



FCC Radio Test Report

FCC ID : UDX-600173010
Equipment : Z4 Teleworker Gateway
Brand Name : CISCO
Model Name : Z4-HW
Applicant : Cisco Systems, Inc.
170 West Tasman Drive San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Oct. 12, 2022, and testing was started from Oct. 20, 2022 and completed on Dec. 06, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



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History of this test report

[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	-

Declaration of Conformity:

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

Comments and explanations:

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

Reviewed by: Barry Hsiao

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

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

Non-Beamforming

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

Beamforming

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

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Radio
1	SENAO	5718A0720300	PIFA antenna	I-PEX	1 (5G) 2 (2.4G)
2	SENAO	5718A0721300	PIFA antenna	I-PEX	

Ant.	Port	Gain (dBi)	
		2.4G	5G
1	1	4.47	5.16
2	2	3.85	5.28

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

Note 2: Directional gain informaion

	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	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.62	2.08	665u	3k
802.11g_Nss1,(6Mbps)_2TX	0.965	0.15	1.977m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.943	0.25	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.947	0.24	5.446m	300

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

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.943	0.25	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.947	0.24	5.446m	300

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

1.2 Testing Applied Standards

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

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

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

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

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Lego Lin	21.6~22.8°C / 58~61%	25/Nov/2022
RF Conducted	TH07-HY	Yuna Lin	22.3~23.6°C / 54~63%	23/Nov/2022~24/Nov/2022
Radiated (Below 1GHz)	03CH02-HY	Ivan Chung	20.1~23.2°C / 53~64%	06/Dec/2022
Radiated (Above 1GHz)	03CH02-HY	Ivan Chung	20.2~23.5°C / 51~60%	20/Oct/2022~27/Oct/2022
Radiated (Above 1GHz)	03CH03-HY	Lego Lin	20.2~22.8°C / 52~62%	21/Nov/2022~23/Nov/2022
Radiated (Co-location)	03CH02-HY	Ivan Chung	20.1~23.0°C / 54~60%	06/Dec/2022
☐ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

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

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	21
2417MHz	21
2437MHz	23
2457MHz	21.5
2462MHz	21
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	20.5
2417MHz	21.5
2437MHz	23
2457MHz	20.5
2462MHz	20.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	19.5
2417MHz	20.5
2437MHz	23
2457MHz	21
2462MHz	19.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	18
2427MHz	18.5
2437MHz	19.5
2447MHz	18.5
2452MHz	18

**Beamforming**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	19.5
2417MHz	20.5
2437MHz	23
2457MHz	21
2462MHz	19.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	18
2427MHz	18.5
2437MHz	19.5
2447MHz	18.5
2452MHz	18

2.2 The Worst Case Measurement Configuration

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

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

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA263027 for Co-location RF Exposure Evaluation.	

2.3 Accessories

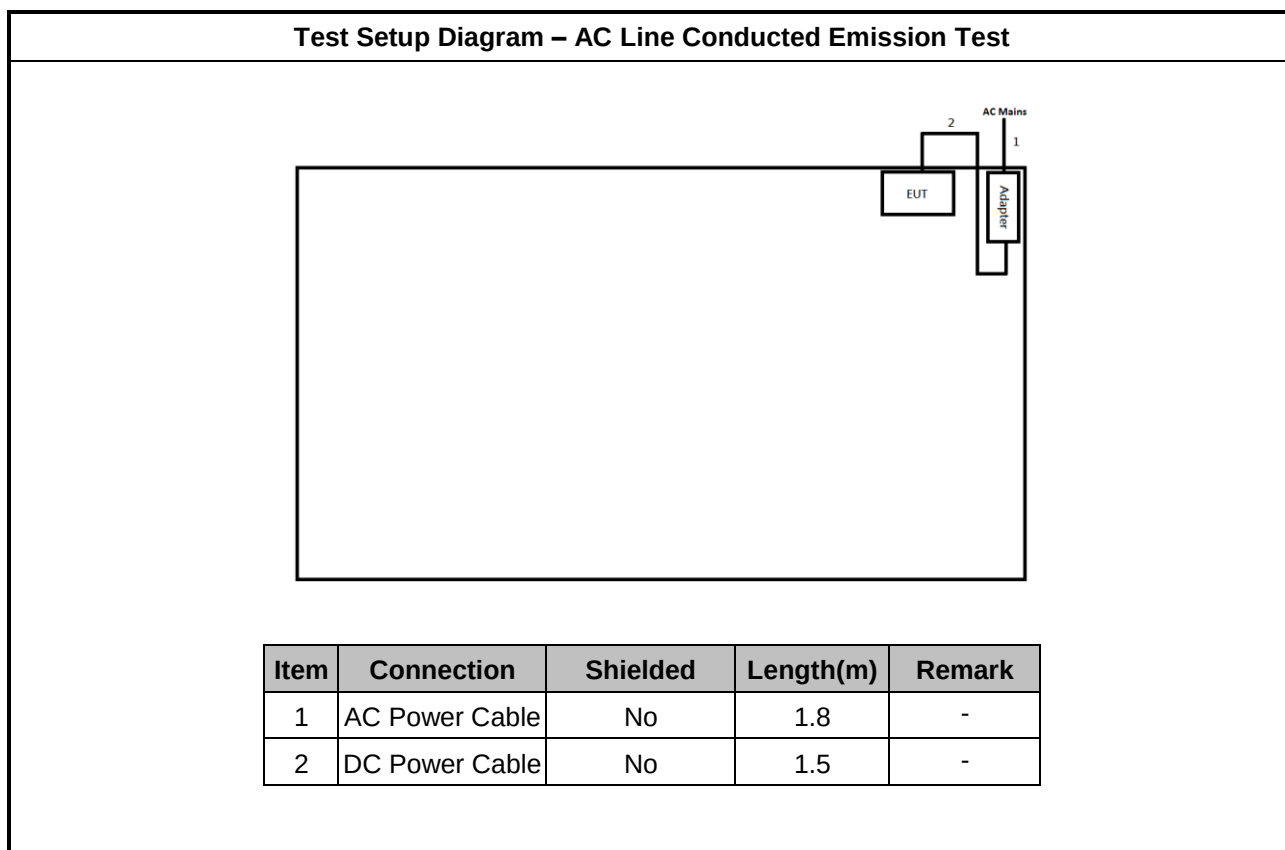
Accessories				
AC Adapter 1	Brand Name	CISCO	Model Name	MA-PWR-50WAC
	Power Rating	I/P: 100 - 240 Vac, 2 A ,50/60Hz, O/P: 54.0 Vdc, 0.92 A,50 W		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		
AC Adapter 2	Brand Name	FSP	Model Name	FSP050-DWAA1
	Power Rating	I/P: 100 - 240 Vac, 1.6 A ,50/60Hz, O/P: 54.0 Vdc, 0.93 A,50 W		
	Power Cord	1.5 meter, non-shielded cable, with ferrite core		
AC Adapter 3	Brand Name	LITEON	Model Name	PA-1500-54C1
	Power Rating	I/P: 100 - 240 Vac 50/60 Hz, 1.5 A, O/P: 54.0 Vdc, 0.925 A 50W		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		

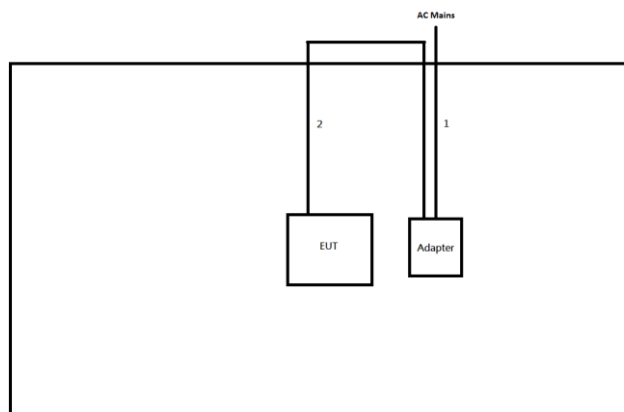
Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

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

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test


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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

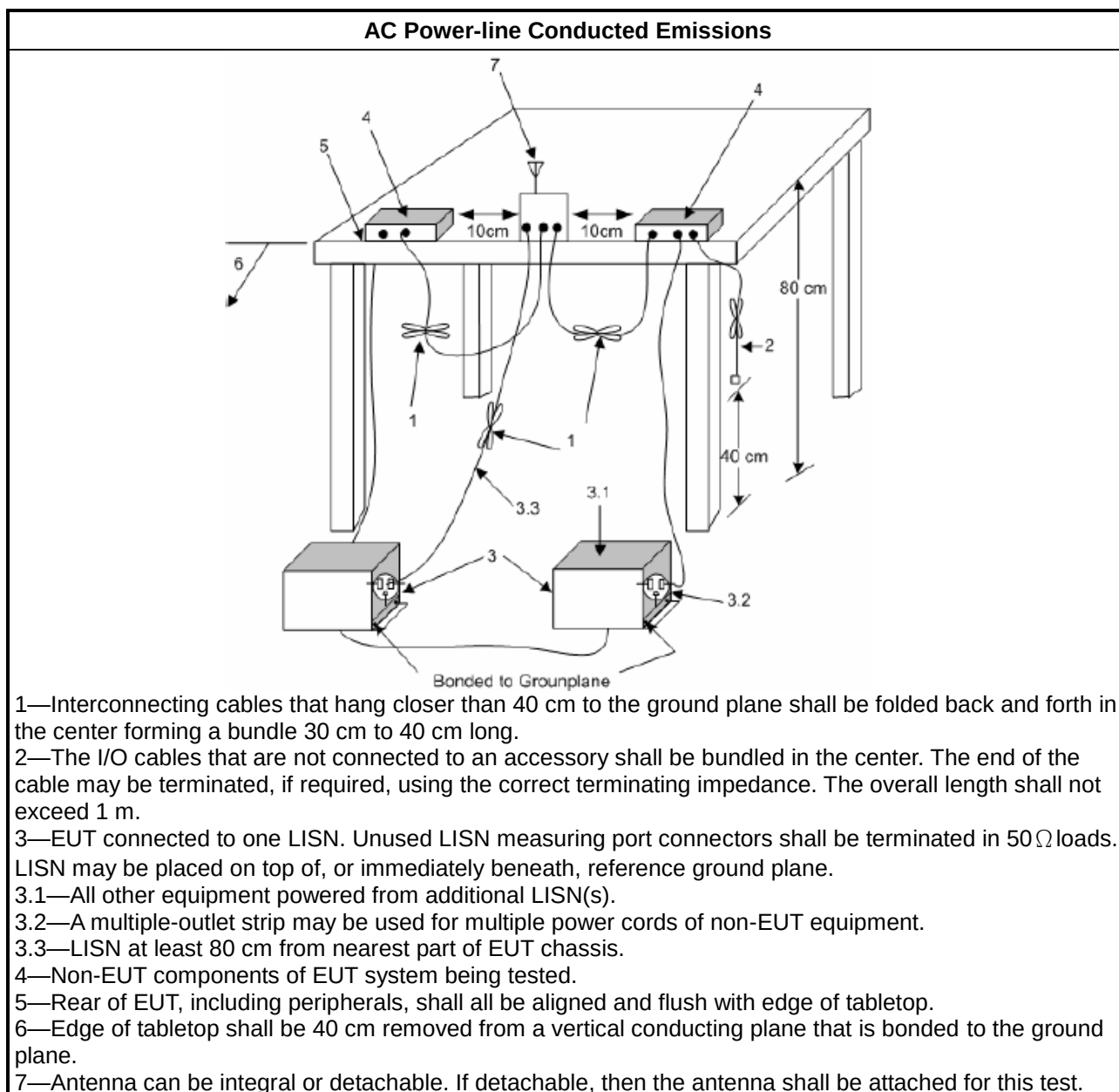
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



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.

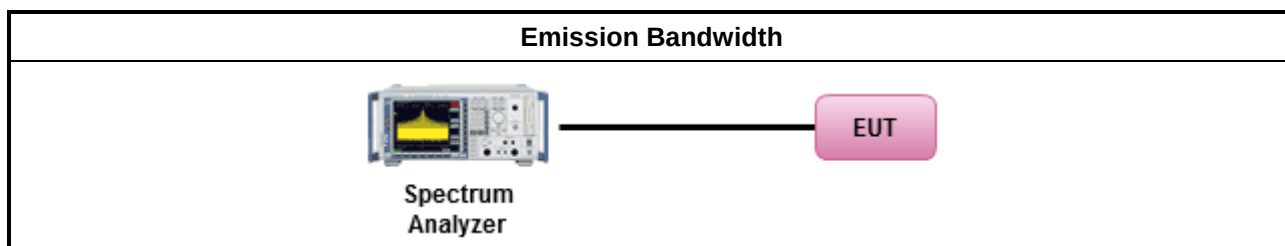
3.2.2 Measuring Instruments

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.	

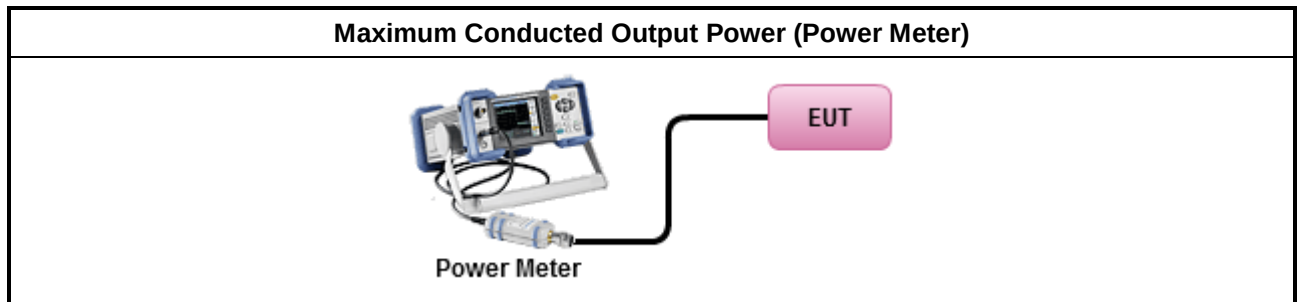
3.3.2 Measuring Instruments

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

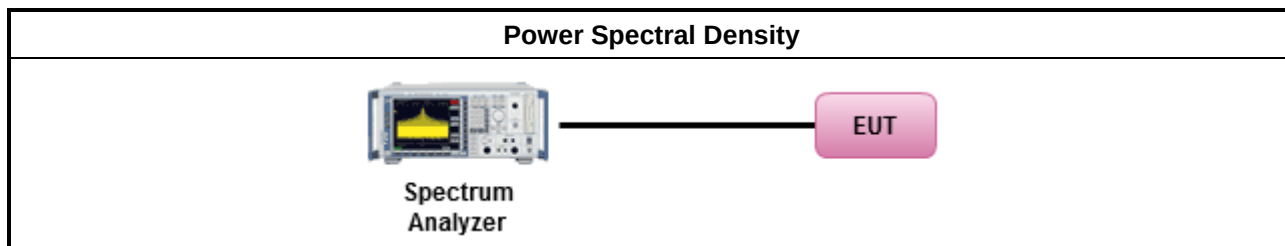
3.4.2 Measuring Instruments

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.	

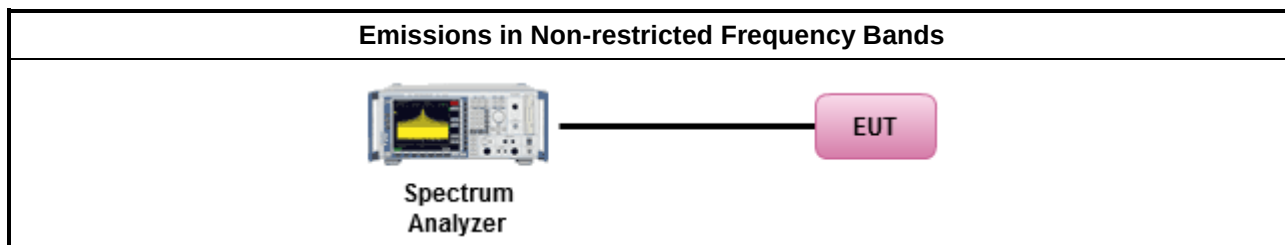
3.5.2 Measuring Instruments

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

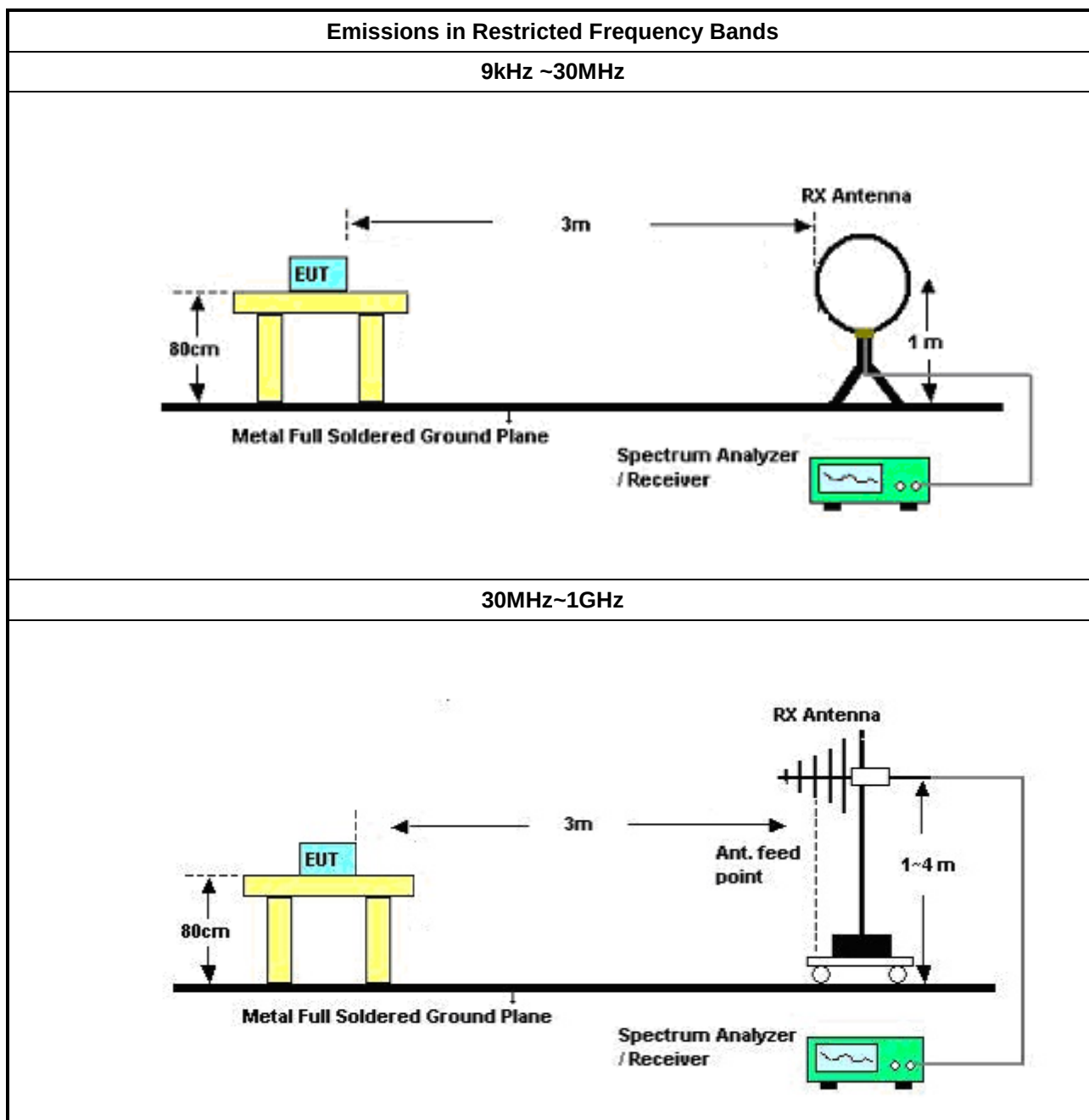
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

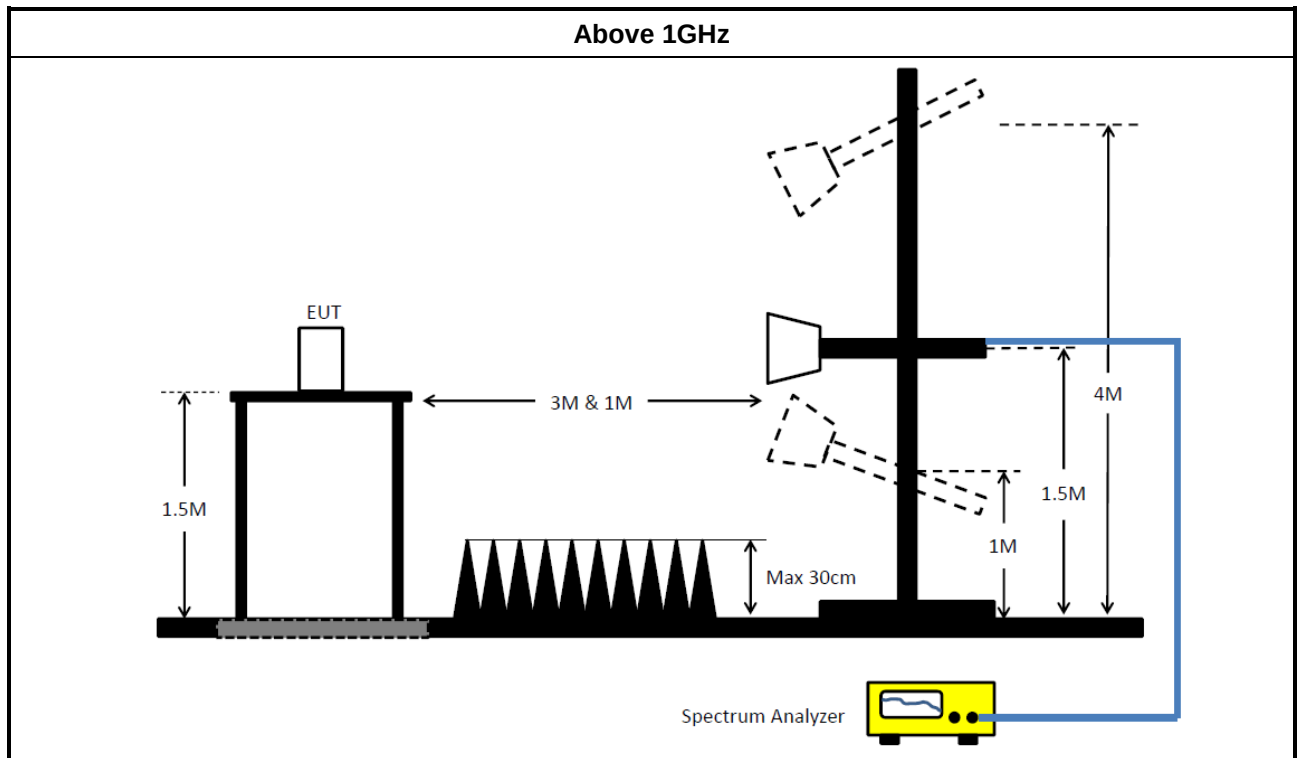
3.6.4 Measurement Results Calculation

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
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/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	Sporton	V5.10.8.7.3	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH02-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	31/Jul/2022	30/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40 GHz	26/Oct/2022	25/Oct/2023
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	28/Jun/2022	27/Jun/2023
Microwave System Premplifier	KEYSIGHT	83017A	MY53270197	1GHz~26.5GHz	30/Nov/2021	29/Nov/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	04/May/2022	03/May/2023
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	04/May/2022	03/May/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	01/Apr/2022	31/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	02/Nov/2022	01/Nov/2023
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	21/Mar/2022	20/Mar/2023
SENSE-15247_DTS	Sporton	v5.10.8.3	NA	5G	NA	NA

Instrument for Radiated Test (03CH03-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	02/Aug/2022	01/Aug/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2022	25/Oct/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-01	1GHz~40GHz	27/Jul/2022	26/Jul/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-15247_DTS	Sporton	v5.10.8.3	NA	5G	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	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	01/Apr/2022	31/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	21/Mar/2022	20/Mar/2023
SENSE-EMI	Sporton	v5.10.8.5	NA	NA	NA	NA



Conducted Emissions at Powerline_Non-Beamforming

Appendix A

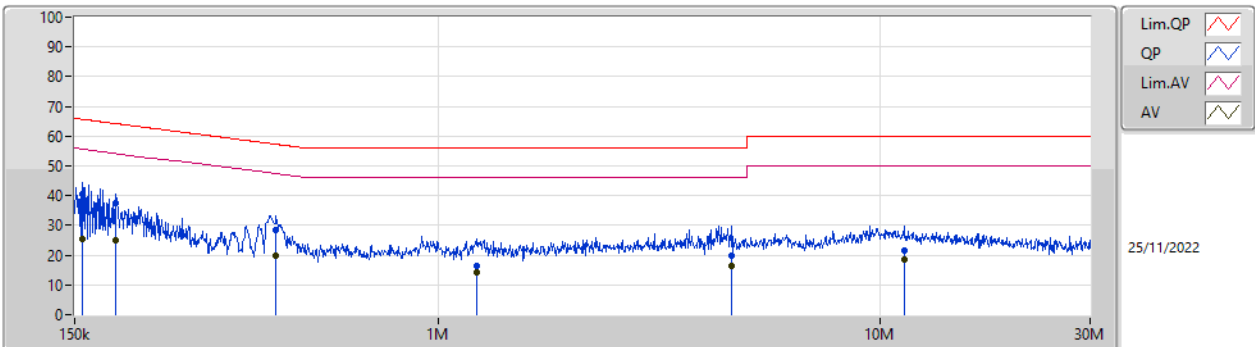
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	156.734k	40.89	65.64	-24.75	Neutral

Result

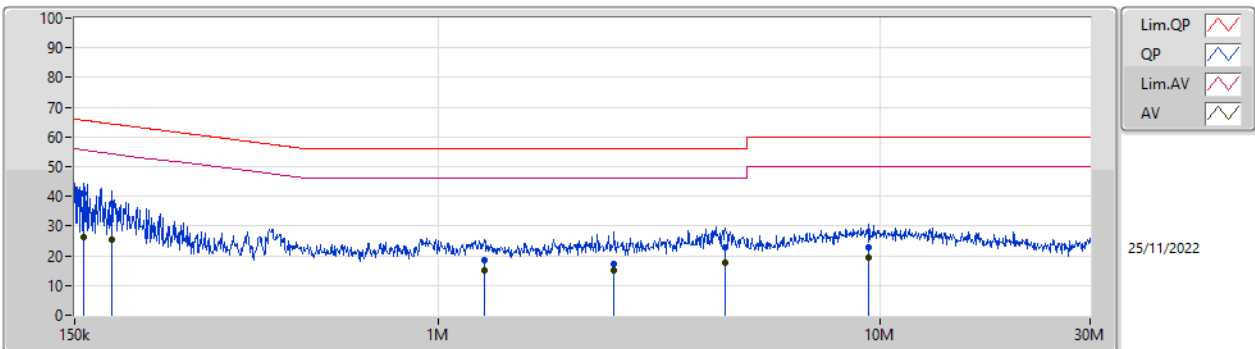
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	156.109k	40.70	65.67	-24.97	Line	-
Mode 1	Pass	AV	156.109k	25.25	55.67	-30.42	Line	-
Mode 1	Pass	QP	185.344k	37.70	64.24	-26.54	Line	-
Mode 1	Pass	AV	185.344k	25.15	54.24	-29.09	Line	-
Mode 1	Pass	QP	428.605k	28.31	57.28	-28.97	Line	-
Mode 1	Pass	AV	428.605k	19.80	47.28	-27.48	Line	-
Mode 1	Pass	QP	1.22M	16.27	56.00	-39.73	Line	-
Mode 1	Pass	AV	1.22M	14.09	46.00	-31.91	Line	-
Mode 1	Pass	QP	4.628M	19.95	56.00	-36.05	Line	-
Mode 1	Pass	AV	4.628M	16.22	46.00	-29.78	Line	-
Mode 1	Pass	QP	11.362M	21.40	60.00	-38.60	Line	-
Mode 1	Pass	AV	11.362M	18.73	50.00	-31.27	Line	-
Mode 1	Pass	QP	156.734k	40.89	65.64	-24.75	Neutral	-
Mode 1	Pass	AV	156.734k	26.18	55.64	-29.46	Neutral	-
Mode 1	Pass	QP	182.408k	37.44	64.37	-26.93	Neutral	-
Mode 1	Pass	AV	182.408k	25.58	54.37	-28.79	Neutral	-
Mode 1	Pass	QP	1.275M	18.33	56.00	-37.67	Neutral	-
Mode 1	Pass	AV	1.275M	14.97	46.00	-31.03	Neutral	-
Mode 1	Pass	QP	2.502M	17.26	56.00	-38.74	Neutral	-
Mode 1	Pass	AV	2.502M	15.12	46.00	-30.88	Neutral	-
Mode 1	Pass	QP	4.464M	22.99	56.00	-33.01	Neutral	-
Mode 1	Pass	AV	4.464M	17.49	46.00	-28.51	Neutral	-
Mode 1	Pass	QP	9.418M	22.66	60.00	-37.34	Neutral	-
Mode 1	Pass	AV	9.418M	19.46	50.00	-30.54	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	156.109k	40.70	65.67	-24.97	19.65	Line	-	21.05	9.69	0.03	9.93				
AV	156.109k	25.25	55.67	-30.42	19.65	Line	-	5.60	9.69	0.03	9.93				
QP	185.344k	37.70	64.24	-26.54	19.65	Line	-	18.05	9.69	0.03	9.93				
AV	185.344k	25.15	54.24	-29.09	19.65	Line	-	5.50	9.69	0.03	9.93				
QP	428.605k	28.31	57.28	-28.97	19.68	Line	-	8.63	9.68	0.04	9.96				
AV	428.605k	19.80	47.28	-27.48	19.68	Line	-	0.12	9.68	0.04	9.96				
QP	1.22M	16.27	56.00	-39.73	19.69	Line	-	-3.42	9.69	0.06	9.94				
AV	1.22M	14.09	46.00	-31.91	19.69	Line	-	-5.60	9.69	0.06	9.94				
QP	4.628M	19.95	56.00	-36.05	19.80	Line	-	0.15	9.73	0.14	9.93				
AV	4.628M	16.22	46.00	-29.78	19.80	Line	-	-3.58	9.73	0.14	9.93				
QP	11.362M	21.40	60.00	-38.60	19.97	Line	-	1.43	9.81	0.20	9.96				
AV	11.362M	18.73	50.00	-31.27	19.97	Line	-	-1.24	9.81	0.20	9.96				

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	156.734k	40.89	65.64	-24.75	19.69	Neutral	-	21.20	9.73	0.03	9.93				
AV	156.734k	26.18	55.64	-29.46	19.69	Neutral	-	6.49	9.73	0.03	9.93				
QP	182.408k	37.44	64.37	-26.93	19.68	Neutral	-	17.76	9.72	0.03	9.93				
AV	182.408k	25.58	54.37	-28.79	19.68	Neutral	-	5.90	9.72	0.03	9.93				
QP	1.275M	18.33	56.00	-37.67	19.73	Neutral	-	-1.40	9.73	0.06	9.94				
AV	1.275M	14.97	46.00	-31.03	19.73	Neutral	-	-4.76	9.73	0.06	9.94				
QP	2.502M	17.26	56.00	-38.74	19.79	Neutral	-	-2.53	9.75	0.10	9.94				
AV	2.502M	15.12	46.00	-30.88	19.79	Neutral	-	-4.67	9.75	0.10	9.94				
QP	4.464M	22.99	56.00	-33.01	19.85	Neutral	-	3.14	9.78	0.14	9.93				
AV	4.464M	17.49	46.00	-28.51	19.85	Neutral	-	-2.36	9.78	0.14	9.93				
QP	9.418M	22.66	60.00	-37.34	20.02	Neutral	-	2.64	9.88	0.18	9.96				
AV	9.418M	19.46	50.00	-30.54	20.02	Neutral	-	-0.56	9.88	0.18	9.96				

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.05M	13.13M	13M1G1D	7.05M	12.884M
802.11g_Nss1,(6Mbps)_2TX	15.075M	16.928M	16M9D1D	15M	16.354M
802.11ax HEW20_Nss1,(MCS0)_2TX	17.825M	19.051M	19M1D1D	14.9M	18.856M
802.11ax HEW40_Nss1,(MCS0)_2TX	32.65M	37.76M	37M8D1D	28.8M	37.662M

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	7.575M	12.913M	7.075M	13.043M
2437MHz	Pass	500k	8.05M	13.13M	7.55M	13.058M
2462MHz	Pass	500k	7.05M	12.884M	7.075M	13.058M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.05M	16.397M	15M	16.439M
2437MHz	Pass	500k	15.075M	16.928M	15.05M	16.567M
2462MHz	Pass	500k	15.075M	16.354M	15.05M	16.354M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.375M	18.929M	17.825M	18.905M
2437MHz	Pass	500k	15.75M	19.051M	15.075M	18.978M
2462MHz	Pass	500k	14.9M	18.856M	14.95M	18.88M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	31.3M	37.711M	28.8M	37.711M
2437MHz	Pass	500k	32.65M	37.662M	31.25M	37.76M
2452MHz	Pass	500k	28.8M	37.662M	29.4M	37.662M

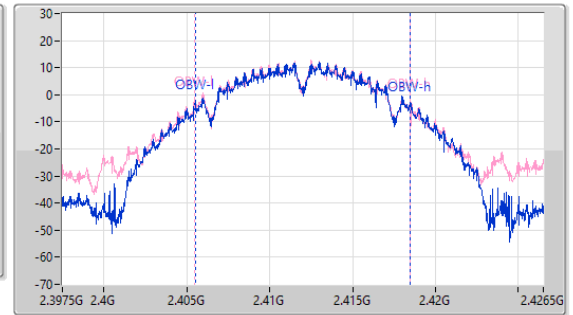
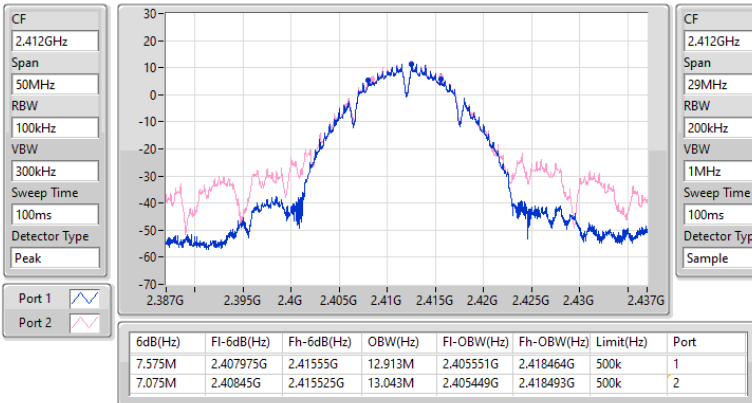
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

24/11/2022

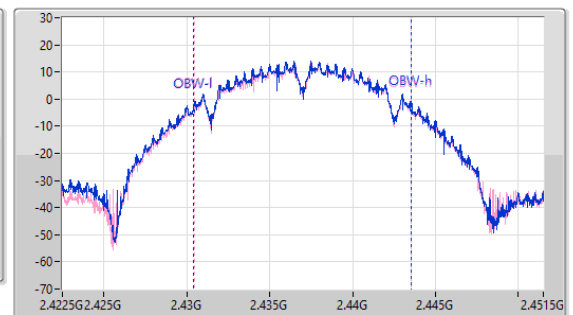
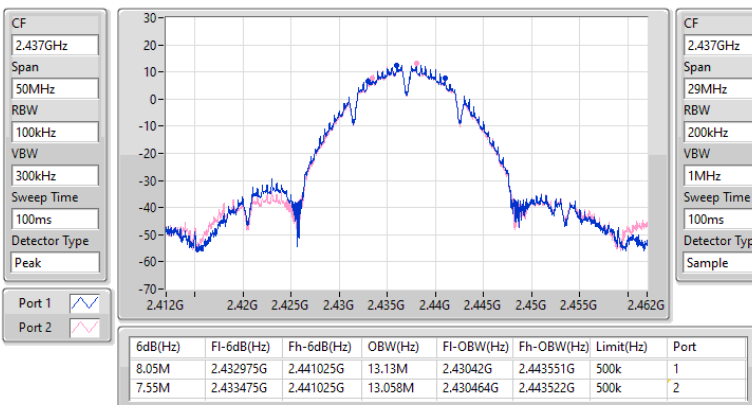


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

24/11/2022

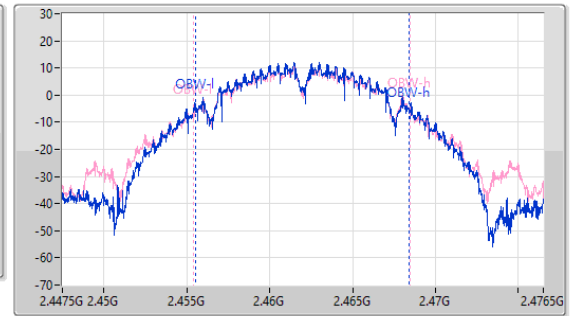
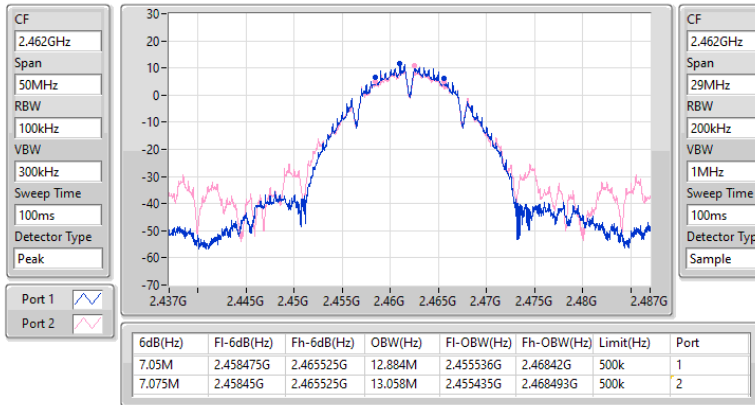


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz

EBW

24/11/2022

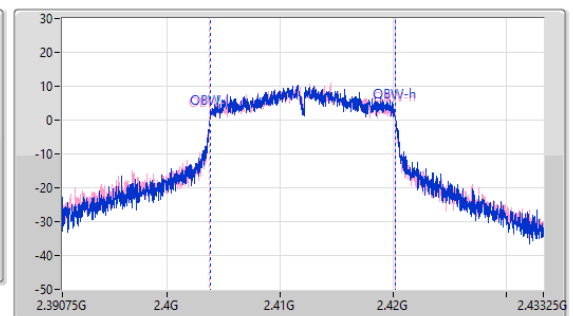
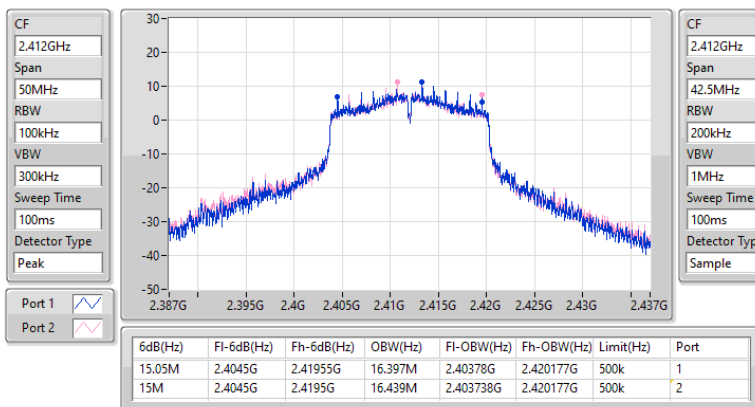


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz

EBW

23/11/2022

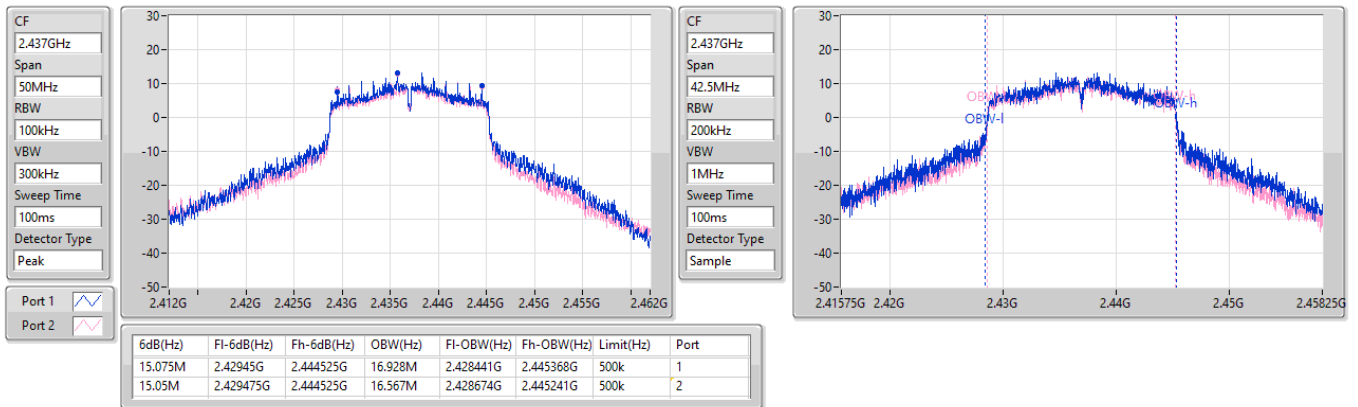


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

23/11/2022

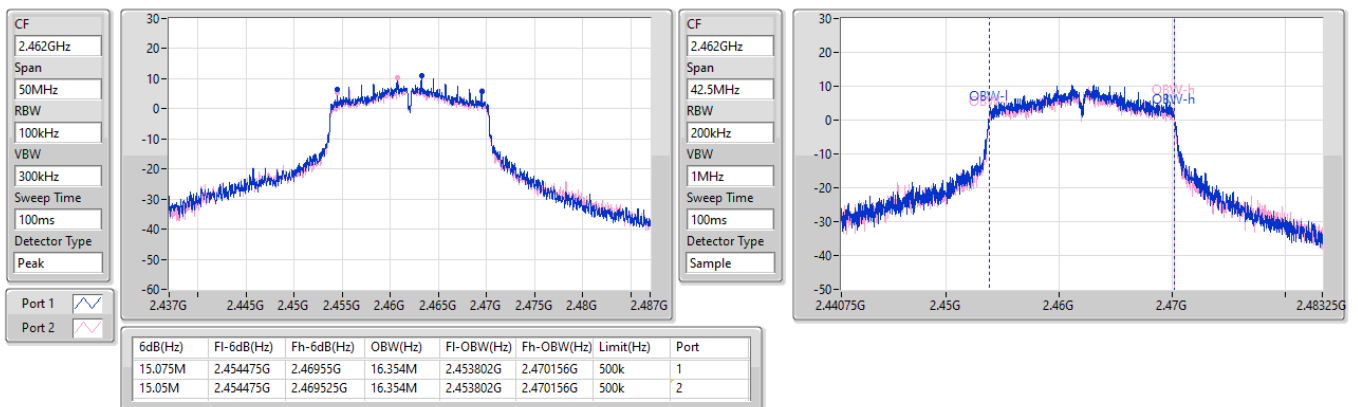


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

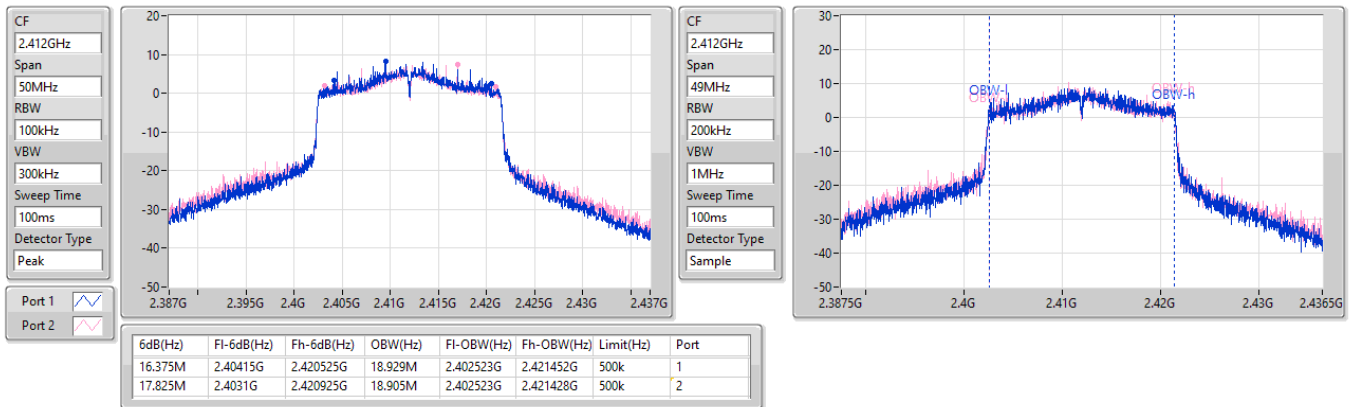
2462MHz

23/11/2022

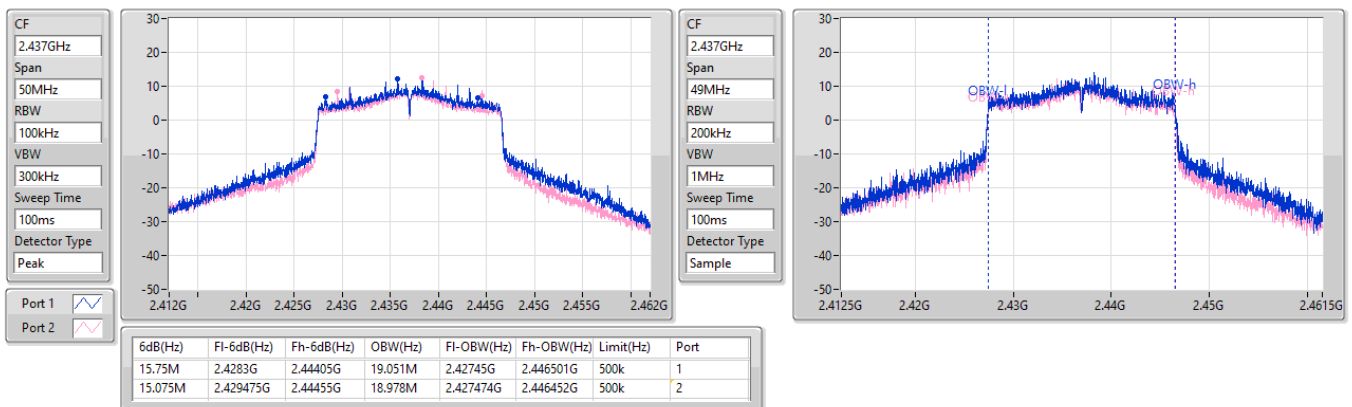


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
2412MHz
EBW

23/11/2022


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
2437MHz
EBW

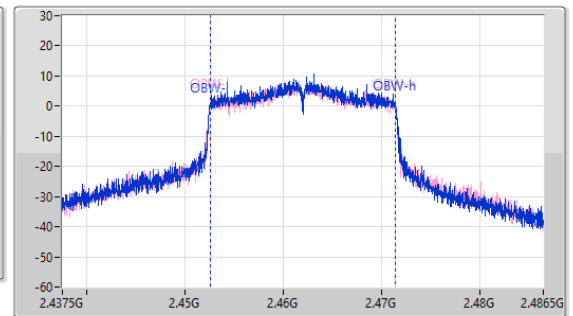
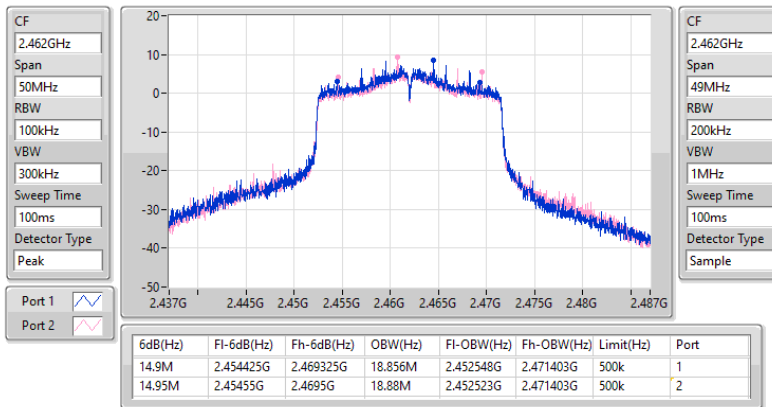
23/11/2022



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX 2462MHz

EBW

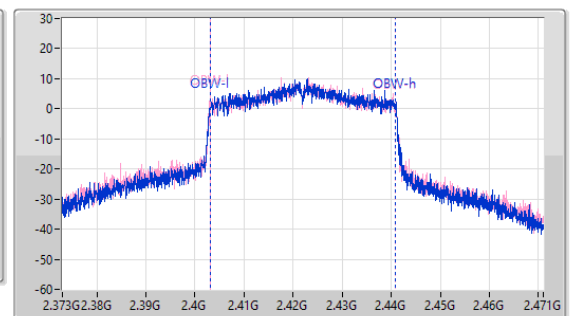
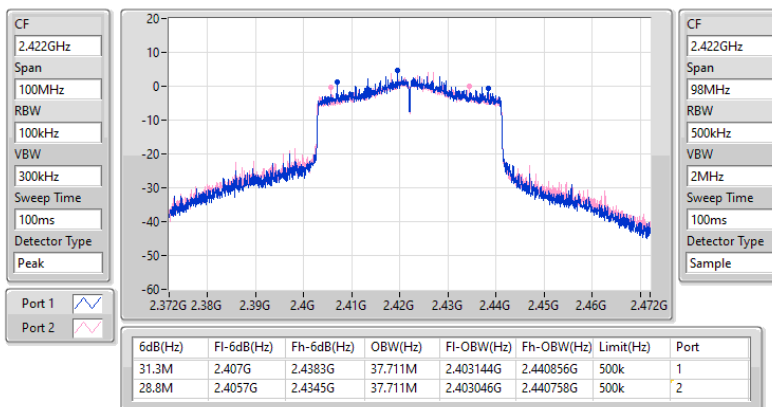
23/11/2022



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX 2422MHz

EBW

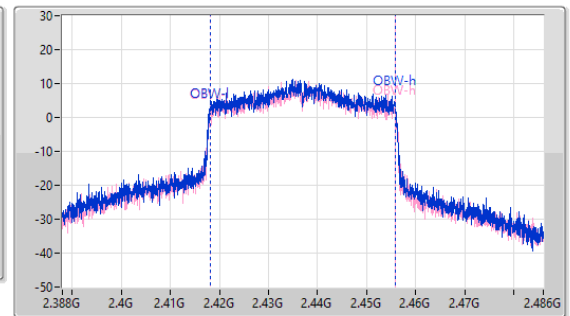
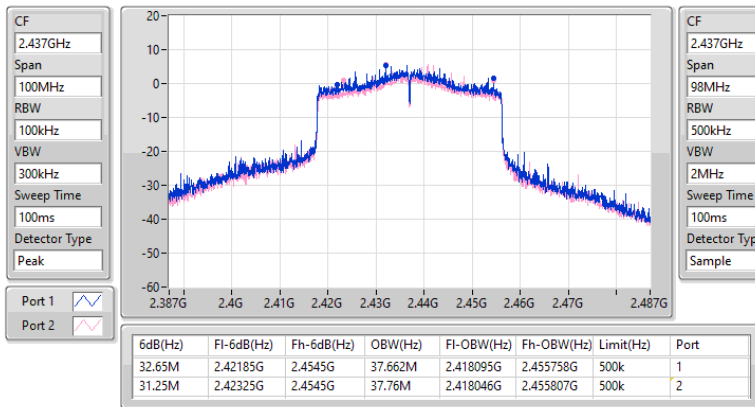
23/11/2022



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
2437MHz

EBW

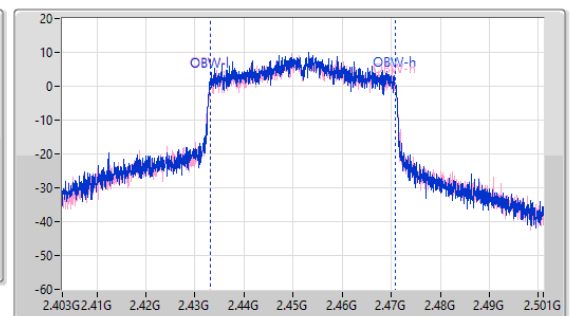
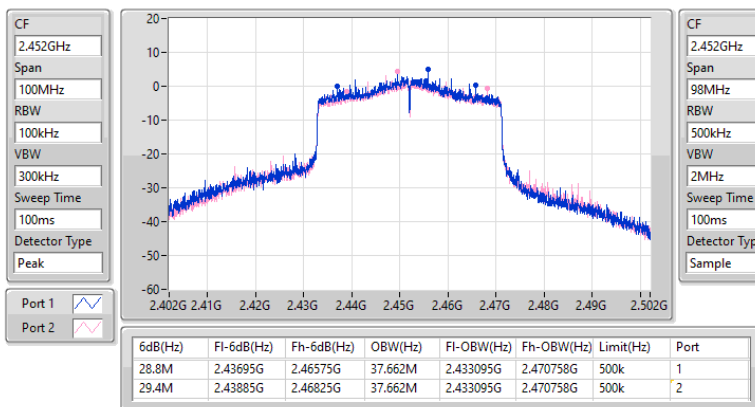
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2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
2452MHz

EBW

23/11/2022





Average Power_Non-Beamforming

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.70	0.29512
802.11g_Nss1,(6Mbps)_2TX	25.17	0.32885
802.11ax HEW20_Nss1,(MCS0)_2TX	24.71	0.29580
802.11ax HEW40_Nss1,(MCS0)_2TX	21.68	0.14723



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	4.47	20.02	20.24	23.14	30.00
2417MHz	Pass	4.47	20.08	20.15	23.13	30.00
2437MHz	Pass	4.47	21.91	21.46	24.70	30.00
2457MHz	Pass	4.47	20.58	20.10	23.36	30.00
2462MHz	Pass	4.47	19.83	19.48	22.67	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.47	20.34	20.15	23.26	30.00
2417MHz	Pass	4.47	21.18	21.02	24.11	30.00
2437MHz	Pass	4.47	22.46	21.83	25.17	30.00
2457MHz	Pass	4.47	20.16	19.34	22.78	30.00
2462MHz	Pass	4.47	19.99	19.30	22.67	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.47	18.79	18.68	21.75	30.00
2417MHz	Pass	4.47	19.68	19.55	22.63	30.00
2437MHz	Pass	4.47	22.09	21.26	24.71	30.00
2457MHz	Pass	4.47	20.19	19.41	22.83	30.00
2462MHz	Pass	4.47	18.45	17.89	21.19	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.47	17.33	17.02	20.19	30.00
2427MHz	Pass	4.47	17.80	17.66	20.74	30.00
2437MHz	Pass	4.47	19.15	18.14	21.68	30.00
2447MHz	Pass	4.47	17.94	17.40	20.69	30.00
2452MHz	Pass	4.47	17.52	16.89	20.23	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	24.61	0.28907
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.59	0.14421

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	7.18	18.64	18.56	21.61	28.82
2417MHz	Pass	7.18	19.57	19.5	22.55	28.82
2437MHz	Pass	7.18	21.95	21.21	24.61	28.82
2457MHz	Pass	7.18	20.11	19.26	22.72	28.82
2462MHz	Pass	7.18	18.33	17.76	21.06	28.82
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.18	17.21	16.95	20.09	28.82
2427MHz	Pass	7.18	17.71	17.54	20.64	28.82
2437MHz	Pass	7.18	19.08	18.01	21.59	28.82
2447MHz	Pass	7.18	17.88	17.37	20.64	28.82
2452MHz	Pass	7.18	17.42	16.77	20.12	28.82

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	1.32
802.11g_Nss1,(6Mbps)_2TX	-2.07
802.11ax HEW20_Nss1,(MCS0)_2TX	-1.55
802.11ax HEW40_Nss1,(MCS0)_2TX	-6.95

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	7.18	-2.87	-0.63	-0.26	6.82
2437MHz	Pass	7.18	-1.14	-2.30	1.32	6.82
2462MHz	Pass	7.18	-4.01	-4.28	-2.03	6.82
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.18	-5.44	-5.85	-3.83	6.82
2437MHz	Pass	7.18	-4.10	-3.40	-2.07	6.82
2462MHz	Pass	7.18	-7.01	-7.43	-4.84	6.82
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.18	-6.23	-6.80	-4.94	6.82
2437MHz	Pass	7.18	-3.43	-3.26	-1.55	6.82
2462MHz	Pass	7.18	-7.93	-7.89	-5.65	6.82
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.18	-10.31	-10.69	-8.36	6.82
2437MHz	Pass	7.18	-8.30	-9.72	-6.95	6.82
2452MHz	Pass	7.18	-10.00	-10.58	-7.97	6.82

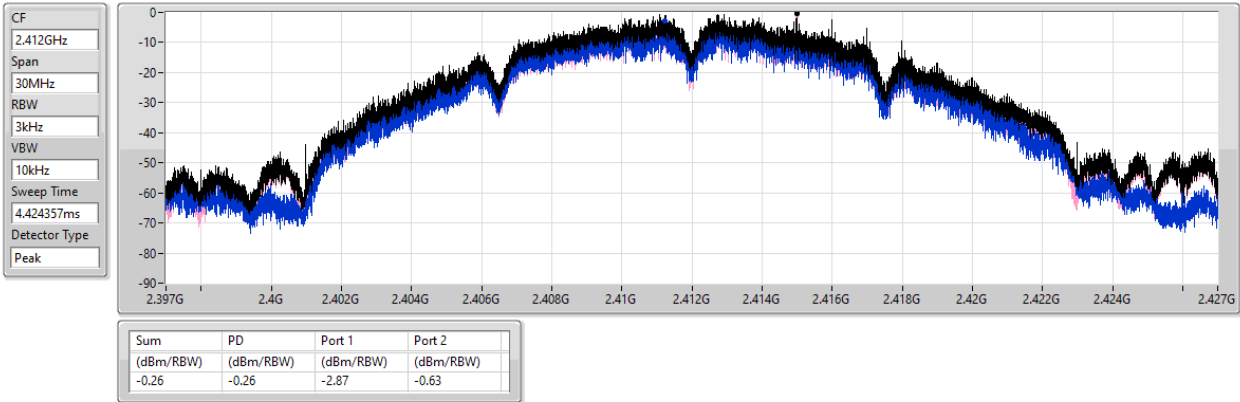
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz

PSD

23/11/2022

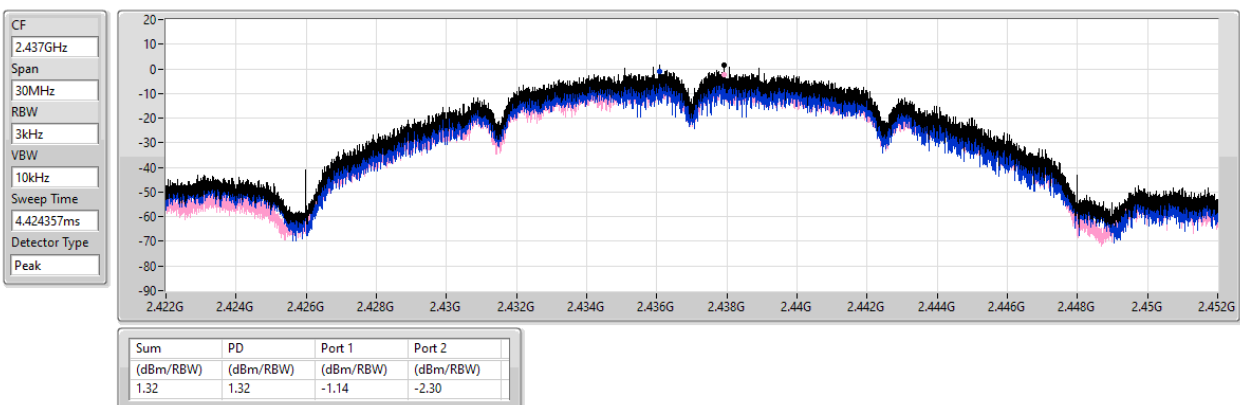


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz

PSD

23/11/2022

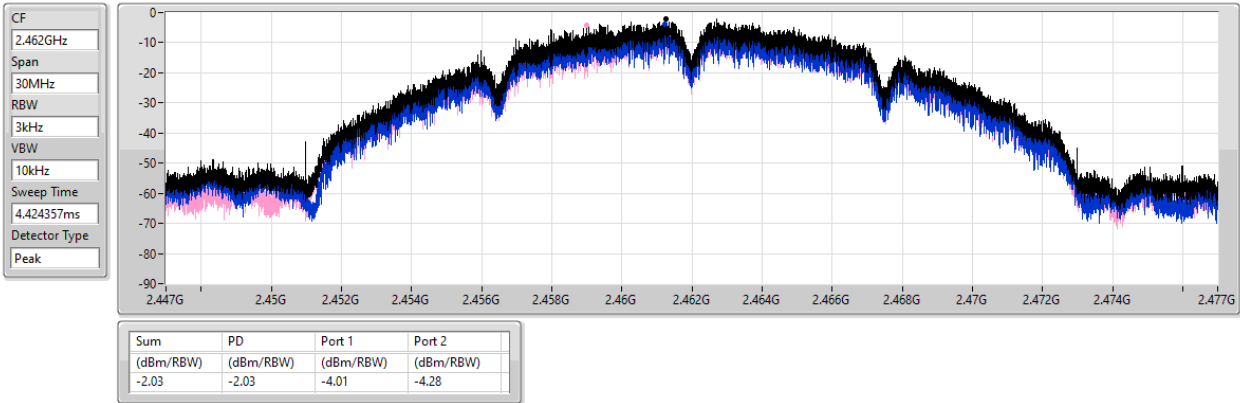


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz

PSD

23/11/2022

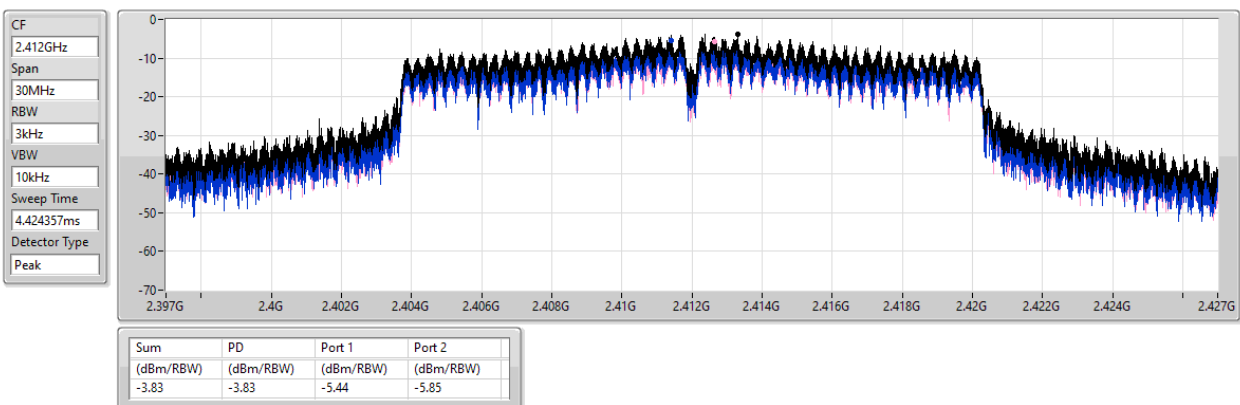


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz

PSD

23/11/2022

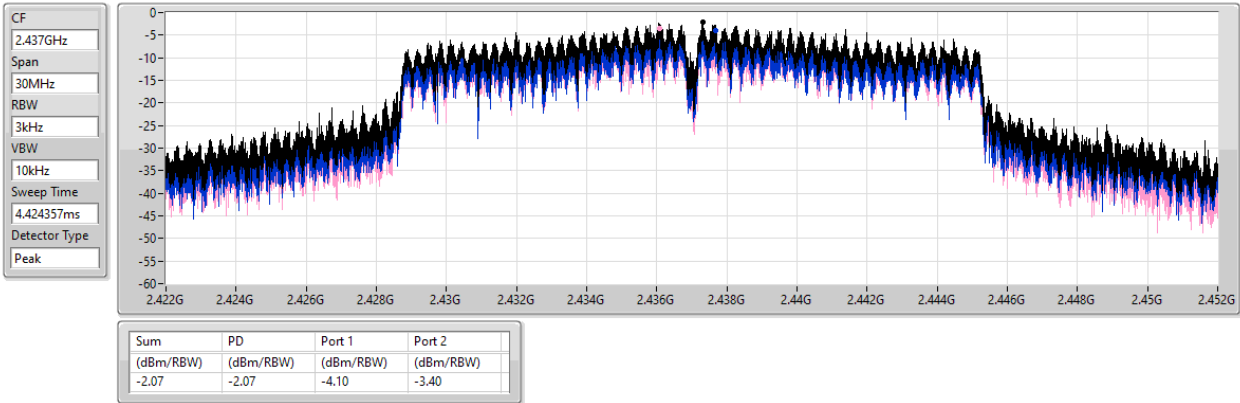


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz

PSD

23/11/2022

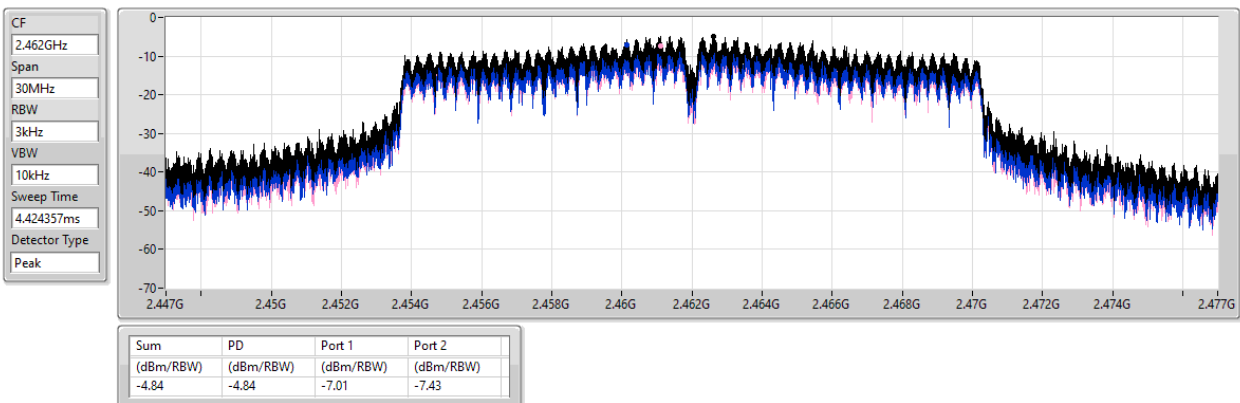


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz

PSD

23/11/2022

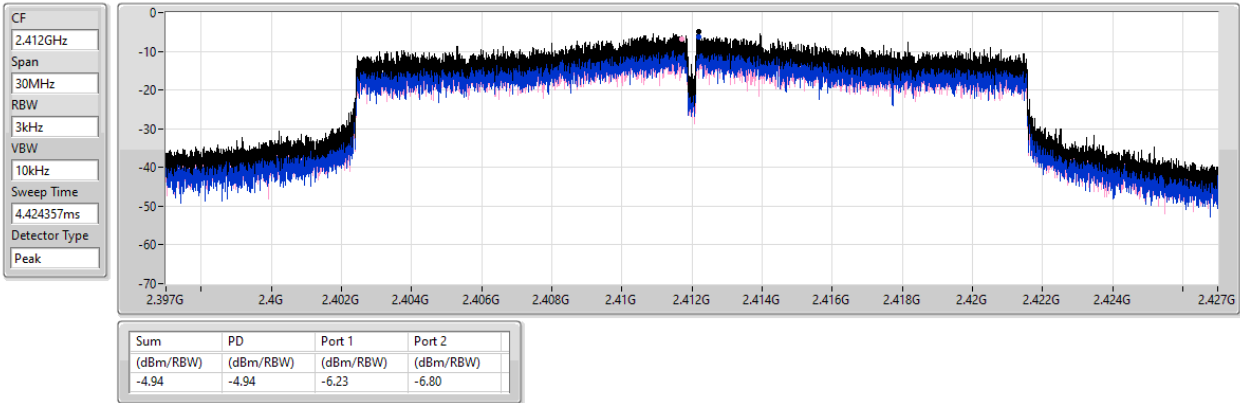


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz

PSD

23/11/2022

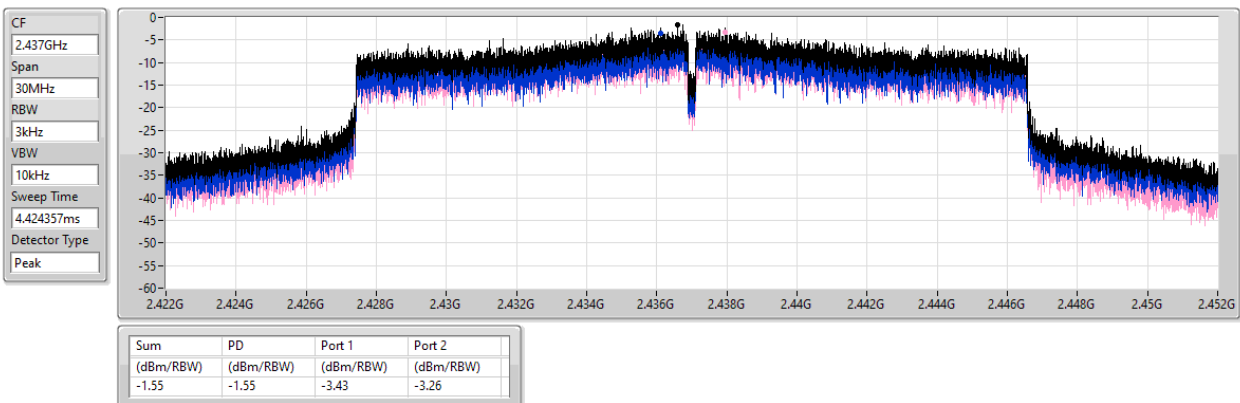


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz

PSD

23/11/2022

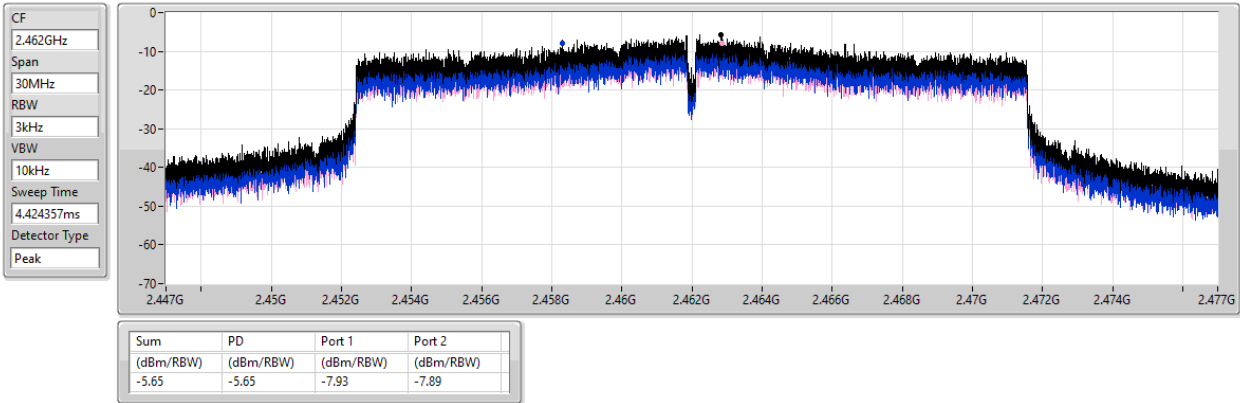


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

PSD

23/11/2022

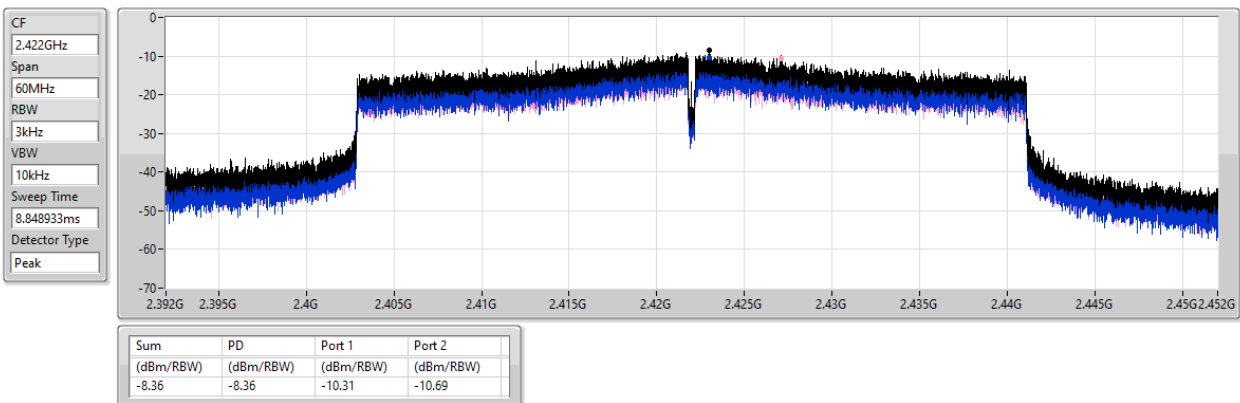


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz

PSD

23/11/2022

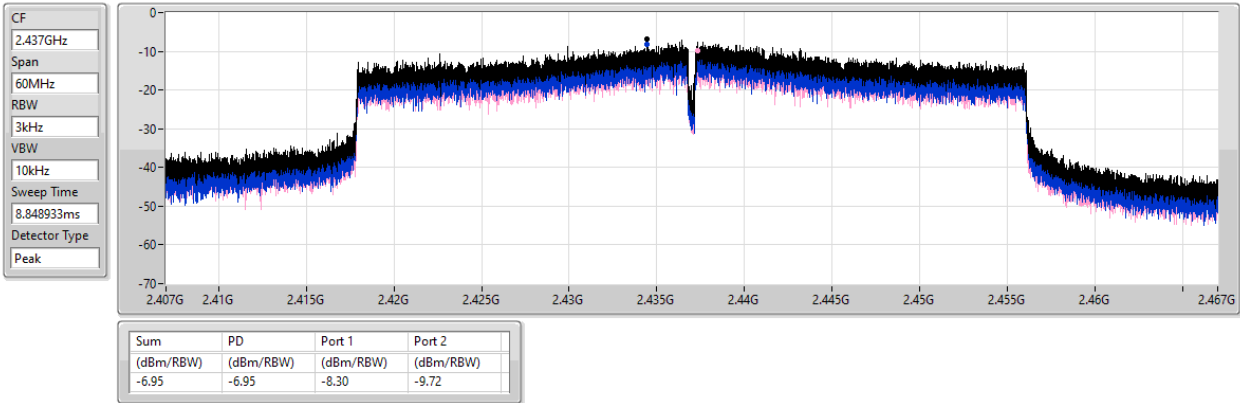


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz

PSD

23/11/2022

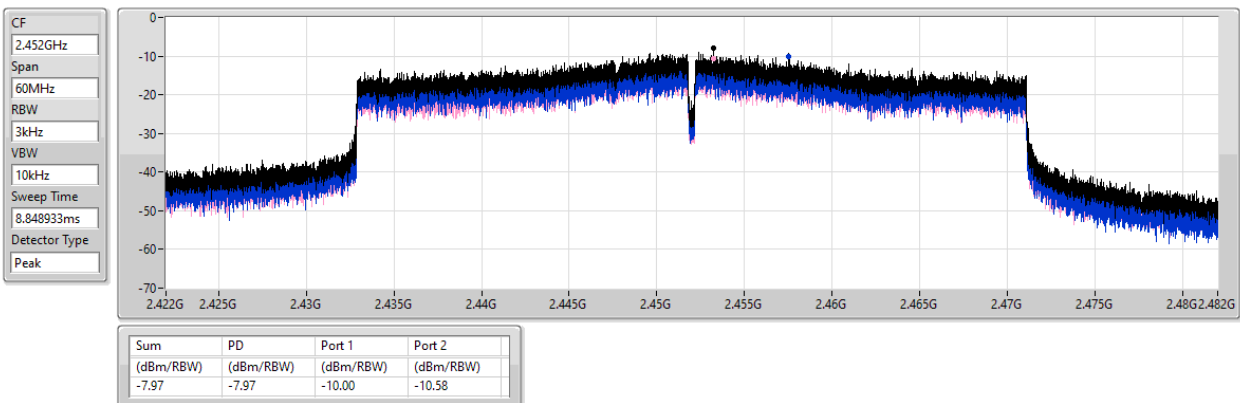


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz

PSD

23/11/2022



**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	2.43607G	13.87	-16.13	1.82876G	-54.21	2.4G	-28.97	2.4G	-28.72	2.50046G	-52.25	24.89324G	-40.92	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	12.92	-17.08	2.17477G	-52.63	2.4G	-28.54	2.4G	-25.56	2.51806G	-51.61	23.22436G	-40.78	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43824G	11.86	-18.14	2.30991G	-54.91	2.39848G	-23.65	2.4G	-26.95	2.50054G	-51.76	23.2384G	-42.68	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4344G	5.63	-24.37	2.10703G	-53.40	2.39952G	-30.15	2.4G	-31.56	2.50046G	-51.66	17.60156G	-41.42	1

Result

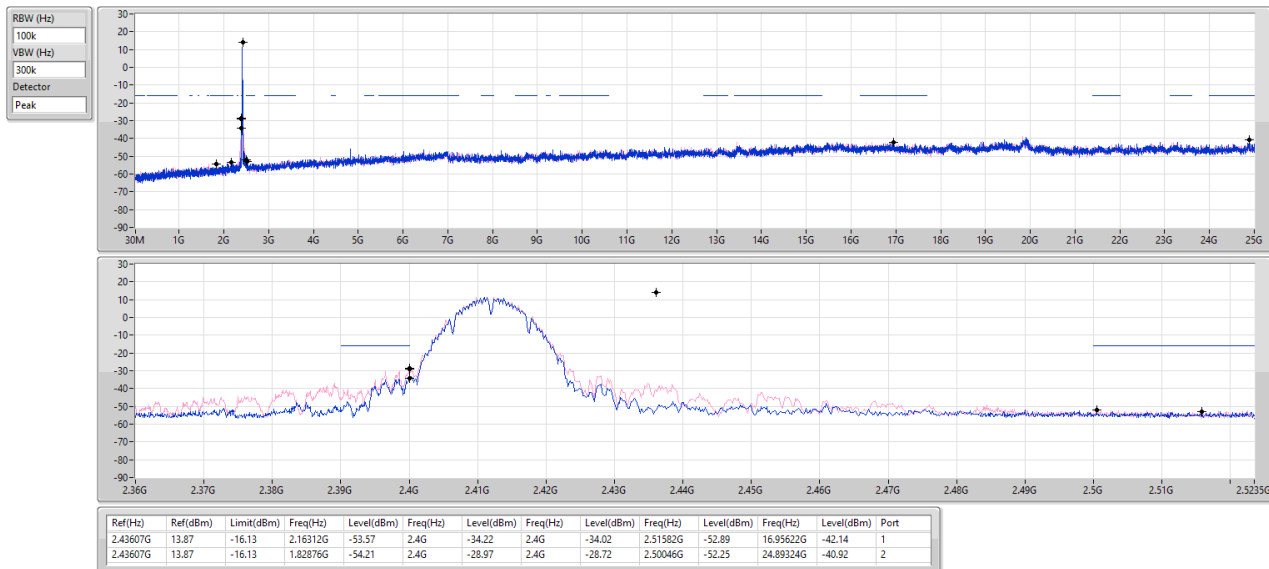
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43607G	13.87	-16.13	2.16312G	-53.57	2.4G	-34.22	2.4G	-34.02	2.51582G	-52.89	16.95622G	-42.14	1
2412MHz	Pass	2.43607G	13.87	-16.13	1.82876G	-54.21	2.4G	-28.97	2.4G	-28.72	2.50046G	-52.25	24.89324G	-40.92	2
2437MHz	Pass	2.43607G	13.87	-16.13	2.30874G	-53.82	2.398G	-43.20	2.4G	-45.77	2.50486G	-49.82	24.86514G	-42.45	1
2437MHz	Pass	2.43607G	13.87	-16.13	1.94876G	-54.10	2.398G	-47.59	2.4G	-50.97	2.50078G	-50.41	24.87638G	-41.37	2
2462MHz	Pass	2.43607G	13.87	-16.13	2.30175G	-54.34	2.39664G	-52.83	2.4G	-54.80	2.50118G	-50.30	15.08786G	-42.64	1
2462MHz	Pass	2.43607G	13.87	-16.13	2.11419G	-54.16	2.39768G	-52.57	2.4G	-53.78	2.50182G	-50.50	24.86514G	-42.48	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	12.92	-17.08	2.17477G	-52.63	2.4G	-28.54	2.4G	-25.56	2.51806G	-51.61	23.22436G	-40.78	1
2412MHz	Pass	2.43824G	12.92	-17.08	2.19574G	-53.89	2.39976G	-29.53	2.4G	-27.38	2.50262G	-51.32	21.87858G	-42.34	2
2437MHz	Pass	2.43824G	12.92	-17.08	2.14797G	-54.77	2.39976G	-42.32	2.4G	-44.23	2.50774G	-51.44	16.26226G	-42.22	1
2437MHz	Pass	2.43824G	12.92	-17.08	1.79964G	-53.90	2.39952G	-47.28	2.4G	-47.09	2.51446G	-50.97	23.54746G	-42.27	2
2462MHz	Pass	2.43824G	12.92	-17.08	2.19341G	-54.28	2.39992G	-50.12	2.4G	-53.63	2.5095G	-48.40	23.2665G	-42.17	1
2462MHz	Pass	2.43824G	12.92	-17.08	2.17826G	-54.96	2.39896G	-51.73	2.4G	-54.73	2.50542G	-49.99	15.04291G	-42.01	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	11.86	-18.14	2.30874G	-54.35	2.4G	-26.70	2.4G	-26.56	2.50462G	-51.95	24.40156G	-42.11	1
2412MHz	Pass	2.43824G	11.86	-18.14	2.30991G	-54.91	2.39848G	-23.65	2.4G	-26.95	2.50054G	-51.76	23.2384G	-42.68	2
2437MHz	Pass	2.43824G	11.86	-18.14	2.30758G	-54.58	2.39856G	-43.08	2.4G	-44.75	2.50974G	-50.44	23.22155G	-40.63	1
2437MHz	Pass	2.43824G	11.86	-18.14	2.19224G	-54.70	2.39864G	-46.30	2.4G	-46.49	2.5071G	-51.61	24.40156G	-42.04	2
2462MHz	Pass	2.43824G	11.86	-18.14	2.11535G	-53.71	2.39384G	-52.65	2.4G	-53.85	2.5127G	-48.74	16.85227G	-41.79	1
2462MHz	Pass	2.43824G	11.86	-18.14	2.14331G	-54.47	2.39752G	-52.71	2.4G	-54.36	2.50526G	-51.17	24.4718G	-42.66	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	5.63	-24.37	2.10703G	-53.40	2.39952G	-30.15	2.4G	-31.56	2.50046G	-51.66	17.60156G	-41.42	1
2422MHz	Pass	2.4344G	5.63	-24.37	2.30512G	-54.23	2.39968G	-33.59	2.4G	-32.39	2.50254G	-50.81	24.95793G	-41.54	2
2437MHz	Pass	2.4344G	5.63	-24.37	2.3097G	-54.19	2.39456G	-38.20	2.4G	-39.80	2.50414G	-47.28	16.30586G	-41.69	1
2437MHz	Pass	2.4344G	5.63	-24.37	2.30512G	-53.10	2.39216G	-41.70	2.4G	-44.60	2.50334G	-49.06	23.2191G	-41.43	2
2452MHz	Pass	2.4344G	5.63	-24.37	2.1036G	-53.52	2.39616G	-48.50	2.4G	-51.22	2.50814G	-48.20	17.02943G	-42.16	1
2452MHz	Pass	2.4344G	5.63	-24.37	2.17573G	-54.10	2.39888G	-47.93	2.4G	-48.48	2.51694G	-48.61	23.49395G	-41.96	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz

CSEndB

23/11/2022

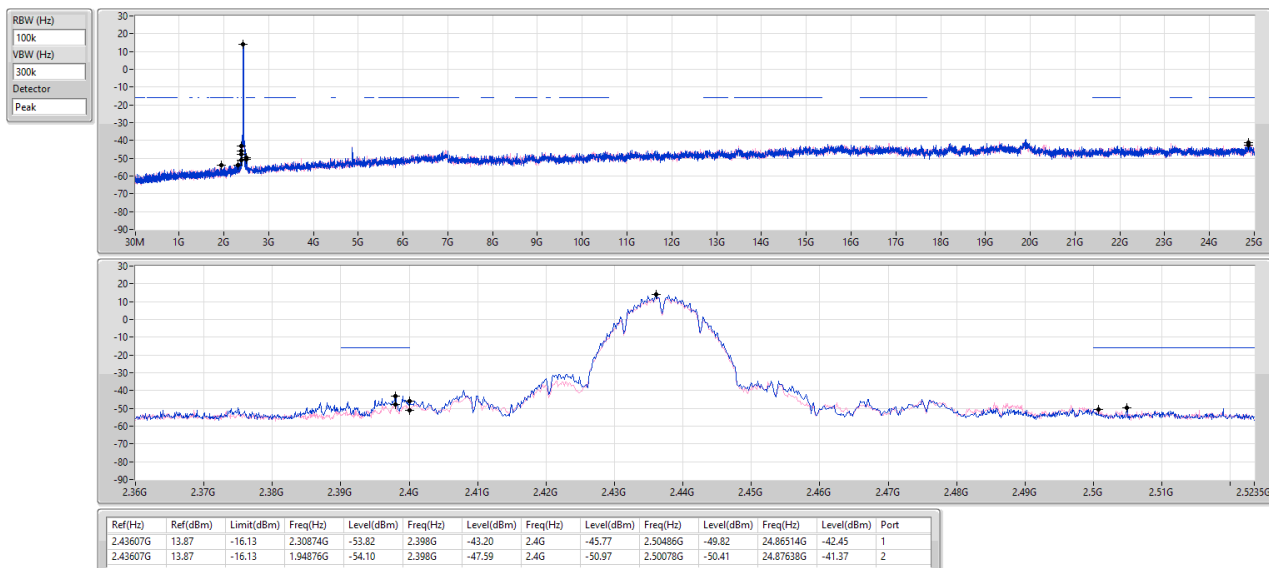


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz

CSEndB

23/11/2022

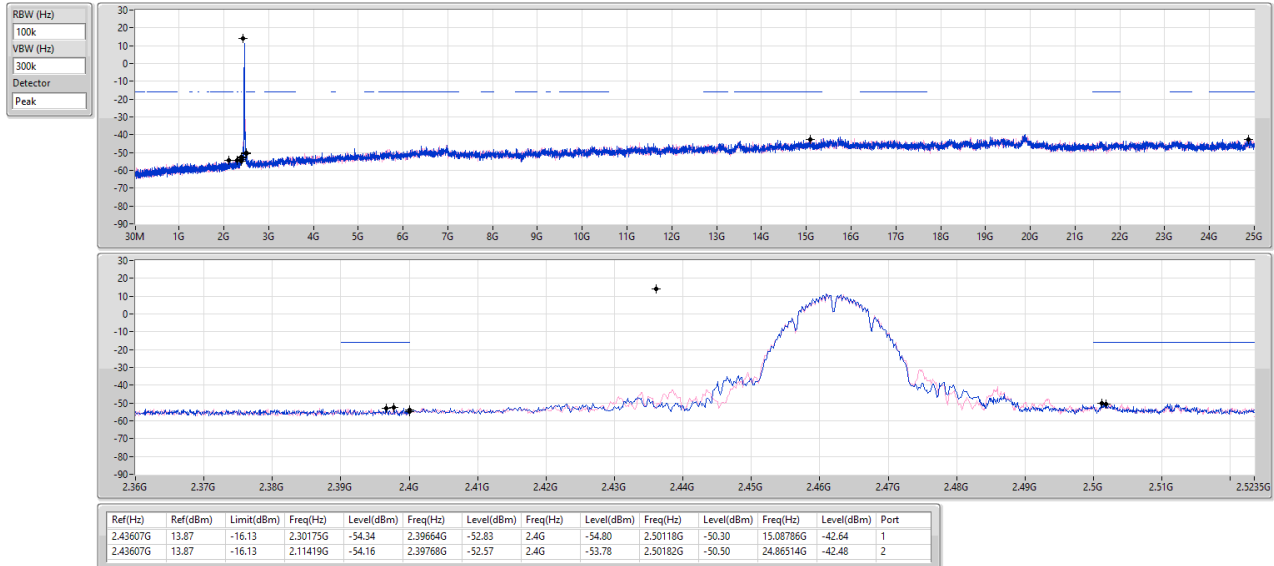


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSEndB

23/11/2022

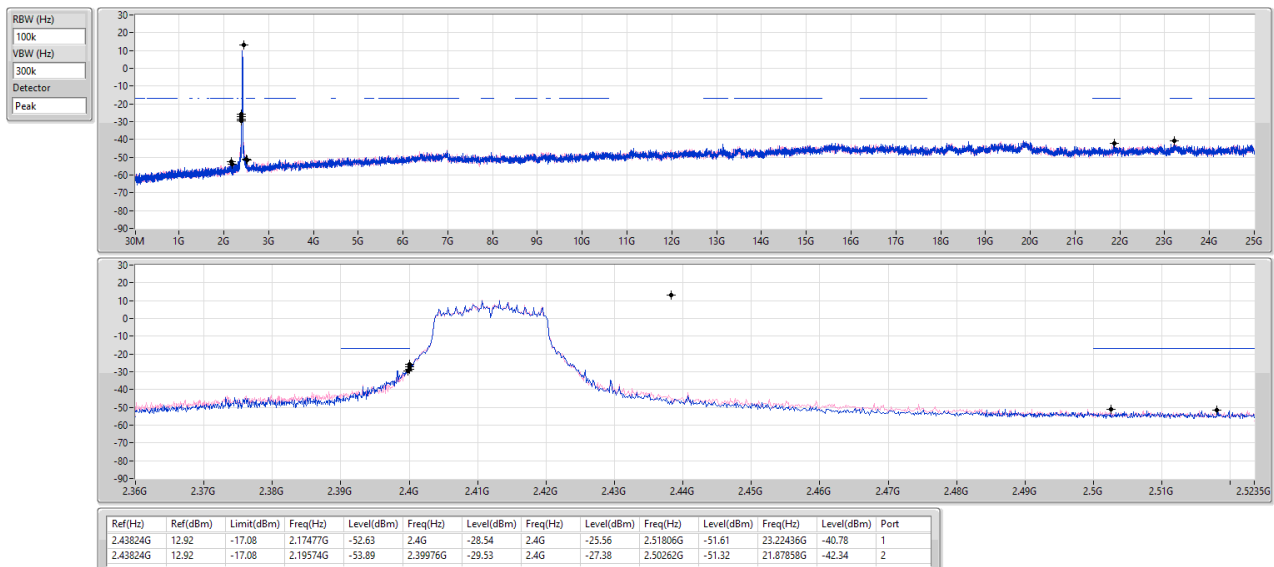


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSEndB

23/11/2022

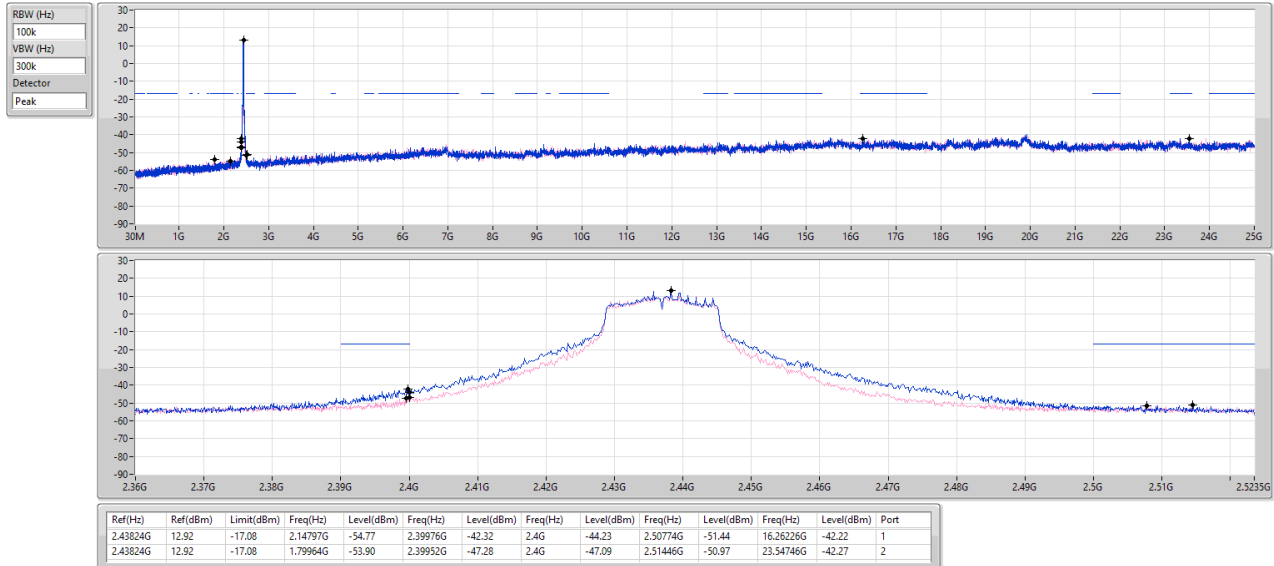


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSEndB

23/11/2022

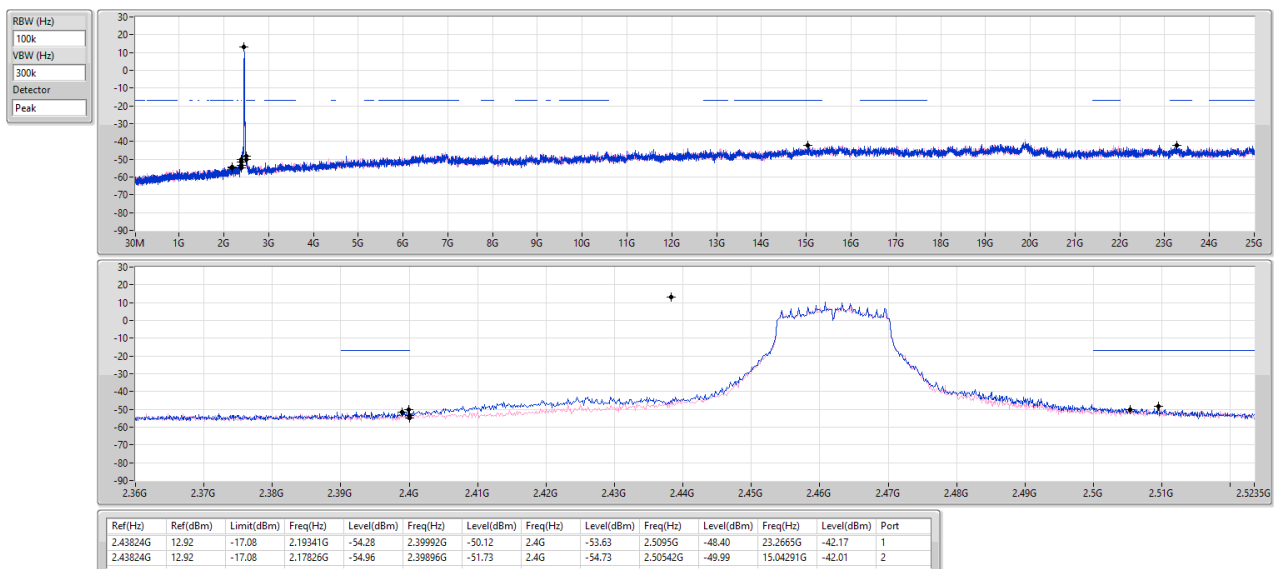


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSEndB

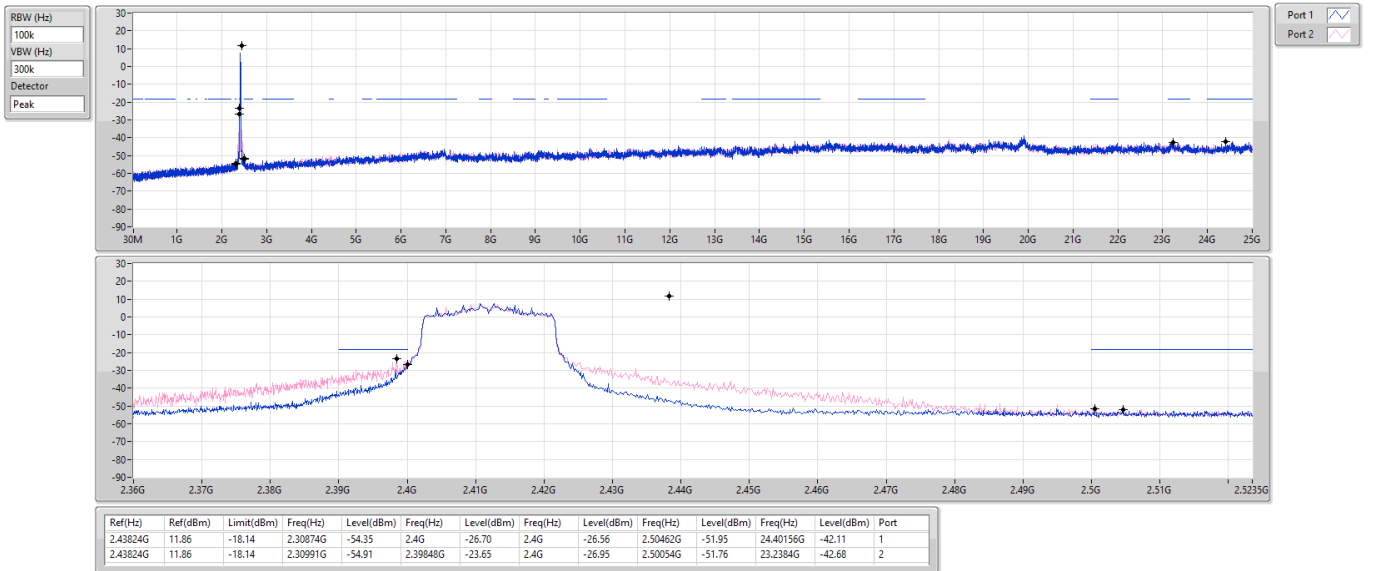
23/11/2022



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSEndB

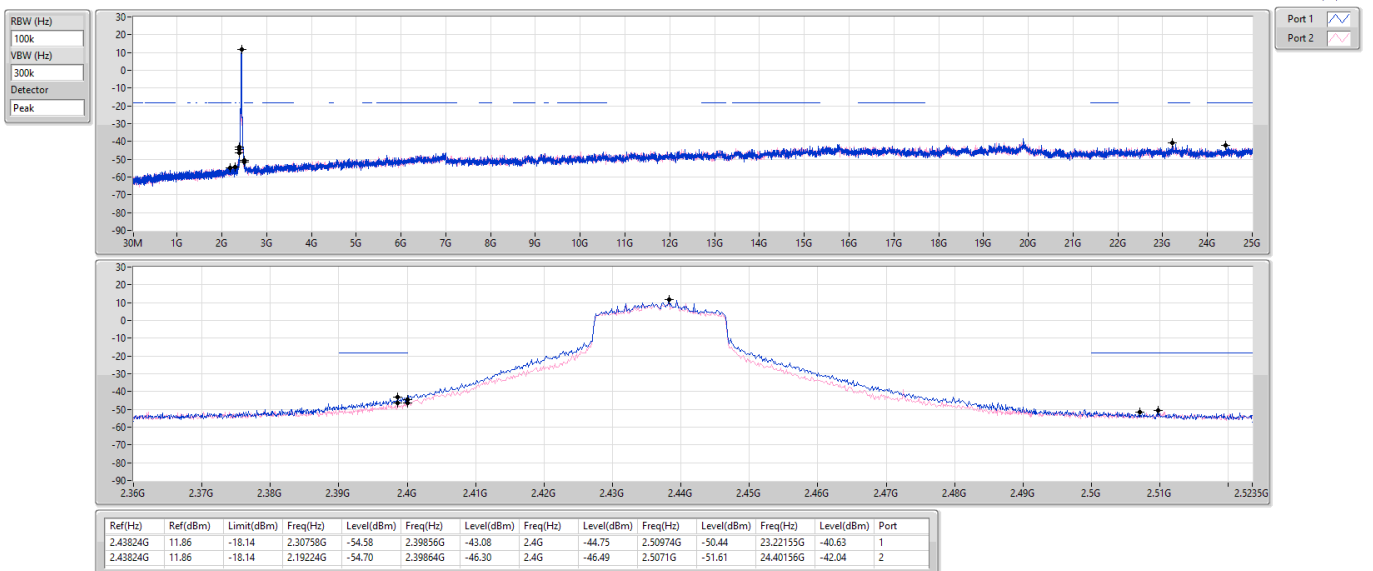
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2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSEndB

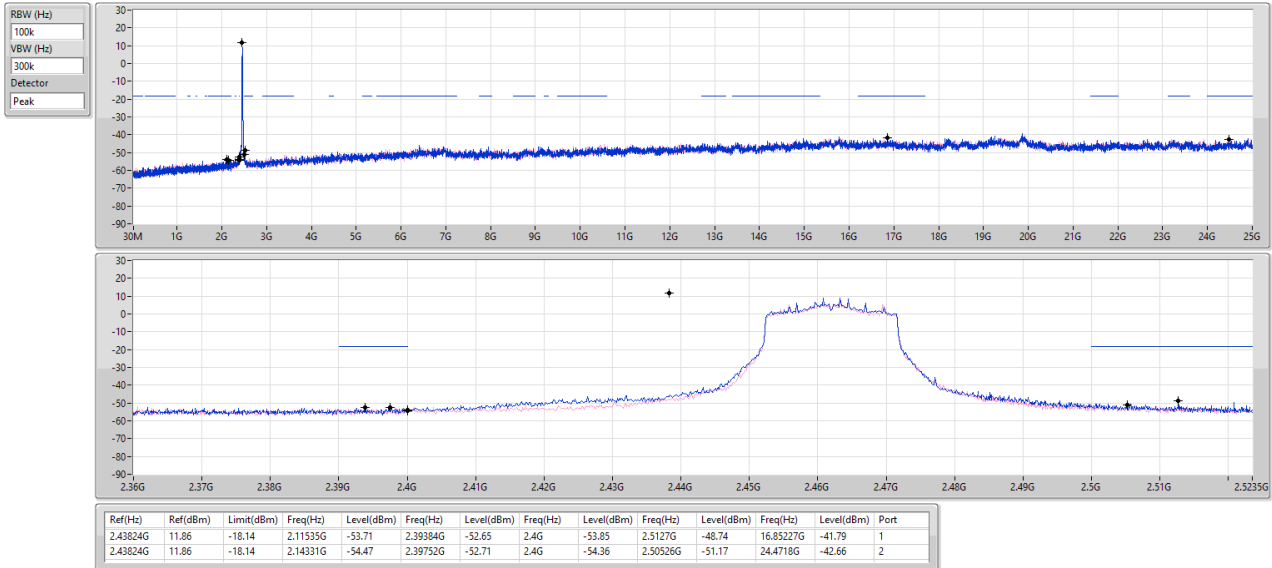
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2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSEndB

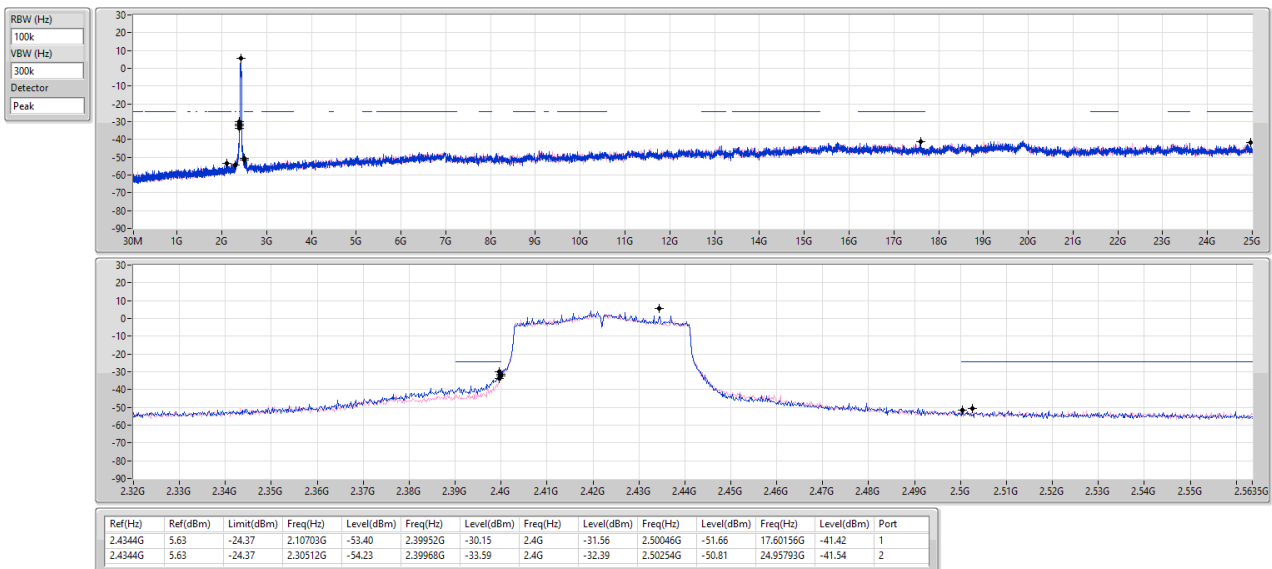
2462MHz



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

CSEndB

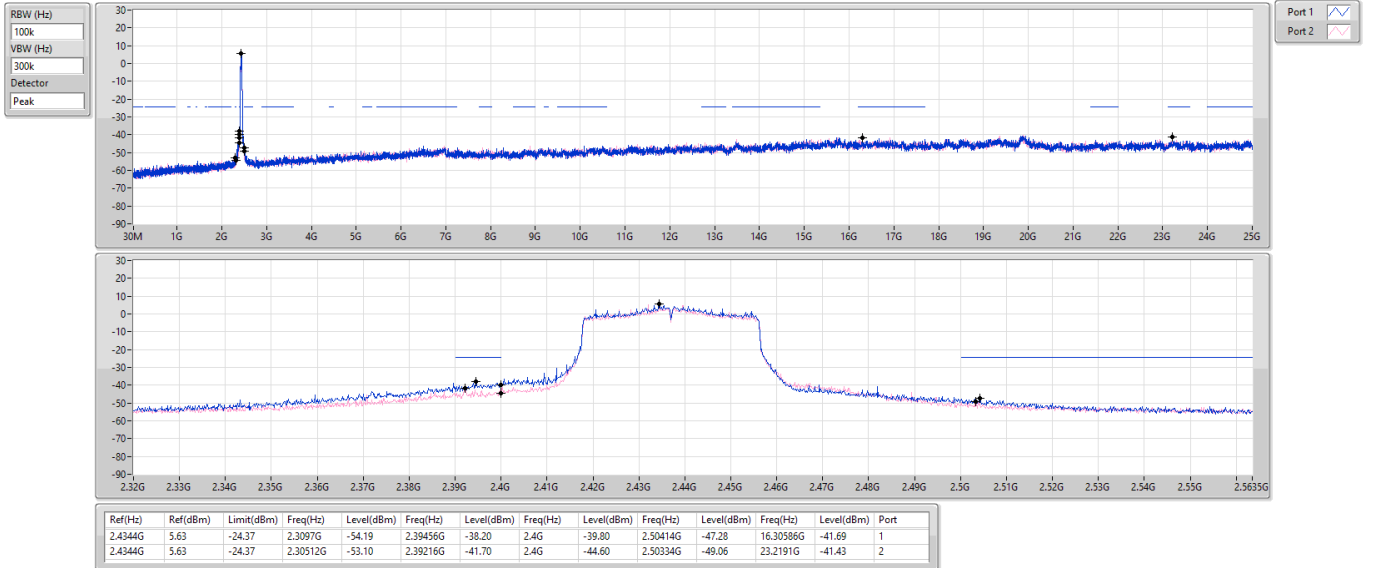
2422MHz



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

CSEndB

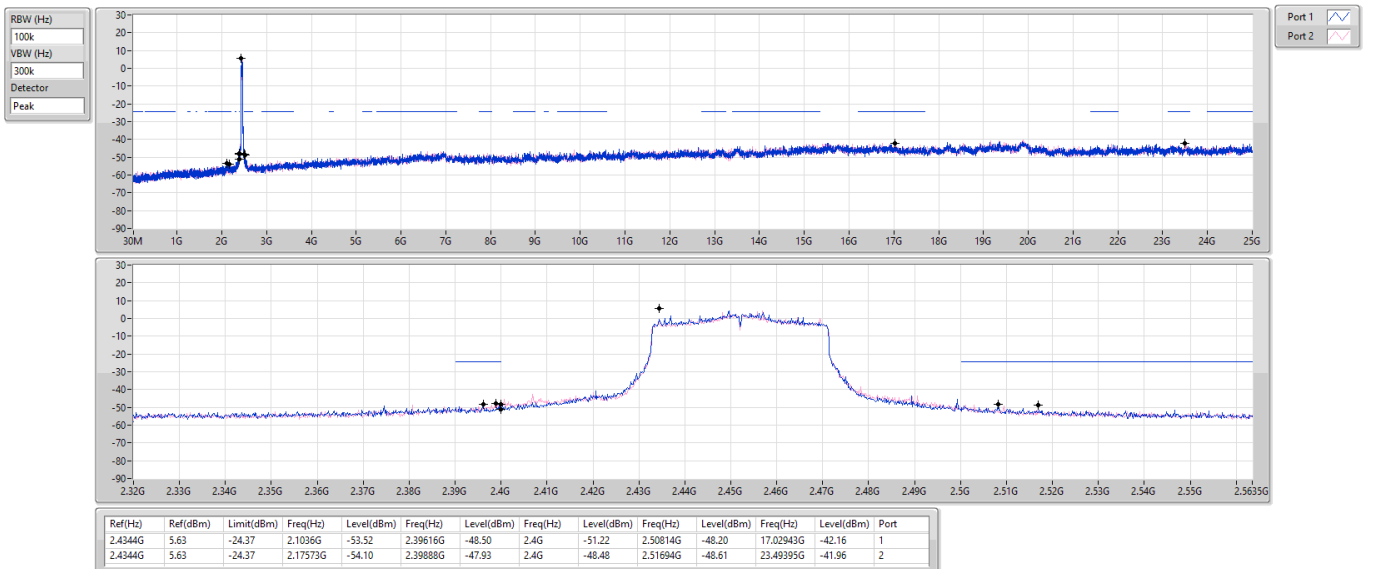
2437MHz



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

CSEndB

2452MHz





Summary

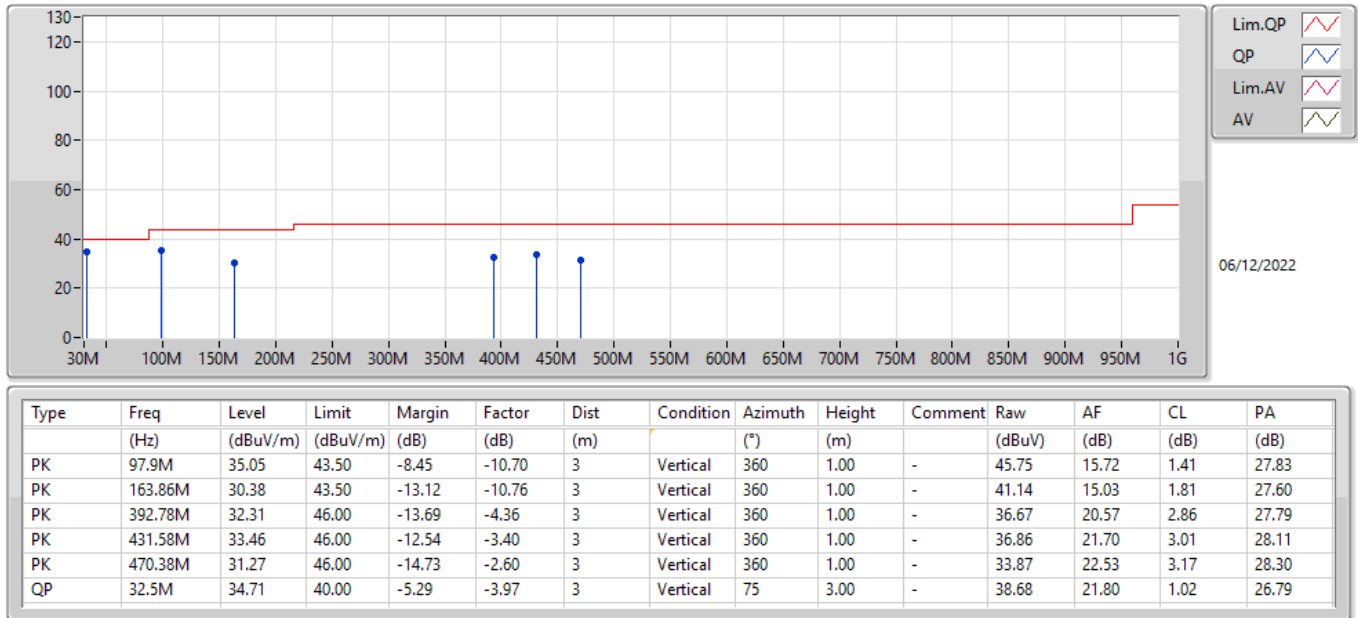
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	PK	30M	35.41	40.00	-4.59	3	Horizontal	0	1.00	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	97.9M	35.05	43.50	-8.45	3	Vertical	360	1.00	-
2437MHz	Pass	PK	163.86M	30.38	43.50	-13.12	3	Vertical	360	1.00	-
2437MHz	Pass	PK	392.78M	32.31	46.00	-13.69	3	Vertical	360	1.00	-
2437MHz	Pass	PK	431.58M	33.46	46.00	-12.54	3	Vertical	360	1.00	-
2437MHz	Pass	PK	470.38M	31.27	46.00	-14.73	3	Vertical	360	1.00	-
2437MHz	Pass	QP	32.5M	34.71	40.00	-5.29	3	Vertical	75	3.00	-
2437MHz	Pass	PK	30M	35.41	40.00	-4.59	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	90.14M	31.80	43.50	-11.70	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	159.98M	38.46	43.50	-5.04	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	229.82M	30.80	46.00	-15.20	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	431.58M	35.14	46.00	-10.86	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	534.4M	34.93	46.00	-11.07	3	Horizontal	0	1.00	-

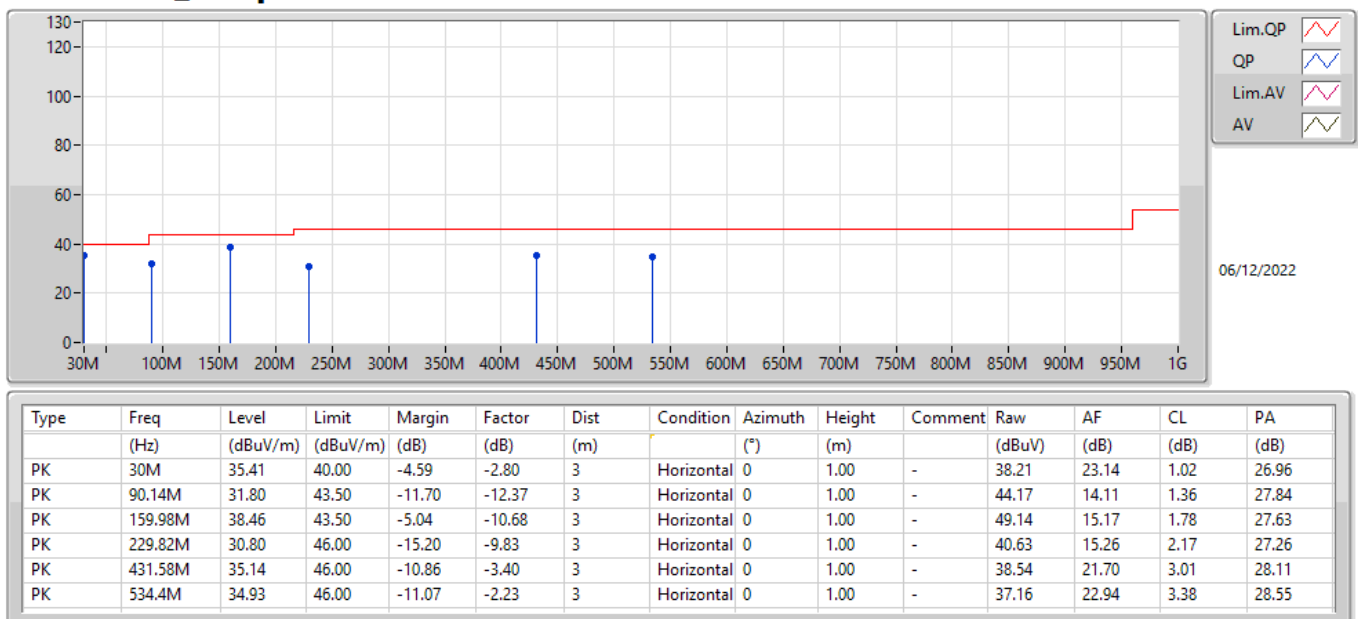
802.11b_Nss1,(1Mbps)_2TX

2437MHz_Adapter



802.11b_Nss1,(1Mbps)_2TX

2437MHz_Adapter



**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.4835G	53.90	54.00	-0.10	3	Vertical	71	1.12
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.388G	53.67	54.00	-0.33	3	Vertical	69	1.08
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.69	54.00	-0.31	3	Horizontal	148	2.85
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.90	54.00	-0.10	3	Vertical	71	1.12

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	PK	2.382G	60.47	74.00	-13.53	3	Vertical	71	1.12
2412MHz	Pass	AV	2.3832G	49.07	54.00	-4.93	3	Vertical	71	1.12
2412MHz	Pass	PK	2.454G	113.50	Inf	-Inf	3	Vertical	71	1.12
2412MHz	Pass	AV	2.4532G	102.15	Inf	-Inf	3	Vertical	71	1.12
2412MHz	Pass	PK	2.4884G	66.92	74.00	-7.08	3	Vertical	71	1.12
2412MHz	Pass	AV	2.4835G	53.90	54.00	-0.10	3	Vertical	71	1.12
2412MHz	Pass	PK	2.3616G	59.58	74.00	-14.42	3	Horizontal	144	2.90
2412MHz	Pass	AV	2.3888G	48.72	54.00	-5.28	3	Horizontal	144	2.90
2412MHz	Pass	PK	2.4496G	110.05	Inf	-Inf	3	Horizontal	144	2.90
2412MHz	Pass	AV	2.4496G	97.77	Inf	-Inf	3	Horizontal	144	2.90
2412MHz	Pass	PK	2.4868G	63.00	74.00	-11.00	3	Horizontal	144	2.90
2412MHz	Pass	AV	2.4868G	50.99	54.00	-3.01	3	Horizontal	144	2.90
2412MHz	Pass	AV	4.898G	34.31	54.00	-19.69	3	Vertical	119	1.35
2412MHz	Pass	AV	7.32624G	39.27	54.00	-14.73	3	Vertical	7	1.50
2412MHz	Pass	PK	4.9232G	47.45	74.00	-26.55	3	Vertical	119	1.35
2412MHz	Pass	PK	7.34712G	52.13	74.00	-21.87	3	Vertical	7	1.50
2412MHz	Pass	AV	4.89368G	34.23	54.00	-19.77	3	Horizontal	295	1.50
2412MHz	Pass	AV	7.32984G	39.37	54.00	-14.63	3	Horizontal	35	1.50
2412MHz	Pass	PK	4.91828G	47.87	74.00	-26.13	3	Horizontal	295	1.50
2412MHz	Pass	PK	7.35384G	53.14	74.00	-20.86	3	Horizontal	35	1.50
2417MHz	Pass	AV	2.3874G	52.32	54.00	-1.68	3	Vertical	54	1.49
2417MHz	Pass	AV	2.418G	111.90	Inf	-Inf	3	Vertical	54	1.49
2417MHz	Pass	PK	2.3868G	60.75	74.00	-13.25	3	Vertical	54	1.49
2417MHz	Pass	PK	2.4162G	114.01	Inf	-Inf	3	Vertical	54	1.49
2417MHz	Pass	AV	2.39G	48.64	54.00	-5.36	3	Horizontal	148	1.24
2417MHz	Pass	AV	2.4164G	104.89	Inf	-Inf	3	Horizontal	148	1.24
2417MHz	Pass	PK	2.377G	58.69	74.00	-15.31	3	Horizontal	148	1.24
2417MHz	Pass	PK	2.416G	107.19	Inf	-Inf	3	Horizontal	148	1.24
2437MHz	Pass	AV	2.3866G	52.08	54.00	-1.92	3	Vertical	67	1.14
2437MHz	Pass	AV	2.4362G	113.95	Inf	-Inf	3	Vertical	67	1.14
2437MHz	Pass	AV	2.4858G	52.42	54.00	-1.58	3	Vertical	67	1.14
2437MHz	Pass	PK	2.3874G	61.69	74.00	-12.31	3	Vertical	67	1.14
2437MHz	Pass	PK	2.4378G	117.68	Inf	-Inf	3	Vertical	67	1.14
2437MHz	Pass	PK	2.487G	61.83	74.00	-12.17	3	Vertical	67	1.14
2437MHz	Pass	AV	2.3866G	50.33	54.00	-3.67	3	Horizontal	304	1.11
2437MHz	Pass	AV	2.4366G	106.41	Inf	-Inf	3	Horizontal	304	1.11
2437MHz	Pass	AV	2.4878G	50.67	54.00	-3.33	3	Horizontal	304	1.11
2437MHz	Pass	PK	2.3882G	60.32	74.00	-13.68	3	Horizontal	304	1.11
2437MHz	Pass	PK	2.4378G	109.96	Inf	-Inf	3	Horizontal	304	1.11
2437MHz	Pass	PK	2.4862G	61.96	74.00	-12.04	3	Horizontal	304	1.11
2437MHz	Pass	AV	4.874G	52.37	54.00	-1.63	3	Vertical	160	1.06
2437MHz	Pass	AV	7.31178G	45.09	54.00	-8.91	3	Vertical	148	1.00
2437MHz	Pass	PK	4.874G	55.10	74.00	-18.90	3	Vertical	160	1.06
2437MHz	Pass	PK	7.31076G	54.77	74.00	-19.23	3	Vertical	148	1.00
2437MHz	Pass	AV	4.87412G	46.45	54.00	-7.55	3	Horizontal	151	2.72
2437MHz	Pass	AV	7.30998G	41.81	54.00	-12.19	3	Horizontal	52	1.00
2437MHz	Pass	PK	4.87412G	51.19	74.00	-22.81	3	Horizontal	151	2.72
2437MHz	Pass	PK	7.30962G	52.75	74.00	-21.25	3	Horizontal	52	1.00
2457MHz	Pass	AV	2.4578G	113.73	Inf	-Inf	3	Vertical	58	1.19
2457MHz	Pass	AV	2.4854G	52.78	54.00	-1.22	3	Vertical	58	1.19
2457MHz	Pass	PK	2.4578G	116.00	Inf	-Inf	3	Vertical	58	1.19
2457MHz	Pass	PK	2.4848G	62.20	74.00	-11.80	3	Vertical	58	1.19
2457MHz	Pass	AV	2.4564G	105.16	Inf	-Inf	3	Horizontal	148	1.45
2457MHz	Pass	AV	2.4854G	50.60	54.00	-3.40	3	Horizontal	148	1.45
2457MHz	Pass	PK	2.456G	107.48	Inf	-Inf	3	Horizontal	148	1.45
2457MHz	Pass	PK	2.4848G	60.11	74.00	-13.89	3	Horizontal	148	1.45
2462MHz	Pass	AV	2.4628G	112.46	Inf	-Inf	3	Vertical	69	1.00
2462MHz	Pass	AV	2.4872G	51.54	54.00	-2.46	3	Vertical	69	1.00
2462MHz	Pass	PK	2.463G	116.23	Inf	-Inf	3	Vertical	69	1.00
2462MHz	Pass	PK	2.4892G	61.59	74.00	-12.41	3	Vertical	69	1.00

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	2.4614G	105.39	Inf	-Inf	3	Horizontal	304	1.08
2462MHz	Pass	AV	2.4835G	51.83	54.00	-2.17	3	Horizontal	304	1.08
2462MHz	Pass	PK	2.463G	109.11	Inf	-Inf	3	Horizontal	304	1.08
2462MHz	Pass	PK	2.4835G	61.42	74.00	-12.58	3	Horizontal	304	1.08
2462MHz	Pass	AV	4.92406G	47.99	54.00	-6.01	3	Vertical	179	1.50
2462MHz	Pass	AV	7.38534G	40.92	54.00	-13.08	3	Vertical	148	1.00
2462MHz	Pass	PK	4.92406G	52.49	74.00	-21.51	3	Vertical	179	1.50
2462MHz	Pass	PK	7.39812G	52.11	74.00	-21.89	3	Vertical	148	1.00
2462MHz	Pass	AV	4.924G	43.64	54.00	-10.36	3	Horizontal	155	2.85
2462MHz	Pass	AV	7.39884G	39.60	54.00	-14.40	3	Horizontal	353	1.50
2462MHz	Pass	PK	4.92406G	48.68	74.00	-24.32	3	Horizontal	155	2.85
2462MHz	Pass	PK	7.3983G	51.92	74.00	-22.08	3	Horizontal	353	1.50
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.388G	53.67	54.00	-0.33	3	Vertical	69	1.08
2412MHz	Pass	AV	2.4126G	107.65	Inf	-Inf	3	Vertical	69	1.08
2412MHz	Pass	PK	2.389G	65.32	74.00	-8.68	3	Vertical	69	1.08
2412MHz	Pass	PK	2.4128G	117.14	Inf	-Inf	3	Vertical	69	1.08
2412MHz	Pass	AV	2.3894G	51.95	54.00	-2.05	3	Horizontal	73	2.67
2412MHz	Pass	AV	2.4142G	103.92	Inf	-Inf	3	Horizontal	73	2.67
2412MHz	Pass	PK	2.3894G	63.77	74.00	-10.23	3	Horizontal	73	2.67
2412MHz	Pass	PK	2.4138G	113.83	Inf	-Inf	3	Horizontal	73	2.67
2412MHz	Pass	AV	4.82532G	38.64	54.00	-15.36	3	Vertical	161	1.00
2412MHz	Pass	PK	4.82466G	52.11	74.00	-21.89	3	Vertical	161	1.00
2412MHz	Pass	AV	4.82544G	34.64	54.00	-19.36	3	Horizontal	94	1.20
2412MHz	Pass	PK	4.82034G	46.88	74.00	-27.12	3	Horizontal	94	1.20
2417MHz	Pass	AV	2.3876G	52.07	54.00	-1.93	3	Vertical	62	2.93
2417MHz	Pass	AV	2.4176G	109.87	Inf	-Inf	3	Vertical	62	2.93
2417MHz	Pass	PK	2.3876G	63.97	74.00	-10.03	3	Vertical	62	2.93
2417MHz	Pass	PK	2.4178G	118.09	Inf	-Inf	3	Vertical	62	2.93
2417MHz	Pass	AV	2.39G	52.09	54.00	-1.91	3	Horizontal	147	2.97
2417MHz	Pass	AV	2.4156G	106.43	Inf	-Inf	3	Horizontal	147	2.97
2417MHz	Pass	PK	2.39G	63.16	74.00	-10.84	3	Horizontal	147	2.97
2417MHz	Pass	PK	2.4154G	115.26	Inf	-Inf	3	Horizontal	147	2.97
2437MHz	Pass	AV	2.389G	50.28	54.00	-3.72	3	Vertical	68	1.13
2437MHz	Pass	AV	2.4378G	110.53	Inf	-Inf	3	Vertical	68	1.13
2437MHz	Pass	AV	2.4835G	51.45	54.00	-2.55	3	Vertical	68	1.13
2437MHz	Pass	PK	2.3898G	62.02	74.00	-11.98	3	Vertical	68	1.13
2437MHz	Pass	PK	2.4382G	120.77	Inf	-Inf	3	Vertical	68	1.13
2437MHz	Pass	PK	2.4854G	64.68	74.00	-9.32	3	Vertical	68	1.13
2437MHz	Pass	AV	2.3894G	49.45	54.00	-4.55	3	Horizontal	72	2.62
2437MHz	Pass	AV	2.4386G	105.50	Inf	-Inf	3	Horizontal	72	2.62
2437MHz	Pass	AV	2.4835G	49.90	54.00	-4.10	3	Horizontal	72	2.62
2437MHz	Pass	PK	2.3574G	60.53	74.00	-13.47	3	Horizontal	72	2.62
2437MHz	Pass	PK	2.439G	114.84	Inf	-Inf	3	Horizontal	72	2.62
2437MHz	Pass	PK	2.4854G	60.77	74.00	-13.23	3	Horizontal	72	2.62
2437MHz	Pass	AV	4.87502G	40.45	54.00	-13.55	3	Vertical	161	1.05
2437MHz	Pass	AV	7.31052G	41.31	54.00	-12.69	3	Vertical	147	1.00
2437MHz	Pass	PK	4.8755G	53.52	74.00	-20.48	3	Vertical	161	1.05
2437MHz	Pass	PK	7.3104G	53.83	74.00	-20.17	3	Vertical	147	1.00
2437MHz	Pass	AV	4.87544G	36.16	54.00	-17.84	3	Horizontal	306	1.00
2437MHz	Pass	AV	7.31364G	39.65	54.00	-14.35	3	Horizontal	91	1.50
2437MHz	Pass	PK	4.87388G	48.84	74.00	-25.16	3	Horizontal	306	1.00
2437MHz	Pass	PK	7.31352G	52.15	74.00	-21.85	3	Horizontal	91	1.50
2457MHz	Pass	AV	2.4576G	109.54	Inf	-Inf	3	Vertical	65	1.19
2457MHz	Pass	AV	2.486G	51.61	54.00	-2.39	3	Vertical	65	1.19
2457MHz	Pass	PK	2.4578G	117.76	Inf	-Inf	3	Vertical	65	1.19
2457MHz	Pass	PK	2.4878G	63.97	74.00	-10.03	3	Vertical	65	1.19
2457MHz	Pass	AV	2.4556G	105.26	Inf	-Inf	3	Horizontal	141	2.86
2457MHz	Pass	AV	2.4838G	50.41	54.00	-3.59	3	Horizontal	141	2.86
2457MHz	Pass	PK	2.4554G	113.96	Inf	-Inf	3	Horizontal	141	2.86
2457MHz	Pass	PK	2.484G	64.14	74.00	-9.86	3	Horizontal	141	2.86
2462MHz	Pass	AV	2.4612G	107.72	Inf	-Inf	3	Vertical	38	1.50

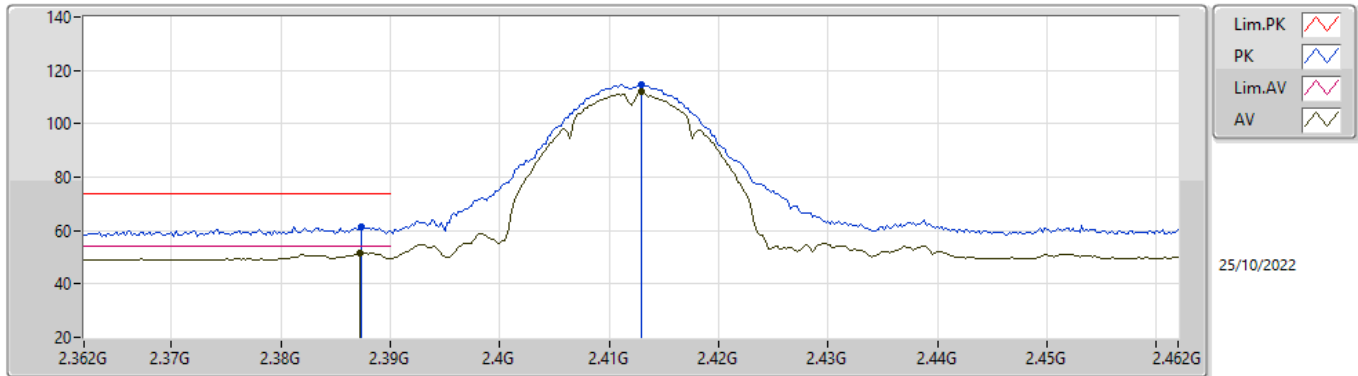
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	2.4858G	53.51	54.00	-0.49	3	Vertical	38	1.50
2462MHz	Pass	PK	2.4612G	117.40	Inf	-Inf	3	Vertical	38	1.50
2462MHz	Pass	PK	2.4864G	65.75	74.00	-8.25	3	Vertical	38	1.50
2462MHz	Pass	AV	2.4632G	103.19	Inf	-Inf	3	Horizontal	303	1.00
2462MHz	Pass	AV	2.4836G	52.00	54.00	-2.00	3	Horizontal	303	1.00
2462MHz	Pass	PK	2.4634G	112.44	Inf	-Inf	3	Horizontal	303	1.00
2462MHz	Pass	PK	2.4835G	63.02	74.00	-10.98	3	Horizontal	303	1.00
2462MHz	Pass	AV	4.92514G	39.16	54.00	-14.84	3	Vertical	161	1.13
2462MHz	Pass	AV	7.37598G	39.12	54.00	-14.88	3	Vertical	159	1.47
2462MHz	Pass	PK	4.92502G	52.13	74.00	-21.87	3	Vertical	161	1.13
2462MHz	Pass	PK	7.37382G	52.02	74.00	-21.98	3	Vertical	159	1.47
2462MHz	Pass	AV	4.9204G	35.44	54.00	-18.56	3	Horizontal	153	3.00
2462MHz	Pass	AV	7.39842G	38.88	54.00	-15.12	3	Horizontal	42	2.50
2462MHz	Pass	PK	4.92406G	48.62	74.00	-25.38	3	Horizontal	153	3.00
2462MHz	Pass	PK	7.38018G	51.95	74.00	-22.05	3	Horizontal	42	2.50
802.11ax HEW20_Nss1,(MCS0)_2TX										
2412MHz	Pass	AV	2.39G	53.13	54.00	-0.87	3	Vertical	53	3.00
2412MHz	Pass	AV	2.4114G	105.51	Inf	-Inf	3	Vertical	53	3.00
2412MHz	Pass	PK	2.3898G	65.77	74.00	-8.23	3	Vertical	53	3.00
2412MHz	Pass	PK	2.4126G	118.92	Inf	-Inf	3	Vertical	53	3.00
2412MHz	Pass	AV	2.3898G	50.30	54.00	-3.70	3	Horizontal	306	1.14
2412MHz	Pass	AV	2.4142G	99.23	Inf	-Inf	3	Horizontal	306	1.14
2412MHz	Pass	PK	2.3896G	61.62	74.00	-12.38	3	Horizontal	306	1.14
2412MHz	Pass	PK	2.4136G	112.89	Inf	-Inf	3	Horizontal	306	1.14
2412MHz	Pass	AV	4.8258G	36.68	54.00	-17.32	3	Vertical	198	1.24
2412MHz	Pass	PK	4.8264G	50.55	74.00	-23.45	3	Vertical	198	1.24
2412MHz	Pass	AV	4.81836G	33.61	54.00	-20.39	3	Horizontal	121	1.50
2412MHz	Pass	PK	4.8135G	47.13	74.00	-26.87	3	Horizontal	121	1.50
2417MHz	Pass	AV	2.3898G	52.74	54.00	-1.26	3	Vertical	59	1.34
2417MHz	Pass	AV	2.4178G	108.28	Inf	-Inf	3	Vertical	59	1.34
2417MHz	Pass	PK	2.3894G	64.36	74.00	-9.64	3	Vertical	59	1.34
2417MHz	Pass	PK	2.4176G	120.80	Inf	-Inf	3	Vertical	59	1.34
2417MHz	Pass	AV	2.39G	49.77	54.00	-4.23	3	Horizontal	147	2.96
2417MHz	Pass	AV	2.4146G	103.63	Inf	-Inf	3	Horizontal	147	2.96
2417MHz	Pass	PK	2.39G	64.06	74.00	-9.94	3	Horizontal	147	2.96
2417MHz	Pass	PK	2.4142G	113.96	Inf	-Inf	3	Horizontal	147	2.96
2437MHz	Pass	AV	2.3898G	50.48	54.00	-3.52	3	Vertical	68	1.14
2437MHz	Pass	AV	2.4378G	109.85	Inf	-Inf	3	Vertical	68	1.14
2437MHz	Pass	AV	2.4835G	52.22	54.00	-1.78	3	Vertical	68	1.14
2437MHz	Pass	PK	2.387G	62.31	74.00	-11.69	3	Vertical	68	1.14
2437MHz	Pass	PK	2.4378G	122.92	Inf	-Inf	3	Vertical	68	1.14
2437MHz	Pass	PK	2.4842G	67.01	74.00	-6.99	3	Vertical	68	1.14
2437MHz	Pass	AV	2.3898G	49.25	54.00	-4.75	3	Horizontal	305	1.26
2437MHz	Pass	AV	2.4386G	103.35	Inf	-Inf	3	Horizontal	305	1.26
2437MHz	Pass	AV	2.4835G	50.13	54.00	-3.87	3	Horizontal	305	1.26
2437MHz	Pass	PK	2.387G	61.00	74.00	-13.00	3	Horizontal	305	1.26
2437MHz	Pass	PK	2.4398G	115.36	Inf	-Inf	3	Horizontal	305	1.26
2437MHz	Pass	PK	2.4835G	62.36	74.00	-11.64	3	Horizontal	305	1.26
2437MHz	Pass	AV	4.8761G	40.13	54.00	-13.87	3	Vertical	160	1.21
2437MHz	Pass	AV	7.3173G	40.37	54.00	-13.63	3	Vertical	125	2.32
2437MHz	Pass	PK	4.87544G	53.38	74.00	-20.62	3	Vertical	160	1.21
2437MHz	Pass	PK	7.30758G	55.03	74.00	-18.97	3	Vertical	125	2.32
2437MHz	Pass	AV	4.87598G	35.17	54.00	-18.83	3	Horizontal	308	2.28
2437MHz	Pass	AV	7.32438G	39.14	54.00	-14.86	3	Horizontal	63	1.50
2437MHz	Pass	PK	4.87466G	48.49	74.00	-25.51	3	Horizontal	308	2.28
2437MHz	Pass	PK	7.31094G	52.18	74.00	-21.82	3	Horizontal	63	1.50
2457MHz	Pass	AV	2.4578G	109.48	Inf	-Inf	3	Vertical	59	1.18
2457MHz	Pass	AV	2.4836G	53.57	54.00	-0.43	3	Vertical	59	1.18
2457MHz	Pass	PK	2.4578G	121.09	Inf	-Inf	3	Vertical	59	1.18
2457MHz	Pass	PK	2.4836G	66.41	74.00	-7.59	3	Vertical	59	1.18
2457MHz	Pass	AV	2.4546G	103.87	Inf	-Inf	3	Horizontal	148	2.85
2457MHz	Pass	AV	2.4835G	53.69	54.00	-0.31	3	Horizontal	148	2.85

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2457MHz	Pass	PK	2.4542G	115.12	Inf	-Inf	3	Horizontal	148	2.85
2457MHz	Pass	PK	2.4838G	66.00	74.00	-8.00	3	Horizontal	148	2.85
2462MHz	Pass	AV	2.4628G	106.95	Inf	-Inf	3	Vertical	68	1.00
2462MHz	Pass	AV	2.4835G	53.25	54.00	-0.75	3	Vertical	68	1.00
2462MHz	Pass	PK	2.4628G	120.10	Inf	-Inf	3	Vertical	68	1.00
2462MHz	Pass	PK	2.4886G	71.02	74.00	-2.98	3	Vertical	68	1.00
2462MHz	Pass	AV	2.464G	100.55	Inf	-Inf	3	Horizontal	302	1.00
2462MHz	Pass	AV	2.484G	50.51	54.00	-3.49	3	Horizontal	302	1.00
2462MHz	Pass	PK	2.4638G	114.09	Inf	-Inf	3	Horizontal	302	1.00
2462MHz	Pass	PK	2.4835G	64.05	74.00	-9.95	3	Horizontal	302	1.00
2462MHz	Pass	AV	4.92604G	36.74	54.00	-17.26	3	Vertical	177	1.63
2462MHz	Pass	AV	7.39638G	38.59	54.00	-15.41	3	Vertical	256	1.50
2462MHz	Pass	PK	4.9249G	50.18	74.00	-23.82	3	Vertical	177	1.63
2462MHz	Pass	PK	7.37628G	51.80	74.00	-22.20	3	Vertical	256	1.50
2462MHz	Pass	AV	4.9159G	34.62	54.00	-19.38	3	Horizontal	150	2.58
2462MHz	Pass	AV	7.39734G	38.59	54.00	-15.41	3	Horizontal	50	1.50
2462MHz	Pass	PK	4.91398G	47.89	74.00	-26.11	3	Horizontal	150	2.58
2462MHz	Pass	PK	7.37814G	52.34	74.00	-21.66	3	Horizontal	50	1.50
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	53.28	54.00	-0.72	3	Vertical	70	1.21
2422MHz	Pass	AV	2.4228G	103.09	Inf	-Inf	3	Vertical	70	1.21
2422MHz	Pass	AV	2.4844G	49.70	54.00	-4.30	3	Vertical	70	1.21
2422MHz	Pass	PK	2.3892G	66.10	74.00	-7.90	3	Vertical	70	1.21
2422MHz	Pass	PK	2.4228G	116.52	Inf	-Inf	3	Vertical	70	1.21
2422MHz	Pass	PK	2.484G	61.38	74.00	-12.62	3	Vertical	70	1.21
2422MHz	Pass	AV	2.39G	52.94	54.00	-1.06	3	Horizontal	144	2.70
2422MHz	Pass	AV	2.4196G	98.39	Inf	-Inf	3	Horizontal	144	2.70
2422MHz	Pass	AV	2.492G	49.27	54.00	-4.73	3	Horizontal	144	2.70
2422MHz	Pass	PK	2.3876G	64.58	74.00	-9.42	3	Horizontal	144	2.70
2422MHz	Pass	PK	2.4188G	110.50	Inf	-Inf	3	Horizontal	144	2.70
2422MHz	Pass	PK	2.5G	60.73	74.00	-13.27	3	Horizontal	144	2.70
2422MHz	Pass	AV	4.8644G	33.92	54.00	-20.08	3	Vertical	17	1.50
2422MHz	Pass	AV	7.25136G	39.39	54.00	-14.61	3	Vertical	243	1.50
2422MHz	Pass	PK	4.82288G	48.08	74.00	-25.92	3	Vertical	17	1.50
2422MHz	Pass	PK	7.26696G	51.92	74.00	-22.08	3	Vertical	243	1.50
2422MHz	Pass	AV	4.86404G	34.00	54.00	-20.00	3	Horizontal	279	1.12
2422MHz	Pass	AV	7.25424G	39.40	54.00	-14.60	3	Horizontal	35	1.50
2422MHz	Pass	PK	4.86872G	47.01	74.00	-26.99	3	Horizontal	279	1.12
2422MHz	Pass	PK	7.2732G	52.14	74.00	-21.86	3	Horizontal	35	1.50
2427MHz	Pass	AV	2.3894G	53.11	54.00	-0.89	3	Vertical	58	1.38
2427MHz	Pass	AV	2.4278G	104.05	Inf	-Inf	3	Vertical	58	1.38
2427MHz	Pass	AV	2.485G	49.67	54.00	-4.33	3	Vertical	58	1.38
2427MHz	Pass	PK	2.3798G	65.16	74.00	-8.84	3	Vertical	58	1.38
2427MHz	Pass	PK	2.4282G	115.32	Inf	-Inf	3	Vertical	58	1.38
2427MHz	Pass	PK	2.497G	61.64	74.00	-12.36	3	Vertical	58	1.38
2427MHz	Pass	AV	2.3898G	50.12	54.00	-3.88	3	Horizontal	141	3.00
2427MHz	Pass	AV	2.4246G	99.91	Inf	-Inf	3	Horizontal	141	3.00
2427MHz	Pass	AV	2.4842G	48.62	54.00	-5.38	3	Horizontal	141	3.00
2427MHz	Pass	PK	2.3818G	62.34	74.00	-11.66	3	Horizontal	141	3.00
2427MHz	Pass	PK	2.4242G	110.90	Inf	-Inf	3	Horizontal	141	3.00
2427MHz	Pass	PK	2.4835G	59.74	74.00	-14.26	3	Horizontal	141	3.00
2437MHz	Pass	AV	2.3898G	51.89	54.00	-2.11	3	Vertical	68	2.76
2437MHz	Pass	AV	2.4378G	104.95	Inf	-Inf	3	Vertical	68	2.76
2437MHz	Pass	AV	2.4874G	52.20	54.00	-1.80	3	Vertical	68	2.76
2437MHz	Pass	PK	2.3894G	63.16	74.00	-10.84	3	Vertical	68	2.76
2437MHz	Pass	PK	2.4366G	116.45	Inf	-Inf	3	Vertical	68	2.76
2437MHz	Pass	PK	2.4858G	64.29	74.00	-9.71	3	Vertical	68	2.76
2437MHz	Pass	AV	2.3894G	49.50	54.00	-4.50	3	Horizontal	152	1.50
2437MHz	Pass	AV	2.435G	99.49	Inf	-Inf	3	Horizontal	152	1.50
2437MHz	Pass	AV	2.4835G	50.85	54.00	-3.15	3	Horizontal	152	1.50
2437MHz	Pass	PK	2.3874G	60.32	74.00	-13.68	3	Horizontal	152	1.50
2437MHz	Pass	PK	2.4342G	110.86	Inf	-Inf	3	Horizontal	152	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2437MHz	Pass	PK	2.4838G	61.98	74.00	-12.02	3	Horizontal	152	1.50
2437MHz	Pass	AV	4.86392G	34.17	54.00	-19.83	3	Vertical	131	1.22
2437MHz	Pass	AV	7.32696G	39.23	54.00	-14.77	3	Vertical	321	1.05
2437MHz	Pass	PK	4.86032G	48.18	74.00	-25.82	3	Vertical	131	1.22
2437MHz	Pass	PK	7.32312G	52.13	74.00	-21.87	3	Vertical	321	1.05
2437MHz	Pass	AV	4.89704G	34.21	54.00	-19.79	3	Horizontal	48	1.50
2437MHz	Pass	AV	7.32492G	39.42	54.00	-14.58	3	Horizontal	360	1.50
2437MHz	Pass	PK	4.8722G	47.44	74.00	-26.56	3	Horizontal	48	1.50
2437MHz	Pass	PK	7.31436G	51.99	74.00	-22.01	3	Horizontal	360	1.50
2447MHz	Pass	AV	2.3874G	52.32	54.00	-1.68	3	Vertical	54	1.49
2447MHz	Pass	AV	2.418G	111.90	Inf	-Inf	3	Vertical	54	1.49
2447MHz	Pass	PK	2.3868G	60.75	74.00	-13.25	3	Vertical	54	1.49
2447MHz	Pass	PK	2.4162G	114.01	Inf	-Inf	3	Vertical	54	1.49
2447MHz	Pass	AV	2.39G	48.64	54.00	-5.36	3	Horizontal	148	1.24
2447MHz	Pass	AV	2.4164G	104.89	Inf	-Inf	3	Horizontal	148	1.24
2447MHz	Pass	PK	2.377G	58.69	74.00	-15.31	3	Horizontal	148	1.24
2447MHz	Pass	PK	2.416G	107.19	Inf	-Inf	3	Horizontal	148	1.24
2452MHz	Pass	PK	2.382G	60.47	74.00	-13.53	3	Vertical	71	1.12
2452MHz	Pass	AV	2.3832G	49.07	54.00	-4.93	3	Vertical	71	1.12
2452MHz	Pass	PK	2.454G	113.50	Inf	-Inf	3	Vertical	71	1.12
2452MHz	Pass	AV	2.4532G	102.15	Inf	-Inf	3	Vertical	71	1.12
2452MHz	Pass	PK	2.4884G	66.92	74.00	-7.08	3	Vertical	71	1.12
2452MHz	Pass	AV	2.4835G	53.90	54.00	-0.10	3	Vertical	71	1.12
2452MHz	Pass	PK	2.3616G	59.58	74.00	-14.42	3	Horizontal	144	2.90
2452MHz	Pass	AV	2.3888G	48.72	54.00	-5.28	3	Horizontal	144	2.90
2452MHz	Pass	PK	2.4496G	110.05	Inf	-Inf	3	Horizontal	144	2.90
2452MHz	Pass	AV	2.4496G	97.77	Inf	-Inf	3	Horizontal	144	2.90
2452MHz	Pass	PK	2.4868G	63.00	74.00	-11.00	3	Horizontal	144	2.90
2452MHz	Pass	AV	2.4868G	50.99	54.00	-3.01	3	Horizontal	144	2.90
2452MHz	Pass	AV	4.898G	34.31	54.00	-19.69	3	Vertical	119	1.35
2452MHz	Pass	AV	7.32624G	39.27	54.00	-14.73	3	Vertical	7	1.50
2452MHz	Pass	PK	4.9232G	47.45	74.00	-26.55	3	Vertical	119	1.35
2452MHz	Pass	PK	7.34712G	52.13	74.00	-21.87	3	Vertical	7	1.50
2452MHz	Pass	AV	4.89368G	34.23	54.00	-19.77	3	Horizontal	295	1.50
2452MHz	Pass	AV	7.32984G	39.37	54.00	-14.63	3	Horizontal	35	1.50
2452MHz	Pass	PK	4.91828G	47.87	74.00	-26.13	3	Horizontal	295	1.50
2452MHz	Pass	PK	7.35384G	53.14	74.00	-20.86	3	Horizontal	35	1.50

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

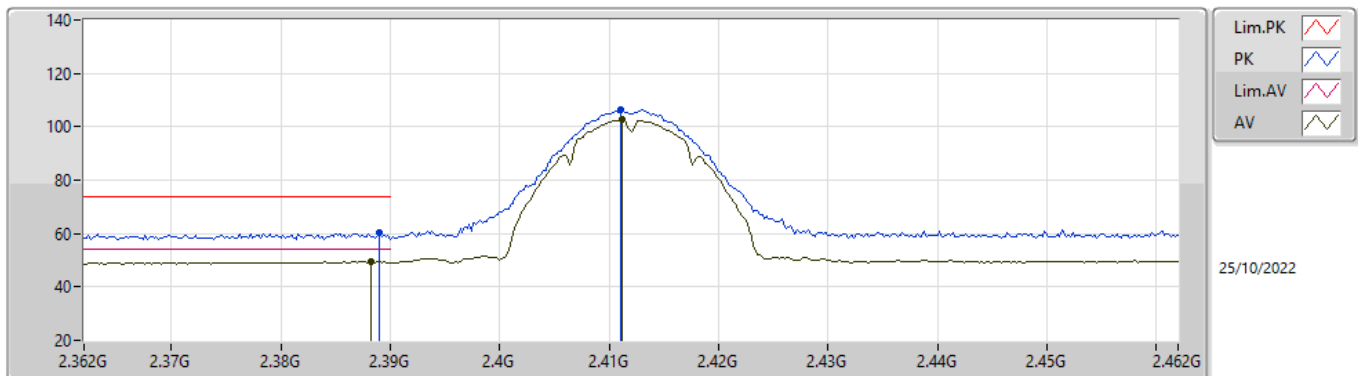
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3872G	51.68	54.00	-2.32	35.78	3	Vertical	68	1.04	15.90	27.50	8.28	-
AV	2.413G	112.11	Inf	-Inf	35.93	3	Vertical	68	1.04	76.18	27.63	8.30	-
PK	2.3874G	61.44	74.00	-12.56	35.78	3	Vertical	68	1.04	25.66	27.50	8.28	-
PK	2.413G	114.77	Inf	-Inf	35.93	3	Vertical	68	1.04	78.84	27.63	8.30	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

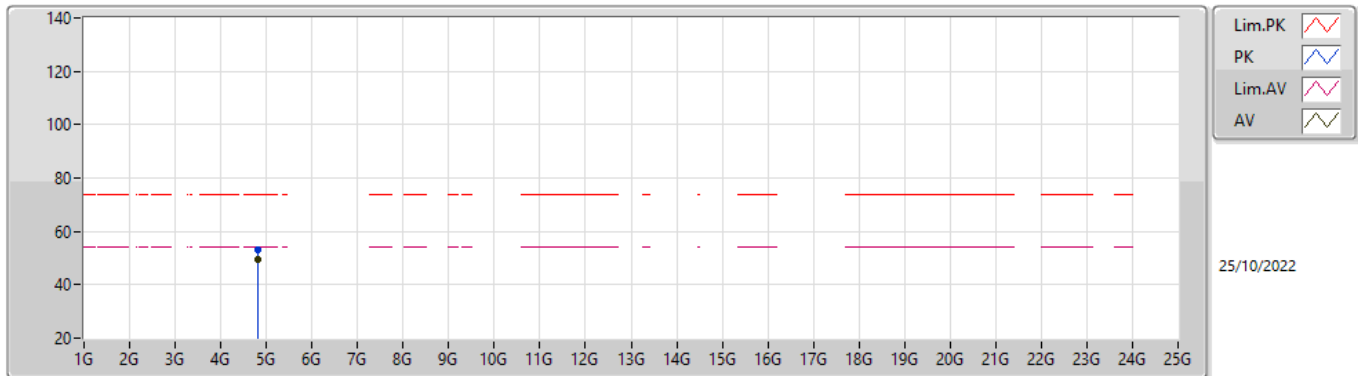
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3882G	49.56	54.00	-4.44	35.79	3	Horizontal	183	1.94	13.77	27.51	8.28	-
AV	2.4112G	102.60	Inf	-Inf	35.92	3	Horizontal	183	1.94	66.68	27.62	8.30	-
PK	2.389G	60.48	74.00	-13.52	35.79	3	Horizontal	183	1.94	24.69	27.51	8.28	-
PK	2.411G	106.34	Inf	-Inf	35.92	3	Horizontal	183	1.94	70.42	27.62	8.30	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

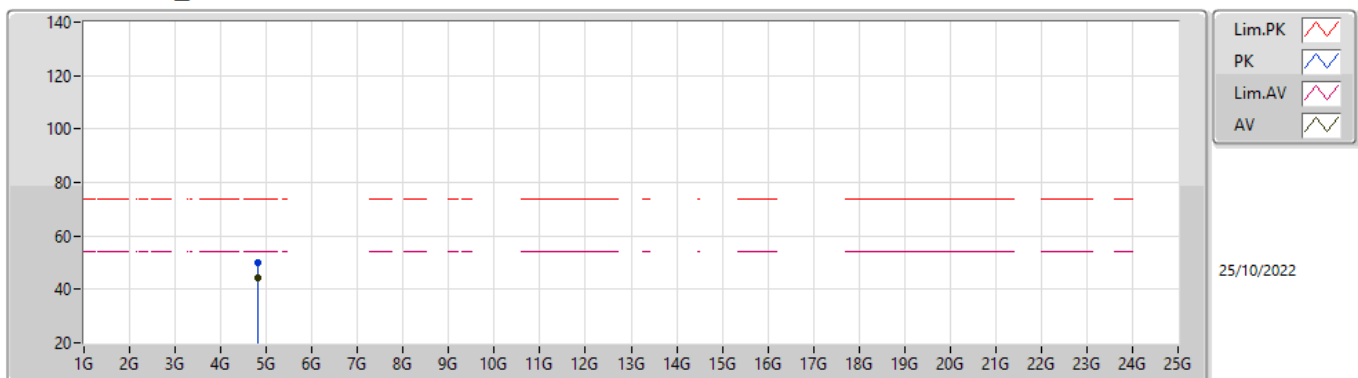
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.824G	49.23	54.00	-4.77	12.00	3	Vertical	199	1.26	37.23	32.34	9.68	30.02
PK	4.824G	52.87	74.00	-21.13	12.00	3	Vertical	199	1.26	40.87	32.34	9.68	30.02

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

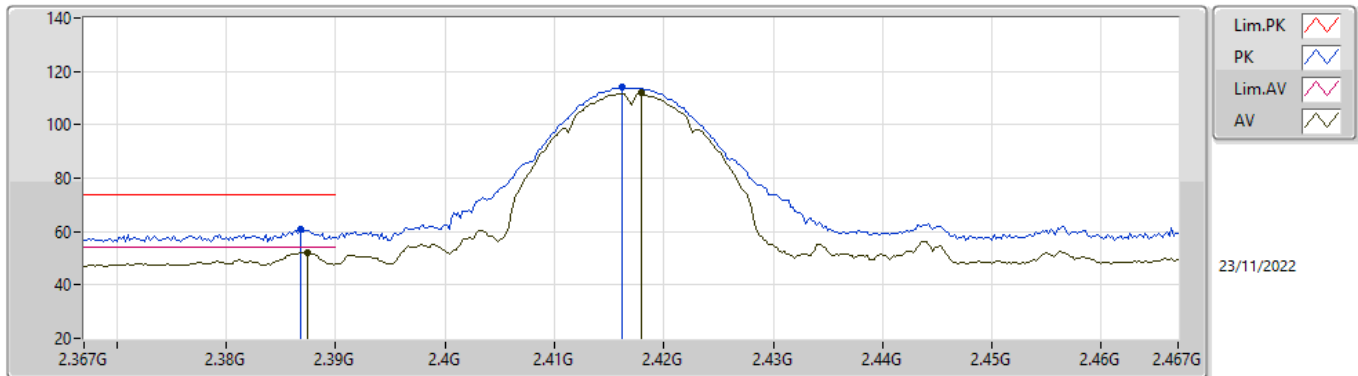
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.824G	44.41	54.00	-9.59	12.00	3	Horizontal	155	2.63	32.41	32.34	9.68	30.02
PK	4.82412G	49.91	74.00	-24.09	12.00	3	Horizontal	155	2.63	37.91	32.34	9.68	30.02

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

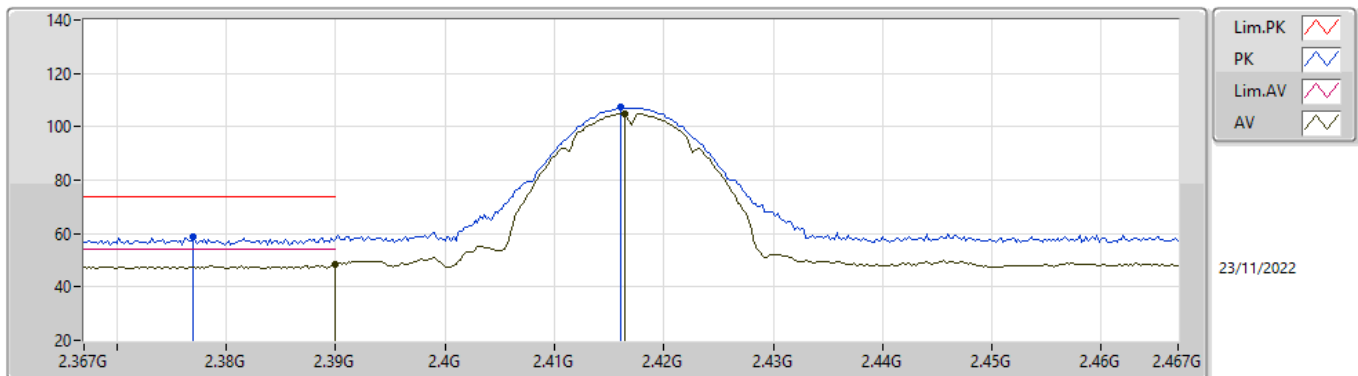
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3874G	52.32	54.00	-1.68	32.00	3	Vertical	54	1.49	20.32	27.52	4.48	-
AV	2.418G	111.90	Inf	-Inf	32.11	3	Vertical	54	1.49	79.79	27.64	4.47	-
PK	2.3868G	60.75	74.00	-13.25	32.00	3	Vertical	54	1.49	28.75	27.52	4.48	-
PK	2.4162G	114.01	Inf	-Inf	32.10	3	Vertical	54	1.49	81.91	27.63	4.47	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

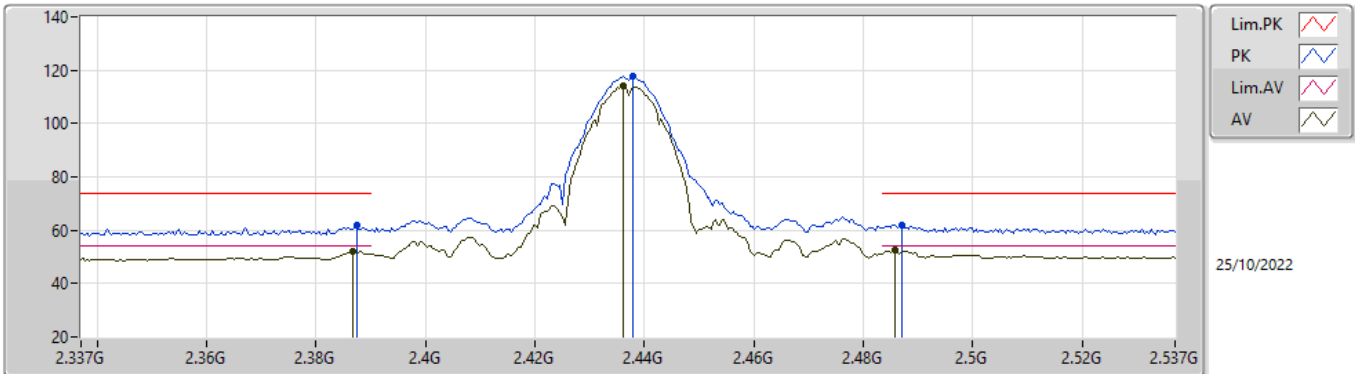
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	48.64	54.00	-5.36	32.02	3	Horizontal	148	1.24	16.62	27.54	4.48	-
AV	2.4164G	104.89	Inf	-Inf	32.10	3	Horizontal	148	1.24	72.79	27.63	4.47	-
PK	2.377G	58.69	74.00	-15.31	31.94	3	Horizontal	148	1.24	26.75	27.46	4.48	-
PK	2.416G	107.19	Inf	-Inf	32.10	3	Horizontal	148	1.24	75.09	27.63	4.47	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

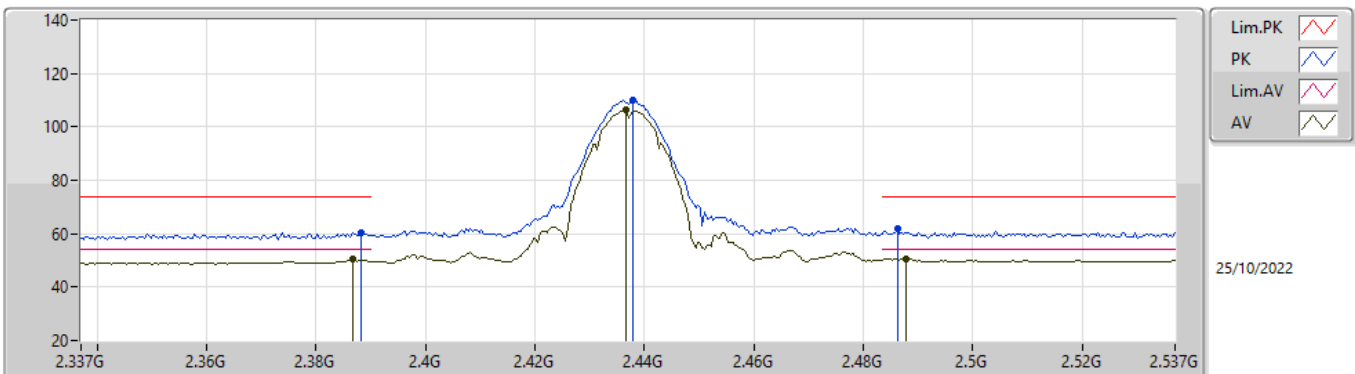
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3866G	52.08	54.00	-1.92	35.77	3	Vertical	67	1.14	16.31	27.49	8.28	-
AV	2.4362G	113.95	Inf	-Inf	35.98	3	Vertical	67	1.14	77.97	27.67	8.31	-
AV	2.4858G	52.42	54.00	-1.58	36.19	3	Vertical	67	1.14	16.23	27.84	8.35	-
PK	2.3874G	61.69	74.00	-12.31	35.78	3	Vertical	67	1.14	25.91	27.50	8.28	-
PK	2.4378G	117.68	Inf	-Inf	35.99	3	Vertical	67	1.14	81.69	27.68	8.31	-
PK	2.487G	61.83	74.00	-12.17	36.20	3	Vertical	67	1.14	25.63	27.85	8.35	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

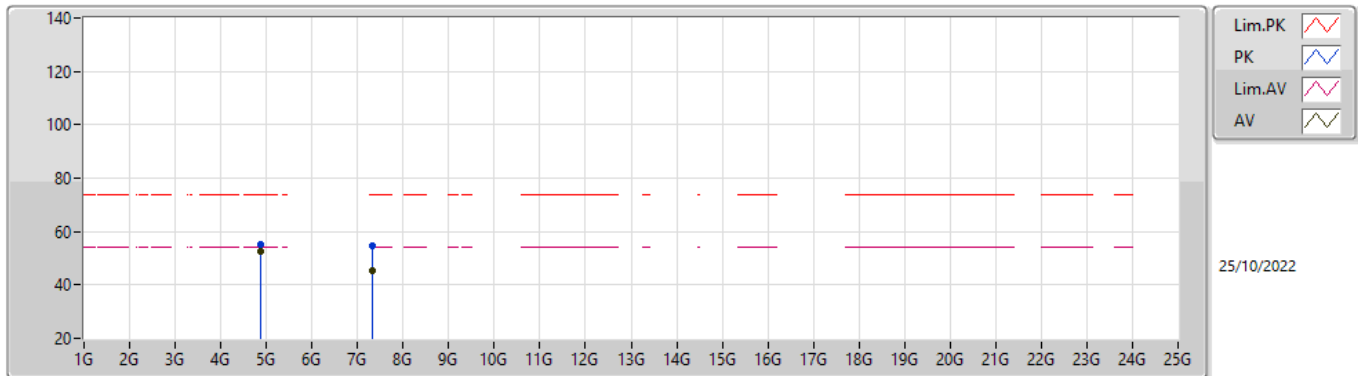
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3866G	50.33	54.00	-3.67	35.77	3	Horizontal	304	1.11	14.56	27.49	8.28	-
AV	2.4366G	106.41	Inf	-Inf	35.98	3	Horizontal	304	1.11	70.43	27.67	8.31	-
AV	2.4878G	50.67	54.00	-3.33	36.20	3	Horizontal	304	1.11	14.47	27.85	8.35	-
PK	2.3882G	60.32	74.00	-13.68	35.79	3	Horizontal	304	1.11	24.53	27.51	8.28	-
PK	2.4378G	109.96	Inf	-Inf	35.99	3	Horizontal	304	1.11	73.97	27.68	8.31	-
PK	2.4862G	61.96	74.00	-12.04	36.19	3	Horizontal	304	1.11	25.77	27.84	8.35	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

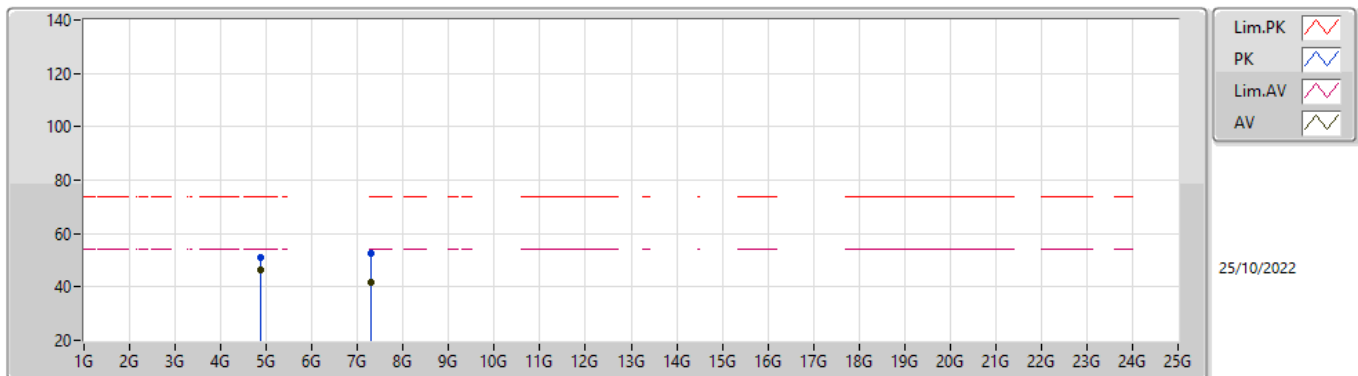
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.874G	52.37	54.00	-1.63	12.30	3	Vertical	160	1.06	40.07	32.60	9.70	30.00
AV	7.31178G	45.09	54.00	-8.91	17.36	3	Vertical	148	1.00	27.73	36.75	11.32	30.71
PK	4.874G	55.10	74.00	-18.90	12.30	3	Vertical	160	1.06	42.80	32.60	9.70	30.00
PK	7.31076G	54.77	74.00	-19.23	17.37	3	Vertical	148	1.00	37.40	36.76	11.32	30.71

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

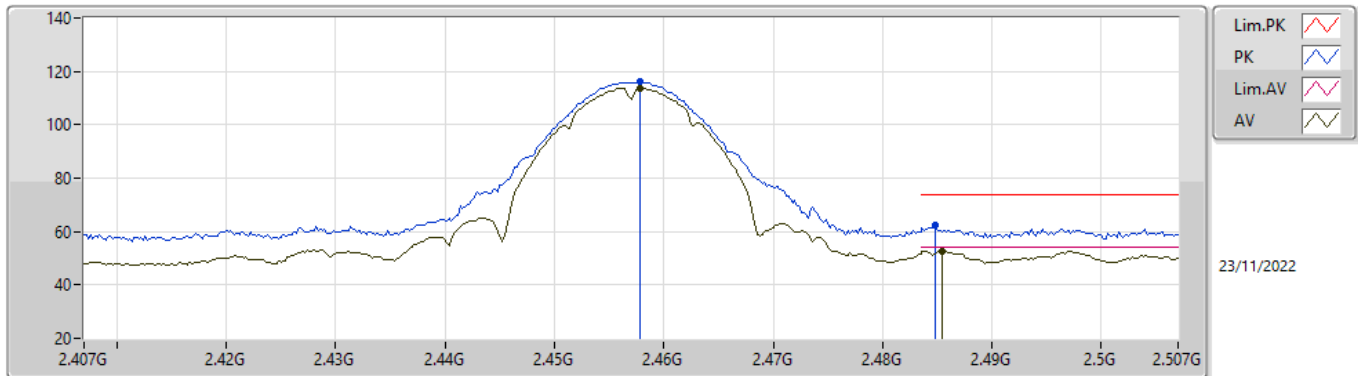
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.87412G	46.45	54.00	-7.55	12.30	3	Horizontal	151	2.72	34.15	32.60	9.70	30.00
AV	7.30998G	41.81	54.00	-12.19	17.37	3	Horizontal	52	1.00	24.44	36.76	11.32	30.71
PK	4.87412G	51.19	74.00	-22.81	12.30	3	Horizontal	151	2.72	38.89	32.60	9.70	30.00
PK	7.30962G	52.75	74.00	-21.25	17.37	3	Horizontal	52	1.00	35.38	36.76	11.32	30.71

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

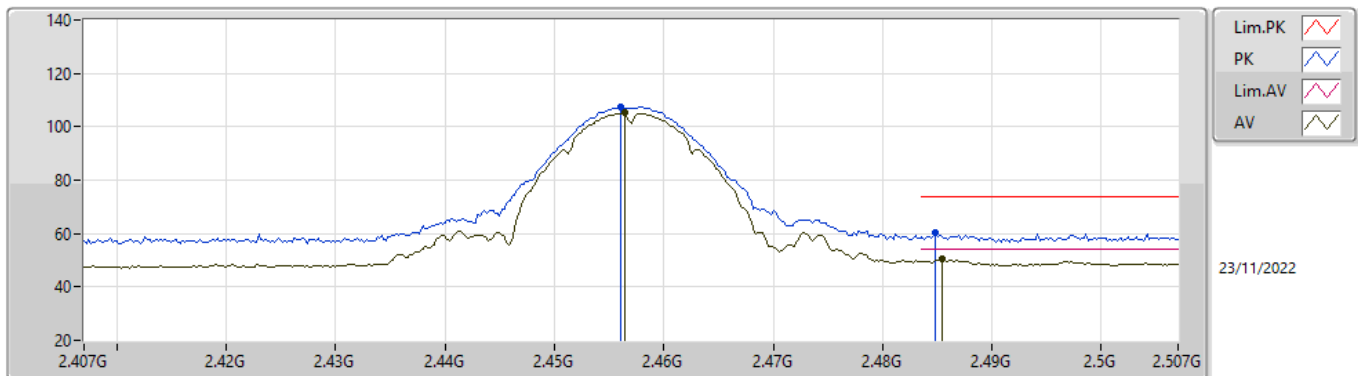
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4578G	113.73	Inf	-Inf	32.23	3	Vertical	58	1.19	81.50	27.75	4.48	-
AV	2.4854G	52.78	54.00	-1.22	32.39	3	Vertical	58	1.19	20.39	27.91	4.48	-
PK	2.4578G	116.00	Inf	-Inf	32.23	3	Vertical	58	1.19	83.77	27.75	4.48	-
PK	2.4848G	62.20	74.00	-11.80	32.39	3	Vertical	58	1.19	29.81	27.91	4.48	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

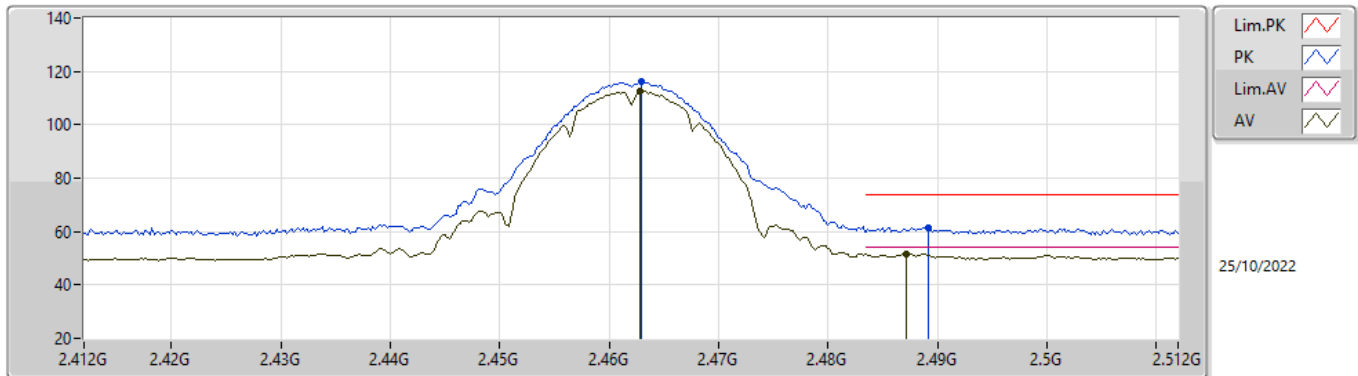
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4564G	105.16	Inf	-Inf	32.22	3	Horizontal	148	1.45	72.94	27.74	4.48	-
AV	2.4854G	50.60	54.00	-3.40	32.39	3	Horizontal	148	1.45	18.21	27.91	4.48	-
PK	2.456G	107.48	Inf	-Inf	32.22	3	Horizontal	148	1.45	75.26	27.74	4.48	-
PK	2.4848G	60.11	74.00	-13.89	32.39	3	Horizontal	148	1.45	27.72	27.91	4.48	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

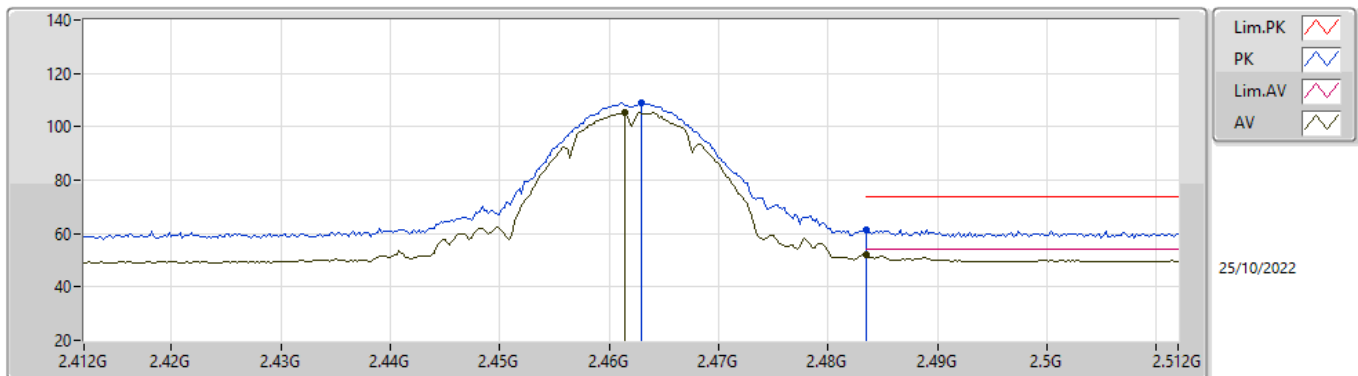
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	112.46	Inf	-Inf	36.08	3	Vertical	69	1.00	76.38	27.75	8.33	-
AV	2.4872G	51.54	54.00	-2.46	36.20	3	Vertical	69	1.00	15.34	27.85	8.35	-
PK	2.463G	116.23	Inf	-Inf	36.08	3	Vertical	69	1.00	80.15	27.75	8.33	-
PK	2.4892G	61.59	74.00	-12.41	36.21	3	Vertical	69	1.00	25.38	27.86	8.35	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

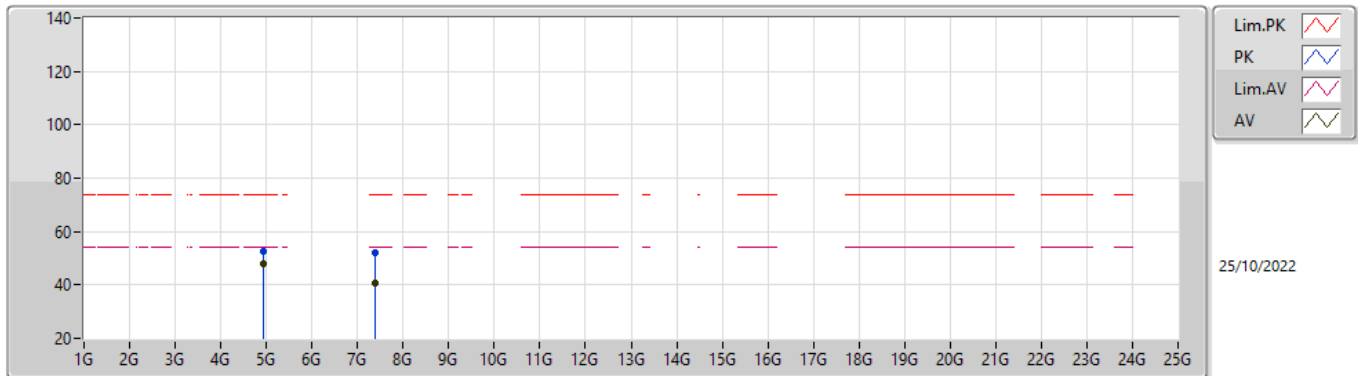
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4614G	105.39	Inf	-Inf	36.08	3	Horizontal	304	1.08	69.31	27.75	8.33	-
AV	2.4835G	51.83	54.00	-2.17	36.17	3	Horizontal	304	1.08	15.66	27.83	8.34	-
PK	2.463G	109.11	Inf	-Inf	36.08	3	Horizontal	304	1.08	73.03	27.75	8.33	-
PK	2.4835G	61.42	74.00	-12.58	36.17	3	Horizontal	304	1.08	25.25	27.83	8.34	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

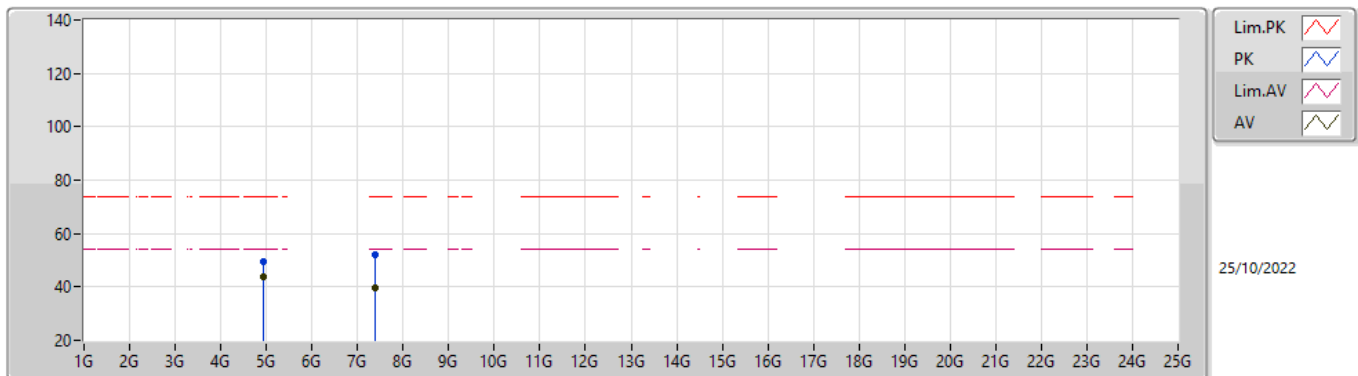
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)	
AV	4.92406G	47.99	54.00	-6.01	12.57	3	Vertical	179	1.50	35.42	32.84	9.72	29.99	
AV	7.38534G	40.92	54.00	-13.08	17.11	3	Vertical	148	1.00	23.81	36.46	11.34	30.69	
PK	4.92406G	52.49	74.00	-21.51	12.57	3	Vertical	179	1.50	39.92	32.84	9.72	29.99	
PK	7.39812G	52.11	74.00	-21.89	17.07	3	Vertical	148	1.00	35.04	36.41	11.34	30.68	

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

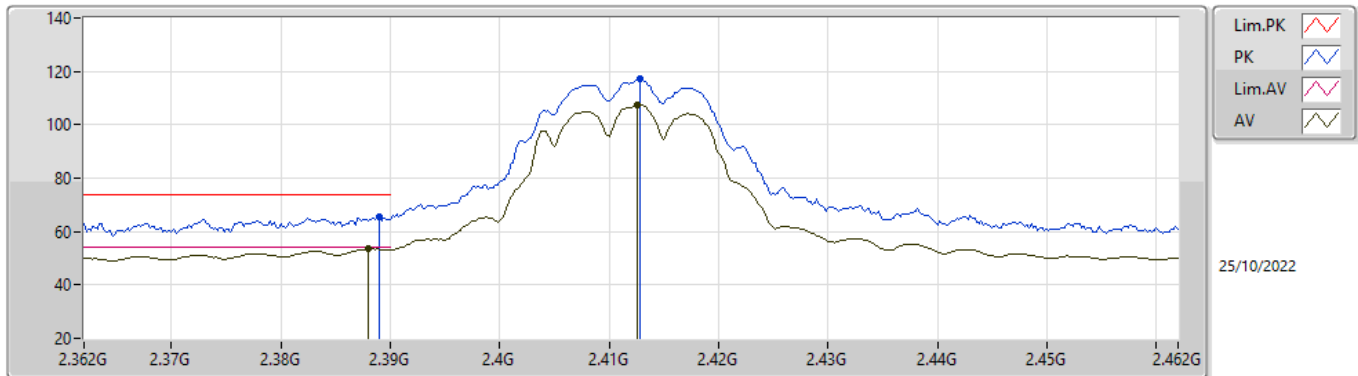
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)	
AV	4.924G	43.64	54.00	-10.36	12.57	3	Horizontal	155	2.85	31.07	32.84	9.72	29.99	
AV	7.39884G	39.60	54.00	-14.40	17.06	3	Horizontal	353	1.50	22.54	36.40	11.34	30.68	
PK	4.92406G	49.68	74.00	-24.32	12.57	3	Horizontal	155	2.85	37.11	32.84	9.72	29.99	
PK	7.3983G	51.92	74.00	-22.08	17.07	3	Horizontal	353	1.50	34.85	36.41	11.34	30.68	

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

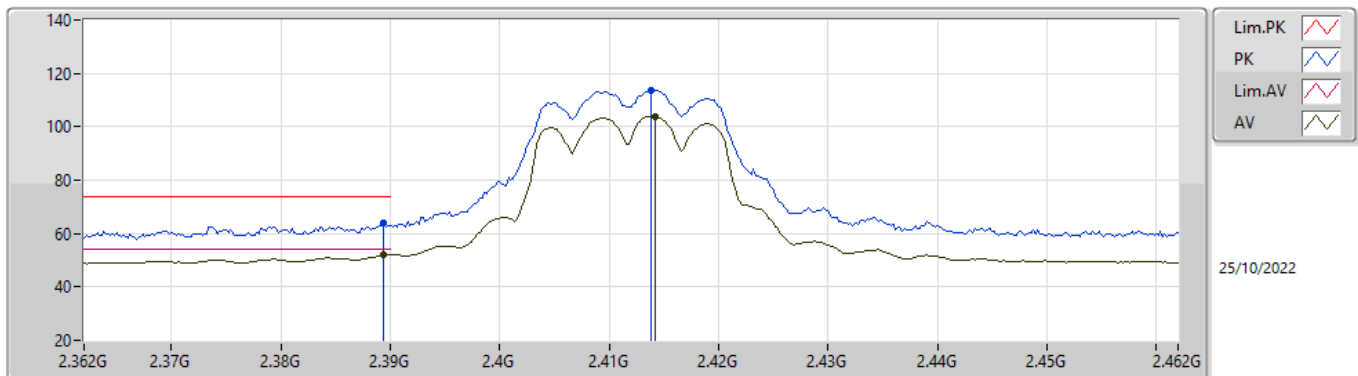
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.388G	53.67	54.00	-0.33	35.78	3	Vertical	69	1.08	17.89	27.50	8.28	-
AV	2.4126G	107.65	Inf	-Inf	35.93	3	Vertical	69	1.08	71.72	27.63	8.30	-
PK	2.389G	65.32	74.00	-8.68	35.79	3	Vertical	69	1.08	29.53	27.51	8.28	-
PK	2.4128G	117.14	Inf	-Inf	35.93	3	Vertical	69	1.08	81.21	27.63	8.30	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

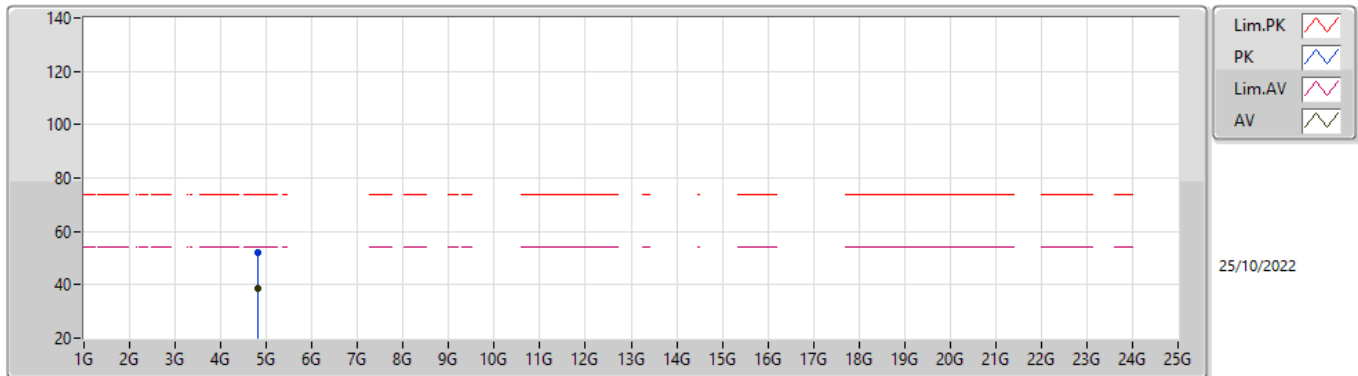
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	51.95	54.00	-2.05	35.80	3	Horizontal	73	2.67	16.15	27.52	8.28	-
AV	2.4142G	103.92	Inf	-Inf	35.93	3	Horizontal	73	2.67	67.99	27.63	8.30	-
PK	2.3894G	63.77	74.00	-10.23	35.80	3	Horizontal	73	2.67	27.97	27.52	8.28	-
PK	2.4138G	113.83	Inf	-Inf	35.93	3	Horizontal	73	2.67	77.90	27.63	8.30	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

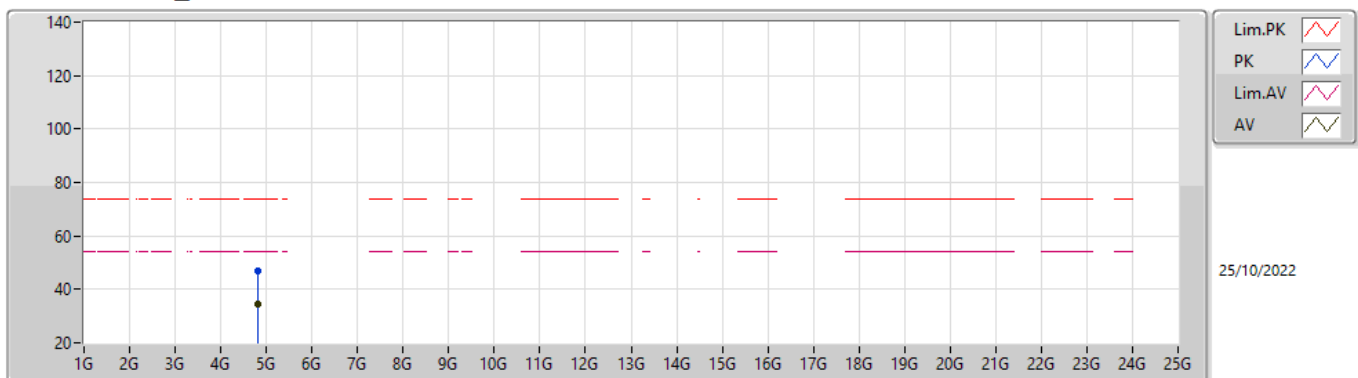
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.82532G	38.64	54.00	-15.36	12.01	3	Vertical	161	1.00	26.63	32.35	9.68	30.02
PK	4.82466G	52.11	74.00	-21.89	12.01	3	Vertical	161	1.00	40.10	32.35	9.68	30.02

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

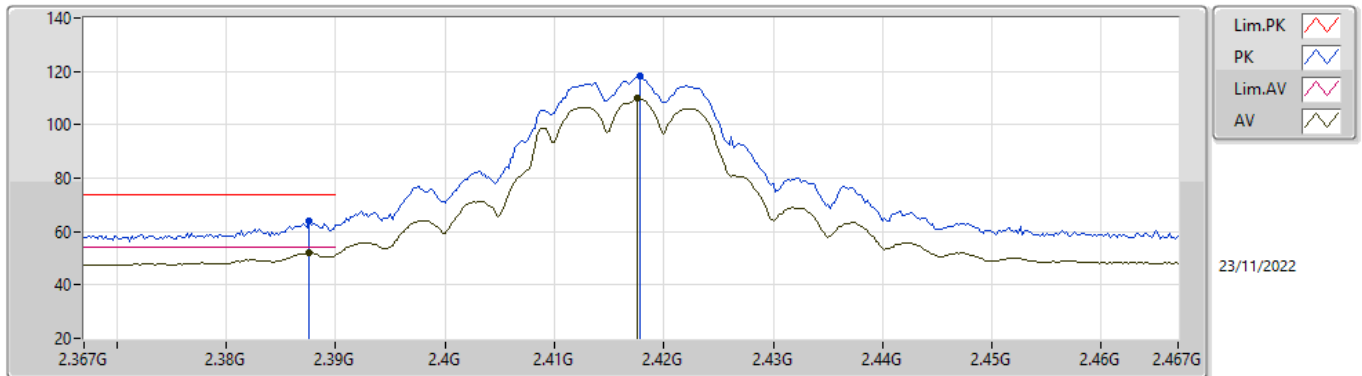
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.82544G	34.64	54.00	-19.36	12.01	3	Horizontal	94	1.20	22.63	32.35	9.68	30.02
PK	4.82034G	46.88	74.00	-27.12	11.98	3	Horizontal	94	1.20	34.90	32.32	9.68	30.02

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

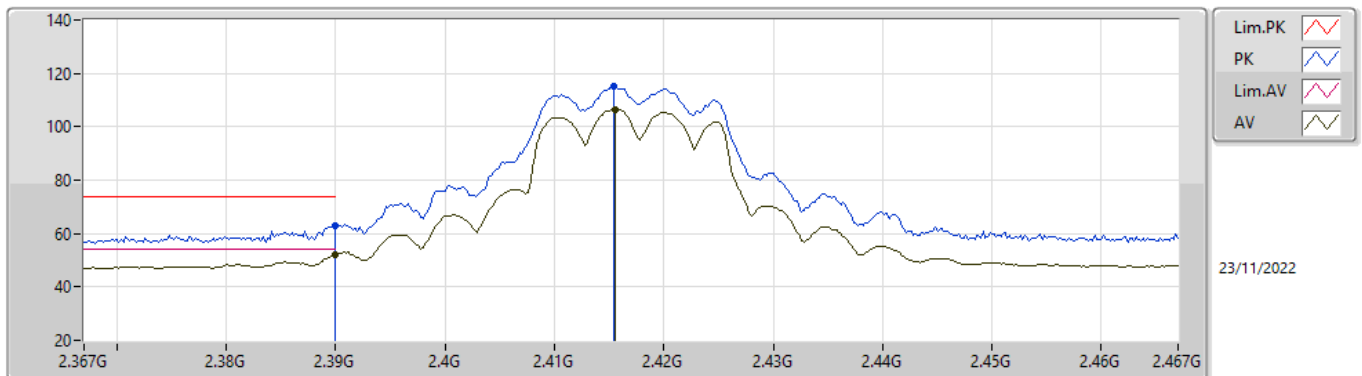
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3876G	52.07	54.00	-1.93	32.01	3	Vertical	62	2.93	20.06	27.53	4.48	-
AV	2.4176G	109.87	Inf	-Inf	32.11	3	Vertical	62	2.93	77.76	27.64	4.47	-
PK	2.3876G	63.97	74.00	-10.03	32.01	3	Vertical	62	2.93	31.96	27.53	4.48	-
PK	2.4178G	118.09	Inf	-Inf	32.11	3	Vertical	62	2.93	85.98	27.64	4.47	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

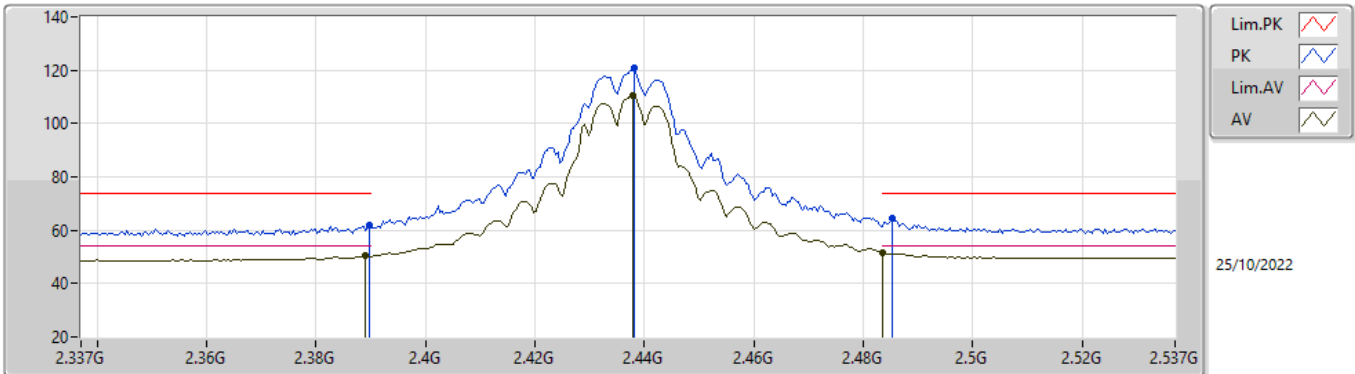
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.09	54.00	-1.91	32.02	3	Horizontal	147	2.97	20.07	27.54	4.48	-
AV	2.4156G	106.43	Inf	-Inf	32.10	3	Horizontal	147	2.97	74.33	27.63	4.47	-
PK	2.39G	63.16	74.00	-10.84	32.02	3	Horizontal	147	2.97	31.14	27.54	4.48	-
PK	2.4154G	115.26	Inf	-Inf	32.10	3	Horizontal	147	2.97	83.16	27.63	4.47	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

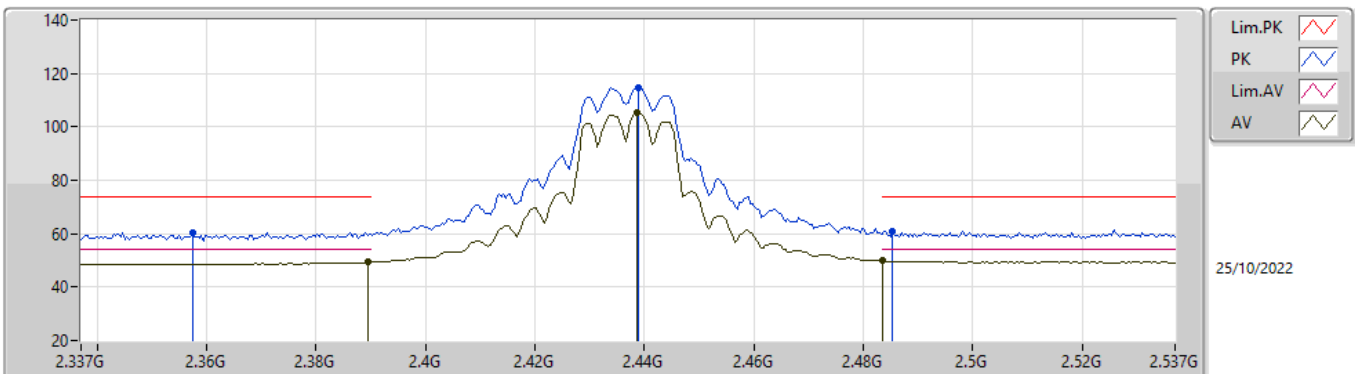
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.389G	50.28	54.00	-3.72	35.79	3	Vertical	68	1.13	14.49	27.51	8.28	-
AV	2.4378G	110.53	Inf	-Inf	35.99	3	Vertical	68	1.13	74.54	27.68	8.31	-
AV	2.4835G	51.45	54.00	-2.55	36.17	3	Vertical	68	1.13	15.28	27.83	8.34	-
PK	2.3898G	62.02	74.00	-11.98	35.80	3	Vertical	68	1.13	26.22	27.52	8.28	-
PK	2.4382G	120.77	Inf	-Inf	35.99	3	Vertical	68	1.13	84.78	27.68	8.31	-
PK	2.4854G	64.68	74.00	-9.32	36.19	3	Vertical	68	1.13	28.49	27.84	8.35	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

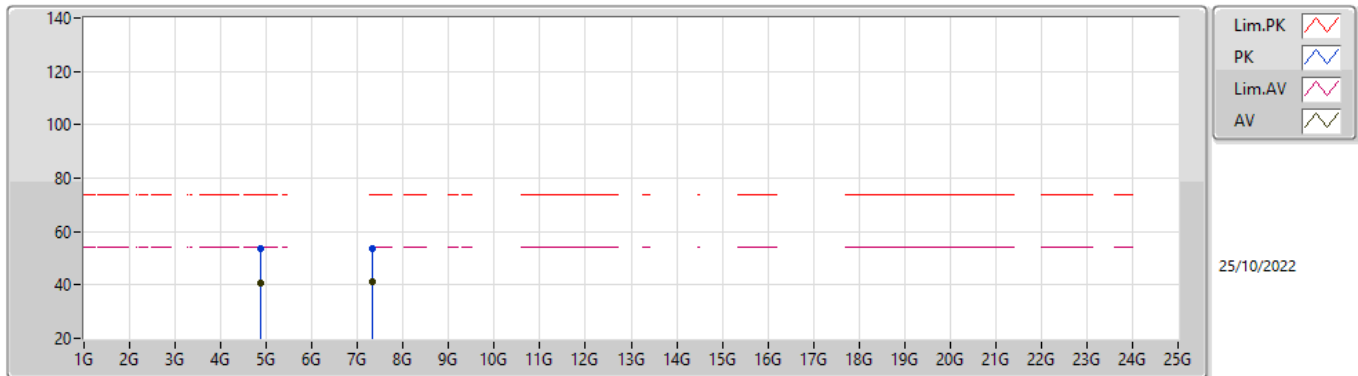
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	49.45	54.00	-4.55	35.80	3	Horizontal	72	2.62	13.65	27.52	8.28	-
AV	2.4386G	105.50	Inf	-Inf	36.00	3	Horizontal	72	2.62	69.50	27.68	8.32	-
AV	2.4835G	49.90	54.00	-4.10	36.17	3	Horizontal	72	2.62	13.73	27.83	8.34	-
PK	2.3574G	60.53	74.00	-13.47	35.52	3	Horizontal	72	2.62	25.01	27.26	8.26	-
PK	2.439G	114.84	Inf	-Inf	36.00	3	Horizontal	72	2.62	78.84	27.68	8.32	-
PK	2.4854G	60.77	74.00	-13.23	36.19	3	Horizontal	72	2.62	24.58	27.84	8.35	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

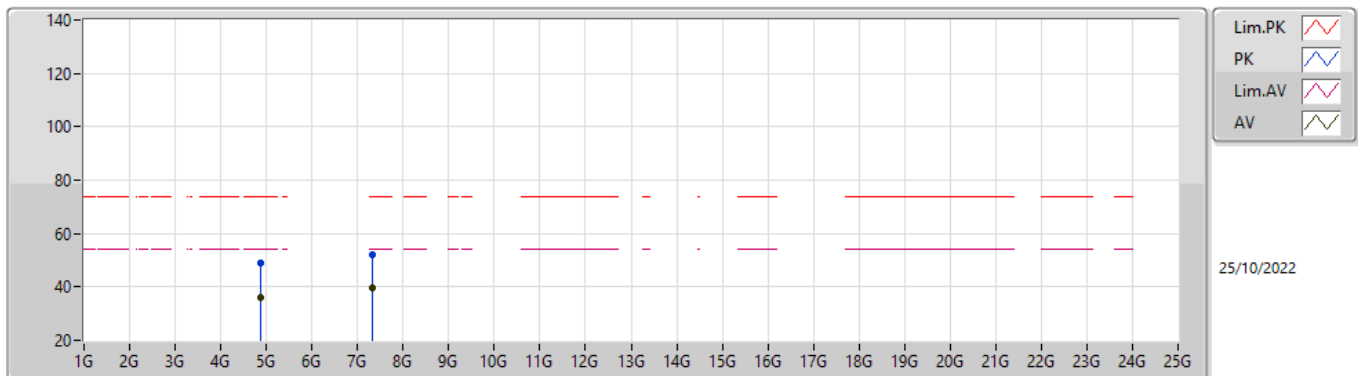
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87502G	40.45	54.00	-13.55	12.30	3	Vertical	161	1.05	28.15	32.60	9.70	30.00
AV	7.31052G	41.31	54.00	-12.69	17.37	3	Vertical	147	1.00	23.94	36.76	11.32	30.71
PK	4.8755G	53.52	74.00	-20.48	12.30	3	Vertical	161	1.05	41.22	32.60	9.70	30.00
PK	7.3104G	53.83	74.00	-20.17	17.37	3	Vertical	147	1.00	36.46	36.76	11.32	30.71

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

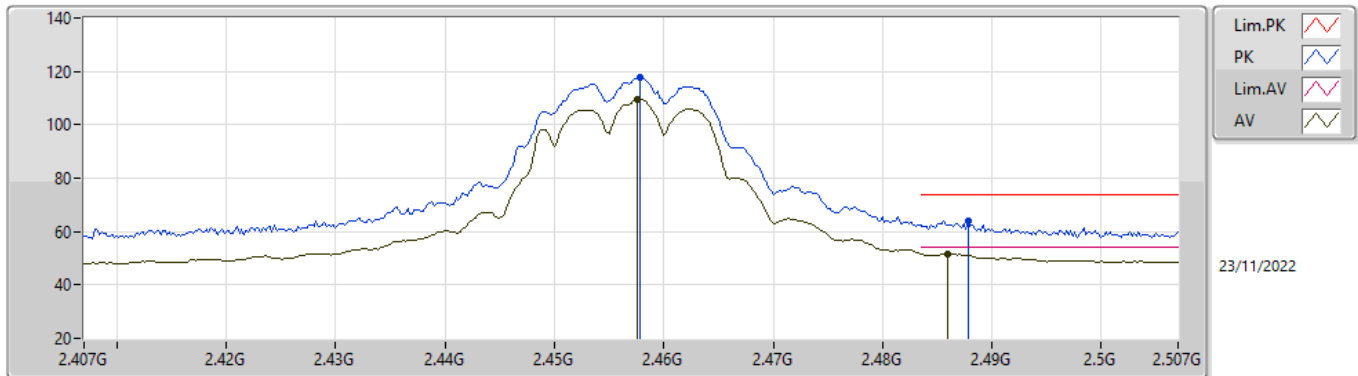
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87544G	36.16	54.00	-17.84	12.30	3	Horizontal	306	1.00	23.86	32.60	9.70	30.00
AV	7.31364G	39.65	54.00	-14.35	17.36	3	Horizontal	91	1.50	22.29	36.75	11.32	30.71
PK	4.87388G	48.84	74.00	-25.16	12.30	3	Horizontal	306	1.00	36.54	32.60	9.70	30.00
PK	7.31352G	52.15	74.00	-21.85	17.36	3	Horizontal	91	1.50	34.79	36.75	11.32	30.71

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

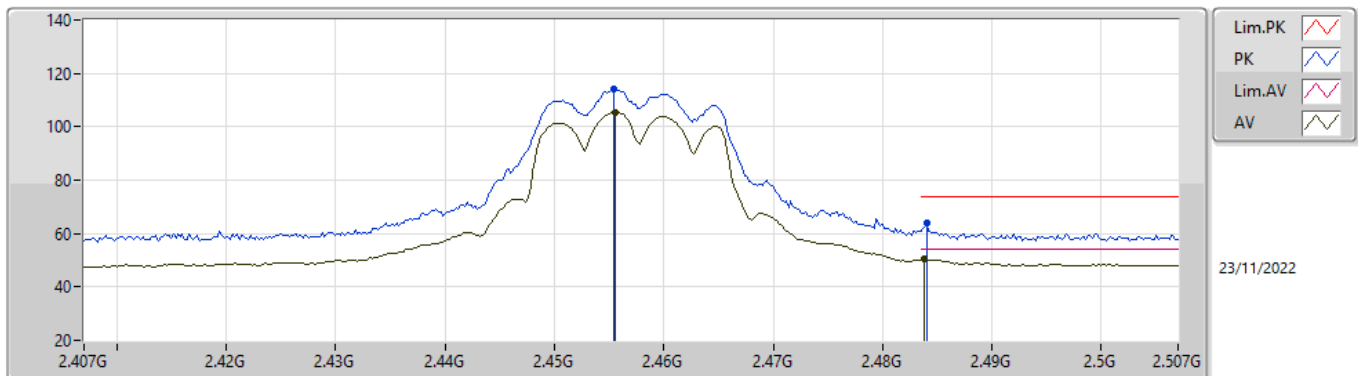
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4576G	109.54	Inf	-Inf	32.23	3	Vertical	65	1.19	77.31	27.75	4.48	-
AV	2.486G	51.61	54.00	-2.39	32.40	3	Vertical	65	1.19	19.21	27.92	4.48	-
PK	2.4578G	117.76	Inf	-Inf	32.23	3	Vertical	65	1.19	85.53	27.75	4.48	-
PK	2.4878G	63.97	74.00	-10.03	32.41	3	Vertical	65	1.19	31.56	27.93	4.48	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

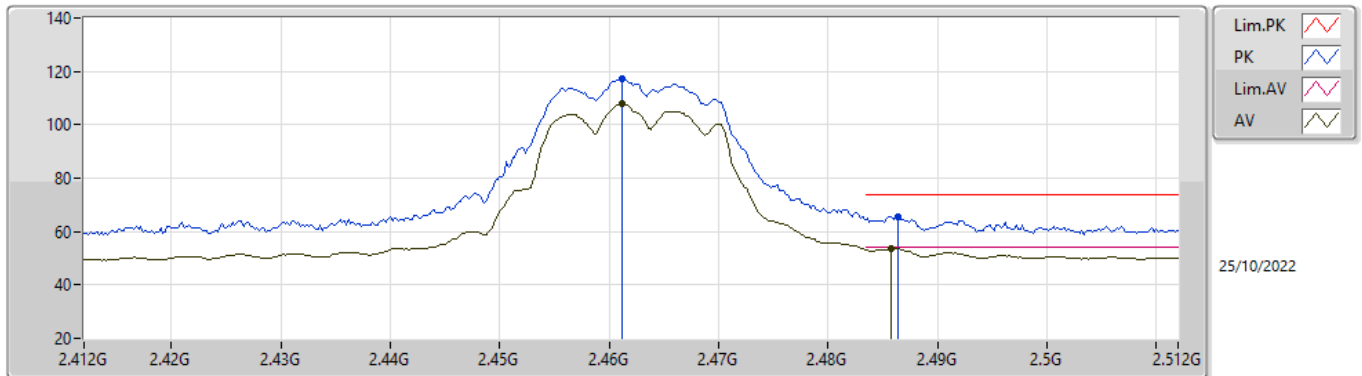
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4556G	105.26	Inf	-Inf	32.21	3	Horizontal	141	2.86	73.05	27.73	4.48	-
AV	2.4838G	50.41	54.00	-3.59	32.38	3	Horizontal	141	2.86	18.03	27.90	4.48	-
PK	2.4554G	113.96	Inf	-Inf	32.21	3	Horizontal	141	2.86	81.75	27.73	4.48	-
PK	2.484G	64.14	74.00	-9.86	32.38	3	Horizontal	141	2.86	31.76	27.90	4.48	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

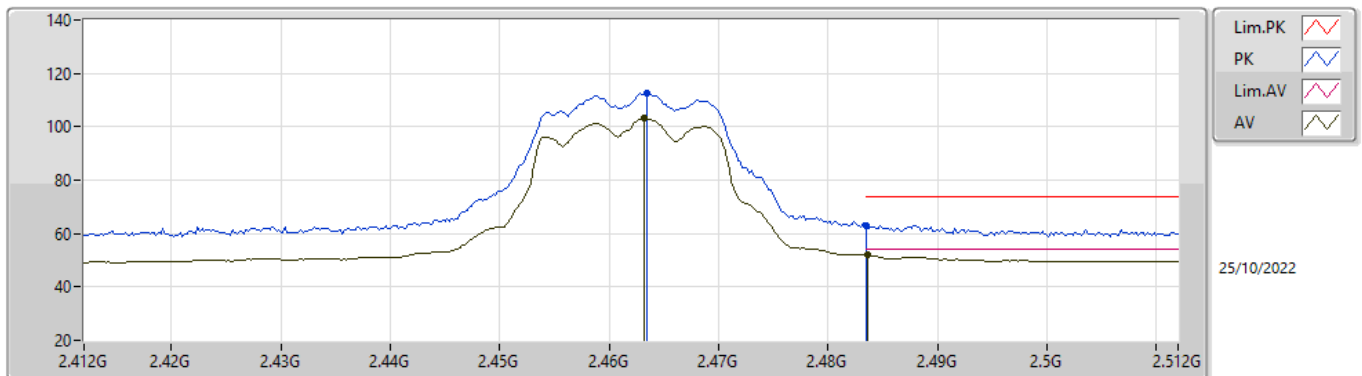
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	107.72	Inf	-Inf	36.07	3	Vertical	38	1.50	71.65	27.74	8.33	-
AV	2.4858G	53.51	54.00	-0.49	36.19	3	Vertical	38	1.50	17.32	27.84	8.35	-
PK	2.4612G	117.40	Inf	-Inf	36.07	3	Vertical	38	1.50	81.33	27.74	8.33	-
PK	2.4864G	65.75	74.00	-8.25	36.20	3	Vertical	38	1.50	29.55	27.85	8.35	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

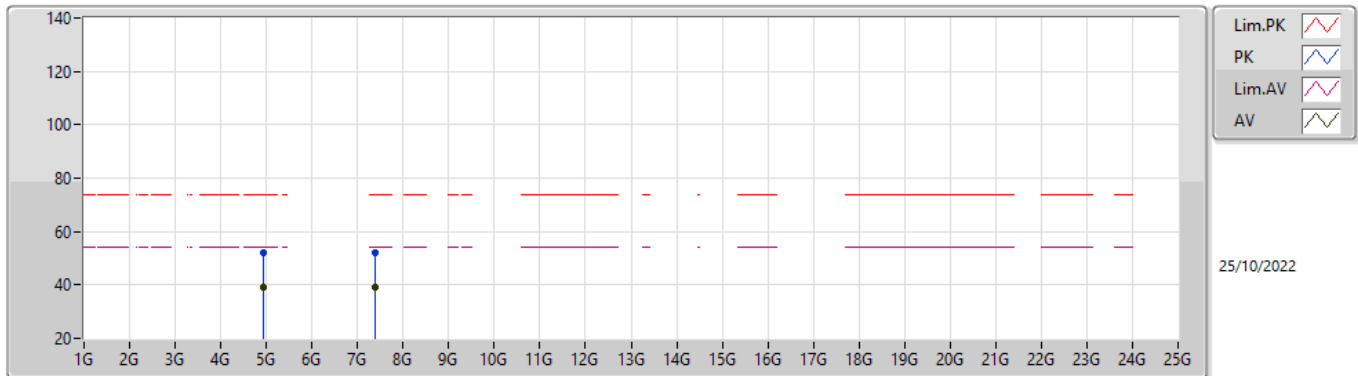
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4632G	103.19	Inf	-Inf	36.08	3	Horizontal	303	1.00	67.11	27.75	8.33	-
AV	2.4836G	52.00	54.00	-2.00	36.17	3	Horizontal	303	1.00	15.83	27.83	8.34	-
PK	2.4634G	112.44	Inf	-Inf	36.08	3	Horizontal	303	1.00	76.36	27.75	8.33	-
PK	2.4835G	63.02	74.00	-10.98	36.17	3	Horizontal	303	1.00	26.85	27.83	8.34	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

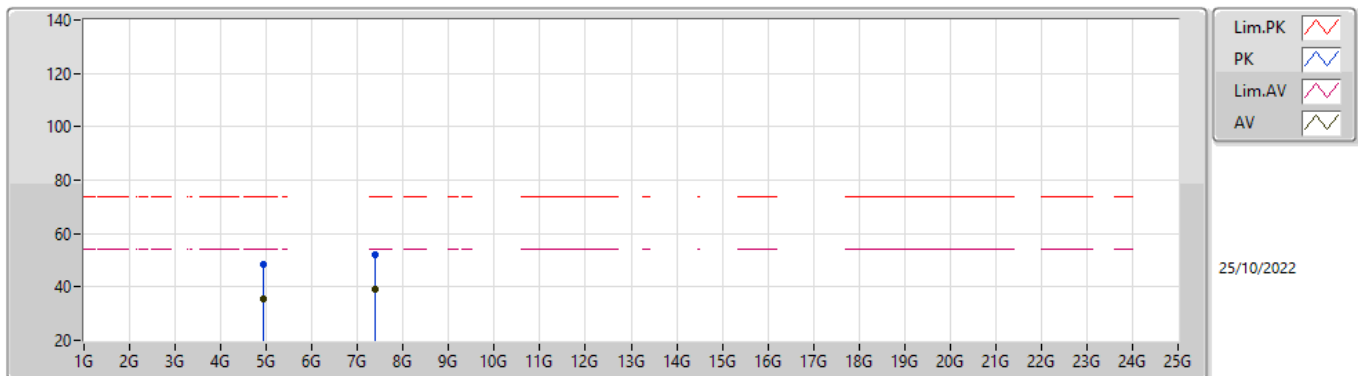
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92514G	39.16	54.00	-14.84	12.58	3	Vertical	161	1.13	26.58	32.85	9.72	29.99
AV	7.37598G	39.12	54.00	-14.88	17.15	3	Vertical	159	1.47	21.97	36.50	11.34	30.69
PK	4.92502G	52.13	74.00	-21.87	12.58	3	Vertical	161	1.13	39.55	32.85	9.72	29.99
PK	7.37382G	52.02	74.00	-21.98	17.14	3	Vertical	159	1.47	34.88	36.50	11.33	30.69

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

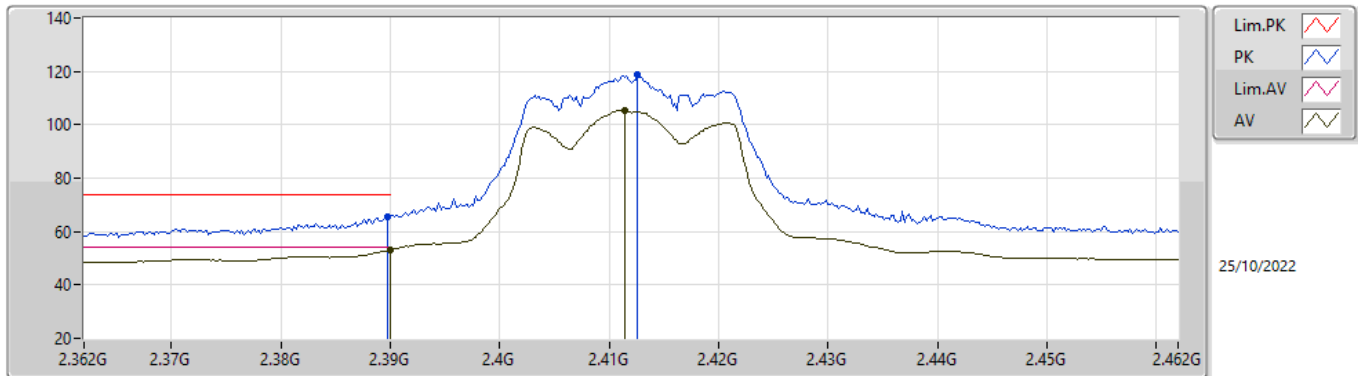
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9204G	35.44	54.00	-18.56	12.55	3	Horizontal	153	3.00	22.89	32.82	9.72	29.99
AV	7.39842G	38.88	54.00	-15.12	17.07	3	Horizontal	42	2.50	21.81	36.41	11.34	30.68
PK	4.92406G	48.62	74.00	-25.38	12.57	3	Horizontal	153	3.00	36.05	32.84	9.72	29.99
PK	7.38018G	51.95	74.00	-22.05	17.13	3	Horizontal	42	2.50	34.82	36.48	11.34	30.69

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

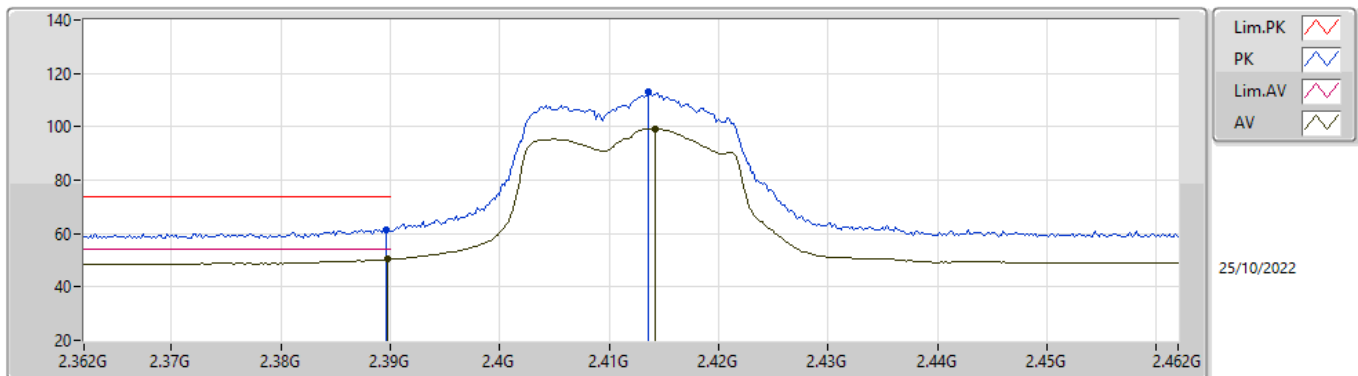
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.13	54.00	-0.87	35.80	3	Vertical	53	3.00	17.33	27.52	8.28	-
AV	2.4114G	105.51	Inf	-Inf	35.92	3	Vertical	53	3.00	69.59	27.62	8.30	-
PK	2.3898G	65.77	74.00	-8.23	35.80	3	Vertical	53	3.00	29.97	27.52	8.28	-
PK	2.4126G	118.92	Inf	-Inf	35.93	3	Vertical	53	3.00	82.99	27.63	8.30	-

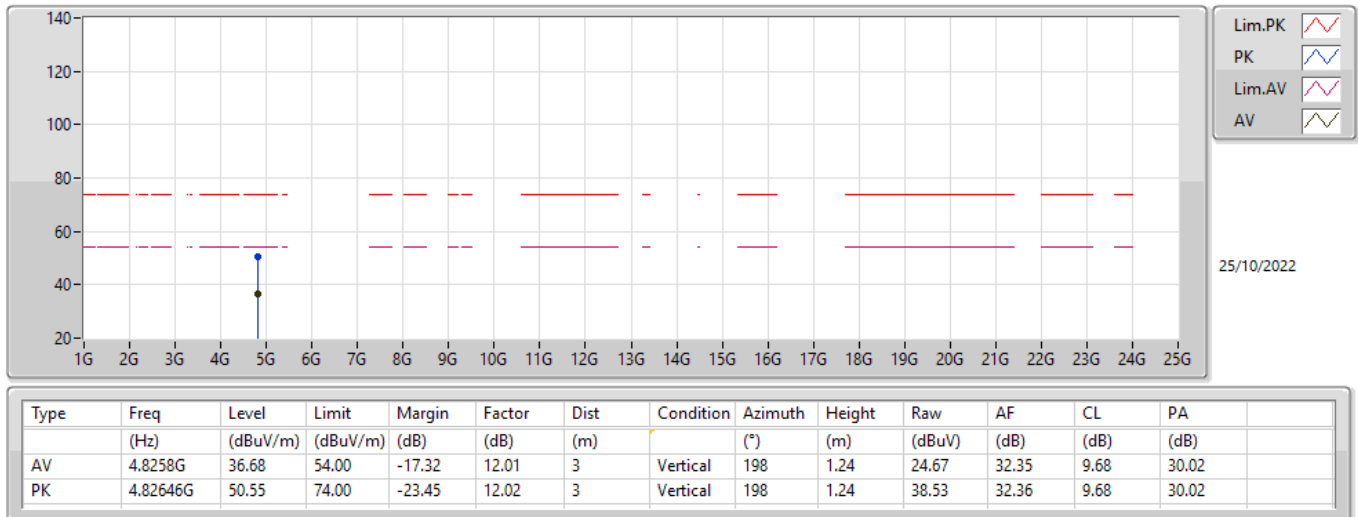
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

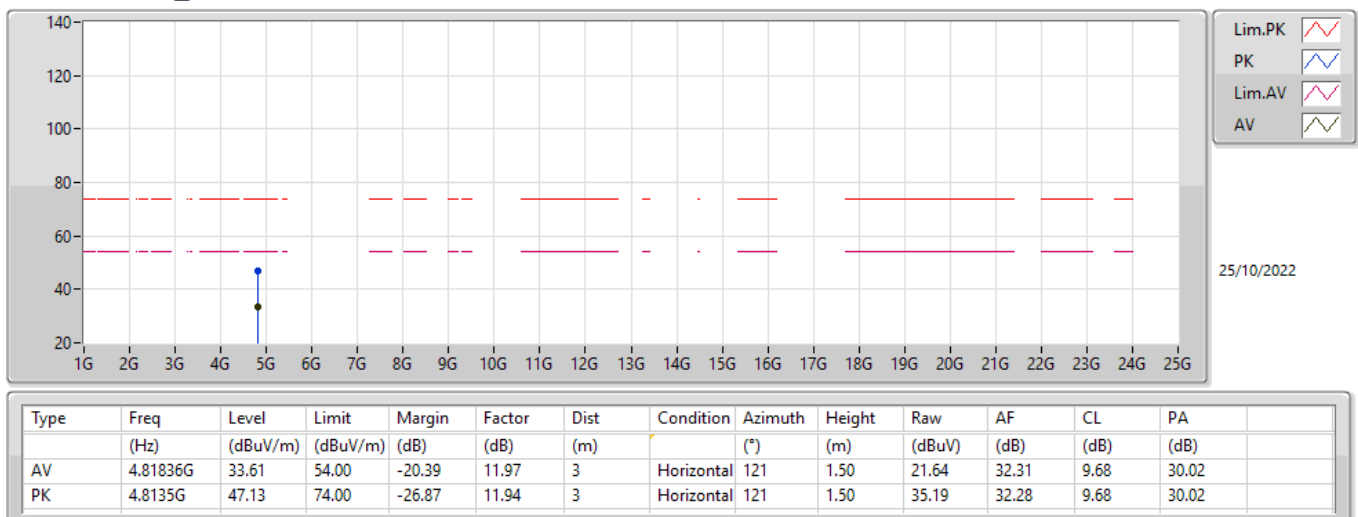


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	50.30	54.00	-3.70	35.80	3	Horizontal	306	1.14	14.50	27.52	8.28	-
AV	2.4142G	99.23	Inf	-Inf	35.93	3	Horizontal	306	1.14	63.30	27.63	8.30	-
PK	2.3896G	61.62	74.00	-12.38	35.80	3	Horizontal	306	1.14	25.82	27.52	8.28	-
PK	2.4136G	112.89	Inf	-Inf	35.93	3	Horizontal	306	1.14	76.96	27.63	8.30	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX 2412MHz_TX

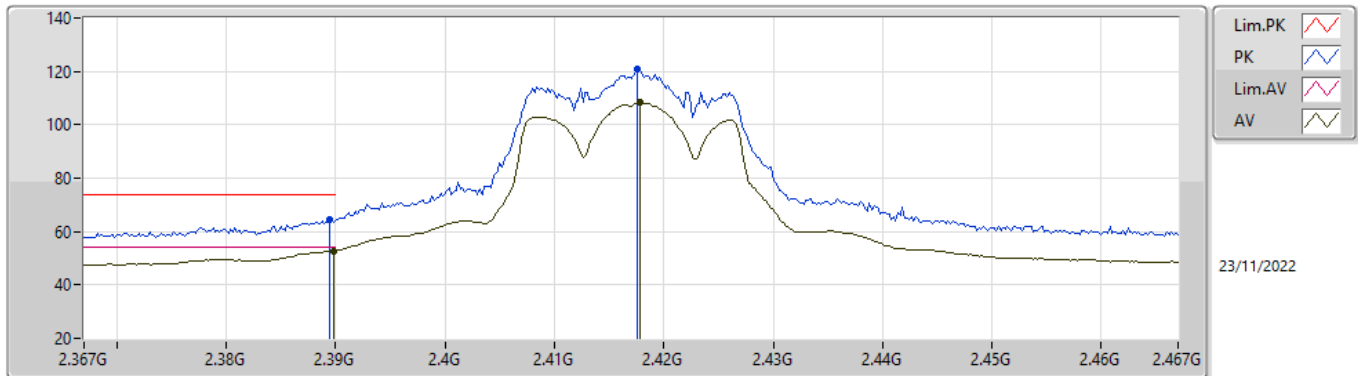


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX 2412MHz_TX



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

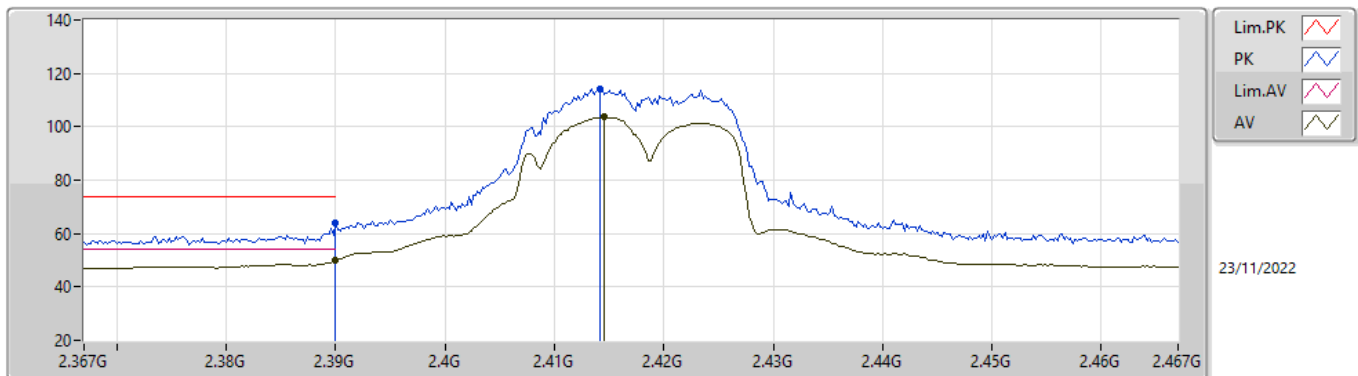
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	52.74	54.00	-1.26	32.02	3	Vertical	59	1.34	20.72	27.54	4.48	-
AV	2.4178G	108.28	Inf	-Inf	32.11	3	Vertical	59	1.34	76.17	27.64	4.47	-
PK	2.3894G	64.36	74.00	-9.64	32.02	3	Vertical	59	1.34	32.34	27.54	4.48	-
PK	2.4176G	120.80	Inf	-Inf	32.11	3	Vertical	59	1.34	88.69	27.64	4.47	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

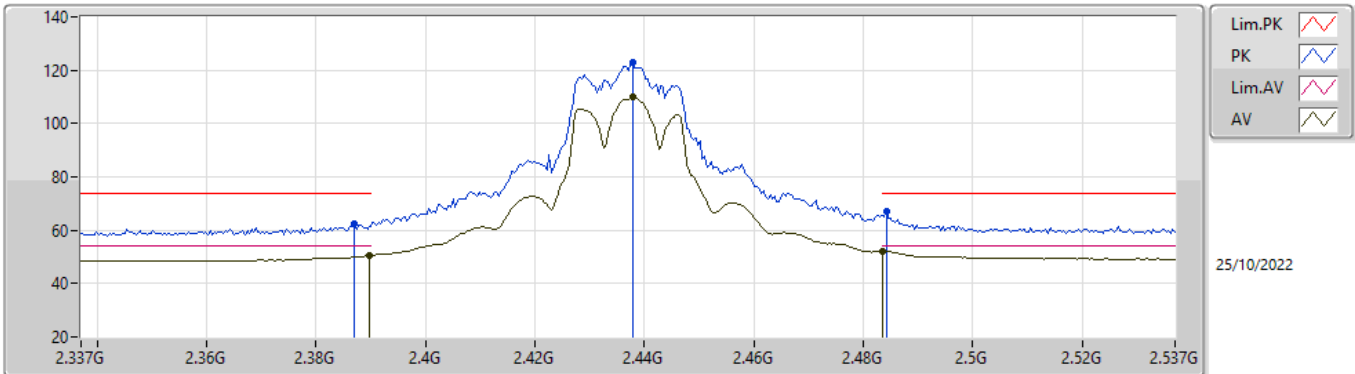
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	49.77	54.00	-4.23	32.02	3	Horizontal	147	2.96	17.75	27.54	4.48	-
AV	2.4146G	103.63	Inf	-Inf	32.10	3	Horizontal	147	2.96	71.53	27.63	4.47	-
PK	2.39G	64.06	74.00	-9.94	32.02	3	Horizontal	147	2.96	32.04	27.54	4.48	-
PK	2.4142G	113.96	Inf	-Inf	32.10	3	Horizontal	147	2.96	81.86	27.63	4.47	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

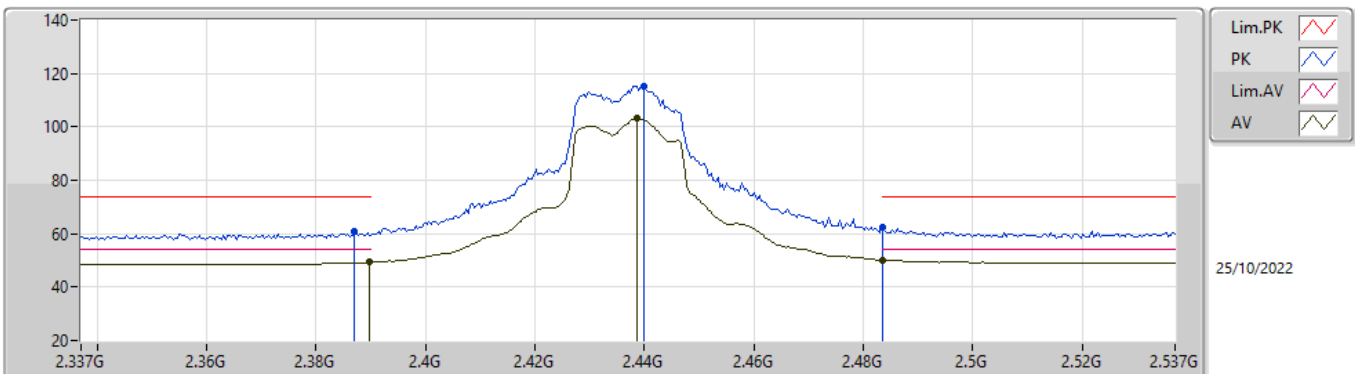
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	50.48	54.00	-3.52	35.80	3	Vertical	68	1.14	14.68	27.52	8.28	-
AV	2.4378G	109.85	Inf	-Inf	35.99	3	Vertical	68	1.14	73.86	27.68	8.31	-
AV	2.4835G	52.22	54.00	-1.78	36.17	3	Vertical	68	1.14	16.05	27.83	8.34	-
PK	2.387G	62.31	74.00	-11.69	35.78	3	Vertical	68	1.14	26.53	27.50	8.28	-
PK	2.4378G	122.92	Inf	-Inf	35.99	3	Vertical	68	1.14	86.93	27.68	8.31	-
PK	2.4842G	67.01	74.00	-6.99	36.18	3	Vertical	68	1.14	30.83	27.84	8.34	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

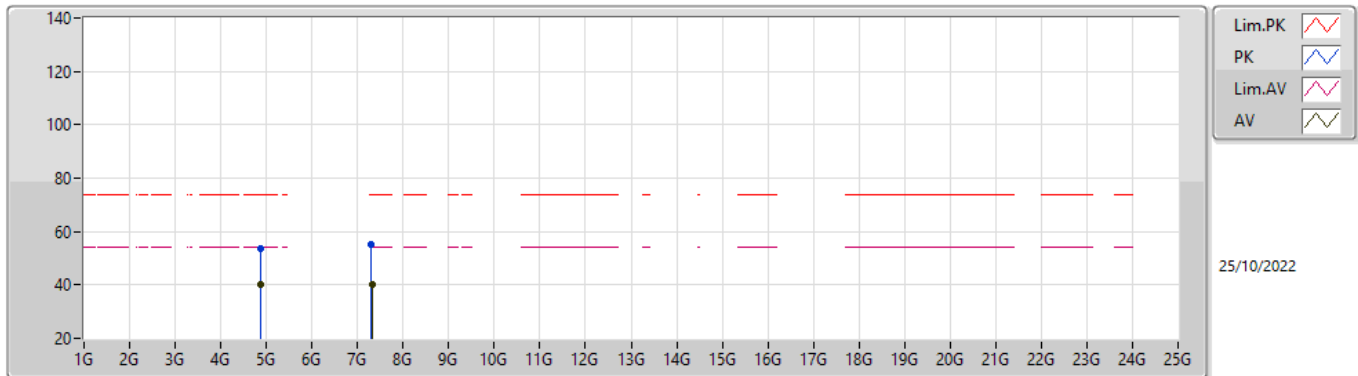
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	49.25	54.00	-4.75	35.80	3	Horizontal	305	1.26	13.45	27.52	8.28	-
AV	2.4386G	103.35	Inf	-Inf	36.00	3	Horizontal	305	1.26	67.35	27.68	8.32	-
AV	2.4835G	50.13	54.00	-3.87	36.17	3	Horizontal	305	1.26	13.96	27.83	8.34	-
PK	2.387G	61.00	74.00	-13.00	35.78	3	Horizontal	305	1.26	25.22	27.50	8.28	-
PK	2.4398G	115.36	Inf	-Inf	36.00	3	Horizontal	305	1.26	79.36	27.68	8.32	-
PK	2.4835G	62.36	74.00	-11.64	36.17	3	Horizontal	305	1.26	26.19	27.83	8.34	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

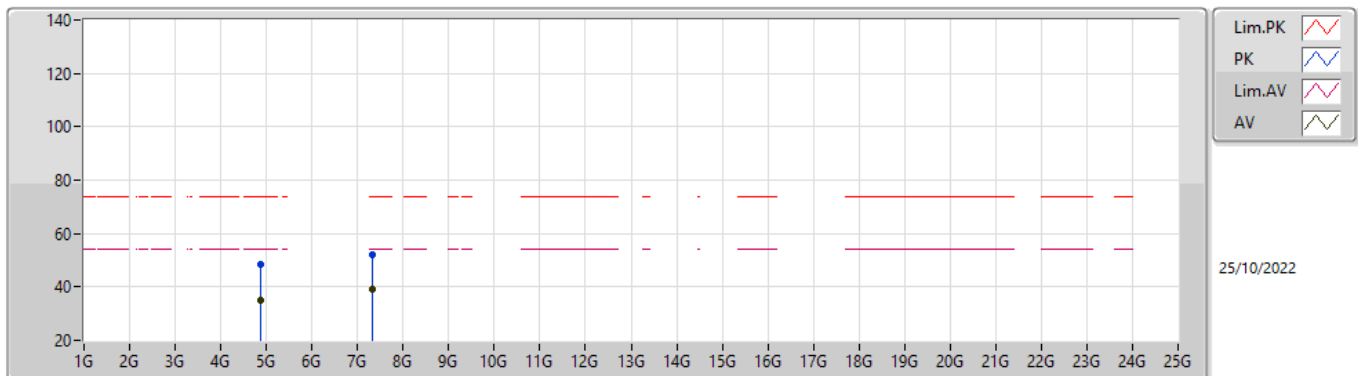
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8761G	40.13	54.00	-13.87	12.30	3	Vertical	160	1.21	27.83	32.60	9.70	30.00
AV	7.3173G	40.37	54.00	-13.63	17.34	3	Vertical	125	2.32	23.03	36.73	11.32	30.71
PK	4.87544G	53.38	74.00	-20.62	12.30	3	Vertical	160	1.21	41.08	32.60	9.70	30.00
PK	7.30758G	55.03	74.00	-18.97	17.38	3	Vertical	125	2.32	37.65	36.77	11.32	30.71

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

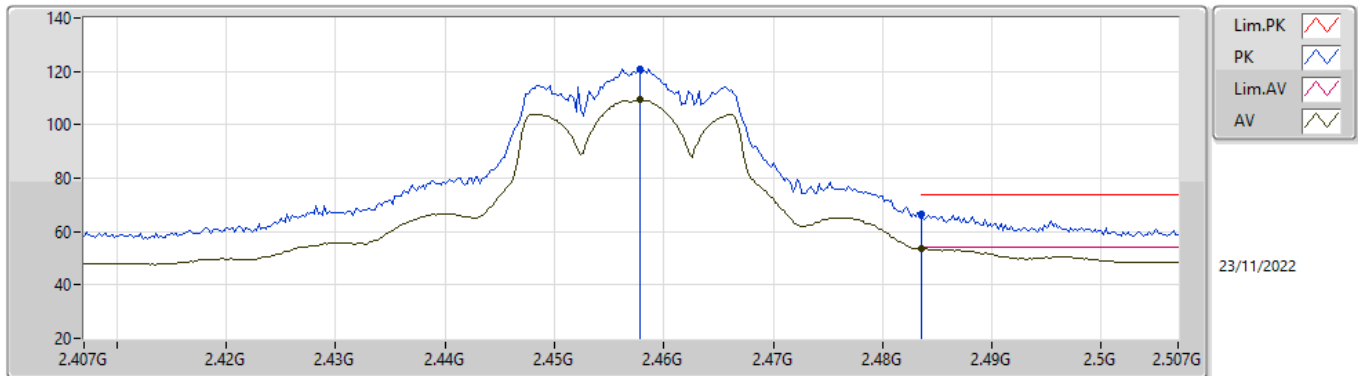
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87598G	35.17	54.00	-18.83	12.30	3	Horizontal	308	2.28	22.87	32.60	9.70	30.00
AV	7.32438G	39.14	54.00	-14.86	17.31	3	Horizontal	63	1.50	21.83	36.70	11.32	30.71
PK	4.87466G	48.49	74.00	-25.51	12.30	3	Horizontal	308	2.28	36.19	32.60	9.70	30.00
PK	7.31094G	52.18	74.00	-21.82	17.37	3	Horizontal	63	1.50	34.81	36.76	11.32	30.71

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

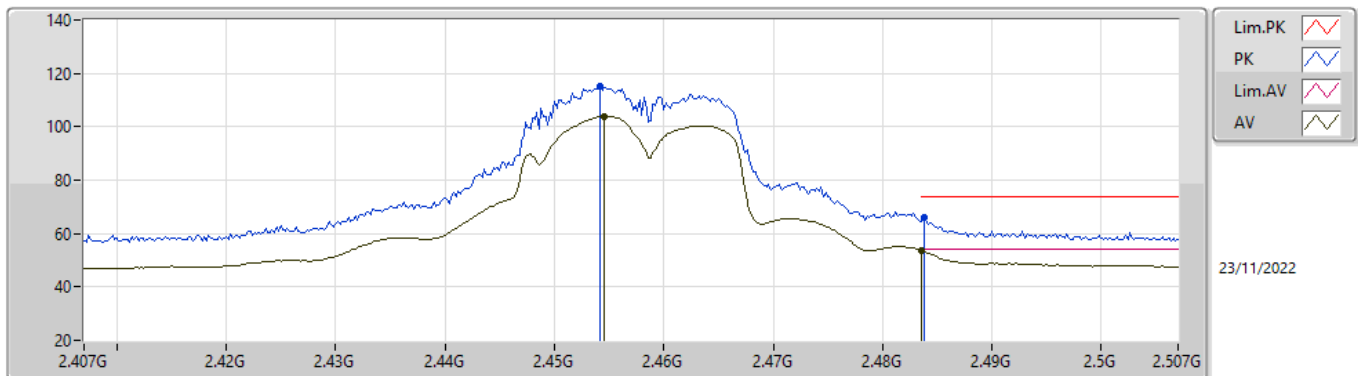
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4578G	109.48	Inf	-Inf	32.23	3	Vertical	59	1.18	77.25	27.75	4.48	-
AV	2.4836G	53.57	54.00	-0.43	32.38	3	Vertical	59	1.18	21.19	27.90	4.48	-
PK	2.4578G	121.09	Inf	-Inf	32.23	3	Vertical	59	1.18	88.86	27.75	4.48	-
PK	2.4836G	66.41	74.00	-7.59	32.38	3	Vertical	59	1.18	34.03	27.90	4.48	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

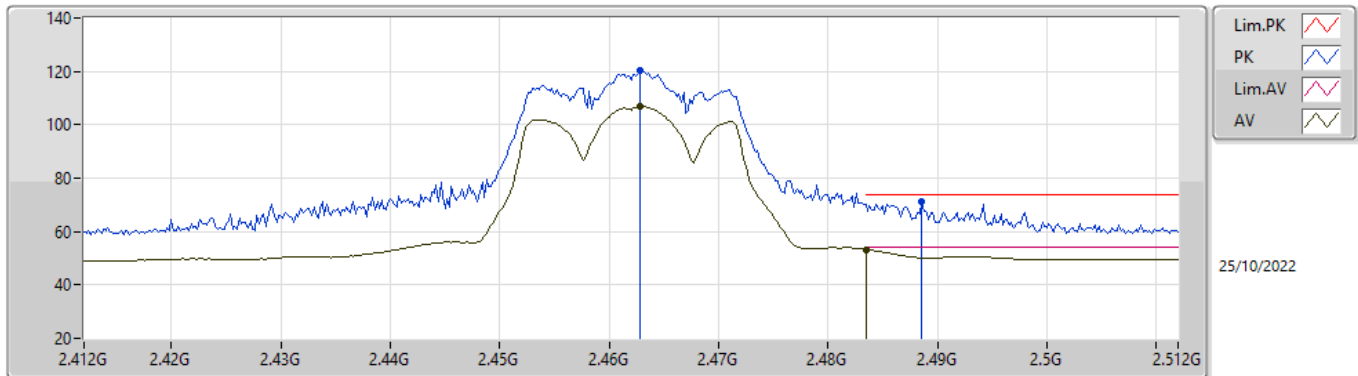
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4546G	103.87	Inf	-Inf	32.21	3	Horizontal	148	2.85	71.66	27.73	4.48	-
AV	2.4835G	53.69	54.00	-0.31	32.38	3	Horizontal	148	2.85	21.31	27.90	4.48	-
PK	2.4542G	115.12	Inf	-Inf	32.21	3	Horizontal	148	2.85	82.91	27.73	4.48	-
PK	2.4838G	66.00	74.00	-8.00	32.38	3	Horizontal	148	2.85	33.62	27.90	4.48	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

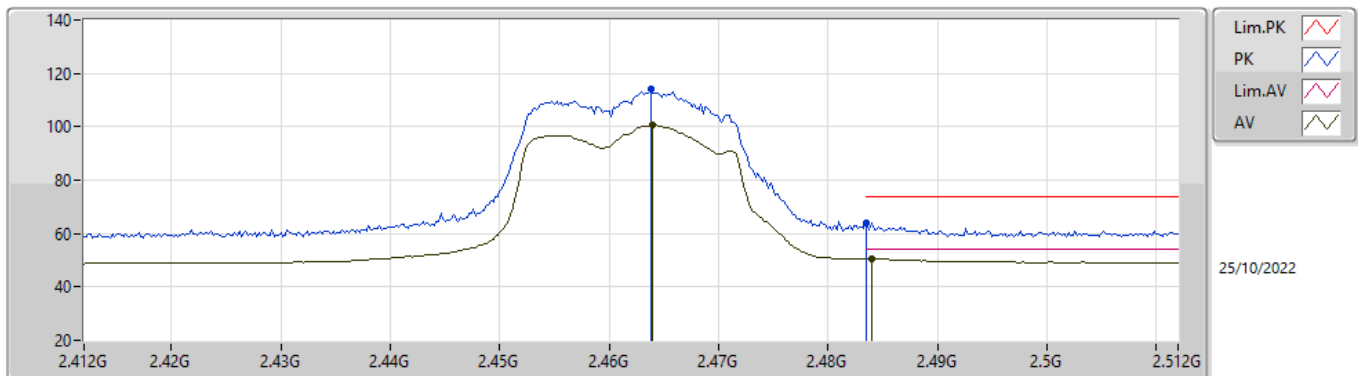
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	106.95	Inf	-Inf	36.08	3	Vertical	68	1.00	70.87	27.75	8.33	-
AV	2.4835G	53.25	54.00	-0.75	36.17	3	Vertical	68	1.00	17.08	27.83	8.34	-
PK	2.4628G	120.10	Inf	-Inf	36.08	3	Vertical	68	1.00	84.02	27.75	8.33	-
PK	2.4886G	71.02	74.00	-2.98	36.20	3	Vertical	68	1.00	34.82	27.85	8.35	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

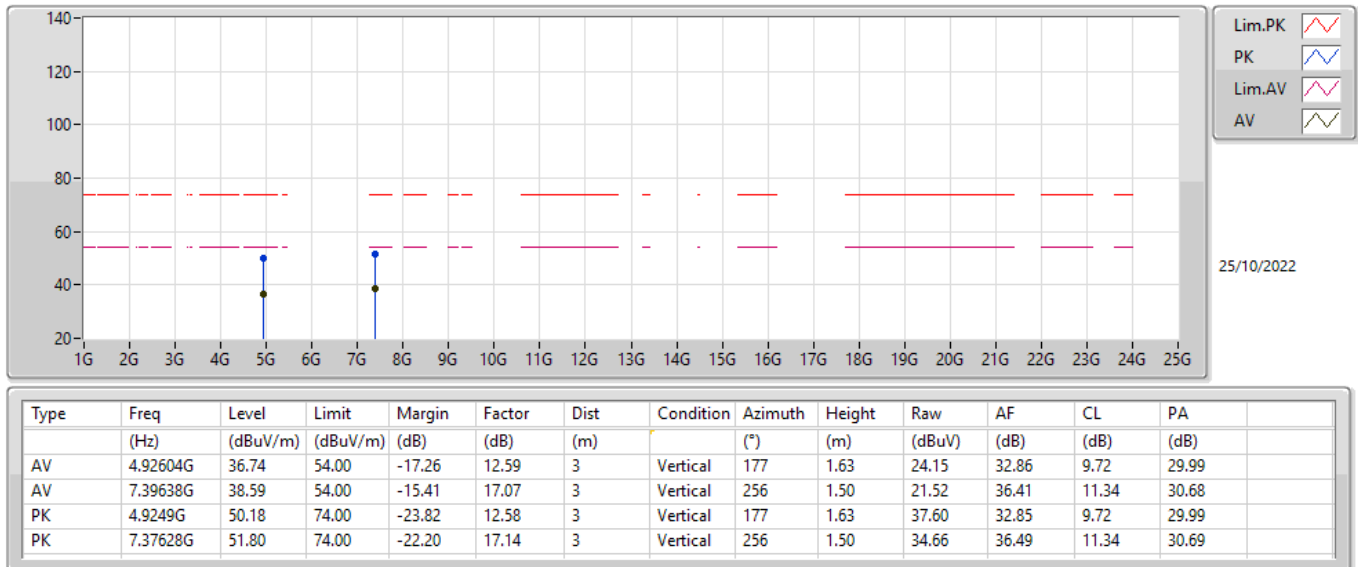
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.464G	100.55	Inf	-Inf	36.09	3	Horizontal	302	1.00	64.46	27.76	8.33	-
AV	2.484G	50.51	54.00	-3.49	36.18	3	Horizontal	302	1.00	14.33	27.84	8.34	-
PK	2.4638G	114.09	Inf	-Inf	36.09	3	Horizontal	302	1.00	78.00	27.76	8.33	-
PK	2.4835G	64.05	74.00	-9.95	36.17	3	Horizontal	302	1.00	27.88	27.83	8.34	-

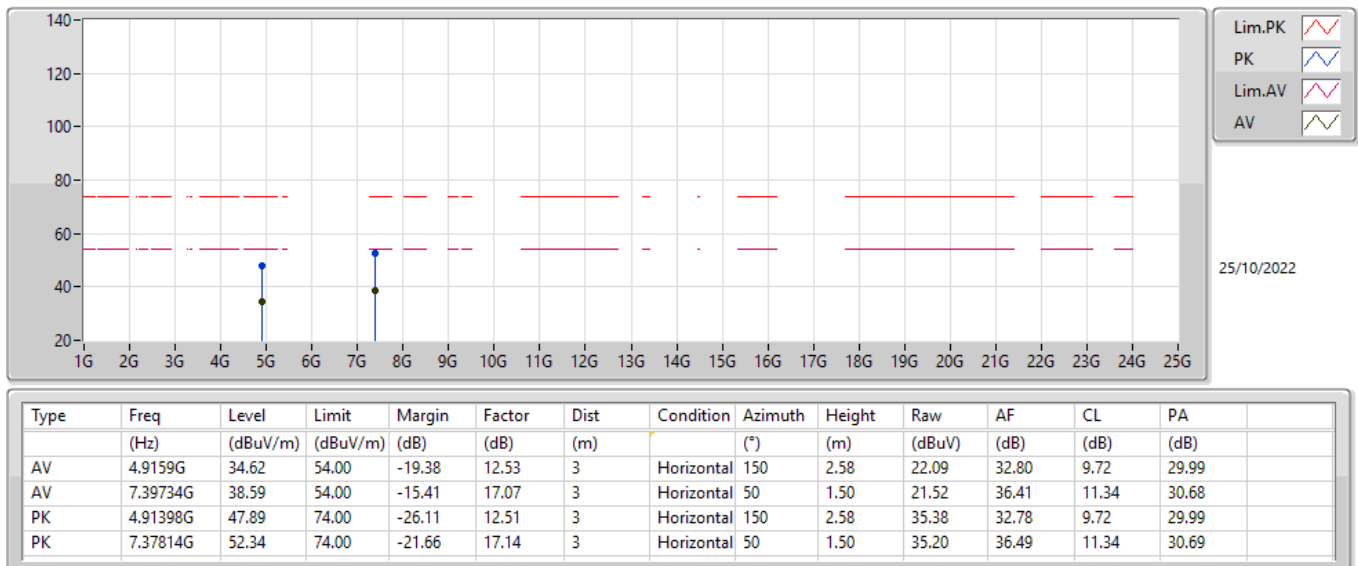
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX



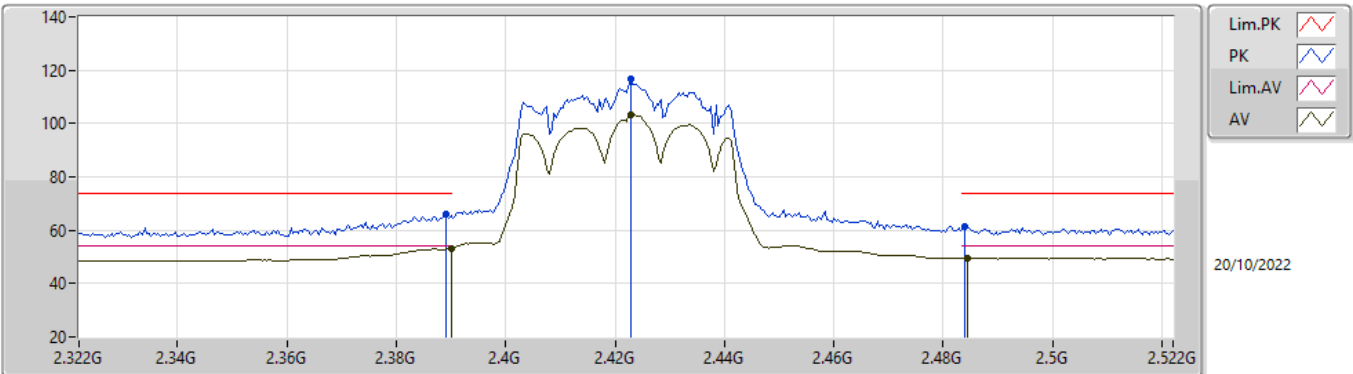
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX



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

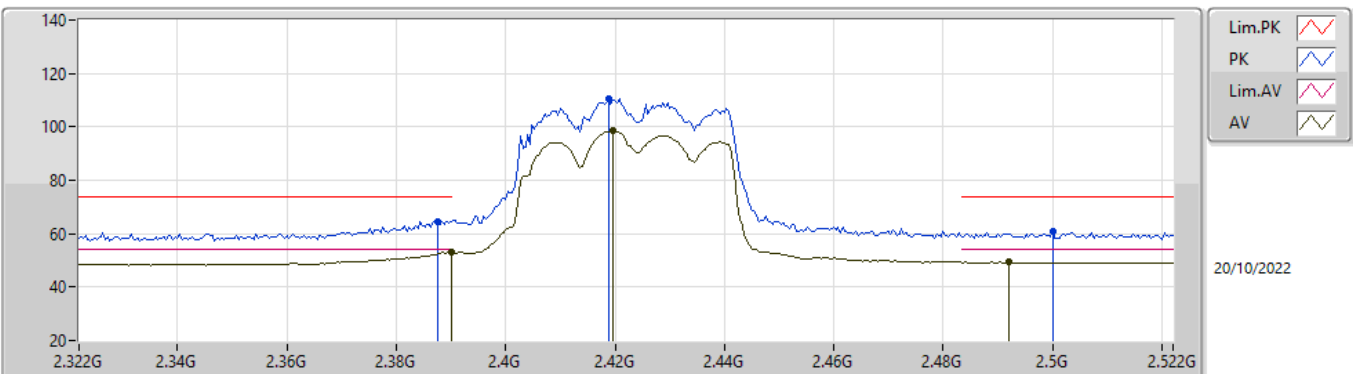
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.28	54.00	-0.72	35.80	3	Vertical	70	1.21	17.48	27.52	8.28	-
AV	2.4228G	103.09	Inf	-Inf	35.95	3	Vertical	70	1.21	67.14	27.65	8.30	-
AV	2.4844G	49.70	54.00	-4.30	36.18	3	Vertical	70	1.21	13.52	27.84	8.34	-
PK	2.3892G	66.10	74.00	-7.90	35.79	3	Vertical	70	1.21	30.31	27.51	8.28	-
PK	2.4228G	116.52	Inf	-Inf	35.95	3	Vertical	70	1.21	80.57	27.65	8.30	-
PK	2.484G	61.38	74.00	-12.62	36.18	3	Vertical	70	1.21	25.20	27.84	8.34	-

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

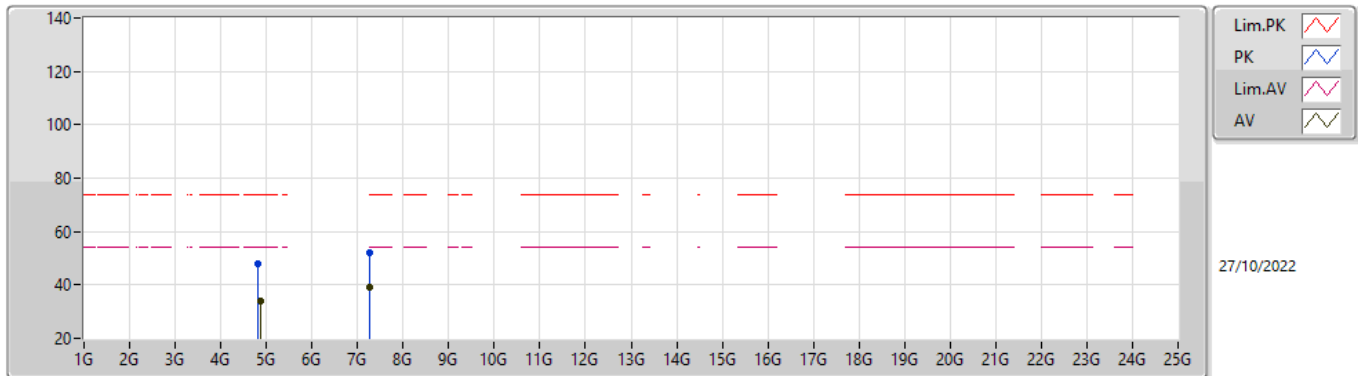
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.94	54.00	-1.06	35.80	3	Horizontal	144	2.70	17.14	27.52	8.28	-
AV	2.4196G	98.39	Inf	-Inf	35.94	3	Horizontal	144	2.70	62.45	27.64	8.30	-
AV	2.492G	49.27	54.00	-4.73	36.22	3	Horizontal	144	2.70	13.05	27.87	8.35	-
PK	2.3876G	64.58	74.00	-9.42	35.78	3	Horizontal	144	2.70	28.80	27.50	8.28	-
PK	2.4188G	110.50	Inf	-Inf	35.94	3	Horizontal	144	2.70	74.56	27.64	8.30	-
PK	2.5G	60.73	74.00	-13.27	36.26	3	Horizontal	144	2.70	24.47	27.90	8.36	-

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

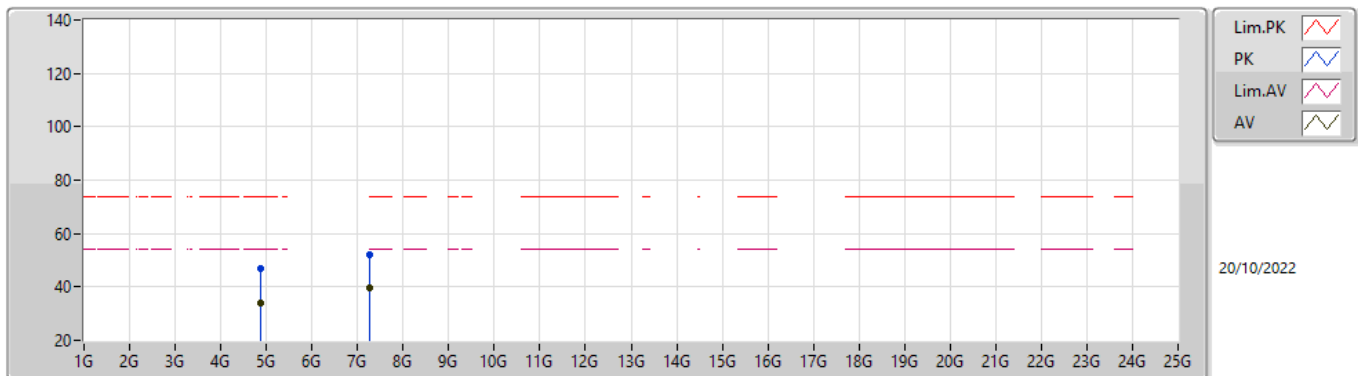
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8644G	33.92	54.00	-20.08	12.25	3	Vertical	17	1.50	21.67	32.56	9.70	30.01
AV	7.25136G	39.39	54.00	-14.61	17.57	3	Vertical	243	1.50	21.82	36.99	11.31	30.73
PK	4.82288G	48.08	74.00	-25.92	12.00	3	Vertical	17	1.50	36.08	32.34	9.68	30.02
PK	7.26696G	51.92	74.00	-22.08	17.52	3	Vertical	243	1.50	34.40	36.93	11.31	30.72

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

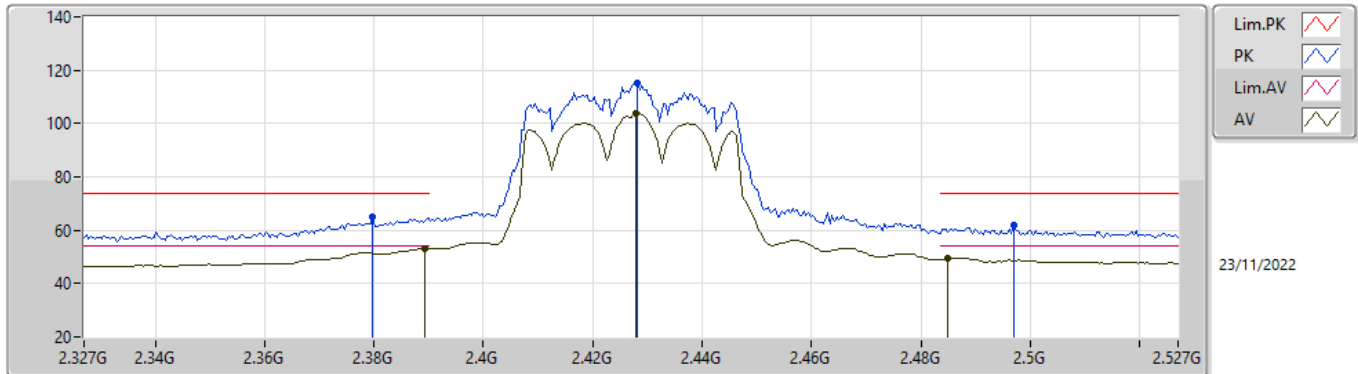
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.86404G	34.00	54.00	-20.00	12.25	3	Horizontal	279	1.12	21.75	32.56	9.70	30.01
AV	7.25424G	39.40	54.00	-14.60	17.56	3	Horizontal	35	1.50	21.84	36.98	11.31	30.73
PK	4.86872G	47.01	74.00	-26.99	12.27	3	Horizontal	279	1.12	34.74	32.57	9.70	30.00
PK	7.2732G	52.14	74.00	-21.86	17.50	3	Horizontal	35	1.50	34.64	36.91	11.31	30.72

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

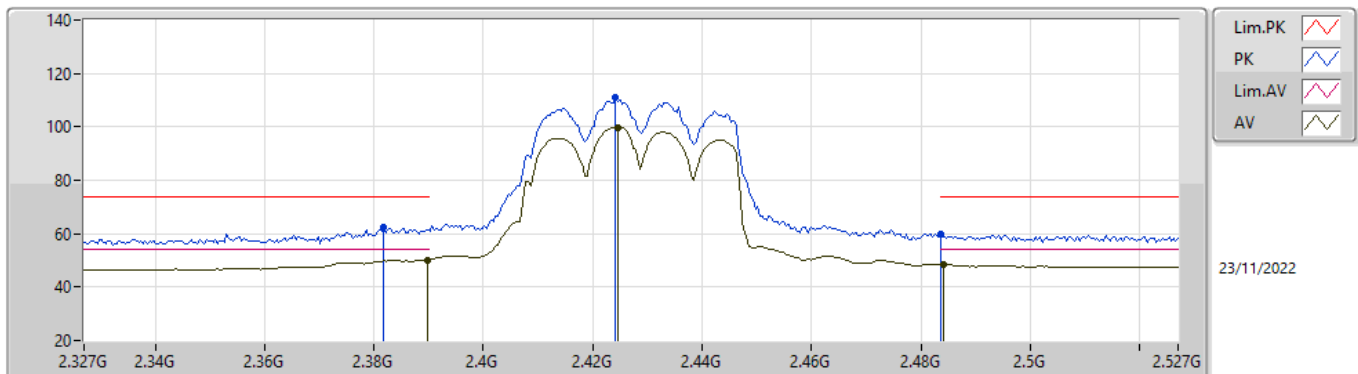
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	53.11	54.00	-0.89	32.02	3	Vertical	58	1.38	21.09	27.54	4.48	-
AV	2.4278G	104.05	Inf	-Inf	32.13	3	Vertical	58	1.38	71.92	27.66	4.47	-
AV	2.485G	49.67	54.00	-4.33	32.39	3	Vertical	58	1.38	17.28	27.91	4.48	-
PK	2.3798G	65.16	74.00	-8.84	31.96	3	Vertical	58	1.38	33.20	27.48	4.48	-
PK	2.4282G	115.32	Inf	-Inf	32.13	3	Vertical	58	1.38	83.19	27.66	4.47	-
PK	2.497G	61.64	74.00	-12.36	32.46	3	Vertical	58	1.38	29.18	27.98	4.48	-

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

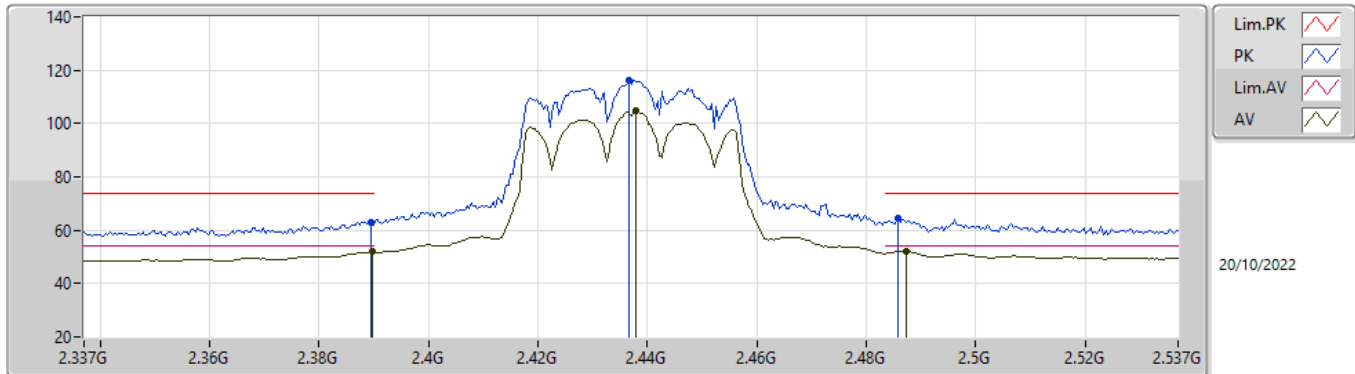
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	50.12	54.00	-3.88	32.02	3	Horizontal	141	3.00	18.10	27.54	4.48	-
AV	2.4246G	99.91	Inf	-Inf	32.12	3	Horizontal	141	3.00	67.79	27.65	4.47	-
AV	2.4842G	48.62	54.00	-5.38	32.39	3	Horizontal	141	3.00	16.23	27.91	4.48	-
PK	2.3818G	62.34	74.00	-11.66	31.97	3	Horizontal	141	3.00	30.37	27.49	4.48	-
PK	2.4242G	110.90	Inf	-Inf	32.12	3	Horizontal	141	3.00	78.78	27.65	4.47	-
PK	2.4835G	59.74	74.00	-14.26	32.38	3	Horizontal	141	3.00	27.36	27.90	4.48	-

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

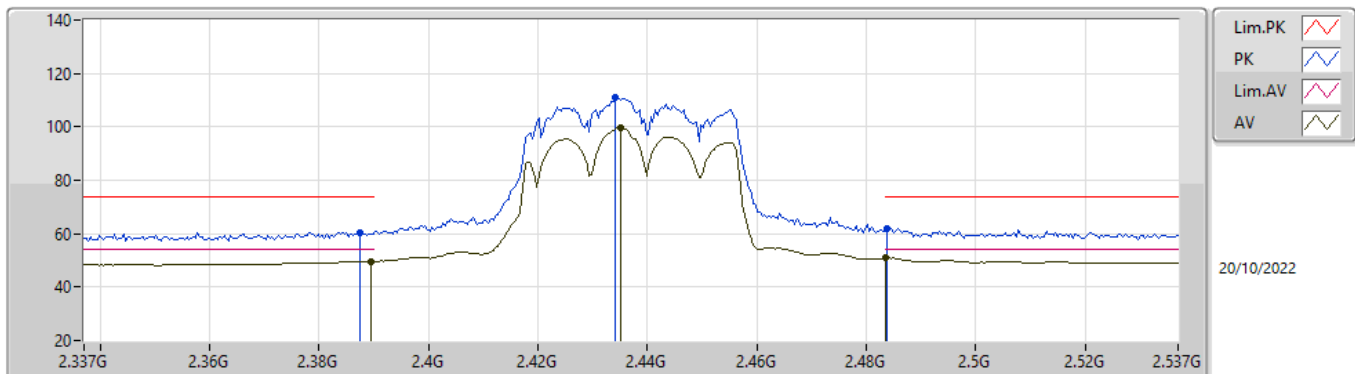
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	51.89	54.00	-2.11	35.80	3	Vertical	68	2.76	16.09	27.52	8.28	-
AV	2.4378G	104.95	Inf	-Inf	35.99	3	Vertical	68	2.76	68.96	27.68	8.31	-
AV	2.4874G	52.20	54.00	-1.80	36.20	3	Vertical	68	2.76	16.00	27.85	8.35	-
PK	2.3894G	63.16	74.00	-10.84	35.80	3	Vertical	68	2.76	27.36	27.52	8.28	-
PK	2.4366G	116.45	Inf	-Inf	35.98	3	Vertical	68	2.76	80.47	27.67	8.31	-
PK	2.4858G	64.29	74.00	-9.71	36.19	3	Vertical	68	2.76	28.10	27.84	8.35	-

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

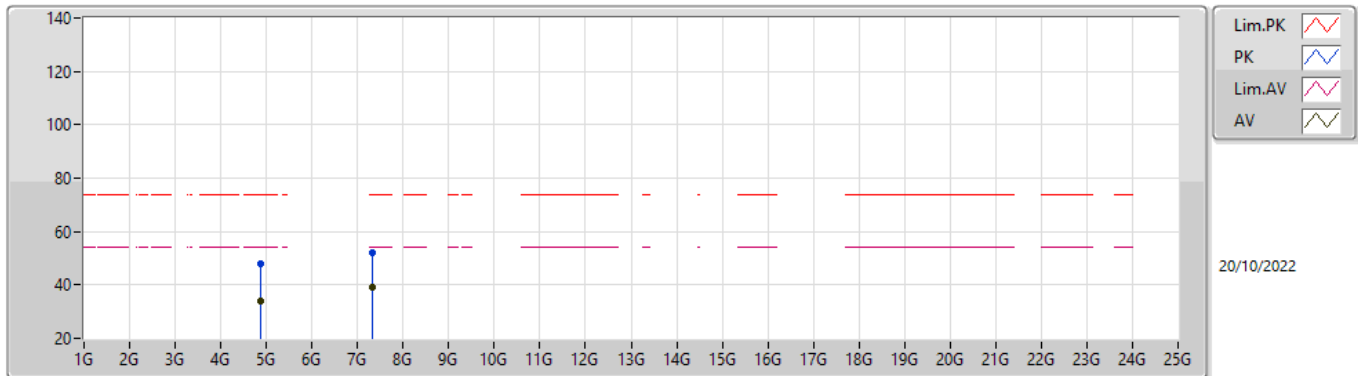
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	49.50	54.00	-4.50	35.80	3	Horizontal	152	1.50	13.70	27.52	8.28	-
AV	2.435G	99.49	Inf	-Inf	35.98	3	Horizontal	152	1.50	63.51	27.67	8.31	-
AV	2.4835G	50.85	54.00	-3.15	36.17	3	Horizontal	152	1.50	14.68	27.83	8.34	-
PK	2.3874G	60.32	74.00	-13.68	35.78	3	Horizontal	152	1.50	24.54	27.50	8.28	-
PK	2.4342G	110.86	Inf	-Inf	35.98	3	Horizontal	152	1.50	74.88	27.67	8.31	-
PK	2.4838G	61.98	74.00	-12.02	36.18	3	Horizontal	152	1.50	25.80	27.84	8.34	-

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

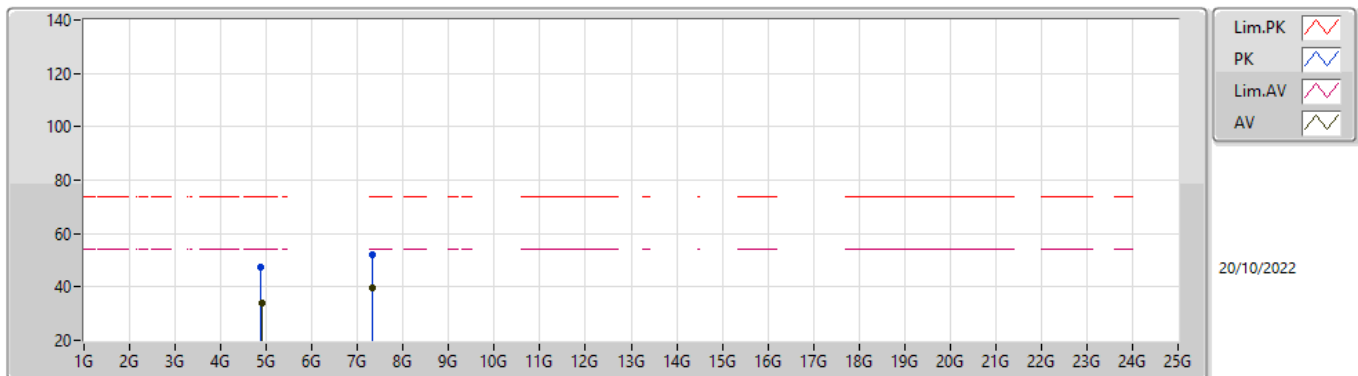
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.86392G	34.17	54.00	-19.83	12.25	3	Vertical	131	1.22	21.92	32.56	9.70	30.01
AV	7.32696G	39.23	54.00	-14.77	17.31	3	Vertical	321	1.05	21.92	36.69	11.33	30.71
PK	4.86032G	48.18	74.00	-25.82	12.22	3	Vertical	131	1.22	35.96	32.54	9.69	30.01
PK	7.32312G	52.13	74.00	-21.87	17.32	3	Vertical	321	1.05	34.81	36.71	11.32	30.71

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

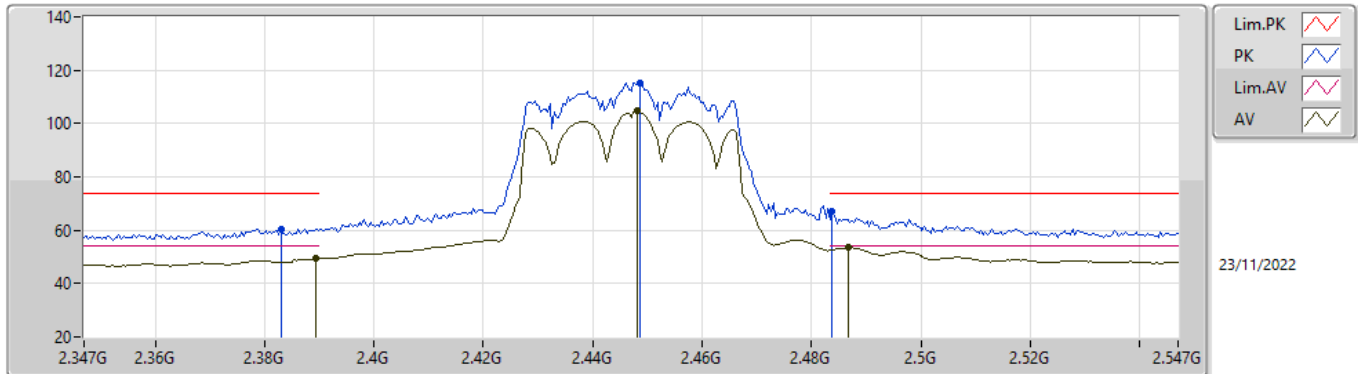
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.89704G	34.21	54.00	-19.79	12.40	3	Horizontal	48	1.50	21.81	32.69	9.71	30.00
AV	7.32492G	39.42	54.00	-14.58	17.31	3	Horizontal	360	1.50	22.11	36.70	11.32	30.71
PK	4.8722G	47.44	74.00	-26.56	12.29	3	Horizontal	48	1.50	35.15	32.59	9.70	30.00
PK	7.31436G	51.99	74.00	-22.01	17.35	3	Horizontal	360	1.50	34.64	36.74	11.32	30.71

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

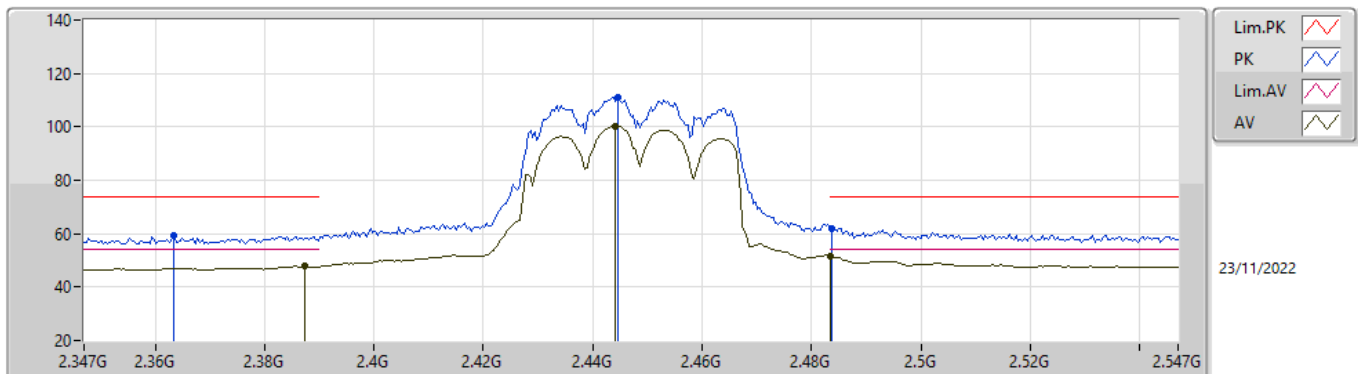
2447MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	49.41	54.00	-4.59	32.02	3	Vertical	60	1.29	17.39	27.54	4.48	-
AV	2.4482G	104.62	Inf	-Inf	32.18	3	Vertical	60	1.29	72.44	27.70	4.48	-
AV	2.4866G	53.45	54.00	-0.55	32.40	3	Vertical	60	1.29	21.05	27.92	4.48	-
PK	2.383G	60.57	74.00	-13.43	31.98	3	Vertical	60	1.29	28.59	27.50	4.48	-
PK	2.4486G	115.37	Inf	-Inf	32.18	3	Vertical	60	1.29	83.19	27.70	4.48	-
PK	2.4838G	66.91	74.00	-7.09	32.38	3	Vertical	60	1.29	34.53	27.90	4.48	-

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

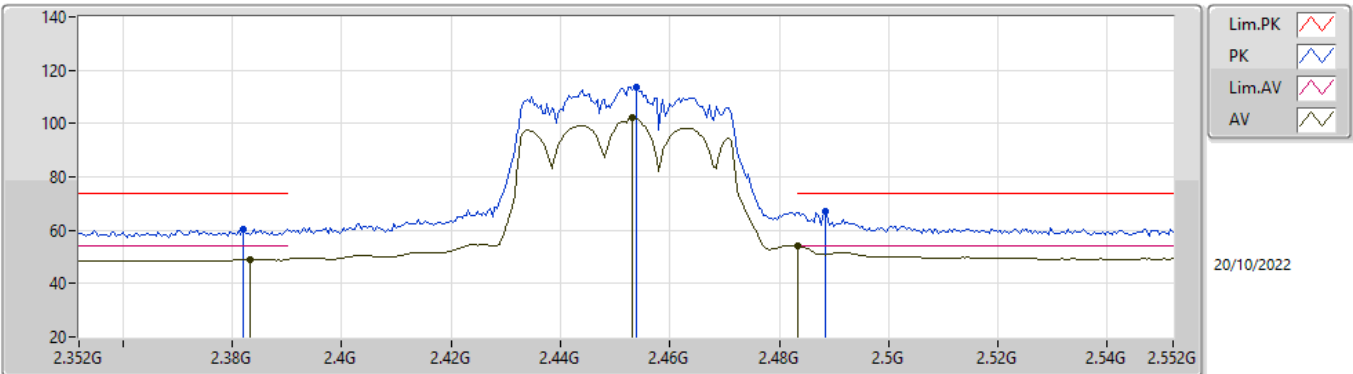
2447MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3874G	47.75	54.00	-6.25	32.00	3	Horizontal	144	2.83	15.75	27.52	4.48	-
AV	2.4442G	100.23	Inf	-Inf	32.17	3	Horizontal	144	2.83	68.06	27.69	4.48	-
AV	2.4835G	51.60	54.00	-2.40	32.38	3	Horizontal	144	2.83	19.22	27.90	4.48	-
PK	2.3634G	59.42	74.00	-14.58	31.87	3	Horizontal	144	2.83	27.55	27.38	4.49	-
PK	2.4446G	111.22	Inf	-Inf	32.17	3	Horizontal	144	2.83	79.05	27.69	4.48	-
PK	2.4838G	62.14	74.00	-11.86	32.38	3	Horizontal	144	2.83	29.76	27.90	4.48	-

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

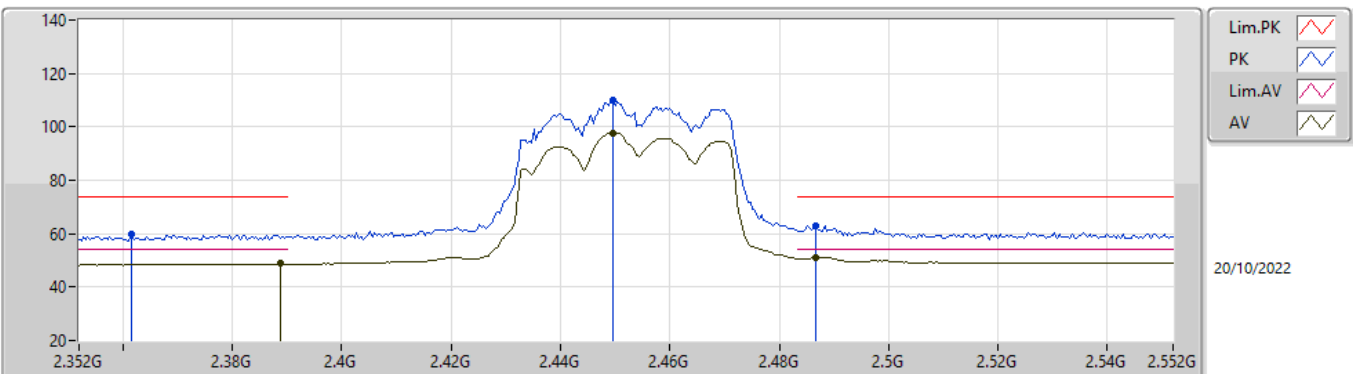
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
PK	2.382G	60.47	74.00	-13.53	35.74	3	Vertical	71	1.12	24.73	27.46	8.28	-
AV	2.3832G	49.07	54.00	-4.93	35.75	3	Vertical	71	1.12	13.32	27.47	8.28	-
PK	2.454G	113.50	Inf	-Inf	36.05	3	Vertical	71	1.12	77.45	27.72	8.33	-
AV	2.4532G	102.15	Inf	-Inf	36.03	3	Vertical	71	1.12	66.12	27.71	8.32	-
PK	2.4884G	66.92	74.00	-7.08	36.20	3	Vertical	71	1.12	30.72	27.85	8.35	-
AV	2.4835G	53.90	54.00	-0.10	36.17	3	Vertical	71	1.12	17.73	27.83	8.34	-

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

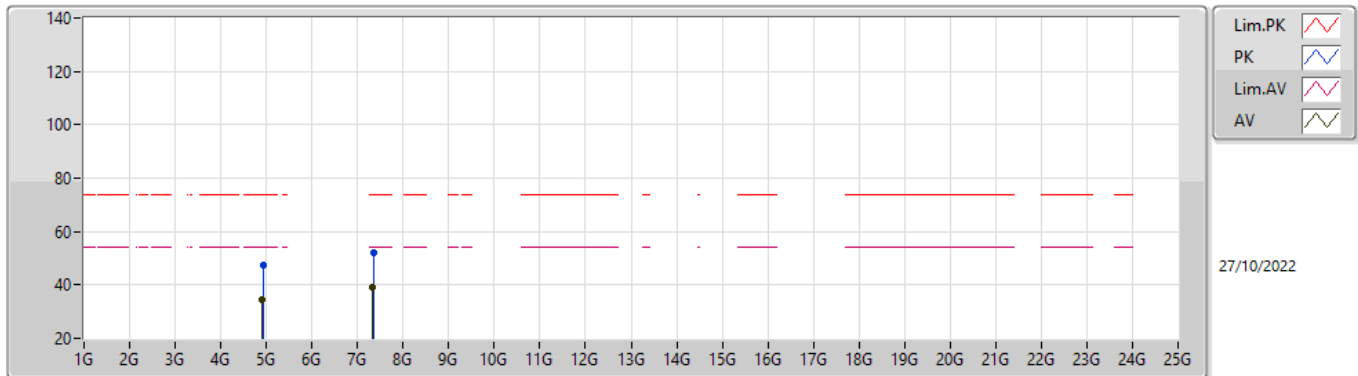
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
PK	2.3616G	59.58	74.00	-14.42	35.55	3	Horizontal	144	2.90	24.03	27.29	8.26	-
AV	2.3888G	48.72	54.00	-5.28	35.79	3	Horizontal	144	2.90	12.93	27.51	8.28	-
PK	2.4496G	110.05	Inf	-Inf	36.02	3	Horizontal	144	2.90	74.03	27.70	8.32	-
AV	2.4496G	97.77	Inf	-Inf	36.02	3	Horizontal	144	2.90	61.75	27.70	8.32	-
PK	2.4868G	63.00	74.00	-11.00	36.20	3	Horizontal	144	2.90	26.80	27.85	8.35	-
AV	2.4868G	50.99	54.00	-3.01	36.20	3	Horizontal	144	2.90	14.79	27.85	8.35	-

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

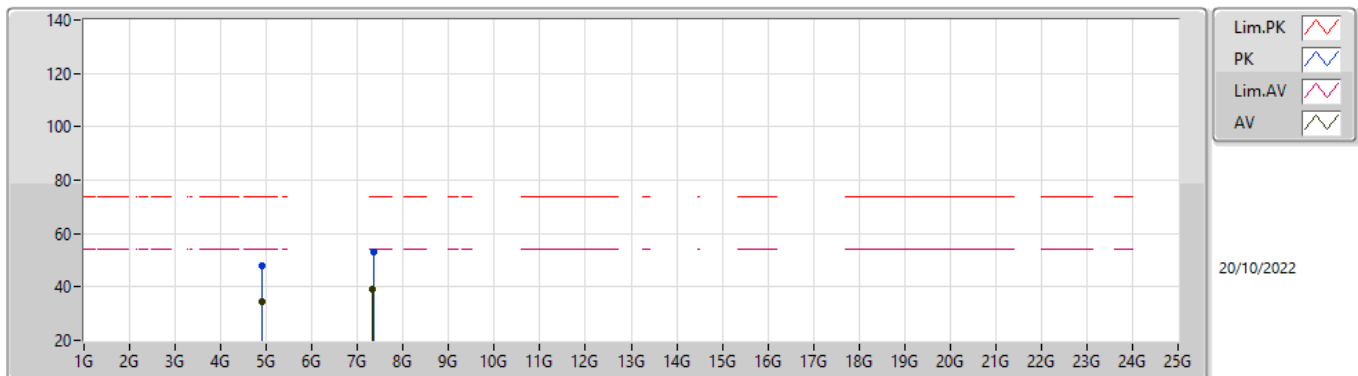
2452MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)	
AV	4.898G	34.31	54.00	-19.69	12.41	3	Vertical	119	1.35	21.90	32.69	9.71	29.99	
AV	7.32624G	39.27	54.00	-14.73	17.32	3	Vertical	7	1.50	21.95	36.70	11.33	30.71	
PK	4.9232G	47.45	74.00	-26.55	12.57	3	Vertical	119	1.35	34.88	32.84	9.72	29.99	
PK	7.34712G	52.13	74.00	-21.87	17.24	3	Vertical	7	1.50	34.89	36.61	11.33	30.70	

2.4-2.4835GHz_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)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)	
AV	4.89368G	34.23	54.00	-19.77	12.38	3	Horizontal	295	1.50	21.85	32.67	9.71	30.00	
AV	7.32984G	39.37	54.00	-14.63	17.31	3	Horizontal	35	1.50	22.06	36.68	11.33	30.70	
PK	4.91828G	47.87	74.00	-26.13	12.54	3	Horizontal	295	1.50	35.33	32.81	9.72	29.99	
PK	7.35384G	53.14	74.00	-20.86	17.21	3	Horizontal	35	1.50	35.93	36.58	11.33	30.70	



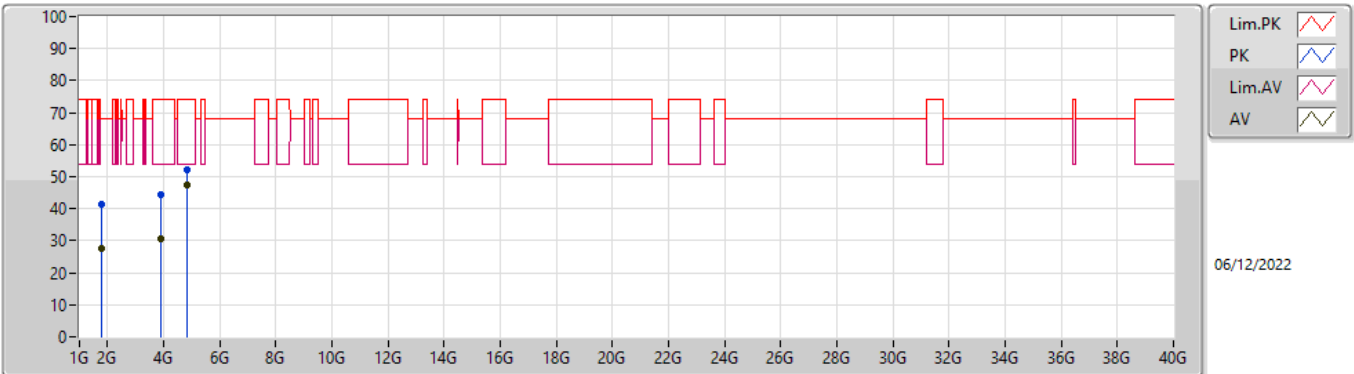
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1.	Pass	AV	4.82395G	47.21	54.00	-6.79	Vertical

Result

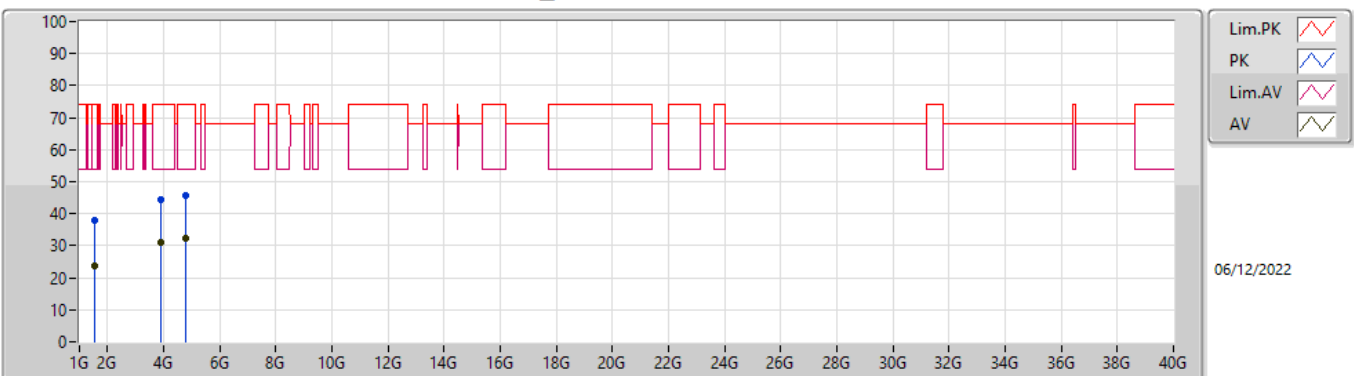
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1.	Pass	AV	1.7692G	27.79	68.20	-40.41	3	Vertical	344	2.48	-
Mode 1.	Pass	AV	3.92272G	30.68	54.00	-23.32	3	Vertical	341	1.83	-
Mode 1.	Pass	AV	4.82395G	47.21	54.00	-6.79	3	Vertical	58	2.62	-
Mode 1.	Pass	PK	1.76753G	41.33	68.20	-26.87	3	Vertical	344	2.48	-
Mode 1.	Pass	PK	3.92G	44.53	74.00	-29.47	3	Vertical	341	1.83	-
Mode 1.	Pass	PK	4.82413G	52.15	74.00	-21.85	3	Vertical	58	2.62	-
Mode 1.	Pass	AV	1.53467G	23.84	54.00	-30.16	3	Horizontal	326	1.60	-
Mode 1.	Pass	AV	3.92256G	30.98	54.00	-23.02	3	Horizontal	11	1.98	-
Mode 1.	Pass	AV	4.7908G	32.31	54.00	-21.69	3	Horizontal	91	2.37	-
Mode 1.	Pass	PK	1.53277G	38.00	74.00	-36.00	3	Horizontal	326	1.60	-
Mode 1.	Pass	PK	3.91605G	44.36	74.00	-29.64	3	Horizontal	11	1.98	-
Mode 1.	Pass	PK	4.79148G	45.60	74.00	-28.40	3	Horizontal	91	2.37	-

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.7692G	27.79	68.20	-40.41	-1.64	3	Vertical	344	2.48	-	29.43	25.08	7.44	34.16
AV	3.92272G	30.68	54.00	-23.32	5.84	3	Vertical	341	1.83	-	24.84	30.95	9.20	34.31
AV	4.82395G	47.21	54.00	-6.79	7.84	3	Vertical	58	2.62	-	39.37	32.34	9.68	34.18
PK	1.76753G	41.33	68.20	-26.87	-1.65	3	Vertical	344	2.48	-	42.98	25.07	7.44	34.16
PK	3.92G	44.53	74.00	-29.47	5.83	3	Vertical	341	1.83	-	38.70	30.94	9.20	34.31
PK	4.82413G	52.15	74.00	-21.85	7.84	3	Vertical	58	2.62	-	44.31	32.34	9.68	34.18

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.53467G	23.84	54.00	-30.16	-1.65	3	Horizontal	326	1.60	-	25.49	25.64	6.90	34.19
AV	3.92256G	30.98	54.00	-23.02	5.84	3	Horizontal	11	1.98	-	25.14	30.95	9.20	34.31
AV	4.7908G	32.31	54.00	-21.69	7.64	3	Horizontal	91	2.37	-	24.67	32.18	9.66	34.20
PK	1.53277G	38.00	74.00	-36.00	-1.67	3	Horizontal	326	1.60	-	39.67	25.63	6.89	34.19
PK	3.91605G	44.36	74.00	-29.64	5.82	3	Horizontal	11	1.98	-	38.54	30.93	9.20	34.31
PK	4.79148G	45.60	74.00	-28.40	7.64	3	Horizontal	91	2.37	-	37.96	32.18	9.66	34.20