

# FCC Radio Test Report

FCC ID : UIDX6  
Equipment : 11ax Tri-band Extender  
Brand Name : ARRIS  
Model Name : X6  
Applicant : ARRIS  
3871 Lakefield Drive Suite 300 SUWANEE Georgia  
United States 30024  
Manufacturer : Gemtek Technology  
No.15-1 Zhonghua Road, Hsinchu Industrial Park,  
Hukou, Hsinchu, Taiwan, R.O.C  
Standard : 47 CFR FCC Part 15.247

The product was received on Aug. 29, 2022, and testing was started from Sep. 14, 2022 and completed on Dec. 25, 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.)



# Table of Contents

**HISTORY OF THIS TEST REPORT .....3**

**SUMMARY OF TEST RESULT .....4**

**1 GENERAL DESCRIPTION .....5**

1.1 Information.....5

1.2 Testing Applied Standards .....8

1.3 Testing Location Information .....8

1.4 Measurement Uncertainty .....8

**2 TEST CONFIGURATION OF EUT.....9**

2.1 Test Channel Mode .....9

2.2 The Worst Case Measurement Configuration.....11

2.3 Accessories .....12

2.4 Support Equipment.....12

2.5 Test Setup Diagram .....13

**3 TRANSMITTER TEST RESULT .....15**

3.1 AC Power-line Conducted Emissions .....15

3.2 DTS Bandwidth.....17

3.3 Maximum Conducted Output Power .....18

3.4 Power Spectral Density .....20

3.5 Emissions in Non-restricted Frequency Bands .....21

3.6 Emissions in Restricted Frequency Bands.....22

**4 TEST EQUIPMENT AND CALIBRATION DATA.....26**

**APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS**

**APPENDIX B. TEST RESULTS OF DTS BANDWIDTH**

**APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER**

**APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY**

**APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS**

**APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS**

**APPENDIX G. TEST RESULTS OF RADIATED EMISSION CO-LOCATION**

**APPENDIX H. TEST PHOTOS**

**PHOTOGRAPHS OF EUT V01**





### Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and explanations:</b>
None

Reviewed by: Barry Hsiao

Report Producer: Michelle Tsai



# 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.
- ◆ HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ◆ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	Gemtek	LPVN-GM-TX-P-005	PCB	I-Pex	2.4GHz+5GHz
2	Gemtek	LPVN-GM-TX-P-006	PCB	I-Pex	2.4GHz+5GHz
3	Gemtek	LPVN-GM-TX-P-001	PCB	I-Pex	6GHz
4	Gemtek	LPVN-GM-TX-P-002	PCB	I-Pex	6GHz
5	Gemtek	LPVN-GM-TX-P-003	PCB	I-Pex	6GHz
6	Gemtek	LPVN-GM-TX-P-004	PCB	I-Pex	6GHz

Ant.	Port	Gain (dBi)									
		2.4GHz	5GHz				6GHz				
			U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	U-NII-5	U-NII-6	U-NII-7	U-NII-8	
1	1	3.78	2.01	1.76	2.74	2.04	-	-	-	-	
2	2	4.11	2.22	2.21	2.44	3.62	-	-	-	-	
3	1	-	-	-	-	-	2.62	2.46	2.28	3.06	
4	2	-	-	-	-	-	2.13	2.19	3.40	2.53	
5	3	-	-	-	-	-	2.96	2.22	2.03	3.37	
6	4	-	-	-	-	-	3.02	2.13	2.41	2.78	

Composite Gain (dBi)									
2.4GHz		5GHz							
		U-NII-1		U-NII-2A		U-NII-2C		U-NII-3	
2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S
4.46	4.11	2.65	2.22	2.78	2.21	3.08	2.74	4.24	3.62

Note 1: The EUT has six antennas.

**For 2.4GHz function:**

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

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

**For 5GHz function:**

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

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

**For 6GHz function:**

For IEEE 802.11 a/ax mode (4TX/4RX)

Ant. 3 (port 1) ~ Ant. 6 (port 4) could transmit/receive simultaneously.



1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.952	0.21	12.419m	100
802.11g_Nss1,(MCS0)_2TX	0.952	0.21	2.065m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20_Nss2,(MCS0)_2TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss1,(MCS0)_2TX	0.964	0.16	781.25u	3k
802.11ax HEW40_Nss2,(MCS0)_2TX	0.965	0.15	782.4u	3k

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

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.931	0.31	2.943m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.948	0.23	4.381m	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 662911 D03 v01
- ◆ KDB 414788 D01 v01r01

## 1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/>	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456	FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Wayne Chiu	22.1~22.7°C / 57~59%	03/Oct/2022
RF Conducted	TH01-HY	Luby hsu	23.3~25.1°C / 53~58%	27/Sep/2022~13/Oct/2022
<input checked="" type="checkbox"/>	Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)		
		TEL: 886-3-318-0787	FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH09-HY	Lego Lin	25.1~26.2°C / 55~60%	14/Sep/2022~24/Oct/2022
Radiated (Co-location)	03CH09-HY	Lego Lin	25.1~26.2°C / 55~60%	25/Dec/2022

## 1.4 Measurement Uncertainty

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

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

#### Non-Beamforming

Test Software Version	accessMTool_REL_3_2_1_5
-----------------------	-------------------------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	84
2417MHz	85
2437MHz	94
2457MHz	91
2462MHz	89
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	80
2417MHz	84
2437MHz	89
2457MHz	86
2462MHz	83
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	77
2417MHz	85
2437MHz	89
2457MHz	85
2462MHz	80
802.11ax HEW20_Nss2,(MCS0)_2TX	-
2412MHz	77
2417MHz	83
2437MHz	90
2457MHz	84
2462MHz	79
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	69
2427MHz	69
2437MHz	70
2452MHz	70



Mode	Power Setting
802.11ax HEW40_Nss2,(MCS0)_2TX	-
2422MHz	74
2437MHz	71
2452MHz	73

**Beamforming**




Test Software Version	Dos 6.1
-----------------------	---------

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	74
2417MHz	84
2437MHz	87
2457MHz	86
2462MHz	78
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	76
2437MHz	70
2452MHz	71

## 2.2 The Worst Case Measurement Configuration

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

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	2.4GHz WLAN + 5GHz WLAN + 6GHz WLAN
Refer to Sporton Test Report No.: FA282903 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	



### 2.3 Accessories

<b>AC Adapter 1 (US Plug)</b>	Brand Name	ASIAN POWER	Model Name	WB-24M12FU
	Power Rating	I/P:100-120Vac, 0.7A, O/P: 12Vdc, 2A		
	DC Power Cable	1.8 meter, non-shielded cable, w/o ferrite core		
<b>AC Adapter 2 (US Plug)</b>	Brand Name	NetBit	Model Name	NBS24M120200VU
	Power Rating	I/P:100-120Vac, 0.6A, O/P: 12Vdc, 2A		
	DC Power Cable	1.8 meter, non-shielded cable, w/o ferrite core		
<b>AC Adapter 3 (US Plug)</b>	Brand Name	NetBit	Model Name	NBS24N120200VU
	Power Rating	I/P:100-120Vac, 0.6A, O/P: 12Vdc, 2A		
	DC Power Cable	1.8 meter, non-shielded cable, w/o ferrite core		
<b>RJ45 Cable</b>	Category	CAT 5e	In/Out door	indoor
	Signal Line	1.5 meter, non-shielded cable		

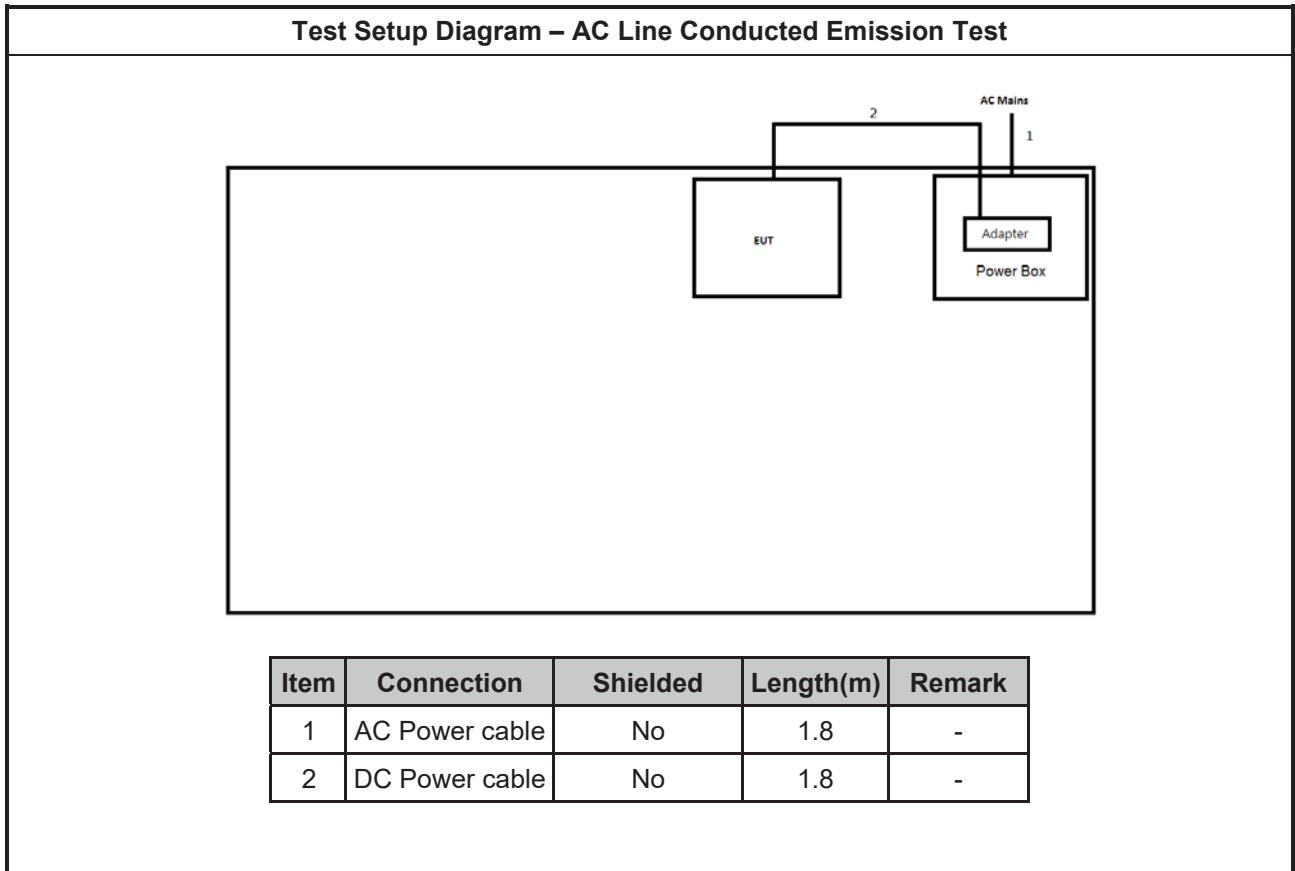
Reminder: Regarding to more detail and other information, please refer to user manual.

### 2.4 Support Equipment

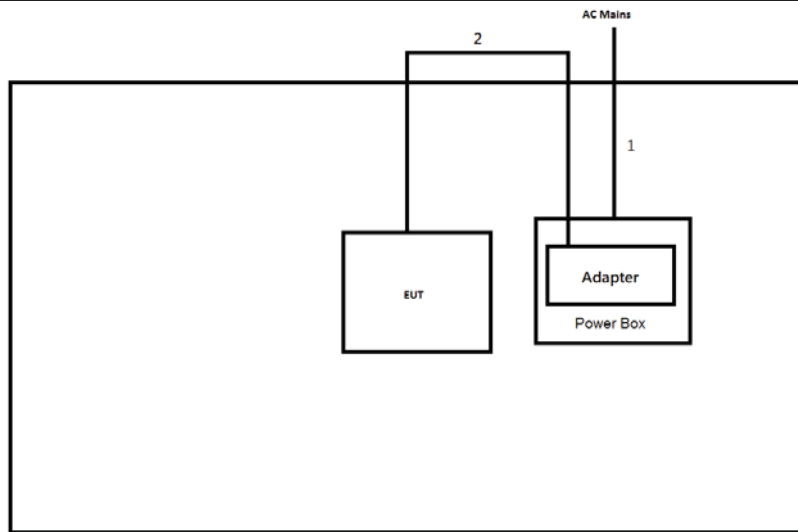
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	5220M	-	Remote
2	Adapter for NB	HP	PPP012L-E	-	Remote

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

## 2.5 Test Setup Diagram

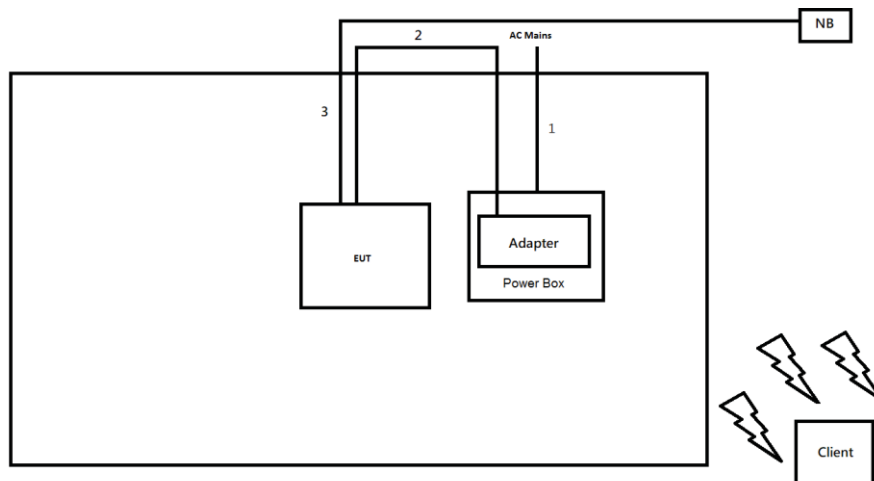


**Test Setup Diagram - Radiated Test (Non-Beamforming)**



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

**Test Setup Diagram - Radiated Test (Beamforming)**



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



### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

##### 3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: \* Decreases with the logarithm of the frequency.

##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

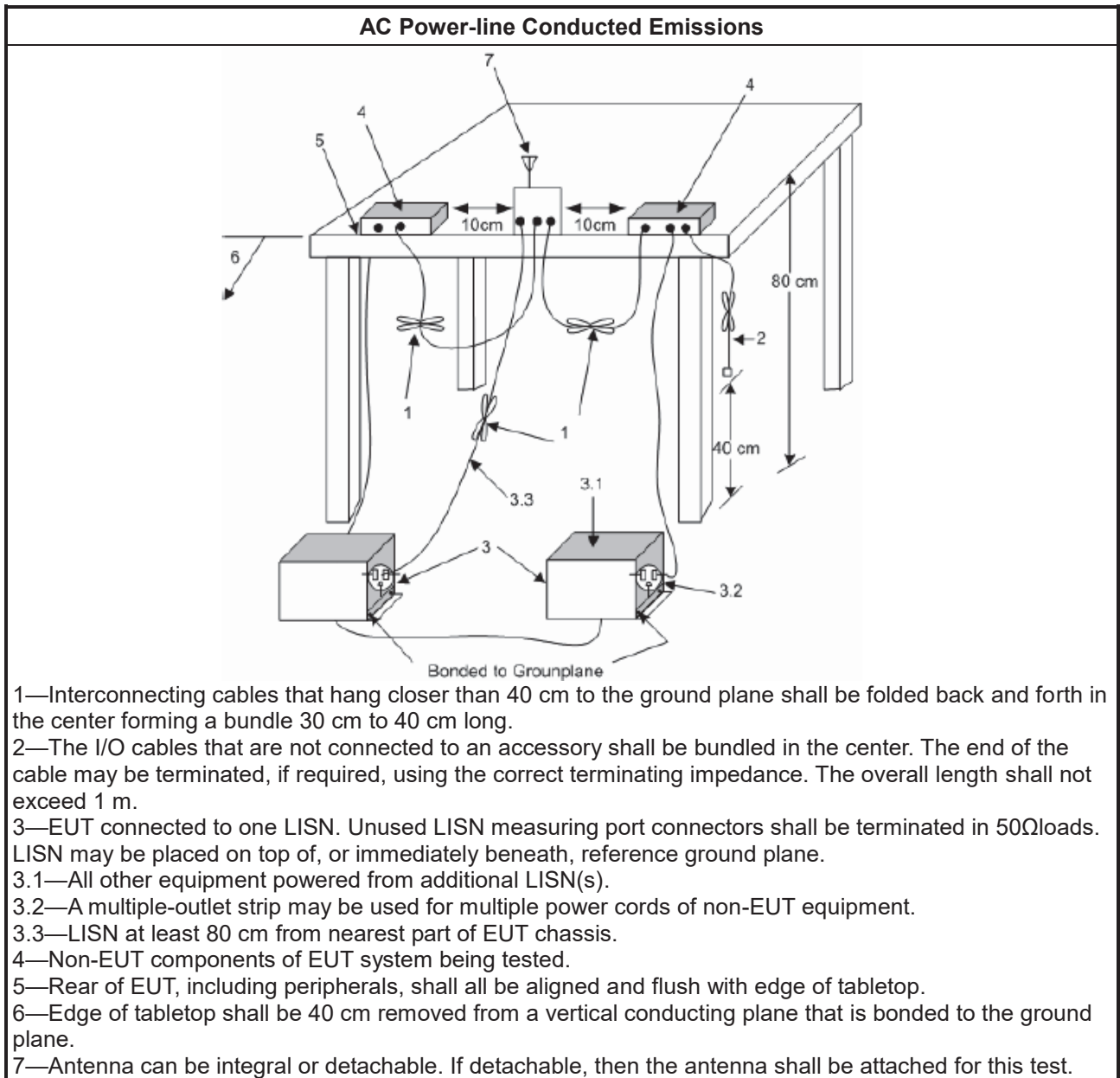
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

##### 3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.1.5 Test Setup



### 3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A



### 3.2 DTS Bandwidth

#### 3.2.1 6dB Bandwidth Limit

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

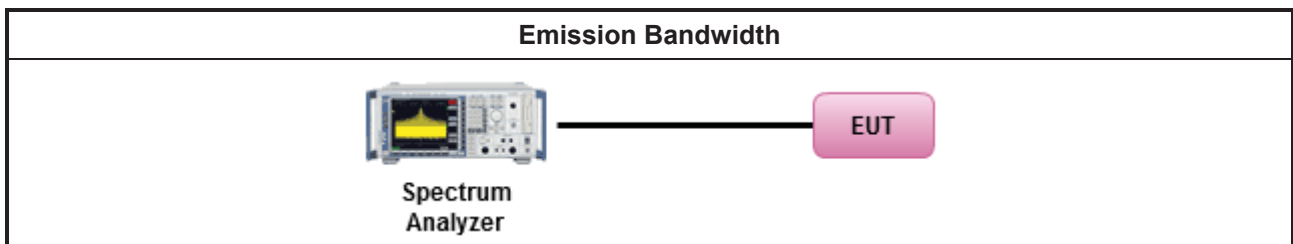
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/>	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
<input type="checkbox"/>	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

#### 3.2.4 Test Setup



#### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

### 3.3 Maximum Conducted Output Power

#### 3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	<ul style="list-style-type: none"> <li>▪ If <math>G_{TX} \leq 6</math> dBi, then <math>P_{Out} \leq 30</math> dBm (1 W)</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-point systems (P2P): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Smart antenna system (SAS):</li> </ul>
	<ul style="list-style-type: none"> <li>- Single beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Overlap beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Aggregate power on all beams: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3 + 8</math> dB dBm</li> </ul>
e.i.r.p. Power Limit:	
	<ul style="list-style-type: none"> <li>▪ 2400-2483.5 MHz Band</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): <math>P_{eirp} \leq 36</math> dBm (4 W)</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-point systems (P2P): <math>P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Smart antenna system (SAS)</li> </ul>
	<ul style="list-style-type: none"> <li>- Single beam: <math>P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Overlap beam: <math>P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Aggregate power on all beams: <math>P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])</math> dBm</li> </ul>
<p><math>P_{Out}</math> = maximum peak conducted output power or maximum conducted output power in dBm,  <math>G_{TX}</math> = the maximum transmitting antenna directional gain in dBi.</p>	

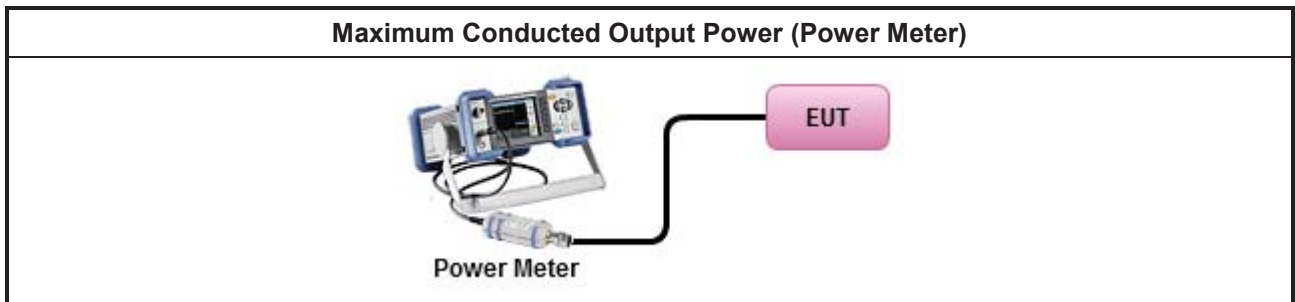
#### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ Maximum Peak Conducted Output Power</li> </ul>	
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
<ul style="list-style-type: none"> <li>▪ Maximum Average Conducted Output Power</li> </ul>	
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
<ul style="list-style-type: none"> <li>▪ For conducted measurement.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ If multiple transmit chains, EIRP calculation could be following as methods:  <math>P_{total} = P_1 + P_2 + \dots + P_n</math>                      (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>	

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

### 3.4 Power Spectral Density

#### 3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
<ul style="list-style-type: none"> <li>Power Spectral Density (PSD) <math>\leq</math> 8 dBm/3kHz</li> </ul>

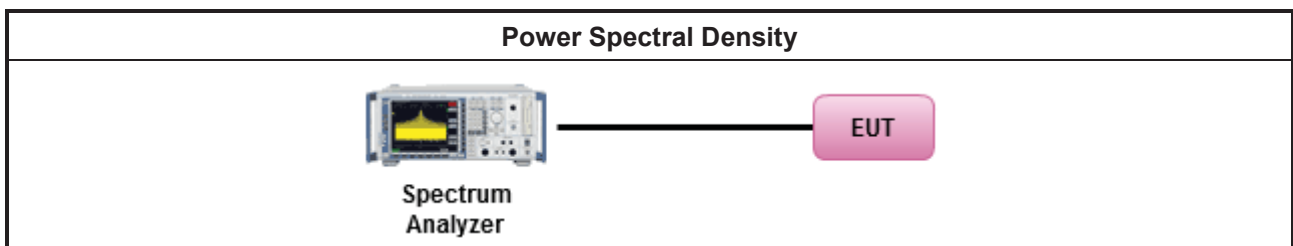
#### 3.4.2 Measuring Instruments

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

#### 3.4.3 Test Procedures

Test Method	
	<ul style="list-style-type: none"> <li>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).</li> </ul>
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
	<ul style="list-style-type: none"> <li>For conducted measurement.               <ul style="list-style-type: none"> <li>If The EUT supports multiple transmit chains using options given below:                   <ul style="list-style-type: none"> <li>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.</li> </ul> </li> </ul> </li> </ul>

#### 3.4.4 Test Setup



#### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

### 3.5 Emissions in Non-restricted Frequency Bands

#### 3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.

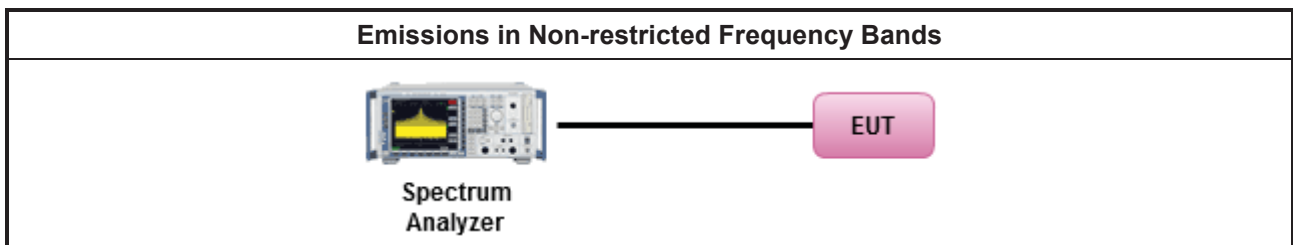
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> <li>Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.</li> </ul>

#### 3.5.4 Test Setup



#### 3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

### 3.6 Emissions in Restricted Frequency Bands

#### 3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

#### 3.6.2 Measuring Instruments

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

### 3.6.3 Test Procedures

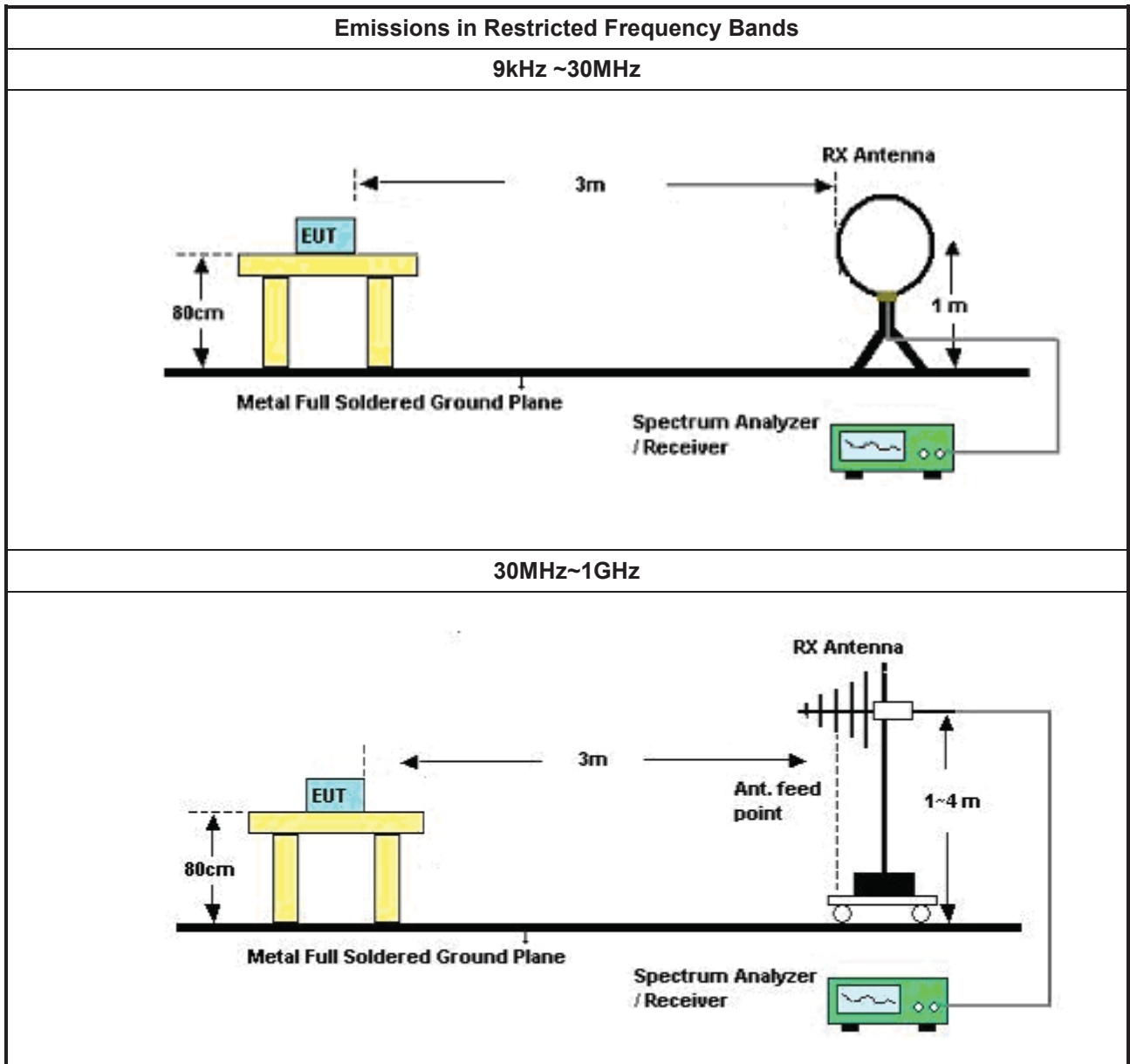
Test Method	
	<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ For the transmitter band-edge emissions shall be measured using following options below:</li> </ul>
	<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Use the following spectrum analyzer settings:</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Set RBW=100 kHz for <math>f &lt; 1</math> GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Set RBW = 1 MHz, VBW= 3MHz for <math>f \geq 1</math> GHz for peak measurement. For average measurement, refer as 1.1.4.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.</li> </ul>

### 3.6.4 Measurement Results Calculation

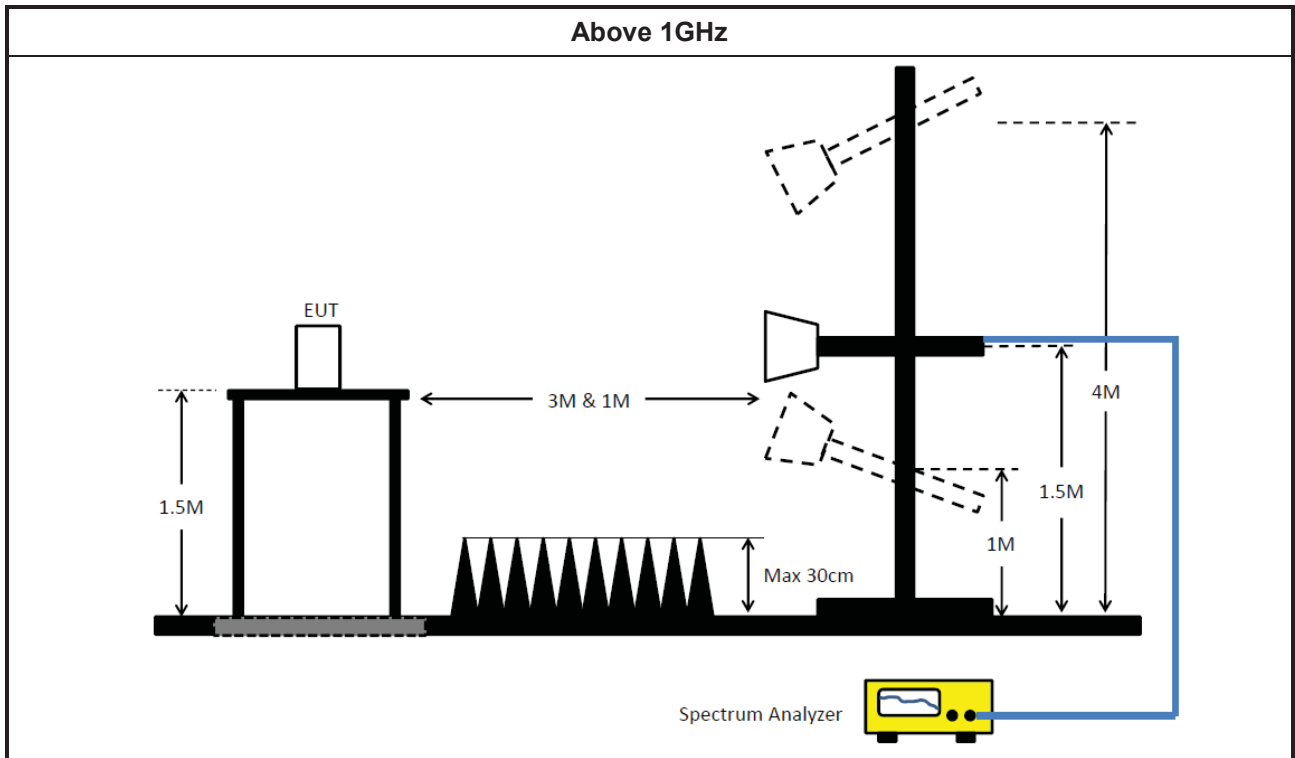
The measured Level is calculated using:

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

### 3.6.5 Test Setup







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

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

### 3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



## 4 Test Equipment and Calibration Data

### Instrument for AC Conduction

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

NCR: No Calibration Required

### Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	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	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	25/Mar/2022	24/Mar/2023
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	08/Apr/2022	07/Apr/2023
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	28/Aug/2022	27/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	27/Dec/2021	26/Dec/2022
RF Cable-R03m	Jye Bao	RG142	03CH09-cable-01	9kHz~30MHz	17/Aug/2022	16/Aug/2023
RF Cable-low	Jye Bao	RG142	CB031+324530/4	30MHz~1GHz	07/Feb/2022	06/Feb/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	13/May/2022	12/May/2023
SENSE-15247_DTS	Sporton	V5.10.8.7.3	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	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	27/Dec/2021	26/Dec/2022
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-EMI	Sporton	NA	V5.10.8.7	NA	NA	NA



**Summary**

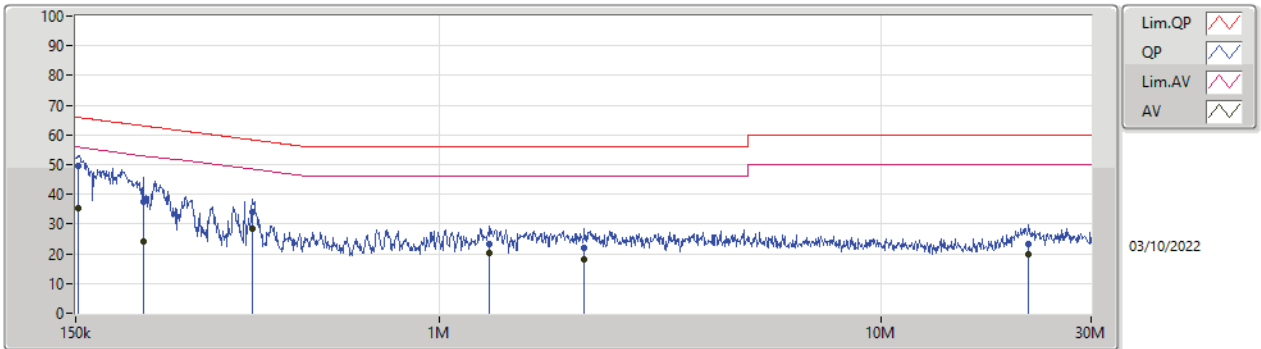
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	151.807k	49.75	65.90	-16.15	Line



Result

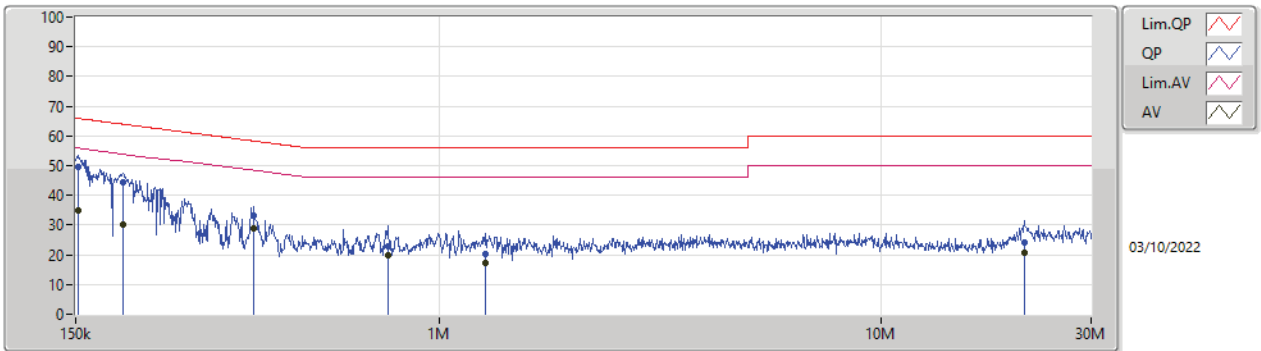
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	151.807k	49.75	65.90	-16.15	Line	-
Mode 1	Pass	AV	151.807k	35.34	55.90	-20.56	Line	-
Mode 1	Pass	QP	213.137k	37.60	63.07	-25.47	Line	-
Mode 1	Pass	AV	213.137k	24.19	53.07	-28.88	Line	-
Mode 1	Pass	QP	377.206k	34.01	58.33	-24.32	Line	-
Mode 1	Pass	AV	377.206k	28.32	48.33	-20.01	Line	-
Mode 1	Pass	QP	1.3M	23.44	56.00	-32.56	Line	-
Mode 1	Pass	AV	1.3M	20.07	46.00	-25.93	Line	-
Mode 1	Pass	QP	2.133M	22.10	56.00	-33.90	Line	-
Mode 1	Pass	AV	2.133M	18.31	46.00	-27.69	Line	-
Mode 1	Pass	QP	21.692M	23.30	60.00	-36.70	Line	-
Mode 1	Pass	AV	21.692M	19.86	50.00	-30.14	Line	-
Mode 1	Pass	QP	151.807k	49.73	65.90	-16.17	Neutral	-
Mode 1	Pass	AV	151.807k	35.03	55.90	-20.87	Neutral	-
Mode 1	Pass	QP	192.124k	44.50	63.93	-19.43	Neutral	-
Mode 1	Pass	AV	192.124k	30.23	53.93	-23.70	Neutral	-
Mode 1	Pass	QP	380.23k	33.01	58.28	-25.27	Neutral	-
Mode 1	Pass	AV	380.23k	28.99	48.28	-19.29	Neutral	-
Mode 1	Pass	QP	764.621k	22.77	56.00	-33.23	Neutral	-
Mode 1	Pass	AV	764.621k	19.97	46.00	-26.03	Neutral	-
Mode 1	Pass	QP	1.269M	20.21	56.00	-35.79	Neutral	-
Mode 1	Pass	AV	1.269M	17.34	46.00	-28.66	Neutral	-
Mode 1	Pass	QP	21.178M	24.18	60.00	-35.82	Neutral	-
Mode 1	Pass	AV	21.178M	20.63	50.00	-29.37	Neutral	-

Conducted Emissions at Powerline\_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	151.807k	49.75	65.90	-16.15	19.63	Line	-	30.12	9.69	0.03	9.91
AV	151.807k	35.34	55.90	-20.56	19.63	Line	-	15.71	9.69	0.03	9.91
QP	213.137k	37.60	63.07	-25.47	19.63	Line	-	17.97	9.69	0.03	9.91
AV	213.137k	24.19	53.07	-28.88	19.63	Line	-	4.56	9.69	0.03	9.91
QP	377.206k	34.01	58.33	-24.32	19.63	Line	-	14.38	9.68	0.04	9.91
AV	377.206k	28.32	48.33	-20.01	19.63	Line	-	8.69	9.68	0.04	9.91
QP	1.3M	23.44	56.00	-32.56	19.67	Line	-	3.77	9.69	0.06	9.92
AV	1.3M	20.07	46.00	-25.93	19.67	Line	-	0.40	9.69	0.06	9.92
QP	2.133M	22.10	56.00	-33.90	19.70	Line	-	2.40	9.70	0.08	9.92
AV	2.133M	18.31	46.00	-27.69	19.70	Line	-	-1.39	9.70	0.08	9.92
QP	21.692M	23.30	60.00	-36.70	20.00	Line	-	3.30	9.79	0.28	9.93
AV	21.692M	19.86	50.00	-30.14	20.00	Line	-	-0.14	9.79	0.28	9.93

Conducted Emissions at Powerline\_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	151.807k	49.73	65.90	-16.17	19.67	Neutral	-	30.06	9.73	0.03	9.91
AV	151.807k	35.03	55.90	-20.87	19.67	Neutral	-	15.36	9.73	0.03	9.91
QP	192.124k	44.50	63.93	-19.43	19.66	Neutral	-	24.84	9.72	0.03	9.91
AV	192.124k	30.23	53.93	-23.70	19.66	Neutral	-	10.57	9.72	0.03	9.91
QP	380.23k	33.01	58.28	-25.27	19.67	Neutral	-	13.34	9.72	0.04	9.91
AV	380.23k	28.99	48.28	-19.29	19.67	Neutral	-	9.32	9.72	0.04	9.91
QP	764.621k	22.77	56.00	-33.23	19.70	Neutral	-	3.07	9.73	0.05	9.92
AV	764.621k	19.97	46.00	-26.03	19.70	Neutral	-	0.27	9.73	0.05	9.92
QP	1.269M	20.21	56.00	-35.79	19.71	Neutral	-	0.50	9.73	0.06	9.92
AV	1.269M	17.34	46.00	-28.66	19.71	Neutral	-	-2.37	9.73	0.06	9.92
QP	21.178M	24.18	60.00	-35.82	20.22	Neutral	-	3.96	10.01	0.28	9.93
AV	21.178M	20.63	50.00	-29.37	20.22	Neutral	-	0.41	10.01	0.28	9.93



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	7.575M	12.544M	12M5G1D	6.075M	10.22M
802.11g_Nss1,(6Mbps)_2TX	16.325M	16.942M	16M9D1D	16.325M	16.867M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.9M	19.115M	19M1D1D	18.65M	19.04M
802.11ax HEW20_Nss2,(MCS0)_2TX	18.9M	19.115M	19M1D1D	18.65M	19.027M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.45M	37.881M	37M9D1D	36.65M	37.681M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.45M	37.662M	37M7D1D	36.35M	37.515M

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	7.075M	10.345M	7.025M	10.22M
2437MHz	Pass	500k	6.575M	12.294M	7.575M	12.544M
2462MHz	Pass	500k	6.075M	10.47M	7.05M	10.695M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.892M	16.325M	16.867M
2437MHz	Pass	500k	16.325M	16.892M	16.325M	16.917M
2462MHz	Pass	500k	16.325M	16.867M	16.325M	16.942M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.675M	19.065M	18.675M	19.065M
2437MHz	Pass	500k	18.9M	19.115M	18.65M	19.09M
2462MHz	Pass	500k	18.825M	19.04M	18.825M	19.04M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.75M	19.09M	18.65M	19.065M
2437MHz	Pass	500k	18.8M	19.115M	18.7M	19.09M
2462MHz	Pass	500k	18.675M	19.027M	18.9M	19.027M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.4M	37.831M	36.95M	37.831M
2437MHz	Pass	500k	36.65M	37.681M	37.05M	37.781M
2452MHz	Pass	500k	37.45M	37.881M	37.05M	37.831M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.85M	37.564M	36.95M	37.564M
2437MHz	Pass	500k	37.35M	37.564M	37.45M	37.515M
2452MHz	Pass	500k	36.35M	37.662M	37.4M	37.613M

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

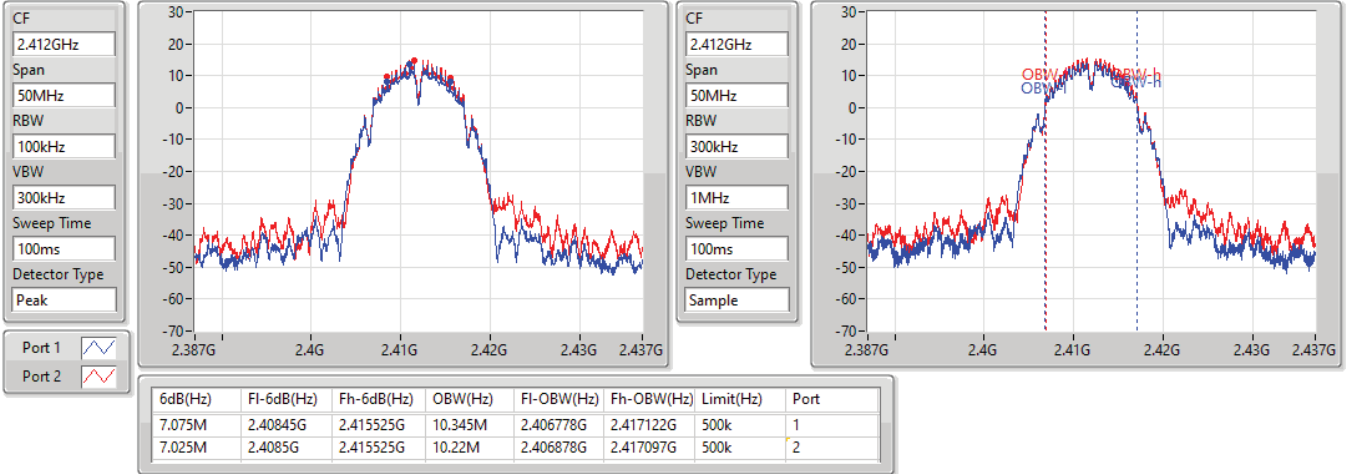


802.11b\_Nss1,(1Mbps)\_2TX

EBW

2412MHz

27/09/2022

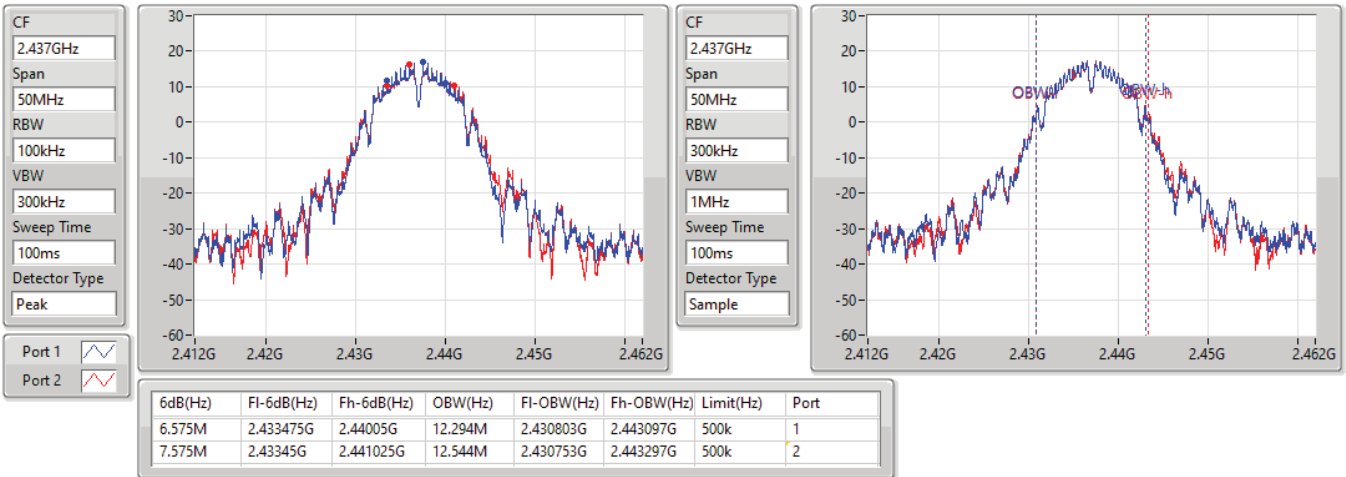


802.11b\_Nss1,(1Mbps)\_2TX

EBW

2437MHz

27/09/2022



802.11b\_Nss1,(1Mbps)\_2TX

EBW

2462MHz

27/09/2022

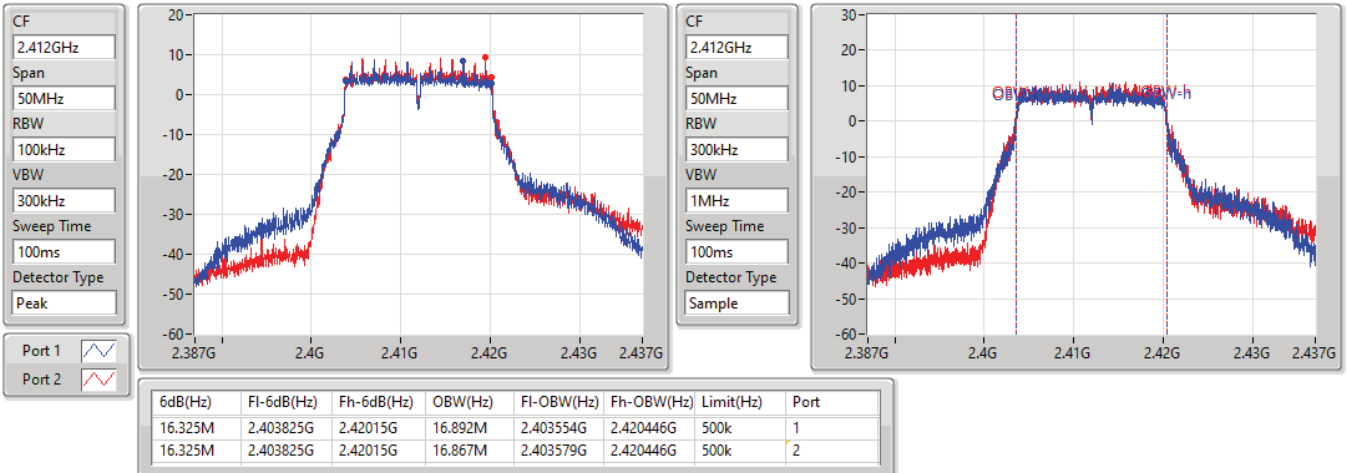


802.11g\_Nss1,(6Mbps)\_2TX

EBW

2412MHz

27/09/2022



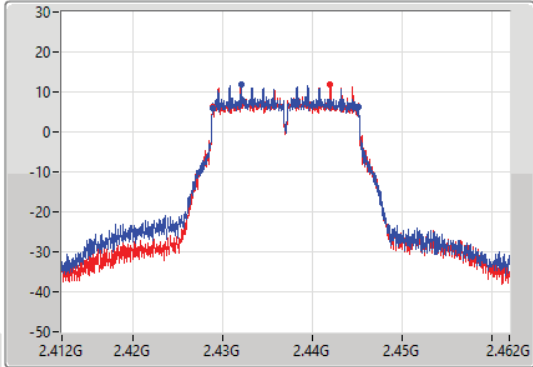
802.11g\_Nss1,(6Mbps)\_2TX

EBW

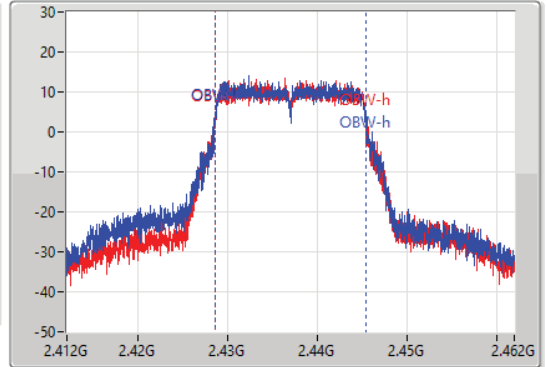
2437MHz

27/09/2022

CF  
2.437GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
2.437GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.892M	2.428554G	2.445446G	500k	1
16.325M	2.428825G	2.44515G	16.917M	2.428529G	2.445446G	500k	2

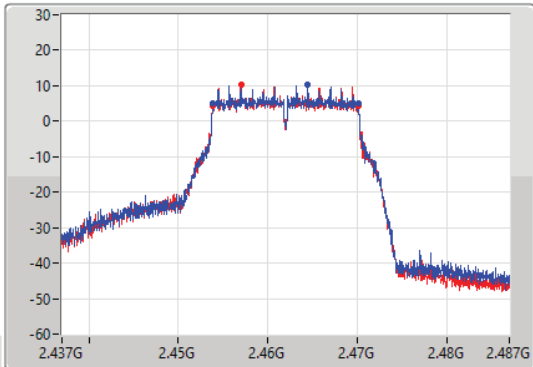
802.11g\_Nss1,(6Mbps)\_2TX

EBW

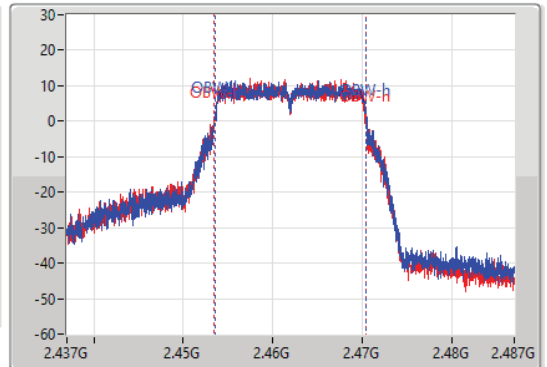
2462MHz

27/09/2022

CF  
2.462GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
2.462GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



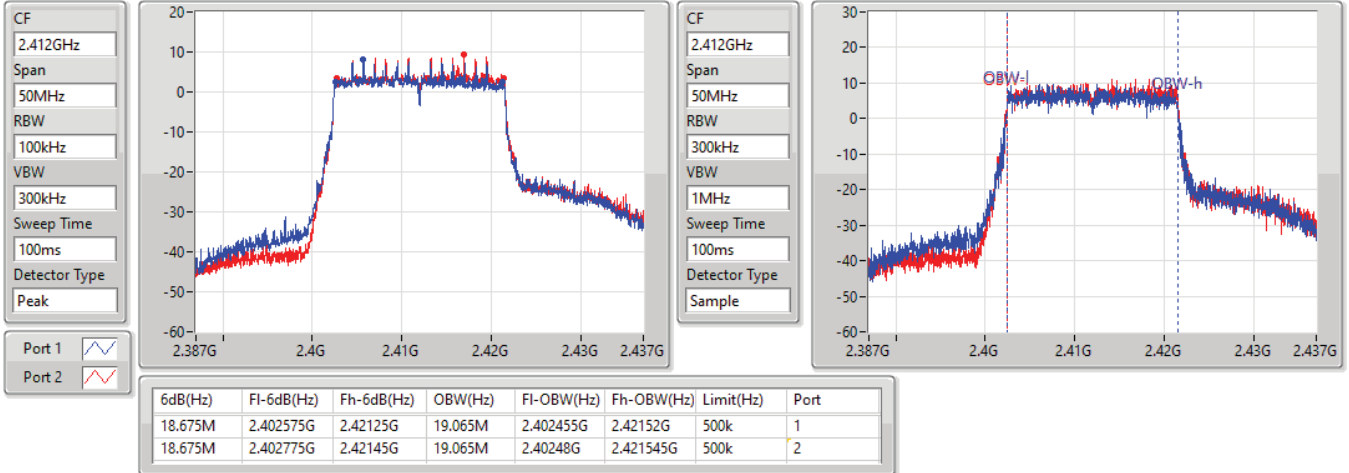
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.867M	2.453529G	2.470396G	500k	1
16.325M	2.453825G	2.47015G	16.942M	2.453454G	2.470396G	500k	2

802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

27/09/2022

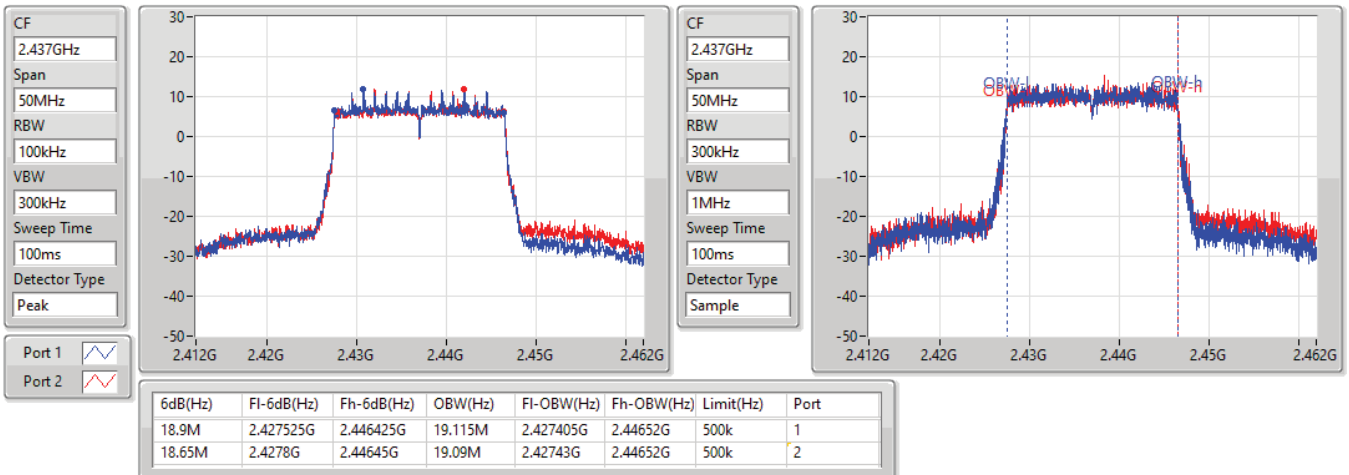


802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2437MHz

27/09/2022



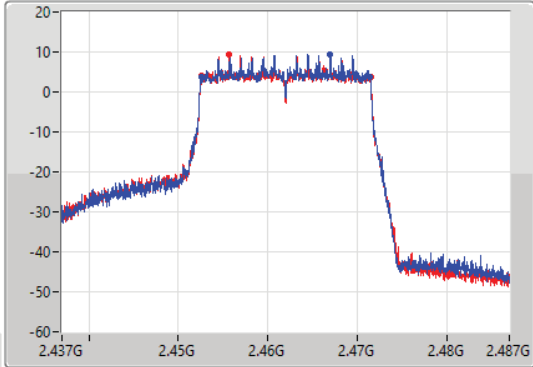
802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

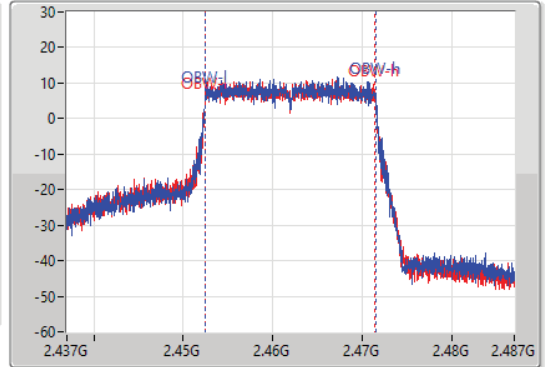
2462MHz

27/09/2022

CF  
2.462GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
2.462GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.825M	2.4526G	2.471425G	19.04M	2.452455G	2.471495G	500k	1
18.825M	2.45265G	2.471475G	19.04M	2.45243G	2.47147G	500k	2

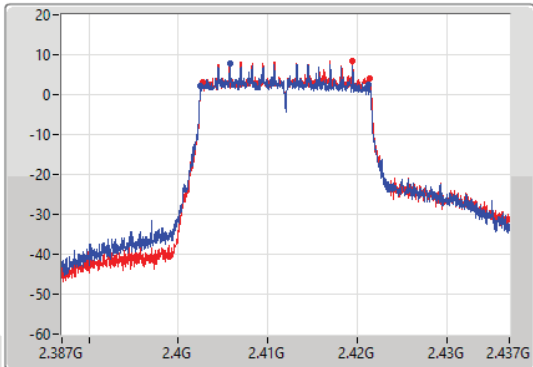
802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

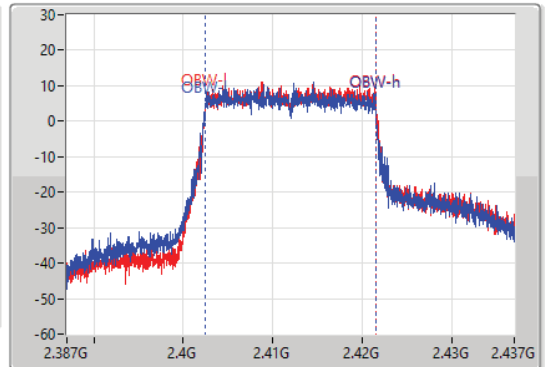
2412MHz

27/09/2022

CF  
2.412GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
2.412GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



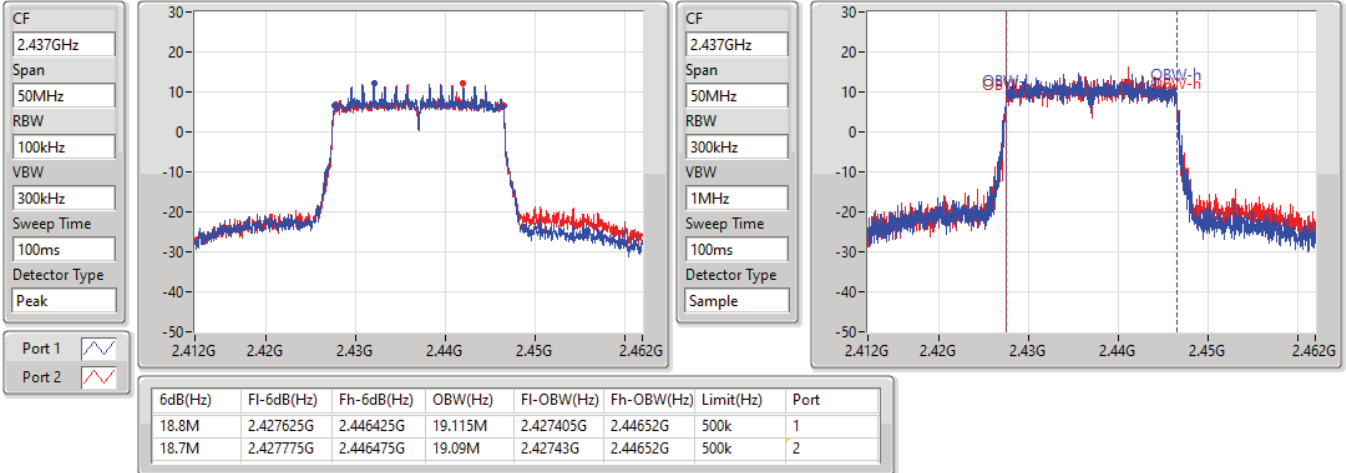
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.75M	2.4025G	2.42125G	19.09M	2.40243G	2.42152G	500k	1
18.65M	2.40275G	2.4214G	19.065M	2.40248G	2.421545G	500k	2

802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

2437MHz

27/09/2022

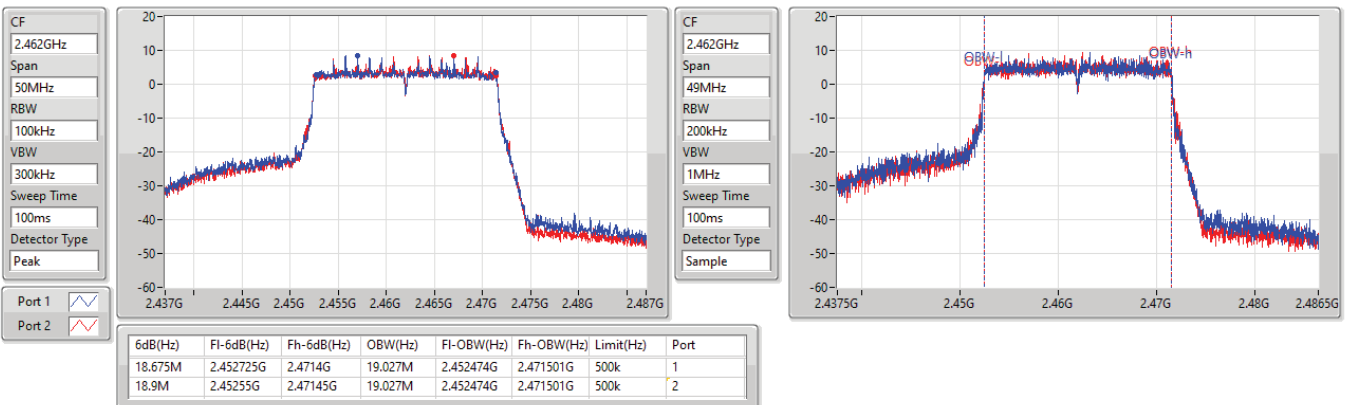


2.4-2.4835GHz\_802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

2462MHz

13/10/2022

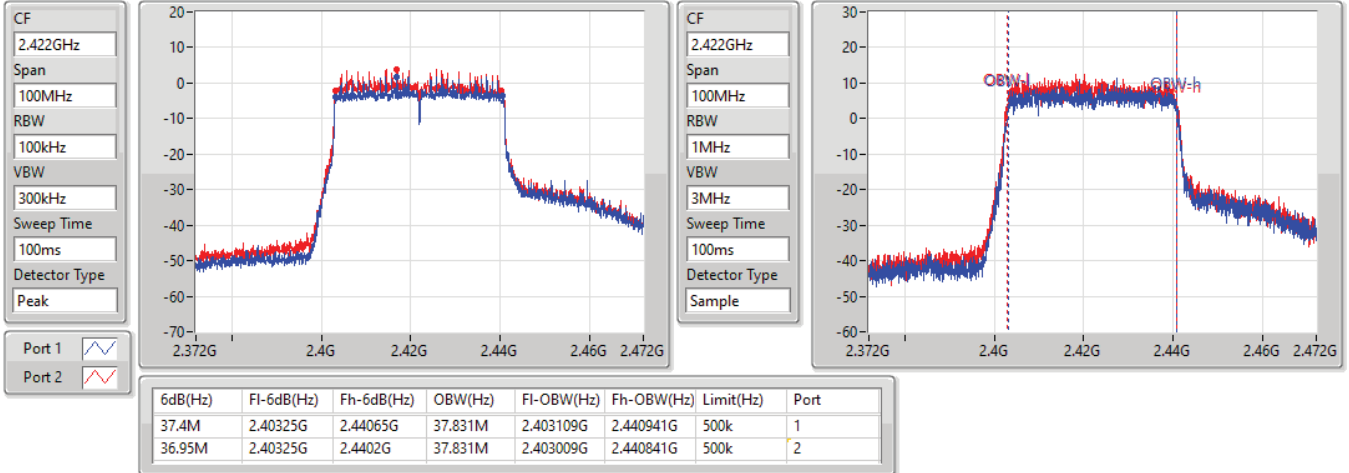


802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2422MHz

27/09/2022

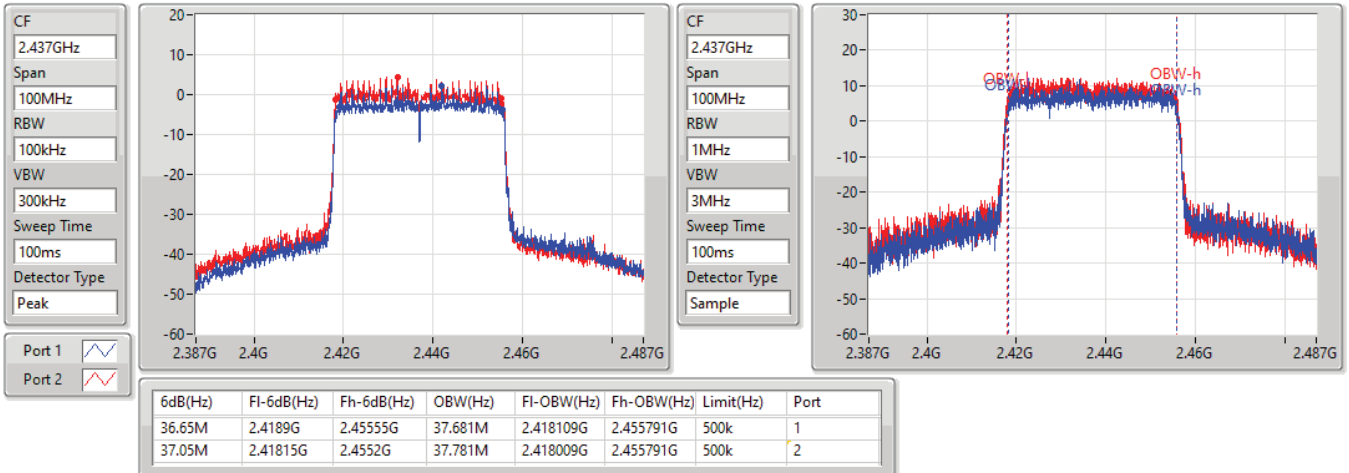


802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2437MHz

27/09/2022

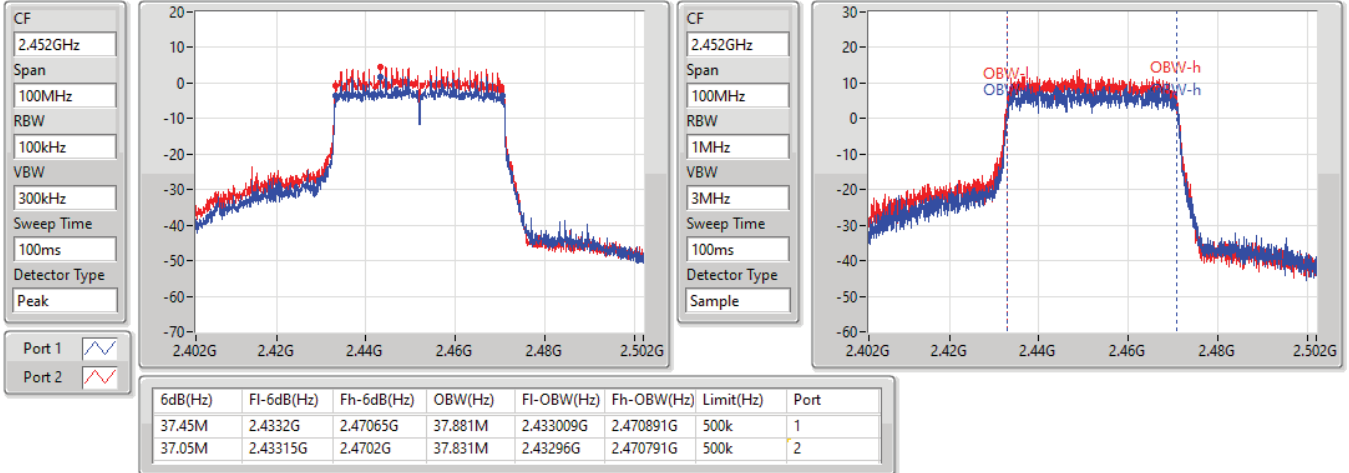


802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2452MHz

27/09/2022

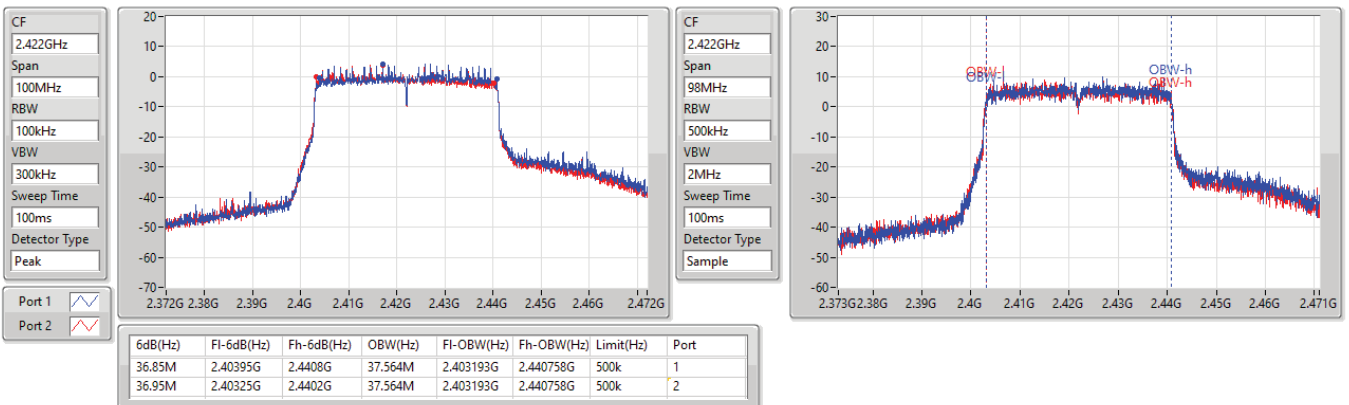


2.4-2.4835GHz\_802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

2422MHz

13/10/2022

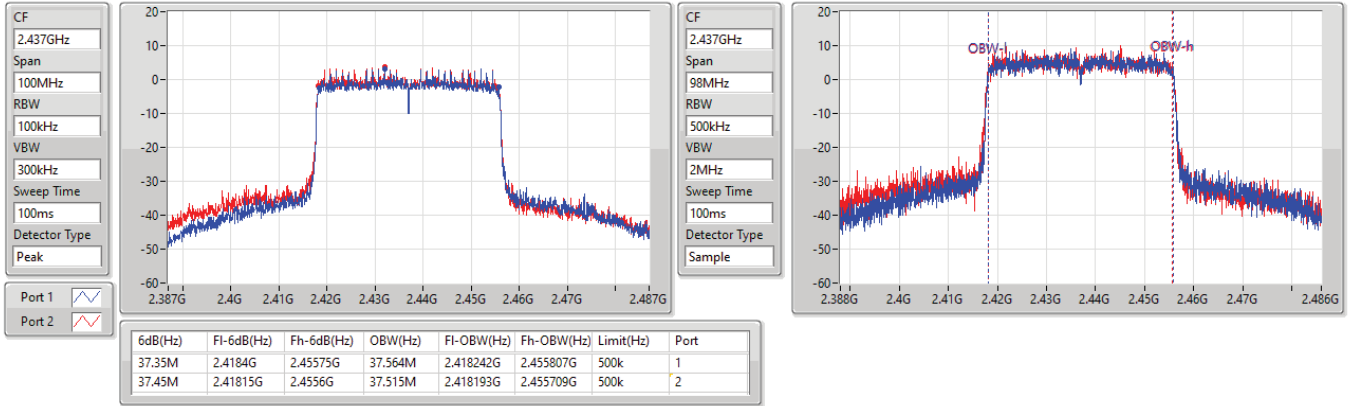




2.4-2.4835GHz\_802.11ax HEW40\_Nss2,(MCS0)\_2TX  
2437MHz

EBW

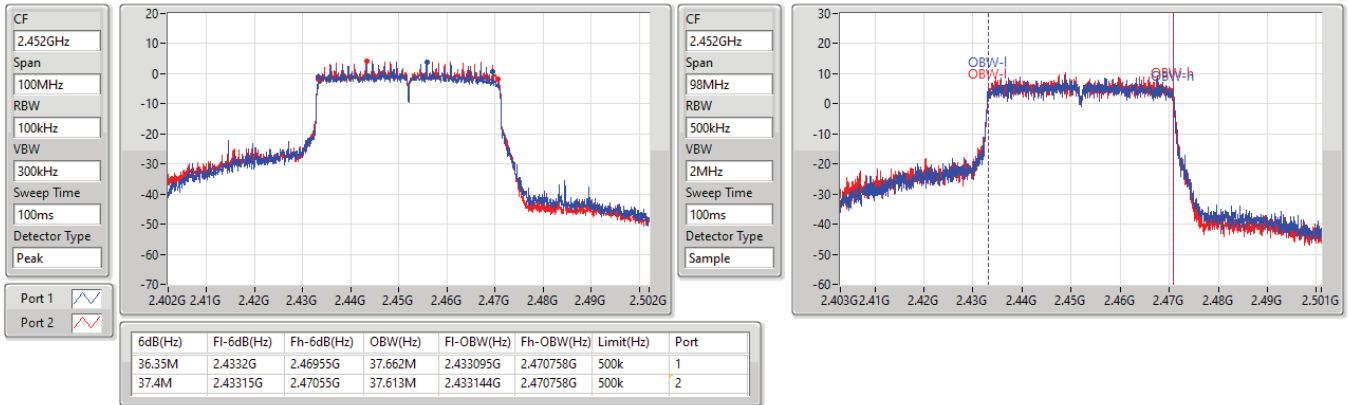
13/10/2022



2.4-2.4835GHz\_802.11ax HEW40\_Nss2,(MCS0)\_2TX  
2452MHz

EBW

13/10/2022





**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19M	19.051M	19M1D1D	18.9M	19.002M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.9M	37.613M	37M6D1D	35.4M	37.417M

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



**Result**

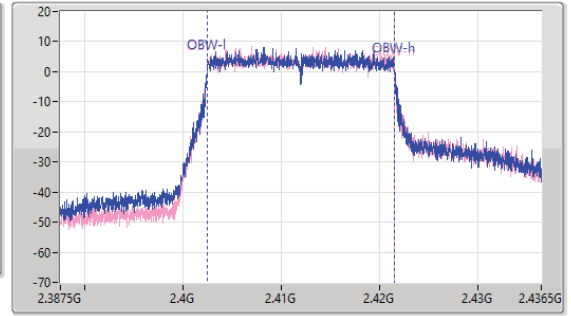
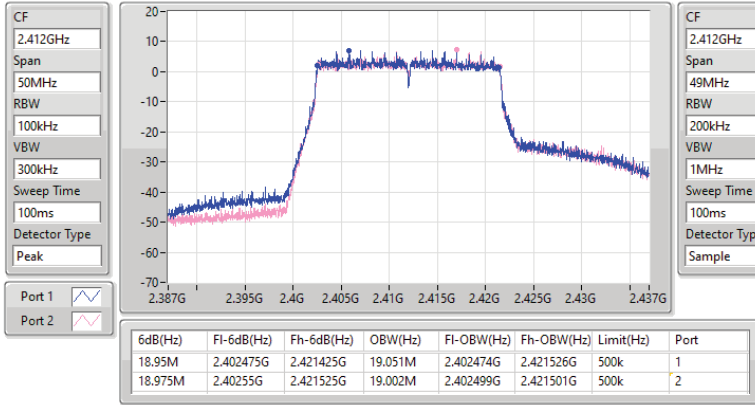
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.95M	19.051M	18.975M	19.002M
2437MHz	Pass	500k	18.9M	19.002M	19M	19.051M
2462MHz	Pass	500k	18.9M	19.002M	18.9M	19.002M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.75M	37.613M	35.4M	37.613M
2437MHz	Pass	500k	37.9M	37.417M	37.3M	37.515M
2452MHz	Pass	500k	37.35M	37.515M	37M	37.613M

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

2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX  
2412MHz

EBW

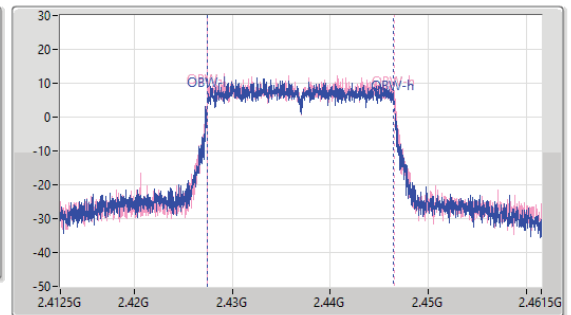
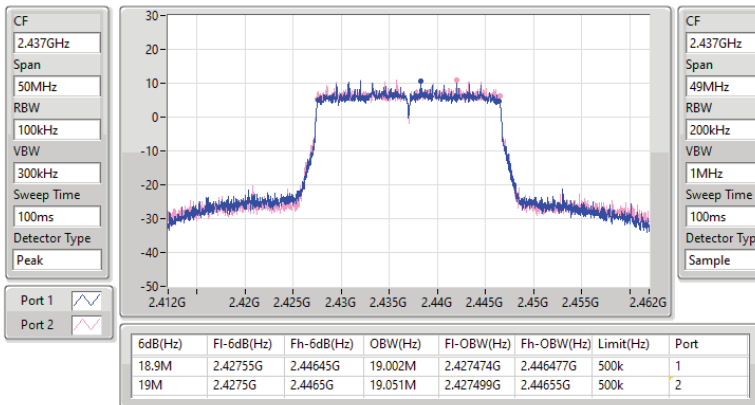
06/10/2022



2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX  
2437MHz

EBW

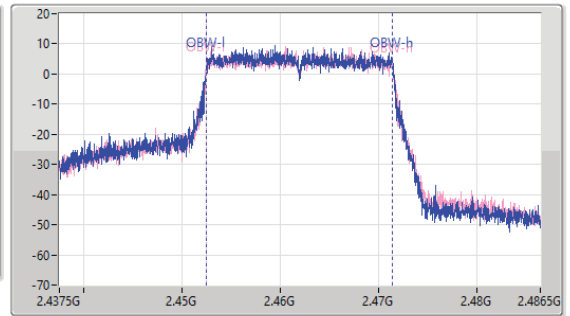
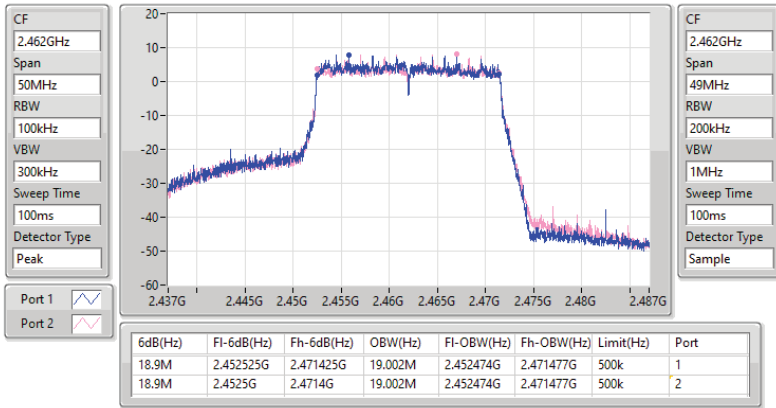
06/10/2022



2.4-2.4835GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX  
2462MHz

EBW

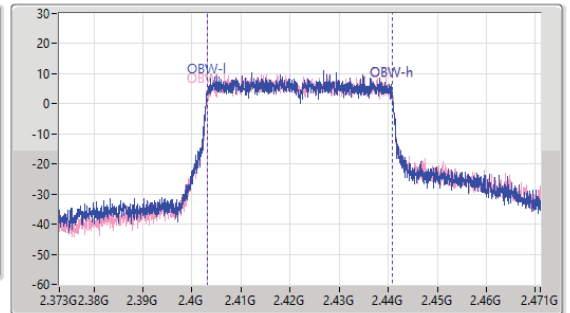
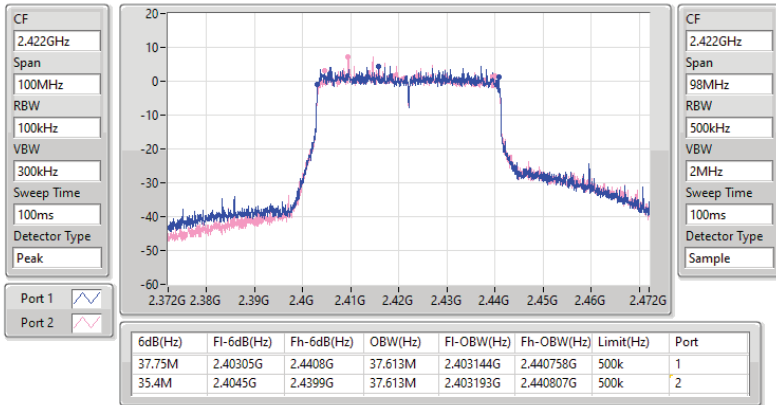
06/10/2022



2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX  
2422MHz

EBW

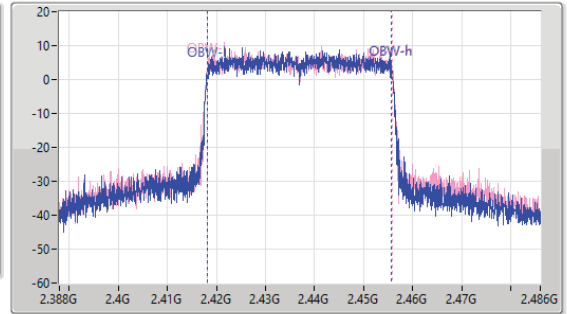
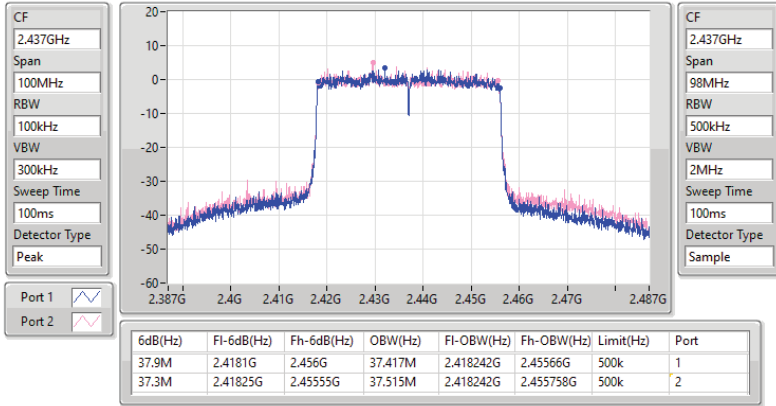
06/10/2022



2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX  
2437MHz

EBW

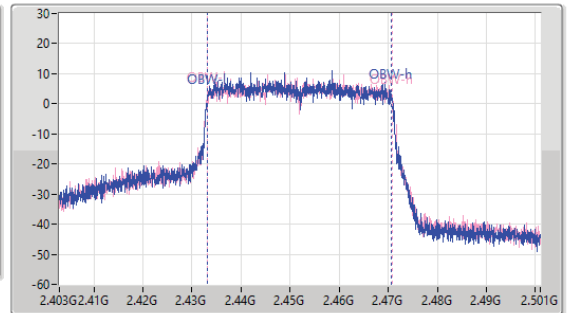
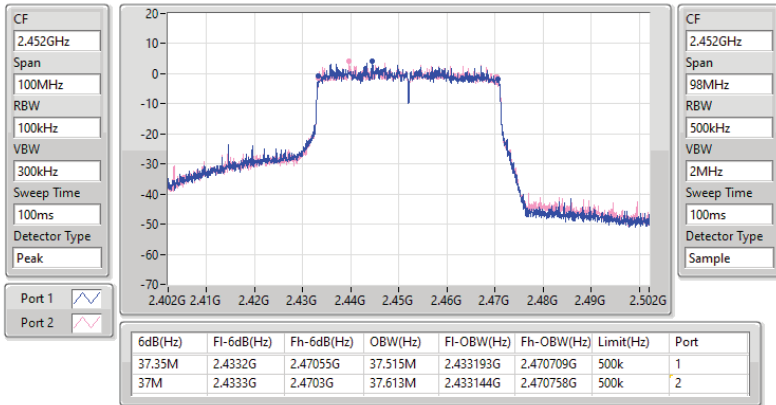
06/10/2022



2.4-2.4835GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX  
2452MHz

EBW

06/10/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	27.03	0.50466
802.11g_Nss1,(6Mbps)_2TX	24.97	0.31405
802.11ax HEW20_Nss1,(MCS0)_2TX	25.07	0.32137
802.11ax HEW20_Nss2,(MCS0)_2TX	25.34	0.34198
802.11ax HEW40_Nss1,(MCS0)_2TX	21.07	0.12794
802.11ax HEW40_Nss2,(MCS0)_2TX	20.97	0.12503



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.11	20.87	22.1	24.54	30.00
417MHz	Pass	4.11	20.81	22.07	24.50	30.00
2437MHz	Pass	4.11	23.99	24.05	27.03	30.00
2457MHz	Pass	4.11	23.66	23.54	26.61	30.00
2462MHz	Pass	4.11	23.22	23.24	26.24	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.11	18.74	19.7	22.26	30.00
2417MHz	Pass	4.11	19.92	20.74	23.36	30.00
2437MHz	Pass	4.11	22.08	21.83	24.97	30.00
2457MHz	Pass	4.11	21.41	21.26	24.35	30.00
2462MHz	Pass	4.11	20.42	20.35	23.40	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.11	18.26	19.01	21.66	30.00
2417MHz	Pass	4.11	20.41	21	23.73	30.00
2437MHz	Pass	4.11	22.15	21.96	25.07	30.00
2457MHz	Pass	4.11	21.09	21.11	24.11	30.00
2462MHz	Pass	4.11	19.74	19.58	22.67	30.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.11	18	18.81	21.43	30.00
2417MHz	Pass	4.11	19.65	20.26	22.98	30.00
2437MHz	Pass	4.11	22.29	22.36	25.34	30.00
2457MHz	Pass	4.11	20.96	20.65	23.82	30.00
2462MHz	Pass	4.11	19.36	19.47	22.43	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.11	17.51	18.54	21.07	30.00
2427MHz	Pass	4.11	17.06	18.15	20.65	30.00
2437MHz	Pass	4.11	16.99	17.28	20.15	30.00
2452MHz	Pass	4.11	16.95	18.78	20.97	30.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.11	17.99	17.93	20.97	30.00
2437MHz	Pass	4.11	17.70	18.03	20.88	30.00
2452MHz	Pass	4.11	17.89	17.95	20.93	30.00

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





**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	24.75	0.29854
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.86	0.15346



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	4.46	17.81	18.11	20.97	30.00
2417MHz	Pass	4.46	20.52	20.59	23.57	30.00
2437MHz	Pass	4.46	21.39	22.06	24.75	30.00
2457MHz	Pass	4.46	21.62	21.69	24.67	30.00
2462MHz	Pass	4.46	19.26	19.05	22.17	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.46	18.45	19.21	21.86	30.00
2437MHz	Pass	4.46	17.48	18.41	20.98	30.00
2452MHz	Pass	4.46	17.84	17.45	20.66	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	4.42
802.11g_Nss1,(6Mbps)_2TX	-0.78
802.11ax HEW20_Nss1,(MCS0)_2TX	-0.65
802.11ax HEW20_Nss2,(MCS0)_2TX	-0.05
802.11ax HEW40_Nss1,(MCS0)_2TX	-8.51
802.11ax HEW40_Nss2,(MCS0)_2TX	-8.04

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	4.46	-0.66	-0.95	1.68	8.00
2437MHz	Pass	4.46	2.30	2.92	4.42	8.00
2462MHz	Pass	4.46	1.32	0.70	3.06	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.46	-6.46	-6.01	-3.72	8.00
2437MHz	Pass	4.46	-3.17	-3.81	-0.78	8.00
2462MHz	Pass	4.46	-4.92	-3.52	-2.18	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.46	-6.18	-5.56	-2.85	8.00
2437MHz	Pass	4.46	-3.66	-3.05	-0.65	8.00
2462MHz	Pass	4.46	-6.43	-4.53	-2.37	8.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.11	-6.32	-6.70	-3.50	8.00
2437MHz	Pass	4.11	-1.99	-4.10	-0.05	8.00
2462MHz	Pass	4.11	-5.61	-7.54	-4.50	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.46	-13.45	-10.89	-9.08	8.00
2437MHz	Pass	4.46	-13.11	-10.53	-9.04	8.00
2452MHz	Pass	4.46	-12.50	-10.72	-8.51	8.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.11	-11.32	-10.58	-8.04	8.00
2437MHz	Pass	4.11	-11.09	-11.55	-8.76	8.00
2452MHz	Pass	4.11	-11.83	-10.43	-8.07	8.00

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

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2412MHz

27/09/2022

CF  
2.412GHz

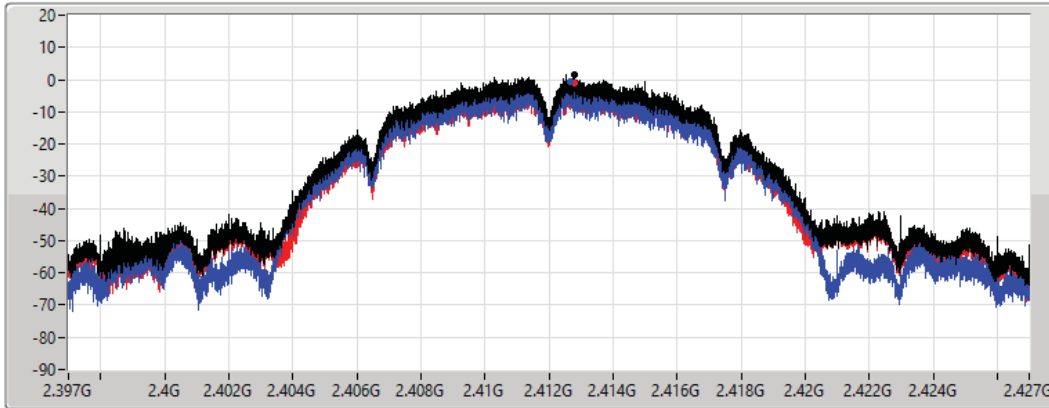
Span  
30MHz


RBW  
3kHz


VBW  
10kHz


Sweep Time  
4.424357ms

Detector Type  
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.68	1.68	-0.66	-0.95

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2437MHz

27/09/2022

CF  
2.437GHz

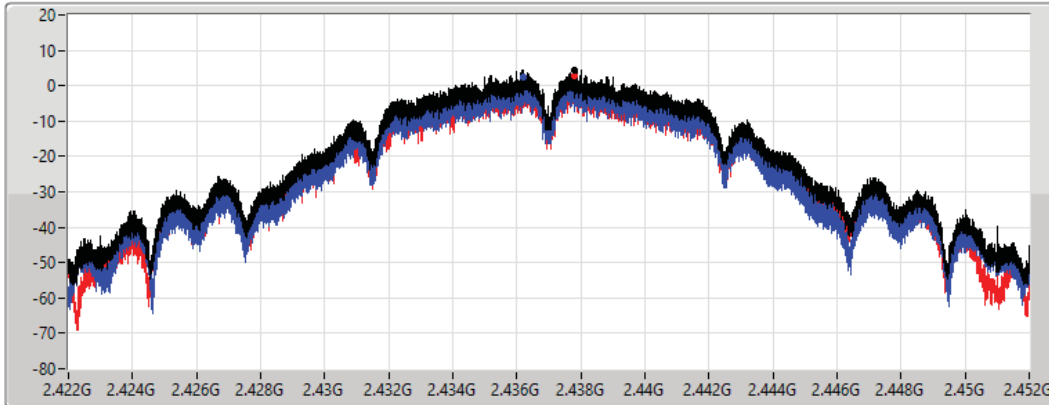
Span  
30MHz


RBW  
3kHz


VBW  
10kHz


Sweep Time  
4.424357ms

Detector Type  
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.42	4.42	2.30	2.92

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2462MHz

27/09/2022

CF  
2.462GHz

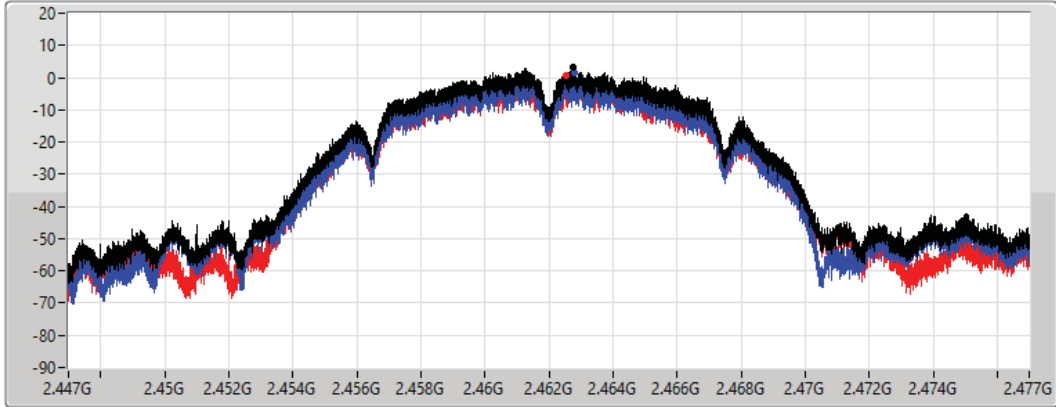
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.06	3.06	1.32	0.70

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2412MHz

27/09/2022

CF  
2.412GHz

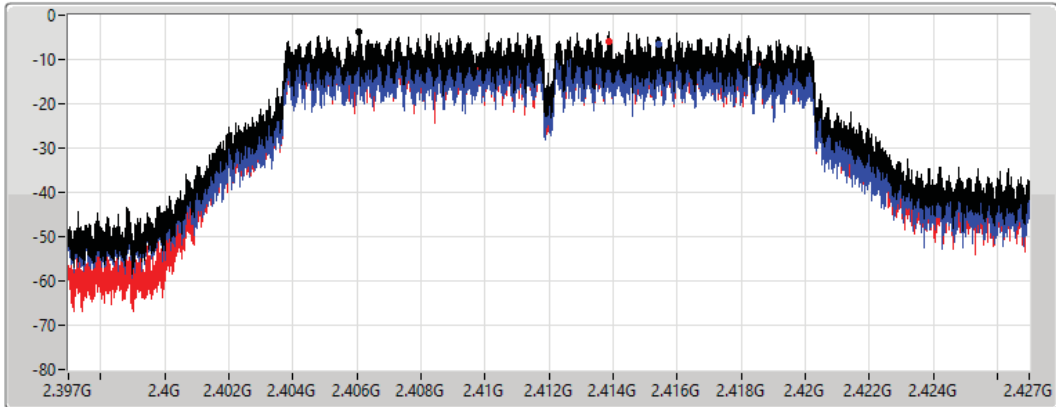
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.72	-3.72	-6.46	-6.01

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2437MHz

27/09/2022

CF  
2.437GHz

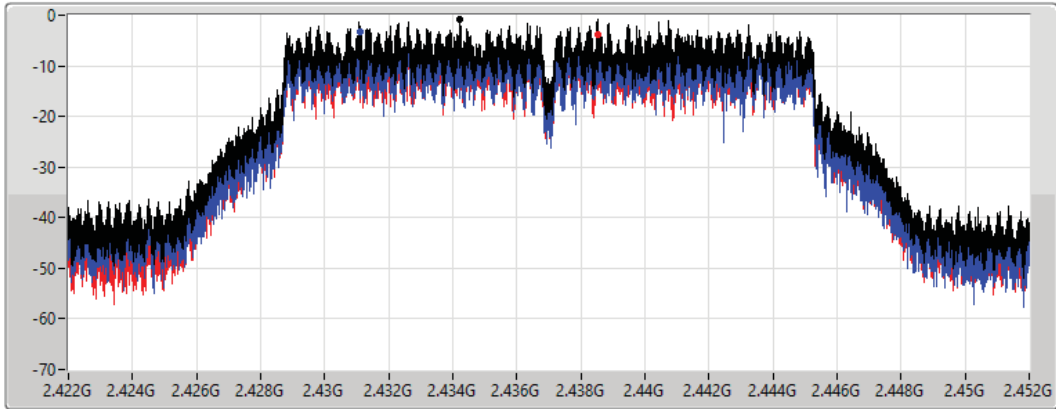
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.78	-0.78	-3.17	-3.81

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2462MHz

27/09/2022

CF  
2.462GHz

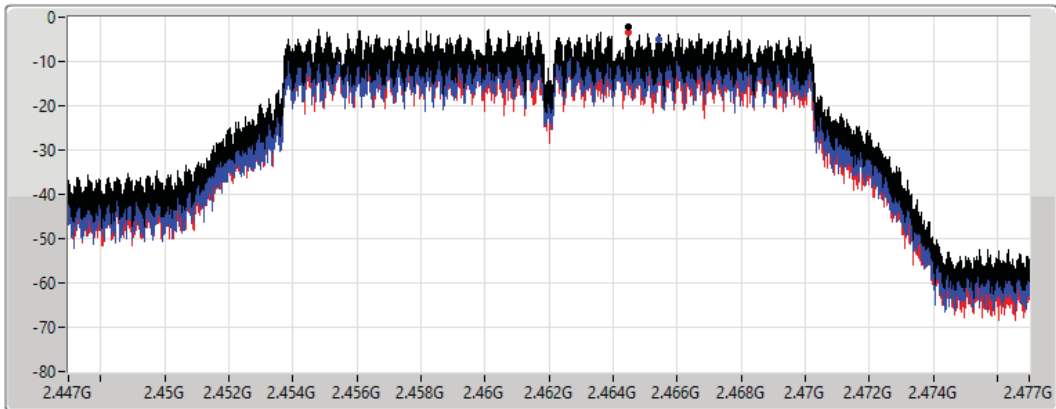
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.18	-2.18	-4.92	-3.52

802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2412MHz

27/09/2022

CF  
2.412GHz

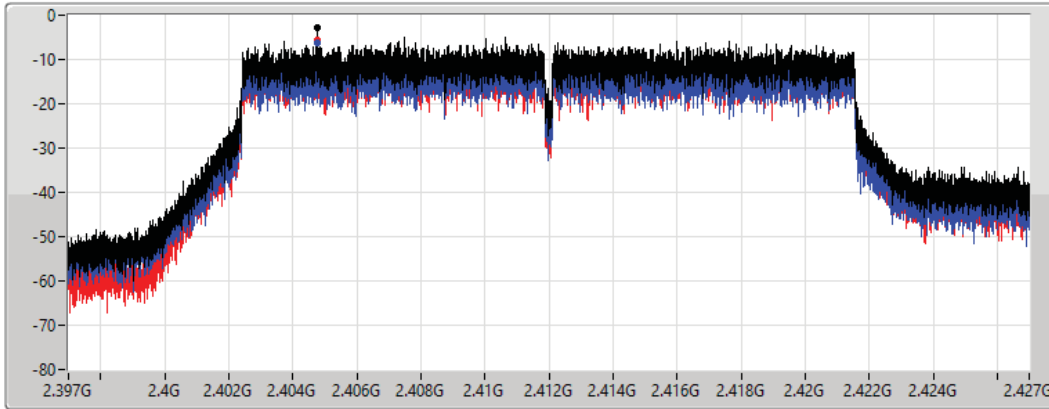
Span  
30MHz


RBW  
3kHz


VBW  
10kHz


Sweep Time  
4.424357ms

Detector Type  
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.85	-2.85	-6.18	-5.56

802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2437MHz

27/09/2022

CF  
2.437GHz

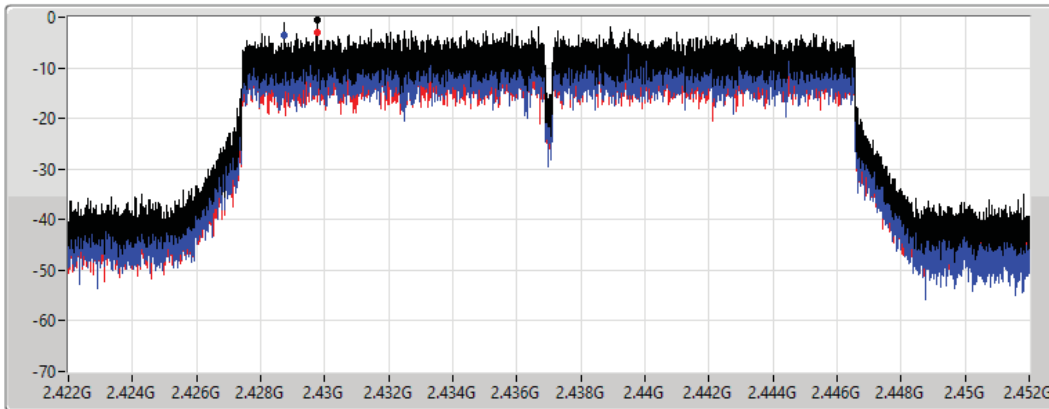
Span  
30MHz


RBW  
3kHz


VBW  
10kHz


Sweep Time  
4.424357ms

Detector Type  
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.65	-0.65	-3.66	-3.05

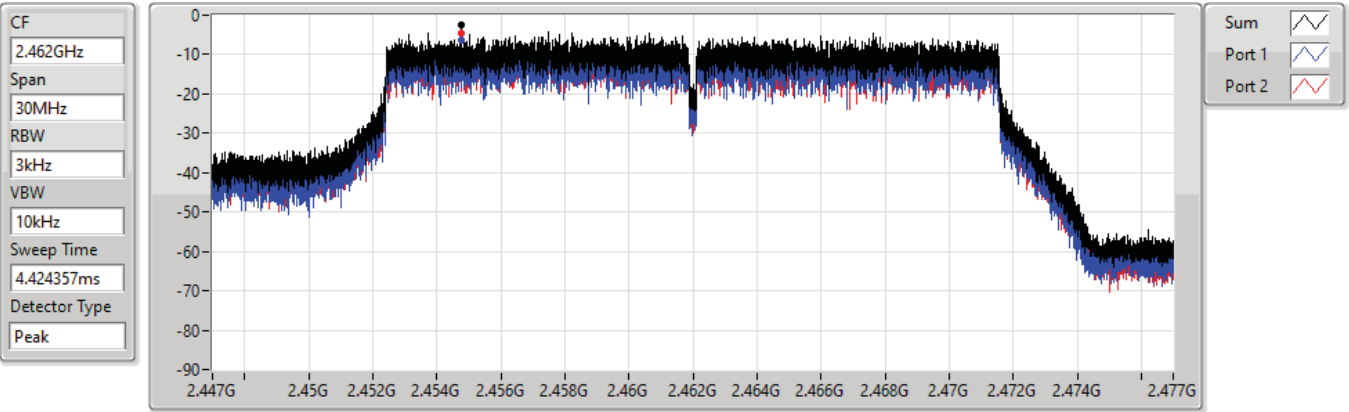


802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2462MHz

27/09/2022



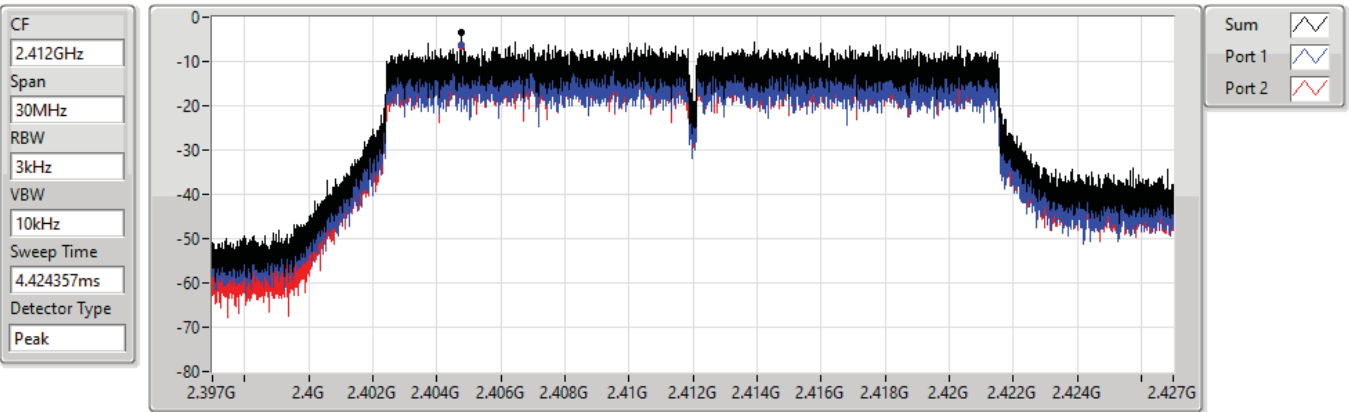
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-2.37	-2.37	-6.43	-4.53

802.11ax HEW20\_Nss2,(MCS0)\_2TX

PSD

2412MHz

27/09/2022



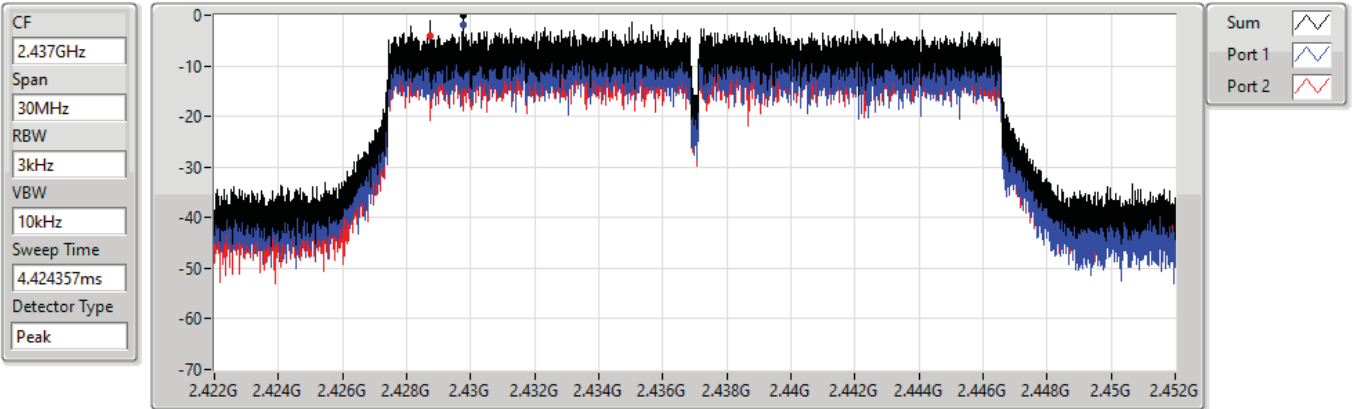
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-3.50	-3.50	-6.32	-6.70

### 802.11ax HEW20\_Nss2,(MCS0)\_2TX

PSD

2437MHz

27/09/2022



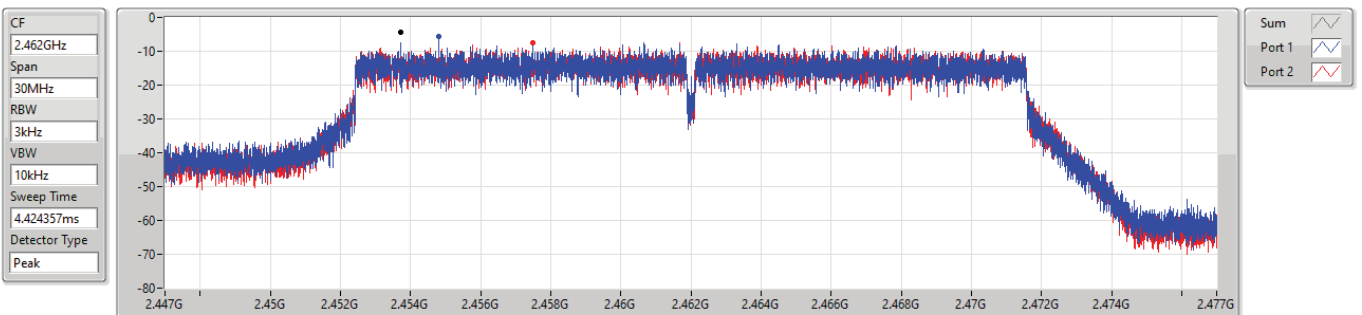
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.05	-0.05	-1.99	-4.10

### 2.4-2.4835GHz\_802.11ax HEW20\_Nss2,(MCS0)\_2TX

PSD

2462MHz

13/10/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.50	-4.50	-5.61	-7.54

802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2422MHz

27/09/2022

CF  
2.422GHz

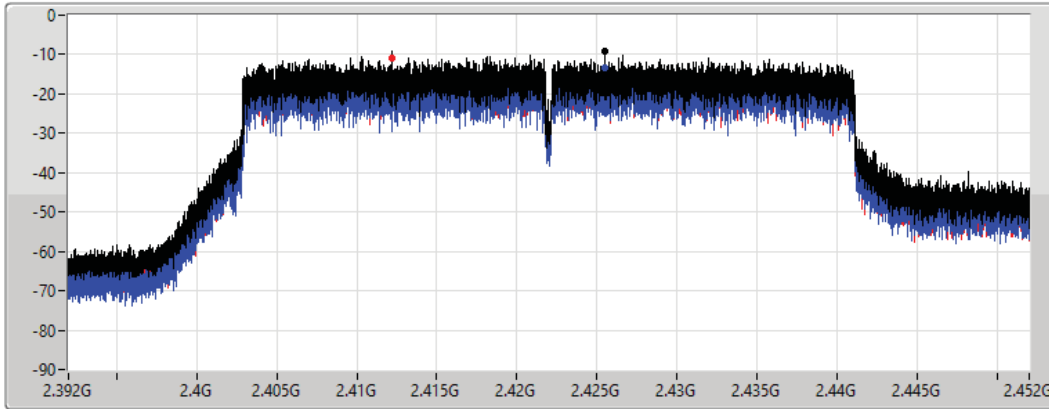
Span  
60MHz


RBW  
3kHz


VBW  
10kHz


Sweep Time  
8.848933ms

Detector Type  
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.08	-9.08	-13.45	-10.89

802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2437MHz

27/09/2022

CF  
2.437GHz

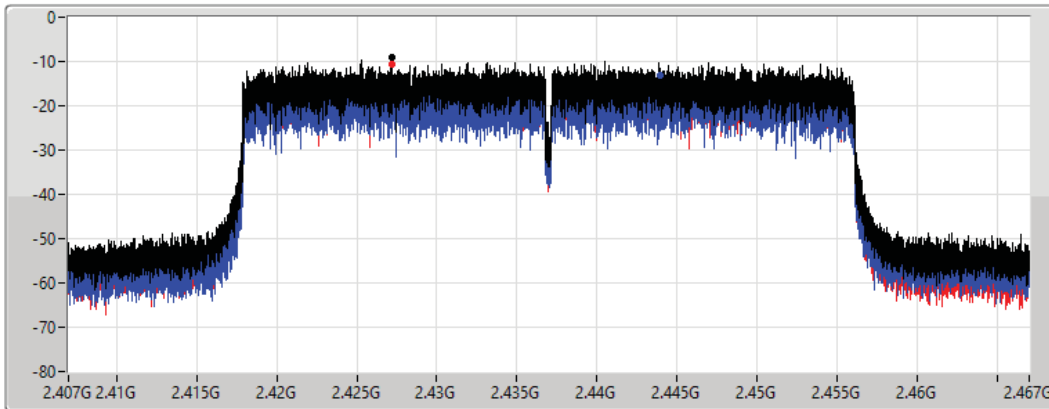
Span  
60MHz


RBW  
3kHz


VBW  
10kHz


Sweep Time  
8.848933ms

Detector Type  
Peak



Sum 

Port 1 

Port 2 

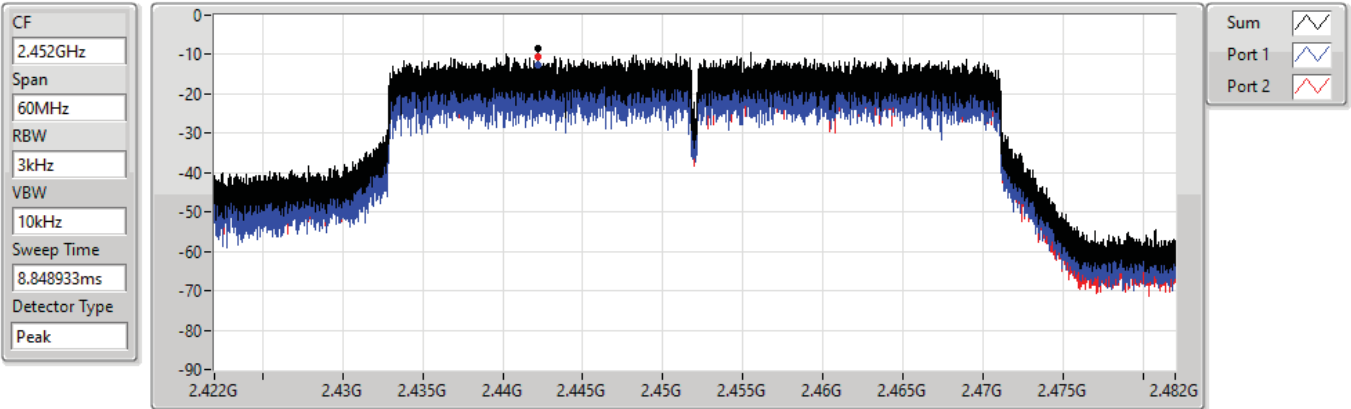
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.04	-9.04	-13.11	-10.53

### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2452MHz

27/09/2022



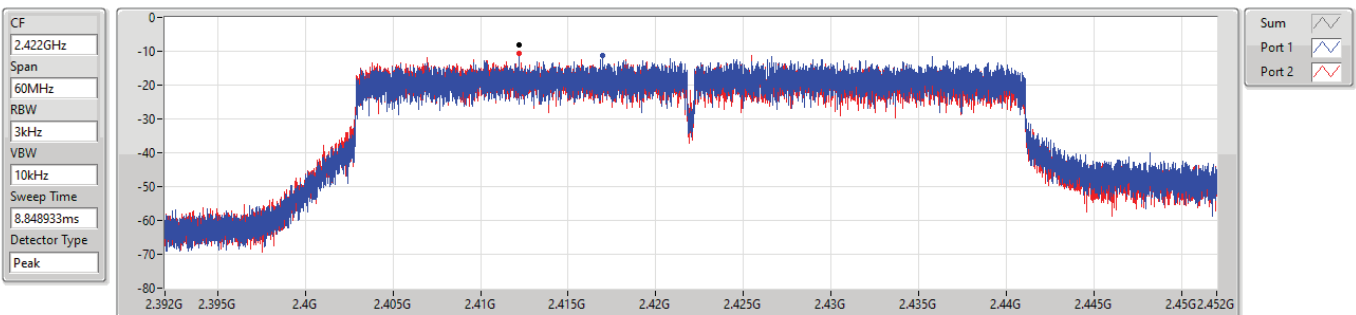
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.51	-8.51	-12.50	-10.72

### 2.4-2.4835GHz\_802.11ax HEW40\_Nss2,(MCS0)\_2TX

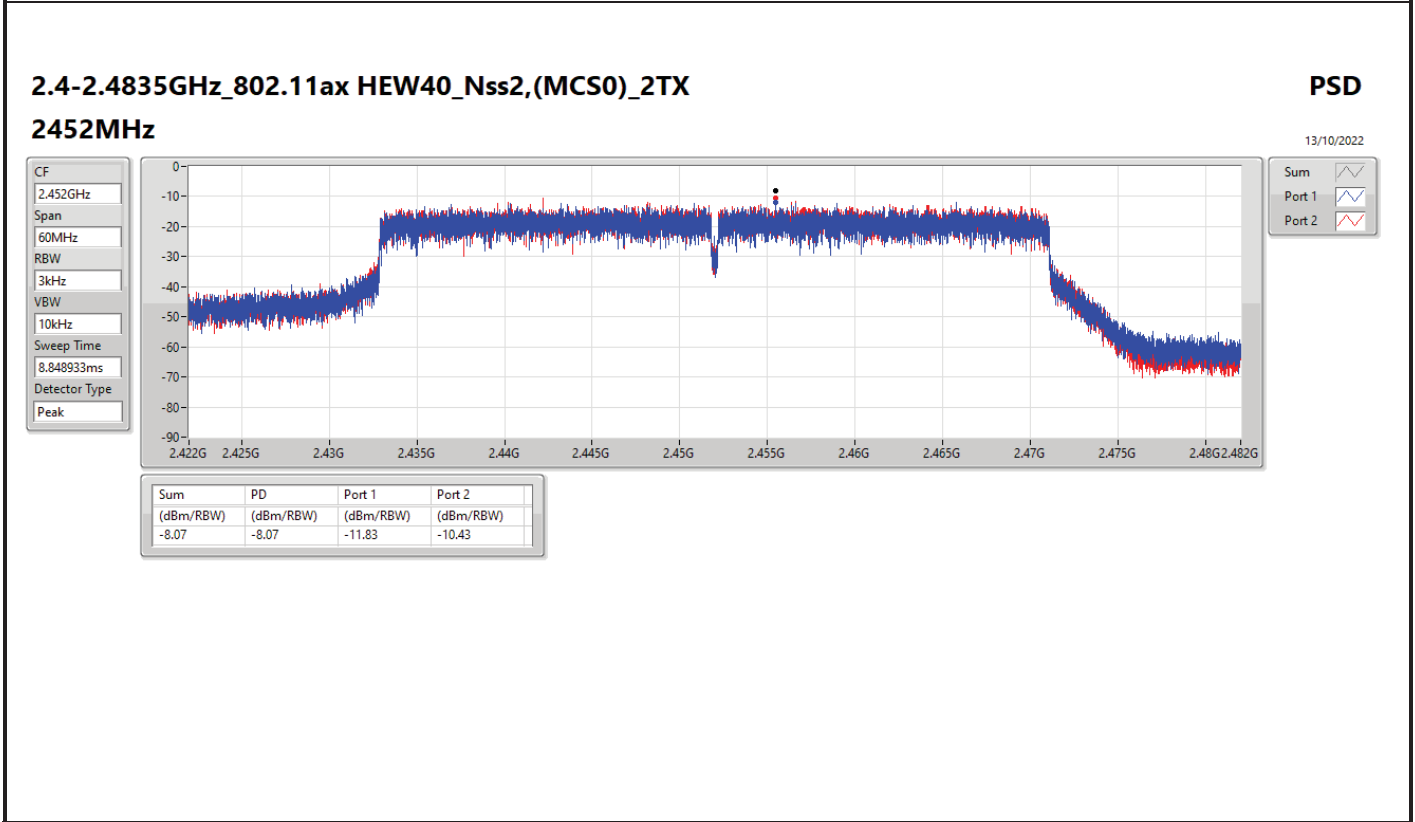
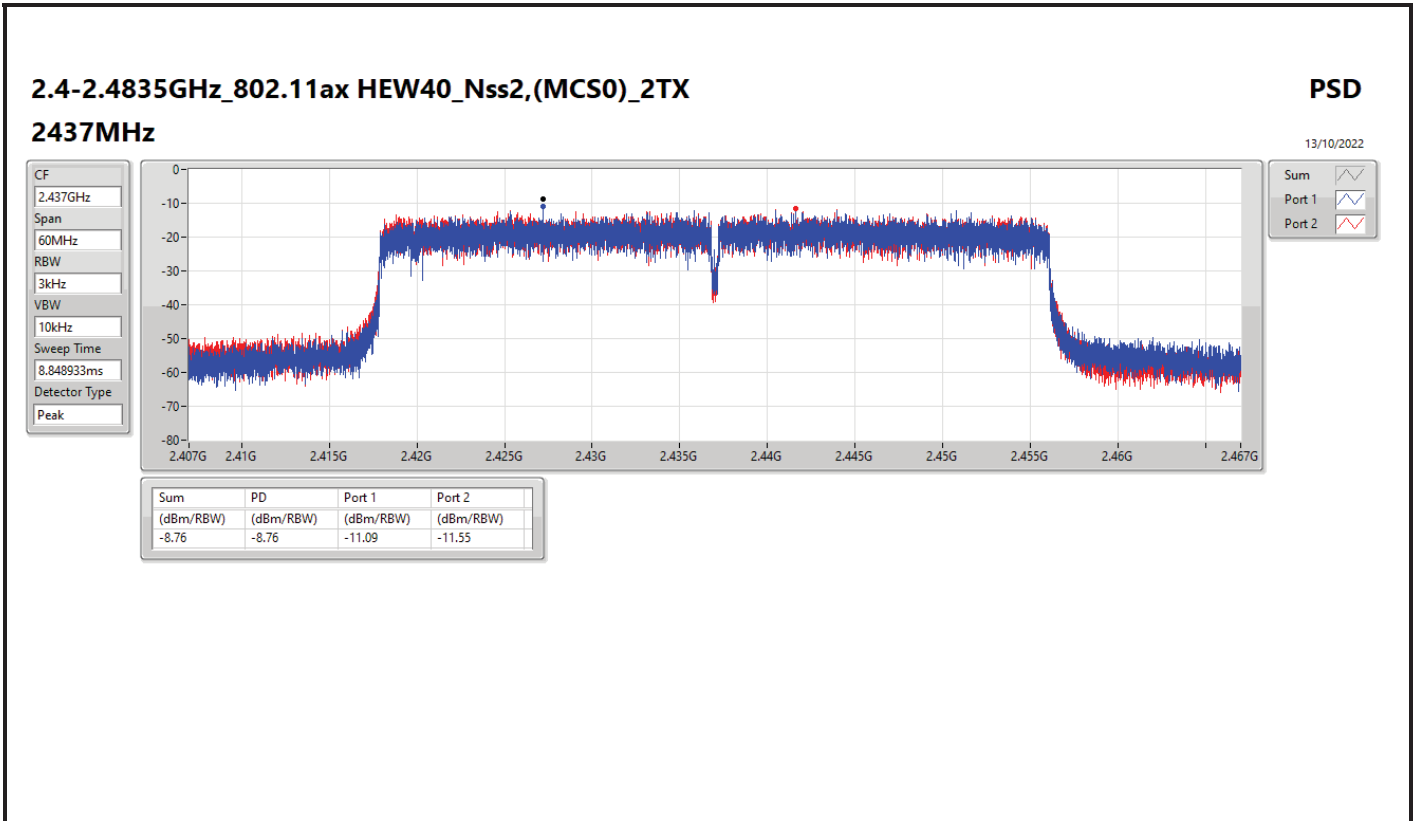
PSD

2422MHz

13/10/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.04	-8.04	-11.32	-10.58





**Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-2.27
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-8.42

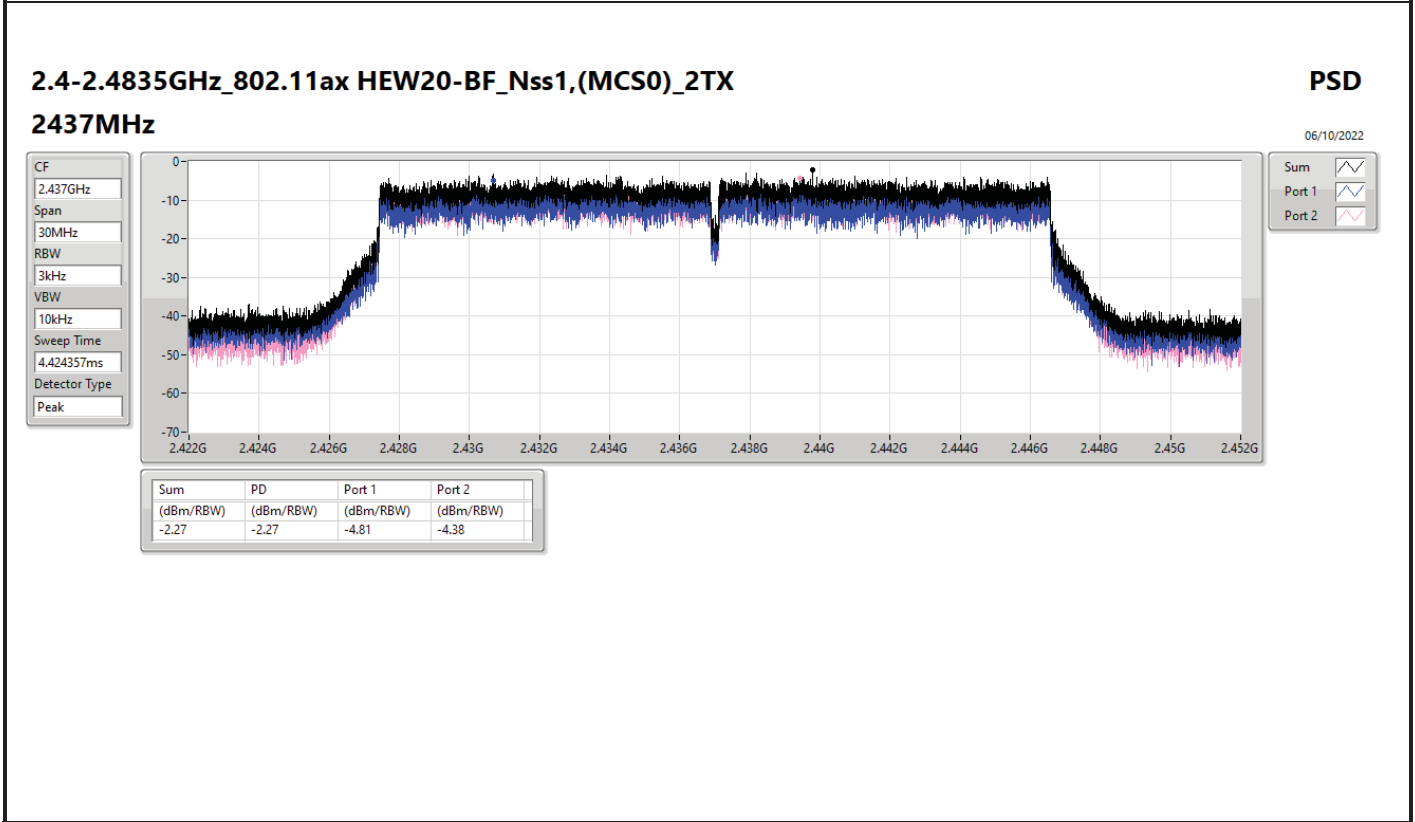
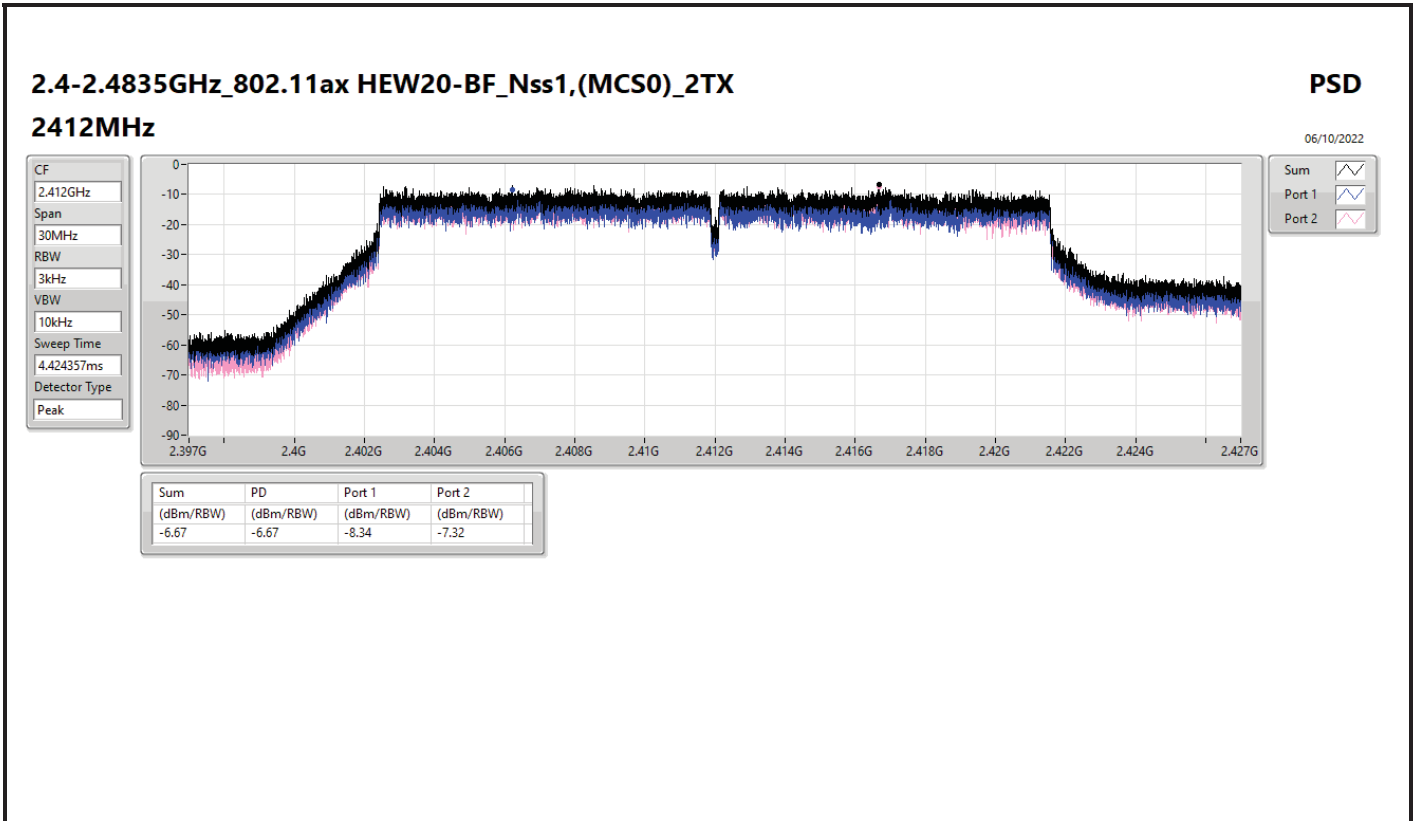
RBW = 3kHz:



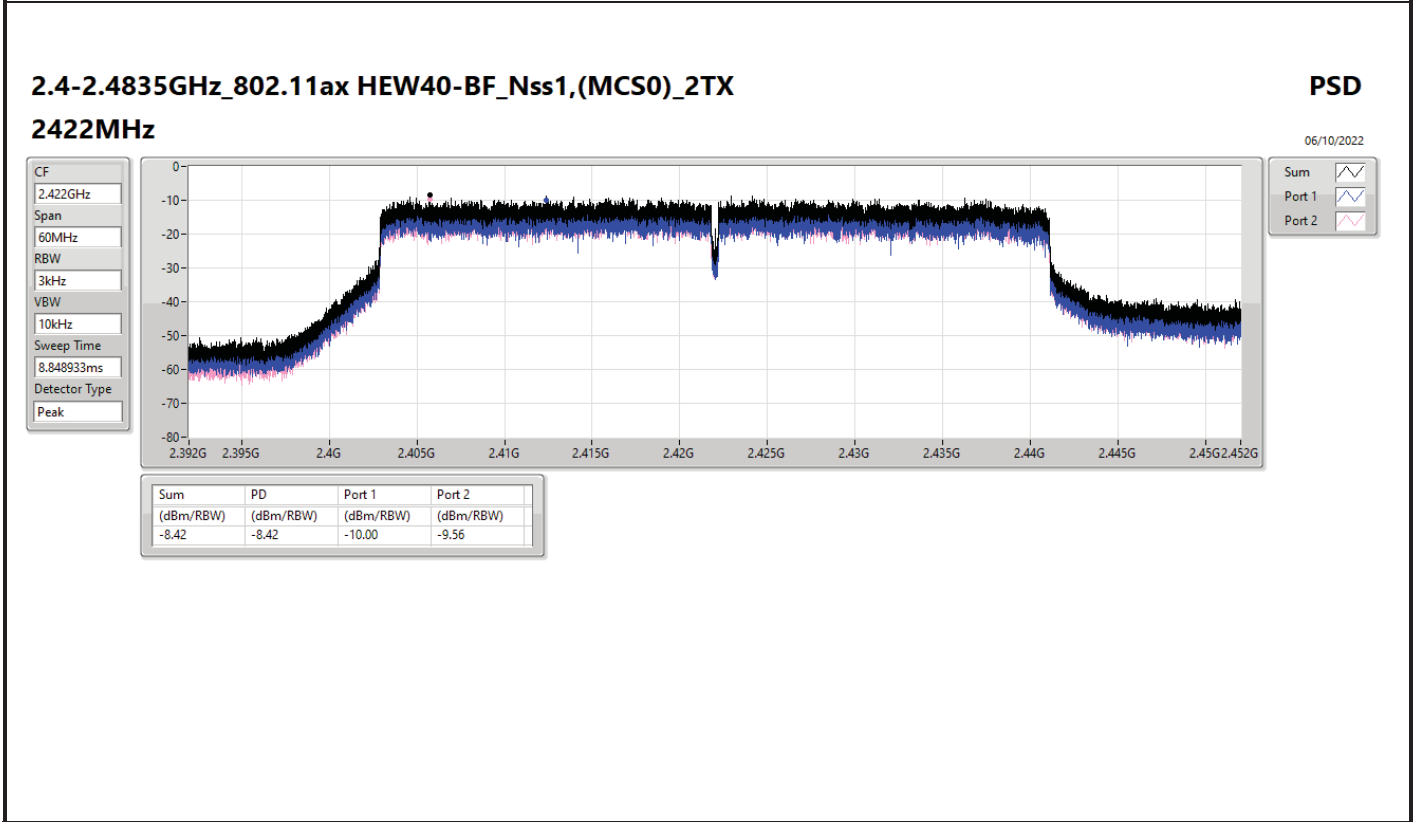
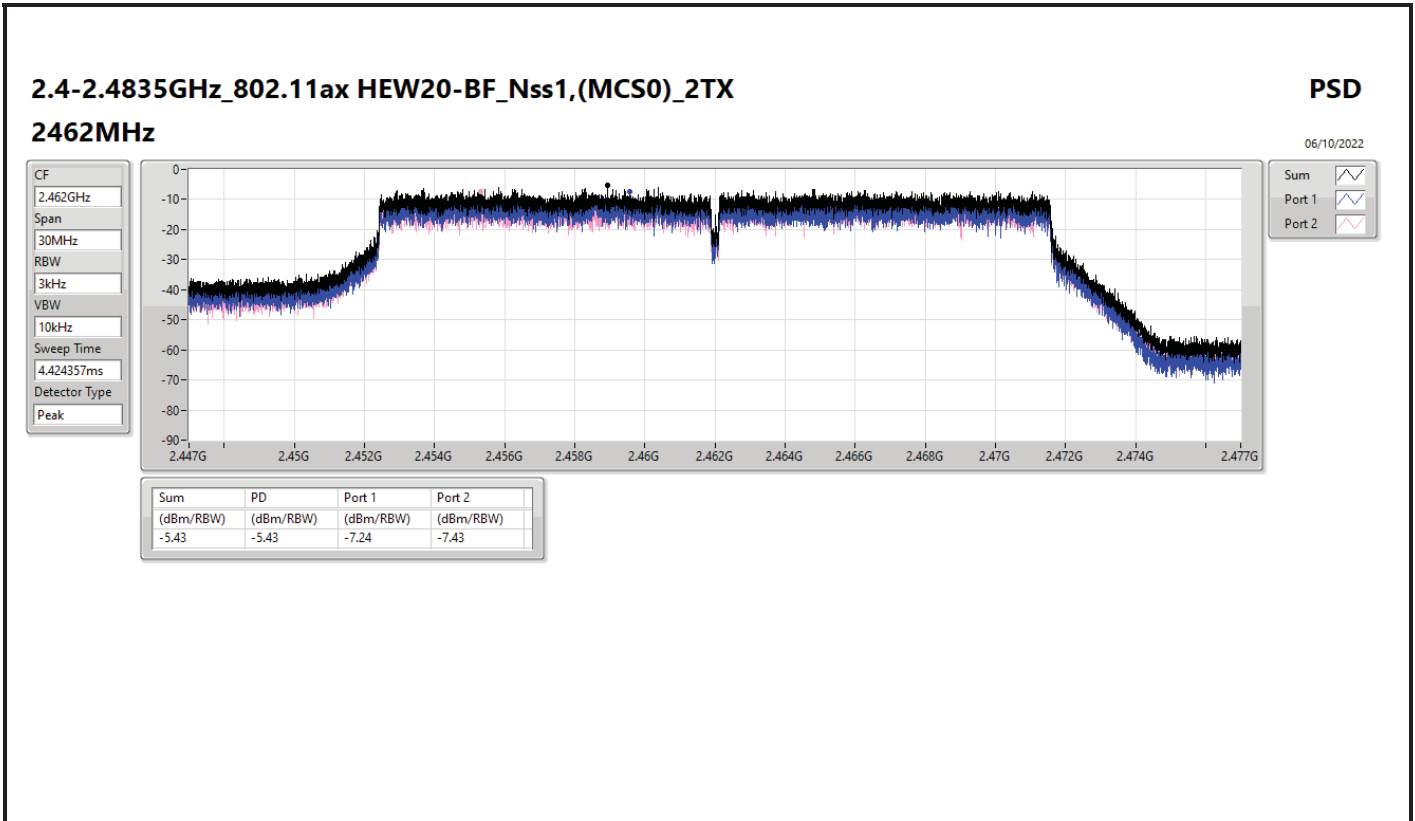
Result

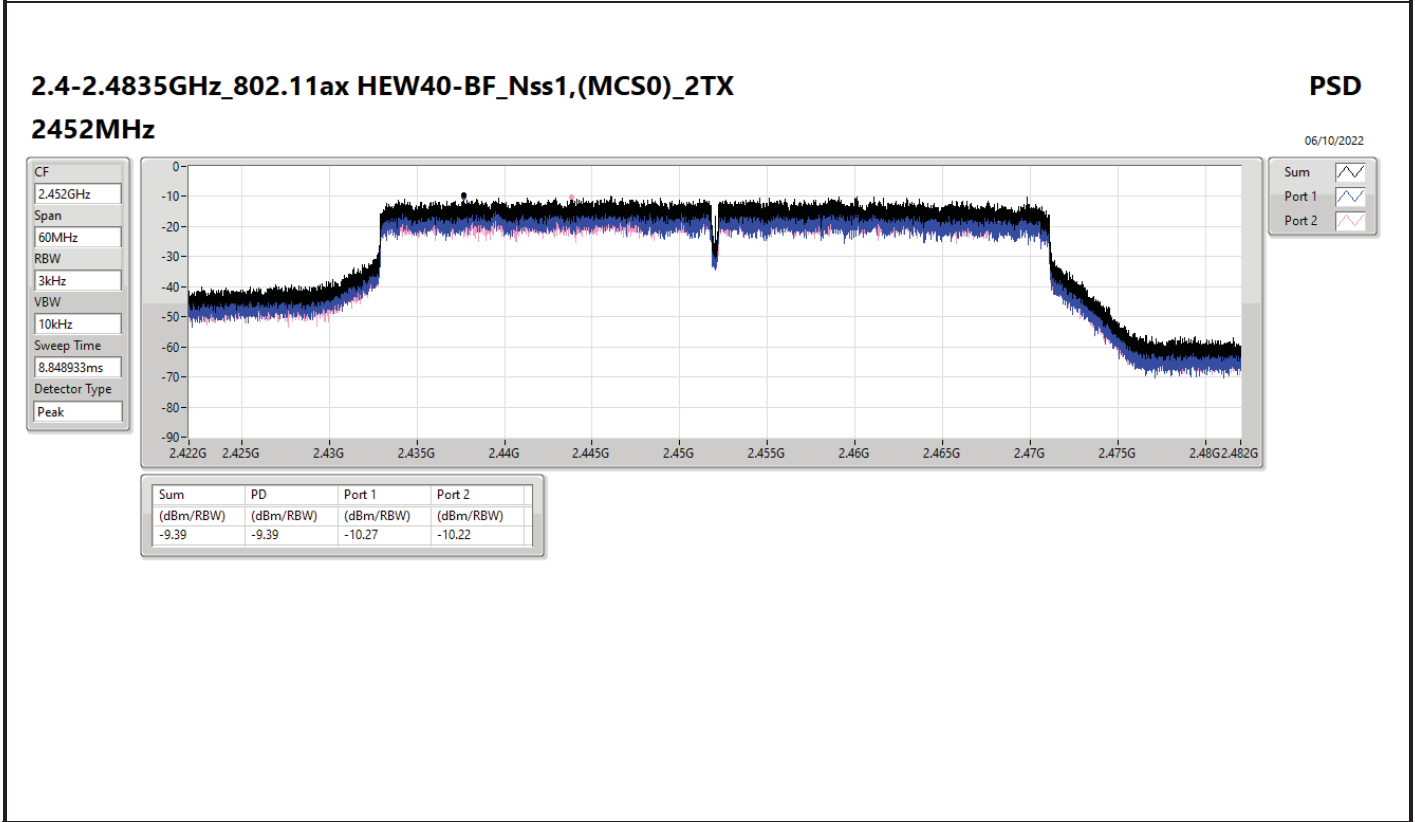
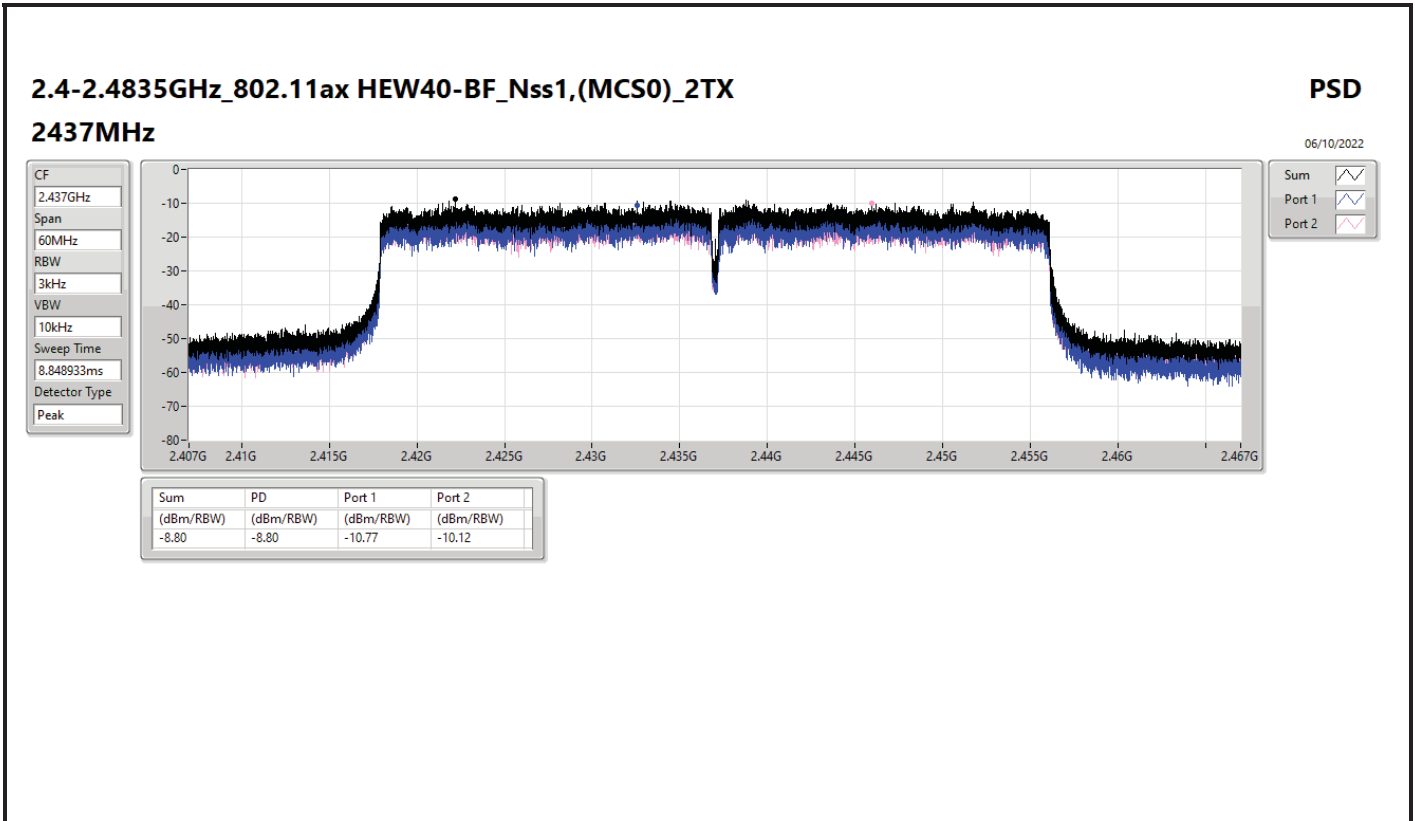
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.46	-8.34	-7.32	-6.67	8.00
2437MHz	Pass	4.46	-4.81	-4.38	-2.27	8.00
2462MHz	Pass	4.46	-7.24	-7.43	-5.43	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.46	-10.00	-9.56	-8.42	8.00
2437MHz	Pass	4.46	-10.77	-10.12	-8.80	8.00
2452MHz	Pass	4.46	-10.27	-10.22	-9.39	8.00

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











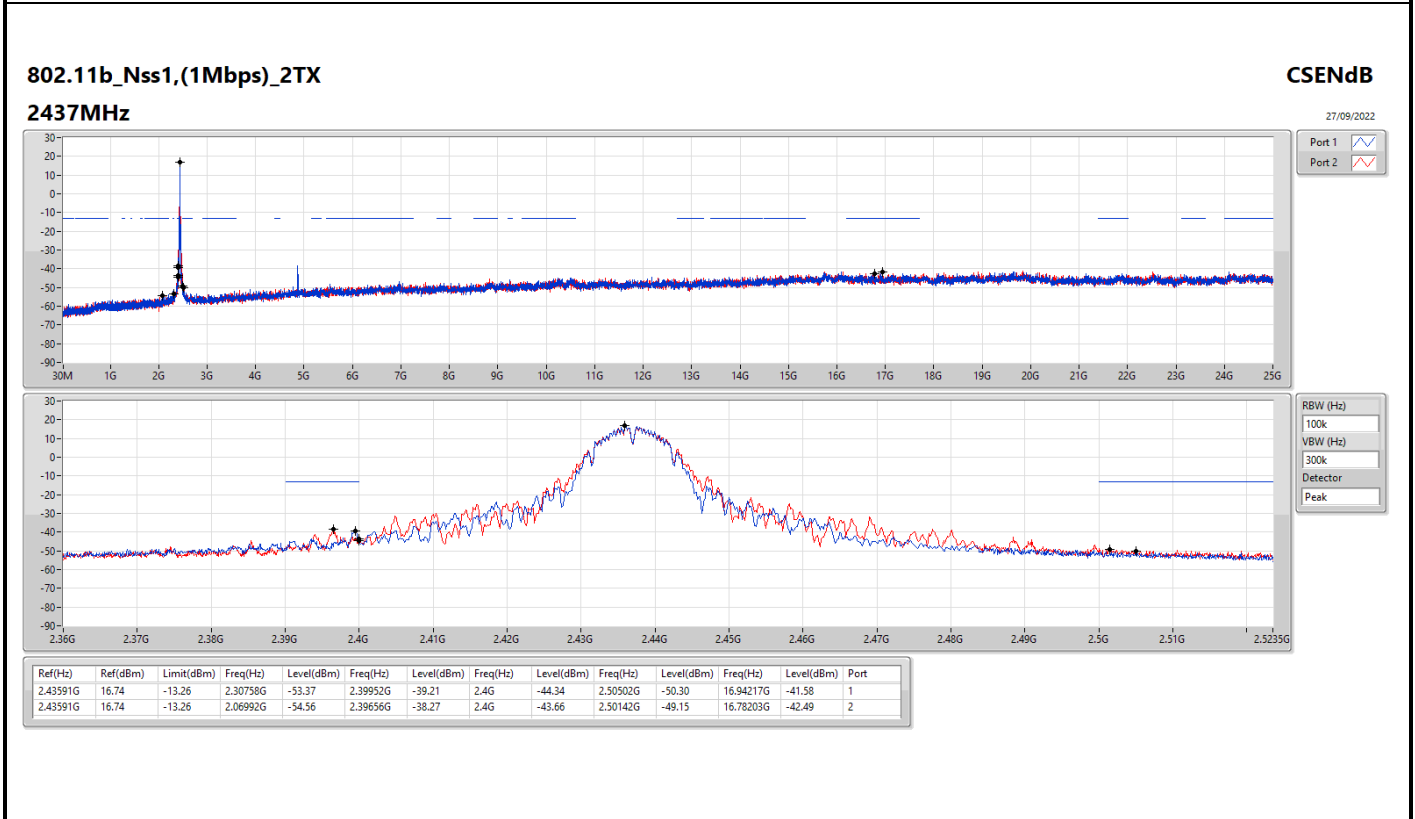
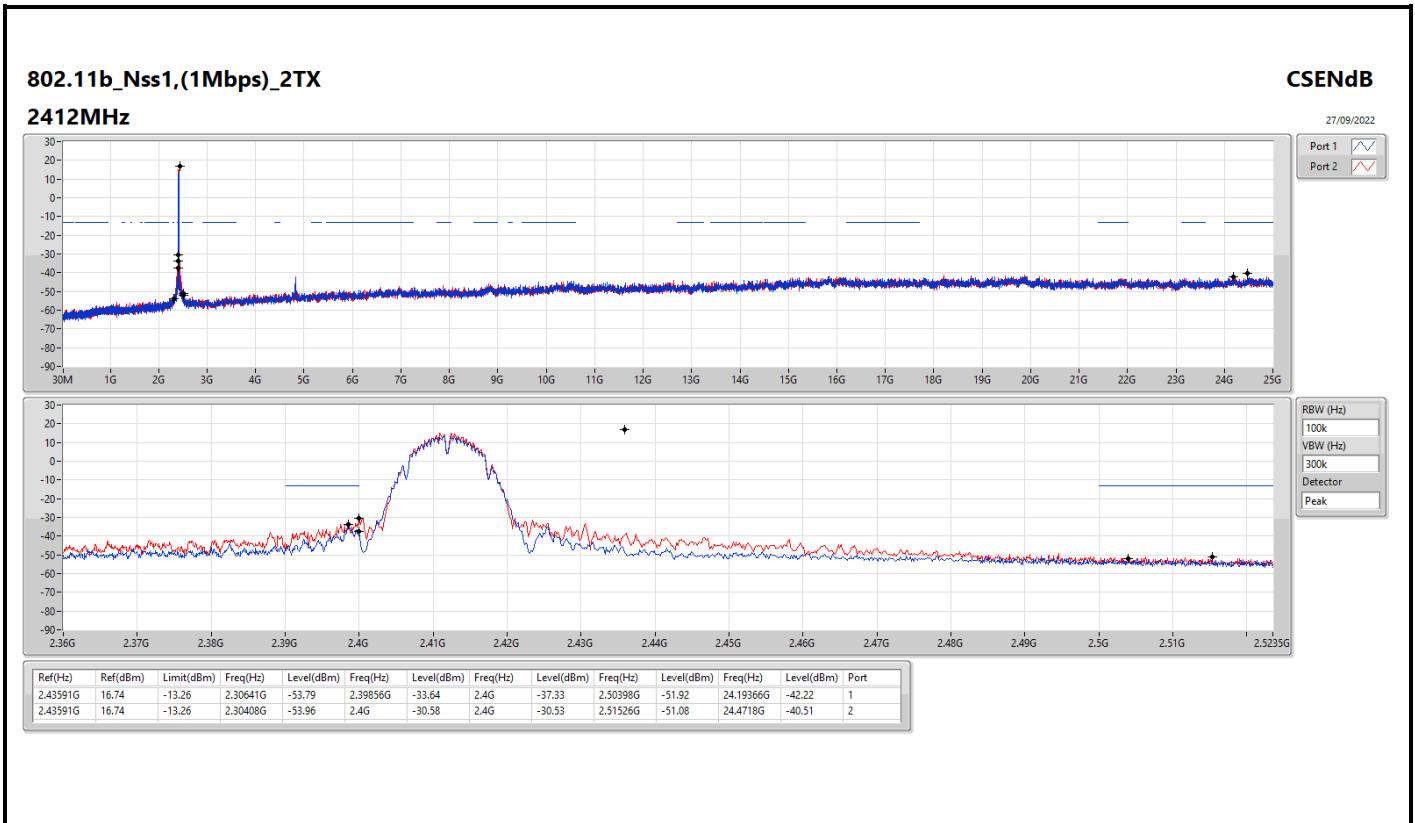
Summary

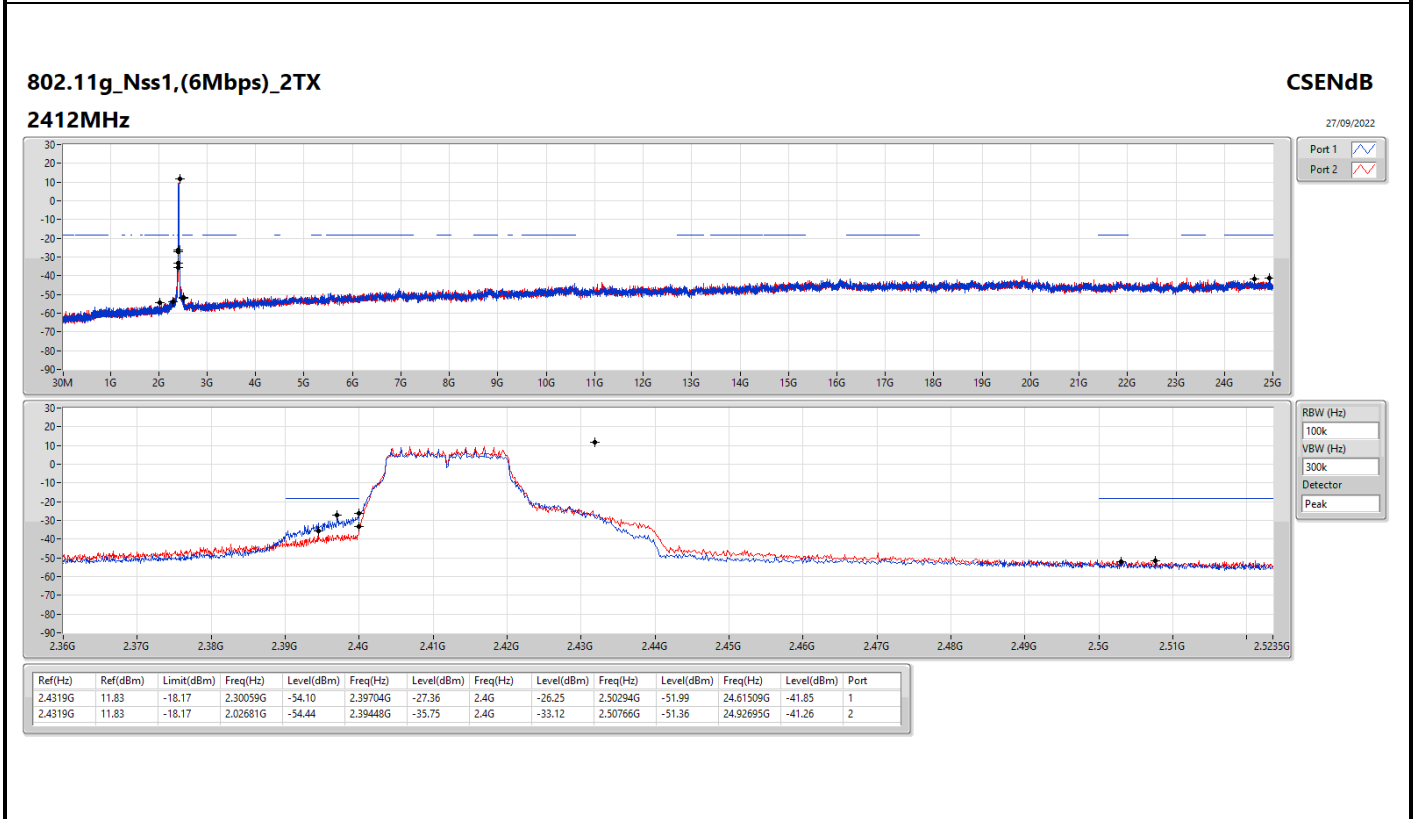
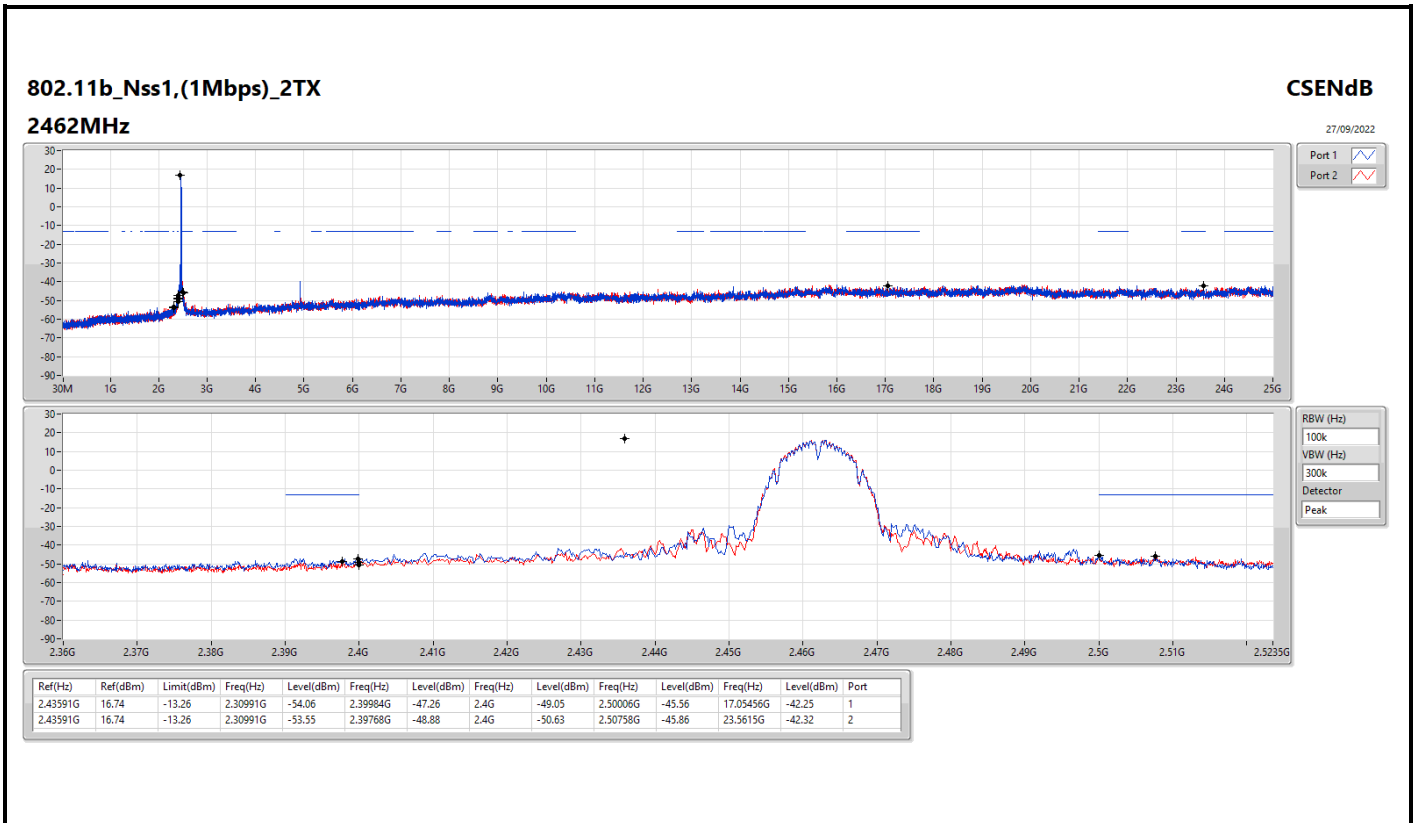
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43591G	16.74	-13.26	2.30408G	-53.96	2.4G	-30.58	2.4G	-30.53	2.51526G	-51.08	24.4718G	-40.51	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.4319G	11.83	-18.17	2.30059G	-54.10	2.39704G	-27.36	2.4G	-26.25	2.50294G	-51.99	24.61509G	-41.85	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43206G	11.70	-18.30	2.30991G	-52.87	2.4G	-30.20	2.4G	-28.51	2.50302G	-52.50	21.82519G	-40.48	1
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.44192G	12.37	-17.63	2.30292G	-53.78	2.4G	-30.24	2.4G	-29.65	2.5147G	-52.64	24.32571G	-41.78	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4319G	4.72	-25.28	2.30283G	-50.79	2.39984G	-32.25	2.4G	-29.12	2.53022G	-49.40	15.21208G	-40.47	2
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.41687G	4.40	-25.60	2.30397G	-53.13	2.4G	-31.00	2.4G	-29.97	2.50062G	-50.70	17.67448G	-43.74	2

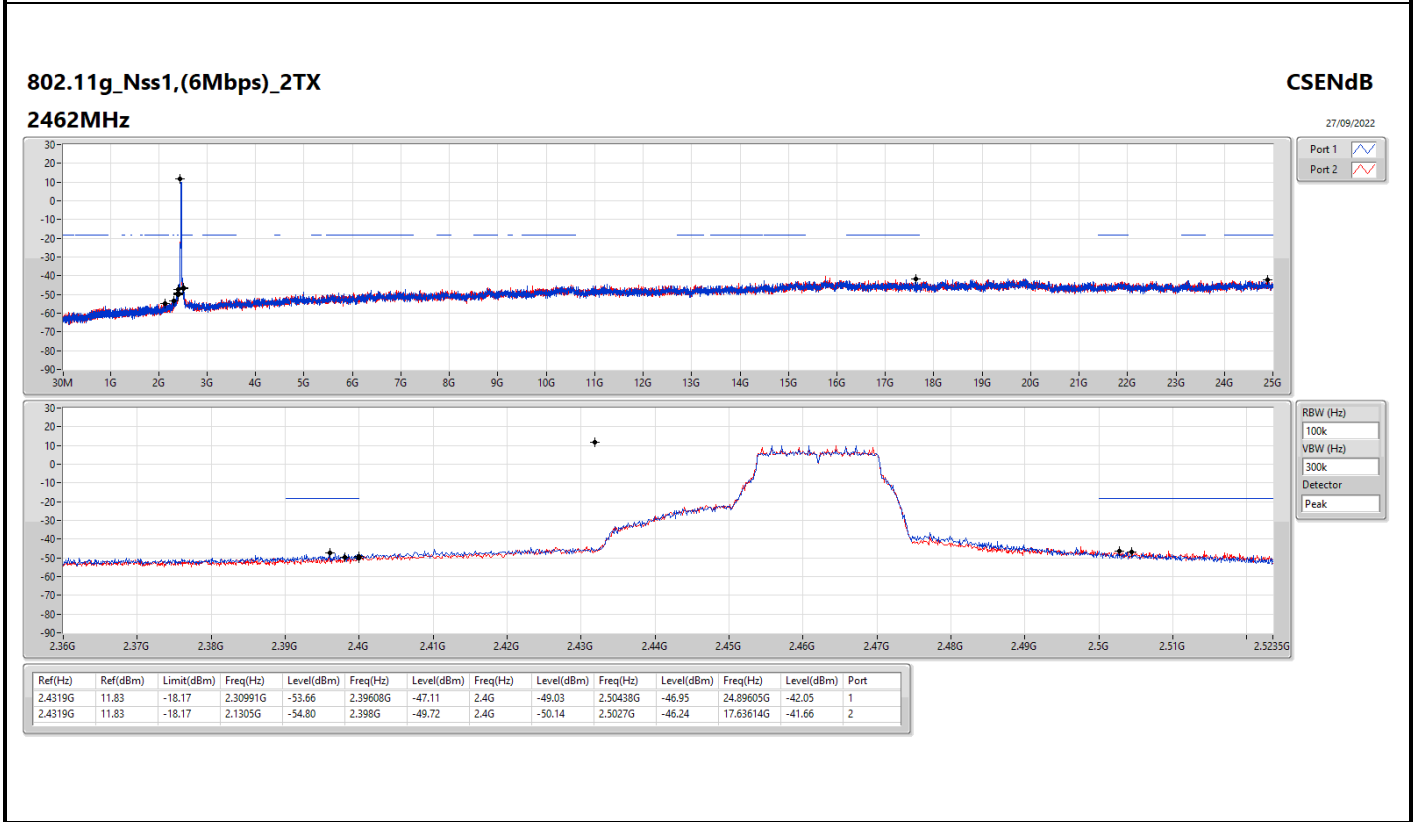
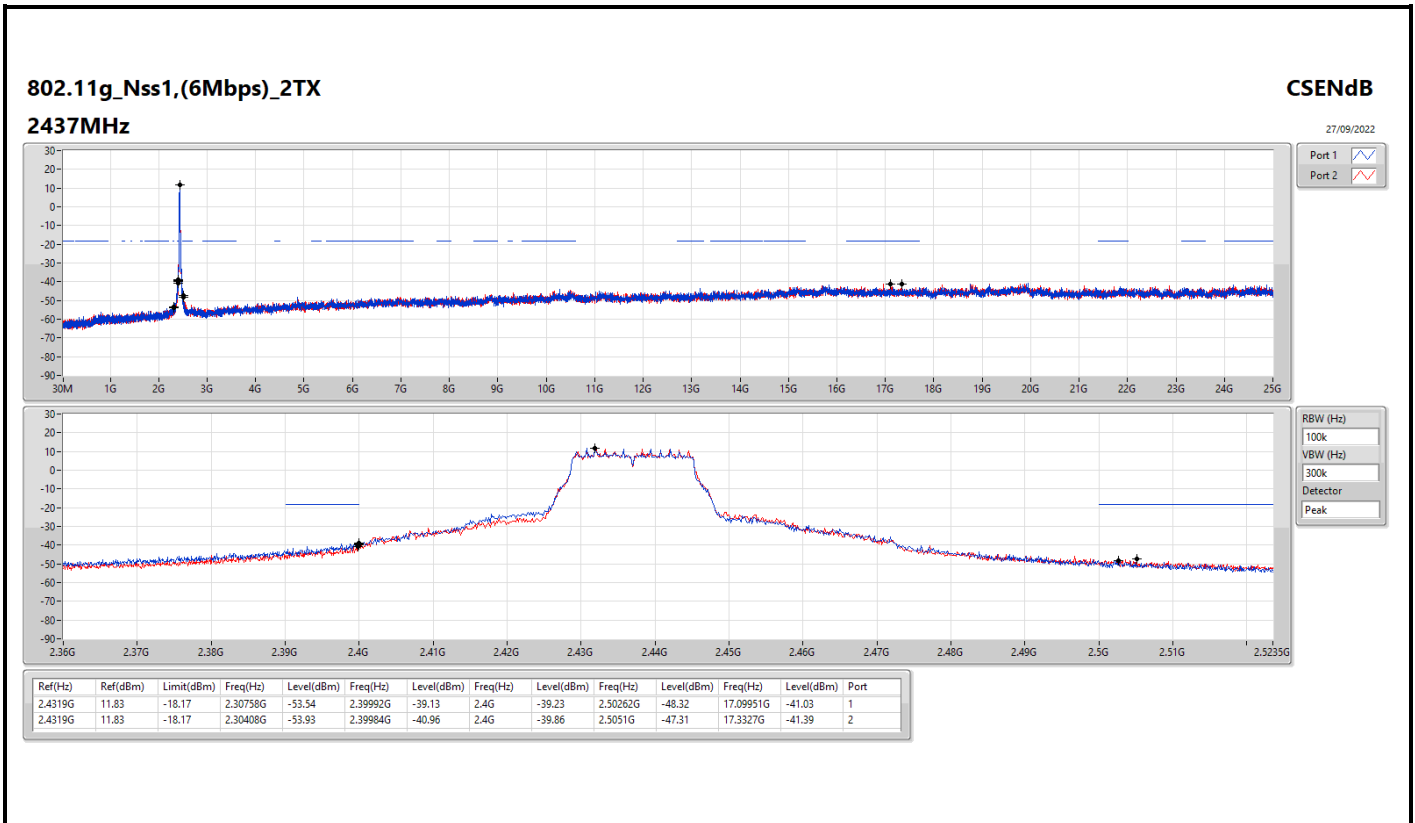


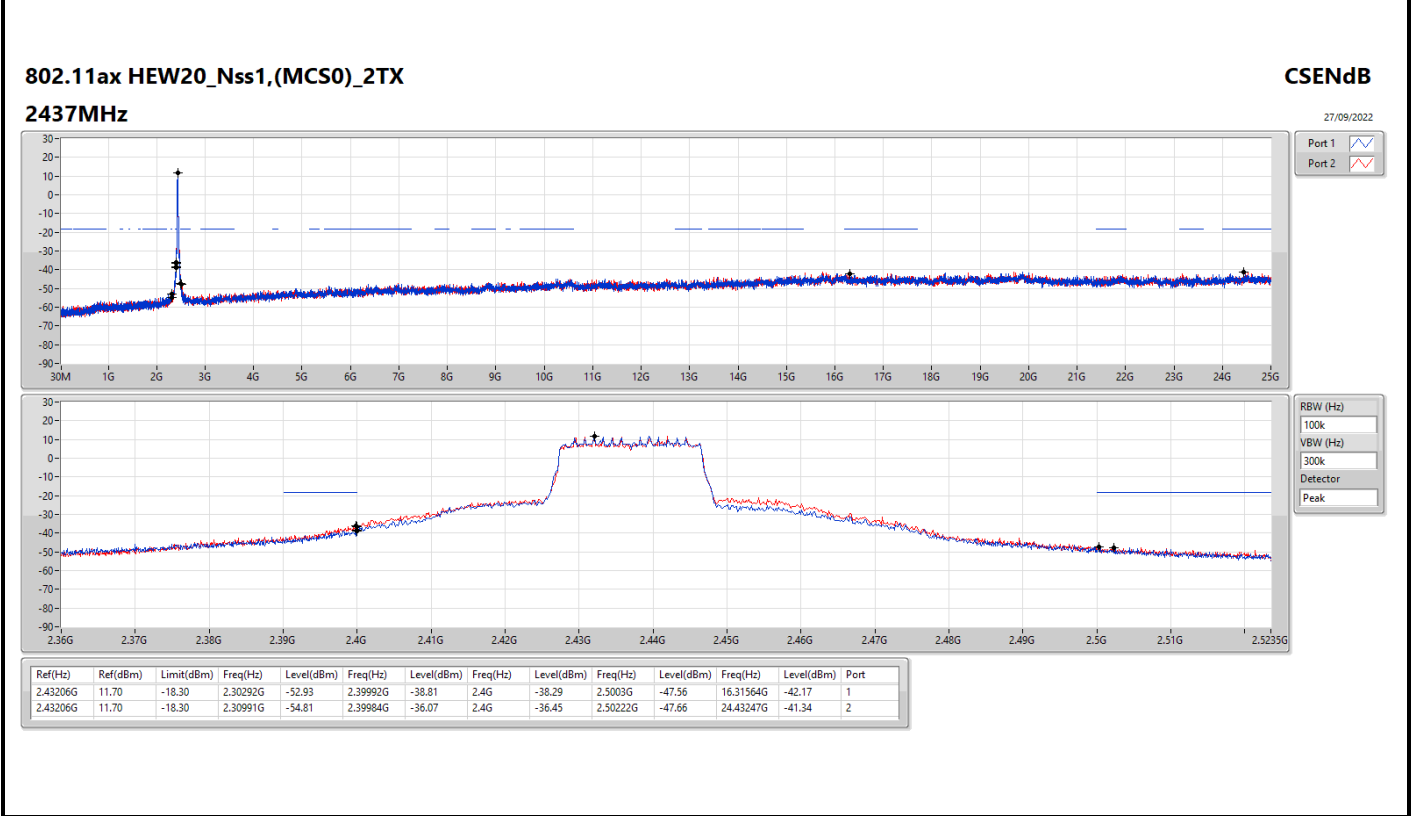
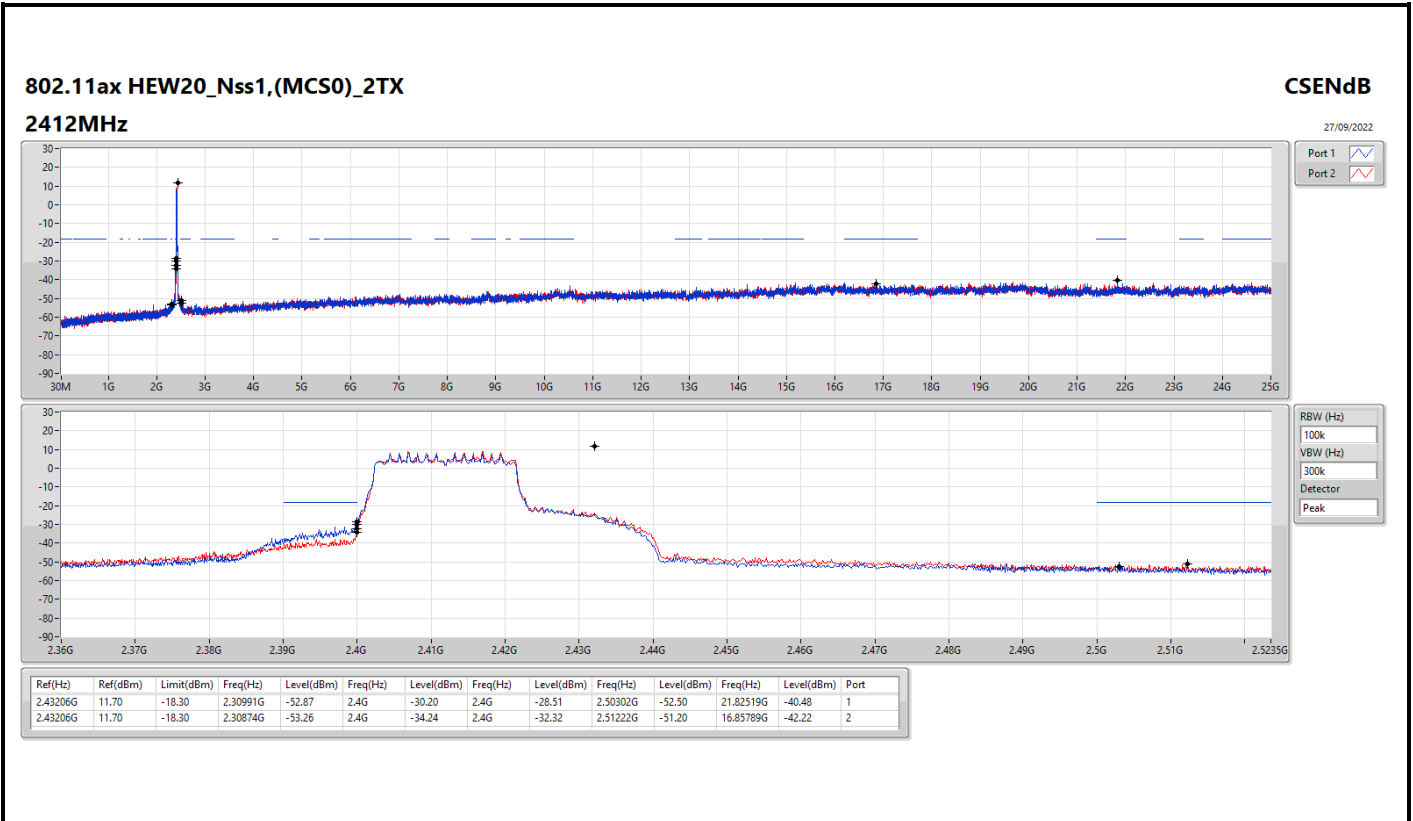
Result

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	2.43591G	16.74	-13.26	2.30641G	-53.79	2.39856G	-33.64	2.4G	-37.33	2.50398G	-51.92	24.19366G	-42.22	1
2412MHz	Pass	2.43591G	16.74	-13.26	2.30408G	-53.96	2.4G	-30.58	2.4G	-30.53	2.51526G	-51.08	24.4718G	-40.51	2
2437MHz	Pass	2.43591G	16.74	-13.26	2.30758G	-53.37	2.39952G	-39.21	2.4G	-44.34	2.50502G	-50.30	16.94217G	-41.58	1
2437MHz	Pass	2.43591G	16.74	-13.26	2.06992G	-54.56	2.39656G	-38.27	2.4G	-43.66	2.50142G	-49.15	16.78203G	-42.49	2
2462MHz	Pass	2.43591G	16.74	-13.26	2.30991G	-54.06	2.39984G	-47.26	2.4G	-49.05	2.50006G	-45.56	17.05456G	-42.25	1
2462MHz	Pass	2.43591G	16.74	-13.26	2.30991G	-53.55	2.39768G	-48.88	2.4G	-50.63	2.50758G	-45.86	23.5615G	-42.32	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4319G	11.83	-18.17	2.30059G	-54.10	2.39704G	-27.36	2.4G	-26.25	2.50294G	-51.99	24.61509G	-41.85	1
2412MHz	Pass	2.4319G	11.83	-18.17	2.02681G	-54.44	2.39448G	-35.75	2.4G	-33.12	2.50766G	-51.36	24.92695G	-41.26	2
2437MHz	Pass	2.4319G	11.83	-18.17	2.30758G	-53.54	2.39992G	-39.13	2.4G	-39.23	2.50262G	-48.32	17.09951G	-41.03	1
2437MHz	Pass	2.4319G	11.83	-18.17	2.30408G	-53.93	2.39984G	-40.96	2.4G	-39.86	2.5051G	-47.31	17.3327G	-41.39	2
2462MHz	Pass	2.4319G	11.83	-18.17	2.30991G	-53.66	2.39608G	-47.11	2.4G	-49.03	2.50438G	-46.95	24.89605G	-42.05	1
2462MHz	Pass	2.4319G	11.83	-18.17	2.1305G	-54.80	2.398G	-49.72	2.4G	-50.14	2.5027G	-46.24	17.63614G	-41.66	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43206G	11.70	-18.30	2.30991G	-52.87	2.4G	-30.20	2.4G	-28.51	2.50302G	-52.50	21.82519G	-40.48	1
2412MHz	Pass	2.43206G	11.70	-18.30	2.30874G	-53.26	2.4G	-34.24	2.4G	-32.32	2.51222G	-51.20	16.85789G	-42.22	2
2437MHz	Pass	2.43206G	11.70	-18.30	2.30292G	-52.93	2.39992G	-38.81	2.4G	-38.29	2.5003G	-47.56	16.31564G	-42.17	1
2437MHz	Pass	2.43206G	11.70	-18.30	2.30991G	-54.81	2.39984G	-36.07	2.4G	-36.45	2.50222G	-47.66	24.43247G	-41.34	2
2462MHz	Pass	2.43206G	11.70	-18.30	2.30525G	-53.48	2.39264G	-48.48	2.4G	-50.11	2.50334G	-47.74	24.54766G	-40.74	1
2462MHz	Pass	2.43206G	11.70	-18.30	2.1538G	-54.26	2.39072G	-50.68	2.4G	-51.81	2.50206G	-47.40	24.54204G	-41.80	2
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	12.37	-17.63	2.30292G	-53.78	2.4G	-30.24	2.4G	-29.65	2.5147G	-52.64	24.32571G	-41.78	1
2412MHz	Pass	2.44192G	12.37	-17.63	2.30292G	-52.63	2.4G	-35.61	2.4G	-31.80	2.5011G	-51.41	24.7949G	-42.05	2
2437MHz	Pass	2.44192G	12.37	-17.63	2.30991G	-53.35	2.39808G	-34.99	2.4G	-35.02	2.50294G	-46.96	24.53361G	-41.82	1
2437MHz	Pass	2.44192G	12.37	-17.63	2.30641G	-53.79	2.39976G	-34.10	2.4G	-35.02	2.5023G	-46.75	24.23861G	-41.58	2
2462MHz	Pass	2.44192G	12.37	-17.63	2.30641G	-53.64	2.39912G	-49.70	2.4G	-50.37	2.50102G	-48.54	24.87076G	-41.84	1
2462MHz	Pass	2.44192G	12.37	-17.63	2.30059G	-54.53	2.39936G	-51.40	2.4G	-53.19	2.50142G	-49.19	16.77641G	-42.33	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	4.72	-25.28	2.30855G	-51.11	2.39952G	-33.09	2.4G	-30.06	2.50798G	-48.99	15.2233G	-39.90	1
2422MHz	Pass	2.4319G	4.72	-25.28	2.30283G	-50.79	2.39984G	-32.25	2.4G	-29.12	2.53022G	-49.40	15.21208G	-40.47	2
2437MHz	Pass	2.4319G	4.72	-25.28	2.30855G	-51.52	2.39952G	-36.84	2.4G	-37.86	2.50014G	-44.04	24.00718G	-40.67	1
2437MHz	Pass	2.4319G	4.72	-25.28	2.30054G	-51.64	2.39824G	-35.91	2.4G	-37.07	2.50238G	-46.56	23.30324G	-40.04	2
2452MHz	Pass	2.4319G	4.72	-25.28	2.30054G	-51.63	2.39952G	-34.42	2.4G	-38.20	2.50062G	-43.22	24.74478G	-39.91	1
2452MHz	Pass	2.4319G	4.72	-25.28	2.30054G	-51.43	2.39952G	-35.50	2.4G	-38.08	2.50142G	-46.54	15.16159G	-40.56	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.41687G	4.40	-25.60	2.3097G	-51.79	2.4G	-30.93	2.4G	-30.30	2.50478G	-50.83	24.3213G	-43.37	1
2422MHz	Pass	2.41687G	4.40	-25.60	2.30397G	-53.13	2.4G	-31.00	2.4G	-29.97	2.50062G	-50.70	17.67448G	-43.74	2
2437MHz	Pass	2.41687G	4.40	-25.60	2.30741G	-55.27	2.39952G	-36.55	2.4G	-39.87	2.5003G	-47.63	24.58212G	-42.88	1
2437MHz	Pass	2.41687G	4.40	-25.60	2.30741G	-53.02	2.39824G	-33.08	2.4G	-37.50	2.5003G	-46.73	24.40263G	-43.24	2
2452MHz	Pass	2.41687G	4.40	-25.60	2.3097G	-54.93	2.39952G	-36.82	2.4G	-39.09	2.50062G	-45.54	24.16144G	-42.45	1
2452MHz	Pass	2.41687G	4.40	-25.60	2.30054G	-52.88	2.39952G	-35.22	2.4G	-37.06	2.50062G	-45.18	24.81209G	-43.03	2

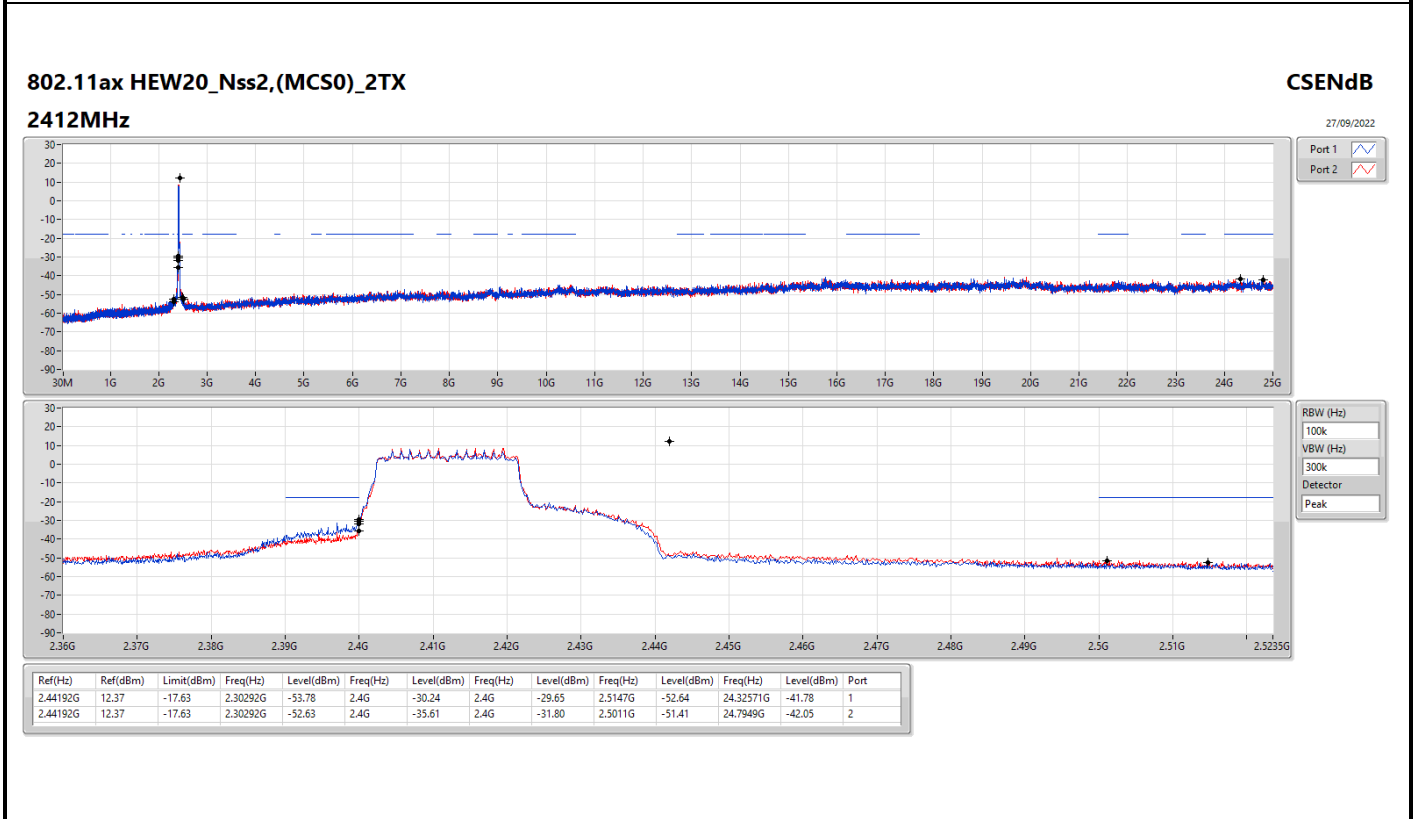
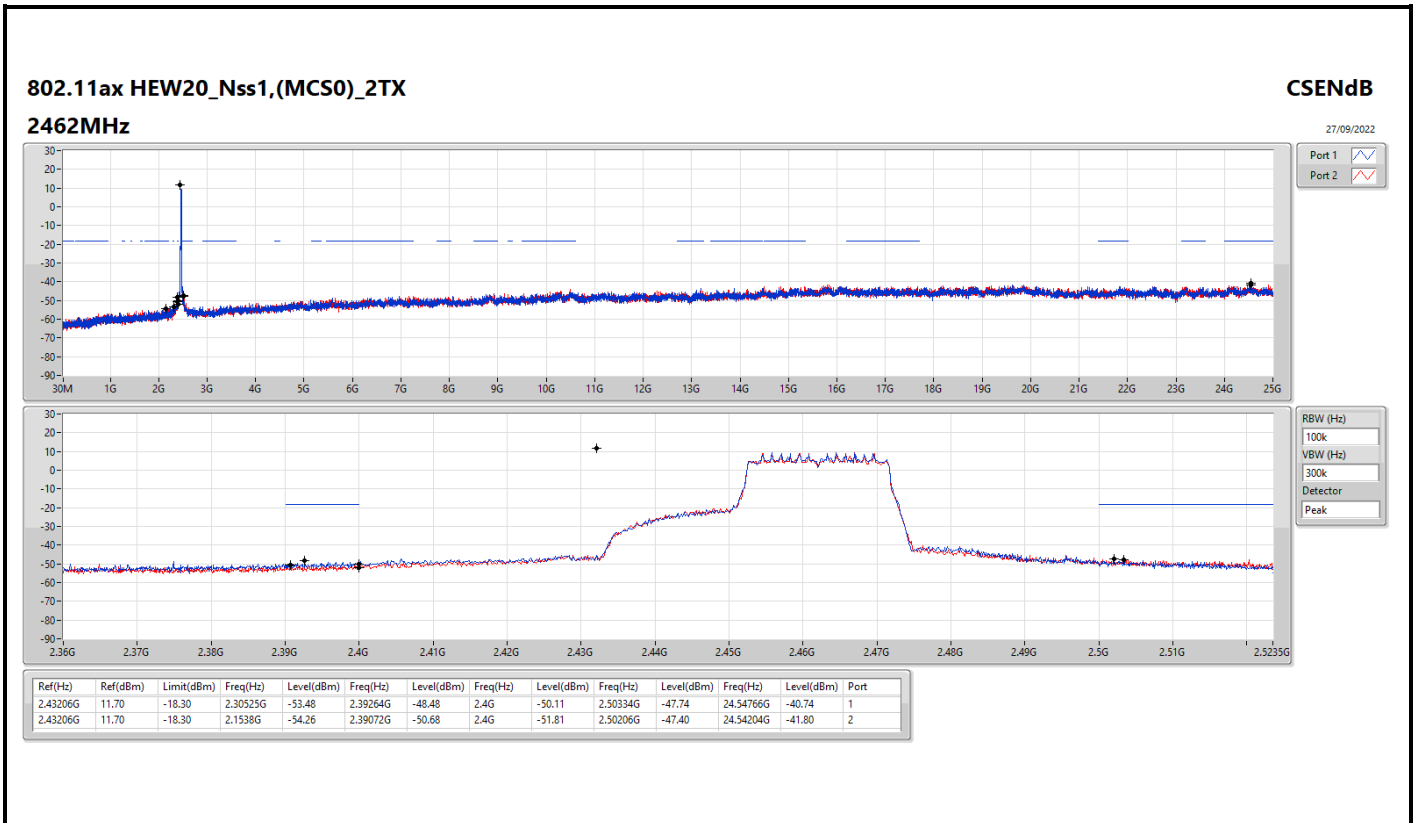


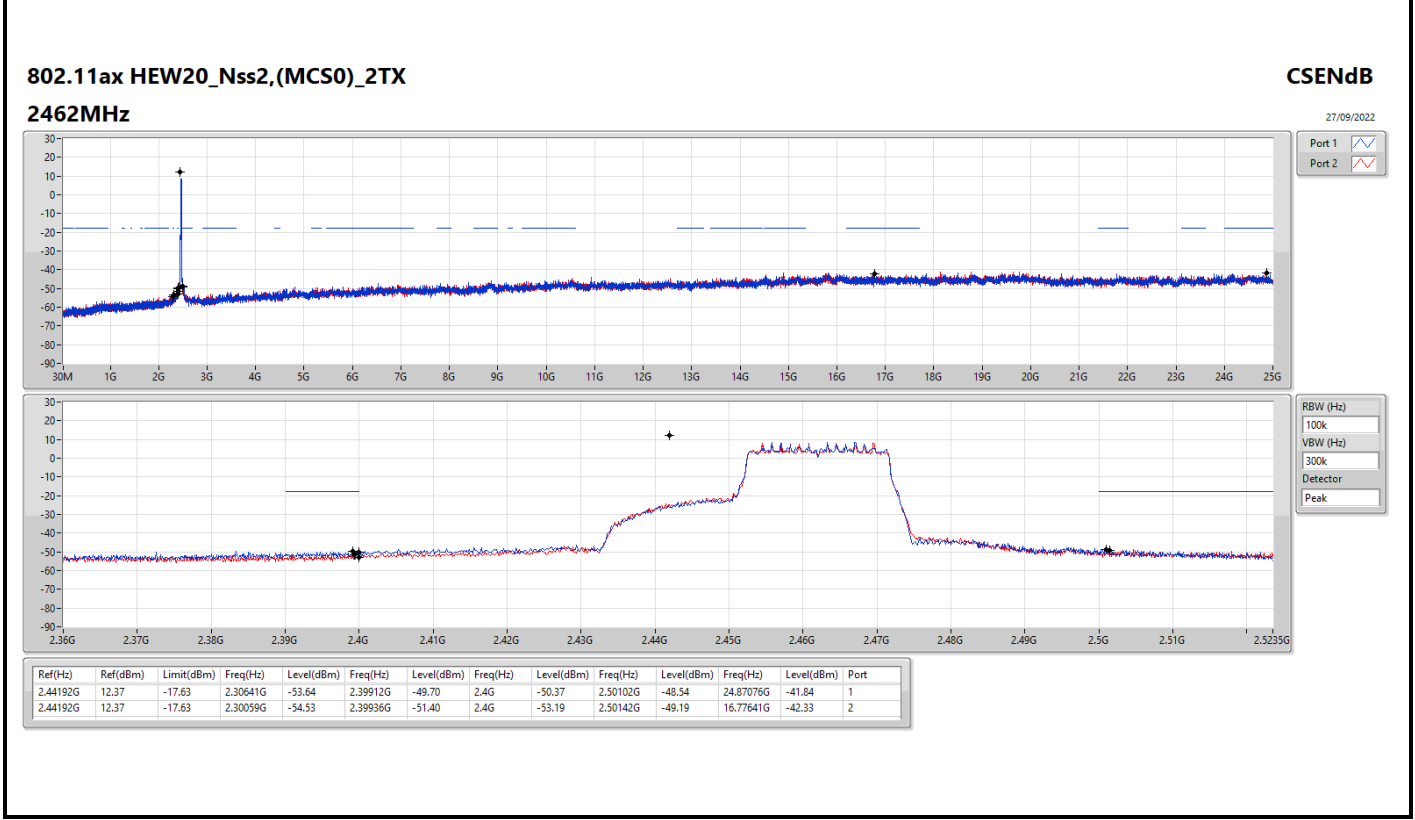
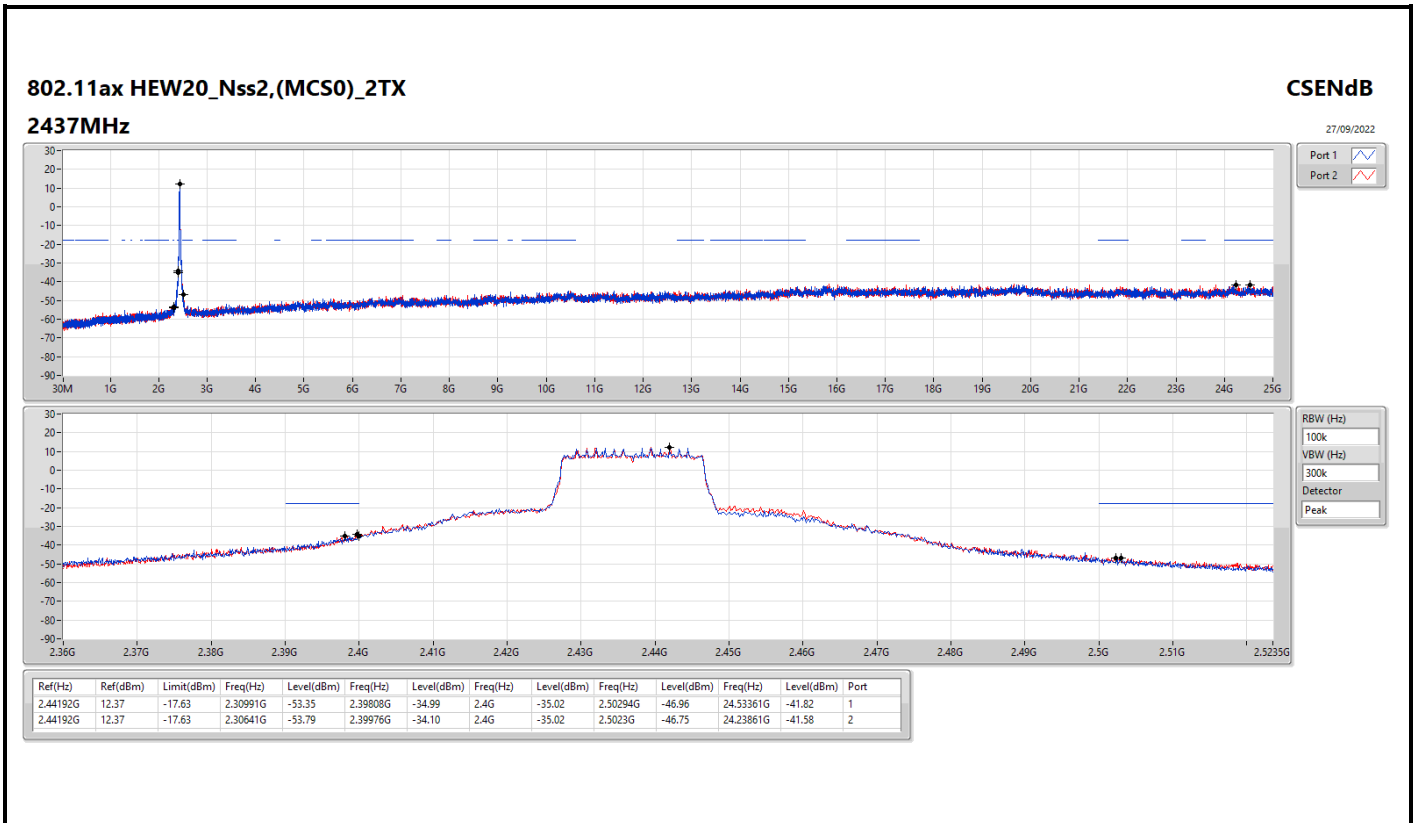


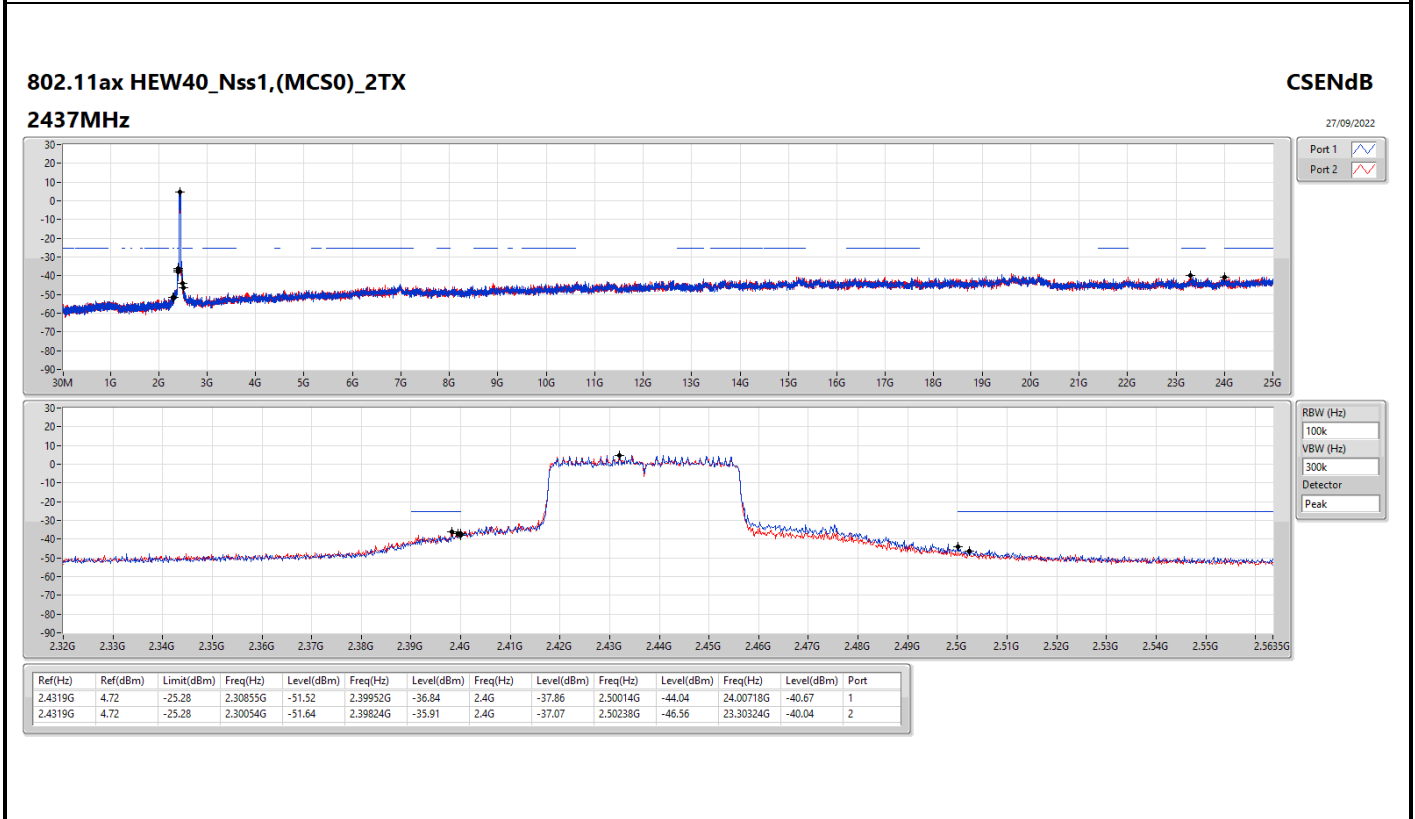
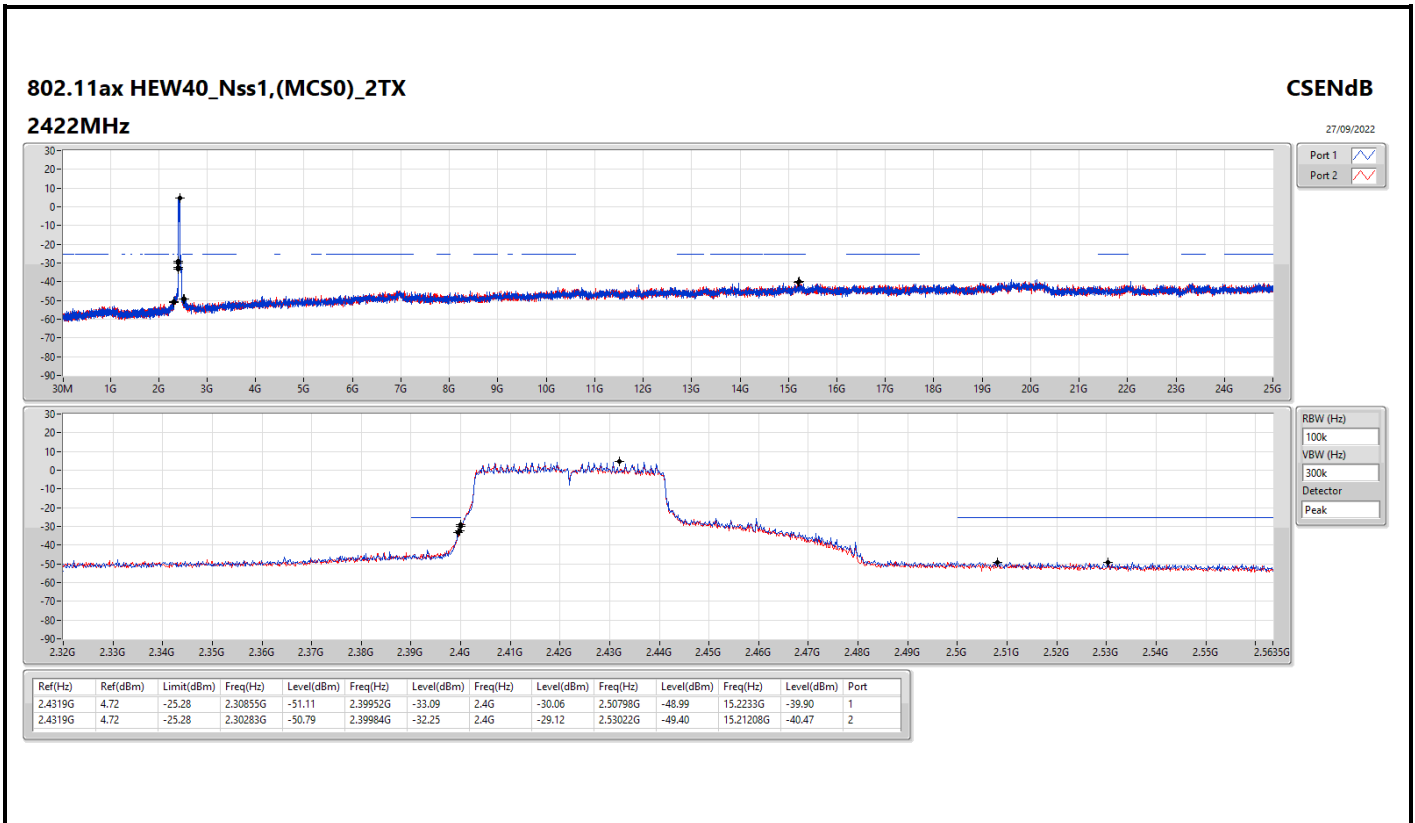


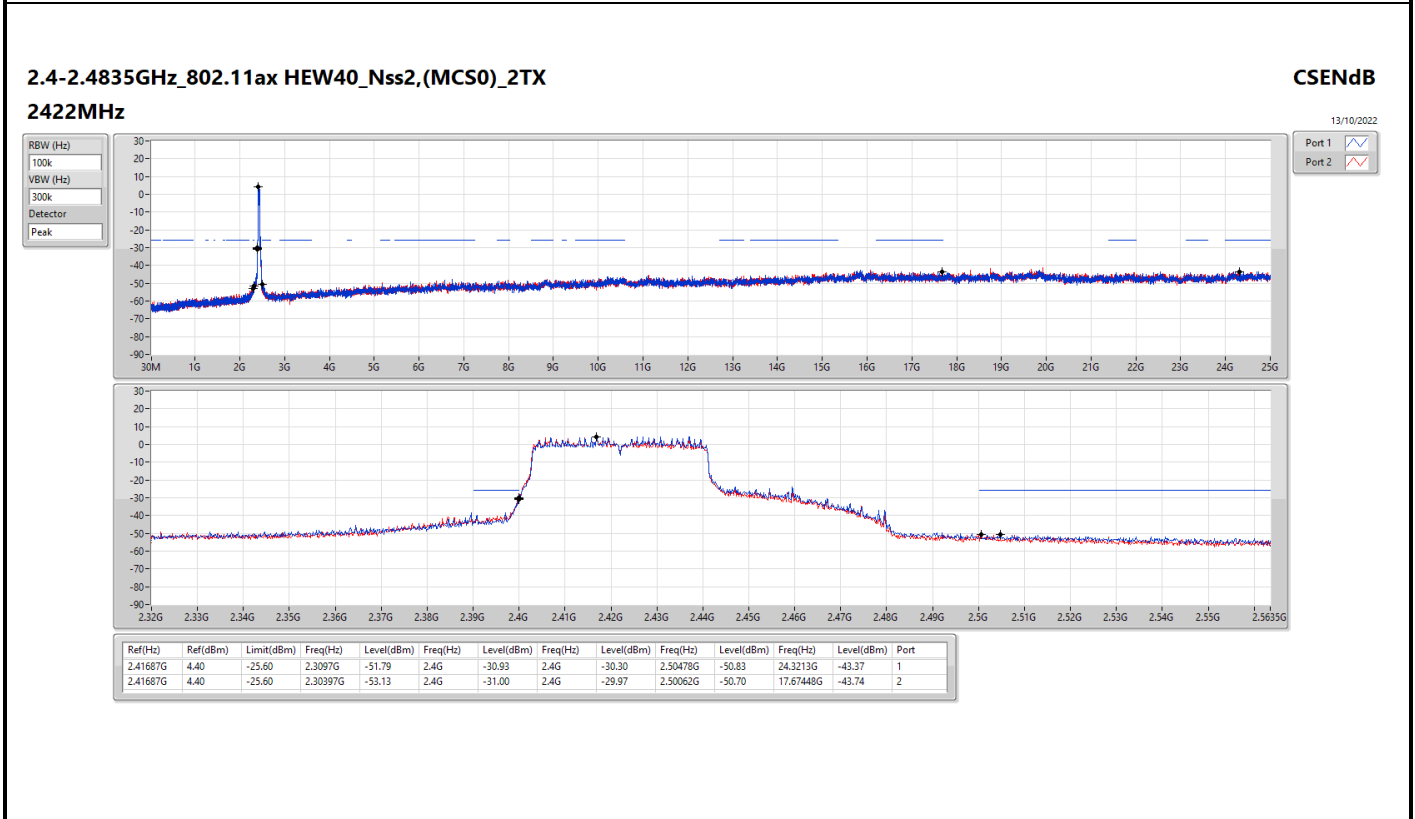
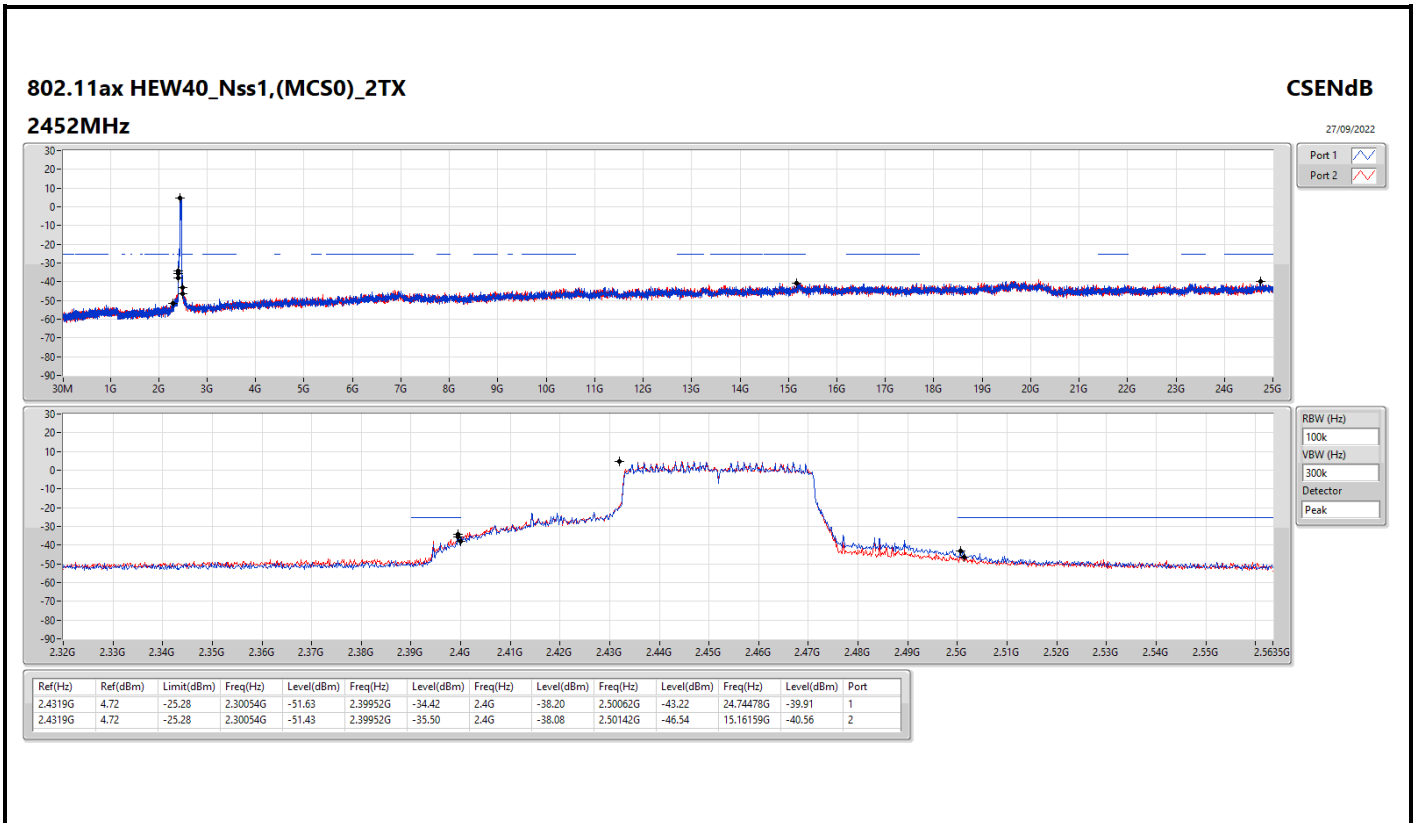


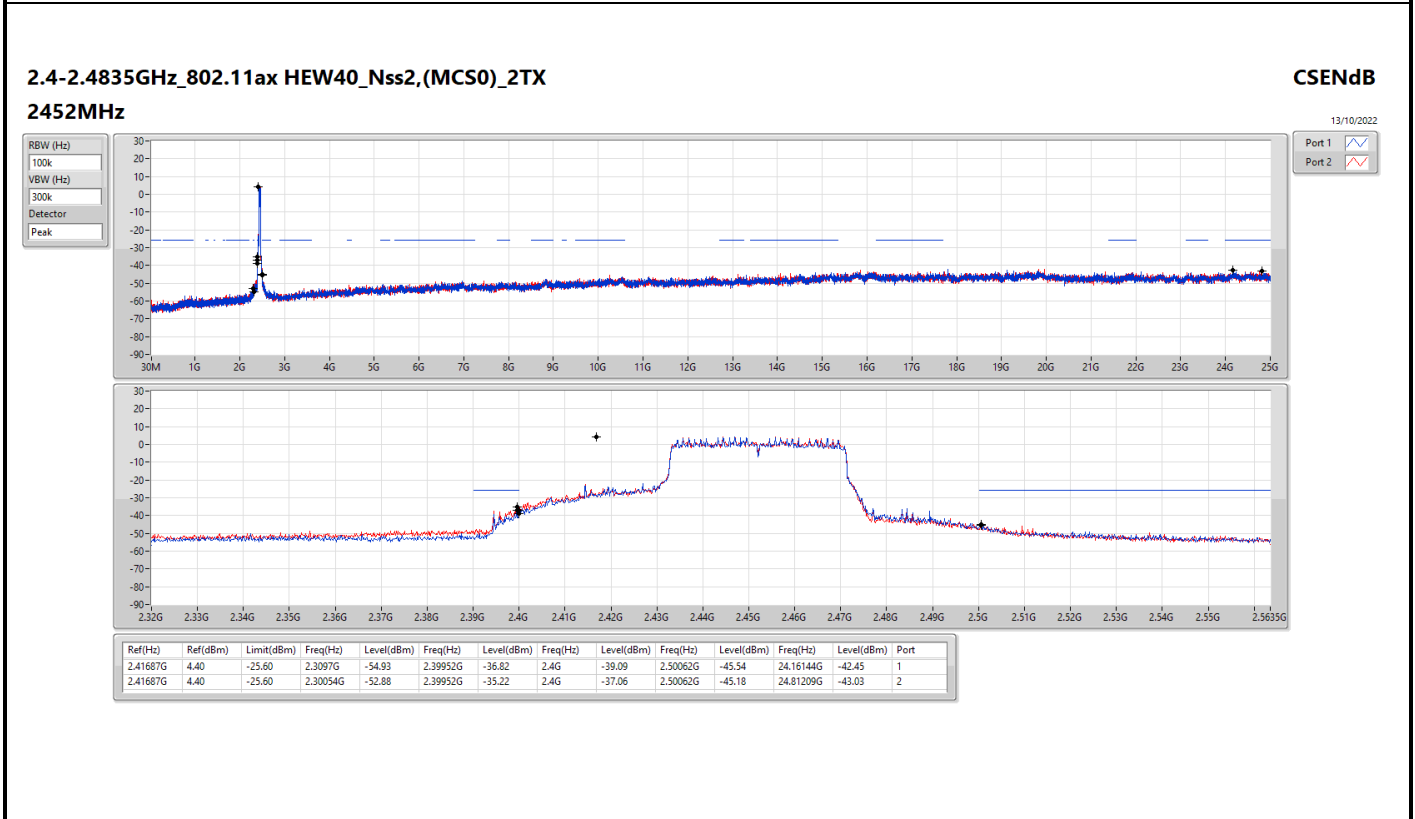
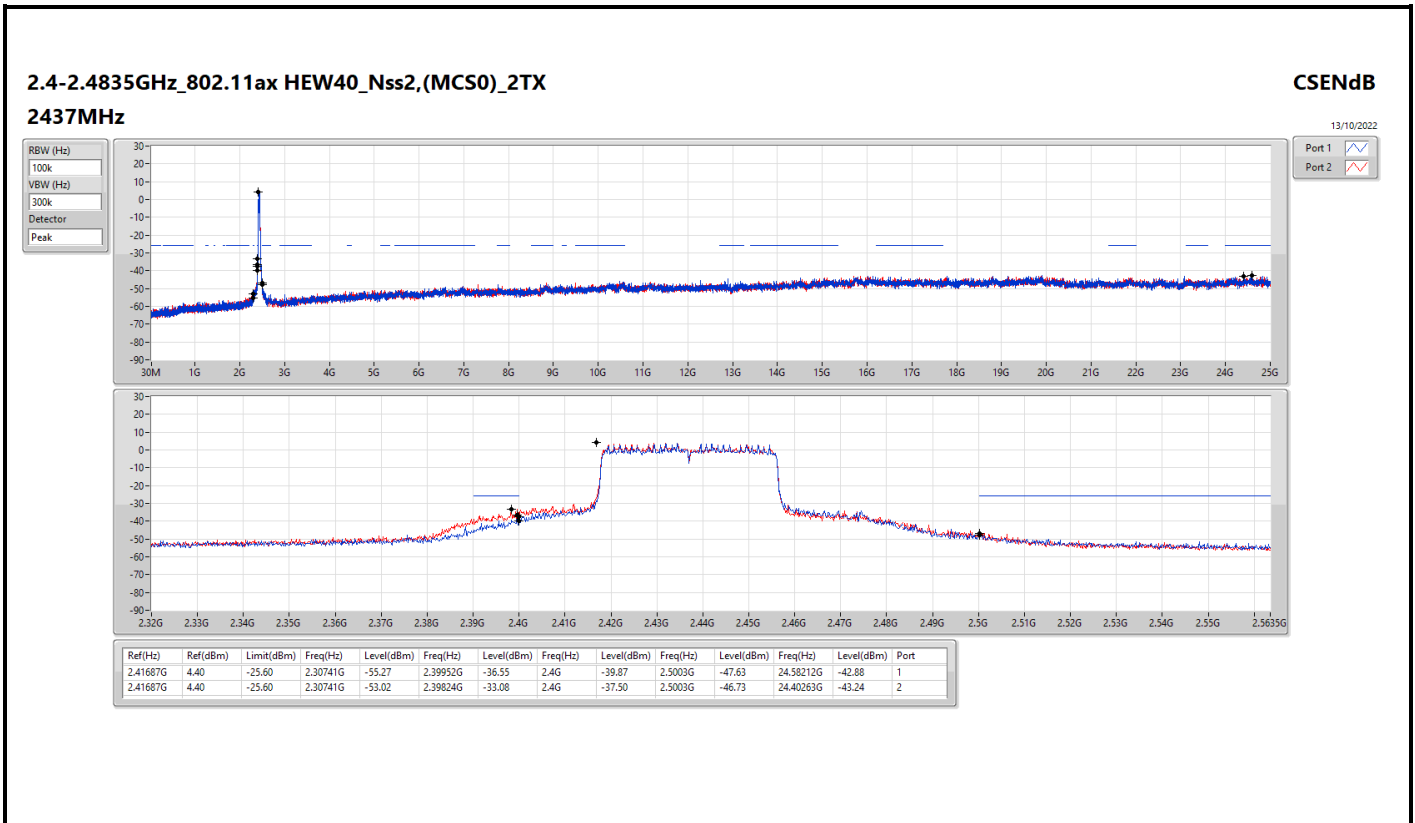














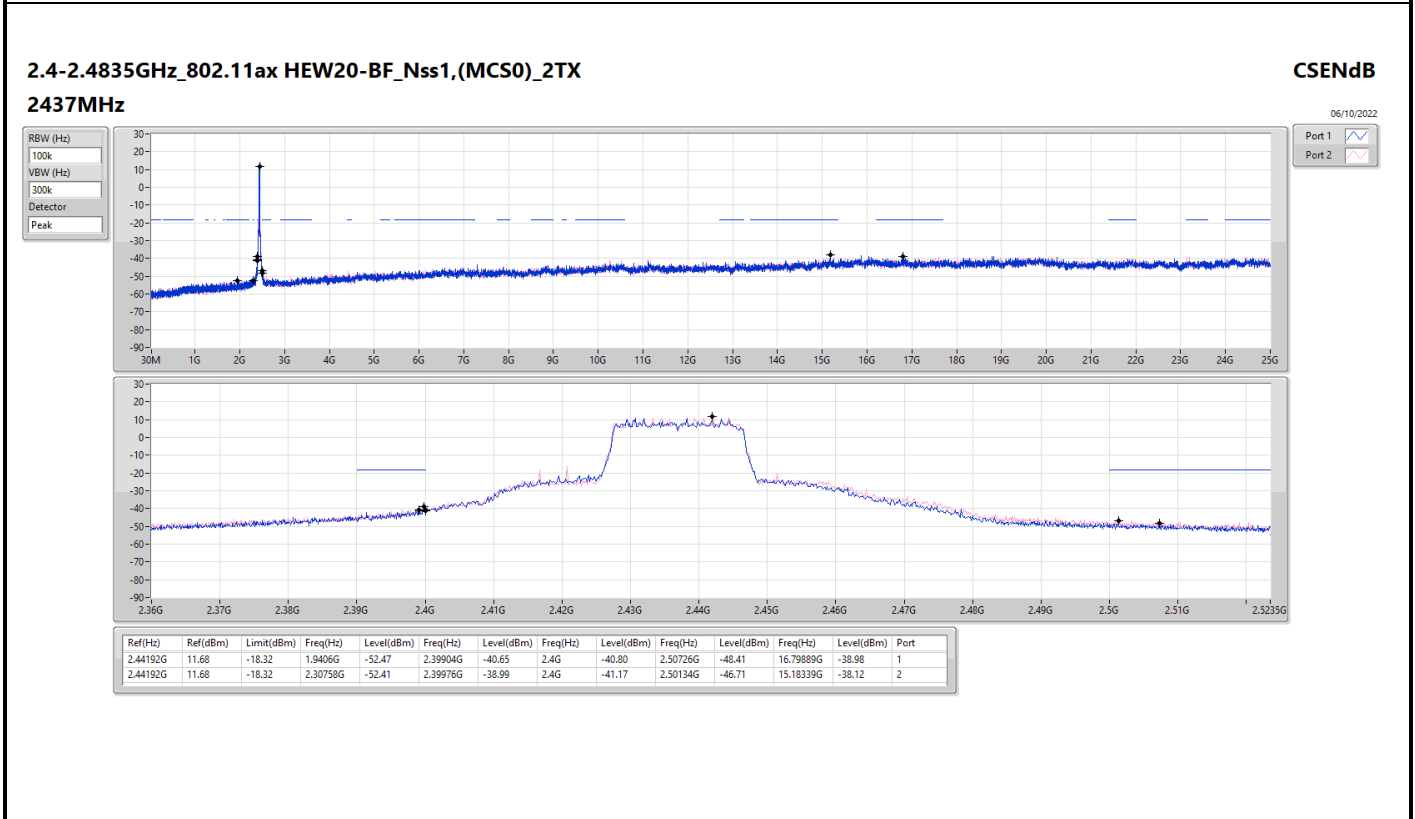
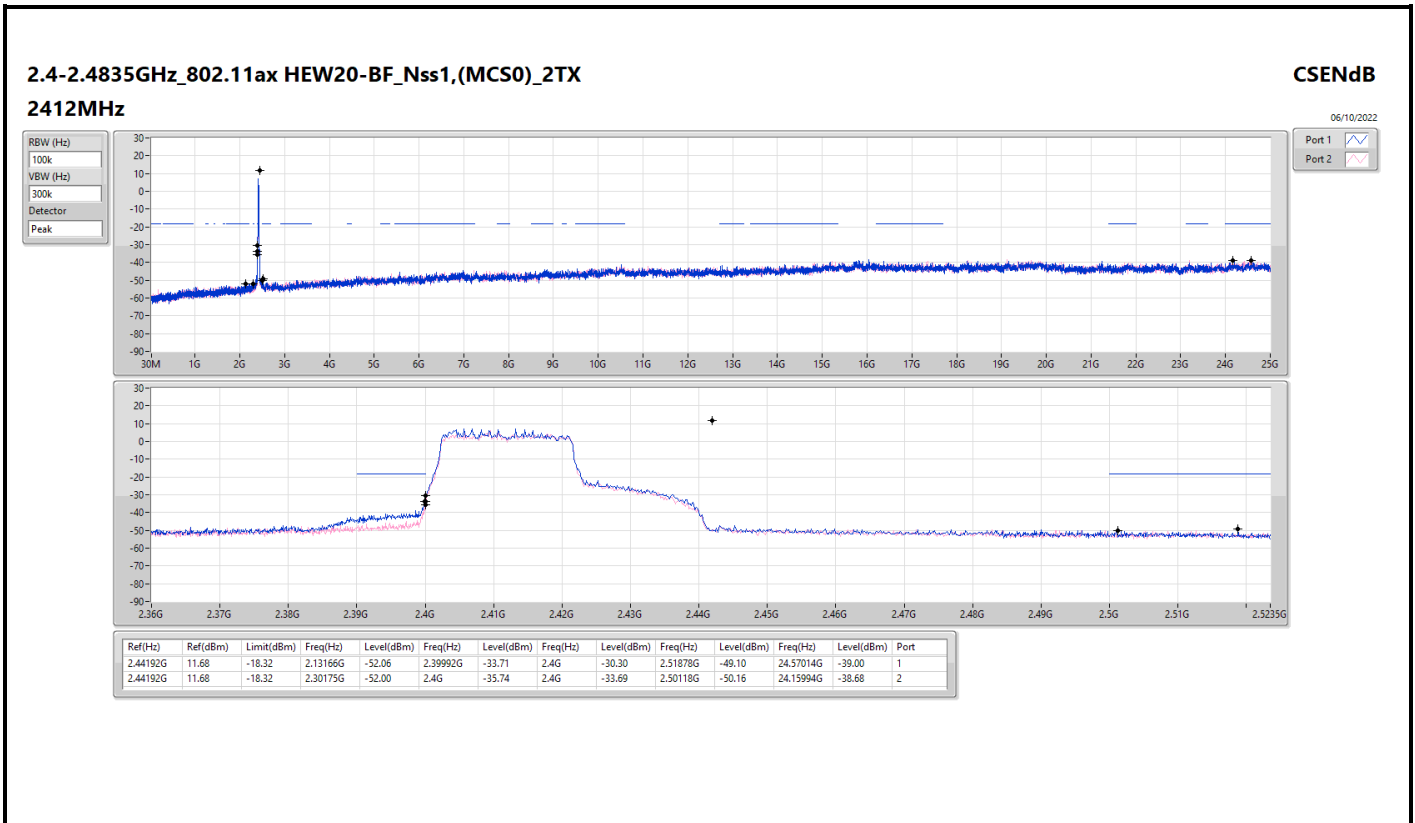
Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.44192G	11.68	-18.32	2.13166G	-52.06	2.39992G	-33.71	2.4G	-30.30	2.51878G	-49.10	24.57014G	-39.00	1
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.4157G	7.19	-22.81	2.3097G	-51.02	2.4G	-29.02	2.4G	-28.36	2.52846G	-48.56	21.929G	-39.57	1

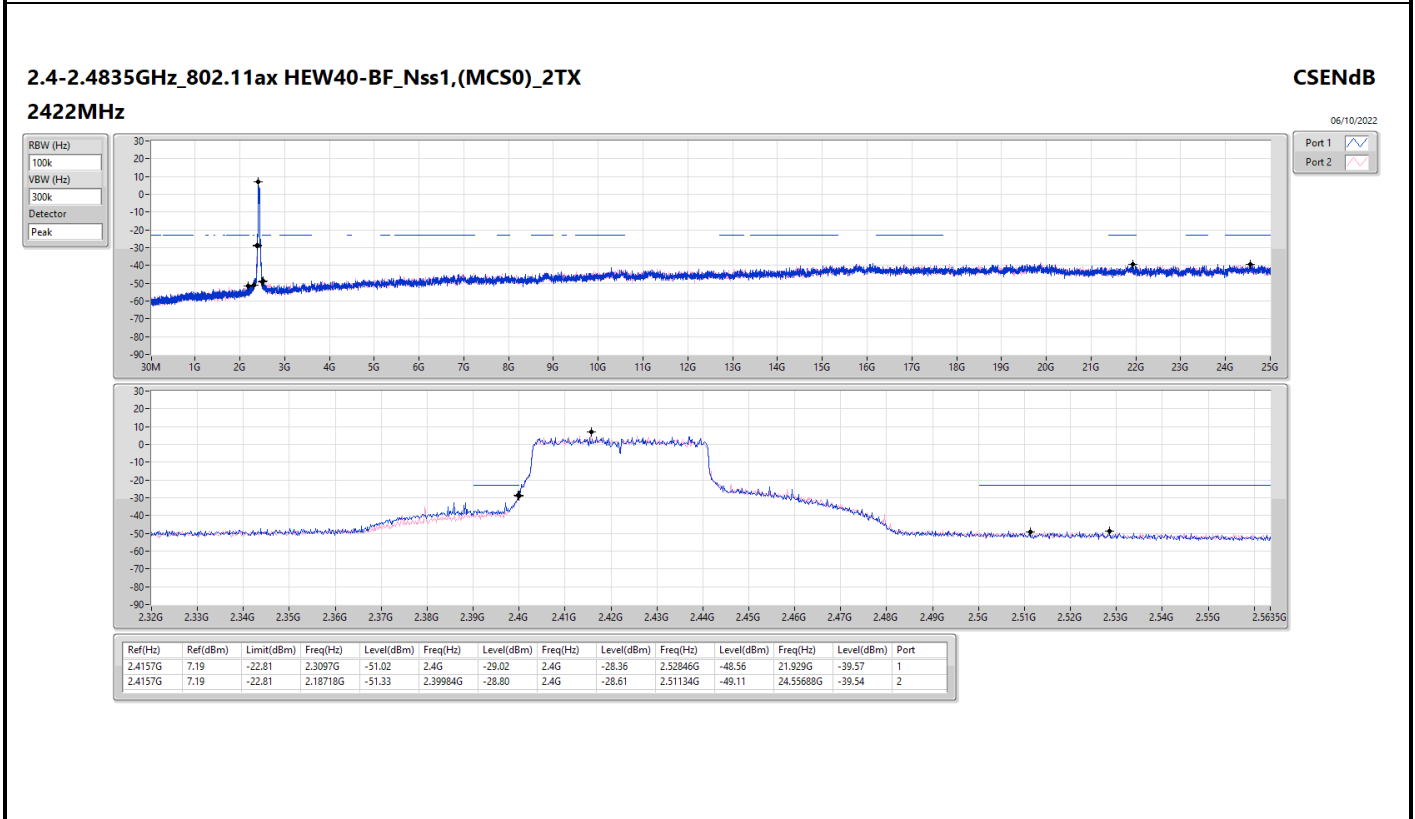
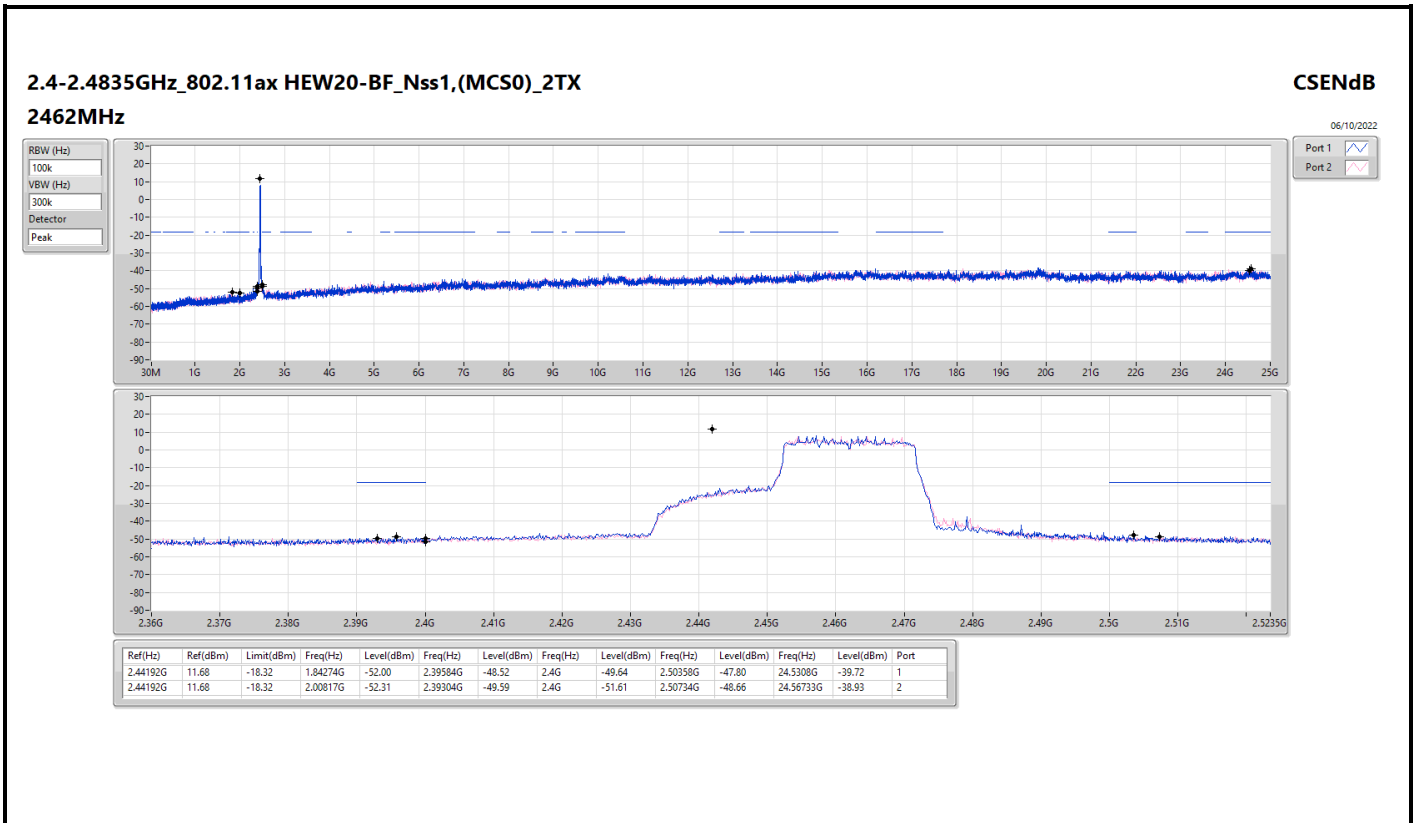


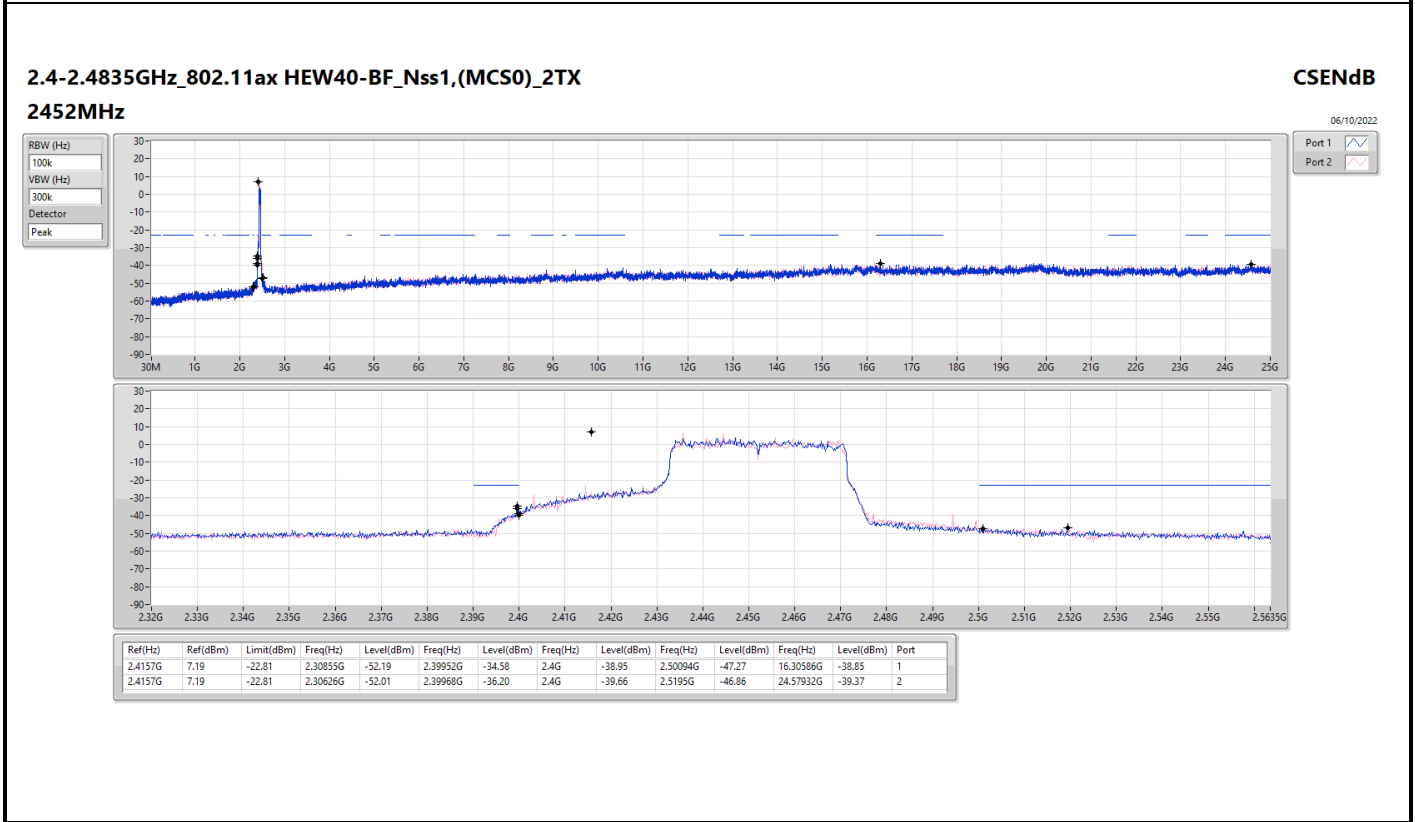
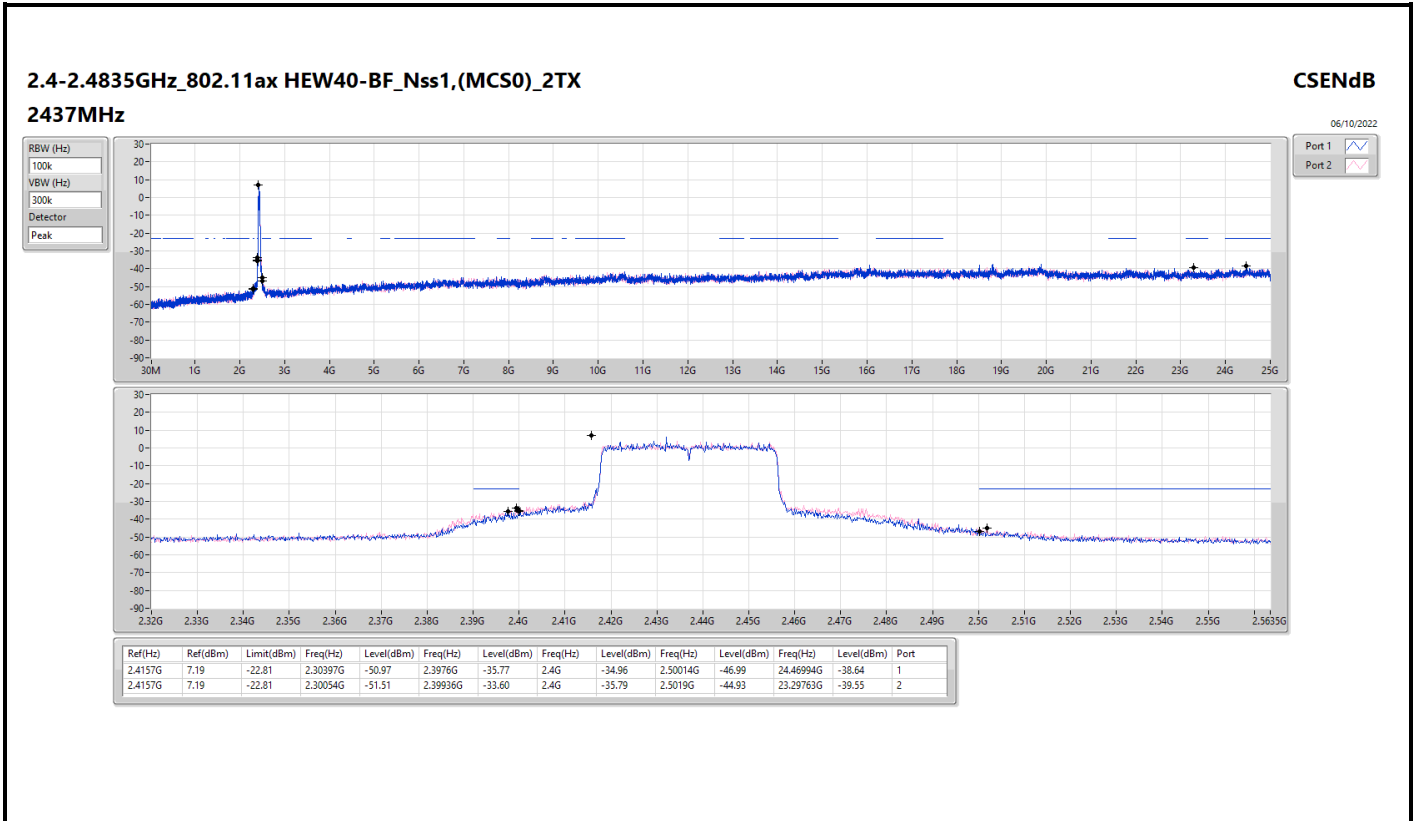
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	11.68	-18.32	2.13166G	-52.06	2.39992G	-33.71	2.4G	-30.30	2.51878G	-49.10	24.57014G	-39.00	1
2412MHz	Pass	2.44192G	11.68	-18.32	2.30175G	-52.00	2.4G	-35.74	2.4G	-33.69	2.50118G	-50.16	24.15994G	-38.68	2
2437MHz	Pass	2.44192G	11.68	-18.32	1.9406G	-52.47	2.39904G	-40.65	2.4G	-40.80	2.50726G	-48.41	16.79889G	-38.98	1
2437MHz	Pass	2.44192G	11.68	-18.32	2.30758G	-52.41	2.39976G	-38.99	2.4G	-41.17	2.50134G	-46.71	15.18339G	-38.12	2
2462MHz	Pass	2.44192G	11.68	-18.32	1.84274G	-52.00	2.39584G	-48.52	2.4G	-49.64	2.50358G	-47.80	24.5308G	-39.72	1
2462MHz	Pass	2.44192G	11.68	-18.32	2.00817G	-52.31	2.39304G	-49.59	2.4G	-51.61	2.50734G	-48.66	24.56733G	-38.93	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4157G	7.19	-22.81	2.3097G	-51.02	2.4G	-29.02	2.4G	-28.36	2.52846G	-48.56	21.929G	-39.57	1
2422MHz	Pass	2.4157G	7.19	-22.81	2.18718G	-51.33	2.39984G	-28.80	2.4G	-28.61	2.51134G	-49.11	24.55688G	-39.54	2
2437MHz	Pass	2.4157G	7.19	-22.81	2.30397G	-50.97	2.3976G	-35.77	2.4G	-34.96	2.50014G	-46.99	24.46994G	-38.64	1
2437MHz	Pass	2.4157G	7.19	-22.81	2.30054G	-51.51	2.39936G	-33.60	2.4G	-35.79	2.5019G	-44.93	23.29763G	-39.55	2
2452MHz	Pass	2.4157G	7.19	-22.81	2.30855G	-52.19	2.39952G	-34.58	2.4G	-38.95	2.50094G	-47.27	16.30586G	-38.85	1
2452MHz	Pass	2.4157G	7.19	-22.81	2.30626G	-52.01	2.39968G	-36.20	2.4G	-39.66	2.5195G	-46.86	24.57932G	-39.37	2











Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	299.66M	40.94	46.00	-5.06	3	Horizontal	360	1.00	-

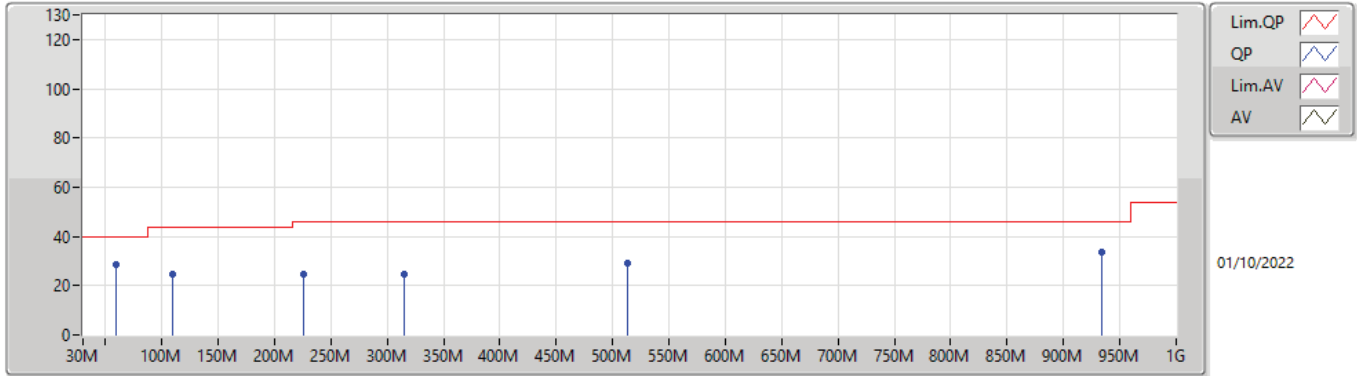


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	59.1M	28.68	40.00	-11.32	3	Vertical	0	1.00	-
2437MHz	Pass	PK	109.54M	24.82	43.50	-18.68	3	Vertical	0	1.00	-
2437MHz	Pass	PK	225.94M	24.46	46.00	-21.54	3	Vertical	0	1.00	-
2437MHz	Pass	PK	315.18M	24.38	46.00	-21.62	3	Vertical	0	1.00	-
2437MHz	Pass	PK	513.06M	28.94	46.00	-17.06	3	Vertical	0	1.00	-
2437MHz	Pass	PK	934.04M	33.45	46.00	-12.55	3	Vertical	0	1.00	-
2437MHz	Pass	PK	66.86M	28.65	40.00	-11.35	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	101.78M	28.33	43.50	-15.17	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	247.28M	28.82	46.00	-17.18	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	299.66M	40.94	46.00	-5.06	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	515M	33.62	46.00	-12.38	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	934.04M	33.69	46.00	-12.31	3	Horizontal	360	1.00	-

### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

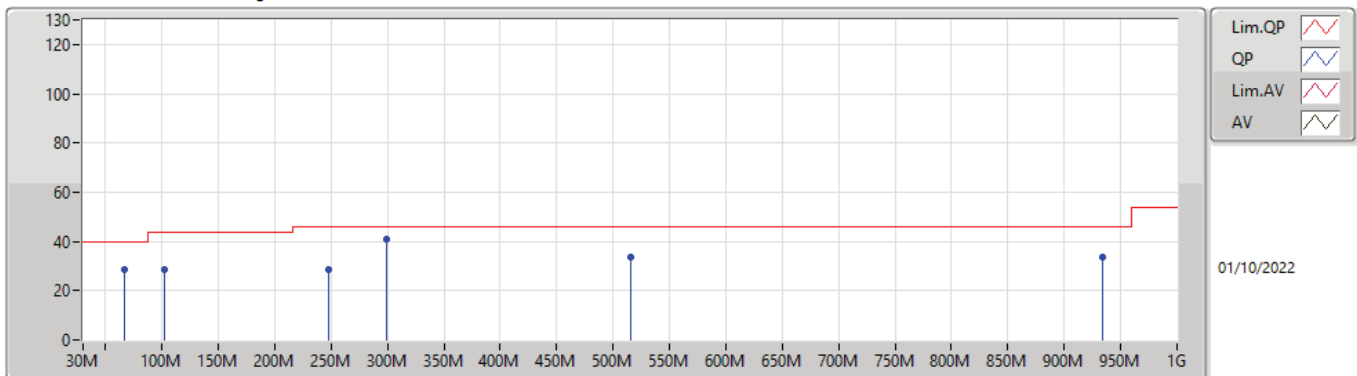
#### 2437MHz\_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	59.1M	28.68	40.00	-11.32	-25.37	3	Vertical	0	1.00	54.05	11.02	0.69	37.08
PK	109.54M	24.82	43.50	-18.68	-19.53	3	Vertical	0	1.00	44.35	16.06	1.04	36.63
PK	225.94M	24.46	46.00	-21.54	-20.12	3	Vertical	0	1.00	44.58	14.80	1.46	36.38
PK	315.18M	24.38	46.00	-21.62	-16.16	3	Vertical	0	1.00	40.54	18.53	1.76	36.45
PK	513.06M	28.94	46.00	-17.06	-11.46	3	Vertical	0	1.00	40.40	23.17	2.39	37.02
PK	934.04M	33.45	46.00	-12.55	-4.84	3	Vertical	0	1.00	38.29	29.25	3.34	37.43

### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

#### 2437MHz\_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	66.86M	28.65	40.00	-11.35	-24.98	3	Horizontal	360	1.00	53.63	11.27	0.75	37.00
PK	101.78M	28.33	43.50	-15.17	-20.24	3	Horizontal	360	1.00	48.57	15.43	0.97	36.64
PK	247.28M	28.82	46.00	-17.18	-17.61	3	Horizontal	360	1.00	46.43	17.34	1.52	36.47
PK	299.66M	40.94	46.00	-5.06	-16.34	3	Horizontal	360	1.00	57.28	18.36	1.71	36.41
PK	515M	33.62	46.00	-12.38	-11.48	3	Horizontal	360	1.00	45.10	23.14	2.40	37.02
PK	934.04M	33.69	46.00	-12.31	-4.84	3	Horizontal	360	1.00	38.53	29.25	3.34	37.43



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.39G	53.84	54.00	-0.16	3	Horizontal	304	2.14
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4836G	53.76	54.00	-0.24	3	Horizontal	62	2.25
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.3892G	53.93	54.00	-0.07	3	Horizontal	57	2.22
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	AV	2.3892G	53.93	54.00	-0.07	3	Horizontal	54	2.35
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.77	54.00	-0.23	3	Horizontal	58	2.09
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	AV	2.486G	53.94	54.00	-0.06	3	Horizontal	55	2.24



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3862G	47.65	54.00	-6.35	3	Vertical	74	2.72
2412MHz	Pass	AV	2.4112G	106.38	Inf	-Inf	3	Vertical	74	2.72
2412MHz	Pass	PK	2.3832G	60.61	74.00	-13.39	3	Vertical	74	2.72
2412MHz	Pass	PK	2.412G	109.72	Inf	-Inf	3	Vertical	74	2.72
2412MHz	Pass	AV	2.3888G	52.69	54.00	-1.31	3	Horizontal	297	2.26
2412MHz	Pass	AV	2.4112G	112.34	Inf	-Inf	3	Horizontal	297	2.26
2412MHz	Pass	PK	2.3888G	63.12	74.00	-10.88	3	Horizontal	297	2.26
2412MHz	Pass	PK	2.412G	116.06	Inf	-Inf	3	Horizontal	297	2.26
2412MHz	Pass	AV	4.82401G	38.12	54.00	-15.88	3	Vertical	281	2.25
2412MHz	Pass	PK	4.82399G	46.35	74.00	-27.65	3	Vertical	281	2.25
2412MHz	Pass	AV	4.82399G	39.69	54.00	-14.31	3	Horizontal	324	2.08
2412MHz	Pass	PK	4.82402G	47.78	74.00	-26.22	3	Horizontal	324	2.08
2417MHz	Pass	AV	2.39G	48.52	54.00	-5.48	3	Vertical	82	2.82
2417MHz	Pass	AV	2.4162G	106.56	Inf	-Inf	3	Vertical	82	2.82
2417MHz	Pass	PK	2.3748G	60.48	74.00	-13.52	3	Vertical	82	2.82
2417MHz	Pass	PK	2.4158G	109.91	Inf	-Inf	3	Vertical	82	2.82
2417MHz	Pass	AV	2.39G	53.84	54.00	-0.16	3	Horizontal	304	2.14
2417MHz	Pass	AV	2.4162G	112.93	Inf	-Inf	3	Horizontal	304	2.14
2417MHz	Pass	PK	2.39G	63.56	74.00	-10.44	3	Horizontal	304	2.14
2417MHz	Pass	PK	2.417G	116.51	Inf	-Inf	3	Horizontal	304	2.14
2437MHz	Pass	AV	2.3882G	46.64	54.00	-7.36	3	Vertical	246	2.36
2437MHz	Pass	AV	2.4362G	109.53	Inf	-Inf	3	Vertical	246	2.36
2437MHz	Pass	AV	2.4908G	46.75	54.00	-7.25	3	Vertical	246	2.36
2437MHz	Pass	PK	2.3868G	57.14	74.00	-16.86	3	Vertical	246	2.36
2437MHz	Pass	PK	2.4378G	111.54	Inf	-Inf	3	Vertical	246	2.36
2437MHz	Pass	PK	2.4856G	58.19	74.00	-15.81	3	Vertical	246	2.36
2437MHz	Pass	AV	2.3886G	52.37	54.00	-1.63	3	Horizontal	58	2.00
2437MHz	Pass	AV	2.4362G	113.99	Inf	-Inf	3	Horizontal	58	2.00
2437MHz	Pass	AV	2.4858G	51.27	54.00	-2.73	3	Horizontal	58	2.00
2437MHz	Pass	PK	2.3882G	61.36	74.00	-12.64	3	Horizontal	58	2.00
2437MHz	Pass	PK	2.4364G	116.59	Inf	-Inf	3	Horizontal	58	2.00
2437MHz	Pass	PK	2.4835G	60.78	74.00	-13.22	3	Horizontal	58	2.00
2437MHz	Pass	AV	4.874G	47.77	54.00	-6.23	3	Vertical	274	1.97
2437MHz	Pass	AV	7.31016G	43.78	54.00	-10.22	3	Vertical	267	1.96
2437MHz	Pass	PK	4.8741G	51.10	74.00	-22.90	3	Vertical	274	1.97
2437MHz	Pass	PK	7.31181G	51.35	74.00	-22.65	3	Vertical	267	1.96
2437MHz	Pass	AV	4.874G	44.80	54.00	-9.20	3	Horizontal	169	1.64
2437MHz	Pass	AV	7.3101G	41.06	54.00	-12.94	3	Horizontal	336	1.92
2437MHz	Pass	PK	4.87394G	48.24	74.00	-25.76	3	Horizontal	169	1.64
2437MHz	Pass	PK	7.3098G	49.63	74.00	-24.37	3	Horizontal	336	1.92
2457MHz	Pass	AV	2.4562G	108.56	Inf	-Inf	3	Vertical	344	2.84
2457MHz	Pass	AV	2.4838G	49.63	54.00	-4.37	3	Vertical	344	2.84
2457MHz	Pass	PK	2.457G	111.87	Inf	-Inf	3	Vertical	344	2.84
2457MHz	Pass	PK	2.4835G	61.03	74.00	-12.97	3	Vertical	344	2.84
2457MHz	Pass	AV	2.4562G	113.19	Inf	-Inf	3	Horizontal	305	2.28
2457MHz	Pass	AV	2.4838G	53.47	54.00	-0.53	3	Horizontal	305	2.28
2457MHz	Pass	PK	2.457G	117.30	Inf	-Inf	3	Horizontal	305	2.28
2457MHz	Pass	PK	2.4836G	63.12	74.00	-10.88	3	Horizontal	305	2.28
2462MHz	Pass	AV	2.4626G	107.90	Inf	-Inf	3	Vertical	344	2.84
2462MHz	Pass	AV	2.4886G	49.55	54.00	-4.45	3	Vertical	344	2.84
2462MHz	Pass	PK	2.462G	111.42	Inf	-Inf	3	Vertical	344	2.84
2462MHz	Pass	PK	2.4878G	61.47	74.00	-12.53	3	Vertical	344	2.84
2462MHz	Pass	AV	2.4612G	113.07	Inf	-Inf	3	Horizontal	308	2.28
2462MHz	Pass	AV	2.4888G	51.77	54.00	-2.23	3	Horizontal	308	2.28
2462MHz	Pass	PK	2.462G	117.06	Inf	-Inf	3	Horizontal	308	2.28
2462MHz	Pass	PK	2.4838G	63.85	74.00	-10.15	3	Horizontal	308	2.28
2462MHz	Pass	AV	4.92397G	41.41	54.00	-12.59	3	Vertical	183	1.10
2462MHz	Pass	AV	7.38495G	39.90	54.00	-14.10	3	Vertical	329	1.58
2462MHz	Pass	PK	4.92379G	45.95	74.00	-28.05	3	Vertical	183	1.10
2462MHz	Pass	PK	7.39722G	48.14	74.00	-25.86	3	Vertical	329	1.58



RSE TX above 1GHz\_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	4.92397G	42.13	54.00	-11.87	3	Horizontal	170	1.94
2462MHz	Pass	AV	7.38498G	39.68	54.00	-14.32	3	Horizontal	333	1.42
2462MHz	Pass	PK	4.92409G	47.86	74.00	-26.14	3	Horizontal	170	1.94
2462MHz	Pass	PK	7.38798G	49.19	74.00	-24.81	3	Horizontal	333	1.42
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	47.63	54.00	-6.37	3	Vertical	259	2.16
2412MHz	Pass	AV	2.4084G	99.60	Inf	-Inf	3	Vertical	259	2.16
2412MHz	Pass	PK	2.3846G	60.36	74.00	-13.64	3	Vertical	259	2.16
2412MHz	Pass	PK	2.4082G	109.70	Inf	-Inf	3	Vertical	259	2.16
2412MHz	Pass	AV	2.3898G	53.64	54.00	-0.36	3	Horizontal	56	2.22
2412MHz	Pass	AV	2.4144G	107.02	Inf	-Inf	3	Horizontal	56	2.22
2412MHz	Pass	PK	2.3898G	68.22	74.00	-5.78	3	Horizontal	56	2.22
2412MHz	Pass	PK	2.414G	116.64	Inf	-Inf	3	Horizontal	56	2.22
2412MHz	Pass	AV	4.8233G	35.02	54.00	-18.98	3	Vertical	279	2.38
2412MHz	Pass	PK	4.82387G	46.51	74.00	-27.49	3	Vertical	279	2.38
2412MHz	Pass	AV	4.82327G	35.06	54.00	-18.94	3	Horizontal	194	2.54
2412MHz	Pass	PK	4.82304G	45.61	74.00	-28.39	3	Horizontal	194	2.54
2417MHz	Pass	AV	2.39G	47.82	54.00	-6.18	3	Vertical	256	2.19
2417MHz	Pass	AV	2.4186G	100.98	Inf	-Inf	3	Vertical	256	2.19
2417MHz	Pass	PK	2.3846G	60.36	74.00	-13.64	3	Vertical	256	2.19
2417MHz	Pass	PK	2.4186G	110.70	Inf	-Inf	3	Vertical	256	2.19
2417MHz	Pass	AV	2.3898G	53.47	54.00	-0.53	3	Horizontal	59	2.23
2417MHz	Pass	AV	2.4192G	107.98	Inf	-Inf	3	Horizontal	59	2.23
2417MHz	Pass	PK	2.39G	66.66	74.00	-7.34	3	Horizontal	59	2.23
2417MHz	Pass	PK	2.4192G	117.68	Inf	-Inf	3	Horizontal	59	2.23
2437MHz	Pass	AV	2.3898G	47.58	54.00	-6.42	3	Vertical	249	2.13
2437MHz	Pass	AV	2.441G	103.28	Inf	-Inf	3	Vertical	249	2.13
2437MHz	Pass	AV	2.4846G	48.90	54.00	-5.10	3	Vertical	249	2.13
2437MHz	Pass	PK	2.3742G	60.18	74.00	-13.82	3	Vertical	249	2.13
2437MHz	Pass	PK	2.441G	112.87	Inf	-Inf	3	Vertical	249	2.13
2437MHz	Pass	PK	2.4846G	62.56	74.00	-11.44	3	Vertical	249	2.13
2437MHz	Pass	AV	2.3874G	52.83	54.00	-1.17	3	Horizontal	59	2.11
2437MHz	Pass	AV	2.4322G	109.11	Inf	-Inf	3	Horizontal	59	2.11
2437MHz	Pass	AV	2.485G	50.98	54.00	-3.02	3	Horizontal	59	2.11
2437MHz	Pass	PK	2.3882G	65.67	74.00	-8.33	3	Horizontal	59	2.11
2437MHz	Pass	PK	2.4318G	118.77	Inf	-Inf	3	Horizontal	59	2.11
2437MHz	Pass	PK	2.4854G	64.49	74.00	-9.51	3	Horizontal	59	2.11
2437MHz	Pass	AV	4.87655G	37.09	54.00	-16.91	3	Vertical	279	1.50
2437MHz	Pass	AV	7.30059G	38.56	54.00	-15.44	3	Vertical	98	1.50
2437MHz	Pass	PK	4.86473G	46.58	74.00	-27.42	3	Vertical	279	1.50
2437MHz	Pass	PK	7.32225G	48.48	74.00	-25.52	3	Vertical	98	1.50
2437MHz	Pass	AV	4.87586G	36.90	54.00	-17.10	3	Horizontal	171	1.60
2437MHz	Pass	AV	7.29753G	38.60	54.00	-15.40	3	Horizontal	88	1.89
2437MHz	Pass	PK	4.86671G	45.33	74.00	-28.67	3	Horizontal	171	1.60
2437MHz	Pass	PK	7.30911G	48.18	74.00	-25.82	3	Horizontal	88	1.89
2457MHz	Pass	AV	2.456G	103.06	Inf	-Inf	3	Vertical	247	1.87
2457MHz	Pass	AV	2.4856G	49.55	54.00	-4.45	3	Vertical	247	1.87
2457MHz	Pass	PK	2.4556G	113.01	Inf	-Inf	3	Vertical	247	1.87
2457MHz	Pass	PK	2.4842G	63.21	74.00	-10.79	3	Vertical	247	1.87
2457MHz	Pass	AV	2.452G	109.16	Inf	-Inf	3	Horizontal	61	2.22
2457MHz	Pass	AV	2.4835G	53.27	54.00	-0.73	3	Horizontal	61	2.22
2457MHz	Pass	PK	2.462G	119.03	Inf	-Inf	3	Horizontal	61	2.22
2457MHz	Pass	PK	2.4856G	67.04	74.00	-6.96	3	Horizontal	61	2.22
2462MHz	Pass	AV	2.459G	102.02	Inf	-Inf	3	Vertical	246	1.88
2462MHz	Pass	AV	2.4835G	50.22	54.00	-3.78	3	Vertical	246	1.88
2462MHz	Pass	PK	2.4588G	109.80	Inf	-Inf	3	Vertical	246	1.88
2462MHz	Pass	PK	2.4836G	61.31	74.00	-12.69	3	Vertical	246	1.88
2462MHz	Pass	AV	2.4598G	108.32	Inf	-Inf	3	Horizontal	62	2.25
2462MHz	Pass	AV	2.4836G	53.76	54.00	-0.24	3	Horizontal	62	2.25
2462MHz	Pass	PK	2.4598G	116.09	Inf	-Inf	3	Horizontal	62	2.25
2462MHz	Pass	PK	2.4852G	64.88	74.00	-9.12	3	Horizontal	62	2.25
2462MHz	Pass	AV	4.92607G	36.43	54.00	-17.57	3	Vertical	276	2.03





RSE TX above 1GHz\_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	7.39158G	38.55	54.00	-15.45	3	Vertical	172	2.60
2462MHz	Pass	PK	4.93498G	45.45	74.00	-28.55	3	Vertical	276	2.03
2462MHz	Pass	PK	7.39236G	47.86	74.00	-26.14	3	Vertical	172	2.60
2462MHz	Pass	AV	4.92223G	36.48	54.00	-17.52	3	Horizontal	173	1.78
2462MHz	Pass	AV	7.39359G	38.50	54.00	-15.50	3	Horizontal	72	1.85
2462MHz	Pass	PK	4.91599G	46.06	74.00	-27.94	3	Horizontal	173	1.78
2462MHz	Pass	PK	7.39062G	48.96	74.00	-25.04	3	Horizontal	72	1.85
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	47.60	54.00	-6.40	3	Vertical	256	2.17
2412MHz	Pass	AV	2.4102G	96.64	Inf	-Inf	3	Vertical	256	2.17
2412MHz	Pass	PK	2.3894G	62.10	74.00	-11.90	3	Vertical	256	2.17
2412MHz	Pass	PK	2.4104G	109.16	Inf	-Inf	3	Vertical	256	2.17
2412MHz	Pass	AV	2.39G	53.50	54.00	-0.50	3	Horizontal	57	2.21
2412MHz	Pass	AV	2.413G	103.49	Inf	-Inf	3	Horizontal	57	2.21
2412MHz	Pass	PK	2.3898G	67.95	74.00	-6.05	3	Horizontal	57	2.21
2412MHz	Pass	PK	2.413G	116.32	Inf	-Inf	3	Horizontal	57	2.21
2412MHz	Pass	AV	4.82316G	34.34	54.00	-19.66	3	Vertical	350	1.85
2412MHz	Pass	PK	4.82278G	47.04	74.00	-26.96	3	Vertical	350	1.85
2412MHz	Pass	AV	4.82304G	34.37	54.00	-19.63	3	Horizontal	15	2.94
2412MHz	Pass	PK	4.82304G	46.61	74.00	-27.39	3	Horizontal	15	2.94
2417MHz	Pass	AV	2.3898G	48.10	54.00	-5.90	3	Vertical	246	2.18
2417MHz	Pass	AV	2.4216G	98.95	Inf	-Inf	3	Vertical	246	2.18
2417MHz	Pass	PK	2.3896G	61.34	74.00	-12.66	3	Vertical	246	2.18
2417MHz	Pass	PK	2.414G	112.90	Inf	-Inf	3	Vertical	246	2.18
2417MHz	Pass	AV	2.3892G	53.93	54.00	-0.07	3	Horizontal	57	2.22
2417MHz	Pass	AV	2.4118G	105.64	Inf	-Inf	3	Horizontal	57	2.22
2417MHz	Pass	PK	2.3852G	67.91	74.00	-6.09	3	Horizontal	57	2.22
2417MHz	Pass	PK	2.414G	119.50	Inf	-Inf	3	Horizontal	57	2.22
2437MHz	Pass	AV	2.3898G	47.30	54.00	-6.70	3	Vertical	246	2.38
2437MHz	Pass	AV	2.4414G	100.97	Inf	-Inf	3	Vertical	246	2.38
2437MHz	Pass	AV	2.4835G	48.51	54.00	-5.49	3	Vertical	246	2.38
2437MHz	Pass	PK	2.3882G	59.80	74.00	-14.20	3	Vertical	246	2.38
2437MHz	Pass	PK	2.4338G	115.04	Inf	-Inf	3	Vertical	246	2.38
2437MHz	Pass	PK	2.4835G	60.65	74.00	-13.35	3	Vertical	246	2.38
2437MHz	Pass	AV	2.3898G	53.33	54.00	-0.67	3	Horizontal	58	2.11
2437MHz	Pass	AV	2.4322G	106.30	Inf	-Inf	3	Horizontal	58	2.11
2437MHz	Pass	AV	2.4835G	51.52	54.00	-2.48	3	Horizontal	58	2.11
2437MHz	Pass	PK	2.385G	66.45	74.00	-7.55	3	Horizontal	58	2.11
2437MHz	Pass	PK	2.4298G	118.74	Inf	-Inf	3	Horizontal	58	2.11
2437MHz	Pass	PK	2.4858G	65.26	74.00	-8.74	3	Horizontal	58	2.11
2437MHz	Pass	AV	4.8752G	36.25	54.00	-17.75	3	Vertical	280	1.48
2437MHz	Pass	AV	7.29912G	38.45	54.00	-15.55	3	Vertical	256	1.88
2437MHz	Pass	PK	4.88273G	46.96	74.00	-27.04	3	Vertical	280	1.48
2437MHz	Pass	PK	7.30002G	48.15	74.00	-25.85	3	Vertical	256	1.88
2437MHz	Pass	AV	4.87004G	35.91	54.00	-18.09	3	Horizontal	170	1.64
2437MHz	Pass	AV	7.2963G	38.14	54.00	-15.86	3	Horizontal	318	1.39
2437MHz	Pass	PK	4.87736G	45.44	74.00	-28.56	3	Horizontal	170	1.64
2437MHz	Pass	PK	7.30344G	49.01	74.00	-24.99	3	Horizontal	318	1.39
2457MHz	Pass	AV	2.454G	100.33	Inf	-Inf	3	Vertical	246	1.87
2457MHz	Pass	AV	2.4838G	49.18	54.00	-4.82	3	Vertical	246	1.87
2457MHz	Pass	PK	2.454G	114.98	Inf	-Inf	3	Vertical	246	1.87
2457MHz	Pass	PK	2.4846G	62.95	74.00	-11.05	3	Vertical	246	1.87
2457MHz	Pass	AV	2.4596G	106.36	Inf	-Inf	3	Horizontal	60	2.24
2457MHz	Pass	AV	2.4835G	53.67	54.00	-0.33	3	Horizontal	60	2.24
2457MHz	Pass	PK	2.462G	119.99	Inf	-Inf	3	Horizontal	60	2.24
2457MHz	Pass	PK	2.4835G	68.03	74.00	-5.97	3	Horizontal	60	2.24
2462MHz	Pass	AV	2.4566G	99.16	Inf	-Inf	3	Vertical	246	1.87
2462MHz	Pass	AV	2.4838G	49.76	54.00	-4.24	3	Vertical	246	1.87
2462MHz	Pass	PK	2.459G	113.47	Inf	-Inf	3	Vertical	246	1.87
2462MHz	Pass	PK	2.487G	64.73	74.00	-9.27	3	Vertical	246	1.87
2462MHz	Pass	AV	2.457G	104.93	Inf	-Inf	3	Horizontal	61	2.26
2462MHz	Pass	AV	2.4835G	53.87	54.00	-0.13	3	Horizontal	61	2.26



RSE TX above 1GHz\_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	PK	2.4646G	117.33	Inf	-Inf	3	Horizontal	61	2.26
2462MHz	Pass	PK	2.485G	69.32	74.00	-4.68	3	Horizontal	61	2.26
2462MHz	Pass	AV	4.92331G	35.55	54.00	-18.45	3	Vertical	277	2.30
2462MHz	Pass	AV	7.38825G	37.85	54.00	-16.15	3	Vertical	220	1.50
2462MHz	Pass	PK	4.92154G	46.66	74.00	-27.34	3	Vertical	277	2.30
2462MHz	Pass	PK	7.38396G	47.64	74.00	-26.36	3	Vertical	220	1.50
2462MHz	Pass	AV	4.92274G	35.27	54.00	-18.73	3	Horizontal	172	1.82
2462MHz	Pass	AV	7.39395G	37.98	54.00	-16.02	3	Horizontal	360	1.50
2462MHz	Pass	PK	4.93552G	45.39	74.00	-28.61	3	Horizontal	172	1.82
2462MHz	Pass	PK	7.39671G	48.36	74.00	-25.64	3	Horizontal	360	1.50
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	50.35	54.00	-3.65	3	Vertical	99	2.80
2412MHz	Pass	AV	2.4104G	97.79	Inf	-Inf	3	Vertical	99	2.80
2412MHz	Pass	PK	2.39G	63.47	74.00	-10.53	3	Vertical	99	2.80
2412MHz	Pass	PK	2.4068G	108.96	Inf	-Inf	3	Vertical	99	2.80
2412MHz	Pass	AV	2.3892G	53.93	54.00	-0.07	3	Horizontal	54	2.35
2412MHz	Pass	AV	2.408G	103.48	Inf	-Inf	3	Horizontal	54	2.35
2412MHz	Pass	PK	2.3898G	67.04	74.00	-6.96	3	Horizontal	54	2.35
2412MHz	Pass	PK	2.4078G	114.65	Inf	-Inf	3	Horizontal	54	2.35
2412MHz	Pass	AV	4.82575G	34.94	54.00	-19.06	3	Vertical	355	1.39
2412MHz	Pass	PK	4.82733G	43.54	74.00	-30.46	3	Vertical	355	1.39
2412MHz	Pass	AV	4.82602G	34.73	54.00	-19.27	3	Horizontal	35	1.78
2412MHz	Pass	PK	4.81981G	45.05	74.00	-28.95	3	Horizontal	35	1.78
2417MHz	Pass	AV	2.3896G	49.64	54.00	-4.36	3	Vertical	87	2.18
2417MHz	Pass	AV	2.4092G	99.33	Inf	-Inf	3	Vertical	87	2.18
2417MHz	Pass	PK	2.3898G	61.88	74.00	-12.12	3	Vertical	87	2.18
2417MHz	Pass	PK	2.4108G	111.04	Inf	-Inf	3	Vertical	87	2.18
2417MHz	Pass	AV	2.3846G	53.49	54.00	-0.51	3	Horizontal	299	2.15
2417MHz	Pass	AV	2.4182G	104.08	Inf	-Inf	3	Horizontal	299	2.15
2417MHz	Pass	PK	2.3884G	66.60	74.00	-7.40	3	Horizontal	299	2.15
2417MHz	Pass	PK	2.412G	115.50	Inf	-Inf	3	Horizontal	299	2.15
2437MHz	Pass	AV	2.389G	48.02	54.00	-5.98	3	Vertical	242	2.39
2437MHz	Pass	AV	2.4354G	101.19	Inf	-Inf	3	Vertical	242	2.39
2437MHz	Pass	AV	2.4842G	49.43	54.00	-4.57	3	Vertical	242	2.39
2437MHz	Pass	PK	2.3854G	60.27	74.00	-13.73	3	Vertical	242	2.39
2437MHz	Pass	PK	2.441G	112.13	Inf	-Inf	3	Vertical	242	2.39
2437MHz	Pass	PK	2.4846G	62.14	74.00	-11.86	3	Vertical	242	2.39
2437MHz	Pass	AV	2.3898G	53.58	54.00	-0.42	3	Horizontal	57	2.12
2437MHz	Pass	AV	2.4326G	106.33	Inf	-Inf	3	Horizontal	57	2.12
2437MHz	Pass	AV	2.4838G	51.43	54.00	-2.57	3	Horizontal	57	2.12
2437MHz	Pass	PK	2.3898G	66.90	74.00	-7.10	3	Horizontal	57	2.12
2437MHz	Pass	PK	2.4326G	116.98	Inf	-Inf	3	Horizontal	57	2.12
2437MHz	Pass	PK	2.4858G	64.18	74.00	-9.82	3	Horizontal	57	2.12
2437MHz	Pass	AV	4.87819G	34.71	54.00	-19.29	3	Vertical	275	1.11
2437MHz	Pass	AV	7.3157G	38.60	54.00	-15.40	3	Vertical	206	1.28
2437MHz	Pass	PK	4.8714G	44.31	74.00	-29.69	3	Vertical	275	1.11
2437MHz	Pass	PK	7.31047G	46.22	74.00	-27.78	3	Vertical	206	1.28
2437MHz	Pass	AV	4.87459G	34.80	54.00	-19.20	3	Horizontal	178	2.53
2437MHz	Pass	AV	7.31505G	38.94	54.00	-15.06	3	Horizontal	149	2.25
2437MHz	Pass	PK	4.87349G	44.13	74.00	-29.87	3	Horizontal	178	2.53
2437MHz	Pass	PK	7.30681G	47.78	74.00	-26.22	3	Horizontal	149	2.25
2457MHz	Pass	AV	2.4552G	99.96	Inf	-Inf	3	Vertical	243	2.70
2457MHz	Pass	AV	2.4835G	49.70	54.00	-4.30	3	Vertical	243	2.70
2457MHz	Pass	PK	2.4508G	110.53	Inf	-Inf	3	Vertical	243	2.70
2457MHz	Pass	PK	2.4866G	61.86	74.00	-12.14	3	Vertical	243	2.70
2457MHz	Pass	AV	2.4584G	105.92	Inf	-Inf	3	Horizontal	58	2.26
2457MHz	Pass	AV	2.4835G	53.80	54.00	-0.20	3	Horizontal	58	2.26
2457MHz	Pass	PK	2.4536G	117.36	Inf	-Inf	3	Horizontal	58	2.26
2457MHz	Pass	PK	2.4835G	65.89	74.00	-8.11	3	Horizontal	58	2.26
2462MHz	Pass	AV	2.4606G	99.82	Inf	-Inf	3	Vertical	240	2.06
2462MHz	Pass	AV	2.4838G	50.59	54.00	-3.41	3	Vertical	240	2.06
2462MHz	Pass	PK	2.4577G	108.94	Inf	-Inf	3	Vertical	240	2.06



RSE TX above 1GHz\_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	PK	2.4839G	60.45	74.00	-13.55	3	Vertical	240	2.06
2462MHz	Pass	AV	2.4585G	104.97	Inf	-Inf	3	Horizontal	57	2.26
2462MHz	Pass	AV	2.4835G	53.89	54.00	-0.11	3	Horizontal	57	2.26
2462MHz	Pass	PK	2.4642G	114.19	Inf	-Inf	3	Horizontal	57	2.26
2462MHz	Pass	PK	2.4835G	64.03	74.00	-9.97	3	Horizontal	57	2.26
2462MHz	Pass	AV	4.92098G	34.84	54.00	-19.16	3	Vertical	273	1.72
2462MHz	Pass	AV	7.38909G	38.71	54.00	-15.29	3	Vertical	244	1.58
2462MHz	Pass	PK	4.91903G	44.10	74.00	-29.90	3	Vertical	273	1.72
2462MHz	Pass	PK	7.38624G	47.35	74.00	-26.65	3	Vertical	244	1.58
2462MHz	Pass	AV	4.92516G	34.70	54.00	-19.30	3	Vertical	1.76	1.14
2462MHz	Pass	AV	7.39098G	38.46	54.00	-15.54	3	Vertical	16	2.99
2462MHz	Pass	PK	4.92502G	43.81	74.00	-30.19	3	Vertical	1.76	1.14
2462MHz	Pass	PK	7.38217G	46.90	74.00	-27.10	3	Vertical	16	2.99
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3872G	48.80	54.00	-5.20	3	Vertical	250	2.19
2422MHz	Pass	AV	2.4192G	94.07	Inf	-Inf	3	Vertical	250	2.19
2422MHz	Pass	AV	2.496G	47.92	54.00	-6.08	3	Vertical	250	2.19
2422MHz	Pass	PK	2.3896G	60.52	74.00	-13.48	3	Vertical	250	2.19
2422MHz	Pass	PK	2.4188G	106.23	Inf	-Inf	3	Vertical	250	2.19
2422MHz	Pass	PK	2.496G	59.99	74.00	-14.01	3	Vertical	250	2.19
2422MHz	Pass	AV	2.3896G	53.70	54.00	-0.30	3	Horizontal	60	2.38
2422MHz	Pass	AV	2.4168G	100.50	Inf	-Inf	3	Horizontal	60	2.38
2422MHz	Pass	AV	2.4924G	48.51	54.00	-5.49	3	Horizontal	60	2.38
2422MHz	Pass	PK	2.3876G	66.00	74.00	-8.00	3	Horizontal	60	2.38
2422MHz	Pass	PK	2.4096G	111.54	Inf	-Inf	3	Horizontal	60	2.38
2422MHz	Pass	PK	2.4896G	60.61	74.00	-13.39	3	Horizontal	60	2.38
2422MHz	Pass	AV	4.84256G	35.77	54.00	-18.23	3	Vertical	285	1.84
2422MHz	Pass	PK	4.84432G	45.02	74.00	-28.98	3	Vertical	285	1.84
2422MHz	Pass	AV	4.84306G	35.18	54.00	-18.82	3	Horizontal	352	2.69
2422MHz	Pass	PK	4.84393G	44.84	74.00	-29.16	3	Horizontal	352	2.69
2427MHz	Pass	AV	2.3898G	48.90	54.00	-5.10	3	Vertical	96	3.00
2427MHz	Pass	AV	2.423G	94.95	Inf	-Inf	3	Vertical	96	3.00
2427MHz	Pass	AV	2.4835G	49.69	54.00	-4.31	3	Vertical	96	3.00
2427MHz	Pass	PK	2.3894G	61.09	74.00	-12.91	3	Vertical	96	3.00
2427MHz	Pass	PK	2.423G	105.59	Inf	-Inf	3	Vertical	96	3.00
2427MHz	Pass	PK	2.4835G	60.94	74.00	-13.06	3	Vertical	96	3.00
2427MHz	Pass	AV	2.3886G	53.22	54.00	-0.78	3	Horizontal	58	2.09
2427MHz	Pass	AV	2.423G	100.50	Inf	-Inf	3	Horizontal	58	2.09
2427MHz	Pass	AV	2.4835G	53.77	54.00	-0.23	3	Horizontal	58	2.09
2427MHz	Pass	PK	2.383G	66.42	74.00	-7.58	3	Horizontal	58	2.09
2427MHz	Pass	PK	2.431G	111.88	Inf	-Inf	3	Horizontal	58	2.09
2427MHz	Pass	PK	2.4835G	64.79	74.00	-9.21	3	Horizontal	58	2.09
2437MHz	Pass	AV	2.3898G	48.37	54.00	-5.63	3	Vertical	245	2.13
2437MHz	Pass	AV	2.443G	95.32	Inf	-Inf	3	Vertical	245	2.13
2437MHz	Pass	AV	2.4835G	50.19	54.00	-3.81	3	Vertical	245	2.13
2437MHz	Pass	PK	2.3898G	63.11	74.00	-10.89	3	Vertical	245	2.13
2437MHz	Pass	PK	2.4458G	106.65	Inf	-Inf	3	Vertical	245	2.13
2437MHz	Pass	PK	2.4838G	64.84	74.00	-9.16	3	Vertical	245	2.13
2437MHz	Pass	AV	2.3898G	53.61	54.00	-0.39	3	Horizontal	55	2.09
2437MHz	Pass	AV	2.4282G	101.24	Inf	-Inf	3	Horizontal	55	2.09
2437MHz	Pass	AV	2.4835G	52.10	54.00	-1.90	3	Horizontal	55	2.09
2437MHz	Pass	PK	2.3894G	69.52	74.00	-4.48	3	Horizontal	55	2.09
2437MHz	Pass	PK	2.423G	112.08	Inf	-Inf	3	Horizontal	55	2.09
2437MHz	Pass	PK	2.4846G	68.35	74.00	-5.65	3	Horizontal	55	2.09
2437MHz	Pass	AV	4.8809G	34.96	54.00	-19.04	3	Vertical	274	1.50
2437MHz	Pass	AV	7.30854G	39.41	54.00	-14.59	3	Vertical	199	1.50
2437MHz	Pass	PK	4.86968G	44.22	74.00	-29.78	3	Vertical	274	1.50
2437MHz	Pass	PK	7.30896G	48.24	74.00	-25.76	3	Vertical	199	1.50
2437MHz	Pass	AV	4.89512G	34.92	54.00	-19.08	3	Horizontal	76	1.65
2437MHz	Pass	AV	7.29216G	39.74	54.00	-14.26	3	Horizontal	331	1.54
2437MHz	Pass	PK	4.84838G	44.53	74.00	-29.47	3	Horizontal	76	1.65
2437MHz	Pass	PK	7.32516G	49.42	74.00	-24.58	3	Horizontal	331	1.54



RSE TX above 1GHz\_Non-Beamforming

Appendix F.2

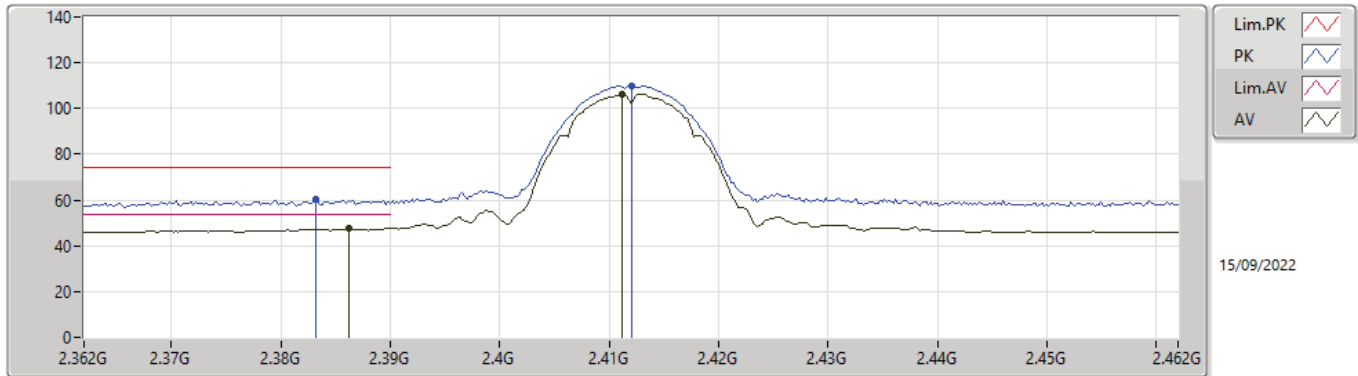
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2452MHz	Pass	AV	2.376G	47.04	54.00	-6.96	3	Vertical	246	1.89
2452MHz	Pass	AV	2.4576G	95.41	Inf	-Inf	3	Vertical	246	1.89
2452MHz	Pass	AV	2.4852G	49.61	54.00	-4.39	3	Vertical	246	1.89
2452MHz	Pass	PK	2.378G	58.93	74.00	-15.07	3	Vertical	246	1.89
2452MHz	Pass	PK	2.4632G	105.66	Inf	-Inf	3	Vertical	246	1.89
2452MHz	Pass	PK	2.4932G	61.50	74.00	-12.50	3	Vertical	246	1.89
2452MHz	Pass	AV	2.366G	49.22	54.00	-4.78	3	Horizontal	60	2.24
2452MHz	Pass	AV	2.4584G	101.41	Inf	-Inf	3	Horizontal	60	2.24
2452MHz	Pass	AV	2.484G	53.76	54.00	-0.24	3	Horizontal	60	2.24
2452MHz	Pass	PK	2.3668G	62.07	74.00	-11.93	3	Horizontal	60	2.24
2452MHz	Pass	PK	2.4532G	112.50	Inf	-Inf	3	Horizontal	60	2.24
2452MHz	Pass	PK	2.4856G	66.07	74.00	-7.93	3	Horizontal	60	2.24
2452MHz	Pass	AV	4.90592G	35.63	54.00	-18.37	3	Vertical	182	1.00
2452MHz	Pass	AV	7.36746G	39.24	54.00	-14.76	3	Vertical	278	1.50
2452MHz	Pass	PK	4.9145G	44.95	74.00	-29.05	3	Vertical	182	1.00
2452MHz	Pass	PK	7.36224G	47.69	74.00	-26.31	3	Vertical	278	1.50
2452MHz	Pass	AV	4.90982G	35.58	54.00	-18.42	3	Horizontal	168	1.50
2452MHz	Pass	AV	7.3326G	39.19	54.00	-14.81	3	Horizontal	55	1.50
2452MHz	Pass	PK	4.9034G	46.02	74.00	-27.98	3	Horizontal	168	1.50
2452MHz	Pass	PK	7.33464G	47.84	74.00	-26.16	3	Horizontal	55	1.50
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	51.49	54.00	-2.51	3	Vertical	81	2.73
2422MHz	Pass	AV	2.416G	97.11	Inf	-Inf	3	Vertical	81	2.73
2422MHz	Pass	AV	2.4896G	47.56	54.00	-6.44	3	Vertical	81	2.73
2422MHz	Pass	PK	2.3884G	64.07	74.00	-9.93	3	Vertical	81	2.73
2422MHz	Pass	PK	2.418G	108.79	Inf	-Inf	3	Vertical	81	2.73
2422MHz	Pass	PK	2.4964G	59.36	74.00	-14.64	3	Vertical	81	2.73
2422MHz	Pass	AV	2.39G	53.65	54.00	-0.35	3	Horizontal	305	2.29
2422MHz	Pass	AV	2.416G	100.02	Inf	-Inf	3	Horizontal	305	2.29
2422MHz	Pass	AV	2.4948G	48.75	54.00	-5.25	3	Horizontal	305	2.29
2422MHz	Pass	PK	2.3852G	66.91	74.00	-7.09	3	Horizontal	305	2.29
2422MHz	Pass	PK	2.4104G	111.10	Inf	-Inf	3	Horizontal	305	2.29
2422MHz	Pass	PK	2.4888G	61.04	74.00	-12.96	3	Horizontal	305	2.29
2422MHz	Pass	AV	4.84238G	34.75	54.00	-19.25	3	Vertical	165	1.05
2422MHz	Pass	AV	7.26808G	38.87	54.00	-15.13	3	Vertical	121	2.68
2422MHz	Pass	PK	4.83908G	43.93	74.00	-30.07	3	Vertical	165	1.05
2422MHz	Pass	PK	7.2647G	47.83	74.00	-26.17	3	Vertical	121	2.68
2422MHz	Pass	AV	4.84077G	34.80	54.00	-19.20	3	Horizontal	20	2.04
2422MHz	Pass	AV	7.26139G	38.79	54.00	-15.21	3	Horizontal	274	2.38
2422MHz	Pass	PK	4.8407G	43.79	74.00	-30.21	3	Horizontal	20	2.04
2422MHz	Pass	PK	7.2667G	46.96	74.00	-27.04	3	Horizontal	274	2.38
2437MHz	Pass	AV	2.3898G	50.88	54.00	-3.12	3	Vertical	100	3.00
2437MHz	Pass	AV	2.423G	96.58	Inf	-Inf	3	Vertical	100	3.00
2437MHz	Pass	AV	2.4846G	49.53	54.00	-4.47	3	Vertical	100	3.00
2437MHz	Pass	PK	2.3898G	67.57	74.00	-6.43	3	Vertical	100	3.00
2437MHz	Pass	PK	2.4282G	107.71	Inf	-Inf	3	Vertical	100	3.00
2437MHz	Pass	PK	2.4846G	64.84	74.00	-9.16	3	Vertical	100	3.00
2437MHz	Pass	AV	2.3894G	53.66	54.00	-0.34	3	Horizontal	55	2.38
2437MHz	Pass	AV	2.4206G	99.46	Inf	-Inf	3	Horizontal	55	2.38
2437MHz	Pass	AV	2.4838G	53.63	54.00	-0.37	3	Horizontal	55	2.38
2437MHz	Pass	PK	2.3894G	68.75	74.00	-5.25	3	Horizontal	55	2.38
2437MHz	Pass	PK	2.4238G	110.63	Inf	-Inf	3	Horizontal	55	2.38
2437MHz	Pass	PK	2.4835G	69.40	74.00	-4.60	3	Horizontal	55	2.38
2437MHz	Pass	AV	4.8779G	35.07	54.00	-18.93	3	Vertical	191	2.35
2437MHz	Pass	AV	7.3117G	38.86	54.00	-15.14	3	Vertical	18	1.49
2437MHz	Pass	PK	4.87158G	44.31	74.00	-29.69	3	Vertical	191	2.35
2437MHz	Pass	PK	7.30901G	47.47	74.00	-26.53	3	Vertical	18	1.49
2437MHz	Pass	AV	4.87221G	35.15	54.00	-18.85	3	Horizontal	81	1.22
2437MHz	Pass	AV	7.31304G	39.05	54.00	-14.95	3	Horizontal	47	2.82
2437MHz	Pass	PK	4.87434G	44.10	74.00	-29.90	3	Horizontal	81	1.22
2437MHz	Pass	PK	7.30783G	46.65	74.00	-27.35	3	Horizontal	47	2.82
2452MHz	Pass	AV	2.3848G	48.19	54.00	-5.81	3	Vertical	97	2.67



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2452MHz	Pass	AV	2.4412G	96.44	Inf	-Inf	3	Vertical	97	2.67
2452MHz	Pass	AV	2.4835G	50.37	54.00	-3.63	3	Vertical	97	2.67
2452MHz	Pass	PK	2.3756G	59.62	74.00	-14.38	3	Vertical	97	2.67
2452MHz	Pass	PK	2.448G	108.06	Inf	-Inf	3	Vertical	97	2.67
2452MHz	Pass	PK	2.484G	61.93	74.00	-12.07	3	Vertical	97	2.67
2452MHz	Pass	AV	2.3892G	49.59	54.00	-4.41	3	Horizontal	55	2.24
2452MHz	Pass	AV	2.4556G	100.06	Inf	-Inf	3	Horizontal	55	2.24
2452MHz	Pass	AV	2.486G	53.94	54.00	-0.06	3	Horizontal	55	2.24
2452MHz	Pass	PK	2.3864G	61.69	74.00	-12.31	3	Horizontal	55	2.24
2452MHz	Pass	PK	2.4552G	111.94	Inf	-Inf	3	Horizontal	55	2.24
2452MHz	Pass	PK	2.4844G	65.64	74.00	-8.36	3	Horizontal	55	2.24
2452MHz	Pass	AV	4.90739G	35.13	54.00	-18.87	3	Vertical	206	2.65
2452MHz	Pass	AV	7.35156G	38.51	54.00	-15.49	3	Vertical	296	1.32
2452MHz	Pass	PK	4.89919G	44.54	74.00	-29.46	3	Vertical	206	2.65
2452MHz	Pass	PK	7.36019G	48.00	74.00	-26.00	3	Vertical	296	1.32
2452MHz	Pass	AV	4.90743G	35.07	54.00	-18.93	3	Horizontal	123	2.95
2452MHz	Pass	AV	7.35645G	38.59	54.00	-15.41	3	Horizontal	188	1.10
2452MHz	Pass	PK	4.90309G	43.80	74.00	-30.20	3	Horizontal	123	2.95
2452MHz	Pass	PK	7.36055G	47.41	74.00	-26.59	3	Horizontal	188	1.10

### 802.11b\_Nss1,(1Mbps)\_2TX

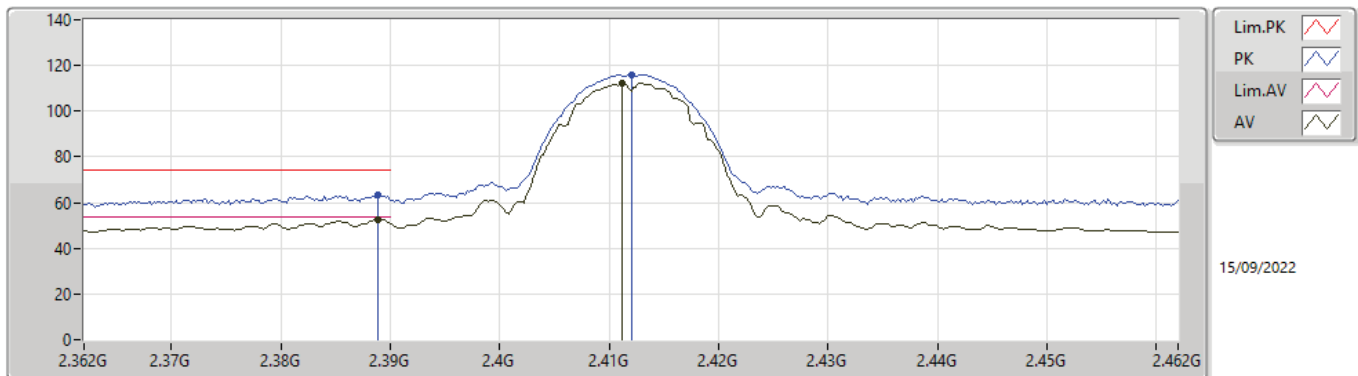
#### 2412MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3862G	47.65	54.00	-6.35	31.58	3	Vertical	74	2.72	16.07	27.42	4.16	-
AV	2.4112G	106.38	Inf	-Inf	31.70	3	Vertical	74	2.72	74.68	27.52	4.18	-
PK	2.3832G	60.61	74.00	-13.39	31.55	3	Vertical	74	2.72	29.06	27.40	4.15	-
PK	2.412G	109.72	Inf	-Inf	31.70	3	Vertical	74	2.72	78.02	27.52	4.18	-

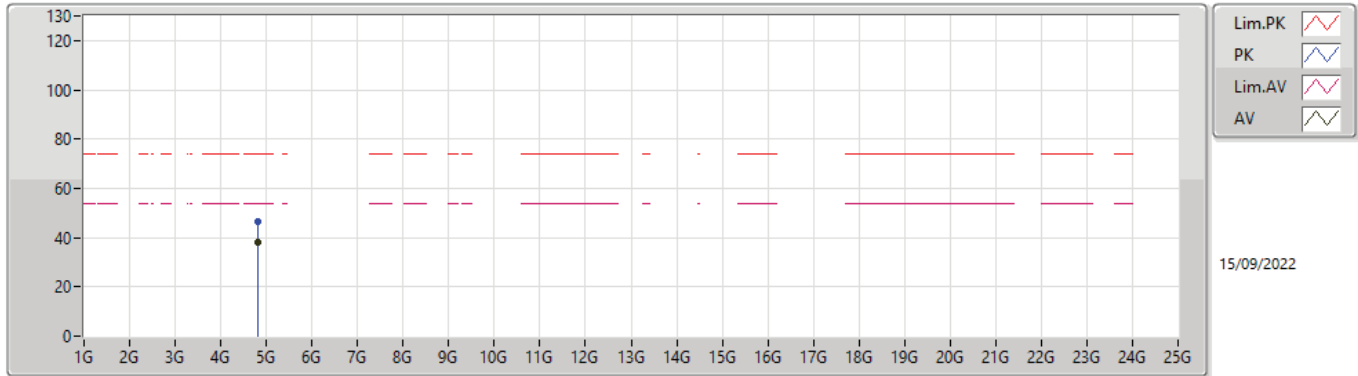
### 802.11b\_Nss1,(1Mbps)\_2TX

#### 2412MHz\_TX



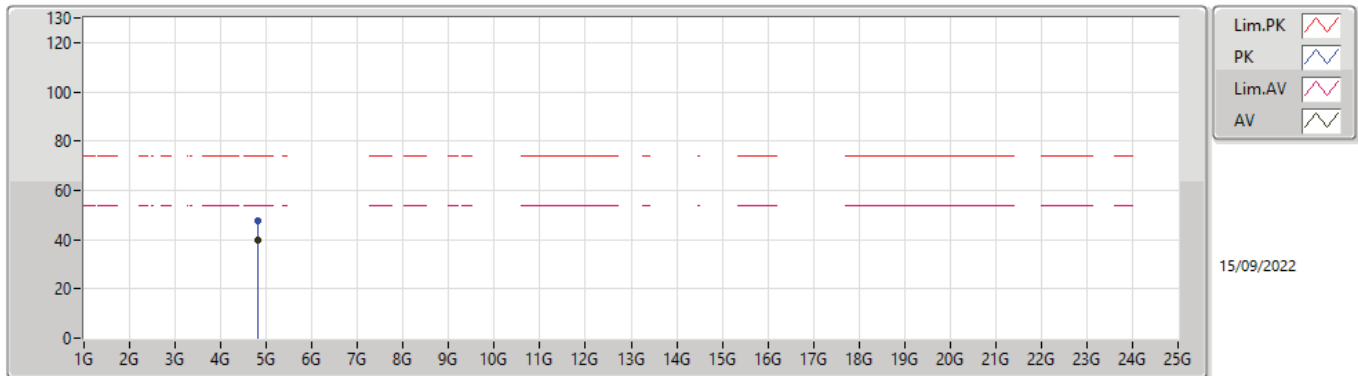
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3888G	52.69	54.00	-1.31	31.59	3	Horizontal	297	2.26	21.10	27.43	4.16	-
AV	2.4112G	112.34	Inf	-Inf	31.70	3	Horizontal	297	2.26	80.64	27.52	4.18	-
PK	2.3888G	63.12	74.00	-10.88	31.59	3	Horizontal	297	2.26	31.53	27.43	4.16	-
PK	2.412G	116.06	Inf	-Inf	31.70	3	Horizontal	297	2.26	84.36	27.52	4.18	-

**802.11b\_Nss1,(1Mbps)\_2TX**  
**2412MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82401G	38.12	54.00	-15.88	3.47	3	Vertical	281	2.25	34.65	32.44	5.68	34.65
PK	4.82399G	46.35	74.00	-27.65	3.47	3	Vertical	281	2.25	42.88	32.44	5.68	34.65

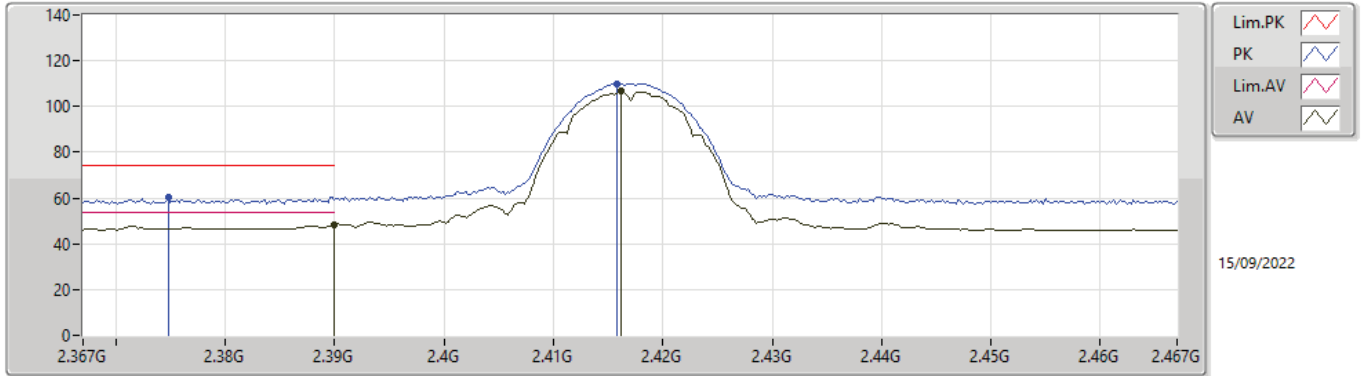
**802.11b\_Nss1,(1Mbps)\_2TX**  
**2412MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82399G	39.69	54.00	-14.31	3.47	3	Horizontal	324	2.08	36.22	32.44	5.68	34.65
PK	4.82402G	47.78	74.00	-26.22	3.47	3	Horizontal	324	2.08	44.31	32.44	5.68	34.65

802.11b\_Nss1,(1Mbps)\_2TX

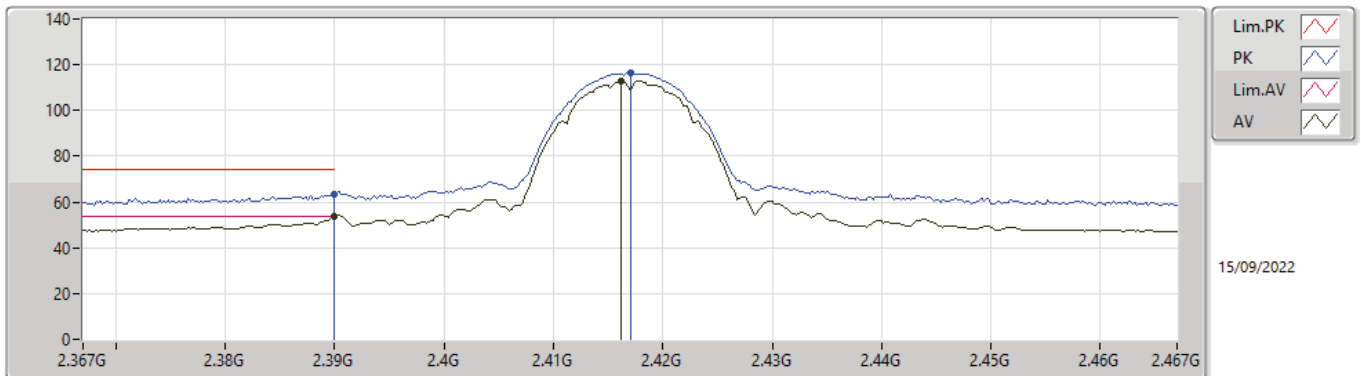
2417MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	48.52	54.00	-5.48	31.60	3	Vertical	82	2.82	16.92	27.44	4.16	-
AV	2.4162G	106.56	Inf	-Inf	31.71	3	Vertical	82	2.82	74.85	27.53	4.18	-
PK	2.3748G	60.48	74.00	-13.52	31.50	3	Vertical	82	2.82	28.98	27.35	4.15	-
PK	2.4158G	109.91	Inf	-Inf	31.71	3	Vertical	82	2.82	78.20	27.53	4.18	-

802.11b\_Nss1,(1Mbps)\_2TX

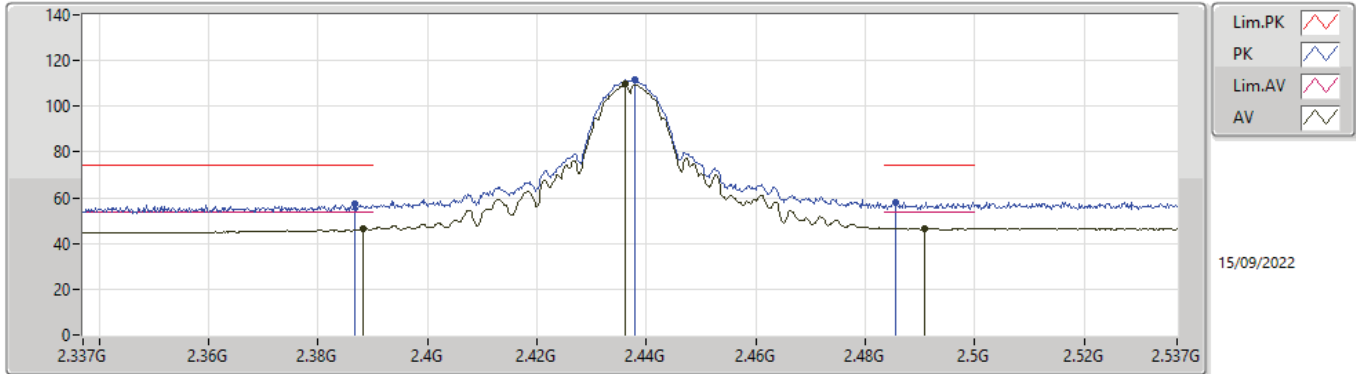
2417MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.84	54.00	-0.16	31.60	3	Horizontal	304	2.14	22.24	27.44	4.16	-
AV	2.4162G	112.93	Inf	-Inf	31.71	3	Horizontal	304	2.14	81.22	27.53	4.18	-
PK	2.39G	63.56	74.00	-10.44	31.60	3	Horizontal	304	2.14	31.96	27.44	4.16	-
PK	2.417G	116.51	Inf	-Inf	31.71	3	Horizontal	304	2.14	84.80	27.53	4.18	-

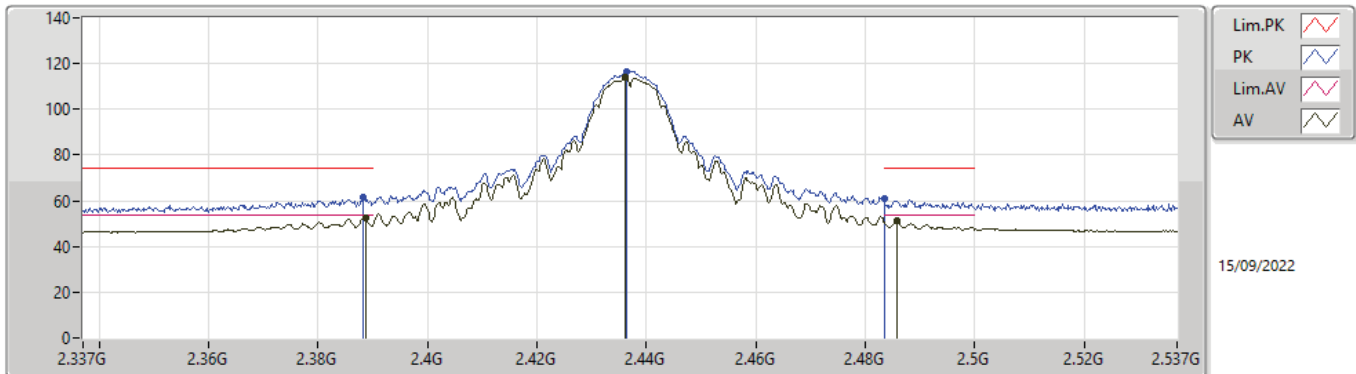


**802.11b\_Nss1,(1Mbps)\_2TX**  
**2437MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3882G	46.64	54.00	-7.36	31.59	3	Vertical	246	2.36	15.05	27.43	4.16	-
AV	2.4362G	109.53	Inf	-Inf	31.76	3	Vertical	246	2.36	77.77	27.57	4.19	-
AV	2.4908G	46.75	54.00	-7.25	32.06	3	Vertical	246	2.36	14.69	27.84	4.22	-
PK	2.3868G	57.14	74.00	-16.86	31.58	3	Vertical	246	2.36	25.56	27.42	4.16	-
PK	2.4378G	111.54	Inf	-Inf	31.77	3	Vertical	246	2.36	79.77	27.58	4.19	-
PK	2.4856G	58.19	74.00	-15.81	32.03	3	Vertical	246	2.36	26.16	27.81	4.22	-

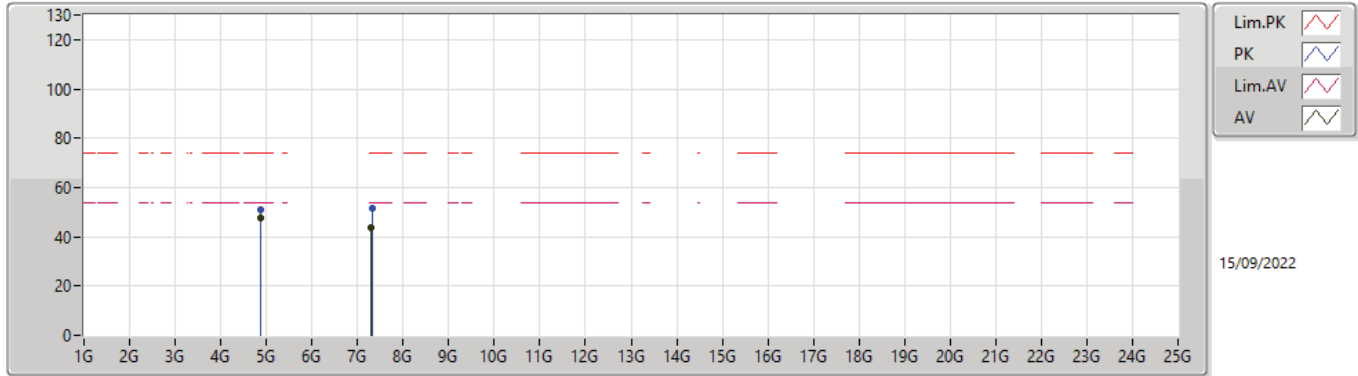
**802.11b\_Nss1,(1Mbps)\_2TX**  
**2437MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3886G	52.37	54.00	-1.63	31.59	3	Horizontal	58	2.00	20.78	27.43	4.16	-
AV	2.4362G	113.99	Inf	-Inf	31.76	3	Horizontal	58	2.00	82.23	27.57	4.19	-
AV	2.4858G	51.27	54.00	-2.73	32.03	3	Horizontal	58	2.00	19.24	27.81	4.22	-
PK	2.3882G	61.36	74.00	-12.64	31.59	3	Horizontal	58	2.00	29.77	27.43	4.16	-
PK	2.4364G	116.59	Inf	-Inf	31.76	3	Horizontal	58	2.00	84.83	27.57	4.19	-
PK	2.4835G	60.78	74.00	-13.22	32.02	3	Horizontal	58	2.00	28.76	27.80	4.22	-

### 802.11b\_Nss1,(1Mbps)\_2TX

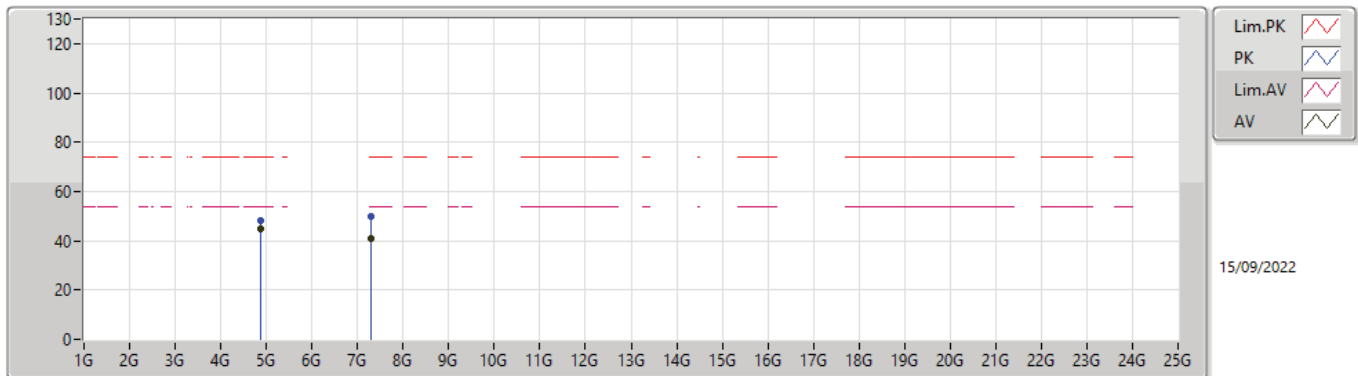
#### 2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	47.77	54.00	-6.23	3.76	3	Vertical	274	1.97	44.01	32.70	5.71	34.65
AV	7.31016G	43.78	54.00	-10.22	8.78	3	Vertical	267	1.96	35.00	36.74	6.82	34.78
PK	4.8741G	51.10	74.00	-22.90	3.76	3	Vertical	274	1.97	47.34	32.70	5.71	34.65
PK	7.31181G	51.35	74.00	-22.65	8.77	3	Vertical	267	1.96	42.58	36.73	6.82	34.78

### 802.11b\_Nss1,(1Mbps)\_2TX

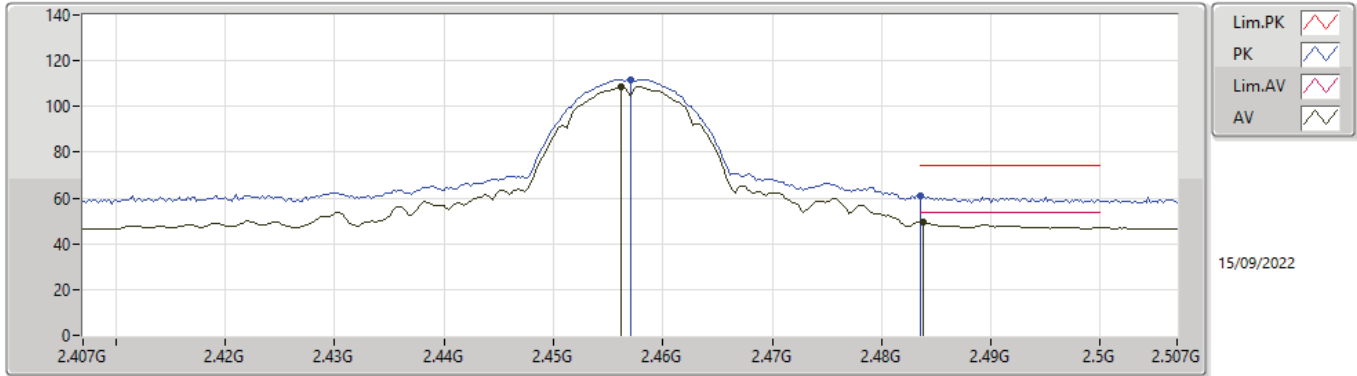
#### 2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	44.80	54.00	-9.20	3.76	3	Horizontal	169	1.64	41.04	32.70	5.71	34.65
AV	7.3101G	41.06	54.00	-12.94	8.78	3	Horizontal	336	1.92	32.28	36.74	6.82	34.78
PK	4.87394G	48.24	74.00	-25.76	3.76	3	Horizontal	169	1.64	44.48	32.70	5.71	34.65
PK	7.3098G	49.63	74.00	-24.37	8.78	3	Horizontal	336	1.92	40.85	36.74	6.82	34.78

802.11b\_Nss1,(1Mbps)\_2TX

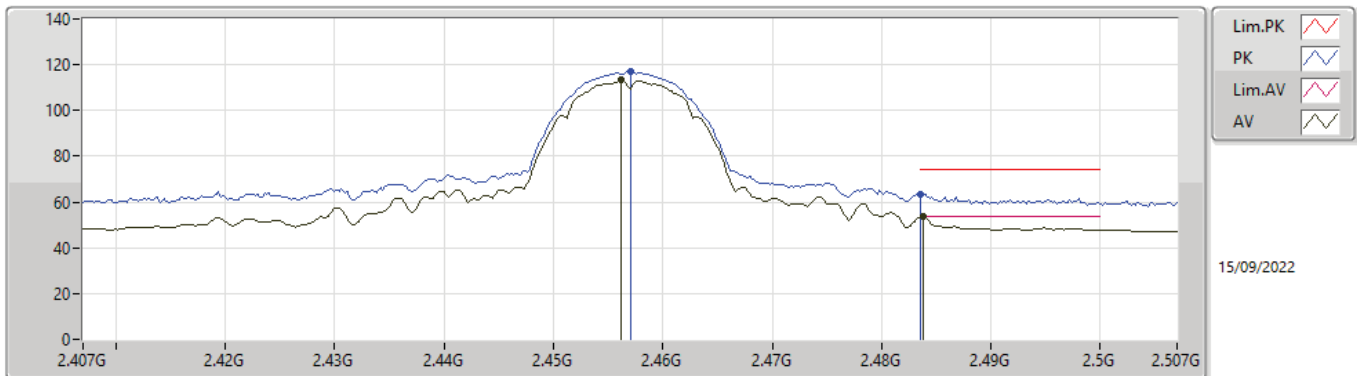
2457MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	108.56	Inf	-Inf	31.84	3	Vertical	344	2.84	76.72	27.64	4.20	-
AV	2.4838G	49.63	54.00	-4.37	32.02	3	Vertical	344	2.84	17.61	27.80	4.22	-
PK	2.457G	111.87	Inf	-Inf	31.84	3	Vertical	344	2.84	80.03	27.64	4.20	-
PK	2.4835G	61.03	74.00	-12.97	32.02	3	Vertical	344	2.84	29.01	27.80	4.22	-

802.11b\_Nss1,(1Mbps)\_2TX

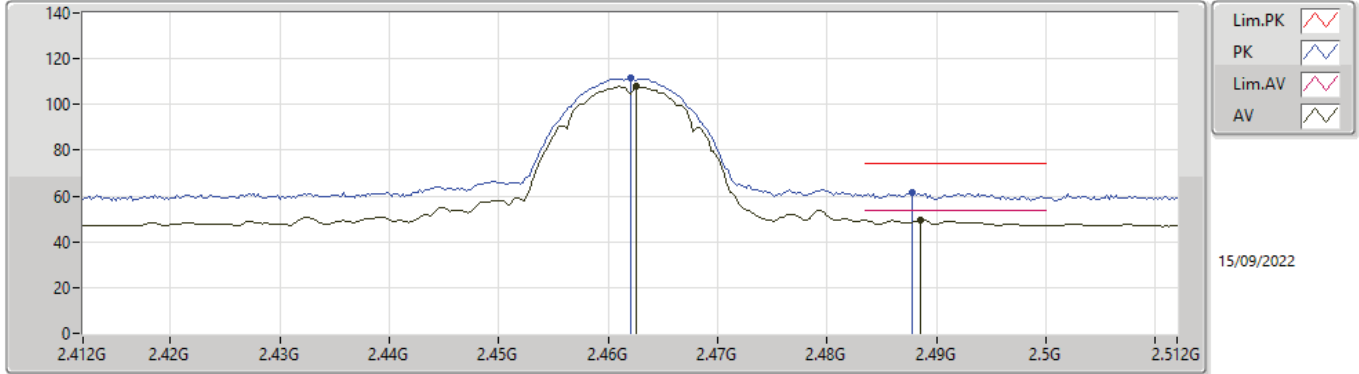
2457MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	113.19	Inf	-Inf	31.84	3	Horizontal	305	2.28	81.35	27.64	4.20	-
AV	2.4838G	53.47	54.00	-0.53	32.02	3	Horizontal	305	2.28	21.45	27.80	4.22	-
PK	2.457G	117.30	Inf	-Inf	31.84	3	Horizontal	305	2.28	85.46	27.64	4.20	-
PK	2.4836G	63.12	74.00	-10.88	32.02	3	Horizontal	305	2.28	31.10	27.80	4.22	-

802.11b\_Nss1,(1Mbps)\_2TX

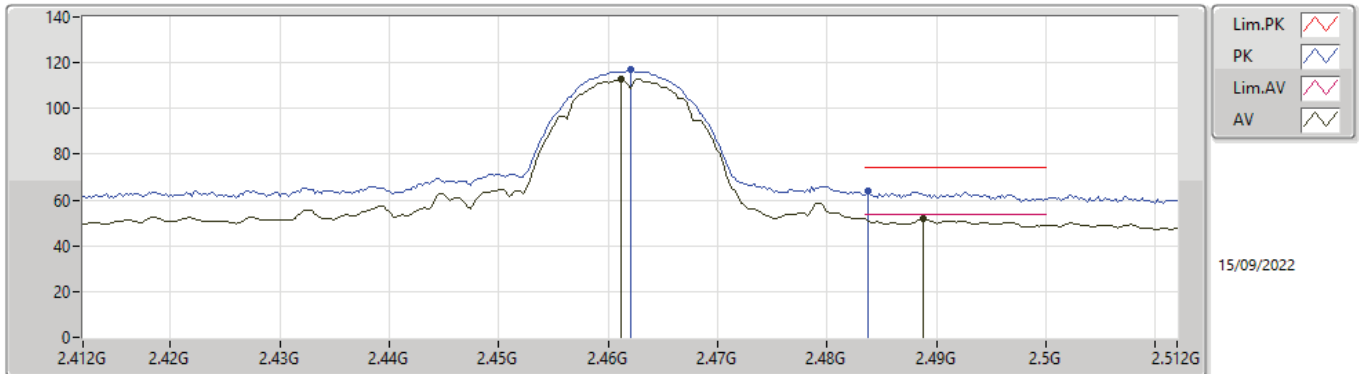
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4626G	107.90	Inf	-Inf	31.89	3	Vertical	344	2.84	76.01	27.68	4.21	-
AV	2.4886G	49.55	54.00	-4.45	32.05	3	Vertical	344	2.84	17.50	27.83	4.22	-
PK	2.462G	111.42	Inf	-Inf	31.88	3	Vertical	344	2.84	79.54	27.67	4.21	-
PK	2.4878G	61.47	74.00	-12.53	32.05	3	Vertical	344	2.84	29.42	27.83	4.22	-

802.11b\_Nss1,(1Mbps)\_2TX

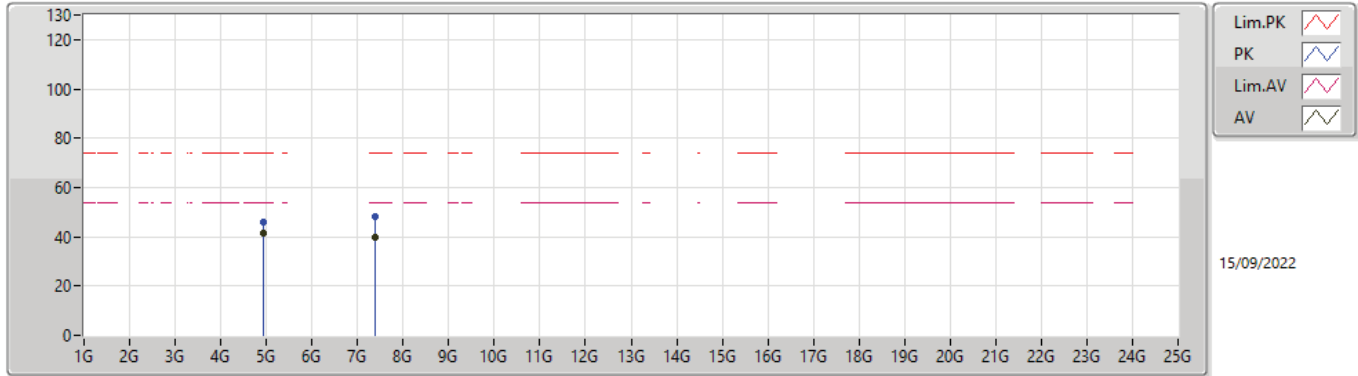
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	113.07	Inf	-Inf	31.88	3	Horizontal	308	2.28	81.19	27.67	4.21	-
AV	2.4888G	51.77	54.00	-2.23	32.05	3	Horizontal	308	2.28	19.72	27.83	4.22	-
PK	2.462G	117.06	Inf	-Inf	31.88	3	Horizontal	308	2.28	85.18	27.67	4.21	-
PK	2.4838G	63.85	74.00	-10.15	32.02	3	Horizontal	308	2.28	31.83	27.80	4.22	-

### 802.11b\_Nss1,(1Mbps)\_2TX

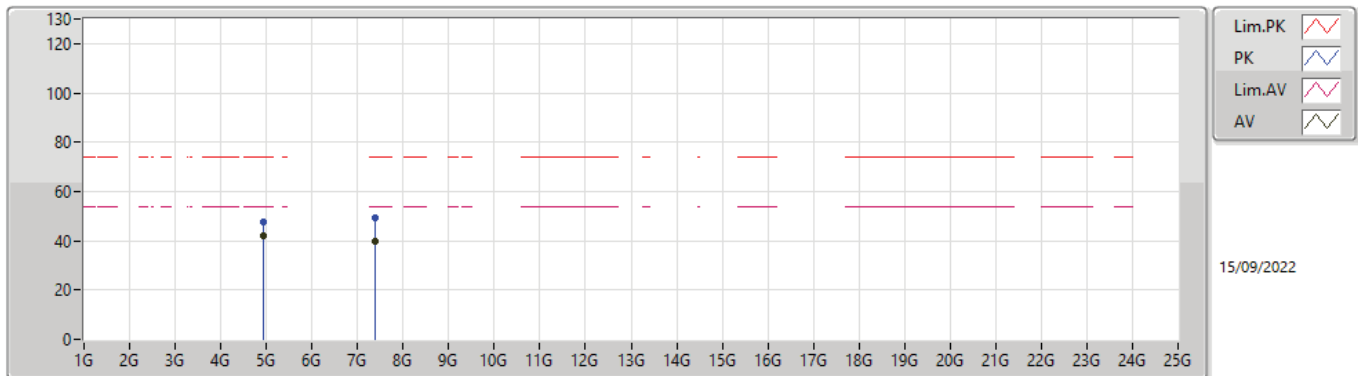
#### 2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92397G	41.41	54.00	-12.59	3.99	3	Vertical	183	1.10	37.42	32.90	5.74	34.65
AV	7.38495G	39.90	54.00	-14.10	8.44	3	Vertical	329	1.58	31.46	36.36	6.87	34.79
PK	4.92379G	45.95	74.00	-28.05	3.99	3	Vertical	183	1.10	41.96	32.90	5.74	34.65
PK	7.39722G	48.14	74.00	-25.86	8.40	3	Vertical	329	1.58	39.74	36.31	6.88	34.79

### 802.11b\_Nss1,(1Mbps)\_2TX

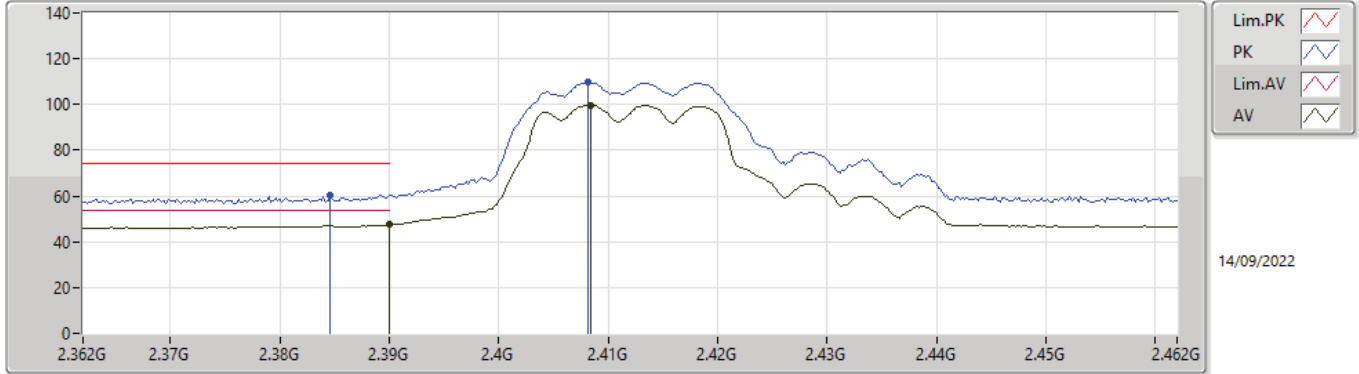
#### 2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92397G	42.13	54.00	-11.87	3.99	3	Horizontal	170	1.94	38.14	32.90	5.74	34.65
AV	7.38498G	39.68	54.00	-14.32	8.44	3	Horizontal	333	1.42	31.24	36.36	6.87	34.79
PK	4.92409G	47.86	74.00	-26.14	3.99	3	Horizontal	170	1.94	43.87	32.90	5.74	34.65
PK	7.38798G	49.19	74.00	-24.81	8.43	3	Horizontal	333	1.42	40.76	36.35	6.87	34.79

802.11g\_Nss1,(6Mbps)\_2TX

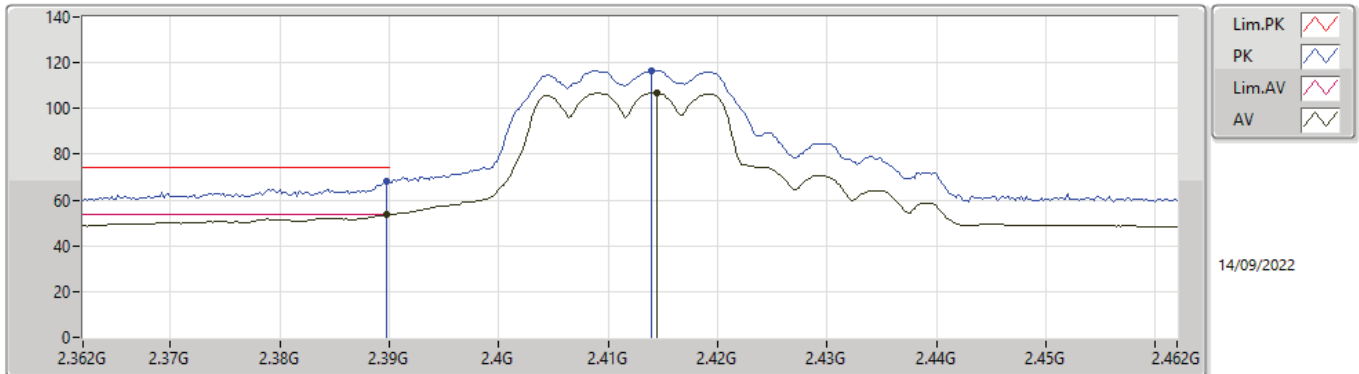
2412MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	47.63	54.00	-6.37	31.60	3	Vertical	259	2.16	16.03	27.44	4.16	-
AV	2.4084G	99.60	Inf	-Inf	31.70	3	Vertical	259	2.16	67.90	27.52	4.18	-
PK	2.3846G	60.36	74.00	-13.64	31.57	3	Vertical	259	2.16	28.79	27.41	4.16	-
PK	2.4082G	109.70	Inf	-Inf	31.69	3	Vertical	259	2.16	78.01	27.52	4.17	-

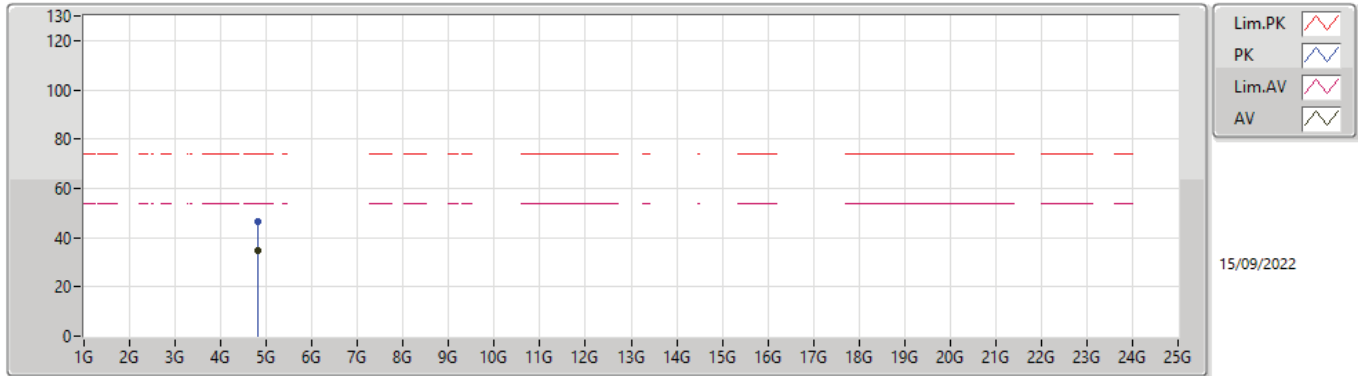
802.11g\_Nss1,(6Mbps)\_2TX

2412MHz\_TX



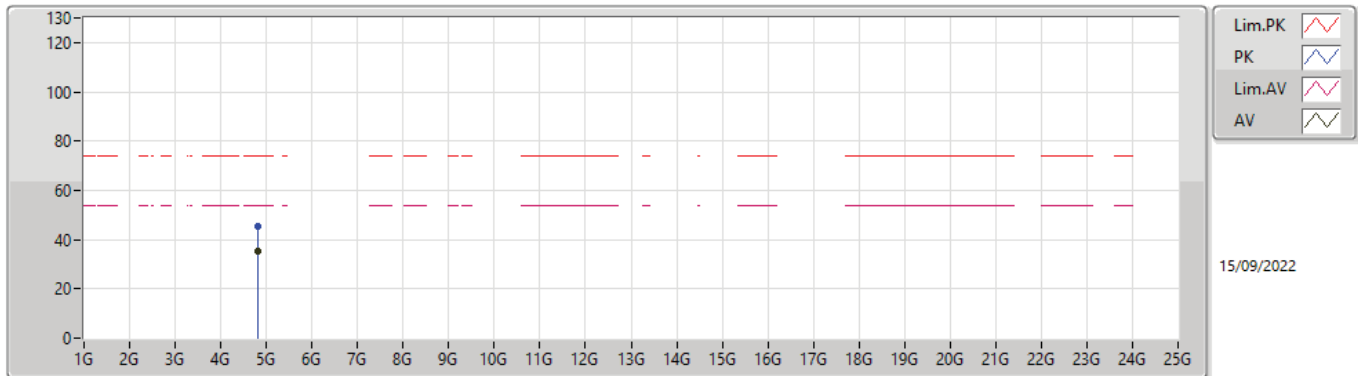
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.64	54.00	-0.36	31.60	3	Horizontal	56	2.22	22.04	27.44	4.16	-
AV	2.4144G	107.02	Inf	-Inf	31.71	3	Horizontal	56	2.22	75.31	27.53	4.18	-
PK	2.3898G	68.22	74.00	-5.78	31.60	3	Horizontal	56	2.22	36.62	27.44	4.16	-
PK	2.414G	116.64	Inf	-Inf	31.71	3	Horizontal	56	2.22	84.93	27.53	4.18	-

**802.11g\_Nss1,(6Mbps)\_2TX**  
**2412MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82333G	35.02	54.00	-18.98	3.47	3	Vertical	279	2.38	31.55	32.44	5.68	34.65
PK	4.82387G	46.51	74.00	-27.49	3.47	3	Vertical	279	2.38	43.04	32.44	5.68	34.65

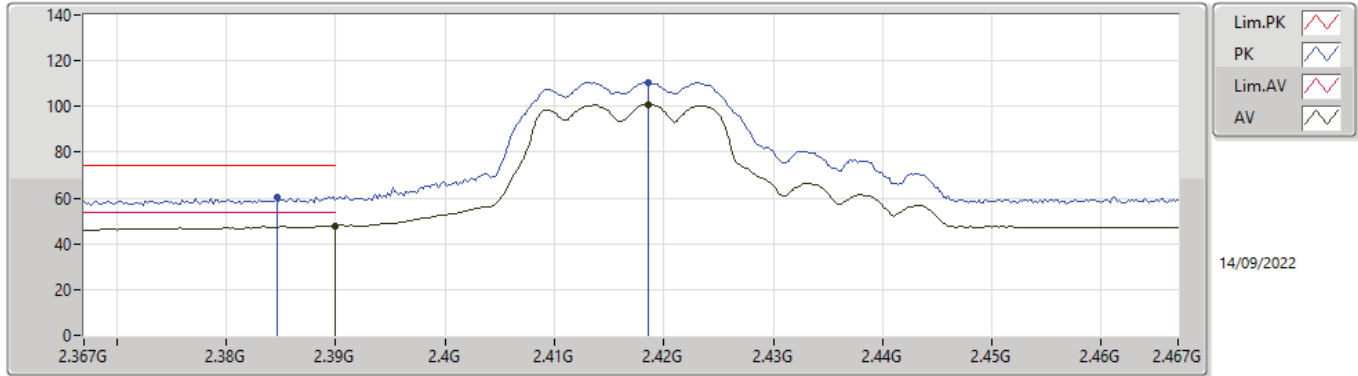
**802.11g\_Nss1,(6Mbps)\_2TX**  
**2412MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82327G	35.06	54.00	-18.94	3.47	3	Horizontal	194	2.54	31.59	32.44	5.68	34.65
PK	4.82304G	45.61	74.00	-28.39	3.47	3	Horizontal	194	2.54	42.14	32.44	5.68	34.65

### 802.11g\_Nss1,(6Mbps)\_2TX

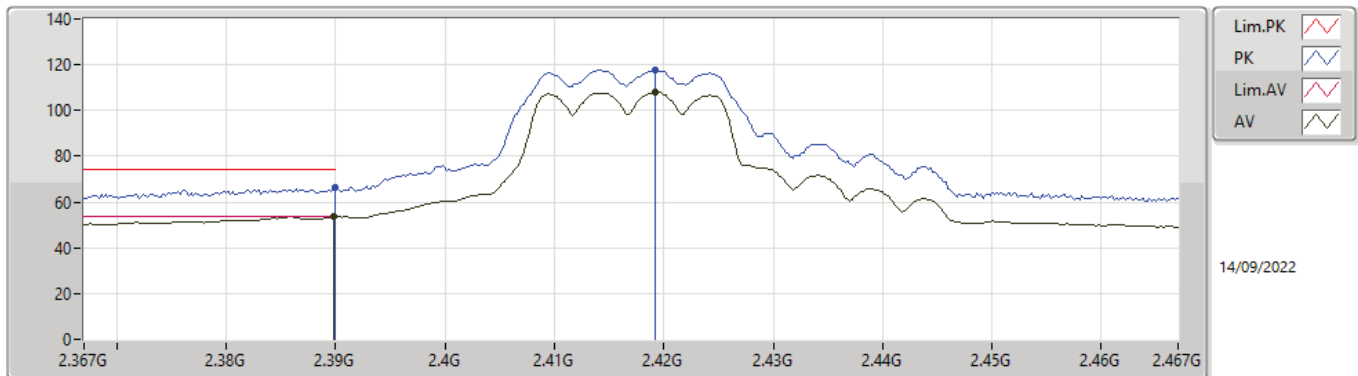
#### 2417MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	47.82	54.00	-6.18	31.60	3	Vertical	256	2.19	16.22	27.44	4.16	-
AV	2.4186G	100.98	Inf	-Inf	31.72	3	Vertical	256	2.19	69.26	27.54	4.18	-
PK	2.3846G	60.36	74.00	-13.64	31.57	3	Vertical	256	2.19	28.79	27.41	4.16	-
PK	2.4186G	110.70	Inf	-Inf	31.72	3	Vertical	256	2.19	78.98	27.54	4.18	-

### 802.11g\_Nss1,(6Mbps)\_2TX

#### 2417MHz\_TX

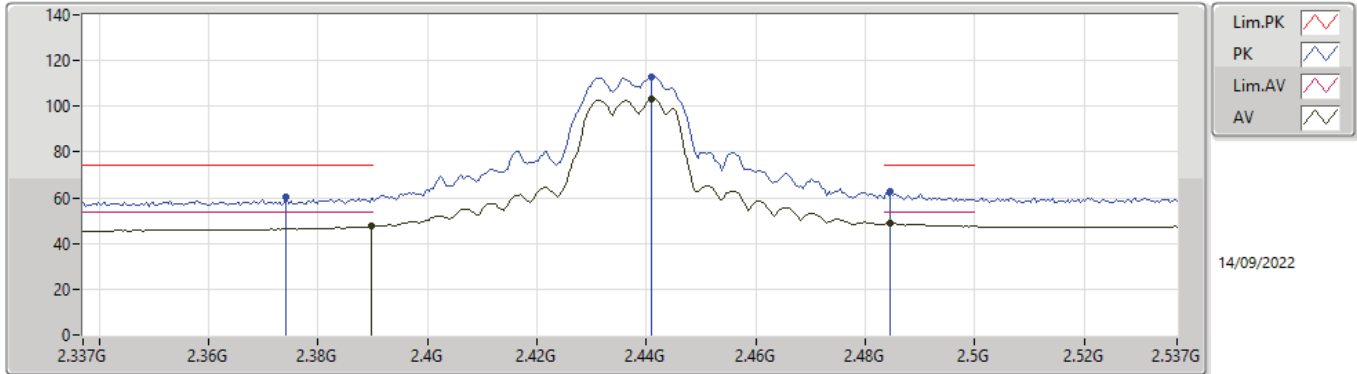


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.47	54.00	-0.53	31.60	3	Horizontal	59	2.23	21.87	27.44	4.16	-
AV	2.4192G	107.98	Inf	-Inf	31.72	3	Horizontal	59	2.23	76.26	27.54	4.18	-
PK	2.39G	66.66	74.00	-7.34	31.60	3	Horizontal	59	2.23	35.06	27.44	4.16	-
PK	2.4192G	117.68	Inf	-Inf	31.72	3	Horizontal	59	2.23	85.96	27.54	4.18	-



802.11g\_Nss1,(6Mbps)\_2TX

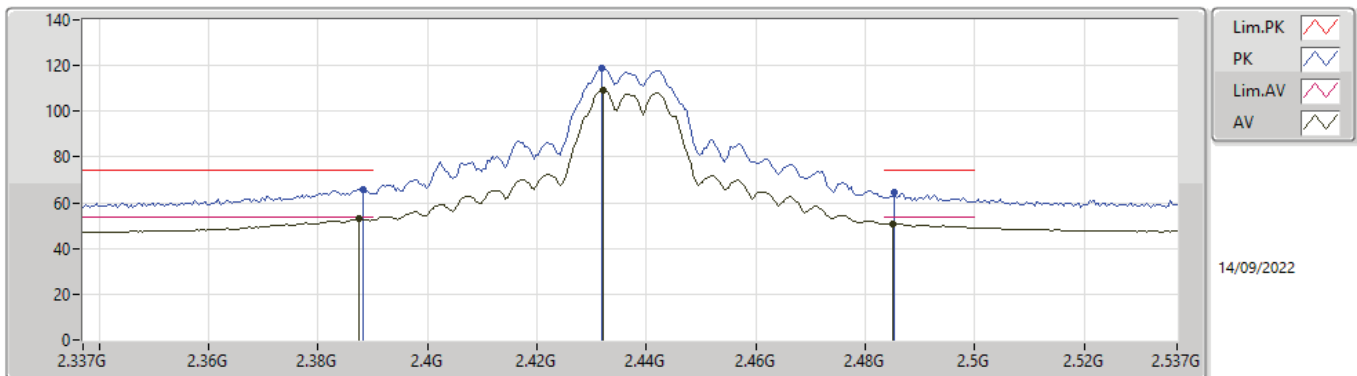
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	47.58	54.00	-6.42	31.60	3	Vertical	249	2.13	15.98	27.44	4.16	-
AV	2.441G	103.28	Inf	-Inf	31.77	3	Vertical	249	2.13	71.51	27.58	4.19	-
AV	2.4846G	48.90	54.00	-5.10	32.03	3	Vertical	249	2.13	16.87	27.81	4.22	-
PK	2.3742G	60.18	74.00	-13.82	31.50	3	Vertical	249	2.13	28.68	27.35	4.15	-
PK	2.441G	112.87	Inf	-Inf	31.77	3	Vertical	249	2.13	81.10	27.58	4.19	-
PK	2.4846G	62.56	74.00	-11.44	32.03	3	Vertical	249	2.13	30.53	27.81	4.22	-

802.11g\_Nss1,(6Mbps)\_2TX

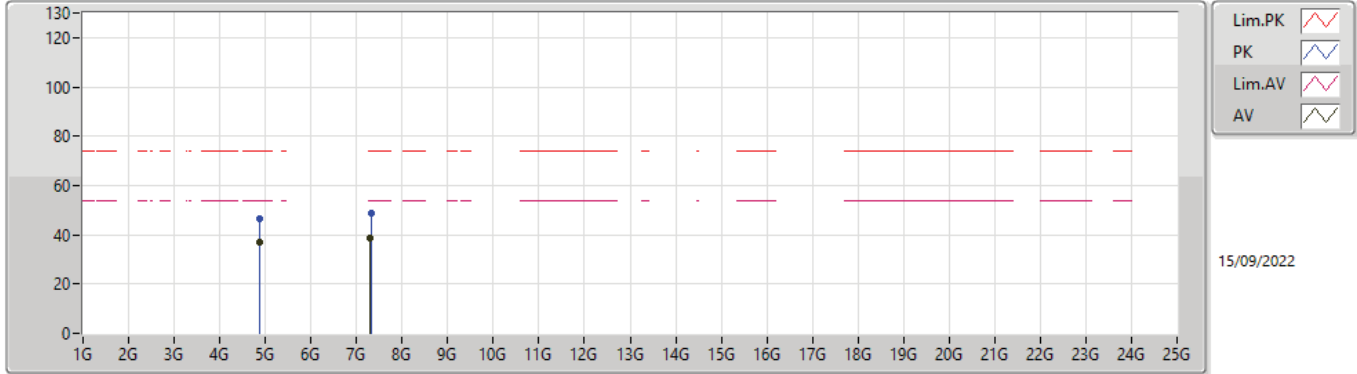
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3874G	52.83	54.00	-1.17	31.58	3	Horizontal	59	2.11	21.25	27.42	4.16	-
AV	2.4322G	109.11	Inf	-Inf	31.75	3	Horizontal	59	2.11	77.36	27.56	4.19	-
AV	2.485G	50.98	54.00	-3.02	32.03	3	Horizontal	59	2.11	18.95	27.81	4.22	-
PK	2.3882G	65.67	74.00	-8.33	31.59	3	Horizontal	59	2.11	34.08	27.43	4.16	-
PK	2.4318G	118.77	Inf	-Inf	31.75	3	Horizontal	59	2.11	87.02	27.56	4.19	-
PK	2.4854G	64.49	74.00	-9.51	32.03	3	Horizontal	59	2.11	32.46	27.81	4.22	-

### 802.11g\_Nss1,(6Mbps)\_2TX

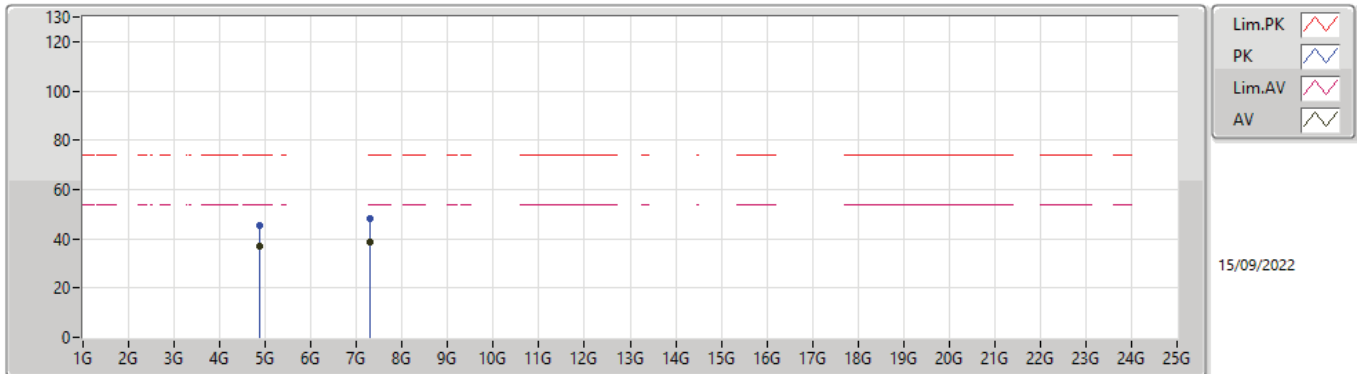
#### 2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87655G	37.09	54.00	-16.91	3.78	3	Vertical	279	1.50	33.31	32.71	5.72	34.65
AV	7.30059G	38.56	54.00	-15.44	8.84	3	Vertical	98	1.50	29.72	36.80	6.82	34.78
PK	4.86473G	46.58	74.00	-27.42	3.72	3	Vertical	279	1.50	42.86	32.66	5.71	34.65
PK	7.32225G	48.48	74.00	-25.52	8.72	3	Vertical	98	1.50	39.76	36.67	6.83	34.78

### 802.11g\_Nss1,(6Mbps)\_2TX

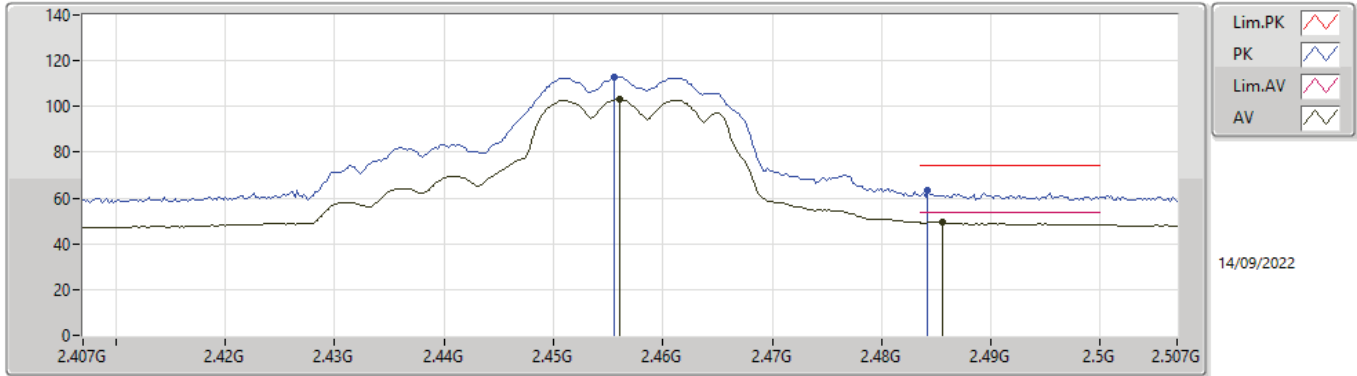
#### 2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87586G	36.90	54.00	-17.10	3.77	3	Horizontal	171	1.60	33.13	32.70	5.72	34.65
AV	7.29753G	38.60	54.00	-15.40	8.83	3	Horizontal	88	1.89	29.77	36.80	6.81	34.78
PK	4.86671G	45.33	74.00	-28.67	3.73	3	Horizontal	171	1.60	41.60	32.67	5.71	34.65
PK	7.30911G	48.18	74.00	-25.82	8.79	3	Horizontal	88	1.89	39.39	36.75	6.82	34.78

802.11g\_Nss1,(6Mbps)\_2TX

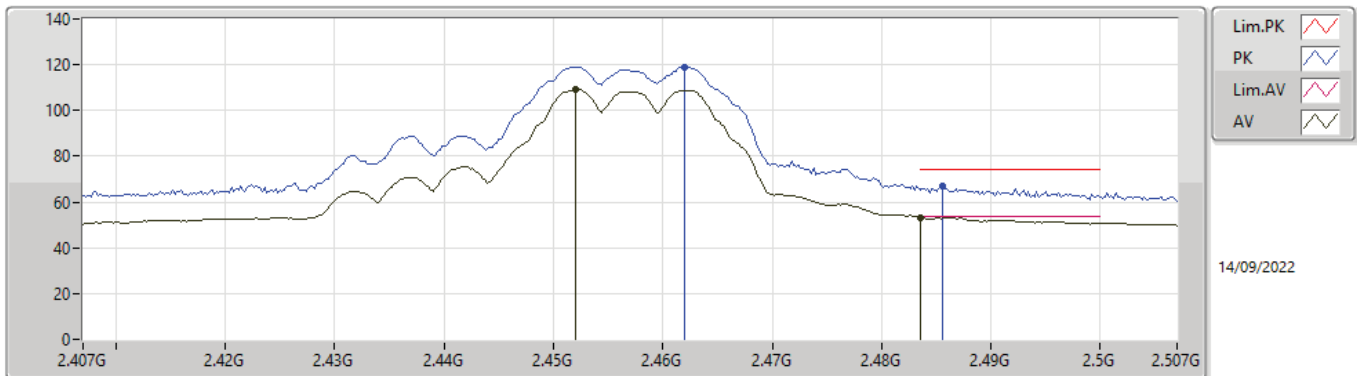
2457MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.456G	103.06	Inf	-Inf	31.84	3	Vertical	247	1.87	71.22	27.64	4.20	-
AV	2.4856G	49.55	54.00	-4.45	32.03	3	Vertical	247	1.87	17.52	27.81	4.22	-
PK	2.4556G	113.01	Inf	-Inf	31.83	3	Vertical	247	1.87	81.18	27.63	4.20	-
PK	2.4842G	63.21	74.00	-10.79	32.03	3	Vertical	247	1.87	31.18	27.81	4.22	-

802.11g\_Nss1,(6Mbps)\_2TX

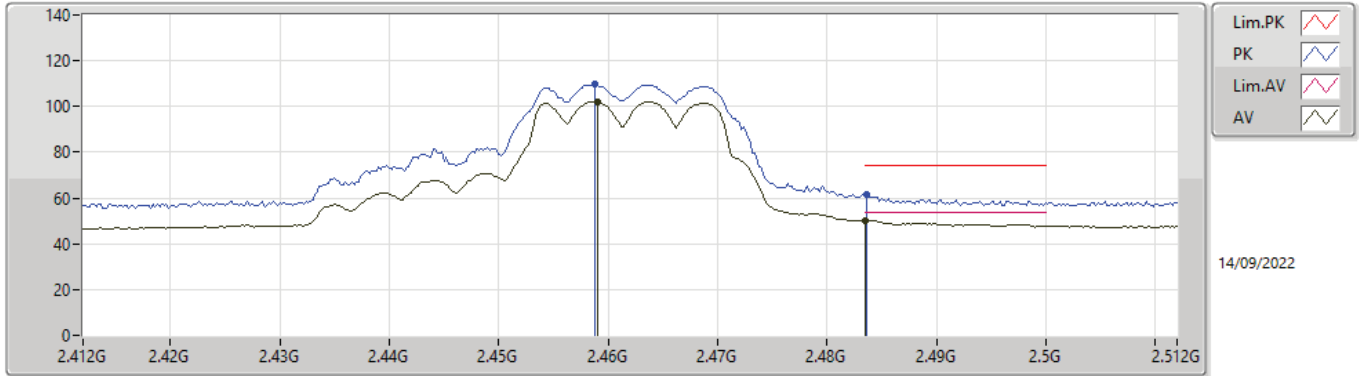
2457MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.452G	109.16	Inf	-Inf	31.81	3	Horizontal	61	2.22	77.35	27.61	4.20	-
AV	2.4835G	53.27	54.00	-0.73	32.02	3	Horizontal	61	2.22	21.25	27.80	4.22	-
PK	2.462G	119.03	Inf	-Inf	31.88	3	Horizontal	61	2.22	87.15	27.67	4.21	-
PK	2.4856G	67.04	74.00	-6.96	32.03	3	Horizontal	61	2.22	35.01	27.81	4.22	-

802.11g\_Nss1,(6Mbps)\_2TX

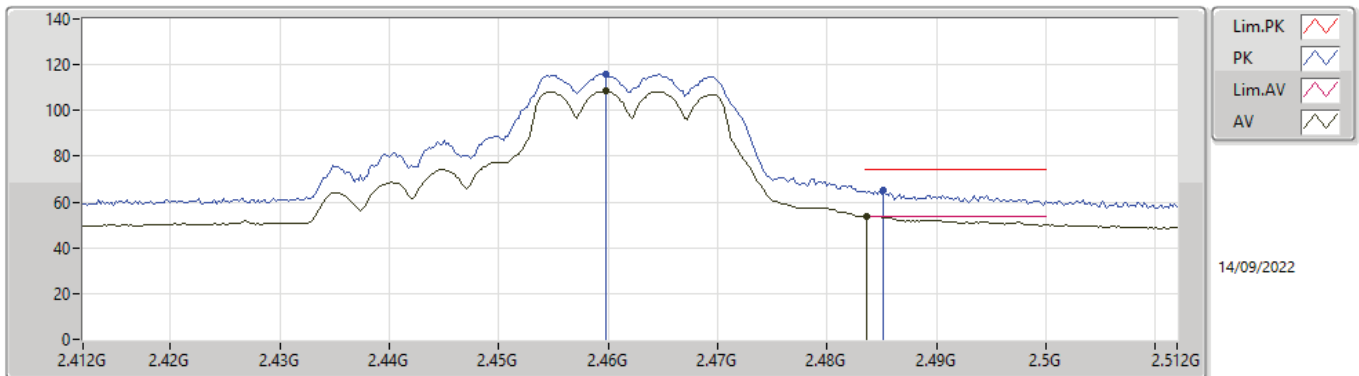
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.459G	102.02	Inf	-Inf	31.86	3	Vertical	246	1.88	70.16	27.65	4.21	-
AV	2.4835G	50.22	54.00	-3.78	32.02	3	Vertical	246	1.88	18.20	27.80	4.22	-
PK	2.4588G	109.80	Inf	-Inf	31.86	3	Vertical	246	1.88	77.94	27.65	4.21	-
PK	2.4836G	61.31	74.00	-12.69	32.02	3	Vertical	246	1.88	29.29	27.80	4.22	-

802.11g\_Nss1,(6Mbps)\_2TX

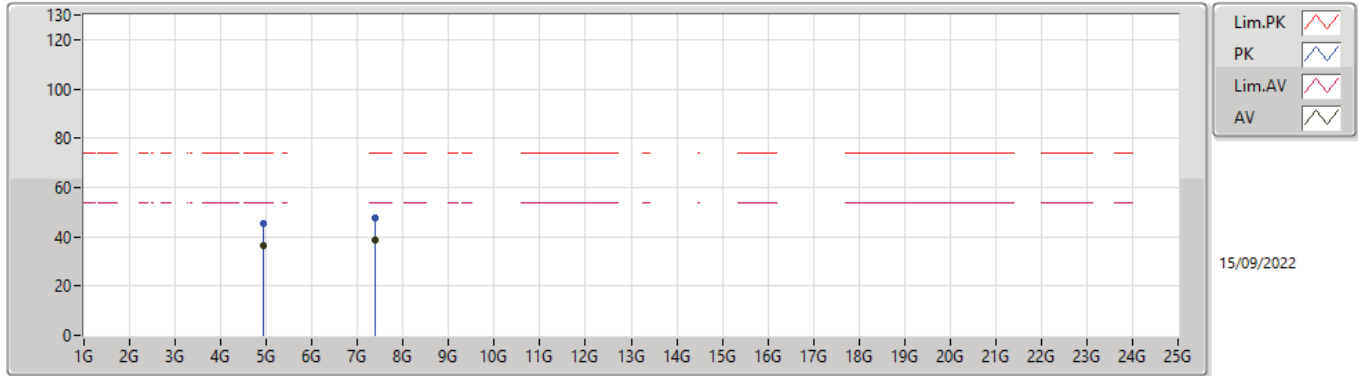
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4598G	108.32	Inf	-Inf	31.87	3	Horizontal	62	2.25	76.45	27.66	4.21	-
AV	2.4836G	53.76	54.00	-0.24	32.02	3	Horizontal	62	2.25	21.74	27.80	4.22	-
PK	2.4598G	116.09	Inf	-Inf	31.87	3	Horizontal	62	2.25	84.22	27.66	4.21	-
PK	2.4852G	64.88	74.00	-9.12	32.03	3	Horizontal	62	2.25	32.85	27.81	4.22	-

### 802.11g\_Nss1,(6Mbps)\_2TX

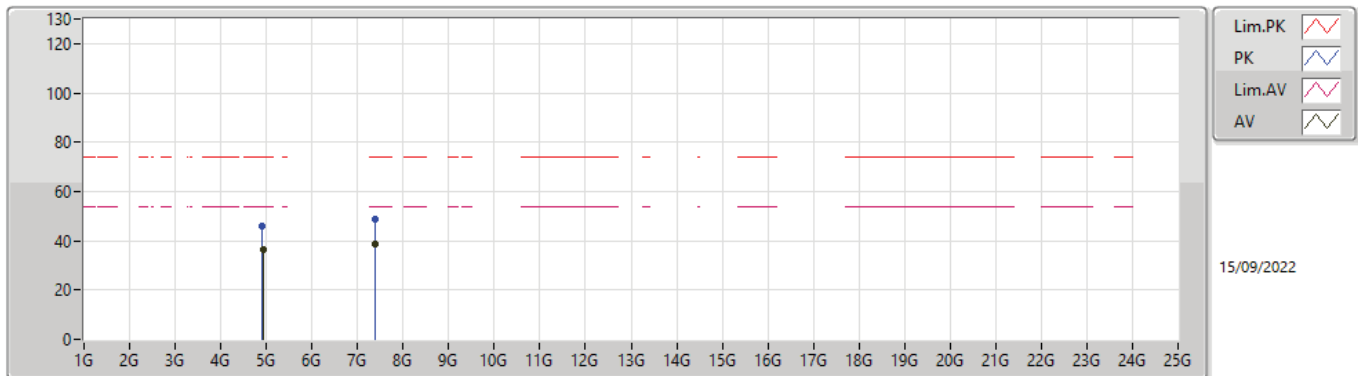
#### 2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92607G	36.43	54.00	-17.57	4.00	3	Vertical	276	2.03	32.43	32.90	5.75	34.65
AV	7.39158G	38.55	54.00	-15.45	8.41	3	Vertical	172	2.60	30.14	36.33	6.87	34.79
PK	4.93498G	45.45	74.00	-28.55	4.04	3	Vertical	276	2.03	41.41	32.94	5.75	34.65
PK	7.39236G	47.86	74.00	-26.14	8.42	3	Vertical	172	2.60	39.44	36.33	6.88	34.79

### 802.11g\_Nss1,(6Mbps)\_2TX

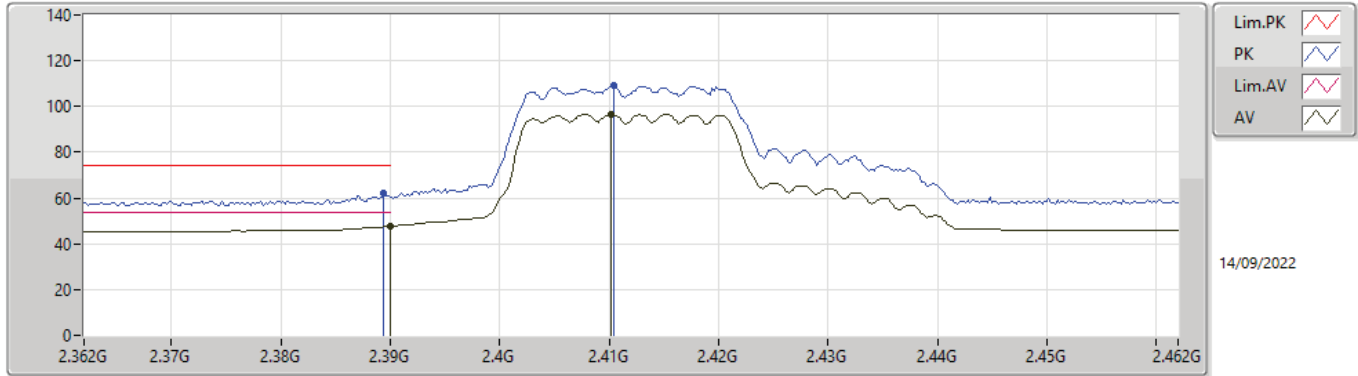
#### 2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92223G	36.48	54.00	-17.52	3.98	3	Horizontal	173	1.78	32.50	32.89	5.74	34.65
AV	7.39359G	38.50	54.00	-15.50	8.42	3	Horizontal	72	1.85	30.08	36.33	6.88	34.79
PK	4.91599G	46.06	74.00	-27.94	3.95	3	Horizontal	173	1.78	42.11	32.86	5.74	34.65
PK	7.39062G	48.96	74.00	-25.04	8.42	3	Horizontal	72	1.85	40.54	36.34	6.87	34.79

802.11ax HEW20\_Nss1,(MCS0)\_2TX

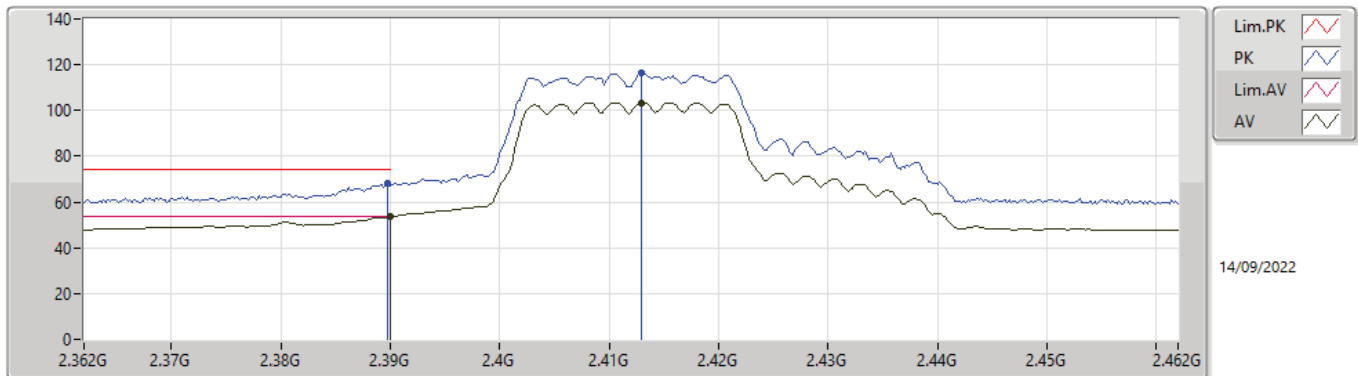
2412MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	47.60	54.00	-6.40	31.60	3	Vertical	256	2.17	16.00	27.44	4.16	-
AV	2.4102G	96.64	Inf	-Inf	31.70	3	Vertical	256	2.17	64.94	27.52	4.18	-
PK	2.3894G	62.10	74.00	-11.90	31.60	3	Vertical	256	2.17	30.50	27.44	4.16	-
PK	2.4104G	109.16	Inf	-Inf	31.70	3	Vertical	256	2.17	77.46	27.52	4.18	-

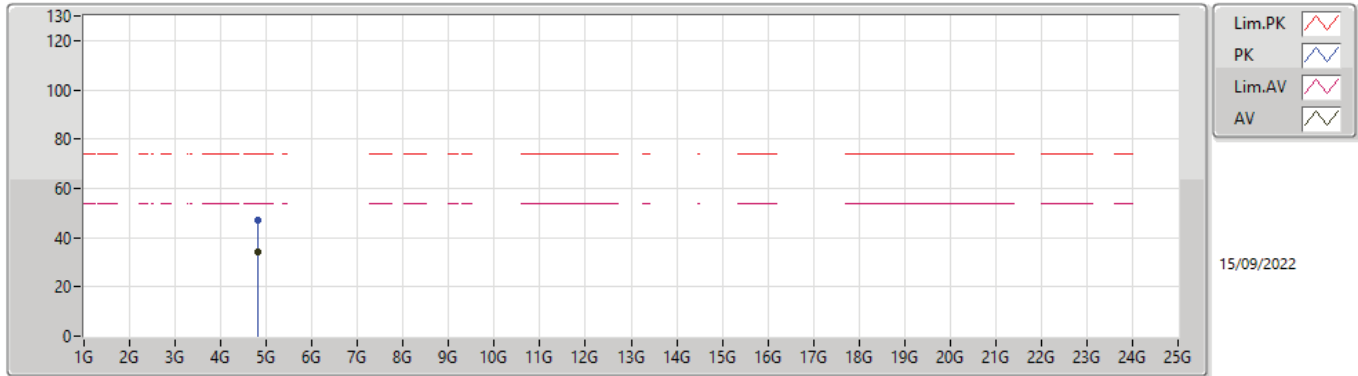
802.11ax HEW20\_Nss1,(MCS0)\_2TX

2412MHz\_TX



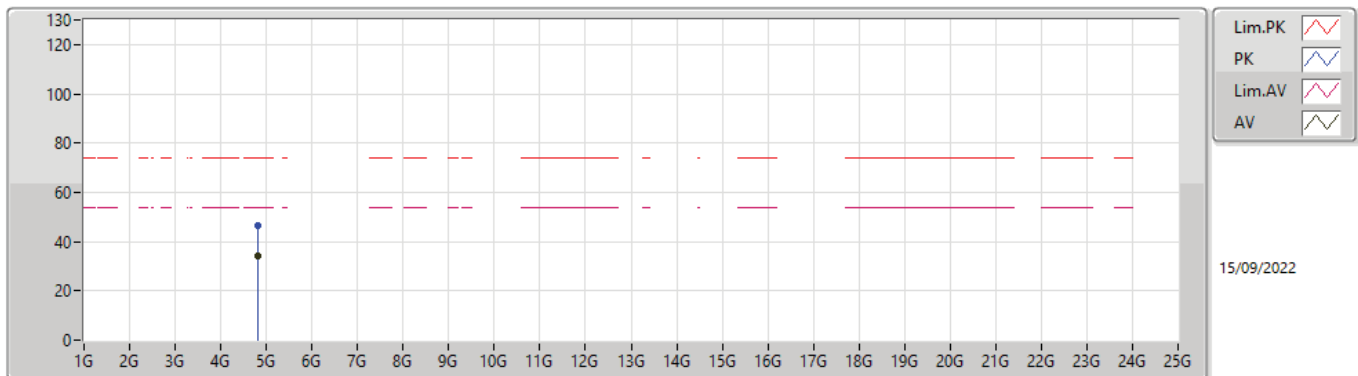
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.50	54.00	-0.50	31.60	3	Horizontal	57	2.21	21.90	27.44	4.16	-
AV	2.413G	103.49	Inf	-Inf	31.71	3	Horizontal	57	2.21	71.78	27.53	4.18	-
PK	2.3898G	67.95	74.00	-6.05	31.60	3	Horizontal	57	2.21	36.35	27.44	4.16	-
PK	2.413G	116.32	Inf	-Inf	31.71	3	Horizontal	57	2.21	84.61	27.53	4.18	-

**802.11ax HEW20\_Nss1,(MCS0)\_2TX  
2412MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82316G	34.34	54.00	-19.66	3.47	3	Vertical	350	1.85	30.87	32.44	5.68	34.65
PK	4.82278G	47.04	74.00	-26.96	3.47	3	Vertical	350	1.85	43.57	32.44	5.68	34.65

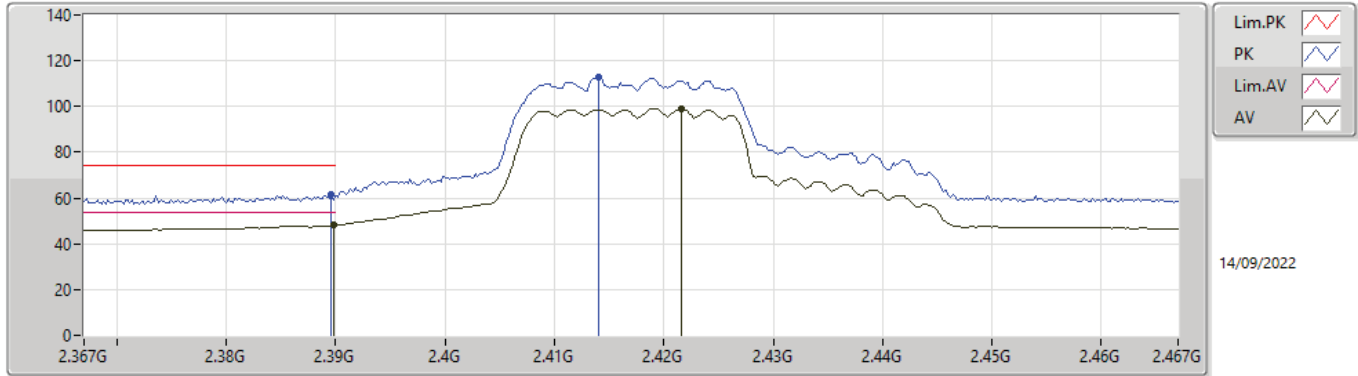
**802.11ax HEW20\_Nss1,(MCS0)\_2TX  
2412MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82304G	34.37	54.00	-19.63	3.47	3	Horizontal	15	2.94	30.90	32.44	5.68	34.65
PK	4.82304G	46.61	74.00	-27.39	3.47	3	Horizontal	15	2.94	43.14	32.44	5.68	34.65

802.11ax HEW20\_Nss1,(MCS0)\_2TX

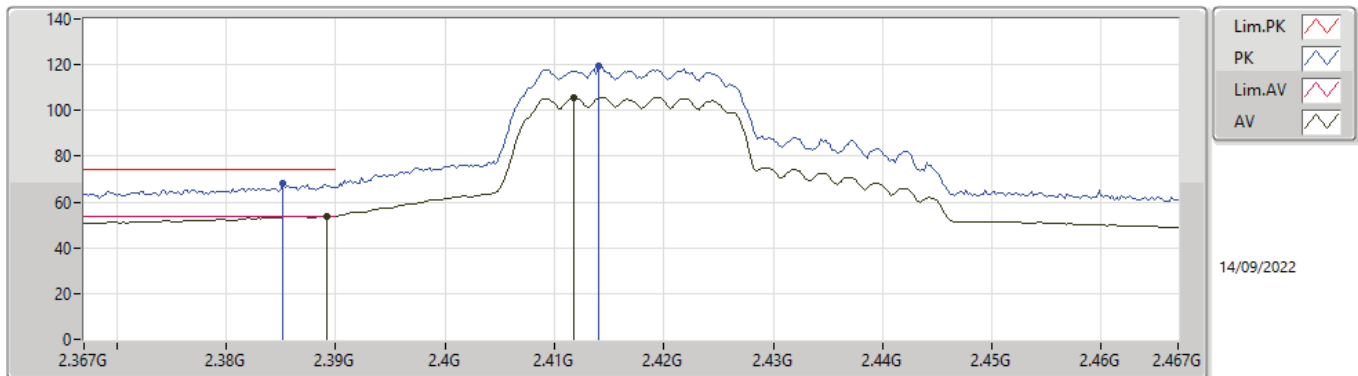
2417MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	48.10	54.00	-5.90	31.60	3	Vertical	246	2.18	16.50	27.44	4.16	-
AV	2.4216G	98.95	Inf	-Inf	31.72	3	Vertical	246	2.18	67.23	27.54	4.18	-
PK	2.3896G	61.34	74.00	-12.66	31.60	3	Vertical	246	2.18	29.74	27.44	4.16	-
PK	2.414G	112.90	Inf	-Inf	31.71	3	Vertical	246	2.18	81.19	27.53	4.18	-

802.11ax HEW20\_Nss1,(MCS0)\_2TX

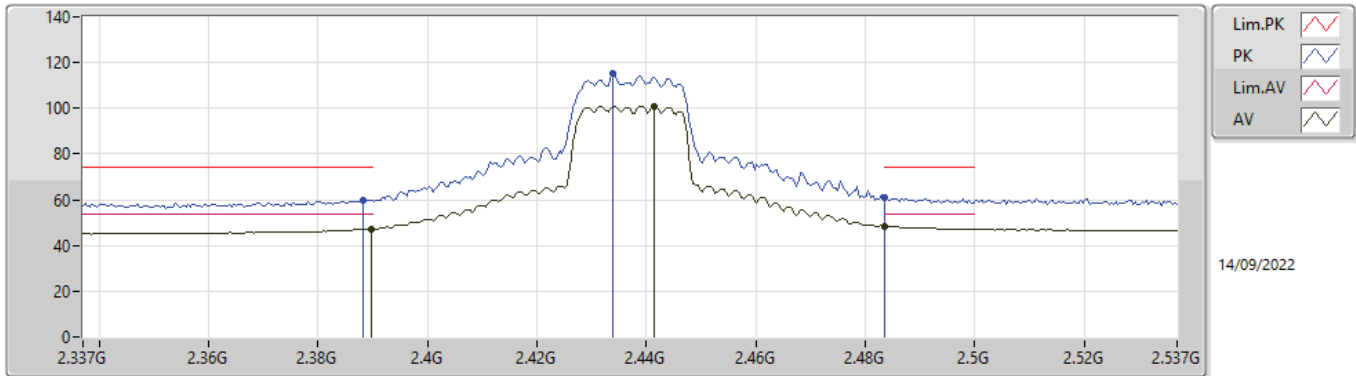
2417MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	53.93	54.00	-0.07	31.60	3	Horizontal	57	2.22	22.33	27.44	4.16	-
AV	2.4118G	105.64	Inf	-Inf	31.70	3	Horizontal	57	2.22	73.94	27.52	4.18	-
PK	2.3852G	67.91	74.00	-6.09	31.57	3	Horizontal	57	2.22	36.34	27.41	4.16	-
PK	2.414G	119.50	Inf	-Inf	31.71	3	Horizontal	57	2.22	87.79	27.53	4.18	-

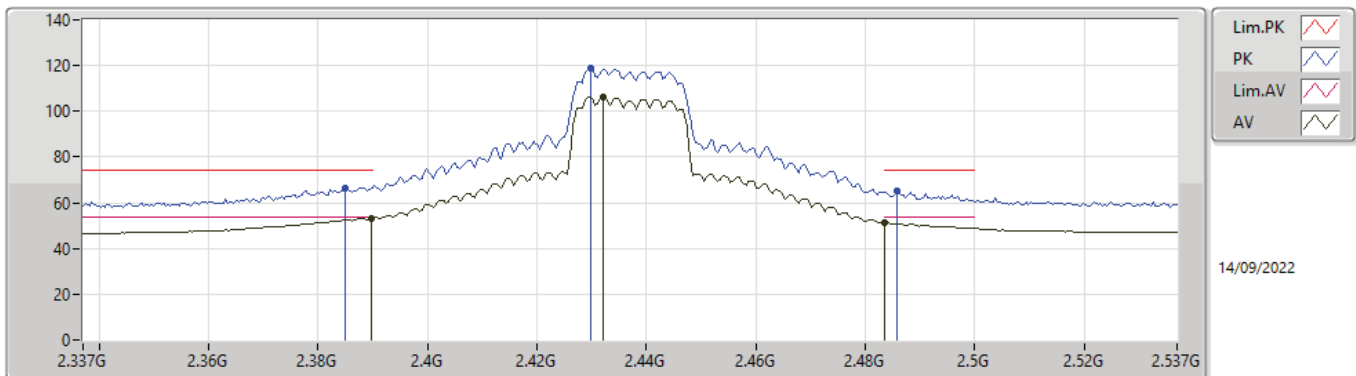


**802.11ax HEW20\_Nss1,(MCS0)\_2TX  
2437MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	47.30	54.00	-6.70	31.60	3	Vertical	246	2.38	15.70	27.44	4.16	-
AV	2.4414G	100.97	Inf	-Inf	31.77	3	Vertical	246	2.38	69.20	27.58	4.19	-
AV	2.4835G	48.51	54.00	-5.49	32.02	3	Vertical	246	2.38	16.49	27.80	4.22	-
PK	2.3882G	59.80	74.00	-14.20	31.59	3	Vertical	246	2.38	28.21	27.43	4.16	-
PK	2.4338G	115.04	Inf	-Inf	31.76	3	Vertical	246	2.38	83.28	27.57	4.19	-
PK	2.4835G	60.65	74.00	-13.35	32.02	3	Vertical	246	2.38	28.63	27.80	4.22	-

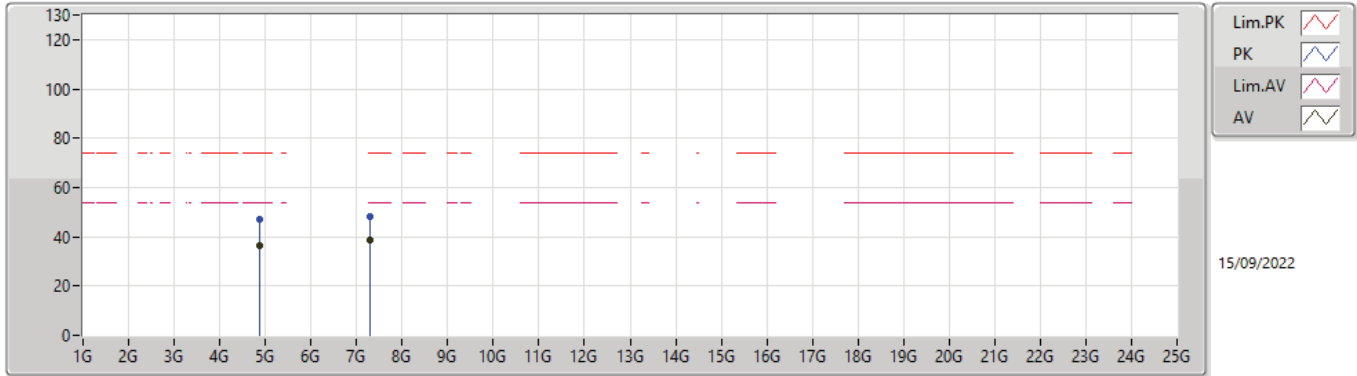
**802.11ax HEW20\_Nss1,(MCS0)\_2TX  
2437MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.33	54.00	-0.67	31.60	3	Horizontal	58	2.11	21.73	27.44	4.16	-
AV	2.4322G	106.30	Inf	-Inf	31.75	3	Horizontal	58	2.11	74.55	27.56	4.19	-
AV	2.4835G	51.52	54.00	-2.48	32.02	3	Horizontal	58	2.11	19.50	27.80	4.22	-
PK	2.385G	66.45	74.00	-7.55	31.57	3	Horizontal	58	2.11	34.88	27.41	4.16	-
PK	2.4298G	118.74	Inf	-Inf	31.75	3	Horizontal	58	2.11	86.99	27.56	4.19	-
PK	2.4858G	65.26	74.00	-8.74	32.03	3	Horizontal	58	2.11	33.23	27.81	4.22	-

802.11ax HEW20\_Nss1,(MCS0)\_2TX

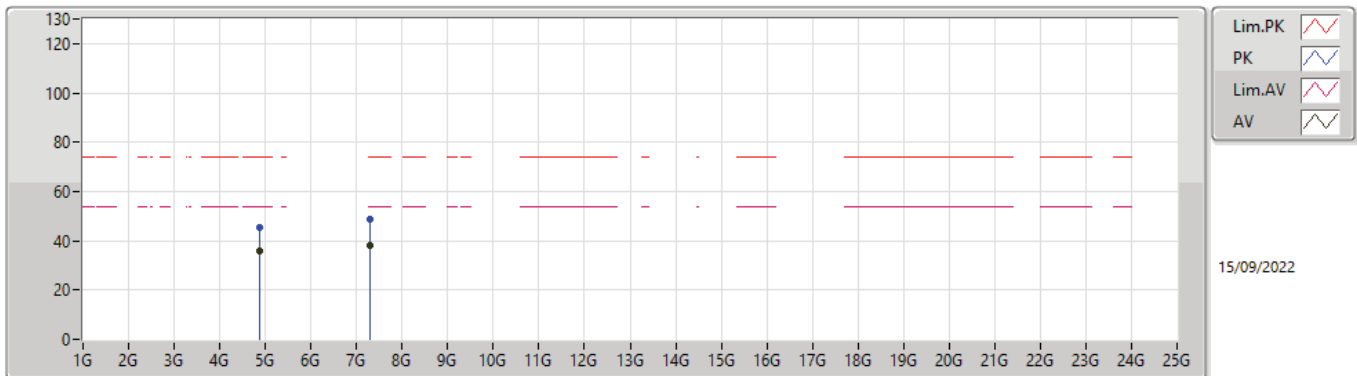
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8752G	36.25	54.00	-17.75	3.77	3	Vertical	280	1.48	32.48	32.70	5.72	34.65
AV	7.29912G	38.45	54.00	-15.55	8.83	3	Vertical	256	1.88	29.62	36.80	6.81	34.78
PK	4.88273G	46.96	74.00	-27.04	3.80	3	Vertical	280	1.48	43.16	32.73	5.72	34.65
PK	7.30002G	48.15	74.00	-25.85	8.84	3	Vertical	256	1.88	39.31	36.80	6.82	34.78

802.11ax HEW20\_Nss1,(MCS0)\_2TX

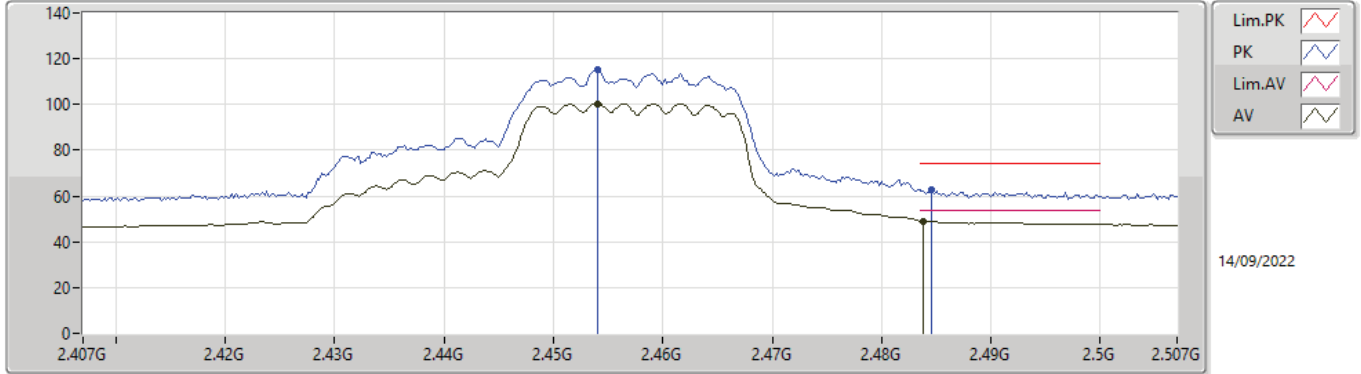
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87004G	35.91	54.00	-18.09	3.74	3	Horizontal	170	1.64	32.17	32.68	5.71	34.65
AV	7.2963G	38.14	54.00	-15.86	8.83	3	Horizontal	318	1.39	29.31	36.80	6.81	34.78
PK	4.87736G	45.44	74.00	-28.56	3.78	3	Horizontal	170	1.64	41.66	32.71	5.72	34.65
PK	7.30344G	49.01	74.00	-24.99	8.82	3	Horizontal	318	1.39	40.19	36.78	6.82	34.78

802.11ax HEW20\_Nss1,(MCS0)\_2TX

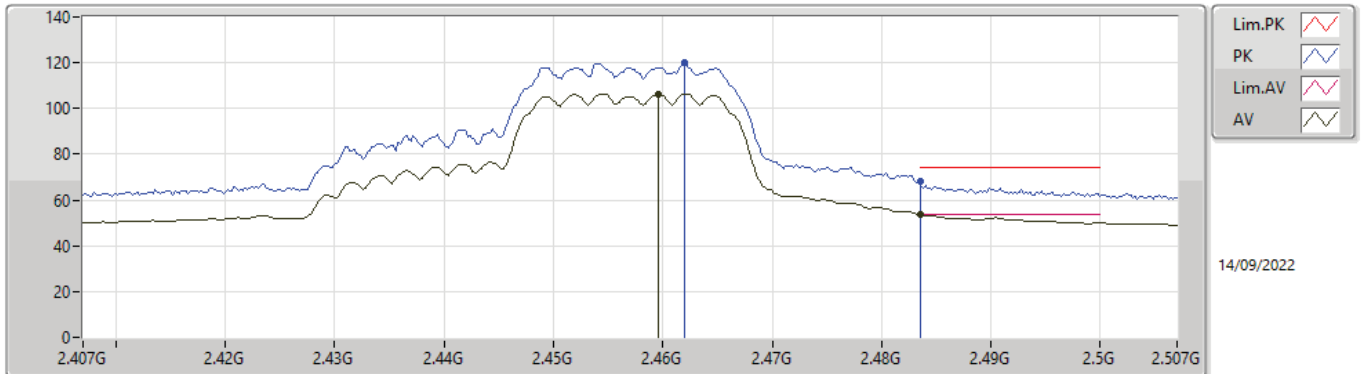
2457MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.454G	100.33	Inf	-Inf	31.82	3	Vertical	246	1.87	68.51	27.62	4.20	-
AV	2.4838G	49.18	54.00	-4.82	32.02	3	Vertical	246	1.87	17.16	27.80	4.22	-
PK	2.454G	114.98	Inf	-Inf	31.82	3	Vertical	246	1.87	83.16	27.62	4.20	-
PK	2.4846G	62.95	74.00	-11.05	32.03	3	Vertical	246	1.87	30.92	27.81	4.22	-

802.11ax HEW20\_Nss1,(MCS0)\_2TX

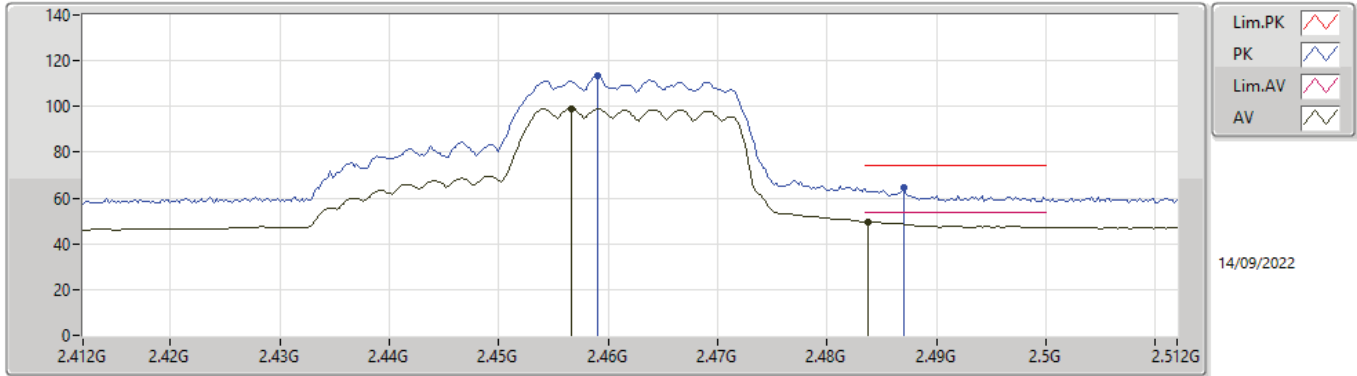
2457MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4596G	106.36	Inf	-Inf	31.87	3	Horizontal	60	2.24	74.49	27.66	4.21	-
AV	2.4835G	53.67	54.00	-0.33	32.02	3	Horizontal	60	2.24	21.65	27.80	4.22	-
PK	2.462G	119.99	Inf	-Inf	31.88	3	Horizontal	60	2.24	88.11	27.67	4.21	-
PK	2.4835G	68.03	74.00	-5.97	32.02	3	Horizontal	60	2.24	36.01	27.80	4.22	-

802.11ax HEW20\_Nss1,(MCS0)\_2TX

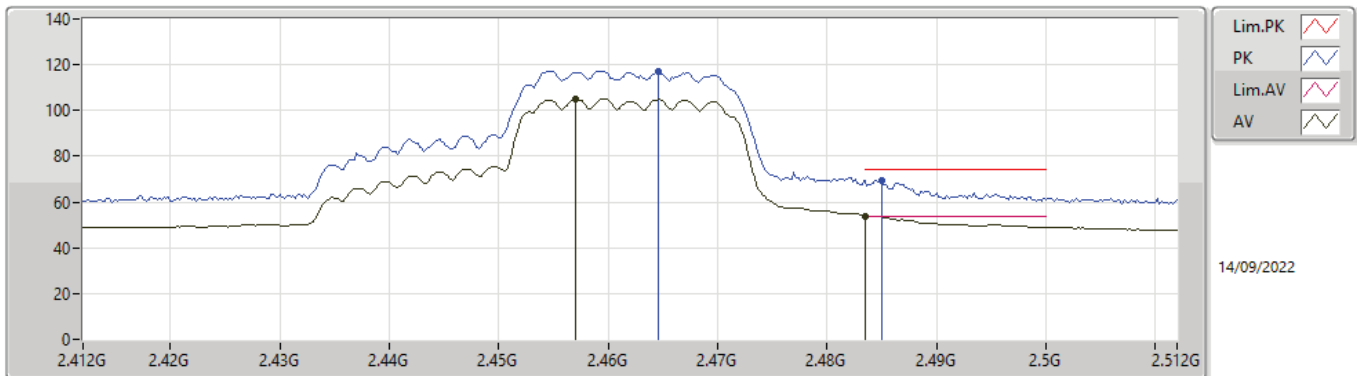
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4566G	99.16	Inf	-Inf	31.84	3	Vertical	246	1.87	67.32	27.64	4.20	-
AV	2.4838G	49.76	54.00	-4.24	32.02	3	Vertical	246	1.87	17.74	27.80	4.22	-
PK	2.459G	113.47	Inf	-Inf	31.86	3	Vertical	246	1.87	81.61	27.65	4.21	-
PK	2.487G	64.73	74.00	-9.27	32.04	3	Vertical	246	1.87	32.69	27.82	4.22	-

802.11ax HEW20\_Nss1,(MCS0)\_2TX

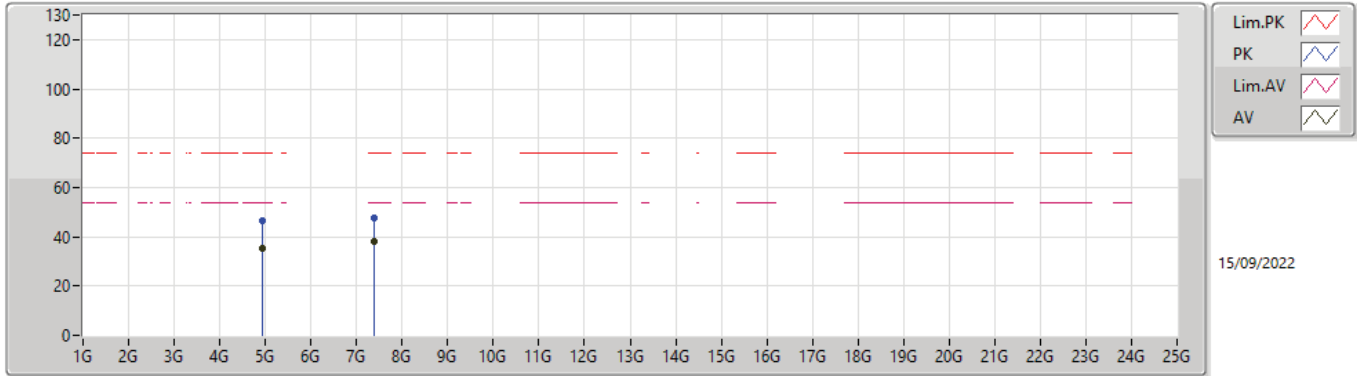
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.457G	104.93	Inf	-Inf	31.84	3	Horizontal	61	2.26	73.09	27.64	4.20	-
AV	2.4835G	53.87	54.00	-0.13	32.02	3	Horizontal	61	2.26	21.85	27.80	4.22	-
PK	2.4646G	117.33	Inf	-Inf	31.90	3	Horizontal	61	2.26	85.43	27.69	4.21	-
PK	2.485G	69.32	74.00	-4.68	32.03	3	Horizontal	61	2.26	37.29	27.81	4.22	-

802.11ax HEW20\_Nss1,(MCS0)\_2TX

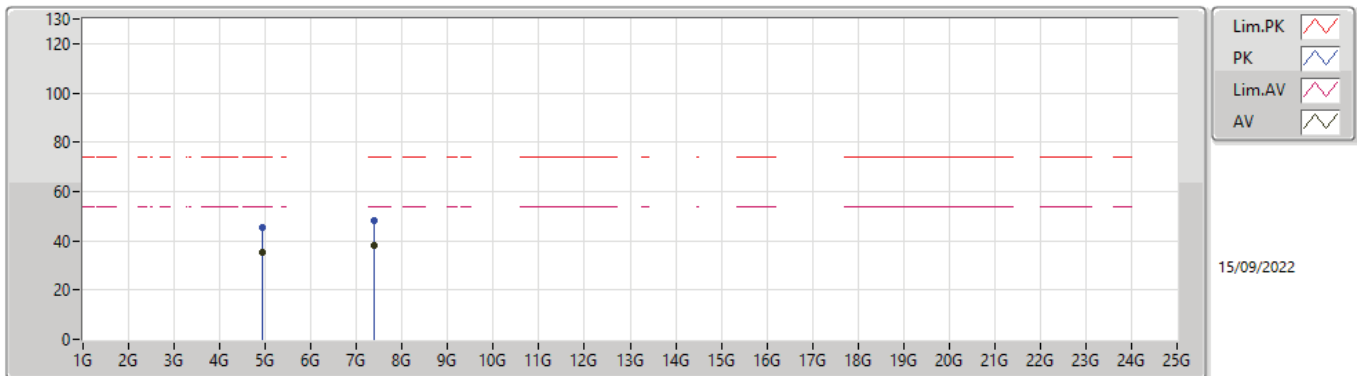
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92331G	35.55	54.00	-18.45	3.98	3	Vertical	277	2.30	31.57	32.89	5.74	34.65
AV	7.38825G	37.85	54.00	-16.15	8.43	3	Vertical	220	1.50	29.42	36.35	6.87	34.79
PK	4.92154G	46.66	74.00	-27.34	3.98	3	Vertical	277	2.30	42.68	32.89	5.74	34.65
PK	7.38396G	47.64	74.00	-26.36	8.44	3	Vertical	220	1.50	39.20	36.36	6.87	34.79

802.11ax HEW20\_Nss1,(MCS0)\_2TX

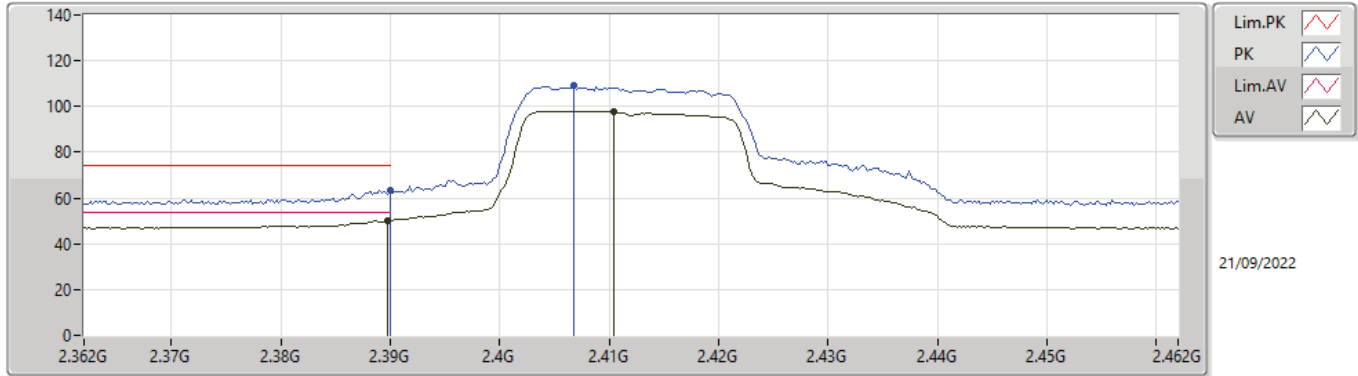
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92274G	35.27	54.00	-18.73	3.98	3	Horizontal	172	1.82	31.29	32.89	5.74	34.65
AV	7.39395G	37.98	54.00	-16.02	8.41	3	Horizontal	360	1.50	29.57	36.32	6.88	34.79
PK	4.93552G	45.39	74.00	-28.61	4.04	3	Horizontal	172	1.82	41.35	32.94	5.75	34.65
PK	7.39671G	48.36	74.00	-25.64	8.40	3	Horizontal	360	1.50	39.96	36.31	6.88	34.79

802.11ax HEW20\_Nss2,(MCS0)\_2TX

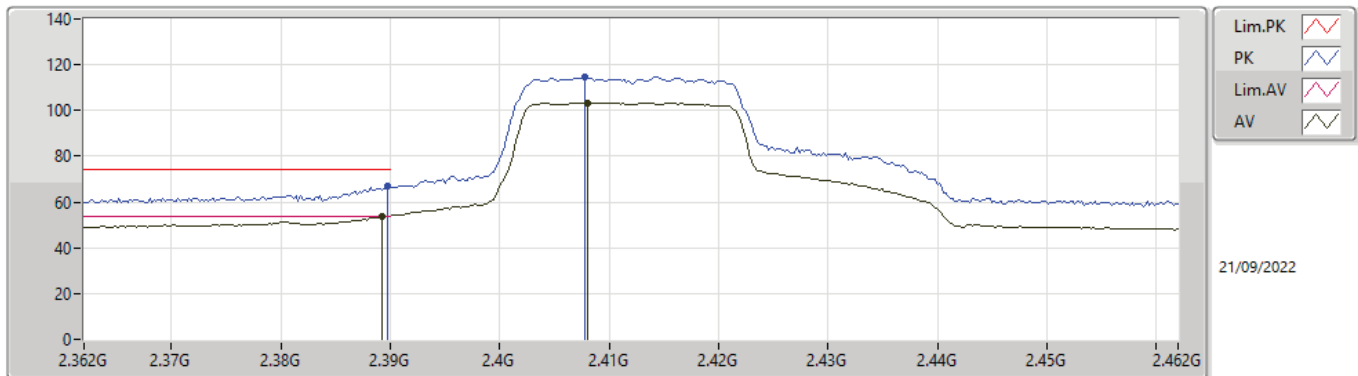
2412MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	50.35	54.00	-3.65	31.60	3	Vertical	99	2.80	18.75	27.44	4.16	-
AV	2.4104G	97.79	Inf	-Inf	31.70	3	Vertical	99	2.80	66.09	27.52	4.18	-
PK	2.39G	63.47	74.00	-10.53	31.60	3	Vertical	99	2.80	31.87	27.44	4.16	-
PK	2.4068G	108.96	Inf	-Inf	31.68	3	Vertical	99	2.80	77.28	27.51	4.17	-

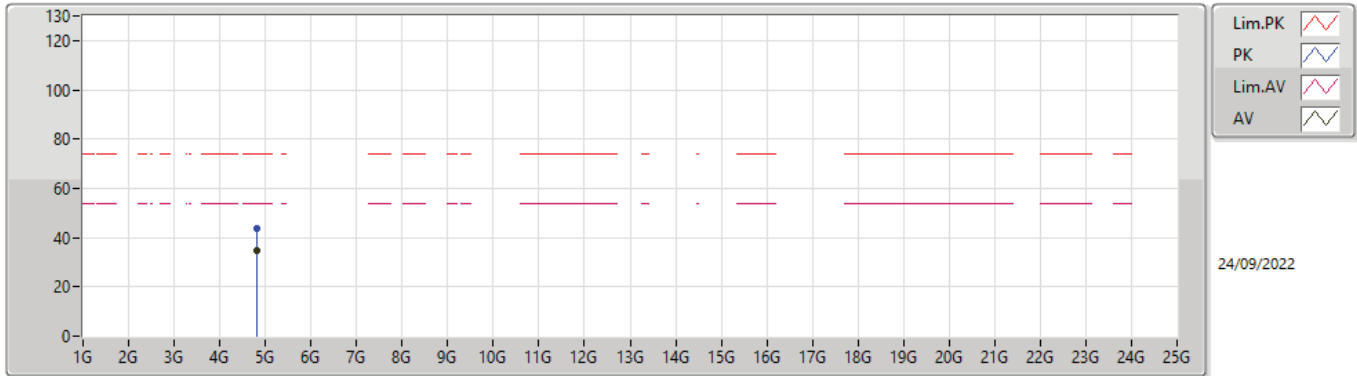
802.11ax HEW20\_Nss2,(MCS0)\_2TX

2412MHz\_TX



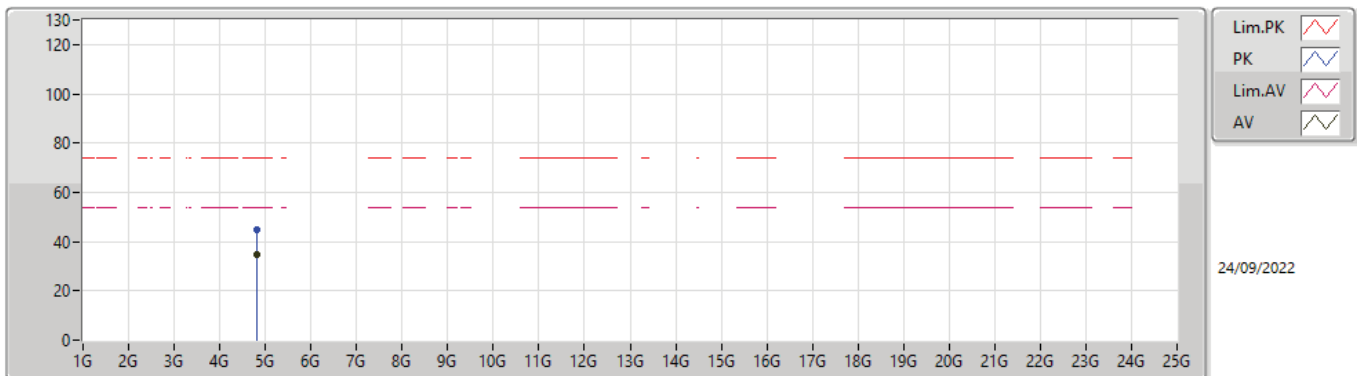
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	53.93	54.00	-0.07	31.60	3	Horizontal	54	2.35	22.33	27.44	4.16	-
AV	2.408G	103.48	Inf	-Inf	31.69	3	Horizontal	54	2.35	71.79	27.52	4.17	-
PK	2.3898G	67.04	74.00	-6.96	31.60	3	Horizontal	54	2.35	35.44	27.44	4.16	-
PK	2.4078G	114.65	Inf	-Inf	31.69	3	Horizontal	54	2.35	82.96	27.52	4.17	-

**802.11ax HEW20\_Nss2,(MCS0)\_2TX  
2412MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82575G	34.94	54.00	-19.06	3.49	3	Vertical	355	1.39	31.45	32.45	5.69	34.65
PK	4.82733G	43.54	74.00	-30.46	3.50	3	Vertical	355	1.39	40.04	32.46	5.69	34.65

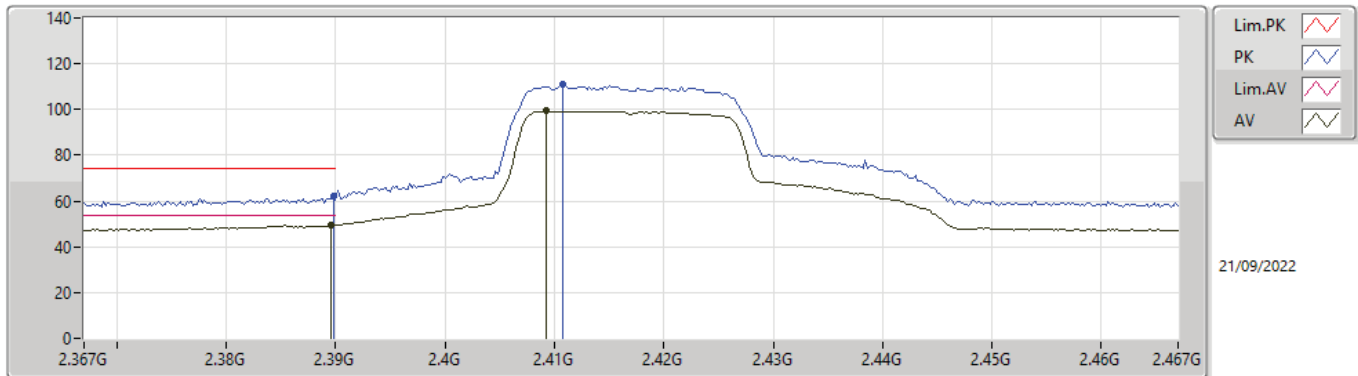
**802.11ax HEW20\_Nss2,(MCS0)\_2TX  
2412MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82602G	34.73	54.00	-19.27	3.50	3	Horizontal	35	1.78	31.23	32.46	5.69	34.65
PK	4.81981G	45.05	74.00	-28.95	3.45	3	Horizontal	35	1.78	41.60	32.42	5.68	34.65

802.11ax HEW20\_Nss2,(MCS0)\_2TX

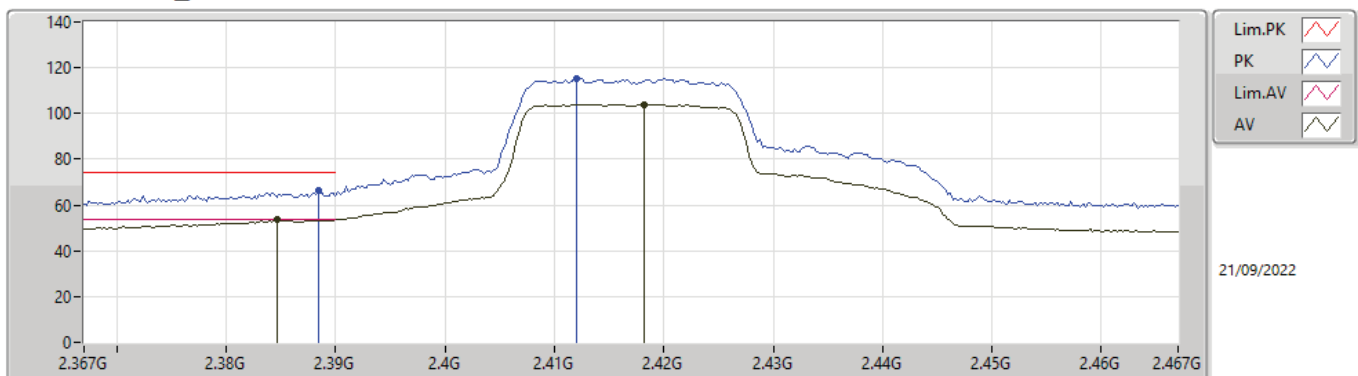
2417MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	49.64	54.00	-4.36	31.60	3	Vertical	87	2.18	18.04	27.44	4.16	-
AV	2.4092G	99.33	Inf	-Inf	31.70	3	Vertical	87	2.18	67.63	27.52	4.18	-
PK	2.3898G	61.88	74.00	-12.12	31.60	3	Vertical	87	2.18	30.28	27.44	4.16	-
PK	2.4108G	111.04	Inf	-Inf	31.70	3	Vertical	87	2.18	79.34	27.52	4.18	-

802.11ax HEW20\_Nss2,(MCS0)\_2TX

2417MHz\_TX

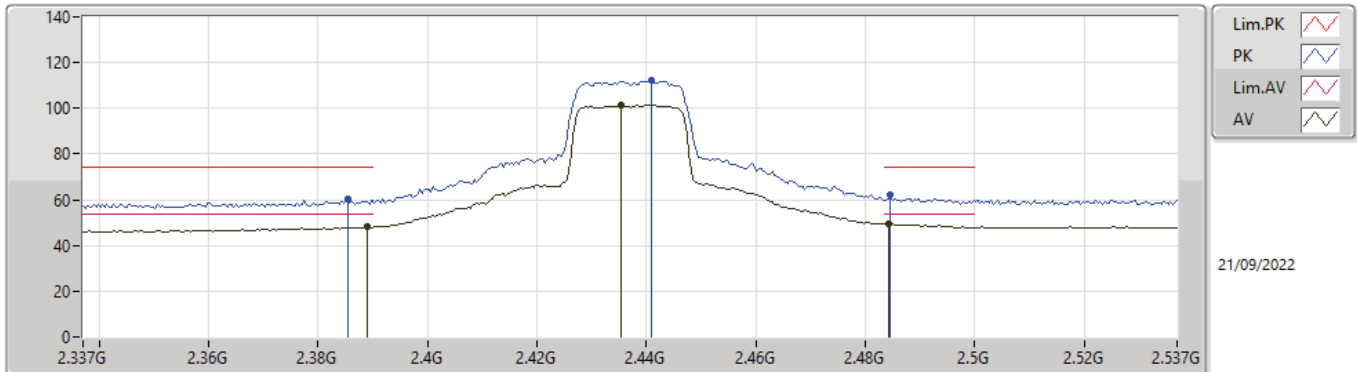


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3846G	53.49	54.00	-0.51	31.57	3	Horizontal	299	2.15	21.92	27.41	4.16	-
AV	2.4182G	104.08	Inf	-Inf	31.72	3	Horizontal	299	2.15	72.36	27.54	4.18	-
PK	2.3884G	66.60	74.00	-7.40	31.59	3	Horizontal	299	2.15	35.01	27.43	4.16	-
PK	2.412G	115.50	Inf	-Inf	31.70	3	Horizontal	299	2.15	83.80	27.52	4.18	-



802.11ax HEW20\_Nss2,(MCS0)\_2TX

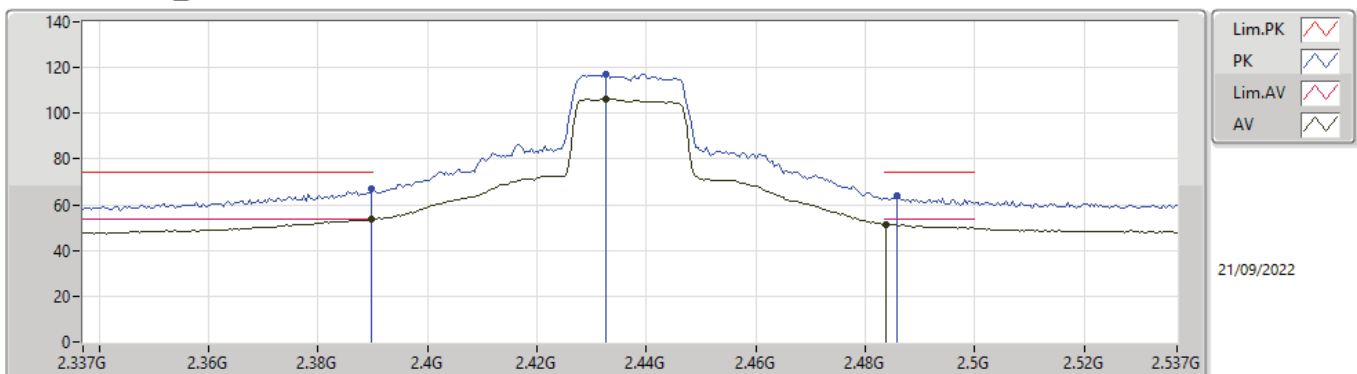
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	48.02	54.00	-5.98	31.59	3	Vertical	242	2.39	16.43	27.43	4.16	-
AV	2.4354G	101.19	Inf	-Inf	31.76	3	Vertical	242	2.39	69.43	27.57	4.19	-
AV	2.4842G	49.43	54.00	-4.57	32.03	3	Vertical	242	2.39	17.40	27.81	4.22	-
PK	2.3854G	60.27	74.00	-13.73	31.57	3	Vertical	242	2.39	28.70	27.41	4.16	-
PK	2.441G	112.13	Inf	-Inf	31.77	3	Vertical	242	2.39	80.36	27.58	4.19	-
PK	2.4846G	62.14	74.00	-11.86	32.03	3	Vertical	242	2.39	30.11	27.81	4.22	-

802.11ax HEW20\_Nss2,(MCS0)\_2TX

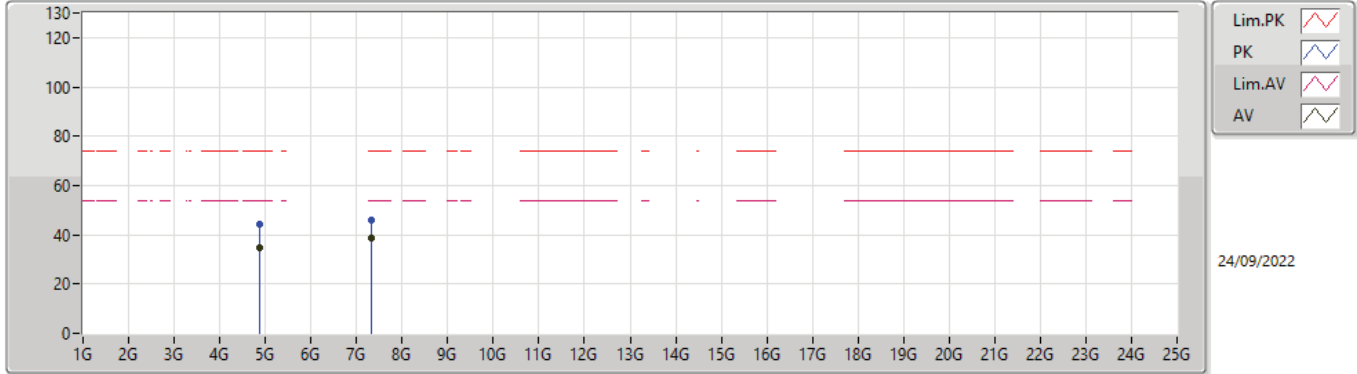
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.58	54.00	-0.42	31.60	3	Horizontal	57	2.12	21.98	27.44	4.16	-
AV	2.4326G	106.33	Inf	-Inf	31.76	3	Horizontal	57	2.12	74.57	27.57	4.19	-
AV	2.4838G	51.43	54.00	-2.57	32.02	3	Horizontal	57	2.12	19.41	27.80	4.22	-
PK	2.3898G	66.90	74.00	-7.10	31.60	3	Horizontal	57	2.12	35.30	27.44	4.16	-
PK	2.4326G	116.98	Inf	-Inf	31.76	3	Horizontal	57	2.12	85.22	27.57	4.19	-
PK	2.4858G	64.18	74.00	-9.82	32.03	3	Horizontal	57	2.12	32.15	27.81	4.22	-

802.11ax HEW20\_Nss2,(MCS0)\_2TX

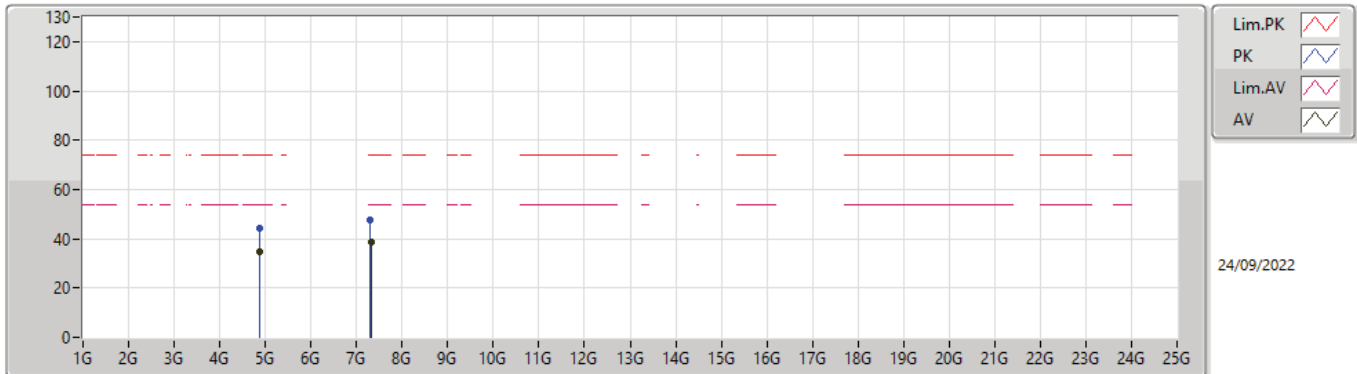
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87819G	34.71	54.00	-19.29	3.78	3	Vertical	275	1.11	30.93	32.71	5.72	34.65
AV	7.3157G	38.60	54.00	-15.40	8.76	3	Vertical	206	1.28	29.84	36.71	6.83	34.78
PK	4.8714G	44.31	74.00	-29.69	3.75	3	Vertical	275	1.11	40.56	32.69	5.71	34.65
PK	7.31047G	46.22	74.00	-27.78	8.78	3	Vertical	206	1.28	37.44	36.74	6.82	34.78

802.11ax HEW20\_Nss2,(MCS0)\_2TX

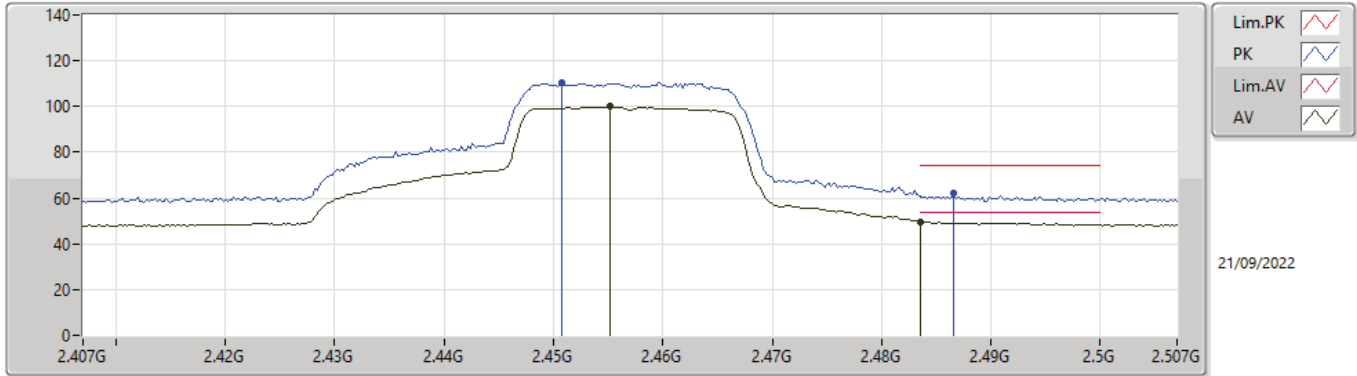
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87459G	34.80	54.00	-19.20	3.76	3	Horizontal	178	2.53	31.04	32.70	5.71	34.65
AV	7.31505G	38.94	54.00	-15.06	8.75	3	Horizontal	149	2.25	30.19	36.71	6.82	34.78
PK	4.87349G	44.13	74.00	-29.87	3.75	3	Horizontal	178	2.53	40.38	32.69	5.71	34.65
PK	7.30681G	47.78	74.00	-26.22	8.80	3	Horizontal	149	2.25	38.98	36.76	6.82	34.78

802.11ax HEW20\_Nss2,(MCS0)\_2TX

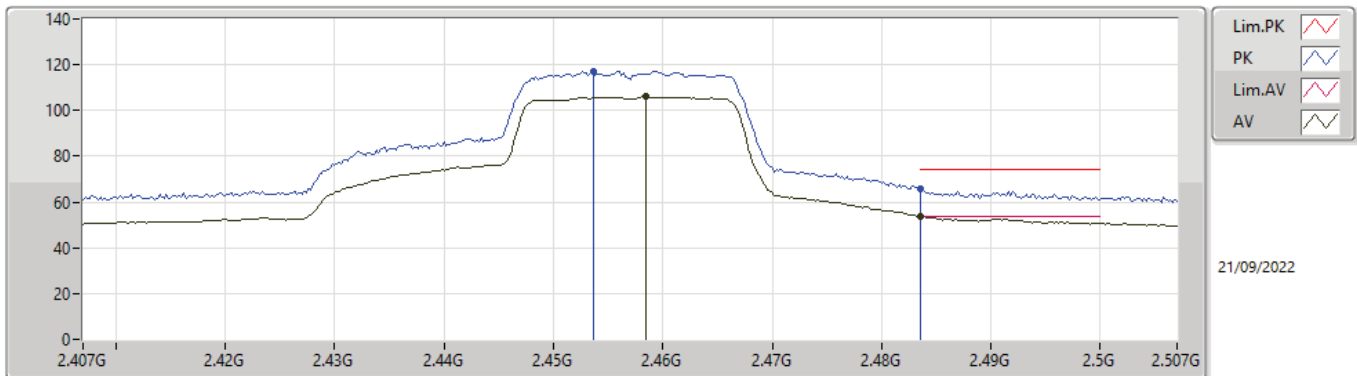
2457MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4552G	99.96	Inf	-Inf	31.83	3	Vertical	243	2.70	68.13	27.63	4.20	-
AV	2.4835G	49.70	54.00	-4.30	32.02	3	Vertical	243	2.70	17.68	27.80	4.22	-
PK	2.4508G	110.53	Inf	-Inf	31.80	3	Vertical	243	2.70	78.73	27.60	4.20	-
PK	2.4866G	61.86	74.00	-12.14	32.04	3	Vertical	243	2.70	29.82	27.82	4.22	-

802.11ax HEW20\_Nss2,(MCS0)\_2TX

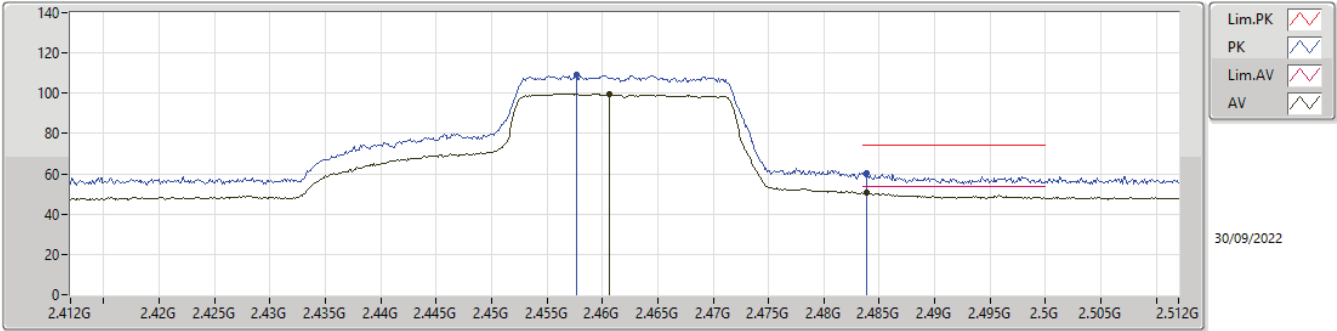
2457MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4584G	105.92	Inf	-Inf	31.86	3	Horizontal	58	2.26	74.06	27.65	4.21	-
AV	2.4835G	53.80	54.00	-0.20	32.02	3	Horizontal	58	2.26	21.78	27.80	4.22	-
PK	2.4536G	117.36	Inf	-Inf	31.82	3	Horizontal	58	2.26	85.54	27.62	4.20	-
PK	2.4835G	65.89	74.00	-8.11	32.02	3	Horizontal	58	2.26	33.87	27.80	4.22	-

2.4-2.4835GHz\_802.11ax HEW20\_Nss2,(MCS0)\_2TX

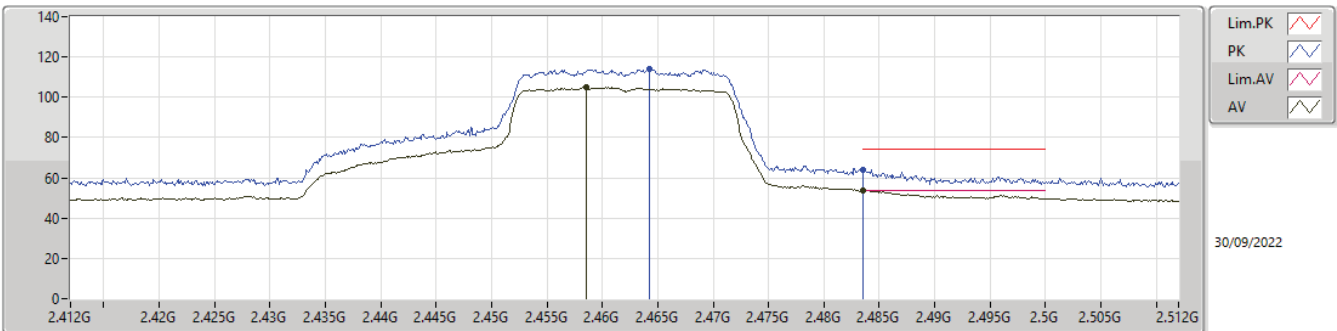
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4606G	99.82	Inf	-Inf	31.87	3	Vertical	240	2.06	67.95	27.66	4.21	-
AV	2.4838G	50.59	54.00	-3.41	32.02	3	Vertical	240	2.06	18.57	27.80	4.22	-
PK	2.4577G	108.94	Inf	-Inf	31.85	3	Vertical	240	2.06	77.09	27.65	4.20	-
PK	2.4839G	60.45	74.00	-13.55	32.02	3	Vertical	240	2.06	28.43	27.80	4.22	-

2.4-2.4835GHz\_802.11ax HEW20\_Nss2,(MCS0)\_2TX

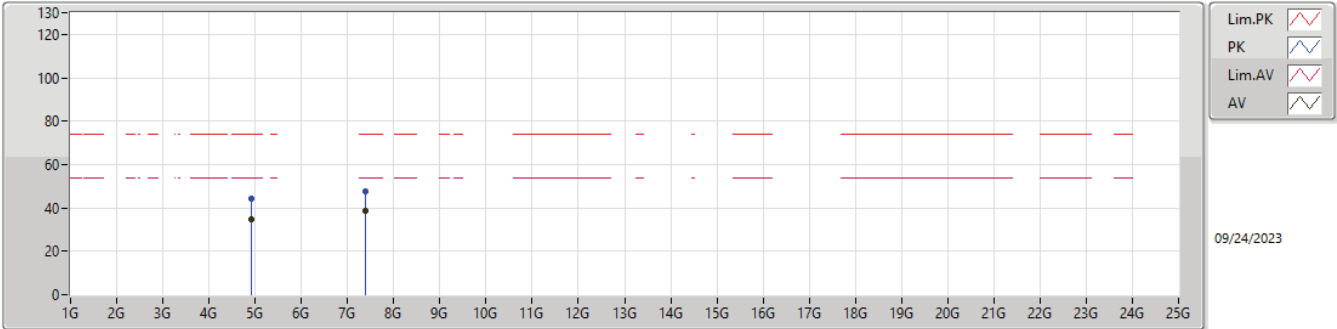
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4585G	104.97	Inf	-Inf	31.86	3	Horizontal	57	2.26	73.11	27.65	4.21	-
AV	2.4835G	53.89	54.00	-0.11	32.02	3	Horizontal	57	2.26	21.87	27.80	4.22	-
PK	2.4642G	114.19	Inf	-Inf	31.90	3	Horizontal	57	2.26	82.29	27.69	4.21	-
PK	2.4835G	64.03	74.00	-9.97	32.02	3	Horizontal	57	2.26	32.01	27.80	4.22	-

2.4-2.4835GHz\_802.11ax HEW20\_Nss2,(MCS0)\_2TX

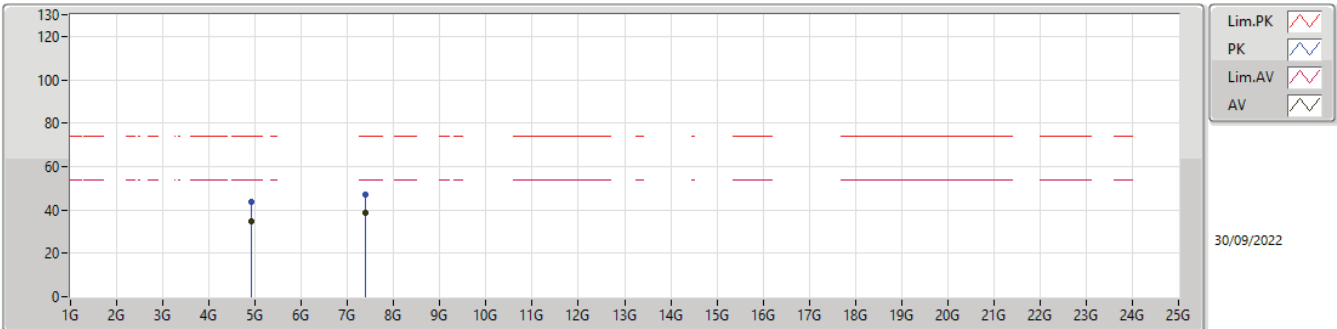
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92098G	34.84	54.00	-19.16	3.97	3	Vertical	273	1.72	30.87	32.88	5.74	34.65
AV	7.38909G	38.71	54.00	-15.29	8.42	3	Vertical	244	1.58	30.29	36.34	6.87	34.79
PK	4.91903G	44.10	74.00	-29.90	3.97	3	Vertical	273	1.72	40.13	32.88	5.74	34.65
PK	7.38624G	47.35	74.00	-26.65	8.44	3	Vertical	244	1.58	38.91	36.36	6.87	34.79

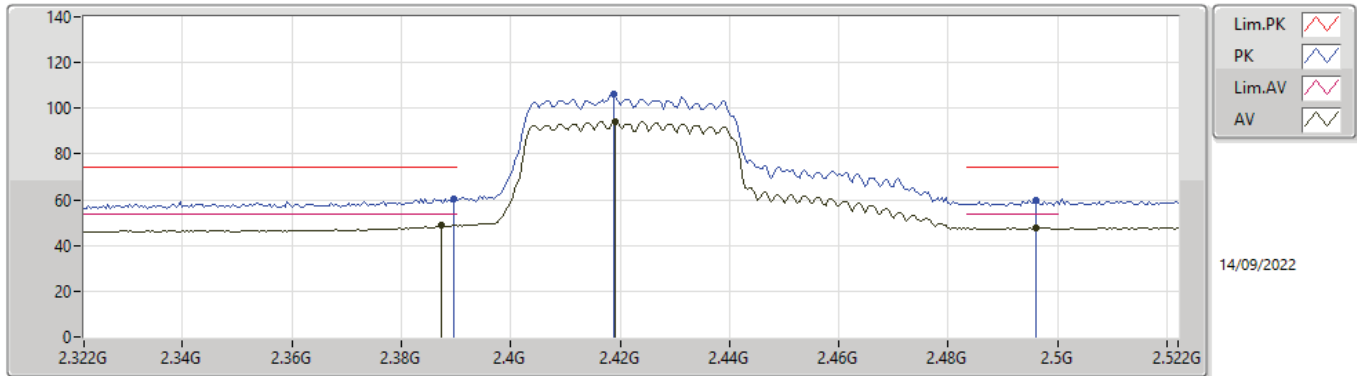
2.4-2.4835GHz\_802.11ax HEW20\_Nss2,(MCS0)\_2TX

2462MHz\_TX



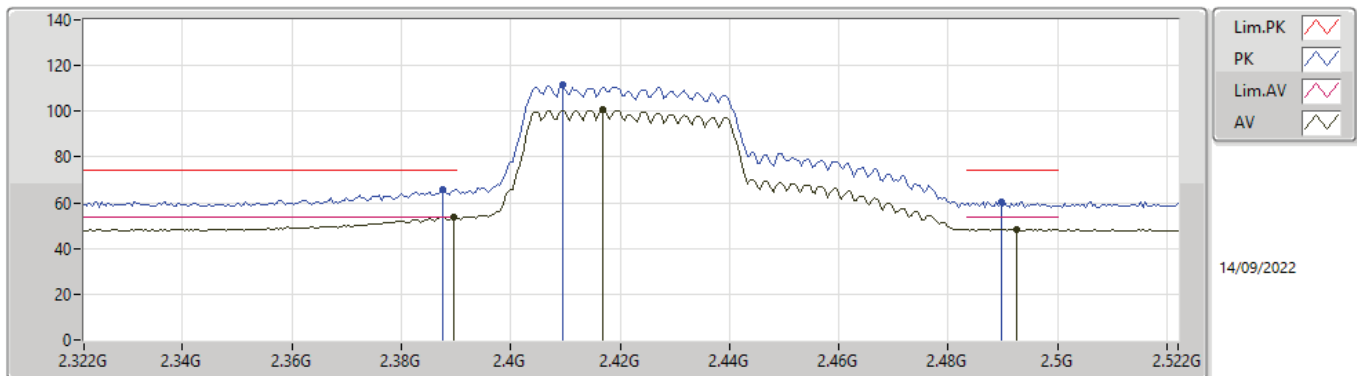
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92516G	34.70	54.00	-19.30	4.00	3	Vertical	1.76	1.14	30.70	32.90	5.75	34.65
AV	7.39098G	38.46	54.00	-15.54	8.42	3	Vertical	16	2.99	30.04	36.34	6.87	34.79
PK	4.92502G	43.81	74.00	-30.19	4.00	3	Vertical	1.76	1.14	39.81	32.90	5.75	34.65
PK	7.38217G	46.90	74.00	-27.10	8.45	3	Vertical	16	2.99	38.45	36.37	6.87	34.79

**802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2422MHz\_TX**



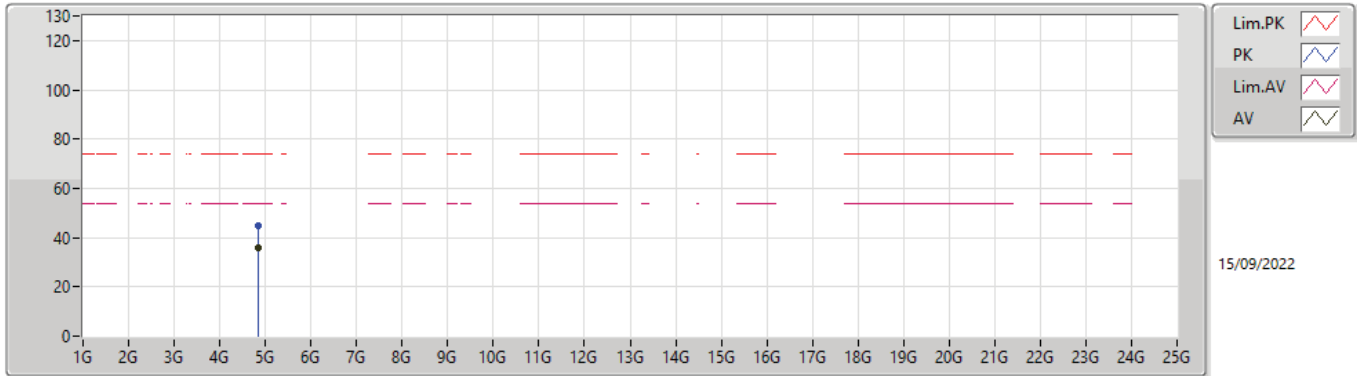
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3872G	48.80	54.00	-5.20	31.58	3	Vertical	250	2.19	17.22	27.42	4.16	-
AV	2.4192G	94.07	Inf	-Inf	31.72	3	Vertical	250	2.19	62.35	27.54	4.18	-
AV	2.496G	47.92	54.00	-6.08	32.11	3	Vertical	250	2.19	15.81	27.88	4.23	-
PK	2.3896G	60.52	74.00	-13.48	31.60	3	Vertical	250	2.19	28.92	27.44	4.16	-
PK	2.4188G	106.23	Inf	-Inf	31.72	3	Vertical	250	2.19	74.51	27.54	4.18	-
PK	2.496G	59.99	74.00	-14.01	32.11	3	Vertical	250	2.19	27.88	27.88	4.23	-

**802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2422MHz\_TX**



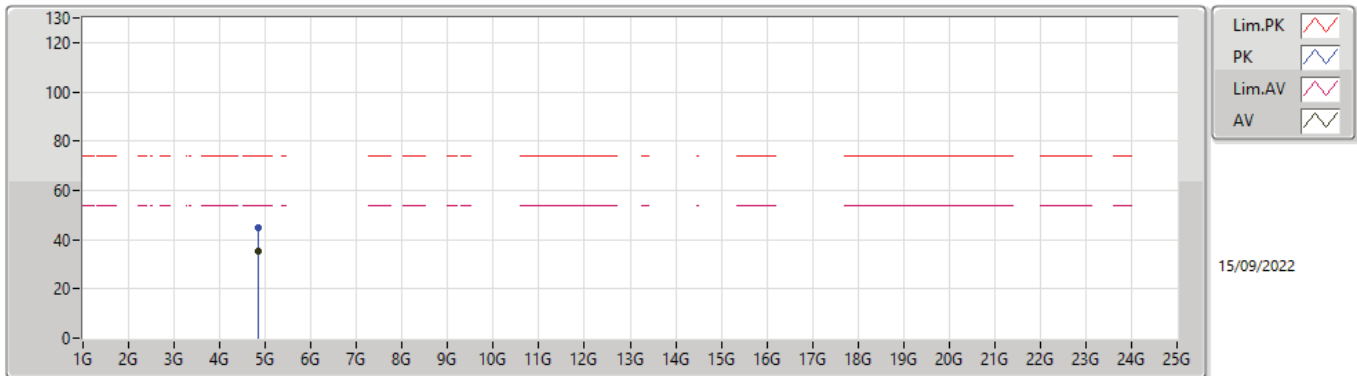
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	53.70	54.00	-0.30	31.60	3	Horizontal	60	2.38	22.10	27.44	4.16	-
AV	2.4168G	100.50	Inf	-Inf	31.71	3	Horizontal	60	2.38	68.79	27.53	4.18	-
AV	2.4924G	48.51	54.00	-5.49	32.08	3	Horizontal	60	2.38	16.43	27.85	4.23	-
PK	2.3876G	66.00	74.00	-8.00	31.59	3	Horizontal	60	2.38	34.41	27.43	4.16	-
PK	2.4096G	111.54	Inf	-Inf	31.70	3	Horizontal	60	2.38	79.84	27.52	4.18	-
PK	2.4896G	60.61	74.00	-13.39	32.06	3	Horizontal	60	2.38	28.55	27.84	4.22	-

**802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2422MHz\_TX**



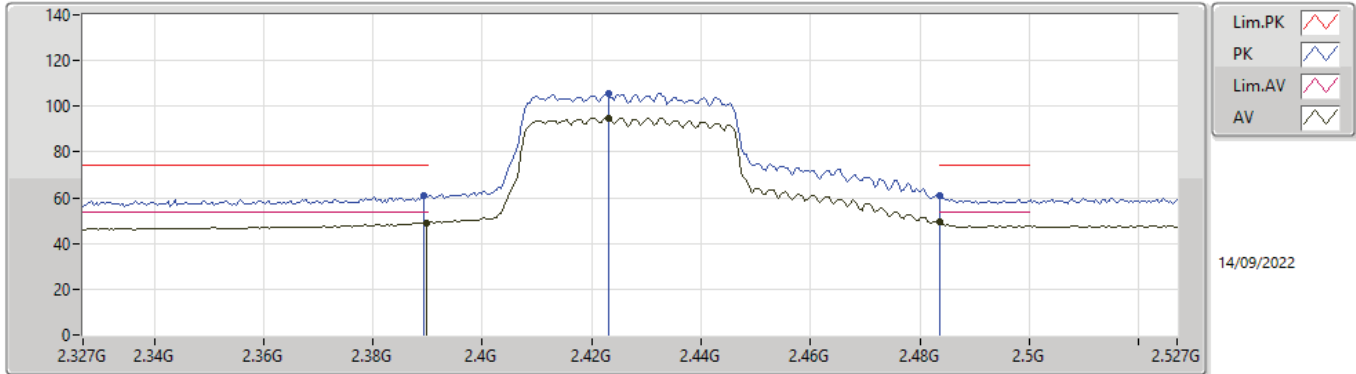
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.84256G	35.77	54.00	-18.23	3.61	3	Vertical	285	1.84	32.16	32.56	5.70	34.65
PK	4.84432G	45.02	74.00	-28.98	3.62	3	Vertical	285	1.84	41.40	32.57	5.70	34.65

**802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2422MHz\_TX**



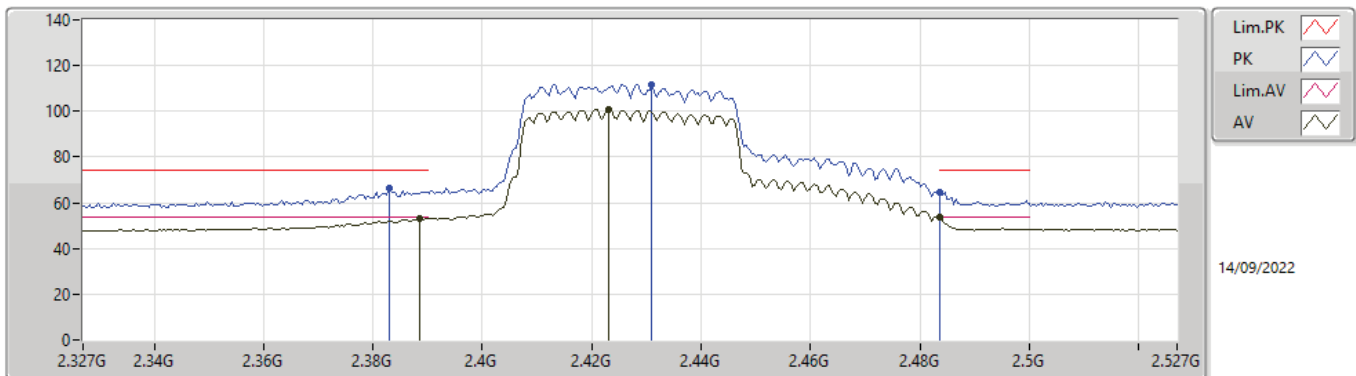
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.84306G	35.18	54.00	-18.82	3.61	3	Horizontal	352	2.69	31.57	32.56	5.70	34.65
PK	4.84393G	44.84	74.00	-29.16	3.61	3	Horizontal	352	2.69	41.23	32.56	5.70	34.65

**802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2427MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	48.90	54.00	-5.10	31.60	3	Vertical	96	3.00	17.30	27.44	4.16	-
AV	2.423G	94.95	Inf	-Inf	31.73	3	Vertical	96	3.00	63.22	27.55	4.18	-
AV	2.4835G	49.69	54.00	-4.31	32.02	3	Vertical	96	3.00	17.67	27.80	4.22	-
PK	2.3894G	61.09	74.00	-12.91	31.60	3	Vertical	96	3.00	29.49	27.44	4.16	-
PK	2.423G	105.59	Inf	-Inf	31.73	3	Vertical	96	3.00	73.86	27.55	4.18	-
PK	2.4835G	60.94	74.00	-13.06	32.02	3	Vertical	96	3.00	28.92	27.80	4.22	-

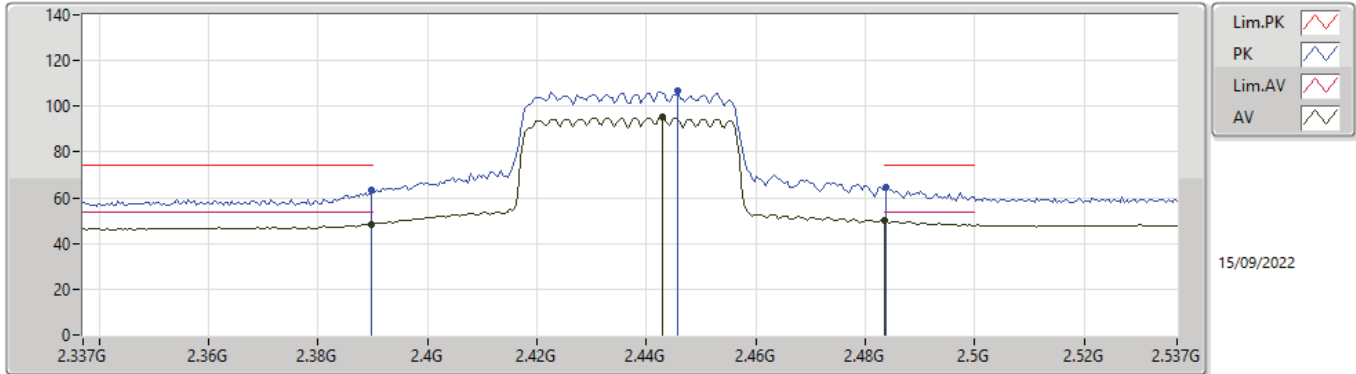
**802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2427MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3886G	53.22	54.00	-0.78	31.59	3	Horizontal	58	2.09	21.63	27.43	4.16	-
AV	2.423G	100.50	Inf	-Inf	31.73	3	Horizontal	58	2.09	68.77	27.55	4.18	-
AV	2.4835G	53.77	54.00	-0.23	32.02	3	Horizontal	58	2.09	21.75	27.80	4.22	-
PK	2.383G	66.42	74.00	-7.58	31.55	3	Horizontal	58	2.09	34.87	27.40	4.15	-
PK	2.431G	111.88	Inf	-Inf	31.75	3	Horizontal	58	2.09	80.13	27.56	4.19	-
PK	2.4835G	64.79	74.00	-9.21	32.02	3	Horizontal	58	2.09	32.77	27.80	4.22	-

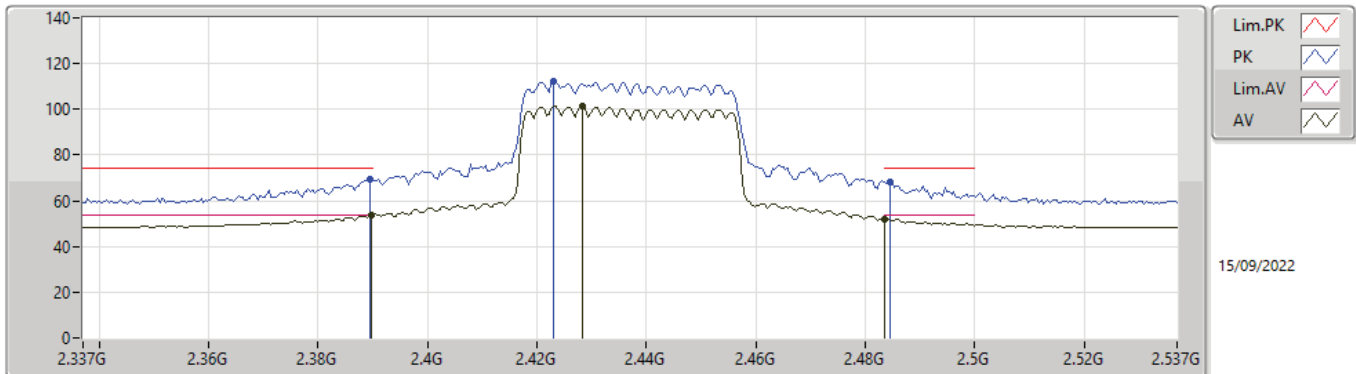


**802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2437MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	48.37	54.00	-5.63	31.60	3	Vertical	245	2.13	16.77	27.44	4.16	-
AV	2.443G	95.32	Inf	-Inf	31.79	3	Vertical	245	2.13	63.53	27.59	4.20	-
AV	2.4835G	50.19	54.00	-3.81	32.02	3	Vertical	245	2.13	18.17	27.80	4.22	-
PK	2.3898G	63.11	74.00	-10.89	31.60	3	Vertical	245	2.13	31.51	27.44	4.16	-
PK	2.4458G	106.65	Inf	-Inf	31.79	3	Vertical	245	2.13	74.86	27.59	4.20	-
PK	2.4838G	64.84	74.00	-9.16	32.02	3	Vertical	245	2.13	32.82	27.80	4.22	-

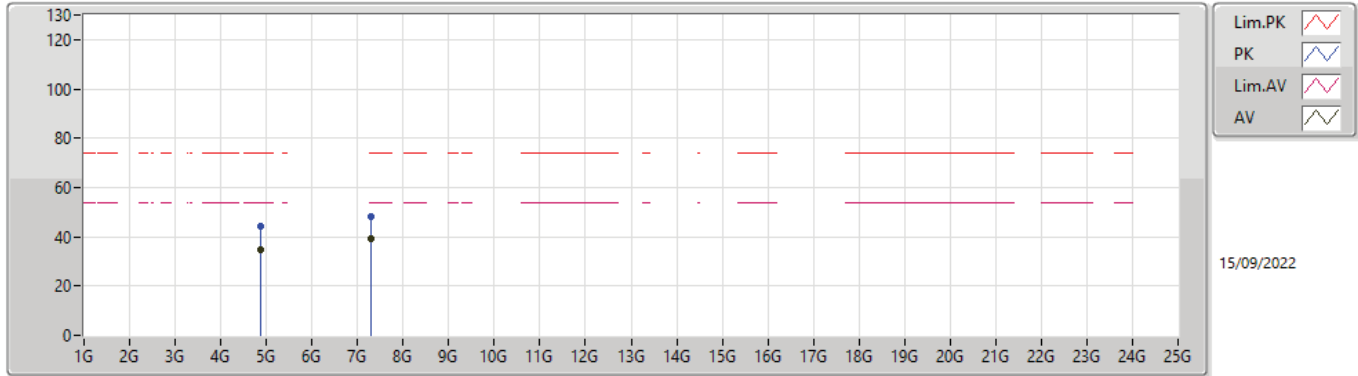
**802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2437MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.61	54.00	-0.39	31.60	3	Horizontal	55	2.09	22.01	27.44	4.16	-
AV	2.4282G	101.24	Inf	-Inf	31.75	3	Horizontal	55	2.09	69.49	27.56	4.19	-
AV	2.4835G	52.10	54.00	-1.90	32.02	3	Horizontal	55	2.09	20.08	27.80	4.22	-
PK	2.3894G	69.52	74.00	-4.48	31.60	3	Horizontal	55	2.09	37.92	27.44	4.16	-
PK	2.423G	112.08	Inf	-Inf	31.73	3	Horizontal	55	2.09	80.35	27.55	4.18	-
PK	2.4846G	68.35	74.00	-5.65	32.03	3	Horizontal	55	2.09	36.32	27.81	4.22	-

802.11ax HEW40\_Nss1,(MCS0)\_2TX

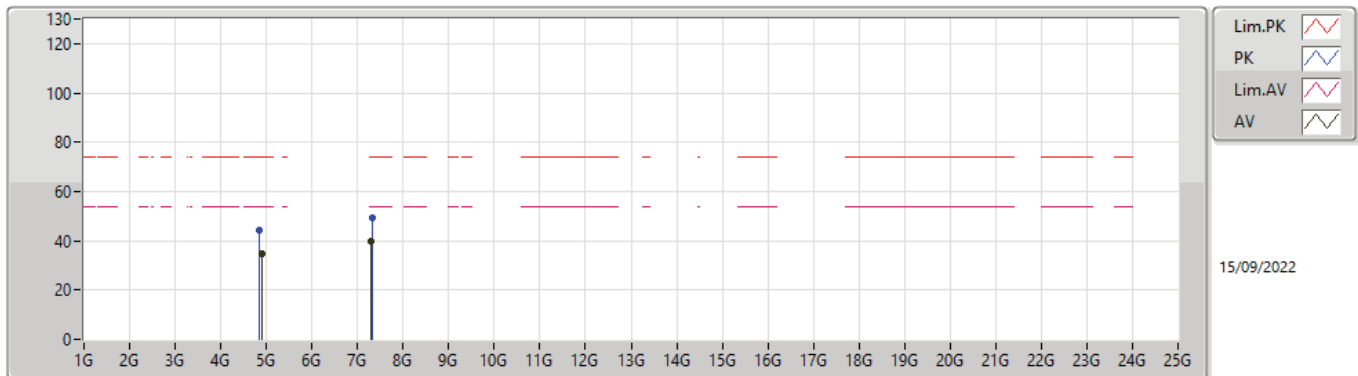
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8809G	34.96	54.00	-19.04	3.79	3	Vertical	274	1.50	31.17	32.72	5.72	34.65
AV	7.30854G	39.41	54.00	-14.59	8.79	3	Vertical	199	1.50	30.62	36.75	6.82	34.78
PK	4.86968G	44.22	74.00	-29.78	3.74	3	Vertical	274	1.50	40.48	32.68	5.71	34.65
PK	7.30896G	48.24	74.00	-25.76	8.79	3	Vertical	199	1.50	39.45	36.75	6.82	34.78

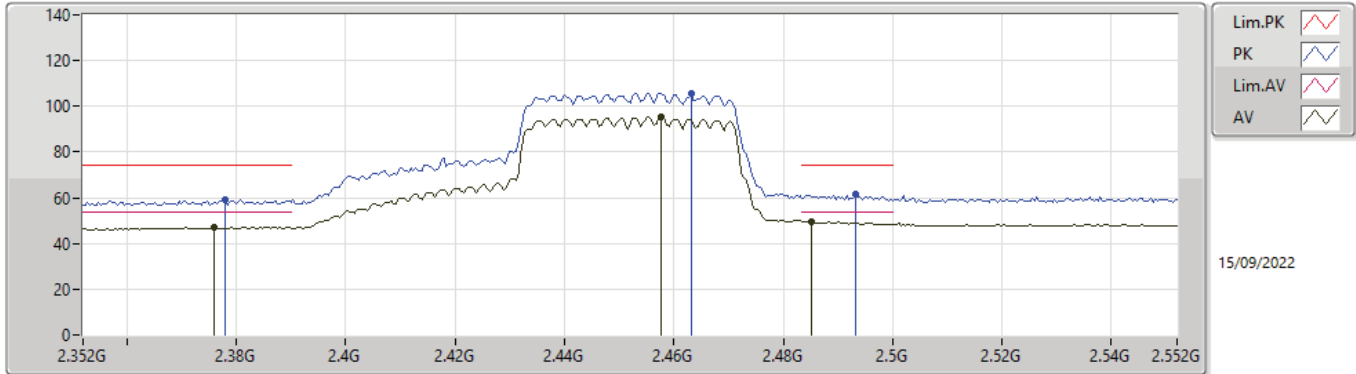
802.11ax HEW40\_Nss1,(MCS0)\_2TX

2437MHz\_TX



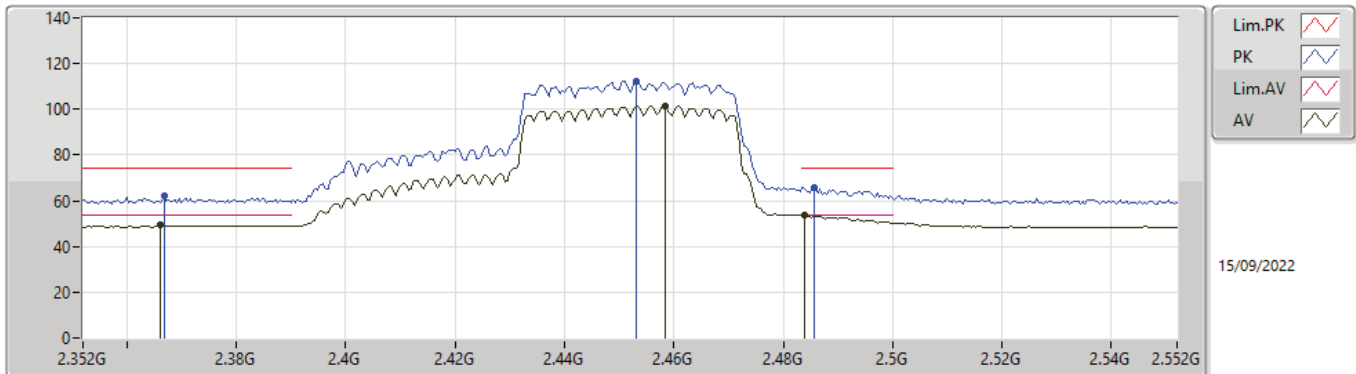
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.89512G	34.92	54.00	-19.08	3.86	3	Horizontal	76	1.65	31.06	32.78	5.73	34.65
AV	7.29216G	39.74	54.00	-14.26	8.83	3	Horizontal	331	1.54	30.91	36.80	6.81	34.78
PK	4.84838G	44.53	74.00	-29.47	3.64	3	Horizontal	76	1.65	40.89	32.59	5.70	34.65
PK	7.32516G	49.42	74.00	-24.58	8.70	3	Horizontal	331	1.54	40.72	36.65	6.83	34.78

**802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2452MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.376G	47.04	54.00	-6.96	31.51	3	Vertical	246	1.89	15.53	27.36	4.15	-
AV	2.4576G	95.41	Inf	-Inf	31.85	3	Vertical	246	1.89	63.56	27.65	4.20	-
AV	2.4852G	49.61	54.00	-4.39	32.03	3	Vertical	246	1.89	17.58	27.81	4.22	-
PK	2.378G	58.93	74.00	-15.07	31.52	3	Vertical	246	1.89	27.41	27.37	4.15	-
PK	2.4632G	105.66	Inf	-Inf	31.89	3	Vertical	246	1.89	73.77	27.68	4.21	-
PK	2.4932G	61.50	74.00	-12.50	32.09	3	Vertical	246	1.89	29.41	27.86	4.23	-

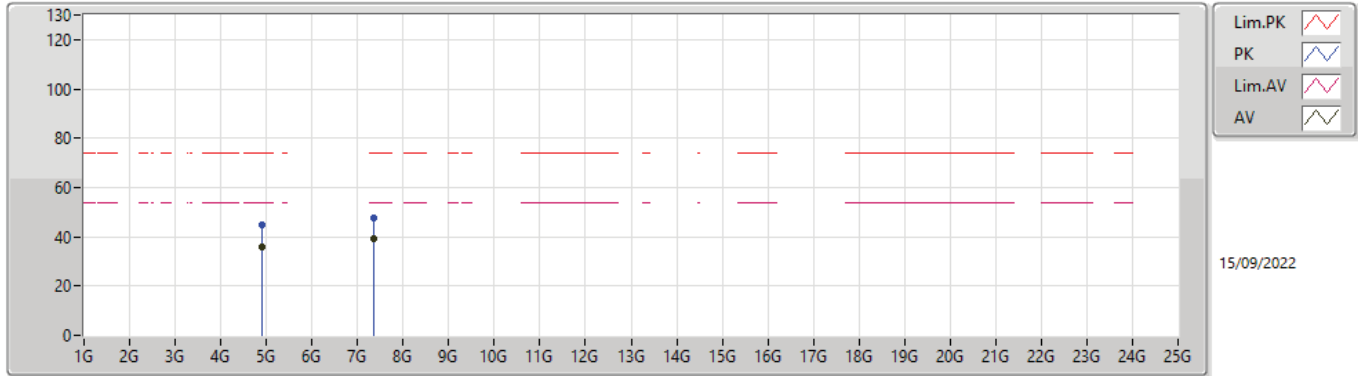
**802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2452MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.366G	49.22	54.00	-4.78	31.44	3	Horizontal	60	2.24	17.78	27.30	4.14	-
AV	2.4584G	101.41	Inf	-Inf	31.86	3	Horizontal	60	2.24	69.55	27.65	4.21	-
AV	2.484G	53.76	54.00	-0.24	32.02	3	Horizontal	60	2.24	21.74	27.80	4.22	-
PK	2.3668G	62.07	74.00	-11.93	31.44	3	Horizontal	60	2.24	30.63	27.30	4.14	-
PK	2.4532G	112.50	Inf	-Inf	31.82	3	Horizontal	60	2.24	80.68	27.62	4.20	-
PK	2.4856G	66.07	74.00	-7.93	32.03	3	Horizontal	60	2.24	34.04	27.81	4.22	-

802.11ax HEW40\_Nss1,(MCS0)\_2TX

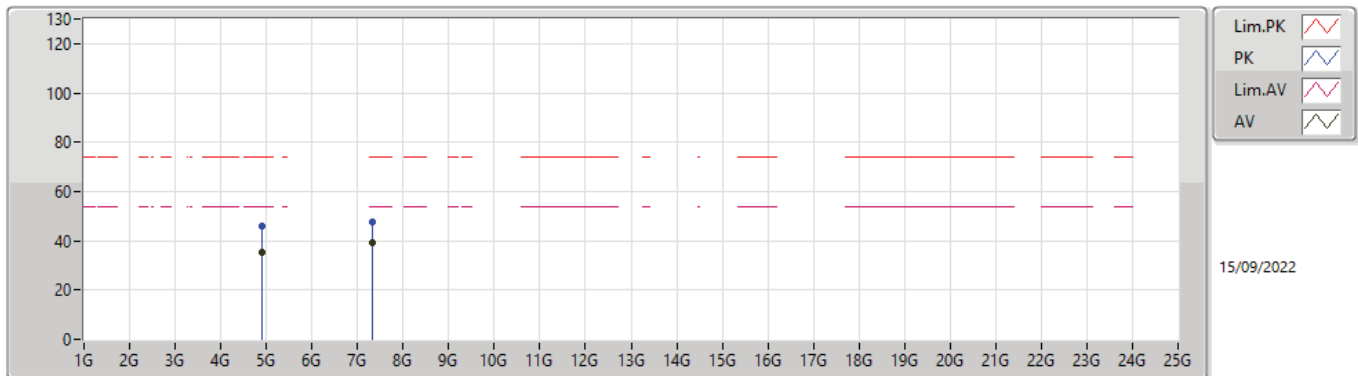
2452MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.90592G	35.63	54.00	-18.37	3.90	3	Vertical	182	1.00	31.73	32.82	5.73	34.65
AV	7.36746G	39.24	54.00	-14.76	8.51	3	Vertical	278	1.50	30.73	36.43	6.86	34.78
PK	4.9145G	44.95	74.00	-29.05	3.95	3	Vertical	182	1.00	41.00	32.86	5.74	34.65
PK	7.36224G	47.69	74.00	-26.31	8.53	3	Vertical	278	1.50	39.16	36.45	6.86	34.78

802.11ax HEW40\_Nss1,(MCS0)\_2TX

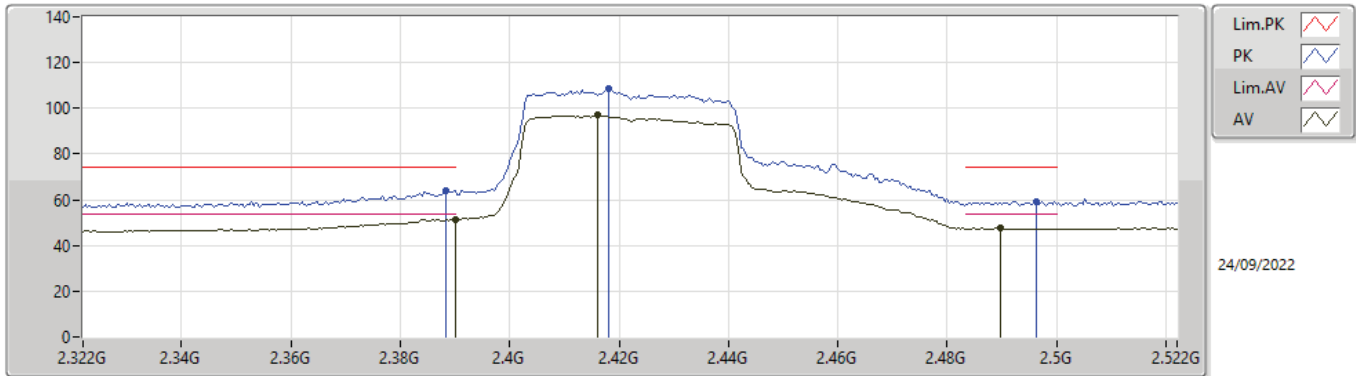
2452MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.90982G	35.58	54.00	-18.42	3.93	3	Horizontal	168	1.50	31.65	32.84	5.74	34.65
AV	7.3326G	39.19	54.00	-14.81	8.66	3	Horizontal	55	1.50	30.53	36.60	6.84	34.78
PK	4.9034G	46.02	74.00	-27.98	3.89	3	Horizontal	168	1.50	42.13	32.81	5.73	34.65
PK	7.33464G	47.84	74.00	-26.16	8.65	3	Horizontal	55	1.50	39.19	36.59	6.84	34.78

802.11ax HEW40\_Nss2,(MCS0)\_2TX

2422MHz\_TX

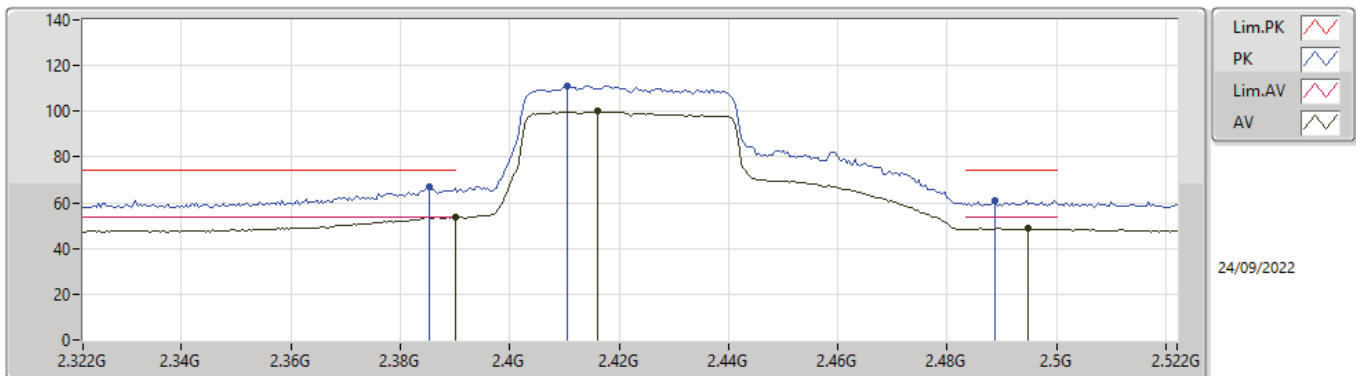


24/09/2022

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	51.49	54.00	-2.51	31.60	3	Vertical	81	2.73	19.89	27.44	4.16	-
AV	2.416G	97.11	Inf	-Inf	31.71	3	Vertical	81	2.73	65.40	27.53	4.18	-
AV	2.4896G	47.56	54.00	-6.44	32.06	3	Vertical	81	2.73	15.50	27.84	4.22	-
PK	2.3884G	64.07	74.00	-9.93	31.59	3	Vertical	81	2.73	32.48	27.43	4.16	-
PK	2.418G	108.79	Inf	-Inf	31.72	3	Vertical	81	2.73	77.07	27.54	4.18	-
PK	2.4964G	59.36	74.00	-14.64	32.11	3	Vertical	81	2.73	27.25	27.88	4.23	-

802.11ax HEW40\_Nss2,(MCS0)\_2TX

2422MHz\_TX

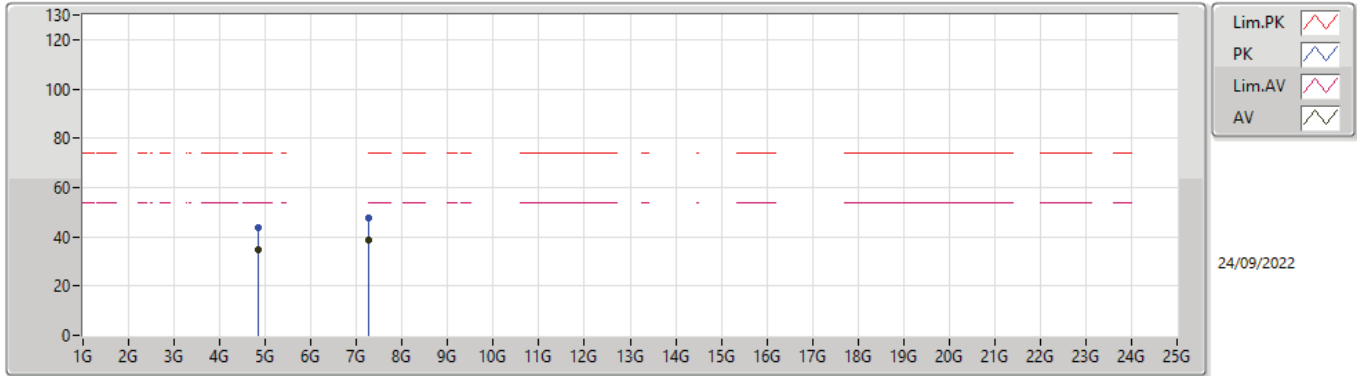


24/09/2022

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.65	54.00	-0.35	31.60	3	Horizontal	305	2.29	22.05	27.44	4.16	-
AV	2.416G	100.02	Inf	-Inf	31.71	3	Horizontal	305	2.29	68.31	27.53	4.18	-
AV	2.4948G	48.75	54.00	-5.25	32.10	3	Horizontal	305	2.29	16.65	27.87	4.23	-
PK	2.3852G	66.91	74.00	-7.09	31.57	3	Horizontal	305	2.29	35.34	27.41	4.16	-
PK	2.4104G	111.10	Inf	-Inf	31.70	3	Horizontal	305	2.29	79.40	27.52	4.18	-
PK	2.4888G	61.04	74.00	-12.96	32.05	3	Horizontal	305	2.29	28.99	27.83	4.22	-

802.11ax HEW40\_Nss2,(MCS0)\_2TX

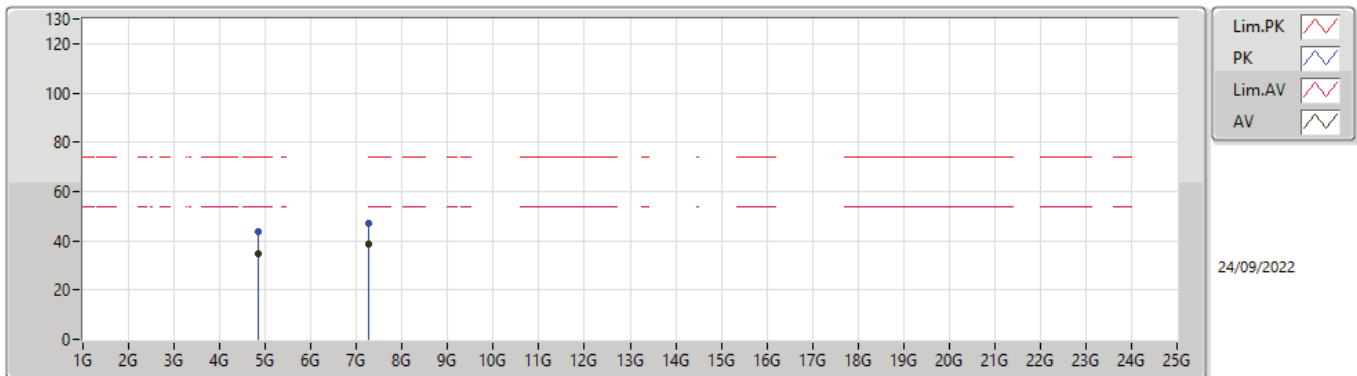
2422MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.84238G	34.75	54.00	-19.25	3.60	3	Vertical	165	1.05	31.15	32.55	5.70	34.65
AV	7.26808G	38.87	54.00	-15.13	8.82	3	Vertical	121	2.68	30.05	36.80	6.79	34.77
PK	4.83908G	43.93	74.00	-30.07	3.57	3	Vertical	165	1.05	40.36	32.53	5.69	34.65
PK	7.2647G	47.83	74.00	-26.17	8.82	3	Vertical	121	2.68	39.01	36.80	6.79	34.77

802.11ax HEW40\_Nss2,(MCS0)\_2TX

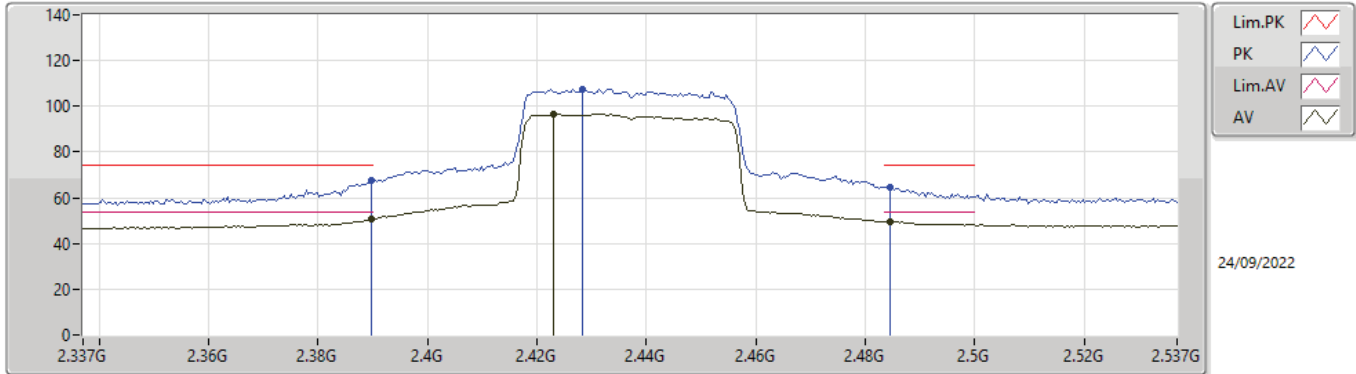
2422MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.84077G	34.80	54.00	-19.20	3.58	3	Horizontal	20	2.04	31.22	32.54	5.69	34.65
AV	7.26139G	38.79	54.00	-15.21	8.82	3	Horizontal	274	2.38	29.97	36.80	6.79	34.77
PK	4.8407G	43.79	74.00	-30.21	3.58	3	Horizontal	20	2.04	40.21	32.54	5.69	34.65
PK	7.2667G	46.96	74.00	-27.04	8.82	3	Horizontal	274	2.38	38.14	36.80	6.79	34.77

802.11ax HEW40\_Nss2,(MCS0)\_2TX

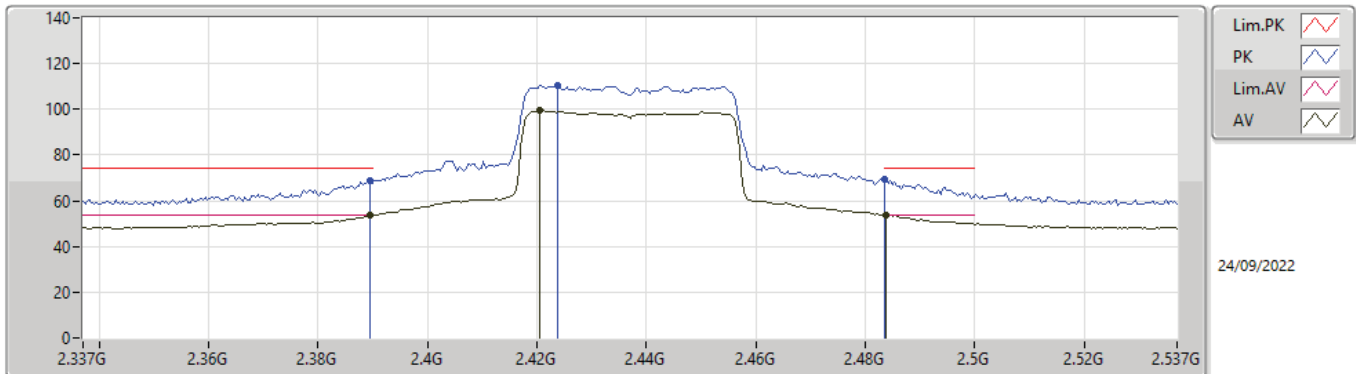
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	50.88	54.00	-3.12	31.60	3	Vertical	100	3.00	19.28	27.44	4.16	-
AV	2.423G	96.58	Inf	-Inf	31.73	3	Vertical	100	3.00	64.85	27.55	4.18	-
AV	2.4846G	49.53	54.00	-4.47	32.03	3	Vertical	100	3.00	17.50	27.81	4.22	-
PK	2.3898G	67.57	74.00	-6.43	31.60	3	Vertical	100	3.00	35.97	27.44	4.16	-
PK	2.4282G	107.71	Inf	-Inf	31.75	3	Vertical	100	3.00	75.96	27.56	4.19	-
PK	2.4846G	64.84	74.00	-9.16	32.03	3	Vertical	100	3.00	32.81	27.81	4.22	-

802.11ax HEW40\_Nss2,(MCS0)\_2TX

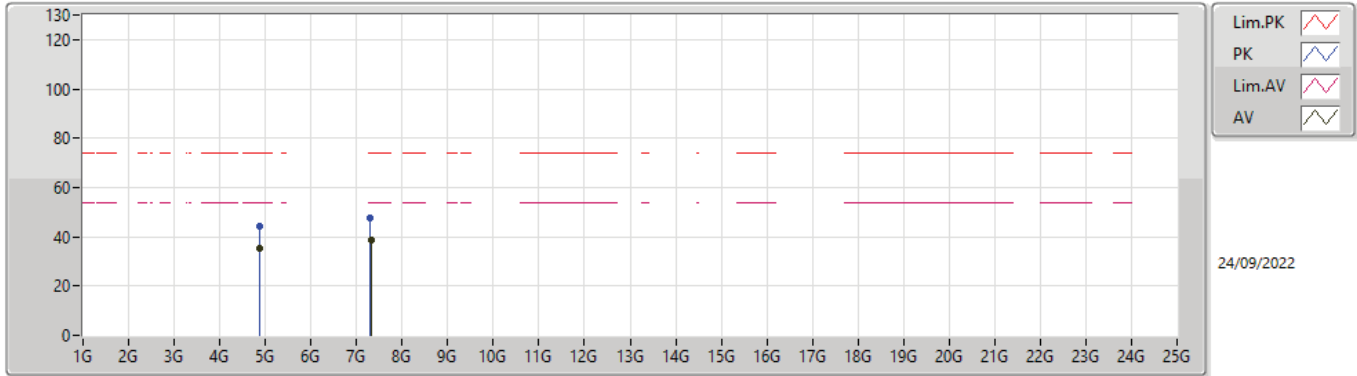
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	53.66	54.00	-0.34	31.60	3	Horizontal	55	2.38	22.06	27.44	4.16	-
AV	2.4206G	99.46	Inf	-Inf	31.72	3	Horizontal	55	2.38	67.74	27.54	4.18	-
AV	2.4838G	53.63	54.00	-0.37	32.02	3	Horizontal	55	2.38	21.61	27.80	4.22	-
PK	2.3894G	68.75	74.00	-5.25	31.60	3	Horizontal	55	2.38	37.15	27.44	4.16	-
PK	2.4238G	110.63	Inf	-Inf	31.73	3	Horizontal	55	2.38	78.90	27.55	4.18	-
PK	2.4835G	69.40	74.00	-4.60	32.02	3	Horizontal	55	2.38	37.38	27.80	4.22	-

802.11ax HEW40\_Nss2,(MCS0)\_2TX

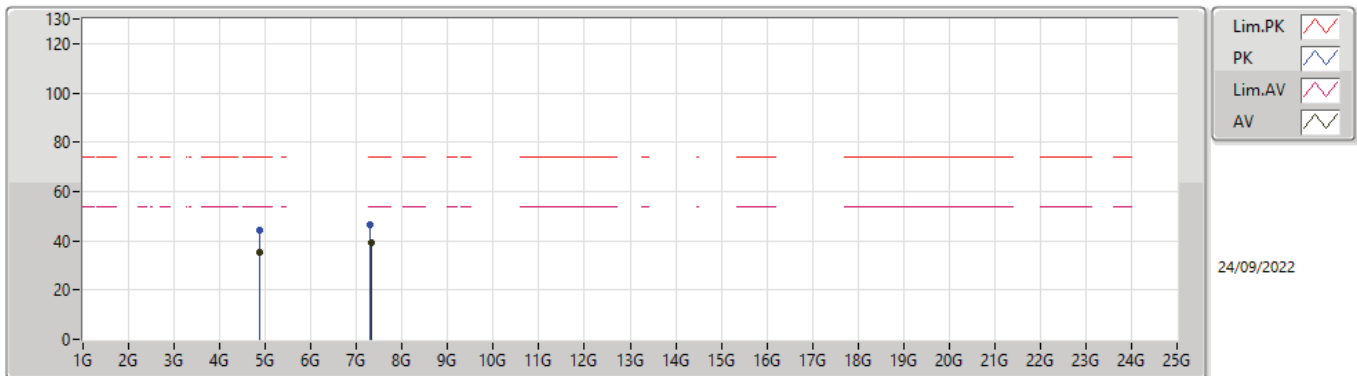
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8779G	35.07	54.00	-18.93	3.78	3	Vertical	191	2.35	31.29	32.71	5.72	34.65
AV	7.3117G	38.86	54.00	-15.14	8.77	3	Vertical	18	1.49	30.09	36.73	6.82	34.78
PK	4.87158G	44.31	74.00	-29.69	3.75	3	Vertical	191	2.35	40.56	32.69	5.71	34.65
PK	7.30901G	47.47	74.00	-26.53	8.79	3	Vertical	18	1.49	38.68	36.75	6.82	34.78

802.11ax HEW40\_Nss2,(MCS0)\_2TX

2437MHz\_TX

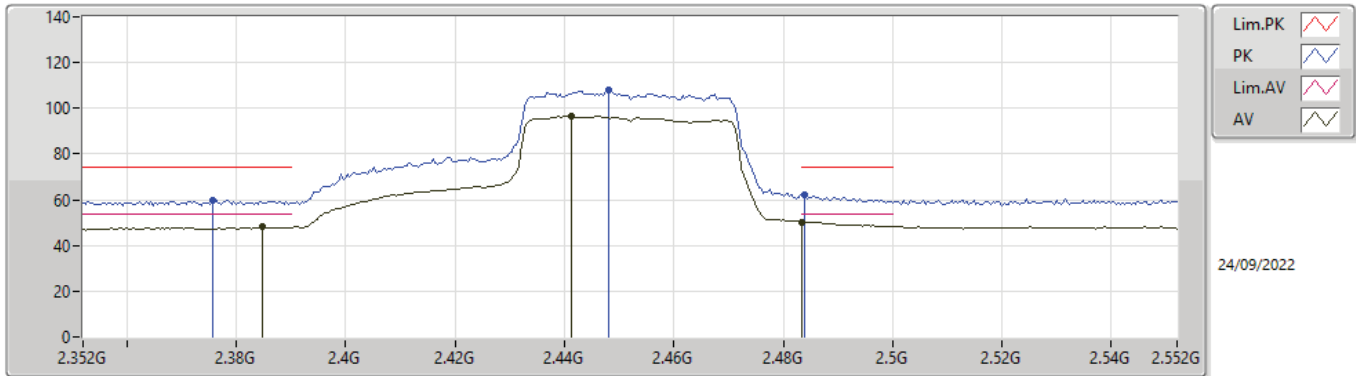


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87221G	35.15	54.00	-18.85	3.75	3	Horizontal	81	1.22	31.40	32.69	5.71	34.65
AV	7.31304G	39.05	54.00	-14.95	8.76	3	Horizontal	47	2.82	30.29	36.72	6.82	34.78
PK	4.87434G	44.10	74.00	-29.90	3.76	3	Horizontal	81	1.22	40.34	32.70	5.71	34.65
PK	7.30783G	46.65	74.00	-27.35	8.79	3	Horizontal	47	2.82	37.86	36.75	6.82	34.78



802.11ax HEW40\_Nss2,(MCS0)\_2TX

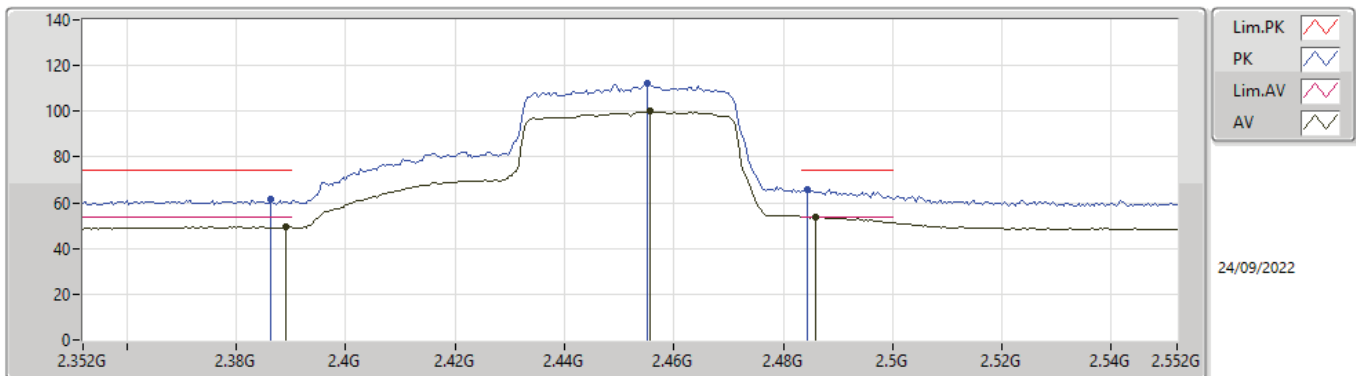
2452MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3848G	48.19	54.00	-5.81	31.57	3	Vertical	97	2.67	16.62	27.41	4.16	-
AV	2.4412G	96.44	Inf	-Inf	31.77	3	Vertical	97	2.67	64.67	27.58	4.19	-
AV	2.4835G	50.37	54.00	-3.63	32.02	3	Vertical	97	2.67	18.35	27.80	4.22	-
PK	2.3756G	59.62	74.00	-14.38	31.50	3	Vertical	97	2.67	28.12	27.35	4.15	-
PK	2.448G	108.06	Inf	-Inf	31.80	3	Vertical	97	2.67	76.26	27.60	4.20	-
PK	2.484G	61.93	74.00	-12.07	32.02	3	Vertical	97	2.67	29.91	27.80	4.22	-

802.11ax HEW40\_Nss2,(MCS0)\_2TX

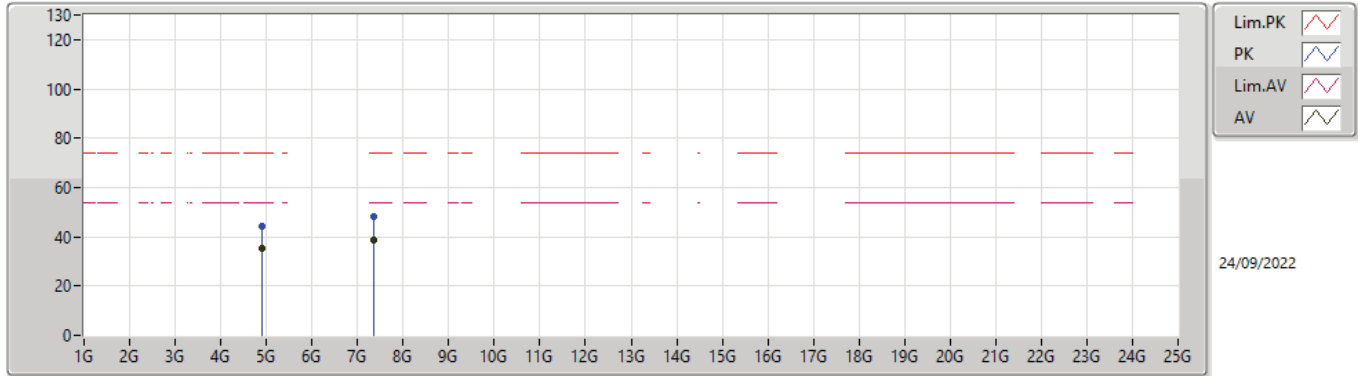
2452MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	49.59	54.00	-4.41	31.60	3	Horizontal	55	2.24	17.99	27.44	4.16	-
AV	2.4556G	100.06	Inf	-Inf	31.83	3	Horizontal	55	2.24	68.23	27.63	4.20	-
AV	2.486G	53.94	54.00	-0.06	32.04	3	Horizontal	55	2.24	21.90	27.82	4.22	-
PK	2.3864G	61.69	74.00	-12.31	31.58	3	Horizontal	55	2.24	30.11	27.42	4.16	-
PK	2.4552G	111.94	Inf	-Inf	31.83	3	Horizontal	55	2.24	80.11	27.63	4.20	-
PK	2.4844G	65.64	74.00	-8.36	32.03	3	Horizontal	55	2.24	33.61	27.81	4.22	-

### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

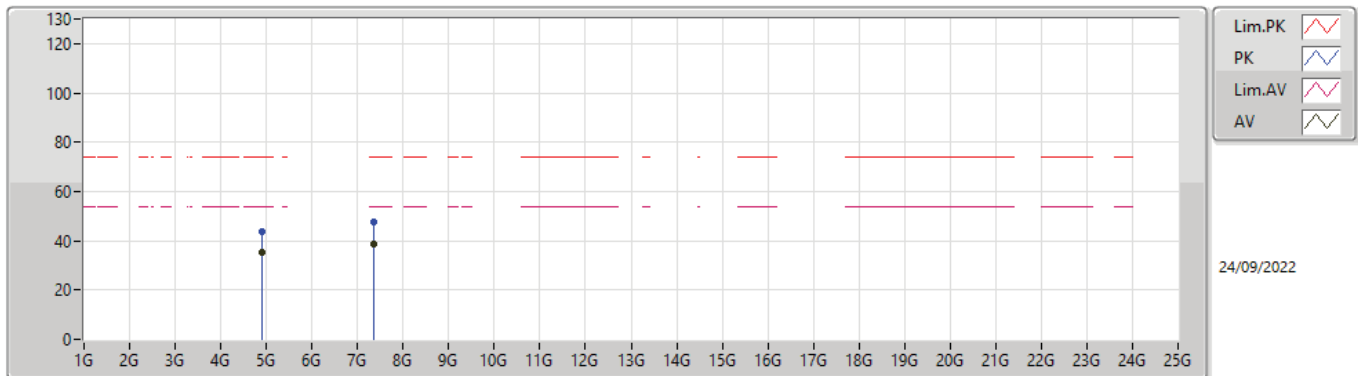
#### 2452MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.90739G	35.13	54.00	-18.87	3.91	3	Vertical	206	2.65	31.22	32.83	5.73	34.65
AV	7.35156G	38.51	54.00	-15.49	8.56	3	Vertical	296	1.32	29.95	36.49	6.85	34.78
PK	4.89919G	44.54	74.00	-29.46	3.88	3	Vertical	206	2.65	40.66	32.80	5.73	34.65
PK	7.36019G	48.00	74.00	-26.00	8.53	3	Vertical	296	1.32	39.47	36.46	6.85	34.78

### 802.11ax HEW40\_Nss2,(MCS0)\_2TX

#### 2452MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.90743G	35.07	54.00	-18.93	3.91	3	Horizontal	123	2.95	31.16	32.83	5.73	34.65
AV	7.35645G	38.59	54.00	-15.41	8.54	3	Horizontal	188	1.10	30.05	36.47	6.85	34.78
PK	4.90309G	43.80	74.00	-30.20	3.89	3	Horizontal	123	2.95	39.91	32.81	5.73	34.65
PK	7.36055G	47.41	74.00	-26.59	8.53	3	Horizontal	188	1.10	38.88	36.46	6.85	34.78



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.90	54.00	-0.10	3	Horizontal	304	1.39
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.84	54.00	-0.16	3	Horizontal	316	2.47



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.61	54.00	-0.39	3	Vertical	88	1.54
2412MHz	Pass	AV	2.4048G	101.85	Inf	-Inf	3	Vertical	88	1.54
2412MHz	Pass	PK	2.3898G	64.10	74.00	-9.90	3	Vertical	88	1.54
2412MHz	Pass	PK	2.409G	113.09	Inf	-Inf	3	Vertical	88	1.54
2412MHz	Pass	AV	2.39G	51.47	54.00	-2.53	3	Horizontal	312	2.72
2412MHz	Pass	AV	2.4208G	104.86	Inf	-Inf	3	Horizontal	312	2.72
2412MHz	Pass	PK	2.3872G	63.09	74.00	-10.91	3	Horizontal	312	2.72
2412MHz	Pass	PK	2.4102G	114.28	Inf	-Inf	3	Horizontal	312	2.72
2412MHz	Pass	AV	4.83828G	35.29	54.00	-18.71	3	Vertical	209	2.04
2412MHz	Pass	PK	4.83624G	45.51	74.00	-28.49	3	Vertical	209	2.04
2412MHz	Pass	AV	4.80912G	36.86	54.00	-17.14	3	Horizontal	314	1.80
2412MHz	Pass	PK	4.83486G	45.71	74.00	-28.29	3	Horizontal	314	1.80
2417MHz	Pass	AV	2.3894G	51.99	54.00	-2.01	3	Vertical	242	2.44
2417MHz	Pass	AV	2.41G	104.12	Inf	-Inf	3	Vertical	242	2.44
2417MHz	Pass	PK	2.39G	63.28	74.00	-10.72	3	Vertical	242	2.44
2417MHz	Pass	PK	2.4092G	114.27	Inf	-Inf	3	Vertical	242	2.44
2417MHz	Pass	AV	2.39G	53.23	54.00	-0.77	3	Horizontal	297	2.25
2417MHz	Pass	AV	2.4164G	107.87	Inf	-Inf	3	Horizontal	297	2.25
2417MHz	Pass	PK	2.39G	63.96	74.00	-10.04	3	Horizontal	297	2.25
2417MHz	Pass	PK	2.4156G	117.71	Inf	-Inf	3	Horizontal	297	2.25
2437MHz	Pass	AV	2.3898G	50.05	54.00	-3.95	3	Vertical	89.9	2.19
2437MHz	Pass	AV	2.4422G	104.94	Inf	-Inf	3	Vertical	89.9	2.19
2437MHz	Pass	AV	2.4835G	49.37	54.00	-4.63	3	Vertical	89.9	2.19
2437MHz	Pass	PK	2.3878G	60.97	74.00	-13.03	3	Vertical	89.9	2.19
2437MHz	Pass	PK	2.4402G	115.96	Inf	-Inf	3	Vertical	89.9	2.19
2437MHz	Pass	PK	2.4835G	59.60	74.00	-14.40	3	Vertical	89.9	2.19
2437MHz	Pass	AV	2.3898G	53.03	54.00	-0.97	3	Horizontal	313	2.15
2437MHz	Pass	AV	2.431G	107.02	Inf	-Inf	3	Horizontal	313	2.15
2437MHz	Pass	AV	2.4835G	51.78	54.00	-2.22	3	Horizontal	313	2.15
2437MHz	Pass	PK	2.3886G	64.64	74.00	-9.36	3	Horizontal	313	2.15
2437MHz	Pass	PK	2.4298G	117.50	Inf	-Inf	3	Horizontal	313	2.15
2437MHz	Pass	PK	2.4846G	62.26	74.00	-11.74	3	Horizontal	313	2.15
2437MHz	Pass	AV	4.88888G	38.05	54.00	-15.95	3	Vertical	272	1.67
2437MHz	Pass	AV	7.30878G	38.61	54.00	-15.39	3	Vertical	338	1.50
2437MHz	Pass	PK	4.89008G	46.04	74.00	-27.96	3	Vertical	272	1.67
2437MHz	Pass	PK	7.30734G	48.72	74.00	-25.28	3	Vertical	338	1.50
2437MHz	Pass	AV	4.86548G	35.67	54.00	-18.33	3	Horizontal	170	1.91
2437MHz	Pass	AV	7.31184G	38.69	54.00	-15.31	3	Horizontal	230.1	1.50
2437MHz	Pass	PK	4.86128G	45.24	74.00	-28.76	3	Horizontal	170	1.91
2437MHz	Pass	PK	7.30122G	48.96	74.00	-25.04	3	Horizontal	230.1	1.50
2457MHz	Pass	AV	2.4482G	106.80	Inf	-Inf	3	Vertical	88	1.72
2457MHz	Pass	AV	2.4835G	53.61	54.00	-0.39	3	Vertical	88	1.72
2457MHz	Pass	PK	2.4486G	115.81	Inf	-Inf	3	Vertical	88	1.72
2457MHz	Pass	PK	2.484G	67.27	74.00	-6.73	3	Vertical	88	1.72
2457MHz	Pass	AV	2.4482G	105.78	Inf	-Inf	3	Horizontal	304	1.39
2457MHz	Pass	AV	2.4835G	53.90	54.00	-0.10	3	Horizontal	304	1.39
2457MHz	Pass	PK	2.453G	116.88	Inf	-Inf	3	Horizontal	304	1.39
2457MHz	Pass	PK	2.4835G	69.55	74.00	-4.45	3	Horizontal	304	1.39
2462MHz	Pass	AV	2.4676G	103.60	Inf	-Inf	3	Vertical	90	1.68
2462MHz	Pass	AV	2.4838G	49.63	54.00	-4.37	3	Vertical	90	1.68
2462MHz	Pass	PK	2.4674G	113.49	Inf	-Inf	3	Vertical	90	1.68
2462MHz	Pass	PK	2.484G	61.63	74.00	-12.37	3	Vertical	90	1.68
2462MHz	Pass	AV	2.4532G	103.50	Inf	-Inf	3	Horizontal	318	1.64
2462MHz	Pass	AV	2.4842G	53.75	54.00	-0.25	3	Horizontal	318	1.64
2462MHz	Pass	PK	2.4536G	113.57	Inf	-Inf	3	Horizontal	318	1.64
2462MHz	Pass	PK	2.4852G	68.79	74.00	-5.21	3	Horizontal	318	1.64
2462MHz	Pass	AV	4.90954G	36.12	54.00	-17.88	3	Vertical	277	1.08
2462MHz	Pass	AV	7.39248G	38.30	54.00	-15.70	3	Vertical	154	1.50
2462MHz	Pass	PK	4.92406G	46.35	74.00	-27.65	3	Vertical	277	1.08
2462MHz	Pass	PK	7.39584G	48.37	74.00	-25.63	3	Vertical	154	1.50



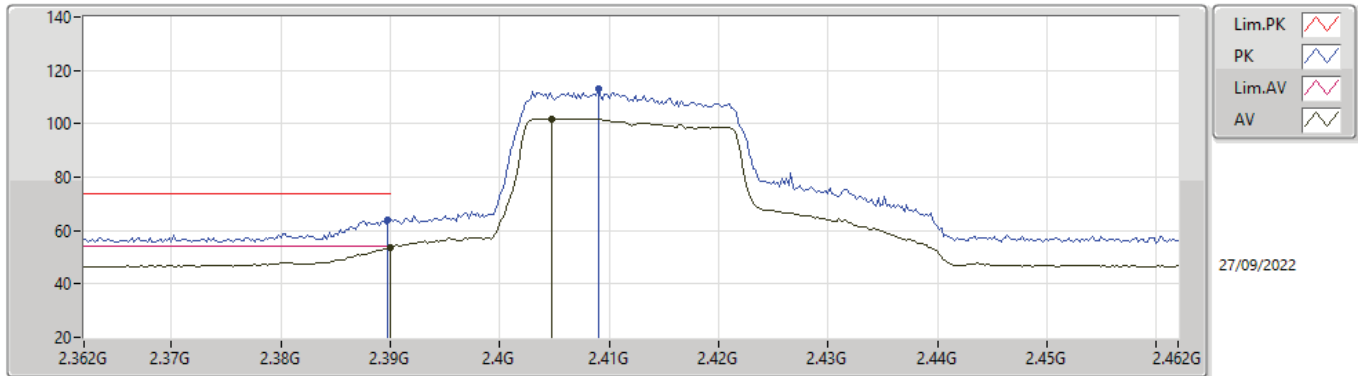
RSE TX above 1GHz\_Beamforming

Appendix F.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	4.92382G	35.88	54.00	-18.12	3	Horizontal	166	2.03
2462MHz	Pass	AV	7.39446G	38.34	54.00	-15.66	3	Horizontal	28	1.46
2462MHz	Pass	PK	4.92046G	45.33	74.00	-28.67	3	Horizontal	166	2.03
2462MHz	Pass	PK	7.37454G	48.43	74.00	-25.57	3	Horizontal	28	1.46
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3896G	52.19	54.00	-1.81	3	Vertical	84	1.26
2422MHz	Pass	AV	2.4108G	98.23	Inf	-Inf	3	Vertical	84	1.26
2422MHz	Pass	AV	2.484G	46.59	54.00	-7.41	3	Vertical	84	1.26
2422MHz	Pass	PK	2.3872G	64.00	74.00	-10.00	3	Vertical	84	1.26
2422MHz	Pass	PK	2.4236G	108.18	Inf	-Inf	3	Vertical	84	1.26
2422MHz	Pass	PK	2.4912G	58.52	74.00	-15.48	3	Vertical	84	1.26
2422MHz	Pass	AV	2.39G	53.84	54.00	-0.16	3	Horizontal	316	2.47
2422MHz	Pass	AV	2.4104G	101.88	Inf	-Inf	3	Horizontal	316	2.47
2422MHz	Pass	AV	2.4844G	48.59	54.00	-5.41	3	Horizontal	316	2.47
2422MHz	Pass	PK	2.386G	66.15	74.00	-7.85	3	Horizontal	316	2.47
2422MHz	Pass	PK	2.4232G	112.30	Inf	-Inf	3	Horizontal	316	2.47
2422MHz	Pass	PK	2.4868G	59.64	74.00	-14.36	3	Horizontal	316	2.47
2422MHz	Pass	AV	4.82984G	34.56	54.00	-19.44	3	Vertical	331	1.50
2422MHz	Pass	PK	4.82972G	44.08	74.00	-29.92	3	Vertical	331	1.50
2422MHz	Pass	AV	4.82912G	34.84	54.00	-19.16	3	Horizontal	320	2.25
2422MHz	Pass	PK	4.82156G	45.31	74.00	-28.69	3	Horizontal	320	2.25
2437MHz	Pass	AV	2.387G	48.10	54.00	-5.90	3	Vertical	90	1.20
2437MHz	Pass	AV	2.4242G	98.29	Inf	-Inf	3	Vertical	90	1.20
2437MHz	Pass	AV	2.4835G	50.00	54.00	-4.00	3	Vertical	90	1.20
2437MHz	Pass	PK	2.3898G	64.04	74.00	-9.96	3	Vertical	90	1.20
2437MHz	Pass	PK	2.4494G	107.21	Inf	-Inf	3	Vertical	90	1.20
2437MHz	Pass	PK	2.4835G	63.36	74.00	-10.64	3	Vertical	90	1.20
2437MHz	Pass	AV	2.3898G	53.17	54.00	-0.83	3	Horizontal	314	2.16
2437MHz	Pass	AV	2.4318G	100.91	Inf	-Inf	3	Horizontal	314	2.16
2437MHz	Pass	AV	2.4835G	53.21	54.00	-0.79	3	Horizontal	314	2.16
2437MHz	Pass	PK	2.3894G	68.68	74.00	-5.32	3	Horizontal	314	2.16
2437MHz	Pass	PK	2.4226G	111.06	Inf	-Inf	3	Horizontal	314	2.16
2437MHz	Pass	PK	2.4854G	69.78	74.00	-4.22	3	Horizontal	314	2.16
2437MHz	Pass	AV	4.88936G	37.49	54.00	-16.51	3	Vertical	269	2.16
2437MHz	Pass	AV	7.28364G	38.32	54.00	-15.68	3	Vertical	293	1.50
2437MHz	Pass	PK	4.874G	44.51	74.00	-29.49	3	Vertical	269	2.16
2437MHz	Pass	PK	7.3032G	48.32	74.00	-25.68	3	Vertical	293	1.50
2437MHz	Pass	AV	4.8494G	34.10	54.00	-19.90	3	Horizontal	342	1.50
2437MHz	Pass	AV	7.28496G	38.38	54.00	-15.62	3	Horizontal	92	1.50
2437MHz	Pass	PK	4.85792G	44.72	74.00	-29.28	3	Horizontal	342	1.50
2437MHz	Pass	PK	7.33428G	48.79	74.00	-25.21	3	Horizontal	92	1.50
2452MHz	Pass	AV	2.3896G	46.31	54.00	-7.69	3	Vertical	103	2.68
2452MHz	Pass	AV	2.4372G	97.91	Inf	-Inf	3	Vertical	103	2.68
2452MHz	Pass	AV	2.484G	49.63	54.00	-4.37	3	Vertical	103	2.68
2452MHz	Pass	PK	2.3868G	57.53	74.00	-16.47	3	Vertical	103	2.68
2452MHz	Pass	PK	2.4464G	108.08	Inf	-Inf	3	Vertical	103	2.68
2452MHz	Pass	PK	2.4835G	60.41	74.00	-13.59	3	Vertical	103	2.68
2452MHz	Pass	AV	2.3888G	46.82	54.00	-7.18	3	Horizontal	309	2.34
2452MHz	Pass	AV	2.4444G	101.06	Inf	-Inf	3	Horizontal	309	2.34
2452MHz	Pass	AV	2.4835G	53.62	54.00	-0.38	3	Horizontal	309	2.34
2452MHz	Pass	PK	2.3716G	58.12	74.00	-15.88	3	Horizontal	309	2.34
2452MHz	Pass	PK	2.444G	111.04	Inf	-Inf	3	Horizontal	309	2.34
2452MHz	Pass	PK	2.486G	64.87	74.00	-9.13	3	Horizontal	309	2.34
2452MHz	Pass	AV	4.8896G	36.87	54.00	-17.13	3	Vertical	266	2.17
2452MHz	Pass	AV	7.3428G	38.09	54.00	-15.91	3	Vertical	206	1.50
2452MHz	Pass	PK	4.89692G	44.34	74.00	-29.66	3	Vertical	266	2.17
2452MHz	Pass	PK	7.32888G	49.38	74.00	-24.62	3	Vertical	206	1.50
2452MHz	Pass	AV	4.8896G	34.87	54.00	-19.13	3	Horizontal	174	1.16
2452MHz	Pass	AV	7.3356G	38.05	54.00	-15.95	3	Horizontal	262	2.00
2452MHz	Pass	PK	4.92536G	44.43	74.00	-29.57	3	Horizontal	174	1.16
2452MHz	Pass	PK	7.33836G	48.00	74.00	-26.00	3	Horizontal	262	2.00

802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

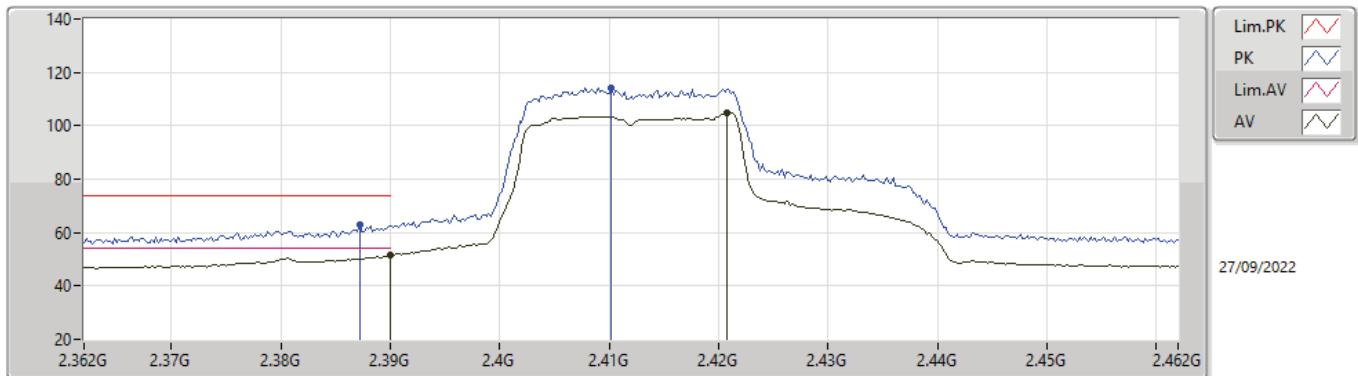
2412MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.61	54.00	-0.39	31.60	3	Vertical	88	1.54	22.01	27.44	4.16	-
AV	2.4048G	101.85	Inf	-Inf	31.68	3	Vertical	88	1.54	70.17	27.51	4.17	-
PK	2.3898G	64.10	74.00	-9.90	31.60	3	Vertical	88	1.54	32.50	27.44	4.16	-
PK	2.409G	113.09	Inf	-Inf	31.70	3	Vertical	88	1.54	81.39	27.52	4.18	-

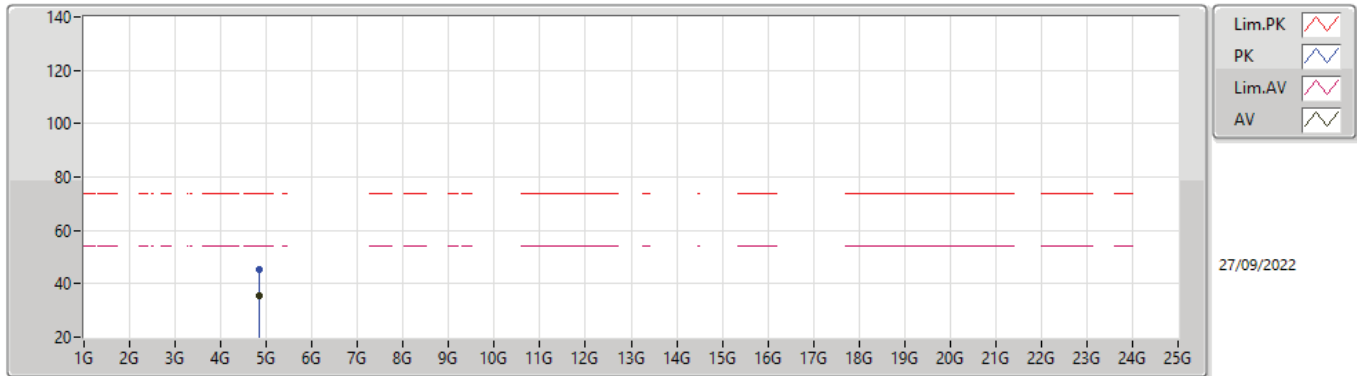
802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2412MHz\_TX



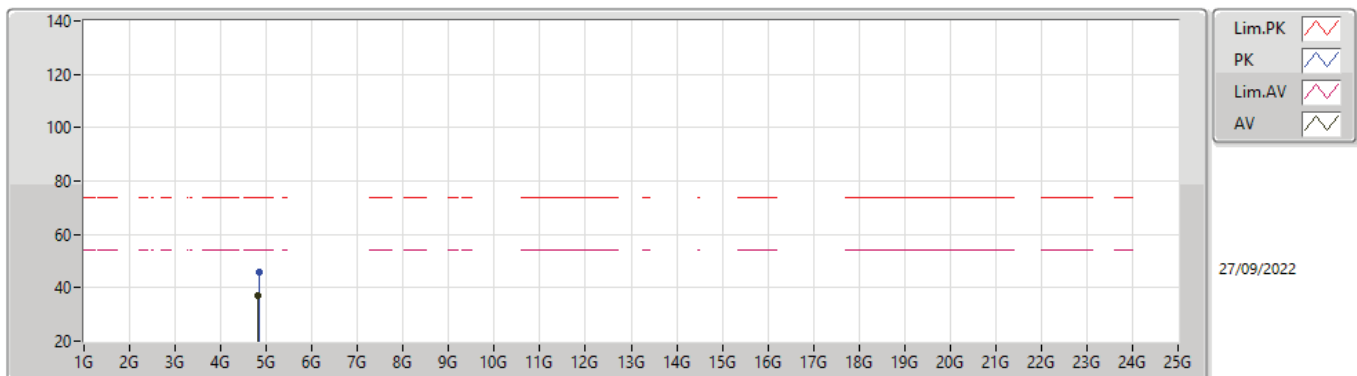
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	51.47	54.00	-2.53	31.60	3	Horizontal	312	2.72	19.87	27.44	4.16	-
AV	2.4208G	104.86	Inf	-Inf	31.72	3	Horizontal	312	2.72	73.14	27.54	4.18	-
PK	2.3872G	63.09	74.00	-10.91	31.58	3	Horizontal	312	2.72	31.51	27.42	4.16	-
PK	2.4102G	114.28	Inf	-Inf	31.70	3	Horizontal	312	2.72	82.58	27.52	4.18	-

**802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX  
2412MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.83828G	35.29	54.00	-18.71	3.57	3	Vertical	209	2.04	31.72	32.53	5.69	34.65
PK	4.83624G	45.51	74.00	-28.49	3.56	3	Vertical	209	2.04	41.95	32.52	5.69	34.65

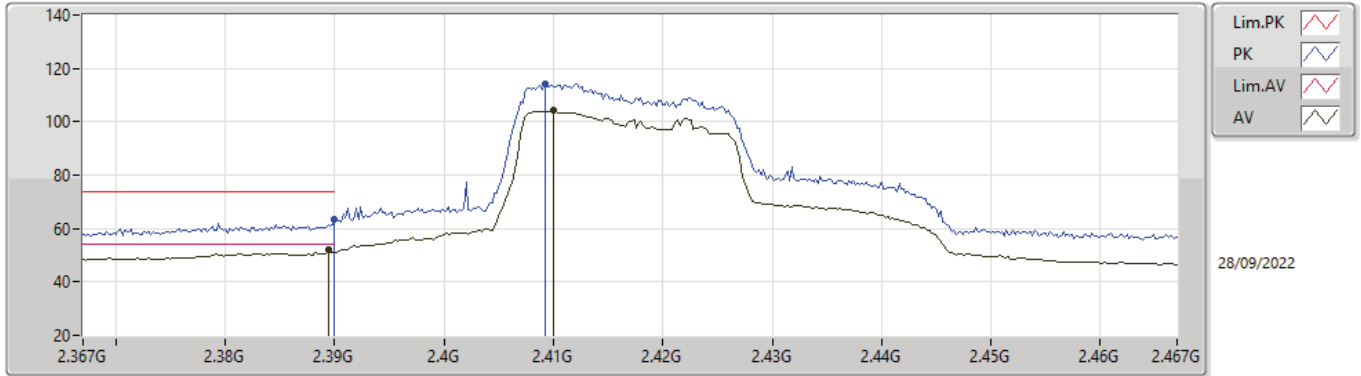
**802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX  
2412MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80912G	36.86	54.00	-17.14	3.37	3	Horizontal	314	1.80	33.49	32.35	5.68	34.66
PK	4.83486G	45.71	74.00	-28.29	3.55	3	Horizontal	314	1.80	42.16	32.51	5.69	34.65

802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

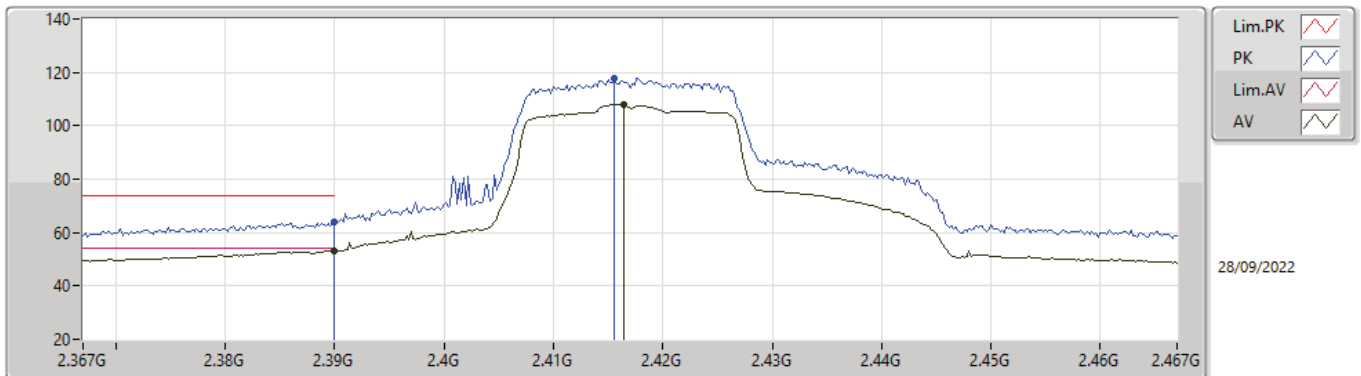
2417MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	51.99	54.00	-2.01	31.60	3	Vertical	242	2.44	20.39	27.44	4.16	-
AV	2.41G	104.12	Inf	-Inf	31.70	3	Vertical	242	2.44	72.42	27.52	4.18	-
PK	2.39G	63.28	74.00	-10.72	31.60	3	Vertical	242	2.44	31.68	27.44	4.16	-
PK	2.4092G	114.27	Inf	-Inf	31.70	3	Vertical	242	2.44	82.57	27.52	4.18	-

802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

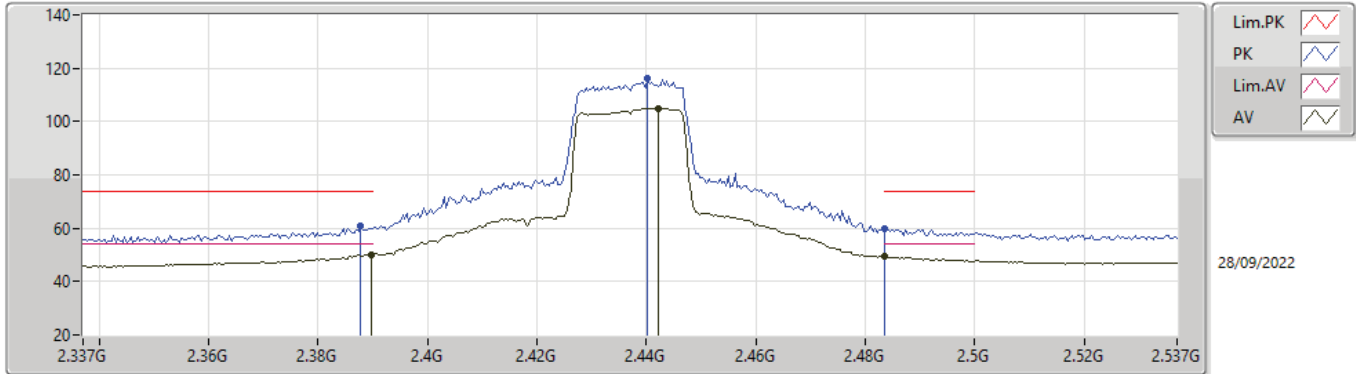
2417MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.23	54.00	-0.77	31.60	3	Horizontal	297	2.25	21.63	27.44	4.16	-
AV	2.4164G	107.87	Inf	-Inf	31.71	3	Horizontal	297	2.25	76.16	27.53	4.18	-
PK	2.39G	63.96	74.00	-10.04	31.60	3	Horizontal	297	2.25	32.36	27.44	4.16	-
PK	2.4156G	117.71	Inf	-Inf	31.71	3	Horizontal	297	2.25	86.00	27.53	4.18	-

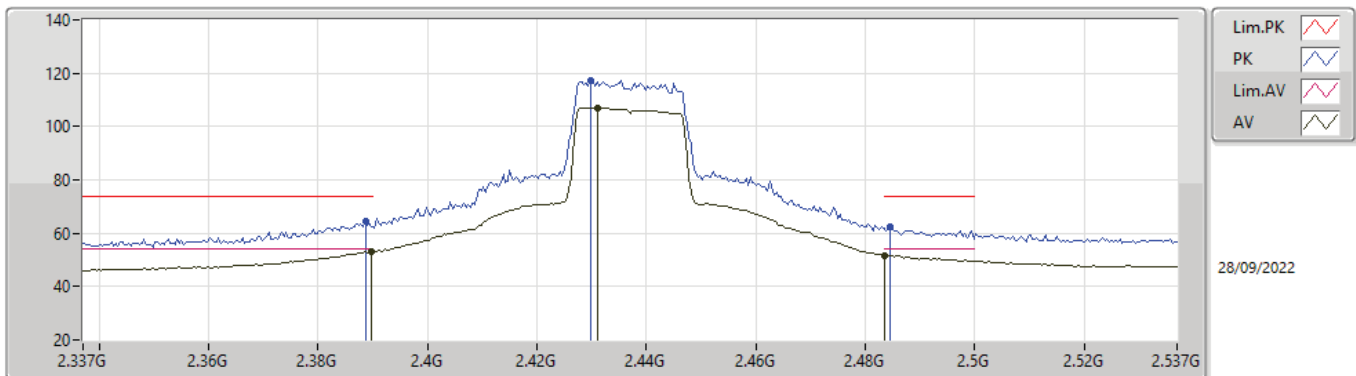


**802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX  
2437MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	50.05	54.00	-3.95	31.60	3	Vertical	89.9	2.19	18.45	27.44	4.16	-
AV	2.4422G	104.94	Inf	-Inf	31.78	3	Vertical	89.9	2.19	73.16	27.58	4.20	-
AV	2.4835G	49.37	54.00	-4.63	32.02	3	Vertical	89.9	2.19	17.35	27.80	4.22	-
PK	2.3878G	60.97	74.00	-13.03	31.59	3	Vertical	89.9	2.19	29.38	27.43	4.16	-
PK	2.4402G	115.96	Inf	-Inf	31.77	3	Vertical	89.9	2.19	84.19	27.58	4.19	-
PK	2.4835G	59.60	74.00	-14.40	32.02	3	Vertical	89.9	2.19	27.58	27.80	4.22	-

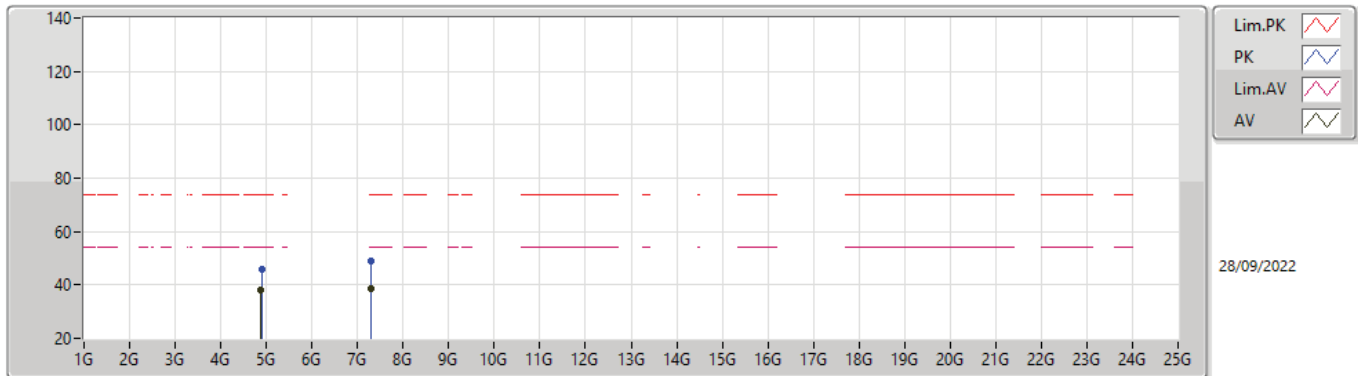
**802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX  
2437MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.03	54.00	-0.97	31.60	3	Horizontal	313	2.15	21.43	27.44	4.16	-
AV	2.431G	107.02	Inf	-Inf	31.75	3	Horizontal	313	2.15	75.27	27.56	4.19	-
AV	2.4835G	51.78	54.00	-2.22	32.02	3	Horizontal	313	2.15	19.76	27.80	4.22	-
PK	2.3886G	64.64	74.00	-9.36	31.59	3	Horizontal	313	2.15	33.05	27.43	4.16	-
PK	2.4298G	117.50	Inf	-Inf	31.75	3	Horizontal	313	2.15	85.75	27.56	4.19	-
PK	2.4846G	62.26	74.00	-11.74	32.03	3	Horizontal	313	2.15	30.23	27.81	4.22	-

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

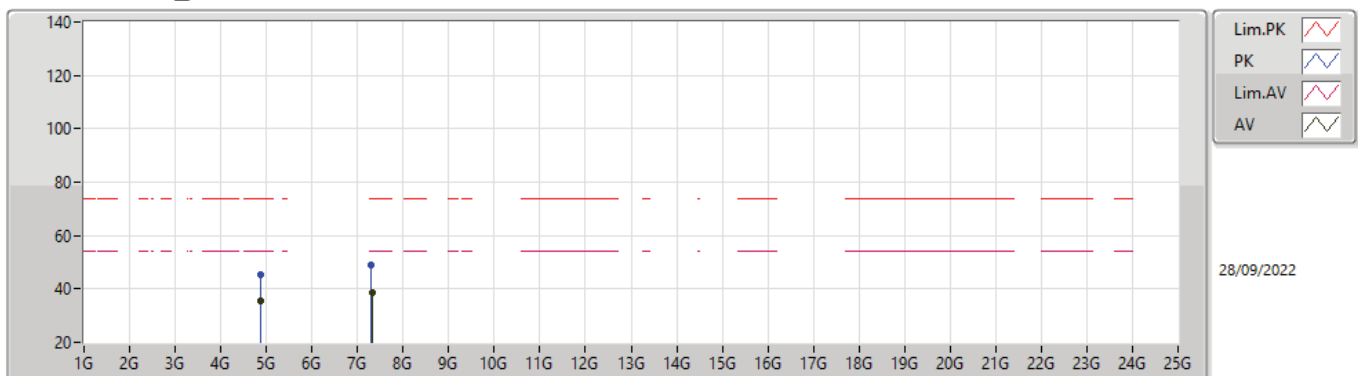
#### 2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88888G	38.05	54.00	-15.95	3.83	3	Vertical	272	1.67	34.22	32.76	5.72	34.65
AV	7.30878G	38.61	54.00	-15.39	8.79	3	Vertical	338	1.50	29.82	36.75	6.82	34.78
PK	4.89008G	46.04	74.00	-27.96	3.83	3	Vertical	272	1.67	42.21	32.76	5.72	34.65
PK	7.30734G	48.72	74.00	-25.28	8.80	3	Vertical	338	1.50	39.92	36.76	6.82	34.78

### 802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

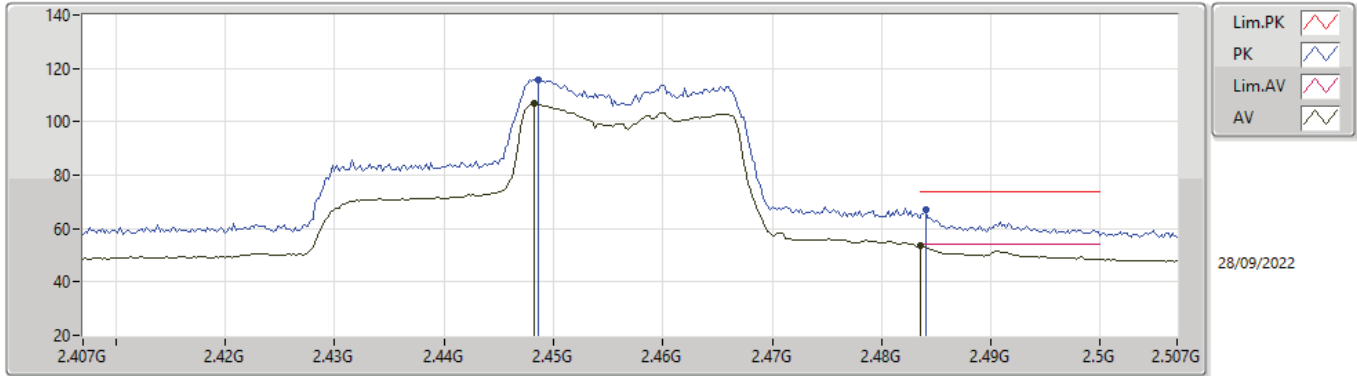
#### 2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.86548G	35.67	54.00	-18.33	3.72	3	Horizontal	170	1.91	31.95	32.66	5.71	34.65
AV	7.31184G	38.69	54.00	-15.31	8.77	3	Horizontal	230.1	1.50	29.92	36.73	6.82	34.78
PK	4.86128G	45.24	74.00	-28.76	3.71	3	Horizontal	170	1.91	41.53	32.65	5.71	34.65
PK	7.30122G	48.96	74.00	-25.04	8.83	3	Horizontal	230.1	1.50	40.13	36.79	6.82	34.78

802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

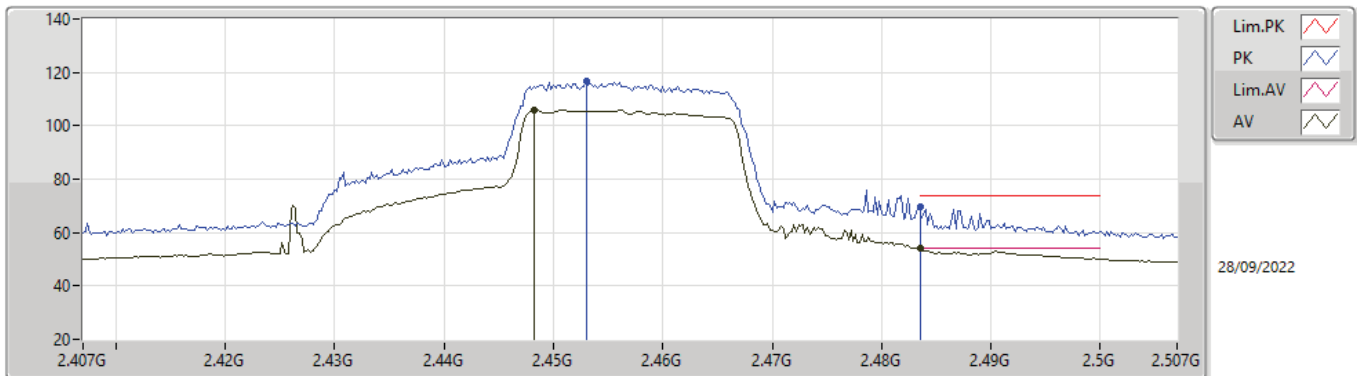
2457MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4482G	106.80	Inf	-Inf	31.80	3	Vertical	88	1.72	75.00	27.60	4.20	-
AV	2.4835G	53.61	54.00	-0.39	32.02	3	Vertical	88	1.72	21.59	27.80	4.22	-
PK	2.4486G	115.81	Inf	-Inf	31.80	3	Vertical	88	1.72	84.01	27.60	4.20	-
PK	2.484G	67.27	74.00	-6.73	32.02	3	Vertical	88	1.72	35.25	27.80	4.22	-

802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

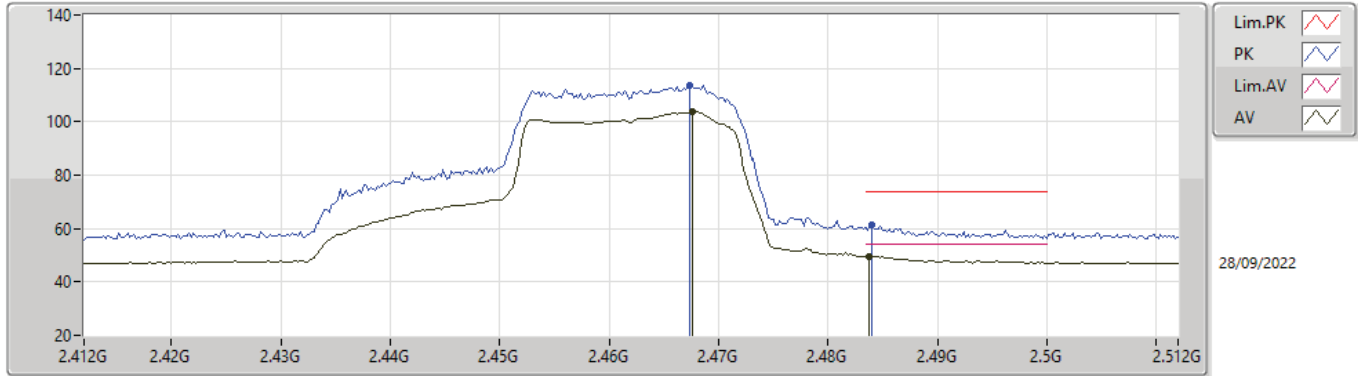
2457MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4482G	105.78	Inf	-Inf	31.80	3	Horizontal	304	1.39	73.98	27.60	4.20	-
AV	2.4835G	53.90	54.00	-0.10	32.02	3	Horizontal	304	1.39	21.88	27.80	4.22	-
PK	2.453G	116.88	Inf	-Inf	31.82	3	Horizontal	304	1.39	85.06	27.62	4.20	-
PK	2.4835G	69.55	74.00	-4.45	32.02	3	Horizontal	304	1.39	37.53	27.80	4.22	-

802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

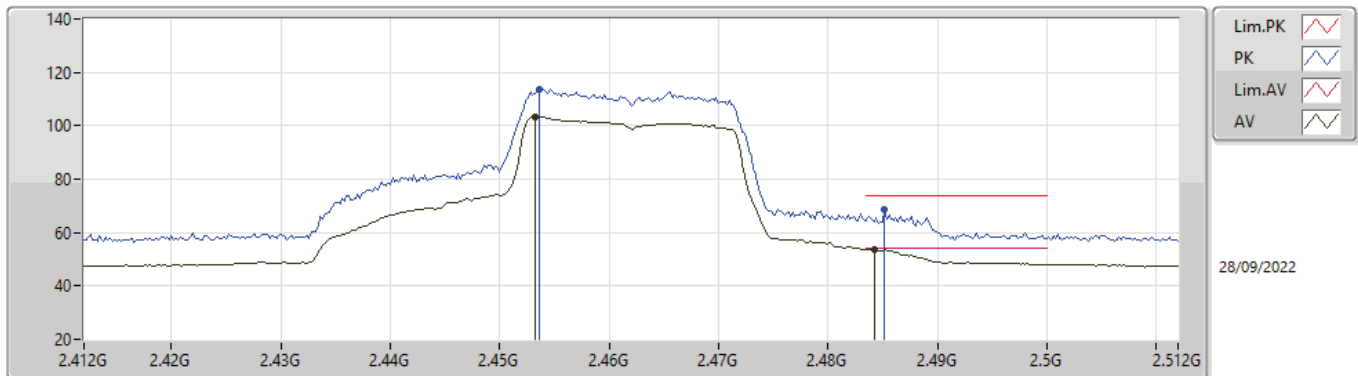
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4676G	103.60	Inf	-Inf	31.92	3	Vertical	90	1.68	71.68	27.71	4.21	-
AV	2.4838G	49.63	54.00	-4.37	32.02	3	Vertical	90	1.68	17.61	27.80	4.22	-
PK	2.4674G	113.49	Inf	-Inf	31.91	3	Vertical	90	1.68	81.58	27.70	4.21	-
PK	2.484G	61.63	74.00	-12.37	32.02	3	Vertical	90	1.68	29.61	27.80	4.22	-

802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

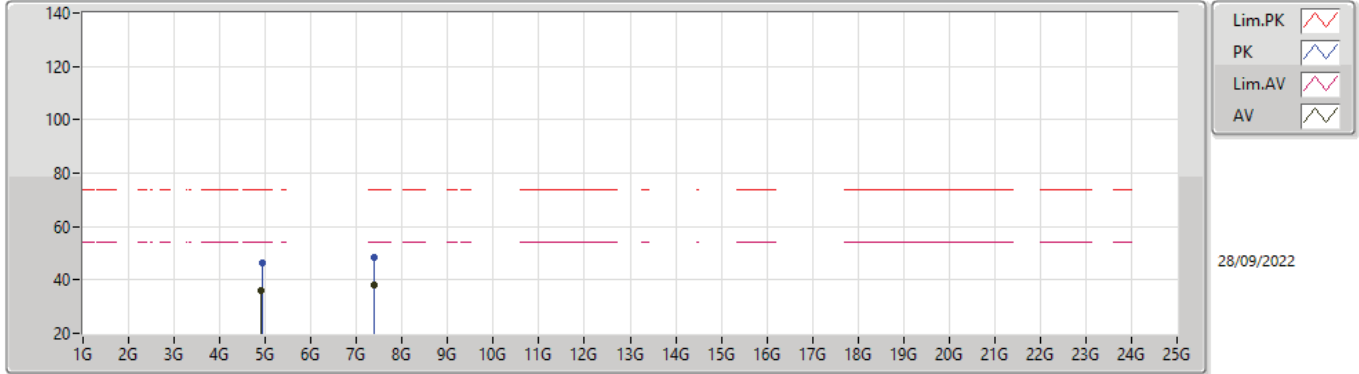
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4532G	103.50	Inf	-Inf	31.82	3	Horizontal	318	1.64	71.68	27.62	4.20	-
AV	2.4842G	53.75	54.00	-0.25	32.03	3	Horizontal	318	1.64	21.72	27.81	4.22	-
PK	2.4536G	113.57	Inf	-Inf	31.82	3	Horizontal	318	1.64	81.75	27.62	4.20	-
PK	2.4852G	68.79	74.00	-5.21	32.03	3	Horizontal	318	1.64	36.76	27.81	4.22	-

802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

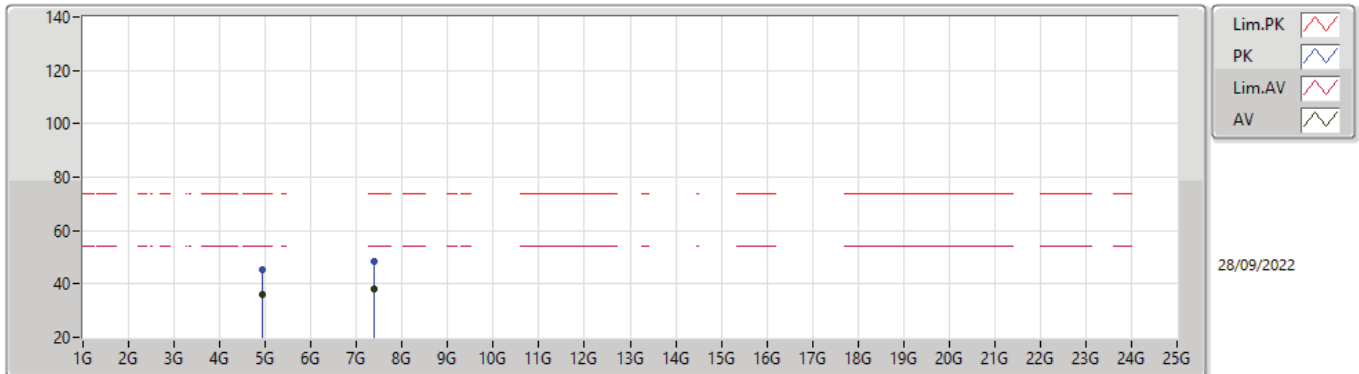
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.90954G	36.12	54.00	-17.88	3.93	3	Vertical	277	1.08	32.19	32.84	5.74	34.65
AV	7.39248G	38.30	54.00	-15.70	8.42	3	Vertical	154	1.50	29.88	36.33	6.88	34.79
PK	4.92406G	46.35	74.00	-27.65	3.99	3	Vertical	277	1.08	42.36	32.90	5.74	34.65
PK	7.39584G	48.37	74.00	-25.63	8.41	3	Vertical	154	1.50	39.96	36.32	6.88	34.79

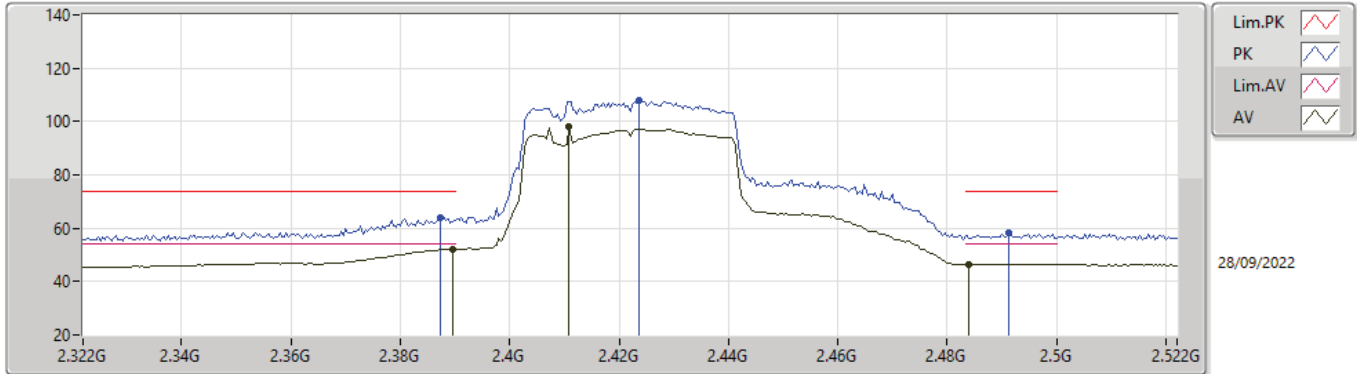
802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

2462MHz\_TX



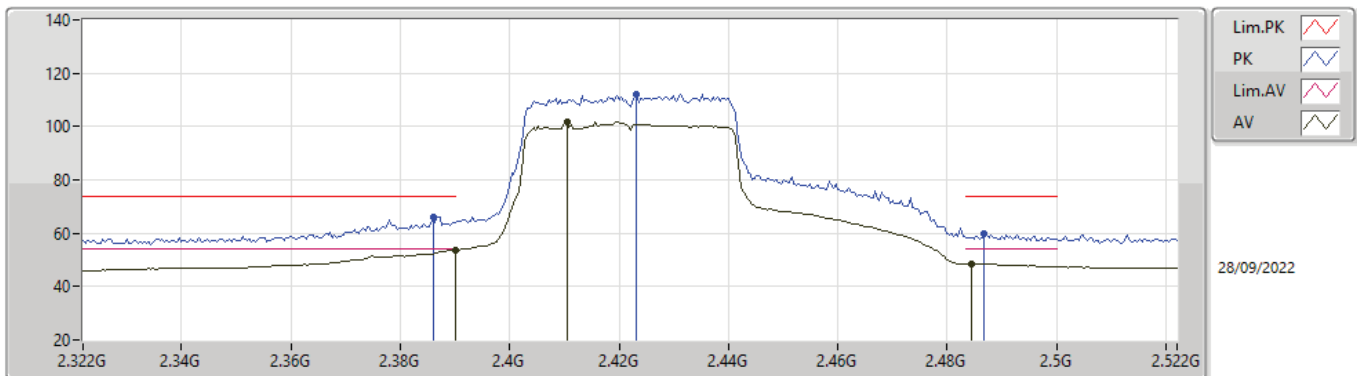
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92382G	35.88	54.00	-18.12	3.99	3	Horizontal	166	2.03	31.89	32.90	5.74	34.65
AV	7.39446G	38.34	54.00	-15.66	8.41	3	Horizontal	28	1.46	29.93	36.32	6.88	34.79
PK	4.92046G	45.33	74.00	-28.67	3.97	3	Horizontal	166	2.03	41.36	32.88	5.74	34.65
PK	7.37454G	48.43	74.00	-25.57	8.48	3	Horizontal	28	1.46	39.95	36.40	6.86	34.78

**802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX  
2422MHz\_TX**



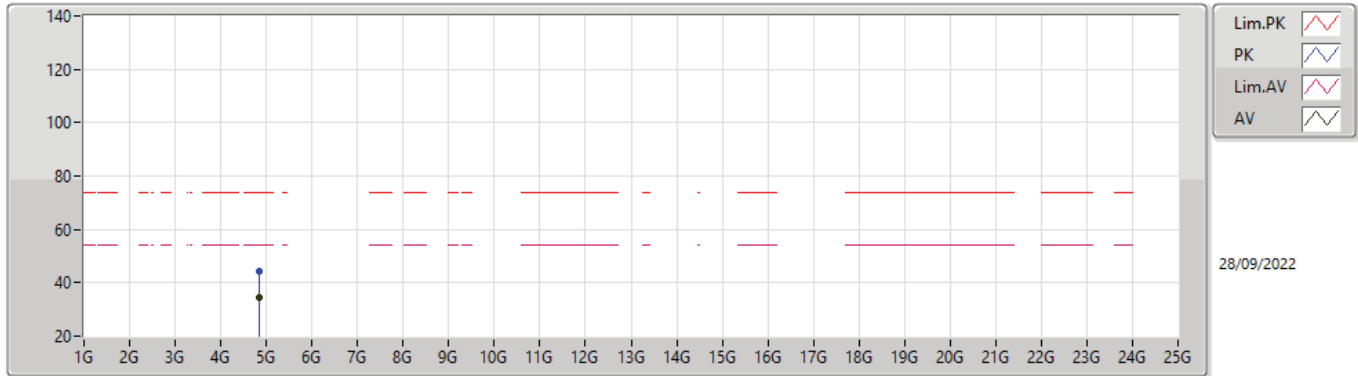
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	52.19	54.00	-1.81	31.60	3	Vertical	84	1.26	20.59	27.44	4.16	-
AV	2.4108G	98.23	Inf	-Inf	31.70	3	Vertical	84	1.26	66.53	27.52	4.18	-
AV	2.484G	46.59	54.00	-7.41	32.02	3	Vertical	84	1.26	14.57	27.80	4.22	-
PK	2.3872G	64.00	74.00	-10.00	31.58	3	Vertical	84	1.26	32.42	27.42	4.16	-
PK	2.4236G	108.18	Inf	-Inf	31.73	3	Vertical	84	1.26	76.45	27.55	4.18	-
PK	2.4912G	58.52	74.00	-15.48	32.07	3	Vertical	84	1.26	26.45	27.85	4.22	-

**802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX  
2422MHz\_TX**



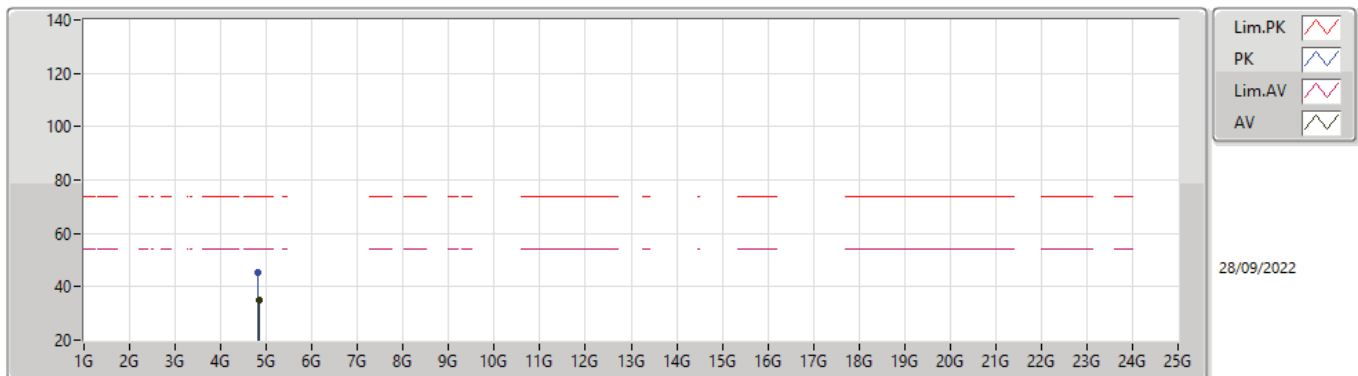
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.84	54.00	-0.16	31.60	3	Horizontal	316	2.47	22.24	27.44	4.16	-
AV	2.4104G	101.88	Inf	-Inf	31.70	3	Horizontal	316	2.47	70.18	27.52	4.18	-
AV	2.4844G	48.59	54.00	-5.41	32.03	3	Horizontal	316	2.47	16.56	27.81	4.22	-
PK	2.386G	66.15	74.00	-7.85	31.58	3	Horizontal	316	2.47	34.57	27.42	4.16	-
PK	2.4232G	112.30	Inf	-Inf	31.73	3	Horizontal	316	2.47	80.57	27.55	4.18	-
PK	2.4868G	59.64	74.00	-14.36	32.04	3	Horizontal	316	2.47	27.60	27.82	4.22	-

**802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX  
2422MHz\_TX**



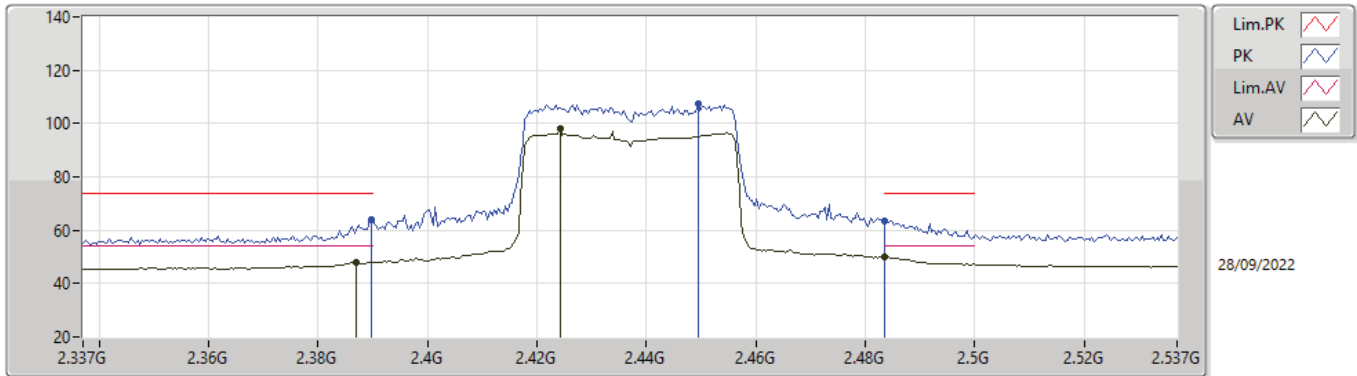
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82984G	34.56	54.00	-19.44	3.52	3	Vertical	331	1.50	31.04	32.48	5.69	34.65
PK	4.82972G	44.08	74.00	-29.92	3.52	3	Vertical	331	1.50	40.56	32.48	5.69	34.65

**802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX  
2422MHz\_TX**



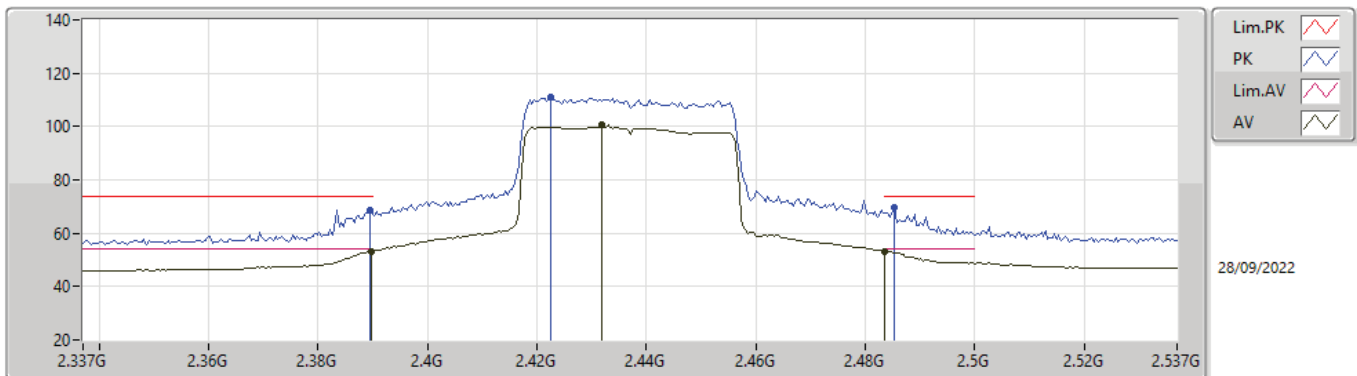
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82912G	34.84	54.00	-19.16	3.51	3	Horizontal	320	2.25	31.33	32.47	5.69	34.65
PK	4.82156G	45.31	74.00	-28.69	3.46	3	Horizontal	320	2.25	41.85	32.43	5.68	34.65

**802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX  
2437MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.387G	48.10	54.00	-5.90	31.58	3	Vertical	90	1.20	16.52	27.42	4.16	-
AV	2.4242G	98.29	Inf	-Inf	31.73	3	Vertical	90	1.20	66.56	27.55	4.18	-
AV	2.4835G	50.00	54.00	-4.00	32.02	3	Vertical	90	1.20	17.98	27.80	4.22	-
PK	2.3898G	64.04	74.00	-9.96	31.60	3	Vertical	90	1.20	32.44	27.44	4.16	-
PK	2.4494G	107.21	Inf	-Inf	31.80	3	Vertical	90	1.20	75.41	27.60	4.20	-
PK	2.4835G	63.36	74.00	-10.64	32.02	3	Vertical	90	1.20	31.34	27.80	4.22	-

**802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX  
2437MHz\_TX**

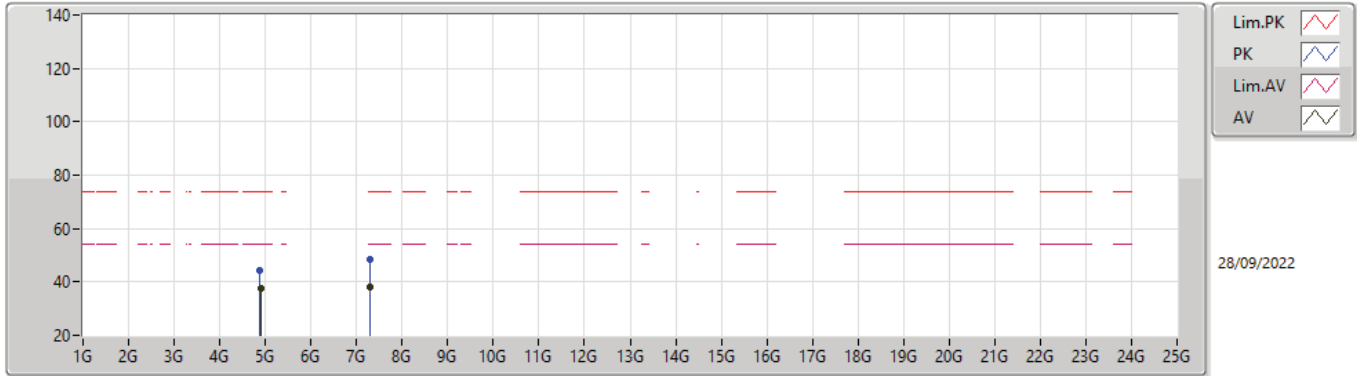


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.17	54.00	-0.83	31.60	3	Horizontal	314	2.16	21.57	27.44	4.16	-
AV	2.4318G	100.91	Inf	-Inf	31.75	3	Horizontal	314	2.16	69.16	27.56	4.19	-
AV	2.4835G	53.21	54.00	-0.79	32.02	3	Horizontal	314	2.16	21.19	27.80	4.22	-
PK	2.3894G	68.68	74.00	-5.32	31.60	3	Horizontal	314	2.16	37.08	27.44	4.16	-
PK	2.4226G	111.06	Inf	-Inf	31.73	3	Horizontal	314	2.16	79.33	27.55	4.18	-
PK	2.4854G	69.78	74.00	-4.22	32.03	3	Horizontal	314	2.16	37.75	27.81	4.22	-



**802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX**

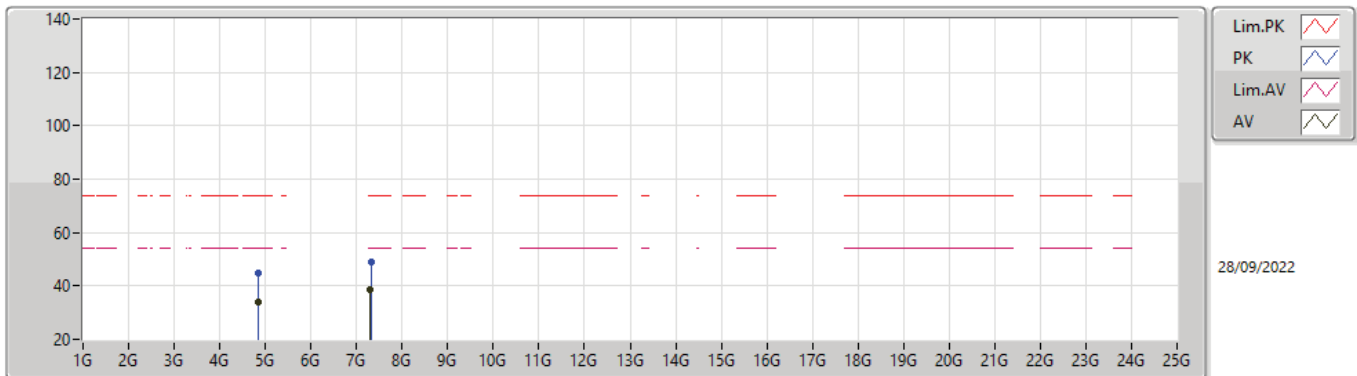
**2437MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88936G	37.49	54.00	-16.51	3.83	3	Vertical	269	2.16	33.66	32.76	5.72	34.65
AV	7.28364G	38.32	54.00	-15.68	8.83	3	Vertical	293	1.50	29.49	36.80	6.80	34.77
PK	4.874G	44.51	74.00	-29.49	3.76	3	Vertical	269	2.16	40.75	32.70	5.71	34.65
PK	7.3032G	48.32	74.00	-25.68	8.82	3	Vertical	293	1.50	39.50	36.78	6.82	34.78

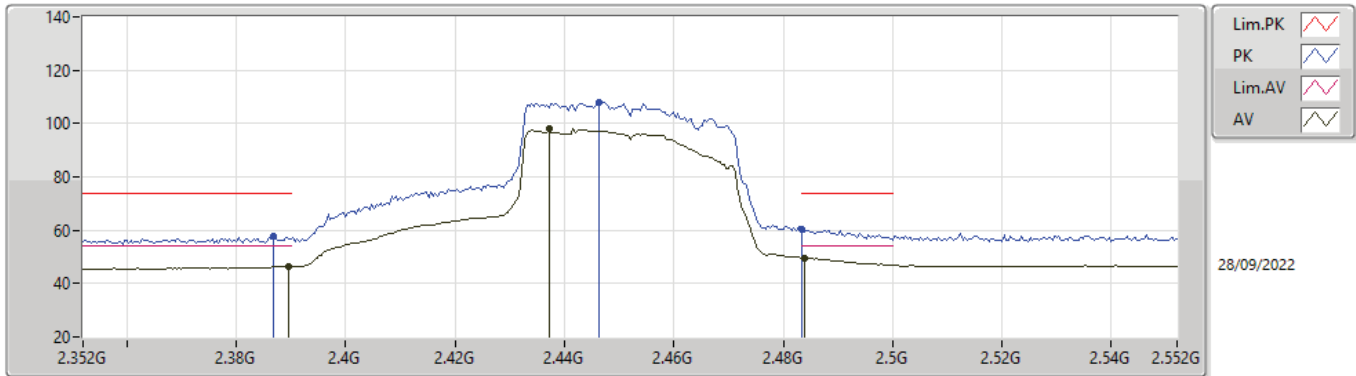
**802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX**

**2437MHz\_TX**



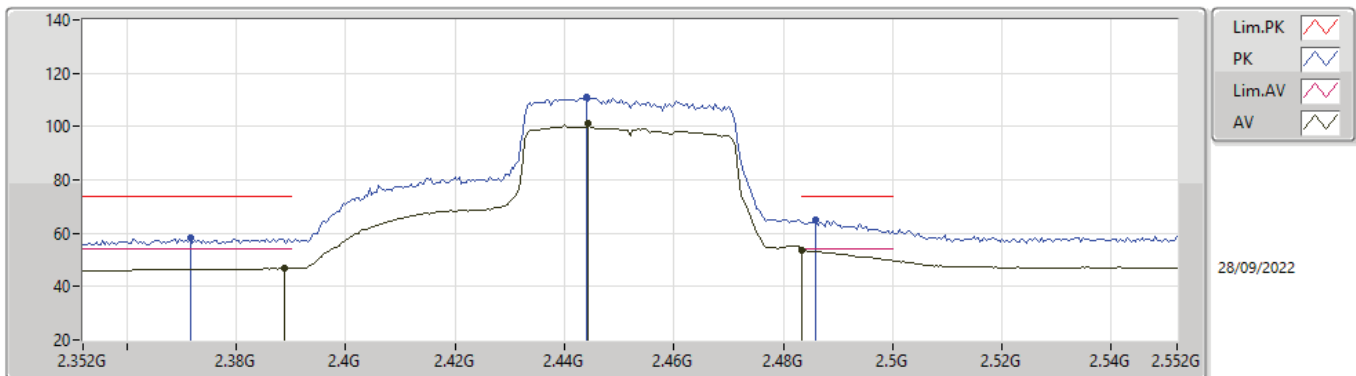
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8494G	34.10	54.00	-19.90	3.65	3	Horizontal	342	1.50	30.45	32.60	5.70	34.65
AV	7.28496G	38.38	54.00	-15.62	8.84	3	Horizontal	92	1.50	29.54	36.80	6.81	34.77
PK	4.85792G	44.72	74.00	-29.28	3.68	3	Horizontal	342	1.50	41.04	32.63	5.70	34.65
PK	7.33428G	48.79	74.00	-25.21	8.65	3	Horizontal	92	1.50	40.14	36.59	6.84	34.78

**802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX  
2452MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	46.31	54.00	-7.69	31.60	3	Vertical	103	2.68	14.71	27.44	4.16	-
AV	2.4372G	97.91	Inf	-Inf	31.76	3	Vertical	103	2.68	66.15	27.57	4.19	-
AV	2.484G	49.63	54.00	-4.37	32.02	3	Vertical	103	2.68	17.61	27.80	4.22	-
PK	2.3868G	57.53	74.00	-16.47	31.58	3	Vertical	103	2.68	25.95	27.42	4.16	-
PK	2.4464G	108.08	Inf	-Inf	31.79	3	Vertical	103	2.68	76.29	27.59	4.20	-
PK	2.4835G	60.41	74.00	-13.59	32.02	3	Vertical	103	2.68	28.39	27.80	4.22	-

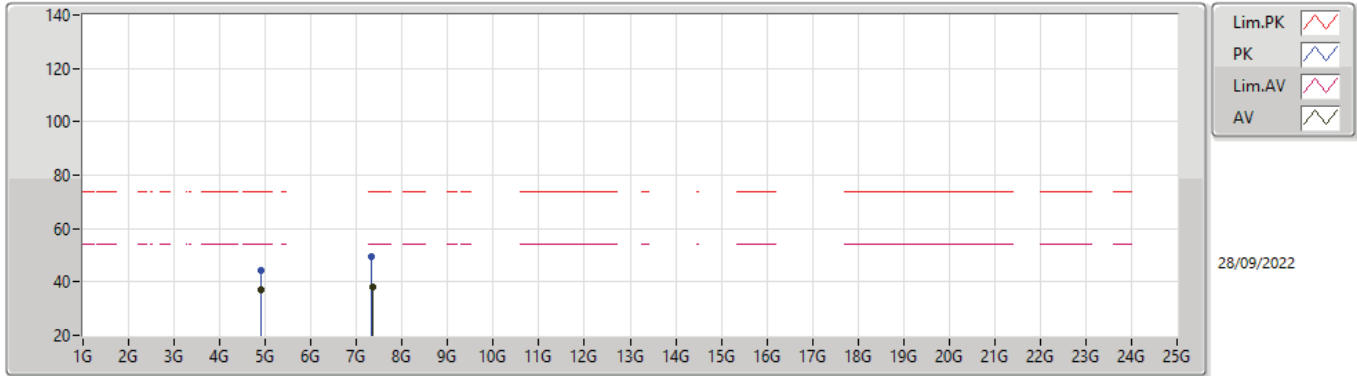
**802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX  
2452MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3888G	46.82	54.00	-7.18	31.59	3	Horizontal	309	2.34	15.23	27.43	4.16	-
AV	2.4444G	101.06	Inf	-Inf	31.79	3	Horizontal	309	2.34	69.27	27.59	4.20	-
AV	2.4835G	53.62	54.00	-0.38	32.02	3	Horizontal	309	2.34	21.60	27.80	4.22	-
PK	2.3716G	58.12	74.00	-15.88	31.47	3	Horizontal	309	2.34	26.65	27.33	4.14	-
PK	2.444G	111.04	Inf	-Inf	31.79	3	Horizontal	309	2.34	79.25	27.59	4.20	-
PK	2.486G	64.87	74.00	-9.13	32.04	3	Horizontal	309	2.34	32.83	27.82	4.22	-

802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

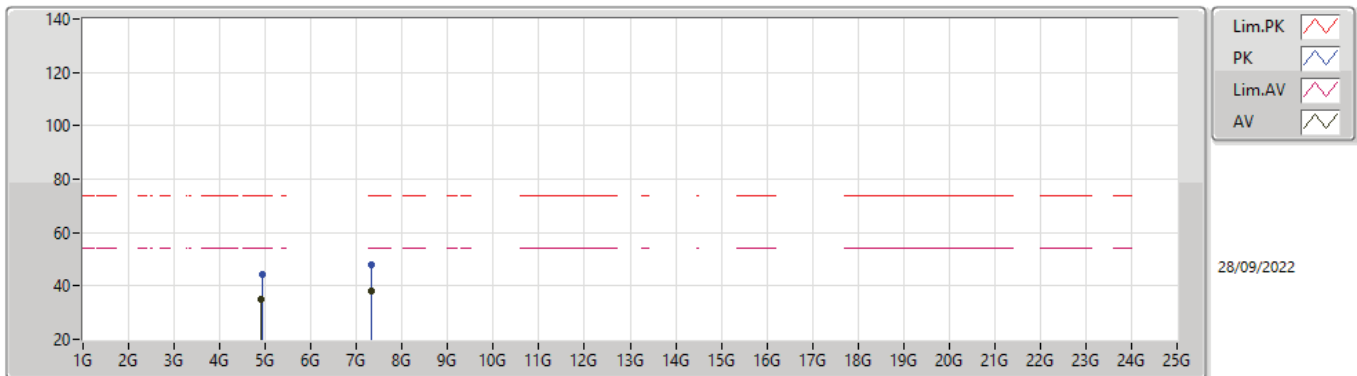
2452MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8896G	36.87	54.00	-17.13	3.83	3	Vertical	266	2.17	33.04	32.76	5.72	34.65
AV	7.3428G	38.09	54.00	-15.91	8.60	3	Vertical	206	1.50	29.49	36.54	6.84	34.78
PK	4.89692G	44.34	74.00	-29.66	3.87	3	Vertical	266	2.17	40.47	32.79	5.73	34.65
PK	7.32888G	49.38	74.00	-24.62	8.68	3	Vertical	206	1.50	40.70	36.63	6.83	34.78

802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

2452MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8896G	34.87	54.00	-19.13	3.83	3	Horizontal	174	1.16	31.04	32.76	5.72	34.65
AV	7.3356G	38.05	54.00	-15.95	8.65	3	Horizontal	262	2.00	29.40	36.59	6.84	34.78
PK	4.92536G	44.43	74.00	-29.57	4.00	3	Horizontal	174	1.16	40.43	32.90	5.75	34.65
PK	7.33836G	48.00	74.00	-26.00	8.63	3	Horizontal	262	2.00	39.37	36.57	6.84	34.78



**Summary**

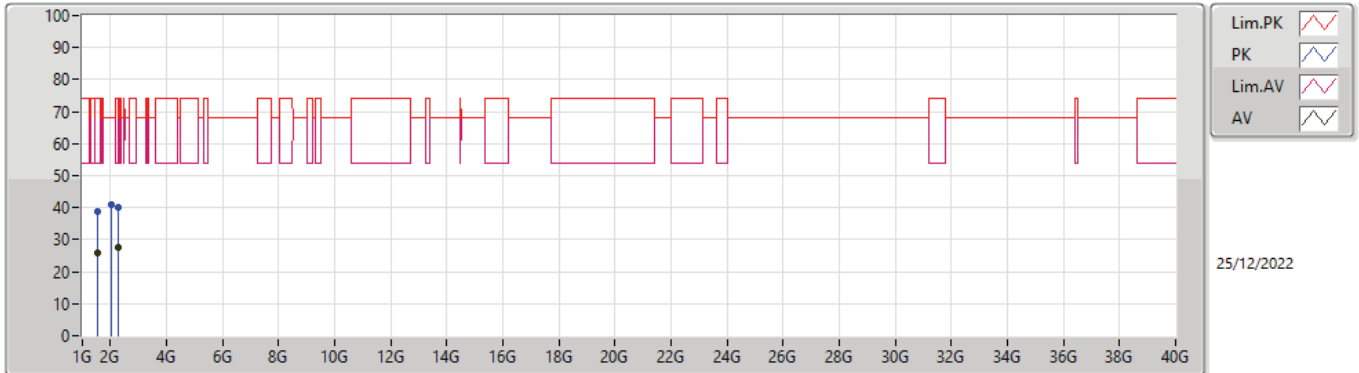
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	2.13704G	42.95	68.20	-25.25	Horizontal



Result

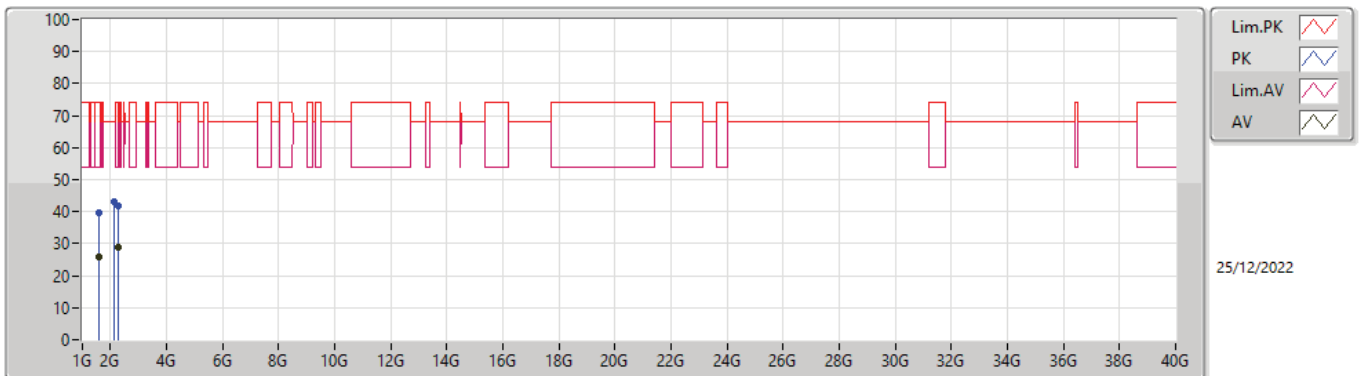
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	1.55907G	25.96	54.00	-28.04	3	Vertical	128	2.09	-
Mode 1	Pass	AV	2.27312G	27.71	54.00	-26.29	3	Vertical	219	1.98	-
Mode 1	Pass	PK	1.55639G	38.85	74.00	-35.15	3	Vertical	128	2.09	-
Mode 1	Pass	PK	2.04049G	41.14	68.20	-27.06	3	Vertical	182	2.37	-
Mode 1	Pass	PK	2.27086G	40.19	74.00	-33.81	3	Vertical	219	1.98	-
Mode 1	Pass	AV	1.60016G	25.68	54.00	-28.32	3	Horizontal	229	1.65	-
Mode 1	Pass	AV	2.276G	28.73	54.00	-25.27	3	Horizontal	274	1.82	-
Mode 1	Pass	PK	1.60032G	39.81	74.00	-34.19	3	Horizontal	229	1.65	-
Mode 1	Pass	PK	2.13704G	42.95	68.20	-25.25	3	Horizontal	183	2.21	-
Mode 1	Pass	PK	2.27484G	41.63	74.00	-32.37	3	Horizontal	274	1.82	-

### 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)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.55907G	25.96	54.00	-28.04	-6.30	3	Vertical	128	2.09	32.26	25.20	3.31	34.81
AV	2.27312G	27.71	54.00	-26.29	-3.52	3	Vertical	219	1.98	31.23	27.11	4.05	34.68
PK	1.55639G	38.85	74.00	-35.15	-6.30	3	Vertical	128	2.09	45.15	25.20	3.31	34.81
PK	2.04049G	41.14	68.20	-27.06	-3.68	3	Vertical	182	2.37	44.82	27.09	3.84	34.61
PK	2.27086G	40.19	74.00	-33.81	-3.51	3	Vertical	219	1.98	43.70	27.12	4.05	34.68

### 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)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.60016G	25.68	54.00	-28.32	-6.23	3	Horizontal	229	1.65	31.91	25.20	3.36	34.79
AV	2.276G	28.73	54.00	-25.27	-3.53	3	Horizontal	274	1.82	32.26	27.10	4.05	34.68
PK	1.60032G	39.81	74.00	-34.19	-6.23	3	Horizontal	229	1.65	46.04	25.20	3.36	34.79
PK	2.13704G	42.95	68.20	-25.25	-3.19	3	Horizontal	183	2.21	46.14	27.53	3.92	34.64
PK	2.27484G	41.63	74.00	-32.37	-3.53	3	Horizontal	274	1.82	45.16	27.10	4.05	34.68