FCC Radio Test Report

FCC ID	:	**RX3-WBU058VZ**
Equipment	:	**IEEE 802.11 a/b/g/n/ac/ax 2x2+Bluetooth v5.2 Wireless Adapter**
Brand Name	:	**Foxconn**
Model Name	:	**WBU058-VZ**
Applicant	:	**Hon Hai Precision Industry Co., Ltd. No.151, Sec. 1, Nankan Rd., Lujhu Dist., Taoyuan City 33859, Taiwan**
Manufacturer	:	**Hon Hai Precision Industry Co., Ltd. No.151, Sec. 1, Nankan Rd., Lujhu Dist., Taoyuan City 33859, Taiwan**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Jan. 10, 2022, and testing was started from Jan. 14, 2022 and completed on Jan. 19, 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.)

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History of this test report

Report No.	Version	Description	Issued Date
FR211002AC	01	Initial issue of report	Feb. 25, 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:
None

Reviewed by: Ben Tseng

Report Producer: Jenny Yang

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), ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), ax (HEW40)	2422-2452	3-9 [7]

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

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- 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
1	Foxconn	-	PCB	N/A
2	Foxconn	-	PCB	N/A
3	Foxconn	-	PCB	N/A
4	Foxconn	-	PCB	N/A

Ant.	Port	Gain (dBi)									
		2.4G	5G				6G				BT
			U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	U-NII-5	U-NII-6	U-NII-7	U-NII-8	
1	1	1.00	2.50	2.68	3.07	2.75	4.35	4.35	4.43	4.02	-
2	2	0.77	0.89	1.68	3.67	3.67	3.37	3.85	5.77	5.78	-
3	2	-	-	-	-	-	-	-	-	-	2.83
4	1	-	-	-	-	-	-	-	-	-	2.97

Note 1: The EUT has four antennas.

For 2.4GHz function:
For IEEE 802.11 b/g/n/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)
Support diversity function and pre-tested on each single chain, the worst case was Ant. 4(port 1) and it was recorded in this test report.
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.

1.1.3 EUT Information

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

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.963	0.16	8.385m	300
802.11g_Nss1,(6Mbps)_2TX	0.786	1.05	1.393m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.723	1.41	1.025m	1k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.46	3.37	311.25u	10k

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	Jack Tang	20.9~21.9°C / 54~57%	19/Jan/2022
RF Conducted	TH06-HY	Yuna Lin	22.4~25.7°C / 52~58%	18/Jan/2022
Radiated	03CH02-HY	Lego Lin	20.3~23.2°C / 56~60%	14/Jan/2022~19/Jan/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**
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 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	QATool_Dbg v0.0.2.39

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	12.5
2417MHz	13
2437MHz	13
2462MHz	13.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	11.5
2417MHz	12
2437MHz	12
2462MHz	12.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	10.5
2437MHz	10.5
2462MHz	11
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	8.5
2437MHz	8.5
2452MHz	9

2.2 The Worst Case Measurement Configuration

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

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
3	Bluetooth+WLAN 6GHz
Refer to Sporton Test Report No.: FA211002 for Co-location RF Exposure Evaluation.	

2.3 Support Equipment

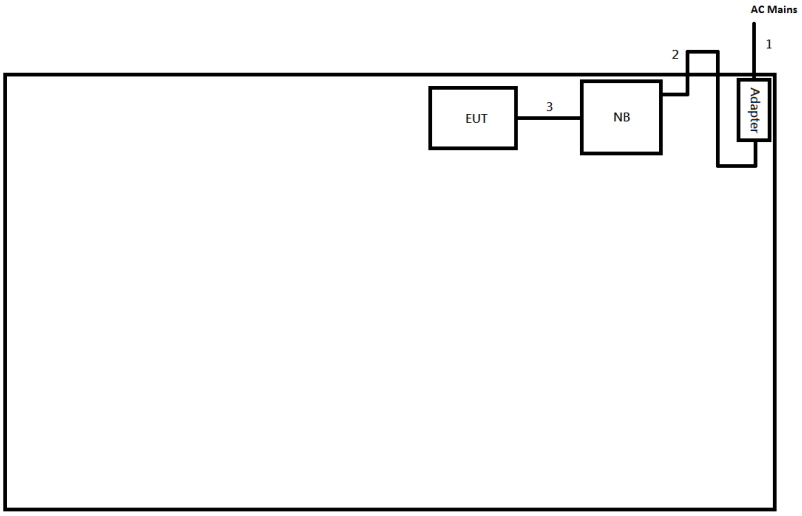
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	HP	5220M	-	-
2	Adapter for NB	HP	PPP012L-E	-	-

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

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	HP	5220M	-	-
2	Adapter for NB	HP	PPP012L-E	-	-

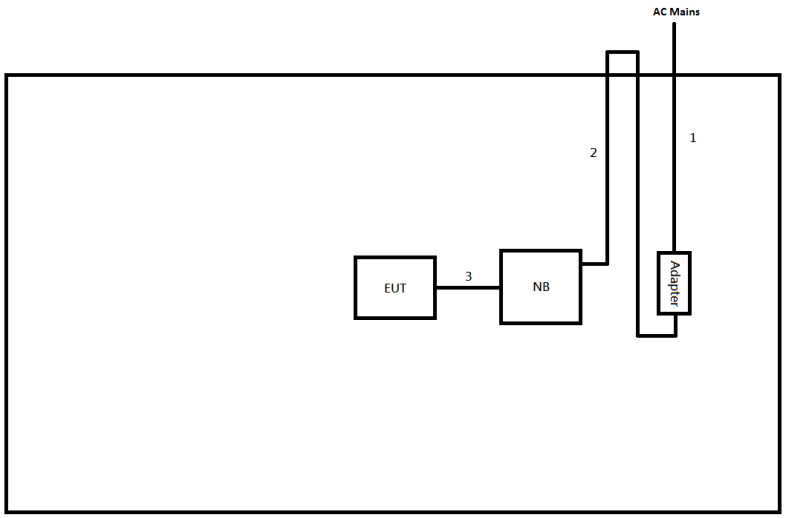
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	Fixture cable	No	0.1	-

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	Fixture cable	No	0.1	-

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

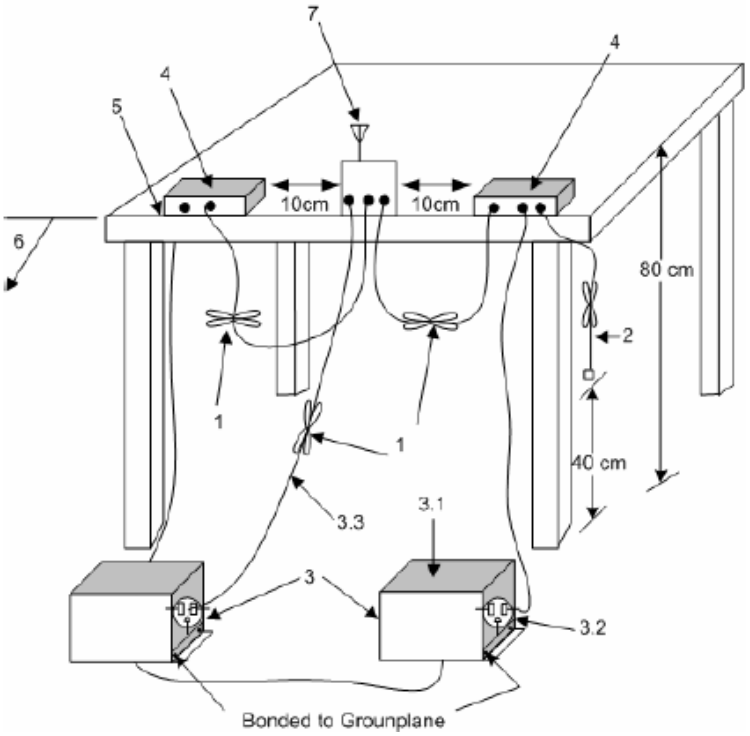
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

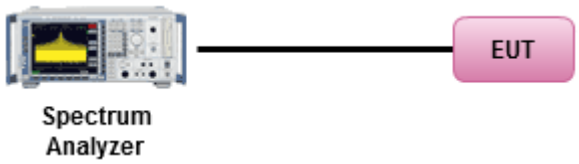
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

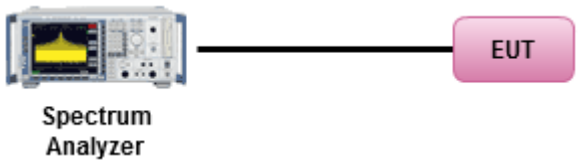
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

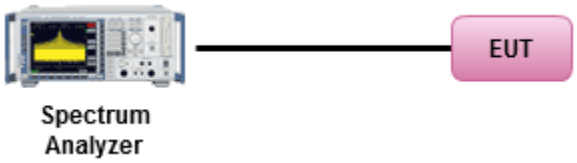
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

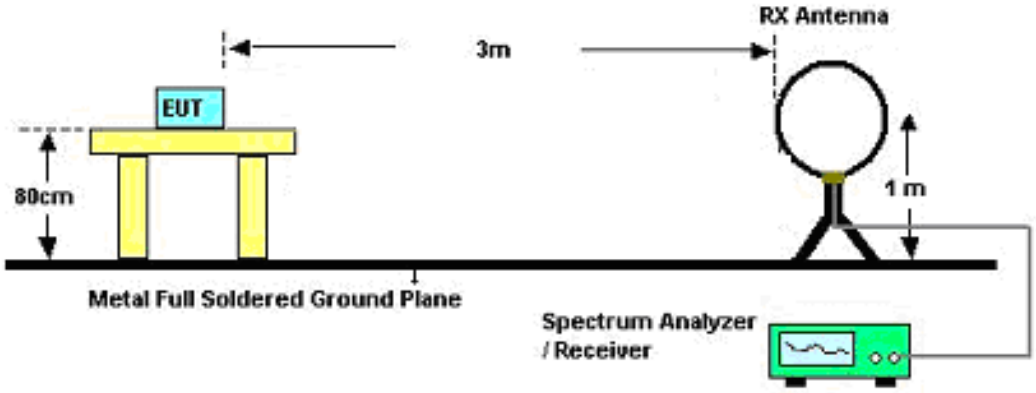
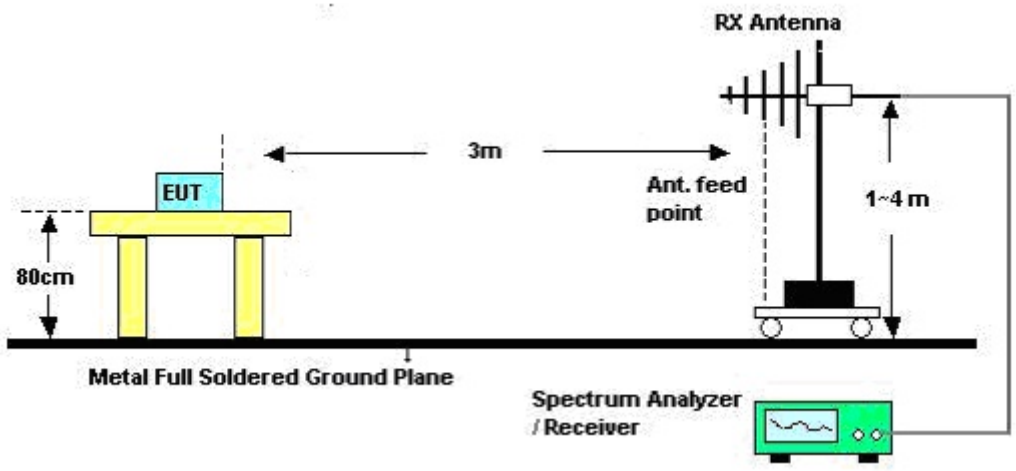
3.6.3 Test Procedures

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

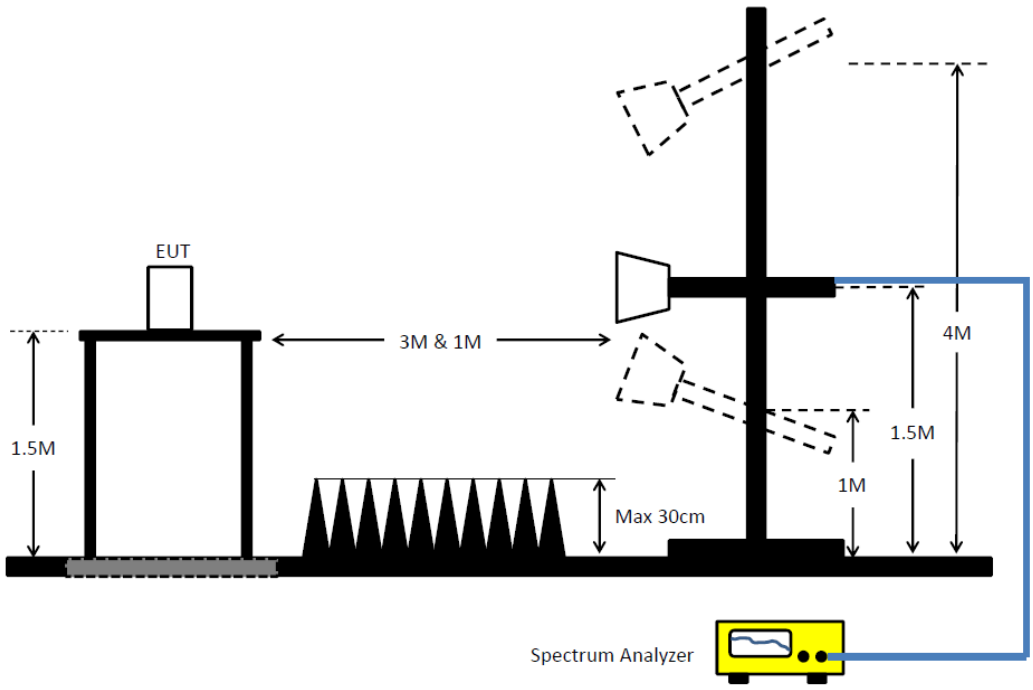
3.6.4 Measurement Results Calculation

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

3.6.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	21/May/2021	20/May/2022
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	12/Jan/2022	11/Jan/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9kHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.7.14	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	20/Oct/2021	19/Oct/2022
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2021	24/Mar/2022
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2021	24/Mar/2022
SENSE-15247_DTS	Sporton	V5.10.7.14	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	02/Aug/2021	01/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	01/Aug/2021	31/Jul/2022
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2021	28/Jun/2022
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	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	04/Jun/2021	03/Jun/2022
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	05/May/2021	04/May/2022
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	05/May/2021	04/May/2022
RF Cable-R03m	HUBER+ SUHNER	SUCOFLEX104	805193/4+805192 /4	1GHz~40GHz	06/Apr/2021	05/Apr/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022
SENSE-15247_DTS	Sporton	V5.10.7.13	N/A	N/A	N/A	N/A

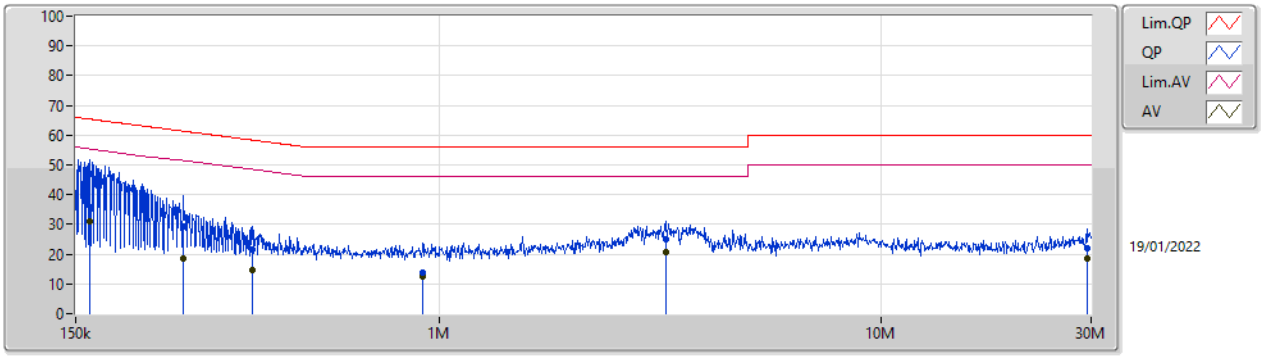
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	154.868k	47.46	65.73	-18.27	Neutral

Mode config

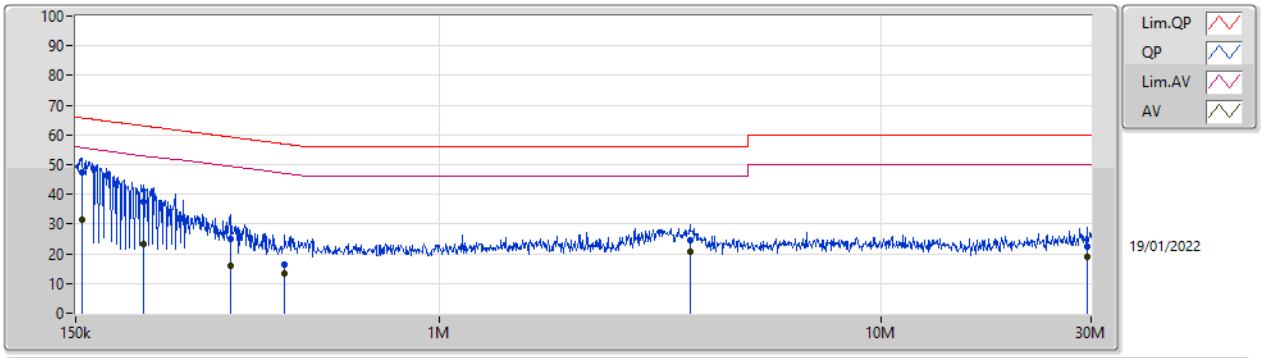
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	161.175k	46.83	65.41	-18.58	Line	-
Mode 1	Pass	AV	161.175k	30.82	55.41	-24.59	Line	-
Mode 1	Pass	QP	262.308k	29.31	61.35	-32.04	Line	-
Mode 1	Pass	AV	262.308k	18.55	51.35	-32.80	Line	-
Mode 1	Pass	QP	377.206k	21.63	58.33	-36.70	Line	-
Mode 1	Pass	AV	377.206k	14.71	48.33	-33.62	Line	-
Mode 1	Pass	QP	918.749k	13.85	56.00	-42.15	Line	-
Mode 1	Pass	AV	918.749k	12.59	46.00	-33.41	Line	-
Mode 1	Pass	QP	3.257M	24.85	56.00	-31.15	Line	-
Mode 1	Pass	AV	3.257M	20.74	46.00	-25.26	Line	-
Mode 1	Pass	QP	29.381M	21.81	60.00	-38.19	Line	-
Mode 1	Pass	AV	29.381M	18.41	50.00	-31.59	Line	-
Mode 1	Pass	QP	154.868k	47.46	65.73	-18.27	Neutral	-
Mode 1	Pass	AV	154.868k	31.27	55.73	-24.46	Neutral	-
Mode 1	Pass	QP	213.137k	37.46	63.07	-25.61	Neutral	-
Mode 1	Pass	AV	213.137k	23.09	53.07	-29.98	Neutral	-
Mode 1	Pass	QP	335.971k	24.83	59.31	-34.48	Neutral	-
Mode 1	Pass	AV	335.971k	15.85	49.31	-33.46	Neutral	-
Mode 1	Pass	QP	446.062k	16.38	56.96	-40.58	Neutral	-
Mode 1	Pass	AV	446.062k	13.39	46.96	-33.57	Neutral	-
Mode 1	Pass	QP	3.701M	24.48	56.00	-31.52	Neutral	-
Mode 1	Pass	AV	3.701M	20.53	46.00	-25.47	Neutral	-
Mode 1	Pass	QP	29.381M	22.24	60.00	-37.76	Neutral	-
Mode 1	Pass	AV	29.381M	18.84	50.00	-31.16	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	161.175k	46.83	65.41	-18.58	19.55	Line	-	27.28	9.60	0.04	9.91
AV	161.175k	30.82	55.41	-24.59	19.55	Line	-	11.27	9.60	0.04	9.91
QP	262.308k	29.31	61.35	-32.04	19.57	Line	-	9.74	9.61	0.05	9.91
AV	262.308k	18.55	51.35	-32.80	19.57	Line	-	-1.02	9.61	0.05	9.91
QP	377.206k	21.63	58.33	-36.70	19.57	Line	-	2.06	9.60	0.06	9.91
AV	377.206k	14.71	48.33	-33.62	19.57	Line	-	-4.86	9.60	0.06	9.91
QP	918.749k	13.85	56.00	-42.15	19.61	Line	-	-5.76	9.61	0.08	9.92
AV	918.749k	12.59	46.00	-33.41	19.61	Line	-	-7.02	9.61	0.08	9.92
QP	3.257M	24.85	56.00	-31.15	19.68	Line	-	5.17	9.63	0.13	9.92
AV	3.257M	20.74	46.00	-25.26	19.68	Line	-	1.06	9.63	0.13	9.92
QP	29.381M	21.81	60.00	-38.19	19.74	Line	-	2.07	9.46	0.34	9.94
AV	29.381M	18.41	50.00	-31.59	19.74	Line	-	-1.33	9.46	0.34	9.94

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	154.868k	47.46	65.73	-18.27	19.54	Neutral	-	27.92	9.59	0.04	9.91
AV	154.868k	31.27	55.73	-24.46	19.54	Neutral	-	11.73	9.59	0.04	9.91
QP	213.137k	37.46	63.07	-25.61	19.54	Neutral	-	17.92	9.59	0.04	9.91
AV	213.137k	23.09	53.07	-29.98	19.54	Neutral	-	3.55	9.59	0.04	9.91
QP	335.971k	24.83	59.31	-34.48	19.54	Neutral	-	5.29	9.58	0.05	9.91
AV	335.971k	15.85	49.31	-33.46	19.54	Neutral	-	-3.69	9.58	0.05	9.91
QP	446.062k	16.38	56.96	-40.58	19.55	Neutral	-	-3.17	9.58	0.06	9.91
AV	446.062k	13.39	46.96	-33.57	19.55	Neutral	-	-6.16	9.58	0.06	9.91
QP	3.701M	24.48	56.00	-31.52	19.67	Neutral	-	4.81	9.61	0.14	9.92
AV	3.701M	20.53	46.00	-25.47	19.67	Neutral	-	0.86	9.61	0.14	9.92
QP	29.381M	22.24	60.00	-37.76	19.92	Neutral	-	2.32	9.64	0.34	9.94
AV	29.381M	18.84	50.00	-31.16	19.92	Neutral	-	-1.08	9.64	0.34	9.94

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	8.05M	12.569M	12M6G1D	7.075M	12.244M
802.11g_Nss1,(6Mbps)_2TX	16.25M	16.817M	16M8D1D	15.05M	16.392M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.35M	18.916M	18M9D1D	16.95M	18.816M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.55M	37.881M	37M9D1D	35.5M	37.731M

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

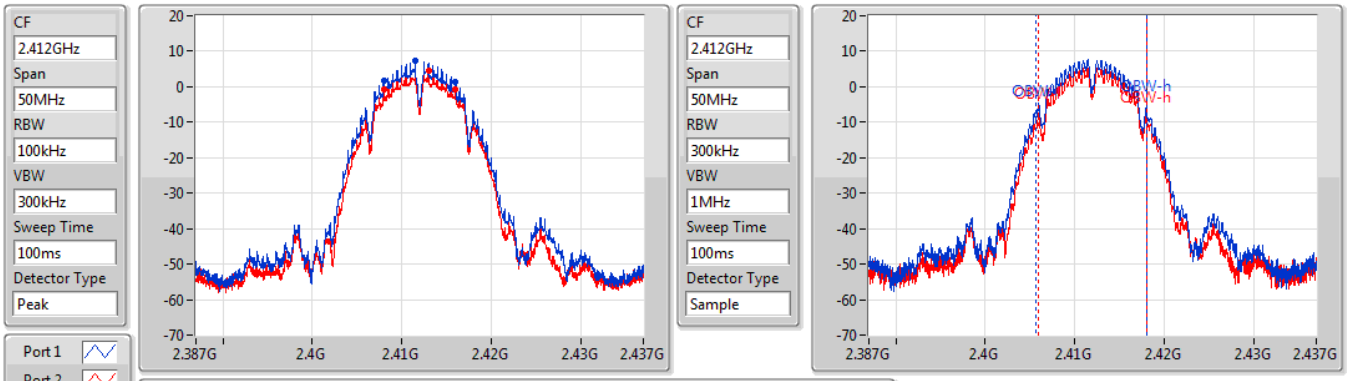
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.05M	12.344M	8.025M	12.244M
2437MHz	Pass	500k	8.05M	12.569M	7.075M	12.344M
2462MHz	Pass	500k	7.075M	12.544M	7.075M	12.294M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.05M	16.392M	15.075M	16.417M
2437MHz	Pass	500k	15.8M	16.742M	16.25M	16.817M
2462MHz	Pass	500k	15.775M	16.742M	16.25M	16.717M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.95M	18.841M	17.7M	18.816M
2437MHz	Pass	500k	18.05M	18.866M	18.35M	18.916M
2462MHz	Pass	500k	17.45M	18.891M	17.925M	18.916M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.45M	37.781M	35.5M	37.881M
2437MHz	Pass	500k	36.3M	37.781M	35.95M	37.831M
2452MHz	Pass	500k	37.55M	37.731M	36.1M	37.731M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

18/01/2022

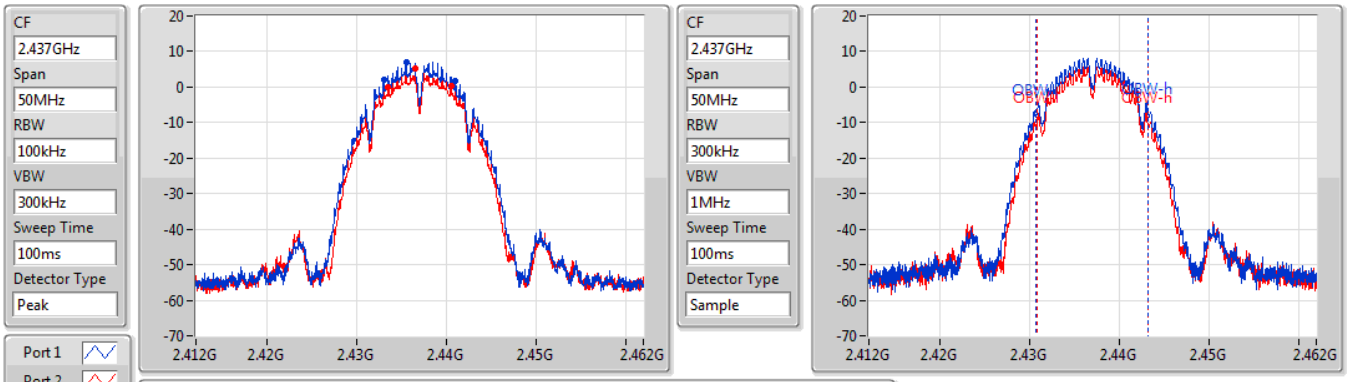


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.407975G	2.416025G	12.344M	2.405728G	2.418072G	500k	1
8.025M	2.407975G	2.416G	12.244M	2.405878G	2.418122G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

18/01/2022

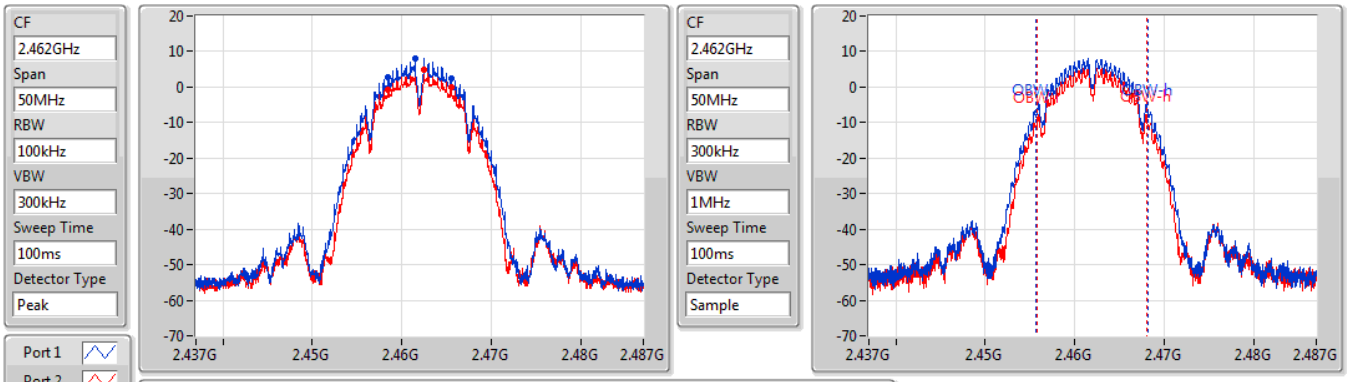


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.432975G	2.441025G	12.569M	2.430678G	2.443247G	500k	1
7.075M	2.43345G	2.440525G	12.344M	2.430803G	2.443147G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

18/01/2022

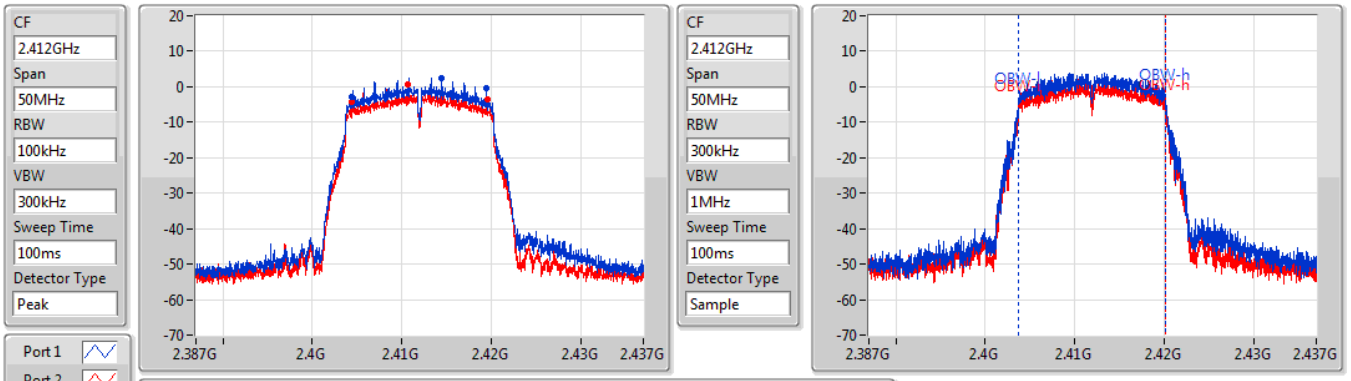


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.45845G	2.465525G	12.544M	2.455678G	2.468222G	500k	1
7.075M	2.45845G	2.465525G	12.294M	2.455828G	2.468122G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

18/01/2022

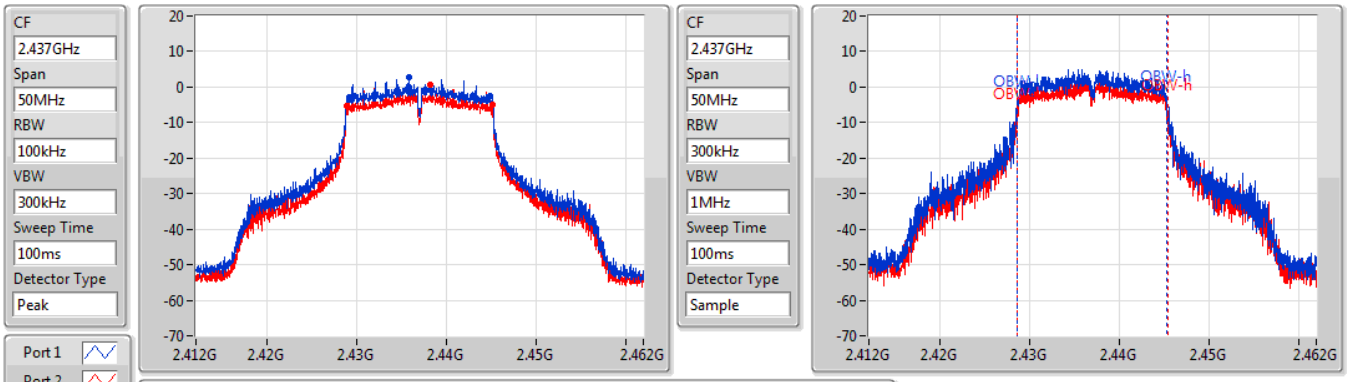


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.40445G	2.4195G	16.392M	2.403779G	2.420171G	500k	1
15.075M	2.40445G	2.419525G	16.417M	2.403754G	2.420171G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

18/01/2022

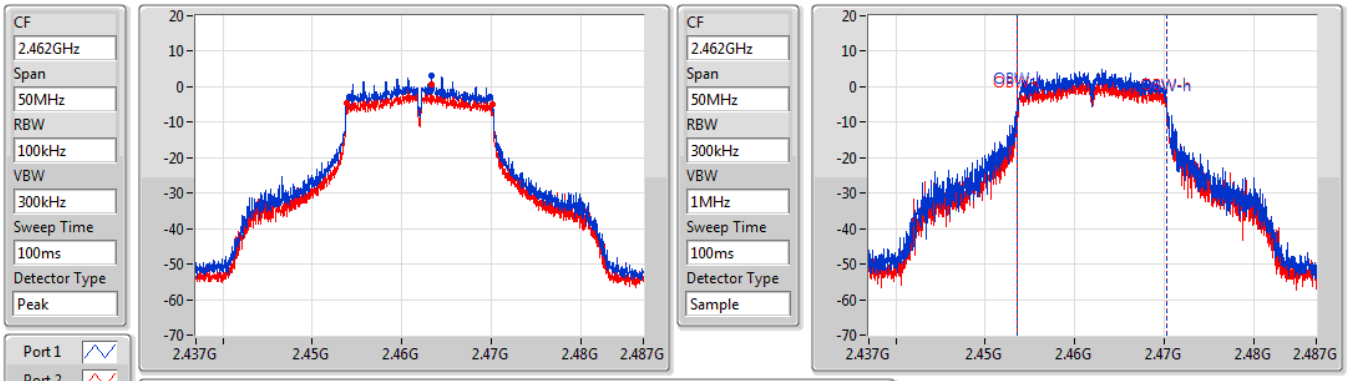


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.8M	2.429075G	2.444875G	16.742M	2.428554G	2.445296G	500k	1
16.25M	2.42885G	2.4451G	16.817M	2.428579G	2.445396G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

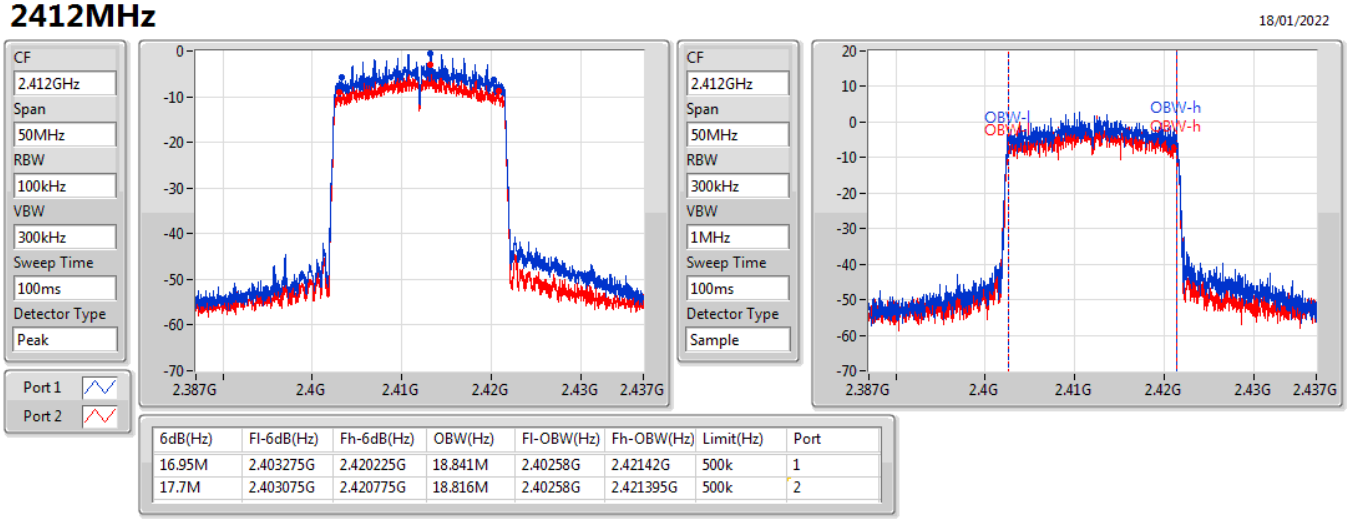
18/01/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.775M	2.4541G	2.469875G	16.742M	2.453554G	2.470296G	500k	1
16.25M	2.45385G	2.4701G	16.717M	2.453604G	2.470321G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

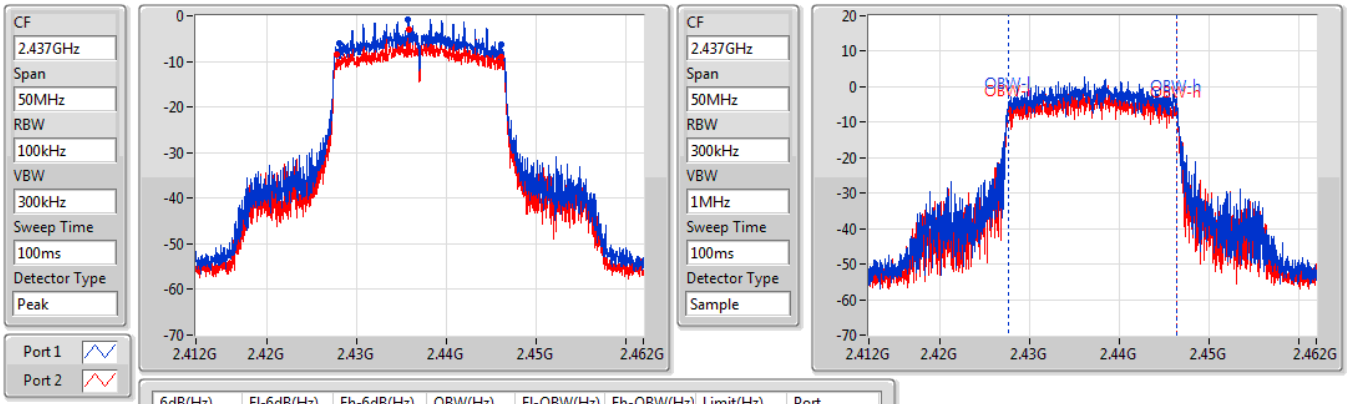
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.95M	2.403275G	2.420225G	18.841M	2.40258G	2.42142G	500k	1
17.7M	2.403075G	2.420775G	18.816M	2.40258G	2.421395G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2437MHz



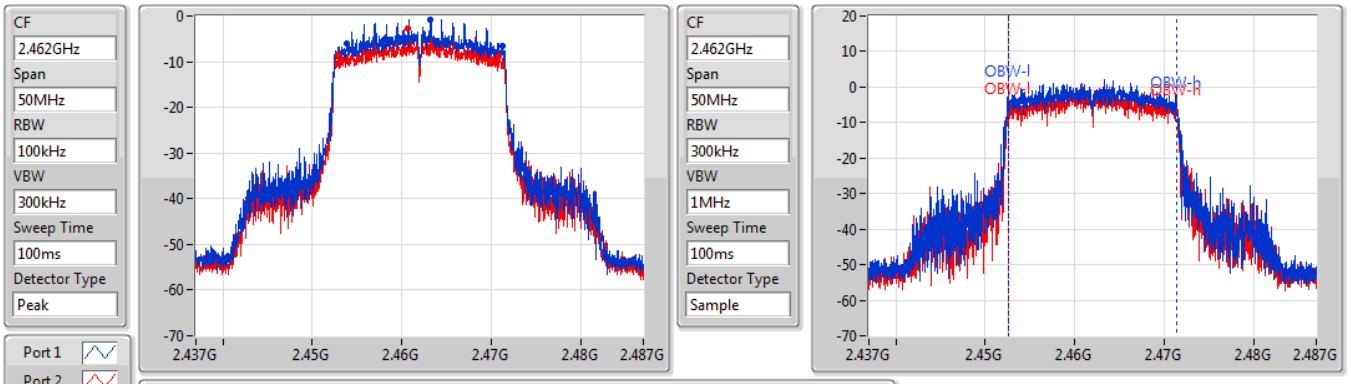
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.05M	2.42805G	2.4461G	18.866M	2.427555G	2.44642G	500k	1
18.35M	2.427725G	2.446075G	18.916M	2.42753G	2.446445G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

18/01/2022



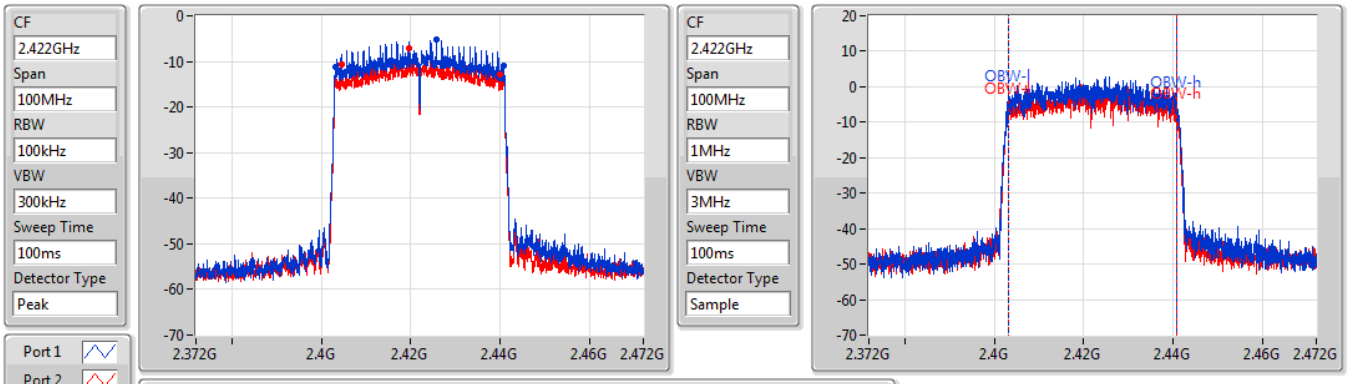
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.45M	2.453875G	2.471325G	18.891M	2.45253G	2.47142G	500k	1
17.925M	2.452925G	2.47085G	18.916M	2.45253G	2.471445G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2422MHz

18/01/2022



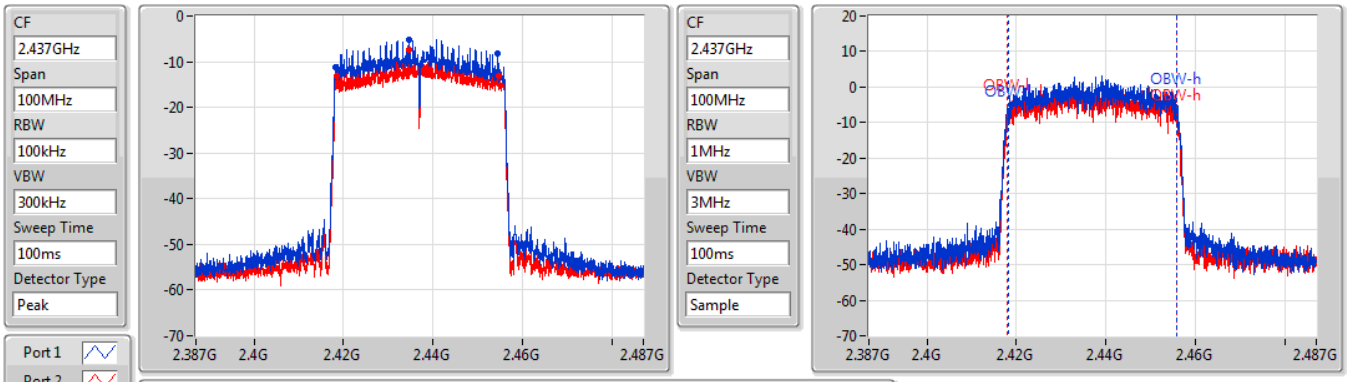
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.40325G	2.4407G	37.781M	2.403059G	2.440841G	500k	1
35.5M	2.4045G	2.44G	37.881M	2.403059G	2.440941G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

18/01/2022



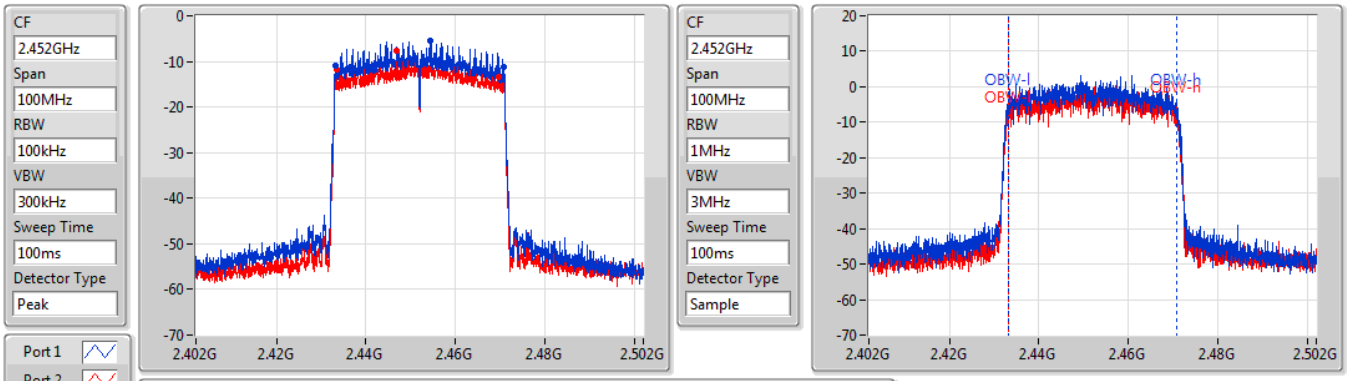
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.4182G	2.4545G	37.781M	2.418059G	2.455841G	500k	1
35.95M	2.4186G	2.45455G	37.831M	2.418009G	2.455841G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

18/01/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4332G	2.47075G	37.731M	2.433059G	2.470791G	500k	1
36.1M	2.4335G	2.4696G	37.731M	2.433109G	2.470841G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	17.96	0.06252
802.11g_Nss1,(6Mbps)_2TX	15.99	0.03972
802.11ax HEW20_Nss1,(MCS0)_2TX	12.68	0.01854
802.11ax HEW40_Nss1,(MCS0)_2TX	10.84	0.01213

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.00	15.59	13.22	17.58	30.00
2417MHz	Pass	1.00	16.06	13.46	17.96	30.00
2437MHz	Pass	1.00	15.78	13.24	17.70	30.00
2462MHz	Pass	1.00	15.73	13.18	17.65	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.00	13.59	11.48	15.67	30.00
2417MHz	Pass	1.00	13.72	11.99	15.95	30.00
2437MHz	Pass	1.00	13.96	11.72	15.99	30.00
2462MHz	Pass	1.00	13.88	11.65	15.92	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.00	10.54	8.32	12.58	30.00
2437MHz	Pass	1.00	10.62	8.00	12.51	30.00
2462MHz	Pass	1.00	10.64	8.43	12.68	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.00	8.82	6.55	10.84	30.00
2437MHz	Pass	1.00	8.69	6.17	10.62	30.00
2452MHz	Pass	1.00	8.68	6.38	10.69	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-5.62
802.11g_Nss1,(6Mbps)_2TX	-9.79
802.11ax HEW20_Nss1,(MCS0)_2TX	-13.68
802.11ax HEW40_Nss1,(MCS0)_2TX	-19.49

RBW = 3kHz;

Result

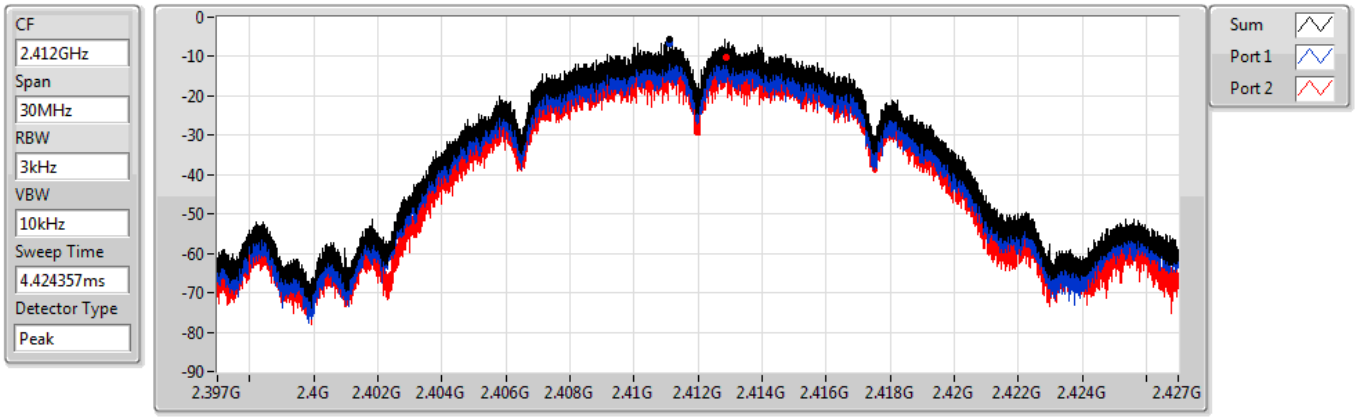
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.90	-6.59	-10.06	-5.66	8.00
2437MHz	Pass	3.90	-6.17	-9.85	-5.62	8.00
2462MHz	Pass	3.90	-7.41	-10.22	-6.38	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.90	-11.83	-13.70	-11.00	8.00
2437MHz	Pass	3.90	-10.90	-14.22	-10.51	8.00
2462MHz	Pass	3.90	-10.45	-14.22	-9.79	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.90	-15.41	-17.12	-13.68	8.00
2437MHz	Pass	3.90	-16.69	-18.77	-16.11	8.00
2462MHz	Pass	3.90	-16.32	-18.56	-15.10	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.90	-20.00	-23.57	-19.49	8.00
2437MHz	Pass	3.90	-20.52	-23.20	-19.86	8.00
2452MHz	Pass	3.90	-20.33	-22.52	-20.04	8.00

DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_2TX PSD

2412MHz

18/01/2022

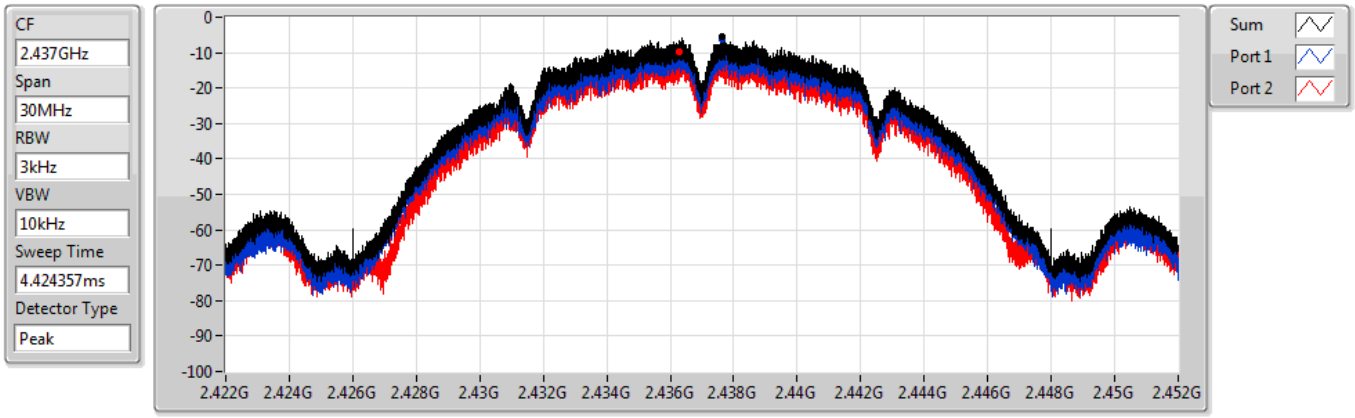


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.66	-5.66	-6.59	-10.06

802.11b_Nss1,(1Mbps)_2TX PSD

2437MHz

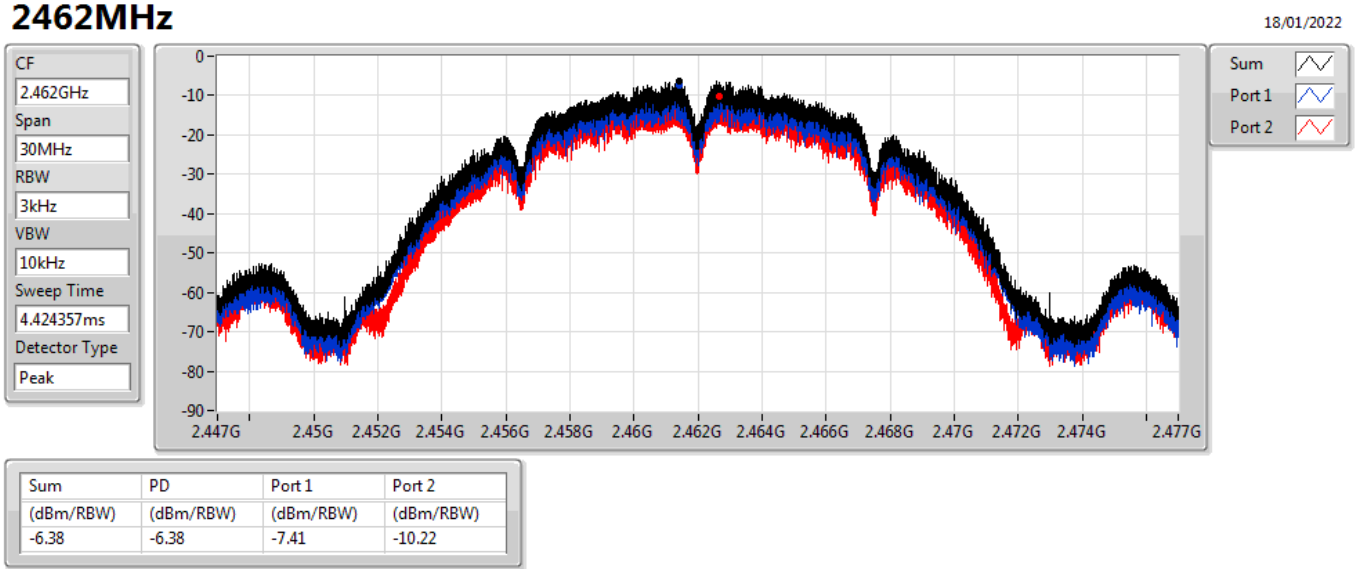
18/01/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.62	-5.62	-6.17	-9.85

802.11b_Nss1,(1Mbps)_2TX PSD

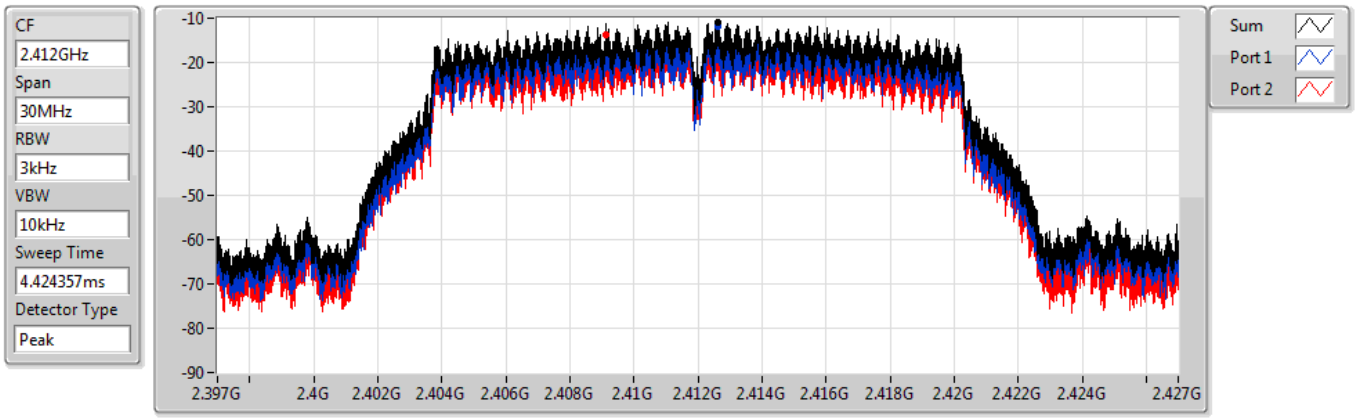
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.38	-6.38	-7.41	-10.22

802.11g_Nss1,(6Mbps)_2TX PSD

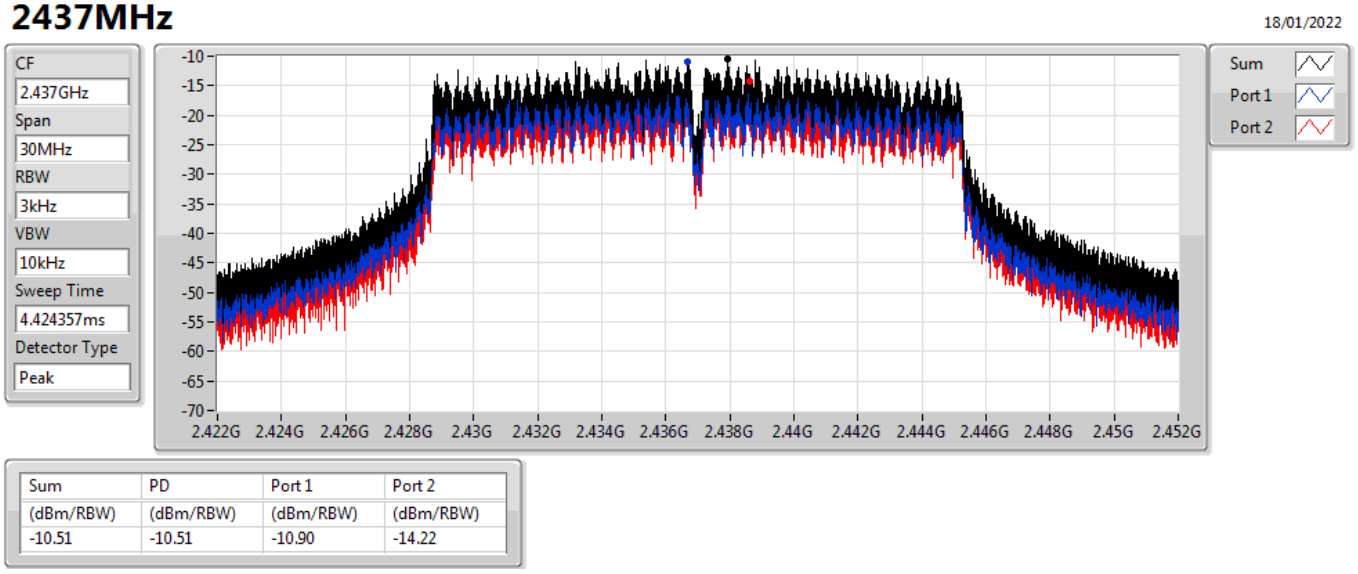
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.00	-11.00	-11.83	-13.70

802.11g_Nss1,(6Mbps)_2TX PSD

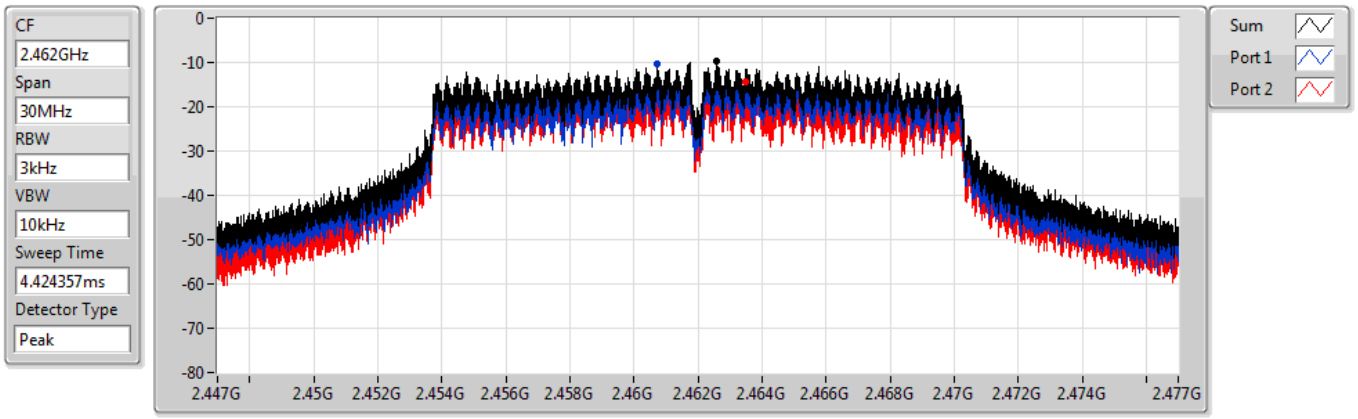
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.51	-10.51	-10.90	-14.22

802.11g_Nss1,(6Mbps)_2TX PSD

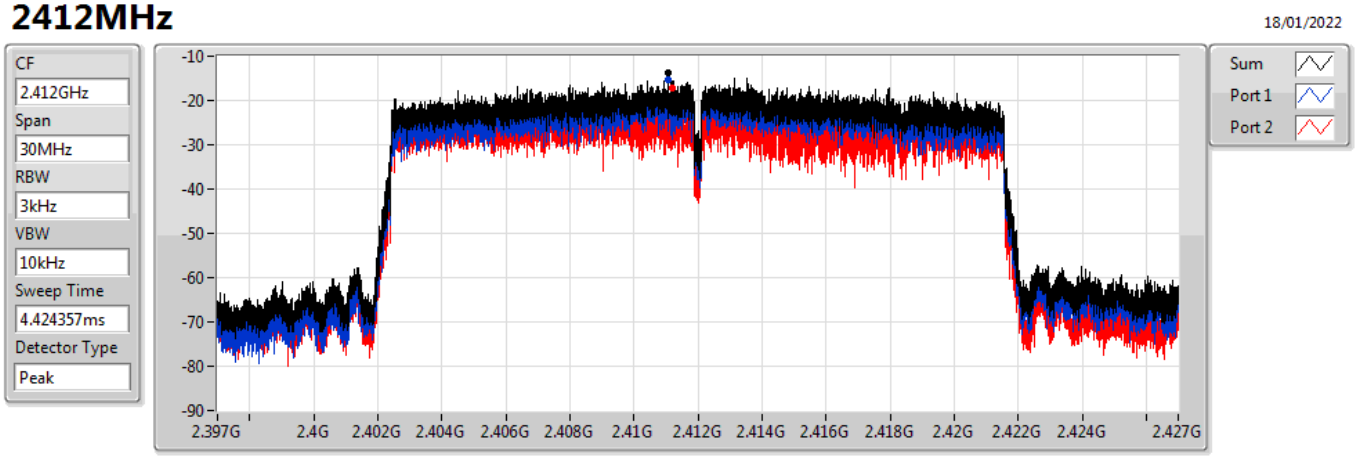
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.79	-9.79	-10.45	-14.22

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

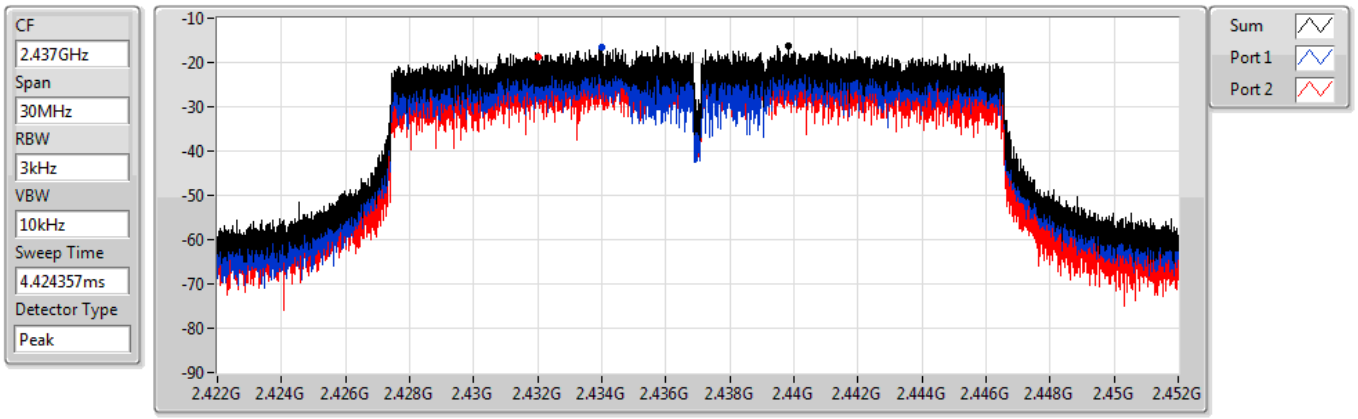
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.68	-13.68	-15.41	-17.12

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

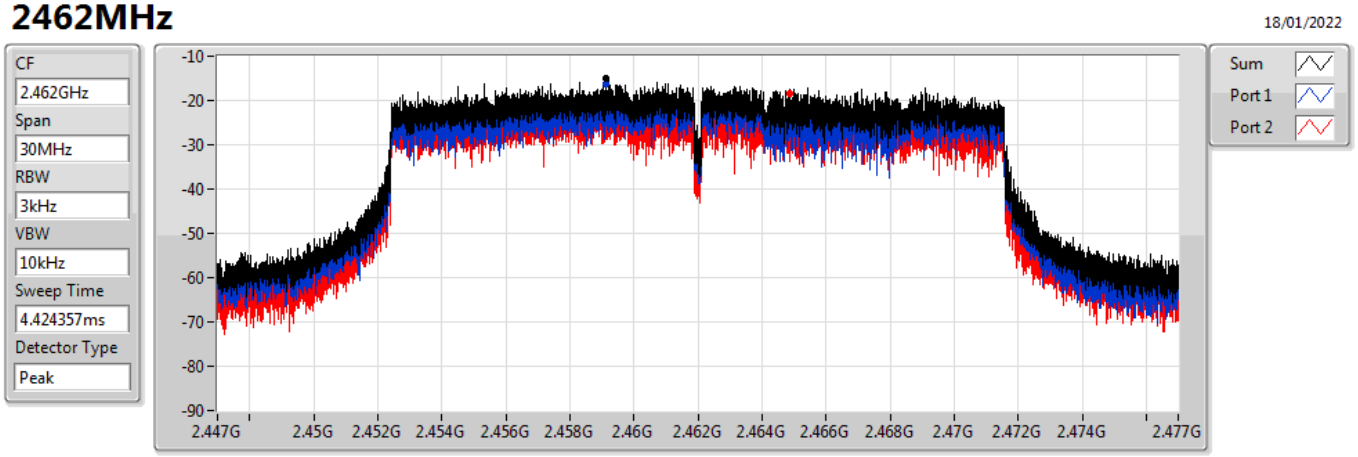
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.11	-16.11	-16.69	-18.77

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

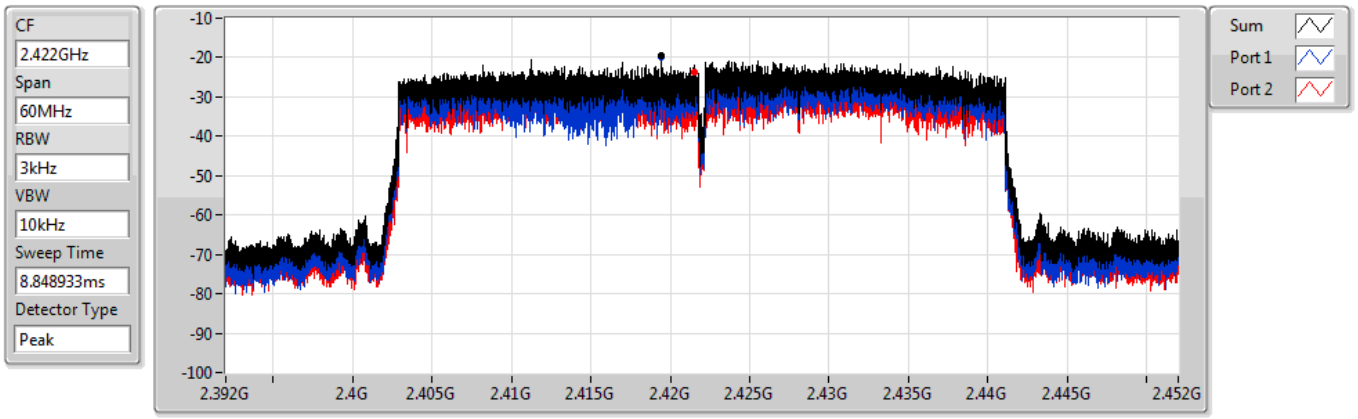
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.10	-15.10	-16.32	-18.56

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

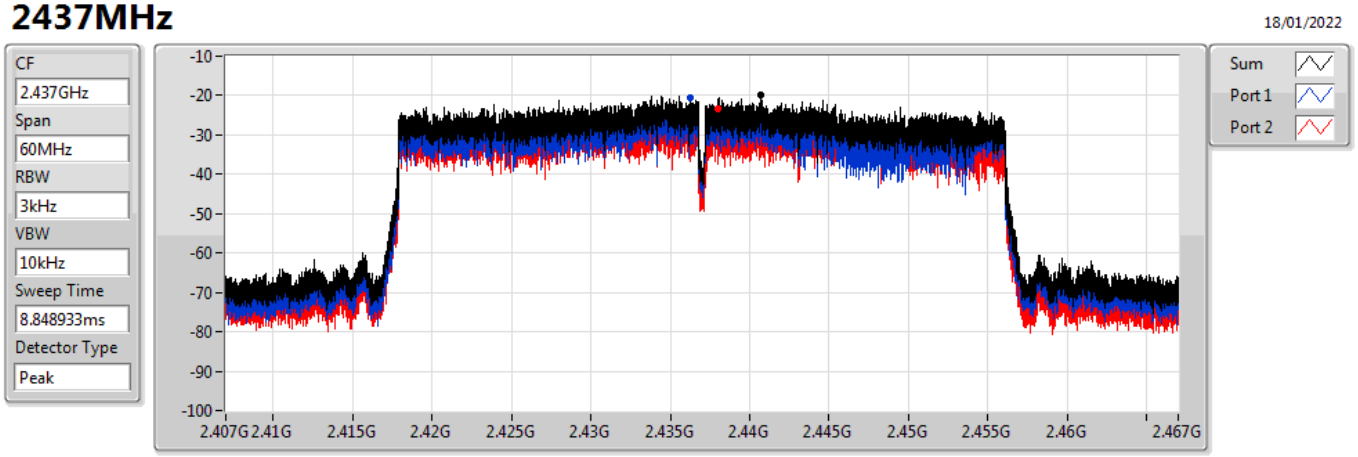
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.49	-19.49	-20.00	-23.57

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

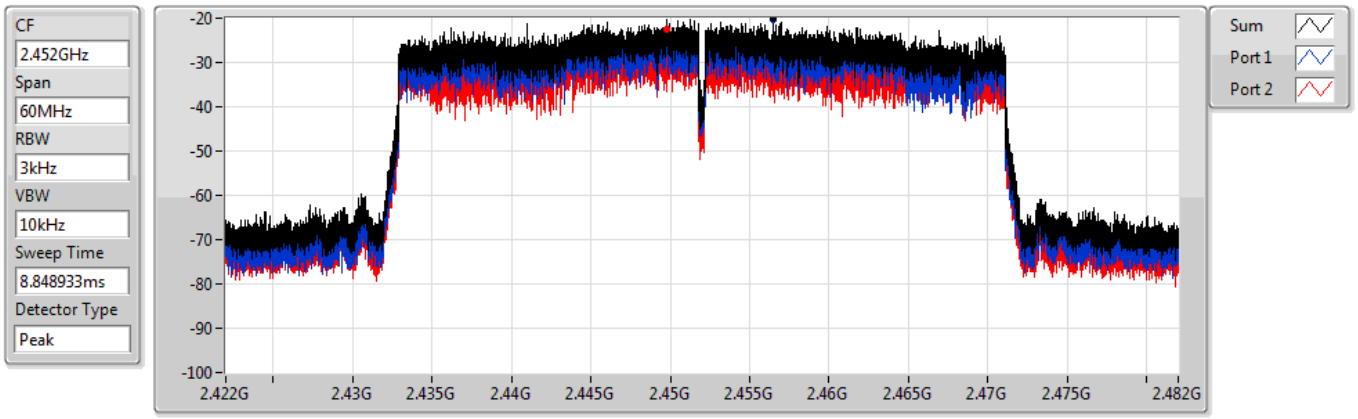
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.86	-19.86	-20.52	-23.20

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-20.04	-20.04	-20.33	-22.52

Summary

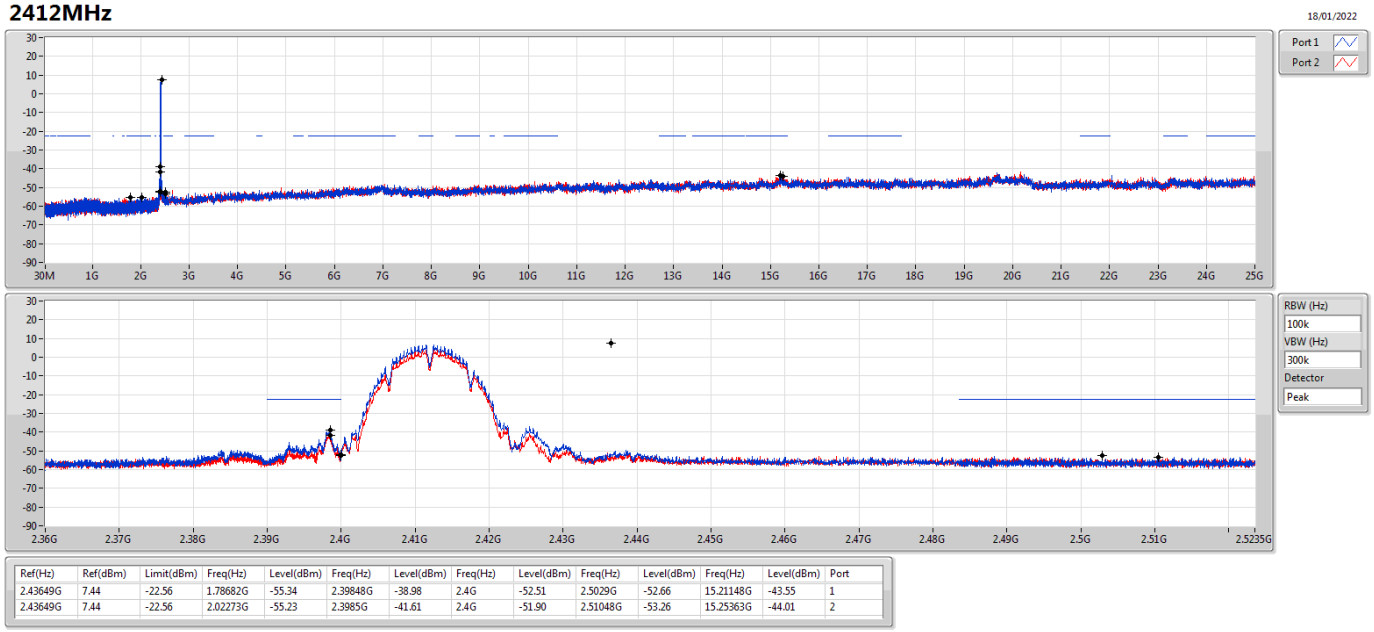
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43649G	7.44	-22.56	1.78682G	-55.34	2.39848G	-38.98	2.4G	-52.51	2.5029G	-52.66	15.21148G	-43.55	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	3.40	-26.60	2.30874G	-54.31	2.39982G	-43.50	2.4G	-44.92	2.516G	-50.93	24.74995G	-43.84	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.4645G	-0.87	-30.87	586M	-55.20	2.39702G	-45.09	2.4G	-49.27	2.52088G	-52.34	24.95224G	-44.25	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4195G	-4.95	-34.95	881.31M	-55.31	2.39952G	-45.40	2.4G	-53.64	2.52762G	-53.22	15.25975G	-43.70	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	2.43649G	7.44	-22.56	1.78682G	-55.34	2.39848G	-38.98	2.4G	-52.51	2.5029G	-52.66	15.21148G	-43.55	1
2412MHz	Pass	2.43649G	7.44	-22.56	2.02273G	-55.23	2.3985G	-41.61	2.4G	-51.90	2.51048G	-53.26	15.25363G	-44.01	2
2437MHz	Pass	2.43649G	7.44	-22.56	915.98M	-55.65	2.39696G	-52.32	2.4G	-55.49	2.48394G	-52.67	15.22834G	-43.78	1
2437MHz	Pass	2.43649G	7.44	-22.56	2.10021G	-55.48	2.39998G	-52.96	2.4G	-56.91	2.49662G	-53.39	24.73028G	-44.17	2
2462MHz	Pass	2.43649G	7.44	-22.56	2.12962G	-55.37	2.39694G	-52.98	2.4835G	-54.35	2.49836G	-52.19	23.35641G	-43.30	1
2462MHz	Pass	2.43649G	7.44	-22.56	2.30146G	-53.13	2.39436G	-53.17	2.4835G	-54.76	2.50928G	-52.45	24.78085G	-42.87	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	3.40	-26.60	2.30874G	-54.31	2.39982G	-43.50	2.4G	-44.92	2.516G	-50.93	24.74995G	-43.84	1
2412MHz	Pass	2.43574G	3.40	-26.60	2.30903G	-55.20	2.39988G	-45.26	2.4G	-47.48	2.4844G	-51.41	24.89043G	-44.33	2
2437MHz	Pass	2.43574G	3.40	-26.60	2.30525G	-52.97	2.39188G	-49.10	2.4G	-51.26	2.4879G	-51.27	24.77524G	-43.00	1
2437MHz	Pass	2.43574G	3.40	-26.60	2.30495G	-53.55	2.39326G	-51.06	2.4G	-52.85	2.4985G	-51.98	15.26487G	-43.23	2
2462MHz	Pass	2.43574G	3.40	-26.60	2.30845G	-53.08	2.39898G	-48.23	2.4G	-49.42	2.48354G	-48.09	23.26369G	-43.82	1
2462MHz	Pass	2.43574G	3.40	-26.60	2.30437G	-52.82	2.39944G	-52.16	2.4835G	-53.60	2.49222G	-51.95	23.31707G	-43.57	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4645G	-0.87	-30.87	586M	-55.20	2.39702G	-45.09	2.4G	-49.27	2.52088G	-52.34	24.95224G	-44.25	1
2412MHz	Pass	2.4645G	-0.87	-30.87	2.30583G	-55.58	2.39698G	-48.58	2.4G	-51.23	2.52004G	-53.14	24.68533G	-43.46	2
2437MHz	Pass	2.4645G	-0.81	-30.81	859.77M	-55.50	2.39648G	-52.09	2.4G	-53.87	2.49154G	-52.55	24.81738G	-43.81	1
2437MHz	Pass	2.4645G	-0.81	-30.81	2.19632G	-55.79	2.39622G	-53.29	2.4G	-56.12	2.49688G	-52.48	24.7359G	-42.41	2
2462MHz	Pass	2.4645G	-0.81	-30.81	2.30233G	-54.38	2.39916G	-50.38	2.4G	-53.29	2.49044G	-51.55	15.29015G	-43.90	1
2462MHz	Pass	2.4645G	-0.81	-30.81	2.30408G	-53.50	2.39852G	-50.89	2.4835G	-53.97	2.51406G	-51.53	24.79771G	-43.75	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4195G	-4.95	-34.95	881.31M	-55.31	2.39952G	-45.40	2.4G	-53.64	2.52762G	-53.22	15.25975G	-43.70	1
2422MHz	Pass	2.4195G	-4.95	-34.95	2.12363G	-55.22	2.39948G	-48.28	2.4G	-55.48	2.51602G	-53.49	24.75881G	-43.87	2
2437MHz	Pass	2.4195G	-4.95	-34.95	2.30826G	-54.01	2.39684G	-51.80	2.4G	-52.62	2.53426G	-53.12	15.20927G	-44.51	1
2437MHz	Pass	2.4195G	-4.95	-34.95	634.56M	-55.17	2.39896G	-52.27	2.4835G	-55.80	2.48594G	-52.70	15.2233G	-43.99	2
2452MHz	Pass	2.4195G	-4.95	-34.95	745.91M	-55.16	2.39352G	-52.65	2.4835G	-53.79	2.4845G	-48.52	15.2261G	-44.05	1
2452MHz	Pass	2.4195G	-4.95	-34.95	2.13365G	-54.58	2.39732G	-53.40	2.4835G	-54.66	2.48446G	-52.45	15.21208G	-43.03	2

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

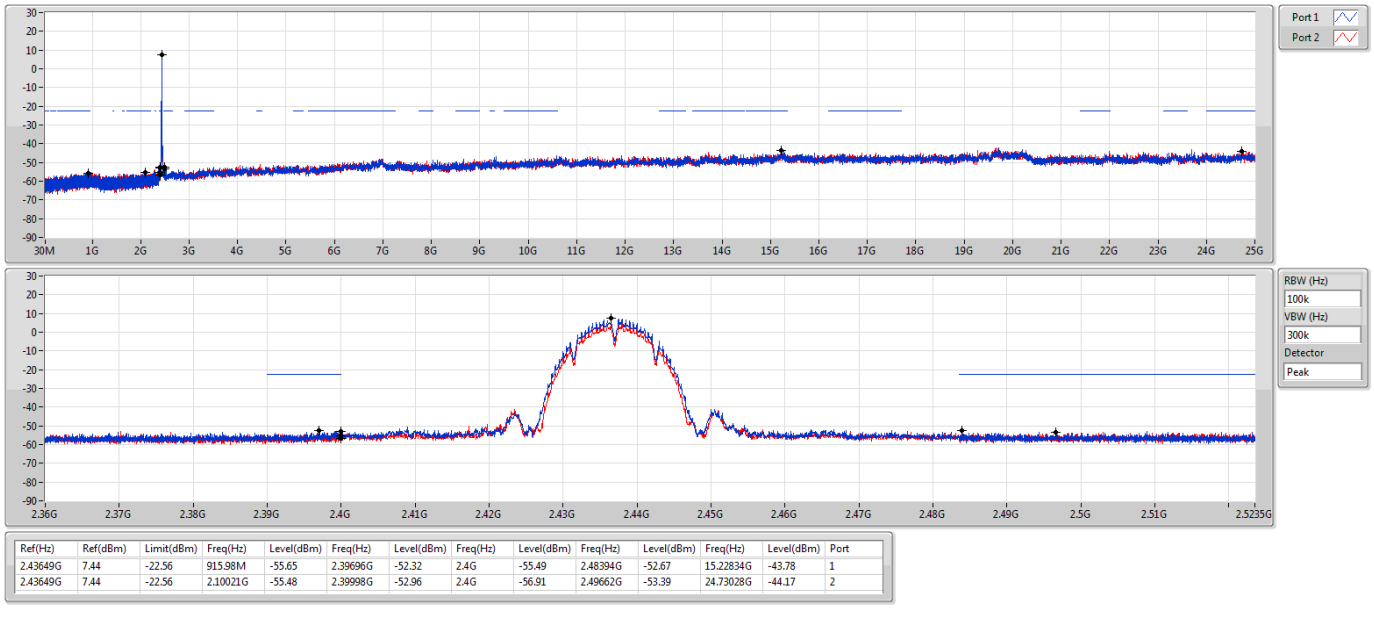
2412MHz



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
2.43649G	7.44	-22.56	1.78682G	-55.34	2.39848G	-38.98	2.4G	-52.51	2.5029G	-52.66	15.21148G	-43.55	1
2.43649G	7.44	-22.56	2.02273G	-55.23	2.3985G	-41.61	2.4G	-51.90	2.51048G	-53.26	15.25363G	-44.01	2

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

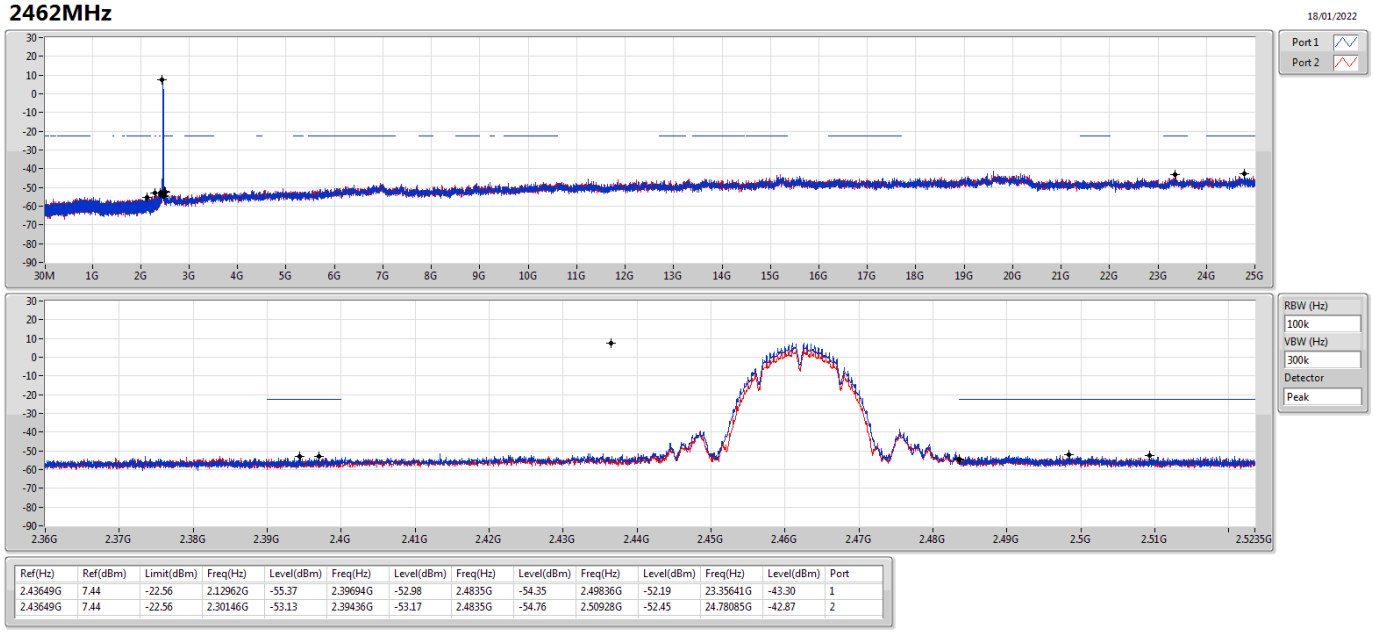
2437MHz



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
2.43649G	7.44	-22.56	915.98M	-55.65	2.39696G	-52.32	2.4G	-55.49	2.48394G	-52.67	15.22834G	-43.78	1
2.43649G	7.44	-22.56	2.10021G	-55.48	2.39998G	-52.96	2.4G	-56.91	2.49662G	-53.39	24.73028G	-44.17	2

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

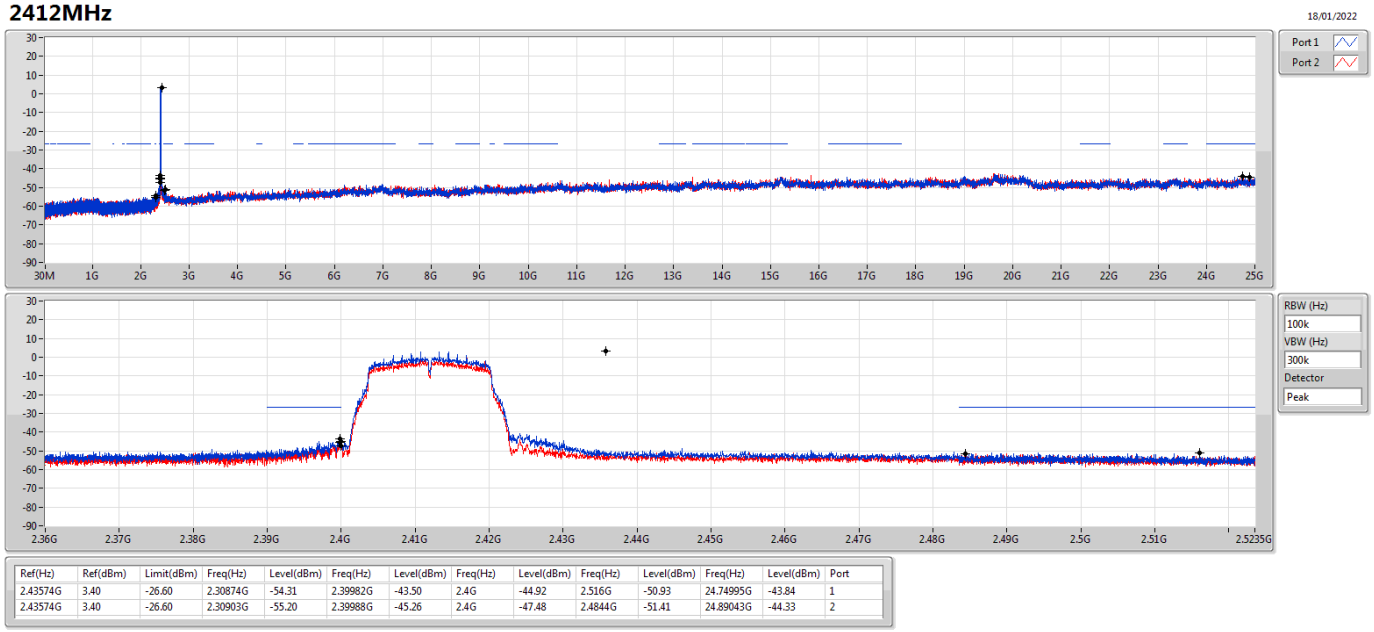
2462MHz



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
2.43649G	7.44	-22.56	2.12962G	-55.37	2.39694G	-52.98	2.4835G	-54.35	2.49836G	-52.19	23.35641G	-43.30	1
2.43649G	7.44	-22.56	2.30146G	-53.13	2.39436G	-53.17	2.4835G	-54.76	2.50928G	-52.45	24.78085G	-42.87	2

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

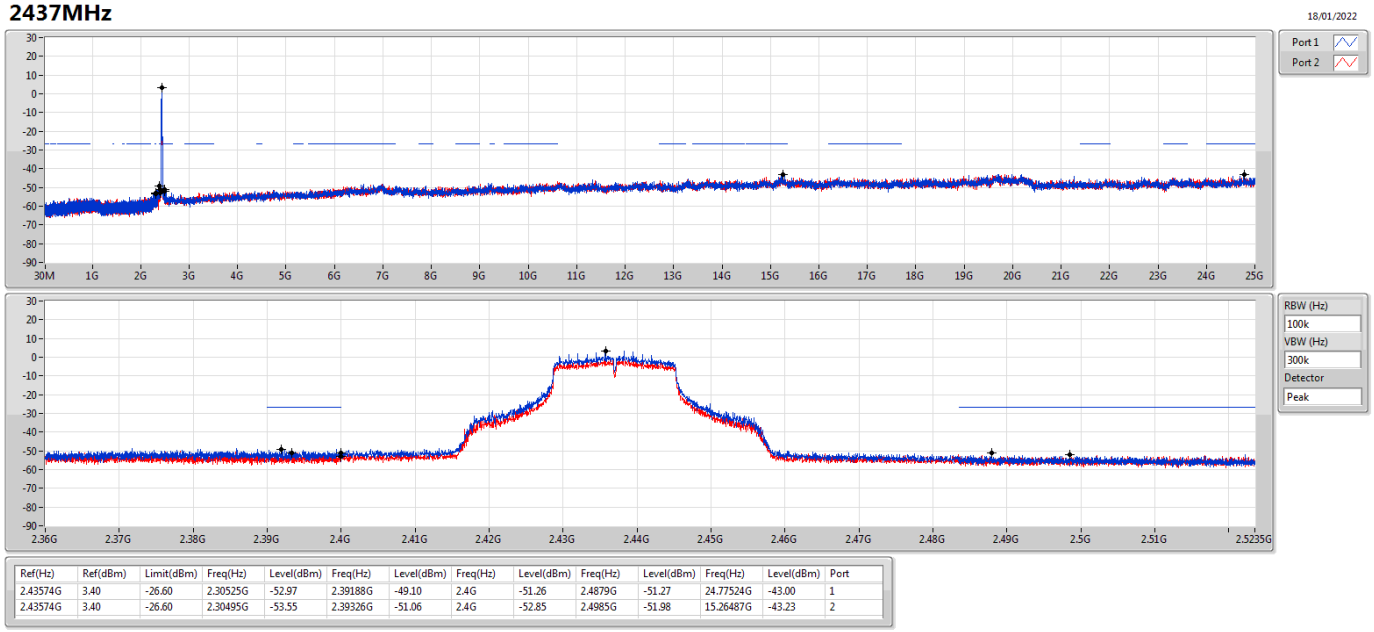
2412MHz



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	3.40	-26.60	2.30874G	-54.31	2.39982G	-43.50	2.4G	-44.92	2.516G	-50.93	24.74995G	-43.84	1
2.43574G	3.40	-26.60	2.30903G	-55.20	2.39988G	-45.26	2.4G	-47.48	2.4844G	-51.41	24.89043G	-44.33	2

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

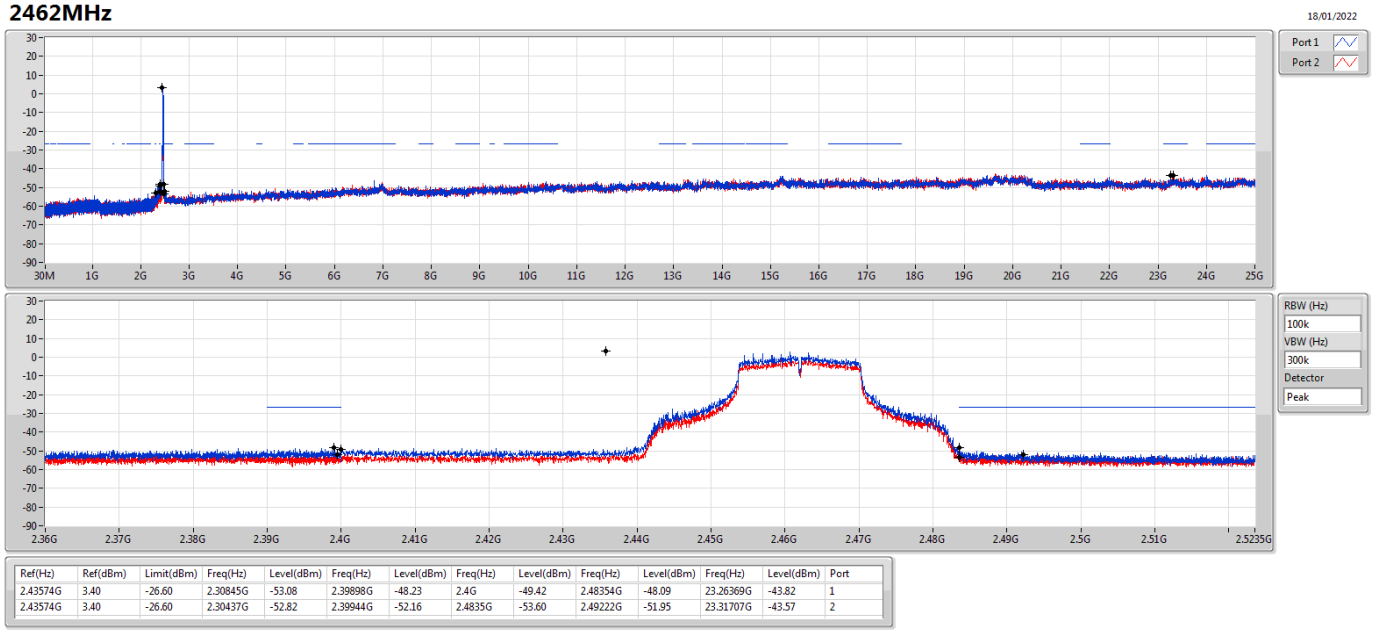
2437MHz



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	3.40	-26.60	2.30525G	-52.97	2.39188G	-49.10	2.4G	-51.26	2.4879G	-51.27	24.77524G	-43.00	1
2.43574G	3.40	-26.60	2.30495G	-53.55	2.39326G	-51.06	2.4G	-52.85	2.4985G	-51.98	15.26487G	-43.23	2

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

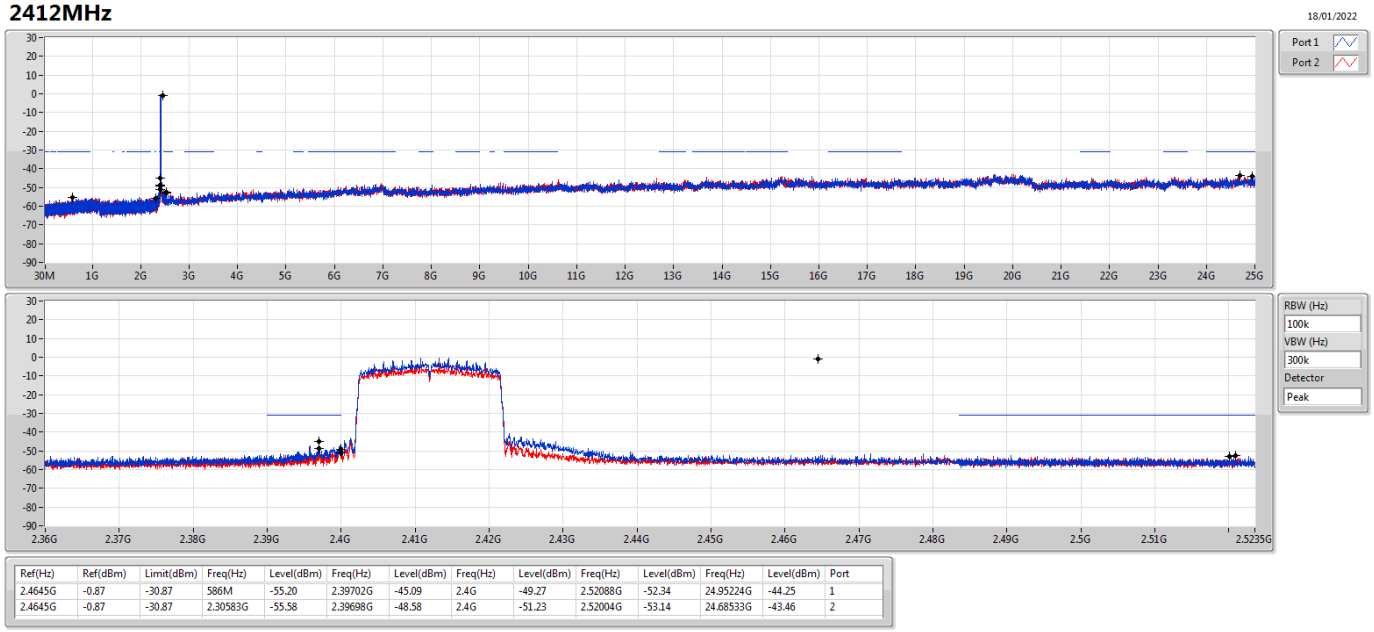
2462MHz



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	3.40	-26.60	2.30845G	-53.08	2.39898G	-48.23	2.4G	-49.42	2.48354G	-48.09	23.26369G	-43.82	1
2.43574G	3.40	-26.60	2.30437G	-52.82	2.39944G	-52.16	2.4835G	-53.60	2.49222G	-51.95	23.31707G	-43.57	2

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

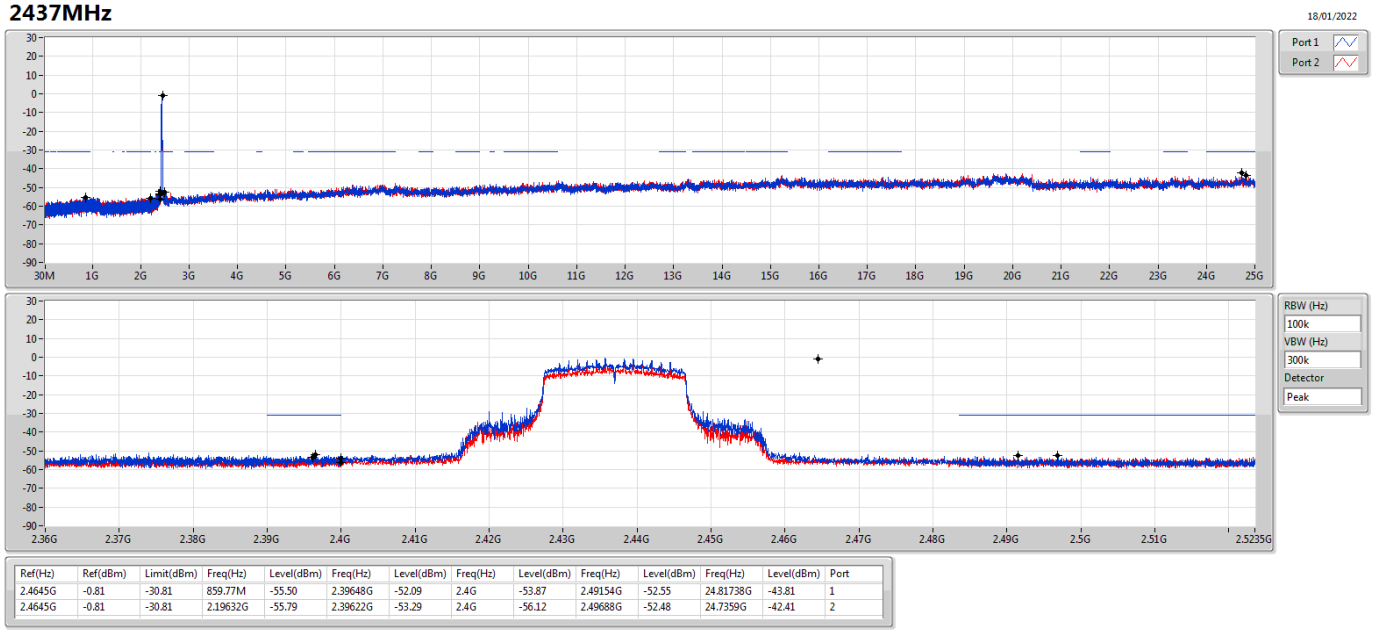
2412MHz



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
2.4645G	-0.87	-30.87	586M	-55.20	2.39702G	-45.09	2.4G	-49.27	2.52088G	-52.34	24.95224G	-44.25	1
2.4645G	-0.87	-30.87	2.30583G	-55.58	2.39698G	-48.58	2.4G	-51.23	2.52004G	-53.14	24.68533G	-43.46	2

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

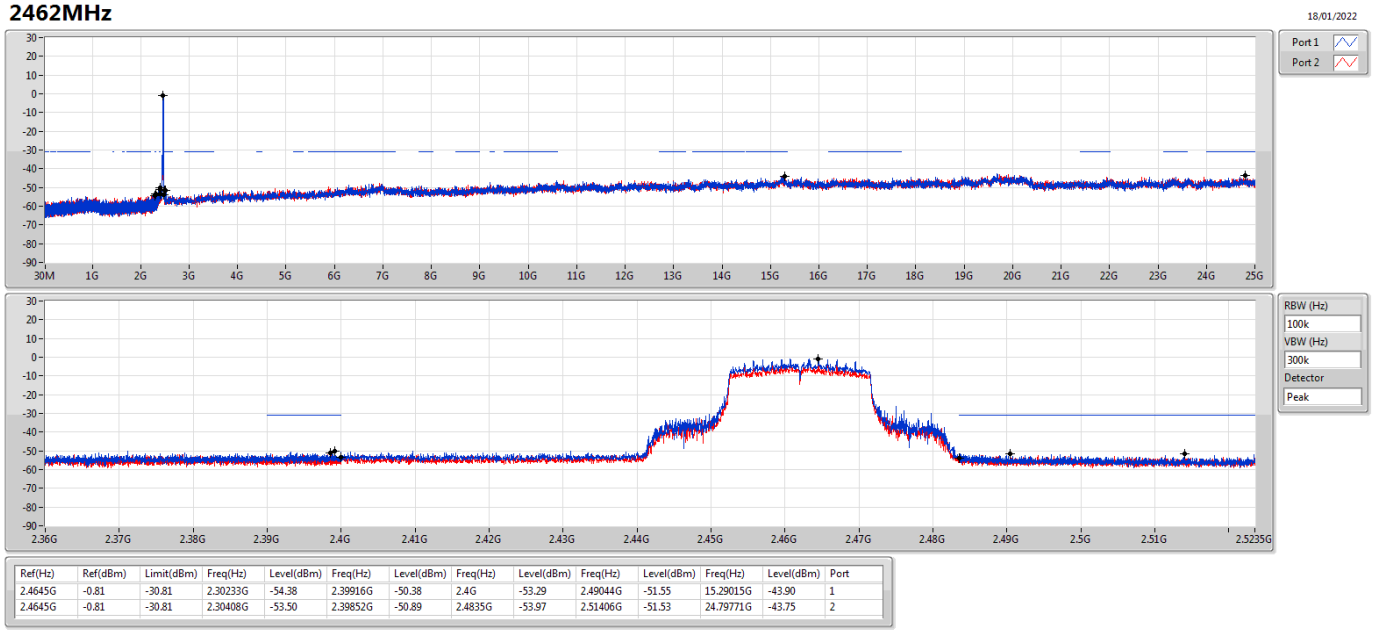
2437MHz



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
2.4645G	-0.81	-30.81	859.77M	-55.50	2.39648G	-52.09	2.4G	-53.87	2.49154G	-52.55	24.81738G	-43.81	1
2.4645G	-0.81	-30.81	2.19632G	-55.79	2.39622G	-53.29	2.4G	-56.12	2.49688G	-52.48	24.7359G	-42.41	2

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

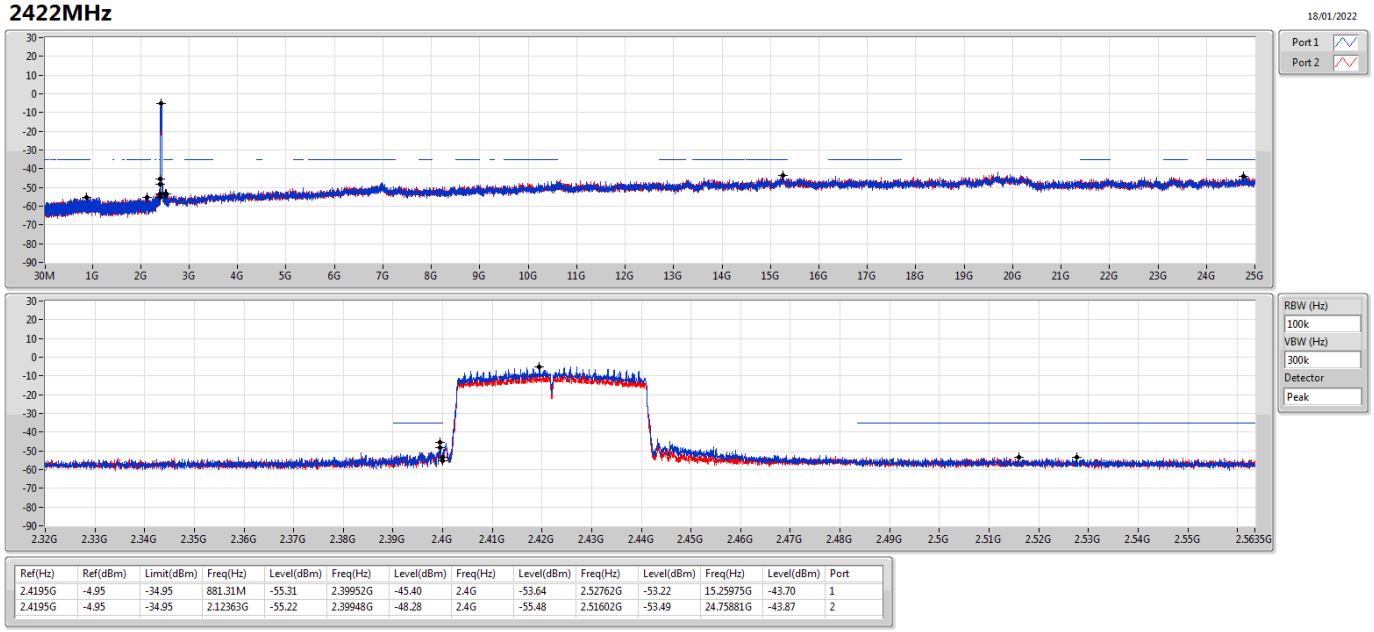
2462MHz



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
2.4645G	-0.81	-30.81	2.30233G	-54.38	2.39916G	-50.38	2.4G	-53.29	2.49044G	-51.55	15.29015G	-43.90	1
2.4645G	-0.81	-30.81	2.30408G	-53.50	2.39852G	-50.89	2.4835G	-53.97	2.51406G	-51.53	24.79771G	-43.75	2

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

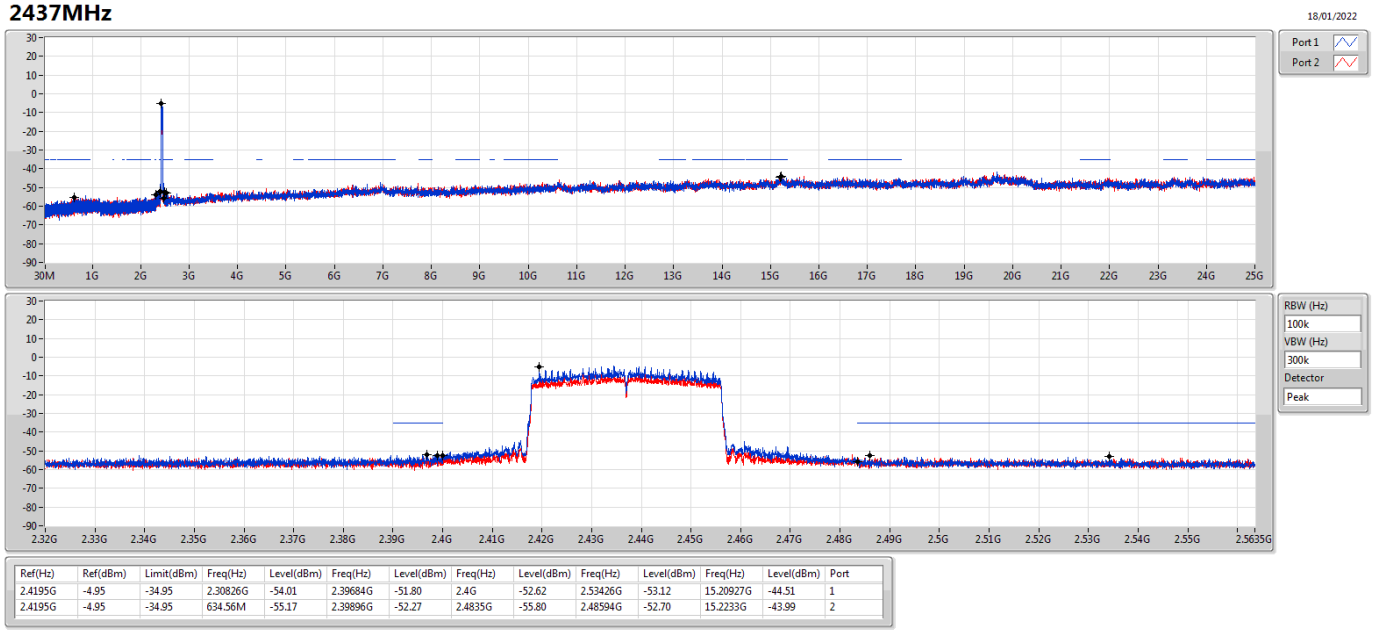
2422MHz



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
2.4195G	-4.95	-34.95	881.31M	-55.31	2.39952G	-45.40	2.4G	-53.64	2.52762G	-53.22	15.25975G	-43.70	1
2.4195G	-4.95	-34.95	2.12363G	-55.22	2.39948G	-48.28	2.4G	-55.48	2.51602G	-53.49	24.75881G	-43.87	2

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

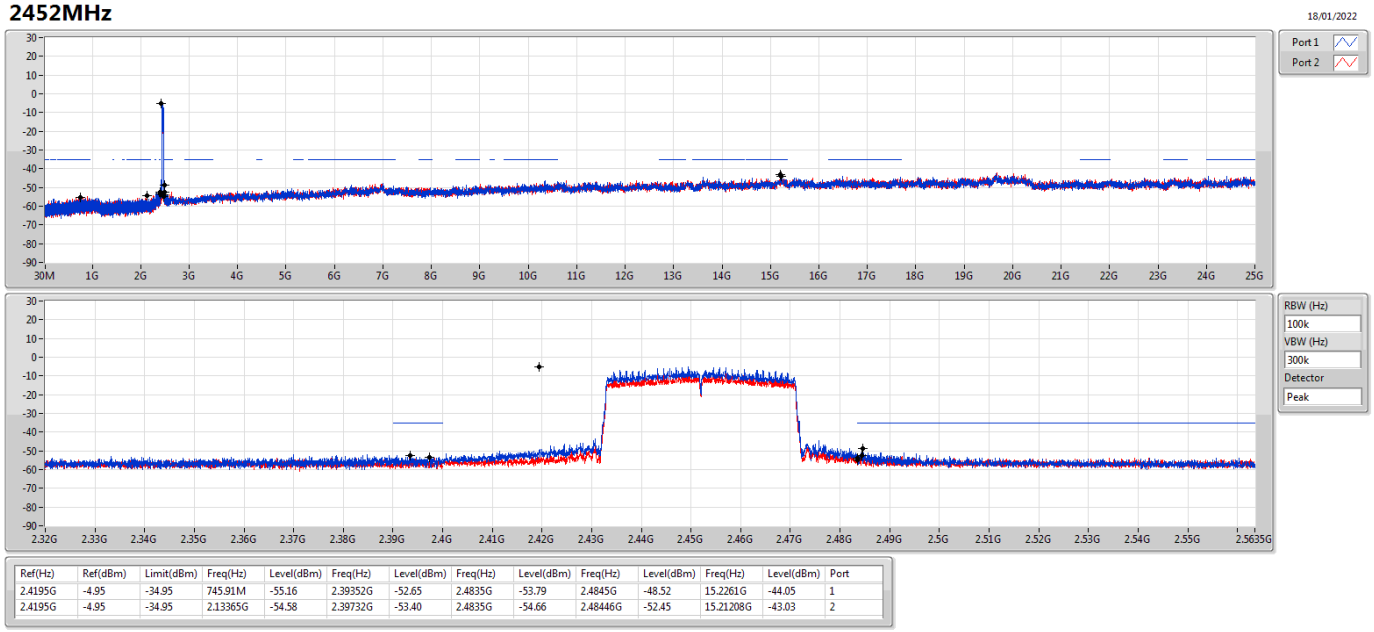
2437MHz



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
2.4195G	-4.95	-34.95	2.30826G	-54.01	2.39684G	-51.80	2.4G	-52.62	2.53426G	-53.12	15.20927G	-44.51	1
2.4195G	-4.95	-34.95	634.56M	-55.17	2.39896G	-52.27	2.4835G	-55.80	2.48594G	-52.70	15.2233G	-43.99	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
2.4195G	-4.95	-34.95	745.91M	-55.16	2.39352G	-52.65	2.4835G	-53.79	2.4845G	-48.52	15.2261G	-44.05	1
2.4195G	-4.95	-34.95	2.13365G	-54.58	2.39732G	-53.40	2.4835G	-54.66	2.48446G	-52.45	15.21208G	-43.03	2

Summary

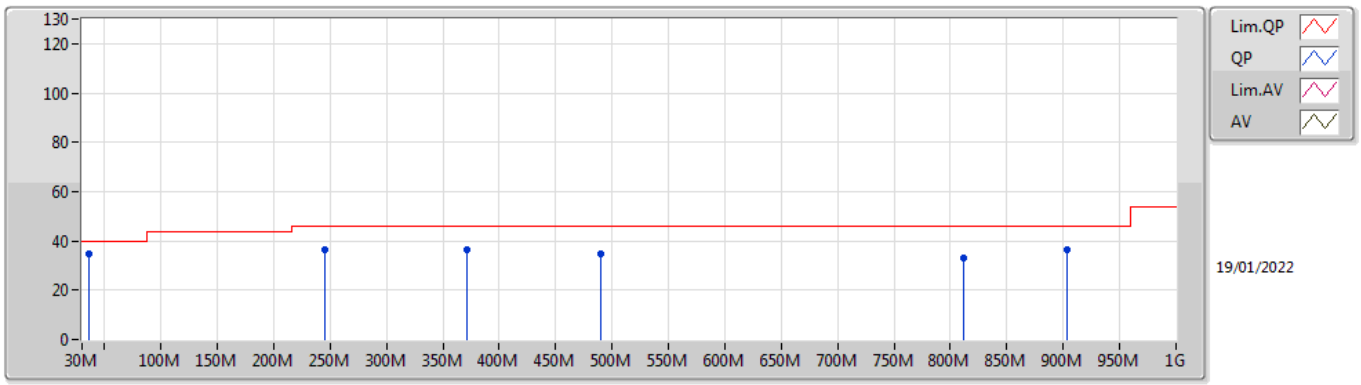
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	QP	243.4M	44.09	46.00	-1.91	3	Horizontal	182	1.00	-

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_Test Fixture	Pass	PK	35.82M	34.62	40.00	-5.38	3	Vertical	0	1.00	-
2437MHz_Test Fixture	Pass	PK	245.34M	36.49	46.00	-9.51	3	Vertical	0	1.00	-
2437MHz_Test Fixture	Pass	PK	371.44M	36.36	46.00	-9.64	3	Vertical	0	1.00	-
2437MHz_Test Fixture	Pass	PK	489.78M	34.87	46.00	-11.13	3	Vertical	0	1.00	-
2437MHz_Test Fixture	Pass	PK	811.82M	33.28	46.00	-12.72	3	Vertical	0	1.00	-
2437MHz_Test Fixture	Pass	PK	903M	36.51	46.00	-9.49	3	Vertical	0	1.00	-
2437MHz_Test Fixture	Pass	PK	146.4M	27.57	43.50	-15.93	3	Horizontal	360	1.00	-
2437MHz_Test Fixture	Pass	PK	293.84M	41.86	46.00	-4.14	3	Horizontal	360	1.00	-
2437MHz_Test Fixture	Pass	PK	371.44M	37.60	46.00	-8.40	3	Horizontal	360	1.00	-
2437MHz_Test Fixture	Pass	PK	480.08M	38.27	46.00	-7.73	3	Horizontal	360	1.00	-
2437MHz_Test Fixture	Pass	PK	935.98M	33.92	46.00	-12.08	3	Horizontal	360	1.00	-
2437MHz_Test Fixture	Pass	QP	243.4M	44.09	46.00	-1.91	3	Horizontal	182	1.00	-

802.11ax HEW40_Nss1,(MCS0)_2TX

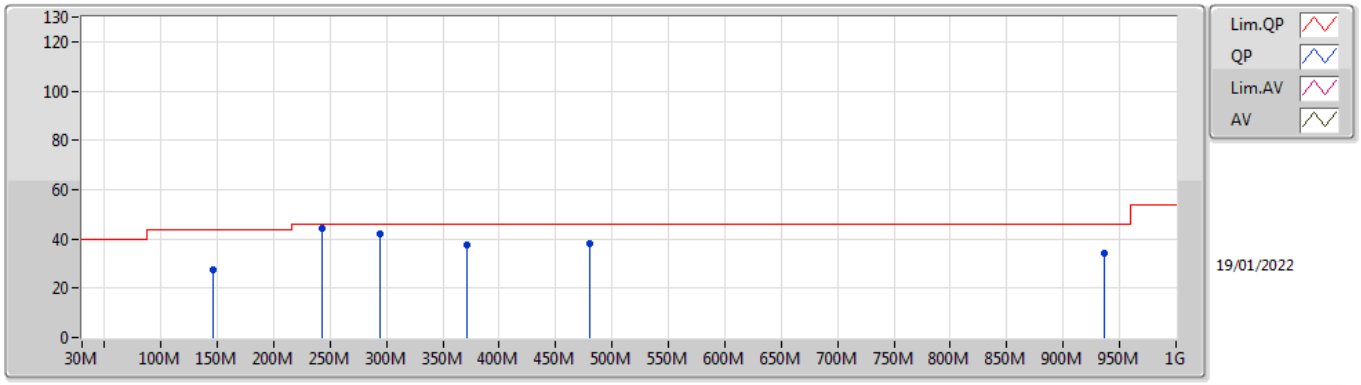
2437MHz_Test Fixture



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	35.82M	34.62	40.00	-5.38	-6.09	3	Vertical	0	1.00	-	40.71	20.17	0.92	27.18
PK	245.34M	36.49	46.00	-9.51	-7.89	3	Vertical	0	1.00	-	44.38	17.03	2.13	27.05
PK	371.44M	36.36	46.00	-9.64	-4.88	3	Vertical	0	1.00	-	41.24	20.01	2.63	27.52
PK	489.78M	34.87	46.00	-11.13	-2.53	3	Vertical	0	1.00	-	37.40	22.72	3.04	28.29
PK	811.82M	33.28	46.00	-12.72	1.16	3	Vertical	0	1.00	-	32.12	25.09	3.91	27.84
PK	903M	36.51	46.00	-9.49	2.30	3	Vertical	0	1.00	-	34.21	25.68	4.11	27.49

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_Test Fixture



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	146.4M	27.57	43.50	-15.93	-10.06	3	Horizontal	360	1.00	-	37.63	15.83	1.68	27.57
PK	293.84M	41.86	46.00	-4.14	-6.52	3	Horizontal	360	1.00	-	48.38	18.21	2.33	27.06
PK	371.44M	37.60	46.00	-8.40	-4.88	3	Horizontal	360	1.00	-	42.48	20.01	2.63	27.52
PK	480.08M	38.27	46.00	-7.73	-2.61	3	Horizontal	360	1.00	-	40.88	22.62	3.01	28.24
PK	935.98M	33.92	46.00	-12.08	2.75	3	Horizontal	360	1.00	-	31.17	25.93	4.16	27.34
QP	243.4M	44.09	46.00	-1.91	-8.12	3	Horizontal	182	1.00	-	52.21	16.82	2.12	27.06

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.3864G	48.94	54.00	-5.06	3	Horizontal	41	1.50	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4835G	49.96	54.00	-4.04	3	Horizontal	76	1.50	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.3554G	50.02	54.00	-3.98	3	Vertical	84	2.67	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.3548G	49.64	54.00	-4.36	3	Horizontal	42	2.19	-

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	2.3654G	47.40	54.00	-6.60	3	Vertical	342	3.00	-
2412MHz	Pass	AV	2.4112G	94.84	Inf	-Inf	3	Vertical	342	3.00	-
2412MHz	Pass	PK	2.3664G	59.52	74.00	-14.48	3	Vertical	342	3.00	-
2412MHz	Pass	PK	2.411G	98.64	Inf	-Inf	3	Vertical	342	3.00	-
2412MHz	Pass	AV	2.3864G	48.94	54.00	-5.06	3	Horizontal	41	1.50	-
2412MHz	Pass	AV	2.4128G	103.62	Inf	-Inf	3	Horizontal	41	1.50	-
2412MHz	Pass	PK	2.3888G	60.06	74.00	-13.94	3	Horizontal	41	1.50	-
2412MHz	Pass	PK	2.413G	107.62	Inf	-Inf	3	Horizontal	41	1.50	-
2412MHz	Pass	AV	4.82396G	33.45	54.00	-20.55	3	Vertical	1	2.67	-
2412MHz	Pass	PK	4.82388G	43.78	74.00	-30.22	3	Vertical	1	2.67	-
2412MHz	Pass	AV	4.82392G	36.94	54.00	-17.06	3	Horizontal	22	1.11	-
2412MHz	Pass	PK	4.824G	44.85	74.00	-29.15	3	Horizontal	22	1.11	-
2417MHz	Pass	AV	2.3886G	47.86	54.00	-6.14	3	Vertical	100	2.48	-
2417MHz	Pass	AV	2.4188G	101.56	Inf	-Inf	3	Vertical	100	2.48	-
2417MHz	Pass	PK	2.3866G	59.44	74.00	-14.56	3	Vertical	100	2.48	-
2417MHz	Pass	PK	2.4186G	105.07	Inf	-Inf	3	Vertical	100	2.48	-
2417MHz	Pass	AV	2.39G	48.37	54.00	-5.63	3	Horizontal	22	2.74	-
2417MHz	Pass	AV	2.4176G	106.35	Inf	-Inf	3	Horizontal	22	2.74	-
2417MHz	Pass	PK	2.3704G	59.91	74.00	-14.09	3	Horizontal	22	2.74	-
2417MHz	Pass	PK	2.418G	110.38	Inf	-Inf	3	Horizontal	22	2.74	-
2437MHz	Pass	AV	2.3422G	47.48	54.00	-6.52	3	Vertical	140	2.76	-
2437MHz	Pass	AV	2.4362G	99.42	Inf	-Inf	3	Vertical	140	2.76	-
2437MHz	Pass	AV	2.4978G	46.99	54.00	-7.01	3	Vertical	140	2.76	-
2437MHz	Pass	PK	2.3898G	59.41	74.00	-14.59	3	Vertical	140	2.76	-
2437MHz	Pass	PK	2.4362G	103.28	Inf	-Inf	3	Vertical	140	2.76	-
2437MHz	Pass	PK	2.4938G	58.28	74.00	-15.72	3	Vertical	140	2.76	-
2437MHz	Pass	AV	2.3446G	47.57	54.00	-6.43	3	Horizontal	6	1.50	-
2437MHz	Pass	AV	2.4362G	104.04	Inf	-Inf	3	Horizontal	6	1.50	-
2437MHz	Pass	AV	2.495G	47.00	54.00	-7.00	3	Horizontal	6	1.50	-
2437MHz	Pass	PK	2.3534G	60.12	74.00	-13.88	3	Horizontal	6	1.50	-
2437MHz	Pass	PK	2.4362G	107.85	Inf	-Inf	3	Horizontal	6	1.50	-
2437MHz	Pass	PK	2.4874G	58.01	74.00	-15.99	3	Horizontal	6	1.50	-
2437MHz	Pass	AV	4.874G	34.72	54.00	-19.28	3	Vertical	1	2.76	-
2437MHz	Pass	PK	4.87404G	44.03	74.00	-29.97	3	Vertical	1	2.76	-
2437MHz	Pass	AV	4.87396G	39.05	54.00	-14.95	3	Horizontal	19	2.94	-
2437MHz	Pass	PK	4.874G	46.00	74.00	-28.00	3	Horizontal	19	2.94	-
2462MHz	Pass	AV	2.4612G	102.91	Inf	-Inf	3	Vertical	134	3.00	-
2462MHz	Pass	AV	2.4882G	47.25	54.00	-6.75	3	Vertical	134	3.00	-
2462MHz	Pass	PK	2.461G	106.80	Inf	-Inf	3	Vertical	134	3.00	-
2462MHz	Pass	PK	2.4934G	58.80	74.00	-15.20	3	Vertical	134	3.00	-
2462MHz	Pass	AV	2.4602G	104.80	Inf	-Inf	3	Horizontal	4	2.96	-
2462MHz	Pass	AV	2.4904G	47.26	54.00	-6.74	3	Horizontal	4	2.96	-
2462MHz	Pass	PK	2.461G	108.44	Inf	-Inf	3	Horizontal	4	2.96	-
2462MHz	Pass	PK	2.4896G	58.64	74.00	-15.36	3	Horizontal	4	2.96	-
2462MHz	Pass	AV	4.92404G	34.89	54.00	-19.11	3	Vertical	131	2.52	-
2462MHz	Pass	PK	4.92392G	45.25	74.00	-28.75	3	Vertical	131	2.52	-
2462MHz	Pass	AV	4.924G	40.51	54.00	-13.49	3	Horizontal	25	1.00	-
2462MHz	Pass	PK	4.92392G	47.05	74.00	-26.95	3	Horizontal	25	1.00	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3692G	48.14	54.00	-5.86	3	Vertical	90	3.00	-
2412MHz	Pass	AV	2.4126G	96.85	Inf	-Inf	3	Vertical	90	3.00	-
2412MHz	Pass	PK	2.3888G	59.55	74.00	-14.45	3	Vertical	90	3.00	-
2412MHz	Pass	PK	2.4126G	106.27	Inf	-Inf	3	Vertical	90	3.00	-
2412MHz	Pass	AV	2.3894G	48.67	54.00	-5.33	3	Horizontal	71	1.50	-
2412MHz	Pass	AV	2.413G	95.78	Inf	-Inf	3	Horizontal	71	1.50	-
2412MHz	Pass	PK	2.3888G	60.06	74.00	-13.94	3	Horizontal	71	1.50	-
2412MHz	Pass	PK	2.4134G	105.22	Inf	-Inf	3	Horizontal	71	1.50	-
2412MHz	Pass	AV	4.83172G	30.06	54.00	-23.94	3	Vertical	76	2.39	-
2412MHz	Pass	PK	4.82152G	43.46	74.00	-30.54	3	Vertical	76	2.39	-
2412MHz	Pass	AV	4.81868G	30.24	54.00	-23.76	3	Horizontal	292	1.50	-

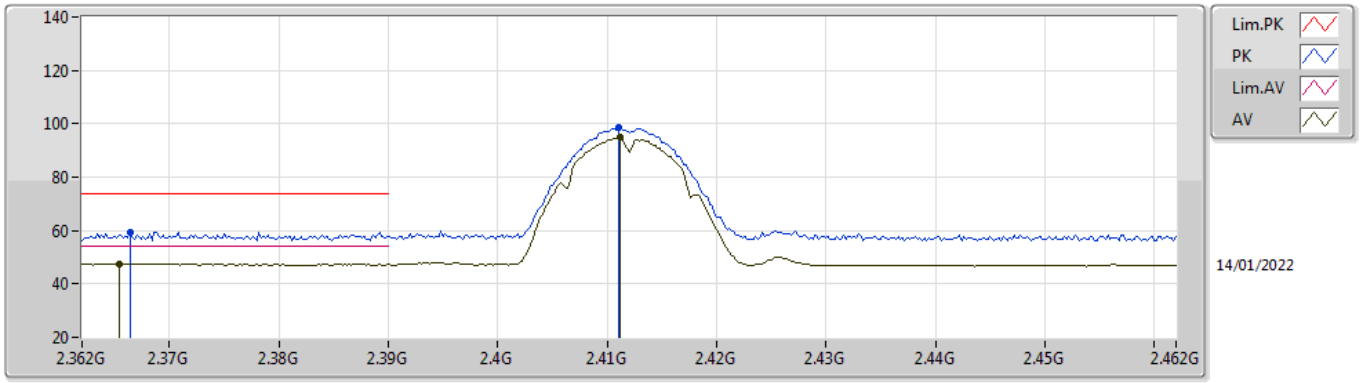
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	4.81816G	43.69	74.00	-30.31	3	Horizontal	292	1.50	-
2417MHz	Pass	AV	2.3896G	49.02	54.00	-4.98	3	Vertical	100	2.73	-
2417MHz	Pass	AV	2.4154G	98.30	Inf	-Inf	3	Vertical	100	2.73	-
2417MHz	Pass	PK	2.3884G	60.94	74.00	-13.06	3	Vertical	100	2.73	-
2417MHz	Pass	PK	2.4152G	107.82	Inf	-Inf	3	Vertical	100	2.73	-
2417MHz	Pass	AV	2.39G	49.83	54.00	-4.17	3	Horizontal	22	2.73	-
2417MHz	Pass	AV	2.416G	100.80	Inf	-Inf	3	Horizontal	22	2.73	-
2417MHz	Pass	PK	2.368G	61.40	74.00	-12.60	3	Horizontal	22	2.73	-
2417MHz	Pass	PK	2.4158G	109.72	Inf	-Inf	3	Horizontal	22	2.73	-
2437MHz	Pass	AV	2.383G	49.18	54.00	-4.82	3	Vertical	86	2.74	-
2437MHz	Pass	AV	2.4378G	99.73	Inf	-Inf	3	Vertical	86	2.74	-
2437MHz	Pass	AV	2.4842G	47.67	54.00	-6.33	3	Vertical	86	2.74	-
2437MHz	Pass	PK	2.347G	61.27	74.00	-12.73	3	Vertical	86	2.74	-
2437MHz	Pass	PK	2.4378G	108.79	Inf	-Inf	3	Vertical	86	2.74	-
2437MHz	Pass	PK	2.4838G	58.73	74.00	-15.27	3	Vertical	86	2.74	-
2437MHz	Pass	AV	2.3374G	49.17	54.00	-4.83	3	Horizontal	24	3.00	-
2437MHz	Pass	AV	2.4382G	99.30	Inf	-Inf	3	Horizontal	24	3.00	-
2437MHz	Pass	AV	2.4866G	47.58	54.00	-6.42	3	Horizontal	24	3.00	-
2437MHz	Pass	PK	2.3402G	59.96	74.00	-14.04	3	Horizontal	24	3.00	-
2437MHz	Pass	PK	2.4386G	108.86	Inf	-Inf	3	Horizontal	24	3.00	-
2437MHz	Pass	PK	2.4934G	58.86	74.00	-15.14	3	Horizontal	24	3.00	-
2437MHz	Pass	AV	4.87608G	30.03	54.00	-23.97	3	Vertical	136	2.93	-
2437MHz	Pass	PK	4.8702G	42.59	74.00	-31.41	3	Vertical	136	2.93	-
2437MHz	Pass	AV	4.87584G	30.01	54.00	-23.99	3	Horizontal	43	2.53	-
2437MHz	Pass	PK	4.86432G	43.35	74.00	-30.65	3	Horizontal	43	2.53	-
2462MHz	Pass	AV	2.4632G	95.75	Inf	-Inf	3	Vertical	154	3.00	-
2462MHz	Pass	AV	2.4835G	48.24	54.00	-5.76	3	Vertical	154	3.00	-
2462MHz	Pass	PK	2.4632G	105.47	Inf	-Inf	3	Vertical	154	3.00	-
2462MHz	Pass	PK	2.4882G	59.38	74.00	-14.62	3	Vertical	154	3.00	-
2462MHz	Pass	AV	2.463G	99.21	Inf	-Inf	3	Horizontal	76	1.50	-
2462MHz	Pass	AV	2.4835G	49.96	54.00	-4.04	3	Horizontal	76	1.50	-
2462MHz	Pass	PK	2.4632G	108.28	Inf	-Inf	3	Horizontal	76	1.50	-
2462MHz	Pass	PK	2.4836G	61.71	74.00	-12.29	3	Horizontal	76	1.50	-
2462MHz	Pass	AV	4.92328G	30.25	54.00	-23.75	3	Vertical	279	1.87	-
2462MHz	Pass	PK	4.92712G	42.63	74.00	-31.37	3	Vertical	279	1.87	-
2462MHz	Pass	AV	4.92348G	30.51	54.00	-23.49	3	Horizontal	193	1.77	-
2462MHz	Pass	PK	4.92528G	43.69	74.00	-30.31	3	Horizontal	193	1.77	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3664G	49.16	54.00	-4.84	3	Vertical	90	3.00	-
2412MHz	Pass	AV	2.4102G	94.61	Inf	-Inf	3	Vertical	90	3.00	-
2412MHz	Pass	PK	2.387G	59.57	74.00	-14.43	3	Vertical	90	3.00	-
2412MHz	Pass	PK	2.4148G	106.27	Inf	-Inf	3	Vertical	90	3.00	-
2412MHz	Pass	AV	2.3866G	49.73	54.00	-4.27	3	Horizontal	21	1.33	-
2412MHz	Pass	AV	2.4126G	94.37	Inf	-Inf	3	Horizontal	21	1.33	-
2412MHz	Pass	PK	2.379G	59.18	74.00	-14.82	3	Horizontal	21	1.33	-
2412MHz	Pass	PK	2.4156G	105.56	Inf	-Inf	3	Horizontal	21	1.33	-
2412MHz	Pass	AV	4.82328G	31.87	54.00	-22.13	3	Vertical	228	1.53	-
2412MHz	Pass	PK	4.82516G	42.58	74.00	-31.42	3	Vertical	228	1.53	-
2412MHz	Pass	AV	4.81692G	32.34	54.00	-21.66	3	Horizontal	87	1.57	-
2412MHz	Pass	PK	4.82208G	43.00	74.00	-31.00	3	Horizontal	87	1.57	-
2437MHz	Pass	AV	2.3554G	50.02	54.00	-3.98	3	Vertical	84	2.67	-
2437MHz	Pass	AV	2.4378G	95.68	Inf	-Inf	3	Vertical	84	2.67	-
2437MHz	Pass	AV	2.4982G	48.62	54.00	-5.38	3	Vertical	84	2.67	-
2437MHz	Pass	PK	2.3622G	59.67	74.00	-14.33	3	Vertical	84	2.67	-
2437MHz	Pass	PK	2.4398G	107.11	Inf	-Inf	3	Vertical	84	2.67	-
2437MHz	Pass	PK	2.4882G	58.46	74.00	-15.54	3	Vertical	84	2.67	-
2437MHz	Pass	AV	2.3598G	49.47	54.00	-4.53	3	Horizontal	27	3.00	-
2437MHz	Pass	AV	2.4358G	97.16	Inf	-Inf	3	Horizontal	27	3.00	-
2437MHz	Pass	AV	2.4882G	48.77	54.00	-5.23	3	Horizontal	27	3.00	-
2437MHz	Pass	PK	2.3774G	60.22	74.00	-13.78	3	Horizontal	27	3.00	-
2437MHz	Pass	PK	2.4354G	106.56	Inf	-Inf	3	Horizontal	27	3.00	-
2437MHz	Pass	PK	2.4842G	57.93	74.00	-16.07	3	Horizontal	27	3.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	4.87964G	32.29	54.00	-21.71	3	Vertical	19	1.71	-
2437MHz	Pass	PK	4.88264G	43.10	74.00	-30.90	3	Vertical	19	1.71	-
2437MHz	Pass	AV	4.88308G	32.06	54.00	-21.94	3	Horizontal	245	2.79	-
2437MHz	Pass	PK	4.86756G	42.78	74.00	-31.22	3	Horizontal	245	2.79	-
2462MHz	Pass	AV	2.4612G	93.21	Inf	-Inf	3	Vertical	140	3.00	-
2462MHz	Pass	AV	2.4844G	48.96	54.00	-5.04	3	Vertical	140	3.00	-
2462MHz	Pass	PK	2.461G	103.60	Inf	-Inf	3	Vertical	140	3.00	-
2462MHz	Pass	PK	2.4934G	58.90	74.00	-15.10	3	Vertical	140	3.00	-
2462MHz	Pass	AV	2.4616G	95.95	Inf	-Inf	3	Horizontal	44	1.55	-
2462MHz	Pass	AV	2.489G	48.99	54.00	-5.01	3	Horizontal	44	1.55	-
2462MHz	Pass	PK	2.4642G	106.66	Inf	-Inf	3	Horizontal	44	1.55	-
2462MHz	Pass	PK	2.4884G	58.86	74.00	-15.14	3	Horizontal	44	1.55	-
2462MHz	Pass	AV	4.91564G	32.24	54.00	-21.76	3	Vertical	7	2.55	-
2462MHz	Pass	PK	4.92796G	42.32	74.00	-31.68	3	Vertical	7	2.55	-
2462MHz	Pass	AV	4.92828G	32.16	54.00	-21.84	3	Horizontal	345	1.91	-
2462MHz	Pass	PK	4.92504G	42.46	74.00	-31.54	3	Horizontal	345	1.91	-
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3564G	49.28	54.00	-4.72	3	Vertical	141	2.74	-
2422MHz	Pass	AV	2.4236G	83.87	Inf	-Inf	3	Vertical	141	2.74	-
2422MHz	Pass	AV	2.4852G	48.86	54.00	-5.14	3	Vertical	141	2.74	-
2422MHz	Pass	PK	2.3628G	59.83	74.00	-14.17	3	Vertical	141	2.74	-
2422MHz	Pass	PK	2.414G	94.53	Inf	-Inf	3	Vertical	141	2.74	-
2422MHz	Pass	PK	2.4992G	58.95	74.00	-15.05	3	Vertical	141	2.74	-
2422MHz	Pass	AV	2.3548G	49.64	54.00	-4.36	3	Horizontal	42	2.19	-
2422MHz	Pass	AV	2.4264G	90.48	Inf	-Inf	3	Horizontal	42	2.19	-
2422MHz	Pass	AV	2.4984G	48.59	54.00	-5.41	3	Horizontal	42	2.19	-
2422MHz	Pass	PK	2.3448G	59.75	74.00	-14.25	3	Horizontal	42	2.19	-
2422MHz	Pass	PK	2.4288G	100.35	Inf	-Inf	3	Horizontal	42	2.19	-
2422MHz	Pass	PK	2.4916G	57.91	74.00	-16.09	3	Horizontal	42	2.19	-
2422MHz	Pass	AV	4.84488G	31.91	54.00	-22.09	3	Vertical	219	2.35	-
2422MHz	Pass	PK	4.82528G	42.82	74.00	-31.18	3	Vertical	219	2.35	-
2422MHz	Pass	AV	4.86328G	31.93	54.00	-22.07	3	Horizontal	182	2.24	-
2422MHz	Pass	PK	4.83112G	43.00	74.00	-31.00	3	Horizontal	182	2.24	-
2437MHz	Pass	AV	2.351G	49.40	54.00	-4.60	3	Vertical	140	3.00	-
2437MHz	Pass	AV	2.4402G	87.23	Inf	-Inf	3	Vertical	140	3.00	-
2437MHz	Pass	AV	2.4922G	48.81	54.00	-5.19	3	Vertical	140	3.00	-
2437MHz	Pass	PK	2.3458G	59.24	74.00	-14.76	3	Vertical	140	3.00	-
2437MHz	Pass	PK	2.4398G	98.50	Inf	-Inf	3	Vertical	140	3.00	-
2437MHz	Pass	PK	2.4986G	58.09	74.00	-15.91	3	Vertical	140	3.00	-
2437MHz	Pass	AV	2.343G	49.45	54.00	-4.55	3	Horizontal	4	1.49	-
2437MHz	Pass	AV	2.4354G	91.39	Inf	-Inf	3	Horizontal	4	1.49	-
2437MHz	Pass	AV	2.491G	49.01	54.00	-4.99	3	Horizontal	4	1.49	-
2437MHz	Pass	PK	2.3474G	60.03	74.00	-13.97	3	Horizontal	4	1.49	-
2437MHz	Pass	PK	2.433G	101.29	Inf	-Inf	3	Horizontal	4	1.49	-
2437MHz	Pass	PK	2.493G	58.27	74.00	-15.73	3	Horizontal	4	1.49	-
2437MHz	Pass	AV	4.88168G	32.00	54.00	-22.00	3	Vertical	42	1.24	-
2437MHz	Pass	PK	4.8684G	42.51	74.00	-31.49	3	Vertical	42	1.24	-
2437MHz	Pass	AV	4.85888G	31.83	54.00	-22.17	3	Horizontal	47	1.06	-
2437MHz	Pass	PK	4.87216G	42.57	74.00	-31.43	3	Horizontal	47	1.06	-
2452MHz	Pass	AV	2.3524G	49.27	54.00	-4.73	3	Vertical	142	3.00	-
2452MHz	Pass	AV	2.4548G	88.05	Inf	-Inf	3	Vertical	142	3.00	-
2452MHz	Pass	AV	2.4844G	48.90	54.00	-5.10	3	Vertical	142	3.00	-
2452MHz	Pass	PK	2.3652G	58.86	74.00	-15.14	3	Vertical	142	3.00	-
2452MHz	Pass	PK	2.45G	97.82	Inf	-Inf	3	Vertical	142	3.00	-
2452MHz	Pass	PK	2.4844G	57.86	74.00	-16.14	3	Vertical	142	3.00	-
2452MHz	Pass	AV	2.3564G	49.50	54.00	-4.50	3	Horizontal	40	3.00	-
2452MHz	Pass	AV	2.4484G	92.24	Inf	-Inf	3	Horizontal	40	3.00	-
2452MHz	Pass	AV	2.4848G	48.92	54.00	-5.08	3	Horizontal	40	3.00	-
2452MHz	Pass	PK	2.39G	59.30	74.00	-14.70	3	Horizontal	40	3.00	-
2452MHz	Pass	PK	2.4632G	102.29	Inf	-Inf	3	Horizontal	40	3.00	-
2452MHz	Pass	PK	2.492G	58.54	74.00	-15.46	3	Horizontal	40	3.00	-
2452MHz	Pass	AV	4.91064G	32.29	54.00	-21.71	3	Vertical	287	2.92	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2452MHz	Pass	PK	4.91144G	42.64	74.00	-31.36	3	Vertical	287	2.92	-
2452MHz	Pass	AV	4.914G	32.16	54.00	-21.84	3	Horizontal	197	2.61	-
2452MHz	Pass	PK	4.8936G	43.21	74.00	-30.79	3	Horizontal	197	2.61	-

802.11b_Nss1,(1Mbps)_2TX

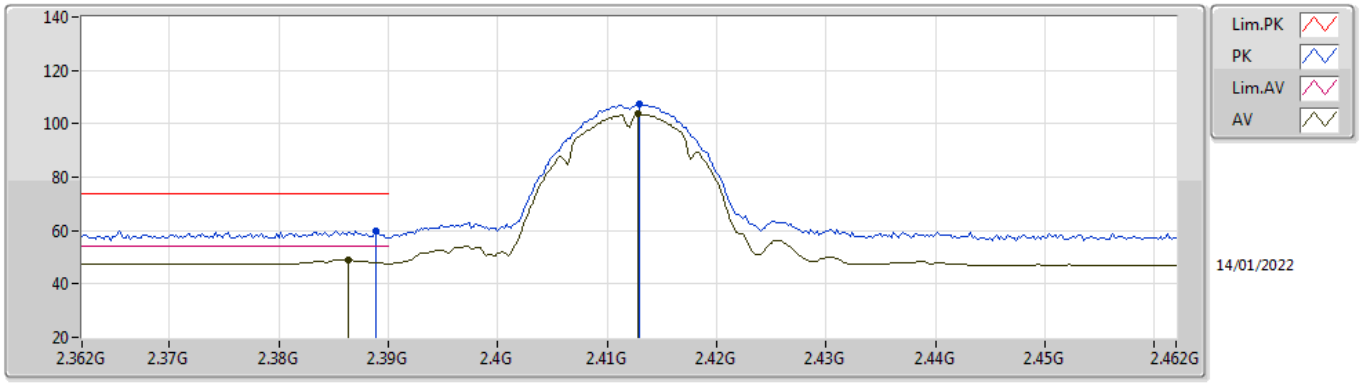
2412MHz_TX



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	2.3654G	47.40	54.00	-6.60	35.01	3	Vertical	342	3.00	-	12.39	27.77	7.24	-
AV	2.4112G	94.84	Inf	-Inf	34.90	3	Vertical	342	3.00	-	59.94	27.63	7.27	-
PK	2.3664G	59.52	74.00	-14.48	35.01	3	Vertical	342	3.00	-	24.51	27.77	7.24	-
PK	2.411G	98.64	Inf	-Inf	34.90	3	Vertical	342	3.00	-	63.74	27.63	7.27	-

802.11b_Nss1,(1Mbps)_2TX

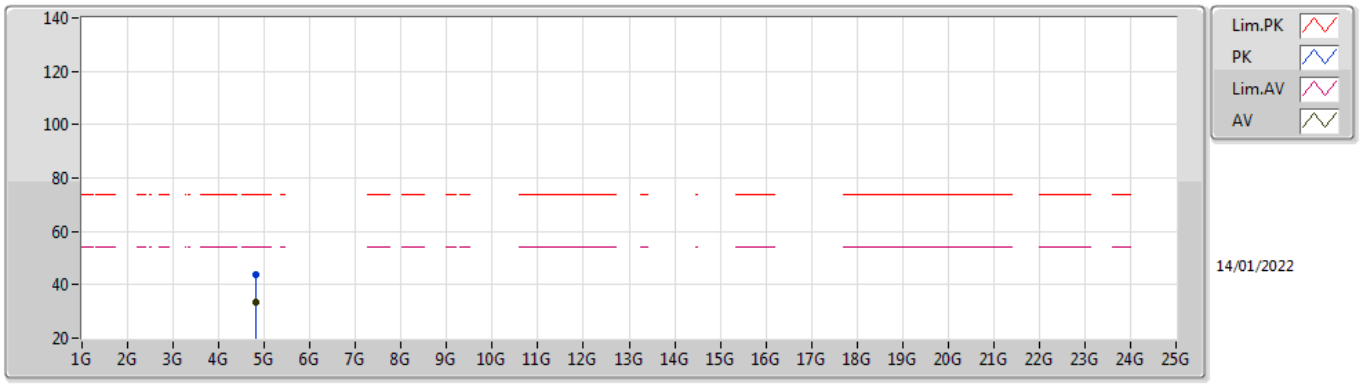
2412MHz_TX



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	2.3864G	48.94	54.00	-5.06	34.98	3	Horizontal	41	1.50	-	13.96	27.73	7.25	-
AV	2.4128G	103.62	Inf	-Inf	34.89	3	Horizontal	41	1.50	-	68.73	27.62	7.27	-
PK	2.3888G	60.06	74.00	-13.94	34.97	3	Horizontal	41	1.50	-	25.09	27.72	7.25	-
PK	2.413G	107.62	Inf	-Inf	34.89	3	Horizontal	41	1.50	-	72.73	27.62	7.27	-

802.11b_Nss1,(1Mbps)_2TX

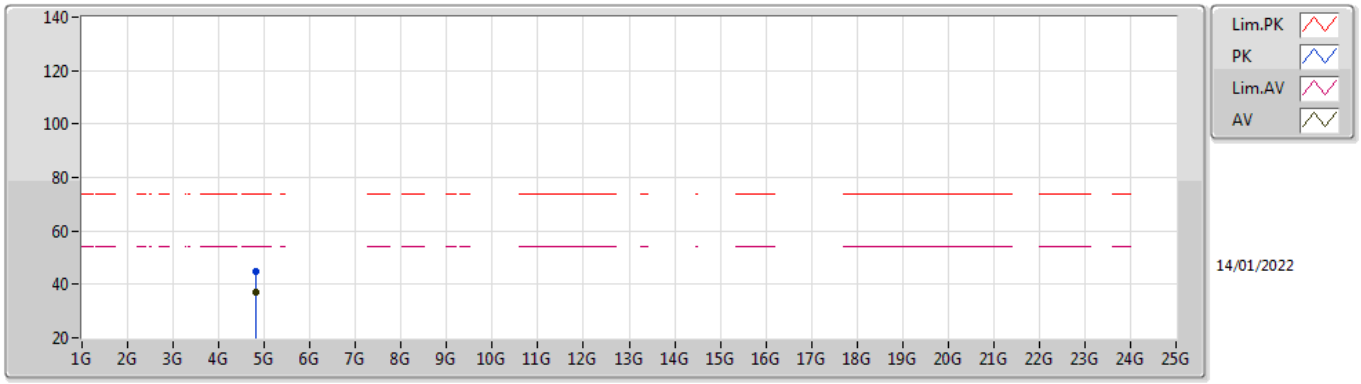
2412MHz_TX



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	4.82396G	33.45	54.00	-20.55	5.89	3	Vertical	1	2.67	-	27.56	31.15	8.92	34.18
PK	4.82388G	43.78	74.00	-30.22	5.89	3	Vertical	1	2.67	-	37.89	31.15	8.92	34.18

802.11b_Nss1,(1Mbps)_2TX

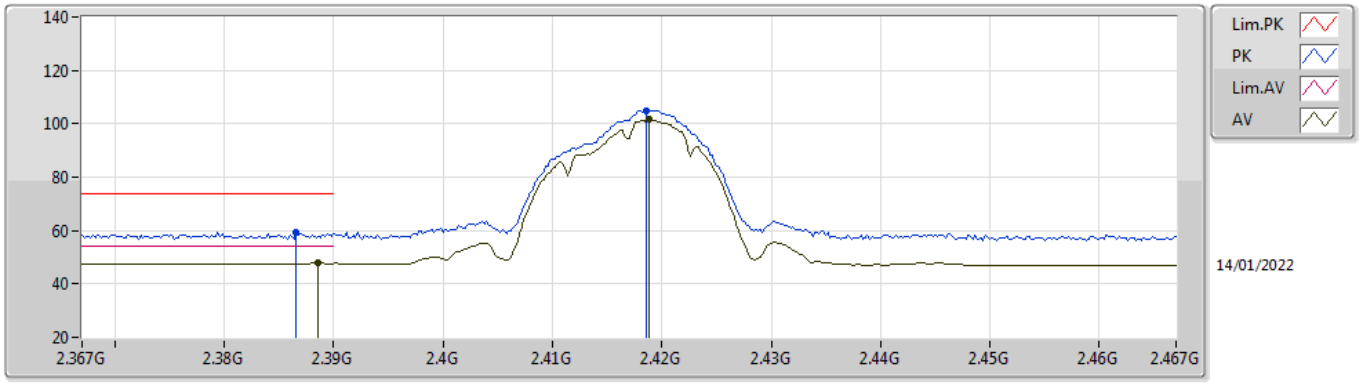
2412MHz_TX



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	4.82392G	36.94	54.00	-17.06	5.89	3	Horizontal	22	1.11	-	31.05	31.15	8.92	34.18
PK	4.824G	44.85	74.00	-29.15	5.89	3	Horizontal	22	1.11	-	38.96	31.15	8.92	34.18

802.11b_Nss1,(1Mbps)_2TX

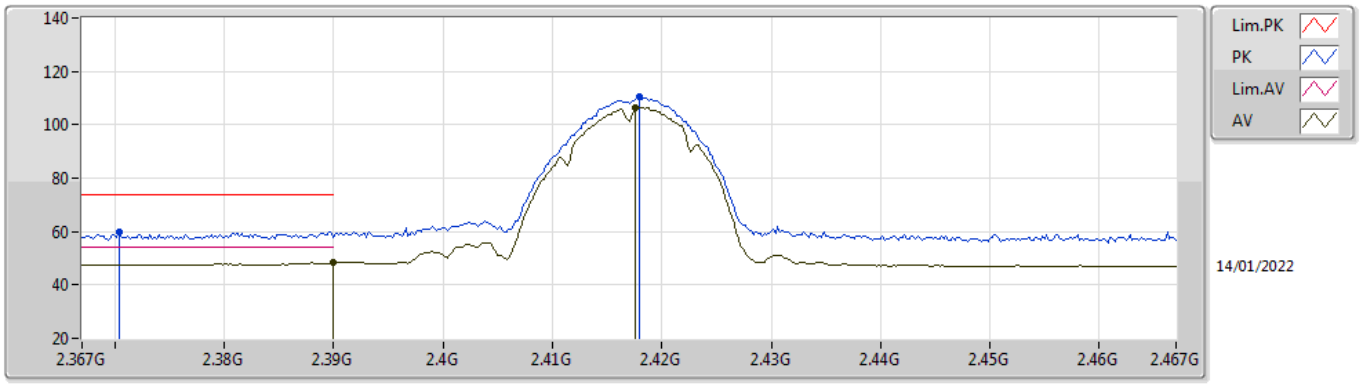
2417MHz_TX



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	47.86	54.00	-6.14	34.97	3	Vertical	100	2.48	-	12.89	27.72	7.25	-
AV	2.4188G	101.56	Inf	-Inf	34.87	3	Vertical	100	2.48	-	66.69	27.59	7.28	-
PK	2.3866G	59.44	74.00	-14.56	34.98	3	Vertical	100	2.48	-	24.46	27.73	7.25	-
PK	2.4186G	105.07	Inf	-Inf	34.86	3	Vertical	100	2.48	-	70.21	27.59	7.27	-

802.11b_Nss1,(1Mbps)_2TX

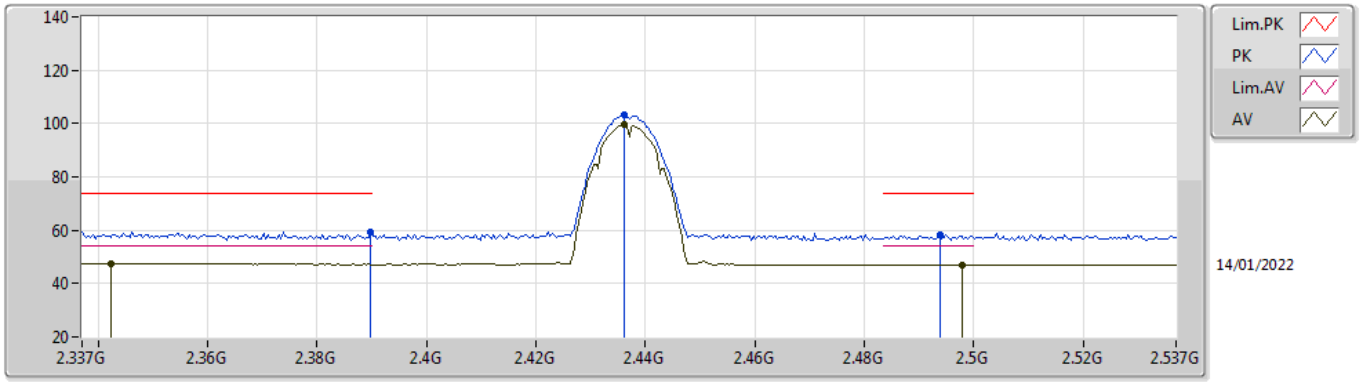
2417MHz_TX



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	48.37	54.00	-5.63	34.98	3	Horizontal	22	2.74	-	13.39	27.72	7.26	-
AV	2.4176G	106.35	Inf	-Inf	34.86	3	Horizontal	22	2.74	-	71.49	27.59	7.27	-
PK	2.3704G	59.91	74.00	-14.09	35.01	3	Horizontal	22	2.74	-	24.90	27.76	7.25	-
PK	2.418G	110.38	Inf	-Inf	34.86	3	Horizontal	22	2.74	-	75.52	27.59	7.27	-

802.11b_Nss1,(1Mbps)_2TX

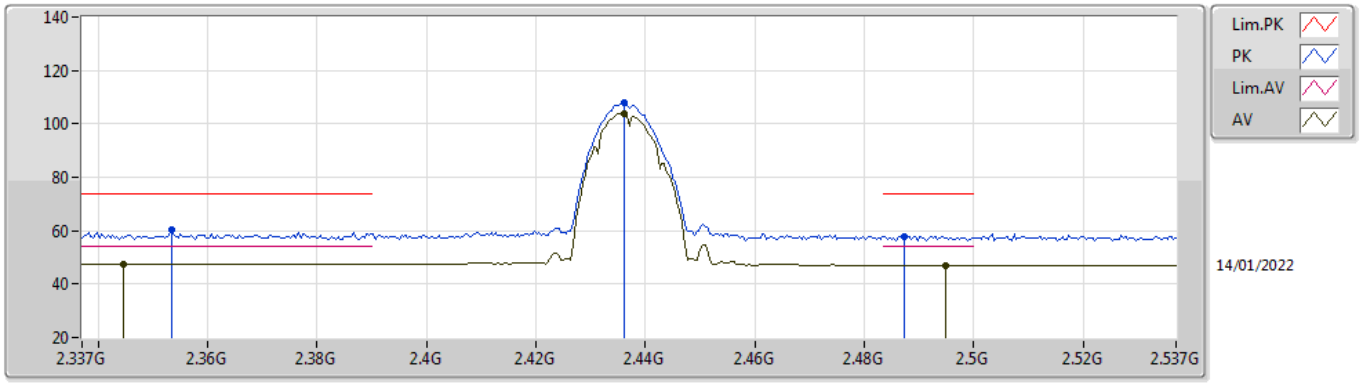
2437MHz_TX



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	2.3422G	47.48	54.00	-6.52	35.05	3	Vertical	140	2.76	-	12.43	27.82	7.23	-
AV	2.4362G	99.42	Inf	-Inf	34.77	3	Vertical	140	2.76	-	64.65	27.48	7.29	-
AV	2.4978G	46.99	54.00	-7.01	34.74	3	Vertical	140	2.76	-	12.25	27.40	7.34	-
PK	2.3898G	59.41	74.00	-14.59	34.98	3	Vertical	140	2.76	-	24.43	27.72	7.26	-
PK	2.4362G	103.28	Inf	-Inf	34.77	3	Vertical	140	2.76	-	68.51	27.48	7.29	-
PK	2.4938G	58.28	74.00	-15.72	34.74	3	Vertical	140	2.76	-	23.54	27.40	7.34	-

802.11b_Nss1,(1Mbps)_2TX

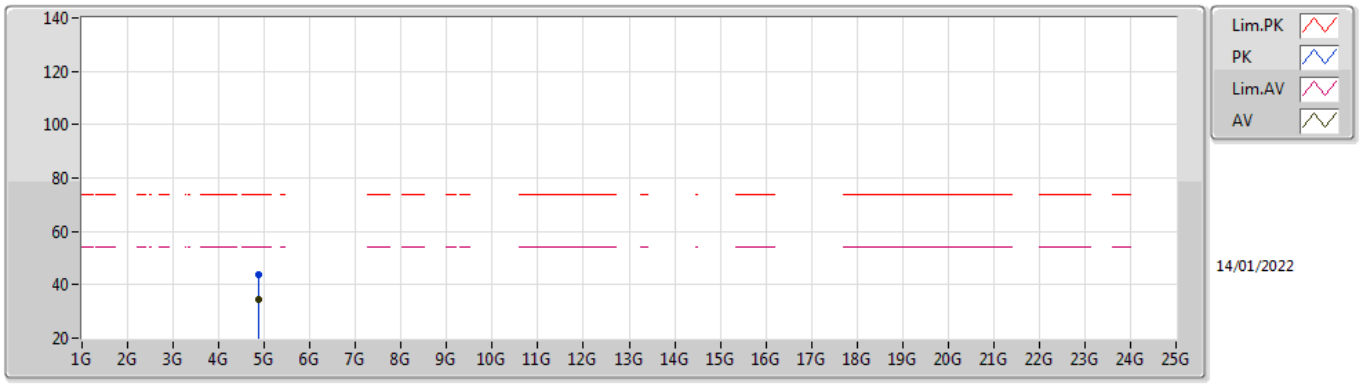
2437MHz_TX



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	2.3446G	47.57	54.00	-6.43	35.05	3	Horizontal	6	1.50	-	12.52	27.81	7.24	-
AV	2.4362G	104.04	Inf	-Inf	34.77	3	Horizontal	6	1.50	-	69.27	27.48	7.29	-
AV	2.495G	47.00	54.00	-7.00	34.74	3	Horizontal	6	1.50	-	12.26	27.40	7.34	-
PK	2.3534G	60.12	74.00	-13.88	35.03	3	Horizontal	6	1.50	-	25.09	27.79	7.24	-
PK	2.4362G	107.85	Inf	-Inf	34.77	3	Horizontal	6	1.50	-	73.08	27.48	7.29	-
PK	2.4874G	58.01	74.00	-15.99	34.73	3	Horizontal	6	1.50	-	23.28	27.40	7.33	-

802.11b_Nss1,(1Mbps)_2TX

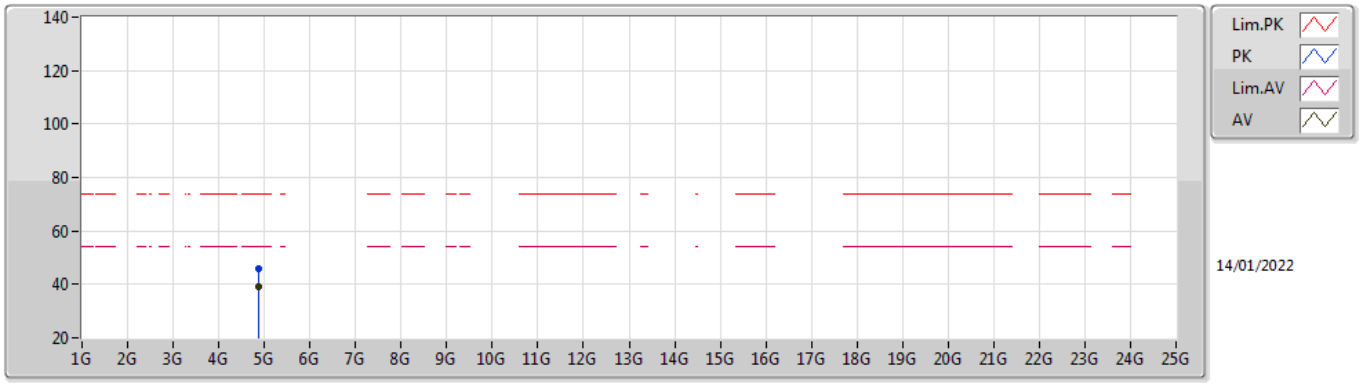
2437MHz_TX



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	4.874G	34.72	54.00	-19.28	6.00	3	Vertical	1	2.76	-	28.72	31.20	8.96	34.16
PK	4.87404G	44.03	74.00	-29.97	6.00	3	Vertical	1	2.76	-	38.03	31.20	8.96	34.16

802.11b_Nss1,(1Mbps)_2TX

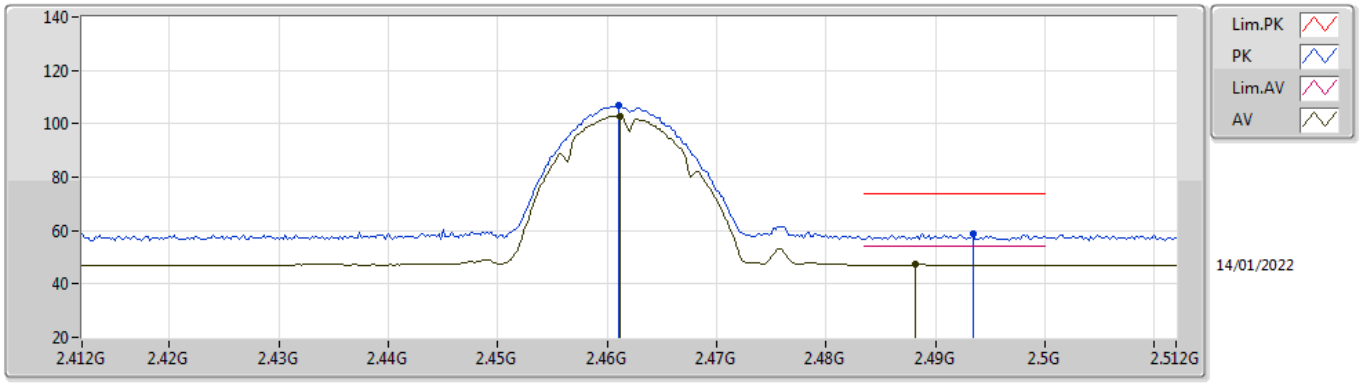
2437MHz_TX



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	4.87396G	39.05	54.00	-14.95	6.00	3	Horizontal	19	2.94	-	33.05	31.20	8.96	34.16
PK	4.874G	46.00	74.00	-28.00	6.00	3	Horizontal	19	2.94	-	40.00	31.20	8.96	34.16

802.11b_Nss1,(1Mbps)_2TX

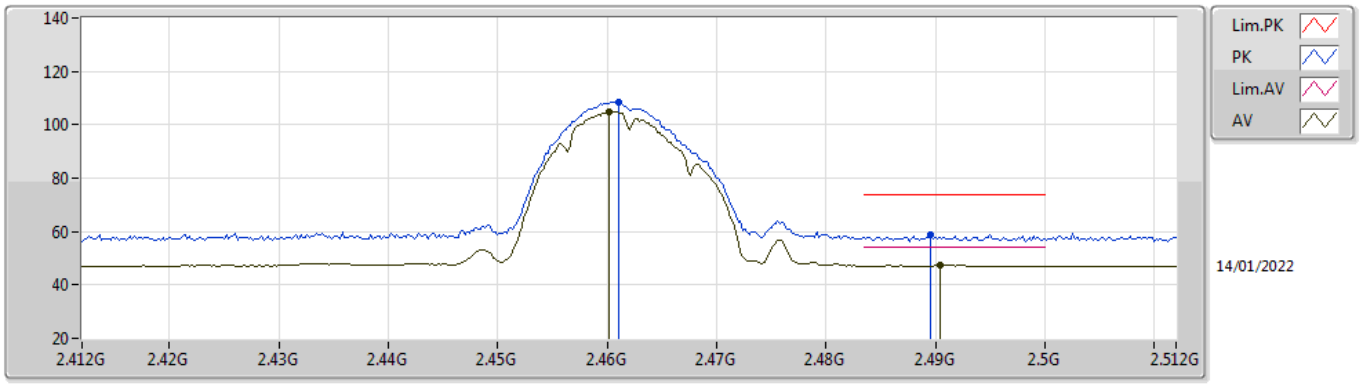
2462MHz_TX



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	2.4612G	102.91	Inf	-Inf	34.71	3	Vertical	134	3.00	-	68.20	27.40	7.31	-
AV	2.4882G	47.25	54.00	-6.75	34.73	3	Vertical	134	3.00	-	12.52	27.40	7.33	-
PK	2.461G	106.80	Inf	-Inf	34.71	3	Vertical	134	3.00	-	72.09	27.40	7.31	-
PK	2.4934G	58.80	74.00	-15.20	34.73	3	Vertical	134	3.00	-	24.07	27.40	7.33	-

802.11b_Nss1,(1Mbps)_2TX

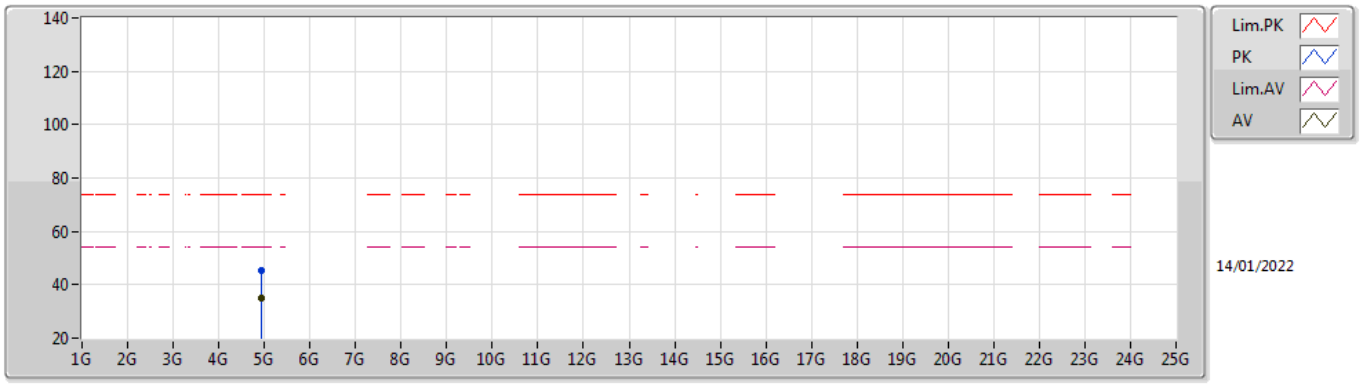
2462MHz_TX



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	2.4602G	104.80	Inf	-Inf	34.71	3	Horizontal	4	2.96	-	70.09	27.40	7.31	-
AV	2.4904G	47.26	54.00	-6.74	34.73	3	Horizontal	4	2.96	-	12.53	27.40	7.33	-
PK	2.461G	108.44	Inf	-Inf	34.71	3	Horizontal	4	2.96	-	73.73	27.40	7.31	-
PK	2.4896G	58.64	74.00	-15.36	34.73	3	Horizontal	4	2.96	-	23.91	27.40	7.33	-

802.11b_Nss1,(1Mbps)_2TX

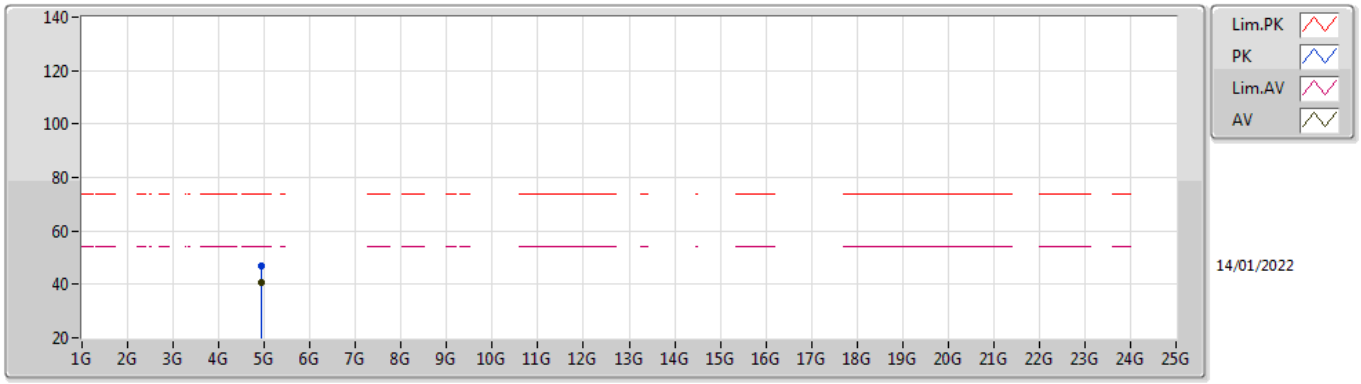
2462MHz_TX



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	4.92404G	34.89	54.00	-19.11	6.15	3	Vertical	131	2.52	-	28.74	31.30	8.99	34.14
PK	4.92392G	45.25	74.00	-28.75	6.15	3	Vertical	131	2.52	-	39.10	31.30	8.99	34.14

802.11b_Nss1,(1Mbps)_2TX

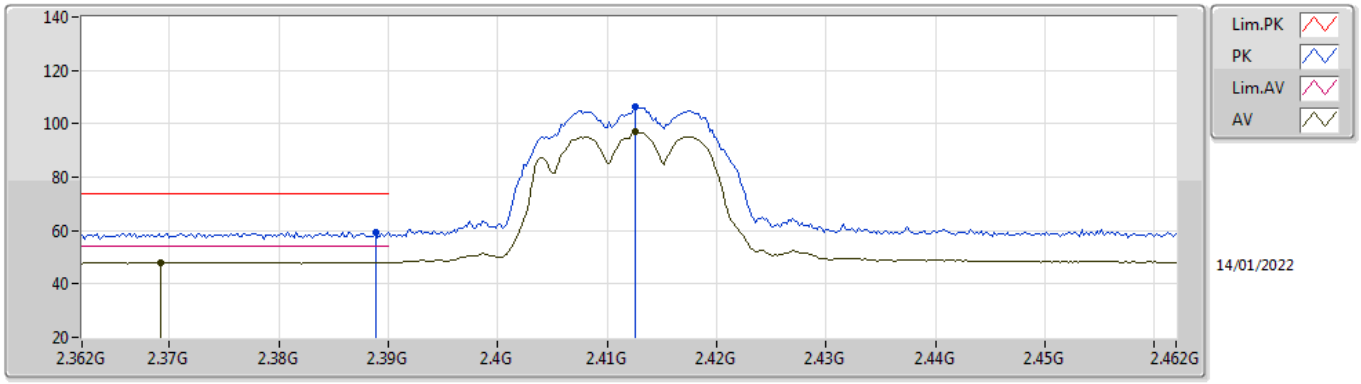
2462MHz_TX



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	40.51	54.00	-13.49	6.15	3	Horizontal	25	1.00	-	34.36	31.30	8.99	34.14
PK	4.92392G	47.05	74.00	-26.95	6.15	3	Horizontal	25	1.00	-	40.90	31.30	8.99	34.14

802.11g_Nss1,(6Mbps)_2TX

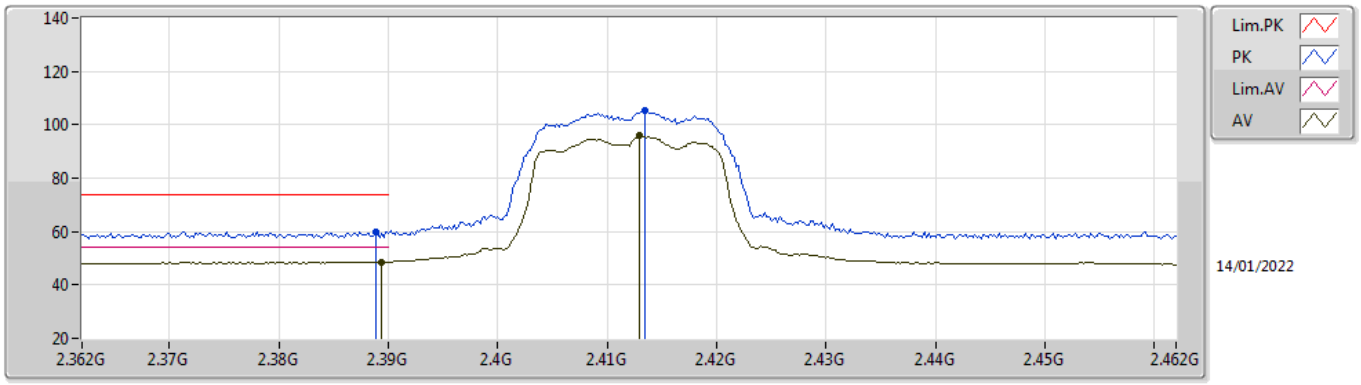
2412MHz_TX



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	2.3692G	48.14	54.00	-5.86	35.01	3	Vertical	90	3.00	-	13.13	27.76	7.25	-
AV	2.4126G	96.85	Inf	-Inf	34.89	3	Vertical	90	3.00	-	61.96	27.62	7.27	-
PK	2.3888G	59.55	74.00	-14.45	34.97	3	Vertical	90	3.00	-	24.58	27.72	7.25	-
PK	2.4126G	106.27	Inf	-Inf	34.89	3	Vertical	90	3.00	-	71.38	27.62	7.27	-

802.11g_Nss1,(6Mbps)_2TX

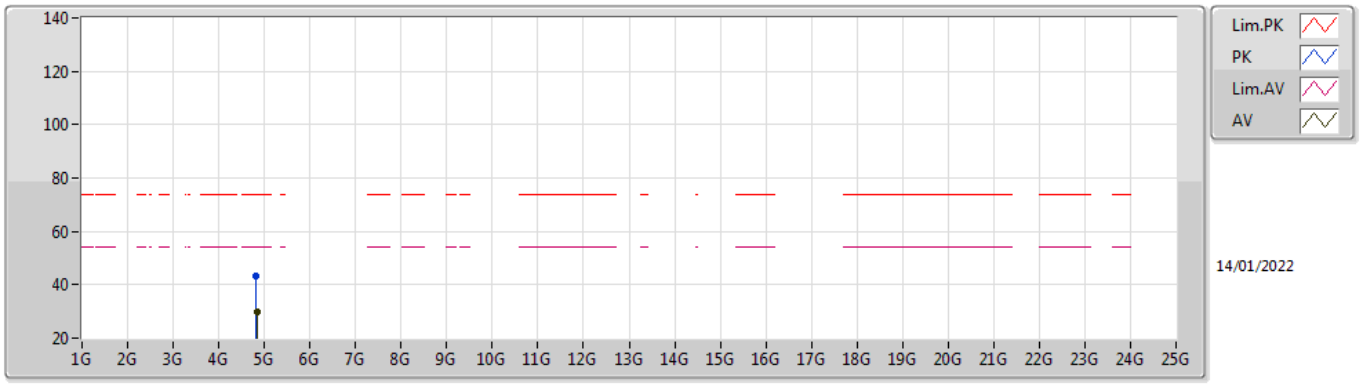
2412MHz_TX



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	2.3894G	48.67	54.00	-5.33	34.98	3	Horizontal	71	1.50	-	13.69	27.72	7.26	-
AV	2.413G	95.78	Inf	-Inf	34.89	3	Horizontal	71	1.50	-	60.89	27.62	7.27	-
PK	2.3888G	60.06	74.00	-13.94	34.97	3	Horizontal	71	1.50	-	25.09	27.72	7.25	-
PK	2.4134G	105.22	Inf	-Inf	34.89	3	Horizontal	71	1.50	-	70.33	27.62	7.27	-

802.11g_Nss1,(6Mbps)_2TX

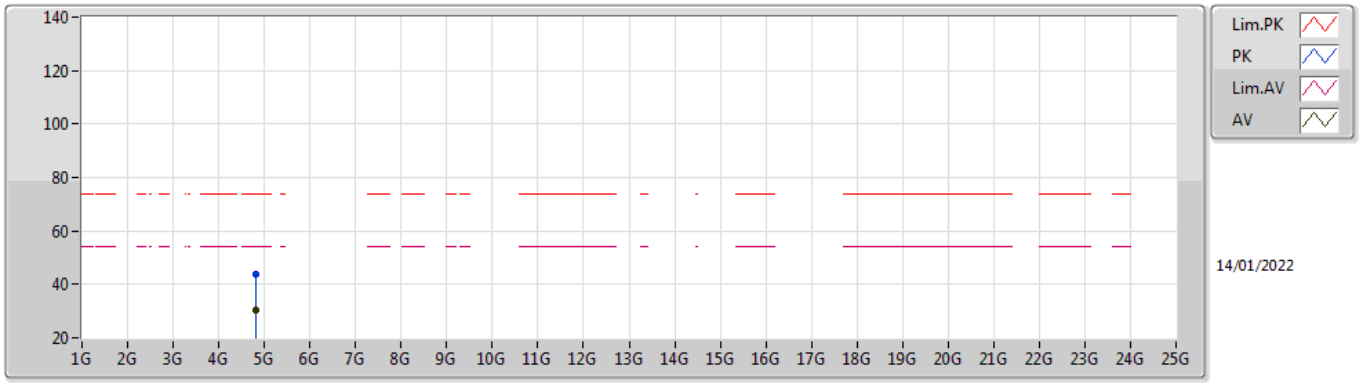
2412MHz_TX



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	4.83172G	30.06	54.00	-23.94	5.90	3	Vertical	76	2.39	-	24.16	31.16	8.92	34.18
PK	4.82152G	43.46	74.00	-30.54	5.87	3	Vertical	76	2.39	-	37.59	31.14	8.92	34.19

802.11g_Nss1,(6Mbps)_2TX

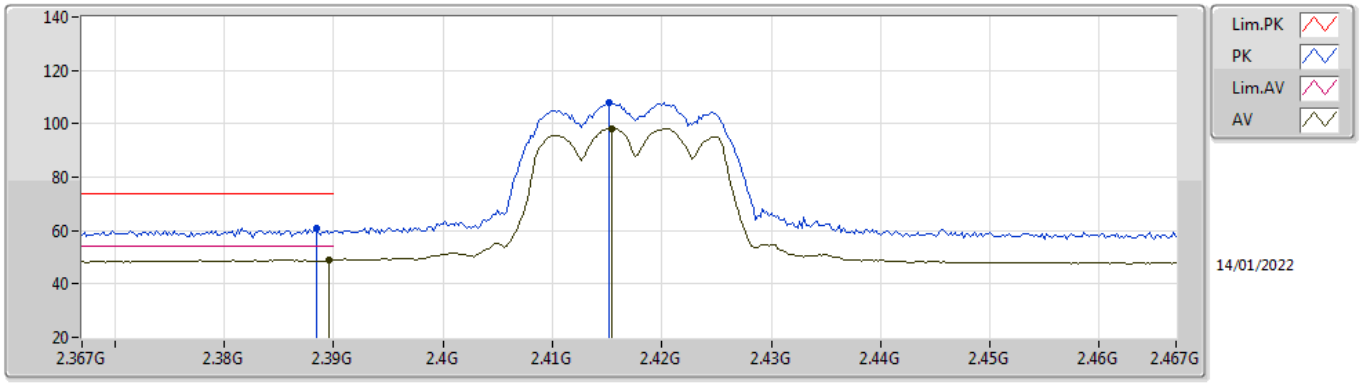
2412MHz_TX



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	4.81868G	30.24	54.00	-23.76	5.86	3	Horizontal	292	1.50	-	24.38	31.14	8.91	34.19
PK	4.81816G	43.69	74.00	-30.31	5.86	3	Horizontal	292	1.50	-	37.83	31.14	8.91	34.19

802.11g_Nss1,(6Mbps)_2TX

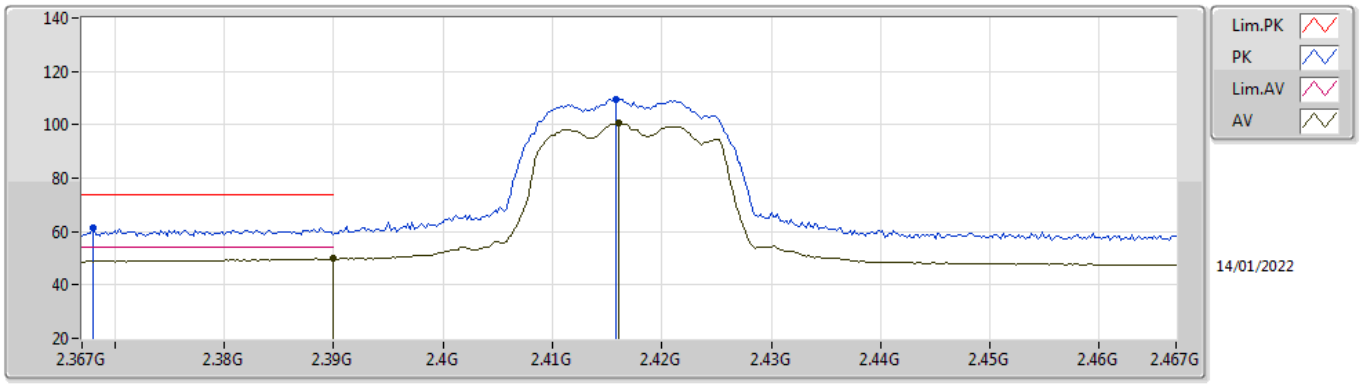
2417MHz_TX



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	2.3896G	49.02	54.00	-4.98	34.98	3	Vertical	100	2.73	-	14.04	27.72	7.26	-
AV	2.4154G	98.30	Inf	-Inf	34.88	3	Vertical	100	2.73	-	63.42	27.61	7.27	-
PK	2.3884G	60.94	74.00	-13.06	34.97	3	Vertical	100	2.73	-	25.97	27.72	7.25	-
PK	2.4152G	107.82	Inf	-Inf	34.88	3	Vertical	100	2.73	-	72.94	27.61	7.27	-

802.11g_Nss1,(6Mbps)_2TX

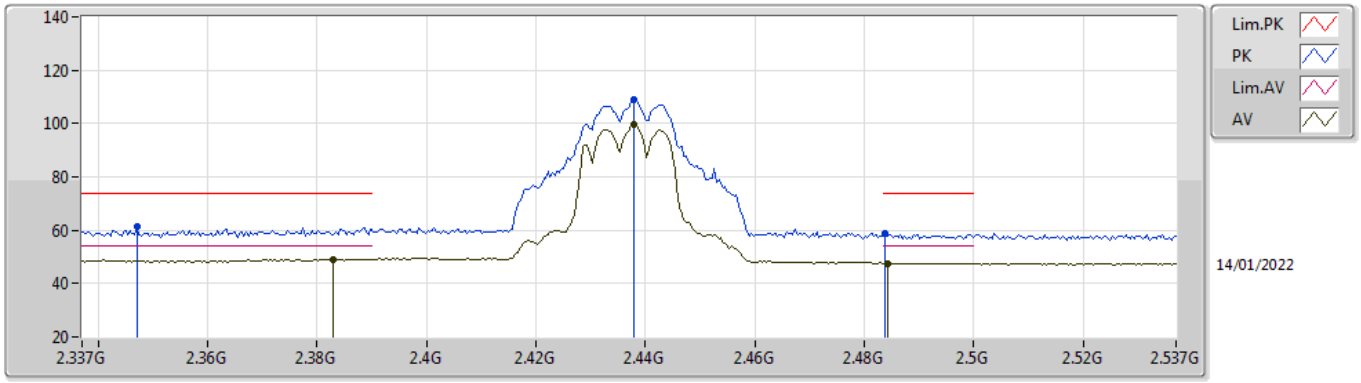
2417MHz_TX



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	49.83	54.00	-4.17	34.98	3	Horizontal	22	2.73	-	14.85	27.72	7.26	-
AV	2.416G	100.80	Inf	-Inf	34.87	3	Horizontal	22	2.73	-	65.93	27.60	7.27	-
PK	2.368G	61.40	74.00	-12.60	35.01	3	Horizontal	22	2.73	-	26.39	27.76	7.25	-
PK	2.4158G	109.72	Inf	-Inf	34.88	3	Horizontal	22	2.73	-	74.84	27.61	7.27	-

802.11g_Nss1,(6Mbps)_2TX

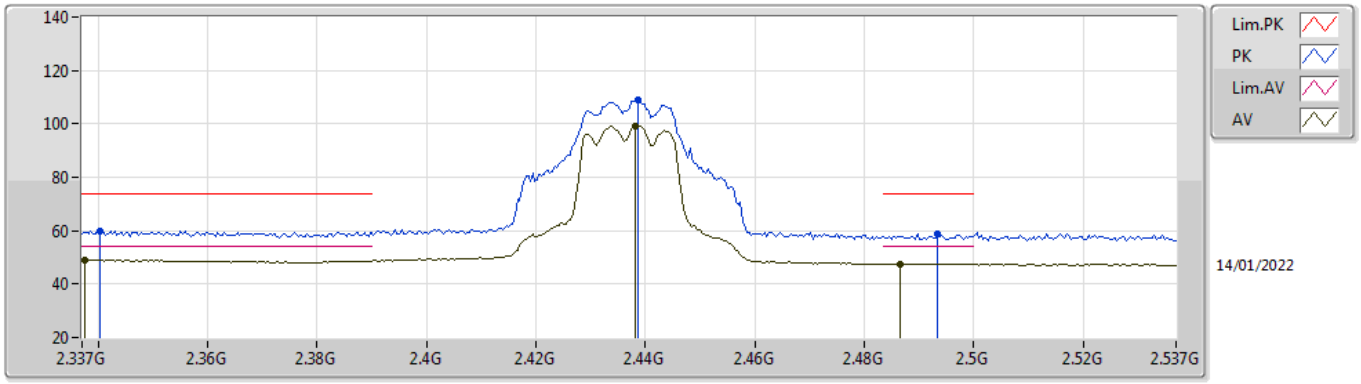
2437MHz_TX



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	2.383G	49.18	54.00	-4.82	34.98	3	Vertical	86	2.74	-	14.20	27.73	7.25	-
AV	2.4378G	99.73	Inf	-Inf	34.76	3	Vertical	86	2.74	-	64.97	27.47	7.29	-
AV	2.4842G	47.67	54.00	-6.33	34.73	3	Vertical	86	2.74	-	12.94	27.40	7.33	-
PK	2.347G	61.27	74.00	-12.73	35.05	3	Vertical	86	2.74	-	26.22	27.81	7.24	-
PK	2.4378G	108.79	Inf	-Inf	34.76	3	Vertical	86	2.74	-	74.03	27.47	7.29	-
PK	2.4838G	58.73	74.00	-15.27	34.73	3	Vertical	86	2.74	-	24.00	27.40	7.33	-

802.11g_Nss1,(6Mbps)_2TX

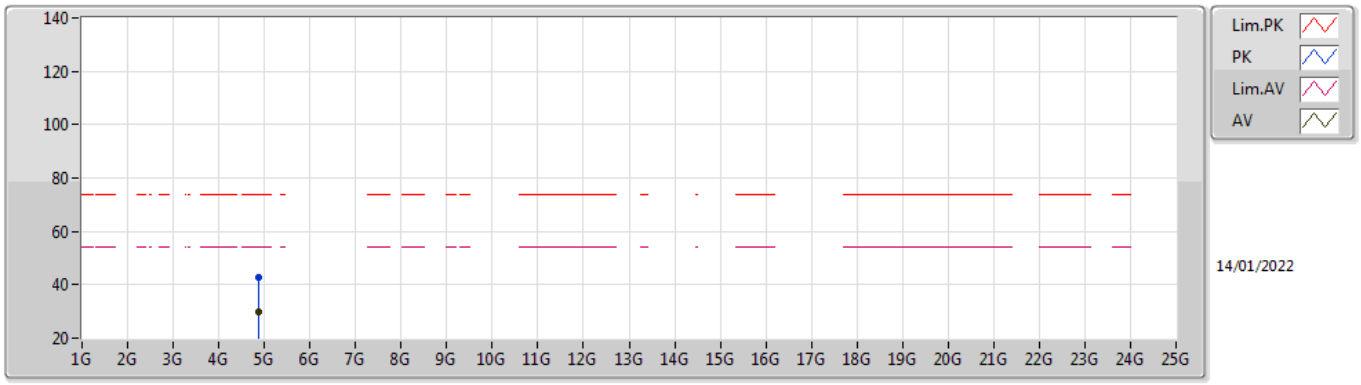
2437MHz_TX



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	2.3374G	49.17	54.00	-4.83	35.06	3	Horizontal	24	3.00	-	14.11	27.83	7.23	-
AV	2.4382G	99.30	Inf	-Inf	34.76	3	Horizontal	24	3.00	-	64.54	27.47	7.29	-
AV	2.4866G	47.58	54.00	-6.42	34.73	3	Horizontal	24	3.00	-	12.85	27.40	7.33	-
PK	2.3402G	59.96	74.00	-14.04	35.05	3	Horizontal	24	3.00	-	24.91	27.82	7.23	-
PK	2.4386G	108.86	Inf	-Inf	34.76	3	Horizontal	24	3.00	-	74.10	27.47	7.29	-
PK	2.4934G	58.86	74.00	-15.14	34.73	3	Horizontal	24	3.00	-	24.13	27.40	7.33	-

802.11g_Nss1,(6Mbps)_2TX

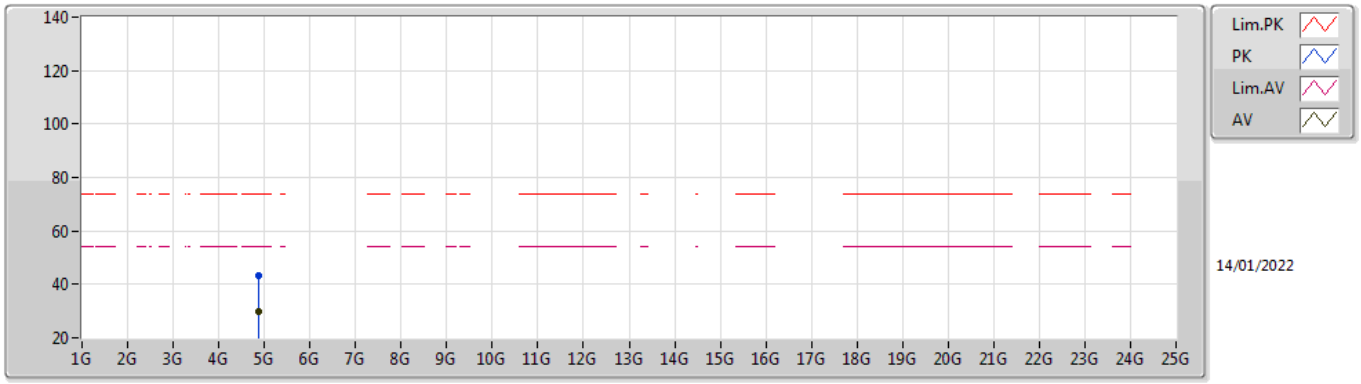
2437MHz_TX



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	4.87608G	30.03	54.00	-23.97	6.00	3	Vertical	136	2.93	-	24.03	31.20	8.96	34.16
PK	4.8702G	42.59	74.00	-31.41	5.99	3	Vertical	136	2.93	-	36.60	31.20	8.95	34.16

802.11g_Nss1,(6Mbps)_2TX

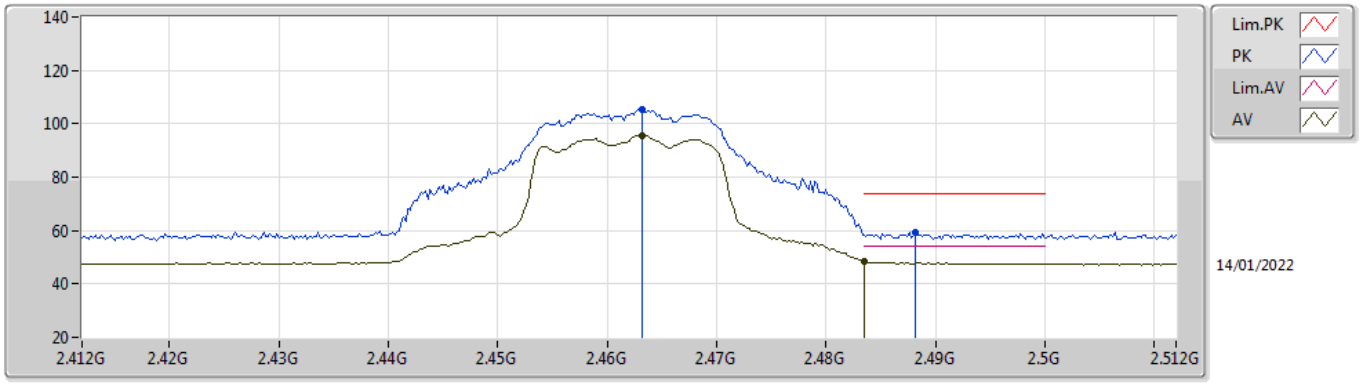
2437MHz_TX



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	4.87584G	30.01	54.00	-23.99	6.00	3	Horizontal	43	2.53	-	24.01	31.20	8.96	34.16
PK	4.86432G	43.35	74.00	-30.65	5.98	3	Horizontal	43	2.53	-	37.37	31.20	8.95	34.17

802.11g_Nss1,(6Mbps)_2TX

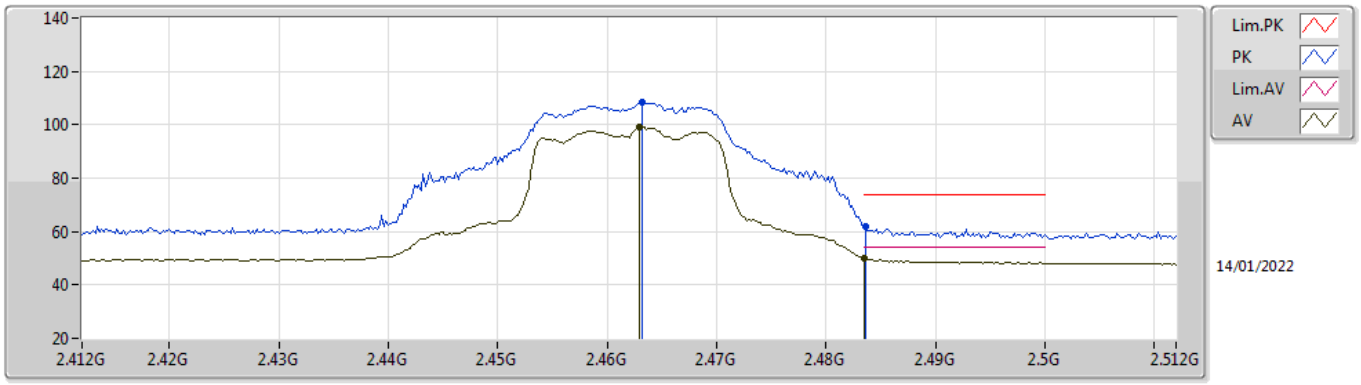
2462MHz_TX



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	2.4632G	95.75	Inf	-Inf	34.71	3	Vertical	154	3.00	-	61.04	27.40	7.31	-
AV	2.4835G	48.24	54.00	-5.76	34.73	3	Vertical	154	3.00	-	13.51	27.40	7.33	-
PK	2.4632G	105.47	Inf	-Inf	34.71	3	Vertical	154	3.00	-	70.76	27.40	7.31	-
PK	2.4882G	59.38	74.00	-14.62	34.73	3	Vertical	154	3.00	-	24.65	27.40	7.33	-

802.11g_Nss1,(6Mbps)_2TX

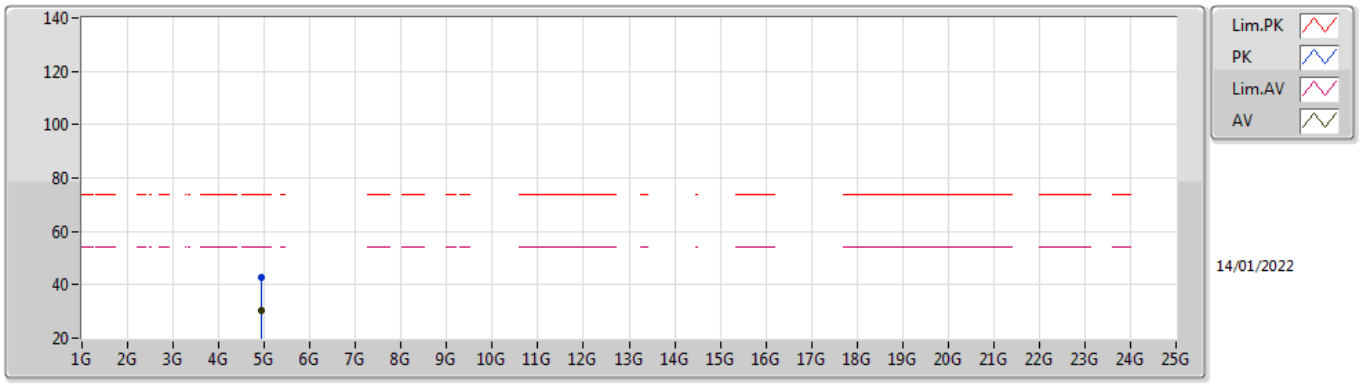
2462MHz_TX



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	99.21	Inf	-Inf	34.71	3	Horizontal	76	1.50	-	64.50	27.40	7.31	-
AV	2.4835G	49.96	54.00	-4.04	34.73	3	Horizontal	76	1.50	-	15.23	27.40	7.33	-
PK	2.4632G	108.28	Inf	-Inf	34.71	3	Horizontal	76	1.50	-	73.57	27.40	7.31	-
PK	2.4836G	61.71	74.00	-12.29	34.73	3	Horizontal	76	1.50	-	26.98	27.40	7.33	-

802.11g_Nss1,(6Mbps)_2TX

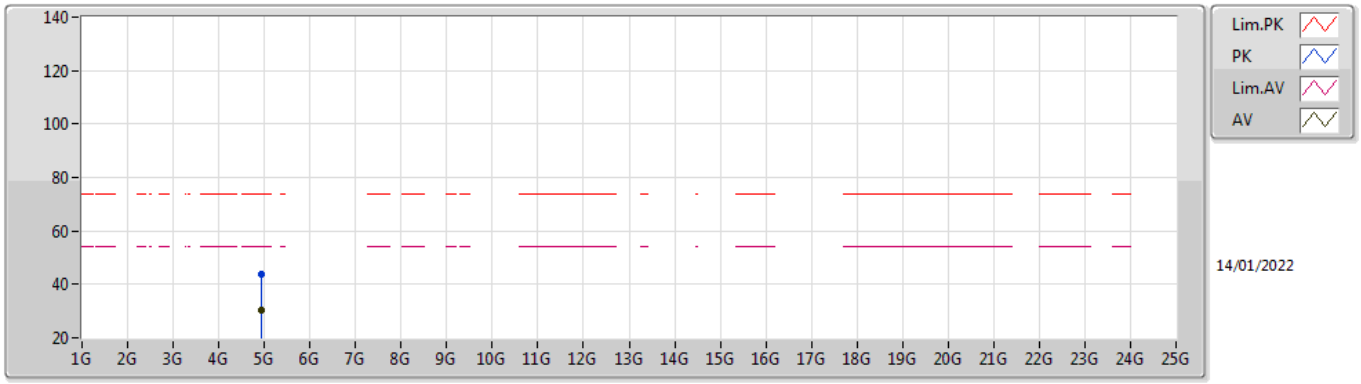
2462MHz_TX



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	4.92328G	30.25	54.00	-23.75	6.14	3	Vertical	279	1.87	-	24.11	31.29	8.99	34.14
PK	4.92712G	42.63	74.00	-31.37	6.18	3	Vertical	279	1.87	-	36.45	31.31	9.00	34.13

802.11g_Nss1,(6Mbps)_2TX

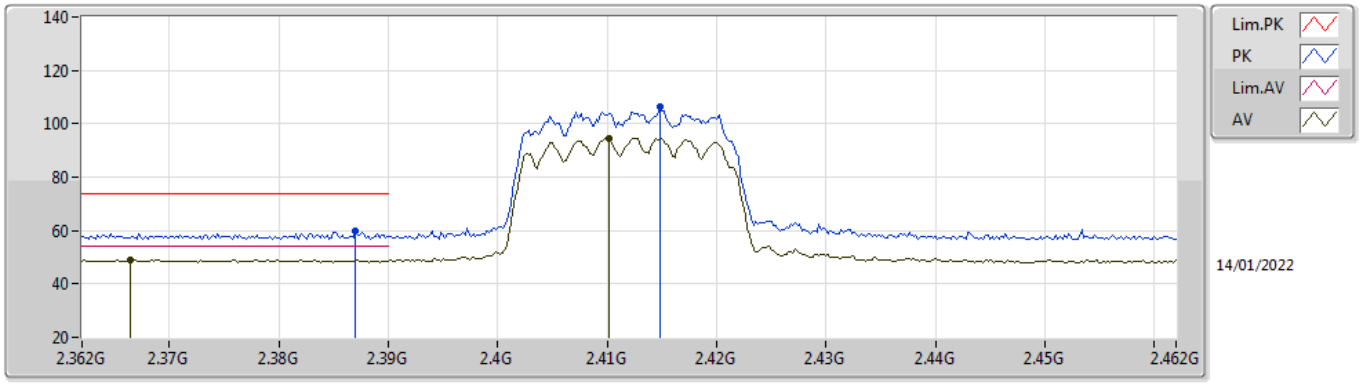
2462MHz_TX



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	4.92348G	30.51	54.00	-23.49	6.14	3	Horizontal	193	1.77	-	24.37	31.29	8.99	34.14
PK	4.92528G	43.69	74.00	-30.31	6.15	3	Horizontal	193	1.77	-	37.54	31.30	8.99	34.14

802.11ax HEW20_Nss1,(MCS0)_2TX

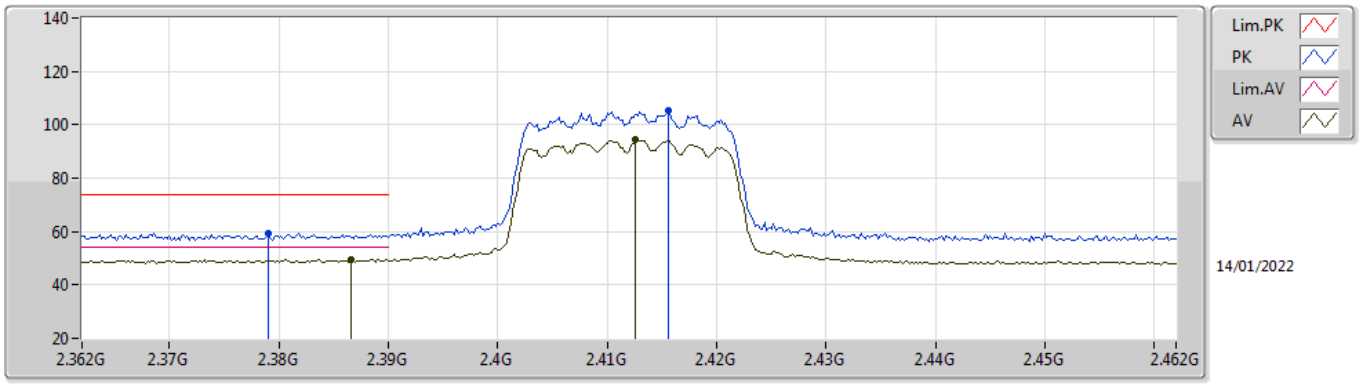
2412MHz_TX



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	2.3664G	49.16	54.00	-4.84	35.01	3	Vertical	90	3.00	-	14.15	27.77	7.24	-
AV	2.4102G	94.61	Inf	-Inf	34.91	3	Vertical	90	3.00	-	59.70	27.64	7.27	-
PK	2.387G	59.57	74.00	-14.43	34.98	3	Vertical	90	3.00	-	24.59	27.73	7.25	-
PK	2.4148G	106.27	Inf	-Inf	34.88	3	Vertical	90	3.00	-	71.39	27.61	7.27	-

802.11ax HEW20_Nss1,(MCS0)_2TX

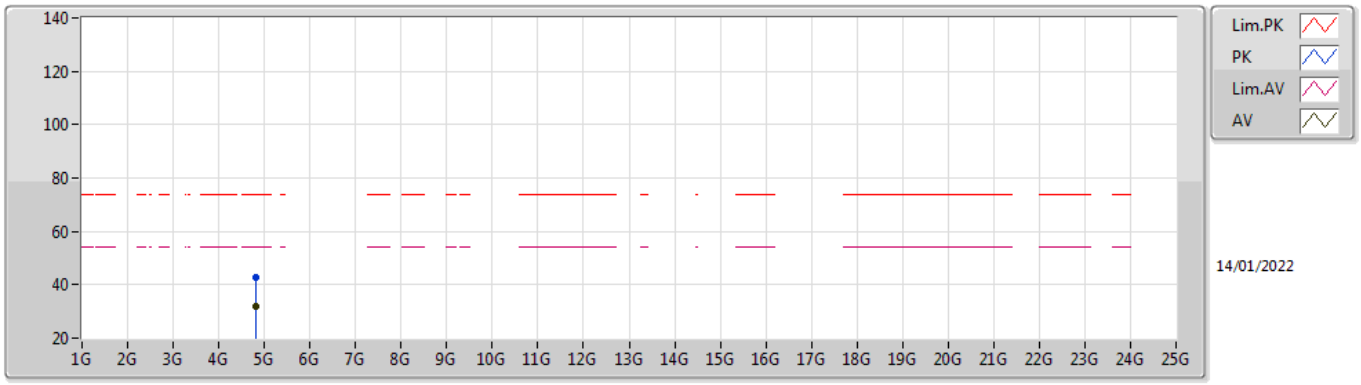
2412MHz_TX



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	2.3866G	49.73	54.00	-4.27	34.98	3	Horizontal	21	1.33	-	14.75	27.73	7.25	-
AV	2.4126G	94.37	Inf	-Inf	34.89	3	Horizontal	21	1.33	-	59.48	27.62	7.27	-
PK	2.379G	59.18	74.00	-14.82	34.99	3	Horizontal	21	1.33	-	24.19	27.74	7.25	-
PK	2.4156G	105.56	Inf	-Inf	34.88	3	Horizontal	21	1.33	-	70.68	27.61	7.27	-

802.11ax HEW20_Nss1,(MCS0)_2TX

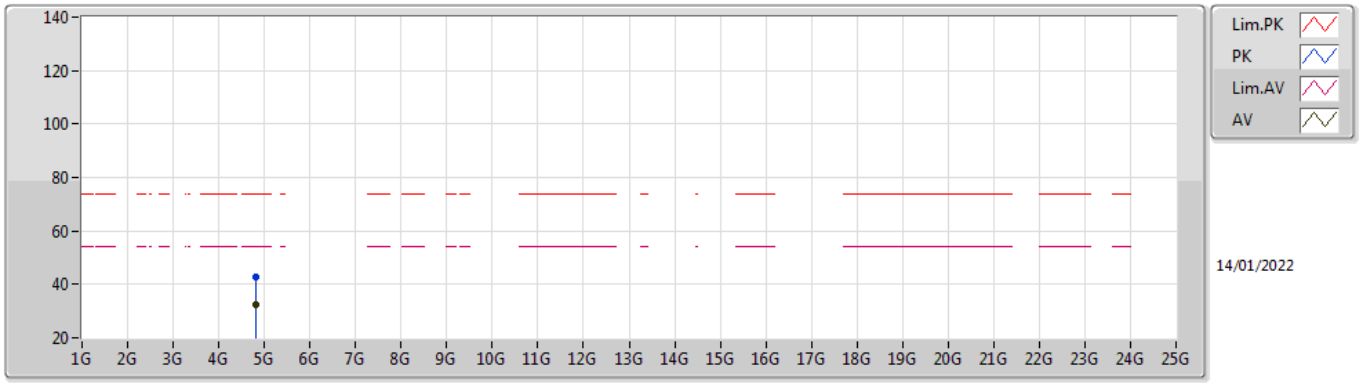
2412MHz_TX



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	4.82328G	31.87	54.00	-22.13	5.89	3	Vertical	228	1.53	-	25.98	31.15	8.92	34.18
PK	4.82516G	42.58	74.00	-31.42	5.89	3	Vertical	228	1.53	-	36.69	31.15	8.92	34.18

802.11ax HEW20_Nss1,(MCS0)_2TX

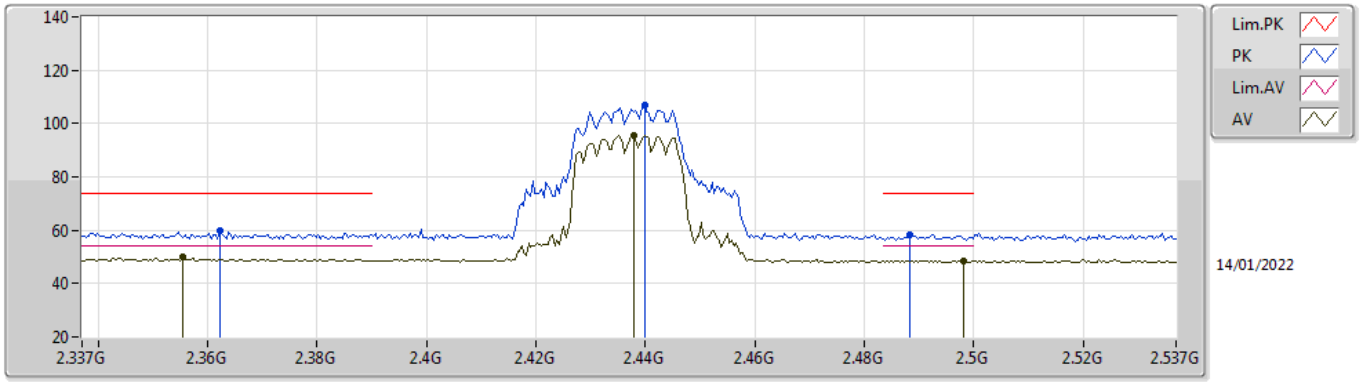
2412MHz_TX



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	4.81692G	32.34	54.00	-21.66	5.85	3	Horizontal	87	1.57	-	26.49	31.13	8.91	34.19
PK	4.82208G	43.00	74.00	-31.00	5.87	3	Horizontal	87	1.57	-	37.13	31.14	8.92	34.19

802.11ax HEW20_Nss1,(MCS0)_2TX

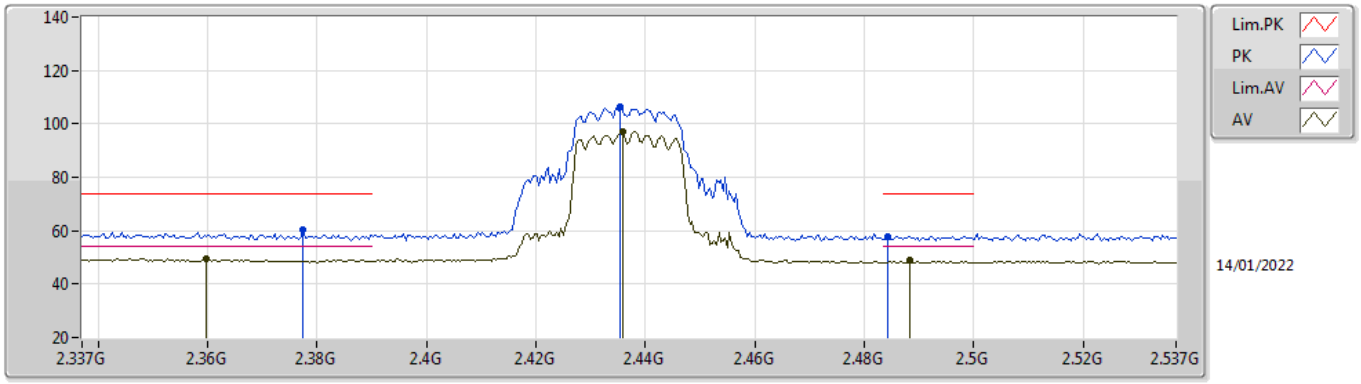
2437MHz_TX



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	2.3554G	50.02	54.00	-3.98	35.03	3	Vertical	84	2.67	-	14.99	27.79	7.24	-
AV	2.4378G	95.68	Inf	-Inf	34.76	3	Vertical	84	2.67	-	60.92	27.47	7.29	-
AV	2.4982G	48.62	54.00	-5.38	34.74	3	Vertical	84	2.67	-	13.88	27.40	7.34	-
PK	2.3622G	59.67	74.00	-14.33	35.02	3	Vertical	84	2.67	-	24.65	27.78	7.24	-
PK	2.4398G	107.11	Inf	-Inf	34.75	3	Vertical	84	2.67	-	72.36	27.46	7.29	-
PK	2.4882G	58.46	74.00	-15.54	34.73	3	Vertical	84	2.67	-	23.73	27.40	7.33	-

802.11ax HEW20_Nss1,(MCS0)_2TX

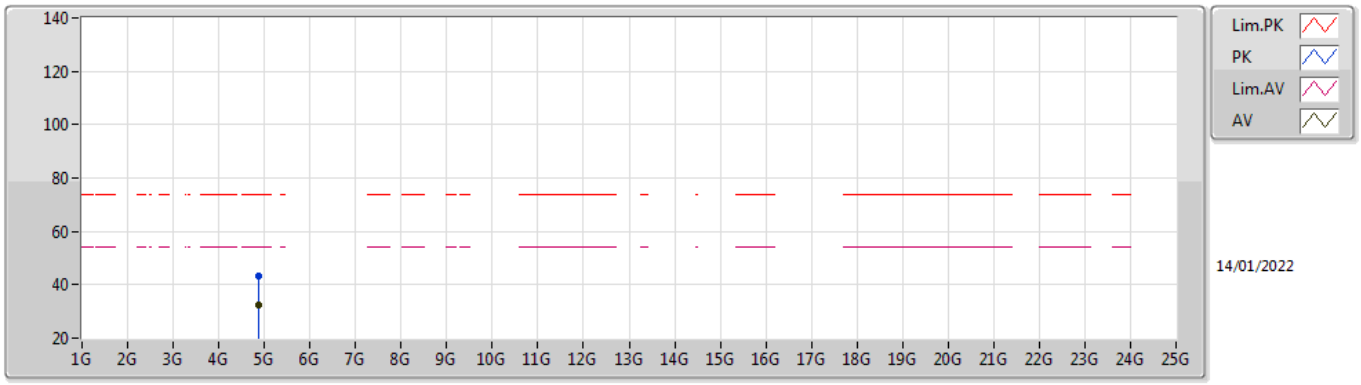
2437MHz_TX



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	2.3598G	49.47	54.00	-4.53	35.02	3	Horizontal	27	3.00	-	14.45	27.78	7.24	-
AV	2.4358G	97.16	Inf	-Inf	34.78	3	Horizontal	27	3.00	-	62.38	27.49	7.29	-
AV	2.4882G	48.77	54.00	-5.23	34.73	3	Horizontal	27	3.00	-	14.04	27.40	7.33	-
PK	2.3774G	60.22	74.00	-13.78	35.00	3	Horizontal	27	3.00	-	25.22	27.75	7.25	-
PK	2.4354G	106.56	Inf	-Inf	34.78	3	Horizontal	27	3.00	-	71.78	27.49	7.29	-
PK	2.4842G	57.93	74.00	-16.07	34.73	3	Horizontal	27	3.00	-	23.20	27.40	7.33	-

802.11ax HEW20_Nss1,(MCS0)_2TX

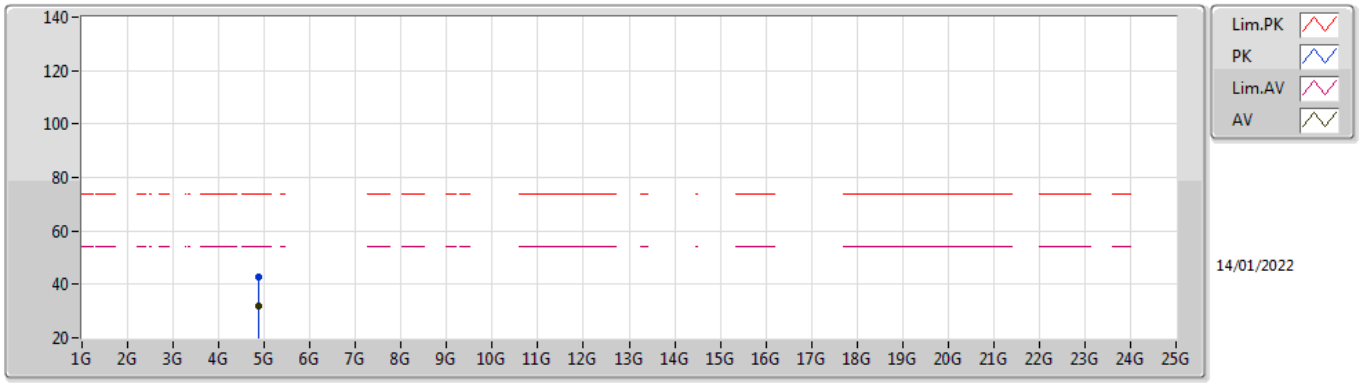
2437MHz_TX



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	4.87964G	32.29	54.00	-21.71	6.00	3	Vertical	19	1.71	-	26.29	31.20	8.96	34.16
PK	4.88264G	43.10	74.00	-30.90	6.00	3	Vertical	19	1.71	-	37.10	31.20	8.96	34.16

802.11ax HEW20_Nss1,(MCS0)_2TX

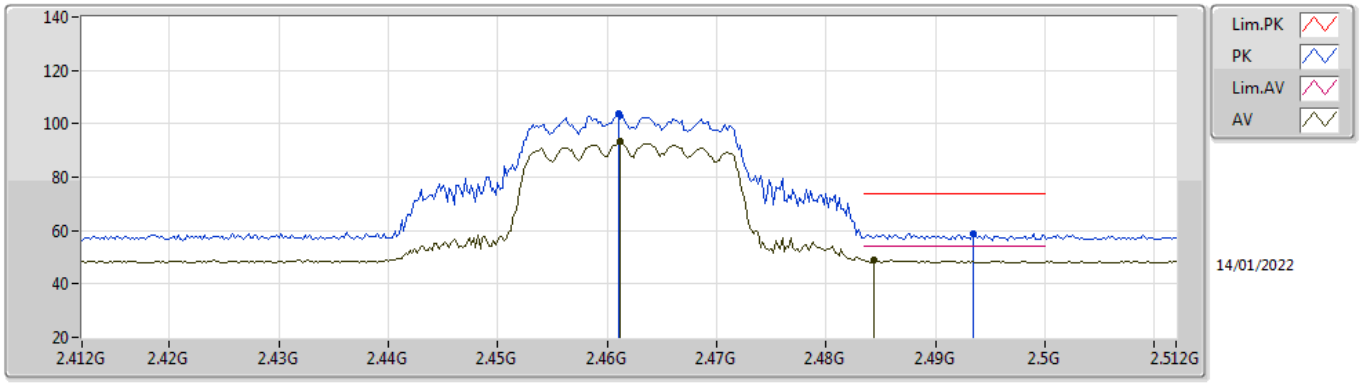
2437MHz_TX



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	4.88308G	32.06	54.00	-21.94	6.00	3	Horizontal	245	2.79	-	26.06	31.20	8.96	34.16
PK	4.86756G	42.78	74.00	-31.22	5.99	3	Horizontal	245	2.79	-	36.79	31.20	8.95	34.16

802.11ax HEW20_Nss1,(MCS0)_2TX

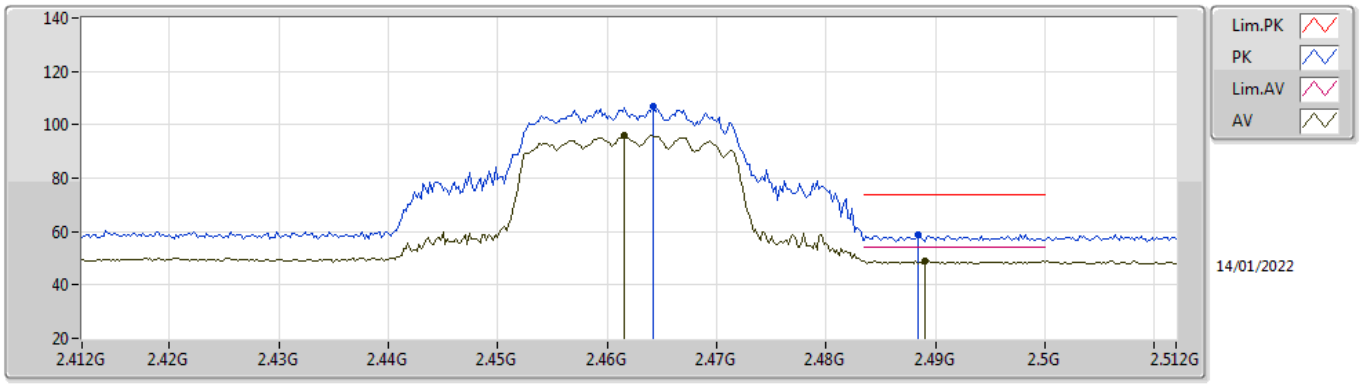
2462MHz_TX



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	2.4612G	93.21	Inf	-Inf	34.71	3	Vertical	140	3.00	-	58.50	27.40	7.31	-
AV	2.4844G	48.96	54.00	-5.04	34.73	3	Vertical	140	3.00	-	14.23	27.40	7.33	-
PK	2.461G	103.60	Inf	-Inf	34.71	3	Vertical	140	3.00	-	68.89	27.40	7.31	-
PK	2.4934G	58.90	74.00	-15.10	34.73	3	Vertical	140	3.00	-	24.17	27.40	7.33	-

802.11ax HEW20_Nss1,(MCS0)_2TX

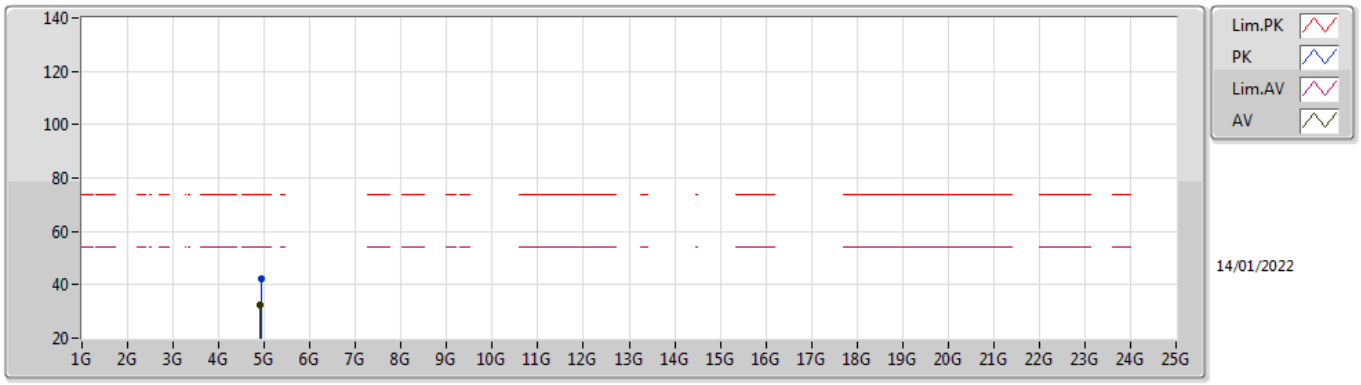
2462MHz_TX



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	2.4616G	95.95	Inf	-Inf	34.71	3	Horizontal	44	1.55	-	61.24	27.40	7.31	-
AV	2.489G	48.99	54.00	-5.01	34.73	3	Horizontal	44	1.55	-	14.26	27.40	7.33	-
PK	2.4642G	106.66	Inf	-Inf	34.71	3	Horizontal	44	1.55	-	71.95	27.40	7.31	-
PK	2.4884G	58.86	74.00	-15.14	34.73	3	Horizontal	44	1.55	-	24.13	27.40	7.33	-

802.11ax HEW20_Nss1,(MCS0)_2TX

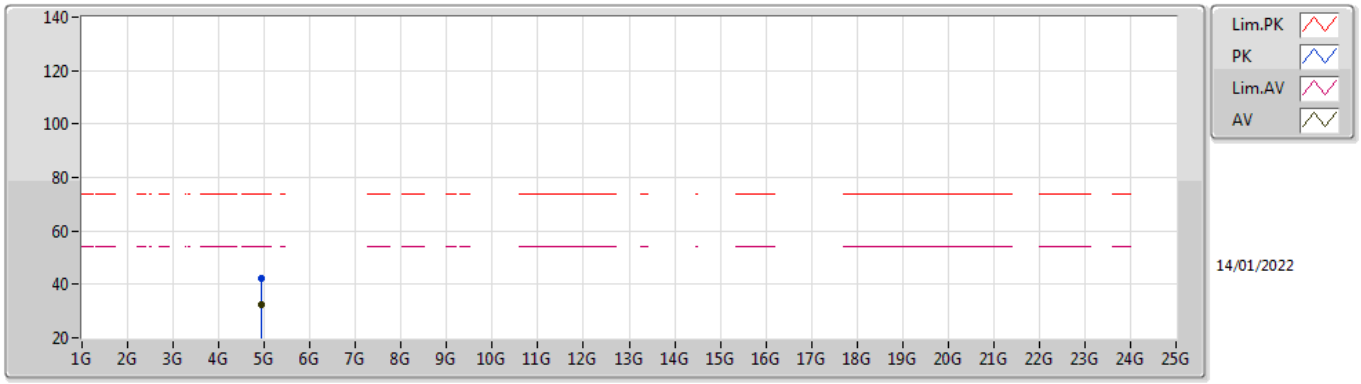
2462MHz_TX



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	4.91564G	32.24	54.00	-21.76	6.11	3	Vertical	7	2.55	-	26.13	31.26	8.99	34.14
PK	4.92796G	42.32	74.00	-31.68	6.18	3	Vertical	7	2.55	-	36.14	31.31	9.00	34.13

802.11ax HEW20_Nss1,(MCS0)_2TX

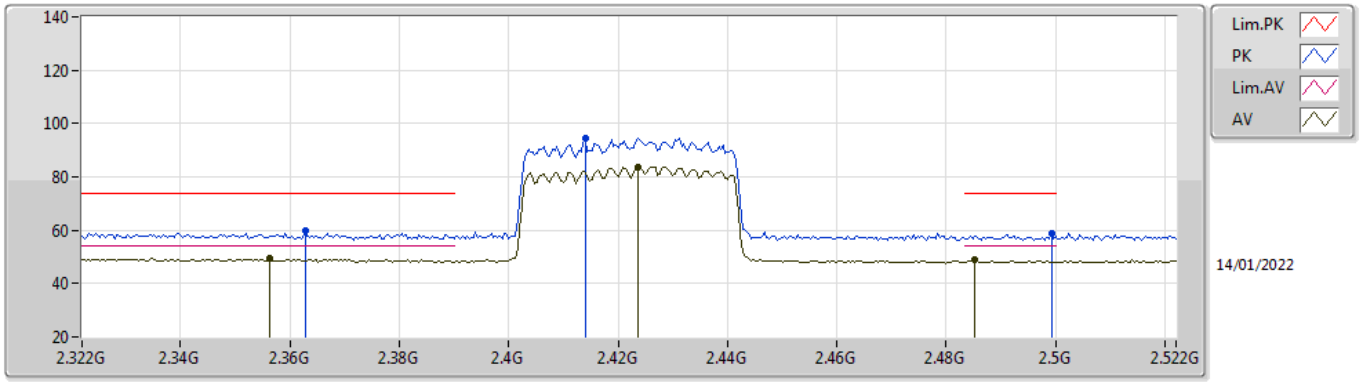
2462MHz_TX



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	4.92828G	32.16	54.00	-21.84	6.18	3	Horizontal	345	1.91	-	25.98	31.31	9.00	34.13
PK	4.92504G	42.46	74.00	-31.54	6.15	3	Horizontal	345	1.91	-	36.31	31.30	8.99	34.14

802.11ax HEW40_Nss1,(MCS0)_2TX

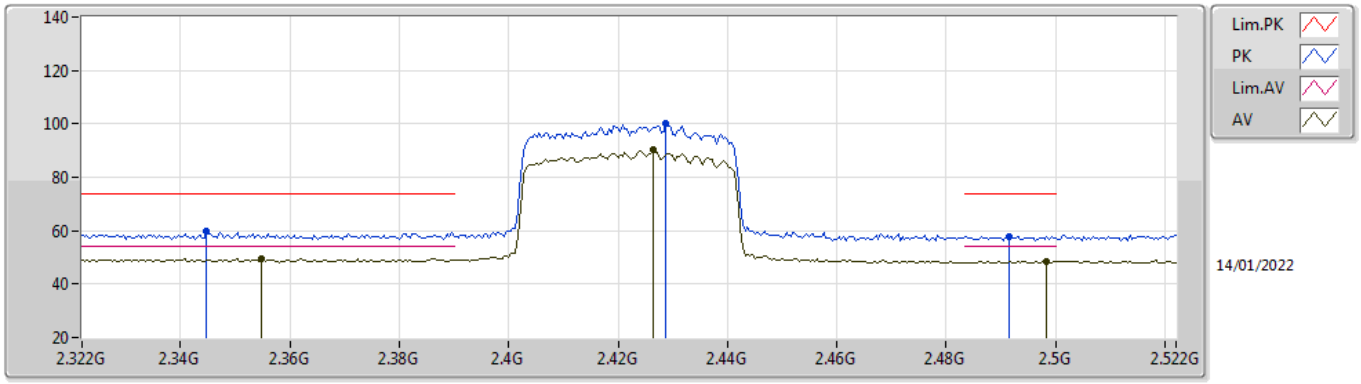
2422MHz_TX



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	2.3564G	49.28	54.00	-4.72	35.03	3	Vertical	141	2.74	-	14.25	27.79	7.24	-
AV	2.4236G	83.87	Inf	-Inf	34.84	3	Vertical	141	2.74	-	49.03	27.56	7.28	-
AV	2.4852G	48.86	54.00	-5.14	34.73	3	Vertical	141	2.74	-	14.13	27.40	7.33	-
PK	2.3628G	59.83	74.00	-14.17	35.01	3	Vertical	141	2.74	-	24.82	27.77	7.24	-
PK	2.414G	94.53	Inf	-Inf	34.89	3	Vertical	141	2.74	-	59.64	27.62	7.27	-
PK	2.4992G	58.95	74.00	-15.05	34.74	3	Vertical	141	2.74	-	24.21	27.40	7.34	-

802.11ax HEW40_Nss1,(MCS0)_2TX

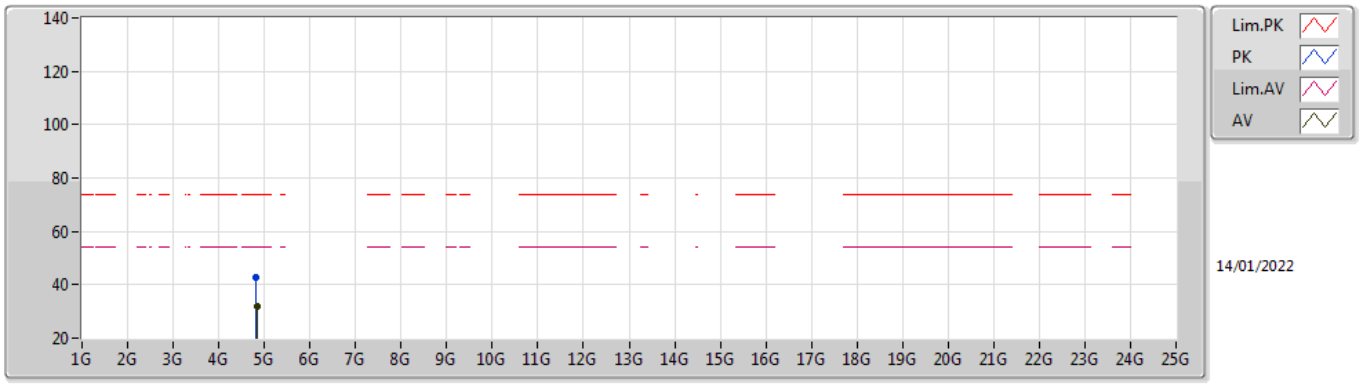
2422MHz_TX



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	2.3548G	49.64	54.00	-4.36	35.03	3	Horizontal	42	2.19	-	14.61	27.79	7.24	-
AV	2.4264G	90.48	Inf	-Inf	34.82	3	Horizontal	42	2.19	-	55.66	27.54	7.28	-
AV	2.4984G	48.59	54.00	-5.41	34.74	3	Horizontal	42	2.19	-	13.85	27.40	7.34	-
PK	2.3448G	59.75	74.00	-14.25	35.05	3	Horizontal	42	2.19	-	24.70	27.81	7.24	-
PK	2.4288G	100.35	Inf	-Inf	34.81	3	Horizontal	42	2.19	-	65.54	27.53	7.28	-
PK	2.4916G	57.91	74.00	-16.09	34.73	3	Horizontal	42	2.19	-	23.18	27.40	7.33	-

802.11ax HEW40_Nss1,(MCS0)_2TX

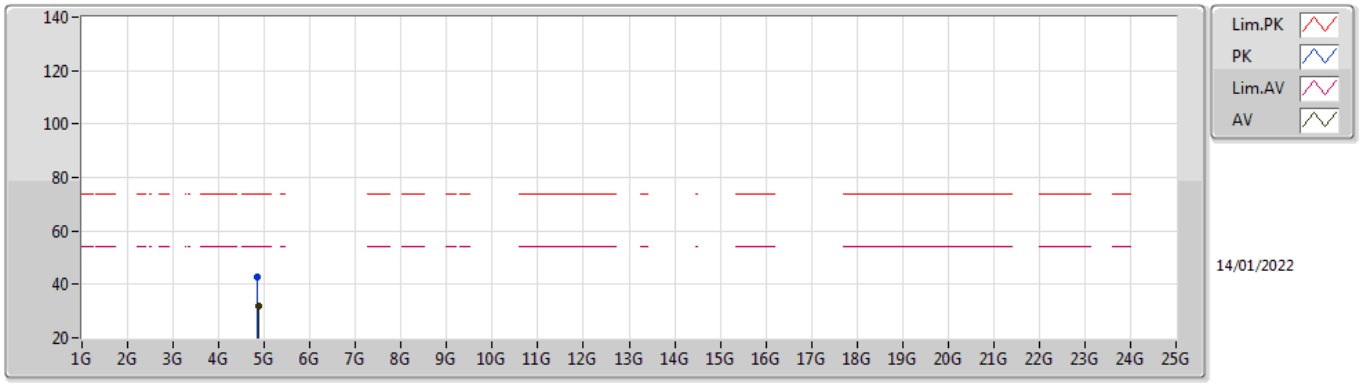
2422MHz_TX



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	4.84488G	31.91	54.00	-22.09	5.95	3	Vertical	219	2.35	-	25.96	31.19	8.93	34.17
PK	4.82528G	42.82	74.00	-31.18	5.89	3	Vertical	219	2.35	-	36.93	31.15	8.92	34.18

802.11ax HEW40_Nss1,(MCS0)_2TX

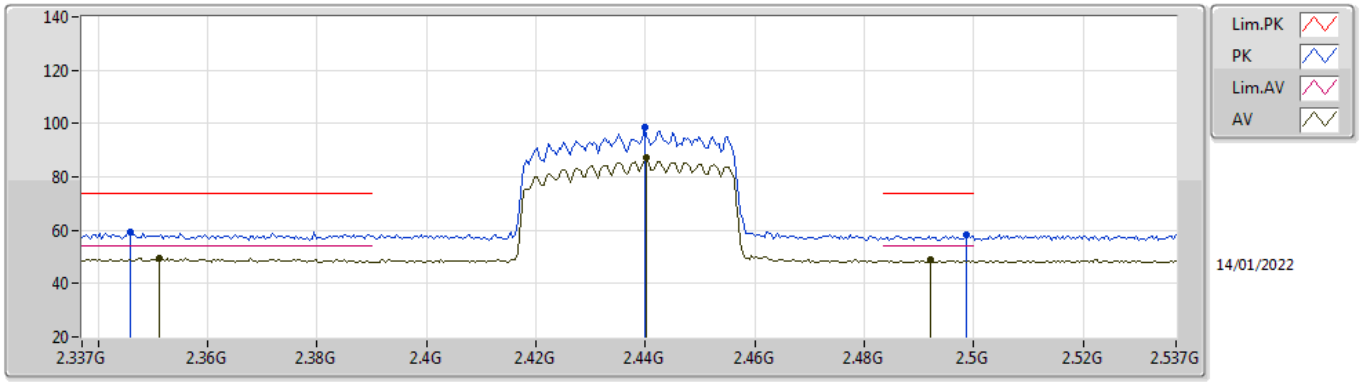
2422MHz_TX



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	4.86328G	31.93	54.00	-22.07	5.98	3	Horizontal	182	2.24	-	25.95	31.20	8.95	34.17
PK	4.83112G	43.00	74.00	-31.00	5.90	3	Horizontal	182	2.24	-	37.10	31.16	8.92	34.18

802.11ax HEW40_Nss1,(MCS0)_2TX

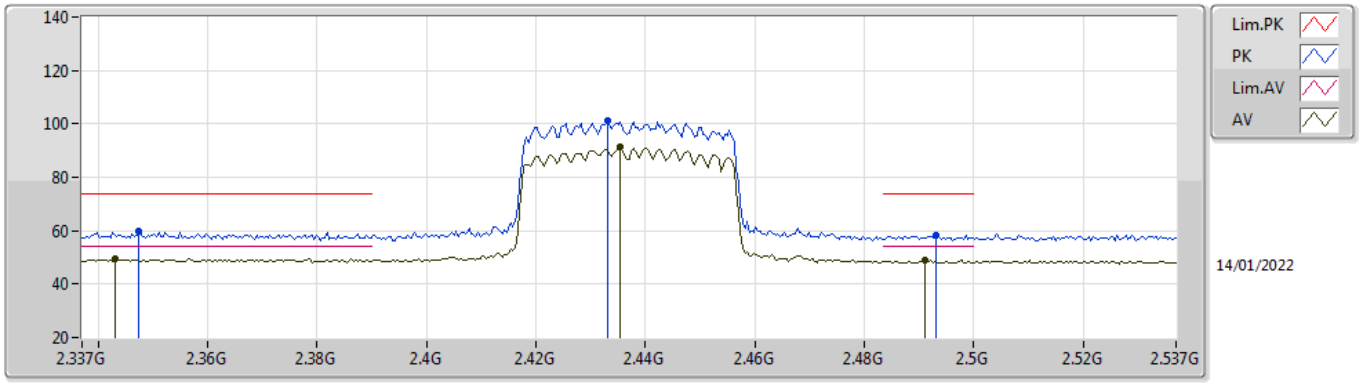
2437MHz_TX



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	2.351G	49.40	54.00	-4.60	35.04	3	Vertical	140	3.00	-	14.36	27.80	7.24	-
AV	2.4402G	87.23	Inf	-Inf	34.75	3	Vertical	140	3.00	-	52.48	27.46	7.29	-
AV	2.4922G	48.81	54.00	-5.19	34.73	3	Vertical	140	3.00	-	14.08	27.40	7.33	-
PK	2.3458G	59.24	74.00	-14.76	35.05	3	Vertical	140	3.00	-	24.19	27.81	7.24	-
PK	2.4398G	98.50	Inf	-Inf	34.75	3	Vertical	140	3.00	-	63.75	27.46	7.29	-
PK	2.4986G	58.09	74.00	-15.91	34.74	3	Vertical	140	3.00	-	23.35	27.40	7.34	-

802.11ax HEW40_Nss1,(MCS0)_2TX

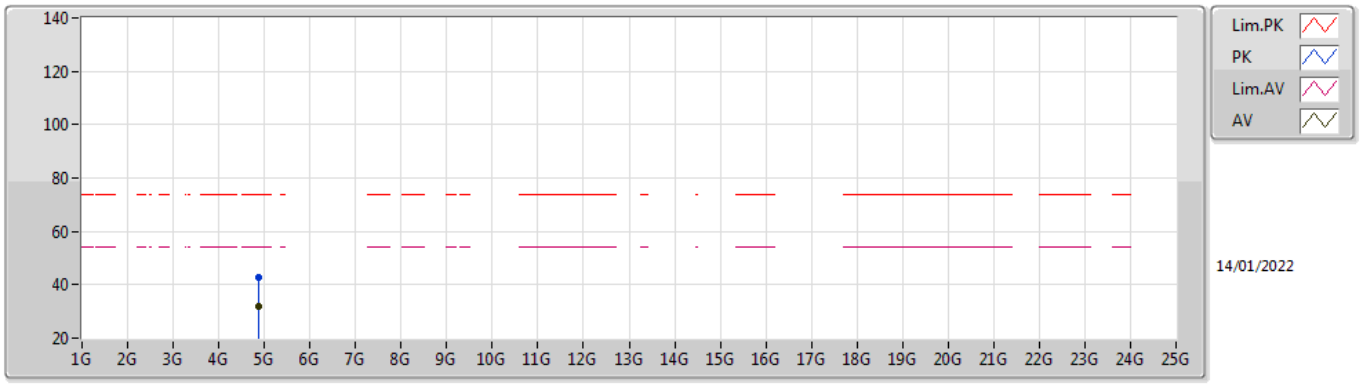
2437MHz_TX



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	2.343G	49.45	54.00	-4.55	35.04	3	Horizontal	4	1.49	-	14.41	27.81	7.23	-
AV	2.4354G	91.39	Inf	-Inf	34.78	3	Horizontal	4	1.49	-	56.61	27.49	7.29	-
AV	2.491G	49.01	54.00	-4.99	34.73	3	Horizontal	4	1.49	-	14.28	27.40	7.33	-
PK	2.3474G	60.03	74.00	-13.97	35.05	3	Horizontal	4	1.49	-	24.98	27.81	7.24	-
PK	2.433G	101.29	Inf	-Inf	34.79	3	Horizontal	4	1.49	-	66.50	27.50	7.29	-
PK	2.493G	58.27	74.00	-15.73	34.73	3	Horizontal	4	1.49	-	23.54	27.40	7.33	-

802.11ax HEW40_Nss1,(MCS0)_2TX

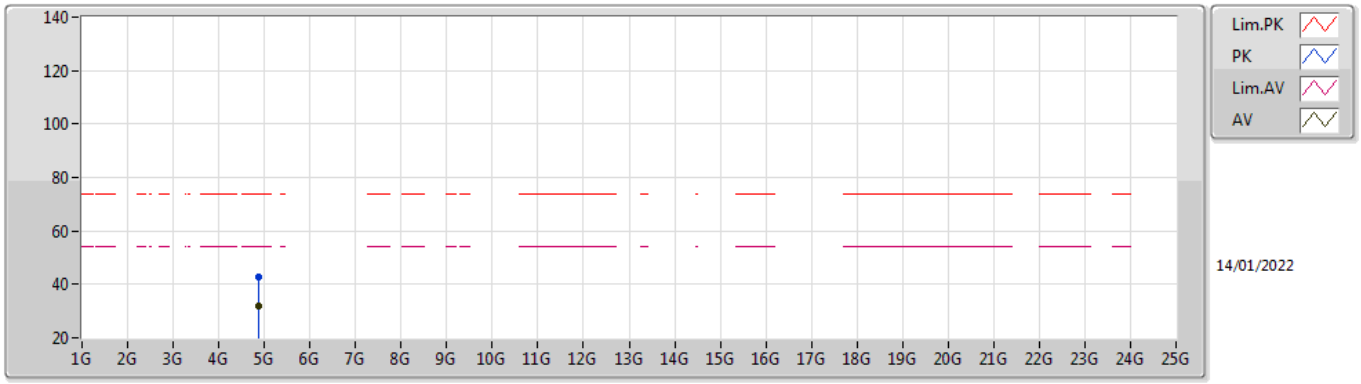
2437MHz_TX



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	4.88168G	32.00	54.00	-22.00	6.00	3	Vertical	42	1.24	-	26.00	31.20	8.96	34.16
PK	4.8684G	42.51	74.00	-31.49	5.99	3	Vertical	42	1.24	-	36.52	31.20	8.95	34.16

802.11ax HEW40_Nss1,(MCS0)_2TX

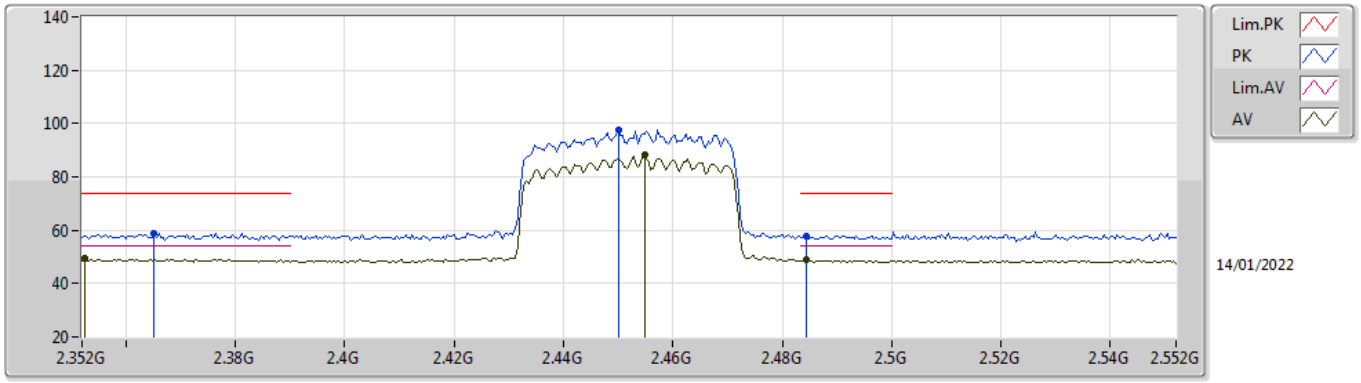
2437MHz_TX



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	4.85888G	31.83	54.00	-22.17	5.97	3	Horizontal	47	1.06	-	25.86	31.20	8.94	34.17
PK	4.87216G	42.57	74.00	-31.43	5.99	3	Horizontal	47	1.06	-	36.58	31.20	8.95	34.16

802.11ax HEW40_Nss1,(MCS0)_2TX

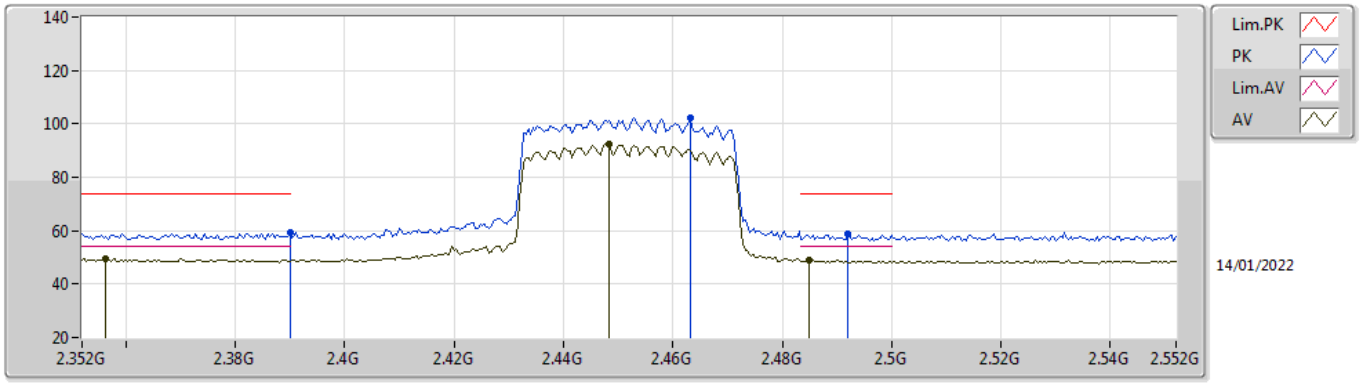
2452MHz_TX



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	2.3524G	49.27	54.00	-4.73	35.04	3	Vertical	142	3.00	-	14.23	27.80	7.24	-
AV	2.4548G	88.05	Inf	-Inf	34.70	3	Vertical	142	3.00	-	53.35	27.40	7.30	-
AV	2.4844G	48.90	54.00	-5.10	34.73	3	Vertical	142	3.00	-	14.17	27.40	7.33	-
PK	2.3652G	58.86	74.00	-15.14	35.01	3	Vertical	142	3.00	-	23.85	27.77	7.24	-
PK	2.45G	97.82	Inf	-Inf	34.70	3	Vertical	142	3.00	-	63.12	27.40	7.30	-
PK	2.4844G	57.86	74.00	-16.14	34.73	3	Vertical	142	3.00	-	23.13	27.40	7.33	-

802.11ax HEW40_Nss1,(MCS0)_2TX

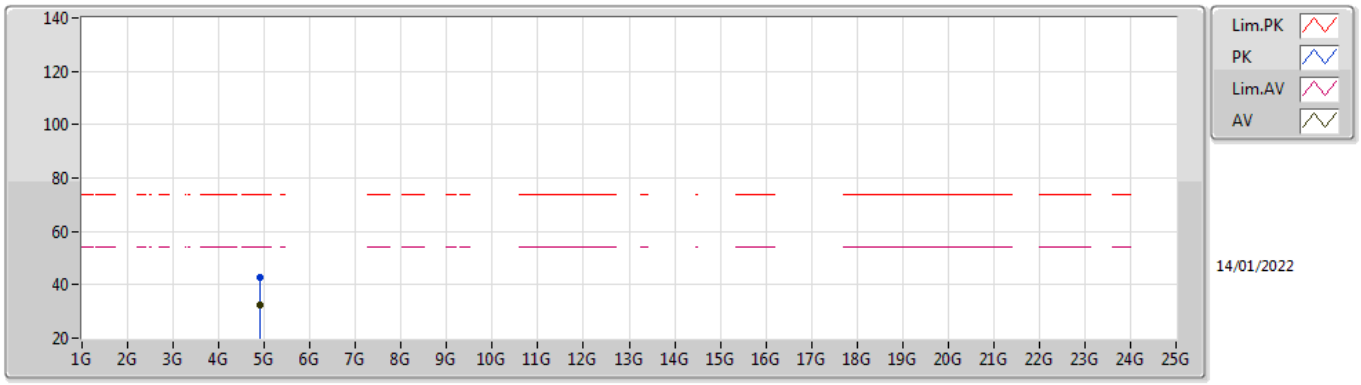
2452MHz_TX



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	2.3564G	49.50	54.00	-4.50	35.03	3	Horizontal	40	3.00	-	14.47	27.79	7.24	-
AV	2.4484G	92.24	Inf	-Inf	34.71	3	Horizontal	40	3.00	-	57.53	27.41	7.30	-
AV	2.4848G	48.92	54.00	-5.08	34.73	3	Horizontal	40	3.00	-	14.19	27.40	7.33	-
PK	2.39G	59.30	74.00	-14.70	34.98	3	Horizontal	40	3.00	-	24.32	27.72	7.26	-
PK	2.4632G	102.29	Inf	-Inf	34.71	3	Horizontal	40	3.00	-	67.58	27.40	7.31	-
PK	2.492G	58.54	74.00	-15.46	34.73	3	Horizontal	40	3.00	-	23.81	27.40	7.33	-

802.11ax HEW40_Nss1,(MCS0)_2TX

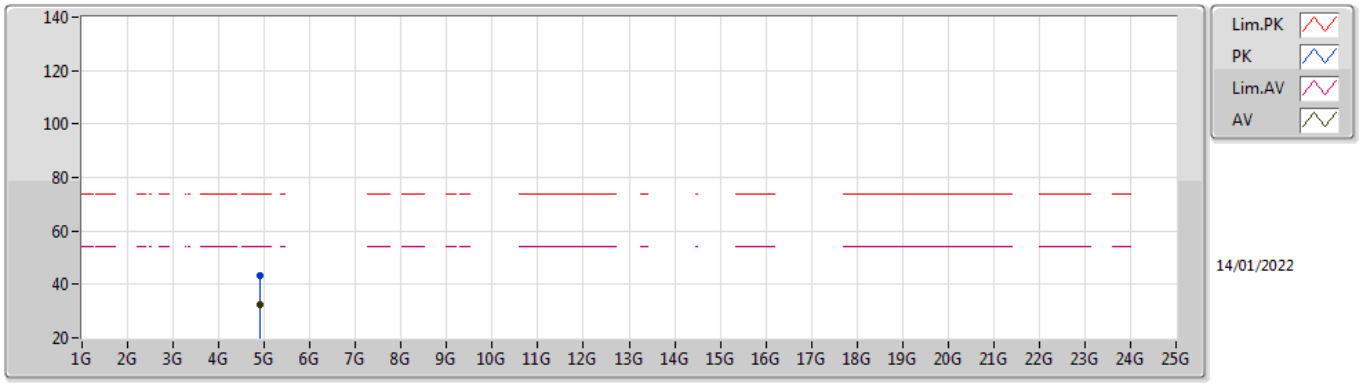
2452MHz_TX



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	4.91064G	32.29	54.00	-21.71	6.08	3	Vertical	287	2.92	-	26.21	31.24	8.98	34.14
PK	4.91144G	42.64	74.00	-31.36	6.09	3	Vertical	287	2.92	-	36.55	31.25	8.98	34.14

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	4.914G	32.16	54.00	-21.84	6.11	3	Horizontal	197	2.61	-	26.05	31.26	8.99	34.14
PK	4.8936G	43.21	74.00	-30.79	6.02	3	Horizontal	197	2.61	-	37.19	31.20	8.97	34.15