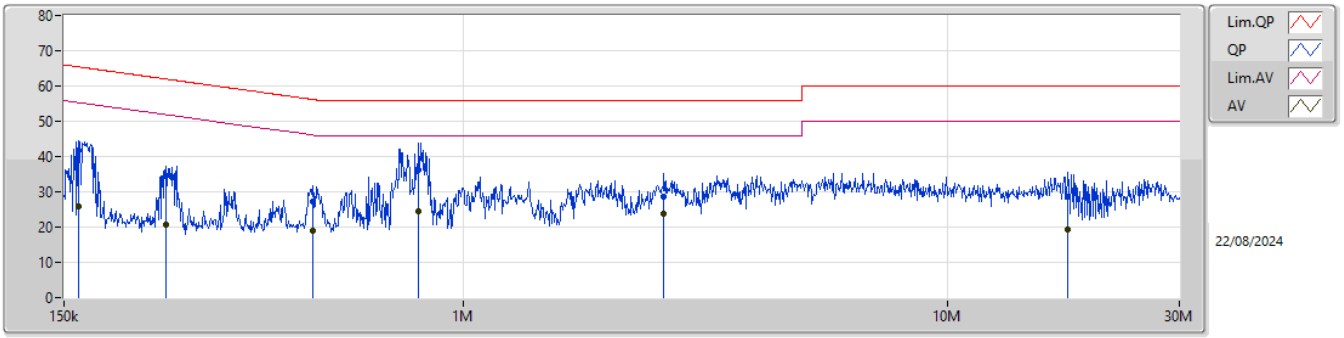
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	811.805k	30.39	46.00	-15.61	Neutral

Result

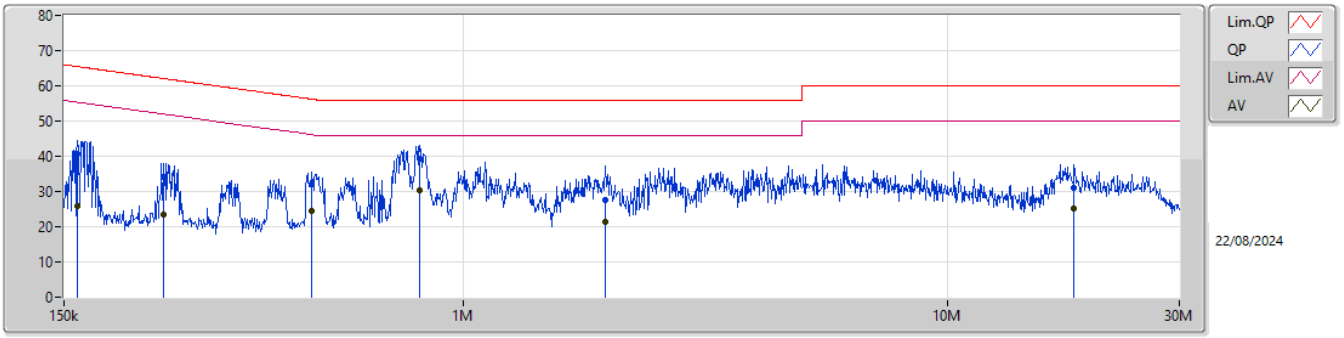
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	161.175k	41.88	65.41	-23.53	Line	-
Mode 1	Pass	AV	161.175k	25.98	55.41	-29.43	Line	-
Mode 1	Pass	QP	244.12k	34.51	61.95	-27.44	Line	-
Mode 1	Pass	AV	244.12k	20.64	51.95	-31.31	Line	-
Mode 1	Pass	QP	488.957k	27.19	56.19	-29.00	Line	-
Mode 1	Pass	AV	488.957k	18.96	46.19	-27.23	Line	-
Mode 1	Pass	QP	808.571k	36.19	56.00	-19.81	Line	-
Mode 1	Pass	AV	808.571k	24.53	46.00	-21.47	Line	-
Mode 1	Pass	QP	2.594M	28.68	56.00	-27.32	Line	-
Mode 1	Pass	AV	2.594M	23.63	46.00	-22.37	Line	-
Mode 1	Pass	QP	17.696M	28.53	60.00	-31.47	Line	-
Mode 1	Pass	AV	17.696M	19.41	50.00	-30.59	Line	-
Mode 1	Pass	QP	159.893k	40.62	65.46	-24.84	Neutral	-
Mode 1	Pass	AV	159.893k	25.83	55.46	-29.63	Neutral	-
Mode 1	Pass	QP	241.214k	34.01	62.06	-28.05	Neutral	-
Mode 1	Pass	AV	241.214k	23.28	52.06	-28.78	Neutral	-
Mode 1	Pass	QP	487.008k	32.13	56.21	-24.08	Neutral	-
Mode 1	Pass	AV	487.008k	24.58	46.21	-21.63	Neutral	-
Mode 1	Pass	QP	811.805k	39.34	56.00	-16.66	Neutral	-
Mode 1	Pass	AV	811.805k	30.39	46.00	-15.61	Neutral	-
Mode 1	Pass	QP	1.962M	27.70	56.00	-28.30	Neutral	-
Mode 1	Pass	AV	1.962M	21.33	46.00	-24.67	Neutral	-
Mode 1	Pass	QP	18.198M	31.03	60.00	-28.97	Neutral	-
Mode 1	Pass	AV	18.198M	25.10	50.00	-24.90	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	161.175k	41.88	65.41	-23.53	19.47	Line	-	22.41	9.66	0.07	9.74
AV	161.175k	25.98	55.41	-29.43	19.47	Line	-	6.51	9.66	0.07	9.74
QP	244.12k	34.51	61.95	-27.44	19.45	Line	-	15.06	9.65	0.10	9.70
AV	244.12k	20.64	51.95	-31.31	19.45	Line	-	1.19	9.65	0.10	9.70
QP	488.957k	27.19	56.19	-29.00	19.53	Line	-	7.66	9.65	0.11	9.77
AV	488.957k	18.96	46.19	-27.23	19.53	Line	-	-0.57	9.65	0.11	9.77
QP	808.571k	36.19	56.00	-19.81	19.55	Line	-	16.64	9.66	0.10	9.79
AV	808.571k	24.53	46.00	-21.47	19.55	Line	-	4.98	9.66	0.10	9.79
QP	2.594M	28.68	56.00	-27.32	19.57	Line	-	9.11	9.68	0.09	9.80
AV	2.594M	23.63	46.00	-22.37	19.57	Line	-	4.06	9.68	0.09	9.80
QP	17.696M	28.53	60.00	-31.47	19.63	Line	-	8.90	9.69	0.11	9.83
AV	17.696M	19.41	50.00	-30.59	19.63	Line	-	-0.22	9.69	0.11	9.83

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159.893k	40.62	65.46	-24.84	19.41	Neutral	-	21.21	9.60	0.07	9.74
AV	159.893k	25.83	55.46	-29.63	19.41	Neutral	-	6.42	9.60	0.07	9.74
QP	241.214k	34.01	62.06	-28.05	19.40	Neutral	-	14.61	9.60	0.10	9.70
AV	241.214k	23.28	52.06	-28.78	19.40	Neutral	-	3.88	9.60	0.10	9.70
QP	487.008k	32.13	56.21	-24.08	19.48	Neutral	-	12.65	9.60	0.11	9.77
AV	487.008k	24.58	46.21	-21.63	19.48	Neutral	-	5.10	9.60	0.11	9.77
QP	811.805k	39.34	56.00	-16.66	19.50	Neutral	-	19.84	9.61	0.10	9.79
AV	811.805k	30.39	46.00	-15.61	19.50	Neutral	-	10.89	9.61	0.10	9.79
QP	1.962M	27.70	56.00	-28.30	19.52	Neutral	-	8.18	9.61	0.11	9.80
AV	1.962M	21.33	46.00	-24.67	19.52	Neutral	-	1.81	9.61	0.11	9.80
QP	18.198M	31.03	60.00	-28.97	19.61	Neutral	-	11.42	9.67	0.11	9.83
AV	18.198M	25.10	50.00	-24.90	19.61	Neutral	-	5.49	9.67	0.11	9.83

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)_1TX	10.1M	13.387M	13M4G1D	9.7M	13.178M
802.11g_Nss1,(6Mbps)_1TX	16.55M	18.746M	18M7D1D	16.3M	16.508M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.25M	18.993M	19M0D1D	17.825M	18.716M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.6M	37.756M	37M8D1D	33.85M	37.31M

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)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	10.025M	13.387M
2437MHz	Pass	500k	9.7M	13.287M
2462MHz	Pass	500k	10.1M	13.178M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.55M	16.533M
2437MHz	Pass	500k	16.5M	18.746M
2462MHz	Pass	500k	16.3M	16.508M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.825M	18.716M
2437MHz	Pass	500k	18.05M	18.993M
2462MHz	Pass	500k	18.25M	18.807M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	33.85M	37.756M
2437MHz	Pass	500k	35.35M	37.31M
2452MHz	Pass	500k	37.6M	37.367M

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

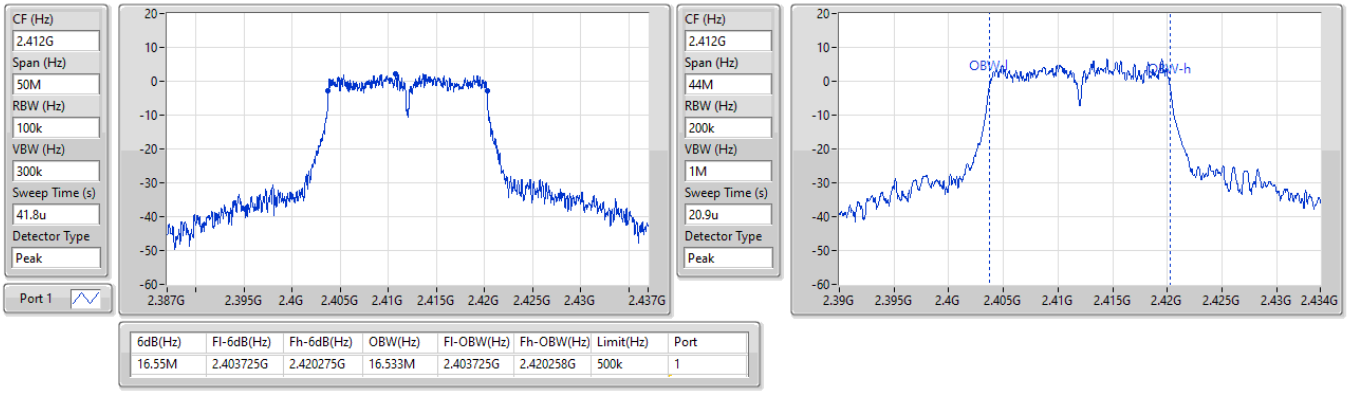
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **EBW**

2462MHz

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.1M	2.45695G	2.46705G	13.178M	2.455373G	2.468552G	500k	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **EBW**

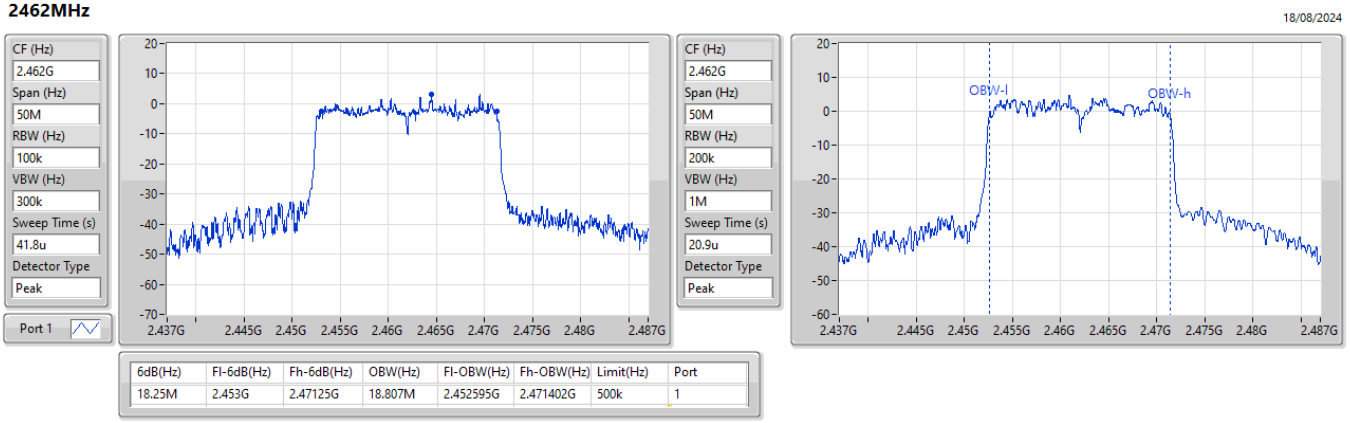
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.55M	2.403725G	2.420275G	16.533M	2.403725G	2.420258G	500k	1

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **EBW**

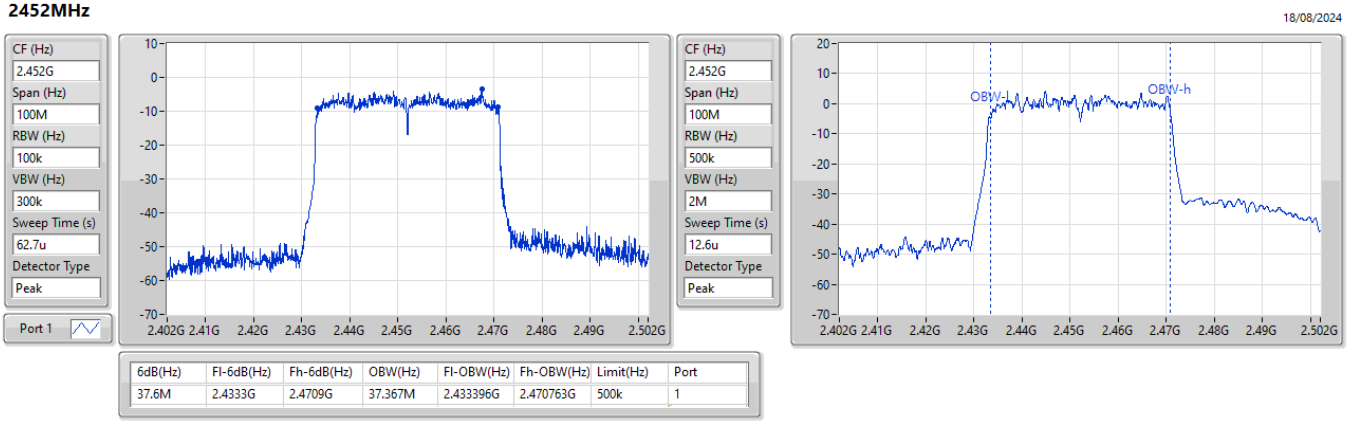
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.25M	2.453G	2.47125G	18.807M	2.452595G	2.471402G	500k	1

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX **EBW**

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.4333G	2.4709G	37.367M	2.433396G	2.470763G	500k	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	8.25M	17.616M	17M6D1D	1.95M	10.395M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX	18.25M	18.741M	18M7D1D	17.65M	18.591M

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

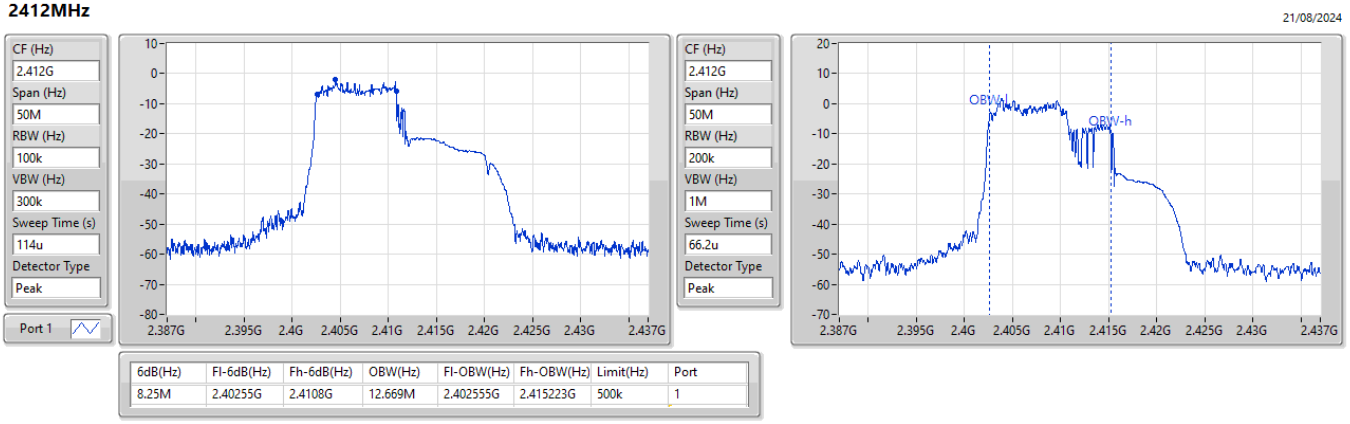
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-
2412MHz	Pass	500k	1.95M	14.568M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-
2412MHz	Pass	500k	3.625M	17.616M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-
2412MHz	Pass	500k	8.25M	12.669M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-	-	-	-
2462MHz	Pass	500k	2M	12.644M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	-	-	-	-
2462MHz	Pass	500k	3.925M	10.395M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-	-	-	-
2462MHz	Pass	500k	7.75M	17.491M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX	-	-	-	-
2422MHz	Pass	500k	17.65M	18.591M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX	-	-	-	-
2452MHz	Pass	500k	18.25M	18.741M

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

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX **EBW**

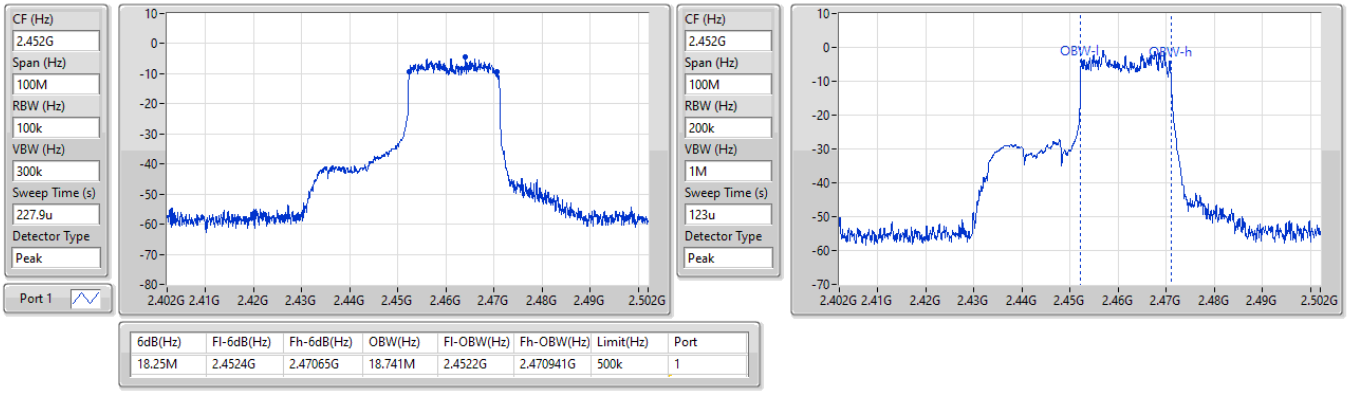
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.25M	2.40255G	2.4108G	12.669M	2.402555G	2.415223G	500k	1

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX **EBW**

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.25M	2.4524G	2.47065G	18.741M	2.4522G	2.470941G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	19.13	0.08185
802.11g_Nss1,(6Mbps)_1TX	21.04	0.12706
802.11ax HEW20_Nss1,(MCS0)_1TX	20.07	0.10162
802.11ax HEW40_Nss1,(MCS0)_1TX	14.75	0.02985

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	6.51	17.36	17.36	29.49
2417MHz	Pass	6.51	18.55	18.55	29.49
2437MHz	Pass	6.51	17.82	17.82	29.49
2457MHz	Pass	6.51	19.13	19.13	29.49
2462MHz	Pass	6.51	18.57	18.57	29.49
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	6.51	17.22	17.22	29.49
2417MHz	Pass	6.51	19.37	19.37	29.49
2437MHz	Pass	6.51	21.04	21.04	29.49
2457MHz	Pass	6.51	18.31	18.31	29.49
2462MHz	Pass	6.51	16.91	16.91	29.49
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	6.51	14.92	14.92	29.49
2417MHz	Pass	6.51	18.59	18.59	29.49
2437MHz	Pass	6.51	20.07	20.07	29.49
2457MHz	Pass	6.51	17.10	17.10	29.49
2462MHz	Pass	6.51	16.16	16.16	29.49
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	6.51	14.52	14.52	29.49
2437MHz	Pass	6.51	14.75	14.75	29.49
2447MHz	Pass	6.51	13.93	13.93	29.49
2452MHz	Pass	6.51	13.94	13.94	29.49

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_Nss1,(MCS0),RU 106,#RU 54_1TX	10.74	0.01186
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX	9.70	0.00933

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-
2412MHz	Pass	6.51	5.03	5.03	29.49
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-
2412MHz	Pass	6.51	6.62	6.62	29.49
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-
2412MHz	Pass	6.51	9.37	9.37	29.49
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-	-	-	-	-
2462MHz	Pass	6.51	6.20	6.20	29.49
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	-	-	-	-	-
2462MHz	Pass	6.51	8.20	8.20	29.49
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-	-	-	-	-
2462MHz	Pass	6.51	10.74	10.74	29.49
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX	-	-	-	-	-
2422MHz	Pass	6.51	9.54	9.54	29.49
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX	-	-	-	-	-
2452MHz	Pass	6.51	9.70	9.70	29.49

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)_1TX	-6.64
802.11g_Nss1,(6Mbps)_1TX	-6.19
802.11ax HEW20_Nss1,(MCS0)_1TX	-7.41
802.11ax HEW40_Nss1,(MCS0)_1TX	-15.99

RBW = 3kHz;

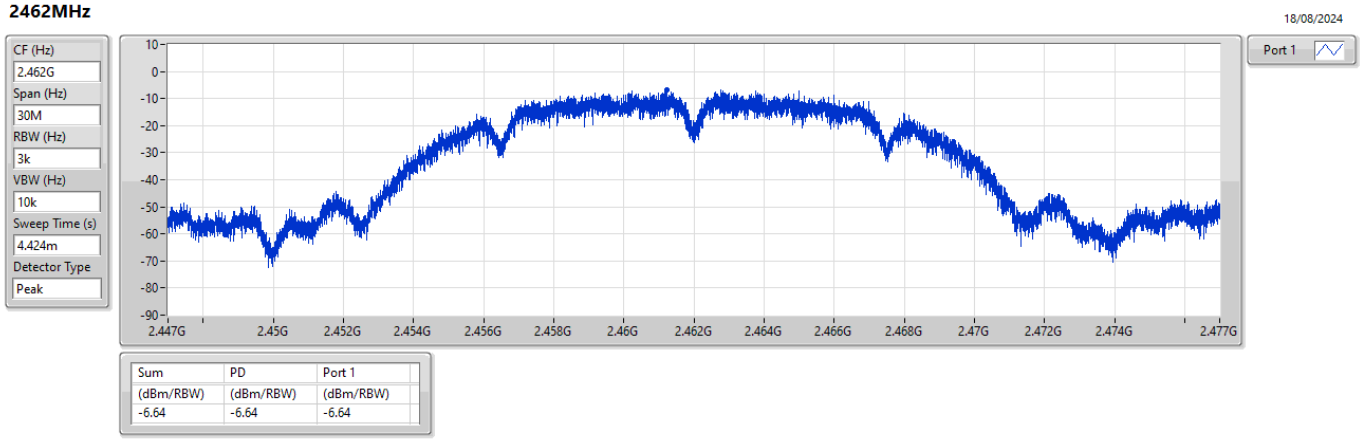
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	6.51	-9.43	-9.43	7.49
2437MHz	Pass	6.51	-7.43	-7.43	7.49
2462MHz	Pass	6.51	-6.64	-6.64	7.49
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	6.51	-10.48	-10.48	7.49
2437MHz	Pass	6.51	-6.19	-6.19	7.49
2462MHz	Pass	6.51	-10.32	-10.32	7.49
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	6.51	-13.31	-13.31	7.49
2437MHz	Pass	6.51	-7.41	-7.41	7.49
2462MHz	Pass	6.51	-11.73	-11.73	7.49
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	6.51	-16.50	-16.50	7.49
2437MHz	Pass	6.51	-15.99	-15.99	7.49
2452MHz	Pass	6.51	-16.24	-16.24	7.49

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.

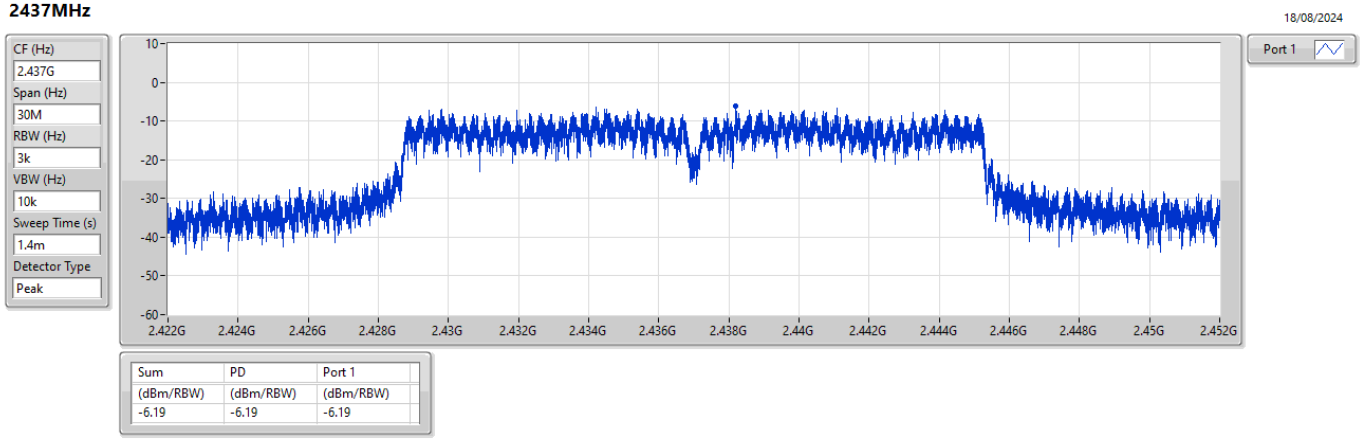
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

2462MHz



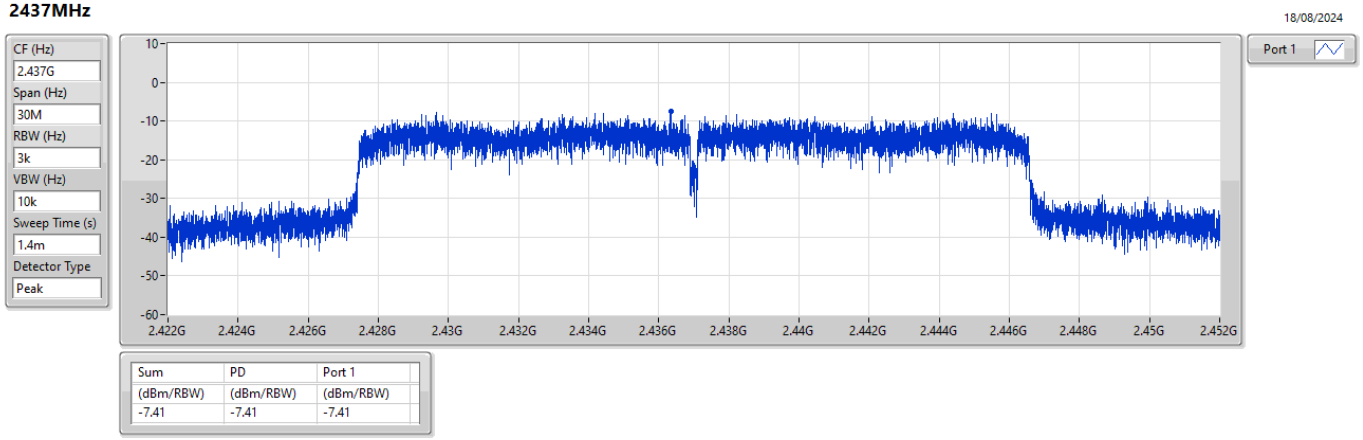
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

2437MHz



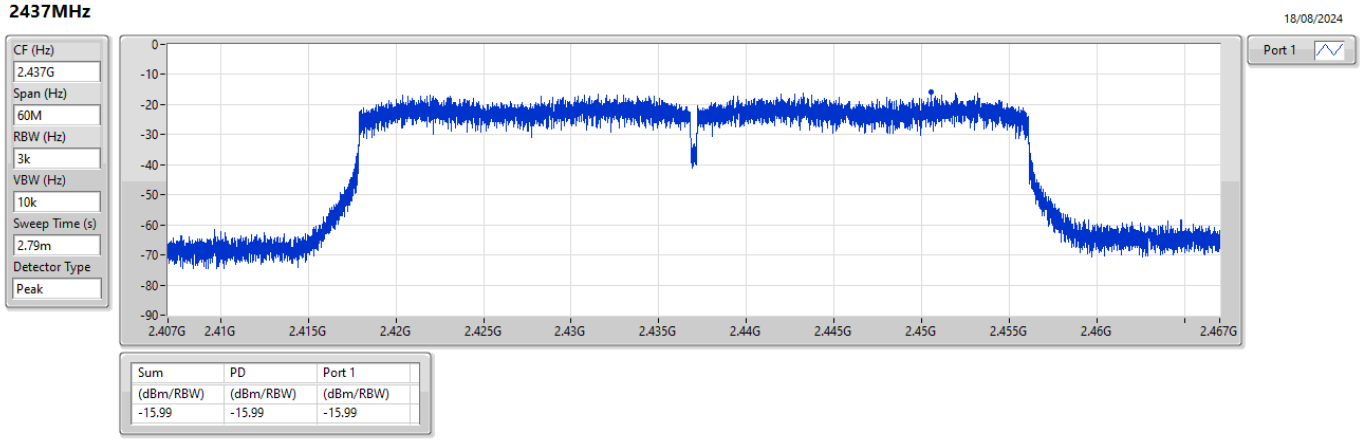
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

2437MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

2437MHz



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-11.95
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX	-16.83

RBW = 3kHz;

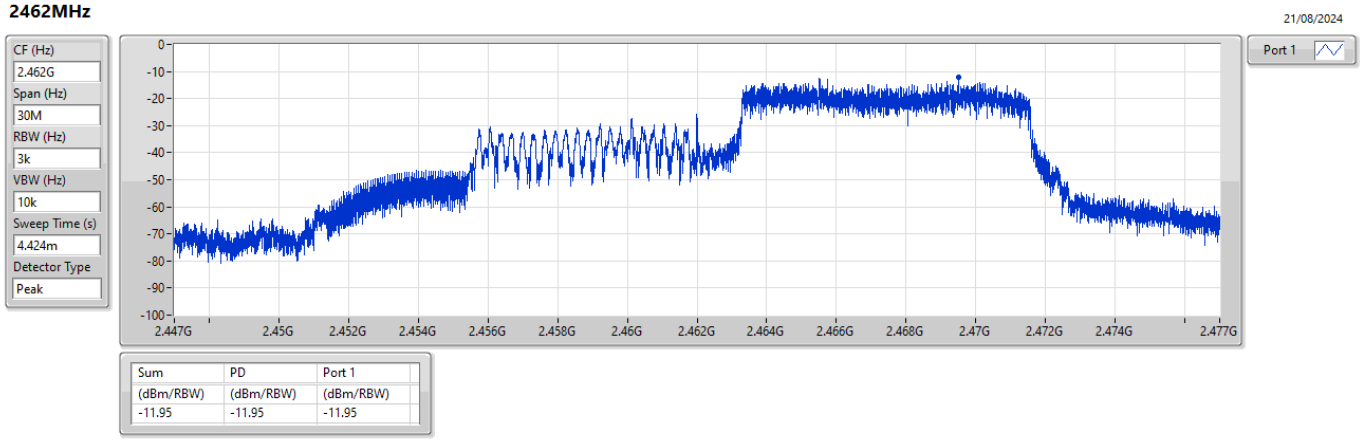
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-
2412MHz	Pass	6.51	-13.98	-13.98	7.49
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-
2412MHz	Pass	6.51	-13.72	-13.72	7.49
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-
2412MHz	Pass	6.51	-13.54	-13.54	7.49
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-	-	-	-	-
2462MHz	Pass	6.51	-12.03	-12.03	7.49
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	-	-	-	-	-
2462MHz	Pass	6.51	-12.19	-12.19	7.49
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-	-	-	-	-
2462MHz	Pass	6.51	-11.95	-11.95	7.49
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX	-	-	-	-	-
2422MHz	Pass	6.51	-17.21	-17.21	7.49
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX	-	-	-	-	-
2452MHz	Pass	6.51	-16.83	-16.83	7.49

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.

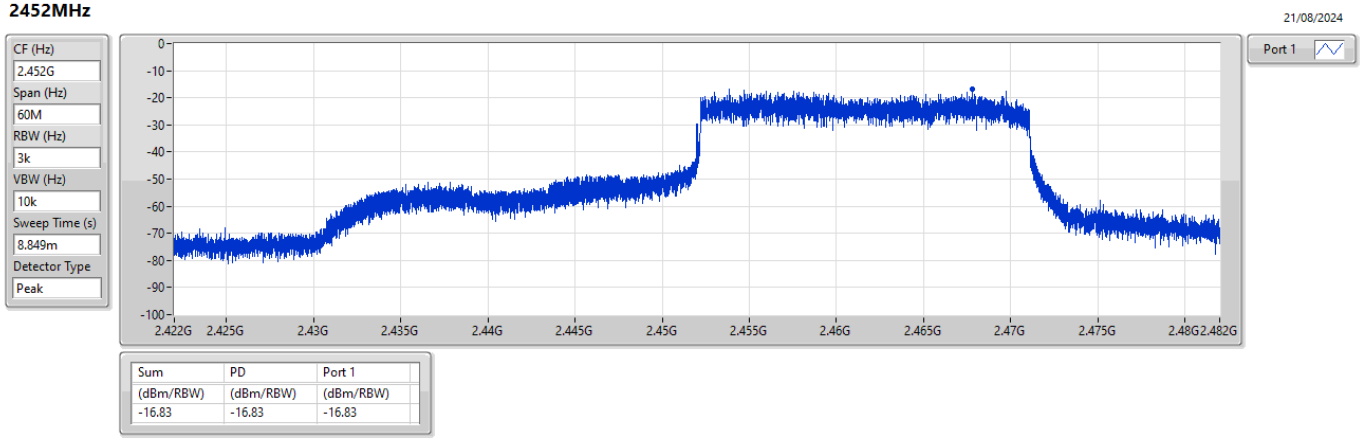
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX **PSD**

2462MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX **PSD**

2452MHz



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)_1TX	Pass	2.46146G	8.86	-21.14	1.93361G	-55.08	2.39856G	-45.89	2.4G	-53.22	2.5015G	-52.84	21.474G	-45.52	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43824G	9.69	-20.31	2.16894G	-54.91	2.3992G	-27.25	2.4G	-28.26	2.51102G	-51.70	21.54986G	-45.67	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.44459G	10.52	-19.48	2.18525G	-55.52	2.3996G	-32.13	2.4G	-35.00	2.5011G	-40.64	21.65943G	-44.99	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.44192G	0.24	-29.76	2.15856G	-55.39	2.39984G	-39.19	2.4G	-45.45	2.50046G	-54.31	21.70464G	-45.11	1

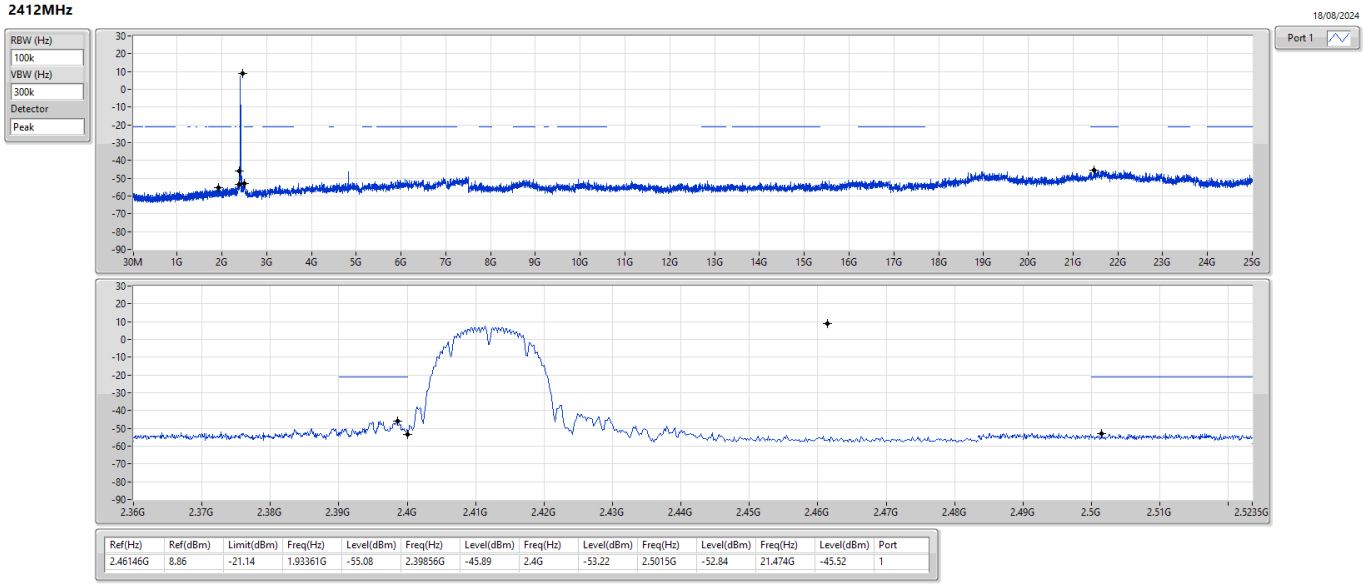
Result

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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46146G	8.86	-21.14	1.93361G	-55.08	2.39856G	-45.89	2.4G	-53.22	2.5015G	-52.84	21.474G	-45.52	1
2437MHz	Pass	2.46146G	8.86	-21.14	2.19341G	-54.64	2.3992G	-52.31	2.4G	-55.52	2.52326G	-51.89	21.72967G	-44.71	1
2462MHz	Pass	2.46146G	8.86	-21.14	1.9173G	-55.11	2.39648G	-52.62	2.4G	-56.96	2.51766G	-50.84	21.64538G	-44.91	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	9.69	-20.31	2.16894G	-54.91	2.3992G	-27.25	2.4G	-28.26	2.51102G	-51.70	21.54986G	-45.67	1
2437MHz	Pass	2.43824G	9.69	-20.31	2.1736G	-54.13	2.39976G	-35.23	2.4G	-36.33	2.50142G	-43.51	21.74091G	-45.04	1
2462MHz	Pass	2.43824G	9.69	-20.31	2.30292G	-54.82	2.3924G	-52.88	2.4G	-55.20	2.50142G	-48.81	21.69034G	-45.27	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44459G	10.52	-19.48	1.98487G	-54.41	2.39864G	-33.72	2.4G	-37.57	2.50094G	-52.13	22.00501G	-44.06	1
2437MHz	Pass	2.44459G	10.52	-19.48	2.18525G	-55.52	2.3996G	-32.13	2.4G	-35.00	2.5011G	-40.64	21.65943G	-44.99	1
2462MHz	Pass	2.44459G	10.52	-19.48	2.06176G	-55.57	2.39472G	-51.70	2.4G	-55.98	2.50142G	-47.06	22.00501G	-45.49	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44192G	0.24	-29.76	2.15856G	-55.39	2.39984G	-39.19	2.4G	-45.45	2.50046G	-54.31	21.70464G	-45.11	1
2437MHz	Pass	2.44192G	0.24	-29.76	30M	-53.75	2.39872G	-43.51	2.4G	-46.27	2.50654G	-50.70	21.83926G	-45.95	1
2452MHz	Pass	2.44192G	0.24	-29.76	30M	-54.75	2.39424G	-51.58	2.4G	-54.06	2.50718G	-46.52	21.65696G	-45.77	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

CSENdB

2412MHz

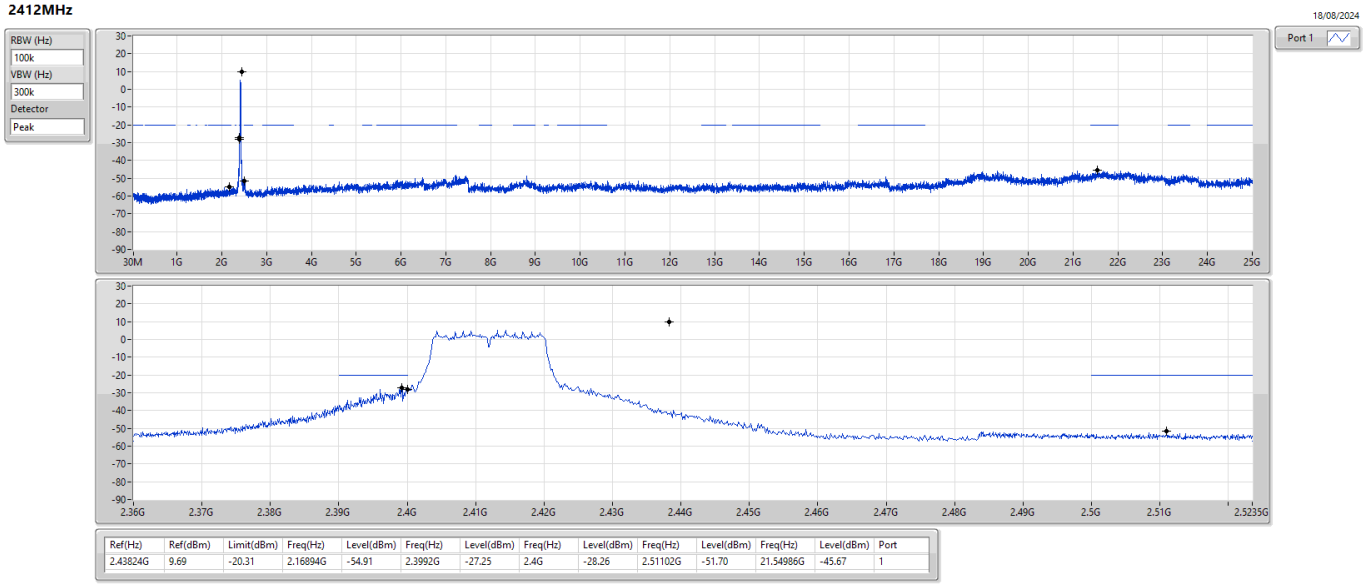


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46146G	8.86	-21.14	1.93361G	-55.08	2.39856G	-45.89	2.4G	-53.22	2.5015G	-52.84	21.474G	-45.52	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

CSENdB

2412MHz

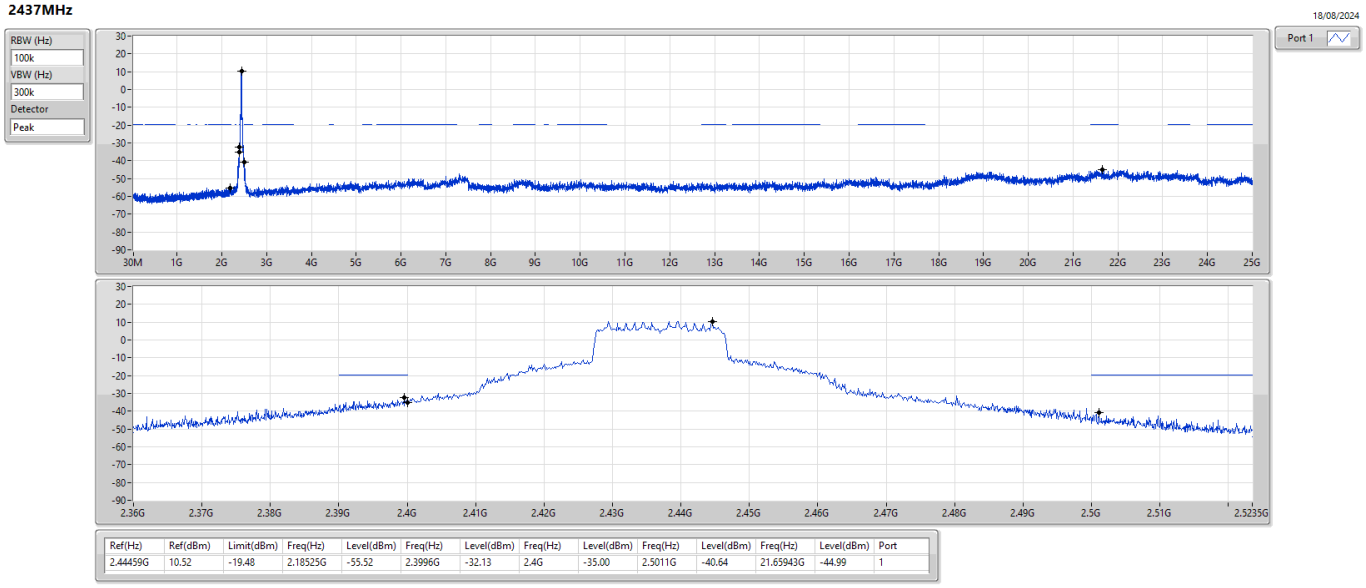


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	9.69	-20.31	2.16894G	-54.91	2.3992G	-27.25	2.4G	-28.26	2.51102G	-51.70	21.54986G	-45.67	1

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

CSENdB

2437MHz

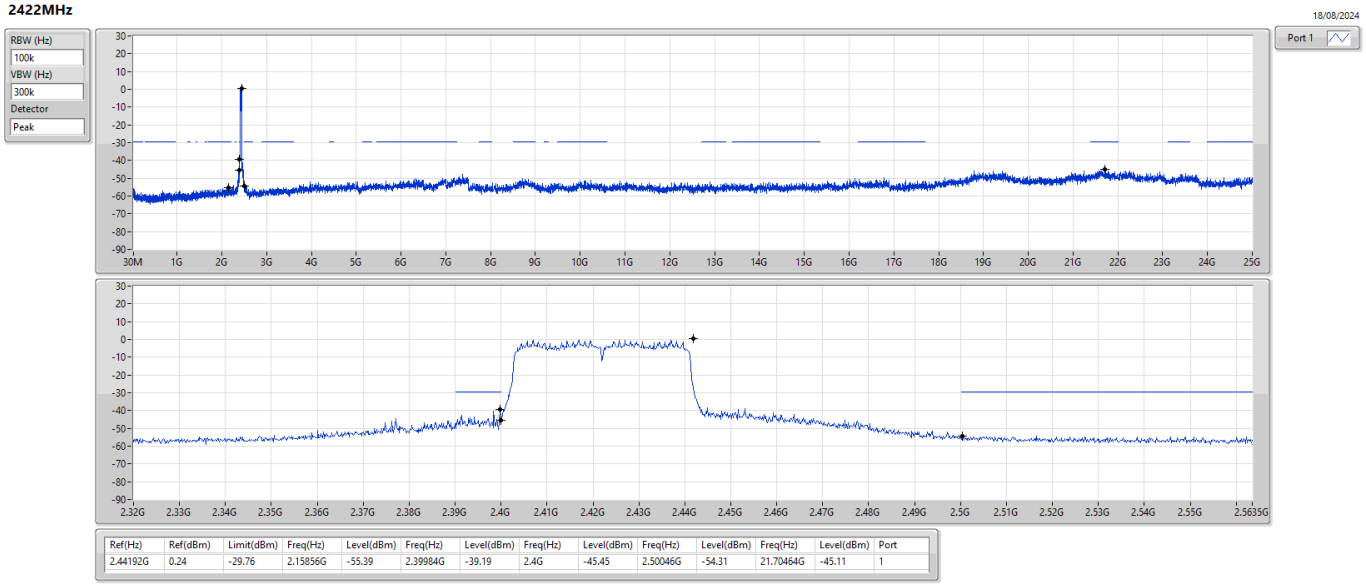


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44459G	10.52	-19.48	2.18525G	-55.52	2.3996G	-32.13	2.4G	-35.00	2.5011G	-40.64	21.65943G	-44.99	1

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

CSENdB

2422MHz



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
2.44192G	0.24	-29.76	2.15856G	-55.39	2.39984G	-39.19	2.4G	-45.45	2.50046G	-54.31	21.70464G	-45.11	1

Summary

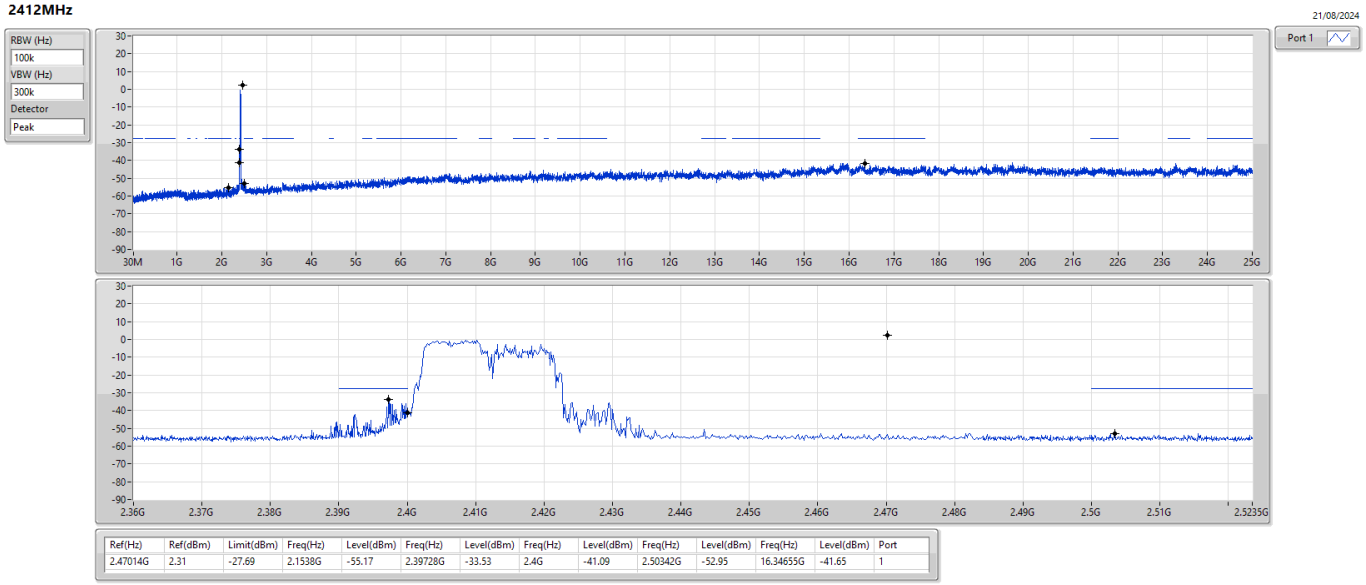
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	Pass	2.47014G	2.31	-27.69	2.1538G	-55.17	2.39728G	-33.53	2.4G	-41.09	2.50342G	-52.95	16.34655G	-41.65	1
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX	Pass	2.45711G	-1.78	-31.78	667.77M	-55.63	2.39936G	-45.12	2.4G	-44.83	2.50958G	-52.80	16.97615G	-40.88	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
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.47014G	2.31	-27.69	1.99303G	-55.43	2.39984G	-40.46	2.4G	-46.66	2.50478G	-53.34	17.63895G	-41.13	1
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.47014G	2.31	-27.69	2.1037G	-55.16	2.39984G	-35.57	2.4G	-37.41	2.50598G	-53.26	16.58817G	-42.25	1
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.47014G	2.31	-27.69	2.1538G	-55.17	2.39728G	-33.53	2.4G	-41.09	2.50342G	-52.95	16.34655G	-41.65	1
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2462MHz	Pass	2.47014G	2.31	-27.69	2.10953G	-55.28	2.39504G	-54.13	2.4G	-56.15	2.50494G	-52.37	17.64176G	-41.63	1
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2462MHz	Pass	2.47014G	2.31	-27.69	2.14914G	-55.59	2.39384G	-53.52	2.4G	-56.09	2.50006G	-53.63	16.29036G	-40.25	1
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2462MHz	Pass	2.47014G	2.31	-27.69	921.23M	-55.56	2.39536G	-53.84	2.4G	-55.12	2.50798G	-52.58	16.28474G	-41.86	1
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.45711G	-1.78	-31.78	667.77M	-55.63	2.39936G	-45.12	2.4G	-44.83	2.50958G	-52.80	16.97615G	-40.88	1
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2452MHz	Pass	2.45711G	-1.78	-31.78	796.01M	-55.13	2.39968G	-53.75	2.4G	-55.91	2.51134G	-52.02	16.29464G	-42.05	1

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX CSENdB

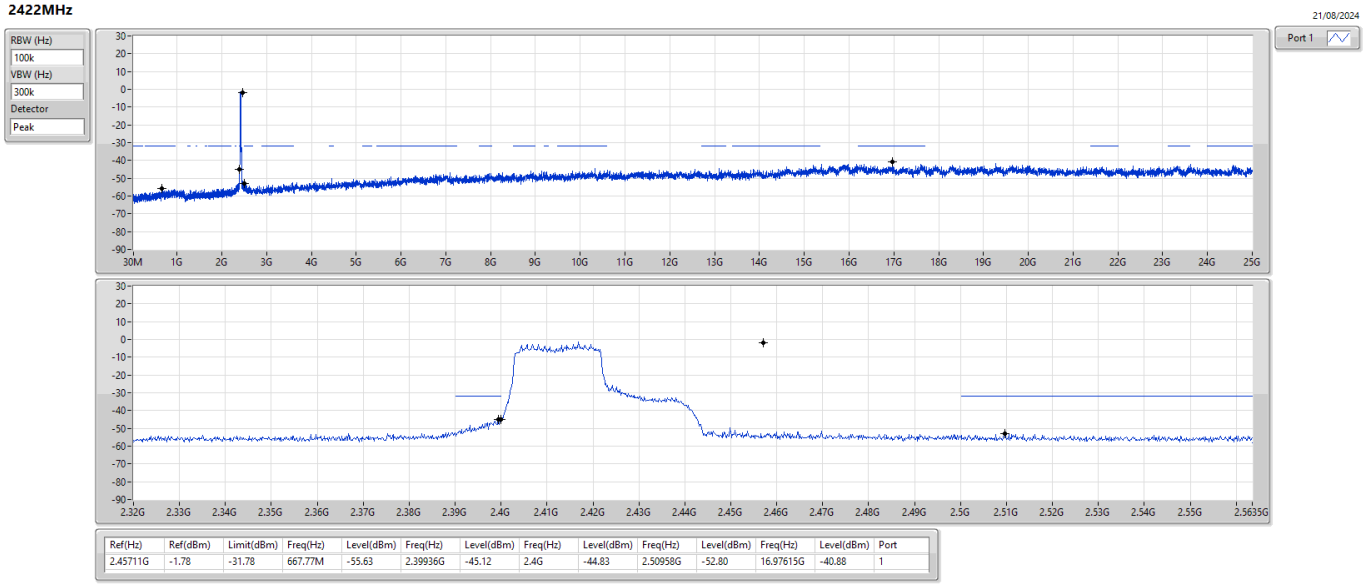
2412MHz



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
2.47014G	2.31	-27.69	2.1538G	-55.17	2.39728G	-33.53	2.4G	-41.09	2.50342G	-52.95	16.34655G	-41.65	1

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX CSENdB

2422MHz



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
2.45711G	-1.78	-31.78	667.77M	-55.63	2.39936G	-45.12	2.4G	-44.83	2.50958G	-52.80	16.97615G	-40.88	1

Summary

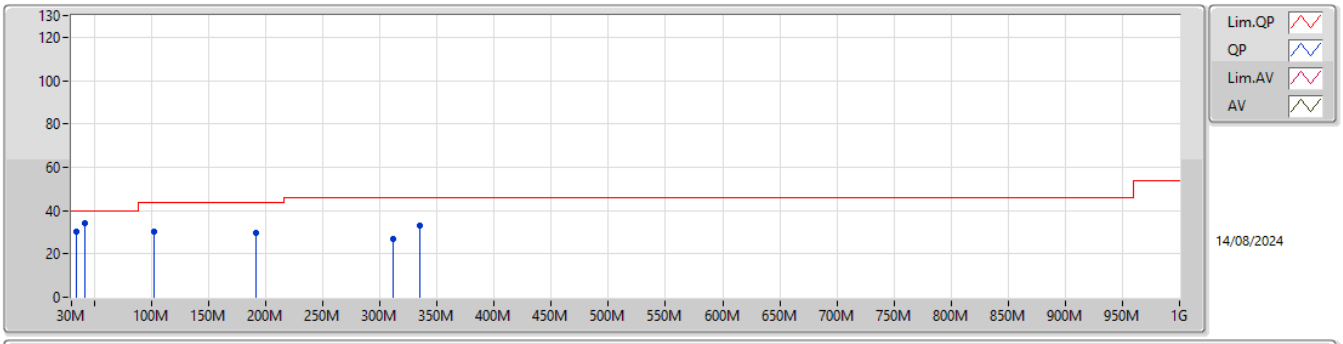
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	PK	334.58M	40.84	46.00	-5.16	3	Horizontal	0	1.00

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)_1TX	-	-	-	-	-	-	-	-	-	-
2437MHz_Fixture	Pass	PK	41.64M	33.96	40.00	-6.04	3	Vertical	360	1.00
2437MHz_Fixture	Pass	PK	101.78M	30.19	43.50	-13.31	3	Vertical	360	1.00
2437MHz_Fixture	Pass	PK	191.02M	29.74	43.50	-13.76	3	Vertical	360	1.00
2437MHz_Fixture	Pass	PK	311.3M	26.66	46.00	-19.34	3	Vertical	360	1.00
2437MHz_Fixture	Pass	PK	334.58M	33.05	46.00	-12.95	3	Vertical	360	1.00
2437MHz_Fixture	Pass	QP	33.88M	30.36	40.00	-9.64	3	Vertical	36	1.00
2437MHz_Fixture	Pass	PK	30M	29.78	40.00	-10.22	3	Horizontal	0	1.00
2437MHz_Fixture	Pass	PK	119.24M	28.65	43.50	-14.85	3	Horizontal	0	1.00
2437MHz_Fixture	Pass	PK	191.02M	31.38	43.50	-12.12	3	Horizontal	0	1.00
2437MHz_Fixture	Pass	PK	239.52M	34.76	46.00	-11.24	3	Horizontal	0	1.00
2437MHz_Fixture	Pass	PK	334.58M	40.84	46.00	-5.16	3	Horizontal	0	1.00
2437MHz_Fixture	Pass	PK	454.86M	29.74	46.00	-16.26	3	Horizontal	0	1.00

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

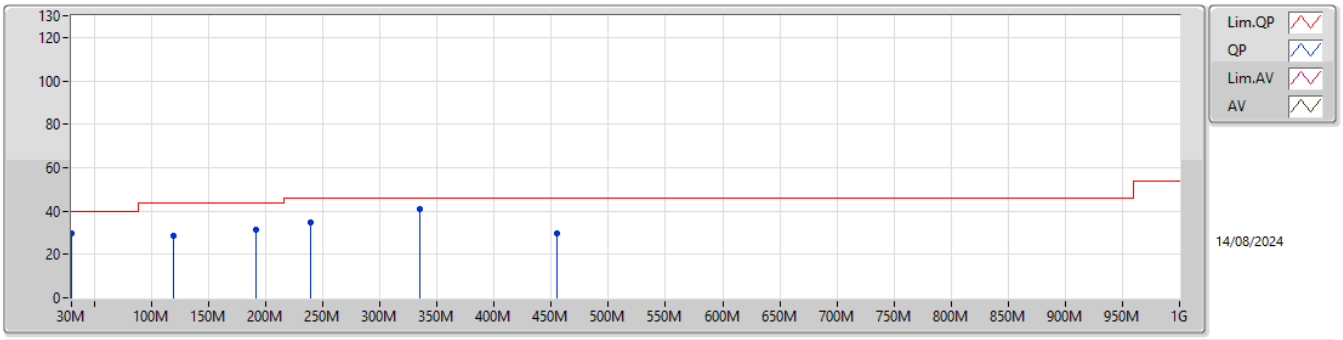
2437MHz_Fixture



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
PK	41.64M	33.96	40.00	-6.04	-9.32	3	Vertical	360	1.00	43.28	17.29	0.77	27.38
PK	101.78M	30.19	43.50	-13.31	-10.19	3	Vertical	360	1.00	40.38	15.93	1.12	27.24
PK	191.02M	29.74	43.50	-13.76	-11.21	3	Vertical	360	1.00	40.95	14.06	1.60	26.87
PK	311.3M	26.66	46.00	-19.34	-6.23	3	Vertical	360	1.00	32.89	18.58	1.94	26.75
PK	334.58M	33.05	46.00	-12.95	-6.10	3	Vertical	360	1.00	39.15	18.76	2.06	26.92
QP	33.88M	30.36	40.00	-9.64	-5.17	3	Vertical	36	1.00	35.53	21.52	0.69	27.38

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

2437MHz_Fixture



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
PK	30M	29.78	40.00	-10.22	-3.45	3	Horizontal	0	1.00	33.23	23.36	0.57	27.38
PK	119.24M	28.65	43.50	-14.85	-8.86	3	Horizontal	0	1.00	37.51	17.02	1.31	27.19
PK	191.02M	31.38	43.50	-12.12	-11.21	3	Horizontal	0	1.00	42.59	14.06	1.60	26.87
PK	239.52M	34.76	46.00	-11.24	-8.62	3	Horizontal	0	1.00	43.38	16.31	1.75	26.68
PK	334.58M	40.84	46.00	-5.16	-6.10	3	Horizontal	0	1.00	46.94	18.76	2.06	26.92
PK	454.86M	29.74	46.00	-16.26	-3.64	3	Horizontal	0	1.00	33.38	21.85	2.45	27.94

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)_1TX	Pass	AV	4.834G	52.75	54.00	-1.25	3	Horizontal	186	1.32
802.11g_Nss1,(6Mbps)_1TX	Pass	PK	2.39G	72.85	74.00	-1.15	3	Horizontal	153	1.09
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	AV	2.39G	52.55	54.00	-1.45	3	Horizontal	154	1.11
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	AV	2.4872G	52.66	54.00	-1.34	3	Horizontal	154	1.10

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3858G	42.95	54.00	-11.05	3	Vertical	94	1.93
2412MHz	Pass	AV	2.4128G	94.68	Inf	-Inf	3	Vertical	94	1.93
2412MHz	Pass	PK	2.3642G	57.11	74.00	-16.89	3	Vertical	94	1.93
2412MHz	Pass	PK	2.413G	97.36	Inf	-Inf	3	Vertical	94	1.93
2412MHz	Pass	AV	2.3856G	44.63	54.00	-9.37	3	Horizontal	155	1.26
2412MHz	Pass	AV	2.4128G	102.41	Inf	-Inf	3	Horizontal	155	1.26
2412MHz	Pass	PK	2.3756G	58.29	74.00	-15.71	3	Horizontal	155	1.26
2412MHz	Pass	PK	2.413G	105.07	Inf	-Inf	3	Horizontal	155	1.26
2412MHz	Pass	AV	4.82398G	46.95	54.00	-7.05	3	Vertical	313	2.61
2412MHz	Pass	PK	4.82408G	50.09	74.00	-23.91	3	Vertical	313	2.61
2412MHz	Pass	AV	4.82398G	52.74	54.00	-1.26	3	Horizontal	186	1.36
2412MHz	Pass	PK	4.824G	54.49	74.00	-19.51	3	Horizontal	186	1.36
2417MHz	Pass	AV	2.3888G	42.95	54.00	-11.05	3	Vertical	91	1.61
2417MHz	Pass	AV	2.4162G	93.99	Inf	-Inf	3	Vertical	91	1.61
2417MHz	Pass	PK	2.3738G	57.55	74.00	-16.45	3	Vertical	91	1.61
2417MHz	Pass	PK	2.416G	96.64	Inf	-Inf	3	Vertical	91	1.61
2417MHz	Pass	AV	2.3886G	44.25	54.00	-9.75	3	Horizontal	154	1.07
2417MHz	Pass	AV	2.4162G	102.32	Inf	-Inf	3	Horizontal	154	1.07
2417MHz	Pass	PK	2.3888G	57.44	74.00	-16.56	3	Horizontal	154	1.07
2417MHz	Pass	PK	2.416G	104.97	Inf	-Inf	3	Horizontal	154	1.07
2417MHz	Pass	AV	4.834G	47.72	54.00	-6.28	3	Vertical	313	2.76
2417MHz	Pass	AV	7.25016G	35.18	54.00	-18.82	3	Vertical	293	1.12
2417MHz	Pass	PK	4.834G	51.08	74.00	-22.92	3	Vertical	313	2.76
2417MHz	Pass	PK	7.25144G	48.22	74.00	-25.78	3	Vertical	293	1.12
2417MHz	Pass	AV	4.834G	52.75	54.00	-1.25	3	Horizontal	186	1.32
2417MHz	Pass	AV	7.2502G	37.43	54.00	-16.57	3	Horizontal	18	1.01
2417MHz	Pass	PK	4.834G	54.81	74.00	-19.19	3	Horizontal	186	1.32
2417MHz	Pass	PK	7.2535G	49.59	74.00	-24.41	3	Horizontal	18	1.01
2437MHz	Pass	AV	2.389G	42.71	54.00	-11.29	3	Vertical	91	1.50
2437MHz	Pass	AV	2.4354G	94.30	Inf	-Inf	3	Vertical	91	1.50
2437MHz	Pass	AV	2.4874G	43.53	54.00	-10.47	3	Vertical	91	1.50
2437MHz	Pass	PK	2.385G	56.32	74.00	-17.68	3	Vertical	91	1.50
2437MHz	Pass	PK	2.4362G	96.97	Inf	-Inf	3	Vertical	91	1.50
2437MHz	Pass	PK	2.4902G	56.96	74.00	-17.04	3	Vertical	91	1.50
2437MHz	Pass	AV	2.3898G	42.87	54.00	-11.13	3	Horizontal	154	2.41
2437MHz	Pass	AV	2.4378G	103.26	Inf	-Inf	3	Horizontal	154	2.41
2437MHz	Pass	AV	2.4835G	43.80	54.00	-10.20	3	Horizontal	154	2.41
2437MHz	Pass	PK	2.343G	56.25	74.00	-17.75	3	Horizontal	154	2.41
2437MHz	Pass	PK	2.4378G	105.92	Inf	-Inf	3	Horizontal	154	2.41
2437MHz	Pass	PK	2.4835G	56.64	74.00	-17.36	3	Horizontal	154	2.41
2437MHz	Pass	AV	4.874G	44.42	54.00	-9.58	3	Vertical	356	2.60
2437MHz	Pass	AV	7.3118G	34.24	54.00	-19.76	3	Vertical	283	1.00
2437MHz	Pass	PK	4.87394G	48.49	74.00	-25.51	3	Vertical	356	2.60
2437MHz	Pass	PK	7.31196G	47.97	74.00	-26.03	3	Vertical	283	1.00
2437MHz	Pass	AV	4.874G	52.60	54.00	-1.40	3	Horizontal	186	1.31
2437MHz	Pass	AV	7.31182G	35.39	54.00	-18.61	3	Horizontal	18	1.00
2437MHz	Pass	PK	4.87394G	54.66	74.00	-19.34	3	Horizontal	186	1.31
2437MHz	Pass	PK	7.31452G	48.48	74.00	-25.52	3	Horizontal	18	1.00
2457MHz	Pass	AV	2.4578G	100.53	Inf	-Inf	3	Vertical	154	2.76
2457MHz	Pass	AV	2.4835G	45.99	54.00	-8.01	3	Vertical	154	2.76
2457MHz	Pass	PK	2.4578G	103.19	Inf	-Inf	3	Vertical	154	2.76
2457MHz	Pass	PK	2.4835G	58.09	74.00	-15.91	3	Vertical	154	2.76
2457MHz	Pass	AV	2.4578G	105.17	Inf	-Inf	3	Horizontal	155	1.06
2457MHz	Pass	AV	2.4835G	49.37	54.00	-4.63	3	Horizontal	155	1.06
2457MHz	Pass	PK	2.458G	107.84	Inf	-Inf	3	Horizontal	155	1.06
2457MHz	Pass	PK	2.4835G	60.05	74.00	-13.95	3	Horizontal	155	1.06
2457MHz	Pass	AV	4.914G	48.57	54.00	-5.43	3	Vertical	248	2.87
2457MHz	Pass	AV	7.37182G	34.15	54.00	-19.85	3	Vertical	266	1.02
2457MHz	Pass	PK	4.9139G	51.54	74.00	-22.46	3	Vertical	248	2.87
2457MHz	Pass	PK	7.37144G	47.88	74.00	-26.12	3	Vertical	266	1.02

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2457MHz	Pass	AV	4.91398G	52.69	54.00	-1.31	3	Horizontal	185	1.50
2457MHz	Pass	AV	7.37178G	34.57	54.00	-19.43	3	Horizontal	30	1.14
2457MHz	Pass	PK	4.91388G	54.61	74.00	-19.39	3	Horizontal	185	1.50
2457MHz	Pass	PK	7.37358G	47.86	74.00	-26.14	3	Horizontal	30	1.14
2462MHz	Pass	AV	2.4628G	97.08	Inf	-Inf	3	Vertical	95	1.67
2462MHz	Pass	AV	2.4835G	43.94	54.00	-10.06	3	Vertical	95	1.67
2462MHz	Pass	PK	2.4628G	99.75	Inf	-Inf	3	Vertical	95	1.67
2462MHz	Pass	PK	2.4836G	57.63	74.00	-16.37	3	Vertical	95	1.67
2462MHz	Pass	AV	2.4612G	104.80	Inf	-Inf	3	Horizontal	154	1.07
2462MHz	Pass	AV	2.4835G	49.19	54.00	-4.81	3	Horizontal	154	1.07
2462MHz	Pass	PK	2.4612G	107.46	Inf	-Inf	3	Horizontal	154	1.07
2462MHz	Pass	PK	2.4842G	59.44	74.00	-14.56	3	Horizontal	154	1.07
2462MHz	Pass	AV	4.924G	47.63	54.00	-6.37	3	Vertical	248	2.89
2462MHz	Pass	AV	7.38512G	33.96	54.00	-20.04	3	Vertical	267	1.00
2462MHz	Pass	PK	4.92398G	50.75	74.00	-23.25	3	Vertical	248	2.89
2462MHz	Pass	PK	7.38666G	48.01	74.00	-25.99	3	Vertical	267	1.00
2462MHz	Pass	AV	4.92398G	52.44	54.00	-1.56	3	Horizontal	186	1.33
2462MHz	Pass	AV	7.3853G	34.60	54.00	-19.40	3	Horizontal	161	1.00
2462MHz	Pass	PK	4.92404G	54.25	74.00	-19.75	3	Horizontal	186	1.33
2462MHz	Pass	PK	7.38308G	47.54	74.00	-26.46	3	Horizontal	161	1.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	45.15	54.00	-8.85	3	Vertical	91	1.61
2412MHz	Pass	AV	2.4148G	89.10	Inf	-Inf	3	Vertical	91	1.61
2412MHz	Pass	PK	2.39G	64.09	74.00	-9.91	3	Vertical	91	1.61
2412MHz	Pass	PK	2.4146G	100.65	Inf	-Inf	3	Vertical	91	1.61
2412MHz	Pass	AV	2.39G	51.21	54.00	-2.79	3	Horizontal	153	1.09
2412MHz	Pass	AV	2.4144G	97.15	Inf	-Inf	3	Horizontal	153	1.09
2412MHz	Pass	PK	2.39G	72.85	74.00	-1.15	3	Horizontal	153	1.09
2412MHz	Pass	PK	2.4144G	108.84	Inf	-Inf	3	Horizontal	153	1.09
2412MHz	Pass	AV	4.82406G	31.02	54.00	-22.98	3	Vertical	319	2.75
2412MHz	Pass	PK	4.8243G	45.82	74.00	-28.18	3	Vertical	319	2.75
2412MHz	Pass	AV	4.824G	37.18	54.00	-16.82	3	Horizontal	156	1.00
2412MHz	Pass	PK	4.82448G	52.15	74.00	-21.85	3	Horizontal	156	1.00
2417MHz	Pass	AV	2.39G	45.64	54.00	-8.36	3	Vertical	91	1.60
2417MHz	Pass	AV	2.4144G	91.29	Inf	-Inf	3	Vertical	91	1.60
2417MHz	Pass	PK	2.3888G	63.71	74.00	-10.29	3	Vertical	91	1.60
2417MHz	Pass	PK	2.4136G	103.04	Inf	-Inf	3	Vertical	91	1.60
2417MHz	Pass	AV	2.39G	51.78	54.00	-2.22	3	Horizontal	154	1.30
2417MHz	Pass	AV	2.4144G	99.70	Inf	-Inf	3	Horizontal	154	1.30
2417MHz	Pass	PK	2.389G	71.52	74.00	-2.48	3	Horizontal	154	1.30
2417MHz	Pass	PK	2.4134G	110.85	Inf	-Inf	3	Horizontal	154	1.30
2437MHz	Pass	AV	2.3898G	44.28	54.00	-9.72	3	Vertical	91	1.50
2437MHz	Pass	AV	2.4346G	93.20	Inf	-Inf	3	Vertical	91	1.50
2437MHz	Pass	AV	2.4835G	45.88	54.00	-8.12	3	Vertical	91	1.50
2437MHz	Pass	PK	2.3886G	60.83	74.00	-13.17	3	Vertical	91	1.50
2437MHz	Pass	PK	2.4338G	104.38	Inf	-Inf	3	Vertical	91	1.50
2437MHz	Pass	PK	2.4838G	62.67	74.00	-11.33	3	Vertical	91	1.50
2437MHz	Pass	AV	2.3898G	47.56	54.00	-6.44	3	Horizontal	153	1.60
2437MHz	Pass	AV	2.4394G	101.49	Inf	-Inf	3	Horizontal	153	1.60
2437MHz	Pass	AV	2.4835G	52.61	54.00	-1.39	3	Horizontal	153	1.60
2437MHz	Pass	PK	2.3882G	66.54	74.00	-7.46	3	Horizontal	153	1.60
2437MHz	Pass	PK	2.4342G	112.60	Inf	-Inf	3	Horizontal	153	1.60
2437MHz	Pass	PK	2.4846G	72.57	74.00	-1.43	3	Horizontal	153	1.60
2437MHz	Pass	AV	4.87412G	35.88	54.00	-18.12	3	Vertical	314	2.88
2437MHz	Pass	AV	7.31208G	37.29	54.00	-16.71	3	Vertical	285	1.00
2437MHz	Pass	PK	4.87436G	50.12	74.00	-23.88	3	Vertical	314	2.88
2437MHz	Pass	PK	7.30986G	52.42	74.00	-21.58	3	Vertical	285	1.00
2437MHz	Pass	AV	4.87394G	39.84	54.00	-14.16	3	Horizontal	190	1.50
2437MHz	Pass	AV	7.31112G	39.38	54.00	-14.62	3	Horizontal	16	1.00
2437MHz	Pass	PK	4.87448G	54.44	74.00	-19.56	3	Horizontal	190	1.50
2437MHz	Pass	PK	7.30764G	55.52	74.00	-18.48	3	Horizontal	16	1.00
2457MHz	Pass	AV	2.4594G	91.36	Inf	-Inf	3	Vertical	94	1.67

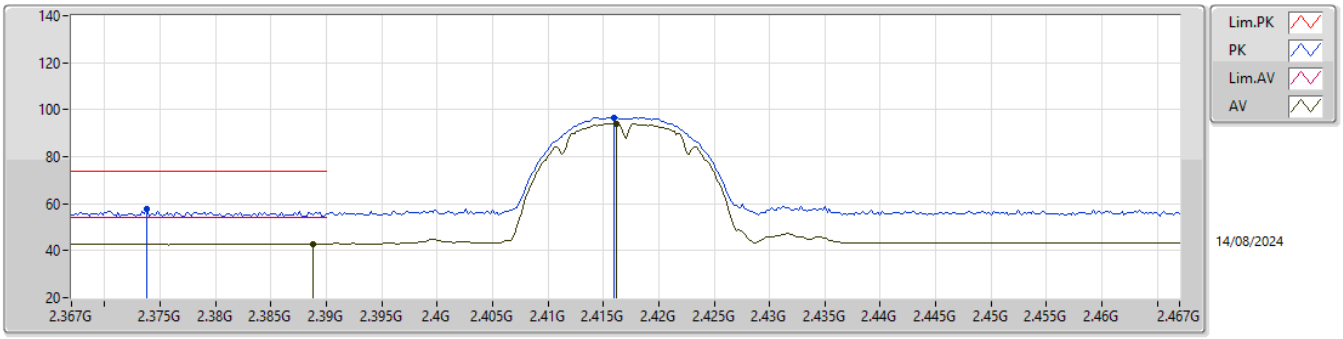
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2457MHz	Pass	AV	2.4835G	45.28	54.00	-8.72	3	Vertical	94	1.67
2457MHz	Pass	PK	2.4594G	102.99	Inf	-Inf	3	Vertical	94	1.67
2457MHz	Pass	PK	2.4852G	60.75	74.00	-13.25	3	Vertical	94	1.67
2457MHz	Pass	AV	2.4598G	99.18	Inf	-Inf	3	Horizontal	155	1.27
2457MHz	Pass	AV	2.4835G	52.84	54.00	-1.16	3	Horizontal	155	1.27
2457MHz	Pass	PK	2.4594G	111.08	Inf	-Inf	3	Horizontal	155	1.27
2457MHz	Pass	PK	2.4864G	70.73	74.00	-3.27	3	Horizontal	155	1.27
2462MHz	Pass	AV	2.4648G	90.21	Inf	-Inf	3	Vertical	94	1.69
2462MHz	Pass	AV	2.4835G	45.24	54.00	-8.76	3	Vertical	94	1.69
2462MHz	Pass	PK	2.4644G	101.83	Inf	-Inf	3	Vertical	94	1.69
2462MHz	Pass	PK	2.4835G	61.02	74.00	-12.98	3	Vertical	94	1.69
2462MHz	Pass	AV	2.4596G	98.04	Inf	-Inf	3	Horizontal	154	1.10
2462MHz	Pass	AV	2.4835G	52.52	54.00	-1.48	3	Horizontal	154	1.10
2462MHz	Pass	PK	2.4644G	109.66	Inf	-Inf	3	Horizontal	154	1.10
2462MHz	Pass	PK	2.4842G	70.94	74.00	-3.06	3	Horizontal	154	1.10
2462MHz	Pass	AV	4.92406G	32.01	54.00	-21.99	3	Vertical	248	2.84
2462MHz	Pass	AV	7.37736G	32.43	54.00	-21.57	3	Vertical	141	1.50
2462MHz	Pass	PK	4.92424G	46.55	74.00	-27.45	3	Vertical	248	2.84
2462MHz	Pass	PK	7.392G	46.93	74.00	-27.07	3	Vertical	141	1.50
2462MHz	Pass	AV	4.92392G	35.62	54.00	-18.38	3	Horizontal	186	1.33
2462MHz	Pass	AV	7.37912G	32.54	54.00	-21.46	3	Horizontal	28	1.81
2462MHz	Pass	PK	4.92436G	50.84	74.00	-23.16	3	Horizontal	186	1.33
2462MHz	Pass	PK	7.37872G	46.93	74.00	-27.07	3	Horizontal	28	1.81
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3896G	43.85	54.00	-10.15	3	Vertical	91	1.60
2412MHz	Pass	AV	2.4148G	86.66	Inf	-Inf	3	Vertical	91	1.60
2412MHz	Pass	PK	2.3878G	64.61	74.00	-9.39	3	Vertical	91	1.60
2412MHz	Pass	PK	2.4186G	100.05	Inf	-Inf	3	Vertical	91	1.60
2412MHz	Pass	AV	2.39G	47.78	54.00	-6.22	3	Horizontal	155	1.31
2412MHz	Pass	AV	2.4146G	94.78	Inf	-Inf	3	Horizontal	155	1.31
2412MHz	Pass	PK	2.3898G	70.55	74.00	-3.45	3	Horizontal	155	1.31
2412MHz	Pass	PK	2.414G	108.54	Inf	-Inf	3	Horizontal	155	1.31
2412MHz	Pass	AV	4.82388G	29.36	54.00	-24.64	3	Vertical	319	1.18
2412MHz	Pass	PK	4.83138G	43.69	74.00	-30.31	3	Vertical	319	1.18
2412MHz	Pass	AV	4.82388G	34.64	54.00	-19.36	3	Horizontal	189	1.37
2412MHz	Pass	PK	4.82316G	49.78	74.00	-24.22	3	Horizontal	189	1.37
2417MHz	Pass	AV	2.39G	45.88	54.00	-8.12	3	Vertical	91	1.49
2417MHz	Pass	AV	2.4246G	90.07	Inf	-Inf	3	Vertical	91	1.49
2417MHz	Pass	PK	2.39G	63.26	74.00	-10.74	3	Vertical	91	1.49
2417MHz	Pass	PK	2.4248G	103.60	Inf	-Inf	3	Vertical	91	1.49
2417MHz	Pass	AV	2.39G	52.55	54.00	-1.45	3	Horizontal	154	1.11
2417MHz	Pass	AV	2.4248G	98.52	Inf	-Inf	3	Horizontal	154	1.11
2417MHz	Pass	PK	2.3898G	70.86	74.00	-3.14	3	Horizontal	154	1.11
2417MHz	Pass	PK	2.4238G	112.30	Inf	-Inf	3	Horizontal	154	1.11
2437MHz	Pass	AV	2.3898G	43.79	54.00	-10.21	3	Vertical	91	1.50
2437MHz	Pass	AV	2.4346G	91.38	Inf	-Inf	3	Vertical	91	1.50
2437MHz	Pass	AV	2.4838G	45.04	54.00	-8.96	3	Vertical	91	1.50
2437MHz	Pass	PK	2.3882G	58.98	74.00	-15.02	3	Vertical	91	1.50
2437MHz	Pass	PK	2.4342G	104.71	Inf	-Inf	3	Vertical	91	1.50
2437MHz	Pass	PK	2.4842G	62.05	74.00	-11.95	3	Vertical	91	1.50
2437MHz	Pass	AV	2.3898G	46.81	54.00	-7.19	3	Horizontal	154	2.40
2437MHz	Pass	AV	2.4398G	100.20	Inf	-Inf	3	Horizontal	154	2.40
2437MHz	Pass	AV	2.4835G	51.30	54.00	-2.70	3	Horizontal	154	2.40
2437MHz	Pass	PK	2.3898G	65.26	74.00	-8.74	3	Horizontal	154	2.40
2437MHz	Pass	PK	2.4402G	113.73	Inf	-Inf	3	Horizontal	154	2.40
2437MHz	Pass	PK	2.4842G	71.89	74.00	-2.11	3	Horizontal	154	2.40
2437MHz	Pass	AV	4.8731G	34.60	54.00	-19.40	3	Vertical	313	2.88
2437MHz	Pass	AV	7.31262G	34.67	54.00	-19.33	3	Vertical	271	1.00
2437MHz	Pass	PK	4.8695G	50.01	74.00	-23.99	3	Vertical	313	2.88
2437MHz	Pass	PK	7.31454G	50.51	74.00	-23.49	3	Vertical	271	1.00
2437MHz	Pass	AV	4.87388G	38.59	54.00	-15.41	3	Horizontal	186	1.30
2437MHz	Pass	AV	7.31088G	36.89	54.00	-17.11	3	Horizontal	17	1.00

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2437MHz	Pass	PK	4.86794G	53.32	74.00	-20.68	3	Horizontal	186	1.30
2437MHz	Pass	PK	7.30878G	53.42	74.00	-20.58	3	Horizontal	17	1.00
2457MHz	Pass	AV	2.4598G	89.81	Inf	-Inf	3	Vertical	95	1.66
2457MHz	Pass	AV	2.4838G	44.81	54.00	-9.19	3	Vertical	95	1.66
2457MHz	Pass	PK	2.459G	103.25	Inf	-Inf	3	Vertical	95	1.66
2457MHz	Pass	PK	2.4835G	60.83	74.00	-13.17	3	Vertical	95	1.66
2457MHz	Pass	AV	2.4598G	97.76	Inf	-Inf	3	Horizontal	154	1.04
2457MHz	Pass	AV	2.4835G	52.21	54.00	-1.79	3	Horizontal	154	1.04
2457MHz	Pass	PK	2.4594G	111.51	Inf	-Inf	3	Horizontal	154	1.04
2457MHz	Pass	PK	2.4842G	72.18	74.00	-1.82	3	Horizontal	154	1.04
2462MHz	Pass	AV	2.4646G	88.97	Inf	-Inf	3	Vertical	93	1.67
2462MHz	Pass	AV	2.4835G	44.68	54.00	-9.32	3	Vertical	93	1.67
2462MHz	Pass	PK	2.4602G	102.85	Inf	-Inf	3	Vertical	93	1.67
2462MHz	Pass	PK	2.4835G	60.88	74.00	-13.12	3	Vertical	93	1.67
2462MHz	Pass	AV	2.4696G	96.70	Inf	-Inf	3	Horizontal	154	1.11
2462MHz	Pass	AV	2.4836G	51.67	54.00	-2.33	3	Horizontal	154	1.11
2462MHz	Pass	PK	2.4644G	110.54	Inf	-Inf	3	Horizontal	154	1.11
2462MHz	Pass	PK	2.4835G	72.10	74.00	-1.90	3	Horizontal	154	1.11
2462MHz	Pass	AV	4.924G	30.69	54.00	-23.31	3	Vertical	249	2.69
2462MHz	Pass	AV	7.37718G	32.40	54.00	-21.60	3	Vertical	229	1.63
2462MHz	Pass	PK	4.92442G	45.55	74.00	-28.45	3	Vertical	249	2.69
2462MHz	Pass	PK	7.37574G	46.92	74.00	-27.08	3	Vertical	229	1.63
2462MHz	Pass	AV	4.92406G	34.01	54.00	-19.99	3	Horizontal	185	1.00
2462MHz	Pass	AV	7.37784G	32.52	54.00	-21.48	3	Horizontal	29	1.50
2462MHz	Pass	PK	4.92718G	48.76	74.00	-25.24	3	Horizontal	185	1.00
2462MHz	Pass	PK	7.38354G	47.55	74.00	-26.45	3	Horizontal	29	1.50
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.388G	46.74	54.00	-7.26	3	Vertical	92	1.50
2422MHz	Pass	AV	2.4276G	84.25	Inf	-Inf	3	Vertical	92	1.50
2422MHz	Pass	AV	2.4904G	45.45	54.00	-8.55	3	Vertical	92	1.50
2422MHz	Pass	PK	2.3876G	60.96	74.00	-13.04	3	Vertical	92	1.50
2422MHz	Pass	PK	2.4252G	96.88	Inf	-Inf	3	Vertical	92	1.50
2422MHz	Pass	PK	2.4968G	57.88	74.00	-16.12	3	Vertical	92	1.50
2422MHz	Pass	AV	2.3892G	52.31	54.00	-1.69	3	Horizontal	154	1.12
2422MHz	Pass	AV	2.428G	92.91	Inf	-Inf	3	Horizontal	154	1.12
2422MHz	Pass	AV	2.4844G	47.99	54.00	-6.01	3	Horizontal	154	1.12
2422MHz	Pass	PK	2.3896G	68.16	74.00	-5.84	3	Horizontal	154	1.12
2422MHz	Pass	PK	2.4252G	105.63	Inf	-Inf	3	Horizontal	154	1.12
2422MHz	Pass	PK	2.4835G	65.41	74.00	-8.59	3	Horizontal	154	1.12
2422MHz	Pass	AV	4.8302G	30.13	54.00	-23.87	3	Vertical	229	1.45
2422MHz	Pass	AV	7.2786G	34.71	54.00	-19.29	3	Vertical	292	1.50
2422MHz	Pass	PK	4.83848G	42.82	74.00	-31.18	3	Vertical	229	1.45
2422MHz	Pass	PK	7.2642G	47.35	74.00	-26.65	3	Vertical	292	1.50
2422MHz	Pass	AV	4.844G	34.26	54.00	-19.74	3	Horizontal	186	1.35
2422MHz	Pass	PK	4.84364G	47.52	74.00	-26.48	3	Horizontal	186	1.35
2422MHz	Pass	PK	7.27836G	47.81	74.00	-26.19	3	Horizontal	0	1.50
2437MHz	Pass	AV	2.3842G	44.96	54.00	-9.04	3	Vertical	90	1.50
2437MHz	Pass	AV	2.4318G	84.45	Inf	-Inf	3	Vertical	90	1.50
2437MHz	Pass	AV	2.4838G	45.94	54.00	-8.06	3	Vertical	90	1.50
2437MHz	Pass	PK	2.389G	57.68	74.00	-16.32	3	Vertical	90	1.50
2437MHz	Pass	PK	2.4338G	97.55	Inf	-Inf	3	Vertical	90	1.50
2437MHz	Pass	PK	2.4974G	58.01	74.00	-15.99	3	Vertical	90	1.50
2437MHz	Pass	AV	2.3894G	48.61	54.00	-5.39	3	Horizontal	154	1.08
2437MHz	Pass	AV	2.4522G	93.31	Inf	-Inf	3	Horizontal	154	1.08
2437MHz	Pass	AV	2.4842G	51.67	54.00	-2.33	3	Horizontal	154	1.08
2437MHz	Pass	PK	2.3898G	62.62	74.00	-11.38	3	Horizontal	154	1.08
2437MHz	Pass	PK	2.4522G	105.18	Inf	-Inf	3	Horizontal	154	1.08
2437MHz	Pass	PK	2.4835G	66.45	74.00	-7.55	3	Horizontal	154	1.08
2437MHz	Pass	AV	4.89476G	29.75	54.00	-24.25	3	Vertical	159	1.00
2437MHz	Pass	AV	7.31196G	34.27	54.00	-19.73	3	Vertical	52	1.50
2437MHz	Pass	PK	4.88624G	42.09	74.00	-31.91	3	Vertical	159	1.00
2437MHz	Pass	PK	7.31148G	46.84	74.00	-27.16	3	Vertical	52	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2437MHz	Pass	AV	4.844G	33.94	54.00	-20.06	3	Horizontal	157	1.00
2437MHz	Pass	AV	7.28676G	34.26	54.00	-19.74	3	Horizontal	191	2.74
2437MHz	Pass	PK	4.85012G	47.61	74.00	-26.39	3	Horizontal	157	1.00
2437MHz	Pass	PK	7.3068G	47.36	74.00	-26.64	3	Horizontal	191	2.74
2447MHz	Pass	AV	2.3686G	44.64	54.00	-9.36	3	Vertical	91	1.63
2447MHz	Pass	AV	2.4622G	83.50	Inf	-Inf	3	Vertical	91	1.63
2447MHz	Pass	AV	2.4946G	45.49	54.00	-8.51	3	Vertical	91	1.63
2447MHz	Pass	PK	2.3846G	57.35	74.00	-16.65	3	Vertical	91	1.63
2447MHz	Pass	PK	2.4626G	96.02	Inf	-Inf	3	Vertical	91	1.63
2447MHz	Pass	PK	2.4954G	58.16	74.00	-15.84	3	Vertical	91	1.63
2447MHz	Pass	AV	2.389G	45.38	54.00	-8.62	3	Horizontal	154	1.09
2447MHz	Pass	AV	2.4618G	92.87	Inf	-Inf	3	Horizontal	154	1.09
2447MHz	Pass	AV	2.4835G	52.59	54.00	-1.41	3	Horizontal	154	1.09
2447MHz	Pass	PK	2.389G	57.98	74.00	-16.02	3	Horizontal	154	1.09
2447MHz	Pass	PK	2.4534G	105.33	Inf	-Inf	3	Horizontal	154	1.09
2447MHz	Pass	PK	2.4874G	66.33	74.00	-7.67	3	Horizontal	154	1.09
2447MHz	Pass	AV	4.88554G	29.30	54.00	-24.70	3	Vertical	44	1.79
2447MHz	Pass	AV	7.3263G	33.94	54.00	-20.06	3	Vertical	46	2.24
2447MHz	Pass	PK	4.89226G	42.44	74.00	-31.56	3	Vertical	44	1.79
2447MHz	Pass	PK	7.34184G	47.66	74.00	-26.34	3	Vertical	46	2.24
2447MHz	Pass	AV	4.88686G	30.18	54.00	-23.82	3	Horizontal	274	1.51
2447MHz	Pass	AV	7.3311G	34.02	54.00	-19.98	3	Horizontal	305	1.99
2447MHz	Pass	PK	4.88458G	40.59	74.00	-33.41	3	Horizontal	274	1.51
2447MHz	Pass	PK	7.34982G	46.40	74.00	-27.60	3	Horizontal	305	1.99
2452MHz	Pass	AV	2.3788G	44.60	54.00	-9.40	3	Vertical	99	2.71
2452MHz	Pass	AV	2.4668G	84.98	Inf	-Inf	3	Vertical	99	2.71
2452MHz	Pass	AV	2.4835G	47.32	54.00	-6.68	3	Vertical	99	2.71
2452MHz	Pass	PK	2.3852G	57.03	74.00	-16.97	3	Vertical	99	2.71
2452MHz	Pass	PK	2.4672G	97.19	Inf	-Inf	3	Vertical	99	2.71
2452MHz	Pass	PK	2.4924G	59.86	74.00	-14.14	3	Vertical	99	2.71
2452MHz	Pass	AV	2.3888G	44.67	54.00	-9.33	3	Horizontal	154	1.10
2452MHz	Pass	AV	2.4668G	93.10	Inf	-Inf	3	Horizontal	154	1.10
2452MHz	Pass	AV	2.4872G	52.66	54.00	-1.34	3	Horizontal	154	1.10
2452MHz	Pass	PK	2.374G	57.18	74.00	-16.82	3	Horizontal	154	1.10
2452MHz	Pass	PK	2.4688G	105.60	Inf	-Inf	3	Horizontal	154	1.10
2452MHz	Pass	PK	2.4944G	66.56	74.00	-7.44	3	Horizontal	154	1.10
2452MHz	Pass	AV	4.88804G	29.70	54.00	-24.30	3	Vertical	180	1.50
2452MHz	Pass	AV	7.38228G	34.14	54.00	-19.86	3	Vertical	98	1.50
2452MHz	Pass	PK	4.93244G	42.32	74.00	-31.68	3	Vertical	180	1.50
2452MHz	Pass	PK	7.38528G	47.42	74.00	-26.58	3	Vertical	98	1.50
2452MHz	Pass	AV	4.90412G	32.07	54.00	-21.93	3	Horizontal	179	1.44
2452MHz	Pass	AV	7.34292G	34.32	54.00	-19.68	3	Horizontal	358	1.50
2452MHz	Pass	PK	4.90388G	44.96	74.00	-29.04	3	Horizontal	179	1.44
2452MHz	Pass	PK	7.35624G	46.66	74.00	-27.34	3	Horizontal	358	1.50

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

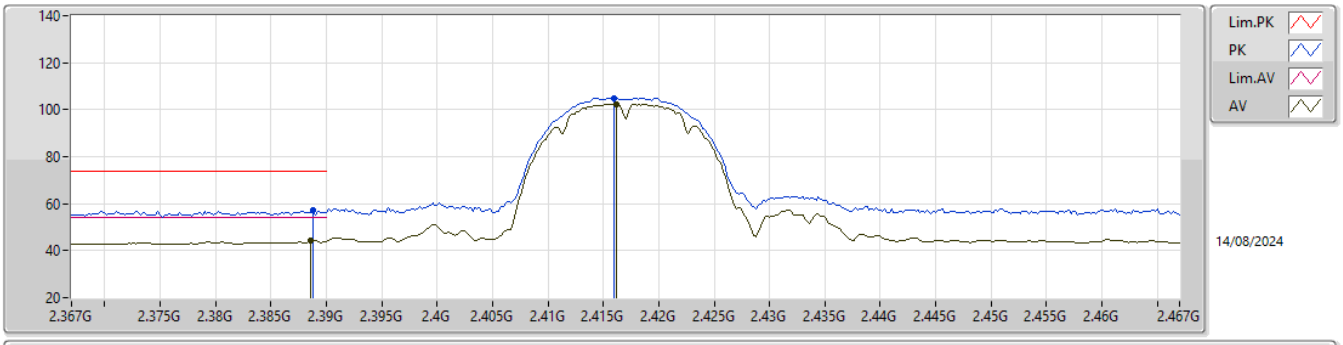
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3888G	42.95	54.00	-11.05	30.54	3	Vertical	91	1.61	12.41	27.39	3.15	-
AV	2.4162G	93.99	Inf	-Inf	30.71	3	Vertical	91	1.61	63.28	27.54	3.17	-
PK	2.3738G	57.55	74.00	-16.45	30.50	3	Vertical	91	1.61	27.05	27.36	3.14	-
PK	2.416G	96.64	Inf	-Inf	30.71	3	Vertical	91	1.61	65.93	27.54	3.17	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

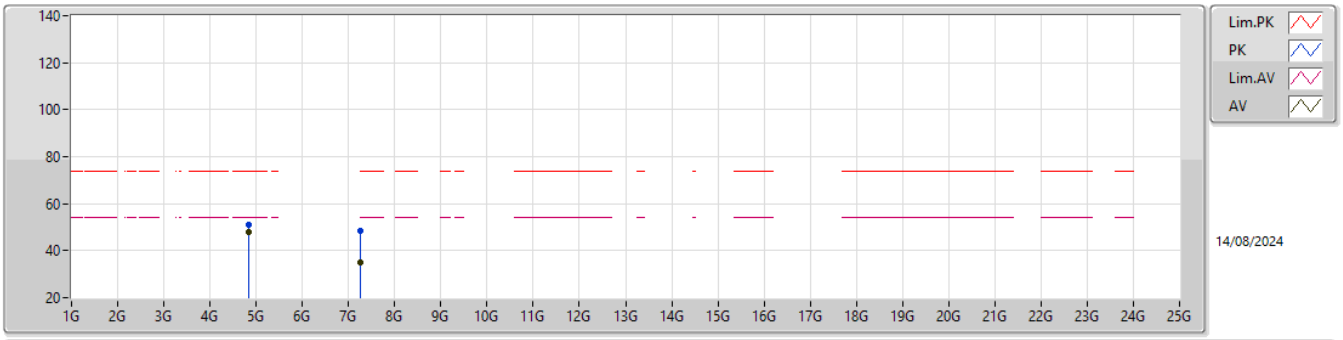
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	44.25	54.00	-9.75	30.54	3	Horizontal	154	1.07	13.71	27.39	3.15	-
AV	2.4162G	102.32	Inf	-Inf	30.71	3	Horizontal	154	1.07	71.61	27.54	3.17	-
PK	2.3888G	57.44	74.00	-16.56	30.54	3	Horizontal	154	1.07	26.90	27.39	3.15	-
PK	2.416G	104.97	Inf	-Inf	30.71	3	Horizontal	154	1.07	74.26	27.54	3.17	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

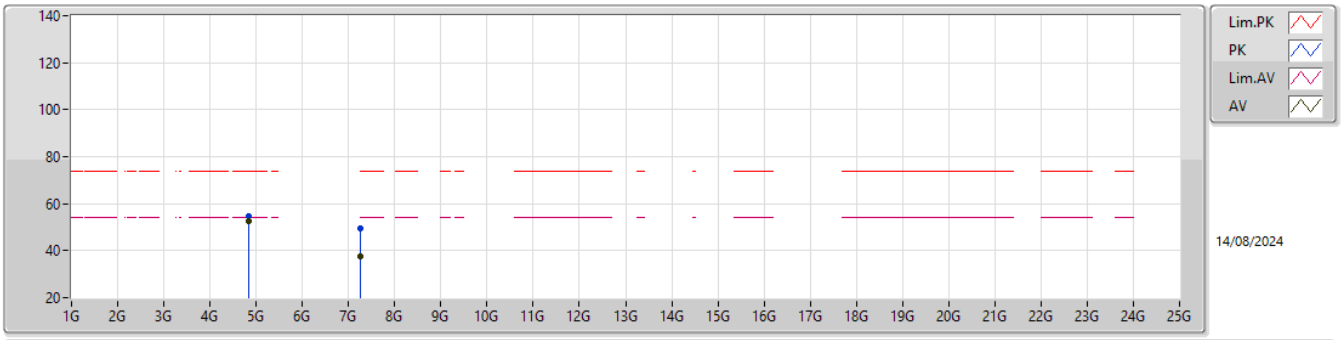
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.834G	47.72	54.00	-6.28	-6.83	3	Vertical	313	2.76	54.55	32.64	4.59	44.06
AV	7.25016G	35.18	54.00	-18.82	-0.61	3	Vertical	293	1.12	35.79	37.30	5.91	43.82
PK	4.834G	51.08	74.00	-22.92	-6.83	3	Vertical	313	2.76	57.91	32.64	4.59	44.06
PK	7.25144G	48.22	74.00	-25.78	-0.61	3	Vertical	293	1.12	48.83	37.30	5.91	43.82

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

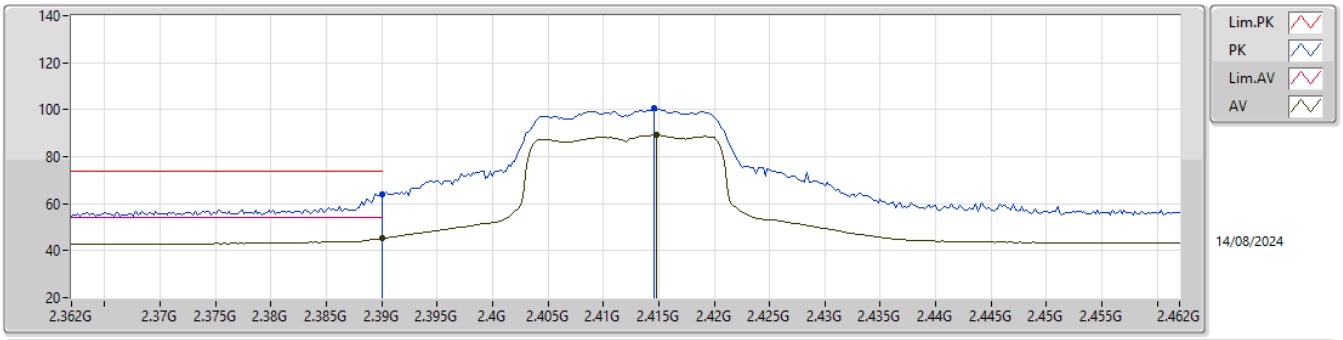
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.834G	52.75	54.00	-1.25	-6.83	3	Horizontal	186	1.32	59.58	32.64	4.59	44.06
AV	7.2502G	37.43	54.00	-16.57	-0.61	3	Horizontal	18	1.01	38.04	37.30	5.91	43.82
PK	4.834G	54.81	74.00	-19.19	-6.83	3	Horizontal	186	1.32	61.64	32.64	4.59	44.06
PK	7.2535G	49.59	74.00	-24.41	-0.62	3	Horizontal	18	1.01	50.21	37.29	5.91	43.82

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

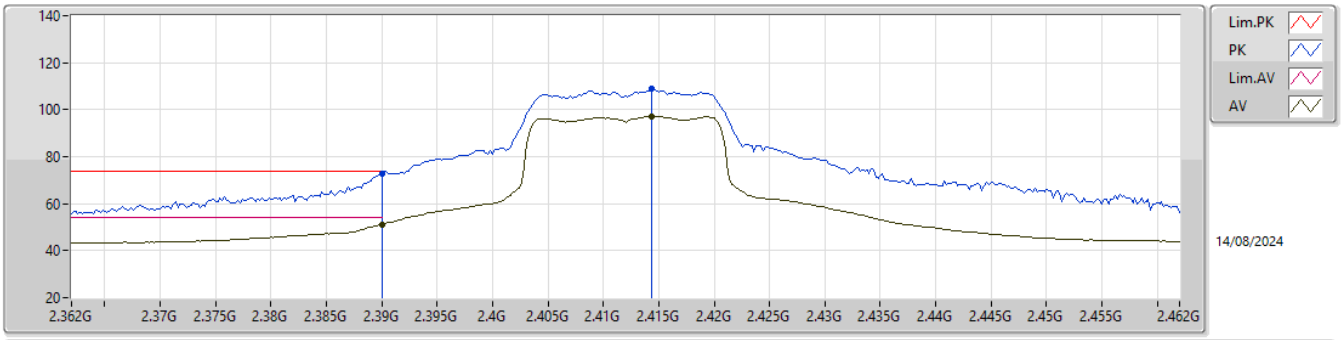
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	45.15	54.00	-8.85	30.55	3	Vertical	91	1.61	14.60	27.40	3.15	-
AV	2.4148G	89.10	Inf	-Inf	30.72	3	Vertical	91	1.61	58.38	27.55	3.17	-
PK	2.39G	64.09	74.00	-9.91	30.55	3	Vertical	91	1.61	33.54	27.40	3.15	-
PK	2.4146G	100.65	Inf	-Inf	30.72	3	Vertical	91	1.61	69.93	27.55	3.17	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

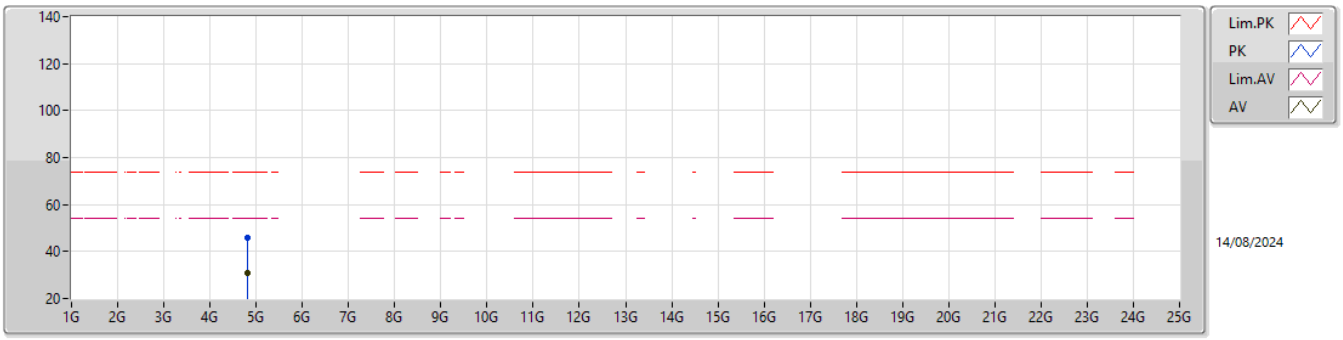
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	51.21	54.00	-2.79	30.55	3	Horizontal	153	1.09	20.66	27.40	3.15	-
AV	2.4144G	97.15	Inf	-Inf	30.73	3	Horizontal	153	1.09	66.42	27.56	3.17	-
PK	2.39G	72.85	74.00	-1.15	30.55	3	Horizontal	153	1.09	42.30	27.40	3.15	-
PK	2.4144G	108.84	Inf	-Inf	30.73	3	Horizontal	153	1.09	78.11	27.56	3.17	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

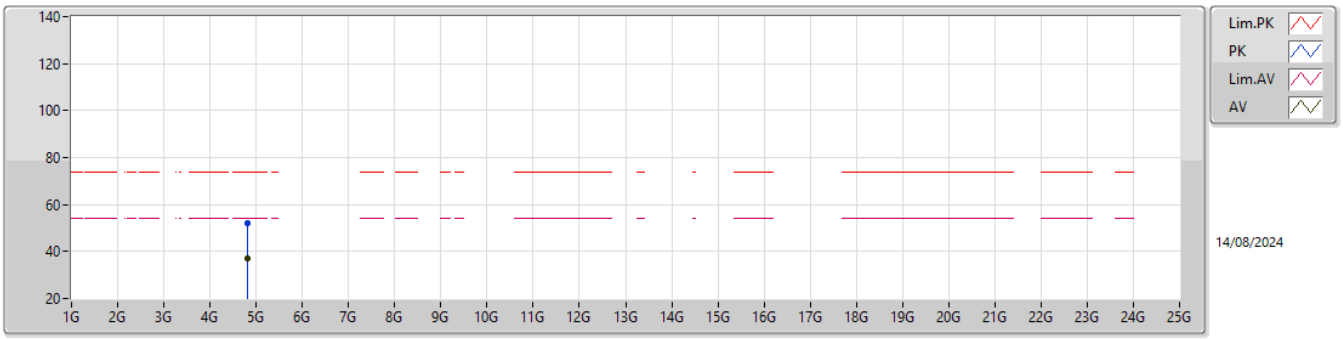
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.82406G	31.02	54.00	-22.98	-6.88	3	Vertical	319	2.75	37.90	32.60	4.58	44.06
PK	4.8243G	45.82	74.00	-28.18	-6.88	3	Vertical	319	2.75	52.70	32.60	4.58	44.06

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

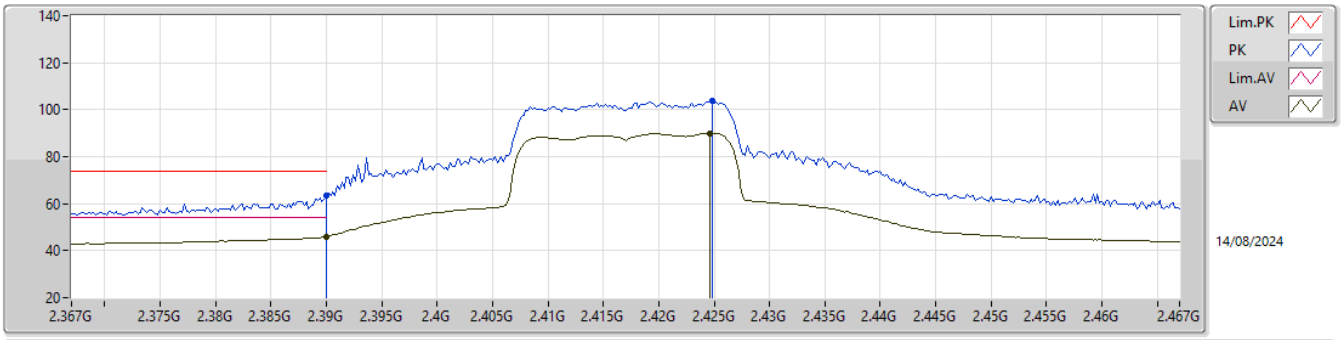
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.824G	37.18	54.00	-16.82	-6.88	3	Horizontal	156	1.00	44.06	32.60	4.58	44.06
PK	4.82448G	52.15	74.00	-21.85	-6.88	3	Horizontal	156	1.00	59.03	32.60	4.58	44.06

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

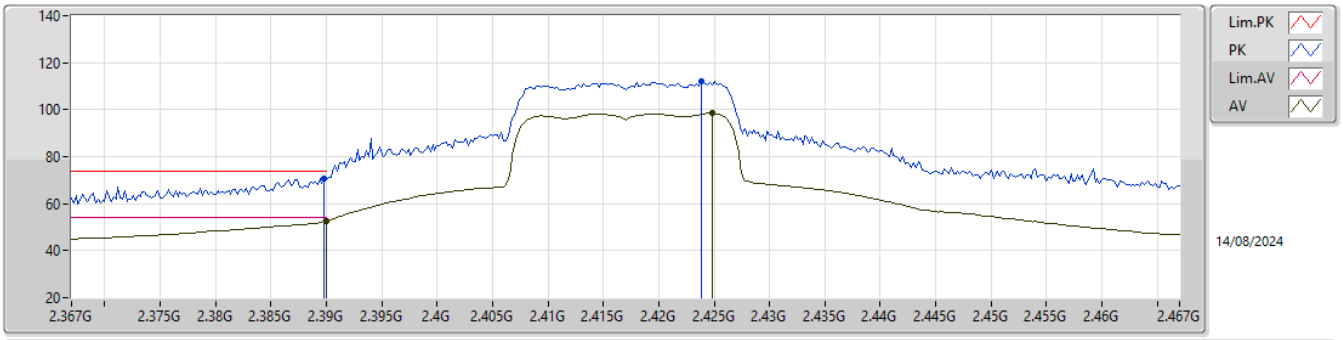
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	45.88	54.00	-8.12	30.55	3	Vertical	91	1.49	15.33	27.40	3.15	-
AV	2.4246G	90.07	Inf	-Inf	30.72	3	Vertical	91	1.49	59.35	27.55	3.17	-
PK	2.39G	63.26	74.00	-10.74	30.55	3	Vertical	91	1.49	32.71	27.40	3.15	-
PK	2.4248G	103.60	Inf	-Inf	30.72	3	Vertical	91	1.49	72.88	27.55	3.17	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

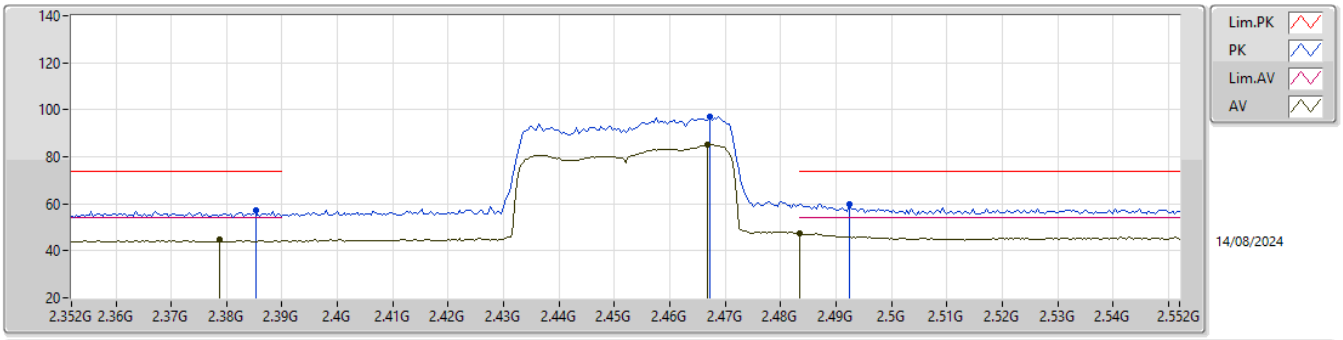
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.55	54.00	-1.45	30.55	3	Horizontal	154	1.11	22.00	27.40	3.15	-
AV	2.4248G	98.52	Inf	-Inf	30.72	3	Horizontal	154	1.11	67.80	27.55	3.17	-
PK	2.3898G	70.86	74.00	-3.14	30.55	3	Horizontal	154	1.11	40.31	27.40	3.15	-
PK	2.4238G	112.30	Inf	-Inf	30.71	3	Horizontal	154	1.11	81.59	27.54	3.17	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

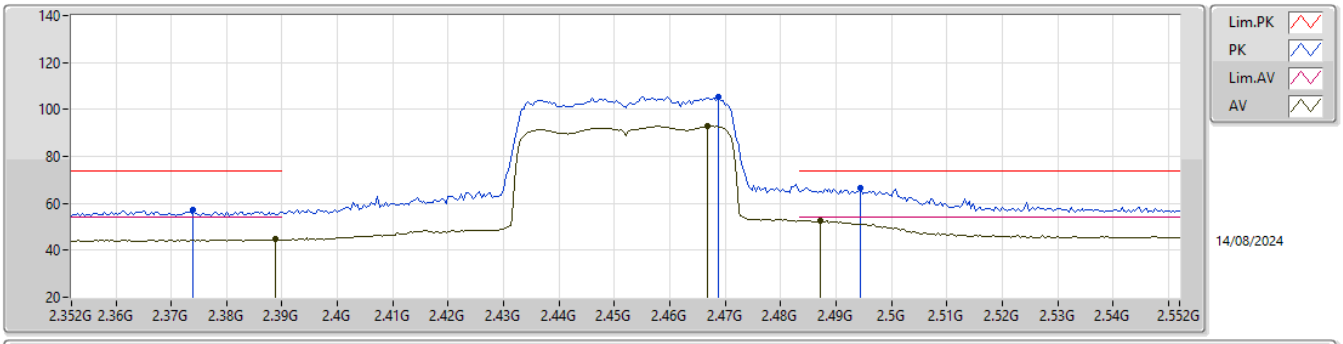
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3788G	44.60	54.00	-9.40	30.46	3	Vertical	99	2.71	14.14	27.31	3.15	-
AV	2.4668G	84.98	Inf	-Inf	30.97	3	Vertical	99	2.71	54.01	27.77	3.20	-
AV	2.4835G	47.32	54.00	-6.68	31.15	3	Vertical	99	2.71	16.17	27.94	3.21	-
PK	2.3852G	57.03	74.00	-16.97	30.50	3	Vertical	99	2.71	26.53	27.35	3.15	-
PK	2.4672G	97.19	Inf	-Inf	30.97	3	Vertical	99	2.71	66.22	27.77	3.20	-
PK	2.4924G	59.86	74.00	-14.14	31.19	3	Vertical	99	2.71	28.67	27.98	3.21	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

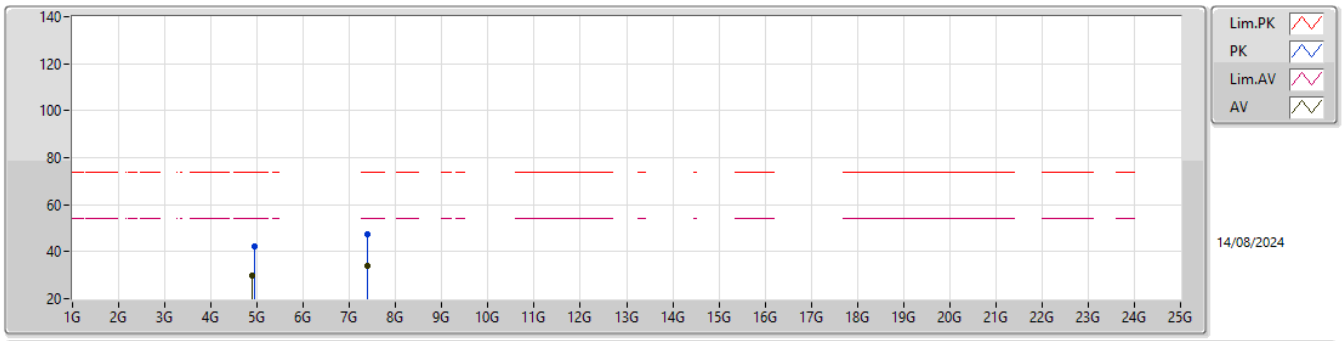
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3888G	44.67	54.00	-9.33	30.54	3	Horizontal	154	1.10	14.13	27.39	3.15	-
AV	2.4668G	93.10	Inf	-Inf	30.97	3	Horizontal	154	1.10	62.13	27.77	3.20	-
AV	2.4872G	52.66	54.00	-1.34	31.18	3	Horizontal	154	1.10	21.48	27.97	3.21	-
PK	2.374G	57.18	74.00	-16.82	30.50	3	Horizontal	154	1.10	26.68	27.36	3.14	-
PK	2.4688G	105.60	Inf	-Inf	30.99	3	Horizontal	154	1.10	74.61	27.79	3.20	-
PK	2.4944G	66.56	74.00	-7.44	31.17	3	Horizontal	154	1.10	35.39	27.96	3.21	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

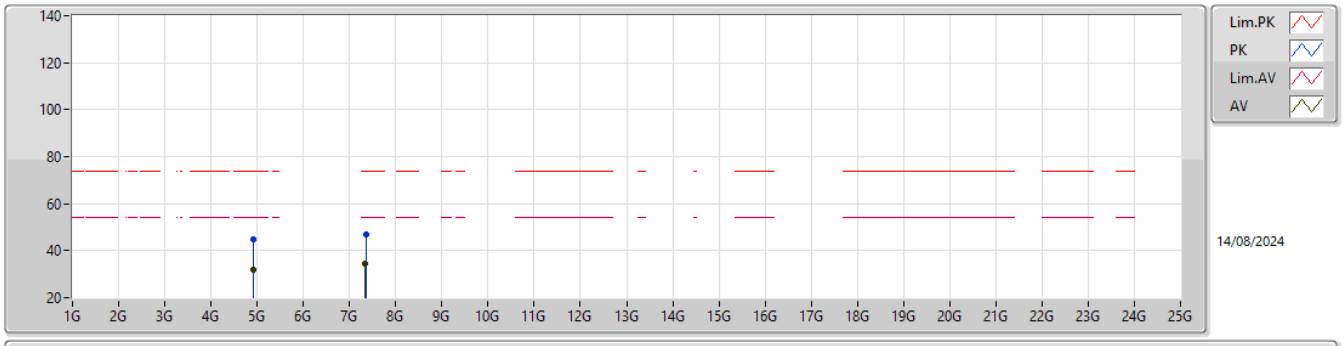
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.88804G	29.70	54.00	-24.30	-6.57	3	Vertical	180	1.50	36.27	32.85	4.63	44.05
AV	7.38228G	34.14	54.00	-19.86	-0.76	3	Vertical	98	1.50	34.90	36.81	6.08	43.65
PK	4.93244G	42.32	74.00	-31.68	-6.21	3	Vertical	180	1.50	48.53	33.16	4.67	44.04
PK	7.38528G	47.42	74.00	-26.58	-0.77	3	Vertical	98	1.50	48.19	36.79	6.08	43.64

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.90412G	32.07	54.00	-21.93	-6.47	3	Horizontal	179	1.44	38.54	32.93	4.65	44.05
AV	7.34292G	34.32	54.00	-19.68	-0.64	3	Horizontal	358	1.50	34.96	37.03	6.03	43.70
PK	4.90388G	44.96	74.00	-29.04	-6.47	3	Horizontal	179	1.44	51.43	32.93	4.65	44.05
PK	7.35624G	46.66	74.00	-27.34	-0.68	3	Horizontal	358	1.50	47.34	36.96	6.04	43.68

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 HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	Pass	AV	2.486G	46.89	54.00	-7.11	3	Horizontal	157	2.78
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX	Pass	AV	2.484G	46.98	54.00	-7.02	3	Horizontal	157	2.79

Result

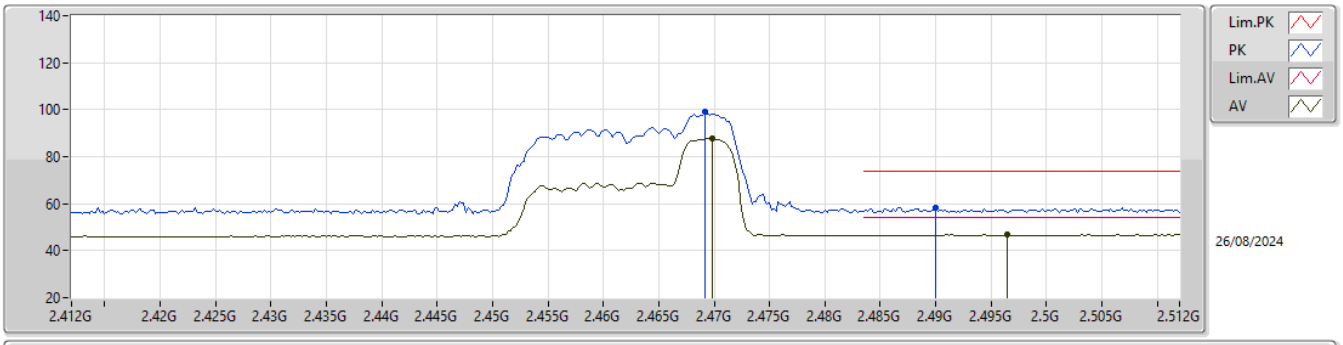
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389G	45.05	54.00	-8.95	3	Vertical	107	1.03
2412MHz	Pass	AV	2.4038G	91.38	Inf	-Inf	3	Vertical	107	1.03
2412MHz	Pass	PK	2.3748G	57.72	74.00	-16.28	3	Vertical	107	1.03
2412MHz	Pass	PK	2.403G	102.54	Inf	-Inf	3	Vertical	107	1.03
2412MHz	Pass	AV	2.3884G	45.07	54.00	-8.93	3	Horizontal	142	2.63
2412MHz	Pass	AV	2.4038G	93.75	Inf	-Inf	3	Horizontal	142	2.63
2412MHz	Pass	PK	2.3896G	57.74	74.00	-16.26	3	Horizontal	142	2.63
2412MHz	Pass	PK	2.4036G	105.05	Inf	-Inf	3	Horizontal	142	2.63
2412MHz	Pass	AV	4.8151G	31.61	54.00	-22.39	3	Vertical	90	1.07
2412MHz	Pass	PK	4.8122G	44.38	74.00	-29.62	3	Vertical	90	1.07
2412MHz	Pass	AV	4.8405G	31.83	54.00	-22.17	3	Horizontal	194	1.21
2412MHz	Pass	PK	4.8405G	44.55	74.00	-29.45	3	Horizontal	194	1.21
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3876G	45.98	54.00	-8.02	3	Vertical	109	1.03
2412MHz	Pass	AV	2.4044G	89.82	Inf	-Inf	3	Vertical	109	1.03
2412MHz	Pass	PK	2.3754G	58.37	74.00	-15.63	3	Vertical	109	1.03
2412MHz	Pass	PK	2.4042G	101.31	Inf	-Inf	3	Vertical	109	1.03
2412MHz	Pass	AV	2.3852G	45.99	54.00	-8.01	3	Horizontal	144	2.64
2412MHz	Pass	AV	2.4044G	92.62	Inf	-Inf	3	Horizontal	144	2.64
2412MHz	Pass	PK	2.3694G	57.77	74.00	-16.23	3	Horizontal	144	2.64
2412MHz	Pass	PK	2.4036G	103.79	Inf	-Inf	3	Horizontal	144	2.64
2412MHz	Pass	AV	4.8056G	32.42	54.00	-21.58	3	Vertical	94	1.23
2412MHz	Pass	PK	4.8091G	44.60	74.00	-29.40	3	Vertical	94	1.23
2412MHz	Pass	AV	4.8242G	32.47	54.00	-21.53	3	Horizontal	197	2.15
2412MHz	Pass	PK	4.8226G	44.60	74.00	-29.40	3	Horizontal	197	2.15
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3894G	45.97	54.00	-8.03	3	Vertical	108	1.01
2412MHz	Pass	AV	2.4044G	89.13	Inf	-Inf	3	Vertical	108	1.01
2412MHz	Pass	PK	2.3892G	57.60	74.00	-16.40	3	Vertical	108	1.01
2412MHz	Pass	PK	2.4042G	100.56	Inf	-Inf	3	Vertical	108	1.01
2412MHz	Pass	AV	2.3896G	46.23	54.00	-7.77	3	Horizontal	144	2.62
2412MHz	Pass	AV	2.4042G	92.20	Inf	-Inf	3	Horizontal	144	2.62
2412MHz	Pass	PK	2.39G	59.93	74.00	-14.07	3	Horizontal	144	2.62
2412MHz	Pass	PK	2.4042G	103.53	Inf	-Inf	3	Horizontal	144	2.62
2412MHz	Pass	AV	4.8124G	32.79	54.00	-21.21	3	Vertical	93	2.99
2412MHz	Pass	PK	4.812G	45.09	74.00	-28.91	3	Vertical	93	2.99
2412MHz	Pass	AV	4.8143G	33.26	54.00	-20.74	3	Horizontal	191	2.93
2412MHz	Pass	PK	4.8153G	44.85	74.00	-29.15	3	Horizontal	191	2.93
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX	-	-	-	-	-	-	-	-	-	-
2462MHz	Pass	AV	2.4702G	88.08	Inf	-Inf	3	Vertical	144	1.00
2462MHz	Pass	AV	2.4946G	45.79	54.00	-8.21	3	Vertical	144	1.00
2462MHz	Pass	PK	2.47G	99.66	Inf	-Inf	3	Vertical	144	1.00
2462MHz	Pass	PK	2.4864G	58.35	74.00	-15.65	3	Vertical	144	1.00
2462MHz	Pass	AV	2.4702G	94.21	Inf	-Inf	3	Horizontal	158	2.72
2462MHz	Pass	AV	2.4864G	45.84	54.00	-8.16	3	Horizontal	158	2.72
2462MHz	Pass	PK	2.471G	105.36	Inf	-Inf	3	Horizontal	158	2.72
2462MHz	Pass	PK	2.4918G	58.46	74.00	-15.54	3	Horizontal	158	2.72
2462MHz	Pass	AV	4.9408G	31.92	54.00	-22.08	3	Vertical	157	1.61
2462MHz	Pass	AV	7.3611G	36.57	54.00	-17.43	3	Vertical	38	1.50
2462MHz	Pass	PK	4.9154G	45.06	74.00	-28.94	3	Vertical	157	1.61
2462MHz	Pass	PK	7.3881G	49.56	74.00	-24.44	3	Vertical	38	1.50
2462MHz	Pass	AV	4.9405G	31.77	54.00	-22.23	3	Horizontal	233	2.64
2462MHz	Pass	AV	7.3914G	36.56	54.00	-17.44	3	Horizontal	33	1.50
2462MHz	Pass	PK	4.9273G	44.10	74.00	-29.90	3	Horizontal	233	2.64
2462MHz	Pass	PK	7.388G	49.17	74.00	-24.83	3	Horizontal	33	1.50
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX	-	-	-	-	-	-	-	-	-	-
2462MHz	Pass	AV	2.4698G	87.64	Inf	-Inf	3	Vertical	140	1.01
2462MHz	Pass	AV	2.4964G	46.74	54.00	-7.26	3	Vertical	140	1.01
2462MHz	Pass	PK	2.4692G	99.23	Inf	-Inf	3	Vertical	140	1.01
2462MHz	Pass	PK	2.49G	58.32	74.00	-15.68	3	Vertical	140	1.01

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	2.4696G	94.10	Inf	-Inf	3	Horizontal	157	2.78
2462MHz	Pass	AV	2.486G	46.89	54.00	-7.11	3	Horizontal	157	2.78
2462MHz	Pass	PK	2.4702G	104.97	Inf	-Inf	3	Horizontal	157	2.78
2462MHz	Pass	PK	2.4914G	58.49	74.00	-15.51	3	Horizontal	157	2.78
2462MHz	Pass	AV	4.9393G	32.99	54.00	-21.01	3	Vertical	153	2.35
2462MHz	Pass	AV	7.3857G	37.23	54.00	-16.77	3	Vertical	61	2.07
2462MHz	Pass	PK	4.9209G	44.63	74.00	-29.37	3	Vertical	153	2.35
2462MHz	Pass	PK	7.3806G	49.46	74.00	-24.54	3	Vertical	61	2.07
2462MHz	Pass	AV	4.9395G	32.69	54.00	-21.31	3	Horizontal	192	3.00
2462MHz	Pass	AV	7.361G	37.35	54.00	-16.65	3	Horizontal	248	1.50
2462MHz	Pass	PK	4.9332G	44.50	74.00	-29.50	3	Horizontal	192	3.00
2462MHz	Pass	PK	7.3965G	49.91	74.00	-24.09	3	Horizontal	248	1.50
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX	-	-	-	-	-	-	-	-	-	-
2462MHz	Pass	AV	2.4646G	87.35	Inf	-Inf	3	Vertical	140	1.01
2462MHz	Pass	AV	2.4912G	46.81	54.00	-7.19	3	Vertical	140	1.01
2462MHz	Pass	PK	2.464G	99.26	Inf	-Inf	3	Vertical	140	1.01
2462MHz	Pass	PK	2.4886G	59.60	74.00	-14.40	3	Vertical	140	1.01
2462MHz	Pass	AV	2.4646G	93.72	Inf	-Inf	3	Horizontal	157	2.80
2462MHz	Pass	AV	2.4836G	46.87	54.00	-7.13	3	Horizontal	157	2.80
2462MHz	Pass	PK	2.4642G	105.07	Inf	-Inf	3	Horizontal	157	2.80
2462MHz	Pass	PK	2.4836G	60.91	74.00	-13.09	3	Horizontal	157	2.80
2462MHz	Pass	AV	4.9402G	32.70	54.00	-21.30	3	Vertical	158	1.50
2462MHz	Pass	AV	7.3656G	37.25	54.00	-16.75	3	Vertical	245	1.77
2462MHz	Pass	PK	4.9456G	45.25	74.00	-28.75	3	Vertical	158	1.50
2462MHz	Pass	PK	7.4077G	49.37	74.00	-24.63	3	Vertical	245	1.77
2462MHz	Pass	AV	4.935G	32.75	54.00	-21.25	3	Horizontal	37	1.50
2462MHz	Pass	AV	7.4001G	37.28	54.00	-16.72	3	Horizontal	338	1.50
2462MHz	Pass	PK	4.9378G	45.21	74.00	-28.79	3	Horizontal	37	1.50
2462MHz	Pass	PK	7.3926G	49.31	74.00	-24.69	3	Horizontal	338	1.50
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3656G	46.03	54.00	-7.97	3	Vertical	108	1.04
2422MHz	Pass	AV	2.4064G	85.33	Inf	-Inf	3	Vertical	108	1.04
2422MHz	Pass	AV	2.49G	46.65	54.00	-7.35	3	Vertical	108	1.04
2422MHz	Pass	PK	2.3768G	58.19	74.00	-15.81	3	Vertical	108	1.04
2422MHz	Pass	PK	2.4064G	96.48	Inf	-Inf	3	Vertical	108	1.04
2422MHz	Pass	PK	2.5G	58.58	74.00	-15.42	3	Vertical	108	1.04
2422MHz	Pass	AV	2.3892G	46.18	54.00	-7.82	3	Horizontal	143	2.64
2422MHz	Pass	AV	2.4068G	88.18	Inf	-Inf	3	Horizontal	143	2.64
2422MHz	Pass	AV	2.4976G	46.67	54.00	-7.33	3	Horizontal	143	2.64
2422MHz	Pass	PK	2.364G	58.37	74.00	-15.63	3	Horizontal	143	2.64
2422MHz	Pass	PK	2.4072G	99.55	Inf	-Inf	3	Horizontal	143	2.64
2422MHz	Pass	PK	2.496G	58.44	74.00	-15.56	3	Horizontal	143	2.64
2422MHz	Pass	AV	4.82336G	32.46	54.00	-21.54	3	Vertical	97	2.79
2422MHz	Pass	AV	7.28005G	37.85	54.00	-16.15	3	Vertical	20	1.49
2422MHz	Pass	PK	4.8254G	44.54	74.00	-29.46	3	Vertical	97	2.79
2422MHz	Pass	PK	7.276G	49.64	74.00	-24.36	3	Vertical	20	1.49
2422MHz	Pass	AV	4.8246G	32.57	54.00	-21.43	3	Horizontal	196	1.00
2422MHz	Pass	AV	7.28496G	37.61	54.00	-16.39	3	Horizontal	286	1.50
2422MHz	Pass	PK	4.841G	45.28	74.00	-28.72	3	Horizontal	196	1.00
2422MHz	Pass	PK	7.26184G	49.31	74.00	-24.69	3	Horizontal	286	1.50
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX	-	-	-	-	-	-	-	-	-	-
2452MHz	Pass	AV	2.352G	45.96	54.00	-8.04	3	Vertical	159	1.00
2452MHz	Pass	AV	2.4676G	84.98	Inf	-Inf	3	Vertical	159	1.00
2452MHz	Pass	AV	2.494G	46.71	54.00	-7.29	3	Vertical	159	1.00
2452MHz	Pass	PK	2.3816G	57.41	74.00	-16.59	3	Vertical	159	1.00
2452MHz	Pass	PK	2.4588G	96.89	Inf	-Inf	3	Vertical	159	1.00
2452MHz	Pass	PK	2.4944G	58.17	74.00	-15.83	3	Vertical	159	1.00
2452MHz	Pass	AV	2.3552G	45.92	54.00	-8.08	3	Horizontal	157	2.79
2452MHz	Pass	AV	2.4676G	88.53	Inf	-Inf	3	Horizontal	157	2.79
2452MHz	Pass	AV	2.484G	46.98	54.00	-7.02	3	Horizontal	157	2.79
2452MHz	Pass	PK	2.376G	58.01	74.00	-15.99	3	Horizontal	157	2.79
2452MHz	Pass	PK	2.4656G	100.53	Inf	-Inf	3	Horizontal	157	2.79

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2452MHz	Pass	PK	2.484G	59.01	74.00	-14.99	3	Horizontal	157	2.79
2452MHz	Pass	AV	4.91728G	32.69	54.00	-21.31	3	Vertical	158	1.42
2452MHz	Pass	AV	7.3184G	37.62	54.00	-16.38	3	Vertical	352	1.50
2452MHz	Pass	PK	4.92064G	44.69	74.00	-29.31	3	Vertical	158	1.42
2452MHz	Pass	PK	7.31976G	49.37	74.00	-24.63	3	Vertical	352	1.50
2452MHz	Pass	AV	4.91624G	32.36	54.00	-21.64	3	Horizontal	183	1.08
2452MHz	Pass	AV	7.332G	37.41	54.00	-16.59	3	Horizontal	58	1.50
2452MHz	Pass	PK	4.9046G	44.18	74.00	-29.82	3	Horizontal	183	1.08
2452MHz	Pass	PK	7.34736G	49.68	74.00	-24.32	3	Horizontal	58	1.50

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX

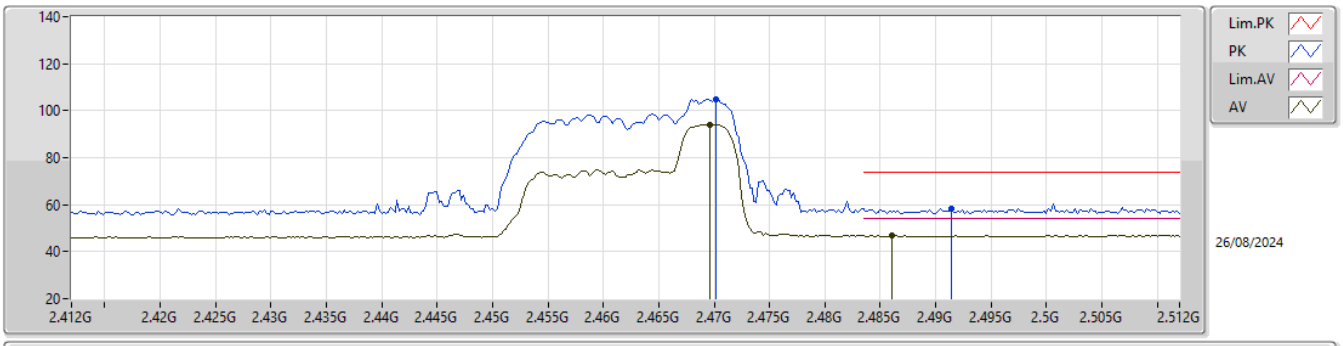
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.4698G	87.64	Inf	-Inf	32.36	3	Vertical	140	1.01	55.28	27.70	4.66	-
AV	2.4964G	46.74	54.00	-7.26	32.58	3	Vertical	140	1.01	14.16	27.90	4.68	-
PK	2.4692G	99.23	Inf	-Inf	32.35	3	Vertical	140	1.01	66.88	27.69	4.66	-
PK	2.49G	58.32	74.00	-15.68	32.57	3	Vertical	140	1.01	25.75	27.90	4.67	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX

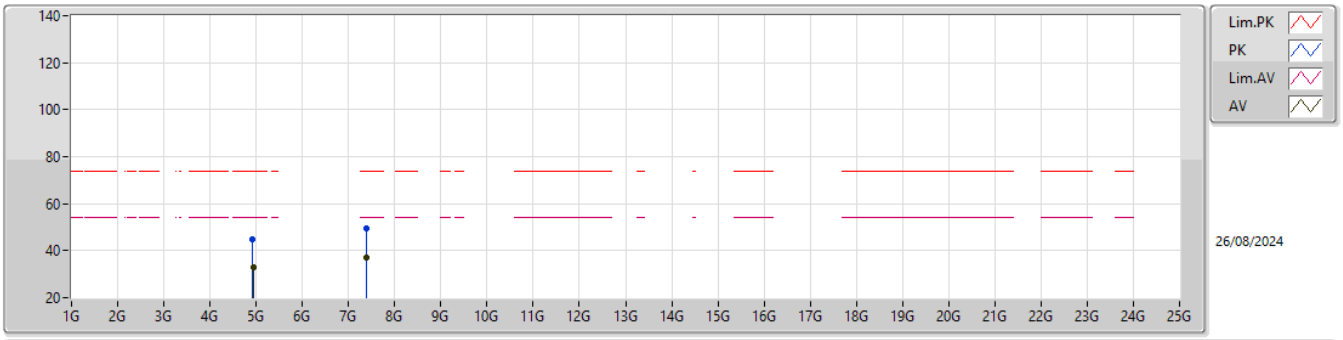
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.4696G	94.10	Inf	-Inf	32.36	3	Horizontal	157	2.78	61.74	27.70	4.66	-
AV	2.486G	46.89	54.00	-7.11	32.57	3	Horizontal	157	2.78	14.32	27.90	4.67	-
PK	2.4702G	104.97	Inf	-Inf	32.36	3	Horizontal	157	2.78	72.61	27.70	4.66	-
PK	2.4914G	58.49	74.00	-15.51	32.57	3	Horizontal	157	2.78	25.92	27.90	4.67	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX

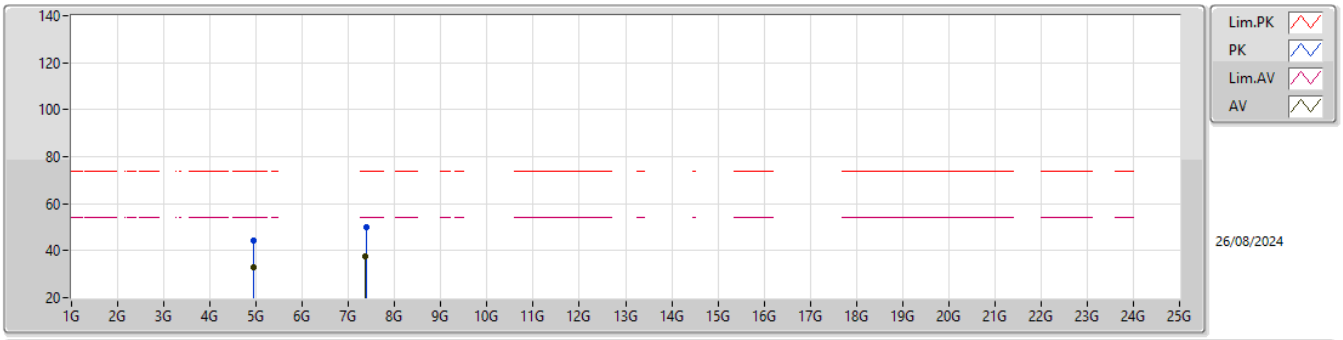
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.9393G	32.99	54.00	-21.01	-5.72	3	Vertical	153	2.35	38.71	33.04	6.99	45.75
AV	7.3857G	37.23	54.00	-16.77	-0.29	3	Vertical	61	2.07	37.52	36.79	8.09	45.17
PK	4.9209G	44.63	74.00	-29.37	-5.85	3	Vertical	153	2.35	50.48	32.93	6.98	45.76
PK	7.3806G	49.46	74.00	-24.54	-0.27	3	Vertical	61	2.07	49.73	36.82	8.09	45.18

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX

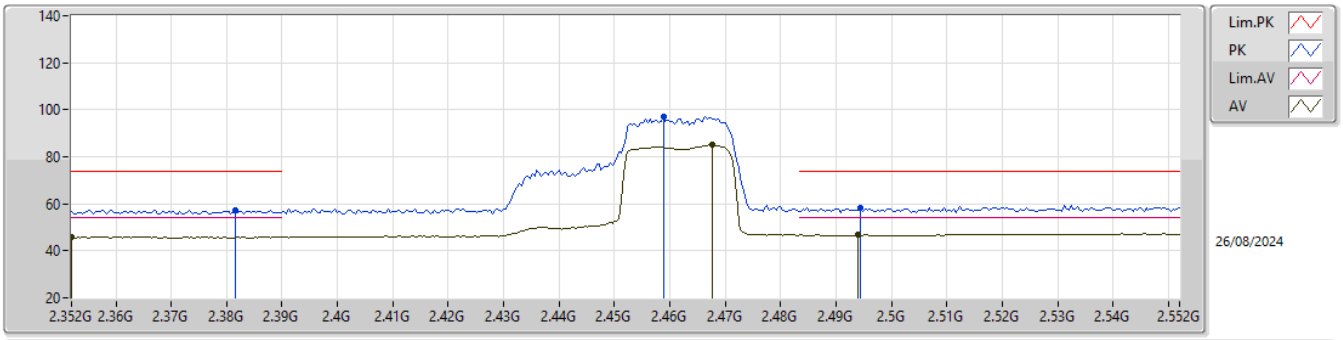
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.9395G	32.69	54.00	-21.31	-5.72	3	Horizontal	192	3.00	38.41	33.04	6.99	45.75
AV	7.361G	37.35	54.00	-16.65	-0.20	3	Horizontal	248	1.50	37.55	36.93	8.08	45.21
PK	4.9332G	44.50	74.00	-29.50	-5.78	3	Horizontal	192	3.00	50.28	33.00	6.98	45.76
PK	7.3965G	49.91	74.00	-24.09	-0.34	3	Horizontal	248	1.50	50.25	36.72	8.10	45.16

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX

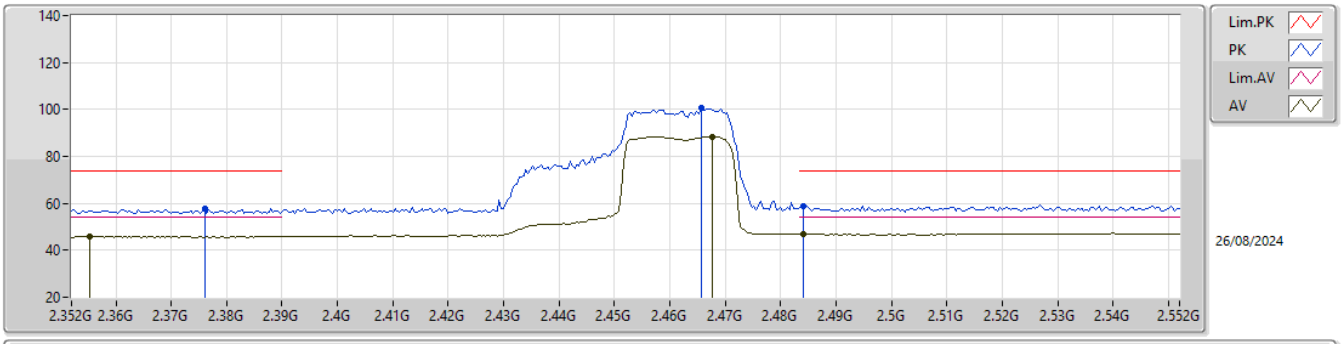
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.352G	45.96	54.00	-8.04	31.94	3	Vertical	159	1.00	14.02	27.40	4.54	-
AV	2.4676G	84.98	Inf	-Inf	32.33	3	Vertical	159	1.00	52.65	27.68	4.65	-
AV	2.494G	46.71	54.00	-7.29	32.58	3	Vertical	159	1.00	14.13	27.90	4.68	-
PK	2.3816G	57.41	74.00	-16.59	31.90	3	Vertical	159	1.00	25.51	27.32	4.58	-
PK	2.4588G	96.89	Inf	-Inf	32.25	3	Vertical	159	1.00	64.64	27.60	4.65	-
PK	2.4944G	58.17	74.00	-15.83	32.58	3	Vertical	159	1.00	25.59	27.90	4.68	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX

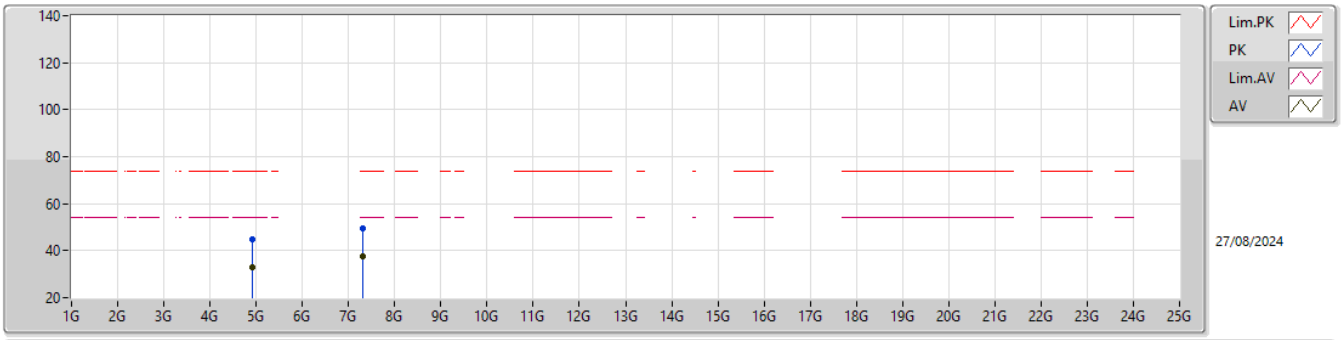
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3552G	45.92	54.00	-8.08	31.95	3	Horizontal	157	2.79	13.97	27.40	4.55	-
AV	2.4676G	88.53	Inf	-Inf	32.33	3	Horizontal	157	2.79	56.20	27.68	4.65	-
AV	2.484G	46.98	54.00	-7.02	32.57	3	Horizontal	157	2.79	14.41	27.90	4.67	-
PK	2.376G	58.01	74.00	-15.99	31.87	3	Horizontal	157	2.79	26.14	27.30	4.57	-
PK	2.4656G	100.53	Inf	-Inf	32.31	3	Horizontal	157	2.79	68.22	27.66	4.65	-
PK	2.484G	59.01	74.00	-14.99	32.57	3	Horizontal	157	2.79	26.44	27.90	4.67	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX

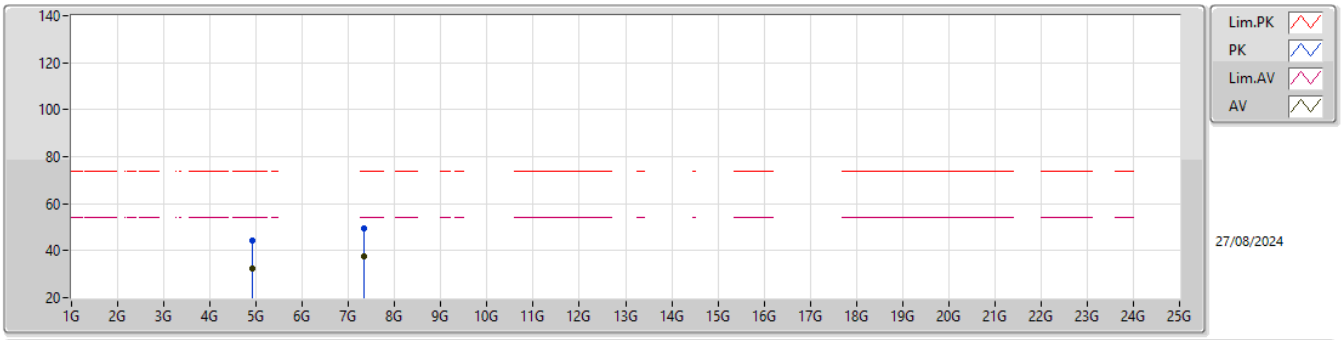
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.91728G	32.69	54.00	-21.31	-5.89	3	Vertical	158	1.42	38.58	32.90	6.97	45.76
AV	7.3184G	37.62	54.00	-16.38	-0.16	3	Vertical	352	1.50	37.78	37.06	8.05	45.27
PK	4.92064G	44.69	74.00	-29.31	-5.86	3	Vertical	158	1.42	50.55	32.92	6.98	45.76
PK	7.31976G	49.37	74.00	-24.63	-0.16	3	Vertical	352	1.50	49.53	37.06	8.05	45.27

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX

2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.91624G	32.36	54.00	-21.64	-5.89	3	Horizontal	183	1.08	38.25	32.90	6.97	45.76
AV	7.332G	37.41	54.00	-16.59	-0.15	3	Horizontal	58	1.50	37.56	37.04	8.06	45.25
PK	4.9046G	44.18	74.00	-29.82	-5.96	3	Horizontal	183	1.08	50.14	32.83	6.97	45.76
PK	7.34736G	49.68	74.00	-24.32	-0.15	3	Horizontal	58	1.50	49.83	37.01	8.07	45.23