



FCC Radio Test Report

FCC ID : NDD9574892204
Equipment : Access Point
Brand Name : EDIMAX
Model Name : EW-7489WAX
Applicant : Edimax Technology Co., Ltd.
No.278, Xinhua 1st Rd., Neihu Dist,
Taipei City, Taiwan
Manufacturer : Edimax Technology Co., Ltd.
No.278, Xinhua 1st Rd., Neihu Dist,
Taipei City, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Jun. 27, 2022, and testing was started from Jun. 27, 2022 and completed on Feb. 16, 2023. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



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History of this test report

[illegible]

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	-

Note: From Sporton Project No.: FR260726AC.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Ryan Hsiao

Report Producer: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

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

Non-Beamforming

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

Beamforming

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

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	Grand-Tek	2G-1	PIFA	I-Pex	2.4G
2	Grand-Tek	2G-2	PIFA	I-Pex	2.4G
3	Grand-Tek	5G-1	PIFA	I-Pex	5G
4	Grand-Tek	5G-2	PIFA	I-Pex	5G

Ant.	Port	Gain (dBi)	
		2.4G	5G
1	1	4.2	-
2	2	3.8	-
3	1	-	5.5
4	2	-	4.8

Note 1: The EUT has four antennas.

Note 2: Directional gain information

	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

For 2.4GHz function:

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

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

For 5GHz function:

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

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

1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b_Nss1,(1Mbps)_2TX	0.982	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g_Nss1,(6Mbps)_2TX	0.992	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	0.998	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	0.997	0.01	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.998	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.

1.1.5 Table for Multiple Listing

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

SKU	DDR	Description
1	Brand: SK hynix Model: H5TC4G83EFR	All the SKU are identical, only the DDR is different.
2	Brand: winbond Model: W634GU8QB-11	

From the above SKU, The worst case of EMI was evaluated, SKU 1 was selected as representative SKU for the test and its data was recorded in this report.

1.2 Testing Applied Standards

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

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

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

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

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Wayne	22.7~23.1°C / 56~57%	18/Jan/2023
RF Conducted (Non-Beamforming)	TH07-HY	Yuna	20.1~26.9°C / 50~60%	08/Jul/2022~21/Jul/2022
RF Conducted (Beamforming)	TH07-HY	Yuna	22.9~25.6°C / 50~58%	18/Aug/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 (below 1GHz)	03CH09-HY	Lego	23.1~23.3°C / 54~61%	15/Feb/2023~16/Feb/2023
Radiated (above 1GHz)	03CH09-HY	Daniel	24.5~26.1°C / 42~47%	27/Jun/2022~21/Jul/2022
Radiated (Co-location)	03CH09-HY	Lego	22.2~22.6°C / 53~59%	18/Jan/2023

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	QDART-Connectivity1.0-00089
------------------------------	-----------------------------

Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	22
2417MHz	23
2437MHz	23.5
2457MHz	21
2462MHz	20.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	21.5
2437MHz	21
2457MHz	21
2462MHz	20
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	20.5
2417MHz	21
2437MHz	21
2457MHz	21
2462MHz	18.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	18
2427MHz	19
2437MHz	19
2447MHz	17.5
2452MHz	16.5

**Beamforming**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	20.5
2417MHz	21
2437MHz	21
2457MHz	21
2462MHz	18.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	18
2427MHz	19
2437MHz	19
2447MHz	17.5
2452MHz	16.5

2.2 The Worst Case Measurement Configuration

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

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4GHz +WLAN 5GHz
Refer to Sporton Test Report No.: FA260706 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

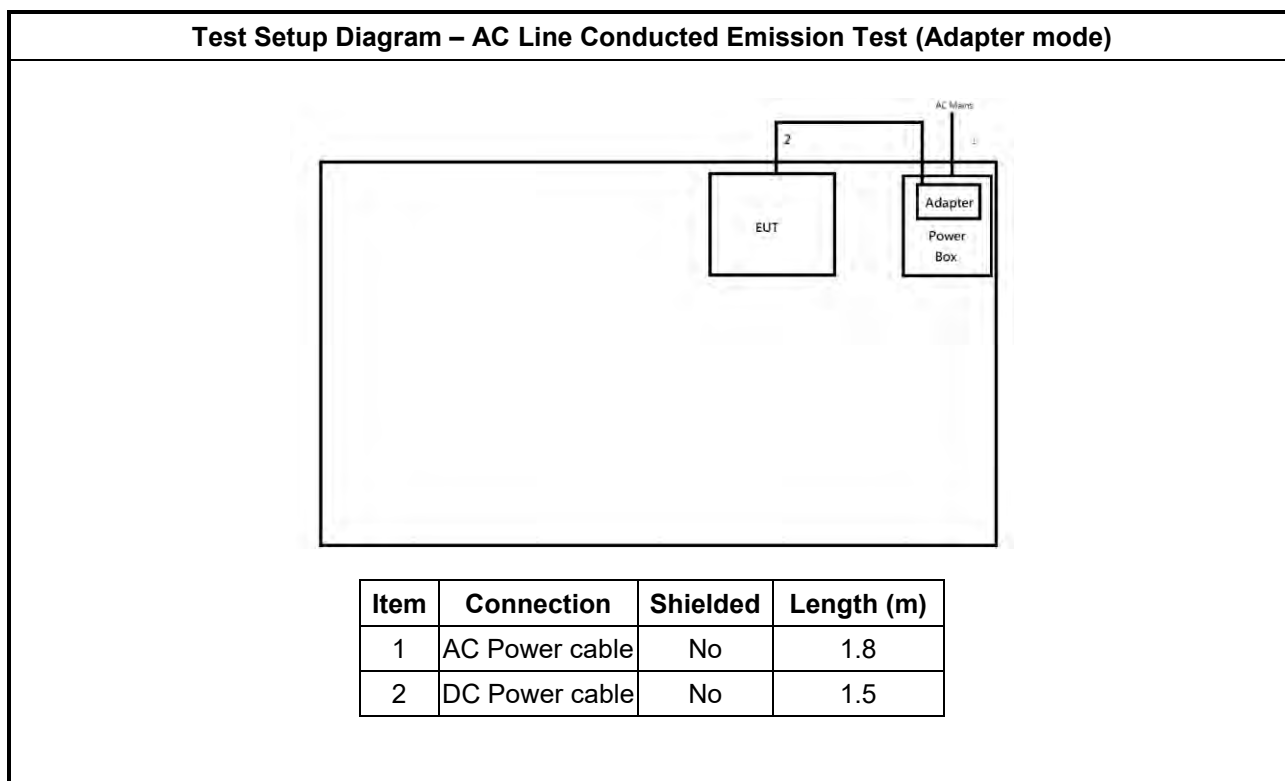
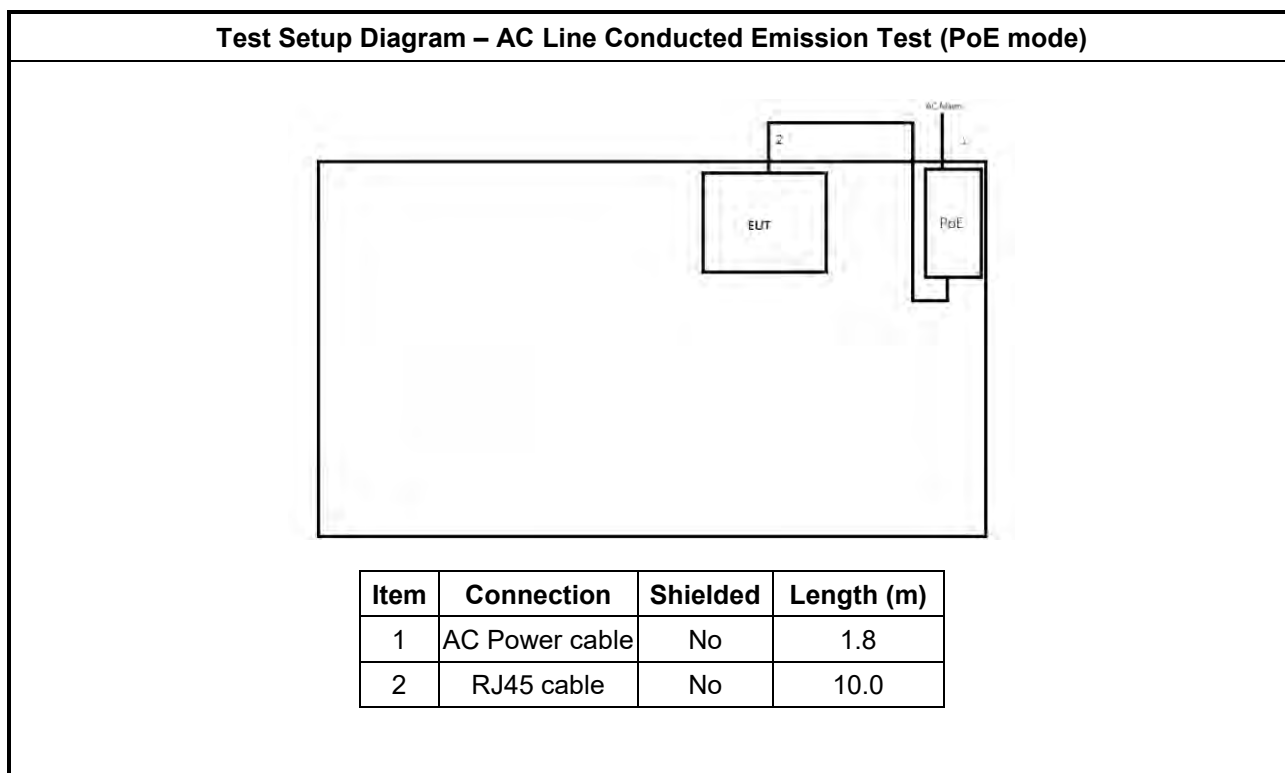
2.3 Support Equipment

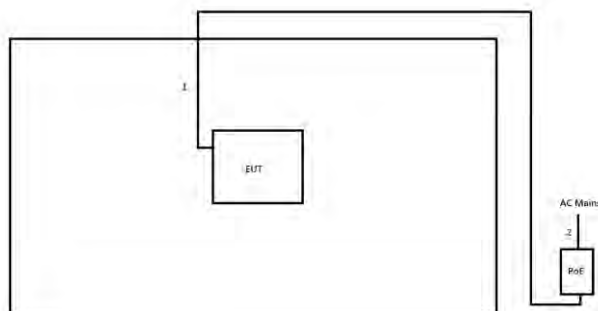
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 cable	Power Sync	CAT-6E-10	-	-
2	AC Power cable	Power sync	TPCMRN0018	-	-
3	PoE Adapter	LINKSYS	PI021A	-	Provided by Customer
4	Switching Adapter	AMIGO	AMS200-1201500F	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	PoE Adapter	LINKSYS	PI021A	-	Provided by Customer

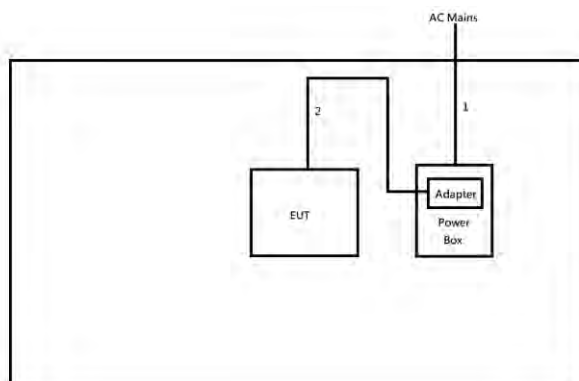
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 cable	Power Sync	CAT-6E-10	-	-
2	Switching Adapter	AMIGO	AMS200-1201500F	-	Provided by Customer
3	PoE Adapter (remote)	LINKSYS	PI021A	-	Provided by Customer
4	AC Power cable (remote)	Power sync	TPCMRN0018	-	Provided by Customer

2.4 Test Setup Diagram



Test Setup Diagram - Radiated Test (PoE Mode)


Item	Connection	Shielded	Length (m)
1	RJ45 cable	No	10.0
2	AC Power cable	No	1.8

Test Setup Diagram - Radiated Test (Adapter mode)


Item	Connection	Shielded	Length (m)
1	AC Power cable	No	2.0
2	DC Power cable	No	1.5

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

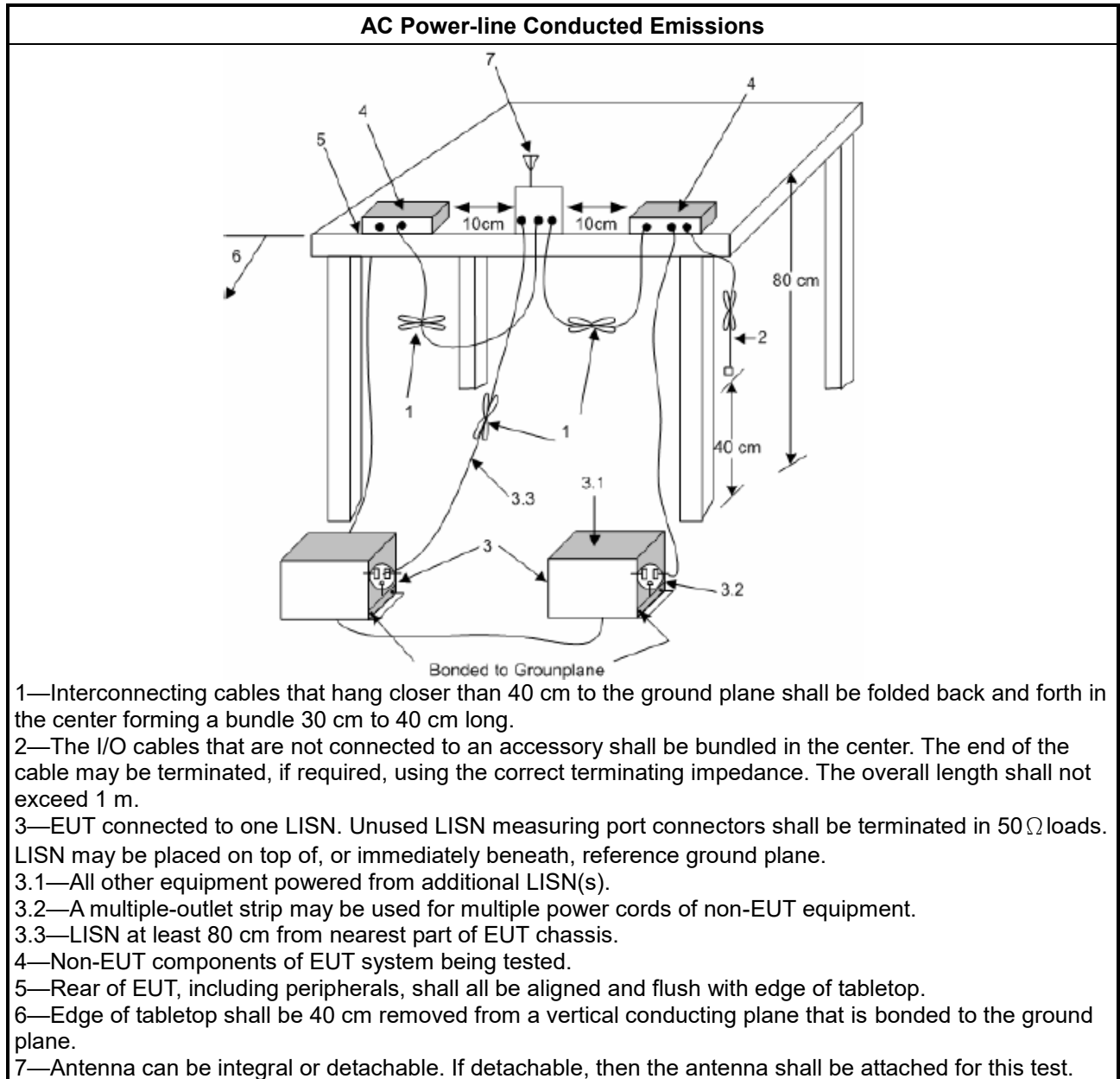
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



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.

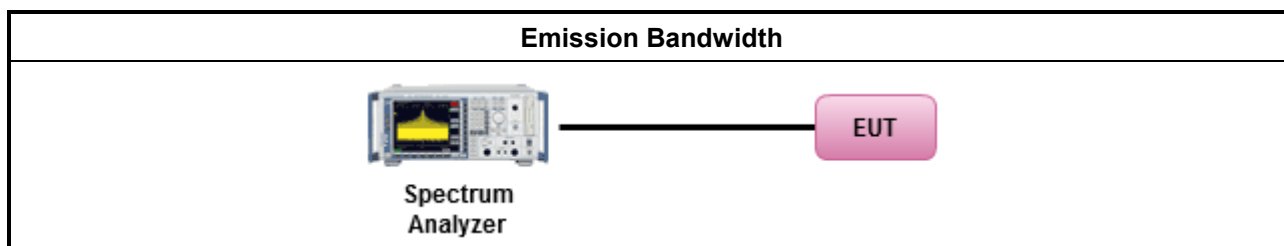
3.2.2 Measuring Instruments

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.	

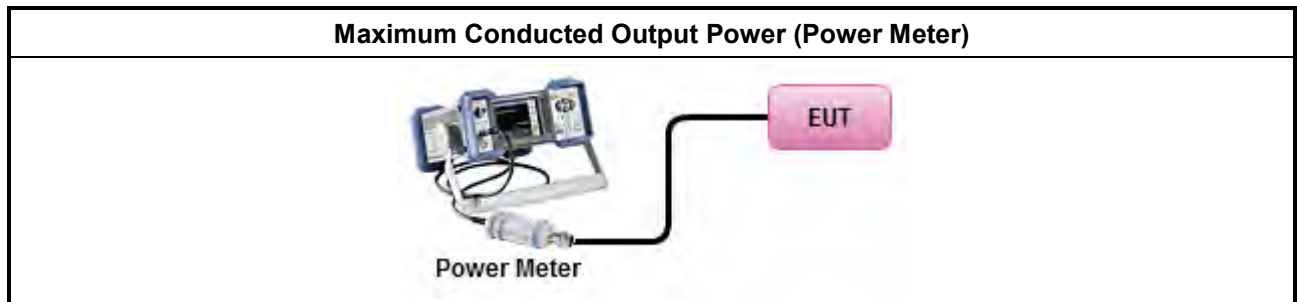
3.3.2 Measuring Instruments

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

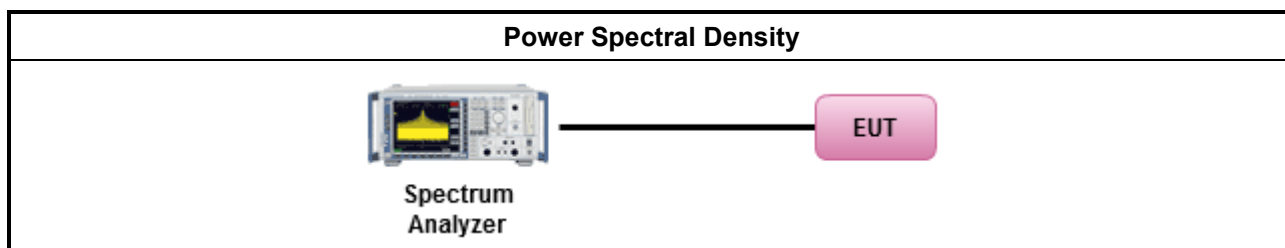
3.4.2 Measuring Instruments

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.	

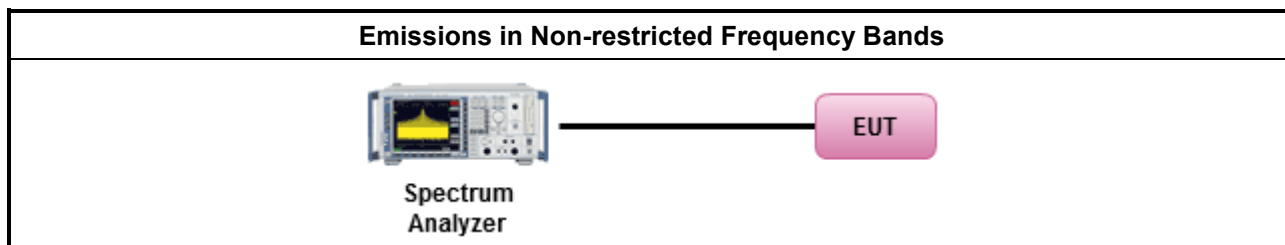
3.5.2 Measuring Instruments

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

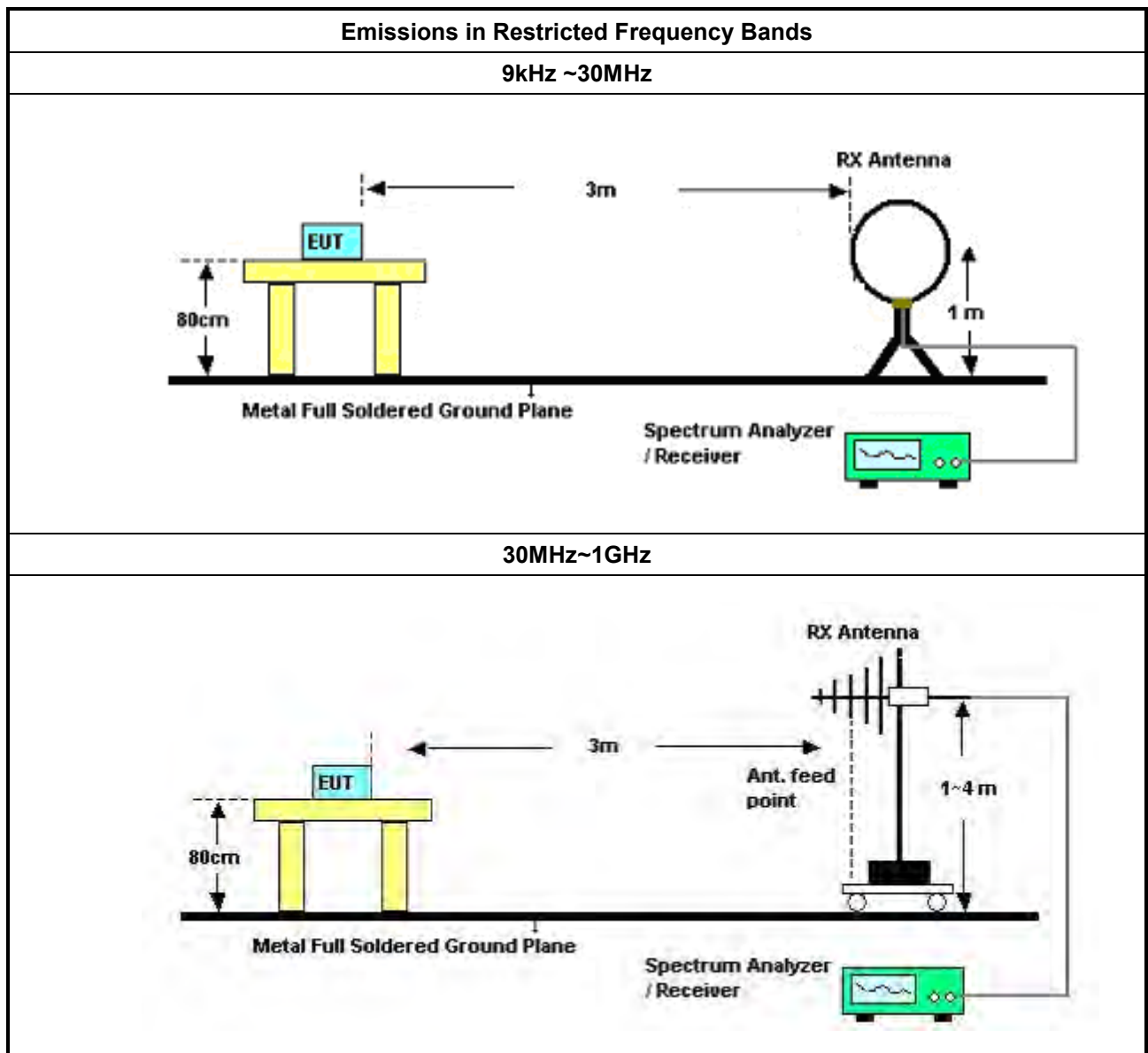
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

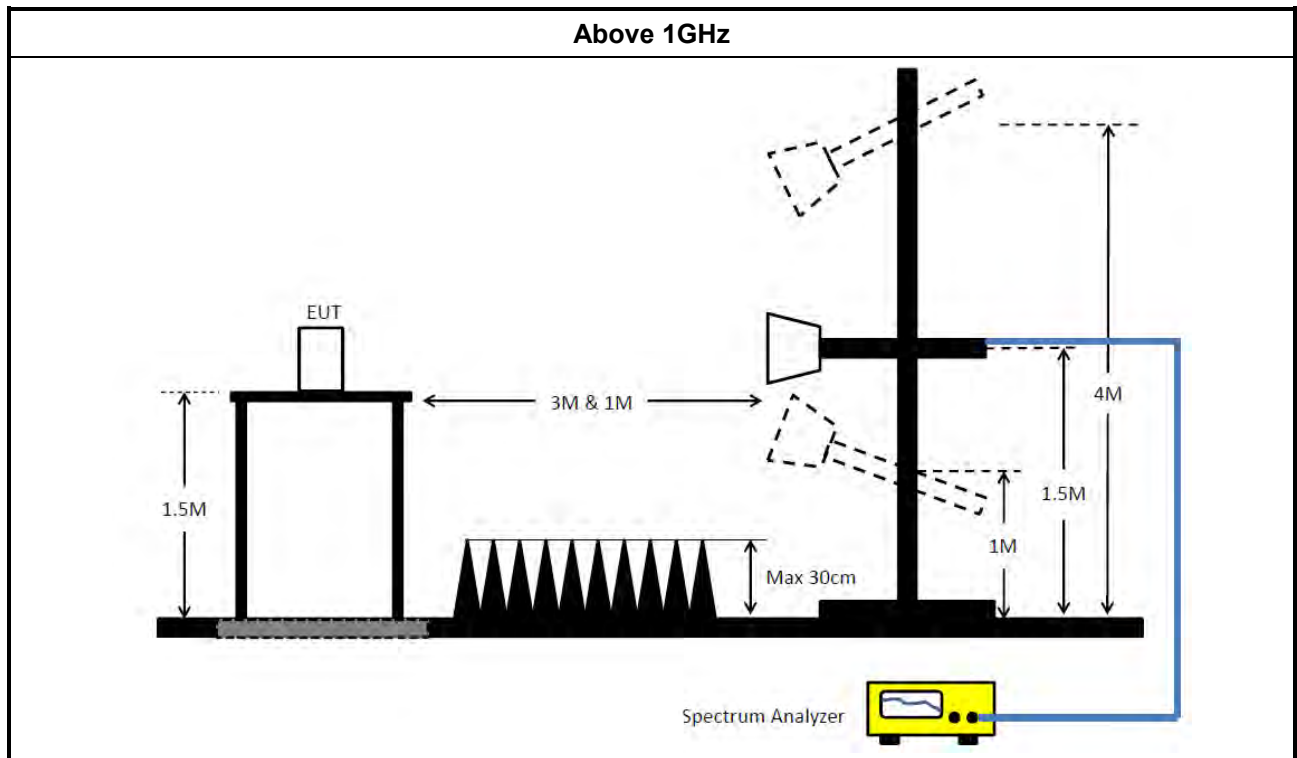
3.6.4 Measurement Results Calculation

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	ESR	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	25/Oct/2022	24/Oct/2023
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
SMR 40 Signal Generator	R&S	SMR 40	100116	10 MHz ~10GHz	11/Jan/2022	10/Jan/2023
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	V5.10.8.3	N/A	N/A	N/A	N/A	N/A

Instrument for Radiated Test below 1GHz

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	25/Mar/2022	24/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	08/Apr/2022	07/Apr/2023
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable-low	Jye Bao	RG142	03CH09-cable-01	9kHz~1GHz	09/Dec/2022	08/Dec/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	02/Nov/2022	01/Nov/2023
SENSE-15247_DTS	Sporton	V5.11	N/A	N/A	N/A	N/A

Instrument for Radiated Test above 1GHz

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	13/Aug/2021	12/Aug/2022
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	23/Jul/2021	22/Jul/2022
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	CB009	1GHz~40GHz	13/Aug/2021	12/Aug/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-15247 _DTS	Sporton	NA	5.10.7.17	NA	NA	NA

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	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	BBHA9120 D 1534	1GHz~18GHz	10/Mar/2022	09/Mar/2023
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
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-EMI	Sporton	NA	5.10.7.15	NA	NA	NA



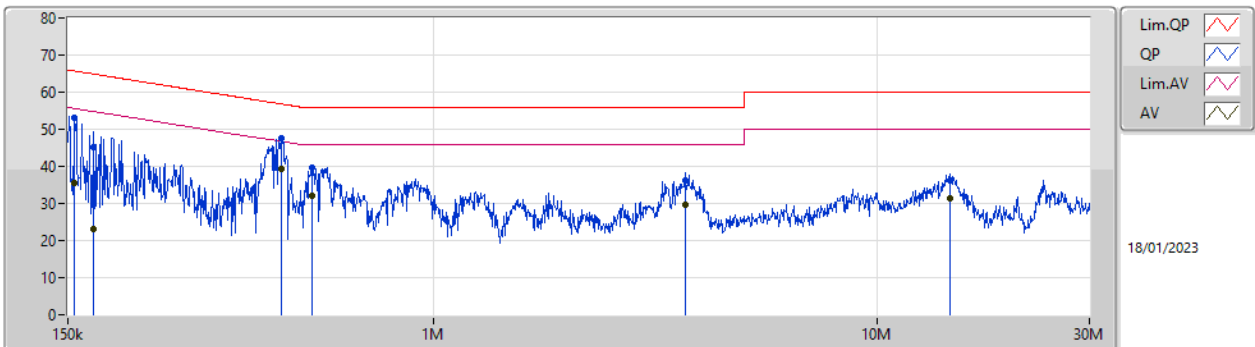
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	451.436k	39.88	46.84	-6.96	Neutral
Mode 2	Pass	AV	1.797M	23.38	46.00	-22.62	Line

Result

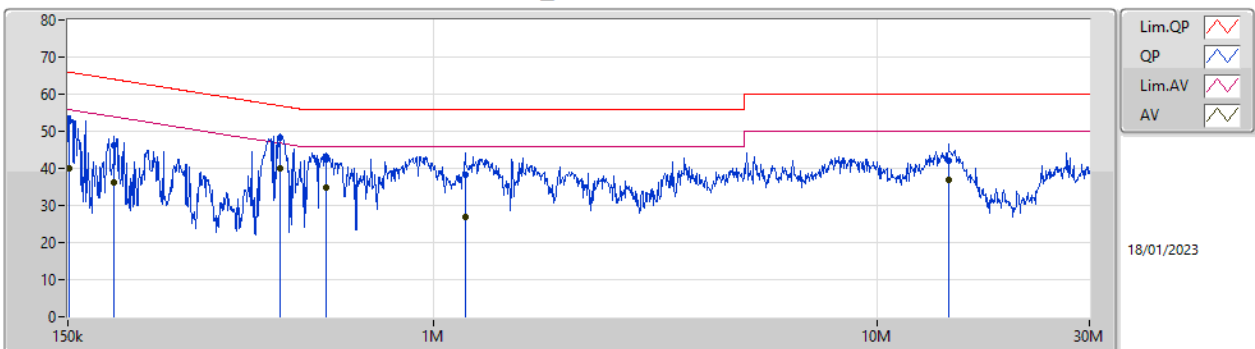
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	155.487k	53.27	65.69	-12.42	Line	-
Mode 1	Pass	AV	155.487k	35.35	55.69	-20.34	Line	-
Mode 1	Pass	QP	171.806k	45.24	64.87	-19.63	Line	-
Mode 1	Pass	AV	171.806k	23.07	54.87	-31.80	Line	-
Mode 1	Pass	QP	453.242k	47.44	56.82	-9.38	Line	-
Mode 1	Pass	AV	453.242k	39.30	46.82	-7.52	Line	-
Mode 1	Pass	QP	533.841k	39.70	56.00	-16.30	Line	-
Mode 1	Pass	AV	533.841k	32.06	46.00	-13.94	Line	-
Mode 1	Pass	QP	3.686M	36.13	56.00	-19.87	Line	-
Mode 1	Pass	AV	3.686M	29.71	46.00	-16.29	Line	-
Mode 1	Pass	QP	14.552M	36.22	60.00	-23.78	Line	-
Mode 1	Pass	AV	14.552M	31.25	50.00	-18.75	Line	-
Mode 1	Pass	QP	151.202k	52.86	65.92	-13.06	Neutral	-
Mode 1	Pass	AV	151.202k	39.89	55.92	-16.03	Neutral	-
Mode 1	Pass	QP	190.596k	46.15	64.01	-17.86	Neutral	-
Mode 1	Pass	AV	190.596k	36.06	54.01	-17.95	Neutral	-
Mode 1	Pass	QP	451.436k	48.22	56.84	-8.62	Neutral	-
Mode 1	Pass	AV	451.436k	39.88	46.84	-6.96	Neutral	-
Mode 1	Pass	QP	571.327k	42.57	56.00	-13.43	Neutral	-
Mode 1	Pass	AV	571.327k	34.90	46.00	-11.10	Neutral	-
Mode 1	Pass	QP	1.177M	38.11	56.00	-17.89	Neutral	-
Mode 1	Pass	AV	1.177M	27.05	46.00	-18.95	Neutral	-
Mode 1	Pass	QP	14.436M	42.07	60.00	-17.93	Neutral	-
Mode 1	Pass	AV	14.436M	36.97	50.00	-13.03	Neutral	-
Mode 2	Pass	QP	155.487k	32.53	65.69	-33.16	Line	-
Mode 2	Pass	AV	155.487k	22.40	55.69	-33.29	Line	-
Mode 2	Pass	QP	208.092k	29.34	63.28	-33.94	Line	-
Mode 2	Pass	AV	208.092k	22.92	53.28	-30.36	Line	-
Mode 2	Pass	QP	261.263k	27.57	61.39	-33.82	Line	-
Mode 2	Pass	AV	261.263k	22.52	51.39	-28.87	Line	-
Mode 2	Pass	QP	529.596k	24.13	56.00	-31.87	Line	-
Mode 2	Pass	AV	529.596k	18.63	46.00	-27.37	Line	-
Mode 2	Pass	QP	1.797M	29.08	56.00	-26.92	Line	-
Mode 2	Pass	AV	1.797M	23.38	46.00	-22.62	Line	-
Mode 2	Pass	QP	2.058M	26.52	56.00	-29.48	Line	-
Mode 2	Pass	AV	2.058M	20.51	46.00	-25.49	Line	-
Mode 2	Pass	QP	156.109k	32.18	65.67	-33.49	Neutral	-
Mode 2	Pass	AV	156.109k	21.98	55.67	-33.69	Neutral	-
Mode 2	Pass	QP	199.949k	28.66	63.61	-34.95	Neutral	-
Mode 2	Pass	AV	199.949k	22.87	53.61	-30.74	Neutral	-
Mode 2	Pass	QP	260.222k	27.79	61.43	-33.64	Neutral	-
Mode 2	Pass	AV	260.222k	22.62	51.43	-28.81	Neutral	-
Mode 2	Pass	QP	358.13k	18.91	58.77	-39.86	Neutral	-
Mode 2	Pass	AV	358.13k	14.74	48.77	-34.03	Neutral	-
Mode 2	Pass	QP	542.434k	21.60	56.00	-34.40	Neutral	-
Mode 2	Pass	AV	542.434k	15.26	46.00	-30.74	Neutral	-
Mode 2	Pass	QP	1.908M	26.15	56.00	-29.85	Neutral	-
Mode 2	Pass	AV	1.908M	20.42	46.00	-25.58	Neutral	-

Conducted Emissions at Powerline_Mode 1



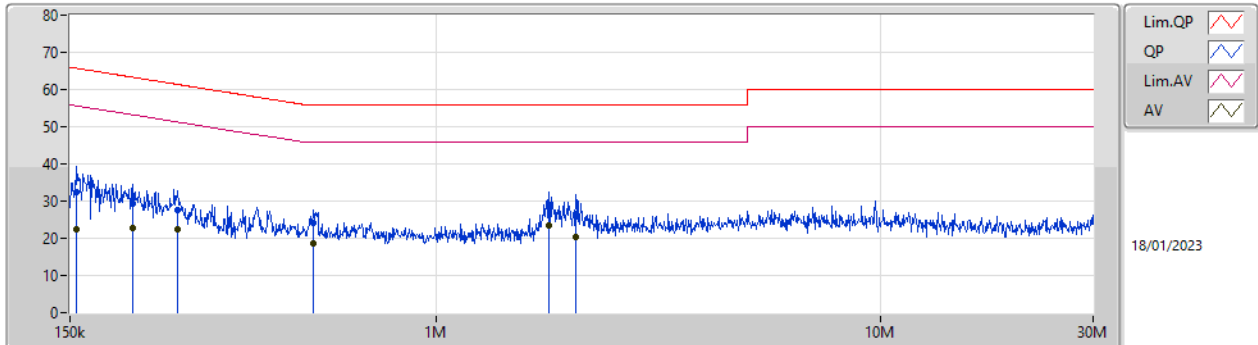
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	155.487k	53.27	65.69	-12.42	19.65	Line	-	33.62	9.69	0.03	9.93			
AV	155.487k	35.35	55.69	-20.34	19.65	Line	-	15.70	9.69	0.03	9.93			
QP	171.806k	45.24	64.87	-19.63	19.65	Line	-	25.59	9.69	0.03	9.93			
AV	171.806k	23.07	54.87	-31.80	19.65	Line	-	3.42	9.69	0.03	9.93			
QP	453.242k	47.44	56.82	-9.38	19.68	Line	-	27.76	9.68	0.04	9.96			
AV	453.242k	39.30	46.82	-7.52	19.68	Line	-	19.62	9.68	0.04	9.96			
QP	533.841k	39.70	56.00	-16.30	19.67	Line	-	20.03	9.68	0.04	9.95			
AV	533.841k	32.06	46.00	-13.94	19.67	Line	-	12.39	9.68	0.04	9.95			
QP	3.686M	36.13	56.00	-19.87	19.76	Line	-	16.37	9.71	0.12	9.93			
AV	3.686M	29.71	46.00	-16.29	19.76	Line	-	9.95	9.71	0.12	9.93			
QP	14.552M	36.22	60.00	-23.78	20.01	Line	-	16.21	9.80	0.24	9.97			
AV	14.552M	31.25	50.00	-18.75	20.01	Line	-	11.24	9.80	0.24	9.97			

Conducted Emissions at Powerline_Mode 1



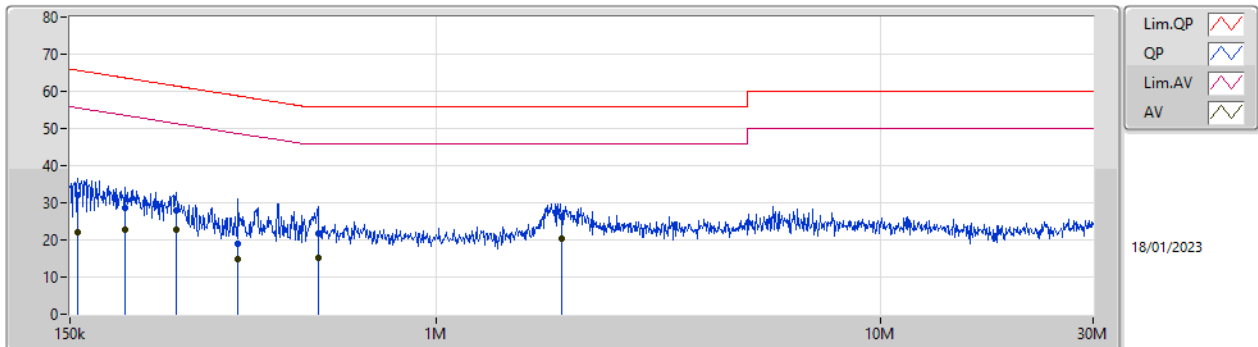
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	151.202k	52.86	65.92	-13.06	19.69	Neutral	-	33.17	9.73	0.03	9.93			
AV	151.202k	39.89	55.92	-16.03	19.69	Neutral	-	20.20	9.73	0.03	9.93			
QP	190.596k	46.15	64.01	-17.86	19.68	Neutral	-	26.47	9.72	0.03	9.93			
AV	190.596k	36.06	54.01	-17.95	19.68	Neutral	-	16.38	9.72	0.03	9.93			
QP	451.436k	48.22	56.84	-8.62	19.72	Neutral	-	28.50	9.72	0.04	9.96			
AV	451.436k	39.88	46.84	-6.96	19.72	Neutral	-	20.16	9.72	0.04	9.96			
QP	571.327k	42.57	56.00	-13.43	19.71	Neutral	-	22.86	9.72	0.04	9.95			
AV	571.327k	34.90	46.00	-11.10	19.71	Neutral	-	15.19	9.72	0.04	9.95			
QP	1.177M	38.11	56.00	-17.89	19.73	Neutral	-	18.38	9.73	0.06	9.94			
AV	1.177M	27.05	46.00	-18.95	19.73	Neutral	-	7.32	9.73	0.06	9.94			
QP	14.436M	42.07	60.00	-17.93	20.14	Neutral	-	21.93	9.94	0.23	9.97			
AV	14.436M	36.97	50.00	-13.03	20.14	Neutral	-	16.83	9.94	0.23	9.97			

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	155.487k	32.53	65.69	-33.16	19.65	Line	-	12.88	9.69	0.03	9.93			
AV	155.487k	22.40	55.69	-33.29	19.65	Line	-	2.75	9.69	0.03	9.93			
QP	208.092k	29.34	63.28	-33.94	19.65	Line	-	9.69	9.69	0.03	9.93			
AV	208.092k	22.92	53.28	-30.36	19.65	Line	-	3.27	9.69	0.03	9.93			
QP	261.263k	27.57	61.39	-33.82	19.66	Line	-	7.91	9.69	0.03	9.94			
AV	261.263k	22.52	51.39	-28.87	19.66	Line	-	2.86	9.69	0.03	9.94			
QP	529.596k	24.13	56.00	-31.87	19.67	Line	-	4.46	9.68	0.04	9.95			
AV	529.596k	18.63	46.00	-27.37	19.67	Line	-	-1.04	9.68	0.04	9.95			
QP	1.797M	29.08	56.00	-26.92	19.72	Line	-	9.36	9.70	0.08	9.94			
AV	1.797M	23.38	46.00	-22.62	19.72	Line	-	3.66	9.70	0.08	9.94			
QP	2.058M	26.52	56.00	-29.48	19.72	Line	-	6.80	9.70	0.08	9.94			
AV	2.058M	20.51	46.00	-25.49	19.72	Line	-	0.79	9.70	0.08	9.94			

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	156.109k	32.18	65.67	-33.49	19.69	Neutral	-	12.49	9.73	0.03	9.93			
AV	156.109k	21.98	55.67	-33.69	19.69	Neutral	-	2.29	9.73	0.03	9.93			
QP	199.949k	28.66	63.61	-34.95	19.68	Neutral	-	8.98	9.72	0.03	9.93			
AV	199.949k	22.87	53.61	-30.74	19.68	Neutral	-	3.19	9.72	0.03	9.93			
QP	260.222k	27.79	61.43	-33.64	19.69	Neutral	-	8.10	9.72	0.03	9.94			
AV	260.222k	22.62	51.43	-28.81	19.69	Neutral	-	2.93	9.72	0.03	9.94			
QP	358.13k	18.91	58.77	-39.86	19.72	Neutral	-	-0.81	9.72	0.04	9.96			
AV	358.13k	14.74	48.77	-34.03	19.72	Neutral	-	-4.98	9.72	0.04	9.96			
QP	542.434k	21.60	56.00	-34.40	19.71	Neutral	-	1.89	9.72	0.04	9.95			
AV	542.434k	15.26	46.00	-30.74	19.71	Neutral	-	-4.45	9.72	0.04	9.95			
QP	1.908M	26.15	56.00	-29.85	19.76	Neutral	-	6.39	9.74	0.08	9.94			
AV	1.908M	20.42	46.00	-25.58	19.76	Neutral	-	0.66	9.74	0.08	9.94			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.575M	13.293M	13M3G1D	7.1M	12.869M
802.11g_Nss1,(6Mbps)_2TX	15.05M	16.367M	16M4D1D	13.775M	16.242M
802.11ax HEW20_Nss1,(MCS0)_2TX	16.8M	18.891M	18M9D1D	10.075M	18.691M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.2M	37.981M	38M0D1D	30.95M	37.431M

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

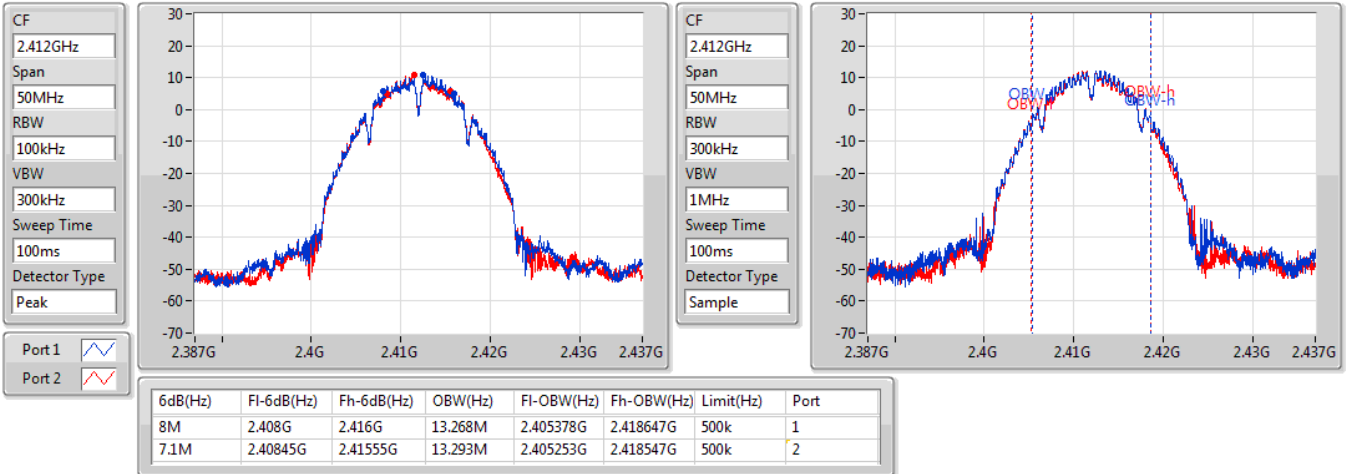
Result

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	8M	13.268M	7.1M	13.293M
2437MHz	Pass	500k	8.575M	12.969M	7.575M	13.268M
2462MHz	Pass	500k	8.55M	12.869M	8.1M	13.118M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	13.775M	16.267M	15.05M	16.242M
2437MHz	Pass	500k	15.05M	16.292M	15M	16.367M
2462MHz	Pass	500k	14.975M	16.342M	15M	16.292M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10.075M	18.691M	14.925M	18.766M
2437MHz	Pass	500k	15.025M	18.841M	13.725M	18.891M
2462MHz	Pass	500k	13.7M	18.841M	16.8M	18.716M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	30.95M	37.431M	31.25M	37.431M
2437MHz	Pass	500k	36.1M	37.981M	37.2M	37.881M
2452MHz	Pass	500k	33.5M	37.631M	36M	37.781M

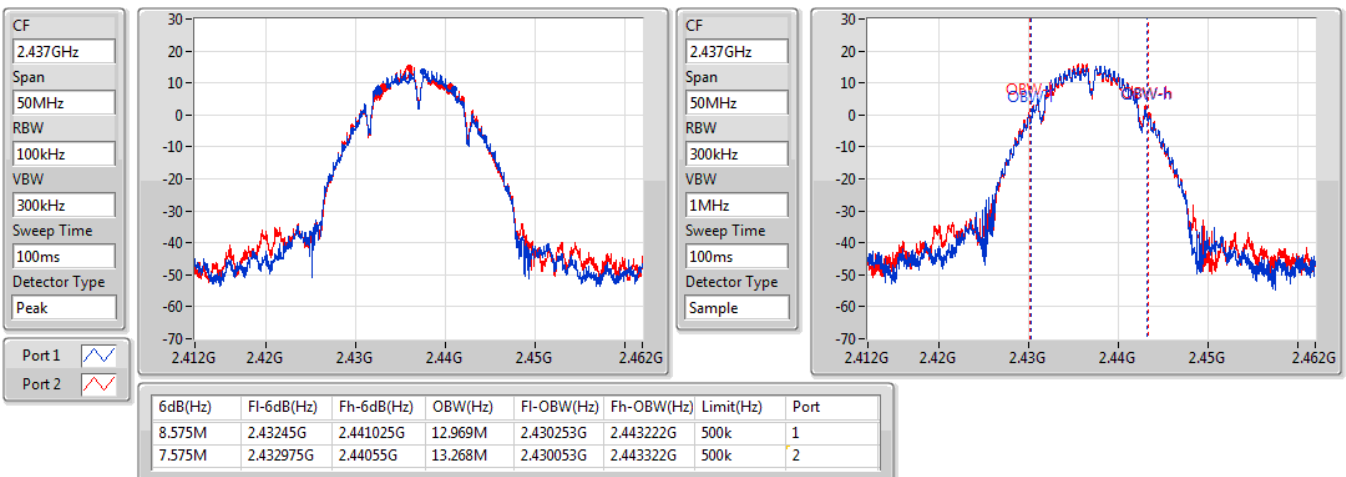
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

21/07/2022


802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz

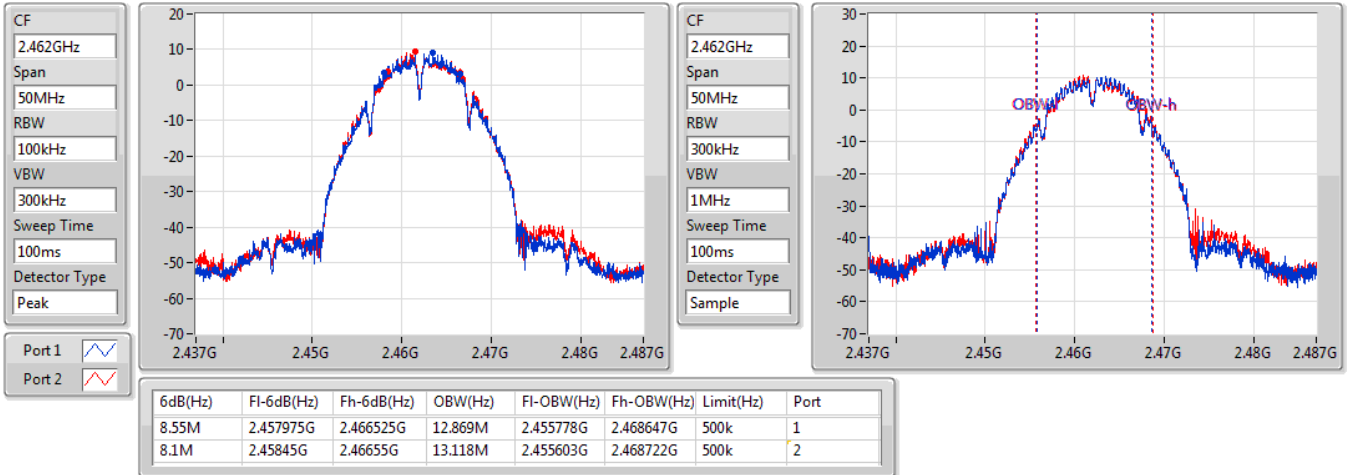
21/07/2022



802.11b_Nss1,(1Mbps)_2TX

EBW
2462MHz

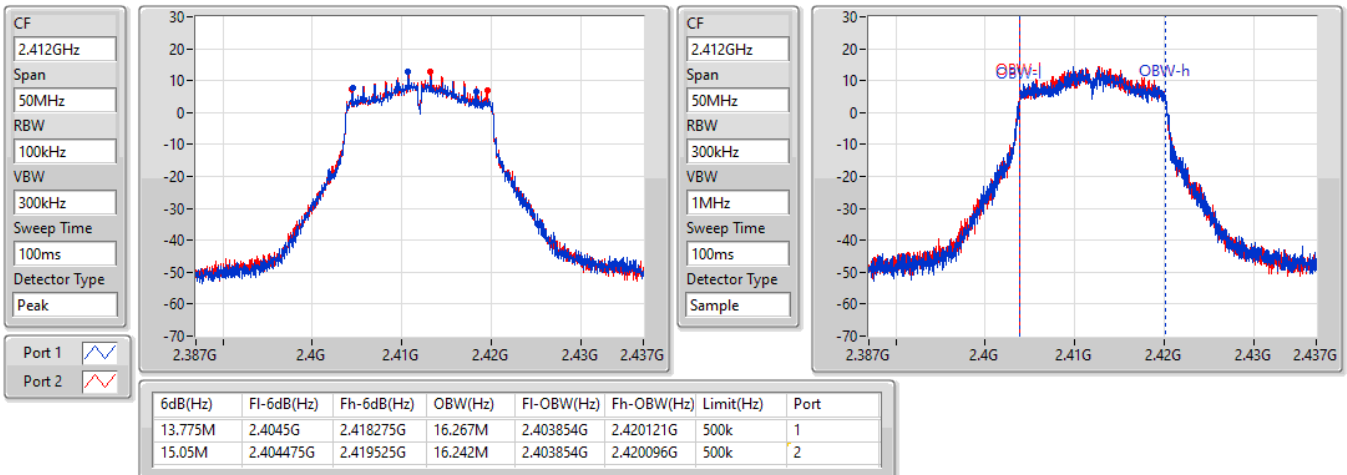
21/07/2022



802.11g_Nss1,(6Mbps)_2TX

EBW
2412MHz

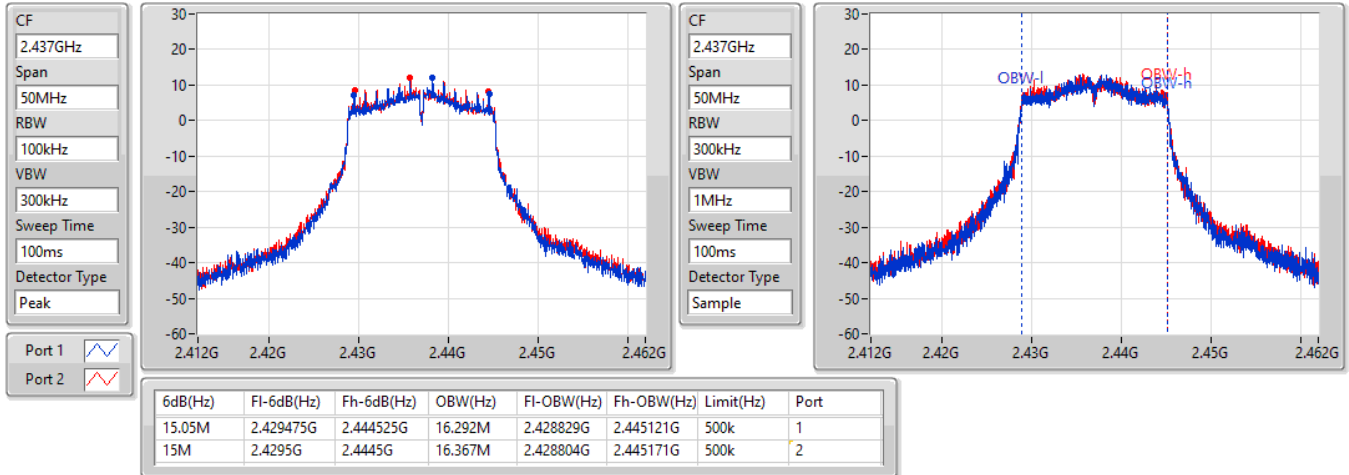
08/07/2022



802.11g_Nss1,(6Mbps)_2TX

2437MHz

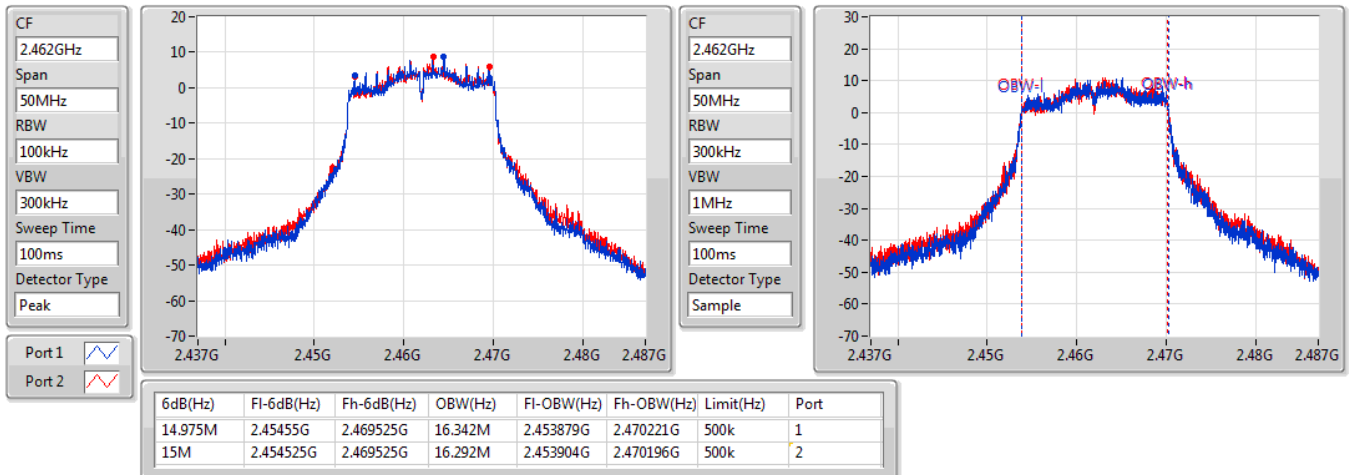
08/07/2022



802.11g_Nss1,(6Mbps)_2TX

2462MHz

21/07/2022

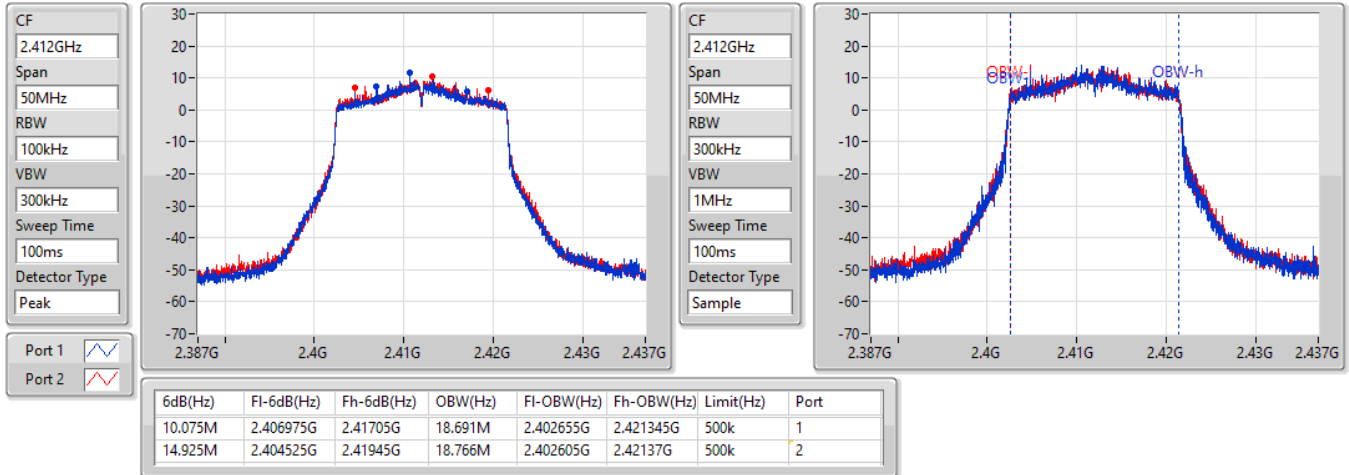


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

08/07/2022

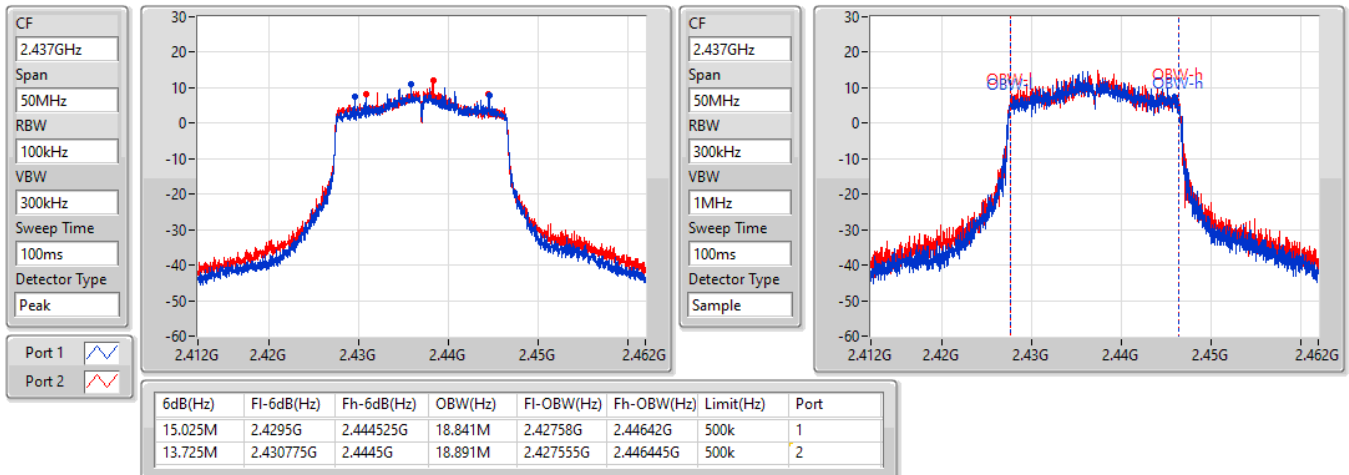


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

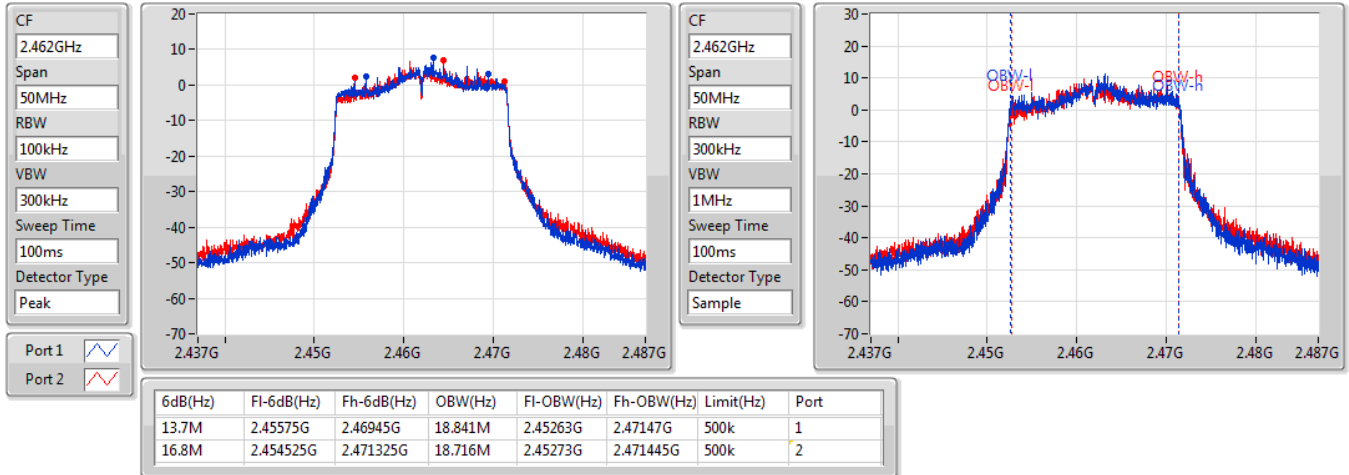
2437MHz

08/07/2022

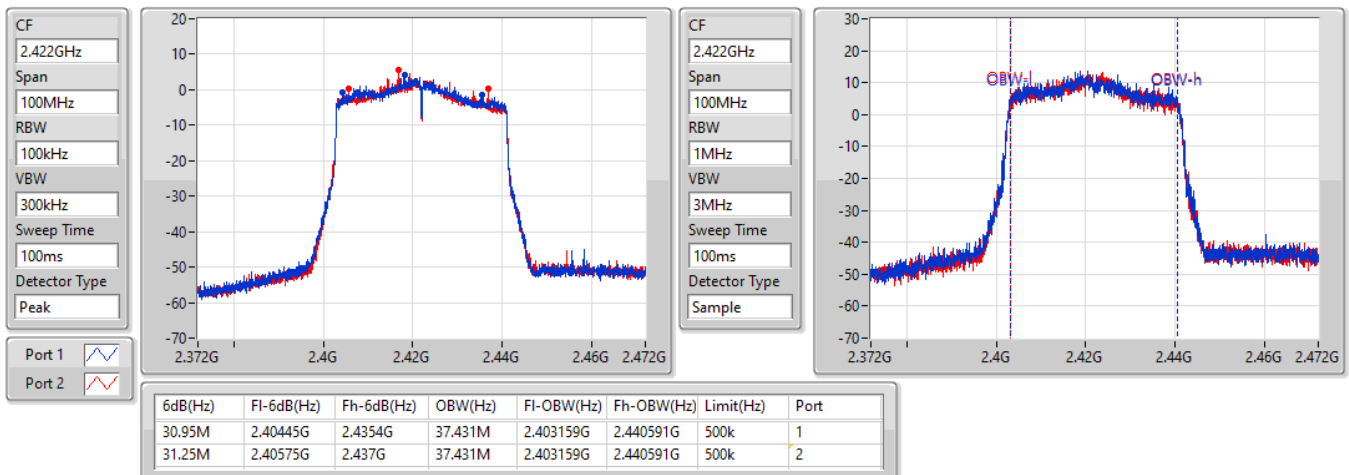


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2462MHz

21/07/2022


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
2422MHz

08/07/2022

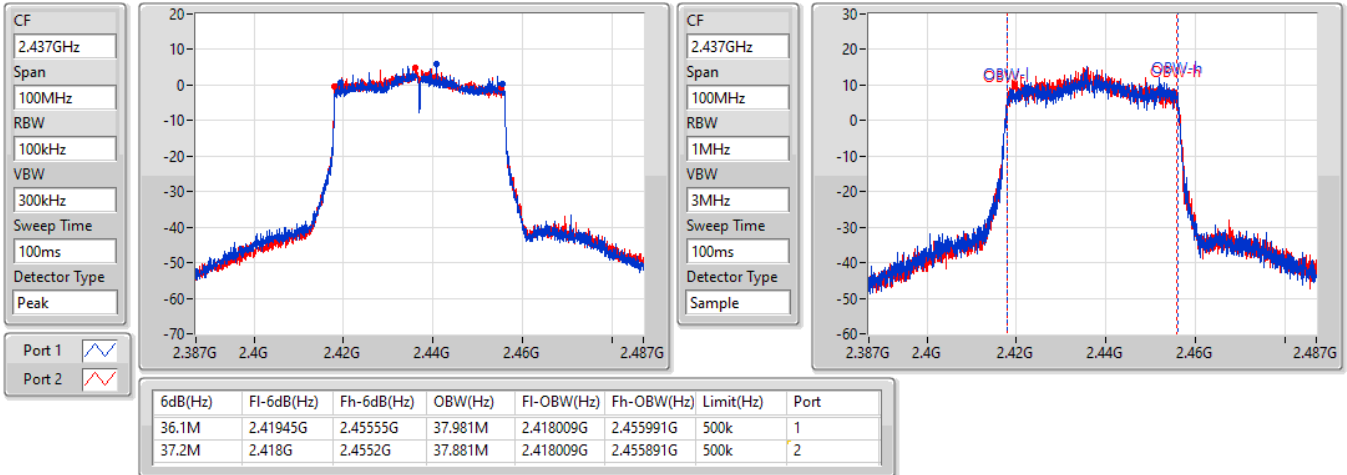


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

08/07/2022

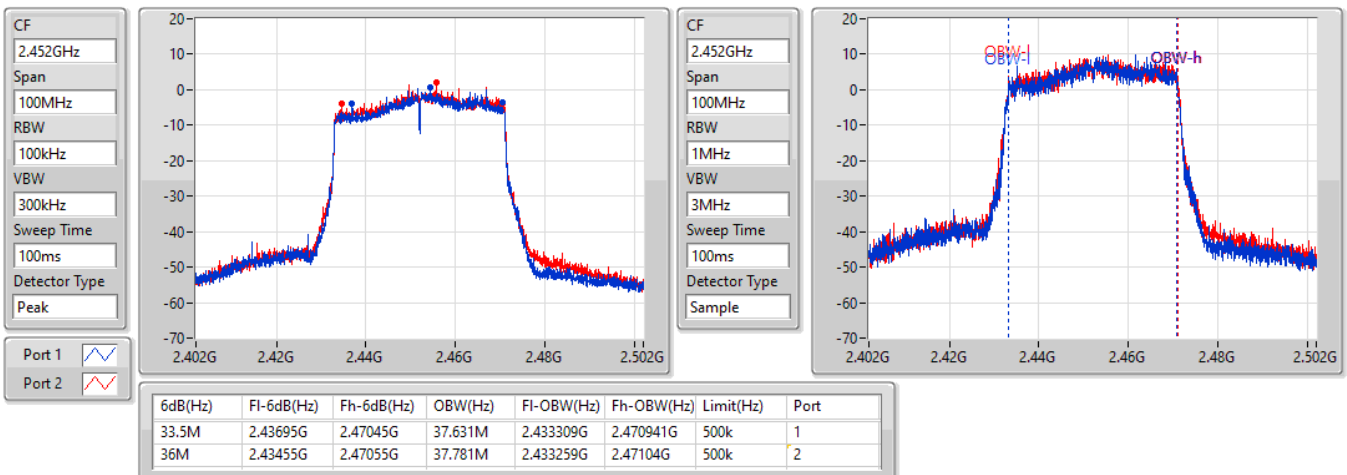


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

08/07/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.86	0.48529
802.11g_Nss1,(6Mbps)_2TX	24.74	0.29785
802.11ax HEW20_Nss1,(MCS0)_2TX	24.59	0.28774
802.11ax HEW40_Nss1,(MCS0)_2TX	22.45	0.17579



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	4.20	20.42	20.12	23.28	30.00
2417MHz	Pass	4.20	21.78	21.26	24.54	30.00
2437MHz	Pass	4.20	23.83	23.86	26.86	30.00
2457MHz	Pass	4.20	19.52	19.60	22.57	30.00
2462MHz	Pass	4.20	18.91	19.02	21.98	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.20	20.36	20.02	23.20	30.00
2437MHz	Pass	4.20	21.74	21.71	24.74	30.00
2457MHz	Pass	4.20	21.11	21.48	24.31	30.00
2462MHz	Pass	4.20	18.56	18.79	21.69	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.20	19.33	19.04	22.20	30.00
2417MHz	Pass	4.20	20.86	20.87	23.88	30.00
2437MHz	Pass	4.20	21.54	21.61	24.59	30.00
2457MHz	Pass	4.20	21.10	21.40	24.26	30.00
2462MHz	Pass	4.20	17.15	17.08	20.13	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.20	17.53	17.18	20.37	30.00
2427MHz	Pass	4.20	18.48	18.60	21.55	30.00
2437MHz	Pass	4.20	19.54	19.34	22.45	30.00
2447MHz	Pass	4.20	17.36	17.25	20.32	30.00
2452MHz	Pass	4.20	16.02	15.97	19.01	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	24.48	0.28054
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.35	0.17179

**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	7.01	19.31	19.01	22.17	28.99
2417MHz	Pass	7.01	20.84	20.85	23.86	28.99
2437MHz	Pass	7.01	21.43	21.50	24.48	28.99
2457MHz	Pass	7.01	21.05	21.35	24.21	28.99
2462MHz	Pass	7.01	17.10	17.03	20.08	28.99
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.01	17.49	17.14	20.33	28.99
2427MHz	Pass	7.01	18.37	18.49	21.44	28.99
2437MHz	Pass	7.01	19.44	19.24	22.35	28.99
2447MHz	Pass	7.01	17.25	17.14	20.21	28.99
2452MHz	Pass	7.01	16.00	15.95	18.99	28.99

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	3.29
802.11g_Nss1,(6Mbps)_2TX	-2.94
802.11ax HEW20_Nss1,(MCS0)_2TX	-2.40
802.11ax HEW40_Nss1,(MCS0)_2TX	-6.54

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.01	-2.92	-3.29	-0.50	6.99
2437MHz	Pass	7.01	-0.20	1.01	3.29	6.99
2462MHz	Pass	7.01	-5.16	-4.63	-2.12	6.99
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.01	-7.19	-5.27	-4.05	6.99
2437MHz	Pass	7.01	-5.02	-3.72	-2.94	6.99
2462MHz	Pass	7.01	-7.87	-6.02	-4.89	6.99
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.01	-6.03	-6.39	-4.43	6.99
2437MHz	Pass	7.01	-4.28	-4.69	-2.40	6.99
2462MHz	Pass	7.01	-7.34	-8.19	-6.12	6.99
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.01	-10.57	-9.91	-8.58	6.99
2437MHz	Pass	7.01	-7.05	-8.95	-6.54	6.99
2452MHz	Pass	7.01	-11.91	-11.98	-10.73	6.99

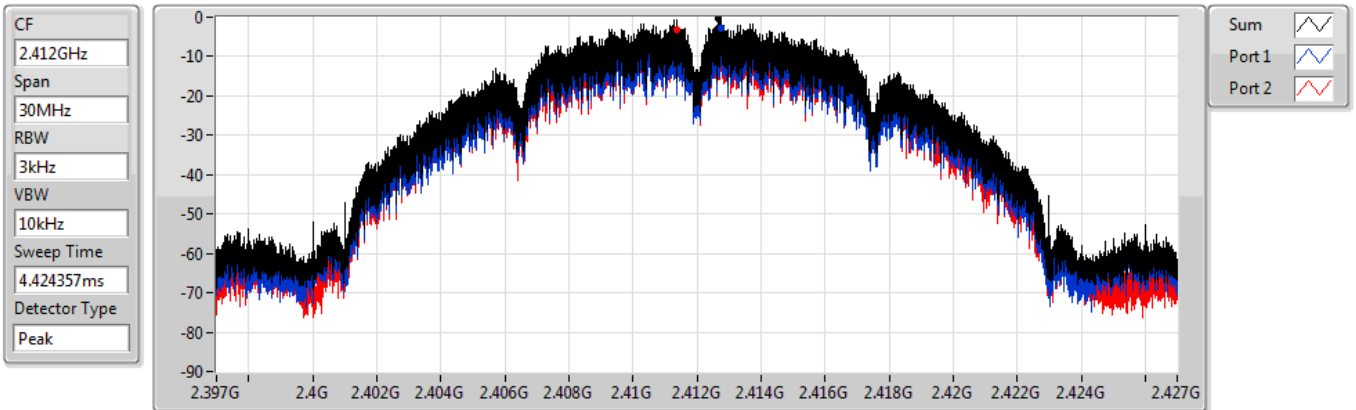
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

21/07/2022



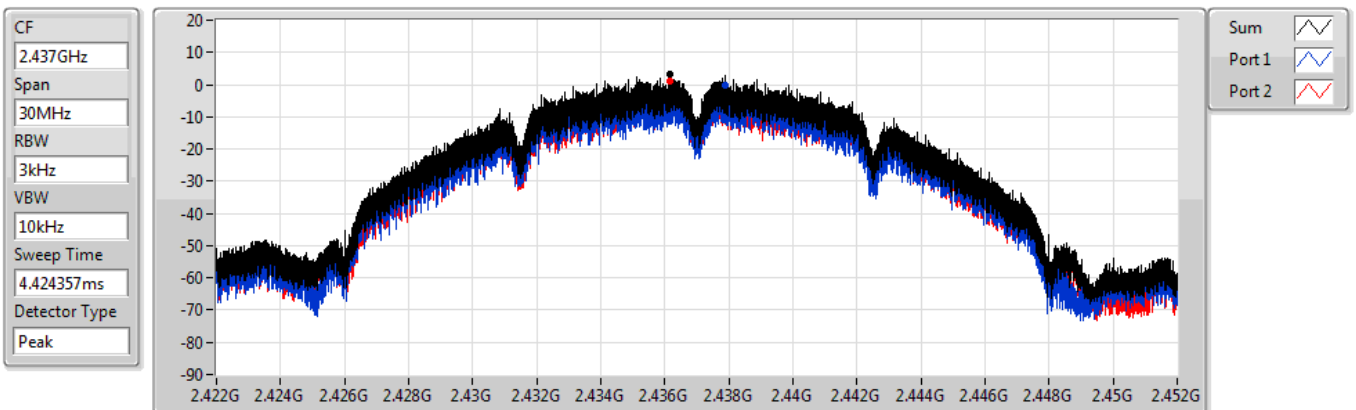
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.50	-0.50	-2.92	-3.29

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

21/07/2022



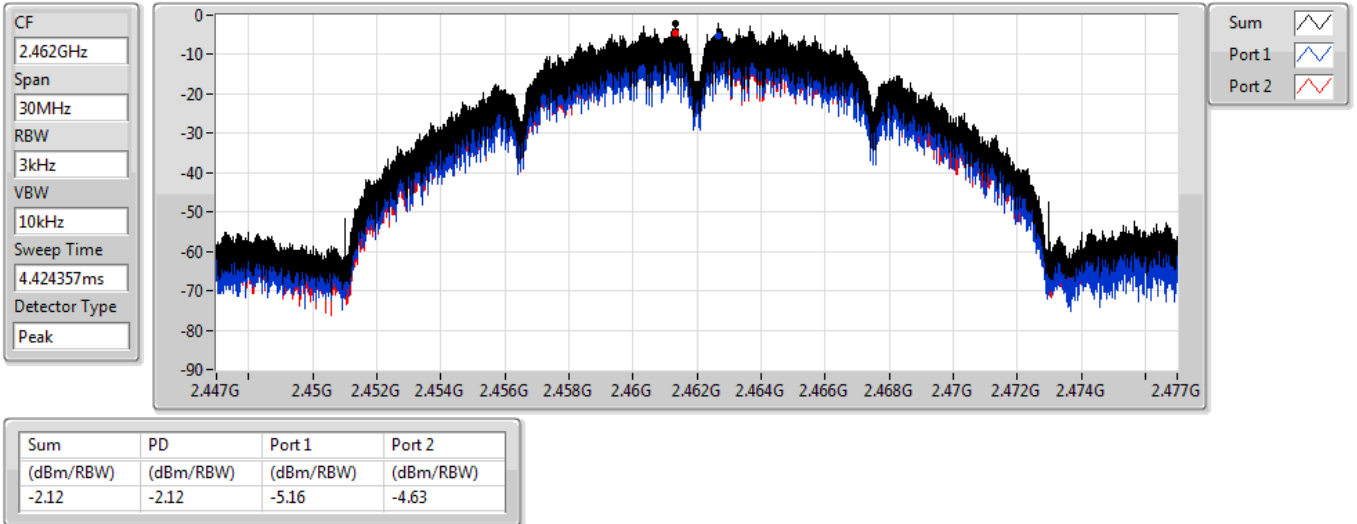
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.29	3.29	-0.20	1.01

802.11b_Nss1,(1Mbps)_2TX

2462MHz

PSD

21/07/2022

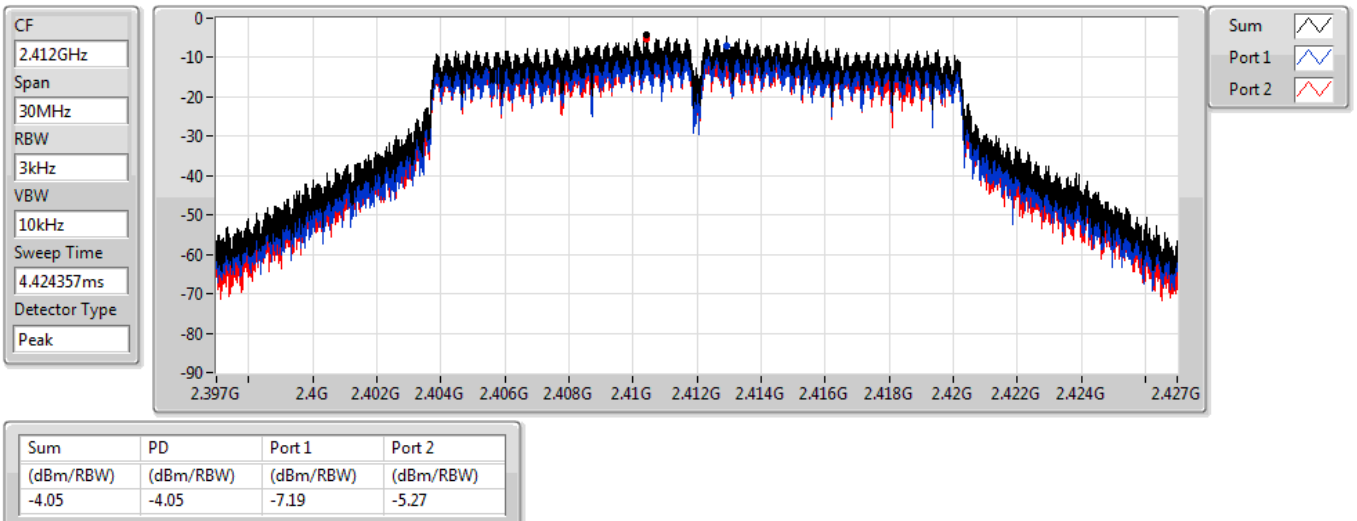


802.11g_Nss1,(6Mbps)_2TX

2412MHz

PSD

21/07/2022

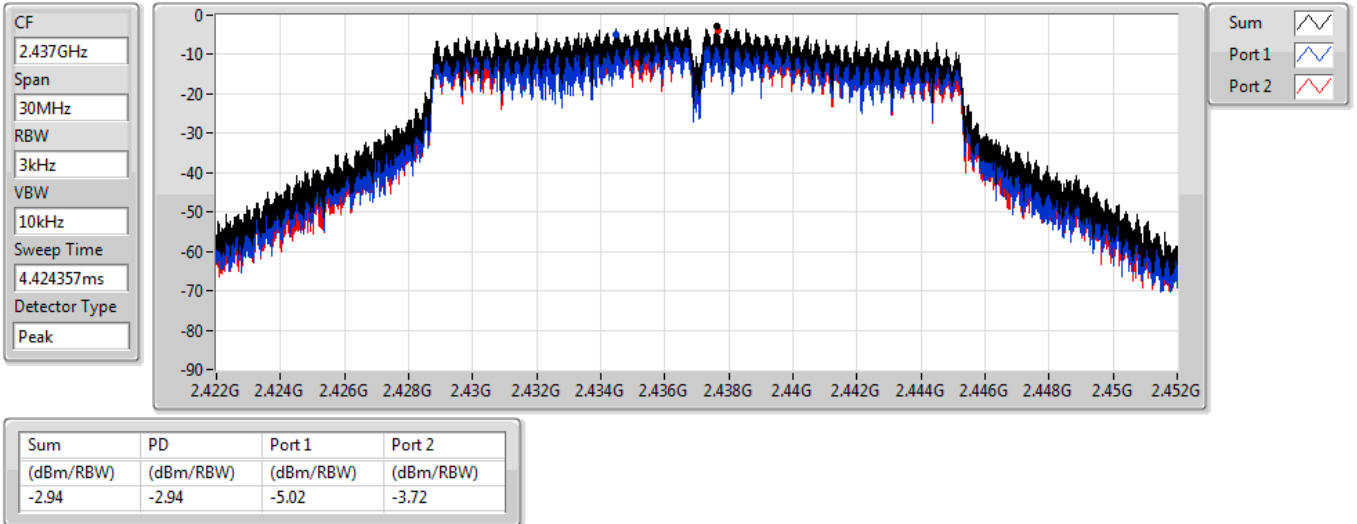


802.11g_Nss1,(6Mbps)_2TX

2437MHz

PSD

21/07/2022

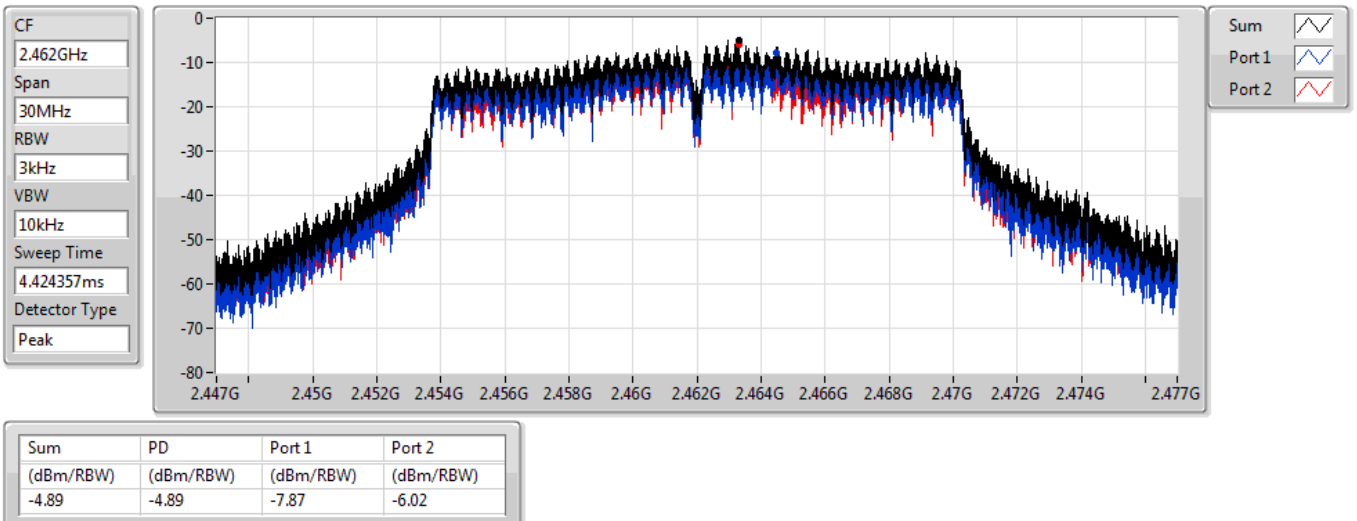


802.11g_Nss1,(6Mbps)_2TX

2462MHz

PSD

21/07/2022

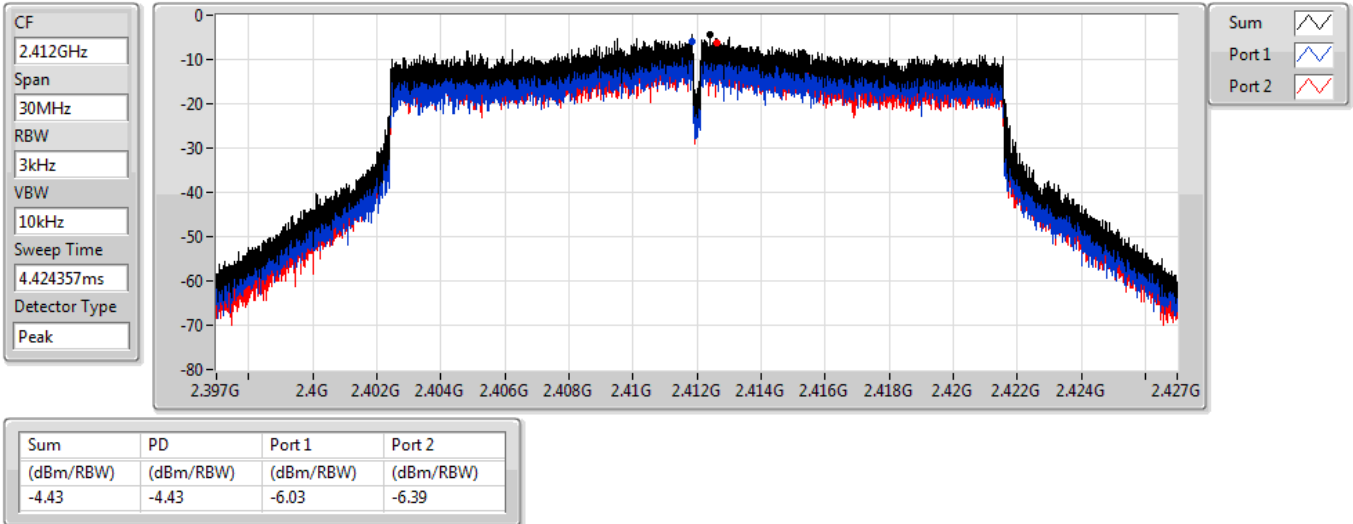


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

21/07/2022

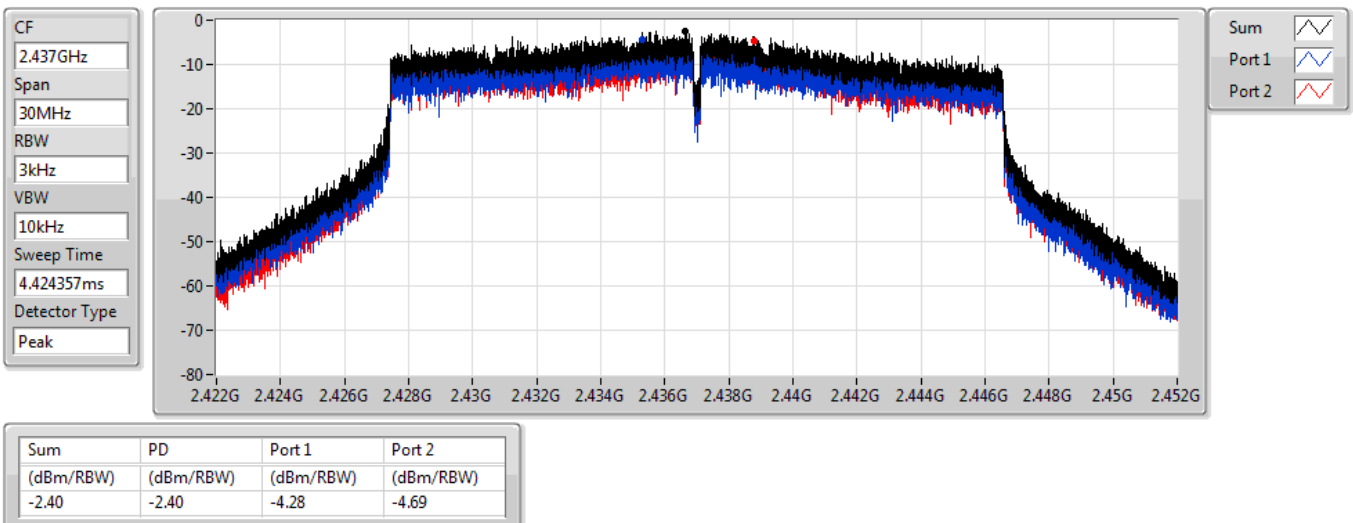


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

21/07/2022

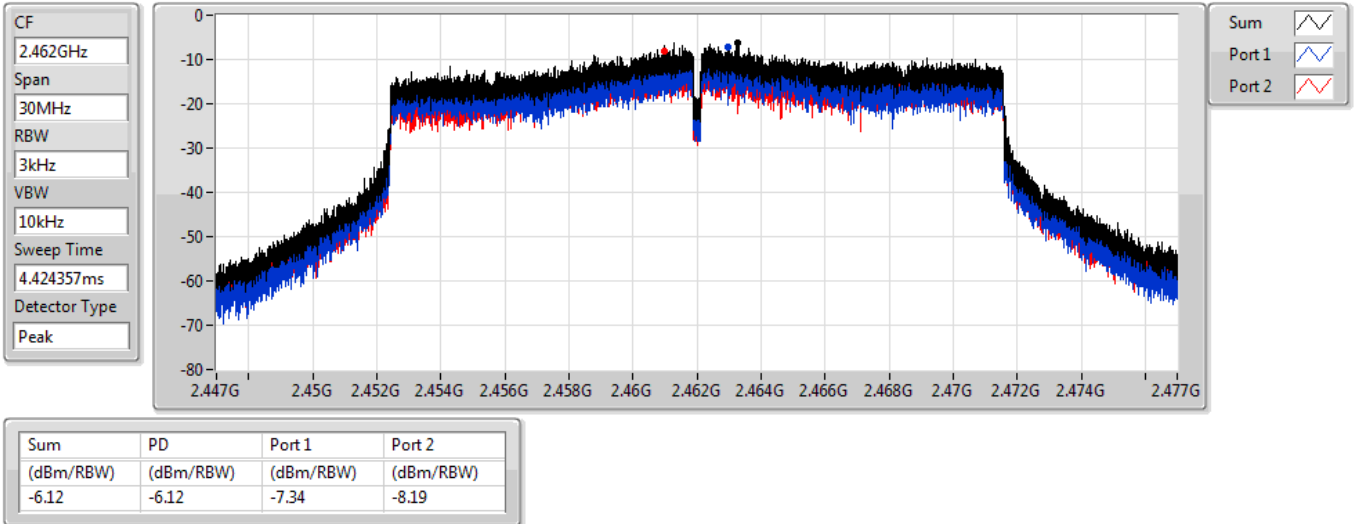


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

21/07/2022

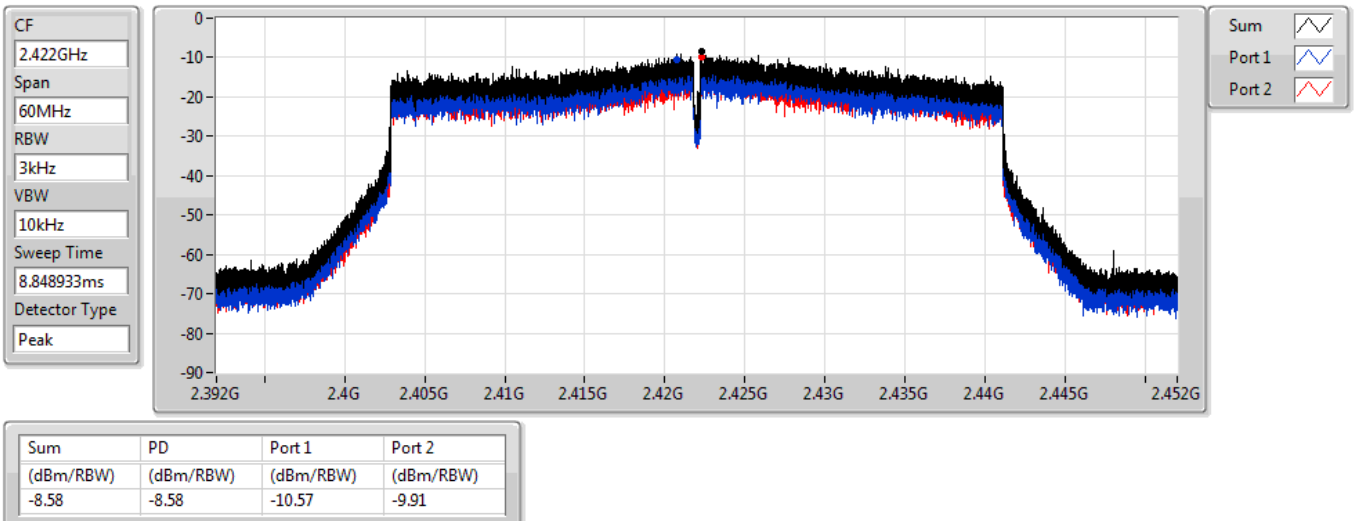


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

21/07/2022

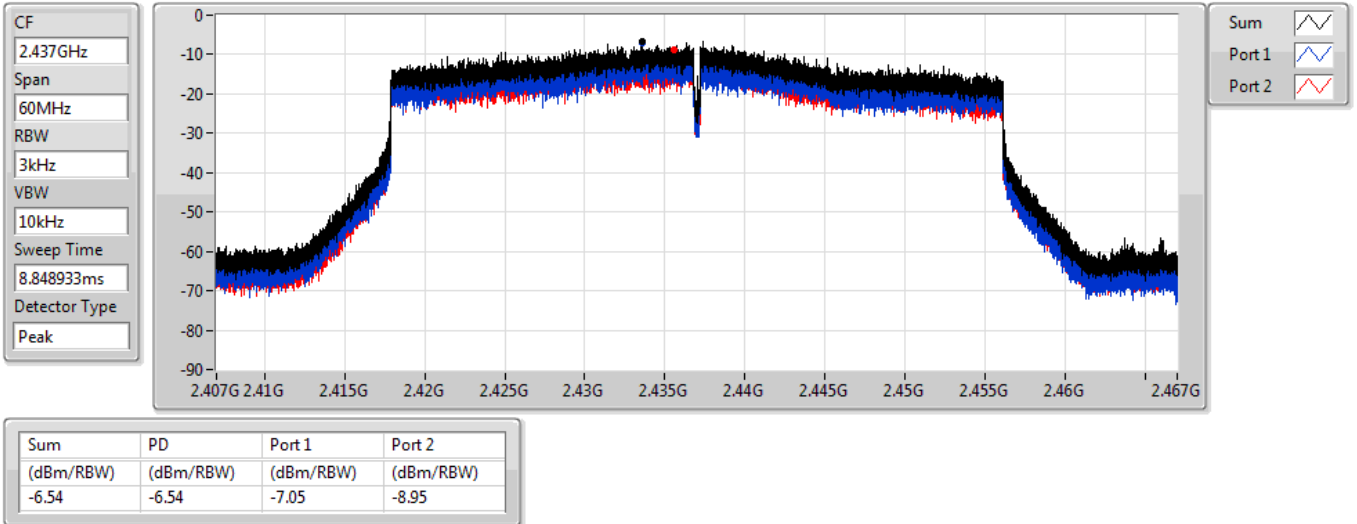


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

21/07/2022

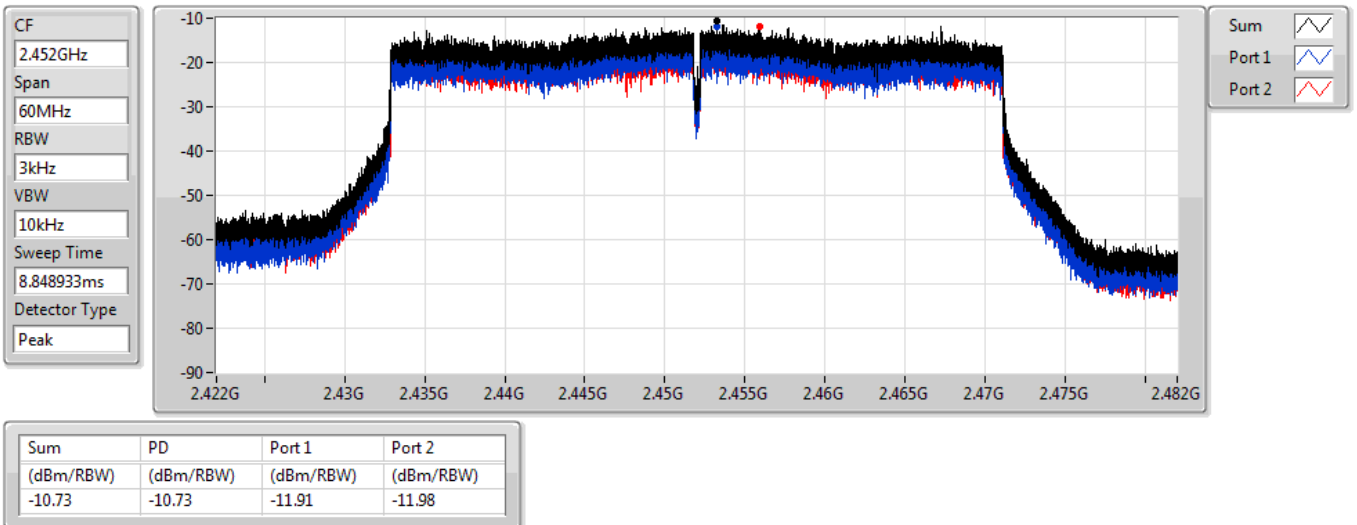


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

21/07/2022





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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43657G	14.78	-15.22	745.31M	-46.34	2.39952G	-39.65	2.4G	-42.52	2.5015G	-51.40	21.9432G	-41.84	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	11.98	-18.02	2.11652G	-54.22	2.39992G	-28.89	2.4G	-27.86	2.50526G	-51.21	24.87638G	-40.99	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43574G	11.10	-18.90	745.31M	-52.12	2.39992G	-28.42	2.4G	-26.72	2.50702G	-51.69	16.56007G	-41.63	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4344G	7.32	-22.68	2.30397G	-54.12	2.4G	-35.31	2.4G	-36.10	2.50414G	-52.23	23.32568G	-41.74	1

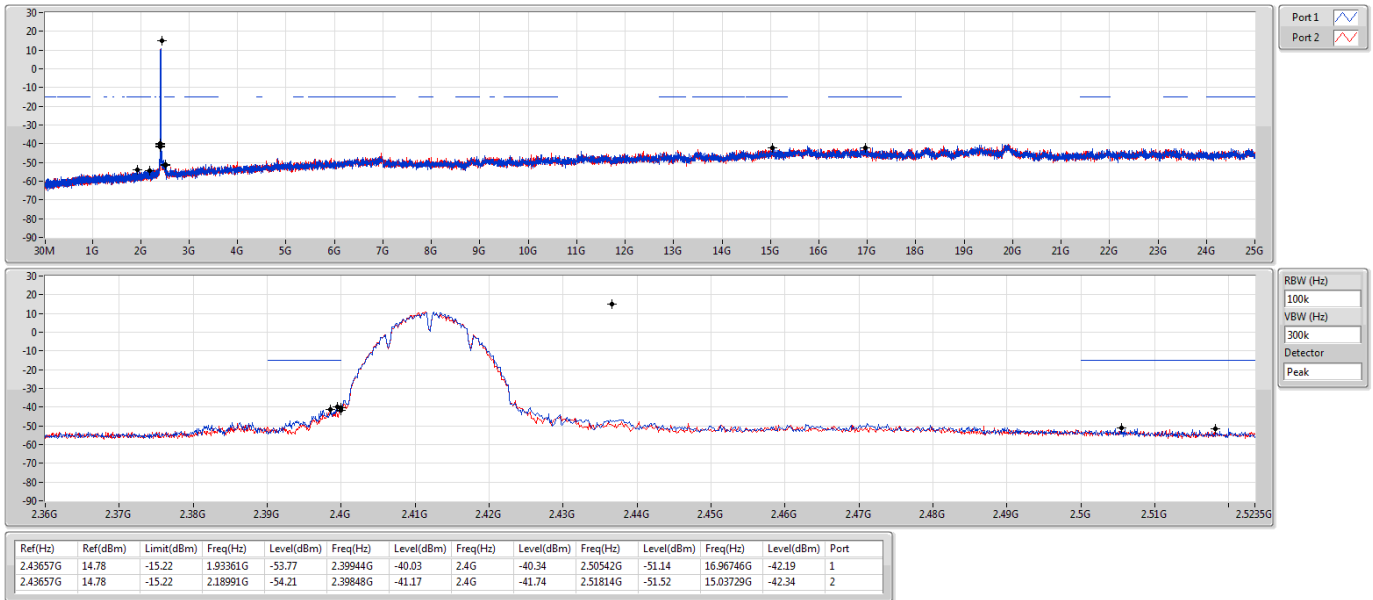
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43657G	14.78	-15.22	1.93361G	-53.77	2.39944G	-40.03	2.4G	-40.34	2.50542G	-51.14	16.96746G	-42.19	1
2412MHz	Pass	2.43657G	14.78	-15.22	2.18991G	-54.21	2.39848G	-41.17	2.4G	-41.74	2.51814G	-51.52	15.03729G	-42.34	2
2437MHz	Pass	2.43657G	14.78	-15.22	1.93594G	-54.27	2.39768G	-43.29	2.4G	-48.66	2.50038G	-51.39	21.98815G	-42.15	1
2437MHz	Pass	2.43657G	14.78	-15.22	745.31M	-46.34	2.39952G	-39.65	2.4G	-42.52	2.5015G	-51.40	21.9432G	-41.84	2
2462MHz	Pass	2.43657G	14.78	-15.22	2.06759G	-53.54	2.398G	-50.56	2.4G	-51.87	2.50526G	-52.06	24.86233G	-41.84	1
2462MHz	Pass	2.43657G	14.78	-15.22	2.13399G	-54.18	2.39936G	-51.49	2.4G	-52.02	2.51262G	-52.34	15.06539G	-41.98	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	11.98	-18.02	2.11652G	-54.22	2.39992G	-28.89	2.4G	-27.86	2.50526G	-51.21	24.87638G	-40.99	1
2412MHz	Pass	2.43824G	11.98	-18.02	2.14448G	-54.06	2.39984G	-31.02	2.4G	-29.06	2.50214G	-51.43	21.86734G	-41.86	2
2437MHz	Pass	2.43824G	11.98	-18.02	2.07691G	-53.96	2.39984G	-47.93	2.4G	-49.32	2.50142G	-50.11	23.22717G	-41.19	1
2437MHz	Pass	2.43824G	11.98	-18.02	2.30525G	-54.31	2.39976G	-49.01	2.4G	-47.35	2.50286G	-50.83	15.07382G	-41.34	2
2462MHz	Pass	2.43824G	11.98	-18.02	2.15729G	-53.50	2.4G	-50.12	2.4G	-50.30	2.5011G	-51.08	23.19907G	-41.85	1
2462MHz	Pass	2.43824G	11.98	-18.02	2.14098G	-54.13	2.3956G	-50.74	2.4G	-51.70	2.50542G	-51.67	16.96746G	-41.70	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	11.10	-18.90	745.31M	-52.12	2.39992G	-28.42	2.4G	-26.72	2.50702G	-51.69	16.56007G	-41.63	1
2412MHz	Pass	2.43574G	11.10	-18.90	745.31M	-52.25	2.39976G	-30.59	2.4G	-29.58	2.50398G	-51.19	14.776G	-41.61	2
2437MHz	Pass	2.43574G	11.10	-18.90	2.15263G	-53.53	2.39984G	-47.46	2.4G	-48.40	2.50014G	-50.68	16.64998G	-41.91	1
2437MHz	Pass	2.43574G	11.10	-18.90	2.12933G	-53.65	2.39936G	-47.98	2.4G	-48.53	2.50022G	-51.47	17.0377G	-42.19	2
2462MHz	Pass	2.43574G	11.10	-18.90	2.17826G	-54.64	2.4G	-50.80	2.4G	-51.58	2.50102G	-51.97	21.84205G	-42.24	1
2462MHz	Pass	2.43574G	11.10	-18.90	2.30991G	-54.58	2.4G	-50.91	2.4G	-51.94	2.50342G	-50.95	23.23279G	-41.62	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	7.32	-22.68	2.30397G	-54.12	2.4G	-35.31	2.4G	-36.10	2.50414G	-52.23	23.32568G	-41.74	1
2422MHz	Pass	2.4344G	7.32	-22.68	2.07726G	-54.38	2.39952G	-37.18	2.4G	-35.43	2.50494G	-52.27	23.27239G	-41.28	2
2437MHz	Pass	2.4344G	7.32	-22.68	2.14138G	-53.47	2.39456G	-46.39	2.4G	-47.04	2.50798G	-51.51	16.56388G	-41.66	1
2437MHz	Pass	2.4344G	7.32	-22.68	2.12421G	-54.17	2.4G	-46.98	2.4G	-47.58	2.5019G	-51.94	17.57913G	-41.45	2
2452MHz	Pass	2.4344G	7.32	-22.68	2.1597G	-54.77	2.39872G	-50.71	2.4G	-50.04	2.50478G	-52.20	16.37597G	-42.06	1
2452MHz	Pass	2.4344G	7.32	-22.68	1.78758G	-54.48	2.4G	-49.32	2.4G	-49.99	2.50158G	-51.18	16.763G	-41.13	2

802.11b_Nss1,(1Mbps)_2TX

CSENdB

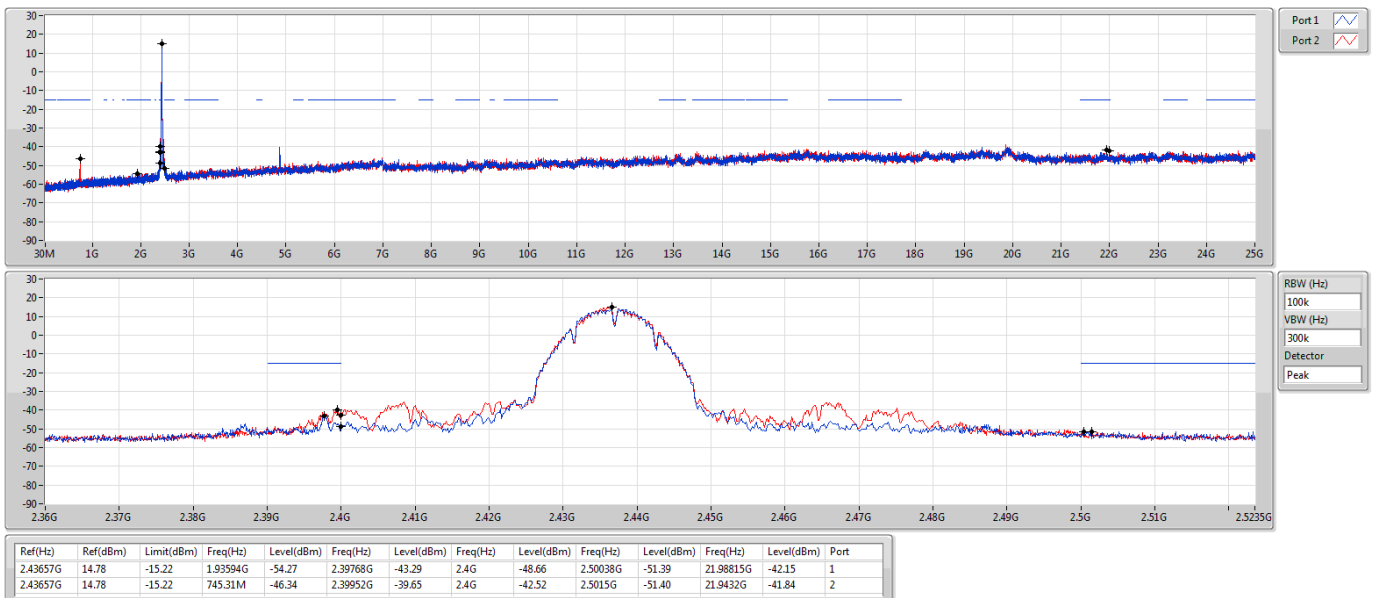
2412MHz



802.11b_Nss1,(1Mbps)_2TX

CSENdB

2437MHz

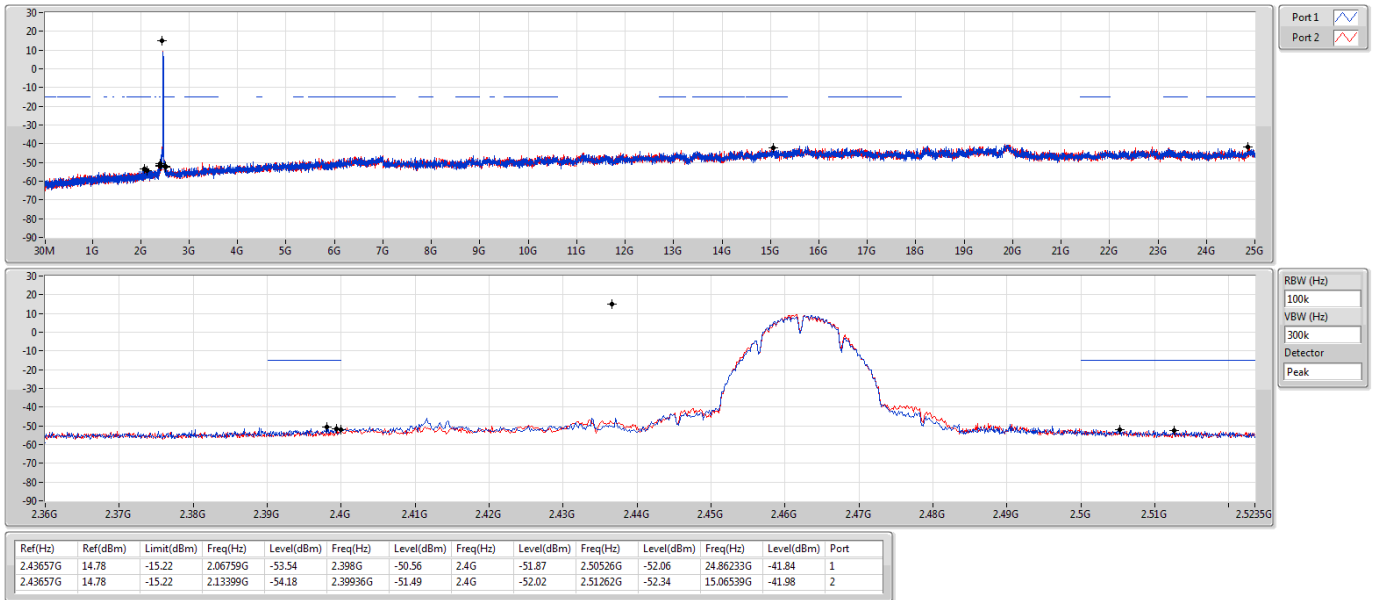


802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSEndB

21/07/2022

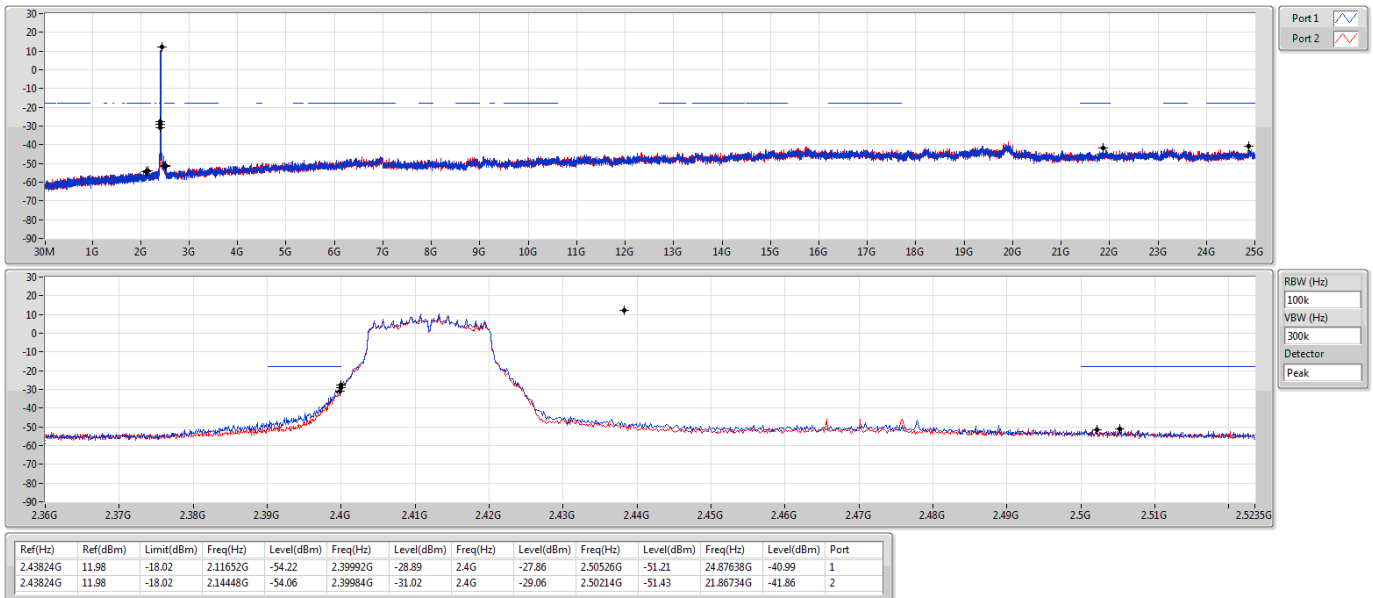


802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSEndB

21/07/2022

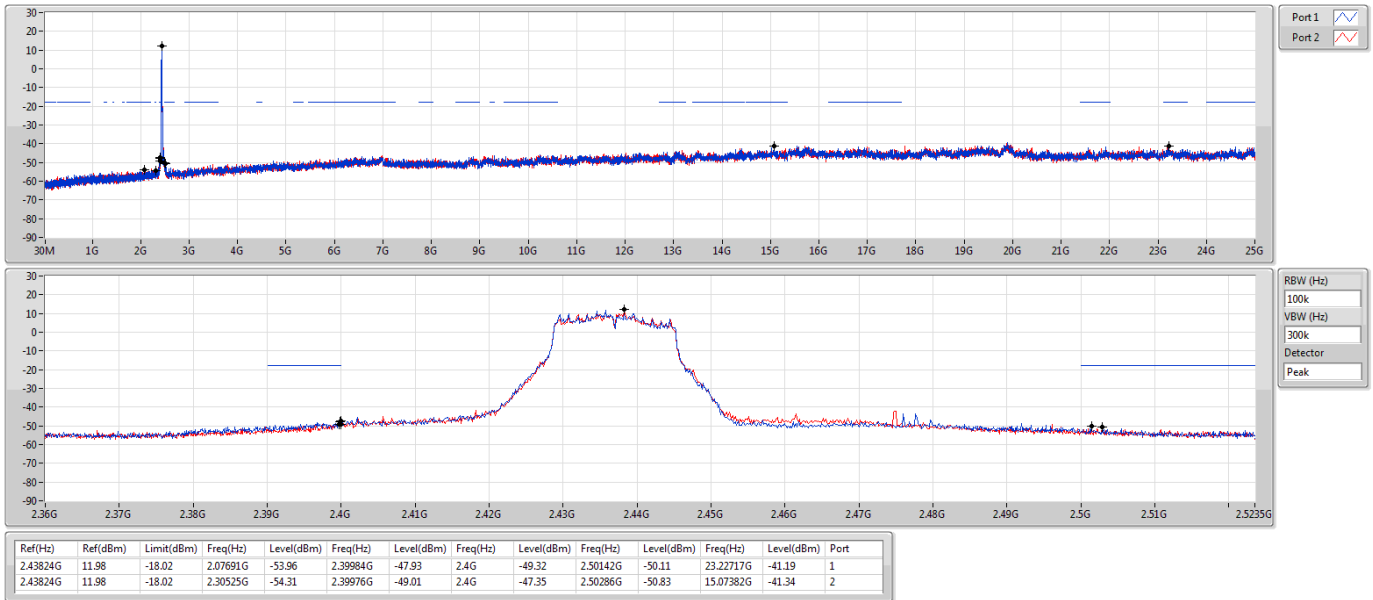


802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSEndB

21/07/2022

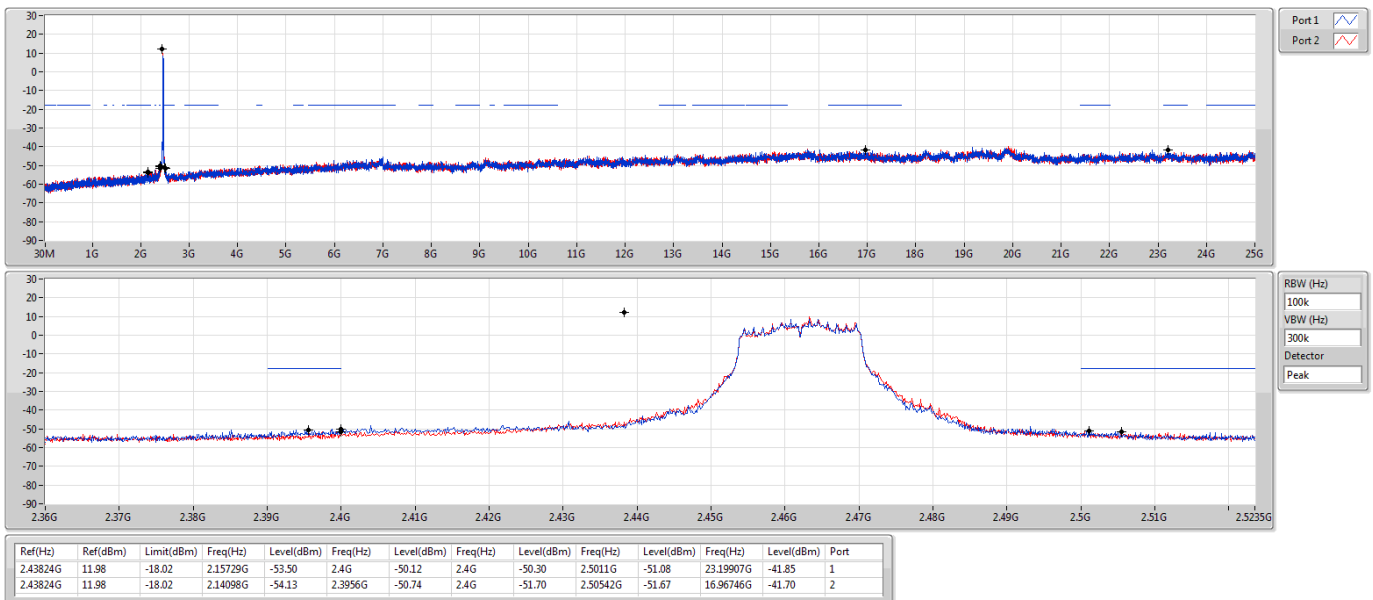


802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSEndB

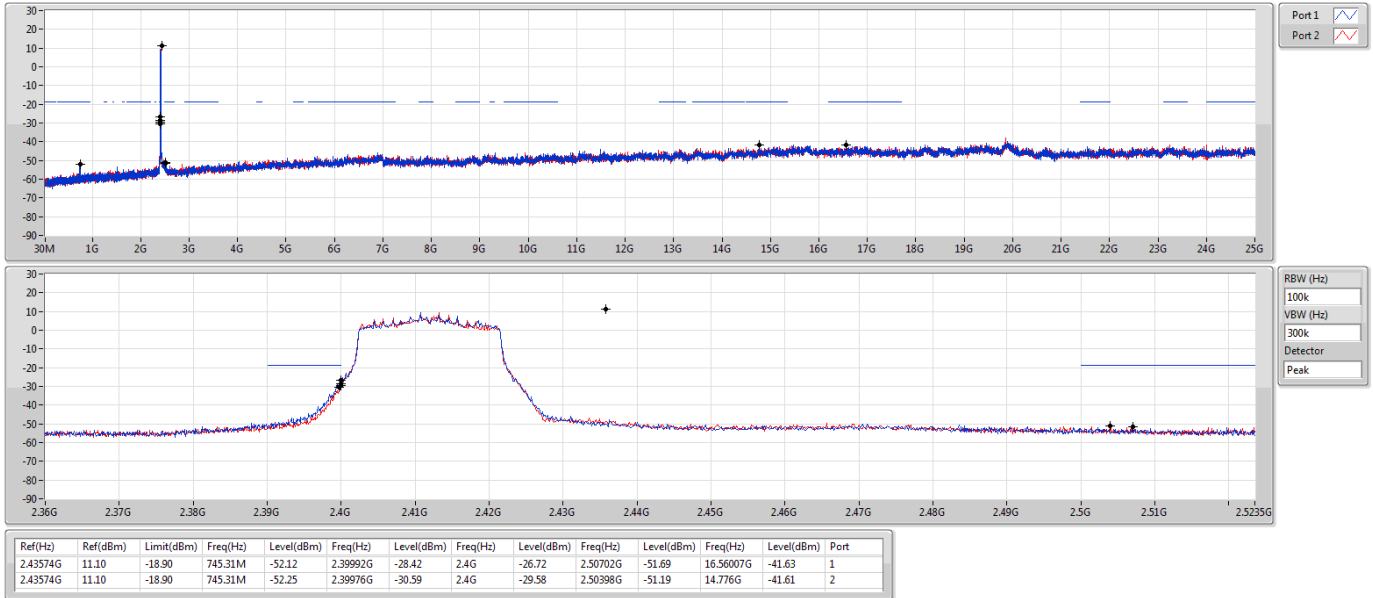
21/07/2022



802.11ax HEW20_Nss1,(MCS0)_2TX

CSEndB

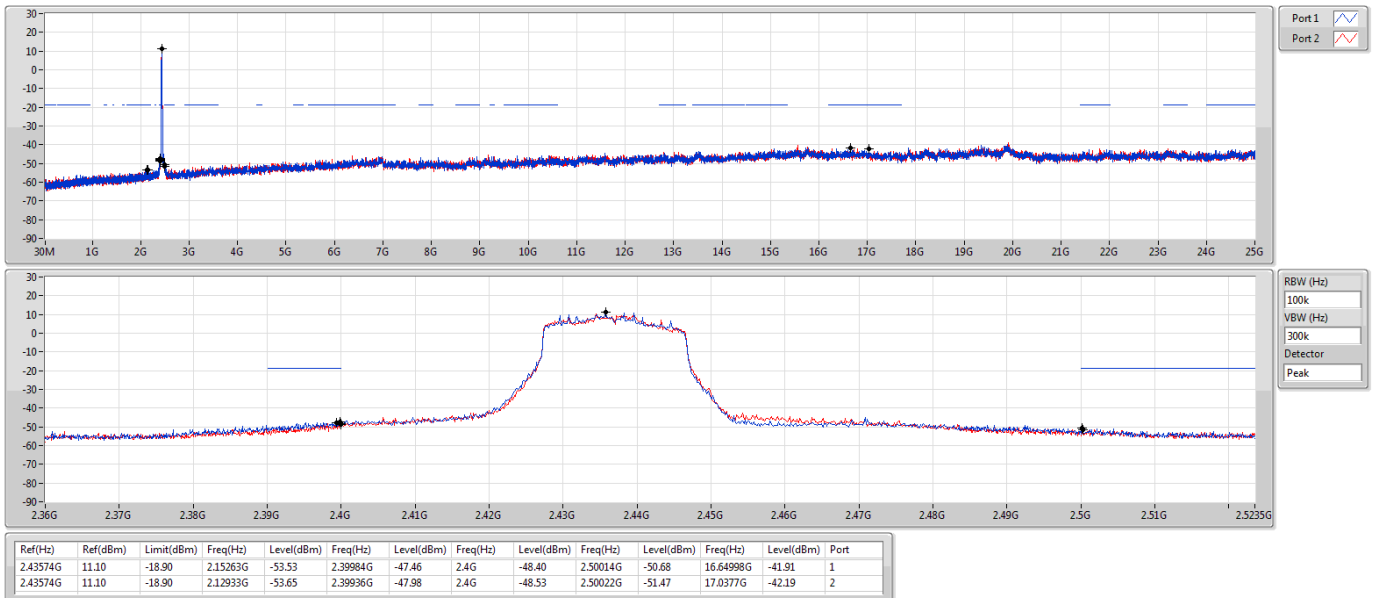
2412MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSEndB

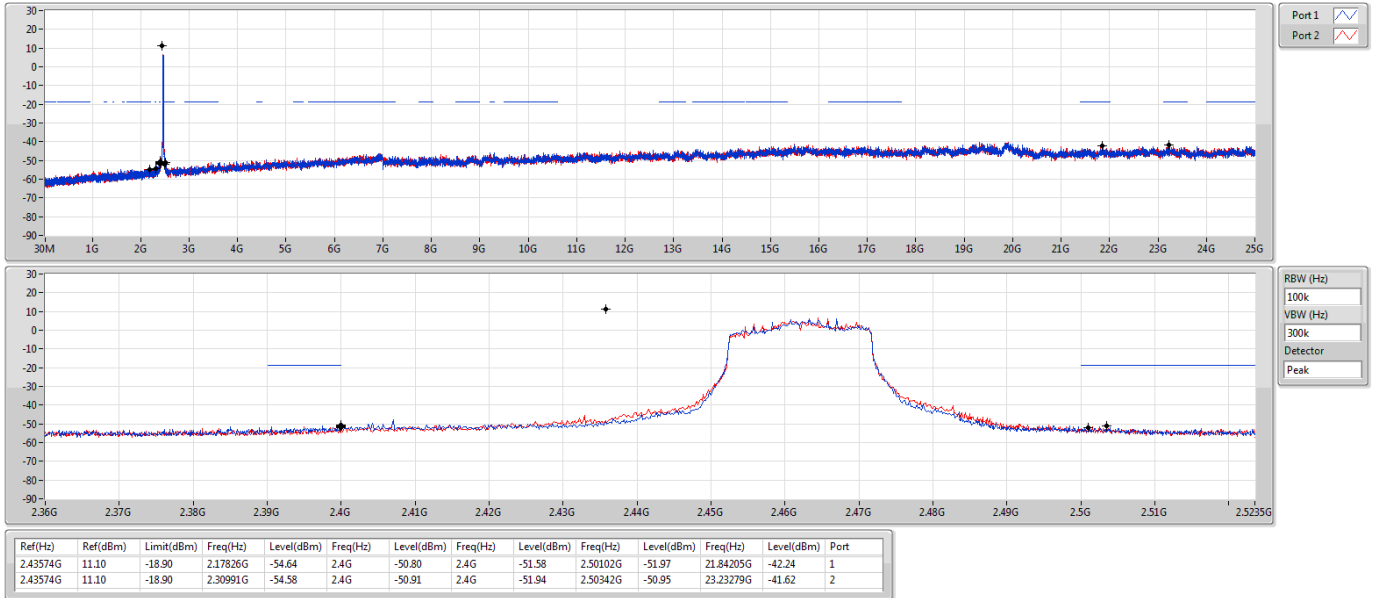
2437MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSEndB

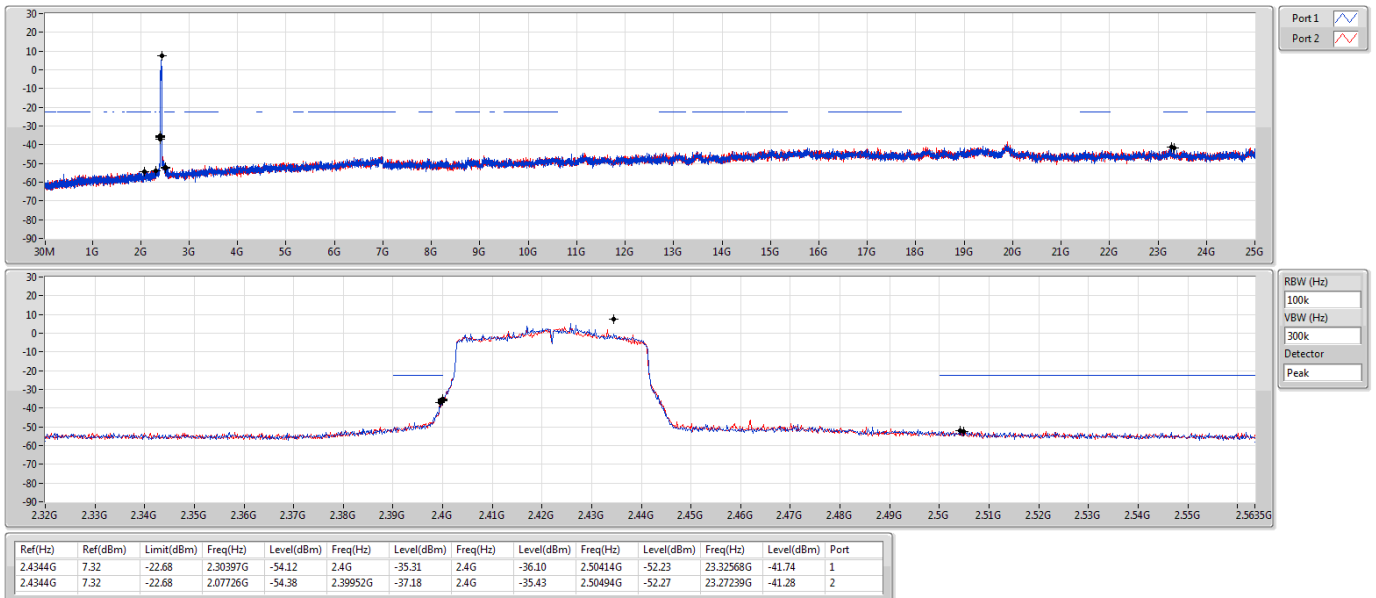
2462MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSEndB

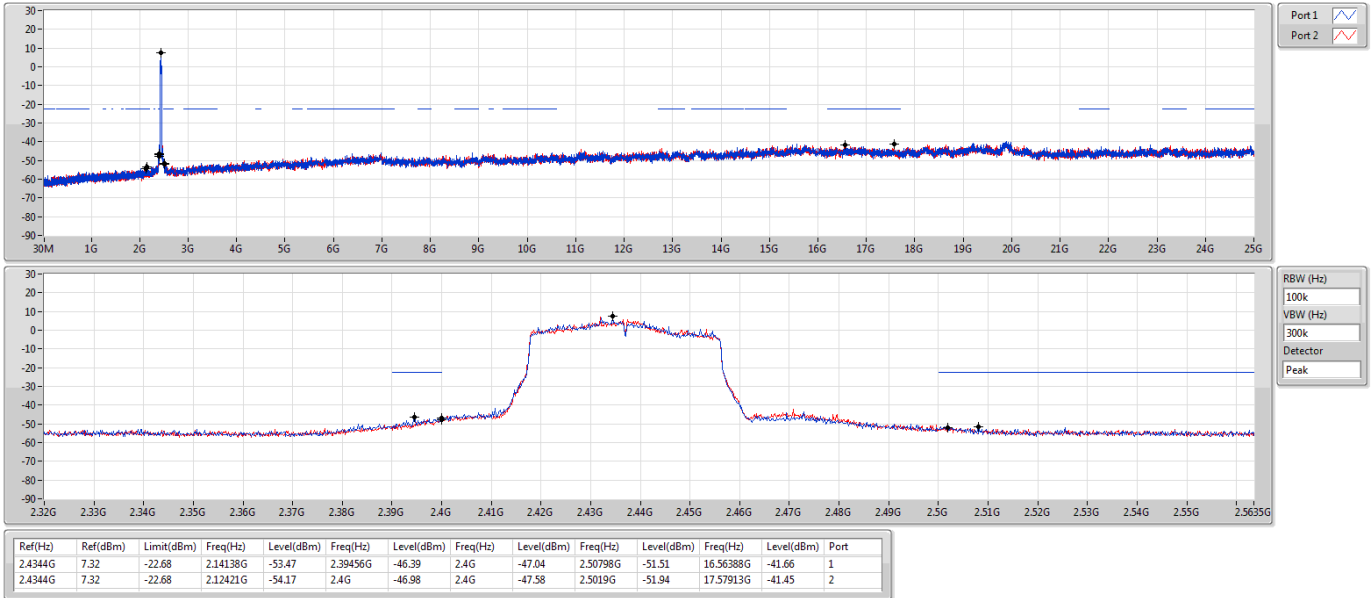
2422MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSENdB

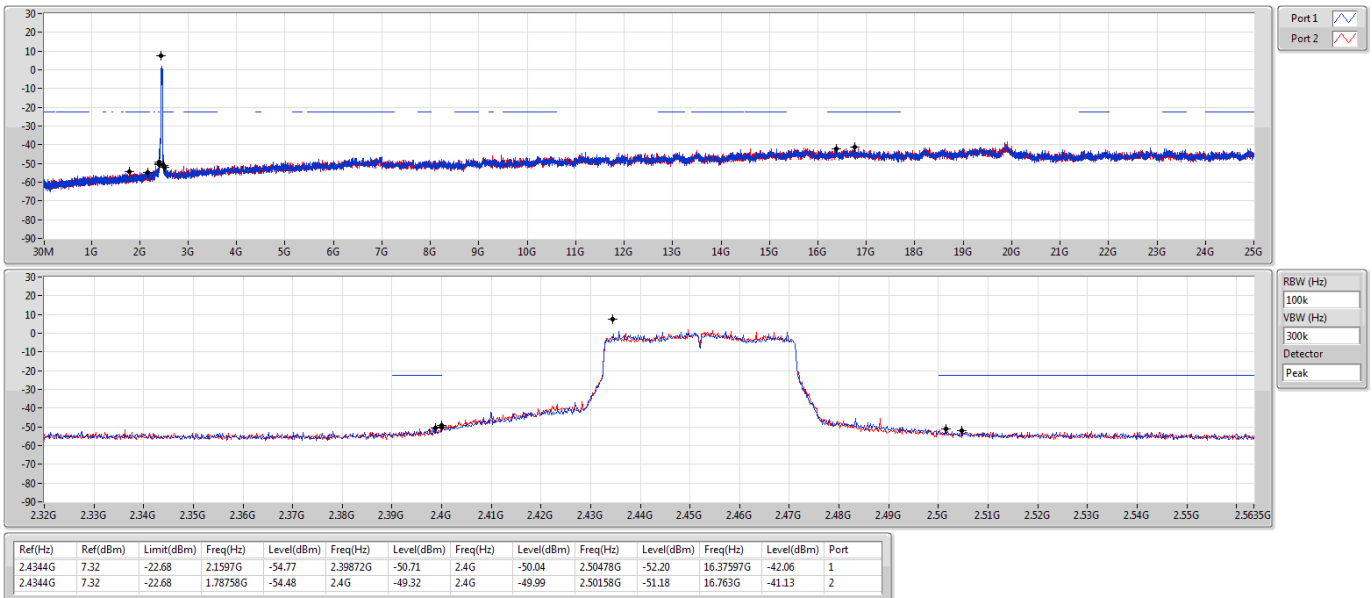
2437MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSENdB

2452MHz





Summary

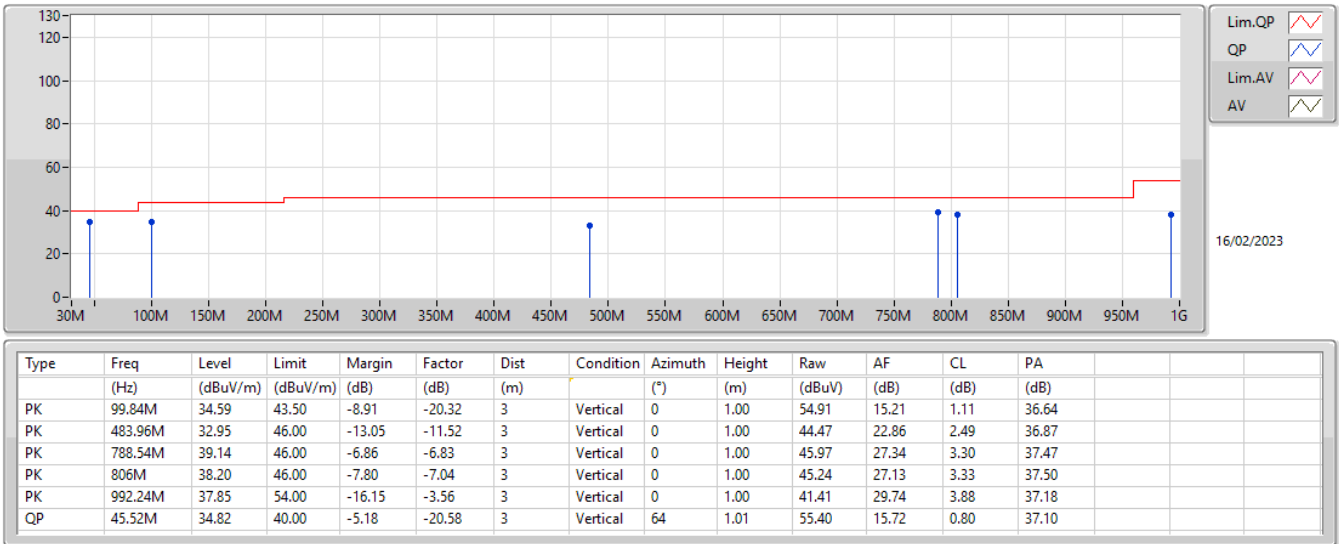
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1.(MCS0)_2TX	Pass	PK	893.3M	42.25	46.00	-3.75	3	Horizontal	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Height (m)
802.11ax HEW40_Nss1_(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	99.84M	34.59	43.50	-8.91	-20.32	3	Vertical	1.00
2437MHz	Pass	PK	483.96M	32.95	46.00	-13.05	-11.52	3	Vertical	1.00
2437MHz	Pass	PK	788.54M	39.14	46.00	-6.86	-6.83	3	Vertical	1.00
2437MHz	Pass	PK	806M	38.20	46.00	-7.80	-7.04	3	Vertical	1.00
2437MHz	Pass	PK	992.24M	37.85	54.00	-16.15	-3.56	3	Vertical	1.00
2437MHz	Pass	QP	45.52M	34.82	40.00	-5.18	-20.58	3	Vertical	1.01
2437MHz	Pass	PK	86.26M	33.94	40.00	-6.06	-22.31	3	Horizontal	1.00
2437MHz	Pass	PK	105.66M	35.81	43.50	-7.69	-19.69	3	Horizontal	1.00
2437MHz	Pass	PK	125.06M	37.43	43.50	-6.07	-18.56	3	Horizontal	1.00
2437MHz	Pass	PK	483.96M	37.35	46.00	-8.65	-11.52	3	Horizontal	1.00
2437MHz	Pass	PK	873.9M	41.32	46.00	-4.68	-5.84	3	Horizontal	1.00
2437MHz	Pass	PK	893.3M	42.25	46.00	-3.75	-5.97	3	Horizontal	1.00
2437MHz	Pass	PK	33.88M	34.99	40.00	-5.01	-14.63	3	Vertical	1.00
2437MHz	Pass	PK	90.14M	32.78	43.50	-10.72	-21.70	3	Vertical	1.00
2437MHz	Pass	PK	483.96M	33.19	46.00	-12.81	-11.52	3	Vertical	1.00
2437MHz	Pass	PK	592.6M	33.44	46.00	-12.56	-9.50	3	Vertical	1.00
2437MHz	Pass	PK	790.48M	39.09	46.00	-6.91	-6.85	3	Vertical	1.00
2437MHz	Pass	PK	873.9M	37.15	46.00	-8.85	-5.84	3	Vertical	1.00
2437MHz	Pass	PK	90.14M	31.46	43.50	-12.04	-21.70	3	Horizontal	1.00
2437MHz	Pass	PK	125.06M	35.06	43.50	-8.44	-18.56	3	Horizontal	1.00
2437MHz	Pass	PK	483.96M	34.03	46.00	-11.97	-11.52	3	Horizontal	1.00
2437MHz	Pass	PK	654.68M	34.73	46.00	-11.27	-8.63	3	Horizontal	1.00
2437MHz	Pass	PK	893.3M	40.47	46.00	-5.53	-5.97	3	Horizontal	1.00
2437MHz	Pass	PK	918.52M	40.26	46.00	-5.74	-5.32	3	Horizontal	1.00

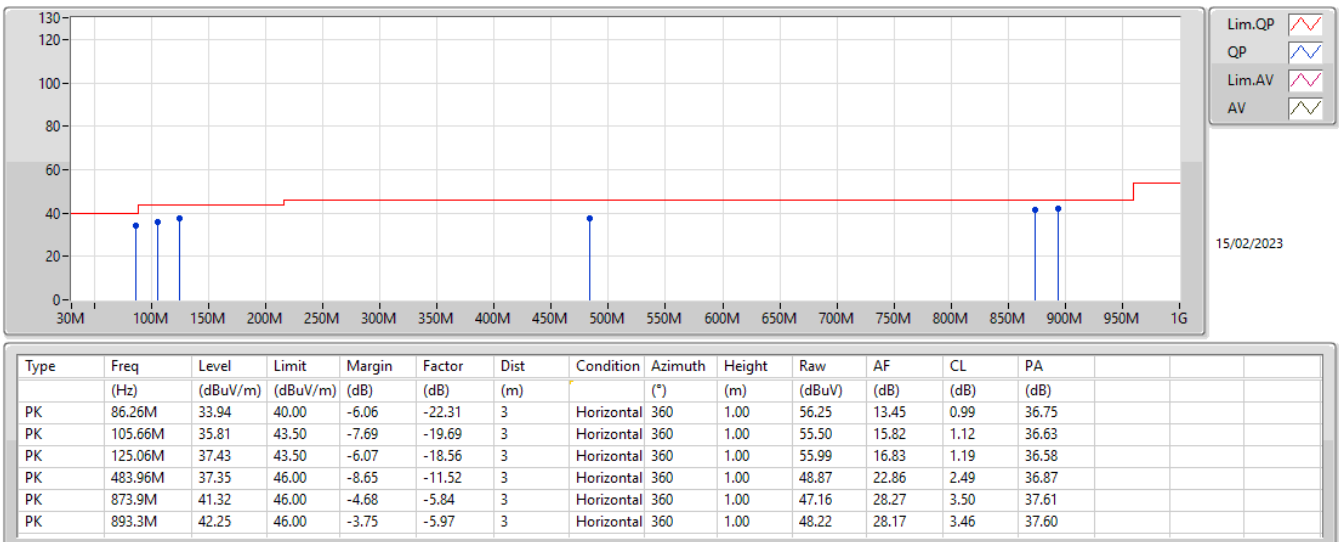
2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_PoE



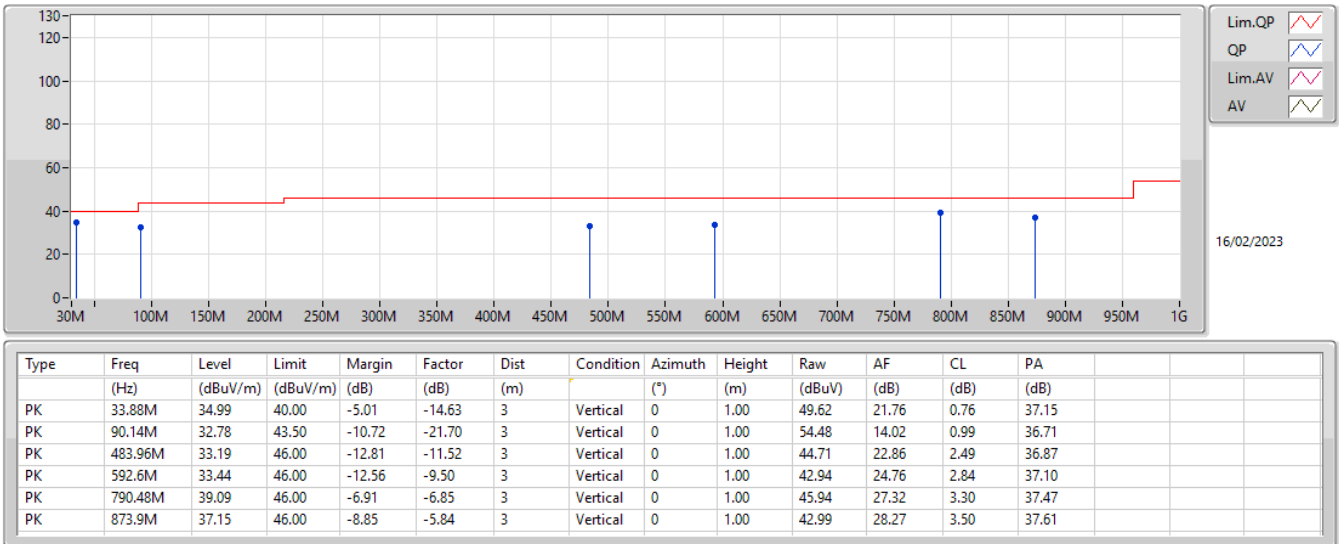
2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_PoE



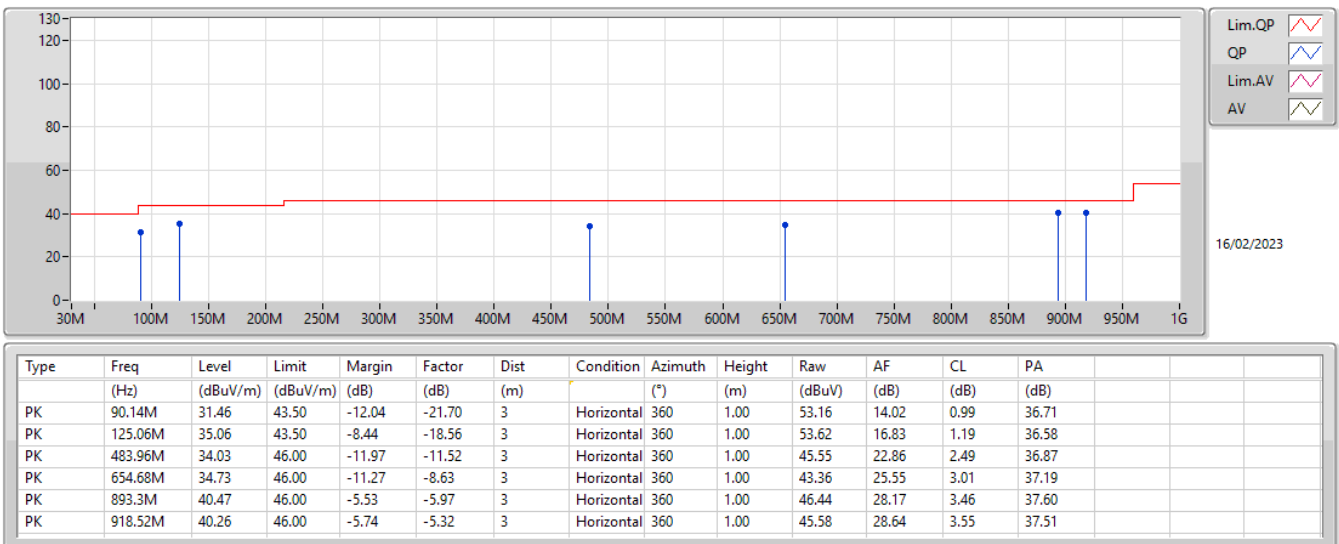
2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_Adapter



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

2437MHz_Adapter





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1.(1Mbps)_2TX	Pass	AV	4.87401G	53.89	54.00	-0.11	3	Horizontal	30	1.72	-
802.11g_Nss1.(6Mbps)_2TX	Pass	AV	2.4835G	53.88	54.00	-0.12	3	Horizontal	49	2.75	-
802.11ax HEW20_Nss1.(MCS0)_2TX	Pass	AV	2.3896G	53.88	54.00	-0.12	3	Horizontal	50	2.53	-
802.11ax HEW40_Nss1.(MCS0)_2TX	Pass	AV	2.3898G	53.85	54.00	-0.15	3	Horizontal	59	2.03	-

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	2.3854G	48.92	54.00	-5.08	3	Vertical	167	1.92	-
2412MHz	Pass	AV	2.4128G	107.49	Inf	-Inf	3	Vertical	167	1.92	-
2412MHz	Pass	PK	2.3862G	57.84	74.00	-16.16	3	Vertical	167	1.92	-
2412MHz	Pass	PK	2.4128G	109.82	Inf	-Inf	3	Vertical	167	1.92	-
2412MHz	Pass	AV	2.3834G	53.26	54.00	-0.74	3	Horizontal	36	2.74	-
2412MHz	Pass	AV	2.4102G	112.56	Inf	-Inf	3	Horizontal	36	2.74	-
2412MHz	Pass	PK	2.3836G	61.09	74.00	-12.91	3	Horizontal	36	2.74	-
2412MHz	Pass	PK	2.41G	114.48	Inf	-Inf	3	Horizontal	36	2.74	-
2412MHz	Pass	AV	4.82403G	40.20	54.00	-13.80	3	Vertical	10	1.50	-
2412MHz	Pass	PK	4.82392G	49.23	74.00	-24.77	3	Vertical	10	1.50	-
2412MHz	Pass	AV	4.82402G	44.87	54.00	-9.13	3	Horizontal	6	1.06	-
2412MHz	Pass	PK	4.82403G	51.13	74.00	-22.87	3	Horizontal	6	1.06	-
2417MHz	Pass	AV	2.3866G	46.16	54.00	-7.84	3	Vertical	170	1.94	-
2417MHz	Pass	AV	2.4152G	107.39	Inf	-Inf	3	Vertical	170	1.94	-
2417MHz	Pass	PK	2.3884G	58.00	74.00	-16.00	3	Vertical	170	1.94	-
2417MHz	Pass	PK	2.4154G	109.17	Inf	-Inf	3	Vertical	170	1.94	-
2417MHz	Pass	AV	2.39G	50.93	54.00	-3.07	3	Horizontal	35	2.77	-
2417MHz	Pass	AV	2.4178G	114.07	Inf	-Inf	3	Horizontal	35	2.77	-
2417MHz	Pass	PK	2.3898G	59.78	74.00	-14.22	3	Horizontal	35	2.77	-
2417MHz	Pass	PK	2.4178G	116.40	Inf	-Inf	3	Horizontal	35	2.77	-
2417MHz	Pass	AV	4.834G	44.71	54.00	-9.29	3	Vertical	20	2.25	-
2417MHz	Pass	PK	4.83392G	50.59	74.00	-23.41	3	Vertical	20	2.25	-
2417MHz	Pass	AV	4.834G	53.50	54.00	-0.50	3	Horizontal	29	2.35	-
2417MHz	Pass	PK	4.83396G	56.21	74.00	-17.79	3	Horizontal	29	2.35	-
2437MHz	Pass	AV	2.3898G	47.07	54.00	-6.93	3	Vertical	166	1.85	-
2437MHz	Pass	AV	2.4378G	109.26	Inf	-Inf	3	Vertical	166	1.85	-
2437MHz	Pass	AV	2.4862G	47.63	54.00	-6.37	3	Vertical	166	1.85	-
2437MHz	Pass	PK	2.3878G	57.89	74.00	-16.11	3	Vertical	166	1.85	-
2437MHz	Pass	PK	2.4378G	111.43	Inf	-Inf	3	Vertical	166	1.85	-
2437MHz	Pass	PK	2.497G	58.33	74.00	-15.67	3	Vertical	166	1.85	-
2437MHz	Pass	AV	2.3882G	49.87	54.00	-4.13	3	Horizontal	38	2.18	-
2437MHz	Pass	AV	2.4354G	113.62	Inf	-Inf	3	Horizontal	38	2.18	-
2437MHz	Pass	AV	2.4842G	50.99	54.00	-3.01	3	Horizontal	38	2.18	-
2437MHz	Pass	PK	2.3882G	59.84	74.00	-14.16	3	Horizontal	38	2.18	-
2437MHz	Pass	PK	2.4342G	115.91	Inf	-Inf	3	Horizontal	38	2.18	-
2437MHz	Pass	PK	2.4835G	60.73	74.00	-13.27	3	Horizontal	38	2.18	-
2437MHz	Pass	AV	4.87404G	48.19	54.00	-5.81	3	Vertical	19	2.96	-
2437MHz	Pass	PK	4.87399G	52.87	74.00	-21.13	3	Vertical	19	2.96	-
2437MHz	Pass	AV	4.87401G	53.89	54.00	-0.11	3	Horizontal	30	1.72	-
2437MHz	Pass	PK	4.87402G	56.64	74.00	-17.36	3	Horizontal	30	1.72	-
2457MHz	Pass	AV	2.4582G	106.85	Inf	-Inf	3	Vertical	169	1.87	-
2457MHz	Pass	AV	2.4838G	49.10	54.00	-4.90	3	Vertical	169	1.87	-
2457MHz	Pass	PK	2.4578G	109.05	Inf	-Inf	3	Vertical	169	1.87	-
2457MHz	Pass	PK	2.484G	58.98	74.00	-15.02	3	Vertical	169	1.87	-
2457MHz	Pass	AV	2.4552G	113.46	Inf	-Inf	3	Horizontal	41	2.74	-
2457MHz	Pass	AV	2.4856G	53.13	54.00	-0.87	3	Horizontal	41	2.74	-
2457MHz	Pass	PK	2.4554G	115.38	Inf	-Inf	3	Horizontal	41	2.74	-
2457MHz	Pass	PK	2.4835G	60.97	74.00	-13.03	3	Horizontal	41	2.74	-
2457MHz	Pass	AV	4.91404G	41.52	54.00	-12.48	3	Vertical	327	2.77	-
2457MHz	Pass	PK	4.91388G	47.86	74.00	-26.14	3	Vertical	327	2.77	-
2457MHz	Pass	AV	4.91404G	49.48	54.00	-4.52	3	Horizontal	29	2.08	-
2457MHz	Pass	PK	4.91404G	52.79	74.00	-21.21	3	Horizontal	29	2.08	-
2462MHz	Pass	AV	2.4628G	107.54	Inf	-Inf	3	Vertical	200	2.02	-
2462MHz	Pass	AV	2.4878G	48.56	54.00	-5.44	3	Vertical	200	2.02	-
2462MHz	Pass	PK	2.4628G	109.74	Inf	-Inf	3	Vertical	200	2.02	-
2462MHz	Pass	PK	2.4886G	58.58	74.00	-15.42	3	Vertical	200	2.02	-
2462MHz	Pass	AV	2.4628G	114.23	Inf	-Inf	3	Horizontal	48	2.40	-
2462MHz	Pass	AV	2.4878G	53.80	54.00	-0.20	3	Horizontal	48	2.40	-
2462MHz	Pass	PK	2.4628G	116.58	Inf	-Inf	3	Horizontal	48	2.40	-
2462MHz	Pass	PK	2.488G	61.95	74.00	-12.05	3	Horizontal	48	2.40	-

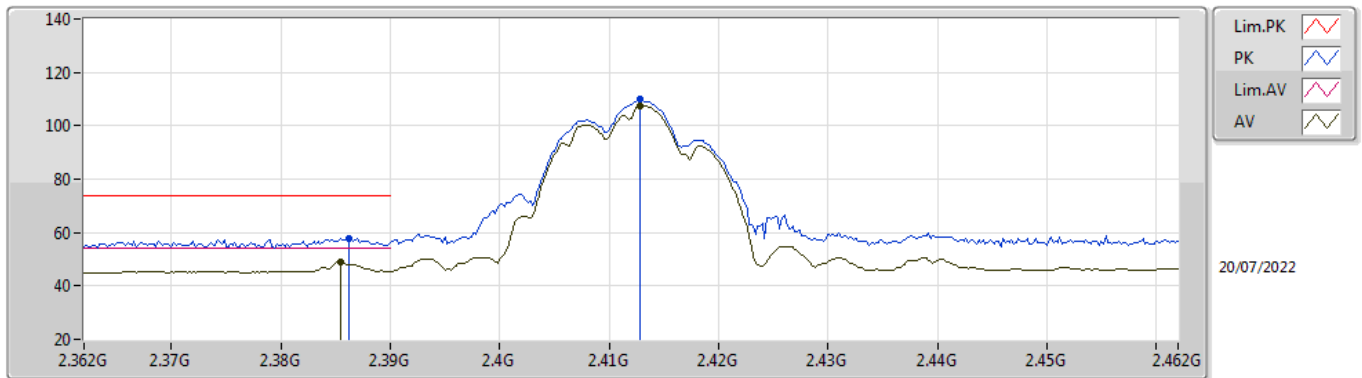
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	4.924G	40.31	54.00	-13.69	3	Vertical	329	2.70	-
2462MHz	Pass	PK	4.92404G	48.16	74.00	-25.84	3	Vertical	329	2.70	-
2462MHz	Pass	AV	4.924G	48.15	54.00	-5.85	3	Horizontal	26	2.11	-
2462MHz	Pass	PK	4.924G	52.19	74.00	-21.81	3	Horizontal	26	2.11	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3884G	48.96	54.00	-5.04	3	Vertical	18	1.00	-
2412MHz	Pass	AV	2.4126G	109.40	Inf	-Inf	3	Vertical	18	1.00	-
2412MHz	Pass	PK	2.3886G	60.65	74.00	-13.35	3	Vertical	18	1.00	-
2412MHz	Pass	PK	2.4128G	116.94	Inf	-Inf	3	Vertical	18	1.00	-
2412MHz	Pass	AV	2.39G	52.03	54.00	-1.97	3	Horizontal	48	2.73	-
2412MHz	Pass	AV	2.4104G	112.67	Inf	-Inf	3	Horizontal	48	2.73	-
2412MHz	Pass	PK	2.3896G	64.62	74.00	-9.38	3	Horizontal	48	2.73	-
2412MHz	Pass	PK	2.4102G	120.94	Inf	-Inf	3	Horizontal	48	2.73	-
2412MHz	Pass	AV	4.82405G	40.45	54.00	-13.55	3	Vertical	0	1.04	-
2412MHz	Pass	PK	4.82405G	49.51	74.00	-24.49	3	Vertical	0	1.04	-
2412MHz	Pass	AV	4.82399G	42.44	54.00	-11.56	3	Horizontal	339	2.26	-
2412MHz	Pass	PK	4.82414G	50.31	74.00	-23.69	3	Horizontal	339	2.26	-
2437MHz	Pass	AV	2.387G	47.21	54.00	-6.79	3	Vertical	165	1.83	-
2437MHz	Pass	AV	2.4362G	104.45	Inf	-Inf	3	Vertical	165	1.83	-
2437MHz	Pass	AV	2.4835G	47.76	54.00	-6.24	3	Vertical	165	1.83	-
2437MHz	Pass	PK	2.387G	58.78	74.00	-15.22	3	Vertical	165	1.83	-
2437MHz	Pass	PK	2.4358G	112.16	Inf	-Inf	3	Vertical	165	1.83	-
2437MHz	Pass	PK	2.4835G	58.10	74.00	-15.90	3	Vertical	165	1.83	-
2437MHz	Pass	AV	2.389G	49.86	54.00	-4.14	3	Horizontal	51	2.18	-
2437MHz	Pass	AV	2.4378G	111.55	Inf	-Inf	3	Horizontal	51	2.18	-
2437MHz	Pass	AV	2.4835G	51.14	54.00	-2.86	3	Horizontal	51	2.18	-
2437MHz	Pass	PK	2.389G	62.28	74.00	-11.72	3	Horizontal	51	2.18	-
2437MHz	Pass	PK	2.4378G	119.11	Inf	-Inf	3	Horizontal	51	2.18	-
2437MHz	Pass	PK	2.4835G	62.52	74.00	-11.48	3	Horizontal	51	2.18	-
2437MHz	Pass	AV	4.87403G	38.74	54.00	-15.26	3	Vertical	0	1.00	-
2437MHz	Pass	PK	4.87388G	50.41	74.00	-23.59	3	Vertical	0	1.00	-
2437MHz	Pass	AV	4.87405G	41.54	54.00	-12.46	3	Horizontal	340	1.29	-
2437MHz	Pass	PK	4.87431G	53.59	74.00	-20.41	3	Horizontal	340	1.29	-
2457MHz	Pass	AV	2.458G	104.69	Inf	-Inf	3	Vertical	154	2.06	-
2457MHz	Pass	AV	2.4835G	49.48	54.00	-4.52	3	Vertical	154	2.06	-
2457MHz	Pass	PK	2.4582G	112.55	Inf	-Inf	3	Vertical	154	2.06	-
2457MHz	Pass	PK	2.4844G	60.84	74.00	-13.16	3	Vertical	154	2.06	-
2457MHz	Pass	AV	2.46G	111.62	Inf	-Inf	3	Horizontal	46	2.29	-
2457MHz	Pass	AV	2.4846G	53.61	54.00	-0.39	3	Horizontal	46	2.29	-
2457MHz	Pass	PK	2.4552G	120.04	Inf	-Inf	3	Horizontal	46	2.29	-
2457MHz	Pass	PK	2.4848G	65.21	74.00	-8.79	3	Horizontal	46	2.29	-
2462MHz	Pass	AV	2.463G	105.00	Inf	-Inf	3	Vertical	4	1.11	-
2462MHz	Pass	AV	2.4835G	51.78	54.00	-2.22	3	Vertical	4	1.11	-
2462MHz	Pass	PK	2.4634G	113.08	Inf	-Inf	3	Vertical	4	1.11	-
2462MHz	Pass	PK	2.4844G	62.74	74.00	-11.26	3	Vertical	4	1.11	-
2462MHz	Pass	AV	2.4612G	112.80	Inf	-Inf	3	Horizontal	49	2.75	-
2462MHz	Pass	AV	2.4835G	53.88	54.00	-0.12	3	Horizontal	49	2.75	-
2462MHz	Pass	PK	2.461G	120.12	Inf	-Inf	3	Horizontal	49	2.75	-
2462MHz	Pass	PK	2.4866G	65.59	74.00	-8.41	3	Horizontal	49	2.75	-
2462MHz	Pass	AV	4.92406G	40.37	54.00	-13.63	3	Vertical	360	1.00	-
2462MHz	Pass	PK	4.92407G	49.99	74.00	-24.01	3	Vertical	360	1.00	-
2462MHz	Pass	AV	4.92401G	41.90	54.00	-12.10	3	Horizontal	343	1.88	-
2462MHz	Pass	PK	4.92399G	49.68	74.00	-24.32	3	Horizontal	343	1.88	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	46.57	54.00	-7.43	3	Vertical	156	1.77	-
2412MHz	Pass	AV	2.4134G	102.67	Inf	-Inf	3	Vertical	156	1.77	-
2412MHz	Pass	PK	2.3894G	57.73	74.00	-16.27	3	Vertical	156	1.77	-
2412MHz	Pass	PK	2.414G	113.33	Inf	-Inf	3	Vertical	156	1.77	-
2412MHz	Pass	AV	2.3896G	53.88	54.00	-0.12	3	Horizontal	50	2.53	-
2412MHz	Pass	AV	2.4096G	110.78	Inf	-Inf	3	Horizontal	50	2.53	-
2412MHz	Pass	PK	2.3892G	64.95	74.00	-9.05	3	Horizontal	50	2.53	-
2412MHz	Pass	PK	2.4096G	121.39	Inf	-Inf	3	Horizontal	50	2.53	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	4.82404G	39.12	54.00	-14.88	3	Vertical	18	1.82	-
2412MHz	Pass	PK	4.82418G	48.76	74.00	-25.24	3	Vertical	18	1.82	-
2412MHz	Pass	AV	4.82401G	42.86	54.00	-11.14	3	Horizontal	341	1.32	-
2412MHz	Pass	PK	4.82401G	50.76	74.00	-23.24	3	Horizontal	341	1.32	-
2417MHz	Pass	AV	2.39G	46.25	54.00	-7.75	3	Vertical	158	1.79	-
2417MHz	Pass	AV	2.4184G	102.74	Inf	-Inf	3	Vertical	158	1.79	-
2417MHz	Pass	PK	2.3866G	57.32	74.00	-16.68	3	Vertical	158	1.79	-
2417MHz	Pass	PK	2.4188G	114.44	Inf	-Inf	3	Vertical	158	1.79	-
2417MHz	Pass	AV	2.39G	49.20	54.00	-4.80	3	Horizontal	46	2.76	-
2417MHz	Pass	AV	2.4144G	110.93	Inf	-Inf	3	Horizontal	46	2.76	-
2417MHz	Pass	PK	2.3878G	61.89	74.00	-12.11	3	Horizontal	46	2.76	-
2417MHz	Pass	PK	2.4144G	122.07	Inf	-Inf	3	Horizontal	46	2.76	-
2437MHz	Pass	AV	2.3898G	50.23	54.00	-3.77	3	Vertical	158	1.85	-
2437MHz	Pass	AV	2.4386G	101.48	Inf	-Inf	3	Vertical	158	1.85	-
2437MHz	Pass	AV	2.4835G	50.54	54.00	-3.46	3	Vertical	158	1.85	-
2437MHz	Pass	PK	2.3882G	62.07	74.00	-11.93	3	Vertical	158	1.85	-
2437MHz	Pass	PK	2.439G	113.47	Inf	-Inf	3	Vertical	158	1.85	-
2437MHz	Pass	PK	2.4838G	64.94	74.00	-9.06	3	Vertical	158	1.85	-
2437MHz	Pass	AV	2.3898G	51.86	54.00	-2.14	3	Horizontal	318	2.16	-
2437MHz	Pass	AV	2.4378G	108.98	Inf	-Inf	3	Horizontal	318	2.16	-
2437MHz	Pass	AV	2.4835G	53.05	54.00	-0.95	3	Horizontal	318	2.16	-
2437MHz	Pass	PK	2.3898G	65.29	74.00	-8.71	3	Horizontal	318	2.16	-
2437MHz	Pass	PK	2.4386G	119.13	Inf	-Inf	3	Horizontal	318	2.16	-
2437MHz	Pass	PK	2.4838G	66.07	74.00	-7.93	3	Horizontal	318	2.16	-
2437MHz	Pass	AV	4.87404G	38.35	54.00	-15.65	3	Vertical	15	1.68	-
2437MHz	Pass	PK	4.874G	52.19	74.00	-21.81	3	Vertical	15	1.68	-
2437MHz	Pass	AV	4.87404G	42.17	54.00	-11.83	3	Horizontal	342	1.33	-
2437MHz	Pass	PK	4.87456G	56.48	74.00	-17.52	3	Horizontal	342	1.33	-
2457MHz	Pass	AV	2.4562G	105.75	Inf	-Inf	3	Vertical	25	1.08	-
2457MHz	Pass	AV	2.4835G	52.23	54.00	-1.77	3	Vertical	25	1.08	-
2457MHz	Pass	PK	2.4576G	117.32	Inf	-Inf	3	Vertical	25	1.08	-
2457MHz	Pass	PK	2.4856G	65.97	74.00	-8.03	3	Vertical	25	1.08	-
2457MHz	Pass	AV	2.4584G	110.89	Inf	-Inf	3	Horizontal	317	1.00	-
2457MHz	Pass	AV	2.4835G	53.85	54.00	-0.15	3	Horizontal	317	1.00	-
2457MHz	Pass	PK	2.4584G	121.18	Inf	-Inf	3	Horizontal	317	1.00	-
2457MHz	Pass	PK	2.4835G	69.15	74.00	-4.85	3	Horizontal	317	1.00	-
2462MHz	Pass	AV	2.4626G	104.14	Inf	-Inf	3	Vertical	27	1.10	-
2462MHz	Pass	AV	2.4835G	51.70	54.00	-2.30	3	Vertical	27	1.10	-
2462MHz	Pass	PK	2.4634G	115.32	Inf	-Inf	3	Vertical	27	1.10	-
2462MHz	Pass	PK	2.4835G	63.59	74.00	-10.41	3	Vertical	27	1.10	-
2462MHz	Pass	AV	2.4642G	109.41	Inf	-Inf	3	Horizontal	44	2.76	-
2462MHz	Pass	AV	2.4846G	53.74	54.00	-0.26	3	Horizontal	44	2.76	-
2462MHz	Pass	PK	2.4654G	119.98	Inf	-Inf	3	Horizontal	44	2.76	-
2462MHz	Pass	PK	2.4848G	65.85	74.00	-8.15	3	Horizontal	44	2.76	-
2462MHz	Pass	AV	4.924G	39.57	54.00	-14.43	3	Vertical	0	1.00	-
2462MHz	Pass	PK	4.92386G	48.58	74.00	-25.42	3	Vertical	0	1.00	-
2462MHz	Pass	AV	4.92399G	40.44	54.00	-13.56	3	Horizontal	347	1.73	-
2462MHz	Pass	PK	4.92416G	49.23	74.00	-24.77	3	Horizontal	347	1.73	-
802.11ax HEW40_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	50.43	54.00	-3.57	3	Vertical	28	1.10	-
2422MHz	Pass	AV	2.4208G	98.62	Inf	-Inf	3	Vertical	28	1.10	-
2422MHz	Pass	AV	2.4835G	46.32	54.00	-7.68	3	Vertical	28	1.10	-
2422MHz	Pass	PK	2.39G	61.94	74.00	-12.06	3	Vertical	28	1.10	-
2422MHz	Pass	PK	2.4212G	109.34	Inf	-Inf	3	Vertical	28	1.10	-
2422MHz	Pass	PK	2.4892G	57.70	74.00	-16.30	3	Vertical	28	1.10	-
2422MHz	Pass	AV	2.3896G	53.32	54.00	-0.68	3	Horizontal	48	2.65	-
2422MHz	Pass	AV	2.4188G	106.12	Inf	-Inf	3	Horizontal	48	2.65	-
2422MHz	Pass	AV	2.4856G	47.86	54.00	-6.14	3	Horizontal	48	2.65	-
2422MHz	Pass	PK	2.3892G	63.90	74.00	-10.10	3	Horizontal	48	2.65	-
2422MHz	Pass	PK	2.4188G	117.44	Inf	-Inf	3	Horizontal	48	2.65	-
2422MHz	Pass	PK	2.4888G	59.13	74.00	-14.87	3	Horizontal	48	2.65	-
2422MHz	Pass	AV	4.84396G	40.03	54.00	-13.97	3	Vertical	1	1.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	PK	4.84399G	49.50	74.00	-24.50	3	Vertical	1	1.00	-
2422MHz	Pass	AV	4.84404G	42.64	54.00	-11.36	3	Horizontal	338	1.03	-
2422MHz	Pass	PK	4.84407G	50.31	74.00	-23.69	3	Horizontal	338	1.03	-
2427MHz	Pass	AV	2.3898G	49.73	54.00	-4.27	3	Vertical	16	1.00	-
2427MHz	Pass	AV	2.4242G	99.55	Inf	-Inf	3	Vertical	16	1.00	-
2427MHz	Pass	AV	2.4835G	46.88	54.00	-7.12	3	Vertical	16	1.00	-
2427MHz	Pass	PK	2.3898G	62.37	74.00	-11.63	3	Vertical	16	1.00	-
2427MHz	Pass	PK	2.425G	109.70	Inf	-Inf	3	Vertical	16	1.00	-
2427MHz	Pass	PK	2.4846G	58.52	74.00	-15.48	3	Vertical	16	1.00	-
2427MHz	Pass	AV	2.389G	53.54	54.00	-0.46	3	Horizontal	57	2.85	-
2427MHz	Pass	AV	2.4278G	106.79	Inf	-Inf	3	Horizontal	57	2.85	-
2427MHz	Pass	AV	2.4838G	48.48	54.00	-5.52	3	Horizontal	57	2.85	-
2427MHz	Pass	PK	2.3874G	64.93	74.00	-9.07	3	Horizontal	57	2.85	-
2427MHz	Pass	PK	2.4282G	117.36	Inf	-Inf	3	Horizontal	57	2.85	-
2427MHz	Pass	PK	2.4882G	59.58	74.00	-14.42	3	Horizontal	57	2.85	-
2437MHz	Pass	AV	2.387G	47.46	54.00	-6.54	3	Vertical	175	1.63	-
2437MHz	Pass	AV	2.4358G	98.14	Inf	-Inf	3	Vertical	175	1.63	-
2437MHz	Pass	AV	2.4838G	49.93	54.00	-4.07	3	Vertical	175	1.63	-
2437MHz	Pass	PK	2.3846G	58.09	74.00	-15.91	3	Vertical	175	1.63	-
2437MHz	Pass	PK	2.4362G	108.41	Inf	-Inf	3	Vertical	175	1.63	-
2437MHz	Pass	PK	2.4862G	60.42	74.00	-13.58	3	Vertical	175	1.63	-
2437MHz	Pass	AV	2.3898G	53.85	54.00	-0.15	3	Horizontal	59	2.03	-
2437MHz	Pass	AV	2.4378G	106.43	Inf	-Inf	3	Horizontal	59	2.03	-
2437MHz	Pass	AV	2.4835G	53.69	54.00	-0.31	3	Horizontal	59	2.03	-
2437MHz	Pass	PK	2.3898G	64.57	74.00	-9.43	3	Horizontal	59	2.03	-
2437MHz	Pass	PK	2.4382G	117.35	Inf	-Inf	3	Horizontal	59	2.03	-
2437MHz	Pass	PK	2.485G	63.97	74.00	-10.03	3	Horizontal	59	2.03	-
2437MHz	Pass	AV	4.87401G	37.83	54.00	-16.17	3	Vertical	0	1.87	-
2437MHz	Pass	PK	4.87422G	47.86	74.00	-26.14	3	Vertical	0	1.87	-
2437MHz	Pass	AV	4.87396G	40.95	54.00	-13.05	3	Horizontal	336	1.01	-
2437MHz	Pass	PK	4.87396G	49.50	74.00	-24.50	3	Horizontal	336	1.01	-
2447MHz	Pass	AV	2.3894G	45.55	54.00	-8.45	3	Vertical	187	1.50	-
2447MHz	Pass	AV	2.4442G	96.72	Inf	-Inf	3	Vertical	187	1.50	-
2447MHz	Pass	AV	2.4835G	50.29	54.00	-3.71	3	Vertical	187	1.50	-
2447MHz	Pass	PK	2.3786G	56.63	74.00	-17.37	3	Vertical	187	1.50	-
2447MHz	Pass	PK	2.453G	107.60	Inf	-Inf	3	Vertical	187	1.50	-
2447MHz	Pass	PK	2.4854G	61.72	74.00	-12.28	3	Vertical	187	1.50	-
2447MHz	Pass	AV	2.3894G	47.29	54.00	-6.71	3	Horizontal	58	2.23	-
2447MHz	Pass	AV	2.4478G	104.77	Inf	-Inf	3	Horizontal	58	2.23	-
2447MHz	Pass	AV	2.4858G	53.42	54.00	-0.58	3	Horizontal	58	2.23	-
2447MHz	Pass	PK	2.3894G	58.10	74.00	-15.90	3	Horizontal	58	2.23	-
2447MHz	Pass	PK	2.4482G	114.31	Inf	-Inf	3	Horizontal	58	2.23	-
2447MHz	Pass	PK	2.4866G	64.09	74.00	-9.91	3	Horizontal	58	2.23	-
2452MHz	Pass	AV	2.3854G	48.92	54.00	-5.08	3	Vertical	167	1.92	-
2452MHz	Pass	AV	2.4128G	107.49	Inf	-Inf	3	Vertical	167	1.92	-
2452MHz	Pass	PK	2.3862G	57.84	74.00	-16.16	3	Vertical	167	1.92	-
2452MHz	Pass	PK	2.4128G	109.82	Inf	-Inf	3	Vertical	167	1.92	-
2452MHz	Pass	AV	2.3834G	53.26	54.00	-0.74	3	Horizontal	36	2.74	-
2452MHz	Pass	AV	2.4102G	112.56	Inf	-Inf	3	Horizontal	36	2.74	-
2452MHz	Pass	PK	2.3836G	61.09	74.00	-12.91	3	Horizontal	36	2.74	-
2452MHz	Pass	PK	2.41G	114.48	Inf	-Inf	3	Horizontal	36	2.74	-
2452MHz	Pass	AV	4.82403G	40.20	54.00	-13.80	3	Vertical	10	1.50	-
2452MHz	Pass	PK	4.82392G	49.23	74.00	-24.77	3	Vertical	10	1.50	-
2452MHz	Pass	AV	4.82402G	44.87	54.00	-9.13	3	Horizontal	6	1.06	-
2452MHz	Pass	PK	4.82403G	51.13	74.00	-22.87	3	Horizontal	6	1.06	-

802.11b_Nss1,(1Mbps)_2TX

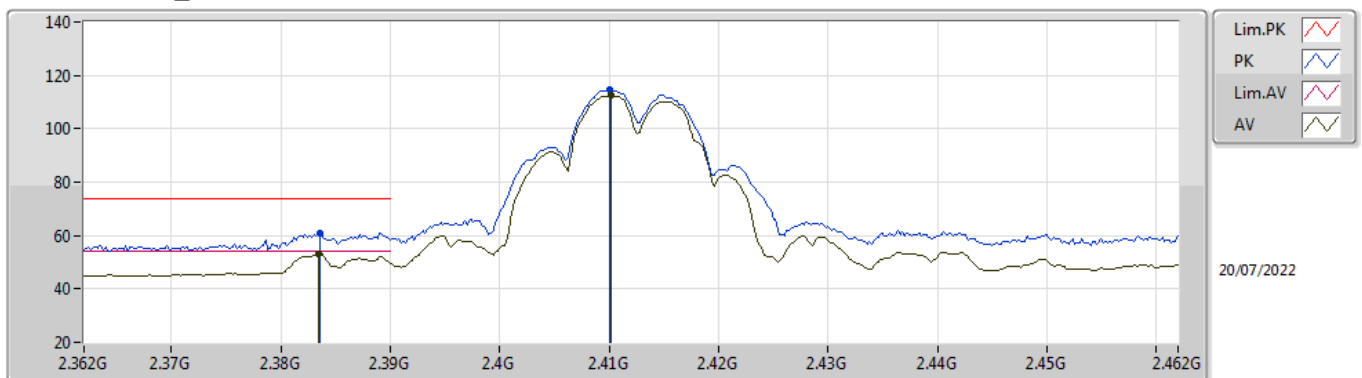
2412MHz_TX



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	2.3854G	48.92	54.00	-5.08	31.98	3	Vertical	167	1.92	-	16.94	27.41	4.57	-
AV	2.4128G	107.49	Inf	-Inf	32.12	3	Vertical	167	1.92	-	75.37	27.53	4.59	-
PK	2.3862G	57.84	74.00	-16.16	31.99	3	Vertical	167	1.92	-	25.85	27.42	4.57	-
PK	2.4128G	109.82	Inf	-Inf	32.12	3	Vertical	167	1.92	-	77.70	27.53	4.59	-

802.11b_Nss1,(1Mbps)_2TX

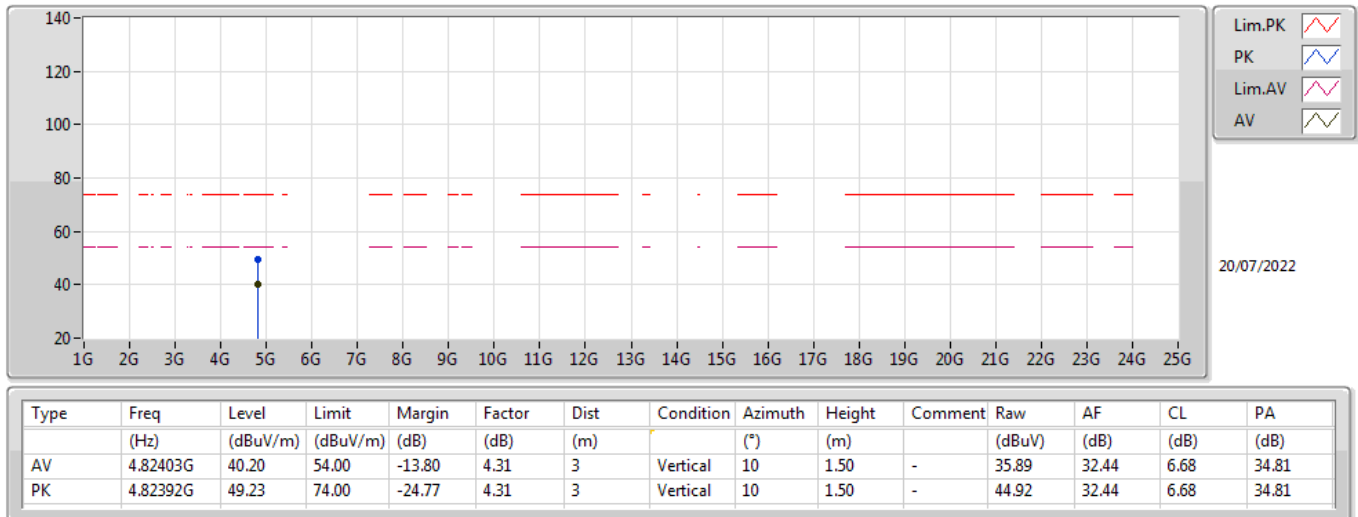
2412MHz_TX



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	2.3834G	53.26	54.00	-0.74	31.96	3	Horizontal	36	2.74	-	21.30	27.40	4.56	-
AV	2.4102G	112.56	Inf	-Inf	32.10	3	Horizontal	36	2.74	-	80.46	27.52	4.58	-
PK	2.3836G	61.09	74.00	-12.91	31.96	3	Horizontal	36	2.74	-	29.13	27.40	4.56	-
PK	2.41G	114.48	Inf	-Inf	32.10	3	Horizontal	36	2.74	-	82.38	27.52	4.58	-

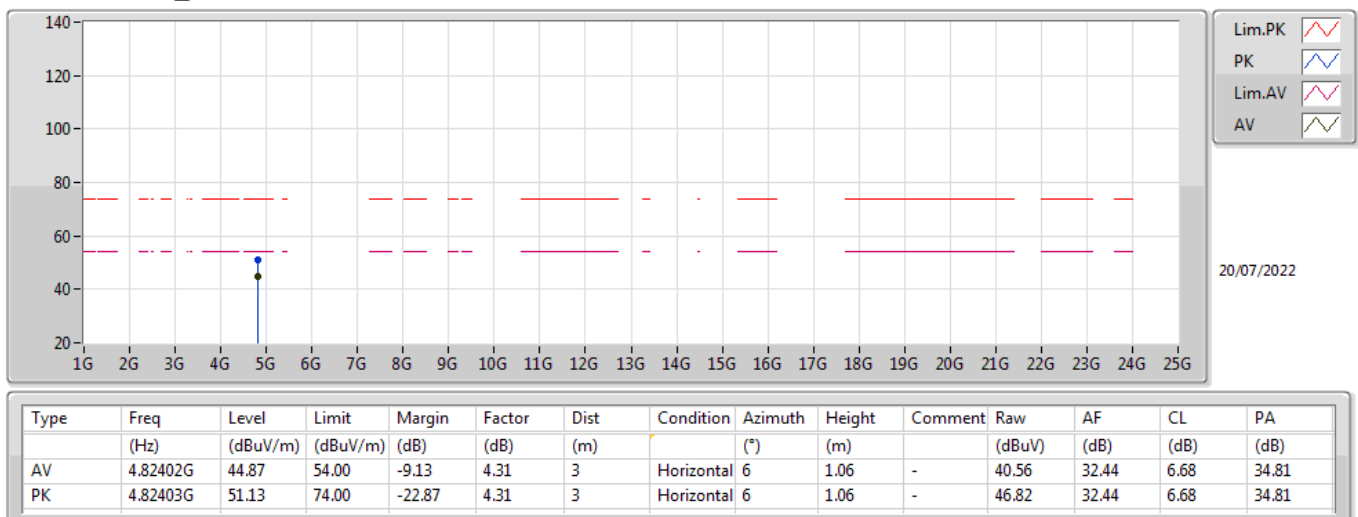
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2412MHz_TX



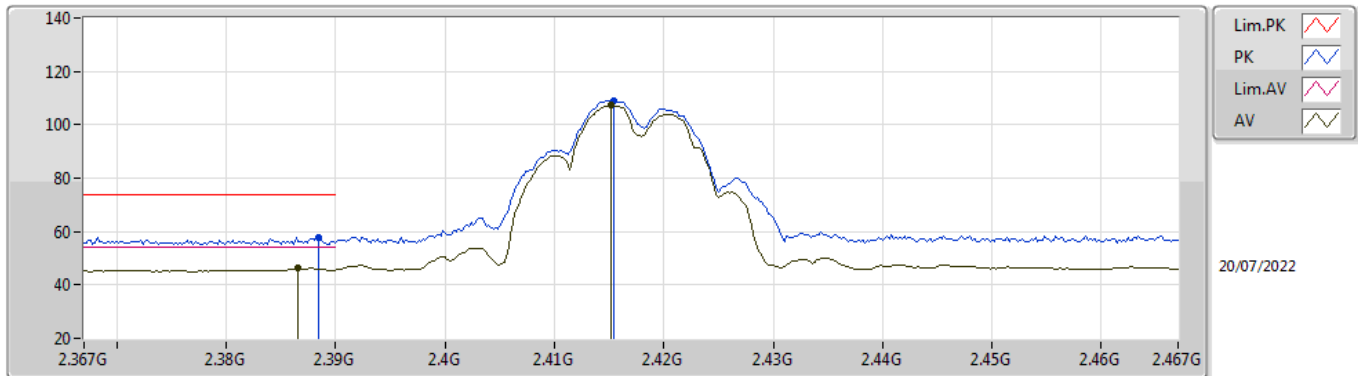
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2412MHz_TX



802.11b_Nss1,(1Mbps)_2TX

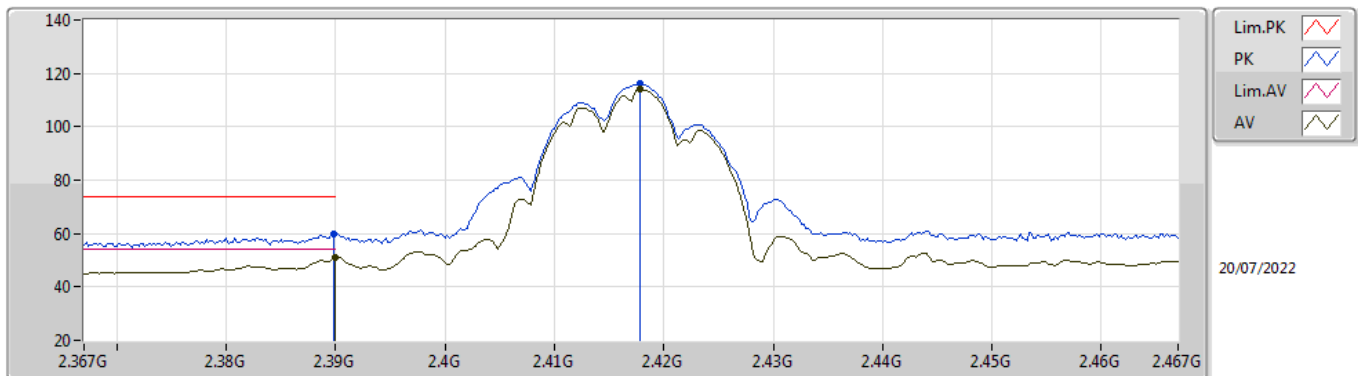
2417MHz_TX



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	2.3866G	46.16	54.00	-7.84	31.99	3	Vertical	170	1.94	-	14.17	27.42	4.57	-
AV	2.4152G	107.39	Inf	-Inf	32.12	3	Vertical	170	1.94	-	75.27	27.53	4.59	-
PK	2.3884G	58.00	74.00	-16.00	32.00	3	Vertical	170	1.94	-	26.00	27.43	4.57	-
PK	2.4154G	109.17	Inf	-Inf	32.12	3	Vertical	170	1.94	-	77.05	27.53	4.59	-

802.11b_Nss1,(1Mbps)_2TX

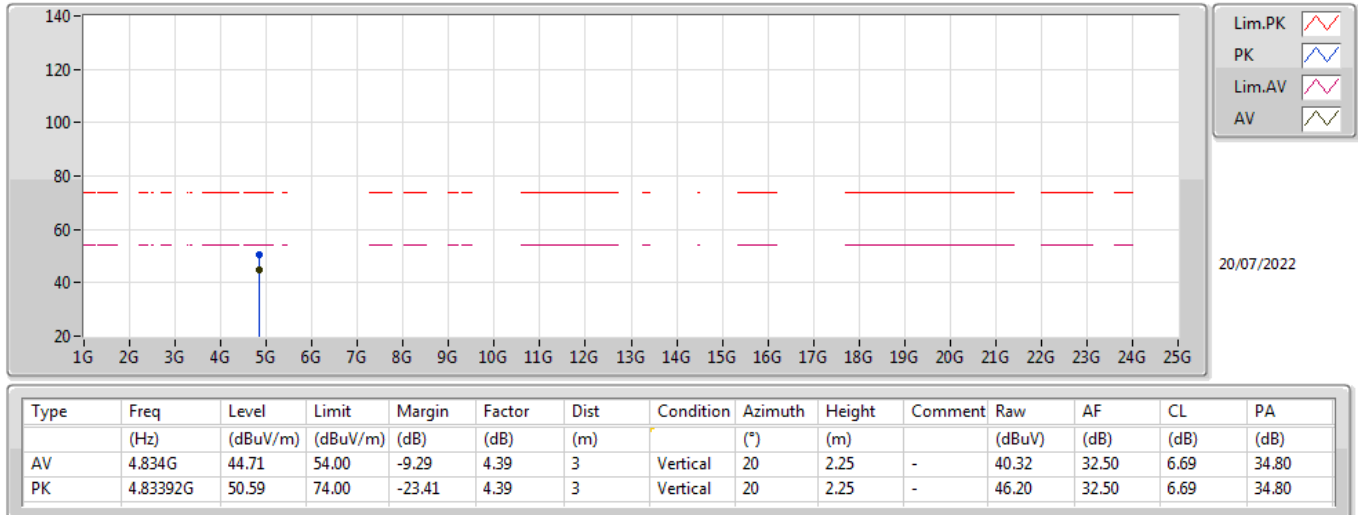
2417MHz_TX



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	50.93	54.00	-3.07	32.01	3	Horizontal	35	2.77	-	18.92	27.44	4.57	-
AV	2.4178G	114.07	Inf	-Inf	32.13	3	Horizontal	35	2.77	-	81.94	27.54	4.59	-
PK	2.3898G	59.78	74.00	-14.22	32.01	3	Horizontal	35	2.77	-	27.77	27.44	4.57	-
PK	2.4178G	116.40	Inf	-Inf	32.13	3	Horizontal	35	2.77	-	84.27	27.54	4.59	-

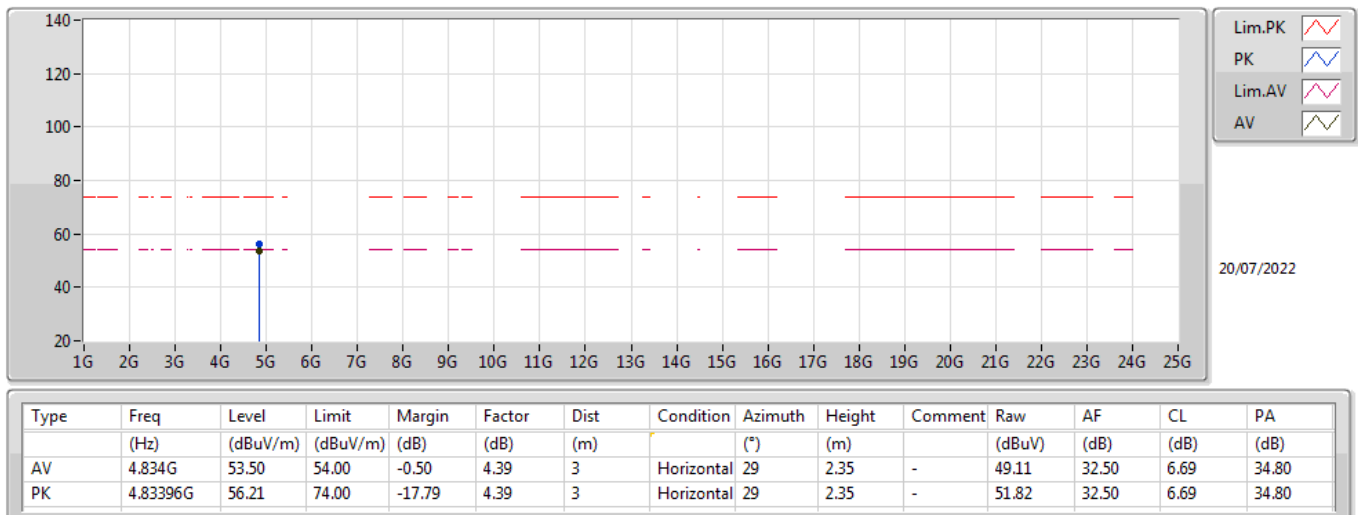
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2417MHz_TX



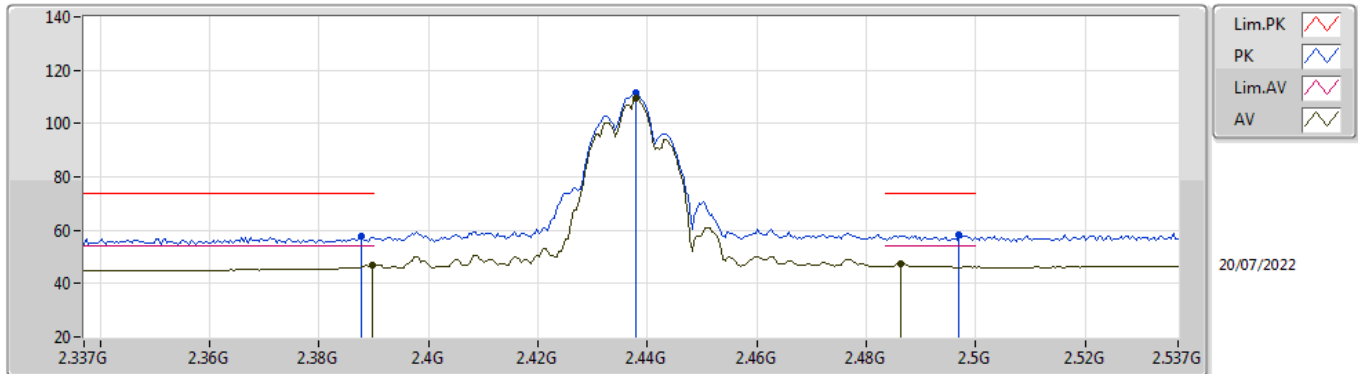
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2417MHz_TX



802.11b_Nss1,(1Mbps)_2TX

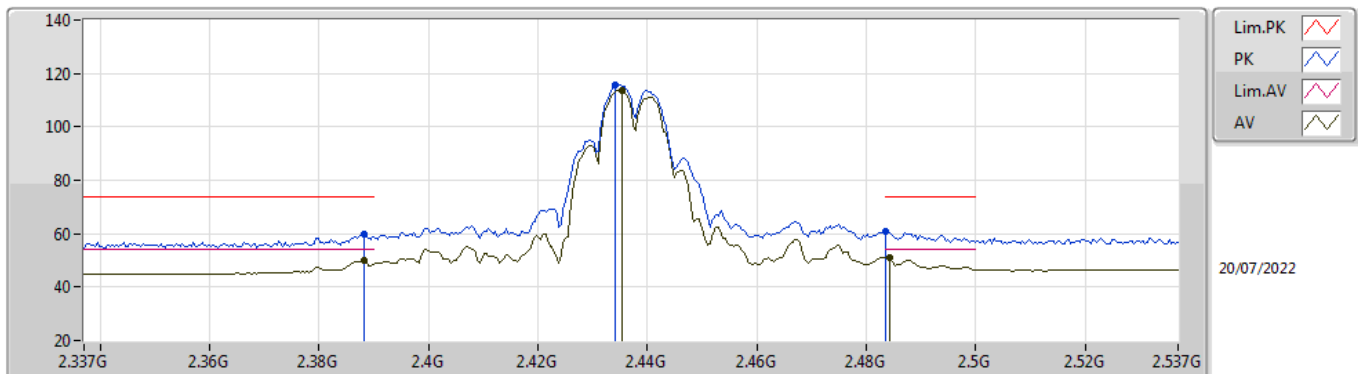
2437MHz_TX



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	2.3898G	47.07	54.00	-6.93	32.01	3	Vertical	166	1.85	-	15.06	27.44	4.57	-
AV	2.4378G	109.26	Inf	-Inf	32.18	3	Vertical	166	1.85	-	77.08	27.58	4.60	-
AV	2.4862G	47.63	54.00	-6.37	32.43	3	Vertical	166	1.85	-	15.20	27.82	4.61	-
PK	2.3878G	57.89	74.00	-16.11	32.00	3	Vertical	166	1.85	-	25.89	27.43	4.57	-
PK	2.4378G	111.43	Inf	-Inf	32.18	3	Vertical	166	1.85	-	79.25	27.58	4.60	-
PK	2.497G	58.33	74.00	-15.67	32.50	3	Vertical	166	1.85	-	25.83	27.88	4.62	-

802.11b_Nss1,(1Mbps)_2TX

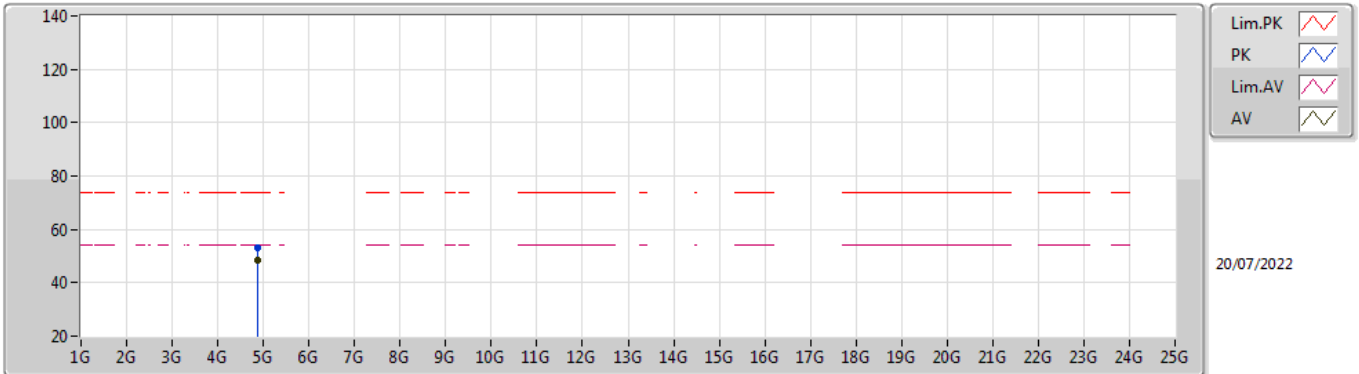
2437MHz_TX



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	2.3882G	49.87	54.00	-4.13	32.00	3	Horizontal	38	2.18	-	17.87	27.43	4.57	-
AV	2.4354G	113.62	Inf	-Inf	32.16	3	Horizontal	38	2.18	-	81.46	27.57	4.59	-
AV	2.4842G	50.99	54.00	-3.01	32.42	3	Horizontal	38	2.18	-	18.57	27.81	4.61	-
PK	2.3882G	59.84	74.00	-14.16	32.00	3	Horizontal	38	2.18	-	27.84	27.43	4.57	-
PK	2.4342G	115.91	Inf	-Inf	32.16	3	Horizontal	38	2.18	-	83.75	27.57	4.59	-
PK	2.4835G	60.73	74.00	-13.27	32.41	3	Horizontal	38	2.18	-	28.32	27.80	4.61	-

802.11b_Nss1,(1Mbps)_2TX

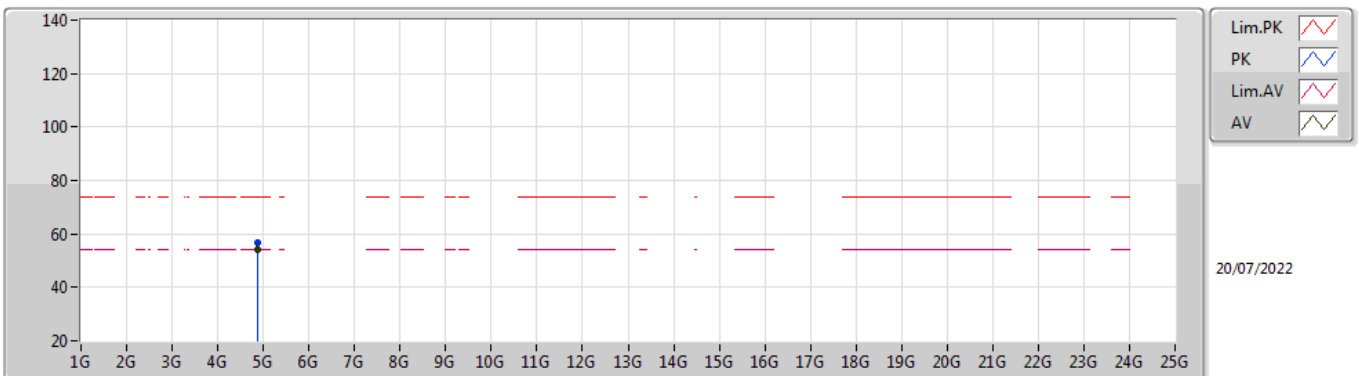
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87404G	48.19	54.00	-5.81	4.63	3	Vertical	19	2.96	-	43.56	32.70	6.72	34.79
PK	4.87399G	52.87	74.00	-21.13	4.63	3	Vertical	19	2.96	-	48.24	32.70	6.72	34.79

802.11b_Nss1,(1Mbps)_2TX

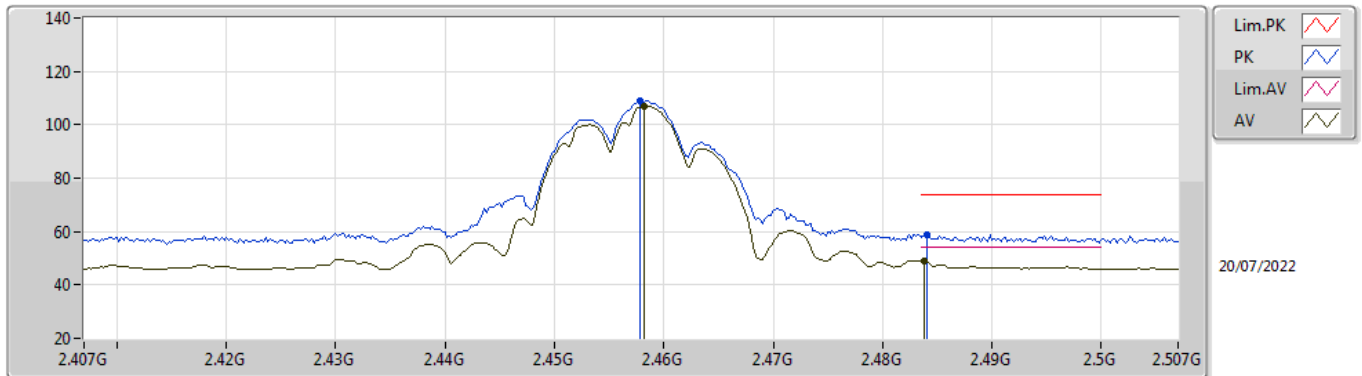
2437MHz_TX



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	4.87401G	53.89	54.00	-0.11	4.63	3	Horizontal	30	1.72	-	49.26	32.70	6.72	34.79
PK	4.87402G	56.64	74.00	-17.36	4.63	3	Horizontal	30	1.72	-	52.01	32.70	6.72	34.79

802.11b_Nss1,(1Mbps)_2TX

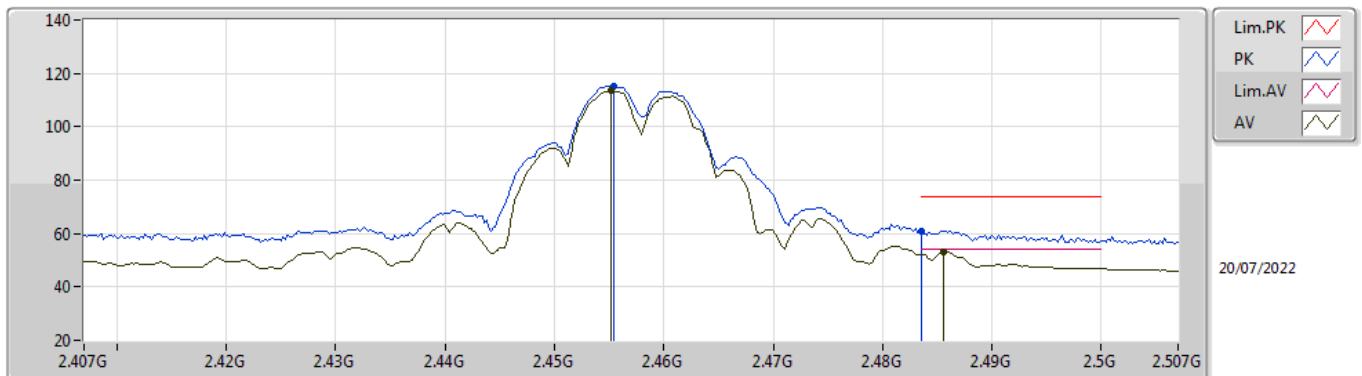
2457MHz_TX



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	2.4582G	106.85	Inf	-Inf	32.25	3	Vertical	169	1.87	-	74.60	27.65	4.60	-
AV	2.4838G	49.10	54.00	-4.90	32.41	3	Vertical	169	1.87	-	16.69	27.80	4.61	-
PK	2.4578G	109.05	Inf	-Inf	32.25	3	Vertical	169	1.87	-	76.80	27.65	4.60	-
PK	2.484G	58.98	74.00	-15.02	32.41	3	Vertical	169	1.87	-	26.57	27.80	4.61	-

802.11b_Nss1,(1Mbps)_2TX

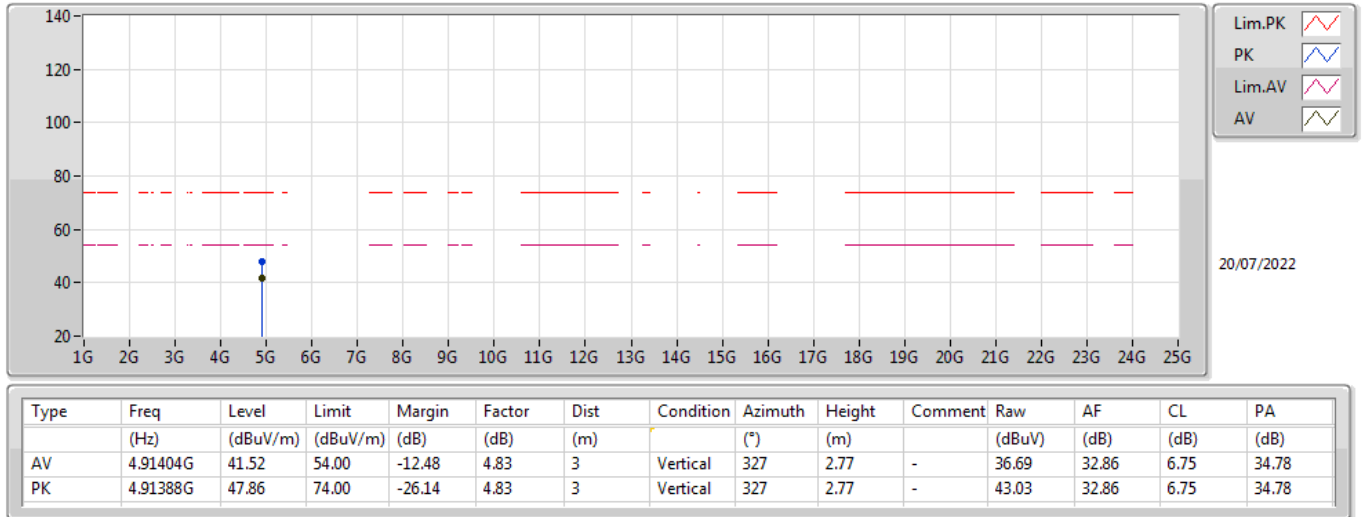
2457MHz_TX



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	2.4552G	113.46	Inf	-Inf	32.23	3	Horizontal	41	2.74	-	81.23	27.63	4.60	-
AV	2.4856G	53.13	54.00	-0.87	32.42	3	Horizontal	41	2.74	-	20.71	27.81	4.61	-
PK	2.4554G	115.38	Inf	-Inf	32.23	3	Horizontal	41	2.74	-	83.15	27.63	4.60	-
PK	2.4835G	60.97	74.00	-13.03	32.41	3	Horizontal	41	2.74	-	28.56	27.80	4.61	-

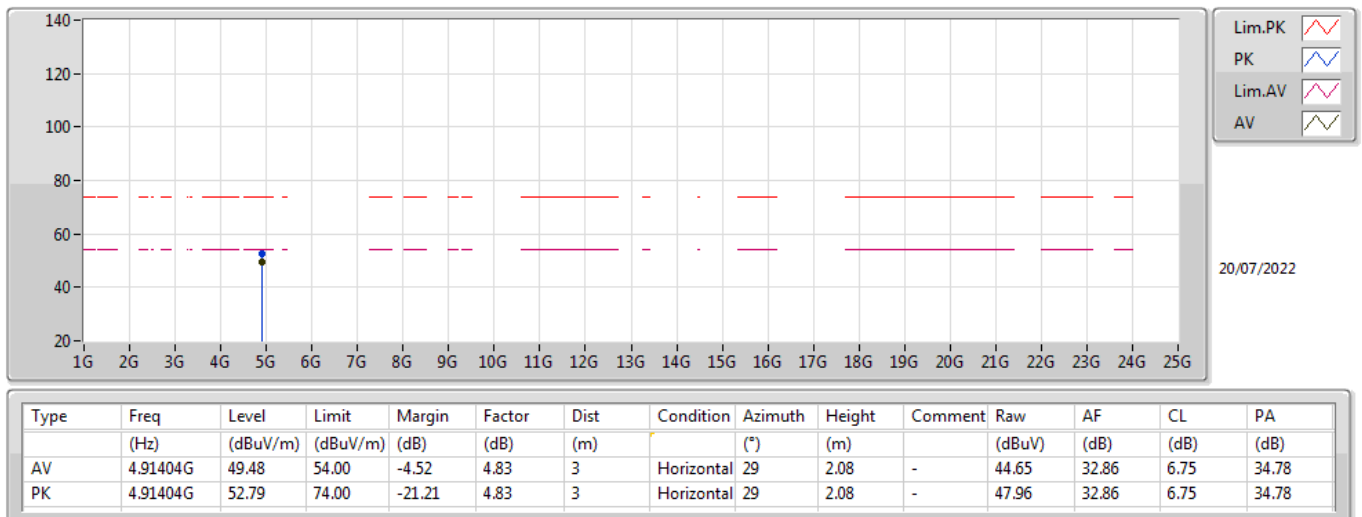
802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX



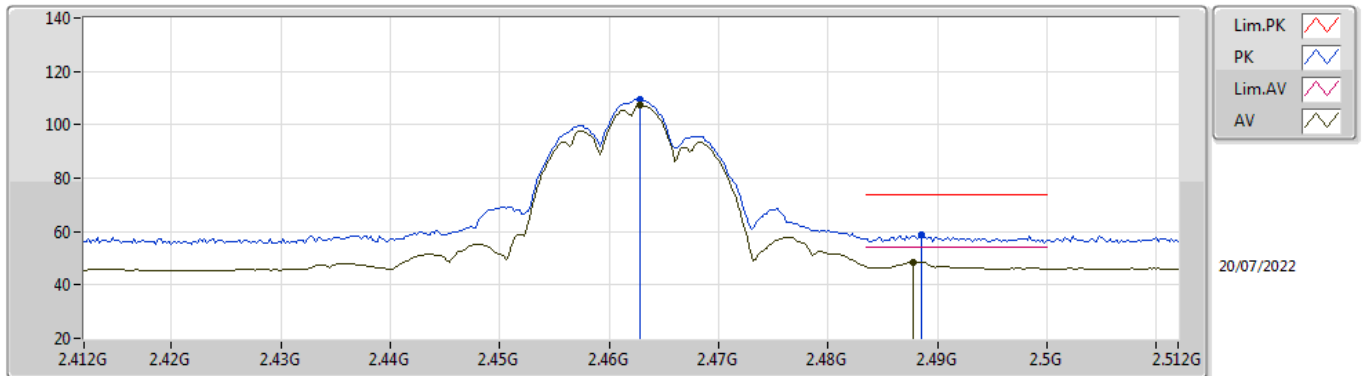
802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX



802.11b_Nss1,(1Mbps)_2TX

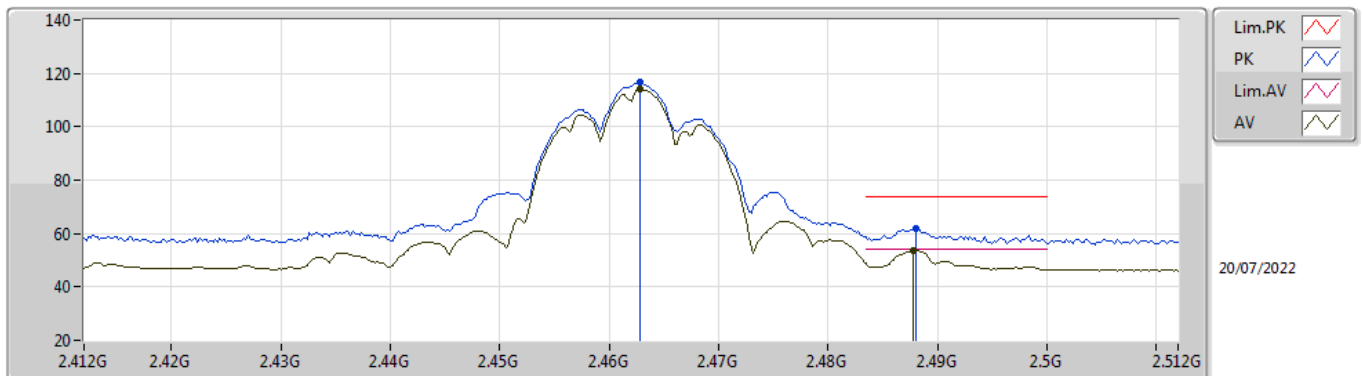
2462MHz_TX



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	2.4628G	107.54	Inf	-Inf	32.29	3	Vertical	200	2.02	-	75.25	27.68	4.61	-
AV	2.4878G	48.56	54.00	-5.44	32.45	3	Vertical	200	2.02	-	16.11	27.83	4.62	-
PK	2.4628G	109.74	Inf	-Inf	32.29	3	Vertical	200	2.02	-	77.45	27.68	4.61	-
PK	2.4886G	58.58	74.00	-15.42	32.45	3	Vertical	200	2.02	-	26.13	27.83	4.62	-

802.11b_Nss1,(1Mbps)_2TX

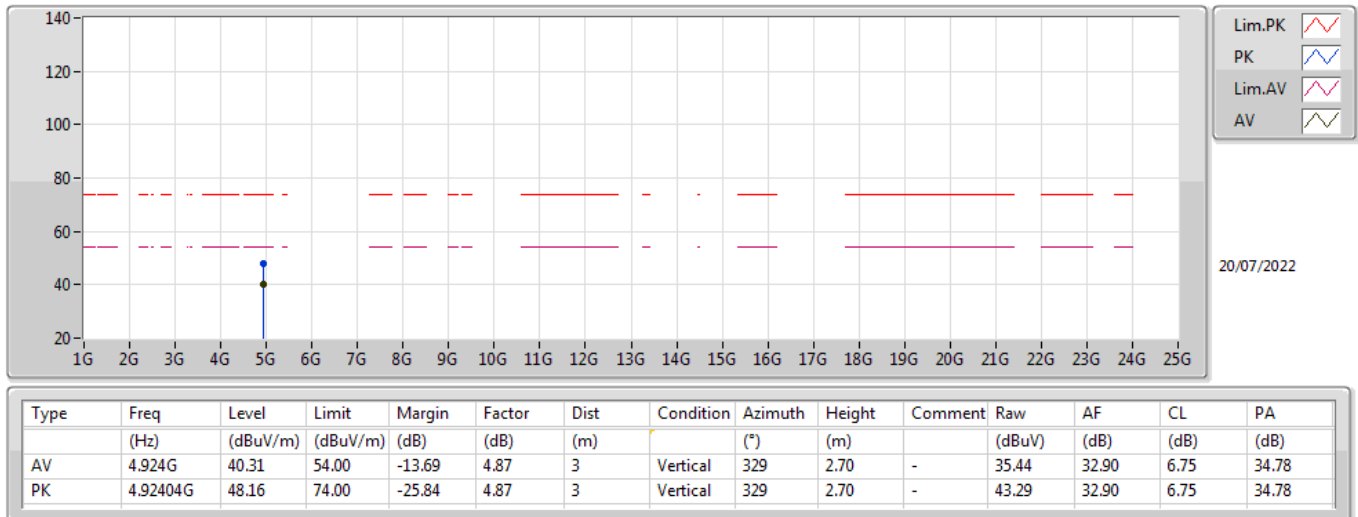
2462MHz_TX



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	2.4628G	114.23	Inf	-Inf	32.29	3	Horizontal	48	2.40	-	81.94	27.68	4.61	-
AV	2.4878G	53.80	54.00	-0.20	32.45	3	Horizontal	48	2.40	-	21.35	27.83	4.62	-
PK	2.4628G	116.58	Inf	-Inf	32.29	3	Horizontal	48	2.40	-	84.29	27.68	4.61	-
PK	2.488G	61.95	74.00	-12.05	32.45	3	Horizontal	48	2.40	-	29.50	27.83	4.62	-

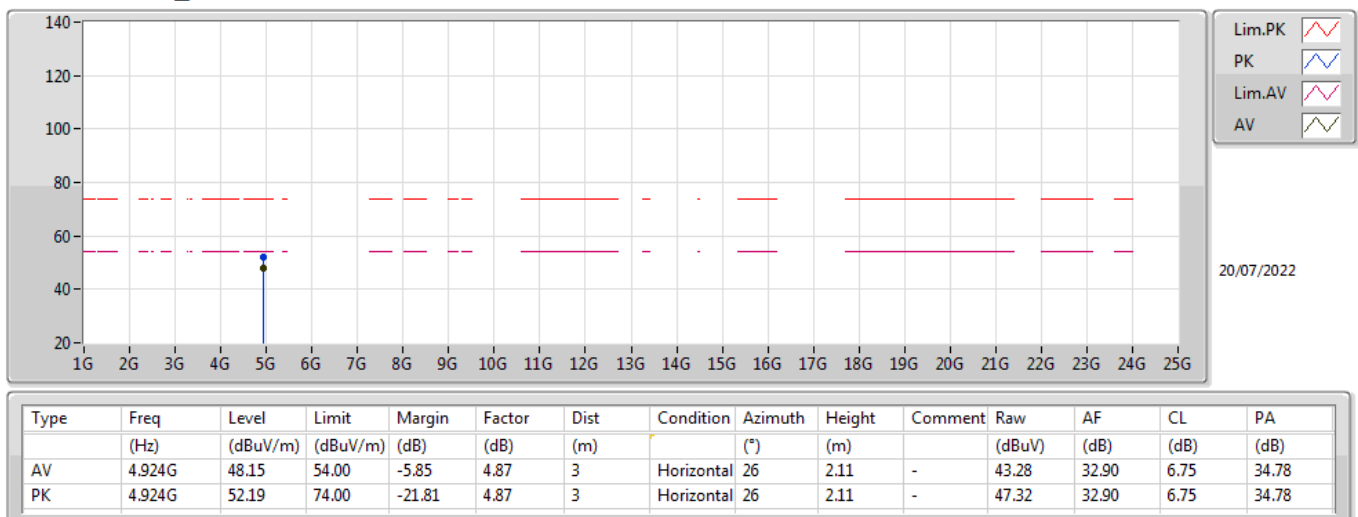
802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX



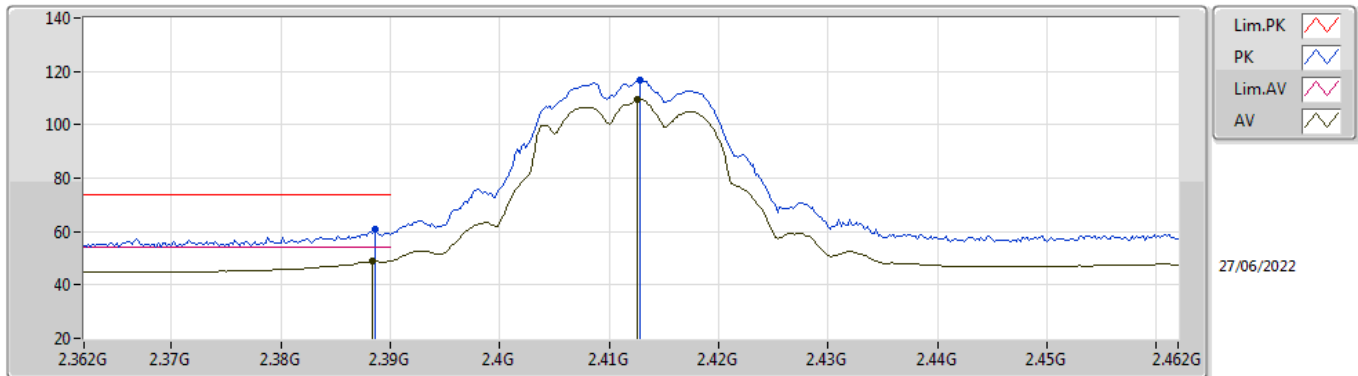
802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX



802.11g_Nss1,(6Mbps)_2TX

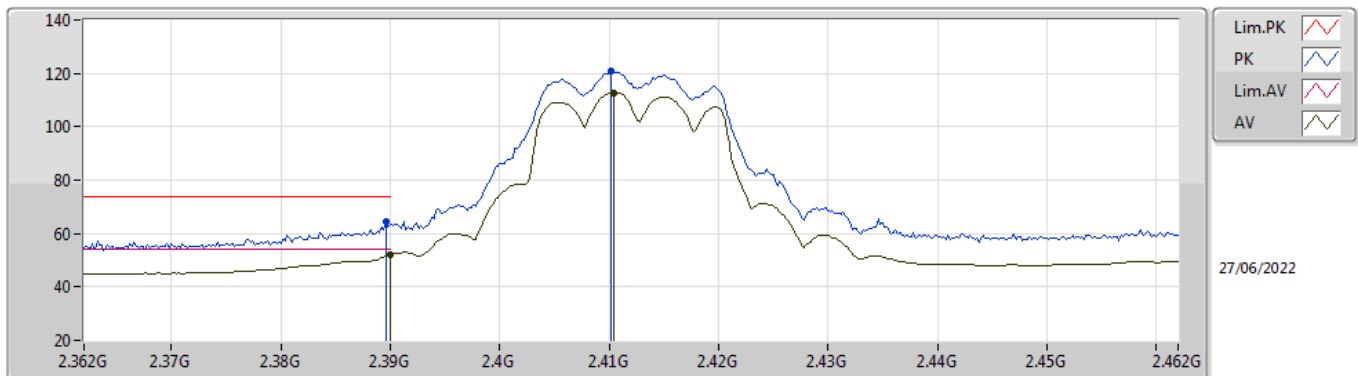
2412MHz_TX



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	2.3884G	48.96	54.00	-5.04	32.00	3	Vertical	18	1.00	-	16.96	27.43	4.57	-
AV	2.4126G	109.40	Inf	-Inf	32.12	3	Vertical	18	1.00	-	77.28	27.53	4.59	-
PK	2.3886G	60.65	74.00	-13.35	32.00	3	Vertical	18	1.00	-	28.65	27.43	4.57	-
PK	2.4128G	116.94	Inf	-Inf	32.12	3	Vertical	18	1.00	-	84.82	27.53	4.59	-

802.11g_Nss1,(6Mbps)_2TX

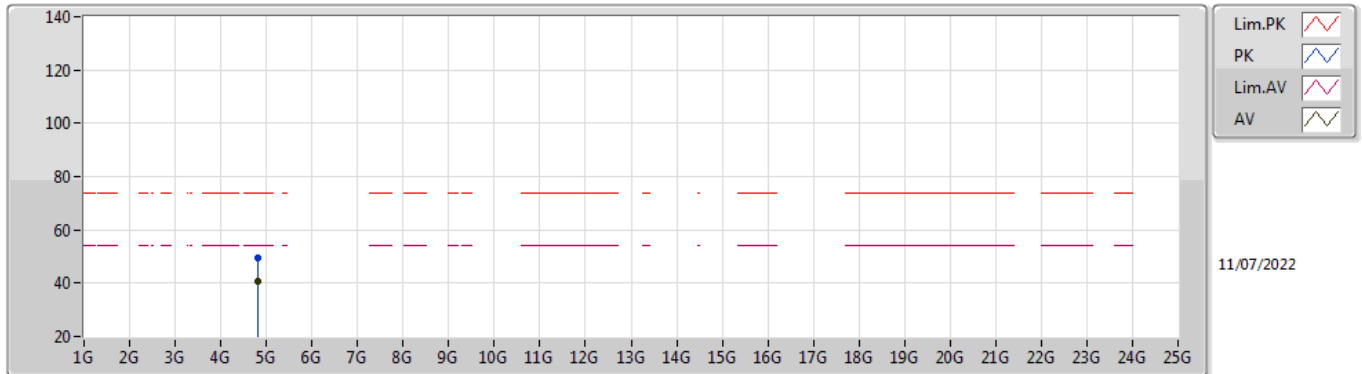
2412MHz_TX



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	52.03	54.00	-1.97	32.01	3	Horizontal	48	2.73	-	20.02	27.44	4.57	-
AV	2.4104G	112.67	Inf	-Inf	32.10	3	Horizontal	48	2.73	-	80.57	27.52	4.58	-
PK	2.3896G	64.62	74.00	-9.38	32.01	3	Horizontal	48	2.73	-	32.61	27.44	4.57	-
PK	2.4102G	120.94	Inf	-Inf	32.10	3	Horizontal	48	2.73	-	88.84	27.52	4.58	-

802.11g_Nss1,(6Mbps)_2TX

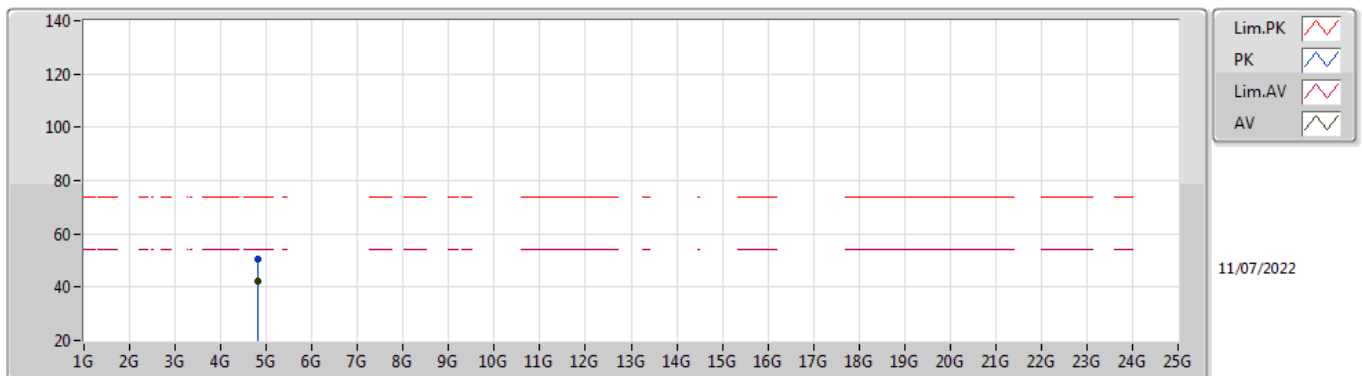
2412MHz_TX



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	4.82405G	40.45	54.00	-13.55	4.31	3	Vertical	0	1.04	-	36.14	32.44	6.68	34.81
PK	4.82405G	49.51	74.00	-24.49	4.31	3	Vertical	0	1.04	-	45.20	32.44	6.68	34.81

802.11g_Nss1,(6Mbps)_2TX

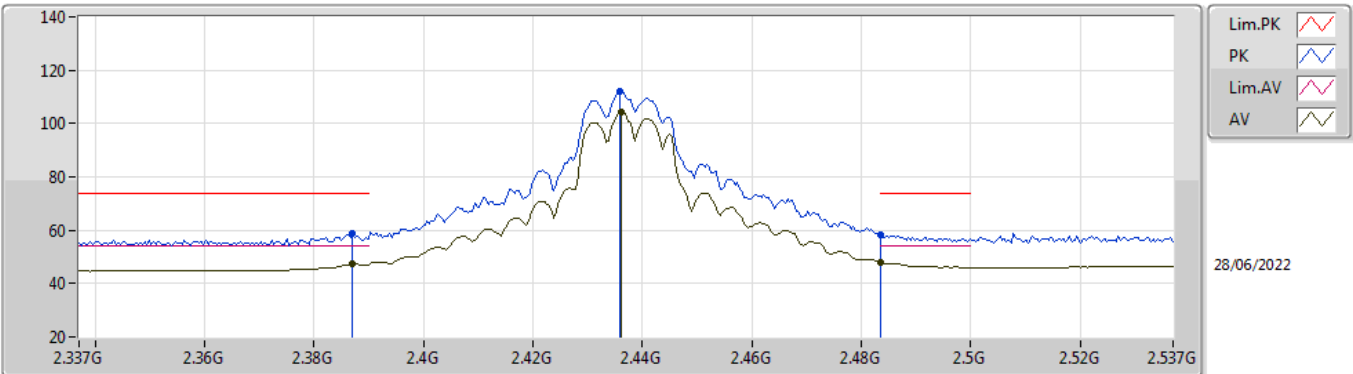
2412MHz_TX



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	4.82399G	42.44	54.00	-11.56	4.31	3	Horizontal	339	2.26	-	38.13	32.44	6.68	34.81
PK	4.82414G	50.31	74.00	-23.69	4.31	3	Horizontal	339	2.26	-	46.00	32.44	6.68	34.81

802.11g_Nss1,(6Mbps)_2TX

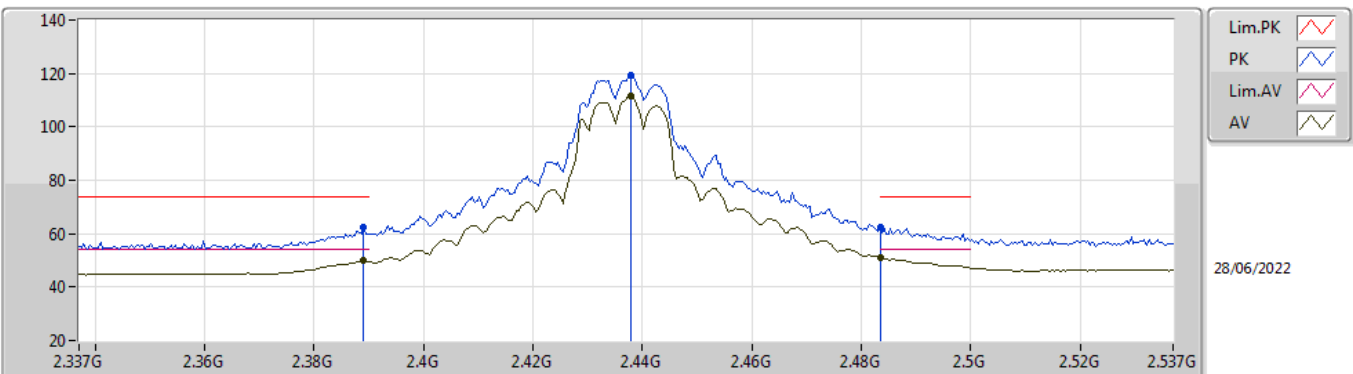
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.387G	47.21	54.00	-6.79	31.99	3	Vertical	165	1.83	-	15.22	27.42	4.57	-
AV	2.4362G	104.45	Inf	-Inf	32.16	3	Vertical	165	1.83	-	72.29	27.57	4.59	-
AV	2.4835G	47.76	54.00	-6.24	32.41	3	Vertical	165	1.83	-	15.35	27.80	4.61	-
PK	2.387G	58.78	74.00	-15.22	31.99	3	Vertical	165	1.83	-	26.79	27.42	4.57	-
PK	2.4358G	112.16	Inf	-Inf	32.16	3	Vertical	165	1.83	-	80.00	27.57	4.59	-
PK	2.4835G	58.10	74.00	-15.90	32.41	3	Vertical	165	1.83	-	25.69	27.80	4.61	-

802.11g_Nss1,(6Mbps)_2TX

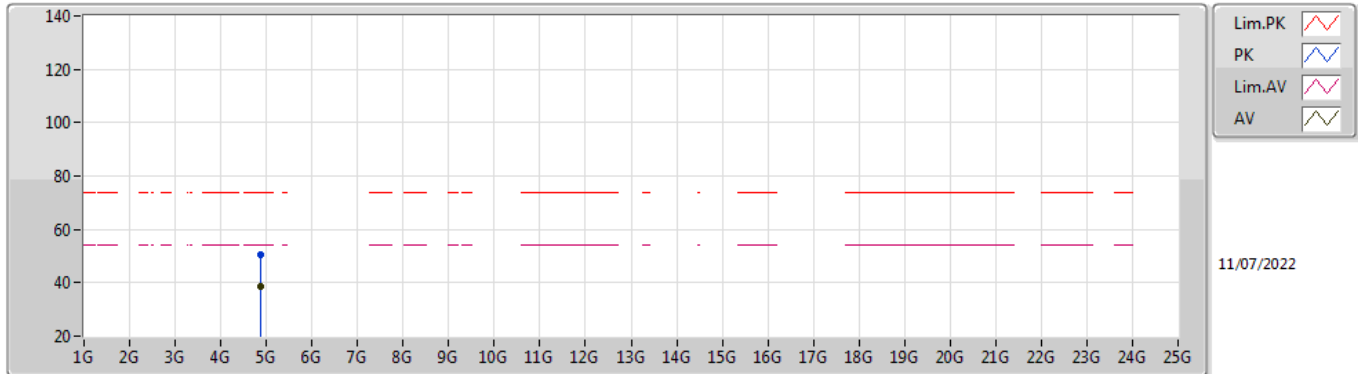
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389G	49.86	54.00	-4.14	32.00	3	Horizontal	51	2.18	-	17.86	27.43	4.57	-
AV	2.4378G	111.55	Inf	-Inf	32.18	3	Horizontal	51	2.18	-	79.37	27.58	4.60	-
AV	2.4835G	51.14	54.00	-2.86	32.41	3	Horizontal	51	2.18	-	18.73	27.80	4.61	-
PK	2.389G	62.28	74.00	-11.72	32.00	3	Horizontal	51	2.18	-	30.28	27.43	4.57	-
PK	2.4378G	119.11	Inf	-Inf	32.18	3	Horizontal	51	2.18	-	86.93	27.58	4.60	-
PK	2.4835G	62.52	74.00	-11.48	32.41	3	Horizontal	51	2.18	-	30.11	27.80	4.61	-

802.11g_Nss1,(6Mbps)_2TX

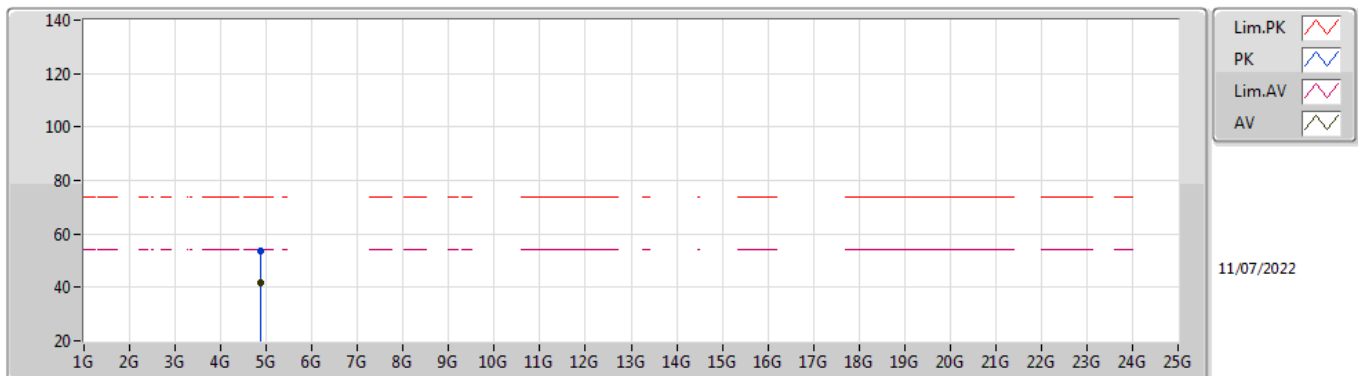
2437MHz_TX



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	4.87403G	38.74	54.00	-15.26	4.63	3	Vertical	0	1.00	-	34.11	32.70	6.72	34.79
PK	4.87388G	50.41	74.00	-23.59	4.63	3	Vertical	0	1.00	-	45.78	32.70	6.72	34.79

802.11g_Nss1,(6Mbps)_2TX

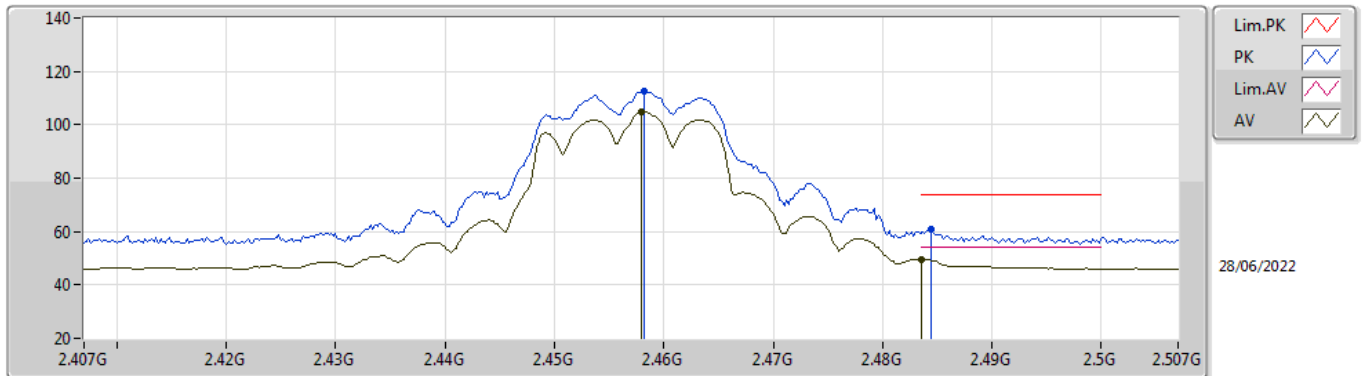
2437MHz_TX



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	4.87405G	41.54	54.00	-12.46	4.63	3	Horizontal	340	1.29	-	36.91	32.70	6.72	34.79
PK	4.87431G	53.59	74.00	-20.41	4.63	3	Horizontal	340	1.29	-	48.96	32.70	6.72	34.79

802.11g_Nss1,(6Mbps)_2TX

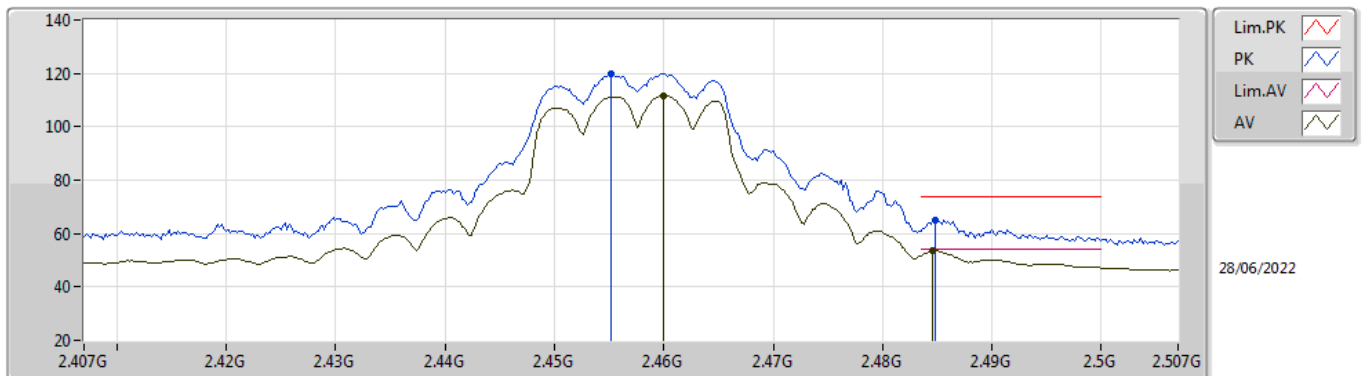
2457MHz_TX



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	2.458G	104.69	Inf	-Inf	32.25	3	Vertical	154	2.06	-	72.44	27.65	4.60	-
AV	2.4835G	49.48	54.00	-4.52	32.41	3	Vertical	154	2.06	-	17.07	27.80	4.61	-
PK	2.4582G	112.55	Inf	-Inf	32.25	3	Vertical	154	2.06	-	80.30	27.65	4.60	-
PK	2.4844G	60.84	74.00	-13.16	32.42	3	Vertical	154	2.06	-	28.42	27.81	4.61	-

802.11g_Nss1,(6Mbps)_2TX

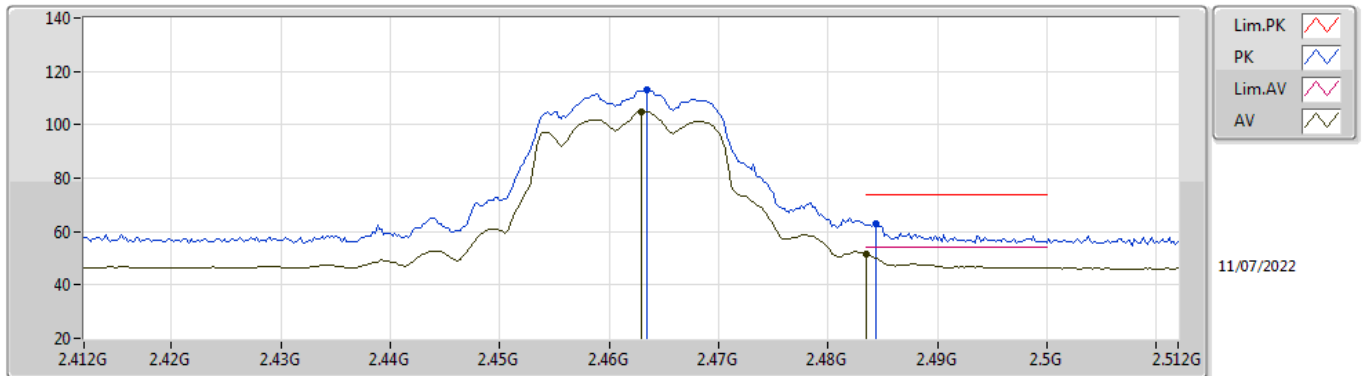
2457MHz_TX



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	2.46G	111.62	Inf	-Inf	32.26	3	Horizontal	46	2.29	-	79.36	27.66	4.60	-
AV	2.4846G	53.61	54.00	-0.39	32.42	3	Horizontal	46	2.29	-	21.19	27.81	4.61	-
PK	2.4552G	120.04	Inf	-Inf	32.23	3	Horizontal	46	2.29	-	87.81	27.63	4.60	-
PK	2.4848G	65.21	74.00	-8.79	32.42	3	Horizontal	46	2.29	-	32.79	27.81	4.61	-

802.11g_Nss1,(6Mbps)_2TX

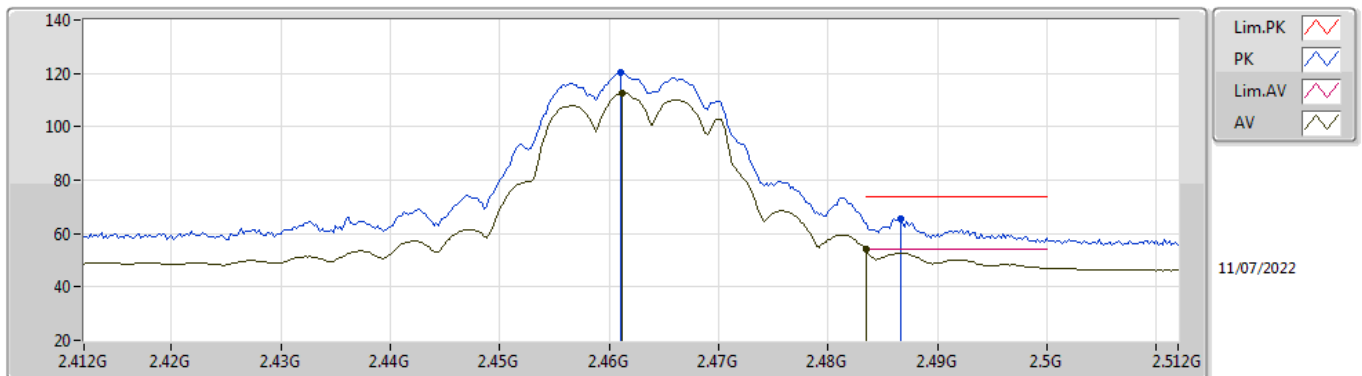
2462MHz_TX



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	2.463G	105.00	Inf	-Inf	32.29	3	Vertical	4	1.11	-	72.71	27.68	4.61	-
AV	2.4835G	51.78	54.00	-2.22	32.41	3	Vertical	4	1.11	-	19.37	27.80	4.61	-
PK	2.4634G	113.08	Inf	-Inf	32.29	3	Vertical	4	1.11	-	80.79	27.68	4.61	-
PK	2.4844G	62.74	74.00	-11.26	32.42	3	Vertical	4	1.11	-	30.32	27.81	4.61	-

802.11g_Nss1,(6Mbps)_2TX

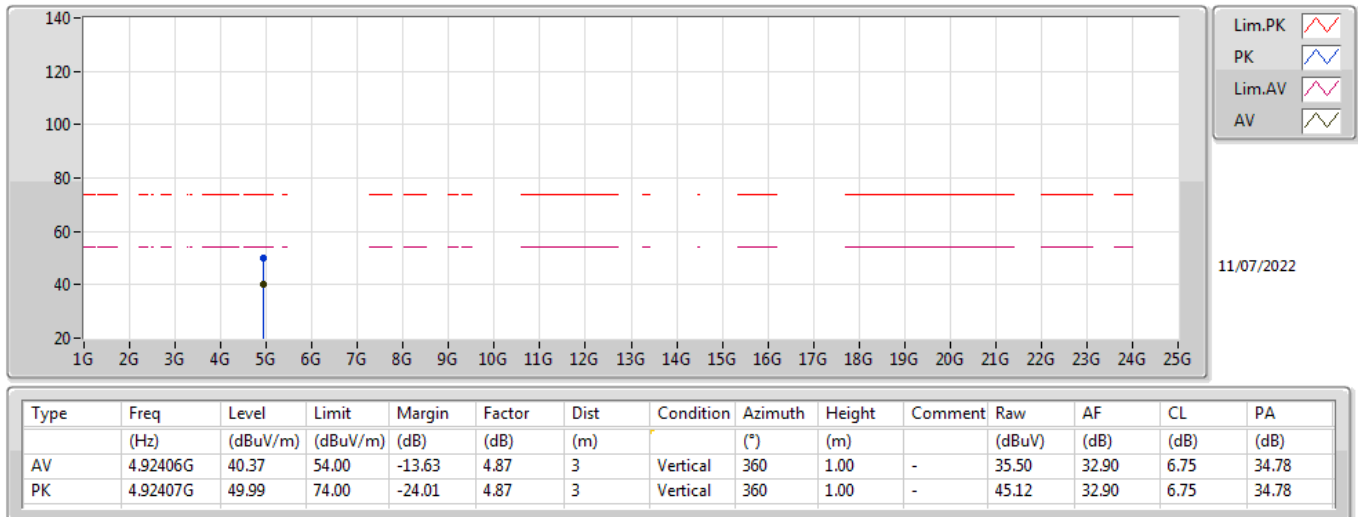
2462MHz_TX



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	2.4612G	112.80	Inf	-Inf	32.27	3	Horizontal	49	2.75	-	80.53	27.67	4.60	-
AV	2.4835G	53.88	54.00	-0.12	32.41	3	Horizontal	49	2.75	-	21.47	27.80	4.61	-
PK	2.461G	120.12	Inf	-Inf	32.27	3	Horizontal	49	2.75	-	87.85	27.67	4.60	-
PK	2.4866G	65.59	74.00	-8.41	32.43	3	Horizontal	49	2.75	-	33.16	27.82	4.61	-

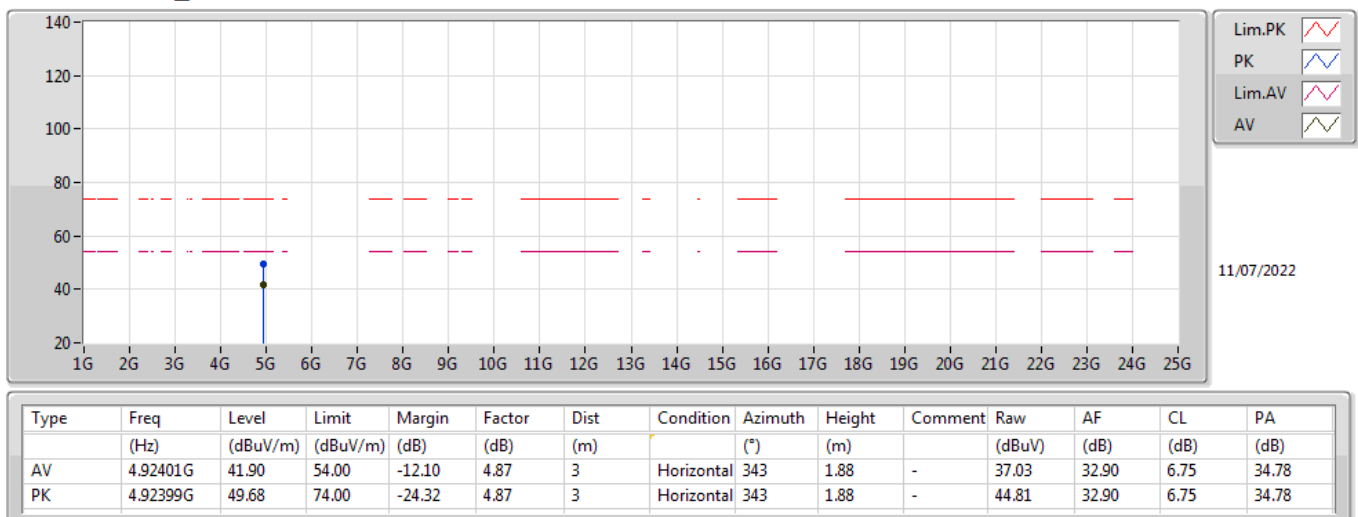
802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX



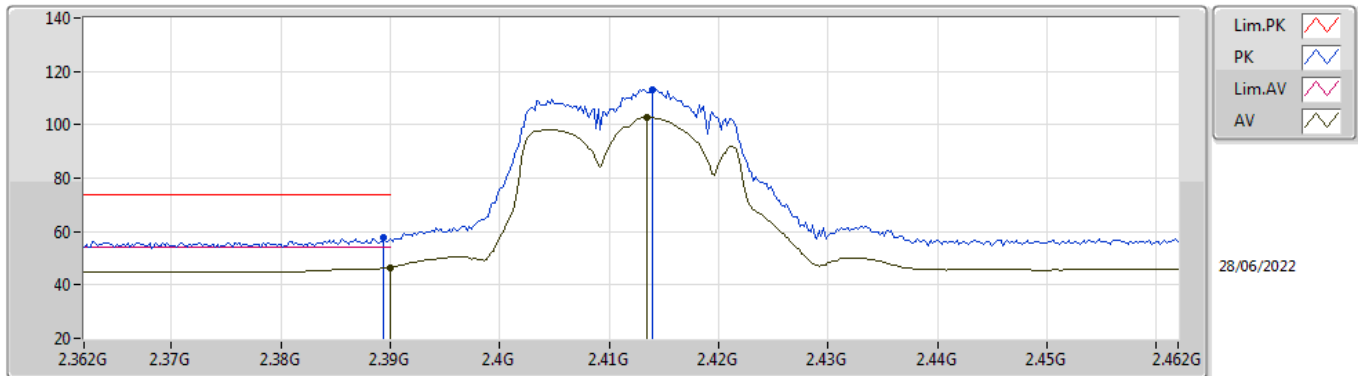
802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX



802.11ax HEW20_Nss1,(MCS0)_2TX

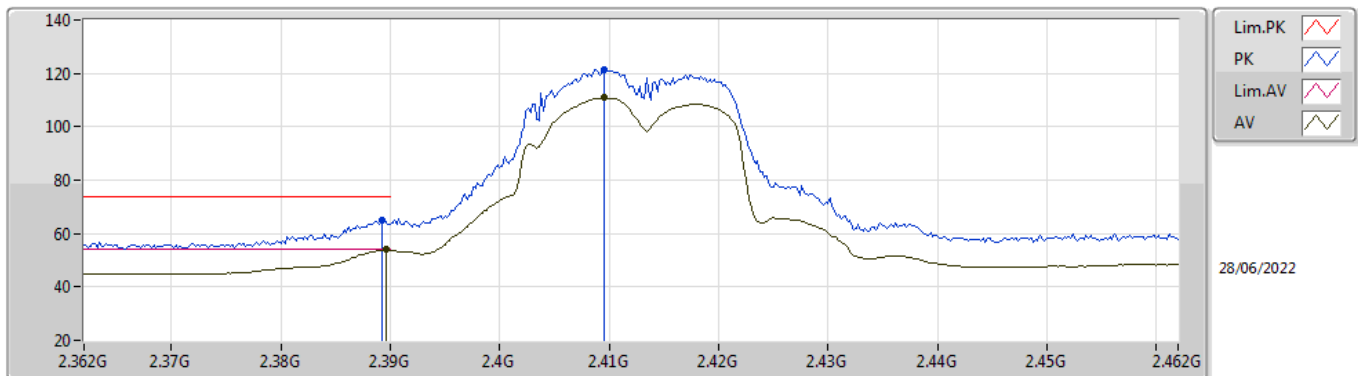
2412MHz_TX



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	46.57	54.00	-7.43	32.01	3	Vertical	156	1.77	-	14.56	27.44	4.57	-
AV	2.4134G	102.67	Inf	-Inf	32.12	3	Vertical	156	1.77	-	70.55	27.53	4.59	-
PK	2.3894G	57.73	74.00	-16.27	32.01	3	Vertical	156	1.77	-	25.72	27.44	4.57	-
PK	2.414G	113.33	Inf	-Inf	32.12	3	Vertical	156	1.77	-	81.21	27.53	4.59	-

802.11ax HEW20_Nss1,(MCS0)_2TX

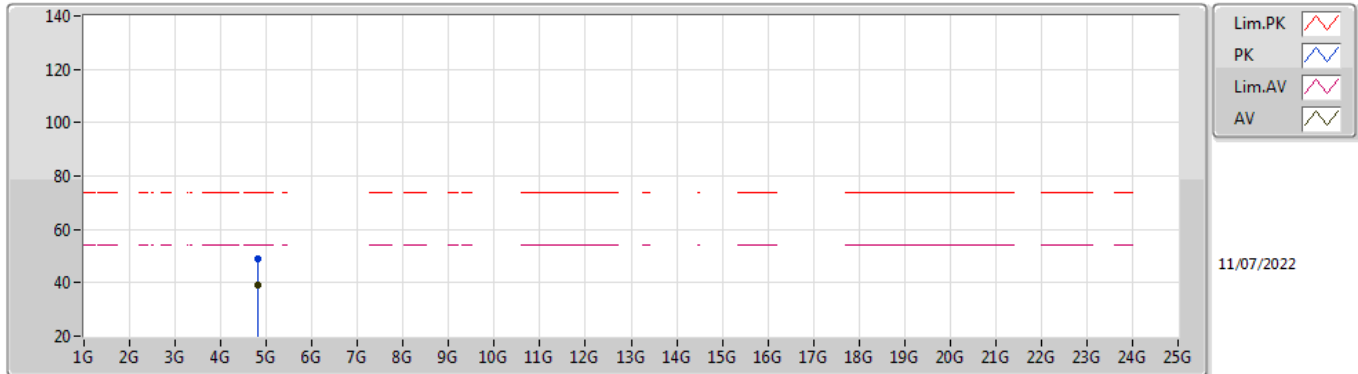
2412MHz_TX



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	2.3896G	53.88	54.00	-0.12	32.01	3	Horizontal	50	2.53	-	21.87	27.44	4.57	-
AV	2.4096G	110.78	Inf	-Inf	32.10	3	Horizontal	50	2.53	-	78.68	27.52	4.58	-
PK	2.3892G	64.95	74.00	-9.05	32.01	3	Horizontal	50	2.53	-	32.94	27.44	4.57	-
PK	2.4096G	121.39	Inf	-Inf	32.10	3	Horizontal	50	2.53	-	89.29	27.52	4.58	-

802.11ax HEW20_Nss1,(MCS0)_2TX

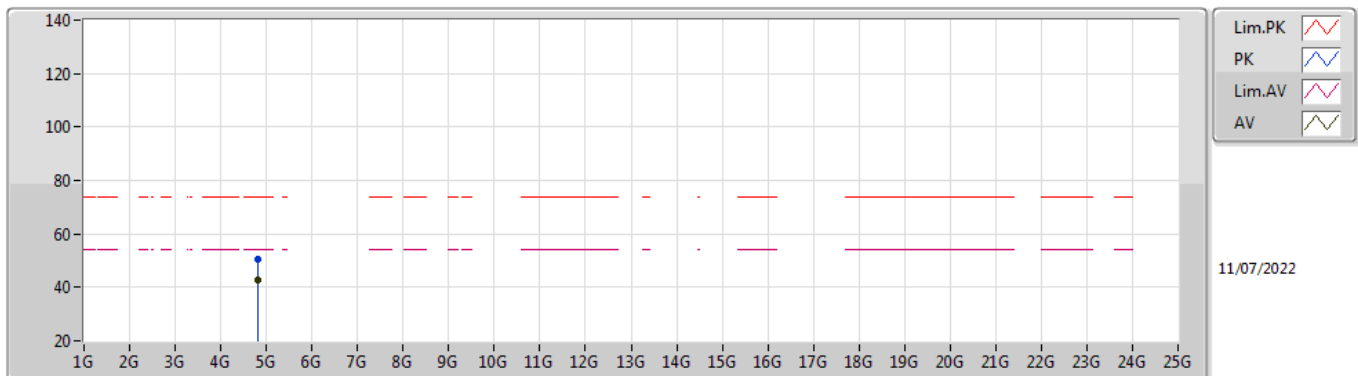
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82404G	39.12	54.00	-14.88	4.31	3	Vertical	18	1.82	-	34.81	32.44	6.68	34.81
PK	4.82418G	48.76	74.00	-25.24	4.32	3	Vertical	18	1.82	-	44.44	32.45	6.68	34.81

802.11ax HEW20_Nss1,(MCS0)_2TX

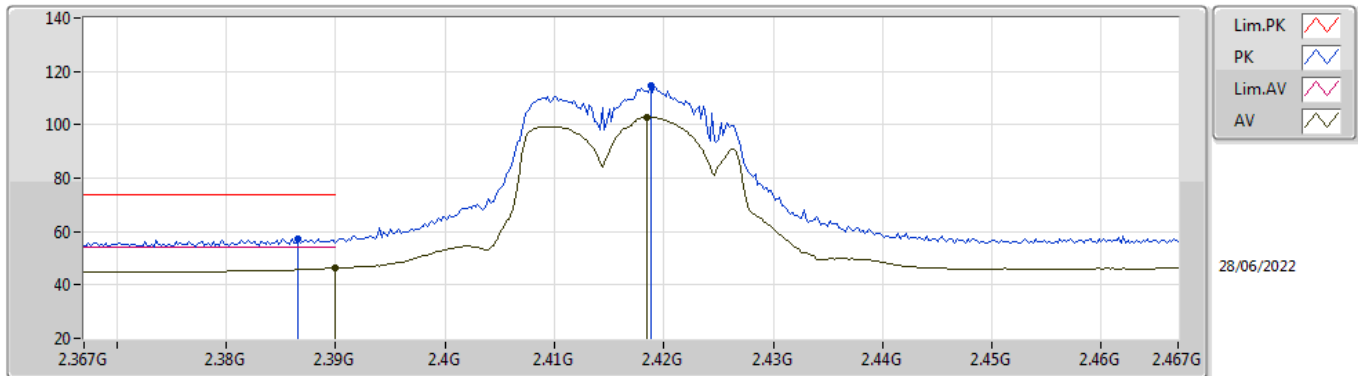
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82401G	42.86	54.00	-11.14	4.31	3	Horizontal	341	1.32	-	38.55	32.44	6.68	34.81
PK	4.82401G	50.76	74.00	-23.24	4.31	3	Horizontal	341	1.32	-	46.45	32.44	6.68	34.81

802.11ax HEW20_Nss1,(MCS0)_2TX

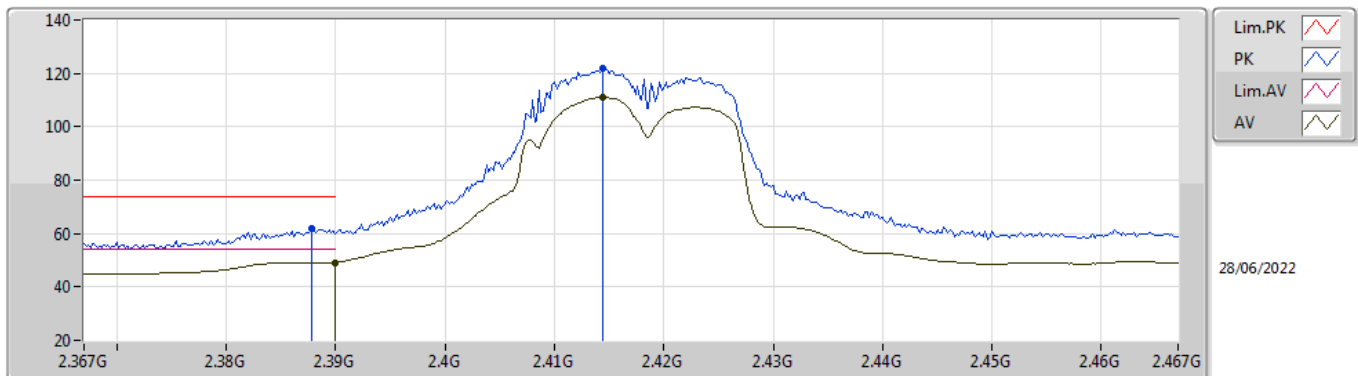
2417MHz_TX



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	46.25	54.00	-7.75	32.01	3	Vertical	158	1.79	-	14.24	27.44	4.57	-
AV	2.4184G	102.74	Inf	-Inf	32.13	3	Vertical	158	1.79	-	70.61	27.54	4.59	-
PK	2.3866G	57.32	74.00	-16.68	31.99	3	Vertical	158	1.79	-	25.33	27.42	4.57	-
PK	2.4188G	114.44	Inf	-Inf	32.13	3	Vertical	158	1.79	-	82.31	27.54	4.59	-

802.11ax HEW20_Nss1,(MCS0)_2TX

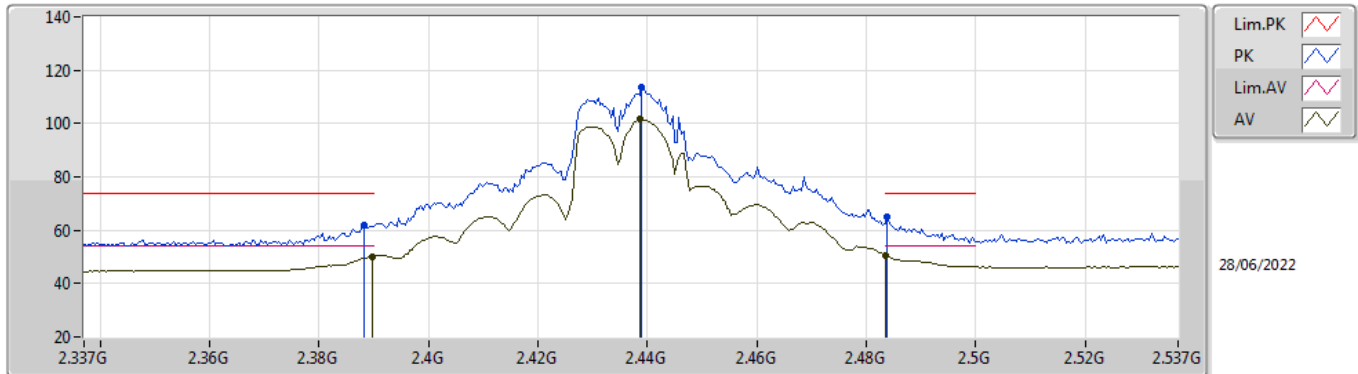
2417MHz_TX



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	49.20	54.00	-4.80	32.01	3	Horizontal	46	2.76	-	17.19	27.44	4.57	-
AV	2.4144G	110.93	Inf	-Inf	32.12	3	Horizontal	46	2.76	-	78.81	27.53	4.59	-
PK	2.3878G	61.89	74.00	-12.11	32.00	3	Horizontal	46	2.76	-	29.89	27.43	4.57	-
PK	2.4144G	122.07	Inf	-Inf	32.12	3	Horizontal	46	2.76	-	89.95	27.53	4.59	-

802.11ax HEW20_Nss1,(MCS0)_2TX

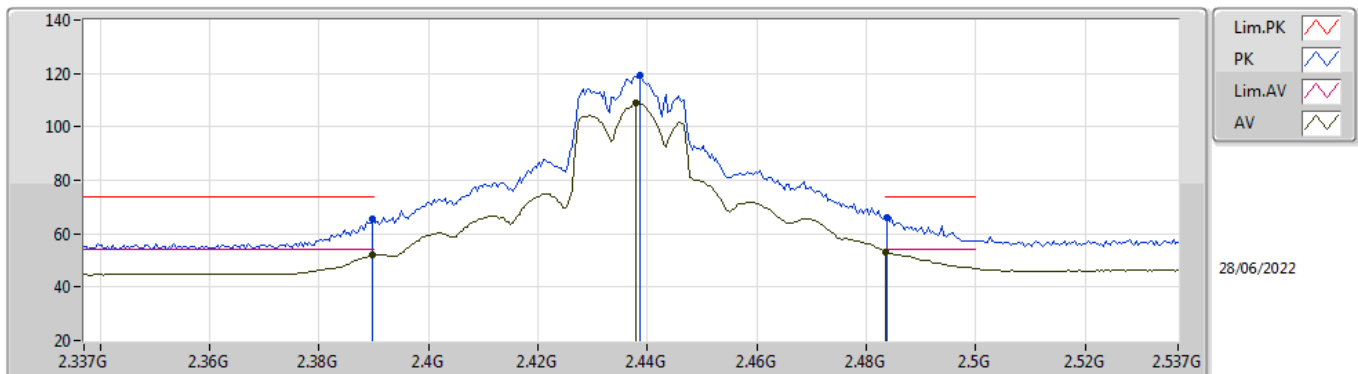
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	50.23	54.00	-3.77	32.01	3	Vertical	158	1.85	-	18.22	27.44	4.57	-
AV	2.4386G	101.48	Inf	-Inf	32.18	3	Vertical	158	1.85	-	69.30	27.58	4.60	-
AV	2.4835G	50.54	54.00	-3.46	32.41	3	Vertical	158	1.85	-	18.13	27.80	4.61	-
PK	2.3882G	62.07	74.00	-11.93	32.00	3	Vertical	158	1.85	-	30.07	27.43	4.57	-
PK	2.439G	113.47	Inf	-Inf	32.18	3	Vertical	158	1.85	-	81.29	27.58	4.60	-
PK	2.4838G	64.94	74.00	-9.06	32.41	3	Vertical	158	1.85	-	32.53	27.80	4.61	-

802.11ax HEW20_Nss1,(MCS0)_2TX

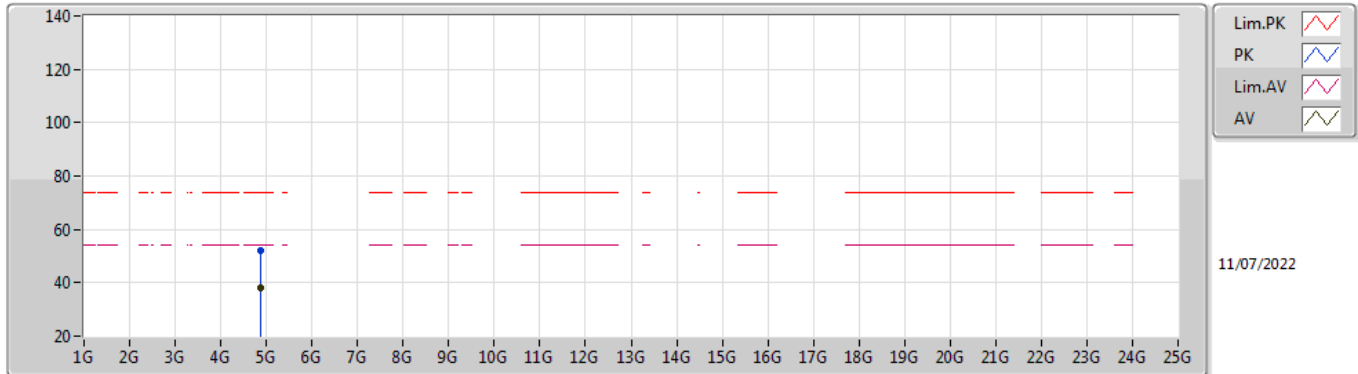
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	51.86	54.00	-2.14	32.01	3	Horizontal	318	2.16	-	19.85	27.44	4.57	-
AV	2.4378G	108.98	Inf	-Inf	32.18	3	Horizontal	318	2.16	-	76.80	27.58	4.60	-
AV	2.4835G	53.05	54.00	-0.95	32.41	3	Horizontal	318	2.16	-	20.64	27.80	4.61	-
PK	2.3898G	65.29	74.00	-8.71	32.01	3	Horizontal	318	2.16	-	33.28	27.44	4.57	-
PK	2.4386G	119.13	Inf	-Inf	32.18	3	Horizontal	318	2.16	-	86.95	27.58	4.60	-
PK	2.4838G	66.07	74.00	-7.93	32.41	3	Horizontal	318	2.16	-	33.66	27.80	4.61	-

802.11ax HEW20_Nss1,(MCS0)_2TX

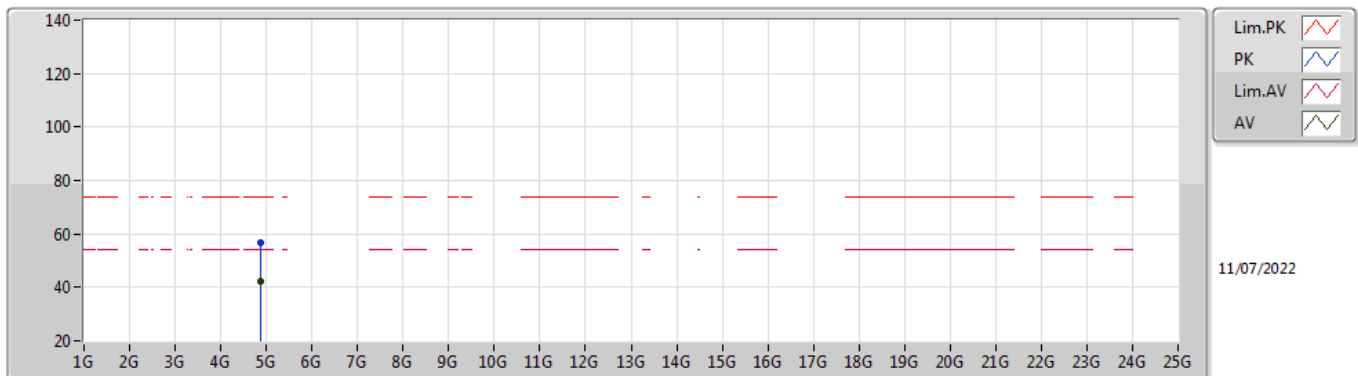
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87404G	38.35	54.00	-15.65	4.63	3	Vertical	15	1.68	-	33.72	32.70	6.72	34.79
PK	4.874G	52.19	74.00	-21.81	4.63	3	Vertical	15	1.68	-	47.56	32.70	6.72	34.79

802.11ax HEW20_Nss1,(MCS0)_2TX

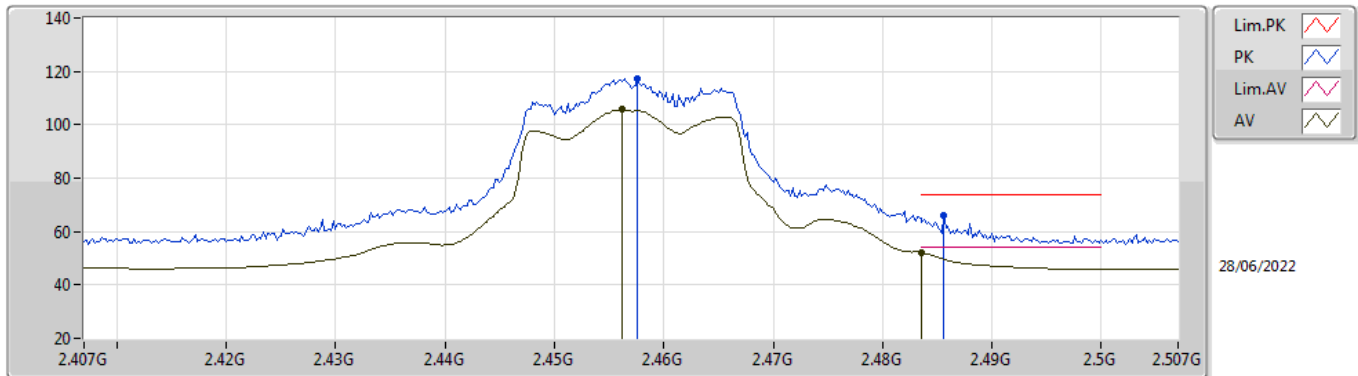
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87404G	42.17	54.00	-11.83	4.63	3	Horizontal	342	1.33	-	37.54	32.70	6.72	34.79
PK	4.87456G	56.48	74.00	-17.52	4.63	3	Horizontal	342	1.33	-	51.85	32.70	6.72	34.79

802.11ax HEW20_Nss1,(MCS0)_2TX

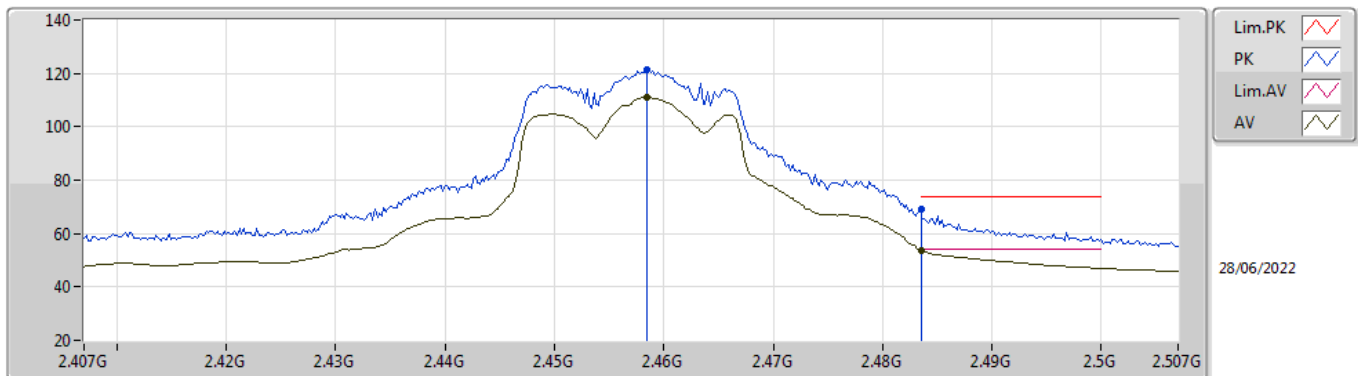
2457MHz_TX



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	2.4562G	105.75	Inf	-Inf	32.24	3	Vertical	25	1.08	-	73.51	27.64	4.60	-
AV	2.4835G	52.23	54.00	-1.77	32.41	3	Vertical	25	1.08	-	19.82	27.80	4.61	-
PK	2.4576G	117.32	Inf	-Inf	32.25	3	Vertical	25	1.08	-	85.07	27.65	4.60	-
PK	2.4856G	65.97	74.00	-8.03	32.42	3	Vertical	25	1.08	-	33.55	27.81	4.61	-

802.11ax HEW20_Nss1,(MCS0)_2TX

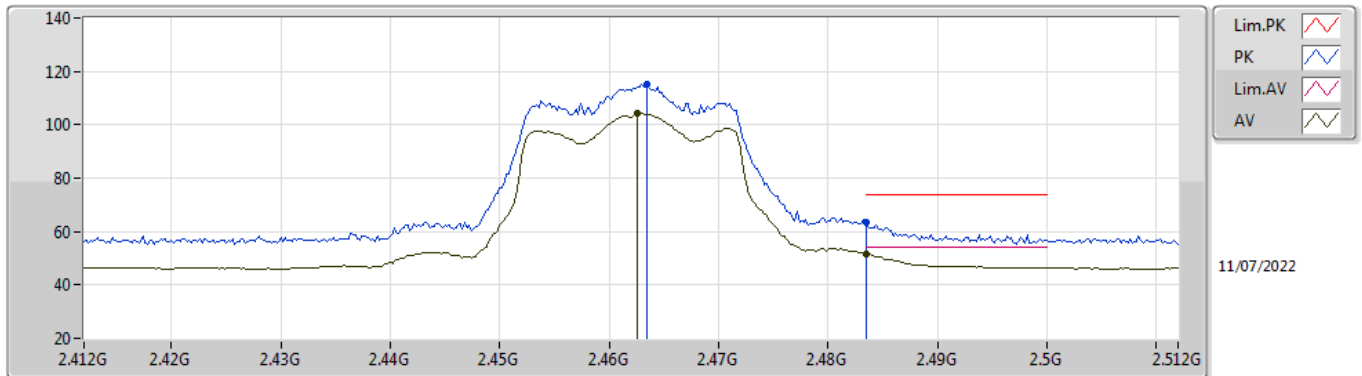
2457MHz_TX



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	2.4584G	110.89	Inf	-Inf	32.25	3	Horizontal	317	1.00	-	78.64	27.65	4.60	-
AV	2.4835G	53.85	54.00	-0.15	32.41	3	Horizontal	317	1.00	-	21.44	27.80	4.61	-
PK	2.4584G	121.18	Inf	-Inf	32.25	3	Horizontal	317	1.00	-	88.93	27.65	4.60	-
PK	2.4835G	69.15	74.00	-4.85	32.41	3	Horizontal	317	1.00	-	36.74	27.80	4.61	-

802.11ax HEW20_Nss1,(MCS0)_2TX

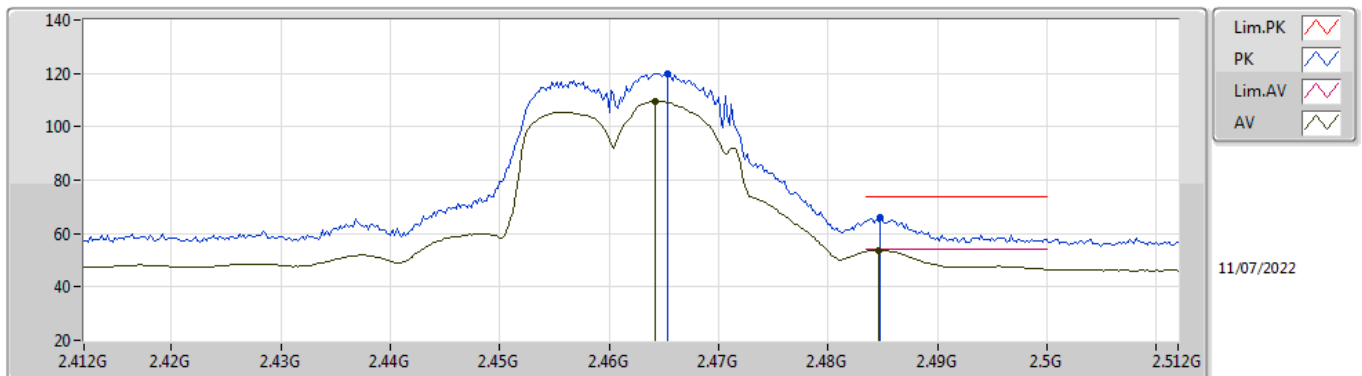
2462MHz_TX



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	2.4626G	104.14	Inf	-Inf	32.29	3	Vertical	27	1.10	-	71.85	27.68	4.61	-
AV	2.4835G	51.70	54.00	-2.30	32.41	3	Vertical	27	1.10	-	19.29	27.80	4.61	-
PK	2.4634G	115.32	Inf	-Inf	32.29	3	Vertical	27	1.10	-	83.03	27.68	4.61	-
PK	2.4835G	63.59	74.00	-10.41	32.41	3	Vertical	27	1.10	-	31.18	27.80	4.61	-

802.11ax HEW20_Nss1,(MCS0)_2TX

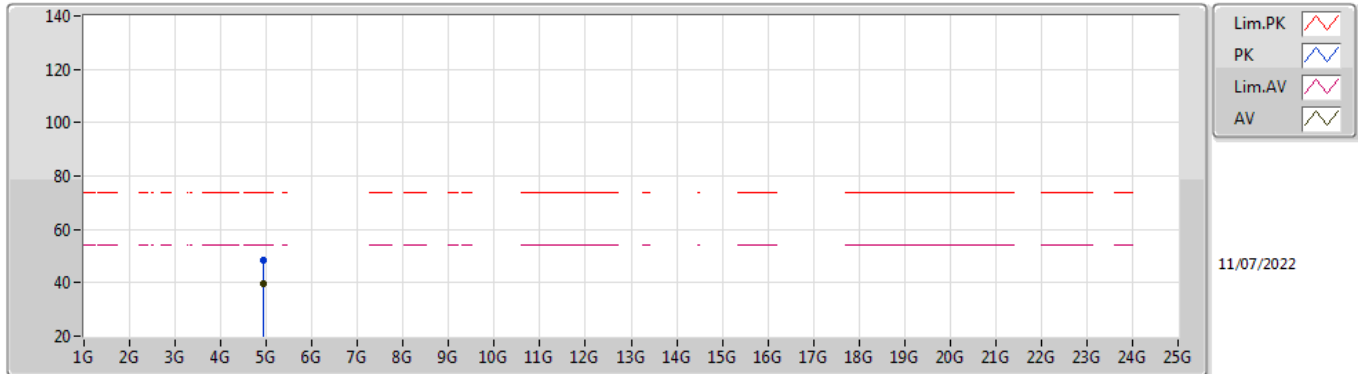
2462MHz_TX



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	2.4642G	109.41	Inf	-Inf	32.30	3	Horizontal	44	2.76	-	77.11	27.69	4.61	-
AV	2.4846G	53.74	54.00	-0.26	32.42	3	Horizontal	44	2.76	-	21.32	27.81	4.61	-
PK	2.4654G	119.98	Inf	-Inf	32.30	3	Horizontal	44	2.76	-	87.68	27.69	4.61	-
PK	2.4848G	65.85	74.00	-8.15	32.42	3	Horizontal	44	2.76	-	33.43	27.81	4.61	-

802.11ax HEW20_Nss1,(MCS0)_2TX

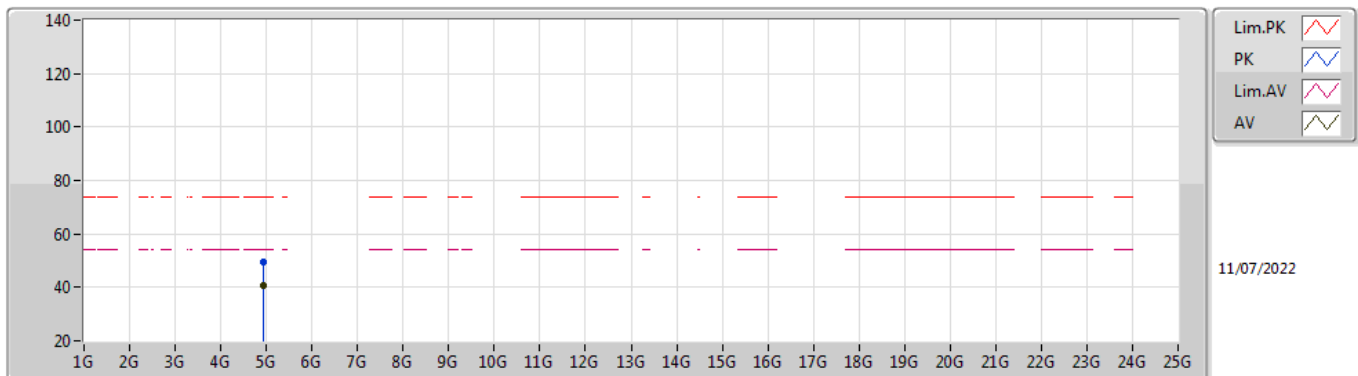
2462MHz_TX



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	4.924G	39.57	54.00	-14.43	4.87	3	Vertical	0	1.00	-	34.70	32.90	6.75	34.78
PK	4.92386G	48.58	74.00	-25.42	4.87	3	Vertical	0	1.00	-	43.71	32.90	6.75	34.78

802.11ax HEW20_Nss1,(MCS0)_2TX

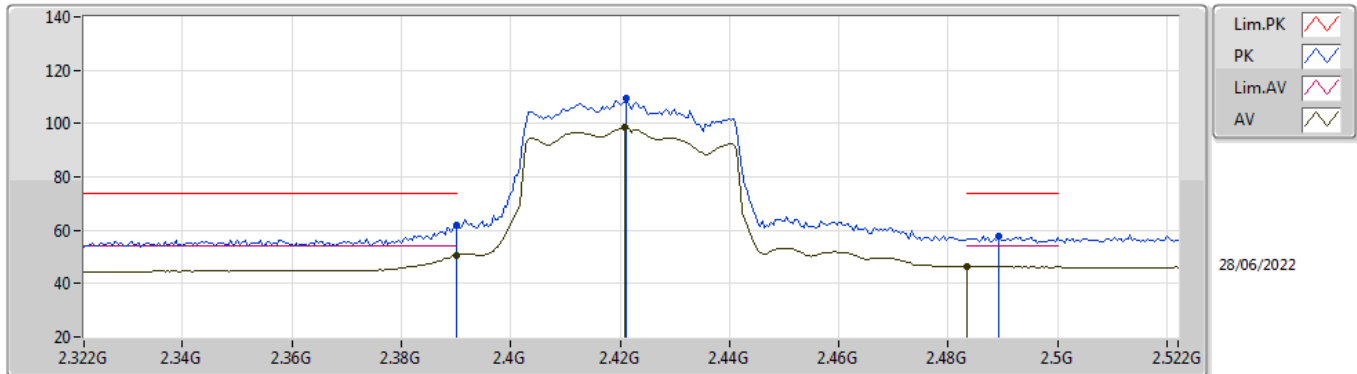
2462MHz_TX



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	4.92399G	40.44	54.00	-13.56	4.87	3	Horizontal	347	1.73	-	35.57	32.90	6.75	34.78
PK	4.92416G	49.23	74.00	-24.77	4.87	3	Horizontal	347	1.73	-	44.36	32.90	6.75	34.78

802.11ax HEW40_Nss1,(MCS0)_2TX

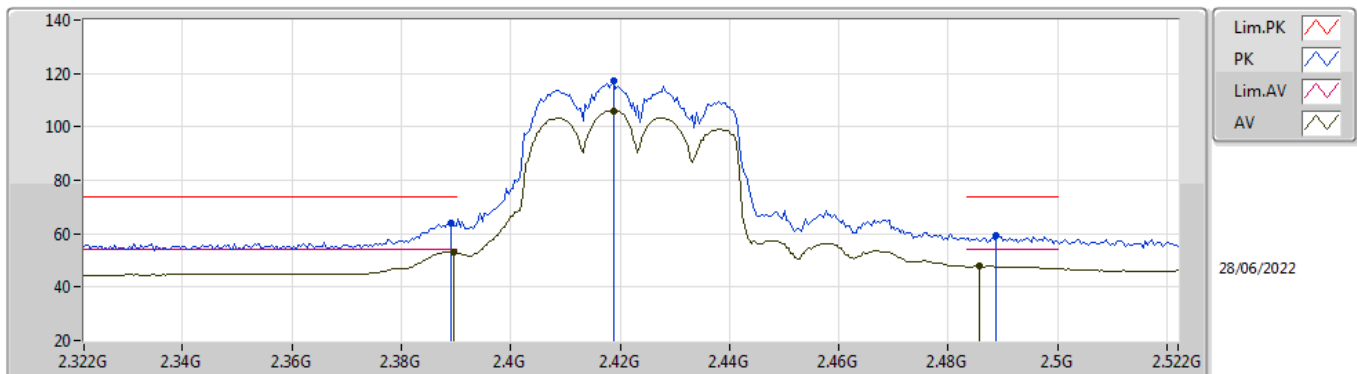
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	50.43	54.00	-3.57	32.01	3	Vertical	28	1.10	-	18.42	27.44	4.57	-
AV	2.4208G	98.62	Inf	-Inf	32.13	3	Vertical	28	1.10	-	66.49	27.54	4.59	-
AV	2.4835G	46.32	54.00	-7.68	32.41	3	Vertical	28	1.10	-	13.91	27.80	4.61	-
PK	2.39G	61.94	74.00	-12.06	32.01	3	Vertical	28	1.10	-	29.93	27.44	4.57	-
PK	2.4212G	109.34	Inf	-Inf	32.13	3	Vertical	28	1.10	-	77.21	27.54	4.59	-
PK	2.4892G	57.70	74.00	-16.30	32.46	3	Vertical	28	1.10	-	25.24	27.84	4.62	-

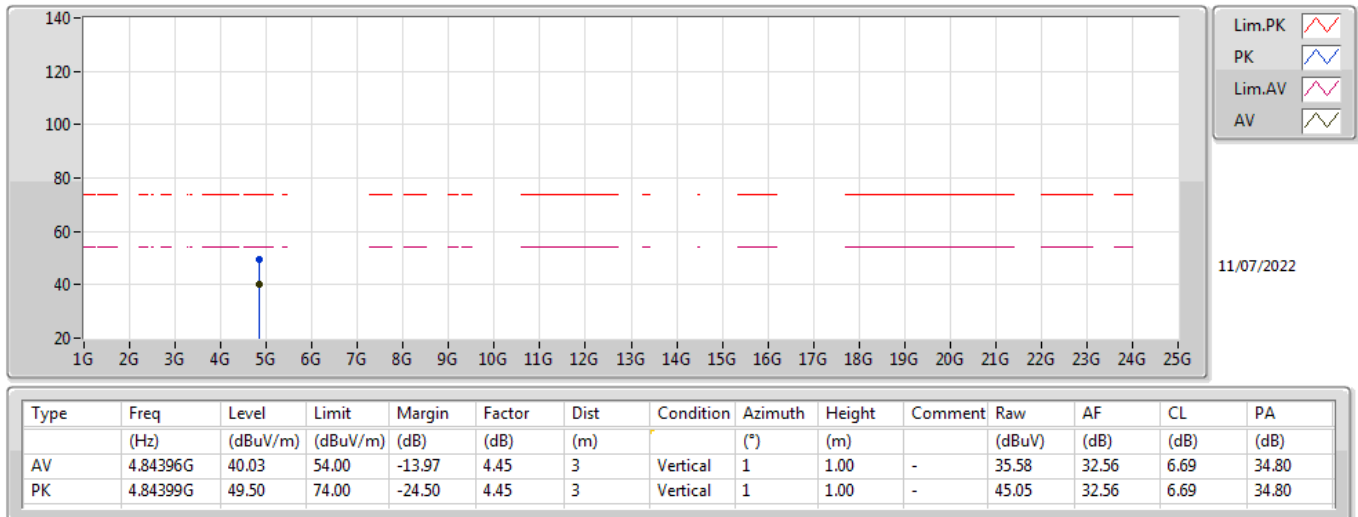
802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

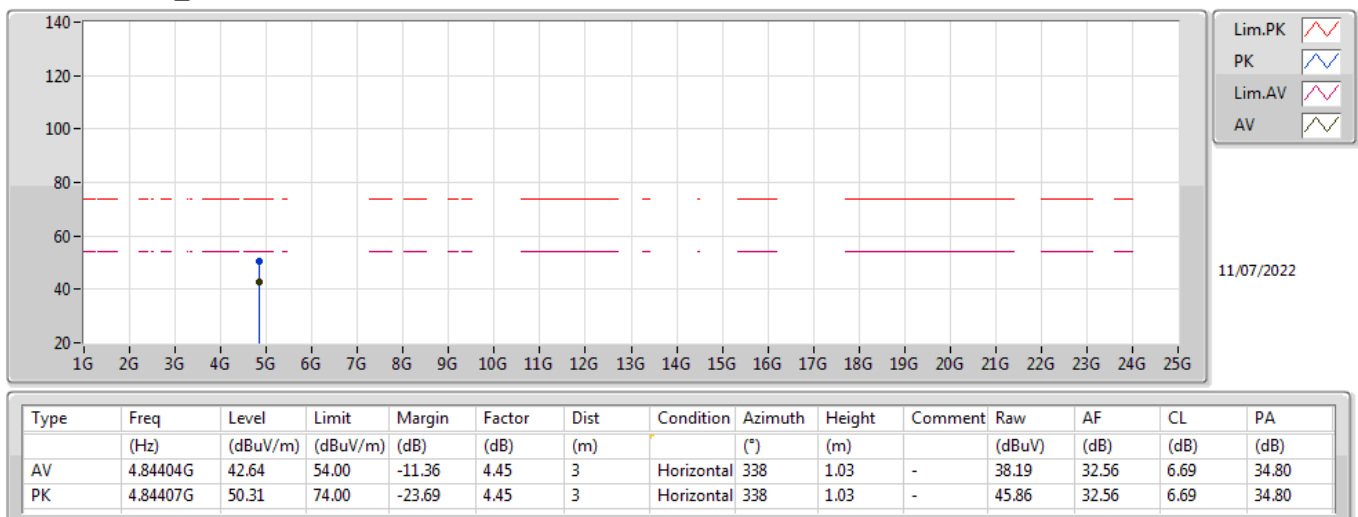


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3896G	53.32	54.00	-0.68	32.01	3	Horizontal	48	2.65	-	21.31	27.44	4.57	-
AV	2.4188G	106.12	Inf	-Inf	32.13	3	Horizontal	48	2.65	-	73.99	27.54	4.59	-
AV	2.4856G	47.86	54.00	-6.14	32.42	3	Horizontal	48	2.65	-	15.44	27.81	4.61	-
PK	2.3892G	63.90	74.00	-10.10	32.01	3	Horizontal	48	2.65	-	31.89	27.44	4.57	-
PK	2.4188G	117.44	Inf	-Inf	32.13	3	Horizontal	48	2.65	-	85.31	27.54	4.59	-
PK	2.4888G	59.13	74.00	-14.87	32.45	3	Horizontal	48	2.65	-	26.68	27.83	4.62	-

802.11ax HEW40_Nss1,(MCS0)_2TX 2422MHz_TX

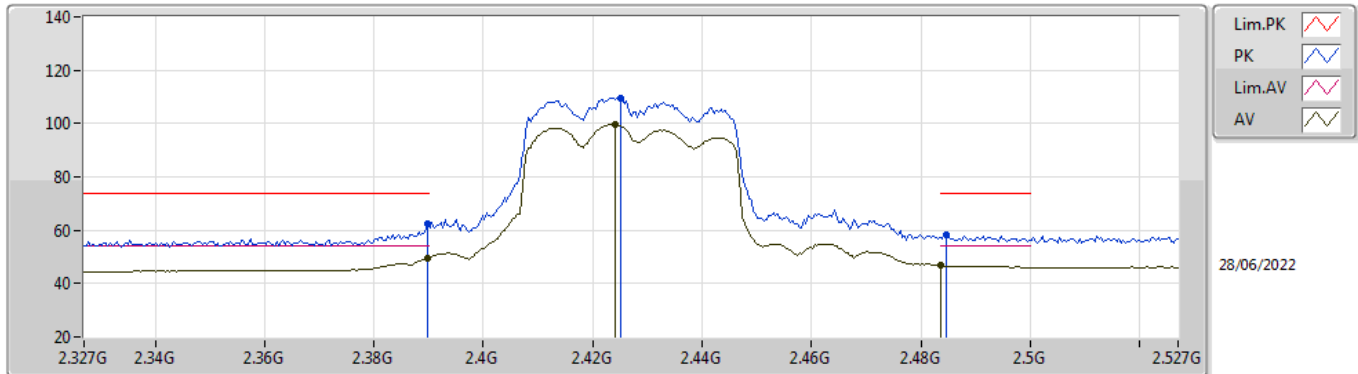


802.11ax HEW40_Nss1,(MCS0)_2TX 2422MHz_TX



802.11ax HEW40_Nss1,(MCS0)_2TX

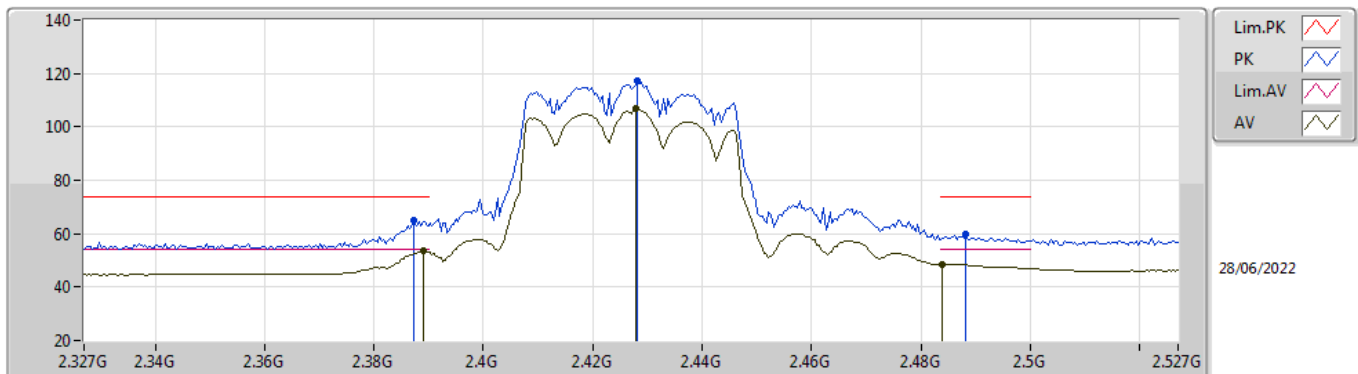
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	49.73	54.00	-4.27	32.01	3	Vertical	16	1.00	-	17.72	27.44	4.57	-
AV	2.4242G	99.55	Inf	-Inf	32.14	3	Vertical	16	1.00	-	67.41	27.55	4.59	-
AV	2.4835G	46.88	54.00	-7.12	32.41	3	Vertical	16	1.00	-	14.47	27.80	4.61	-
PK	2.3898G	62.37	74.00	-11.63	32.01	3	Vertical	16	1.00	-	30.36	27.44	4.57	-
PK	2.425G	109.70	Inf	-Inf	32.14	3	Vertical	16	1.00	-	77.56	27.55	4.59	-
PK	2.4846G	58.52	74.00	-15.48	32.42	3	Vertical	16	1.00	-	26.10	27.81	4.61	-

802.11ax HEW40_Nss1,(MCS0)_2TX

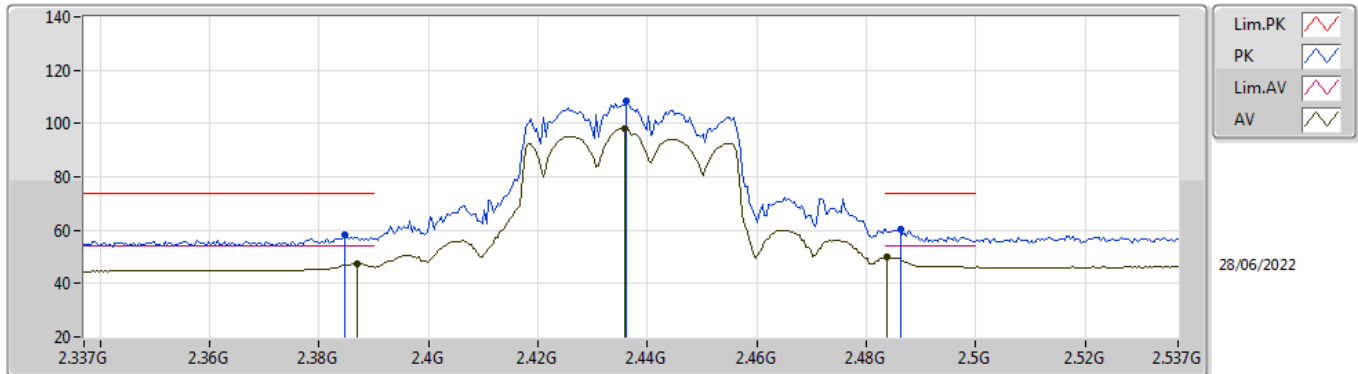
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389G	53.54	54.00	-0.46	32.00	3	Horizontal	57	2.85	-	21.54	27.43	4.57	-
AV	2.4278G	106.79	Inf	-Inf	32.15	3	Horizontal	57	2.85	-	74.64	27.56	4.59	-
AV	2.4838G	48.48	54.00	-5.52	32.41	3	Horizontal	57	2.85	-	16.07	27.80	4.61	-
PK	2.3874G	64.93	74.00	-9.07	31.99	3	Horizontal	57	2.85	-	32.94	27.42	4.57	-
PK	2.4282G	117.36	Inf	-Inf	32.15	3	Horizontal	57	2.85	-	85.21	27.56	4.59	-
PK	2.4882G	59.58	74.00	-14.42	32.45	3	Horizontal	57	2.85	-	27.13	27.83	4.62	-

802.11ax HEW40_Nss1,(MCS0)_2TX

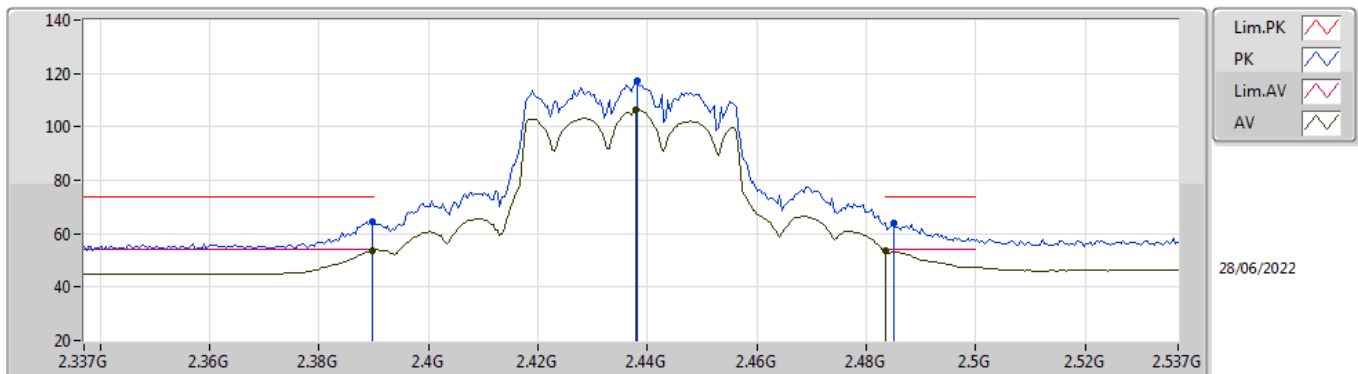
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.387G	47.46	54.00	-6.54	31.99	3	Vertical	175	1.63	-	15.47	27.42	4.57	-
AV	2.4358G	98.14	Inf	-Inf	32.16	3	Vertical	175	1.63	-	65.98	27.57	4.59	-
AV	2.4838G	49.93	54.00	-4.07	32.41	3	Vertical	175	1.63	-	17.52	27.80	4.61	-
PK	2.3846G	58.09	74.00	-15.91	31.98	3	Vertical	175	1.63	-	26.11	27.41	4.57	-
PK	2.4362G	108.41	Inf	-Inf	32.16	3	Vertical	175	1.63	-	76.25	27.57	4.59	-
PK	2.4862G	60.42	74.00	-13.58	32.43	3	Vertical	175	1.63	-	27.99	27.82	4.61	-

802.11ax HEW40_Nss1,(MCS0)_2TX

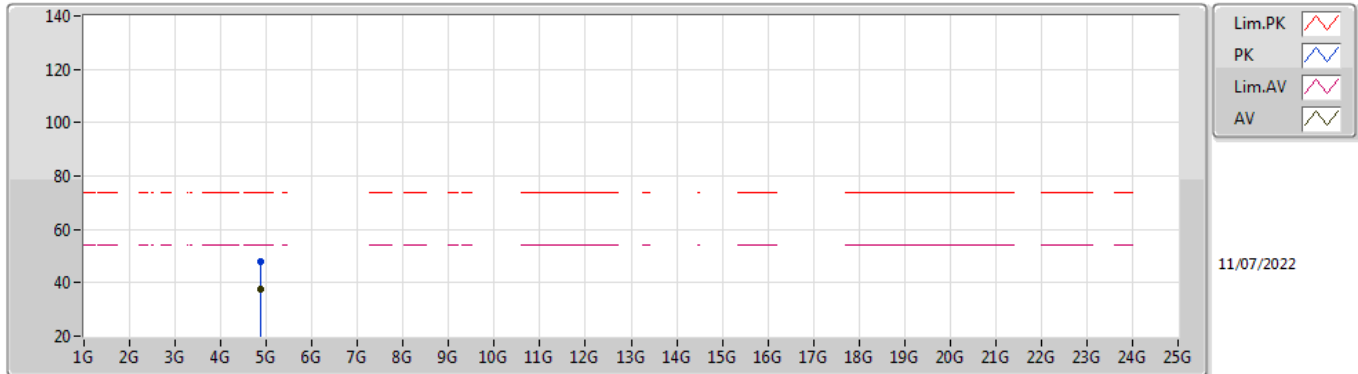
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	53.85	54.00	-0.15	32.01	3	Horizontal	59	2.03	-	21.84	27.44	4.57	-
AV	2.4378G	106.43	Inf	-Inf	32.18	3	Horizontal	59	2.03	-	74.25	27.58	4.60	-
AV	2.4835G	53.69	54.00	-0.31	32.41	3	Horizontal	59	2.03	-	21.28	27.80	4.61	-
PK	2.3898G	64.57	74.00	-9.43	32.01	3	Horizontal	59	2.03	-	32.56	27.44	4.57	-
PK	2.4382G	117.35	Inf	-Inf	32.18	3	Horizontal	59	2.03	-	85.17	27.58	4.60	-
PK	2.485G	63.97	74.00	-10.03	32.42	3	Horizontal	59	2.03	-	31.55	27.81	4.61	-

802.11ax HEW40_Nss1,(MCS0)_2TX

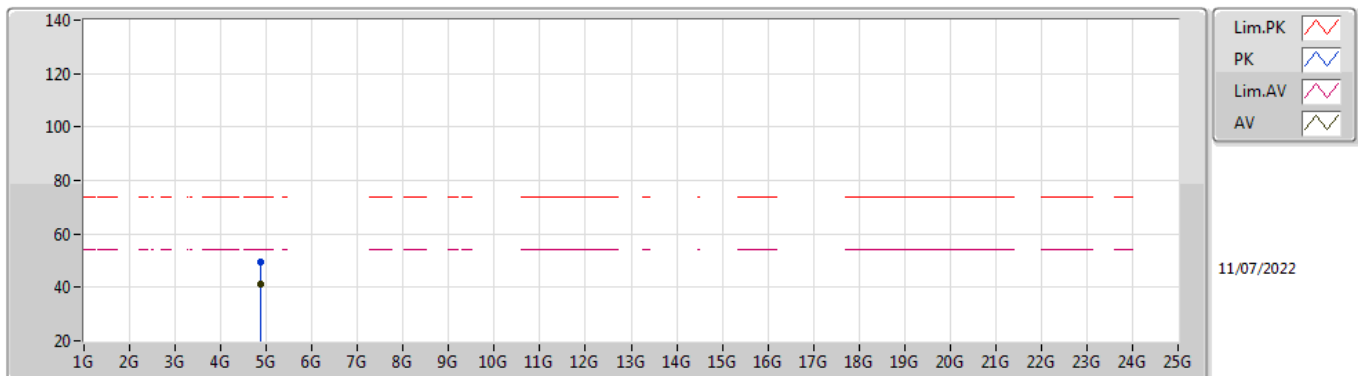
2437MHz_TX



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	4.87401G	37.83	54.00	-16.17	4.63	3	Vertical	0	1.87	-	33.20	32.70	6.72	34.79
PK	4.87422G	47.86	74.00	-26.14	4.63	3	Vertical	0	1.87	-	43.23	32.70	6.72	34.79

802.11ax HEW40_Nss1,(MCS0)_2TX

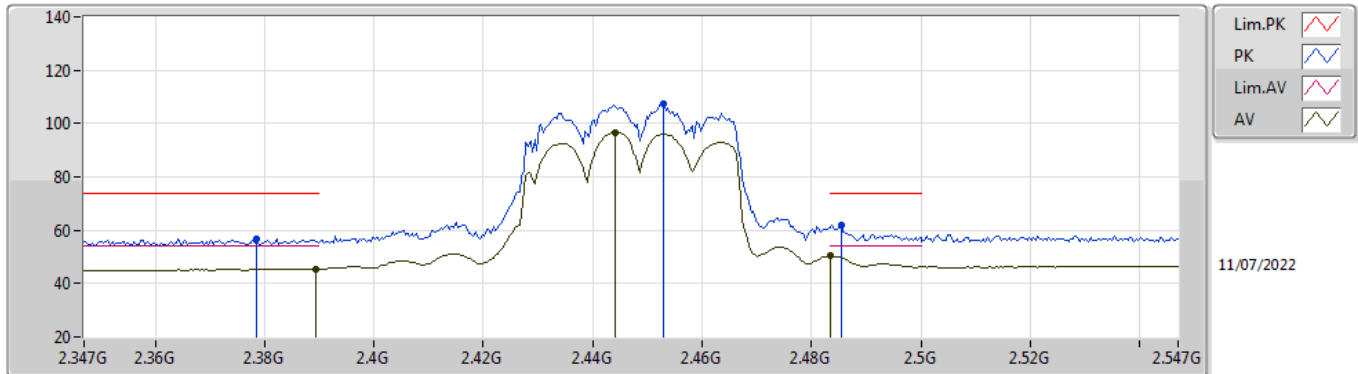
2437MHz_TX



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	4.87396G	40.95	54.00	-13.05	4.63	3	Horizontal	336	1.01	-	36.32	32.70	6.72	34.79
PK	4.87396G	49.50	74.00	-24.50	4.63	3	Horizontal	336	1.01	-	44.87	32.70	6.72	34.79

802.11ax HEW40_Nss1,(MCS0)_2TX

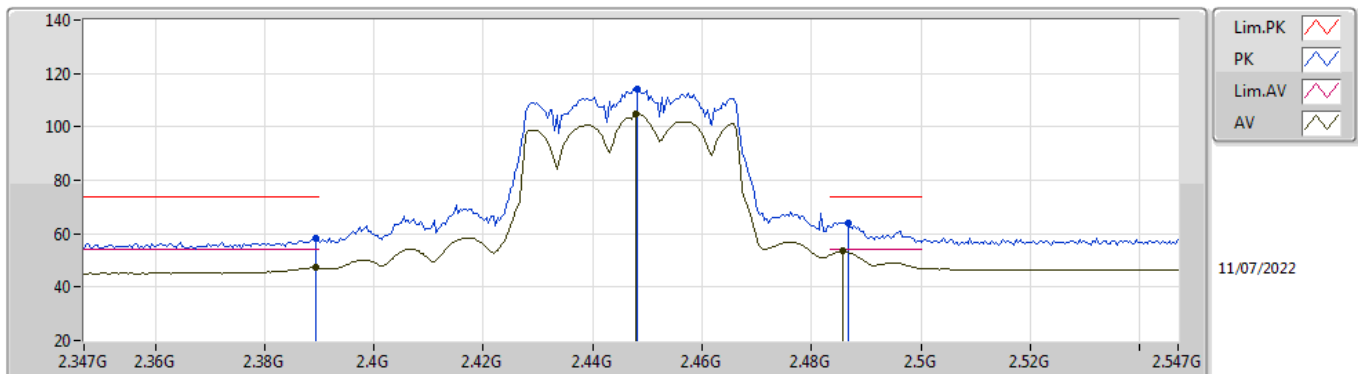
2447MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	45.55	54.00	-8.45	32.01	3	Vertical	187	1.50	-	13.54	27.44	4.57	-
AV	2.4442G	96.72	Inf	-Inf	32.19	3	Vertical	187	1.50	-	64.53	27.59	4.60	-
AV	2.4835G	50.29	54.00	-3.71	32.41	3	Vertical	187	1.50	-	17.88	27.80	4.61	-
PK	2.3786G	56.63	74.00	-17.37	31.93	3	Vertical	187	1.50	-	24.70	27.37	4.56	-
PK	2.453G	107.60	Inf	-Inf	32.22	3	Vertical	187	1.50	-	75.38	27.62	4.60	-
PK	2.4854G	61.72	74.00	-12.28	32.42	3	Vertical	187	1.50	-	29.30	27.81	4.61	-

802.11ax HEW40_Nss1,(MCS0)_2TX

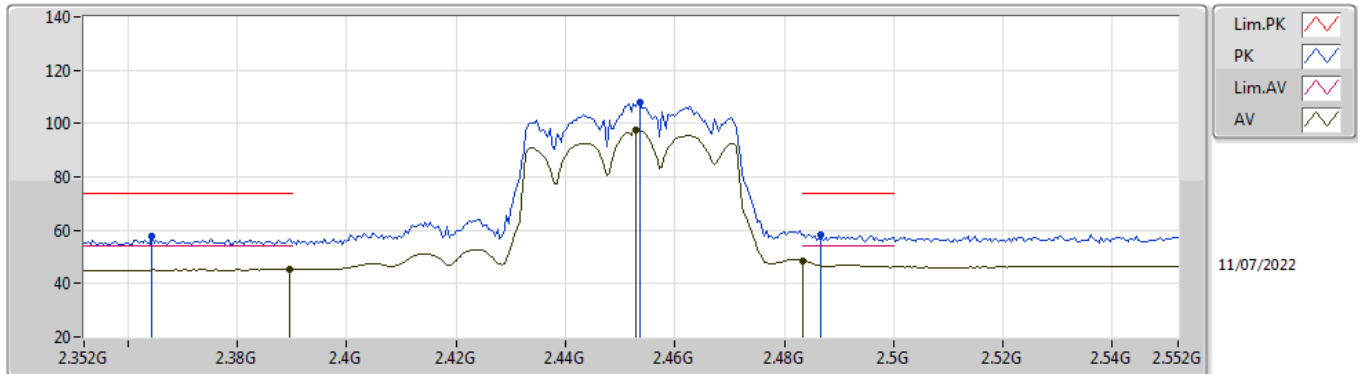
2447MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	47.29	54.00	-6.71	32.01	3	Horizontal	58	2.23	-	15.28	27.44	4.57	-
AV	2.4478G	104.77	Inf	-Inf	32.20	3	Horizontal	58	2.23	-	72.57	27.60	4.60	-
AV	2.4858G	53.42	54.00	-0.58	32.42	3	Horizontal	58	2.23	-	21.00	27.81	4.61	-
PK	2.3894G	58.10	74.00	-15.90	32.01	3	Horizontal	58	2.23	-	26.09	27.44	4.57	-
PK	2.4482G	114.31	Inf	-Inf	32.20	3	Horizontal	58	2.23	-	82.11	27.60	4.60	-
PK	2.4866G	64.09	74.00	-9.91	32.43	3	Horizontal	58	2.23	-	31.66	27.82	4.61	-

802.11ax HEW40_Nss1,(MCS0)_2TX

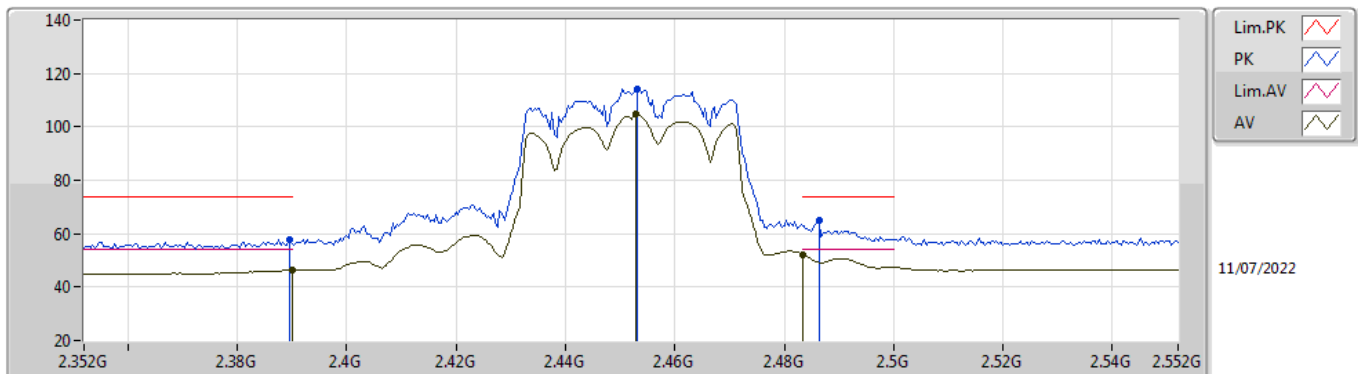
2452MHz_TX



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	45.29	54.00	-8.71	32.01	3	Vertical	191	1.90	-	13.28	27.44	4.57	-
AV	2.4528G	97.73	Inf	-Inf	32.22	3	Vertical	191	1.90	-	65.51	27.62	4.60	-
AV	2.4835G	48.46	54.00	-5.54	32.41	3	Vertical	191	1.90	-	16.05	27.80	4.61	-
PK	2.3644G	57.56	74.00	-16.44	31.84	3	Vertical	191	1.90	-	25.72	27.29	4.55	-
PK	2.4536G	107.97	Inf	-Inf	32.22	3	Vertical	191	1.90	-	75.75	27.62	4.60	-
PK	2.4868G	58.37	74.00	-15.63	32.43	3	Vertical	191	1.90	-	25.94	27.82	4.61	-

802.11ax HEW40_Nss1,(MCS0)_2TX

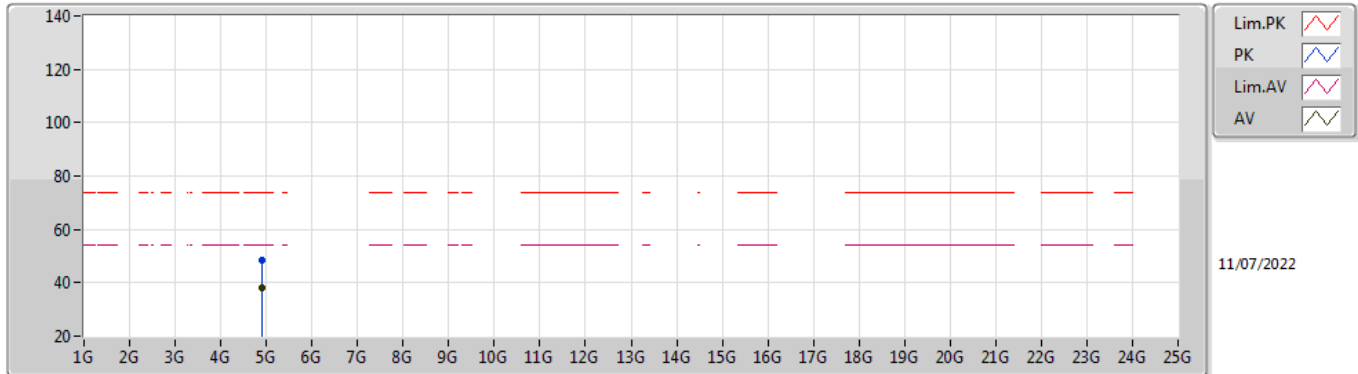
2452MHz_TX



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	46.39	54.00	-7.61	32.01	3	Horizontal	55	2.53	-	14.38	27.44	4.57	-
AV	2.4528G	104.59	Inf	-Inf	32.22	3	Horizontal	55	2.53	-	72.37	27.62	4.60	-
AV	2.4835G	51.96	54.00	-2.04	32.41	3	Horizontal	55	2.53	-	19.55	27.80	4.61	-
PK	2.3896G	58.01	74.00	-15.99	32.01	3	Horizontal	55	2.53	-	26.00	27.44	4.57	-
PK	2.4532G	114.34	Inf	-Inf	32.22	3	Horizontal	55	2.53	-	82.12	27.62	4.60	-
PK	2.4864G	64.75	74.00	-9.25	32.43	3	Horizontal	55	2.53	-	32.32	27.82	4.61	-

802.11ax HEW40_Nss1,(MCS0)_2TX

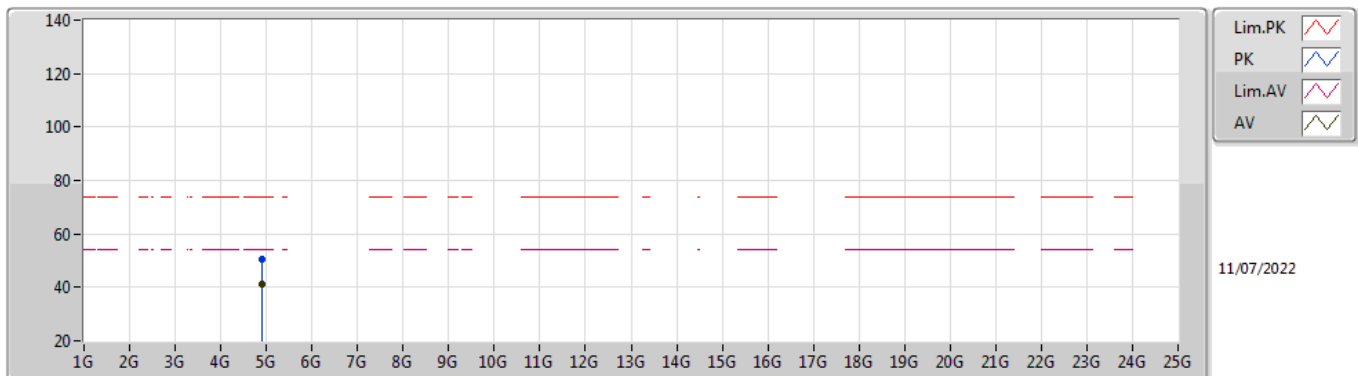
2452MHz_TX



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	4.90399G	37.99	54.00	-16.01	4.78	3	Vertical	24	1.63	-	33.21	32.82	6.74	34.78
PK	4.90353G	48.38	74.00	-25.62	4.76	3	Vertical	24	1.63	-	43.62	32.81	6.74	34.79

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	4.90399G	41.40	54.00	-12.60	4.78	3	Horizontal	344	1.59	-	36.62	32.82	6.74	34.78
PK	4.90415G	50.61	74.00	-23.39	4.78	3	Horizontal	344	1.59	-	45.83	32.82	6.74	34.78



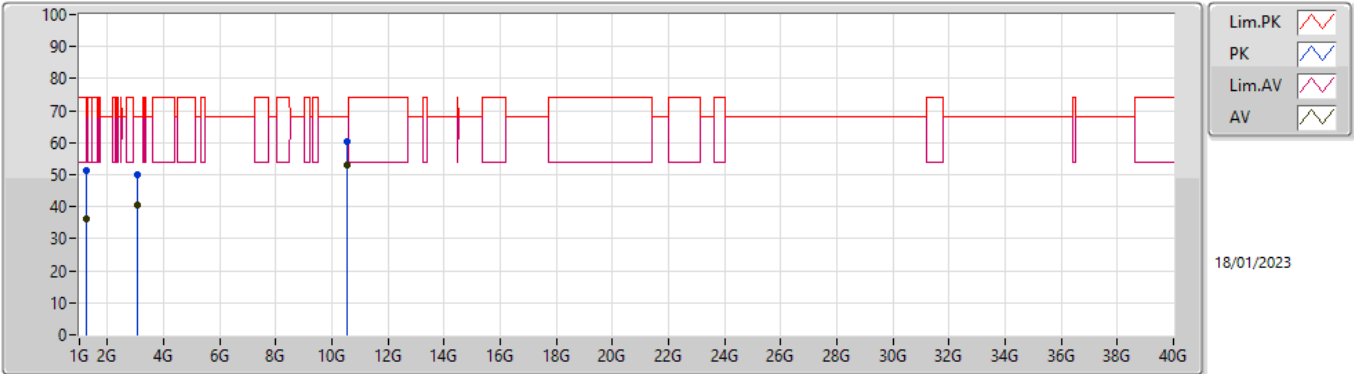
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	PK	10.5398G	60.50	68.20	-7.70	Vertical

Result

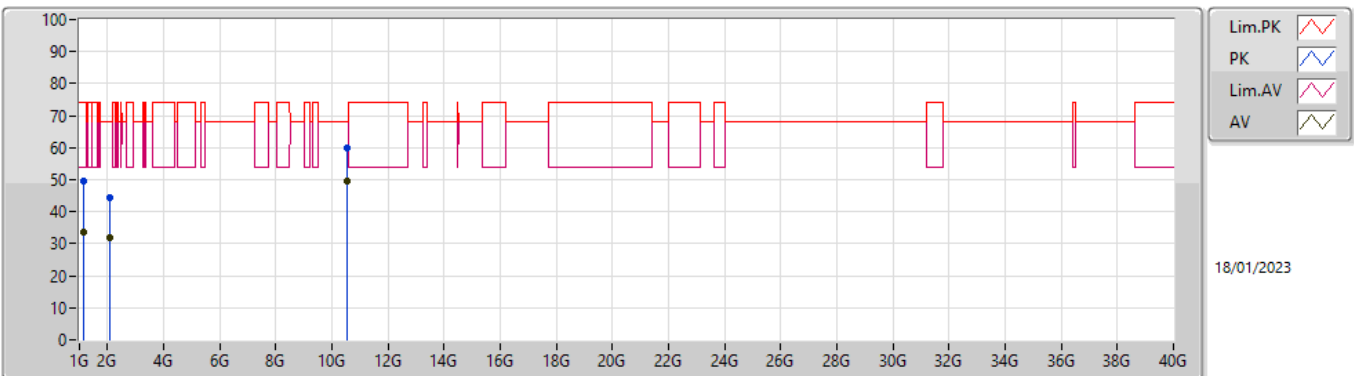
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	1.2481G	36.08	68.20	-32.12	3	Vertical	230	1.53	-
Mode 1	Pass	AV	3.054G	40.60	68.20	-27.60	3	Vertical	346	2.38	-
Mode 1	Pass	AV	10.5406G	53.05	68.20	-15.15	3	Vertical	83	2.02	-
Mode 1	Pass	PK	1.24817G	51.11	68.20	-17.09	3	Vertical	230	1.53	-
Mode 1	Pass	PK	3.061G	49.95	68.20	-18.25	3	Vertical	346	2.38	-
Mode 1	Pass	PK	10.5398G	60.50	68.20	-7.70	3	Vertical	83	2.02	-
Mode 1	Pass	AV	1.12851G	33.45	54.00	-20.55	3	Horizontal	217	2.45	-
Mode 1	Pass	AV	2.0586G	31.75	68.20	-36.45	3	Horizontal	109	1.78	-
Mode 1	Pass	AV	10.5507G	49.47	68.20	-18.73	3	Horizontal	335	1.31	-
Mode 1	Pass	PK	1.1253G	49.42	74.00	-24.58	3	Horizontal	217	2.45	-
Mode 1	Pass	PK	2.0601G	44.19	68.20	-24.01	3	Horizontal	109	1.78	-
Mode 1	Pass	PK	10.54943G	59.90	68.20	-8.30	3	Horizontal	335	1.31	-

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.2481G	36.08	68.20	-32.12	-6.56	3	Vertical	230	1.53	-	42.64	25.80	2.94	35.30
AV	3.054G	40.60	68.20	-27.60	-0.50	3	Vertical	346	2.38	-	41.10	29.62	4.63	34.75
AV	10.5406G	53.05	68.20	-15.15	12.37	3	Vertical	83	2.02	-	40.68	38.98	8.10	34.71
PK	1.24817G	51.11	68.20	-17.09	-6.56	3	Vertical	230	1.53	-	57.67	25.80	2.94	35.30
PK	3.061G	49.95	68.20	-18.25	-0.47	3	Vertical	346	2.38	-	50.42	29.64	4.64	34.75
PK	10.5398G	60.50	68.20	-7.70	12.37	3	Vertical	83	2.02	-	48.13	38.98	8.10	34.71

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.12851G	33.45	54.00	-20.55	-6.90	3	Horizontal	217	2.45	-	40.35	25.84	2.78	35.52
AV	2.0586G	31.75	68.20	-36.45	-3.90	3	Horizontal	109	1.78	-	35.65	26.87	3.85	34.62
AV	10.5507G	49.47	68.20	-18.73	12.39	3	Horizontal	335	1.31	-	37.08	39.00	8.10	34.71
PK	1.1253G	49.42	74.00	-24.58	-6.95	3	Horizontal	217	2.45	-	56.37	25.80	2.77	35.52
PK	2.0601G	44.19	68.20	-24.01	-3.89	3	Horizontal	109	1.78	-	48.08	26.88	3.85	34.62
PK	10.54943G	59.90	68.20	-8.30	12.39	3	Horizontal	335	1.31	-	47.51	39.00	8.10	34.71