SPORTON LAB.

Project No : FR3N2221AC

VERIFICATION OF COMPLIANCE

Equipment	:	**Industrial Wi-Fi 6 wireless access points / Industrial Wi-Fi 6 wireless clients**
Model No.	:	**AWK-1161C-UN, AWK-1165C-UN, AWK-1161C-UN-T, AWK-1165C-UN-T, AWK-1161C-US, AWK-1165C-US, AWK-1161C-US-T, AWK-1165C-US-T, AWK-1161A-UN, AWK-1165A-UN, AWK-1161A-UN-T, AWK-1165A-UN-T, AWK-1161A-US, AWK-1165A-US, AWK-1161A-US-T, AWK-1165A-US-T**
Applicant	:	**Moxa Inc.** No. 1111, Heping Rd., Bade Dist., Taoyuan City 334004, Taiwan

SPORTON LAB.

I HEREBY DECLARE THAT :

The equipment was **Passed** the test performed according to

47 CFR FCC Part 15.247

The test was carried out on **Dec. 19, 2023** at **SPORTON INTERNATIONAL INC. Hsinhua Laboratory.**

Jackson Tsai

Jackson Tsai

FCC Radio Test Report

FCC ID	:	**SLE-AWK1160**
Equipment	:	**Industrial Wi-Fi 6 wireless access points / Industrial Wi-Fi 6 wireless clients**
Brand Name	:	**MOXA**
Model Name	:	**AWK-1161C-UN, AWK-1165C-UN, AWK-1161C-UN-T, AWK-1165C-UN-T, AWK-1161C-US, AWK-1165C-US, AWK-1161C-US-T, AWK-1165C-US-T, AWK-1161A-UN, AWK-1165A-UN, AWK-1161A-UN-T, AWK-1165A-UN-T, AWK-1161A-US, AWK-1165A-US, AWK-1161A-US-T, AWK-1165A-US-T**
EUT Rated Voltage Range	:	**DC 9V ~ 30V**
Applicant	:	**Moxa Inc. No. 1111, Heping Rd., Bade Dist., Taoyuan City 334004, Taiwan**
Manufacturer	:	**Moxa Inc. No. 1111, Heping Rd., Bade Dist., Taoyuan City 334004, Taiwan**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Nov. 23, 2023, and testing was started from Dec. 14, 2023 and completed on Dec. 19, 2023. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR3N2221AC	01	Initial issue of report	Feb. 21, 2024

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
-	15.207	AC Power-line Conducted Emissions	Not Required	Only employ DC power.
3.1	15.247(a)	DTS Bandwidth	PASS	-
3.2	15.247(b)	Maximum Conducted Output Power	PASS	-
3.3	15.247(e)	Power Spectral Density	PASS	-
3.4	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.5	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: Ryan Hsiao

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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	MOXA	ANT-WDB-ARM-02	Dipole	Reverse SMA	2.4GHz+5GHz
2	MOXA	ANT-WDB-ARM-0202	Dipole	Reverse SMA	2.4GHz+5GHz
3	MOXA	ANT-WSB-AHRM-05-1.5m	Dipole	Reverse SMA	2.4GHz
4	MOXA	MAT-WDB-CA-RM-2-0205	Dipole	Reverse SMA	2.4GHz+5GHz
5	MOXA	MAT-WDB-DA-RM-2-0203-1m	Dipole	Reverse SMA	2.4GHz+5GHz

Ant.	Gain (dBi)	
	2.4G	5G
1	2	2
2	2	2
3	5	-
4	2	5
5	2	3

Note 1: The EUT has five groups of antenna, each group is 2 antennas.
Note 2: EUT can match with above antennas for using. Higher gain in each group 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/VHT/ax mode (2TX/2RX)
Ant. 1, Ant 2, Ant 3, Ant 4, Ant 5 could transmit/receive simultaneously.

For 5GHz function:
For IEEE 802.11 a/n/ac/ax mode (2TX/2RX)
Ant. 1, Ant 2, Ant 4, Ant 5 could transmit/receive simultaneously

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

Mode	DC	DCF (dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.807	0.93	689.063u	3k
802.11g_Nss1,(6Mbps)_2TX	0.919	0.37	1.977m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.979	0.09	5.364m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.973	0.12	5.407m	300

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

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model name	Model difference		
	client / AP	10/100/1000 BaseT(X) port	operating temperature
AWK-1161C-US	client	1	-25 to 60°C
AWK-1161C-US-T	client	1	-40 to 75°C
AWK-1161C-UN	client	1	-25 to 60°C
AWK-1161C-UN-T	client	1	-40 to 75°C
AWK-1161A-US	AP	1	-25 to 60°C
AWK-1161A-US-T	AP	1	-40 to 75°C
AWK-1161A-UN	AP	1	-25 to 60°C
AWK-1161A-UN-T	AP	1	-40 to 75°C
AWK-1165C-US	client	5	-25 to 60°C
AWK-1165C-US-T	client	5	-40 to 75°C
AWK-1165C-UN	client	5	-25 to 60°C
AWK-1165C-UN-T	client	5	-40 to 75°C
AWK-1165A-US	AP	5	-25 to 60°C
AWK-1165A-US-T	AP	5	-40 to 75°C
AWK-1165A-UN	AP	5	-25 to 60°C
AWK-1165A-UN-T	AP	5	-40 to 75°C

From the above models, model: AWK-1165C-US-T was selected as representative model for the test and its data was recorded in this report.
Note 1：Client, AP mode and band: All these features are defined by software, to fulfil different condition of use.
Note 2：LAN Ports: For different condition of use, product supports 1 LAN port or 5 LAN ports, it depends on product equipped with I/O board or not.
Note 3：Operating temperature: Model name with -T character, product equipped with heatsink on surface to ensure better cooling capacity.

1.2 Testing Applied Standards

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

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

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

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

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua **(TAF:** 3785**)**	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		**FAX:** 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
RF Conducted	TH07-HY	Sonic Li	21.1~22.8°C / 63~68%	19/Dec/2023
Radiated	03CH02-HY	Vasari Huang	20.3~23.4°C / 50~52%	14/Dec/2023~19/Dec/2023
☐ Wen 33rd.St. **(TAF:** 3785**)**	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		**FAX:** 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	**Uncertainty**	**Remark**
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_00085.3

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	26
2417MHz	27
2437MHz	27
2457MHz	26
2462MHz	25
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	23.5
2417MHz	24
2437MHz	27
2457MHz	24
2462MHz	23.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	24
2417MHz	24.5
2437MHz	26.5
2457MHz	23.5
2462MHz	23.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	22.5
2437MHz	21
2447MHz	19
2452MHz	19

2.2 The Worst Case Measurement Configuration

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	DC Power Supply		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT			V

2.3 Accessories

Accessories				
Antenna 1*2	Brand Name	MOXA	Model Name	ANT-WDB-ARM-02
Antenna 2*2	Brand Name	MOXA	Model Name	ANT-WDB-ARM-0202
Antenna 3*2	Brand Name	MOXA	Model Name	ANT-WSB-AHRM-05-1.5m
Antenna 4*2	Brand Name	MOXA	Model Name	MAT-WDB-CA-RM-2-0205
Antenna 5*2	Brand Name	MOXA	Model Name	MAT-WDB-DA-RM-2-0203-1m

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

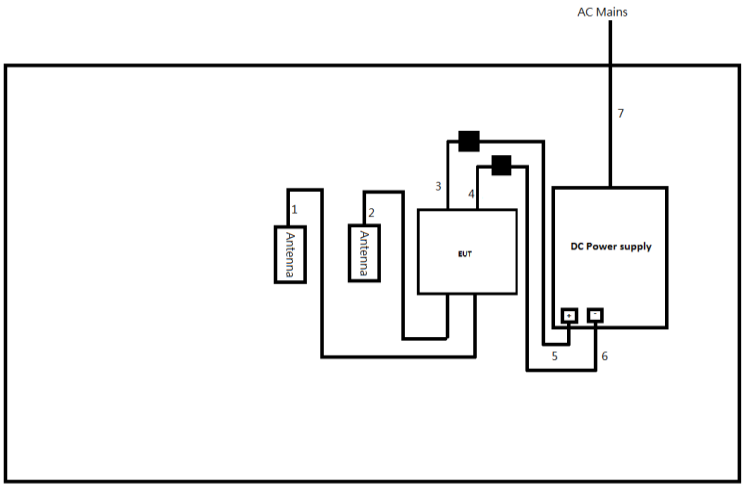
2.4 Support Equipment

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	DC Power Supply	GW	GPC-6030D	-	-
2	Notebook	DELL	E5410	-	-
3	Adapter for NB	DELL	HA65NM130	-	-
4	LAN to RS232 Cable	MOXA	CBL-RJ45F9-150	-	Provided by Customer
5	Console	MOXA	Uport 1150	-	Provided by Customer

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	DC Power Supply	GW	GPS-3030DD	-	-
2	DC Power cable	MiSUMi	WTN1228-RED	-	-
3	DC Power cable	MiSUMi	WTN1228-BLACK	-	-
4	AC power cable	Power sync	PW-GPC180-3	-	-
5	Fixture cable * 2	Sporton	Sporton	-	-

2.5 Test Setup Diagram

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	Antenna cable	No	1.5	-
2	Antenna cable	No	1.5	-
3	Fixture cable	No	0.2	-
4	Fixture cable	No	0.2	-
5	DC Power cable(+)	No	1.0	-
6	DC Power cable(-)	No	1.0	-
7	AC Power cable	No	1.8	-

3 Transmitter Test Result

3.1 DTS Bandwidth

3.1.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

3.1.2 Measuring Instruments

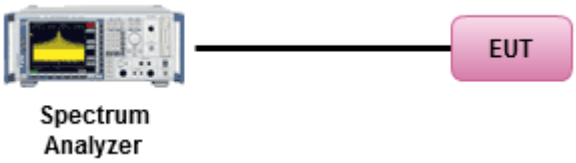
Refer a test equipment and calibration data table in this test report.

3.1.3 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.

3.1.4 Test Setup

Emission Bandwidth



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 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.			

3.2.2 Measuring Instruments

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

3.2.3 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]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Power Spectral Density

3.3.1 Power Spectral Density Limit

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

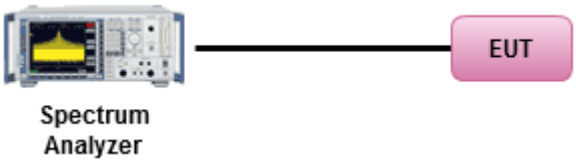
3.3.2 Measuring Instruments

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

3.3.3 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.

3.3.4 Test Setup

Power Spectral Density


3.3.5 Test Result of Power Spectral Density

Refer as Appendix C

3.4 Emissions in Non-restricted Frequency Bands

3.4.1 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.	

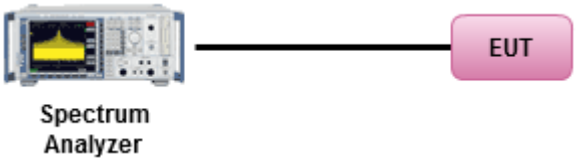
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.4.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

3.5 Emissions in Restricted Frequency Bands

3.5.1 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.

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

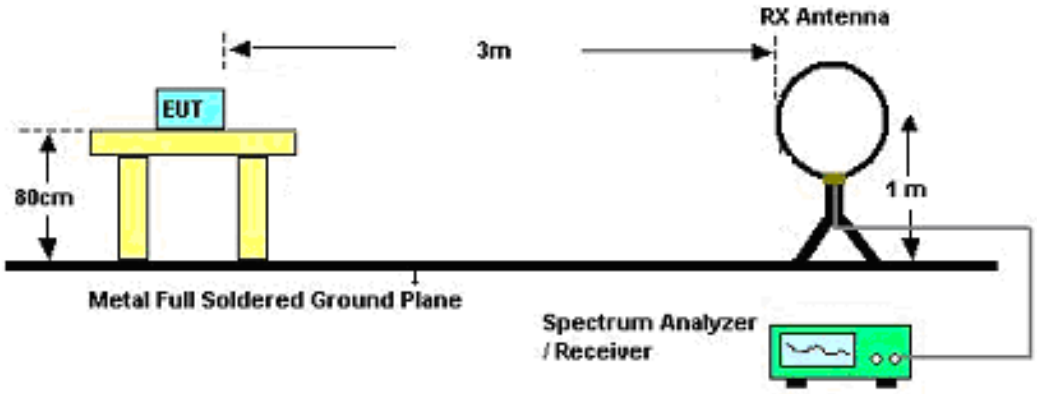
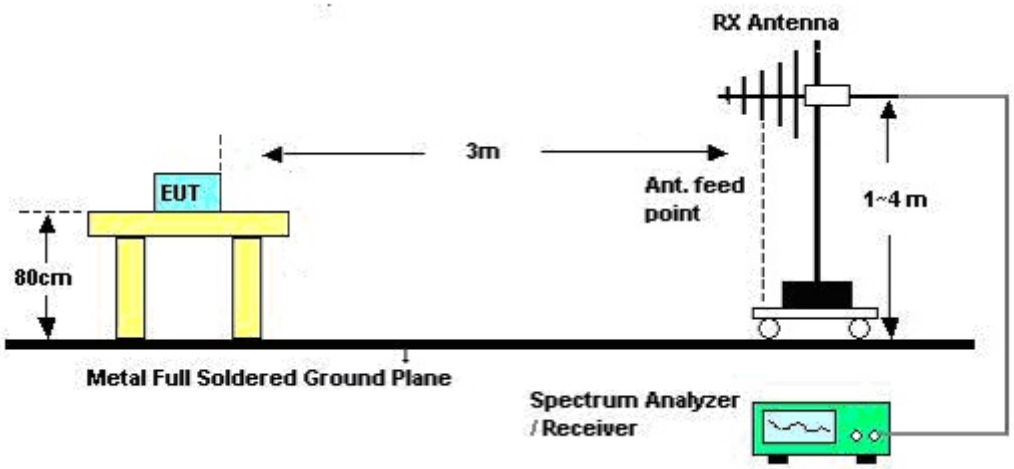
Test Method	
▪	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
▪	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted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

3.5.4 Measurement Results Calculation

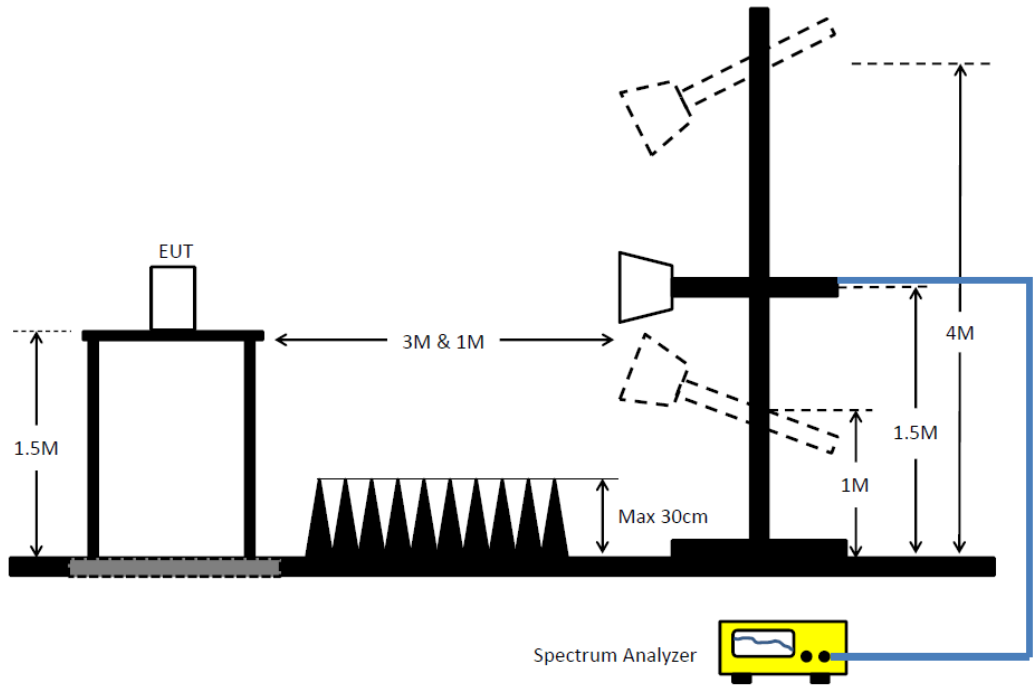
The measured Level is calculated using:

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

3.5.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.5.6 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.

3.5.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix E

4 Test Equipment and Calibration Data

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	14/Feb/2023	13/Feb/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	2105003	300MHz~40GHz	19/Sep/2023	18/Sep/2024
Pulse Sensor	Anritsu	MA2411B	1911254	300MHz~40GHz	19/Sep/2022	18/Sep/2024
SENSE-15247_DTS	Sporton	V5.11.15	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	29/Jul/2023	28/Jul/2024
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	28/Jul/2023	27/Jul/2024
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	26/May/2023	25/May/2024
Signal Analyzer	R&S	FSP 40	100593	9kHz~40GHz	17/Mar/2023	16/Mar/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	27/Aug/2023	26/Aug/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2023	22/Sep/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/Aug/2023	20/Aug/2024
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	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	10/Feb/2023	09/Feb/2024
Amplifier	Aglient	8447D	2944A11149	100kHz~1.3GHz	27/Jun/2023	26/Jun/2024
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	24/Oct/2023	23/Oct/2024
Amplifier	EM	EM18G40GA	060874	18GHz ~40GHz	18/Aug/2023	17/Aug/2024
SENSE-15247-DTS	Sporton	V5.11	NA	NA	NA	NA

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.575M	13.238M	13M2G1D	6.975M	12.819M
802.11g_Nss1,(6Mbps)_2TX	16.4M	21.527M	21M5D1D	15.275M	16.338M
802.11ax HEW20_Nss1,(MCS0)_2TX	19.05M	19.04M	19M0D1D	12.875M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	38.1M	37.731M	37M7D1D	37.35M	37.631M

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

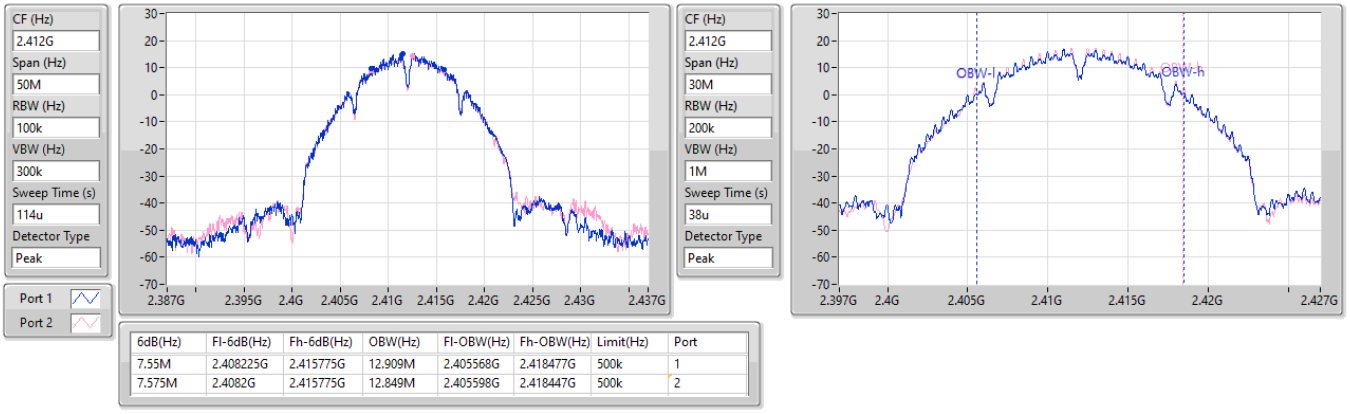
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.55M	12.909M	7.575M	12.849M
2437MHz	Pass	500k	7.325M	12.834M	6.975M	13.238M
2462MHz	Pass	500k	7.55M	12.909M	7.575M	12.819M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	16.492M	16.35M	16.426M
2437MHz	Pass	500k	16.4M	16.448M	16.3M	21.527M
2462MHz	Pass	500k	15.275M	16.338M	16.35M	16.382M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19M	18.966M	18.5M	18.891M
2437MHz	Pass	500k	14.375M	19.04M	12.875M	18.916M
2462MHz	Pass	500k	16.35M	18.916M	19.05M	18.966M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.85M	37.731M	37.5M	37.681M
2437MHz	Pass	500k	38.05M	37.681M	37.35M	37.731M
2452MHz	Pass	500k	38.1M	37.631M	38.05M	37.681M

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

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

2412MHz

19/12/2023

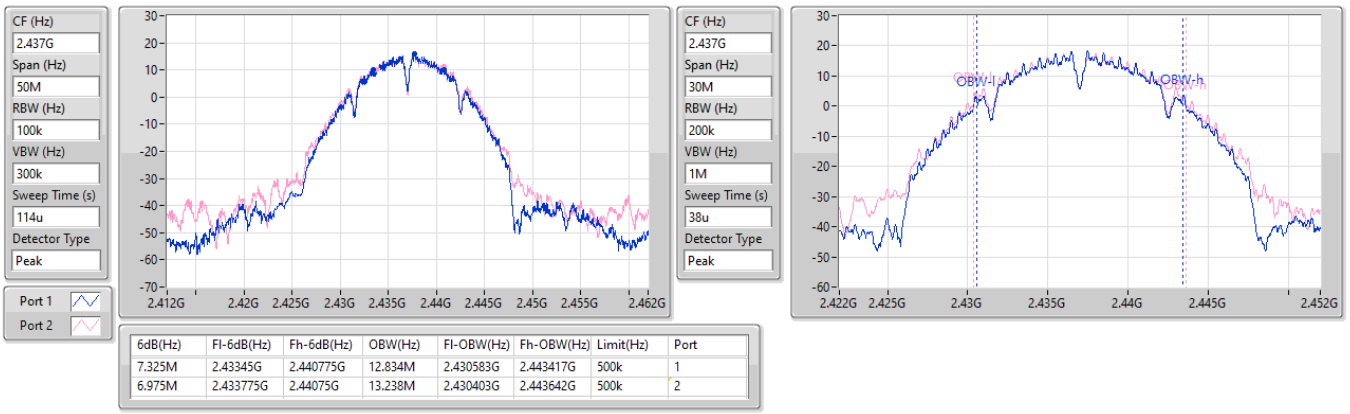


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.408225G	2.415775G	12.909M	2.405568G	2.418477G	500k	1
7.575M	2.4082G	2.415775G	12.849M	2.405598G	2.418447G	500k	2

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

2437MHz

19/12/2023

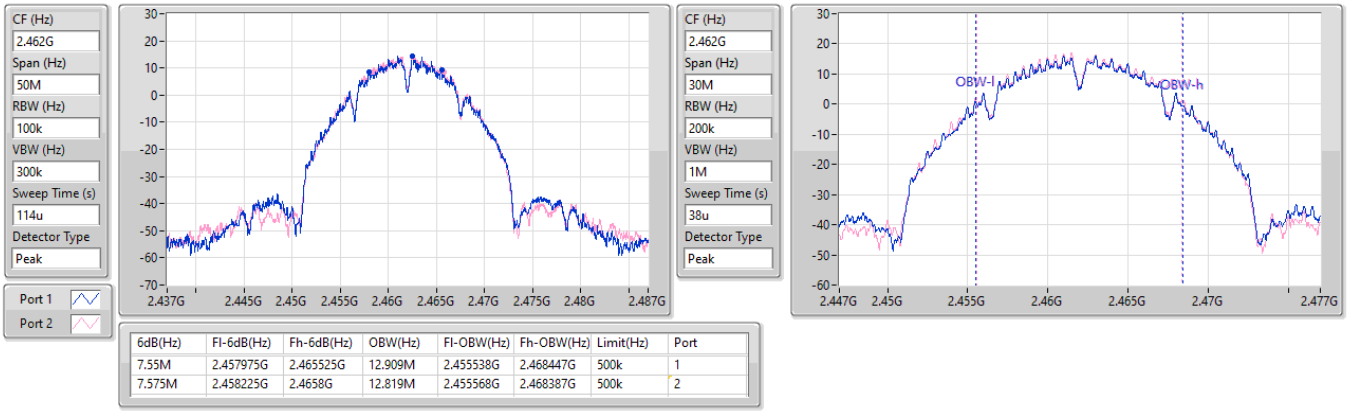


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.325M	2.43345G	2.440775G	12.834M	2.430583G	2.443417G	500k	1
6.975M	2.433775G	2.44075G	13.238M	2.430403G	2.443642G	500k	2

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

2462MHz

19/12/2023

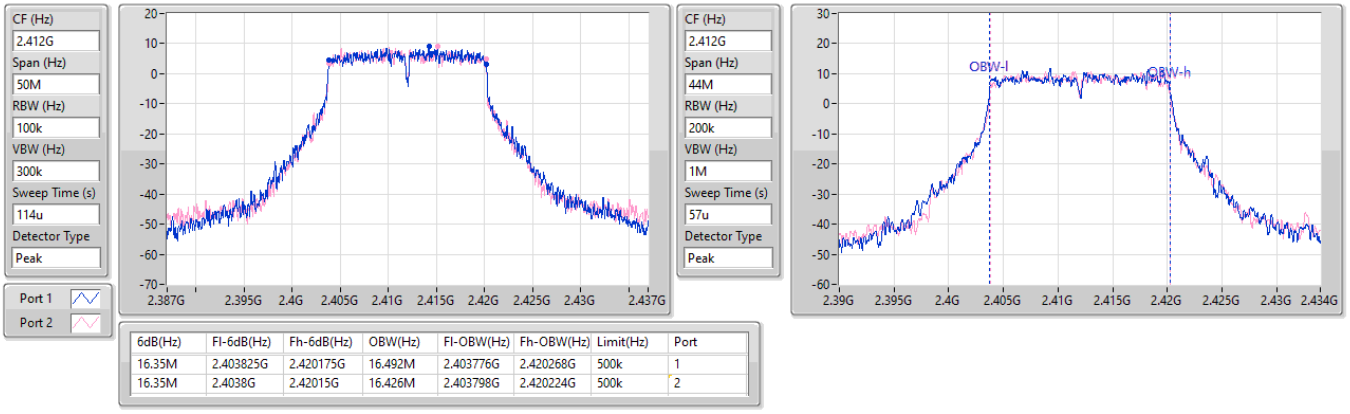


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.457975G	2.465525G	12.909M	2.455538G	2.468447G	500k	1
7.575M	2.458225G	2.4658G	12.819M	2.455568G	2.468387G	500k	2

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

2412MHz

19/12/2023

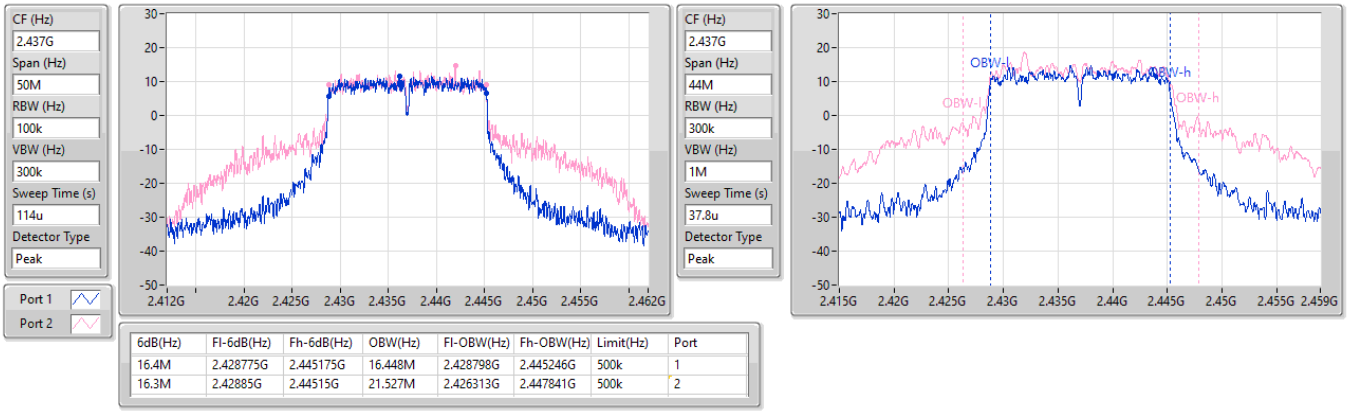


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.403825G	2.420175G	16.492M	2.403776G	2.420268G	500k	1
16.35M	2.4038G	2.42015G	16.426M	2.403798G	2.420224G	500k	2

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

2437MHz

19/12/2023

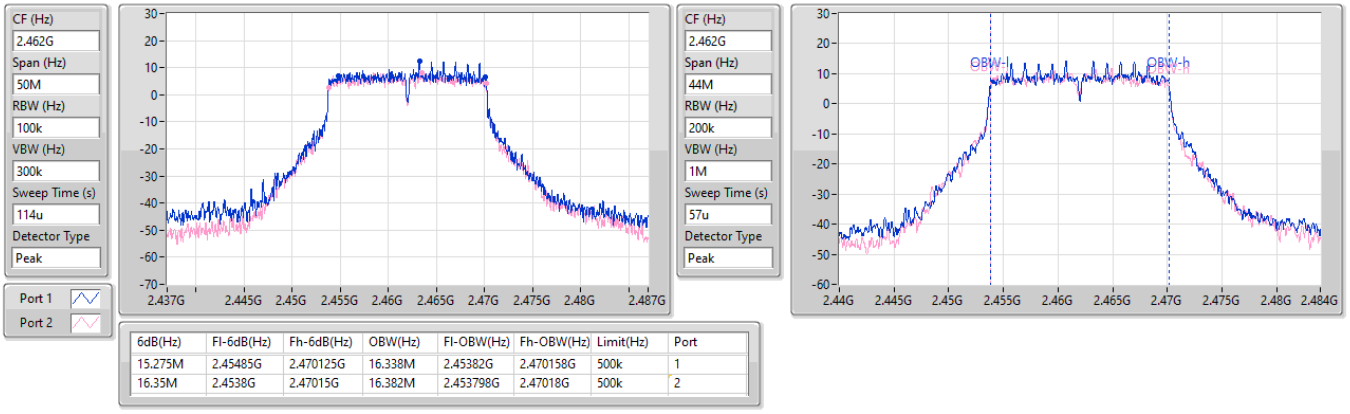


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.4M	2.428775G	2.445175G	16.448M	2.428798G	2.445246G	500k	1
16.3M	2.42885G	2.44515G	21.527M	2.426313G	2.447841G	500k	2

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

2462MHz

19/12/2023

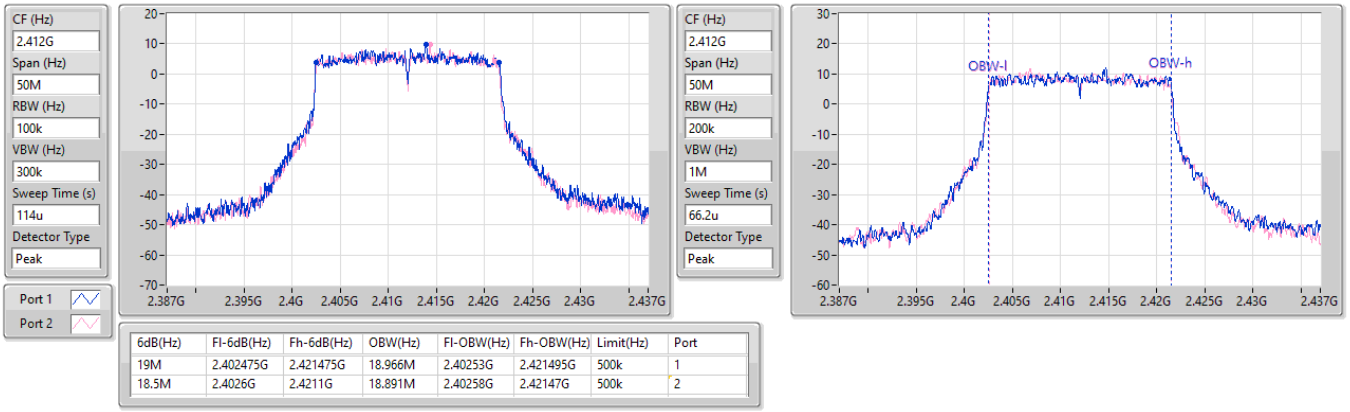


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.275M	2.45485G	2.470125G	16.338M	2.45382G	2.470158G	500k	1
16.35M	2.4538G	2.47015G	16.382M	2.453798G	2.47018G	500k	2

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

2412MHz

19/12/2023

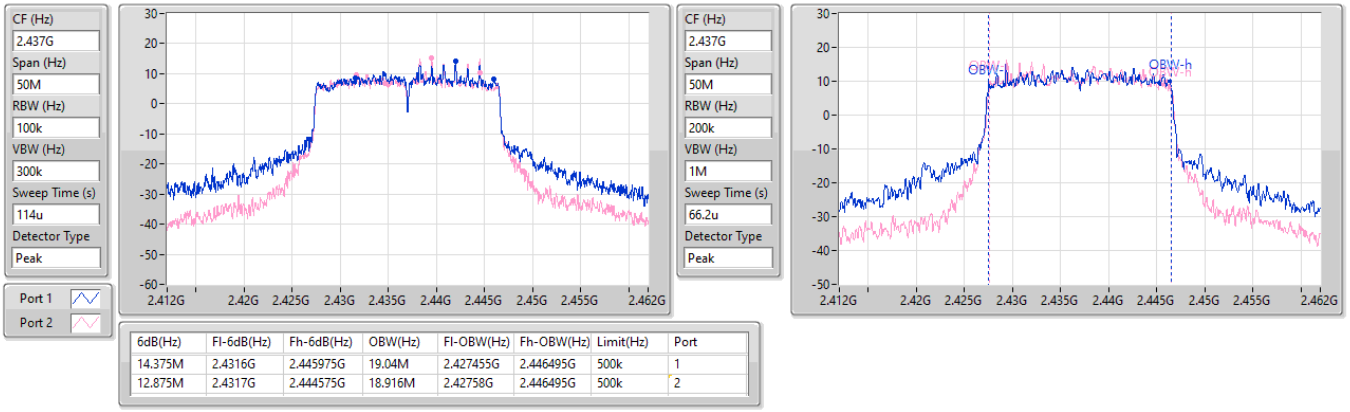


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.402475G	2.421475G	18.966M	2.40253G	2.421495G	500k	1
18.5M	2.4026G	2.4211G	18.891M	2.40258G	2.42147G	500k	2

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

2437MHz

19/12/2023

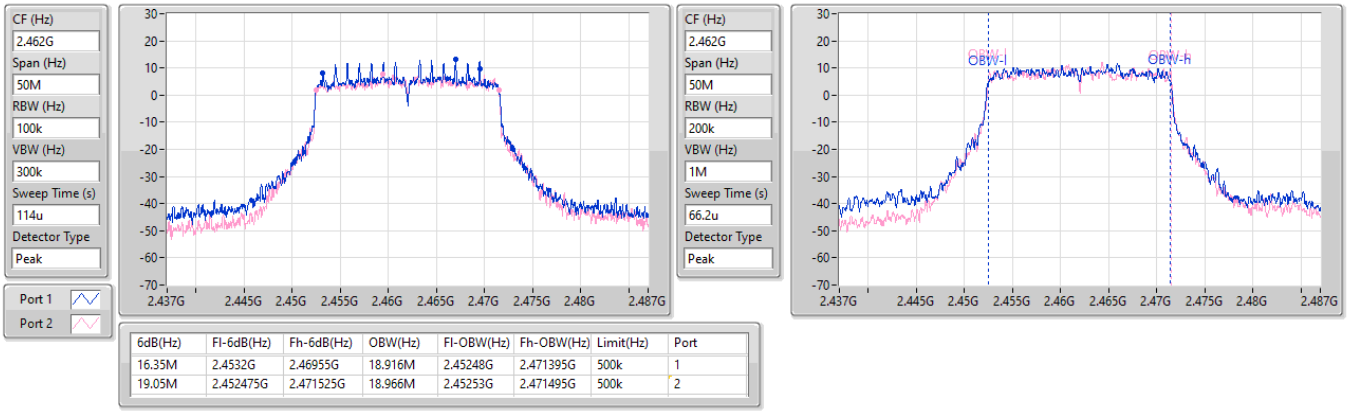


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.375M	2.4316G	2.445975G	19.04M	2.427455G	2.446495G	500k	1
12.875M	2.4317G	2.444575G	18.916M	2.42758G	2.446495G	500k	2

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

2462MHz

19/12/2023

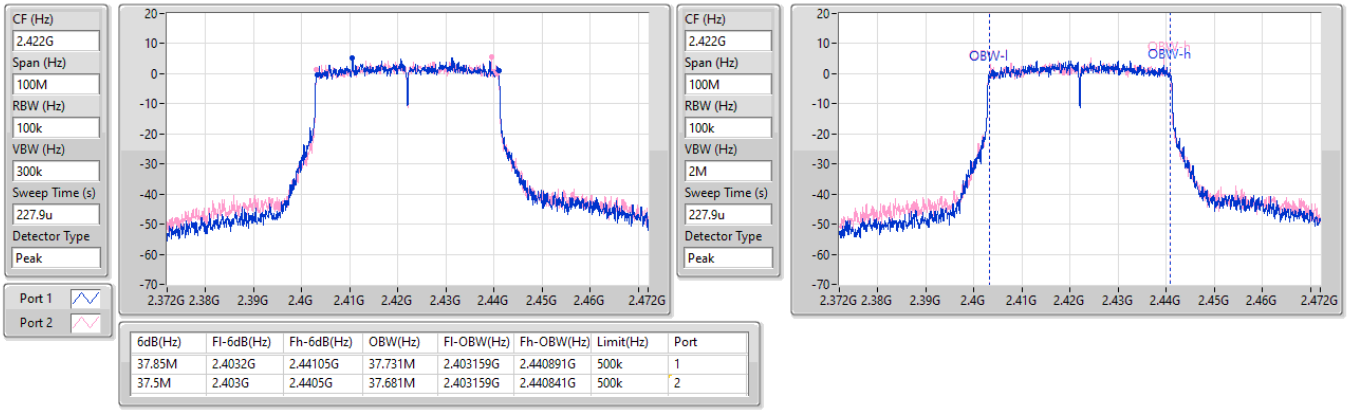


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4532G	2.46955G	18.916M	2.45248G	2.471395G	500k	1
19.05M	2.452475G	2.471525G	18.966M	2.45253G	2.471495G	500k	2

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

2422MHz

19/12/2023

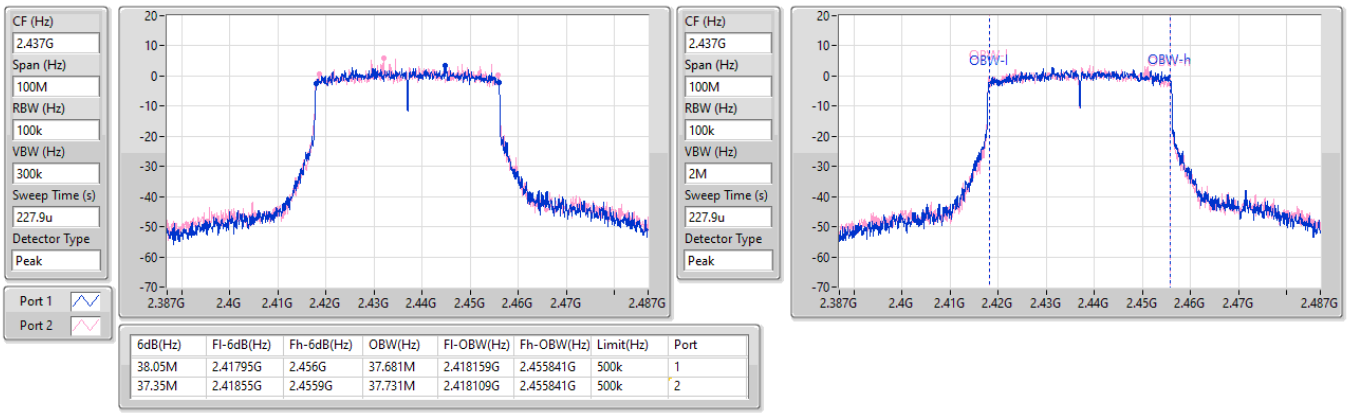


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.85M	2.4032G	2.44105G	37.731M	2.403159G	2.440891G	500k	1
37.5M	2.403G	2.4405G	37.681M	2.403159G	2.440841G	500k	2

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

2437MHz

19/12/2023

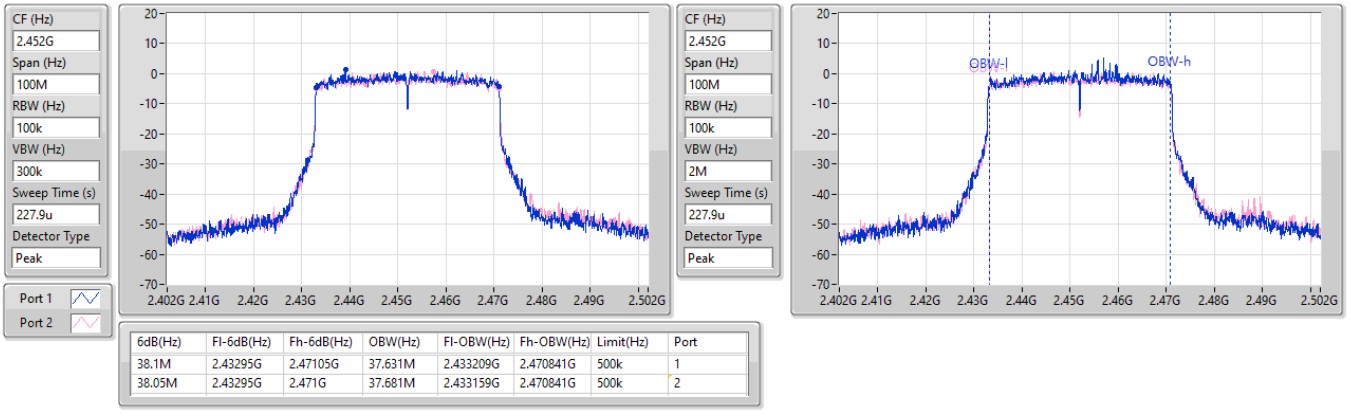


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.05M	2.41795G	2.456G	37.681M	2.418159G	2.455841G	500k	1
37.35M	2.41855G	2.4559G	37.731M	2.418109G	2.455841G	500k	2

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

2452MHz

19/12/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.1M	2.43295G	2.47105G	37.631M	2.433209G	2.470841G	500k	1
38.05M	2.43295G	2.471G	37.681M	2.433159G	2.470841G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	28.91	0.77804
802.11g_Nss1,(6Mbps)_2TX	28.85	0.76736
802.11ax HEW20_Nss1,(MCS0)_2TX	28.30	0.67608
802.11ax HEW40_Nss1,(MCS0)_2TX	24.77	0.29992

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	25.03	24.94	28.00	30.00
2417MHz	Pass	5.00	25.75	25.93	28.85	30.00
2437MHz	Pass	5.00	25.88	25.92	28.91	30.00
2457MHz	Pass	5.00	24.81	25.29	28.07	30.00
2462MHz	Pass	5.00	23.98	24.67	27.35	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	22.70	22.61	25.67	30.00
2417MHz	Pass	5.00	23.21	22.95	26.09	30.00
2437MHz	Pass	5.00	25.56	26.11	28.85	30.00
2457MHz	Pass	5.00	23.67	23.05	26.38	30.00
2462MHz	Pass	5.00	23.21	22.41	25.84	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	22.89	22.64	25.78	30.00
2417MHz	Pass	5.00	23.28	23.12	26.21	30.00
2437MHz	Pass	5.00	25.21	25.36	28.30	30.00
2457MHz	Pass	5.00	22.78	22.16	25.49	30.00
2462MHz	Pass	5.00	22.21	22.20	25.22	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.00	21.80	21.72	24.77	30.00
2437MHz	Pass	5.00	20.41	20.26	23.35	30.00
2447MHz	Pass	5.00	18.63	18.25	21.45	30.00
2452MHz	Pass	5.00	18.79	18.20	21.52	30.00

DG = Directional Gain; Port X = Port X output power

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	5.35
802.11g_Nss1,(6Mbps)_2TX	0.31
802.11ax HEW20_Nss1,(MCS0)_2TX	-0.57
802.11ax HEW40_Nss1,(MCS0)_2TX	-6.03

RBW = 3kHz;

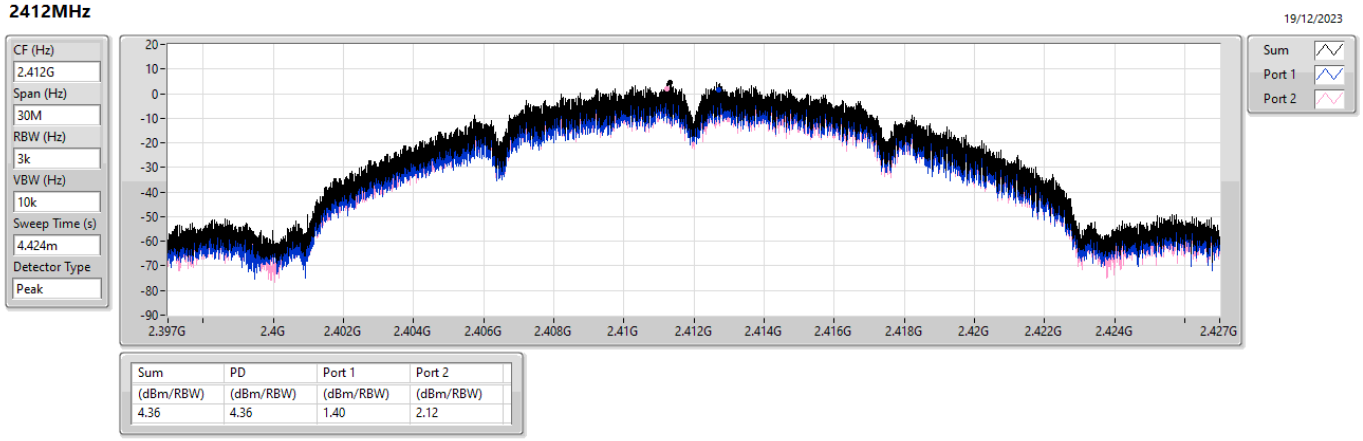
Result

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	8.01	1.40	2.12	4.36	5.99
2437MHz	Pass	8.01	2.18	2.64	5.35	5.99
2462MHz	Pass	8.01	0.75	-0.13	2.24	5.99
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	-5.14	-5.07	-2.96	5.99
2437MHz	Pass	8.01	-2.69	-1.80	0.31	5.99
2462MHz	Pass	8.01	-2.65	-4.92	-1.85	5.99
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.01	-2.71	-3.53	-1.64	5.99
2437MHz	Pass	8.01	-2.33	-1.55	-0.57	5.99
2462MHz	Pass	8.01	-4.08	-4.46	-2.72	5.99
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.01	-6.99	-8.06	-6.03	5.99
2437MHz	Pass	8.01	-7.98	-8.87	-7.40	5.99
2452MHz	Pass	8.01	-10.48	-10.85	-9.71	5.99

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;

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

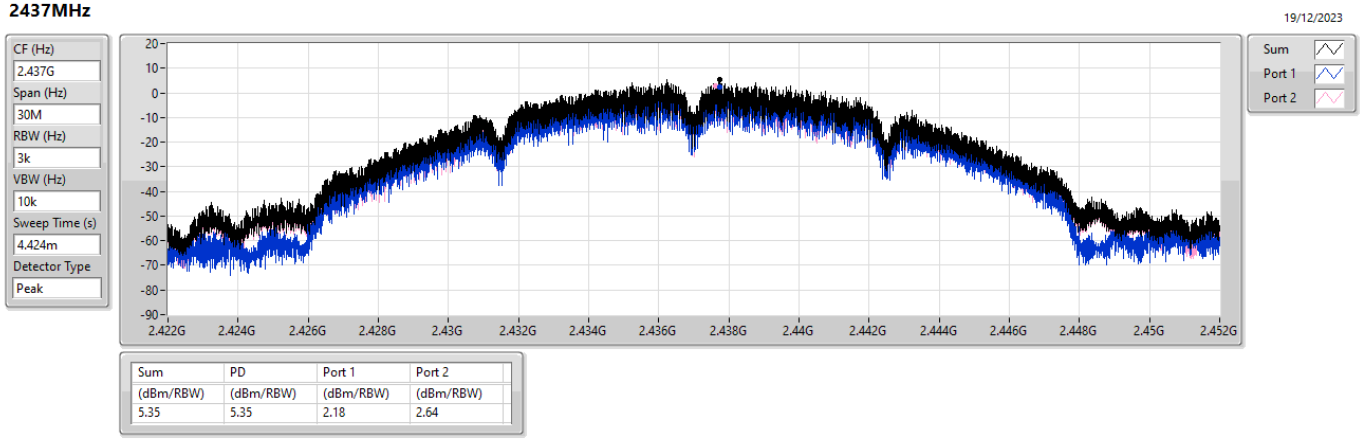
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.36	4.36	1.40	2.12

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

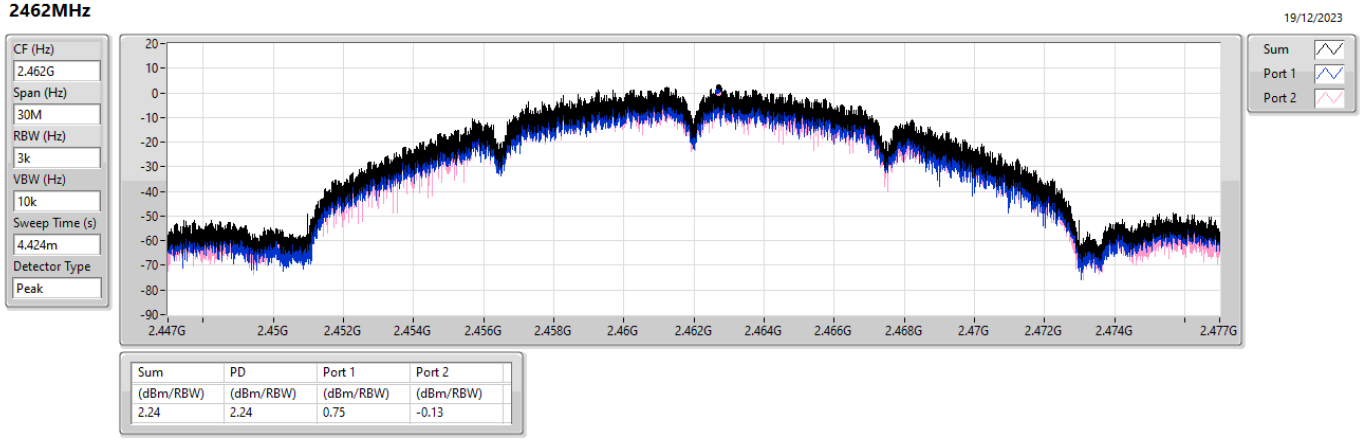
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.35	5.35	2.18	2.64

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

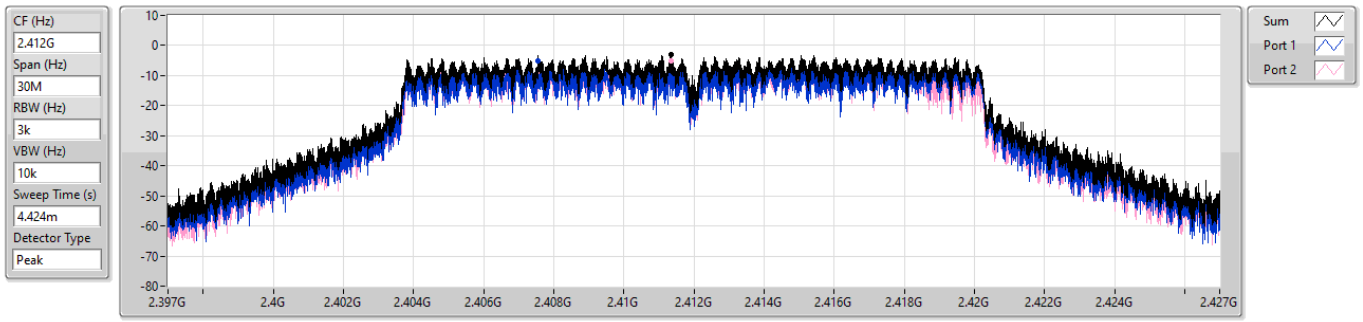
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.24	2.24	0.75	-0.13

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

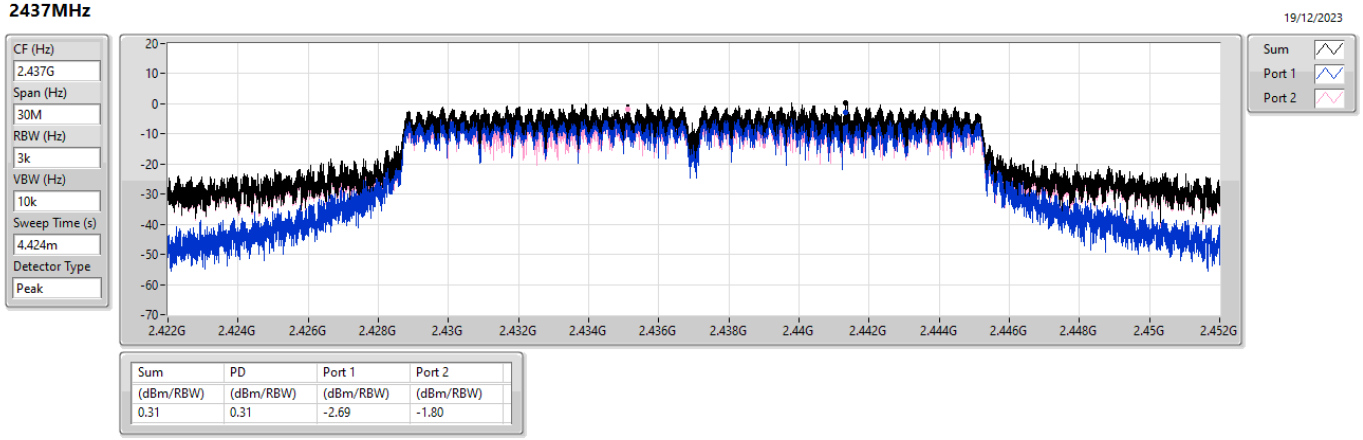
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.96	-2.96	-5.14	-5.07

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

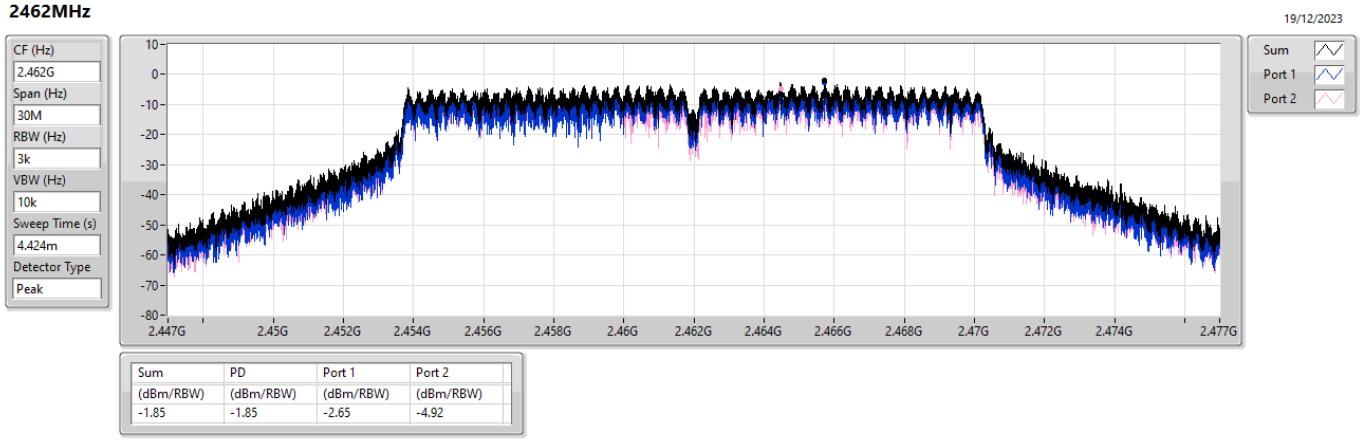
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.31	0.31	-2.69	-1.80

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

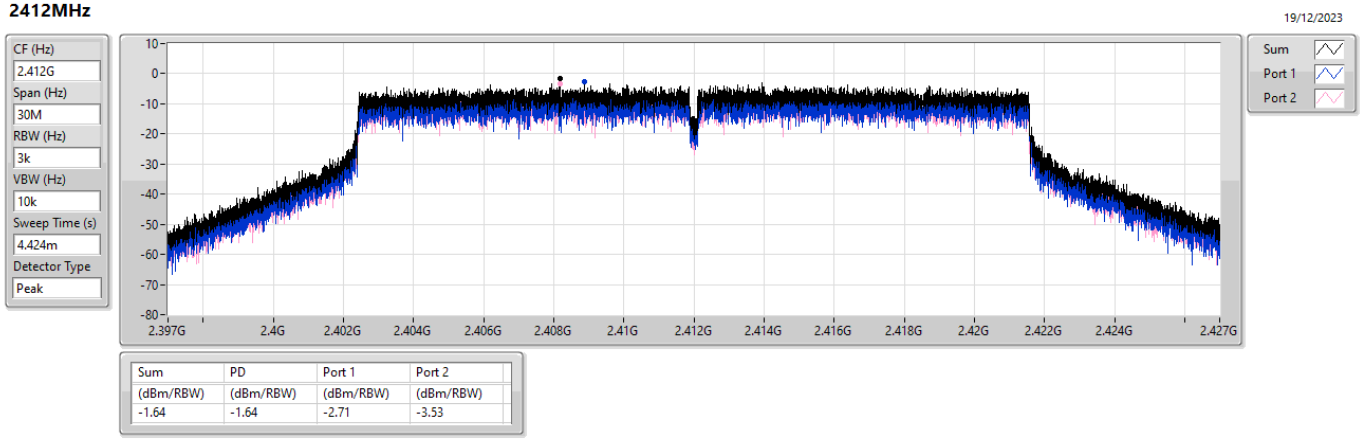
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.85	-1.85	-2.65	-4.92

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

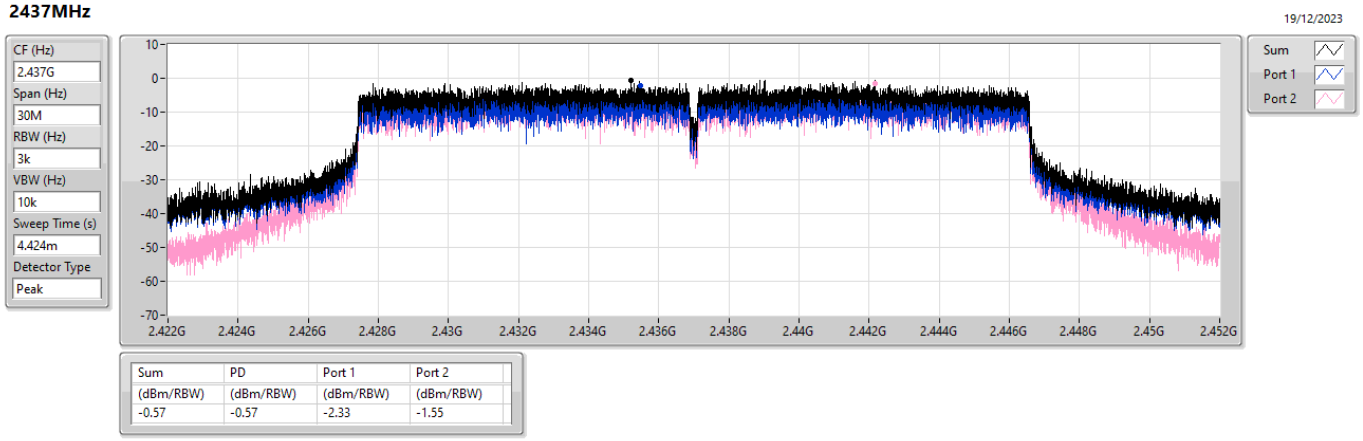
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.64	-1.64	-2.71	-3.53

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

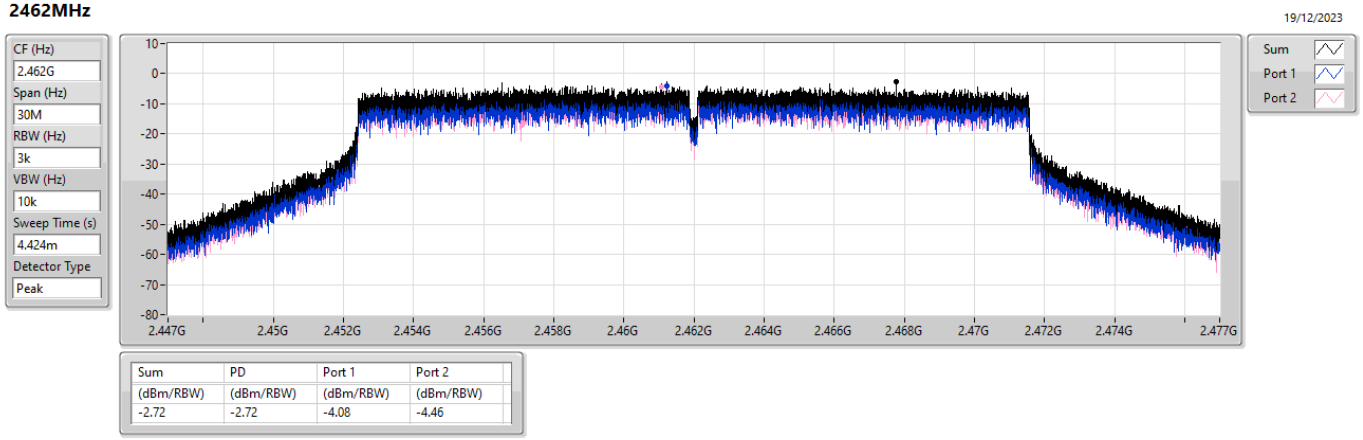
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.57	-0.57	-2.33	-1.55

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

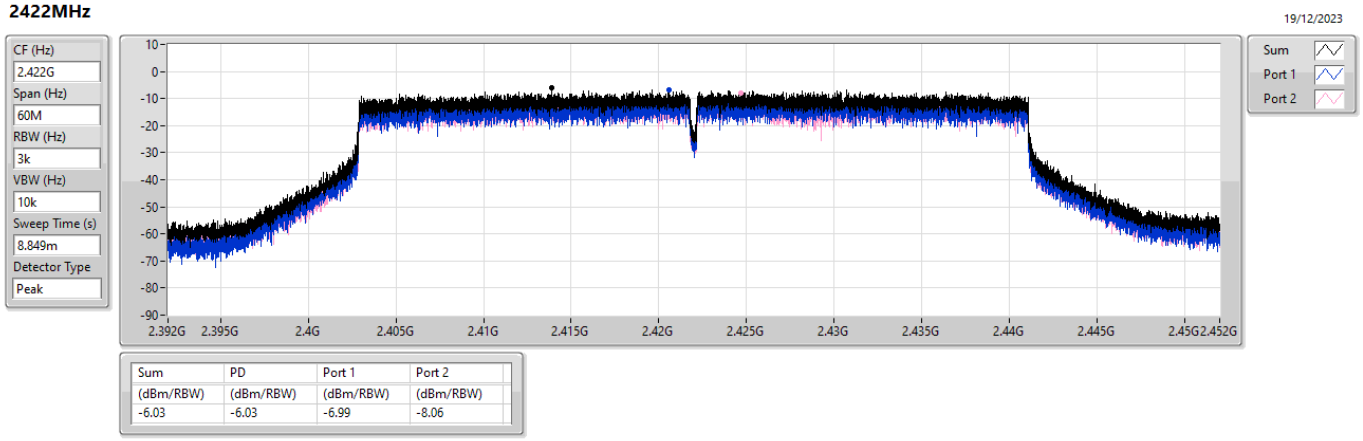
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.72	-2.72	-4.08	-4.46

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

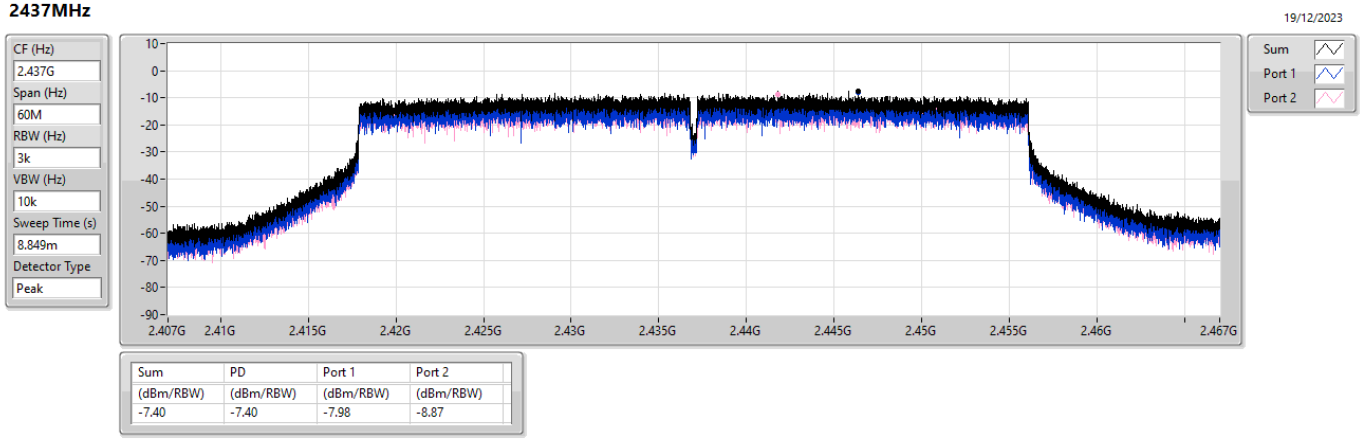
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.03	-6.03	-6.99	-8.06

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

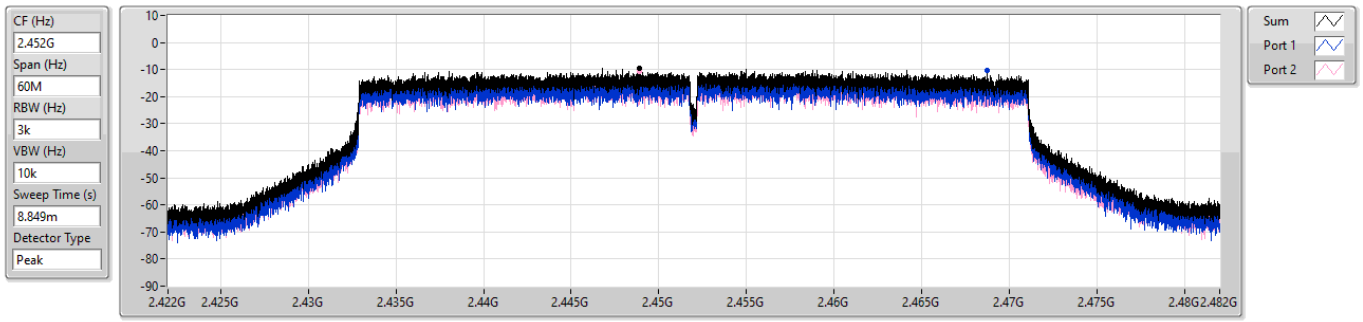
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.40	-7.40	-7.98	-8.87

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

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.71	-9.71	-10.48	-10.85

Summary

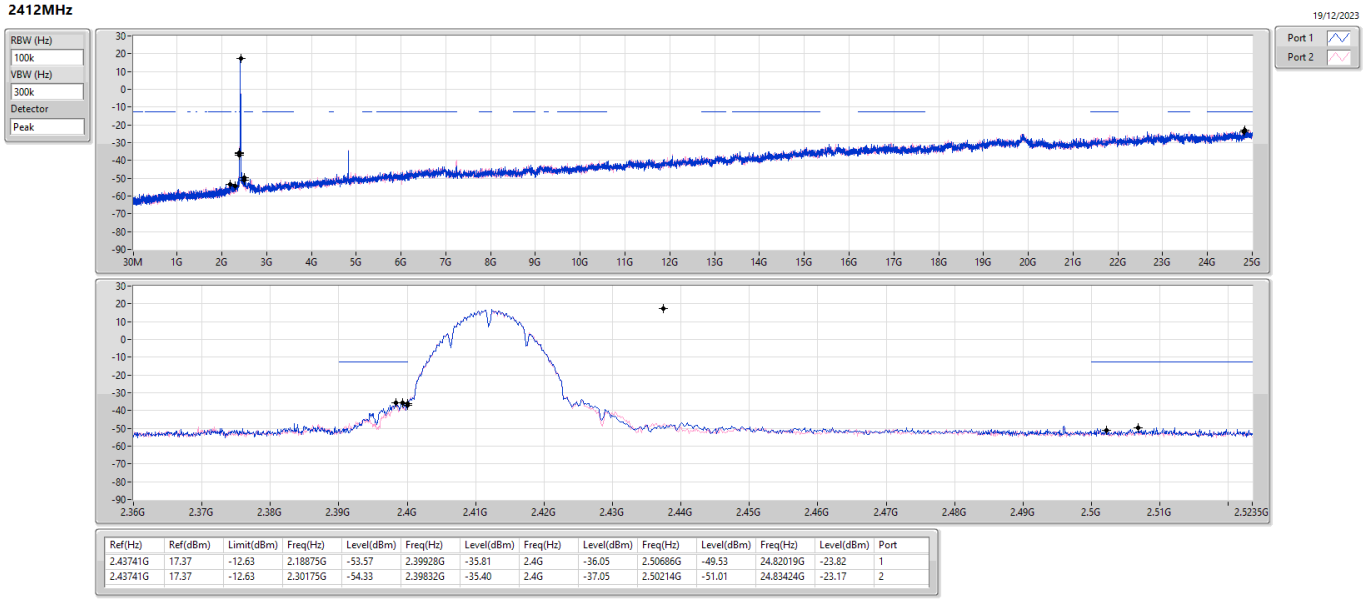
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43741G	17.37	-12.63	2.30175G	-54.33	2.39832G	-35.40	2.4G	-37.05	2.50214G	-51.01	24.83424G	-23.17	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44192G	16.73	-13.27	2.1736G	-54.04	2.4G	-25.19	2.4G	-23.53	2.5023G	-49.90	24.88762G	-22.18	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.44192G	16.50	-13.50	2.30641G	-53.24	2.4G	-21.77	2.4G	-20.70	2.50934G	-50.01	24.9129G	-22.89	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.43323G	8.58	-21.42	2.19176G	-54.28	2.4G	-27.65	2.4G	-28.19	2.5531G	-49.96	24.91586G	-22.78	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43741G	17.37	-12.63	2.18875G	-53.57	2.39928G	-35.81	2.4G	-36.05	2.50686G	-49.53	24.82019G	-23.82	1
2412MHz	Pass	2.43741G	17.37	-12.63	2.30175G	-54.33	2.39832G	-35.40	2.4G	-37.05	2.50214G	-51.01	24.83424G	-23.17	2
2437MHz	Pass	2.43741G	17.37	-12.63	2.14914G	-53.81	2.396G	-50.59	2.4G	-53.10	2.5123G	-49.96	24.89324G	-23.75	1
2437MHz	Pass	2.43741G	17.37	-12.63	2.11302G	-54.66	2.39952G	-46.96	2.4G	-50.44	2.51966G	-51.22	24.54766G	-23.10	2
2462MHz	Pass	2.43741G	17.37	-12.63	2.30059G	-54.26	2.39744G	-52.43	2.4G	-53.33	2.51062G	-50.37	24.92414G	-22.59	1
2462MHz	Pass	2.43741G	17.37	-12.63	2.30641G	-53.82	2.392G	-51.08	2.4G	-51.87	2.50086G	-49.22	24.86233G	-23.07	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	16.73	-13.27	2.14448G	-54.13	2.4G	-24.55	2.4G	-23.58	2.50902G	-50.02	24.96629G	-23.11	1
2412MHz	Pass	2.44192G	16.73	-13.27	2.1736G	-54.04	2.4G	-25.19	2.4G	-23.53	2.5023G	-49.90	24.88762G	-22.18	2
2437MHz	Pass	2.44192G	16.73	-13.27	2.13516G	-53.85	2.39984G	-33.46	2.4G	-33.25	2.50174G	-46.82	24.85109G	-21.86	1
2437MHz	Pass	2.44192G	16.73	-13.27	2.30641G	-53.98	2.39952G	-37.43	2.4G	-38.51	2.50158G	-48.43	24.89324G	-22.78	2
2462MHz	Pass	2.44192G	16.73	-13.27	2.15147G	-54.32	2.39088G	-51.44	2.4G	-51.33	2.50118G	-48.26	24.93819G	-22.81	1
2462MHz	Pass	2.44192G	16.73	-13.27	2.30525G	-54.37	2.3936G	-51.56	2.4G	-53.32	2.50574G	-49.00	24.85671G	-22.54	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	16.50	-13.50	2.30641G	-53.24	2.4G	-21.77	2.4G	-20.70	2.50934G	-50.01	24.9129G	-22.89	1
2412MHz	Pass	2.44192G	16.50	-13.50	2.19574G	-53.21	2.39992G	-21.95	2.4G	-22.68	2.5039G	-50.06	23.51936G	-22.76	2
2437MHz	Pass	2.44192G	16.50	-13.50	2.30408G	-52.03	2.39824G	-36.23	2.4G	-36.37	2.5007G	-46.88	24.46056G	-22.27	1
2437MHz	Pass	2.44192G	16.50	-13.50	1.8043G	-52.93	2.39824G	-38.12	2.4G	-41.25	2.50382G	-47.36	24.42685G	-23.00	2
2462MHz	Pass	2.44192G	16.50	-13.50	2.30292G	-53.55	2.39784G	-50.89	2.4G	-52.79	2.50222G	-46.77	24.95786G	-22.91	1
2462MHz	Pass	2.44192G	16.50	-13.50	2.30641G	-54.43	2.39648G	-51.04	2.4G	-52.53	2.51342G	-48.59	24.46056G	-22.50	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43323G	8.58	-21.42	2.19176G	-54.28	2.4G	-27.65	2.4G	-28.19	2.5531G	-49.96	24.91586G	-22.78	1
2422MHz	Pass	2.43323G	8.58	-21.42	2.30397G	-53.08	2.4G	-28.49	2.4G	-28.45	2.51118G	-49.28	24.88221G	-21.78	2
2437MHz	Pass	2.43323G	8.58	-21.42	2.30626G	-53.46	2.3992G	-45.60	2.4G	-46.62	2.55342G	-49.74	24.50079G	-23.21	1
2437MHz	Pass	2.43323G	8.58	-21.42	2.15169G	-54.17	2.39968G	-41.52	2.4G	-41.08	2.50062G	-50.04	24.93269G	-22.03	2
2452MHz	Pass	2.43323G	8.58	-21.42	2.30054G	-53.05	2.39952G	-51.22	2.4G	-51.85	2.50062G	-47.60	24.2035G	-21.79	1
2452MHz	Pass	2.43323G	8.58	-21.42	2.11734G	-54.23	2.39984G	-50.55	2.4G	-52.28	2.50014G	-47.66	24.91306G	-21.82	2

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

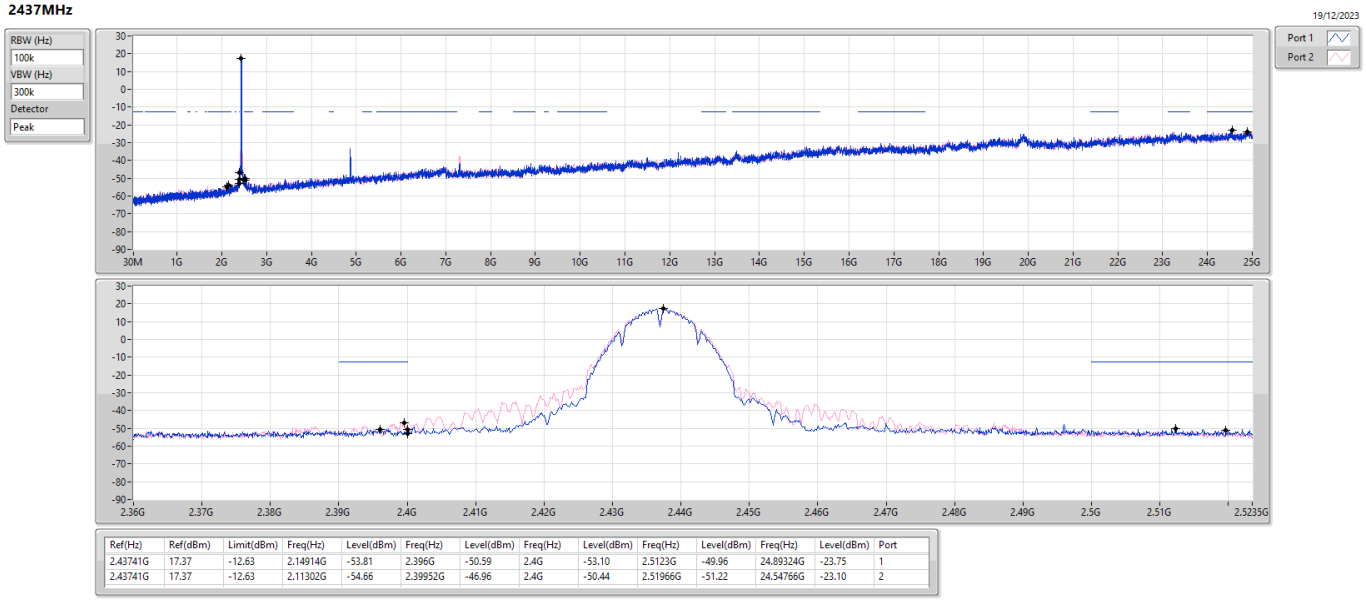
2412MHz



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
2.43741G	17.37	-12.63	2.18875G	-53.57	2.39928G	-35.81	2.4G	-36.05	2.50686G	-49.53	24.82019G	-23.82	1
2.43741G	17.37	-12.63	2.30175G	-54.33	2.39832G	-35.40	2.4G	-37.05	2.50214G	-51.01	24.83424G	-23.17	2

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

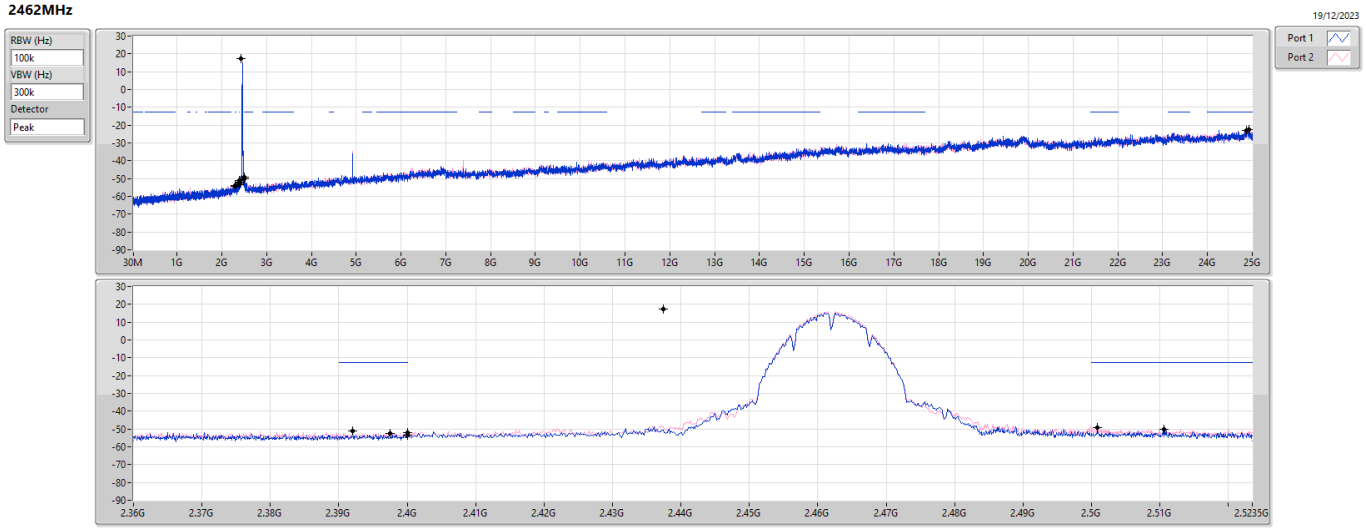
2437MHz



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
2.43741G	17.37	-12.63	2.14914G	-53.81	2.396G	-50.59	2.4G	-53.10	2.5123G	-49.96	24.89324G	-23.75	1
2.43741G	17.37	-12.63	2.11302G	-54.66	2.39952G	-46.96	2.4G	-50.44	2.51966G	-51.22	24.54766G	-23.10	2

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

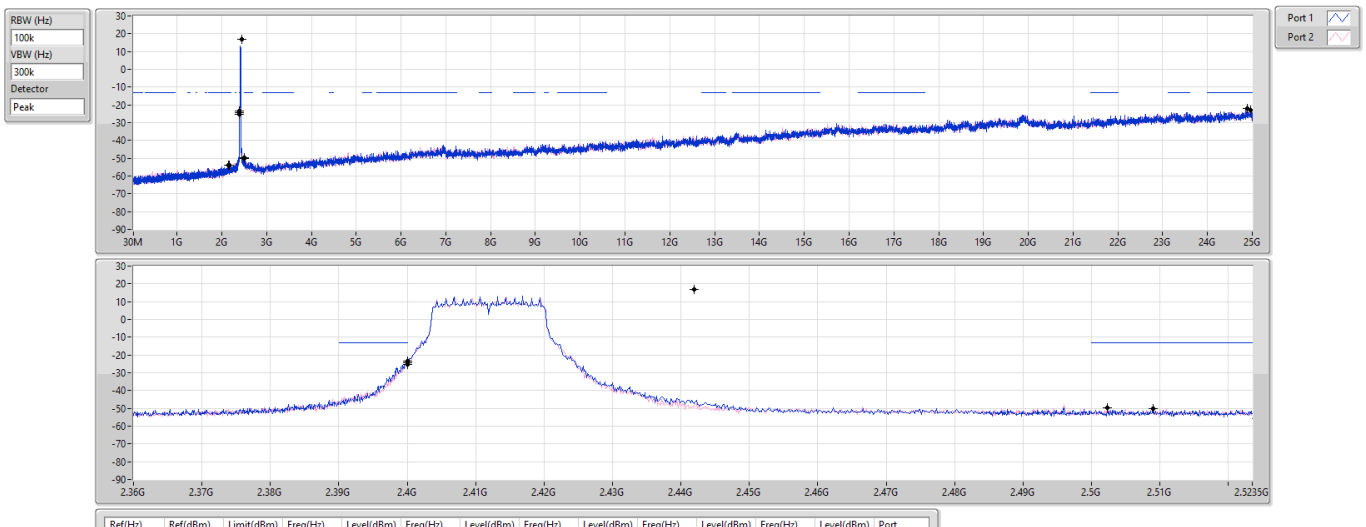
2462MHz



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
2.43741G	17.37	-12.63	2.30059G	-54.26	2.39744G	-52.43	2.4G	-53.33	2.51062G	-50.37	24.92414G	-22.59	1
2.43741G	17.37	-12.63	2.30641G	-53.82	2.392G	-51.08	2.4G	-51.87	2.50086G	-49.22	24.86233G	-23.07	2

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

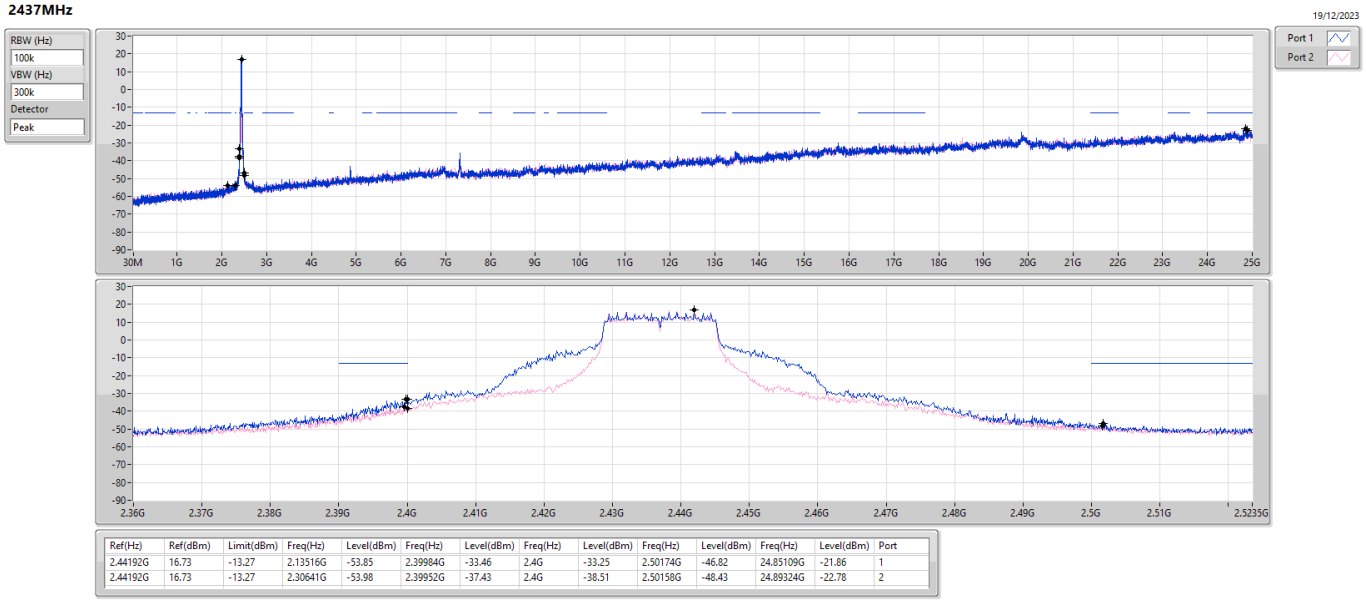
2412MHz



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
2.44192G	16.73	-13.27	2.14448G	-54.13	2.4G	-24.55	2.4G	-23.58	2.50902G	-50.02	24.96629G	-23.11	1
2.44192G	16.73	-13.27	2.1736G	-54.04	2.4G	-25.19	2.4G	-23.53	2.5023G	-49.90	24.88762G	-22.18	2

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

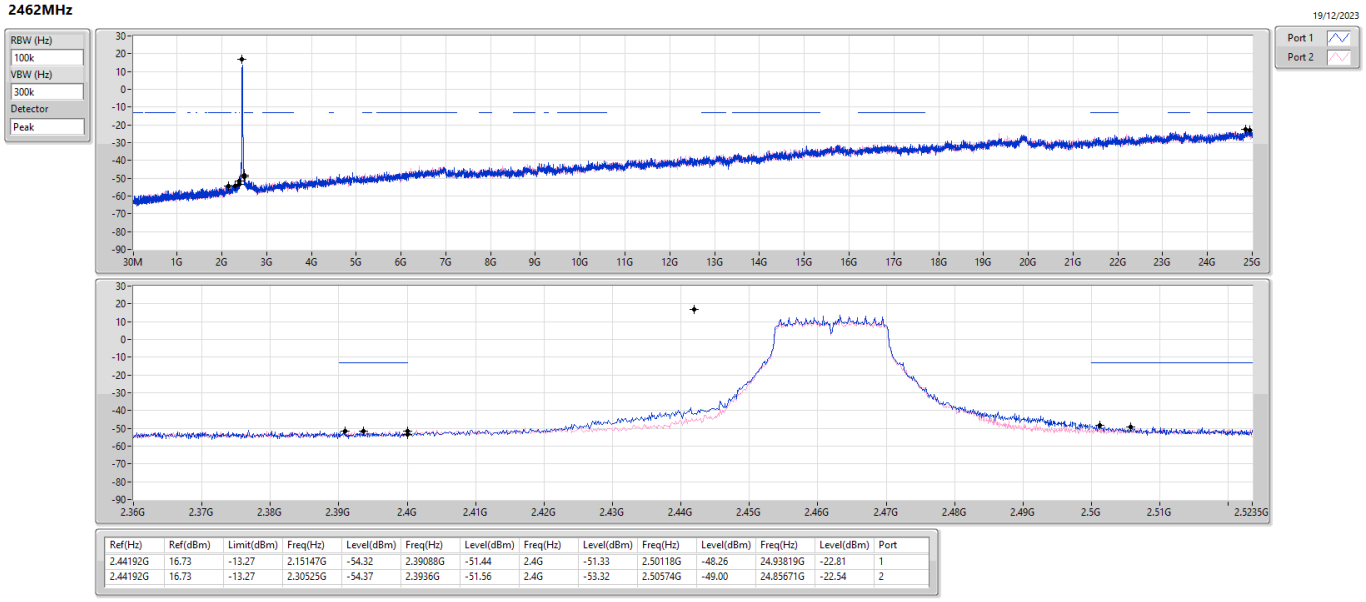
2437MHz



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
2.44192G	16.73	-13.27	2.13516G	-53.85	2.39984G	-33.46	2.4G	-33.25	2.50174G	-46.82	24.85109G	-21.86	1
2.44192G	16.73	-13.27	2.30641G	-53.98	2.39952G	-37.43	2.4G	-38.51	2.50158G	-48.43	24.89324G	-22.78	2

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

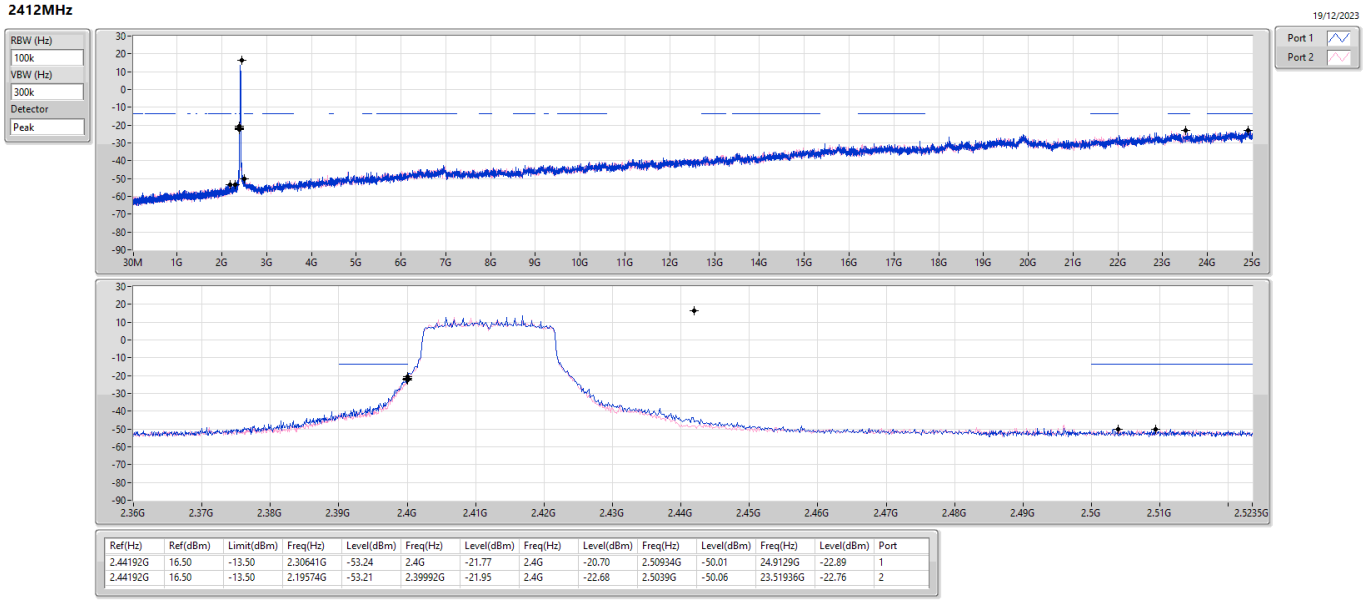
2462MHz



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	16.73	-13.27	2.15147G	-54.32	2.39088G	-51.44	2.4G	-51.33	2.50118G	-48.26	24.93819G	-22.81	1
2.44192G	16.73	-13.27	2.30525G	-54.37	2.3936G	-51.56	2.4G	-53.32	2.50574G	-49.00	24.85671G	-22.54	2

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

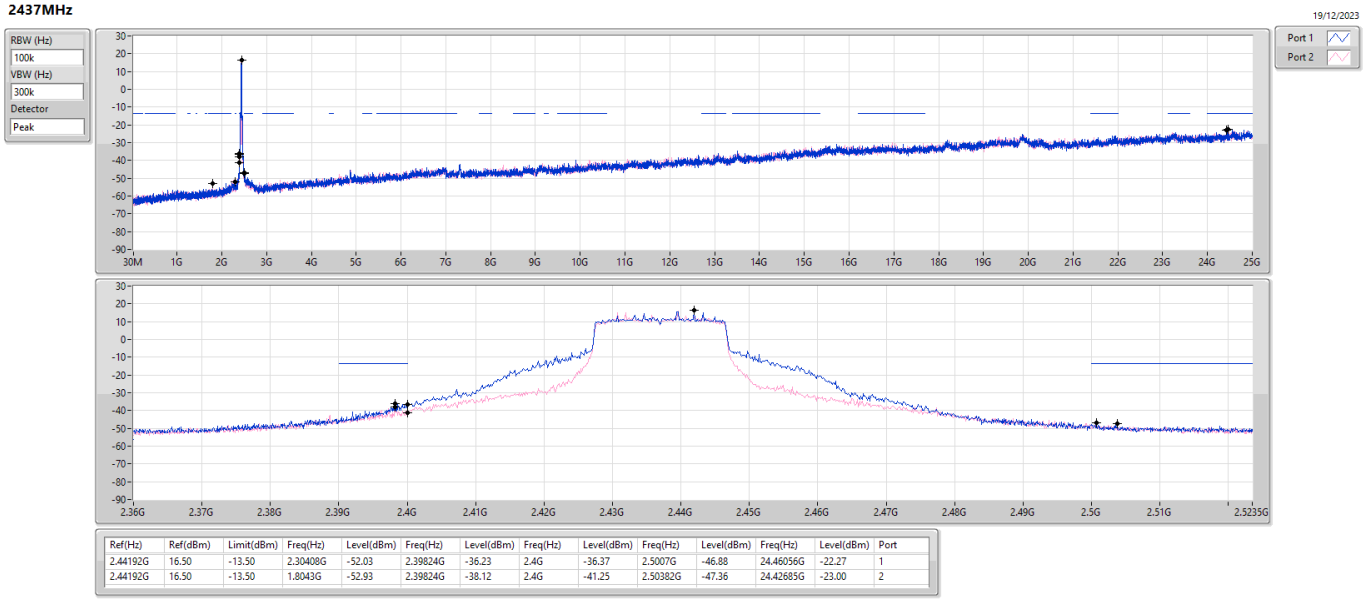
2412MHz



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
2.44192G	16.50	-13.50	2.30641G	-53.24	2.4G	-21.77	2.4G	-20.70	2.50934G	-50.01	24.9129G	-22.89	1
2.44192G	16.50	-13.50	2.19574G	-53.21	2.39992G	-21.95	2.4G	-22.68	2.5039G	-50.06	23.51936G	-22.76	2

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

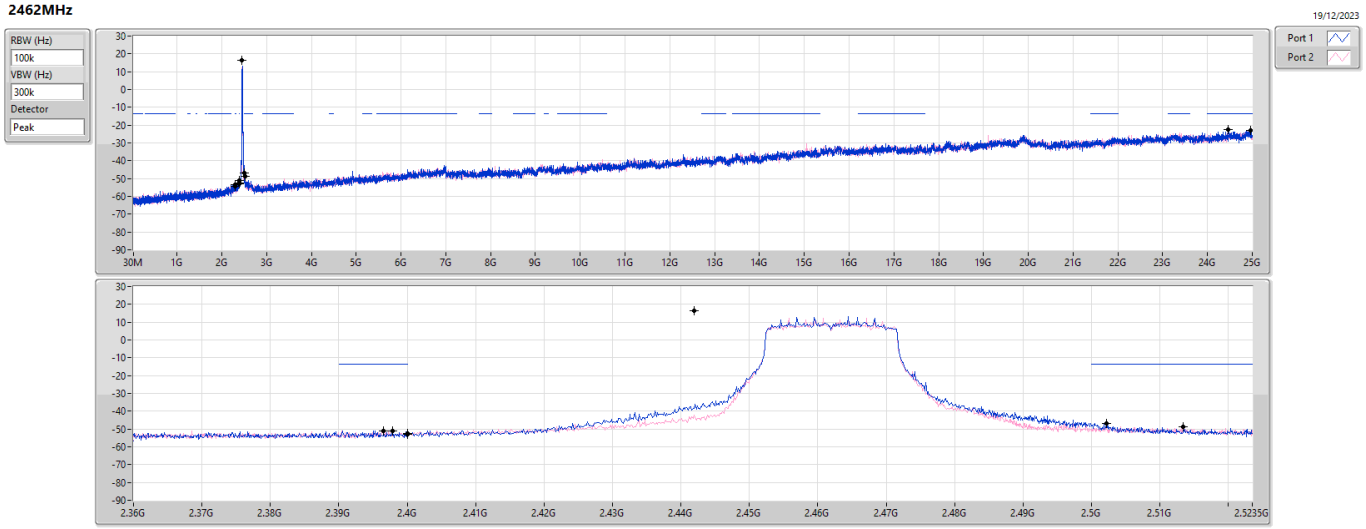
2437MHz



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
2.44192G	16.50	-13.50	2.30408G	-52.03	2.39824G	-36.23	2.4G	-36.37	2.5007G	-46.88	24.46056G	-22.27	1
2.44192G	16.50	-13.50	1.8043G	-52.93	2.39824G	-38.12	2.4G	-41.25	2.50382G	-47.36	24.42685G	-23.00	2

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

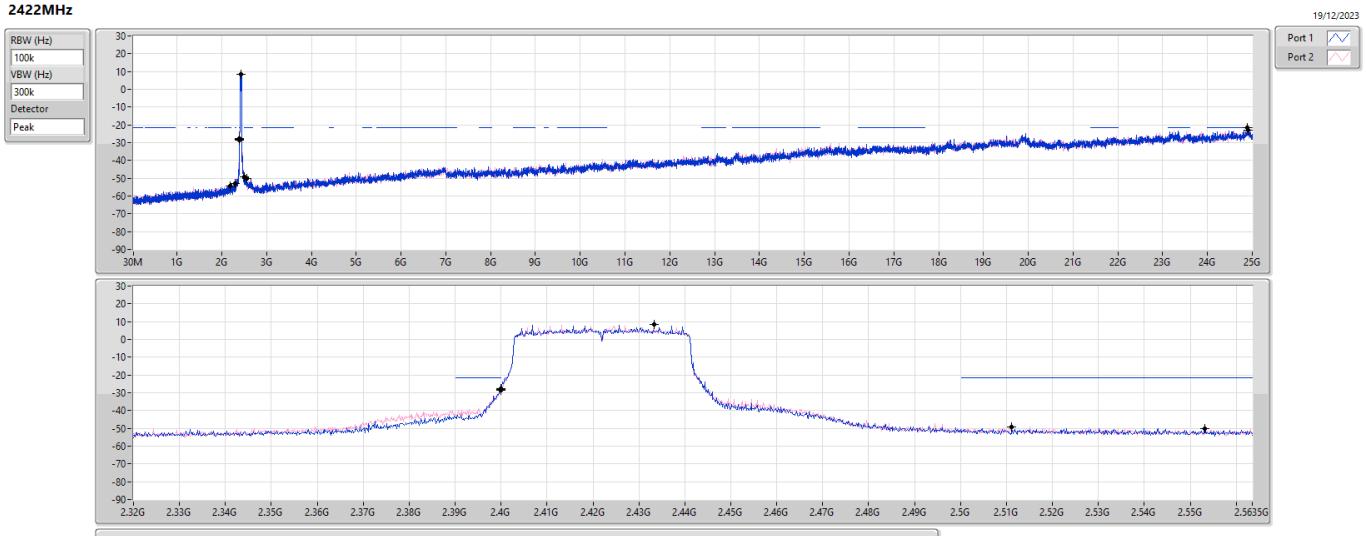
2462MHz



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	16.50	-13.50	2.30292G	-53.55	2.39784G	-50.89	2.4G	-52.79	2.50222G	-46.77	24.95786G	-22.91	1
2.44192G	16.50	-13.50	2.30641G	-54.43	2.39648G	-51.04	2.4G	-52.53	2.51342G	-48.59	24.46056G	-22.50	2

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

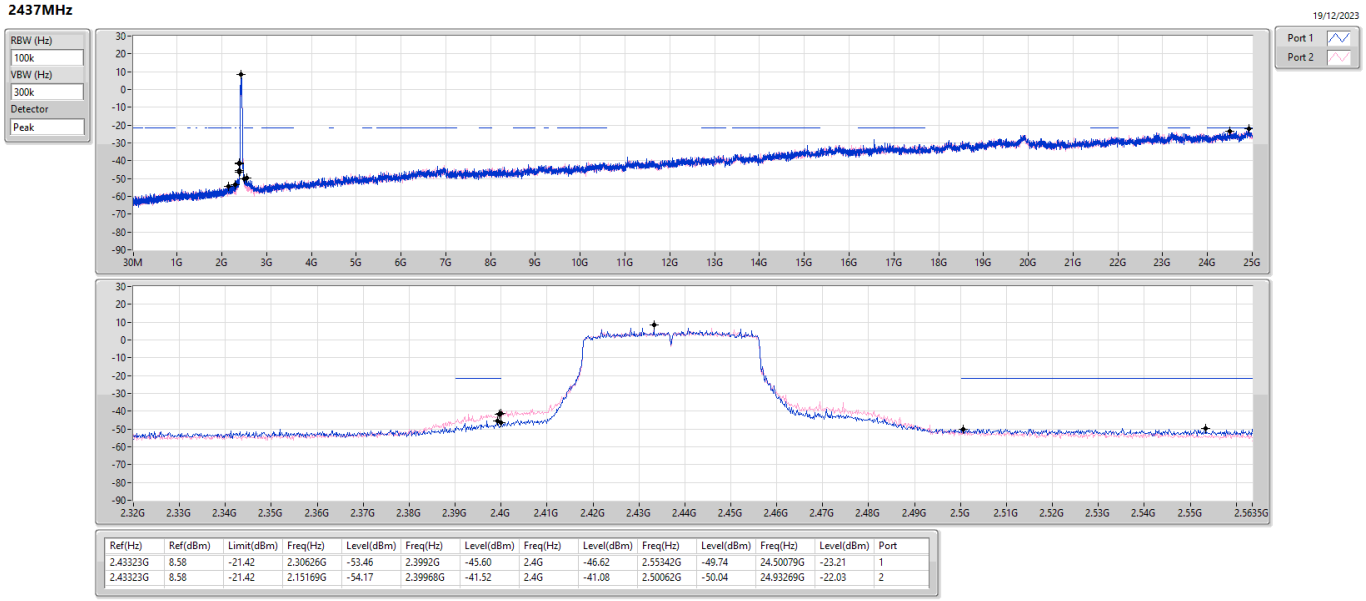
2422MHz



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
2.43323G	8.58	-21.42	2.19176G	-54.28	2.4G	-27.65	2.4G	-28.19	2.5531G	-49.96	24.91586G	-22.78	1
2.43323G	8.58	-21.42	2.30397G	-53.08	2.4G	-28.49	2.4G	-28.45	2.51118G	-49.28	24.88221G	-21.78	2

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

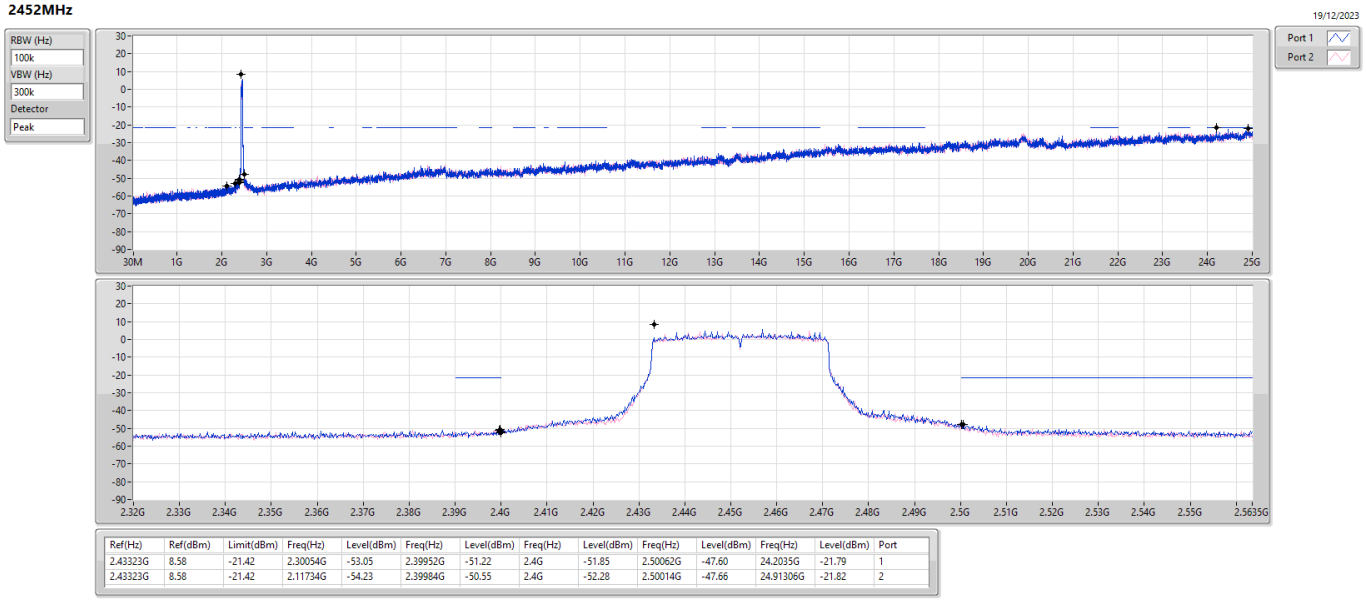
2437MHz



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
2.43323G	8.58	-21.42	2.30626G	-53.46	2.3992G	-45.60	2.4G	-46.62	2.55342G	-49.74	24.50079G	-23.21	1
2.43323G	8.58	-21.42	2.15169G	-54.17	2.39968G	-41.52	2.4G	-41.08	2.50062G	-50.04	24.93269G	-22.03	2

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

2452MHz



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
2.43323G	8.58	-21.42	2.30054G	-53.05	2.39952G	-51.22	2.4G	-51.85	2.50062G	-47.60	24.2035G	-21.79	1
2.43323G	8.58	-21.42	2.11734G	-54.23	2.39984G	-50.55	2.4G	-52.28	2.50014G	-47.66	24.91306G	-21.82	2

Summary

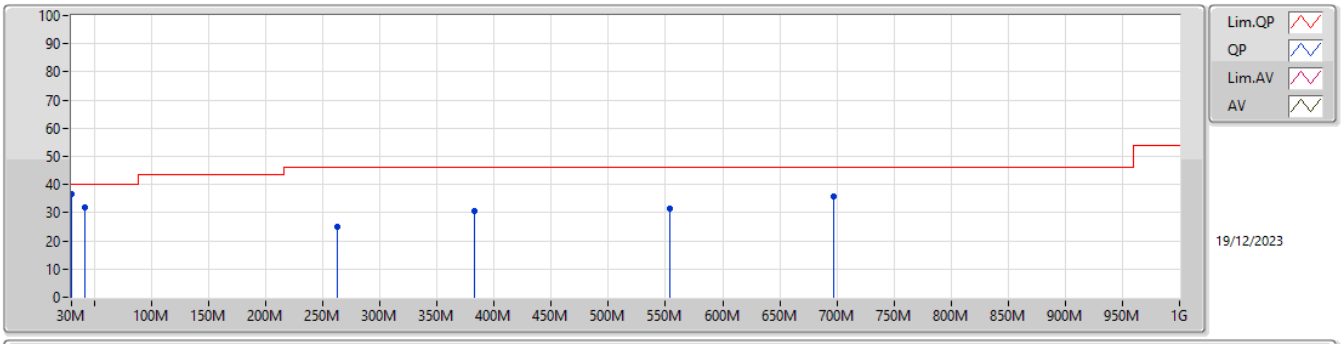
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_2TX	Pass	QP	30M	36.54	40.00	-3.46	3	Vertical	212	1.05	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	41.64M	32.09	40.00	-7.91	3	Vertical	0	1.00	-
2437MHz	Pass	PK	262.8M	24.95	46.00	-21.05	3	Vertical	0	1.00	-
2437MHz	Pass	PK	383.08M	30.80	46.00	-15.20	3	Vertical	0	1.00	-
2437MHz	Pass	PK	553.8M	31.68	46.00	-14.32	3	Vertical	0	1.00	-
2437MHz	Pass	PK	697.36M	35.61	46.00	-10.39	3	Vertical	0	1.00	-
2437MHz	Pass	QP	30M	36.54	40.00	-3.46	3	Vertical	212	1.05	-
2437MHz	Pass	PK	30M	34.71	40.00	-5.29	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	41.64M	33.17	40.00	-6.83	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	191.02M	26.56	43.50	-16.94	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	383.08M	32.40	46.00	-13.60	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	557.68M	31.28	46.00	-14.72	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	697.36M	34.19	46.00	-11.81	3	Horizontal	360	1.00	-

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

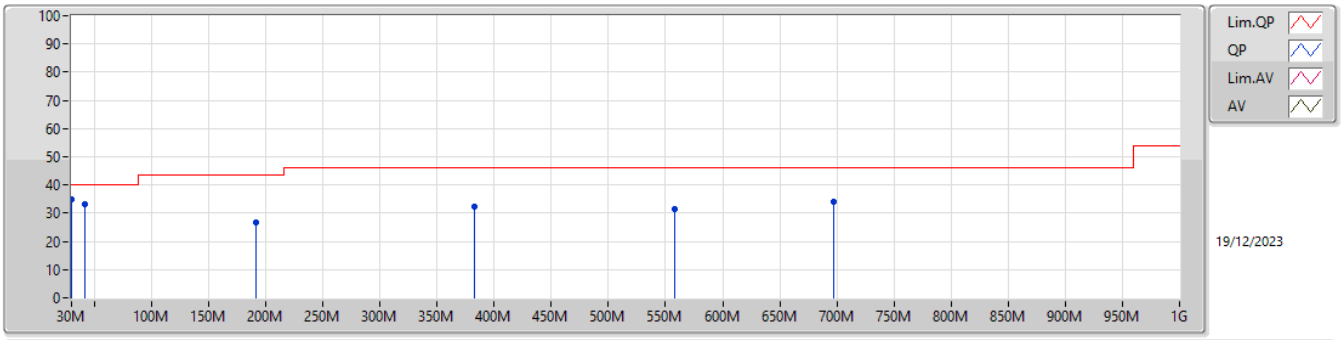
2437MHz_DC Power Supply



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	32.09	40.00	-7.91	-7.91	3	Vertical	0	1.00	40.00	17.36	1.41	26.68
PK	262.8M	24.95	46.00	-21.05	-5.14	3	Vertical	0	1.00	30.09	18.76	3.34	27.24
PK	383.08M	30.80	46.00	-15.20	-3.49	3	Vertical	0	1.00	34.29	20.22	4.10	27.81
PK	553.8M	31.68	46.00	-14.32	0.51	3	Vertical	0	1.00	31.17	24.01	5.18	28.68
PK	697.36M	35.61	46.00	-10.39	1.49	3	Vertical	0	1.00	34.12	23.95	5.94	28.40
QP	30M	36.54	40.00	-3.46	-3.19	3	Vertical	212	1.05	39.73	22.98	1.23	27.40

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

2437MHz_DC Power Supply



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	34.71	40.00	-5.29	-3.19	3	Horizontal	360	1.00	37.90	22.98	1.23	27.40
PK	41.64M	33.17	40.00	-6.83	-7.91	3	Horizontal	360	1.00	41.08	17.36	1.41	26.68
PK	191.02M	26.56	43.50	-16.94	-10.45	3	Horizontal	360	1.00	37.01	14.25	2.82	27.52
PK	383.08M	32.40	46.00	-13.60	-3.49	3	Horizontal	360	1.00	35.89	20.22	4.10	27.81
PK	557.68M	31.28	46.00	-14.72	0.57	3	Horizontal	360	1.00	30.71	24.01	5.23	28.67
PK	697.36M	34.19	46.00	-11.81	1.49	3	Horizontal	360	1.00	32.70	23.95	5.94	28.40

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.4838G	53.58	54.00	-0.42	3	Vertical	18	1.30	26
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4854G	53.90	54.00	-0.10	3	Vertical	74	1.92	24
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.387G	53.63	54.00	-0.37	3	Vertical	26	1.69	24
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.3872G	53.88	54.00	-0.12	3	Vertical	24	2.09	22.5

Result

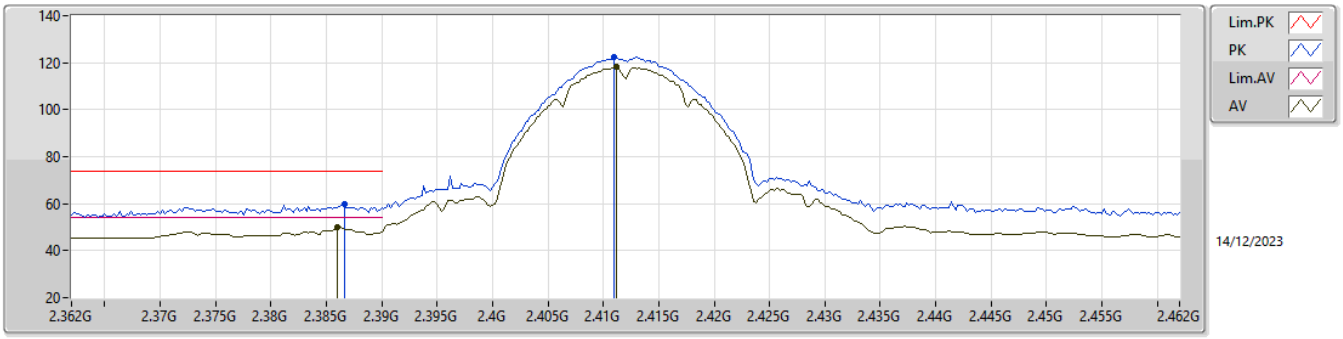
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.386G	49.77	54.00	-4.23	3	Vertical	27	1.49	26
2412MHz	Pass	AV	2.4112G	118.06	Inf	-Inf	3	Vertical	27	1.49	26
2412MHz	Pass	PK	2.3866G	60.00	74.00	-14.00	3	Vertical	27	1.49	26
2412MHz	Pass	PK	2.411G	122.20	Inf	-Inf	3	Vertical	27	1.49	26
2412MHz	Pass	AV	4.82394G	38.44	54.00	-15.56	3	Vertical	304	2.11	26
2412MHz	Pass	PK	4.824G	45.26	74.00	-28.74	3	Vertical	304	2.11	26
2412MHz	Pass	AV	4.82388G	28.82	54.00	-25.18	3	Horizontal	52	1.49	26
2412MHz	Pass	PK	4.82112G	40.75	74.00	-33.25	3	Horizontal	52	1.49	26
2417MHz	Pass	AV	2.39G	53.52	54.00	-0.48	3	Vertical	64	1.82	27
2417MHz	Pass	AV	2.4162G	119.00	Inf	-Inf	3	Vertical	64	1.82	27
2417MHz	Pass	PK	2.39G	60.50	74.00	-13.50	3	Vertical	64	1.82	27
2417MHz	Pass	PK	2.418G	122.94	Inf	-Inf	3	Vertical	64	1.82	27
2437MHz	Pass	AV	2.3842G	46.65	54.00	-7.35	3	Vertical	18	1.50	27
2437MHz	Pass	AV	2.4378G	118.18	Inf	-Inf	3	Vertical	18	1.50	27
2437MHz	Pass	AV	2.4878G	47.28	54.00	-6.72	3	Vertical	18	1.50	27
2437MHz	Pass	PK	2.3778G	57.59	74.00	-16.41	3	Vertical	18	1.50	27
2437MHz	Pass	PK	2.4382G	122.09	Inf	-Inf	3	Vertical	18	1.50	27
2437MHz	Pass	PK	2.493G	58.14	74.00	-15.86	3	Vertical	18	1.50	27
2437MHz	Pass	AV	4.87396G	40.80	54.00	-13.20	3	Vertical	251	1.99	27
2437MHz	Pass	AV	7.31164G	51.09	54.00	-2.91	3	Vertical	262	2.67	27
2437MHz	Pass	PK	4.874G	47.82	74.00	-26.18	3	Vertical	251	1.99	27
2437MHz	Pass	PK	7.3094G	56.98	74.00	-17.02	3	Vertical	262	2.67	27
2437MHz	Pass	AV	4.87396G	30.22	54.00	-23.78	3	Horizontal	190	1.30	27
2437MHz	Pass	AV	7.31168G	40.70	54.00	-13.30	3	Horizontal	138	1.40	27
2437MHz	Pass	PK	4.87388G	41.66	74.00	-32.34	3	Horizontal	190	1.30	27
2437MHz	Pass	PK	7.31296G	49.57	74.00	-24.43	3	Horizontal	138	1.40	27
2457MHz	Pass	AV	2.4562G	117.99	Inf	-Inf	3	Vertical	18	1.30	26
2457MHz	Pass	AV	2.4838G	53.58	54.00	-0.42	3	Vertical	18	1.30	26
2457MHz	Pass	PK	2.456G	121.72	Inf	-Inf	3	Vertical	18	1.30	26
2457MHz	Pass	PK	2.4835G	61.73	74.00	-12.27	3	Vertical	18	1.30	26
2462MHz	Pass	AV	2.4612G	116.34	Inf	-Inf	3	Vertical	147	1.76	25
2462MHz	Pass	AV	2.4888G	50.44	54.00	-3.56	3	Vertical	147	1.76	25
2462MHz	Pass	PK	2.4612G	120.39	Inf	-Inf	3	Vertical	147	1.76	25
2462MHz	Pass	PK	2.4876G	60.06	74.00	-13.94	3	Vertical	147	1.76	25
2462MHz	Pass	AV	4.92392G	39.79	54.00	-14.21	3	Vertical	348	2.01	25
2462MHz	Pass	AV	7.38768G	46.88	54.00	-7.12	3	Vertical	193	2.76	25
2462MHz	Pass	PK	4.92404G	46.24	74.00	-27.76	3	Vertical	348	2.01	25
2462MHz	Pass	PK	7.3844G	53.47	74.00	-20.53	3	Vertical	193	2.76	25
2462MHz	Pass	AV	4.92396G	29.74	54.00	-24.26	3	Horizontal	141	2.46	25
2462MHz	Pass	AV	7.3876G	38.65	54.00	-15.35	3	Horizontal	54	1.96	25
2462MHz	Pass	PK	4.91988G	41.42	74.00	-32.58	3	Horizontal	141	2.46	25
2462MHz	Pass	PK	7.385G	48.36	74.00	-25.64	3	Horizontal	54	1.96	25
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3894G	52.29	54.00	-1.71	3	Vertical	29	2.11	23.5
2412MHz	Pass	AV	2.4088G	110.81	Inf	-Inf	3	Vertical	29	2.11	23.5
2412MHz	Pass	PK	2.3882G	64.44	74.00	-9.56	3	Vertical	29	2.11	23.5
2412MHz	Pass	PK	2.4088G	121.47	Inf	-Inf	3	Vertical	29	2.11	23.5
2412MHz	Pass	AV	4.8202G	28.66	54.00	-25.34	3	Vertical	340	1.94	23.5
2412MHz	Pass	PK	4.82604G	43.50	74.00	-30.50	3	Vertical	340	1.94	23.5
2412MHz	Pass	AV	4.81888G	27.75	54.00	-26.25	3	Horizontal	224	1.50	23.5
2412MHz	Pass	PK	4.82168G	40.21	74.00	-33.79	3	Horizontal	224	1.50	23.5
2417MHz	Pass	AV	2.3894G	50.77	54.00	-3.23	3	Vertical	27	2.10	24
2417MHz	Pass	AV	2.4162G	110.66	Inf	-Inf	3	Vertical	27	2.10	24
2417MHz	Pass	PK	2.3898G	63.08	74.00	-10.92	3	Vertical	27	2.10	24
2417MHz	Pass	PK	2.412G	120.86	Inf	-Inf	3	Vertical	27	2.10	24
2437MHz	Pass	AV	2.389G	52.58	54.00	-1.42	3	Vertical	31	1.83	27
2437MHz	Pass	AV	2.4394G	113.88	Inf	-Inf	3	Vertical	31	1.83	27
2437MHz	Pass	AV	2.4835G	53.56	54.00	-0.44	3	Vertical	31	1.83	27
2437MHz	Pass	PK	2.389G	65.05	74.00	-8.95	3	Vertical	31	1.83	27
2437MHz	Pass	PK	2.4394G	123.94	Inf	-Inf	3	Vertical	31	1.83	27

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.4835G	64.73	74.00	-9.27	3	Vertical	31	1.83	27
2437MHz	Pass	AV	4.87748G	31.10	54.00	-22.90	3	Vertical	334	2.10	27
2437MHz	Pass	AV	7.31G	43.55	54.00	-10.45	3	Vertical	212	2.86	27
2437MHz	Pass	PK	4.87728G	45.16	74.00	-28.84	3	Vertical	334	2.10	27
2437MHz	Pass	PK	7.30928G	58.34	74.00	-15.66	3	Vertical	212	2.86	27
2437MHz	Pass	AV	4.88032G	28.33	54.00	-25.67	3	Horizontal	66	1.84	27
2437MHz	Pass	AV	7.31128G	35.45	54.00	-18.55	3	Horizontal	136	3.00	27
2437MHz	Pass	PK	4.88316G	40.88	74.00	-33.12	3	Horizontal	66	1.84	27
2437MHz	Pass	PK	7.31056G	49.20	74.00	-24.80	3	Horizontal	136	3.00	27
2457MHz	Pass	AV	2.4602G	111.53	Inf	-Inf	3	Vertical	74	1.92	24
2457MHz	Pass	AV	2.4854G	53.90	54.00	-0.10	3	Vertical	74	1.92	24
2457MHz	Pass	PK	2.4602G	121.09	Inf	-Inf	3	Vertical	74	1.92	24
2457MHz	Pass	PK	2.4848G	66.26	74.00	-7.74	3	Vertical	74	1.92	24
2462MHz	Pass	AV	2.4654G	110.72	Inf	-Inf	3	Vertical	76	1.89	23.5
2462MHz	Pass	AV	2.4864G	52.13	54.00	-1.87	3	Vertical	76	1.89	23.5
2462MHz	Pass	PK	2.4602G	120.38	Inf	-Inf	3	Vertical	76	1.89	23.5
2462MHz	Pass	PK	2.4868G	67.34	74.00	-6.66	3	Vertical	76	1.89	23.5
2462MHz	Pass	AV	4.92704G	29.85	54.00	-24.15	3	Vertical	8	2.06	23.5
2462MHz	Pass	AV	7.38808G	38.94	54.00	-15.06	3	Vertical	300	2.71	23.5
2462MHz	Pass	PK	4.91788G	43.82	74.00	-30.18	3	Vertical	8	2.06	23.5
2462MHz	Pass	PK	7.3882G	57.03	74.00	-16.97	3	Vertical	300	2.71	23.5
2462MHz	Pass	AV	4.924G	28.34	54.00	-25.66	3	Horizontal	284	1.50	23.5
2462MHz	Pass	AV	7.3854G	34.03	54.00	-19.97	3	Horizontal	149	1.80	23.5
2462MHz	Pass	PK	4.93132G	41.97	74.00	-32.03	3	Horizontal	284	1.50	23.5
2462MHz	Pass	PK	7.37952G	48.21	74.00	-25.79	3	Horizontal	149	1.80	23.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.387G	53.63	54.00	-0.37	3	Vertical	26	1.69	24
2412MHz	Pass	AV	2.4062G	109.79	Inf	-Inf	3	Vertical	26	1.69	24
2412MHz	Pass	PK	2.3884G	67.71	74.00	-6.29	3	Vertical	26	1.69	24
2412MHz	Pass	PK	2.4072G	121.45	Inf	-Inf	3	Vertical	26	1.69	24
2412MHz	Pass	AV	4.8238G	28.31	54.00	-25.69	3	Vertical	350	1.85	24
2412MHz	Pass	PK	4.82276G	47.07	74.00	-26.93	3	Vertical	350	1.85	24
2412MHz	Pass	AV	4.81756G	27.19	54.00	-26.81	3	Horizontal	146	1.50	24
2412MHz	Pass	PK	4.82188G	41.66	74.00	-32.34	3	Horizontal	146	1.50	24
2417MHz	Pass	AV	2.3866G	52.19	54.00	-1.81	3	Vertical	25	2.08	24.5
2417MHz	Pass	AV	2.4112G	110.10	Inf	-Inf	3	Vertical	25	2.08	24.5
2417MHz	Pass	PK	2.3856G	67.07	74.00	-6.93	3	Vertical	25	2.08	24.5
2417MHz	Pass	PK	2.4104G	122.88	Inf	-Inf	3	Vertical	25	2.08	24.5
2437MHz	Pass	AV	2.3898G	50.86	54.00	-3.14	3	Vertical	337	1.47	26.5
2437MHz	Pass	AV	2.4358G	111.93	Inf	-Inf	3	Vertical	337	1.47	26.5
2437MHz	Pass	AV	2.4835G	51.30	54.00	-2.70	3	Vertical	337	1.47	26.5
2437MHz	Pass	PK	2.3846G	61.25	74.00	-12.75	3	Vertical	337	1.47	26.5
2437MHz	Pass	PK	2.4362G	125.40	Inf	-Inf	3	Vertical	337	1.47	26.5
2437MHz	Pass	PK	2.4835G	63.86	74.00	-10.14	3	Vertical	337	1.47	26.5
2437MHz	Pass	AV	4.8802G	29.73	54.00	-24.27	3	Vertical	326	2.02	26.5
2437MHz	Pass	AV	7.31256G	41.22	54.00	-12.78	3	Vertical	315	2.66	26.5
2437MHz	Pass	PK	4.87212G	45.97	74.00	-28.03	3	Vertical	326	2.02	26.5
2437MHz	Pass	PK	7.31072G	60.71	74.00	-13.29	3	Vertical	315	2.66	26.5
2437MHz	Pass	AV	4.87944G	27.80	54.00	-26.20	3	Horizontal	208	1.80	26.5
2437MHz	Pass	AV	7.30932G	35.10	54.00	-18.90	3	Horizontal	61	1.74	26.5
2437MHz	Pass	PK	4.8838G	41.64	74.00	-32.36	3	Horizontal	208	1.80	26.5
2437MHz	Pass	PK	7.30812G	50.12	74.00	-23.88	3	Horizontal	61	1.74	26.5
2457MHz	Pass	AV	2.4556G	109.07	Inf	-Inf	3	Vertical	24	1.28	23.5
2457MHz	Pass	AV	2.4836G	51.06	54.00	-2.94	3	Vertical	24	1.28	23.5
2457MHz	Pass	PK	2.4562G	122.30	Inf	-Inf	3	Vertical	24	1.28	23.5
2457MHz	Pass	PK	2.4868G	66.17	74.00	-7.83	3	Vertical	24	1.28	23.5
2462MHz	Pass	AV	2.4588G	108.80	Inf	-Inf	3	Vertical	73	1.50	23.5
2462MHz	Pass	AV	2.4856G	51.33	54.00	-2.67	3	Vertical	73	1.50	23.5
2462MHz	Pass	PK	2.4594G	121.87	Inf	-Inf	3	Vertical	73	1.50	23.5
2462MHz	Pass	PK	2.4836G	66.81	74.00	-7.19	3	Vertical	73	1.50	23.5
2462MHz	Pass	AV	4.91828G	29.28	54.00	-24.72	3	Vertical	258	2.03	23.5
2462MHz	Pass	AV	7.38104G	36.45	54.00	-17.55	3	Vertical	48	2.92	23.5

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	4.92172G	46.02	74.00	-27.98	3	Vertical	258	2.03	23.5
2462MHz	Pass	PK	7.38212G	57.21	74.00	-16.79	3	Vertical	48	2.92	23.5
2462MHz	Pass	AV	4.9294G	27.67	54.00	-26.33	3	Horizontal	298	1.72	23.5
2462MHz	Pass	AV	7.38264G	33.19	54.00	-20.81	3	Horizontal	142	1.80	23.5
2462MHz	Pass	PK	4.92044G	41.15	74.00	-32.85	3	Horizontal	298	1.72	23.5
2462MHz	Pass	PK	7.38428G	49.19	74.00	-24.81	3	Horizontal	142	1.80	23.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3872G	53.88	54.00	-0.12	3	Vertical	24	2.09	22.5
2422MHz	Pass	AV	2.4156G	105.65	Inf	-Inf	3	Vertical	24	2.09	22.5
2422MHz	Pass	AV	2.496G	47.14	54.00	-6.86	3	Vertical	24	2.09	22.5
2422MHz	Pass	PK	2.388G	67.34	74.00	-6.66	3	Vertical	24	2.09	22.5
2422MHz	Pass	PK	2.4176G	117.77	Inf	-Inf	3	Vertical	24	2.09	22.5
2422MHz	Pass	PK	2.4868G	58.52	74.00	-15.48	3	Vertical	24	2.09	22.5
2422MHz	Pass	AV	4.84224G	27.56	54.00	-26.44	3	Vertical	295	1.02	22.5
2422MHz	Pass	AV	7.26088G	34.10	54.00	-19.90	3	Vertical	180	2.96	22.5
2422MHz	Pass	PK	4.84496G	40.54	74.00	-33.46	3	Vertical	295	1.02	22.5
2422MHz	Pass	PK	7.25112G	49.05	74.00	-24.95	3	Vertical	180	2.96	22.5
2422MHz	Pass	AV	4.86344G	27.37	54.00	-26.63	3	Horizontal	344	1.50	22.5
2422MHz	Pass	AV	7.25688G	32.66	54.00	-21.34	3	Horizontal	114	1.50	22.5
2422MHz	Pass	PK	4.84584G	40.39	74.00	-33.61	3	Horizontal	344	1.50	22.5
2422MHz	Pass	PK	7.28144G	45.89	74.00	-28.11	3	Horizontal	114	1.50	22.5
2437MHz	Pass	AV	2.3878G	50.53	54.00	-3.47	3	Vertical	335	1.53	21
2437MHz	Pass	AV	2.4358G	104.32	Inf	-Inf	3	Vertical	335	1.53	21
2437MHz	Pass	AV	2.4842G	53.55	54.00	-0.45	3	Vertical	335	1.53	21
2437MHz	Pass	PK	2.3866G	64.28	74.00	-9.72	3	Vertical	335	1.53	21
2437MHz	Pass	PK	2.4362G	115.07	Inf	-Inf	3	Vertical	335	1.53	21
2437MHz	Pass	PK	2.4862G	66.75	74.00	-7.25	3	Vertical	335	1.53	21
2437MHz	Pass	AV	4.89312G	27.81	54.00	-26.19	3	Vertical	41	2.74	21
2437MHz	Pass	AV	7.30764G	33.35	54.00	-20.65	3	Vertical	156	2.95	21
2437MHz	Pass	PK	4.8816G	40.91	74.00	-33.09	3	Vertical	41	2.74	21
2437MHz	Pass	PK	7.31764G	48.01	74.00	-25.99	3	Vertical	156	2.95	21
2437MHz	Pass	AV	4.88192G	27.60	54.00	-26.40	3	Horizontal	138	1.50	21
2437MHz	Pass	AV	7.301G	32.60	54.00	-21.40	3	Horizontal	202	1.50	21
2437MHz	Pass	PK	4.86384G	40.37	74.00	-33.63	3	Horizontal	138	1.50	21
2437MHz	Pass	PK	7.30684G	45.82	74.00	-28.18	3	Horizontal	202	1.50	21
2447MHz	Pass	AV	2.3858G	45.44	54.00	-8.56	3	Vertical	25	1.85	19
2447MHz	Pass	AV	2.4458G	102.61	Inf	-Inf	3	Vertical	25	1.85	19
2447MHz	Pass	AV	2.4866G	53.52	54.00	-0.48	3	Vertical	25	1.85	19
2447MHz	Pass	PK	2.3794G	56.40	74.00	-17.60	3	Vertical	25	1.85	19
2447MHz	Pass	PK	2.4478G	114.45	Inf	-Inf	3	Vertical	25	1.85	19
2447MHz	Pass	PK	2.4842G	64.56	74.00	-9.44	3	Vertical	25	1.85	19
2452MHz	Pass	AV	2.3896G	45.22	54.00	-8.78	3	Vertical	24	1.81	19
2452MHz	Pass	AV	2.4508G	102.80	Inf	-Inf	3	Vertical	24	1.81	19
2452MHz	Pass	AV	2.4912G	53.42	54.00	-0.58	3	Vertical	24	1.81	19
2452MHz	Pass	PK	2.3896G	56.61	74.00	-17.39	3	Vertical	24	1.81	19
2452MHz	Pass	PK	2.4508G	113.39	Inf	-Inf	3	Vertical	24	1.81	19
2452MHz	Pass	PK	2.4924G	65.56	74.00	-8.44	3	Vertical	24	1.81	19
2452MHz	Pass	AV	4.90464G	27.83	54.00	-26.17	3	Vertical	249	1.50	19
2452MHz	Pass	AV	7.36544G	32.84	54.00	-21.16	3	Vertical	263	2.89	19
2452MHz	Pass	PK	4.92016G	40.82	74.00	-33.18	3	Vertical	249	1.50	19
2452MHz	Pass	PK	7.36416G	46.08	74.00	-27.92	3	Vertical	263	2.89	19
2452MHz	Pass	AV	4.89872G	27.78	54.00	-26.22	3	Horizontal	48	1.50	19
2452MHz	Pass	AV	7.36552G	32.24	54.00	-21.76	3	Horizontal	311	1.09	19
2452MHz	Pass	PK	4.90824G	41.12	74.00	-32.88	3	Horizontal	48	1.50	19
2452MHz	Pass	PK	7.3624G	45.35	74.00	-28.65	3	Horizontal	311	1.09	19

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

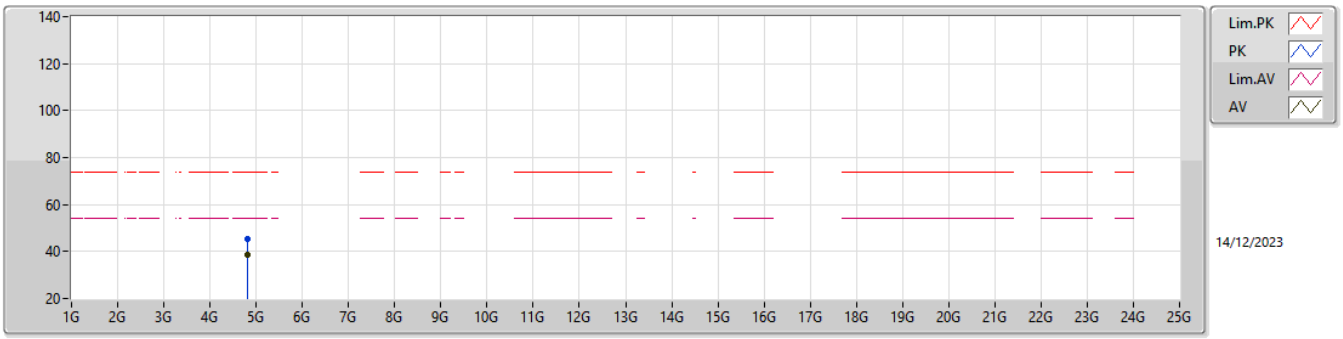
2412MHz_TX



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	2.386G	49.77	54.00	-4.23	31.51	3	Vertical	27	1.49	18.26	27.26	4.25	-
AV	2.4112G	118.06	Inf	-Inf	31.67	3	Vertical	27	1.49	86.39	27.40	4.27	-
PK	2.3866G	60.00	74.00	-14.00	31.52	3	Vertical	27	1.49	28.48	27.27	4.25	-
PK	2.411G	122.20	Inf	-Inf	31.67	3	Vertical	27	1.49	90.53	27.40	4.27	-

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

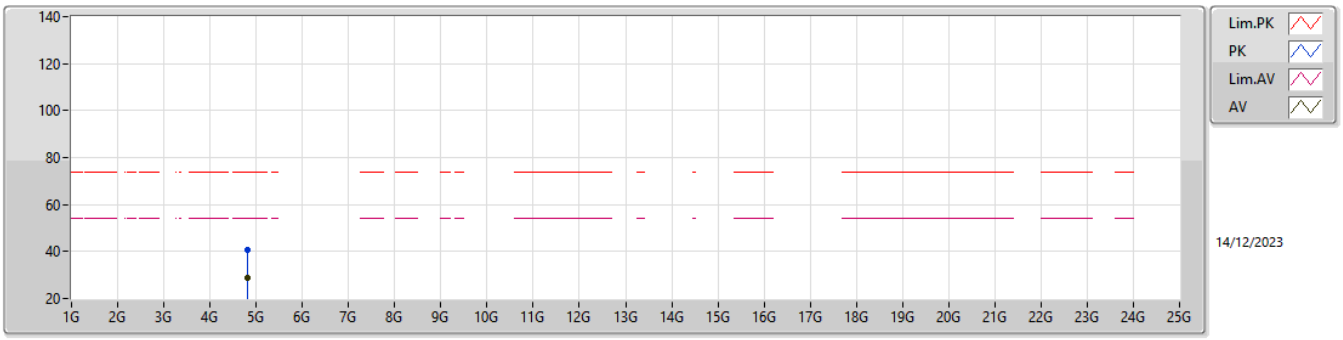
2412MHz_TX



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	4.82394G	38.44	54.00	-15.56	3.66	3	Vertical	304	2.11	34.78	32.30	6.18	34.82
PK	4.824G	45.26	74.00	-28.74	3.66	3	Vertical	304	2.11	41.60	32.30	6.18	34.82

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

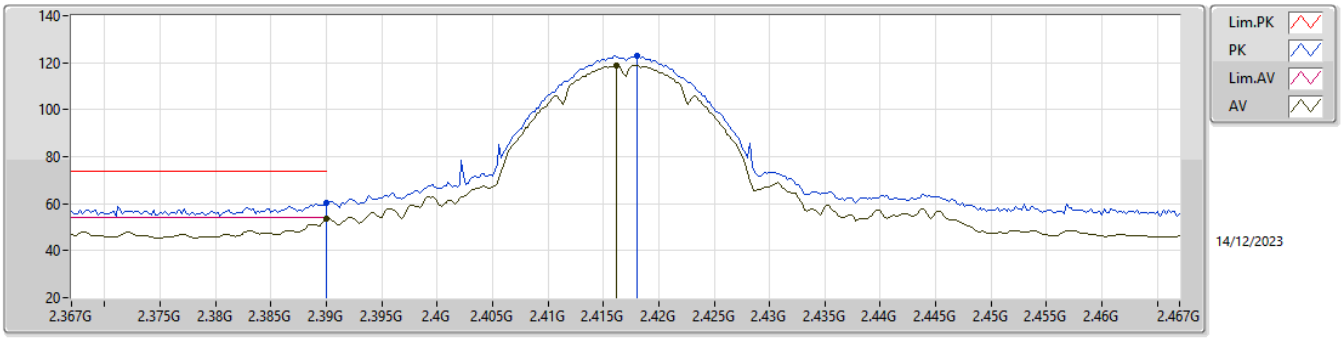
2412MHz_TX



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	4.82388G	28.82	54.00	-25.18	3.66	3	Horizontal	52	1.49	25.16	32.30	6.18	34.82
PK	4.82112G	40.75	74.00	-33.25	3.63	3	Horizontal	52	1.49	37.12	32.28	6.17	34.82

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

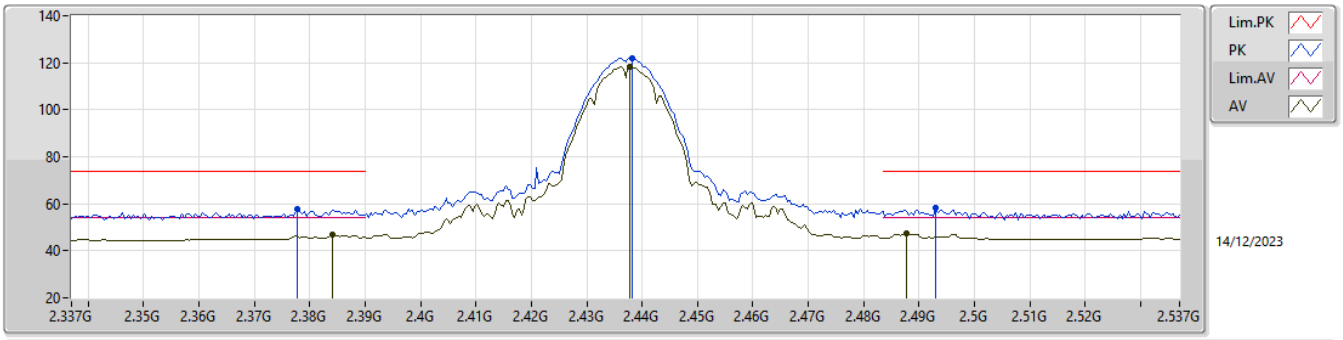
2417MHz_TX



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	53.52	54.00	-0.48	31.55	3	Vertical	64	1.82	21.97	27.30	4.25	-
AV	2.4162G	119.00	Inf	-Inf	31.67	3	Vertical	64	1.82	87.33	27.40	4.27	-
PK	2.39G	60.50	74.00	-13.50	31.55	3	Vertical	64	1.82	28.95	27.30	4.25	-
PK	2.418G	122.94	Inf	-Inf	31.67	3	Vertical	64	1.82	91.27	27.40	4.27	-

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

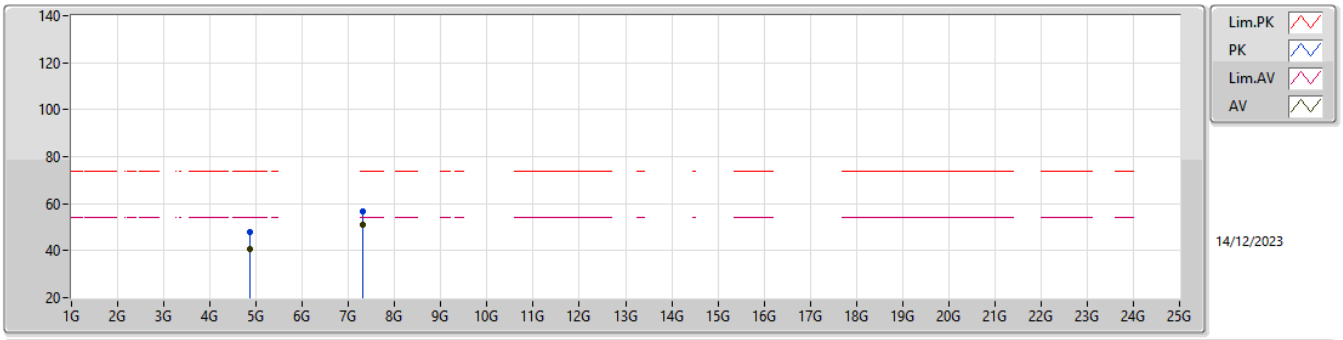
2437MHz_TX



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	2.3842G	46.65	54.00	-7.35	31.49	3	Vertical	18	1.50	15.16	27.24	4.25	-
AV	2.4378G	118.18	Inf	-Inf	31.70	3	Vertical	18	1.50	86.48	27.42	4.28	-
AV	2.4878G	47.28	54.00	-6.72	31.89	3	Vertical	18	1.50	15.39	27.58	4.31	-
PK	2.3778G	57.59	74.00	-16.41	31.42	3	Vertical	18	1.50	26.17	27.18	4.24	-
PK	2.4382G	122.09	Inf	-Inf	31.70	3	Vertical	18	1.50	90.39	27.42	4.28	-
PK	2.493G	58.14	74.00	-15.86	31.92	3	Vertical	18	1.50	26.22	27.60	4.32	-

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

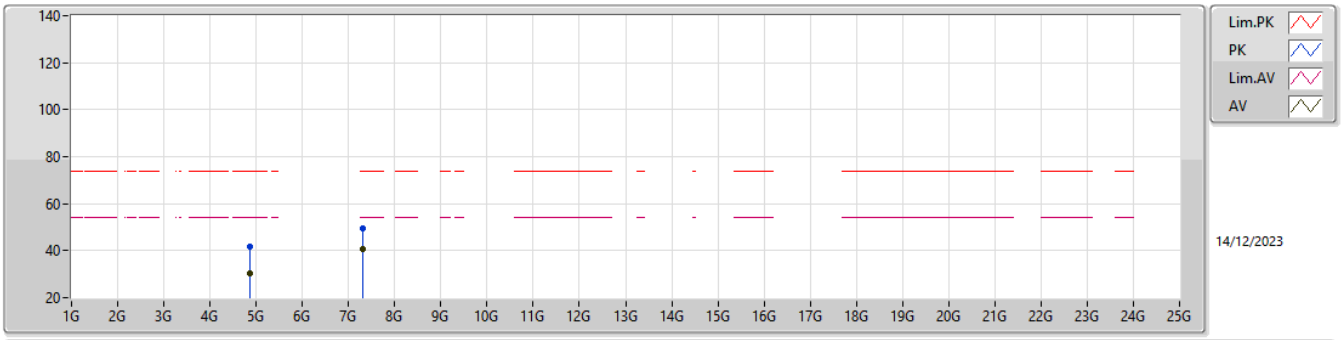
2437MHz_TX



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	4.87396G	40.80	54.00	-13.20	3.90	3	Vertical	251	1.99	36.90	32.50	6.21	34.81
AV	7.31164G	51.09	54.00	-2.91	9.53	3	Vertical	262	2.67	41.56	36.65	7.80	34.92
PK	4.874G	47.82	74.00	-26.18	3.90	3	Vertical	251	1.99	43.92	32.50	6.21	34.81
PK	7.3094G	56.98	74.00	-17.02	9.54	3	Vertical	262	2.67	47.44	36.66	7.80	34.92

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

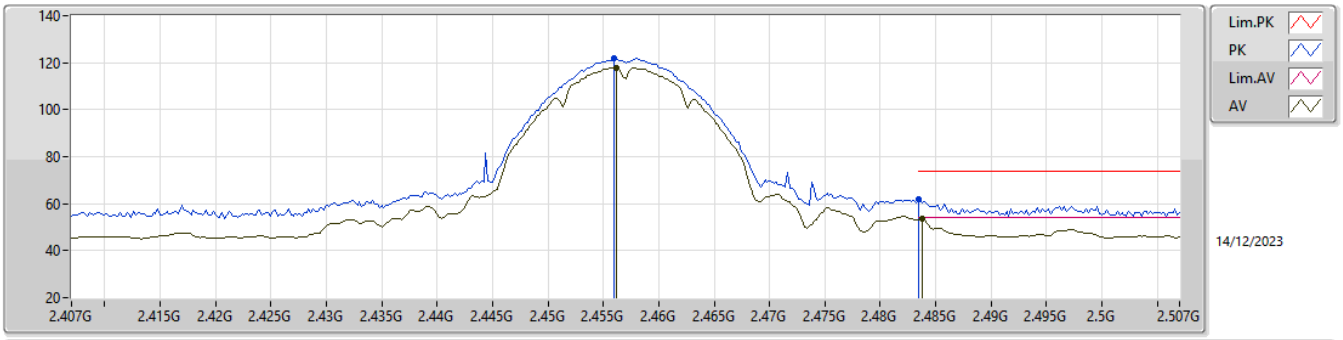
2437MHz_TX



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	4.87396G	30.22	54.00	-23.78	3.90	3	Horizontal	190	1.30	26.32	32.50	6.21	34.81
AV	7.31168G	40.70	54.00	-13.30	9.53	3	Horizontal	138	1.40	31.17	36.65	7.80	34.92
PK	4.87388G	41.66	74.00	-32.34	3.90	3	Horizontal	190	1.30	37.76	32.50	6.21	34.81
PK	7.31296G	49.57	74.00	-24.43	9.53	3	Horizontal	138	1.40	40.04	36.65	7.80	34.92

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

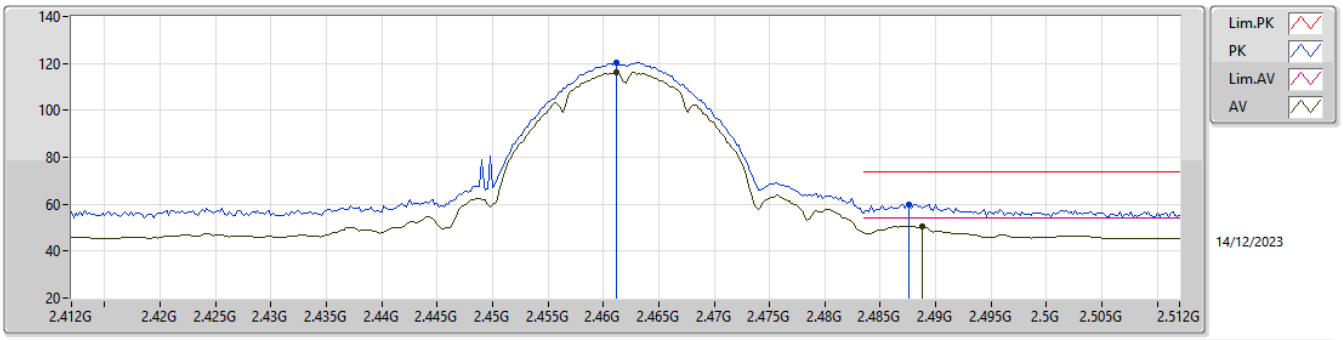
2457MHz_TX



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	2.4562G	117.99	Inf	-Inf	31.69	3	Vertical	18	1.30	86.30	27.40	4.29	-
AV	2.4838G	53.58	54.00	-0.42	31.85	3	Vertical	18	1.30	21.73	27.54	4.31	-
PK	2.456G	121.72	Inf	-Inf	31.69	3	Vertical	18	1.30	90.03	27.40	4.29	-
PK	2.4835G	61.73	74.00	-12.27	31.85	3	Vertical	18	1.30	29.88	27.54	4.31	-

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

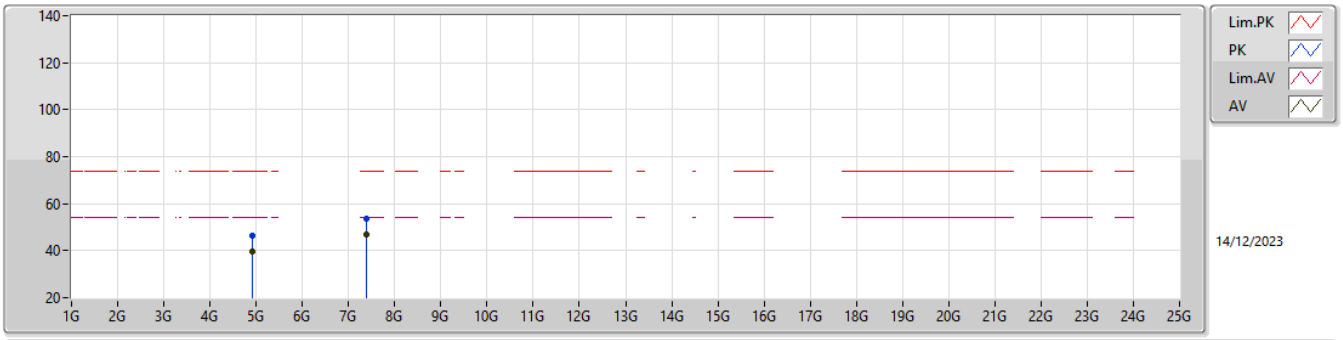
2462MHz_TX



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	116.34	Inf	-Inf	31.70	3	Vertical	147	1.76	84.64	27.40	4.30	-
AV	2.4888G	50.44	54.00	-3.56	31.90	3	Vertical	147	1.76	18.54	27.59	4.31	-
PK	2.4612G	120.39	Inf	-Inf	31.70	3	Vertical	147	1.76	88.69	27.40	4.30	-
PK	2.4876G	60.06	74.00	-13.94	31.89	3	Vertical	147	1.76	28.17	27.58	4.31	-

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

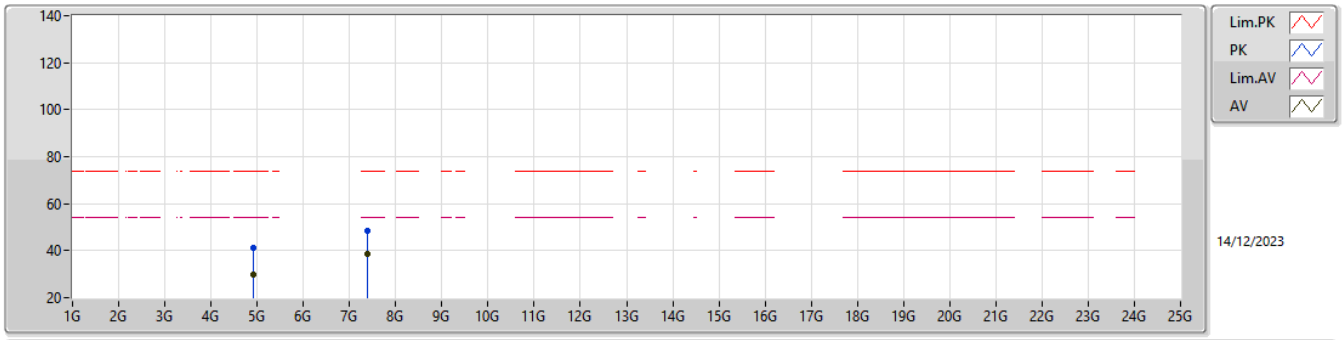
2462MHz_TX



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	4.92392G	39.79	54.00	-14.21	4.20	3	Vertical	348	2.01	35.59	32.74	6.25	34.79
AV	7.38768G	46.88	54.00	-7.12	9.14	3	Vertical	193	2.76	37.74	36.27	7.84	34.97
PK	4.92404G	46.24	74.00	-27.76	4.20	3	Vertical	348	2.01	42.04	32.74	6.25	34.79
PK	7.3844G	53.47	74.00	-20.53	9.16	3	Vertical	193	2.76	44.31	36.29	7.84	34.97

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

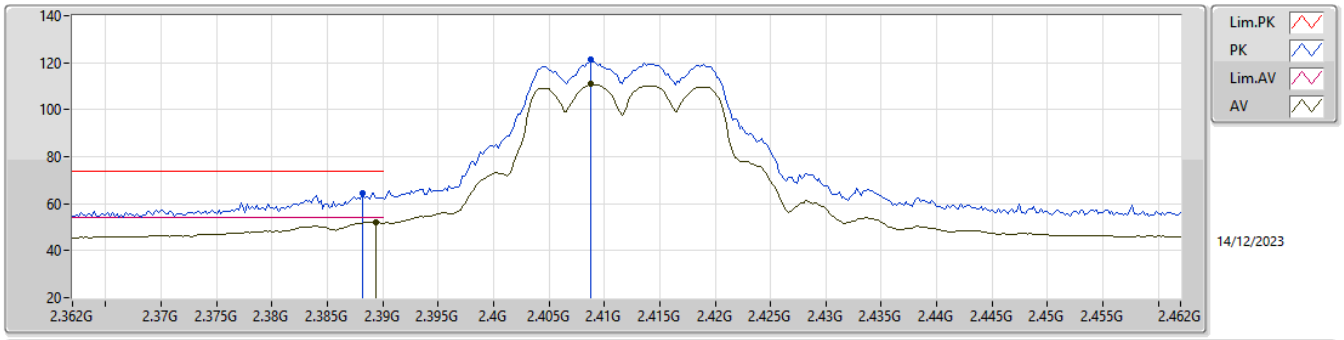
2462MHz_TX



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	4.92396G	29.74	54.00	-24.26	4.20	3	Horizontal	141	2.46	25.54	32.74	6.25	34.79
AV	7.3876G	38.65	54.00	-15.35	9.14	3	Horizontal	54	1.96	29.51	36.27	7.84	34.97
PK	4.91988G	41.42	74.00	-32.58	4.17	3	Horizontal	141	2.46	37.25	32.72	6.24	34.79
PK	7.385G	48.36	74.00	-25.64	9.16	3	Horizontal	54	1.96	39.20	36.29	7.84	34.97

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

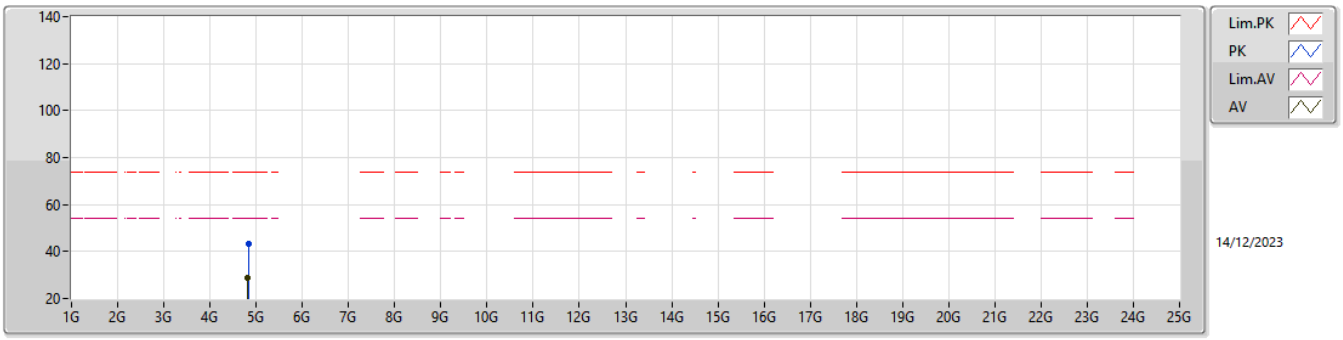
2412MHz_TX



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	2.3894G	52.29	54.00	-1.71	31.54	3	Vertical	29	2.11	20.75	27.29	4.25	-
AV	2.4088G	110.81	Inf	-Inf	31.67	3	Vertical	29	2.11	79.14	27.40	4.27	-
PK	2.3882G	64.44	74.00	-9.56	31.53	3	Vertical	29	2.11	32.91	27.28	4.25	-
PK	2.4088G	121.47	Inf	-Inf	31.67	3	Vertical	29	2.11	89.80	27.40	4.27	-

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

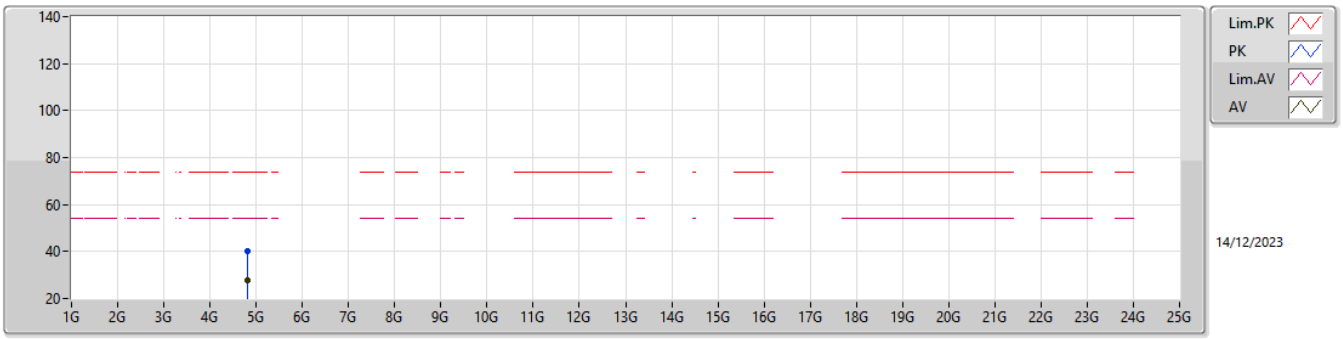
2412MHz_TX



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	4.8202G	28.66	54.00	-25.34	3.63	3	Vertical	340	1.94	25.03	32.28	6.17	34.82
PK	4.82604G	43.50	74.00	-30.50	3.66	3	Vertical	340	1.94	39.84	32.30	6.18	34.82

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

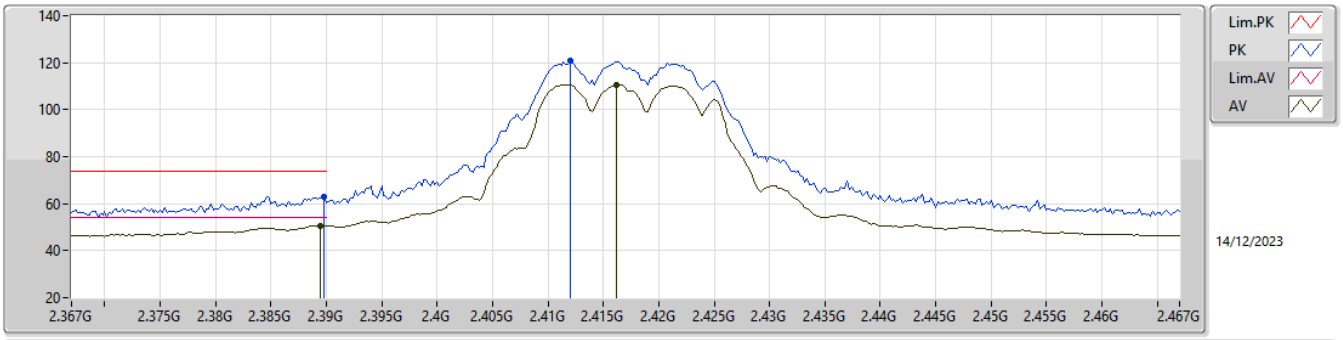
2412MHz_TX



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	4.81888G	27.75	54.00	-26.25	3.63	3	Horizontal	224	1.50	24.12	32.28	6.17	34.82
PK	4.82168G	40.21	74.00	-33.79	3.65	3	Horizontal	224	1.50	36.56	32.29	6.18	34.82

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

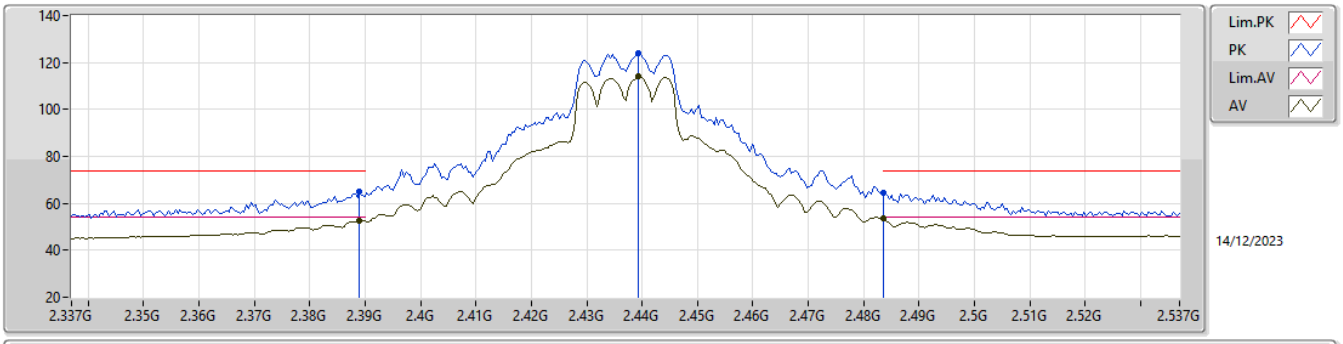
2417MHz_TX



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	2.3894G	50.77	54.00	-3.23	31.54	3	Vertical	27	2.10	19.23	27.29	4.25	-
AV	2.4162G	110.66	Inf	-Inf	31.67	3	Vertical	27	2.10	78.99	27.40	4.27	-
PK	2.3898G	63.08	74.00	-10.92	31.55	3	Vertical	27	2.10	31.53	27.30	4.25	-
PK	2.412G	120.86	Inf	-Inf	31.67	3	Vertical	27	2.10	89.19	27.40	4.27	-

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

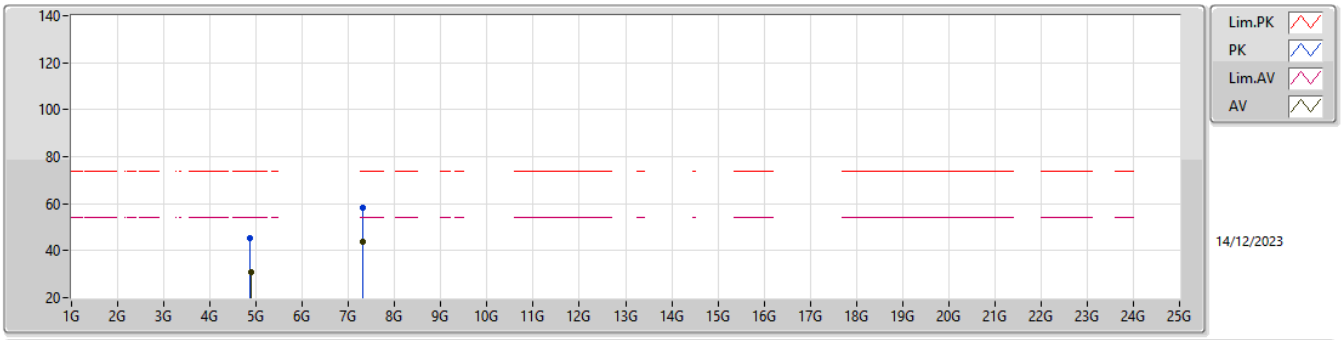
2437MHz_TX



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	2.389G	52.58	54.00	-1.42	31.54	3	Vertical	31	1.83	21.04	27.29	4.25	-
AV	2.4394G	113.88	Inf	-Inf	31.69	3	Vertical	31	1.83	82.19	27.41	4.28	-
AV	2.4835G	53.56	54.00	-0.44	31.85	3	Vertical	31	1.83	21.71	27.54	4.31	-
PK	2.389G	65.05	74.00	-8.95	31.54	3	Vertical	31	1.83	33.51	27.29	4.25	-
PK	2.4394G	123.94	Inf	-Inf	31.69	3	Vertical	31	1.83	92.25	27.41	4.28	-
PK	2.4835G	64.73	74.00	-9.27	31.85	3	Vertical	31	1.83	32.88	27.54	4.31	-

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

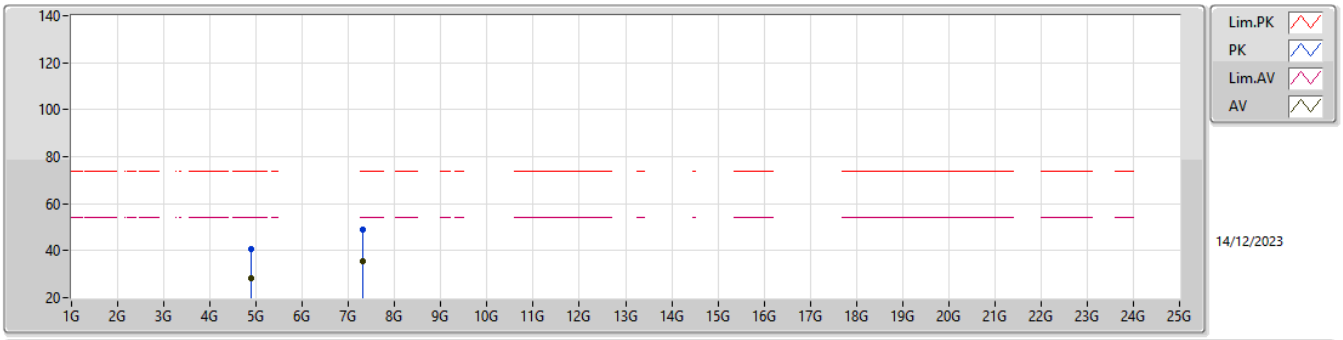
2437MHz_TX



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	4.87748G	31.10	54.00	-22.90	3.91	3	Vertical	334	2.10	27.19	32.51	6.21	34.81
AV	7.31G	43.55	54.00	-10.45	9.54	3	Vertical	212	2.86	34.01	36.66	7.80	34.92
PK	4.87728G	45.16	74.00	-28.84	3.91	3	Vertical	334	2.10	41.25	32.51	6.21	34.81
PK	7.30928G	58.34	74.00	-15.66	9.54	3	Vertical	212	2.86	48.80	36.66	7.80	34.92

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

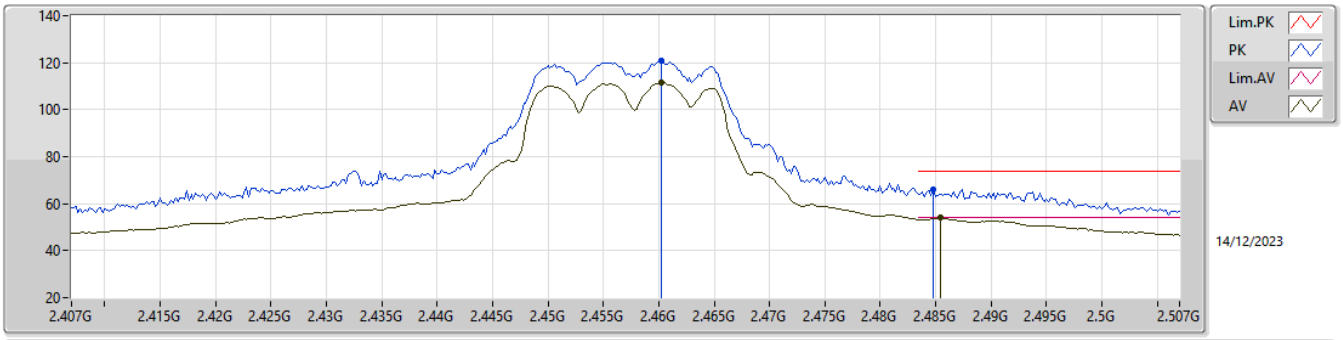
2437MHz_TX



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	4.88032G	28.33	54.00	-25.67	3.93	3	Horizontal	66	1.84	24.40	32.52	6.22	34.81
AV	7.31128G	35.45	54.00	-18.55	9.53	3	Horizontal	136	3.00	25.92	36.65	7.80	34.92
PK	4.88316G	40.88	74.00	-33.12	3.94	3	Horizontal	66	1.84	36.94	32.53	6.22	34.81
PK	7.31056G	49.20	74.00	-24.80	9.54	3	Horizontal	136	3.00	39.66	36.66	7.80	34.92

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

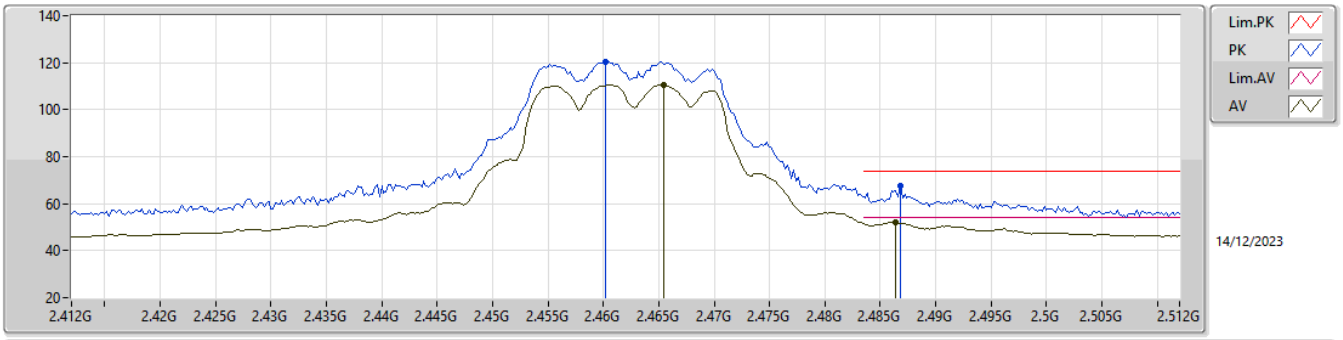
2457MHz_TX



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	2.4602G	111.53	Inf	-Inf	31.70	3	Vertical	74	1.92	79.83	27.40	4.30	-
AV	2.4854G	53.90	54.00	-0.10	31.86	3	Vertical	74	1.92	22.04	27.55	4.31	-
PK	2.4602G	121.09	Inf	-Inf	31.70	3	Vertical	74	1.92	89.39	27.40	4.30	-
PK	2.4848G	66.26	74.00	-7.74	31.86	3	Vertical	74	1.92	34.40	27.55	4.31	-

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

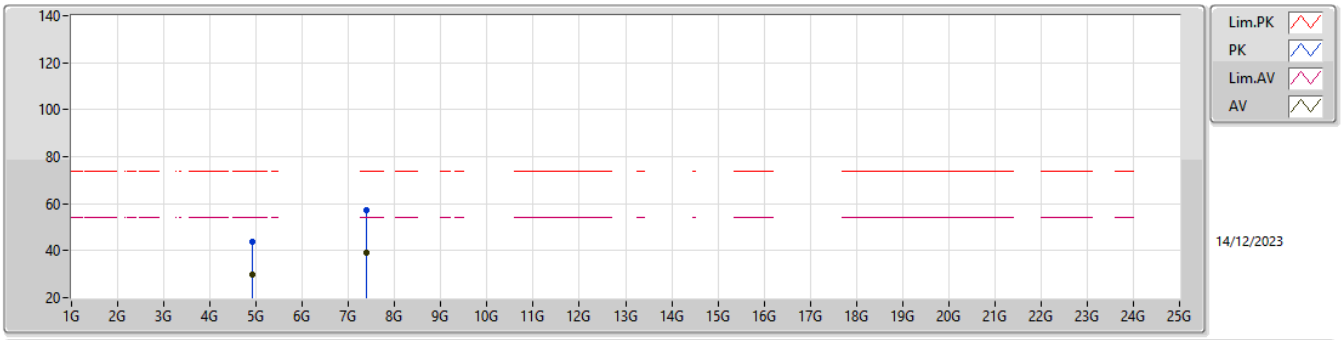
2462MHz_TX



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	2.4654G	110.72	Inf	-Inf	31.70	3	Vertical	76	1.89	79.02	27.40	4.30	-
AV	2.4864G	52.13	54.00	-1.87	31.87	3	Vertical	76	1.89	20.26	27.56	4.31	-
PK	2.4602G	120.38	Inf	-Inf	31.70	3	Vertical	76	1.89	88.68	27.40	4.30	-
PK	2.4868G	67.34	74.00	-6.66	31.88	3	Vertical	76	1.89	35.46	27.57	4.31	-

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

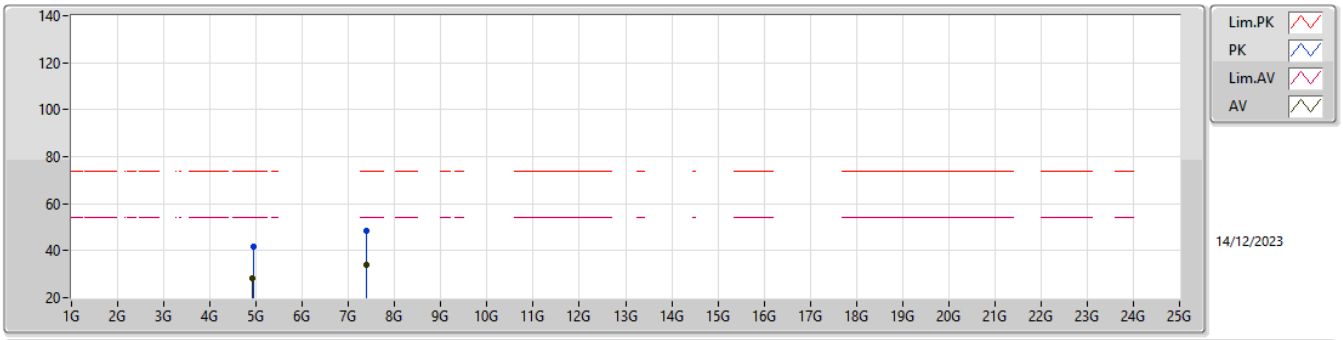
2462MHz_TX



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	4.92704G	29.85	54.00	-24.15	4.22	3	Vertical	8	2.06	25.63	32.76	6.25	34.79
AV	7.38808G	38.94	54.00	-15.06	9.14	3	Vertical	300	2.71	29.80	36.27	7.84	34.97
PK	4.91788G	43.82	74.00	-30.18	4.16	3	Vertical	8	2.06	39.66	32.71	6.24	34.79
PK	7.3882G	57.03	74.00	-16.97	9.14	3	Vertical	300	2.71	47.89	36.27	7.84	34.97

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

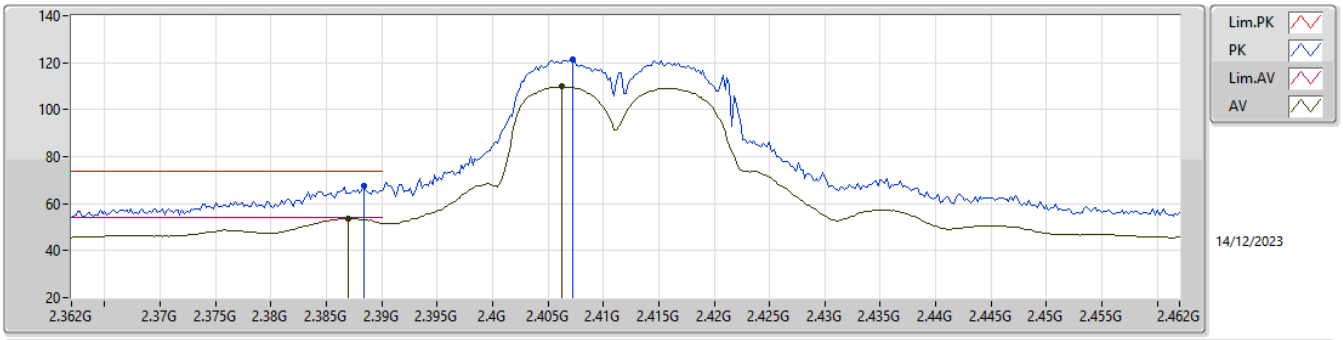
2462MHz_TX



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	4.924G	28.34	54.00	-25.66	4.20	3	Horizontal	284	1.50	24.14	32.74	6.25	34.79
AV	7.3854G	34.03	54.00	-19.97	9.16	3	Horizontal	149	1.80	24.87	36.29	7.84	34.97
PK	4.93132G	41.97	74.00	-32.03	4.25	3	Horizontal	284	1.50	37.72	32.79	6.25	34.79
PK	7.37952G	48.21	74.00	-25.79	9.19	3	Horizontal	149	1.80	39.02	36.32	7.84	34.97

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

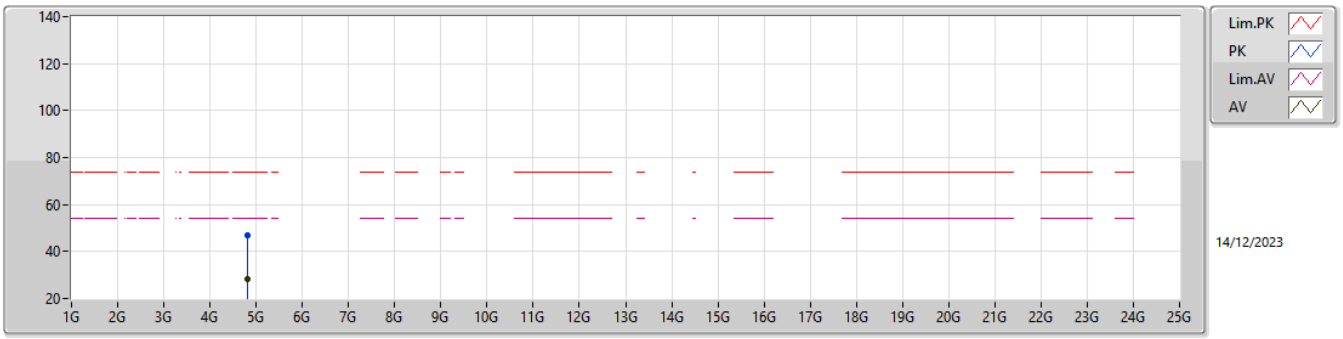
2412MHz_TX



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	2.387G	53.63	54.00	-0.37	31.52	3	Vertical	26	1.69	22.11	27.27	4.25	-
AV	2.4062G	109.79	Inf	-Inf	31.66	3	Vertical	26	1.69	78.13	27.40	4.26	-
PK	2.3884G	67.71	74.00	-6.29	31.53	3	Vertical	26	1.69	36.18	27.28	4.25	-
PK	2.4072G	121.45	Inf	-Inf	31.66	3	Vertical	26	1.69	89.79	27.40	4.26	-

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

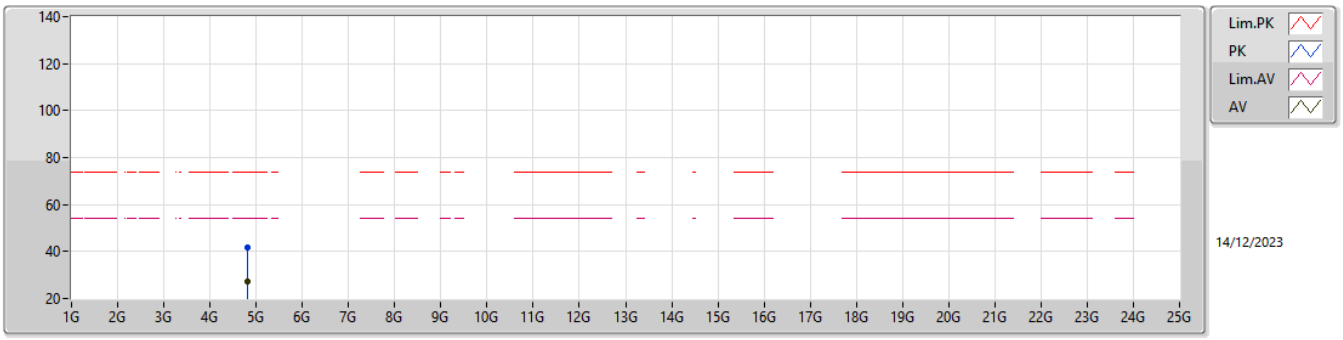
2412MHz_TX



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	4.8238G	28.31	54.00	-25.69	3.66	3	Vertical	350	1.85	24.65	32.30	6.18	34.82
PK	4.82276G	47.07	74.00	-26.93	3.65	3	Vertical	350	1.85	43.42	32.29	6.18	34.82

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

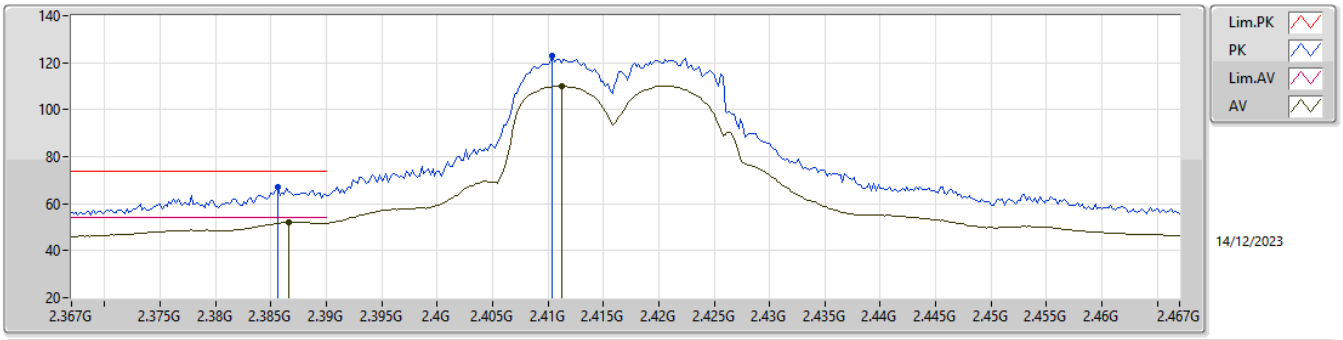
2412MHz_TX



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	4.81756G	27.19	54.00	-26.81	3.62	3	Horizontal	146	1.50	23.57	32.27	6.17	34.82
PK	4.82188G	41.66	74.00	-32.34	3.65	3	Horizontal	146	1.50	38.01	32.29	6.18	34.82

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

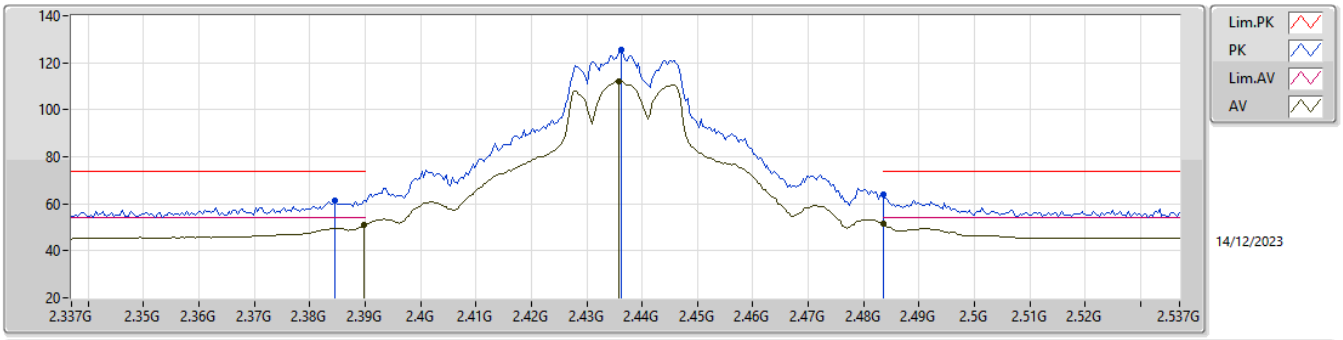
2417MHz_TX



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	2.3866G	52.19	54.00	-1.81	31.52	3	Vertical	25	2.08	20.67	27.27	4.25	-
AV	2.4112G	110.10	Inf	-Inf	31.67	3	Vertical	25	2.08	78.43	27.40	4.27	-
PK	2.3856G	67.07	74.00	-6.93	31.51	3	Vertical	25	2.08	35.56	27.26	4.25	-
PK	2.4104G	122.88	Inf	-Inf	31.67	3	Vertical	25	2.08	91.21	27.40	4.27	-

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

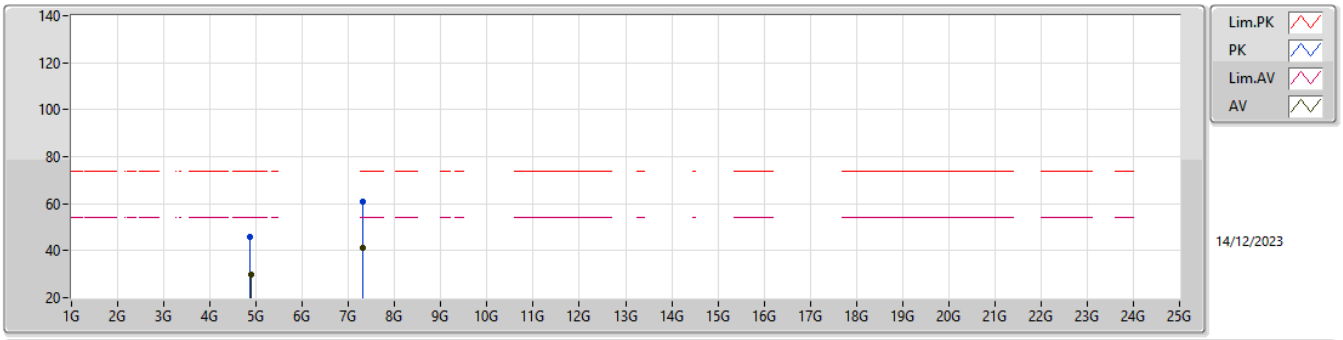
2437MHz_TX



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	2.3898G	50.86	54.00	-3.14	31.55	3	Vertical	337	1.47	19.31	27.30	4.25	-
AV	2.4358G	111.93	Inf	-Inf	31.72	3	Vertical	337	1.47	80.21	27.44	4.28	-
AV	2.4835G	51.30	54.00	-2.70	31.85	3	Vertical	337	1.47	19.45	27.54	4.31	-
PK	2.3846G	61.25	74.00	-12.75	31.50	3	Vertical	337	1.47	29.75	27.25	4.25	-
PK	2.4362G	125.40	Inf	-Inf	31.72	3	Vertical	337	1.47	93.68	27.44	4.28	-
PK	2.4835G	63.86	74.00	-10.14	31.85	3	Vertical	337	1.47	32.01	27.54	4.31	-

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

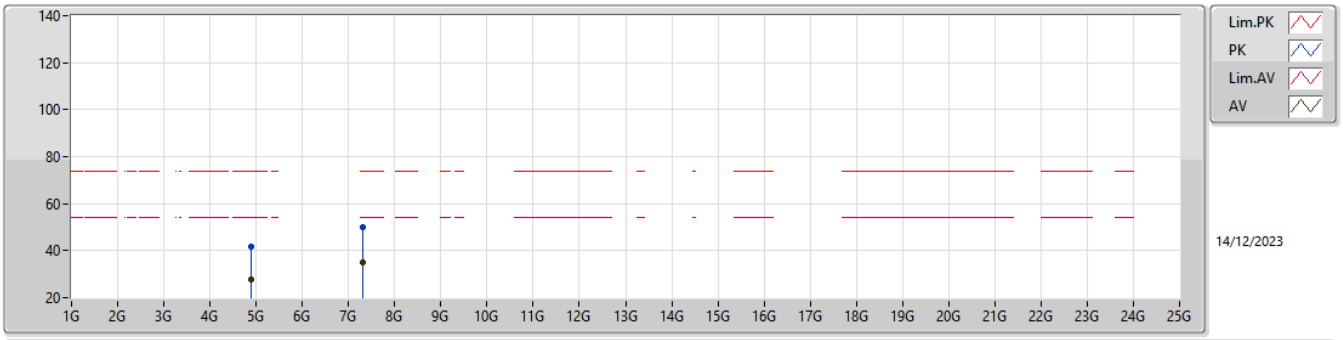
2437MHz_TX



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	4.8802G	29.73	54.00	-24.27	3.93	3	Vertical	326	2.02	25.80	32.52	6.22	34.81
AV	7.31256G	41.22	54.00	-12.78	9.53	3	Vertical	315	2.66	31.69	36.65	7.80	34.92
PK	4.87212G	45.97	74.00	-28.03	3.89	3	Vertical	326	2.02	42.08	32.49	6.21	34.81
PK	7.31072G	60.71	74.00	-13.29	9.54	3	Vertical	315	2.66	51.17	36.66	7.80	34.92

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

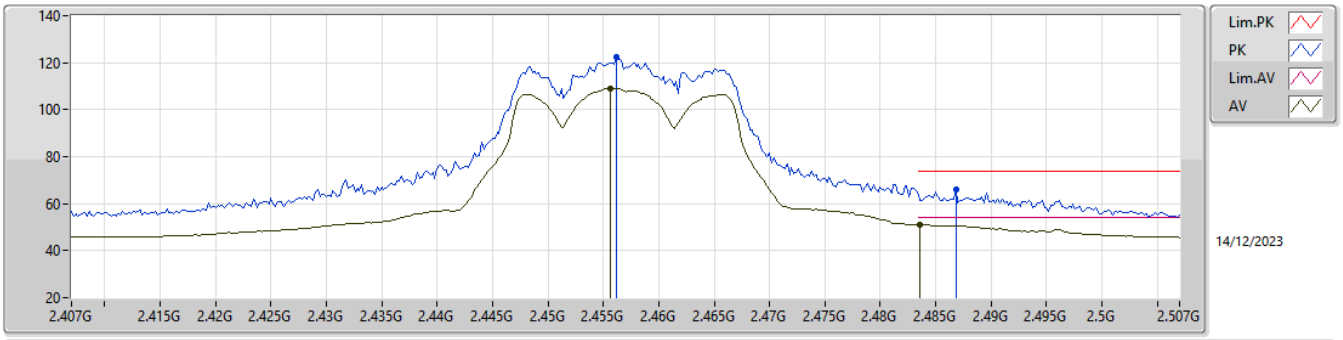
2437MHz_TX



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	4.87944G	27.80	54.00	-26.20	3.93	3	Horizontal	208	1.80	23.87	32.52	6.22	34.81
AV	7.30932G	35.10	54.00	-18.90	9.54	3	Horizontal	61	1.74	25.56	36.66	7.80	34.92
PK	4.8838G	41.64	74.00	-32.36	3.96	3	Horizontal	208	1.80	37.68	32.54	6.22	34.80
PK	7.30812G	50.12	74.00	-23.88	9.54	3	Horizontal	61	1.74	40.58	36.67	7.79	34.92

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

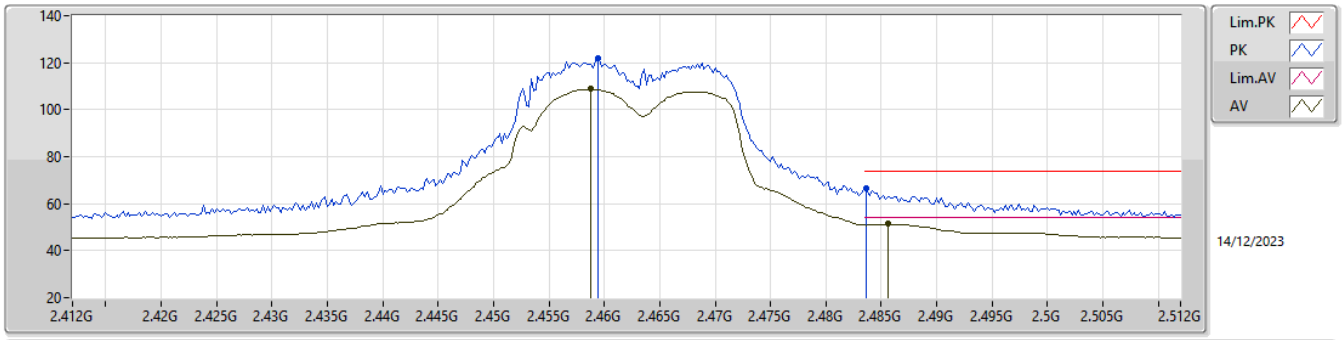
2457MHz_TX



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	2.4556G	109.07	Inf	-Inf	31.69	3	Vertical	24	1.28	77.38	27.40	4.29	-
AV	2.4836G	51.06	54.00	-2.94	31.85	3	Vertical	24	1.28	19.21	27.54	4.31	-
PK	2.4562G	122.30	Inf	-Inf	31.69	3	Vertical	24	1.28	90.61	27.40	4.29	-
PK	2.4868G	66.17	74.00	-7.83	31.88	3	Vertical	24	1.28	34.29	27.57	4.31	-

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

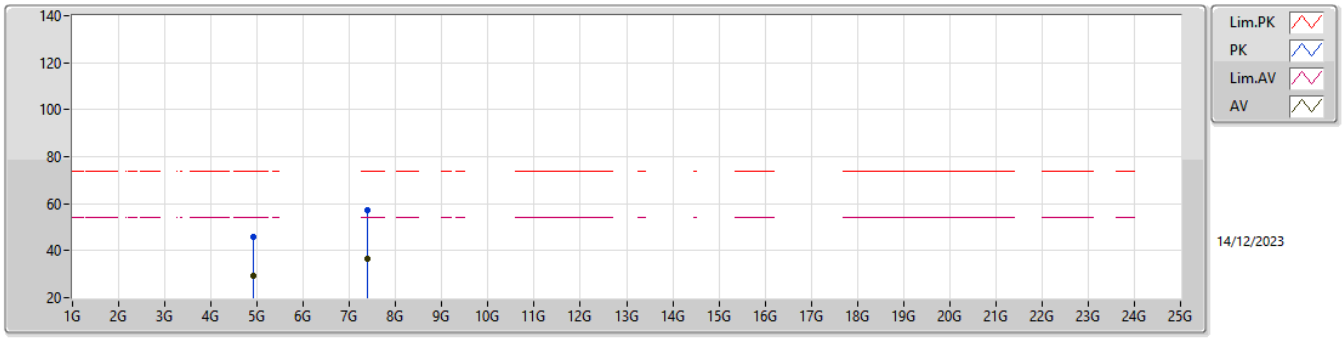
2462MHz_TX



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	2.4588G	108.80	Inf	-Inf	31.70	3	Vertical	73	1.50	77.10	27.40	4.30	-
AV	2.4856G	51.33	54.00	-2.67	31.87	3	Vertical	73	1.50	19.46	27.56	4.31	-
PK	2.4594G	121.87	Inf	-Inf	31.70	3	Vertical	73	1.50	90.17	27.40	4.30	-
PK	2.4836G	66.81	74.00	-7.19	31.85	3	Vertical	73	1.50	34.96	27.54	4.31	-

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

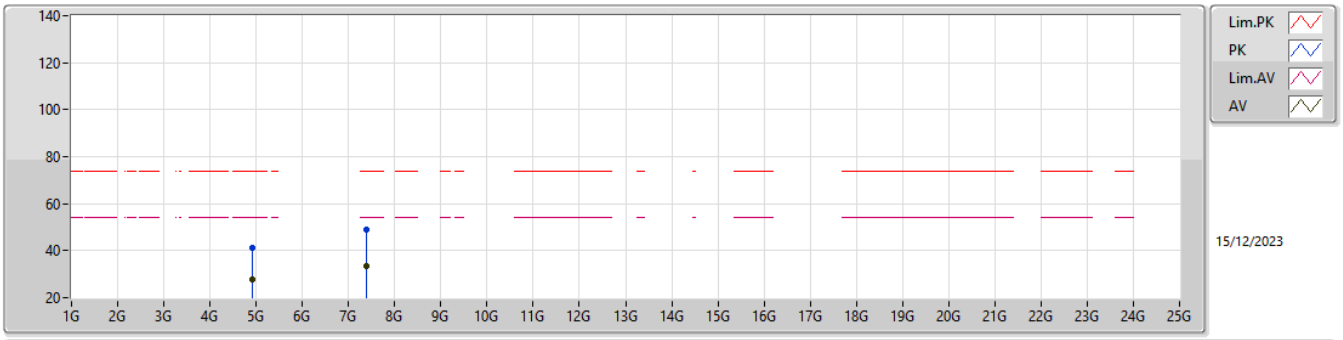
2462MHz_TX



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	4.91828G	29.28	54.00	-24.72	4.16	3	Vertical	258	2.03	25.12	32.71	6.24	34.79
AV	7.38104G	36.45	54.00	-17.55	9.18	3	Vertical	48	2.92	27.27	36.31	7.84	34.97
PK	4.92172G	46.02	74.00	-27.98	4.19	3	Vertical	258	2.03	41.83	32.73	6.25	34.79
PK	7.38212G	57.21	74.00	-16.79	9.18	3	Vertical	48	2.92	48.03	36.31	7.84	34.97

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

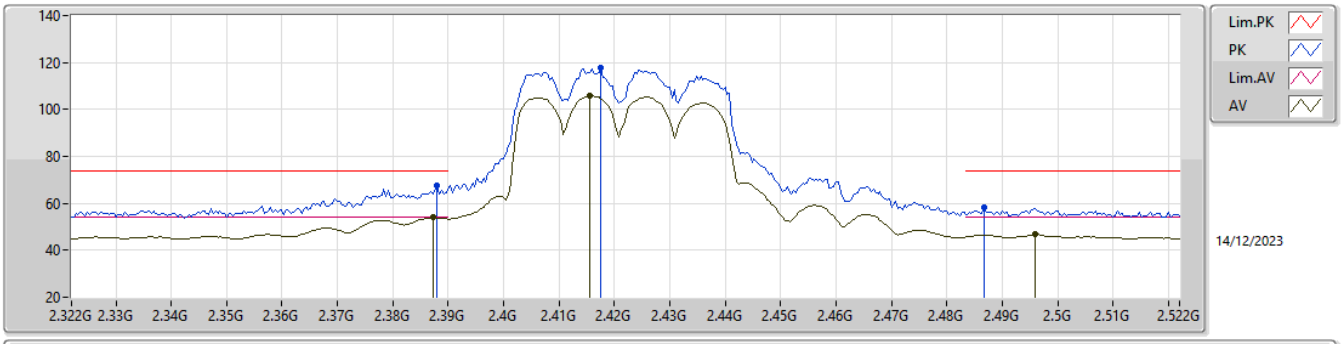
2462MHz_TX



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	4.9294G	27.67	54.00	-26.33	4.24	3	Horizontal	298	1.72	23.43	32.78	6.25	34.79
AV	7.38264G	33.19	54.00	-20.81	9.17	3	Horizontal	142	1.80	24.02	36.30	7.84	34.97
PK	4.92044G	41.15	74.00	-32.85	4.17	3	Horizontal	298	1.72	36.98	32.72	6.24	34.79
PK	7.38428G	49.19	74.00	-24.81	9.16	3	Horizontal	142	1.80	40.03	36.29	7.84	34.97

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

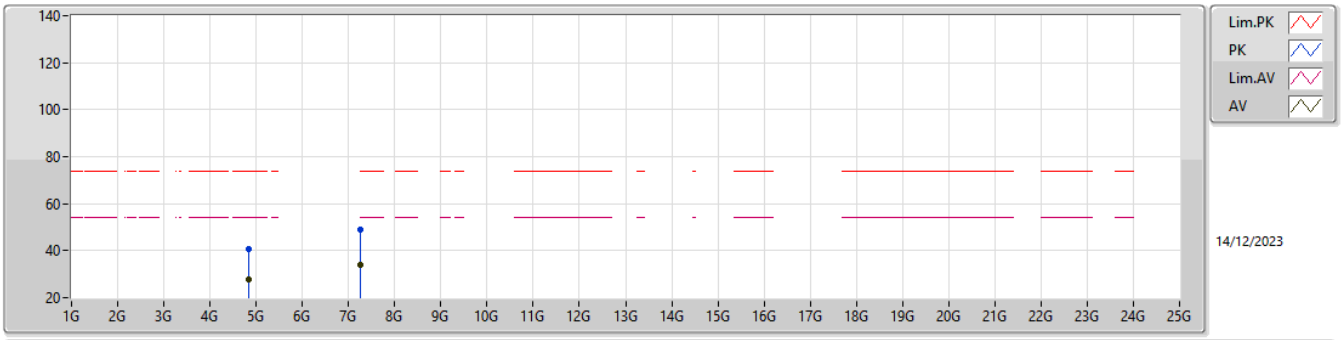
2422MHz_TX



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	2.3872G	53.88	54.00	-0.12	31.52	3	Vertical	24	2.09	22.36	27.27	4.25	-
AV	2.4156G	105.65	Inf	-Inf	31.67	3	Vertical	24	2.09	73.98	27.40	4.27	-
AV	2.496G	47.14	54.00	-6.86	31.92	3	Vertical	24	2.09	15.22	27.60	4.32	-
PK	2.388G	67.34	74.00	-6.66	31.53	3	Vertical	24	2.09	35.81	27.28	4.25	-
PK	2.4176G	117.77	Inf	-Inf	31.67	3	Vertical	24	2.09	86.10	27.40	4.27	-
PK	2.4868G	58.52	74.00	-15.48	31.88	3	Vertical	24	2.09	26.64	27.57	4.31	-

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

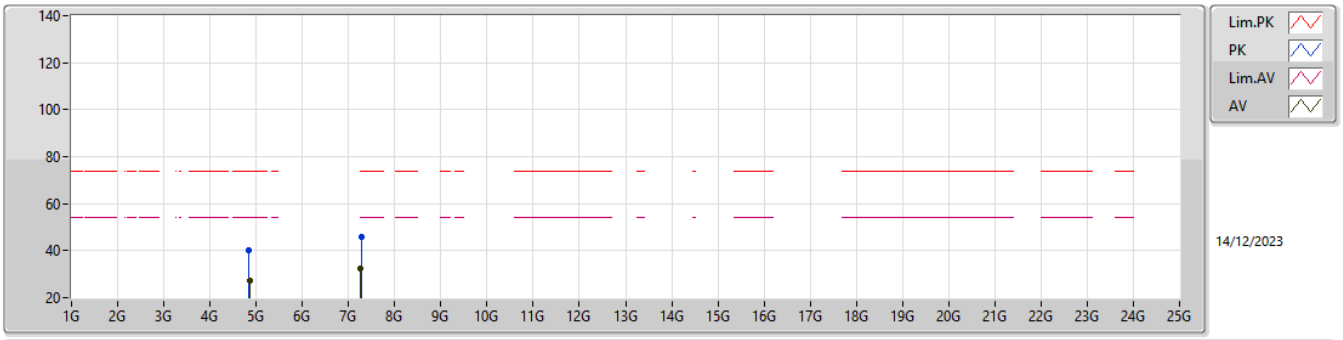
2422MHz_TX



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	4.84224G	27.56	54.00	-26.44	3.74	3	Vertical	295	1.02	23.82	32.37	6.19	34.82
AV	7.26088G	34.10	54.00	-19.90	9.50	3	Vertical	180	2.96	24.60	36.62	7.77	34.89
PK	4.84496G	40.54	74.00	-33.46	3.75	3	Vertical	295	1.02	36.79	32.38	6.19	34.82
PK	7.25112G	49.05	74.00	-24.95	9.47	3	Vertical	180	2.96	39.58	36.60	7.76	34.89

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

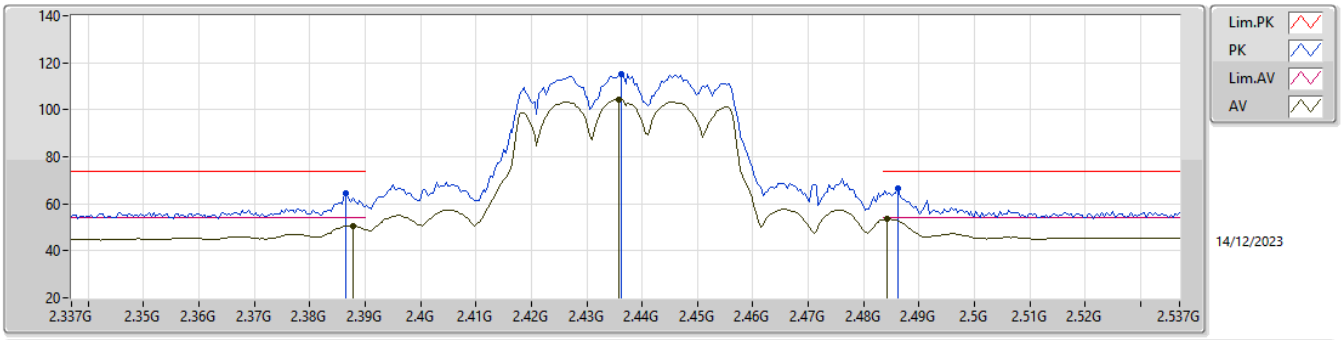
2422MHz_TX



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	4.86344G	27.37	54.00	-26.63	3.84	3	Horizontal	344	1.50	23.53	32.45	6.20	34.81
AV	7.25688G	32.66	54.00	-21.34	9.48	3	Horizontal	114	1.50	23.18	36.61	7.76	34.89
PK	4.84584G	40.39	74.00	-33.61	3.75	3	Horizontal	344	1.50	36.64	32.38	6.19	34.82
PK	7.28144G	45.89	74.00	-28.11	9.54	3	Horizontal	114	1.50	36.35	36.66	7.78	34.90

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

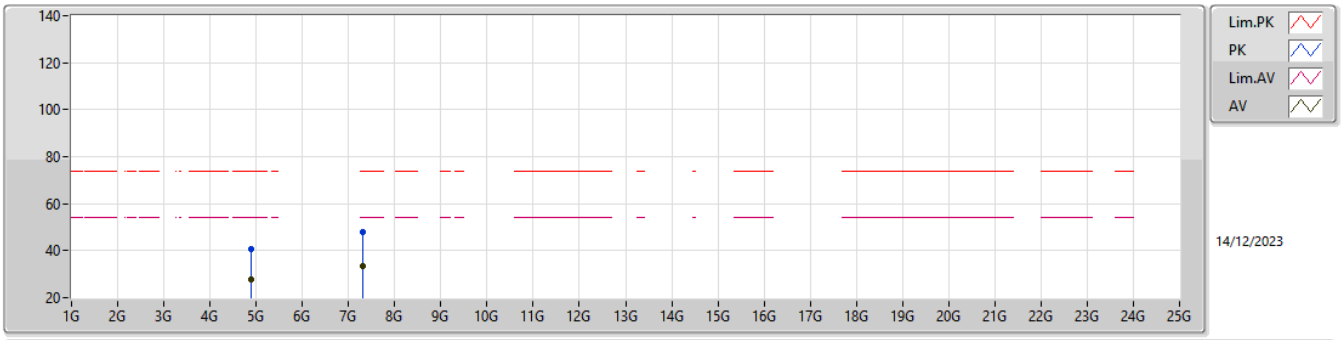
2437MHz_TX



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	2.3878G	50.53	54.00	-3.47	31.53	3	Vertical	335	1.53	19.00	27.28	4.25	-
AV	2.4358G	104.32	Inf	-Inf	31.72	3	Vertical	335	1.53	72.60	27.44	4.28	-
AV	2.4842G	53.55	54.00	-0.45	31.85	3	Vertical	335	1.53	21.70	27.54	4.31	-
PK	2.3866G	64.28	74.00	-9.72	31.52	3	Vertical	335	1.53	32.76	27.27	4.25	-
PK	2.4362G	115.07	Inf	-Inf	31.72	3	Vertical	335	1.53	83.35	27.44	4.28	-
PK	2.4862G	66.75	74.00	-7.25	31.87	3	Vertical	335	1.53	34.88	27.56	4.31	-

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

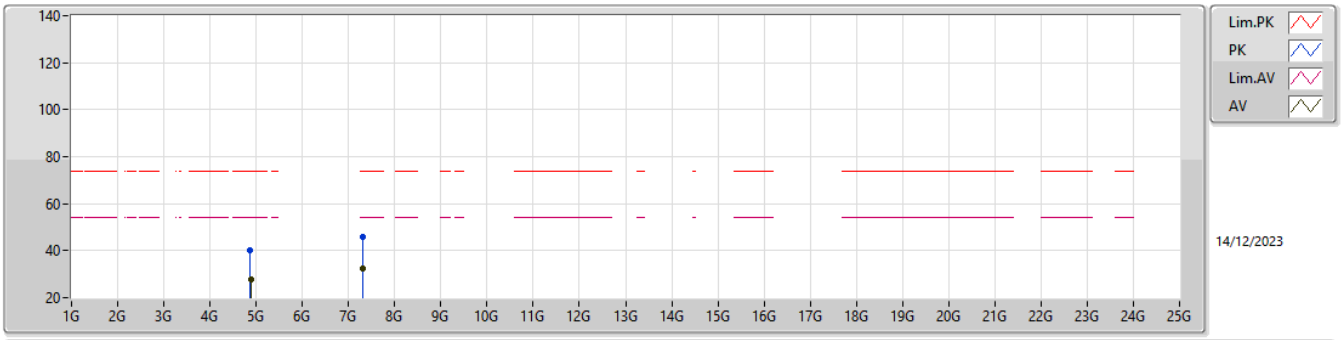
2437MHz_TX



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	4.89312G	27.81	54.00	-26.19	4.00	3	Vertical	41	2.74	23.81	32.57	6.23	34.80
AV	7.30764G	33.35	54.00	-20.65	9.54	3	Vertical	156	2.95	23.81	36.67	7.79	34.92
PK	4.8816G	40.91	74.00	-33.09	3.94	3	Vertical	41	2.74	36.97	32.53	6.22	34.81
PK	7.31764G	48.01	74.00	-25.99	9.50	3	Vertical	156	2.95	38.51	36.63	7.80	34.93

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

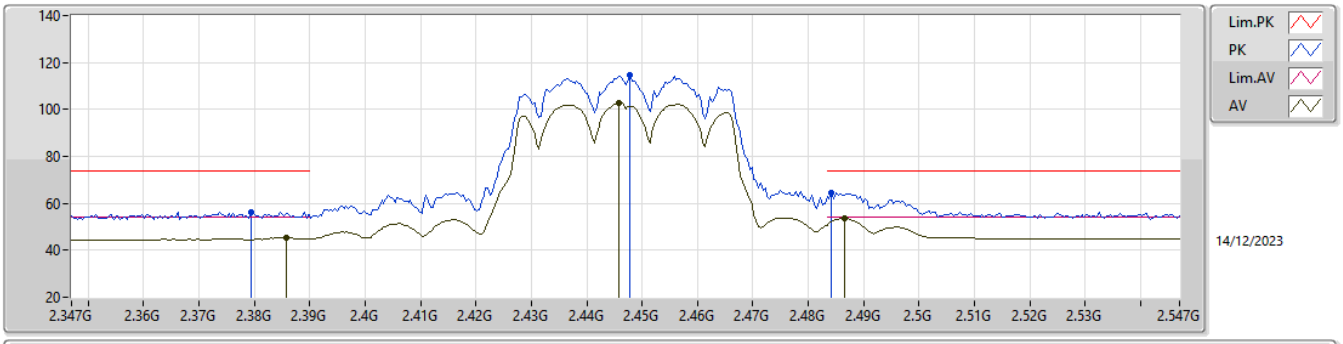
2437MHz_TX



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	4.88192G	27.60	54.00	-26.40	3.94	3	Horizontal	138	1.50	23.66	32.53	6.22	34.81
AV	7.301G	32.60	54.00	-21.40	9.57	3	Horizontal	202	1.50	23.03	36.70	7.79	34.92
PK	4.86384G	40.37	74.00	-33.63	3.85	3	Horizontal	138	1.50	36.52	32.46	6.20	34.81
PK	7.30684G	45.82	74.00	-28.18	9.54	3	Horizontal	202	1.50	36.28	36.67	7.79	34.92

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

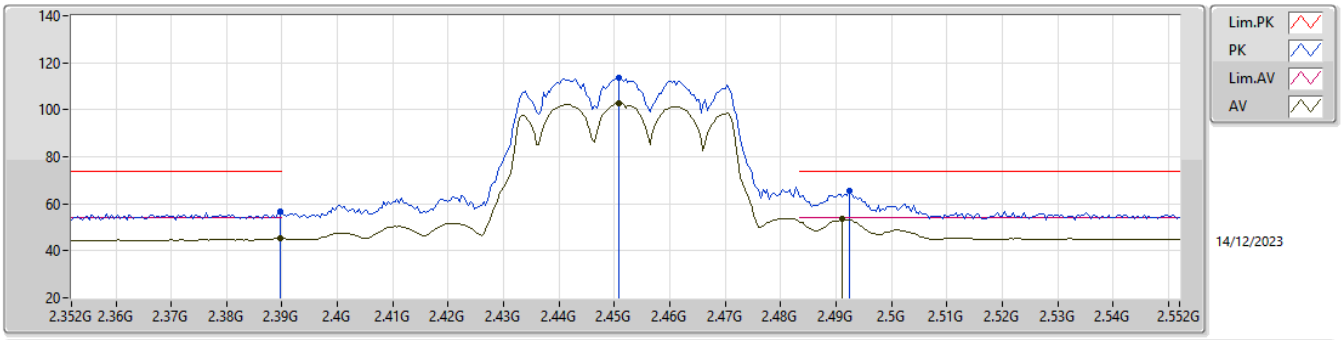
2447MHz_TX



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	2.3858G	45.44	54.00	-8.56	31.51	3	Vertical	25	1.85	13.93	27.26	4.25	-
AV	2.4458G	102.61	Inf	-Inf	31.69	3	Vertical	25	1.85	70.92	27.40	4.29	-
AV	2.4866G	53.52	54.00	-0.48	31.88	3	Vertical	25	1.85	21.64	27.57	4.31	-
PK	2.3794G	56.40	74.00	-17.60	31.43	3	Vertical	25	1.85	24.97	27.19	4.24	-
PK	2.4478G	114.45	Inf	-Inf	31.69	3	Vertical	25	1.85	82.76	27.40	4.29	-
PK	2.4842G	64.56	74.00	-9.44	31.85	3	Vertical	25	1.85	32.71	27.54	4.31	-

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

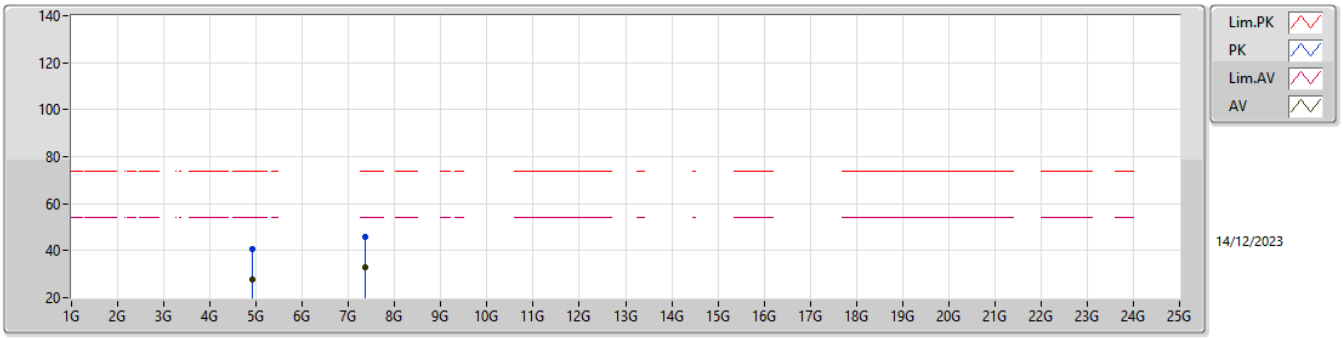
2452MHz_TX



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	2.3896G	45.22	54.00	-8.78	31.55	3	Vertical	24	1.81	13.67	27.30	4.25	-
AV	2.4508G	102.80	Inf	-Inf	31.69	3	Vertical	24	1.81	71.11	27.40	4.29	-
AV	2.4912G	53.42	54.00	-0.58	31.91	3	Vertical	24	1.81	21.51	27.60	4.31	-
PK	2.3896G	56.61	74.00	-17.39	31.55	3	Vertical	24	1.81	25.06	27.30	4.25	-
PK	2.4508G	113.39	Inf	-Inf	31.69	3	Vertical	24	1.81	81.70	27.40	4.29	-
PK	2.4924G	65.56	74.00	-8.44	31.92	3	Vertical	24	1.81	33.64	27.60	4.32	-

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

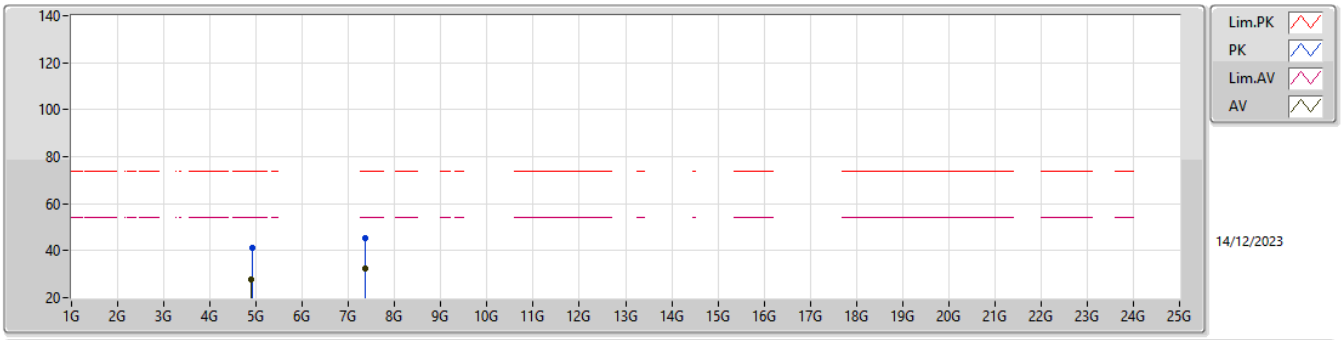
2452MHz_TX



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	4.90464G	27.83	54.00	-26.17	4.06	3	Vertical	249	1.50	23.77	32.63	6.23	34.80
AV	7.36544G	32.84	54.00	-21.16	9.28	3	Vertical	263	2.89	23.56	36.41	7.83	34.96
PK	4.92016G	40.82	74.00	-33.18	4.17	3	Vertical	249	1.50	36.65	32.72	6.24	34.79
PK	7.36416G	46.08	74.00	-27.92	9.29	3	Vertical	263	2.89	36.79	36.42	7.83	34.96

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

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	4.89872G	27.78	54.00	-26.22	4.02	3	Horizontal	48	1.50	23.76	32.59	6.23	34.80
AV	7.36552G	32.24	54.00	-21.76	9.28	3	Horizontal	311	1.09	22.96	36.41	7.83	34.96
PK	4.90824G	41.12	74.00	-32.88	4.09	3	Horizontal	48	1.50	37.03	32.65	6.24	34.80
PK	7.3624G	45.35	74.00	-28.65	9.31	3	Horizontal	311	1.09	36.04	36.43	7.83	34.95