FCC Radio Test Report

FCC ID	:	**TOR-W318**
Equipment	:	**802.11 a/n/ac/ax + b/g/n/ax Access Point**
Brand Name	:	**Arista**
Model Name	:	**W-318**
Applicant	:	**Arista Networks, Inc.** **5453 Great America Parkway, Santa Clara, CA 95054 USA**
Manufacturer	:	**Arista Networks, Inc.** **5453 Great America Parkway, Santa Clara, CA 95054 USA**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Jul. 05, 2022, and testing was started from Aug. 16, 2022 and completed on Sep. 01, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR221041AC	01	Initial issue of report	Oct. 19, 2022

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: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

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

Non-Beamforming

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

Beamforming

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

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- 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.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Support
1	Senao	5718A0718300	PIFA	I-Pex	2.4G+5G	1 & 2
2	Senao	5718A0719300	PIFA	I-Pex	2.4G+5G	
3	M-gear	7004A0576000	Dipole	I-Pex	6E	3
4	M-gear	7004A0577000	Dipole	I-Pex	6E	
5	M-gear	7004A0578000	Dipole	I-Pex	BT	-

Ant.	Port	Gain (dBi)			
		2.4G	5G	6G	BT
1	1	4.44	5.86	-	-
2	2	4.32	5.31	-	-
3	1	-	-	5.64	-
4	2	-	-	5.39	-
5	1	-	-	-	5.21

Note 1: The EUT has five antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For BT function:

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

Only Ant. 5 (port 1) can be used as transmitting/receiving.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX)

Ant. 3 (port 1) and Ant. 4 (port 2) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter / PoE			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point
Beamforming Function	☒	With beamforming	☐	Without beamforming
Resource Unit(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)_2TX	0.653	1.85	688.75u	3k
802.11g_Nss1,(6Mbps)_2TX	0.954	0.2	1.978m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.959	0.18	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.943	0.25	5.446m	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)_2TX	0.959	0.18	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.943	0.25	5.446m	300

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

1.2 Testing Applied Standards

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

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

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

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

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua **(TAF:** 3785**)**	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		**FAX:** 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
AC Conduction	CO04-HY	Wayne Chiu	20.5~20.8°C / 54~57%	25/Aug/2022~26/Aug/2022
RF Conducted	TH07-HY	Yuna Lin	23.1~25.8°C / 46~58%	25/Aug/2022
Radiated	03CH02-HY	Daniel Lin	20.4~24.2°C / 58~60%	16/Aug/2022~01/Sep/2022
☐ Wen 33rd.St. **(TAF:** 3785**)**	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		**FAX:** 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	**Uncertainty**	**Remark**
AC Power-line Conducted Emissions	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%
Receiver Radiated Unwanted Emissions	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_00089.1

Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	16.5
2437MHz	14
2457MHz	12
2462MHz	13
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	19
2417MHz	19.5
2437MHz	21.5
2457MHz	19.5
2462MHz	17.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	19.5
2437MHz	21.5
2457MHz	18
2462MHz	15.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	15
2427MHz	15
2437MHz	16.5
2447MHz	16.5
2452MHz	13.5

Beamforming

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	19.5
2437MHz	21.5
2457MHz	18
2462MHz	15.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	15
2427MHz	15
2437MHz	16.5
2447MHz	16.5
2452MHz	13.5

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
2	PoE Mode

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	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
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio1_WLAN 2.4G+Radio2_WLAN 5G+Radio3_6E+BT
Refer to Sporton Test Report No.: FA221041 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Support Equipment

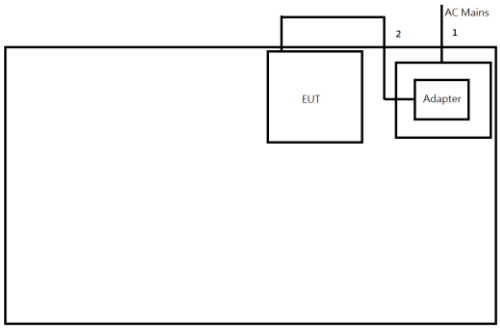
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	AC Power Cable	Power Sync	PW-GPC180-3	-	-
2	Adapter	Powertron Electronics Corp.	PA1030-120HUB300	-	-
3	PoE	EnGenius	PNA90BGS-54-TG	-	-
4	AC Power Cord	EnGenius	E315167	-	-
5	RJ45 Cable	Power Sync	CAT-6E-02	-	-

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Adapter	Powertron Electronics Corp.	PA1030-120HUB300	-	-

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	AC Power Cable	Power Sync	PW-GPC180-3	-	-
2	Adapter	Powertron Electronics Corp.	PA1030-120HUB300	-	-

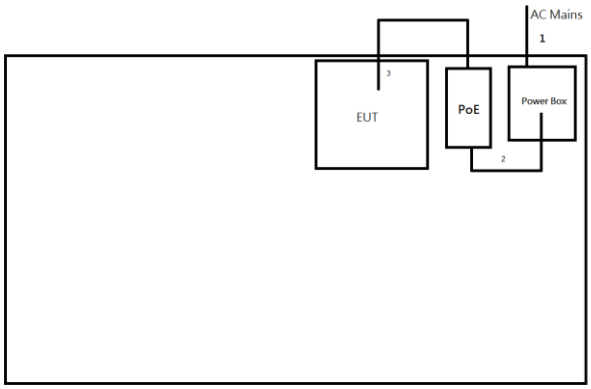
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test (Adapter)



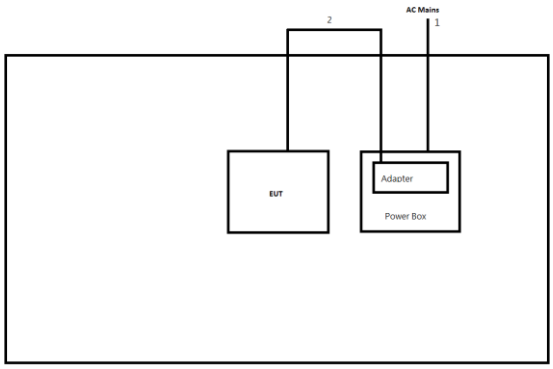
Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power Cable	No	1.5	-

Test Setup Diagram – AC Line Conducted Emission Test (PoE)



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	AC Power Cord	No	0.5	-
3	RJ45 Cable	No	2.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-

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

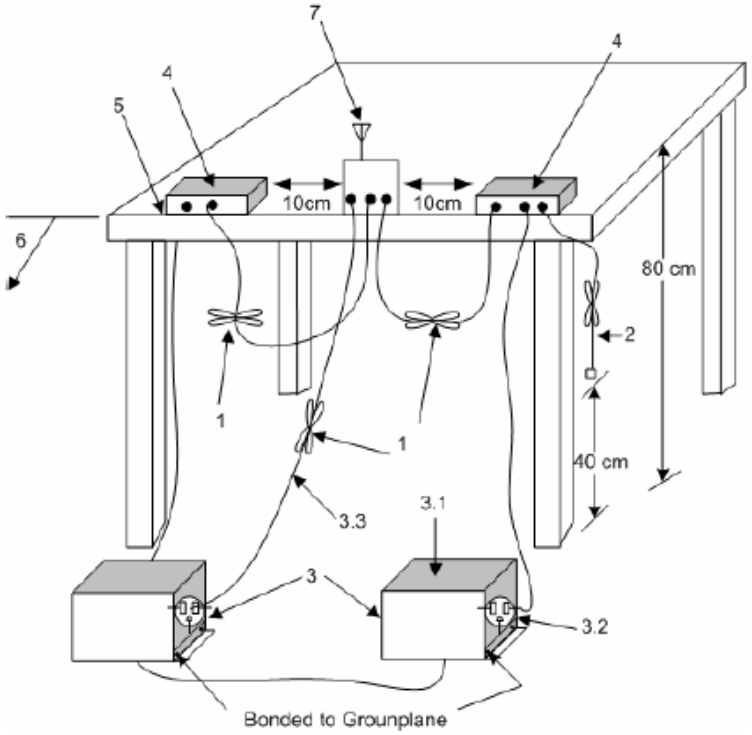
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

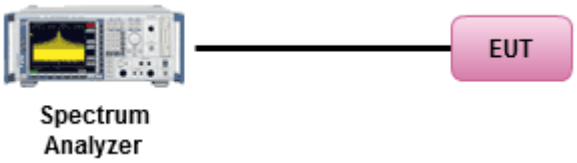
3.2.2 Measuring Instruments

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

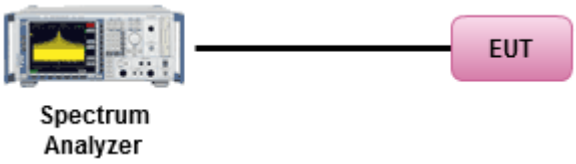
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

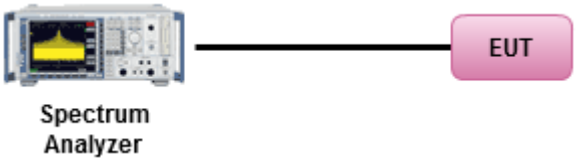
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

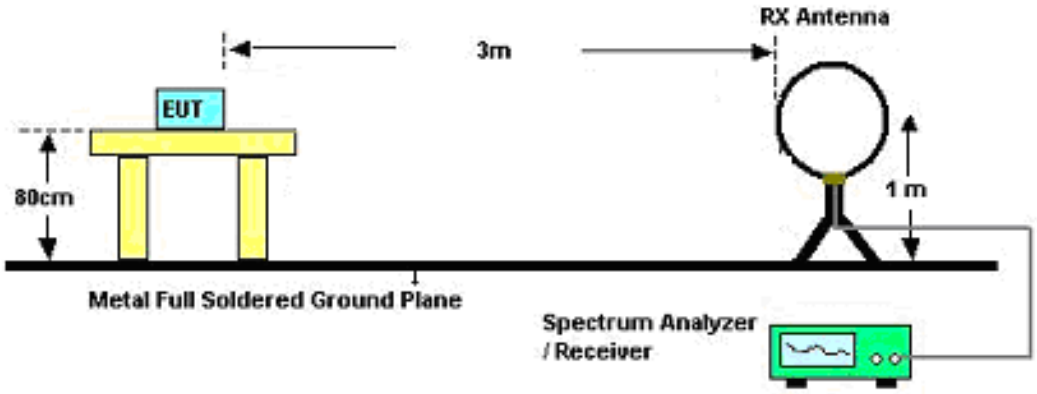
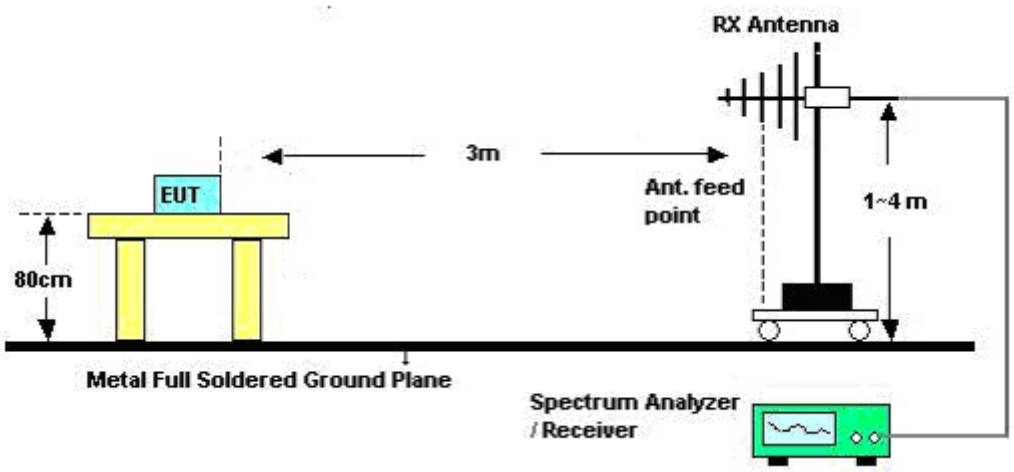
3.6.3 Test Procedures

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

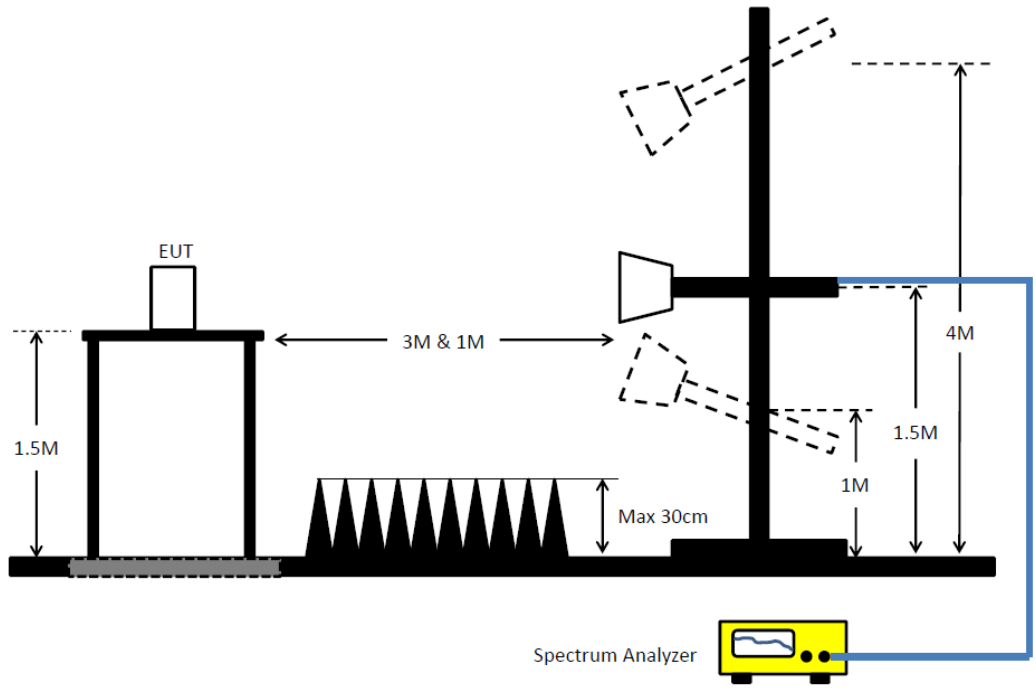
3.6.4 Measurement Results Calculation

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

3.6.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.8.2	-	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	10Hz~40GHz	14/Feb/2022	13/Feb/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2021	16/Dec/2022
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	20/Dec/2021	19/Dec/2022
SENSE-15247_DTS	Sporton	V5.10.8.3	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
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	08/Apr/2022	07/Apr/2023
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	28/Jun/2022	27/Jun/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	03/Nov/2021	02/Nov/2022
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	04/Sep/2021	03/Sep/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 02268	1GHz~18GHz	14/Sep/2021	13/Sep/2022
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	04/May/2022	03/May/2023
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	04/May/2022	03/May/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	01/Apr/2022	31/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	13/May/2022	12/May/2023
SENSE-15247_DTS	Sporton	V5.10.7.15	N/A	N/A	N/A	N/A

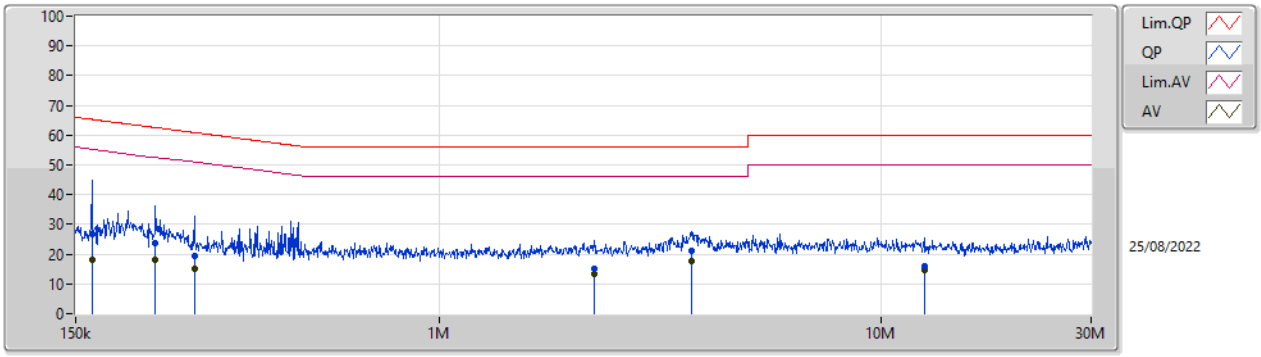
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	3.73M	17.67	46.00	-28.33	Line
Mode 2	Pass	QP	179.518k	49.45	64.51	-15.06	Line

Mode Configure

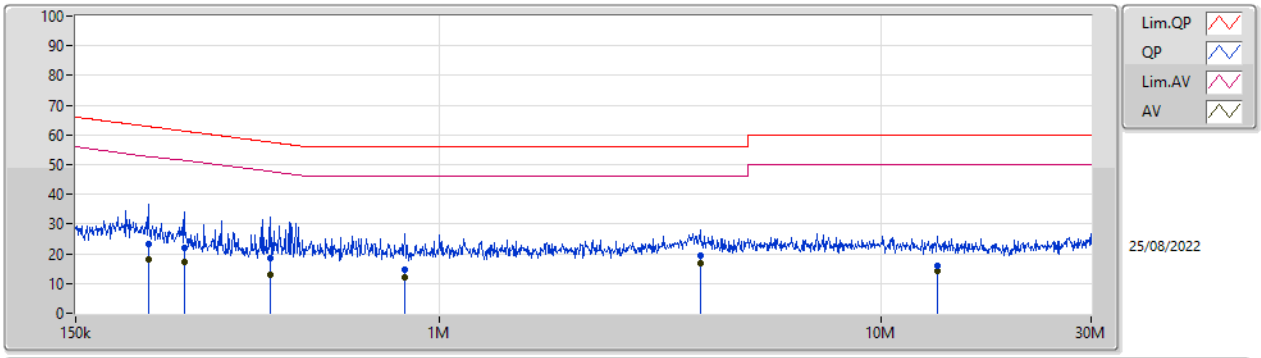
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	163.117k	26.89	65.31	-38.42	Line	-
Mode 1	Pass	AV	163.117k	18.23	55.31	-37.08	Line	-
Mode 1	Pass	QP	227.194k	23.61	62.56	-38.95	Line	-
Mode 1	Pass	AV	227.194k	18.17	52.56	-34.39	Line	-
Mode 1	Pass	QP	278.495k	19.41	60.86	-41.45	Line	-
Mode 1	Pass	AV	278.495k	15.00	50.86	-35.86	Line	-
Mode 1	Pass	QP	2.247M	15.21	56.00	-40.79	Line	-
Mode 1	Pass	AV	2.247M	13.40	46.00	-32.60	Line	-
Mode 1	Pass	QP	3.73M	20.96	56.00	-35.04	Line	-
Mode 1	Pass	AV	3.73M	17.67	46.00	-28.33	Line	-
Mode 1	Pass	QP	12.554M	15.80	60.00	-44.20	Line	-
Mode 1	Pass	AV	12.554M	14.46	50.00	-35.54	Line	-
Mode 1	Pass	QP	219.176k	23.30	62.85	-39.55	Neutral	-
Mode 1	Pass	AV	219.176k	18.29	52.85	-34.56	Neutral	-
Mode 1	Pass	QP	264.41k	21.95	61.30	-39.35	Neutral	-
Mode 1	Pass	AV	264.41k	17.23	51.30	-34.07	Neutral	-
Mode 1	Pass	QP	415.134k	18.44	57.55	-39.11	Neutral	-
Mode 1	Pass	AV	415.134k	12.87	47.55	-34.68	Neutral	-
Mode 1	Pass	QP	834.81k	14.71	56.00	-41.29	Neutral	-
Mode 1	Pass	AV	834.81k	12.24	46.00	-33.76	Neutral	-
Mode 1	Pass	QP	3.898M	19.25	56.00	-36.75	Neutral	-
Mode 1	Pass	AV	3.898M	16.89	46.00	-29.11	Neutral	-
Mode 1	Pass	QP	13.435M	15.95	60.00	-44.05	Neutral	-
Mode 1	Pass	AV	13.435M	14.38	50.00	-35.62	Neutral	-
Mode 2	Pass	QP	157.361k	48.93	65.60	-16.67	Line	-
Mode 2	Pass	AV	157.361k	36.18	55.60	-19.42	Line	-
Mode 2	Pass	QP	179.518k	49.45	64.51	-15.06	Line	-
Mode 2	Pass	AV	179.518k	36.20	54.51	-18.31	Line	-
Mode 2	Pass	QP	243.148k	30.47	61.98	-31.51	Line	-
Mode 2	Pass	AV	243.148k	15.05	51.98	-36.93	Line	-
Mode 2	Pass	QP	831.484k	15.28	56.00	-40.72	Line	-
Mode 2	Pass	AV	831.484k	12.11	46.00	-33.89	Line	-
Mode 2	Pass	QP	1.588M	18.61	56.00	-37.39	Line	-
Mode 2	Pass	AV	1.588M	16.51	46.00	-29.49	Line	-
Mode 2	Pass	QP	19.553M	36.06	60.00	-23.94	Line	-
Mode 2	Pass	AV	19.553M	32.59	50.00	-17.41	Line	-
Mode 2	Pass	QP	182.408k	46.64	64.37	-17.73	Neutral	-
Mode 2	Pass	AV	182.408k	33.15	54.37	-21.22	Neutral	-
Mode 2	Pass	QP	265.468k	19.83	61.26	-41.43	Neutral	-
Mode 2	Pass	AV	265.468k	14.57	51.26	-36.69	Neutral	-
Mode 2	Pass	QP	381.751k	27.97	58.24	-30.27	Neutral	-
Mode 2	Pass	AV	381.751k	20.26	48.24	-27.98	Neutral	-
Mode 2	Pass	QP	1.414M	14.97	56.00	-41.03	Neutral	-
Mode 2	Pass	AV	1.414M	12.53	46.00	-33.47	Neutral	-
Mode 2	Pass	QP	2.099M	22.33	56.00	-33.67	Neutral	-
Mode 2	Pass	AV	2.099M	17.66	46.00	-28.34	Neutral	-
Mode 2	Pass	QP	19.632M	35.21	60.00	-24.79	Neutral	-
Mode 2	Pass	AV	19.632M	31.32	50.00	-18.68	Neutral	-

Conducted Emissions at Powerline_Mode 1



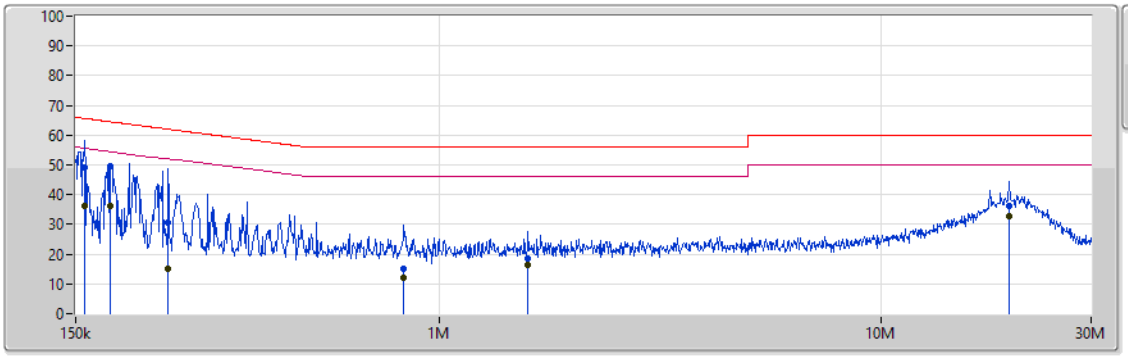
Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	163.117k	26.89	65.31	-38.42	19.63	Line	-	7.26	9.69	0.03	9.91
AV	163.117k	18.23	55.31	-37.08	19.63	Line	-	-1.40	9.69	0.03	9.91
QP	227.194k	23.61	62.56	-38.95	19.63	Line	-	3.98	9.69	0.03	9.91
AV	227.194k	18.17	52.56	-34.39	19.63	Line	-	-1.46	9.69	0.03	9.91
QP	278.495k	19.41	60.86	-41.45	19.63	Line	-	-0.22	9.69	0.03	9.91
AV	278.495k	15.00	50.86	-35.86	19.63	Line	-	-4.63	9.69	0.03	9.91
QP	2.247M	15.21	56.00	-40.79	19.71	Line	-	-4.50	9.70	0.09	9.92
AV	2.247M	13.40	46.00	-32.60	19.71	Line	-	-6.31	9.70	0.09	9.92
QP	3.73M	20.96	56.00	-35.04	19.76	Line	-	1.20	9.71	0.13	9.92
AV	3.73M	17.67	46.00	-28.33	19.76	Line	-	-2.09	9.71	0.13	9.92
QP	12.554M	15.80	60.00	-44.20	19.94	Line	-	-4.14	9.80	0.21	9.93
AV	12.554M	14.46	50.00	-35.54	19.94	Line	-	-5.48	9.80	0.21	9.93

Conducted Emissions at Powerline_Mode 1



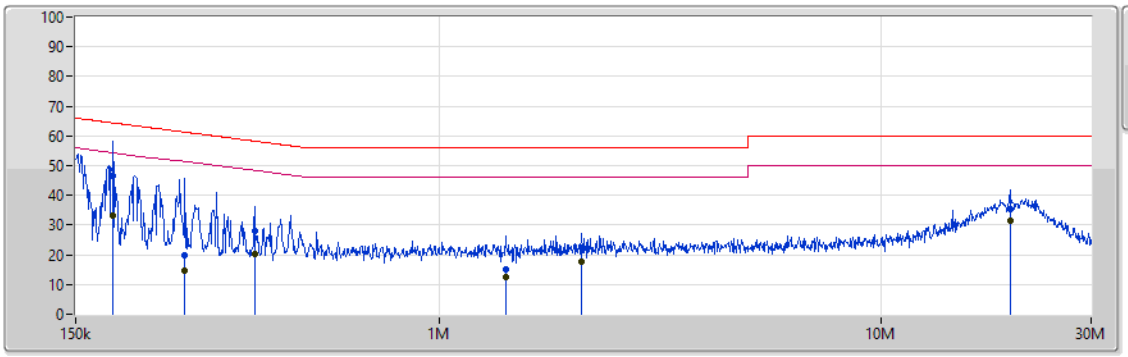
Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	219.176k	23.30	62.85	-39.55	19.66	Neutral	-	3.64	9.72	0.03	9.91
AV	219.176k	18.29	52.85	-34.56	19.66	Neutral	-	-1.37	9.72	0.03	9.91
QP	264.41k	21.95	61.30	-39.35	19.66	Neutral	-	2.29	9.72	0.03	9.91
AV	264.41k	17.23	51.30	-34.07	19.66	Neutral	-	-2.43	9.72	0.03	9.91
QP	415.134k	18.44	57.55	-39.11	19.67	Neutral	-	-1.23	9.72	0.04	9.91
AV	415.134k	12.87	47.55	-34.68	19.67	Neutral	-	-6.80	9.72	0.04	9.91
QP	834.81k	14.71	56.00	-41.29	19.70	Neutral	-	-4.99	9.73	0.05	9.92
AV	834.81k	12.24	46.00	-33.76	19.70	Neutral	-	-7.46	9.73	0.05	9.92
QP	3.898M	19.25	56.00	-36.75	19.81	Neutral	-	-0.56	9.76	0.13	9.92
AV	3.898M	16.89	46.00	-29.11	19.81	Neutral	-	-2.92	9.76	0.13	9.92
QP	13.435M	15.95	60.00	-44.05	20.08	Neutral	-	-4.13	9.93	0.22	9.93
AV	13.435M	14.38	50.00	-35.62	20.08	Neutral	-	-5.70	9.93	0.22	9.93

Conducted Emissions at Powerline_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	157.361k	48.93	65.60	-16.67	19.63	Line	-	29.30	9.69	0.03	9.91
AV	157.361k	36.18	55.60	-19.42	19.63	Line	-	16.55	9.69	0.03	9.91
QP	179.518k	49.45	64.51	-15.06	19.63	Line	-	29.82	9.69	0.03	9.91
AV	179.518k	36.20	54.51	-18.31	19.63	Line	-	16.57	9.69	0.03	9.91
QP	243.148k	30.47	61.98	-31.51	19.63	Line	-	10.84	9.69	0.03	9.91
AV	243.148k	15.05	51.98	-36.93	19.63	Line	-	-4.58	9.69	0.03	9.91
QP	831.484k	15.28	56.00	-40.72	19.65	Line	-	-4.37	9.68	0.05	9.92
AV	831.484k	12.11	46.00	-33.89	19.65	Line	-	-7.54	9.68	0.05	9.92
QP	1.588M	18.61	56.00	-37.39	19.68	Line	-	-1.07	9.69	0.07	9.92
AV	1.588M	16.51	46.00	-29.49	19.68	Line	-	-3.17	9.69	0.07	9.92
QP	19.553M	36.06	60.00	-23.94	19.99	Line	-	16.07	9.79	0.27	9.93
AV	19.553M	32.59	50.00	-17.41	19.99	Line	-	12.60	9.79	0.27	9.93

Conducted Emissions at Powerline_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	182.408k	46.64	64.37	-17.73	19.66	Neutral	-	26.98	9.72	0.03	9.91
AV	182.408k	33.15	54.37	-21.22	19.66	Neutral	-	13.49	9.72	0.03	9.91
QP	265.468k	19.83	61.26	-41.43	19.66	Neutral	-	0.17	9.72	0.03	9.91
AV	265.468k	14.57	51.26	-36.69	19.66	Neutral	-	-5.09	9.72	0.03	9.91
QP	381.751k	27.97	58.24	-30.27	19.67	Neutral	-	8.30	9.72	0.04	9.91
AV	381.751k	20.26	48.24	-27.98	19.67	Neutral	-	0.59	9.72	0.04	9.91
QP	1.414M	14.97	56.00	-41.03	19.71	Neutral	-	-4.74	9.73	0.06	9.92
AV	1.414M	12.53	46.00	-33.47	19.71	Neutral	-	-7.18	9.73	0.06	9.92
QP	2.099M	22.33	56.00	-33.67	19.74	Neutral	-	2.59	9.74	0.08	9.92
AV	2.099M	17.66	46.00	-28.34	19.74	Neutral	-	-2.08	9.74	0.08	9.92
QP	19.632M	35.21	60.00	-24.79	20.19	Neutral	-	15.02	9.99	0.27	9.93
AV	19.632M	31.32	50.00	-18.68	20.19	Neutral	-	11.13	9.99	0.27	9.93

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.025M	13.343M	13M4G1D	6.55M	12.794M
802.11g_Nss1,(6Mbps)_2TX	15.075M	18.366M	18M4D1D	14.975M	16.267M
802.11ax HEW20_Nss1,(MCS0)_2TX	16.6M	19.315M	19M4D1D	8.725M	18.716M
802.11ax HEW40_Nss1,(MCS0)_2TX	36.6M	37.931M	38M0D1D	27.85M	37.481M

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

Result

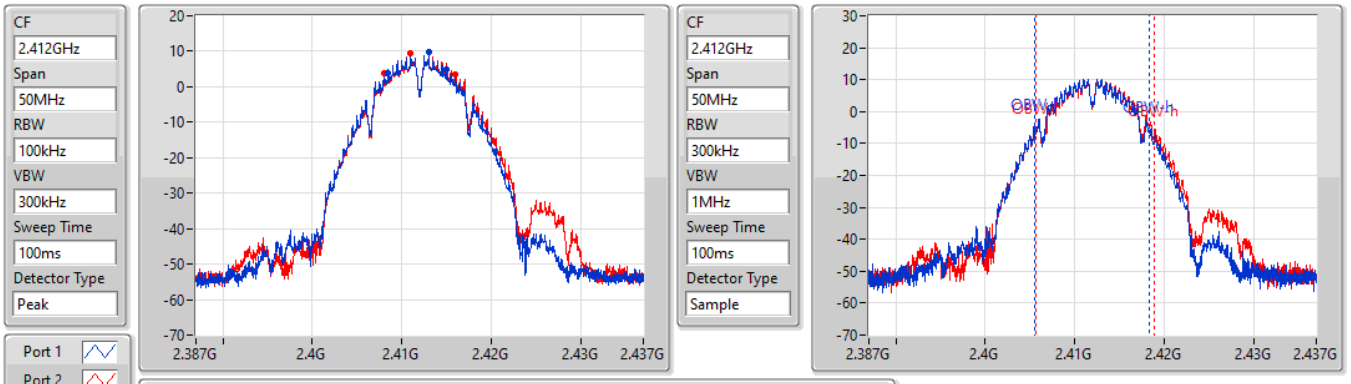
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	6.55M	12.794M	8M	13.218M
2437MHz	Pass	500k	8.025M	12.894M	7.05M	13.293M
2457MHz	Pass	500k	7.55M	13.118M	8.025M	13.343M
2462MHz	Pass	500k	7M	13.043M	7.975M	13.318M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.05M	16.267M	15.075M	16.267M
2417MHz	Pass	500k	15.075M	16.367M	15.075M	16.367M
2437MHz	Pass	500k	15.025M	17.041M	14.975M	18.366M
2457MHz	Pass	500k	15.025M	16.392M	15.05M	16.467M
2462MHz	Pass	500k	15.025M	16.317M	14.975M	16.442M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	12.75M	18.741M	14.975M	18.716M
2417MHz	Pass	500k	13.825M	18.841M	8.725M	18.741M
2437MHz	Pass	500k	15.975M	19.015M	15.275M	19.315M
2457MHz	Pass	500k	12.525M	18.816M	15.8M	18.891M
2462MHz	Pass	500k	15.025M	18.841M	16.6M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.6M	37.731M	31.65M	37.481M
2427MHz	Pass	500k	35.45M	37.831M	34.75M	37.931M
2437MHz	Pass	500k	33.35M	37.581M	30.1M	37.531M
2447MHz	Pass	500k	33.8M	37.481M	35M	37.531M
2452MHz	Pass	500k	34.7M	37.531M	27.85M	37.531M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

25/08/2022

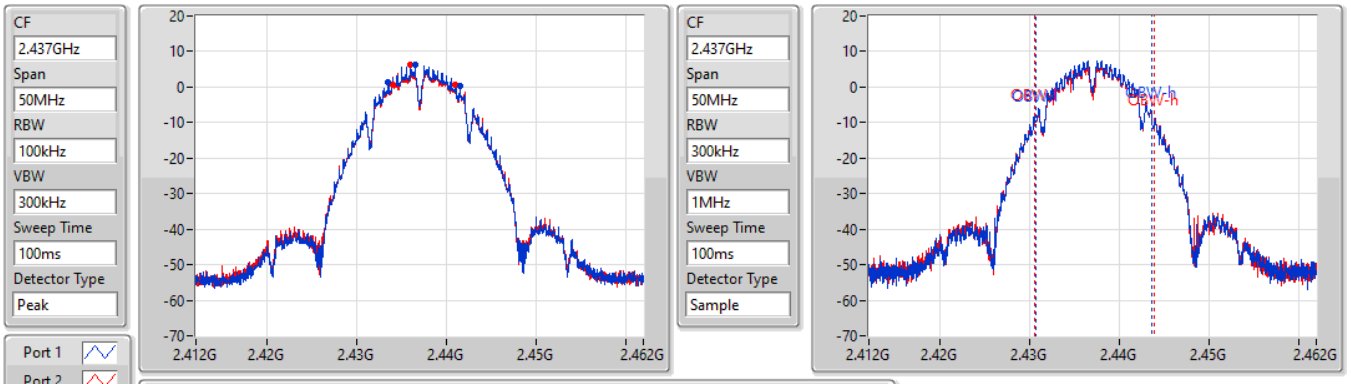


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.55M	2.408475G	2.415025G	12.794M	2.405578G	2.418372G	500k	1
8M	2.408G	2.416G	13.218M	2.405653G	2.418872G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

25/08/2022

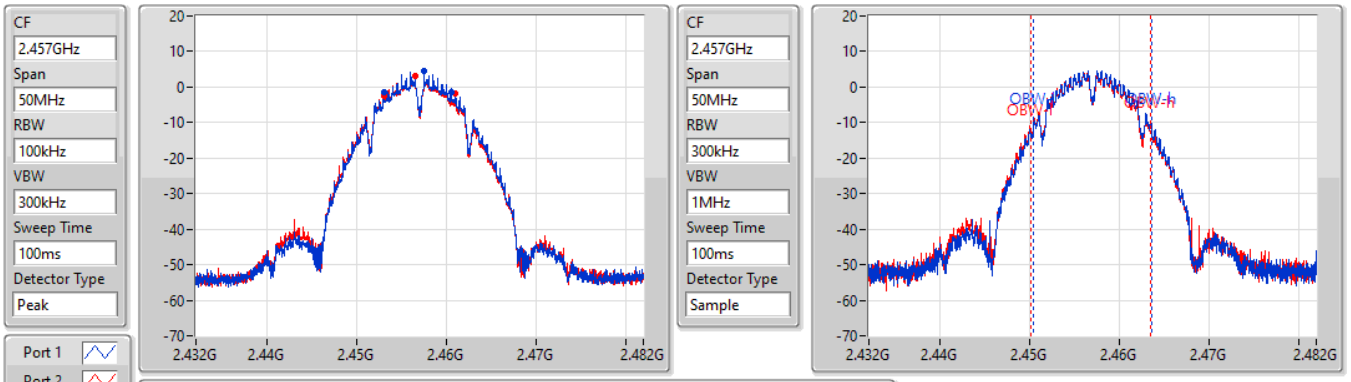


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.4335G	2.441525G	12.894M	2.430728G	2.443622G	500k	1
7.05M	2.43395G	2.441G	13.293M	2.430578G	2.443872G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2457MHz

25/08/2022

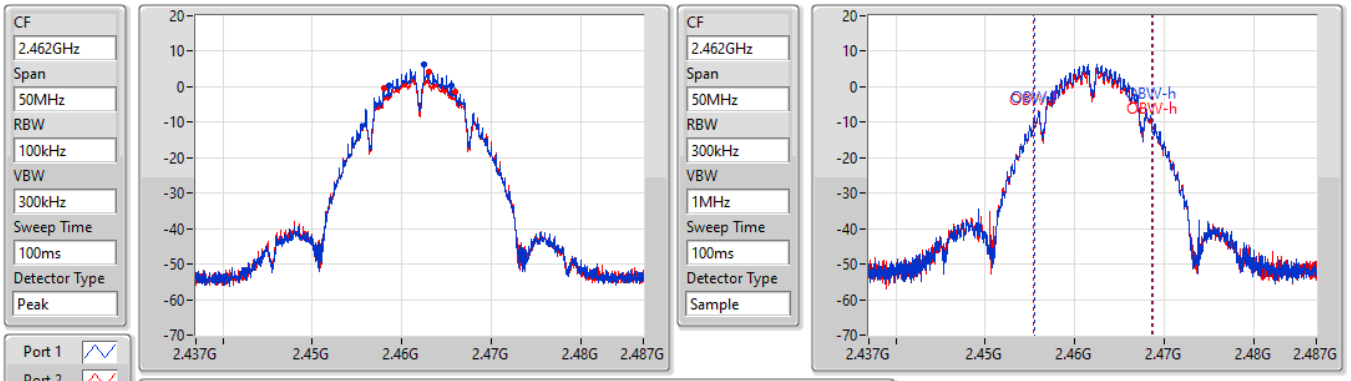


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.452975G	2.460525G	13.118M	2.450428G	2.463547G	500k	1
8.025M	2.452975G	2.461G	13.343M	2.450128G	2.463472G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

25/08/2022

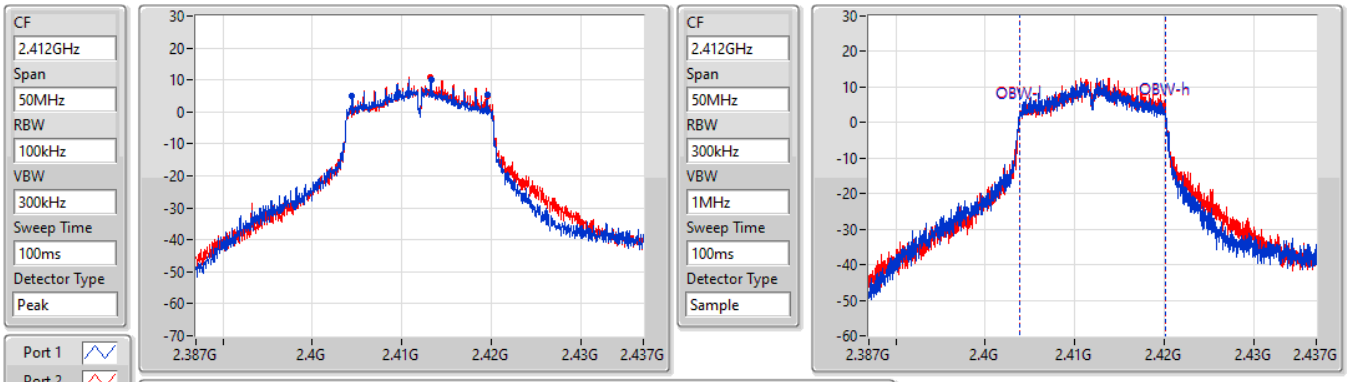


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.458525G	2.465525G	13.043M	2.455503G	2.468547G	500k	1
7.975M	2.458025G	2.466G	13.318M	2.455378G	2.468697G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

25/08/2022

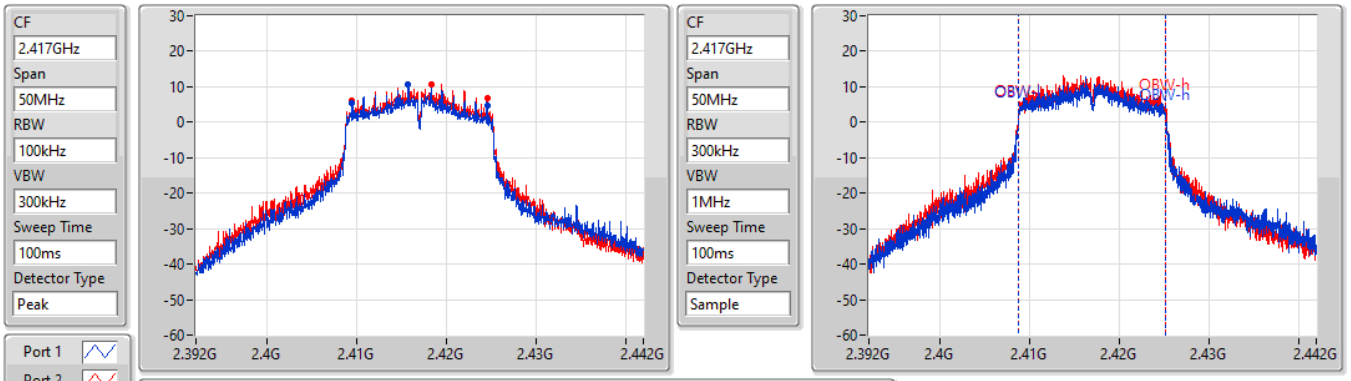


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.404475G	2.419525G	16.267M	2.403829G	2.420096G	500k	1
15.075M	2.404475G	2.41955G	16.267M	2.403904G	2.420171G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2417MHz

25/08/2022

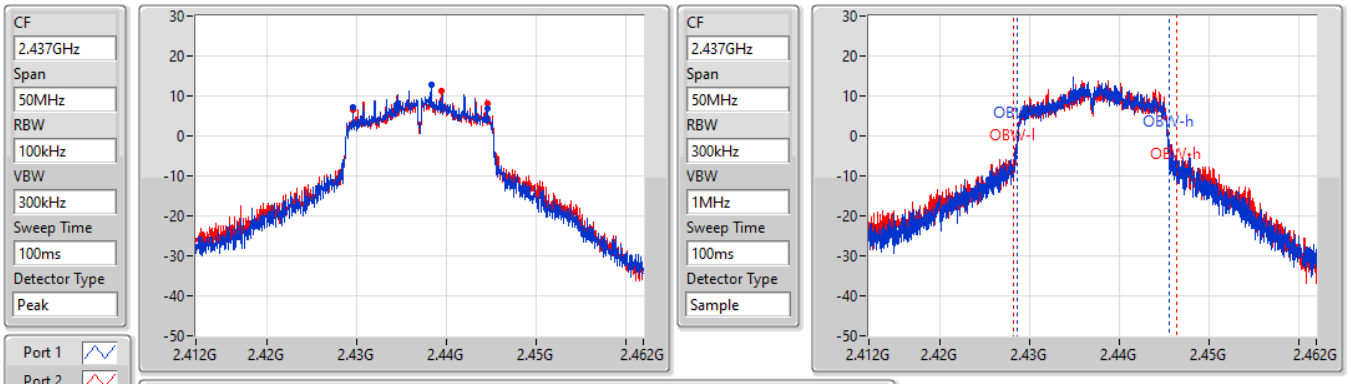


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.409475G	2.42455G	16.367M	2.408779G	2.425146G	500k	1
15.075M	2.40945G	2.424525G	16.367M	2.408779G	2.425146G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

25/08/2022

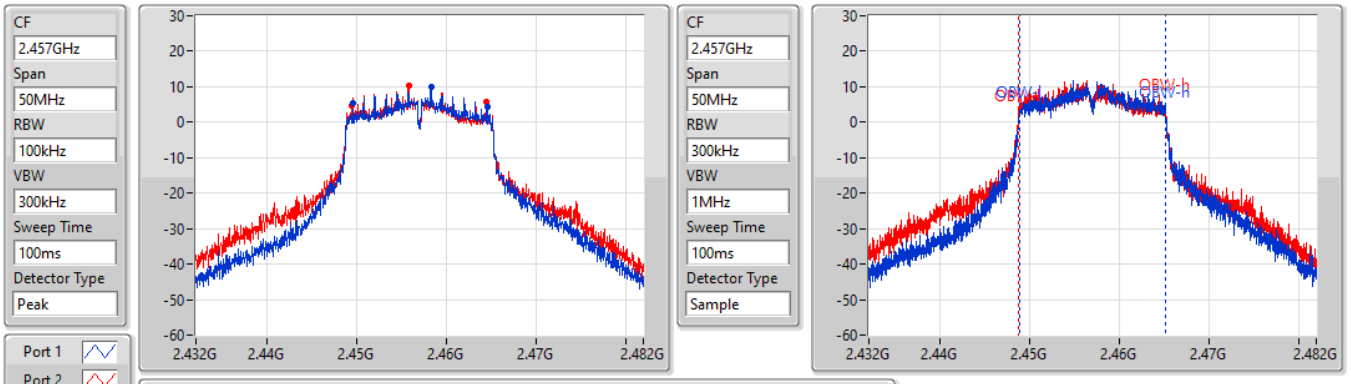


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.429525G	2.44455G	17.041M	2.428579G	2.445621G	500k	1
14.975M	2.42955G	2.444525G	18.366M	2.428104G	2.44647G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2457MHz

25/08/2022

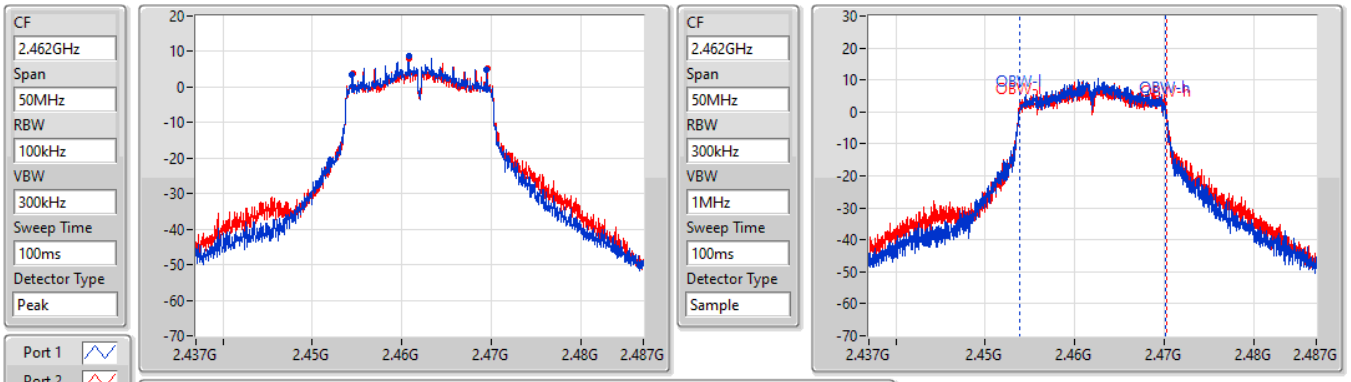


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.449525G	2.46455G	16.392M	2.448804G	2.465196G	500k	1
15.05M	2.44945G	2.4645G	16.467M	2.448729G	2.465196G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

25/08/2022

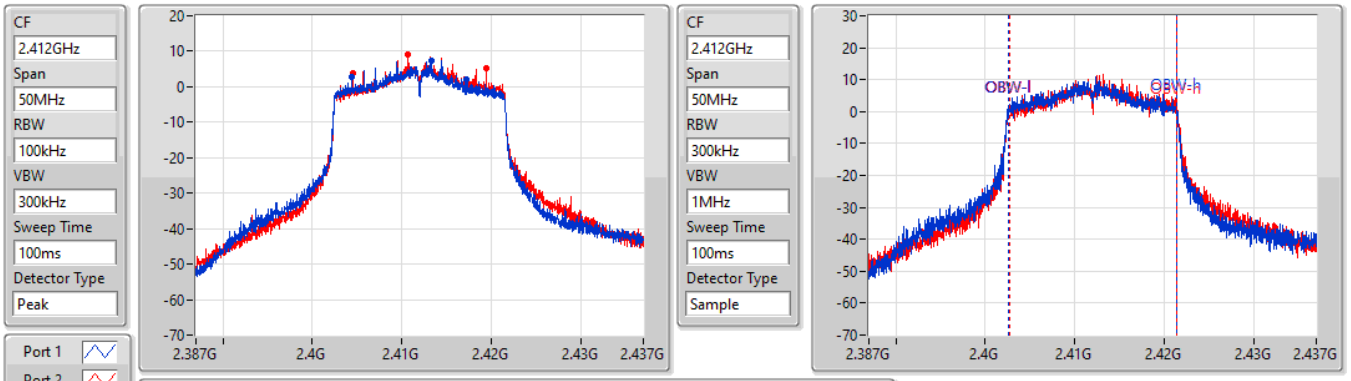


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.454475G	2.4695G	16.317M	2.453829G	2.470146G	500k	1
14.975M	2.45455G	2.469525G	16.442M	2.453804G	2.470246G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2412MHz

25/08/2022

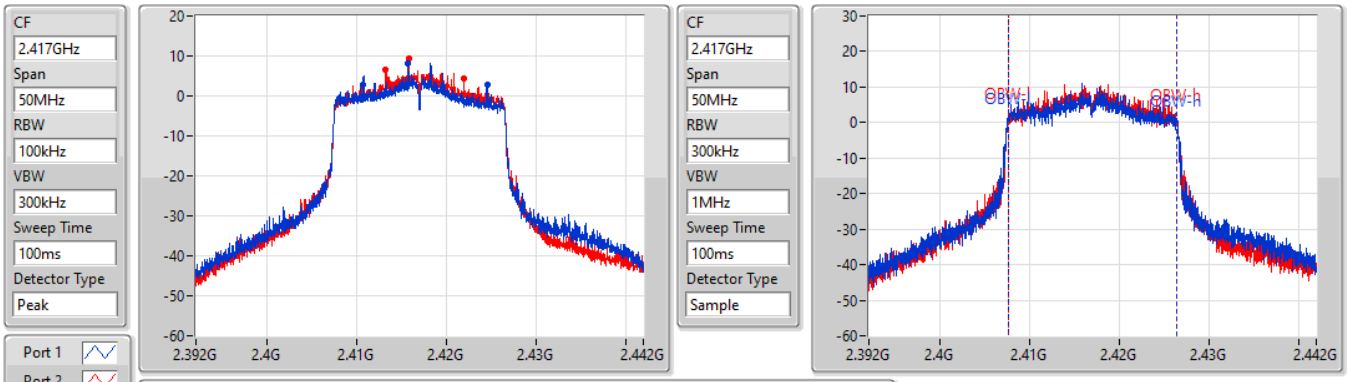


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.75M	2.40445G	2.4172G	18.741M	2.402605G	2.421345G	500k	1
14.975M	2.4045G	2.419475G	18.716M	2.40268G	2.421395G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2417MHz

25/08/2022

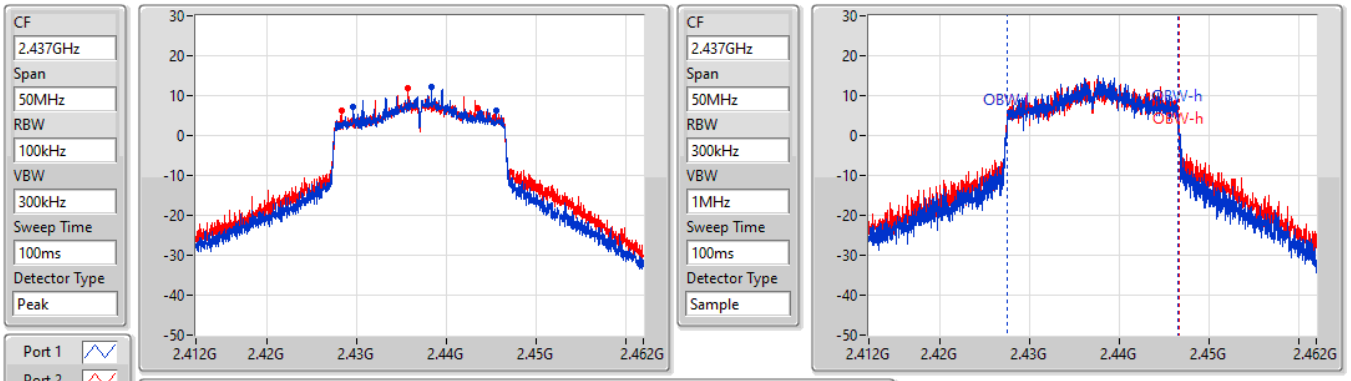


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.825M	2.4107G	2.424525G	18.841M	2.407555G	2.426395G	500k	1
8.725M	2.413225G	2.42195G	18.741M	2.407605G	2.426345G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2437MHz

25/08/2022

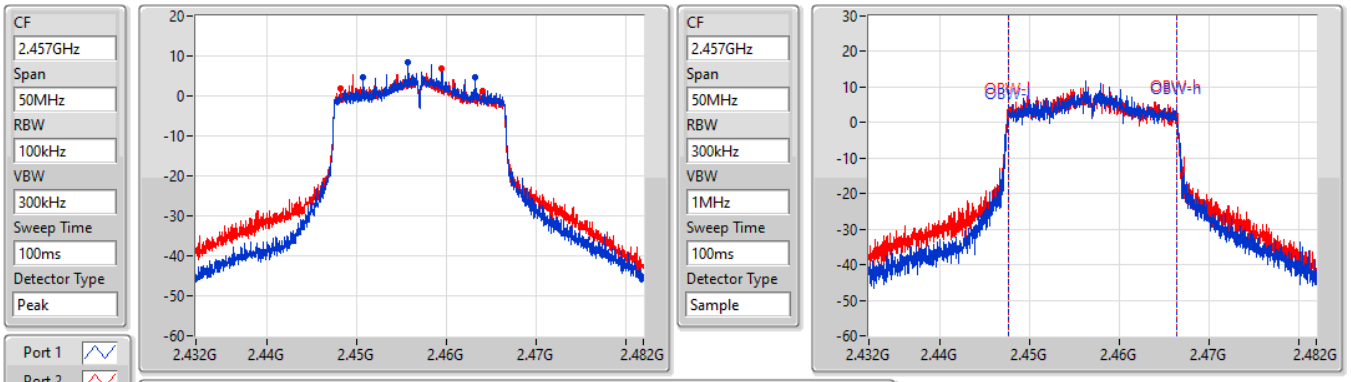


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.975M	2.42955G	2.445525G	19.015M	2.427505G	2.44652G	500k	1
15.275M	2.42825G	2.443525G	19.315M	2.427405G	2.44672G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2457MHz

25/08/2022

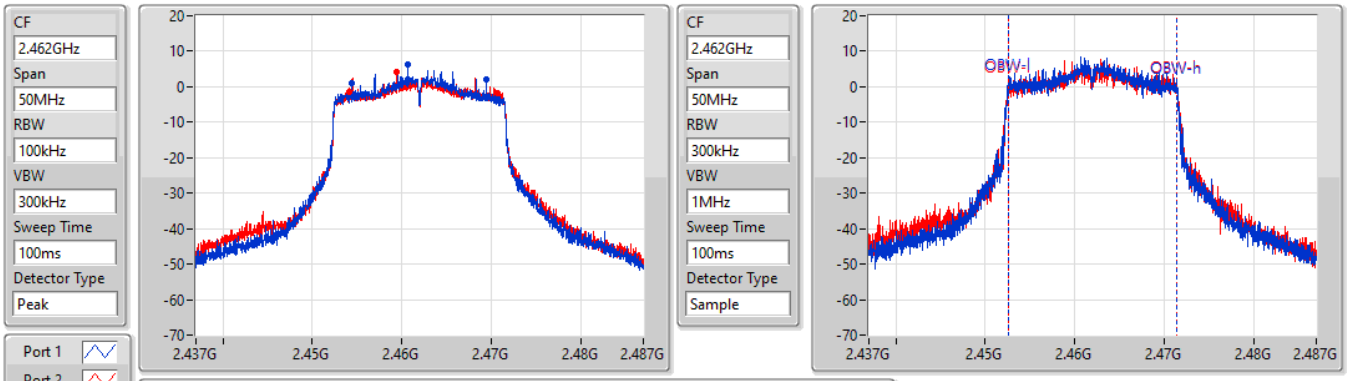


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.525M	2.450725G	2.46325G	18.816M	2.44758G	2.466395G	500k	1
15.8M	2.4482G	2.464G	18.891M	2.44753G	2.46642G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2462MHz

25/08/2022

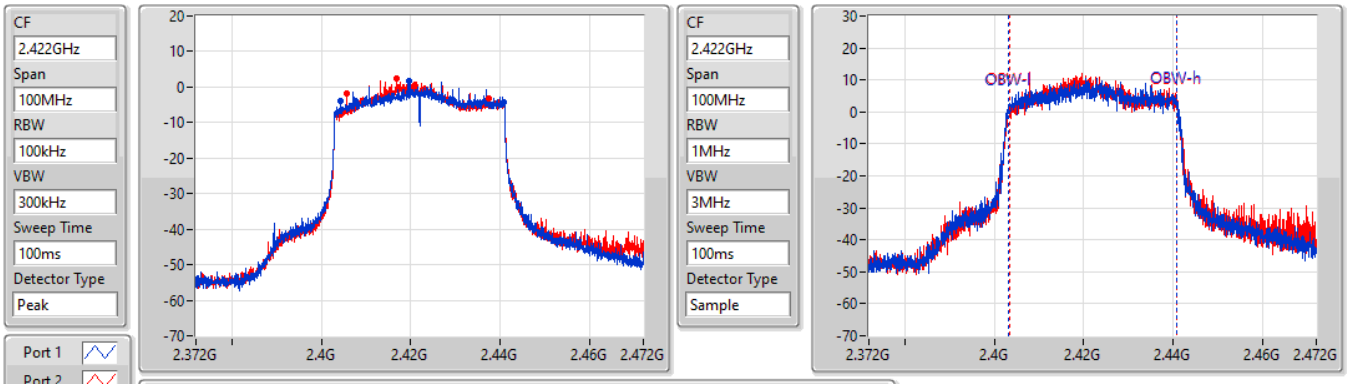


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.45445G	2.469475G	18.841M	2.45258G	2.47142G	500k	1
16.6M	2.45415G	2.47075G	18.891M	2.452555G	2.471445G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2422MHz

25/08/2022

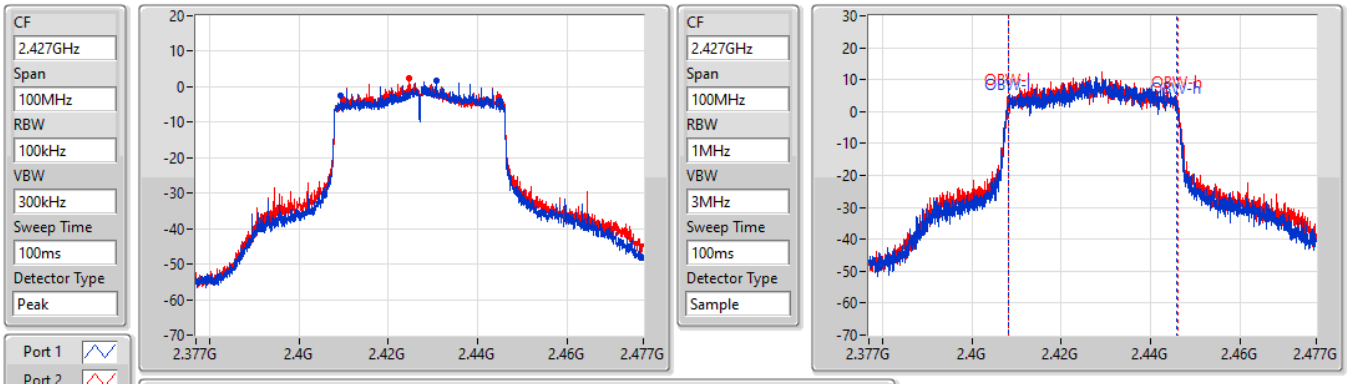


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.6M	2.40425G	2.44085G	37.731M	2.403209G	2.440941G	500k	1
31.65M	2.40575G	2.4374G	37.481M	2.403409G	2.440891G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2427MHz

25/08/2022

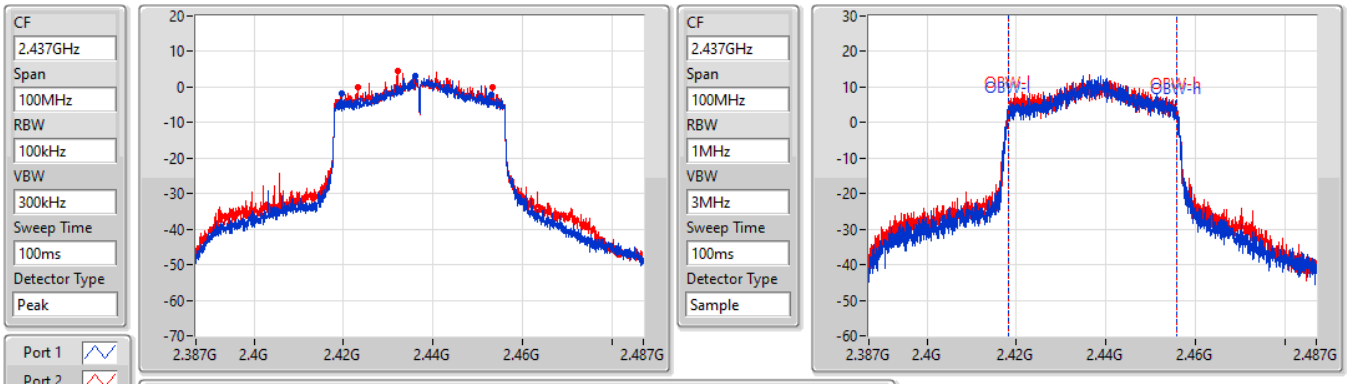


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.45M	2.40945G	2.4449G	37.831M	2.408059G	2.445891G	500k	1
34.75M	2.40995G	2.4447G	37.931M	2.408059G	2.445991G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2437MHz

25/08/2022

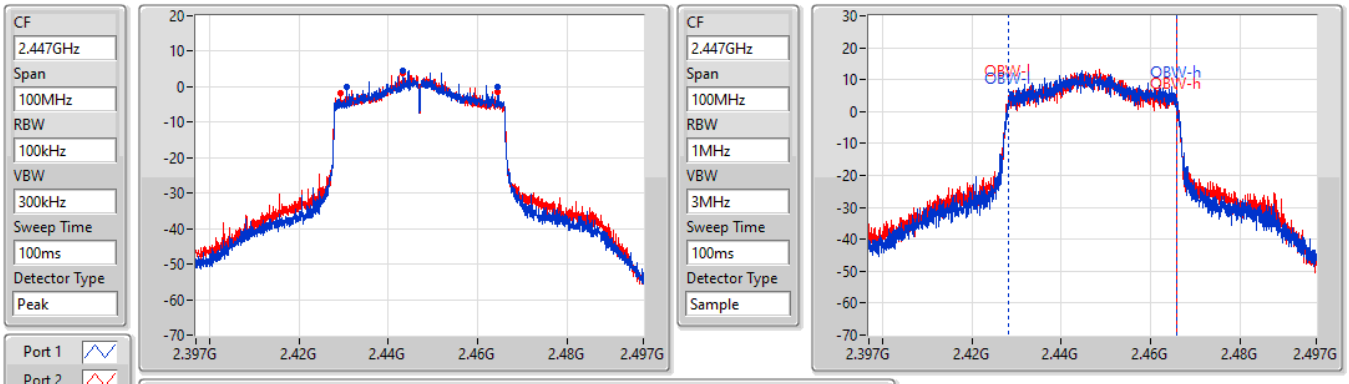


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.35M	2.41955G	2.4529G	37.581M	2.418159G	2.455741G	500k	1
30.1M	2.4232G	2.4533G	37.531M	2.418209G	2.455741G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2447MHz

25/08/2022

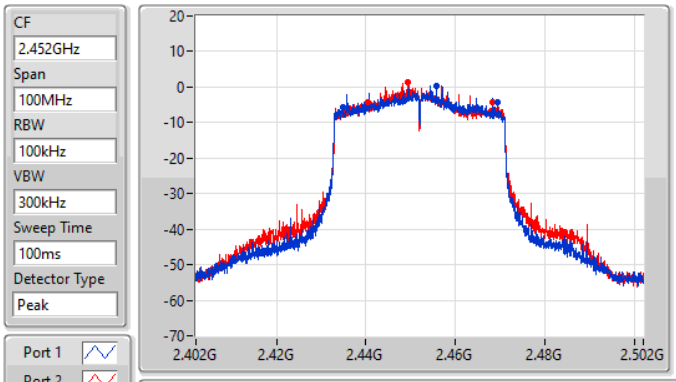


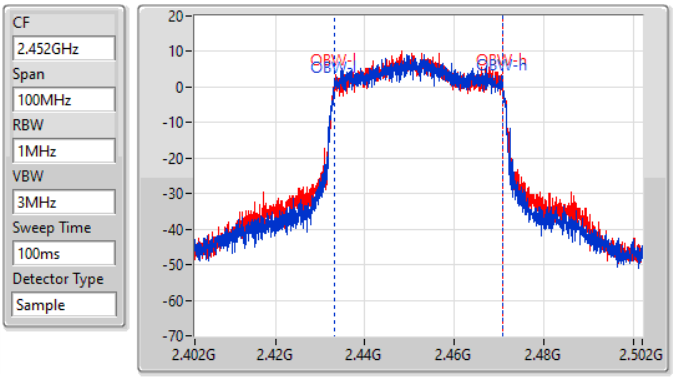
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.8M	2.4307G	2.4645G	37.481M	2.428259G	2.465741G	500k	1
35M	2.42945G	2.46445G	37.531M	2.428159G	2.465691G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2452MHz

25/08/2022





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.7M	2.4348G	2.4695G	37.531M	2.433209G	2.470741G	500k	1
27.85M	2.44035G	2.4682G	37.531M	2.433259G	2.470791G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	20.71	0.11776
802.11g_Nss1,(6Mbps)_2TX	24.22	0.26424
802.11ax HEW20_Nss1,(MCS0)_2TX	24.28	0.26792
802.11ax HEW40_Nss1,(MCS0)_2TX	20.15	0.10351

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.44	17.63	17.76	20.71	30.00
2437MHz	Pass	4.44	15.01	14.50	17.77	30.00
2457MHz	Pass	4.44	12.26	12.02	15.15	30.00
2462MHz	Pass	4.44	13.89	12.81	16.39	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.44	19.29	19.67	22.49	30.00
2417MHz	Pass	4.44	19.01	20.55	22.86	30.00
2437MHz	Pass	4.44	21.37	21.04	24.22	30.00
2457MHz	Pass	4.44	18.97	18.91	21.95	30.00
2462MHz	Pass	4.44	17.80	17.23	20.53	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.44	18.68	18.24	21.48	30.00
2417MHz	Pass	4.44	19.49	18.69	22.12	30.00
2437MHz	Pass	4.44	21.32	21.22	24.28	30.00
2457MHz	Pass	4.44	17.17	17.02	20.11	30.00
2462MHz	Pass	4.44	15.10	14.51	17.83	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.44	15.12	15.83	18.50	30.00
2427MHz	Pass	4.44	15.31	15.69	18.51	30.00
2437MHz	Pass	4.44	16.89	17.37	20.15	30.00
2447MHz	Pass	4.44	17.08	17.15	20.13	30.00
2452MHz	Pass	4.44	13.48	14.10	16.81	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)_2TX	24.15	0.26002
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.01	0.10023

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)	Port 1 (dBm)	Port 2 (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.39	19.86	28.61	16.58	17.10
2417MHz	Pass	7.39	20.02	28.61	16.38	17.56
2437MHz	Pass	7.39	24.15	28.61	21.21	21.07
2457MHz	Pass	7.39	19.98	28.61	17.02	16.91
2462MHz	Pass	7.39	17.69	28.61	14.95	14.40
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.39	18.37	28.61	15.01	15.69
2427MHz	Pass	7.39	18.40	28.61	15.21	15.57
2437MHz	Pass	7.39	20.01	28.61	16.74	17.24
2447MHz	Pass	7.39	20.01	28.61	16.98	17.01
2452MHz	Pass	7.39	16.69	28.61	13.35	13.98

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-4.62
802.11g_Nss1,(6Mbps)_2TX	-3.09
802.11ax HEW20_Nss1,(MCS0)_2TX	-1.81
802.11ax HEW40_Nss1,(MCS0)_2TX	-8.15

RBW = 3kHz;

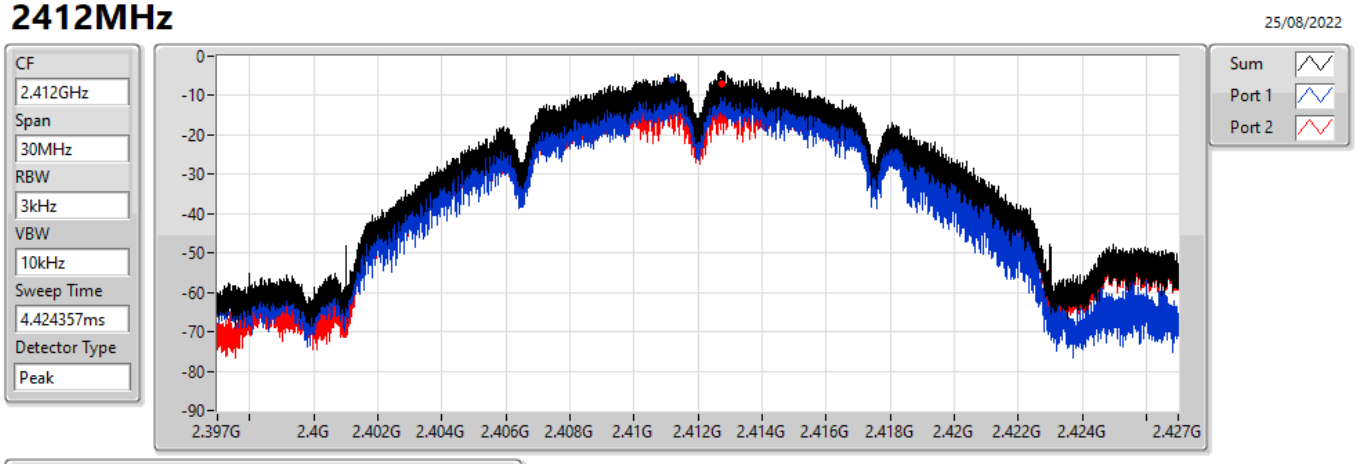
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.39	-6.11	-7.04	-4.62	6.61
2437MHz	Pass	7.39	-9.58	-9.33	-7.10	6.61
2457MHz	Pass	7.39	-6.86	-12.10	-6.13	6.61
2462MHz	Pass	7.39	-10.58	-11.29	-8.56	6.61
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.39	-6.93	-7.27	-4.43	6.61
2417MHz	Pass	7.39	-7.84	-5.32	-3.68	6.61
2437MHz	Pass	7.39	-4.69	-6.00	-3.09	6.61
2457MHz	Pass	7.39	-7.36	-6.87	-4.47	6.61
2462MHz	Pass	7.39	-9.10	-9.80	-7.05	6.61
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.39	-7.62	-7.25	-5.81	6.61
2417MHz	Pass	7.39	-9.42	-6.67	-5.86	6.61
2437MHz	Pass	7.39	-4.15	-4.33	-1.81	6.61
2457MHz	Pass	7.39	-6.93	-9.01	-5.81	6.61
2462MHz	Pass	7.39	-8.84	-10.35	-8.26	6.61
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.39	-12.82	-11.63	-10.11	6.61
2427MHz	Pass	7.39	-12.05	-10.88	-9.87	6.61
2437MHz	Pass	7.39	-10.08	-9.69	-8.15	6.61
2447MHz	Pass	7.39	-8.86	-9.69	-8.15	6.61
2452MHz	Pass	7.39	-13.54	-13.57	-10.84	6.61

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;

802.11b_Nss1,(1Mbps)_2TX PSD

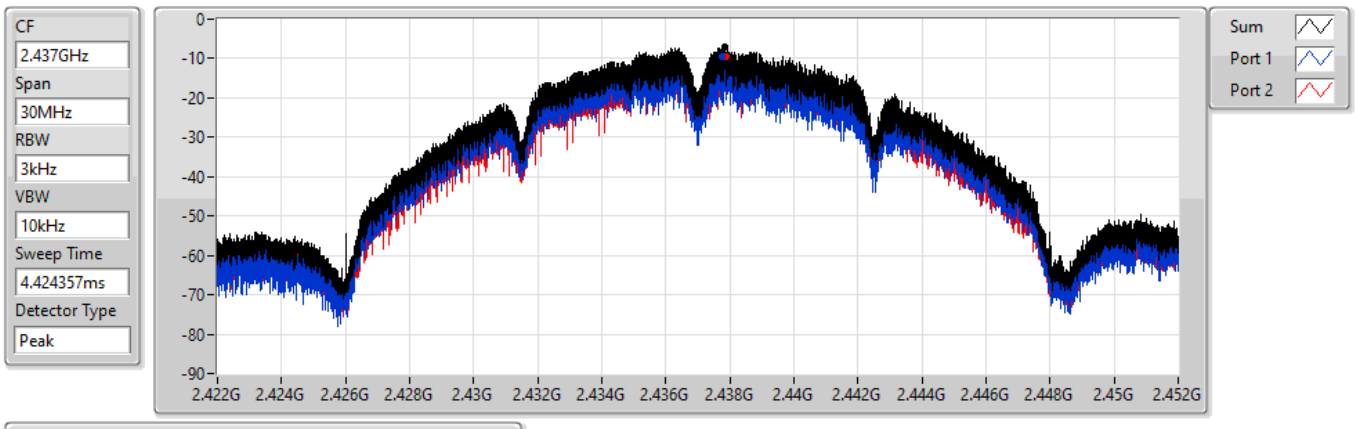
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.62	-4.62	-6.11	-7.04

802.11b_Nss1,(1Mbps)_2TX PSD

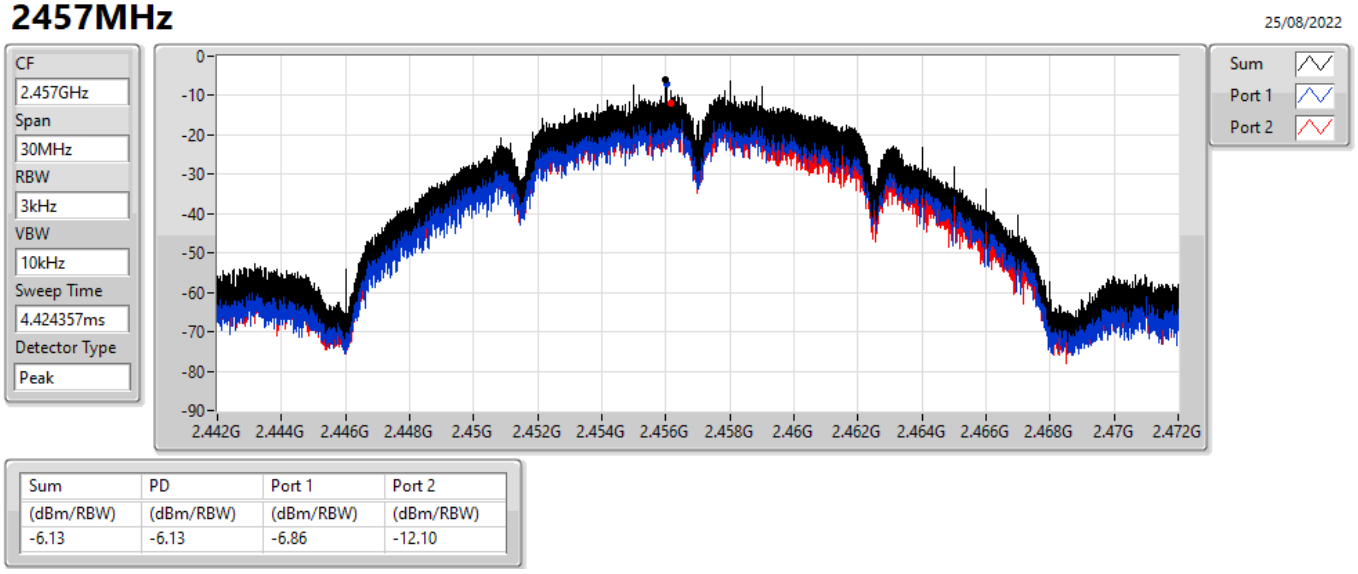
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.10	-7.10	-9.58	-9.33

802.11b_Nss1,(1Mbps)_2TX PSD

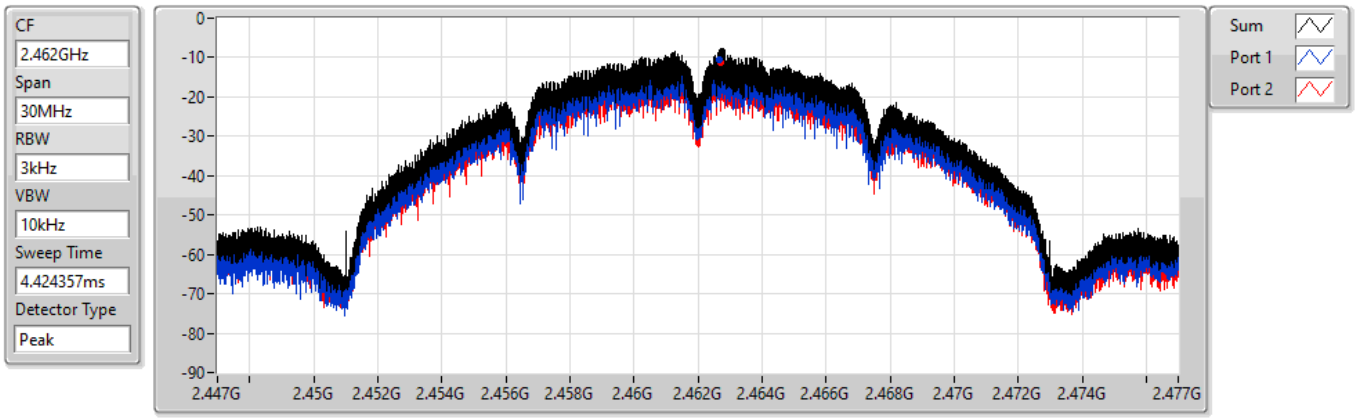
2457MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.13	-6.13	-6.86	-12.10

802.11b_Nss1,(1Mbps)_2TX PSD

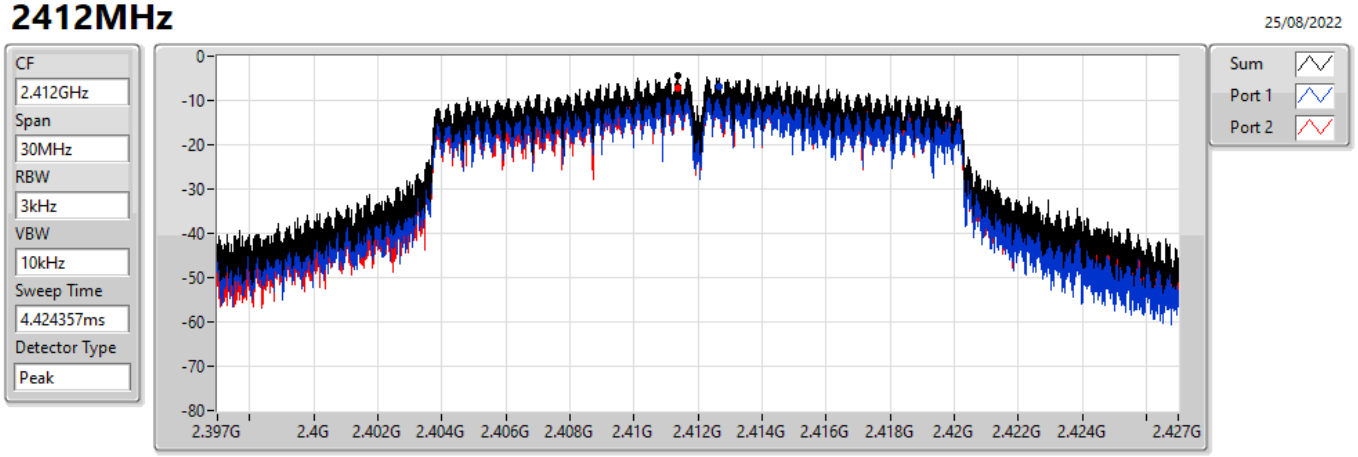
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.56	-8.56	-10.58	-11.29

802.11g_Nss1,(6Mbps)_2TX PSD

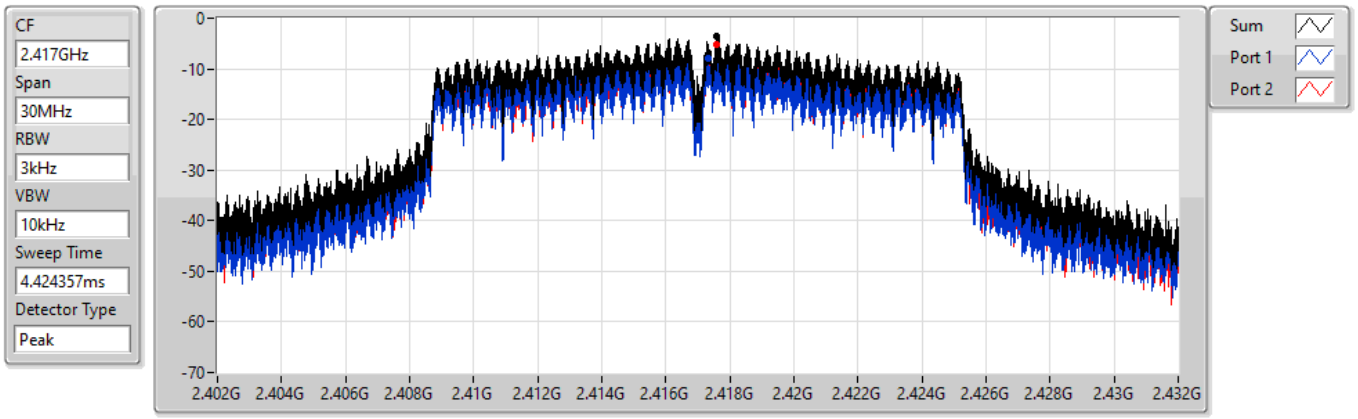
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.43	-4.43	-6.93	-7.27

802.11g_Nss1,(6Mbps)_2TX PSD

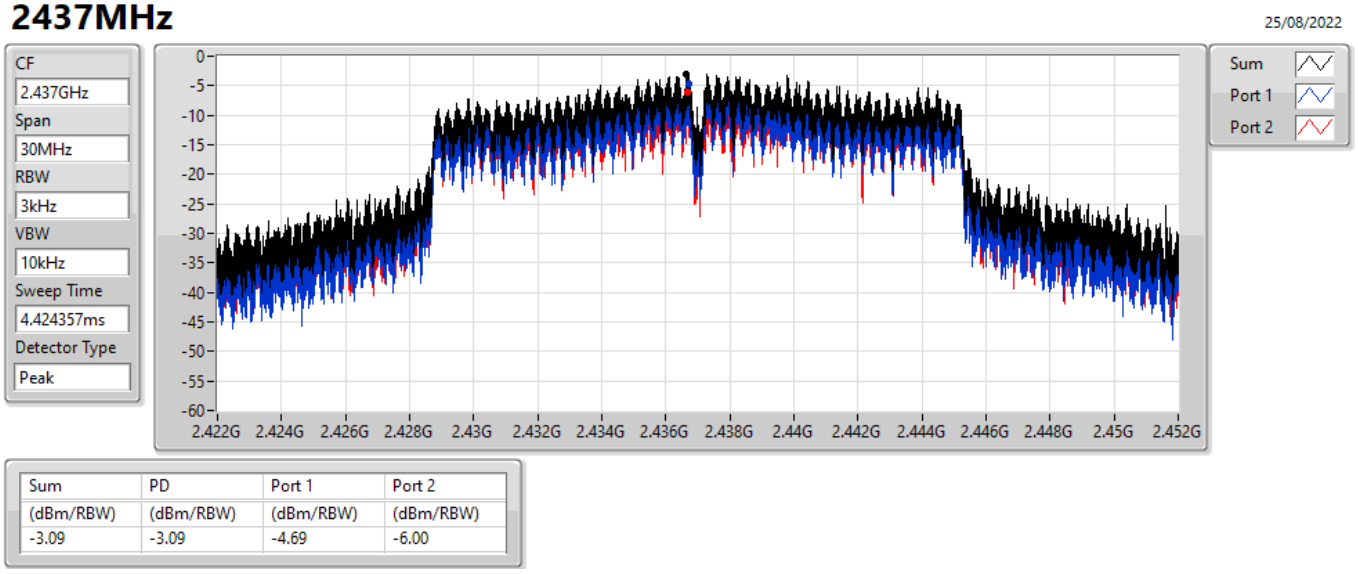
2417MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.68	-3.68	-7.84	-5.32

802.11g_Nss1,(6Mbps)_2TX PSD

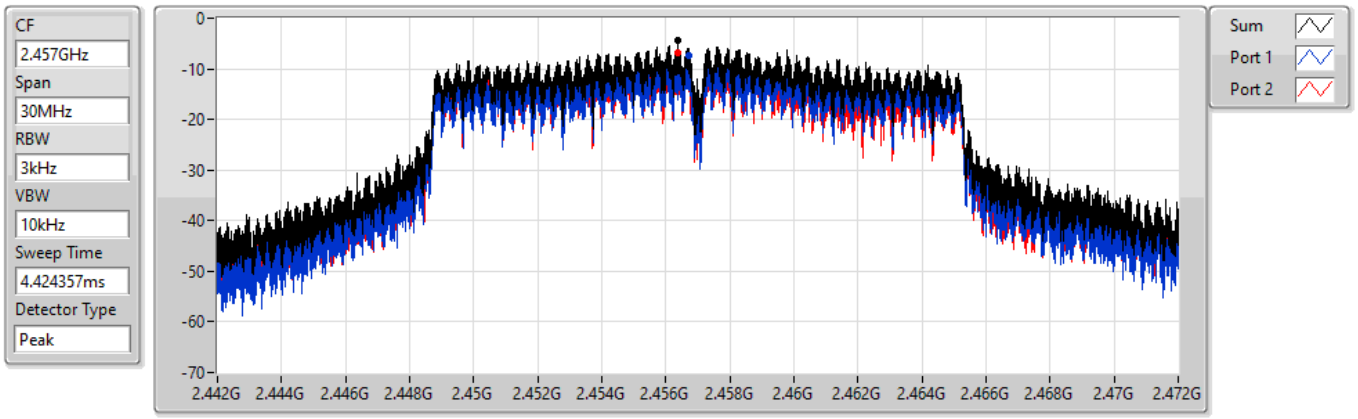
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.09	-3.09	-4.69	-6.00

802.11g_Nss1,(6Mbps)_2TX PSD

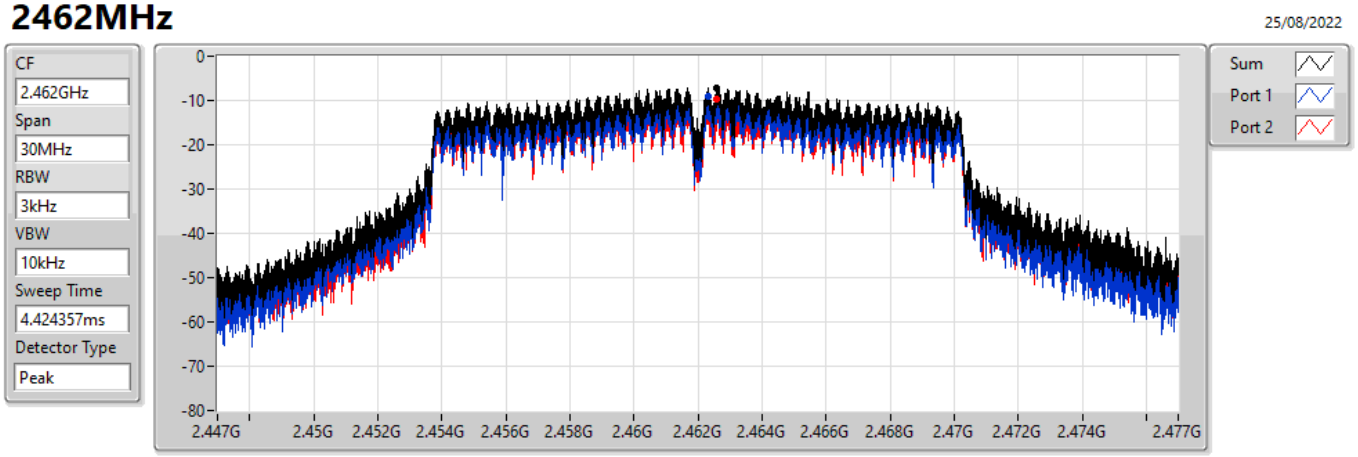
2457MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.47	-4.47	-7.36	-6.87

802.11g_Nss1,(6Mbps)_2TX PSD

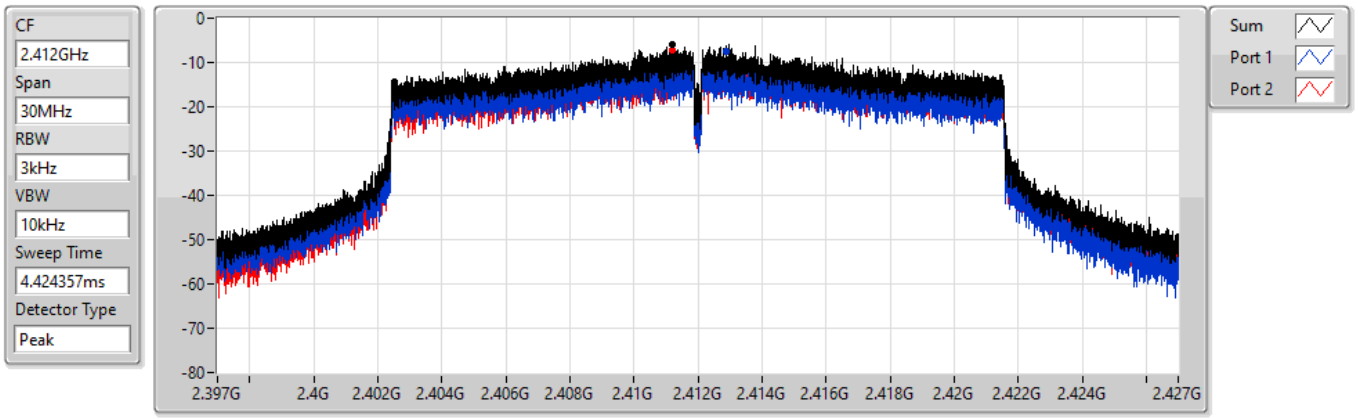
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.05	-7.05	-9.10	-9.80

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

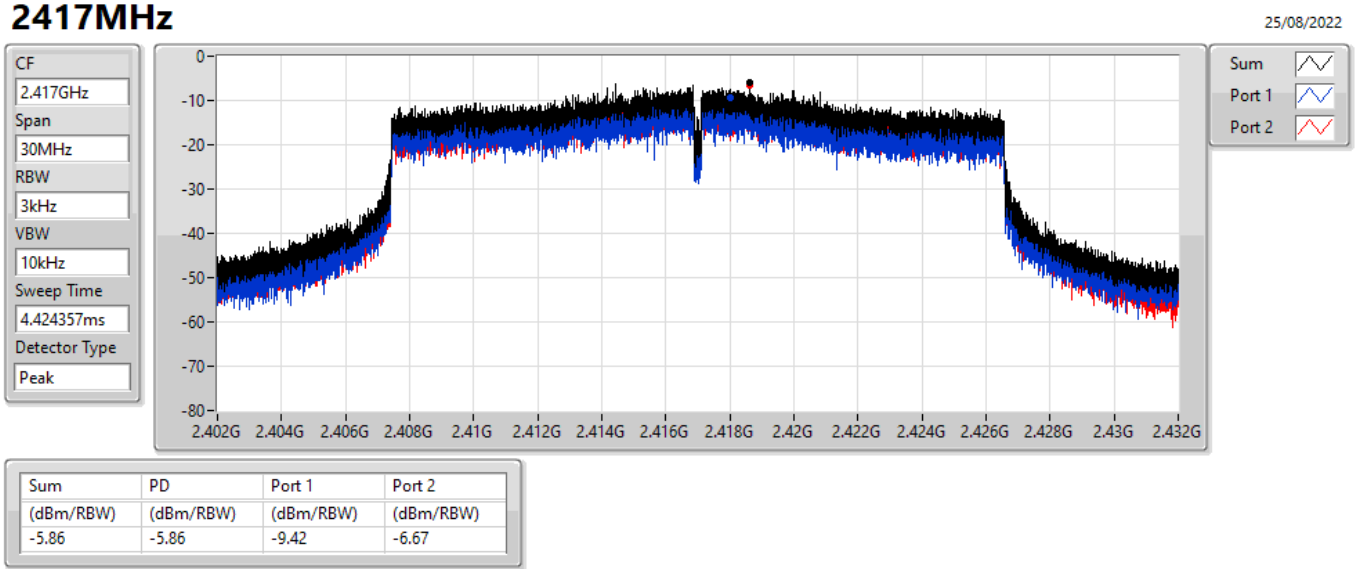
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.81	-5.81	-7.62	-7.25

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

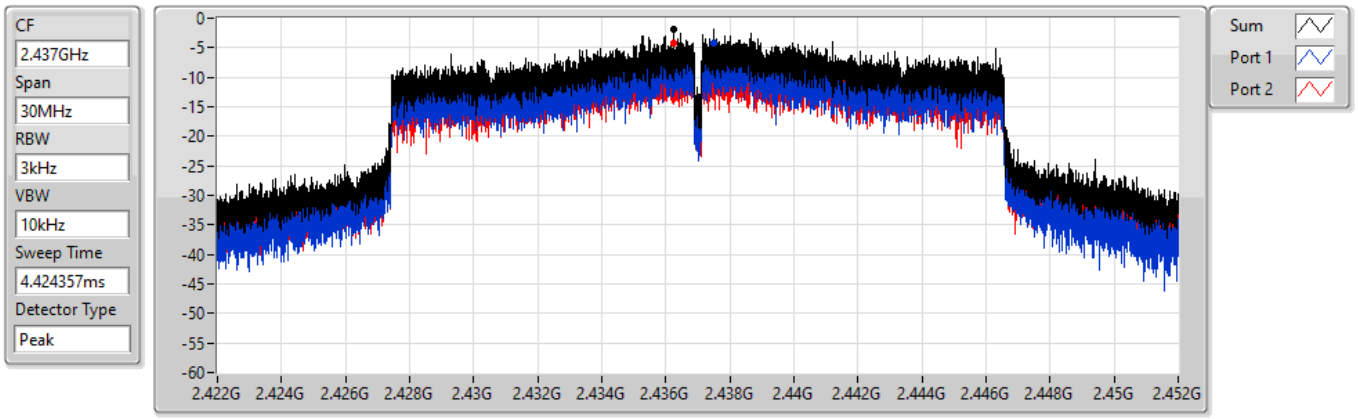
2417MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.86	-5.86	-9.42	-6.67

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

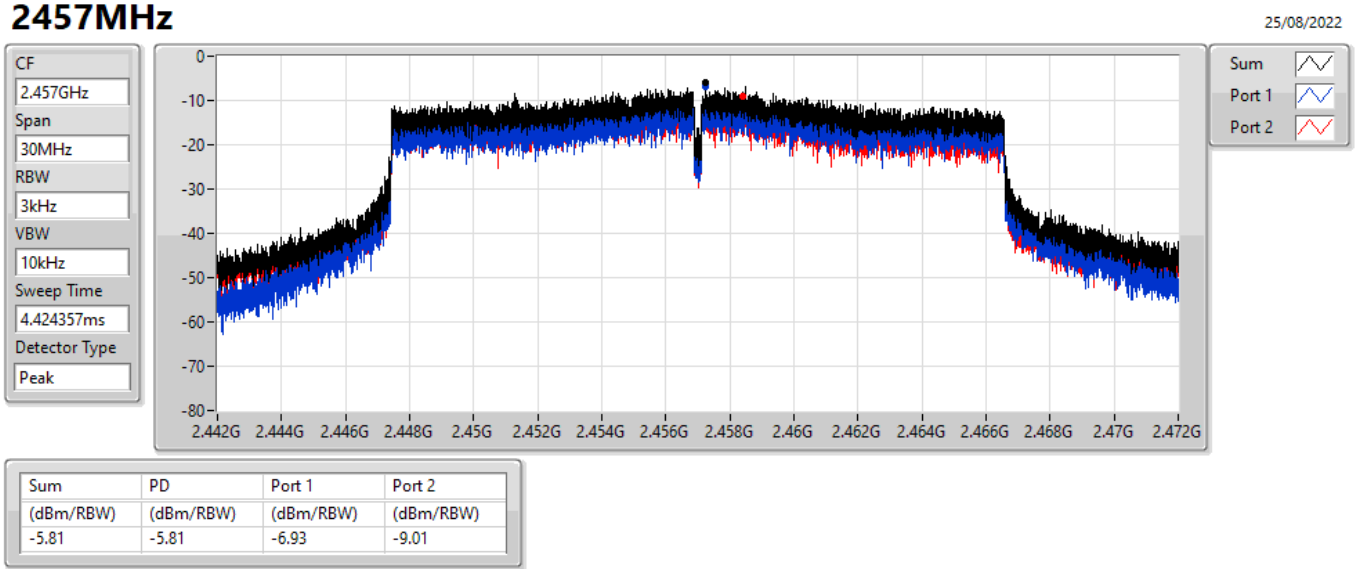
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.81	-1.81	-4.15	-4.33

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

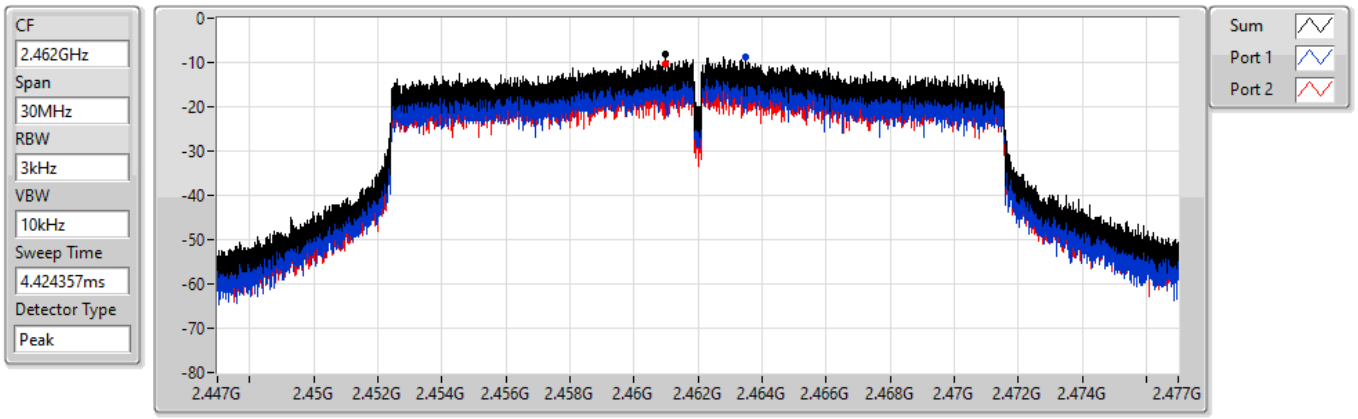
2457MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.81	-5.81	-6.93	-9.01

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

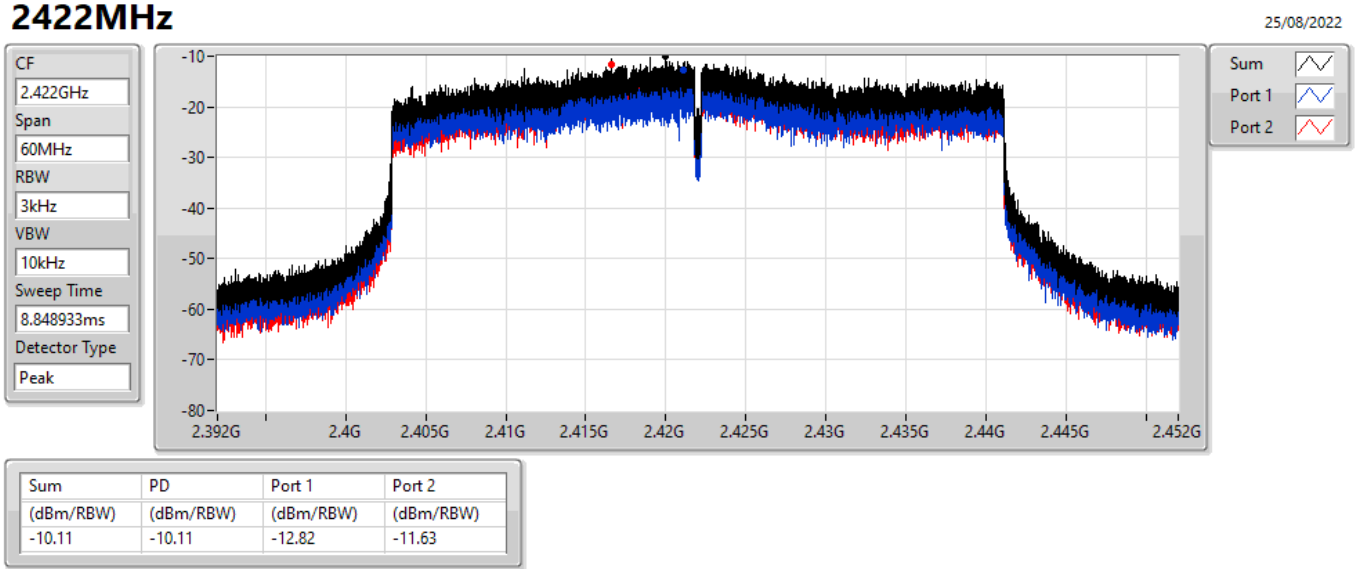
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.26	-8.26	-8.84	-10.35

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

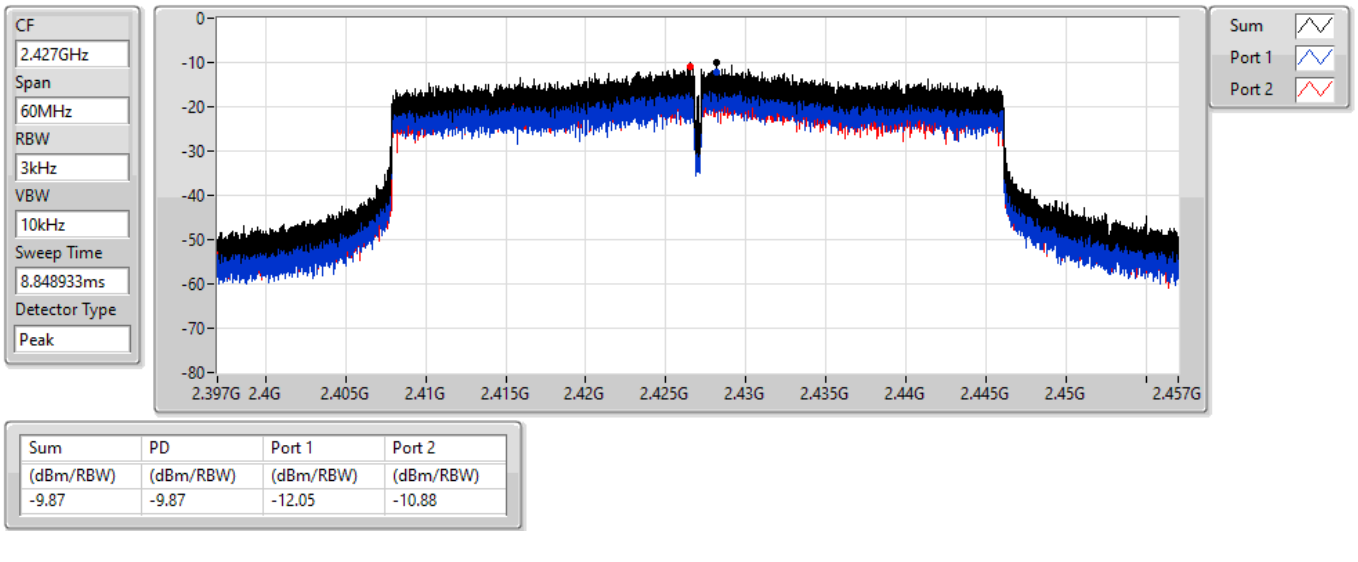
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.11	-10.11	-12.82	-11.63

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

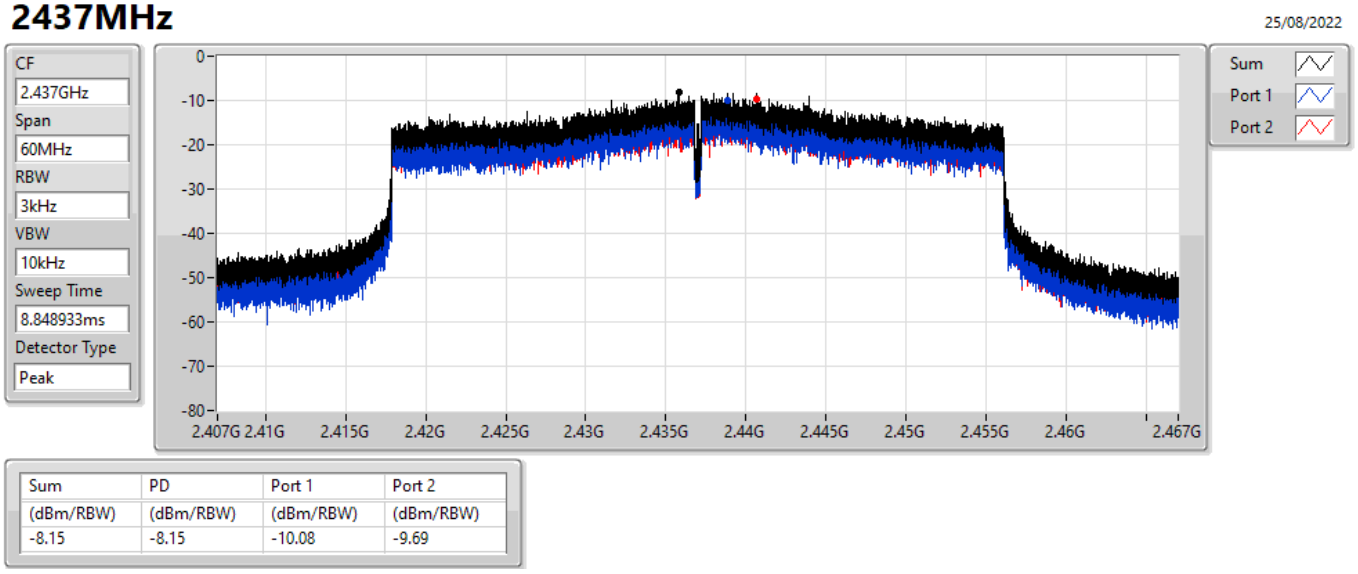
2427MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.87	-9.87	-12.05	-10.88

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

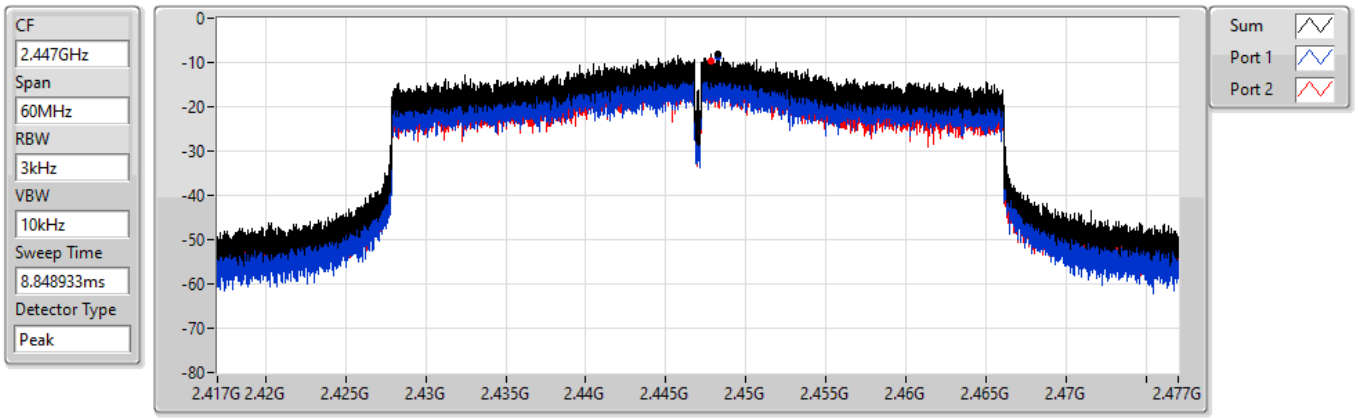
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.15	-8.15	-10.08	-9.69

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

2447MHz

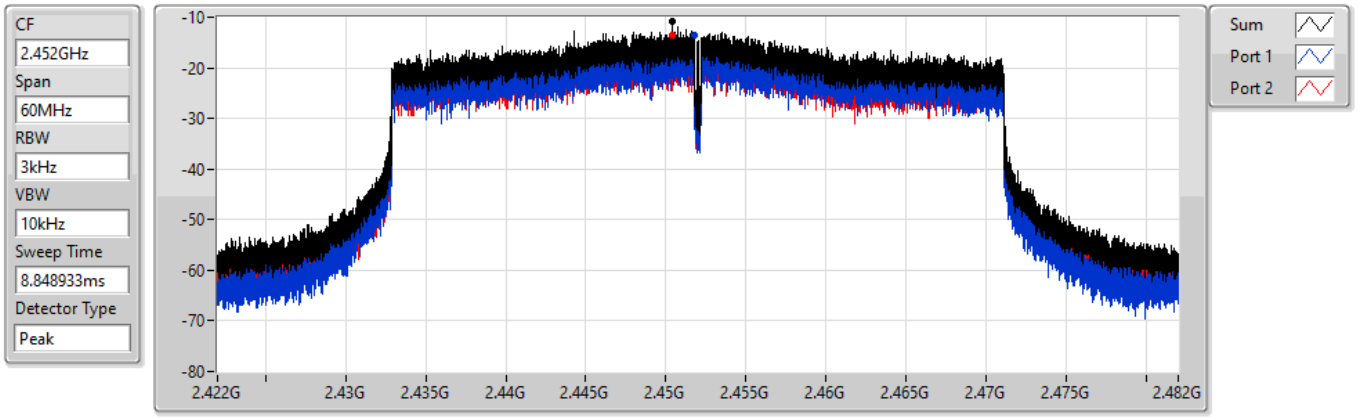


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.15	-8.15	-8.86	-9.69

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

2452MHz

25/08/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.84	-10.84	-13.54	-13.57

Summary

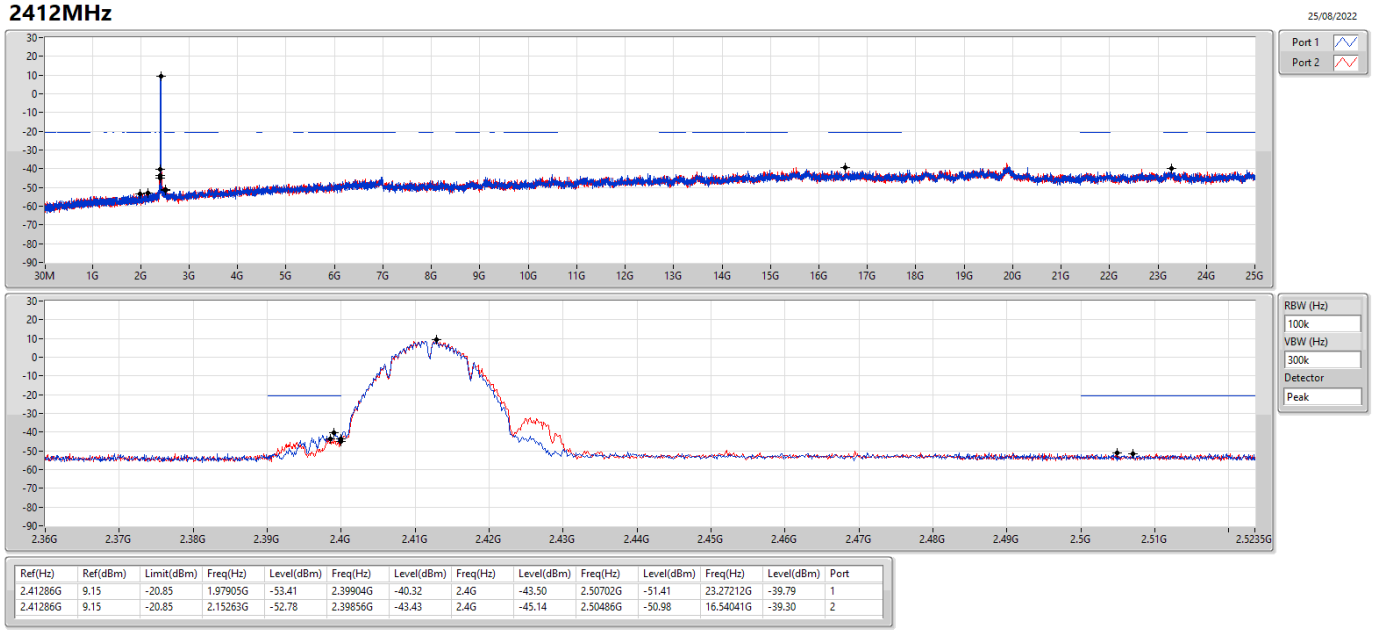
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.41286G	9.15	-20.85	1.97905G	-53.41	2.39904G	-40.32	2.4G	-43.50	2.50702G	-51.41	23.27212G	-39.79	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	11.37	-18.63	2.13632G	-52.34	2.3996G	-21.37	2.4G	-23.27	2.52062G	-51.01	16.43083G	-39.84	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43824G	12.93	-17.07	2.16894G	-52.37	2.39944G	-28.19	2.4G	-26.48	2.5051G	-51.07	14.80129G	-40.80	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.44075G	5.39	-24.61	2.30512G	-52.98	2.39952G	-30.05	2.4G	-37.19	2.54974G	-51.52	16.85836G	-40.36	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41286G	9.15	-20.85	1.97905G	-53.41	2.39904G	-40.32	2.4G	-43.50	2.50702G	-51.41	23.27212G	-39.79	1
2412MHz	Pass	2.41286G	9.15	-20.85	2.15263G	-52.78	2.39856G	-43.43	2.4G	-45.14	2.50486G	-50.98	16.54041G	-39.30	2
2437MHz	Pass	2.41286G	9.15	-20.85	2.17127G	-52.83	2.39808G	-52.29	2.4G	-54.54	2.51806G	-50.59	16.72022G	-39.73	1
2437MHz	Pass	2.41286G	9.15	-20.85	2.11885G	-53.01	2.39928G	-50.62	2.4G	-54.16	2.52046G	-51.56	23.54184G	-40.60	2
2462MHz	Pass	2.41286G	9.15	-20.85	2.10953G	-53.35	2.3996G	-52.35	2.4G	-54.30	2.50686G	-50.86	16.60503G	-40.16	1
2462MHz	Pass	2.41286G	9.15	-20.85	2.09205G	-52.64	2.39664G	-52.26	2.4G	-54.00	2.50054G	-51.39	15.0682G	-40.32	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	11.37	-18.63	2.11652G	-53.02	2.39832G	-22.74	2.4G	-21.78	2.51558G	-51.53	24.87076G	-40.49	1
2412MHz	Pass	2.43574G	11.37	-18.63	2.13632G	-52.34	2.3996G	-21.37	2.4G	-23.27	2.52062G	-51.01	16.43083G	-39.84	2
2437MHz	Pass	2.43574G	11.37	-18.63	2.08623G	-53.03	2.39984G	-34.98	2.4G	-34.73	2.51054G	-50.62	24.35942G	-40.71	1
2437MHz	Pass	2.43574G	11.37	-18.63	2.08506G	-51.93	2.39888G	-32.24	2.4G	-31.84	2.50518G	-50.97	24.92133G	-40.42	2
2462MHz	Pass	2.43574G	11.37	-18.63	2.09788G	-52.28	2.3976G	-51.20	2.4G	-54.27	2.50486G	-51.62	16.83822G	-40.90	1
2462MHz	Pass	2.43574G	11.37	-18.63	2.19574G	-53.17	2.39976G	-51.83	2.4G	-54.31	2.5079G	-51.34	24.56733G	-40.96	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	12.93	-17.07	2.16894G	-52.37	2.39944G	-28.19	2.4G	-26.48	2.5051G	-51.07	14.80129G	-40.80	1
2412MHz	Pass	2.43824G	12.93	-17.07	2.14331G	-53.03	2.39984G	-29.18	2.4G	-28.76	2.51406G	-50.87	16.72865G	-40.60	2
2437MHz	Pass	2.43824G	12.93	-17.07	2.09438G	-53.12	2.39664G	-32.59	2.4G	-33.92	2.50318G	-51.13	16.91408G	-40.29	1
2437MHz	Pass	2.43824G	12.93	-17.07	2.30175G	-53.00	2.39848G	-30.43	2.4G	-31.74	2.50934G	-51.20	23.1794G	-40.70	2
2462MHz	Pass	2.43824G	12.93	-17.07	2.11885G	-52.66	2.39816G	-51.92	2.4G	-53.98	2.5031G	-50.91	24.85109G	-40.86	1
2462MHz	Pass	2.43824G	12.93	-17.07	2.12118G	-52.65	2.39344G	-51.35	2.4G	-53.07	2.52326G	-51.25	15.07101G	-40.30	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	5.39	-24.61	2.11619G	-51.78	2.39984G	-35.05	2.4G	-35.63	2.54638G	-51.42	23.34811G	-40.57	1
2422MHz	Pass	2.44075G	5.39	-24.61	2.08757G	-52.98	2.39936G	-36.02	2.4G	-34.62	2.5387G	-50.97	16.22733G	-40.80	2
2437MHz	Pass	2.44075G	5.39	-24.61	2.30512G	-52.98	2.39952G	-30.05	2.4G	-37.19	2.54974G	-51.52	16.85836G	-40.36	1
2437MHz	Pass	2.44075G	5.39	-24.61	2.08642G	-52.91	2.39824G	-30.97	2.4G	-34.52	2.50734G	-50.94	17.19771G	-40.42	2
2452MHz	Pass	2.44075G	5.39	-24.61	2.10474G	-52.94	2.39984G	-51.65	2.4G	-53.27	2.52366G	-50.55	16.54705G	-40.15	1
2452MHz	Pass	2.44075G	5.39	-24.61	1.95933G	-52.48	2.39328G	-51.89	2.4G	-51.68	2.51406G	-51.68	16.86957G	-40.70	2

802.11b_Nss1,(1Mbps)_2TX **CSENdB**

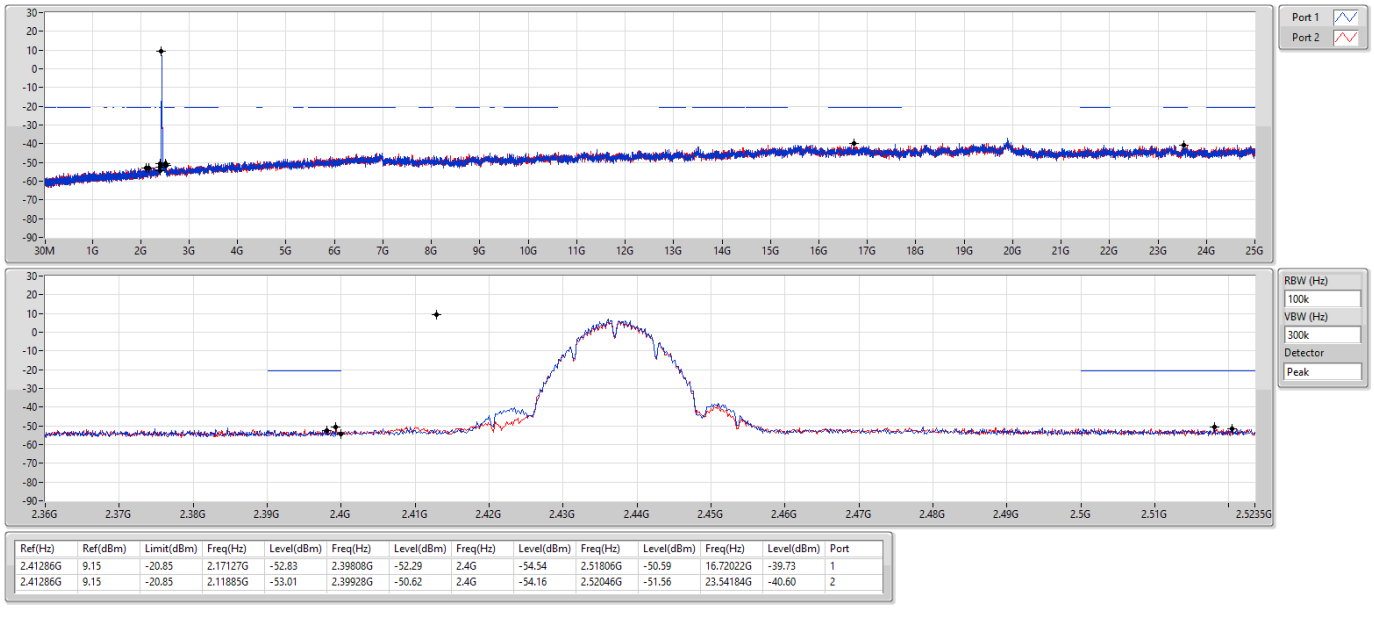
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41286G	9.15	-20.85	1.97905G	-53.41	2.39904G	-40.32	2.4G	-43.50	2.50702G	-51.41	23.27212G	-39.79	1
2.41286G	9.15	-20.85	2.15263G	-52.78	2.39856G	-43.43	2.4G	-45.14	2.50486G	-50.98	16.54041G	-39.30	2

802.11b_Nss1,(1Mbps)_2TX **CSENdB**

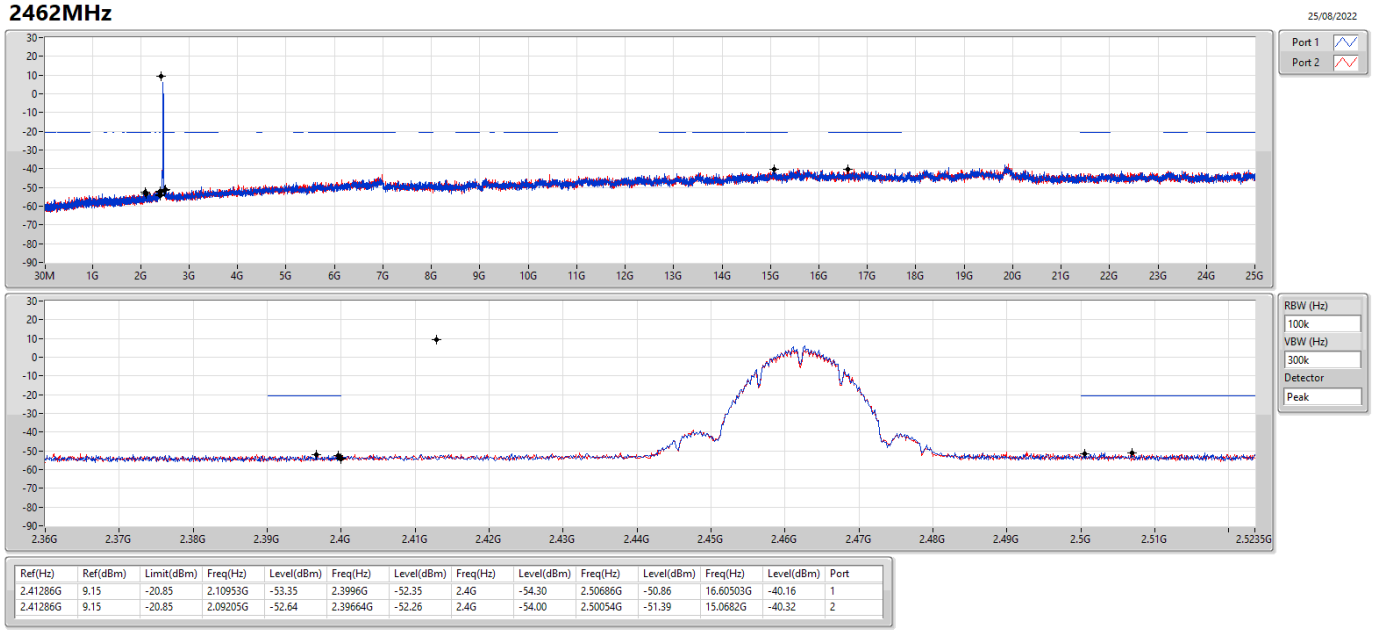
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41286G	9.15	-20.85	2.17127G	-52.83	2.39808G	-52.29	2.4G	-54.54	2.51806G	-50.59	16.72022G	-39.73	1
2.41286G	9.15	-20.85	2.11885G	-53.01	2.39928G	-50.62	2.4G	-54.16	2.52046G	-51.56	23.54184G	-40.60	2

802.11b_Nss1,(1Mbps)_2TX **CSENdB**

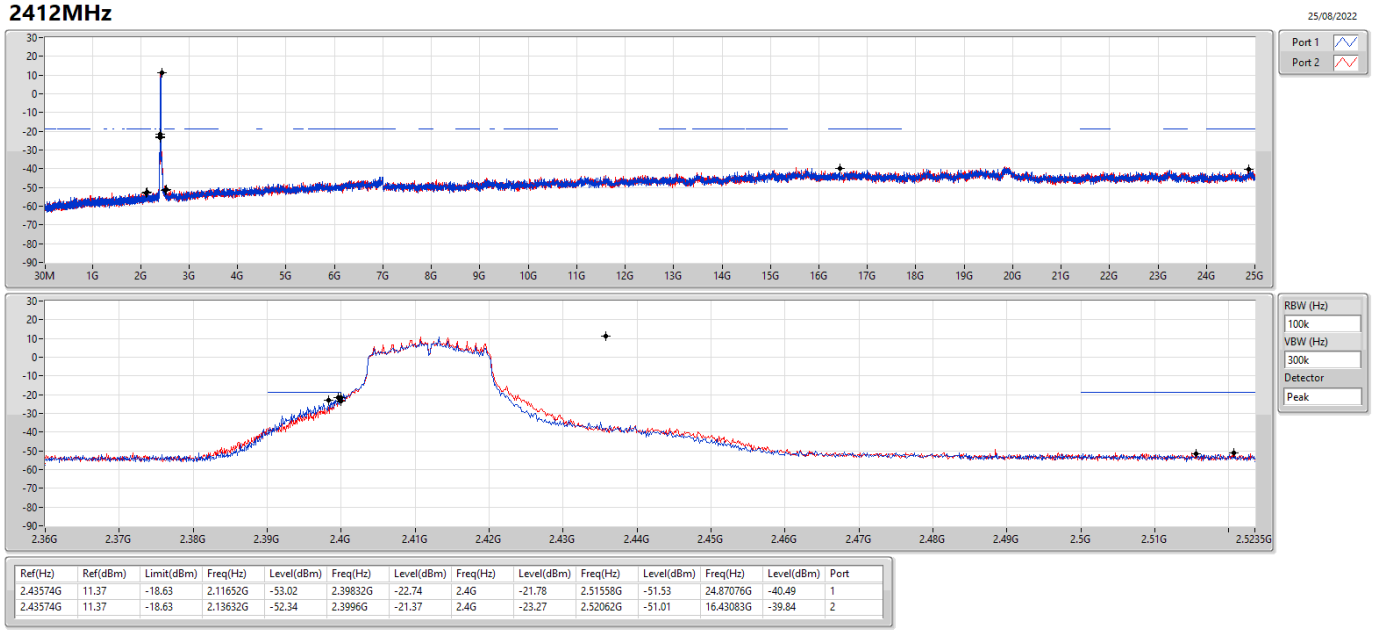
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41286G	9.15	-20.85	2.10953G	-53.35	2.3996G	-52.35	2.4G	-54.30	2.50686G	-50.86	16.60503G	-40.16	1
2.41286G	9.15	-20.85	2.09205G	-52.64	2.39664G	-52.26	2.4G	-54.00	2.50054G	-51.39	15.0682G	-40.32	2

802.11g_Nss1,(6Mbps)_2TX **CSENdB**

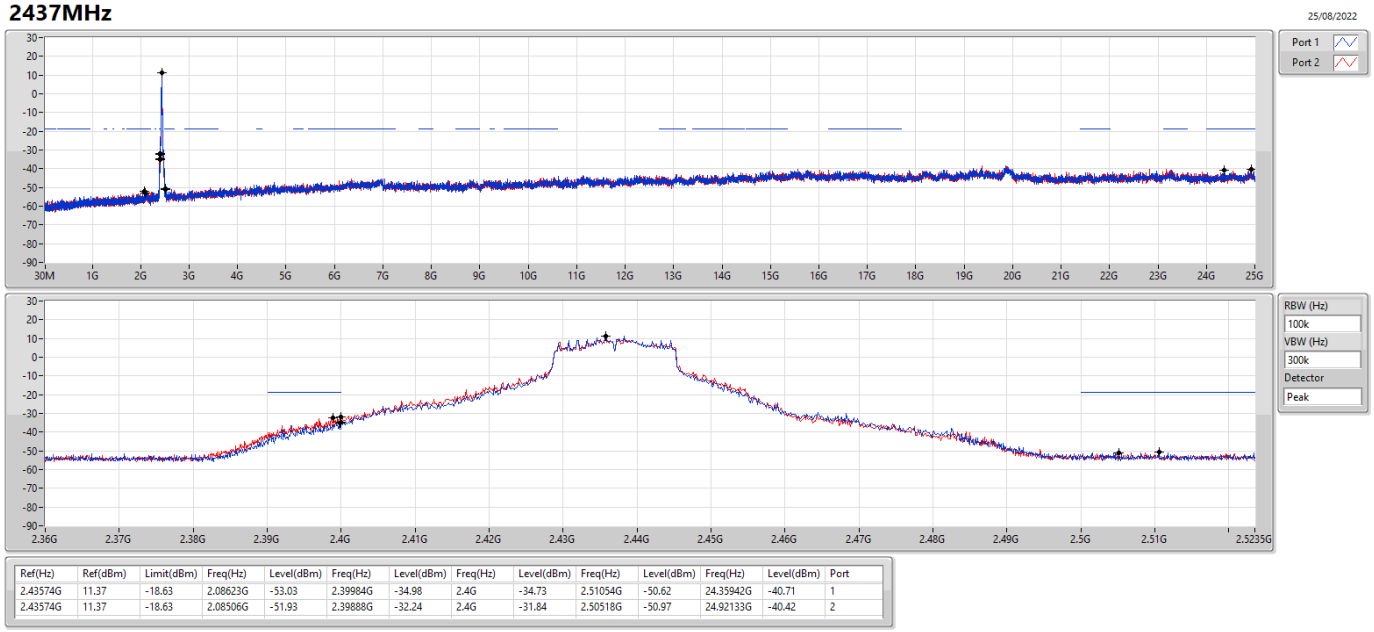
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	11.37	-18.63	2.11652G	-53.02	2.39832G	-22.74	2.4G	-21.78	2.51558G	-51.53	24.87076G	-40.49	1
2.43574G	11.37	-18.63	2.13632G	-52.34	2.3996G	-21.37	2.4G	-23.27	2.52062G	-51.01	16.43083G	-39.84	2

802.11g_Nss1,(6Mbps)_2TX **CSENdB**

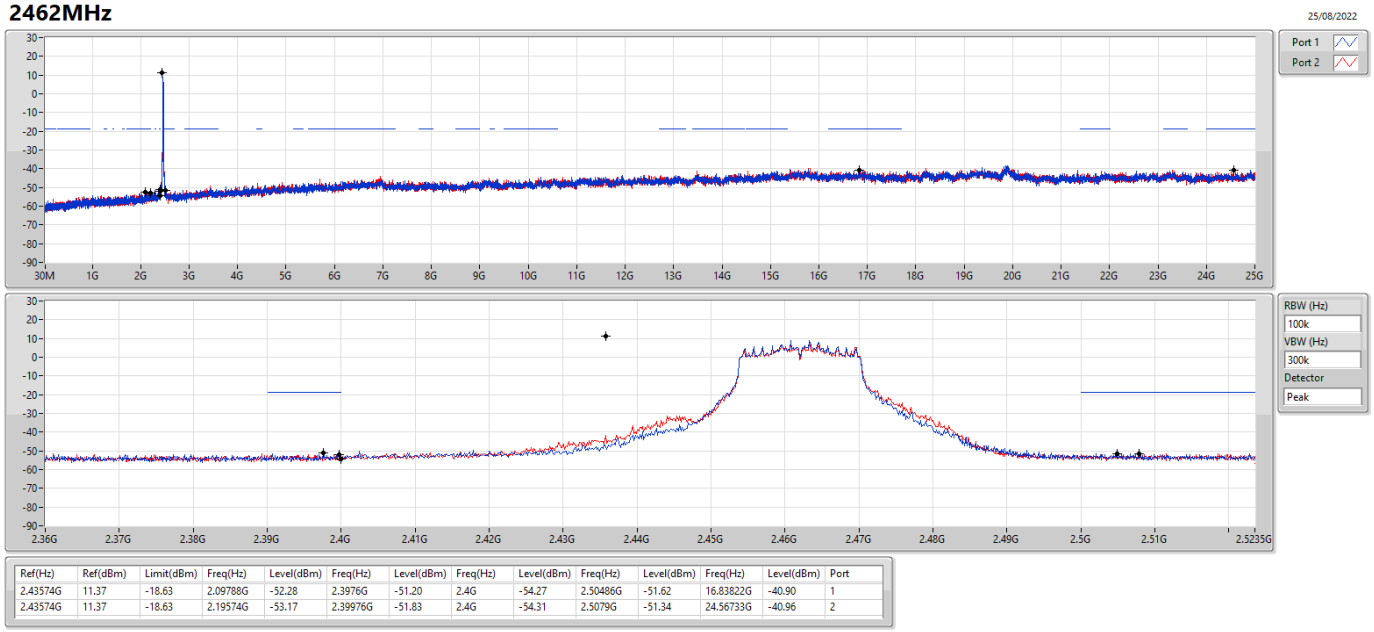
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	11.37	-18.63	2.08623G	-53.03	2.39984G	-34.98	2.4G	-34.73	2.51054G	-50.62	24.35942G	-40.71	1
2.43574G	11.37	-18.63	2.08506G	-51.93	2.39888G	-32.24	2.4G	-31.84	2.50518G	-50.97	24.92133G	-40.42	2

802.11g_Nss1,(6Mbps)_2TX **CSENdB**

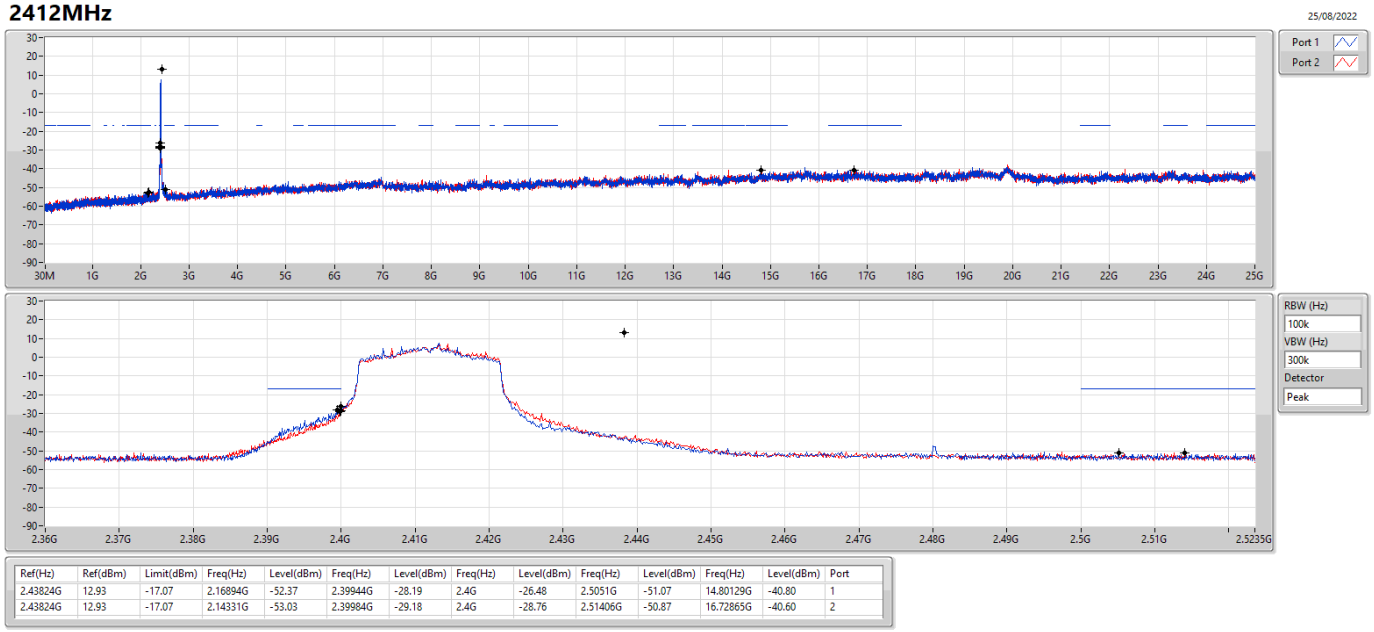
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	11.37	-18.63	2.09788G	-52.28	2.3976G	-51.20	2.4G	-54.27	2.50486G	-51.62	16.83822G	-40.90	1
2.43574G	11.37	-18.63	2.19574G	-53.17	2.39976G	-51.83	2.4G	-54.31	2.5079G	-51.34	24.56733G	-40.96	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSENdB**

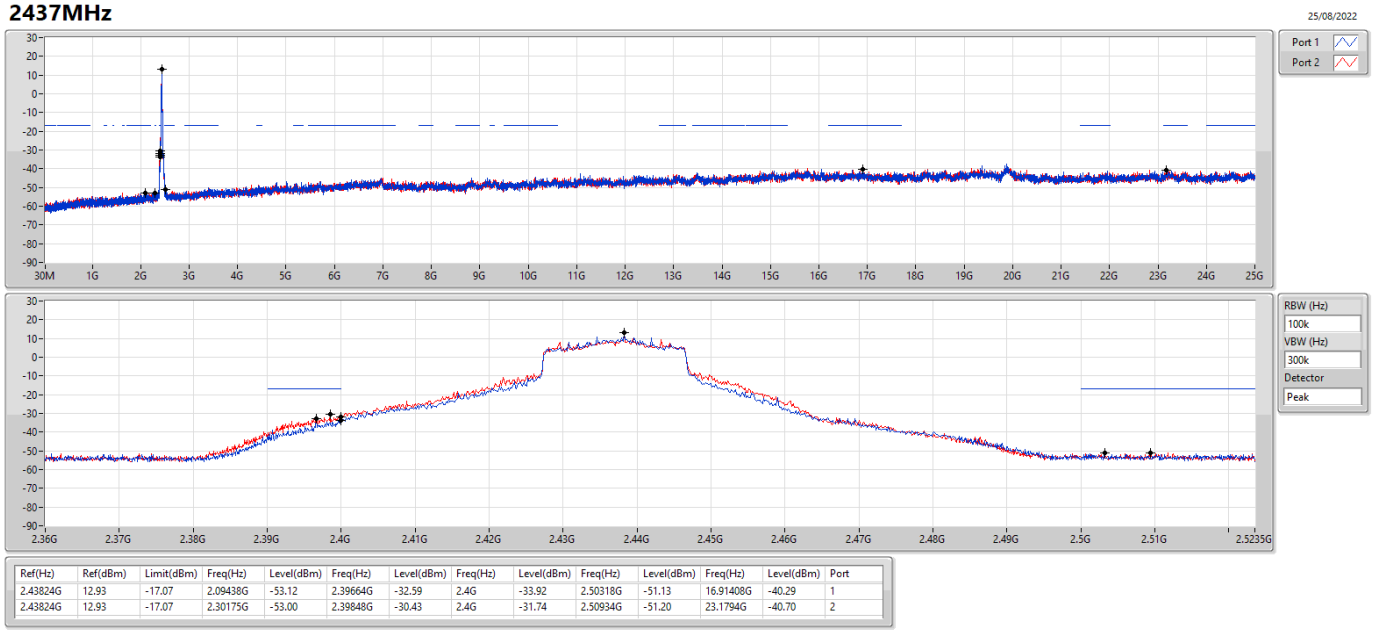
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	12.93	-17.07	2.16894G	-52.37	2.39944G	-28.19	2.4G	-26.48	2.5051G	-51.07	14.80129G	-40.80	1
2.43824G	12.93	-17.07	2.14331G	-53.03	2.39984G	-29.18	2.4G	-28.76	2.51406G	-50.87	16.72865G	-40.60	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSENdB**

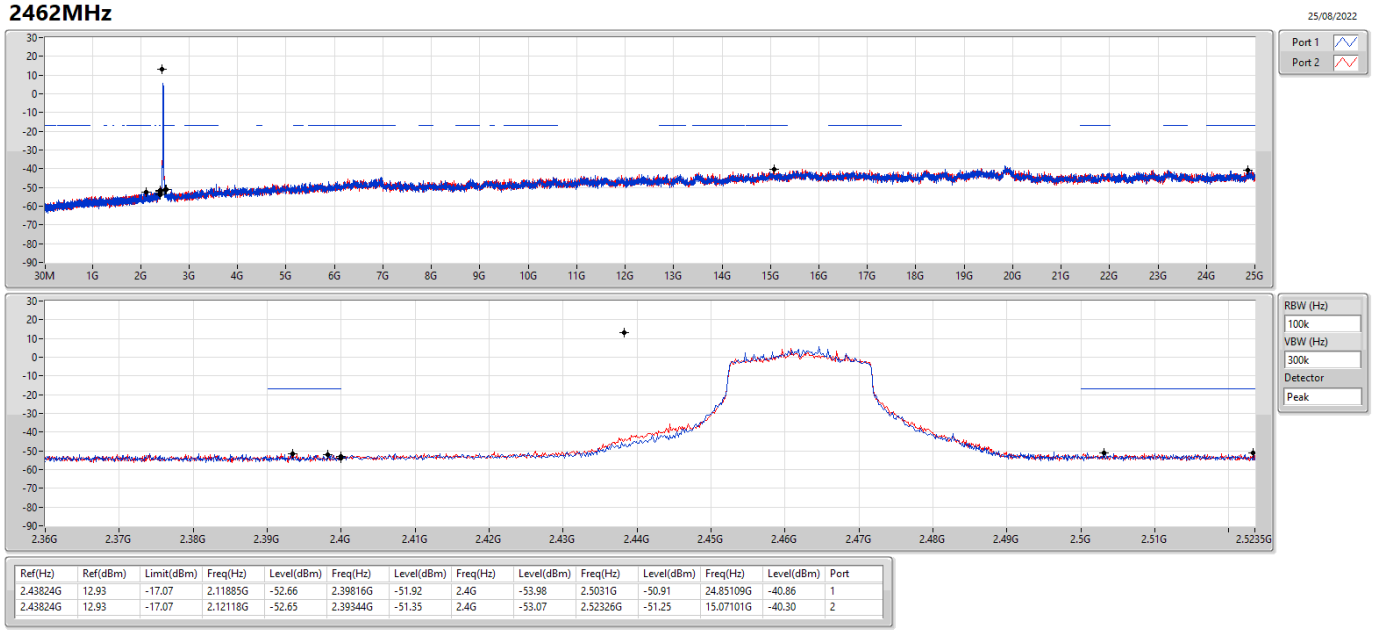
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	12.93	-17.07	2.09438G	-53.12	2.39664G	-32.59	2.4G	-33.92	2.50318G	-51.13	16.91408G	-40.29	1
2.43824G	12.93	-17.07	2.30175G	-53.00	2.39848G	-30.43	2.4G	-31.74	2.50934G	-51.20	23.1794G	-40.70	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSENdB**

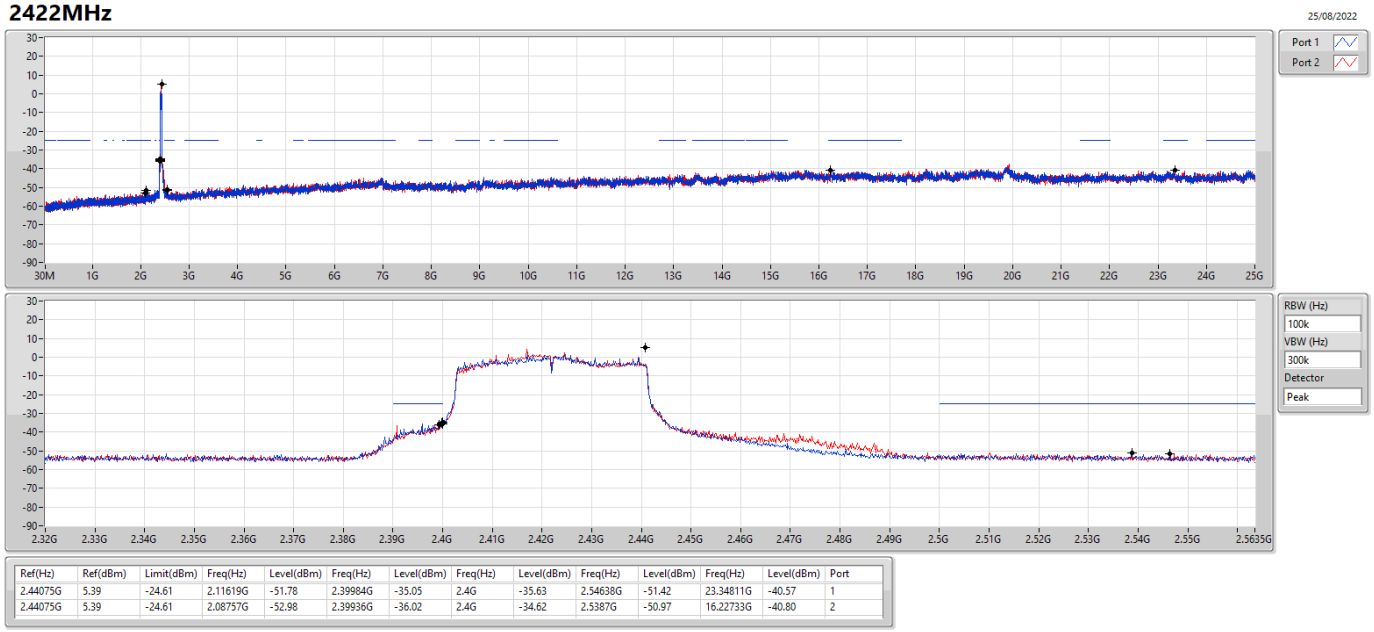
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	12.93	-17.07	2.11885G	-52.66	2.39816G	-51.92	2.4G	-53.98	2.5031G	-50.91	24.85109G	-40.86	1
2.43824G	12.93	-17.07	2.12118G	-52.65	2.39344G	-51.35	2.4G	-53.07	2.52326G	-51.25	15.07101G	-40.30	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSENdB**

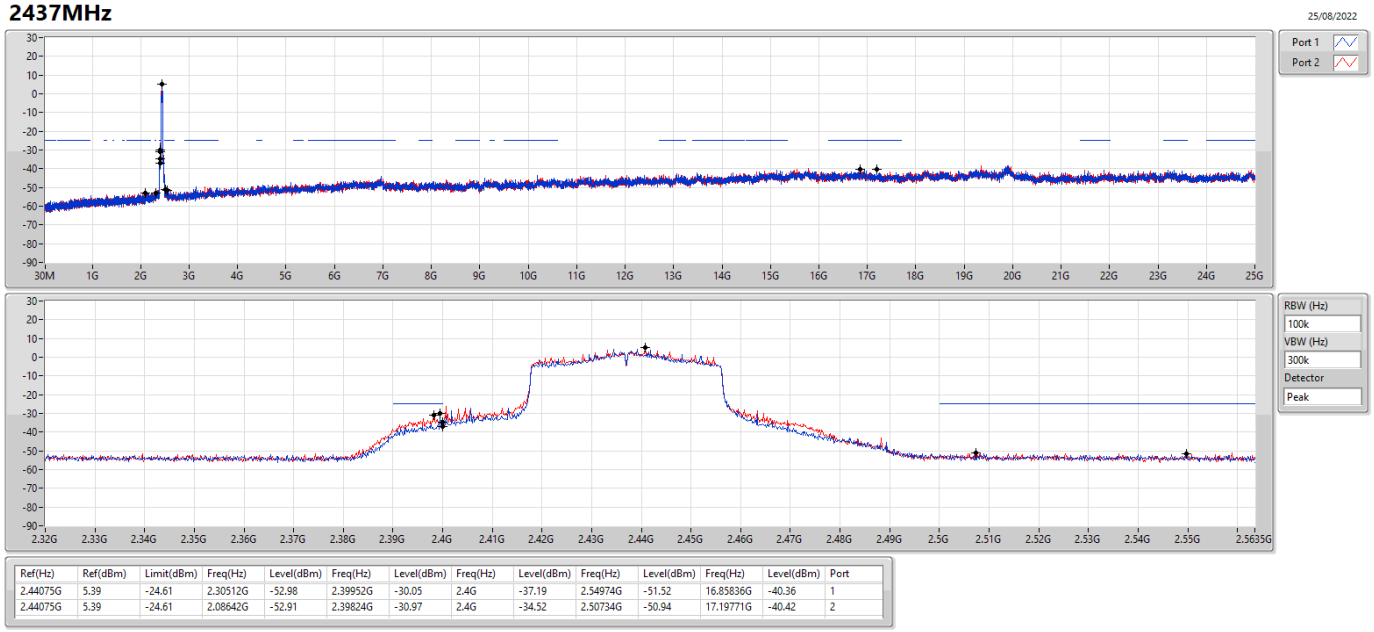
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	5.39	-24.61	2.11619G	-51.78	2.39984G	-35.05	2.4G	-35.63	2.54638G	-51.42	23.34811G	-40.57	1
2.44075G	5.39	-24.61	2.08757G	-52.98	2.39936G	-36.02	2.4G	-34.62	2.5387G	-50.97	16.22733G	-40.80	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSENdB**

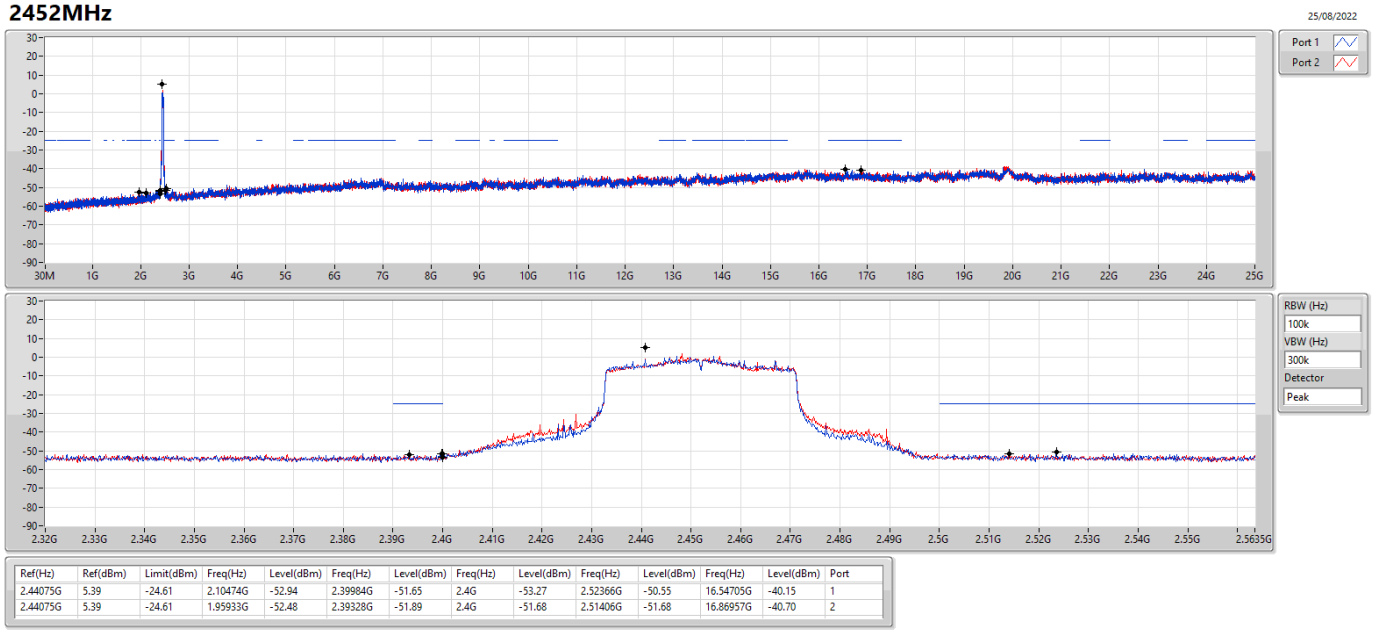
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	5.39	-24.61	2.30512G	-52.98	2.39952G	-30.05	2.4G	-37.19	2.54974G	-51.52	16.85836G	-40.36	1
2.44075G	5.39	-24.61	2.08642G	-52.91	2.39824G	-30.97	2.4G	-34.52	2.50734G	-50.94	17.19771G	-40.42	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSENdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	5.39	-24.61	2.10474G	-52.94	2.39984G	-51.65	2.4G	-53.27	2.52366G	-50.55	16.54705G	-40.15	1
2.44075G	5.39	-24.61	1.95933G	-52.48	2.39328G	-51.89	2.4G	-51.68	2.51406G	-51.68	16.86957G	-40.70	2

Summary

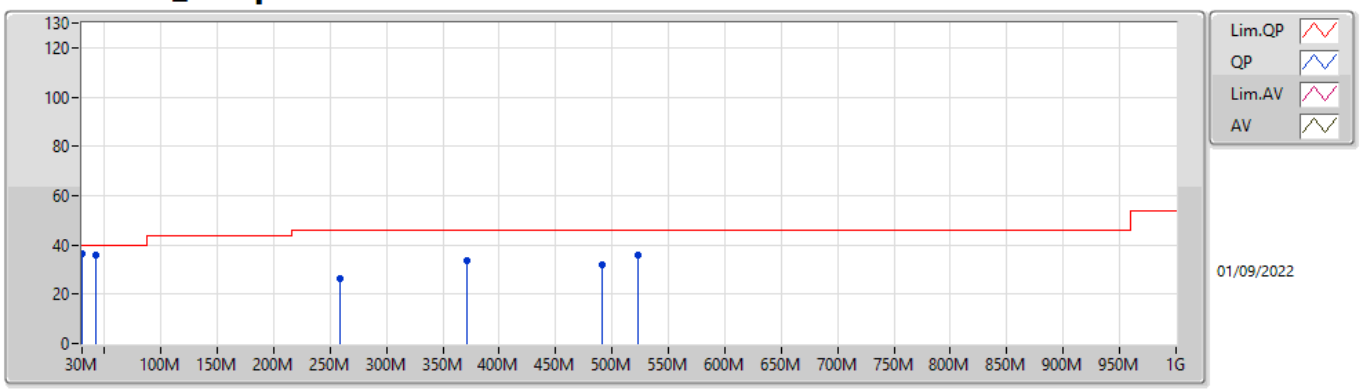
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	30M	36.46	40.00	-3.54	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	36.46	40.00	-3.54	3	Vertical	0	1.00	-
2437MHz	Pass	PK	41.64M	35.61	40.00	-4.39	3	Vertical	0	1.00	-
2437MHz	Pass	PK	258.92M	26.49	46.00	-19.51	3	Vertical	0	1.00	-
2437MHz	Pass	PK	371.44M	33.90	46.00	-12.10	3	Vertical	0	1.00	-
2437MHz	Pass	PK	491.72M	31.82	46.00	-14.18	3	Vertical	0	1.00	-
2437MHz	Pass	PK	522.76M	35.88	46.00	-10.12	3	Vertical	0	1.00	-
2437MHz	Pass	PK	127M	26.83	43.50	-16.67	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	239.52M	28.54	46.00	-17.46	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	371.44M	34.26	46.00	-11.74	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	518.88M	34.04	46.00	-11.96	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	575.14M	31.54	46.00	-14.46	3	Horizontal	360	1.00	-
2437MHz	Pass	QP	30M	30.82	40.00	-9.18	3	Horizontal	59	1.00	-

802.11ax HEW40_Nss1,(MCS0)_2TX

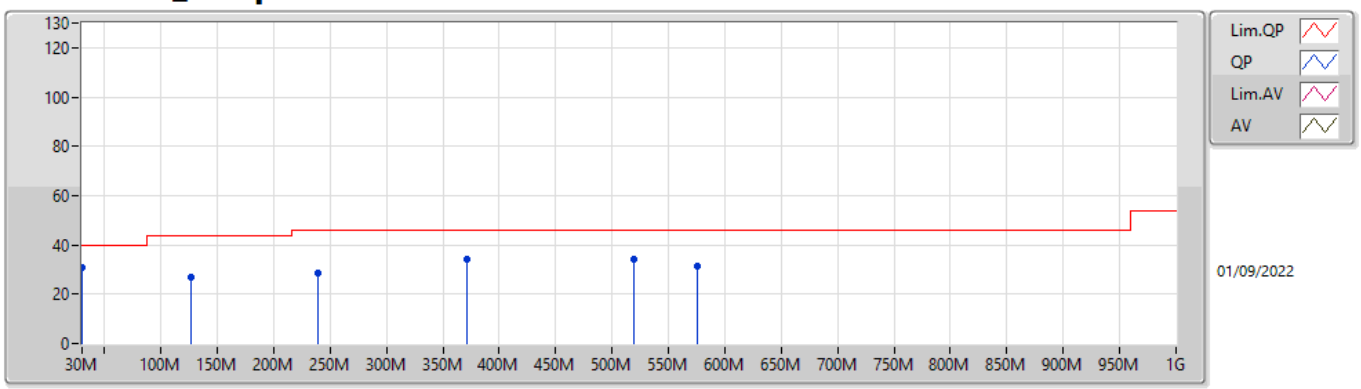
2437MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	36.46	40.00	-3.54	-2.68	3	Vertical	0	1.00	-	39.14	23.26	1.02	26.96
PK	41.64M	35.61	40.00	-4.39	-9.09	3	Vertical	0	1.00	-	44.70	16.80	1.03	26.92
PK	258.92M	26.49	46.00	-19.51	-6.23	3	Vertical	0	1.00	-	32.72	18.64	2.30	27.17
PK	371.44M	33.90	46.00	-12.10	-4.86	3	Vertical	0	1.00	-	38.76	20.01	2.78	27.65
PK	491.72M	31.82	46.00	-14.18	-2.35	3	Vertical	0	1.00	-	34.17	22.71	3.27	28.33
PK	522.76M	35.88	46.00	-10.12	-2.45	3	Vertical	0	1.00	-	38.33	22.67	3.36	28.48

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	127M	26.83	43.50	-16.67	-8.88	3	Horizontal	360	1.00	-	35.71	17.28	1.59	27.75
PK	239.52M	28.54	46.00	-17.46	-8.58	3	Horizontal	360	1.00	-	37.12	16.42	2.21	27.21
PK	371.44M	34.26	46.00	-11.74	-4.86	3	Horizontal	360	1.00	-	39.12	20.01	2.78	27.65
PK	518.88M	34.04	46.00	-11.96	-2.46	3	Horizontal	360	1.00	-	36.50	22.64	3.35	28.45
PK	575.14M	31.54	46.00	-14.46	-1.14	3	Horizontal	360	1.00	-	32.68	23.90	3.50	28.54
QP	30M	30.82	40.00	-9.18	-2.68	3	Horizontal	59	1.00	-	33.50	23.26	1.02	26.96

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	4.87404G	53.87	54.00	-0.13	3	Vertical	204	2.92	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.39G	53.66	54.00	-0.34	3	Horizontal	324	2.20	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.53	54.00	-0.47	3	Vertical	17	1.71	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.79	54.00	-0.21	3	Vertical	9	2.31	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.383G	48.64	54.00	-5.36	3	Vertical	13	2.36	-
2412MHz	Pass	AV	2.4114G	103.21	Inf	-Inf	3	Vertical	13	2.36	-
2412MHz	Pass	PK	2.3674G	58.26	74.00	-15.74	3	Vertical	13	2.36	-
2412MHz	Pass	PK	2.413G	107.13	Inf	-Inf	3	Vertical	13	2.36	-
2412MHz	Pass	AV	2.3638G	48.45	54.00	-5.55	3	Horizontal	328	1.50	-
2412MHz	Pass	AV	2.4112G	104.94	Inf	-Inf	3	Horizontal	328	1.50	-
2412MHz	Pass	PK	2.3848G	58.91	74.00	-15.09	3	Horizontal	328	1.50	-
2412MHz	Pass	PK	2.413G	108.53	Inf	-Inf	3	Horizontal	328	1.50	-
2412MHz	Pass	AV	4.82404G	53.58	54.00	-0.42	3	Vertical	210	2.96	-
2412MHz	Pass	PK	4.824G	55.81	74.00	-18.19	3	Vertical	210	2.96	-
2412MHz	Pass	AV	4.82404G	48.20	54.00	-5.80	3	Horizontal	234	1.50	-
2412MHz	Pass	PK	4.824G	51.59	74.00	-22.41	3	Horizontal	234	1.50	-
2437MHz	Pass	AV	2.3746G	48.50	54.00	-5.50	3	Vertical	14	1.93	-
2437MHz	Pass	AV	2.4362G	103.49	Inf	-Inf	3	Vertical	14	1.93	-
2437MHz	Pass	AV	2.4918G	49.14	54.00	-4.86	3	Vertical	14	1.93	-
2437MHz	Pass	PK	2.353G	58.10	74.00	-15.90	3	Vertical	14	1.93	-
2437MHz	Pass	PK	2.4382G	107.18	Inf	-Inf	3	Vertical	14	1.93	-
2437MHz	Pass	PK	2.4966G	58.41	74.00	-15.59	3	Vertical	14	1.93	-
2437MHz	Pass	AV	2.3506G	48.48	54.00	-5.52	3	Horizontal	327	1.24	-
2437MHz	Pass	AV	2.4362G	104.21	Inf	-Inf	3	Horizontal	327	1.24	-
2437MHz	Pass	AV	2.4942G	49.16	54.00	-4.84	3	Horizontal	327	1.24	-
2437MHz	Pass	PK	2.3502G	59.28	74.00	-14.72	3	Horizontal	327	1.24	-
2437MHz	Pass	PK	2.4382G	107.89	Inf	-Inf	3	Horizontal	327	1.24	-
2437MHz	Pass	PK	2.4842G	58.32	74.00	-15.68	3	Horizontal	327	1.24	-
2437MHz	Pass	AV	4.87404G	53.87	54.00	-0.13	3	Vertical	204	2.92	-
2437MHz	Pass	AV	7.31608G	37.84	54.00	-16.16	3	Vertical	360	2.10	-
2437MHz	Pass	PK	4.874G	55.82	74.00	-18.18	3	Vertical	204	2.92	-
2437MHz	Pass	PK	7.31636G	49.76	74.00	-24.24	3	Vertical	360	2.10	-
2437MHz	Pass	AV	4.87404G	48.59	54.00	-5.41	3	Horizontal	233	1.36	-
2437MHz	Pass	AV	7.31944G	37.79	54.00	-16.21	3	Horizontal	110	1.47	-
2437MHz	Pass	PK	4.87396G	51.63	74.00	-22.37	3	Horizontal	233	1.36	-
2437MHz	Pass	PK	7.32064G	50.18	74.00	-23.82	3	Horizontal	110	1.47	-
2457MHz	Pass	AV	2.4564G	101.57	Inf	-Inf	3	Vertical	13	2.32	-
2457MHz	Pass	AV	2.4858G	49.20	54.00	-4.80	3	Vertical	13	2.32	-
2457MHz	Pass	PK	2.4562G	105.16	Inf	-Inf	3	Vertical	13	2.32	-
2457MHz	Pass	PK	2.4894G	59.12	74.00	-14.88	3	Vertical	13	2.32	-
2457MHz	Pass	AV	2.4564G	102.28	Inf	-Inf	3	Horizontal	330	1.36	-
2457MHz	Pass	AV	2.4896G	49.00	54.00	-5.00	3	Horizontal	330	1.36	-
2457MHz	Pass	PK	2.4562G	105.84	Inf	-Inf	3	Horizontal	330	1.36	-
2457MHz	Pass	PK	2.4916G	58.89	74.00	-15.11	3	Horizontal	330	1.36	-
2457MHz	Pass	AV	4.914G	53.82	54.00	-0.18	3	Vertical	214	1.85	-
2457MHz	Pass	AV	7.36432G	37.44	54.00	-16.56	3	Vertical	234	1.02	-
2457MHz	Pass	PK	4.91408G	55.98	74.00	-18.02	3	Vertical	214	1.85	-
2457MHz	Pass	PK	7.36212G	49.35	74.00	-24.65	3	Vertical	234	1.02	-
2457MHz	Pass	AV	4.91396G	47.18	54.00	-6.82	3	Horizontal	234	1.50	-
2457MHz	Pass	AV	7.36104G	37.22	54.00	-16.78	3	Horizontal	137	2.26	-
2457MHz	Pass	PK	4.914G	51.36	74.00	-22.64	3	Horizontal	234	1.50	-
2457MHz	Pass	PK	7.36408G	49.45	74.00	-24.55	3	Horizontal	137	2.26	-
2462MHz	Pass	AV	2.4608G	102.84	Inf	-Inf	3	Vertical	19	2.10	-
2462MHz	Pass	AV	2.4966G	49.31	54.00	-4.69	3	Vertical	19	2.10	-
2462MHz	Pass	PK	2.463G	106.34	Inf	-Inf	3	Vertical	19	2.10	-
2462MHz	Pass	PK	2.4916G	58.69	74.00	-15.31	3	Vertical	19	2.10	-
2462MHz	Pass	AV	2.4614G	103.25	Inf	-Inf	3	Horizontal	329	1.33	-
2462MHz	Pass	AV	2.4986G	49.07	54.00	-4.93	3	Horizontal	329	1.33	-
2462MHz	Pass	PK	2.4612G	106.84	Inf	-Inf	3	Horizontal	329	1.33	-
2462MHz	Pass	PK	2.491G	59.02	74.00	-14.98	3	Horizontal	329	1.33	-
2462MHz	Pass	AV	4.924G	53.65	54.00	-0.35	3	Vertical	212	1.26	-
2462MHz	Pass	AV	7.3796G	37.30	54.00	-16.70	3	Vertical	49	2.68	-
2462MHz	Pass	PK	4.92392G	55.65	74.00	-18.35	3	Vertical	212	1.26	-
2462MHz	Pass	PK	7.38476G	49.07	74.00	-24.93	3	Vertical	49	2.68	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	4.924G	47.95	54.00	-6.05	3	Horizontal	141	1.45	-
2462MHz	Pass	AV	7.38004G	37.49	54.00	-16.51	3	Horizontal	218	1.98	-
2462MHz	Pass	PK	4.92408G	51.37	74.00	-22.63	3	Horizontal	141	1.45	-
2462MHz	Pass	PK	7.38104G	49.52	74.00	-24.48	3	Horizontal	218	1.98	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3888G	51.49	54.00	-2.51	3	Vertical	20	1.60	-
2412MHz	Pass	AV	2.4132G	104.50	Inf	-Inf	3	Vertical	20	1.60	-
2412MHz	Pass	PK	2.3894G	63.10	74.00	-10.90	3	Vertical	20	1.60	-
2412MHz	Pass	PK	2.4128G	113.93	Inf	-Inf	3	Vertical	20	1.60	-
2412MHz	Pass	AV	2.39G	53.47	54.00	-0.53	3	Horizontal	327	2.21	-
2412MHz	Pass	AV	2.411G	107.13	Inf	-Inf	3	Horizontal	327	2.21	-
2412MHz	Pass	PK	2.39G	62.84	74.00	-11.16	3	Horizontal	327	2.21	-
2412MHz	Pass	PK	2.4112G	116.30	Inf	-Inf	3	Horizontal	327	2.21	-
2412MHz	Pass	AV	4.8258G	44.23	54.00	-9.77	3	Vertical	208	1.29	-
2412MHz	Pass	PK	4.82564G	58.26	74.00	-15.74	3	Vertical	208	1.29	-
2412MHz	Pass	AV	4.82572G	39.12	54.00	-14.88	3	Horizontal	231	1.50	-
2412MHz	Pass	PK	4.82552G	52.49	74.00	-21.51	3	Horizontal	231	1.50	-
2417MHz	Pass	AV	2.3886G	50.40	54.00	-3.60	3	Vertical	17	1.60	-
2417MHz	Pass	AV	2.418G	106.62	Inf	-Inf	3	Vertical	17	1.60	-
2417MHz	Pass	PK	2.3886G	61.37	74.00	-12.63	3	Vertical	17	1.60	-
2417MHz	Pass	PK	2.4178G	116.25	Inf	-Inf	3	Vertical	17	1.60	-
2417MHz	Pass	AV	2.39G	53.66	54.00	-0.34	3	Horizontal	324	2.20	-
2417MHz	Pass	AV	2.4158G	109.19	Inf	-Inf	3	Horizontal	324	2.20	-
2417MHz	Pass	PK	2.39G	65.83	74.00	-8.17	3	Horizontal	324	2.20	-
2417MHz	Pass	PK	2.4152G	118.81	Inf	-Inf	3	Horizontal	324	2.20	-
2437MHz	Pass	AV	2.3898G	52.06	54.00	-1.94	3	Vertical	12	1.52	-
2437MHz	Pass	AV	2.4382G	108.56	Inf	-Inf	3	Vertical	12	1.52	-
2437MHz	Pass	AV	2.4835G	52.75	54.00	-1.25	3	Vertical	12	1.52	-
2437MHz	Pass	PK	2.3886G	63.61	74.00	-10.39	3	Vertical	12	1.52	-
2437MHz	Pass	PK	2.4386G	117.44	Inf	-Inf	3	Vertical	12	1.52	-
2437MHz	Pass	PK	2.4835G	64.15	74.00	-9.85	3	Vertical	12	1.52	-
2437MHz	Pass	AV	2.3898G	53.53	54.00	-0.47	3	Horizontal	325	1.82	-
2437MHz	Pass	AV	2.4362G	109.31	Inf	-Inf	3	Horizontal	325	1.82	-
2437MHz	Pass	AV	2.4854G	51.71	54.00	-2.29	3	Horizontal	325	1.82	-
2437MHz	Pass	PK	2.3894G	63.43	74.00	-10.57	3	Horizontal	325	1.82	-
2437MHz	Pass	PK	2.4362G	118.73	Inf	-Inf	3	Horizontal	325	1.82	-
2437MHz	Pass	PK	2.4846G	62.82	74.00	-11.18	3	Horizontal	325	1.82	-
2437MHz	Pass	AV	4.87576G	52.43	54.00	-1.57	3	Vertical	212	2.92	-
2437MHz	Pass	AV	7.31012G	39.81	54.00	-14.19	3	Vertical	220	1.82	-
2437MHz	Pass	PK	4.8756G	65.44	74.00	-8.56	3	Vertical	212	2.92	-
2437MHz	Pass	PK	7.3108G	52.57	74.00	-21.43	3	Vertical	220	1.82	-
2437MHz	Pass	AV	4.87056G	45.88	54.00	-8.12	3	Horizontal	234	1.50	-
2437MHz	Pass	AV	7.3102G	38.49	54.00	-15.51	3	Horizontal	97	1.93	-
2437MHz	Pass	PK	4.87544G	59.10	74.00	-14.90	3	Horizontal	234	1.50	-
2437MHz	Pass	PK	7.31504G	51.41	74.00	-22.59	3	Horizontal	97	1.93	-
2457MHz	Pass	AV	2.4578G	105.63	Inf	-Inf	3	Vertical	18	1.57	-
2457MHz	Pass	AV	2.4835G	52.98	54.00	-1.02	3	Vertical	18	1.57	-
2457MHz	Pass	PK	2.4578G	115.04	Inf	-Inf	3	Vertical	18	1.57	-
2457MHz	Pass	PK	2.4838G	63.79	74.00	-10.21	3	Vertical	18	1.57	-
2457MHz	Pass	AV	2.4558G	108.39	Inf	-Inf	3	Horizontal	323	2.21	-
2457MHz	Pass	AV	2.4858G	53.41	54.00	-0.59	3	Horizontal	323	2.21	-
2457MHz	Pass	PK	2.4558G	117.63	Inf	-Inf	3	Horizontal	323	2.21	-
2457MHz	Pass	PK	2.4836G	65.22	74.00	-8.78	3	Horizontal	323	2.21	-
2462MHz	Pass	AV	2.463G	104.01	Inf	-Inf	3	Vertical	18	1.56	-
2462MHz	Pass	AV	2.4835G	53.59	54.00	-0.41	3	Vertical	18	1.56	-
2462MHz	Pass	PK	2.4628G	113.08	Inf	-Inf	3	Vertical	18	1.56	-
2462MHz	Pass	PK	2.4835G	64.68	74.00	-9.32	3	Vertical	18	1.56	-
2462MHz	Pass	AV	2.461G	106.30	Inf	-Inf	3	Horizontal	325	1.94	-
2462MHz	Pass	AV	2.4835G	52.06	54.00	-1.94	3	Horizontal	325	1.94	-
2462MHz	Pass	PK	2.4612G	115.59	Inf	-Inf	3	Horizontal	325	1.94	-
2462MHz	Pass	PK	2.4848G	62.93	74.00	-11.07	3	Horizontal	325	1.94	-
2462MHz	Pass	AV	4.9208G	46.96	54.00	-7.04	3	Vertical	216	1.34	-

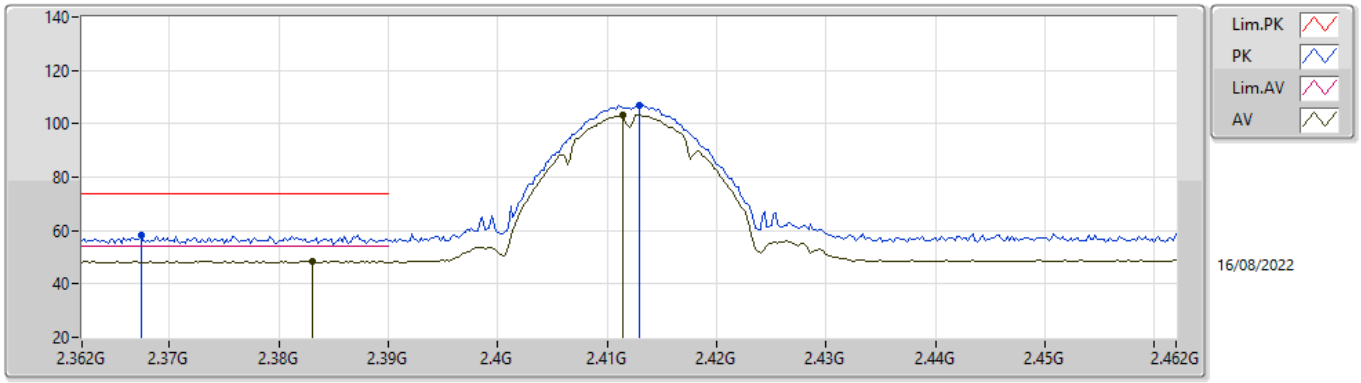
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	7.38524G	37.04	54.00	-16.96	3	Vertical	186	2.00	-
2462MHz	Pass	PK	4.92044G	60.82	74.00	-13.18	3	Vertical	216	1.34	-
2462MHz	Pass	PK	7.384G	49.77	74.00	-24.23	3	Vertical	186	2.00	-
2462MHz	Pass	AV	4.92568G	42.18	54.00	-11.82	3	Horizontal	233	1.44	-
2462MHz	Pass	AV	7.3804G	36.54	54.00	-17.46	3	Horizontal	92	1.50	-
2462MHz	Pass	PK	4.92544G	56.44	74.00	-17.56	3	Horizontal	233	1.44	-
2462MHz	Pass	PK	7.37956G	49.19	74.00	-24.81	3	Horizontal	92	1.50	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	50.67	54.00	-3.33	3	Vertical	18	1.74	-
2412MHz	Pass	AV	2.4132G	103.35	Inf	-Inf	3	Vertical	18	1.74	-
2412MHz	Pass	PK	2.3898G	61.87	74.00	-12.13	3	Vertical	18	1.74	-
2412MHz	Pass	PK	2.4128G	115.83	Inf	-Inf	3	Vertical	18	1.74	-
2412MHz	Pass	AV	2.39G	53.07	54.00	-0.93	3	Horizontal	320	2.20	-
2412MHz	Pass	AV	2.4104G	104.11	Inf	-Inf	3	Horizontal	320	2.20	-
2412MHz	Pass	PK	2.39G	63.77	74.00	-10.23	3	Horizontal	320	2.20	-
2412MHz	Pass	PK	2.4108G	116.18	Inf	-Inf	3	Horizontal	320	2.20	-
2412MHz	Pass	AV	4.82676G	43.99	54.00	-10.01	3	Vertical	207	1.21	-
2412MHz	Pass	PK	4.82696G	58.56	74.00	-15.44	3	Vertical	207	1.21	-
2412MHz	Pass	AV	4.82636G	38.48	54.00	-15.52	3	Horizontal	234	1.44	-
2412MHz	Pass	PK	4.82532G	53.34	74.00	-20.66	3	Horizontal	234	1.44	-
2417MHz	Pass	AV	2.39G	53.22	54.00	-0.78	3	Vertical	20	1.76	-
2417MHz	Pass	AV	2.4182G	106.48	Inf	-Inf	3	Vertical	20	1.76	-
2417MHz	Pass	PK	2.39G	64.95	74.00	-9.05	3	Vertical	20	1.76	-
2417MHz	Pass	PK	2.418G	117.39	Inf	-Inf	3	Vertical	20	1.76	-
2417MHz	Pass	AV	2.39G	52.13	54.00	-1.87	3	Horizontal	324	2.18	-
2417MHz	Pass	AV	2.4152G	108.72	Inf	-Inf	3	Horizontal	324	2.18	-
2417MHz	Pass	PK	2.3856G	62.15	74.00	-11.85	3	Horizontal	324	2.18	-
2417MHz	Pass	PK	2.4154G	120.98	Inf	-Inf	3	Horizontal	324	2.18	-
2437MHz	Pass	AV	2.3898G	52.62	54.00	-1.38	3	Vertical	12	1.94	-
2437MHz	Pass	AV	2.4378G	108.45	Inf	-Inf	3	Vertical	12	1.94	-
2437MHz	Pass	AV	2.487G	52.11	54.00	-1.89	3	Vertical	12	1.94	-
2437MHz	Pass	PK	2.3894G	62.61	74.00	-11.39	3	Vertical	12	1.94	-
2437MHz	Pass	PK	2.4378G	119.07	Inf	-Inf	3	Vertical	12	1.94	-
2437MHz	Pass	PK	2.489G	63.05	74.00	-10.95	3	Vertical	12	1.94	-
2437MHz	Pass	AV	2.3898G	52.57	54.00	-1.43	3	Horizontal	328	1.78	-
2437MHz	Pass	AV	2.4358G	108.84	Inf	-Inf	3	Horizontal	328	1.78	-
2437MHz	Pass	AV	2.4846G	53.49	54.00	-0.51	3	Horizontal	328	1.78	-
2437MHz	Pass	PK	2.3894G	63.68	74.00	-10.32	3	Horizontal	328	1.78	-
2437MHz	Pass	PK	2.4358G	121.13	Inf	-Inf	3	Horizontal	328	1.78	-
2437MHz	Pass	PK	2.4846G	65.23	74.00	-8.77	3	Horizontal	328	1.78	-
2437MHz	Pass	AV	4.87676G	52.37	54.00	-1.63	3	Vertical	204	1.28	-
2437MHz	Pass	AV	7.30992G	39.62	54.00	-14.38	3	Vertical	228	1.72	-
2437MHz	Pass	PK	4.8766G	66.21	74.00	-7.79	3	Vertical	204	1.28	-
2437MHz	Pass	PK	7.30976G	52.69	74.00	-21.31	3	Vertical	228	1.72	-
2437MHz	Pass	AV	4.87688G	46.58	54.00	-7.42	3	Horizontal	232	1.50	-
2437MHz	Pass	AV	7.31G	39.04	54.00	-14.96	3	Horizontal	95	1.95	-
2437MHz	Pass	PK	4.87648G	60.59	74.00	-13.41	3	Horizontal	232	1.50	-
2437MHz	Pass	PK	7.3118G	52.34	74.00	-21.66	3	Horizontal	95	1.95	-
2457MHz	Pass	AV	2.4564G	104.95	Inf	-Inf	3	Vertical	15	2.34	-
2457MHz	Pass	AV	2.4844G	50.39	54.00	-3.61	3	Vertical	15	2.34	-
2457MHz	Pass	PK	2.456G	117.21	Inf	-Inf	3	Vertical	15	2.34	-
2457MHz	Pass	PK	2.4866G	61.03	74.00	-12.97	3	Vertical	15	2.34	-
2457MHz	Pass	AV	2.4554G	106.92	Inf	-Inf	3	Horizontal	326	1.75	-
2457MHz	Pass	AV	2.4835G	53.48	54.00	-0.52	3	Horizontal	326	1.75	-
2457MHz	Pass	PK	2.456G	118.88	Inf	-Inf	3	Horizontal	326	1.75	-
2457MHz	Pass	PK	2.484G	65.66	74.00	-8.34	3	Horizontal	326	1.75	-
2462MHz	Pass	AV	2.463G	102.18	Inf	-Inf	3	Vertical	17	1.71	-
2462MHz	Pass	AV	2.4835G	53.53	54.00	-0.47	3	Vertical	17	1.71	-
2462MHz	Pass	PK	2.4628G	114.26	Inf	-Inf	3	Vertical	17	1.71	-
2462MHz	Pass	PK	2.4835G	64.62	74.00	-9.38	3	Vertical	17	1.71	-
2462MHz	Pass	AV	2.4606G	103.87	Inf	-Inf	3	Horizontal	328	1.77	-
2462MHz	Pass	AV	2.4835G	51.96	54.00	-2.04	3	Horizontal	328	1.77	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.461G	115.35	Inf	-Inf	3	Horizontal	328	1.77	-
2462MHz	Pass	PK	2.4836G	64.47	74.00	-9.53	3	Horizontal	328	1.77	-
2462MHz	Pass	AV	4.92664G	44.35	54.00	-9.65	3	Vertical	217	1.98	-
2462MHz	Pass	AV	7.3822G	36.82	54.00	-17.18	3	Vertical	99	1.50	-
2462MHz	Pass	PK	4.92488G	59.40	74.00	-14.60	3	Vertical	217	1.98	-
2462MHz	Pass	PK	7.37792G	49.86	74.00	-24.14	3	Vertical	99	1.50	-
2462MHz	Pass	AV	4.927G	39.62	54.00	-14.38	3	Horizontal	231	1.45	-
2462MHz	Pass	AV	7.37972G	37.13	54.00	-16.87	3	Horizontal	258	1.50	-
2462MHz	Pass	PK	4.9264G	54.51	74.00	-19.49	3	Horizontal	231	1.45	-
2462MHz	Pass	PK	7.37836G	50.70	74.00	-23.30	3	Horizontal	258	1.50	-
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	51.21	54.00	-2.79	3	Vertical	360	1.61	-
2422MHz	Pass	AV	2.4232G	98.55	Inf	-Inf	3	Vertical	360	1.61	-
2422MHz	Pass	AV	2.4852G	49.23	54.00	-4.77	3	Vertical	360	1.61	-
2422MHz	Pass	PK	2.3896G	61.64	74.00	-12.36	3	Vertical	360	1.61	-
2422MHz	Pass	PK	2.4248G	109.10	Inf	-Inf	3	Vertical	360	1.61	-
2422MHz	Pass	PK	2.4856G	59.73	74.00	-14.27	3	Vertical	360	1.61	-
2422MHz	Pass	AV	2.39G	53.43	54.00	-0.57	3	Horizontal	320	2.18	-
2422MHz	Pass	AV	2.4192G	99.24	Inf	-Inf	3	Horizontal	320	2.18	-
2422MHz	Pass	AV	2.5G	49.26	54.00	-4.74	3	Horizontal	320	2.18	-
2422MHz	Pass	PK	2.3896G	64.76	74.00	-9.24	3	Horizontal	320	2.18	-
2422MHz	Pass	PK	2.4204G	110.34	Inf	-Inf	3	Horizontal	320	2.18	-
2422MHz	Pass	PK	2.49G	60.13	74.00	-13.87	3	Horizontal	320	2.18	-
2422MHz	Pass	AV	4.8469G	41.31	54.00	-12.69	3	Vertical	207	3.00	-
2422MHz	Pass	AV	7.2507G	37.74	54.00	-16.26	3	Vertical	89	2.44	-
2422MHz	Pass	PK	4.8464G	54.25	74.00	-19.75	3	Vertical	207	3.00	-
2422MHz	Pass	PK	7.2602G	51.23	74.00	-22.77	3	Vertical	89	2.44	-
2422MHz	Pass	AV	4.8466G	37.57	54.00	-16.43	3	Horizontal	140	1.45	-
2422MHz	Pass	AV	7.2502G	37.84	54.00	-16.16	3	Horizontal	212	1.50	-
2422MHz	Pass	PK	4.8474G	49.85	74.00	-24.15	3	Horizontal	140	1.45	-
2422MHz	Pass	PK	7.2505G	50.27	74.00	-23.73	3	Horizontal	212	1.50	-
2427MHz	Pass	AV	2.3898G	53.71	54.00	-0.29	3	Vertical	8	1.50	-
2427MHz	Pass	AV	2.4282G	101.31	Inf	-Inf	3	Vertical	8	1.50	-
2427MHz	Pass	AV	2.4878G	49.43	54.00	-4.57	3	Vertical	8	1.50	-
2427MHz	Pass	PK	2.3898G	63.38	74.00	-10.62	3	Vertical	8	1.50	-
2427MHz	Pass	PK	2.4298G	111.99	Inf	-Inf	3	Vertical	8	1.50	-
2427MHz	Pass	PK	2.491G	60.11	74.00	-13.89	3	Vertical	8	1.50	-
2427MHz	Pass	AV	2.3862G	50.33	54.00	-3.67	3	Horizontal	322	1.95	-
2427MHz	Pass	AV	2.4254G	103.19	Inf	-Inf	3	Horizontal	322	1.95	-
2427MHz	Pass	AV	2.4835G	49.91	54.00	-4.09	3	Horizontal	322	1.95	-
2427MHz	Pass	PK	2.3898G	64.15	74.00	-9.85	3	Horizontal	322	1.95	-
2427MHz	Pass	PK	2.4246G	115.09	Inf	-Inf	3	Horizontal	322	1.95	-
2427MHz	Pass	PK	2.4866G	59.92	74.00	-14.08	3	Horizontal	322	1.95	-
2437MHz	Pass	AV	2.3898G	52.42	54.00	-1.58	3	Vertical	9	1.94	-
2437MHz	Pass	AV	2.4382G	102.33	Inf	-Inf	3	Vertical	9	1.94	-
2437MHz	Pass	AV	2.4878G	51.68	54.00	-2.32	3	Vertical	9	1.94	-
2437MHz	Pass	PK	2.3894G	63.47	74.00	-10.53	3	Vertical	9	1.94	-
2437MHz	Pass	PK	2.439G	112.65	Inf	-Inf	3	Vertical	9	1.94	-
2437MHz	Pass	PK	2.4886G	63.61	74.00	-10.39	3	Vertical	9	1.94	-
2437MHz	Pass	AV	2.387G	50.39	54.00	-3.61	3	Horizontal	326	1.79	-
2437MHz	Pass	AV	2.4354G	102.67	Inf	-Inf	3	Horizontal	326	1.79	-
2437MHz	Pass	AV	2.4842G	53.77	54.00	-0.23	3	Horizontal	326	1.79	-
2437MHz	Pass	PK	2.3894G	61.66	74.00	-12.34	3	Horizontal	326	1.79	-
2437MHz	Pass	PK	2.435G	114.77	Inf	-Inf	3	Horizontal	326	1.79	-
2437MHz	Pass	PK	2.4835G	65.60	74.00	-8.40	3	Horizontal	326	1.79	-
2437MHz	Pass	AV	4.87688G	43.67	54.00	-10.33	3	Vertical	212	2.76	-
2437MHz	Pass	AV	7.33152G	37.64	54.00	-16.36	3	Vertical	360	1.85	-
2437MHz	Pass	PK	4.87724G	56.37	74.00	-17.63	3	Vertical	212	2.76	-
2437MHz	Pass	PK	7.31136G	50.87	74.00	-23.13	3	Vertical	360	1.85	-
2437MHz	Pass	AV	4.87712G	38.01	54.00	-15.99	3	Horizontal	233	1.50	-
2437MHz	Pass	AV	7.32828G	37.69	54.00	-16.31	3	Horizontal	113	1.50	-
2437MHz	Pass	PK	4.87652G	52.21	74.00	-21.79	3	Horizontal	233	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	7.29312G	50.22	74.00	-23.78	3	Horizontal	113	1.50	-
2447MHz	Pass	AV	2.3886G	49.14	54.00	-4.86	3	Vertical	10	1.93	-
2447MHz	Pass	AV	2.4478G	101.53	Inf	-Inf	3	Vertical	10	1.93	-
2447MHz	Pass	AV	2.4878G	51.98	54.00	-2.02	3	Vertical	10	1.93	-
2447MHz	Pass	PK	2.387G	59.14	74.00	-14.86	3	Vertical	10	1.93	-
2447MHz	Pass	PK	2.4462G	112.35	Inf	-Inf	3	Vertical	10	1.93	-
2447MHz	Pass	PK	2.4874G	63.32	74.00	-10.68	3	Vertical	10	1.93	-
2447MHz	Pass	AV	2.3898G	49.04	54.00	-4.96	3	Horizontal	328	1.50	-
2447MHz	Pass	AV	2.4454G	103.00	Inf	-Inf	3	Horizontal	328	1.50	-
2447MHz	Pass	AV	2.4858G	53.33	54.00	-0.67	3	Horizontal	328	1.50	-
2447MHz	Pass	PK	2.3746G	60.21	74.00	-13.79	3	Horizontal	328	1.50	-
2447MHz	Pass	PK	2.445G	116.16	Inf	-Inf	3	Horizontal	328	1.50	-
2447MHz	Pass	PK	2.4874G	64.98	74.00	-9.02	3	Horizontal	328	1.50	-
2452MHz	Pass	AV	2.3592G	48.56	54.00	-5.44	3	Vertical	9	2.31	-
2452MHz	Pass	AV	2.4512G	98.67	Inf	-Inf	3	Vertical	9	2.31	-
2452MHz	Pass	AV	2.4835G	53.79	54.00	-0.21	3	Vertical	9	2.31	-
2452MHz	Pass	PK	2.3584G	59.37	74.00	-14.63	3	Vertical	9	2.31	-
2452MHz	Pass	PK	2.4512G	109.26	Inf	-Inf	3	Vertical	9	2.31	-
2452MHz	Pass	PK	2.4835G	68.02	74.00	-5.98	3	Vertical	9	2.31	-
2452MHz	Pass	AV	2.3788G	48.60	54.00	-5.40	3	Horizontal	329	2.02	-
2452MHz	Pass	AV	2.45G	100.40	Inf	-Inf	3	Horizontal	329	2.02	-
2452MHz	Pass	AV	2.4884G	53.53	54.00	-0.47	3	Horizontal	329	2.02	-
2452MHz	Pass	PK	2.356G	59.33	74.00	-14.67	3	Horizontal	329	2.02	-
2452MHz	Pass	PK	2.4512G	110.89	Inf	-Inf	3	Horizontal	329	2.02	-
2452MHz	Pass	PK	2.4864G	67.60	74.00	-6.40	3	Horizontal	329	2.02	-
2452MHz	Pass	AV	4.9041G	44.07	54.00	-9.93	3	Vertical	207	1.50	-
2452MHz	Pass	AV	7.3324G	37.63	54.00	-16.37	3	Vertical	299	1.13	-
2452MHz	Pass	PK	4.9061G	54.98	74.00	-19.02	3	Vertical	207	1.50	-
2452MHz	Pass	PK	7.3369G	51.54	74.00	-22.46	3	Vertical	299	1.13	-
2452MHz	Pass	AV	4.9067G	37.94	54.00	-16.06	3	Horizontal	142	1.49	-
2452MHz	Pass	AV	7.332G	37.76	54.00	-16.24	3	Horizontal	145	1.50	-
2452MHz	Pass	PK	4.9075G	50.39	74.00	-23.61	3	Horizontal	142	1.49	-
2452MHz	Pass	PK	7.3314G	51.44	74.00	-22.56	3	Horizontal	145	1.50	-

802.11b_Nss1,(1Mbps)_2TX

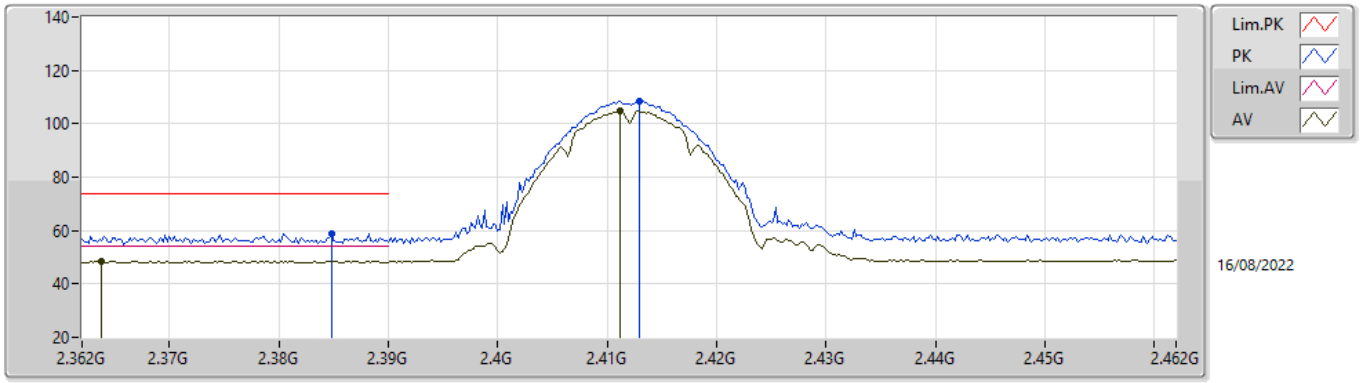
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.383G	48.64	54.00	-5.36	35.55	3	Vertical	13	2.36	-	13.09	27.27	8.28	-
AV	2.4114G	103.21	Inf	-Inf	35.65	3	Vertical	13	2.36	-	67.56	27.35	8.30	-
PK	2.3674G	58.26	74.00	-15.74	35.50	3	Vertical	13	2.36	-	22.76	27.23	8.27	-
PK	2.413G	107.13	Inf	-Inf	35.65	3	Vertical	13	2.36	-	71.48	27.35	8.30	-

802.11b_Nss1,(1Mbps)_2TX

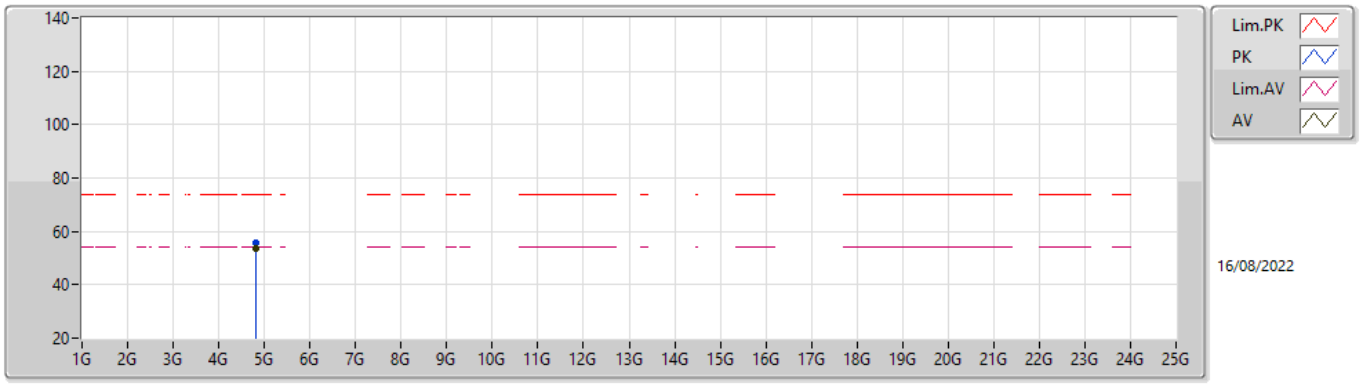
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3638G	48.45	54.00	-5.55	35.49	3	Horizontal	328	1.50	-	12.96	27.23	8.26	-
AV	2.4112G	104.94	Inf	-Inf	35.64	3	Horizontal	328	1.50	-	69.30	27.34	8.30	-
PK	2.3848G	58.91	74.00	-15.09	35.55	3	Horizontal	328	1.50	-	23.36	27.27	8.28	-
PK	2.413G	108.53	Inf	-Inf	35.65	3	Horizontal	328	1.50	-	72.88	27.35	8.30	-

802.11b_Nss1,(1Mbps)_2TX

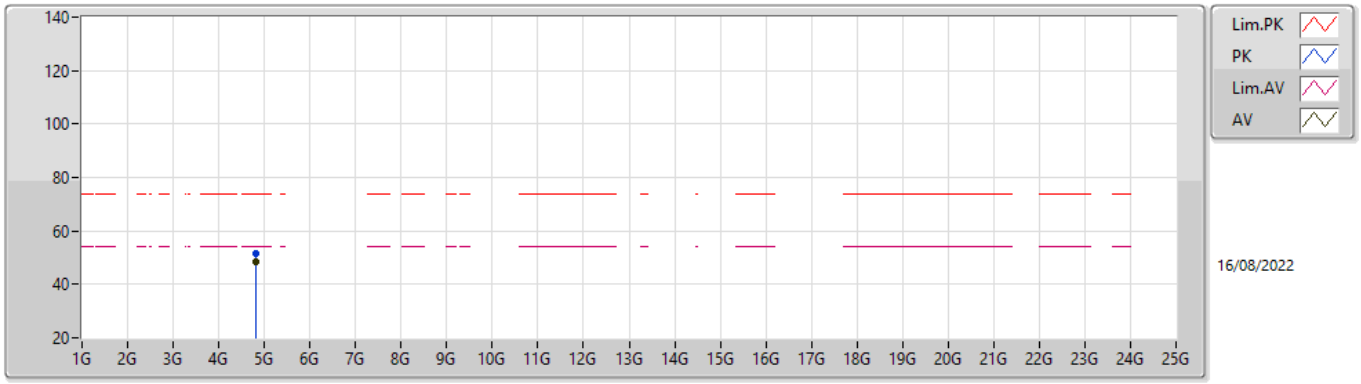
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82404G	53.58	54.00	-0.42	8.05	3	Vertical	210	2.96	-	45.53	32.55	9.68	34.18
PK	4.824G	55.81	74.00	-18.19	8.05	3	Vertical	210	2.96	-	47.76	32.55	9.68	34.18

802.11b_Nss1,(1Mbps)_2TX

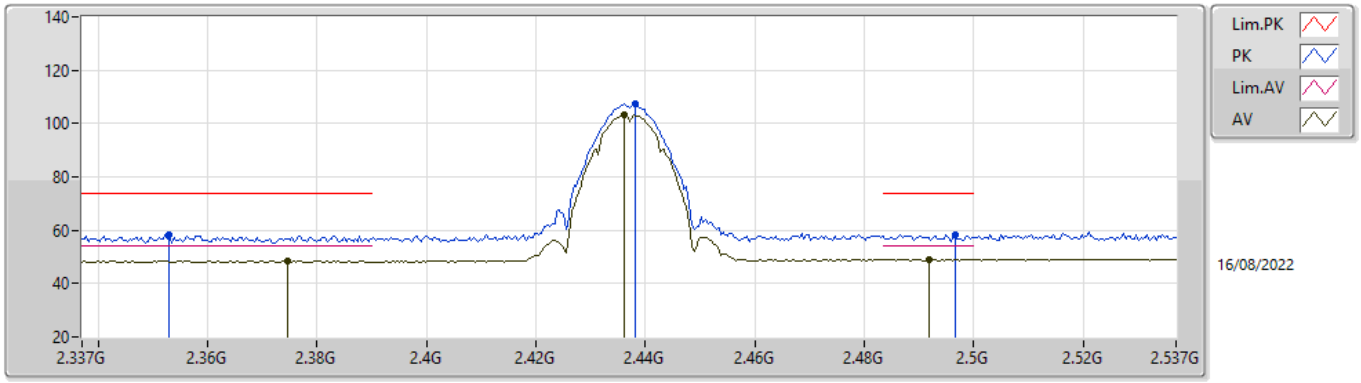
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82404G	48.20	54.00	-5.80	8.05	3	Horizontal	234	1.50	-	40.15	32.55	9.68	34.18
PK	4.824G	51.59	74.00	-22.41	8.05	3	Horizontal	234	1.50	-	43.54	32.55	9.68	34.18

802.11b_Nss1,(1Mbps)_2TX

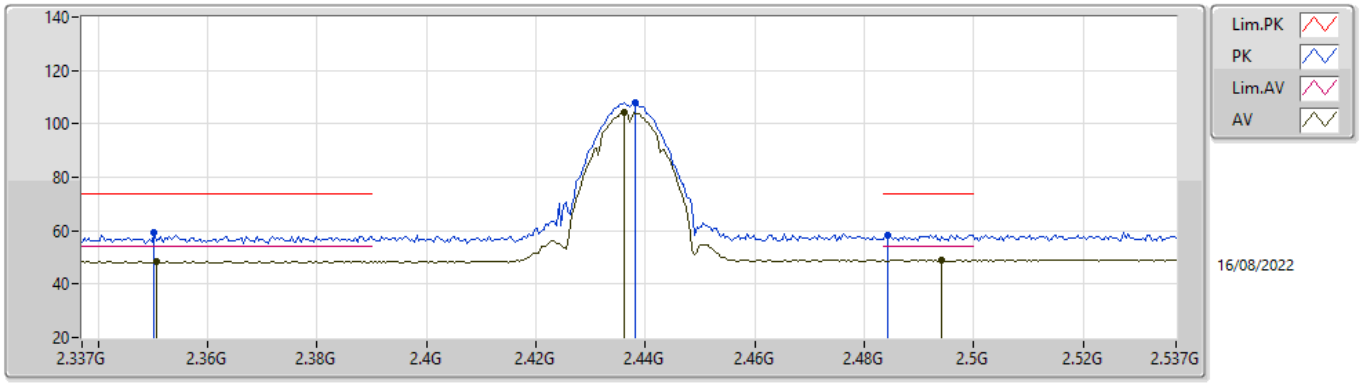
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3746G	48.50	54.00	-5.50	35.52	3	Vertical	14	1.93	-	12.98	27.25	8.27	-
AV	2.4362G	103.49	Inf	-Inf	35.75	3	Vertical	14	1.93	-	67.74	27.44	8.31	-
AV	2.4918G	49.14	54.00	-4.86	36.10	3	Vertical	14	1.93	-	13.04	27.75	8.35	-
PK	2.353G	58.10	74.00	-15.90	35.46	3	Vertical	14	1.93	-	22.64	27.21	8.25	-
PK	2.4382G	107.18	Inf	-Inf	35.76	3	Vertical	14	1.93	-	71.42	27.45	8.31	-
PK	2.4966G	58.41	74.00	-15.59	36.13	3	Vertical	14	1.93	-	22.28	27.78	8.35	-

802.11b_Nss1,(1Mbps)_2TX

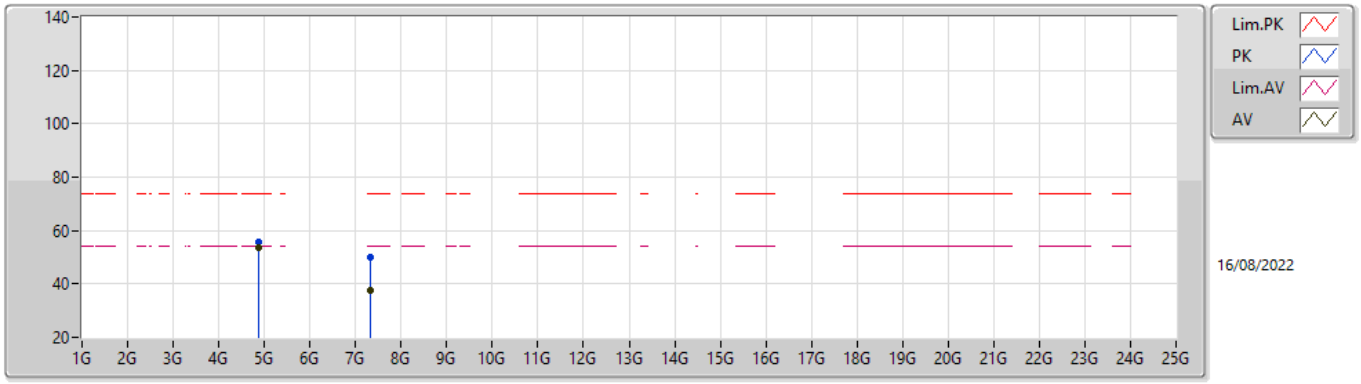
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3506G	48.48	54.00	-5.52	35.45	3	Horizontal	327	1.24	-	13.03	27.20	8.25	-
AV	2.4362G	104.21	Inf	-Inf	35.75	3	Horizontal	327	1.24	-	68.46	27.44	8.31	-
AV	2.4942G	49.16	54.00	-4.84	36.12	3	Horizontal	327	1.24	-	13.04	27.77	8.35	-
PK	2.3502G	59.28	74.00	-14.72	35.45	3	Horizontal	327	1.24	-	23.83	27.20	8.25	-
PK	2.4382G	107.89	Inf	-Inf	35.76	3	Horizontal	327	1.24	-	72.13	27.45	8.31	-
PK	2.4842G	58.32	74.00	-15.68	36.05	3	Horizontal	327	1.24	-	22.27	27.71	8.34	-

802.11b_Nss1,(1Mbps)_2TX

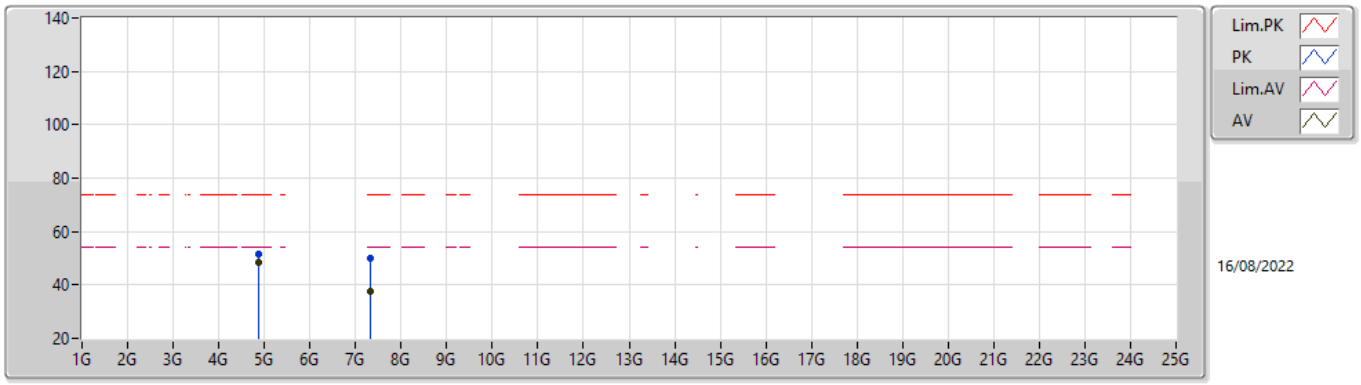
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87404G	53.87	54.00	-0.13	8.19	3	Vertical	204	2.92	-	45.68	32.65	9.70	34.16
AV	7.31608G	37.84	54.00	-16.16	13.45	3	Vertical	360	2.10	-	24.39	36.63	11.32	34.50
PK	4.874G	55.82	74.00	-18.18	8.19	3	Vertical	204	2.92	-	47.63	32.65	9.70	34.16
PK	7.31636G	49.76	74.00	-24.24	13.45	3	Vertical	360	2.10	-	36.31	36.63	11.32	34.50

802.11b_Nss1,(1Mbps)_2TX

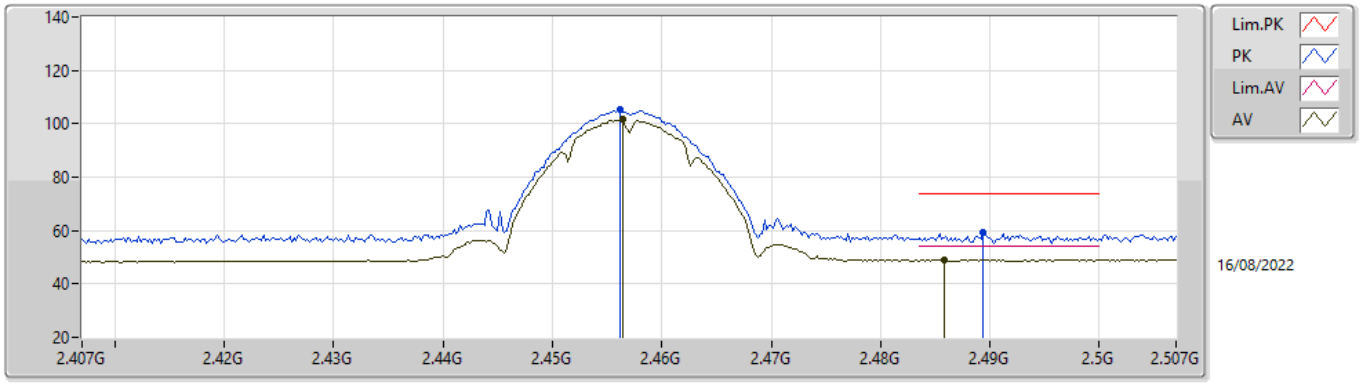
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87404G	48.59	54.00	-5.41	8.19	3	Horizontal	233	1.36	-	40.40	32.65	9.70	34.16
AV	7.31944G	37.79	54.00	-16.21	13.46	3	Horizontal	110	1.47	-	24.33	36.64	11.32	34.50
PK	4.87396G	51.63	74.00	-22.37	8.19	3	Horizontal	233	1.36	-	43.44	32.65	9.70	34.16
PK	7.32064G	50.18	74.00	-23.82	13.46	3	Horizontal	110	1.47	-	36.72	36.64	11.32	34.50

802.11b_Nss1,(1Mbps)_2TX

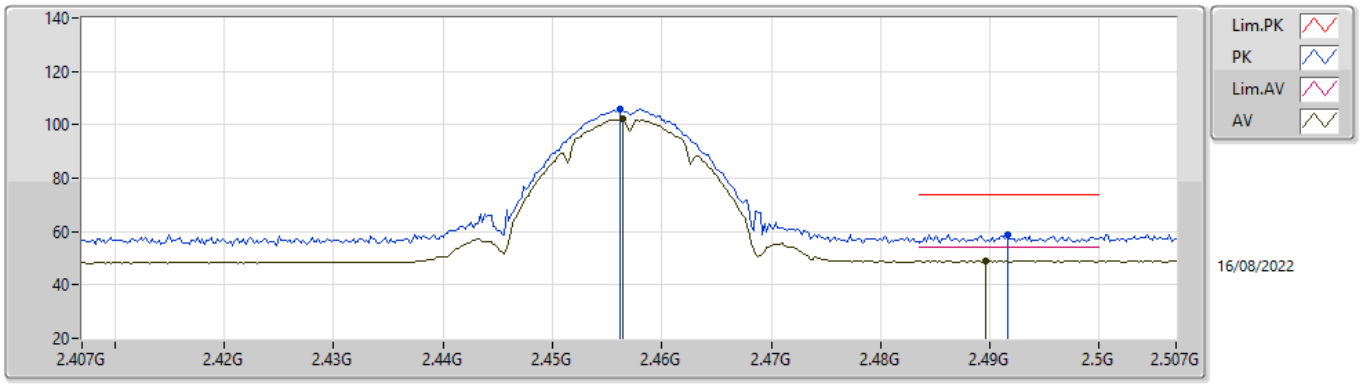
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4564G	101.57	Inf	-Inf	35.87	3	Vertical	13	2.32	-	65.70	27.54	8.33	-
AV	2.4858G	49.20	54.00	-4.80	36.06	3	Vertical	13	2.32	-	13.14	27.71	8.35	-
PK	2.4562G	105.16	Inf	-Inf	35.87	3	Vertical	13	2.32	-	69.29	27.54	8.33	-
PK	2.4894G	59.12	74.00	-14.88	36.09	3	Vertical	13	2.32	-	23.03	27.74	8.35	-

802.11b_Nss1,(1Mbps)_2TX

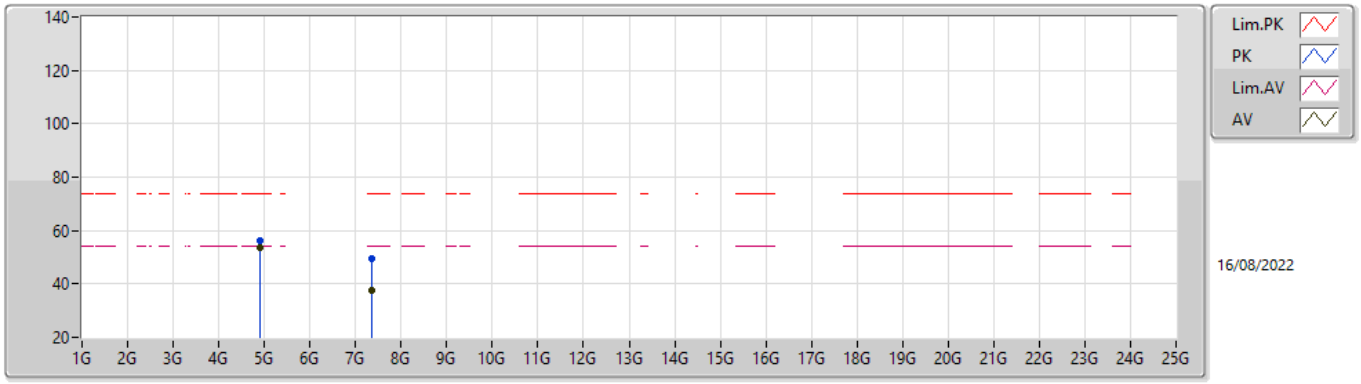
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4564G	102.28	Inf	-Inf	35.87	3	Horizontal	330	1.36	-	66.41	27.54	8.33	-
AV	2.4896G	49.00	54.00	-5.00	36.09	3	Horizontal	330	1.36	-	12.91	27.74	8.35	-
PK	2.4562G	105.84	Inf	-Inf	35.87	3	Horizontal	330	1.36	-	69.97	27.54	8.33	-
PK	2.4916G	58.89	74.00	-15.11	36.10	3	Horizontal	330	1.36	-	22.79	27.75	8.35	-

802.11b_Nss1,(1Mbps)_2TX

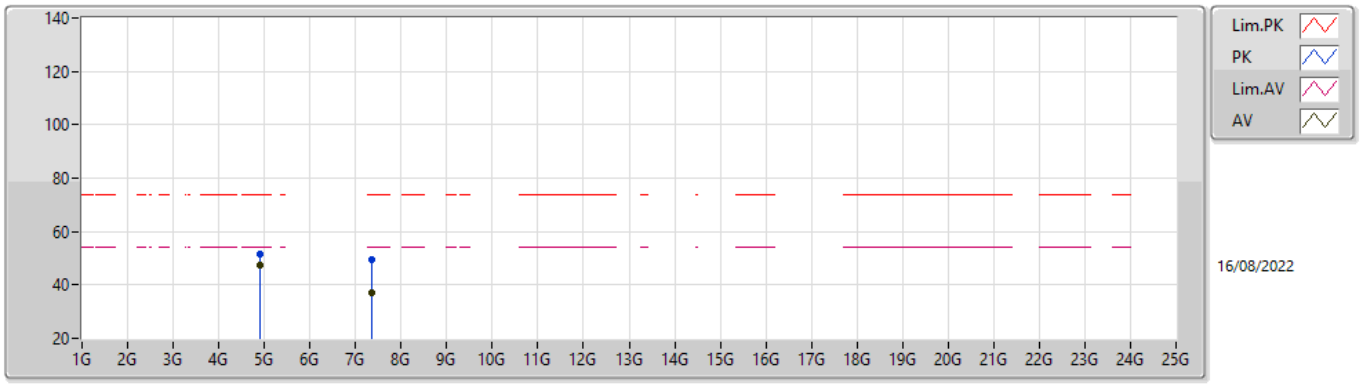
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.914G	53.82	54.00	-0.18	8.34	3	Vertical	214	1.85	-	45.48	32.76	9.72	34.14
AV	7.36432G	37.44	54.00	-16.56	13.45	3	Vertical	234	1.02	-	23.99	36.61	11.33	34.49
PK	4.91408G	55.98	74.00	-18.02	8.34	3	Vertical	214	1.85	-	47.64	32.76	9.72	34.14
PK	7.36212G	49.35	74.00	-24.65	13.47	3	Vertical	234	1.02	-	35.88	36.63	11.33	34.49

802.11b_Nss1,(1Mbps)_2TX

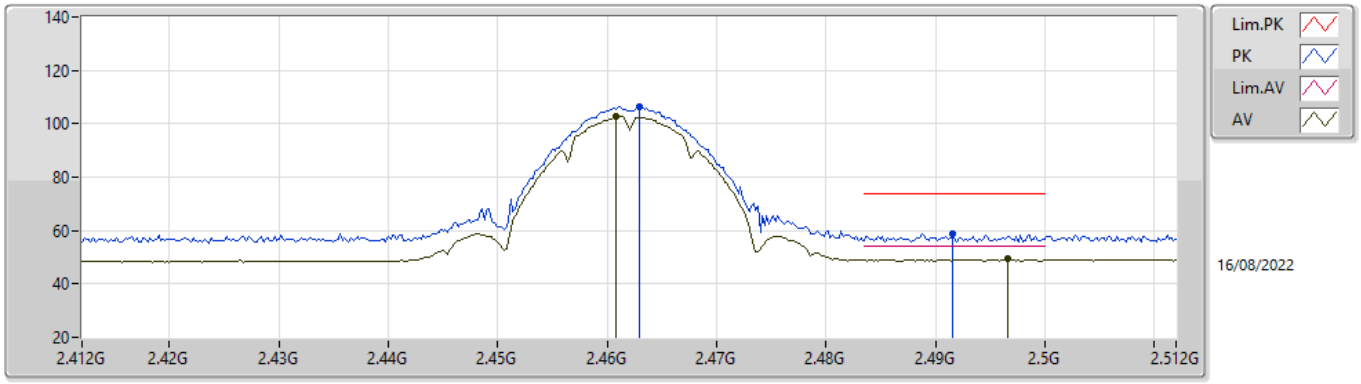
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.91396G	47.18	54.00	-6.82	8.34	3	Horizontal	234	1.50	-	38.84	32.76	9.72	34.14
AV	7.36104G	37.22	54.00	-16.78	13.47	3	Horizontal	137	2.26	-	23.75	36.63	11.33	34.49
PK	4.914G	51.36	74.00	-22.64	8.34	3	Horizontal	234	1.50	-	43.02	32.76	9.72	34.14
PK	7.36408G	49.45	74.00	-24.55	13.46	3	Horizontal	137	2.26	-	35.99	36.62	11.33	34.49

802.11b_Nss1,(1Mbps)_2TX

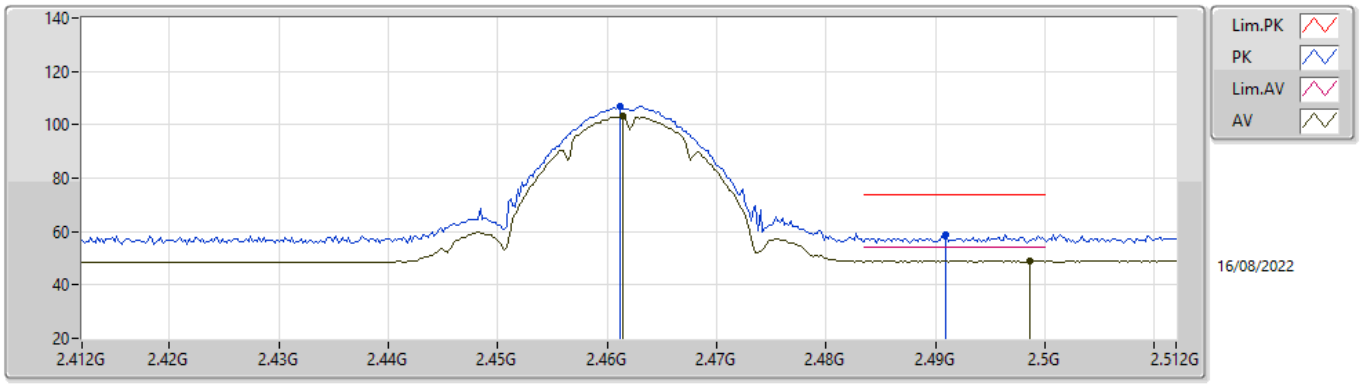
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4608G	102.84	Inf	-Inf	35.89	3	Vertical	19	2.10	-	66.95	27.56	8.33	-
AV	2.4966G	49.31	54.00	-4.69	36.13	3	Vertical	19	2.10	-	13.18	27.78	8.35	-
PK	2.463G	106.34	Inf	-Inf	35.91	3	Vertical	19	2.10	-	70.43	27.58	8.33	-
PK	2.4916G	58.69	74.00	-15.31	36.10	3	Vertical	19	2.10	-	22.59	27.75	8.35	-

802.11b_Nss1,(1Mbps)_2TX

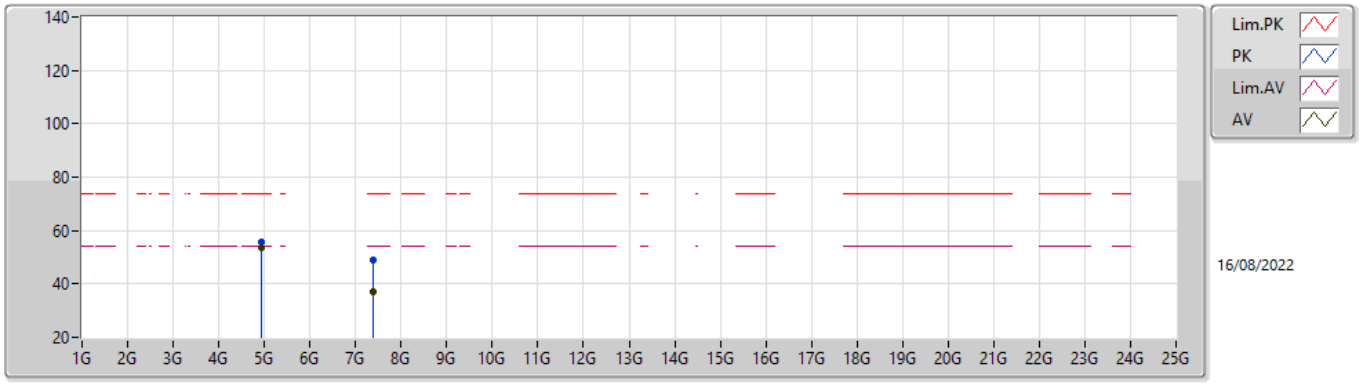
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4614G	103.25	Inf	-Inf	35.90	3	Horizontal	329	1.33	-	67.35	27.57	8.33	-
AV	2.4986G	49.07	54.00	-4.93	36.14	3	Horizontal	329	1.33	-	12.93	27.79	8.35	-
PK	2.4612G	106.84	Inf	-Inf	35.90	3	Horizontal	329	1.33	-	70.94	27.57	8.33	-
PK	2.491G	59.02	74.00	-14.98	36.10	3	Horizontal	329	1.33	-	22.92	27.75	8.35	-

802.11b_Nss1,(1Mbps)_2TX

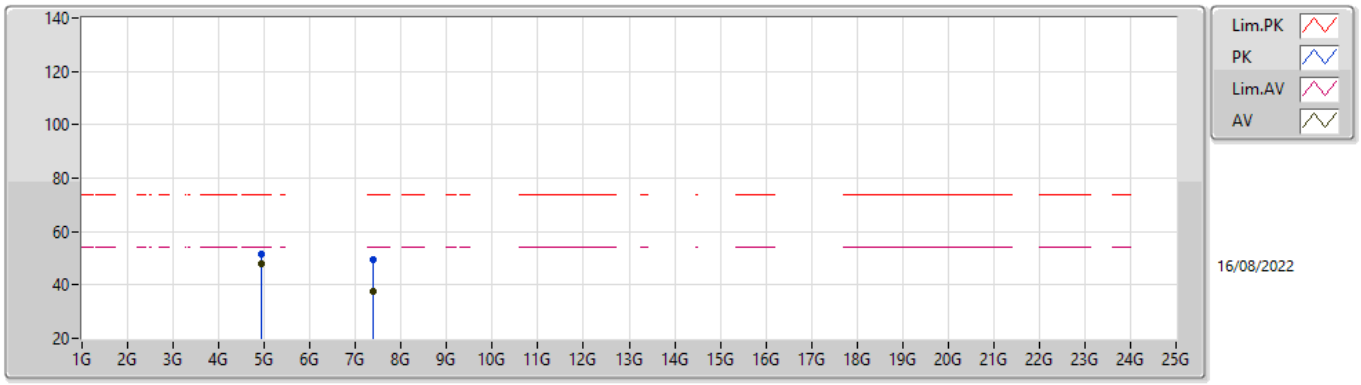
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924G	53.65	54.00	-0.35	8.38	3	Vertical	212	1.26	-	45.27	32.80	9.72	34.14
AV	7.3796G	37.30	54.00	-16.70	13.37	3	Vertical	49	2.68	-	23.93	36.52	11.34	34.49
PK	4.92392G	55.65	74.00	-18.35	8.38	3	Vertical	212	1.26	-	47.27	32.80	9.72	34.14
PK	7.38476G	49.07	74.00	-24.93	13.34	3	Vertical	49	2.68	-	35.73	36.49	11.34	34.49

802.11b_Nss1,(1Mbps)_2TX

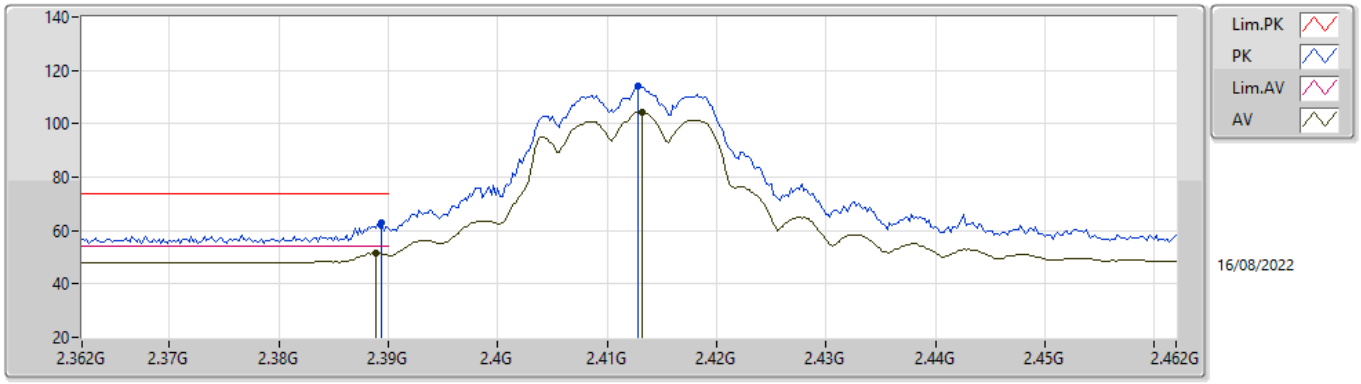
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924G	47.95	54.00	-6.05	8.38	3	Horizontal	141	1.45	-	39.57	32.80	9.72	34.14
AV	7.38004G	37.49	54.00	-16.51	13.37	3	Horizontal	218	1.98	-	24.12	36.52	11.34	34.49
PK	4.92408G	51.37	74.00	-22.63	8.38	3	Horizontal	141	1.45	-	42.99	32.80	9.72	34.14
PK	7.38104G	49.52	74.00	-24.48	13.36	3	Horizontal	218	1.98	-	36.16	36.51	11.34	34.49

802.11g_Nss1,(6Mbps)_2TX

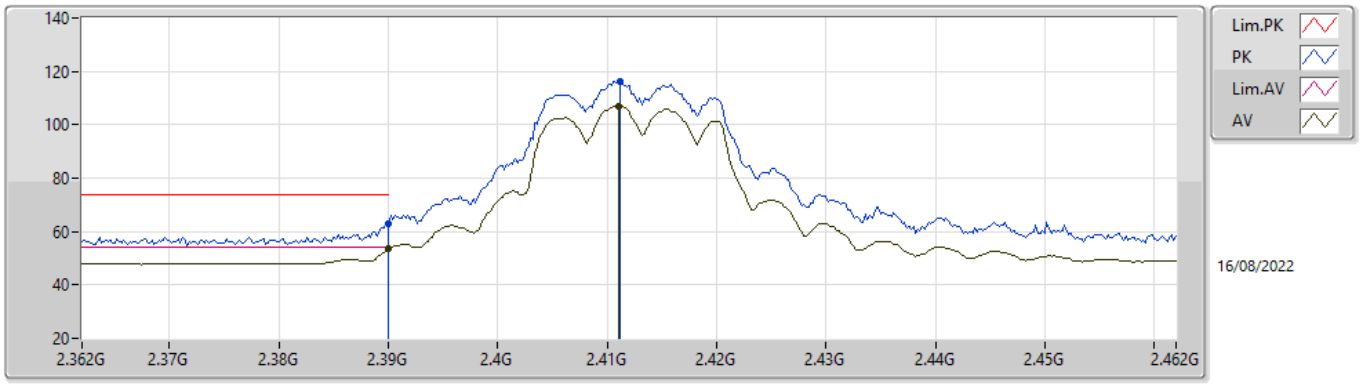
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3888G	51.49	54.00	-2.51	35.56	3	Vertical	20	1.60	-	15.93	27.28	8.28	-
AV	2.4132G	104.50	Inf	-Inf	35.65	3	Vertical	20	1.60	-	68.85	27.35	8.30	-
PK	2.3894G	63.10	74.00	-10.90	35.56	3	Vertical	20	1.60	-	27.54	27.28	8.28	-
PK	2.4128G	113.93	Inf	-Inf	35.65	3	Vertical	20	1.60	-	78.28	27.35	8.30	-

802.11g_Nss1,(6Mbps)_2TX

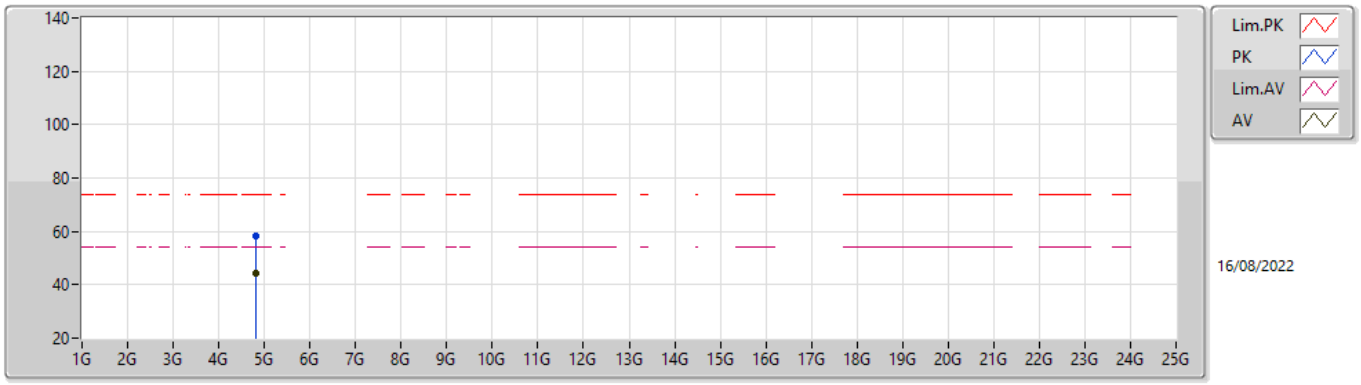
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.47	54.00	-0.53	35.56	3	Horizontal	327	2.21	-	17.91	27.28	8.28	-
AV	2.411G	107.13	Inf	-Inf	35.64	3	Horizontal	327	2.21	-	71.49	27.34	8.30	-
PK	2.39G	62.84	74.00	-11.16	35.56	3	Horizontal	327	2.21	-	27.28	27.28	8.28	-
PK	2.4112G	116.30	Inf	-Inf	35.64	3	Horizontal	327	2.21	-	80.66	27.34	8.30	-

802.11g_Nss1,(6Mbps)_2TX

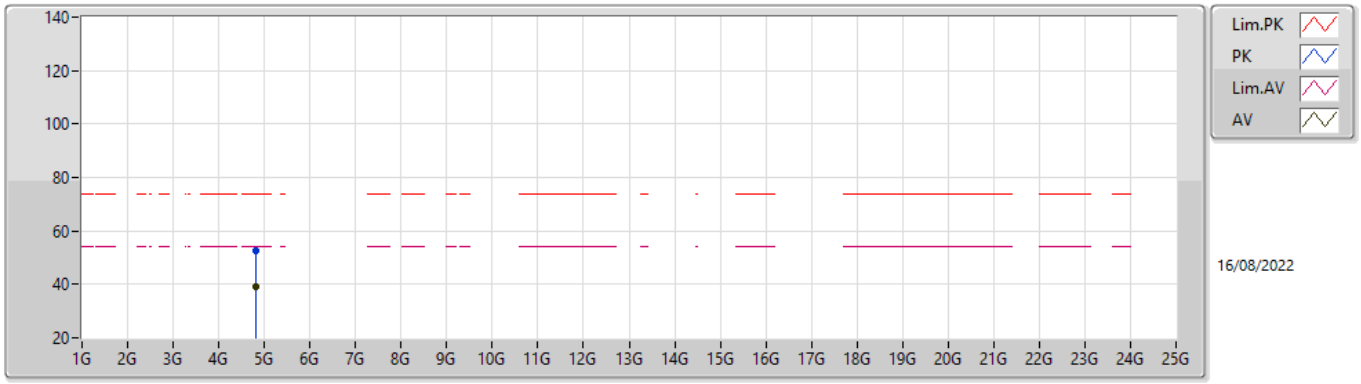
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8258G	44.23	54.00	-9.77	8.05	3	Vertical	208	1.29	-	36.18	32.55	9.68	34.18
PK	4.82564G	58.26	74.00	-15.74	8.05	3	Vertical	208	1.29	-	50.21	32.55	9.68	34.18

802.11g_Nss1,(6Mbps)_2TX

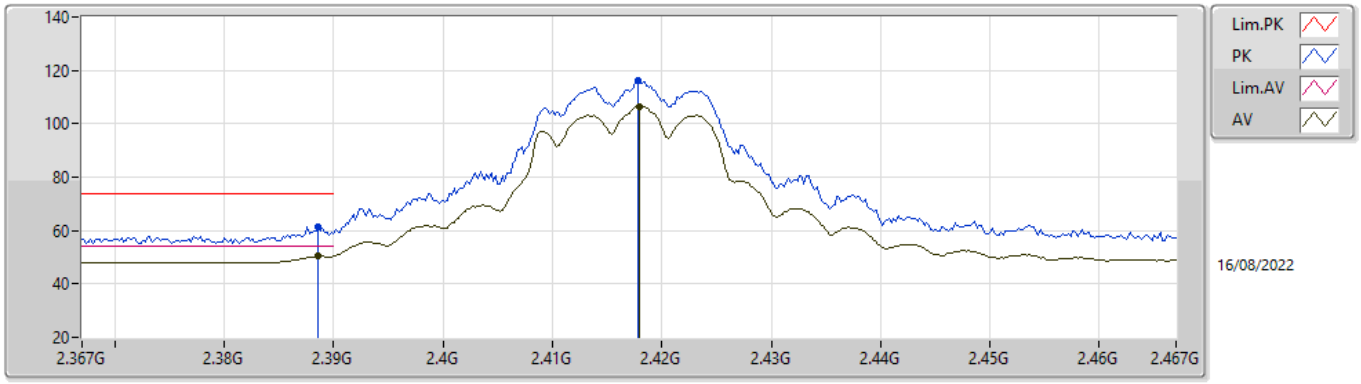
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82572G	39.12	54.00	-14.88	8.05	3	Horizontal	231	1.50	-	31.07	32.55	9.68	34.18
PK	4.82552G	52.49	74.00	-21.51	8.05	3	Horizontal	231	1.50	-	44.44	32.55	9.68	34.18

802.11g_Nss1,(6Mbps)_2TX

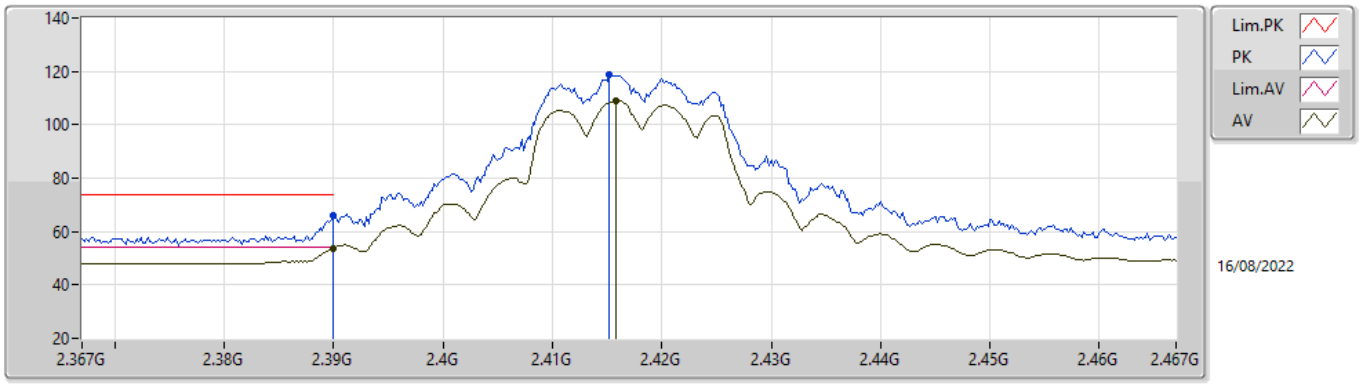
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	50.40	54.00	-3.60	35.56	3	Vertical	17	1.60	-	14.84	27.28	8.28	-
AV	2.418G	106.62	Inf	-Inf	35.67	3	Vertical	17	1.60	-	70.95	27.37	8.30	-
PK	2.3886G	61.37	74.00	-12.63	35.56	3	Vertical	17	1.60	-	25.81	27.28	8.28	-
PK	2.4178G	116.25	Inf	-Inf	35.67	3	Vertical	17	1.60	-	80.58	27.37	8.30	-

802.11g_Nss1,(6Mbps)_2TX

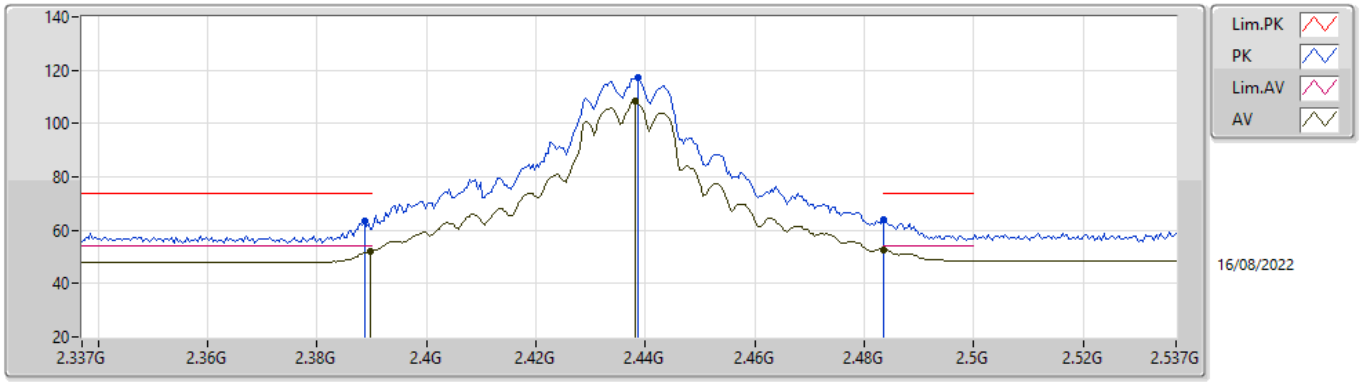
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.66	54.00	-0.34	35.56	3	Horizontal	324	2.20	-	18.10	27.28	8.28	-
AV	2.4158G	109.19	Inf	-Inf	35.66	3	Horizontal	324	2.20	-	73.53	27.36	8.30	-
PK	2.39G	65.83	74.00	-8.17	35.56	3	Horizontal	324	2.20	-	30.27	27.28	8.28	-
PK	2.4152G	118.81	Inf	-Inf	35.66	3	Horizontal	324	2.20	-	83.15	27.36	8.30	-

802.11g_Nss1,(6Mbps)_2TX

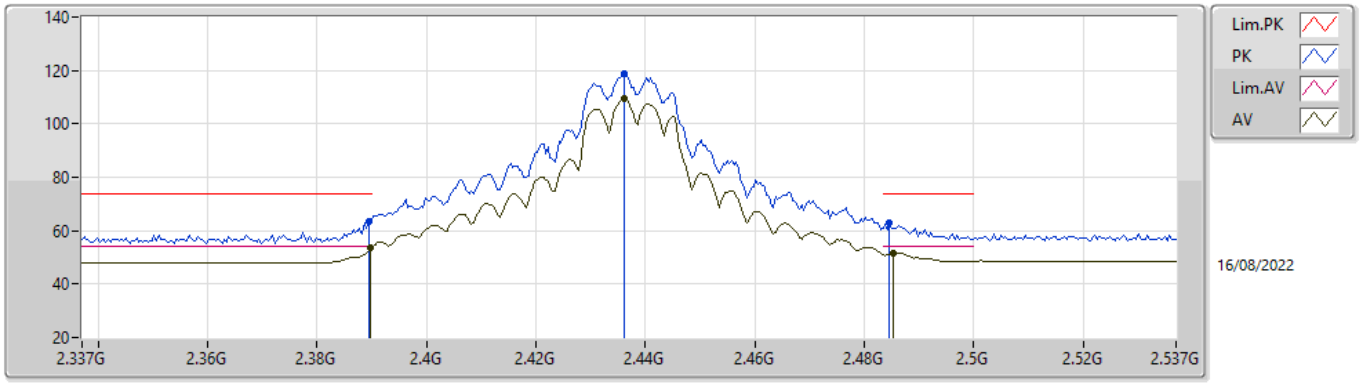
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	52.06	54.00	-1.94	35.56	3	Vertical	12	1.52	-	16.50	27.28	8.28	-
AV	2.4382G	108.56	Inf	-Inf	35.76	3	Vertical	12	1.52	-	72.80	27.45	8.31	-
AV	2.4835G	52.75	54.00	-1.25	36.04	3	Vertical	12	1.52	-	16.71	27.70	8.34	-
PK	2.3886G	63.61	74.00	-10.39	35.56	3	Vertical	12	1.52	-	28.05	27.28	8.28	-
PK	2.4386G	117.44	Inf	-Inf	35.77	3	Vertical	12	1.52	-	81.67	27.45	8.32	-
PK	2.4835G	64.15	74.00	-9.85	36.04	3	Vertical	12	1.52	-	28.11	27.70	8.34	-

802.11g_Nss1,(6Mbps)_2TX

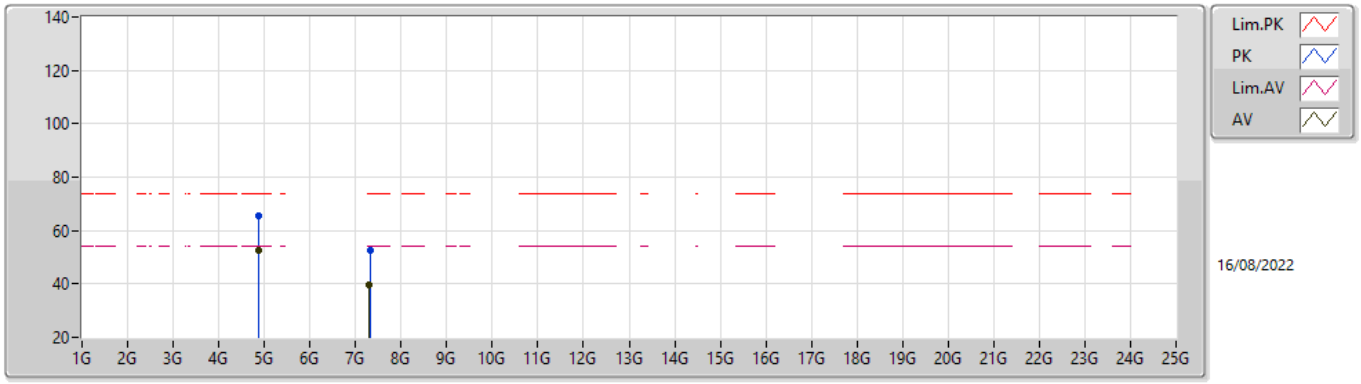
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	53.53	54.00	-0.47	35.56	3	Horizontal	325	1.82	-	17.97	27.28	8.28	-
AV	2.4362G	109.31	Inf	-Inf	35.75	3	Horizontal	325	1.82	-	73.56	27.44	8.31	-
AV	2.4854G	51.71	54.00	-2.29	36.06	3	Horizontal	325	1.82	-	15.65	27.71	8.35	-
PK	2.3894G	63.43	74.00	-10.57	35.56	3	Horizontal	325	1.82	-	27.87	27.28	8.28	-
PK	2.4362G	118.73	Inf	-Inf	35.75	3	Horizontal	325	1.82	-	82.98	27.44	8.31	-
PK	2.4846G	62.82	74.00	-11.18	36.05	3	Horizontal	325	1.82	-	26.77	27.71	8.34	-

802.11g_Nss1,(6Mbps)_2TX

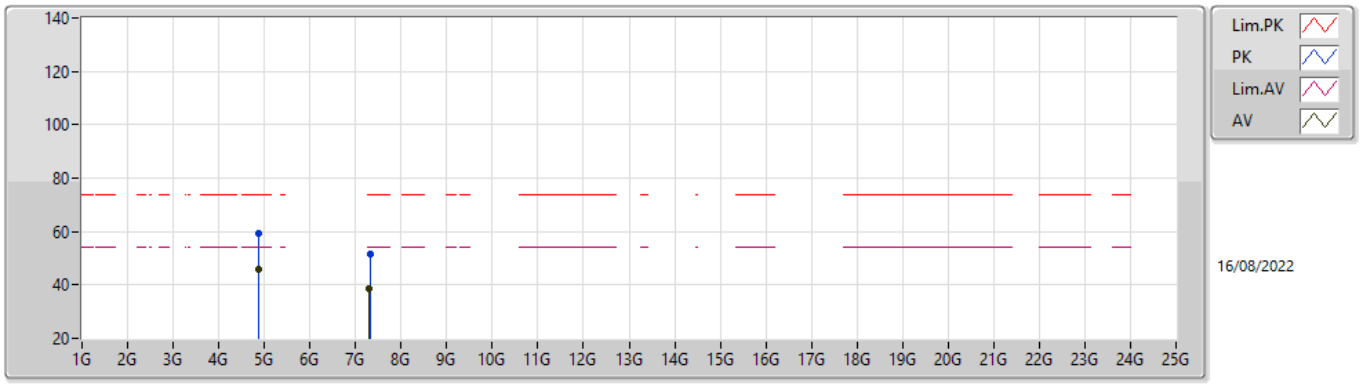
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87576G	52.43	54.00	-1.57	8.19	3	Vertical	212	2.92	-	44.24	32.65	9.70	34.16
AV	7.31012G	39.81	54.00	-14.19	13.44	3	Vertical	220	1.82	-	26.37	36.62	11.32	34.50
PK	4.8756G	65.44	74.00	-8.56	8.19	3	Vertical	212	2.92	-	57.25	32.65	9.70	34.16
PK	7.3108G	52.57	74.00	-21.43	13.44	3	Vertical	220	1.82	-	39.13	36.62	11.32	34.50

802.11g_Nss1,(6Mbps)_2TX

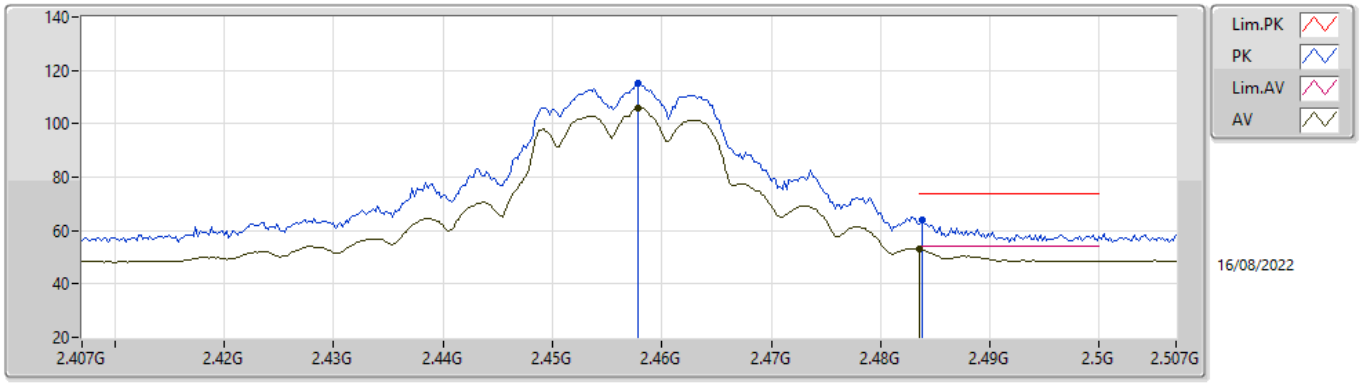
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87056G	45.88	54.00	-8.12	8.18	3	Horizontal	234	1.50	-	37.70	32.64	9.70	34.16
AV	7.3102G	38.49	54.00	-15.51	13.44	3	Horizontal	97	1.93	-	25.05	36.62	11.32	34.50
PK	4.87544G	59.10	74.00	-14.90	8.19	3	Horizontal	234	1.50	-	50.91	32.65	9.70	34.16
PK	7.31504G	51.41	74.00	-22.59	13.45	3	Horizontal	97	1.93	-	37.96	36.63	11.32	34.50

802.11g_Nss1,(6Mbps)_2TX

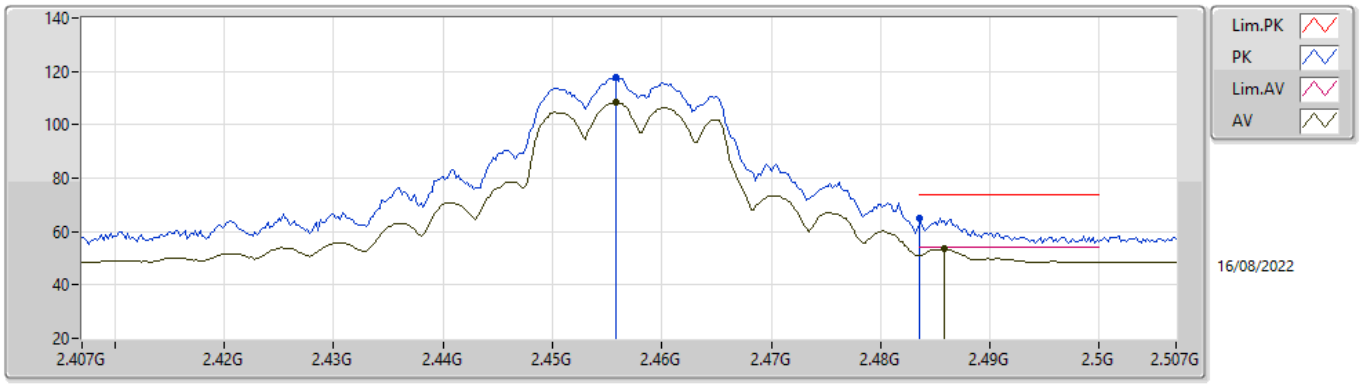
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4578G	105.63	Inf	-Inf	35.88	3	Vertical	18	1.57	-	69.75	27.55	8.33	-
AV	2.4835G	52.98	54.00	-1.02	36.04	3	Vertical	18	1.57	-	16.94	27.70	8.34	-
PK	2.4578G	115.04	Inf	-Inf	35.88	3	Vertical	18	1.57	-	79.16	27.55	8.33	-
PK	2.4838G	63.79	74.00	-10.21	36.04	3	Vertical	18	1.57	-	27.75	27.70	8.34	-

802.11g_Nss1,(6Mbps)_2TX

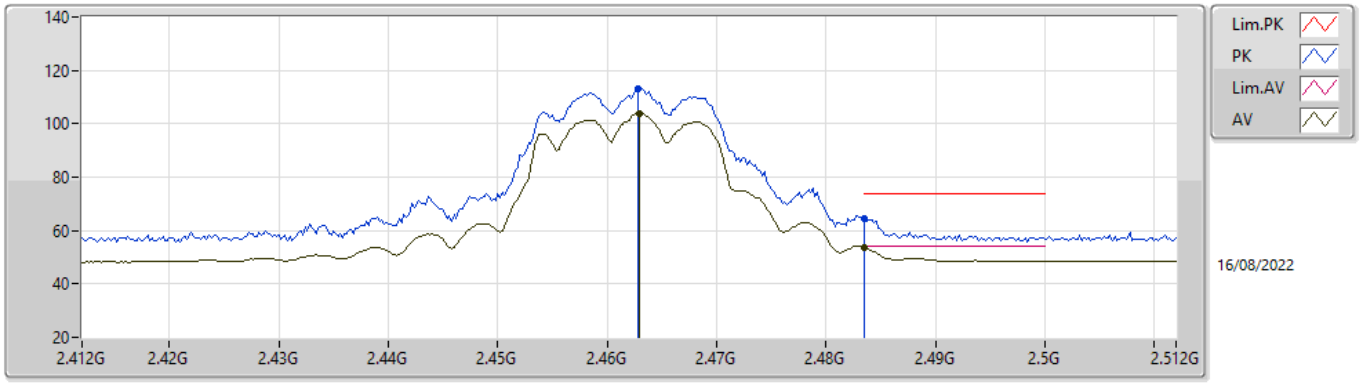
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4558G	108.39	Inf	-Inf	35.86	3	Horizontal	323	2.21	-	72.53	27.53	8.33	-
AV	2.4858G	53.41	54.00	-0.59	36.06	3	Horizontal	323	2.21	-	17.35	27.71	8.35	-
PK	2.4558G	117.63	Inf	-Inf	35.86	3	Horizontal	323	2.21	-	81.77	27.53	8.33	-
PK	2.4836G	65.22	74.00	-8.78	36.04	3	Horizontal	323	2.21	-	29.18	27.70	8.34	-

802.11g_Nss1,(6Mbps)_2TX

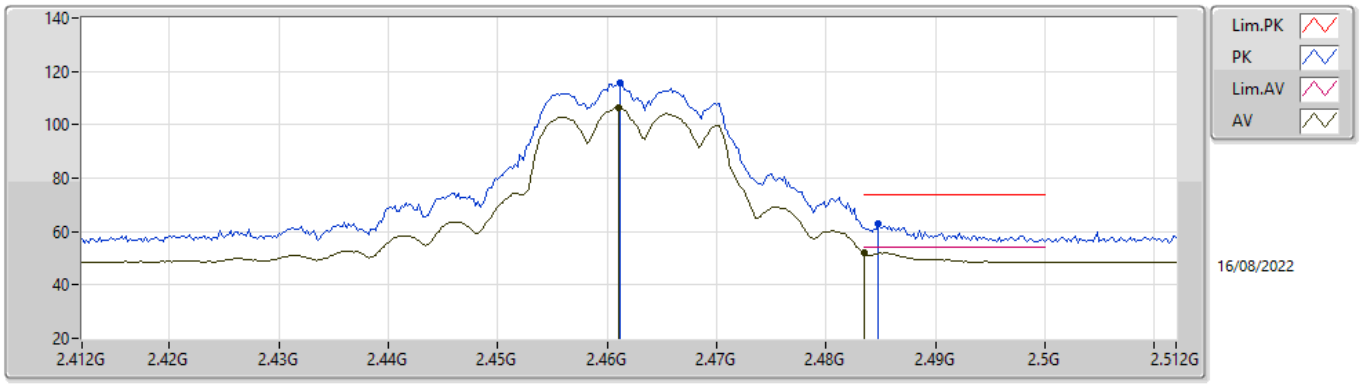
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.463G	104.01	Inf	-Inf	35.91	3	Vertical	18	1.56	-	68.10	27.58	8.33	-
AV	2.4835G	53.59	54.00	-0.41	36.04	3	Vertical	18	1.56	-	17.55	27.70	8.34	-
PK	2.4628G	113.08	Inf	-Inf	35.91	3	Vertical	18	1.56	-	77.17	27.58	8.33	-
PK	2.4835G	64.68	74.00	-9.32	36.04	3	Vertical	18	1.56	-	28.64	27.70	8.34	-

802.11g_Nss1,(6Mbps)_2TX

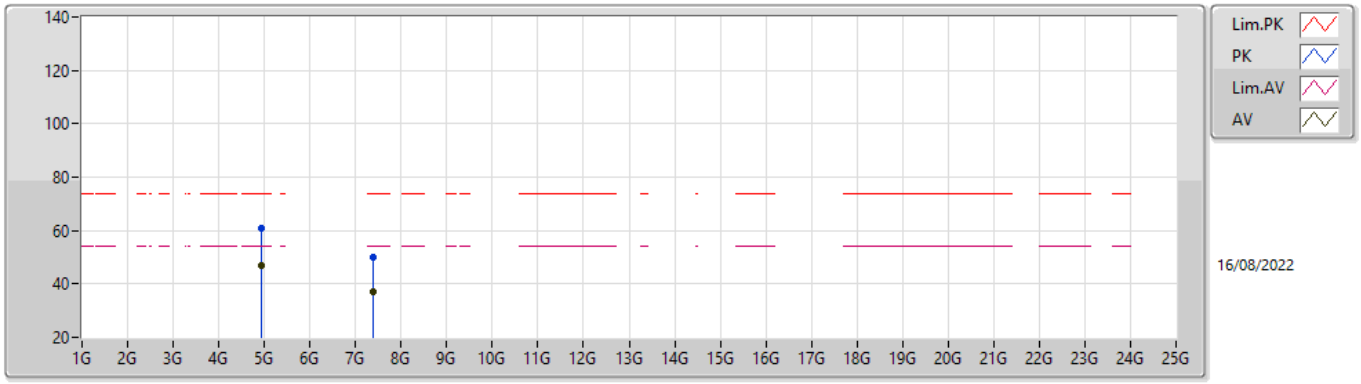
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.461G	106.30	Inf	-Inf	35.90	3	Horizontal	325	1.94	-	70.40	27.57	8.33	-
AV	2.4835G	52.06	54.00	-1.94	36.04	3	Horizontal	325	1.94	-	16.02	27.70	8.34	-
PK	2.4612G	115.59	Inf	-Inf	35.90	3	Horizontal	325	1.94	-	79.69	27.57	8.33	-
PK	2.4848G	62.93	74.00	-11.07	36.06	3	Horizontal	325	1.94	-	26.87	27.71	8.35	-

802.11g_Nss1,(6Mbps)_2TX

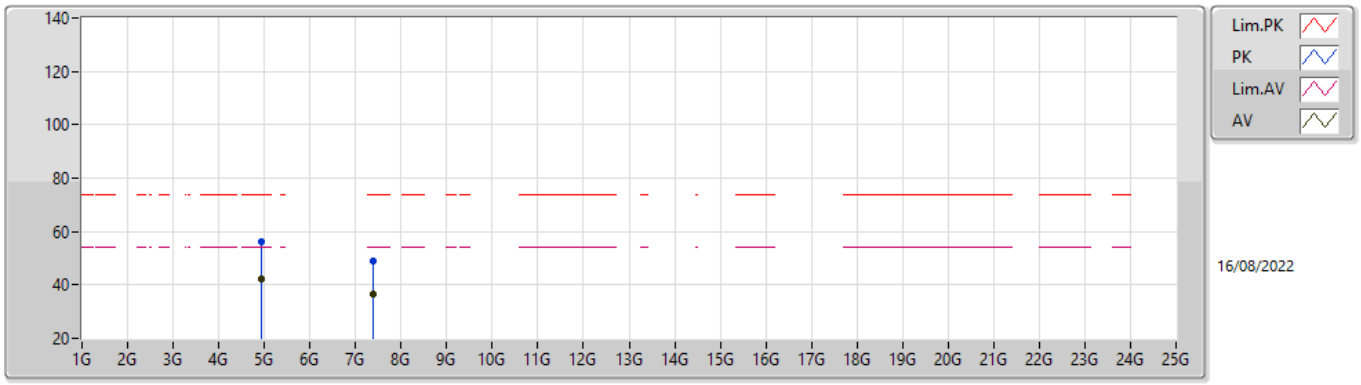
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9208G	46.96	54.00	-7.04	8.36	3	Vertical	216	1.34	-	38.60	32.78	9.72	34.14
AV	7.38524G	37.04	54.00	-16.96	13.34	3	Vertical	186	2.00	-	23.70	36.49	11.34	34.49
PK	4.92044G	60.82	74.00	-13.18	8.36	3	Vertical	216	1.34	-	52.46	32.78	9.72	34.14
PK	7.384G	49.77	74.00	-24.23	13.35	3	Vertical	186	2.00	-	36.42	36.50	11.34	34.49

802.11g_Nss1,(6Mbps)_2TX

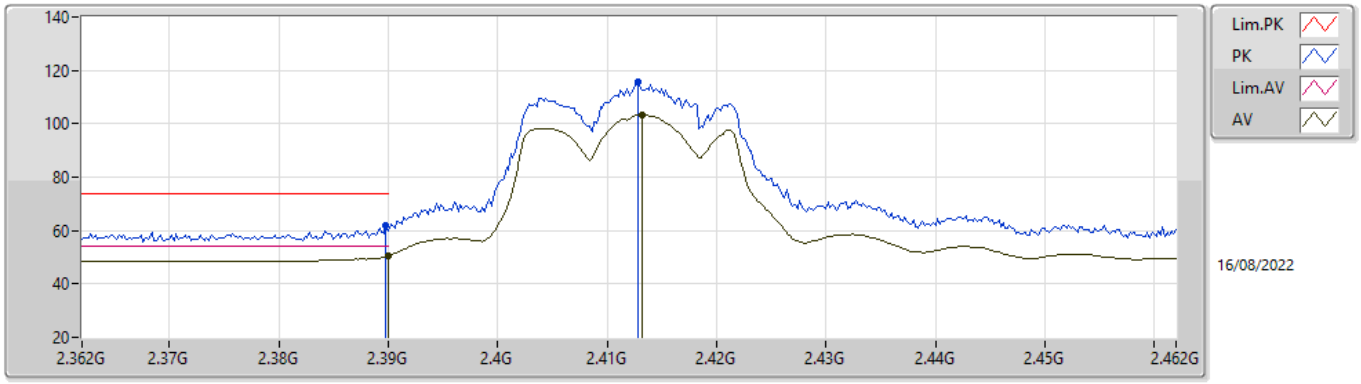
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92568G	42.18	54.00	-11.82	8.38	3	Horizontal	233	1.44	-	33.80	32.80	9.72	34.14
AV	7.3804G	36.54	54.00	-17.46	13.37	3	Horizontal	92	1.50	-	23.17	36.52	11.34	34.49
PK	4.92544G	56.44	74.00	-17.56	8.38	3	Horizontal	233	1.44	-	48.06	32.80	9.72	34.14
PK	7.37956G	49.19	74.00	-24.81	13.37	3	Horizontal	92	1.50	-	35.82	36.52	11.34	34.49

802.11ax HEW20_Nss1,(MCS0)_2TX

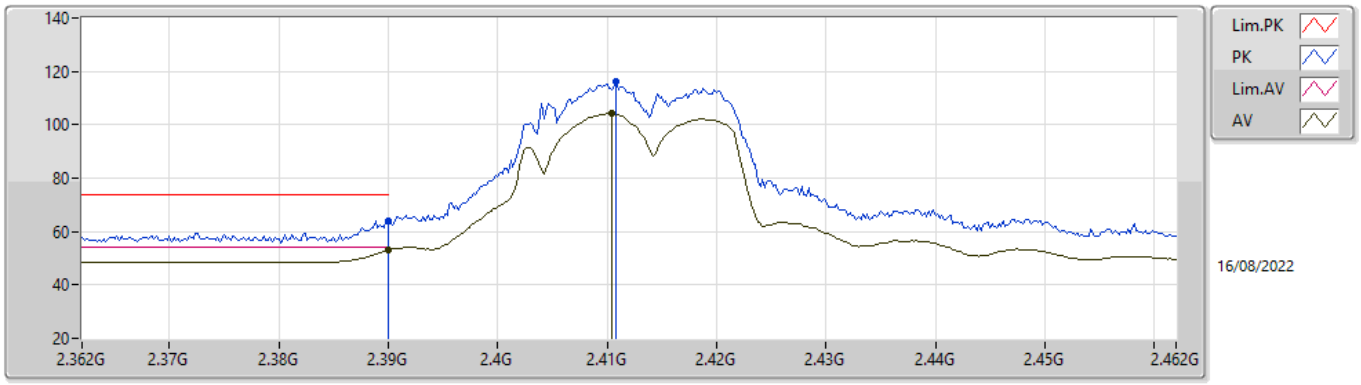
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	50.67	54.00	-3.33	35.56	3	Vertical	18	1.74	-	15.11	27.28	8.28	-
AV	2.4132G	103.35	Inf	-Inf	35.65	3	Vertical	18	1.74	-	67.70	27.35	8.30	-
PK	2.3898G	61.87	74.00	-12.13	35.56	3	Vertical	18	1.74	-	26.31	27.28	8.28	-
PK	2.4128G	115.83	Inf	-Inf	35.65	3	Vertical	18	1.74	-	80.18	27.35	8.30	-

802.11ax HEW20_Nss1,(MCS0)_2TX

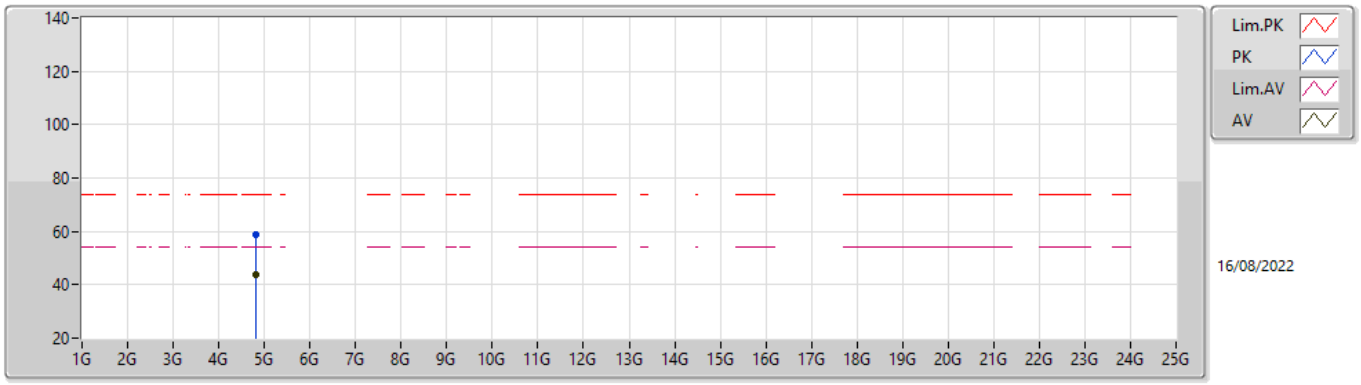
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.07	54.00	-0.93	35.56	3	Horizontal	320	2.20	-	17.51	27.28	8.28	-
AV	2.4104G	104.11	Inf	-Inf	35.64	3	Horizontal	320	2.20	-	68.47	27.34	8.30	-
PK	2.39G	63.77	74.00	-10.23	35.56	3	Horizontal	320	2.20	-	28.21	27.28	8.28	-
PK	2.4108G	116.18	Inf	-Inf	35.64	3	Horizontal	320	2.20	-	80.54	27.34	8.30	-

802.11ax HEW20_Nss1,(MCS0)_2TX

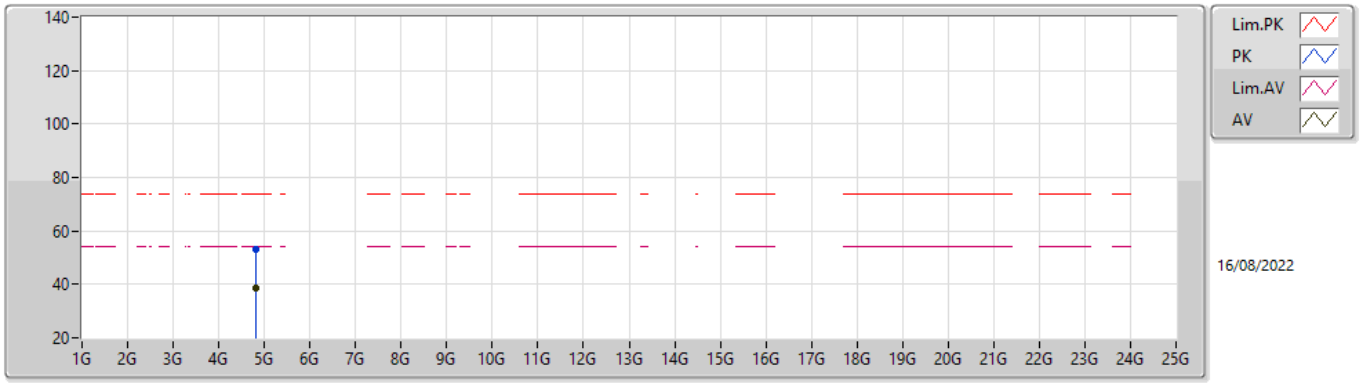
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82676G	43.99	54.00	-10.01	8.05	3	Vertical	207	1.21	-	35.94	32.55	9.68	34.18
PK	4.82696G	58.56	74.00	-15.44	8.05	3	Vertical	207	1.21	-	50.51	32.55	9.68	34.18

802.11ax HEW20_Nss1,(MCS0)_2TX

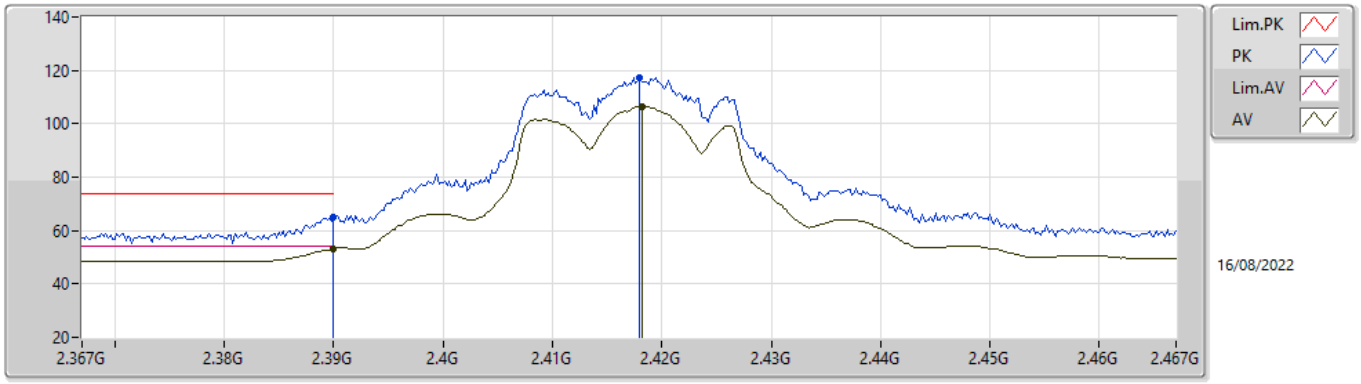
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82636G	38.48	54.00	-15.52	8.05	3	Horizontal	234	1.44	-	30.43	32.55	9.68	34.18
PK	4.82532G	53.34	74.00	-20.66	8.05	3	Horizontal	234	1.44	-	45.29	32.55	9.68	34.18

802.11ax HEW20_Nss1,(MCS0)_2TX

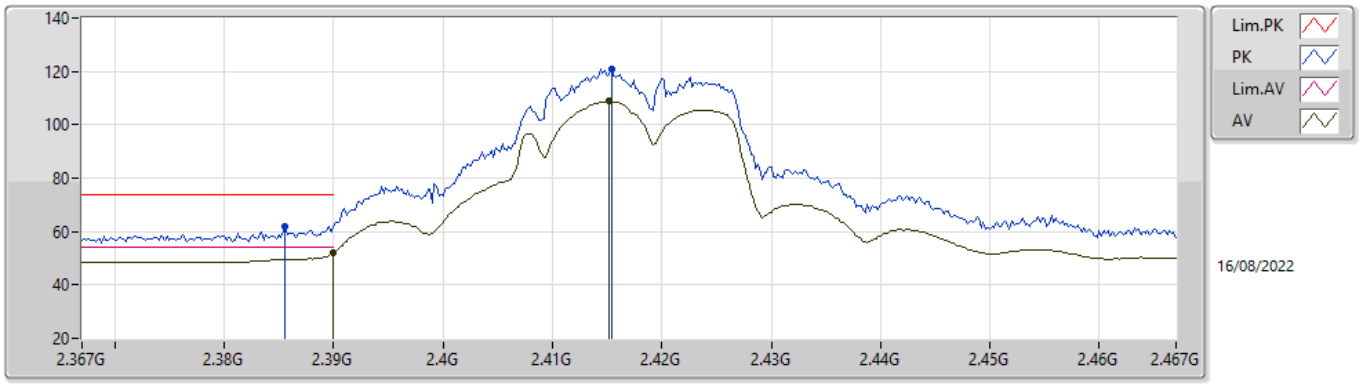
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.22	54.00	-0.78	35.56	3	Vertical	20	1.76	-	17.66	27.28	8.28	-
AV	2.4182G	106.48	Inf	-Inf	35.67	3	Vertical	20	1.76	-	70.81	27.37	8.30	-
PK	2.39G	64.95	74.00	-9.05	35.56	3	Vertical	20	1.76	-	29.39	27.28	8.28	-
PK	2.418G	117.39	Inf	-Inf	35.67	3	Vertical	20	1.76	-	81.72	27.37	8.30	-

802.11ax HEW20_Nss1,(MCS0)_2TX

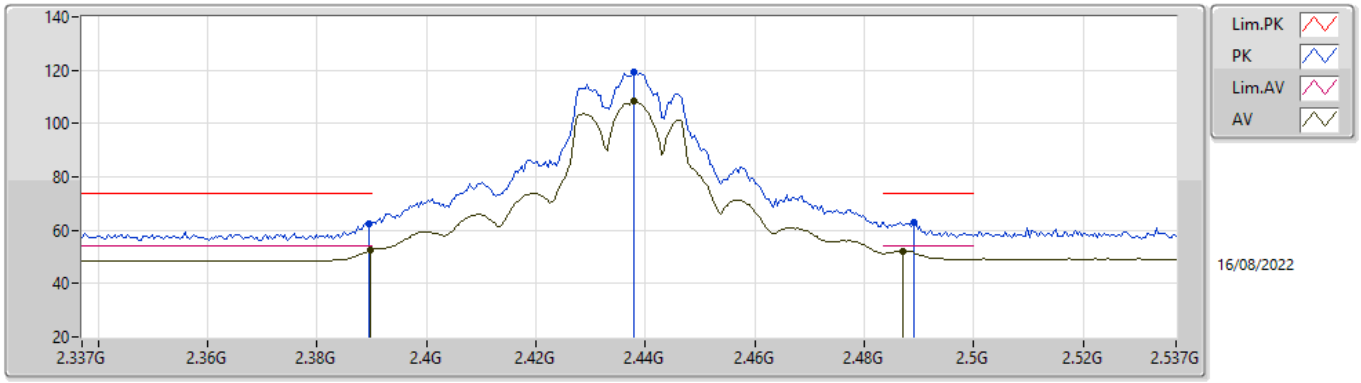
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.13	54.00	-1.87	35.56	3	Horizontal	324	2.18	-	16.57	27.28	8.28	-
AV	2.4152G	108.72	Inf	-Inf	35.66	3	Horizontal	324	2.18	-	73.06	27.36	8.30	-
PK	2.3856G	62.15	74.00	-11.85	35.55	3	Horizontal	324	2.18	-	26.60	27.27	8.28	-
PK	2.4154G	120.98	Inf	-Inf	35.66	3	Horizontal	324	2.18	-	85.32	27.36	8.30	-

802.11ax HEW20_Nss1,(MCS0)_2TX

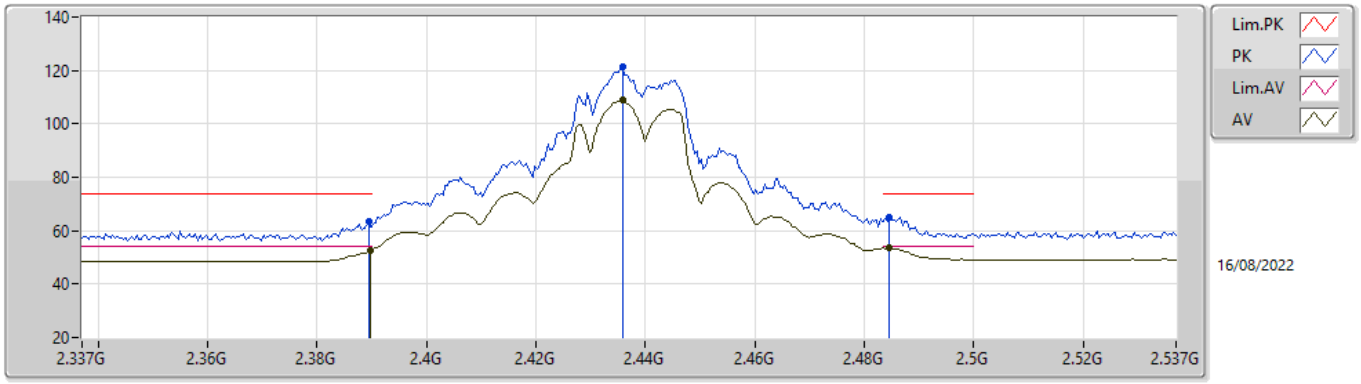
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	52.62	54.00	-1.38	35.56	3	Vertical	12	1.94	-	17.06	27.28	8.28	-
AV	2.4378G	108.45	Inf	-Inf	35.76	3	Vertical	12	1.94	-	72.69	27.45	8.31	-
AV	2.487G	52.11	54.00	-1.89	36.07	3	Vertical	12	1.94	-	16.04	27.72	8.35	-
PK	2.3894G	62.61	74.00	-11.39	35.56	3	Vertical	12	1.94	-	27.05	27.28	8.28	-
PK	2.4378G	119.07	Inf	-Inf	35.76	3	Vertical	12	1.94	-	83.31	27.45	8.31	-
PK	2.489G	63.05	74.00	-10.95	36.08	3	Vertical	12	1.94	-	26.97	27.73	8.35	-

802.11ax HEW20_Nss1,(MCS0)_2TX

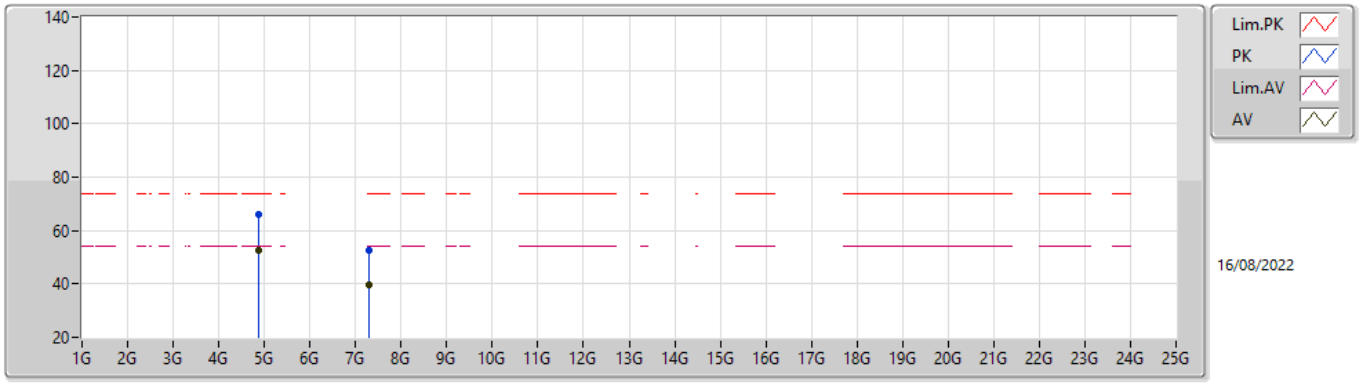
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	52.57	54.00	-1.43	35.56	3	Horizontal	328	1.78	-	17.01	27.28	8.28	-
AV	2.4358G	108.84	Inf	-Inf	35.75	3	Horizontal	328	1.78	-	73.09	27.44	8.31	-
AV	2.4846G	53.49	54.00	-0.51	36.05	3	Horizontal	328	1.78	-	17.44	27.71	8.34	-
PK	2.3894G	63.68	74.00	-10.32	35.56	3	Horizontal	328	1.78	-	28.12	27.28	8.28	-
PK	2.4358G	121.13	Inf	-Inf	35.75	3	Horizontal	328	1.78	-	85.38	27.44	8.31	-
PK	2.4846G	65.23	74.00	-8.77	36.05	3	Horizontal	328	1.78	-	29.18	27.71	8.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

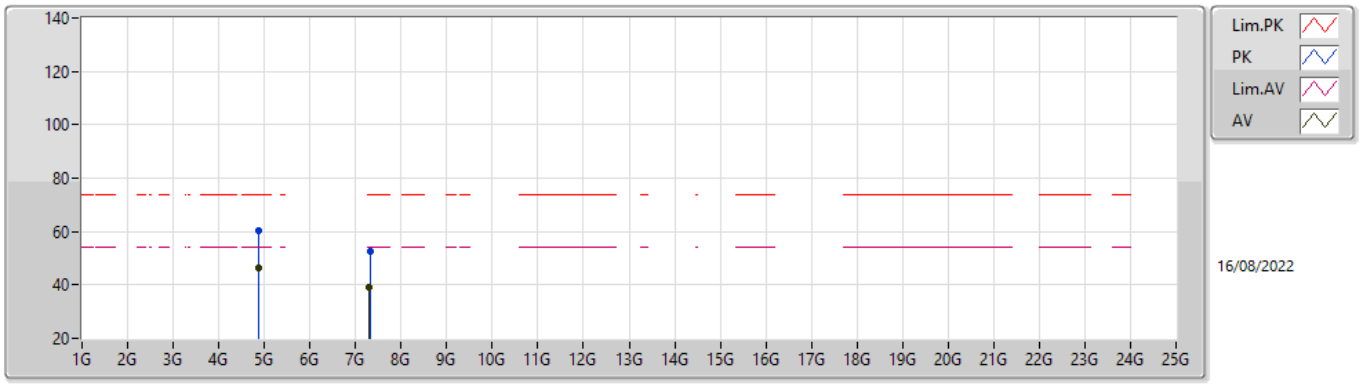
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87676G	52.37	54.00	-1.63	8.19	3	Vertical	204	1.28	-	44.18	32.65	9.70	34.16
AV	7.30992G	39.62	54.00	-14.38	13.44	3	Vertical	228	1.72	-	26.18	36.62	11.32	34.50
PK	4.8766G	66.21	74.00	-7.79	8.19	3	Vertical	204	1.28	-	58.02	32.65	9.70	34.16
PK	7.30976G	52.69	74.00	-21.31	13.44	3	Vertical	228	1.72	-	39.25	36.62	11.32	34.50

802.11ax HEW20_Nss1,(MCS0)_2TX

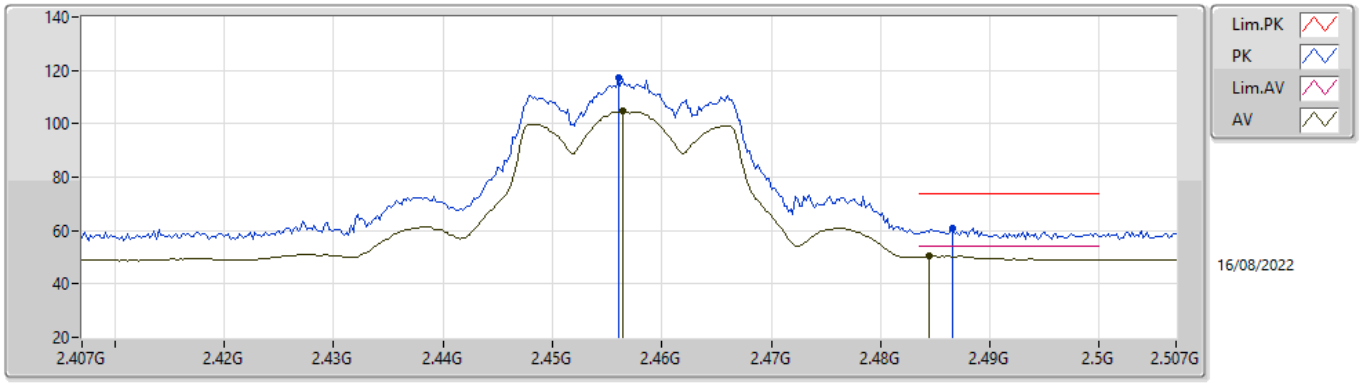
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87688G	46.58	54.00	-7.42	8.19	3	Horizontal	232	1.50	-	38.39	32.65	9.70	34.16
AV	7.31G	39.04	54.00	-14.96	13.44	3	Horizontal	95	1.95	-	25.60	36.62	11.32	34.50
PK	4.87648G	60.59	74.00	-13.41	8.19	3	Horizontal	232	1.50	-	52.40	32.65	9.70	34.16
PK	7.3118G	52.34	74.00	-21.66	13.44	3	Horizontal	95	1.95	-	38.90	36.62	11.32	34.50

802.11ax HEW20_Nss1,(MCS0)_2TX

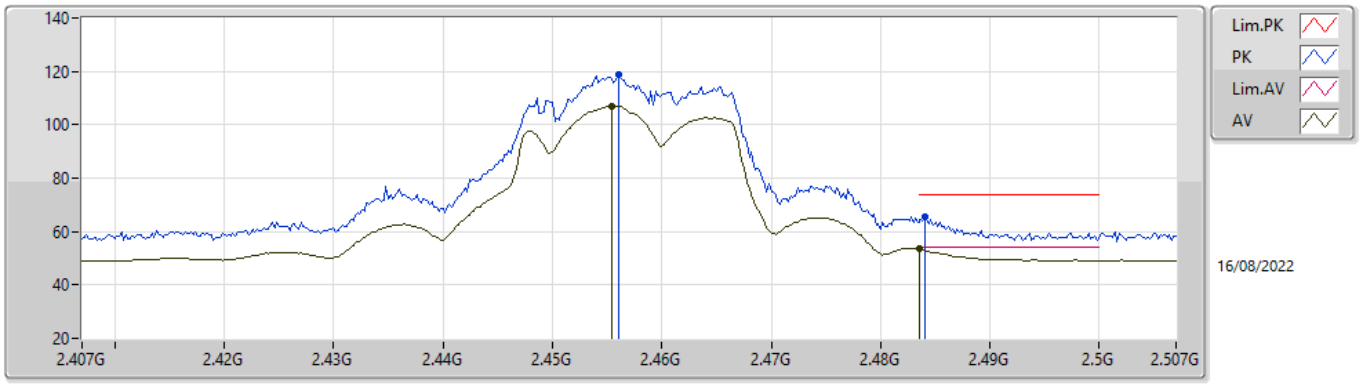
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4564G	104.95	Inf	-Inf	35.87	3	Vertical	15	2.34	-	69.08	27.54	8.33	-
AV	2.4844G	50.39	54.00	-3.61	36.05	3	Vertical	15	2.34	-	14.34	27.71	8.34	-
PK	2.456G	117.21	Inf	-Inf	35.87	3	Vertical	15	2.34	-	81.34	27.54	8.33	-
PK	2.4866G	61.03	74.00	-12.97	36.07	3	Vertical	15	2.34	-	24.96	27.72	8.35	-

802.11ax HEW20_Nss1,(MCS0)_2TX

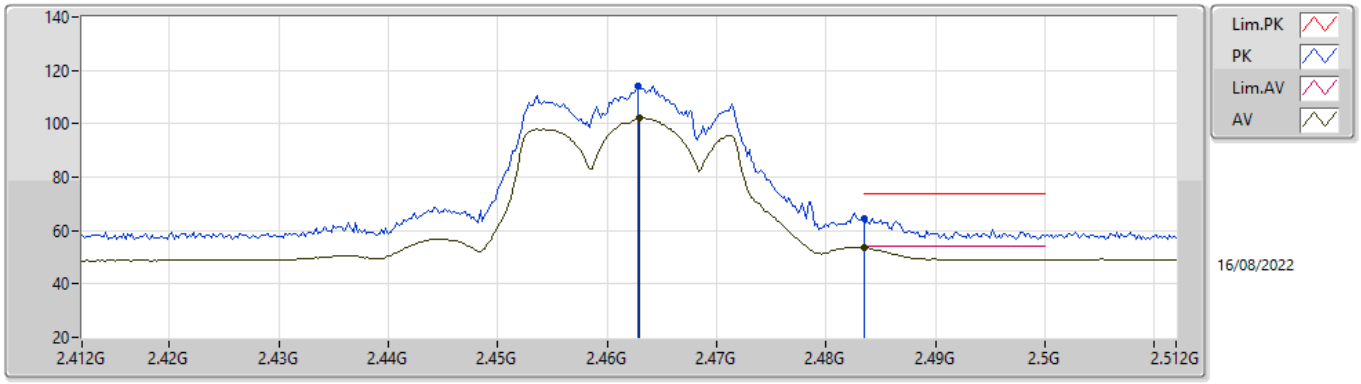
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4554G	106.92	Inf	-Inf	35.86	3	Horizontal	326	1.75	-	71.06	27.53	8.33	-
AV	2.4835G	53.48	54.00	-0.52	36.04	3	Horizontal	326	1.75	-	17.44	27.70	8.34	-
PK	2.456G	118.88	Inf	-Inf	35.87	3	Horizontal	326	1.75	-	83.01	27.54	8.33	-
PK	2.484G	65.66	74.00	-8.34	36.04	3	Horizontal	326	1.75	-	29.62	27.70	8.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

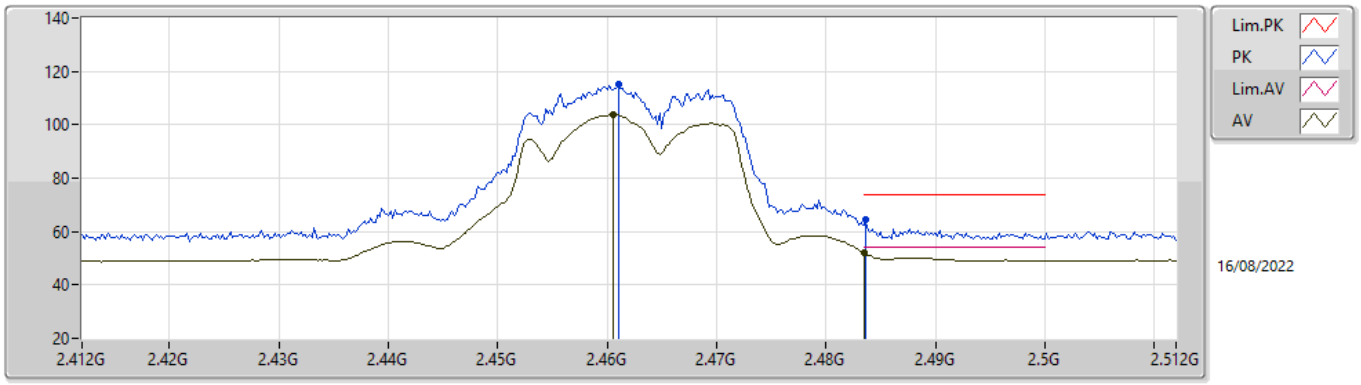
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.463G	102.18	Inf	-Inf	35.91	3	Vertical	17	1.71	-	66.27	27.58	8.33	-
AV	2.4835G	53.53	54.00	-0.47	36.04	3	Vertical	17	1.71	-	17.49	27.70	8.34	-
PK	2.4628G	114.26	Inf	-Inf	35.91	3	Vertical	17	1.71	-	78.35	27.58	8.33	-
PK	2.4835G	64.62	74.00	-9.38	36.04	3	Vertical	17	1.71	-	28.58	27.70	8.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

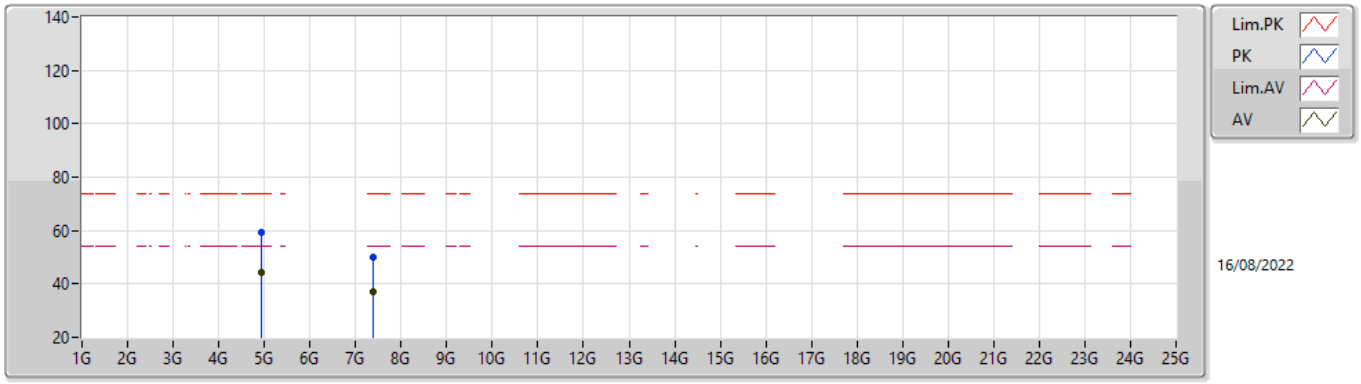
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4606G	103.87	Inf	-Inf	35.89	3	Horizontal	328	1.77	-	67.98	27.56	8.33	-
AV	2.4835G	51.96	54.00	-2.04	36.04	3	Horizontal	328	1.77	-	15.92	27.70	8.34	-
PK	2.461G	115.35	Inf	-Inf	35.90	3	Horizontal	328	1.77	-	79.45	27.57	8.33	-
PK	2.4836G	64.47	74.00	-9.53	36.04	3	Horizontal	328	1.77	-	28.43	27.70	8.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

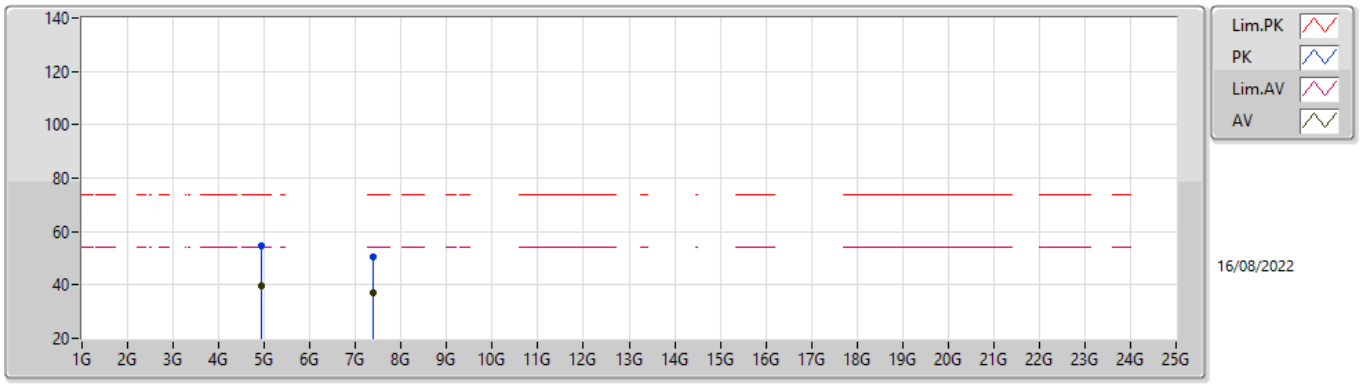
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92664G	44.35	54.00	-9.65	8.39	3	Vertical	217	1.98	-	35.96	32.81	9.72	34.14
AV	7.3822G	36.82	54.00	-17.18	13.36	3	Vertical	99	1.50	-	23.46	36.51	11.34	34.49
PK	4.92488G	59.40	74.00	-14.60	8.38	3	Vertical	217	1.98	-	51.02	32.80	9.72	34.14
PK	7.37792G	49.86	74.00	-24.14	13.38	3	Vertical	99	1.50	-	36.48	36.53	11.34	34.49

802.11ax HEW20_Nss1,(MCS0)_2TX

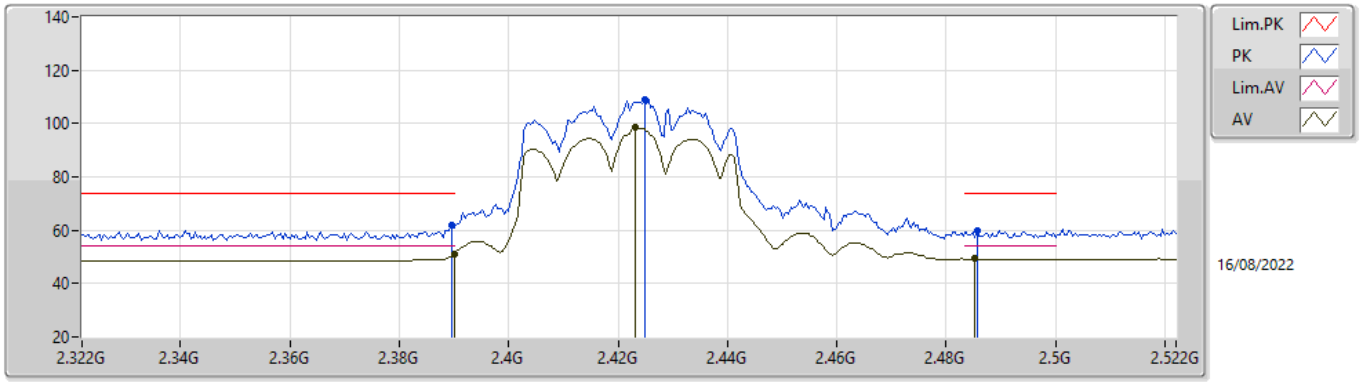
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.927G	39.62	54.00	-14.38	8.39	3	Horizontal	231	1.45	-	31.23	32.81	9.72	34.14
AV	7.37972G	37.13	54.00	-16.87	13.37	3	Horizontal	258	1.50	-	23.76	36.52	11.34	34.49
PK	4.9264G	54.51	74.00	-19.49	8.39	3	Horizontal	231	1.45	-	46.12	32.81	9.72	34.14
PK	7.37836G	50.70	74.00	-23.30	13.38	3	Horizontal	258	1.50	-	37.32	36.53	11.34	34.49

802.11ax HEW40_Nss1,(MCS0)_2TX

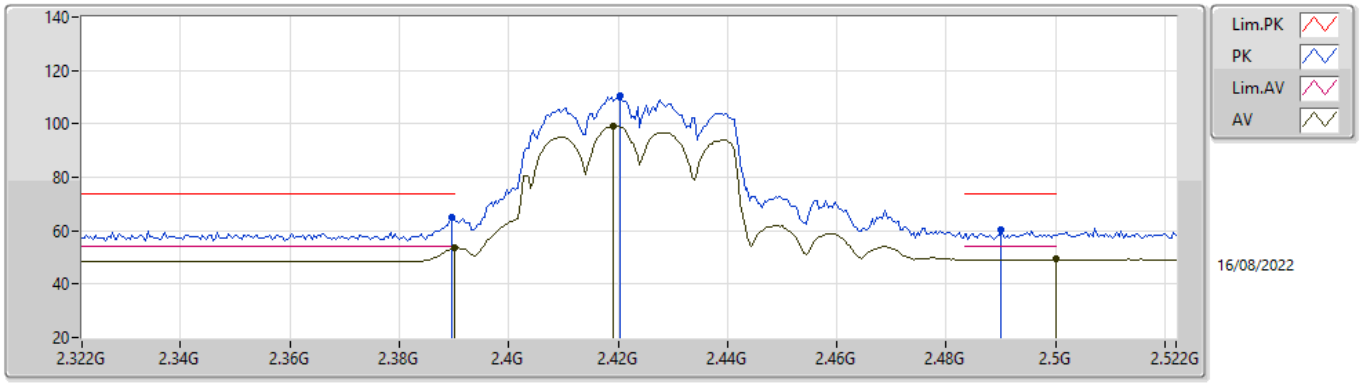
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	51.21	54.00	-2.79	35.56	3	Vertical	360	1.61	-	15.65	27.28	8.28	-
AV	2.4232G	98.55	Inf	-Inf	35.70	3	Vertical	360	1.61	-	62.85	27.39	8.31	-
AV	2.4852G	49.23	54.00	-4.77	36.06	3	Vertical	360	1.61	-	13.17	27.71	8.35	-
PK	2.3896G	61.64	74.00	-12.36	35.56	3	Vertical	360	1.61	-	26.08	27.28	8.28	-
PK	2.4248G	109.10	Inf	-Inf	35.71	3	Vertical	360	1.61	-	73.39	27.40	8.31	-
PK	2.4856G	59.73	74.00	-14.27	36.06	3	Vertical	360	1.61	-	23.67	27.71	8.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

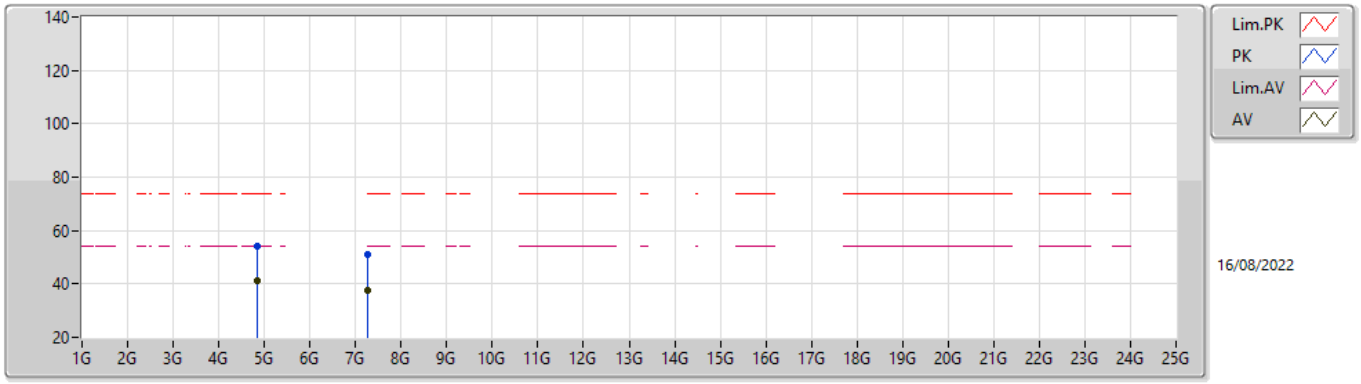
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.43	54.00	-0.57	35.56	3	Horizontal	320	2.18	-	17.87	27.28	8.28	-
AV	2.4192G	99.24	Inf	-Inf	35.68	3	Horizontal	320	2.18	-	63.56	27.38	8.30	-
AV	2.5G	49.26	54.00	-4.74	36.16	3	Horizontal	320	2.18	-	13.10	27.80	8.36	-
PK	2.3896G	64.76	74.00	-9.24	35.56	3	Horizontal	320	2.18	-	29.20	27.28	8.28	-
PK	2.4204G	110.34	Inf	-Inf	35.68	3	Horizontal	320	2.18	-	74.66	27.38	8.30	-
PK	2.49G	60.13	74.00	-13.87	36.09	3	Horizontal	320	2.18	-	24.04	27.74	8.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

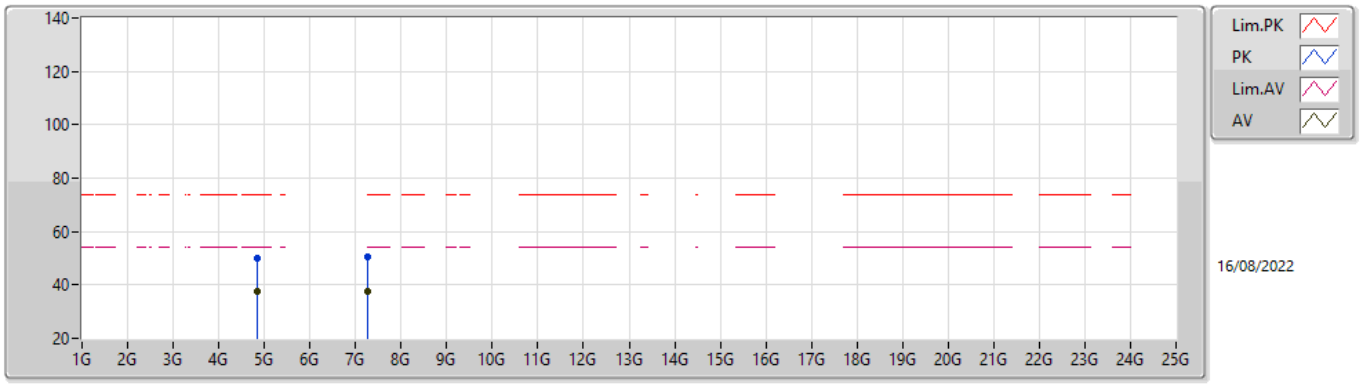
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8469G	41.31	54.00	-12.69	8.11	3	Vertical	207	3.00	-	33.20	32.59	9.69	34.17
AV	7.2507G	37.74	54.00	-16.26	13.51	3	Vertical	89	2.44	-	24.23	36.70	11.31	34.50
PK	4.8464G	54.25	74.00	-19.75	8.11	3	Vertical	207	3.00	-	46.14	32.59	9.69	34.17
PK	7.2602G	51.23	74.00	-22.77	13.49	3	Vertical	89	2.44	-	37.74	36.68	11.31	34.50

802.11ax HEW40_Nss1,(MCS0)_2TX

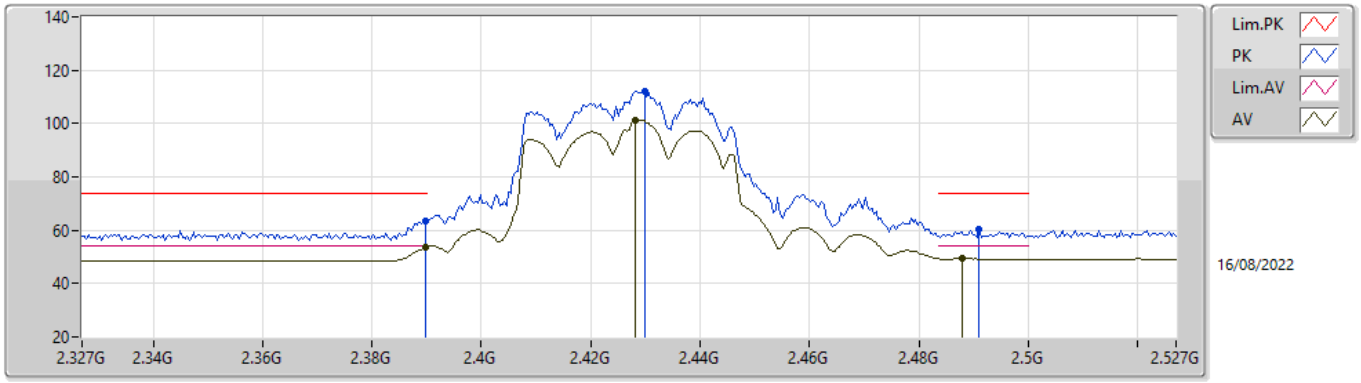
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8466G	37.57	54.00	-16.43	8.11	3	Horizontal	140	1.45	-	29.46	32.59	9.69	34.17
AV	7.2502G	37.84	54.00	-16.16	13.51	3	Horizontal	212	1.50	-	24.33	36.70	11.31	34.50
PK	4.8474G	49.85	74.00	-24.15	8.11	3	Horizontal	140	1.45	-	41.74	32.59	9.69	34.17
PK	7.2505G	50.27	74.00	-23.73	13.51	3	Horizontal	212	1.50	-	36.76	36.70	11.31	34.50

802.11ax HEW40_Nss1,(MCS0)_2TX

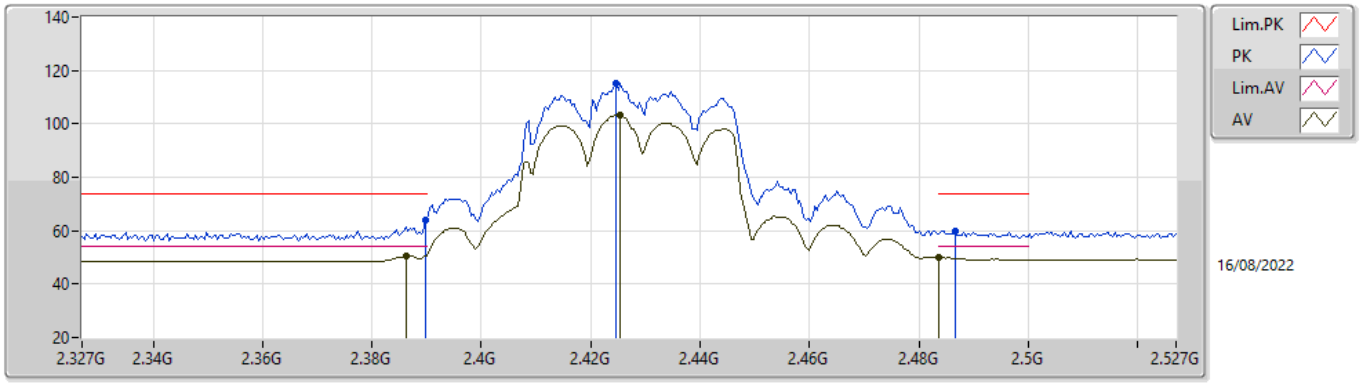
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	53.71	54.00	-0.29	35.56	3	Vertical	8	1.50	-	18.15	27.28	8.28	-
AV	2.4282G	101.31	Inf	-Inf	35.72	3	Vertical	8	1.50	-	65.59	27.41	8.31	-
AV	2.4878G	49.43	54.00	-4.57	36.08	3	Vertical	8	1.50	-	13.35	27.73	8.35	-
PK	2.3898G	63.38	74.00	-10.62	35.56	3	Vertical	8	1.50	-	27.82	27.28	8.28	-
PK	2.4298G	111.99	Inf	-Inf	35.73	3	Vertical	8	1.50	-	76.26	27.42	8.31	-
PK	2.491G	60.11	74.00	-13.89	36.10	3	Vertical	8	1.50	-	24.01	27.75	8.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

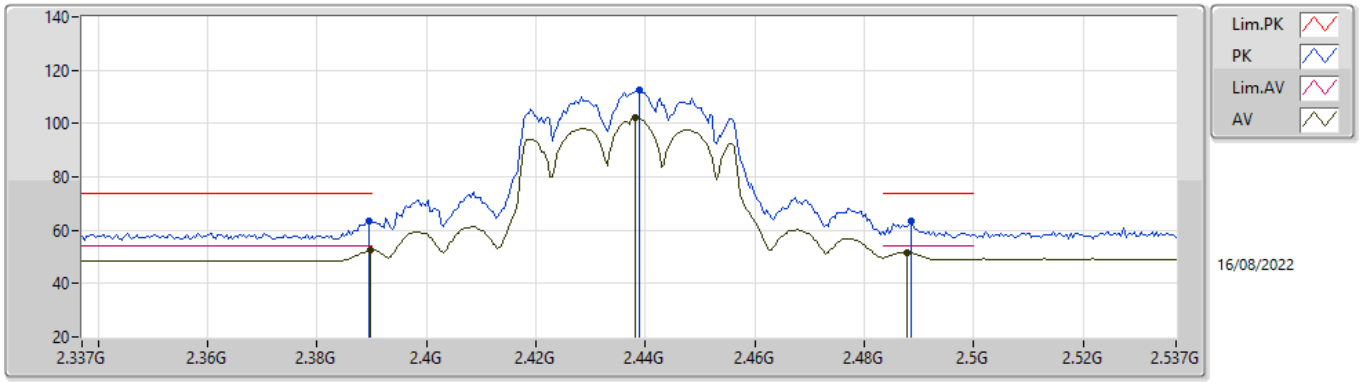
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3862G	50.33	54.00	-3.67	35.55	3	Horizontal	322	1.95	-	14.78	27.27	8.28	-
AV	2.4254G	103.19	Inf	-Inf	35.71	3	Horizontal	322	1.95	-	67.48	27.40	8.31	-
AV	2.4835G	49.91	54.00	-4.09	36.04	3	Horizontal	322	1.95	-	13.87	27.70	8.34	-
PK	2.3898G	64.15	74.00	-9.85	35.56	3	Horizontal	322	1.95	-	28.59	27.28	8.28	-
PK	2.4246G	115.09	Inf	-Inf	35.71	3	Horizontal	322	1.95	-	79.38	27.40	8.31	-
PK	2.4866G	59.92	74.00	-14.08	36.07	3	Horizontal	322	1.95	-	23.85	27.72	8.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

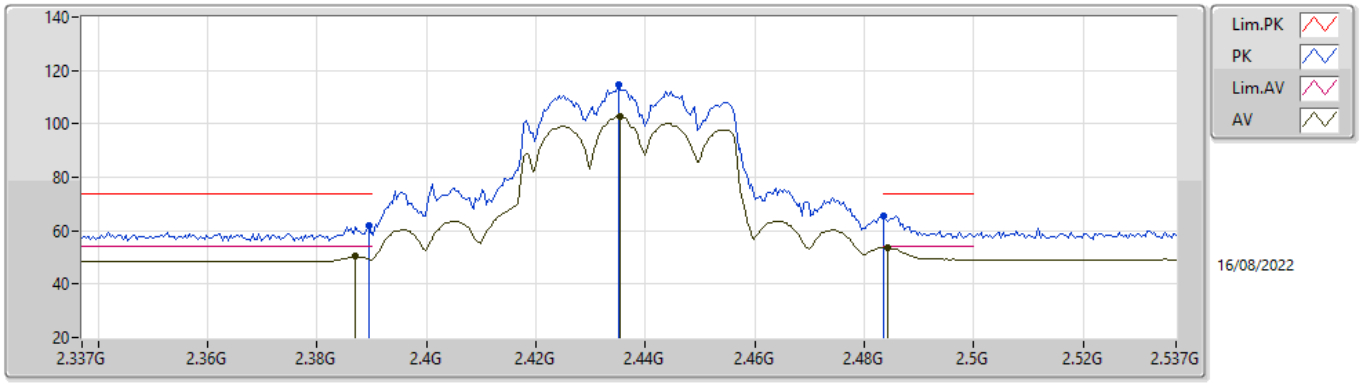
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	52.42	54.00	-1.58	35.56	3	Vertical	9	1.94	-	16.86	27.28	8.28	-
AV	2.4382G	102.33	Inf	-Inf	35.76	3	Vertical	9	1.94	-	66.57	27.45	8.31	-
AV	2.4878G	51.68	54.00	-2.32	36.08	3	Vertical	9	1.94	-	15.60	27.73	8.35	-
PK	2.3894G	63.47	74.00	-10.53	35.56	3	Vertical	9	1.94	-	27.91	27.28	8.28	-
PK	2.439G	112.65	Inf	-Inf	35.78	3	Vertical	9	1.94	-	76.87	27.46	8.32	-
PK	2.4886G	63.61	74.00	-10.39	36.08	3	Vertical	9	1.94	-	27.53	27.73	8.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

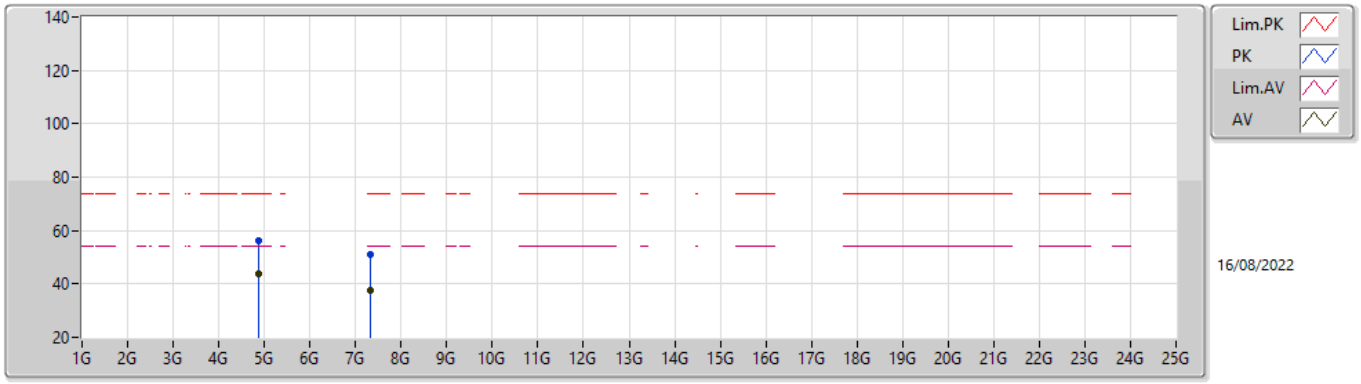
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.387G	50.39	54.00	-3.61	35.55	3	Horizontal	326	1.79	-	14.84	27.27	8.28	-
AV	2.4354G	102.67	Inf	-Inf	35.75	3	Horizontal	326	1.79	-	66.92	27.44	8.31	-
AV	2.4842G	53.77	54.00	-0.23	36.05	3	Horizontal	326	1.79	-	17.72	27.71	8.34	-
PK	2.3894G	61.66	74.00	-12.34	35.56	3	Horizontal	326	1.79	-	26.10	27.28	8.28	-
PK	2.435G	114.77	Inf	-Inf	35.75	3	Horizontal	326	1.79	-	79.02	27.44	8.31	-
PK	2.4835G	65.60	74.00	-8.40	36.04	3	Horizontal	326	1.79	-	29.56	27.70	8.34	-

802.11ax HEW40_Nss1,(MCS0)_2TX

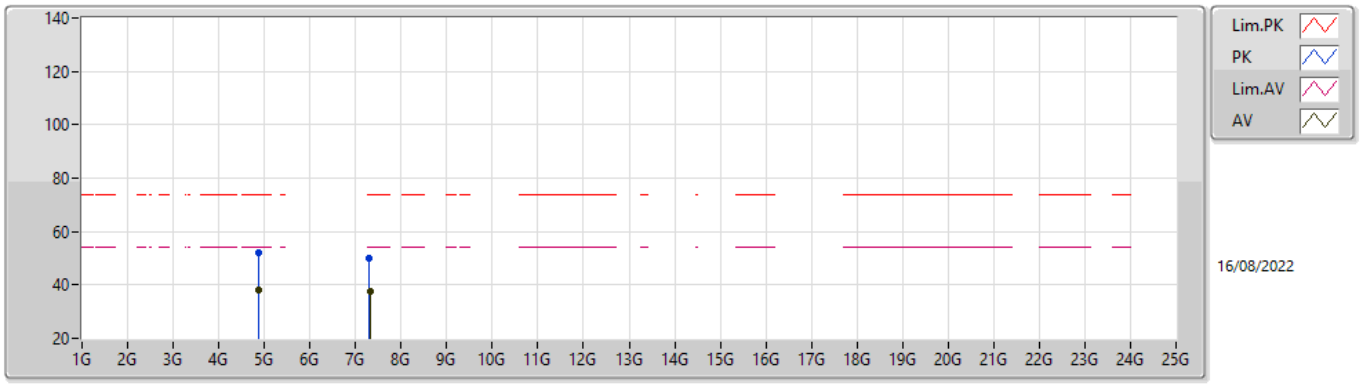
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87688G	43.67	54.00	-10.33	8.19	3	Vertical	212	2.76	-	35.48	32.65	9.70	34.16
AV	7.33152G	37.64	54.00	-16.36	13.49	3	Vertical	360	1.85	-	24.15	36.66	11.33	34.50
PK	4.87724G	56.37	74.00	-17.63	8.19	3	Vertical	212	2.76	-	48.18	32.65	9.70	34.16
PK	7.31136G	50.87	74.00	-23.13	13.44	3	Vertical	360	1.85	-	37.43	36.62	11.32	34.50

802.11ax HEW40_Nss1,(MCS0)_2TX

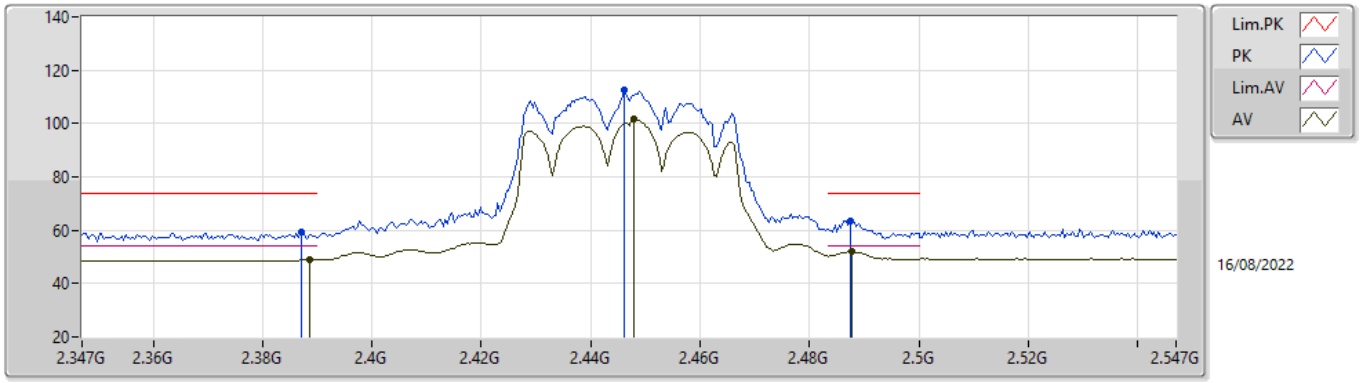
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87712G	38.01	54.00	-15.99	8.19	3	Horizontal	233	1.50	-	29.82	32.65	9.70	34.16
AV	7.32828G	37.69	54.00	-16.31	13.49	3	Horizontal	113	1.50	-	24.20	36.66	11.33	34.50
PK	4.87652G	52.21	74.00	-21.79	8.19	3	Horizontal	233	1.50	-	44.02	32.65	9.70	34.16
PK	7.29312G	50.22	74.00	-23.78	13.43	3	Horizontal	113	1.50	-	36.79	36.61	11.32	34.50

802.11ax HEW40_Nss1,(MCS0)_2TX

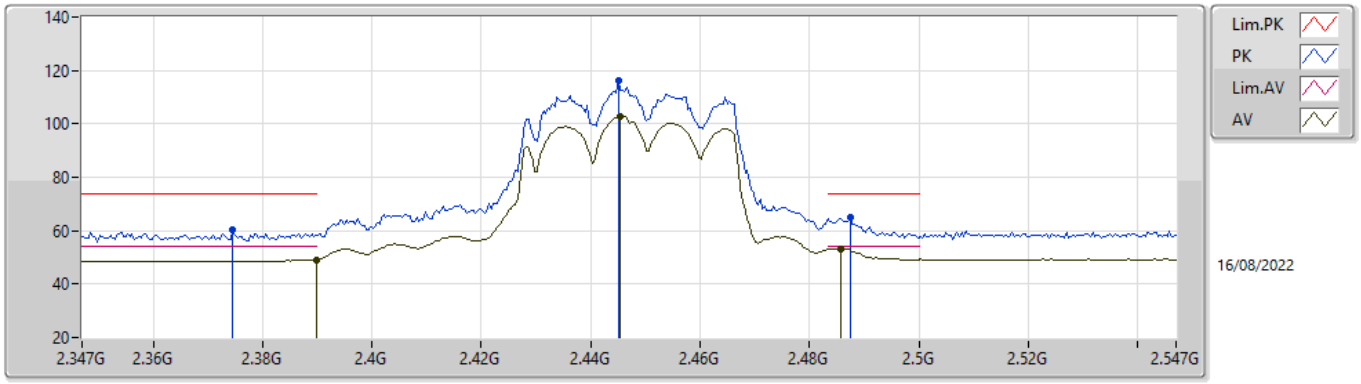
2447MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	49.14	54.00	-4.86	35.56	3	Vertical	10	1.93	-	13.58	27.28	8.28	-
AV	2.4478G	101.53	Inf	-Inf	35.81	3	Vertical	10	1.93	-	65.72	27.49	8.32	-
AV	2.4878G	51.98	54.00	-2.02	36.08	3	Vertical	10	1.93	-	15.90	27.73	8.35	-
PK	2.387G	59.14	74.00	-14.86	35.55	3	Vertical	10	1.93	-	23.59	27.27	8.28	-
PK	2.4462G	112.35	Inf	-Inf	35.80	3	Vertical	10	1.93	-	76.55	27.48	8.32	-
PK	2.4874G	63.32	74.00	-10.68	36.07	3	Vertical	10	1.93	-	27.25	27.72	8.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

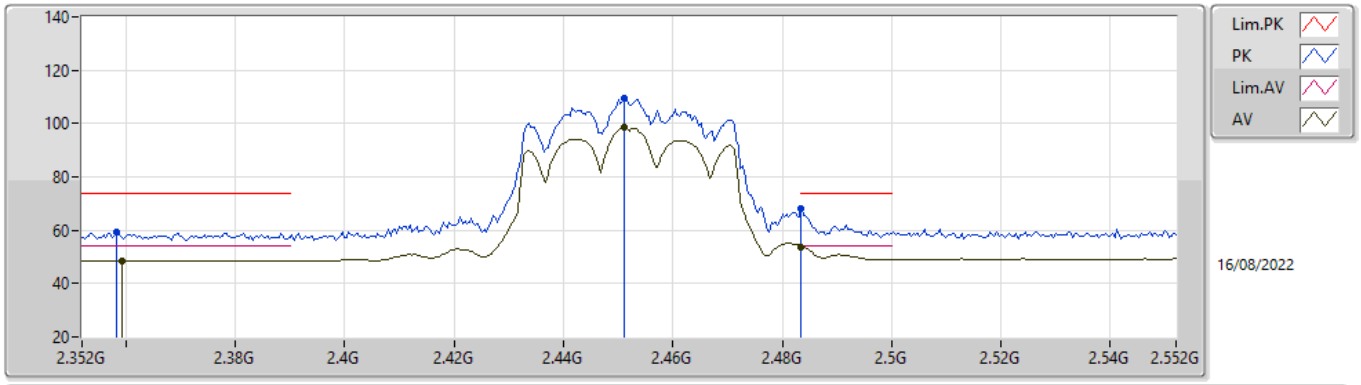
2447MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	49.04	54.00	-4.96	35.56	3	Horizontal	328	1.50	-	13.48	27.28	8.28	-
AV	2.4454G	103.00	Inf	-Inf	35.80	3	Horizontal	328	1.50	-	67.20	27.48	8.32	-
AV	2.4858G	53.33	54.00	-0.67	36.06	3	Horizontal	328	1.50	-	17.27	27.71	8.35	-
PK	2.3746G	60.21	74.00	-13.79	35.52	3	Horizontal	328	1.50	-	24.69	27.25	8.27	-
PK	2.445G	116.16	Inf	-Inf	35.80	3	Horizontal	328	1.50	-	80.36	27.48	8.32	-
PK	2.4874G	64.98	74.00	-9.02	36.07	3	Horizontal	328	1.50	-	28.91	27.72	8.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

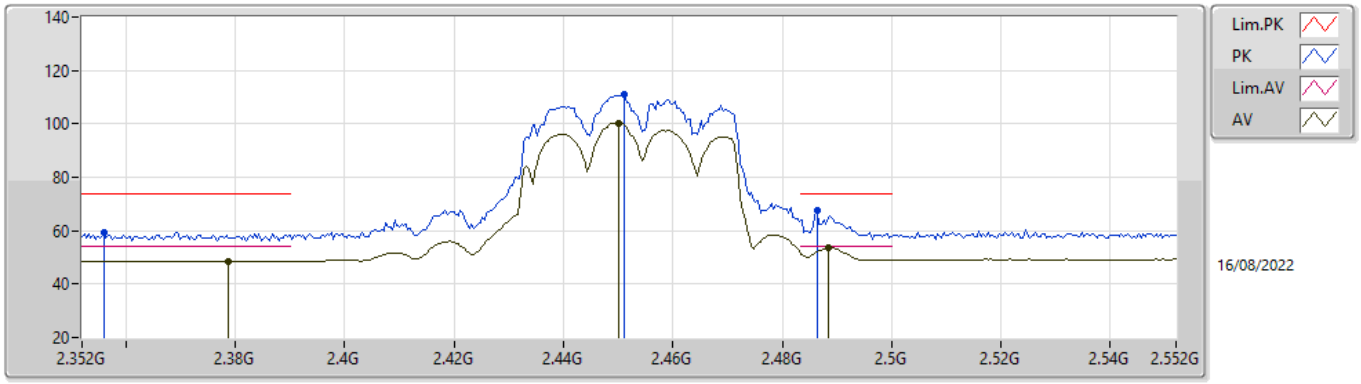
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3592G	48.56	54.00	-5.44	35.48	3	Vertical	9	2.31	-	13.08	27.22	8.26	-
AV	2.4512G	98.67	Inf	-Inf	35.83	3	Vertical	9	2.31	-	62.84	27.51	8.32	-
AV	2.4835G	53.79	54.00	-0.21	36.04	3	Vertical	9	2.31	-	17.75	27.70	8.34	-
PK	2.3584G	59.37	74.00	-14.63	35.48	3	Vertical	9	2.31	-	23.89	27.22	8.26	-
PK	2.4512G	109.26	Inf	-Inf	35.83	3	Vertical	9	2.31	-	73.43	27.51	8.32	-
PK	2.4835G	68.02	74.00	-5.98	36.04	3	Vertical	9	2.31	-	31.98	27.70	8.34	-

802.11ax HEW40_Nss1,(MCS0)_2TX

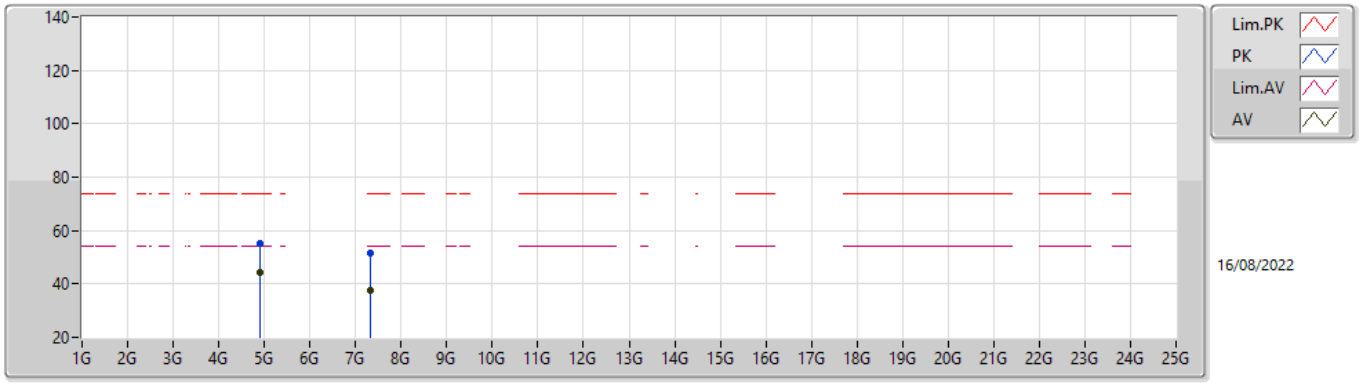
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3788G	48.60	54.00	-5.40	35.53	3	Horizontal	329	2.02	-	13.07	27.26	8.27	-
AV	2.45G	100.40	Inf	-Inf	35.82	3	Horizontal	329	2.02	-	64.58	27.50	8.32	-
AV	2.4884G	53.53	54.00	-0.47	36.08	3	Horizontal	329	2.02	-	17.45	27.73	8.35	-
PK	2.356G	59.33	74.00	-14.67	35.47	3	Horizontal	329	2.02	-	23.86	27.21	8.26	-
PK	2.4512G	110.89	Inf	-Inf	35.83	3	Horizontal	329	2.02	-	75.06	27.51	8.32	-
PK	2.4864G	67.60	74.00	-6.40	36.07	3	Horizontal	329	2.02	-	31.53	27.72	8.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

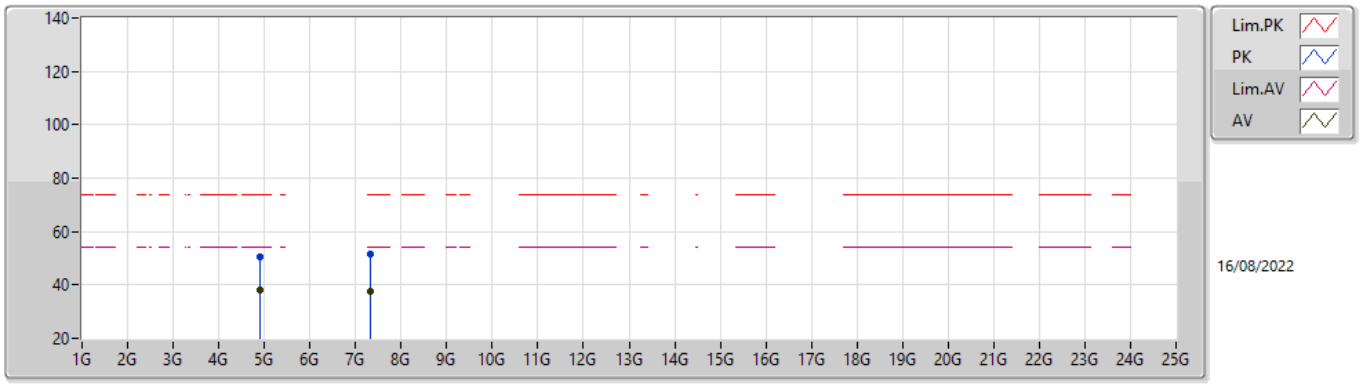
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9041G	44.07	54.00	-9.93	8.28	3	Vertical	207	1.50	-	35.79	32.72	9.71	34.15
AV	7.3324G	37.63	54.00	-16.37	13.49	3	Vertical	299	1.13	-	24.14	36.66	11.33	34.50
PK	4.9061G	54.98	74.00	-19.02	8.28	3	Vertical	207	1.50	-	46.70	32.72	9.71	34.15
PK	7.3369G	51.54	74.00	-22.46	13.50	3	Vertical	299	1.13	-	38.04	36.67	11.33	34.50

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9067G	37.94	54.00	-16.06	8.30	3	Horizontal	142	1.49	-	29.64	32.73	9.71	34.14
AV	7.332G	37.76	54.00	-16.24	13.49	3	Horizontal	145	1.50	-	24.27	36.66	11.33	34.50
PK	4.9075G	50.39	74.00	-23.61	8.30	3	Horizontal	142	1.49	-	42.09	32.73	9.71	34.14
PK	7.3314G	51.44	74.00	-22.56	13.49	3	Horizontal	145	1.50	-	37.95	36.66	11.33	34.50

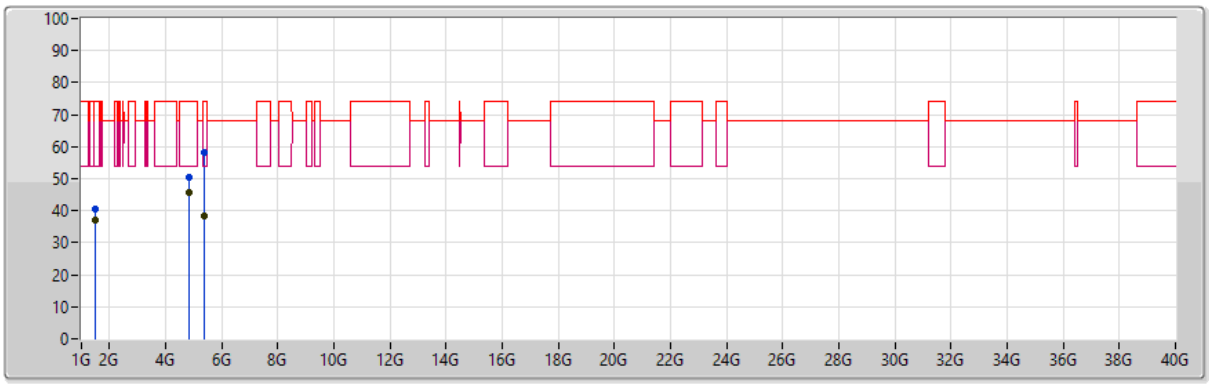
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV/m)	AF (dB/m)
Mode 1	Pass	AV	4.83G	45.81	54.00	-8.19	8.06	3	Vertical	213	1.50	-	37.75	32.56

Result

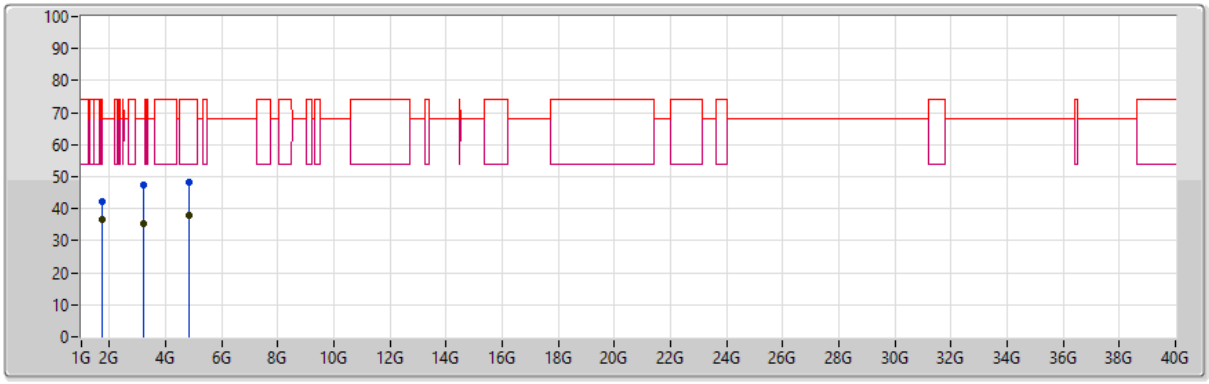
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	1.5G	37.08	54.00	-16.92	3	Vertical	85	2.78	-
Mode 1	Pass	AV	4.83G	45.81	54.00	-8.19	3	Vertical	213	1.50	-
Mode 1	Pass	AV	5.4G	38.16	54.00	-15.84	3	Vertical	17	1.52	-
Mode 1	Pass	PK	1.5G	40.60	74.00	-33.40	3	Vertical	85	2.78	-
Mode 1	Pass	PK	4.83G	50.40	74.00	-23.60	3	Vertical	213	1.50	-
Mode 1	Pass	PK	5.4G	58.00	74.00	-16.00	3	Vertical	17	1.52	-
Mode 1	Pass	AV	1.7188G	36.85	54.00	-17.15	3	Horizontal	232	1.21	-
Mode 1	Pass	AV	3.21G	35.24	68.20	-32.96	3	Horizontal	360	1.28	-
Mode 1	Pass	AV	4.83G	38.09	54.00	-15.91	3	Horizontal	316	1.50	-
Mode 1	Pass	PK	1.7188G	42.42	74.00	-31.58	3	Horizontal	232	1.21	-
Mode 1	Pass	PK	3.21G	47.34	68.20	-20.86	3	Horizontal	360	1.28	-
Mode 1	Pass	PK	4.83G	48.17	74.00	-25.83	3	Horizontal	316	1.50	-

Radiated Emissions above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.5G	37.08	54.00	-16.92	-1.94	3	Vertical	85	2.78	-	39.02	25.50	6.80	34.24
AV	4.83G	45.81	54.00	-8.19	8.06	3	Vertical	213	1.50	-	37.75	32.56	9.68	34.18
AV	5.4G	38.16	54.00	-15.84	8.63	3	Vertical	17	1.52	-	29.53	32.80	10.00	34.17
PK	1.5G	40.60	74.00	-33.40	-1.94	3	Vertical	85	2.78	-	42.54	25.50	6.80	34.24
PK	4.83G	50.40	74.00	-23.60	8.06	3	Vertical	213	1.50	-	42.34	32.56	9.68	34.18
PK	5.4G	58.00	74.00	-16.00	8.63	3	Vertical	17	1.52	-	49.37	32.80	10.00	34.17

Radiated Emissions above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.7188G	36.85	54.00	-17.15	-1.63	3	Horizontal	232	1.21	-	38.48	25.22	7.33	34.18
AV	3.21G	35.24	68.20	-32.96	4.41	3	Horizontal	360	1.28	-	30.83	29.90	8.86	34.35
AV	4.83G	38.09	54.00	-15.91	8.06	3	Horizontal	316	1.50	-	30.03	32.56	9.68	34.18
PK	1.7188G	42.42	74.00	-31.58	-1.63	3	Horizontal	232	1.21	-	44.05	25.22	7.33	34.18
PK	3.21G	47.34	68.20	-20.86	4.41	3	Horizontal	360	1.28	-	42.93	29.90	8.86	34.35
PK	4.83G	48.17	74.00	-25.83	8.06	3	Horizontal	316	1.50	-	40.11	32.56	9.68	34.18