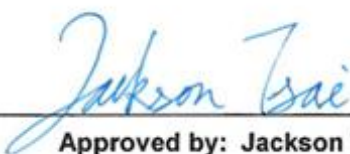


FCC Radio Test Report

FCC ID : UXX-S5A237A
Equipment : R2105 5G Ruggedized Router
Brand Name : Cradlepoint
Model Name : S5A237A
Applicant : Cradlepoint, Inc.
1111 West Jefferson Street ,Boise ,Idaho,United States 83702
Manufacturer : Cradlepoint, Inc.
1111 West Jefferson Street ,Boise ,Idaho,United States 83702
Standard : 47 CFR FCC Part 15.247

The product was received on May 13, 2022, and testing was started from Jun. 02, 2022 and completed on Jul. 26, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



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History of this test report

Report No.	Version	Description	Issued Date
FR250405-01AC	01	Initial issue of report	Nov. 14, 2022

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
-	15.207	AC Power-line Conducted Emissions	PASS	Only employ battery power.
3.1	15.247(a)	DTS Bandwidth	PASS	-
3.2	15.247(b)	Maximum Conducted Output Power	PASS	-
3.3	15.247(e)	Power Spectral Density	PASS	-
3.4	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.5	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: Ryan Hsiao

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

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

Non-Beamforming

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

Beamforming

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

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
0	WNC	XEAK-CP1	PIFA antenna	I-PEX
1	WNC	XEAK-CP1	PIFA antenna	I-PEX

Ant.	Port	Gain (dBi)			
		2.4G	5G		
			U-NII-2A	U-NII-2C	U-NII-3
0	1	2.2	3.4	5.0	3.3
1	2	4.3	5.0	4.9	5.4

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

Ant. 0 (port 1) and Ant. 1(port 2) could transmit/receive simultaneously.

For 5GHz function:

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

Ant. 0 (port 1) and Ant. 1(port 2) could transmit/receive simultaneously.

1.1.3 EUT Information

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

**1.1.4 Mode Test Duty Cycle****Non-Beamforming**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq \frac{1}{T}$
802.11b_Nss1,(1Mbps)_2TX	0.617	2.1	665.625u	3k
802.11g_Nss1,(6Mbps)_2TX	0.965	0.15	1.978m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.955	0.2	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.958	0.19	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) $\geq \frac{1}{T}$
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.955	0.2	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.958	0.19	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
RF Conducted	TH01-HY	Johnny Yu	22.3~26.1℃ / 53~59%	06/Jun/2022~26/Jul/2022
Radiated	03CH02-HY	Jack Tang	21.3~21.8℃ / 57~59%	02/Jun/2022~13/Jul/2022
Radiated (Co-location)	03CH03-HY	Edward Wang	21.9~22.4℃ / 59~61%	21/Jul/2022
☐ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	qdart_conn.win.1.0_installer_00079.1
-----------------------	--------------------------------------

Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	21
2417MHz	22
2437MHz	22.5
2457MHz	21
2462MHz	20.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	18
2417MHz	21
2437MHz	23
2457MHz	19.5
2462MHz	19.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	20.5
2437MHz	22.5
2457MHz	19
2462MHz	18
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	14
2427MHz	15.5
2437MHz	17.5
2447MHz	16.5
2452MHz	14

**Beamforming**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	20.5
2437MHz	22.5
2457MHz	19
2462MHz	18.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	14
2427MHz	15.5
2437MHz	17.5
2447MHz	16.5
2452MHz	14

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter Mode		
2	DC power supply Mode		
3	PoE 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 Sporton Test Report No.: FA250405-01 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	



2.3 Accessories

Accessories				
DC Cable	Brand Name	Cradlepoint	Model Name	170864-000
	Signal Line	3 meter (Nien-Yi NYS4862)		

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

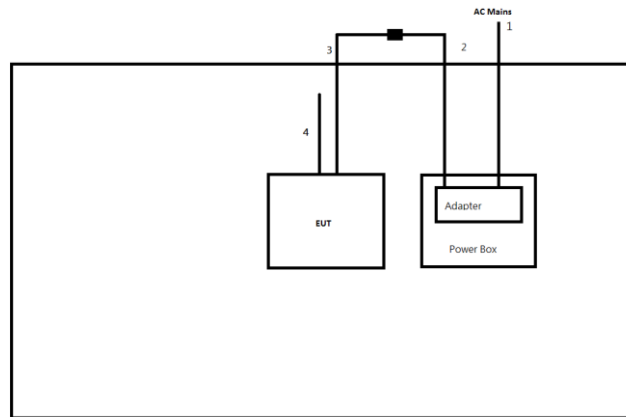
2.4 Support Equipment

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

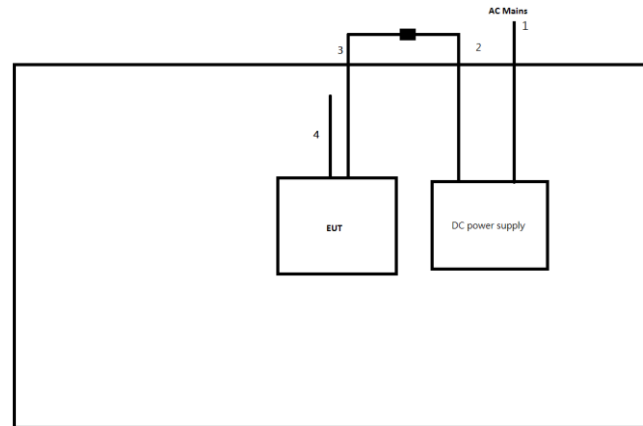
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Load	Sporton	Sporton	-	-
2	AC Adapter	ADP	WA-36N12R	-	Provided by Customer Part number: 170716-000
3	RJ45 Cable	-	-	-	Provided by Customer

2.5 Test Setup Diagram

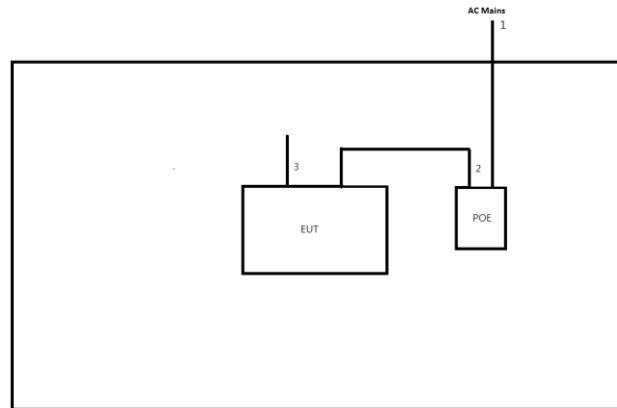
Test Setup Diagram - Radiated Test for Adapter Mode



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	DC Power cable	No	3.0	-
4	RJ45 cable	No	1.8	-

Test Setup Diagram - Radiated Test for DC power supply Mode


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	DC Power cable	No	3.0	-
4	RJ45 cable	No	1.8	-

Test Setup Diagram - Radiated Test for PoE Mode


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	RJ45 cable	No	1.8	-
3	DC Power cable	No	3.0	-

3 Transmitter Test Result

3.1 DTS Bandwidth

3.1.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

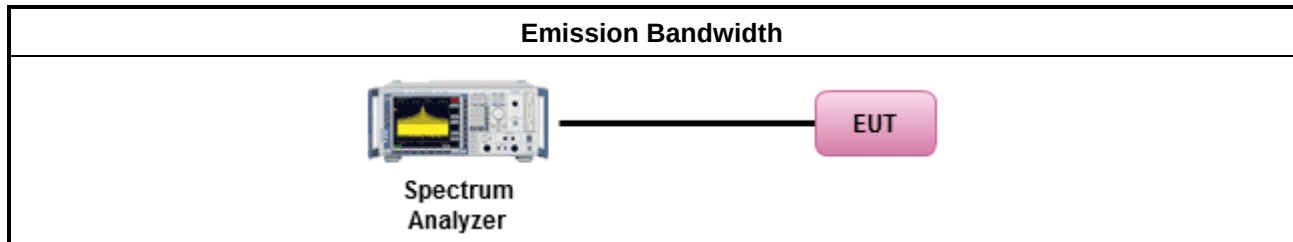
3.1.2 Measuring Instruments

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

3.1.3 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.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 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.		

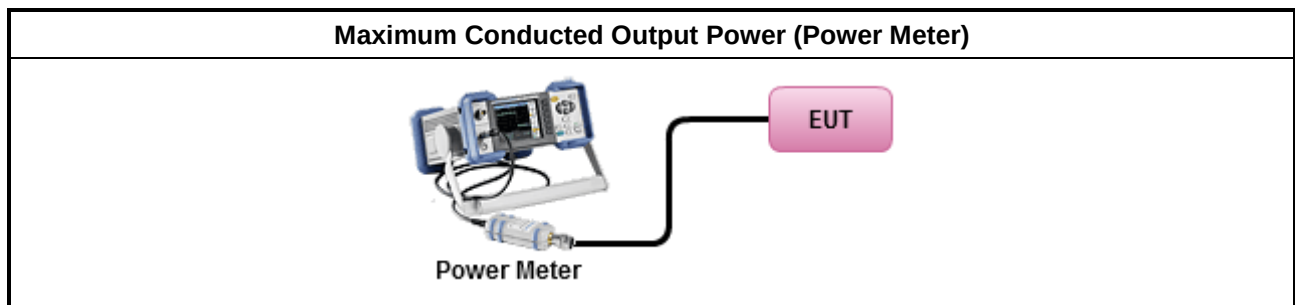
3.2.2 Measuring Instruments

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

3.2.3 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]) $EIRP_{total} = P_{total} + DG$	

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Power Spectral Density

3.3.1 Power Spectral Density Limit

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

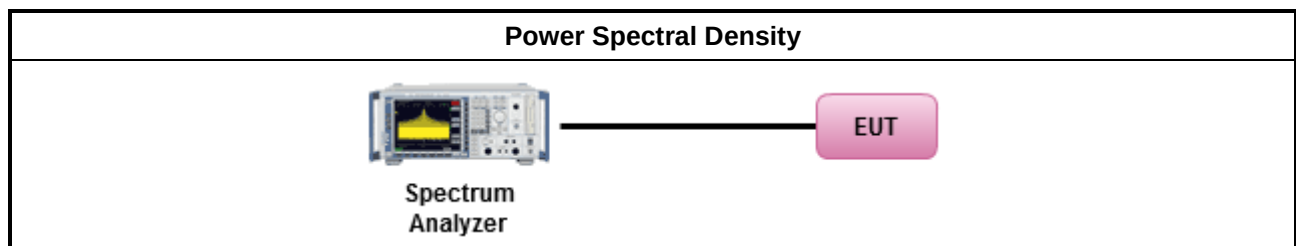
3.3.2 Measuring Instruments

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

3.3.3 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.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Refer as Appendix C

3.4 Emissions in Non-restricted Frequency Bands

3.4.1 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.	

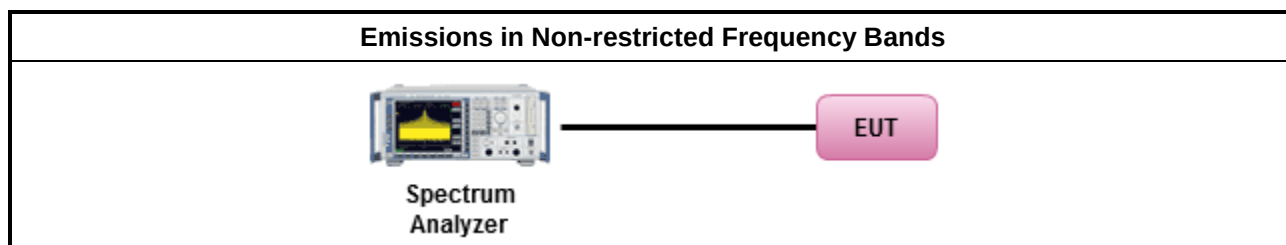
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

3.5 Emissions in Restricted Frequency Bands

3.5.1 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.

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

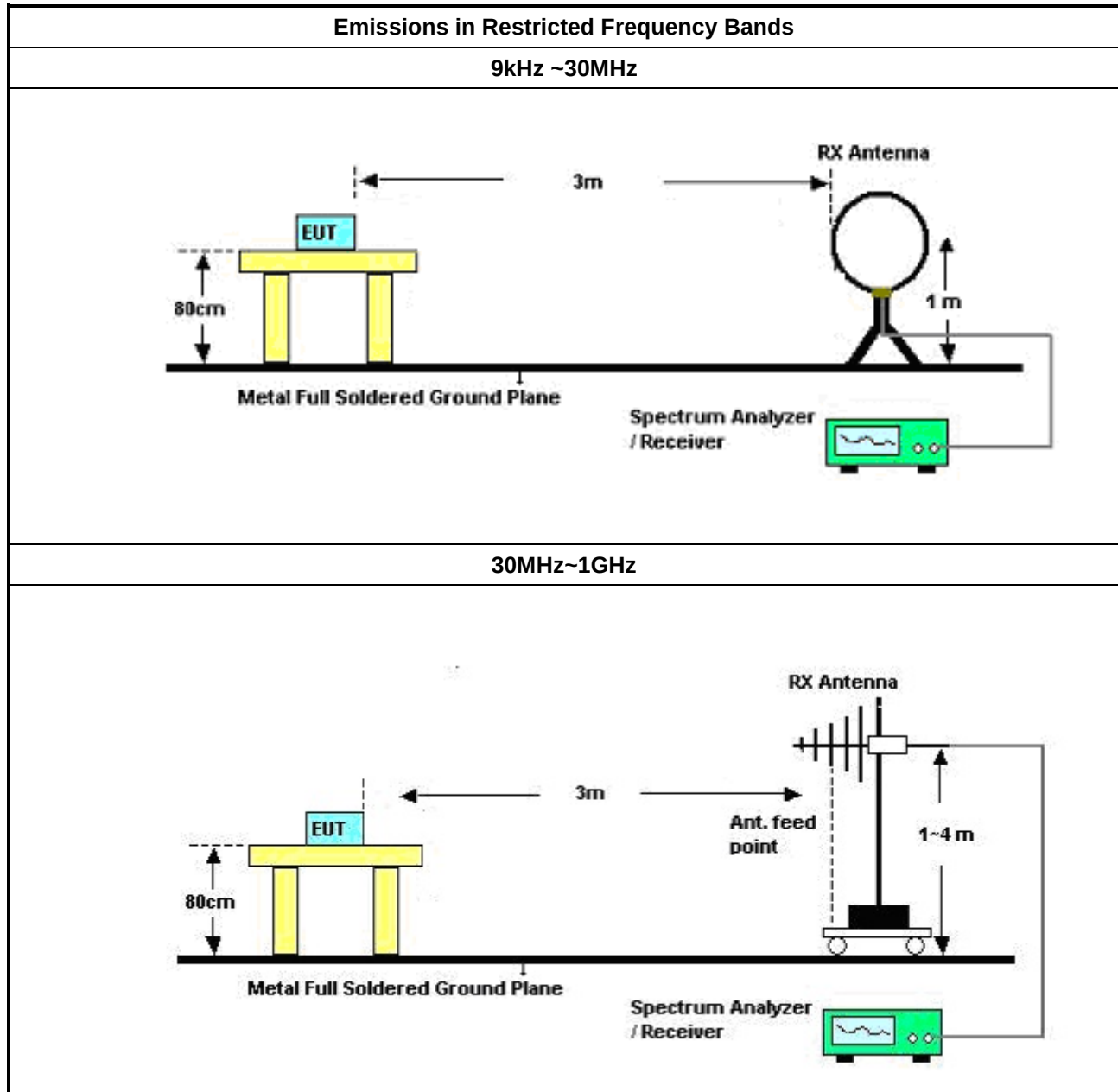
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

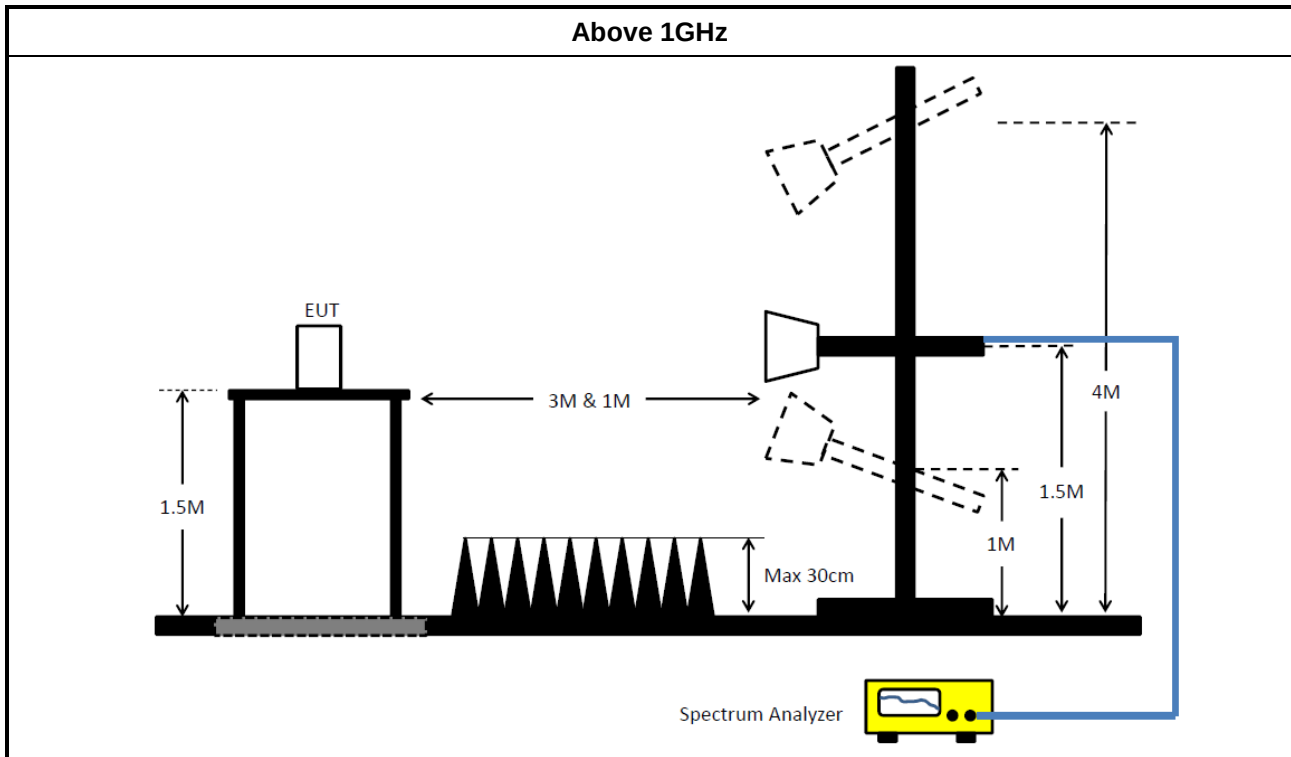
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.5 Test Setup





3.5.6 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.

3.5.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	01/Apr/2022	31/Mar/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	21/Feb/2022	20/Feb/2023
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	21/Feb/2022	20/Feb/2023
SENSE-15247_DTS	Sporton	5.10.8.3	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	02/Aug/2021	01/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	01/Aug/2021	31/Jul/2022
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	08/Apr/2022	07/Apr/2023
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2021	28/Jun/2022
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	28/Jun/2022	27/Jun/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	03/Nov/2021	02/Nov/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	04/Sep/2021	03/Sep/2022
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	04/May/2022	03/May/2023
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	04/May/2022	03/May/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+80 5192/4	1GHz~40GHz	01/Apr/2022	31/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	13/May/2022	12/May/2023
SENSE-15247_DTS	Sporton	V5.10.7.15	N/A	N/A	N/A	N/A

**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	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Amplifier	KEYSIGHT	87422A	MY53270197	1GHz~26.5GHz	30/Nov/2021	29/Nov/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
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
SENSE-EMI	Sporton	v5.10.8.2	NA	NA	NA	NA

**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	10.025M	15.942M	15M9G1D	7.1M	13.718M
802.11g_Nss1,(6Mbps)_2TX	15.075M	19.14M	19M1D1D	15M	16.442M
802.11ax HEW20_Nss1,(MCS0)_2TX	16.3M	19.365M	19M4D1D	12.6M	18.841M
802.11ax HEW40_Nss1,(MCS0)_2TX	35.85M	37.931M	37M9D1D	28.75M	37.431M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.1M	13.993M	8.05M	14.043M
2437MHz	Pass	500k	9.525M	15.567M	10.025M	15.942M
2462MHz	Pass	500k	8.025M	14.068M	7.525M	13.718M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.025M	16.442M	15.05M	16.492M
2437MHz	Pass	500k	15M	19.14M	15.075M	18.816M
2462MHz	Pass	500k	15.025M	16.517M	15.075M	16.467M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.05M	18.866M	12.6M	18.841M
2437MHz	Pass	500k	16.3M	19.365M	14.975M	19.34M
2462MHz	Pass	500k	14.9M	18.866M	13.725M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.85M	37.681M	35.15M	37.431M
2437MHz	Pass	500k	32.6M	37.681M	31.95M	37.931M
2452MHz	Pass	500k	31.25M	37.631M	28.75M	37.581M

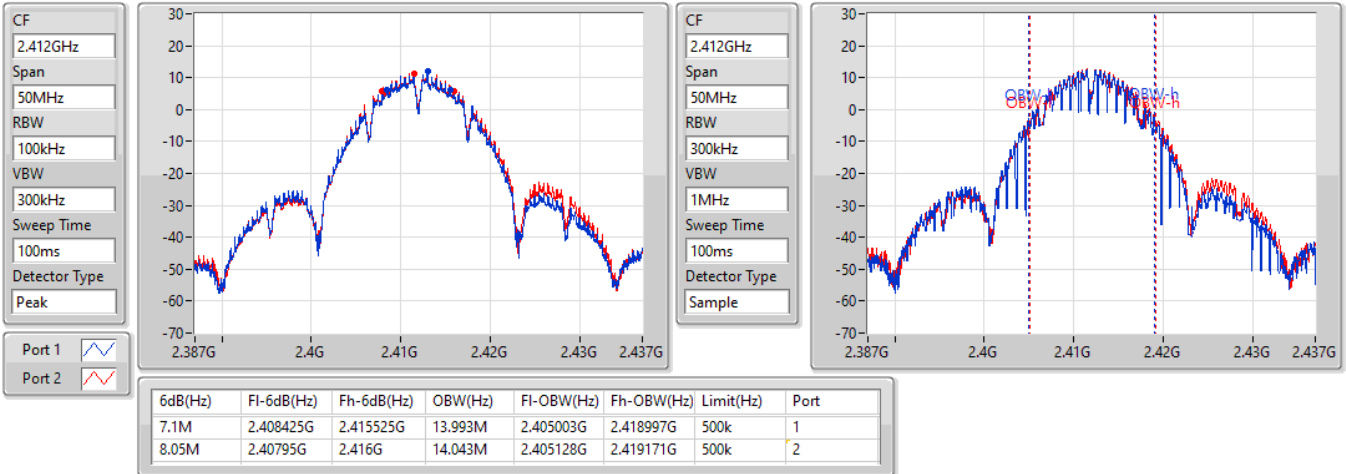
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

10/06/2022

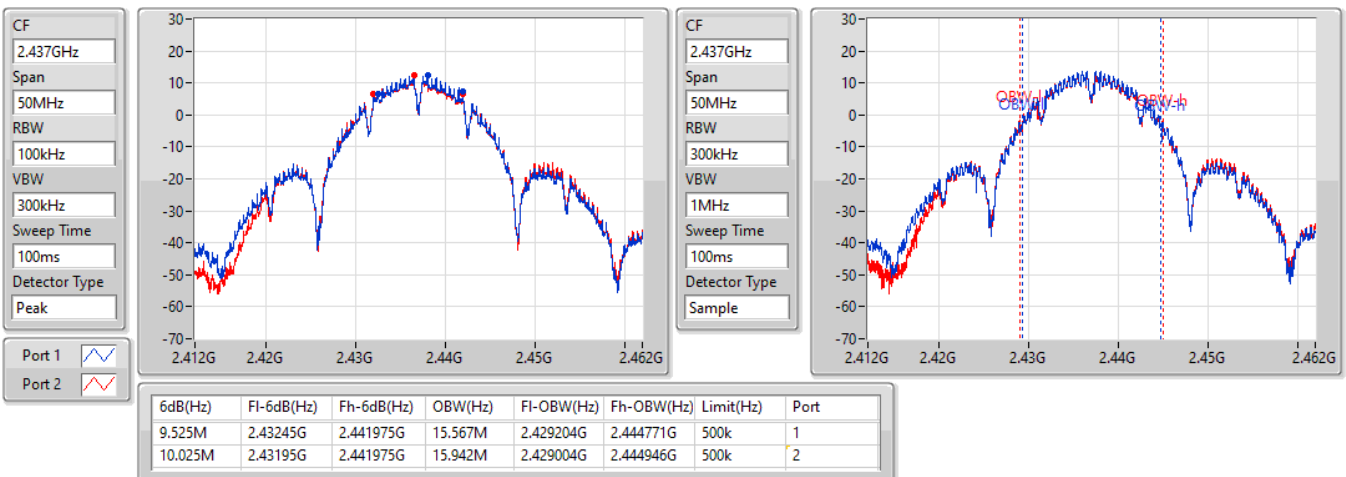


802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

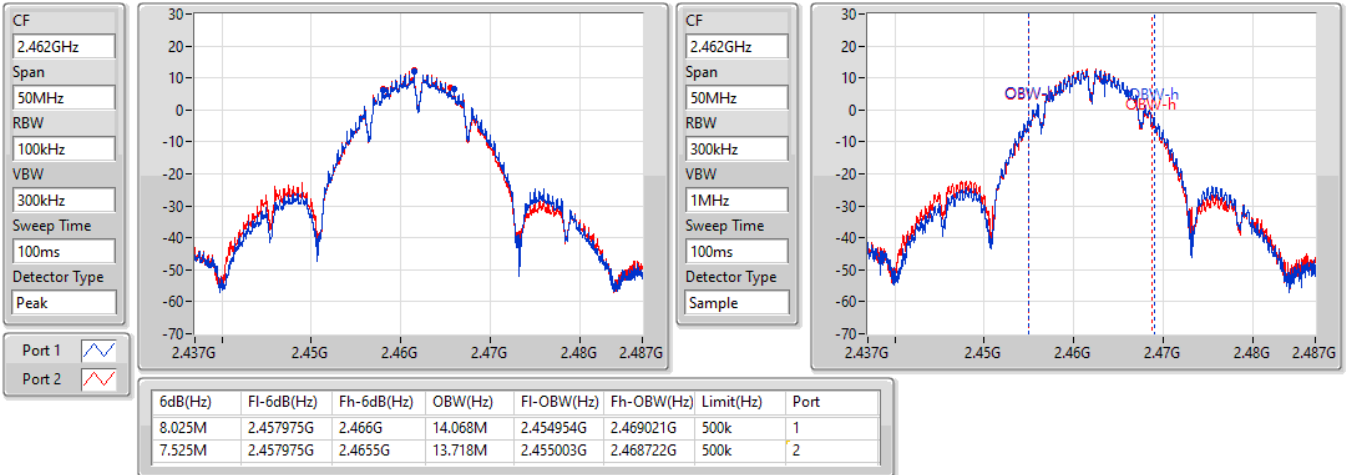
10/06/2022



802.11b_Nss1,(1Mbps)_2TX

2462MHz

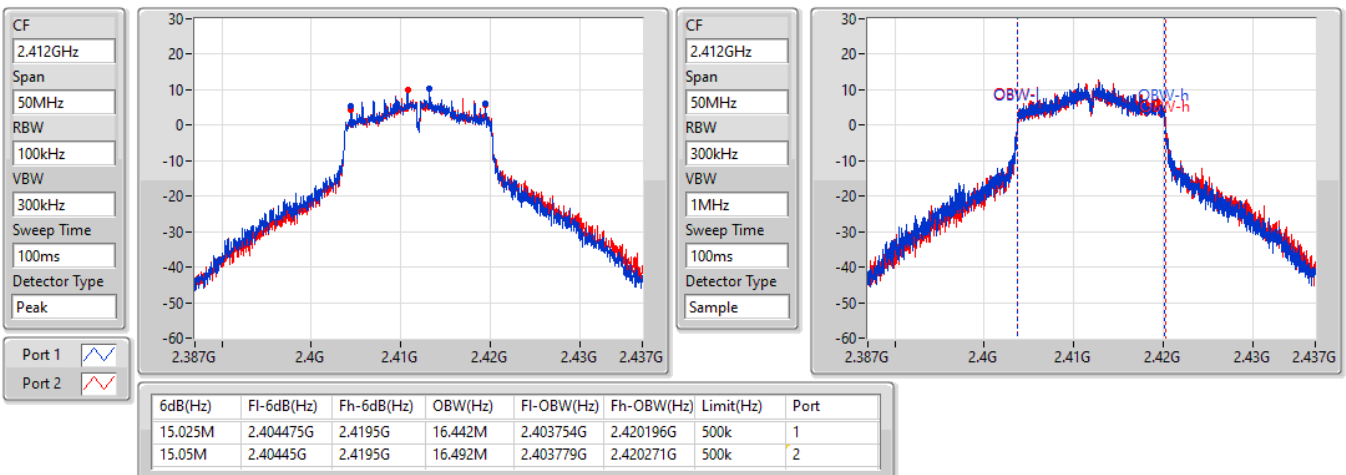
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802.11g_Nss1,(6Mbps)_2TX

2412MHz

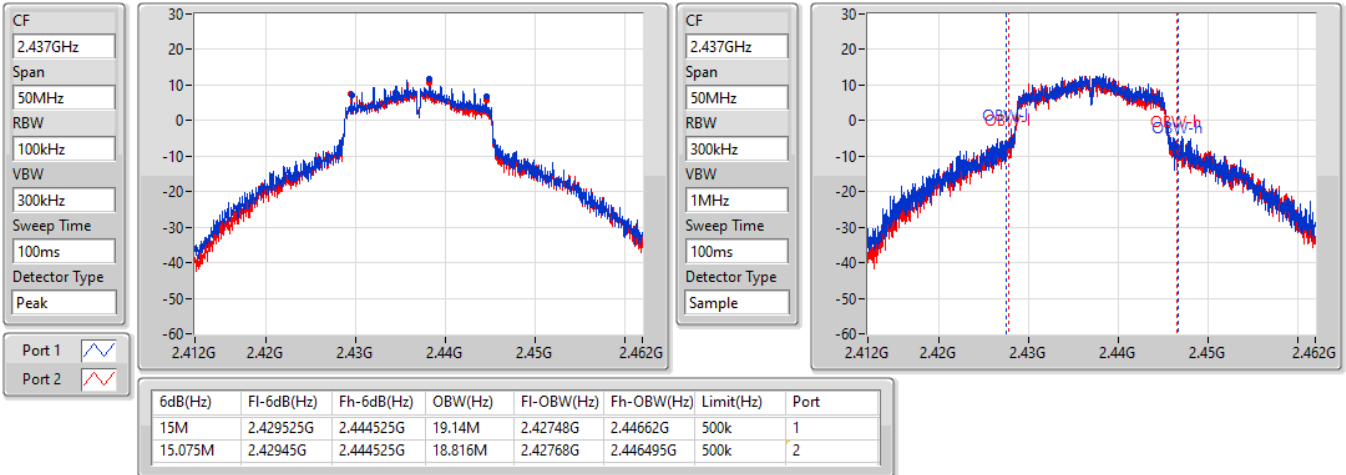
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802.11g_Nss1,(6Mbps)_2TX

2437MHz

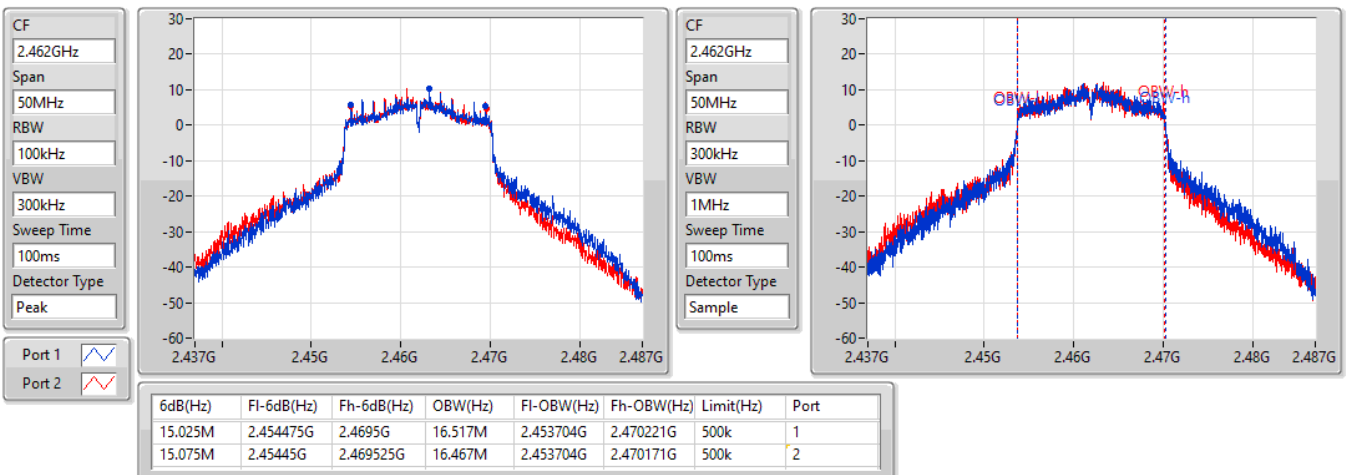
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802.11g_Nss1,(6Mbps)_2TX

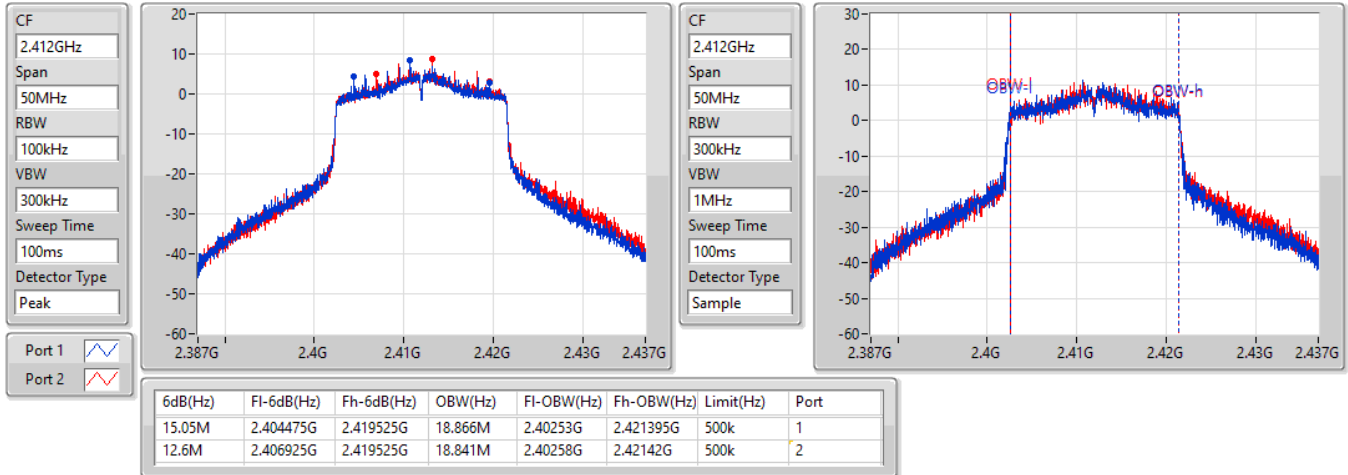
2462MHz

10/06/2022

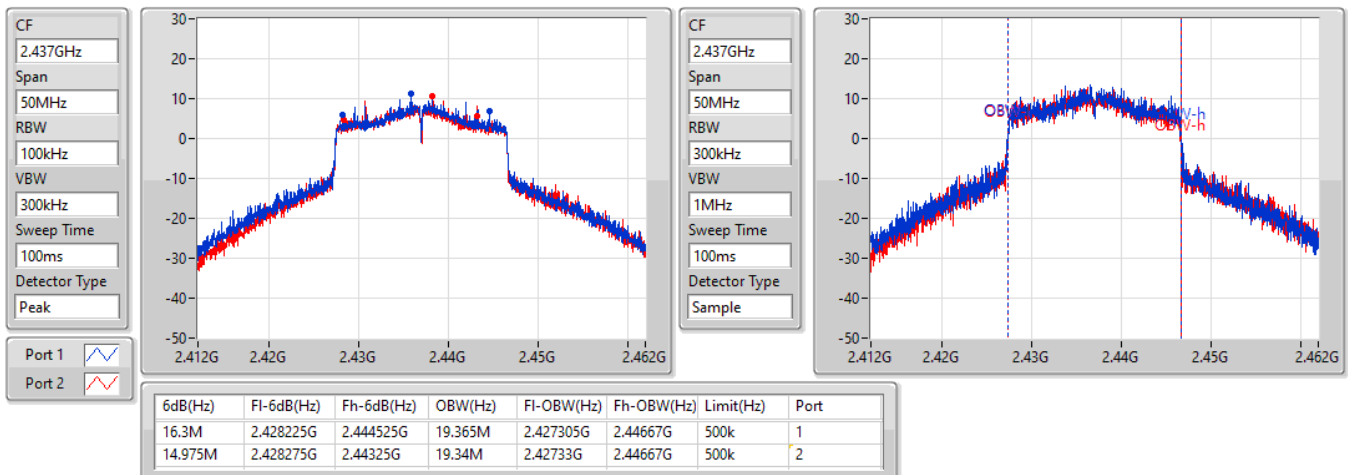


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2412MHz

10/06/2022


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2437MHz

10/06/2022

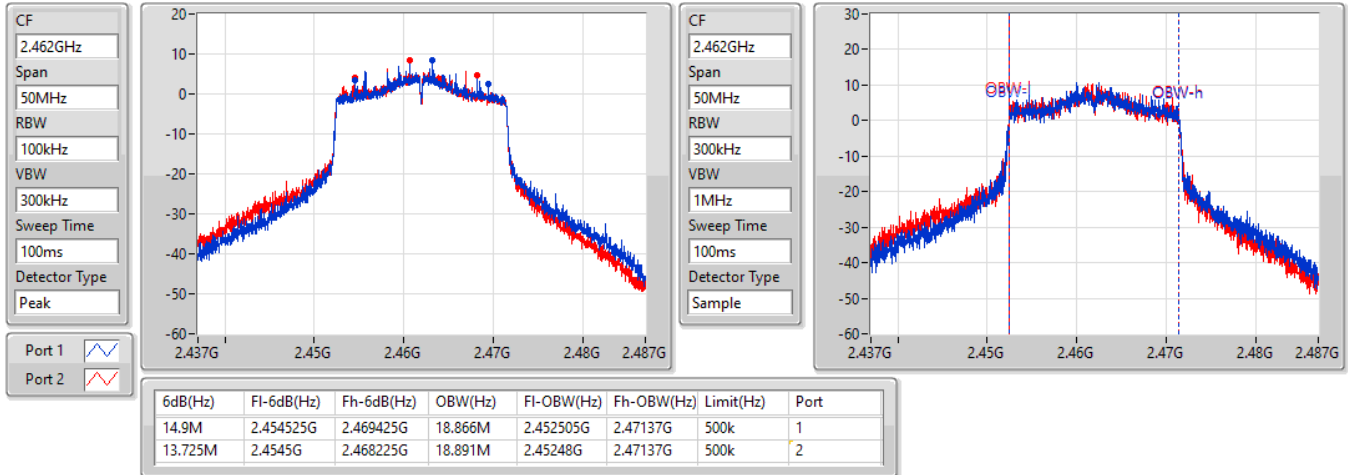


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

10/06/2022

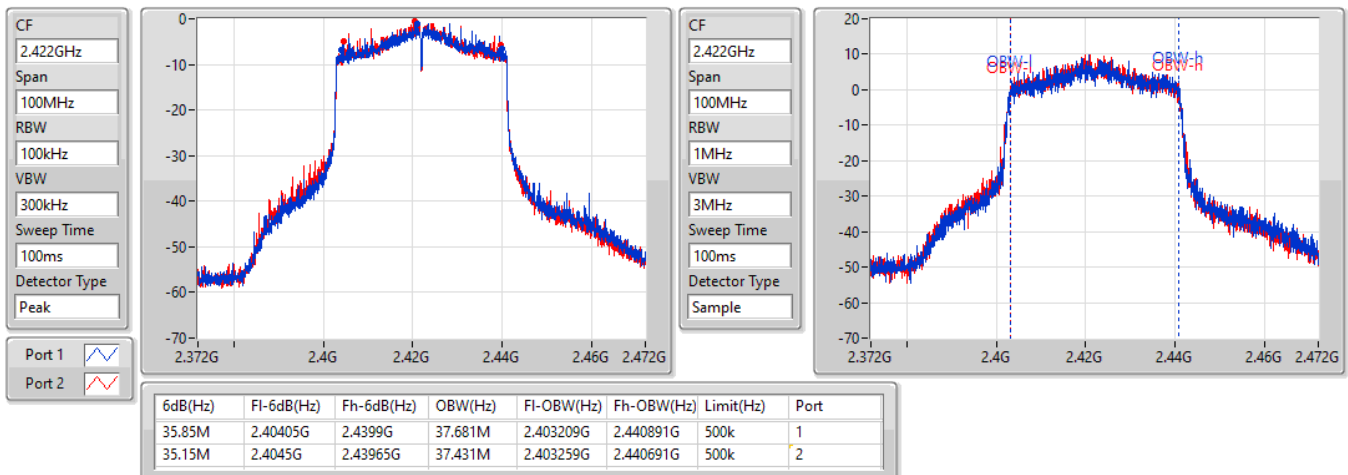


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2422MHz

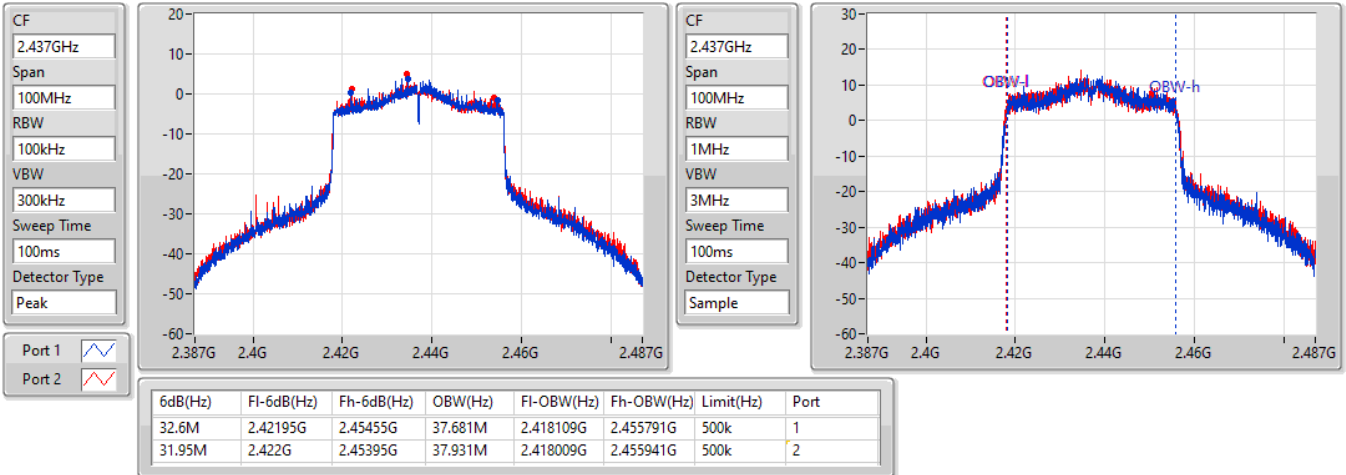
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802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz

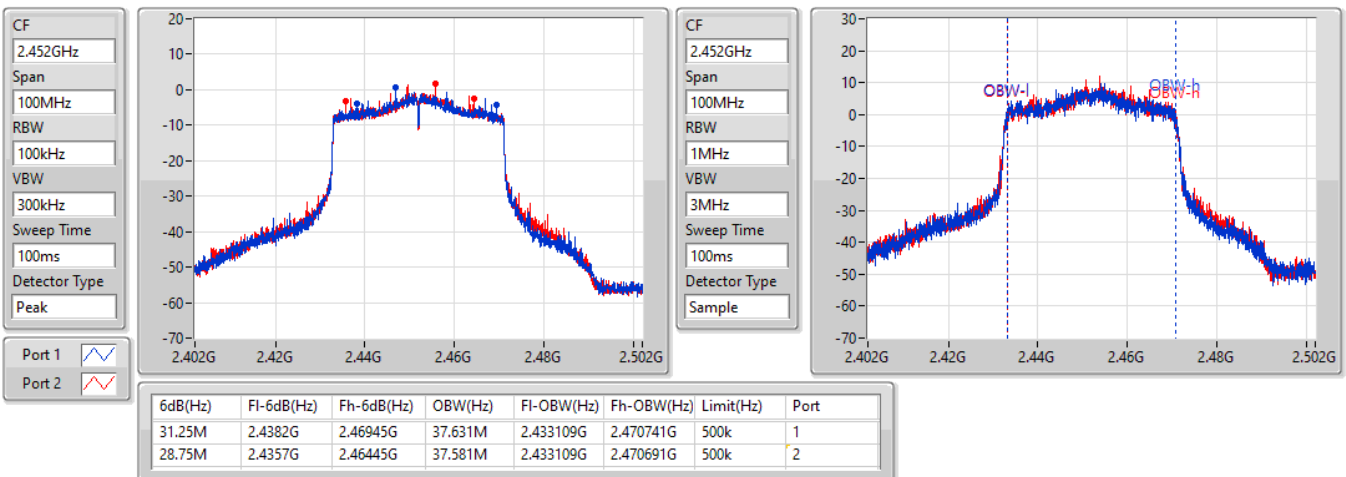
10/06/2022



802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz

10/06/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.83	0.30409
802.11g_Nss1,(6Mbps)_2TX	24.07	0.25527
802.11ax HEW20_Nss1,(MCS0)_2TX	23.79	0.23933
802.11ax HEW40_Nss1,(MCS0)_2TX	20.49	0.11194

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.30	20.40	20.65	23.54	30.00
2417MHz	Pass	4.30	21.19	21.82	24.53	30.00
2437MHz	Pass	4.30	21.93	21.71	24.83	30.00
2457MHz	Pass	4.30	20.48	21.71	24.15	30.00
2462MHz	Pass	4.30	20.37	20.60	23.50	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.30	18.03	17.91	20.98	30.00
2417MHz	Pass	4.30	20.49	20.82	23.67	30.00
2437MHz	Pass	4.30	21.28	20.82	24.07	30.00
2457MHz	Pass	4.30	19.34	19.88	22.63	30.00
2462MHz	Pass	4.30	19.31	19.44	22.39	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.30	17.87	17.96	20.93	30.00
2417MHz	Pass	4.30	20.02	20.28	23.16	30.00
2437MHz	Pass	4.30	20.88	20.67	23.79	30.00
2457MHz	Pass	4.30	18.40	18.90	21.67	30.00
2462MHz	Pass	4.30	17.45	17.51	20.49	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.30	13.71	13.79	16.76	30.00
2427MHz	Pass	4.30	15.42	15.42	18.43	30.00
2437MHz	Pass	4.30	17.44	17.51	20.49	30.00
2447MHz	Pass	4.30	16.39	16.51	19.46	30.00
2452MHz	Pass	4.30	13.95	14.10	17.04	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	23.61	0.22961
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.36	0.10864

**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	7.31	17.74	17.83	20.80	28.69
2417MHz	Pass	7.31	19.89	20.15	23.03	28.69
2437MHz	Pass	7.31	20.65	20.54	23.61	28.69
2457MHz	Pass	7.31	18.27	18.77	21.54	28.69
2462MHz	Pass	7.31	17.32	17.38	20.36	28.69
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.31	13.58	13.66	16.63	28.69
2427MHz	Pass	7.31	15.29	15.29	18.30	28.69
2437MHz	Pass	7.31	17.31	17.38	20.36	28.69
2447MHz	Pass	7.31	16.26	16.38	19.33	28.69
2452MHz	Pass	7.31	13.82	13.97	16.91	28.69

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	0.22
802.11g_Nss1,(6Mbps)_2TX	-3.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-2.31
802.11ax HEW40_Nss1,(MCS0)_2TX	-8.87

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	7.31	-2.88	-3.64	-1.25	6.69
2437MHz	Pass	7.31	-2.16	-2.10	0.22	6.69
2462MHz	Pass	7.31	-4.33	-3.33	-2.18	6.69
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.31	-6.44	-7.50	-4.49	6.69
2437MHz	Pass	7.31	-5.41	-5.81	-3.00	6.69
2462MHz	Pass	7.31	-6.32	-6.45	-5.00	6.69
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.31	-6.98	-7.91	-5.53	6.69
2437MHz	Pass	7.31	-3.25	-3.61	-2.31	6.69
2462MHz	Pass	7.31	-6.39	-8.20	-4.86	6.69
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.31	-13.04	-13.23	-11.84	6.69
2437MHz	Pass	7.31	-10.20	-10.47	-8.87	6.69
2452MHz	Pass	7.31	-14.39	-13.09	-11.73	6.69

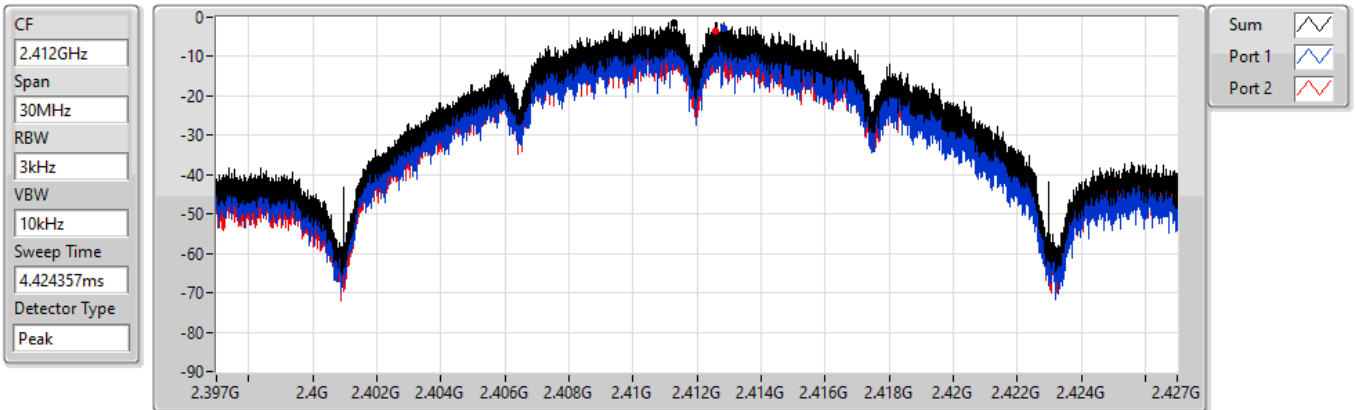
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

10/06/2022

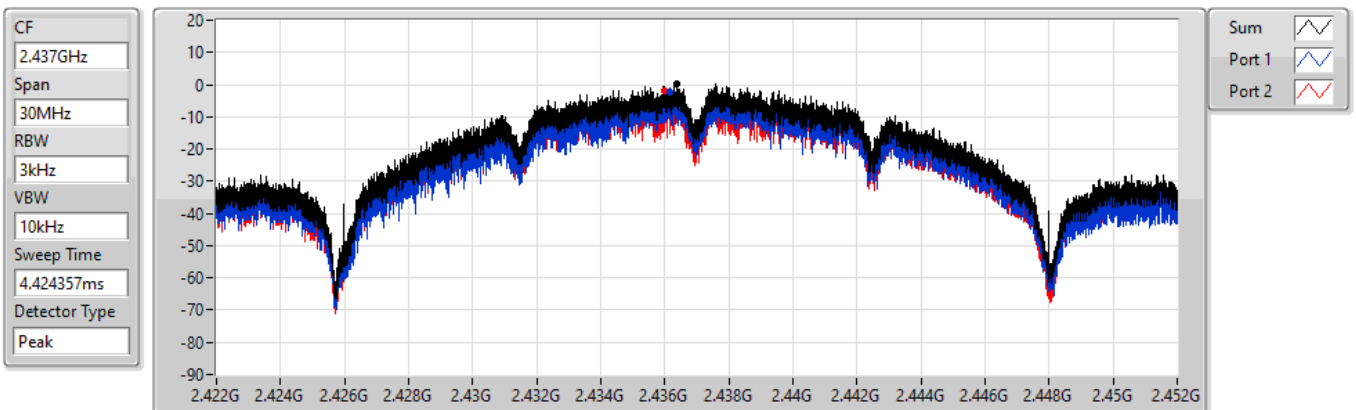


802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

10/06/2022

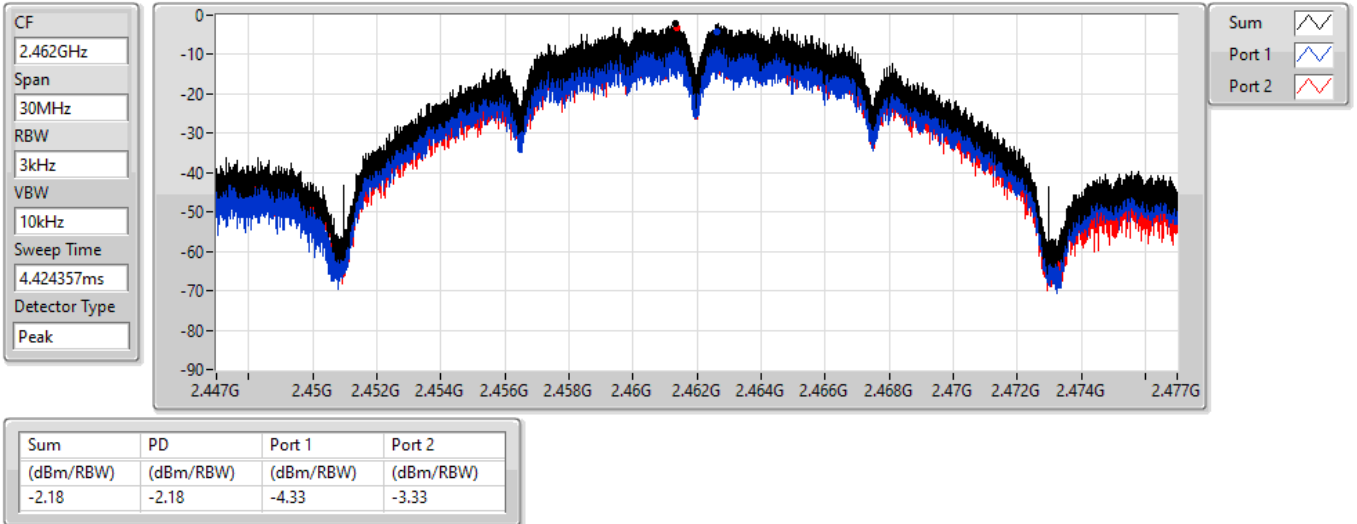


802.11b_Nss1,(1Mbps)_2TX

2462MHz

PSD

10/06/2022

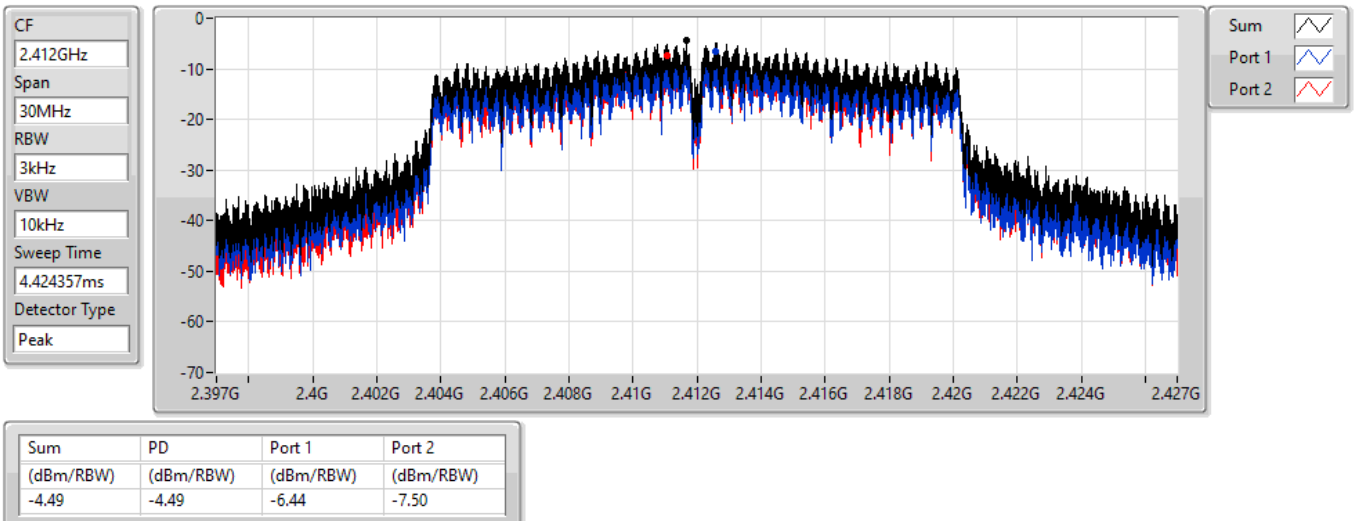


802.11g_Nss1,(6Mbps)_2TX

2412MHz

PSD

10/06/2022

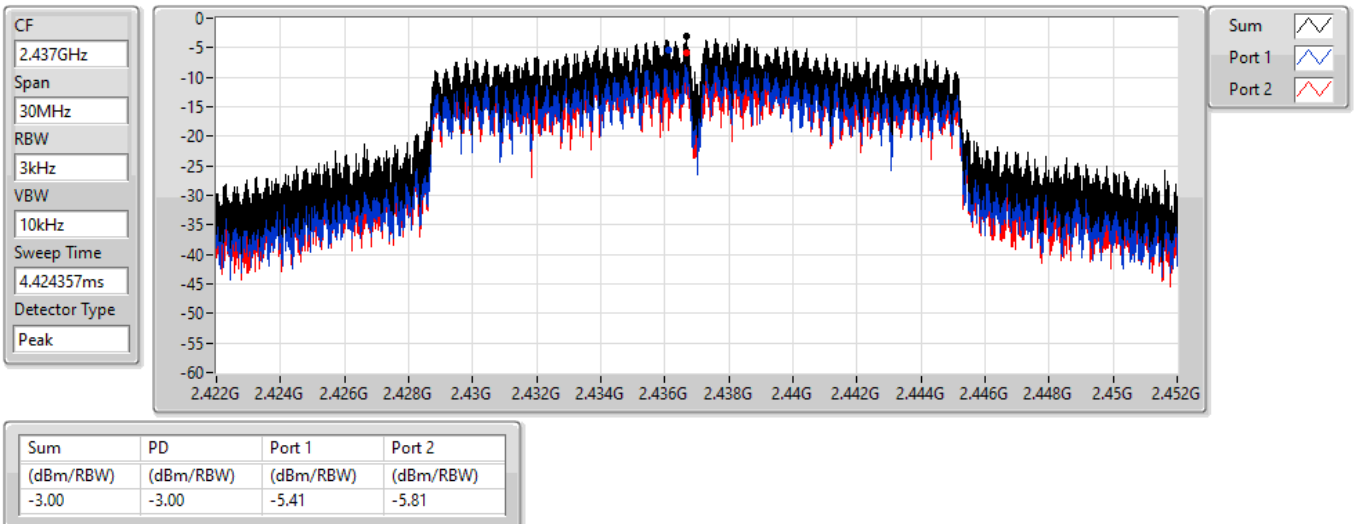


802.11g_Nss1,(6Mbps)_2TX

2437MHz

PSD

10/06/2022

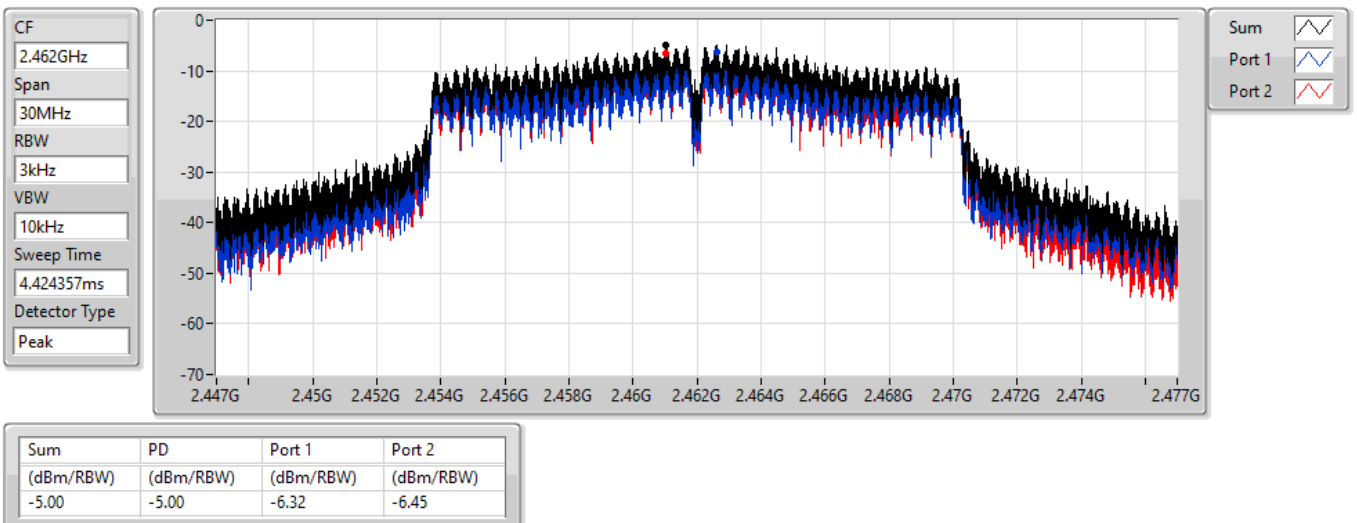


802.11g_Nss1,(6Mbps)_2TX

2462MHz

PSD

10/06/2022

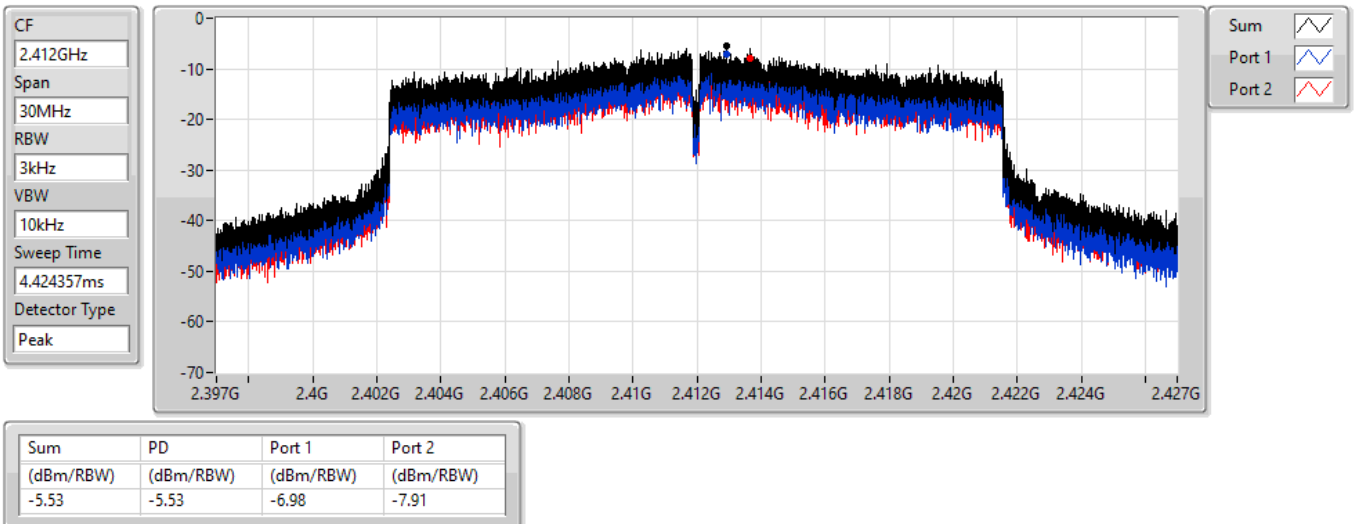


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

10/06/2022

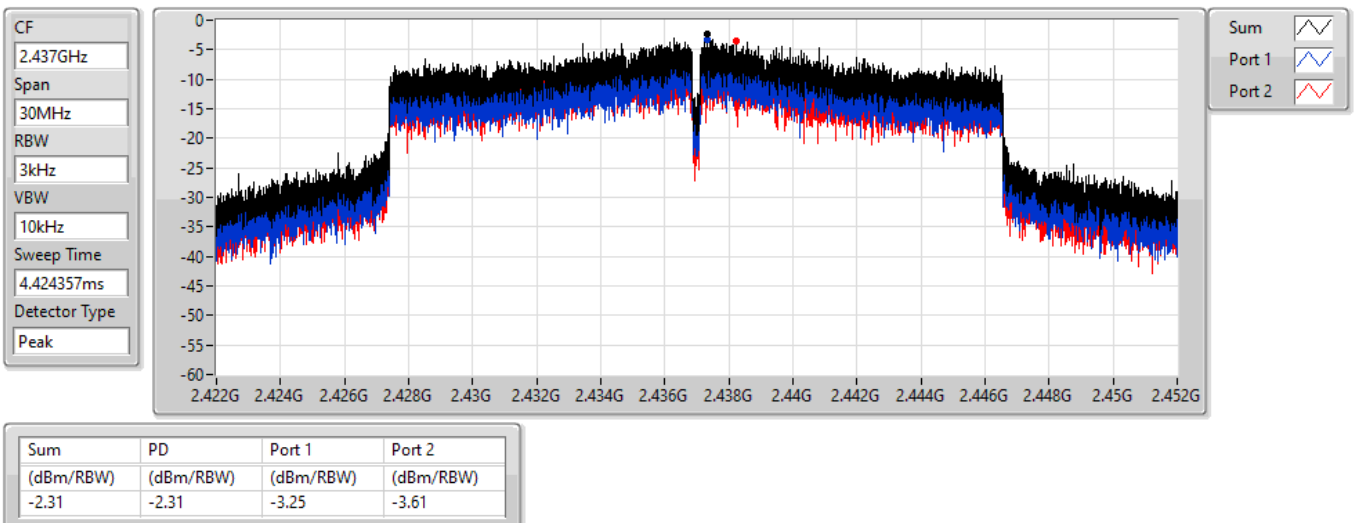


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

10/06/2022

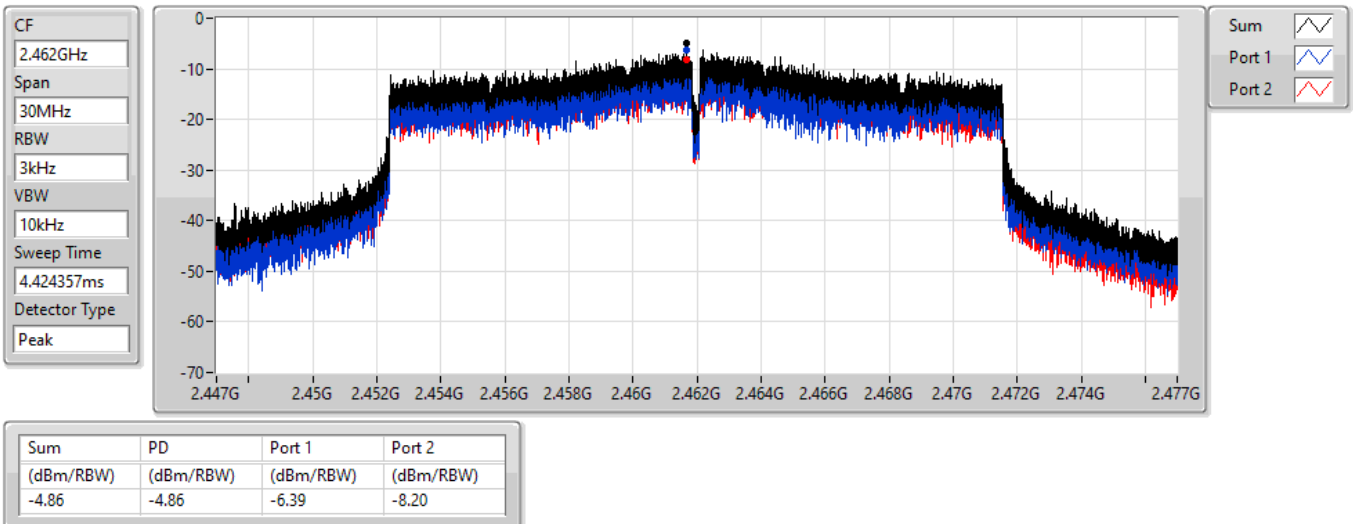


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

10/06/2022

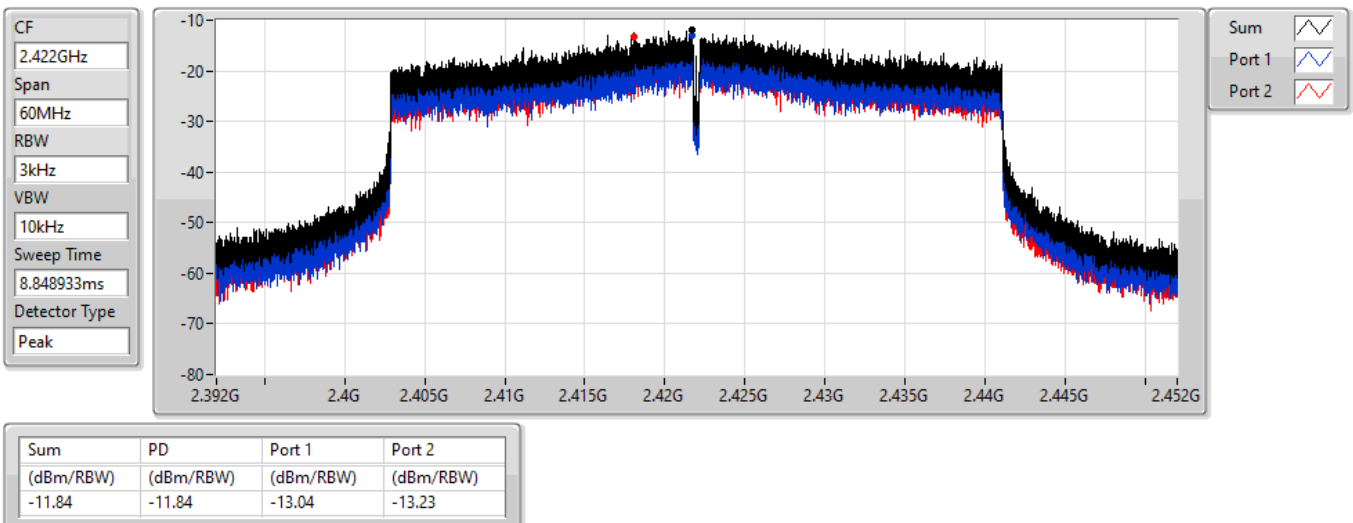


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

10/06/2022

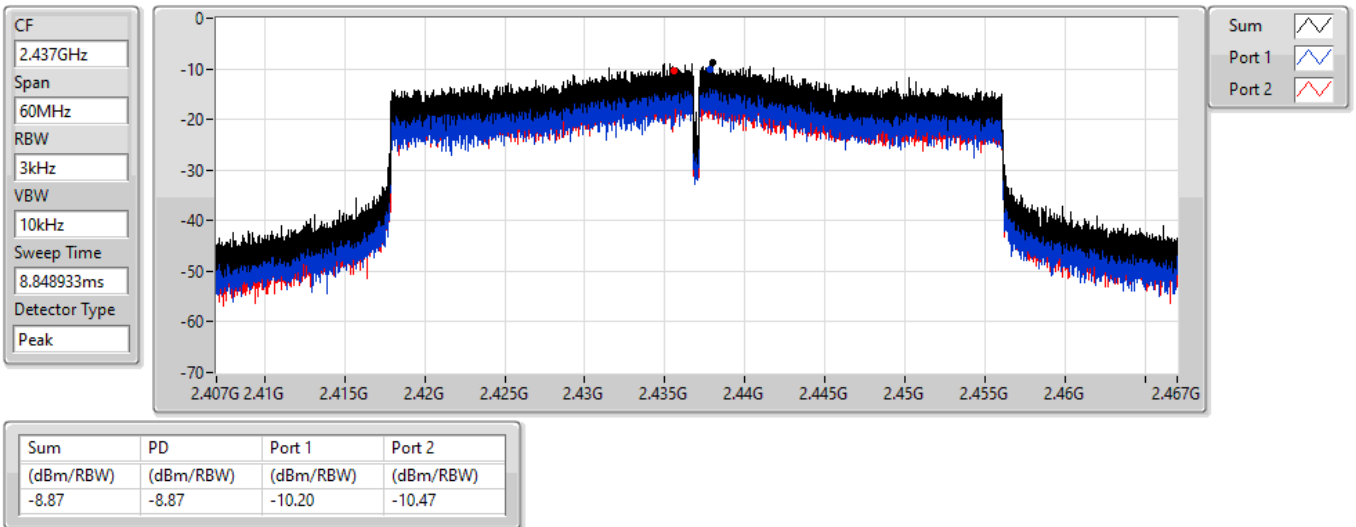


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

10/06/2022

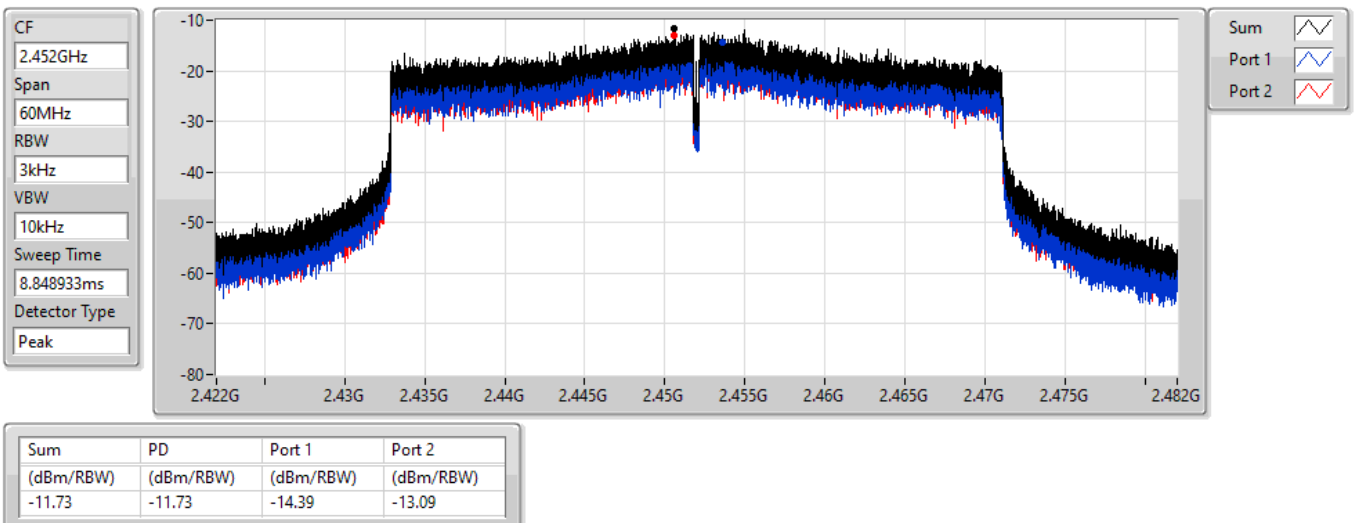


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

10/06/2022





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	2.43741G	13.02	-16.98	2.30525G	-55.37	2.39752G	-25.06	2.4G	-33.39	2.51174G	-52.76	24.67128G	-42.64	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	11.07	-18.93	2.1736G	-54.52	2.39912G	-23.21	2.4G	-22.48	2.50254G	-52.67	24.14589G	-43.10	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43824G	10.51	-19.49	2.30292G	-54.98	2.39984G	-21.33	2.4G	-22.89	2.50854G	-53.17	15.22272G	-42.16	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4344G	5.02	-24.98	2.1368G	-55.72	2.39952G	-26.43	2.4G	-32.71	2.5155G	-53.10	15.21769G	-42.57	2

Result

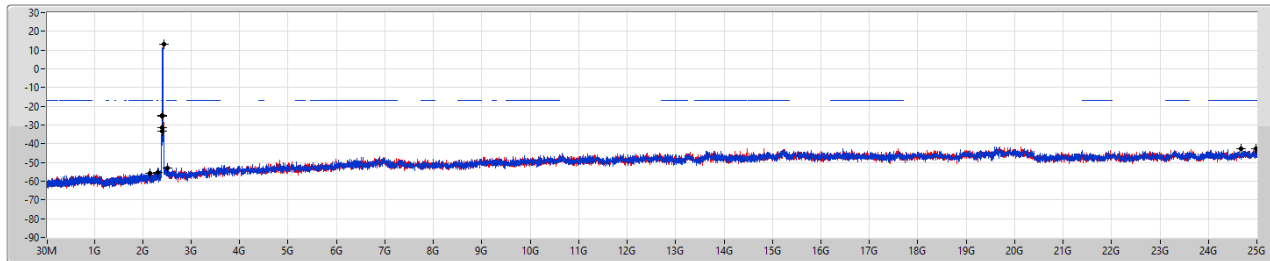
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43741G	13.02	-16.98	2.30525G	-55.37	2.39752G	-25.06	2.4G	-33.39	2.51174G	-52.76	24.67128G	-42.64	1
2412MHz	Pass	2.43741G	13.02	-16.98	2.14331G	-55.87	2.398G	-25.15	2.4G	-31.48	2.50854G	-53.15	24.98314G	-42.55	2
2437MHz	Pass	2.43741G	13.02	-16.98	2.07807G	-55.09	2.3996G	-46.39	2.4G	-48.62	2.5175G	-52.94	14.62148G	-39.67	1
2437MHz	Pass	2.43741G	13.02	-16.98	2.12118G	-55.64	2.39952G	-43.62	2.4G	-49.75	2.52102G	-52.27	14.62148G	-39.17	2
2462MHz	Pass	2.43741G	13.02	-16.98	2.10487G	-54.95	2.39824G	-52.80	2.4G	-55.24	2.5119G	-52.92	15.32949G	-42.52	1
2462MHz	Pass	2.43741G	13.02	-16.98	2.1072G	-54.73	2.39856G	-53.23	2.4G	-55.86	2.50334G	-52.95	15.22834G	-42.32	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	11.07	-18.93	1.83342G	-56.02	2.39984G	-23.41	2.4G	-23.58	2.5083G	-52.66	15.18339G	-42.91	1
2412MHz	Pass	2.43574G	11.07	-18.93	2.1736G	-54.52	2.39912G	-23.21	2.4G	-22.48	2.50254G	-52.67	24.14589G	-43.10	2
2437MHz	Pass	2.43574G	11.07	-18.93	2.12234G	-54.88	2.39824G	-44.68	2.4G	-48.87	2.5235G	-52.97	23.31145G	-42.87	1
2437MHz	Pass	2.43574G	11.07	-18.93	1.7775G	-54.83	2.39952G	-43.51	2.4G	-46.55	2.51206G	-53.12	24.7359G	-42.86	2
2462MHz	Pass	2.43574G	11.07	-18.93	2.16195G	-54.99	2.3968G	-53.52	2.4G	-55.38	2.50294G	-52.92	24.7359G	-42.68	1
2462MHz	Pass	2.43574G	11.07	-18.93	1.93128G	-55.57	2.39808G	-53.53	2.4G	-55.74	2.51398G	-53.13	15.21148G	-42.31	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	10.51	-19.49	2.30292G	-54.98	2.39984G	-21.33	2.4G	-22.89	2.50854G	-53.17	15.22272G	-42.16	1
2412MHz	Pass	2.43824G	10.51	-19.49	2.30408G	-54.39	2.39976G	-21.86	2.4G	-22.15	2.5039G	-52.46	24.90447G	-41.98	2
2437MHz	Pass	2.43824G	10.51	-19.49	847.83M	-55.92	2.39904G	-45.04	2.4G	-45.89	2.50926G	-52.48	24.95786G	-42.13	1
2437MHz	Pass	2.43824G	10.51	-19.49	2.19807G	-54.89	2.4G	-43.91	2.4G	-44.89	2.51494G	-52.78	24.79209G	-40.99	2
2462MHz	Pass	2.43824G	10.51	-19.49	2.11768G	-55.59	2.3936G	-53.19	2.4G	-54.56	2.50238G	-53.12	15.2452G	-42.30	1
2462MHz	Pass	2.43824G	10.51	-19.49	2.06293G	-54.45	2.39624G	-52.98	2.4G	-55.50	2.51726G	-52.15	24.14589G	-42.83	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	5.02	-24.98	1.80132G	-55.18	2.39968G	-32.95	2.4G	-33.56	2.50046G	-52.69	24.89904G	-42.45	1
2422MHz	Pass	2.4344G	5.02	-24.98	2.30054G	-55.10	2.39968G	-30.58	2.4G	-31.85	2.52942G	-53.51	15.20366G	-43.17	2
2437MHz	Pass	2.4344G	5.02	-24.98	2.06581G	-55.21	2.39952G	-29.53	2.4G	-34.78	2.53806G	-53.24	24.24838G	-43.02	1
2437MHz	Pass	2.4344G	5.02	-24.98	2.1368G	-55.72	2.39952G	-26.43	2.4G	-32.71	2.5155G	-53.10	15.21769G	-42.57	2
2452MHz	Pass	2.4344G	5.02	-24.98	2.09787G	-55.21	2.4G	-51.79	2.4G	-53.29	2.5099G	-52.54	24.756G	-43.01	1
2452MHz	Pass	2.4344G	5.02	-24.98	1.98223G	-55.57	2.39984G	-51.58	2.4G	-51.92	2.52782G	-53.45	24.92147G	-42.24	2

802.11b_Nss1,(1Mbps)_2TX

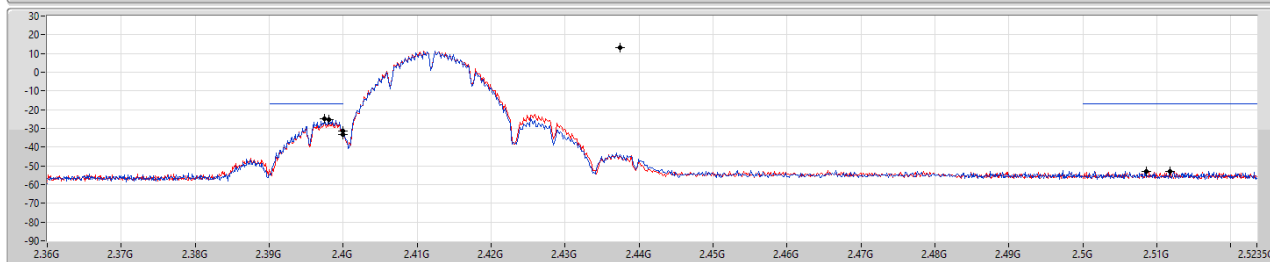
2412MHz

CSEndB

10/06/2022



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

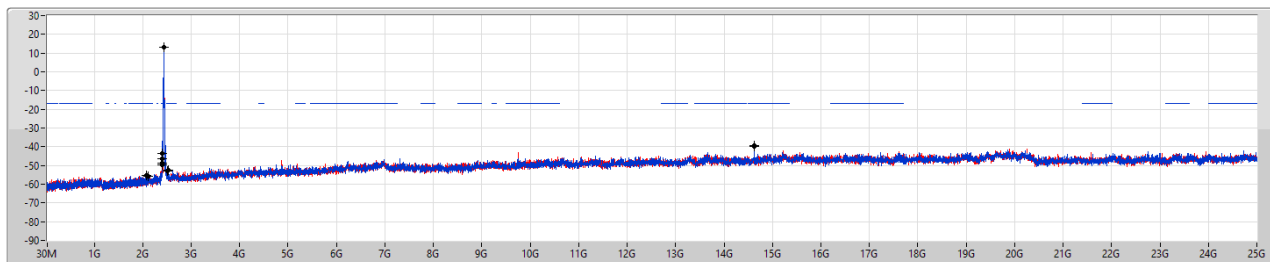
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43741G	13.02	-16.98	2.30525G	-55.37	2.39752G	-25.06	2.4G	-33.39	2.51174G	-52.76	24.67128G	-42.64	1
2.43741G	13.02	-16.98	2.14331G	-55.87	2.398G	-25.15	2.4G	-31.48	2.50854G	-53.15	24.98314G	-42.55	2

802.11b_Nss1,(1Mbps)_2TX

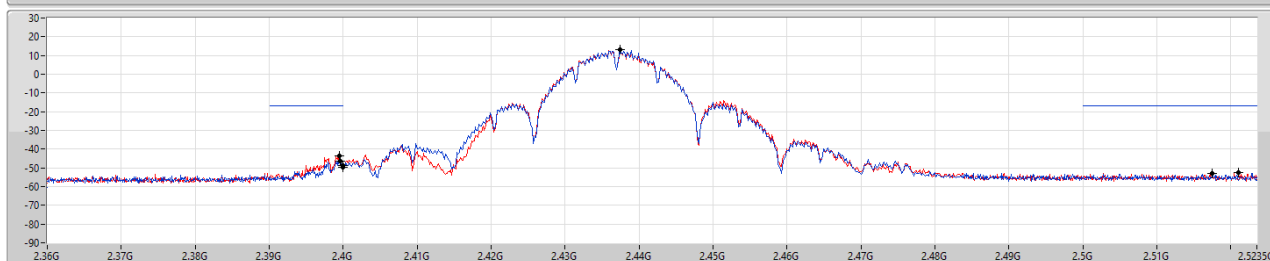
2437MHz

CSEndB

10/06/2022



Port 1
Port 2



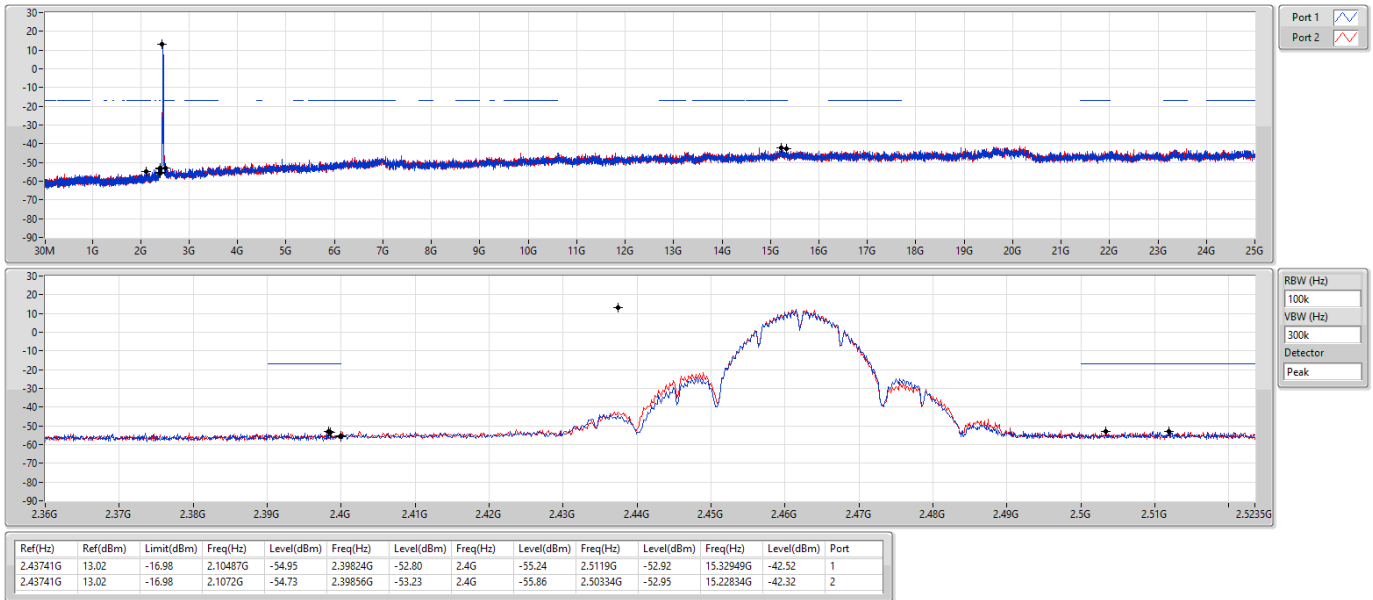
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.43741G	13.02	-16.98	2.07807G	-55.09	2.3996G	-46.39	2.4G	-48.62	2.5175G	-52.94	14.62148G	-39.67	1
2.43741G	13.02	-16.98	2.12118G	-55.64	2.39952G	-43.62	2.4G	-49.75	2.52102G	-52.27	14.62148G	-39.17	2

802.11b_Nss1,(1Mbps)_2TX

2462MHz

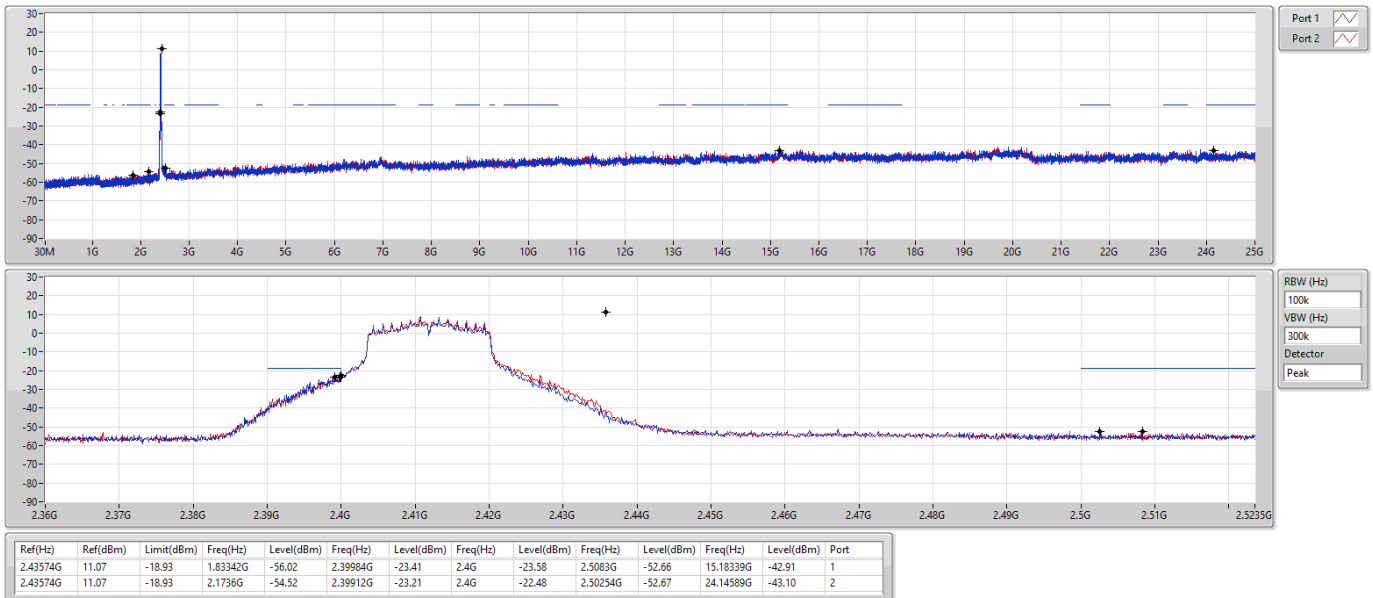
CSEndB



802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSEndB

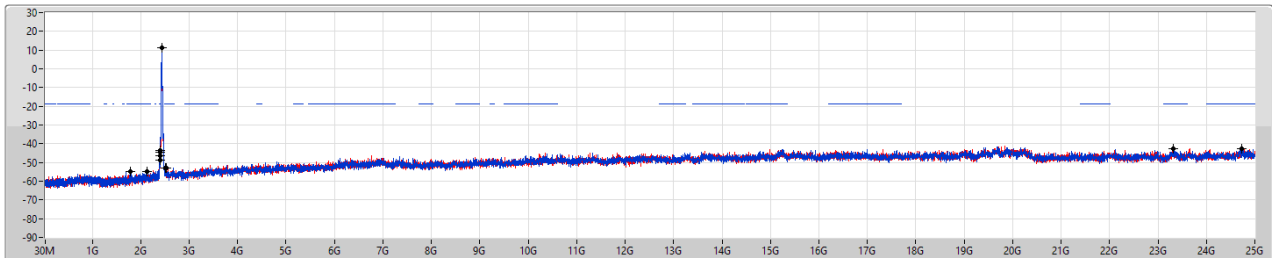


802.11g_Nss1,(6Mbps)_2TX

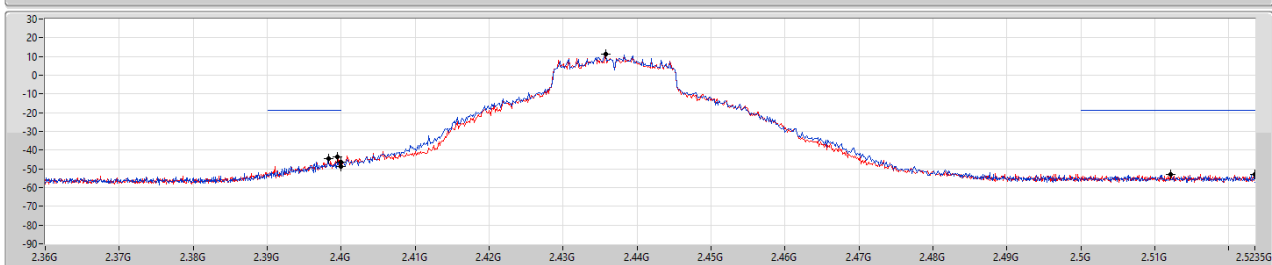
2437MHz

CSEndB

10/06/2022



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

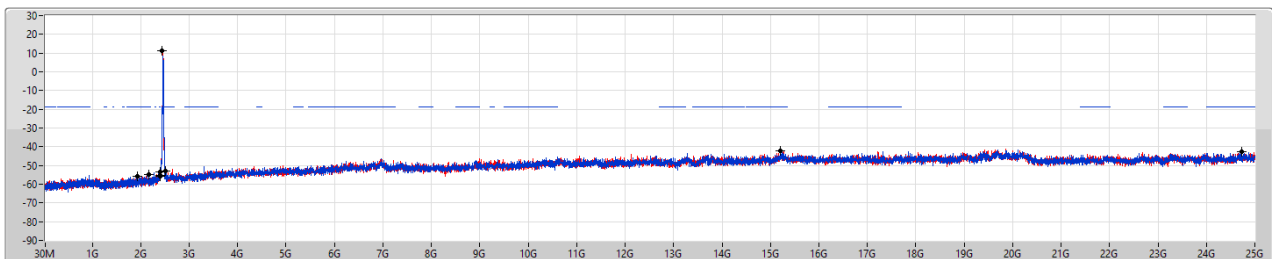
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	11.07	-18.93	2.12234G	-54.88	2.39824G	-44.68	2.4G	-48.87	2.5235G	-52.97	23.31145G	-42.87	1
2.43574G	11.07	-18.93	1.7775G	-54.83	2.39952G	-43.51	2.4G	-46.55	2.51206G	-53.12	24.7359G	-42.86	2

802.11g_Nss1,(6Mbps)_2TX

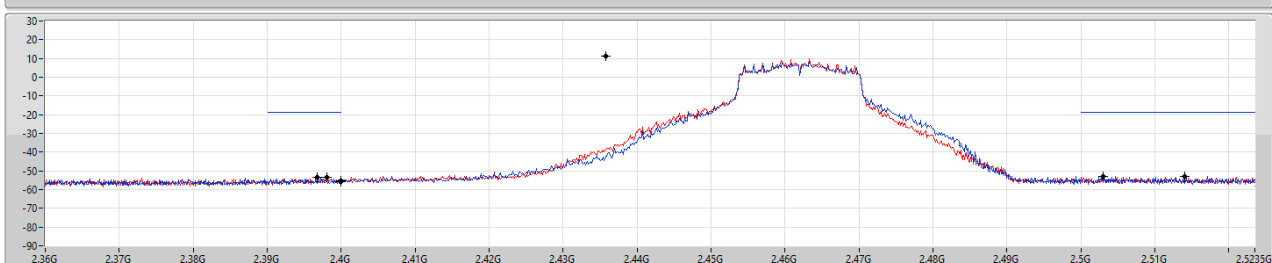
2462MHz

CSEndB

10/06/2022



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

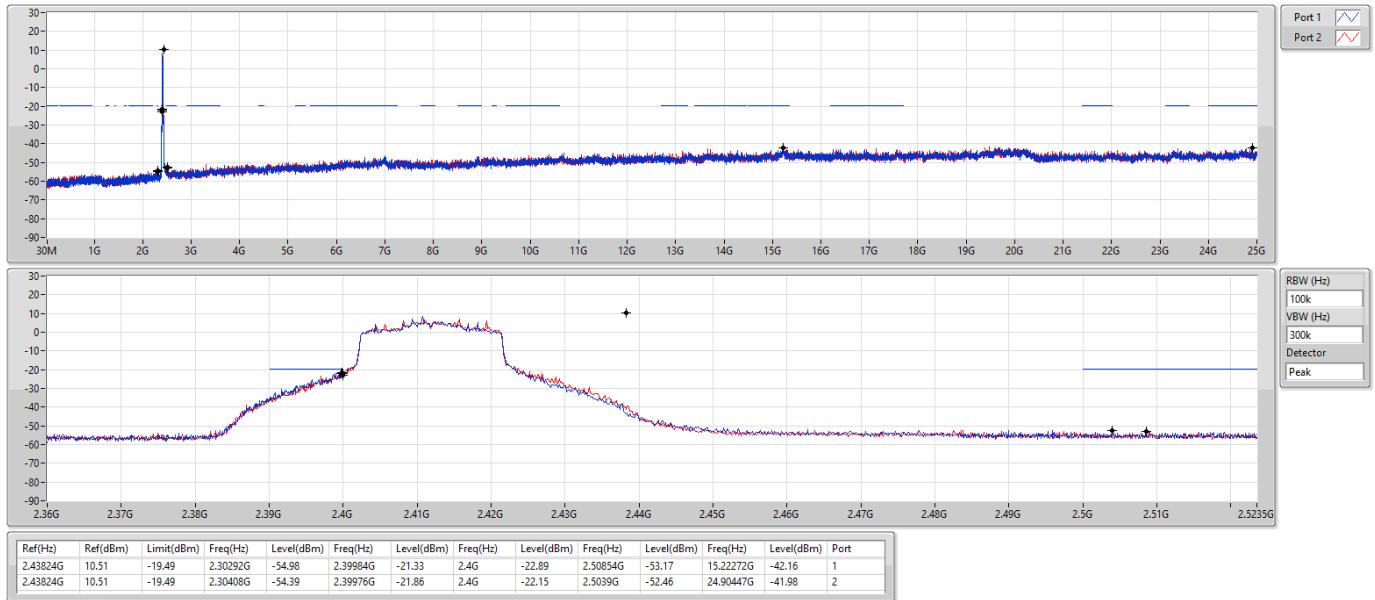
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	11.07	-18.93	2.16195G	-54.99	2.3968G	-53.52	2.4G	-55.38	2.50294G	-52.92	24.7359G	-42.68	1
2.43574G	11.07	-18.93	1.93128G	-55.57	2.39808G	-53.53	2.4G	-55.74	2.51398G	-53.13	15.21148G	-42.31	2

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz

CSENdB

10/06/2022

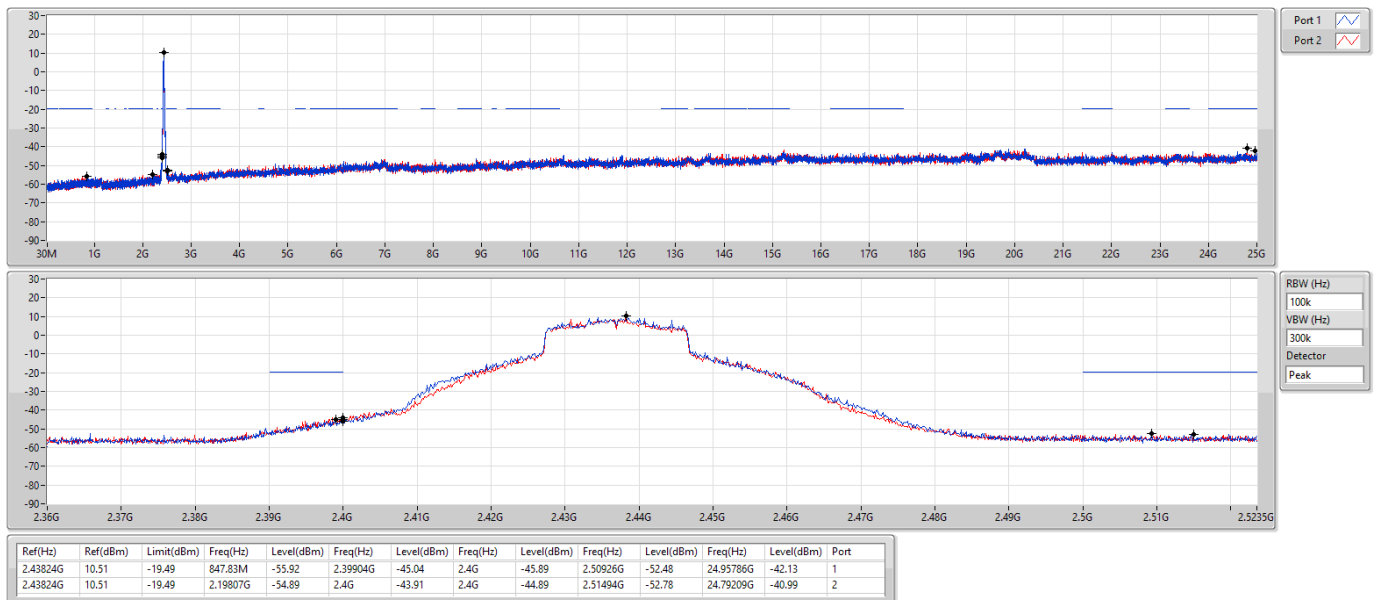


802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz

CSENdB

10/06/2022

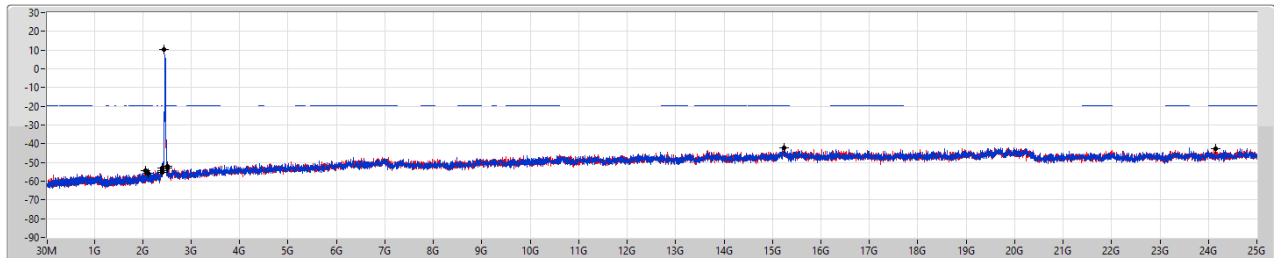


802.11ax HEW20_Nss1,(MCS0)_2TX

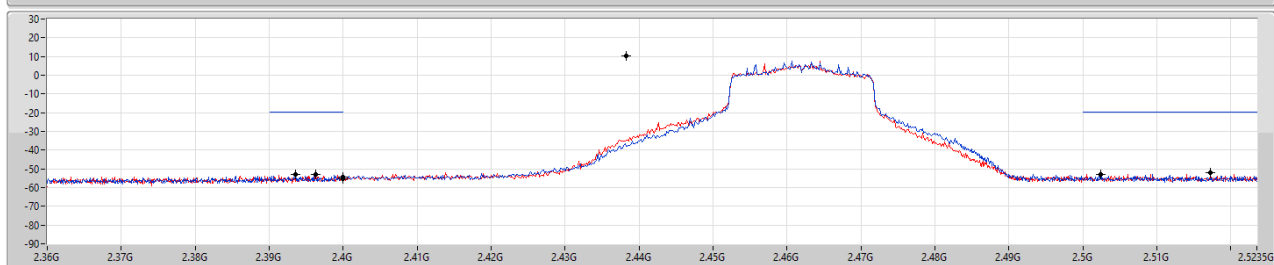
2462MHz

CSEndB

10/06/2022



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

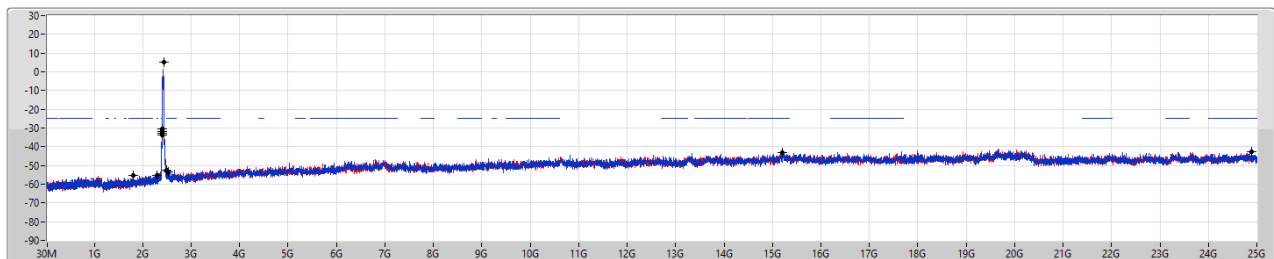
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	10.51	-19.49	2.11768G	-55.59	2.3936G	-53.19	2.4G	-54.56	2.50238G	-53.12	15.2452G	-42.30	1
2.43824G	10.51	-19.49	2.06293G	-54.45	2.39624G	-52.98	2.4G	-55.50	2.51726G	-52.15	24.14589G	-42.83	2

802.11ax HEW40_Nss1,(MCS0)_2TX

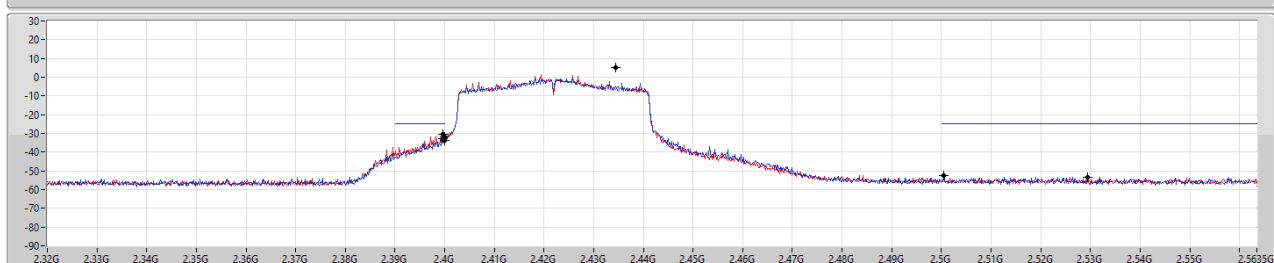
2422MHz

CSEndB

10/06/2022



Port 1
Port 2



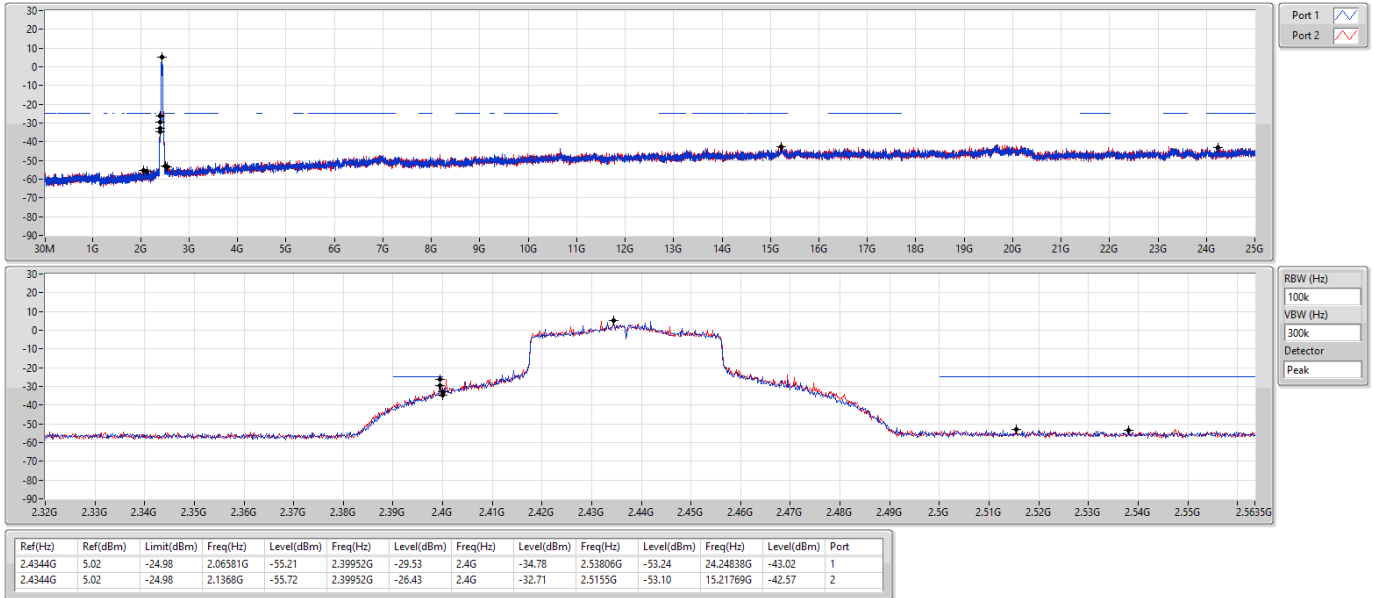
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.4344G	5.02	-24.98	1.80132G	-55.18	2.39968G	-32.95	2.4G	-33.56	2.50046G	-52.69	24.89904G	-42.45	1
2.4344G	5.02	-24.98	2.30054G	-55.10	2.39968G	-30.58	2.4G	-31.85	2.52942G	-53.51	15.20366G	-43.17	2

802.11ax HEW40_Nss1,(MCS0)_2TX

CSEndB

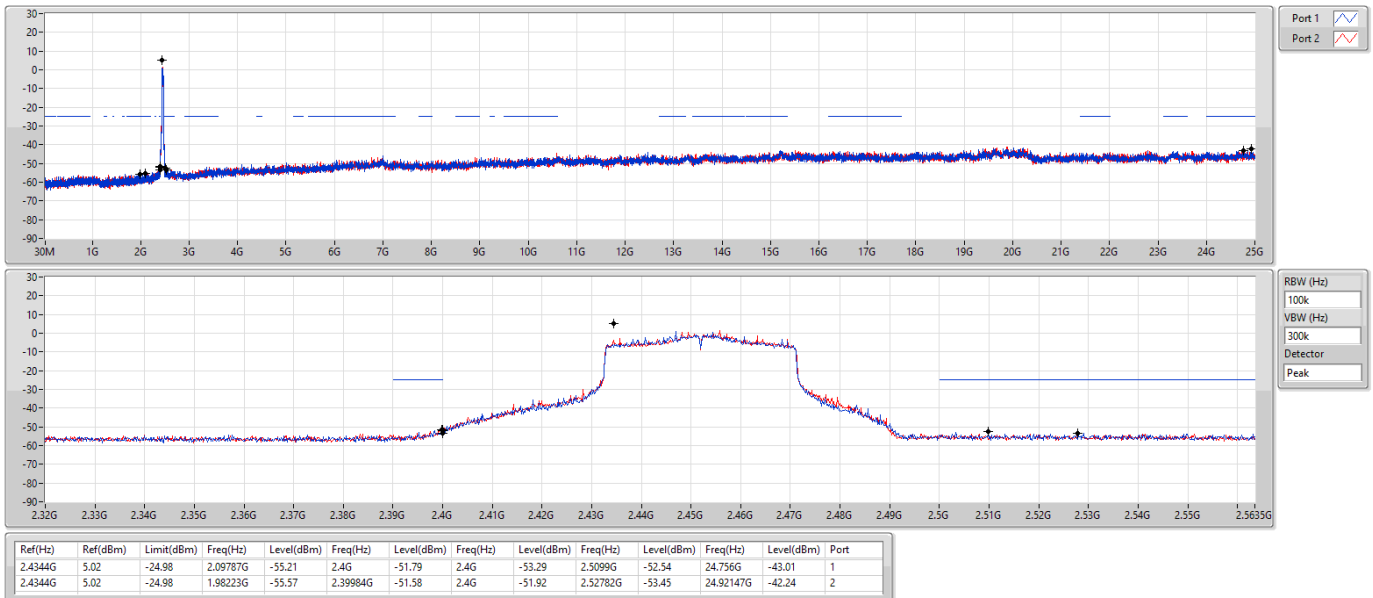
2437MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSEndB

2452MHz





Summary

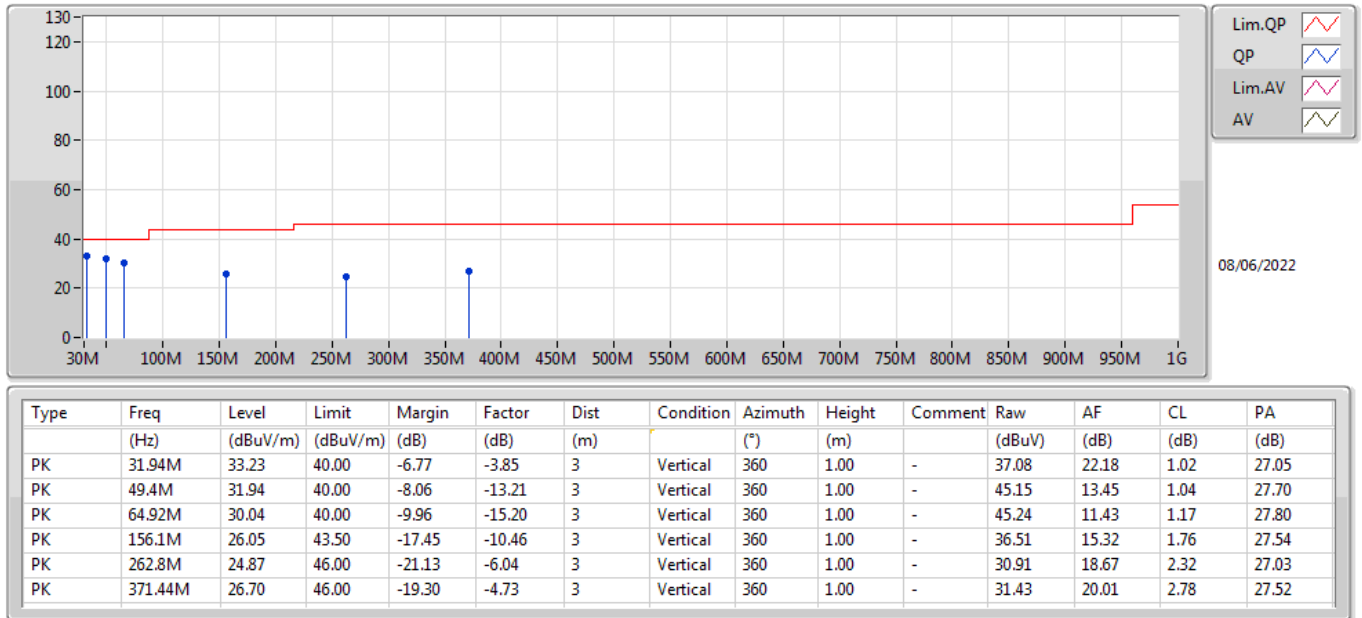
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	30M	35.08	40.00	-4.92	3	Horizontal	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	31.94M	33.23	40.00	-6.77	3	Vertical	360	1.00	-
2437MHz	Pass	PK	49.4M	31.94	40.00	-8.06	3	Vertical	360	1.00	-
2437MHz	Pass	PK	64.92M	30.04	40.00	-9.96	3	Vertical	360	1.00	-
2437MHz	Pass	PK	156.1M	26.05	43.50	-17.45	3	Vertical	360	1.00	-
2437MHz	Pass	PK	262.8M	24.87	46.00	-21.13	3	Vertical	360	1.00	-
2437MHz	Pass	PK	371.44M	26.70	46.00	-19.30	3	Vertical	360	1.00	-
2437MHz	Pass	PK	31.94M	32.13	40.00	-7.87	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	59.1M	27.12	40.00	-12.88	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	111.48M	25.83	43.50	-17.67	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	161.92M	27.07	43.50	-16.43	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	202.66M	25.83	43.50	-17.67	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	260.86M	29.18	46.00	-16.82	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	49.4M	33.05	40.00	-6.95	3	Vertical	0	1.00	-
2437MHz	Pass	PK	61.04M	28.86	40.00	-11.14	3	Vertical	0	1.00	-
2437MHz	Pass	PK	262.8M	23.78	46.00	-22.22	3	Vertical	0	1.00	-
2437MHz	Pass	PK	375.32M	26.15	46.00	-19.85	3	Vertical	0	1.00	-
2437MHz	Pass	PK	505.3M	28.89	46.00	-17.11	3	Vertical	0	1.00	-
2437MHz	Pass	PK	730.34M	36.35	46.00	-9.65	3	Vertical	0	1.00	-
2437MHz	Pass	PK	30M	33.16	40.00	-6.84	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	59.1M	26.40	40.00	-13.60	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	121.18M	22.65	43.50	-20.85	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	301.6M	24.59	46.00	-21.41	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	439.34M	28.55	46.00	-17.45	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	536.34M	30.35	46.00	-15.65	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	30M	31.43	40.00	-8.57	3	Vertical	360	1.00	-
2437MHz	Pass	PK	59.1M	34.55	40.00	-5.45	3	Vertical	360	1.00	-
2437MHz	Pass	PK	95.96M	30.63	43.50	-12.87	3	Vertical	360	1.00	-
2437MHz	Pass	PK	216M	23.95	43.50	-19.55	3	Vertical	360	1.00	-
2437MHz	Pass	PK	282.2M	26.96	46.00	-19.04	3	Vertical	360	1.00	-
2437MHz	Pass	PK	497.54M	28.95	46.00	-17.05	3	Vertical	360	1.00	-
2437MHz	Pass	PK	30M	35.08	40.00	-4.92	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	95.96M	31.40	43.50	-12.10	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	140.58M	30.37	43.50	-13.13	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	218.18M	29.55	46.00	-16.45	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	284.14M	29.42	46.00	-16.58	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	534.4M	29.44	46.00	-16.56	3	Horizontal	0	1.00	-

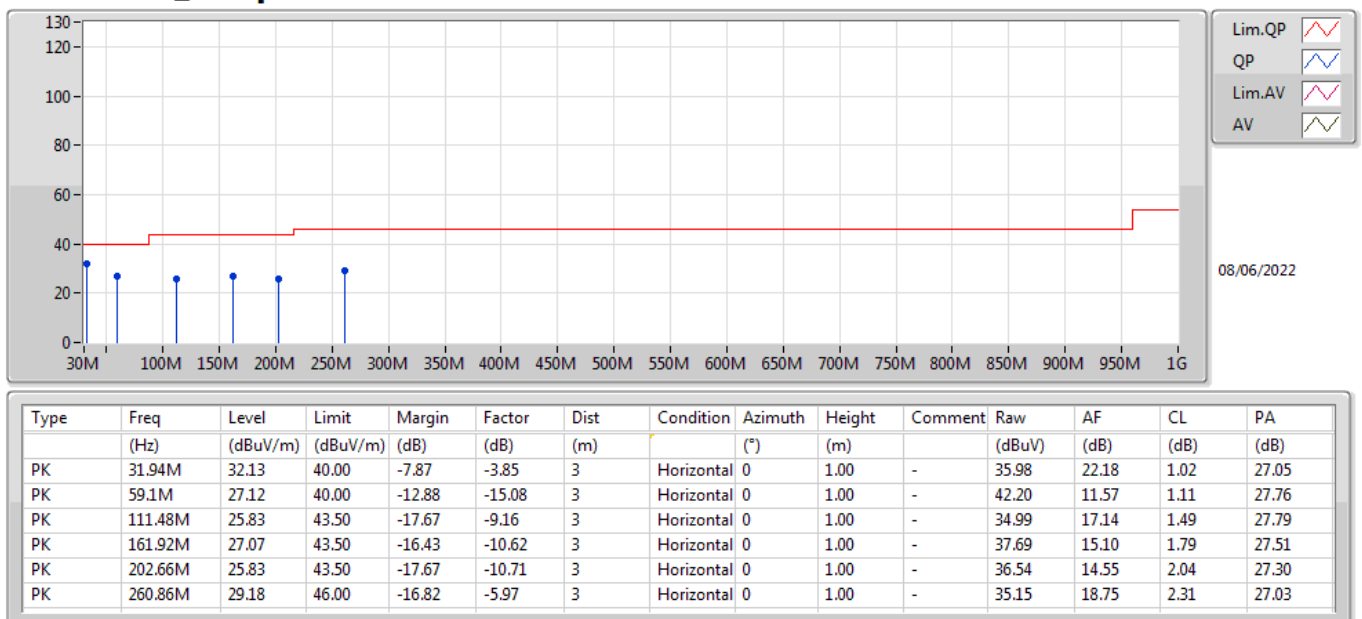
802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_Adapter



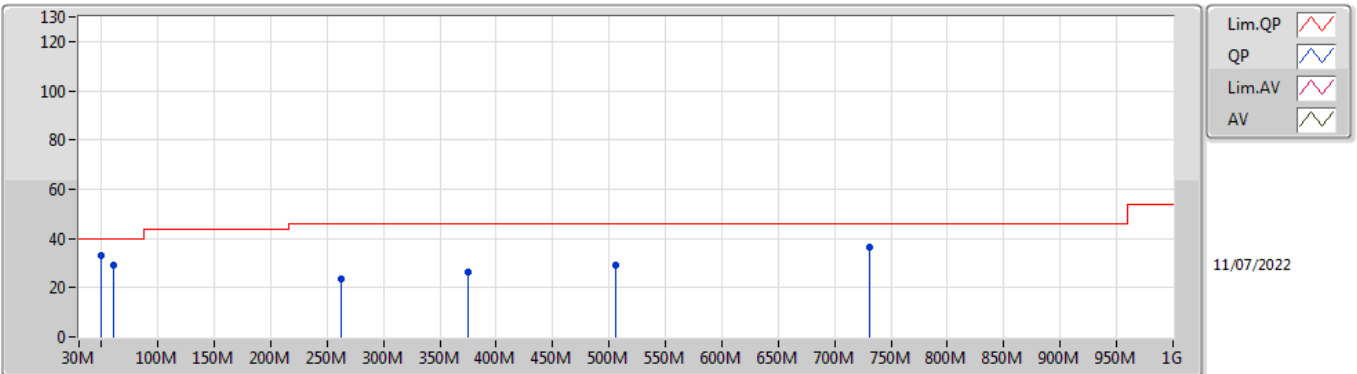
802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_Adapter



802.11ax HEW40_Nss1,(MCS0)_2TX

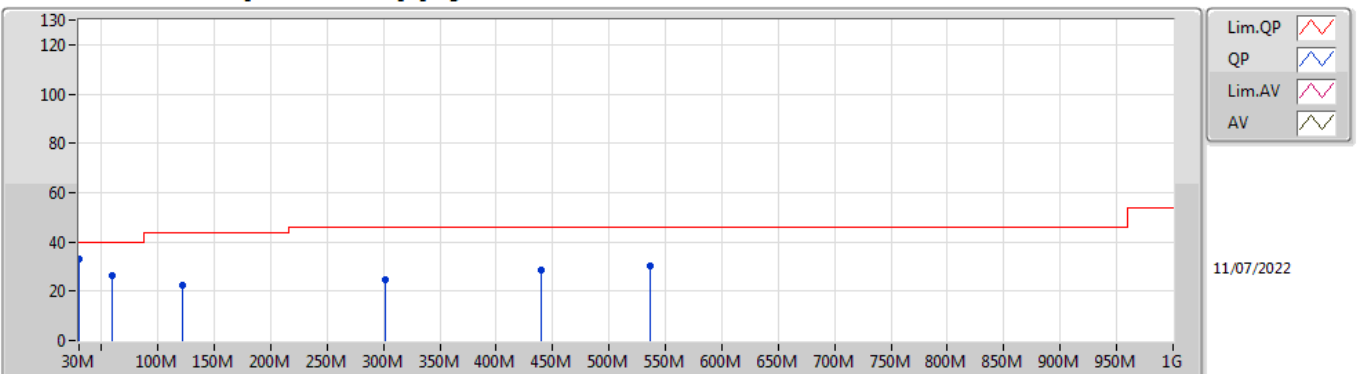
2437MHz_DC power supply



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	49.4M	33.05	40.00	-6.95	-12.90	3	Vertical	0	1.00	-	45.95	13.45	1.04	27.39
PK	61.04M	28.86	40.00	-11.14	-15.04	3	Vertical	0	1.00	-	43.90	11.52	1.13	27.69
PK	262.8M	23.78	46.00	-22.22	-6.18	3	Vertical	0	1.00	-	29.96	18.67	2.32	27.17
PK	375.32M	26.15	46.00	-19.85	-4.80	3	Vertical	0	1.00	-	30.95	20.07	2.80	27.67
PK	505.3M	28.89	46.00	-17.11	-2.33	3	Vertical	0	1.00	-	31.22	22.72	3.32	28.37
PK	730.34M	36.35	46.00	-9.65	0.31	3	Vertical	0	1.00	-	36.04	24.68	3.91	28.28

802.11ax HEW40_Nss1,(MCS0)_2TX

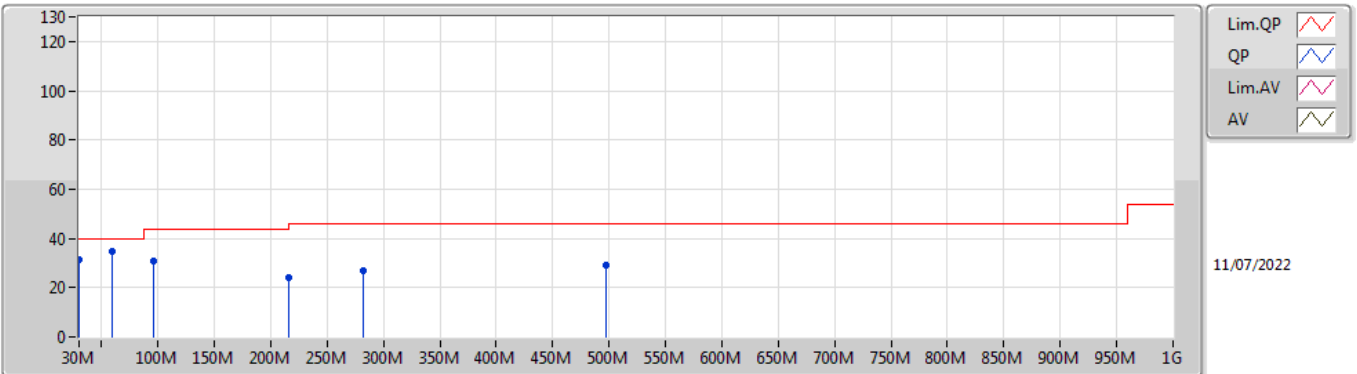
2437MHz_DC power supply



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	33.16	40.00	-6.84	-2.68	3	Horizontal	360	1.00	-	35.84	23.26	1.02	26.96
PK	59.1M	26.40	40.00	-13.60	-14.98	3	Horizontal	360	1.00	-	41.38	11.57	1.11	27.66
PK	121.18M	22.65	43.50	-20.85	-8.75	3	Horizontal	360	1.00	-	31.40	17.47	1.55	27.77
PK	301.6M	24.59	46.00	-21.41	-6.28	3	Horizontal	360	1.00	-	30.87	18.40	2.52	27.20
PK	439.34M	28.55	46.00	-17.45	-3.38	3	Horizontal	360	1.00	-	31.93	21.76	3.04	28.18
PK	536.34M	30.35	46.00	-15.65	-2.15	3	Horizontal	360	1.00	-	32.50	23.03	3.38	28.56

802.11ax HEW40_Nss1,(MCS0)_2TX

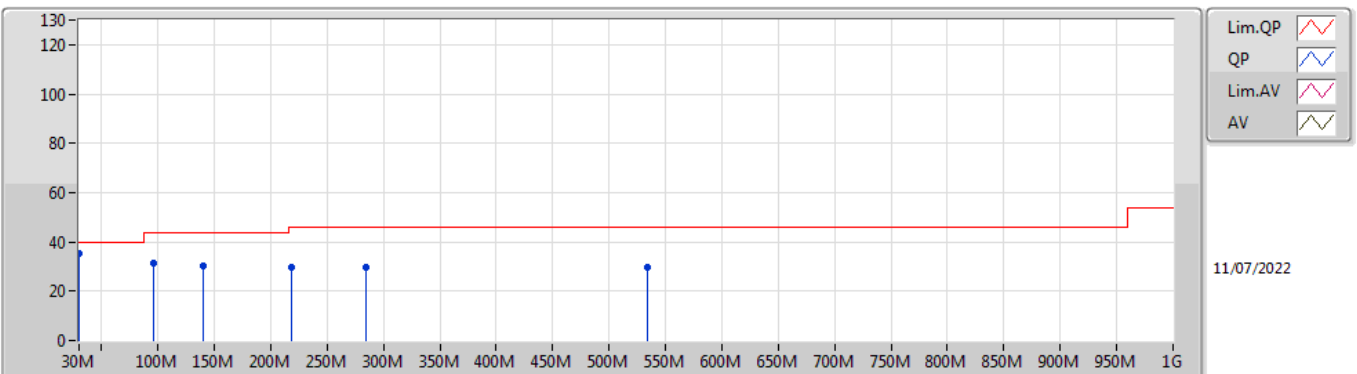
2437MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	31.43	40.00	-8.57	-2.71	3	Vertical	360	1.00	-	34.14	23.26	1.02	26.99
PK	59.1M	34.55	40.00	-5.45	-15.08	3	Vertical	360	1.00	-	49.63	11.57	1.11	27.76
PK	95.96M	30.63	43.50	-12.87	-11.00	3	Vertical	360	1.00	-	41.63	15.37	1.40	27.77
PK	216M	23.95	43.50	-19.55	-10.95	3	Vertical	360	1.00	-	34.90	14.17	2.10	27.22
PK	282.2M	26.96	46.00	-19.04	-6.59	3	Vertical	360	1.00	-	33.55	18.04	2.42	27.05
PK	497.54M	28.95	46.00	-17.05	-2.31	3	Vertical	360	1.00	-	31.26	22.73	3.30	28.34

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	35.08	40.00	-4.92	-2.71	3	Horizontal	0	1.00	-	37.79	23.26	1.02	26.99
PK	95.96M	31.40	43.50	-12.10	-11.00	3	Horizontal	0	1.00	-	42.40	15.37	1.40	27.77
PK	140.58M	30.37	43.50	-13.13	-9.58	3	Horizontal	0	1.00	-	39.95	16.35	1.67	27.60
PK	218.18M	29.55	46.00	-16.45	-10.81	3	Horizontal	0	1.00	-	40.36	14.29	2.11	27.21
PK	284.14M	29.42	46.00	-16.58	-6.55	3	Horizontal	0	1.00	-	35.97	18.07	2.43	27.05
PK	534.4M	29.44	46.00	-16.56	-2.01	3	Horizontal	0	1.00	-	31.45	22.94	3.38	28.33

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.4838G	52.55	54.00	-1.45	3	Horizontal	293	2.68	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.39G	53.83	54.00	-0.17	3	Horizontal	287	2.55	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.82	54.00	-0.18	3	Horizontal	291	2.80	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.3878G	53.71	54.00	-0.29	3	Horizontal	285	2.80	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3892G	50.78	54.00	-3.22	3	Vertical	254	1.02	-
2412MHz	Pass	AV	2.41G	112.81	Inf	-Inf	3	Vertical	254	1.02	-
2412MHz	Pass	PK	2.3866G	60.70	74.00	-13.30	3	Vertical	254	1.02	-
2412MHz	Pass	PK	2.413G	116.32	Inf	-Inf	3	Vertical	254	1.02	-
2412MHz	Pass	AV	2.3892G	52.03	54.00	-1.97	3	Horizontal	289	2.54	-
2412MHz	Pass	AV	2.414G	115.55	Inf	-Inf	3	Horizontal	289	2.54	-
2412MHz	Pass	PK	2.3888G	61.95	74.00	-12.05	3	Horizontal	289	2.54	-
2412MHz	Pass	PK	2.413G	119.00	Inf	-Inf	3	Horizontal	289	2.54	-
2412MHz	Pass	AV	4.82402G	38.69	54.00	-15.31	3	Vertical	180	1.44	-
2412MHz	Pass	PK	4.82397G	47.30	74.00	-26.70	3	Vertical	180	1.44	-
2412MHz	Pass	AV	4.82395G	35.04	54.00	-18.96	3	Horizontal	188	2.71	-
2412MHz	Pass	PK	4.82431G	46.20	74.00	-27.80	3	Horizontal	188	2.71	-
2417MHz	Pass	AV	2.3886G	51.73	54.00	-2.27	3	Vertical	258	1.00	-
2417MHz	Pass	AV	2.4162G	113.35	Inf	-Inf	3	Vertical	258	1.00	-
2417MHz	Pass	PK	2.3886G	61.85	74.00	-12.15	3	Vertical	258	1.00	-
2417MHz	Pass	PK	2.418G	117.21	Inf	-Inf	3	Vertical	258	1.00	-
2417MHz	Pass	AV	2.39G	52.50	54.00	-1.50	3	Horizontal	280	2.76	-
2417MHz	Pass	AV	2.4178G	115.97	Inf	-Inf	3	Horizontal	280	2.76	-
2417MHz	Pass	PK	2.3898G	62.37	74.00	-11.63	3	Horizontal	280	2.76	-
2417MHz	Pass	PK	2.418G	119.91	Inf	-Inf	3	Horizontal	280	2.76	-
2437MHz	Pass	AV	2.3866G	50.16	54.00	-3.84	3	Vertical	251	1.25	-
2437MHz	Pass	AV	2.4362G	113.31	Inf	-Inf	3	Vertical	251	1.25	-
2437MHz	Pass	AV	2.4878G	50.88	54.00	-3.12	3	Vertical	251	1.25	-
2437MHz	Pass	PK	2.3882G	60.26	74.00	-13.74	3	Vertical	251	1.25	-
2437MHz	Pass	PK	2.4378G	117.02	Inf	-Inf	3	Vertical	251	1.25	-
2437MHz	Pass	PK	2.4874G	61.62	74.00	-12.38	3	Vertical	251	1.25	-
2437MHz	Pass	AV	2.3866G	51.10	54.00	-2.90	3	Horizontal	287	2.76	-
2437MHz	Pass	AV	2.4362G	116.65	Inf	-Inf	3	Horizontal	287	2.76	-
2437MHz	Pass	AV	2.4874G	51.12	54.00	-2.88	3	Horizontal	287	2.76	-
2437MHz	Pass	PK	2.3874G	60.74	74.00	-13.26	3	Horizontal	287	2.76	-
2437MHz	Pass	PK	2.4378G	120.40	Inf	-Inf	3	Horizontal	287	2.76	-
2437MHz	Pass	PK	2.487G	61.55	74.00	-12.45	3	Horizontal	287	2.76	-
2437MHz	Pass	AV	4.87394G	44.46	54.00	-9.54	3	Vertical	329	1.00	-
2437MHz	Pass	PK	4.87394G	49.89	74.00	-24.11	3	Vertical	329	1.00	-
2437MHz	Pass	AV	4.87397G	39.07	54.00	-14.93	3	Horizontal	187	1.02	-
2437MHz	Pass	PK	4.87395G	47.85	74.00	-26.15	3	Horizontal	187	1.02	-
2457MHz	Pass	AV	2.4562G	114.52	Inf	-Inf	3	Vertical	251	1.00	-
2457MHz	Pass	AV	2.4854G	51.47	54.00	-2.53	3	Vertical	251	1.00	-
2457MHz	Pass	PK	2.456G	118.31	Inf	-Inf	3	Vertical	251	1.00	-
2457MHz	Pass	PK	2.4856G	61.91	74.00	-12.09	3	Vertical	251	1.00	-
2457MHz	Pass	AV	2.4562G	115.61	Inf	-Inf	3	Horizontal	293	2.68	-
2457MHz	Pass	AV	2.4838G	52.55	54.00	-1.45	3	Horizontal	293	2.68	-
2457MHz	Pass	PK	2.456G	119.38	Inf	-Inf	3	Horizontal	293	2.68	-
2457MHz	Pass	PK	2.484G	62.05	74.00	-11.95	3	Horizontal	293	2.68	-
2462MHz	Pass	AV	2.461G	113.86	Inf	-Inf	3	Vertical	248	1.00	-
2462MHz	Pass	AV	2.4835G	50.59	54.00	-3.41	3	Vertical	248	1.00	-
2462MHz	Pass	PK	2.463G	116.31	Inf	-Inf	3	Vertical	248	1.00	-
2462MHz	Pass	PK	2.4914G	60.36	74.00	-13.64	3	Vertical	248	1.00	-
2462MHz	Pass	AV	2.4612G	114.42	Inf	-Inf	3	Horizontal	292	3.00	-
2462MHz	Pass	AV	2.4835G	51.87	54.00	-2.13	3	Horizontal	292	3.00	-
2462MHz	Pass	PK	2.463G	118.16	Inf	-Inf	3	Horizontal	292	3.00	-
2462MHz	Pass	PK	2.4836G	61.49	74.00	-12.51	3	Horizontal	292	3.00	-
2462MHz	Pass	AV	4.924G	38.30	54.00	-15.70	3	Vertical	197	1.50	-
2462MHz	Pass	PK	4.92397G	47.34	74.00	-26.66	3	Vertical	197	1.50	-
2462MHz	Pass	AV	4.92395G	38.89	54.00	-15.11	3	Horizontal	188	1.11	-
2462MHz	Pass	PK	4.92396G	47.81	74.00	-26.19	3	Horizontal	188	1.11	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.15	54.00	-1.85	3	Vertical	253	1.07	-
2412MHz	Pass	AV	2.4114G	105.88	Inf	-Inf	3	Vertical	253	1.07	-
2412MHz	Pass	PK	2.39G	62.85	74.00	-11.15	3	Vertical	253	1.07	-

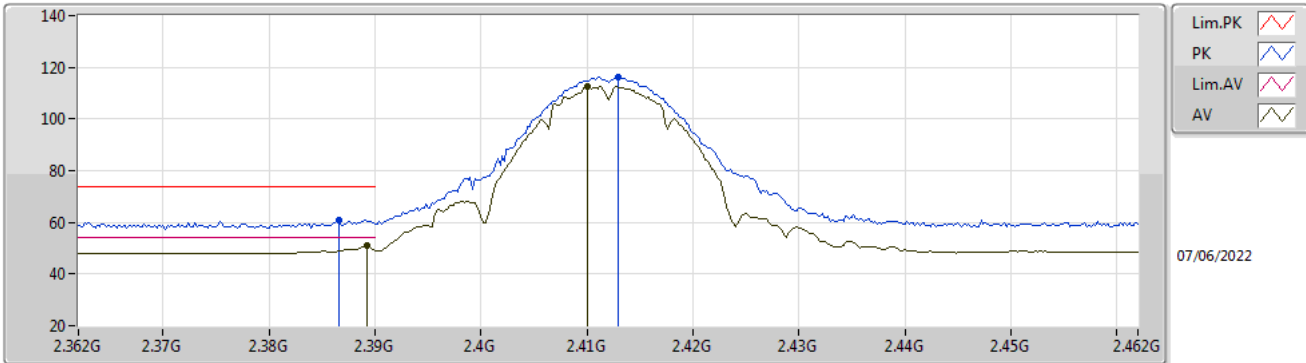
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.4114G	115.51	Inf	-Inf	3	Vertical	253	1.07	-
2412MHz	Pass	AV	2.39G	53.83	54.00	-0.17	3	Horizontal	287	2.55	-
2412MHz	Pass	AV	2.4116G	108.29	Inf	-Inf	3	Horizontal	287	2.55	-
2412MHz	Pass	PK	2.39G	65.00	74.00	-9.00	3	Horizontal	287	2.55	-
2412MHz	Pass	PK	2.4114G	118.18	Inf	-Inf	3	Horizontal	287	2.55	-
2412MHz	Pass	AV	4.82445G	32.02	54.00	-21.98	3	Vertical	360	1.01	-
2412MHz	Pass	PK	4.82495G	45.44	74.00	-28.56	3	Vertical	360	1.01	-
2412MHz	Pass	AV	4.82455G	31.97	54.00	-22.03	3	Horizontal	230	1.50	-
2412MHz	Pass	PK	4.82479G	45.17	74.00	-28.83	3	Horizontal	230	1.50	-
2417MHz	Pass	AV	2.3878G	51.33	54.00	-2.67	3	Vertical	254	1.02	-
2417MHz	Pass	AV	2.4166G	107.66	Inf	-Inf	3	Vertical	254	1.02	-
2417MHz	Pass	PK	2.3874G	63.84	74.00	-10.16	3	Vertical	254	1.02	-
2417MHz	Pass	PK	2.4164G	117.20	Inf	-Inf	3	Vertical	254	1.02	-
2417MHz	Pass	AV	2.3876G	52.71	54.00	-1.29	3	Horizontal	289	2.79	-
2417MHz	Pass	AV	2.4166G	110.65	Inf	-Inf	3	Horizontal	289	2.79	-
2417MHz	Pass	PK	2.388G	64.60	74.00	-9.40	3	Horizontal	289	2.79	-
2417MHz	Pass	PK	2.4164G	120.36	Inf	-Inf	3	Horizontal	289	2.79	-
2437MHz	Pass	AV	2.3898G	50.70	54.00	-3.30	3	Vertical	252	1.03	-
2437MHz	Pass	AV	2.4362G	108.00	Inf	-Inf	3	Vertical	252	1.03	-
2437MHz	Pass	AV	2.4854G	51.60	54.00	-2.40	3	Vertical	252	1.03	-
2437MHz	Pass	PK	2.3894G	62.40	74.00	-11.60	3	Vertical	252	1.03	-
2437MHz	Pass	PK	2.4362G	117.15	Inf	-Inf	3	Vertical	252	1.03	-
2437MHz	Pass	PK	2.4854G	63.81	74.00	-10.19	3	Vertical	252	1.03	-
2437MHz	Pass	AV	2.3898G	51.31	54.00	-2.69	3	Horizontal	281	2.76	-
2437MHz	Pass	AV	2.4362G	109.15	Inf	-Inf	3	Horizontal	281	2.76	-
2437MHz	Pass	AV	2.4854G	51.19	54.00	-2.81	3	Horizontal	281	2.76	-
2437MHz	Pass	PK	2.3894G	63.76	74.00	-10.24	3	Horizontal	281	2.76	-
2437MHz	Pass	PK	2.4362G	119.93	Inf	-Inf	3	Horizontal	281	2.76	-
2437MHz	Pass	PK	2.485G	62.86	74.00	-11.14	3	Horizontal	281	2.76	-
2437MHz	Pass	AV	4.875G	33.26	54.00	-20.74	3	Vertical	18	2.27	-
2437MHz	Pass	PK	4.87476G	46.20	74.00	-27.80	3	Vertical	18	2.27	-
2437MHz	Pass	AV	4.87478G	32.36	54.00	-21.64	3	Horizontal	54	2.44	-
2437MHz	Pass	PK	4.87488G	45.53	74.00	-28.47	3	Horizontal	54	2.44	-
2457MHz	Pass	AV	2.4562G	107.99	Inf	-Inf	3	Vertical	251	1.02	-
2457MHz	Pass	AV	2.4854G	51.80	54.00	-2.20	3	Vertical	251	1.02	-
2457MHz	Pass	PK	2.4564G	117.76	Inf	-Inf	3	Vertical	251	1.02	-
2457MHz	Pass	PK	2.4858G	64.58	74.00	-9.42	3	Vertical	251	1.02	-
2457MHz	Pass	AV	2.4562G	109.64	Inf	-Inf	3	Horizontal	283	3.00	-
2457MHz	Pass	AV	2.4835G	52.68	54.00	-1.32	3	Horizontal	283	3.00	-
2457MHz	Pass	PK	2.4564G	119.48	Inf	-Inf	3	Horizontal	283	3.00	-
2457MHz	Pass	PK	2.4874G	64.82	74.00	-9.18	3	Horizontal	283	3.00	-
2462MHz	Pass	AV	2.4614G	106.62	Inf	-Inf	3	Vertical	252	1.00	-
2462MHz	Pass	AV	2.4858G	52.06	54.00	-1.94	3	Vertical	252	1.00	-
2462MHz	Pass	PK	2.4614G	116.41	Inf	-Inf	3	Vertical	252	1.00	-
2462MHz	Pass	PK	2.486G	65.26	74.00	-8.74	3	Vertical	252	1.00	-
2462MHz	Pass	AV	2.4612G	108.11	Inf	-Inf	3	Horizontal	285	3.00	-
2462MHz	Pass	AV	2.4856G	52.12	54.00	-1.88	3	Horizontal	285	3.00	-
2462MHz	Pass	PK	2.4614G	118.04	Inf	-Inf	3	Horizontal	285	3.00	-
2462MHz	Pass	PK	2.486G	64.55	74.00	-9.45	3	Horizontal	285	3.00	-
2462MHz	Pass	AV	4.924G	32.77	54.00	-21.23	3	Vertical	0	1.42	-
2462MHz	Pass	PK	4.92396G	45.65	74.00	-28.35	3	Vertical	0	1.42	-
2462MHz	Pass	AV	4.92459G	32.42	54.00	-21.58	3	Horizontal	32	2.72	-
2462MHz	Pass	PK	4.92432G	45.52	74.00	-28.48	3	Horizontal	32	2.72	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.10	54.00	-0.90	3	Vertical	254	1.06	-
2412MHz	Pass	AV	2.4114G	104.39	Inf	-Inf	3	Vertical	254	1.06	-
2412MHz	Pass	PK	2.39G	66.02	74.00	-7.98	3	Vertical	254	1.06	-
2412MHz	Pass	PK	2.4112G	117.90	Inf	-Inf	3	Vertical	254	1.06	-
2412MHz	Pass	AV	2.39G	53.82	54.00	-0.18	3	Horizontal	291	2.80	-
2412MHz	Pass	AV	2.4114G	106.19	Inf	-Inf	3	Horizontal	291	2.80	-
2412MHz	Pass	PK	2.3898G	65.92	74.00	-8.08	3	Horizontal	291	2.80	-
2412MHz	Pass	PK	2.411G	119.39	Inf	-Inf	3	Horizontal	291	2.80	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	4.82415G	31.66	54.00	-22.34	3	Vertical	179	1.34	-
2412MHz	Pass	PK	4.82377G	45.93	74.00	-28.07	3	Vertical	179	1.34	-
2412MHz	Pass	AV	4.82312G	31.49	54.00	-22.51	3	Horizontal	0	1.50	-
2412MHz	Pass	PK	4.82341G	45.39	74.00	-28.61	3	Horizontal	0	1.50	-
2417MHz	Pass	AV	2.3898G	51.77	54.00	-2.23	3	Vertical	255	1.04	-
2417MHz	Pass	AV	2.4164G	107.00	Inf	-Inf	3	Vertical	255	1.04	-
2417MHz	Pass	PK	2.3896G	64.10	74.00	-9.90	3	Vertical	255	1.04	-
2417MHz	Pass	PK	2.4164G	119.84	Inf	-Inf	3	Vertical	255	1.04	-
2417MHz	Pass	AV	2.39G	53.70	54.00	-0.30	3	Horizontal	289	2.80	-
2417MHz	Pass	AV	2.4164G	109.87	Inf	-Inf	3	Horizontal	289	2.80	-
2417MHz	Pass	PK	2.3896G	67.68	74.00	-6.32	3	Horizontal	289	2.80	-
2417MHz	Pass	PK	2.4162G	123.15	Inf	-Inf	3	Horizontal	289	2.80	-
2437MHz	Pass	AV	2.3874G	51.61	54.00	-2.39	3	Vertical	255	1.03	-
2437MHz	Pass	AV	2.4366G	108.51	Inf	-Inf	3	Vertical	255	1.03	-
2437MHz	Pass	AV	2.4858G	52.14	54.00	-1.86	3	Vertical	255	1.03	-
2437MHz	Pass	PK	2.3874G	64.03	74.00	-9.97	3	Vertical	255	1.03	-
2437MHz	Pass	PK	2.4366G	120.48	Inf	-Inf	3	Vertical	255	1.03	-
2437MHz	Pass	PK	2.4846G	64.50	74.00	-9.50	3	Vertical	255	1.03	-
2437MHz	Pass	AV	2.3878G	52.98	54.00	-1.02	3	Horizontal	288	2.76	-
2437MHz	Pass	AV	2.4362G	111.16	Inf	-Inf	3	Horizontal	288	2.76	-
2437MHz	Pass	AV	2.4862G	52.15	54.00	-1.85	3	Horizontal	288	2.76	-
2437MHz	Pass	PK	2.3878G	66.64	74.00	-7.36	3	Horizontal	288	2.76	-
2437MHz	Pass	PK	2.4366G	123.34	Inf	-Inf	3	Horizontal	288	2.76	-
2437MHz	Pass	PK	2.4858G	64.46	74.00	-9.54	3	Horizontal	288	2.76	-
2437MHz	Pass	AV	4.874G	32.65	54.00	-21.35	3	Vertical	46	1.01	-
2437MHz	Pass	PK	4.87418G	46.43	74.00	-27.57	3	Vertical	46	1.01	-
2437MHz	Pass	AV	4.87351G	31.73	54.00	-22.27	3	Horizontal	81	1.01	-
2437MHz	Pass	PK	4.87463G	45.87	74.00	-28.13	3	Horizontal	81	1.01	-
2457MHz	Pass	AV	2.456G	106.48	Inf	-Inf	3	Vertical	256	1.00	-
2457MHz	Pass	AV	2.4835G	51.46	54.00	-2.54	3	Vertical	256	1.00	-
2457MHz	Pass	PK	2.4564G	119.47	Inf	-Inf	3	Vertical	256	1.00	-
2457MHz	Pass	PK	2.484G	64.93	74.00	-9.07	3	Vertical	256	1.00	-
2457MHz	Pass	AV	2.456G	108.57	Inf	-Inf	3	Horizontal	281	2.71	-
2457MHz	Pass	AV	2.4836G	52.22	54.00	-1.78	3	Horizontal	281	2.71	-
2457MHz	Pass	PK	2.4564G	121.59	Inf	-Inf	3	Horizontal	281	2.71	-
2457MHz	Pass	PK	2.4846G	67.15	74.00	-6.85	3	Horizontal	281	2.71	-
2462MHz	Pass	AV	2.4614G	104.86	Inf	-Inf	3	Vertical	255	1.00	-
2462MHz	Pass	AV	2.4835G	51.48	54.00	-2.52	3	Vertical	255	1.00	-
2462MHz	Pass	PK	2.4614G	118.75	Inf	-Inf	3	Vertical	255	1.00	-
2462MHz	Pass	PK	2.4835G	63.68	74.00	-10.32	3	Vertical	255	1.00	-
2462MHz	Pass	AV	2.4614G	107.13	Inf	-Inf	3	Horizontal	286	3.00	-
2462MHz	Pass	AV	2.4835G	52.79	54.00	-1.21	3	Horizontal	286	3.00	-
2462MHz	Pass	PK	2.4612G	120.43	Inf	-Inf	3	Horizontal	286	3.00	-
2462MHz	Pass	PK	2.4835G	64.72	74.00	-9.28	3	Horizontal	286	3.00	-
2462MHz	Pass	AV	4.924G	32.16	54.00	-21.84	3	Vertical	0	1.50	-
2462MHz	Pass	PK	4.92384G	45.48	74.00	-28.52	3	Vertical	0	1.50	-
2462MHz	Pass	AV	4.92493G	31.81	54.00	-22.19	3	Horizontal	186	1.42	-
2462MHz	Pass	PK	4.9245G	45.23	74.00	-28.77	3	Horizontal	186	1.42	-
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	51.86	54.00	-2.14	3	Vertical	251	1.00	-
2422MHz	Pass	AV	2.4212G	99.45	Inf	-Inf	3	Vertical	251	1.00	-
2422MHz	Pass	AV	2.5G	48.41	54.00	-5.59	3	Vertical	251	1.00	-
2422MHz	Pass	PK	2.39G	63.62	74.00	-10.38	3	Vertical	251	1.00	-
2422MHz	Pass	PK	2.4212G	112.17	Inf	-Inf	3	Vertical	251	1.00	-
2422MHz	Pass	PK	2.5G	60.44	74.00	-13.56	3	Vertical	251	1.00	-
2422MHz	Pass	AV	2.39G	53.54	54.00	-0.46	3	Horizontal	284	2.78	-
2422MHz	Pass	AV	2.4212G	102.87	Inf	-Inf	3	Horizontal	284	2.78	-
2422MHz	Pass	AV	2.4872G	48.35	54.00	-5.65	3	Horizontal	284	2.78	-
2422MHz	Pass	PK	2.39G	66.23	74.00	-7.77	3	Horizontal	284	2.78	-
2422MHz	Pass	PK	2.4232G	116.04	Inf	-Inf	3	Horizontal	284	2.78	-
2422MHz	Pass	PK	2.4996G	59.80	74.00	-14.20	3	Horizontal	284	2.78	-
2422MHz	Pass	AV	4.84472G	31.57	54.00	-22.43	3	Vertical	333	1.70	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	PK	4.84742G	44.90	74.00	-29.10	3	Vertical	333	1.70	-
2422MHz	Pass	AV	4.84548G	31.38	54.00	-22.62	3	Horizontal	86	2.24	-
2422MHz	Pass	PK	4.84476G	45.30	74.00	-28.70	3	Horizontal	86	2.24	-
2427MHz	Pass	AV	2.3878G	51.84	54.00	-2.16	3	Vertical	257	1.04	-
2427MHz	Pass	AV	2.4262G	101.25	Inf	-Inf	3	Vertical	257	1.04	-
2427MHz	Pass	AV	2.485G	48.46	54.00	-5.54	3	Vertical	257	1.04	-
2427MHz	Pass	PK	2.389G	65.40	74.00	-8.60	3	Vertical	257	1.04	-
2427MHz	Pass	PK	2.4262G	113.68	Inf	-Inf	3	Vertical	257	1.04	-
2427MHz	Pass	PK	2.497G	60.27	74.00	-13.73	3	Vertical	257	1.04	-
2427MHz	Pass	AV	2.3878G	53.71	54.00	-0.29	3	Horizontal	285	2.80	-
2427MHz	Pass	AV	2.4262G	104.96	Inf	-Inf	3	Horizontal	285	2.80	-
2427MHz	Pass	AV	2.4998G	48.41	54.00	-5.59	3	Horizontal	285	2.80	-
2427MHz	Pass	PK	2.3882G	67.69	74.00	-6.31	3	Horizontal	285	2.80	-
2427MHz	Pass	PK	2.4278G	117.72	Inf	-Inf	3	Horizontal	285	2.80	-
2427MHz	Pass	PK	2.4838G	60.78	74.00	-13.22	3	Horizontal	285	2.80	-
2437MHz	Pass	AV	2.3882G	49.46	54.00	-4.54	3	Vertical	254	1.04	-
2437MHz	Pass	AV	2.4362G	103.14	Inf	-Inf	3	Vertical	254	1.04	-
2437MHz	Pass	AV	2.485G	50.67	54.00	-3.33	3	Vertical	254	1.04	-
2437MHz	Pass	PK	2.387G	61.17	74.00	-12.83	3	Vertical	254	1.04	-
2437MHz	Pass	PK	2.4354G	116.15	Inf	-Inf	3	Vertical	254	1.04	-
2437MHz	Pass	PK	2.4862G	62.69	74.00	-11.31	3	Vertical	254	1.04	-
2437MHz	Pass	AV	2.3882G	50.43	54.00	-3.57	3	Horizontal	285	2.76	-
2437MHz	Pass	AV	2.4362G	106.33	Inf	-Inf	3	Horizontal	285	2.76	-
2437MHz	Pass	AV	2.4842G	50.93	54.00	-3.07	3	Horizontal	285	2.76	-
2437MHz	Pass	PK	2.3882G	62.65	74.00	-11.35	3	Horizontal	285	2.76	-
2437MHz	Pass	PK	2.4358G	119.10	Inf	-Inf	3	Horizontal	285	2.76	-
2437MHz	Pass	PK	2.4846G	63.20	74.00	-10.80	3	Horizontal	285	2.76	-
2437MHz	Pass	AV	4.87392G	32.00	54.00	-22.00	3	Vertical	48	1.01	-
2437MHz	Pass	PK	4.879G	46.36	74.00	-27.64	3	Vertical	48	1.01	-
2437MHz	Pass	AV	4.87398G	31.72	54.00	-22.28	3	Horizontal	54	1.00	-
2437MHz	Pass	PK	4.87399G	46.16	74.00	-27.84	3	Horizontal	54	1.00	-
2447MHz	Pass	AV	2.3886G	47.89	54.00	-6.11	3	Vertical	253	1.06	-
2447MHz	Pass	AV	2.4462G	103.07	Inf	-Inf	3	Vertical	253	1.06	-
2447MHz	Pass	AV	2.4866G	53.09	54.00	-0.91	3	Vertical	253	1.06	-
2447MHz	Pass	PK	2.3514G	59.77	74.00	-14.23	3	Vertical	253	1.06	-
2447MHz	Pass	PK	2.4454G	116.53	Inf	-Inf	3	Vertical	253	1.06	-
2447MHz	Pass	PK	2.4835G	68.77	74.00	-5.23	3	Vertical	253	1.06	-
2447MHz	Pass	AV	2.3898G	48.07	54.00	-5.93	3	Horizontal	284	2.76	-
2447MHz	Pass	AV	2.4458G	105.31	Inf	-Inf	3	Horizontal	284	2.76	-
2447MHz	Pass	AV	2.487G	53.06	54.00	-0.94	3	Horizontal	284	2.76	-
2447MHz	Pass	PK	2.3542G	60.05	74.00	-13.95	3	Horizontal	284	2.76	-
2447MHz	Pass	PK	2.4458G	118.26	Inf	-Inf	3	Horizontal	284	2.76	-
2447MHz	Pass	PK	2.4835G	68.26	74.00	-5.74	3	Horizontal	284	2.76	-
2452MHz	Pass	AV	2.3564G	47.89	54.00	-6.11	3	Vertical	249	1.08	-
2452MHz	Pass	AV	2.4508G	100.35	Inf	-Inf	3	Vertical	249	1.08	-
2452MHz	Pass	AV	2.4835G	50.09	54.00	-3.91	3	Vertical	249	1.08	-
2452MHz	Pass	PK	2.3716G	59.94	74.00	-14.06	3	Vertical	249	1.08	-
2452MHz	Pass	PK	2.4512G	112.32	Inf	-Inf	3	Vertical	249	1.08	-
2452MHz	Pass	PK	2.4852G	65.20	74.00	-8.80	3	Vertical	249	1.08	-
2452MHz	Pass	AV	2.3872G	47.90	54.00	-6.10	3	Horizontal	283	2.75	-
2452MHz	Pass	AV	2.4512G	103.10	Inf	-Inf	3	Horizontal	283	2.75	-
2452MHz	Pass	AV	2.484G	50.38	54.00	-3.62	3	Horizontal	283	2.75	-
2452MHz	Pass	PK	2.386G	59.37	74.00	-14.63	3	Horizontal	283	2.75	-
2452MHz	Pass	PK	2.4504G	115.58	Inf	-Inf	3	Horizontal	283	2.75	-
2452MHz	Pass	PK	2.484G	63.33	74.00	-10.67	3	Horizontal	283	2.75	-
2452MHz	Pass	AV	4.90377G	32.24	54.00	-21.76	3	Vertical	0	1.50	-
2452MHz	Pass	PK	4.90469G	45.91	74.00	-28.09	3	Vertical	0	1.50	-
2452MHz	Pass	AV	4.90376G	31.89	54.00	-22.11	3	Horizontal	48	2.44	-
2452MHz	Pass	PK	4.9043G	46.02	74.00	-27.98	3	Horizontal	48	2.44	-

802.11b_Nss1,(1Mbps)_2TX

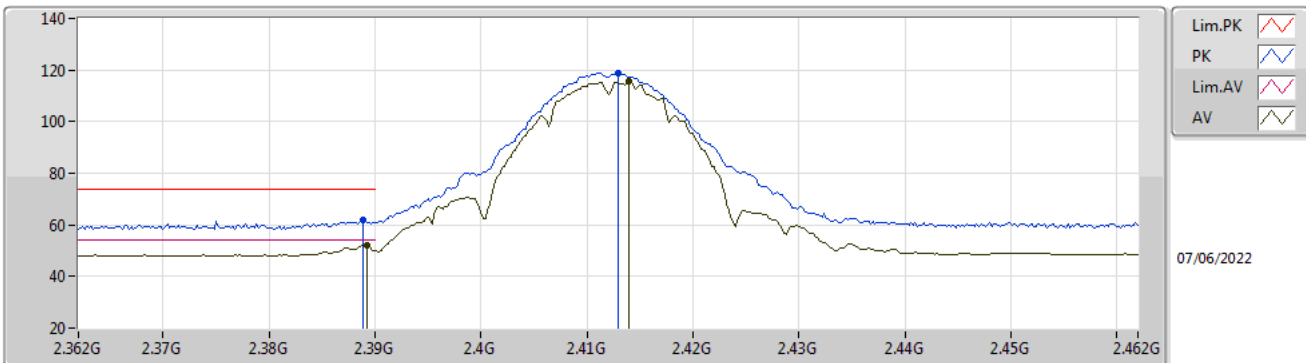
2412MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3892G	50.78	54.00	-3.22	15.22	3	Vertical	254	1.02	-	27.28	8.28	-
AV	2.41G	112.81	Inf	-Inf	77.17	3	Vertical	254	1.02	-	27.34	8.30	-
PK	2.3866G	60.70	74.00	-13.30	25.15	3	Vertical	254	1.02	-	27.27	8.28	-
PK	2.413G	116.32	Inf	-Inf	80.67	3	Vertical	254	1.02	-	27.35	8.30	-

802.11b_Nss1,(1Mbps)_2TX

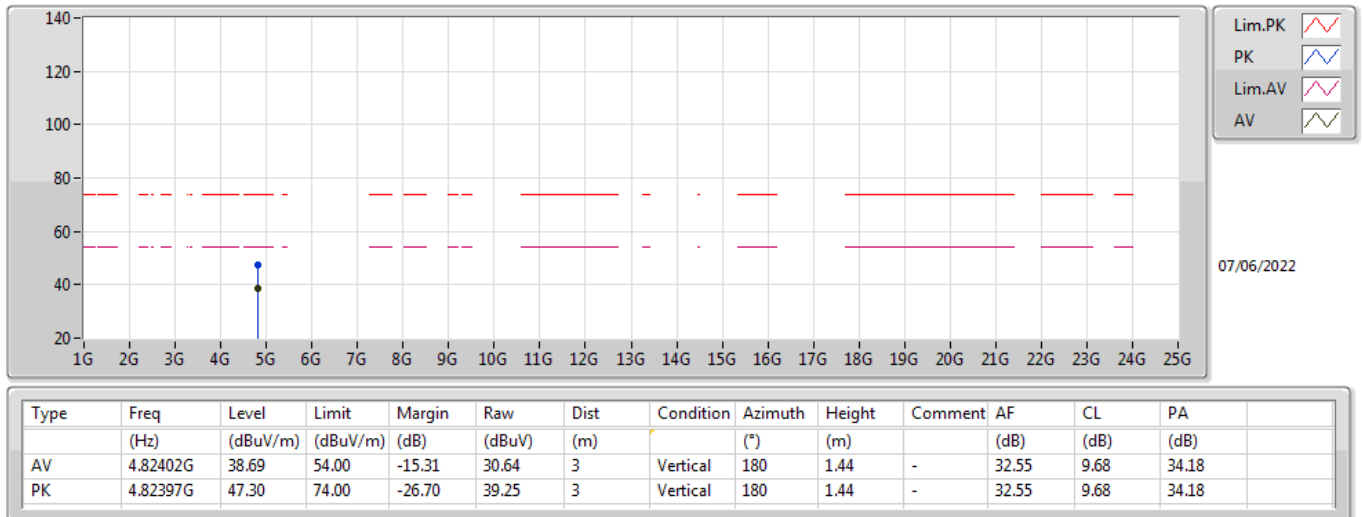
2412MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3892G	52.03	54.00	-1.97	16.47	3	Horizontal	289	2.54	-	27.28	8.28	-
AV	2.414G	115.55	Inf	-Inf	79.89	3	Horizontal	289	2.54	-	27.36	8.30	-
PK	2.3888G	61.95	74.00	-12.05	26.39	3	Horizontal	289	2.54	-	27.28	8.28	-
PK	2.413G	119.00	Inf	-Inf	83.35	3	Horizontal	289	2.54	-	27.35	8.30	-

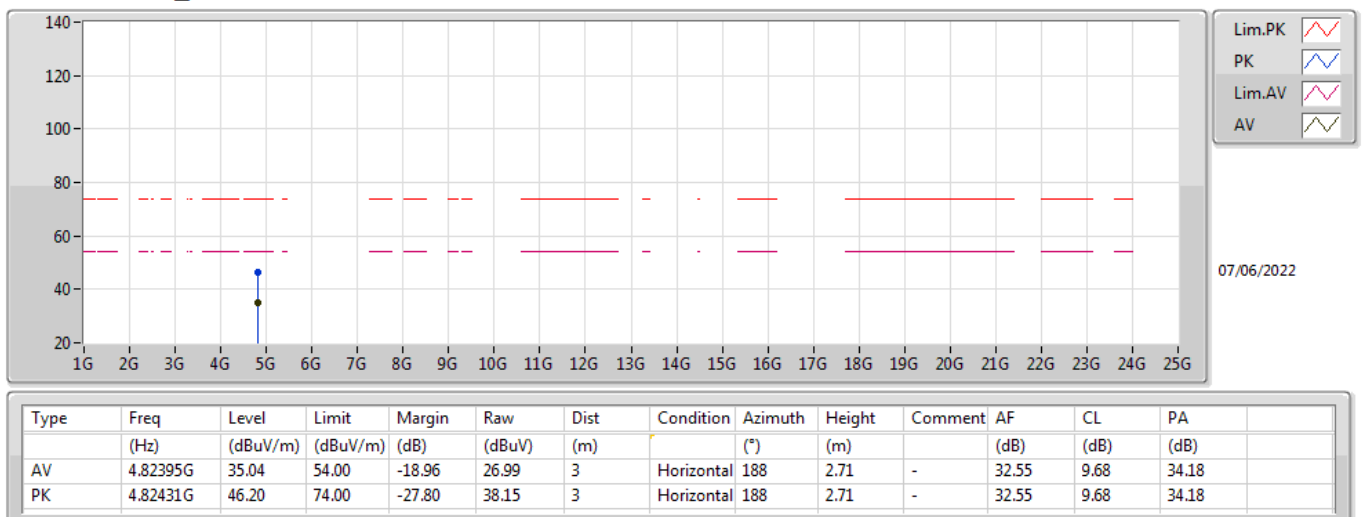
802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX



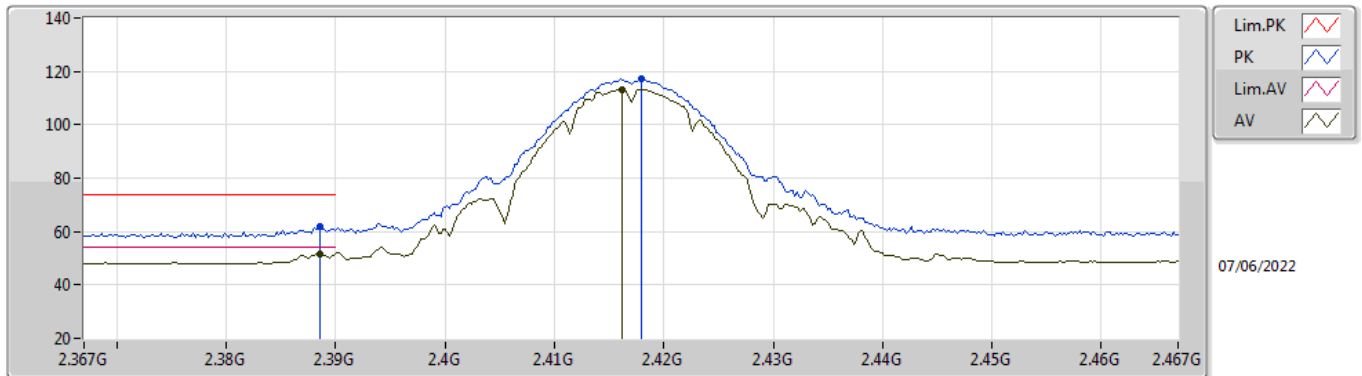
802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX



802.11b_Nss1,(1Mbps)_2TX

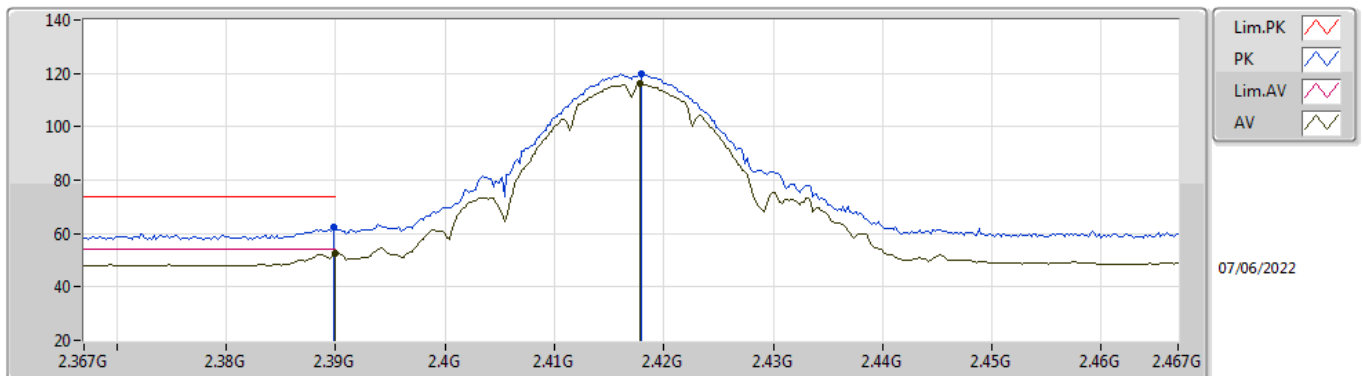
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.3886G	51.73	54.00	-2.27	16.17	3	Vertical	258	1.00	-	27.28	8.28	-
AV	2.4162G	113.35	Inf	-Inf	77.69	3	Vertical	258	1.00	-	27.36	8.30	-
PK	2.3886G	61.85	74.00	-12.15	26.29	3	Vertical	258	1.00	-	27.28	8.28	-
PK	2.418G	117.21	Inf	-Inf	81.54	3	Vertical	258	1.00	-	27.37	8.30	-

802.11b_Nss1,(1Mbps)_2TX

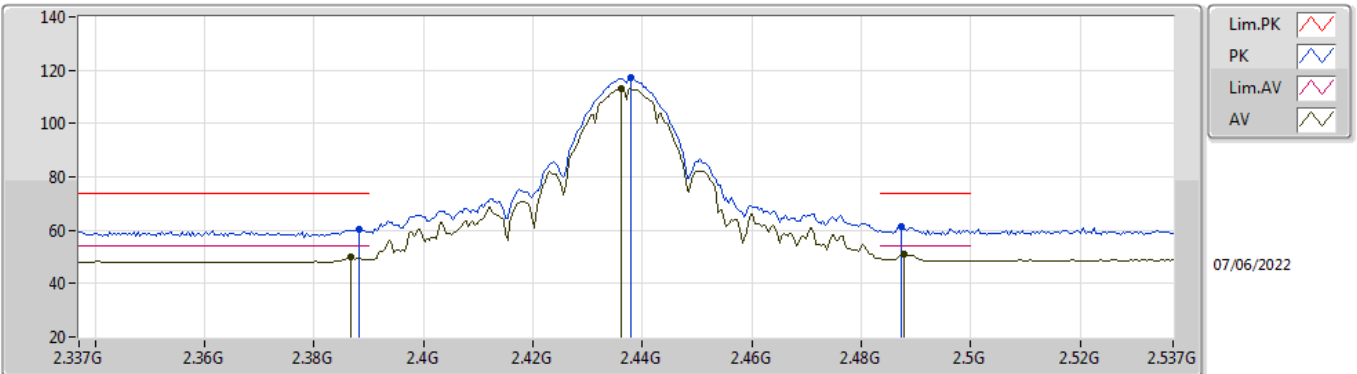
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.50	54.00	-1.50	16.94	3	Horizontal	280	2.76	-	27.28	8.28	-
AV	2.4178G	115.97	Inf	-Inf	80.30	3	Horizontal	280	2.76	-	27.37	8.30	-
PK	2.3898G	62.37	74.00	-11.63	26.81	3	Horizontal	280	2.76	-	27.28	8.28	-
PK	2.418G	119.91	Inf	-Inf	84.24	3	Horizontal	280	2.76	-	27.37	8.30	-

802.11b_Nss1,(1Mbps)_2TX

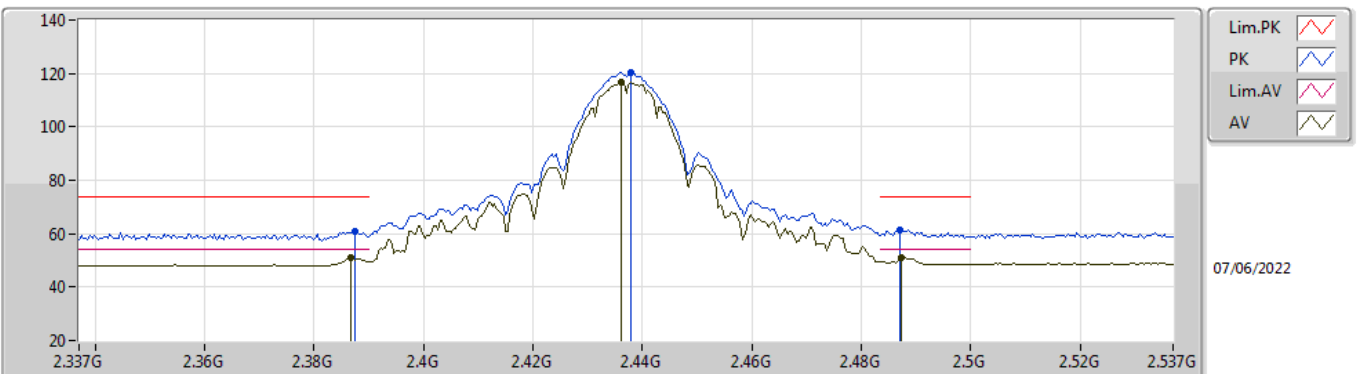
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3866G	50.16	54.00	-3.84	14.61	3	Vertical	251	1.25	-	27.27	8.28	-
AV	2.4362G	113.31	Inf	-Inf	77.56	3	Vertical	251	1.25	-	27.44	8.31	-
AV	2.4878G	50.88	54.00	-3.12	14.80	3	Vertical	251	1.25	-	27.73	8.35	-
PK	2.3882G	60.26	74.00	-13.74	24.70	3	Vertical	251	1.25	-	27.28	8.28	-
PK	2.4378G	117.02	Inf	-Inf	81.26	3	Vertical	251	1.25	-	27.45	8.31	-
PK	2.4874G	61.62	74.00	-12.38	25.55	3	Vertical	251	1.25	-	27.72	8.35	-

802.11b_Nss1,(1Mbps)_2TX

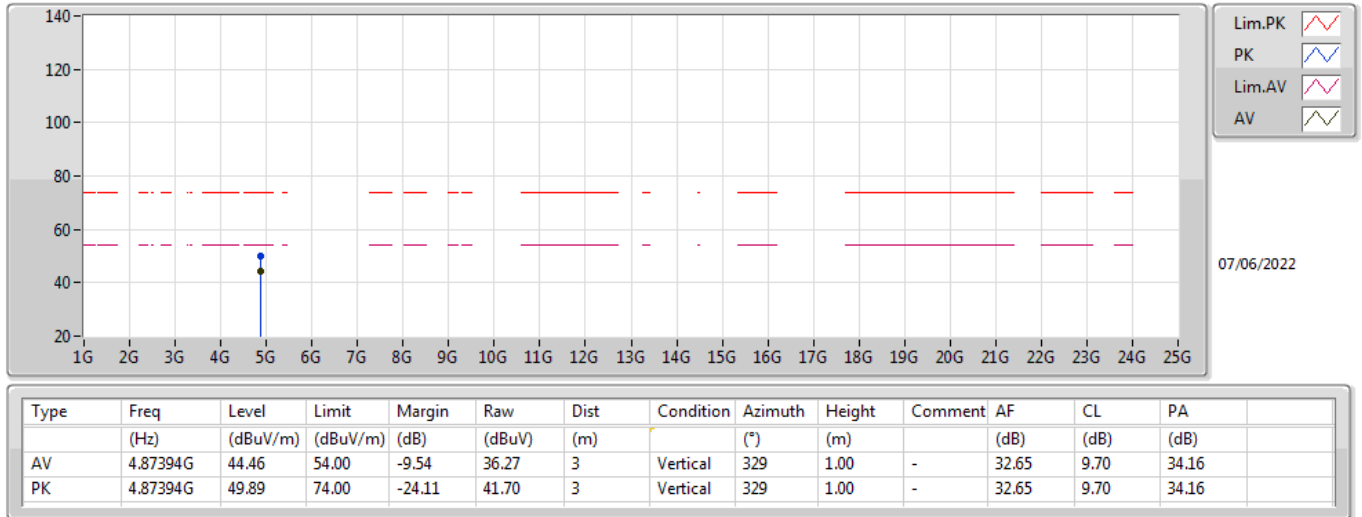
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3866G	51.10	54.00	-2.90	15.55	3	Horizontal	287	2.76	-	27.27	8.28	-
AV	2.4362G	116.65	Inf	-Inf	80.90	3	Horizontal	287	2.76	-	27.44	8.31	-
AV	2.4874G	51.12	54.00	-2.88	15.05	3	Horizontal	287	2.76	-	27.72	8.35	-
PK	2.3874G	60.74	74.00	-13.26	25.19	3	Horizontal	287	2.76	-	27.27	8.28	-
PK	2.4378G	120.40	Inf	-Inf	84.64	3	Horizontal	287	2.76	-	27.45	8.31	-
PK	2.487G	61.55	74.00	-12.45	25.48	3	Horizontal	287	2.76	-	27.72	8.35	-

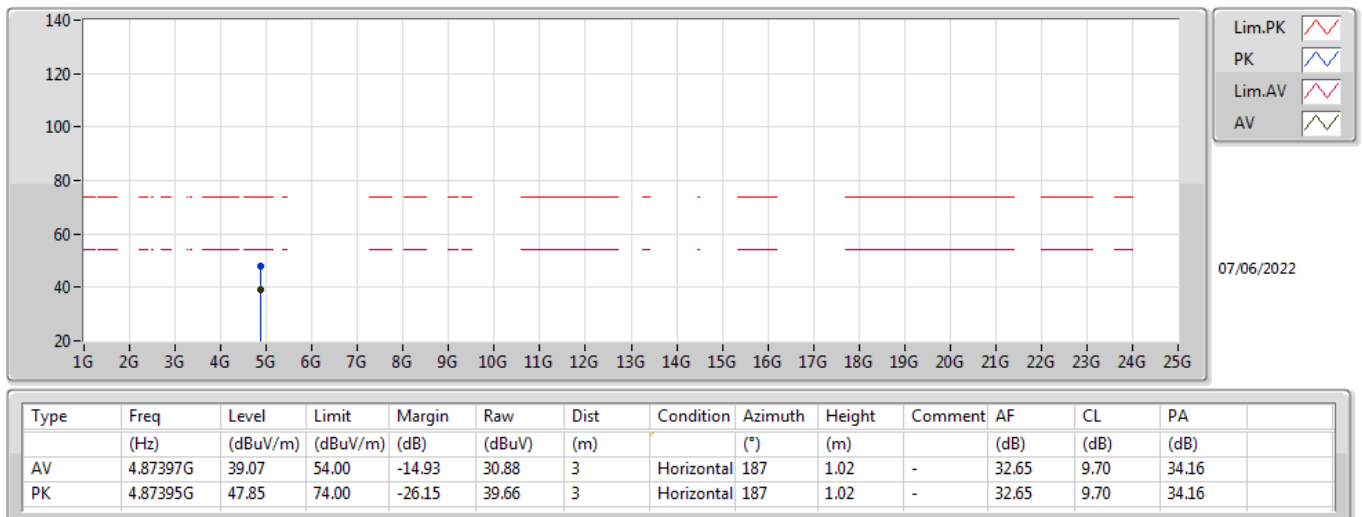
802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX



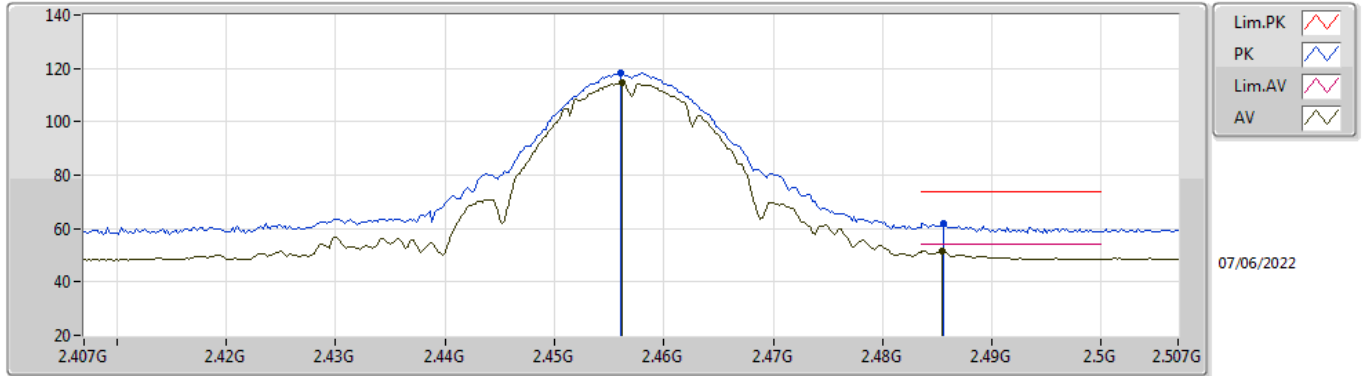
802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX



802.11b_Nss1,(1Mbps)_2TX

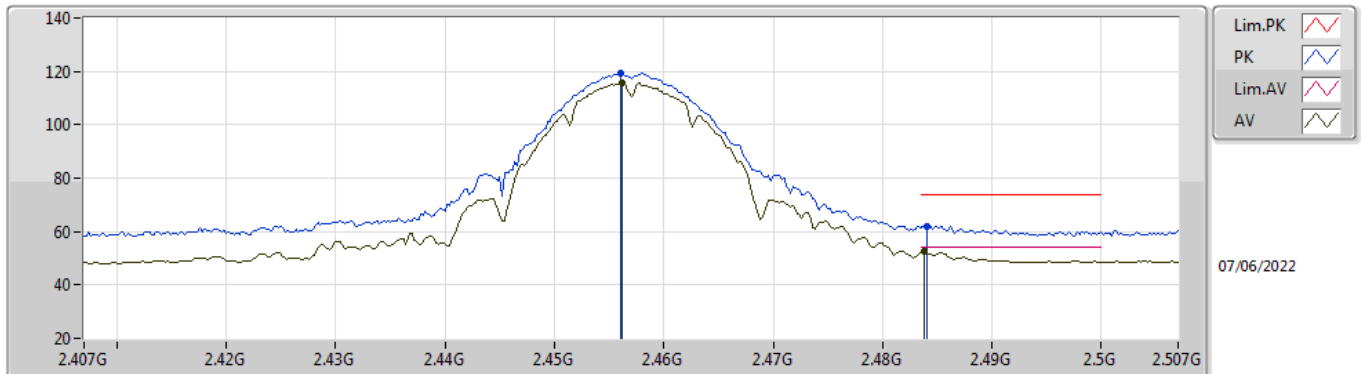
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	114.52	Inf	-Inf	78.65	3	Vertical	251	1.00	-	27.54	8.33	-
AV	2.4854G	51.47	54.00	-2.53	15.41	3	Vertical	251	1.00	-	27.71	8.35	-
PK	2.456G	118.31	Inf	-Inf	82.44	3	Vertical	251	1.00	-	27.54	8.33	-
PK	2.4856G	61.91	74.00	-12.09	25.85	3	Vertical	251	1.00	-	27.71	8.35	-

802.11b_Nss1,(1Mbps)_2TX

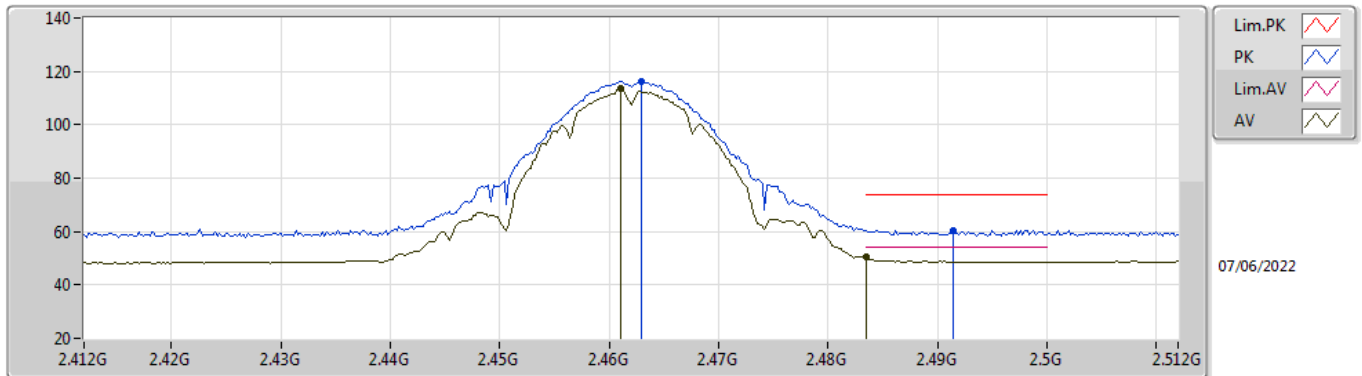
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	115.61	Inf	-Inf	79.74	3	Horizontal	293	2.68	-	27.54	8.33	-
AV	2.4838G	52.55	54.00	-1.45	16.51	3	Horizontal	293	2.68	-	27.70	8.34	-
PK	2.456G	119.38	Inf	-Inf	83.51	3	Horizontal	293	2.68	-	27.54	8.33	-
PK	2.484G	62.05	74.00	-11.95	26.01	3	Horizontal	293	2.68	-	27.70	8.34	-

802.11b_Nss1,(1Mbps)_2TX

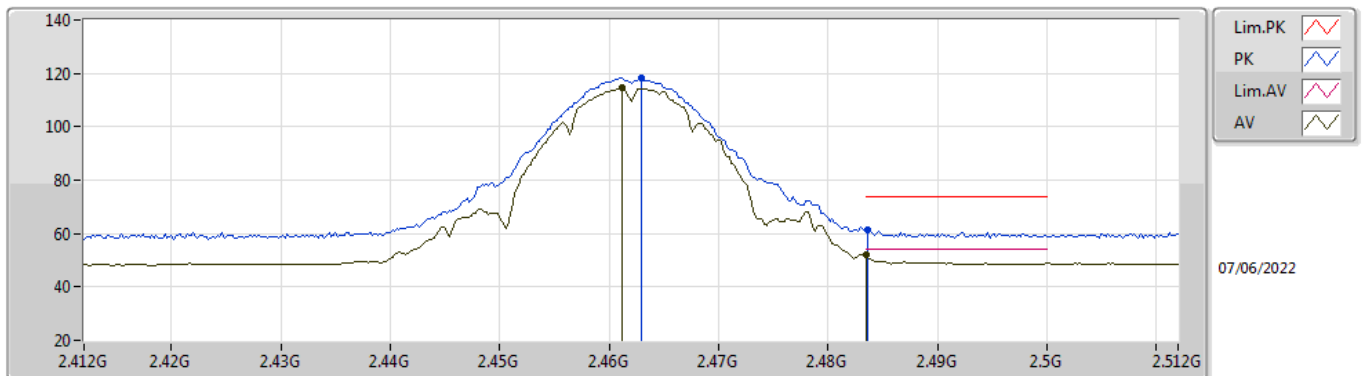
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.461G	113.86	Inf	-Inf	77.96	3	Vertical	248	1.00	-	27.57	8.33	-
AV	2.4835G	50.59	54.00	-3.41	14.55	3	Vertical	248	1.00	-	27.70	8.34	-
PK	2.463G	116.31	Inf	-Inf	80.40	3	Vertical	248	1.00	-	27.58	8.33	-
PK	2.4914G	60.36	74.00	-13.64	24.26	3	Vertical	248	1.00	-	27.75	8.35	-

802.11b_Nss1,(1Mbps)_2TX

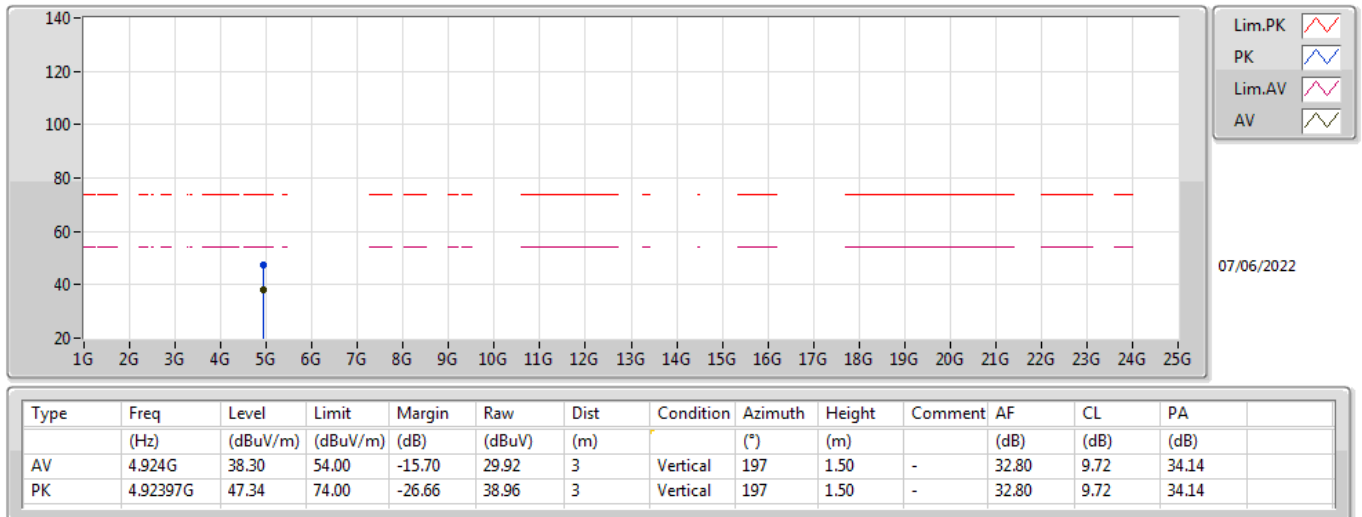
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	114.42	Inf	-Inf	78.52	3	Horizontal	292	3.00	-	27.57	8.33	-
AV	2.4835G	51.87	54.00	-2.13	15.83	3	Horizontal	292	3.00	-	27.70	8.34	-
PK	2.463G	118.16	Inf	-Inf	82.25	3	Horizontal	292	3.00	-	27.58	8.33	-
PK	2.4836G	61.49	74.00	-12.51	25.45	3	Horizontal	292	3.00	-	27.70	8.34	-

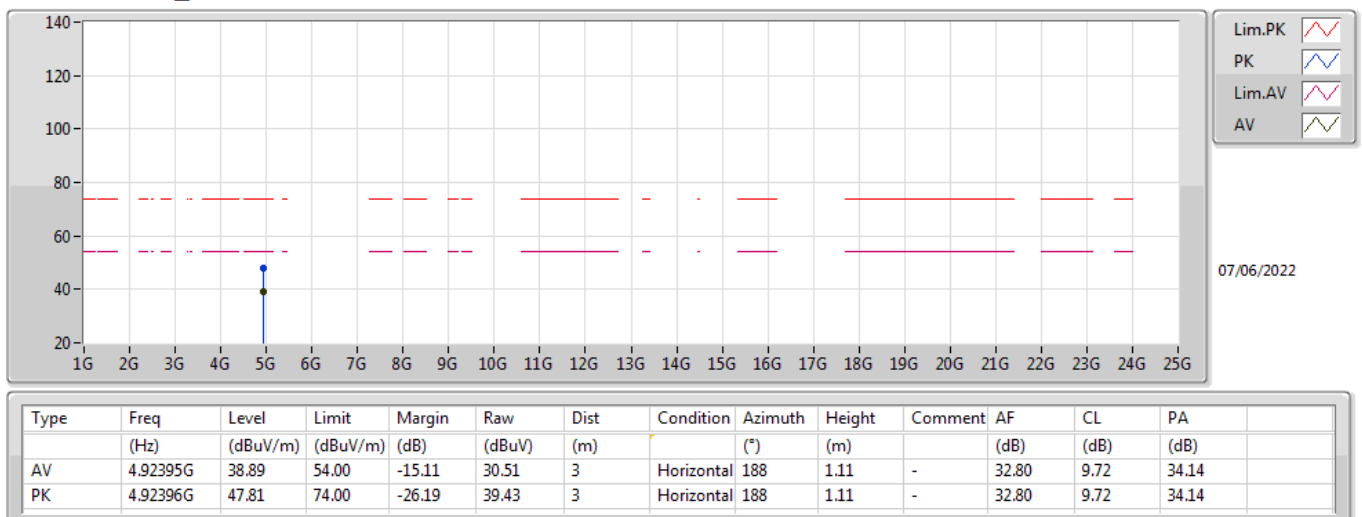
802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX



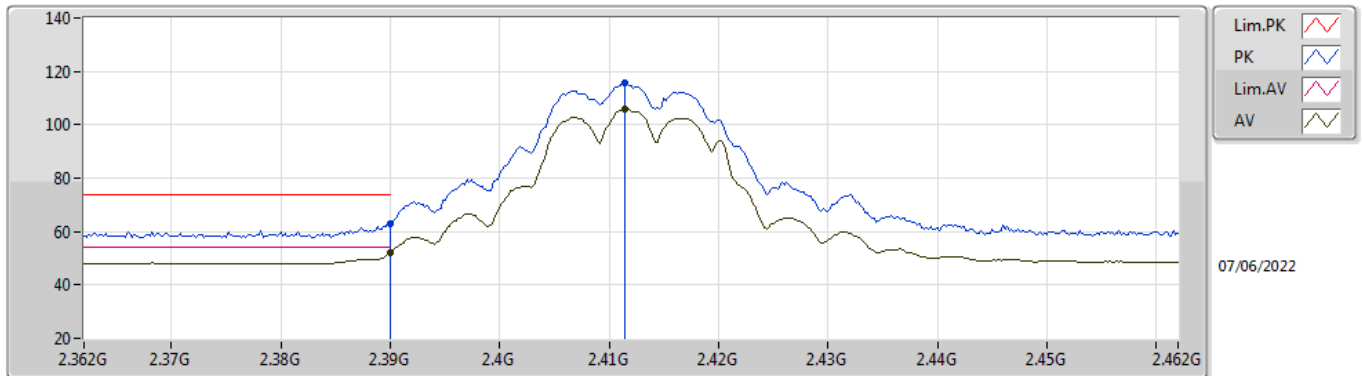
802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX



802.11g_Nss1,(6Mbps)_2TX

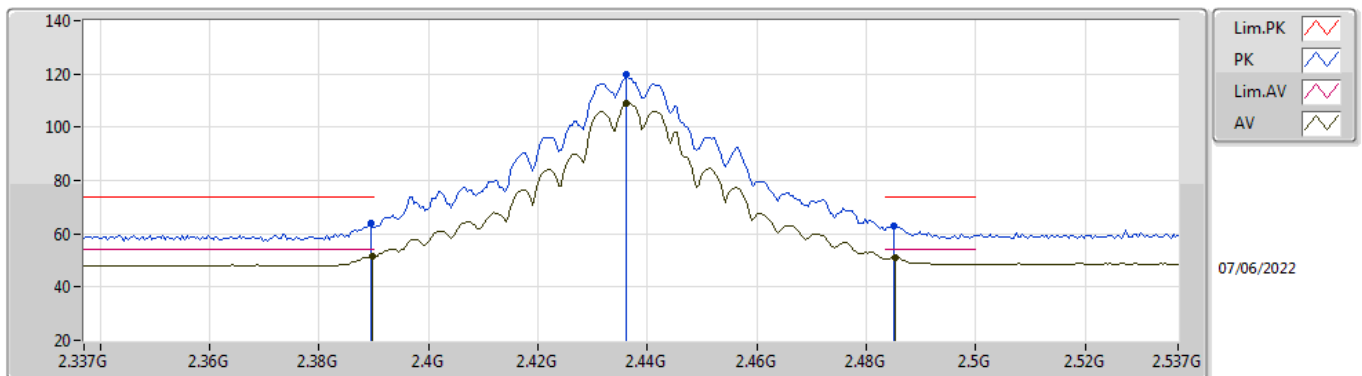
2412MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.39G	52.15	54.00	-1.85	16.59	3	Vertical	253	1.07	-	27.28	8.28	-
AV	2.4114G	105.88	Inf	-Inf	70.23	3	Vertical	253	1.07	-	27.35	8.30	-
PK	2.39G	62.85	74.00	-11.15	27.29	3	Vertical	253	1.07	-	27.28	8.28	-
PK	2.4114G	115.51	Inf	-Inf	79.86	3	Vertical	253	1.07	-	27.35	8.30	-

802.11g_Nss1,(6Mbps)_2TX

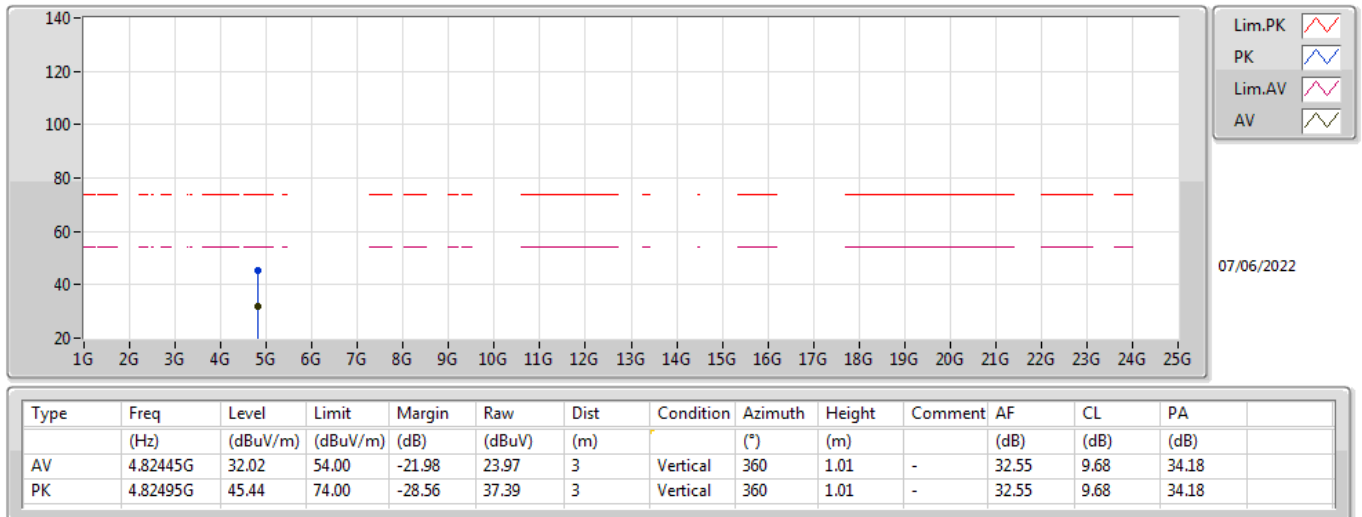
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3898G	51.31	54.00	-2.69	15.75	3	Horizontal	281	2.76	-	27.28	8.28	-
AV	2.4362G	109.15	Inf	-Inf	73.40	3	Horizontal	281	2.76	-	27.44	8.31	-
AV	2.4854G	51.19	54.00	-2.81	15.13	3	Horizontal	281	2.76	-	27.71	8.35	-
PK	2.3894G	63.76	74.00	-10.24	28.20	3	Horizontal	281	2.76	-	27.28	8.28	-
PK	2.4362G	119.93	Inf	-Inf	84.18	3	Horizontal	281	2.76	-	27.44	8.31	-
PK	2.485G	62.86	74.00	-11.14	26.80	3	Horizontal	281	2.76	-	27.71	8.35	-

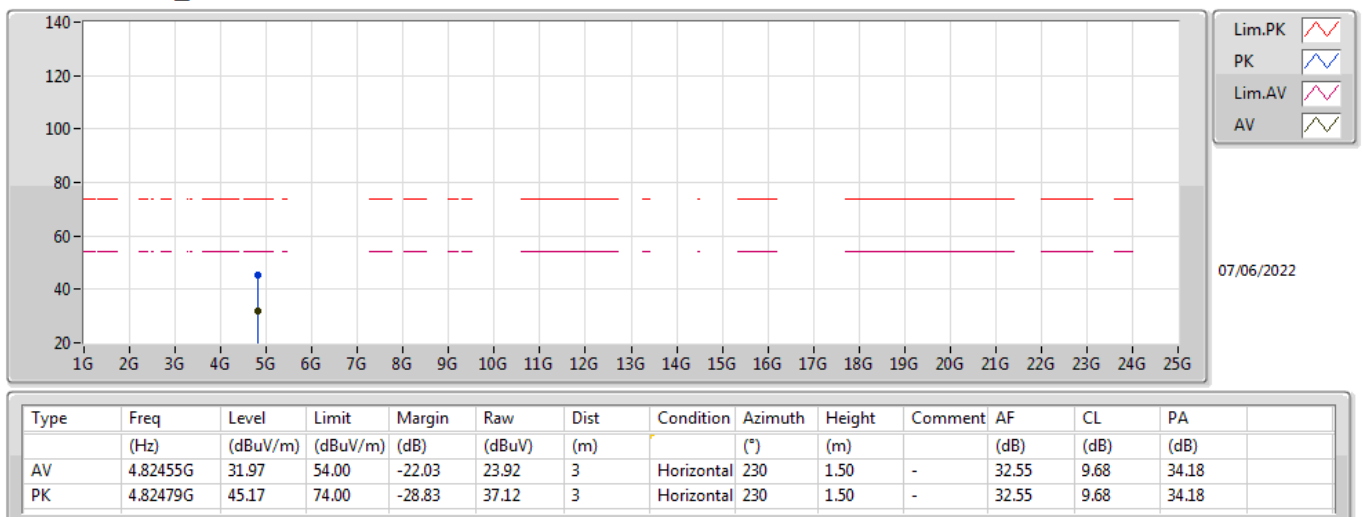
802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX



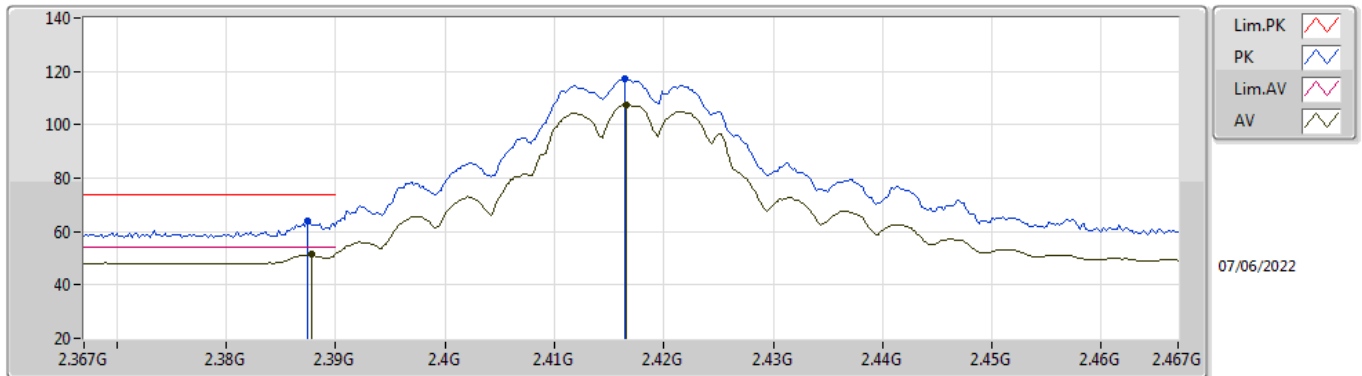
802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX



802.11g_Nss1,(6Mbps)_2TX

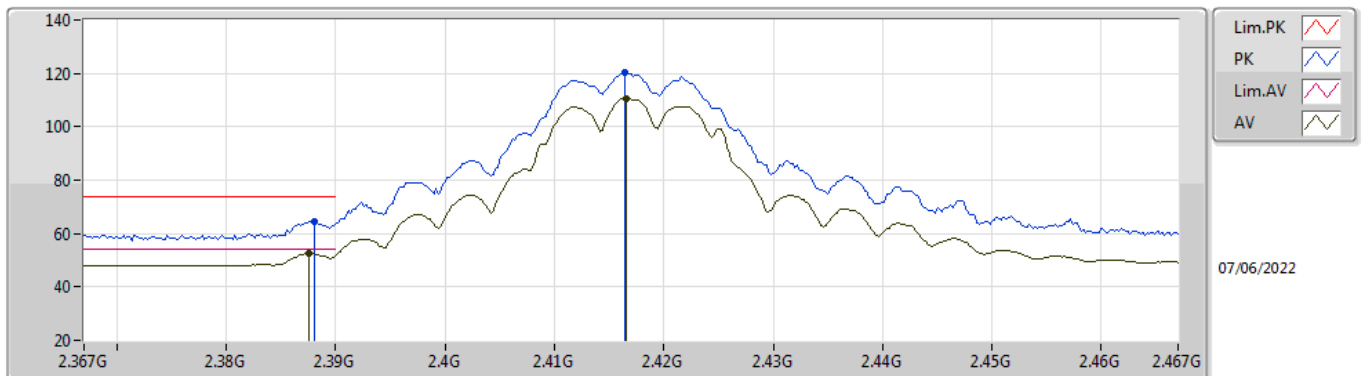
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	51.33	54.00	-2.67	15.77	3	Vertical	254	1.02	-	27.28	8.28	-
AV	2.4166G	107.66	Inf	-Inf	71.99	3	Vertical	254	1.02	-	27.37	8.30	-
PK	2.3874G	63.84	74.00	-10.16	28.29	3	Vertical	254	1.02	-	27.27	8.28	-
PK	2.4164G	117.20	Inf	-Inf	81.53	3	Vertical	254	1.02	-	27.37	8.30	-

802.11g_Nss1,(6Mbps)_2TX

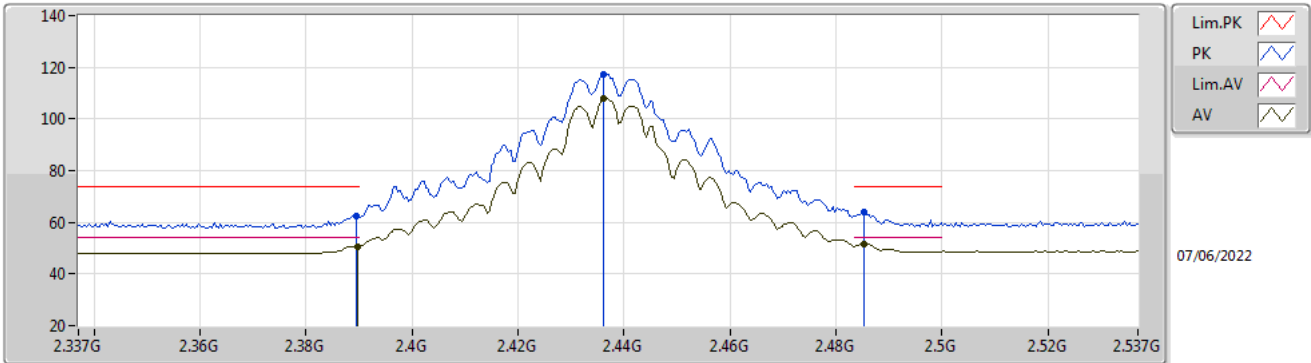
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.3876G	52.71	54.00	-1.29	17.15	3	Horizontal	289	2.79	-	27.28	8.28	-
AV	2.4166G	110.65	Inf	-Inf	74.98	3	Horizontal	289	2.79	-	27.37	8.30	-
PK	2.388G	64.60	74.00	-9.40	29.04	3	Horizontal	289	2.79	-	27.28	8.28	-
PK	2.4164G	120.36	Inf	-Inf	84.69	3	Horizontal	289	2.79	-	27.37	8.30	-

802.11g_Nss1,(6Mbps)_2TX

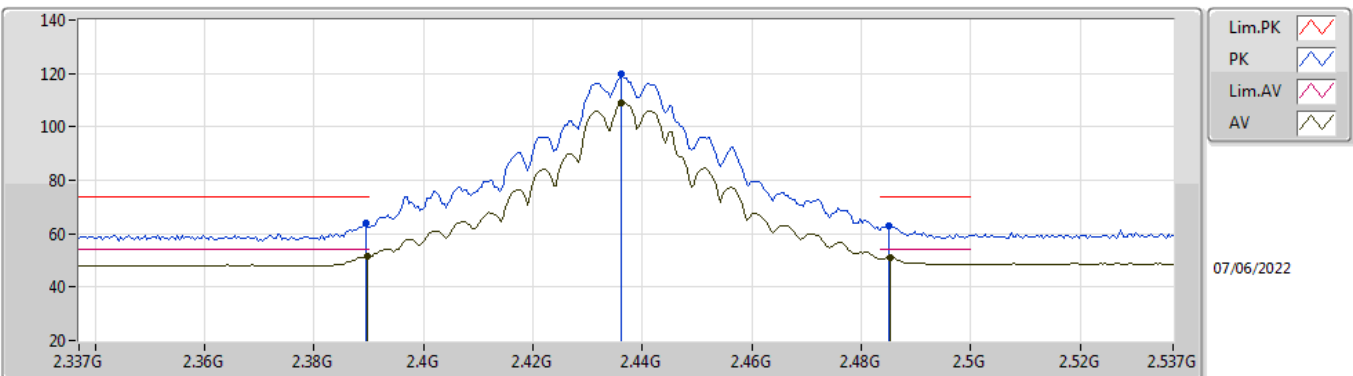
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3898G	50.70	54.00	-3.30	15.14	3	Vertical	252	1.03	-	27.28	8.28	-
AV	2.4362G	108.00	Inf	-Inf	72.25	3	Vertical	252	1.03	-	27.44	8.31	-
AV	2.4854G	51.60	54.00	-2.40	15.54	3	Vertical	252	1.03	-	27.71	8.35	-
PK	2.3894G	62.40	74.00	-11.60	26.84	3	Vertical	252	1.03	-	27.28	8.28	-
PK	2.4362G	117.15	Inf	-Inf	81.40	3	Vertical	252	1.03	-	27.44	8.31	-
PK	2.4854G	63.81	74.00	-10.19	27.75	3	Vertical	252	1.03	-	27.71	8.35	-

802.11g_Nss1,(6Mbps)_2TX

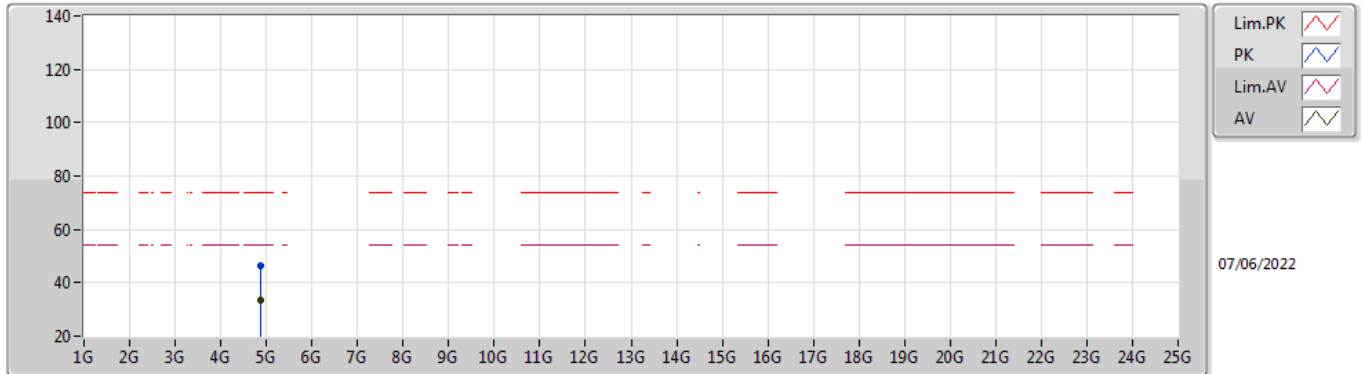
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3898G	51.31	54.00	-2.69	15.75	3	Horizontal	281	2.76	-	27.28	8.28	-
AV	2.4362G	109.15	Inf	-Inf	73.40	3	Horizontal	281	2.76	-	27.44	8.31	-
AV	2.4854G	51.19	54.00	-2.81	15.13	3	Horizontal	281	2.76	-	27.71	8.35	-
PK	2.3894G	63.76	74.00	-10.24	28.20	3	Horizontal	281	2.76	-	27.28	8.28	-
PK	2.4362G	119.93	Inf	-Inf	84.18	3	Horizontal	281	2.76	-	27.44	8.31	-
PK	2.485G	62.86	74.00	-11.14	26.80	3	Horizontal	281	2.76	-	27.71	8.35	-

802.11g_Nss1,(6Mbps)_2TX

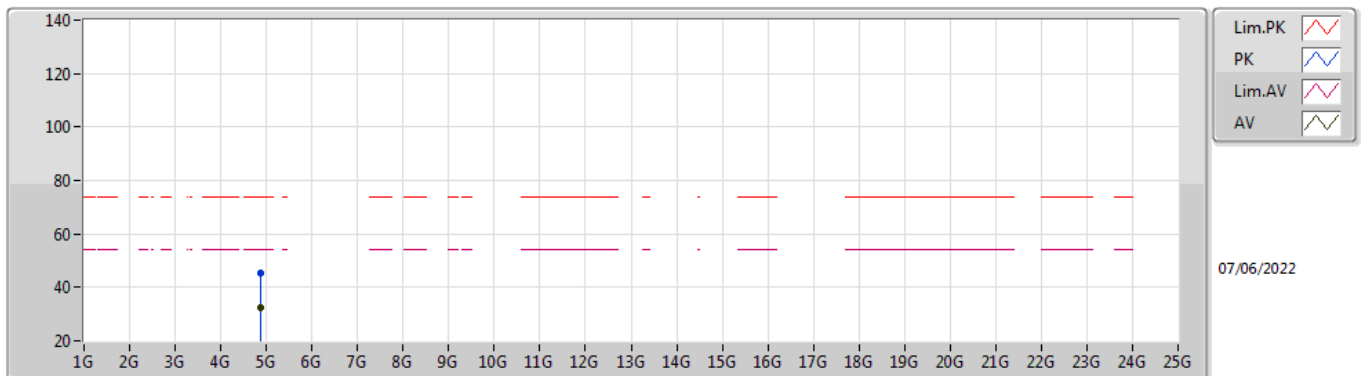
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	4.875G	33.26	54.00	-20.74	25.07	3	Vertical	18	2.27	-	32.65	9.70	34.16
PK	4.87476G	46.20	74.00	-27.80	38.01	3	Vertical	18	2.27	-	32.65	9.70	34.16

802.11g_Nss1,(6Mbps)_2TX

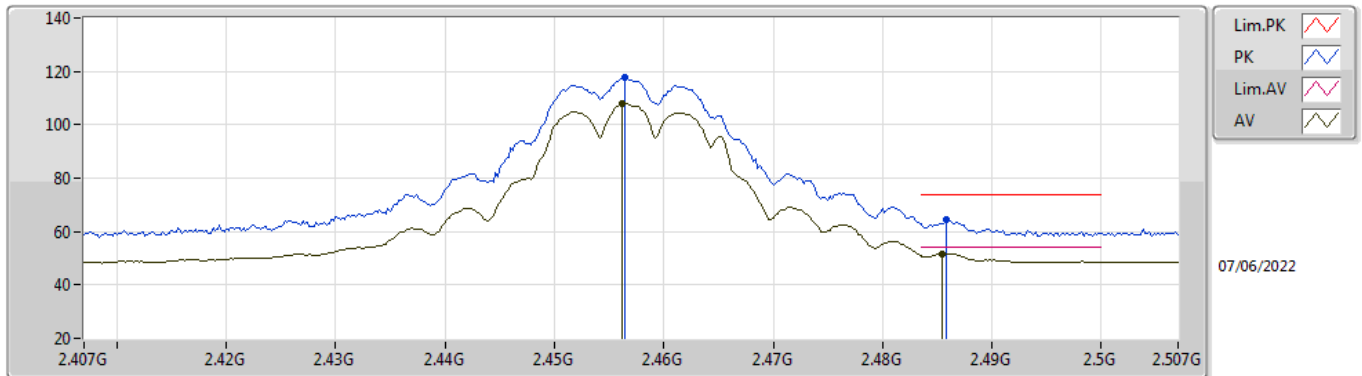
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	4.87478G	32.36	54.00	-21.64	24.17	3	Horizontal	54	2.44	-	32.65	9.70	34.16
PK	4.87488G	45.53	74.00	-28.47	37.34	3	Horizontal	54	2.44	-	32.65	9.70	34.16

802.11g_Nss1,(6Mbps)_2TX

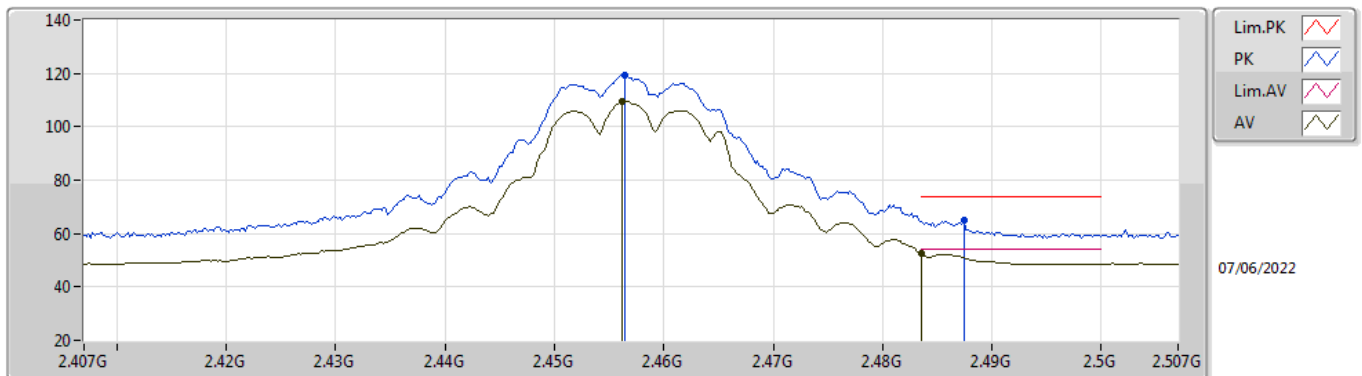
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	107.99	Inf	-Inf	72.12	3	Vertical	251	1.02	-	27.54	8.33	-
AV	2.4854G	51.80	54.00	-2.20	15.74	3	Vertical	251	1.02	-	27.71	8.35	-
PK	2.4564G	117.76	Inf	-Inf	81.89	3	Vertical	251	1.02	-	27.54	8.33	-
PK	2.4858G	64.58	74.00	-9.42	28.52	3	Vertical	251	1.02	-	27.71	8.35	-

802.11g_Nss1,(6Mbps)_2TX

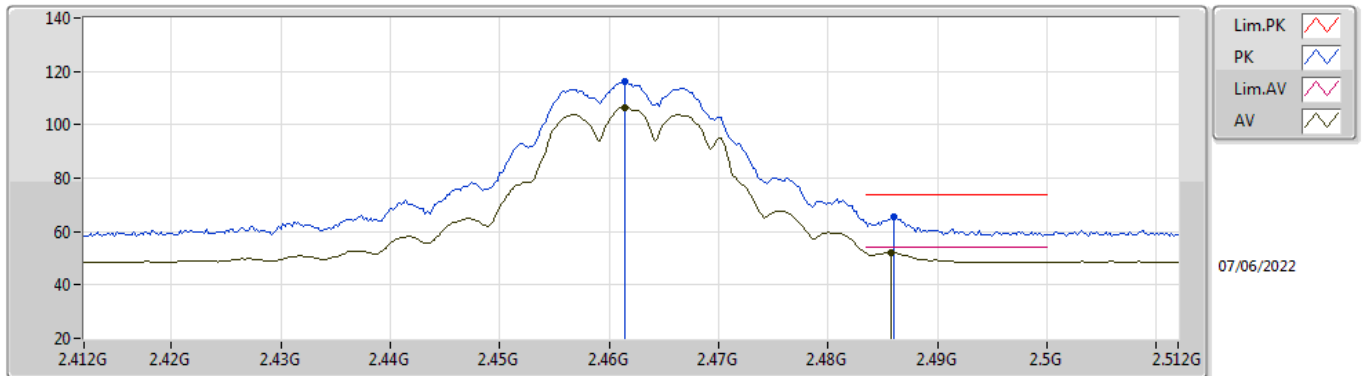
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	109.64	Inf	-Inf	73.77	3	Horizontal	283	3.00	-	27.54	8.33	-
AV	2.4835G	52.68	54.00	-1.32	16.64	3	Horizontal	283	3.00	-	27.70	8.34	-
PK	2.4564G	119.48	Inf	-Inf	83.61	3	Horizontal	283	3.00	-	27.54	8.33	-
PK	2.4874G	64.82	74.00	-9.18	28.75	3	Horizontal	283	3.00	-	27.72	8.35	-

802.11g_Nss1,(6Mbps)_2TX

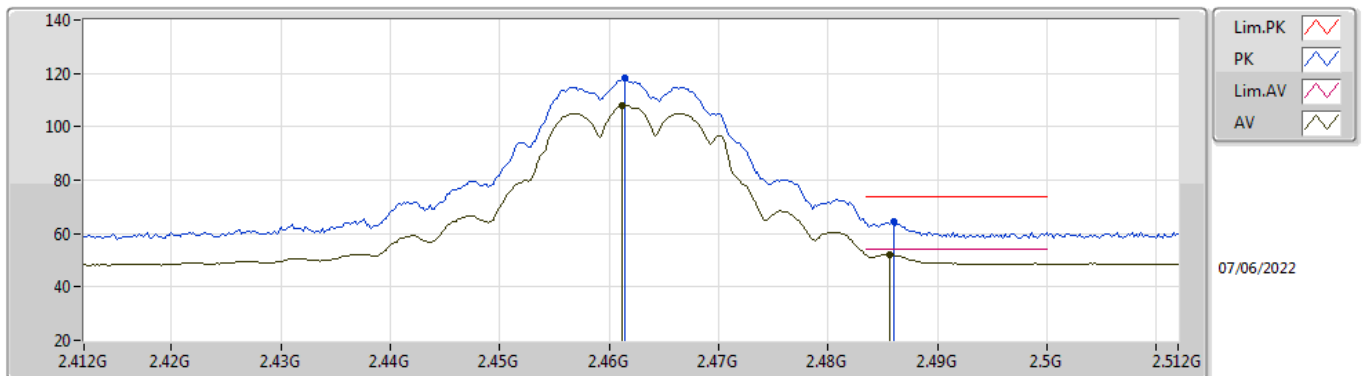
2462MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.4614G	106.62	Inf	-Inf	70.72	3	Vertical	252	1.00	-	27.57	8.33	-
AV	2.4858G	52.06	54.00	-1.94	16.00	3	Vertical	252	1.00	-	27.71	8.35	-
PK	2.4614G	116.41	Inf	-Inf	80.51	3	Vertical	252	1.00	-	27.57	8.33	-
PK	2.486G	65.26	74.00	-8.74	29.19	3	Vertical	252	1.00	-	27.72	8.35	-

802.11g_Nss1,(6Mbps)_2TX

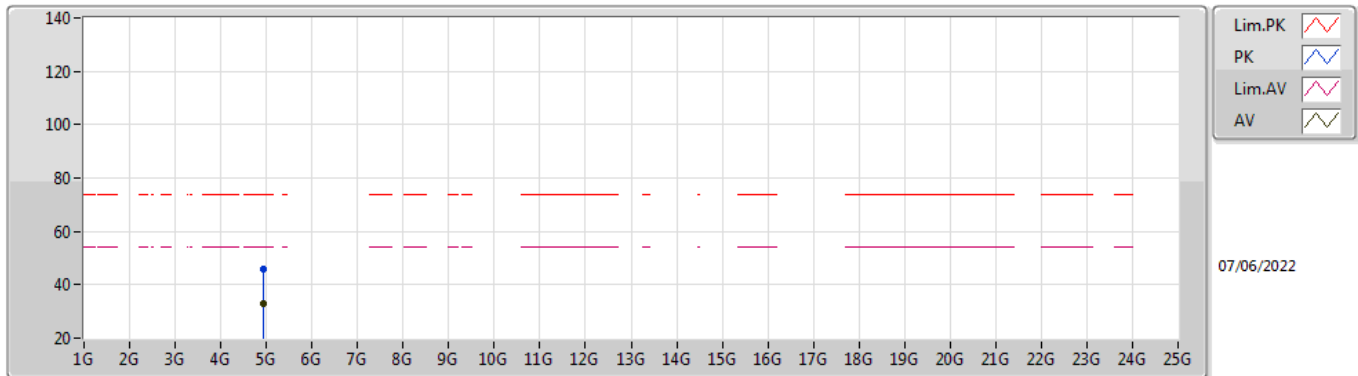
2462MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.4612G	108.11	Inf	-Inf	72.21	3	Horizontal	285	3.00	-	27.57	8.33	-
AV	2.4856G	52.12	54.00	-1.88	16.06	3	Horizontal	285	3.00	-	27.71	8.35	-
PK	2.4614G	118.04	Inf	-Inf	82.14	3	Horizontal	285	3.00	-	27.57	8.33	-
PK	2.486G	64.55	74.00	-9.45	28.48	3	Horizontal	285	3.00	-	27.72	8.35	-

802.11g_Nss1,(6Mbps)_2TX

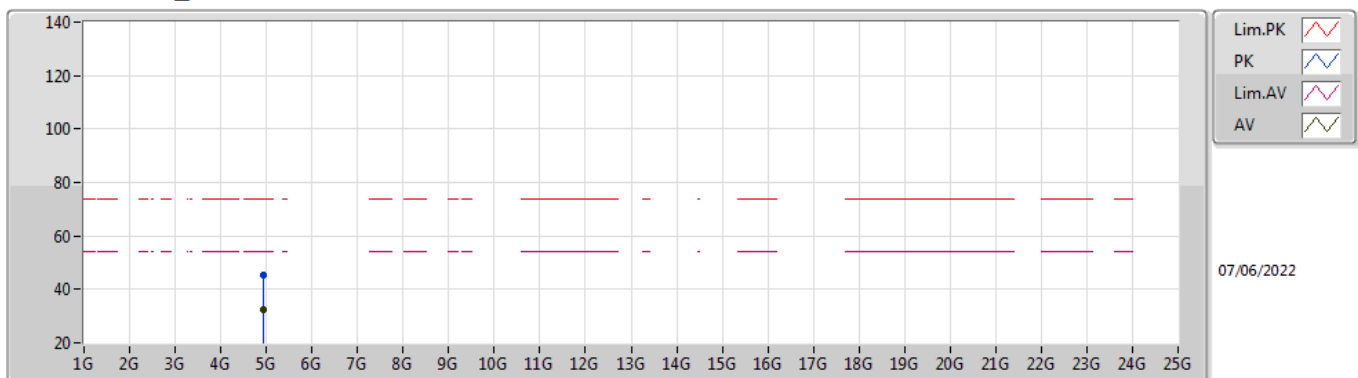
2462MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	4.924G	32.77	54.00	-21.23	24.39	3	Vertical	0	1.42	-	32.80	9.72	34.14
PK	4.92396G	45.65	74.00	-28.35	37.27	3	Vertical	0	1.42	-	32.80	9.72	34.14

802.11g_Nss1,(6Mbps)_2TX

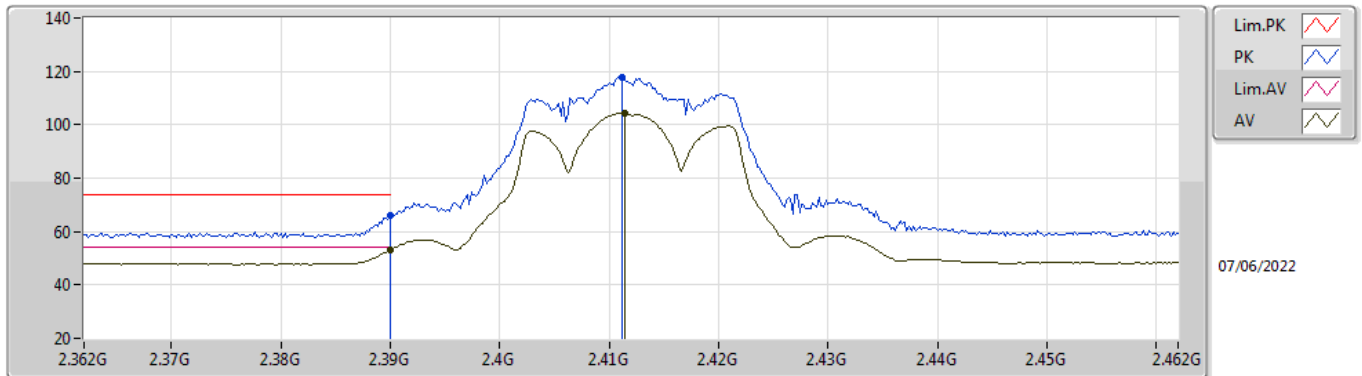
2462MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	4.92459G	32.42	54.00	-21.58	24.04	3	Horizontal	32	2.72	-	32.80	9.72	34.14
PK	4.92432G	45.52	74.00	-28.48	37.14	3	Horizontal	32	2.72	-	32.80	9.72	34.14

802.11ax HEW20_Nss1,(MCS0)_2TX

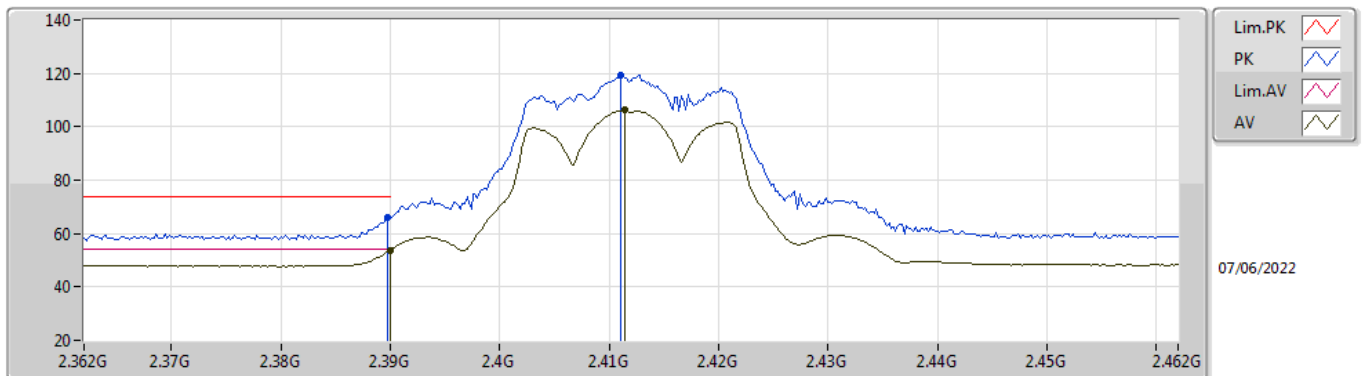
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.10	54.00	-0.90	17.54	3	Vertical	254	1.06	-	27.28	8.28	-
AV	2.4114G	104.39	Inf	-Inf	68.74	3	Vertical	254	1.06	-	27.35	8.30	-
PK	2.39G	66.02	74.00	-7.98	30.46	3	Vertical	254	1.06	-	27.28	8.28	-
PK	2.4112G	117.90	Inf	-Inf	82.26	3	Vertical	254	1.06	-	27.34	8.30	-

802.11ax HEW20_Nss1,(MCS0)_2TX

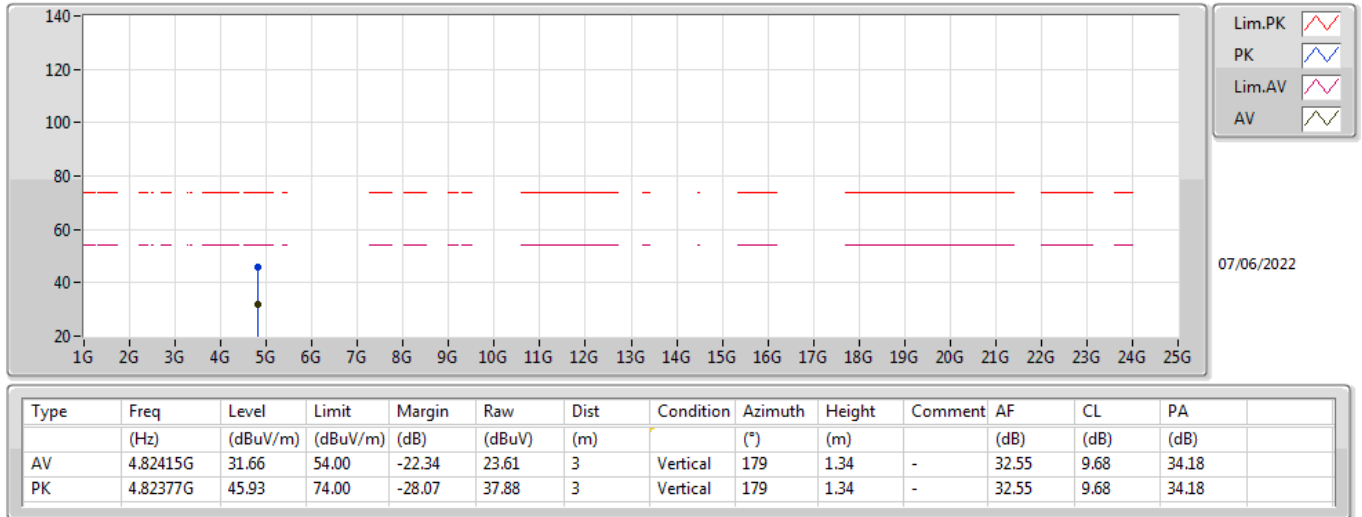
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.82	54.00	-0.18	18.26	3	Horizontal	291	2.80	-	27.28	8.28	-
AV	2.4114G	106.19	Inf	-Inf	70.54	3	Horizontal	291	2.80	-	27.35	8.30	-
PK	2.3898G	65.92	74.00	-8.08	30.36	3	Horizontal	291	2.80	-	27.28	8.28	-
PK	2.411G	119.39	Inf	-Inf	83.75	3	Horizontal	291	2.80	-	27.34	8.30	-

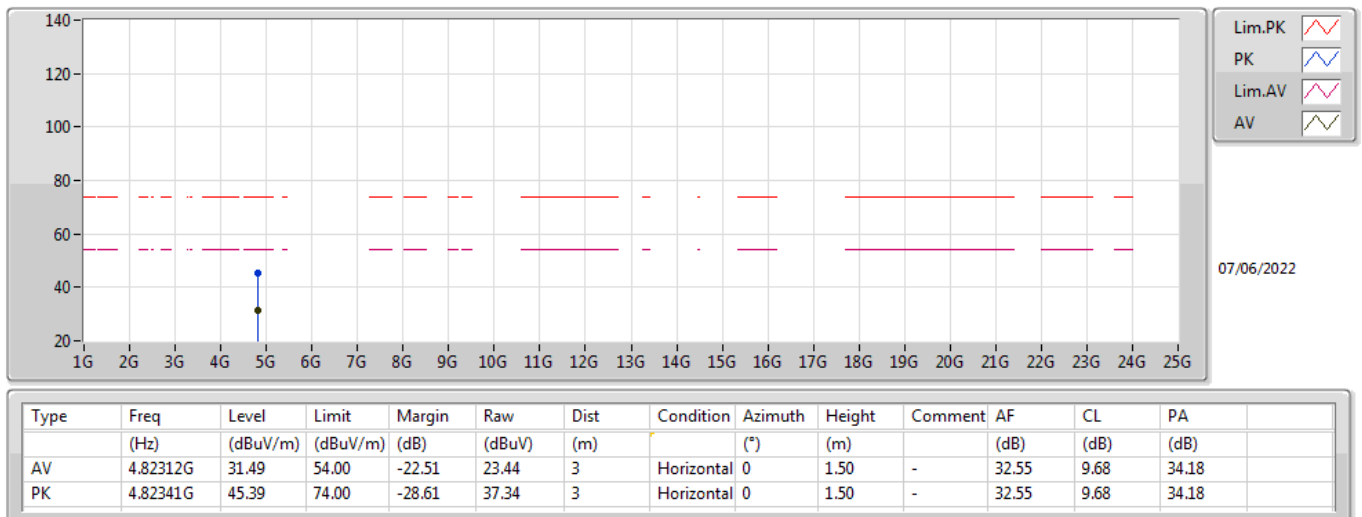
802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX



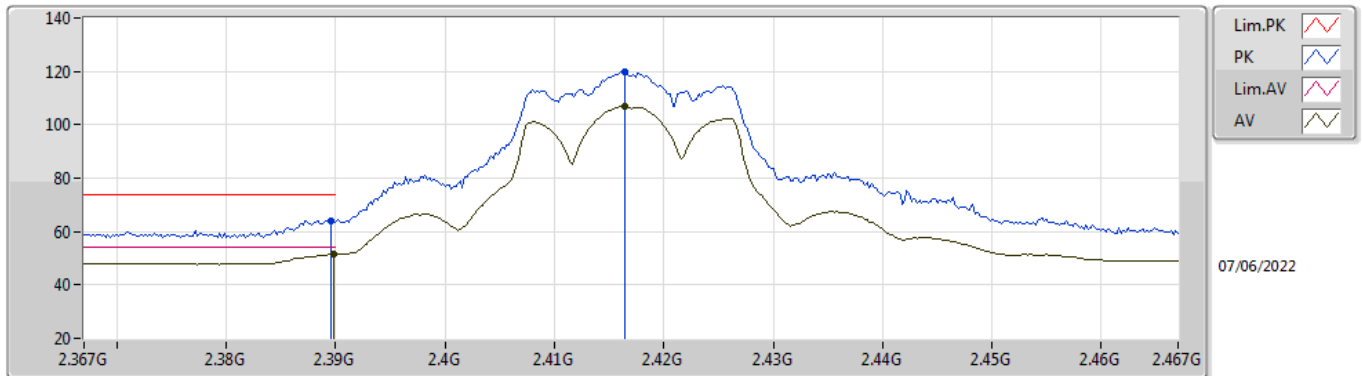
802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX



802.11ax HEW20_Nss1,(MCS0)_2TX

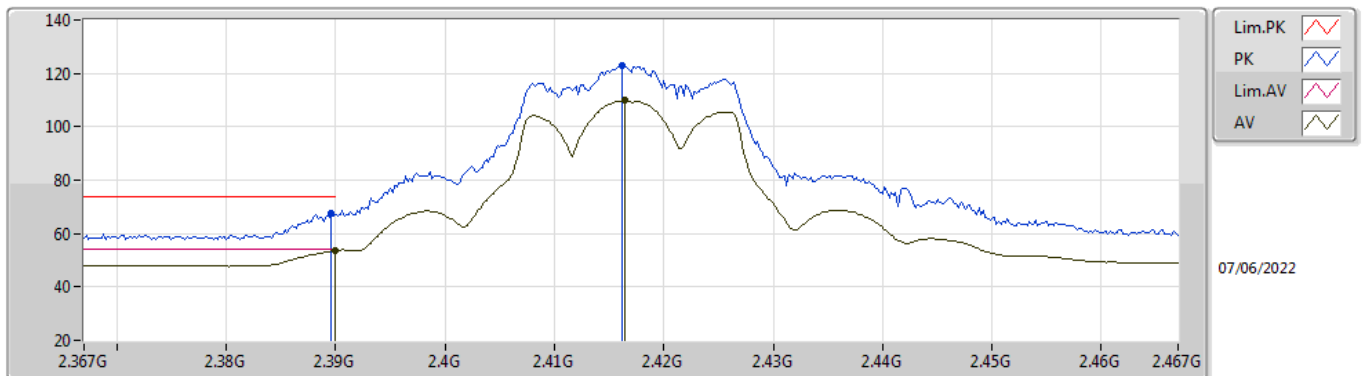
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	51.77	54.00	-2.23	16.21	3	Vertical	255	1.04	-	27.28	8.28	-
AV	2.4164G	107.00	Inf	-Inf	71.33	3	Vertical	255	1.04	-	27.37	8.30	-
PK	2.3896G	64.10	74.00	-9.90	28.54	3	Vertical	255	1.04	-	27.28	8.28	-
PK	2.4164G	119.84	Inf	-Inf	84.17	3	Vertical	255	1.04	-	27.37	8.30	-

802.11ax HEW20_Nss1,(MCS0)_2TX

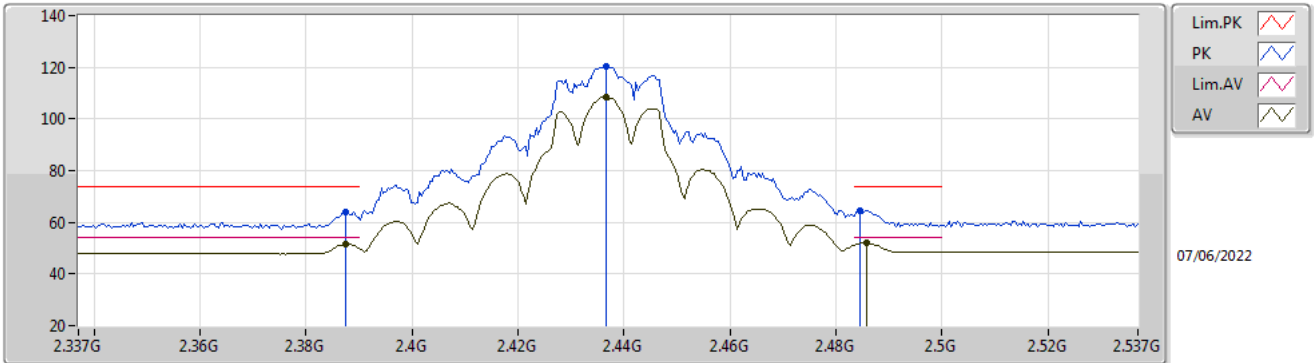
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.70	54.00	-0.30	18.14	3	Horizontal	289	2.80	-	27.28	8.28	-
AV	2.4164G	109.87	Inf	-Inf	74.20	3	Horizontal	289	2.80	-	27.37	8.30	-
PK	2.3896G	67.68	74.00	-6.32	32.12	3	Horizontal	289	2.80	-	27.28	8.28	-
PK	2.4162G	123.15	Inf	-Inf	87.49	3	Horizontal	289	2.80	-	27.36	8.30	-

802.11ax HEW20_Nss1,(MCS0)_2TX

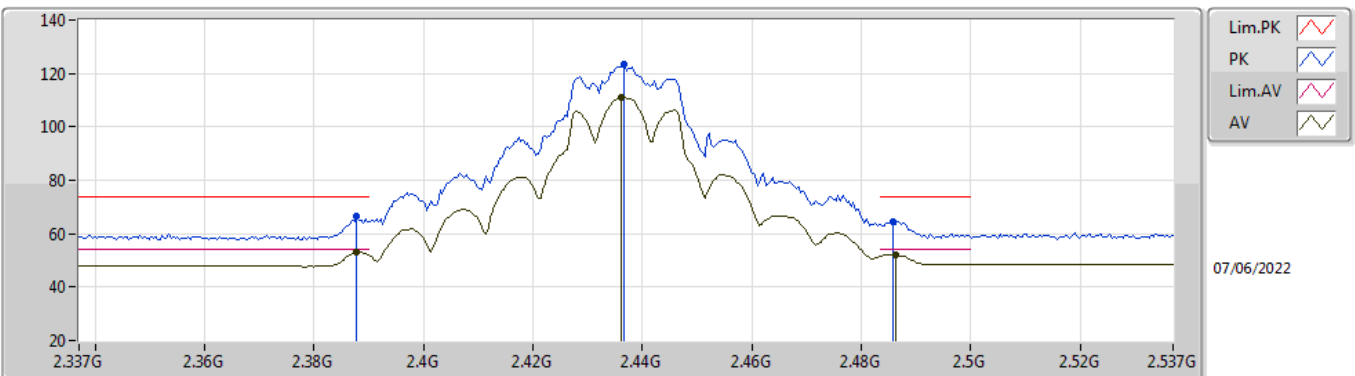
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3874G	51.61	54.00	-2.39	16.06	3	Vertical	255	1.03	-	27.27	8.28	-
AV	2.4366G	108.51	Inf	-Inf	72.75	3	Vertical	255	1.03	-	27.45	8.31	-
AV	2.4858G	52.14	54.00	-1.86	16.08	3	Vertical	255	1.03	-	27.71	8.35	-
PK	2.3874G	64.03	74.00	-9.97	28.48	3	Vertical	255	1.03	-	27.27	8.28	-
PK	2.4366G	120.48	Inf	-Inf	84.72	3	Vertical	255	1.03	-	27.45	8.31	-
PK	2.4846G	64.50	74.00	-9.50	28.45	3	Vertical	255	1.03	-	27.71	8.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

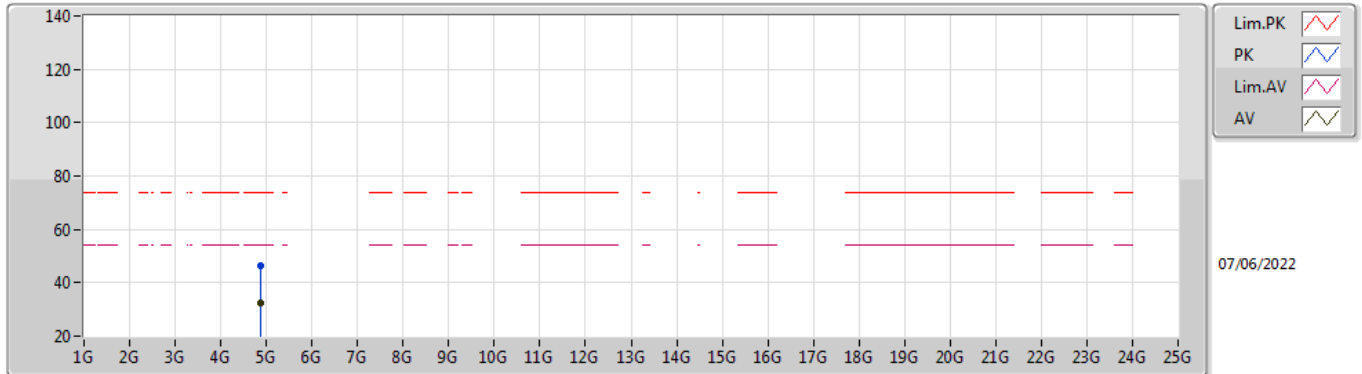
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3878G	52.98	54.00	-1.02	17.42	3	Horizontal	288	2.76	-	27.28	8.28	-
AV	2.4362G	111.16	Inf	-Inf	75.41	3	Horizontal	288	2.76	-	27.44	8.31	-
AV	2.4862G	52.15	54.00	-1.85	16.08	3	Horizontal	288	2.76	-	27.72	8.35	-
PK	2.3878G	66.64	74.00	-7.36	31.08	3	Horizontal	288	2.76	-	27.28	8.28	-
PK	2.4366G	123.34	Inf	-Inf	87.58	3	Horizontal	288	2.76	-	27.45	8.31	-
PK	2.4858G	64.46	74.00	-9.54	28.40	3	Horizontal	288	2.76	-	27.71	8.35	-

802.11ax HEW20_Nss1,(MCS0)_2TX

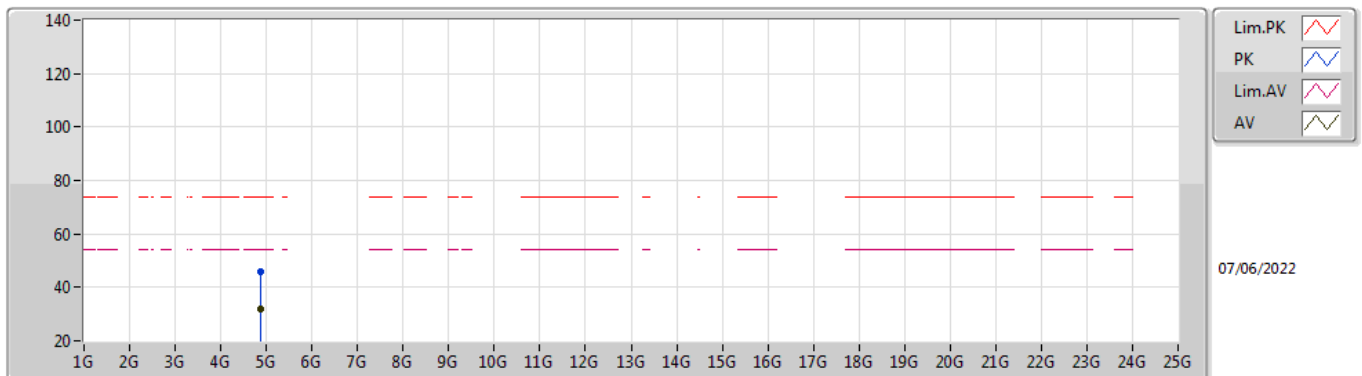
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	4.874G	32.65	54.00	-21.35	24.46	3	Vertical	46	1.01	-	32.65	9.70	34.16
PK	4.87418G	46.43	74.00	-27.57	38.24	3	Vertical	46	1.01	-	32.65	9.70	34.16

802.11ax HEW20_Nss1,(MCS0)_2TX

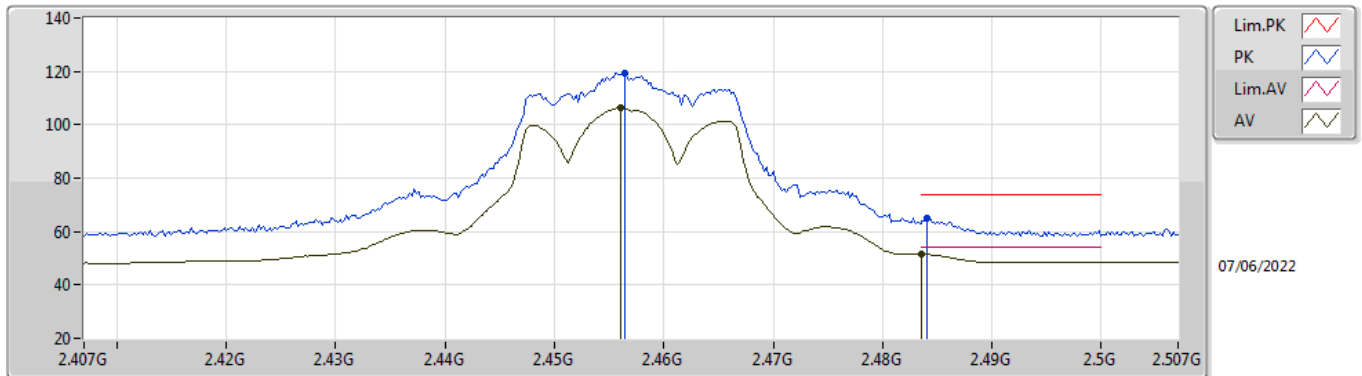
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	4.87351G	31.73	54.00	-22.27	23.54	3	Horizontal	81	1.01	-	32.65	9.70	34.16
PK	4.87463G	45.87	74.00	-28.13	37.68	3	Horizontal	81	1.01	-	32.65	9.70	34.16

802.11ax HEW20_Nss1,(MCS0)_2TX

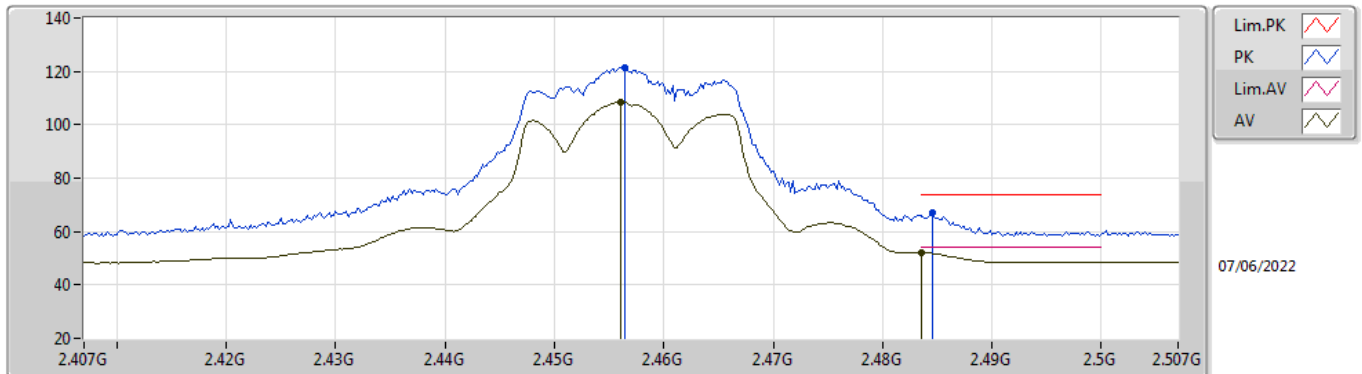
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.456G	106.48	Inf	-Inf	70.61	3	Vertical	256	1.00	-	27.54	8.33	-
AV	2.4835G	51.46	54.00	-2.54	15.42	3	Vertical	256	1.00	-	27.70	8.34	-
PK	2.4564G	119.47	Inf	-Inf	83.60	3	Vertical	256	1.00	-	27.54	8.33	-
PK	2.484G	64.93	74.00	-9.07	28.89	3	Vertical	256	1.00	-	27.70	8.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

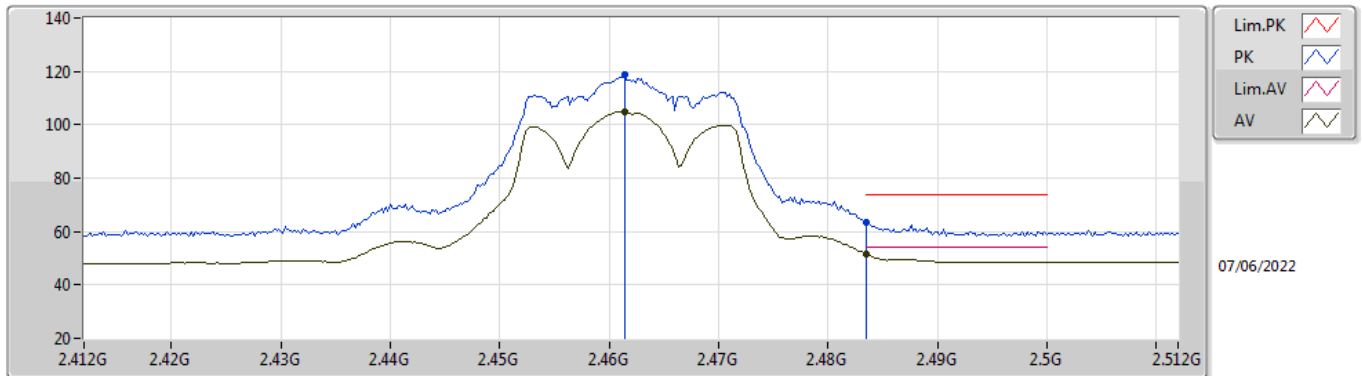
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.456G	108.57	Inf	-Inf	72.70	3	Horizontal	281	2.71	-	27.54	8.33	-
AV	2.4836G	52.22	54.00	-1.78	16.18	3	Horizontal	281	2.71	-	27.70	8.34	-
PK	2.4564G	121.59	Inf	-Inf	85.72	3	Horizontal	281	2.71	-	27.54	8.33	-
PK	2.4846G	67.15	74.00	-6.85	31.10	3	Horizontal	281	2.71	-	27.71	8.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

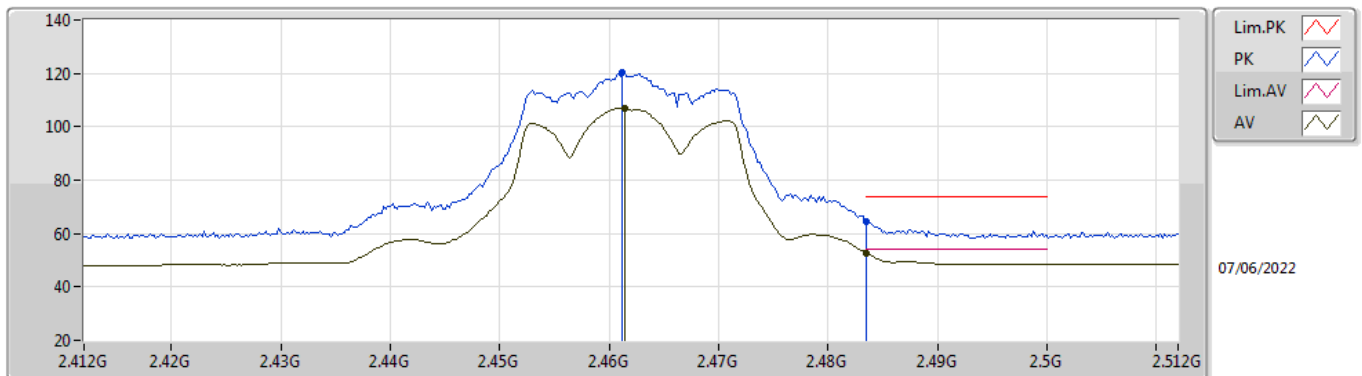
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.4614G	104.86	Inf	-Inf	68.96	3	Vertical	255	1.00	-	27.57	8.33	-
AV	2.4835G	51.48	54.00	-2.52	15.44	3	Vertical	255	1.00	-	27.70	8.34	-
PK	2.4614G	118.75	Inf	-Inf	82.85	3	Vertical	255	1.00	-	27.57	8.33	-
PK	2.4835G	63.68	74.00	-10.32	27.64	3	Vertical	255	1.00	-	27.70	8.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

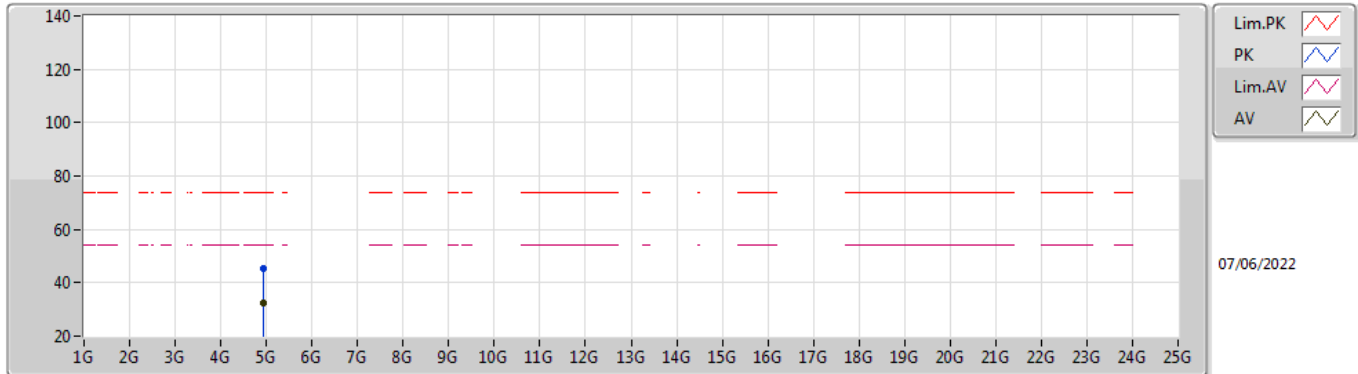
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
AV	2.4614G	107.13	Inf	-Inf	71.23	3	Horizontal	286	3.00	-	27.57	8.33	-
AV	2.4835G	52.79	54.00	-1.21	16.75	3	Horizontal	286	3.00	-	27.70	8.34	-
PK	2.4612G	120.43	Inf	-Inf	84.53	3	Horizontal	286	3.00	-	27.57	8.33	-
PK	2.4835G	64.72	74.00	-9.28	28.68	3	Horizontal	286	3.00	-	27.70	8.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

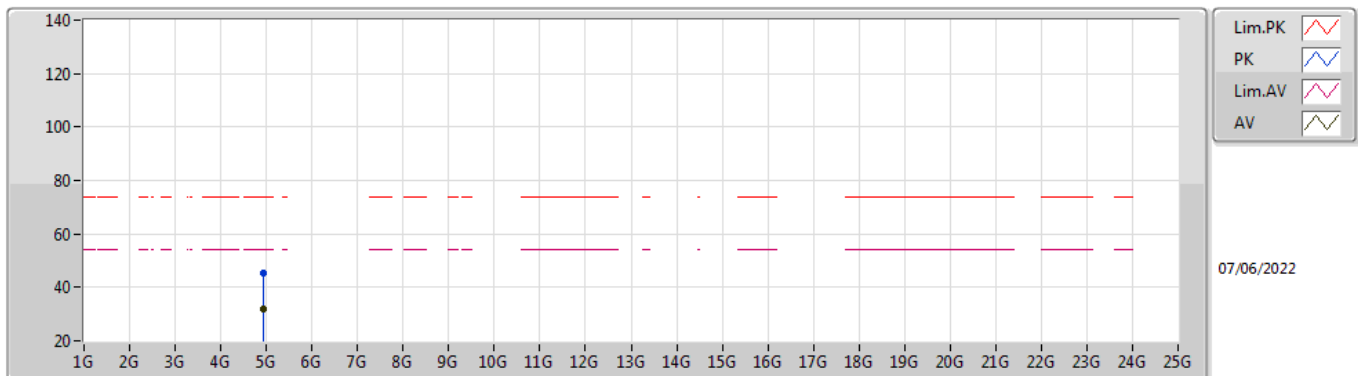
2462MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	4.924G	32.16	54.00	-21.84	23.78	3	Vertical	0	1.50	-	32.80	9.72	34.14
PK	4.92384G	45.48	74.00	-28.52	37.10	3	Vertical	0	1.50	-	32.80	9.72	34.14

802.11ax HEW20_Nss1,(MCS0)_2TX

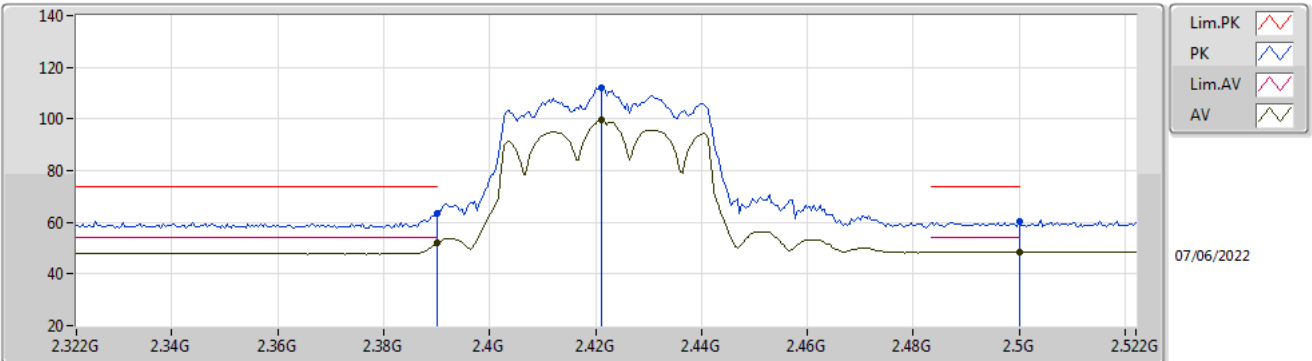
2462MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	4.92493G	31.81	54.00	-22.19	23.43	3	Horizontal	186	1.42	-	32.80	9.72	34.14
PK	4.9245G	45.23	74.00	-28.77	36.85	3	Horizontal	186	1.42	-	32.80	9.72	34.14

802.11ax HEW40_Nss1,(MCS0)_2TX

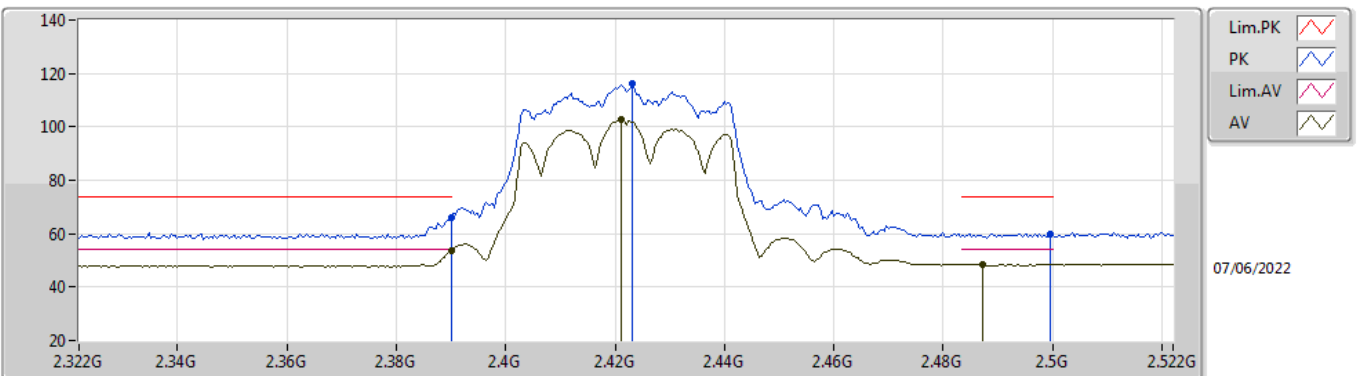
2422MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.39G	51.86	54.00	-2.14	16.30	3	Vertical	251	1.00	-	27.28	8.28	-
AV	2.4212G	99.45	Inf	-Inf	63.77	3	Vertical	251	1.00	-	27.38	8.30	-
AV	2.5G	48.41	54.00	-5.59	12.25	3	Vertical	251	1.00	-	27.80	8.36	-
PK	2.39G	63.62	74.00	-10.38	28.06	3	Vertical	251	1.00	-	27.28	8.28	-
PK	2.4212G	112.17	Inf	-Inf	76.49	3	Vertical	251	1.00	-	27.38	8.30	-
PK	2.5G	60.44	74.00	-13.56	24.28	3	Vertical	251	1.00	-	27.80	8.36	-

802.11ax HEW40_Nss1,(MCS0)_2TX

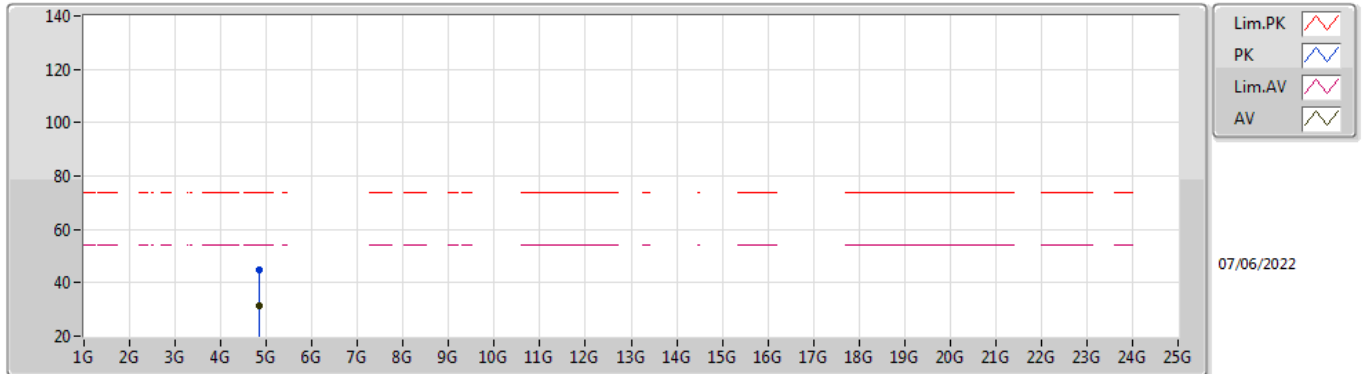
2422MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.39G	53.54	54.00	-0.46	17.98	3	Horizontal	284	2.78	-	27.28	8.28	-
AV	2.4212G	102.87	Inf	-Inf	67.19	3	Horizontal	284	2.78	-	27.38	8.30	-
AV	2.4872G	48.35	54.00	-5.65	12.28	3	Horizontal	284	2.78	-	27.72	8.35	-
PK	2.39G	66.23	74.00	-7.77	30.67	3	Horizontal	284	2.78	-	27.28	8.28	-
PK	2.4232G	116.04	Inf	-Inf	80.34	3	Horizontal	284	2.78	-	27.39	8.31	-
PK	2.4996G	59.80	74.00	-14.20	23.65	3	Horizontal	284	2.78	-	27.80	8.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

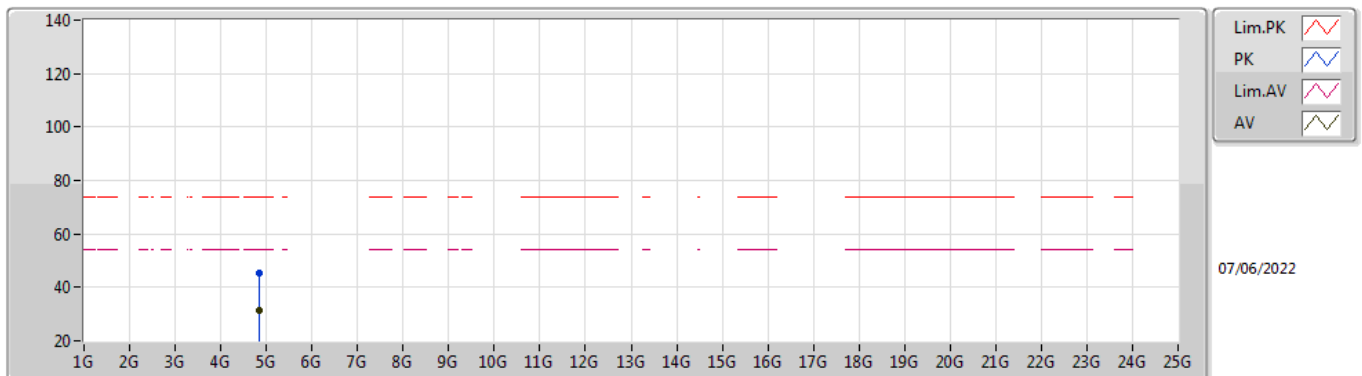
2422MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	4.84472G	31.57	54.00	-22.43	23.46	3	Vertical	333	1.70	-	32.59	9.69	34.17
PK	4.84742G	44.90	74.00	-29.10	36.79	3	Vertical	333	1.70	-	32.59	9.69	34.17

802.11ax HEW40_Nss1,(MCS0)_2TX

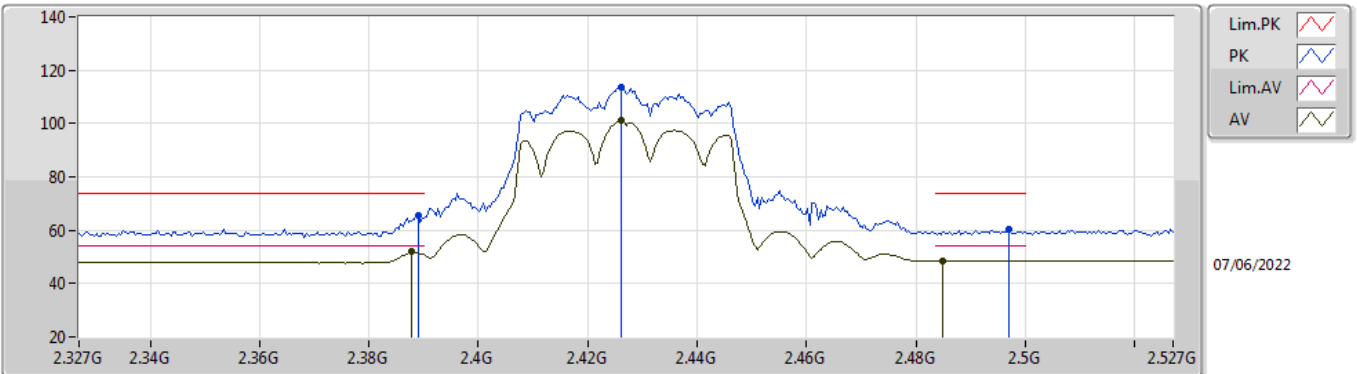
2422MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	4.84548G	31.38	54.00	-22.62	23.27	3	Horizontal	86	2.24	-	32.59	9.69	34.17
PK	4.84476G	45.30	74.00	-28.70	37.19	3	Horizontal	86	2.24	-	32.59	9.69	34.17

802.11ax HEW40_Nss1,(MCS0)_2TX

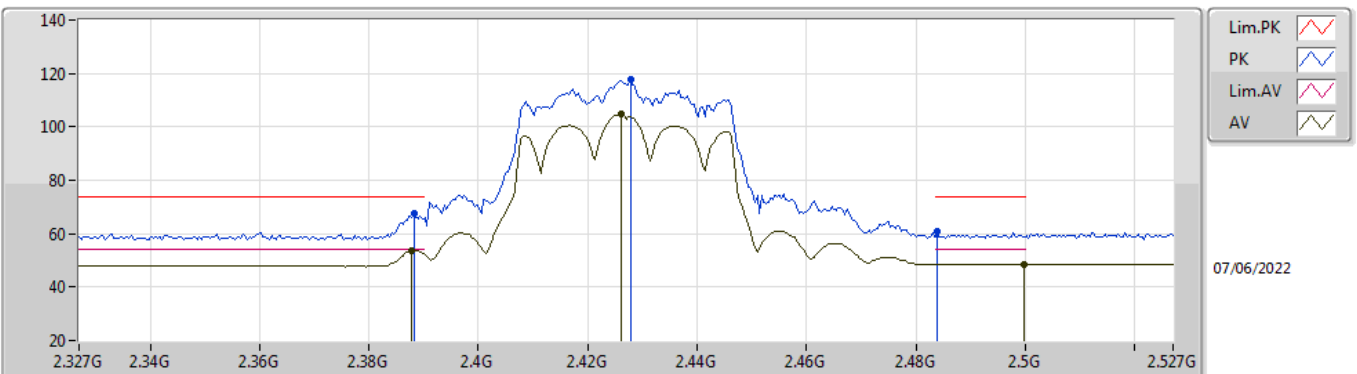
2427MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3878G	51.84	54.00	-2.16	16.28	3	Vertical	257	1.04	-	27.28	8.28	-
AV	2.4262G	101.25	Inf	-Inf	65.54	3	Vertical	257	1.04	-	27.40	8.31	-
AV	2.485G	48.46	54.00	-5.54	12.40	3	Vertical	257	1.04	-	27.71	8.35	-
PK	2.389G	65.40	74.00	-8.60	29.84	3	Vertical	257	1.04	-	27.28	8.28	-
PK	2.4262G	113.68	Inf	-Inf	77.97	3	Vertical	257	1.04	-	27.40	8.31	-
PK	2.497G	60.27	74.00	-13.73	24.14	3	Vertical	257	1.04	-	27.78	8.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

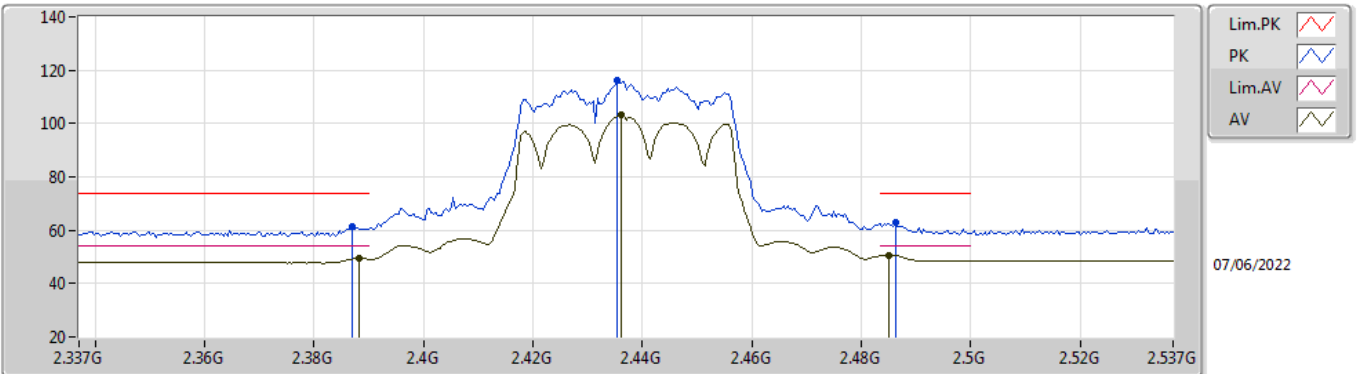
2427MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3878G	53.71	54.00	-0.29	18.15	3	Horizontal	285	2.80	-	27.28	8.28	-
AV	2.4262G	104.96	Inf	-Inf	69.25	3	Horizontal	285	2.80	-	27.40	8.31	-
AV	2.4998G	48.41	54.00	-5.59	12.26	3	Horizontal	285	2.80	-	27.80	8.35	-
PK	2.3882G	67.69	74.00	-6.31	32.13	3	Horizontal	285	2.80	-	27.28	8.28	-
PK	2.4278G	117.72	Inf	-Inf	82.00	3	Horizontal	285	2.80	-	27.41	8.31	-
PK	2.4838G	60.78	74.00	-13.22	24.74	3	Horizontal	285	2.80	-	27.70	8.34	-

802.11ax HEW40_Nss1,(MCS0)_2TX

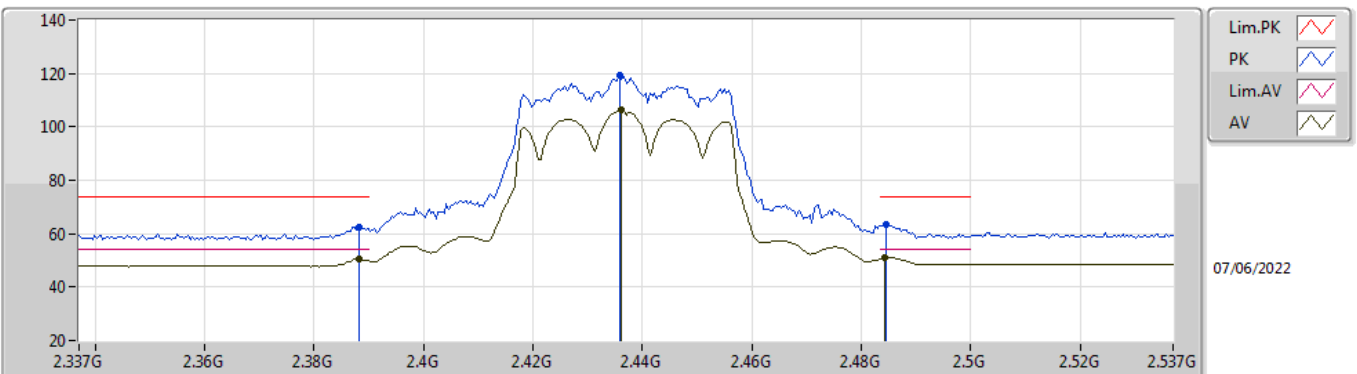
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3882G	49.46	54.00	-4.54	13.90	3	Vertical	254	1.04	-	27.28	8.28	-
AV	2.4362G	103.14	Inf	-Inf	67.39	3	Vertical	254	1.04	-	27.44	8.31	-
AV	2.485G	50.67	54.00	-3.33	14.61	3	Vertical	254	1.04	-	27.71	8.35	-
PK	2.387G	61.17	74.00	-12.83	25.62	3	Vertical	254	1.04	-	27.27	8.28	-
PK	2.4354G	116.15	Inf	-Inf	80.40	3	Vertical	254	1.04	-	27.44	8.31	-
PK	2.4862G	62.69	74.00	-11.31	26.62	3	Vertical	254	1.04	-	27.72	8.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

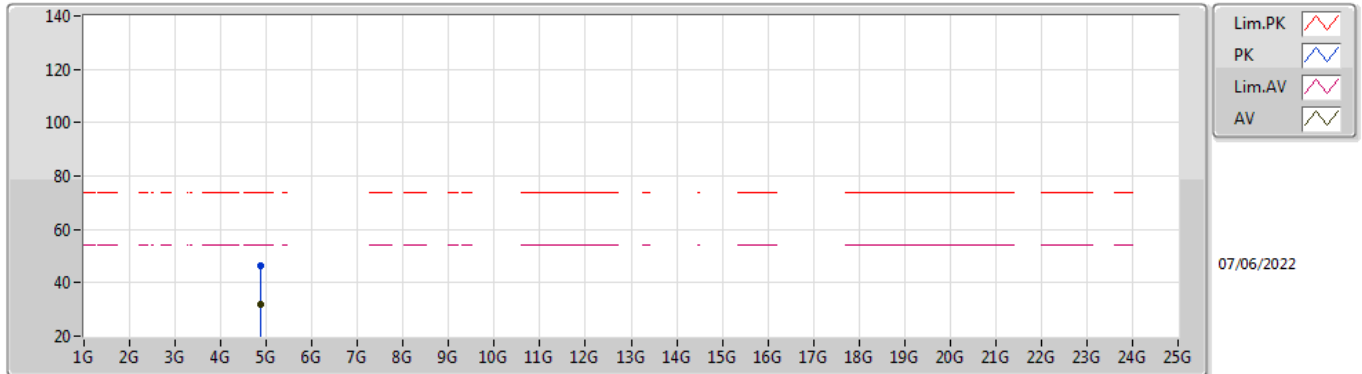
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3882G	50.43	54.00	-3.57	14.87	3	Horizontal	285	2.76	-	27.28	8.28	-
AV	2.4362G	106.33	Inf	-Inf	70.58	3	Horizontal	285	2.76	-	27.44	8.31	-
AV	2.4842G	50.93	54.00	-3.07	14.88	3	Horizontal	285	2.76	-	27.71	8.34	-
PK	2.3882G	62.65	74.00	-11.35	27.09	3	Horizontal	285	2.76	-	27.28	8.28	-
PK	2.4358G	119.10	Inf	-Inf	83.35	3	Horizontal	285	2.76	-	27.44	8.31	-
PK	2.4846G	63.20	74.00	-10.80	27.15	3	Horizontal	285	2.76	-	27.71	8.34	-

802.11ax HEW40_Nss1,(MCS0)_2TX

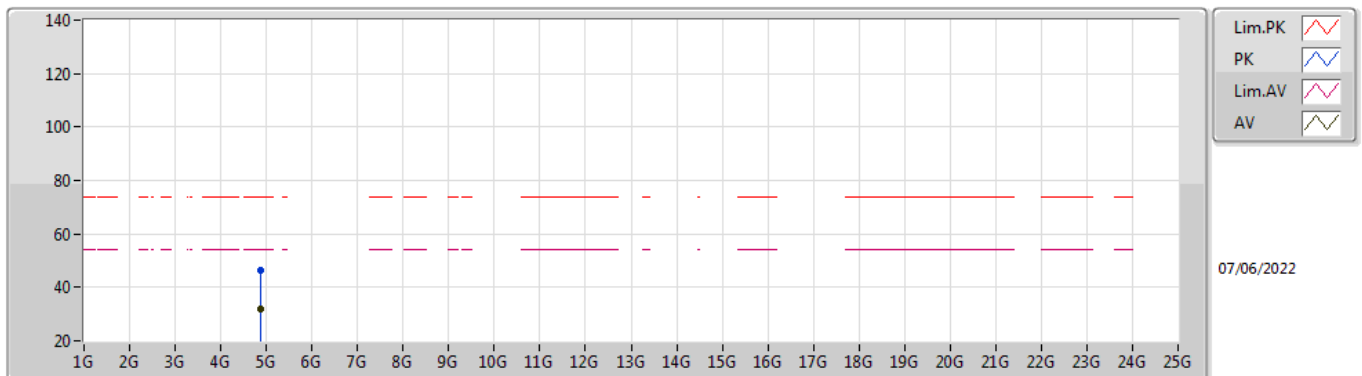
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	4.87392G	32.00	54.00	-22.00	23.81	3	Vertical	48	1.01	-	32.65	9.70	34.16
PK	4.879G	46.36	74.00	-27.64	38.16	3	Vertical	48	1.01	-	32.66	9.70	34.16

802.11ax HEW40_Nss1,(MCS0)_2TX

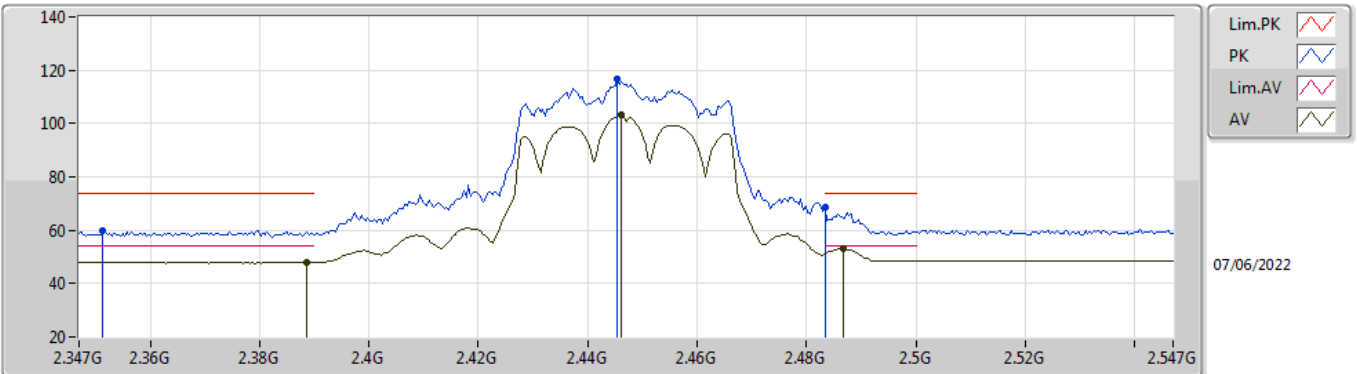
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	4.87398G	31.72	54.00	-22.28	23.53	3	Horizontal	54	1.00	-	32.65	9.70	34.16
PK	4.87399G	46.16	74.00	-27.84	37.97	3	Horizontal	54	1.00	-	32.65	9.70	34.16

802.11ax HEW40_Nss1,(MCS0)_2TX

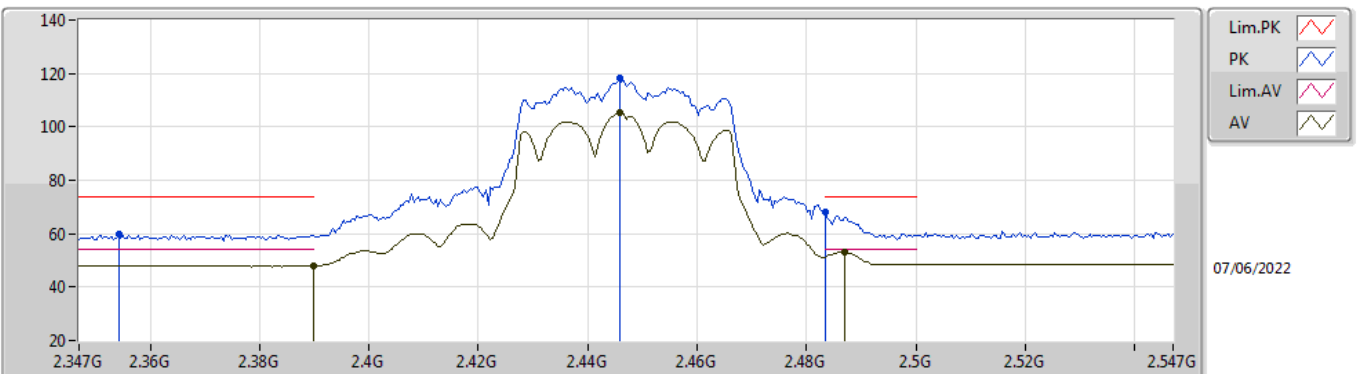
2447MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3886G	47.89	54.00	-6.11	12.33	3	Vertical	253	1.06	-	27.28	8.28	-
AV	2.4462G	103.07	Inf	-Inf	67.27	3	Vertical	253	1.06	-	27.48	8.32	-
AV	2.4866G	53.09	54.00	-0.91	17.02	3	Vertical	253	1.06	-	27.72	8.35	-
PK	2.3514G	59.77	74.00	-14.23	24.32	3	Vertical	253	1.06	-	27.20	8.25	-
PK	2.4454G	116.53	Inf	-Inf	80.73	3	Vertical	253	1.06	-	27.48	8.32	-
PK	2.4835G	68.77	74.00	-5.23	32.73	3	Vertical	253	1.06	-	27.70	8.34	-

802.11ax HEW40_Nss1,(MCS0)_2TX

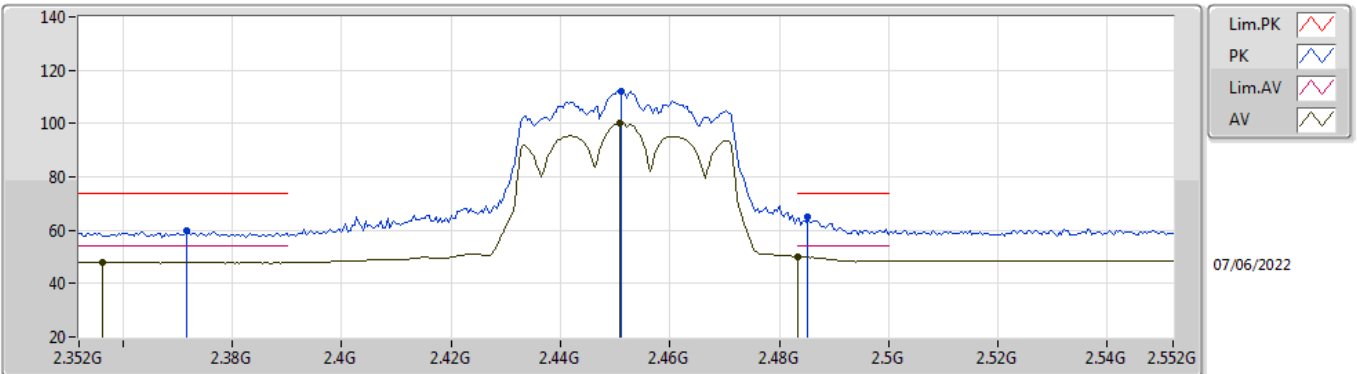
2447MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3898G	48.07	54.00	-5.93	12.51	3	Horizontal	284	2.76	-	27.28	8.28	-
AV	2.4458G	105.31	Inf	-Inf	69.51	3	Horizontal	284	2.76	-	27.48	8.32	-
AV	2.487G	53.06	54.00	-0.94	16.99	3	Horizontal	284	2.76	-	27.72	8.35	-
PK	2.3542G	60.05	74.00	-13.95	24.58	3	Horizontal	284	2.76	-	27.21	8.26	-
PK	2.4458G	118.26	Inf	-Inf	82.46	3	Horizontal	284	2.76	-	27.48	8.32	-
PK	2.4835G	68.26	74.00	-5.74	32.22	3	Horizontal	284	2.76	-	27.70	8.34	-

802.11ax HEW40_Nss1,(MCS0)_2TX

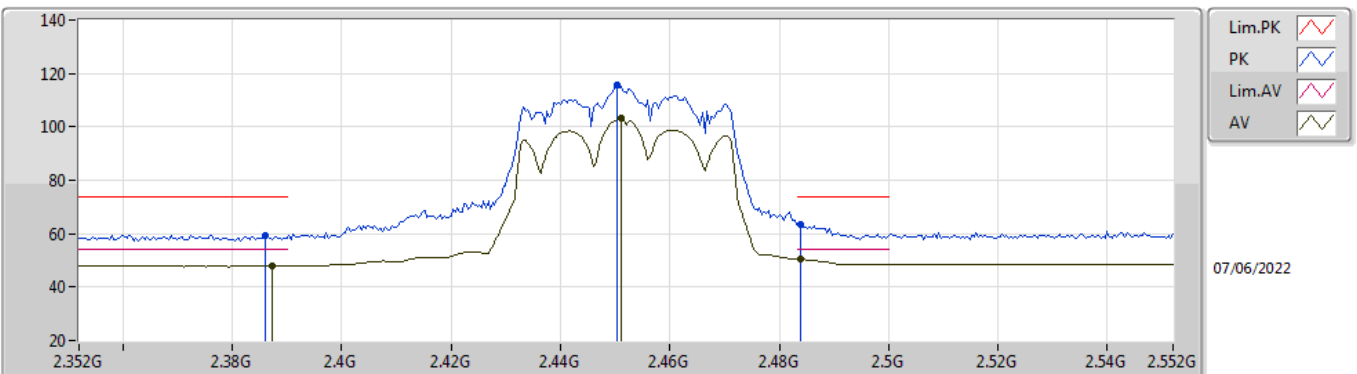
2452MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3564G	47.89	54.00	-6.11	12.42	3	Vertical	249	1.08	-	27.21	8.26	-
AV	2.4508G	100.35	Inf	-Inf	64.53	3	Vertical	249	1.08	-	27.50	8.32	-
AV	2.4835G	50.09	54.00	-3.91	14.05	3	Vertical	249	1.08	-	27.70	8.34	-
PK	2.3716G	59.94	74.00	-14.06	24.43	3	Vertical	249	1.08	-	27.24	8.27	-
PK	2.4512G	112.32	Inf	-Inf	76.49	3	Vertical	249	1.08	-	27.51	8.32	-
PK	2.4852G	65.20	74.00	-8.80	29.14	3	Vertical	249	1.08	-	27.71	8.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

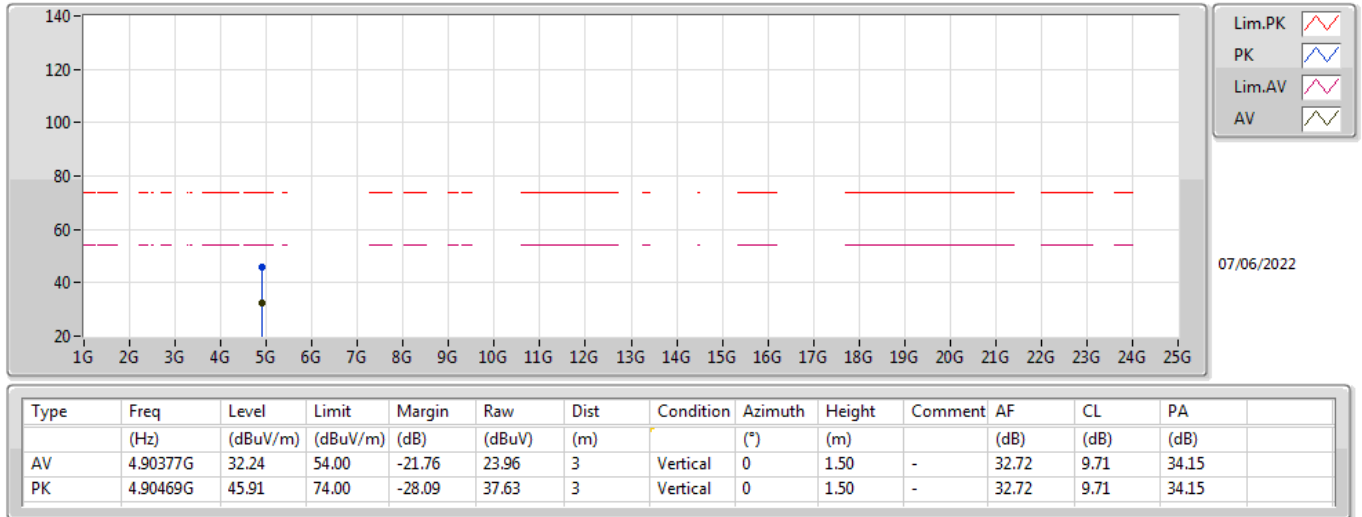
2452MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.3872G	47.90	54.00	-6.10	12.35	3	Horizontal	283	2.75	-	27.27	8.28	-
AV	2.4512G	103.10	Inf	-Inf	67.27	3	Horizontal	283	2.75	-	27.51	8.32	-
AV	2.484G	50.38	54.00	-3.62	14.34	3	Horizontal	283	2.75	-	27.70	8.34	-
PK	2.386G	59.37	74.00	-14.63	23.82	3	Horizontal	283	2.75	-	27.27	8.28	-
PK	2.4504G	115.58	Inf	-Inf	79.76	3	Horizontal	283	2.75	-	27.50	8.32	-
PK	2.484G	63.33	74.00	-10.67	27.29	3	Horizontal	283	2.75	-	27.70	8.34	-

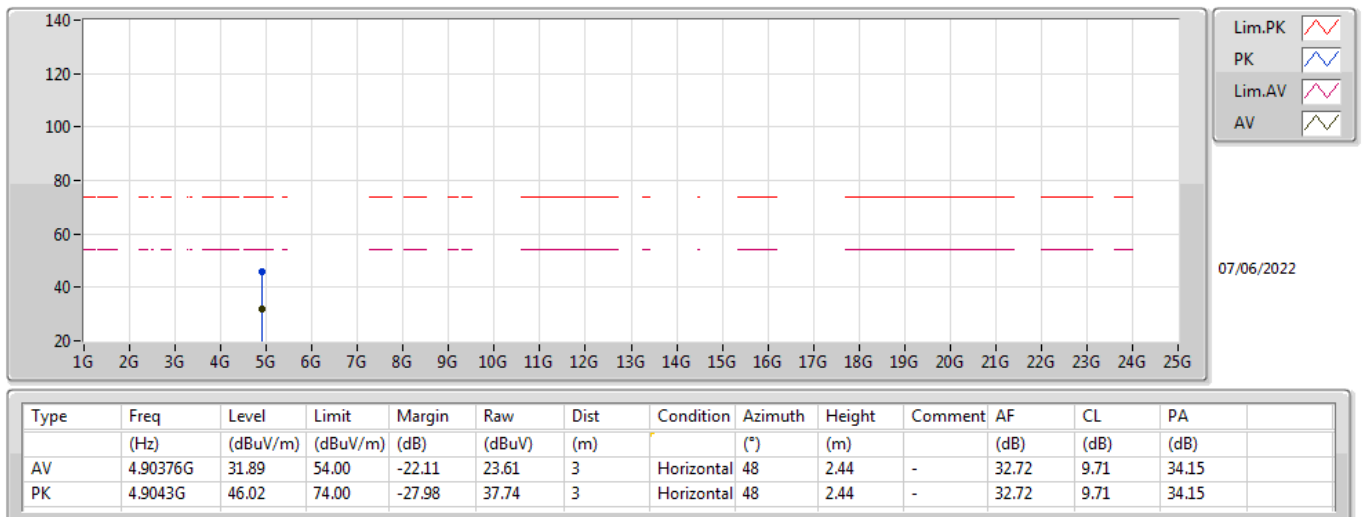
802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX





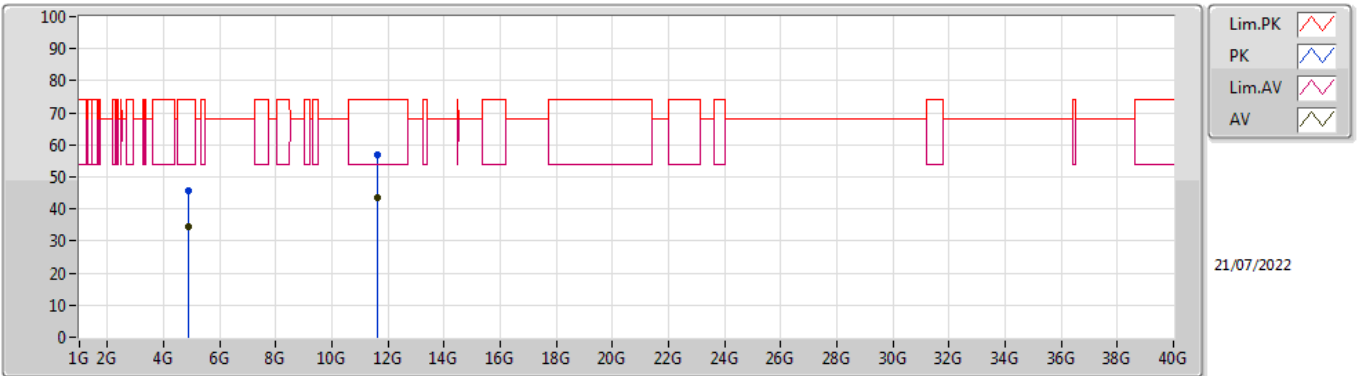
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	11.63916G	43.90	54.00	-10.10	Horizontal

Result

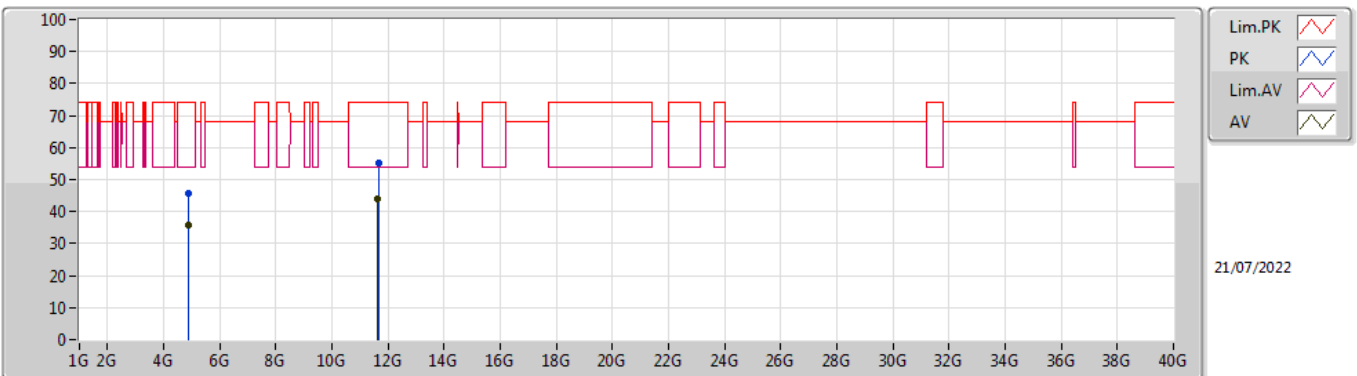
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.87394G	34.50	54.00	-19.50	3	Vertical	258	1.50	-
Mode 1	Pass	AV	11.63587G	43.71	54.00	-10.29	3	Vertical	93	3.00	-
Mode 1	Pass	PK	4.87412G	45.90	74.00	-28.10	3	Vertical	258	1.50	-
Mode 1	Pass	PK	11.64162G	56.85	74.00	-17.15	3	Vertical	93	3.00	-
Mode 1	Pass	AV	4.87394G	35.96	54.00	-18.04	3	Horizontal	65	2.23	-
Mode 1	Pass	AV	11.63916G	43.90	54.00	-10.10	3	Horizontal	106	1.50	-
Mode 1	Pass	PK	4.87394G	45.90	74.00	-28.10	3	Horizontal	65	2.23	-
Mode 1	Pass	PK	11.65581G	55.34	74.00	-18.66	3	Horizontal	106	1.50	-

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	4.87394G	34.50	54.00	-19.50	9.05	3	Vertical	258	1.50	-	25.45	32.75	6.30	30.00
AV	11.63587G	43.71	54.00	-10.29	17.91	3	Vertical	93	3.00	-	25.80	38.86	9.96	30.91
PK	4.87412G	45.90	74.00	-28.10	9.05	3	Vertical	258	1.50	-	36.85	32.75	6.30	30.00
PK	11.64162G	56.85	74.00	-17.15	17.91	3	Vertical	93	3.00	-	38.94	38.86	9.96	30.91

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	4.87394G	35.96	54.00	-18.04	9.05	3	Horizontal	65	2.23	-	26.91	32.75	6.30	30.00
AV	11.63916G	43.90	54.00	-10.10	17.91	3	Horizontal	106	1.50	-	25.99	38.86	9.96	30.91
PK	4.87394G	45.90	74.00	-28.10	9.05	3	Horizontal	65	2.23	-	36.85	32.75	6.30	30.00
PK	11.65581G	55.34	74.00	-18.66	17.90	3	Horizontal	106	1.50	-	37.44	38.84	9.97	30.91