FCC Radio Test Report

FCC ID	:	**TVE-512178E8741**
Equipment	:	**Secured Wireless Access Point**
Brand Name	:	**FORTINET**
Model Name	:	**FortiAP 441Kxxxxxx, FAP-441Kxxxxxx, FORTIAP-441Kxxxxxx (Where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)**
Applicant	:	**Fortinet, Inc. 899 Kifer Road, Sunnyvale, CA 94086, USA**
Manufacturer	:	**Fortinet, Inc. 899 Kifer Road, Sunnyvale, CA 94086, USA**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Jul. 11, 2023, and testing was started from Jul. 12, 2023 and completed on Oct. 06, 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 variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.

Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR370714-02AC	01	Initial issue of report	Apr. 12, 2024

Summary of Test Result

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

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

Reviewed by: Barry Hsiao

Report Producer: Ann Hou

1 General Description

1.1 Information

Radio 4 (Scan radio) is only RX function.

1.1.1 RF General Information

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

Non-Beamforming

Band	Mode	BWch	Nant
2.4-2.4835GHz	802.11b	20	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11ax HEW20	20	4TX
2.4-2.4835GHz	802.11ax HEW40	40	4TX

Beamforming

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11ax HEW20-BF	20	4TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	4TX

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	Radio
1	Senao	5718A0730300	PIFA	I-Pex	2.4G	Radio 1
					5G	Radio 2
2	Senao	5718A0731300	PIFA	I-Pex	2.4G	Radio 1
					5G	Radio 2
3	Senao	5718A0732300	PIFA	I-Pex	2.4G	Radio 1
					5G	Radio 2
4	Senao	5718A0733300	PIFA	I-Pex	2.4G	Radio 1
					5G	Radio 2
5	AWAN	7102A0657000	Alford Loop	I-Pex	6E	Radio 3
6	AWAN	7102A0659000	Alford Loop	I-Pex	6E	Radio 3
7	AWAN	7102A0660000	Alford Loop	I-Pex	6E	Radio 3
8	AWAN	7102A0658000	Alford Loop	I-Pex	6E	Radio 3
9	Senao	5718A0734300	PIFA	I-Pex	2.4G/5G/6E	Scan radio
10	Senao	5718A0735300	PIFA	I-Pex	2.4G/5G/6E	Scan radio
11	Senao	5718A0736300	PIFA	I-Pex	BT& Zigbee	-
12	Quectel	7102A0656000	Patch	I-Pex	GPS	-
13	Quectel	Y4SEN00A1EA	Patch	Reverse SMA	GPS	-

Ant.	Port	Gain (dBi)				
		2.4G	5G	6E	BT/Zigbee	GPS
1	1	2.95	5.28	-	-	-
2	2	3.38	2.9	-	-	-
3	3	2.05	6.22	-	-	-
4	4	2.18	4.55	-	-	-
5	1	-	-	4.26	-	-
6	2	-	-	5.89	-	-
7	3	-	-	5.27	-	-
8	4	-	-	4.86	-	-
9	1	1.76	5.11	4.41	-	-
10	2	1.17	2.91	4.43	-	-
11	1	-	-	-	4.5	-
12	1	-	-	-	-	-0.5
13	2	-	-	-	-	1.4

Composite Gain (dBi)										
	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	5.885G	6.175G	6.475G	6.695G	6.995G
DG [1SS]	6.91	5.35	5.46	6.04	7.23	7.22	9.32	8.48	8.63	8.56
DG [2SS]	3.91	4.2	4.7	4.49	6.22	5.92	6.32	5.48	5.63	5.89
DG [4SS]	3.38	4.2	4.7	4.49	6.22	5.92	5.24	4.19	4.64	5.89

Note 1: The EUT has thirteen antennas.
Note 2: The antenna 13 mentioned above will not be sold with the EUT in the market
Note 3: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP370714.

For 2.4GHz function:
For IEEE 802.11 b/g/n/VHT/ax mode (4TX/4RX)
Ant. 1 (port 1) , Ant. 2 (port 2) , Ant. 3 (port 3) and Ant. 4 (port 4) could transmit/receive simultaneously.
For IEEE 802.11 b/g/n/VHT/ax mode (2RX)
Ant. 9 (port 1) and Ant. 10 (port 2) could receive simultaneously.

For 5GHz function:
For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX)
Ant. 1 (port 1) , Ant. 2 (port 2) , Ant. 3 (port 3) and Ant. 4 (port 4) could transmit/receive simultaneously.
For IEEE 802.11 a/n/ac/ax/be mode (2RX)
Ant. 9 (port 1) and Ant. 10 (port 2) could receive simultaneously.

For 6GHz function:
For IEEE 802.11 ax/be mode (4TX/4RX)
Ant. 5 (port 1) , Ant. 6 (port 2) , Ant. 7 (port 3) and Ant. 8 (port 4) could transmit/receive simultaneously.
For IEEE 802.11ax/be mode (2RX)
Ant. 9 (port 1) and Ant. 10 (port 2) could receive simultaneously.

For BT function:
For IEEE 802.15.1 Bluetooth mode (1TX/1RX)
Ant. 11 (port 1) could transmit/receive.

For 802.15.4 function:
For IEEE 802.15.4 mode (1TX/1RX)
Ant. 11 (port 1) could transmit/receive.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point
Beamforming Function	☒	With beamforming	☐	Without beamforming
Resource Unit(802.11ax)	☒	Full RU	☐	Partial RU

Type of EUT		
☒	Stand-alone	
☐	Combined (EUT where the radio part is fully integrated within another device)	
	Combined Equipment - Brand Name / Model No.:	…
☐	Plug-in radio (EUT intended for a variety of host systems)	
	Host System - Brand Name / Model No.:	…
☐	Other:	

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_4TX	0.937	0.28	17.986m	100
802.11g_Nss1,(6Mbps)_4TX	0.938	0.28	1.978m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.762	1.18	5.445m	300
802.11ax HEW40_Nss1,(MCS0)_4TX	0.762	1.18	5.445m	300

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

Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.762	1.18	5.445m	300
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.762	1.18	5.445m	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	Description
FortiAP 441Kxxxxxx, FAP-441Kxxxxxx, FORTIAP-441Kxxxxxx (Where "x" can be used as "A-Z", or "0-9", or “-", or blank for software changes or marketing purposes only)	All the models are identical, the different model served as marketing strategy.

From the above models, model: FAP-441K was selected as representative model for the test and its data was recorded in this report.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR370714AC
Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Replace second source of capacitors (C177, C208, C215, C240). Adding L/C p6F/25V components (AC3488, AC3489, AC3490, AC3491, AC3492, AC3493, AC3494, CA3495)	The conducted power and Radiated Spurious Emission were evaluated, and the test result of original report was found to be the worst case scenario.

1.2 Testing Applied Standards

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

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

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

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

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua **(TAF:** 3785**)**	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		**FAX:** 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
AC Conduction	CO04-HY	Edward Wang	22.1~23.6°C / 53~58%	19/Sep/2023
RF Conducted	TH07-HY	Xun Hsieh	23.1~24.1°C / 52~58%	20/Jul/2023~15/Sep/2023
Radiated	03CH02-HY	Henry Ho	23.1~25.6°C / 52.1~55.4%	12/Jul/2023~08/Aug/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.				
☒ Wenhua 3rd. **(TAF:** 3785**)**	**ADD:** No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
Radiated(Co-location)	03CH25-HY	Lego Lin	23.1~24.2°C / 53.5~60.2%	04/Oct/2023~06/Oct/2023

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	qdart_conn.win.1.0_installer_00099

Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	20.5
2417MHz	20.5
2437MHz	23
2457MHz	22
2462MHz	23
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	22
2417MHz	23
2437MHz	23
2457MHz	23
2462MHz	22
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	21
2417MHz	23
2437MHz	23
2457MHz	23
2462MHz	22
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	18.5
2427MHz	20.5
2437MHz	21.5
2447MHz	20.5
2452MHz	21.5

Beamforming

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	21
2417MHz	22
2437MHz	22
2457MHz	22
2462MHz	22
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	18.5
2427MHz	20.5
2437MHz	21.5
2447MHz	20.5
2452MHz	21.5

2.2 The Worst Case Measurement Configuration

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

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Radio 1_2.4G+Radio 2_5G+Radio 3_6E+Bluetooth
2	Radio 1_2.4G+Radio 2_5G+Radio 3_6E+Zigbee
Refer to Sporton Test Report No.: FA370714 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
Bracket ceiling mount 1	**Brand Name**	DRAGONJET CORPORTION	**Model Name**	CLIP CEILING 9/16 LFP
Bracket ceiling mount 2	**Brand Name**	DRAGONJET CORPORTION	**Model Name**	CLIP CEILING 15/16 LFP

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

2.4 Support Equipment

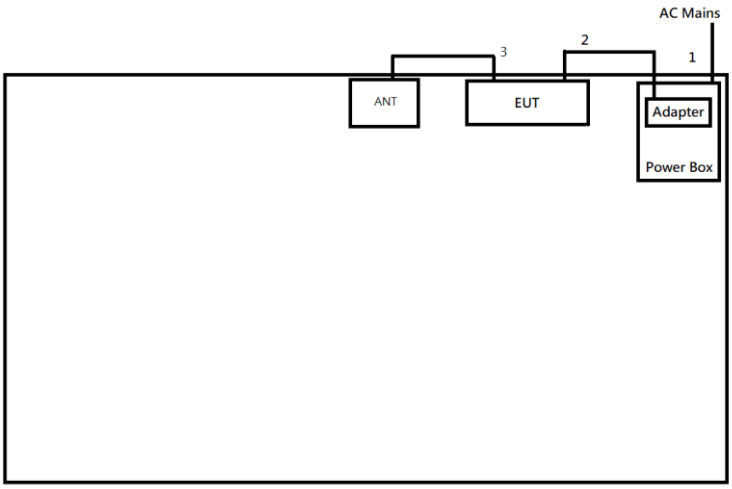
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

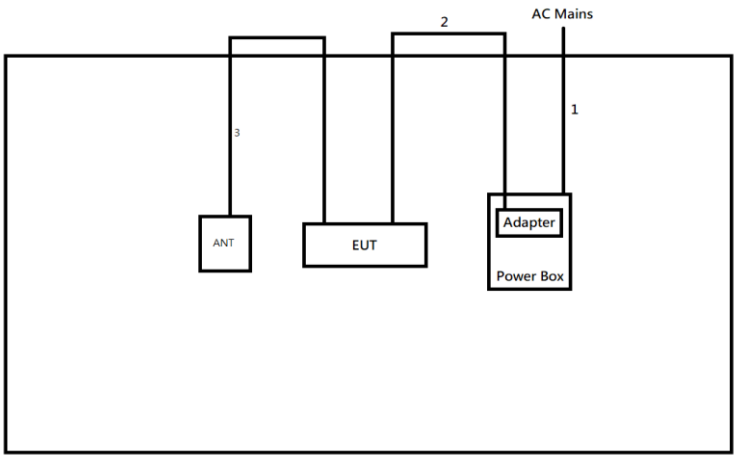
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)
1	AC Power cable	No	1.8
2	DC Power cable	No	1.5
3	ANT cable	No	3.0

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)
1	AC Power cable	No	1.8
2	DC Power cable	No	1.5
3	ANT cable	No	3.0

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

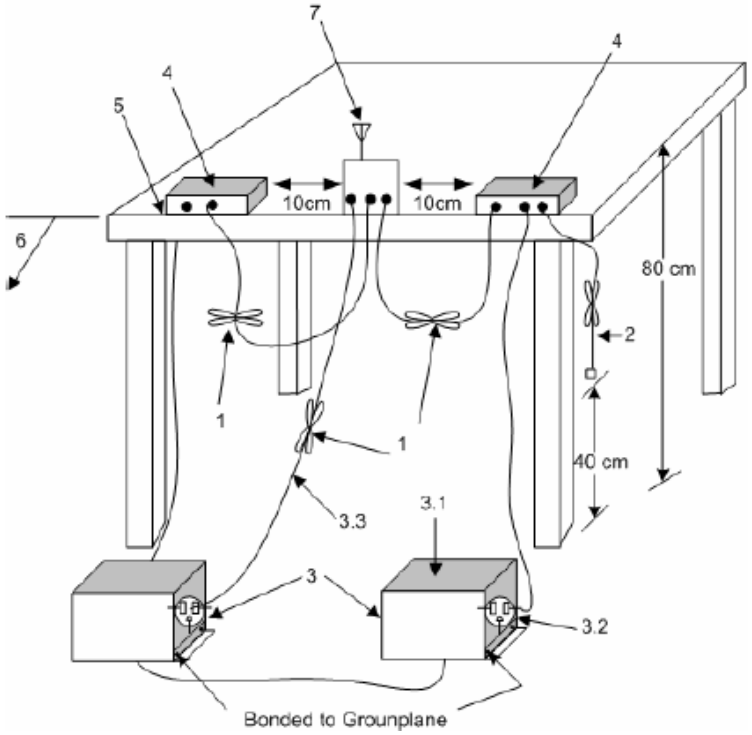
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) +LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup

AC Power-line Conducted Emissions



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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

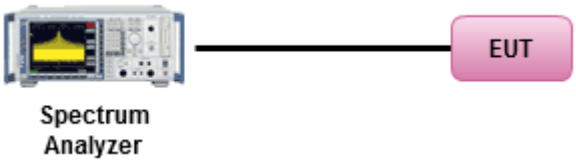
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
	☐ Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
	☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit			
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)		
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm		
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm		
	▪ Smart antenna system (SAS):		
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm	
e.i.r.p. Power Limit:			
▪ 2400-2483.5 MHz Band			
	▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)		
	▪ Point-to-point systems (P2P): $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX}])$ dBm		
	▪ Smart antenna system (SAS)		
		- Single beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm	
		- Overlap beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm	
		- Aggregate power on all beams: $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX} + 8])$ dBm	
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.			

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
	☐ Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
	☐ Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
▪ Maximum Average Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
	☒ Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

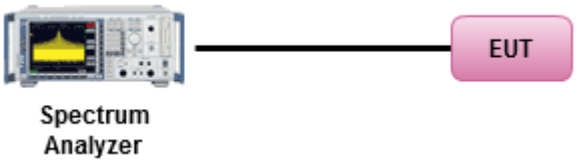
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).		
	☒ Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		▪ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

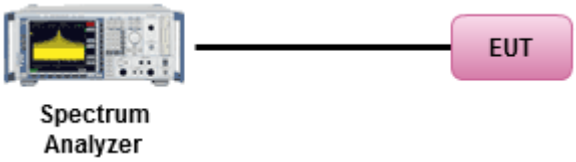
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

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

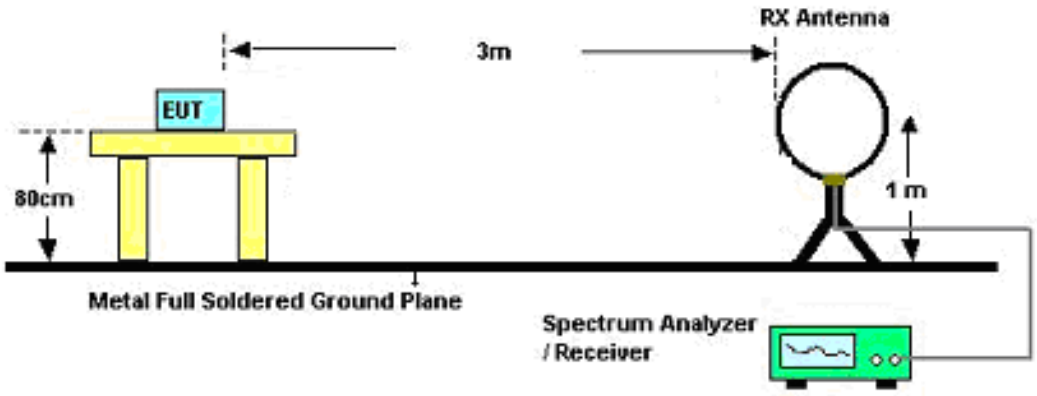
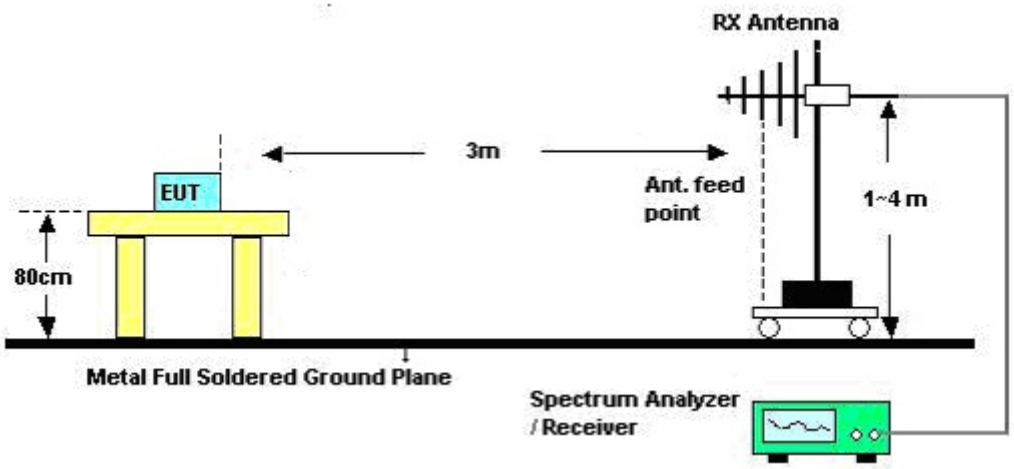
3.6.3 Test Procedures

Test Method	
▪	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
▪	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted emissions shall be measured using following options below:
	▪ Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
▪	For the transmitter band-edge emissions shall be measured using following options below:
	▪ Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
▪	Use the following spectrum analyzer settings:
	▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
▪	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
	▪ Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

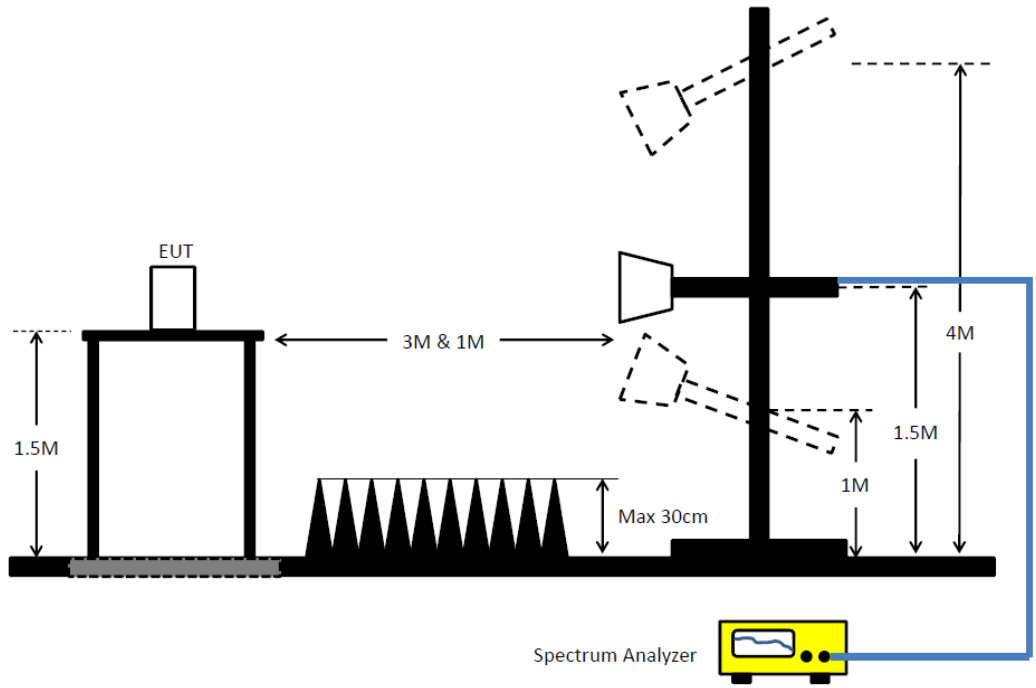
3.6.4 Measurement Results Calculation

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

3.6.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	16/May/2023	15/May/2024
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	07/Sep/2023	06/Sep/2024
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	28/Feb/2023	27/Feb/2024
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	25/Oct/2022	24/Oct/2023
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	9kHz~40GHz	14/Feb/2023	13/Feb/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	14/Dec/2022	13/Dec/2023
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	14/Dec/2022	13/Dec/2023
SENSE-15247_DTS	Sporton	V5.11.7	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	31/Jul/2022	30/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
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
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	25/Mar/2023	24/Mar/2024
Amplifier	Aglient	8447D	2944A11149	100kHz~1.3GHz	27/Jun/2023	26/Jun/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	27/Sep/2022	26/Sep/2023
Bilog Antenna & 6dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	9kHz~30MHz	20/Dec/2022	19/Dec/2023
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	30MHz~1GHz	20/Dec/2022	19/Dec/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	10/Feb/2023	09/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	26/May/2023	25/May/2024
SENSE-15247-DTS	Sporton	V5.11.6	NA	NA	NA	NA

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	09/Aug/2023	08/Aug/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	12/Jul/2023	11/Jul/2024
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz ~18GHz	25/May/2023	24/May/2024
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	24/Apr/2023	23/Apr/2024
Amplifier	EM	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/Aug/2023	20/Aug/2024
SENSE-EMI	V5.10.11	NA	NA	NA	NA	NA

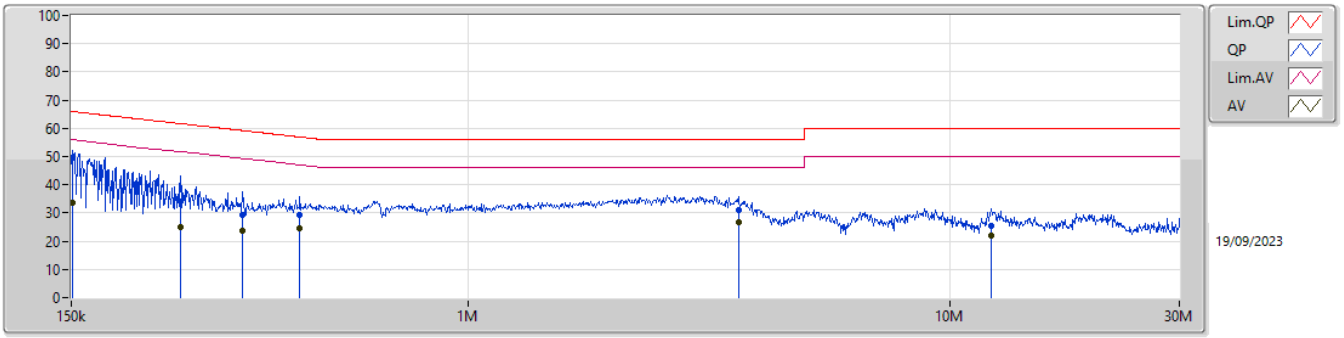
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	151.202k	49.53	65.92	-16.39	Line

Result

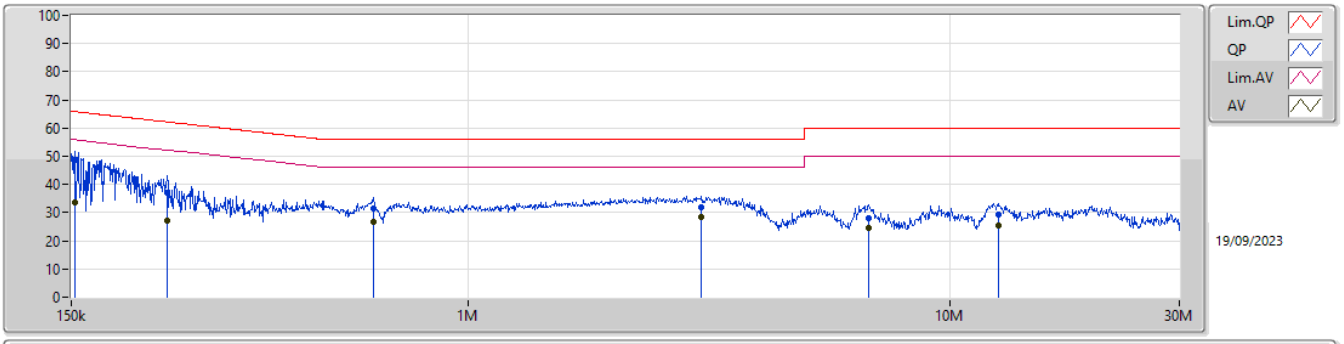
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	151.202k	49.53	65.92	-16.39	Line
Mode 1	Pass	AV	151.202k	33.59	55.92	-22.33	Line
Mode 1	Pass	QP	253.051k	34.21	61.66	-27.45	Line
Mode 1	Pass	AV	253.051k	24.88	51.66	-26.78	Line
Mode 1	Pass	QP	340.018k	29.26	59.19	-29.93	Line
Mode 1	Pass	AV	340.018k	23.65	49.19	-25.54	Line
Mode 1	Pass	QP	447.846k	29.35	56.92	-27.57	Line
Mode 1	Pass	AV	447.846k	24.78	46.92	-22.14	Line
Mode 1	Pass	QP	3.642M	30.86	56.00	-25.14	Line
Mode 1	Pass	AV	3.642M	26.57	46.00	-19.43	Line
Mode 1	Pass	QP	12.208M	25.22	60.00	-34.78	Line
Mode 1	Pass	AV	12.208M	21.82	50.00	-28.18	Line
Mode 1	Pass	QP	152.414k	48.57	65.87	-17.30	Neutral
Mode 1	Pass	AV	152.414k	33.43	55.87	-22.44	Neutral
Mode 1	Pass	QP	237.393k	36.96	62.20	-25.24	Neutral
Mode 1	Pass	AV	237.393k	27.05	52.20	-25.15	Neutral
Mode 1	Pass	QP	636.349k	31.26	56.00	-24.74	Neutral
Mode 1	Pass	AV	636.349k	26.83	46.00	-19.17	Neutral
Mode 1	Pass	QP	3.055M	32.03	56.00	-23.97	Neutral
Mode 1	Pass	AV	3.055M	28.40	46.00	-17.60	Neutral
Mode 1	Pass	QP	6.789M	28.05	60.00	-31.95	Neutral
Mode 1	Pass	AV	6.789M	24.72	50.00	-25.28	Neutral
Mode 1	Pass	QP	12.655M	29.35	60.00	-30.65	Neutral
Mode 1	Pass	AV	12.655M	25.47	50.00	-24.53	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	151.202k	49.53	65.92	-16.39	19.53	Line	-	30.00	9.57	0.03	9.93
AV	151.202k	33.59	55.92	-22.33	19.53	Line	-	14.06	9.57	0.03	9.93
QP	253.051k	34.21	61.66	-27.45	19.53	Line	-	14.68	9.56	0.03	9.94
AV	253.051k	24.88	51.66	-26.78	19.53	Line	-	5.35	9.56	0.03	9.94
QP	340.018k	29.26	59.19	-29.93	19.56	Line	-	9.70	9.57	0.04	9.95
AV	340.018k	23.65	49.19	-25.54	19.56	Line	-	4.09	9.57	0.04	9.95
QP	447.846k	29.35	56.92	-27.57	19.57	Line	-	9.78	9.57	0.04	9.96
AV	447.846k	24.78	46.92	-22.14	19.57	Line	-	5.21	9.57	0.04	9.96
QP	3.642M	30.86	56.00	-25.14	19.65	Line	-	11.21	9.60	0.12	9.93
AV	3.642M	26.57	46.00	-19.43	19.65	Line	-	6.92	9.60	0.12	9.93
QP	12.208M	25.22	60.00	-34.78	19.88	Line	-	5.34	9.71	0.21	9.96
AV	12.208M	21.82	50.00	-28.18	19.88	Line	-	1.94	9.71	0.21	9.96

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	152.414k	48.57	65.87	-17.30	19.58	Neutral	-	28.99	9.62	0.03	9.93
AV	152.414k	33.43	55.87	-22.44	19.58	Neutral	-	13.85	9.62	0.03	9.93
QP	237.393k	36.96	62.20	-25.24	19.59	Neutral	-	17.37	9.62	0.03	9.94
AV	237.393k	27.05	52.20	-25.15	19.59	Neutral	-	7.46	9.62	0.03	9.94
QP	636.349k	31.26	56.00	-24.74	19.62	Neutral	-	11.64	9.62	0.05	9.95
AV	636.349k	26.83	46.00	-19.17	19.62	Neutral	-	7.21	9.62	0.05	9.95
QP	3.055M	32.03	56.00	-23.97	19.69	Neutral	-	12.34	9.65	0.11	9.93
AV	3.055M	28.40	46.00	-17.60	19.69	Neutral	-	8.71	9.65	0.11	9.93
QP	6.789M	28.05	60.00	-31.95	19.86	Neutral	-	8.19	9.75	0.16	9.95
AV	6.789M	24.72	50.00	-25.28	19.86	Neutral	-	4.86	9.75	0.16	9.95
QP	12.655M	29.35	60.00	-30.65	20.03	Neutral	-	9.32	9.85	0.21	9.97
AV	12.655M	25.47	50.00	-24.53	20.03	Neutral	-	5.44	9.85	0.21	9.97

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)_4TX	8.025M	13.118M	13M1G1D	6.575M	12.594M
802.11g_Nss1,(6Mbps)_4TX	16.375M	16.602M	16M6D1D	14.025M	16.118M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.15M	19.115M	19M1D1D	16.975M	18.891M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.15M	37.881M	37M9D1D	31M	37.281M

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

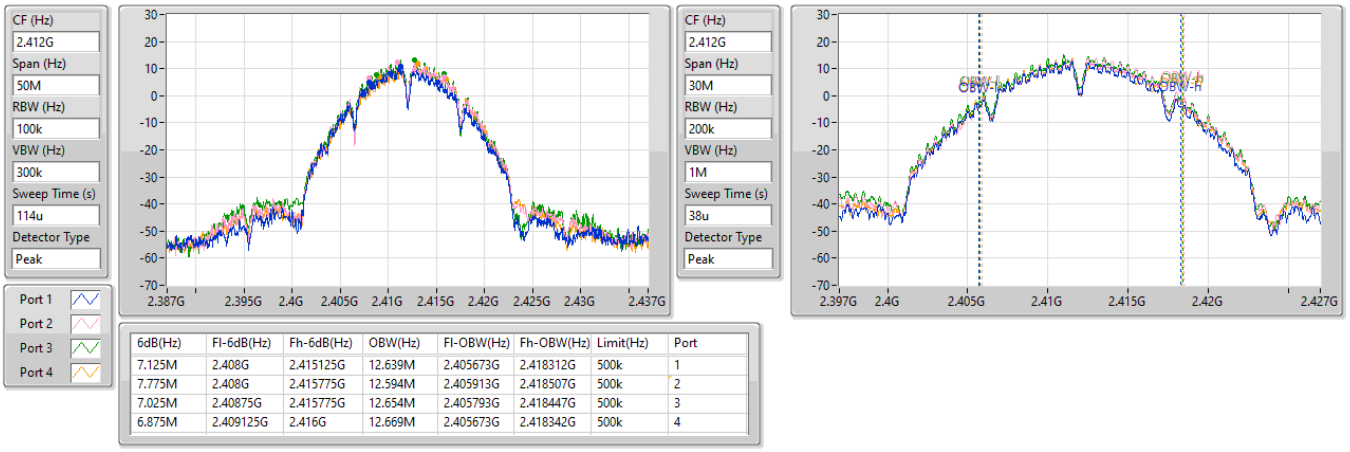
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.125M	12.639M	7.775M	12.594M	7.025M	12.654M	6.875M	12.669M
2437MHz	Pass	500k	8.025M	12.834M	7.55M	13.013M	7.1M	13.073M	6.575M	13.028M
2462MHz	Pass	500k	7.525M	12.969M	6.6M	12.954M	7.375M	13.118M	8.025M	12.939M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.05M	16.316M	16.175M	16.382M	14.025M	16.118M	16.325M	16.36M
2437MHz	Pass	500k	16.3M	16.382M	16.375M	16.58M	15.9M	16.25M	16.3M	16.602M
2462MHz	Pass	500k	16.35M	16.404M	16.375M	16.382M	15.8M	16.184M	16.025M	16.36M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.1M	18.916M	16.975M	18.891M	18.9M	18.916M	17.875M	18.941M
2437MHz	Pass	500k	19.15M	18.991M	19.05M	19.115M	19.125M	19.09M	19.025M	19.065M
2462MHz	Pass	500k	19.125M	19.04M	19.1M	19.065M	19.1M	19.015M	19.05M	18.916M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.95M	37.381M	37.5M	37.731M	38.05M	37.831M	35.1M	37.581M
2437MHz	Pass	500k	36.5M	37.281M	38.15M	37.781M	38.1M	37.881M	38.15M	37.781M
2452MHz	Pass	500k	36.3M	37.381M	31M	37.581M	37.9M	37.781M	37.4M	37.531M

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)_4TX **EBW**

2412MHz

08/08/2023

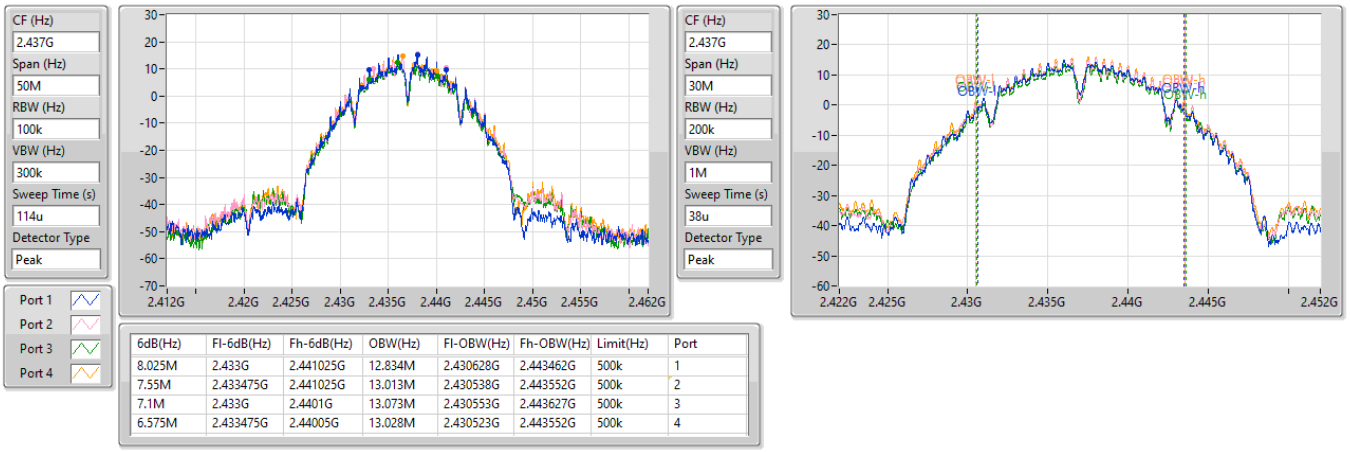


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.125M	2.408G	2.415125G	12.639M	2.405673G	2.418312G	500k	1
7.775M	2.408G	2.415775G	12.594M	2.405913G	2.418507G	500k	2
7.025M	2.40875G	2.415775G	12.654M	2.405793G	2.418447G	500k	3
6.875M	2.409125G	2.416G	12.669M	2.405673G	2.418342G	500k	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **EBW**

2437MHz

20/07/2023

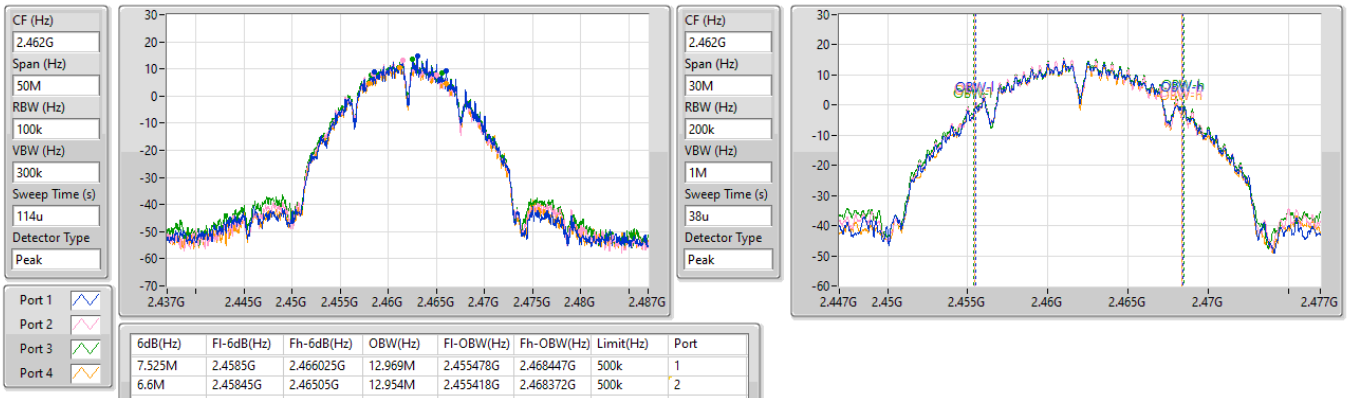


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.433G	2.441025G	12.834M	2.430628G	2.443462G	500k	1
7.55M	2.433475G	2.441025G	13.013M	2.430538G	2.443552G	500k	2
7.1M	2.433G	2.4401G	13.073M	2.430553G	2.443627G	500k	3
6.575M	2.433475G	2.44005G	13.028M	2.430523G	2.443552G	500k	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **EBW**

2462MHz

20/07/2023

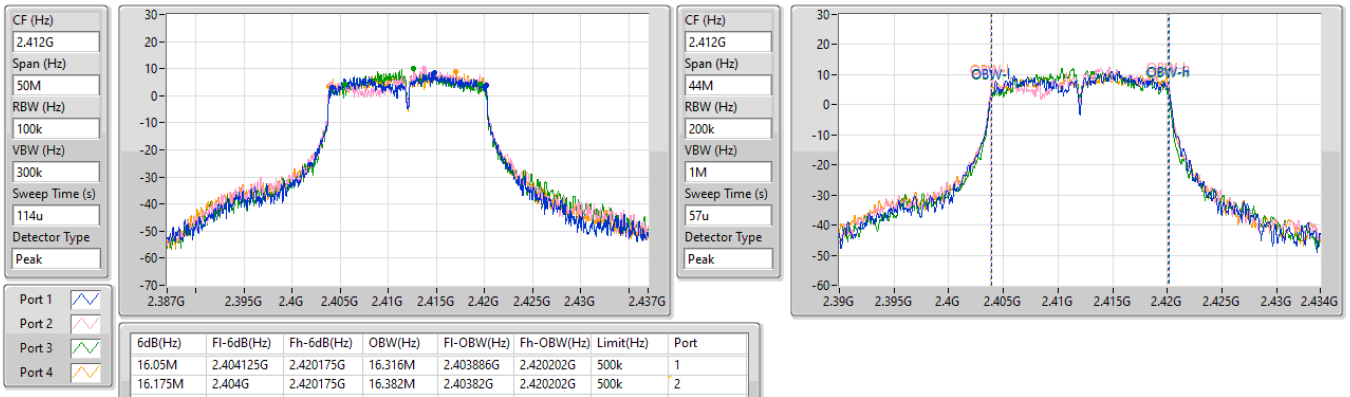


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.4585G	2.466025G	12.969M	2.455478G	2.468447G	500k	1
6.6M	2.45845G	2.46505G	12.954M	2.455418G	2.468372G	500k	2
7.375M	2.458175G	2.46555G	13.118M	2.455358G	2.468477G	500k	3
8.025M	2.458G	2.466025G	12.939M	2.455418G	2.468357G	500k	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **EBW**

2412MHz

28/07/2023

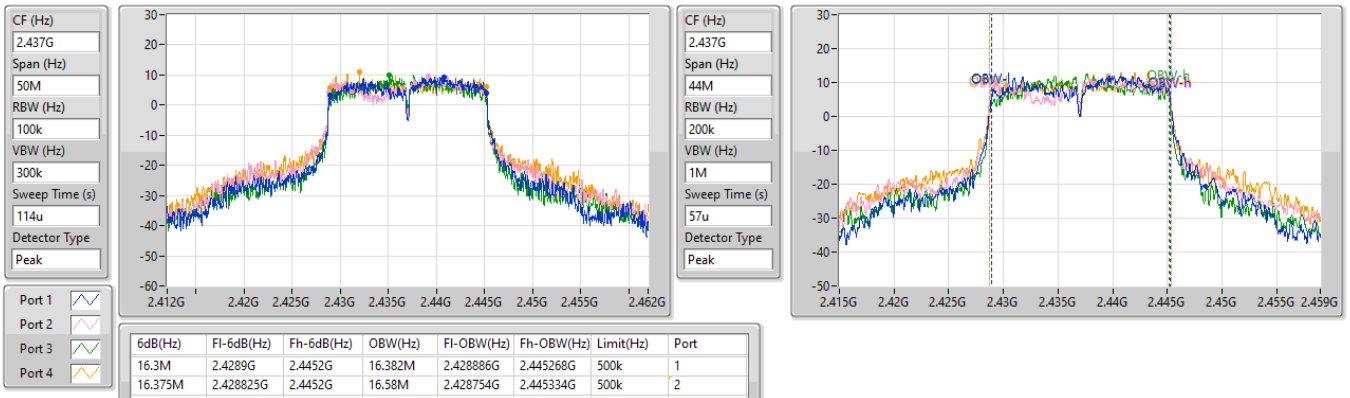


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	2.404125G	2.420175G	16.316M	2.403886G	2.420202G	500k	1
16.175M	2.404G	2.420175G	16.382M	2.40382G	2.420202G	500k	2
14.025M	2.4055G	2.419525G	16.118M	2.403952G	2.42007G	500k	3
16.325M	2.40385G	2.420175G	16.36M	2.403842G	2.420202G	500k	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **EBW**

2437MHz

28/07/2023

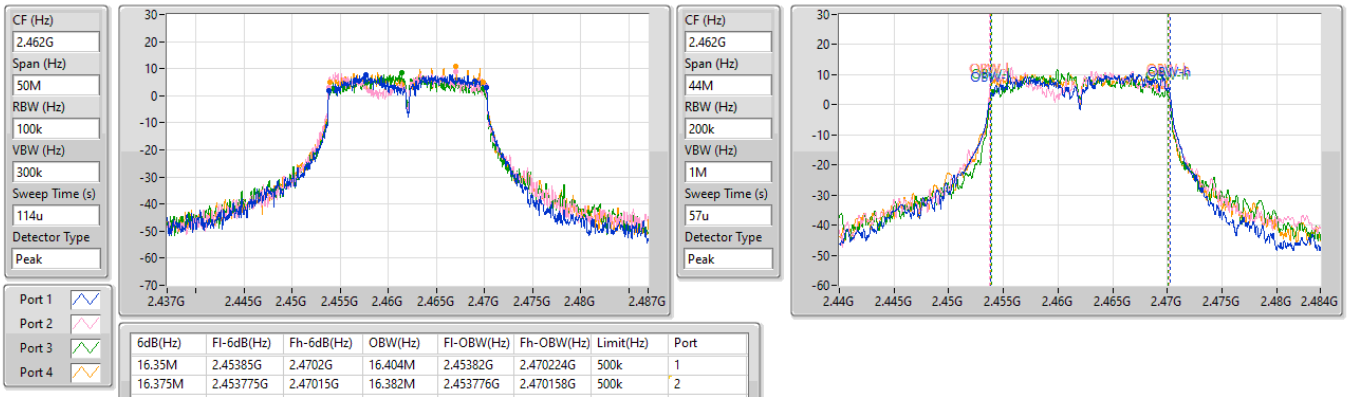


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.4289G	2.4452G	16.382M	2.428886G	2.445268G	500k	1
16.375M	2.428825G	2.4452G	16.58M	2.428754G	2.445334G	500k	2
15.9M	2.42925G	2.44515G	16.25M	2.428908G	2.445158G	500k	3
16.3M	2.428875G	2.445175G	16.602M	2.428732G	2.445334G	500k	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **EBW**

2462MHz

28/07/2023

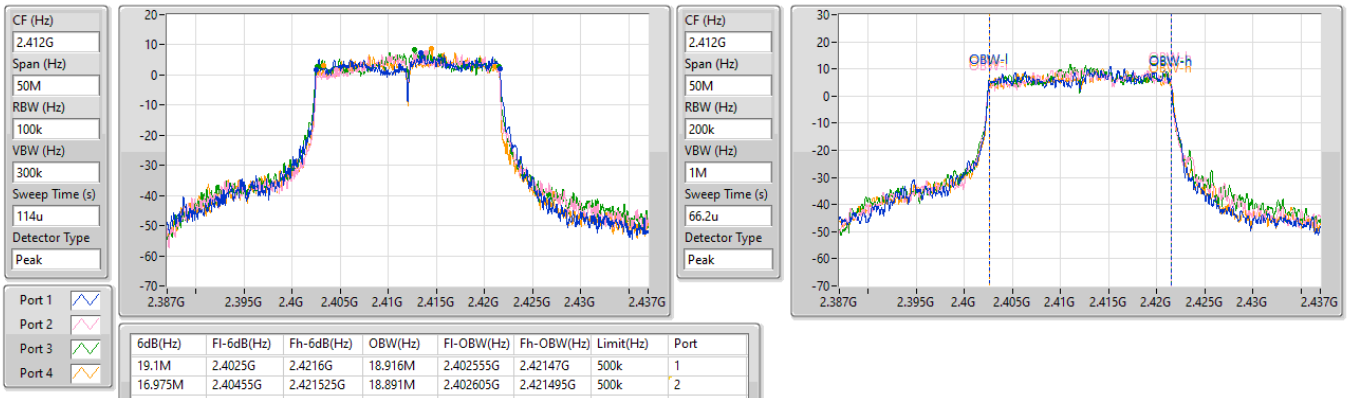


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.45385G	2.4702G	16.404M	2.45382G	2.470224G	500k	1
16.375M	2.453775G	2.47015G	16.382M	2.453776G	2.470158G	500k	2
15.8M	2.4541G	2.4699G	16.184M	2.453908G	2.470092G	500k	3
16.025M	2.453875G	2.4699G	16.36M	2.453798G	2.470158G	500k	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

2412MHz

20/07/2023

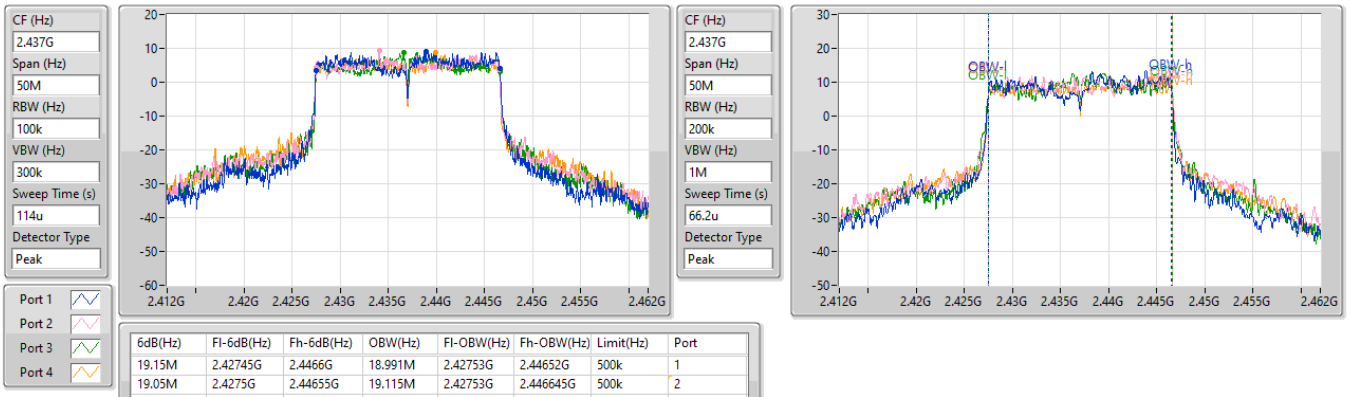


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.1M	2.4025G	2.4216G	18.916M	2.402555G	2.42147G	500k	1
16.975M	2.40455G	2.421525G	18.891M	2.402605G	2.421495G	500k	2
18.9M	2.4026G	2.4215G	18.916M	2.402555G	2.42147G	500k	3
17.875M	2.403225G	2.4211G	18.941M	2.40258G	2.42152G	500k	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

2437MHz

20/07/2023

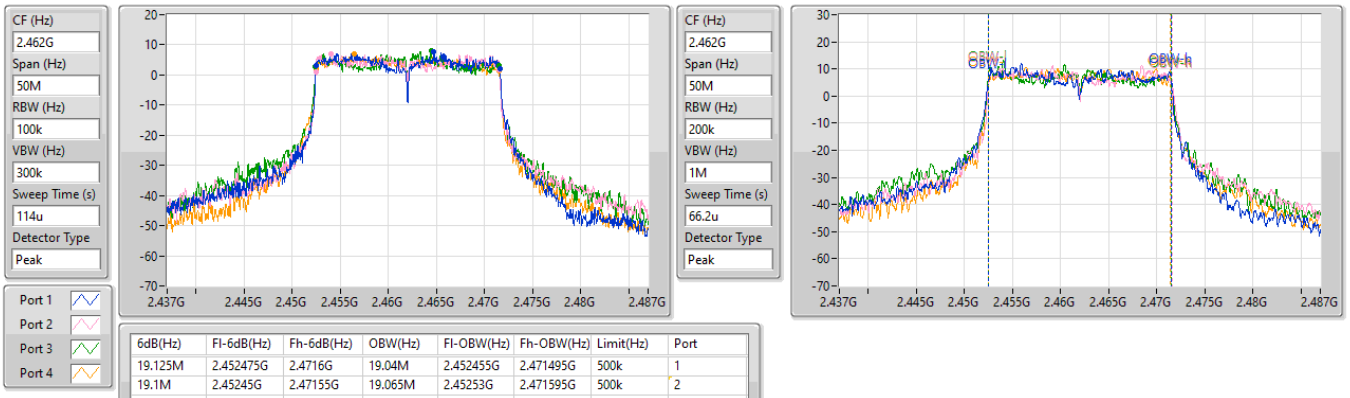


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.15M	2.42745G	2.4466G	18.991M	2.42753G	2.44652G	500k	1
19.05M	2.4275G	2.44655G	19.115M	2.42753G	2.446645G	500k	2
19.125M	2.427475G	2.4466G	19.09M	2.42748G	2.44657G	500k	3
19.025M	2.4275G	2.446525G	19.065M	2.427505G	2.44657G	500k	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

2462MHz

20/07/2023

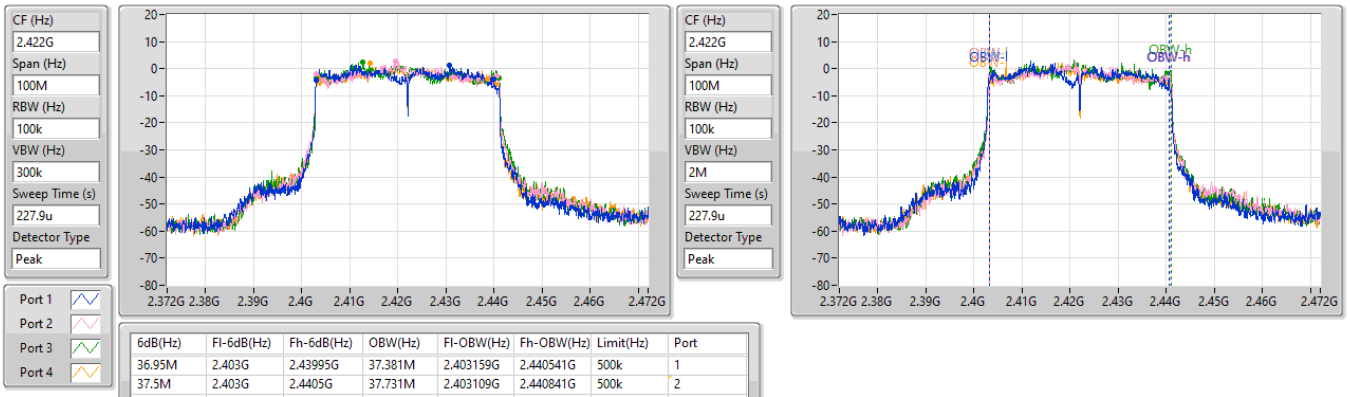


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.125M	2.452475G	2.4716G	19.04M	2.452455G	2.471495G	500k	1
19.1M	2.45245G	2.47155G	19.065M	2.45253G	2.471595G	500k	2
19.1M	2.452425G	2.471525G	19.015M	2.45248G	2.471495G	500k	3
19.05M	2.45245G	2.4715G	18.916M	2.45253G	2.471445G	500k	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

2422MHz

20/07/2023

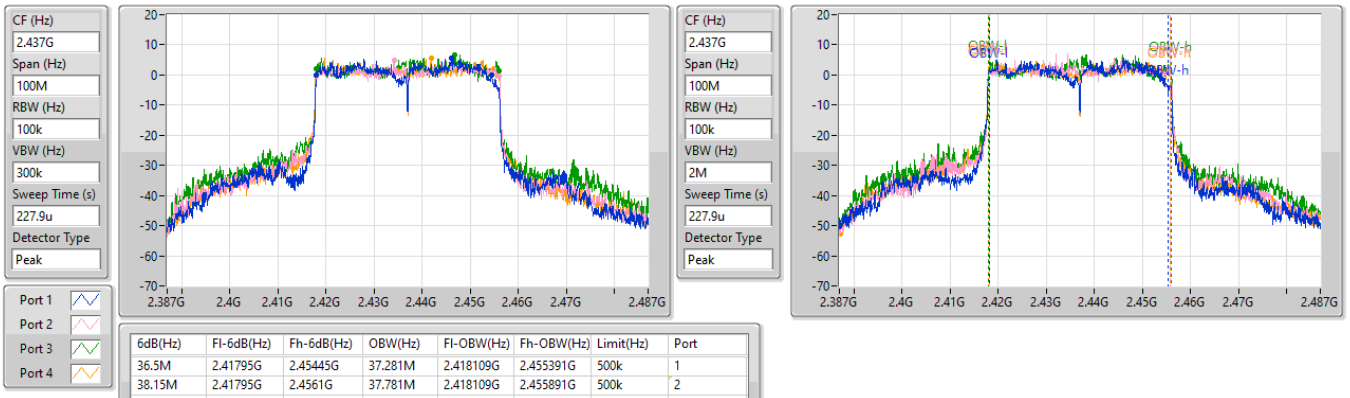


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.95M	2.403G	2.43995G	37.381M	2.403159G	2.440541G	500k	1
37.5M	2.403G	2.4405G	37.731M	2.403109G	2.440841G	500k	2
38.05M	2.403G	2.44105G	37.831M	2.403109G	2.440941G	500k	3
35.1M	2.4034G	2.4385G	37.581M	2.403159G	2.440741G	500k	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

2437MHz

20/07/2023

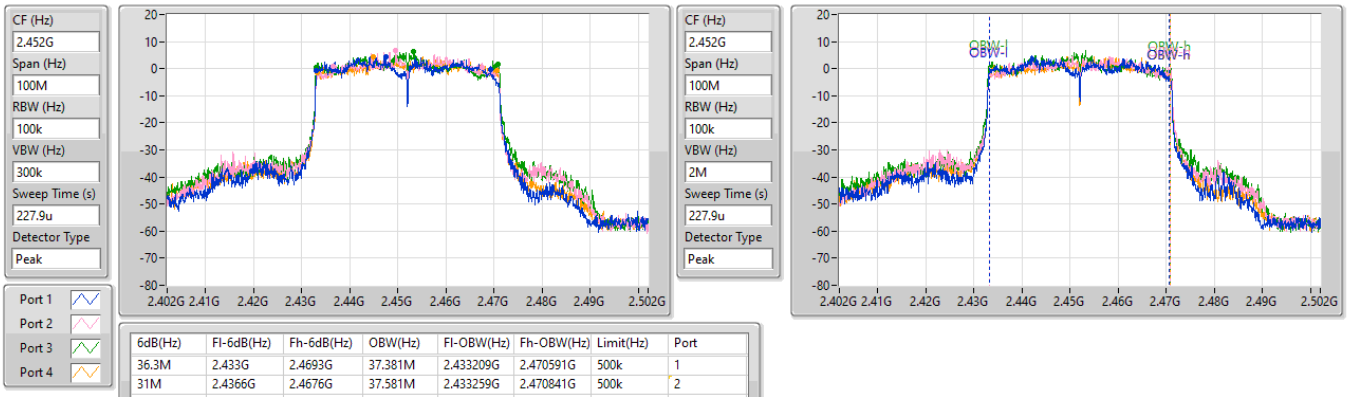


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.5M	2.41795G	2.45445G	37.281M	2.418109G	2.455391G	500k	1
38.15M	2.41795G	2.4561G	37.781M	2.418109G	2.455891G	500k	2
38.1M	2.41795G	2.45605G	37.881M	2.418059G	2.455941G	500k	3
38.15M	2.4179G	2.45605G	37.781M	2.418059G	2.455841G	500k	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

2452MHz

20/07/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.433G	2.4693G	37.381M	2.433209G	2.470591G	500k	1
31M	2.4366G	2.4676G	37.581M	2.433259G	2.470841G	500k	2
37.9M	2.433G	2.4709G	37.781M	2.433109G	2.470891G	500k	3
37.4M	2.4331G	2.4705G	37.531M	2.433259G	2.470791G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.16	0.82414
802.11g_Nss1,(6Mbps)_4TX	29.30	0.85114
802.11ax HEW20_Nss1,(MCS0)_4TX	29.42	0.87498
802.11ax HEW40_Nss1,(MCS0)_4TX	28.48	0.70469

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.38	20.41	21.40	22.70	21.70	27.65	30.00
2417MHz	Pass	3.38	20.51	21.91	22.77	21.90	27.87	30.00
2437MHz	Pass	3.38	23.28	23.27	22.32	23.60	29.16	30.00
2457MHz	Pass	3.38	21.84	22.90	23.13	23.33	28.86	30.00
2462MHz	Pass	3.38	22.62	22.89	23.18	22.17	28.75	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.38	21.89	22.47	22.40	22.25	28.28	30.00
2417MHz	Pass	3.38	22.95	23.36	23.35	23.44	29.30	30.00
2437MHz	Pass	3.38	23.34	22.88	23.00	23.23	29.14	30.00
2457MHz	Pass	3.38	22.73	23.08	22.91	23.46	29.07	30.00
2462MHz	Pass	3.38	21.98	21.92	21.71	22.31	28.01	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.38	21.26	21.35	21.76	21.12	27.40	30.00
2417MHz	Pass	3.38	23.27	22.96	23.64	23.27	29.31	30.00
2437MHz	Pass	3.38	23.74	23.24	23.53	23.06	29.42	30.00
2457MHz	Pass	3.38	23.15	23.37	23.26	23.24	29.28	30.00
2462MHz	Pass	3.38	22.39	22.40	22.08	22.11	28.27	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.38	18.61	18.69	19.08	18.50	24.75	30.00
2427MHz	Pass	3.38	20.71	20.65	21.35	20.82	26.91	30.00
2437MHz	Pass	3.38	22.28	22.34	22.85	22.35	28.48	30.00
2447MHz	Pass	3.38	20.70	20.78	21.45	20.74	26.95	30.00
2452MHz	Pass	3.38	21.36	21.61	22.12	21.09	27.58	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	28.29	0.67453
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	28.34	0.68234

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.91	21.12	21.23	21.66	20.97	27.27	29.09
2417MHz	Pass	6.91	22.13	21.82	22.53	22.12	28.18	29.09
2437MHz	Pass	6.91	22.62	22.11	22.39	21.93	28.29	29.09
2457MHz	Pass	6.91	22.01	22.23	22.16	22.09	28.14	29.09
2462MHz	Pass	6.91	22.27	22.29	21.98	21.98	28.15	29.09
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.91	18.46	18.58	18.96	18.35	24.61	29.09
2427MHz	Pass	6.91	20.61	20.54	21.21	20.68	26.79	29.09
2437MHz	Pass	6.91	22.13	22.19	22.71	22.23	28.34	29.09
2447MHz	Pass	6.91	20.60	20.65	21.34	20.64	26.84	29.09
2452MHz	Pass	6.91	21.21	21.49	22.02	20.98	27.46	29.09

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	4.24
802.11g_Nss1,(6Mbps)_4TX	0.51
802.11ax HEW20_Nss1,(MCS0)_4TX	0.09
802.11ax HEW40_Nss1,(MCS0)_4TX	-3.39

RBW = 3kHz;

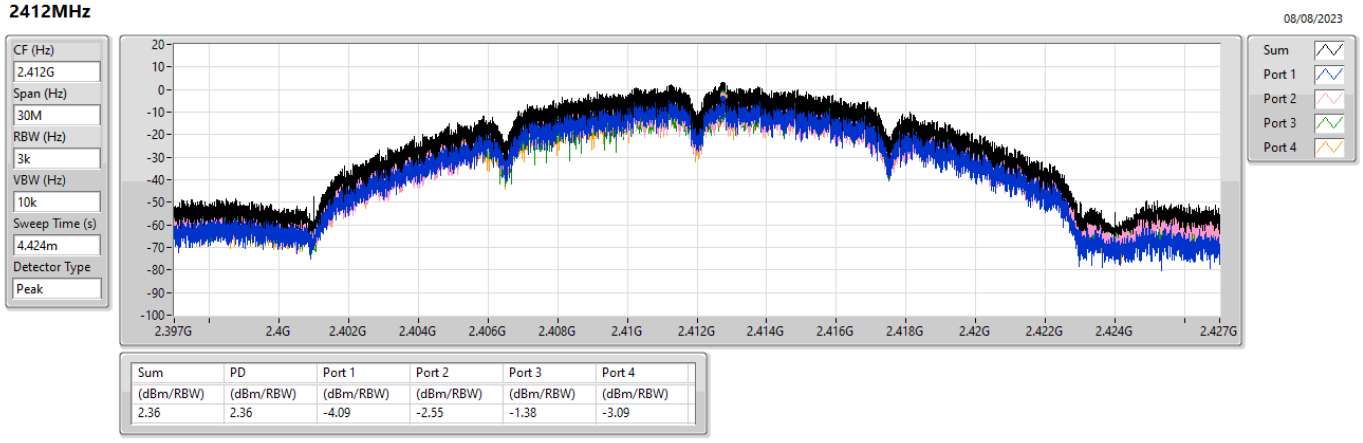
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.91	-4.09	-2.55	-1.38	-3.09	2.36	7.09
2437MHz	Pass	6.91	0.81	-0.21	-2.51	0.75	4.24	7.09
2462MHz	Pass	6.91	-1.58	-0.89	-0.63	-2.11	4.20	7.09
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.91	-4.01	-4.06	-4.22	-6.27	-0.21	7.09
2437MHz	Pass	6.91	-3.42	-4.63	-4.44	-4.82	0.51	7.09
2462MHz	Pass	6.91	-5.69	-5.24	-6.22	-6.54	-1.09	7.09
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.91	-4.86	-4.99	-3.70	-5.01	-1.78	7.09
2437MHz	Pass	6.91	-3.01	-3.13	-2.32	-4.06	0.09	7.09
2462MHz	Pass	6.91	-4.96	-4.22	-3.74	-3.81	-2.05	7.09
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.91	-10.46	-9.85	-9.62	-10.12	-7.26	7.09
2437MHz	Pass	6.91	-6.55	-6.83	-6.50	-6.43	-3.39	7.09
2452MHz	Pass	6.91	-7.12	-8.36	-6.92	-7.45	-4.33	7.09

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)_4TX **PSD**

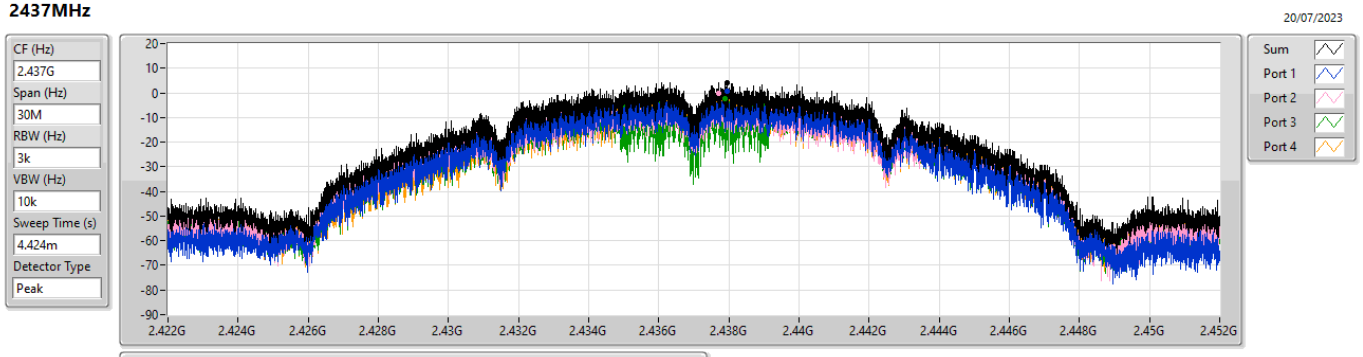
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.36	2.36	-4.09	-2.55	-1.38	-3.09

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **PSD**

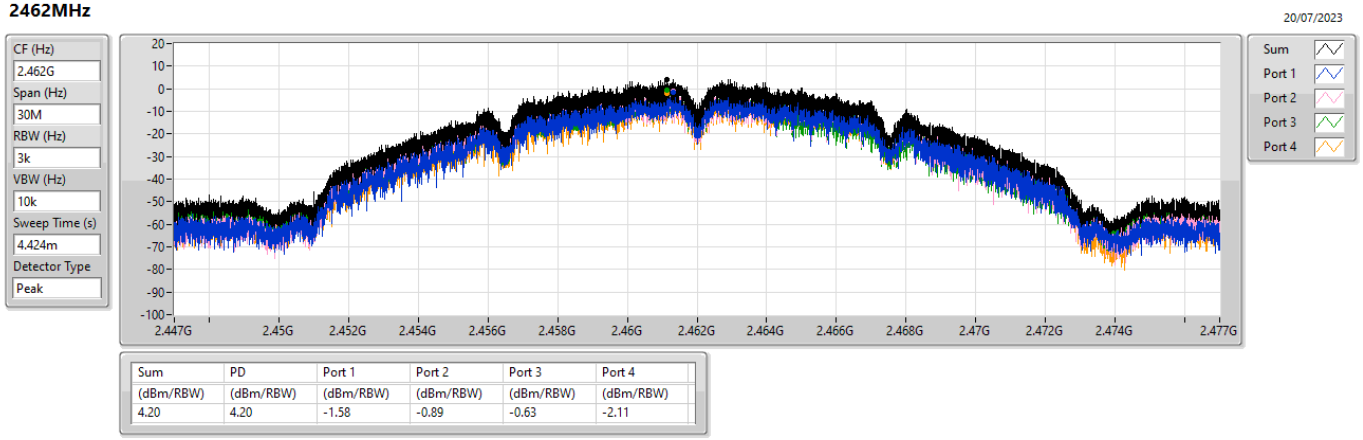
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.24	4.24	0.81	-0.21	-2.51	0.75

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **PSD**

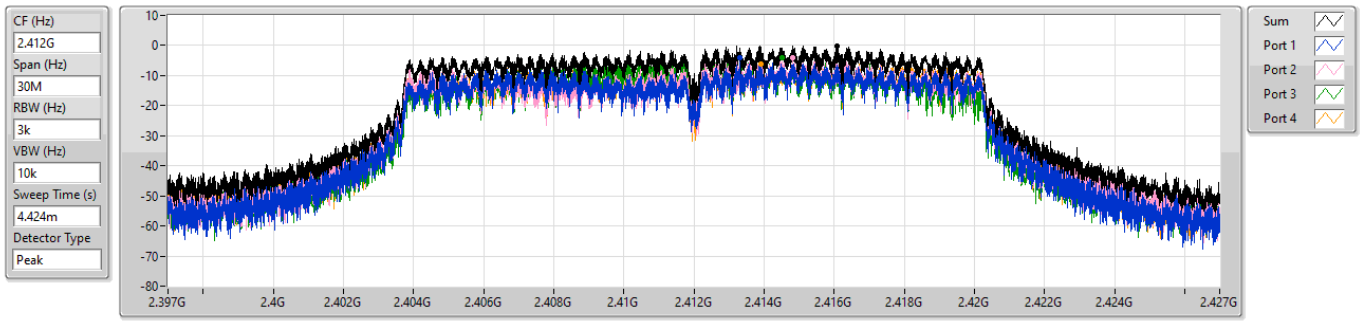
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.20	4.20	-1.58	-0.89	-0.63	-2.11

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **PSD**

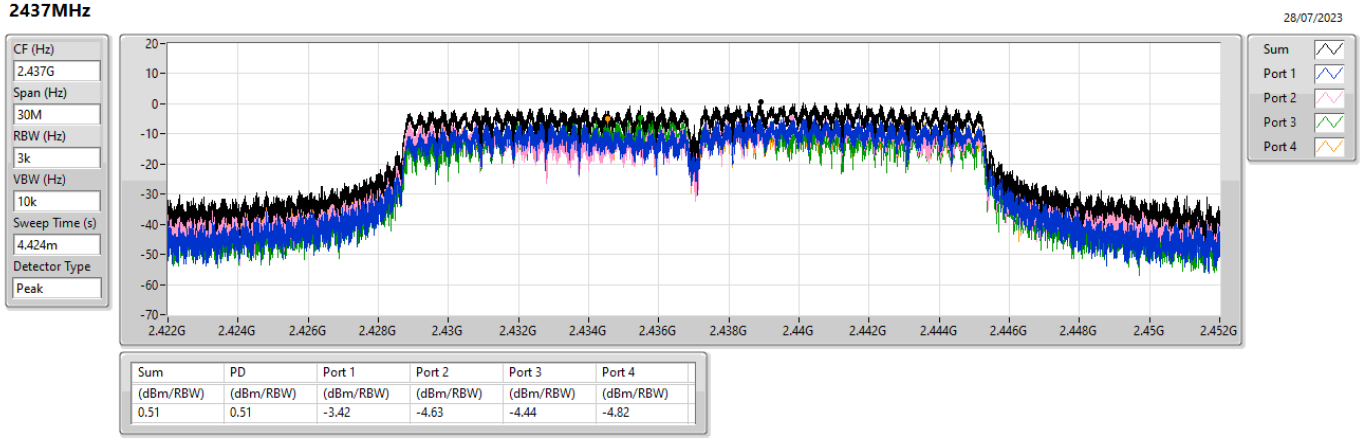
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.21	-0.21	-4.01	-4.06	-4.22	-6.27

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **PSD**

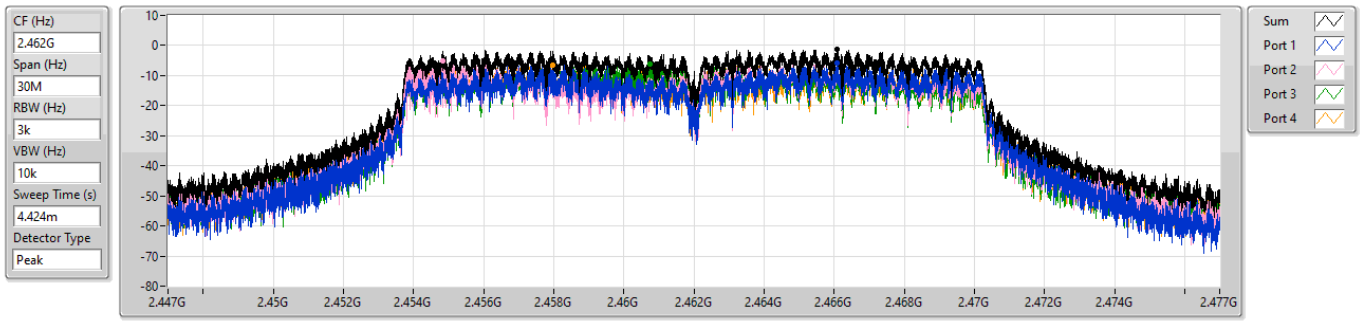
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.51	0.51	-3.42	-4.63	-4.44	-4.82

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **PSD**

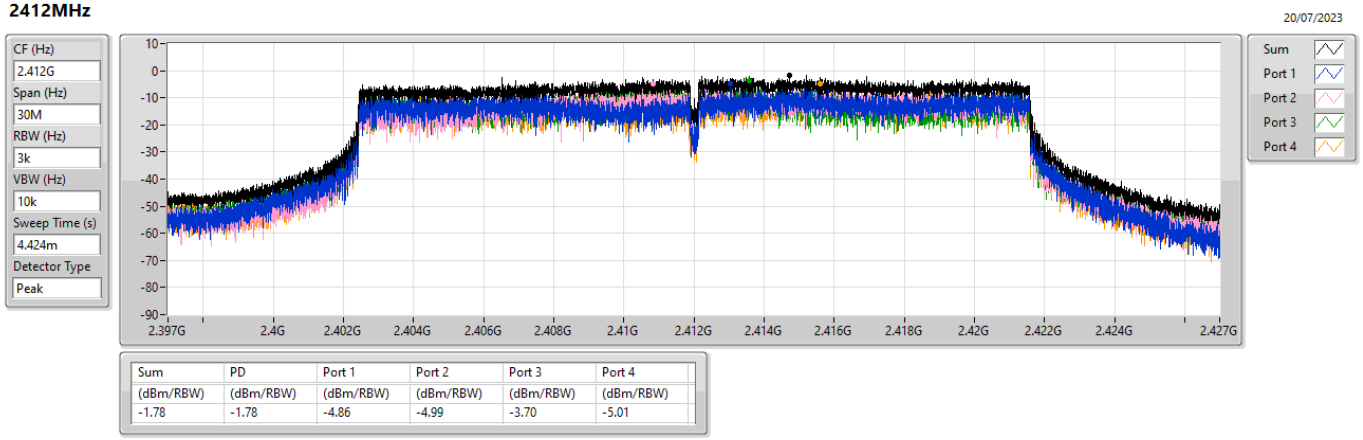
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.09	-1.09	-5.69	-5.24	-6.22	-6.54

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

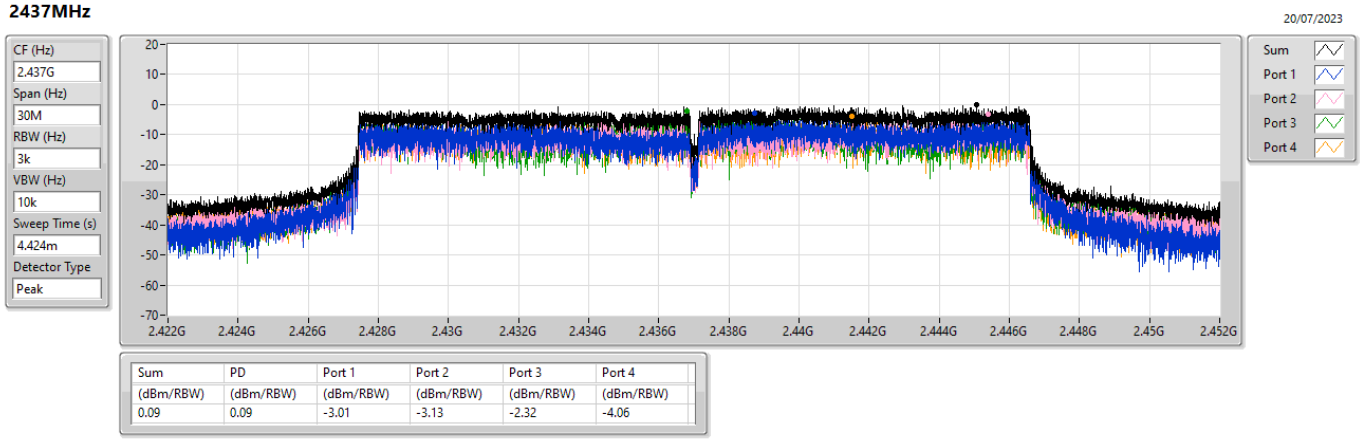
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.78	-1.78	-4.86	-4.99	-3.70	-5.01

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

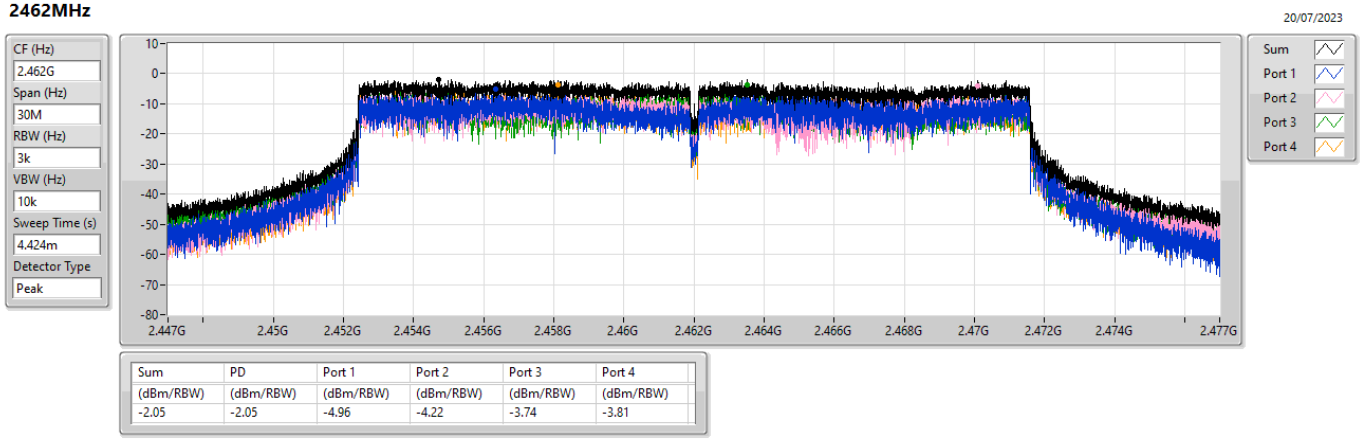
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.09	0.09	-3.01	-3.13	-2.32	-4.06

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

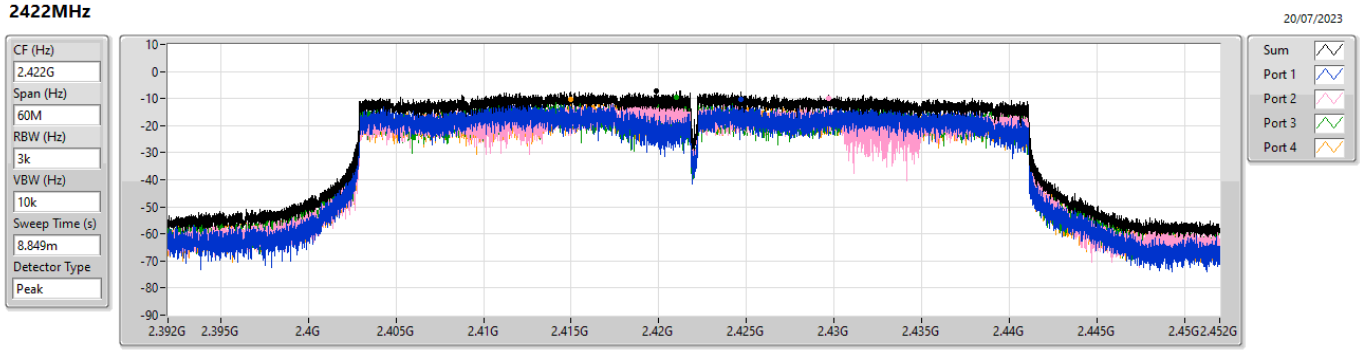
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.05	-2.05	-4.96	-4.22	-3.74	-3.81

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

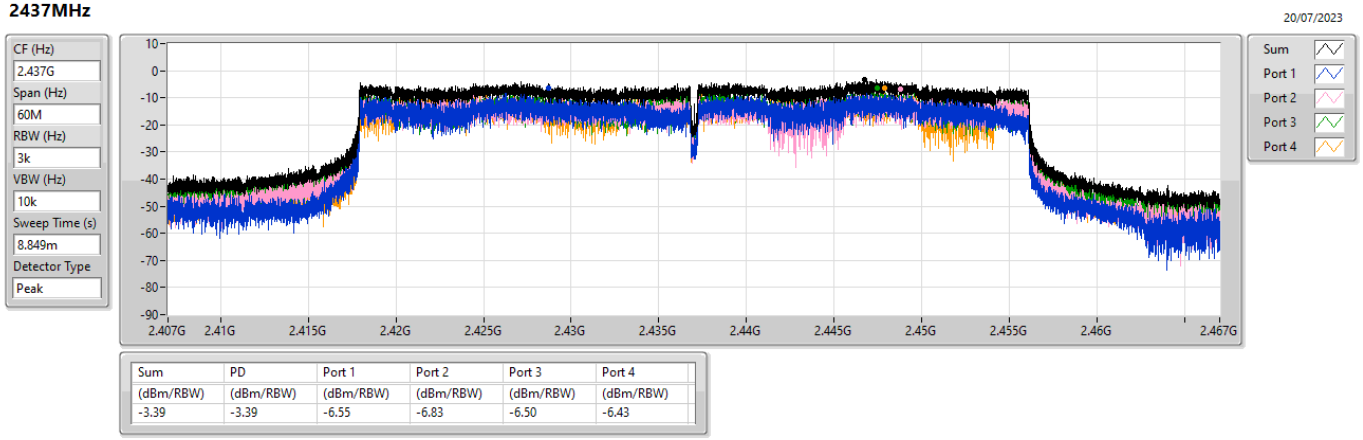
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.26	-7.26	-10.46	-9.85	-9.62	-10.12

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

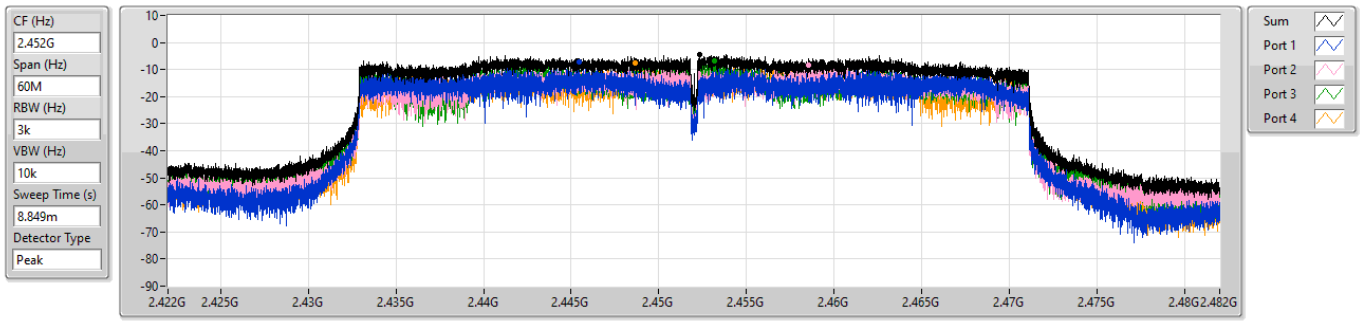
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.39	-3.39	-6.55	-6.83	-6.50	-6.43

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.33	-4.33	-7.12	-8.36	-6.92	-7.45

Summary

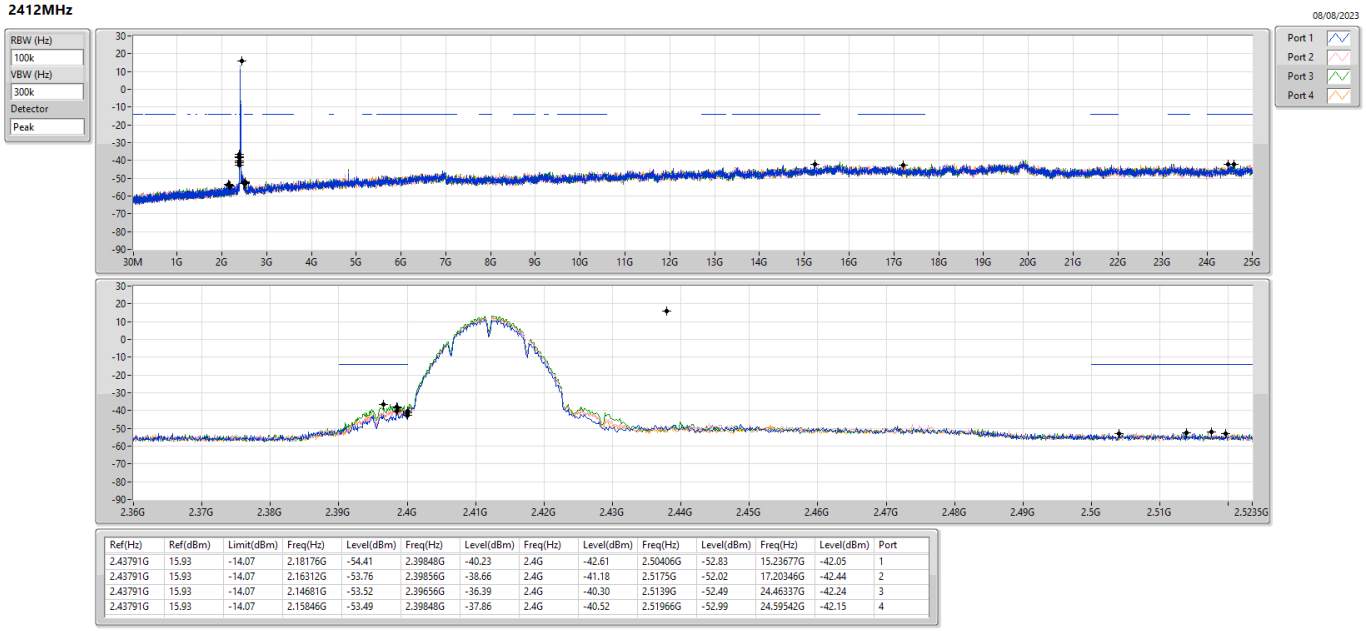
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.43791G	15.93	-14.07	2.14681G	-53.52	2.39656G	-36.39	2.4G	-40.30	2.5139G	-52.49	24.46337G	-42.24	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.44192G	12.64	-17.36	1.95691G	-54.44	2.4G	-27.21	2.4G	-27.20	2.52342G	-53.08	16.8916G	-41.79	4
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.43206G	12.61	-17.39	2.1037G	-53.51	2.39984G	-27.55	2.4G	-27.10	2.5223G	-52.32	16.55165G	-42.04	1
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.44075G	8.27	-21.73	1.96276G	-54.16	2.39616G	-28.22	2.4G	-29.13	2.5003G	-52.43	16.78824G	-42.43	3

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)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43791G	15.93	-14.07	2.18176G	-54.41	2.39848G	-40.23	2.4G	-42.61	2.50406G	-52.83	15.23677G	-42.05	1
2412MHz	Pass	2.43791G	15.93	-14.07	2.16312G	-53.76	2.39856G	-38.66	2.4G	-41.18	2.5175G	-52.02	17.20346G	-42.44	2
2412MHz	Pass	2.43791G	15.93	-14.07	2.14681G	-53.52	2.39656G	-36.39	2.4G	-40.30	2.5139G	-52.49	24.46337G	-42.24	3
2412MHz	Pass	2.43791G	15.93	-14.07	2.15846G	-53.49	2.39848G	-37.86	2.4G	-40.52	2.51966G	-52.99	24.59542G	-42.15	4
2437MHz	Pass	2.43791G	15.93	-14.07	2.11768G	-54.95	2.39632G	-45.89	2.4G	-48.58	2.51462G	-52.62	23.39574G	-42.62	1
2437MHz	Pass	2.43791G	15.93	-14.07	2.08273G	-54.73	2.39104G	-48.68	2.4G	-50.20	2.50222G	-52.70	17.01241G	-41.08	2
2437MHz	Pass	2.43791G	15.93	-14.07	2.18176G	-54.52	2.39832G	-48.91	2.4G	-47.27	2.5003G	-51.98	23.18783G	-42.03	3
2437MHz	Pass	2.43791G	15.93	-14.07	2.1771G	-54.34	2.39456G	-48.22	2.4G	-48.50	2.52278G	-52.88	16.55446G	-42.02	4
2462MHz	Pass	2.43791G	15.93	-14.07	2.08506G	-54.30	2.39304G	-49.45	2.4G	-49.65	2.51398G	-52.86	16.87475G	-41.56	1
2462MHz	Pass	2.43791G	15.93	-14.07	1.97206G	-54.83	2.39608G	-49.89	2.4G	-51.67	2.50518G	-51.92	16.9506G	-41.45	2
2462MHz	Pass	2.43791G	15.93	-14.07	1.93361G	-54.54	2.396G	-47.60	2.4G	-48.57	2.50262G	-51.60	16.85508G	-42.43	3
2462MHz	Pass	2.43791G	15.93	-14.07	2.15613G	-55.13	2.39728G	-49.16	2.4G	-51.56	2.51142G	-52.59	16.58817G	-41.66	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	12.64	-17.36	2.10836G	-54.60	2.39984G	-30.96	2.4G	-29.91	2.5147G	-52.18	17.43666G	-42.32	1
2412MHz	Pass	2.44192G	12.64	-17.36	2.11885G	-53.91	2.39984G	-27.70	2.4G	-28.04	2.51142G	-53.04	24.84266G	-41.46	2
2412MHz	Pass	2.44192G	12.64	-17.36	2.30292G	-53.42	2.39992G	-28.52	2.4G	-28.98	2.51662G	-52.98	23.44069G	-42.75	3
2412MHz	Pass	2.44192G	12.64	-17.36	1.95691G	-54.44	2.4G	-27.21	2.4G	-27.20	2.52342G	-53.08	16.8916G	-41.79	4
2437MHz	Pass	2.44192G	12.64	-17.36	2.15613G	-54.42	2.3996G	-44.45	2.4G	-45.93	2.51534G	-53.13	16.61346G	-42.51	1
2437MHz	Pass	2.44192G	12.64	-17.36	2.18525G	-54.60	2.39928G	-43.26	2.4G	-44.10	2.50206G	-51.77	24.93538G	-42.72	2
2437MHz	Pass	2.44192G	12.64	-17.36	2.07691G	-53.00	2.39984G	-46.21	2.4G	-46.35	2.50166G	-52.67	15.04853G	-42.13	3
2437MHz	Pass	2.44192G	12.64	-17.36	2.11419G	-54.10	2.39992G	-42.76	2.4G	-43.86	2.5019G	-52.01	15.13844G	-42.54	4
2462MHz	Pass	2.44192G	12.64	-17.36	2.12584G	-54.02	2.39632G	-49.11	2.4G	-50.98	2.5079G	-52.69	16.64155G	-42.10	1
2462MHz	Pass	2.44192G	12.64	-17.36	2.09438G	-54.57	2.39496G	-49.38	2.4G	-50.82	2.52142G	-52.52	15.0401G	-41.50	2
2462MHz	Pass	2.44192G	12.64	-17.36	2.14215G	-54.06	2.39544G	-49.07	2.4G	-47.76	2.51334G	-52.75	16.48422G	-42.11	3
2462MHz	Pass	2.44192G	12.64	-17.36	2.30525G	-54.51	2.39792G	-49.80	2.4G	-52.06	2.50438G	-52.15	16.90003G	-42.57	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43206G	12.61	-17.39	2.1037G	-53.51	2.39984G	-27.55	2.4G	-27.10	2.5223G	-52.32	16.55165G	-42.04	1
2412MHz	Pass	2.43206G	12.61	-17.39	2.13749G	-54.18	2.4G	-29.74	2.4G	-28.94	2.51734G	-52.76	17.45632G	-41.81	2
2412MHz	Pass	2.43206G	12.61	-17.39	2.17943G	-54.40	2.4G	-28.60	2.4G	-27.91	2.5111G	-51.92	16.89441G	-42.32	3
2412MHz	Pass	2.43206G	12.61	-17.39	2.04079G	-54.36	2.39992G	-28.40	2.4G	-27.84	2.5099G	-52.38	16.8916G	-41.88	4
2437MHz	Pass	2.43206G	12.61	-17.39	2.15147G	-54.41	2.39952G	-39.81	2.4G	-40.89	2.50886G	-51.25	24.96067G	-41.77	1
2437MHz	Pass	2.43206G	12.61	-17.39	1.78799G	-54.30	2.4G	-40.71	2.4G	-41.46	2.5155G	-51.78	16.58255G	-42.02	2
2437MHz	Pass	2.43206G	12.61	-17.39	2.09555G	-54.63	2.39968G	-41.85	2.4G	-43.18	2.50286G	-52.62	16.55726G	-41.86	3
2437MHz	Pass	2.43206G	12.61	-17.39	2.12933G	-54.53	2.39944G	-41.21	2.4G	-41.49	2.5079G	-52.20	16.84946G	-41.36	4
2462MHz	Pass	2.43206G	12.61	-17.39	2.13166G	-53.88	2.3952G	-50.08	2.4G	-50.62	2.5011G	-52.27	16.73989G	-41.76	1
2462MHz	Pass	2.43206G	12.61	-17.39	2.19807G	-53.72	2.39904G	-50.79	2.4G	-50.89	2.52038G	-51.77	23.26931G	-42.07	2
2462MHz	Pass	2.43206G	12.61	-17.39	2.17593G	-53.82	2.39688G	-50.00	2.4G	-51.98	2.5139G	-51.50	16.71179G	-41.67	3
2462MHz	Pass	2.43206G	12.61	-17.39	1.74838G	-52.90	2.398G	-49.53	2.4G	-51.44	2.5099G	-52.16	16.70898G	-41.45	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	8.27	-21.73	2.07612G	-53.79	2.39456G	-37.65	2.4G	-35.30	2.53326G	-52.11	17.01261G	-41.69	1
2422MHz	Pass	2.44075G	8.27	-21.73	1.96047G	-53.79	2.39984G	-34.64	2.4G	-33.46	2.51118G	-52.05	23.47712G	-42.28	2
2422MHz	Pass	2.44075G	8.27	-21.73	2.15512G	-53.34	2.4G	-32.17	2.4G	-34.13	2.53998G	-52.71	16.56107G	-41.10	3
2422MHz	Pass	2.44075G	8.27	-21.73	2.10932G	-54.11	2.39968G	-35.81	2.4G	-32.75	2.50622G	-53.25	16.67045G	-40.76	4
2437MHz	Pass	2.44075G	8.27	-21.73	2.1265G	-53.84	2.39824G	-32.06	2.4G	-33.41	2.52094G	-52.96	15.04941G	-41.51	1
2437MHz	Pass	2.44075G	8.27	-21.73	2.08184G	-54.04	2.39936G	-30.71	2.4G	-33.22	2.52782G	-52.50	16.62277G	-41.92	2
2437MHz	Pass	2.44075G	8.27	-21.73	1.96276G	-54.16	2.39616G	-28.22	2.4G	-29.13	2.5003G	-52.43	16.78824G	-42.43	3
2437MHz	Pass	2.44075G	8.27	-21.73	2.14253G	-54.83	2.4G	-31.64	2.4G	-32.76	2.51246G	-51.95	16.94249G	-41.52	4
2452MHz	Pass	2.44075G	8.27	-21.73	2.14138G	-53.53	2.39984G	-45.08	2.4G	-46.61	2.51342G	-51.42	16.89201G	-41.40	1
2452MHz	Pass	2.44075G	8.27	-21.73	2.16772G	-53.95	2.4G	-45.75	2.4G	-43.16	2.5099G	-52.48	24.85977G	-41.57	2
2452MHz	Pass	2.44075G	8.27	-21.73	1.92269G	-54.83	2.39968G	-43.77	2.4G	-44.41	2.53214G	-52.81	15.041G	-40.97	3
2452MHz	Pass	2.44075G	8.27	-21.73	1.82994G	-54.21	2.39824G	-46.26	2.4G	-46.20	2.53774G	-51.47	16.58631G	-42.46	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX CSENdB

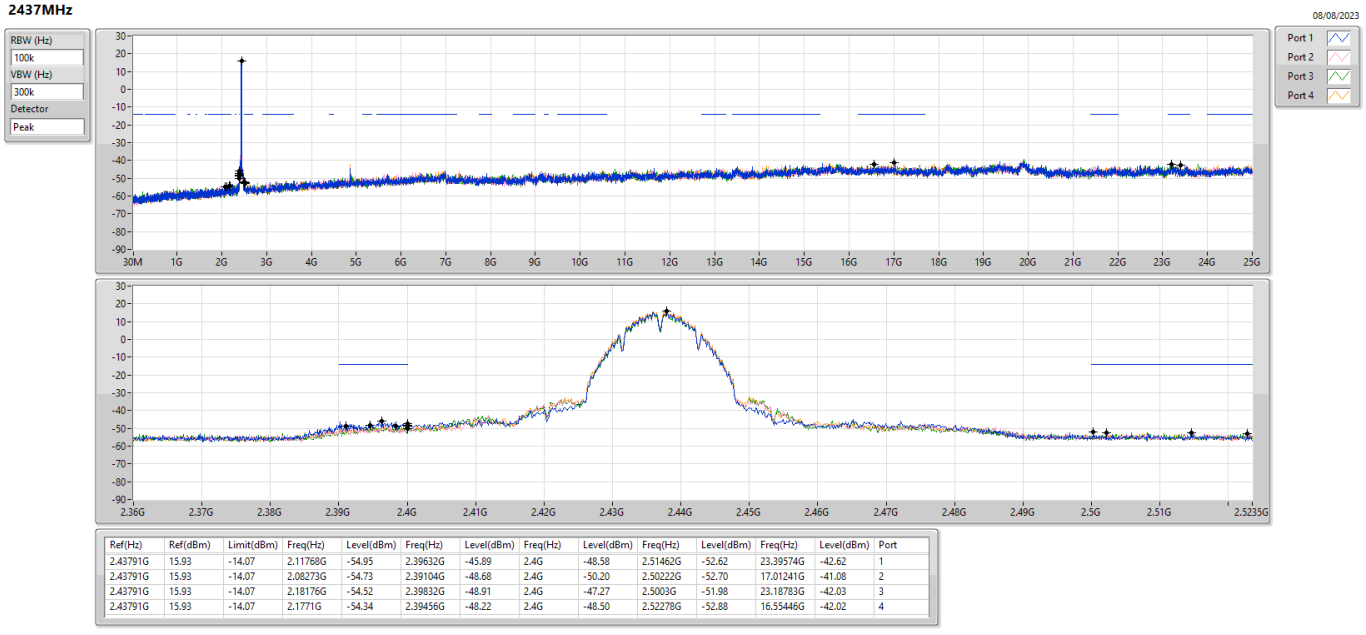
2412MHz



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
2.43791G	15.93	-14.07	2.18176G	-54.41	2.39848G	-40.23	2.4G	-42.61	2.50406G	-52.83	15.23677G	-42.05	1
2.43791G	15.93	-14.07	2.16312G	-53.76	2.39856G	-38.66	2.4G	-41.18	2.5175G	-52.02	17.20346G	-42.44	2
2.43791G	15.93	-14.07	2.14681G	-53.52	2.39656G	-36.39	2.4G	-40.30	2.5139G	-52.49	24.46337G	-42.24	3
2.43791G	15.93	-14.07	2.15846G	-53.49	2.39848G	-37.86	2.4G	-40.52	2.51966G	-52.99	24.59542G	-42.15	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX CSENdB

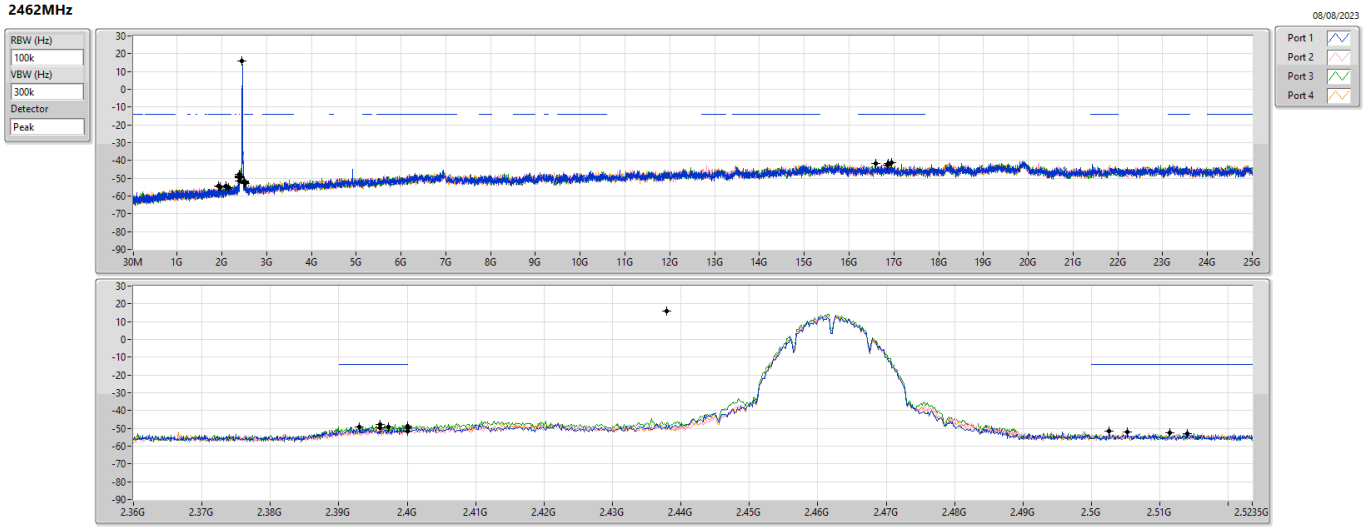
2437MHz



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
2.43791G	15.93	-14.07	2.11768G	-54.95	2.39632G	-45.89	2.4G	-48.58	2.51462G	-52.62	23.39574G	-42.62	1
2.43791G	15.93	-14.07	2.08273G	-54.73	2.39104G	-48.68	2.4G	-50.20	2.50222G	-52.70	17.01241G	-41.08	2
2.43791G	15.93	-14.07	2.18176G	-54.52	2.39832G	-48.91	2.4G	-47.27	2.5003G	-51.98	23.18783G	-42.03	3
2.43791G	15.93	-14.07	2.1771G	-54.34	2.39456G	-48.22	2.4G	-48.50	2.52278G	-52.88	16.55446G	-42.02	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **CSENdB**

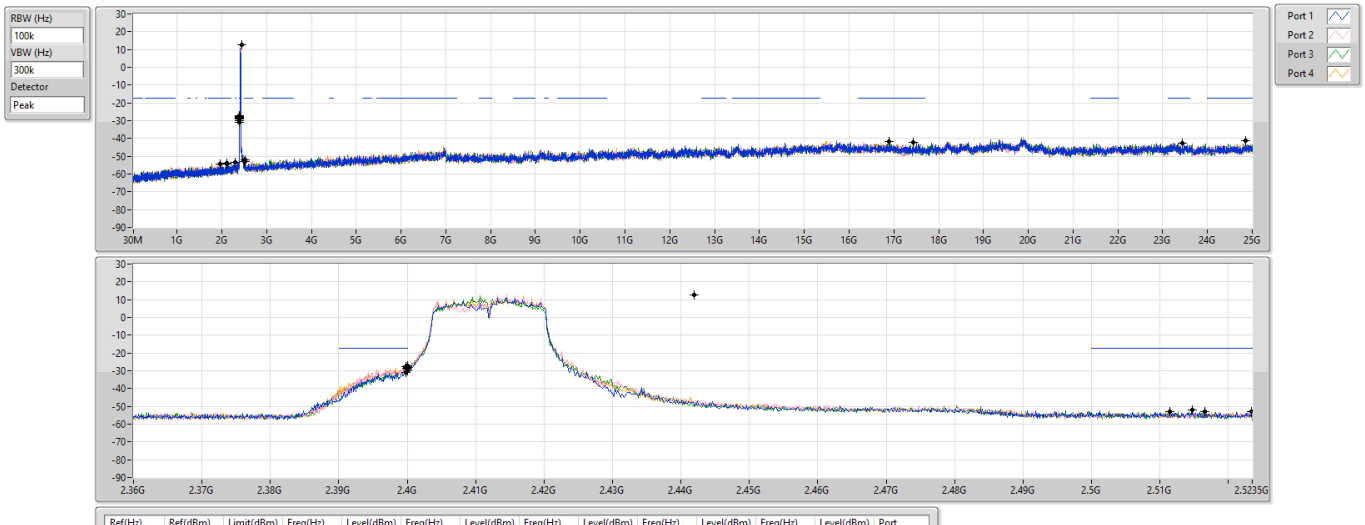
2462MHz



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
2.43791G	15.93	-14.07	2.08506G	-54.30	2.39304G	-49.45	2.4G	-49.65	2.51398G	-52.86	16.87475G	-41.56	1
2.43791G	15.93	-14.07	1.97206G	-54.83	2.39608G	-49.89	2.4G	-51.67	2.50518G	-51.92	16.9506G	-41.45	2
2.43791G	15.93	-14.07	1.93361G	-54.54	2.396G	-47.60	2.4G	-48.57	2.50262G	-51.60	16.85508G	-42.43	3
2.43791G	15.93	-14.07	2.15613G	-55.13	2.39728G	-49.16	2.4G	-51.56	2.51142G	-52.59	16.58817G	-41.66	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **CSENdB**

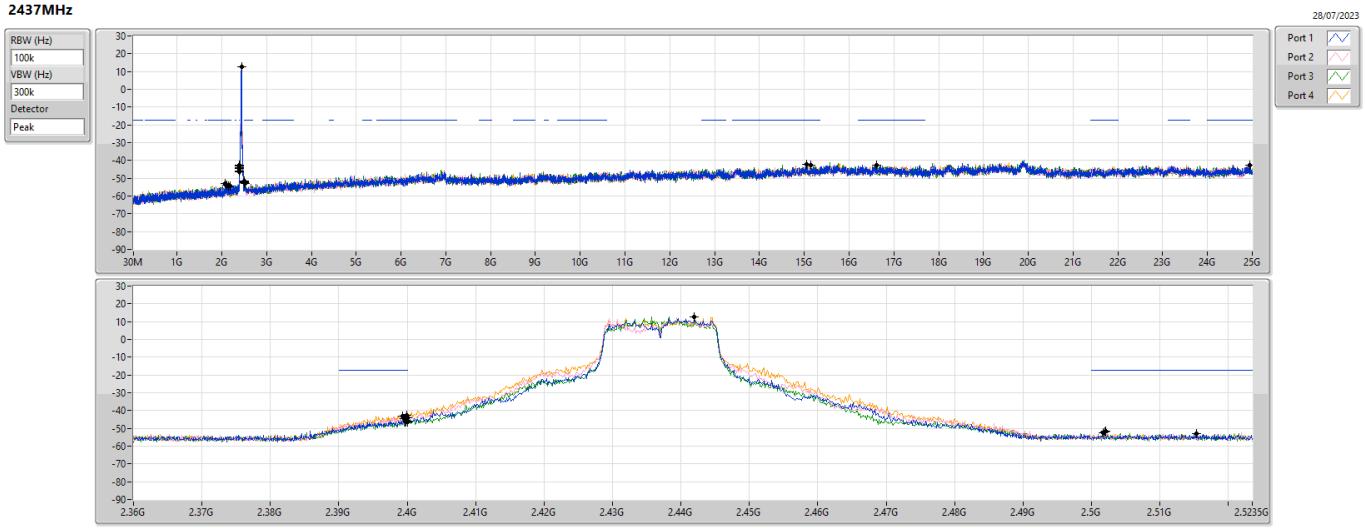
2412MHz



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	12.64	-17.36	2.10836G	-54.60	2.39984G	-30.96	2.4G	-29.91	2.5147G	-52.18	17.43666G	-42.32	1
2.44192G	12.64	-17.36	2.11885G	-53.91	2.39984G	-27.70	2.4G	-28.04	2.51142G	-53.04	24.84266G	-41.46	2
2.44192G	12.64	-17.36	2.30292G	-53.42	2.39992G	-28.52	2.4G	-28.98	2.51662G	-52.98	23.44069G	-42.75	3
2.44192G	12.64	-17.36	1.95691G	-54.44	2.4G	-27.21	2.4G	-27.20	2.52342G	-53.08	16.8916G	-41.79	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX CSENdB

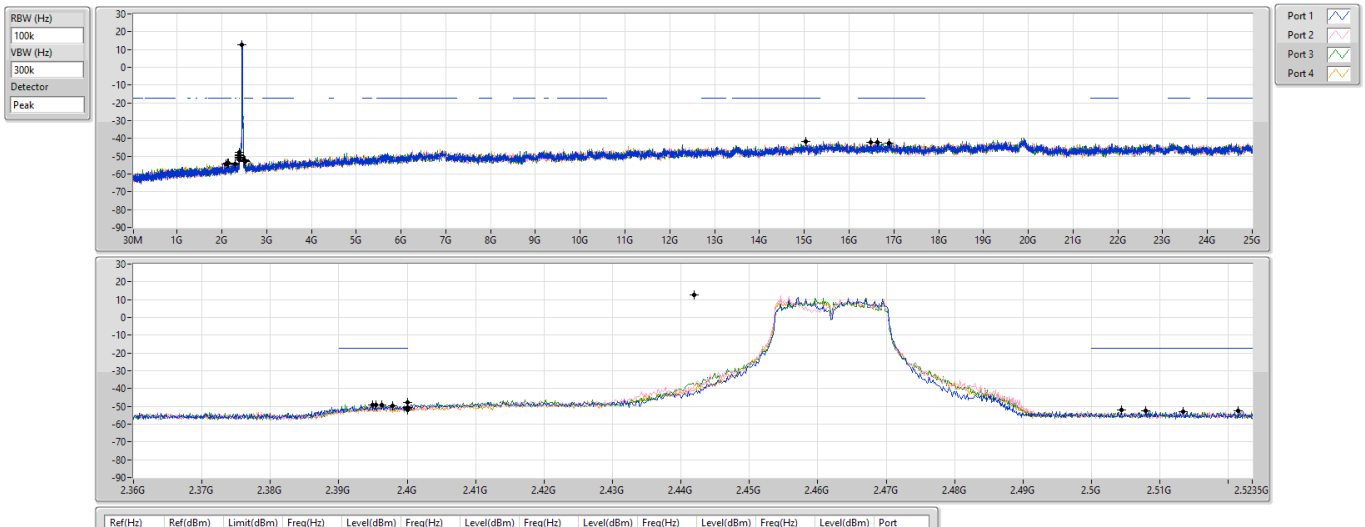
2437MHz



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	12.64	-17.36	2.15613G	-54.42	2.3996G	-44.45	2.4G	-45.93	2.51534G	-53.13	16.61346G	-42.51	1
2.44192G	12.64	-17.36	2.18525G	-54.60	2.39928G	-43.26	2.4G	-44.10	2.50206G	-51.77	24.93538G	-42.72	2
2.44192G	12.64	-17.36	2.07691G	-53.00	2.39984G	-46.21	2.4G	-46.35	2.50166G	-52.67	15.04853G	-42.13	3
2.44192G	12.64	-17.36	2.11419G	-54.10	2.39992G	-42.76	2.4G	-43.86	2.5019G	-52.01	15.13844G	-42.54	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX CSENdB

2462MHz

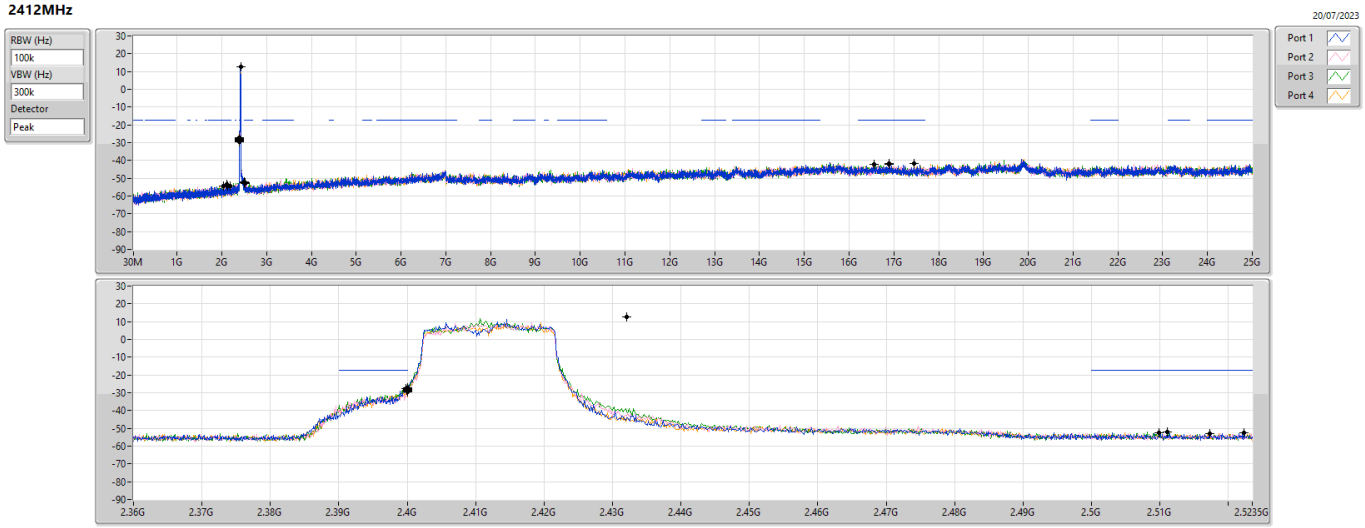


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44192G	12.64	-17.36	2.12584G	-54.02	2.39632G	-49.11	2.4G	-50.98	2.5079G	-52.69	16.64155G	-42.10	1
2.44192G	12.64	-17.36	2.09438G	-54.57	2.39496G	-49.38	2.4G	-50.82	2.52142G	-52.52	15.0401G	-41.50	2
2.44192G	12.64	-17.36	2.14215G	-54.06	2.39544G	-49.07	2.4G	-47.76	2.51334G	-52.75	16.48422G	-42.11	3
2.44192G	12.64	-17.36	2.30525G	-54.51	2.39792G	-49.80	2.4G	-52.06	2.50438G	-52.15	16.90003G	-42.57	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

CSENdB

2412MHz

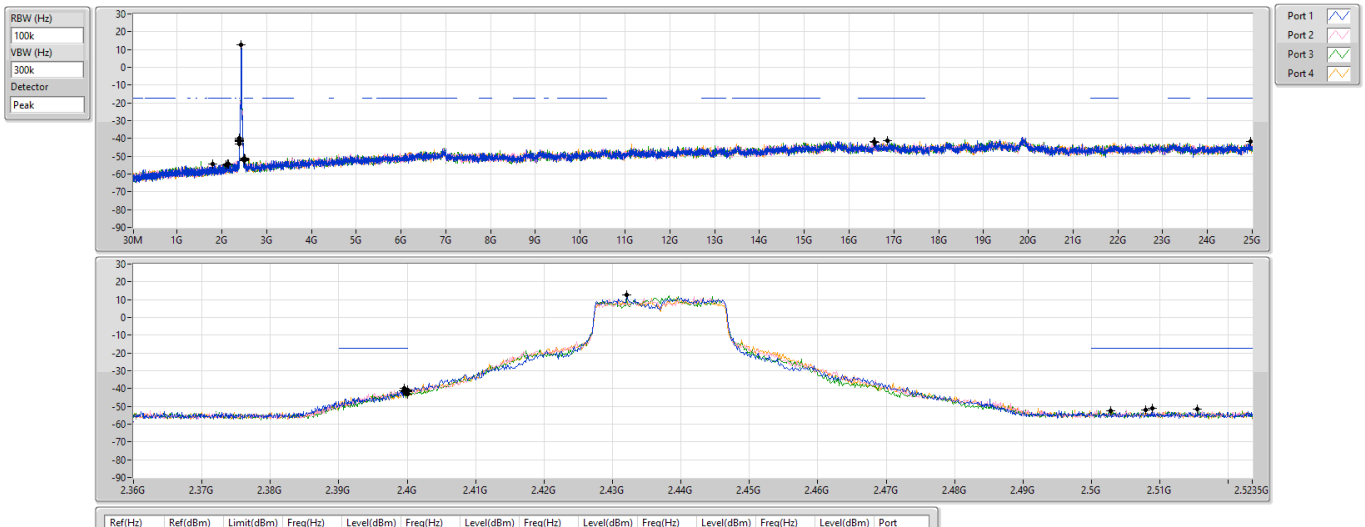


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43206G	12.61	-17.39	2.1037G	-53.51	2.39984G	-27.55	2.4G	-27.10	2.5223G	-52.32	16.55165G	-42.04	1
2.43206G	12.61	-17.39	2.13749G	-54.18	2.4G	-29.74	2.4G	-28.94	2.51734G	-52.76	17.45632G	-41.81	2
2.43206G	12.61	-17.39	2.17943G	-54.40	2.4G	-28.60	2.4G	-27.91	2.5111G	-51.92	16.89441G	-42.32	3
2.43206G	12.61	-17.39	2.04079G	-54.36	2.39992G	-28.40	2.4G	-27.84	2.5099G	-52.38	16.8916G	-41.88	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

CSENdB

2437MHz

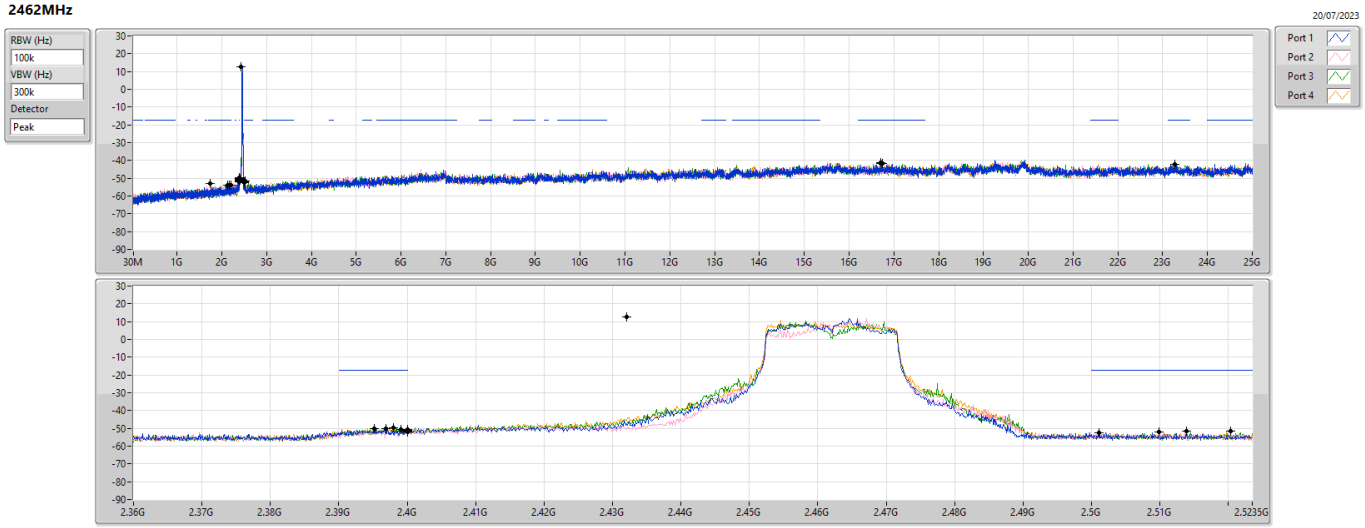


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43206G	12.61	-17.39	2.15147G	-54.41	2.39952G	-39.81	2.4G	-40.89	2.50886G	-51.25	24.96067G	-41.77	1
2.43206G	12.61	-17.39	1.78799G	-54.30	2.4G	-40.71	2.4G	-41.46	2.5155G	-51.78	16.58255G	-42.02	2
2.43206G	12.61	-17.39	2.09555G	-54.63	2.39968G	-41.85	2.4G	-43.18	2.50286G	-52.62	16.55726G	-41.86	3
2.43206G	12.61	-17.39	2.12933G	-54.53	2.39944G	-41.21	2.4G	-41.49	2.5079G	-52.20	16.84946G	-41.36	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

CSENdB

2462MHz

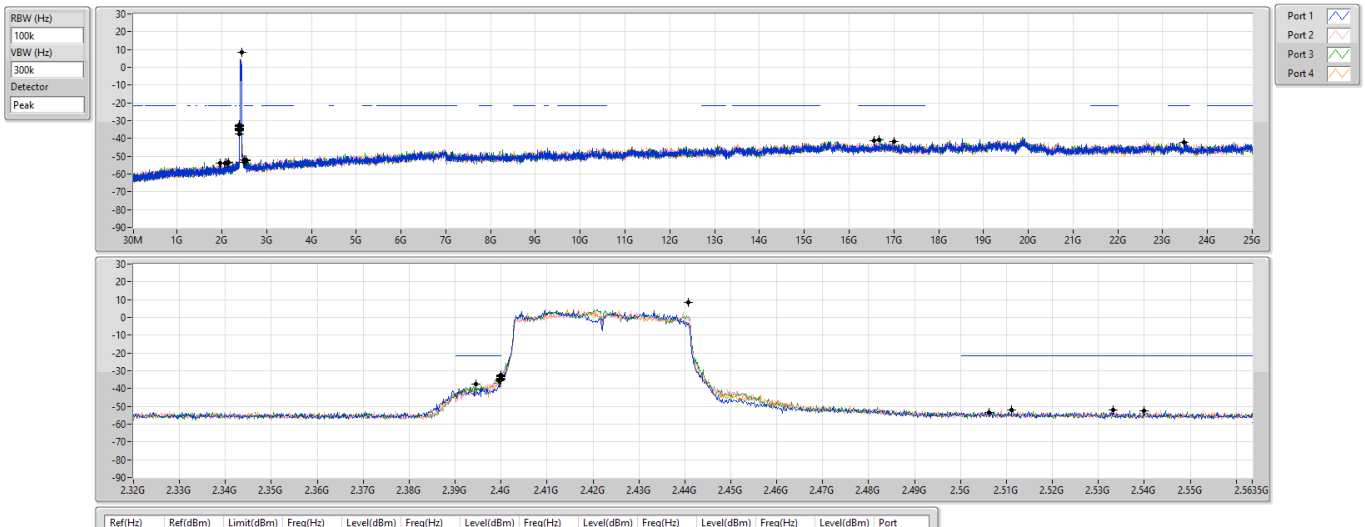


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43206G	12.61	-17.39	2.13166G	-53.88	2.3952G	-50.08	2.4G	-50.62	2.5011G	-52.27	16.73989G	-41.76	1
2.43206G	12.61	-17.39	2.19807G	-53.72	2.39904G	-50.79	2.4G	-50.89	2.52038G	-51.77	23.26931G	-42.07	2
2.43206G	12.61	-17.39	2.17593G	-53.82	2.39688G	-50.00	2.4G	-51.98	2.5139G	-51.50	16.71179G	-41.67	3
2.43206G	12.61	-17.39	1.74838G	-52.90	2.398G	-49.53	2.4G	-51.44	2.5099G	-52.16	16.70898G	-41.45	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

CSENdB

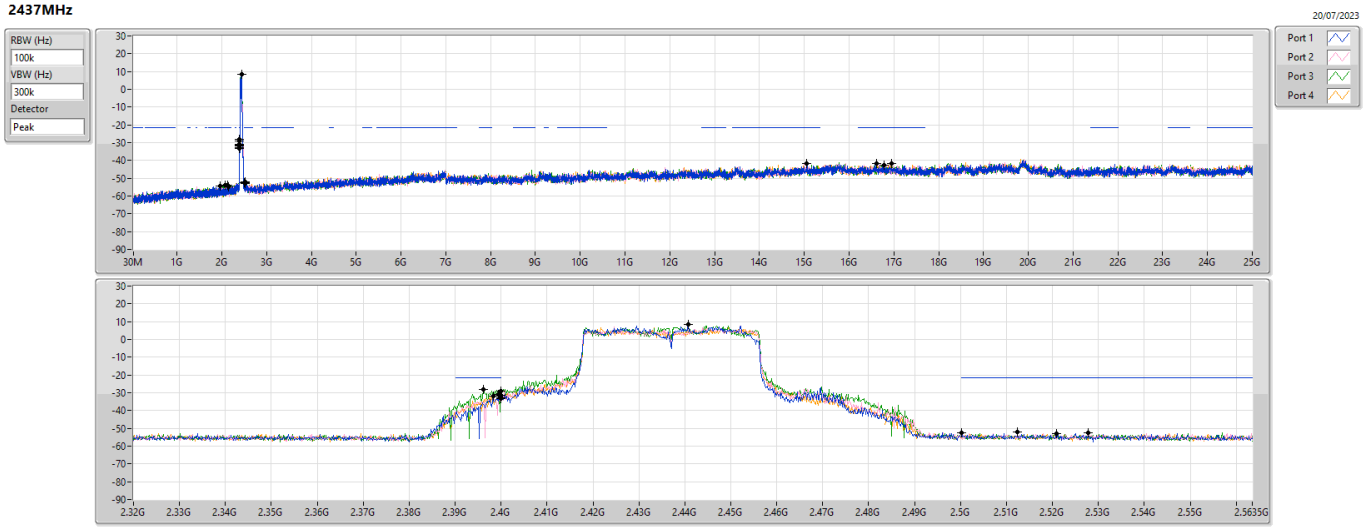
2422MHz



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
2.44075G	8.27	-21.73	2.07612G	-53.79	2.39456G	-37.65	2.4G	-35.30	2.53326G	-52.11	17.01261G	-41.69	1
2.44075G	8.27	-21.73	1.96047G	-53.79	2.39984G	-34.64	2.4G	-33.46	2.51118G	-52.05	23.47712G	-42.28	2
2.44075G	8.27	-21.73	2.15512G	-53.34	2.4G	-32.17	2.4G	-34.13	2.53998G	-52.71	16.56107G	-41.10	3
2.44075G	8.27	-21.73	2.10932G	-54.11	2.39968G	-35.81	2.4G	-32.75	2.50622G	-53.25	16.67045G	-40.76	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX CSENdB

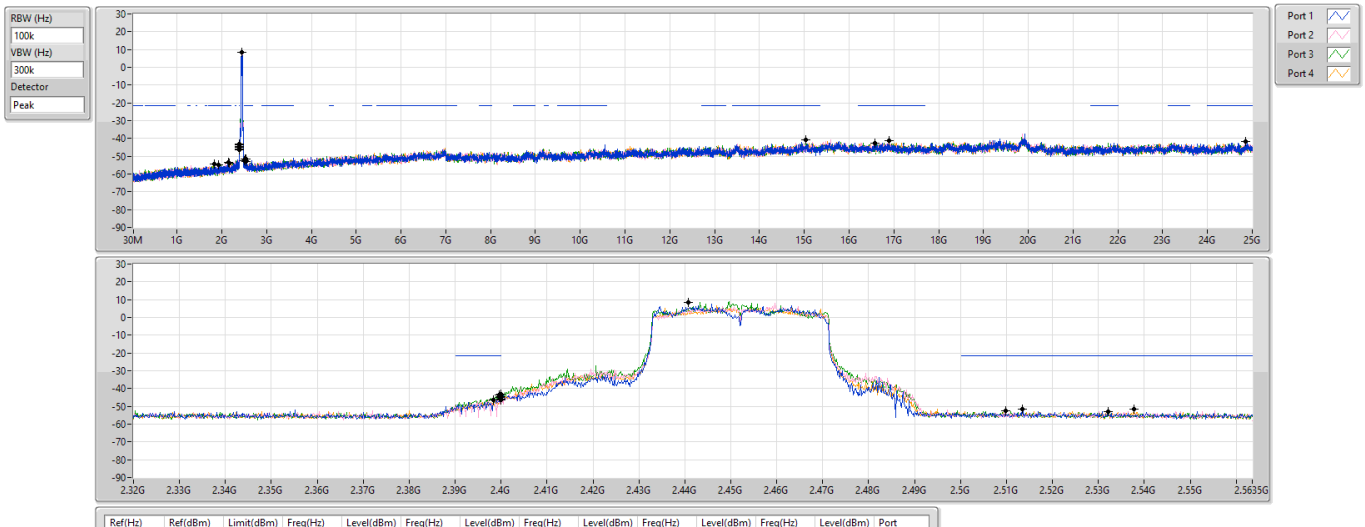
2437MHz



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
2.44075G	8.27	-21.73	2.1265G	-53.84	2.39824G	-32.06	2.4G	-33.41	2.52094G	-52.96	15.04941G	-41.51	1
2.44075G	8.27	-21.73	2.08184G	-54.04	2.39936G	-30.71	2.4G	-33.22	2.52782G	-52.50	16.62277G	-41.92	2
2.44075G	8.27	-21.73	1.96276G	-54.16	2.39616G	-28.22	2.4G	-29.13	2.5003G	-52.43	16.78824G	-42.43	3
2.44075G	8.27	-21.73	2.14253G	-54.83	2.4G	-31.64	2.4G	-32.76	2.51246G	-51.95	16.94249G	-41.52	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX 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
2.44075G	8.27	-21.73	2.14138G	-53.53	2.39984G	-45.08	2.4G	-46.61	2.51342G	-51.42	16.89201G	-41.40	1
2.44075G	8.27	-21.73	2.16772G	-53.95	2.4G	-45.75	2.4G	-43.16	2.5099G	-52.48	24.85977G	-41.57	2
2.44075G	8.27	-21.73	1.92269G	-54.83	2.39968G	-43.77	2.4G	-44.41	2.53214G	-52.81	15.041G	-40.97	3
2.44075G	8.27	-21.73	1.82994G	-54.21	2.39824G	-46.26	2.4G	-46.20	2.53774G	-51.47	16.58631G	-42.46	4

Summary

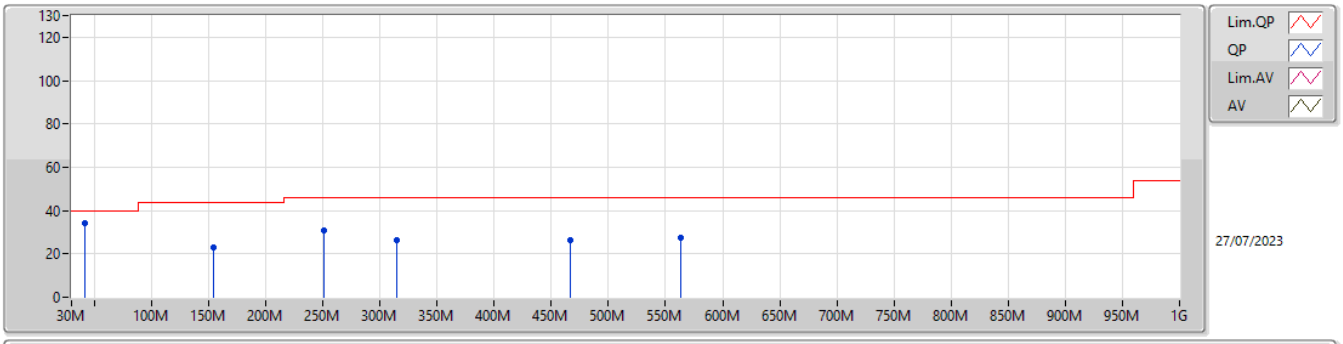
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	PK	39.7M	35.32	40.00	-4.68	3	Horizontal	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	41.64M	34.20	40.00	-5.80	3	Vertical	360	1.00
2437MHz	Pass	PK	154.16M	23.08	43.50	-20.42	3	Vertical	360	1.00
2437MHz	Pass	PK	251.16M	30.65	46.00	-15.35	3	Vertical	360	1.00
2437MHz	Pass	PK	315.18M	26.34	46.00	-19.66	3	Vertical	360	1.00
2437MHz	Pass	PK	466.5M	26.41	46.00	-19.59	3	Vertical	360	1.00
2437MHz	Pass	PK	563.5M	27.56	46.00	-18.44	3	Vertical	360	1.00
2437MHz	Pass	PK	39.7M	35.32	40.00	-4.68	3	Horizontal	0	1.00
2437MHz	Pass	PK	142.52M	33.15	43.50	-10.35	3	Horizontal	0	1.00
2437MHz	Pass	PK	251.16M	33.80	46.00	-12.20	3	Horizontal	0	1.00
2437MHz	Pass	PK	357.86M	34.34	46.00	-11.66	3	Horizontal	0	1.00
2437MHz	Pass	PK	478.14M	29.71	46.00	-16.29	3	Horizontal	0	1.00
2437MHz	Pass	PK	606.18M	28.32	46.00	-17.68	3	Horizontal	0	1.00

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

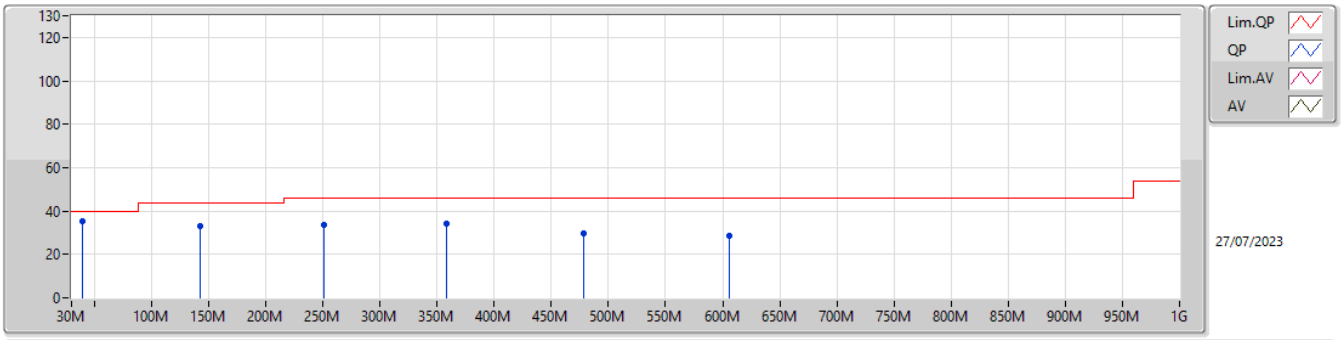
2437MHz_TX



Type	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
PK	41.64M	34.20	40.00	-5.80	3	Vertical	360	1.00	42.42	17.03	1.43	26.68
PK	154.16M	23.08	43.50	-20.42	3	Vertical	360	1.00	32.94	15.42	2.43	27.71
PK	251.16M	30.65	46.00	-15.35	3	Vertical	360	1.00	37.14	17.68	3.05	27.22
PK	315.18M	26.34	46.00	-19.66	3	Vertical	360	1.00	31.59	18.72	3.40	27.37
PK	466.5M	26.41	46.00	-19.59	3	Vertical	360	1.00	28.06	22.39	4.32	28.36
PK	563.5M	27.56	46.00	-18.44	3	Vertical	360	1.00	27.70	23.92	4.58	28.64

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX



Type	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
PK	39.7M	35.32	40.00	-4.68	3	Horizontal	0	1.00	42.60	18.01	1.41	26.70
PK	142.52M	33.15	43.50	-10.35	3	Horizontal	0	1.00	42.41	16.15	2.35	27.76
PK	251.16M	33.80	46.00	-12.20	3	Horizontal	0	1.00	40.29	17.68	3.05	27.22
PK	357.86M	34.34	46.00	-11.66	3	Horizontal	0	1.00	38.44	19.84	3.70	27.64
PK	478.14M	29.71	46.00	-16.29	3	Horizontal	0	1.00	31.06	22.68	4.35	28.38
PK	606.18M	28.32	46.00	-17.68	3	Horizontal	0	1.00	28.07	23.95	4.80	28.50

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	AV	4.874G	52.74	54.00	-1.26	3	Vertical	28	2.85
802.11g_Nss1,(6Mbps)_4TX	Pass	AV	2.39G	53.56	54.00	-0.44	3	Horizontal	64	1.25
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	AV	2.4835G	53.65	54.00	-0.35	3	Horizontal	324	1.28
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	AV	2.4858G	53.92	54.00	-0.08	3	Vertical	345	1.11

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	46.14	54.00	-7.86	3	Vertical	6	1.06
2412MHz	Pass	AV	2.4128G	113.86	Inf	-Inf	3	Vertical	6	1.06
2412MHz	Pass	PK	2.3896G	60.80	74.00	-13.20	3	Vertical	6	1.06
2412MHz	Pass	PK	2.413G	116.51	Inf	-Inf	3	Vertical	6	1.06
2412MHz	Pass	AV	2.39G	46.81	54.00	-7.19	3	Horizontal	52	1.50
2412MHz	Pass	AV	2.4128G	114.71	Inf	-Inf	3	Horizontal	52	1.50
2412MHz	Pass	PK	2.3896G	60.60	74.00	-13.40	3	Horizontal	52	1.50
2412MHz	Pass	PK	2.413G	117.39	Inf	-Inf	3	Horizontal	52	1.50
2412MHz	Pass	AV	4.824G	52.73	54.00	-1.27	3	Vertical	10	1.07
2412MHz	Pass	PK	4.82396G	54.86	74.00	-19.14	3	Vertical	10	1.07
2412MHz	Pass	AV	4.824G	52.32	54.00	-1.68	3	Horizontal	353	1.50
2412MHz	Pass	PK	4.824G	54.82	74.00	-19.18	3	Horizontal	353	1.50
2437MHz	Pass	AV	2.3898G	47.07	54.00	-6.93	3	Vertical	8	1.17
2437MHz	Pass	AV	2.4378G	116.18	Inf	-Inf	3	Vertical	8	1.17
2437MHz	Pass	AV	2.485G	46.86	54.00	-7.14	3	Vertical	8	1.17
2437MHz	Pass	PK	2.3898G	59.52	74.00	-14.48	3	Vertical	8	1.17
2437MHz	Pass	PK	2.4378G	118.87	Inf	-Inf	3	Vertical	8	1.17
2437MHz	Pass	PK	2.4846G	59.83	74.00	-14.17	3	Vertical	8	1.17
2437MHz	Pass	AV	2.3898G	48.11	54.00	-5.89	3	Horizontal	60	1.22
2437MHz	Pass	AV	2.4378G	118.64	Inf	-Inf	3	Horizontal	60	1.22
2437MHz	Pass	AV	2.485G	48.21	54.00	-5.79	3	Horizontal	60	1.22
2437MHz	Pass	PK	2.3898G	59.98	74.00	-14.02	3	Horizontal	60	1.22
2437MHz	Pass	PK	2.4382G	121.49	Inf	-Inf	3	Horizontal	60	1.22
2437MHz	Pass	PK	2.4882G	60.99	74.00	-13.01	3	Horizontal	60	1.22
2437MHz	Pass	AV	4.874G	52.74	54.00	-1.26	3	Vertical	28	2.85
2437MHz	Pass	AV	7.31222G	38.70	54.00	-15.30	3	Vertical	346	1.56
2437MHz	Pass	PK	4.874G	54.97	74.00	-19.03	3	Vertical	28	2.85
2437MHz	Pass	PK	7.31202G	49.85	74.00	-24.15	3	Vertical	346	1.56
2437MHz	Pass	AV	4.874G	51.86	54.00	-2.14	3	Horizontal	346	1.77
2437MHz	Pass	AV	7.31174G	44.56	54.00	-9.44	3	Horizontal	65	1.56
2437MHz	Pass	PK	4.87404G	54.25	74.00	-19.75	3	Horizontal	346	1.77
2437MHz	Pass	PK	7.31054G	52.52	74.00	-21.48	3	Horizontal	65	1.56
2462MHz	Pass	AV	2.4612G	116.55	Inf	-Inf	3	Vertical	8	1.13
2462MHz	Pass	AV	2.4835G	47.70	54.00	-6.30	3	Vertical	8	1.13
2462MHz	Pass	PK	2.4612G	119.23	Inf	-Inf	3	Vertical	8	1.13
2462MHz	Pass	PK	2.484G	60.43	74.00	-13.57	3	Vertical	8	1.13
2462MHz	Pass	AV	2.4612G	119.05	Inf	-Inf	3	Horizontal	52	1.35
2462MHz	Pass	AV	2.4835G	49.45	54.00	-4.55	3	Horizontal	52	1.35
2462MHz	Pass	PK	2.4612G	121.75	Inf	-Inf	3	Horizontal	52	1.35
2462MHz	Pass	PK	2.4836G	61.93	74.00	-12.07	3	Horizontal	52	1.35
2462MHz	Pass	AV	4.92402G	49.28	54.00	-4.72	3	Vertical	329	1.02
2462MHz	Pass	AV	7.38526G	45.25	54.00	-8.75	3	Vertical	57	1.31
2462MHz	Pass	PK	4.92406G	52.51	74.00	-21.49	3	Vertical	329	1.02
2462MHz	Pass	PK	7.38482G	52.41	74.00	-21.59	3	Vertical	57	1.31
2462MHz	Pass	AV	4.92402G	52.59	54.00	-1.41	3	Horizontal	344	1.54
2462MHz	Pass	AV	7.38526G	50.15	54.00	-3.85	3	Horizontal	304	2.42
2462MHz	Pass	PK	4.92398G	54.85	74.00	-19.15	3	Horizontal	344	1.54
2462MHz	Pass	PK	7.3851G	55.75	74.00	-18.25	3	Horizontal	304	2.42
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	48.94	54.00	-5.06	3	Vertical	14	1.05
2412MHz	Pass	AV	2.4138G	110.81	Inf	-Inf	3	Vertical	14	1.05
2412MHz	Pass	PK	2.388G	62.89	74.00	-11.11	3	Vertical	14	1.05
2412MHz	Pass	PK	2.413G	120.47	Inf	-Inf	3	Vertical	14	1.05
2412MHz	Pass	AV	2.39G	53.20	54.00	-0.80	3	Horizontal	310	1.06
2412MHz	Pass	AV	2.4166G	112.91	Inf	-Inf	3	Horizontal	310	1.06
2412MHz	Pass	PK	2.3898G	67.72	74.00	-6.28	3	Horizontal	310	1.06
2412MHz	Pass	PK	2.4152G	122.63	Inf	-Inf	3	Horizontal	310	1.06
2412MHz	Pass	AV	4.82424G	45.53	54.00	-8.47	3	Vertical	29	2.52
2412MHz	Pass	PK	4.82308G	59.20	74.00	-14.80	3	Vertical	29	2.52
2412MHz	Pass	AV	4.82584G	45.07	54.00	-8.93	3	Horizontal	355	1.92

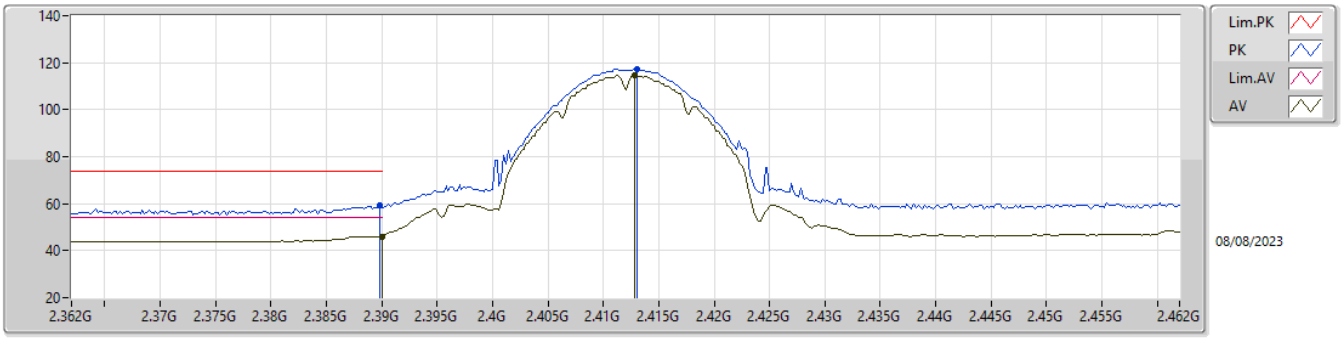
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	PK	4.8264G	58.91	74.00	-15.09	3	Horizontal	355	1.92
2417MHz	Pass	AV	2.39G	51.77	54.00	-2.23	3	Vertical	16	1.07
2417MHz	Pass	AV	2.4188G	111.45	Inf	-Inf	3	Vertical	16	1.07
2417MHz	Pass	PK	2.39G	69.10	74.00	-4.90	3	Vertical	16	1.07
2417MHz	Pass	PK	2.418G	121.17	Inf	-Inf	3	Vertical	16	1.07
2417MHz	Pass	AV	2.39G	53.56	54.00	-0.44	3	Horizontal	64	1.25
2417MHz	Pass	AV	2.4188G	113.79	Inf	-Inf	3	Horizontal	64	1.25
2417MHz	Pass	PK	2.39G	71.19	74.00	-2.81	3	Horizontal	64	1.25
2417MHz	Pass	PK	2.4188G	122.93	Inf	-Inf	3	Horizontal	64	1.25
2437MHz	Pass	AV	2.3898G	47.13	54.00	-6.87	3	Vertical	16	1.16
2437MHz	Pass	AV	2.4386G	110.82	Inf	-Inf	3	Vertical	16	1.16
2437MHz	Pass	AV	2.485G	46.83	54.00	-7.17	3	Vertical	16	1.16
2437MHz	Pass	PK	2.3898G	61.28	74.00	-12.72	3	Vertical	16	1.16
2437MHz	Pass	PK	2.439G	120.13	Inf	-Inf	3	Vertical	16	1.16
2437MHz	Pass	PK	2.4858G	61.44	74.00	-12.56	3	Vertical	16	1.16
2437MHz	Pass	AV	2.3898G	48.13	54.00	-5.87	3	Horizontal	65	1.31
2437MHz	Pass	AV	2.4386G	113.12	Inf	-Inf	3	Horizontal	65	1.31
2437MHz	Pass	AV	2.4846G	48.01	54.00	-5.99	3	Horizontal	65	1.31
2437MHz	Pass	PK	2.3898G	60.87	74.00	-13.13	3	Horizontal	65	1.31
2437MHz	Pass	PK	2.4386G	122.10	Inf	-Inf	3	Horizontal	65	1.31
2437MHz	Pass	PK	2.4846G	60.91	74.00	-13.09	3	Horizontal	65	1.31
2437MHz	Pass	AV	4.87392G	33.85	54.00	-20.15	3	Vertical	26	2.35
2437MHz	Pass	AV	7.30176G	33.87	54.00	-20.13	3	Vertical	348	2.27
2437MHz	Pass	PK	4.87508G	47.16	74.00	-26.84	3	Vertical	26	2.35
2437MHz	Pass	PK	7.31348G	46.64	74.00	-27.36	3	Vertical	348	2.27
2437MHz	Pass	AV	4.87044G	33.53	54.00	-20.47	3	Horizontal	0	1.50
2437MHz	Pass	AV	7.31356G	34.42	54.00	-19.58	3	Horizontal	60	1.41
2437MHz	Pass	PK	4.86972G	47.68	74.00	-26.32	3	Horizontal	0	1.50
2437MHz	Pass	PK	7.31604G	47.89	74.00	-26.11	3	Horizontal	60	1.41
2457MHz	Pass	AV	2.458G	109.12	Inf	-Inf	3	Vertical	4	1.09
2457MHz	Pass	AV	2.4835G	50.42	54.00	-3.58	3	Vertical	4	1.09
2457MHz	Pass	PK	2.458G	118.84	Inf	-Inf	3	Vertical	4	1.09
2457MHz	Pass	PK	2.4836G	66.79	74.00	-7.21	3	Vertical	4	1.09
2457MHz	Pass	AV	2.4586G	111.36	Inf	-Inf	3	Horizontal	339	1.09
2457MHz	Pass	AV	2.4835G	50.87	54.00	-3.13	3	Horizontal	339	1.09
2457MHz	Pass	PK	2.458G	120.68	Inf	-Inf	3	Horizontal	339	1.09
2457MHz	Pass	PK	2.4836G	67.96	74.00	-6.04	3	Horizontal	339	1.09
2462MHz	Pass	AV	2.4692G	107.27	Inf	-Inf	3	Vertical	357	3.00
2462MHz	Pass	AV	2.4835G	51.29	54.00	-2.71	3	Vertical	357	3.00
2462MHz	Pass	PK	2.469G	116.25	Inf	-Inf	3	Vertical	357	3.00
2462MHz	Pass	PK	2.4835G	66.76	74.00	-7.24	3	Vertical	357	3.00
2462MHz	Pass	AV	2.4548G	109.57	Inf	-Inf	3	Horizontal	320	1.50
2462MHz	Pass	AV	2.4835G	53.42	54.00	-0.58	3	Horizontal	320	1.50
2462MHz	Pass	PK	2.4546G	118.54	Inf	-Inf	3	Horizontal	320	1.50
2462MHz	Pass	PK	2.4835G	70.20	74.00	-3.80	3	Horizontal	320	1.50
2462MHz	Pass	AV	4.92454G	39.17	54.00	-14.83	3	Vertical	29	2.58
2462MHz	Pass	AV	7.38544G	34.62	54.00	-19.38	3	Vertical	159	1.50
2462MHz	Pass	PK	4.9246G	52.91	74.00	-21.09	3	Vertical	29	2.58
2462MHz	Pass	PK	7.38552G	47.95	74.00	-26.05	3	Vertical	159	1.50
2462MHz	Pass	AV	4.92016G	39.37	54.00	-14.63	3	Horizontal	1	1.50
2462MHz	Pass	AV	7.38462G	35.18	54.00	-18.82	3	Horizontal	57	3.00
2462MHz	Pass	PK	4.9201G	53.53	74.00	-20.47	3	Horizontal	1	1.50
2462MHz	Pass	PK	7.38468G	48.87	74.00	-25.13	3	Horizontal	57	3.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.60	54.00	-0.40	3	Vertical	10	1.08
2412MHz	Pass	AV	2.4132G	109.01	Inf	-Inf	3	Vertical	10	1.08
2412MHz	Pass	PK	2.39G	66.31	74.00	-7.69	3	Vertical	10	1.08
2412MHz	Pass	PK	2.4138G	121.21	Inf	-Inf	3	Vertical	10	1.08
2412MHz	Pass	AV	2.3884G	51.12	54.00	-2.88	3	Horizontal	61	2.10
2412MHz	Pass	AV	2.4142G	111.73	Inf	-Inf	3	Horizontal	61	2.10
2412MHz	Pass	PK	2.3892G	67.02	74.00	-6.98	3	Horizontal	61	2.10
2412MHz	Pass	PK	2.4148G	124.69	Inf	-Inf	3	Horizontal	61	2.10

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	AV	4.82526G	42.80	54.00	-11.20	3	Vertical	1	1.06
2412MHz	Pass	PK	4.82496G	58.97	74.00	-15.03	3	Vertical	1	1.06
2412MHz	Pass	AV	4.82118G	42.46	54.00	-11.54	3	Horizontal	44	2.16
2412MHz	Pass	PK	4.82076G	57.72	74.00	-16.28	3	Horizontal	44	2.16
2417MHz	Pass	AV	2.39G	49.84	54.00	-4.16	3	Vertical	12	1.08
2417MHz	Pass	AV	2.4184G	110.86	Inf	-Inf	3	Vertical	12	1.08
2417MHz	Pass	PK	2.3896G	65.87	74.00	-8.13	3	Vertical	12	1.08
2417MHz	Pass	PK	2.4178G	122.82	Inf	-Inf	3	Vertical	12	1.08
2417MHz	Pass	AV	2.39G	52.84	54.00	-1.16	3	Horizontal	58	1.91
2417MHz	Pass	AV	2.4192G	112.99	Inf	-Inf	3	Horizontal	58	1.91
2417MHz	Pass	PK	2.3888G	66.20	74.00	-7.80	3	Horizontal	58	1.91
2417MHz	Pass	PK	2.4198G	125.63	Inf	-Inf	3	Horizontal	58	1.91
2437MHz	Pass	AV	2.39G	46.14	54.00	-7.86	3	Vertical	6	1.06
2437MHz	Pass	AV	2.4128G	113.86	Inf	-Inf	3	Vertical	6	1.06
2437MHz	Pass	PK	2.3896G	60.80	74.00	-13.20	3	Vertical	6	1.06
2437MHz	Pass	PK	2.413G	116.51	Inf	-Inf	3	Vertical	6	1.06
2437MHz	Pass	AV	2.39G	46.81	54.00	-7.19	3	Horizontal	52	1.50
2437MHz	Pass	AV	2.4128G	114.71	Inf	-Inf	3	Horizontal	52	1.50
2437MHz	Pass	PK	2.3896G	60.60	74.00	-13.40	3	Horizontal	52	1.50
2437MHz	Pass	PK	2.413G	117.39	Inf	-Inf	3	Horizontal	52	1.50
2437MHz	Pass	AV	4.824G	52.73	54.00	-1.27	3	Vertical	10	1.07
2437MHz	Pass	PK	4.82396G	54.86	74.00	-19.14	3	Vertical	10	1.07
2437MHz	Pass	AV	4.824G	52.32	54.00	-1.68	3	Horizontal	353	1.50
2437MHz	Pass	PK	4.824G	54.82	74.00	-19.18	3	Horizontal	353	1.50
2457MHz	Pass	AV	2.4502G	108.70	Inf	-Inf	3	Vertical	356	1.50
2457MHz	Pass	AV	2.4835G	51.25	54.00	-2.75	3	Vertical	356	1.50
2457MHz	Pass	PK	2.4494G	120.55	Inf	-Inf	3	Vertical	356	1.50
2457MHz	Pass	PK	2.4854G	68.29	74.00	-5.71	3	Vertical	356	1.50
2457MHz	Pass	AV	2.4584G	112.59	Inf	-Inf	3	Horizontal	58	1.45
2457MHz	Pass	AV	2.4835G	52.76	54.00	-1.24	3	Horizontal	58	1.45
2457MHz	Pass	PK	2.4582G	124.57	Inf	-Inf	3	Horizontal	58	1.45
2457MHz	Pass	PK	2.4836G	73.01	74.00	-0.99	3	Horizontal	58	1.45
2462MHz	Pass	AV	2.4554G	109.44	Inf	-Inf	3	Vertical	360	1.87
2462MHz	Pass	AV	2.4848G	51.27	54.00	-2.73	3	Vertical	360	1.87
2462MHz	Pass	PK	2.4562G	122.88	Inf	-Inf	3	Vertical	360	1.87
2462MHz	Pass	PK	2.4838G	69.63	74.00	-4.37	3	Vertical	360	1.87
2462MHz	Pass	AV	2.455G	112.37	Inf	-Inf	3	Horizontal	324	1.28
2462MHz	Pass	AV	2.4835G	53.65	54.00	-0.35	3	Horizontal	324	1.28
2462MHz	Pass	PK	2.4564G	124.85	Inf	-Inf	3	Horizontal	324	1.28
2462MHz	Pass	PK	2.4862G	72.22	74.00	-1.78	3	Horizontal	324	1.28
2462MHz	Pass	AV	4.9285G	36.91	54.00	-17.09	3	Vertical	360	1.62
2462MHz	Pass	AV	7.38978G	37.40	54.00	-16.60	3	Vertical	58	1.50
2462MHz	Pass	PK	4.92754G	52.03	74.00	-21.97	3	Vertical	360	1.62
2462MHz	Pass	PK	7.39152G	52.87	74.00	-21.13	3	Vertical	58	1.50
2462MHz	Pass	AV	4.9282G	38.77	54.00	-15.23	3	Horizontal	320	1.56
2462MHz	Pass	AV	7.39056G	40.98	54.00	-13.02	3	Horizontal	304	1.50
2462MHz	Pass	PK	4.92856G	54.82	74.00	-19.18	3	Horizontal	320	1.56
2462MHz	Pass	PK	7.39362G	57.17	74.00	-16.83	3	Horizontal	304	1.50
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	50.32	54.00	-3.68	3	Vertical	7	1.16
2422MHz	Pass	AV	2.4232G	103.96	Inf	-Inf	3	Vertical	7	1.16
2422MHz	Pass	AV	2.4835G	45.16	54.00	-8.84	3	Vertical	7	1.16
2422MHz	Pass	PK	2.3896G	64.30	74.00	-9.70	3	Vertical	7	1.16
2422MHz	Pass	PK	2.4232G	117.43	Inf	-Inf	3	Vertical	7	1.16
2422MHz	Pass	PK	2.4944G	58.72	74.00	-15.28	3	Vertical	7	1.16
2422MHz	Pass	AV	2.39G	53.89	54.00	-0.11	3	Horizontal	61	1.49
2422MHz	Pass	AV	2.4236G	106.62	Inf	-Inf	3	Horizontal	61	1.49
2422MHz	Pass	AV	2.4835G	45.69	54.00	-8.31	3	Horizontal	61	1.49
2422MHz	Pass	PK	2.39G	68.36	74.00	-5.64	3	Horizontal	61	1.49
2422MHz	Pass	PK	2.4244G	119.09	Inf	-Inf	3	Horizontal	61	1.49
2422MHz	Pass	PK	2.4835G	58.81	74.00	-15.19	3	Horizontal	61	1.49
2422MHz	Pass	AV	4.8368G	34.46	54.00	-19.54	3	Vertical	20	1.52

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2422MHz	Pass	AV	7.25808G	34.73	54.00	-19.27	3	Vertical	301	1.54
2422MHz	Pass	PK	4.83656G	48.94	74.00	-25.06	3	Vertical	20	1.52
2422MHz	Pass	PK	7.26756G	48.68	74.00	-25.32	3	Vertical	301	1.54
2422MHz	Pass	AV	4.82816G	35.29	54.00	-18.71	3	Horizontal	357	2.59
2422MHz	Pass	AV	7.25952G	35.73	54.00	-18.27	3	Horizontal	310	1.50
2422MHz	Pass	PK	4.82828G	49.84	74.00	-24.16	3	Horizontal	357	2.59
2422MHz	Pass	PK	7.26696G	49.84	74.00	-24.16	3	Horizontal	310	1.50
2427MHz	Pass	AV	2.3898G	52.66	54.00	-1.34	3	Vertical	355	2.82
2427MHz	Pass	AV	2.433G	103.82	Inf	-Inf	3	Vertical	355	2.82
2427MHz	Pass	AV	2.4854G	45.25	54.00	-8.75	3	Vertical	355	2.82
2427MHz	Pass	PK	2.3898G	66.14	74.00	-7.86	3	Vertical	355	2.82
2427MHz	Pass	PK	2.4118G	117.15	Inf	-Inf	3	Vertical	355	2.82
2427MHz	Pass	PK	2.4838G	58.68	74.00	-15.32	3	Vertical	355	2.82
2427MHz	Pass	AV	2.3898G	53.44	54.00	-0.56	3	Horizontal	313	1.06
2427MHz	Pass	AV	2.4186G	108.72	Inf	-Inf	3	Horizontal	313	1.06
2427MHz	Pass	AV	2.4838G	46.55	54.00	-7.45	3	Horizontal	313	1.06
2427MHz	Pass	PK	2.3898G	68.08	74.00	-5.92	3	Horizontal	313	1.06
2427MHz	Pass	PK	2.4182G	120.67	Inf	-Inf	3	Horizontal	313	1.06
2427MHz	Pass	PK	2.4835G	60.12	74.00	-13.88	3	Horizontal	313	1.06
2437MHz	Pass	AV	2.3898G	52.15	54.00	-1.85	3	Vertical	345	1.11
2437MHz	Pass	AV	2.4486G	106.08	Inf	-Inf	3	Vertical	345	1.11
2437MHz	Pass	AV	2.4858G	53.92	54.00	-0.08	3	Vertical	345	1.11
2437MHz	Pass	PK	2.389G	69.58	74.00	-4.42	3	Vertical	345	1.11
2437MHz	Pass	PK	2.4478G	119.89	Inf	-Inf	3	Vertical	345	1.11
2437MHz	Pass	PK	2.4866G	70.22	74.00	-3.78	3	Vertical	345	1.11
2437MHz	Pass	AV	2.3898G	53.51	54.00	-0.49	3	Horizontal	62	2.09
2437MHz	Pass	AV	2.4198G	109.62	Inf	-Inf	3	Horizontal	62	2.09
2437MHz	Pass	AV	2.4835G	52.50	54.00	-1.50	3	Horizontal	62	2.09
2437MHz	Pass	PK	2.3894G	68.09	74.00	-5.91	3	Horizontal	62	2.09
2437MHz	Pass	PK	2.4198G	122.69	Inf	-Inf	3	Horizontal	62	2.09
2437MHz	Pass	PK	2.485G	66.44	74.00	-7.56	3	Horizontal	62	2.09
2437MHz	Pass	AV	4.86896G	36.10	54.00	-17.90	3	Vertical	29	1.50
2437MHz	Pass	AV	7.3236G	36.86	54.00	-17.14	3	Vertical	306	1.65
2437MHz	Pass	PK	4.86908G	50.55	74.00	-23.45	3	Vertical	29	1.50
2437MHz	Pass	PK	7.32192G	51.62	74.00	-22.38	3	Vertical	306	1.65
2437MHz	Pass	AV	4.86968G	36.93	54.00	-17.07	3	Horizontal	9	1.01
2437MHz	Pass	AV	7.32372G	40.45	54.00	-13.55	3	Horizontal	311	1.56
2437MHz	Pass	PK	4.84868G	51.09	74.00	-22.91	3	Horizontal	9	1.01
2437MHz	Pass	PK	7.29996G	56.89	74.00	-17.11	3	Horizontal	311	1.56
2452MHz	Pass	AV	2.39G	46.77	54.00	-7.23	3	Vertical	11	1.13
2452MHz	Pass	AV	2.4532G	106.10	Inf	-Inf	3	Vertical	11	1.13
2452MHz	Pass	AV	2.4835G	49.93	54.00	-4.07	3	Vertical	11	1.13
2452MHz	Pass	PK	2.3608G	59.20	74.00	-14.80	3	Vertical	11	1.13
2452MHz	Pass	PK	2.4532G	119.40	Inf	-Inf	3	Vertical	11	1.13
2452MHz	Pass	PK	2.4852G	68.33	74.00	-5.67	3	Vertical	11	1.13
2452MHz	Pass	AV	2.39G	47.51	54.00	-6.49	3	Horizontal	64	2.04
2452MHz	Pass	AV	2.454G	109.96	Inf	-Inf	3	Horizontal	64	2.04
2452MHz	Pass	AV	2.4835G	53.48	54.00	-0.52	3	Horizontal	64	2.04
2452MHz	Pass	PK	2.39G	60.26	74.00	-13.74	3	Horizontal	64	2.04
2452MHz	Pass	PK	2.4528G	122.77	Inf	-Inf	3	Horizontal	64	2.04
2452MHz	Pass	PK	2.4856G	70.67	74.00	-3.33	3	Horizontal	64	2.04
2452MHz	Pass	AV	4.89812G	35.60	54.00	-18.40	3	Vertical	20	1.55
2452MHz	Pass	AV	7.36404G	36.18	54.00	-17.82	3	Vertical	43	2.42
2452MHz	Pass	PK	4.89692G	50.05	74.00	-23.95	3	Vertical	20	1.55
2452MHz	Pass	PK	7.34592G	50.99	74.00	-23.01	3	Vertical	43	2.42
2452MHz	Pass	AV	4.90664G	35.83	54.00	-18.17	3	Horizontal	351	2.20
2452MHz	Pass	AV	7.35036G	39.04	54.00	-14.96	3	Horizontal	307	1.50
2452MHz	Pass	PK	4.90748G	50.80	74.00	-23.20	3	Horizontal	351	2.20
2452MHz	Pass	PK	7.347G	54.38	74.00	-19.62	3	Horizontal	307	1.50

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

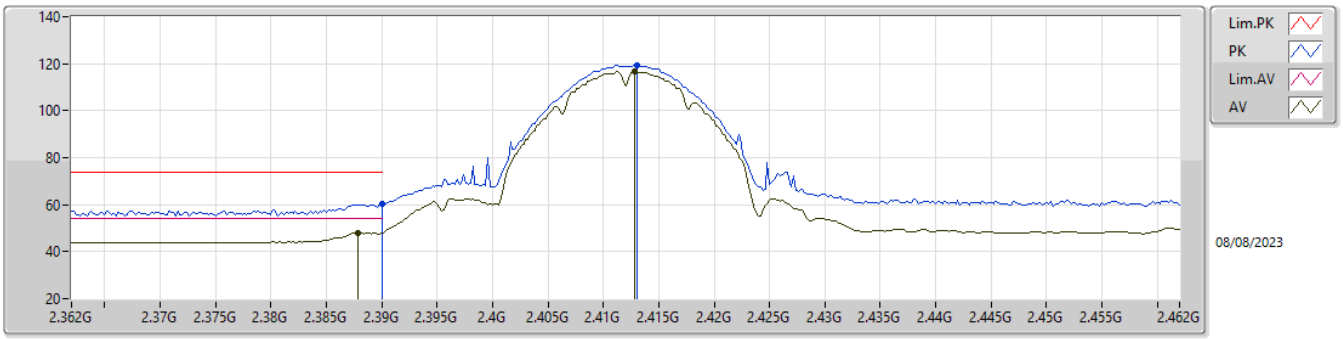
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	46.10	54.00	-7.90	31.77	3	Vertical	6	1.06	14.33	27.52	4.25	-
AV	2.4128G	114.66	Inf	-Inf	31.90	3	Vertical	6	1.06	82.76	27.63	4.27	-
PK	2.3898G	59.48	74.00	-14.52	31.77	3	Vertical	6	1.06	27.71	27.52	4.25	-
PK	2.413G	117.31	Inf	-Inf	31.90	3	Vertical	6	1.06	85.41	27.63	4.27	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

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	2.3878G	48.01	54.00	-5.99	31.75	3	Horizontal	52	1.50	16.26	27.50	4.25	-
AV	2.4128G	116.79	Inf	-Inf	31.90	3	Horizontal	52	1.50	84.89	27.63	4.27	-
PK	2.39G	60.32	74.00	-13.68	31.77	3	Horizontal	52	1.50	28.55	27.52	4.25	-
PK	2.413G	119.48	Inf	-Inf	31.90	3	Horizontal	52	1.50	87.58	27.63	4.27	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

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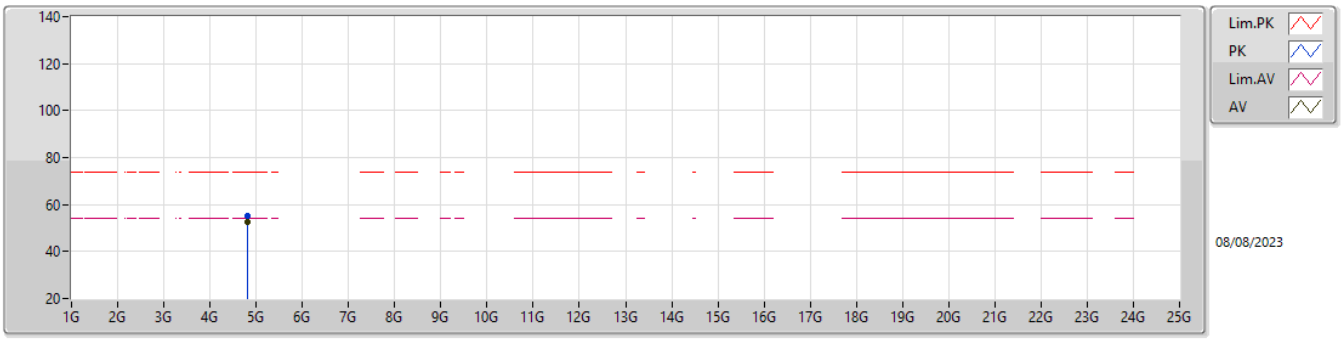
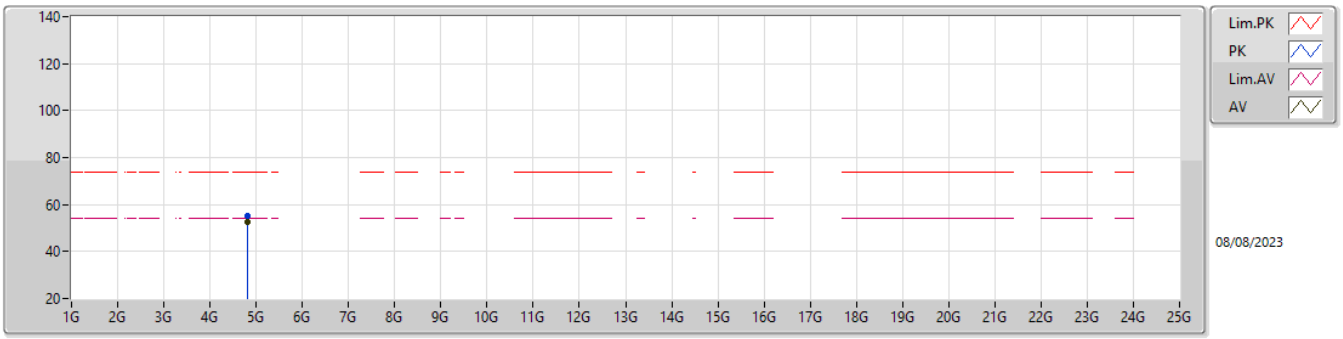


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.824G	52.84	54.00	-1.16	4.34	3	Vertical	7	1.08	48.50	32.34	6.18	34.18
PK	4.82404G	55.13	74.00	-18.87	4.34	3	Vertical	7	1.08	50.79	32.34	6.18	34.18

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

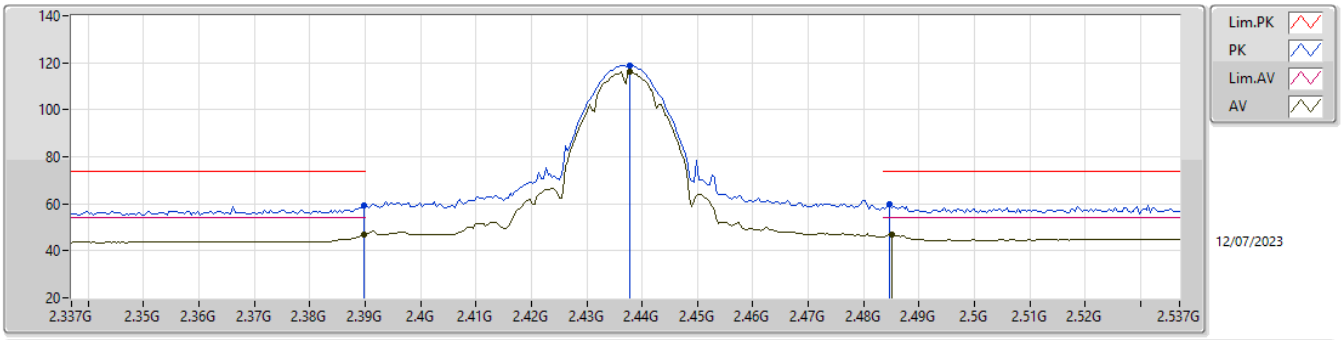
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.824G	52.64	54.00	-1.36	4.34	3	Horizontal	351	1.80	48.30	32.34	6.18	34.18
PK	4.824G	55.00	74.00	-19.00	4.34	3	Horizontal	351	1.80	50.66	32.34	6.18	34.18

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

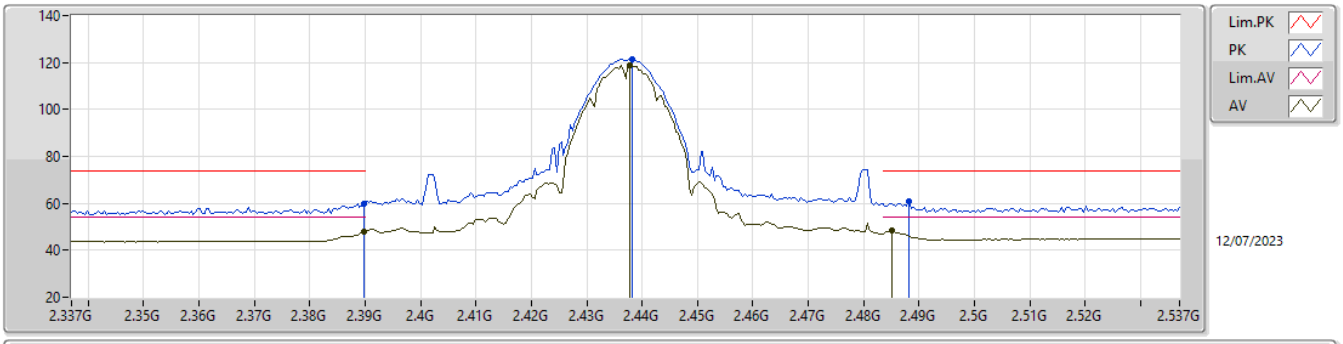
2437MHz_TX



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	47.07	54.00	-6.93	31.77	3	Vertical	8	1.17	15.30	27.52	4.25	-
AV	2.4378G	116.18	Inf	-Inf	31.96	3	Vertical	8	1.17	84.22	27.68	4.28	-
AV	2.485G	46.86	54.00	-7.14	32.15	3	Vertical	8	1.17	14.71	27.84	4.31	-
PK	2.3898G	59.52	74.00	-14.48	31.77	3	Vertical	8	1.17	27.75	27.52	4.25	-
PK	2.4378G	118.87	Inf	-Inf	31.96	3	Vertical	8	1.17	86.91	27.68	4.28	-
PK	2.4846G	59.83	74.00	-14.17	32.15	3	Vertical	8	1.17	27.68	27.84	4.31	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

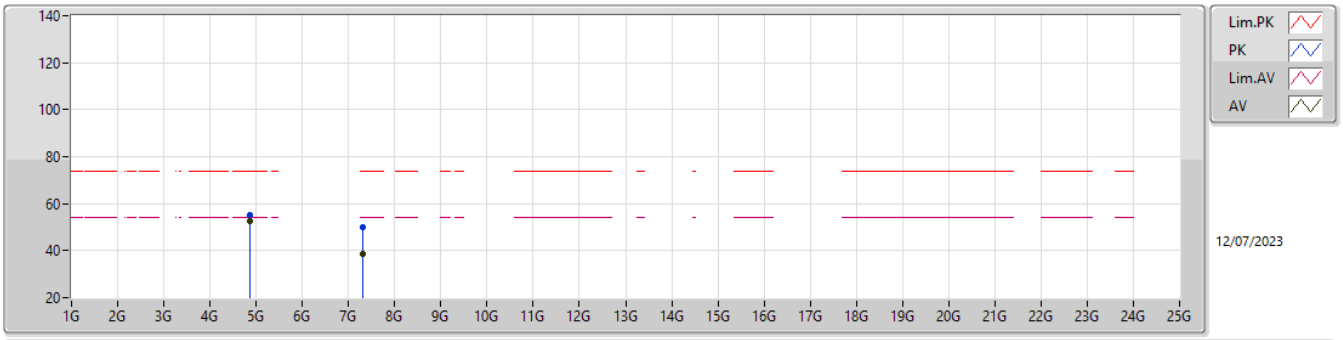
2437MHz_TX



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	48.11	54.00	-5.89	31.77	3	Horizontal	60	1.22	16.34	27.52	4.25	-
AV	2.4378G	118.64	Inf	-Inf	31.96	3	Horizontal	60	1.22	86.68	27.68	4.28	-
AV	2.485G	48.21	54.00	-5.79	32.15	3	Horizontal	60	1.22	16.06	27.84	4.31	-
PK	2.3898G	59.98	74.00	-14.02	31.77	3	Horizontal	60	1.22	28.21	27.52	4.25	-
PK	2.4382G	121.49	Inf	-Inf	31.96	3	Horizontal	60	1.22	89.53	27.68	4.28	-
PK	2.4882G	60.99	74.00	-13.01	32.16	3	Horizontal	60	1.22	28.83	27.85	4.31	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

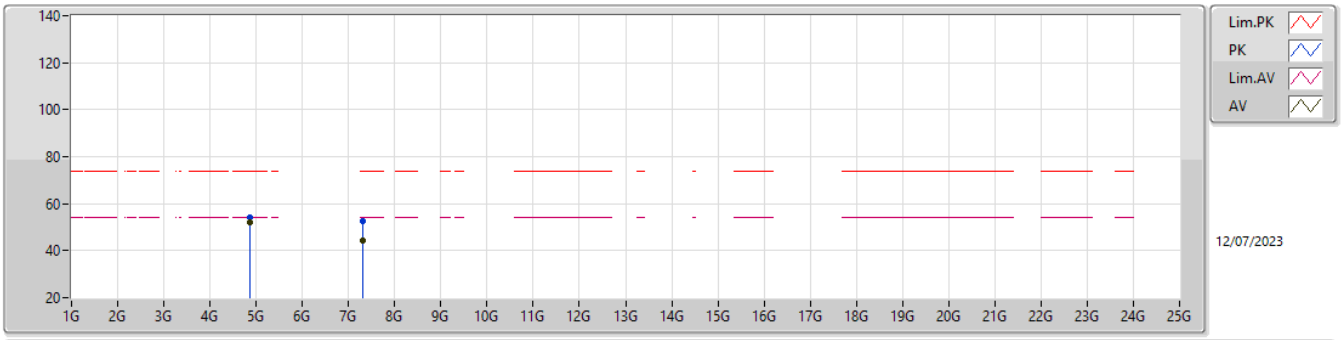
2437MHz_TX



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	4.874G	52.74	54.00	-1.26	4.64	3	Vertical	28	2.85	48.10	32.60	6.21	34.17
AV	7.31222G	38.70	54.00	-15.30	10.05	3	Vertical	346	1.56	28.65	36.75	7.80	34.50
PK	4.874G	54.97	74.00	-19.03	4.64	3	Vertical	28	2.85	50.33	32.60	6.21	34.17
PK	7.31202G	49.85	74.00	-24.15	10.05	3	Vertical	346	1.56	39.80	36.75	7.80	34.50

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

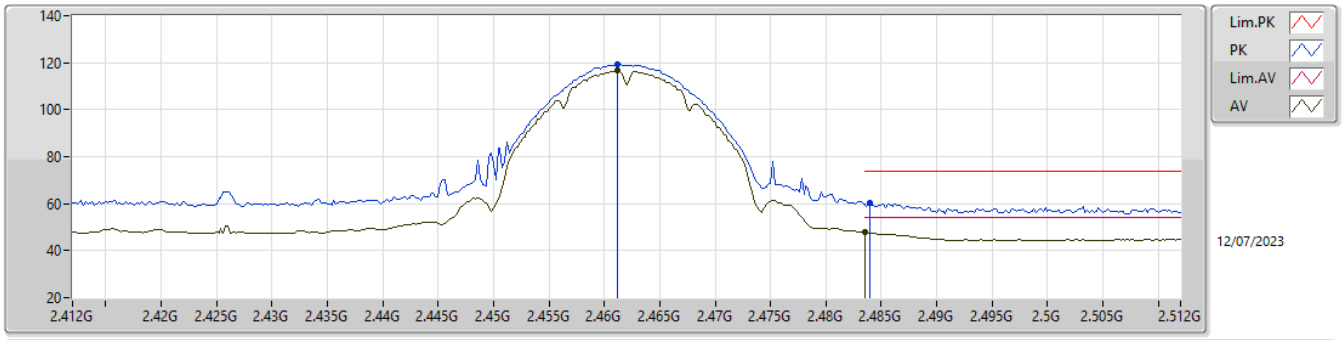
2437MHz_TX



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	4.874G	51.86	54.00	-2.14	4.64	3	Horizontal	346	1.77	47.22	32.60	6.21	34.17
AV	7.31174G	44.56	54.00	-9.44	10.05	3	Horizontal	65	1.56	34.51	36.75	7.80	34.50
PK	4.87404G	54.25	74.00	-19.75	4.64	3	Horizontal	346	1.77	49.61	32.60	6.21	34.17
PK	7.31054G	52.52	74.00	-21.48	10.06	3	Horizontal	65	1.56	42.46	36.76	7.80	34.50

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

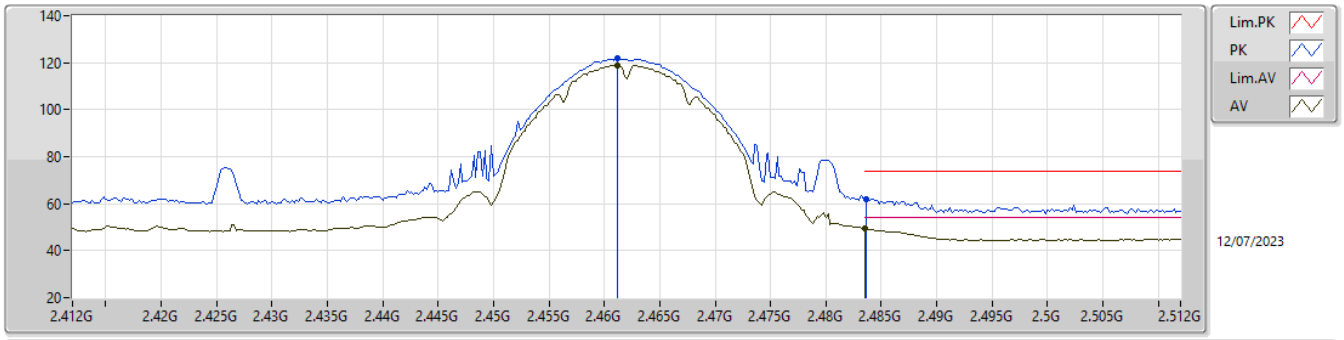
2462MHz_TX



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	116.55	Inf	-Inf	32.04	3	Vertical	8	1.13	84.51	27.74	4.30	-
AV	2.4835G	47.70	54.00	-6.30	32.14	3	Vertical	8	1.13	15.56	27.83	4.31	-
PK	2.4612G	119.23	Inf	-Inf	32.04	3	Vertical	8	1.13	87.19	27.74	4.30	-
PK	2.484G	60.43	74.00	-13.57	32.15	3	Vertical	8	1.13	28.28	27.84	4.31	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

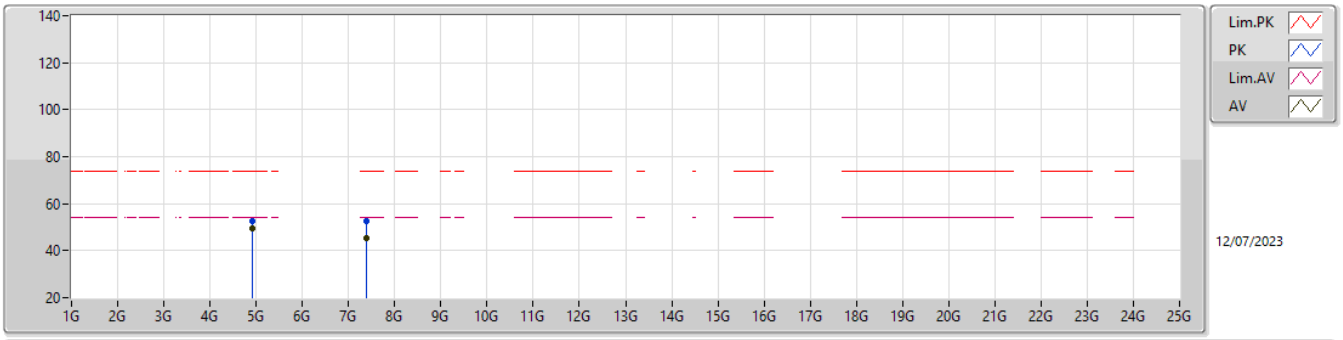
2462MHz_TX



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	119.05	Inf	-Inf	32.04	3	Horizontal	52	1.35	87.01	27.74	4.30	-
AV	2.4835G	49.45	54.00	-4.55	32.14	3	Horizontal	52	1.35	17.31	27.83	4.31	-
PK	2.4612G	121.75	Inf	-Inf	32.04	3	Horizontal	52	1.35	89.71	27.74	4.30	-
PK	2.4836G	61.93	74.00	-12.07	32.14	3	Horizontal	52	1.35	29.79	27.83	4.31	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

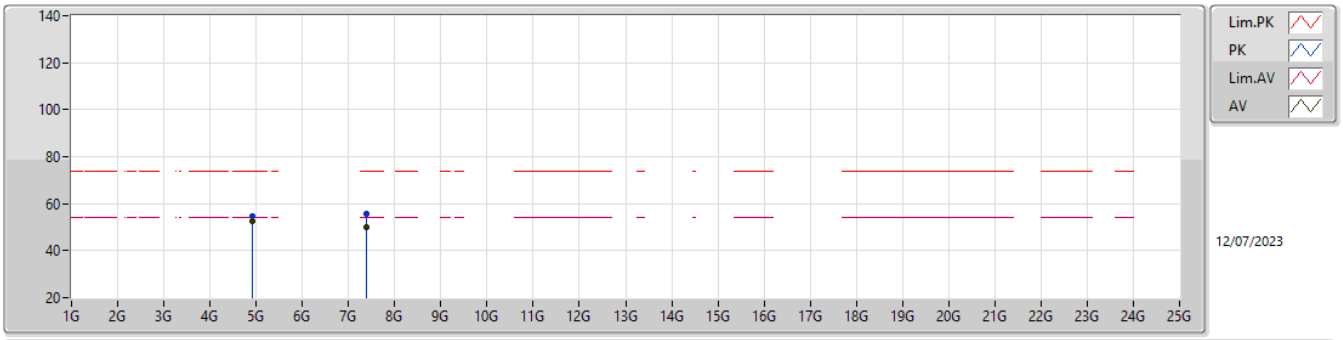
2462MHz_TX



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	4.92402G	49.28	54.00	-4.72	4.94	3	Vertical	329	1.02	44.34	32.84	6.25	34.15
AV	7.38526G	45.25	54.00	-8.75	9.79	3	Vertical	57	1.31	35.46	36.46	7.84	34.51
PK	4.92406G	52.51	74.00	-21.49	4.94	3	Vertical	329	1.02	47.57	32.84	6.25	34.15
PK	7.38482G	52.41	74.00	-21.59	9.79	3	Vertical	57	1.31	42.62	36.46	7.84	34.51

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

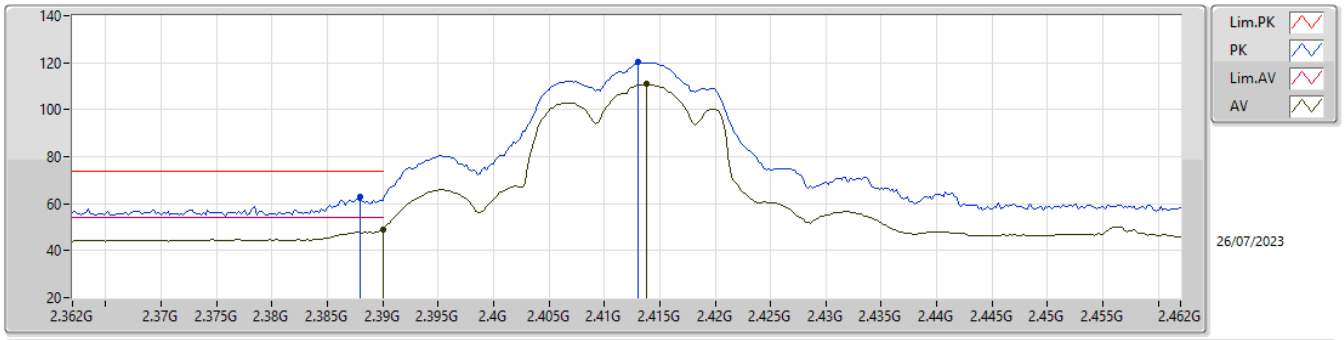
2462MHz_TX



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	4.92402G	52.59	54.00	-1.41	4.94	3	Horizontal	344	1.54	47.65	32.84	6.25	34.15
AV	7.38526G	50.15	54.00	-3.85	9.79	3	Horizontal	304	2.42	40.36	36.46	7.84	34.51
PK	4.92398G	54.85	74.00	-19.15	4.94	3	Horizontal	344	1.54	49.91	32.84	6.25	34.15
PK	7.3851G	55.75	74.00	-18.25	9.79	3	Horizontal	304	2.42	45.96	36.46	7.84	34.51

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

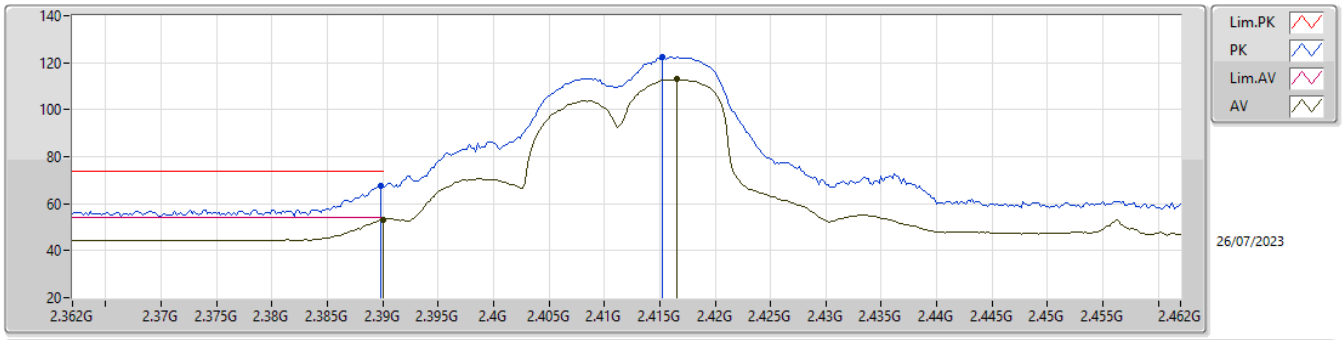
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	48.94	54.00	-5.06	31.77	3	Vertical	14	1.05	17.17	27.52	4.25	-
AV	2.4138G	110.81	Inf	-Inf	31.90	3	Vertical	14	1.05	78.91	27.63	4.27	-
PK	2.388G	62.89	74.00	-11.11	31.75	3	Vertical	14	1.05	31.14	27.50	4.25	-
PK	2.413G	120.47	Inf	-Inf	31.90	3	Vertical	14	1.05	88.57	27.63	4.27	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

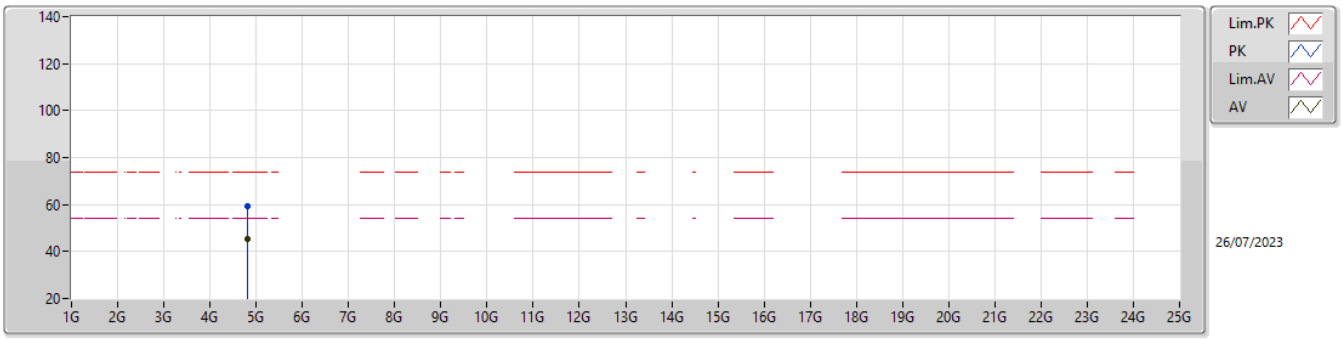
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.20	54.00	-0.80	31.77	3	Horizontal	310	1.06	21.43	27.52	4.25	-
AV	2.4166G	112.91	Inf	-Inf	31.90	3	Horizontal	310	1.06	81.01	27.63	4.27	-
PK	2.3898G	67.72	74.00	-6.28	31.77	3	Horizontal	310	1.06	35.95	27.52	4.25	-
PK	2.4152G	122.63	Inf	-Inf	31.90	3	Horizontal	310	1.06	90.73	27.63	4.27	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

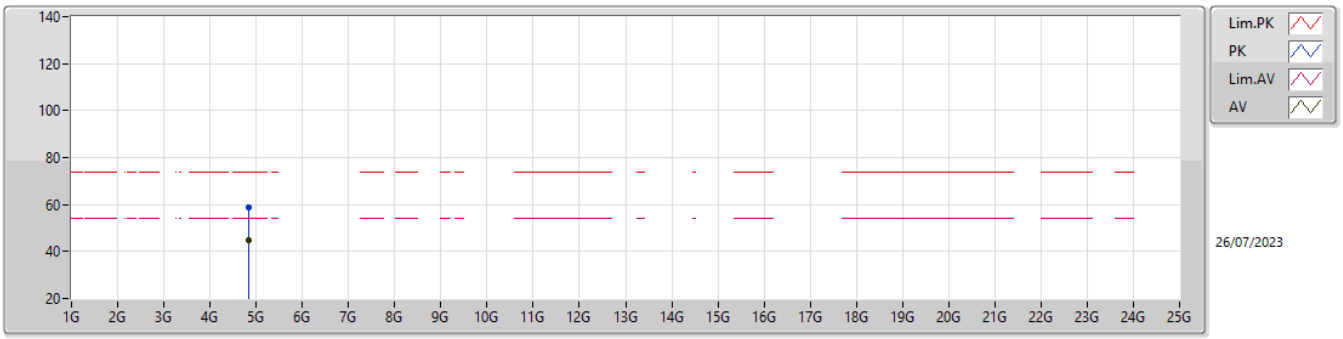
2412MHz_TX



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	4.82424G	45.53	54.00	-8.47	4.35	3	Vertical	29	2.52	41.18	32.35	6.18	34.18
PK	4.82308G	59.20	74.00	-14.80	4.34	3	Vertical	29	2.52	54.86	32.34	6.18	34.18

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

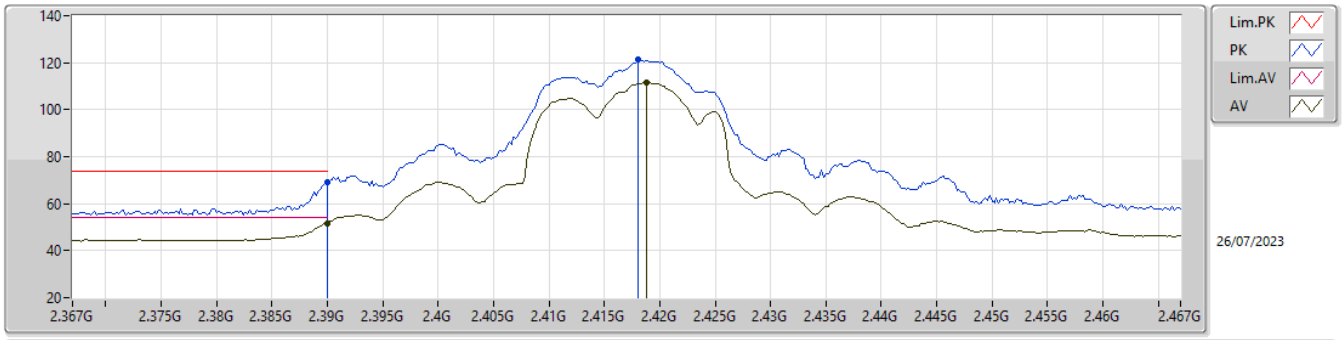
2412MHz_TX



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	4.82584G	45.07	54.00	-8.93	4.36	3	Horizontal	355	1.92	40.71	32.36	6.18	34.18
PK	4.8264G	58.91	74.00	-15.09	4.36	3	Horizontal	355	1.92	54.55	32.36	6.18	34.18

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

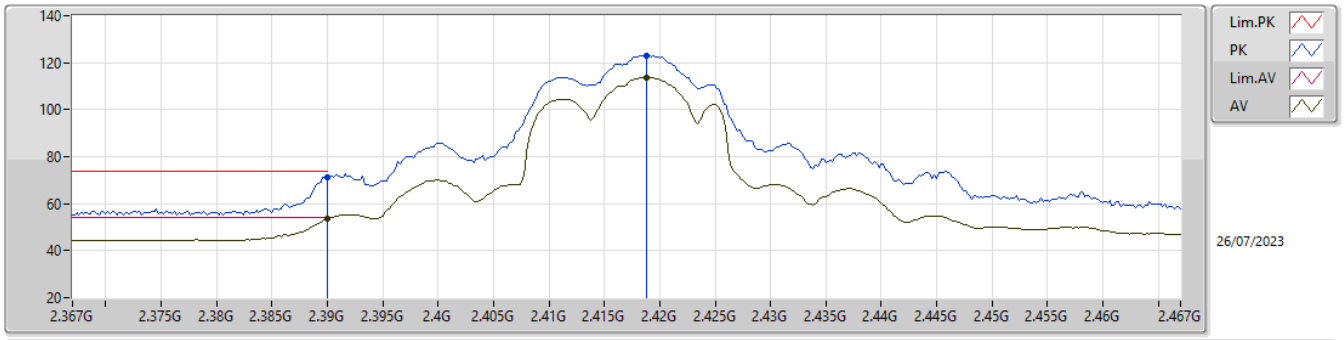
2417MHz_TX



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	51.77	54.00	-2.23	31.77	3	Vertical	16	1.07	20.00	27.52	4.25	-
AV	2.4188G	111.45	Inf	-Inf	31.91	3	Vertical	16	1.07	79.54	27.64	4.27	-
PK	2.39G	69.10	74.00	-4.90	31.77	3	Vertical	16	1.07	37.33	27.52	4.25	-
PK	2.418G	121.17	Inf	-Inf	31.91	3	Vertical	16	1.07	89.26	27.64	4.27	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

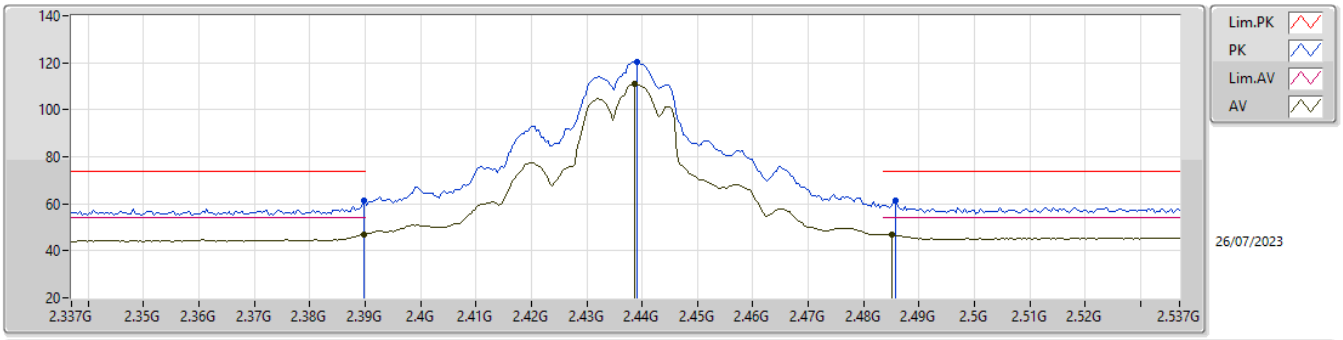
2417MHz_TX



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	53.56	54.00	-0.44	31.77	3	Horizontal	64	1.25	21.79	27.52	4.25	-
AV	2.4188G	113.79	Inf	-Inf	31.91	3	Horizontal	64	1.25	81.88	27.64	4.27	-
PK	2.39G	71.19	74.00	-2.81	31.77	3	Horizontal	64	1.25	39.42	27.52	4.25	-
PK	2.4188G	122.93	Inf	-Inf	31.91	3	Horizontal	64	1.25	91.02	27.64	4.27	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

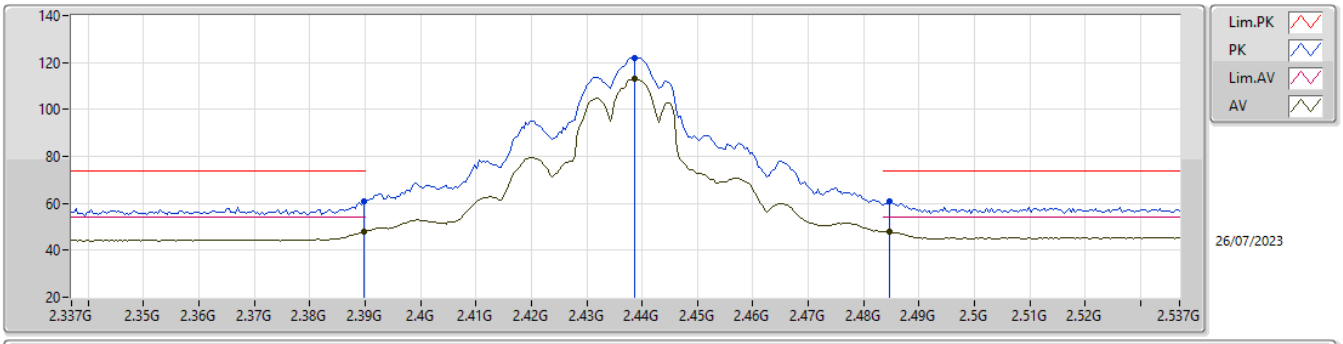
2437MHz_TX



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	47.13	54.00	-6.87	31.77	3	Vertical	16	1.16	15.36	27.52	4.25	-
AV	2.4386G	110.82	Inf	-Inf	31.96	3	Vertical	16	1.16	78.86	27.68	4.28	-
AV	2.485G	46.83	54.00	-7.17	32.15	3	Vertical	16	1.16	14.68	27.84	4.31	-
PK	2.3898G	61.28	74.00	-12.72	31.77	3	Vertical	16	1.16	29.51	27.52	4.25	-
PK	2.439G	120.13	Inf	-Inf	31.96	3	Vertical	16	1.16	88.17	27.68	4.28	-
PK	2.4858G	61.44	74.00	-12.56	32.15	3	Vertical	16	1.16	29.29	27.84	4.31	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

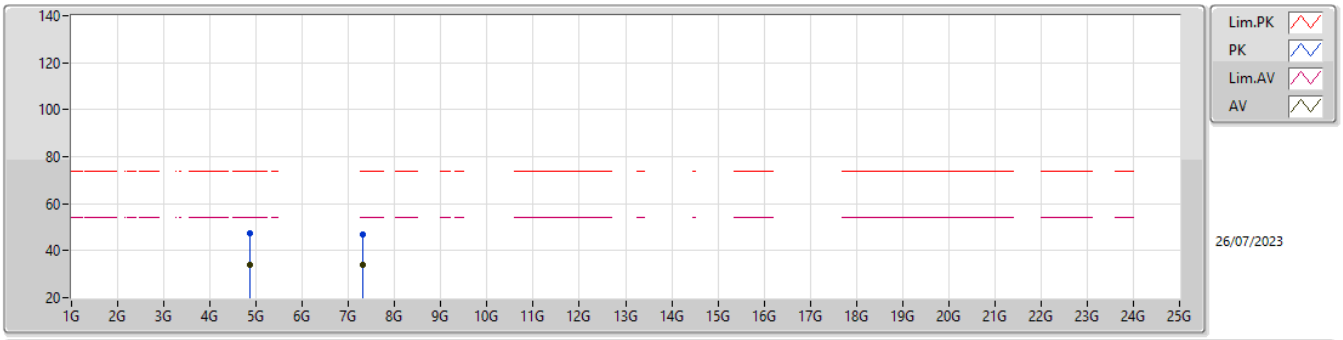
2437MHz_TX



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	48.13	54.00	-5.87	31.77	3	Horizontal	65	1.31	16.36	27.52	4.25	-
AV	2.4386G	113.12	Inf	-Inf	31.96	3	Horizontal	65	1.31	81.16	27.68	4.28	-
AV	2.4846G	48.01	54.00	-5.99	32.15	3	Horizontal	65	1.31	15.86	27.84	4.31	-
PK	2.3898G	60.87	74.00	-13.13	31.77	3	Horizontal	65	1.31	29.10	27.52	4.25	-
PK	2.4386G	122.10	Inf	-Inf	31.96	3	Horizontal	65	1.31	90.14	27.68	4.28	-
PK	2.4846G	60.91	74.00	-13.09	32.15	3	Horizontal	65	1.31	28.76	27.84	4.31	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

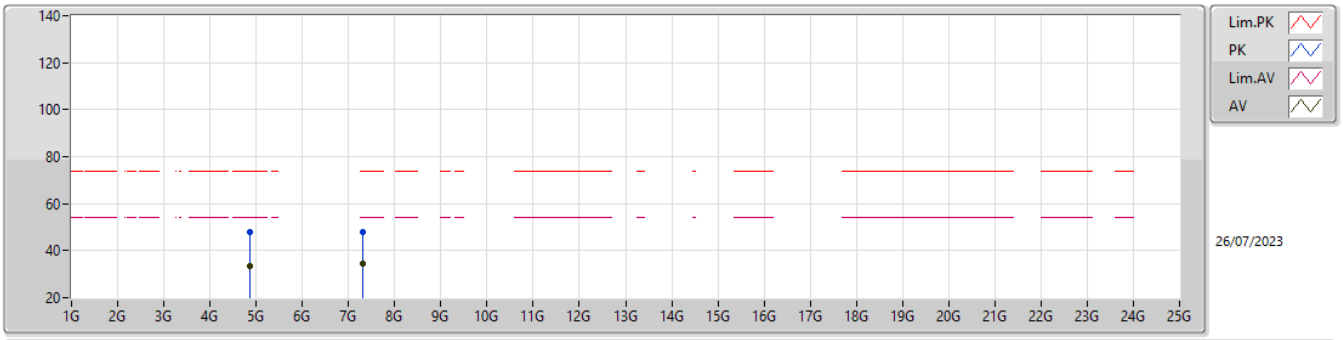
2437MHz_TX



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	4.87392G	33.85	54.00	-20.15	4.64	3	Vertical	26	2.35	29.21	32.60	6.21	34.17
AV	7.30176G	33.87	54.00	-20.13	10.08	3	Vertical	348	2.27	23.79	36.79	7.79	34.50
PK	4.87508G	47.16	74.00	-26.84	4.65	3	Vertical	26	2.35	42.51	32.60	6.21	34.16
PK	7.31348G	46.64	74.00	-27.36	10.05	3	Vertical	348	2.27	36.59	36.75	7.80	34.50

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

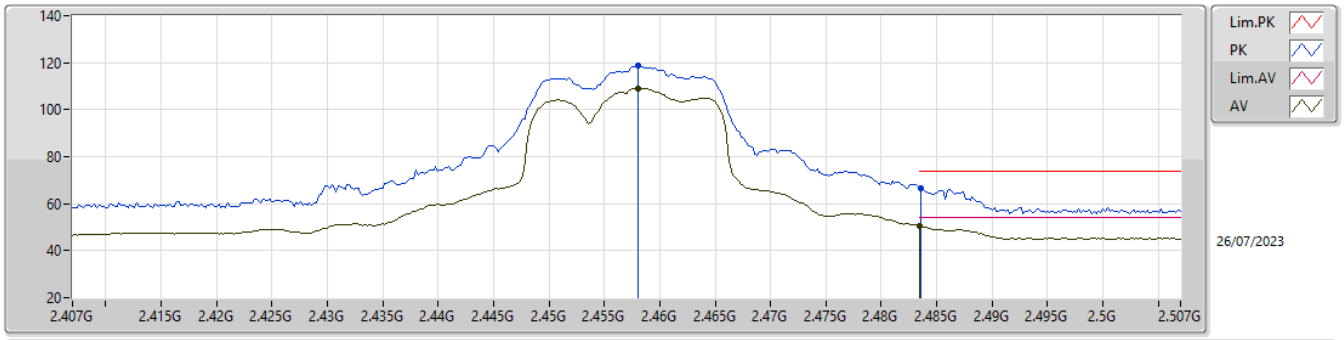
2437MHz_TX



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	4.87044G	33.53	54.00	-20.47	4.62	3	Horizontal	0	1.50	28.91	32.58	6.21	34.17
AV	7.31356G	34.42	54.00	-19.58	10.05	3	Horizontal	60	1.41	24.37	36.75	7.80	34.50
PK	4.86972G	47.68	74.00	-26.32	4.62	3	Horizontal	0	1.50	43.06	32.58	6.21	34.17
PK	7.31604G	47.89	74.00	-26.11	10.04	3	Horizontal	60	1.41	37.85	36.74	7.80	34.50

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

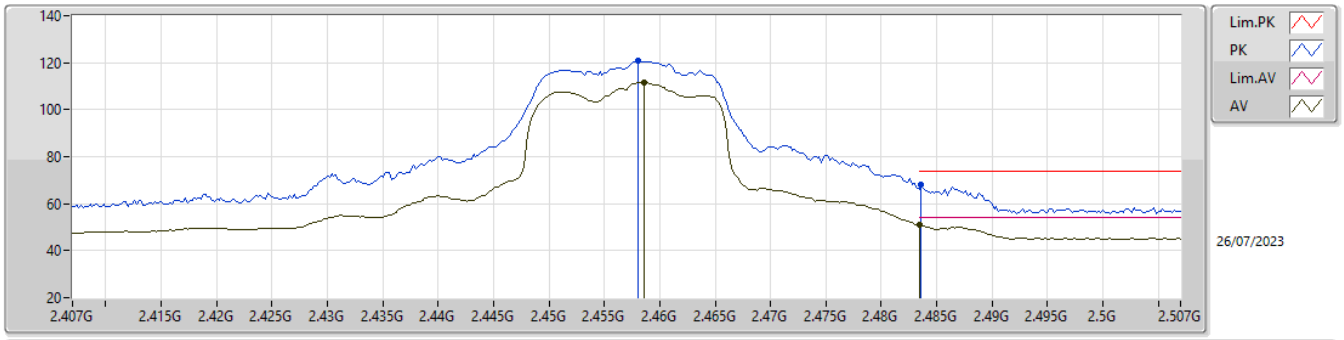
2457MHz_TX



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	2.458G	109.12	Inf	-Inf	32.02	3	Vertical	4	1.09	77.10	27.73	4.29	-
AV	2.4835G	50.42	54.00	-3.58	32.14	3	Vertical	4	1.09	18.28	27.83	4.31	-
PK	2.458G	118.84	Inf	-Inf	32.02	3	Vertical	4	1.09	86.82	27.73	4.29	-
PK	2.4836G	66.79	74.00	-7.21	32.14	3	Vertical	4	1.09	34.65	27.83	4.31	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

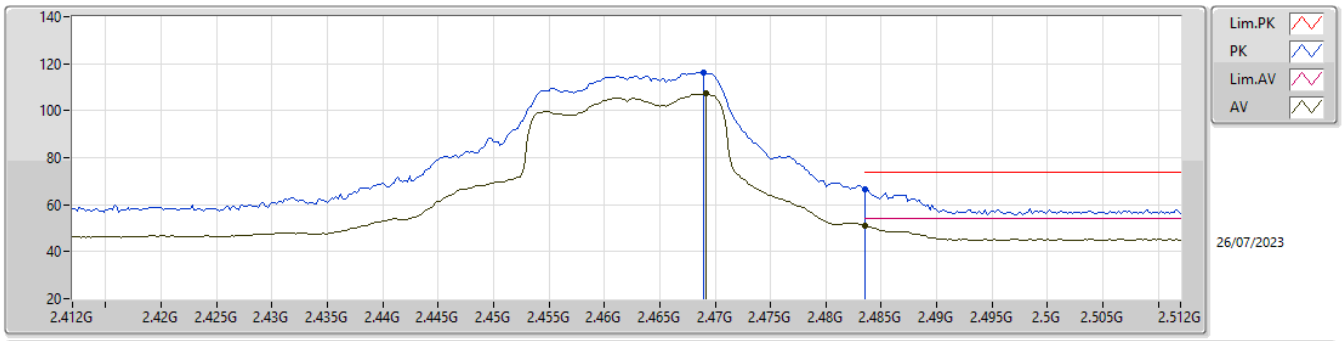
2457MHz_TX



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	2.4586G	111.36	Inf	-Inf	32.03	3	Horizontal	339	1.09	79.33	27.73	4.30	-
AV	2.4835G	50.87	54.00	-3.13	32.14	3	Horizontal	339	1.09	18.73	27.83	4.31	-
PK	2.458G	120.68	Inf	-Inf	32.02	3	Horizontal	339	1.09	88.66	27.73	4.29	-
PK	2.4836G	67.96	74.00	-6.04	32.14	3	Horizontal	339	1.09	35.82	27.83	4.31	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

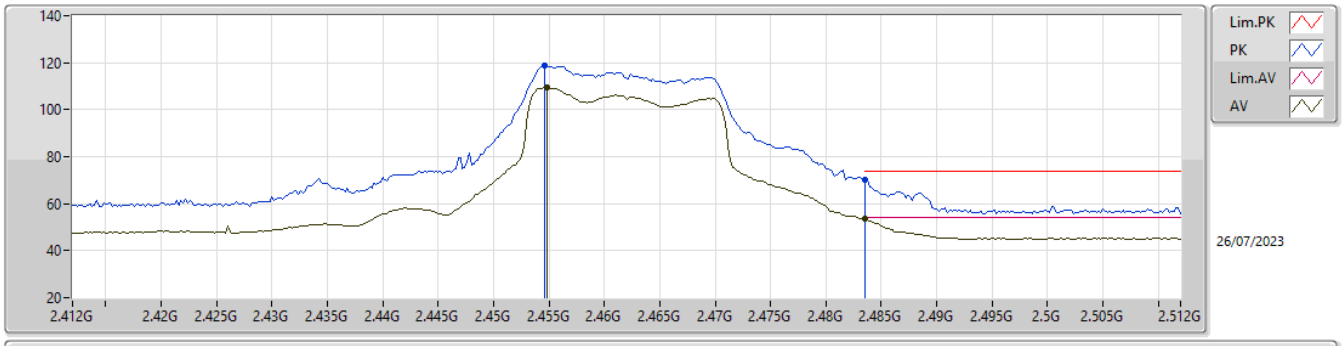
2462MHz_TX



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	2.4692G	107.27	Inf	-Inf	32.08	3	Vertical	357	3.00	75.19	27.78	4.30	-
AV	2.4835G	51.29	54.00	-2.71	32.14	3	Vertical	357	3.00	19.15	27.83	4.31	-
PK	2.469G	116.25	Inf	-Inf	32.08	3	Vertical	357	3.00	84.17	27.78	4.30	-
PK	2.4835G	66.76	74.00	-7.24	32.14	3	Vertical	357	3.00	34.62	27.83	4.31	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

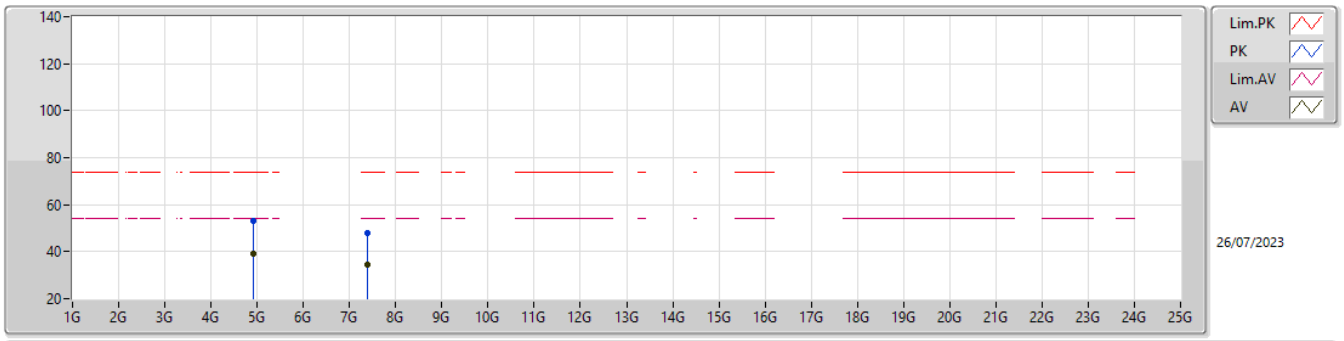
2462MHz_TX



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	2.4548G	109.57	Inf	-Inf	32.01	3	Horizontal	320	1.50	77.56	27.72	4.29	-
AV	2.4835G	53.42	54.00	-0.58	32.14	3	Horizontal	320	1.50	21.28	27.83	4.31	-
PK	2.4546G	118.54	Inf	-Inf	32.01	3	Horizontal	320	1.50	86.53	27.72	4.29	-
PK	2.4835G	70.20	74.00	-3.80	32.14	3	Horizontal	320	1.50	38.06	27.83	4.31	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

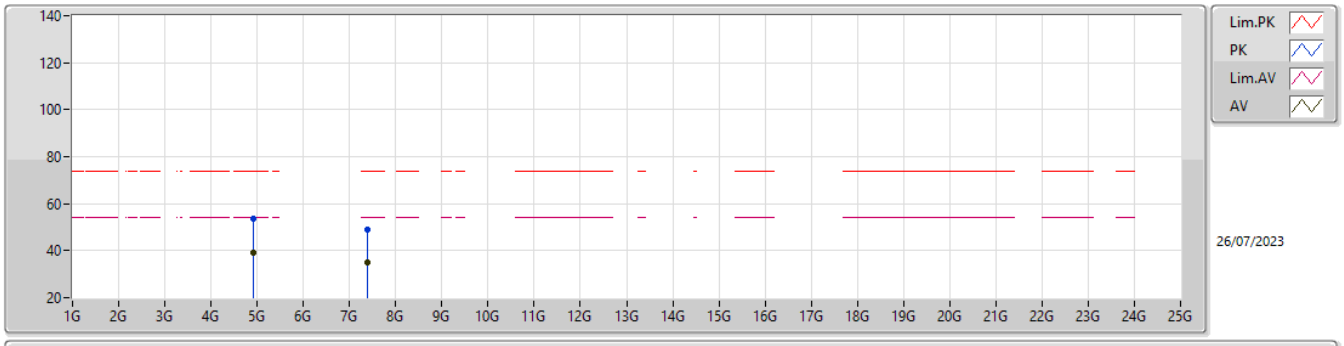
2462MHz_TX



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	4.92454G	39.17	54.00	-14.83	4.95	3	Vertical	29	2.58	34.22	32.85	6.25	34.15
AV	7.38544G	34.62	54.00	-19.38	9.79	3	Vertical	159	1.50	24.83	36.46	7.84	34.51
PK	4.9246G	52.91	74.00	-21.09	4.95	3	Vertical	29	2.58	47.96	32.85	6.25	34.15
PK	7.38552G	47.95	74.00	-26.05	9.79	3	Vertical	159	1.50	38.16	36.46	7.84	34.51

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

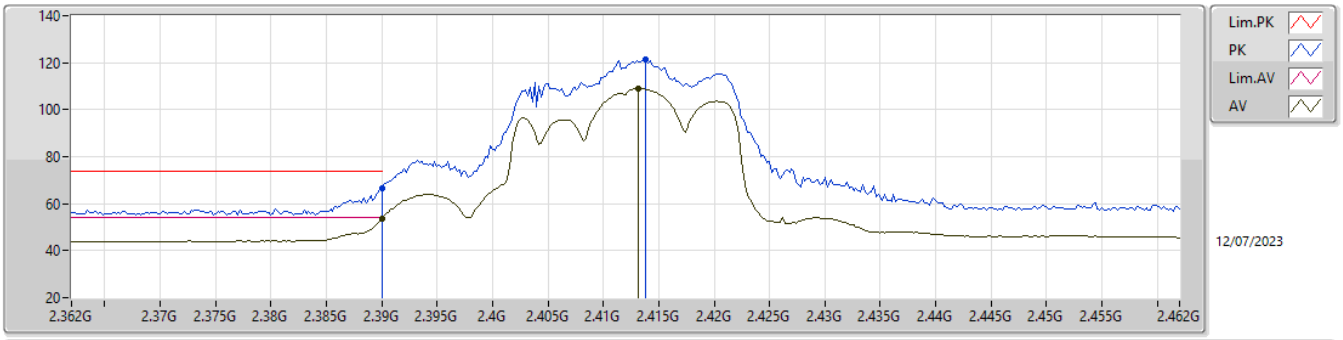
2462MHz_TX



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	4.92016G	39.37	54.00	-14.63	4.91	3	Horizontal	1	1.50	34.46	32.82	6.24	34.15
AV	7.38462G	35.18	54.00	-18.82	9.79	3	Horizontal	57	3.00	25.39	36.46	7.84	34.51
PK	4.9201G	53.53	74.00	-20.47	4.91	3	Horizontal	1	1.50	48.62	32.82	6.24	34.15
PK	7.38468G	48.87	74.00	-25.13	9.79	3	Horizontal	57	3.00	39.08	36.46	7.84	34.51

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

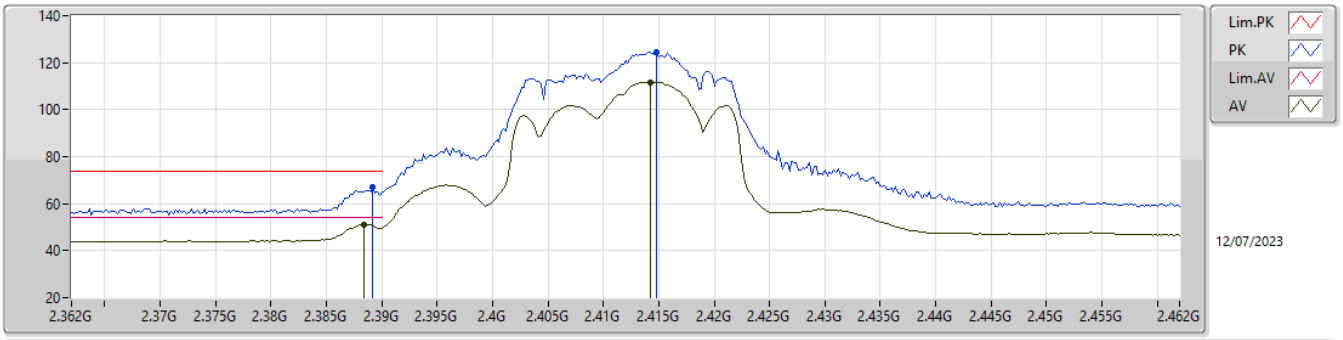
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.60	54.00	-0.40	31.77	3	Vertical	10	1.08	21.83	27.52	4.25	-
AV	2.4132G	109.01	Inf	-Inf	31.90	3	Vertical	10	1.08	77.11	27.63	4.27	-
PK	2.39G	66.31	74.00	-7.69	31.77	3	Vertical	10	1.08	34.54	27.52	4.25	-
PK	2.4138G	121.21	Inf	-Inf	31.90	3	Vertical	10	1.08	89.31	27.63	4.27	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

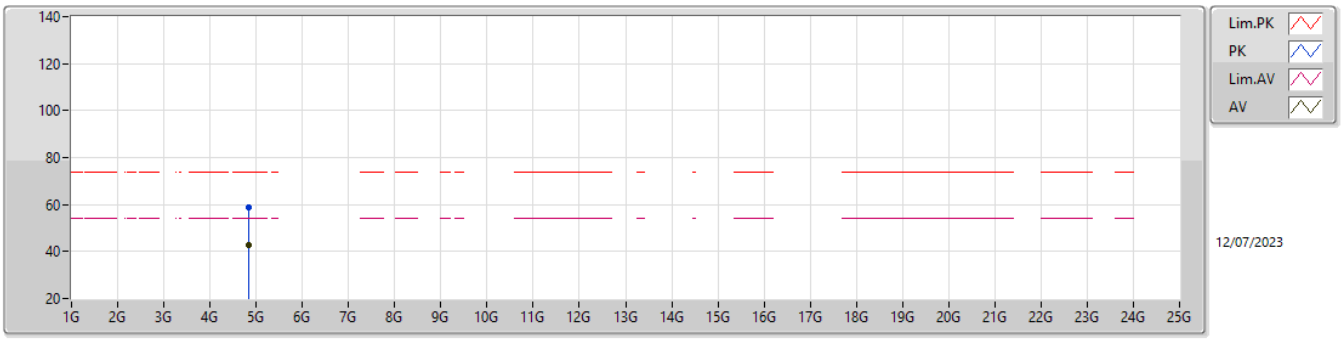
2412MHz_TX



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	2.3884G	51.12	54.00	-2.88	31.76	3	Horizontal	61	2.10	19.36	27.51	4.25	-
AV	2.4142G	111.73	Inf	-Inf	31.90	3	Horizontal	61	2.10	79.83	27.63	4.27	-
PK	2.3892G	67.02	74.00	-6.98	31.76	3	Horizontal	61	2.10	35.26	27.51	4.25	-
PK	2.4148G	124.69	Inf	-Inf	31.90	3	Horizontal	61	2.10	92.79	27.63	4.27	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

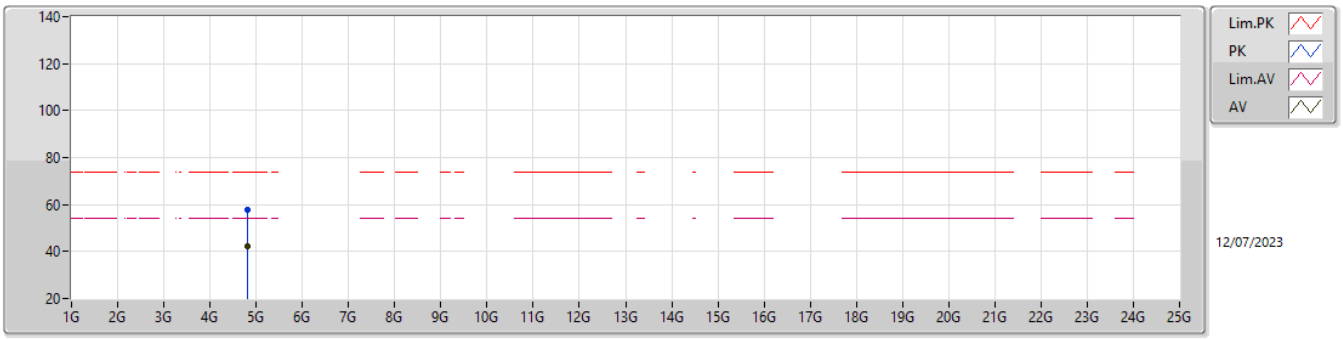
2412MHz_TX



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	4.82526G	42.80	54.00	-11.20	4.35	3	Vertical	1	1.06	38.45	32.35	6.18	34.18
PK	4.82496G	58.97	74.00	-15.03	4.35	3	Vertical	1	1.06	54.62	32.35	6.18	34.18

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

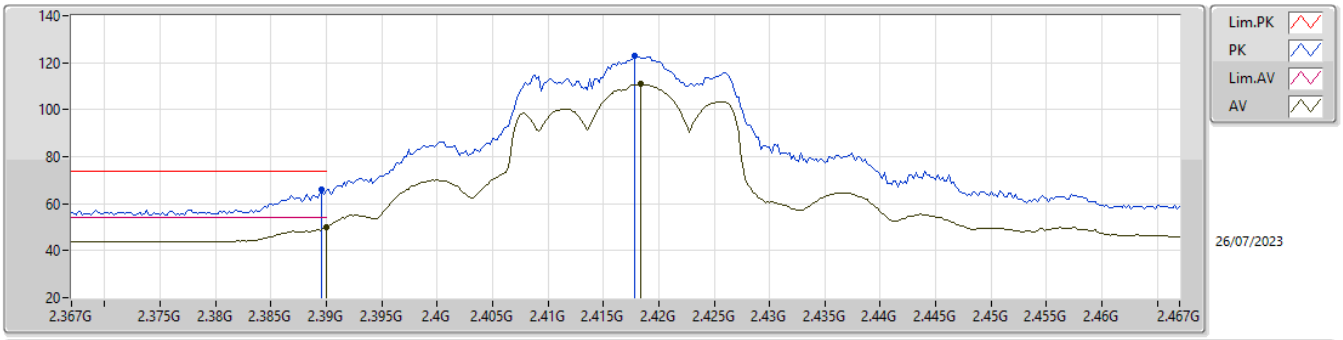
2412MHz_TX



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	4.82118G	42.46	54.00	-11.54	4.32	3	Horizontal	44	2.16	38.14	32.33	6.17	34.18
PK	4.82076G	57.72	74.00	-16.28	4.31	3	Horizontal	44	2.16	53.41	32.32	6.17	34.18

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

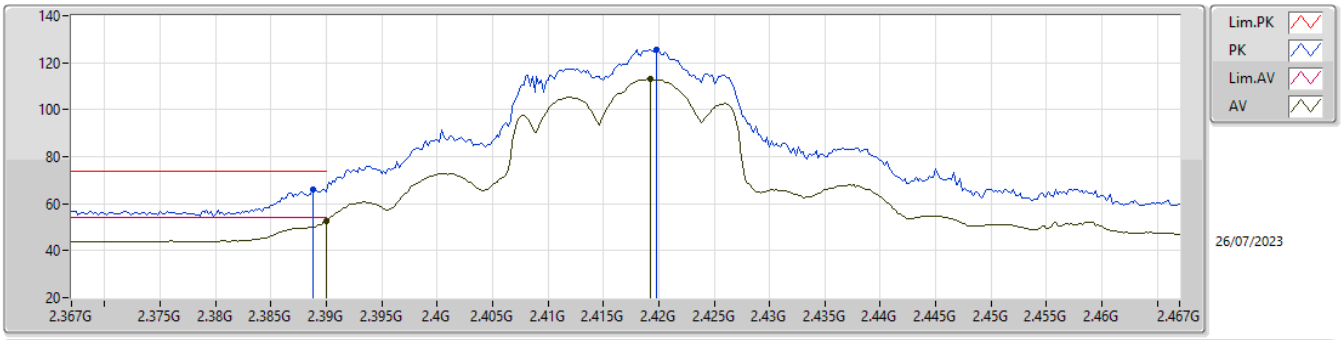
2417MHz_TX



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	49.84	54.00	-4.16	31.77	3	Vertical	12	1.08	18.07	27.52	4.25	-
AV	2.4184G	110.86	Inf	-Inf	31.91	3	Vertical	12	1.08	78.95	27.64	4.27	-
PK	2.3896G	65.87	74.00	-8.13	31.77	3	Vertical	12	1.08	34.10	27.52	4.25	-
PK	2.4178G	122.82	Inf	-Inf	31.91	3	Vertical	12	1.08	90.91	27.64	4.27	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

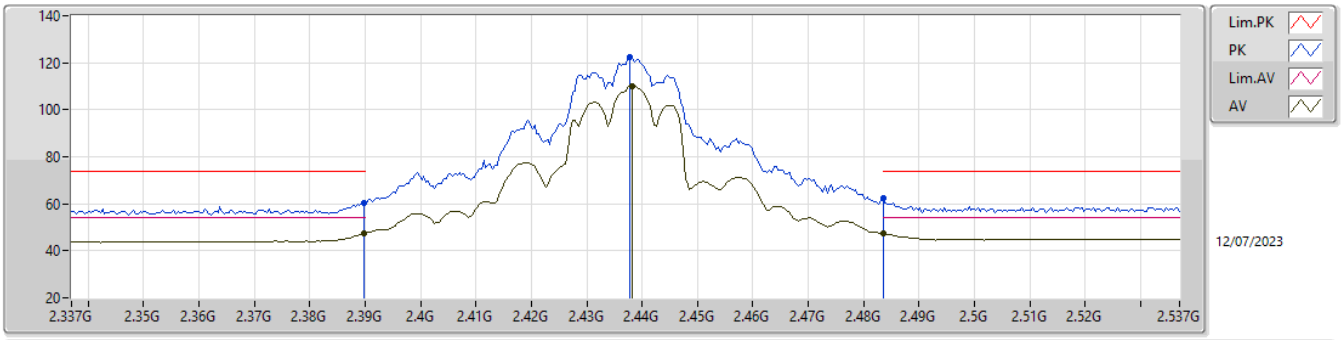
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.84	54.00	-1.16	31.77	3	Horizontal	58	1.91	21.07	27.52	4.25	-
AV	2.4192G	112.99	Inf	-Inf	31.91	3	Horizontal	58	1.91	81.08	27.64	4.27	-
PK	2.3888G	66.20	74.00	-7.80	31.76	3	Horizontal	58	1.91	34.44	27.51	4.25	-
PK	2.4198G	125.63	Inf	-Inf	31.91	3	Horizontal	58	1.91	93.72	27.64	4.27	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

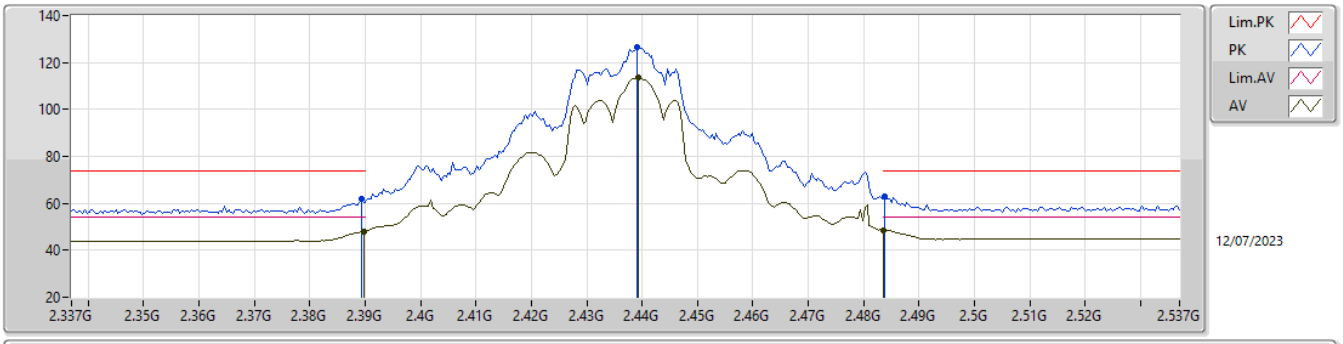
2437MHz_TX



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	47.23	54.00	-6.77	31.77	3	Vertical	8	1.21	15.46	27.52	4.25	-
AV	2.4382G	110.06	Inf	-Inf	31.96	3	Vertical	8	1.21	78.10	27.68	4.28	-
AV	2.4835G	47.51	54.00	-6.49	32.14	3	Vertical	8	1.21	15.37	27.83	4.31	-
PK	2.3898G	60.56	74.00	-13.44	31.77	3	Vertical	8	1.21	28.79	27.52	4.25	-
PK	2.4378G	122.28	Inf	-Inf	31.96	3	Vertical	8	1.21	90.32	27.68	4.28	-
PK	2.4835G	62.26	74.00	-11.74	32.14	3	Vertical	8	1.21	30.12	27.83	4.31	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

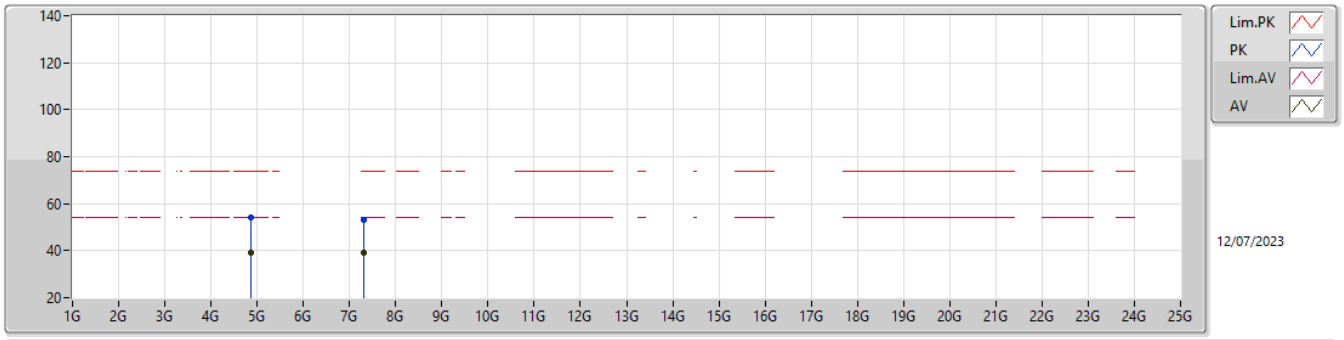
2437MHz_TX



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	47.89	54.00	-6.11	31.77	3	Horizontal	63	2.07	16.12	27.52	4.25	-
AV	2.4394G	113.40	Inf	-Inf	31.96	3	Horizontal	63	2.07	81.44	27.68	4.28	-
AV	2.4835G	48.57	54.00	-5.43	32.14	3	Horizontal	63	2.07	16.43	27.83	4.31	-
PK	2.3894G	61.73	74.00	-12.27	31.77	3	Horizontal	63	2.07	29.96	27.52	4.25	-
PK	2.439G	126.48	Inf	-Inf	31.96	3	Horizontal	63	2.07	94.52	27.68	4.28	-
PK	2.4838G	62.86	74.00	-11.14	32.15	3	Horizontal	63	2.07	30.71	27.84	4.31	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

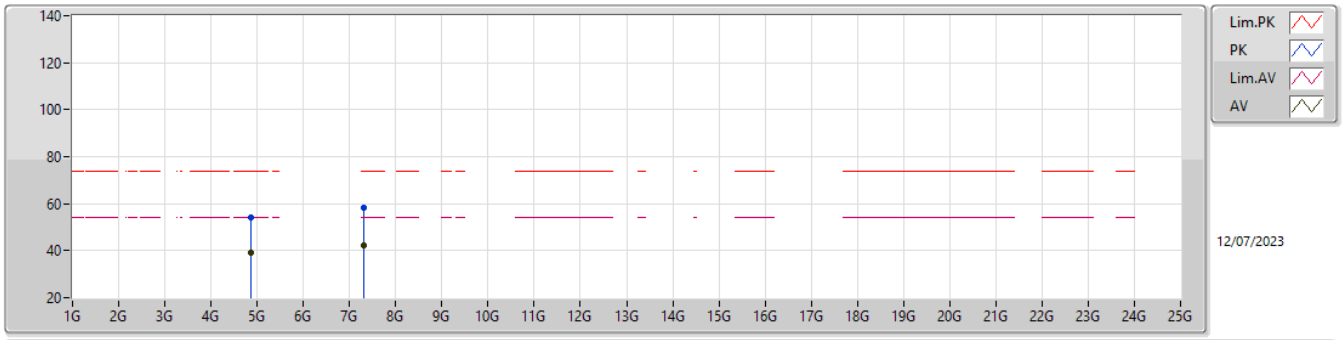
2437MHz_TX



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	4.8686G	39.20	54.00	-14.80	4.61	3	Vertical	27	1.50	34.59	32.57	6.21	34.17
AV	7.30308G	38.91	54.00	-15.09	10.08	3	Vertical	302	1.50	28.83	36.79	7.79	34.50
PK	4.868G	54.16	74.00	-19.84	4.61	3	Vertical	27	1.50	49.55	32.57	6.21	34.17
PK	7.30308G	53.26	74.00	-20.74	10.08	3	Vertical	302	1.50	43.18	36.79	7.79	34.50

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

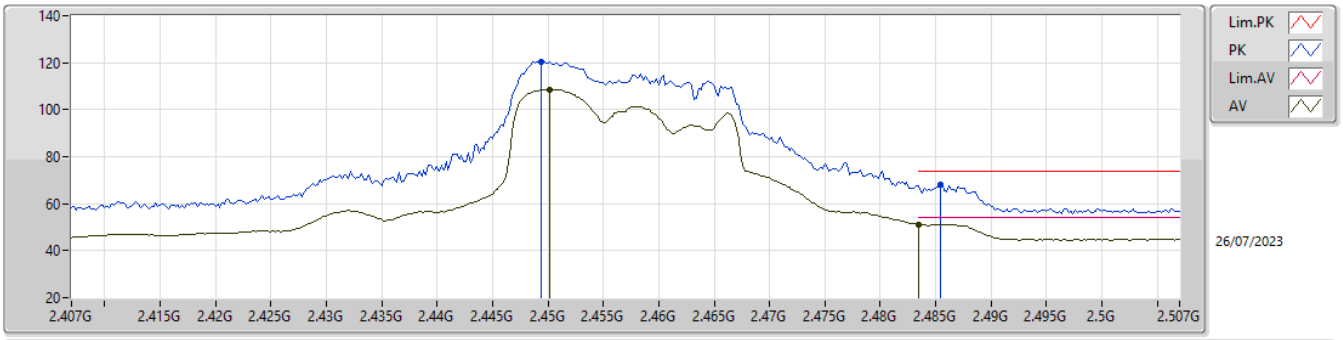
2437MHz_TX



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	4.8701G	38.96	54.00	-15.04	4.62	3	Horizontal	41	1.75	34.34	32.58	6.21	34.17
AV	7.30386G	42.38	54.00	-11.62	10.07	3	Horizontal	310	1.49	32.31	36.78	7.79	34.50
PK	4.871G	53.96	74.00	-20.04	4.62	3	Horizontal	41	1.75	49.34	32.58	6.21	34.17
PK	7.32012G	58.24	74.00	-15.76	10.02	3	Horizontal	310	1.49	48.22	36.72	7.80	34.50

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

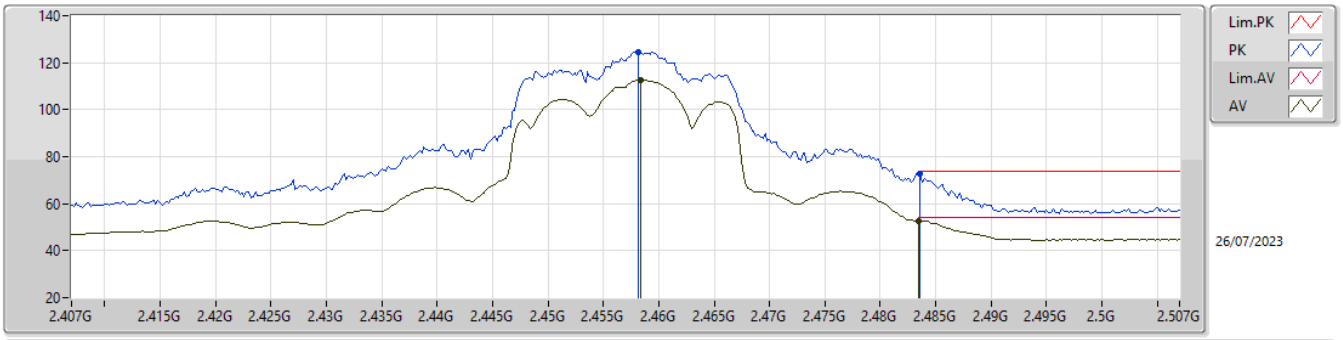
2457MHz_TX



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	2.4502G	108.70	Inf	-Inf	31.99	3	Vertical	356	1.50	76.71	27.70	4.29	-
AV	2.4835G	51.25	54.00	-2.75	32.14	3	Vertical	356	1.50	19.11	27.83	4.31	-
PK	2.4494G	120.55	Inf	-Inf	31.99	3	Vertical	356	1.50	88.56	27.70	4.29	-
PK	2.4854G	68.29	74.00	-5.71	32.15	3	Vertical	356	1.50	36.14	27.84	4.31	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

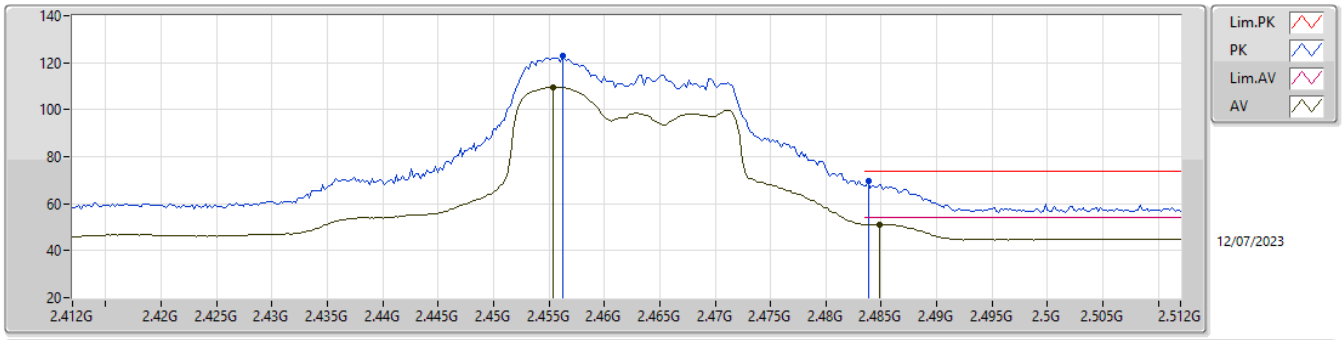
2457MHz_TX



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	2.4584G	112.59	Inf	-Inf	32.03	3	Horizontal	58	1.45	80.56	27.73	4.30	-
AV	2.4835G	52.76	54.00	-1.24	32.14	3	Horizontal	58	1.45	20.62	27.83	4.31	-
PK	2.4582G	124.57	Inf	-Inf	32.02	3	Horizontal	58	1.45	92.55	27.73	4.29	-
PK	2.4836G	73.01	74.00	-0.99	32.14	3	Horizontal	58	1.45	40.87	27.83	4.31	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

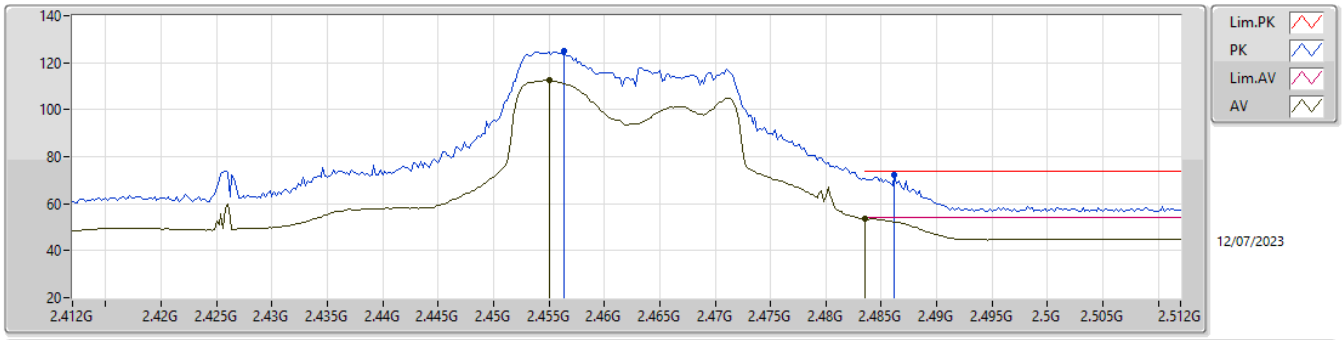
2462MHz_TX



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	2.4554G	109.44	Inf	-Inf	32.01	3	Vertical	360	1.87	77.43	27.72	4.29	-
AV	2.4848G	51.27	54.00	-2.73	32.15	3	Vertical	360	1.87	19.12	27.84	4.31	-
PK	2.4562G	122.88	Inf	-Inf	32.01	3	Vertical	360	1.87	90.87	27.72	4.29	-
PK	2.4838G	69.63	74.00	-4.37	32.15	3	Vertical	360	1.87	37.48	27.84	4.31	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

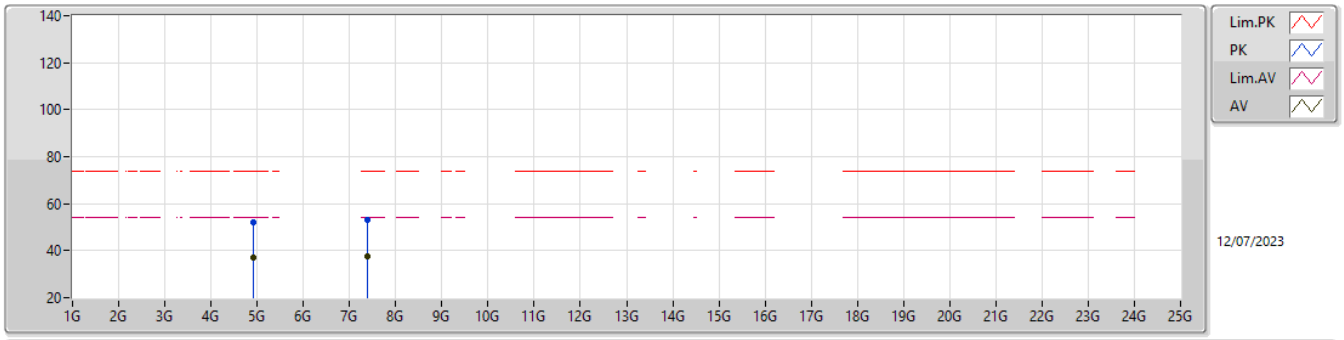
2462MHz_TX



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	2.455G	112.37	Inf	-Inf	32.01	3	Horizontal	324	1.28	80.36	27.72	4.29	-
AV	2.4835G	53.65	54.00	-0.35	32.14	3	Horizontal	324	1.28	21.51	27.83	4.31	-
PK	2.4564G	124.85	Inf	-Inf	32.02	3	Horizontal	324	1.28	92.83	27.73	4.29	-
PK	2.4862G	72.22	74.00	-1.78	32.15	3	Horizontal	324	1.28	40.07	27.84	4.31	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

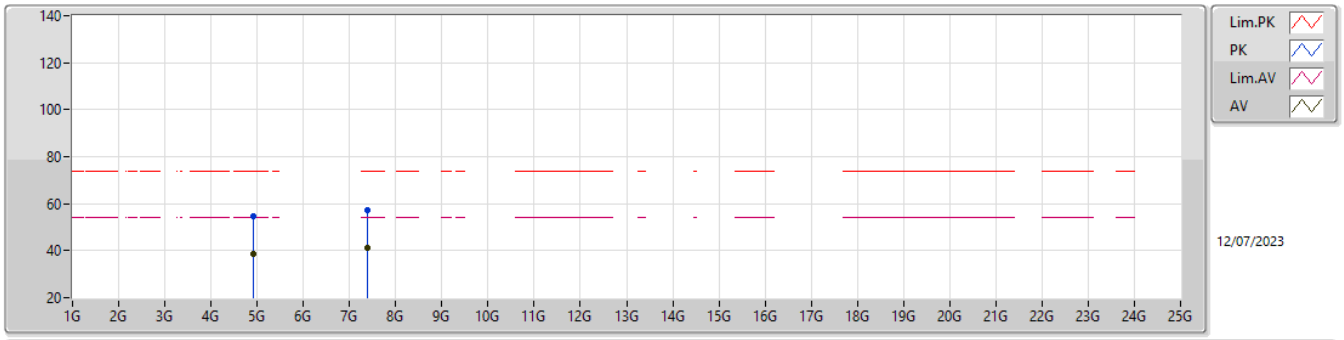
2462MHz_TX



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	4.9285G	36.91	54.00	-17.09	4.97	3	Vertical	360	1.62	31.94	32.87	6.25	34.15
AV	7.38978G	37.40	54.00	-16.60	9.77	3	Vertical	58	1.50	27.63	36.44	7.84	34.51
PK	4.92754G	52.03	74.00	-21.97	4.97	3	Vertical	360	1.62	47.06	32.87	6.25	34.15
PK	7.39152G	52.87	74.00	-21.13	9.76	3	Vertical	58	1.50	43.11	36.43	7.84	34.51

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

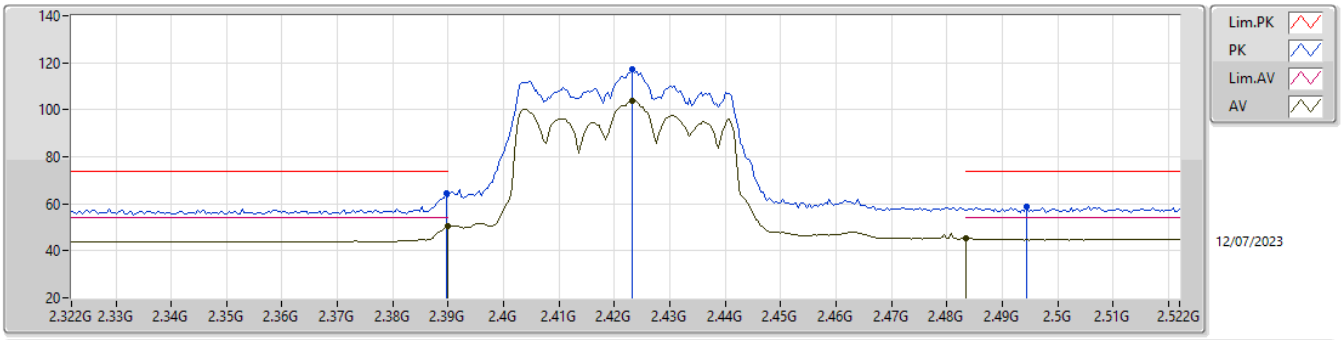
2462MHz_TX



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	4.9282G	38.77	54.00	-15.23	4.97	3	Horizontal	320	1.56	33.80	32.87	6.25	34.15
AV	7.39056G	40.98	54.00	-13.02	9.77	3	Horizontal	304	1.50	31.21	36.44	7.84	34.51
PK	4.92856G	54.82	74.00	-19.18	4.97	3	Horizontal	320	1.56	49.85	32.87	6.25	34.15
PK	7.39362G	57.17	74.00	-16.83	9.77	3	Horizontal	304	1.50	47.40	36.43	7.85	34.51

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

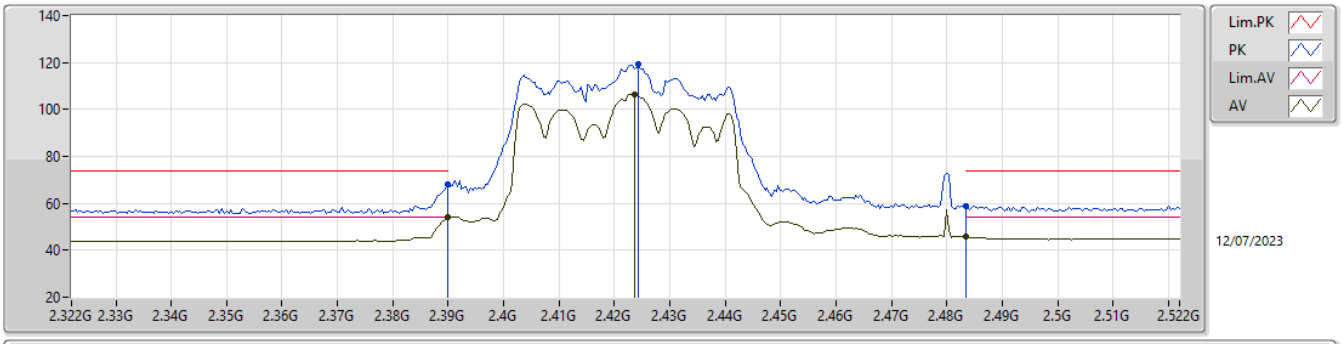
2422MHz_TX



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	2.39G	50.32	54.00	-3.68	31.77	3	Vertical	7	1.16	18.55	27.52	4.25	-
AV	2.4232G	103.96	Inf	-Inf	31.92	3	Vertical	7	1.16	72.04	27.65	4.27	-
AV	2.4835G	45.16	54.00	-8.84	32.14	3	Vertical	7	1.16	13.02	27.83	4.31	-
PK	2.3896G	64.30	74.00	-9.70	31.77	3	Vertical	7	1.16	32.53	27.52	4.25	-
PK	2.4232G	117.43	Inf	-Inf	31.92	3	Vertical	7	1.16	85.51	27.65	4.27	-
PK	2.4944G	58.72	74.00	-15.28	32.20	3	Vertical	7	1.16	26.52	27.88	4.32	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

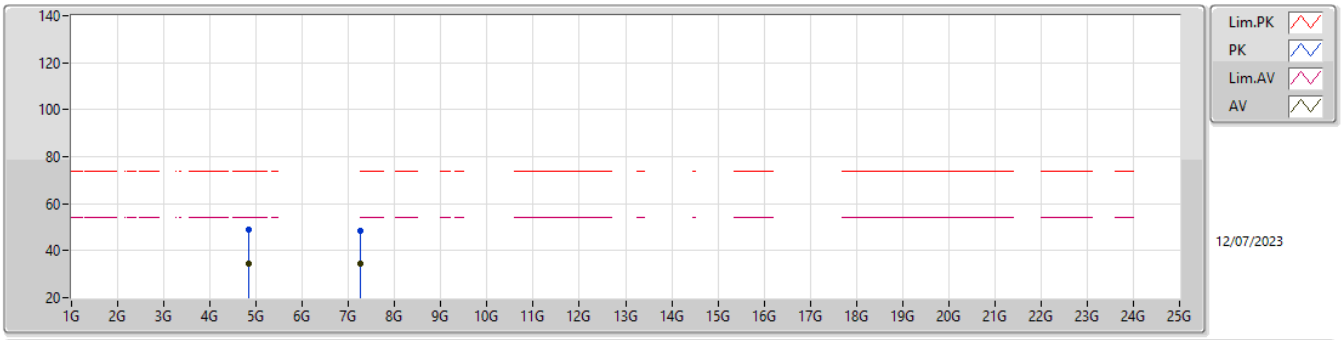
2422MHz_TX



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	2.39G	53.89	54.00	-0.11	31.77	3	Horizontal	61	1.49	22.12	27.52	4.25	-
AV	2.4236G	106.62	Inf	-Inf	31.92	3	Horizontal	61	1.49	74.70	27.65	4.27	-
AV	2.4835G	45.69	54.00	-8.31	32.14	3	Horizontal	61	1.49	13.55	27.83	4.31	-
PK	2.39G	68.36	74.00	-5.64	31.77	3	Horizontal	61	1.49	36.59	27.52	4.25	-
PK	2.4244G	119.09	Inf	-Inf	31.92	3	Horizontal	61	1.49	87.17	27.65	4.27	-
PK	2.4835G	58.81	74.00	-15.19	32.14	3	Horizontal	61	1.49	26.67	27.83	4.31	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

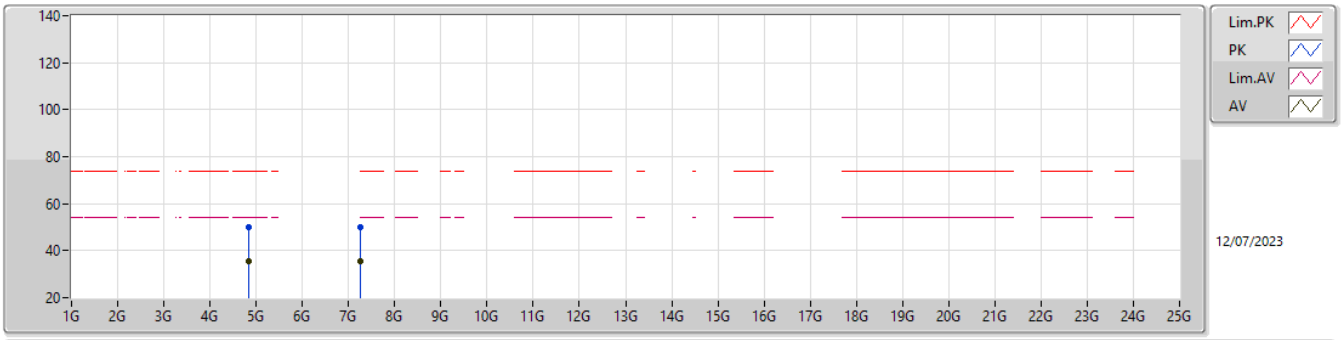
2422MHz_TX



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	4.8368G	34.46	54.00	-19.54	4.43	3	Vertical	20	1.52	30.03	32.42	6.19	34.18
AV	7.25808G	34.73	54.00	-19.27	10.24	3	Vertical	301	1.54	24.49	36.97	7.76	34.49
PK	4.83656G	48.94	74.00	-25.06	4.43	3	Vertical	20	1.52	44.51	32.42	6.19	34.18
PK	7.26756G	48.68	74.00	-25.32	10.21	3	Vertical	301	1.54	38.47	36.93	7.77	34.49

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

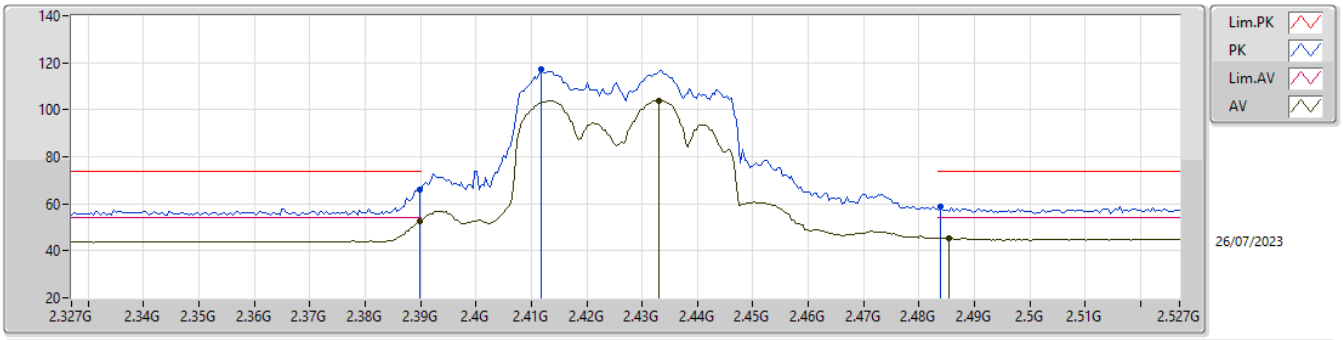
2422MHz_TX



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	4.82816G	35.29	54.00	-18.71	4.37	3	Horizontal	357	2.59	30.92	32.37	6.18	34.18
AV	7.25952G	35.73	54.00	-18.27	10.24	3	Horizontal	310	1.50	25.49	36.96	7.77	34.49
PK	4.82828G	49.84	74.00	-24.16	4.37	3	Horizontal	357	2.59	45.47	32.37	6.18	34.18
PK	7.26696G	49.84	74.00	-24.16	10.21	3	Horizontal	310	1.50	39.63	36.93	7.77	34.49

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

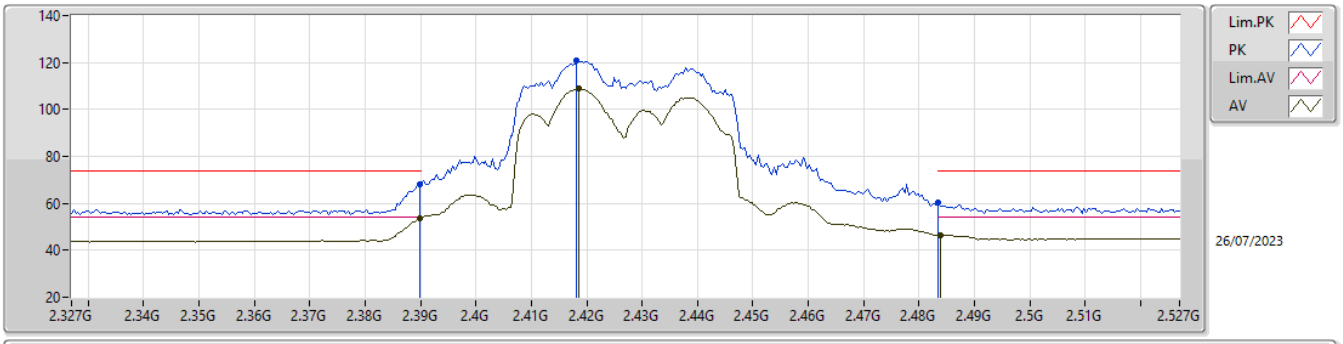
2427MHz_TX



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	52.66	54.00	-1.34	31.77	3	Vertical	355	2.82	20.89	27.52	4.25	-
AV	2.433G	103.82	Inf	-Inf	31.95	3	Vertical	355	2.82	71.87	27.67	4.28	-
AV	2.4854G	45.25	54.00	-8.75	32.15	3	Vertical	355	2.82	13.10	27.84	4.31	-
PK	2.3898G	66.14	74.00	-7.86	31.77	3	Vertical	355	2.82	34.37	27.52	4.25	-
PK	2.4118G	117.15	Inf	-Inf	31.89	3	Vertical	355	2.82	85.26	27.62	4.27	-
PK	2.4838G	58.68	74.00	-15.32	32.15	3	Vertical	355	2.82	26.53	27.84	4.31	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

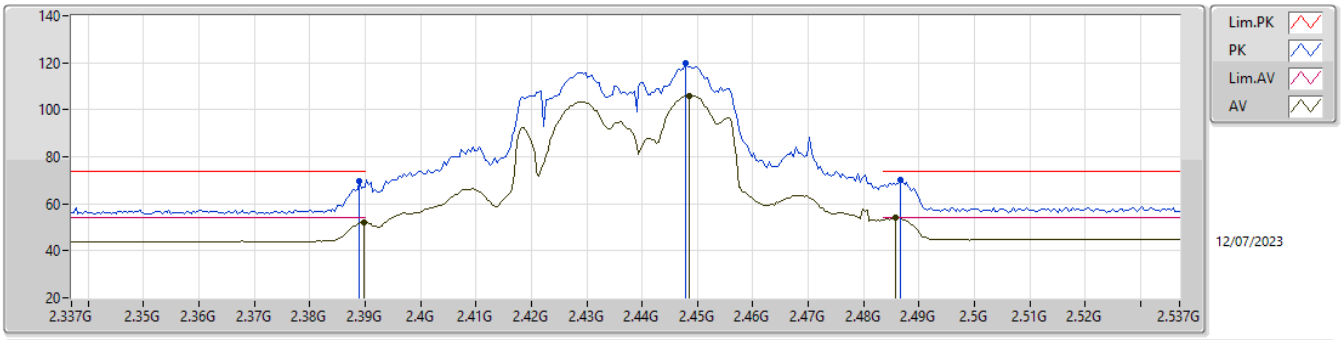
2427MHz_TX



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	53.44	54.00	-0.56	31.77	3	Horizontal	313	1.06	21.67	27.52	4.25	-
AV	2.4186G	108.72	Inf	-Inf	31.91	3	Horizontal	313	1.06	76.81	27.64	4.27	-
AV	2.4838G	46.55	54.00	-7.45	32.15	3	Horizontal	313	1.06	14.40	27.84	4.31	-
PK	2.3898G	68.08	74.00	-5.92	31.77	3	Horizontal	313	1.06	36.31	27.52	4.25	-
PK	2.4182G	120.67	Inf	-Inf	31.91	3	Horizontal	313	1.06	88.76	27.64	4.27	-
PK	2.4835G	60.12	74.00	-13.88	32.14	3	Horizontal	313	1.06	27.98	27.83	4.31	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

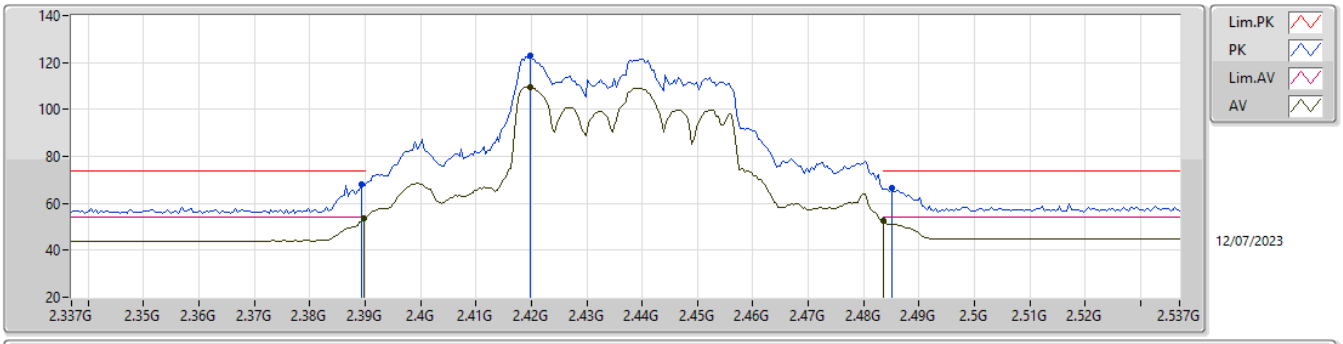
2437MHz_TX



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	52.15	54.00	-1.85	31.77	3	Vertical	345	1.11	20.38	27.52	4.25	-
AV	2.4486G	106.08	Inf	-Inf	31.99	3	Vertical	345	1.11	74.09	27.70	4.29	-
AV	2.4858G	53.92	54.00	-0.08	32.15	3	Vertical	345	1.11	21.77	27.84	4.31	-
PK	2.389G	69.58	74.00	-4.42	31.76	3	Vertical	345	1.11	37.82	27.51	4.25	-
PK	2.4478G	119.89	Inf	-Inf	31.99	3	Vertical	345	1.11	87.90	27.70	4.29	-
PK	2.4866G	70.22	74.00	-3.78	32.16	3	Vertical	345	1.11	38.06	27.85	4.31	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

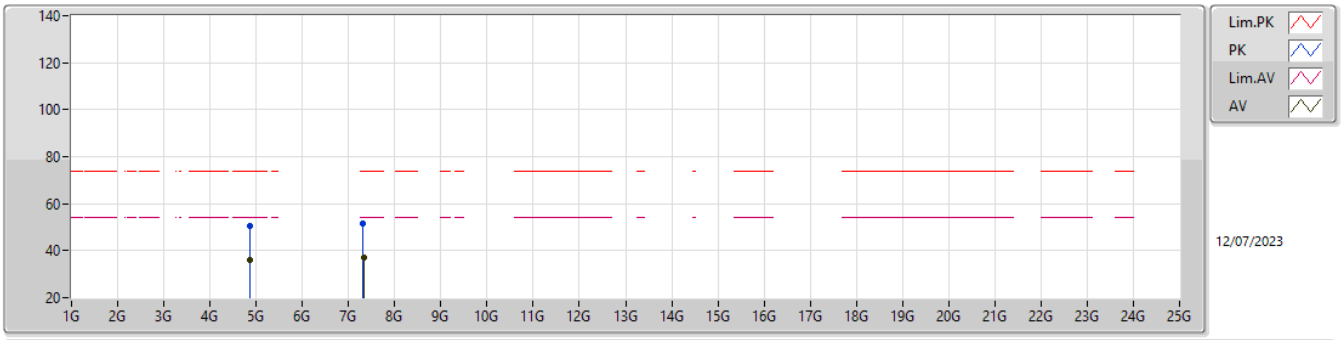
2437MHz_TX



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	53.51	54.00	-0.49	31.77	3	Horizontal	62	2.09	21.74	27.52	4.25	-
AV	2.4198G	109.62	Inf	-Inf	31.91	3	Horizontal	62	2.09	77.71	27.64	4.27	-
AV	2.4835G	52.50	54.00	-1.50	32.14	3	Horizontal	62	2.09	20.36	27.83	4.31	-
PK	2.3894G	68.09	74.00	-5.91	31.77	3	Horizontal	62	2.09	36.32	27.52	4.25	-
PK	2.4198G	122.69	Inf	-Inf	31.91	3	Horizontal	62	2.09	90.78	27.64	4.27	-
PK	2.485G	66.44	74.00	-7.56	32.15	3	Horizontal	62	2.09	34.29	27.84	4.31	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

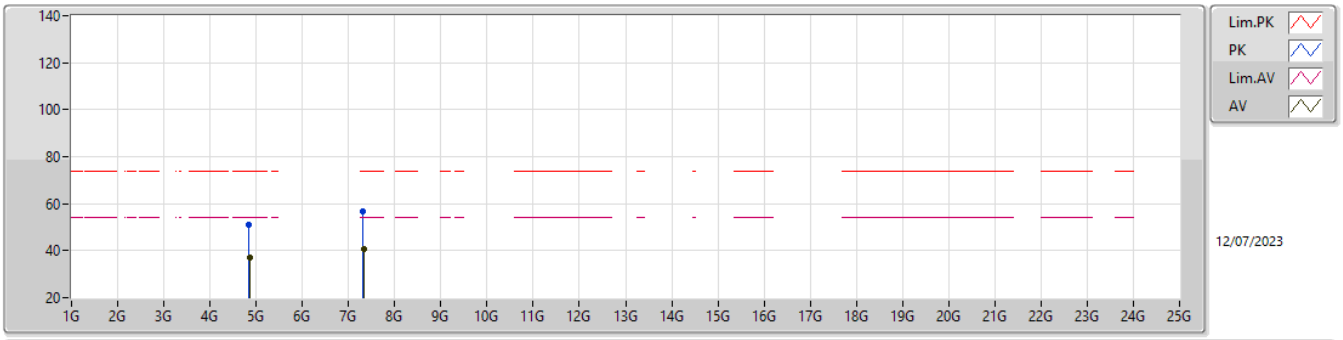
2437MHz_TX



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	4.86896G	36.10	54.00	-17.90	4.62	3	Vertical	29	1.50	31.48	32.58	6.21	34.17
AV	7.3236G	36.86	54.00	-17.14	10.01	3	Vertical	306	1.65	26.85	36.71	7.80	34.50
PK	4.86908G	50.55	74.00	-23.45	4.62	3	Vertical	29	1.50	45.93	32.58	6.21	34.17
PK	7.32192G	51.62	74.00	-22.38	10.01	3	Vertical	306	1.65	41.61	36.71	7.80	34.50

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

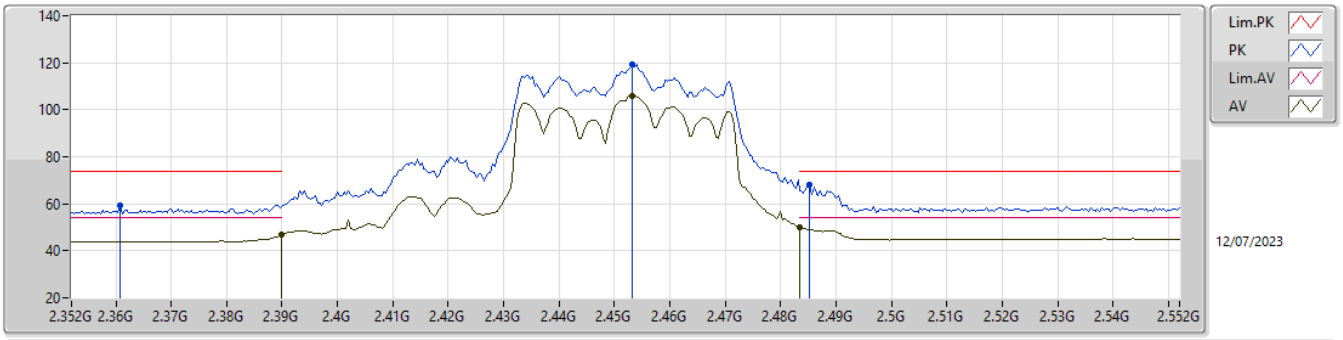
2437MHz_TX



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	4.86968G	36.93	54.00	-17.07	4.62	3	Horizontal	9	1.01	32.31	32.58	6.21	34.17
AV	7.32372G	40.45	54.00	-13.55	10.01	3	Horizontal	311	1.56	30.44	36.71	7.80	34.50
PK	4.84868G	51.09	74.00	-22.91	4.51	3	Horizontal	9	1.01	46.58	32.49	6.19	34.17
PK	7.29996G	56.89	74.00	-17.11	10.09	3	Horizontal	311	1.56	46.80	36.80	7.79	34.50

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

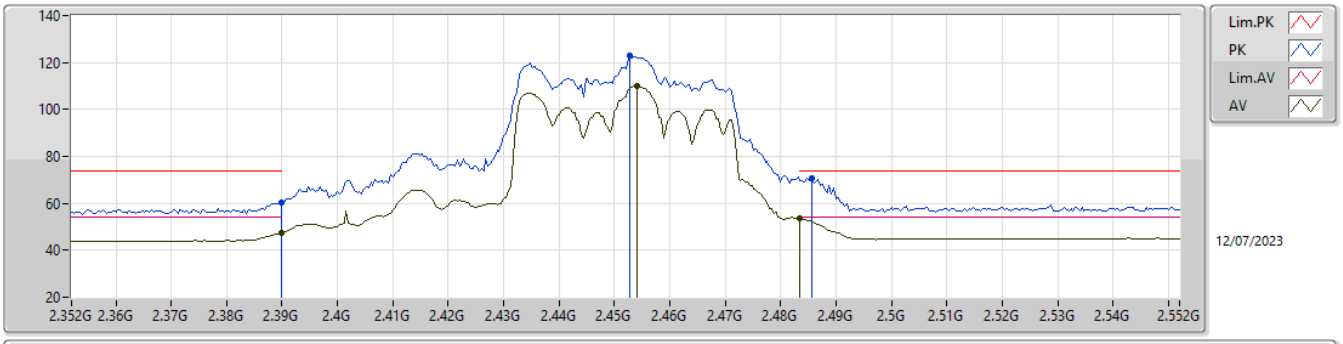
2452MHz_TX



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	2.39G	46.77	54.00	-7.23	31.77	3	Vertical	11	1.13	15.00	27.52	4.25	-
AV	2.4532G	106.10	Inf	-Inf	32.00	3	Vertical	11	1.13	74.10	27.71	4.29	-
AV	2.4835G	49.93	54.00	-4.07	32.14	3	Vertical	11	1.13	17.79	27.83	4.31	-
PK	2.3608G	59.20	74.00	-14.80	31.52	3	Vertical	11	1.13	27.68	27.29	4.23	-
PK	2.4532G	119.40	Inf	-Inf	32.00	3	Vertical	11	1.13	87.40	27.71	4.29	-
PK	2.4852G	68.33	74.00	-5.67	32.15	3	Vertical	11	1.13	36.18	27.84	4.31	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

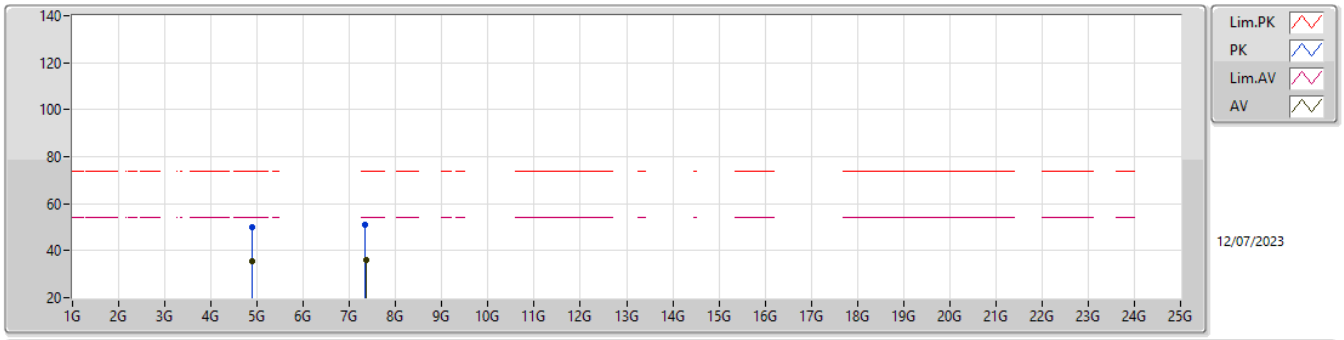
2452MHz_TX



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	2.39G	47.51	54.00	-6.49	31.77	3	Horizontal	64	2.04	15.74	27.52	4.25	-
AV	2.454G	109.96	Inf	-Inf	32.01	3	Horizontal	64	2.04	77.95	27.72	4.29	-
AV	2.4835G	53.48	54.00	-0.52	32.14	3	Horizontal	64	2.04	21.34	27.83	4.31	-
PK	2.39G	60.26	74.00	-13.74	31.77	3	Horizontal	64	2.04	28.49	27.52	4.25	-
PK	2.4528G	122.77	Inf	-Inf	32.00	3	Horizontal	64	2.04	90.77	27.71	4.29	-
PK	2.4856G	70.67	74.00	-3.33	32.15	3	Horizontal	64	2.04	38.52	27.84	4.31	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

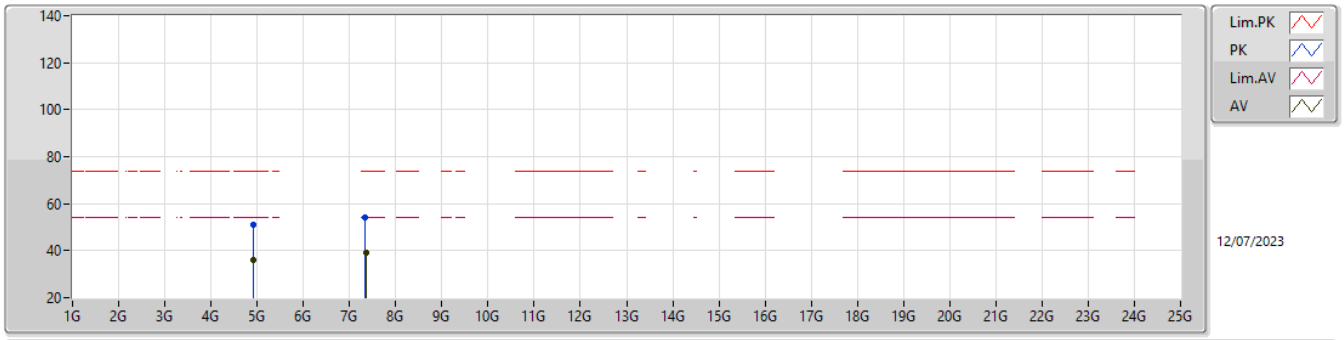
2452MHz_TX



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	4.89812G	35.60	54.00	-18.40	4.76	3	Vertical	20	1.55	30.84	32.69	6.23	34.16
AV	7.36404G	36.18	54.00	-17.82	9.87	3	Vertical	43	2.42	26.31	36.54	7.83	34.50
PK	4.89692G	50.05	74.00	-23.95	4.76	3	Vertical	20	1.55	45.29	32.69	6.23	34.16
PK	7.34592G	50.99	74.00	-23.01	9.94	3	Vertical	43	2.42	41.05	36.62	7.82	34.50

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

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	4.90664G	35.83	54.00	-18.17	4.82	3	Horizontal	351	2.20	31.01	32.74	6.23	34.15
AV	7.35036G	39.04	54.00	-14.96	9.92	3	Horizontal	307	1.50	29.12	36.60	7.82	34.50
PK	4.90748G	50.80	74.00	-23.20	4.83	3	Horizontal	351	2.20	45.97	32.74	6.24	34.15
PK	7.347G	54.38	74.00	-19.62	9.93	3	Horizontal	307	1.50	44.45	36.61	7.82	34.50

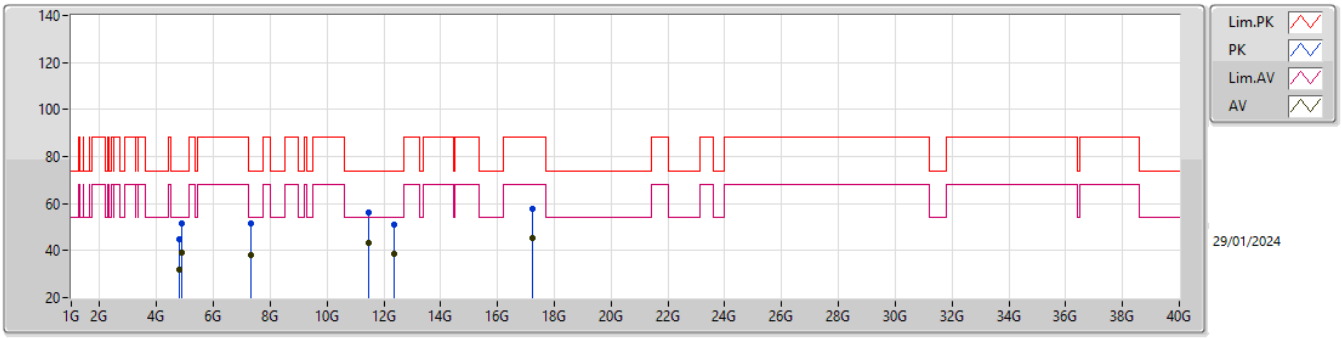
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	11.48856G	43.45	54.00	-10.55	Horizontal
Mode 2	Pass	AV	11.49G	43.22	54.00	-10.78	Horizontal

Result

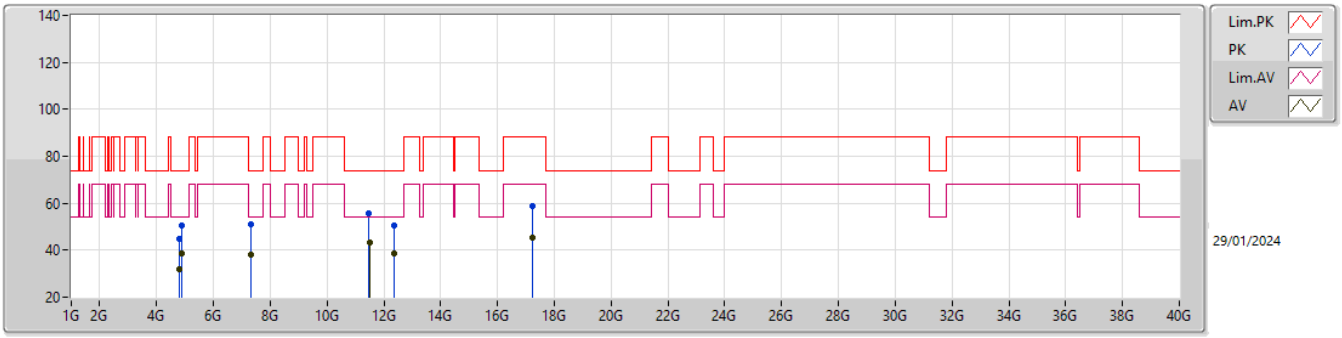
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	4.79374G	31.96	54.00	-22.04	3	Vertical	28	2.32
Mode 1	Pass	AV	4.87274G	38.89	54.00	-15.11	3	Vertical	241	2.42
Mode 1	Pass	AV	7.31312G	37.94	54.00	-16.06	3	Vertical	271	1.95
Mode 1	Pass	AV	11.47674G	43.44	54.00	-10.56	3	Vertical	211	1.50
Mode 1	Pass	AV	12.37896G	38.70	54.00	-15.30	3	Vertical	170	1.50
Mode 1	Pass	AV	17.24484G	45.34	68.20	-22.86	3	Vertical	54	1.50
Mode 1	Pass	PK	4.80208G	44.79	74.00	-29.21	3	Vertical	28	2.32
Mode 1	Pass	PK	4.87322G	51.30	74.00	-22.70	3	Vertical	241	2.42
Mode 1	Pass	PK	7.30436G	51.30	74.00	-22.70	3	Vertical	271	1.95
Mode 1	Pass	PK	11.48364G	56.44	74.00	-17.56	3	Vertical	211	1.50
Mode 1	Pass	PK	12.37468G	50.98	74.00	-23.02	3	Vertical	170	1.50
Mode 1	Pass	PK	17.23244G	57.98	88.20	-30.22	3	Vertical	54	1.50
Mode 1	Pass	AV	4.80324G	31.88	54.00	-22.12	3	Horizontal	2	1.50
Mode 1	Pass	AV	4.87376G	38.83	54.00	-15.17	3	Horizontal	208	3.00
Mode 1	Pass	AV	7.31256G	37.92	54.00	-16.08	3	Horizontal	22	1.26
Mode 1	Pass	AV	11.48856G	43.45	54.00	-10.55	3	Horizontal	257	2.40
Mode 1	Pass	AV	12.3798G	38.65	54.00	-15.35	3	Horizontal	250	2.53
Mode 1	Pass	AV	17.22708G	45.34	68.20	-22.86	3	Horizontal	275	1.50
Mode 1	Pass	PK	4.80624G	44.87	74.00	-29.13	3	Horizontal	2	1.50
Mode 1	Pass	PK	4.87334G	50.57	74.00	-23.43	3	Horizontal	208	3.00
Mode 1	Pass	PK	7.31368G	50.95	74.00	-23.05	3	Horizontal	22	1.26
Mode 1	Pass	PK	11.48052G	55.57	74.00	-18.43	3	Horizontal	257	2.40
Mode 1	Pass	PK	12.37384G	50.65	74.00	-23.35	3	Horizontal	250	2.53
Mode 1	Pass	PK	17.22608G	58.73	88.20	-29.47	3	Horizontal	275	1.50
Mode 2	Pass	AV	4.80328G	31.85	54.00	-22.15	3	Vertical	218	1.50
Mode 2	Pass	AV	4.87244G	39.43	54.00	-14.57	3	Vertical	236	2.32
Mode 2	Pass	AV	7.30224G	37.80	54.00	-16.20	3	Vertical	120	1.50
Mode 2	Pass	AV	11.4816G	43.17	54.00	-10.83	3	Vertical	267	2.93
Mode 2	Pass	AV	12.38236G	39.63	54.00	-14.37	3	Vertical	199	1.44
Mode 2	Pass	AV	17.23416G	45.52	68.20	-22.68	3	Vertical	272	1.50
Mode 2	Pass	PK	4.80004G	45.62	74.00	-28.38	3	Vertical	218	1.50
Mode 2	Pass	PK	4.87328G	50.90	74.00	-23.10	3	Vertical	236	2.32
Mode 2	Pass	PK	7.32012G	50.55	74.00	-23.45	3	Vertical	120	1.50
Mode 2	Pass	PK	11.4908G	56.04	74.00	-17.96	3	Vertical	267	2.93
Mode 2	Pass	PK	12.38278G	53.09	74.00	-20.91	3	Vertical	199	1.44
Mode 2	Pass	PK	17.239G	57.64	88.20	-30.56	3	Vertical	272	1.50
Mode 2	Pass	AV	4.8028G	31.74	54.00	-22.26	3	Horizontal	112	1.50
Mode 2	Pass	AV	4.87382G	38.23	54.00	-15.77	3	Horizontal	208	2.82
Mode 2	Pass	AV	7.31936G	37.90	54.00	-16.10	3	Horizontal	248	2.01
Mode 2	Pass	AV	11.49G	43.22	54.00	-10.78	3	Horizontal	359	1.50
Mode 2	Pass	AV	12.40168G	39.85	54.00	-14.15	3	Horizontal	209	2.47
Mode 2	Pass	AV	17.2376G	45.48	68.20	-22.72	3	Horizontal	338	1.50
Mode 2	Pass	PK	4.8142G	45.50	74.00	-28.50	3	Horizontal	112	1.50
Mode 2	Pass	PK	4.87376G	52.21	74.00	-21.79	3	Horizontal	208	2.82
Mode 2	Pass	PK	7.30904G	51.21	74.00	-22.79	3	Horizontal	248	2.01
Mode 2	Pass	PK	11.497G	55.68	74.00	-18.32	3	Horizontal	359	1.50
Mode 2	Pass	PK	12.41128G	52.21	74.00	-21.79	3	Horizontal	209	2.47
Mode 2	Pass	PK	17.23384G	57.66	88.20	-30.54	3	Horizontal	338	1.50

Radiated Emissions above 1GHz_Mode 1



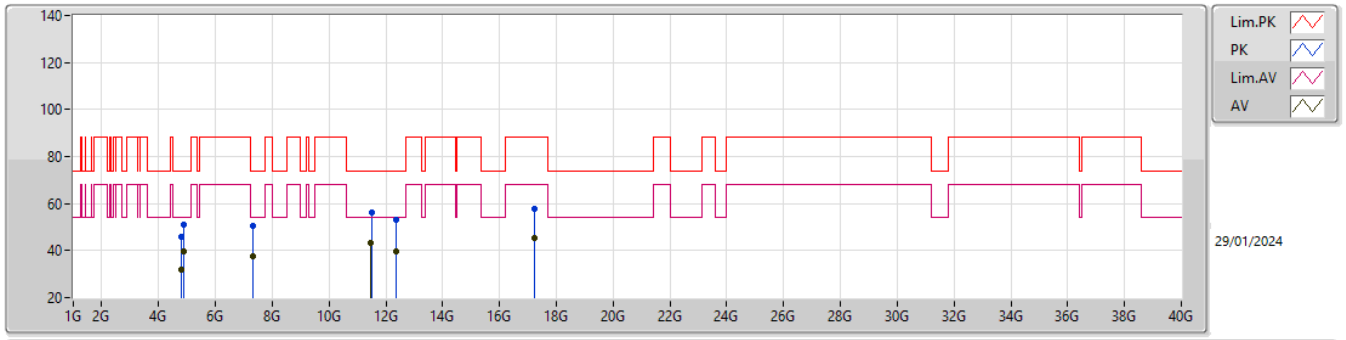
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.79374G	31.96	54.00	-22.04	3.48	3	Vertical	28	2.32	28.48	32.16	6.15	34.83
AV	4.87274G	38.89	54.00	-15.11	3.89	3	Vertical	241	2.42	35.00	32.49	6.21	34.81
AV	7.31312G	37.94	54.00	-16.06	9.53	3	Vertical	271	1.95	28.41	36.65	7.80	34.92
AV	11.47674G	43.44	54.00	-10.56	15.83	3	Vertical	211	1.50	27.61	38.85	11.43	34.45
AV	12.37896G	38.70	54.00	-15.30	15.91	3	Vertical	170	1.50	22.79	38.84	11.54	34.47
AV	17.24484G	45.34	68.20	-22.86	17.81	3	Vertical	54	1.50	27.53	38.09	13.01	33.29
PK	4.80208G	44.79	74.00	-29.21	3.54	3	Vertical	28	2.32	41.25	32.21	6.16	34.83
PK	4.87322G	51.30	74.00	-22.70	3.89	3	Vertical	241	2.42	47.41	32.49	6.21	34.81
PK	7.30436G	51.30	74.00	-22.70	9.55	3	Vertical	271	1.95	41.75	36.68	7.79	34.92
PK	11.48364G	56.44	74.00	-17.56	15.85	3	Vertical	211	1.50	40.59	38.87	11.43	34.45
PK	12.37468G	50.98	74.00	-23.02	15.91	3	Vertical	170	1.50	35.07	38.85	11.54	34.48
PK	17.23244G	57.98	88.20	-30.22	17.78	3	Vertical	54	1.50	40.20	38.06	13.00	33.28

Radiated Emissions above 1GHz_Mode 1



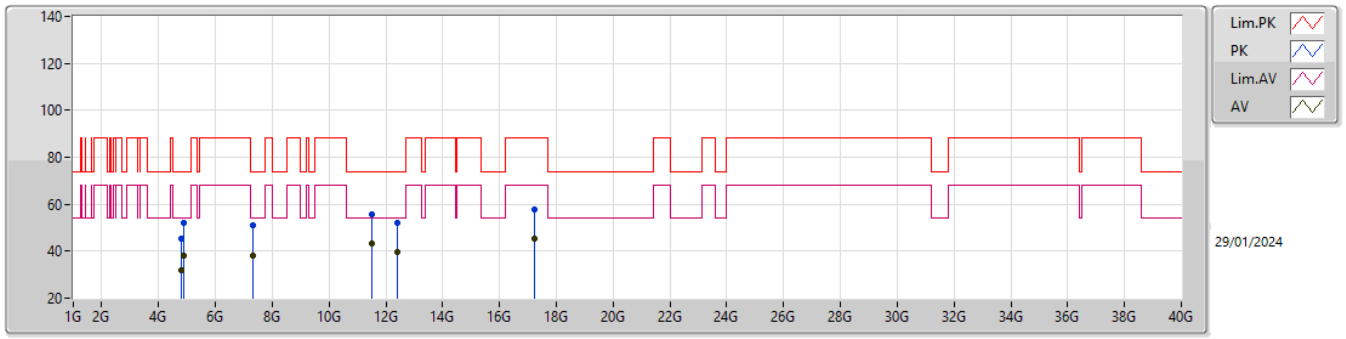
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.80324G	31.88	54.00	-22.12	3.54	3	Horizontal	2	1.50	28.34	32.21	6.16	34.83
AV	4.87376G	38.83	54.00	-15.17	3.90	3	Horizontal	208	3.00	34.93	32.50	6.21	34.81
AV	7.31256G	37.92	54.00	-16.08	9.53	3	Horizontal	22	1.26	28.39	36.65	7.80	34.92
AV	11.48856G	43.45	54.00	-10.55	15.86	3	Horizontal	257	2.40	27.59	38.88	11.43	34.45
AV	12.3798G	38.65	54.00	-15.35	15.91	3	Horizontal	250	2.53	22.74	38.84	11.54	34.47
AV	17.22708G	45.34	68.20	-22.86	17.77	3	Horizontal	275	1.50	27.57	38.05	13.00	33.28
PK	4.80624G	44.87	74.00	-29.13	3.55	3	Horizontal	2	1.50	41.32	32.22	6.16	34.83
PK	4.87334G	50.57	74.00	-23.43	3.89	3	Horizontal	208	3.00	46.68	32.49	6.21	34.81
PK	7.31368G	50.95	74.00	-23.05	9.53	3	Horizontal	22	1.26	41.42	36.65	7.80	34.92
PK	11.48052G	55.57	74.00	-18.43	15.84	3	Horizontal	257	2.40	39.73	38.86	11.43	34.45
PK	12.37384G	50.65	74.00	-23.35	15.91	3	Horizontal	250	2.53	34.74	38.85	11.54	34.48
PK	17.22608G	58.73	88.20	-29.47	17.77	3	Horizontal	275	1.50	40.96	38.05	13.00	33.28

Radiated Emissions above 1GHz_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.80328G	31.85	54.00	-22.15	3.54	3	Vertical	218	1.50	28.31	32.21	6.16	34.83
AV	4.87244G	39.43	54.00	-14.57	3.89	3	Vertical	236	2.32	35.54	32.49	6.21	34.81
AV	7.30224G	37.80	54.00	-16.20	9.56	3	Vertical	120	1.50	28.24	36.69	7.79	34.92
AV	11.4816G	43.17	54.00	-10.83	15.84	3	Vertical	267	2.93	27.33	38.86	11.43	34.45
AV	12.38236G	39.63	54.00	-14.37	15.91	3	Vertical	199	1.44	23.72	38.84	11.54	34.47
AV	17.23416G	45.52	68.20	-22.68	17.79	3	Vertical	272	1.50	27.73	38.07	13.00	33.28
PK	4.80004G	45.62	74.00	-28.38	3.53	3	Vertical	218	1.50	42.09	32.20	6.16	34.83
PK	4.87328G	50.90	74.00	-23.10	3.89	3	Vertical	236	2.32	47.01	32.49	6.21	34.81
PK	7.32012G	50.55	74.00	-23.45	9.49	3	Vertical	120	1.50	41.06	36.62	7.80	34.93
PK	11.4908G	56.04	74.00	-17.96	15.86	3	Vertical	267	2.93	40.18	38.88	11.43	34.45
PK	12.38278G	53.09	74.00	-20.91	15.90	3	Vertical	199	1.44	37.19	38.83	11.54	34.47
PK	17.239G	57.64	88.20	-30.56	17.79	3	Vertical	272	1.50	39.85	38.08	13.00	33.29

Radiated Emissions above 1GHz_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.8028G	31.74	54.00	-22.26	3.54	3	Horizontal	112	1.50	28.20	32.21	6.16	34.83
AV	4.87382G	38.23	54.00	-15.77	3.90	3	Horizontal	208	2.82	34.33	32.50	6.21	34.81
AV	7.31936G	37.90	54.00	-16.10	9.49	3	Horizontal	248	2.01	28.41	36.62	7.80	34.93
AV	11.49G	43.22	54.00	-10.78	15.86	3	Horizontal	359	1.50	27.36	38.88	11.43	34.45
AV	12.40168G	39.85	54.00	-14.15	15.88	3	Horizontal	209	2.47	23.97	38.80	11.54	34.46
AV	17.2376G	45.48	68.20	-22.72	17.80	3	Horizontal	338	1.50	27.68	38.08	13.00	33.28
PK	4.8142G	45.50	74.00	-28.50	3.60	3	Horizontal	112	1.50	41.90	32.26	6.17	34.83
PK	4.87376G	52.21	74.00	-21.79	3.90	3	Horizontal	208	2.82	48.31	32.50	6.21	34.81
PK	7.30904G	51.21	74.00	-22.79	9.54	3	Horizontal	248	2.01	41.67	36.66	7.80	34.92
PK	11.497G	55.68	74.00	-18.32	15.87	3	Horizontal	359	1.50	39.81	38.89	11.43	34.45
PK	12.41128G	52.21	74.00	-21.79	15.87	3	Horizontal	209	2.47	36.34	38.80	11.53	34.46
PK	17.23384G	57.66	88.20	-30.54	17.79	3	Horizontal	338	1.50	39.87	38.07	13.00	33.28