



FCC Radio Test Report

FCC ID : APYHRO00322
Equipment : Mobile Router
Brand Name : SHARP
Applicant : SHARP CORPORATION
1 Takumi-cho, Sakai-ku, Sakai City,
Osaka 590-8522, Japan
Manufacturer : SHARP CORPORATION
1 Takumi-cho, Sakai-ku, Sakai City,
Osaka 590-8522, Japan
Standard : 47 CFR FCC Part 15.247

The product was received on Sep. 01, 2022, and testing was started from Sep. 22, 2022 and completed on Oct. 13, 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

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History of this test report

Report No.	Version	Description	Issued Date
FR262909-01AC	01	Initial issue of report	Nov. 28, 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: Ryan Hsiao

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

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

Non-Beamforming

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

Beamforming

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

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	INPAQ	DPNA4621 WIFI1	FPC/PIFA antenna	I-PEX	0.85
2	INPAQ	DPNA4621 WIFI2	FPC/PIFA antenna	I-PEX	3.12

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter / Host system		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
Beamforming Function	☒ With beamforming	☐ Without beamforming	
Resource Unit(802.11ax)	☒ Full RU	☐ Partial RU	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.: ...		
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.: ...		
☐	Other:		

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b_Nss1,(1Mbps)_2TX	0.983	0.07	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g_Nss1,(6Mbps)_2TX	0.993	0.03	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW20_Nss1,(MCS0)_2TX	0.997	0.01	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40_Nss1,(MCS0)_2TX	0.997	0.01	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

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

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.934	0.3	2.934m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.961	0.17	2.934m	1k

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 594280 D01 v02r01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Wayne Chiu	22.5~22.9℃ / 56~61%	29/Sep/2022
RF Conducted	TH07-HY	Xie Xun	23~26℃ / 50~60%	22/Sep/2022~13/Oct/2022
Radiated (Non-Beamforming)	03CH03-HY	Edward Wang	22.1~23.6℃ / 50~60%	22/Sep/2022~24/Sep/2022
☒ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated (Beamforming)	03CH09-HY	Lego Lin	21.5~23.1℃ / 55~60%	12/Oct/2022

1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	QDART_WIN_4_8_Installer_00089_1
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Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	15
2437MHz	15
2462MHz	15
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	17
2437MHz	17
2462MHz	17
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	17
2437MHz	17
2462MHz	17
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	17
2437MHz	17
2452MHz	17

Beamforming

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	17
2437MHz	17
2462MHz	17
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	17
2437MHz	17
2452MHz	17

2.2 The Worst Case Measurement Configuration

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

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

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

2.3 Accessories

Accessories				
USB TYPE C to Ethernet Dongle	Brand Name	-	Model Name	-
	Manufacturer	PAN-INTL	SN	9.HB393A.0022BK
	Signal Line	0.2 meter, non-shielded cable, w/o ferrite core		

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

2.4 Support Equipment

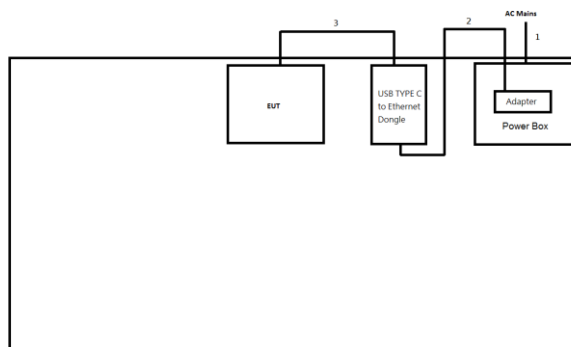
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Adapter (for NB)	HP	HSTNN-CA40	-	-
2	Notebook	HP	HSTNN-142C	-	-
3	AC Power cable	Power sync	PW-GPC180-3	-	-
4	Adapter	APPLE	A1385	-	-
5	Type-C cable	Sporton	Sporton	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	DC Power Supply	GW	GPS-3030DD	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Adapter (for NB)	HP	HSTNN-CA40	-	-
2	Notebook	HP	HSTNN-142C	-	-
3	AC Power cable	Power sync	PW-GPC180-3	-	-
4	Adapter	APPLE	A1385	-	-
5	Type-C cable	Sporton	Sporton	-	-
6	AC Adapter (for NB)	HP	HSTNN-CA40	-	Remote
7	Notebook	HP	HSTNN-142C	-	Remote

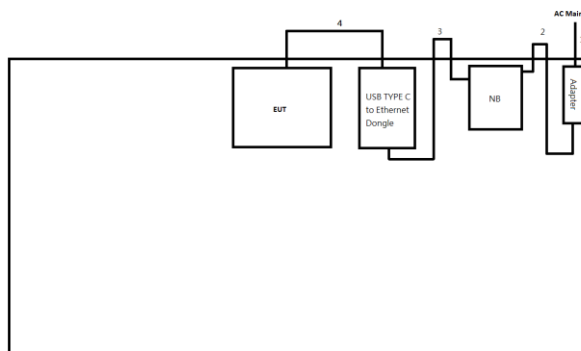
2.5 Test Setup Diagram

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

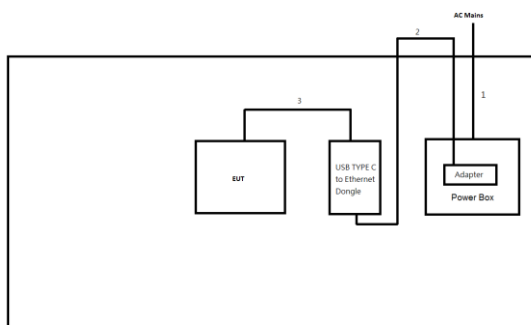


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	Type-C cable	No	1.0	-
3	Type-C cable	No	0.2	-

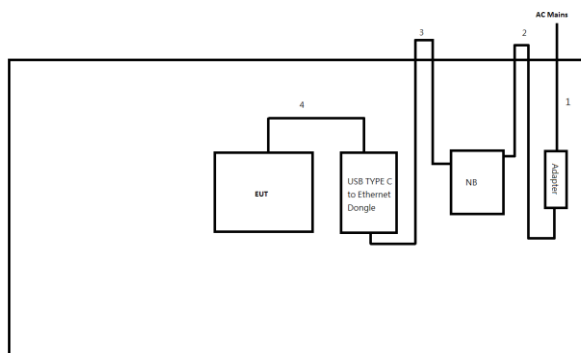
Test Setup Diagram – AC Line Conducted Emission Test (USB Mode)



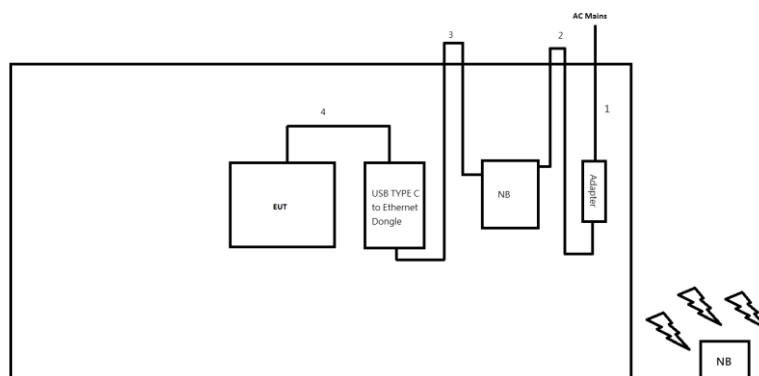
Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	Type-C cable	No	1.0	-
4	Type-C cable	No	0.2	-

Test Setup Diagram - Radiated Test (Adapter Mode)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	Type-C cable	No	1.0	-
3	Type-C cable	No	0.2	-

Test Setup Diagram - Radiated Test USB Mode; Non-Beamforming


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	Type-C cable	No	1.0	-
4	Type-C cable	No	0.2	-

Test Setup Diagram - Radiated Test USB Mode ; Beamforming


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	Type-C cable	No	1.0	-
4	Type-C cable	No	0.2	-

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

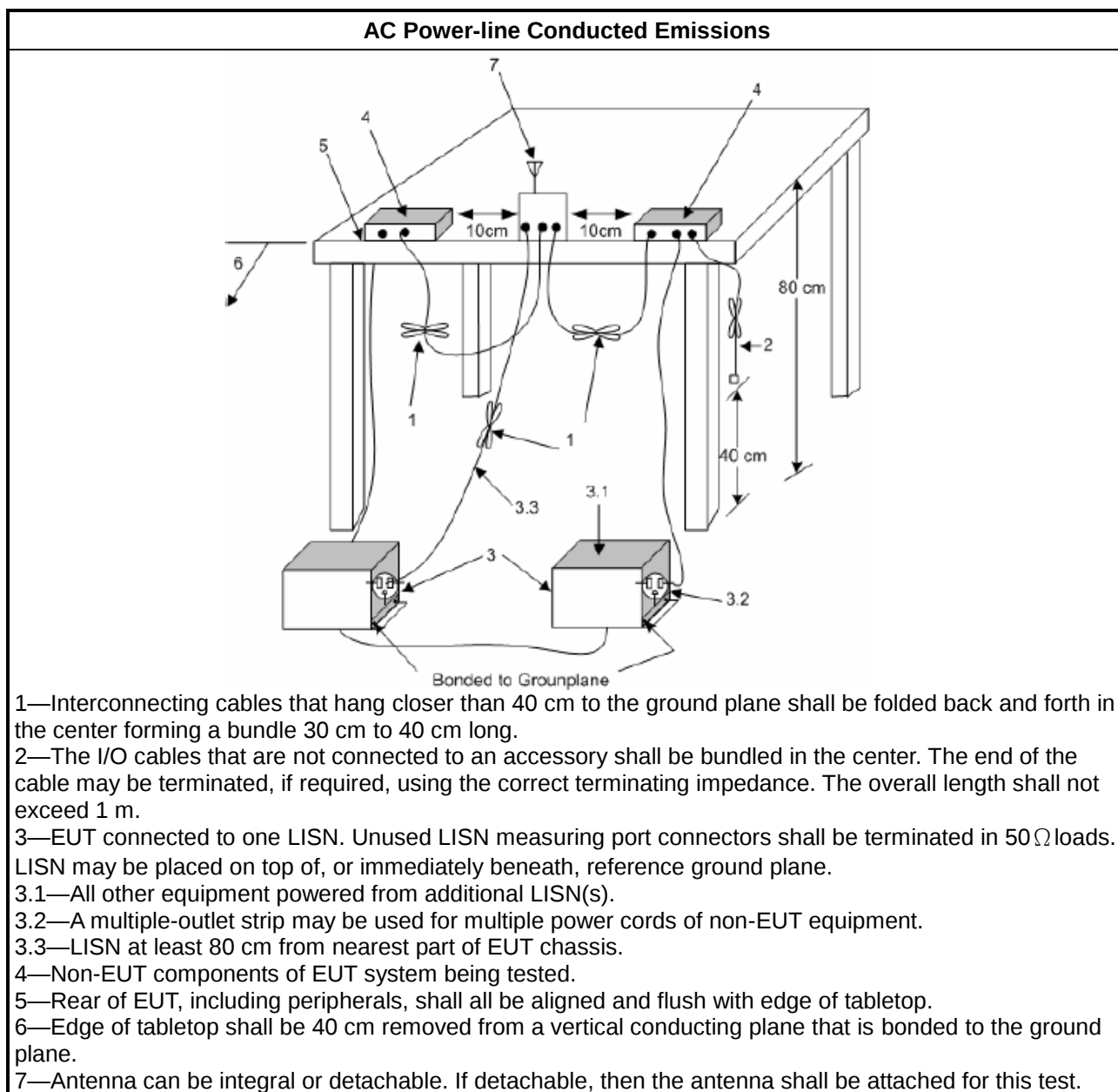
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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



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 $\geq$ 500 kHz.

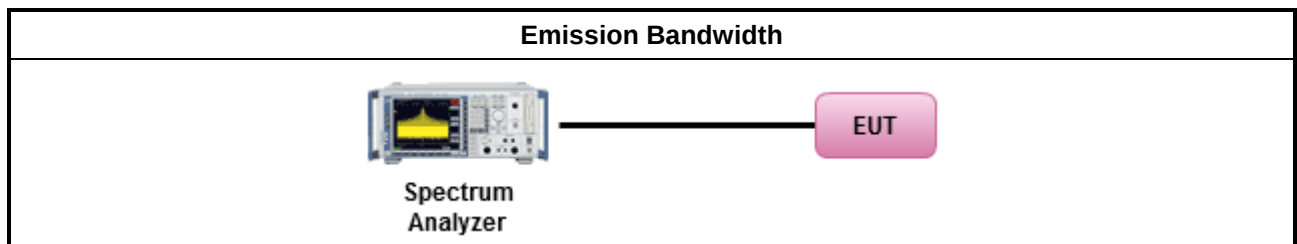
3.2.2 Measuring Instruments

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



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): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	Smart antenna system (SAS)
	- Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ 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.	

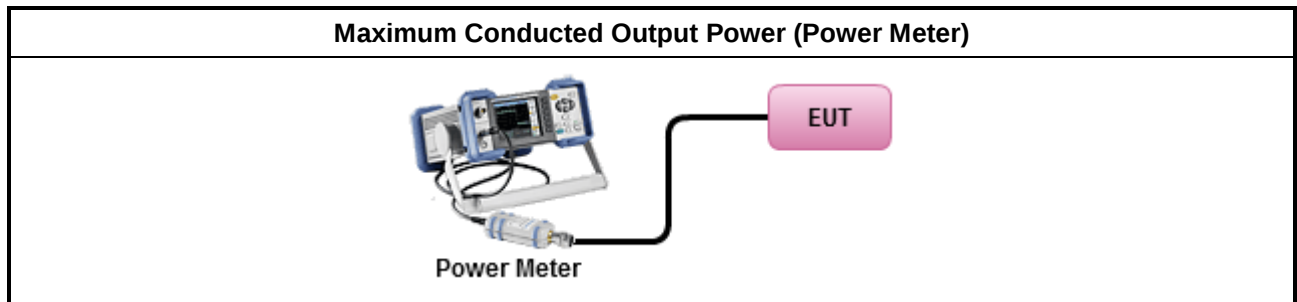
3.3.2 Measuring Instruments

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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



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

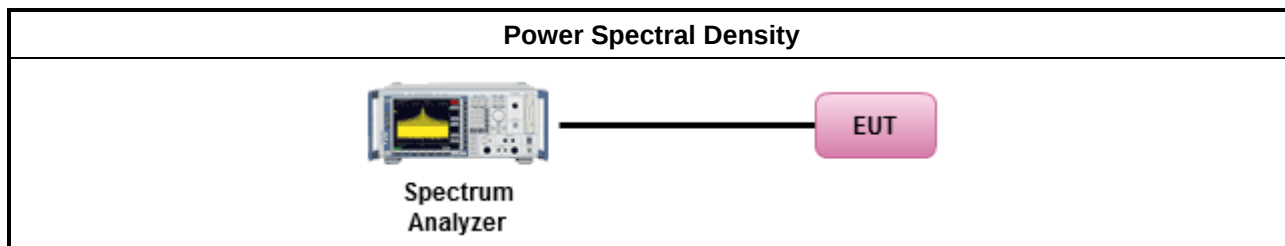
3.4.2 Measuring Instruments

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



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.	

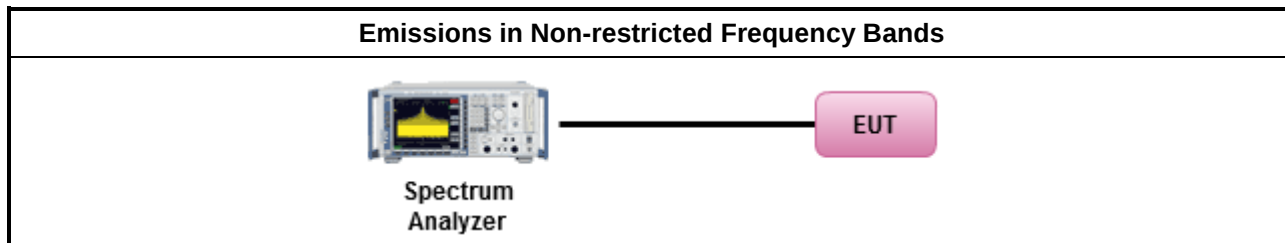
3.5.2 Measuring Instruments

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



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

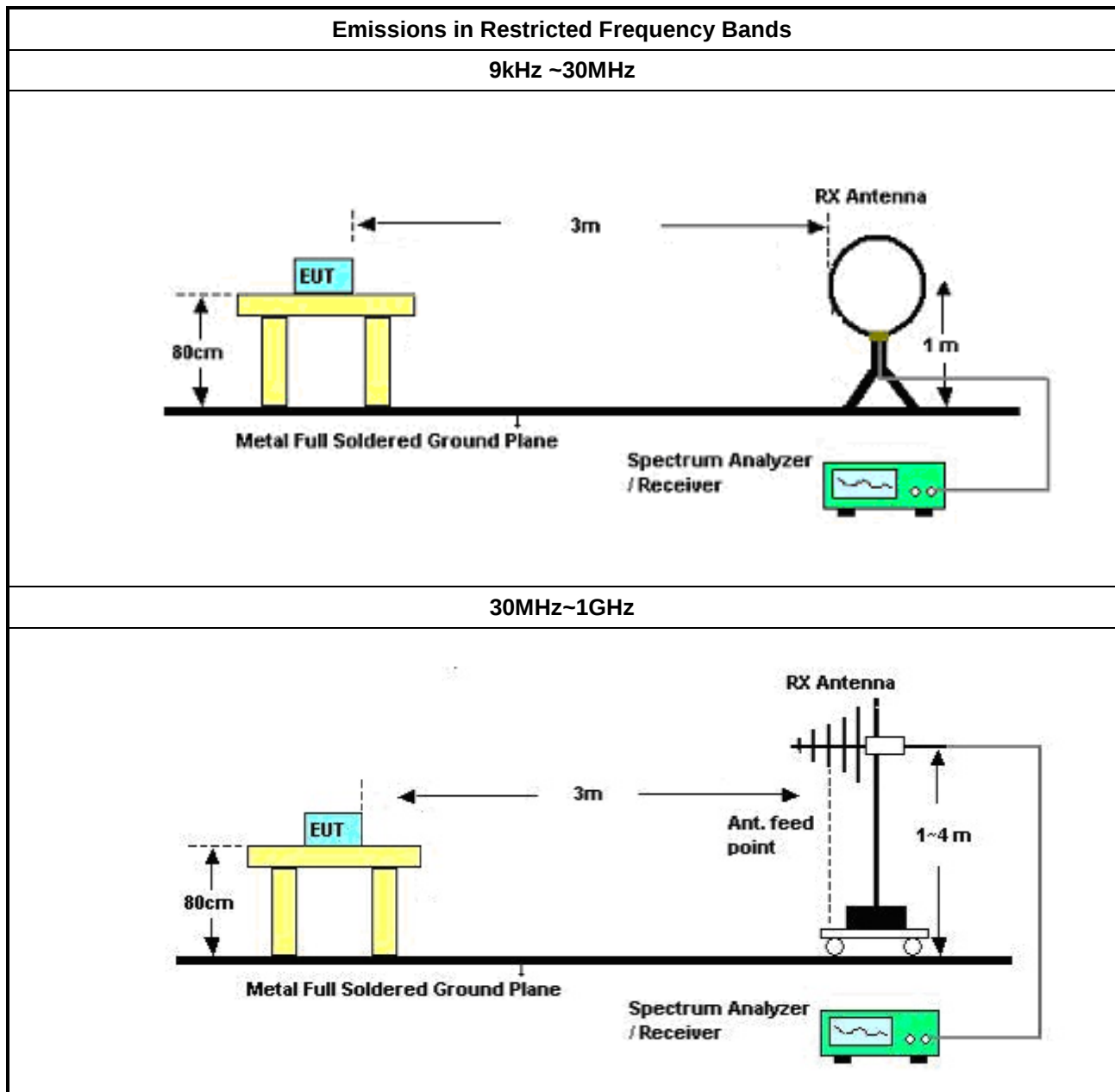
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted 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 $f \geq 1$ 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.

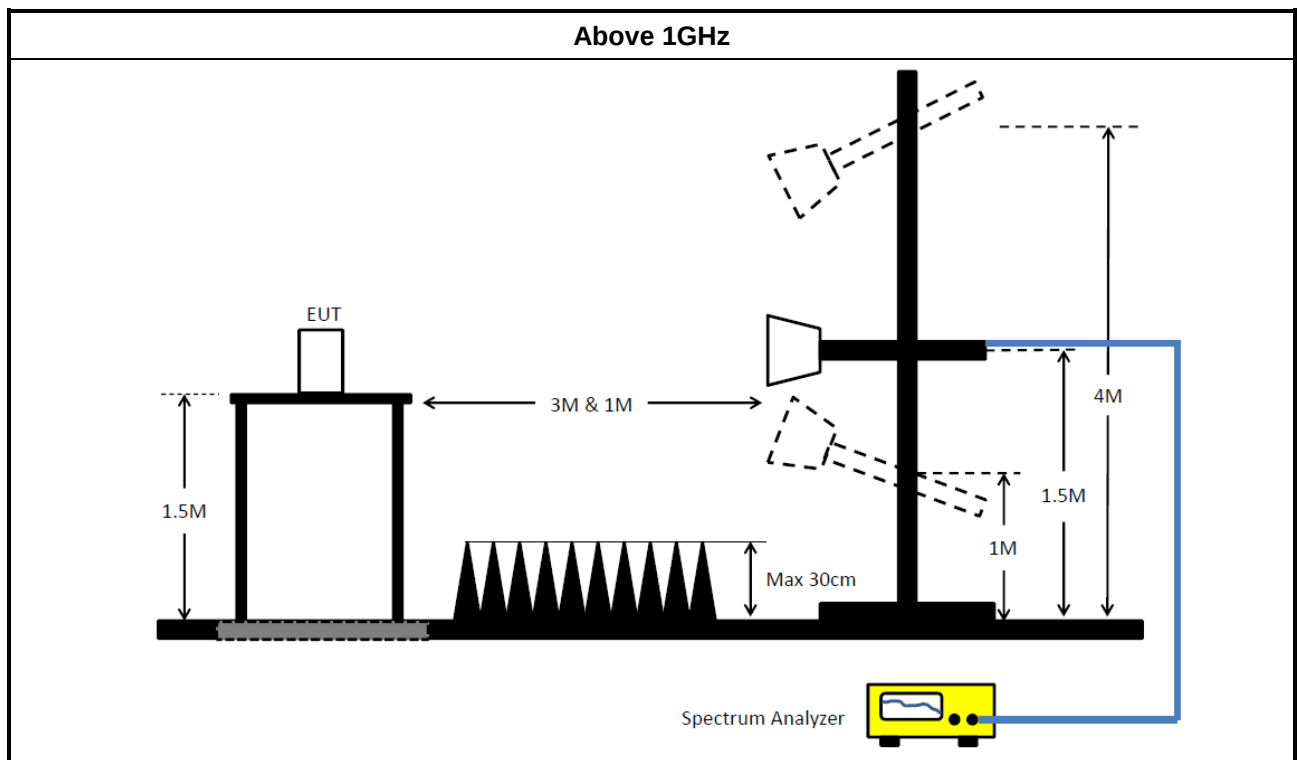
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.8.7	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2022	13/Feb/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2021	16/Dec/2022
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	20/Dec/2021	19/Dec/2022
SENSE-15247_DTS	Sporton	V5.10.8.3	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH03-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	01/Aug/2022	31/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	02/Aug/2022	01/Aug/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	08/Apr/2022	07/Apr/2023
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	1534	1GHz ~18GHz	10/Mar/2022	09/Mar/2023
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	17/Oct/2021	16/Oct/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	13/Jun/2022	12/Jun/2023
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB021-1+CB021-2	30MHz~1GHz	22/Mar/2022	21/Mar/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-01	1GHz~40GHz	27/Jul/2022	26/Jul/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	13/May/2022	12/May/2023
SENSE-15247_DTS	Sporton	v5.10.8.3	NA	NA	NA	NA

Instrument for Radiated Test (03CH09-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	27/Dec/2021	26/Dec/2022
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
SENSE-15247_DTS	Sporton	v5.10.8.3	NA	NA	NA	NA



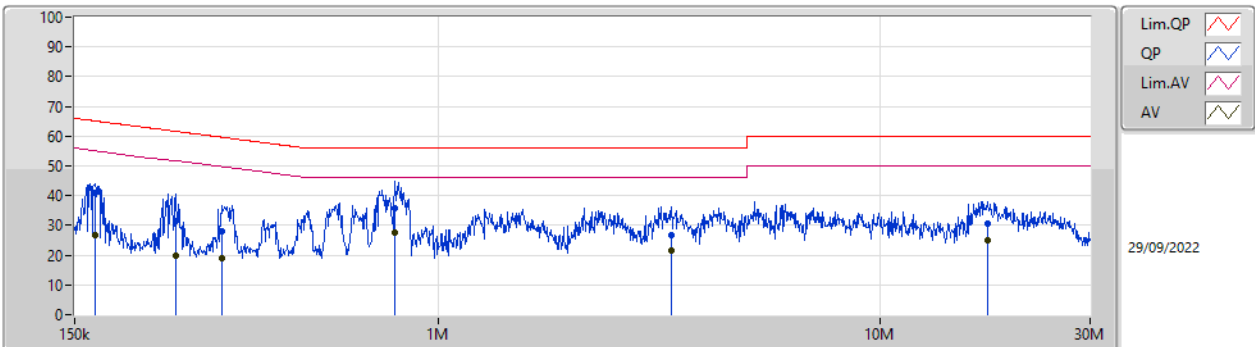
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	798.945k	27.75	46.00	-18.25	Line
Mode 2	Pass	AV	485.068k	31.50	46.25	-14.75	Neutral

Result

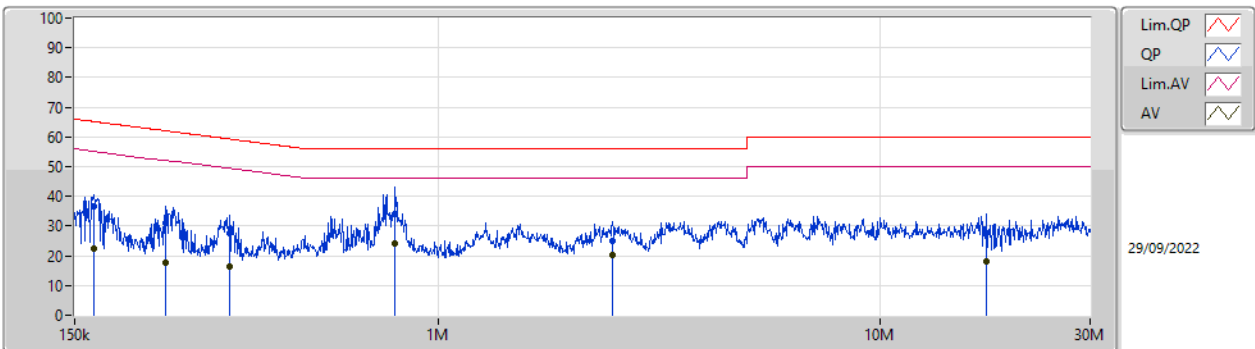
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	167.071k	40.86	65.10	-24.24	Line	-
Mode 1	Pass	AV	167.071k	26.57	55.10	-28.53	Line	-
Mode 1	Pass	QP	254.063k	31.61	61.62	-30.01	Line	-
Mode 1	Pass	AV	254.063k	20.04	51.62	-31.58	Line	-
Mode 1	Pass	QP	322.823k	27.94	59.63	-31.69	Line	-
Mode 1	Pass	AV	322.823k	18.98	49.63	-30.65	Line	-
Mode 1	Pass	QP	798.945k	35.93	56.00	-20.07	Line	-
Mode 1	Pass	AV	798.945k	27.75	46.00	-18.25	Line	-
Mode 1	Pass	QP	3.376M	26.82	56.00	-29.18	Line	-
Mode 1	Pass	AV	3.376M	21.67	46.00	-24.33	Line	-
Mode 1	Pass	QP	17.555M	30.58	60.00	-29.42	Line	-
Mode 1	Pass	AV	17.555M	24.91	50.00	-25.09	Line	-
Mode 1	Pass	QP	165.743k	36.79	65.18	-28.39	Neutral	-
Mode 1	Pass	AV	165.743k	22.32	55.18	-32.86	Neutral	-
Mode 1	Pass	QP	240.253k	30.88	62.08	-31.20	Neutral	-
Mode 1	Pass	AV	240.253k	17.75	52.08	-34.33	Neutral	-
Mode 1	Pass	QP	337.314k	27.78	59.27	-31.49	Neutral	-
Mode 1	Pass	AV	337.314k	16.43	49.27	-32.84	Neutral	-
Mode 1	Pass	QP	798.945k	33.85	56.00	-22.15	Neutral	-
Mode 1	Pass	AV	798.945k	24.32	46.00	-21.68	Neutral	-
Mode 1	Pass	QP	2.483M	25.00	56.00	-31.00	Neutral	-
Mode 1	Pass	AV	2.483M	20.31	46.00	-25.69	Neutral	-
Mode 1	Pass	QP	17.416M	27.46	60.00	-32.54	Neutral	-
Mode 1	Pass	AV	17.416M	18.22	50.00	-31.78	Neutral	-
Mode 2	Pass	QP	163.117k	45.87	65.31	-19.44	Line	-
Mode 2	Pass	AV	163.117k	29.95	55.31	-25.36	Line	-
Mode 2	Pass	QP	233.633k	36.60	62.31	-25.71	Line	-
Mode 2	Pass	AV	233.633k	22.25	52.31	-30.06	Line	-
Mode 2	Pass	QP	479.294k	36.13	56.34	-20.21	Line	-
Mode 2	Pass	AV	479.294k	29.88	46.34	-16.46	Line	-
Mode 2	Pass	QP	1.6M	23.19	56.00	-32.81	Line	-
Mode 2	Pass	AV	1.6M	19.97	46.00	-26.03	Line	-
Mode 2	Pass	QP	2.878M	25.18	56.00	-30.82	Line	-
Mode 2	Pass	AV	2.878M	21.02	46.00	-24.98	Line	-
Mode 2	Pass	QP	18.564M	23.70	60.00	-36.30	Line	-
Mode 2	Pass	AV	18.564M	18.63	50.00	-31.37	Line	-
Mode 2	Pass	QP	151.807k	47.16	65.90	-18.74	Neutral	-
Mode 2	Pass	AV	151.807k	31.00	55.90	-24.90	Neutral	-
Mode 2	Pass	QP	208.092k	39.78	63.28	-23.50	Neutral	-
Mode 2	Pass	AV	208.092k	24.02	53.28	-29.26	Neutral	-
Mode 2	Pass	QP	485.068k	37.75	56.25	-18.50	Neutral	-
Mode 2	Pass	AV	485.068k	31.50	46.25	-14.75	Neutral	-
Mode 2	Pass	QP	1.42M	23.43	56.00	-32.57	Neutral	-
Mode 2	Pass	AV	1.42M	19.45	46.00	-26.55	Neutral	-
Mode 2	Pass	QP	2.843M	22.78	56.00	-33.22	Neutral	-
Mode 2	Pass	AV	2.843M	19.10	46.00	-26.90	Neutral	-
Mode 2	Pass	QP	16.338M	21.42	60.00	-38.58	Neutral	-
Mode 2	Pass	AV	16.338M	17.13	50.00	-32.87	Neutral	-

Conducted Emissions at Powerline_Mode 1



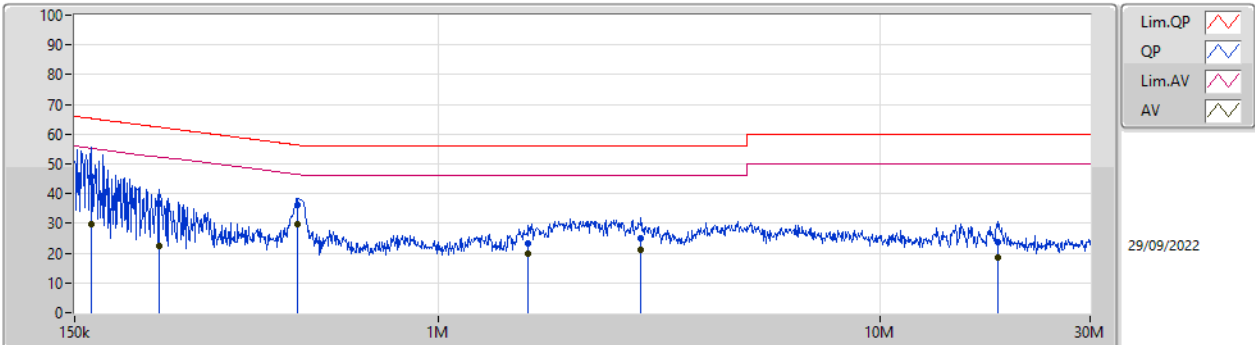
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)				
QP	167.071k	40.86	65.10	-24.24	19.63	Line	-	21.23	9.69	0.03	9.91				
AV	167.071k	26.57	55.10	-28.53	19.63	Line	-	6.94	9.69	0.03	9.91				
QP	254.063k	31.61	61.62	-30.01	19.63	Line	-	11.98	9.69	0.03	9.91				
AV	254.063k	20.04	51.62	-31.58	19.63	Line	-	0.41	9.69	0.03	9.91				
QP	322.823k	27.94	59.63	-31.69	19.63	Line	-	8.31	9.68	0.04	9.91				
AV	322.823k	18.98	49.63	-30.65	19.63	Line	-	-0.65	9.68	0.04	9.91				
QP	798.945k	35.93	56.00	-20.07	19.65	Line	-	16.28	9.68	0.05	9.92				
AV	798.945k	27.75	46.00	-18.25	19.65	Line	-	8.10	9.68	0.05	9.92				
QP	3.376M	26.82	56.00	-29.18	19.75	Line	-	7.07	9.71	0.12	9.92				
AV	3.376M	21.67	46.00	-24.33	19.75	Line	-	1.92	9.71	0.12	9.92				
QP	17.555M	30.58	60.00	-29.42	19.98	Line	-	10.60	9.79	0.26	9.93				
AV	17.555M	24.91	50.00	-25.09	19.98	Line	-	4.93	9.79	0.26	9.93				

Conducted Emissions at Powerline_Mode 1



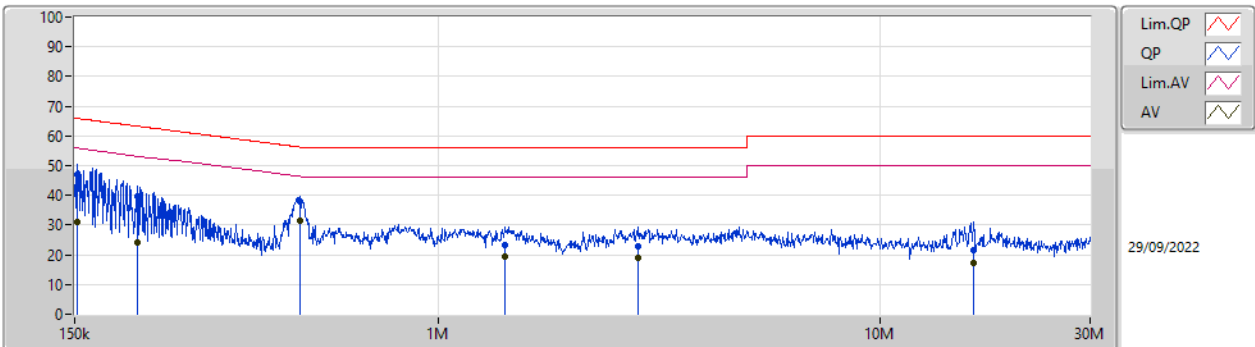
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)				
QP	165.743k	36.79	65.18	-28.39	19.67	Neutral	-	17.12	9.73	0.03	9.91				
AV	165.743k	22.32	55.18	-32.86	19.67	Neutral	-	2.65	9.73	0.03	9.91				
QP	240.253k	30.88	62.08	-31.20	19.66	Neutral	-	11.22	9.72	0.03	9.91				
AV	240.253k	17.75	52.08	-34.33	19.66	Neutral	-	-1.91	9.72	0.03	9.91				
QP	337.314k	27.78	59.27	-31.49	19.67	Neutral	-	8.11	9.72	0.04	9.91				
AV	337.314k	16.43	49.27	-32.84	19.67	Neutral	-	-3.24	9.72	0.04	9.91				
QP	798.945k	33.85	56.00	-22.15	19.70	Neutral	-	14.15	9.73	0.05	9.92				
AV	798.945k	24.32	46.00	-21.68	19.70	Neutral	-	4.62	9.73	0.05	9.92				
QP	2.483M	25.00	56.00	-31.00	19.77	Neutral	-	5.23	9.75	0.10	9.92				
AV	2.483M	20.31	46.00	-25.69	19.77	Neutral	-	0.54	9.75	0.10	9.92				
QP	17.416M	27.46	60.00	-32.54	20.16	Neutral	-	7.30	9.97	0.26	9.93				
AV	17.416M	18.22	50.00	-31.78	20.16	Neutral	-	-1.94	9.97	0.26	9.93				

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	163.117k	45.87	65.31	-19.44	19.63	Line	-	26.24	9.69	0.03	9.91			
AV	163.117k	29.95	55.31	-25.36	19.63	Line	-	10.32	9.69	0.03	9.91			
QP	233.633k	36.60	62.31	-25.71	19.63	Line	-	16.97	9.69	0.03	9.91			
AV	233.633k	22.25	52.31	-30.06	19.63	Line	-	2.62	9.69	0.03	9.91			
QP	479.294k	36.13	56.34	-20.21	19.63	Line	-	16.50	9.68	0.04	9.91			
AV	479.294k	29.88	46.34	-16.46	19.63	Line	-	10.25	9.68	0.04	9.91			
QP	1.6M	23.19	56.00	-32.81	19.68	Line	-	3.51	9.69	0.07	9.92			
AV	1.6M	19.97	46.00	-26.03	19.68	Line	-	0.29	9.69	0.07	9.92			
QP	2.878M	25.18	56.00	-30.82	19.74	Line	-	5.44	9.71	0.11	9.92			
AV	2.878M	21.02	46.00	-24.98	19.74	Line	-	1.28	9.71	0.11	9.92			
QP	18.564M	23.70	60.00	-36.30	19.98	Line	-	3.72	9.79	0.26	9.93			
AV	18.564M	18.63	50.00	-31.37	19.98	Line	-	-1.35	9.79	0.26	9.93			

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	151.807k	47.16	65.90	-18.74	19.67	Neutral	-	27.49	9.73	0.03	9.91			
AV	151.807k	31.00	55.90	-24.90	19.67	Neutral	-	11.33	9.73	0.03	9.91			
QP	208.092k	39.78	63.28	-23.50	19.66	Neutral	-	20.12	9.72	0.03	9.91			
AV	208.092k	24.02	53.28	-29.26	19.66	Neutral	-	4.36	9.72	0.03	9.91			
QP	485.068k	37.75	56.25	-18.50	19.67	Neutral	-	18.08	9.72	0.04	9.91			
AV	485.068k	31.50	46.25	-14.75	19.67	Neutral	-	11.83	9.72	0.04	9.91			
QP	1.42M	23.43	56.00	-32.57	19.73	Neutral	-	3.70	9.74	0.07	9.92			
AV	1.42M	19.45	46.00	-26.55	19.73	Neutral	-	-0.28	9.74	0.07	9.92			
QP	2.843M	22.78	56.00	-33.22	19.78	Neutral	-	3.00	9.75	0.11	9.92			
AV	2.843M	19.10	46.00	-26.90	19.78	Neutral	-	-0.68	9.75	0.11	9.92			
QP	16.338M	21.42	60.00	-38.58	20.14	Neutral	-	1.28	9.96	0.25	9.93			
AV	16.338M	17.13	50.00	-32.87	20.14	Neutral	-	-3.01	9.96	0.25	9.93			

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.525M	13.568M	13M6G1D	7.55M	12.844M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.567M	16M6D1D	15.925M	16.392M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.95M	19.015M	19M0D1D	18.1M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.7M	37.831M	37M8D1D	35.45M	37.631M

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

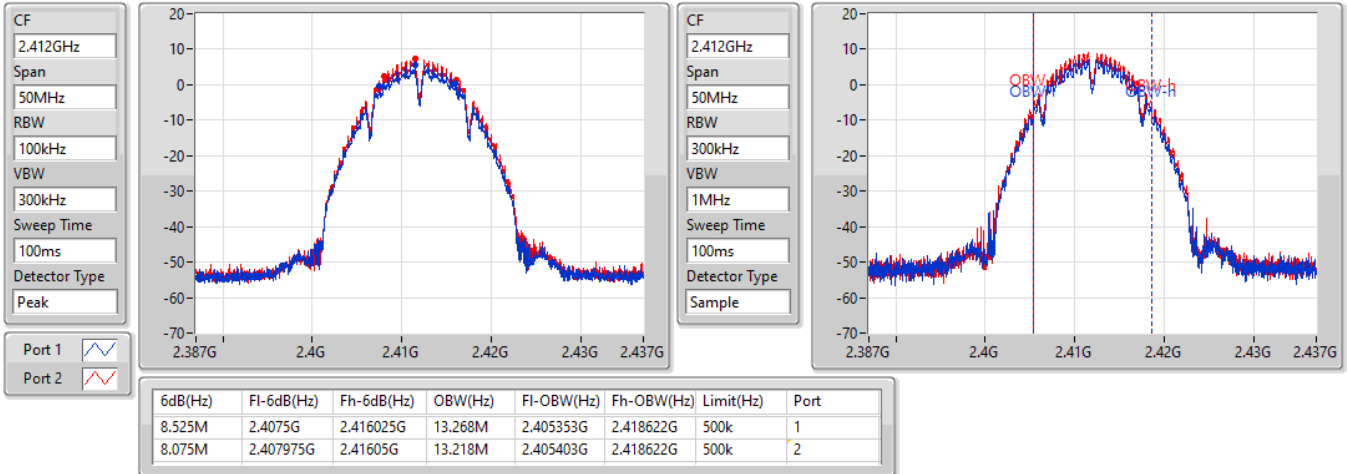
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.525M	13.268M	8.075M	13.218M
2437MHz	Pass	500k	8.075M	13.293M	8.05M	13.568M
2462MHz	Pass	500k	8.05M	12.844M	7.55M	12.919M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.417M	16.275M	16.392M
2437MHz	Pass	500k	16.35M	16.517M	16.35M	16.567M
2462MHz	Pass	500k	15.925M	16.417M	16.275M	16.442M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.6M	18.916M	18.65M	18.891M
2437MHz	Pass	500k	18.95M	18.991M	18.95M	19.015M
2462MHz	Pass	500k	18.125M	18.891M	18.1M	18.916M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.7M	37.681M	35.5M	37.631M
2437MHz	Pass	500k	37.5M	37.731M	37.15M	37.831M
2452MHz	Pass	500k	36.8M	37.831M	35.45M	37.781M

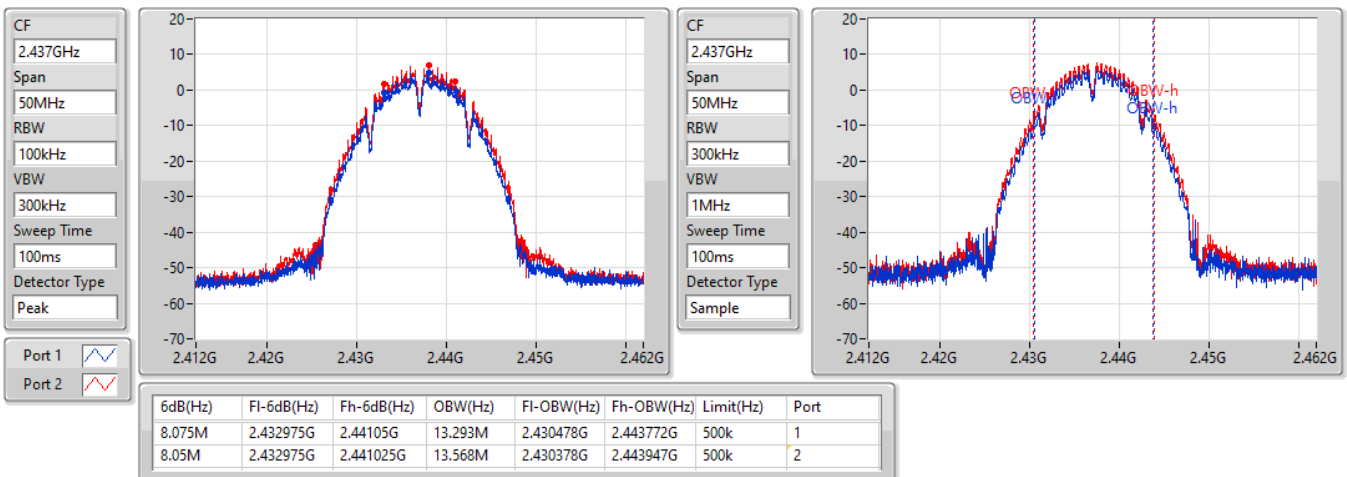
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

22/09/2022


802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz

22/09/2022

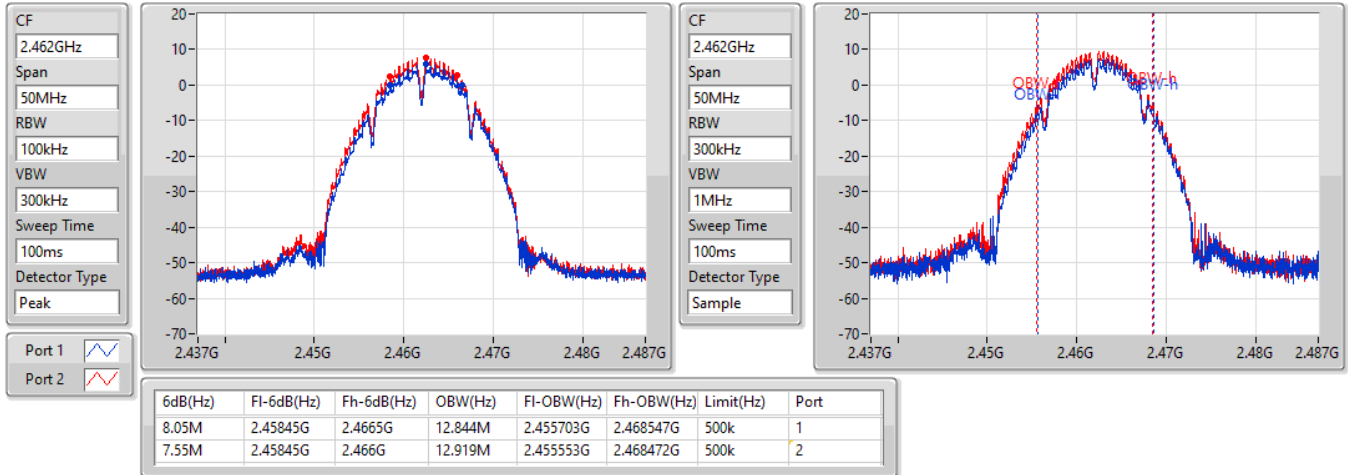


802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

22/09/2022

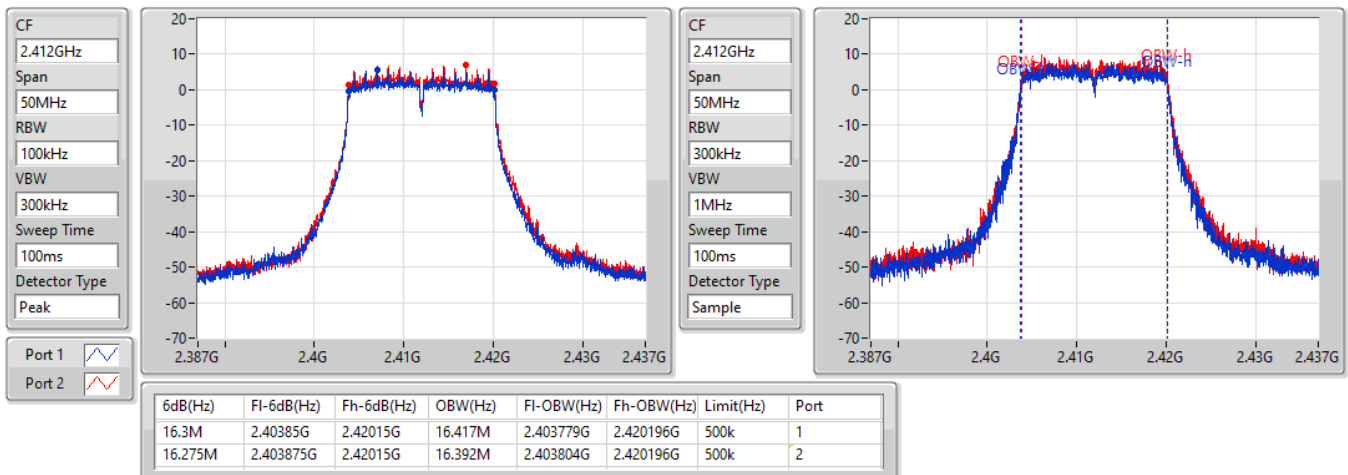


802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

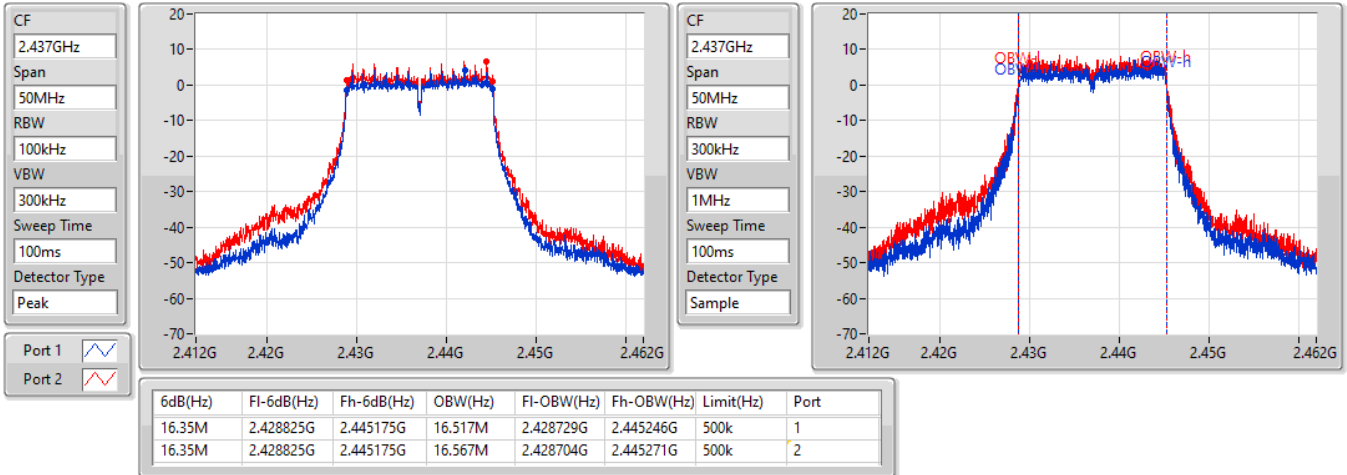
22/09/2022



802.11g_Nss1,(6Mbps)_2TX

2437MHz

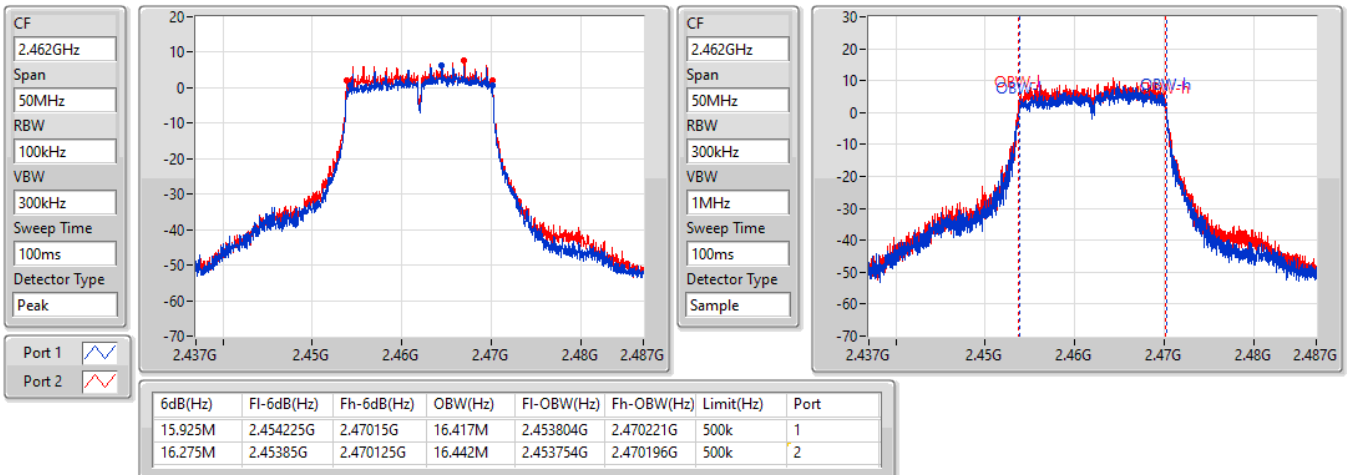
22/09/2022



802.11g_Nss1,(6Mbps)_2TX

2462MHz

22/09/2022

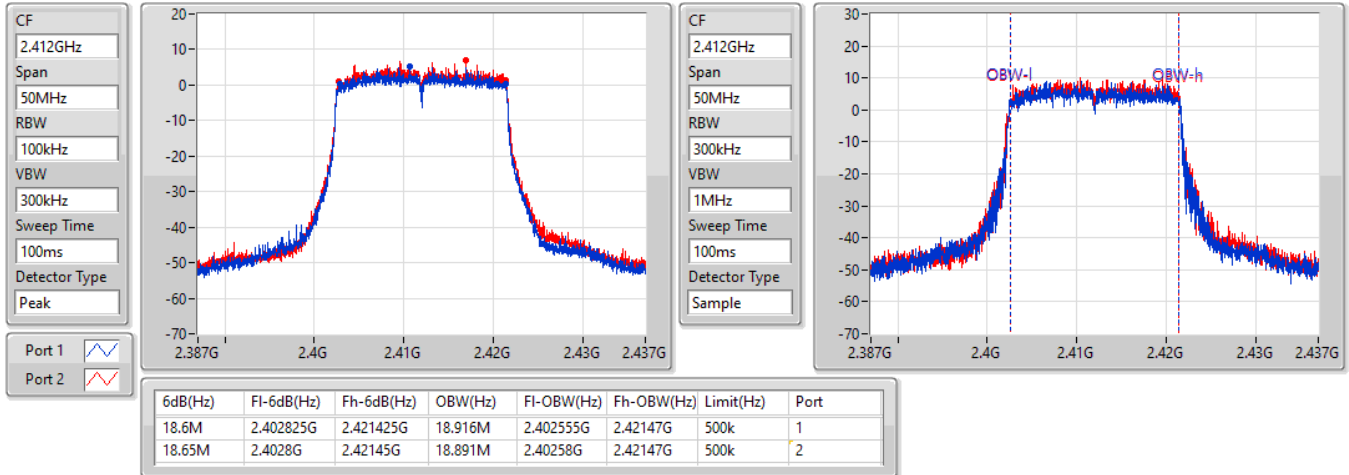


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

22/09/2022

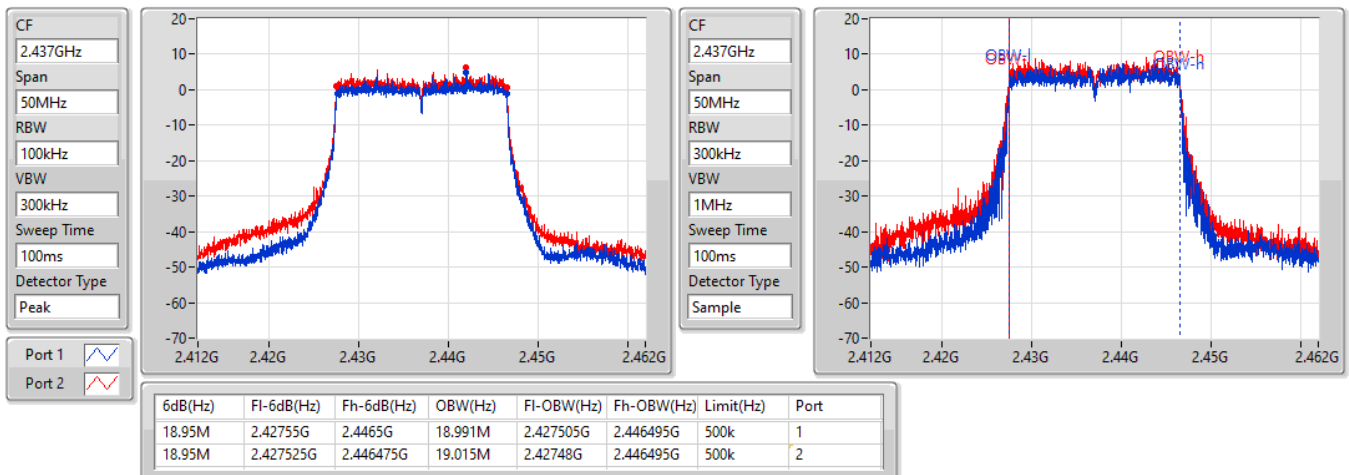


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

22/09/2022

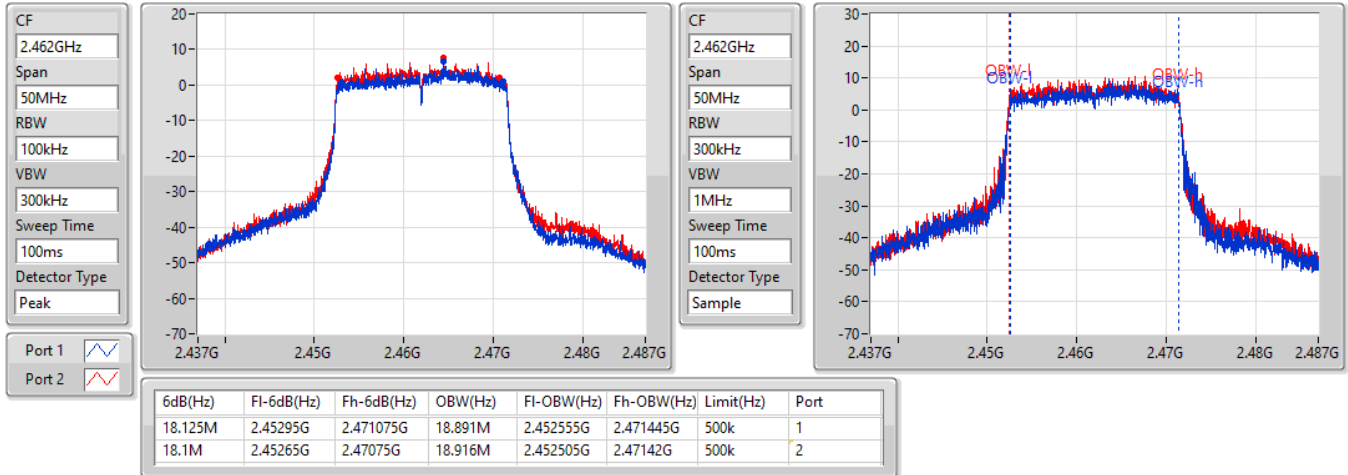


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

22/09/2022

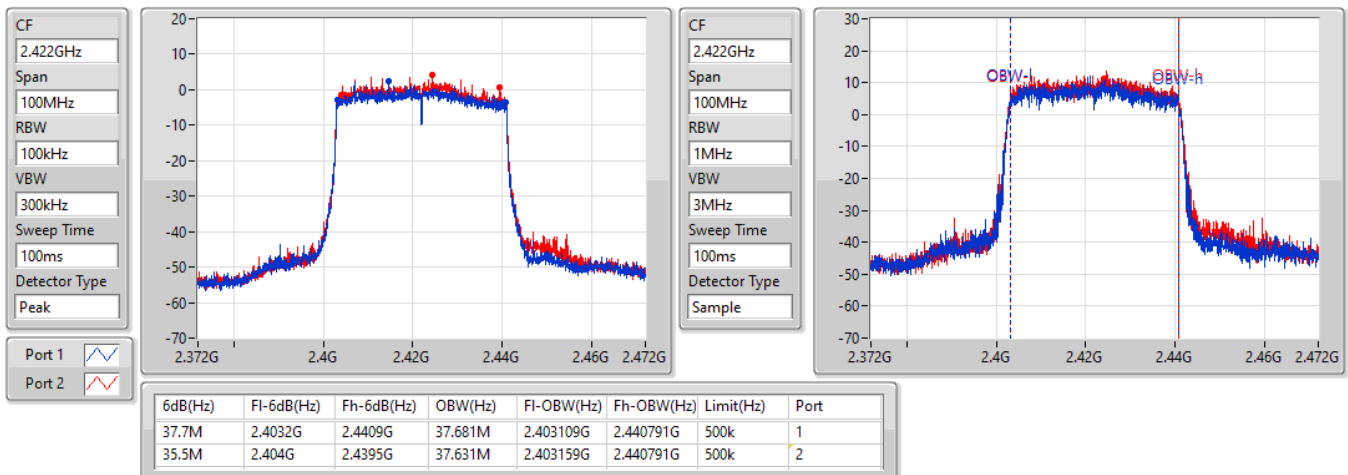


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2422MHz

22/09/2022

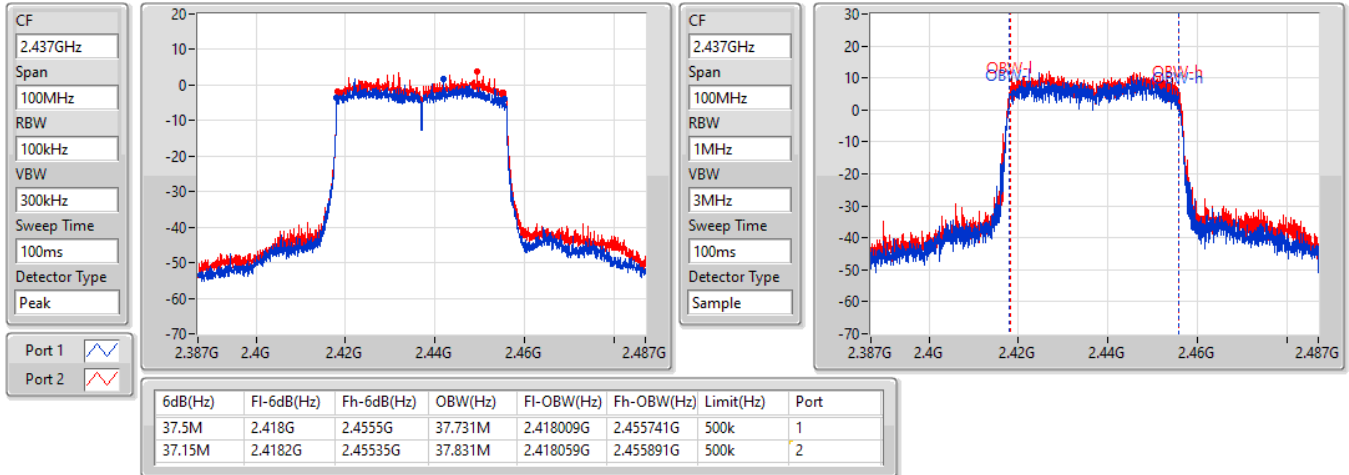


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

22/09/2022

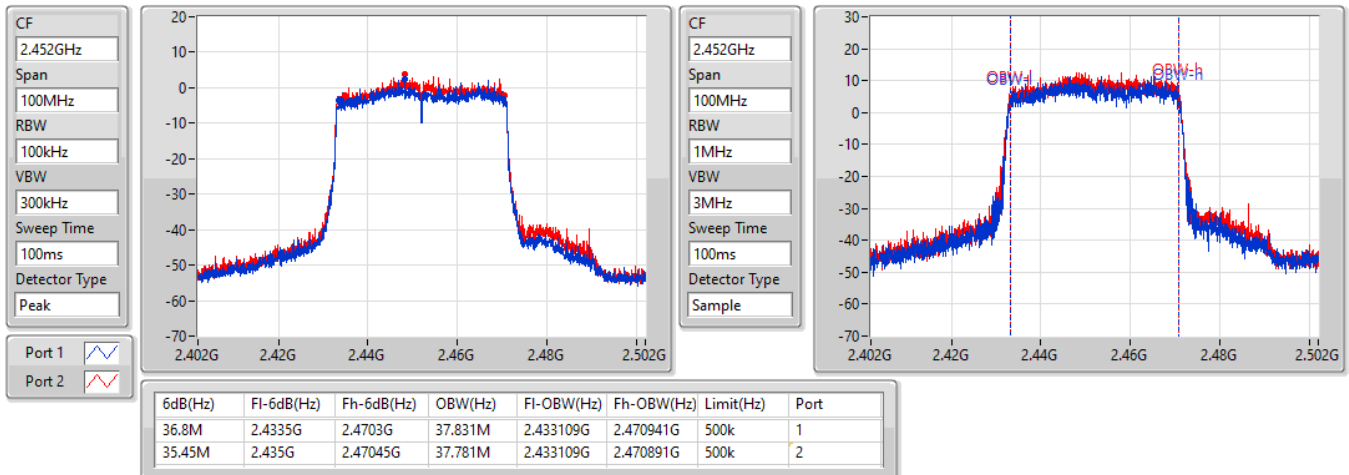


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

22/09/2022



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.875M	19.002M	19MOD1D	15.375M	18.929M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	38M	37.936M	37M9D1D	37.7M	37.752M

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

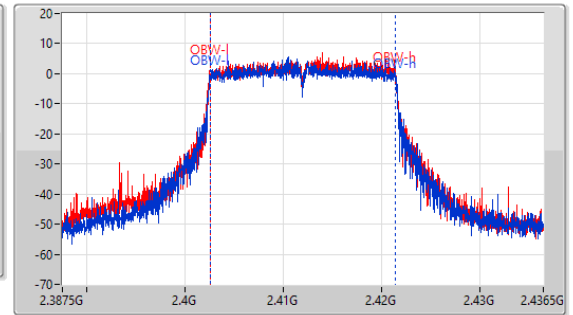
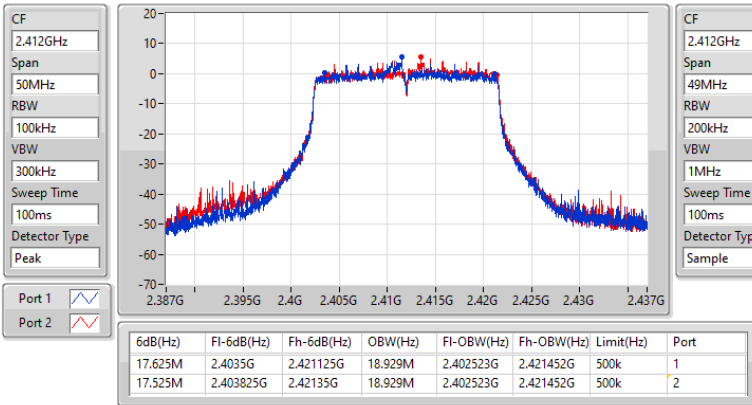
**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.625M	18.929M	17.525M	18.929M
2437MHz	Pass	500k	15.375M	18.978M	17.075M	18.978M
2462MHz	Pass	500k	18.875M	19.002M	18.75M	19.002M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.75M	37.786M	38M	37.86M
2437MHz	Pass	500k	37.9M	37.925M	38M	37.936M
2452MHz	Pass	500k	37.7M	37.752M	37.75M	37.775M

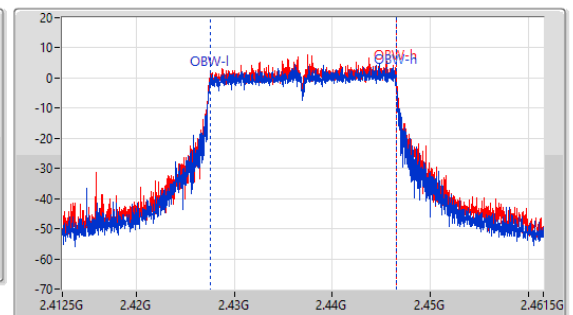
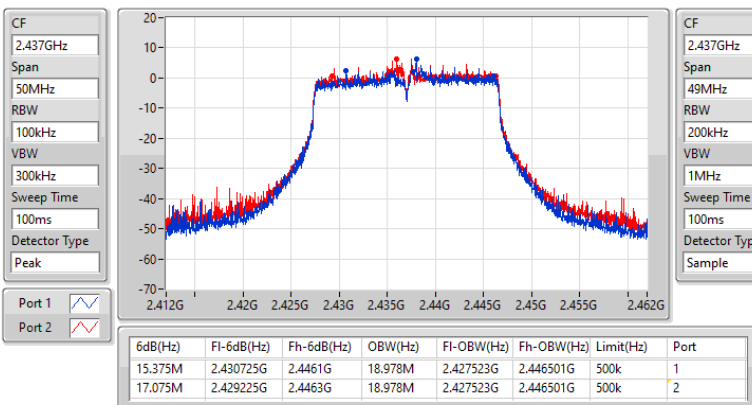
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2412MHz

12/10/2022

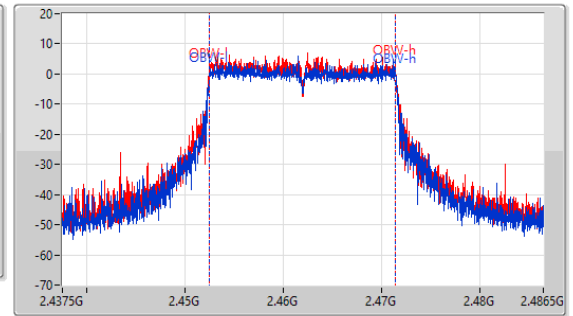
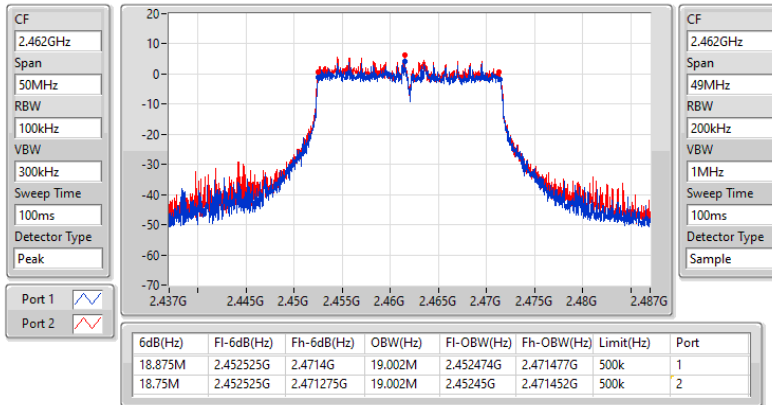

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2437MHz

12/10/2022

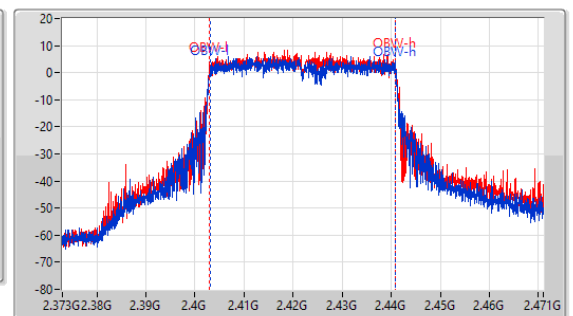
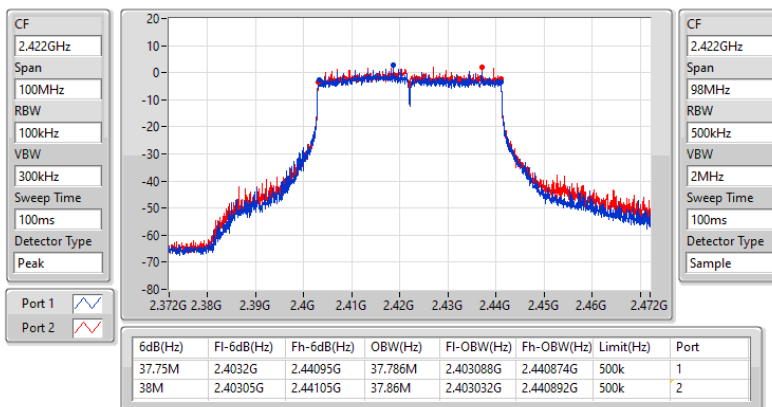


**2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
2462MHz**
EBW

12/10/2022

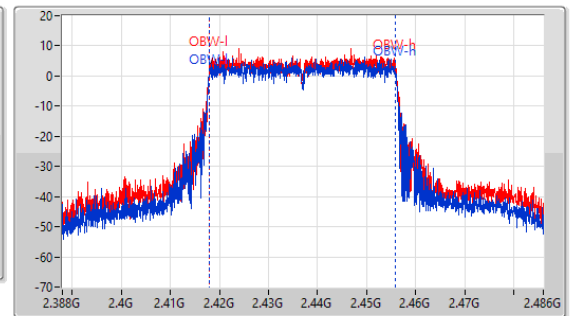
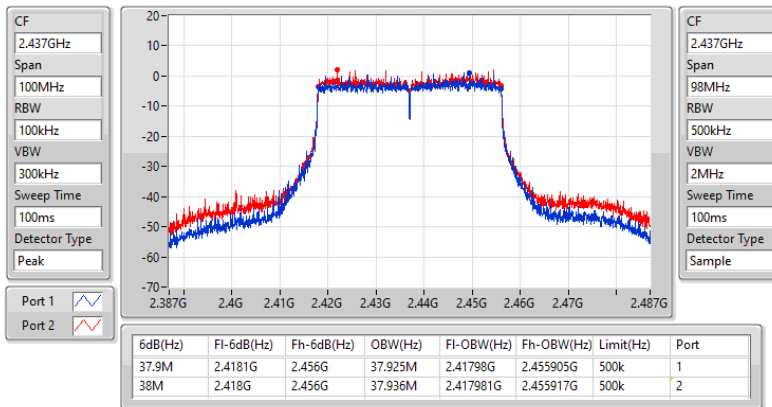

**2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
2422MHz**
EBW

13/10/2022

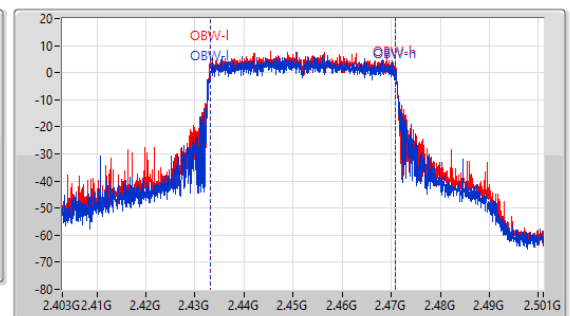
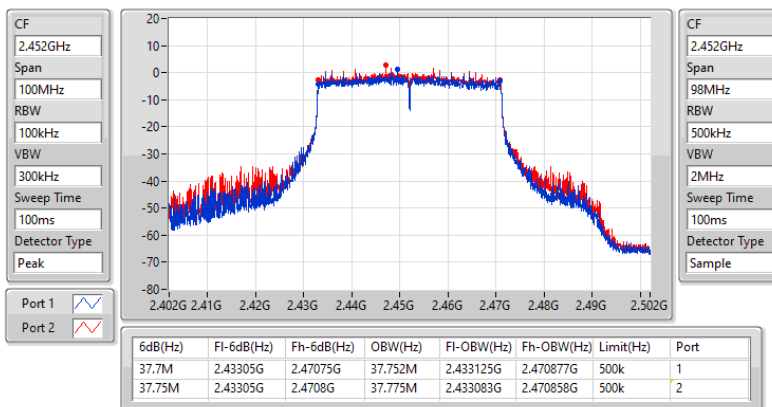


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
2437MHz
EBW

13/10/2022


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
2452MHz
EBW

13/10/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
	-	-
802.11b_Nss1,(1Mbps)_2TX	19.54	0.08995
802.11g_Nss1,(6Mbps)_2TX	21.25	0.13335
802.11ax HEW20_Nss1,(MCS0)_2TX	21.25	0.13335
802.11ax HEW40_Nss1,(MCS0)_2TX	20.81	0.12050



Average Power_Non-Beamforming

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.12	15.30	17.07	19.28	30.00
2437MHz	Pass	3.12	13.94	15.78	17.97	30.00
2462MHz	Pass	3.12	15.46	17.38	19.54	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.12	17.39	18.75	21.13	30.00
2437MHz	Pass	3.12	16.42	17.89	20.23	30.00
2462MHz	Pass	3.12	17.43	18.93	21.25	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.12	17.39	18.74	21.13	30.00
2437MHz	Pass	3.12	16.41	18.00	20.29	30.00
2462MHz	Pass	3.12	17.56	18.83	21.25	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.12	17.05	18.44	20.81	30.00
2437MHz	Pass	3.12	16.47	18.31	20.50	30.00
2452MHz	Pass	3.12	16.86	18.39	20.70	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.87	0.07709
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.16	0.10375

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.07	15.21	16.43	18.87	30.00
2437MHz	Pass	5.07	15.13	16.19	18.70	30.00
2462MHz	Pass	5.07	15.20	15.64	18.44	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.07	16.61	17.63	20.16	30.00
2437MHz	Pass	5.07	16.32	17.72	20.09	30.00
2452MHz	Pass	5.07	16.30	17.51	19.96	30.00

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



Summary

Mode	PD (dBm/RBW)
	-
802.11b_Nss1,(1Mbps)_2TX	-4.85
802.11g_Nss1,(6Mbps)_2TX	-6.32
802.11ax HEW20_Nss1,(MCS0)_2TX	-6.54
802.11ax HEW40_Nss1,(MCS0)_2TX	-9.32

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	5.07	-8.78	-7.10	-4.85	8.00
2437MHz	Pass	5.07	-11.16	-9.53	-7.34	8.00
2462MHz	Pass	5.07	-9.43	-7.53	-5.40	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.07	-8.91	-8.95	-7.49	8.00
2437MHz	Pass	5.07	-10.44	-10.02	-8.79	8.00
2462MHz	Pass	5.07	-9.89	-7.31	-6.32	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.07	-9.59	-8.22	-6.54	8.00
2437MHz	Pass	5.07	-10.25	-9.95	-8.37	8.00
2462MHz	Pass	5.07	-9.87	-8.62	-7.69	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.07	-11.72	-11.03	-9.32	8.00
2437MHz	Pass	5.07	-12.06	-10.51	-9.69	8.00
2452MHz	Pass	5.07	-11.83	-11.09	-9.41	8.00

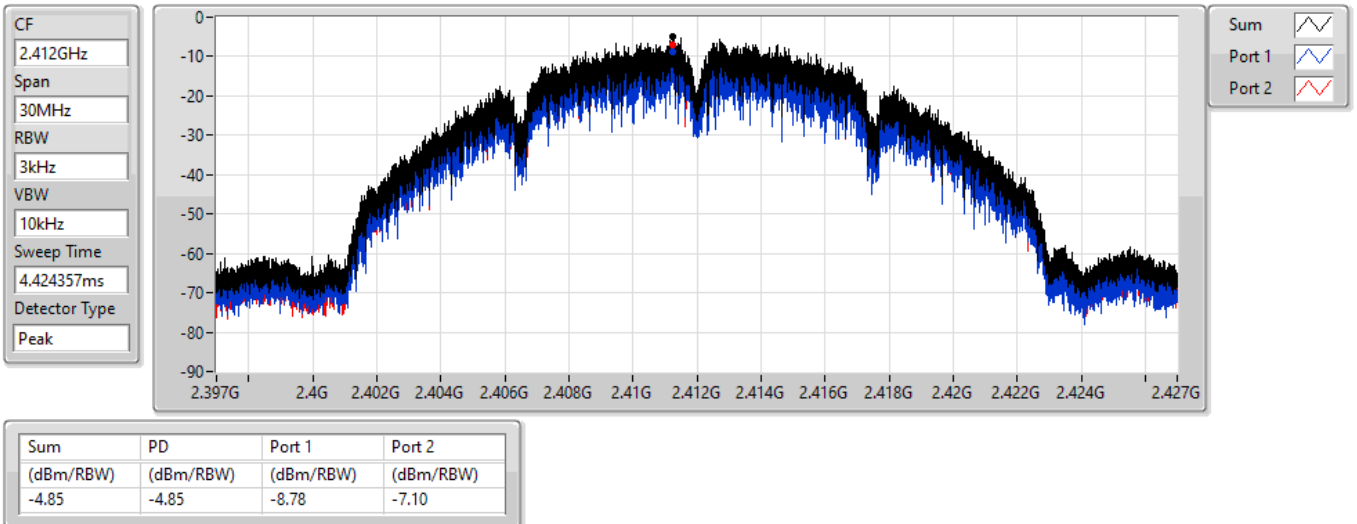
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

22/09/2022

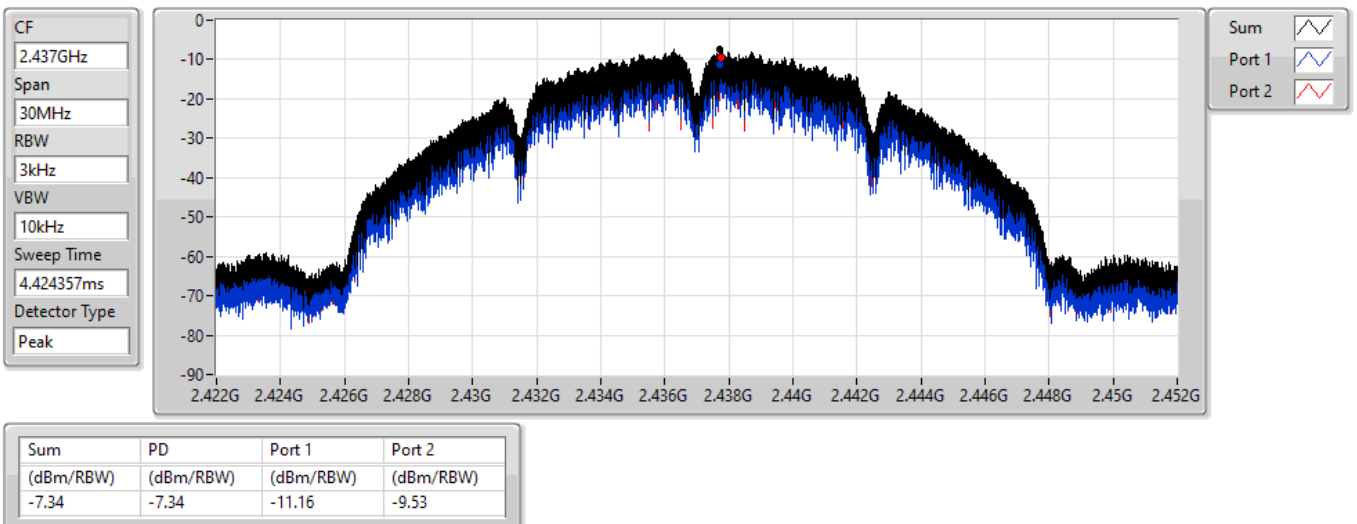


802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

22/09/2022

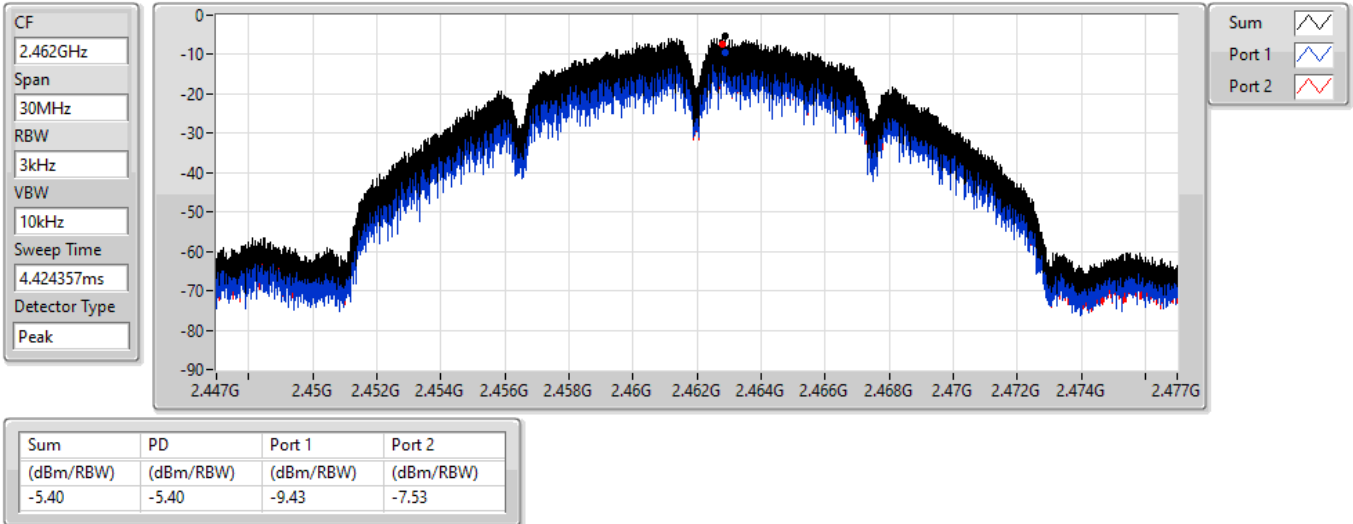


802.11b_Nss1,(1Mbps)_2TX

2462MHz

PSD

22/09/2022

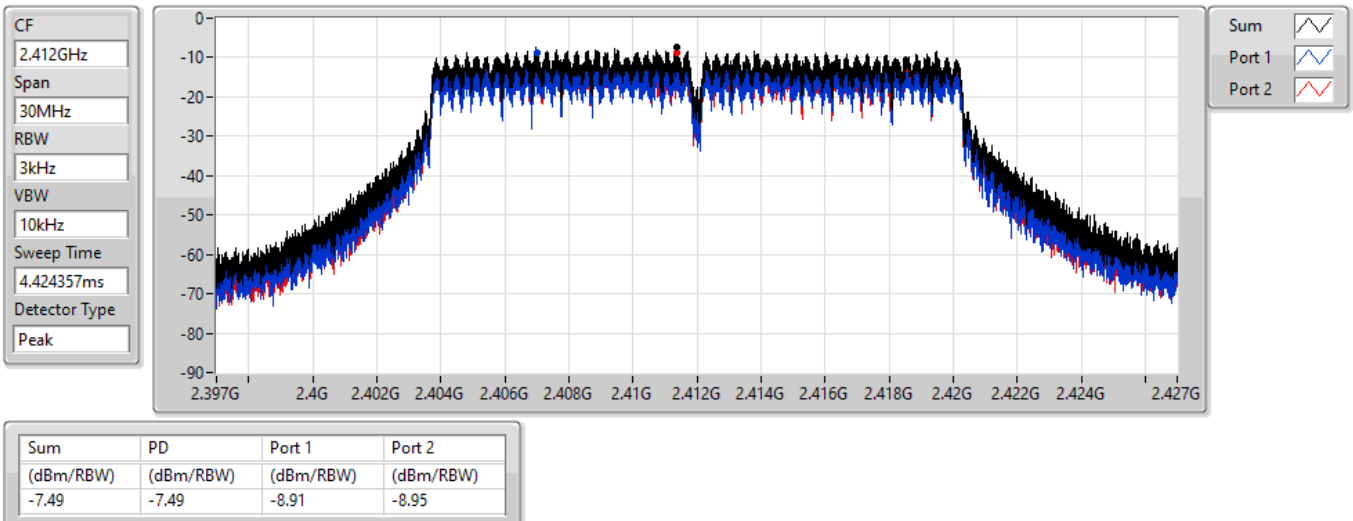


802.11g_Nss1,(6Mbps)_2TX

2412MHz

PSD

22/09/2022

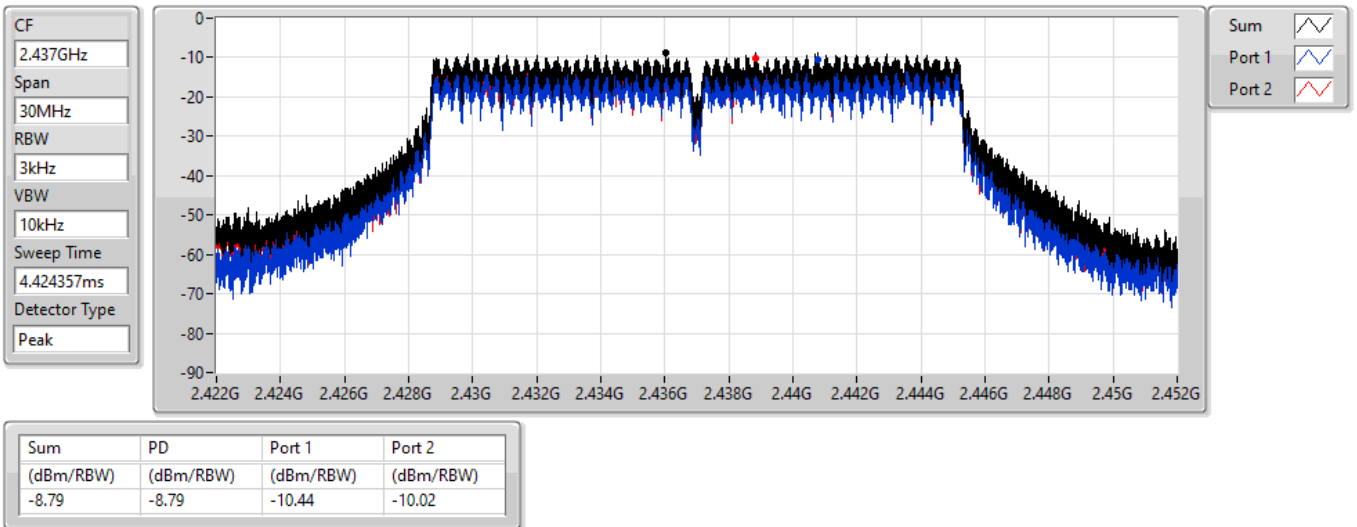


802.11g_Nss1,(6Mbps)_2TX

2437MHz

PSD

22/09/2022

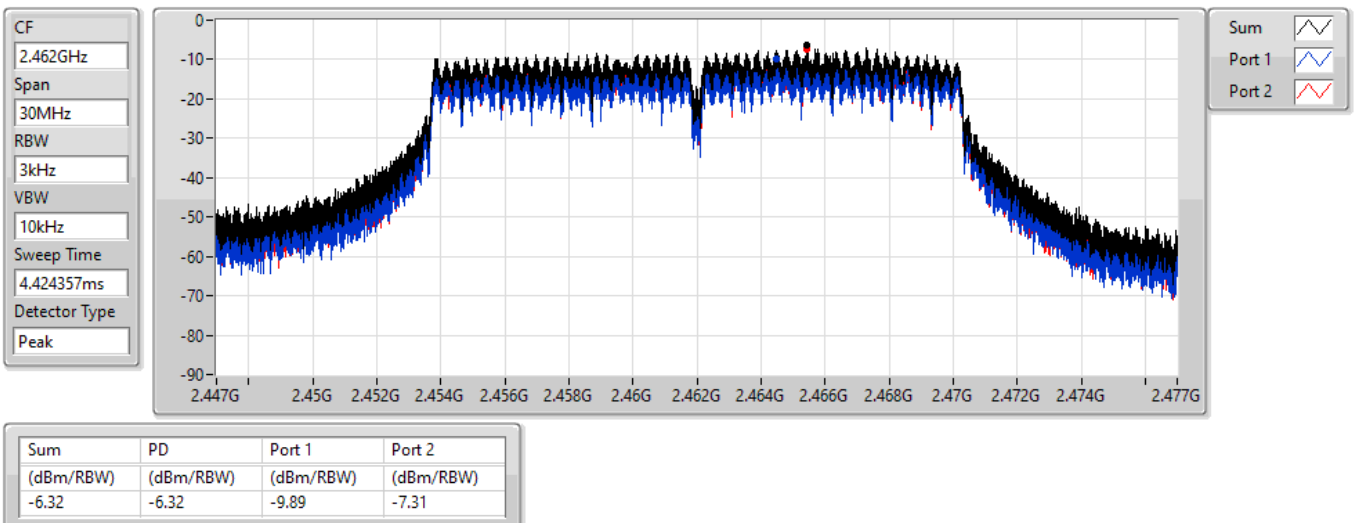


802.11g_Nss1,(6Mbps)_2TX

2462MHz

PSD

22/09/2022

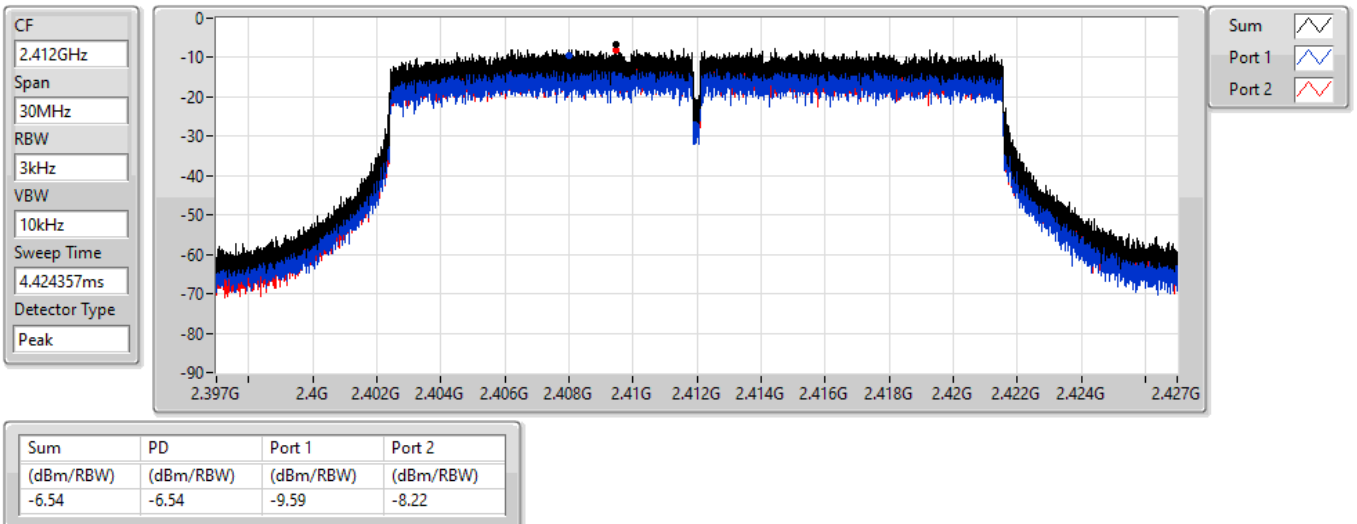


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

22/09/2022

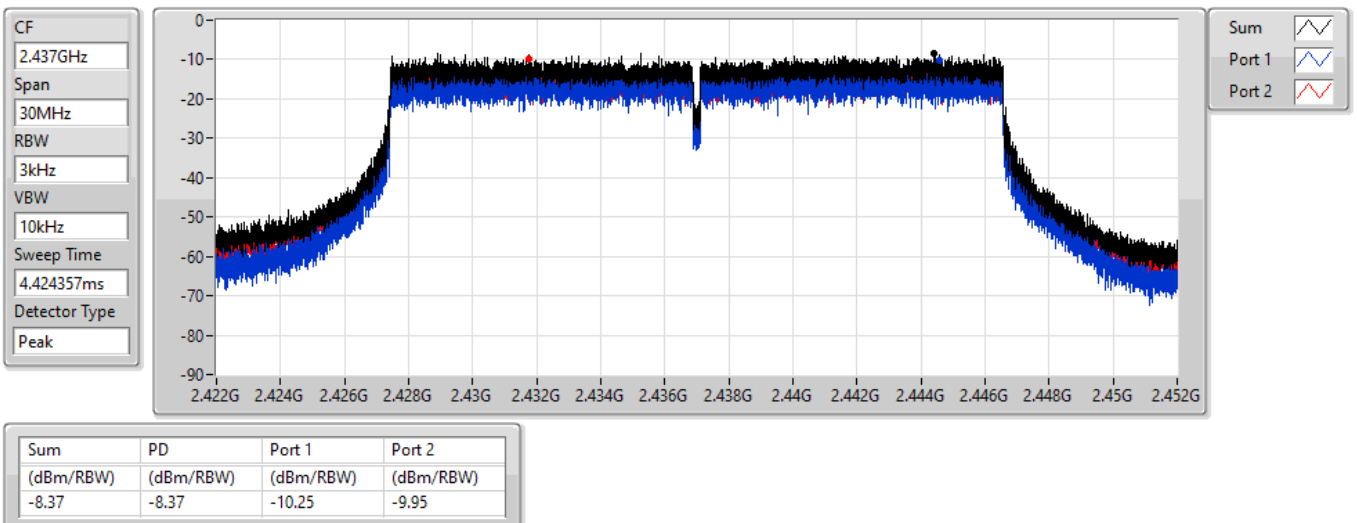


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

22/09/2022

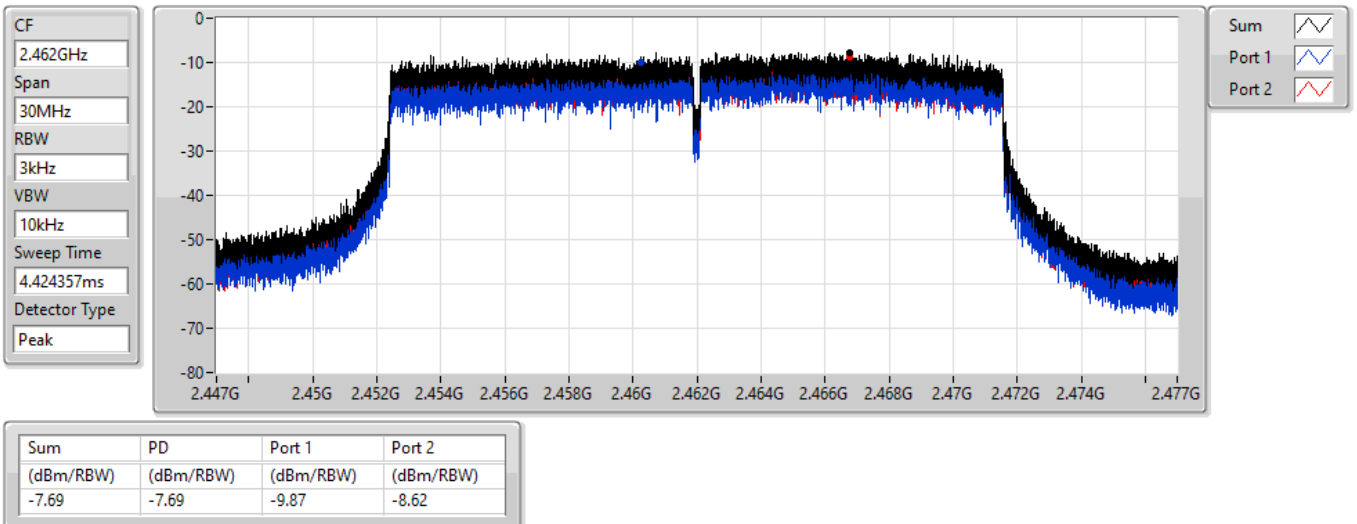


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

22/09/2022

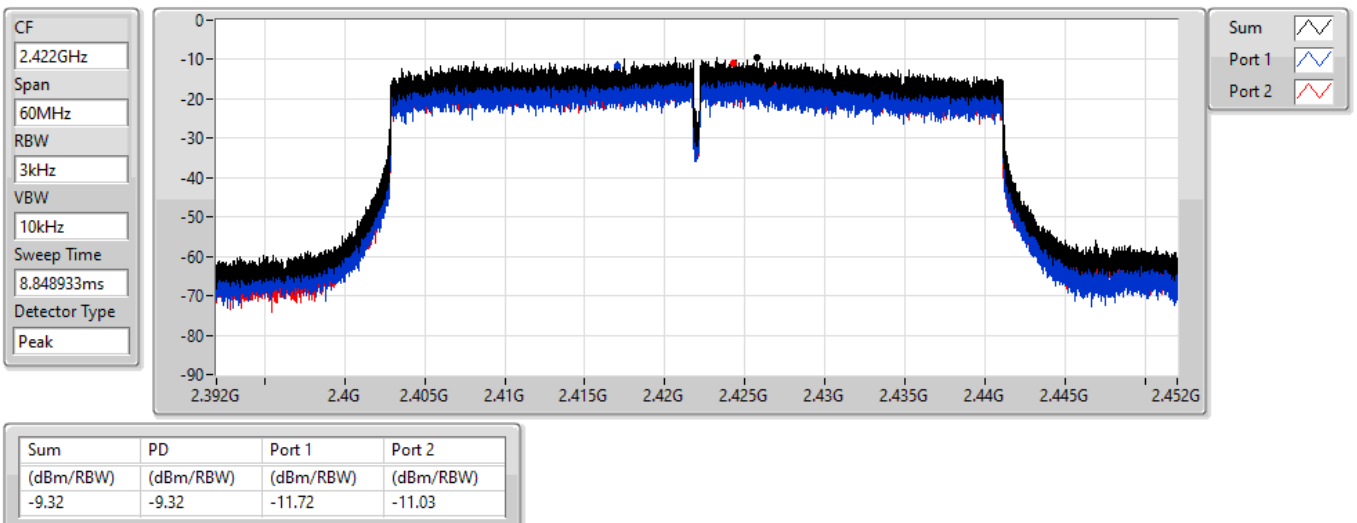


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

22/09/2022

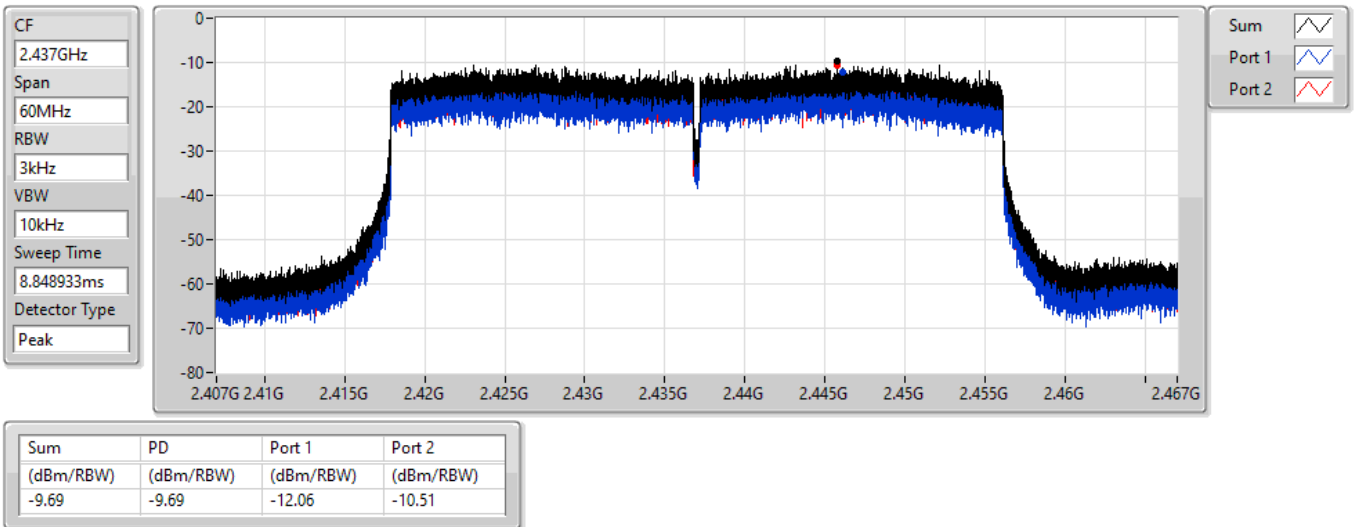


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

22/09/2022

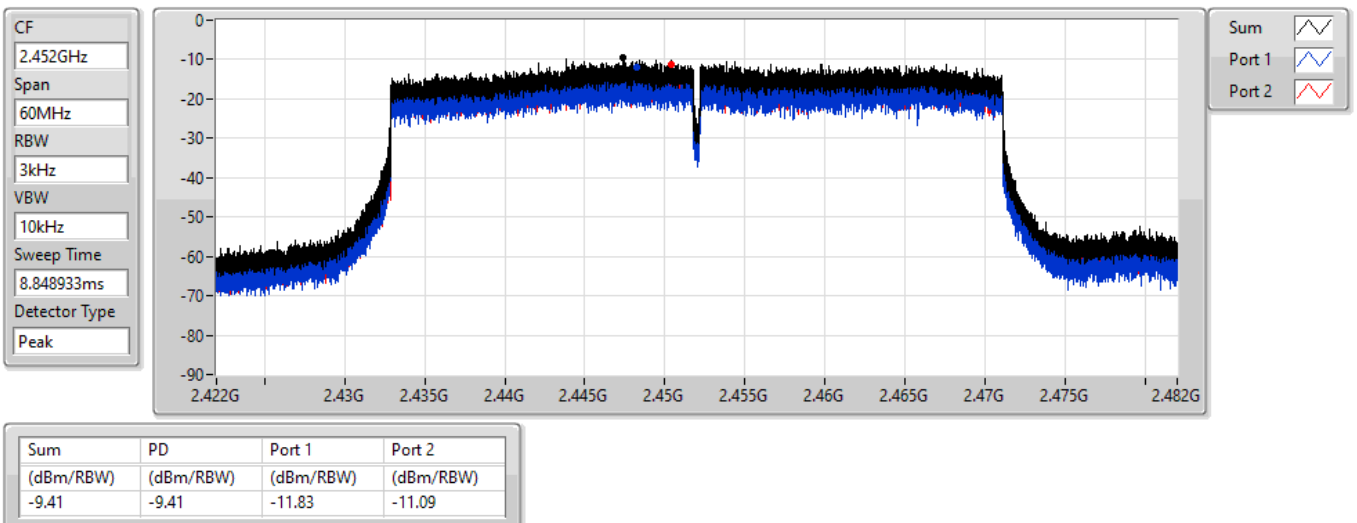


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

22/09/2022





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-8.41
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-10.63

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.07	-11.56	-10.27	-8.55	8.00
2437MHz	Pass	5.07	-11.94	-10.34	-9.11	8.00
2462MHz	Pass	5.07	-9.03	-10.60	-8.41	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.07	-14.95	-10.99	-10.63	8.00
2437MHz	Pass	5.07	-14.71	-13.05	-11.83	8.00
2452MHz	Pass	5.07	-14.85	-13.12	-12.14	8.00

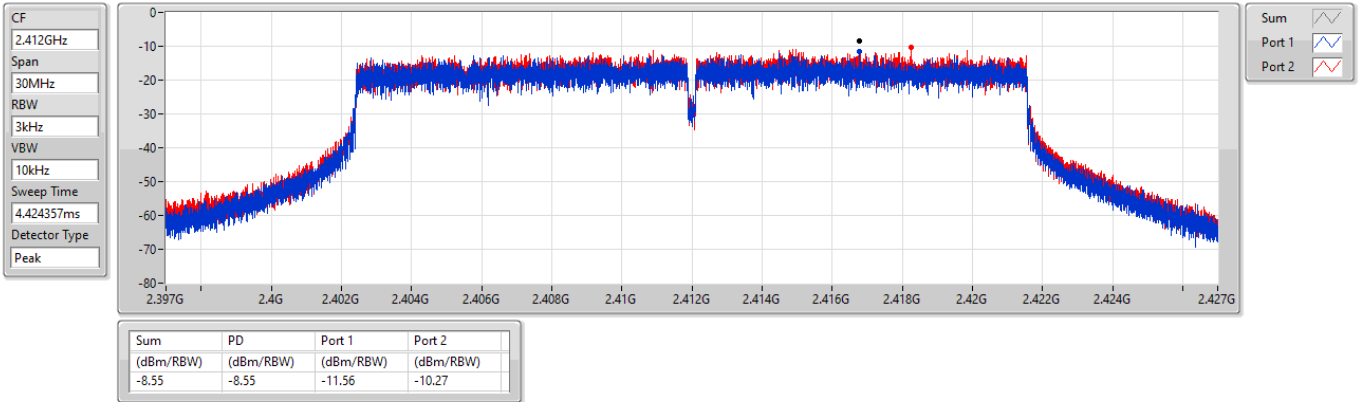
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz

PSD

12/10/2022

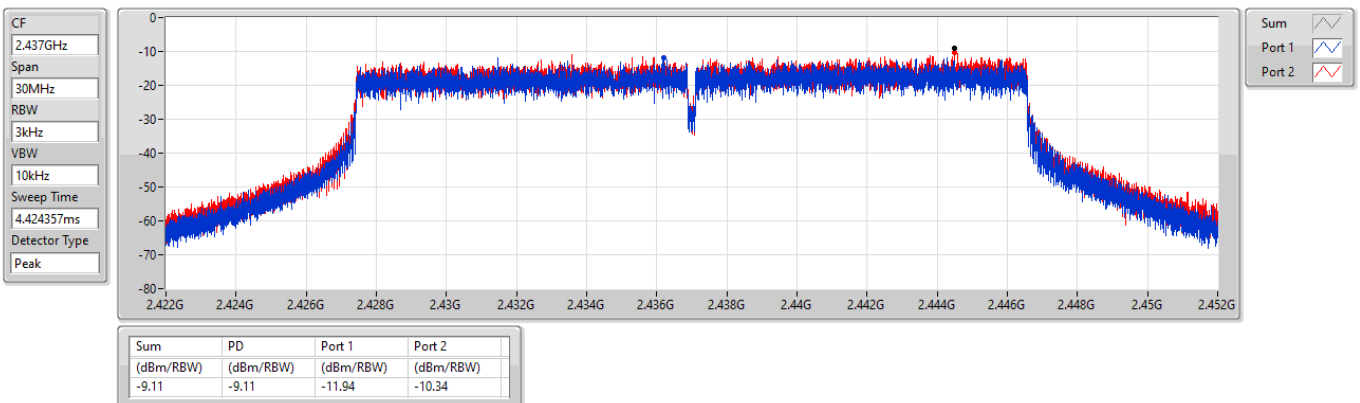


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz

PSD

12/10/2022

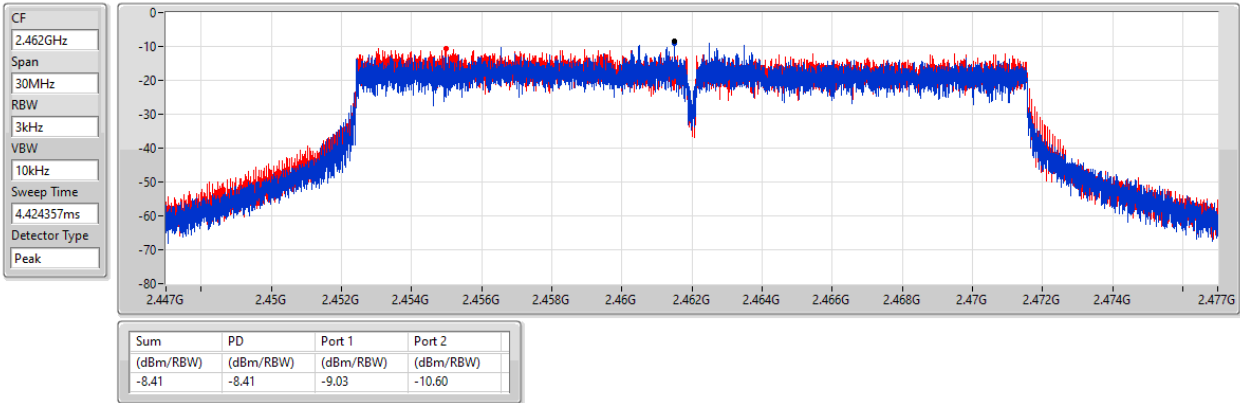


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz

PSD

12/10/2022

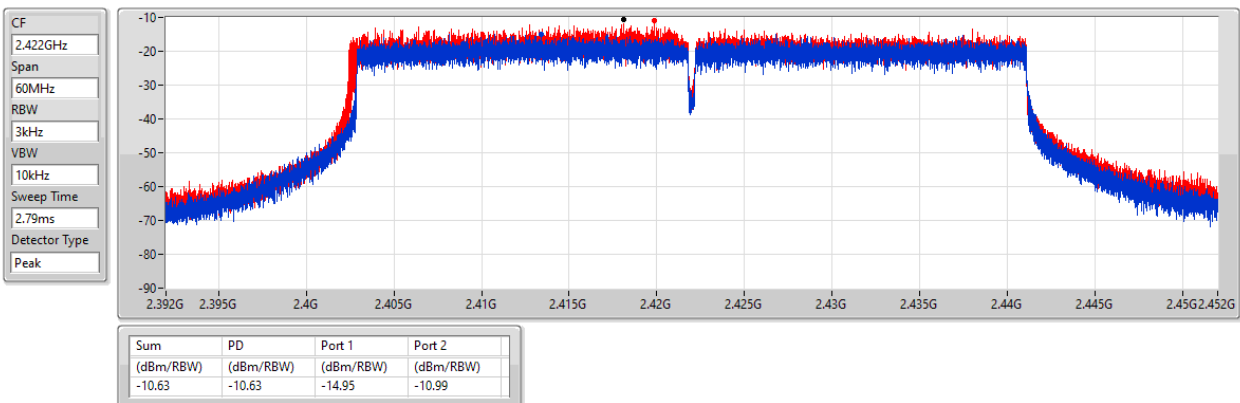


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz

PSD

13/10/2022

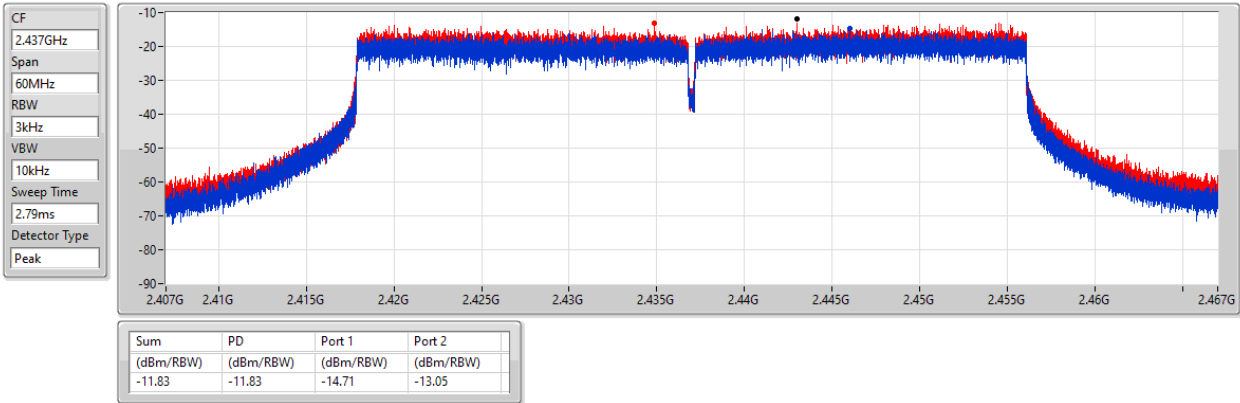


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz

PSD

13/10/2022

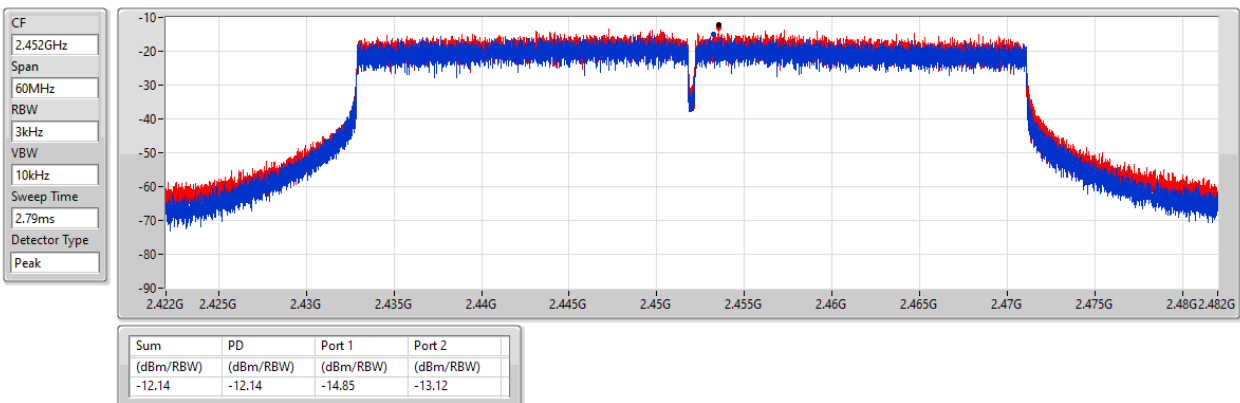


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz

PSD

13/10/2022



**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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.46296G	6.31	-23.69	2.14098G	-53.10	2.39944G	-46.73	2.4G	-46.57	2.50014G	-51.21	16.67808G	-41.31	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.46697G	6.12	-23.88	2.13982G	-52.62	2.39968G	-37.49	2.4G	-36.34	2.5131G	-51.26	16.39431G	-41.65	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.45578G	6.01	-23.99	1.86255G	-53.18	2.4G	-33.62	2.4G	-34.79	2.50398G	-51.44	24.96348G	-41.19	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.41687G	5.03	-24.97	1.98566G	-52.27	2.39984G	-38.38	2.4G	-40.15	2.54478G	-51.53	23.21349G	-41.08	2

Result

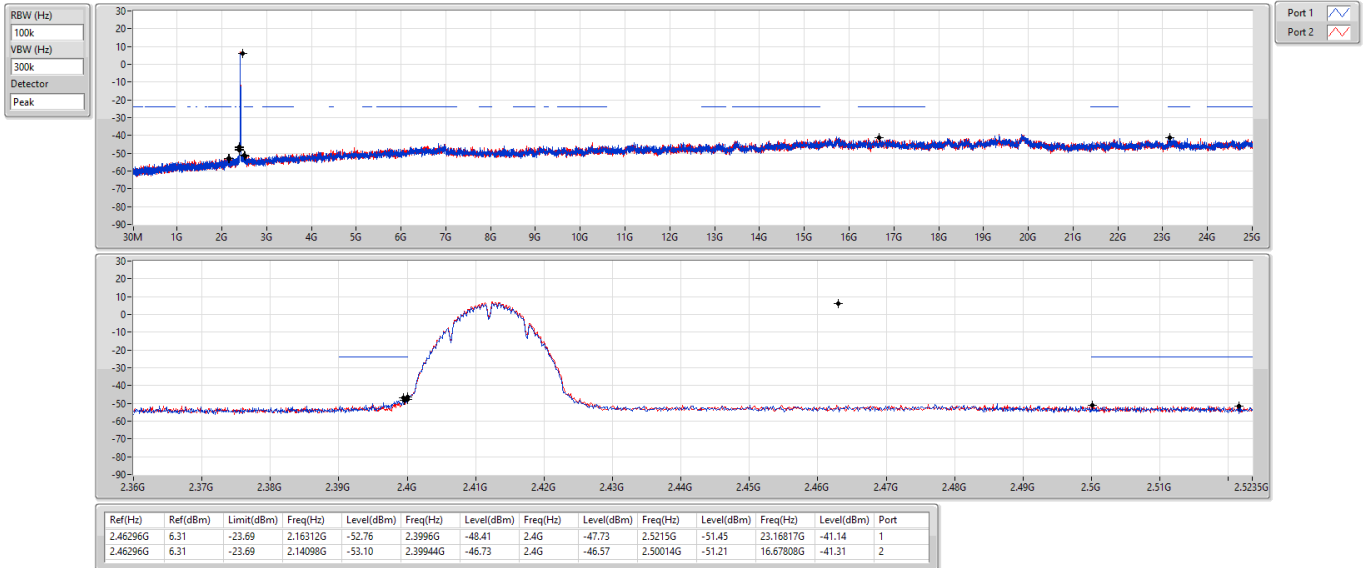
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46296G	6.31	-23.69	2.16312G	-52.76	2.3996G	-48.41	2.4G	-47.73	2.5215G	-51.45	23.16817G	-41.14	1
2412MHz	Pass	2.46296G	6.31	-23.69	2.14098G	-53.10	2.39944G	-46.73	2.4G	-46.57	2.50014G	-51.21	16.67808G	-41.31	2
2437MHz	Pass	2.46296G	6.31	-23.69	1.90216G	-53.32	2.39048G	-51.91	2.4G	-53.97	2.5099G	-51.28	23.2384G	-41.02	1
2437MHz	Pass	2.46296G	6.31	-23.69	2.30874G	-52.36	2.39856G	-51.97	2.4G	-53.37	2.50358G	-51.71	24.21613G	-41.03	2
2462MHz	Pass	2.46296G	6.31	-23.69	2.16894G	-52.18	2.39976G	-51.67	2.4G	-54.12	2.51846G	-50.94	16.44769G	-41.79	1
2462MHz	Pass	2.46296G	6.31	-23.69	2.16894G	-52.53	2.3908G	-51.55	2.4G	-52.98	2.50046G	-51.11	16.7146G	-42.14	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46697G	6.12	-23.88	2.13982G	-52.62	2.39968G	-37.49	2.4G	-36.34	2.5131G	-51.26	16.39431G	-41.65	1
2412MHz	Pass	2.46697G	6.12	-23.88	2.11885G	-52.40	2.39952G	-36.70	2.4G	-36.89	2.50134G	-51.00	14.91367G	-41.84	2
2437MHz	Pass	2.46697G	6.12	-23.88	2.30641G	-52.36	2.39776G	-51.39	2.4G	-53.28	2.51462G	-50.65	16.55726G	-40.84	1
2437MHz	Pass	2.46697G	6.12	-23.88	2.15496G	-51.88	2.3956G	-50.56	2.4G	-51.87	2.51766G	-49.78	17.46756G	-41.31	2
2462MHz	Pass	2.46697G	6.12	-23.88	2.30408G	-53.70	2.39424G	-51.33	2.4G	-54.00	2.51222G	-51.55	21.85329G	-41.81	1
2462MHz	Pass	2.46697G	6.12	-23.88	2.14215G	-52.03	2.3928G	-51.61	2.4G	-50.98	2.50206G	-50.77	16.26226G	-41.73	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.45578G	6.01	-23.99	2.11885G	-50.97	2.4G	-36.05	2.4G	-36.10	2.50206G	-50.57	16.6865G	-40.79	1
2412MHz	Pass	2.45578G	6.01	-23.99	1.86255G	-53.18	2.4G	-33.62	2.4G	-34.79	2.50398G	-51.44	24.96348G	-41.19	2
2437MHz	Pass	2.45578G	6.01	-23.99	2.1305G	-52.10	2.3976G	-52.00	2.4G	-53.01	2.52094G	-50.35	17.2428G	-41.03	1
2437MHz	Pass	2.45578G	6.01	-23.99	2.15263G	-52.91	2.4G	-50.42	2.4G	-50.56	2.52294G	-51.14	15.02324G	-41.19	2
2462MHz	Pass	2.45578G	6.01	-23.99	2.12351G	-51.69	2.39864G	-51.87	2.4G	-51.93	2.50606G	-51.10	23.17097G	-41.91	1
2462MHz	Pass	2.45578G	6.01	-23.99	2.14331G	-53.02	2.39872G	-51.06	2.4G	-51.78	2.50774G	-51.03	23.30302G	-42.40	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.41687G	5.03	-24.97	2.18718G	-52.71	2.4G	-40.61	2.4G	-40.84	2.50174G	-50.79	23.26678G	-41.86	1
2422MHz	Pass	2.41687G	5.03	-24.97	1.98566G	-52.27	2.39984G	-38.38	2.4G	-40.15	2.54478G	-51.53	23.21349G	-41.08	2
2437MHz	Pass	2.41687G	5.03	-24.97	2.30397G	-52.16	2.39936G	-44.61	2.4G	-46.91	2.50366G	-51.50	15.06344G	-41.82	1
2437MHz	Pass	2.41687G	5.03	-24.97	2.13909G	-52.63	2.39792G	-40.65	2.4G	-43.67	2.5219G	-51.41	16.40963G	-41.27	2
2452MHz	Pass	2.41687G	5.03	-24.97	1.85628G	-53.21	2.39664G	-51.54	2.4G	-52.56	2.51294G	-50.60	16.81068G	-41.38	1
2452MHz	Pass	2.41687G	5.03	-24.97	1.79101G	-52.35	2.4G	-51.55	2.4G	-50.49	2.5139G	-49.97	16.69569G	-40.90	2

802.11b_Nss1,(1Mbps)_2TX

2412MHz

CSEndB

12/10/2022

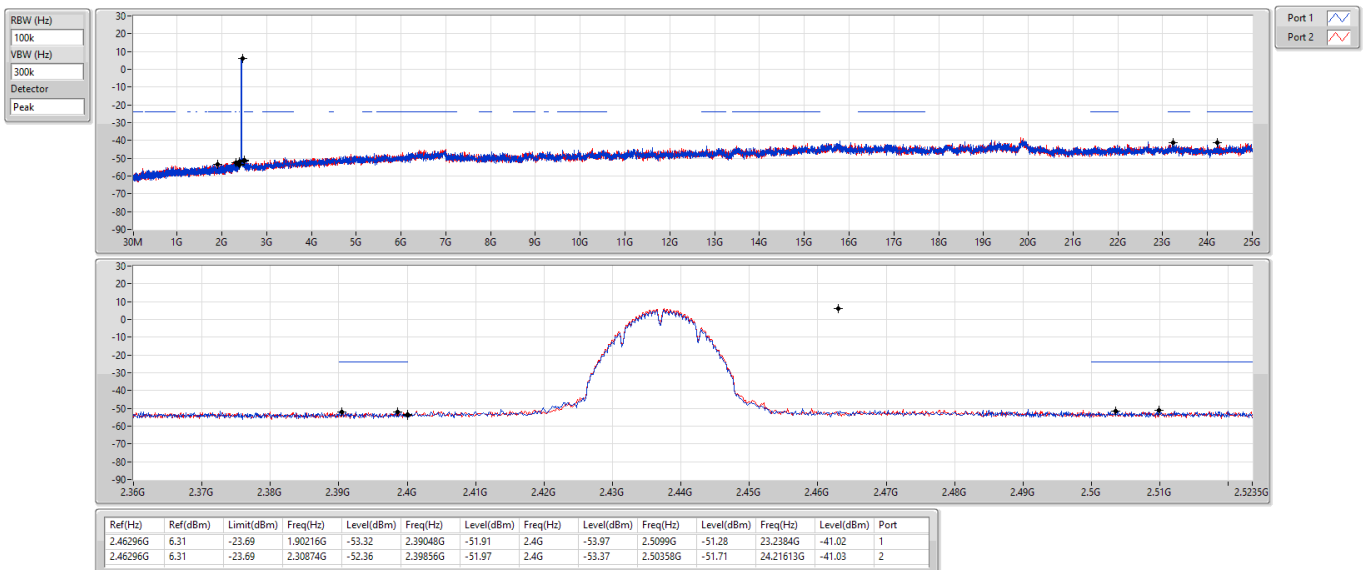


802.11b_Nss1,(1Mbps)_2TX

2437MHz

CSEndB

12/10/2022

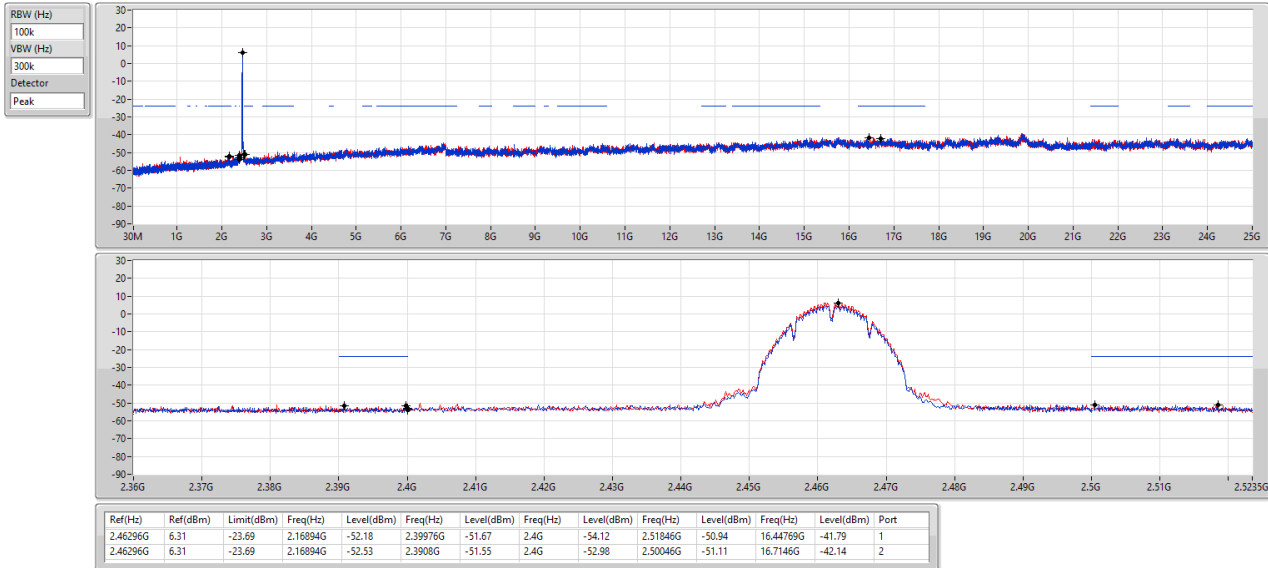


802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSEndB

12/10/2022

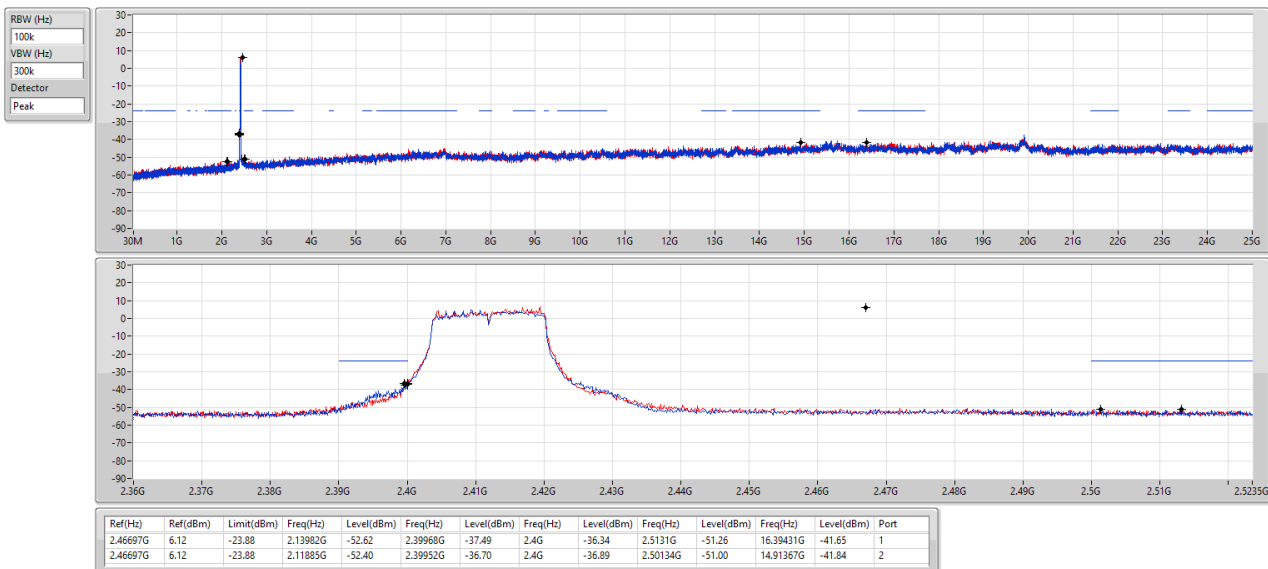


802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSEndB

12/10/2022

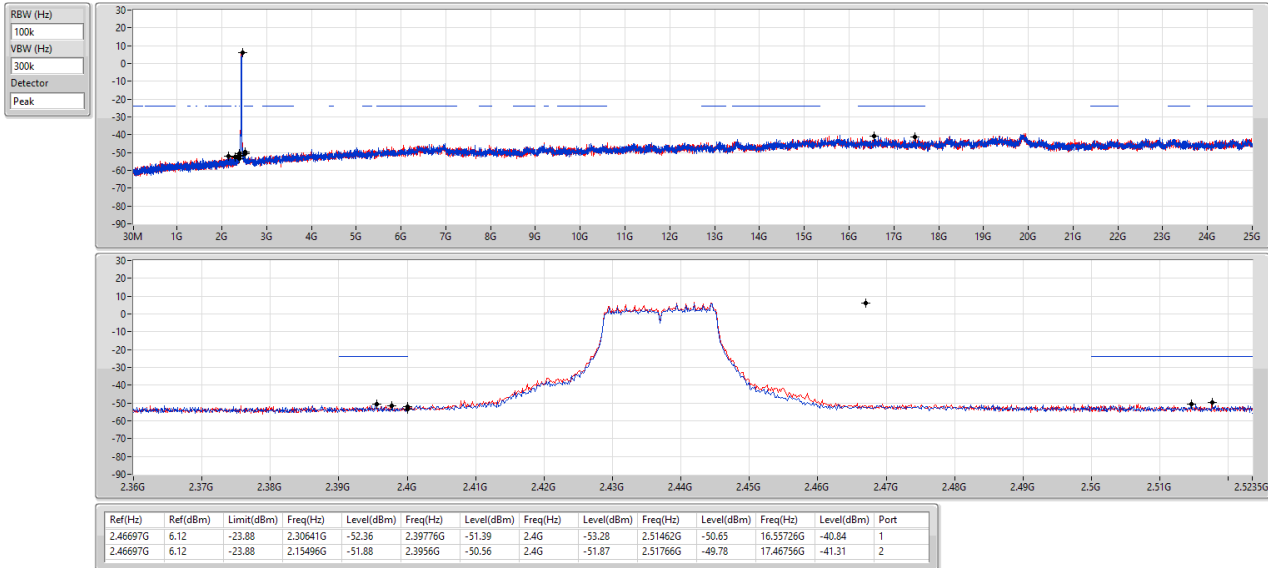


802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSEndB

12/10/2022

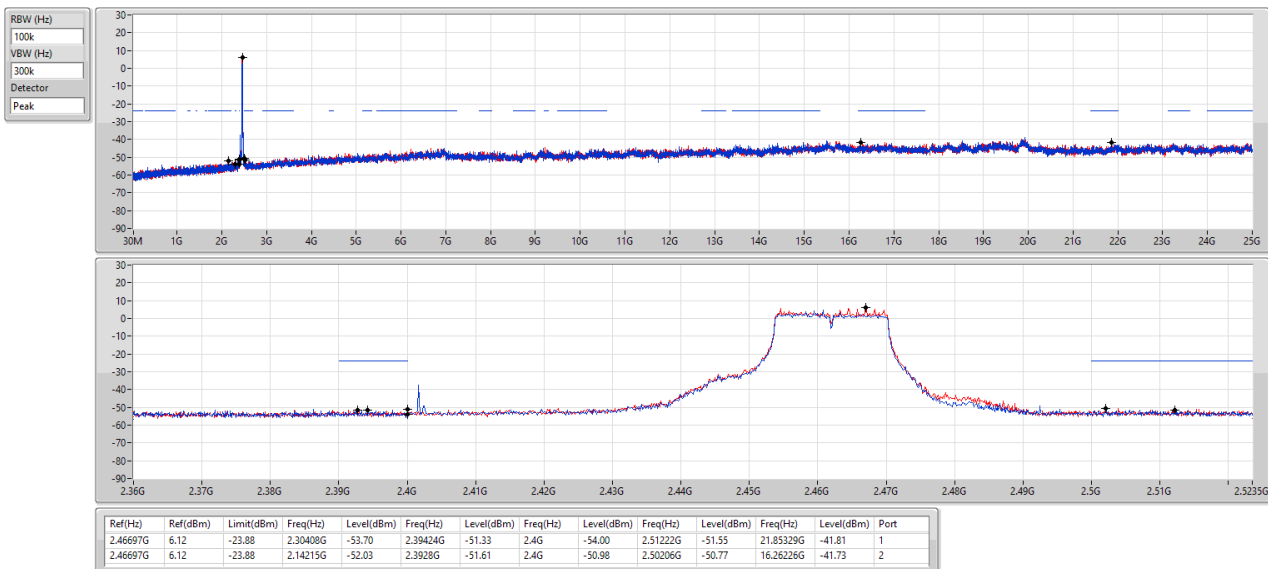


802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSEndB

12/10/2022

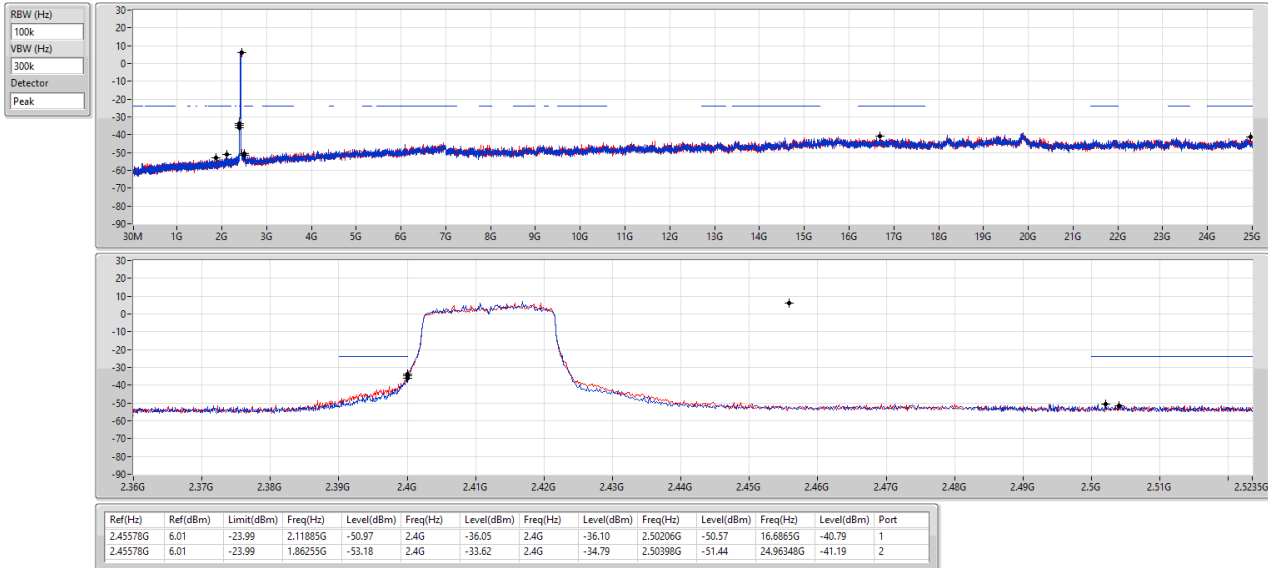


802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz

CSEndB

12/10/2022

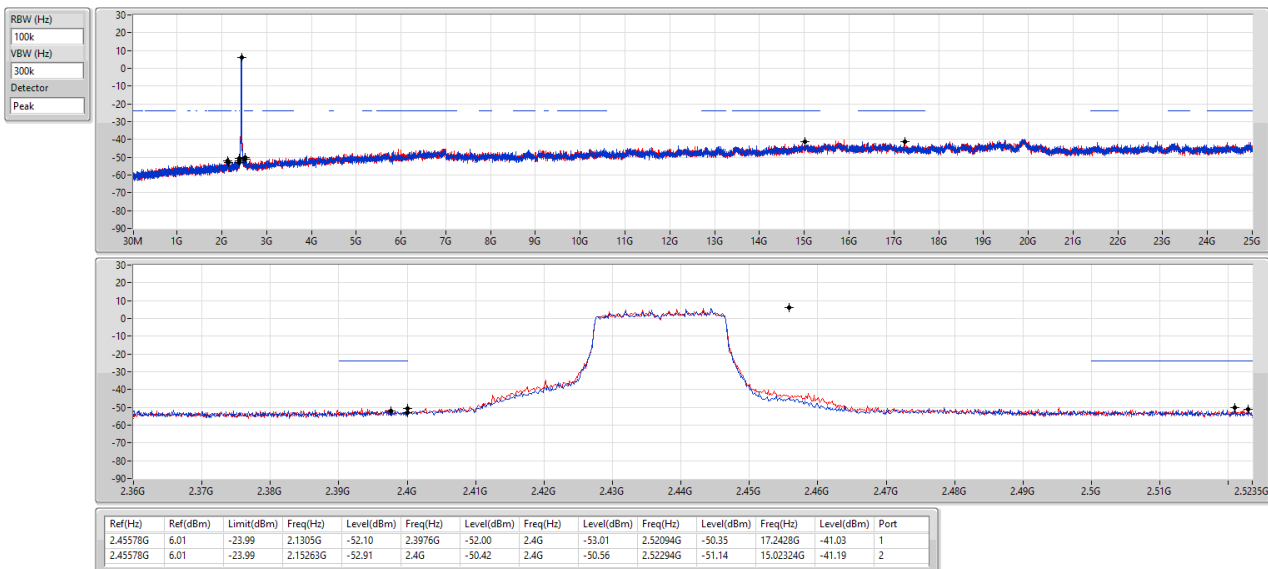


802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz

CSEndB

12/10/2022

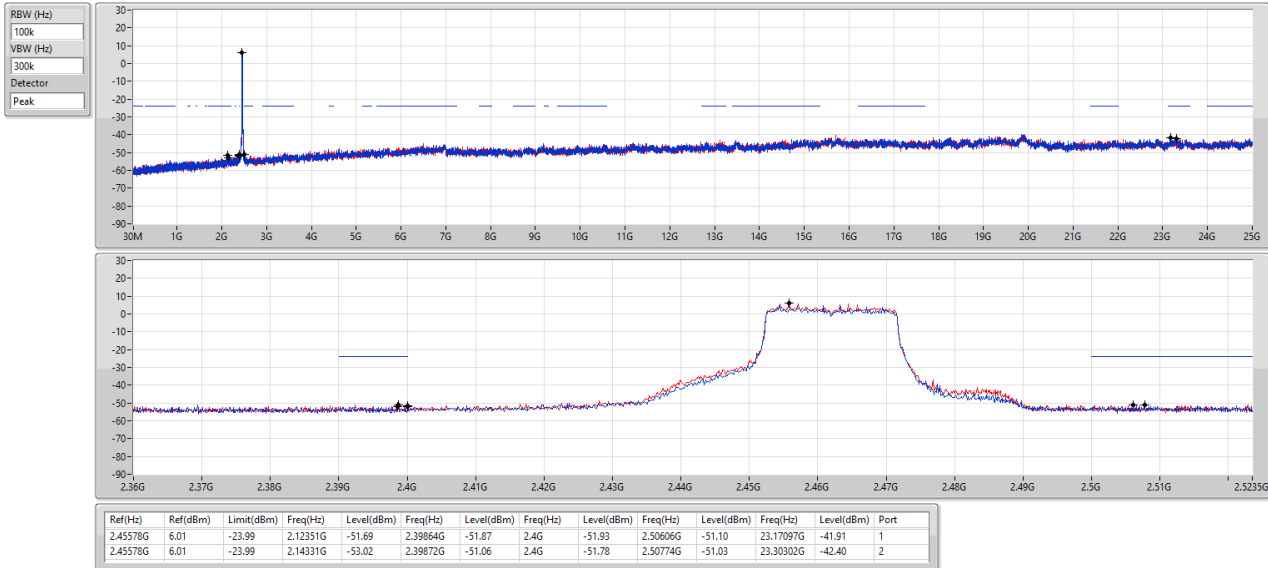


802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

CSEndB

12/10/2022

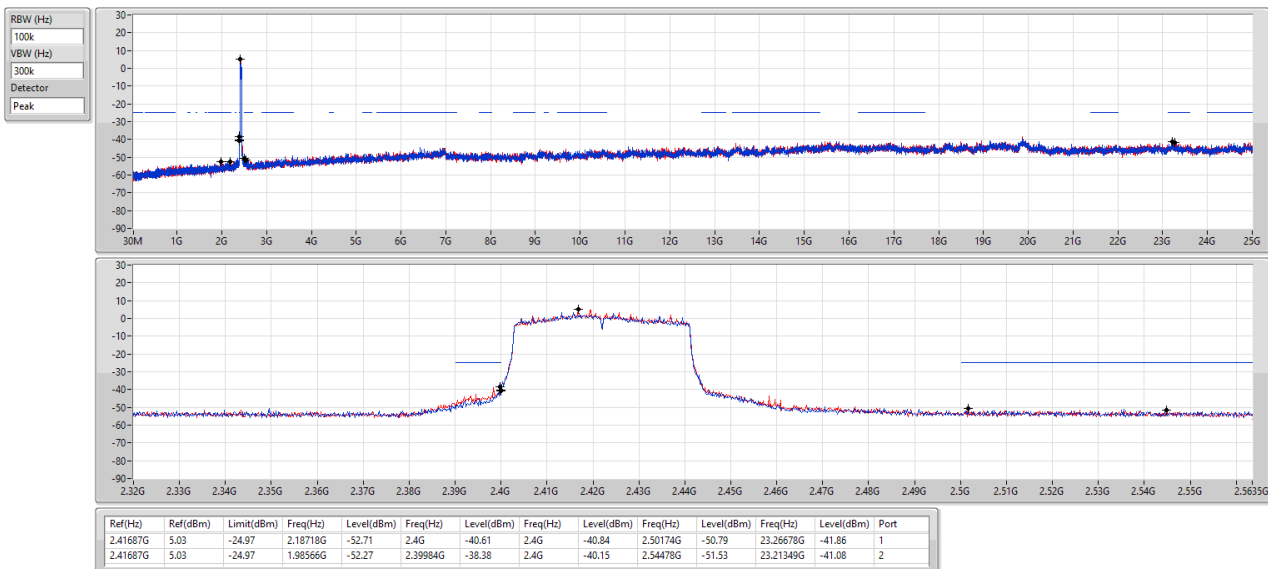


802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz

CSEndB

12/10/2022

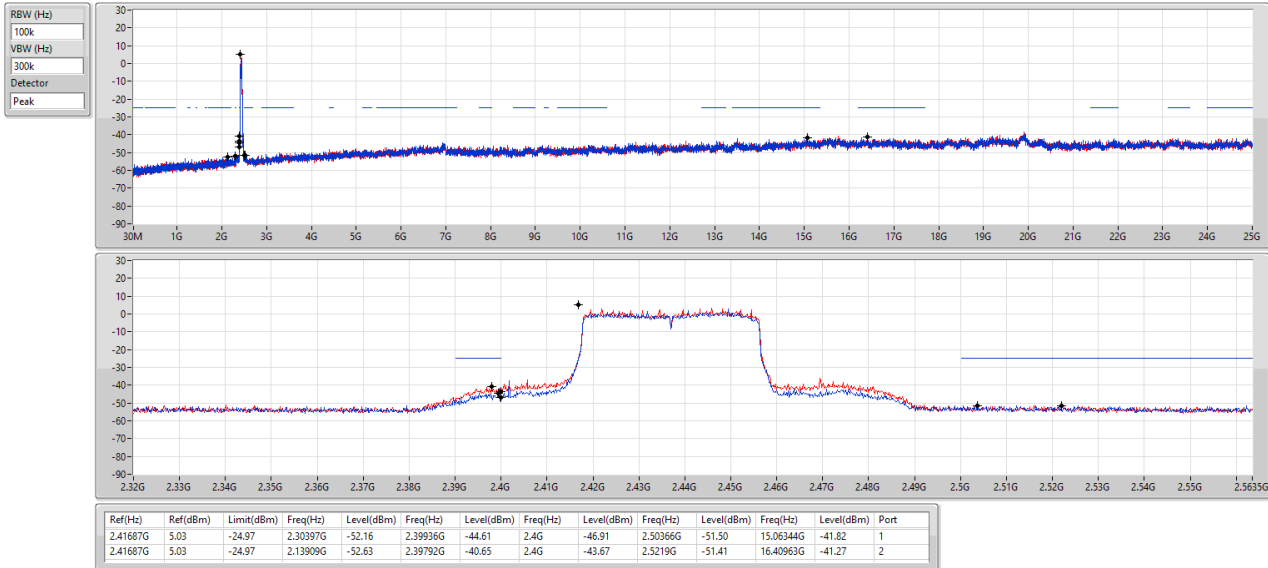


802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz

CSEndB

12/10/2022

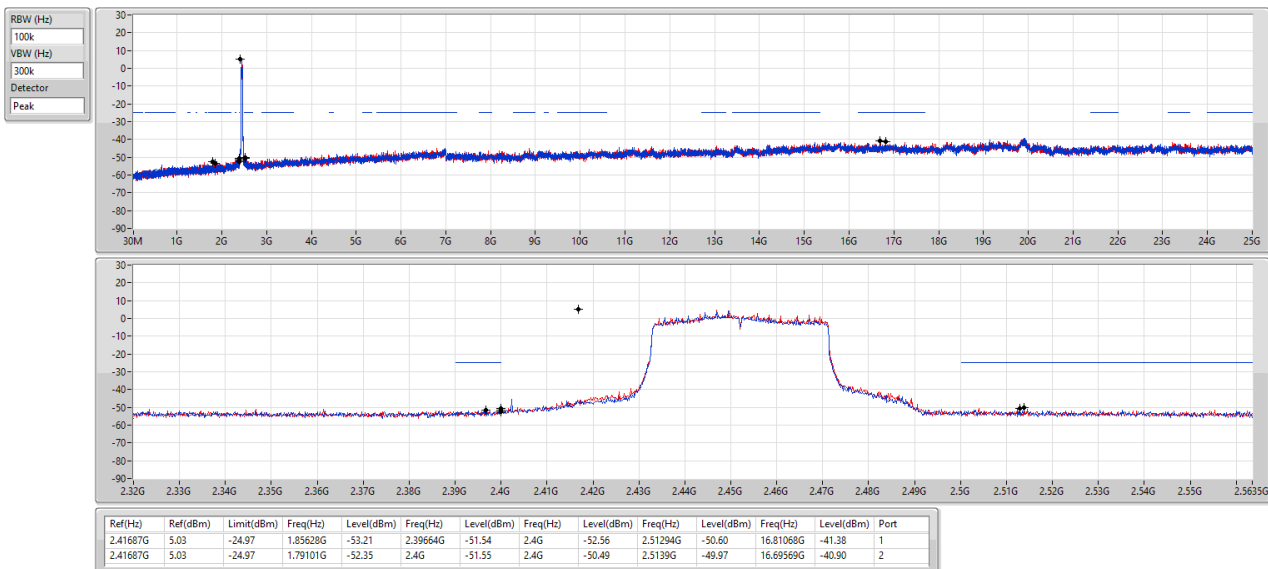


802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz

CSEndB

12/10/2022





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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.41687G	3.27	-26.73	2.30758G	-54.17	2.39952G	-30.96	2.4G	-29.84	2.50454G	-51.46	16.21169G	-41.14	1
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.41937G	0.88	-29.12	2.12879G	-54.12	2.39984G	-29.24	2.4G	-31.91	2.55486G	-54.50	13.04976G	-47.69	1

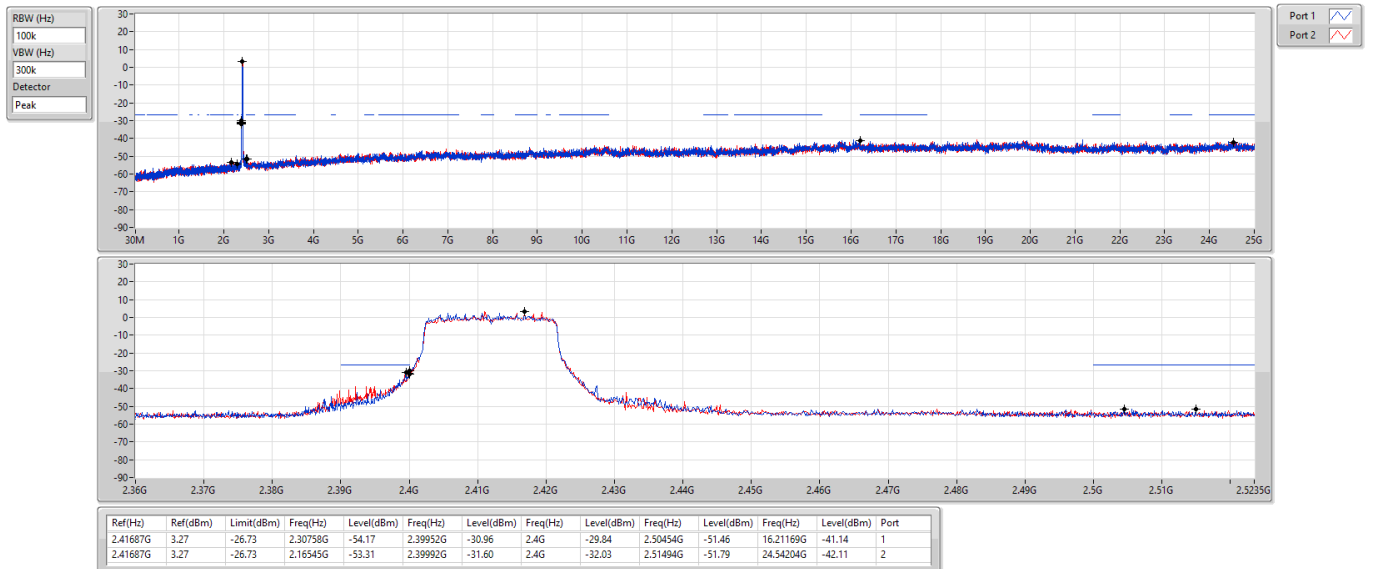
Result

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
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41687G	3.27	-26.73	2.30758G	-54.17	2.39952G	-30.96	2.4G	-29.84	2.50454G	-51.46	16.21169G	-41.14	1
2412MHz	Pass	2.41687G	3.27	-26.73	2.16545G	-53.31	2.39992G	-31.60	2.4G	-32.03	2.51494G	-51.79	24.54204G	-42.11	2
2437MHz	Pass	2.41687G	3.27	-26.73	2.11768G	-53.67	2.39808G	-53.17	2.4G	-53.99	2.52238G	-52.18	17.6558G	-41.86	1
2437MHz	Pass	2.41687G	3.27	-26.73	2.09438G	-54.49	2.4G	-53.03	2.4G	-52.94	2.5179G	-51.45	21.93196G	-40.50	2
2462MHz	Pass	2.41687G	3.27	-26.73	2.16778G	-53.26	2.3968G	-53.14	2.4G	-53.31	2.5051G	-52.02	15.19463G	-41.90	1
2462MHz	Pass	2.41687G	3.27	-26.73	1.96041G	-54.30	2.39464G	-52.78	2.4G	-55.16	2.50766G	-51.93	15.17496G	-41.47	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.41937G	0.88	-29.12	2.12879G	-54.12	2.39984G	-29.24	2.4G	-31.91	2.55486G	-54.50	13.04976G	-47.69	1
2422MHz	Pass	2.41937G	0.88	-29.12	1.98223G	-53.40	2.39968G	-32.90	2.4G	-32.82	2.52606G	-53.28	21.4943G	-45.59	2
2437MHz	Pass	2.41937G	0.88	-29.12	2.16314G	-54.23	2.39952G	-43.79	2.4G	-47.84	2.53534G	-53.79	12.76369G	-47.51	1
2437MHz	Pass	2.41937G	0.88	-29.12	2.03833G	-54.89	2.39952G	-39.92	2.4G	-46.34	2.55486G	-54.36	21.82243G	-45.16	2
2452MHz	Pass	2.41937G	0.88	-29.12	1.97078G	-53.75	2.3944G	-51.72	2.4G	-54.15	2.50222G	-53.77	13.10866G	-47.37	1
2452MHz	Pass	2.41937G	0.88	-29.12	1.82078G	-54.01	2.3992G	-49.74	2.4G	-54.04	2.52334G	-53.82	21.75793G	-45.50	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz

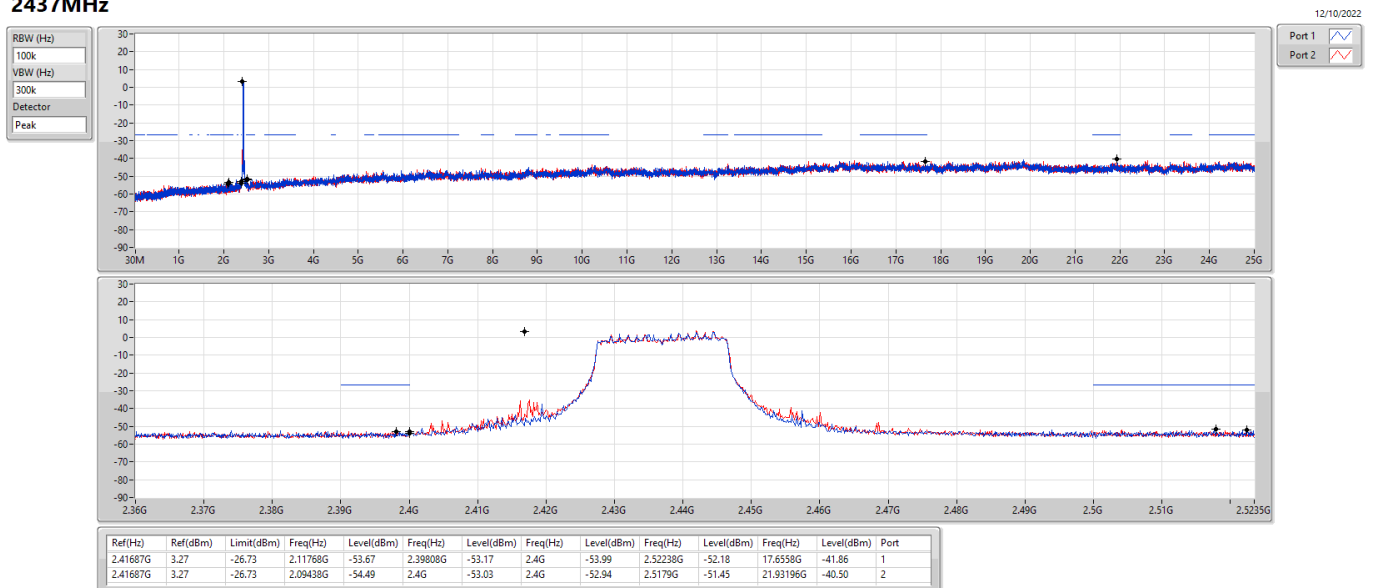
CSEndB



2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz

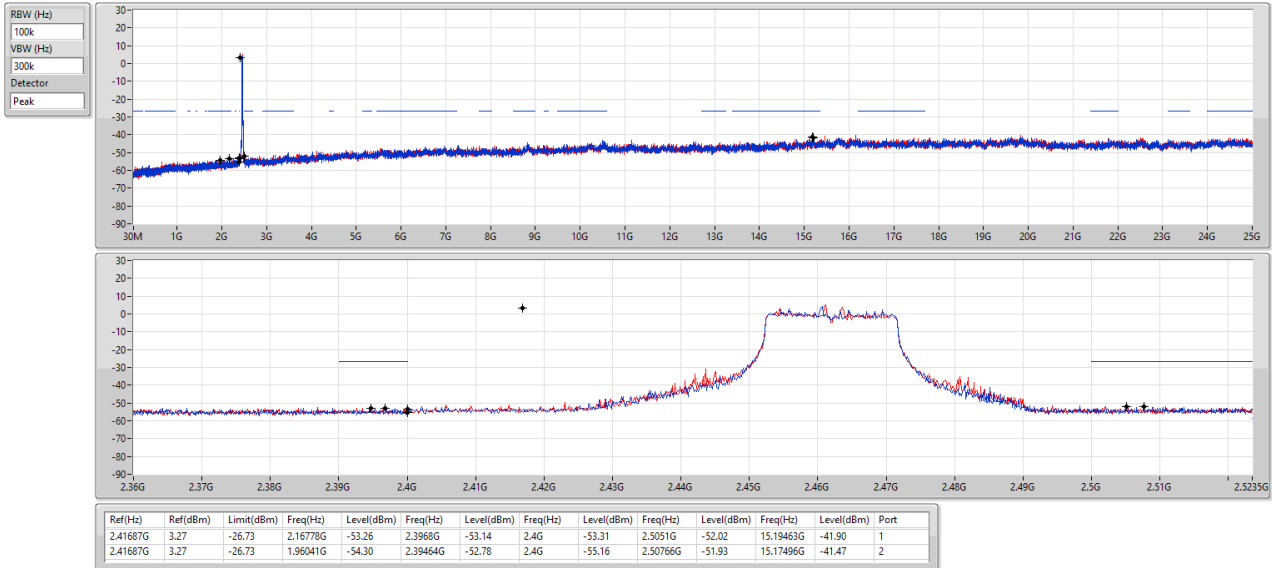
CSEndB



2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSEndB

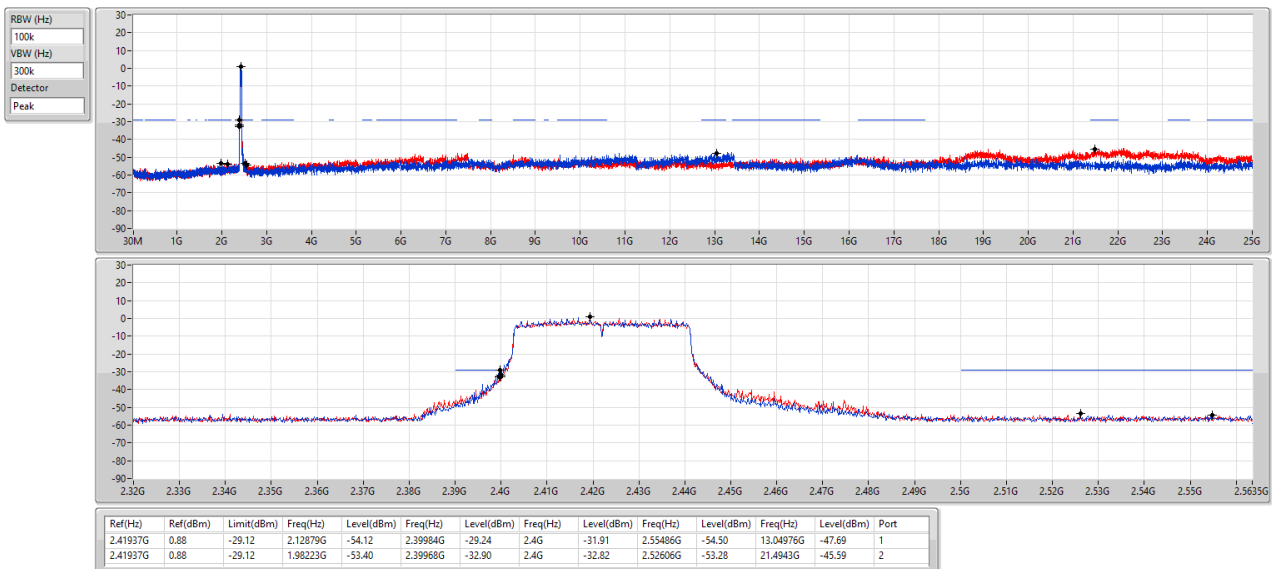
2462MHz



2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSEndB

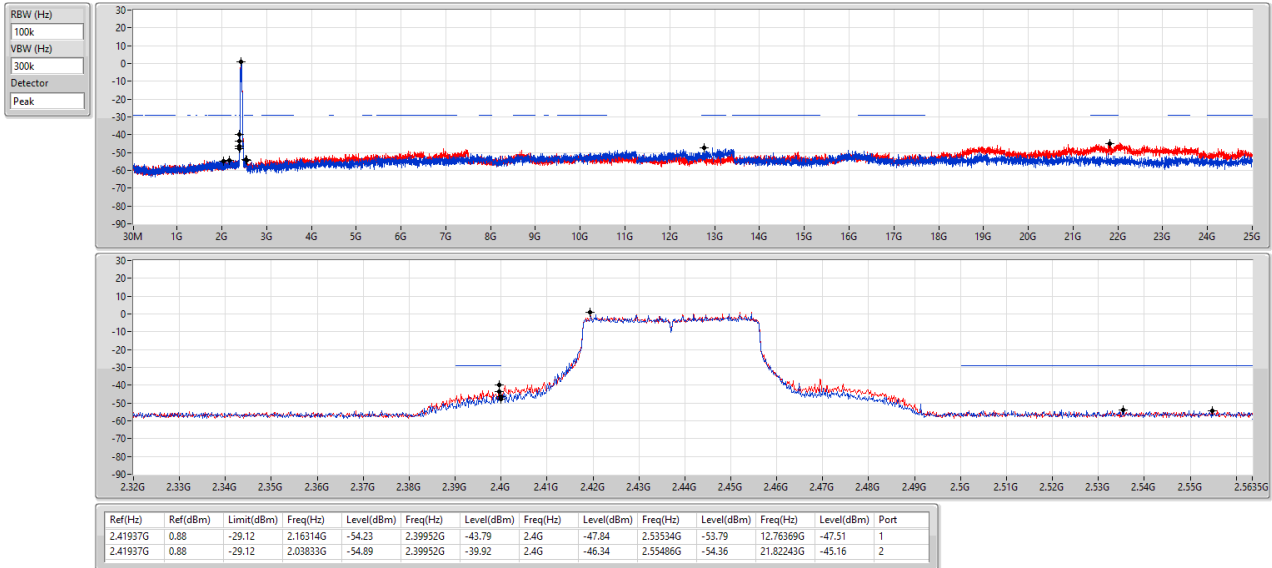
2422MHz



2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSENdB

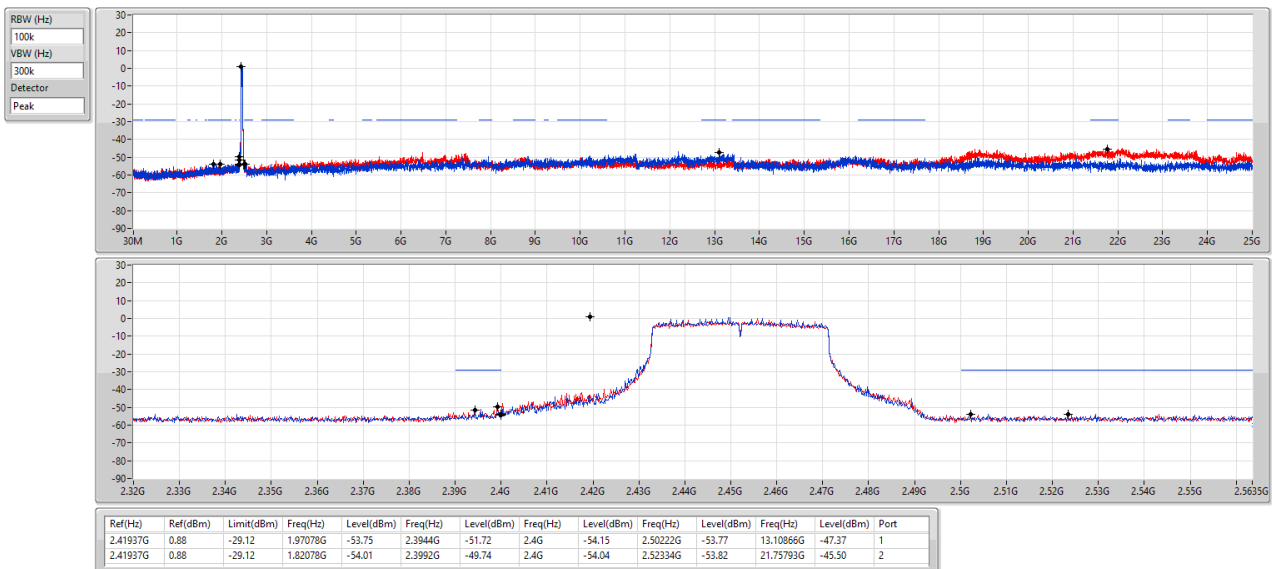
2437MHz



2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSENdB

2452MHz





Summary

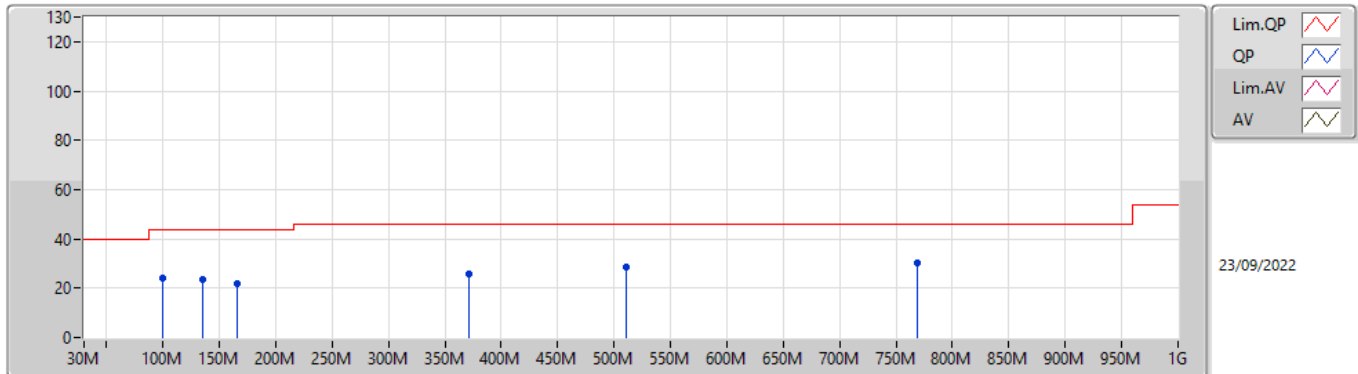
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	266.68M	31.52	46.00	-14.48	3	Horizontal	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	99.84M	24.31	43.50	-19.19	3	Vertical	0	1.00	-
2437MHz	Pass	PK	134.76M	23.40	43.50	-20.10	3	Vertical	0	1.00	-
2437MHz	Pass	PK	165.8M	21.95	43.50	-21.55	3	Vertical	0	1.00	-
2437MHz	Pass	PK	371.44M	25.58	46.00	-20.42	3	Vertical	0	1.00	-
2437MHz	Pass	PK	511.12M	28.46	46.00	-17.54	3	Vertical	0	1.00	-
2437MHz	Pass	PK	769.14M	30.44	46.00	-15.56	3	Vertical	0	1.00	-
2437MHz	Pass	PK	140.58M	24.85	43.50	-18.65	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	239.52M	25.52	46.00	-20.48	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	315.18M	27.44	46.00	-18.56	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	511.12M	28.04	46.00	-17.96	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	561.56M	27.20	46.00	-18.80	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	769.14M	30.72	46.00	-15.28	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	97.9M	23.49	43.50	-20.01	3	Vertical	0	1.00	-
2437MHz	Pass	PK	165.8M	22.47	43.50	-21.03	3	Vertical	0	1.00	-
2437MHz	Pass	PK	371.44M	25.24	46.00	-20.76	3	Vertical	0	1.00	-
2437MHz	Pass	PK	511.12M	28.29	46.00	-17.71	3	Vertical	0	1.00	-
2437MHz	Pass	PK	553.8M	28.10	46.00	-17.90	3	Vertical	0	1.00	-
2437MHz	Pass	PK	641.1M	28.80	46.00	-17.20	3	Vertical	0	1.00	-
2437MHz	Pass	PK	99.84M	24.22	43.50	-19.28	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	202.66M	28.38	43.50	-15.12	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	266.68M	31.52	46.00	-14.48	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	297.72M	29.22	46.00	-16.78	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	511.12M	29.42	46.00	-16.58	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	672.14M	28.52	46.00	-17.48	3	Horizontal	360	1.00	-

802.11ax HEW40_Nss1,(MCS0)_2TX

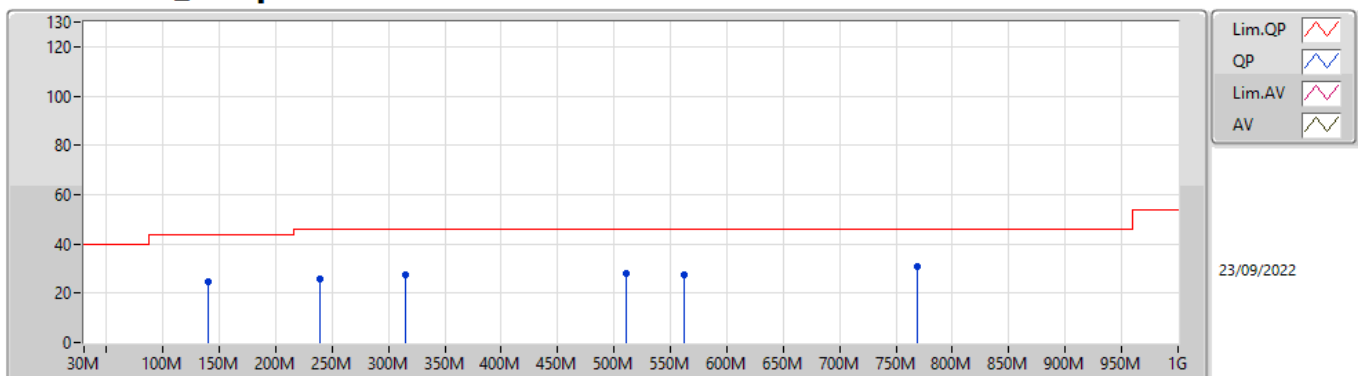
2437MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	99.84M	24.31	43.50	-19.19	-9.86	3	Vertical	0	1.00	-	34.17	15.85	1.64	27.35
PK	134.76M	23.40	43.50	-20.10	-8.60	3	Vertical	0	1.00	-	32.00	16.71	1.90	27.21
PK	165.8M	21.95	43.50	-21.55	-10.08	3	Vertical	0	1.00	-	32.03	14.88	2.12	27.08
PK	371.44M	25.58	46.00	-20.42	-3.81	3	Vertical	0	1.00	-	29.39	19.95	3.24	27.00
PK	511.12M	28.46	46.00	-17.54	-1.17	3	Vertical	0	1.00	-	29.63	22.80	3.85	27.82
PK	769.14M	30.44	46.00	-15.56	2.18	3	Vertical	0	1.00	-	28.26	25.13	4.81	27.76

802.11ax HEW40_Nss1,(MCS0)_2TX

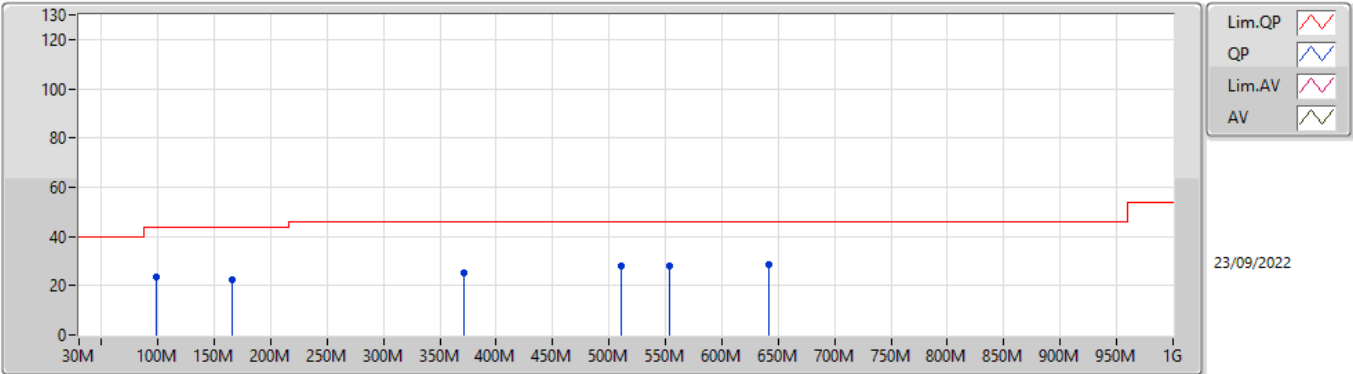
2437MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	140.58M	24.85	43.50	-18.65	-8.95	3	Horizontal	360	1.00	-	33.80	16.30	1.94	27.19
PK	239.52M	25.52	46.00	-20.48	-7.84	3	Horizontal	360	1.00	-	33.36	16.31	2.57	26.72
PK	315.18M	27.44	46.00	-18.56	-5.00	3	Horizontal	360	1.00	-	32.44	18.70	2.99	26.69
PK	511.12M	28.04	46.00	-17.96	-1.17	3	Horizontal	360	1.00	-	29.21	22.80	3.85	27.82
PK	561.56M	27.20	46.00	-18.80	0.17	3	Horizontal	360	1.00	-	27.03	24.12	4.03	27.98
PK	769.14M	30.72	46.00	-15.28	2.18	3	Horizontal	360	1.00	-	28.54	25.13	4.81	27.76

802.11ax HEW40_Nss1,(MCS0)_2TX

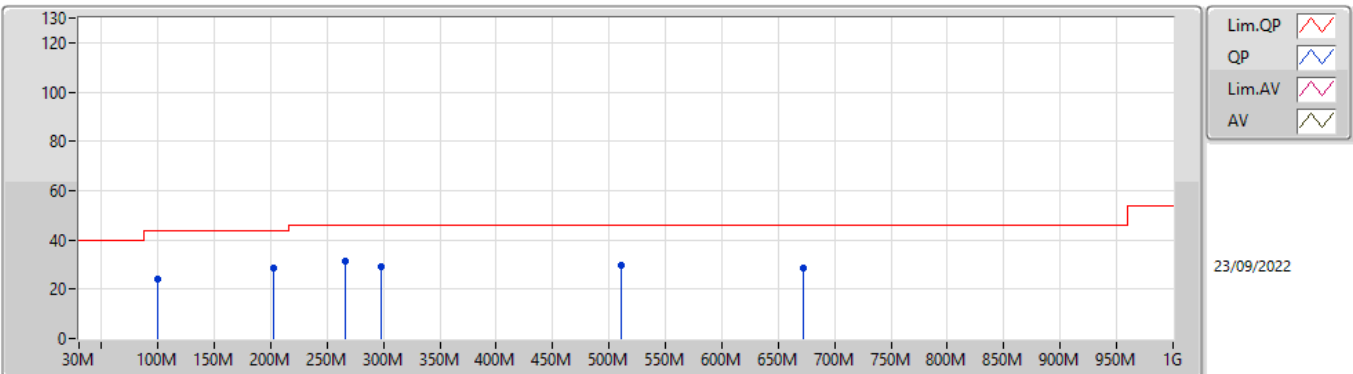
2437MHz_USB



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	97.9M	23.49	43.50	-20.01	-10.14	3	Vertical	0	1.00	-	33.63	15.60	1.62	27.36
PK	165.8M	22.47	43.50	-21.03	-10.08	3	Vertical	0	1.00	-	32.55	14.88	2.12	27.08
PK	371.44M	25.24	46.00	-20.76	-3.81	3	Vertical	0	1.00	-	29.05	19.95	3.24	27.00
PK	511.12M	28.29	46.00	-17.71	-1.17	3	Vertical	0	1.00	-	29.46	22.80	3.85	27.82
PK	553.8M	28.10	46.00	-17.90	0.23	3	Vertical	0	1.00	-	27.87	24.23	3.99	27.99
PK	641.1M	28.80	46.00	-17.20	0.39	3	Vertical	0	1.00	-	28.41	24.05	4.36	28.02

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_USB



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	99.84M	24.22	43.50	-19.28	-9.86	3	Horizontal	360	1.00	-	34.08	15.85	1.64	27.35
PK	202.66M	28.38	43.50	-15.12	-10.15	3	Horizontal	360	1.00	-	38.53	14.37	2.36	26.88
PK	266.68M	31.52	46.00	-14.48	-5.82	3	Horizontal	360	1.00	-	37.34	18.11	2.73	26.66
PK	297.72M	29.22	46.00	-16.78	-5.46	3	Horizontal	360	1.00	-	34.68	18.24	2.91	26.61
PK	511.12M	29.42	46.00	-16.58	-1.17	3	Horizontal	360	1.00	-	30.59	22.80	3.85	27.82
PK	672.14M	28.52	46.00	-17.48	0.63	3	Horizontal	360	1.00	-	27.89	24.12	4.47	27.96

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.4902G	47.13	54.00	-6.87	3	Vertical	177	2.24	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4835G	49.43	54.00	-4.57	3	Horizontal	312	1.08	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	52.33	54.00	-1.67	3	Horizontal	329	1.10	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	52.75	54.00	-1.25	3	Horizontal	329	1.08	-

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	2.3888G	46.43	54.00	-7.57	3	Vertical	174	2.28	-
2412MHz	Pass	AV	2.4112G	100.95	Inf	-Inf	3	Vertical	174	2.28	-
2412MHz	Pass	PK	2.3866G	58.61	74.00	-15.39	3	Vertical	174	2.28	-
2412MHz	Pass	PK	2.4112G	103.53	Inf	-Inf	3	Vertical	174	2.28	-
2412MHz	Pass	AV	2.3888G	46.17	54.00	-7.83	3	Horizontal	197	1.33	-
2412MHz	Pass	AV	2.4112G	103.85	Inf	-Inf	3	Horizontal	197	1.33	-
2412MHz	Pass	PK	2.3698G	58.83	74.00	-15.17	3	Horizontal	197	1.33	-
2412MHz	Pass	PK	2.411G	105.77	Inf	-Inf	3	Horizontal	197	1.33	-
2412MHz	Pass	AV	4.824G	37.42	54.00	-16.58	3	Vertical	204	3.00	-
2412MHz	Pass	PK	4.82376G	46.03	74.00	-27.97	3	Vertical	204	3.00	-
2412MHz	Pass	AV	4.82394G	35.65	54.00	-18.35	3	Horizontal	210	1.04	-
2412MHz	Pass	PK	4.82364G	45.24	74.00	-28.76	3	Horizontal	210	1.04	-
2437MHz	Pass	AV	2.3438G	46.44	54.00	-7.56	3	Vertical	177	2.24	-
2437MHz	Pass	AV	2.4362G	100.46	Inf	-Inf	3	Vertical	177	2.24	-
2437MHz	Pass	AV	2.4902G	47.13	54.00	-6.87	3	Vertical	177	2.24	-
2437MHz	Pass	PK	2.3858G	59.28	74.00	-14.72	3	Vertical	177	2.24	-
2437MHz	Pass	PK	2.4362G	103.49	Inf	-Inf	3	Vertical	177	2.24	-
2437MHz	Pass	PK	2.4934G	59.83	74.00	-14.17	3	Vertical	177	2.24	-
2437MHz	Pass	AV	2.3854G	46.40	54.00	-7.60	3	Horizontal	331	1.37	-
2437MHz	Pass	AV	2.4378G	103.98	Inf	-Inf	3	Horizontal	331	1.37	-
2437MHz	Pass	AV	2.4838G	47.13	54.00	-6.87	3	Horizontal	331	1.37	-
2437MHz	Pass	PK	2.343G	58.38	74.00	-15.62	3	Horizontal	331	1.37	-
2437MHz	Pass	PK	2.4378G	106.75	Inf	-Inf	3	Horizontal	331	1.37	-
2437MHz	Pass	PK	2.4938G	59.19	74.00	-14.81	3	Horizontal	331	1.37	-
2437MHz	Pass	AV	4.874G	39.31	54.00	-14.69	3	Vertical	197	2.53	-
2437MHz	Pass	PK	4.87406G	46.60	74.00	-27.40	3	Vertical	197	2.53	-
2437MHz	Pass	AV	4.874G	38.57	54.00	-15.43	3	Horizontal	180	1.27	-
2437MHz	Pass	PK	4.87412G	46.75	74.00	-27.25	3	Horizontal	180	1.27	-
2462MHz	Pass	AV	2.4628G	98.17	Inf	-Inf	3	Vertical	224	1.00	-
2462MHz	Pass	AV	2.485G	46.87	54.00	-7.13	3	Vertical	224	1.00	-
2462MHz	Pass	PK	2.4628G	100.72	Inf	-Inf	3	Vertical	224	1.00	-
2462MHz	Pass	PK	2.4978G	59.45	74.00	-14.55	3	Vertical	224	1.00	-
2462MHz	Pass	AV	2.4628G	104.27	Inf	-Inf	3	Horizontal	329	1.10	-
2462MHz	Pass	AV	2.4874G	47.13	54.00	-6.87	3	Horizontal	329	1.10	-
2462MHz	Pass	PK	2.4628G	106.81	Inf	-Inf	3	Horizontal	329	1.10	-
2462MHz	Pass	PK	2.4938G	60.01	74.00	-13.99	3	Horizontal	329	1.10	-
2462MHz	Pass	AV	4.92394G	35.53	54.00	-18.47	3	Vertical	265	2.40	-
2462MHz	Pass	PK	4.9243G	46.12	74.00	-27.88	3	Vertical	265	2.40	-
2462MHz	Pass	AV	4.924G	35.19	54.00	-18.81	3	Horizontal	180	1.54	-
2462MHz	Pass	PK	4.92418G	45.88	74.00	-28.12	3	Horizontal	180	1.54	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3892G	46.44	54.00	-7.56	3	Vertical	178	2.26	-
2412MHz	Pass	AV	2.4166G	98.60	Inf	-Inf	3	Vertical	178	2.26	-
2412MHz	Pass	PK	2.3876G	59.13	74.00	-14.87	3	Vertical	178	2.26	-
2412MHz	Pass	PK	2.417G	107.33	Inf	-Inf	3	Vertical	178	2.26	-
2412MHz	Pass	AV	2.3898G	47.20	54.00	-6.80	3	Horizontal	198	1.41	-
2412MHz	Pass	AV	2.4114G	101.01	Inf	-Inf	3	Horizontal	198	1.41	-
2412MHz	Pass	PK	2.39G	59.50	74.00	-14.50	3	Horizontal	198	1.41	-
2412MHz	Pass	PK	2.411G	108.95	Inf	-Inf	3	Horizontal	198	1.41	-
2412MHz	Pass	AV	4.82778G	32.68	54.00	-21.32	3	Vertical	190	2.58	-
2412MHz	Pass	PK	4.82322G	45.66	74.00	-28.34	3	Vertical	190	2.58	-
2412MHz	Pass	AV	4.82256G	32.67	54.00	-21.33	3	Horizontal	176	1.16	-
2412MHz	Pass	PK	4.82562G	45.54	74.00	-28.46	3	Horizontal	176	1.16	-
2437MHz	Pass	AV	2.3614G	46.36	54.00	-7.64	3	Vertical	219	2.58	-
2437MHz	Pass	AV	2.4434G	97.90	Inf	-Inf	3	Vertical	219	2.58	-
2437MHz	Pass	AV	2.4846G	47.13	54.00	-6.87	3	Vertical	219	2.58	-
2437MHz	Pass	PK	2.3542G	59.03	74.00	-14.97	3	Vertical	219	2.58	-
2437MHz	Pass	PK	2.4434G	106.74	Inf	-Inf	3	Vertical	219	2.58	-
2437MHz	Pass	PK	2.485G	58.73	74.00	-15.27	3	Vertical	219	2.58	-
2437MHz	Pass	AV	2.3398G	46.46	54.00	-7.54	3	Horizontal	316	1.10	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.4422G	100.45	Inf	-Inf	3	Horizontal	316	1.10	-
2437MHz	Pass	AV	2.4926G	47.13	54.00	-6.87	3	Horizontal	316	1.10	-
2437MHz	Pass	PK	2.343G	58.31	74.00	-15.69	3	Horizontal	316	1.10	-
2437MHz	Pass	PK	2.4426G	109.73	Inf	-Inf	3	Horizontal	316	1.10	-
2437MHz	Pass	PK	2.4898G	59.00	74.00	-15.00	3	Horizontal	316	1.10	-
2437MHz	Pass	AV	4.8839G	32.43	54.00	-21.57	3	Vertical	258	2.80	-
2437MHz	Pass	PK	4.87274G	45.45	74.00	-28.55	3	Vertical	258	2.80	-
2437MHz	Pass	AV	4.8839G	32.52	54.00	-21.48	3	Horizontal	181	1.00	-
2437MHz	Pass	PK	4.88216G	45.15	74.00	-28.85	3	Horizontal	181	1.00	-
2462MHz	Pass	AV	2.4584G	97.85	Inf	-Inf	3	Vertical	220	2.58	-
2462MHz	Pass	AV	2.4835G	47.64	54.00	-6.36	3	Vertical	220	2.58	-
2462MHz	Pass	PK	2.4586G	106.60	Inf	-Inf	3	Vertical	220	2.58	-
2462MHz	Pass	PK	2.4838G	60.01	74.00	-13.99	3	Vertical	220	2.58	-
2462MHz	Pass	AV	2.463G	100.78	Inf	-Inf	3	Horizontal	312	1.08	-
2462MHz	Pass	AV	2.4835G	49.43	54.00	-4.57	3	Horizontal	312	1.08	-
2462MHz	Pass	PK	2.4628G	110.57	Inf	-Inf	3	Horizontal	312	1.08	-
2462MHz	Pass	PK	2.4835G	62.53	74.00	-11.47	3	Horizontal	312	1.08	-
2462MHz	Pass	AV	4.92274G	32.47	54.00	-21.53	3	Vertical	53	1.50	-
2462MHz	Pass	PK	4.93012G	44.91	74.00	-29.09	3	Vertical	53	1.50	-
2462MHz	Pass	AV	4.9219G	32.91	54.00	-21.09	3	Horizontal	180	1.36	-
2462MHz	Pass	PK	4.92172G	46.15	74.00	-27.85	3	Horizontal	180	1.36	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	46.70	54.00	-7.30	3	Vertical	220	2.35	-
2412MHz	Pass	AV	2.4138G	98.55	Inf	-Inf	3	Vertical	220	2.35	-
2412MHz	Pass	PK	2.3894G	58.83	74.00	-15.17	3	Vertical	220	2.35	-
2412MHz	Pass	PK	2.4136G	111.05	Inf	-Inf	3	Vertical	220	2.35	-
2412MHz	Pass	AV	2.3898G	47.67	54.00	-6.33	3	Horizontal	198	1.01	-
2412MHz	Pass	AV	2.4106G	100.13	Inf	-Inf	3	Horizontal	198	1.01	-
2412MHz	Pass	PK	2.39G	60.22	74.00	-13.78	3	Horizontal	198	1.01	-
2412MHz	Pass	PK	2.411G	111.91	Inf	-Inf	3	Horizontal	198	1.01	-
2412MHz	Pass	AV	4.82144G	31.44	54.00	-22.56	3	Vertical	161	2.83	-
2412MHz	Pass	PK	4.82524G	44.08	74.00	-29.92	3	Vertical	161	2.83	-
2412MHz	Pass	AV	4.82256G	31.45	54.00	-22.55	3	Horizontal	4	1.81	-
2412MHz	Pass	PK	4.81668G	43.89	74.00	-30.11	3	Horizontal	4	1.81	-
2437MHz	Pass	AV	2.3382G	46.47	54.00	-7.53	3	Vertical	175	2.21	-
2437MHz	Pass	AV	2.4378G	95.54	Inf	-Inf	3	Vertical	175	2.21	-
2437MHz	Pass	AV	2.4835G	46.87	54.00	-7.13	3	Vertical	175	2.21	-
2437MHz	Pass	PK	2.3586G	58.24	74.00	-15.76	3	Vertical	175	2.21	-
2437MHz	Pass	PK	2.4362G	107.28	Inf	-Inf	3	Vertical	175	2.21	-
2437MHz	Pass	PK	2.4854G	59.00	74.00	-15.00	3	Vertical	175	2.21	-
2437MHz	Pass	AV	2.3378G	46.21	54.00	-7.79	3	Horizontal	335	1.36	-
2437MHz	Pass	AV	2.4358G	99.89	Inf	-Inf	3	Horizontal	335	1.36	-
2437MHz	Pass	AV	2.4835G	47.13	54.00	-6.87	3	Horizontal	335	1.36	-
2437MHz	Pass	PK	2.375G	58.77	74.00	-15.23	3	Horizontal	335	1.36	-
2437MHz	Pass	PK	2.439G	112.05	Inf	-Inf	3	Horizontal	335	1.36	-
2437MHz	Pass	PK	2.4854G	60.01	74.00	-13.99	3	Horizontal	335	1.36	-
2437MHz	Pass	AV	4.87262G	32.23	54.00	-21.77	3	Vertical	275	1.18	-
2437MHz	Pass	PK	4.88516G	45.32	74.00	-28.68	3	Vertical	275	1.18	-
2437MHz	Pass	AV	4.88252G	32.59	54.00	-21.41	3	Horizontal	181	1.00	-
2437MHz	Pass	PK	4.87094G	44.77	74.00	-29.23	3	Horizontal	181	1.00	-
2462MHz	Pass	AV	2.4636G	94.30	Inf	-Inf	3	Vertical	27	1.34	-
2462MHz	Pass	AV	2.4835G	48.80	54.00	-5.20	3	Vertical	27	1.34	-
2462MHz	Pass	PK	2.4644G	106.36	Inf	-Inf	3	Vertical	27	1.34	-
2462MHz	Pass	PK	2.4838G	61.39	74.00	-12.61	3	Vertical	27	1.34	-
2462MHz	Pass	AV	2.4636G	100.98	Inf	-Inf	3	Horizontal	329	1.10	-
2462MHz	Pass	AV	2.4835G	52.33	54.00	-1.67	3	Horizontal	329	1.10	-
2462MHz	Pass	PK	2.4628G	112.83	Inf	-Inf	3	Horizontal	329	1.10	-
2462MHz	Pass	PK	2.484G	65.79	74.00	-8.21	3	Horizontal	329	1.10	-
2462MHz	Pass	AV	4.9381G	32.40	54.00	-21.60	3	Vertical	146	1.50	-
2462MHz	Pass	PK	4.93888G	45.01	74.00	-28.99	3	Vertical	146	1.50	-
2462MHz	Pass	AV	4.92556G	32.42	54.00	-21.58	3	Horizontal	162	1.50	-
2462MHz	Pass	PK	4.9159G	45.23	74.00	-28.77	3	Horizontal	162	1.50	-



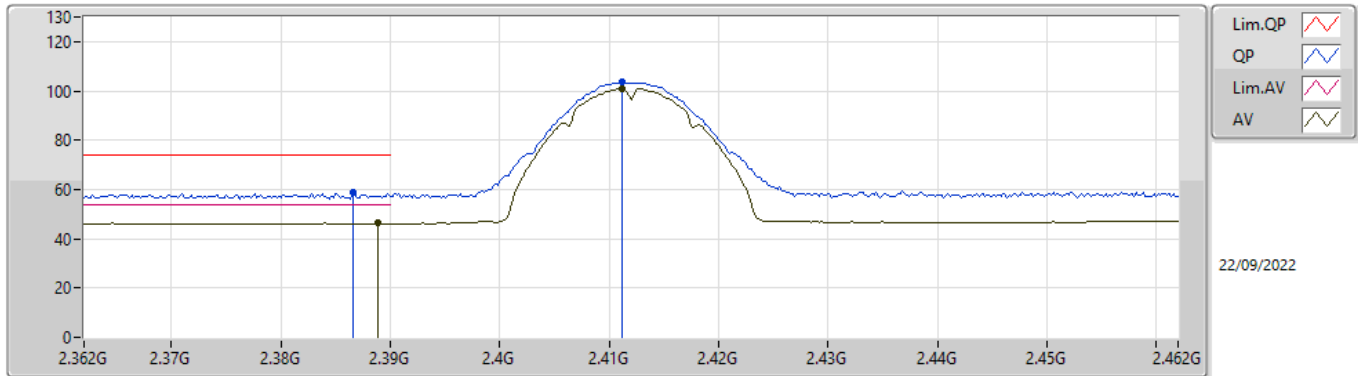
RSE TX above 1GHz Non-Beamforming

Appendix F.2

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	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	47.89	54.00	-6.11	3	Vertical	177	2.32	-
2422MHz	Pass	AV	2.412G	95.25	Inf	-Inf	3	Vertical	177	2.32	-
2422MHz	Pass	AV	2.4835G	46.87	54.00	-7.13	3	Vertical	177	2.32	-
2422MHz	Pass	PK	2.3896G	59.84	74.00	-14.16	3	Vertical	177	2.32	-
2422MHz	Pass	PK	2.412G	106.80	Inf	-Inf	3	Vertical	177	2.32	-
2422MHz	Pass	PK	2.486G	58.93	74.00	-15.07	3	Vertical	177	2.32	-
2422MHz	Pass	AV	2.39G	50.39	54.00	-3.61	3	Horizontal	197	1.50	-
2422MHz	Pass	AV	2.4116G	97.15	Inf	-Inf	3	Horizontal	197	1.50	-
2422MHz	Pass	AV	2.4892G	47.13	54.00	-6.87	3	Horizontal	197	1.50	-
2422MHz	Pass	PK	2.39G	61.84	74.00	-12.16	3	Horizontal	197	1.50	-
2422MHz	Pass	PK	2.41G	107.83	Inf	-Inf	3	Horizontal	197	1.50	-
2422MHz	Pass	PK	2.4972G	58.65	74.00	-15.35	3	Horizontal	197	1.50	-
2422MHz	Pass	AV	4.84964G	31.69	54.00	-22.31	3	Vertical	54	1.05	-
2422MHz	Pass	PK	4.84752G	43.77	74.00	-30.23	3	Vertical	54	1.05	-
2422MHz	Pass	AV	4.84952G	31.69	54.00	-22.31	3	Horizontal	4	2.34	-
2422MHz	Pass	PK	4.84384G	43.68	74.00	-30.32	3	Horizontal	4	2.34	-
2437MHz	Pass	AV	2.389G	46.95	54.00	-7.05	3	Vertical	175	2.21	-
2437MHz	Pass	AV	2.4478G	93.78	Inf	-Inf	3	Vertical	175	2.21	-
2437MHz	Pass	AV	2.4846G	47.89	54.00	-6.11	3	Vertical	175	2.21	-
2437MHz	Pass	PK	2.3886G	58.89	74.00	-15.11	3	Vertical	175	2.21	-
2437MHz	Pass	PK	2.4474G	107.05	Inf	-Inf	3	Vertical	175	2.21	-
2437MHz	Pass	PK	2.4854G	60.01	74.00	-13.99	3	Vertical	175	2.21	-
2437MHz	Pass	AV	2.389G	46.70	54.00	-7.30	3	Horizontal	332	1.22	-
2437MHz	Pass	AV	2.447G	98.30	Inf	-Inf	3	Horizontal	332	1.22	-
2437MHz	Pass	AV	2.4835G	48.13	54.00	-5.87	3	Horizontal	332	1.22	-
2437MHz	Pass	PK	2.3782G	58.72	74.00	-15.28	3	Horizontal	332	1.22	-
2437MHz	Pass	PK	2.4478G	111.29	Inf	-Inf	3	Horizontal	332	1.22	-
2437MHz	Pass	PK	2.4842G	60.64	74.00	-13.36	3	Horizontal	332	1.22	-
2437MHz	Pass	AV	4.86916G	31.84	54.00	-22.16	3	Vertical	245	1.57	-
2437MHz	Pass	PK	4.8686G	43.71	74.00	-30.29	3	Vertical	245	1.57	-
2437MHz	Pass	AV	4.87224G	31.95	54.00	-22.05	3	Horizontal	197	2.97	-
2437MHz	Pass	PK	4.88092G	44.51	74.00	-29.49	3	Horizontal	197	2.97	-
2452MHz	Pass	AV	2.3896G	46.44	54.00	-7.56	3	Vertical	220	2.56	-
2452MHz	Pass	AV	2.4544G	95.93	Inf	-Inf	3	Vertical	220	2.56	-
2452MHz	Pass	AV	2.4835G	49.02	54.00	-4.98	3	Vertical	220	2.56	-
2452MHz	Pass	PK	2.3652G	58.70	74.00	-15.30	3	Vertical	220	2.56	-
2452MHz	Pass	PK	2.444G	107.13	Inf	-Inf	3	Vertical	220	2.56	-
2452MHz	Pass	PK	2.484G	60.36	74.00	-13.64	3	Vertical	220	2.56	-
2452MHz	Pass	AV	2.39G	46.44	54.00	-7.56	3	Horizontal	329	1.08	-
2452MHz	Pass	AV	2.4532G	98.08	Inf	-Inf	3	Horizontal	329	1.08	-
2452MHz	Pass	AV	2.4835G	52.75	54.00	-1.25	3	Horizontal	329	1.08	-
2452MHz	Pass	PK	2.3808G	58.84	74.00	-15.16	3	Horizontal	329	1.08	-
2452MHz	Pass	PK	2.4532G	110.16	Inf	-Inf	3	Horizontal	329	1.08	-
2452MHz	Pass	PK	2.4872G	65.22	74.00	-8.78	3	Horizontal	329	1.08	-
2452MHz	Pass	AV	4.91096G	32.09	54.00	-21.91	3	Vertical	264	1.52	-
2452MHz	Pass	PK	4.91388G	44.51	74.00	-29.49	3	Vertical	264	1.52	-
2452MHz	Pass	AV	4.9074G	32.12	54.00	-21.88	3	Horizontal	167	2.85	-
2452MHz	Pass	PK	4.90852G	43.91	74.00	-30.09	3	Horizontal	167	2.85	-

802.11b_Nss1,(1Mbps)_2TX

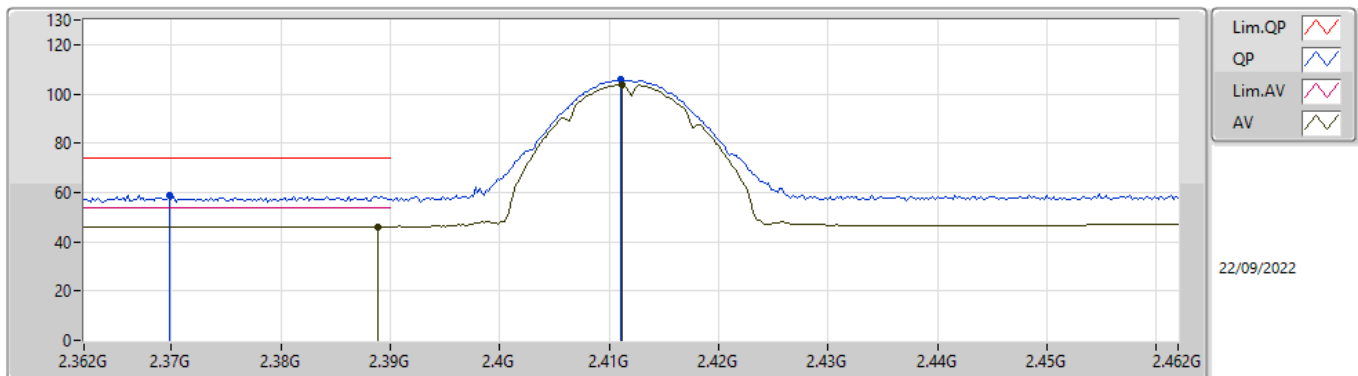
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3888G	46.43	54.00	-7.57	31.86	3	Vertical	174	2.28	-	14.57	27.38	4.48	-
AV	2.4112G	100.95	Inf	-Inf	31.91	3	Vertical	174	2.28	-	69.04	27.44	4.47	-
PK	2.3866G	58.61	74.00	-15.39	31.85	3	Vertical	174	2.28	-	26.76	27.37	4.48	-
PK	2.4112G	103.53	Inf	-Inf	31.91	3	Vertical	174	2.28	-	71.62	27.44	4.47	-

802.11b_Nss1,(1Mbps)_2TX

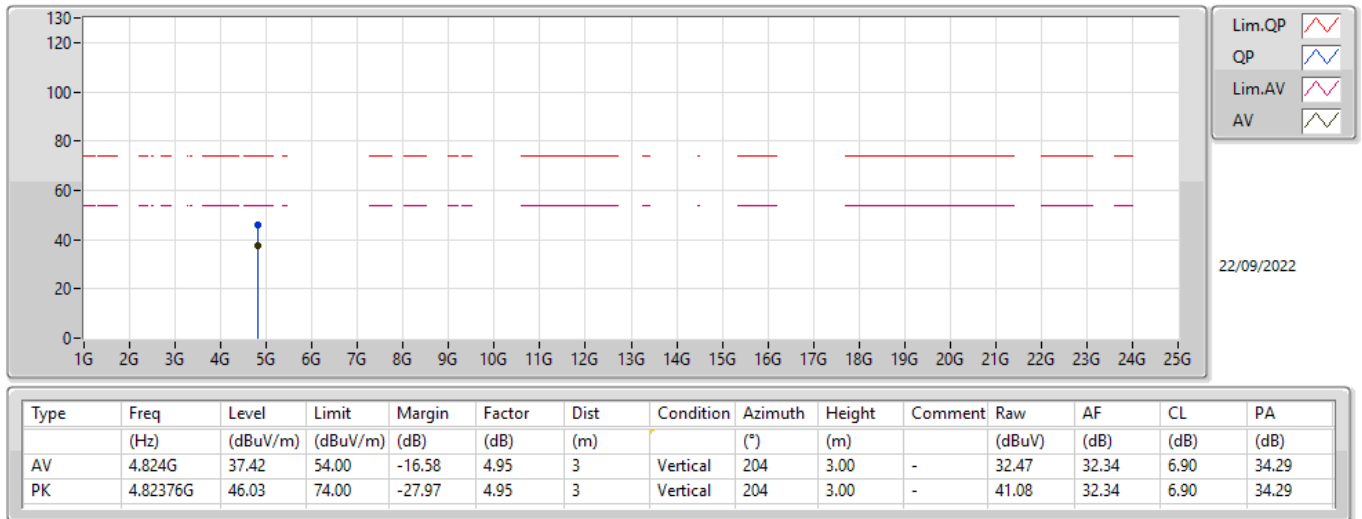
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3888G	46.17	54.00	-7.83	31.86	3	Horizontal	197	1.33	-	14.31	27.38	4.48	-
AV	2.4112G	103.85	Inf	-Inf	31.91	3	Horizontal	197	1.33	-	71.94	27.44	4.47	-
PK	2.3698G	58.83	74.00	-15.17	31.83	3	Horizontal	197	1.33	-	27.00	27.34	4.49	-
PK	2.411G	105.77	Inf	-Inf	31.91	3	Horizontal	197	1.33	-	73.86	27.44	4.47	-

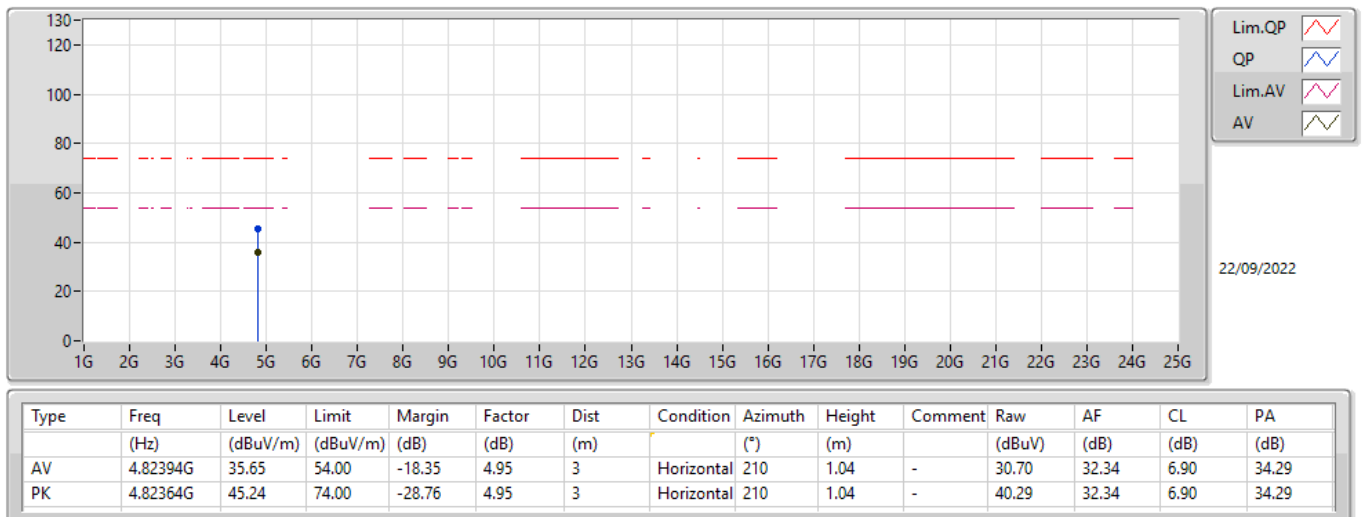
802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX



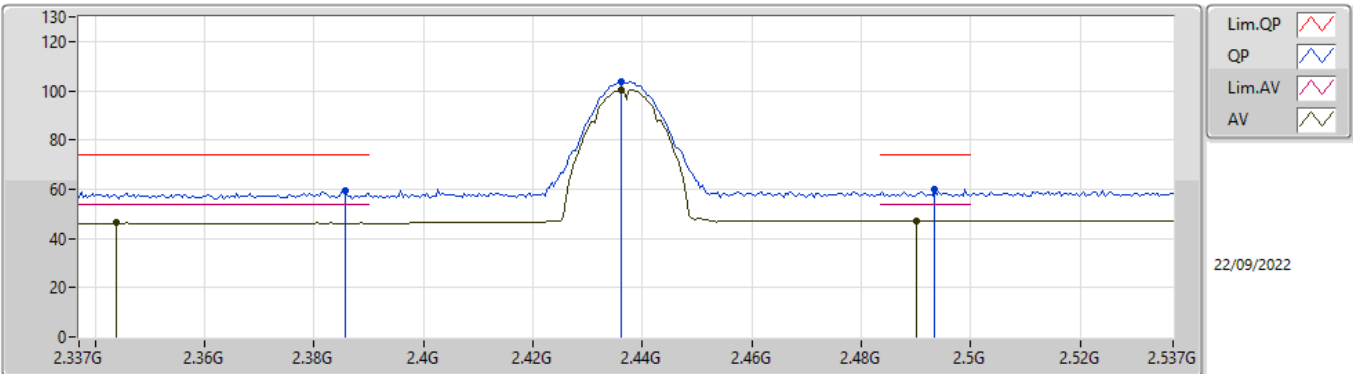
802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX



802.11b_Nss1,(1Mbps)_2TX

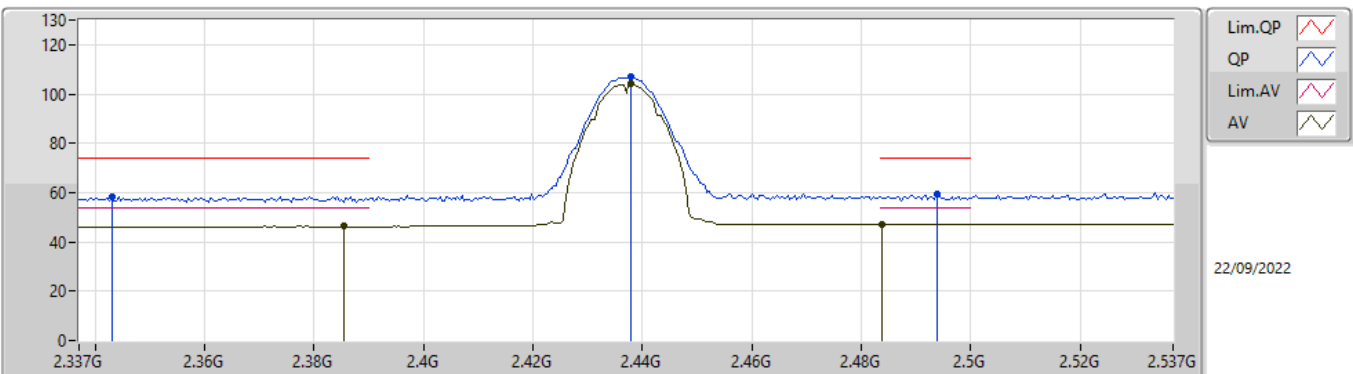
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3438G	46.44	54.00	-7.56	31.79	3	Vertical	177	2.24	-	14.65	27.29	4.50	-
AV	2.4362G	100.46	Inf	-Inf	32.02	3	Vertical	177	2.24	-	68.44	27.54	4.48	-
AV	2.4902G	47.13	54.00	-6.87	32.16	3	Vertical	177	2.24	-	14.97	27.68	4.48	-
PK	2.3858G	59.28	74.00	-14.72	31.85	3	Vertical	177	2.24	-	27.43	27.37	4.48	-
PK	2.4362G	103.49	Inf	-Inf	32.02	3	Vertical	177	2.24	-	71.47	27.54	4.48	-
PK	2.4934G	59.83	74.00	-14.17	32.17	3	Vertical	177	2.24	-	27.66	27.69	4.48	-

802.11b_Nss1,(1Mbps)_2TX

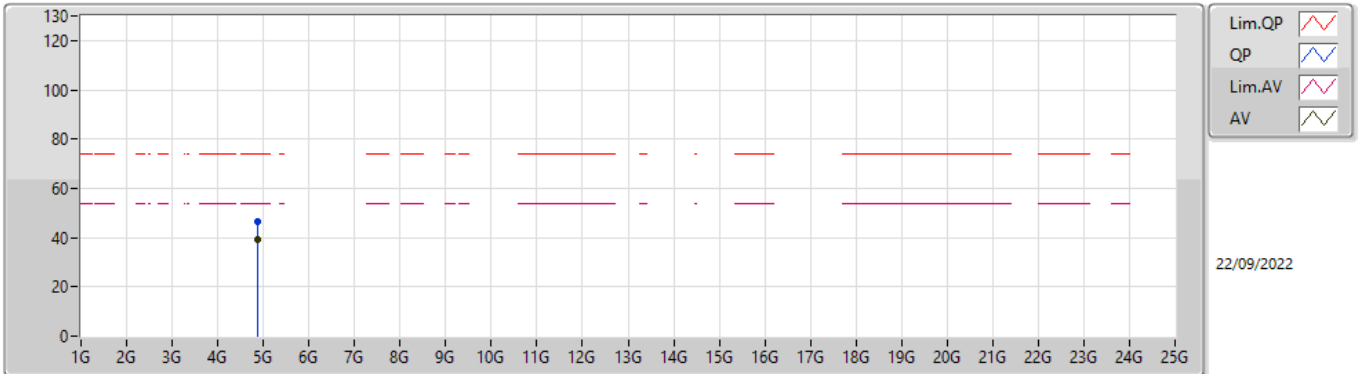
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3854G	46.40	54.00	-7.60	31.85	3	Horizontal	331	1.37	-	14.55	27.37	4.48	-
AV	2.4378G	103.98	Inf	-Inf	32.03	3	Horizontal	331	1.37	-	71.95	27.55	4.48	-
AV	2.4838G	47.13	54.00	-6.87	32.15	3	Horizontal	331	1.37	-	14.98	27.67	4.48	-
PK	2.343G	58.38	74.00	-15.62	31.79	3	Horizontal	331	1.37	-	26.59	27.29	4.50	-
PK	2.4378G	106.75	Inf	-Inf	32.03	3	Horizontal	331	1.37	-	74.72	27.55	4.48	-
PK	2.4938G	59.19	74.00	-14.81	32.17	3	Horizontal	331	1.37	-	27.02	27.69	4.48	-

802.11b_Nss1,(1Mbps)_2TX

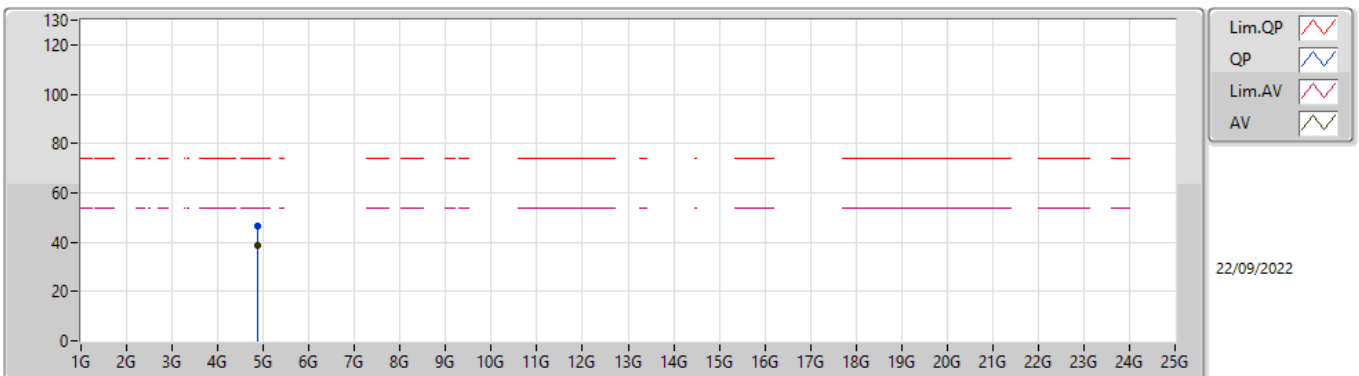
2437MHz_TX



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	39.31	54.00	-14.69	5.21	3	Vertical	197	2.53	-	34.10	32.60	6.90	34.29
PK	4.87406G	46.60	74.00	-27.40	5.21	3	Vertical	197	2.53	-	41.39	32.60	6.90	34.29

802.11b_Nss1,(1Mbps)_2TX

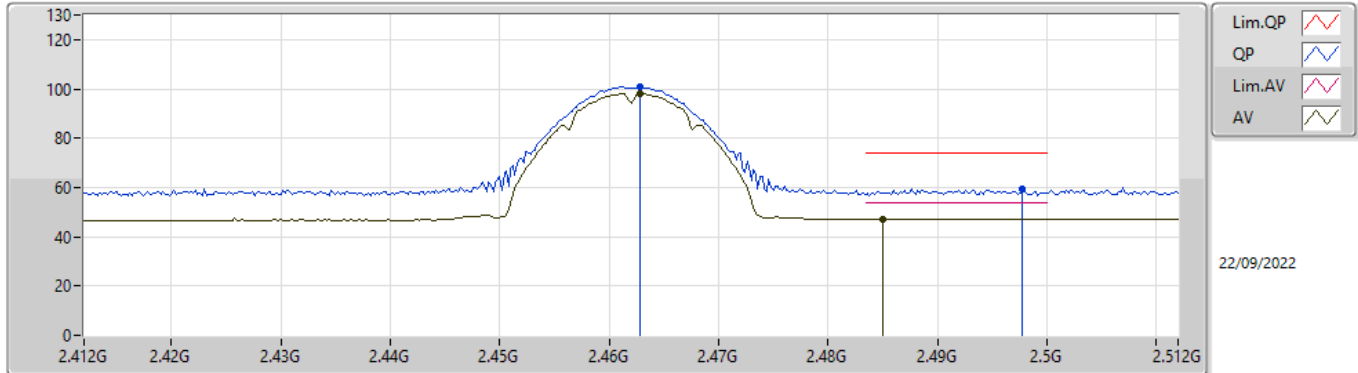
2437MHz_TX



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	38.57	54.00	-15.43	5.21	3	Horizontal	180	1.27	-	33.36	32.60	6.90	34.29
PK	4.87412G	46.75	74.00	-27.25	5.21	3	Horizontal	180	1.27	-	41.54	32.60	6.90	34.29

802.11b_Nss1,(1Mbps)_2TX

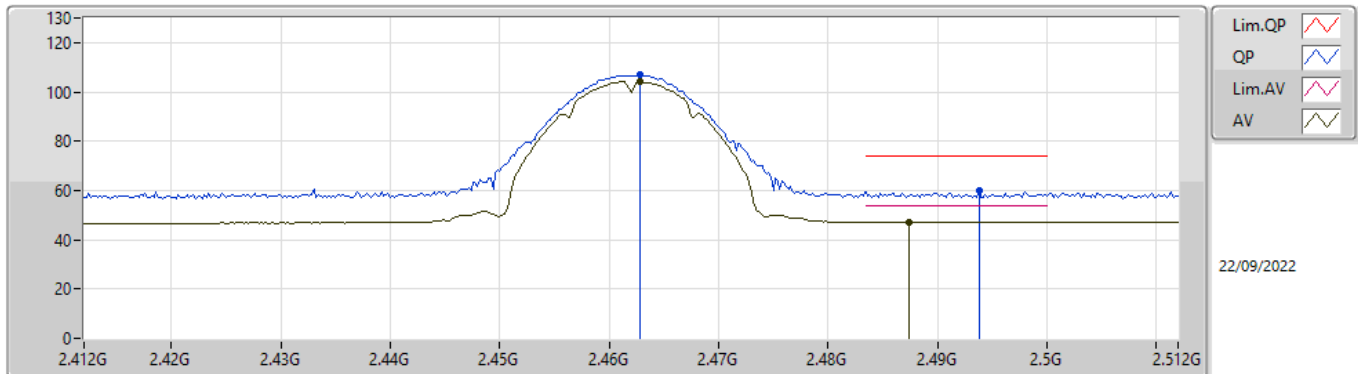
2462MHz_TX



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	2.4628G	98.17	Inf	-Inf	32.11	3	Vertical	224	1.00	-	66.06	27.63	4.48	-
AV	2.485G	46.87	54.00	-7.13	32.15	3	Vertical	224	1.00	-	14.72	27.67	4.48	-
PK	2.4628G	100.72	Inf	-Inf	32.11	3	Vertical	224	1.00	-	68.61	27.63	4.48	-
PK	2.4978G	59.45	74.00	-14.55	32.18	3	Vertical	224	1.00	-	27.27	27.70	4.48	-

802.11b_Nss1,(1Mbps)_2TX

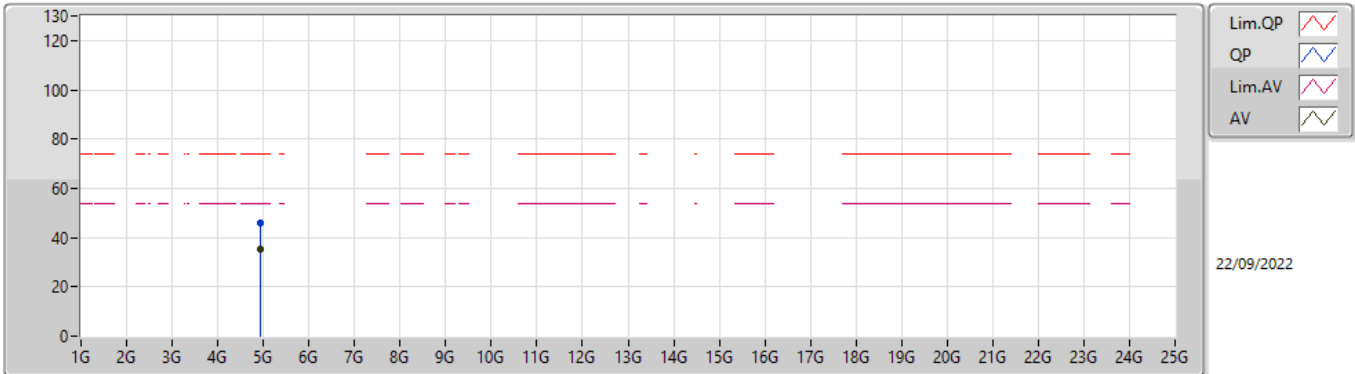
2462MHz_TX



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	2.4628G	104.27	Inf	-Inf	32.11	3	Horizontal	329	1.10	-	72.16	27.63	4.48	-
AV	2.4874G	47.13	54.00	-6.87	32.15	3	Horizontal	329	1.10	-	14.98	27.67	4.48	-
PK	2.4628G	106.81	Inf	-Inf	32.11	3	Horizontal	329	1.10	-	74.70	27.63	4.48	-
PK	2.4938G	60.01	74.00	-13.99	32.17	3	Horizontal	329	1.10	-	27.84	27.69	4.48	-

802.11b_Nss1,(1Mbps)_2TX

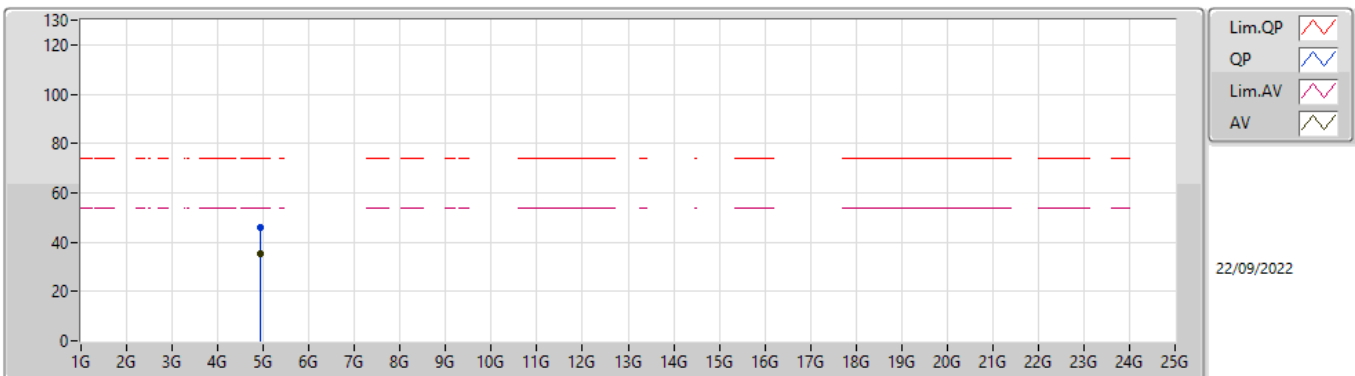
2462MHz_TX



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	4.92394G	35.53	54.00	-18.47	5.47	3	Vertical	265	2.40	-	30.06	32.84	6.91	34.28
PK	4.9243G	46.12	74.00	-27.88	5.48	3	Vertical	265	2.40	-	40.64	32.85	6.91	34.28

802.11b_Nss1,(1Mbps)_2TX

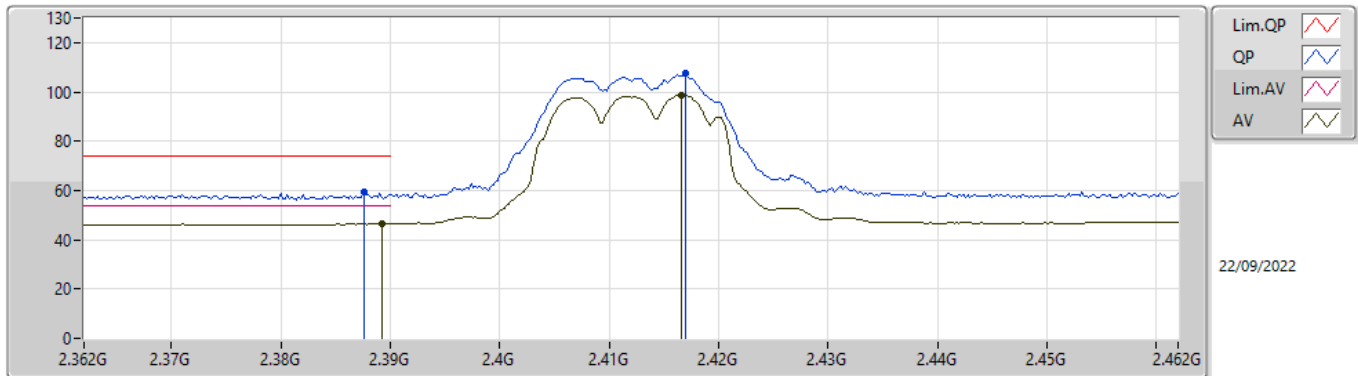
2462MHz_TX



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	35.19	54.00	-18.81	5.47	3	Horizontal	180	1.54	-	29.72	32.84	6.91	34.28
PK	4.92418G	45.88	74.00	-28.12	5.48	3	Horizontal	180	1.54	-	40.40	32.85	6.91	34.28

802.11g_Nss1,(6Mbps)_2TX

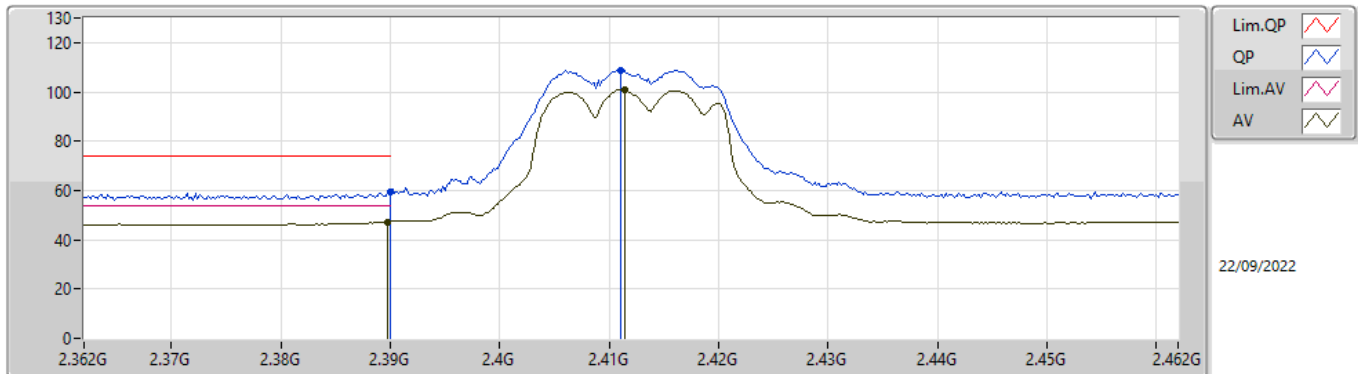
2412MHz_TX



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	2.3892G	46.44	54.00	-7.56	31.86	3	Vertical	178	2.26	-	14.58	27.38	4.48	-
AV	2.4166G	98.60	Inf	-Inf	31.94	3	Vertical	178	2.26	-	66.66	27.47	4.47	-
PK	2.3876G	59.13	74.00	-14.87	31.86	3	Vertical	178	2.26	-	27.27	27.38	4.48	-
PK	2.417G	107.33	Inf	-Inf	31.94	3	Vertical	178	2.26	-	75.39	27.47	4.47	-

802.11g_Nss1,(6Mbps)_2TX

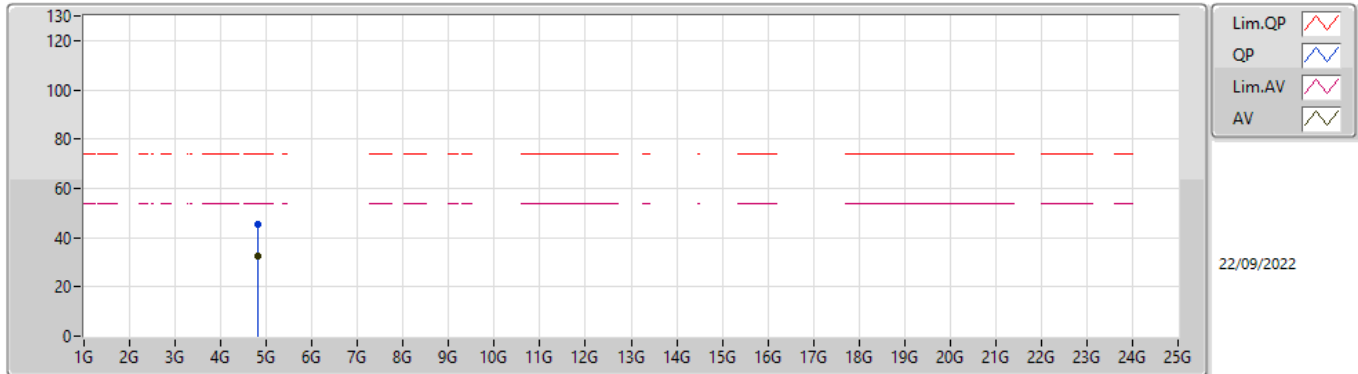
2412MHz_TX



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	2.3898G	47.20	54.00	-6.80	31.86	3	Horizontal	198	1.41	-	15.34	27.38	4.48	-
AV	2.4114G	101.01	Inf	-Inf	31.92	3	Horizontal	198	1.41	-	69.09	27.45	4.47	-
PK	2.39G	59.50	74.00	-14.50	31.86	3	Horizontal	198	1.41	-	27.64	27.38	4.48	-
PK	2.411G	108.95	Inf	-Inf	31.91	3	Horizontal	198	1.41	-	77.04	27.44	4.47	-

802.11g_Nss1,(6Mbps)_2TX

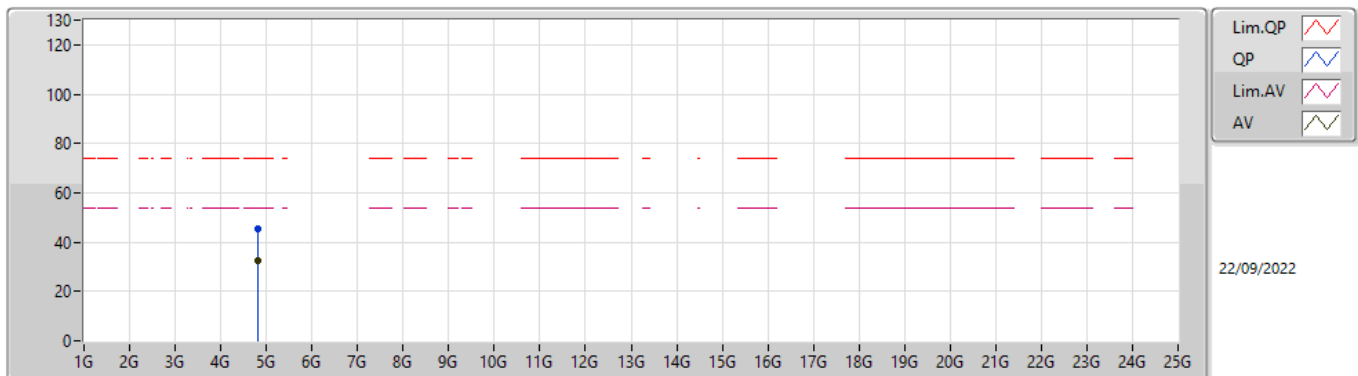
2412MHz_TX



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	4.82778G	32.68	54.00	-21.32	4.98	3	Vertical	190	2.58	-	27.70	32.37	6.90	34.29
PK	4.82322G	45.66	74.00	-28.34	4.95	3	Vertical	190	2.58	-	40.71	32.34	6.90	34.29

802.11g_Nss1,(6Mbps)_2TX

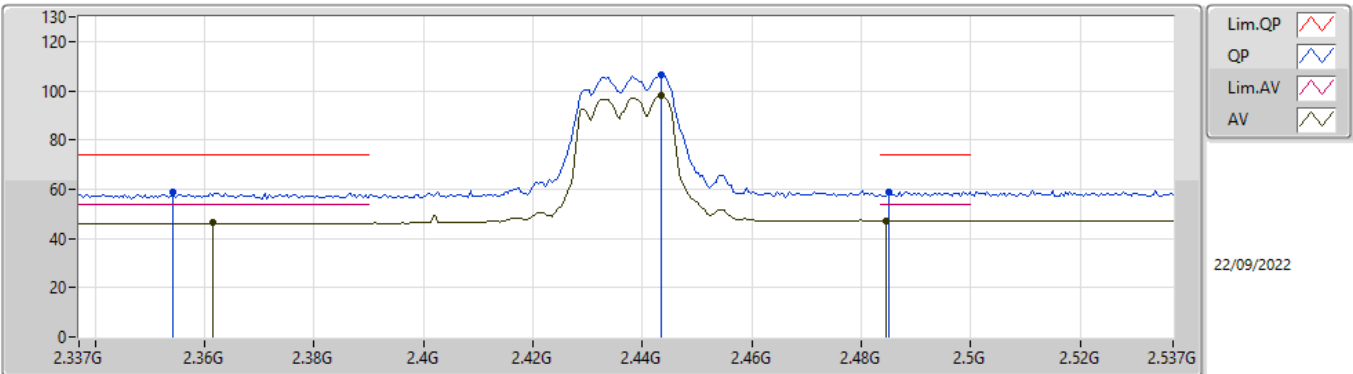
2412MHz_TX



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	4.82256G	32.67	54.00	-21.33	4.95	3	Horizontal	176	1.16	-	27.72	32.34	6.90	34.29
PK	4.82562G	45.54	74.00	-28.46	4.96	3	Horizontal	176	1.16	-	40.58	32.35	6.90	34.29

802.11g_Nss1,(6Mbps)_2TX

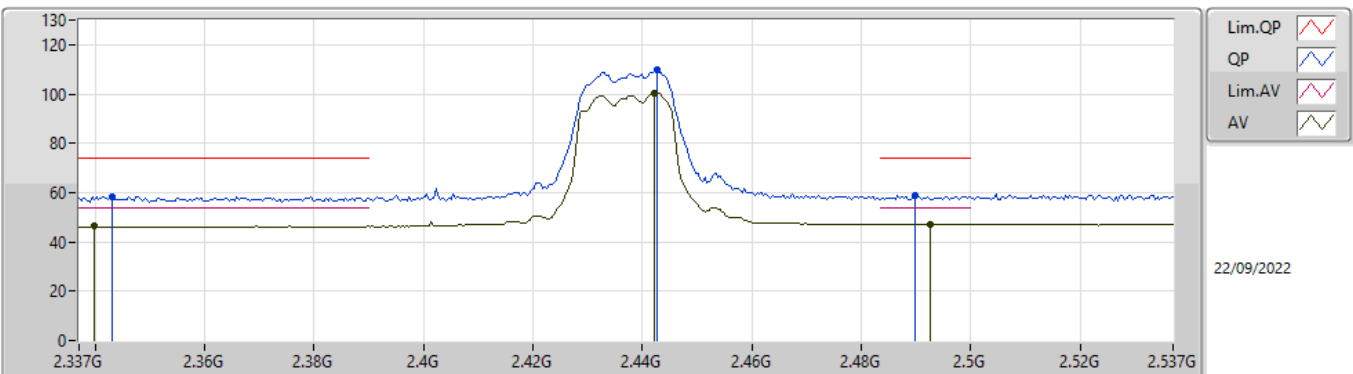
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3614G	46.36	54.00	-7.64	31.81	3	Vertical	219	2.58	-	14.55	27.32	4.49	-
AV	2.4434G	97.90	Inf	-Inf	32.05	3	Vertical	219	2.58	-	65.85	27.57	4.48	-
AV	2.4846G	47.13	54.00	-6.87	32.15	3	Vertical	219	2.58	-	14.98	27.67	4.48	-
PK	2.3542G	59.03	74.00	-14.97	31.81	3	Vertical	219	2.58	-	27.22	27.31	4.50	-
PK	2.4434G	106.74	Inf	-Inf	32.05	3	Vertical	219	2.58	-	74.69	27.57	4.48	-
PK	2.485G	58.73	74.00	-15.27	32.15	3	Vertical	219	2.58	-	26.58	27.67	4.48	-

802.11g_Nss1,(6Mbps)_2TX

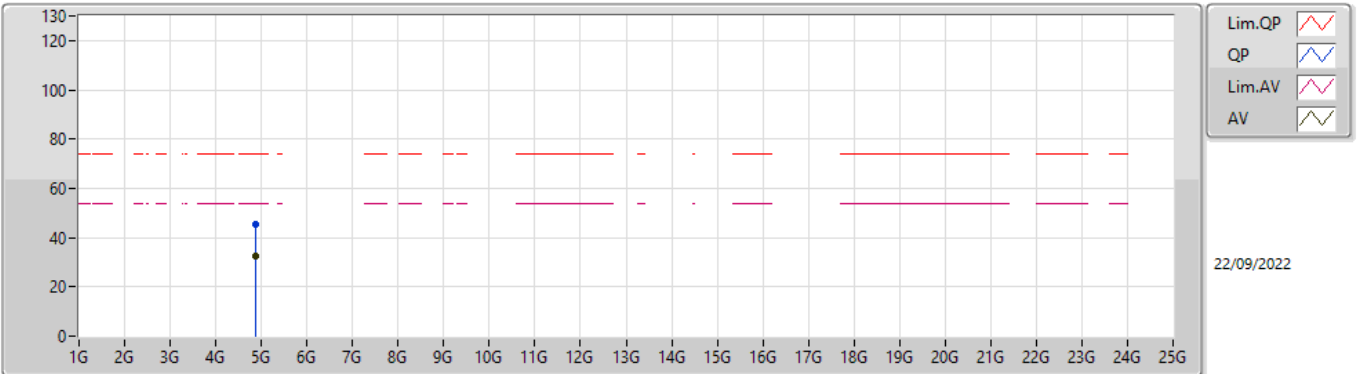
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3398G	46.46	54.00	-7.54	31.79	3	Horizontal	316	1.10	-	14.67	27.28	4.51	-
AV	2.4422G	100.45	Inf	-Inf	32.05	3	Horizontal	316	1.10	-	68.40	27.57	4.48	-
AV	2.4926G	47.13	54.00	-6.87	32.17	3	Horizontal	316	1.10	-	14.96	27.69	4.48	-
PK	2.343G	58.31	74.00	-15.69	31.79	3	Horizontal	316	1.10	-	26.52	27.29	4.50	-
PK	2.4426G	109.73	Inf	-Inf	32.05	3	Horizontal	316	1.10	-	77.68	27.57	4.48	-
PK	2.4898G	59.00	74.00	-15.00	32.16	3	Horizontal	316	1.10	-	26.84	27.68	4.48	-

802.11g_Nss1,(6Mbps)_2TX

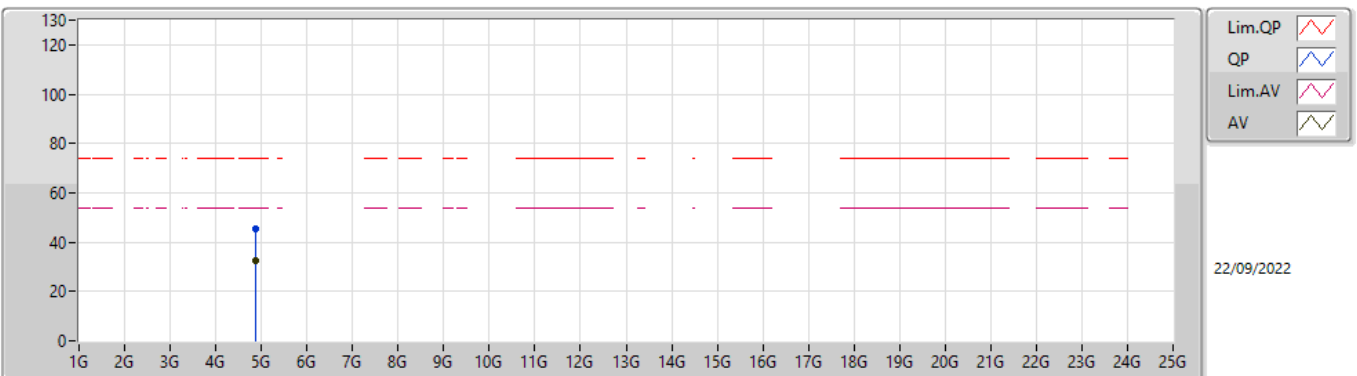
2437MHz_TX



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	4.8839G	32.43	54.00	-21.57	5.26	3	Vertical	258	2.80	-	27.17	32.64	6.90	34.28
PK	4.87274G	45.45	74.00	-28.55	5.20	3	Vertical	258	2.80	-	40.25	32.59	6.90	34.29

802.11g_Nss1,(6Mbps)_2TX

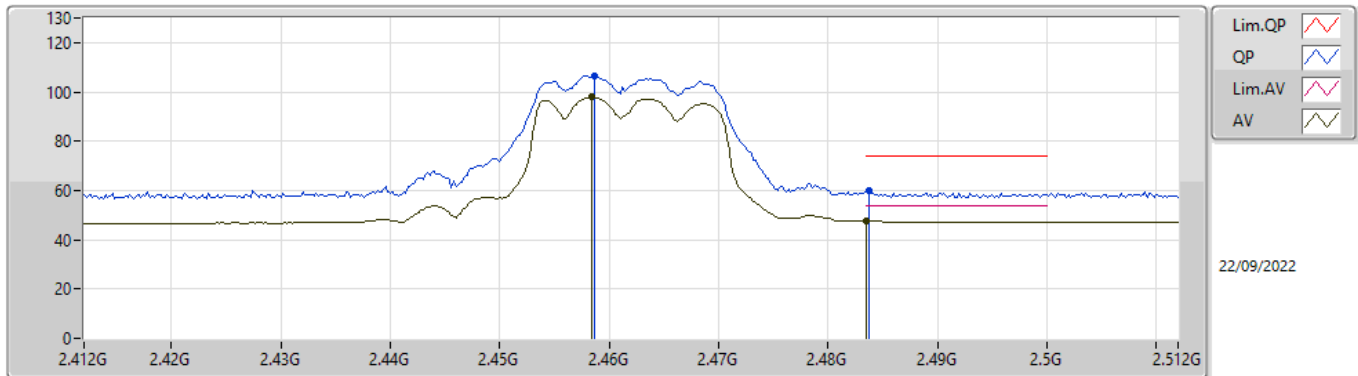
2437MHz_TX



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	4.8839G	32.52	54.00	-21.48	5.26	3	Horizontal	181	1.00	-	27.26	32.64	6.90	34.28
PK	4.88216G	45.15	74.00	-28.85	5.25	3	Horizontal	181	1.00	-	39.90	32.63	6.90	34.28

802.11g_Nss1,(6Mbps)_2TX

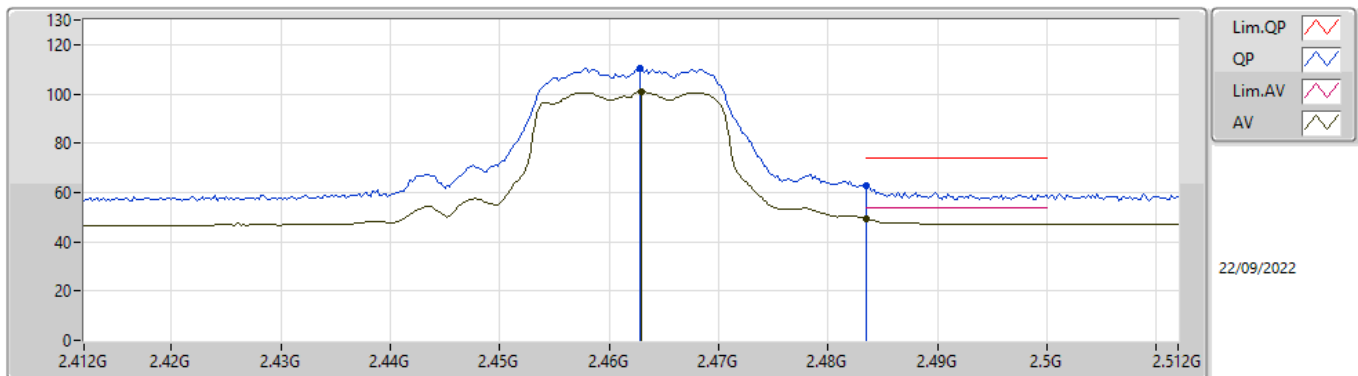
2462MHz_TX



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	2.4584G	97.85	Inf	-Inf	32.10	3	Vertical	220	2.58	-	65.75	27.62	4.48	-
AV	2.4835G	47.64	54.00	-6.36	32.15	3	Vertical	220	2.58	-	15.49	27.67	4.48	-
PK	2.4586G	106.60	Inf	-Inf	32.10	3	Vertical	220	2.58	-	74.50	27.62	4.48	-
PK	2.4838G	60.01	74.00	-13.99	32.15	3	Vertical	220	2.58	-	27.86	27.67	4.48	-

802.11g_Nss1,(6Mbps)_2TX

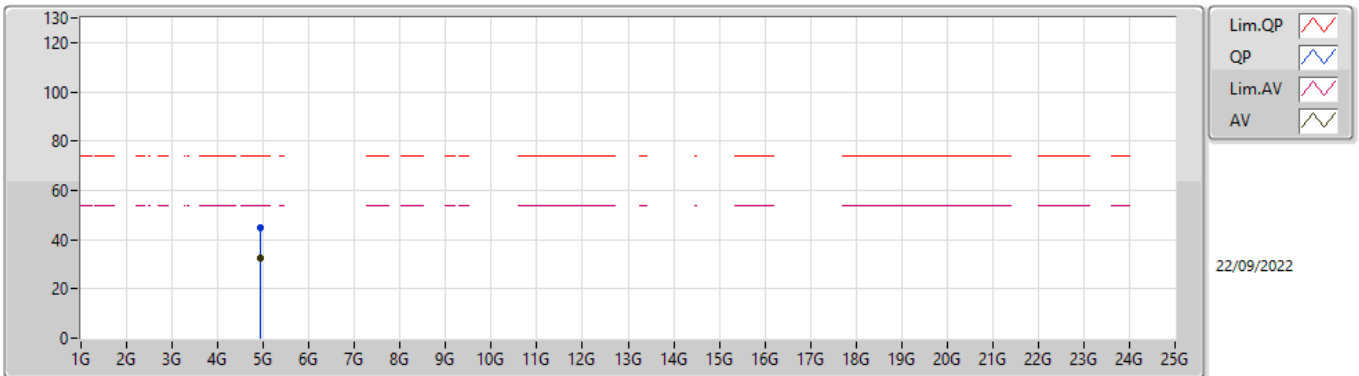
2462MHz_TX



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	100.78	Inf	-Inf	32.11	3	Horizontal	312	1.08	-	68.67	27.63	4.48	-
AV	2.4835G	49.43	54.00	-4.57	32.15	3	Horizontal	312	1.08	-	17.28	27.67	4.48	-
PK	2.4628G	110.57	Inf	-Inf	32.11	3	Horizontal	312	1.08	-	78.46	27.63	4.48	-
PK	2.4835G	62.53	74.00	-11.47	32.15	3	Horizontal	312	1.08	-	30.38	27.67	4.48	-

802.11g_Nss1,(6Mbps)_2TX

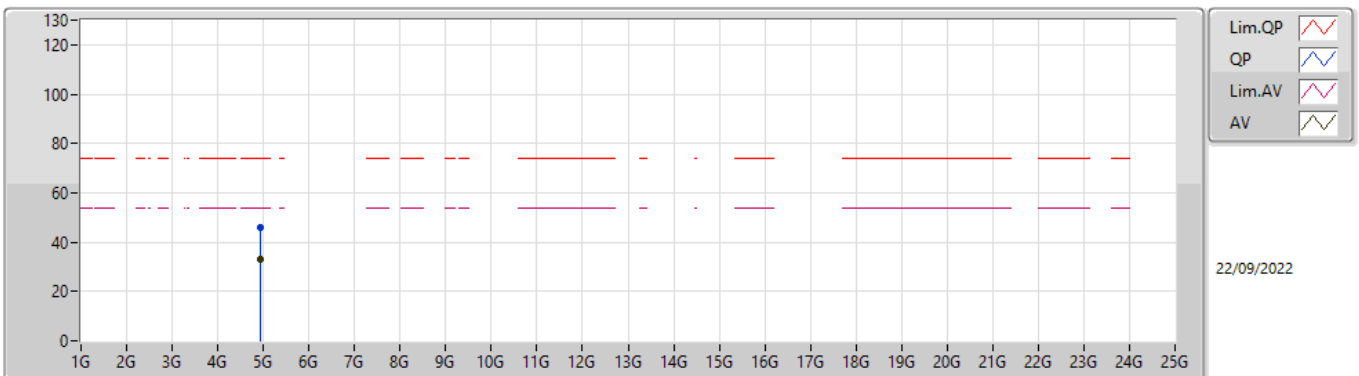
2462MHz_TX



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	4.92274G	32.47	54.00	-21.53	5.47	3	Vertical	53	1.50	-	27.00	32.84	6.91	34.28
PK	4.93012G	44.91	74.00	-29.09	5.51	3	Vertical	53	1.50	-	39.40	32.88	6.91	34.28

802.11g_Nss1,(6Mbps)_2TX

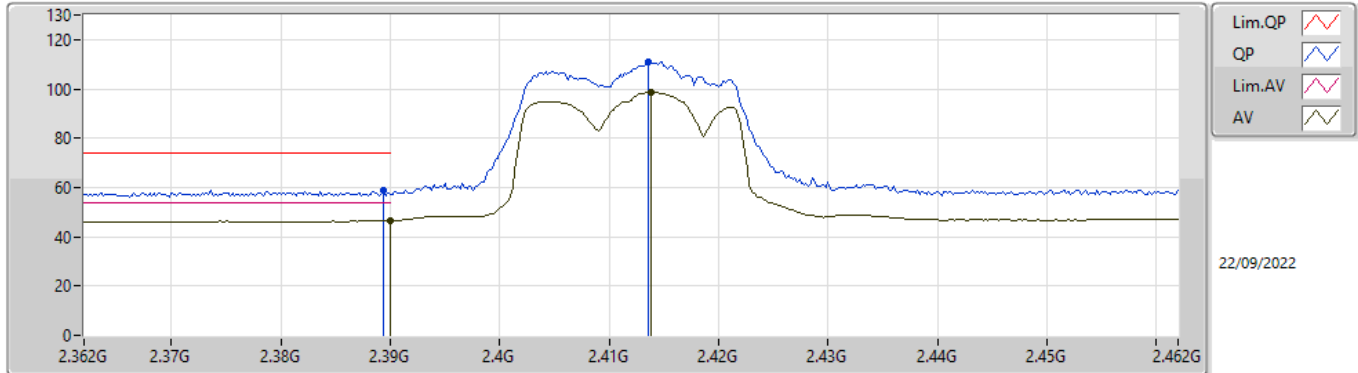
2462MHz_TX



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	4.9219G	32.91	54.00	-21.09	5.46	3	Horizontal	180	1.36	-	27.45	32.83	6.91	34.28
PK	4.92172G	46.15	74.00	-27.85	5.46	3	Horizontal	180	1.36	-	40.69	32.83	6.91	34.28

802.11ax HEW20_Nss1,(MCS0)_2TX

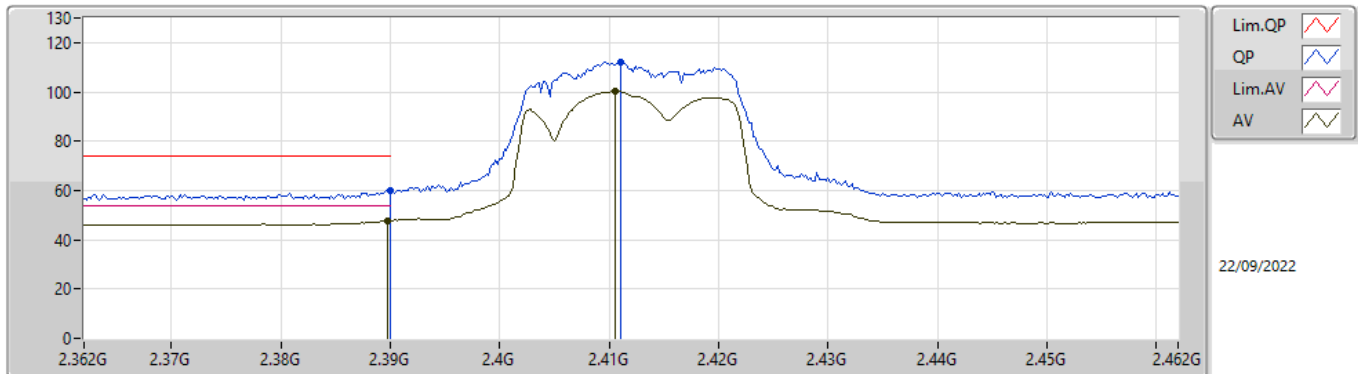
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	46.70	54.00	-7.30	31.86	3	Vertical	220	2.35	-	14.84	27.38	4.48	-
AV	2.4138G	98.55	Inf	-Inf	31.93	3	Vertical	220	2.35	-	66.62	27.46	4.47	-
PK	2.3894G	58.83	74.00	-15.17	31.86	3	Vertical	220	2.35	-	26.97	27.38	4.48	-
PK	2.4136G	111.05	Inf	-Inf	31.92	3	Vertical	220	2.35	-	79.13	27.45	4.47	-

802.11ax HEW20_Nss1,(MCS0)_2TX

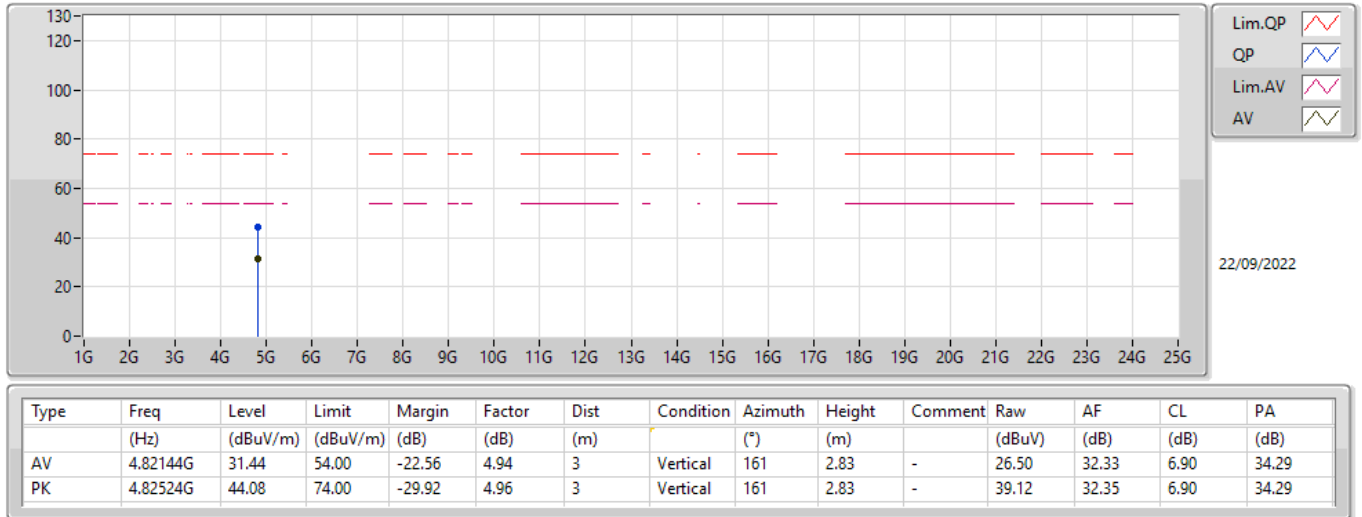
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	47.67	54.00	-6.33	31.86	3	Horizontal	198	1.01	-	15.81	27.38	4.48	-
AV	2.4106G	100.13	Inf	-Inf	31.91	3	Horizontal	198	1.01	-	68.22	27.44	4.47	-
PK	2.39G	60.22	74.00	-13.78	31.86	3	Horizontal	198	1.01	-	28.36	27.38	4.48	-
PK	2.411G	111.91	Inf	-Inf	31.91	3	Horizontal	198	1.01	-	80.00	27.44	4.47	-

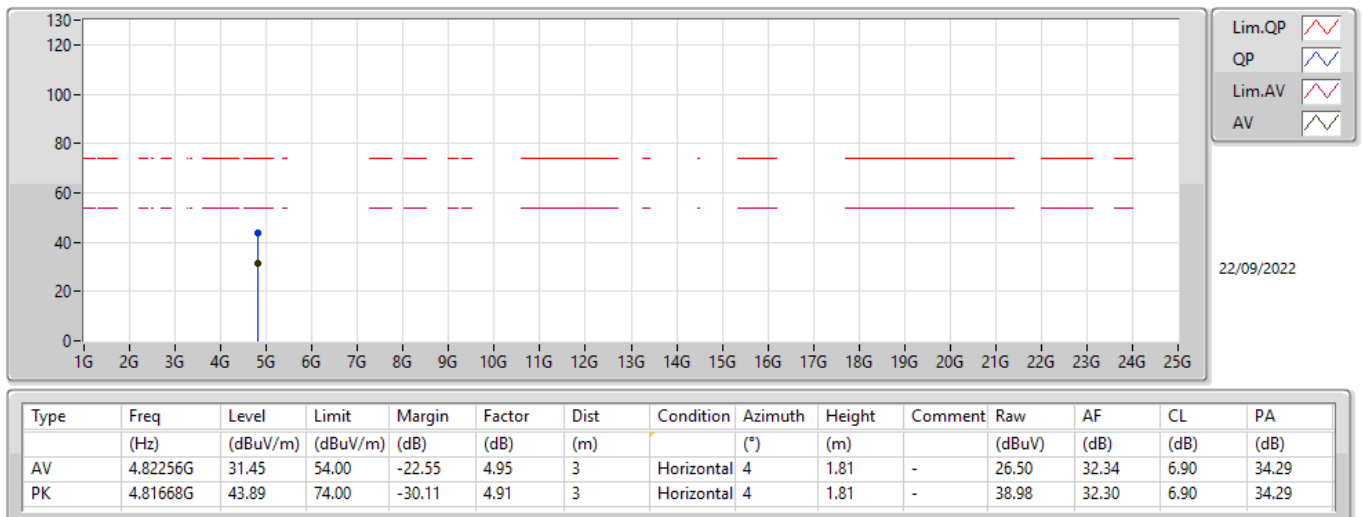
802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX



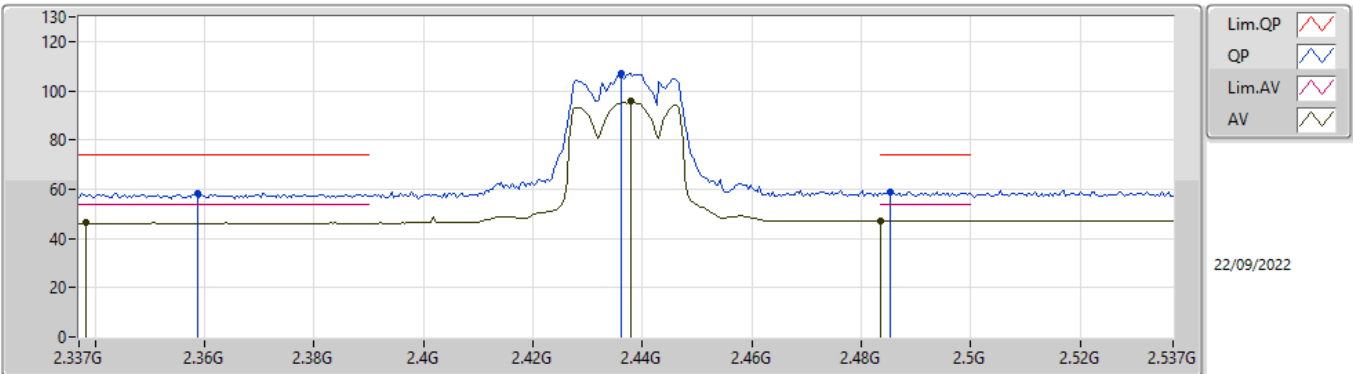
802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX



802.11ax HEW20_Nss1,(MCS0)_2TX

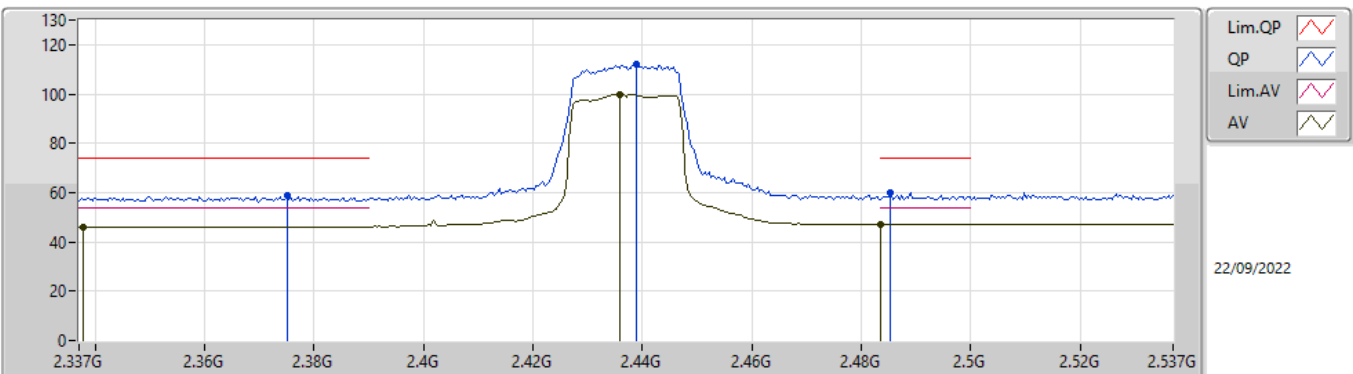
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3382G	46.47	54.00	-7.53	31.79	3	Vertical	175	2.21	-	14.68	27.28	4.51	-
AV	2.4378G	95.54	Inf	-Inf	32.03	3	Vertical	175	2.21	-	63.51	27.55	4.48	-
AV	2.4835G	46.87	54.00	-7.13	32.15	3	Vertical	175	2.21	-	14.72	27.67	4.48	-
PK	2.3586G	58.24	74.00	-15.76	31.81	3	Vertical	175	2.21	-	26.43	27.32	4.49	-
PK	2.4362G	107.28	Inf	-Inf	32.02	3	Vertical	175	2.21	-	75.26	27.54	4.48	-
PK	2.4854G	59.00	74.00	-15.00	32.15	3	Vertical	175	2.21	-	26.85	27.67	4.48	-

802.11ax HEW20_Nss1,(MCS0)_2TX

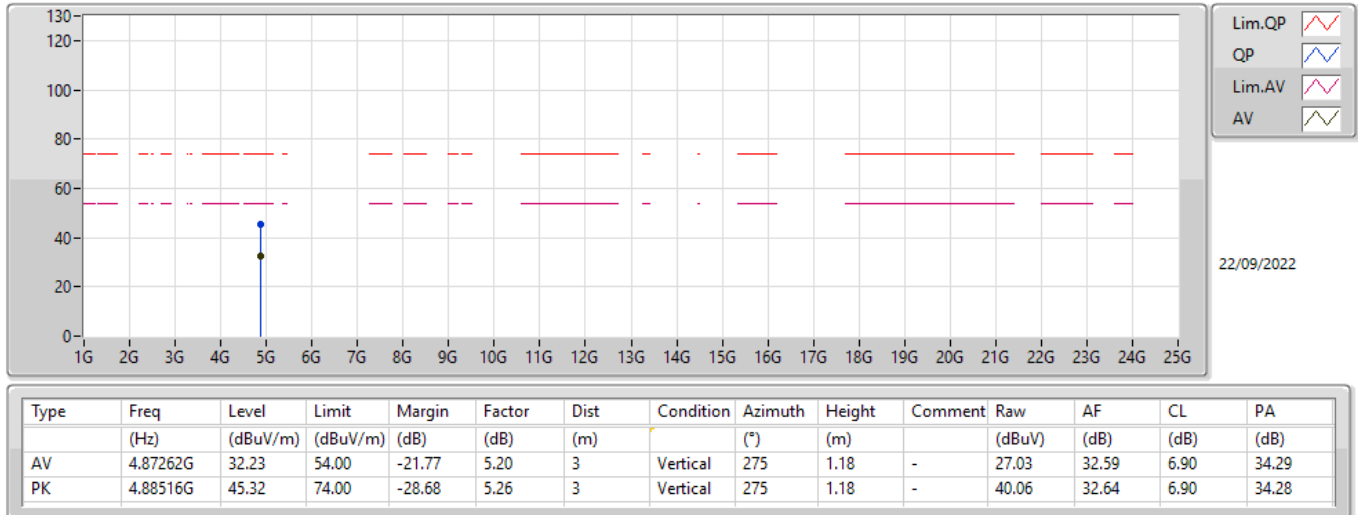
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3378G	46.21	54.00	-7.79	31.79	3	Horizontal	335	1.36	-	14.42	27.28	4.51	-
AV	2.4358G	99.89	Inf	-Inf	32.02	3	Horizontal	335	1.36	-	67.87	27.54	4.48	-
AV	2.4835G	47.13	54.00	-6.87	32.15	3	Horizontal	335	1.36	-	14.98	27.67	4.48	-
PK	2.375G	58.77	74.00	-15.23	31.83	3	Horizontal	335	1.36	-	26.94	27.35	4.48	-
PK	2.439G	112.05	Inf	-Inf	32.04	3	Horizontal	335	1.36	-	80.01	27.56	4.48	-
PK	2.4854G	60.01	74.00	-13.99	32.15	3	Horizontal	335	1.36	-	27.86	27.67	4.48	-

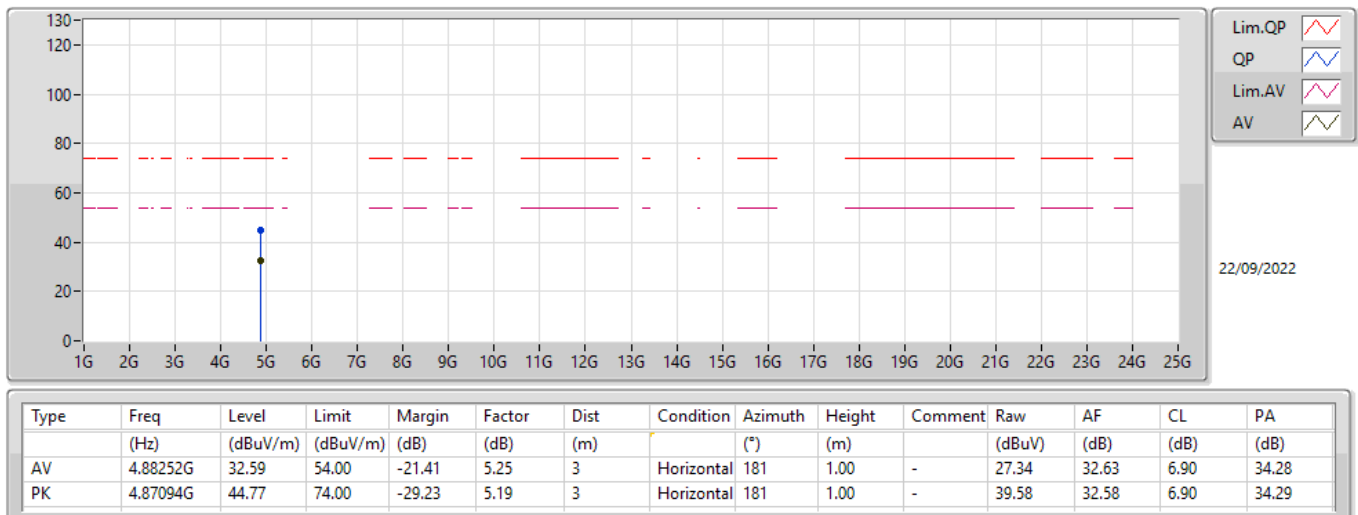
802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX



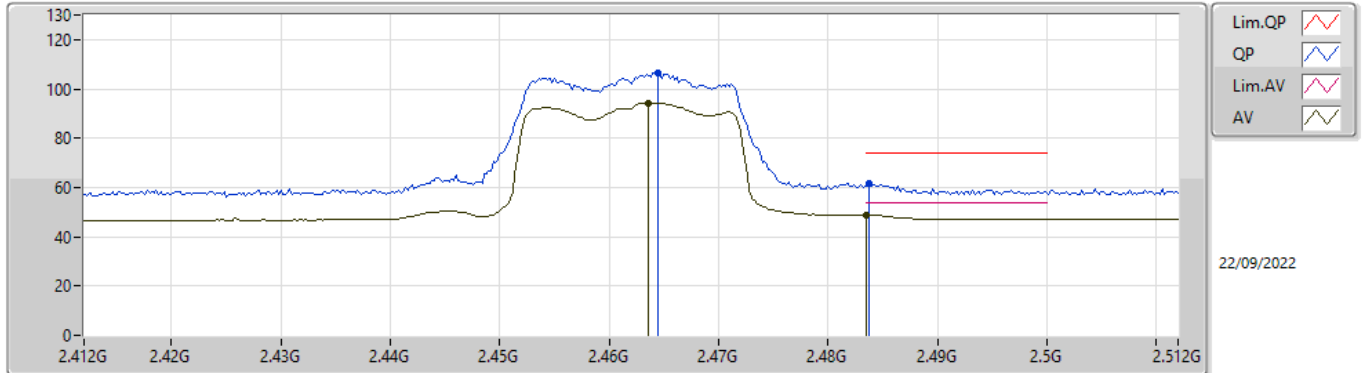
802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX



802.11ax HEW20_Nss1,(MCS0)_2TX

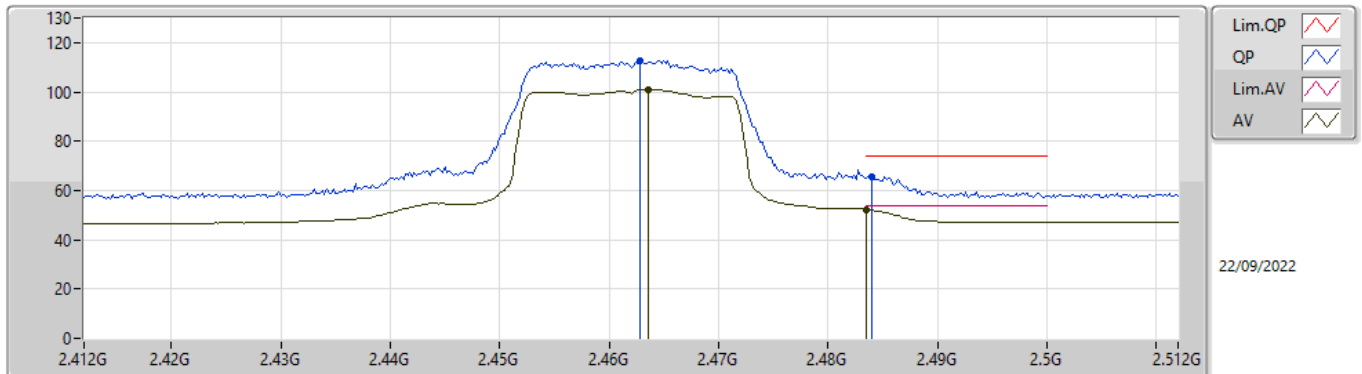
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4636G	94.30	Inf	-Inf	32.11	3	Vertical	27	1.34	-	62.19	27.63	4.48	-
AV	2.4835G	48.80	54.00	-5.20	32.15	3	Vertical	27	1.34	-	16.65	27.67	4.48	-
PK	2.4644G	106.36	Inf	-Inf	32.11	3	Vertical	27	1.34	-	74.25	27.63	4.48	-
PK	2.4838G	61.39	74.00	-12.61	32.15	3	Vertical	27	1.34	-	29.24	27.67	4.48	-

802.11ax HEW20_Nss1,(MCS0)_2TX

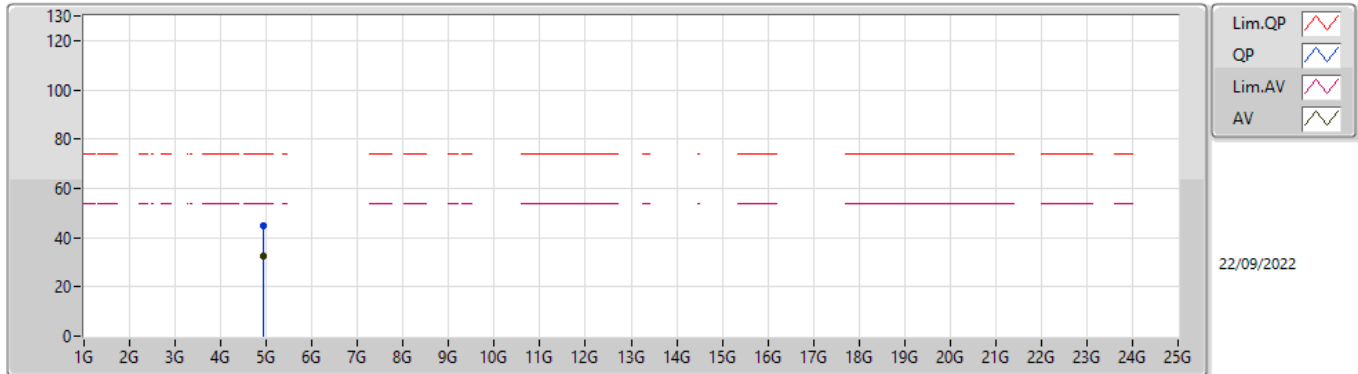
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4636G	100.98	Inf	-Inf	32.11	3	Horizontal	329	1.10	-	68.87	27.63	4.48	-
AV	2.4835G	52.33	54.00	-1.67	32.15	3	Horizontal	329	1.10	-	20.18	27.67	4.48	-
PK	2.4628G	112.83	Inf	-Inf	32.11	3	Horizontal	329	1.10	-	80.72	27.63	4.48	-
PK	2.484G	65.79	74.00	-8.21	32.15	3	Horizontal	329	1.10	-	33.64	27.67	4.48	-

802.11ax HEW20_Nss1,(MCS0)_2TX

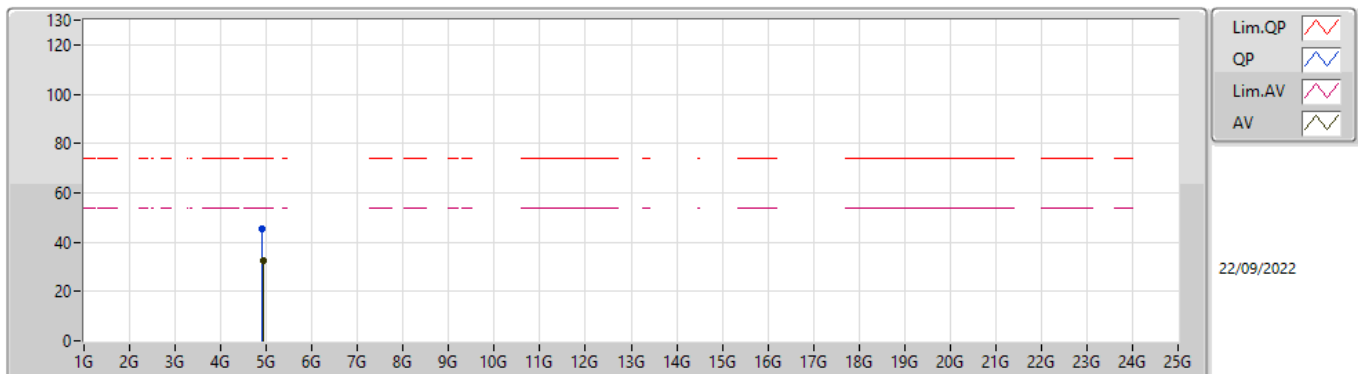
2462MHz_TX



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	4.9381G	32.40	54.00	-21.60	5.56	3	Vertical	146	1.50	-	26.84	32.93	6.91	34.28
PK	4.93888G	45.01	74.00	-28.99	5.56	3	Vertical	146	1.50	-	39.45	32.93	6.91	34.28

802.11ax HEW20_Nss1,(MCS0)_2TX

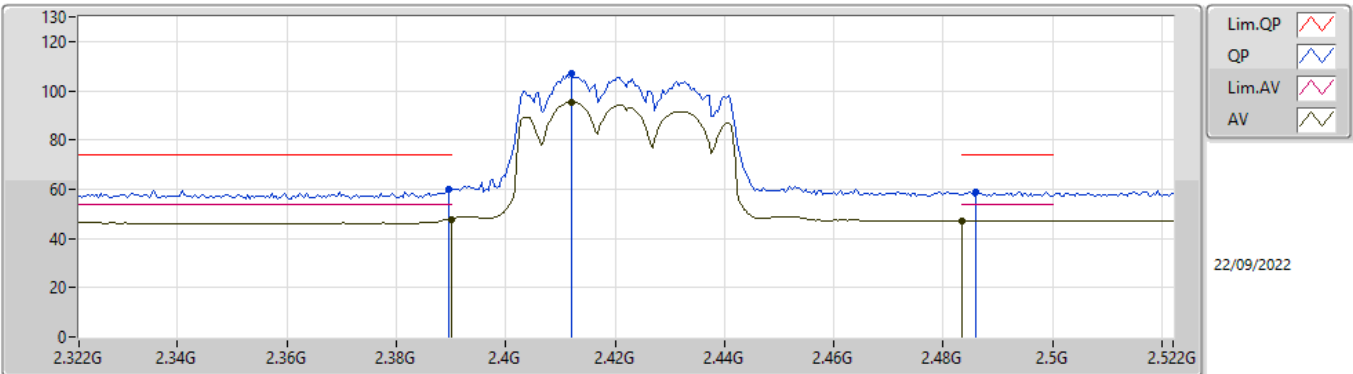
2462MHz_TX



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	4.92556G	32.42	54.00	-21.58	5.48	3	Horizontal	162	1.50	-	26.94	32.85	6.91	34.28
PK	4.9159G	45.23	74.00	-28.77	5.43	3	Horizontal	162	1.50	-	39.80	32.80	6.91	34.28

802.11ax HEW40_Nss1,(MCS0)_2TX

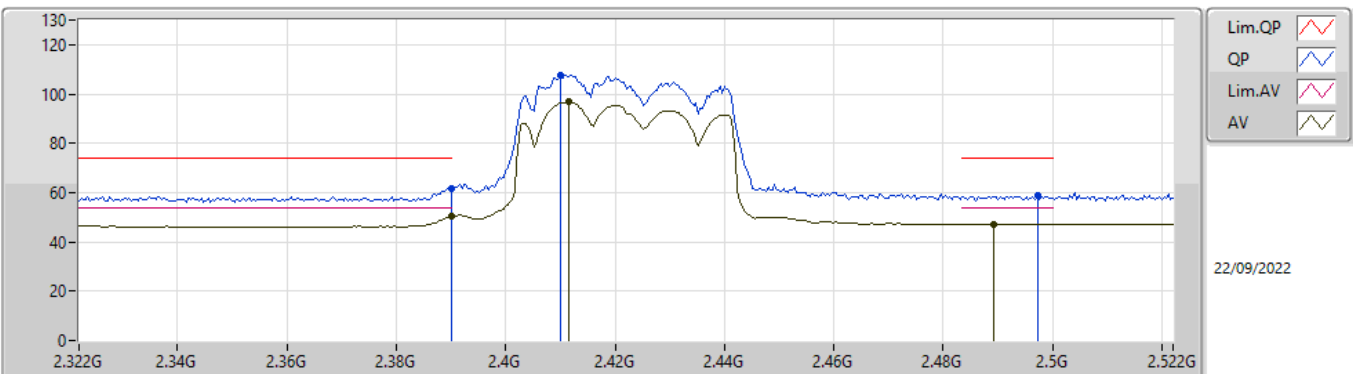
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	47.89	54.00	-6.11	31.86	3	Vertical	177	2.32	-	16.03	27.38	4.48	-
AV	2.412G	95.25	Inf	-Inf	31.92	3	Vertical	177	2.32	-	63.33	27.45	4.47	-
AV	2.4835G	46.87	54.00	-7.13	32.15	3	Vertical	177	2.32	-	14.72	27.67	4.48	-
PK	2.3896G	59.84	74.00	-14.16	31.86	3	Vertical	177	2.32	-	27.98	27.38	4.48	-
PK	2.412G	106.80	Inf	-Inf	31.92	3	Vertical	177	2.32	-	74.88	27.45	4.47	-
PK	2.486G	58.93	74.00	-15.07	32.15	3	Vertical	177	2.32	-	26.78	27.67	4.48	-

802.11ax HEW40_Nss1,(MCS0)_2TX

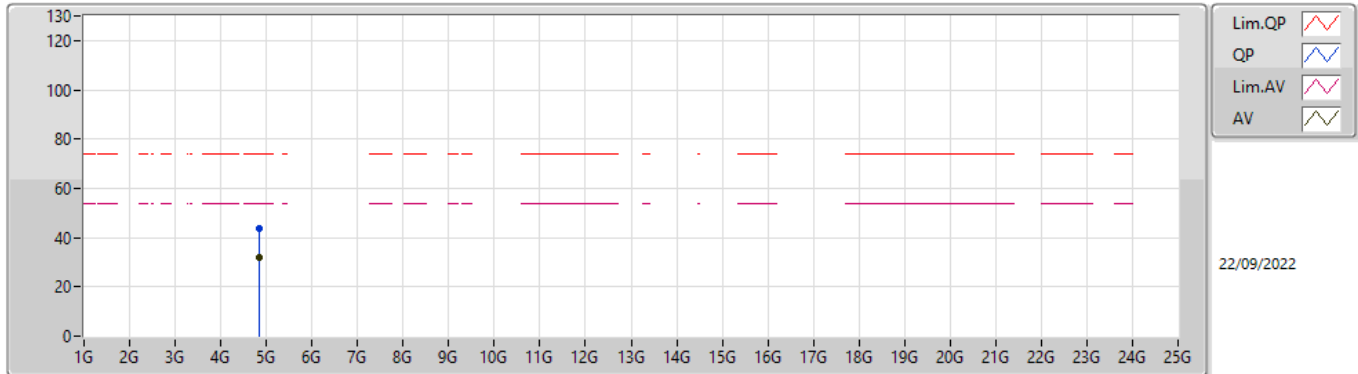
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	50.39	54.00	-3.61	31.86	3	Horizontal	197	1.50	-	18.53	27.38	4.48	-
AV	2.4116G	97.15	Inf	-Inf	31.92	3	Horizontal	197	1.50	-	65.23	27.45	4.47	-
AV	2.4892G	47.13	54.00	-6.87	32.16	3	Horizontal	197	1.50	-	14.97	27.68	4.48	-
PK	2.39G	61.84	74.00	-12.16	31.86	3	Horizontal	197	1.50	-	29.98	27.38	4.48	-
PK	2.41G	107.83	Inf	-Inf	31.91	3	Horizontal	197	1.50	-	75.92	27.44	4.47	-
PK	2.4972G	58.65	74.00	-15.35	32.17	3	Horizontal	197	1.50	-	26.48	27.69	4.48	-

802.11ax HEW40_Nss1,(MCS0)_2TX

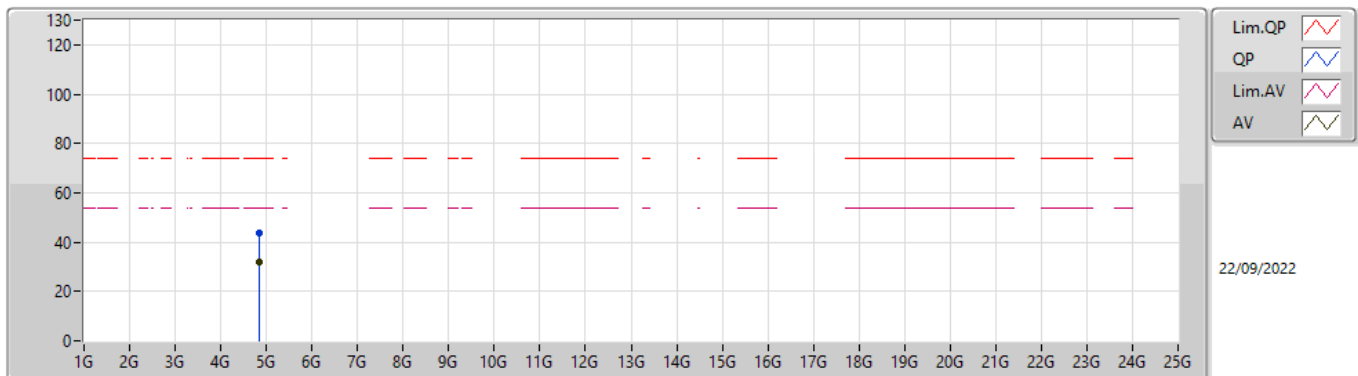
2422MHz_TX



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	4.84964G	31.69	54.00	-22.31	5.11	3	Vertical	54	1.05	-	26.58	32.50	6.90	34.29
PK	4.84752G	43.77	74.00	-30.23	5.10	3	Vertical	54	1.05	-	38.67	32.49	6.90	34.29

802.11ax HEW40_Nss1,(MCS0)_2TX

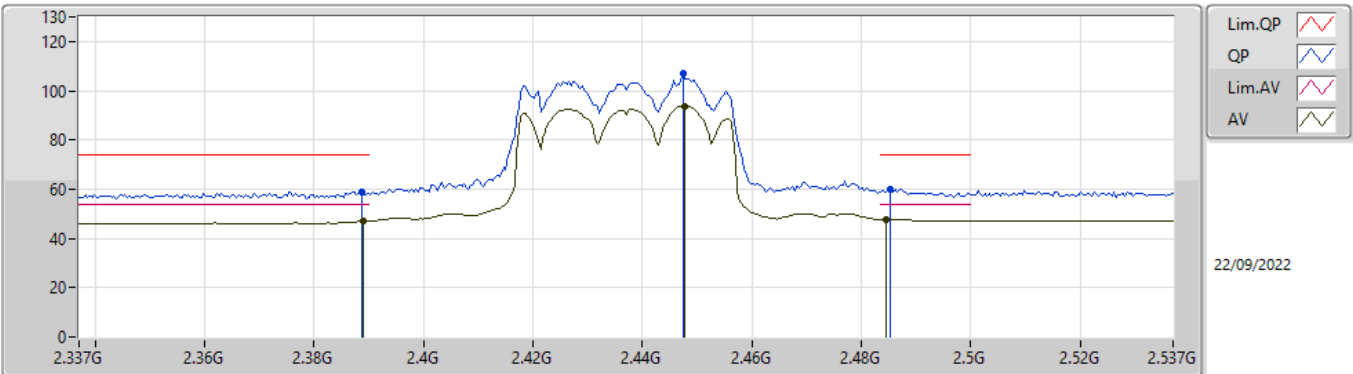
2422MHz_TX



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	4.84952G	31.69	54.00	-22.31	5.11	3	Horizontal	4	2.34	-	26.58	32.50	6.90	34.29
PK	4.84384G	43.68	74.00	-30.32	5.07	3	Horizontal	4	2.34	-	38.61	32.46	6.90	34.29

802.11ax HEW40_Nss1,(MCS0)_2TX

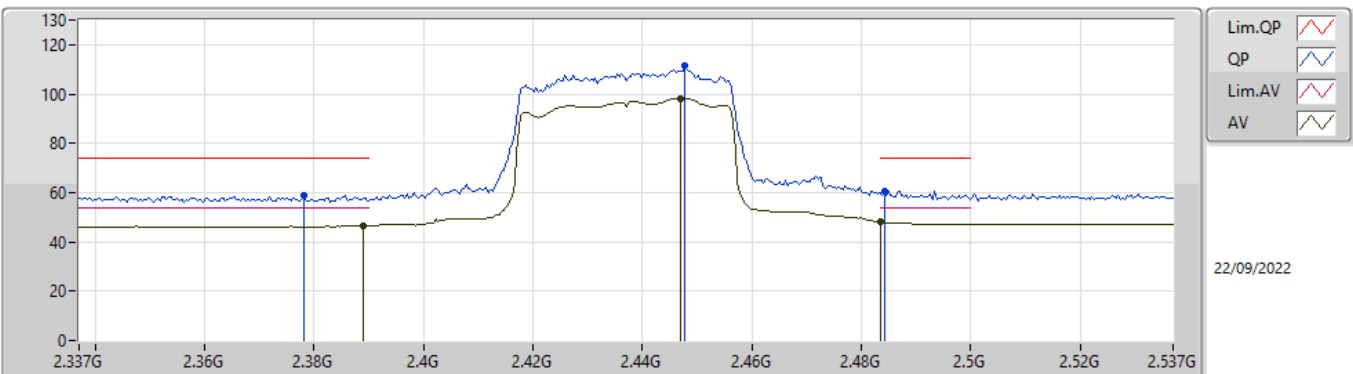
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	46.95	54.00	-7.05	31.86	3	Vertical	175	2.21	-	15.09	27.38	4.48	-
AV	2.4478G	93.78	Inf	-Inf	32.07	3	Vertical	175	2.21	-	61.71	27.59	4.48	-
AV	2.4846G	47.89	54.00	-6.11	32.15	3	Vertical	175	2.21	-	15.74	27.67	4.48	-
PK	2.3886G	58.89	74.00	-15.11	31.86	3	Vertical	175	2.21	-	27.03	27.38	4.48	-
PK	2.4474G	107.05	Inf	-Inf	32.07	3	Vertical	175	2.21	-	74.98	27.59	4.48	-
PK	2.4854G	60.01	74.00	-13.99	32.15	3	Vertical	175	2.21	-	27.86	27.67	4.48	-

802.11ax HEW40_Nss1,(MCS0)_2TX

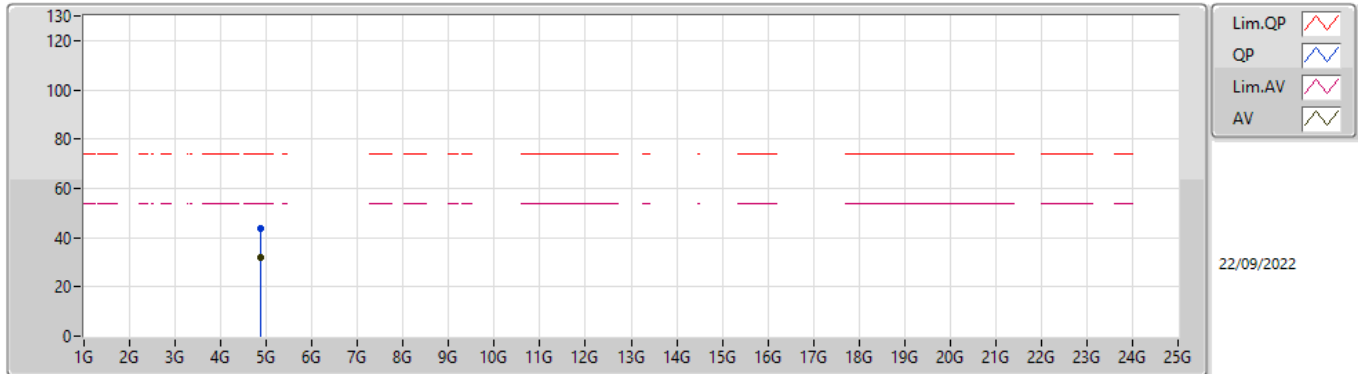
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	46.70	54.00	-7.30	31.86	3	Horizontal	332	1.22	-	14.84	27.38	4.48	-
AV	2.447G	98.30	Inf	-Inf	32.07	3	Horizontal	332	1.22	-	66.23	27.59	4.48	-
AV	2.4835G	48.13	54.00	-5.87	32.15	3	Horizontal	332	1.22	-	15.98	27.67	4.48	-
PK	2.3782G	58.72	74.00	-15.28	31.84	3	Horizontal	332	1.22	-	26.88	27.36	4.48	-
PK	2.4478G	111.29	Inf	-Inf	32.07	3	Horizontal	332	1.22	-	79.22	27.59	4.48	-
PK	2.4842G	60.64	74.00	-13.36	32.15	3	Horizontal	332	1.22	-	28.49	27.67	4.48	-

802.11ax HEW40_Nss1,(MCS0)_2TX

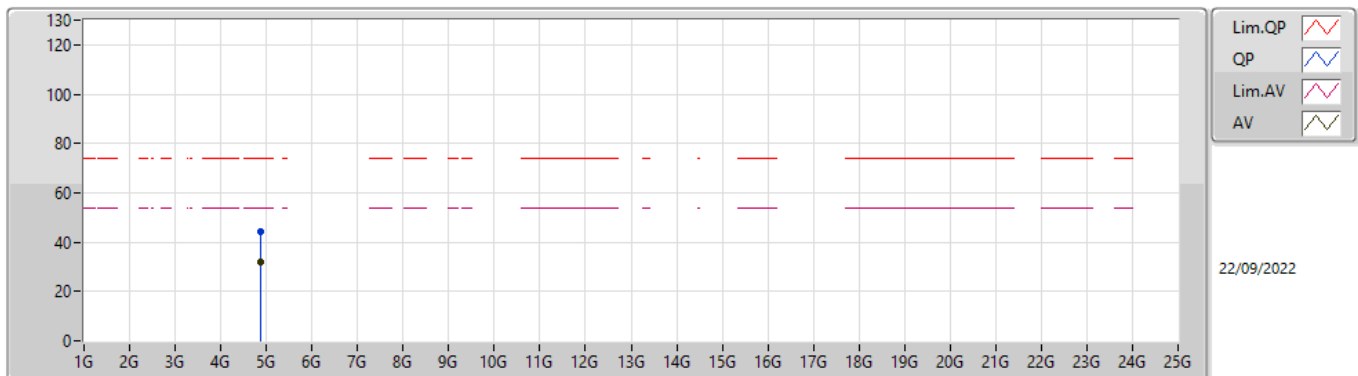
2437MHz_TX



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	4.86916G	31.84	54.00	-22.16	5.19	3	Vertical	245	1.57	-	26.65	32.58	6.90	34.29
PK	4.8686G	43.71	74.00	-30.29	5.18	3	Vertical	245	1.57	-	38.53	32.57	6.90	34.29

802.11ax HEW40_Nss1,(MCS0)_2TX

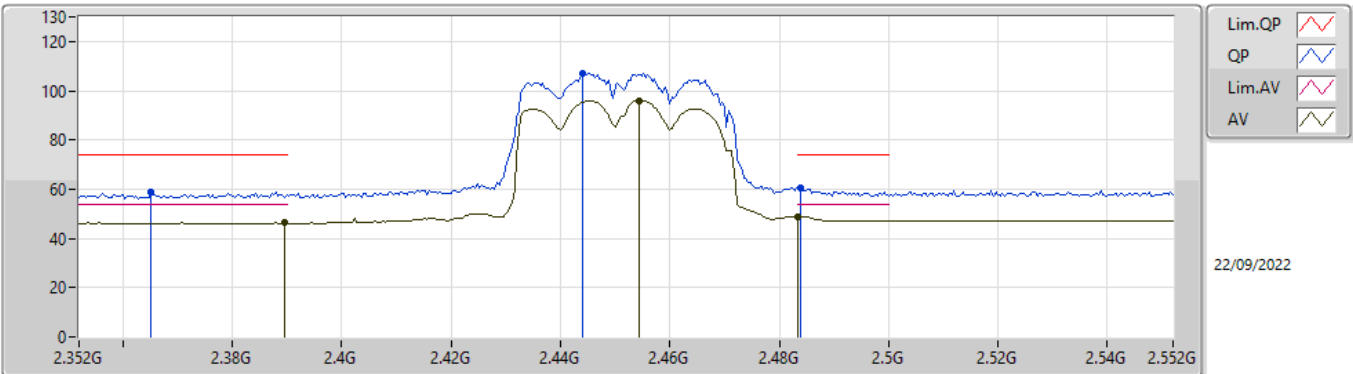
2437MHz_TX



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	4.87224G	31.95	54.00	-22.05	5.20	3	Horizontal	197	2.97	-	26.75	32.59	6.90	34.29
PK	4.88092G	44.51	74.00	-29.49	5.24	3	Horizontal	197	2.97	-	39.27	32.62	6.90	34.28

802.11ax HEW40_Nss1,(MCS0)_2TX

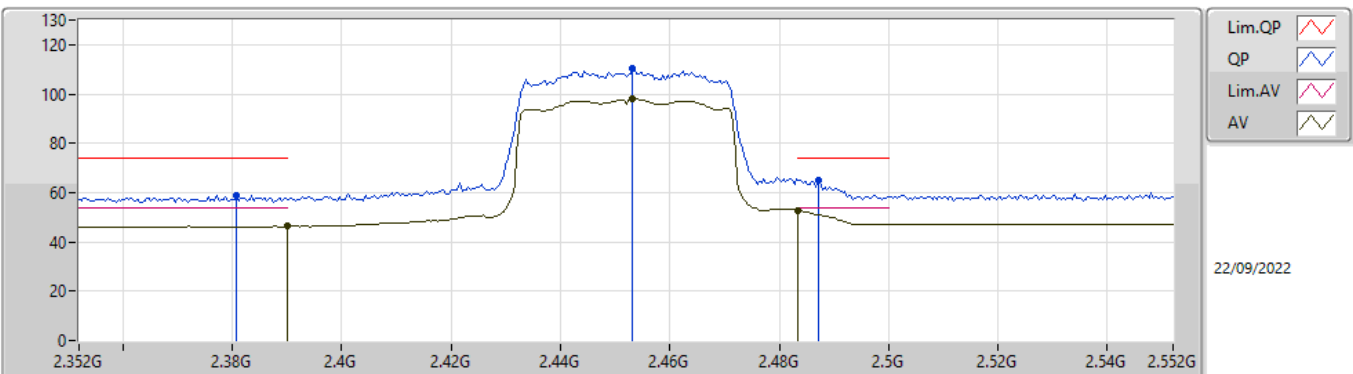
2452MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	46.44	54.00	-7.56	31.86	3	Vertical	220	2.56	-	14.58	27.38	4.48	-
AV	2.4544G	95.93	Inf	-Inf	32.09	3	Vertical	220	2.56	-	63.84	27.61	4.48	-
AV	2.4835G	49.02	54.00	-4.98	32.15	3	Vertical	220	2.56	-	16.87	27.67	4.48	-
PK	2.3652G	58.70	74.00	-15.30	31.82	3	Vertical	220	2.56	-	26.88	27.33	4.49	-
PK	2.444G	107.13	Inf	-Inf	32.06	3	Vertical	220	2.56	-	75.07	27.58	4.48	-
PK	2.484G	60.36	74.00	-13.64	32.15	3	Vertical	220	2.56	-	28.21	27.67	4.48	-

802.11ax HEW40_Nss1,(MCS0)_2TX

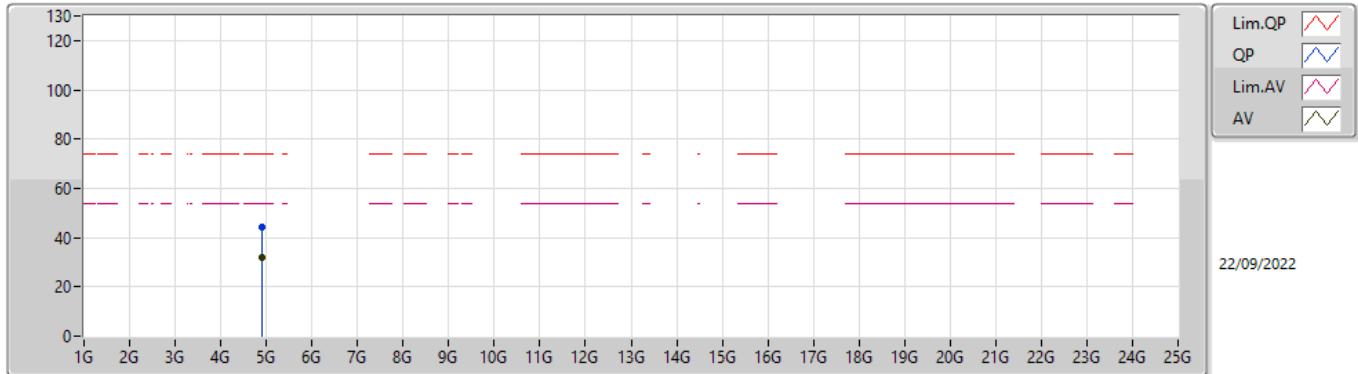
2452MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	46.44	54.00	-7.56	31.86	3	Horizontal	329	1.08	-	14.58	27.38	4.48	-
AV	2.4532G	98.08	Inf	-Inf	32.09	3	Horizontal	329	1.08	-	65.99	27.61	4.48	-
AV	2.4835G	52.75	54.00	-1.25	32.15	3	Horizontal	329	1.08	-	20.60	27.67	4.48	-
PK	2.3808G	58.84	74.00	-15.16	31.84	3	Horizontal	329	1.08	-	27.00	27.36	4.48	-
PK	2.4532G	110.16	Inf	-Inf	32.09	3	Horizontal	329	1.08	-	78.07	27.61	4.48	-
PK	2.4872G	65.22	74.00	-8.78	32.15	3	Horizontal	329	1.08	-	33.07	27.67	4.48	-

802.11ax HEW40_Nss1,(MCS0)_2TX

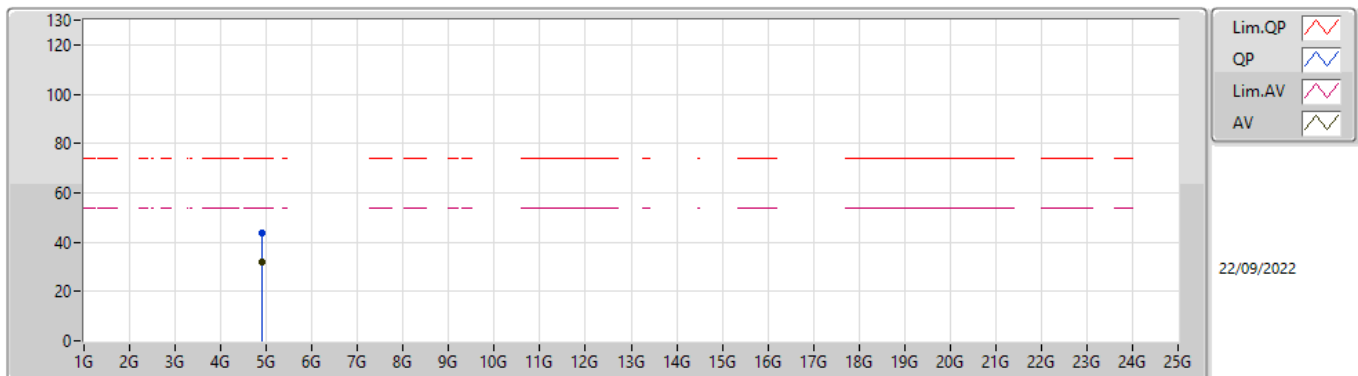
2452MHz_TX



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	4.91096G	32.09	54.00	-21.91	5.40	3	Vertical	264	1.52	-	26.69	32.77	6.91	34.28
PK	4.91388G	44.51	74.00	-29.49	5.41	3	Vertical	264	1.52	-	39.10	32.78	6.91	34.28

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	4.9074G	32.12	54.00	-21.88	5.37	3	Horizontal	167	2.85	-	26.75	32.74	6.91	34.28
PK	4.90852G	43.91	74.00	-30.09	5.38	3	Horizontal	167	2.85	-	38.53	32.75	6.91	34.28



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 HEW20-BF_Nss1,(MCS0)_2TX	Pass	AV	2.4837G	53.79	54.00	-0.21	3	Horizontal	314	1.50	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	AV	2.4844G	49.12	54.00	-4.88	3	Horizontal	318	1.13	-

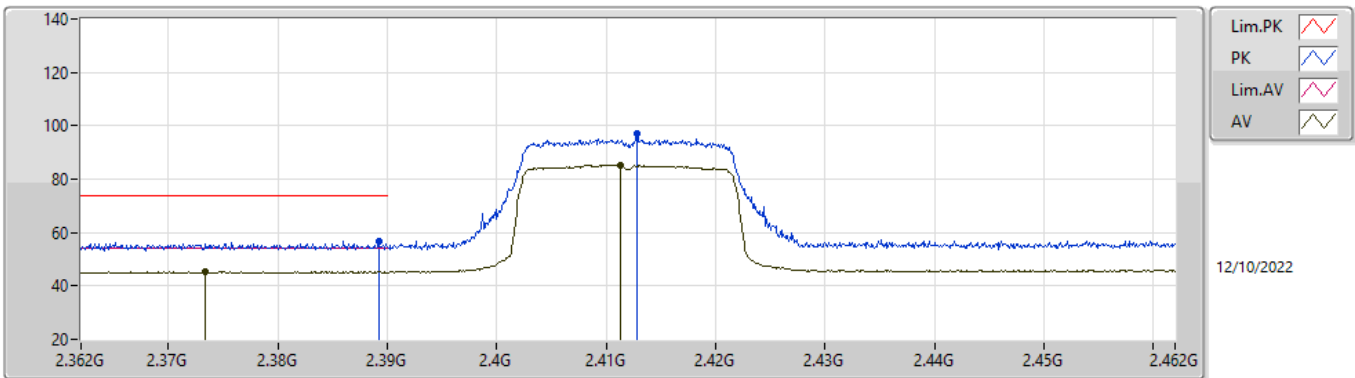
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3733G	45.35	54.00	-8.65	3	Vertical	124	1.68	-
2412MHz	Pass	AV	2.4113G	85.28	Inf	-Inf	3	Vertical	124	1.68	-
2412MHz	Pass	PK	2.3892G	56.89	74.00	-17.11	3	Vertical	124	1.68	-
2412MHz	Pass	PK	2.4128G	96.89	Inf	-Inf	3	Vertical	124	1.68	-
2412MHz	Pass	AV	2.3897G	46.13	54.00	-7.87	3	Horizontal	347	1.62	-
2412MHz	Pass	AV	2.4074G	94.63	Inf	-Inf	3	Horizontal	347	1.62	-
2412MHz	Pass	PK	2.3885G	58.70	74.00	-15.30	3	Horizontal	347	1.62	-
2412MHz	Pass	PK	2.407G	105.50	Inf	-Inf	3	Horizontal	347	1.62	-
2412MHz	Pass	AV	4.82254G	34.31	54.00	-19.69	3	Vertical	360	1.77	-
2412MHz	Pass	PK	4.82272G	45.86	74.00	-28.14	3	Vertical	360	1.77	-
2412MHz	Pass	AV	4.82239G	34.34	54.00	-19.66	3	Horizontal	141	2.98	-
2412MHz	Pass	PK	4.82247G	45.31	74.00	-28.69	3	Horizontal	141	2.98	-
2437MHz	Pass	AV	2.385G	45.48	54.00	-8.52	3	Vertical	239	2.96	-
2437MHz	Pass	AV	2.442G	89.89	Inf	-Inf	3	Vertical	239	2.96	-
2437MHz	Pass	AV	2.4968G	46.32	54.00	-7.68	3	Vertical	239	2.96	-
2437MHz	Pass	PK	2.3744G	56.70	74.00	-17.30	3	Vertical	239	2.96	-
2437MHz	Pass	PK	2.4432G	102.92	Inf	-Inf	3	Vertical	239	2.96	-
2437MHz	Pass	PK	2.4854G	57.45	74.00	-16.55	3	Vertical	239	2.96	-
2437MHz	Pass	AV	2.3896G	45.45	54.00	-8.55	3	Horizontal	329	1.90	-
2437MHz	Pass	AV	2.434G	93.59	Inf	-Inf	3	Horizontal	329	1.90	-
2437MHz	Pass	AV	2.488G	46.33	54.00	-7.67	3	Horizontal	329	1.90	-
2437MHz	Pass	PK	2.3424G	56.81	74.00	-17.19	3	Horizontal	329	1.90	-
2437MHz	Pass	PK	2.4378G	106.09	Inf	-Inf	3	Horizontal	329	1.90	-
2437MHz	Pass	PK	2.498G	57.51	74.00	-16.49	3	Horizontal	329	1.90	-
2437MHz	Pass	AV	4.87354G	34.00	54.00	-20.00	3	Vertical	341	1.31	-
2437MHz	Pass	PK	4.87406G	45.28	74.00	-28.72	3	Vertical	341	1.31	-
2437MHz	Pass	AV	4.87321G	33.89	54.00	-20.11	3	Horizontal	26	2.65	-
2437MHz	Pass	PK	4.87151G	45.26	74.00	-28.74	3	Horizontal	26	2.65	-
2462MHz	Pass	AV	2.4549G	93.01	Inf	-Inf	3	Vertical	246	1.36	-
2462MHz	Pass	AV	2.4839G	49.07	54.00	-4.93	3	Vertical	246	1.36	-
2462MHz	Pass	PK	2.4587G	103.72	Inf	-Inf	3	Vertical	246	1.36	-
2462MHz	Pass	PK	2.4848G	67.89	74.00	-6.11	3	Vertical	246	1.36	-
2462MHz	Pass	AV	2.467G	98.59	Inf	-Inf	3	Horizontal	314	1.50	-
2462MHz	Pass	AV	2.4837G	53.79	54.00	-0.21	3	Horizontal	314	1.50	-
2462MHz	Pass	PK	2.456G	110.10	Inf	-Inf	3	Horizontal	314	1.50	-
2462MHz	Pass	PK	2.4846G	70.35	74.00	-3.65	3	Horizontal	314	1.50	-
2462MHz	Pass	AV	4.92236G	34.50	54.00	-19.50	3	Vertical	136	1.34	-
2462MHz	Pass	PK	4.92161G	45.61	74.00	-28.39	3	Vertical	136	1.34	-
2462MHz	Pass	AV	4.92532G	34.24	54.00	-19.76	3	Horizontal	23	2.55	-
2462MHz	Pass	PK	4.92584G	45.66	74.00	-28.34	3	Horizontal	23	2.55	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3848G	45.54	54.00	-8.46	3	Vertical	244	1.50	-
2422MHz	Pass	AV	2.4402G	84.43	Inf	-Inf	3	Vertical	244	1.50	-
2422MHz	Pass	AV	2.4952G	46.40	54.00	-7.60	3	Vertical	244	1.50	-
2422MHz	Pass	PK	2.365G	57.20	74.00	-16.80	3	Vertical	244	1.50	-
2422MHz	Pass	PK	2.4102G	93.56	Inf	-Inf	3	Vertical	244	1.50	-
2422MHz	Pass	PK	2.4976G	57.34	74.00	-16.66	3	Vertical	244	1.50	-
2422MHz	Pass	AV	2.39G	45.87	54.00	-8.13	3	Horizontal	317	1.84	-
2422MHz	Pass	AV	2.4322G	91.18	Inf	-Inf	3	Horizontal	317	1.84	-
2422MHz	Pass	AV	2.497G	46.50	54.00	-7.50	3	Horizontal	317	1.84	-
2422MHz	Pass	PK	2.3768G	56.59	74.00	-17.41	3	Horizontal	317	1.84	-
2422MHz	Pass	PK	2.429G	101.29	Inf	-Inf	3	Horizontal	317	1.84	-
2422MHz	Pass	PK	2.4976G	57.41	74.00	-16.59	3	Horizontal	317	1.84	-
2422MHz	Pass	AV	4.84156G	34.62	54.00	-19.38	3	Vertical	64	1.30	-
2422MHz	Pass	PK	4.8432G	45.84	74.00	-28.16	3	Vertical	64	1.30	-
2422MHz	Pass	AV	4.84212G	34.78	54.00	-19.22	3	Horizontal	229	2.32	-
2422MHz	Pass	PK	4.84365G	46.02	74.00	-27.98	3	Horizontal	229	2.32	-
2437MHz	Pass	AV	2.382G	45.48	54.00	-8.52	3	Vertical	238	1.02	-
2437MHz	Pass	AV	2.4328G	87.07	Inf	-Inf	3	Vertical	238	1.02	-
2437MHz	Pass	AV	2.4896G	46.33	54.00	-7.67	3	Vertical	238	1.02	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.3874G	56.88	74.00	-17.12	3	Vertical	238	1.02	-
2437MHz	Pass	PK	2.4282G	99.61	Inf	-Inf	3	Vertical	238	1.02	-
2437MHz	Pass	PK	2.488G	61.45	74.00	-12.55	3	Vertical	238	1.02	-
2437MHz	Pass	AV	2.3564G	45.44	54.00	-8.56	3	Horizontal	342	1.50	-
2437MHz	Pass	AV	2.4538G	90.76	Inf	-Inf	3	Horizontal	342	1.50	-
2437MHz	Pass	AV	2.489G	46.95	54.00	-7.05	3	Horizontal	342	1.50	-
2437MHz	Pass	PK	2.3474G	56.77	74.00	-17.23	3	Horizontal	342	1.50	-
2437MHz	Pass	PK	2.432G	100.44	Inf	-Inf	3	Horizontal	342	1.50	-
2437MHz	Pass	PK	2.4864G	57.02	74.00	-16.98	3	Horizontal	342	1.50	-
2437MHz	Pass	AV	4.87255G	33.93	54.00	-20.07	3	Vertical	297	1.69	-
2437MHz	Pass	PK	4.87161G	45.31	74.00	-28.69	3	Vertical	297	1.69	-
2437MHz	Pass	AV	4.87481G	33.95	54.00	-20.05	3	Horizontal	111	1.81	-
2437MHz	Pass	PK	4.87594G	44.96	74.00	-29.04	3	Horizontal	111	1.81	-
2452MHz	Pass	AV	2.3872G	45.41	54.00	-8.59	3	Vertical	360	1.40	-
2452MHz	Pass	AV	2.453G	82.09	Inf	-Inf	3	Vertical	360	1.40	-
2452MHz	Pass	AV	2.4912G	46.49	54.00	-7.51	3	Vertical	360	1.40	-
2452MHz	Pass	PK	2.3846G	56.08	74.00	-17.92	3	Vertical	360	1.40	-
2452MHz	Pass	PK	2.4658G	95.32	Inf	-Inf	3	Vertical	360	1.40	-
2452MHz	Pass	PK	2.4898G	57.25	74.00	-16.75	3	Vertical	360	1.40	-
2452MHz	Pass	AV	2.3754G	45.49	54.00	-8.51	3	Horizontal	318	1.13	-
2452MHz	Pass	AV	2.4688G	93.76	Inf	-Inf	3	Horizontal	318	1.13	-
2452MHz	Pass	AV	2.4844G	49.12	54.00	-4.88	3	Horizontal	318	1.13	-
2452MHz	Pass	PK	2.386G	56.60	74.00	-17.40	3	Horizontal	318	1.13	-
2452MHz	Pass	PK	2.4682G	104.59	Inf	-Inf	3	Horizontal	318	1.13	-
2452MHz	Pass	PK	2.4874G	64.12	74.00	-9.88	3	Horizontal	318	1.13	-
2452MHz	Pass	AV	4.90467G	34.55	54.00	-19.45	3	Vertical	278	2.42	-
2452MHz	Pass	PK	4.90547G	46.06	74.00	-27.94	3	Vertical	278	2.42	-
2452MHz	Pass	AV	4.90235G	34.61	54.00	-19.39	3	Horizontal	38	1.28	-
2452MHz	Pass	PK	4.902G	45.93	74.00	-28.07	3	Horizontal	38	1.28	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

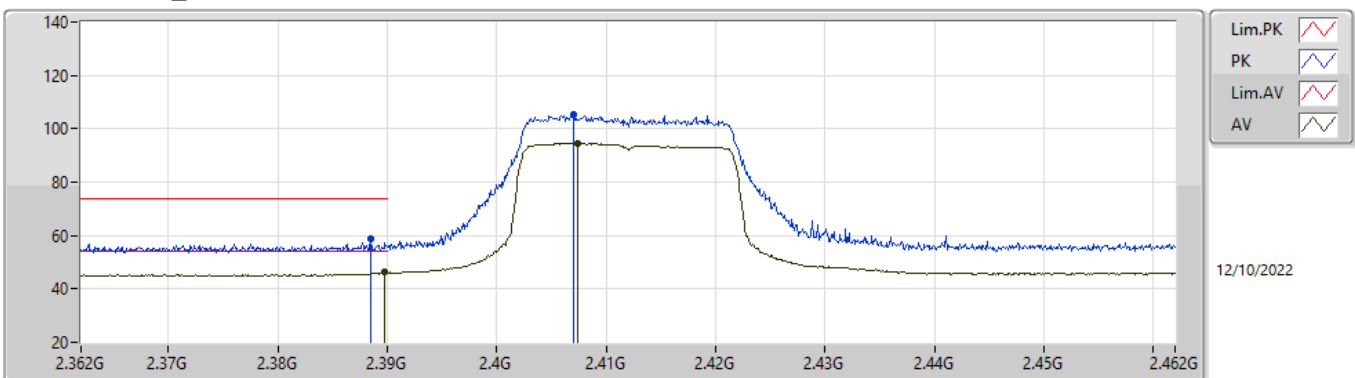
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3733G	45.35	54.00	-8.65	31.48	3	Vertical	124	1.68	-	13.87	27.34	4.14	-
AV	2.4113G	85.28	Inf	-Inf	31.70	3	Vertical	124	1.68	-	53.58	27.52	4.18	-
PK	2.3892G	56.89	74.00	-17.11	31.60	3	Vertical	124	1.68	-	25.29	27.44	4.16	-
PK	2.4128G	96.89	Inf	-Inf	31.71	3	Vertical	124	1.68	-	65.18	27.53	4.18	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

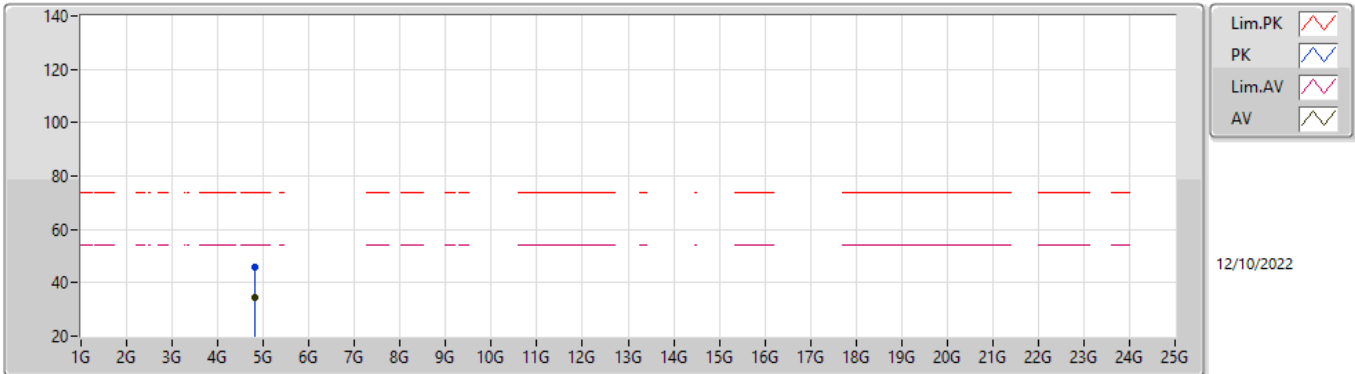
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3897G	46.13	54.00	-7.87	31.60	3	Horizontal	347	1.62	-	14.53	27.44	4.16	-
AV	2.4074G	94.63	Inf	-Inf	31.68	3	Horizontal	347	1.62	-	62.95	27.51	4.17	-
PK	2.3885G	58.70	74.00	-15.30	31.59	3	Horizontal	347	1.62	-	27.11	27.43	4.16	-
PK	2.407G	105.50	Inf	-Inf	31.68	3	Horizontal	347	1.62	-	73.82	27.51	4.17	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

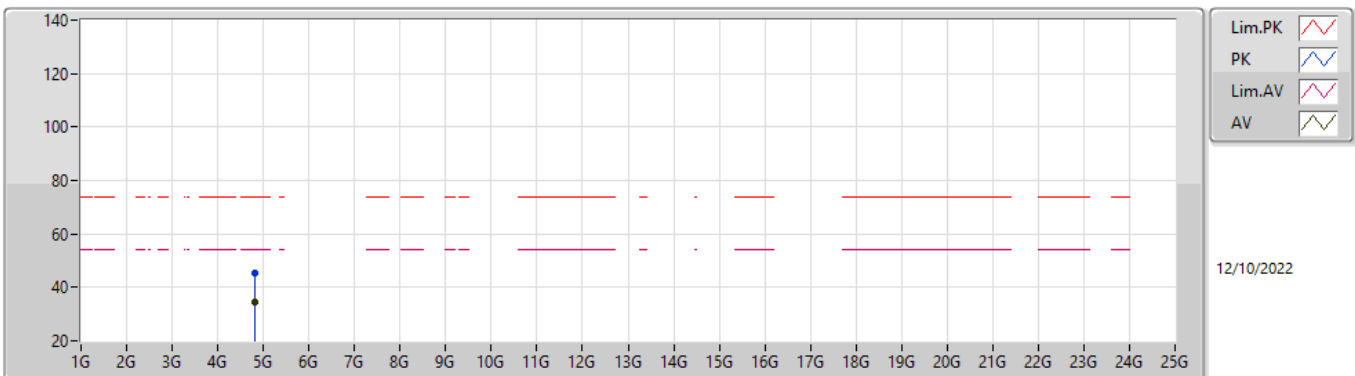
2412MHz_TX



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	4.82254G	34.31	54.00	-19.69	3.47	3	Vertical	360	1.77	-	30.84	32.44	5.68	34.65
PK	4.82272G	45.86	74.00	-28.14	3.47	3	Vertical	360	1.77	-	42.39	32.44	5.68	34.65

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

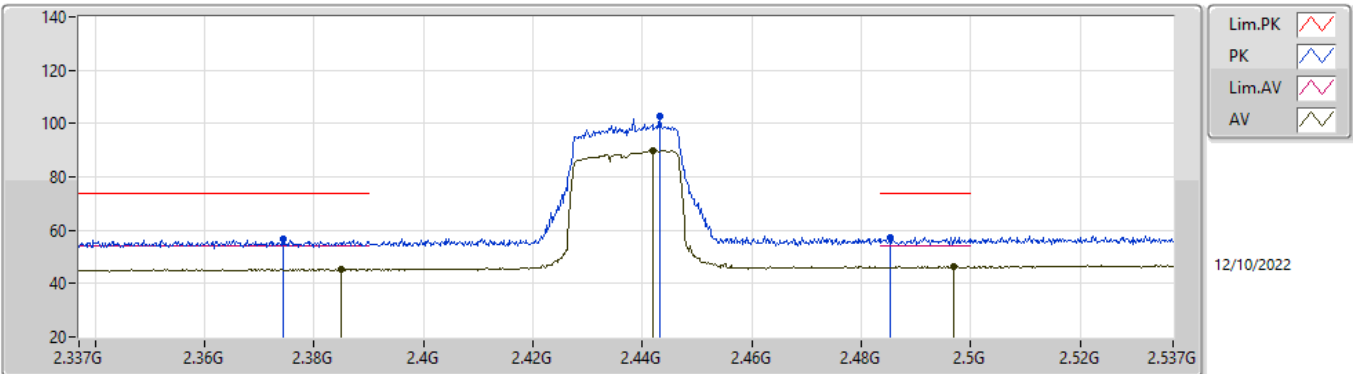
2412MHz_TX



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	4.82239G	34.34	54.00	-19.66	3.46	3	Horizontal	141	2.98	-	30.88	32.43	5.68	34.65
PK	4.82247G	45.31	74.00	-28.69	3.46	3	Horizontal	141	2.98	-	41.85	32.43	5.68	34.65

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

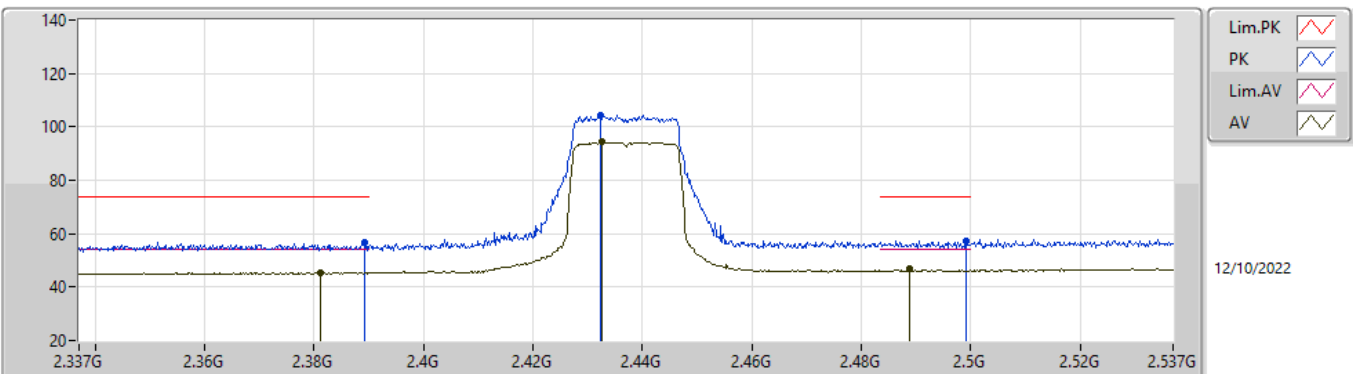
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.385G	45.48	54.00	-8.52	31.57	3	Vertical	239	2.96	-	13.91	27.41	4.16	-
AV	2.442G	89.89	Inf	-Inf	31.78	3	Vertical	239	2.96	-	58.11	27.58	4.20	-
AV	2.4968G	46.32	54.00	-7.68	32.11	3	Vertical	239	2.96	-	14.21	27.88	4.23	-
PK	2.3744G	56.70	74.00	-17.30	31.50	3	Vertical	239	2.96	-	25.20	27.35	4.15	-
PK	2.4432G	102.92	Inf	-Inf	31.79	3	Vertical	239	2.96	-	71.13	27.59	4.20	-
PK	2.4854G	57.45	74.00	-16.55	32.03	3	Vertical	239	2.96	-	25.42	27.81	4.22	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

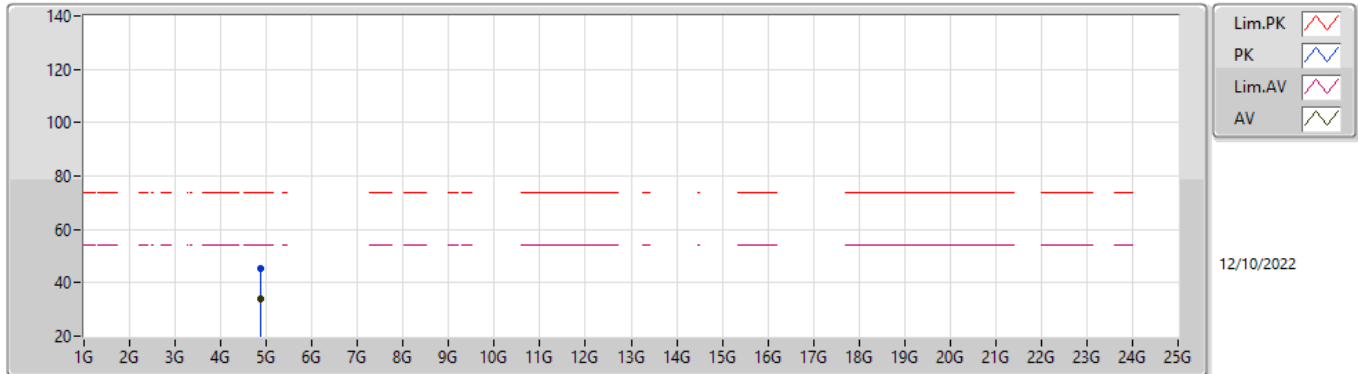
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3812G	45.42	54.00	-8.58	31.54	3	Horizontal	340	2.18	-	13.88	27.39	4.15	-
AV	2.4326G	94.25	Inf	-Inf	31.76	3	Horizontal	340	2.18	-	62.49	27.57	4.19	-
AV	2.4888G	46.70	54.00	-7.30	32.05	3	Horizontal	340	2.18	-	14.65	27.83	4.22	-
PK	2.3892G	56.92	74.00	-17.08	31.60	3	Horizontal	340	2.18	-	25.32	27.44	4.16	-
PK	2.4324G	104.42	Inf	-Inf	31.75	3	Horizontal	340	2.18	-	72.67	27.56	4.19	-
PK	2.4992G	57.32	74.00	-16.68	32.13	3	Horizontal	340	2.18	-	25.19	27.90	4.23	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

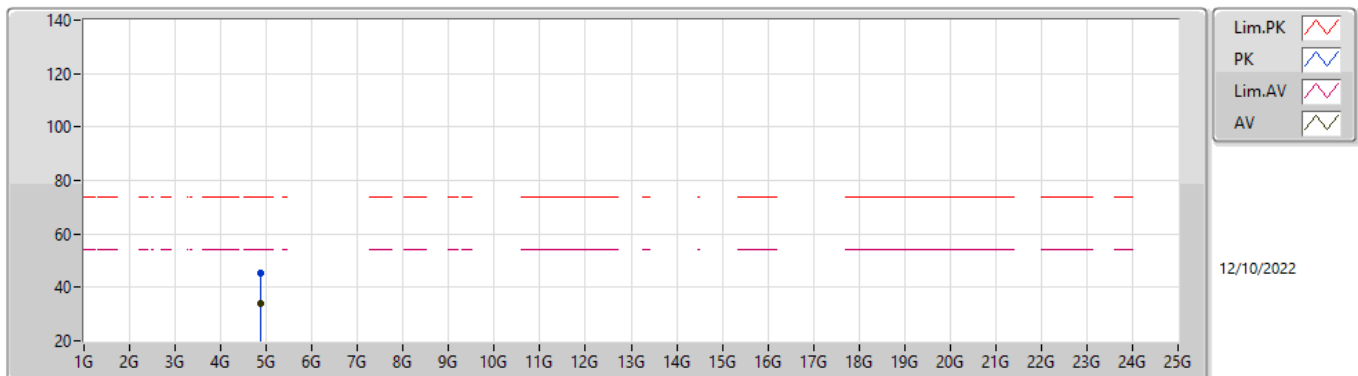
2437MHz_TX



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	4.87354G	34.00	54.00	-20.00	3.75	3	Vertical	341	1.31	-	30.25	32.69	5.71	34.65
PK	4.87406G	45.28	74.00	-28.72	3.76	3	Vertical	341	1.31	-	41.52	32.70	5.71	34.65

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

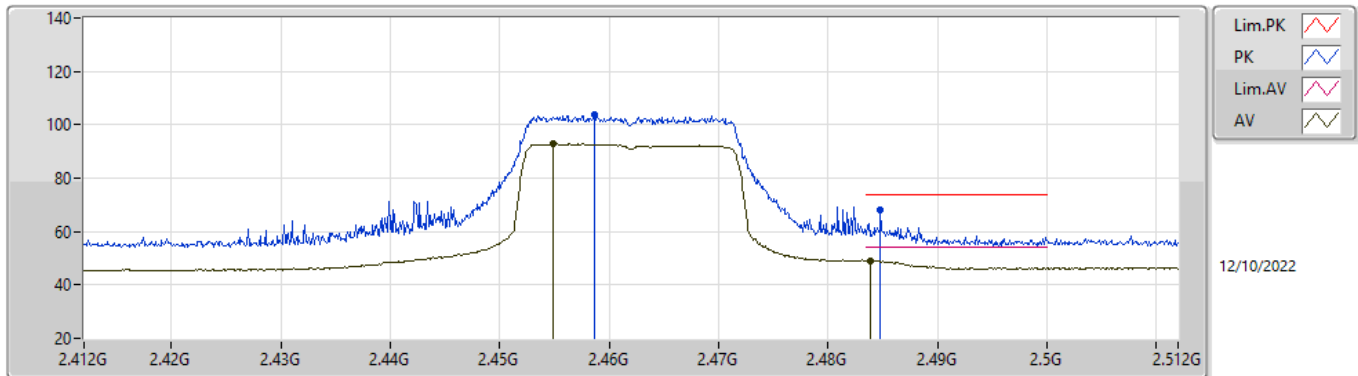
2437MHz_TX



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	4.87321G	33.89	54.00	-20.11	3.75	3	Horizontal	26	2.65	-	30.14	32.69	5.71	34.65
PK	4.87151G	45.26	74.00	-28.74	3.75	3	Horizontal	26	2.65	-	41.51	32.69	5.71	34.65

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

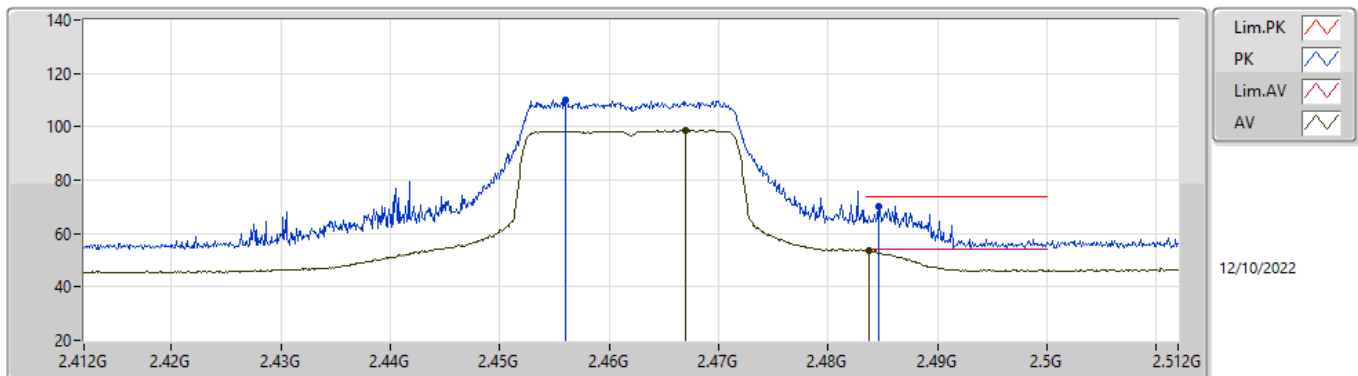
2462MHz_TX



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	2.4549G	93.01	Inf	-Inf	31.83	3	Vertical	246	1.36	-	61.18	27.63	4.20	-
AV	2.4839G	49.07	54.00	-4.93	32.02	3	Vertical	246	1.36	-	17.05	27.80	4.22	-
PK	2.4587G	103.72	Inf	-Inf	31.86	3	Vertical	246	1.36	-	71.86	27.65	4.21	-
PK	2.4848G	67.89	74.00	-6.11	32.03	3	Vertical	246	1.36	-	35.86	27.81	4.22	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

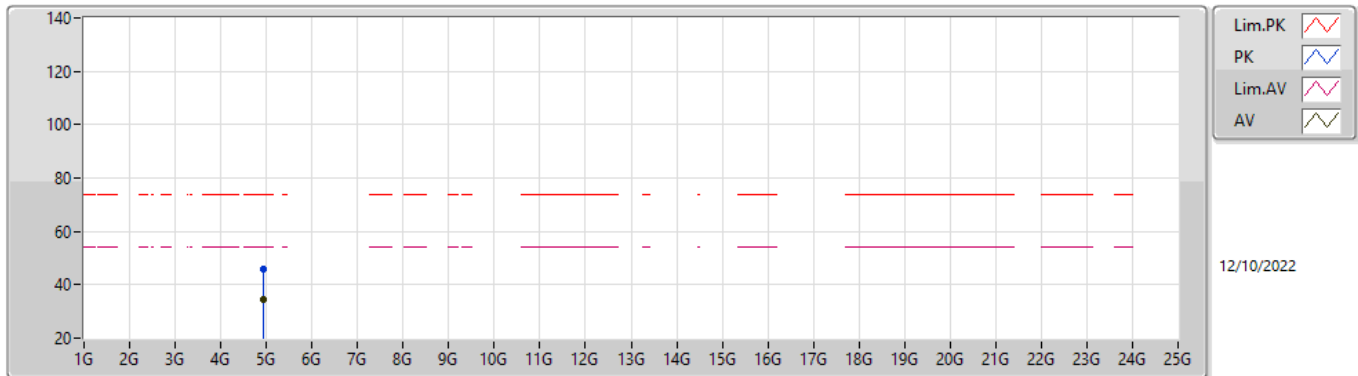
2462MHz_TX



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	2.467G	98.59	Inf	-Inf	31.91	3	Horizontal	314	1.50	-	66.68	27.70	4.21	-
AV	2.4837G	53.79	54.00	-0.21	32.02	3	Horizontal	314	1.50	-	21.77	27.80	4.22	-
PK	2.456G	110.10	Inf	-Inf	31.84	3	Horizontal	314	1.50	-	78.26	27.64	4.20	-
PK	2.4846G	70.35	74.00	-3.65	32.03	3	Horizontal	314	1.50	-	38.32	27.81	4.22	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

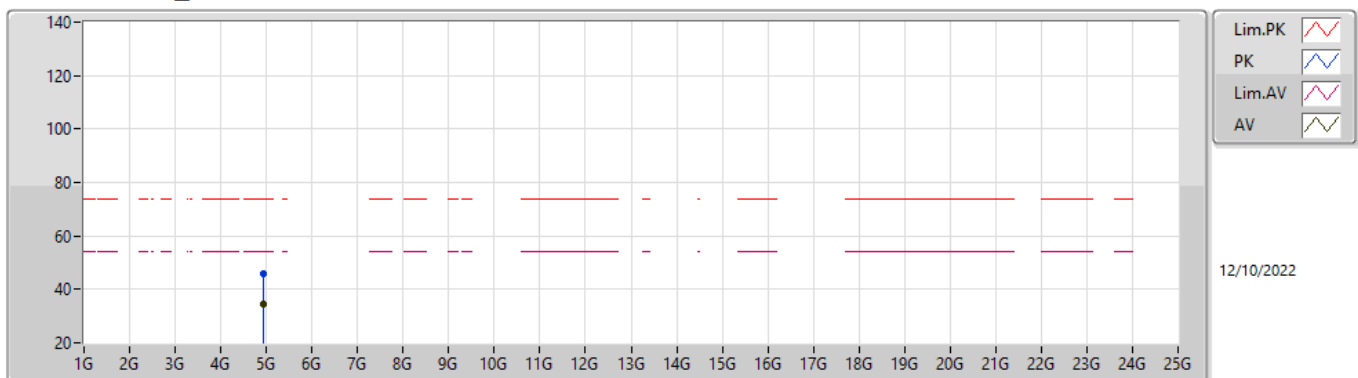
2462MHz_TX



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	4.92236G	34.50	54.00	-19.50	3.98	3	Vertical	136	1.34	-	30.52	32.89	5.74	34.65
PK	4.92161G	45.61	74.00	-28.39	3.98	3	Vertical	136	1.34	-	41.63	32.89	5.74	34.65

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

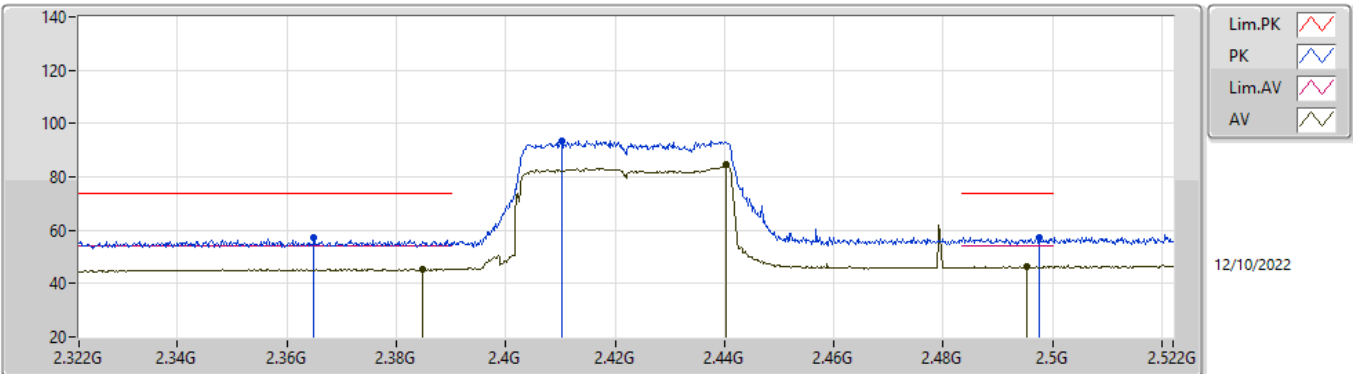
2462MHz_TX



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	4.92532G	34.24	54.00	-19.76	4.00	3	Horizontal	23	2.55	-	30.24	32.90	5.75	34.65
PK	4.92584G	45.66	74.00	-28.34	4.00	3	Horizontal	23	2.55	-	41.66	32.90	5.75	34.65

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

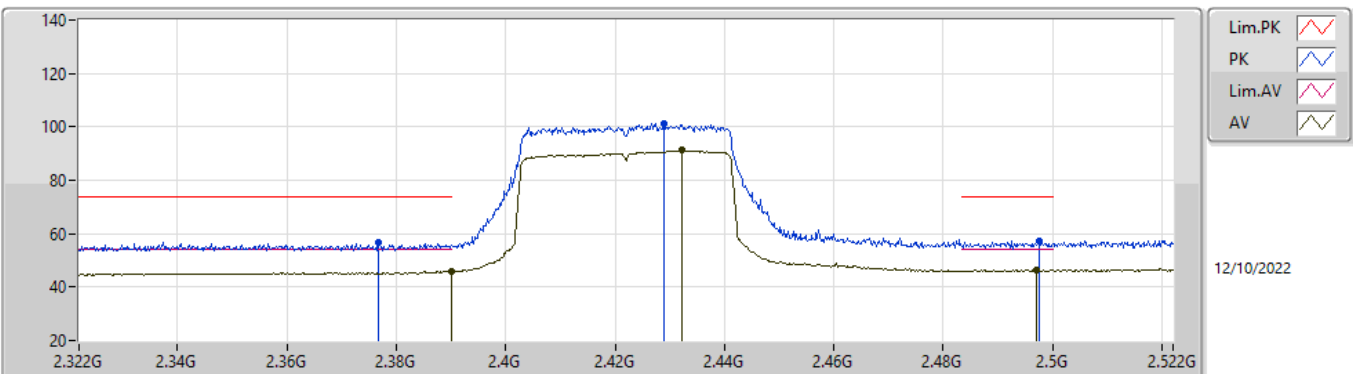
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3848G	45.54	54.00	-8.46	31.57	3	Vertical	244	1.50	-	13.97	27.41	4.16	-
AV	2.4402G	84.43	Inf	-Inf	31.77	3	Vertical	244	1.50	-	52.66	27.58	4.19	-
AV	2.4952G	46.40	54.00	-7.60	32.10	3	Vertical	244	1.50	-	14.30	27.87	4.23	-
PK	2.365G	57.20	74.00	-16.80	31.43	3	Vertical	244	1.50	-	25.77	27.29	4.14	-
PK	2.4102G	93.56	Inf	-Inf	31.70	3	Vertical	244	1.50	-	61.86	27.52	4.18	-
PK	2.4976G	57.34	74.00	-16.66	32.12	3	Vertical	244	1.50	-	25.22	27.89	4.23	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

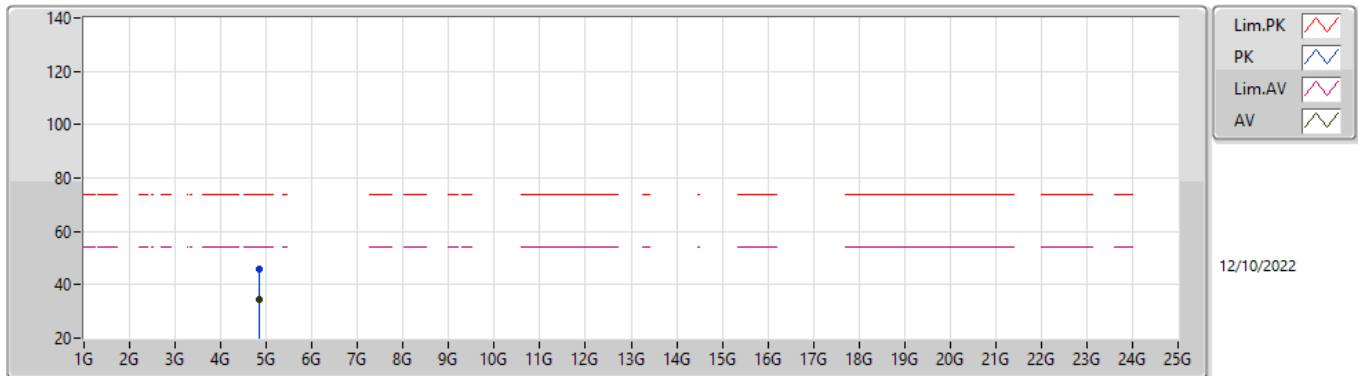
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	45.87	54.00	-8.13	31.60	3	Horizontal	317	1.84	-	14.27	27.44	4.16	-
AV	2.4322G	91.18	Inf	-Inf	31.75	3	Horizontal	317	1.84	-	59.43	27.56	4.19	-
AV	2.497G	46.50	54.00	-7.50	32.11	3	Horizontal	317	1.84	-	14.39	27.88	4.23	-
PK	2.3768G	56.59	74.00	-17.41	31.51	3	Horizontal	317	1.84	-	25.08	27.36	4.15	-
PK	2.429G	101.29	Inf	-Inf	31.75	3	Horizontal	317	1.84	-	69.54	27.56	4.19	-
PK	2.4976G	57.41	74.00	-16.59	32.12	3	Horizontal	317	1.84	-	25.29	27.89	4.23	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

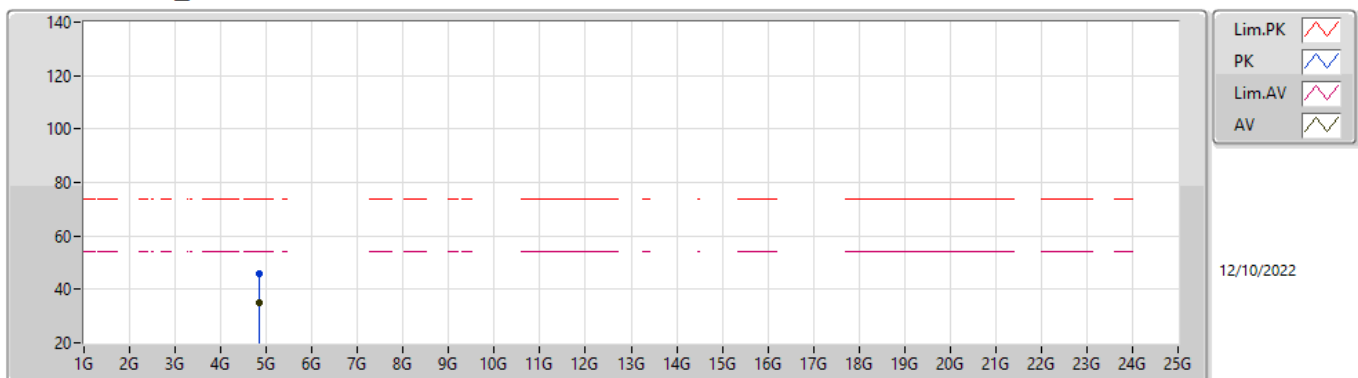
2422MHz_TX



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	4.84156G	34.62	54.00	-19.38	3.59	3	Vertical	64	1.30	-	31.03	32.55	5.69	34.65
PK	4.8432G	45.84	74.00	-28.16	3.61	3	Vertical	64	1.30	-	42.23	32.56	5.70	34.65

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

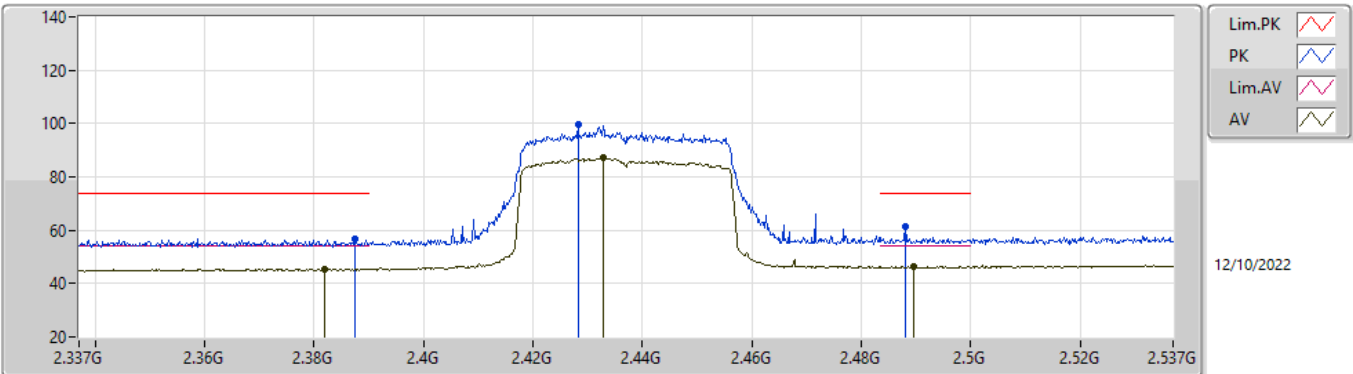
2422MHz_TX



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	4.84212G	34.78	54.00	-19.22	3.60	3	Horizontal	229	2.32	-	31.18	32.55	5.70	34.65
PK	4.84365G	46.02	74.00	-27.98	3.61	3	Horizontal	229	2.32	-	42.41	32.56	5.70	34.65

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

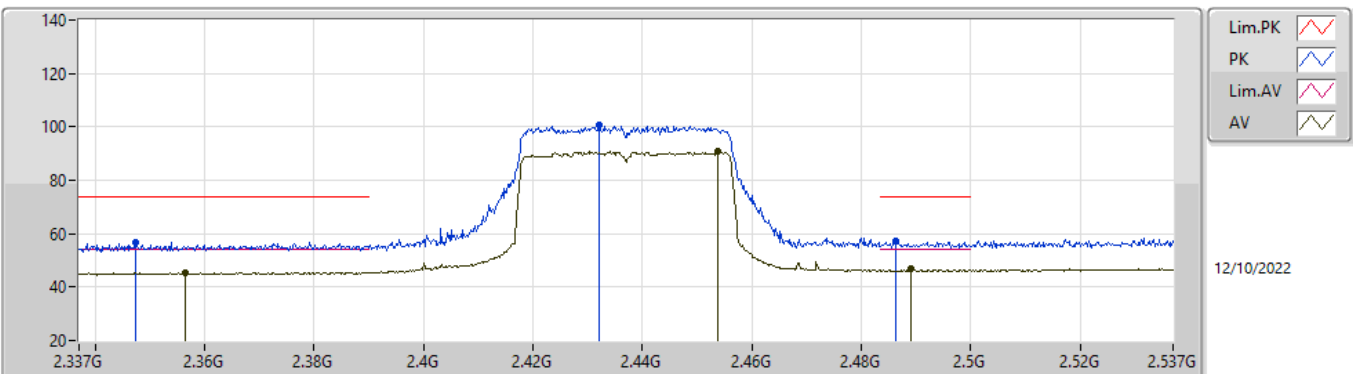
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.382G	45.48	54.00	-8.52	31.54	3	Vertical	238	1.02	-	13.94	27.39	4.15	-
AV	2.4328G	87.07	Inf	-Inf	31.76	3	Vertical	238	1.02	-	55.31	27.57	4.19	-
AV	2.4896G	46.33	54.00	-7.67	32.06	3	Vertical	238	1.02	-	14.27	27.84	4.22	-
PK	2.3874G	56.88	74.00	-17.12	31.58	3	Vertical	238	1.02	-	25.30	27.42	4.16	-
PK	2.4282G	99.61	Inf	-Inf	31.75	3	Vertical	238	1.02	-	67.86	27.56	4.19	-
PK	2.488G	61.45	74.00	-12.55	32.05	3	Vertical	238	1.02	-	29.40	27.83	4.22	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

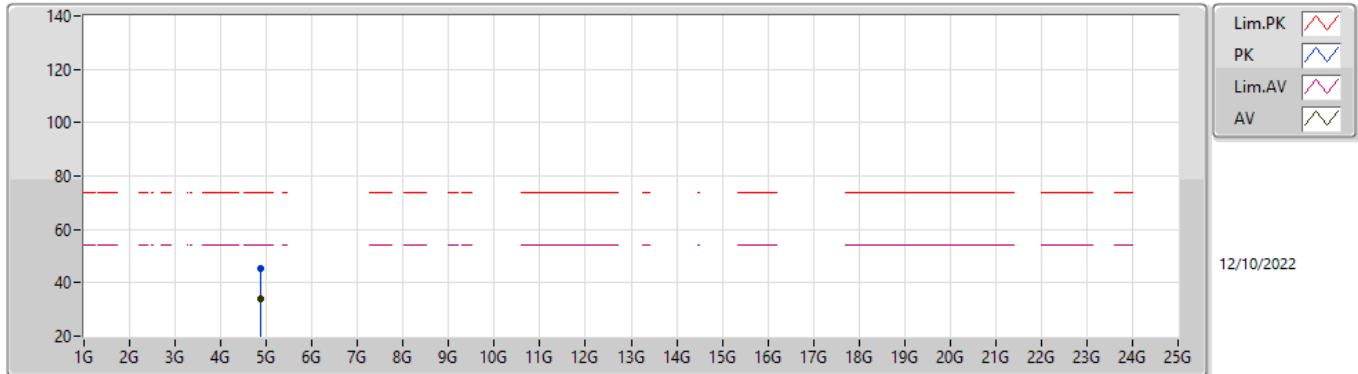
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3564G	45.44	54.00	-8.56	31.37	3	Horizontal	342	1.50	-	14.07	27.24	4.13	-
AV	2.4538G	90.76	Inf	-Inf	31.82	3	Horizontal	342	1.50	-	58.94	27.62	4.20	-
AV	2.489G	46.95	54.00	-7.05	32.05	3	Horizontal	342	1.50	-	14.90	27.83	4.22	-
PK	2.3474G	56.77	74.00	-17.23	31.31	3	Horizontal	342	1.50	-	25.46	27.19	4.12	-
PK	2.432G	100.44	Inf	-Inf	31.75	3	Horizontal	342	1.50	-	68.69	27.56	4.19	-
PK	2.4864G	57.02	74.00	-16.98	32.04	3	Horizontal	342	1.50	-	24.98	27.82	4.22	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

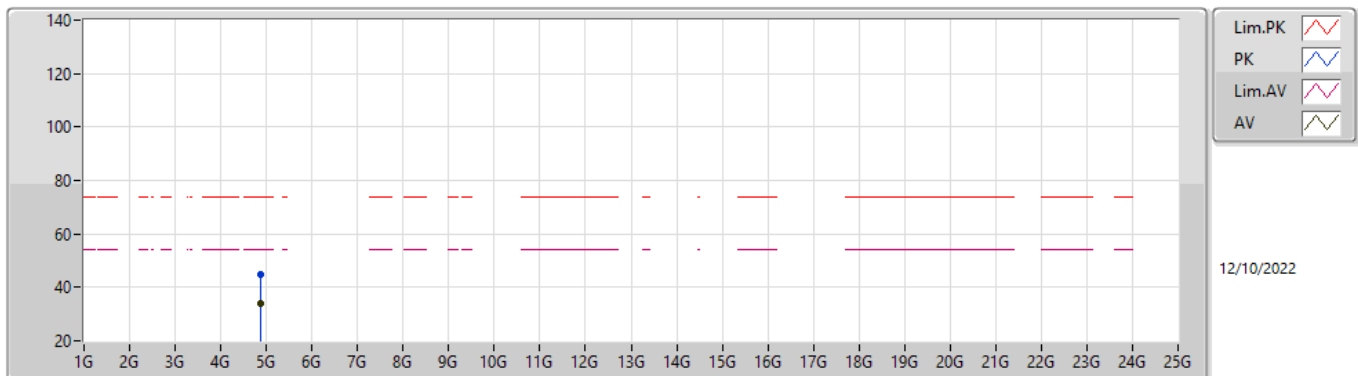
2437MHz_TX



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	4.87255G	33.93	54.00	-20.07	3.75	3	Vertical	297	1.69	-	30.18	32.69	5.71	34.65
PK	4.87161G	45.31	74.00	-28.69	3.75	3	Vertical	297	1.69	-	41.56	32.69	5.71	34.65

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

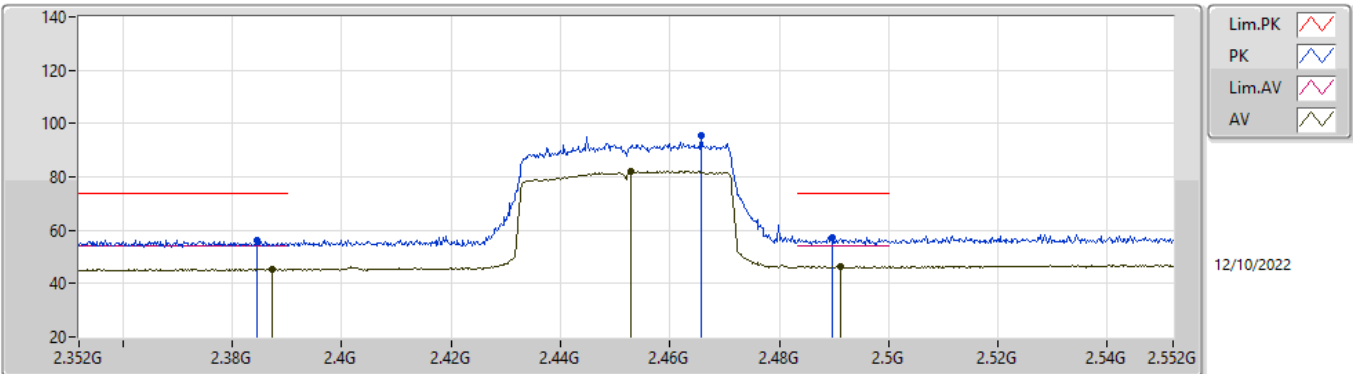
2437MHz_TX



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	4.87481G	33.95	54.00	-20.05	3.76	3	Horizontal	111	1.81	-	30.19	32.70	5.71	34.65
PK	4.87594G	44.96	74.00	-29.04	3.77	3	Horizontal	111	1.81	-	41.19	32.70	5.72	34.65

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

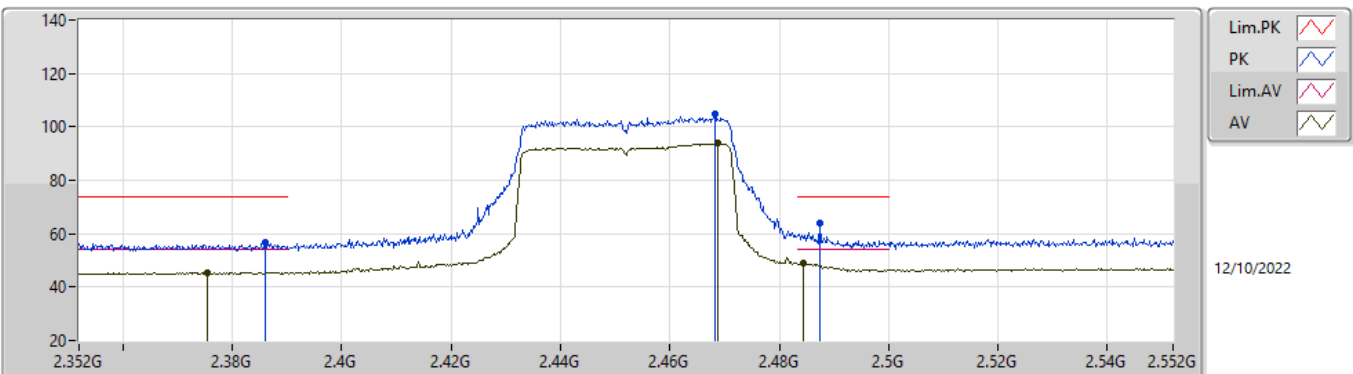
2452MHz_TX



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	2.3872G	45.41	54.00	-8.59	31.58	3	Vertical	360	1.40	-	13.83	27.42	4.16	-
AV	2.453G	82.09	Inf	-Inf	31.82	3	Vertical	360	1.40	-	50.27	27.62	4.20	-
AV	2.4912G	46.49	54.00	-7.51	32.07	3	Vertical	360	1.40	-	14.42	27.85	4.22	-
PK	2.3846G	56.08	74.00	-17.92	31.57	3	Vertical	360	1.40	-	24.51	27.41	4.16	-
PK	2.4658G	95.32	Inf	-Inf	31.90	3	Vertical	360	1.40	-	63.42	27.69	4.21	-
PK	2.4898G	57.25	74.00	-16.75	32.06	3	Vertical	360	1.40	-	25.19	27.84	4.22	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

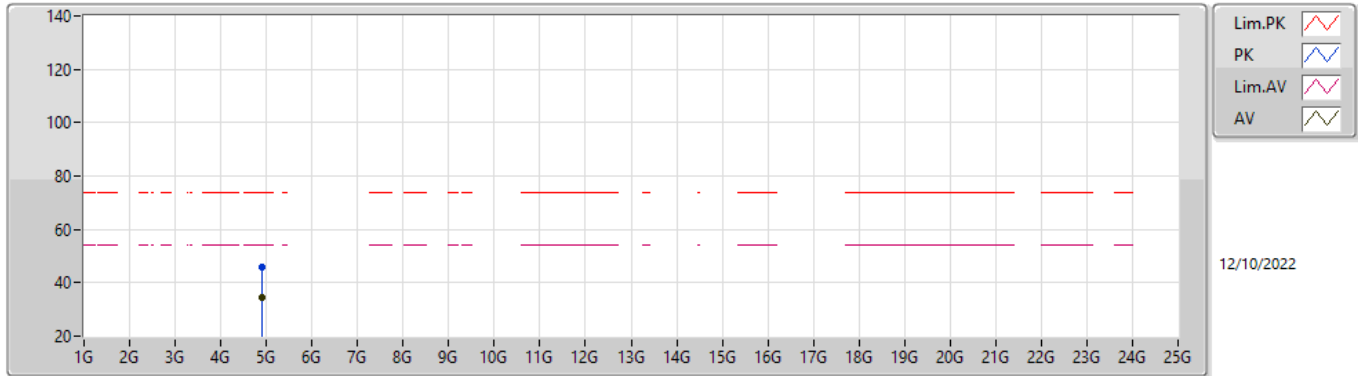
2452MHz_TX



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	2.3754G	45.49	54.00	-8.51	31.50	3	Horizontal	318	1.13	-	13.99	27.35	4.15	-
AV	2.4688G	93.76	Inf	-Inf	31.92	3	Horizontal	318	1.13	-	61.84	27.71	4.21	-
AV	2.4844G	49.12	54.00	-4.88	32.03	3	Horizontal	318	1.13	-	17.09	27.81	4.22	-
PK	2.386G	56.60	74.00	-17.40	31.58	3	Horizontal	318	1.13	-	25.02	27.42	4.16	-
PK	2.4682G	104.59	Inf	-Inf	31.92	3	Horizontal	318	1.13	-	72.67	27.71	4.21	-
PK	2.4874G	64.12	74.00	-9.88	32.04	3	Horizontal	318	1.13	-	32.08	27.82	4.22	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

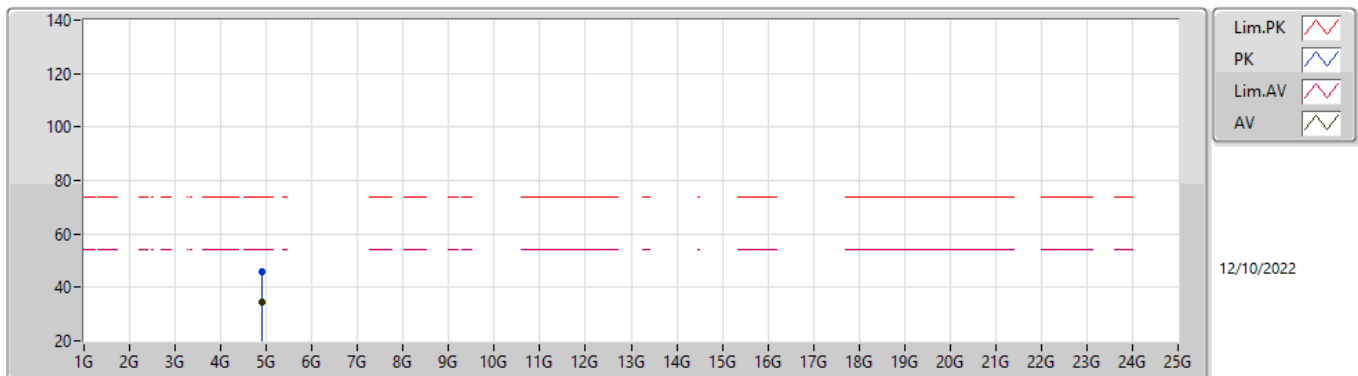
2452MHz_TX



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	4.90467G	34.55	54.00	-19.45	3.90	3	Vertical	278	2.42	-	30.65	32.82	5.73	34.65
PK	4.90547G	46.06	74.00	-27.94	3.90	3	Vertical	278	2.42	-	42.16	32.82	5.73	34.65

802.11ax HEW40-BF_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	4.90235G	34.61	54.00	-19.39	3.89	3	Horizontal	38	1.28	-	30.72	32.81	5.73	34.65
PK	4.902G	45.93	74.00	-28.07	3.89	3	Horizontal	38	1.28	-	42.04	32.81	5.73	34.65