Testing Laboratory 3785

FCC Radio Test Report

FCC ID	:	**UDX-600215010**
Equipment	:	**Cisco Wireless 9172H Series Wi-Fi 7 Access Point**
Brand Name	:	**CISCO**
Model Name	:	**CW9172H**
Applicant	:	**Cisco Systems, Inc. 170 West Tasman Drive, San Jose, CA 95134 USA**
Manufacturer	:	**Cisco Systems, Inc. 170 West Tasman Drive, San Jose, CA 95134 USA**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Oct. 30, 2024, and testing was started from Nov. 19, 2024 and completed on Dec. 06, 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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History of this test report

Report No.	Version	Description	Issued Date
FR481514-01AC	01	Initial issue of report	Feb. 25, 2025

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and explanations:
The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Barry Hsiao

Report Producer: Debby Hung

1 General Description

1.1 Information

Radio 3 (Scan radio) is only RX function.

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), be(EHT20)	2412-2462	1-11 [11]

Non-Beamforming_Radio 1_1T1S

Band	Mode	BWch	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11be EHT20	20	1TX

Non-Beamforming_Radio 1_2T2S

Band	Mode	BWch	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11be EHT20	20	2TX

Beamforming

Band	Mode	BWch	Nant
2.4-2.4835GHz	802.11be EHT20-BF	20	2TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- EHT20 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM ，4096QAM modulation.
- BWch is the nominal channel bandwidth.
- Evaluated EHT20 mode only due to the similar modulation. The power setting of HT20/ VHT20/ HEW20 mode are the same or lower than EHT20.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Sercomm	61720064WA	PIFA	I-Pex	2.4G	Radio1
					5G	Radio 2
2	Sercomm	61720065WA	PIFA	I-Pex	2.4G	Radio1
					5G	Radio 2
3	Sercomm	61720062WA	PIFA	I-Pex	6G	Radio 2
4	Sercomm	61720063WA	PIFA	I-Pex	6G	Radio 2
5	Sercomm	61720067WA	PIFA	I-Pex	2.4G/5G/6G	Radio 3
6	Sercomm	61720066WA	PIFA	I-Pex	BT	BT

Ant.	Port	Gain (dBi)									
		2.4G	5G				6G				BT
			UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	
1	1	2.68	4.35	5.91	5.86	5	-	-	-	-	-
2	2	2.04	3.5	3.74	5.92	4.6	-	-	-	-	-
3	1	-	-	-	-	-	5.04	4.33	4.45	4.49	-
4	2	-	-	-	-	-	2.88	2.88	3.11	2.92	-
5	1	1.05	4.02	4.78	3.61	2.68	3.33	2.51	1.64	1.01	-
6	1	-	-	-	-	-	-	-	-	-	4.57

Composite Gain (dBi)										
Ant.	Wi-Fi Mode	2.4G	5G				6G			
		Radio 1	Radio 2				Radio 2			
			UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
1-2	DG [1SS]	2.86	6.34	6.89	7.56	6.98	-	-	-	-
	DG [2SS]	2.68	4.35	5.91	5.92	5	-	-	-	-
3-4	DG [1SS]	-	-	-	-	-	5.27	5.41	6.31	6.38
	DG [2SS]	-	-	-	-	-	5.04	4.33	4.45	4.49

Note 1: The EUT has six antennas.
Note 2: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP481514-01.

For 2.4GHz function:
For IEEE 802.11 b/g/n/VHT/ax/be mode (1TX/1RX) (Radio 1)
Ant. 1 (port 1) could transmit/receive.
For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Radio 1)
Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.
For IEEE 802.11 b/g/n/VHT/ax mode (1RX) (Radio 3)
Ant. 5 (port 1) could receive.

For 5GHz function:
For IEEE 802.11 a/n/ac/ax/be mode (1TX/1RX) (Radio 2)
Ant. 1 (port 1) could transmit/receive.
For IEEE 802.11 a/n/ac/ax/be mode (2TX/2RX) (Radio 2)
Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.
For IEEE 802.11 a/n/ac/ax mode (1RX) (Radio 3)
Ant. 5 (port 1) could receive.

For BT function:
For IEEE 802.15.1 Bluetooth mode (1TX/1RX)
Ant. 6 (port 1) could transmit/receive.

For 6GHz function:
For IEEE 802.11 ax/be mode (1TX/1RX) (Radio 2)
Ant. 3 (port 1) could transmit/receive.
For IEEE 802.11 ax/be mode (2TX/2RX) (Radio 2)
Ant. 3 (port 1) and Ant. 4 (port 2) could transmit/receive simultaneously.
For IEEE 802.11 ax mode (1RX) (Radio 3)
Ant. 5 (port 1) could receive.

1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

Non-Beamforming_Radio 1_1T1S

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	0.993	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_1TX	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)

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

Non-Beamforming_Radio 1_2TX

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_2TX	0.999	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.993	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)

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

Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20-BF_Nss1,(MCS0)_2TX	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.2 Testing Applied Standards

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

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

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

- KDB 558074 D01 v05r02
- KDB 662911 D01 v02r01
- KDB 662911 D03 v01
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory					
☒	Hsinhua **(TAF:** 3785**)**	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
		TEL: 886-3-327-3456	**FAX:** 886-3-327-0973		
		Test site Designation No. TW3785 with FCC.			
Test Condition		**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
AC Conduction		CO04-HY	Lego Lin	22.1~23.6°C / 53~58%	06/Dec/2024
RF Conducted		TH07-HY	Alan Chien	22.7~23.2°C / 48~53%	02/Dec/2024
Radiated		03CH02-HY	Daniel Lin	20.4~21.5°C / 52~56%	19/Nov/2024~23/Nov/2024
Radiated (Co-location)		03CH02-HY	Daniel Lin	19.8~21.2°C / 51~54%	05/Dec/2024
☐	Wen 33rd.St. **(TAF:** 3785**)**	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
		TEL: 886-3-318-0787			
		Test site Designation No. TW0008 with FCC.			

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	qdart_conn.win.1.0_installer_00099.1

Non-Beamforming_Radio 1_1T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	22
2437MHz	22
2462MHz	22
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	22
2437MHz	22
2457MHz	22
2462MHz	21
802.11be EHT20_Nss1,(MCS0)_1TX	-
2412MHz	21.5
2417MHz	21.5
2437MHz	22
2457MHz	21.5
2462MHz	20

Non-Beamforming_Radio 1_2T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	22
2437MHz	22
2462MHz	22
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	21.5
2417MHz	22
2437MHz	22
2457MHz	20.5
2462MHz	20
802.11be EHT20_Nss1,(MCS0)_2TX	-
2412MHz	21
2417MHz	21.5
2437MHz	22
2457MHz	20.5
2462MHz	18.5

Beamforming

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	21
2417MHz	21.5
2437MHz	22
2457MHz	20.5
2462MHz	18.5

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	PoE 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	PoE mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT		V (R1-2T1S)	V (R1-1T1S)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 1:WLAN 2.4G+Radio 2: WLAN 5G+ Radio 2: WLAN 6G+ Bluetooth
Refer to Sporton Test Report No.: FA481514-01 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
Bracket wall mount	Brand Name	Cisco	Model Name	CW-MNT-H1
RJ45 Cable (main source)	Brand Name	TUNG-LI	Model Name	5U422WC880L0B/D065MM-1
	Category	Cat5e	In/Out door	Indoor
	Signal Line	0.05meter,non-shielded cable		
RJ45 Cable (2nd source)	Brand Name	NIEN-YI	Model Name	NYS6142
	Category	Cat5e	In/Out door	Indoor
	Signal Line	0.05meter,non-shielded cable		

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

2.4 Support Equipment

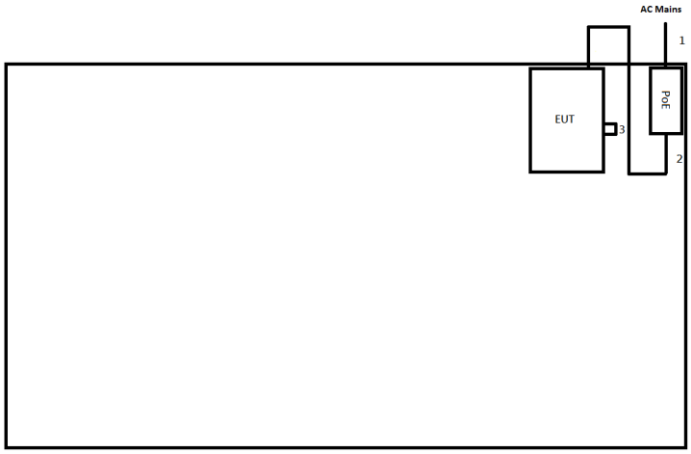
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	RJ-45 Cable	Power sync	CAT-6E-03	-	-
2	AC power cable	Power sync	PW-GPC180-3	-	-
3	PoE	PHIHONG	POE60U-BTA(X664-R)	-	Provided by Customer

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

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	RJ-45 Cable	Power sync	CAT-6E-03	-	Remote
2	AC power cable	Power sync	PW-GPC180-3	-	Remote
3	PoE	PHIHONG	POE60U-BTA(X664-R)	-	Provided by Customer

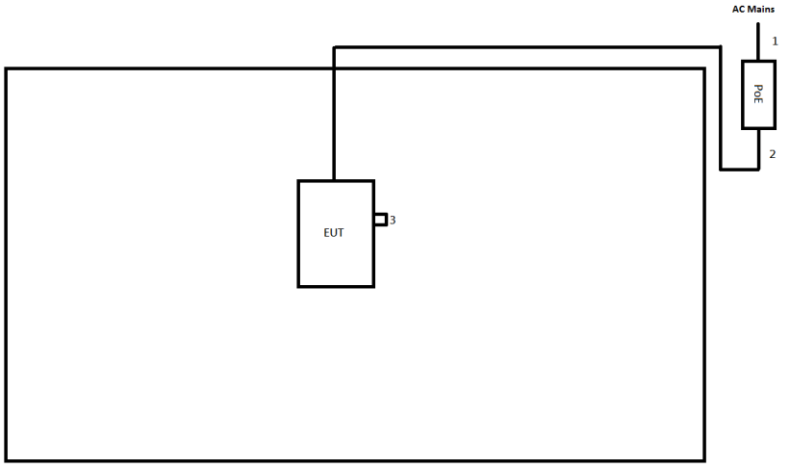
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC power cable	No	1.8	-
2	RJ-45 Cable	No	3.0	-
3	RJ-45 Cable	No	0.05	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC power cable	No	1.8	-
2	RJ-45 Cable	No	3.0	-
3	RJ-45 Cable	No	0.05	-

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

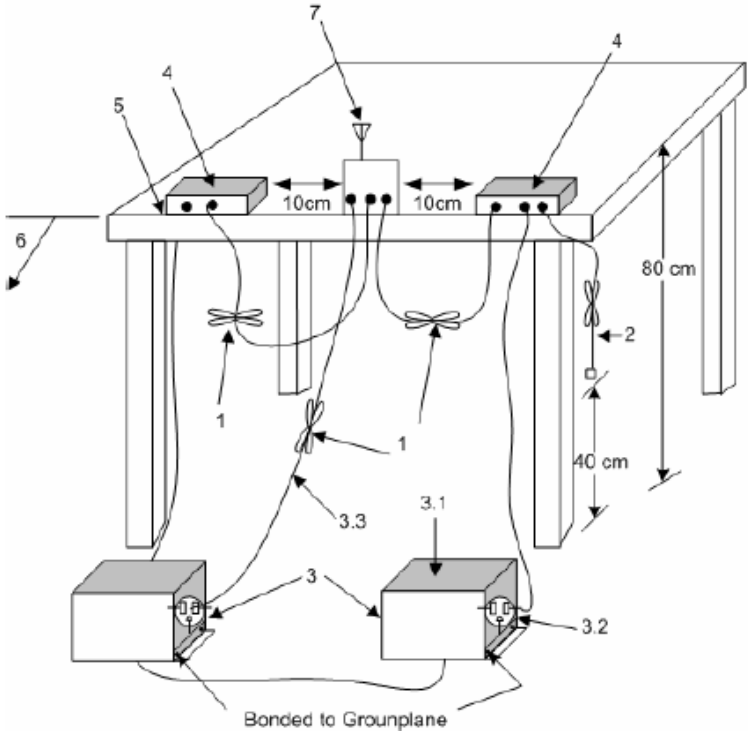
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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 50Ωloads. 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.

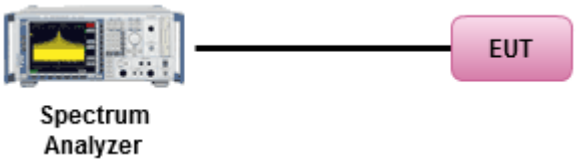
3.2.2 Measuring Instruments

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} ≤ 6 dBi, then P_{Out} ≤ 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 + 8dB dBm
e.i.r.p. Power Limit:		
▪ 2400-2483.5 MHz Band		
	▪ Point-to-multipoint systems (P2M): P_{eirp} ≤ 36 dBm (4 W)	
	▪ Point-to-point systems (P2P): P_{eirp} ≤ MAX(36, [P_{Out} + G_{TX}]) dBm	
	▪ Smart antenna system (SAS)	
		- Single beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm
		- Overlap beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm
		- Aggregate power on all beams: P_{eirp} ≤ 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

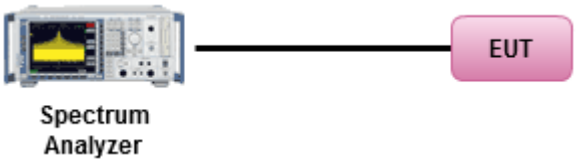
3.4.2 Measuring Instruments

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.	

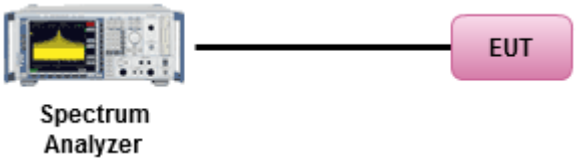
3.5.2 Measuring Instruments

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.

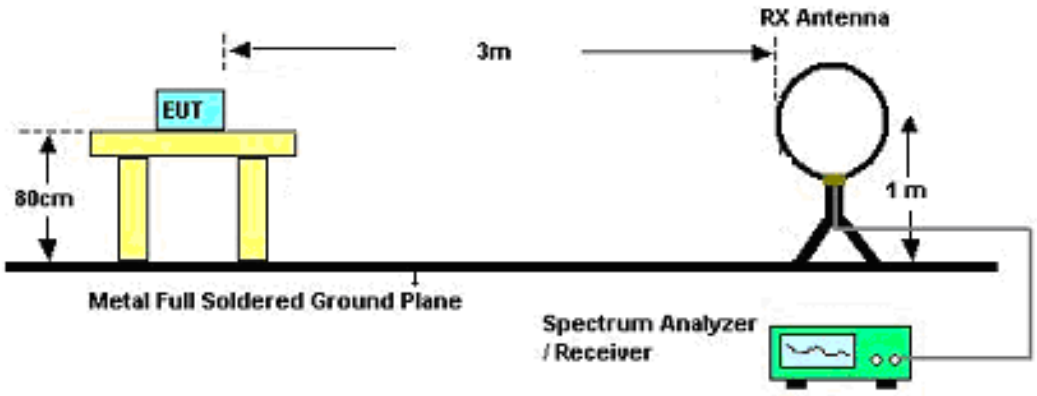
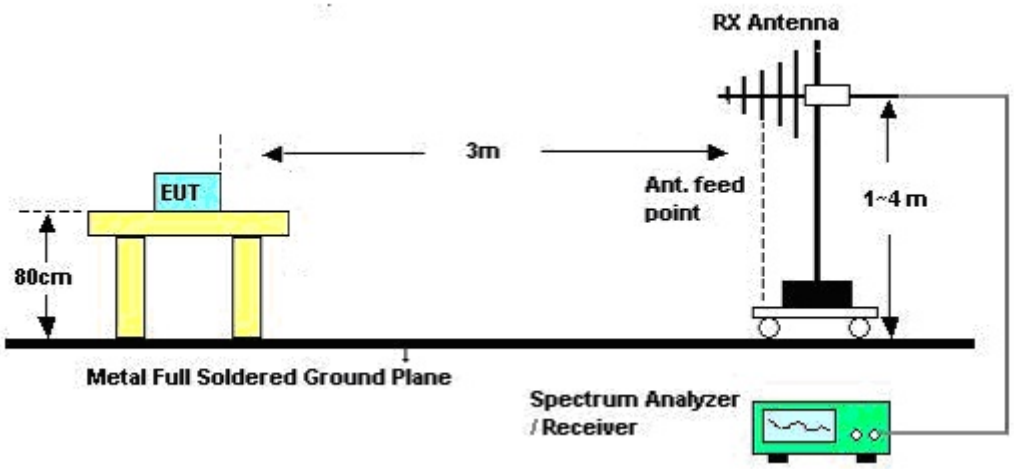
3.6.3 Test Procedures

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.

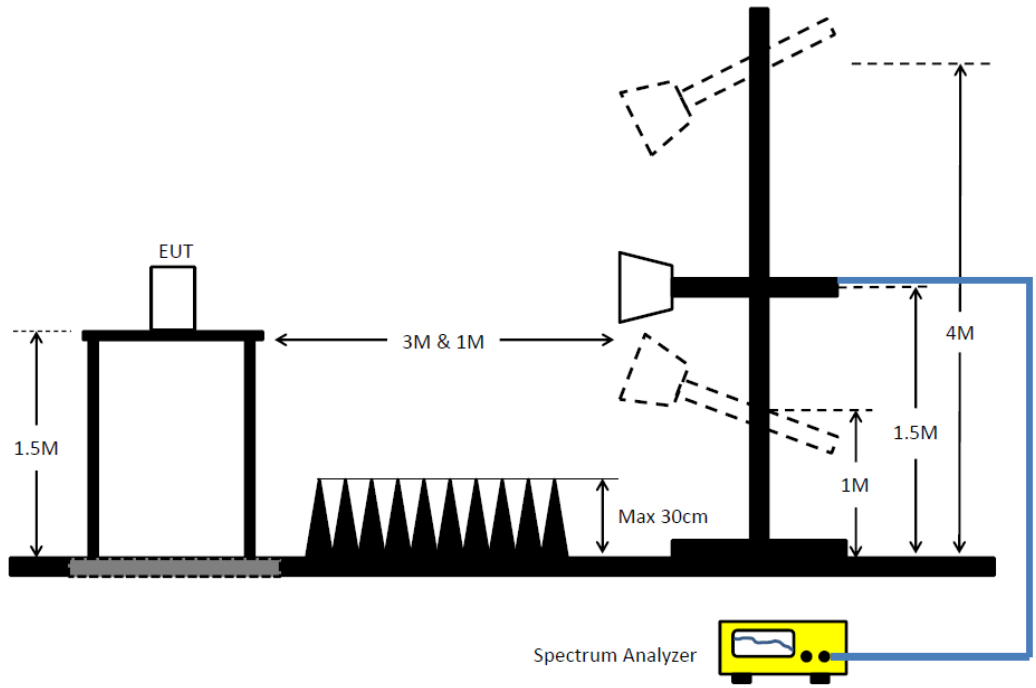
3.6.4 Measurement Results Calculation

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	17/Oct/2024	16/Oct/2025
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	9kHz~40GHz	02/Feb/2024	01/Feb/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	15/Dec/2023	14/Dec/2024
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	15/Dec/2023	14/Dec/2024
SENSE-15247_DTS	Sporton	V5.11.20	N/A	N/A	N/A	N/A

Instrument for Radiated Test_Co-location

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Site V.S.W.R	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3M	14/Jul/2024	13/Jul/2025
Signal Analyzer	R&S	FSP 40	100593	9kHz~40GHz	11/Mar/2024	10/Mar/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	15/Feb/2024	14/Feb/2025
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	19/Apr/2024	18/Apr/2025
SENSE-EMI	Sporton	V5.11.9	NA	NA	NA	NA

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	14/Jul/2024	13/Jul/2025
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	14/Jul/2024	13/Jul/2025
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	03/May/2024	02/May/2025
Signal Analyzer	R&S	FSP 40	100593	9kHz~40GHz	11/Mar/2024	10/Mar/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723/2	30MHz~1GHz	26/Aug/2024	25/Aug/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	9kHz~30MHz	19/Dec/2023	18/Dec/2024
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	30MHz~1GHz	19/Dec/2023	18/Dec/2024
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	15/Feb/2024	14/Feb/2025
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2024	28/Jun/2025
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	19/Apr/2024	18/Apr/2025
SENSE-15247-DTS	Sporton	V5.11.20	N/A	N/A	N/A	N/A

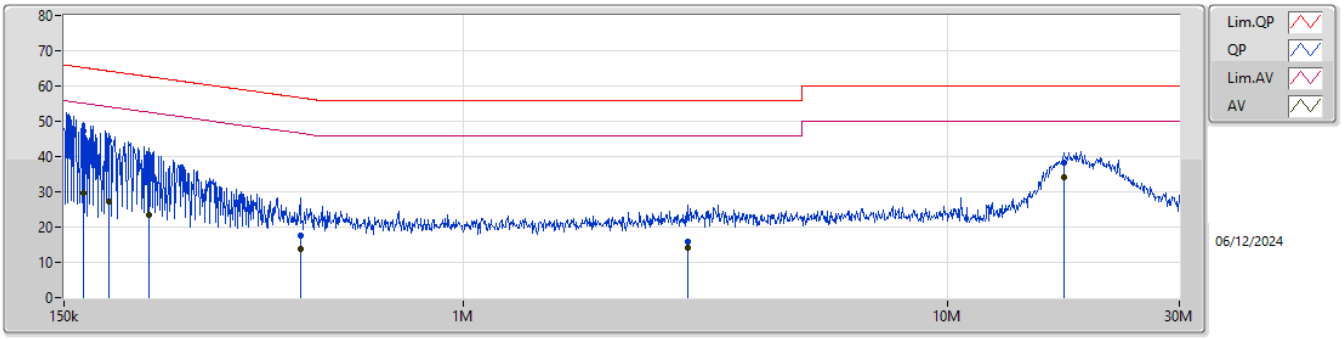
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	17.346M	34.26	50.00	-15.74	Neutral

Result

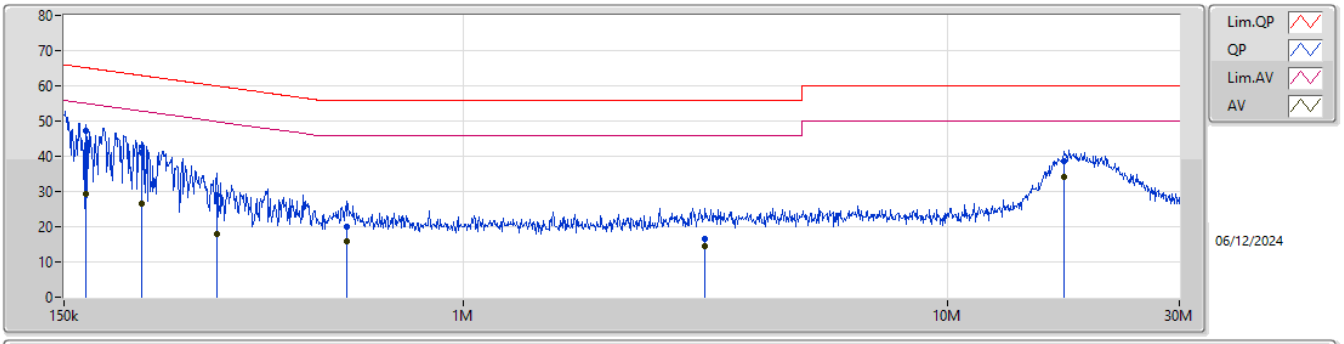
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	164.425k	47.39	65.24	-17.85	Line
Mode 1	Pass	AV	164.425k	29.81	55.24	-25.43	Line
Mode 1	Pass	QP	186.085k	44.32	64.20	-19.88	Line
Mode 1	Pass	AV	186.085k	27.19	54.20	-27.01	Line
Mode 1	Pass	QP	224.49k	39.54	62.65	-23.11	Line
Mode 1	Pass	AV	224.49k	23.29	52.65	-29.36	Line
Mode 1	Pass	QP	460.537k	17.70	56.69	-38.99	Line
Mode 1	Pass	AV	460.537k	13.84	46.69	-32.85	Line
Mode 1	Pass	QP	2.901M	16.01	56.00	-39.99	Line
Mode 1	Pass	AV	2.901M	14.07	46.00	-31.93	Line
Mode 1	Pass	QP	17.346M	38.19	60.00	-21.81	Line
Mode 1	Pass	AV	17.346M	34.06	50.00	-15.94	Line
Mode 1	Pass	QP	166.406k	47.29	65.14	-17.85	Neutral
Mode 1	Pass	AV	166.406k	29.32	55.14	-25.82	Neutral
Mode 1	Pass	QP	216.567k	41.19	62.94	-21.75	Neutral
Mode 1	Pass	AV	216.567k	26.57	52.94	-26.37	Neutral
Mode 1	Pass	QP	310.189k	28.91	59.96	-31.05	Neutral
Mode 1	Pass	AV	310.189k	17.87	49.96	-32.09	Neutral
Mode 1	Pass	QP	575.907k	19.91	56.00	-36.09	Neutral
Mode 1	Pass	AV	575.907k	15.93	46.00	-30.07	Neutral
Mode 1	Pass	QP	3.154M	16.46	56.00	-39.54	Neutral
Mode 1	Pass	AV	3.154M	14.39	46.00	-31.61	Neutral
Mode 1	Pass	QP	17.346M	38.47	60.00	-21.53	Neutral
Mode 1	Pass	AV	17.346M	34.26	50.00	-15.74	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	164.425k	47.39	65.24	-17.85	19.70	Line	-	27.69	9.66	0.07	9.97
AV	164.425k	29.81	55.24	-25.43	19.70	Line	-	10.11	9.66	0.07	9.97
QP	186.085k	44.32	64.20	-19.88	19.70	Line	-	24.62	9.65	0.08	9.97
AV	186.085k	27.19	54.20	-27.01	19.70	Line	-	7.49	9.65	0.08	9.97
QP	224.49k	39.54	62.65	-23.11	19.71	Line	-	19.83	9.65	0.09	9.97
AV	224.49k	23.29	52.65	-29.36	19.71	Line	-	3.58	9.65	0.09	9.97
QP	460.537k	17.70	56.69	-38.99	19.75	Line	-	-2.05	9.65	0.12	9.98
AV	460.537k	13.84	46.69	-32.85	19.75	Line	-	-5.91	9.65	0.12	9.98
QP	2.901M	16.01	56.00	-39.99	19.75	Line	-	-3.74	9.68	0.09	9.98
AV	2.901M	14.07	46.00	-31.93	19.75	Line	-	-5.68	9.68	0.09	9.98
QP	17.346M	38.19	60.00	-21.81	19.78	Line	-	18.41	9.69	0.11	9.98
AV	17.346M	34.06	50.00	-15.94	19.78	Line	-	14.28	9.69	0.11	9.98

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	166.406k	47.29	65.14	-17.85	19.64	Neutral	-	27.65	9.60	0.07	9.97
AV	166.406k	29.32	55.14	-25.82	19.64	Neutral	-	9.68	9.60	0.07	9.97
QP	216.567k	41.19	62.94	-21.75	19.66	Neutral	-	21.53	9.60	0.09	9.97
AV	216.567k	26.57	52.94	-26.37	19.66	Neutral	-	6.91	9.60	0.09	9.97
QP	310.189k	28.91	59.96	-31.05	19.69	Neutral	-	9.22	9.60	0.11	9.98
AV	310.189k	17.87	49.96	-32.09	19.69	Neutral	-	-1.82	9.60	0.11	9.98
QP	575.907k	19.91	56.00	-36.09	19.69	Neutral	-	0.22	9.60	0.11	9.98
AV	575.907k	15.93	46.00	-30.07	19.69	Neutral	-	-3.76	9.60	0.11	9.98
QP	3.154M	16.46	56.00	-39.54	19.68	Neutral	-	-3.22	9.62	0.08	9.98
AV	3.154M	14.39	46.00	-31.61	19.68	Neutral	-	-5.29	9.62	0.08	9.98
QP	17.346M	38.47	60.00	-21.53	19.76	Neutral	-	18.71	9.67	0.11	9.98
AV	17.346M	34.26	50.00	-15.74	19.76	Neutral	-	14.50	9.67	0.11	9.98

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	8.05M	13.234M	13M2G1D	7.775M	13.098M
802.11g_Nss1,(6Mbps)_1TX	16.3M	16.855M	16M9D1D	15.8M	16.468M
802.11be EHT20_Nss1,(MCS0)_1TX	18.9M	19.004M	19M0D1D	17.475M	18.866M

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

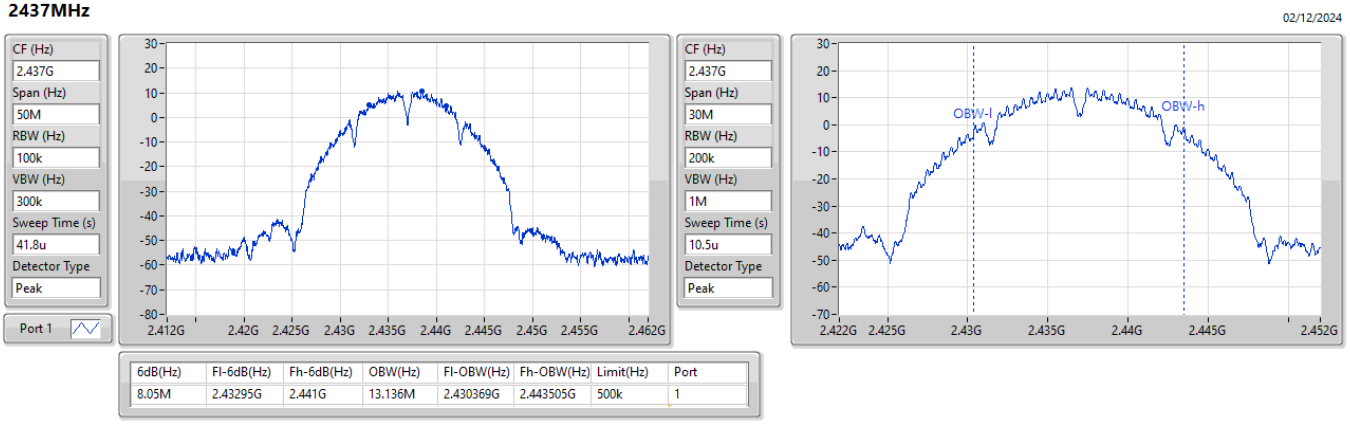
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7.775M	13.098M
2437MHz	Pass	500k	8.05M	13.136M
2462MHz	Pass	500k	8.05M	13.234M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	15.8M	16.468M
2437MHz	Pass	500k	16.3M	16.855M
2462MHz	Pass	500k	16.025M	16.53M
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	18.55M	18.866M
2437MHz	Pass	500k	17.475M	19.004M
2462MHz	Pass	500k	18.9M	18.953M

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**

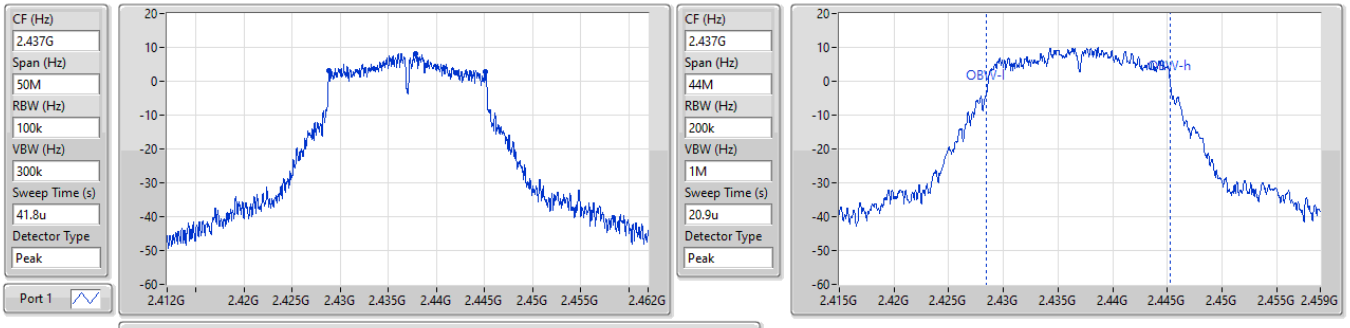
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.43295G	2.441G	13.136M	2.430369G	2.443505G	500k	1

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

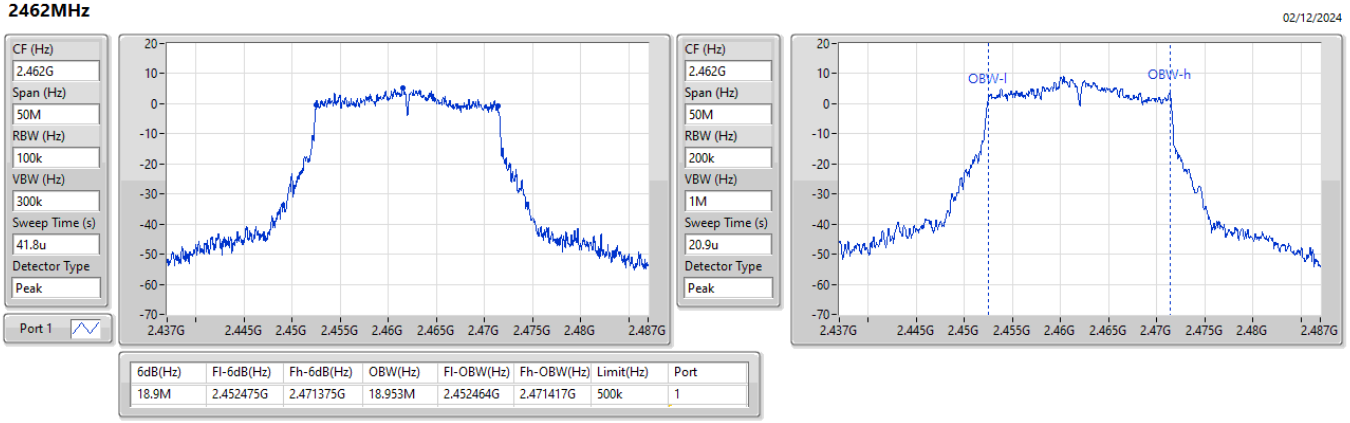
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.428825G	2.445125G	16.855M	2.428451G	2.445306G	500k	1

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX **EBW**

2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.452475G	2.471375G	18.953M	2.452464G	2.471417G	500k	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.075M	13.295M	13M3G1D	7.15M	12.829M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.832M	16M8D1D	14.475M	16.393M
802.11be EHT20_Nss1,(MCS0)_2TX	19.15M	19.149M	19M1D1D	10.725M	18.853M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

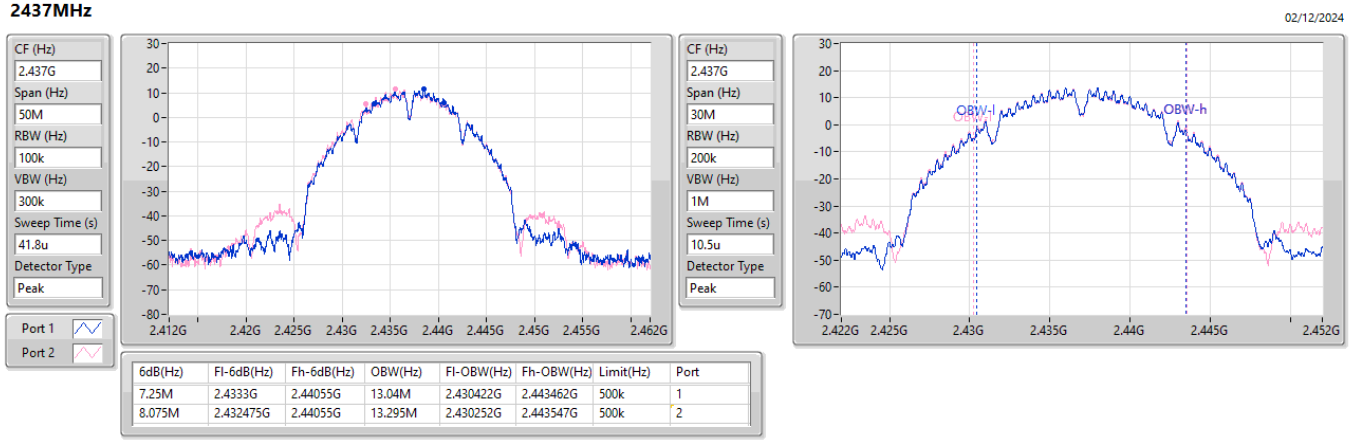
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.175M	12.977M	7.15M	13.226M
2437MHz	Pass	500k	7.25M	13.04M	8.075M	13.295M
2462MHz	Pass	500k	7.575M	13.192M	8M	12.829M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	14.525M	16.393M	16.35M	16.541M
2437MHz	Pass	500k	16.3M	16.48M	14.475M	16.545M
2462MHz	Pass	500k	15.925M	16.832M	14.5M	16.602M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18M	18.853M	19.15M	19.025M
2437MHz	Pass	500k	17.45M	18.871M	16.475M	19.149M
2462MHz	Pass	500k	10.725M	18.931M	19.05M	18.957M

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

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

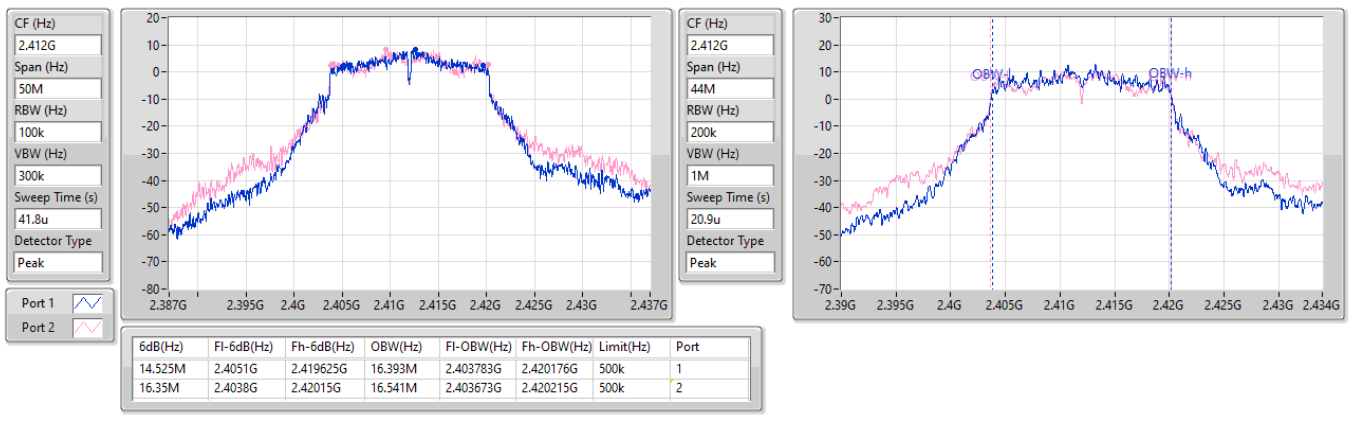
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.25M	2.4333G	2.44055G	13.04M	2.430422G	2.443462G	500k	1
8.075M	2.432475G	2.44055G	13.295M	2.430252G	2.443547G	500k	2

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

2412MHz

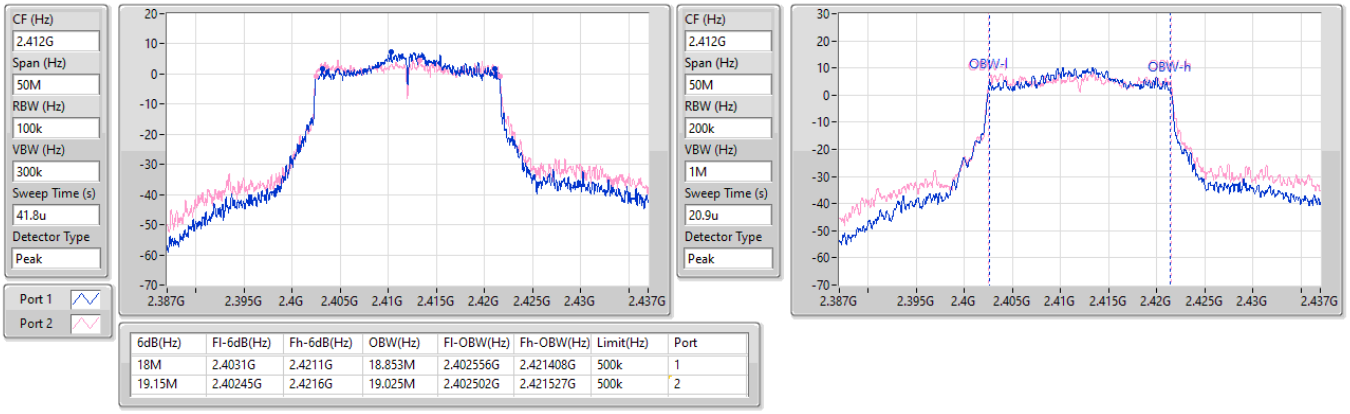


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.525M	2.4051G	2.419625G	16.393M	2.403783G	2.420176G	500k	1
16.35M	2.4038G	2.42015G	16.541M	2.403673G	2.420215G	500k	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **EBW**

2412MHz

02/12/2024



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18M	2.4031G	2.4211G	18.853M	2.402556G	2.421408G	500k	1
19.15M	2.40245G	2.4216G	19.025M	2.402502G	2.421527G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	21.54	0.14256
802.11g_Nss1,(6Mbps)_1TX	21.19	0.13152
802.11be EHT20_Nss1,(MCS0)_1TX	21.10	0.12882

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	21.51	21.51	30.00
2437MHz	Pass	2.68	21.54	21.54	30.00
2462MHz	Pass	2.68	21.35	21.35	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	21.17	21.17	30.00
2437MHz	Pass	2.68	21.19	21.19	30.00
2457MHz	Pass	2.68	21.09	21.09	30.00
2462MHz	Pass	2.68	20.04	20.04	30.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	20.64	20.64	30.00
2417MHz	Pass	2.68	20.69	20.69	30.00
2437MHz	Pass	2.68	21.10	21.10	30.00
2457MHz	Pass	2.68	20.53	20.53	30.00
2462MHz	Pass	2.68	19.11	19.11	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.76	0.29923
802.11g_Nss1,(6Mbps)_2TX	24.43	0.27733
802.11be EHT20_Nss1,(MCS0)_2TX	24.20	0.26303

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.68	21.74	21.73	24.75	30.00
2437MHz	Pass	2.68	21.76	21.74	24.76	30.00
2462MHz	Pass	2.68	21.44	21.37	24.42	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.68	20.89	20.89	23.90	30.00
2417MHz	Pass	2.68	21.41	21.42	24.43	30.00
2437MHz	Pass	2.68	21.38	21.29	24.35	30.00
2457MHz	Pass	2.68	20.07	19.87	22.98	30.00
2462MHz	Pass	2.68	19.45	19.19	22.33	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.68	20.59	19.89	23.26	30.00
2417MHz	Pass	2.68	21.09	20.48	23.81	30.00
2437MHz	Pass	2.68	21.49	20.86	24.20	30.00
2457MHz	Pass	2.68	20.12	19.37	22.77	30.00
2462MHz	Pass	2.68	18.04	17.26	20.68	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	24.20	0.26303

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.86	20.59	19.89	23.26	30.00
2417MHz	Pass	2.86	21.09	20.48	23.81	30.00
2437MHz	Pass	2.86	21.49	20.86	24.20	30.00
2457MHz	Pass	2.86	20.12	19.37	22.77	30.00
2462MHz	Pass	2.86	18.04	17.26	20.68	30.00

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	-3.20
802.11g_Nss1,(6Mbps)_1TX	-5.52
802.11be EHT20_Nss1,(MCS0)_1TX	-4.75

RBW = 3kHz;

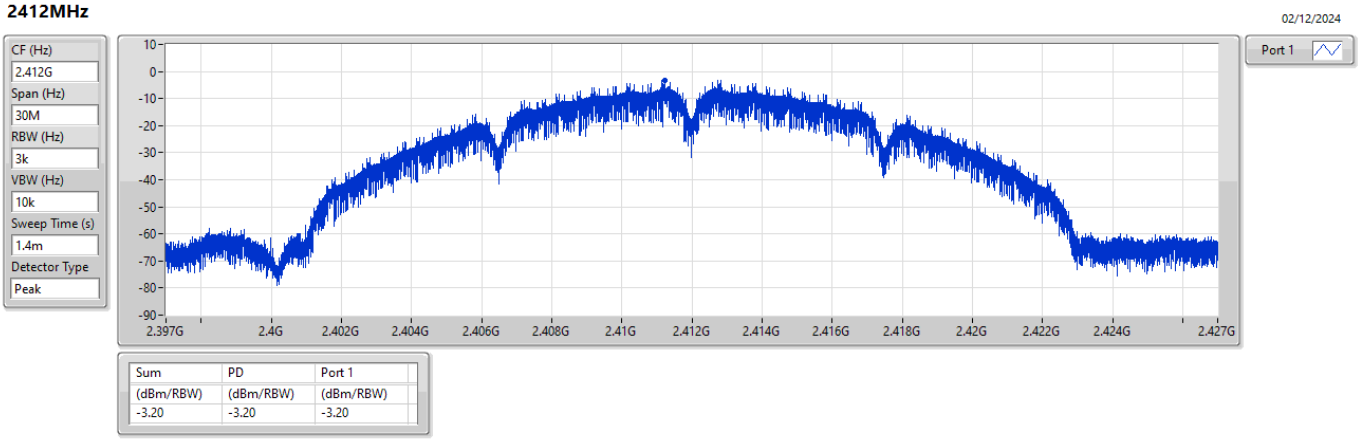
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	-3.20	-3.20	8.00
2437MHz	Pass	2.68	-6.50	-6.50	8.00
2462MHz	Pass	2.68	-4.73	-4.73	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	-5.80	-5.80	8.00
2437MHz	Pass	2.68	-6.10	-6.10	8.00
2462MHz	Pass	2.68	-5.52	-5.52	8.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	-5.05	-5.05	8.00
2437MHz	Pass	2.68	-4.75	-4.75	8.00
2462MHz	Pass	2.68	-7.37	-7.37	8.00

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.

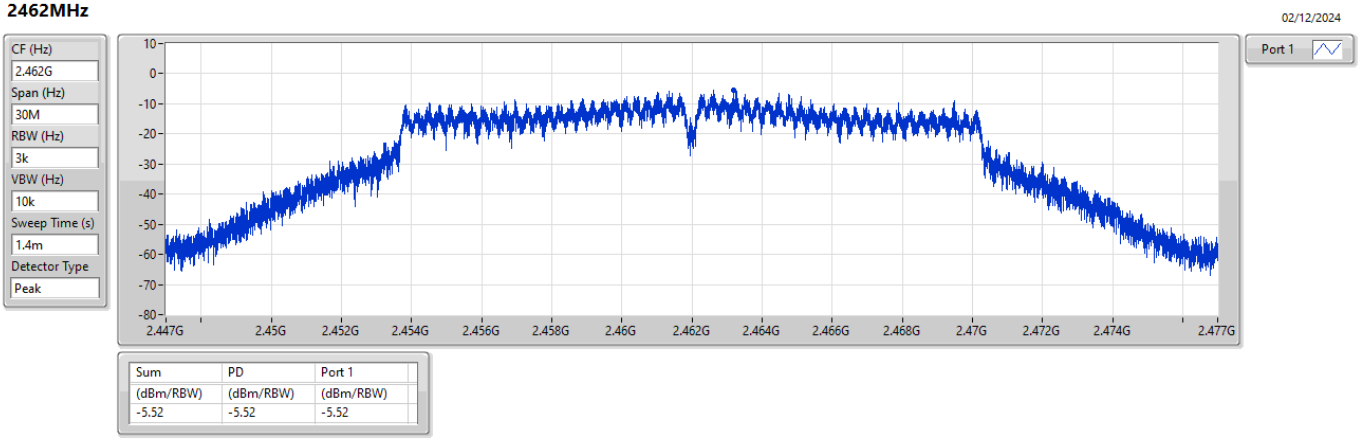
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

2412MHz



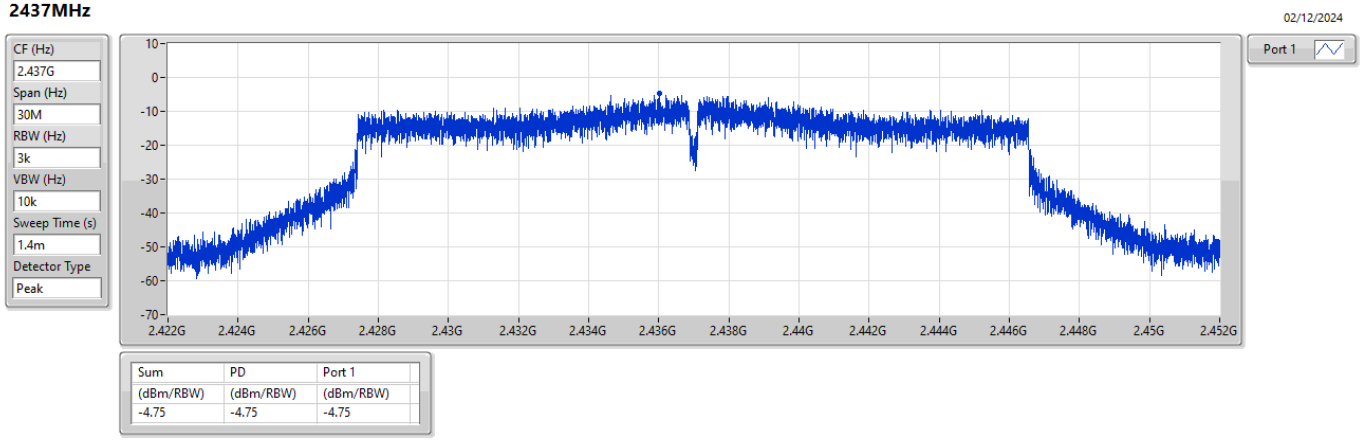
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

2462MHz



2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX **PSD**

2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.75	-4.75	-4.75

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-2.00
802.11g_Nss1,(6Mbps)_2TX	-2.41
802.11be EHT20_Nss1,(MCS0)_2TX	-2.75

RBW = 3kHz;

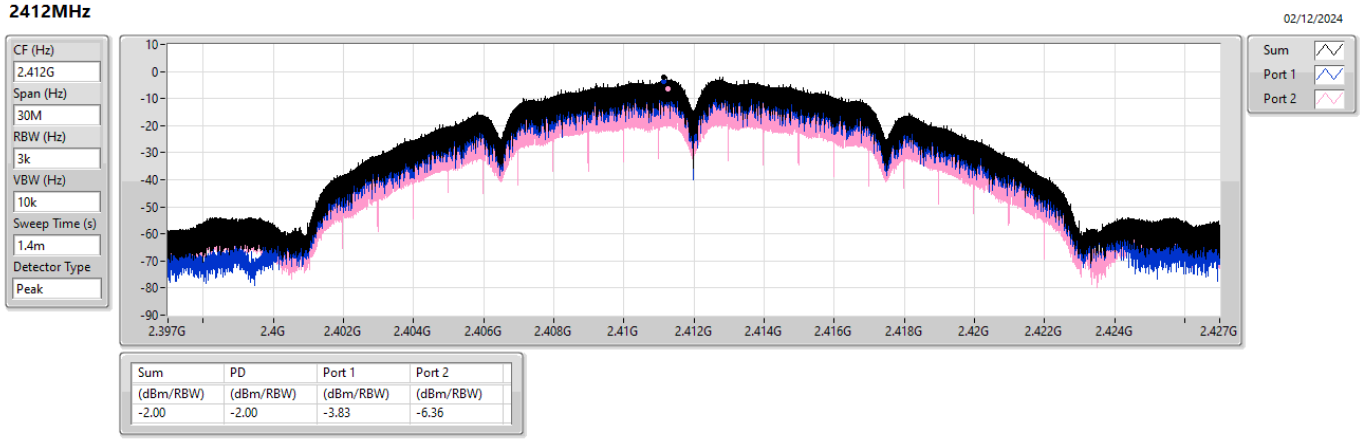
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.86	-3.83	-6.36	-2.00	8.00
2437MHz	Pass	2.86	-6.21	-6.16	-3.25	8.00
2462MHz	Pass	2.86	-5.17	-6.56	-2.92	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.86	-3.91	-5.13	-2.41	8.00
2437MHz	Pass	2.86	-4.95	-4.76	-3.34	8.00
2462MHz	Pass	2.86	-7.34	-7.62	-5.10	8.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.86	-4.95	-6.26	-4.00	8.00
2437MHz	Pass	2.86	-3.91	-6.23	-2.75	8.00
2462MHz	Pass	2.86	-8.06	-7.88	-6.55	8.00

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

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

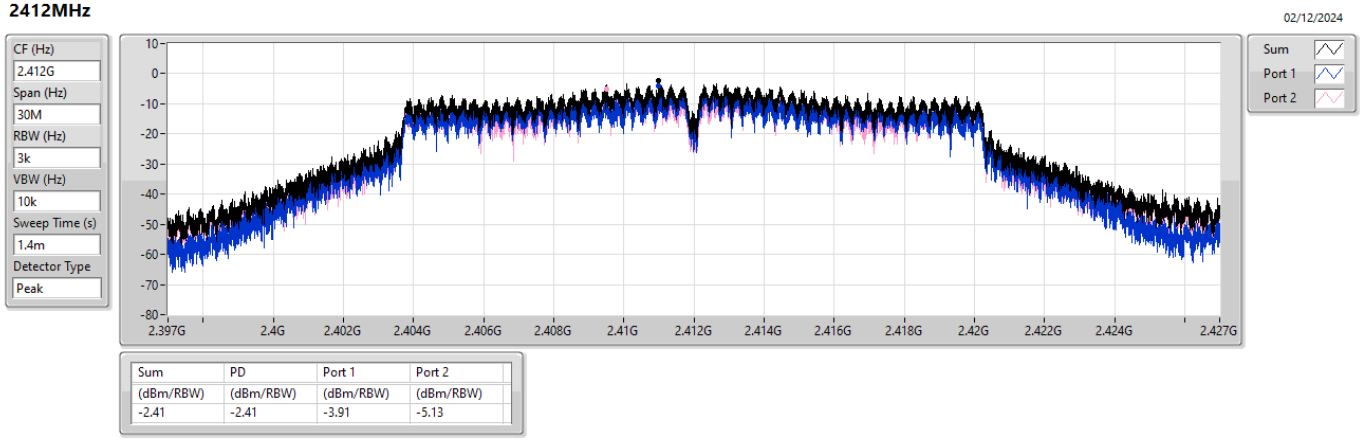
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.00	-2.00	-3.83	-6.36

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

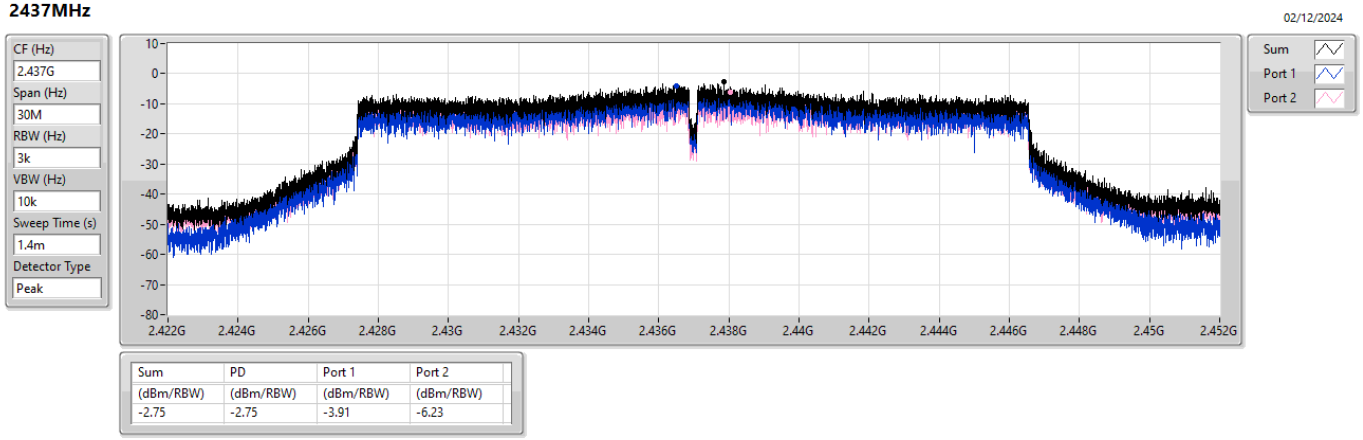
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.41	-2.41	-3.91	-5.13

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX **PSD**

2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.75	-2.75	-3.91	-6.23

Summary

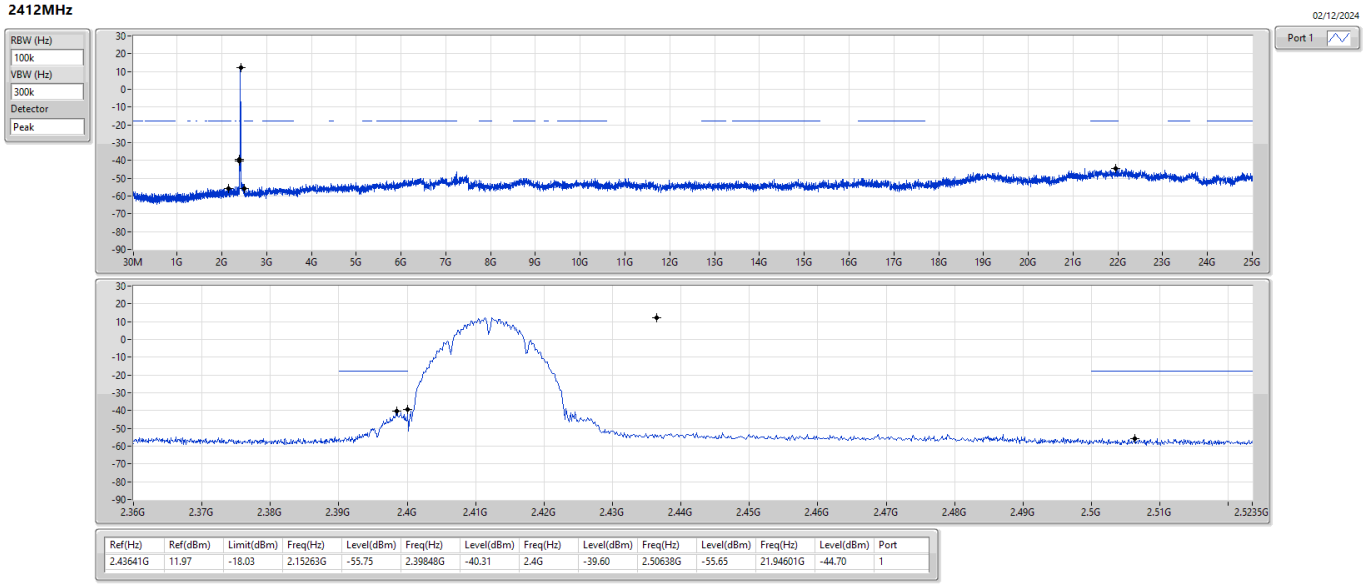
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43641G	11.97	-18.03	2.15263G	-55.75	2.39848G	-40.31	2.4G	-39.60	2.50638G	-55.65	21.94601G	-44.70	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43574G	11.18	-18.82	1.94876G	-54.79	2.4G	-24.34	2.4G	-22.31	2.51942G	-55.25	22.00501G	-44.26	1
802.11be EHT20_Nss1,(MCS0)_1TX	Pass	2.43824G	11.79	-18.21	2.19224G	-55.42	2.39992G	-23.30	2.4G	-23.42	2.51478G	-55.67	21.57514G	-44.56	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	2.43641G	11.97	-18.03	2.15263G	-55.75	2.39848G	-40.31	2.4G	-39.60	2.50638G	-55.65	21.94601G	-44.70	1
2437MHz	Pass	2.43641G	11.97	-18.03	1.99536G	-54.81	2.39968G	-54.17	2.4G	-54.41	2.51038G	-55.30	21.6201G	-45.14	1
2462MHz	Pass	2.43641G	11.97	-18.03	2.30408G	-55.17	2.4G	-51.68	2.4G	-53.16	2.50174G	-54.89	21.98534G	-44.61	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	11.18	-18.82	1.94876G	-54.79	2.4G	-24.34	2.4G	-22.31	2.51942G	-55.25	22.00501G	-44.26	1
2437MHz	Pass	2.43574G	11.18	-18.82	2.0338G	-55.63	2.4G	-49.28	2.4G	-49.53	2.50382G	-54.23	21.92353G	-43.92	1
2462MHz	Pass	2.43574G	11.18	-18.82	2.19574G	-55.34	2.4G	-51.46	2.4G	-51.60	2.52006G	-55.66	21.84767G	-44.93	1
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	11.79	-18.21	2.19224G	-55.42	2.39992G	-23.30	2.4G	-23.42	2.51478G	-55.67	21.57514G	-44.56	1
2437MHz	Pass	2.43824G	11.79	-18.21	2.16195G	-55.35	2.4G	-47.22	2.4G	-48.22	2.5007G	-54.62	21.50209G	-44.78	1
2462MHz	Pass	2.43824G	11.79	-18.21	2.1736G	-55.74	2.4G	-51.51	2.4G	-52.77	2.51622G	-55.99	22.00782G	-44.52	1

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

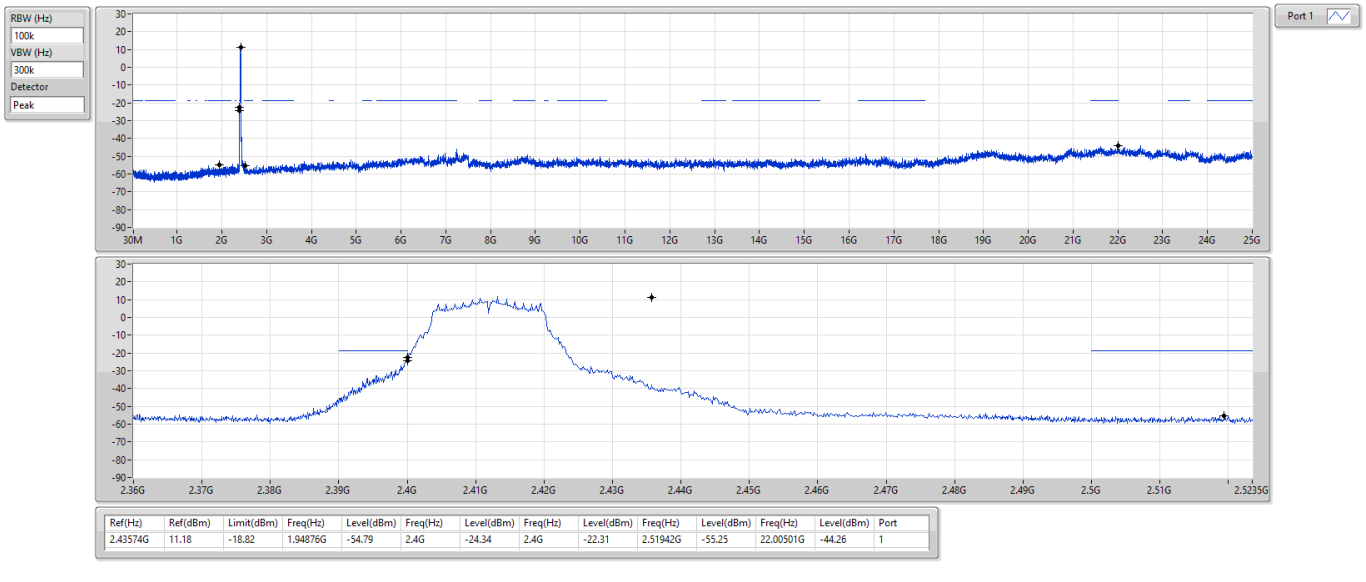
2412MHz



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
2.43641G	11.97	-18.03	2.15263G	-55.75	2.39848G	-40.31	2.4G	-39.60	2.50638G	-55.65	21.94601G	-44.70	1

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

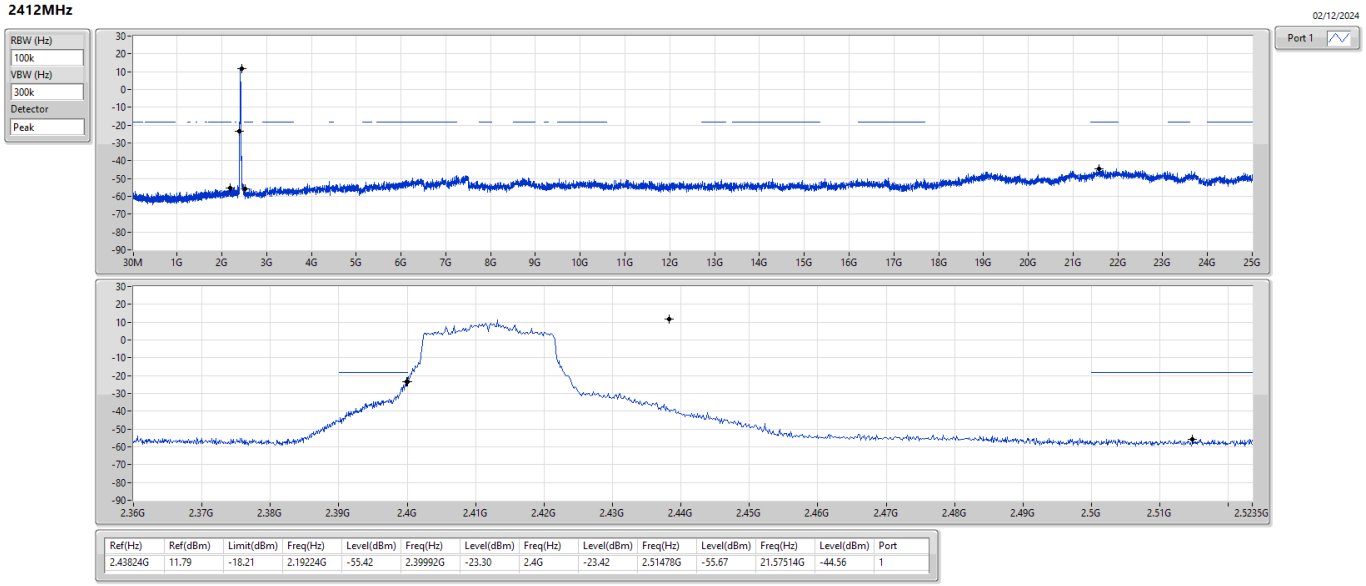
2412MHz



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
2.43574G	11.18	-18.82	1.94876G	-54.79	2.4G	-24.34	2.4G	-22.31	2.51942G	-55.25	22.00501G	-44.26	1

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_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	11.79	-18.21	2.19224G	-55.42	2.39992G	-23.30	2.4G	-23.42	2.51478G	-55.67	21.57514G	-44.56	1

Summary

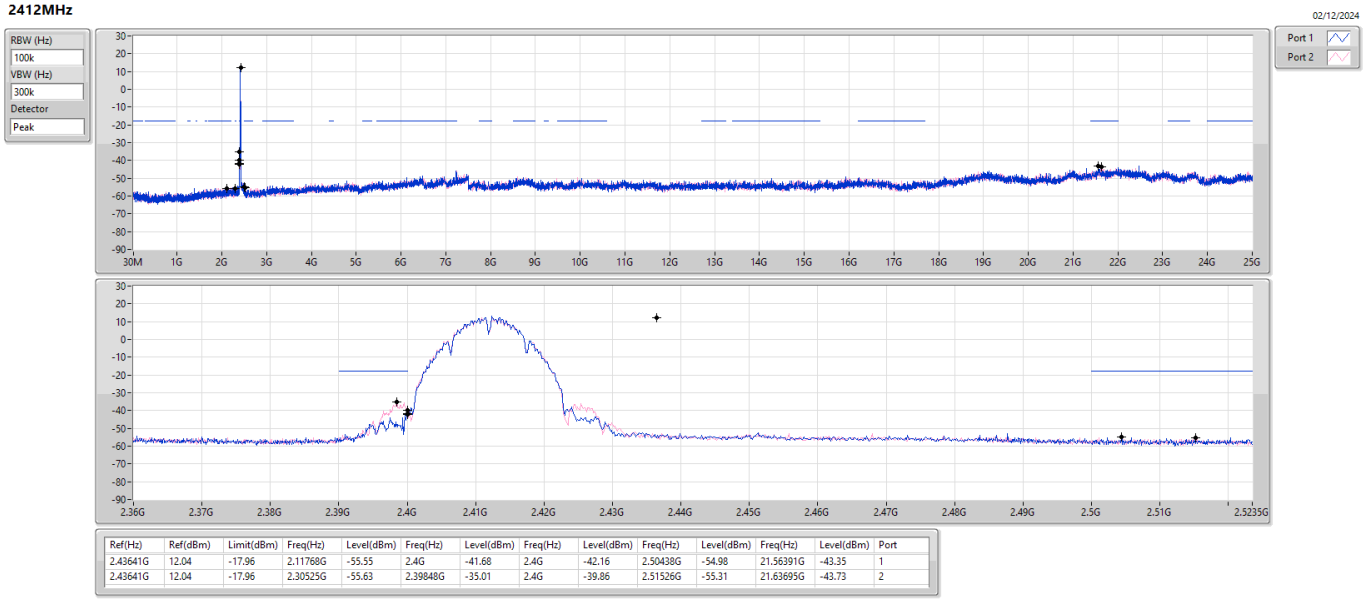
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43641G	12.04	-17.96	2.30525G	-55.63	2.39848G	-35.01	2.4G	-39.86	2.51526G	-55.31	21.63695G	-43.73	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	12.46	-17.54	2.30525G	-54.85	2.4G	-24.00	2.4G	-21.99	2.51158G	-55.35	21.78586G	-44.55	1
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	2.43574G	12.27	-17.73	2.19923G	-54.87	2.4G	-25.47	2.4G	-24.79	2.51486G	-54.07	21.61167G	-44.70	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43641G	12.04	-17.96	2.11768G	-55.55	2.4G	-41.68	2.4G	-42.16	2.50438G	-54.98	21.56391G	-43.35	1
2412MHz	Pass	2.43641G	12.04	-17.96	2.30525G	-55.63	2.39848G	-35.01	2.4G	-39.86	2.51526G	-55.31	21.63695G	-43.73	2
2437MHz	Pass	2.43641G	12.04	-17.96	2.30175G	-53.60	2.4G	-51.54	2.4G	-53.40	2.51526G	-55.02	21.60043G	-44.61	1
2437MHz	Pass	2.43641G	12.04	-17.96	2.30641G	-54.37	2.39744G	-52.81	2.4G	-53.75	2.50502G	-55.28	21.91791G	-42.88	2
2462MHz	Pass	2.43641G	12.04	-17.96	2.19224G	-55.87	2.4G	-52.42	2.4G	-52.34	2.50086G	-55.08	21.57233G	-44.79	1
2462MHz	Pass	2.43641G	12.04	-17.96	46.31M	-55.82	2.4G	-53.10	2.4G	-53.63	2.50414G	-55.24	21.57514G	-44.51	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	12.46	-17.54	2.30525G	-54.85	2.4G	-24.00	2.4G	-21.99	2.51158G	-55.35	21.78586G	-44.55	1
2412MHz	Pass	2.43574G	12.46	-17.54	2.13166G	-55.52	2.4G	-25.59	2.4G	-23.92	2.51902G	-54.95	21.9741G	-44.38	2
2437MHz	Pass	2.43574G	12.46	-17.54	2.16312G	-55.43	2.39992G	-49.23	2.4G	-49.56	2.5151G	-54.33	21.47962G	-44.43	1
2437MHz	Pass	2.43574G	12.46	-17.54	2.18991G	-55.38	2.39888G	-48.88	2.4G	-49.62	2.50142G	-54.07	21.48805G	-44.26	2
2462MHz	Pass	2.43574G	12.46	-17.54	1.85556G	-55.00	2.4G	-53.58	2.4G	-52.96	2.50142G	-54.84	21.58357G	-43.76	1
2462MHz	Pass	2.43574G	12.46	-17.54	1.85206G	-55.12	2.396G	-53.44	2.4G	-53.52	2.50014G	-55.42	21.57233G	-44.38	2
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	12.27	-17.73	2.16428G	-55.59	2.39984G	-24.81	2.4G	-25.44	2.50326G	-54.57	21.533G	-44.29	1
2412MHz	Pass	2.43574G	12.27	-17.73	2.19923G	-54.87	2.4G	-25.47	2.4G	-24.79	2.51486G	-54.07	21.61167G	-44.70	2
2437MHz	Pass	2.43574G	12.27	-17.73	1.95691G	-54.87	2.39952G	-43.50	2.4G	-44.95	2.52166G	-55.14	21.94882G	-44.87	1
2437MHz	Pass	2.43574G	12.27	-17.73	1.85439G	-54.61	2.39984G	-40.67	2.4G	-43.26	2.52294G	-55.36	21.89824G	-44.78	2
2462MHz	Pass	2.43574G	12.27	-17.73	2.03613G	-55.55	2.4G	-51.66	2.4G	-53.19	2.50758G	-54.94	21.44871G	-45.34	1
2462MHz	Pass	2.43574G	12.27	-17.73	1.8707G	-55.67	2.39888G	-52.82	2.4G	-53.75	2.51406G	-55.85	21.70719G	-44.33	2

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

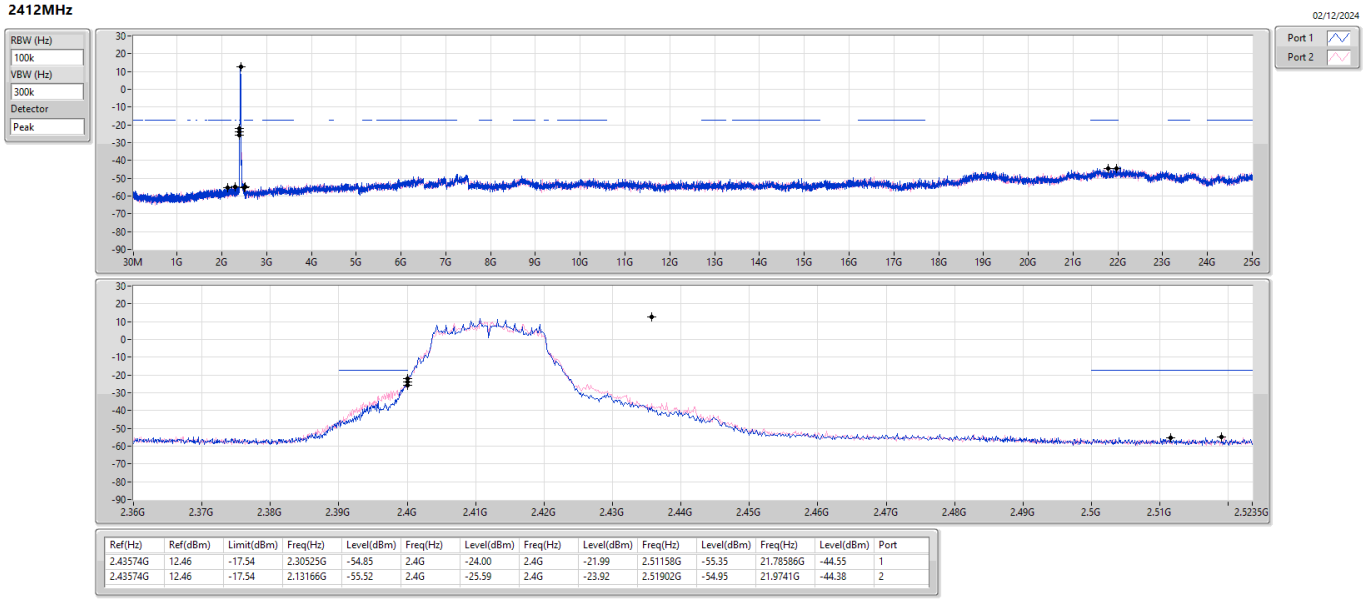
2412MHz



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
2.43641G	12.04	-17.96	2.11768G	-55.55	2.4G	-41.68	2.4G	-42.16	2.50438G	-54.98	21.56391G	-43.35	1
2.43641G	12.04	-17.96	2.30525G	-55.63	2.39848G	-35.01	2.4G	-39.86	2.51526G	-55.31	21.63695G	-43.73	2

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

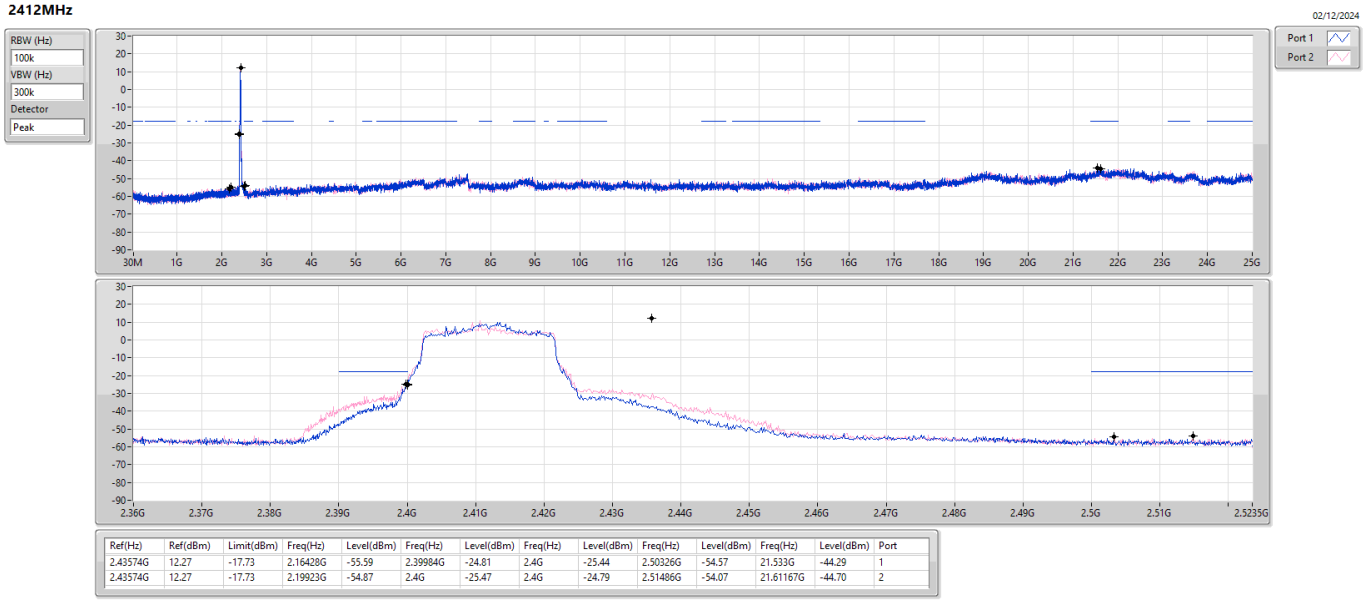
2412MHz



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
2.43574G	12.46	-17.54	2.30525G	-54.85	2.4G	-24.00	2.4G	-21.99	2.51158G	-55.35	21.78586G	-44.55	1
2.43574G	12.46	-17.54	2.13166G	-55.52	2.4G	-25.59	2.4G	-23.92	2.51902G	-54.95	21.9741G	-44.38	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX 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
2.43574G	12.27	-17.73	2.16428G	-55.59	2.39984G	-24.81	2.4G	-25.44	2.50326G	-54.57	21.533G	-44.29	1
2.43574G	12.27	-17.73	2.19923G	-54.87	2.4G	-25.47	2.4G	-24.79	2.51486G	-54.07	21.61167G	-44.70	2

Summary

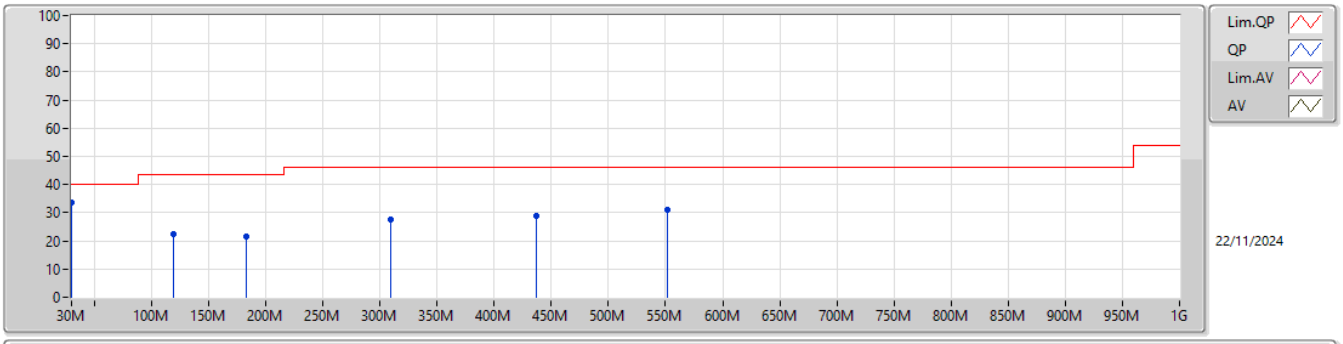
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT20_Nss1,(MCS0)_1TX	Pass	PK	30M	33.73	40.00	-6.27	3	Vertical	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2437MHz_PoE	Pass	PK	30M	33.73	40.00	-6.27	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	119.24M	22.56	43.50	-20.94	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	183.26M	21.71	43.50	-21.79	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	309.36M	27.69	46.00	-18.31	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	437.4M	28.89	46.00	-17.11	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	551.86M	31.14	46.00	-14.86	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	30M	31.72	40.00	-8.28	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	117.3M	22.80	43.50	-20.70	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	229.82M	24.44	46.00	-21.56	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	309.36M	32.29	46.00	-13.71	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	437.4M	30.87	46.00	-15.13	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	546.04M	30.32	46.00	-15.68	3	Horizontal	360	1.00

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

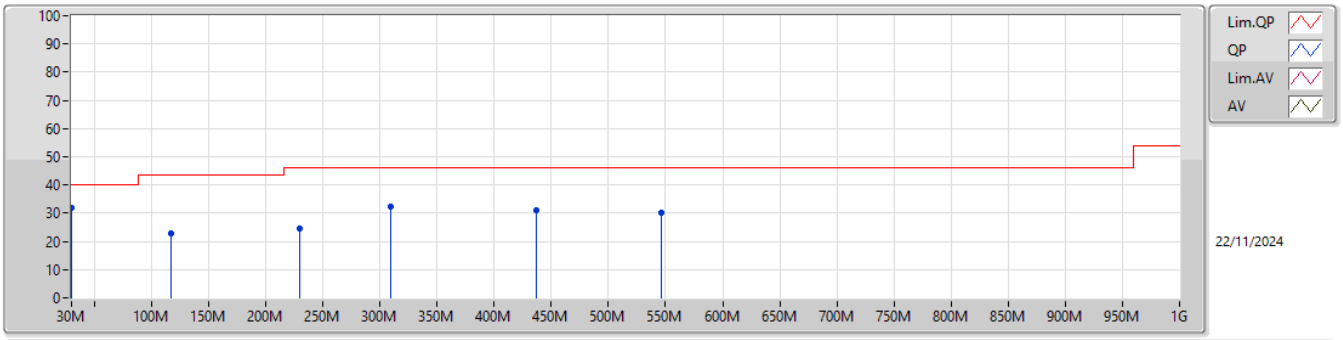
2437MHz_PoE



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	33.73	40.00	-6.27	-2.98	3	Vertical	0	1.00	36.71	23.18	1.23	27.39
PK	119.24M	22.56	43.50	-20.94	-8.50	3	Vertical	0	1.00	31.06	16.89	2.22	27.61
PK	183.26M	21.71	43.50	-21.79	-10.95	3	Vertical	0	1.00	32.66	13.73	2.70	27.38
PK	309.36M	27.69	46.00	-18.31	-5.15	3	Vertical	0	1.00	32.84	18.23	3.70	27.08
PK	437.4M	28.89	46.00	-17.11	-2.25	3	Vertical	0	1.00	31.14	21.24	4.50	27.99
PK	551.86M	31.14	46.00	-14.86	0.36	3	Vertical	0	1.00	30.78	23.52	5.15	28.31

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

2437MHz_PoE



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	31.72	40.00	-8.28	-2.98	3	Horizontal	360	1.00	34.70	23.18	1.23	27.39
PK	117.3M	22.80	43.50	-20.70	-8.66	3	Horizontal	360	1.00	31.46	16.75	2.20	27.61
PK	229.82M	24.44	46.00	-21.56	-9.31	3	Horizontal	360	1.00	33.75	14.72	3.12	27.15
PK	309.36M	32.29	46.00	-13.71	-5.15	3	Horizontal	360	1.00	37.44	18.23	3.70	27.08
PK	437.4M	30.87	46.00	-15.13	-2.25	3	Horizontal	360	1.00	33.12	21.24	4.50	27.99
PK	546.04M	30.32	46.00	-15.68	0.23	3	Horizontal	360	1.00	30.09	23.43	5.11	28.31

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	2.4835G	45.76	54.00	-8.24	3	Vertical	130	2.50
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.4835G	53.82	54.00	-0.18	3	Vertical	133	2.12
802.11be EHT20_Nss1,(MCS0)_1TX	Pass	AV	2.4835G	53.41	54.00	-0.59	3	Vertical	135	2.11

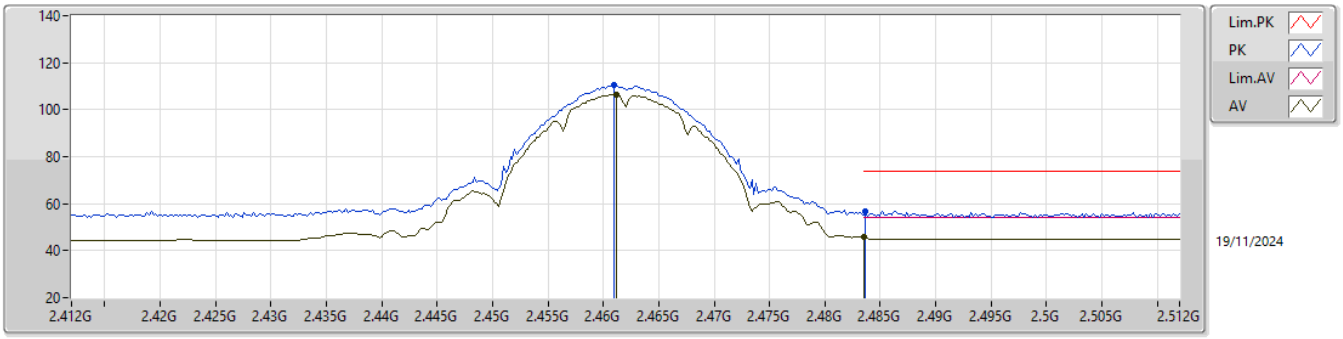
Result

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	2.3888G	44.52	54.00	-9.48	3	Vertical	132	2.27
2412MHz	Pass	AV	2.4112G	105.65	Inf	-Inf	3	Vertical	132	2.27
2412MHz	Pass	PK	2.3888G	56.71	74.00	-17.29	3	Vertical	132	2.27
2412MHz	Pass	PK	2.411G	109.47	Inf	-Inf	3	Vertical	132	2.27
2412MHz	Pass	AV	4.82396G	28.88	54.00	-25.12	3	Vertical	241	1.06
2412MHz	Pass	PK	4.82364G	40.38	74.00	-33.62	3	Vertical	241	1.06
2412MHz	Pass	AV	4.82398G	33.57	54.00	-20.43	3	Horizontal	179	2.51
2412MHz	Pass	PK	4.82414G	41.70	74.00	-32.30	3	Horizontal	179	2.51
2437MHz	Pass	AV	2.3506G	43.88	54.00	-10.12	3	Vertical	146	1.82
2437MHz	Pass	AV	2.4362G	105.14	Inf	-Inf	3	Vertical	146	1.82
2437MHz	Pass	AV	2.4918G	44.56	54.00	-9.44	3	Vertical	146	1.82
2437MHz	Pass	PK	2.3862G	55.86	74.00	-18.14	3	Vertical	146	1.82
2437MHz	Pass	PK	2.4362G	109.00	Inf	-Inf	3	Vertical	146	1.82
2437MHz	Pass	PK	2.4962G	55.79	74.00	-18.21	3	Vertical	146	1.82
2437MHz	Pass	AV	4.87396G	29.59	54.00	-24.41	3	Vertical	85	2.19
2437MHz	Pass	PK	4.87348G	40.30	74.00	-33.70	3	Vertical	85	2.19
2437MHz	Pass	AV	4.87396G	28.37	54.00	-25.63	3	Horizontal	243	2.17
2437MHz	Pass	PK	4.87418G	41.07	74.00	-32.93	3	Horizontal	243	2.17
2462MHz	Pass	AV	2.4612G	106.56	Inf	-Inf	3	Vertical	130	2.50
2462MHz	Pass	AV	2.4835G	45.76	54.00	-8.24	3	Vertical	130	2.50
2462MHz	Pass	PK	2.461G	110.39	Inf	-Inf	3	Vertical	130	2.50
2462MHz	Pass	PK	2.4836G	56.86	74.00	-17.14	3	Vertical	130	2.50
2462MHz	Pass	AV	4.92396G	30.55	54.00	-23.45	3	Vertical	221	1.13
2462MHz	Pass	PK	4.92384G	40.39	74.00	-33.61	3	Vertical	221	1.13
2462MHz	Pass	AV	4.92392G	32.46	54.00	-21.54	3	Horizontal	166	2.30
2462MHz	Pass	PK	4.92396G	40.53	74.00	-33.47	3	Horizontal	166	2.30
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	50.70	54.00	-3.30	3	Vertical	135	1.58
2412MHz	Pass	AV	2.4114G	101.58	Inf	-Inf	3	Vertical	135	1.58
2412MHz	Pass	PK	2.3898G	65.06	74.00	-8.94	3	Vertical	135	1.58
2412MHz	Pass	PK	2.4112G	111.20	Inf	-Inf	3	Vertical	135	1.58
2412MHz	Pass	AV	4.81744G	26.03	54.00	-27.97	3	Vertical	55	1.50
2412MHz	Pass	PK	4.8188G	39.44	74.00	-34.56	3	Vertical	55	1.50
2412MHz	Pass	AV	4.81748G	26.45	54.00	-27.55	3	Horizontal	165	2.24
2412MHz	Pass	PK	4.82832G	40.01	74.00	-33.99	3	Horizontal	165	2.24
2437MHz	Pass	AV	2.389G	43.97	54.00	-10.03	3	Vertical	133	2.55
2437MHz	Pass	AV	2.4362G	101.17	Inf	-Inf	3	Vertical	133	2.55
2437MHz	Pass	AV	2.4838G	44.72	54.00	-9.28	3	Vertical	133	2.55
2437MHz	Pass	PK	2.3898G	55.58	74.00	-18.42	3	Vertical	133	2.55
2437MHz	Pass	PK	2.4362G	110.99	Inf	-Inf	3	Vertical	133	2.55
2437MHz	Pass	PK	2.4982G	57.30	74.00	-16.70	3	Vertical	133	2.55
2437MHz	Pass	AV	4.87596G	26.02	54.00	-27.98	3	Vertical	288	1.50
2437MHz	Pass	PK	4.87436G	39.70	74.00	-34.30	3	Vertical	288	1.50
2437MHz	Pass	AV	4.87856G	25.93	54.00	-28.07	3	Horizontal	324	1.50
2437MHz	Pass	PK	4.86908G	39.71	74.00	-34.29	3	Horizontal	324	1.50
2457MHz	Pass	AV	2.4564G	102.45	Inf	-Inf	3	Vertical	131	2.48
2457MHz	Pass	AV	2.4835G	51.65	54.00	-2.35	3	Vertical	131	2.48
2457MHz	Pass	PK	2.4562G	112.20	Inf	-Inf	3	Vertical	131	2.48
2457MHz	Pass	PK	2.4846G	67.37	74.00	-6.63	3	Vertical	131	2.48
2462MHz	Pass	AV	2.4612G	101.47	Inf	-Inf	3	Vertical	133	2.12
2462MHz	Pass	AV	2.4835G	53.82	54.00	-0.18	3	Vertical	133	2.12
2462MHz	Pass	PK	2.4612G	110.66	Inf	-Inf	3	Vertical	133	2.12
2462MHz	Pass	PK	2.4835G	68.79	74.00	-5.21	3	Vertical	133	2.12
2462MHz	Pass	AV	4.914G	25.56	54.00	-28.44	3	Vertical	106.9	1.50
2462MHz	Pass	PK	4.922G	38.91	74.00	-35.09	3	Vertical	106.9	1.50
2462MHz	Pass	AV	4.91404G	25.61	54.00	-28.39	3	Horizontal	335	1.50
2462MHz	Pass	PK	4.91532G	39.17	74.00	-34.83	3	Horizontal	335	1.50
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.10	54.00	-1.90	3	Vertical	136	1.94
2412MHz	Pass	AV	2.411G	100.97	Inf	-Inf	3	Vertical	136	1.94

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	PK	2.3892G	66.95	74.00	-7.05	3	Vertical	136	1.94
2412MHz	Pass	PK	2.4112G	113.41	Inf	-Inf	3	Vertical	136	1.94
2412MHz	Pass	AV	4.8176G	26.13	54.00	-27.87	3	Vertical	101	1.66
2412MHz	Pass	PK	4.83024G	39.89	74.00	-34.11	3	Vertical	101	1.66
2412MHz	Pass	AV	4.8174G	26.62	54.00	-27.38	3	Horizontal	194.9	2.49
2412MHz	Pass	PK	4.82924G	40.27	74.00	-33.73	3	Horizontal	194.9	2.49
2417MHz	Pass	AV	2.39G	52.52	54.00	-1.48	3	Vertical	132	2.58
2417MHz	Pass	AV	2.4164G	102.11	Inf	-Inf	3	Vertical	132	2.58
2417MHz	Pass	PK	2.3898G	69.03	74.00	-4.97	3	Vertical	132	2.58
2417MHz	Pass	PK	2.4154G	114.73	Inf	-Inf	3	Vertical	132	2.58
2437MHz	Pass	AV	2.3482G	43.96	54.00	-10.04	3	Vertical	131	2.55
2437MHz	Pass	AV	2.4362G	100.82	Inf	-Inf	3	Vertical	131	2.55
2437MHz	Pass	AV	2.4835G	44.79	54.00	-9.21	3	Vertical	131	2.55
2437MHz	Pass	PK	2.3666G	56.27	74.00	-17.73	3	Vertical	131	2.55
2437MHz	Pass	PK	2.4362G	113.43	Inf	-Inf	3	Vertical	131	2.55
2437MHz	Pass	PK	2.4862G	56.37	74.00	-17.63	3	Vertical	131	2.55
2437MHz	Pass	AV	4.87612G	26.19	54.00	-27.81	3	Vertical	162	1.50
2437MHz	Pass	PK	4.88156G	39.30	74.00	-34.70	3	Vertical	162	1.50
2437MHz	Pass	AV	4.87604G	26.18	54.00	-27.82	3	Horizontal	232	2.55
2437MHz	Pass	PK	4.87684G	39.48	74.00	-34.52	3	Horizontal	232	2.55
2457MHz	Pass	AV	2.4562G	101.52	Inf	-Inf	3	Vertical	131	2.50
2457MHz	Pass	AV	2.4835G	53.11	54.00	-0.89	3	Vertical	131	2.50
2457MHz	Pass	PK	2.4554G	114.55	Inf	-Inf	3	Vertical	131	2.50
2457MHz	Pass	PK	2.4838G	69.75	74.00	-4.25	3	Vertical	131	2.50
2462MHz	Pass	AV	2.4614G	100.52	Inf	-Inf	3	Vertical	135	2.11
2462MHz	Pass	AV	2.4835G	53.41	54.00	-0.59	3	Vertical	135	2.11
2462MHz	Pass	PK	2.4628G	113.06	Inf	-Inf	3	Vertical	135	2.11
2462MHz	Pass	PK	2.4838G	71.65	74.00	-2.35	3	Vertical	135	2.11
2462MHz	Pass	AV	4.91408G	25.70	54.00	-28.30	3	Vertical	57	1.50
2462MHz	Pass	PK	4.91948G	38.85	74.00	-35.15	3	Vertical	57	1.50
2462MHz	Pass	AV	4.914G	25.69	54.00	-28.31	3	Horizontal	264	1.50
2462MHz	Pass	PK	4.92484G	38.47	74.00	-35.53	3	Horizontal	264	1.50

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

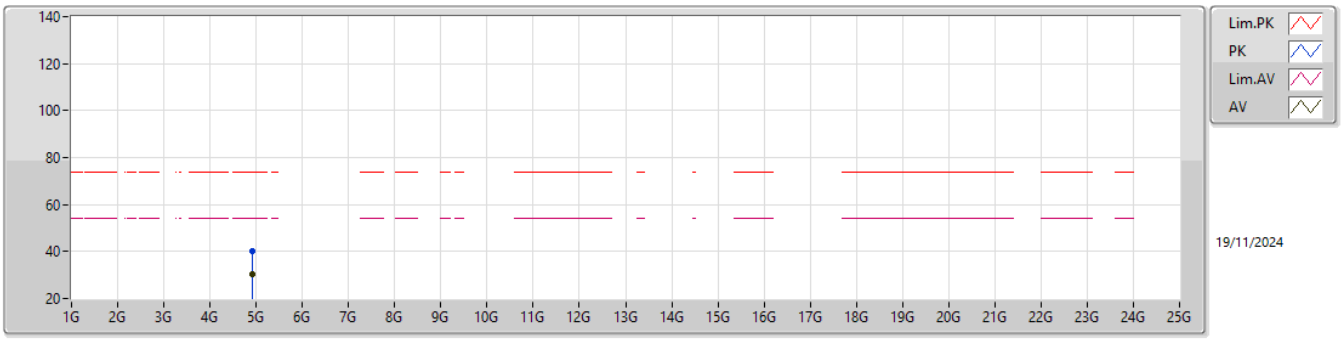
2462MHz_TX



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	2.4612G	106.56	Inf	-Inf	32.31	3	Vertical	130	2.50	74.25	27.70	4.61	-
AV	2.4835G	45.76	54.00	-8.24	32.48	3	Vertical	130	2.50	13.28	27.84	4.64	-
PK	2.461G	110.39	Inf	-Inf	32.31	3	Vertical	130	2.50	78.08	27.70	4.61	-
PK	2.4836G	56.86	74.00	-17.14	32.48	3	Vertical	130	2.50	24.38	27.84	4.64	-

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

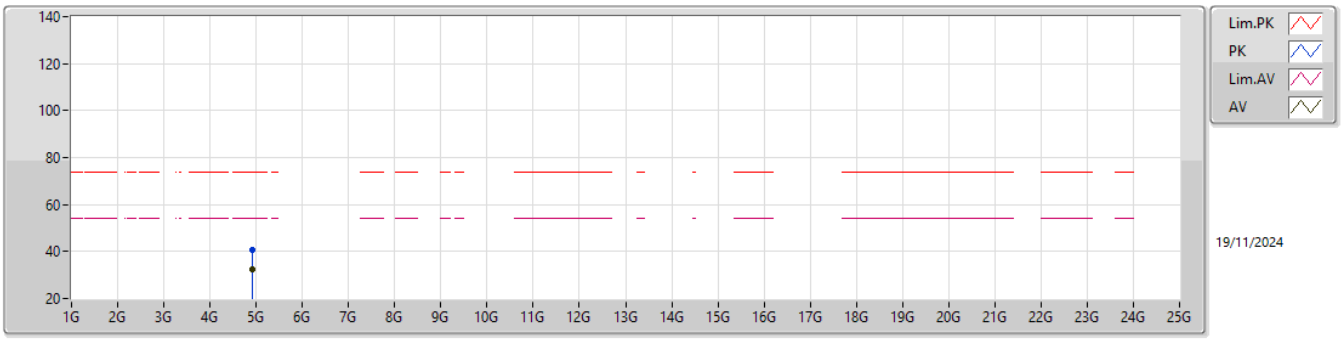
2462MHz_TX



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	4.92396G	30.55	54.00	-23.45	4.41	3	Vertical	221	1.13	26.14	32.84	6.64	35.07
PK	4.92384G	40.39	74.00	-33.61	4.41	3	Vertical	221	1.13	35.98	32.84	6.64	35.07

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

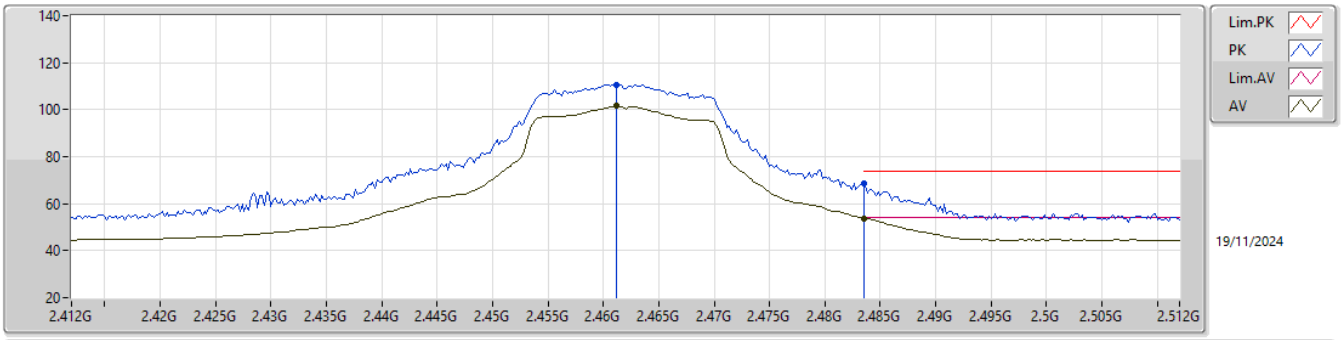
2462MHz_TX



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	4.92392G	32.46	54.00	-21.54	4.41	3	Horizontal	166	2.30	28.05	32.84	6.64	35.07
PK	4.92396G	40.53	74.00	-33.47	4.41	3	Horizontal	166	2.30	36.12	32.84	6.64	35.07

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

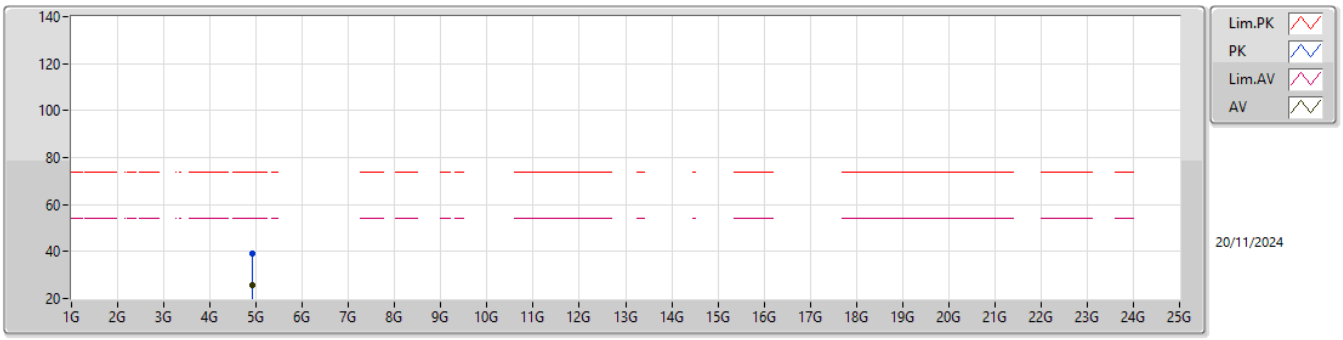
2462MHz_TX



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	2.4612G	101.47	Inf	-Inf	32.31	3	Vertical	133	2.12	69.16	27.70	4.61	-
AV	2.4835G	53.82	54.00	-0.18	32.48	3	Vertical	133	2.12	21.34	27.84	4.64	-
PK	2.4612G	110.66	Inf	-Inf	32.31	3	Vertical	133	2.12	78.35	27.70	4.61	-
PK	2.4835G	68.79	74.00	-5.21	32.48	3	Vertical	133	2.12	36.31	27.84	4.64	-

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

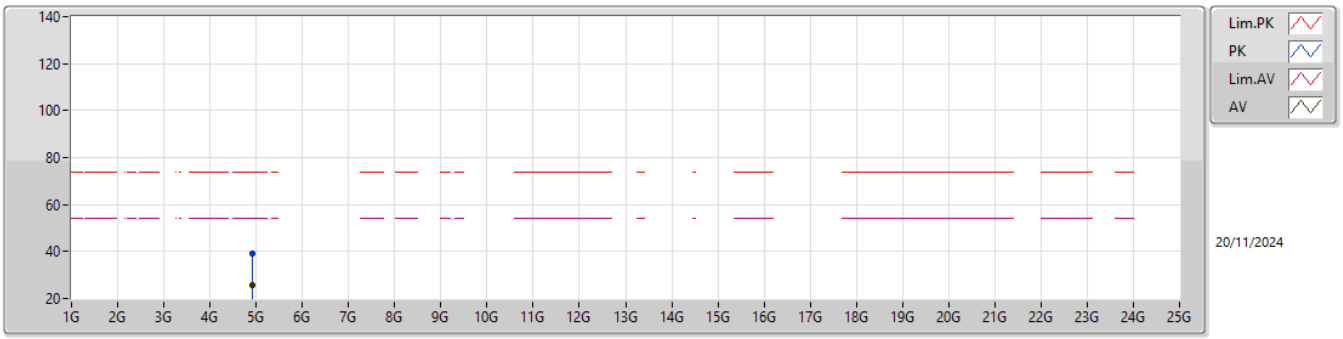
2462MHz_TX



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	4.914G	25.56	54.00	-28.44	4.35	3	Vertical	106.9	1.50	21.21	32.78	6.63	35.06
PK	4.922G	38.91	74.00	-35.09	4.40	3	Vertical	106.9	1.50	34.51	32.83	6.64	35.07

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

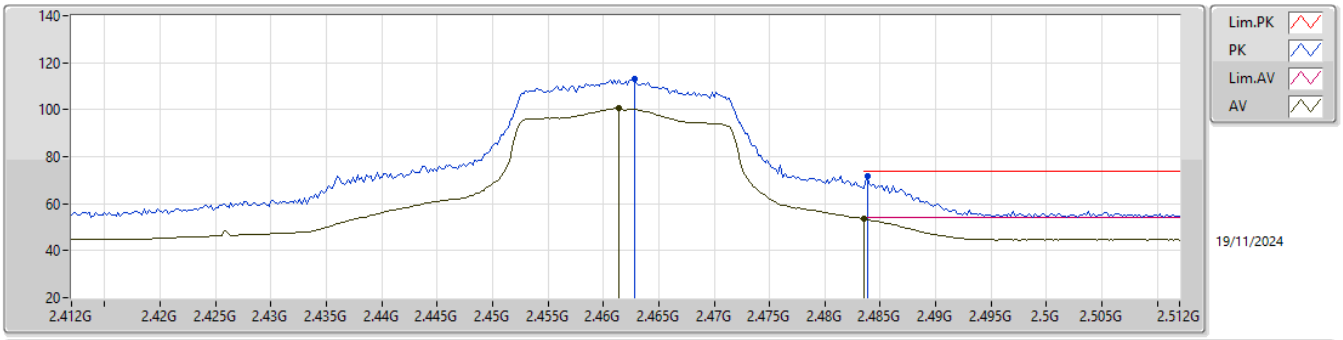
2462MHz_TX



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	4.91404G	25.61	54.00	-28.39	4.35	3	Horizontal	335	1.50	21.26	32.78	6.63	35.06
PK	4.91532G	39.17	74.00	-34.83	4.36	3	Horizontal	335	1.50	34.81	32.79	6.63	35.06

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

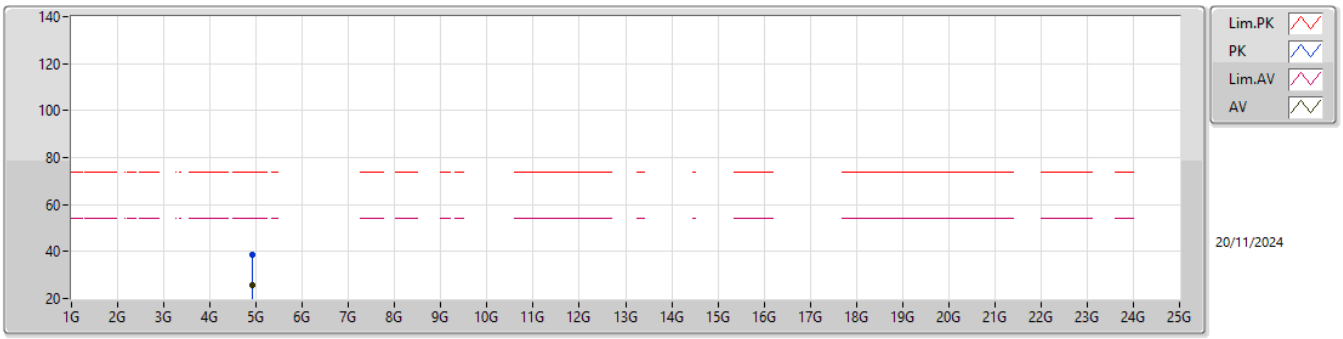
2462MHz_TX



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	2.4614G	100.52	Inf	-Inf	32.31	3	Vertical	135	2.11	68.21	27.70	4.61	-
AV	2.4835G	53.41	54.00	-0.59	32.48	3	Vertical	135	2.11	20.93	27.84	4.64	-
PK	2.4628G	113.06	Inf	-Inf	32.31	3	Vertical	135	2.11	80.75	27.70	4.61	-
PK	2.4838G	71.65	74.00	-2.35	32.48	3	Vertical	135	2.11	39.17	27.84	4.64	-

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

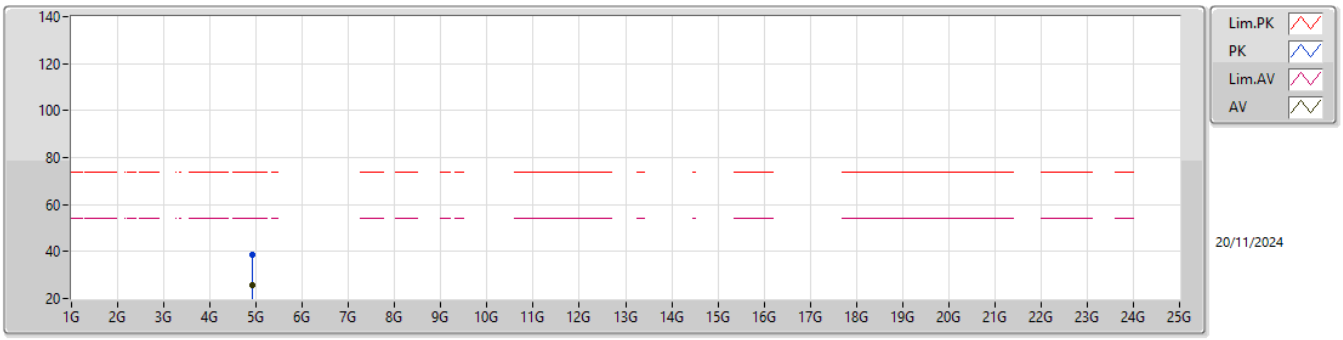
2462MHz_TX



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	4.91408G	25.70	54.00	-28.30	4.35	3	Vertical	57	1.50	21.35	32.78	6.63	35.06
PK	4.91948G	38.85	74.00	-35.15	4.39	3	Vertical	57	1.50	34.46	32.82	6.64	35.07

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_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	4.914G	25.69	54.00	-28.31	4.35	3	Horizontal	264	1.50	21.34	32.78	6.63	35.06
PK	4.92484G	38.47	74.00	-35.53	4.42	3	Horizontal	264	1.50	34.05	32.85	6.64	35.07

Summary

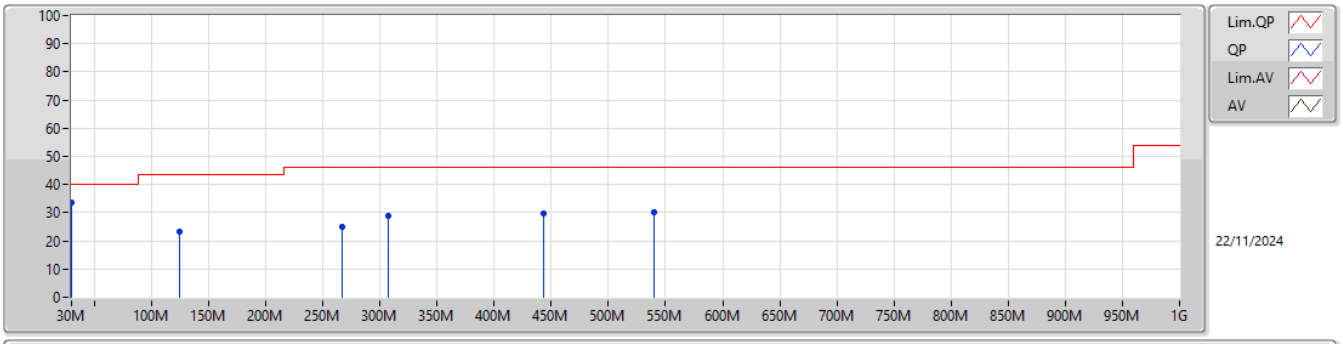
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	PK	30M	33.68	40.00	-6.32	3	Vertical	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2437MHz_PoE	Pass	PK	30M	33.68	40.00	-6.32	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	125.06M	23.27	43.50	-20.23	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	266.68M	24.96	46.00	-21.04	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	307.42M	28.94	46.00	-17.06	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	443.22M	29.88	46.00	-16.12	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	540.22M	30.23	46.00	-15.77	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	31.94M	30.72	40.00	-9.28	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	115.36M	24.32	43.50	-19.18	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	229.82M	26.61	46.00	-19.39	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	344.28M	31.31	46.00	-14.69	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	439.34M	30.95	46.00	-15.05	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	551.86M	31.21	46.00	-14.79	3	Horizontal	360	1.00

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

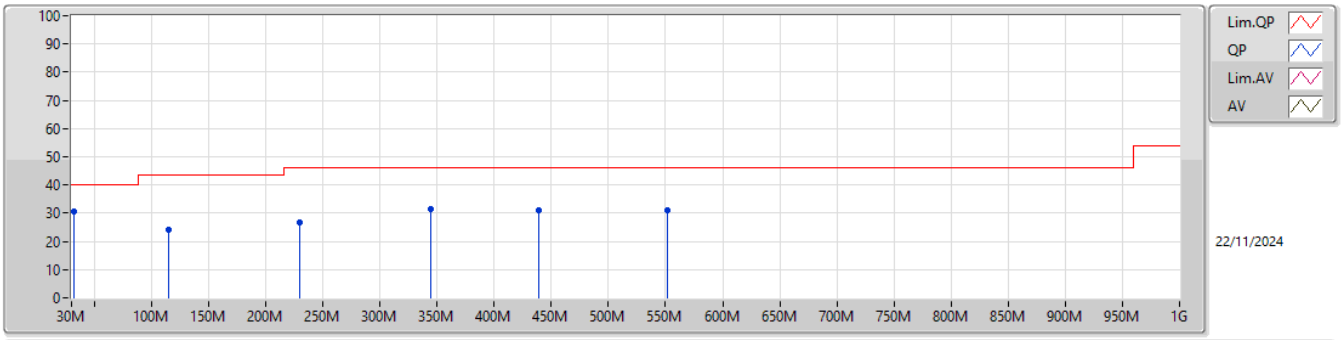
2437MHz_PoE



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	33.68	40.00	-6.32	-2.98	3	Vertical	0	1.00	36.66	23.18	1.23	27.39
PK	125.06M	23.27	43.50	-20.23	-8.48	3	Vertical	0	1.00	31.75	16.84	2.27	27.59
PK	266.68M	24.96	46.00	-21.04	-5.85	3	Vertical	0	1.00	30.81	17.83	3.37	27.05
PK	307.42M	28.94	46.00	-17.06	-5.21	3	Vertical	0	1.00	34.15	18.17	3.69	27.07
PK	443.22M	29.88	46.00	-16.12	-2.18	3	Vertical	0	1.00	32.06	21.30	4.54	28.02
PK	540.22M	30.23	46.00	-15.77	-0.14	3	Vertical	0	1.00	30.37	23.09	5.08	28.31

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2437MHz_PoE



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	31.94M	30.72	40.00	-9.28	-4.13	3	Horizontal	360	1.00	34.85	21.84	1.26	27.23
PK	115.36M	24.32	43.50	-19.18	-8.68	3	Horizontal	360	1.00	33.00	16.76	2.17	27.61
PK	229.82M	26.61	46.00	-19.39	-9.31	3	Horizontal	360	1.00	35.92	14.72	3.12	27.15
PK	344.28M	31.31	46.00	-14.69	-4.63	3	Horizontal	360	1.00	35.94	18.84	3.84	27.31
PK	439.34M	30.95	46.00	-15.05	-2.26	3	Horizontal	360	1.00	33.21	21.23	4.51	28.00
PK	551.86M	31.21	46.00	-14.79	0.36	3	Horizontal	360	1.00	30.85	23.52	5.15	28.31

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.4835G	49.88	54.00	-4.12	3	Horizontal	327	1.50
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4844G	52.97	54.00	-1.03	3	Horizontal	335	1.50
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.38	54.00	-0.62	3	Horizontal	330	1.50

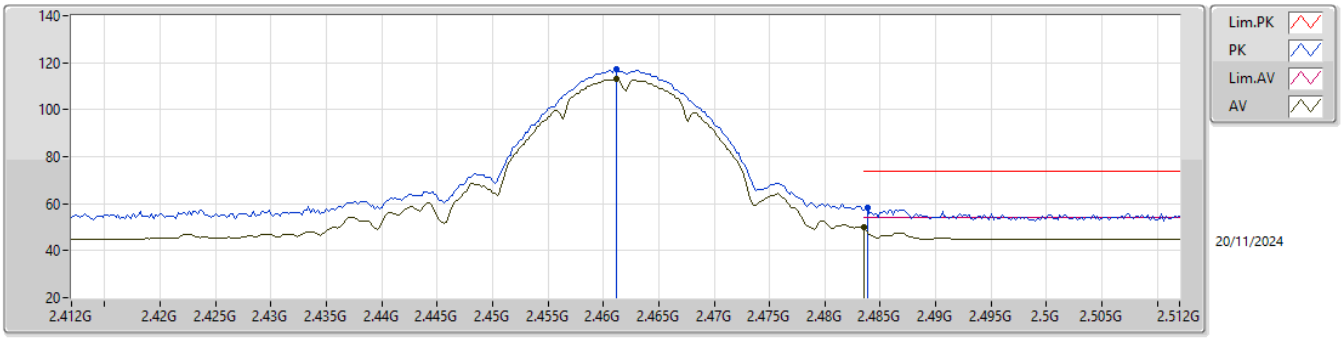
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	45.17	54.00	-8.83	3	Horizontal	322	1.02
2412MHz	Pass	AV	2.4112G	113.27	Inf	-Inf	3	Horizontal	322	1.02
2412MHz	Pass	PK	2.39G	56.65	74.00	-17.35	3	Horizontal	322	1.02
2412MHz	Pass	PK	2.411G	117.19	Inf	-Inf	3	Horizontal	322	1.02
2412MHz	Pass	AV	4.82394G	32.45	54.00	-21.55	3	Vertical	0	1.68
2412MHz	Pass	PK	4.82388G	41.69	74.00	-32.31	3	Vertical	0	1.68
2412MHz	Pass	AV	4.82394G	38.65	54.00	-15.35	3	Horizontal	355	2.13
2412MHz	Pass	PK	4.82394G	44.46	74.00	-29.54	3	Horizontal	355	2.13
2437MHz	Pass	AV	2.3898G	43.98	54.00	-10.02	3	Horizontal	328	1.21
2437MHz	Pass	AV	2.4362G	113.07	Inf	-Inf	3	Horizontal	328	1.21
2437MHz	Pass	AV	2.4835G	44.82	54.00	-9.18	3	Horizontal	328	1.21
2437MHz	Pass	PK	2.3882G	56.15	74.00	-17.85	3	Horizontal	328	1.21
2437MHz	Pass	PK	2.4362G	117.07	Inf	-Inf	3	Horizontal	328	1.21
2437MHz	Pass	PK	2.4842G	56.22	74.00	-17.78	3	Horizontal	328	1.21
2437MHz	Pass	AV	4.87394G	31.89	54.00	-22.11	3	Vertical	12	1.60
2437MHz	Pass	PK	4.87424G	40.89	74.00	-33.11	3	Vertical	12	1.60
2437MHz	Pass	AV	4.87394G	34.90	54.00	-19.10	3	Horizontal	12	1.66
2437MHz	Pass	PK	4.874G	42.98	74.00	-31.02	3	Horizontal	12	1.66
2462MHz	Pass	AV	2.4612G	113.13	Inf	-Inf	3	Horizontal	327	1.50
2462MHz	Pass	AV	2.4835G	49.88	54.00	-4.12	3	Horizontal	327	1.50
2462MHz	Pass	PK	2.4612G	117.06	Inf	-Inf	3	Horizontal	327	1.50
2462MHz	Pass	PK	2.4838G	58.05	74.00	-15.95	3	Horizontal	327	1.50
2462MHz	Pass	AV	4.92394G	36.84	54.00	-17.16	3	Vertical	348	2.67
2462MHz	Pass	PK	4.92406G	43.00	74.00	-31.00	3	Vertical	348	2.67
2462MHz	Pass	AV	4.92394G	38.86	54.00	-15.14	3	Horizontal	356	1.82
2462MHz	Pass	PK	4.92394G	43.96	74.00	-30.04	3	Horizontal	356	1.82
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.20	54.00	-1.80	3	Horizontal	315	1.42
2412MHz	Pass	AV	2.4138G	106.49	Inf	-Inf	3	Horizontal	315	1.42
2412MHz	Pass	PK	2.3898G	66.07	74.00	-7.93	3	Horizontal	315	1.42
2412MHz	Pass	PK	2.4138G	116.49	Inf	-Inf	3	Horizontal	315	1.42
2412MHz	Pass	AV	4.82388G	27.01	54.00	-26.99	3	Vertical	0	1.67
2412MHz	Pass	PK	4.81818G	40.11	74.00	-33.89	3	Vertical	0	1.67
2412MHz	Pass	AV	4.82772G	27.81	54.00	-26.19	3	Horizontal	323	1.50
2412MHz	Pass	PK	4.8276G	40.74	74.00	-33.26	3	Horizontal	323	1.50
2417MHz	Pass	AV	2.39G	50.80	54.00	-3.20	3	Horizontal	333	1.32
2417MHz	Pass	AV	2.4176G	108.76	Inf	-Inf	3	Horizontal	333	1.32
2417MHz	Pass	PK	2.39G	65.85	74.00	-8.15	3	Horizontal	333	1.32
2417MHz	Pass	PK	2.4176G	118.52	Inf	-Inf	3	Horizontal	333	1.32
2437MHz	Pass	AV	2.3898G	44.28	54.00	-9.72	3	Horizontal	330	1.20
2437MHz	Pass	AV	2.4354G	107.14	Inf	-Inf	3	Horizontal	330	1.20
2437MHz	Pass	AV	2.4835G	45.11	54.00	-8.89	3	Horizontal	330	1.20
2437MHz	Pass	PK	2.3562G	56.02	74.00	-17.98	3	Horizontal	330	1.20
2437MHz	Pass	PK	2.435G	117.80	Inf	-Inf	3	Horizontal	330	1.20
2437MHz	Pass	PK	2.4854G	56.44	74.00	-17.56	3	Horizontal	330	1.20
2437MHz	Pass	AV	4.87712G	27.33	54.00	-26.67	3	Vertical	18	1.49
2437MHz	Pass	PK	4.8716G	40.71	74.00	-33.29	3	Vertical	18	1.49
2437MHz	Pass	AV	4.87562G	28.18	54.00	-25.82	3	Horizontal	11	2.02
2437MHz	Pass	PK	4.8791G	41.00	74.00	-33.00	3	Horizontal	11	2.02
2457MHz	Pass	AV	2.4574G	106.72	Inf	-Inf	3	Horizontal	332	1.50
2457MHz	Pass	AV	2.4835G	51.31	54.00	-2.69	3	Horizontal	332	1.50
2457MHz	Pass	PK	2.4578G	116.51	Inf	-Inf	3	Horizontal	332	1.50
2457MHz	Pass	PK	2.4835G	65.27	74.00	-8.73	3	Horizontal	332	1.50
2462MHz	Pass	AV	2.4604G	105.82	Inf	-Inf	3	Horizontal	335	1.50
2462MHz	Pass	AV	2.4844G	52.97	54.00	-1.03	3	Horizontal	335	1.50
2462MHz	Pass	PK	2.4602G	116.16	Inf	-Inf	3	Horizontal	335	1.50
2462MHz	Pass	PK	2.4846G	67.54	74.00	-6.46	3	Horizontal	335	1.50
2462MHz	Pass	AV	4.92712G	26.72	54.00	-27.28	3	Vertical	19	1.71
2462MHz	Pass	PK	4.9315G	39.95	74.00	-34.05	3	Vertical	19	1.71
2462MHz	Pass	AV	4.9231G	27.67	54.00	-26.33	3	Horizontal	353	1.81

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	PK	4.92232G	41.06	74.00	-32.94	3	Horizontal	353	1.81
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	50.43	54.00	-3.57	3	Horizontal	330	1.38
2412MHz	Pass	AV	2.4128G	107.38	Inf	-Inf	3	Horizontal	330	1.38
2412MHz	Pass	PK	2.39G	65.13	74.00	-8.87	3	Horizontal	330	1.38
2412MHz	Pass	PK	2.4132G	119.49	Inf	-Inf	3	Horizontal	330	1.38
2412MHz	Pass	AV	4.82394G	26.89	54.00	-27.11	3	Vertical	11	1.70
2412MHz	Pass	PK	4.81044G	40.07	74.00	-33.93	3	Vertical	11	1.70
2412MHz	Pass	AV	4.8264G	27.54	54.00	-26.46	3	Horizontal	345	2.58
2412MHz	Pass	PK	4.82514G	40.61	74.00	-33.39	3	Horizontal	345	2.58
2417MHz	Pass	AV	2.39G	52.94	54.00	-1.06	3	Horizontal	328	1.32
2417MHz	Pass	AV	2.4176G	108.44	Inf	-Inf	3	Horizontal	328	1.32
2417MHz	Pass	PK	2.39G	67.66	74.00	-6.34	3	Horizontal	328	1.32
2417MHz	Pass	PK	2.4158G	120.73	Inf	-Inf	3	Horizontal	328	1.32
2437MHz	Pass	AV	2.3898G	44.25	54.00	-9.75	3	Horizontal	326	1.21
2437MHz	Pass	AV	2.4362G	107.94	Inf	-Inf	3	Horizontal	326	1.21
2437MHz	Pass	AV	2.4835G	45.56	54.00	-8.44	3	Horizontal	326	1.21
2437MHz	Pass	PK	2.341G	56.52	74.00	-17.48	3	Horizontal	326	1.21
2437MHz	Pass	PK	2.4374G	119.87	Inf	-Inf	3	Horizontal	326	1.21
2437MHz	Pass	PK	2.4838G	57.80	74.00	-16.20	3	Horizontal	326	1.21
2437MHz	Pass	AV	4.87712G	26.89	54.00	-27.11	3	Vertical	333	2.75
2437MHz	Pass	PK	4.87226G	40.35	74.00	-33.65	3	Vertical	333	2.75
2437MHz	Pass	AV	4.87556G	27.75	54.00	-26.25	3	Horizontal	9	1.70
2437MHz	Pass	PK	4.8716G	40.88	74.00	-33.12	3	Horizontal	9	1.70
2457MHz	Pass	AV	2.4578G	106.78	Inf	-Inf	3	Horizontal	326	1.15
2457MHz	Pass	AV	2.4835G	53.37	54.00	-0.63	3	Horizontal	326	1.15
2457MHz	Pass	PK	2.4572G	118.97	Inf	-Inf	3	Horizontal	326	1.15
2457MHz	Pass	PK	2.4835G	71.09	74.00	-2.91	3	Horizontal	326	1.15
2462MHz	Pass	AV	2.4626G	104.46	Inf	-Inf	3	Horizontal	330	1.50
2462MHz	Pass	AV	2.4835G	53.38	54.00	-0.62	3	Horizontal	330	1.50
2462MHz	Pass	PK	2.4624G	116.66	Inf	-Inf	3	Horizontal	330	1.50
2462MHz	Pass	PK	2.4838G	68.86	74.00	-5.14	3	Horizontal	330	1.50
2462MHz	Pass	AV	4.91686G	26.47	54.00	-27.53	3	Vertical	39	1.50
2462MHz	Pass	PK	4.92772G	39.74	74.00	-34.26	3	Vertical	39	1.50
2462MHz	Pass	AV	4.92004G	26.93	54.00	-27.07	3	Horizontal	348	1.50
2462MHz	Pass	PK	4.91698G	39.55	74.00	-34.45	3	Horizontal	348	1.50

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

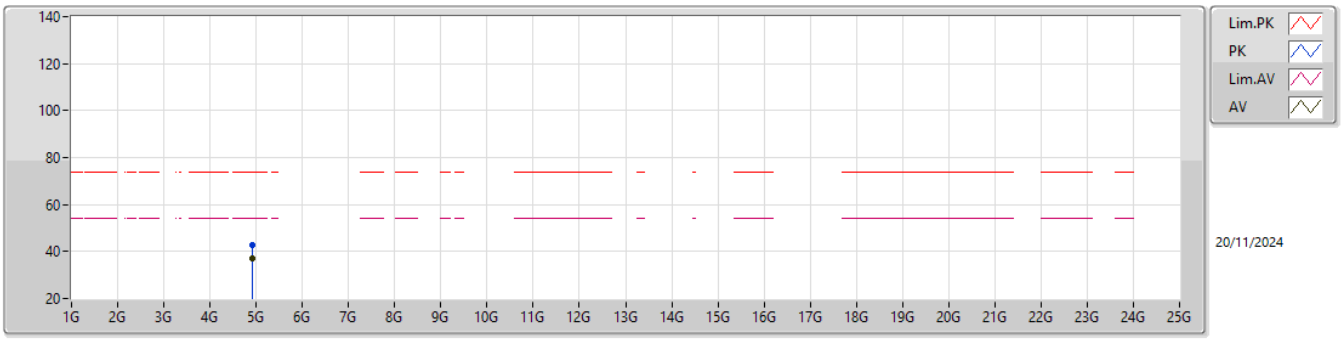
2462MHz_TX



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	2.4612G	113.13	Inf	-Inf	32.31	3	Horizontal	327	1.50	80.82	27.70	4.61	-
AV	2.4835G	49.88	54.00	-4.12	32.48	3	Horizontal	327	1.50	17.40	27.84	4.64	-
PK	2.4612G	117.06	Inf	-Inf	32.31	3	Horizontal	327	1.50	84.75	27.70	4.61	-
PK	2.4838G	58.05	74.00	-15.95	32.48	3	Horizontal	327	1.50	25.57	27.84	4.64	-

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

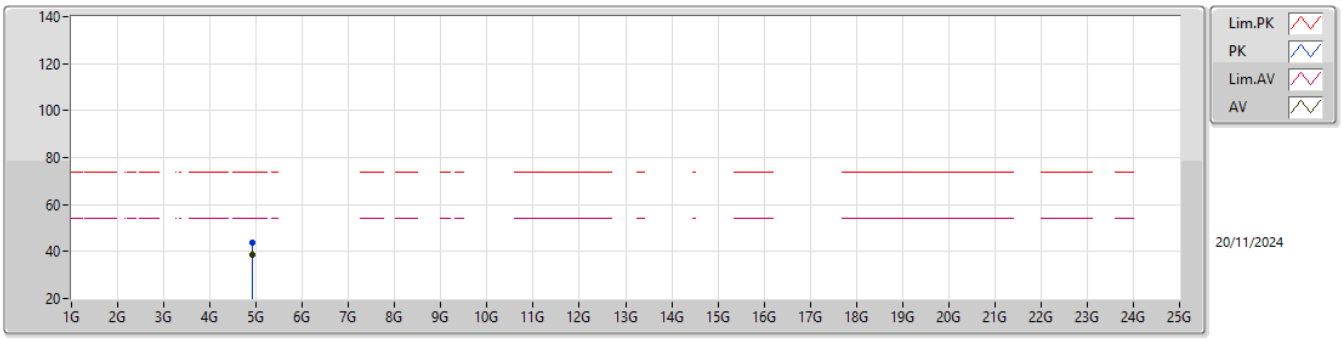
2462MHz_TX



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	4.92394G	36.84	54.00	-17.16	4.41	3	Vertical	348	2.67	32.43	32.84	6.64	35.07
PK	4.92406G	43.00	74.00	-31.00	4.41	3	Vertical	348	2.67	38.59	32.84	6.64	35.07

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

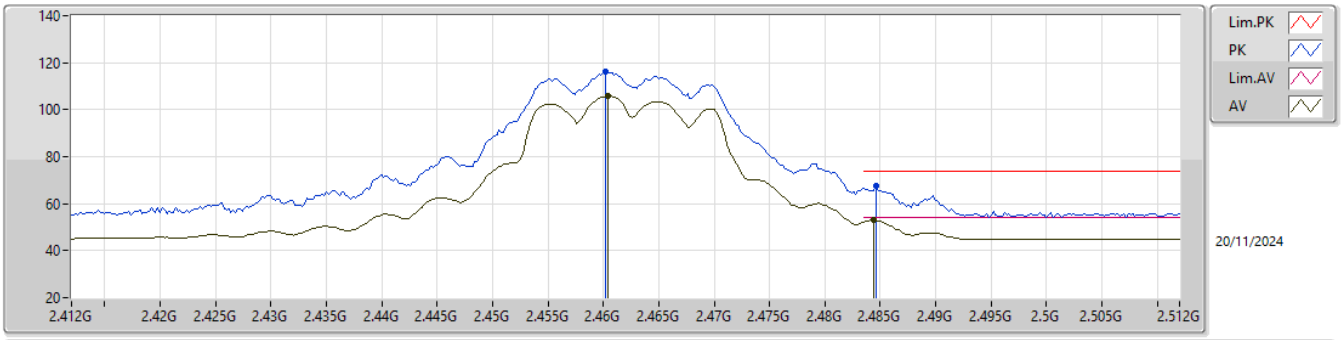
2462MHz_TX



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	4.92394G	38.86	54.00	-15.14	4.41	3	Horizontal	356	1.82	34.45	32.84	6.64	35.07
PK	4.92394G	43.96	74.00	-30.04	4.41	3	Horizontal	356	1.82	39.55	32.84	6.64	35.07

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

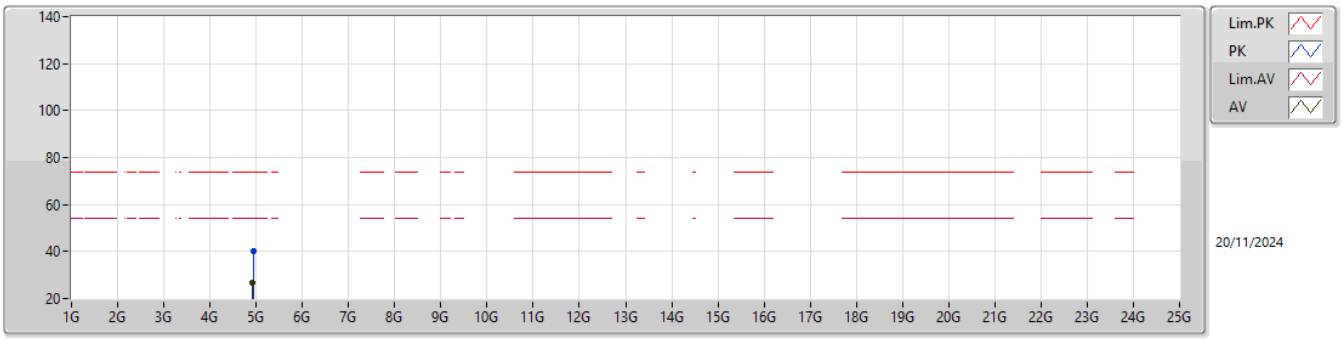
2462MHz_TX



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	2.4604G	105.82	Inf	-Inf	32.31	3	Horizontal	335	1.50	73.51	27.70	4.61	-
AV	2.4844G	52.97	54.00	-1.03	32.48	3	Horizontal	335	1.50	20.49	27.84	4.64	-
PK	2.4602G	116.16	Inf	-Inf	32.31	3	Horizontal	335	1.50	83.85	27.70	4.61	-
PK	2.4846G	67.54	74.00	-6.46	32.49	3	Horizontal	335	1.50	35.05	27.85	4.64	-

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

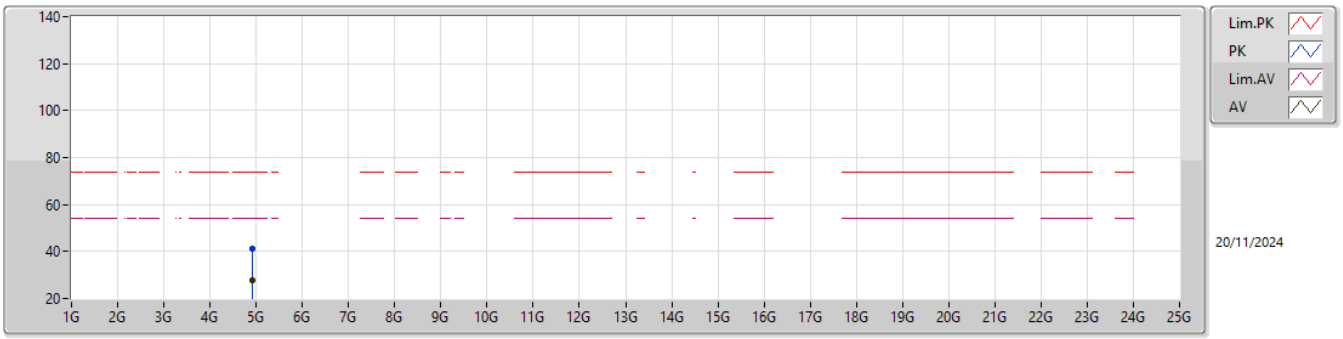
2462MHz_TX



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	4.92712G	26.72	54.00	-27.28	4.43	3	Vertical	19	1.71	22.29	32.86	6.64	35.07
PK	4.9315G	39.95	74.00	-34.05	4.47	3	Vertical	19	1.71	35.48	32.89	6.65	35.07

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

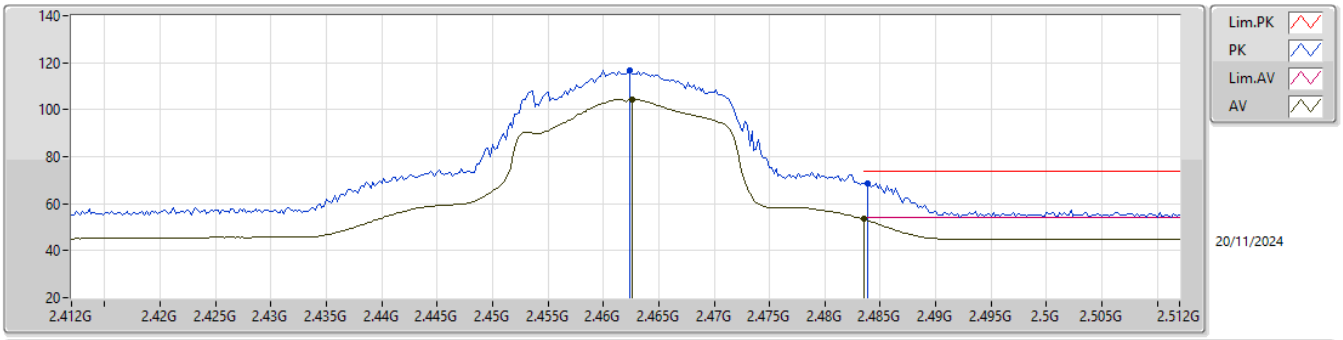
2462MHz_TX



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	4.9231G	27.67	54.00	-26.33	4.41	3	Horizontal	353	1.81	23.26	32.84	6.64	35.07
PK	4.92232G	41.06	74.00	-32.94	4.40	3	Horizontal	353	1.81	36.66	32.83	6.64	35.07

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

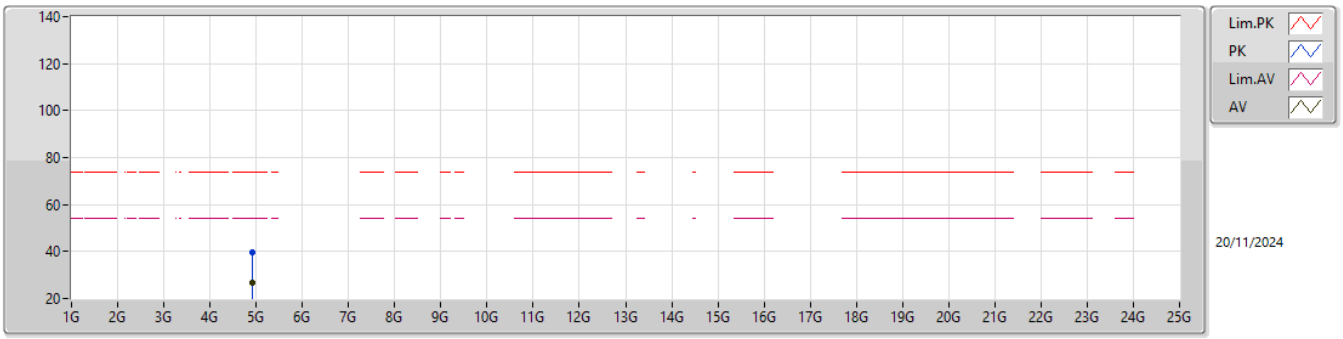
2462MHz_TX



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	2.4626G	104.46	Inf	-Inf	32.31	3	Horizontal	330	1.50	72.15	27.70	4.61	-
AV	2.4835G	53.38	54.00	-0.62	32.48	3	Horizontal	330	1.50	20.90	27.84	4.64	-
PK	2.4624G	116.66	Inf	-Inf	32.31	3	Horizontal	330	1.50	84.35	27.70	4.61	-
PK	2.4838G	68.86	74.00	-5.14	32.48	3	Horizontal	330	1.50	36.38	27.84	4.64	-

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

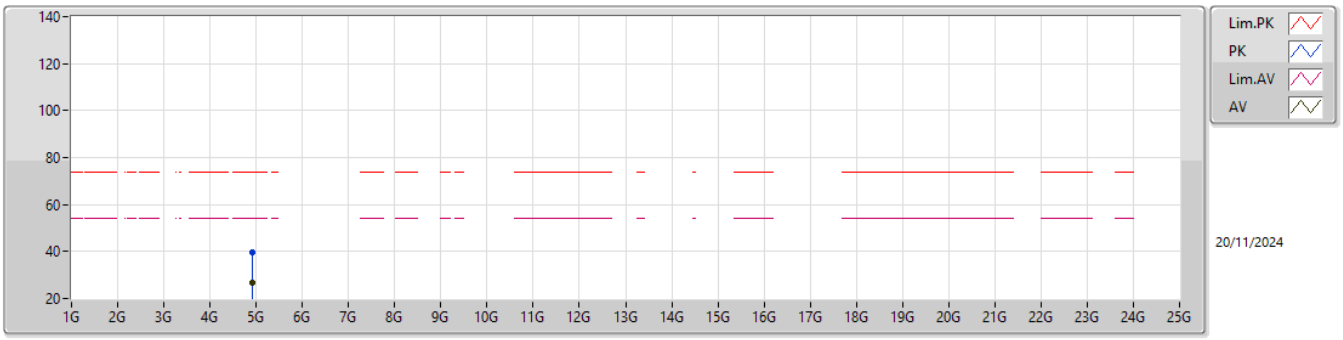
2462MHz_TX



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	4.91686G	26.47	54.00	-27.53	4.36	3	Vertical	39	1.50	22.11	32.80	6.63	35.07
PK	4.92772G	39.74	74.00	-34.26	4.44	3	Vertical	39	1.50	35.30	32.87	6.64	35.07

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

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	4.92004G	26.93	54.00	-27.07	4.39	3	Horizontal	348	1.50	22.54	32.82	6.64	35.07
PK	4.91698G	39.55	74.00	-34.45	4.36	3	Horizontal	348	1.50	35.19	32.80	6.63	35.07

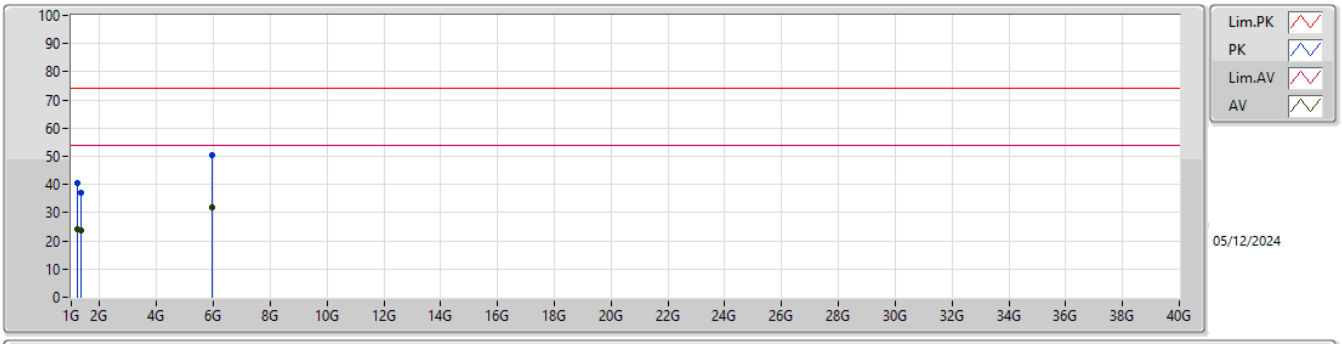
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	5.68084G	52.35	74.00	-21.65	Horizontal

Result

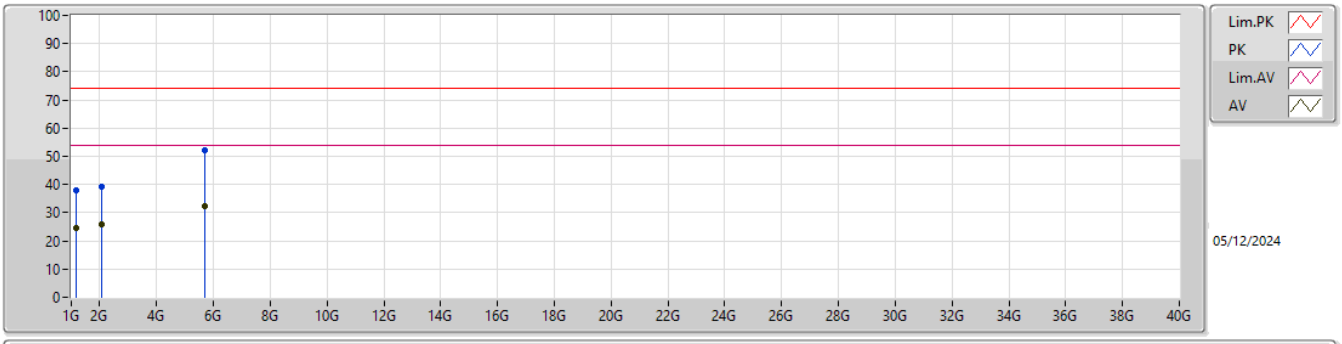
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	1.19615G	24.03	54.00	-29.97	3	Vertical	244	2.00
Mode 1	Pass	AV	1.35411G	23.68	54.00	-30.32	3	Vertical	162	1.00
Mode 1	Pass	AV	5.96115G	31.86	54.00	-22.14	3	Vertical	28	1.52
Mode 1	Pass	PK	1.19615G	40.59	74.00	-33.41	3	Vertical	244	2.00
Mode 1	Pass	PK	1.35411G	37.09	74.00	-36.91	3	Vertical	162	1.00
Mode 1	Pass	PK	5.96115G	50.24	74.00	-23.76	3	Vertical	28	1.52
Mode 1	Pass	AV	1.15423G	24.56	54.00	-29.44	3	Horizontal	341	1.04
Mode 1	Pass	AV	2.07577G	25.94	54.00	-28.06	3	Horizontal	30	1.00
Mode 1	Pass	AV	5.68084G	32.13	54.00	-21.87	3	Horizontal	27	2.00
Mode 1	Pass	PK	1.15423G	37.73	74.00	-36.27	3	Horizontal	341	1.04
Mode 1	Pass	PK	2.07577G	39.42	74.00	-34.58	3	Horizontal	30	1.00
Mode 1	Pass	PK	5.68084G	52.35	74.00	-21.65	3	Horizontal	27	2.00

Radiated Emissions above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV)	(dB/m)	(dB)	(dB)
AV	1.19615G	24.03	54.00	-29.97	-6.32	3	Vertical	244	2.00	30.35	26.10	3.14	35.56
AV	1.35411G	23.68	54.00	-30.32	-6.12	3	Vertical	162	1.00	29.80	25.86	3.35	35.33
AV	5.96115G	31.86	54.00	-22.14	6.08	3	Vertical	28	1.52	25.78	34.02	7.32	35.26
PK	1.19615G	40.59	74.00	-33.41	-6.32	3	Vertical	244	2.00	46.91	26.10	3.14	35.56
PK	1.35411G	37.09	74.00	-36.91	-6.12	3	Vertical	162	1.00	43.21	25.86	3.35	35.33
PK	5.96115G	50.24	74.00	-23.76	6.08	3	Vertical	28	1.52	44.16	34.02	7.32	35.26

Radiated Emissions above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV)	(dB/m)	(dB)	(dB)
AV	1.15423G	24.56	54.00	-29.44	-6.47	3	Horizontal	341	1.04	31.03	26.06	3.09	35.62
AV	2.07577G	25.94	54.00	-28.06	-3.29	3	Horizontal	30	1.00	29.23	27.50	4.21	35.00
AV	5.68084G	32.13	54.00	-21.87	5.45	3	Horizontal	27	2.00	26.68	33.41	7.19	35.15
PK	1.15423G	37.73	74.00	-36.27	-6.47	3	Horizontal	341	1.04	44.20	26.06	3.09	35.62
PK	2.07577G	39.42	74.00	-34.58	-3.29	3	Horizontal	30	1.00	42.71	27.50	4.21	35.00
PK	5.68084G	52.35	74.00	-21.65	5.45	3	Horizontal	27	2.00	46.90	33.41	7.19	35.15