

FCC Radio Test Report

FCC ID : TVE-512178E8741
Equipment : Secured Wireless Access Point
Brand Name : FORTINET
Model Name : FortiAP 441Kxxxxxx, FAP-441Kxxxxxx, FORTIAP-441Kxxxxxx
(Where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)
Applicant : Fortinet, Inc.
899 Kifer Road, Sunnyvale, CA 94086, USA
Manufacturer : Fortinet, Inc.
899 Kifer Road, Sunnyvale, CA 94086, USA
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 11, 2023, and testing was started from Jul. 12, 2023 and completed on Oct. 06, 2023. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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History of this test report

Report No.	Version	Description	Issued Date
FR370714AC	01	Initial issue of report	Nov. 02, 2023

Summary of Test Result

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

Declaration of Conformity:

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

Comments and explanations:

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

Reviewed by: Barry Hsiao

Report Producer: Ann Hou

1 General Description

1.1 Information

Radio 4 (Scan radio) is only RX function.

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	Nant
2.4-2.4835GHz	802.11b	20	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11ax HEW20	20	4TX
2.4-2.4835GHz	802.11ax HEW40	40	4TX

Beamforming

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11ax HEW20-BF	20	4TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	4TX

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Evaluated HEW20/HEW40 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Senao	5718A0730300	PIFA	I-Pex	2.4G	Radio 1
					5G	Radio 2
2	Senao	5718A0731300	PIFA	I-Pex	2.4G	Radio 1
					5G	Radio 2
3	Senao	5718A0732300	PIFA	I-Pex	2.4G	Radio 1
					5G	Radio 2
4	Senao	5718A0733300	PIFA	I-Pex	2.4G	Radio 1
					5G	Radio 2
5	AWAN	7102A0657000	Alford Loop	I-Pex	6E	Radio 3
6	AWAN	7102A0659000	Alford Loop	I-Pex	6E	Radio 3
7	AWAN	7102A0660000	Alford Loop	I-Pex	6E	Radio 3
8	AWAN	7102A0658000	Alford Loop	I-Pex	6E	Radio 3
9	Senao	5718A0734300	PIFA	I-Pex	2.4G/5G/6E	Scan radio
10	Senao	5718A0735300	PIFA	I-Pex	2.4G/5G/6E	Scan radio
11	Senao	5718A0736300	PIFA	I-Pex	BT& Zigbee	-
12	Quectel	7102A0656000	Patch	I-Pex	GPS	-
13	Quectel	Y4SEN00A1EA	Patch	Reverse SMA	GPS	-

Ant.	Port	Gain (dBi)				
		2.4G	5G	6E	BT/Zigbee	GPS
1	1	2.95	5.28	-	-	-
2	2	3.38	2.9	-	-	-
3	3	2.05	6.22	-	-	-
4	4	2.18	4.55	-	-	-
5	1	-	-	4.26	-	-
6	2	-	-	5.89	-	-
7	3	-	-	5.27	-	-
8	4	-	-	4.86	-	-
9	1	1.76	5.11	4.41	-	-
10	2	1.17	2.91	4.43	-	-
11	1	-	-	-	4.5	-
12	1	-	-	-	-	-0.5
13	2	-	-	-	-	1.4



Composite Gain (dBi)										
	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	5.885G	6.175G	6.475G	6.695G	6.995G
DG [1SS]	6.91	5.35	5.46	6.04	7.23	7.22	9.32	8.48	8.63	8.56
DG [2SS]	3.91	4.2	4.7	4.49	6.22	5.92	6.32	5.48	5.63	5.89
DG [4SS]	3.38	4.2	4.7	4.49	6.22	5.92	5.24	4.19	4.64	5.89

Note 1: The EUT has thirteen antennas.

Note 2: The antenna 13 mentioned above will not be sold with the EUT in the market

Note 3: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP370714.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax mode (4TX/4RX)

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

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

Ant. 9 (port 1) and Ant. 10 (port 2) could receive simultaneously.

For 5GHz function:

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

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

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

Ant. 9 (port 1) and Ant. 10 (port 2) could receive simultaneously.

For 6GHz function:

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

Ant. 5 (port 1) , Ant. 6 (port 2) , Ant. 7 (port 3) and Ant. 8 (port 4) could transmit/receive simultaneously.

For IEEE 802.11ax/be mode (2RX)

Ant. 9 (port 1) and Ant. 10 (port 2) could receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 11 (port 1) could transmit/receive.

For 802.15.4 function:

For IEEE 802.15.4 mode (1TX/1RX)

Ant. 11 (port 1) could transmit/receive.

1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_4TX	0.937	0.28	17.986m	100
802.11g_Nss1,(6Mbps)_4TX	0.938	0.28	1.978m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.762	1.18	5.445m	300
802.11ax HEW40_Nss1,(MCS0)_4TX	0.762	1.18	5.445m	300

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

Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.762	1.18	5.445m	300
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.762	1.18	5.445m	300

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

1.1.5 Table for Multiple Listing

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

Model Name	Description
FortiAP 441Kxxxxxx, FAP-441Kxxxxxx, FORTIAP-441Kxxxxxx (Where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)	All the models are identical, the different model served as marketing strategy.

From the above models, model: FAP-441K was selected as representative model for the test and its data was recorded in this report.

1.2 Testing Applied Standards

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

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

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

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 662911 D01 v02r01
- ♦ KDB 662911 D03 v01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456		FAX: 886-3-327-0973
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward Wang	22.1~23.6°C / 53~58%	19/Sep/2023
RF Conducted	TH07-HY	Xun Hsieh	23.1~24.1°C / 52~58%	20/Jul/2023~15/Sep/2023
Radiated	03CH02-HY	Henry Ho	23.1~25.6°C / 52.1~55.4%	12/Jul/2023~08/Aug/2023
☐	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.				
☒	Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)		
		TEL: 886-3-327-0868		
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated(Co-location)	03CH25-HY	Lego Lin	23.1~24.2°C / 53.5~60.2%	04/Oct/2023~06/Oct/2023

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	qdart_conn.win.1.0_installer_00099
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Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	20.5
2417MHz	20.5
2437MHz	23
2457MHz	22
2462MHz	23
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	22
2417MHz	23
2437MHz	23
2457MHz	23
2462MHz	22
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	21
2417MHz	23
2437MHz	23
2457MHz	23
2462MHz	22
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	18.5
2427MHz	20.5
2437MHz	21.5
2447MHz	20.5
2452MHz	21.5

**Beamforming**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	21
2417MHz	22
2437MHz	22
2457MHz	22
2462MHz	22
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	18.5
2427MHz	20.5
2437MHz	21.5
2447MHz	20.5
2452MHz	21.5

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	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
Operating Mode	CTX
1	Radio 1_2.4G+Radio 2_5G+Radio 3_6E+Bluetooth
2	Radio 1_2.4G+Radio 2_5G+Radio 3_6E+Zigbee
Refer to Sporton Test Report No.: FA370714 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	



2.3 Accessories

Accessories				
Bracket ceiling mount 1	Brand Name	DRAGONJET CORPORTION	Model Name	CLIP CEILING 9/16 LFP
Bracket ceiling mount 2	Brand Name	DRAGONJET CORPORTION	Model Name	CLIP CEILING 15/16 LFP

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

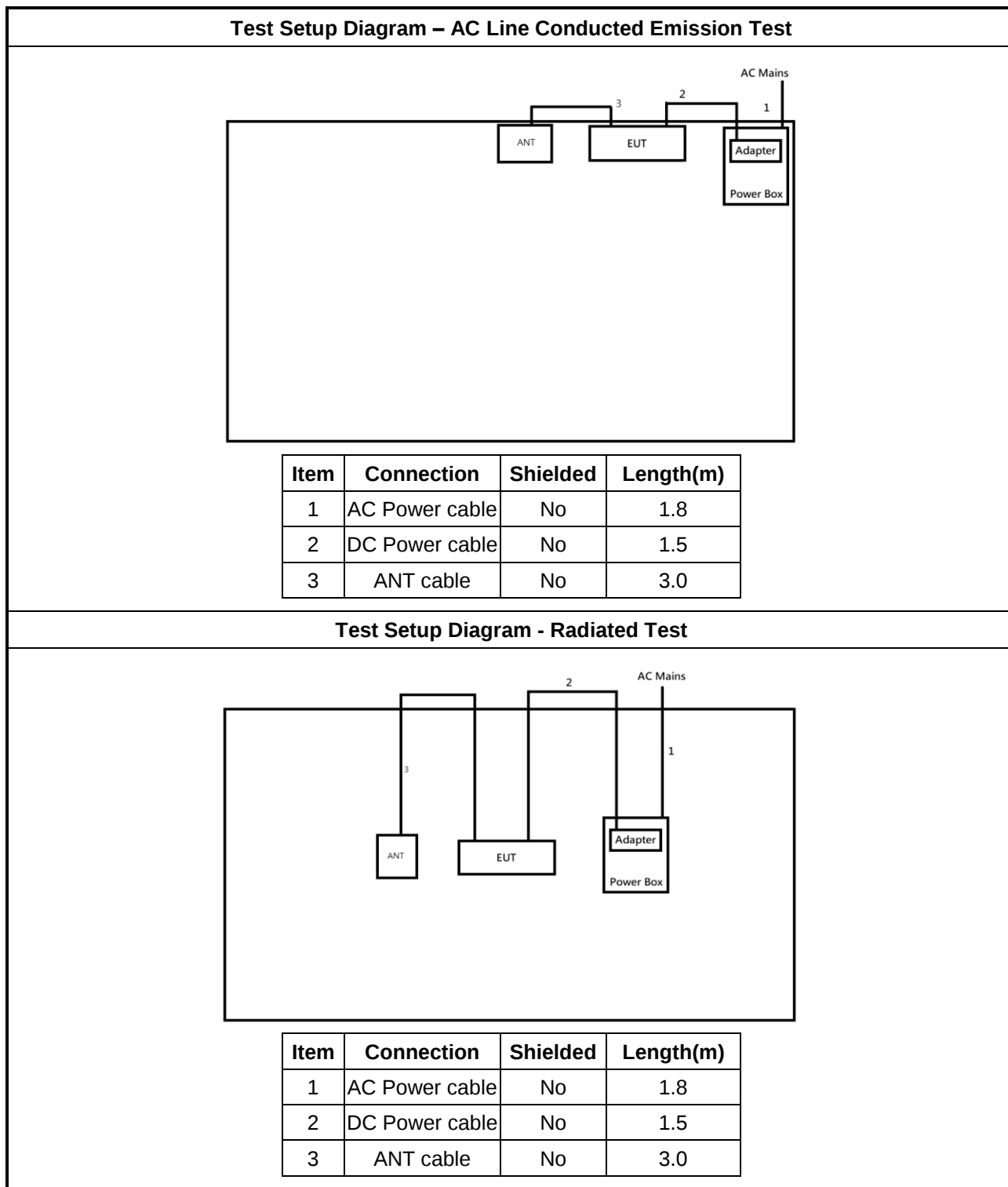
2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

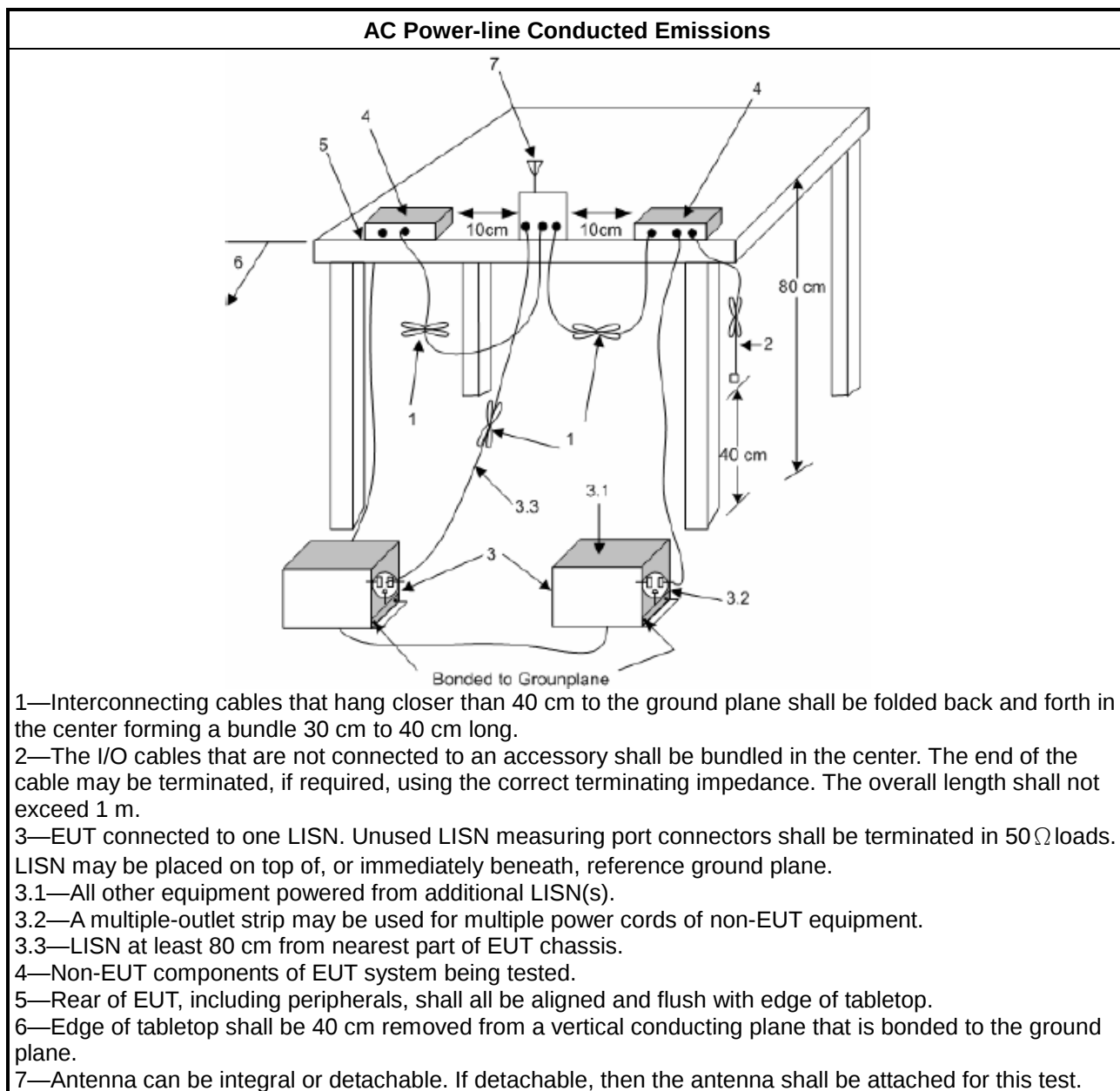
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

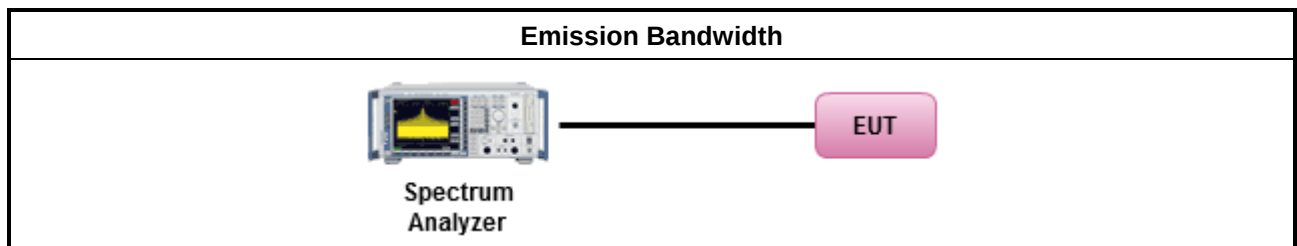
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:	
	2400-2483.5 MHz Band
	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	Smart antenna system (SAS)
	- Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

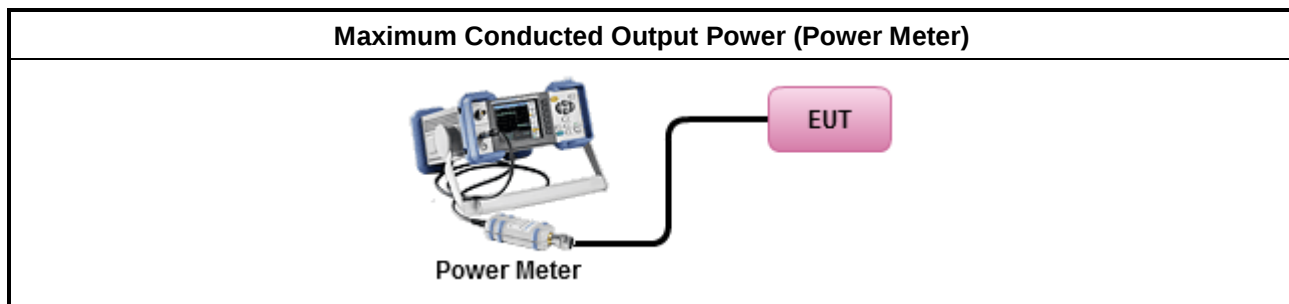
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

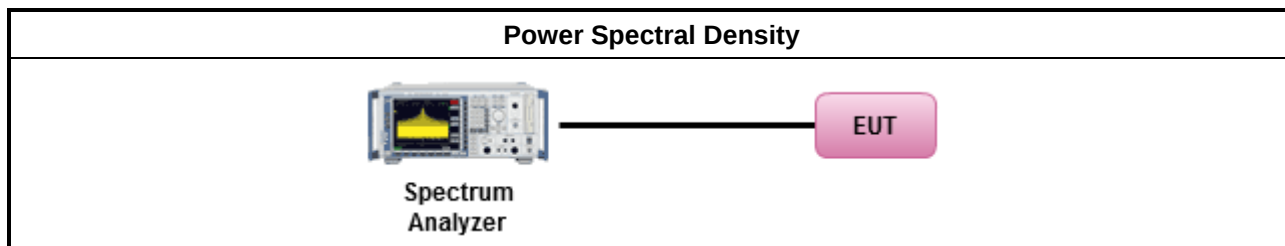
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
▪	For conducted measurement.
▪	If The EUT supports multiple transmit chains using options given below:
▪	Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.	

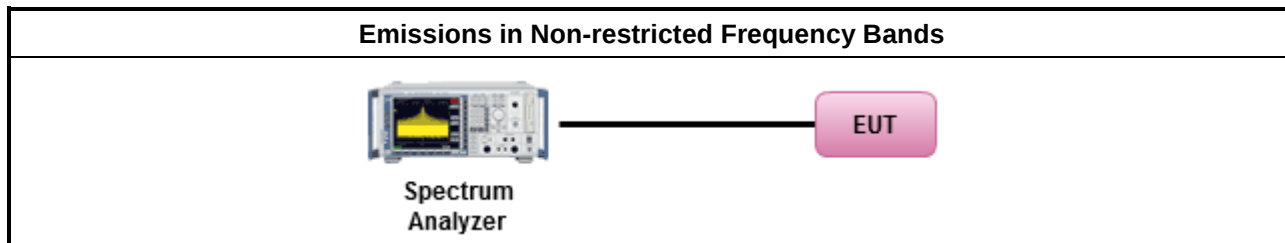
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

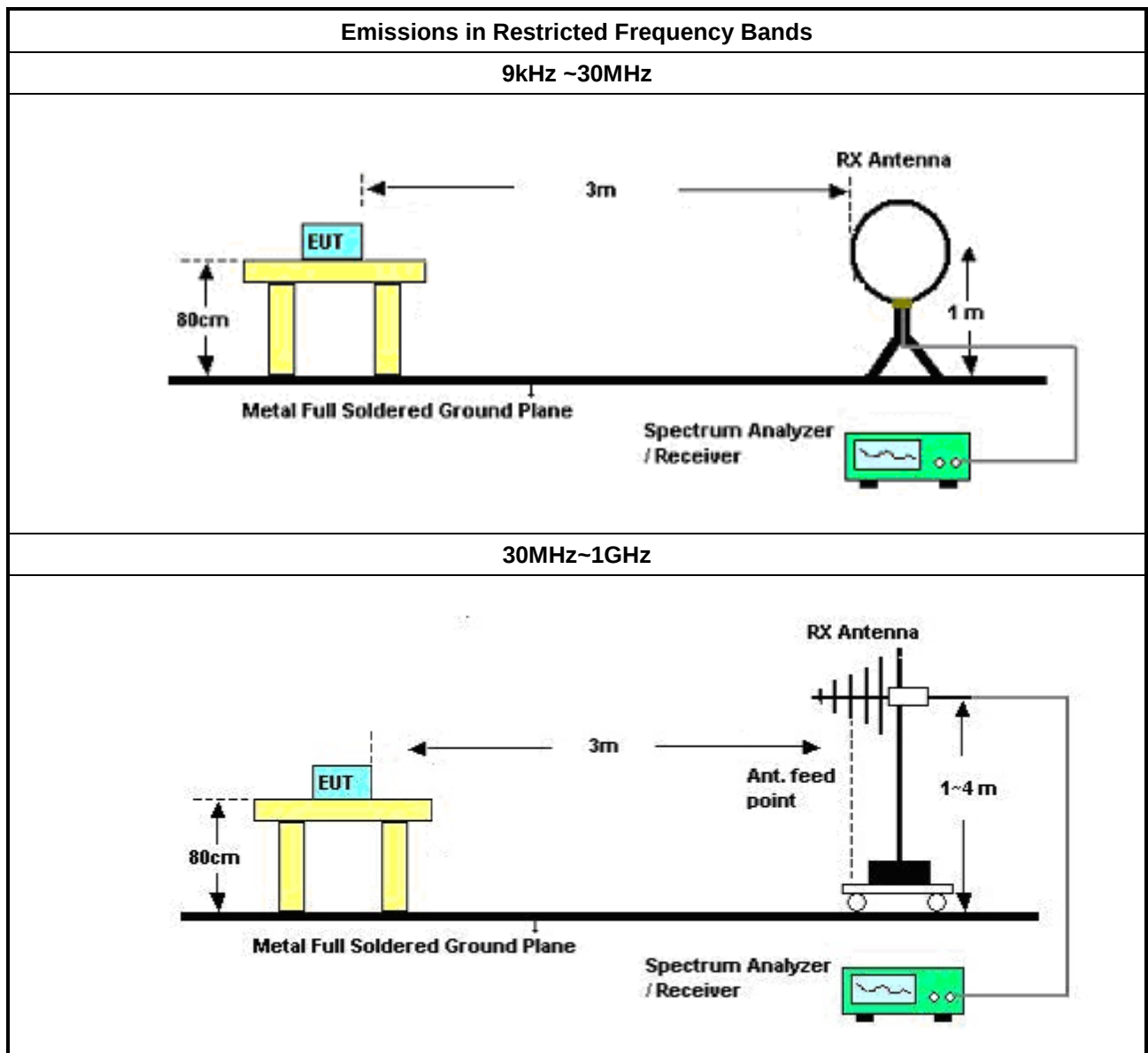
Test Method	
▪	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted emissions shall be measured using following options below:
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
▪	For the transmitter band-edge emissions shall be measured using following options below:
	Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
▪	Use the following spectrum analyzer settings:
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
▪	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

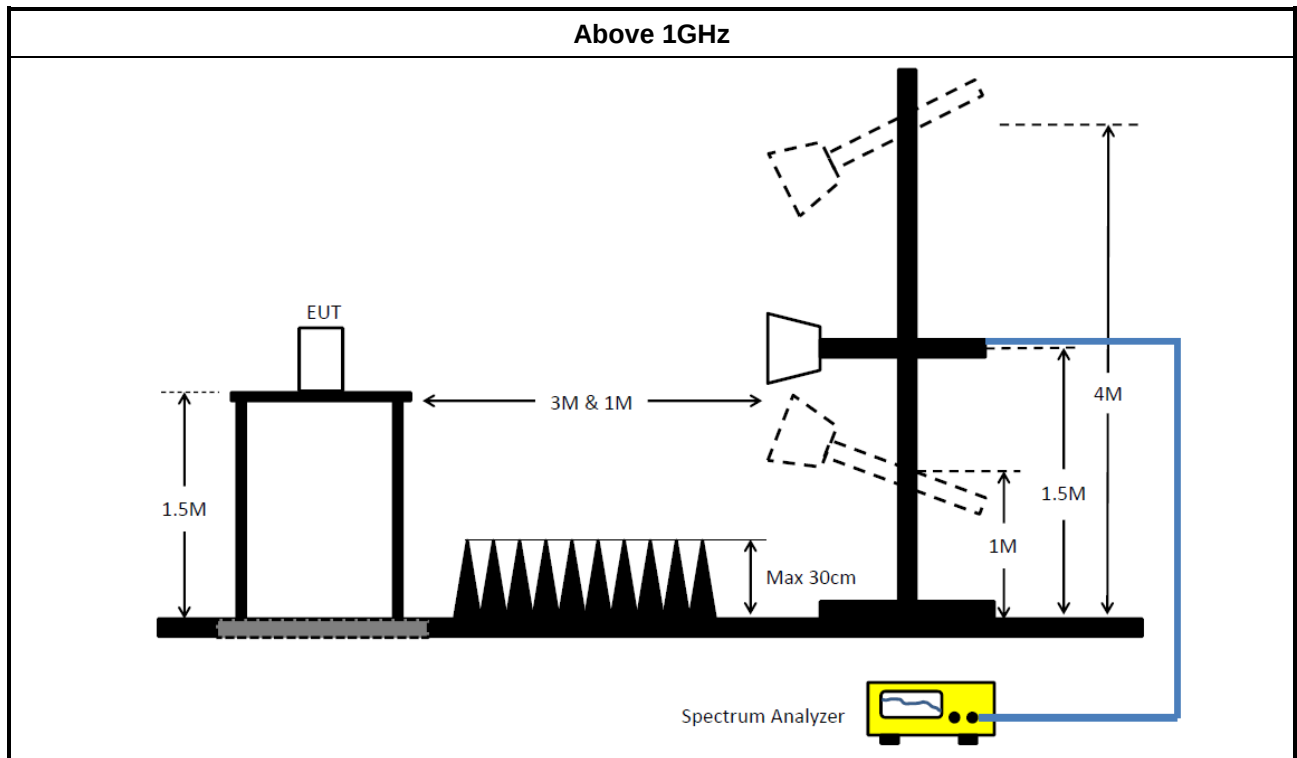
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	16/May/2023	15/May/2024
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	07/Sep/2023	06/Sep/2024
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	28/Feb/2023	27/Feb/2024
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	25/Oct/2022	24/Oct/2023
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	9kHz~40GHz	14/Feb/2023	13/Feb/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	14/Dec/2022	13/Dec/2023
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	14/Dec/2022	13/Dec/2023
SENSE-15247_DTS	Sporton	V5.11.7	N/A	N/A	N/A	N/A

**Instrument for Radiated Test**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	31/Jul/2022	30/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	29/Jul/2023	28/Jul/2024
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	28/Jul/2023	27/Jul/2024
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	25/Mar/2023	24/Mar/2024
Amplifier	Aglient	8447D	2944A11149	100kHz~1.3GHz	27/Jun/2023	26/Jun/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	27/Sep/2022	26/Sep/2023
Bilog Antenna & 6dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	9kHz~30MHz	20/Dec/2022	19/Dec/2023
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	30MHz~1GHz	20/Dec/2022	19/Dec/2023
RF Cable-R03m	HUBER+SUHNE R	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	10/Feb/2023	09/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	26/May/2023	25/May/2024
SENSE-15247-DTS	Sporton	V5.11.6	NA	NA	NA	NA

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	09/Aug/2023	08/Aug/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	12/Jul/2023	11/Jul/2024
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz ~18GHz	25/May/2023	24/May/2024
RF Cable	HUBER+SUHNE R	SUOFLEX 104	CB007	1GHz~40GHz	24/Apr/2023	23/Apr/2024
Amplifier	EM	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/Aug/2023	20/Aug/2024
SENSE-EMI	V5.10.11	NA	NA	NA	NA	NA



Conducted Emissions at Powerline_Non-Beamforming_Radio 1 Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	151.202k	49.53	65.92	-16.39	Line

Result

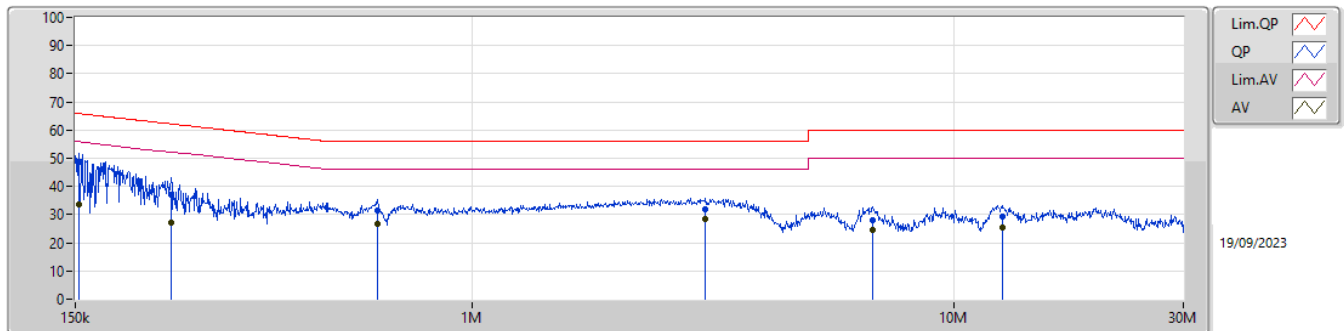
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	151.202k	49.53	65.92	-16.39	Line
Mode 1	Pass	AV	151.202k	33.59	55.92	-22.33	Line
Mode 1	Pass	QP	253.051k	34.21	61.66	-27.45	Line
Mode 1	Pass	AV	253.051k	24.88	51.66	-26.78	Line
Mode 1	Pass	QP	340.018k	29.26	59.19	-29.93	Line
Mode 1	Pass	AV	340.018k	23.65	49.19	-25.54	Line
Mode 1	Pass	QP	447.846k	29.35	56.92	-27.57	Line
Mode 1	Pass	AV	447.846k	24.78	46.92	-22.14	Line
Mode 1	Pass	QP	3.642M	30.86	56.00	-25.14	Line
Mode 1	Pass	AV	3.642M	26.57	46.00	-19.43	Line
Mode 1	Pass	QP	12.208M	25.22	60.00	-34.78	Line
Mode 1	Pass	AV	12.208M	21.82	50.00	-28.18	Line
Mode 1	Pass	QP	152.414k	48.57	65.87	-17.30	Neutral
Mode 1	Pass	AV	152.414k	33.43	55.87	-22.44	Neutral
Mode 1	Pass	QP	237.393k	36.96	62.20	-25.24	Neutral
Mode 1	Pass	AV	237.393k	27.05	52.20	-25.15	Neutral
Mode 1	Pass	QP	636.349k	31.26	56.00	-24.74	Neutral
Mode 1	Pass	AV	636.349k	26.83	46.00	-19.17	Neutral
Mode 1	Pass	QP	3.055M	32.03	56.00	-23.97	Neutral
Mode 1	Pass	AV	3.055M	28.40	46.00	-17.60	Neutral
Mode 1	Pass	QP	6.789M	28.05	60.00	-31.95	Neutral
Mode 1	Pass	AV	6.789M	24.72	50.00	-25.28	Neutral
Mode 1	Pass	QP	12.655M	29.35	60.00	-30.65	Neutral
Mode 1	Pass	AV	12.655M	25.47	50.00	-24.53	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	151.202k	49.53	65.92	-16.39	19.53	Line	-	30.00	9.57	0.03	9.93								
AV	151.202k	33.59	55.92	-22.33	19.53	Line	-	14.06	9.57	0.03	9.93								
QP	253.051k	34.21	61.66	-27.45	19.53	Line	-	14.68	9.56	0.03	9.94								
AV	253.051k	24.88	51.66	-26.78	19.53	Line	-	5.35	9.56	0.03	9.94								
QP	340.018k	29.26	59.19	-29.93	19.56	Line	-	9.70	9.57	0.04	9.95								
AV	340.018k	23.65	49.19	-25.54	19.56	Line	-	4.09	9.57	0.04	9.95								
QP	447.846k	29.35	56.92	-27.57	19.57	Line	-	9.78	9.57	0.04	9.96								
AV	447.846k	24.78	46.92	-22.14	19.57	Line	-	5.21	9.57	0.04	9.96								
QP	3.642M	30.86	56.00	-25.14	19.65	Line	-	11.21	9.60	0.12	9.93								
AV	3.642M	26.57	46.00	-19.43	19.65	Line	-	6.92	9.60	0.12	9.93								
QP	12.208M	25.22	60.00	-34.78	19.88	Line	-	5.34	9.71	0.21	9.96								
AV	12.208M	21.82	50.00	-28.18	19.88	Line	-	1.94	9.71	0.21	9.96								

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	152.414k	48.57	65.87	-17.30	19.58	Neutral	-	28.99	9.62	0.03	9.93								
AV	152.414k	33.43	55.87	-22.44	19.58	Neutral	-	13.85	9.62	0.03	9.93								
QP	237.393k	36.96	62.20	-25.24	19.59	Neutral	-	17.37	9.62	0.03	9.94								
AV	237.393k	27.05	52.20	-25.15	19.59	Neutral	-	7.46	9.62	0.03	9.94								
QP	636.349k	31.26	56.00	-24.74	19.62	Neutral	-	11.64	9.62	0.05	9.95								
AV	636.349k	26.83	46.00	-19.17	19.62	Neutral	-	7.21	9.62	0.05	9.95								
QP	3.055M	32.03	56.00	-23.97	19.69	Neutral	-	12.34	9.65	0.11	9.93								
AV	3.055M	28.40	46.00	-17.60	19.69	Neutral	-	8.71	9.65	0.11	9.93								
QP	6.789M	28.05	60.00	-31.95	19.86	Neutral	-	8.19	9.75	0.16	9.95								
AV	6.789M	24.72	50.00	-25.28	19.86	Neutral	-	4.86	9.75	0.16	9.95								
QP	12.655M	29.35	60.00	-30.65	20.03	Neutral	-	9.32	9.85	0.21	9.97								
AV	12.655M	25.47	50.00	-24.53	20.03	Neutral	-	5.44	9.85	0.21	9.97								

**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)_4TX	8.025M	13.118M	13M1G1D	6.575M	12.594M
802.11g_Nss1,(6Mbps)_4TX	16.375M	16.602M	16M6D1D	14.025M	16.118M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.15M	19.115M	19M1D1D	16.975M	18.891M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.15M	37.881M	37M9D1D	31M	37.281M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.125M	12.639M	7.775M	12.594M	7.025M	12.654M	6.875M	12.669M
2437MHz	Pass	500k	8.025M	12.834M	7.55M	13.013M	7.1M	13.073M	6.575M	13.028M
2462MHz	Pass	500k	7.525M	12.969M	6.6M	12.954M	7.375M	13.118M	8.025M	12.939M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.05M	16.316M	16.175M	16.382M	14.025M	16.118M	16.325M	16.36M
2437MHz	Pass	500k	16.3M	16.382M	16.375M	16.58M	15.9M	16.25M	16.3M	16.602M
2462MHz	Pass	500k	16.35M	16.404M	16.375M	16.382M	15.8M	16.184M	16.025M	16.36M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	19.1M	18.916M	16.975M	18.891M	18.9M	18.916M	17.875M	18.941M
2437MHz	Pass	500k	19.15M	18.991M	19.05M	19.115M	19.125M	19.09M	19.025M	19.065M
2462MHz	Pass	500k	19.125M	19.04M	19.1M	19.065M	19.1M	19.015M	19.05M	18.916M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.95M	37.381M	37.5M	37.731M	38.05M	37.831M	35.1M	37.581M
2437MHz	Pass	500k	36.5M	37.281M	38.15M	37.781M	38.1M	37.881M	38.15M	37.781M
2452MHz	Pass	500k	36.3M	37.381M	31M	37.581M	37.9M	37.781M	37.4M	37.531M

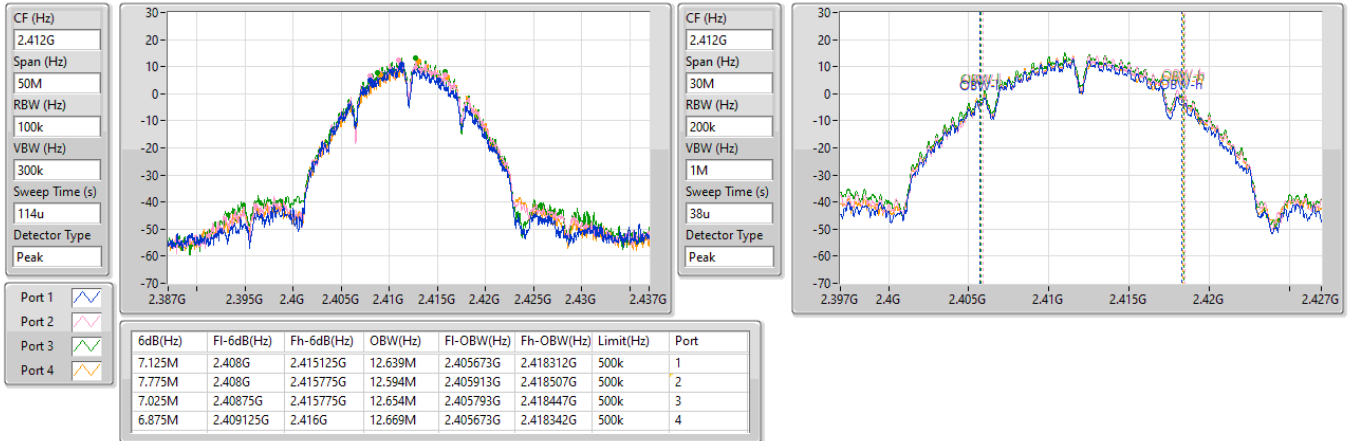
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

EBW

2412MHz

08/08/2023

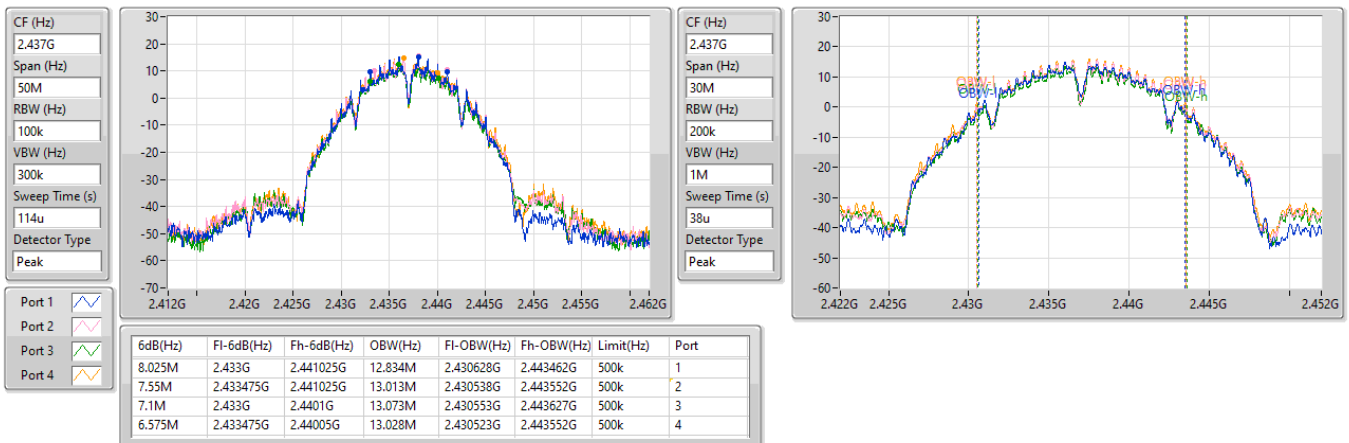


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

EBW

2437MHz

20/07/2023

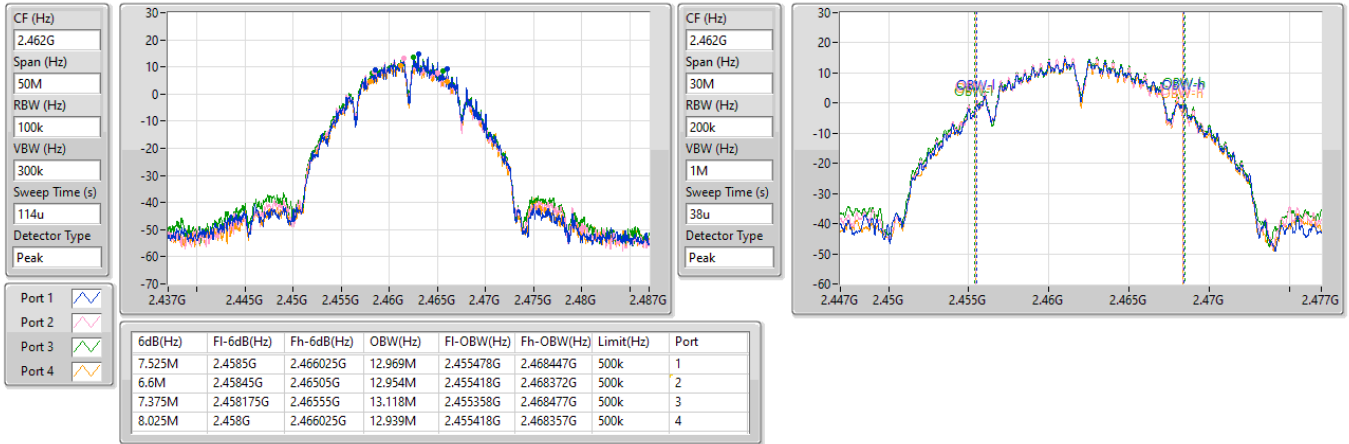


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

EBW

2462MHz

20/07/2023

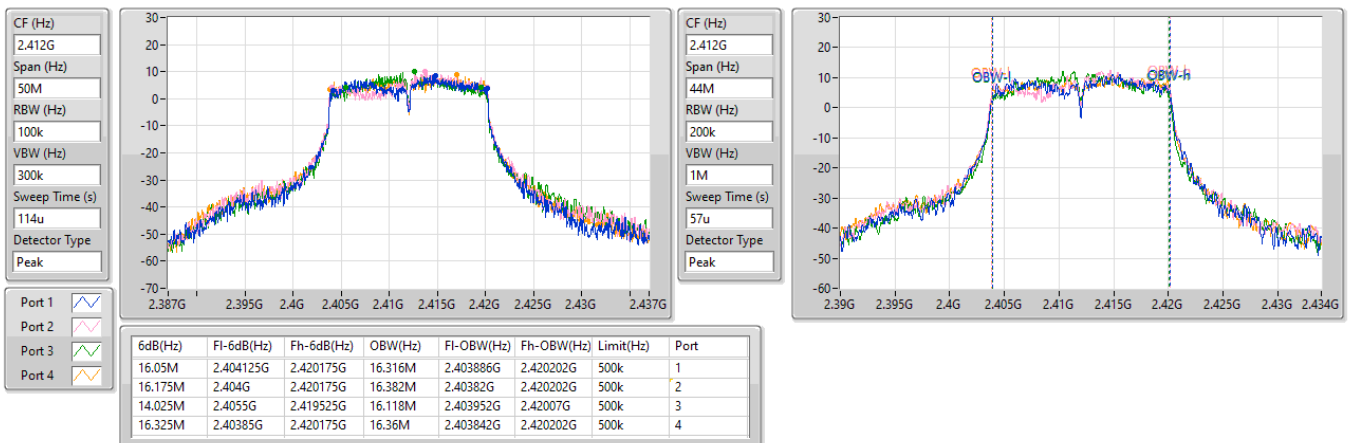


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

EBW

2412MHz

28/07/2023

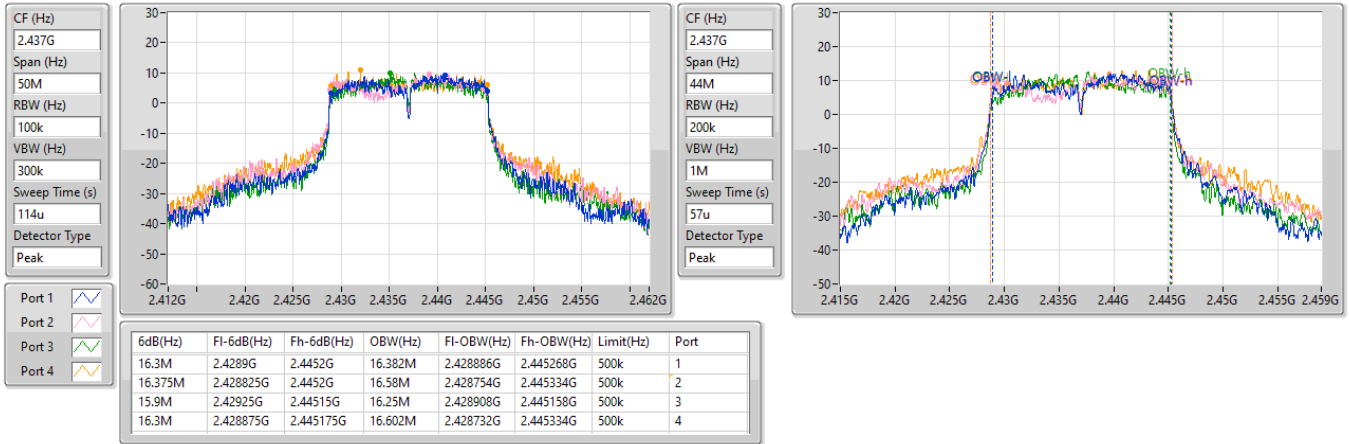


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

EBW

2437MHz

28/07/2023

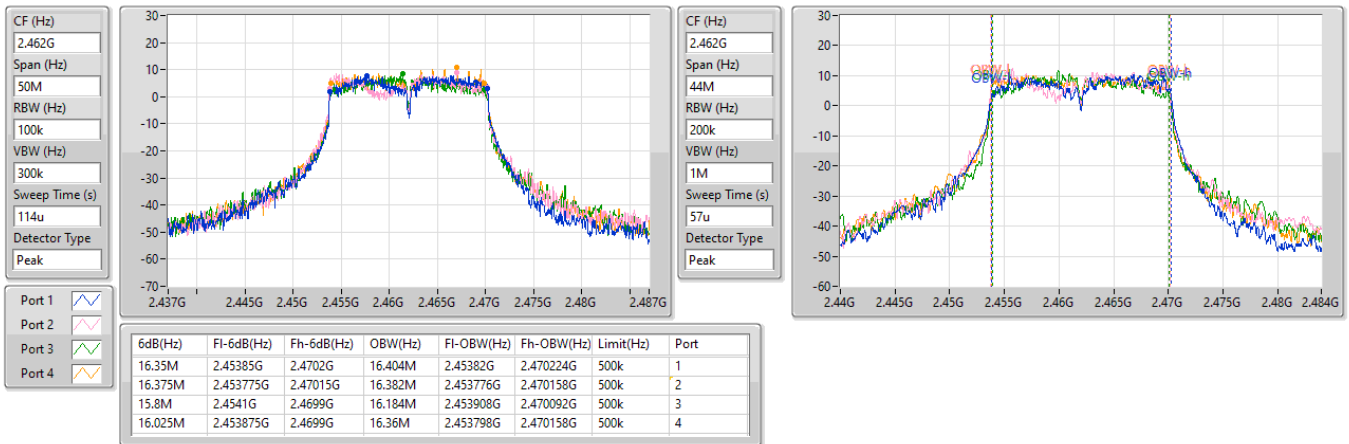


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

EBW

2462MHz

28/07/2023

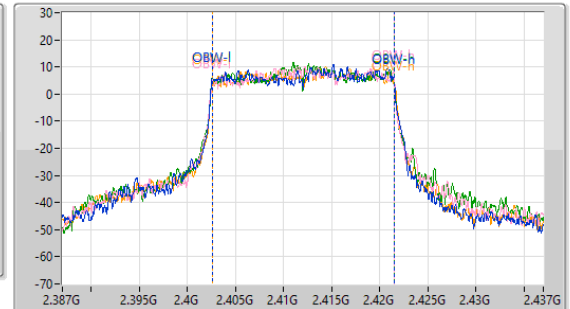
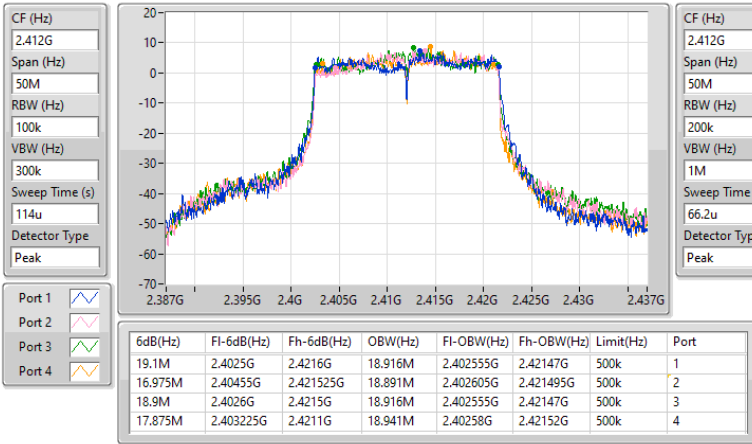


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

2412MHz

20/07/2023

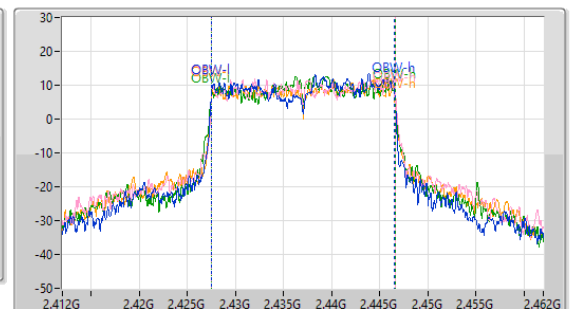
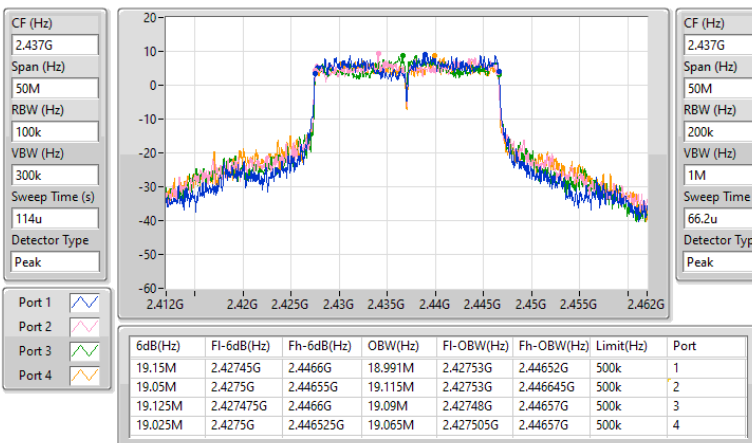


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

2437MHz

20/07/2023

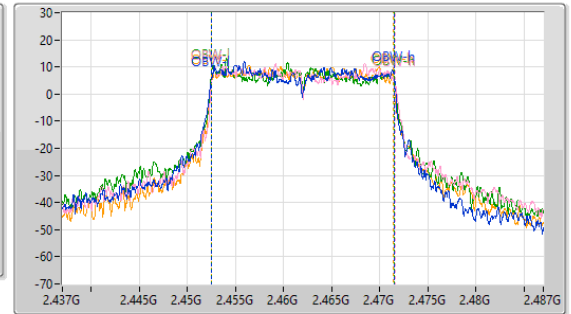
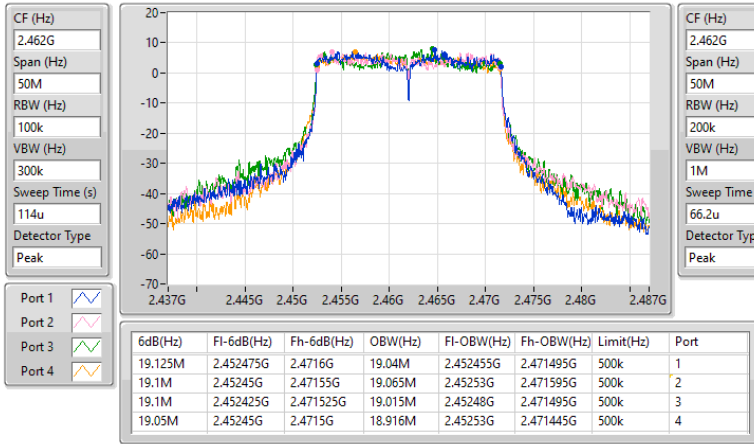


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

2462MHz

20/07/2023

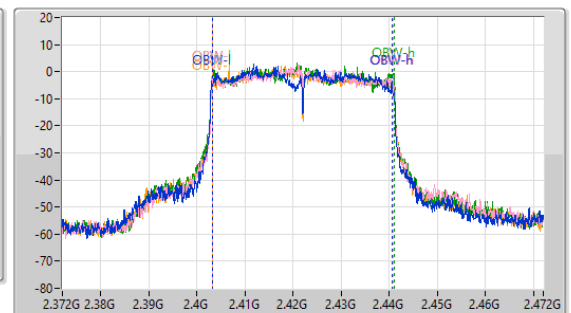
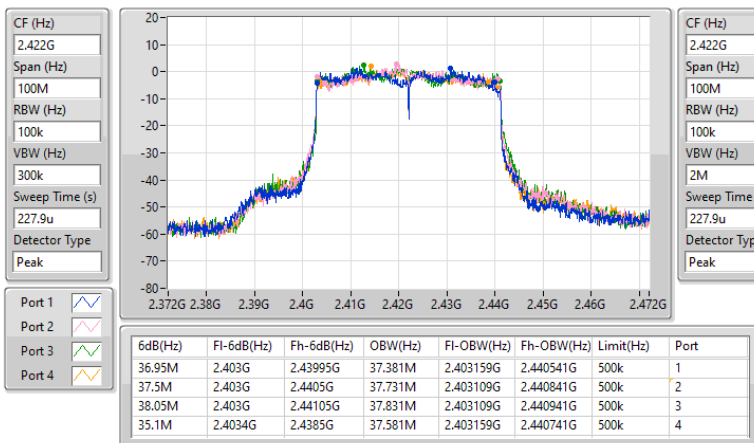


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

2422MHz

20/07/2023

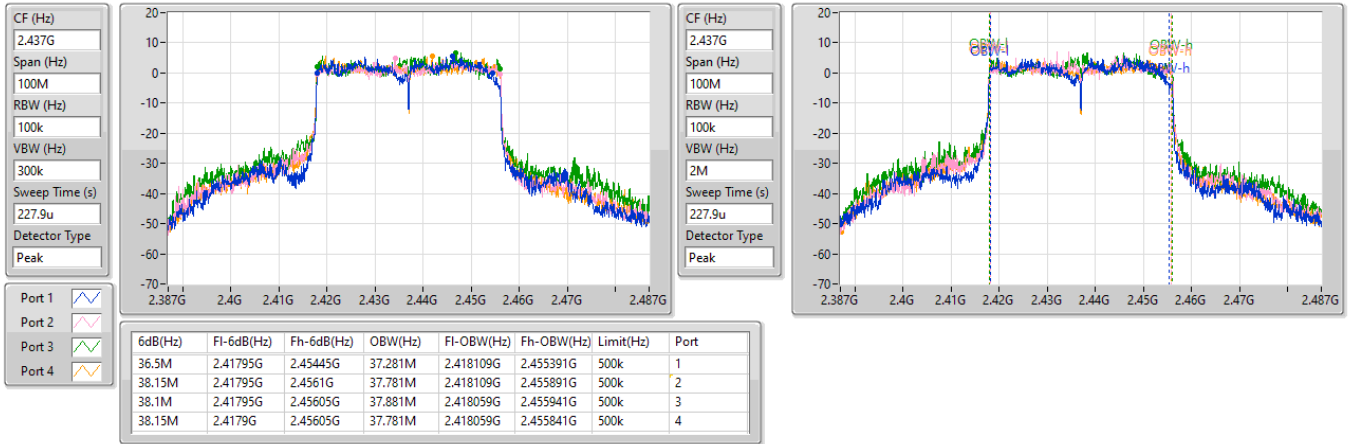


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

2437MHz

20/07/2023

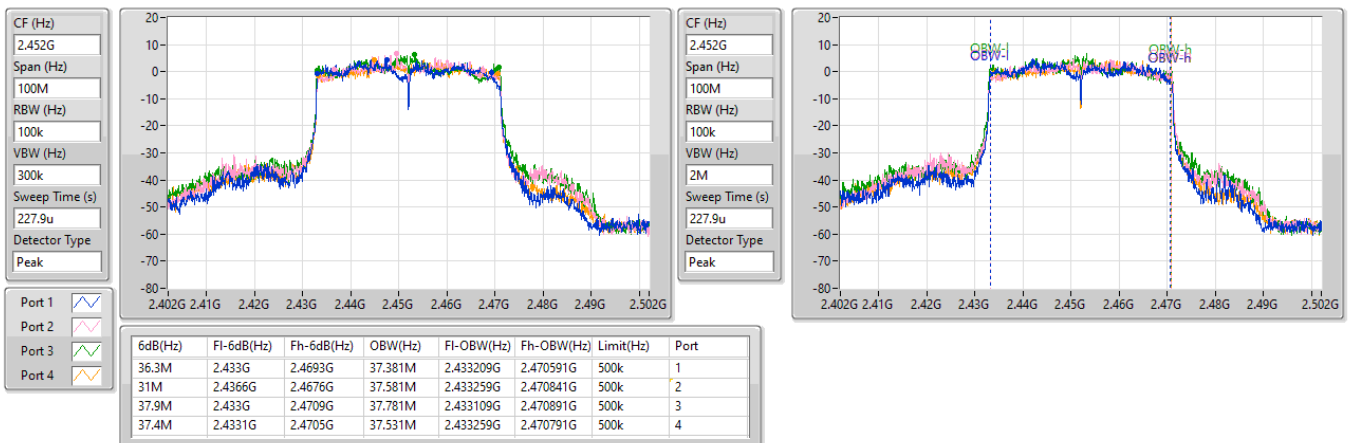


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

2452MHz

20/07/2023





Average Power_Non-Beamforming_Radio 1

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.16	0.82414
802.11g_Nss1,(6Mbps)_4TX	29.30	0.85114
802.11ax HEW20_Nss1,(MCS0)_4TX	29.42	0.87498
802.11ax HEW40_Nss1,(MCS0)_4TX	28.48	0.70469



Average Power_Non-Beamforming_Radio 1

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.38	20.41	21.40	22.70	21.70	27.65	30.00
2417MHz	Pass	3.38	20.51	21.91	22.77	21.90	27.87	30.00
2437MHz	Pass	3.38	23.28	23.27	22.32	23.60	29.16	30.00
2457MHz	Pass	3.38	21.84	22.90	23.13	23.33	28.86	30.00
2462MHz	Pass	3.38	22.62	22.89	23.18	22.17	28.75	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.38	21.89	22.47	22.40	22.25	28.28	30.00
2417MHz	Pass	3.38	22.95	23.36	23.35	23.44	29.30	30.00
2437MHz	Pass	3.38	23.34	22.88	23.00	23.23	29.14	30.00
2457MHz	Pass	3.38	22.73	23.08	22.91	23.46	29.07	30.00
2462MHz	Pass	3.38	21.98	21.92	21.71	22.31	28.01	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.38	21.26	21.35	21.76	21.12	27.40	30.00
2417MHz	Pass	3.38	23.27	22.96	23.64	23.27	29.31	30.00
2437MHz	Pass	3.38	23.74	23.24	23.53	23.06	29.42	30.00
2457MHz	Pass	3.38	23.15	23.37	23.26	23.24	29.28	30.00
2462MHz	Pass	3.38	22.39	22.40	22.08	22.11	28.27	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.38	18.61	18.69	19.08	18.50	24.75	30.00
2427MHz	Pass	3.38	20.71	20.65	21.35	20.82	26.91	30.00
2437MHz	Pass	3.38	22.28	22.34	22.85	22.35	28.48	30.00
2447MHz	Pass	3.38	20.70	20.78	21.45	20.74	26.95	30.00
2452MHz	Pass	3.38	21.36	21.61	22.12	21.09	27.58	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)_4TX	28.29	0.67453
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	28.34	0.68234



Average Power_Beamforming_Radio 1

Appendix C.2

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.91	21.12	21.23	21.66	20.97	27.27	29.09
2417MHz	Pass	6.91	22.13	21.82	22.53	22.12	28.18	29.09
2437MHz	Pass	6.91	22.62	22.11	22.39	21.93	28.29	29.09
2457MHz	Pass	6.91	22.01	22.23	22.16	22.09	28.14	29.09
2462MHz	Pass	6.91	22.27	22.29	21.98	21.98	28.15	29.09
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.91	18.46	18.58	18.96	18.35	24.61	29.09
2427MHz	Pass	6.91	20.61	20.54	21.21	20.68	26.79	29.09
2437MHz	Pass	6.91	22.13	22.19	22.71	22.23	28.34	29.09
2447MHz	Pass	6.91	20.60	20.65	21.34	20.64	26.84	29.09
2452MHz	Pass	6.91	21.21	21.49	22.02	20.98	27.46	29.09

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	4.24
802.11g_Nss1,(6Mbps)_4TX	0.51
802.11ax HEW20_Nss1,(MCS0)_4TX	0.09
802.11ax HEW40_Nss1,(MCS0)_4TX	-3.39

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.91	-4.09	-2.55	-1.38	-3.09	2.36	7.09
2437MHz	Pass	6.91	0.81	-0.21	-2.51	0.75	4.24	7.09
2462MHz	Pass	6.91	-1.58	-0.89	-0.63	-2.11	4.20	7.09
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.91	-4.01	-4.06	-4.22	-6.27	-0.21	7.09
2437MHz	Pass	6.91	-3.42	-4.63	-4.44	-4.82	0.51	7.09
2462MHz	Pass	6.91	-5.69	-5.24	-6.22	-6.54	-1.09	7.09
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	6.91	-4.86	-4.99	-3.70	-5.01	-1.78	7.09
2437MHz	Pass	6.91	-3.01	-3.13	-2.32	-4.06	0.09	7.09
2462MHz	Pass	6.91	-4.96	-4.22	-3.74	-3.81	-2.05	7.09
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.91	-10.46	-9.85	-9.62	-10.12	-7.26	7.09
2437MHz	Pass	6.91	-6.55	-6.83	-6.50	-6.43	-3.39	7.09
2452MHz	Pass	6.91	-7.12	-8.36	-6.92	-7.45	-4.33	7.09

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

08/08/2023

CF (Hz)
2.412G

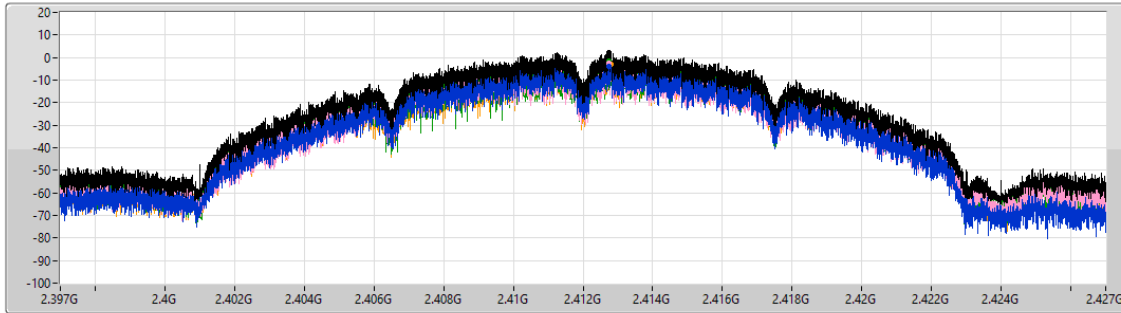
Span (Hz)
30M

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
4.424m

Detector Type
Peak



Sum ☐

Port 1 ☐

Port 2 ☐

Port 3 ☐

Port 4 ☐

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.36	2.36	-4.09	-2.55	-1.38	-3.09

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

20/07/2023

CF (Hz)
2.437G

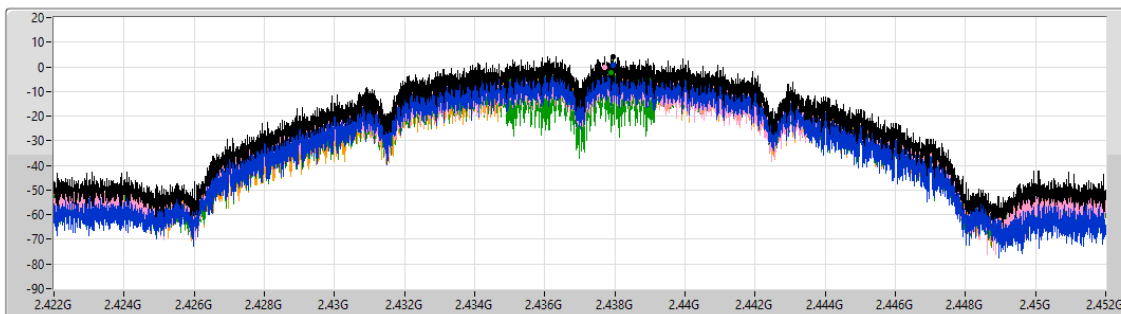
Span (Hz)
30M

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
4.424m

Detector Type
Peak



Sum ☐

Port 1 ☐

Port 2 ☐

Port 3 ☐

Port 4 ☐

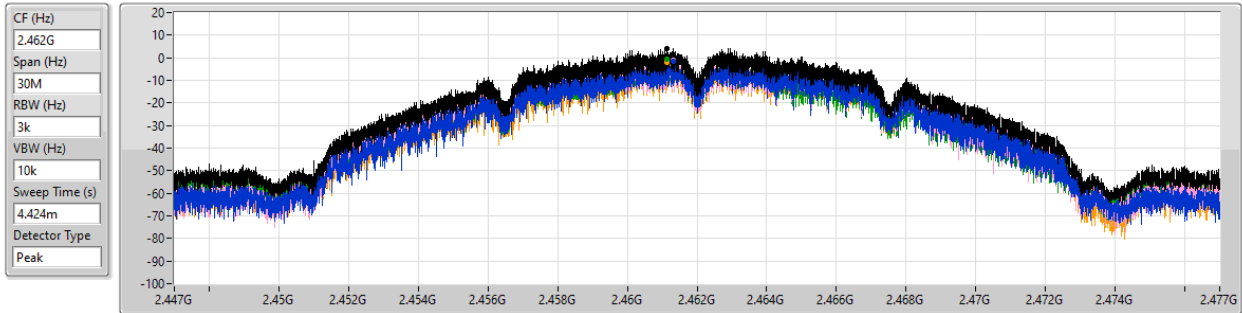
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.24	4.24	0.81	-0.21	-2.51	0.75

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

PSD

2462MHz

20/07/2023



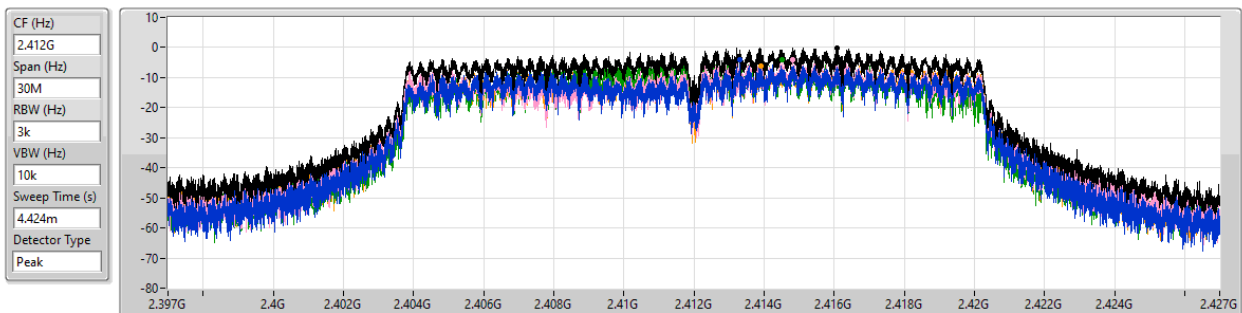
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.20	4.20	-1.58	-0.89	-0.63	-2.11

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

28/07/2023



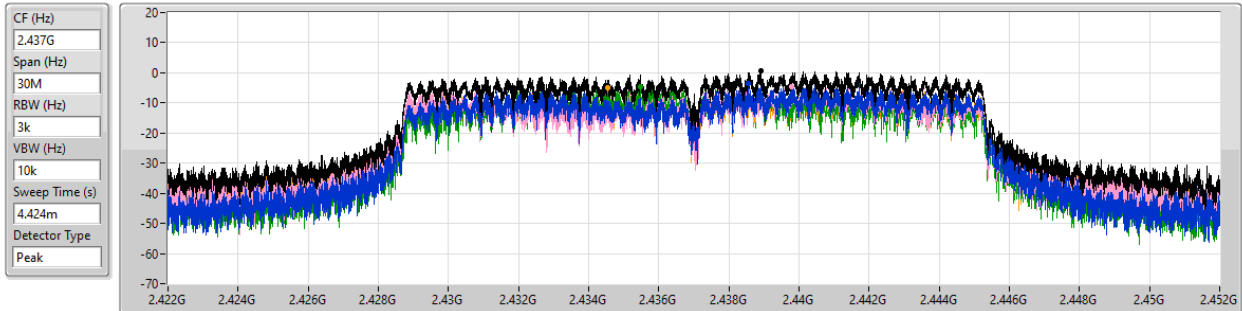
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.21	-0.21	-4.01	-4.06	-4.22	-6.27

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

PSD

2437MHz

28/07/2023



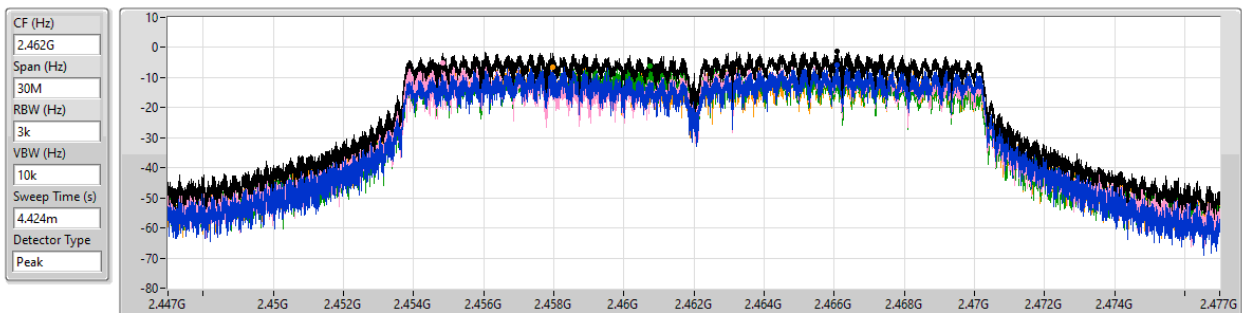
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.51	0.51	-3.42	-4.63	-4.44	-4.82

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

PSD

2462MHz

28/07/2023



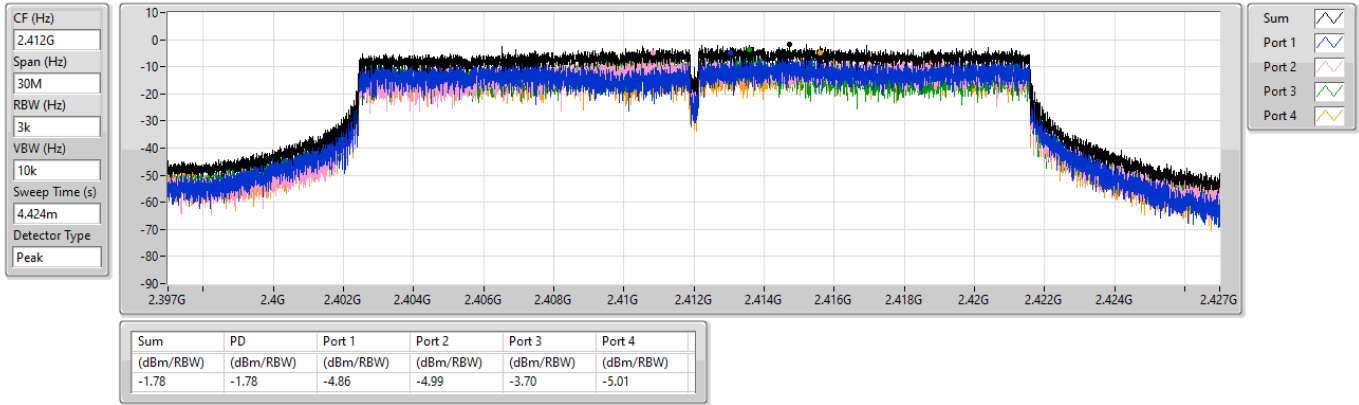
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.09	-1.09	-5.69	-5.24	-6.22	-6.54

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2412MHz

20/07/2023

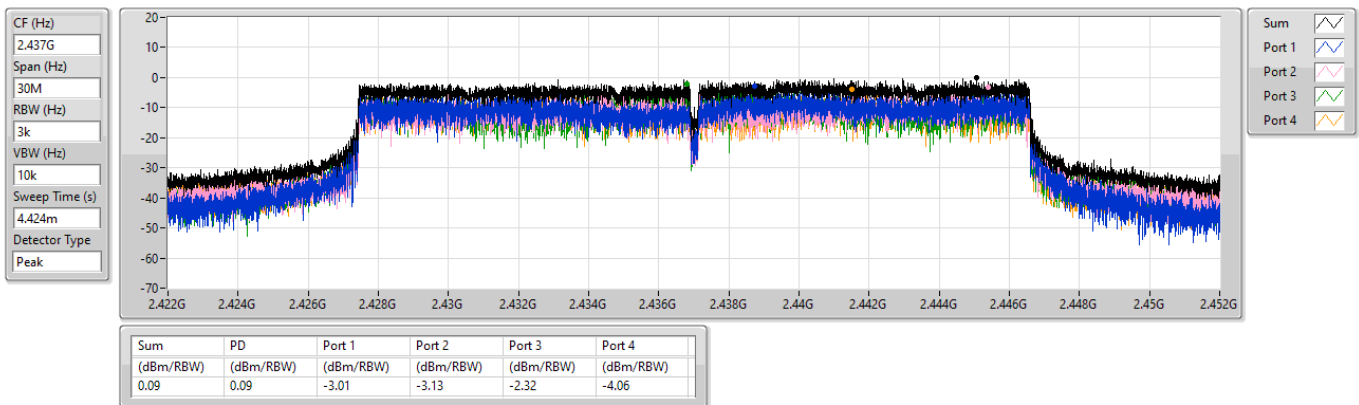


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2437MHz

20/07/2023



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2462MHz

20/07/2023

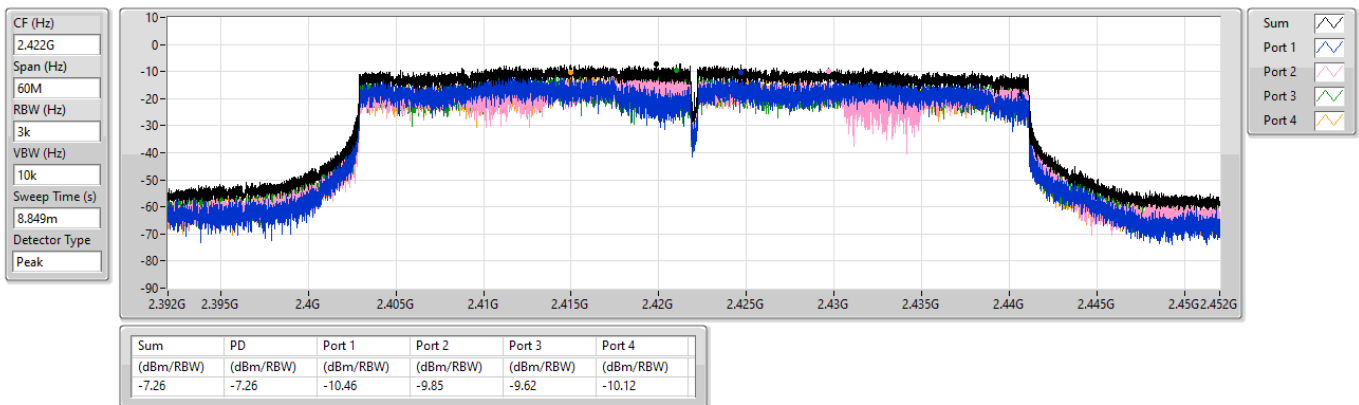


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2422MHz

20/07/2023

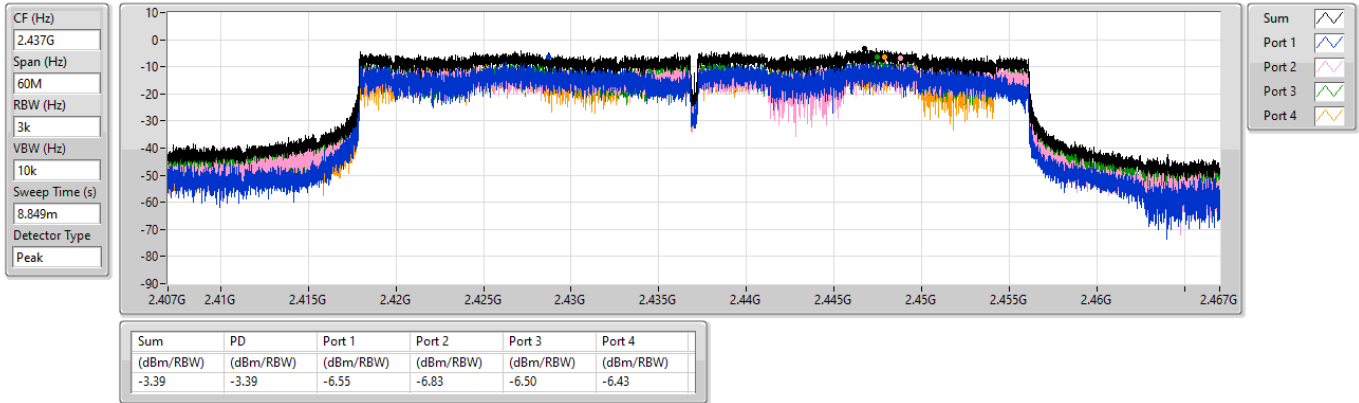


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2437MHz

20/07/2023

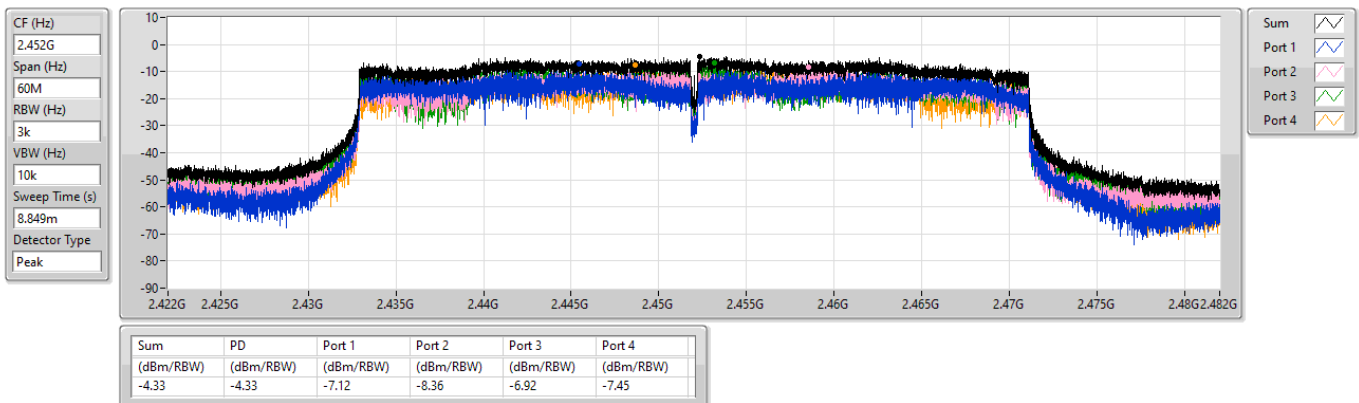


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2452MHz

20/07/2023



**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)_4TX	Pass	2.43791G	15.93	-14.07	2.14681G	-53.52	2.39656G	-36.39	2.4G	-40.30	2.5139G	-52.49	24.46337G	-42.24	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.44192G	12.64	-17.36	1.95691G	-54.44	2.4G	-27.21	2.4G	-27.20	2.52342G	-53.08	16.8916G	-41.79	4
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.43206G	12.61	-17.39	2.1037G	-53.51	2.39984G	-27.55	2.4G	-27.10	2.5223G	-52.32	16.55165G	-42.04	1
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.44075G	8.27	-21.73	1.96276G	-54.16	2.39616G	-28.22	2.4G	-29.13	2.5003G	-52.43	16.78824G	-42.43	3

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)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43791G	15.93	-14.07	2.18176G	-54.41	2.39848G	-40.23	2.4G	-42.61	2.50406G	-52.83	15.23677G	-42.05	1
2412MHz	Pass	2.43791G	15.93	-14.07	2.16312G	-53.76	2.39856G	-38.66	2.4G	-41.18	2.5175G	-52.02	17.20346G	-42.44	2
2412MHz	Pass	2.43791G	15.93	-14.07	2.14681G	-53.52	2.39656G	-36.39	2.4G	-40.30	2.5139G	-52.49	24.46337G	-42.24	3
2412MHz	Pass	2.43791G	15.93	-14.07	2.15846G	-53.49	2.39848G	-37.86	2.4G	-40.52	2.51966G	-52.99	24.59542G	-42.15	4
2437MHz	Pass	2.43791G	15.93	-14.07	2.11768G	-54.95	2.39632G	-45.89	2.4G	-48.58	2.51462G	-52.62	23.39574G	-42.62	1
2437MHz	Pass	2.43791G	15.93	-14.07	2.08273G	-54.73	2.39104G	-48.68	2.4G	-50.20	2.50222G	-52.70	17.01241G	-41.08	2
2437MHz	Pass	2.43791G	15.93	-14.07	2.18176G	-54.52	2.39832G	-48.91	2.4G	-47.27	2.5003G	-51.98	23.18783G	-42.03	3
2437MHz	Pass	2.43791G	15.93	-14.07	2.1771G	-54.34	2.39456G	-48.22	2.4G	-48.50	2.52278G	-52.88	16.55446G	-42.02	4
2462MHz	Pass	2.43791G	15.93	-14.07	2.08506G	-54.30	2.39304G	-49.45	2.4G	-49.65	2.51398G	-52.86	16.87475G	-41.56	1
2462MHz	Pass	2.43791G	15.93	-14.07	1.97206G	-54.83	2.39608G	-49.89	2.4G	-51.67	2.50518G	-51.92	16.9506G	-41.45	2
2462MHz	Pass	2.43791G	15.93	-14.07	1.93361G	-54.54	2.396G	-47.60	2.4G	-48.57	2.50262G	-51.60	16.85508G	-42.43	3
2462MHz	Pass	2.43791G	15.93	-14.07	2.15613G	-55.13	2.39728G	-49.16	2.4G	-51.56	2.51142G	-52.59	16.58817G	-41.66	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	12.64	-17.36	2.10836G	-54.60	2.39984G	-30.96	2.4G	-29.91	2.5147G	-52.18	17.43666G	-42.32	1
2412MHz	Pass	2.44192G	12.64	-17.36	2.11885G	-53.91	2.39984G	-27.70	2.4G	-28.04	2.51142G	-53.04	24.84266G	-41.46	2
2412MHz	Pass	2.44192G	12.64	-17.36	2.30292G	-53.42	2.39992G	-28.52	2.4G	-28.98	2.51662G	-52.98	23.44069G	-42.75	3
2412MHz	Pass	2.44192G	12.64	-17.36	1.95691G	-54.44	2.4G	-27.21	2.4G	-27.20	2.52342G	-53.08	16.8916G	-41.79	4
2437MHz	Pass	2.44192G	12.64	-17.36	2.15613G	-54.42	2.3996G	-44.45	2.4G	-45.93	2.51534G	-53.13	16.61346G	-42.51	1
2437MHz	Pass	2.44192G	12.64	-17.36	2.18525G	-54.60	2.39928G	-43.26	2.4G	-44.10	2.50206G	-51.77	24.93538G	-42.72	2
2437MHz	Pass	2.44192G	12.64	-17.36	2.07691G	-53.00	2.39984G	-46.21	2.4G	-46.35	2.50166G	-52.67	15.04853G	-42.13	3
2437MHz	Pass	2.44192G	12.64	-17.36	2.11419G	-54.10	2.39992G	-42.76	2.4G	-43.86	2.5019G	-52.01	15.13844G	-42.54	4
2462MHz	Pass	2.44192G	12.64	-17.36	2.12584G	-54.02	2.39632G	-49.11	2.4G	-50.98	2.5079G	-52.69	16.64155G	-42.10	1
2462MHz	Pass	2.44192G	12.64	-17.36	2.09438G	-54.57	2.39496G	-49.38	2.4G	-50.82	2.52142G	-52.52	15.0401G	-41.50	2
2462MHz	Pass	2.44192G	12.64	-17.36	2.14215G	-54.06	2.39544G	-49.07	2.4G	-47.76	2.51334G	-52.75	16.48422G	-42.11	3
2462MHz	Pass	2.44192G	12.64	-17.36	2.30525G	-54.51	2.39792G	-49.80	2.4G	-52.06	2.50438G	-52.15	16.90003G	-42.57	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43206G	12.61	-17.39	2.1037G	-53.51	2.39984G	-27.55	2.4G	-27.10	2.5223G	-52.32	16.55165G	-42.04	1
2412MHz	Pass	2.43206G	12.61	-17.39	2.13749G	-54.18	2.4G	-29.74	2.4G	-28.94	2.51734G	-52.76	17.45632G	-41.81	2
2412MHz	Pass	2.43206G	12.61	-17.39	2.17943G	-54.40	2.4G	-28.60	2.4G	-27.91	2.5111G	-51.92	16.89441G	-42.32	3
2412MHz	Pass	2.43206G	12.61	-17.39	2.04079G	-54.36	2.39992G	-28.40	2.4G	-27.84	2.5099G	-52.38	16.8916G	-41.88	4
2437MHz	Pass	2.43206G	12.61	-17.39	2.15147G	-54.41	2.39952G	-39.81	2.4G	-40.89	2.50886G	-51.25	24.96067G	-41.77	1
2437MHz	Pass	2.43206G	12.61	-17.39	1.78799G	-54.30	2.4G	-40.71	2.4G	-41.46	2.5155G	-51.78	16.58255G	-42.02	2
2437MHz	Pass	2.43206G	12.61	-17.39	2.09555G	-54.63	2.39968G	-41.85	2.4G	-43.18	2.50286G	-52.62	16.55726G	-41.86	3
2437MHz	Pass	2.43206G	12.61	-17.39	2.12933G	-54.53	2.39944G	-41.21	2.4G	-41.49	2.5079G	-52.20	16.84946G	-41.36	4
2462MHz	Pass	2.43206G	12.61	-17.39	2.13166G	-53.88	2.3952G	-50.08	2.4G	-50.62	2.5011G	-52.27	16.73989G	-41.76	1
2462MHz	Pass	2.43206G	12.61	-17.39	2.19807G	-53.72	2.39904G	-50.79	2.4G	-50.89	2.52038G	-51.77	23.26931G	-42.07	2
2462MHz	Pass	2.43206G	12.61	-17.39	2.17593G	-53.82	2.39688G	-50.00	2.4G	-51.98	2.5139G	-51.50	16.71179G	-41.67	3
2462MHz	Pass	2.43206G	12.61	-17.39	1.74838G	-52.90	2.398G	-49.53	2.4G	-51.44	2.5099G	-52.16	16.70898G	-41.45	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	8.27	-21.73	2.07612G	-53.79	2.39456G	-37.65	2.4G	-35.30	2.53326G	-52.11	17.01261G	-41.69	1
2422MHz	Pass	2.44075G	8.27	-21.73	1.96047G	-53.79	2.39984G	-34.64	2.4G	-33.46	2.51118G	-52.05	23.47712G	-42.28	2
2422MHz	Pass	2.44075G	8.27	-21.73	2.15512G	-53.34	2.4G	-32.17	2.4G	-34.13	2.53998G	-52.71	16.56107G	-41.10	3
2422MHz	Pass	2.44075G	8.27	-21.73	2.10932G	-54.11	2.39968G	-35.81	2.4G	-32.75	2.50622G	-53.25	16.67045G	-40.76	4
2437MHz	Pass	2.44075G	8.27	-21.73	2.1265G	-53.84	2.39824G	-32.06	2.4G	-33.41	2.52094G	-52.96	15.04941G	-41.51	1
2437MHz	Pass	2.44075G	8.27	-21.73	2.08184G	-54.04	2.39936G	-30.71	2.4G	-33.22	2.52782G	-52.50	16.62277G	-41.92	2
2437MHz	Pass	2.44075G	8.27	-21.73	1.96276G	-54.16	2.39616G	-28.22	2.4G	-29.13	2.5003G	-52.43	16.78824G	-42.43	3
2437MHz	Pass	2.44075G	8.27	-21.73	2.14253G	-54.83	2.4G	-31.64	2.4G	-32.76	2.51246G	-51.95	16.94249G	-41.52	4
2452MHz	Pass	2.44075G	8.27	-21.73	2.14138G	-53.53	2.39984G	-45.08	2.4G	-46.61	2.51342G	-51.42	16.89201G	-41.40	1
2452MHz	Pass	2.44075G	8.27	-21.73	2.16772G	-53.95	2.4G	-45.75	2.4G	-43.16	2.5099G	-52.48	24.85977G	-41.57	2
2452MHz	Pass	2.44075G	8.27	-21.73	1.92269G	-54.83	2.39968G	-43.77	2.4G	-44.41	2.53214G	-52.81	15.041G	-40.97	3
2452MHz	Pass	2.44075G	8.27	-21.73	1.82994G	-54.21	2.39824G	-46.26	2.4G	-46.20	2.53774G	-51.47	16.58631G	-42.46	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

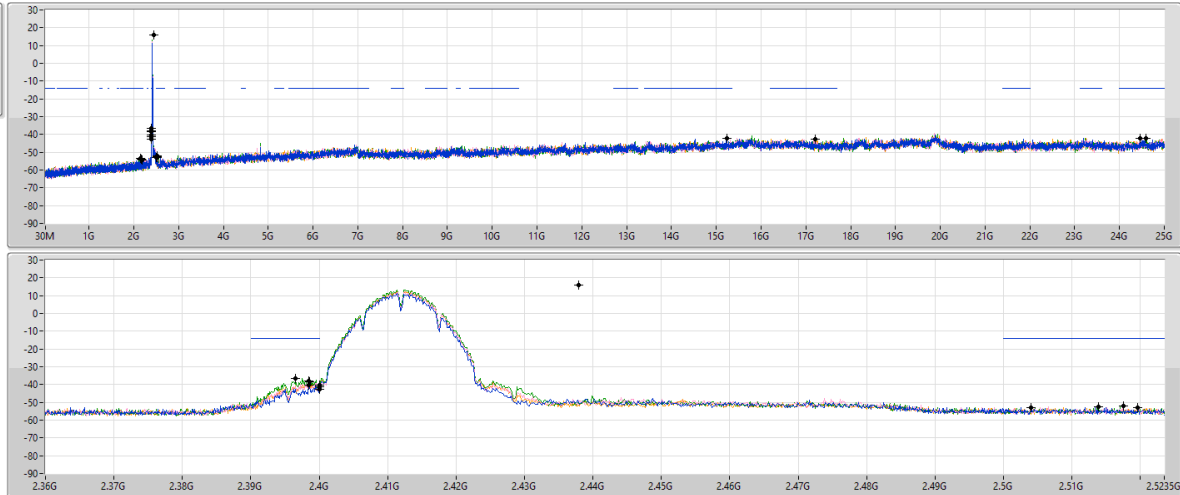
CSEndB

2412MHz

08/08/2023

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

Port 1
Port 2
Port 3
Port 4



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
2.43791G	15.93	-14.07	2.18176G	-54.41	2.39848G	-40.23	2.4G	-42.61	2.50406G	-52.83	15.23677G	-42.05	1
2.43791G	15.93	-14.07	2.16312G	-53.76	2.39856G	-38.66	2.4G	-41.18	2.5175G	-52.02	17.20346G	-42.44	2
2.43791G	15.93	-14.07	2.14681G	-53.52	2.39656G	-36.39	2.4G	-40.30	2.5139G	-52.49	24.46337G	-42.24	3
2.43791G	15.93	-14.07	2.15846G	-53.49	2.39848G	-37.86	2.4G	-40.52	2.51966G	-52.99	24.59542G	-42.15	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

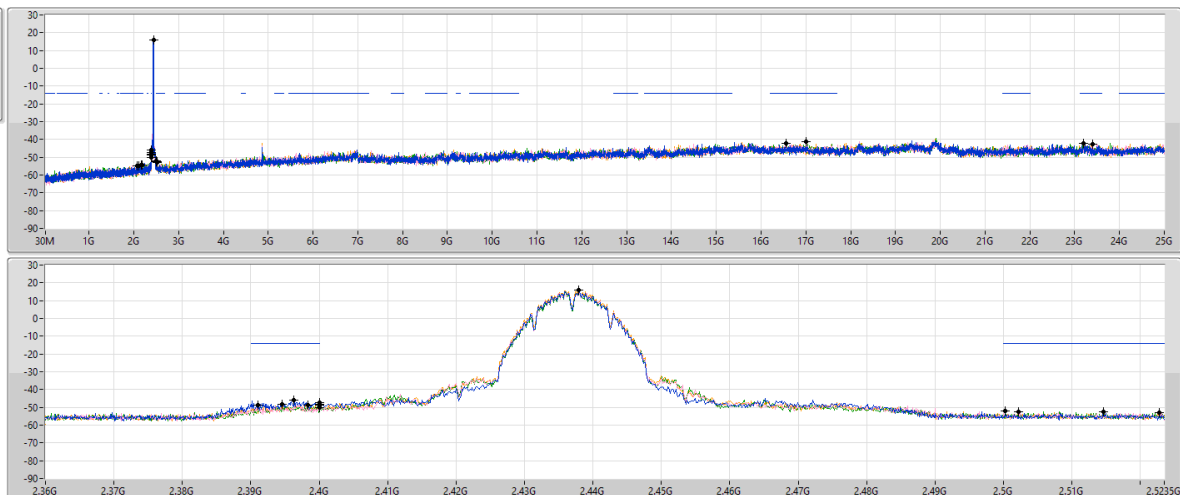
CSEndB

2437MHz

08/08/2023

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

Port 1
Port 2
Port 3
Port 4



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
2.43791G	15.93	-14.07	2.11768G	-54.95	2.39632G	-45.89	2.4G	-48.58	2.51462G	-52.62	23.39574G	-42.62	1
2.43791G	15.93	-14.07	2.08273G	-54.73	2.39104G	-48.68	2.4G	-50.20	2.50222G	-52.70	17.01241G	-41.08	2
2.43791G	15.93	-14.07	2.18176G	-54.52	2.39832G	-48.91	2.4G	-47.27	2.5003G	-51.98	23.18783G	-42.03	3
2.43791G	15.93	-14.07	2.1771G	-54.34	2.39456G	-48.22	2.4G	-48.50	2.52278G	-52.88	16.55446G	-42.02	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

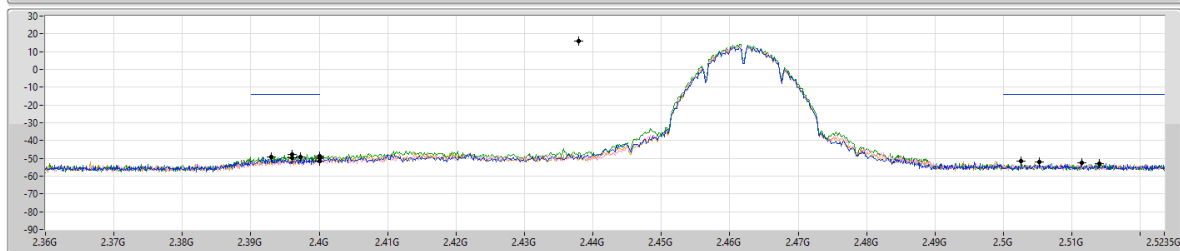
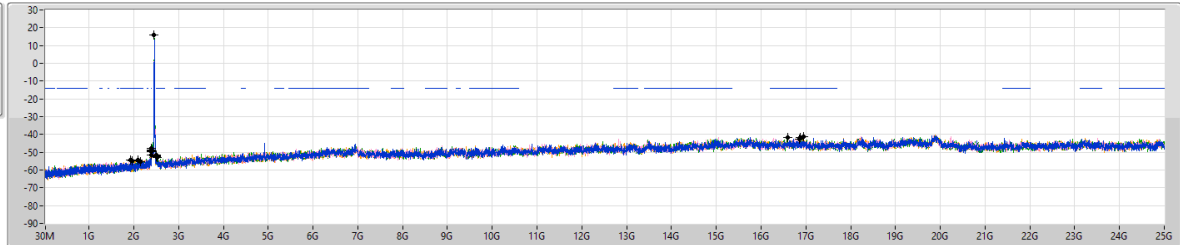
CSEndB

2462MHz

08/08/2023

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

Port 1
Port 2
Port 3
Port 4



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
2.43791G	15.93	-14.07	2.08506G	-54.30	2.39304G	-49.45	2.4G	-49.65	2.51398G	-52.86	16.87475G	-41.56	1
2.43791G	15.93	-14.07	1.97206G	-54.83	2.39608G	-49.89	2.4G	-51.67	2.50518G	-51.92	16.9506G	-41.45	2
2.43791G	15.93	-14.07	1.93361G	-54.54	2.396G	-47.60	2.4G	-48.57	2.50262G	-51.60	16.85508G	-42.43	3
2.43791G	15.93	-14.07	2.15613G	-55.13	2.39728G	-49.16	2.4G	-51.56	2.51142G	-52.59	16.8817G	-41.66	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

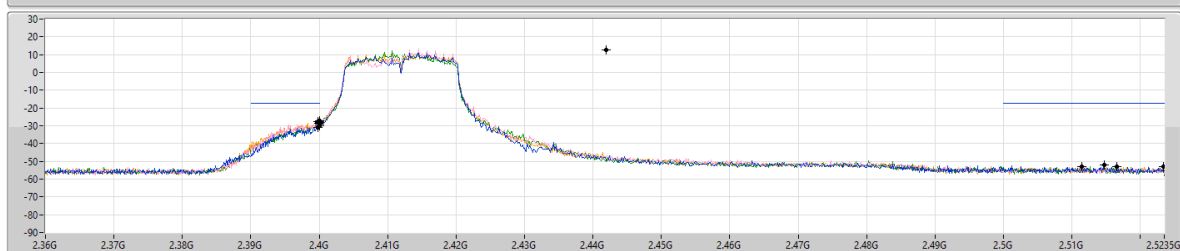
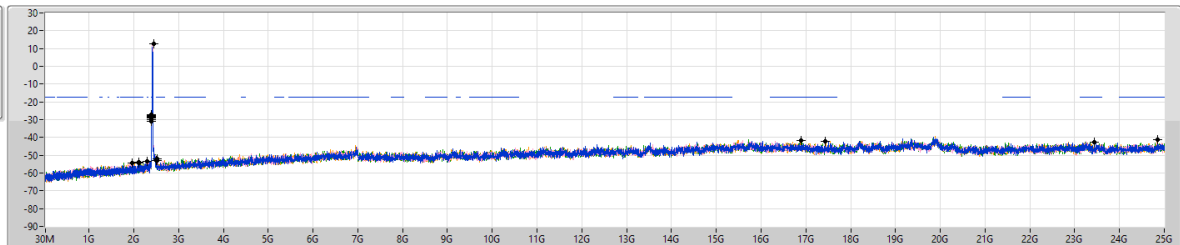
CSEndB

2412MHz

28/07/2023

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

Port 1
Port 2
Port 3
Port 4



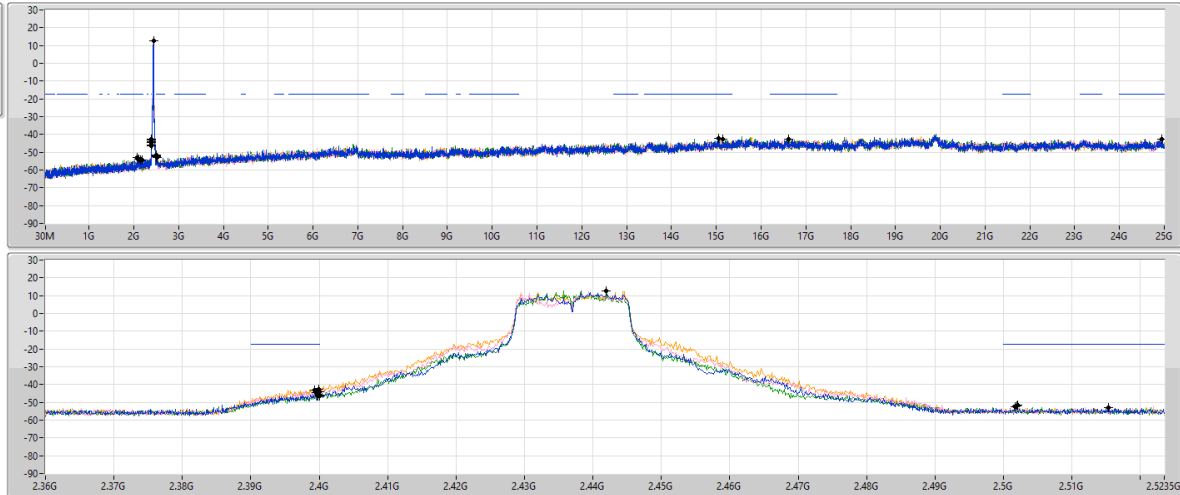
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44192G	12.64	-17.36	2.10836G	-54.60	2.39984G	-30.96	2.4G	-29.91	2.5147G	-52.18	17.43666G	-42.32	1
2.44192G	12.64	-17.36	2.11885G	-53.91	2.39984G	-27.70	2.4G	-28.04	2.51142G	-53.04	24.84266G	-41.46	2
2.44192G	12.64	-17.36	2.30292G	-53.42	2.39992G	-28.52	2.4G	-28.98	2.51662G	-52.98	23.44069G	-42.75	3
2.44192G	12.64	-17.36	1.95691G	-54.44	2.4G	-27.21	2.4G	-27.20	2.52342G	-53.08	16.8916G	-41.79	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

CSEndB

2437MHz

28/07/2023

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2
Port 3
Port 4

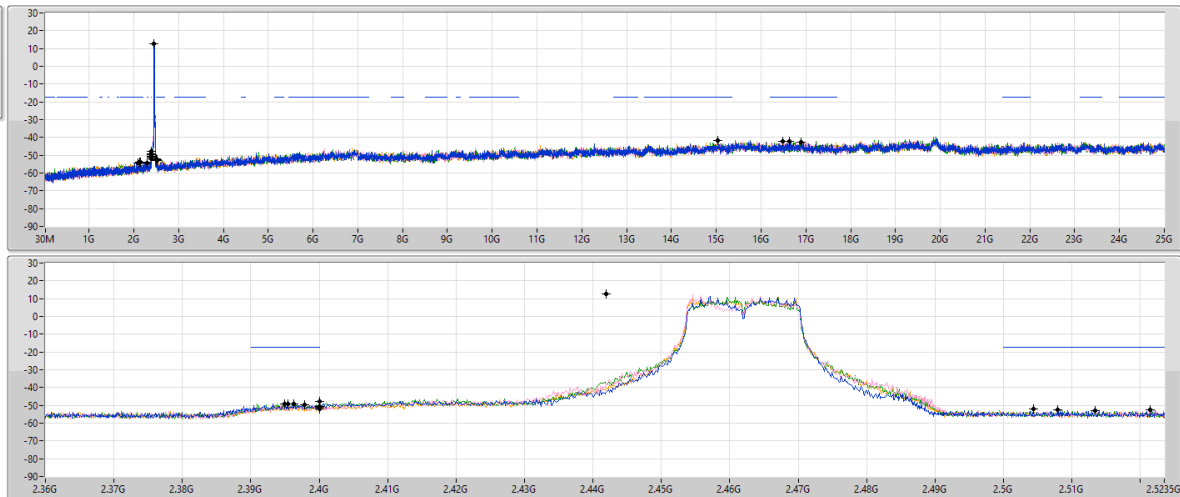
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44192G	12.64	-17.36	2.15613G	-54.42	2.3996G	-44.45	2.4G	-45.93	2.51534G	-53.13	16.61346G	-42.51	1
2.44192G	12.64	-17.36	2.18525G	-54.60	2.39928G	-43.26	2.4G	-44.10	2.50206G	-51.77	24.93538G	-42.72	2
2.44192G	12.64	-17.36	2.07891G	-53.00	2.39984G	-46.21	2.4G	-46.35	2.50166G	-52.67	15.04853G	-42.13	3
2.44192G	12.64	-17.36	2.11419G	-54.10	2.39992G	-42.76	2.4G	-43.86	2.5019G	-52.01	15.13844G	-42.54	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

CSEndB

2462MHz

28/07/2023

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2
Port 3
Port 4

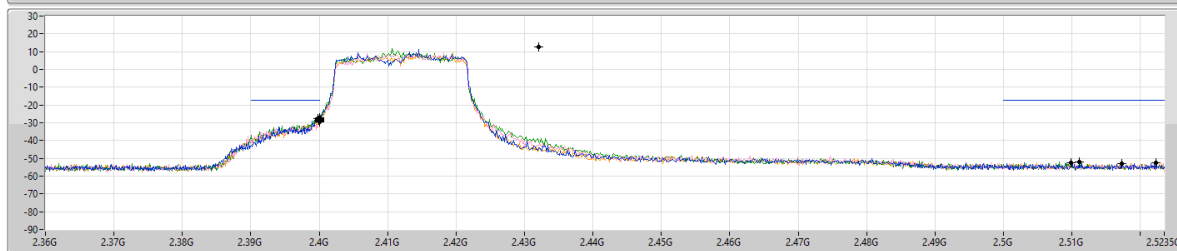
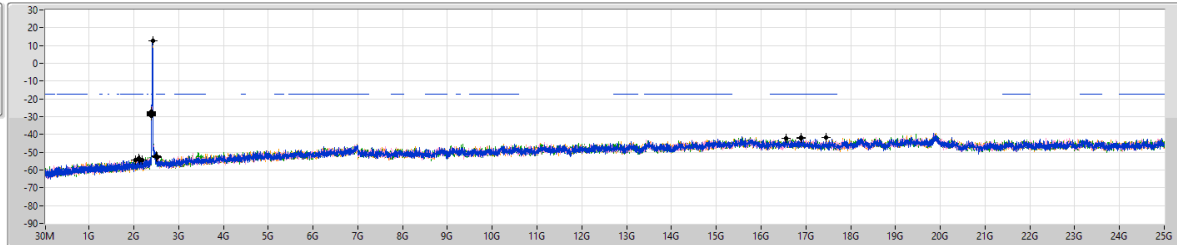
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44192G	12.64	-17.36	2.12584G	-54.02	2.39632G	-49.11	2.4G	-50.98	2.5079G	-52.69	16.64155G	-42.10	1
2.44192G	12.64	-17.36	2.09438G	-54.57	2.39496G	-49.38	2.4G	-50.82	2.52142G	-52.52	15.0401G	-41.50	2
2.44192G	12.64	-17.36	2.14215G	-54.06	2.39544G	-49.07	2.4G	-47.76	2.51334G	-52.75	16.48422G	-42.11	3
2.44192G	12.64	-17.36	2.30525G	-54.51	2.39792G	-49.80	2.4G	-52.06	2.50438G	-52.15	16.90003G	-42.57	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

CSEndB

2412MHz

20/07/2023

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2
Port 3
Port 4

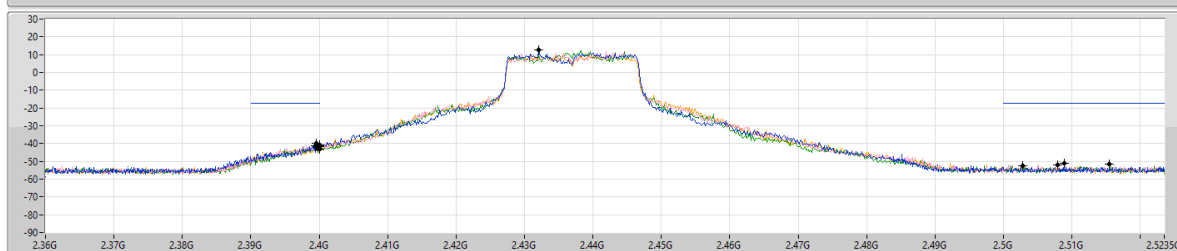
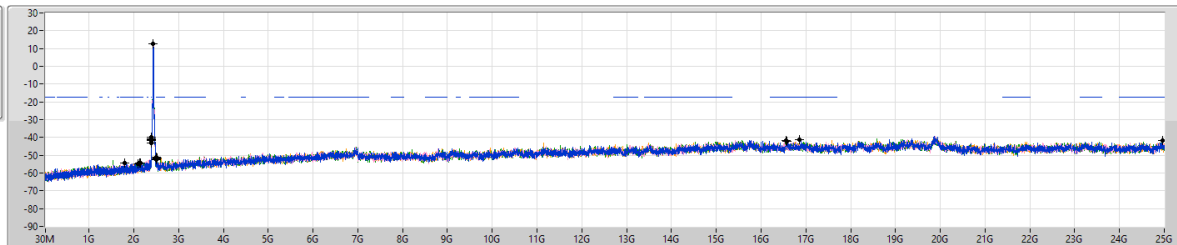
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43206G	12.61	-17.39	2.1037G	-53.51	2.39984G	-27.55	2.4G	-27.10	2.5223G	-52.32	16.55165G	-42.04	1
2.43206G	12.61	-17.39	2.13749G	-54.18	2.4G	-29.74	2.4G	-28.94	2.51734G	-52.76	17.45632G	-41.81	2
2.43206G	12.61	-17.39	2.17943G	-54.40	2.4G	-28.60	2.4G	-27.91	2.5111G	-51.92	16.89441G	-42.32	3
2.43206G	12.61	-17.39	2.04079G	-54.36	2.39992G	-28.40	2.4G	-27.84	2.5099G	-52.38	16.8916G	-41.88	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

CSEndB

2437MHz

20/07/2023

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2
Port 3
Port 4

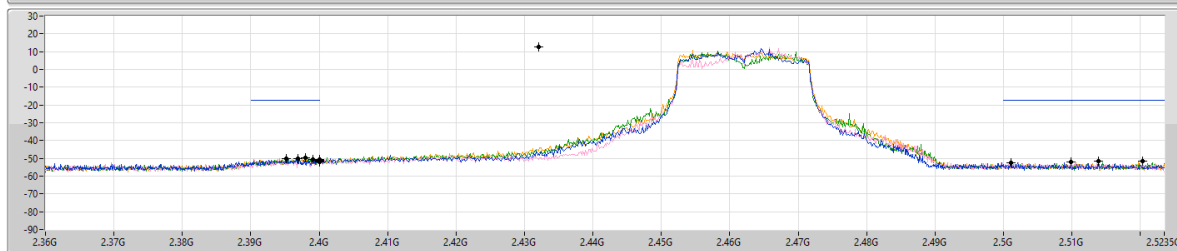
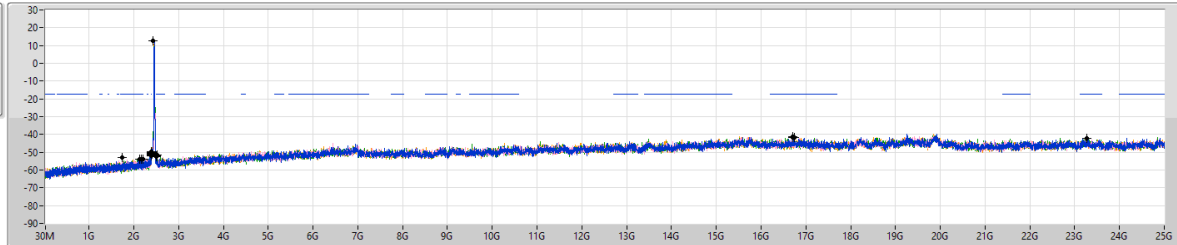
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43206G	12.61	-17.39	2.15147G	-54.41	2.39952G	-39.81	2.4G	-40.89	2.50886G	-51.25	24.96067G	-41.77	1
2.43206G	12.61	-17.39	1.78799G	-54.30	2.4G	-40.71	2.4G	-41.46	2.5155G	-51.78	16.58255G	-42.02	2
2.43206G	12.61	-17.39	2.09555G	-54.63	2.39968G	-41.85	2.4G	-43.18	2.50286G	-52.62	16.55726G	-41.86	3
2.43206G	12.61	-17.39	2.12933G	-54.53	2.39944G	-41.21	2.4G	-41.49	2.5079G	-52.20	16.84946G	-41.36	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

CSEndB

2462MHz

20/07/2023

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2
Port 3
Port 4

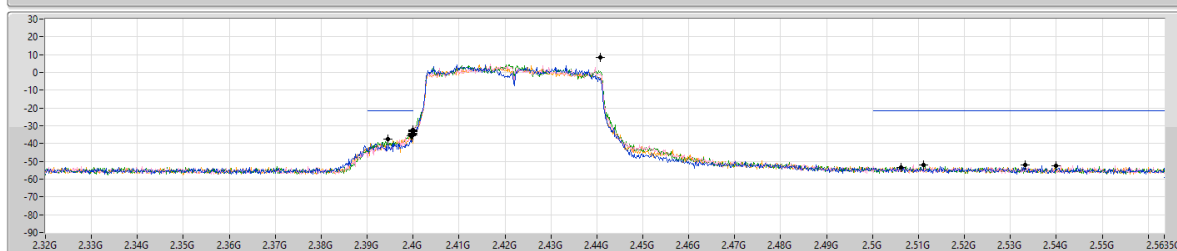
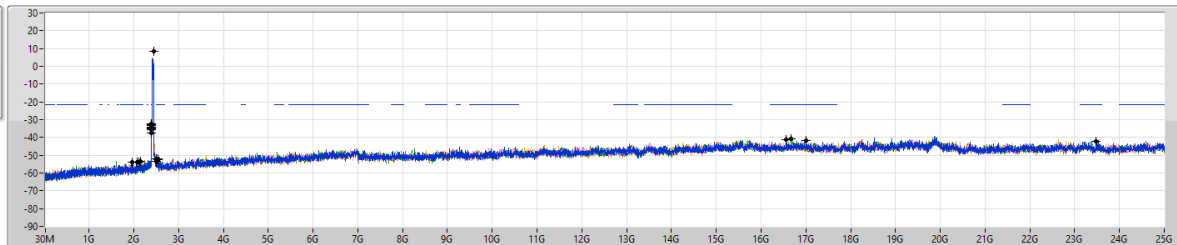
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43206G	12.61	-17.39	2.13166G	-53.88	2.3952G	-50.08	2.4G	-50.62	2.5011G	-52.27	16.73989G	-41.76	1
2.43206G	12.61	-17.39	2.19807G	-53.72	2.39904G	-50.79	2.4G	-50.89	2.52038G	-51.77	23.26931G	-42.07	2
2.43206G	12.61	-17.39	2.17593G	-53.82	2.39688G	-50.00	2.4G	-51.98	2.5139G	-51.50	16.71179G	-41.67	3
2.43206G	12.61	-17.39	1.74838G	-52.90	2.398G	-49.53	2.4G	-51.44	2.5099G	-52.16	16.70898G	-41.45	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

CSEndB

2422MHz

20/07/2023

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2
Port 3
Port 4

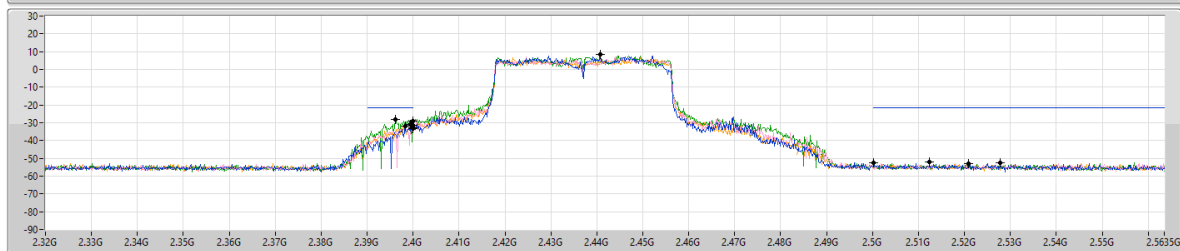
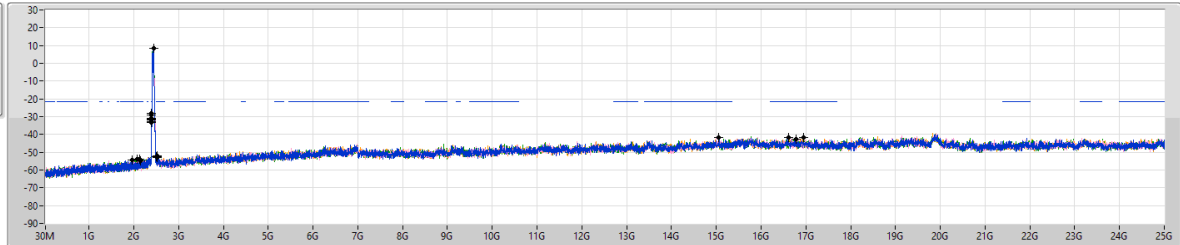
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	8.27	-21.73	2.07812G	-53.79	2.39456G	-37.65	2.4G	-35.30	2.53326G	-52.11	17.01261G	-41.69	1
2.44075G	8.27	-21.73	1.96047G	-53.79	2.3984G	-34.64	2.4G	-33.46	2.51118G	-52.05	23.47712G	-42.28	2
2.44075G	8.27	-21.73	2.15512G	-53.34	2.4G	-32.17	2.4G	-34.13	2.53986G	-52.71	16.56107G	-41.10	3
2.44075G	8.27	-21.73	2.10932G	-54.11	2.39688G	-35.81	2.4G	-32.75	2.50622G	-53.25	16.67045G	-40.76	4

2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

CSEndB

2437MHz

20/07/2023

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2
Port 3
Port 4

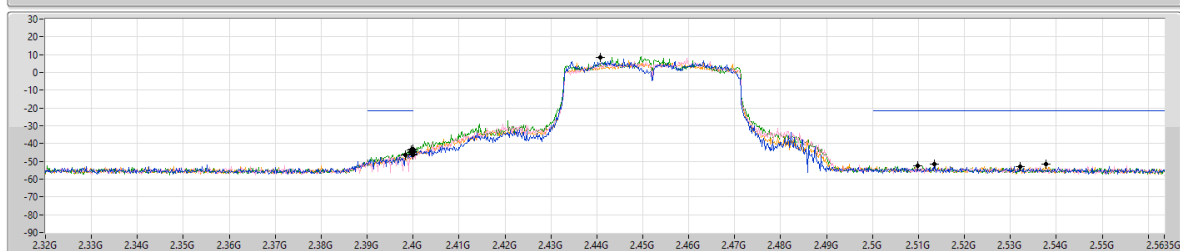
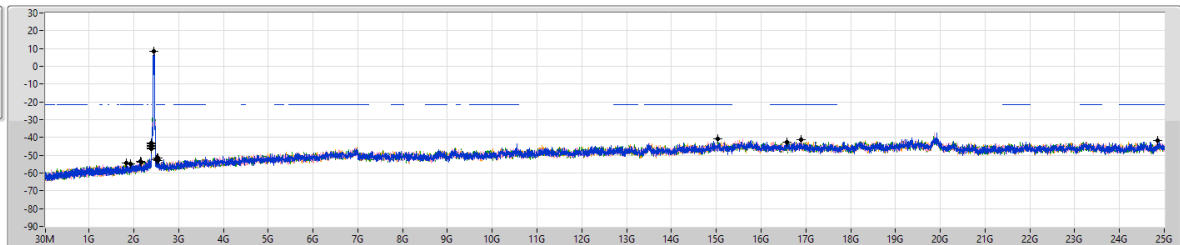
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	8.27	-21.73	2.1265G	-53.84	2.39824G	-32.06	2.4G	-33.41	2.52094G	-52.96	15.04941G	-41.51	1
2.44075G	8.27	-21.73	2.08184G	-54.04	2.39936G	-30.71	2.4G	-33.22	2.52782G	-52.50	16.62277G	-41.92	2
2.44075G	8.27	-21.73	1.96276G	-54.16	2.39616G	-28.22	2.4G	-29.13	2.5003G	-52.43	16.78824G	-42.43	3
2.44075G	8.27	-21.73	2.14253G	-54.83	2.4G	-31.64	2.4G	-32.76	2.51246G	-51.95	16.94249G	-41.52	4

2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

CSEndB

2452MHz

20/07/2023

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2
Port 3
Port 4

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
2.44075G	8.27	-21.73	2.14138G	-53.53	2.39984G	-45.08	2.4G	-46.61	2.51342G	-51.42	16.89201G	-41.40	1
2.44075G	8.27	-21.73	2.16772G	-53.95	2.4G	-45.75	2.4G	-43.16	2.5099G	-52.48	24.85977G	-41.57	2
2.44075G	8.27	-21.73	1.92269G	-54.83	2.39686G	-43.77	2.4G	-44.41	2.53214G	-52.81	15.041G	-40.97	3
2.44075G	8.27	-21.73	1.82944G	-54.21	2.39824G	-46.26	2.4G	-46.20	2.53774G	-51.47	16.58631G	-42.46	4



Summary

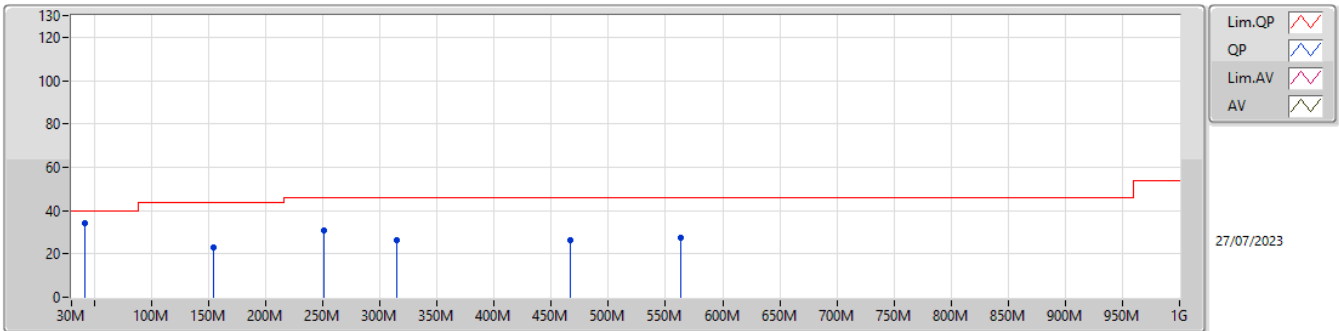
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	PK	39.7M	35.32	40.00	-4.68	3	Horizontal	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	41.64M	34.20	40.00	-5.80	3	Vertical	360	1.00
2437MHz	Pass	PK	154.16M	23.08	43.50	-20.42	3	Vertical	360	1.00
2437MHz	Pass	PK	251.16M	30.65	46.00	-15.35	3	Vertical	360	1.00
2437MHz	Pass	PK	315.18M	26.34	46.00	-19.66	3	Vertical	360	1.00
2437MHz	Pass	PK	466.5M	26.41	46.00	-19.59	3	Vertical	360	1.00
2437MHz	Pass	PK	563.5M	27.56	46.00	-18.44	3	Vertical	360	1.00
2437MHz	Pass	PK	39.7M	35.32	40.00	-4.68	3	Horizontal	0	1.00
2437MHz	Pass	PK	142.52M	33.15	43.50	-10.35	3	Horizontal	0	1.00
2437MHz	Pass	PK	251.16M	33.80	46.00	-12.20	3	Horizontal	0	1.00
2437MHz	Pass	PK	357.86M	34.34	46.00	-11.66	3	Horizontal	0	1.00
2437MHz	Pass	PK	478.14M	29.71	46.00	-16.29	3	Horizontal	0	1.00
2437MHz	Pass	PK	606.18M	28.32	46.00	-17.68	3	Horizontal	0	1.00

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

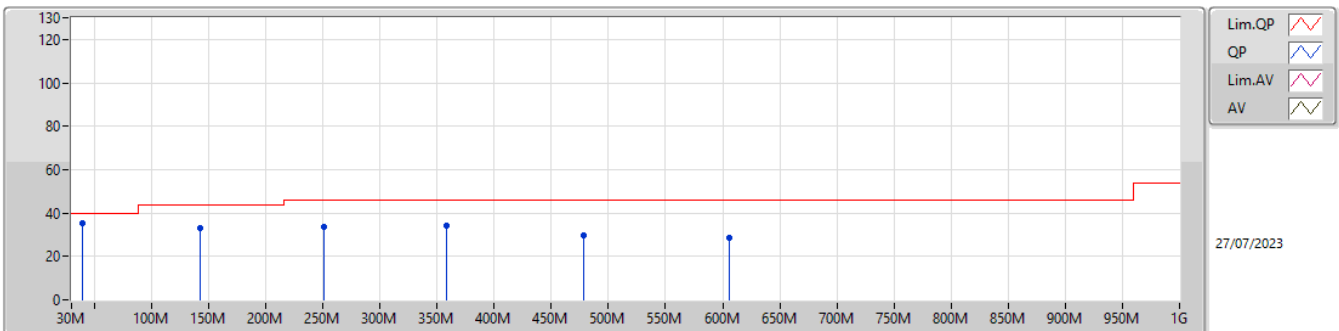
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	41.64M	34.20	40.00	-5.80	3	Vertical	360	1.00	42.42	17.03	1.43	26.68
PK	154.16M	23.08	43.50	-20.42	3	Vertical	360	1.00	32.94	15.42	2.43	27.71
PK	251.16M	30.65	46.00	-15.35	3	Vertical	360	1.00	37.14	17.68	3.05	27.22
PK	315.18M	26.34	46.00	-19.66	3	Vertical	360	1.00	31.59	18.72	3.40	27.37
PK	466.5M	26.41	46.00	-19.59	3	Vertical	360	1.00	28.06	22.39	4.32	28.36
PK	563.5M	27.56	46.00	-18.44	3	Vertical	360	1.00	27.70	23.92	4.58	28.64

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	39.7M	35.32	40.00	-4.68	3	Horizontal	0	1.00	42.60	18.01	1.41	26.70
PK	142.52M	33.15	43.50	-10.35	3	Horizontal	0	1.00	42.41	16.15	2.35	27.76
PK	251.16M	33.80	46.00	-12.20	3	Horizontal	0	1.00	40.29	17.68	3.05	27.22
PK	357.86M	34.34	46.00	-11.66	3	Horizontal	0	1.00	38.44	19.84	3.70	27.64
PK	478.14M	29.71	46.00	-16.29	3	Horizontal	0	1.00	31.06	22.68	4.35	28.38
PK	606.18M	28.32	46.00	-17.68	3	Horizontal	0	1.00	28.07	23.95	4.80	28.50



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)_4TX	Pass	AV	4.874G	52.74	54.00	-1.26	3	Vertical	28	2.85
802.11g_Nss1,(6Mbps)_4TX	Pass	AV	2.39G	53.56	54.00	-0.44	3	Horizontal	64	1.25
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	AV	2.4835G	53.65	54.00	-0.35	3	Horizontal	324	1.28
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	AV	2.4858G	53.92	54.00	-0.08	3	Vertical	345	1.11

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	46.14	54.00	-7.86	3	Vertical	6	1.06
2412MHz	Pass	AV	2.4128G	113.86	Inf	-Inf	3	Vertical	6	1.06
2412MHz	Pass	PK	2.3896G	60.80	74.00	-13.20	3	Vertical	6	1.06
2412MHz	Pass	PK	2.413G	116.51	Inf	-Inf	3	Vertical	6	1.06
2412MHz	Pass	AV	2.39G	46.81	54.00	-7.19	3	Horizontal	52	1.50
2412MHz	Pass	AV	2.4128G	114.71	Inf	-Inf	3	Horizontal	52	1.50
2412MHz	Pass	PK	2.3896G	60.60	74.00	-13.40	3	Horizontal	52	1.50
2412MHz	Pass	PK	2.413G	117.39	Inf	-Inf	3	Horizontal	52	1.50
2412MHz	Pass	AV	4.824G	52.73	54.00	-1.27	3	Vertical	10	1.07
2412MHz	Pass	PK	4.82396G	54.86	74.00	-19.14	3	Vertical	10	1.07
2412MHz	Pass	AV	4.824G	52.32	54.00	-1.68	3	Horizontal	353	1.50
2412MHz	Pass	PK	4.824G	54.82	74.00	-19.18	3	Horizontal	353	1.50
2437MHz	Pass	AV	2.3898G	47.07	54.00	-6.93	3	Vertical	8	1.17
2437MHz	Pass	AV	2.4378G	116.18	Inf	-Inf	3	Vertical	8	1.17
2437MHz	Pass	AV	2.485G	46.86	54.00	-7.14	3	Vertical	8	1.17
2437MHz	Pass	PK	2.3898G	59.52	74.00	-14.48	3	Vertical	8	1.17
2437MHz	Pass	PK	2.4378G	118.87	Inf	-Inf	3	Vertical	8	1.17
2437MHz	Pass	PK	2.4846G	59.83	74.00	-14.17	3	Vertical	8	1.17
2437MHz	Pass	AV	2.3898G	48.11	54.00	-5.89	3	Horizontal	60	1.22
2437MHz	Pass	AV	2.4378G	118.64	Inf	-Inf	3	Horizontal	60	1.22
2437MHz	Pass	AV	2.485G	48.21	54.00	-5.79	3	Horizontal	60	1.22
2437MHz	Pass	PK	2.3898G	59.98	74.00	-14.02	3	Horizontal	60	1.22
2437MHz	Pass	PK	2.4382G	121.49	Inf	-Inf	3	Horizontal	60	1.22
2437MHz	Pass	PK	2.4882G	60.99	74.00	-13.01	3	Horizontal	60	1.22
2437MHz	Pass	AV	4.874G	52.74	54.00	-1.26	3	Vertical	28	2.85
2437MHz	Pass	AV	7.31222G	38.70	54.00	-15.30	3	Vertical	346	1.56
2437MHz	Pass	PK	4.874G	54.97	74.00	-19.03	3	Vertical	28	2.85
2437MHz	Pass	PK	7.31202G	49.85	74.00	-24.15	3	Vertical	346	1.56
2437MHz	Pass	AV	4.874G	51.86	54.00	-2.14	3	Horizontal	346	1.77
2437MHz	Pass	AV	7.31174G	44.56	54.00	-9.44	3	Horizontal	65	1.56
2437MHz	Pass	PK	4.87404G	54.25	74.00	-19.75	3	Horizontal	346	1.77
2437MHz	Pass	PK	7.31054G	52.52	74.00	-21.48	3	Horizontal	65	1.56
2462MHz	Pass	AV	2.4612G	116.55	Inf	-Inf	3	Vertical	8	1.13
2462MHz	Pass	AV	2.4835G	47.70	54.00	-6.30	3	Vertical	8	1.13
2462MHz	Pass	PK	2.4612G	119.23	Inf	-Inf	3	Vertical	8	1.13
2462MHz	Pass	PK	2.484G	60.43	74.00	-13.57	3	Vertical	8	1.13
2462MHz	Pass	AV	2.4612G	119.05	Inf	-Inf	3	Horizontal	52	1.35
2462MHz	Pass	AV	2.4835G	49.45	54.00	-4.55	3	Horizontal	52	1.35
2462MHz	Pass	PK	2.4612G	121.75	Inf	-Inf	3	Horizontal	52	1.35
2462MHz	Pass	PK	2.4836G	61.93	74.00	-12.07	3	Horizontal	52	1.35
2462MHz	Pass	AV	4.92402G	49.28	54.00	-4.72	3	Vertical	329	1.02
2462MHz	Pass	AV	7.38526G	45.25	54.00	-8.75	3	Vertical	57	1.31
2462MHz	Pass	PK	4.92406G	52.51	74.00	-21.49	3	Vertical	329	1.02
2462MHz	Pass	PK	7.38482G	52.41	74.00	-21.59	3	Vertical	57	1.31
2462MHz	Pass	AV	4.92402G	52.59	54.00	-1.41	3	Horizontal	344	1.54
2462MHz	Pass	AV	7.38526G	50.15	54.00	-3.85	3	Horizontal	304	2.42
2462MHz	Pass	PK	4.92398G	54.85	74.00	-19.15	3	Horizontal	344	1.54
2462MHz	Pass	PK	7.3851G	55.75	74.00	-18.25	3	Horizontal	304	2.42
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	48.94	54.00	-5.06	3	Vertical	14	1.05
2412MHz	Pass	AV	2.4138G	110.81	Inf	-Inf	3	Vertical	14	1.05
2412MHz	Pass	PK	2.388G	62.89	74.00	-11.11	3	Vertical	14	1.05
2412MHz	Pass	PK	2.413G	120.47	Inf	-Inf	3	Vertical	14	1.05
2412MHz	Pass	AV	2.39G	53.20	54.00	-0.80	3	Horizontal	310	1.06
2412MHz	Pass	AV	2.4166G	112.91	Inf	-Inf	3	Horizontal	310	1.06
2412MHz	Pass	PK	2.3898G	67.72	74.00	-6.28	3	Horizontal	310	1.06
2412MHz	Pass	PK	2.4152G	122.63	Inf	-Inf	3	Horizontal	310	1.06
2412MHz	Pass	AV	4.82424G	45.53	54.00	-8.47	3	Vertical	29	2.52
2412MHz	Pass	PK	4.82308G	59.20	74.00	-14.80	3	Vertical	29	2.52
2412MHz	Pass	AV	4.82584G	45.07	54.00	-8.93	3	Horizontal	355	1.92

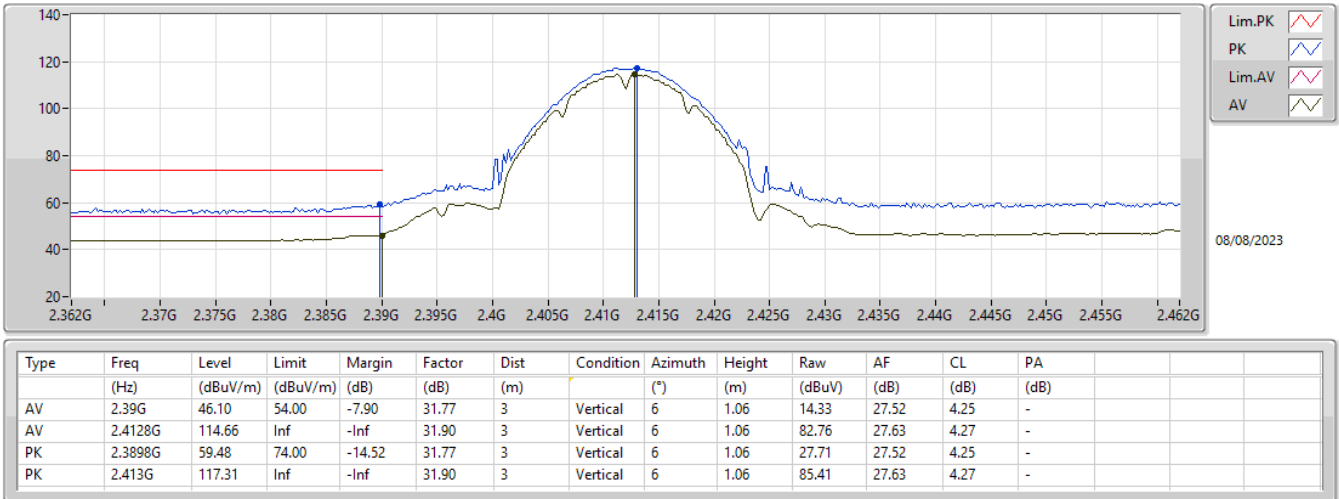
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	PK	4.8264G	58.91	74.00	-15.09	3	Horizontal	355	1.92
2417MHz	Pass	AV	2.39G	51.77	54.00	-2.23	3	Vertical	16	1.07
2417MHz	Pass	AV	2.4188G	111.45	Inf	-Inf	3	Vertical	16	1.07
2417MHz	Pass	PK	2.39G	69.10	74.00	-4.90	3	Vertical	16	1.07
2417MHz	Pass	PK	2.418G	121.17	Inf	-Inf	3	Vertical	16	1.07
2417MHz	Pass	AV	2.39G	53.56	54.00	-0.44	3	Horizontal	64	1.25
2417MHz	Pass	AV	2.4188G	113.79	Inf	-Inf	3	Horizontal	64	1.25
2417MHz	Pass	PK	2.39G	71.19	74.00	-2.81	3	Horizontal	64	1.25
2417MHz	Pass	PK	2.4188G	122.93	Inf	-Inf	3	Horizontal	64	1.25
2437MHz	Pass	AV	2.3898G	47.13	54.00	-6.87	3	Vertical	16	1.16
2437MHz	Pass	AV	2.4386G	110.82	Inf	-Inf	3	Vertical	16	1.16
2437MHz	Pass	AV	2.485G	46.83	54.00	-7.17	3	Vertical	16	1.16
2437MHz	Pass	PK	2.3898G	61.28	74.00	-12.72	3	Vertical	16	1.16
2437MHz	Pass	PK	2.439G	120.13	Inf	-Inf	3	Vertical	16	1.16
2437MHz	Pass	PK	2.4858G	61.44	74.00	-12.56	3	Vertical	16	1.16
2437MHz	Pass	AV	2.3898G	48.13	54.00	-5.87	3	Horizontal	65	1.31
2437MHz	Pass	AV	2.4386G	113.12	Inf	-Inf	3	Horizontal	65	1.31
2437MHz	Pass	AV	2.4846G	48.01	54.00	-5.99	3	Horizontal	65	1.31
2437MHz	Pass	PK	2.3898G	60.87	74.00	-13.13	3	Horizontal	65	1.31
2437MHz	Pass	PK	2.4386G	122.10	Inf	-Inf	3	Horizontal	65	1.31
2437MHz	Pass	PK	2.4846G	60.91	74.00	-13.09	3	Horizontal	65	1.31
2437MHz	Pass	AV	4.87392G	33.85	54.00	-20.15	3	Vertical	26	2.35
2437MHz	Pass	AV	7.30176G	33.87	54.00	-20.13	3	Vertical	348	2.27
2437MHz	Pass	PK	4.87508G	47.16	74.00	-26.84	3	Vertical	26	2.35
2437MHz	Pass	PK	7.31348G	46.64	74.00	-27.36	3	Vertical	348	2.27
2437MHz	Pass	AV	4.87044G	33.53	54.00	-20.47	3	Horizontal	0	1.50
2437MHz	Pass	AV	7.31356G	34.42	54.00	-19.58	3	Horizontal	60	1.41
2437MHz	Pass	PK	4.86972G	47.68	74.00	-26.32	3	Horizontal	0	1.50
2437MHz	Pass	PK	7.31604G	47.89	74.00	-26.11	3	Horizontal	60	1.41
2457MHz	Pass	AV	2.458G	109.12	Inf	-Inf	3	Vertical	4	1.09
2457MHz	Pass	AV	2.4835G	50.42	54.00	-3.58	3	Vertical	4	1.09
2457MHz	Pass	PK	2.458G	118.84	Inf	-Inf	3	Vertical	4	1.09
2457MHz	Pass	PK	2.4836G	66.79	74.00	-7.21	3	Vertical	4	1.09
2457MHz	Pass	AV	2.4586G	111.36	Inf	-Inf	3	Horizontal	339	1.09
2457MHz	Pass	AV	2.4835G	50.87	54.00	-3.13	3	Horizontal	339	1.09
2457MHz	Pass	PK	2.458G	120.68	Inf	-Inf	3	Horizontal	339	1.09
2457MHz	Pass	PK	2.4836G	67.96	74.00	-6.04	3	Horizontal	339	1.09
2462MHz	Pass	AV	2.4692G	107.27	Inf	-Inf	3	Vertical	357	3.00
2462MHz	Pass	AV	2.4835G	51.29	54.00	-2.71	3	Vertical	357	3.00
2462MHz	Pass	PK	2.469G	116.25	Inf	-Inf	3	Vertical	357	3.00
2462MHz	Pass	PK	2.4835G	66.76	74.00	-7.24	3	Vertical	357	3.00
2462MHz	Pass	AV	2.4548G	109.57	Inf	-Inf	3	Horizontal	320	1.50
2462MHz	Pass	AV	2.4835G	53.42	54.00	-0.58	3	Horizontal	320	1.50
2462MHz	Pass	PK	2.4546G	118.54	Inf	-Inf	3	Horizontal	320	1.50
2462MHz	Pass	PK	2.4835G	70.20	74.00	-3.80	3	Horizontal	320	1.50
2462MHz	Pass	AV	4.92454G	39.17	54.00	-14.83	3	Vertical	29	2.58
2462MHz	Pass	AV	7.38544G	34.62	54.00	-19.38	3	Vertical	159	1.50
2462MHz	Pass	PK	4.9246G	52.91	74.00	-21.09	3	Vertical	29	2.58
2462MHz	Pass	PK	7.38552G	47.95	74.00	-26.05	3	Vertical	159	1.50
2462MHz	Pass	AV	4.92016G	39.37	54.00	-14.63	3	Horizontal	1	1.50
2462MHz	Pass	AV	7.38462G	35.18	54.00	-18.82	3	Horizontal	57	3.00
2462MHz	Pass	PK	4.9201G	53.53	74.00	-20.47	3	Horizontal	1	1.50
2462MHz	Pass	PK	7.38468G	48.87	74.00	-25.13	3	Horizontal	57	3.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.60	54.00	-0.40	3	Vertical	10	1.08
2412MHz	Pass	AV	2.4132G	109.01	Inf	-Inf	3	Vertical	10	1.08
2412MHz	Pass	PK	2.39G	66.31	74.00	-7.69	3	Vertical	10	1.08
2412MHz	Pass	PK	2.4138G	121.21	Inf	-Inf	3	Vertical	10	1.08
2412MHz	Pass	AV	2.3884G	51.12	54.00	-2.88	3	Horizontal	61	2.10
2412MHz	Pass	AV	2.4142G	111.73	Inf	-Inf	3	Horizontal	61	2.10
2412MHz	Pass	PK	2.3892G	67.02	74.00	-6.98	3	Horizontal	61	2.10
2412MHz	Pass	PK	2.4148G	124.69	Inf	-Inf	3	Horizontal	61	2.10

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	AV	4.82526G	42.80	54.00	-11.20	3	Vertical	1	1.06
2412MHz	Pass	PK	4.82496G	58.97	74.00	-15.03	3	Vertical	1	1.06
2412MHz	Pass	AV	4.82118G	42.46	54.00	-11.54	3	Horizontal	44	2.16
2412MHz	Pass	PK	4.82076G	57.72	74.00	-16.28	3	Horizontal	44	2.16
2417MHz	Pass	AV	2.39G	49.84	54.00	-4.16	3	Vertical	12	1.08
2417MHz	Pass	AV	2.4184G	110.86	Inf	-Inf	3	Vertical	12	1.08
2417MHz	Pass	PK	2.3896G	65.87	74.00	-8.13	3	Vertical	12	1.08
2417MHz	Pass	PK	2.4178G	122.82	Inf	-Inf	3	Vertical	12	1.08
2417MHz	Pass	AV	2.39G	52.84	54.00	-1.16	3	Horizontal	58	1.91
2417MHz	Pass	AV	2.4192G	112.99	Inf	-Inf	3	Horizontal	58	1.91
2417MHz	Pass	PK	2.3888G	66.20	74.00	-7.80	3	Horizontal	58	1.91
2417MHz	Pass	PK	2.4198G	125.63	Inf	-Inf	3	Horizontal	58	1.91
2437MHz	Pass	AV	2.39G	46.14	54.00	-7.86	3	Vertical	6	1.06
2437MHz	Pass	AV	2.4128G	113.86	Inf	-Inf	3	Vertical	6	1.06
2437MHz	Pass	PK	2.3896G	60.80	74.00	-13.20	3	Vertical	6	1.06
2437MHz	Pass	PK	2.413G	116.51	Inf	-Inf	3	Vertical	6	1.06
2437MHz	Pass	AV	2.39G	46.81	54.00	-7.19	3	Horizontal	52	1.50
2437MHz	Pass	AV	2.4128G	114.71	Inf	-Inf	3	Horizontal	52	1.50
2437MHz	Pass	PK	2.3896G	60.60	74.00	-13.40	3	Horizontal	52	1.50
2437MHz	Pass	PK	2.413G	117.39	Inf	-Inf	3	Horizontal	52	1.50
2437MHz	Pass	AV	4.824G	52.73	54.00	-1.27	3	Vertical	10	1.07
2437MHz	Pass	PK	4.82396G	54.86	74.00	-19.14	3	Vertical	10	1.07
2437MHz	Pass	AV	4.824G	52.32	54.00	-1.68	3	Horizontal	353	1.50
2437MHz	Pass	PK	4.824G	54.82	74.00	-19.18	3	Horizontal	353	1.50
2457MHz	Pass	AV	2.4502G	108.70	Inf	-Inf	3	Vertical	356	1.50
2457MHz	Pass	AV	2.4835G	51.25	54.00	-2.75	3	Vertical	356	1.50
2457MHz	Pass	PK	2.4494G	120.55	Inf	-Inf	3	Vertical	356	1.50
2457MHz	Pass	PK	2.4854G	68.29	74.00	-5.71	3	Vertical	356	1.50
2457MHz	Pass	AV	2.4584G	112.59	Inf	-Inf	3	Horizontal	58	1.45
2457MHz	Pass	AV	2.4835G	52.76	54.00	-1.24	3	Horizontal	58	1.45
2457MHz	Pass	PK	2.4582G	124.57	Inf	-Inf	3	Horizontal	58	1.45
2457MHz	Pass	PK	2.4836G	73.01	74.00	-0.99	3	Horizontal	58	1.45
2462MHz	Pass	AV	2.4554G	109.44	Inf	-Inf	3	Vertical	360	1.87
2462MHz	Pass	AV	2.4848G	51.27	54.00	-2.73	3	Vertical	360	1.87
2462MHz	Pass	PK	2.4562G	122.88	Inf	-Inf	3	Vertical	360	1.87
2462MHz	Pass	PK	2.4838G	69.63	74.00	-4.37	3	Vertical	360	1.87
2462MHz	Pass	AV	2.455G	112.37	Inf	-Inf	3	Horizontal	324	1.28
2462MHz	Pass	AV	2.4835G	53.65	54.00	-0.35	3	Horizontal	324	1.28
2462MHz	Pass	PK	2.4564G	124.85	Inf	-Inf	3	Horizontal	324	1.28
2462MHz	Pass	PK	2.4862G	72.22	74.00	-1.78	3	Horizontal	324	1.28
2462MHz	Pass	AV	4.9285G	36.91	54.00	-17.09	3	Vertical	360	1.62
2462MHz	Pass	AV	7.38978G	37.40	54.00	-16.60	3	Vertical	58	1.50
2462MHz	Pass	PK	4.92754G	52.03	74.00	-21.97	3	Vertical	360	1.62
2462MHz	Pass	PK	7.39152G	52.87	74.00	-21.13	3	Vertical	58	1.50
2462MHz	Pass	AV	4.9282G	38.77	54.00	-15.23	3	Horizontal	320	1.56
2462MHz	Pass	AV	7.39056G	40.98	54.00	-13.02	3	Horizontal	304	1.50
2462MHz	Pass	PK	4.92856G	54.82	74.00	-19.18	3	Horizontal	320	1.56
2462MHz	Pass	PK	7.39362G	57.17	74.00	-16.83	3	Horizontal	304	1.50
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	50.32	54.00	-3.68	3	Vertical	7	1.16
2422MHz	Pass	AV	2.4232G	103.96	Inf	-Inf	3	Vertical	7	1.16
2422MHz	Pass	AV	2.4835G	45.16	54.00	-8.84	3	Vertical	7	1.16
2422MHz	Pass	PK	2.3896G	64.30	74.00	-9.70	3	Vertical	7	1.16
2422MHz	Pass	PK	2.4232G	117.43	Inf	-Inf	3	Vertical	7	1.16
2422MHz	Pass	PK	2.4944G	58.72	74.00	-15.28	3	Vertical	7	1.16
2422MHz	Pass	AV	2.39G	53.89	54.00	-0.11	3	Horizontal	61	1.49
2422MHz	Pass	AV	2.4236G	106.62	Inf	-Inf	3	Horizontal	61	1.49
2422MHz	Pass	AV	2.4835G	45.69	54.00	-8.31	3	Horizontal	61	1.49
2422MHz	Pass	PK	2.39G	68.36	74.00	-5.64	3	Horizontal	61	1.49
2422MHz	Pass	PK	2.4244G	119.09	Inf	-Inf	3	Horizontal	61	1.49
2422MHz	Pass	PK	2.4835G	58.81	74.00	-15.19	3	Horizontal	61	1.49
2422MHz	Pass	AV	4.8368G	34.46	54.00	-19.54	3	Vertical	20	1.52

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2422MHz	Pass	AV	7.25808G	34.73	54.00	-19.27	3	Vertical	301	1.54
2422MHz	Pass	PK	4.83656G	48.94	74.00	-25.06	3	Vertical	20	1.52
2422MHz	Pass	PK	7.26756G	48.68	74.00	-25.32	3	Vertical	301	1.54
2422MHz	Pass	AV	4.82816G	35.29	54.00	-18.71	3	Horizontal	357	2.59
2422MHz	Pass	AV	7.25952G	35.73	54.00	-18.27	3	Horizontal	310	1.50
2422MHz	Pass	PK	4.82828G	49.84	74.00	-24.16	3	Horizontal	357	2.59
2422MHz	Pass	PK	7.26696G	49.84	74.00	-24.16	3	Horizontal	310	1.50
2427MHz	Pass	AV	2.3898G	52.66	54.00	-1.34	3	Vertical	355	2.82
2427MHz	Pass	AV	2.433G	103.82	Inf	-Inf	3	Vertical	355	2.82
2427MHz	Pass	AV	2.4854G	45.25	54.00	-8.75	3	Vertical	355	2.82
2427MHz	Pass	PK	2.3898G	66.14	74.00	-7.86	3	Vertical	355	2.82
2427MHz	Pass	PK	2.4118G	117.15	Inf	-Inf	3	Vertical	355	2.82
2427MHz	Pass	PK	2.4838G	58.68	74.00	-15.32	3	Vertical	355	2.82
2427MHz	Pass	AV	2.3898G	53.44	54.00	-0.56	3	Horizontal	313	1.06
2427MHz	Pass	AV	2.4186G	108.72	Inf	-Inf	3	Horizontal	313	1.06
2427MHz	Pass	AV	2.4838G	46.55	54.00	-7.45	3	Horizontal	313	1.06
2427MHz	Pass	PK	2.3898G	68.08	74.00	-5.92	3	Horizontal	313	1.06
2427MHz	Pass	PK	2.4182G	120.67	Inf	-Inf	3	Horizontal	313	1.06
2427MHz	Pass	PK	2.4835G	60.12	74.00	-13.88	3	Horizontal	313	1.06
2437MHz	Pass	AV	2.3898G	52.15	54.00	-1.85	3	Vertical	345	1.11
2437MHz	Pass	AV	2.4486G	106.08	Inf	-Inf	3	Vertical	345	1.11
2437MHz	Pass	AV	2.4858G	53.92	54.00	-0.08	3	Vertical	345	1.11
2437MHz	Pass	PK	2.389G	69.58	74.00	-4.42	3	Vertical	345	1.11
2437MHz	Pass	PK	2.4478G	119.89	Inf	-Inf	3	Vertical	345	1.11
2437MHz	Pass	PK	2.4866G	70.22	74.00	-3.78	3	Vertical	345	1.11
2437MHz	Pass	AV	2.3898G	53.51	54.00	-0.49	3	Horizontal	62	2.09
2437MHz	Pass	AV	2.4198G	109.62	Inf	-Inf	3	Horizontal	62	2.09
2437MHz	Pass	AV	2.4835G	52.50	54.00	-1.50	3	Horizontal	62	2.09
2437MHz	Pass	PK	2.3894G	68.09	74.00	-5.91	3	Horizontal	62	2.09
2437MHz	Pass	PK	2.4198G	122.69	Inf	-Inf	3	Horizontal	62	2.09
2437MHz	Pass	PK	2.485G	66.44	74.00	-7.56	3	Horizontal	62	2.09
2437MHz	Pass	AV	4.86896G	36.10	54.00	-17.90	3	Vertical	29	1.50
2437MHz	Pass	AV	7.3236G	36.86	54.00	-17.14	3	Vertical	306	1.65
2437MHz	Pass	PK	4.86908G	50.55	74.00	-23.45	3	Vertical	29	1.50
2437MHz	Pass	PK	7.32192G	51.62	74.00	-22.38	3	Vertical	306	1.65
2437MHz	Pass	AV	4.86968G	36.93	54.00	-17.07	3	Horizontal	9	1.01
2437MHz	Pass	AV	7.32372G	40.45	54.00	-13.55	3	Horizontal	311	1.56
2437MHz	Pass	PK	4.84868G	51.09	74.00	-22.91	3	Horizontal	9	1.01
2437MHz	Pass	PK	7.29996G	56.89	74.00	-17.11	3	Horizontal	311	1.56
2452MHz	Pass	AV	2.39G	46.77	54.00	-7.23	3	Vertical	11	1.13
2452MHz	Pass	AV	2.4532G	106.10	Inf	-Inf	3	Vertical	11	1.13
2452MHz	Pass	AV	2.4835G	49.93	54.00	-4.07	3	Vertical	11	1.13
2452MHz	Pass	PK	2.3608G	59.20	74.00	-14.80	3	Vertical	11	1.13
2452MHz	Pass	PK	2.4532G	119.40	Inf	-Inf	3	Vertical	11	1.13
2452MHz	Pass	PK	2.4852G	68.33	74.00	-5.67	3	Vertical	11	1.13
2452MHz	Pass	AV	2.39G	47.51	54.00	-6.49	3	Horizontal	64	2.04
2452MHz	Pass	AV	2.454G	109.96	Inf	-Inf	3	Horizontal	64	2.04
2452MHz	Pass	AV	2.4835G	53.48	54.00	-0.52	3	Horizontal	64	2.04
2452MHz	Pass	PK	2.39G	60.26	74.00	-13.74	3	Horizontal	64	2.04
2452MHz	Pass	PK	2.4528G	122.77	Inf	-Inf	3	Horizontal	64	2.04
2452MHz	Pass	PK	2.4856G	70.67	74.00	-3.33	3	Horizontal	64	2.04
2452MHz	Pass	AV	4.89812G	35.60	54.00	-18.40	3	Vertical	20	1.55
2452MHz	Pass	AV	7.36404G	36.18	54.00	-17.82	3	Vertical	43	2.42
2452MHz	Pass	PK	4.89692G	50.05	74.00	-23.95	3	Vertical	20	1.55
2452MHz	Pass	PK	7.34592G	50.99	74.00	-23.01	3	Vertical	43	2.42
2452MHz	Pass	AV	4.90664G	35.83	54.00	-18.17	3	Horizontal	351	2.20
2452MHz	Pass	AV	7.35036G	39.04	54.00	-14.96	3	Horizontal	307	1.50
2452MHz	Pass	PK	4.90748G	50.80	74.00	-23.20	3	Horizontal	351	2.20
2452MHz	Pass	PK	7.347G	54.38	74.00	-19.62	3	Horizontal	307	1.50

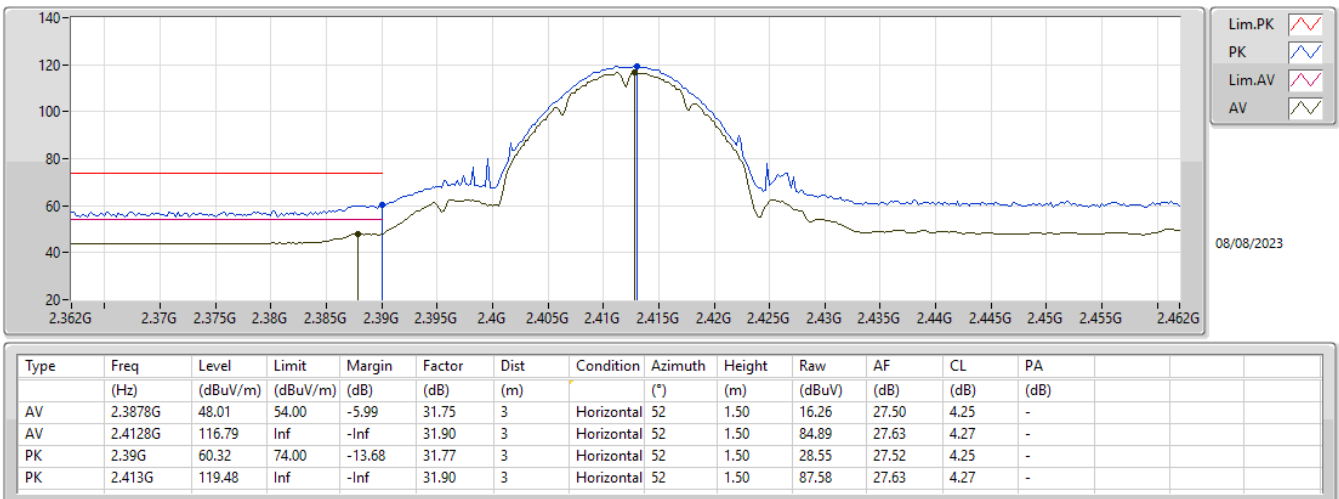
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2412MHz_TX



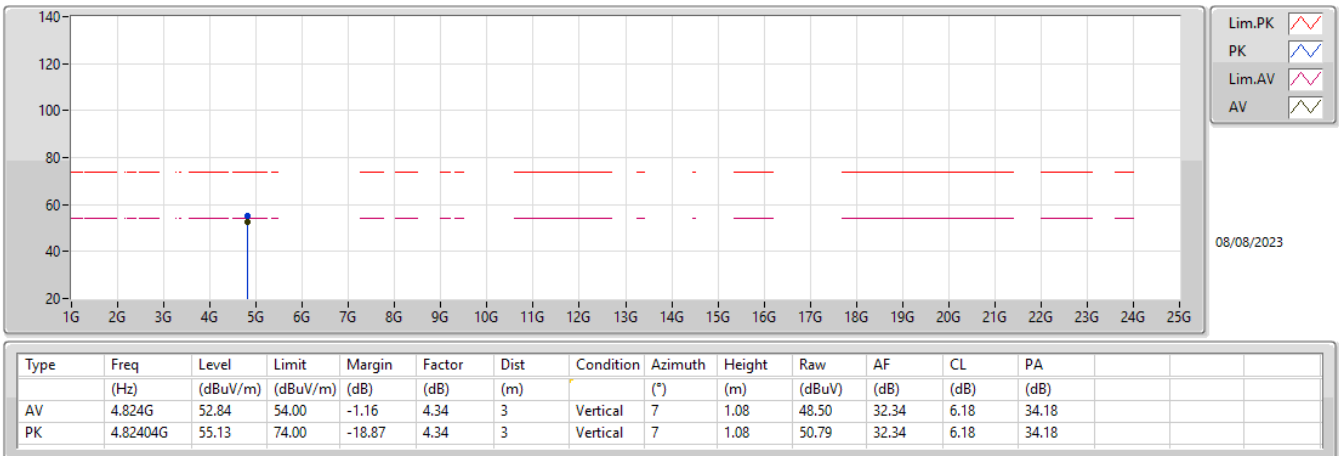
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2412MHz_TX



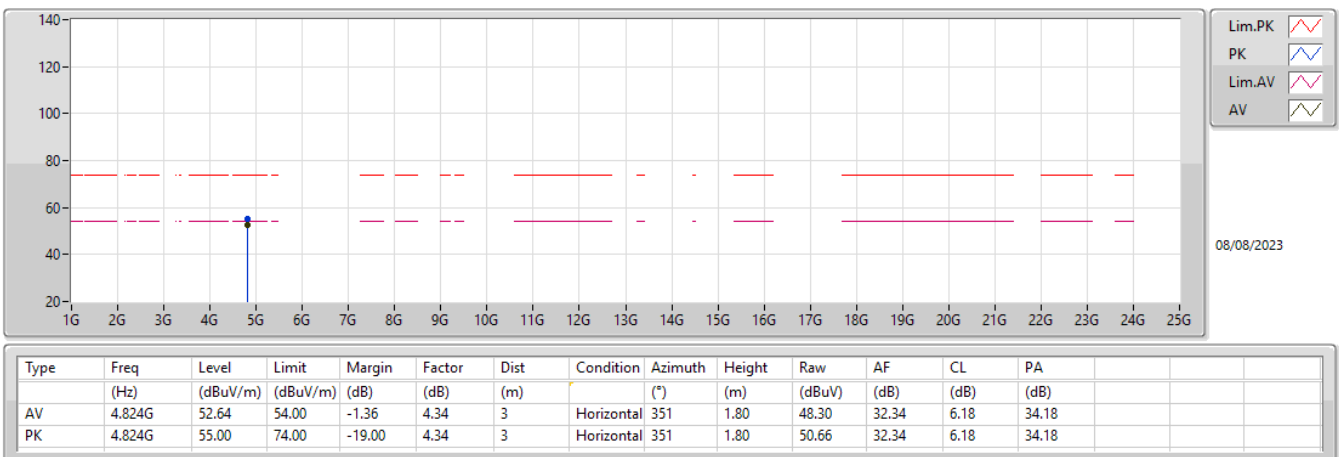
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2412MHz_TX



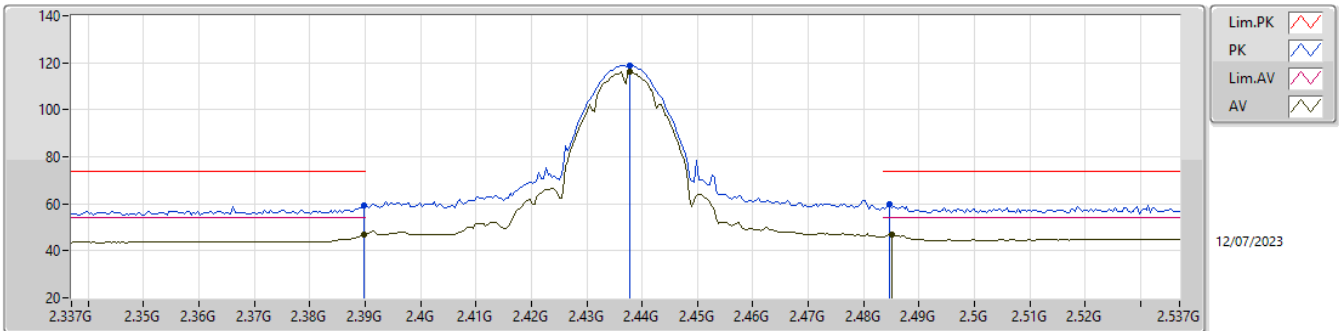
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2412MHz_TX



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

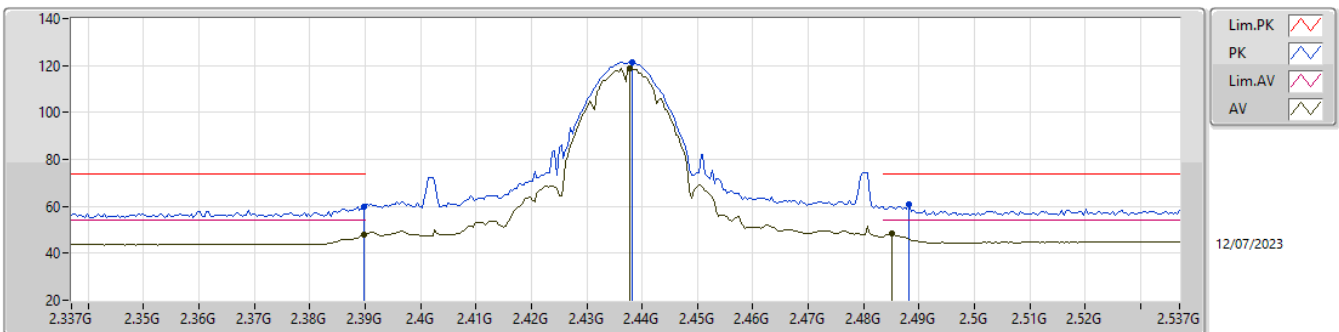
2437MHz_TX



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	47.07	54.00	-6.93	31.77	3	Vertical	8	1.17	15.30	27.52	4.25	-
AV	2.4378G	116.18	Inf	-Inf	31.96	3	Vertical	8	1.17	84.22	27.68	4.28	-
AV	2.485G	46.86	54.00	-7.14	32.15	3	Vertical	8	1.17	14.71	27.84	4.31	-
PK	2.3898G	59.52	74.00	-14.48	31.77	3	Vertical	8	1.17	27.75	27.52	4.25	-
PK	2.4378G	118.87	Inf	-Inf	31.96	3	Vertical	8	1.17	86.91	27.68	4.28	-
PK	2.4846G	59.83	74.00	-14.17	32.15	3	Vertical	8	1.17	27.68	27.84	4.31	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX

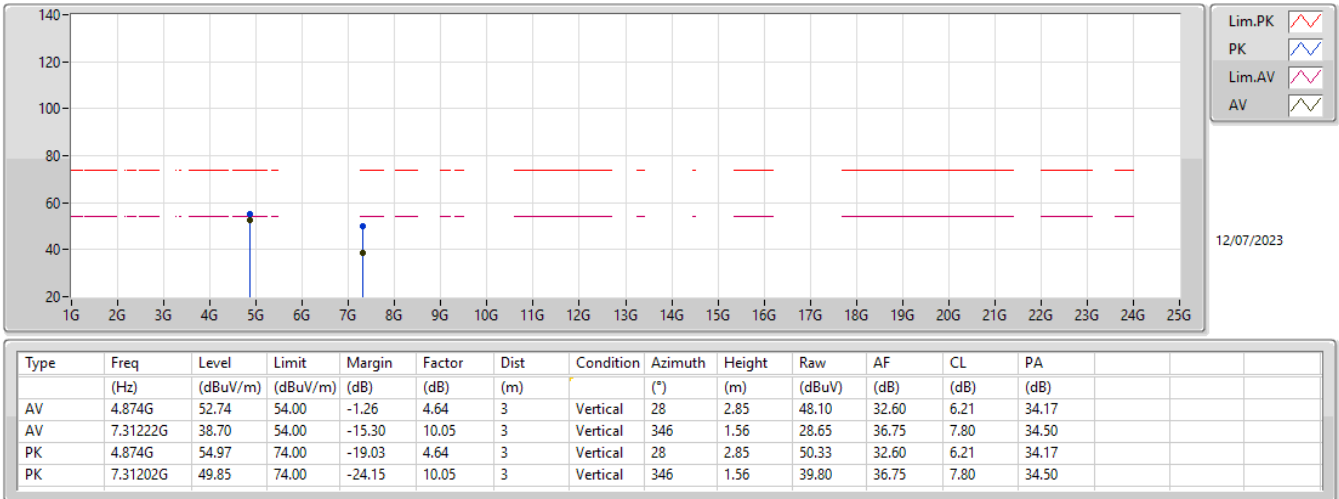
2437MHz_TX



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	48.11	54.00	-5.89	31.77	3	Horizontal	60	1.22	16.34	27.52	4.25	-
AV	2.4378G	118.64	Inf	-Inf	31.96	3	Horizontal	60	1.22	86.68	27.68	4.28	-
AV	2.485G	48.21	54.00	-5.79	32.15	3	Horizontal	60	1.22	16.06	27.84	4.31	-
PK	2.3898G	59.98	74.00	-14.02	31.77	3	Horizontal	60	1.22	28.21	27.52	4.25	-
PK	2.4382G	121.49	Inf	-Inf	31.96	3	Horizontal	60	1.22	89.53	27.68	4.28	-
PK	2.4882G	60.99	74.00	-13.01	32.16	3	Horizontal	60	1.22	28.83	27.85	4.31	-

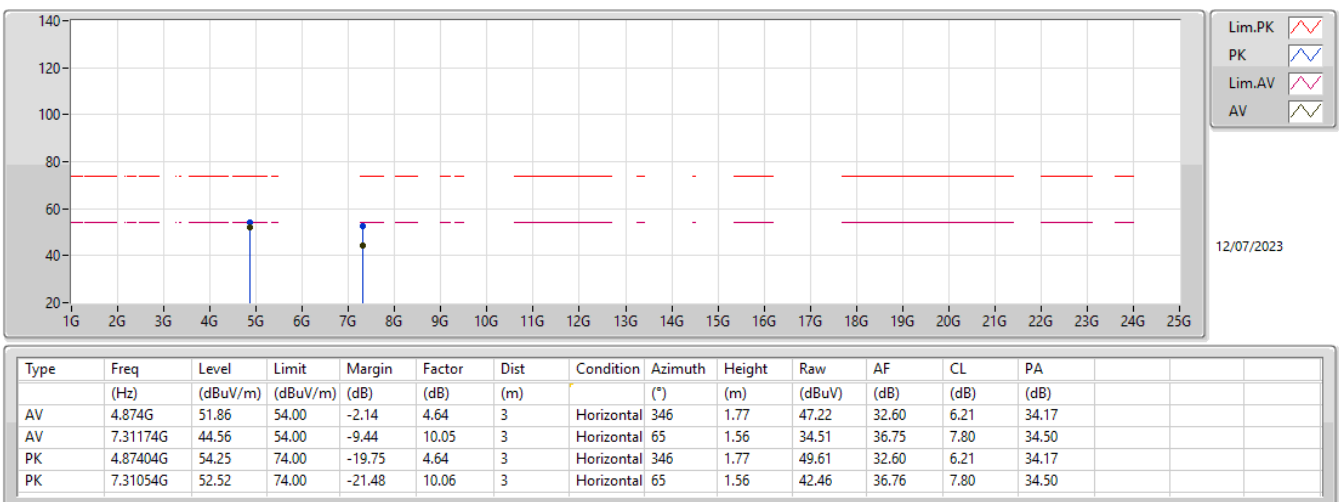
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2437MHz_TX



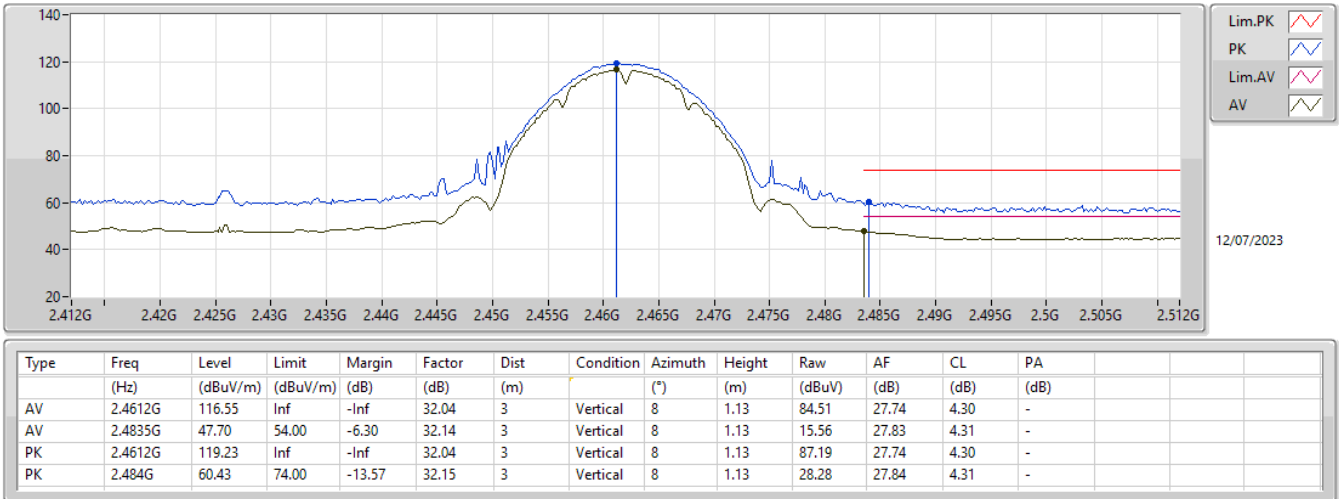
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2437MHz_TX



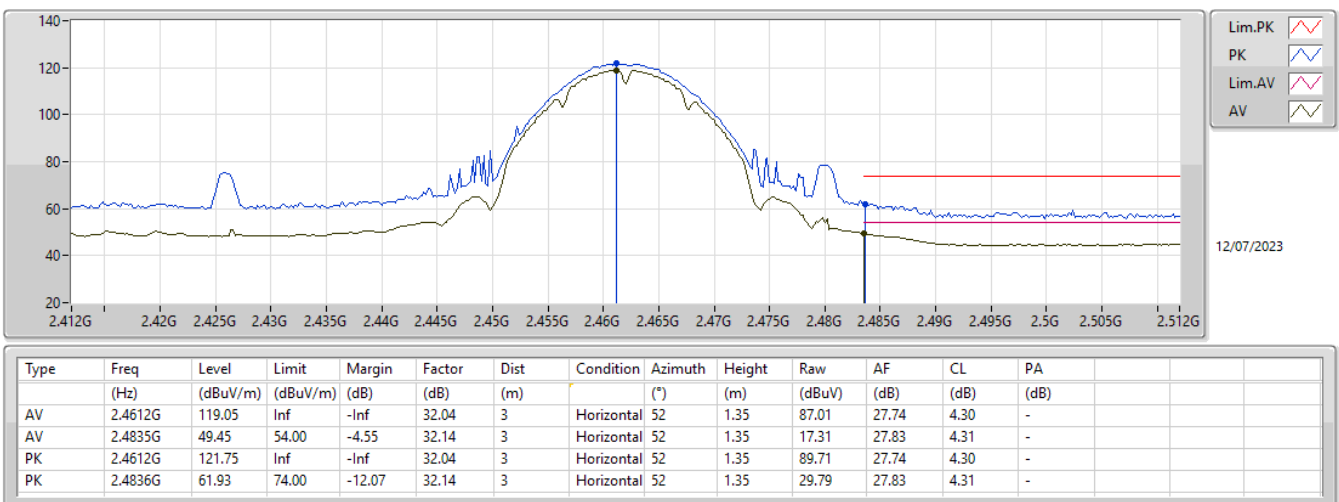
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2462MHz_TX



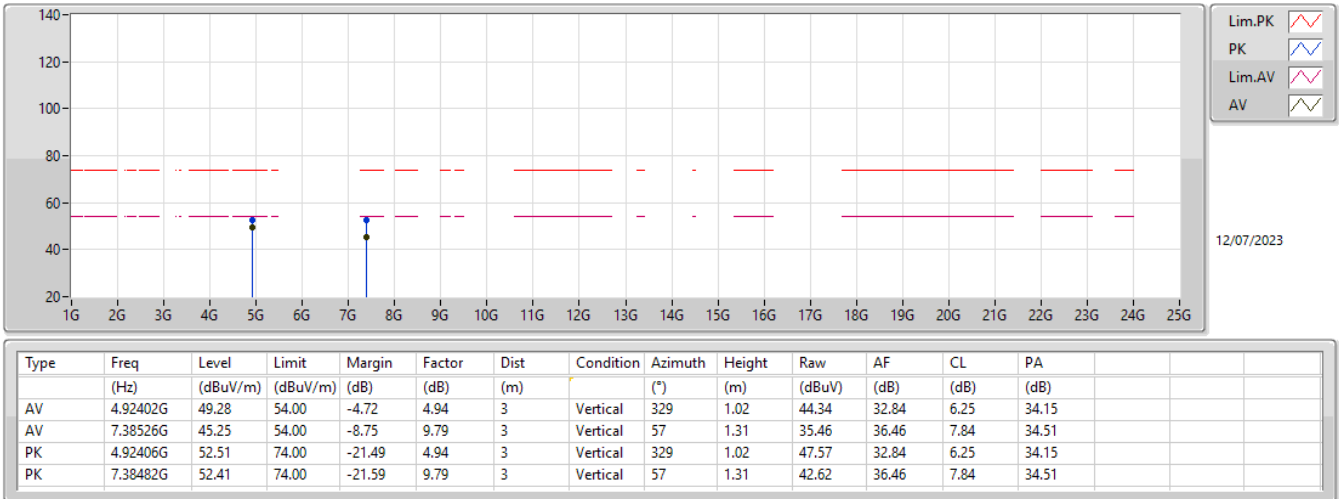
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2462MHz_TX



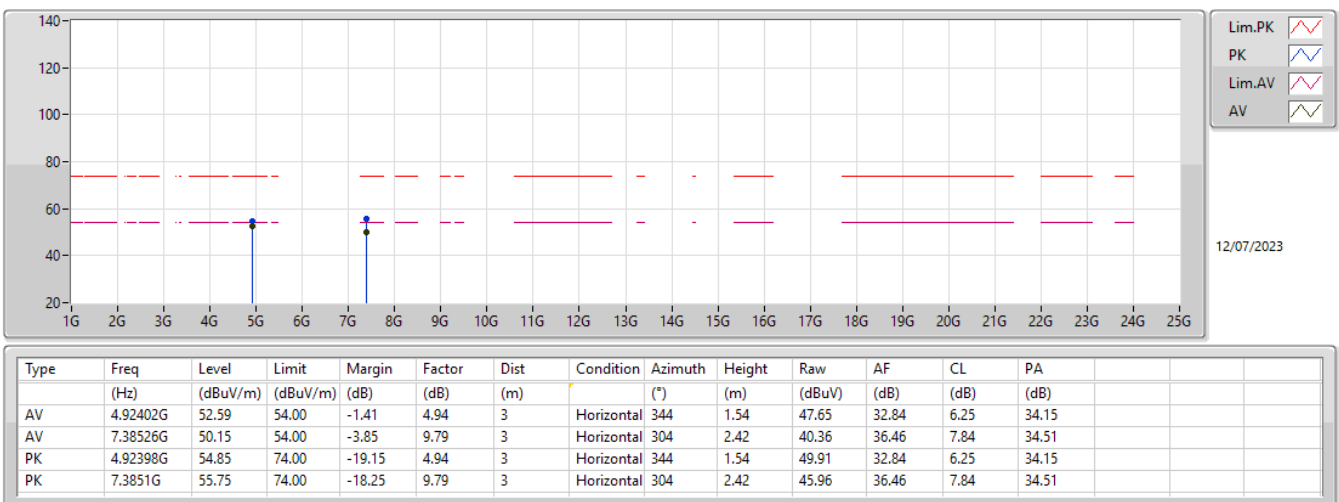
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2462MHz_TX



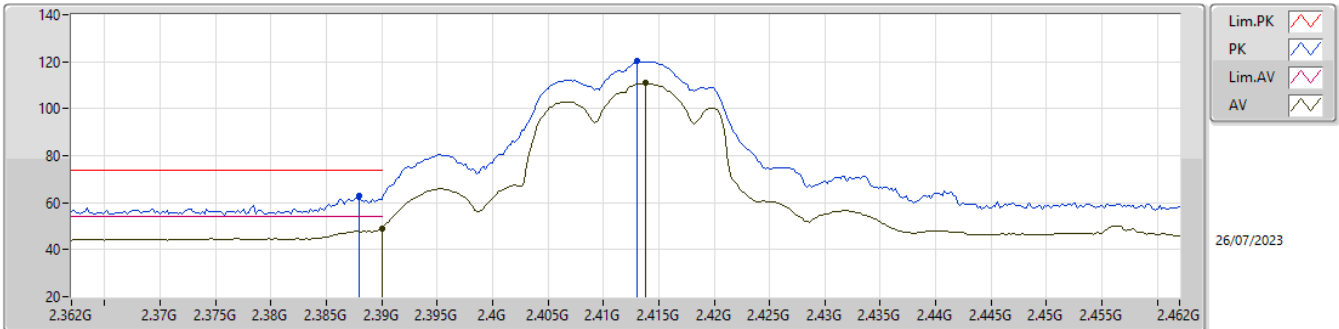
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2462MHz_TX



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

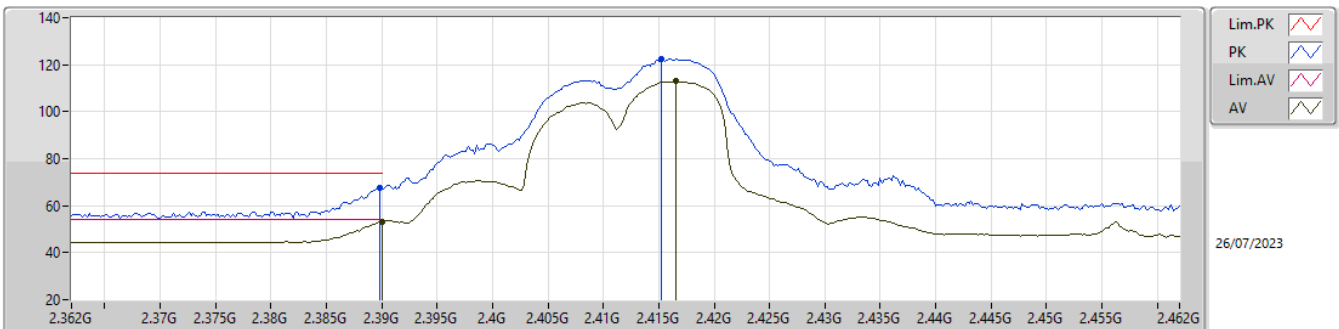
2412MHz_TX



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	48.94	54.00	-5.06	31.77	3	Vertical	14	1.05	17.17	27.52	4.25	-
AV	2.4138G	110.81	Inf	-Inf	31.90	3	Vertical	14	1.05	78.91	27.63	4.27	-
PK	2.388G	62.89	74.00	-11.11	31.75	3	Vertical	14	1.05	31.14	27.50	4.25	-
PK	2.413G	120.47	Inf	-Inf	31.90	3	Vertical	14	1.05	88.57	27.63	4.27	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

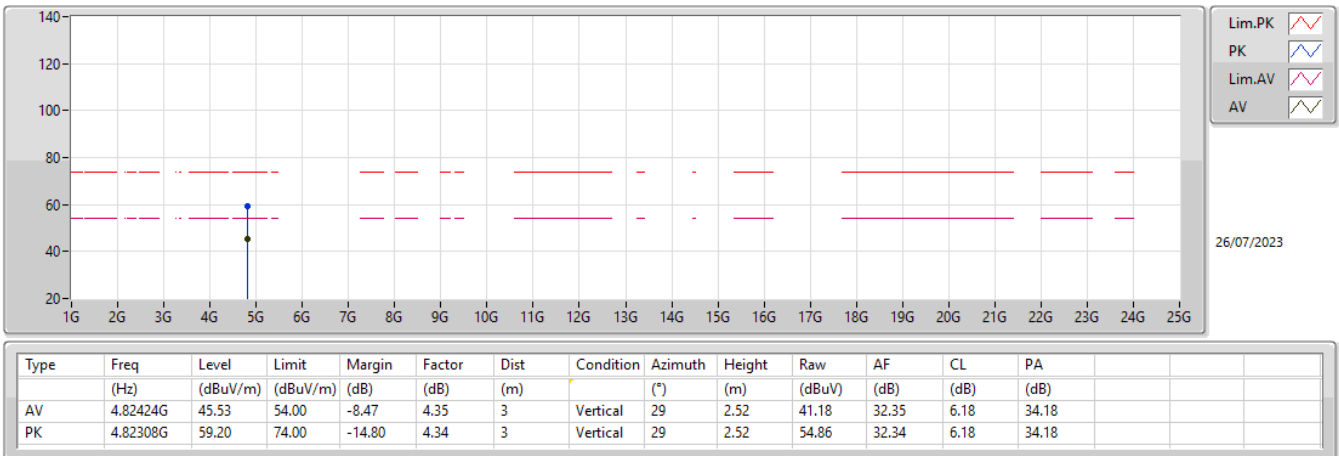
2412MHz_TX



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	53.20	54.00	-0.80	31.77	3	Horizontal	310	1.06	21.43	27.52	4.25	-
AV	2.4166G	112.91	Inf	-Inf	31.90	3	Horizontal	310	1.06	81.01	27.63	4.27	-
PK	2.3898G	67.72	74.00	-6.28	31.77	3	Horizontal	310	1.06	35.95	27.52	4.25	-
PK	2.4152G	122.63	Inf	-Inf	31.90	3	Horizontal	310	1.06	90.73	27.63	4.27	-

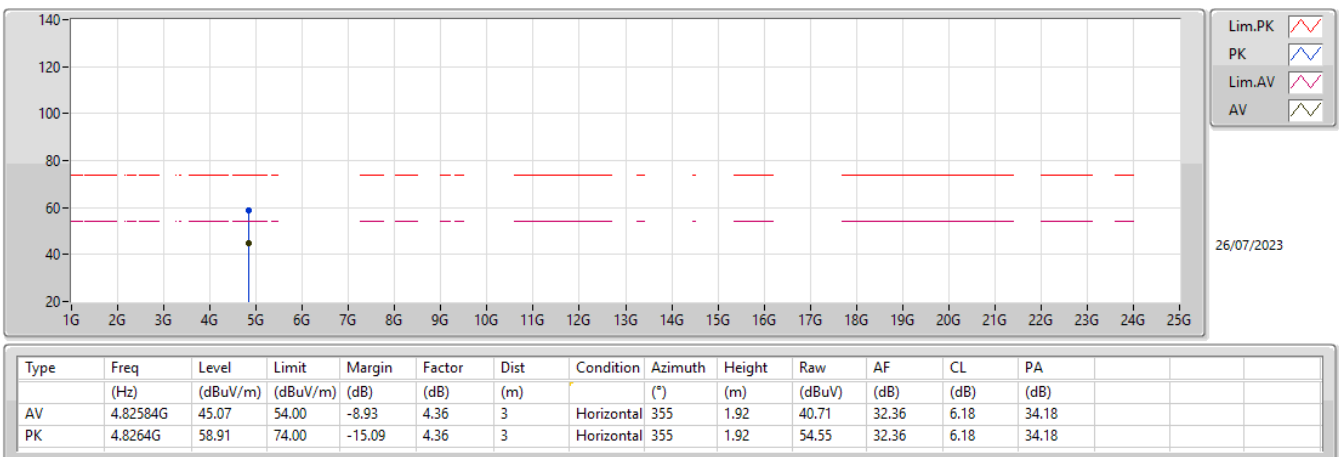
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX



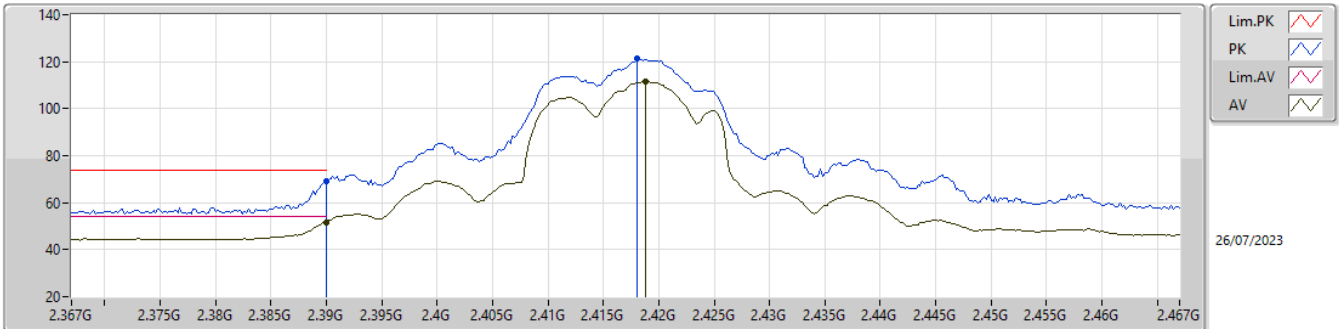
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2412MHz_TX



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

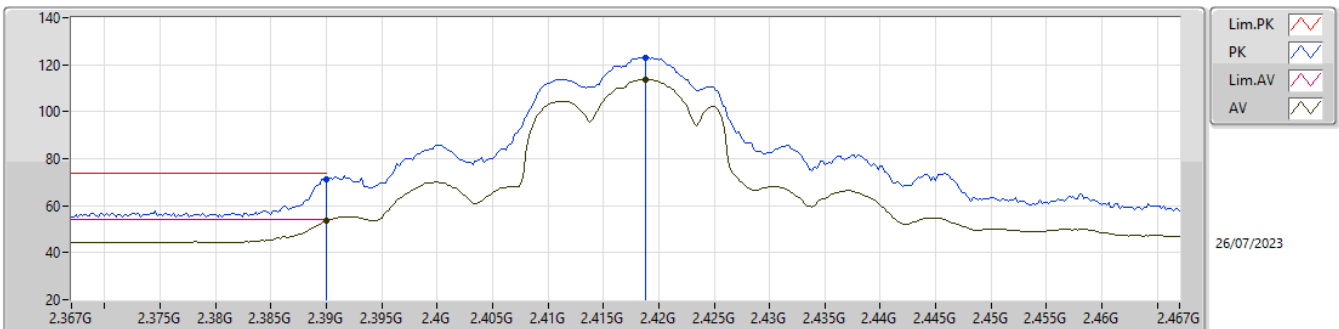
2417MHz_TX



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	51.77	54.00	-2.23	31.77	3	Vertical	16	1.07	20.00	27.52	4.25	-
AV	2.4188G	111.45	Inf	-Inf	31.91	3	Vertical	16	1.07	79.54	27.64	4.27	-
PK	2.39G	69.10	74.00	-4.90	31.77	3	Vertical	16	1.07	37.33	27.52	4.25	-
PK	2.4188G	121.17	Inf	-Inf	31.91	3	Vertical	16	1.07	89.26	27.64	4.27	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

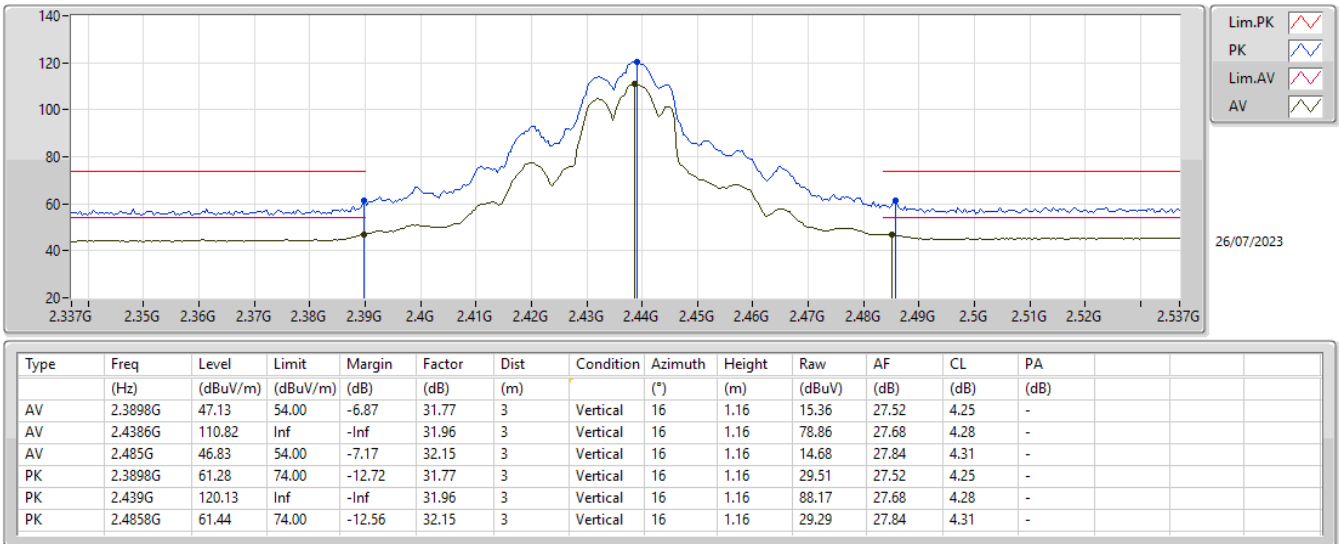
2417MHz_TX



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	53.56	54.00	-0.44	31.77	3	Horizontal	64	1.25	21.79	27.52	4.25	-
AV	2.4188G	113.79	Inf	-Inf	31.91	3	Horizontal	64	1.25	81.88	27.64	4.27	-
PK	2.39G	71.19	74.00	-2.81	31.77	3	Horizontal	64	1.25	39.42	27.52	4.25	-
PK	2.4188G	122.93	Inf	-Inf	31.91	3	Horizontal	64	1.25	91.02	27.64	4.27	-

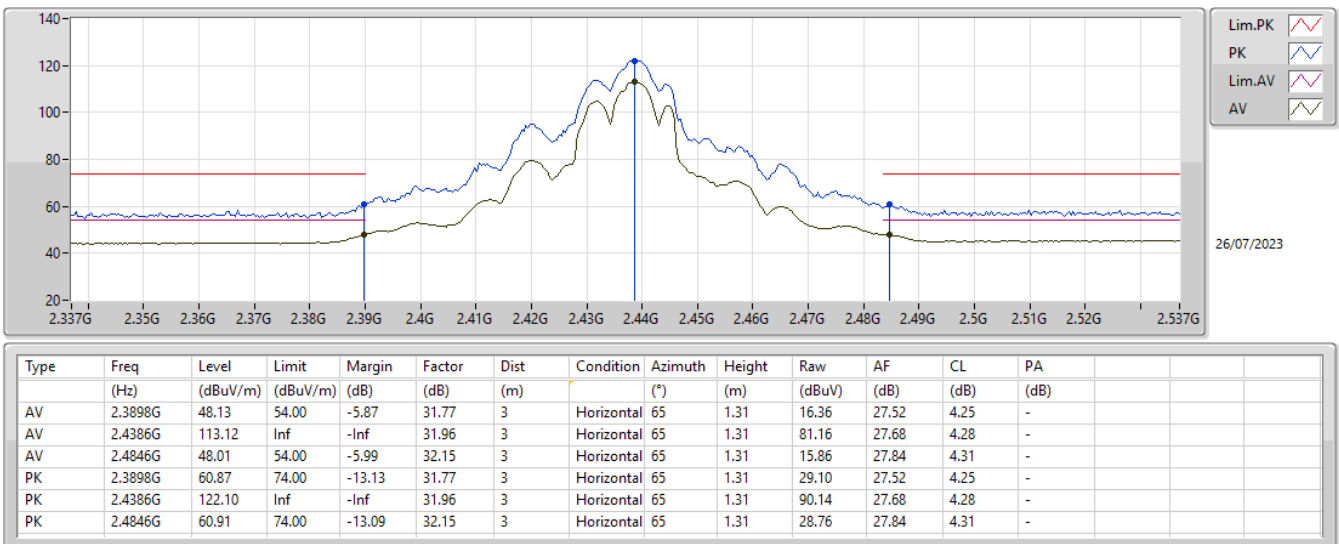
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX



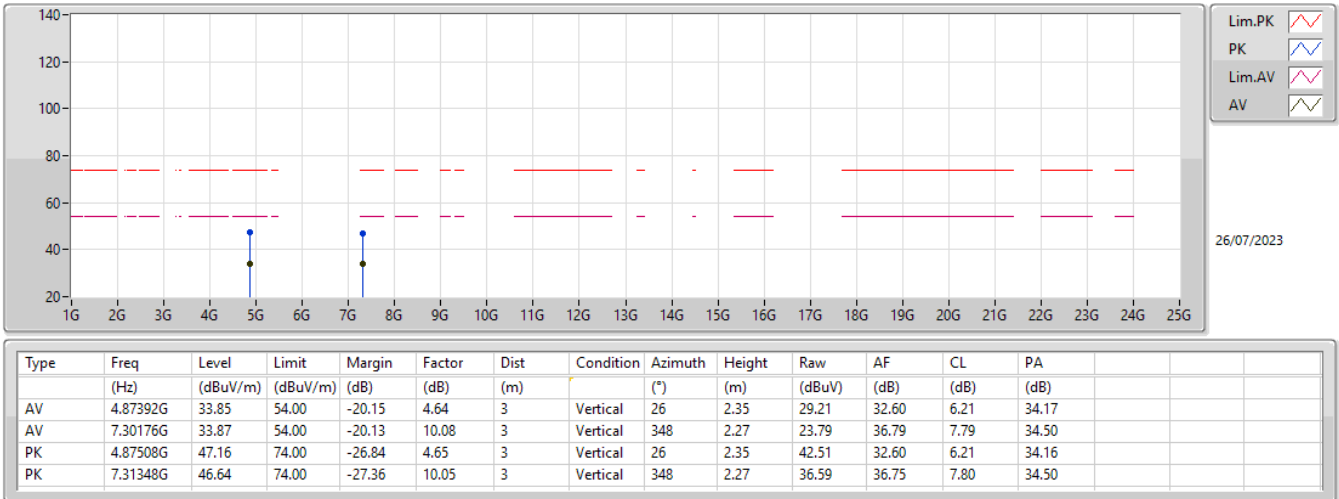
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX



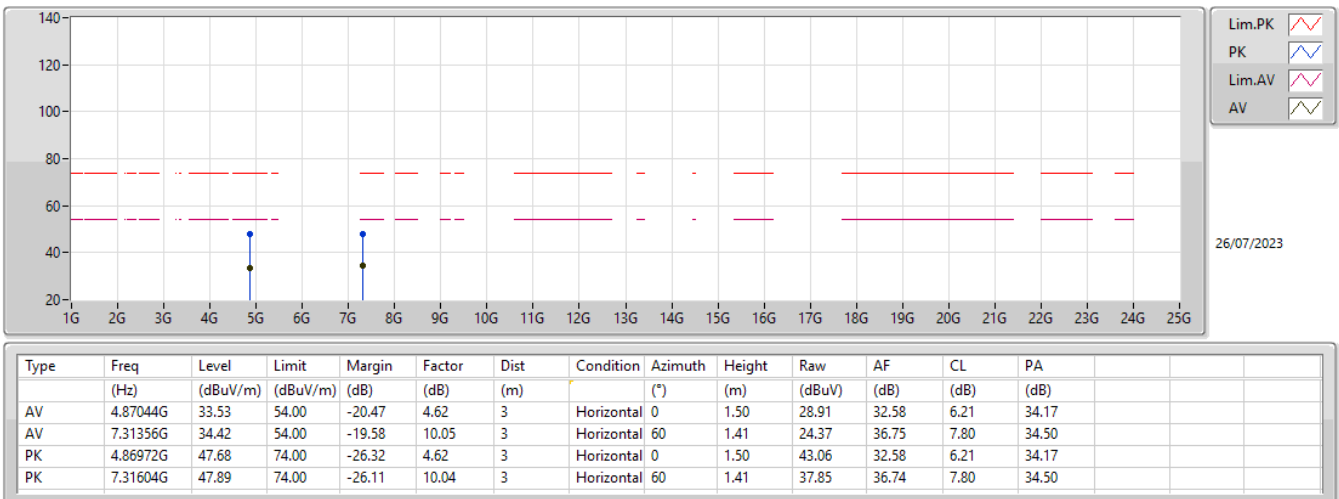
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX



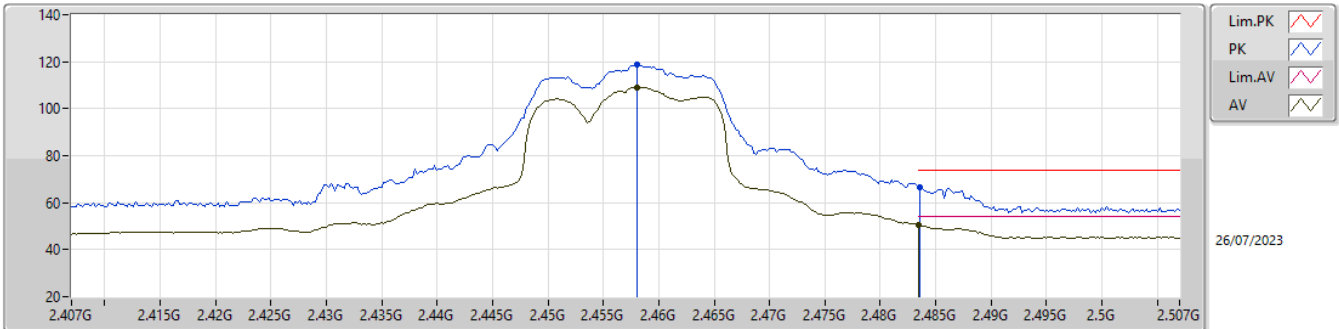
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

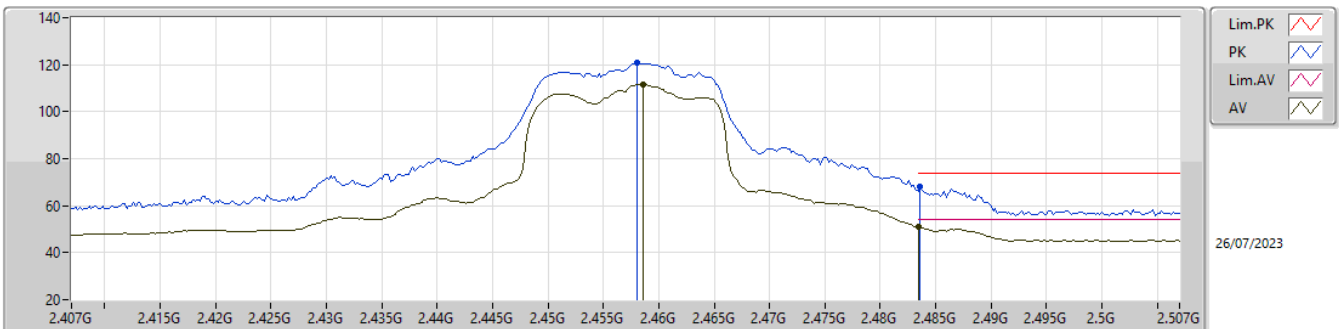
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.458G	109.12	Inf	-Inf	32.02	3	Vertical	4	1.09	77.10	27.73	4.29	-
AV	2.4835G	50.42	54.00	-3.58	32.14	3	Vertical	4	1.09	18.28	27.83	4.31	-
PK	2.458G	118.84	Inf	-Inf	32.02	3	Vertical	4	1.09	86.82	27.73	4.29	-
PK	2.4836G	66.79	74.00	-7.21	32.14	3	Vertical	4	1.09	34.65	27.83	4.31	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

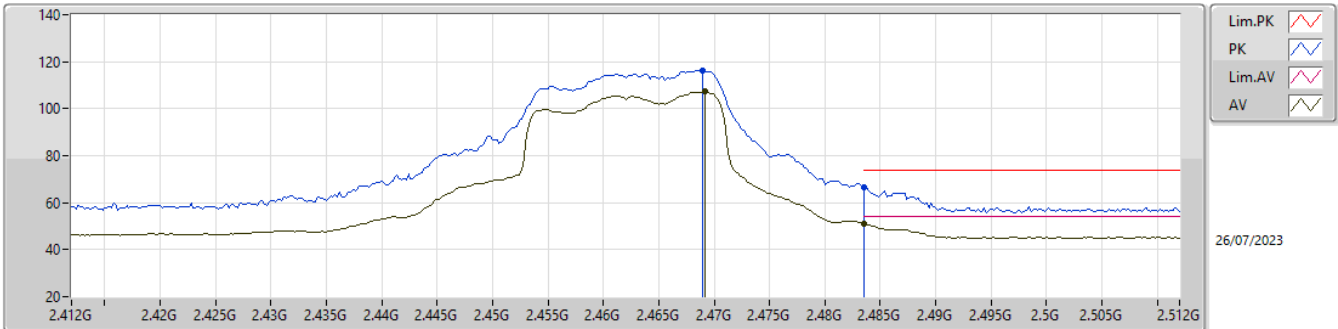
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.4586G	111.36	Inf	-Inf	32.03	3	Horizontal	339	1.09	79.33	27.73	4.30	-
AV	2.4835G	50.87	54.00	-3.13	32.14	3	Horizontal	339	1.09	18.73	27.83	4.31	-
PK	2.458G	120.68	Inf	-Inf	32.02	3	Horizontal	339	1.09	88.66	27.73	4.29	-
PK	2.4836G	67.96	74.00	-6.04	32.14	3	Horizontal	339	1.09	35.82	27.83	4.31	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

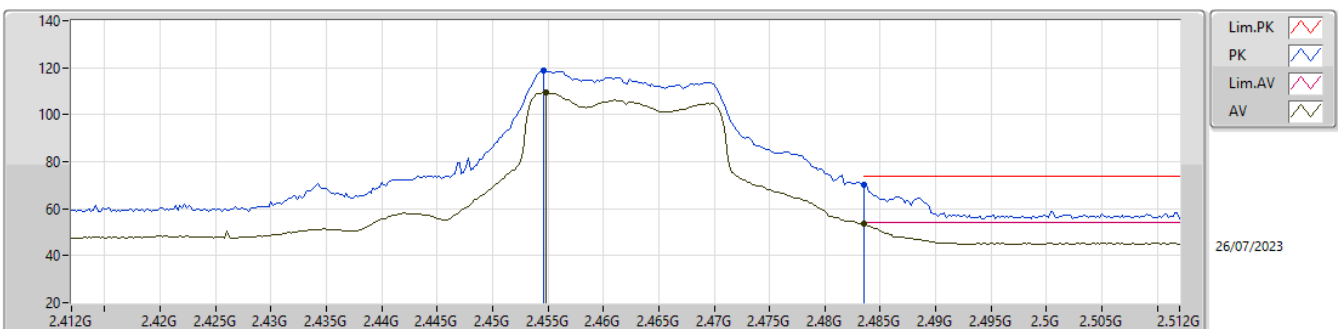
2462MHz_TX



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	2.4692G	107.27	Inf	-Inf	32.08	3	Vertical	357	3.00	75.19	27.78	4.30	-
AV	2.4835G	51.29	54.00	-2.71	32.14	3	Vertical	357	3.00	19.15	27.83	4.31	-
PK	2.469G	116.25	Inf	-Inf	32.08	3	Vertical	357	3.00	84.17	27.78	4.30	-
PK	2.4835G	66.76	74.00	-7.24	32.14	3	Vertical	357	3.00	34.62	27.83	4.31	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

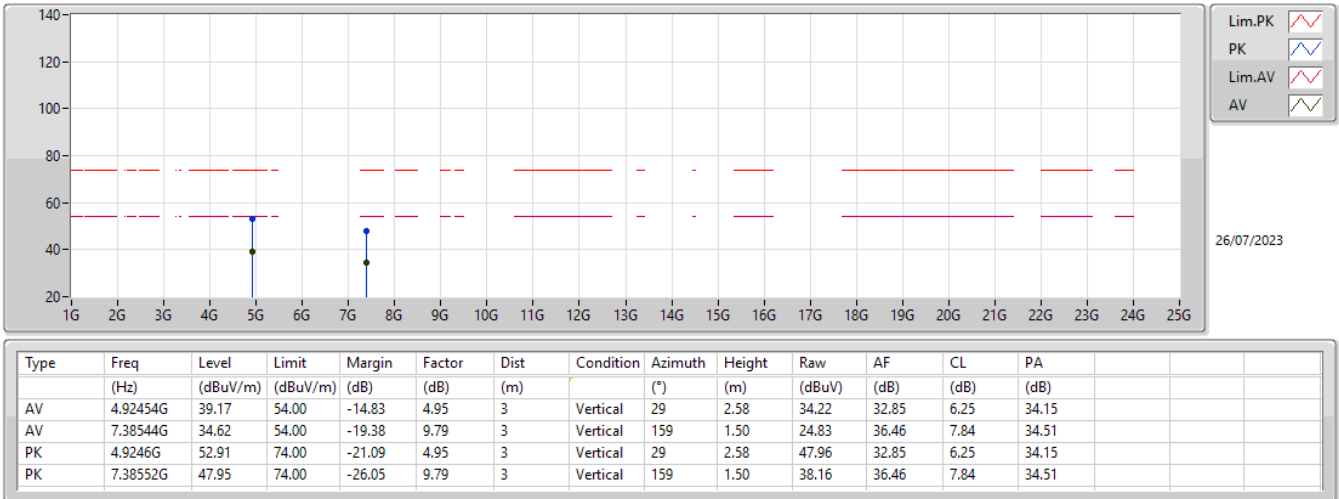
2462MHz_TX



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	2.4548G	109.57	Inf	-Inf	32.01	3	Horizontal	320	1.50	77.56	27.72	4.29	-
AV	2.4835G	53.42	54.00	-0.58	32.14	3	Horizontal	320	1.50	21.28	27.83	4.31	-
PK	2.4546G	118.54	Inf	-Inf	32.01	3	Horizontal	320	1.50	86.53	27.72	4.29	-
PK	2.4835G	70.20	74.00	-3.80	32.14	3	Horizontal	320	1.50	38.06	27.83	4.31	-

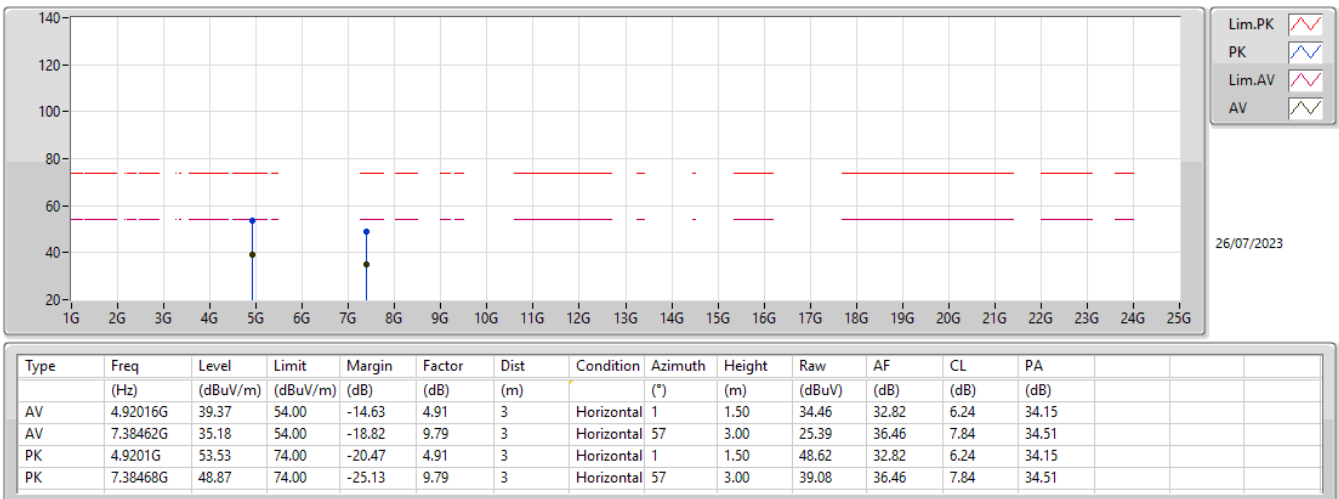
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX



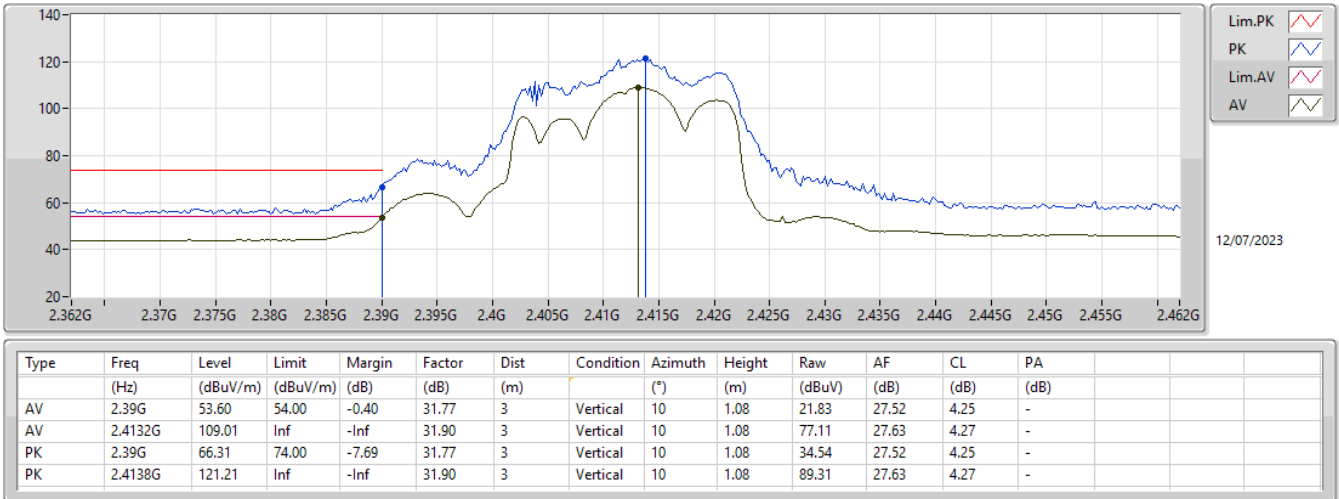
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX



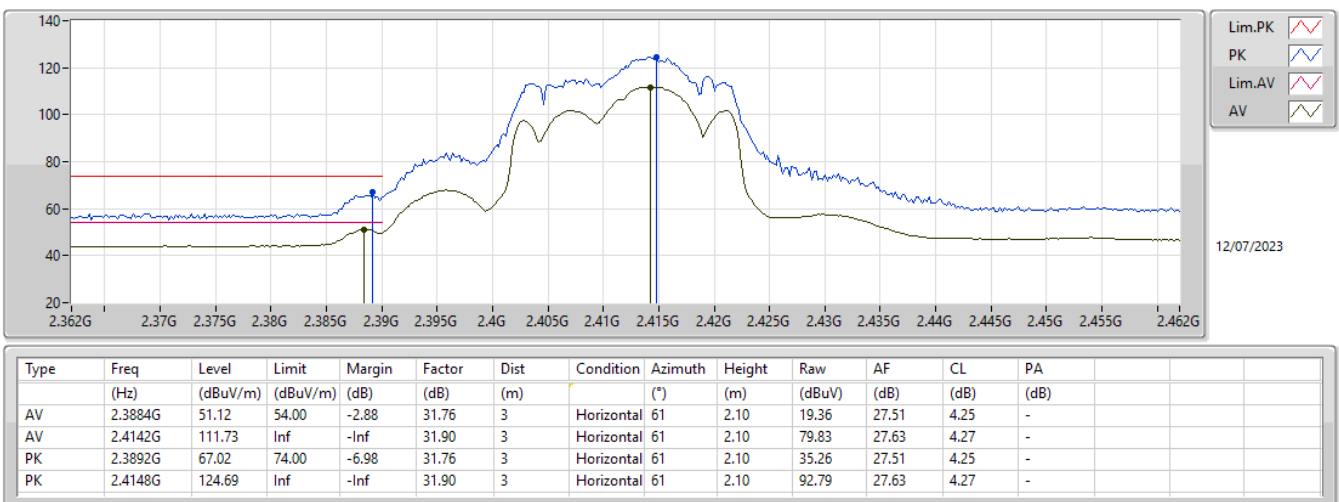
2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

2412MHz_TX



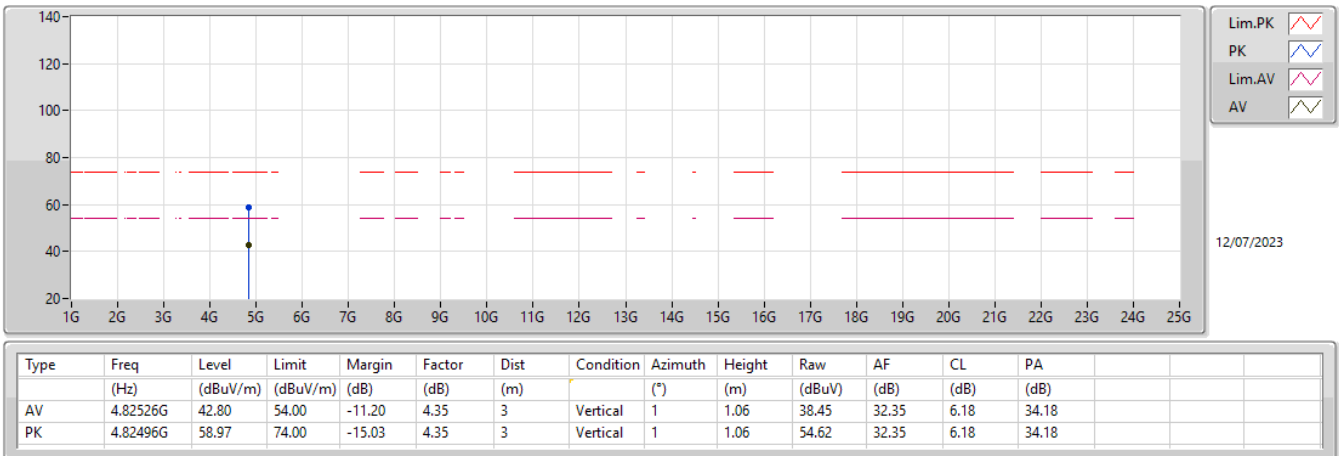
2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

2412MHz_TX



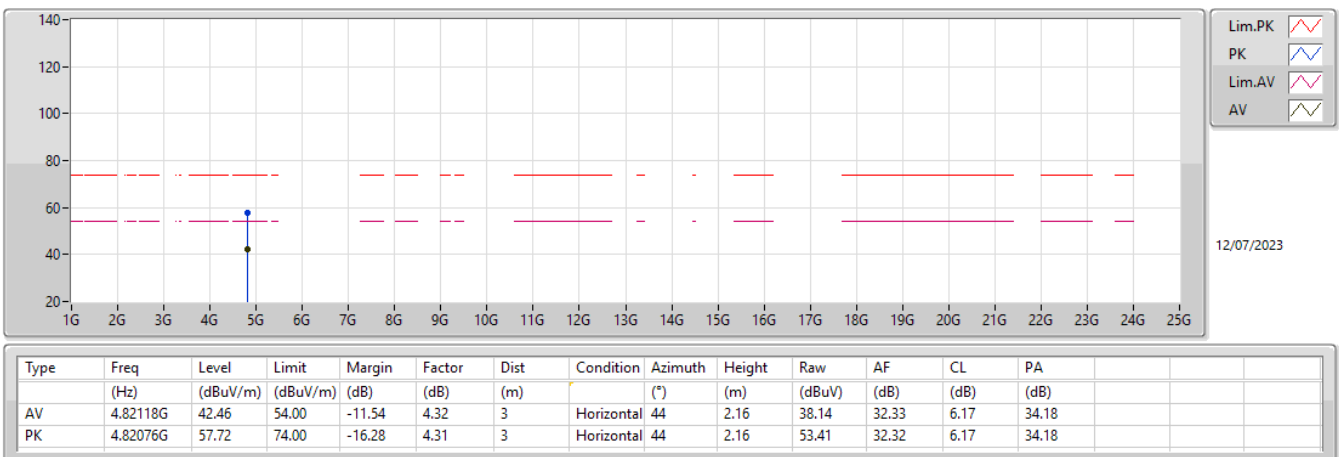
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX



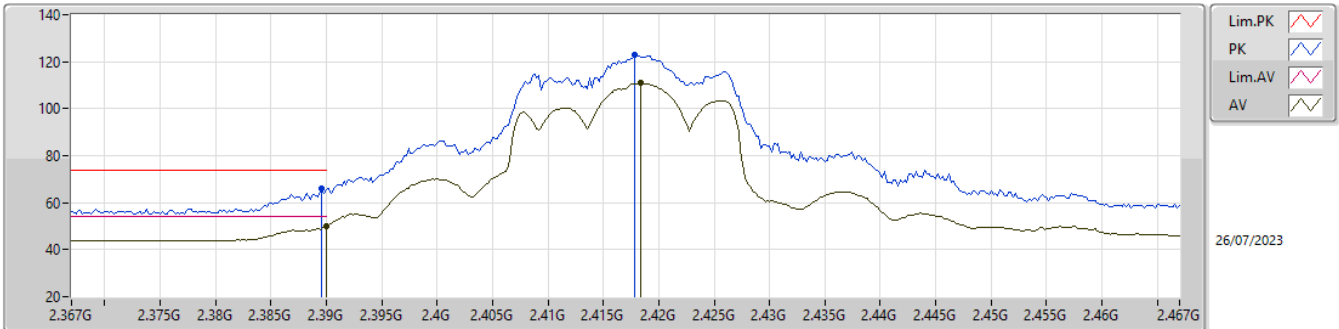
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX



2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

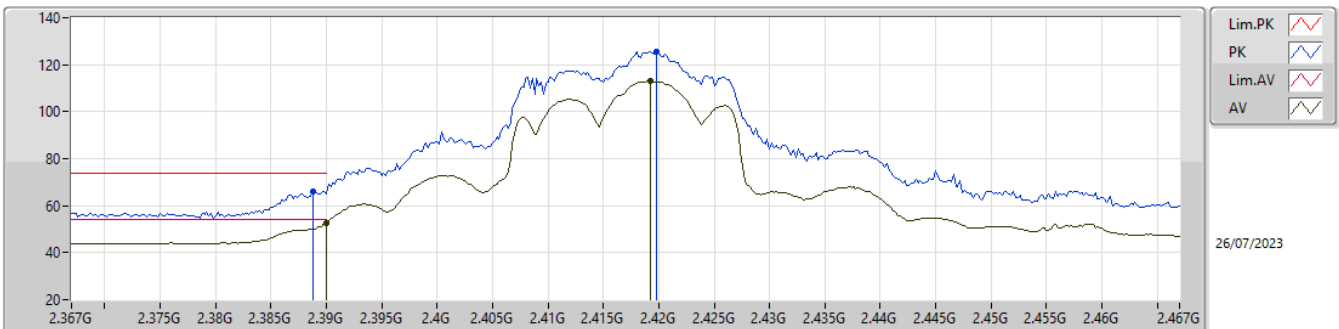
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	49.84	54.00	-4.16	31.77	3	Vertical	12	1.08	18.07	27.52	4.25	-
AV	2.4184G	110.86	Inf	-Inf	31.91	3	Vertical	12	1.08	78.95	27.64	4.27	-
PK	2.3896G	65.87	74.00	-8.13	31.77	3	Vertical	12	1.08	34.10	27.52	4.25	-
PK	2.4178G	122.82	Inf	-Inf	31.91	3	Vertical	12	1.08	90.91	27.64	4.27	-

2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

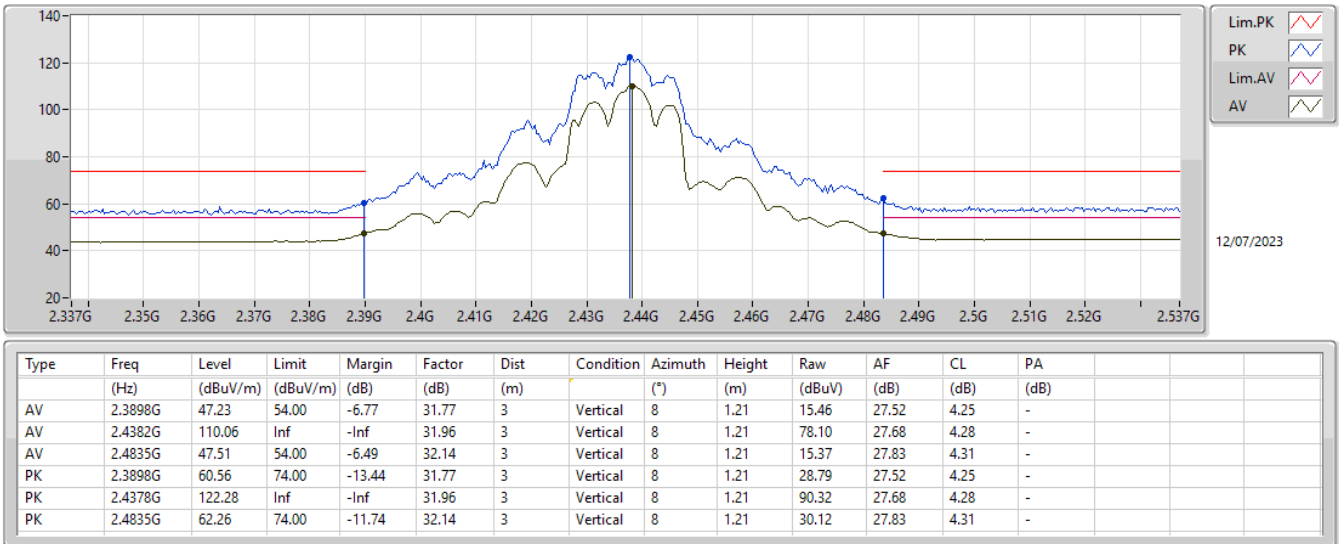
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.84	54.00	-1.16	31.77	3	Horizontal	58	1.91	21.07	27.52	4.25	-
AV	2.4192G	112.99	Inf	-Inf	31.91	3	Horizontal	58	1.91	81.08	27.64	4.27	-
PK	2.3888G	66.20	74.00	-7.80	31.76	3	Horizontal	58	1.91	34.44	27.51	4.25	-
PK	2.4198G	125.63	Inf	-Inf	31.91	3	Horizontal	58	1.91	93.72	27.64	4.27	-

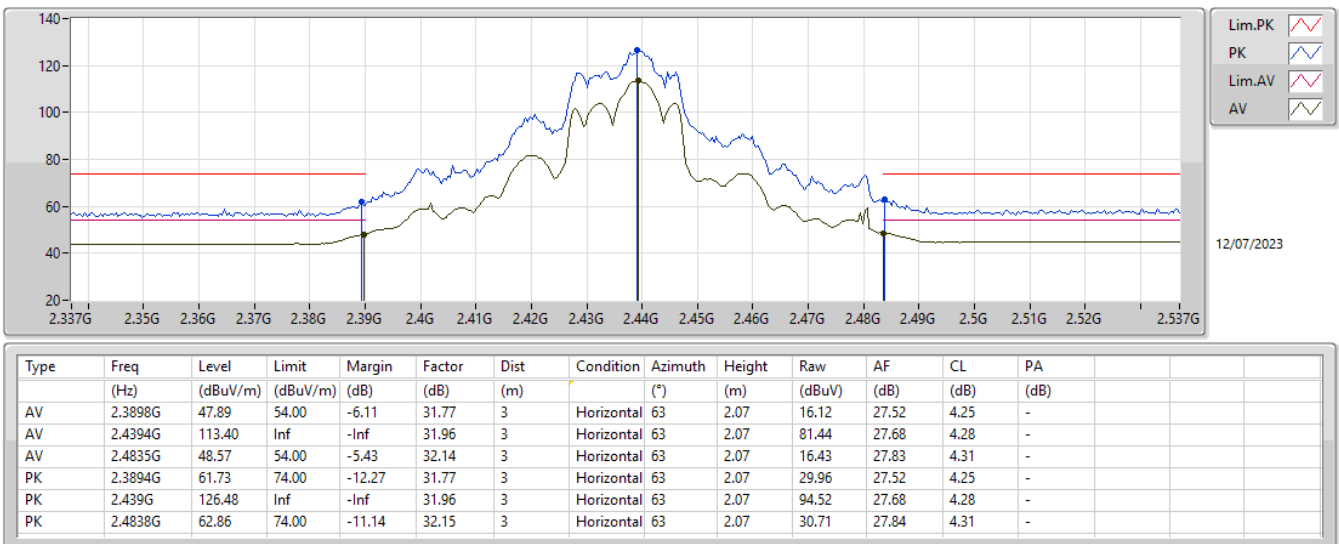
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX



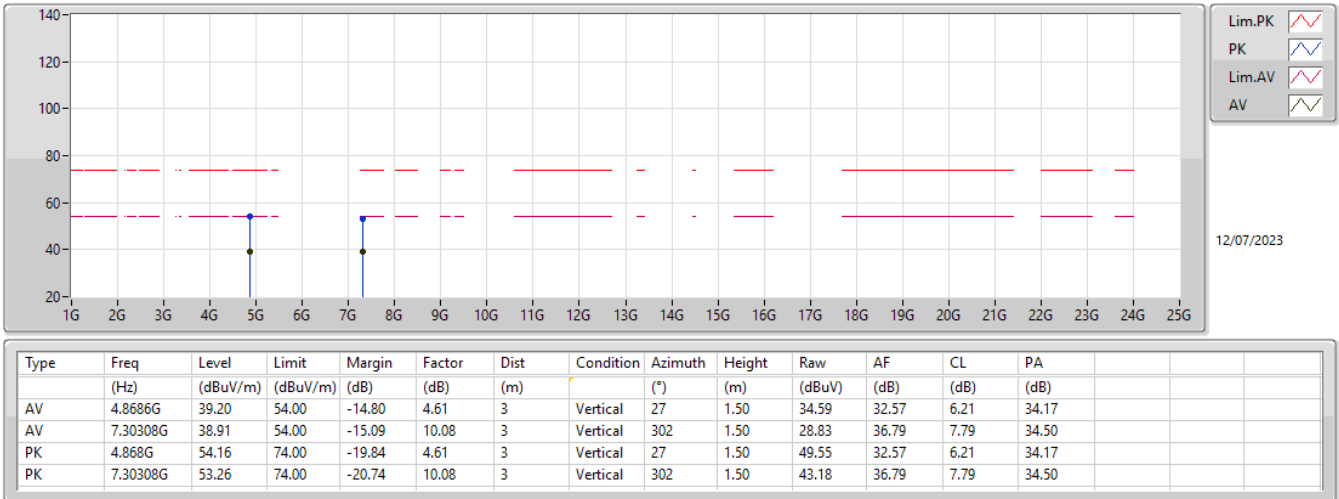
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX



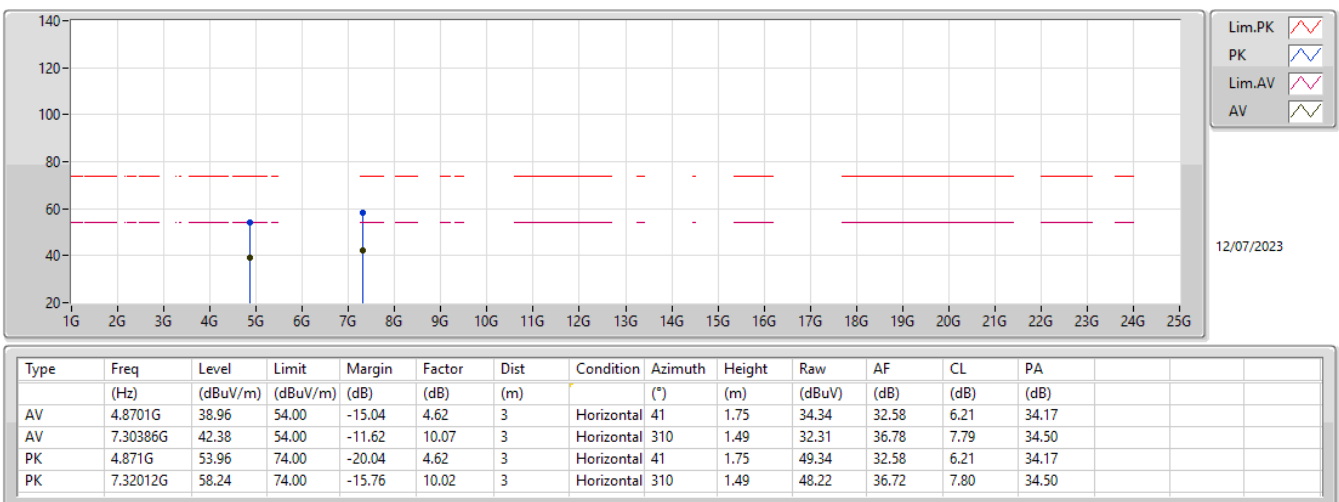
2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

2437MHz_TX



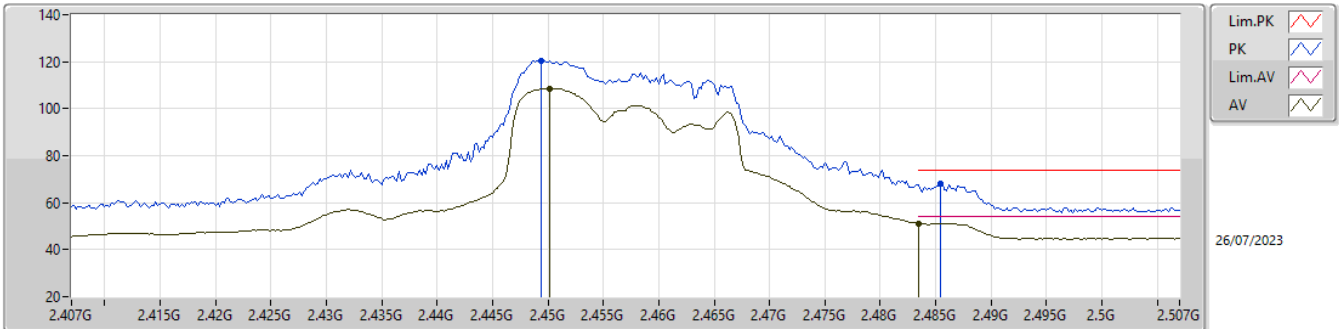
2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

2437MHz_TX



2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

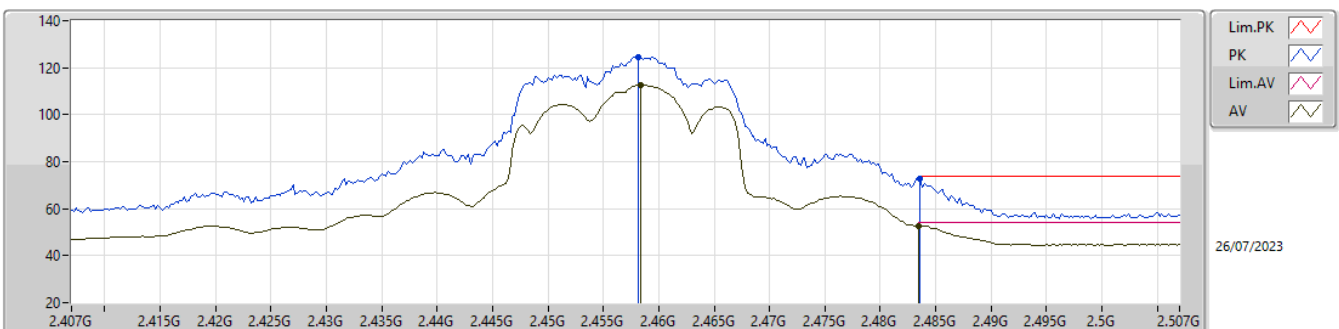
2457MHz_TX



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	2.4502G	108.70	Inf	-Inf	31.99	3	Vertical	356	1.50	76.71	27.70	4.29	-
AV	2.4835G	51.25	54.00	-2.75	32.14	3	Vertical	356	1.50	19.11	27.83	4.31	-
PK	2.4494G	120.55	Inf	-Inf	31.99	3	Vertical	356	1.50	88.56	27.70	4.29	-
PK	2.4854G	68.29	74.00	-5.71	32.15	3	Vertical	356	1.50	36.14	27.84	4.31	-

2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

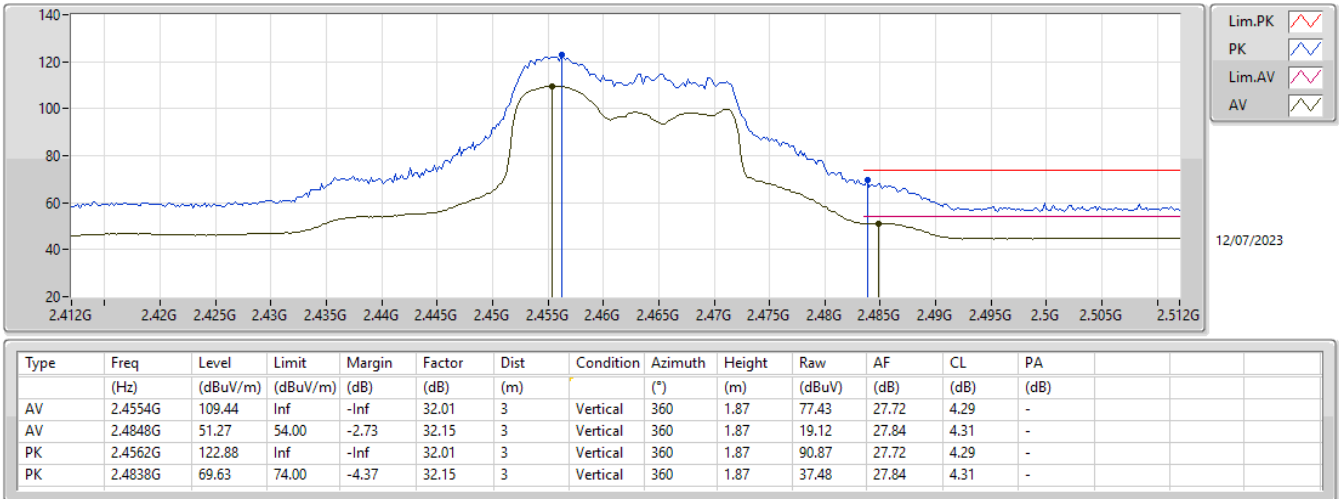
2457MHz_TX



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	112.59	Inf	-Inf	32.03	3	Horizontal	58	1.45	80.56	27.73	4.30	-
AV	2.4835G	52.76	54.00	-1.24	32.14	3	Horizontal	58	1.45	20.62	27.83	4.31	-
PK	2.4582G	124.57	Inf	-Inf	32.02	3	Horizontal	58	1.45	92.55	27.73	4.29	-
PK	2.4836G	73.01	74.00	-0.99	32.14	3	Horizontal	58	1.45	40.87	27.83	4.31	-

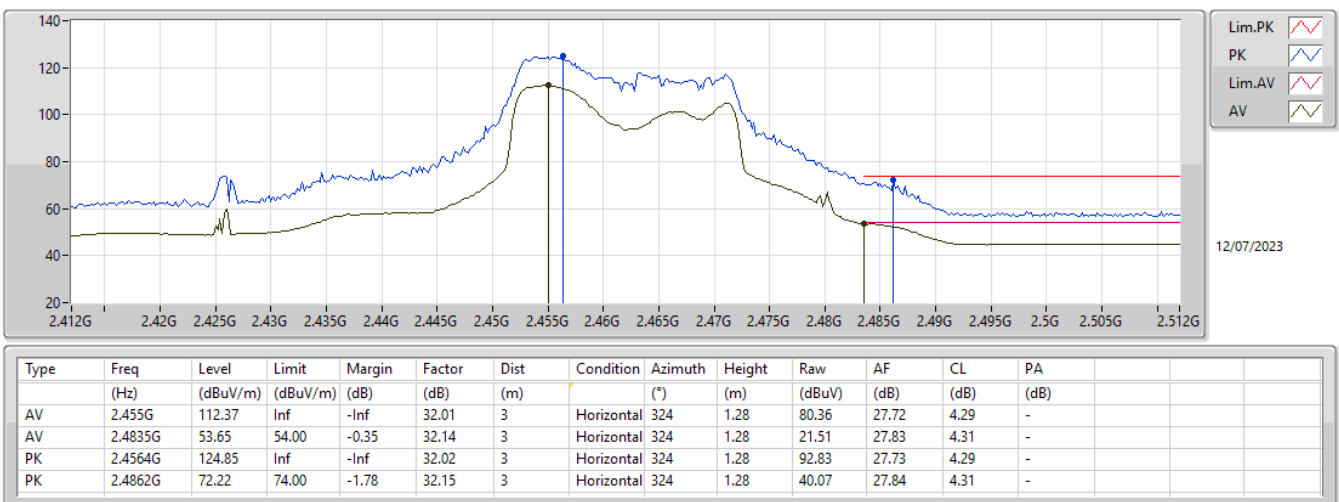
2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

2462MHz_TX



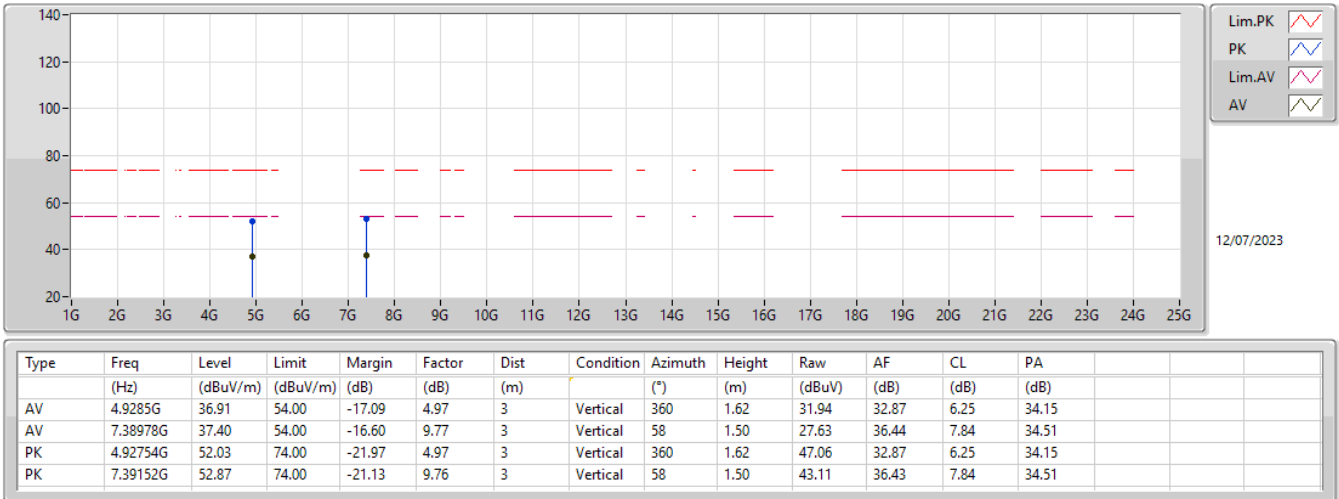
2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

2462MHz_TX



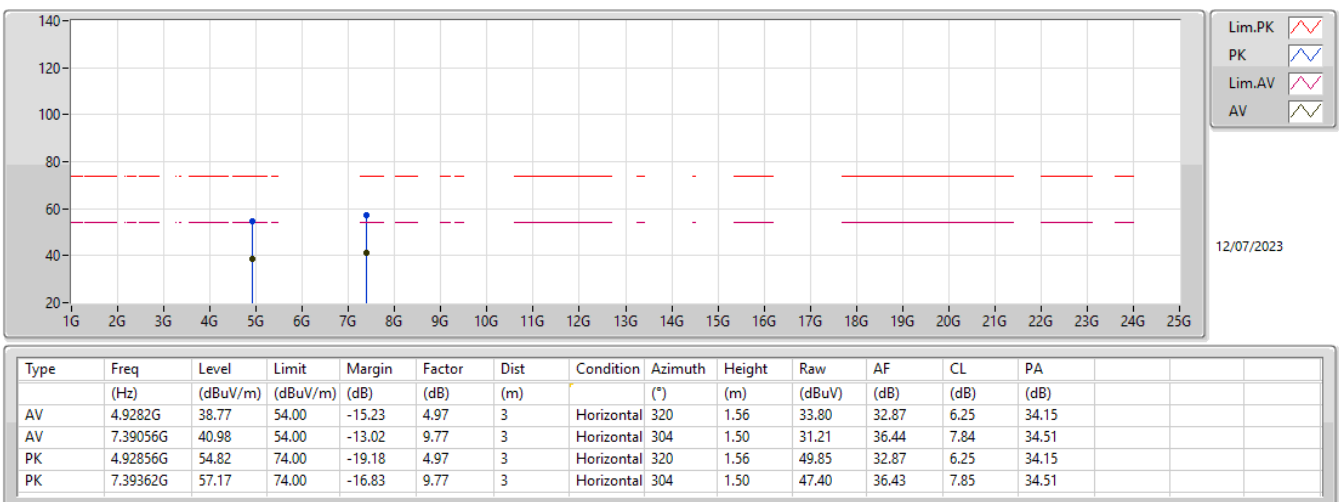
2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

2462MHz_TX



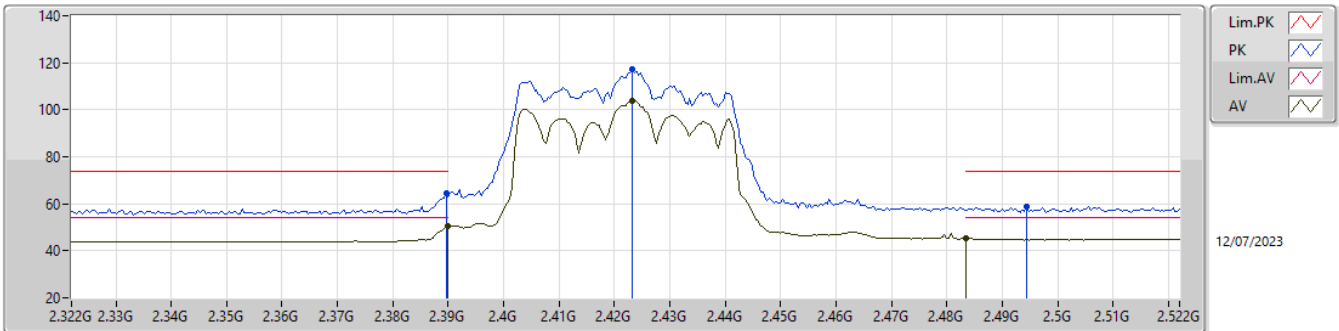
2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

2462MHz_TX



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

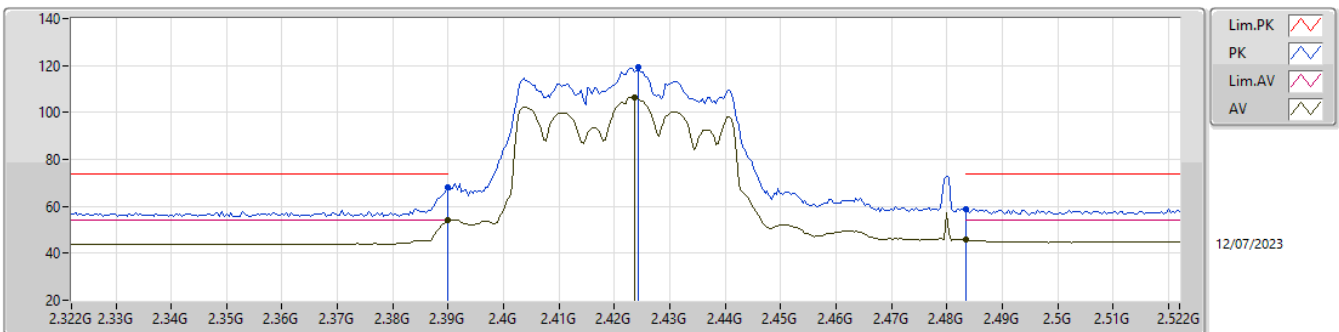
2422MHz_TX



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	50.32	54.00	-3.68	31.77	3	Vertical	7	1.16	18.55	27.52	4.25	-
AV	2.4232G	103.96	Inf	-Inf	31.92	3	Vertical	7	1.16	72.04	27.65	4.27	-
AV	2.4835G	45.16	54.00	-8.84	32.14	3	Vertical	7	1.16	13.02	27.83	4.31	-
PK	2.3896G	64.30	74.00	-9.70	31.77	3	Vertical	7	1.16	32.53	27.52	4.25	-
PK	2.4232G	117.43	Inf	-Inf	31.92	3	Vertical	7	1.16	85.51	27.65	4.27	-
PK	2.4944G	58.72	74.00	-15.28	32.20	3	Vertical	7	1.16	26.52	27.88	4.32	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

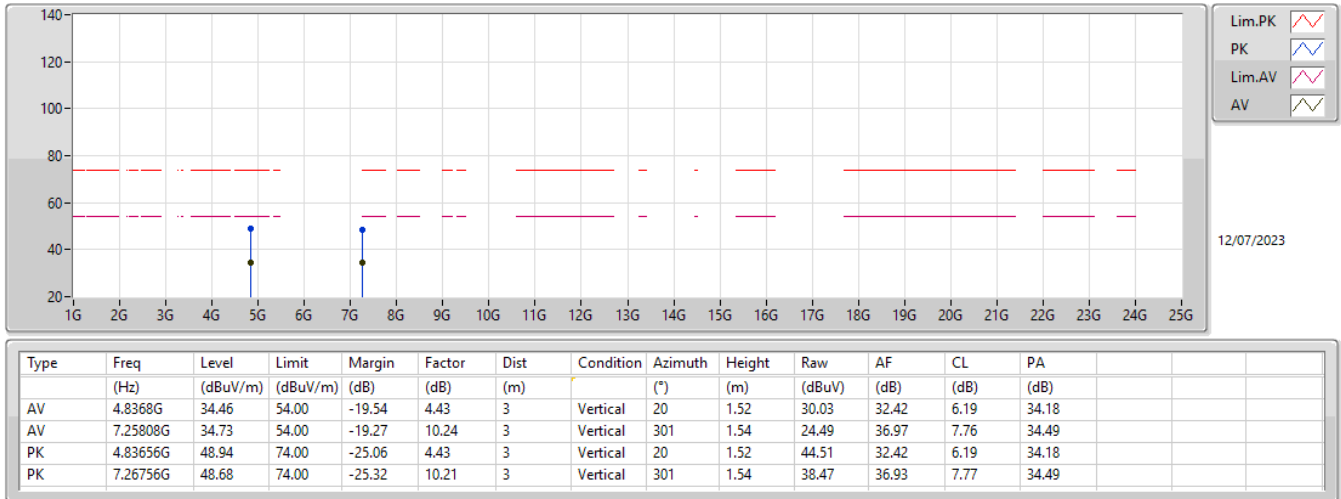
2422MHz_TX



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	53.89	54.00	-0.11	31.77	3	Horizontal	61	1.49	22.12	27.52	4.25	-
AV	2.4236G	106.62	Inf	-Inf	31.92	3	Horizontal	61	1.49	74.70	27.65	4.27	-
AV	2.4835G	45.69	54.00	-8.31	32.14	3	Horizontal	61	1.49	13.55	27.83	4.31	-
PK	2.39G	68.36	74.00	-5.64	31.77	3	Horizontal	61	1.49	36.59	27.52	4.25	-
PK	2.4244G	119.09	Inf	-Inf	31.92	3	Horizontal	61	1.49	87.17	27.65	4.27	-
PK	2.4835G	58.81	74.00	-15.19	32.14	3	Horizontal	61	1.49	26.67	27.83	4.31	-

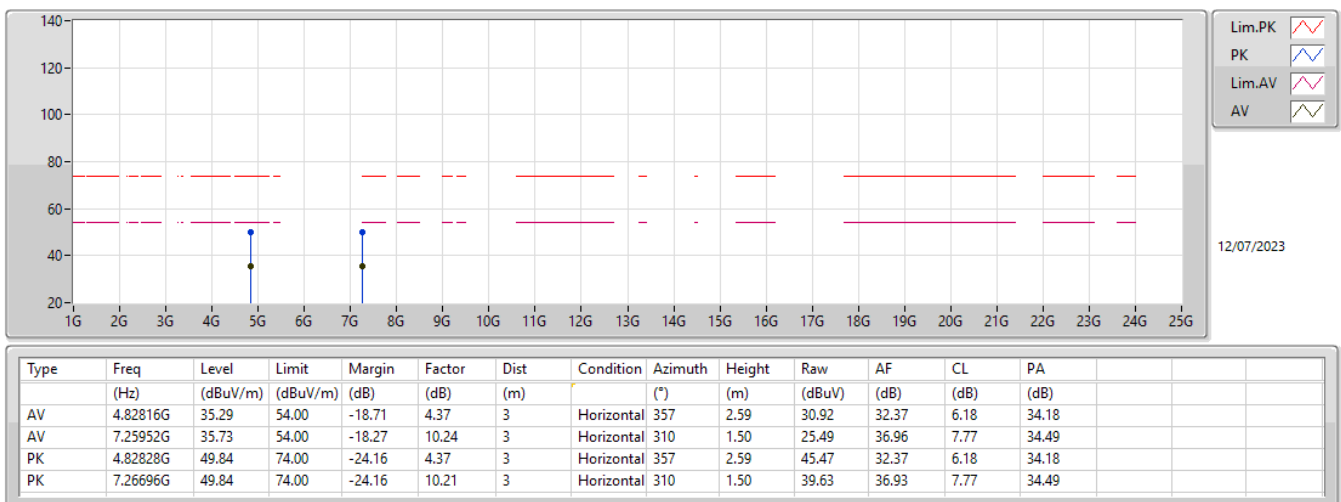
2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

2422MHz_TX



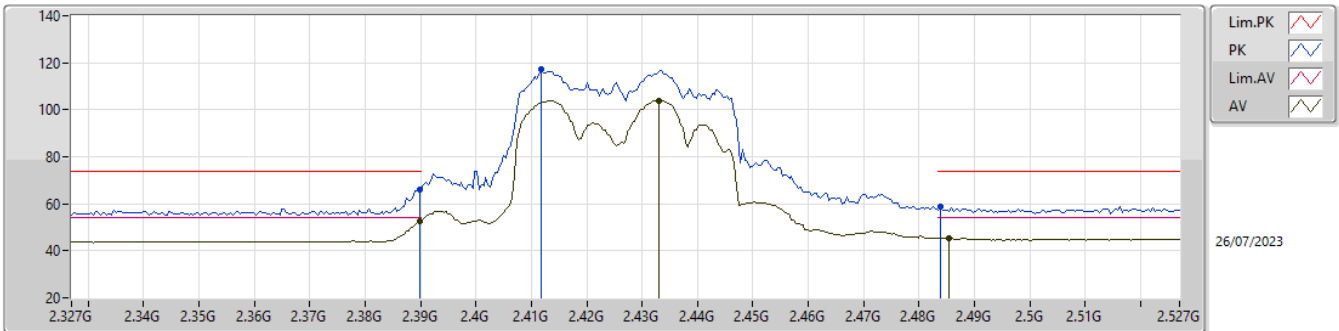
2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

2422MHz_TX



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

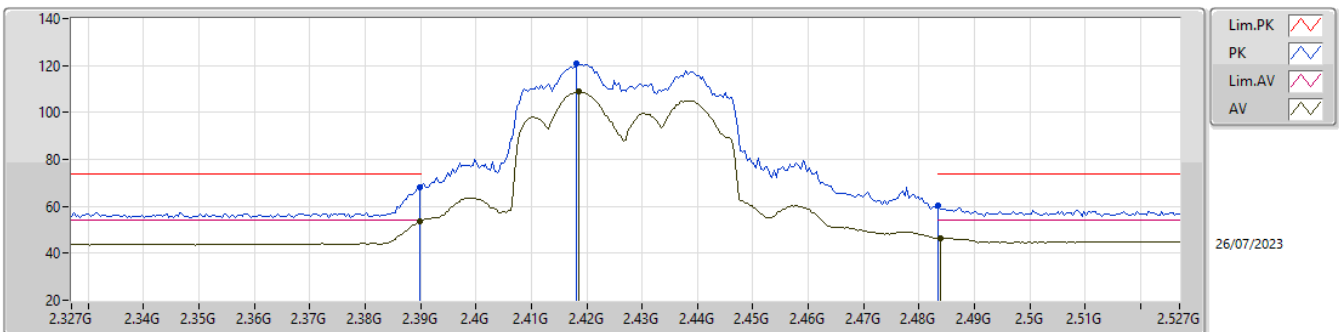
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	52.66	54.00	-1.34	31.77	3	Vertical	355	2.82	20.89	27.52	4.25	-
AV	2.433G	103.82	Inf	-Inf	31.95	3	Vertical	355	2.82	71.87	27.67	4.28	-
AV	2.4854G	45.25	54.00	-8.75	32.15	3	Vertical	355	2.82	13.10	27.84	4.31	-
PK	2.3898G	66.14	74.00	-7.86	31.77	3	Vertical	355	2.82	34.37	27.52	4.25	-
PK	2.4118G	117.15	Inf	-Inf	31.89	3	Vertical	355	2.82	85.26	27.62	4.27	-
PK	2.4838G	58.68	74.00	-15.32	32.15	3	Vertical	355	2.82	26.53	27.84	4.31	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

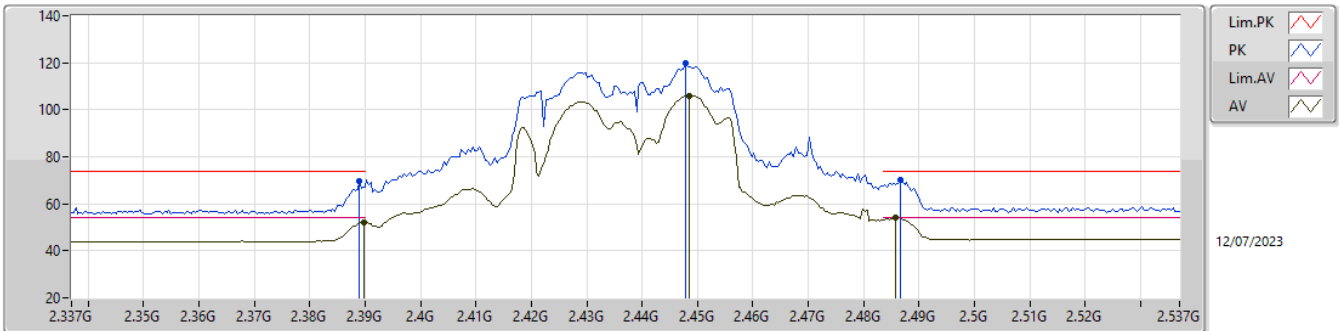
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	53.44	54.00	-0.56	31.77	3	Horizontal	313	1.06	21.67	27.52	4.25	-
AV	2.4186G	108.72	Inf	-Inf	31.91	3	Horizontal	313	1.06	76.81	27.64	4.27	-
AV	2.4838G	46.55	54.00	-7.45	32.15	3	Horizontal	313	1.06	14.40	27.84	4.31	-
PK	2.3898G	68.08	74.00	-5.92	31.77	3	Horizontal	313	1.06	36.31	27.52	4.25	-
PK	2.4182G	120.67	Inf	-Inf	31.91	3	Horizontal	313	1.06	88.76	27.64	4.27	-
PK	2.4835G	60.12	74.00	-13.88	32.14	3	Horizontal	313	1.06	27.98	27.83	4.31	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

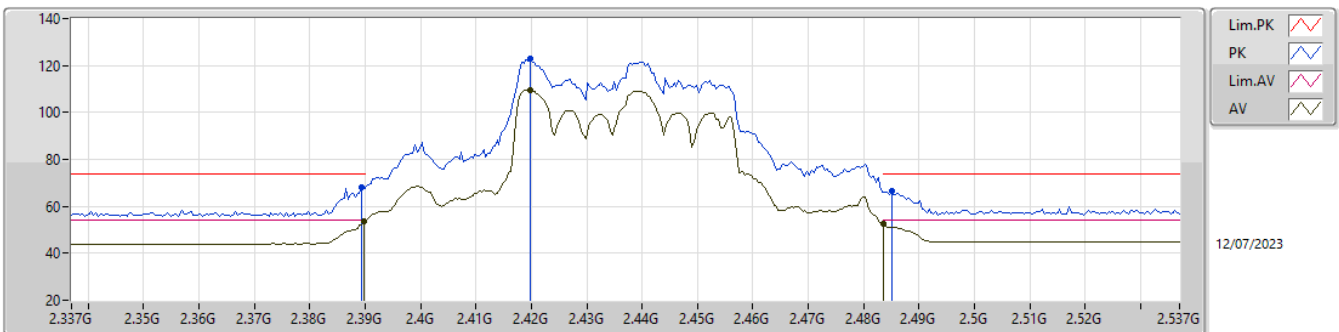
2437MHz_TX



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	52.15	54.00	-1.85	31.77	3	Vertical	345	1.11	20.38	27.52	4.25	-
AV	2.4486G	106.08	Inf	-Inf	31.99	3	Vertical	345	1.11	74.09	27.70	4.29	-
AV	2.4858G	53.92	54.00	-0.08	32.15	3	Vertical	345	1.11	21.77	27.84	4.31	-
PK	2.389G	69.58	74.00	-4.42	31.76	3	Vertical	345	1.11	37.82	27.51	4.25	-
PK	2.4478G	119.89	Inf	-Inf	31.99	3	Vertical	345	1.11	87.90	27.70	4.29	-
PK	2.4866G	70.22	74.00	-3.78	32.16	3	Vertical	345	1.11	38.06	27.85	4.31	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

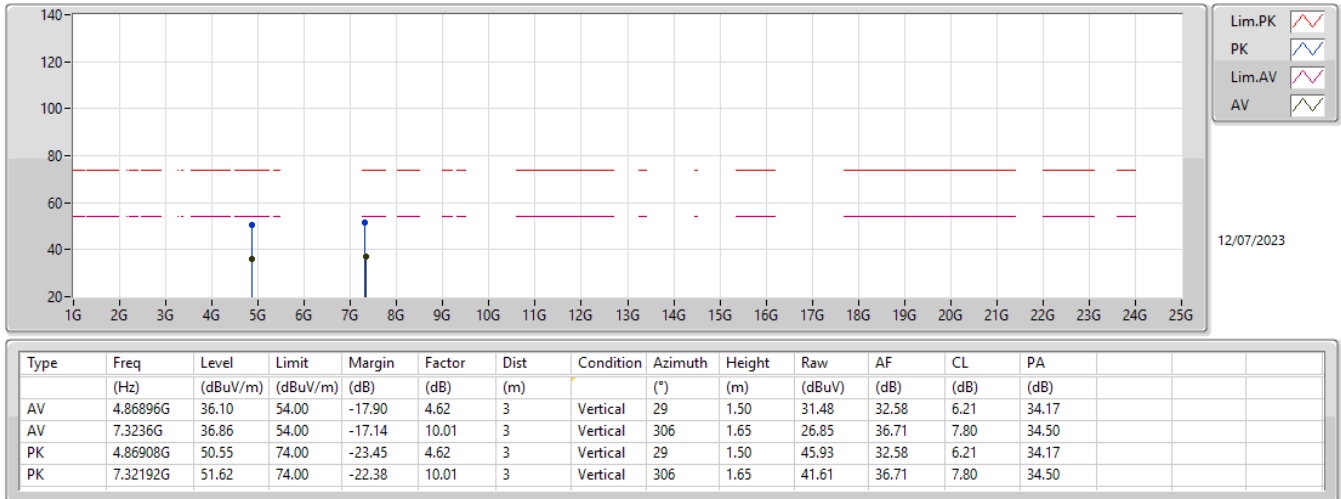
2437MHz_TX



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	53.51	54.00	-0.49	31.77	3	Horizontal	62	2.09	21.74	27.52	4.25	-
AV	2.4198G	109.62	Inf	-Inf	31.91	3	Horizontal	62	2.09	77.71	27.64	4.27	-
AV	2.4835G	52.50	54.00	-1.50	32.14	3	Horizontal	62	2.09	20.36	27.83	4.31	-
PK	2.3894G	68.09	74.00	-5.91	31.77	3	Horizontal	62	2.09	36.32	27.52	4.25	-
PK	2.4198G	122.69	Inf	-Inf	31.91	3	Horizontal	62	2.09	90.78	27.64	4.27	-
PK	2.485G	66.44	74.00	-7.56	32.15	3	Horizontal	62	2.09	34.29	27.84	4.31	-

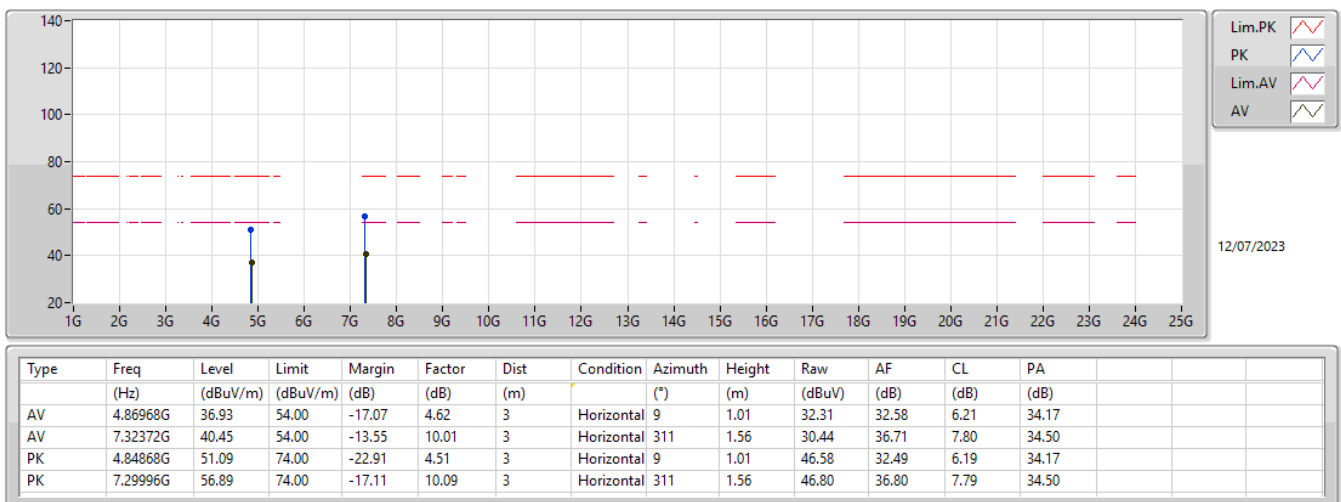
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2437MHz_TX



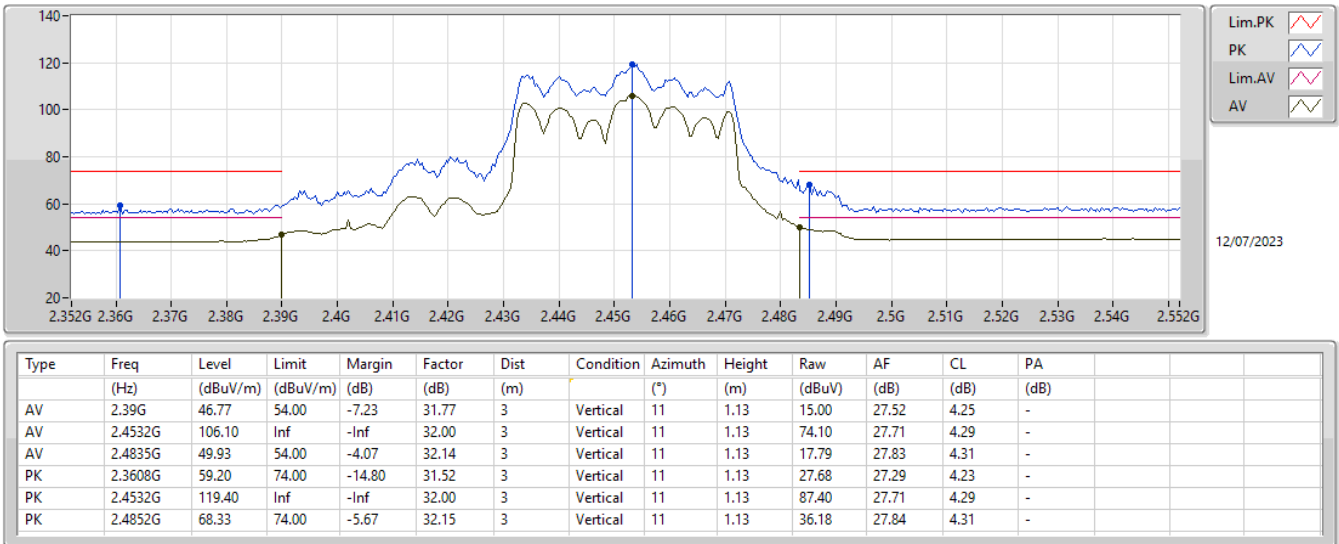
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2437MHz_TX



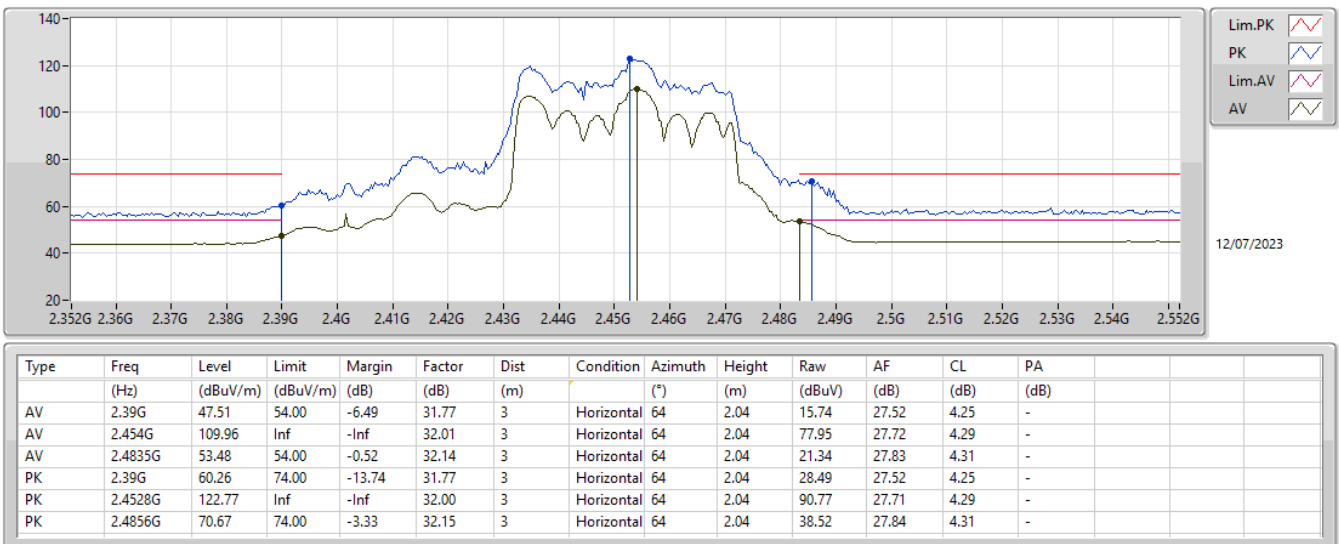
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2452MHz_TX



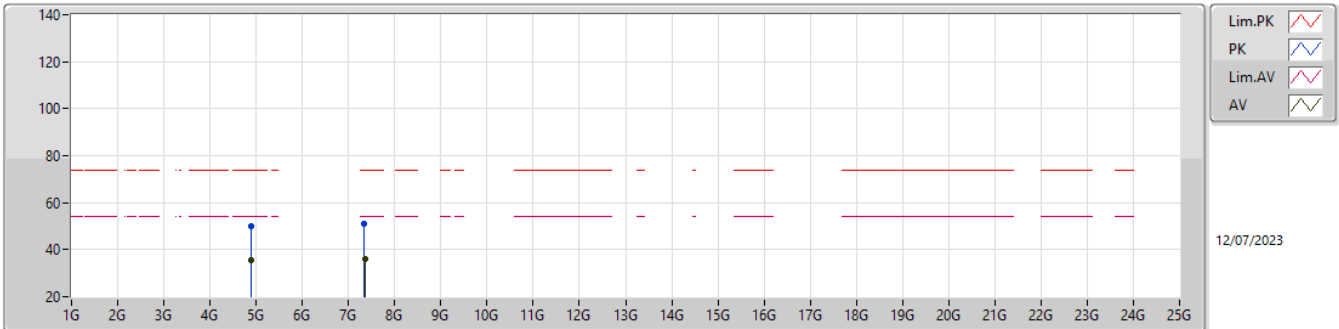
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2452MHz_TX



2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

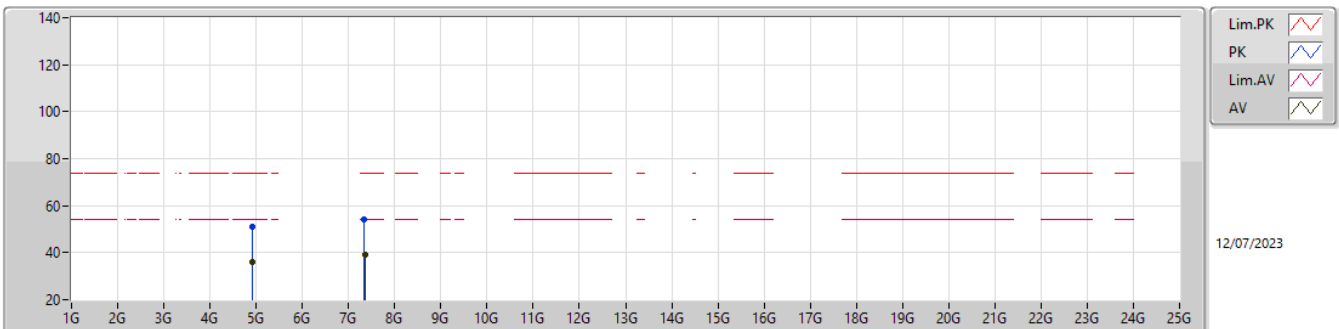
2452MHz_TX



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	4.89812G	35.60	54.00	-18.40	4.76	3	Vertical	20	1.55	30.84	32.69	6.23	34.16
AV	7.36404G	36.18	54.00	-17.82	9.87	3	Vertical	43	2.42	26.31	36.54	7.83	34.50
PK	4.89692G	50.05	74.00	-23.95	4.76	3	Vertical	20	1.55	45.29	32.69	6.23	34.16
PK	7.34592G	50.99	74.00	-23.01	9.94	3	Vertical	43	2.42	41.05	36.62	7.82	34.50

2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

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	4.90664G	35.83	54.00	-18.17	4.82	3	Horizontal	351	2.20	31.01	32.74	6.23	34.15
AV	7.35036G	39.04	54.00	-14.96	9.92	3	Horizontal	307	1.50	29.12	36.60	7.82	34.50
PK	4.90748G	50.80	74.00	-23.20	4.83	3	Horizontal	351	2.20	45.97	32.74	6.24	34.15
PK	7.347G	54.38	74.00	-19.62	9.93	3	Horizontal	307	1.50	44.45	36.61	7.82	34.50

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	7.31775G	62.50	74.00	-11.50	Vertical
Mode 2	Pass	AV	11.49215G	40.99	54.00	-13.01	Horizontal
Mode 3	Pass	AV	7.2905G	42.17	54.00	-11.83	Horizontal
Mode 4	Pass	AV	11.49282G	41.85	54.00	-12.15	Horizontal
Mode 5	Pass	AV	11.4933G	42.02	54.00	-11.98	Horizontal
Mode 6	Pass	AV	7.2617G	44.30	54.00	-9.70	Horizontal

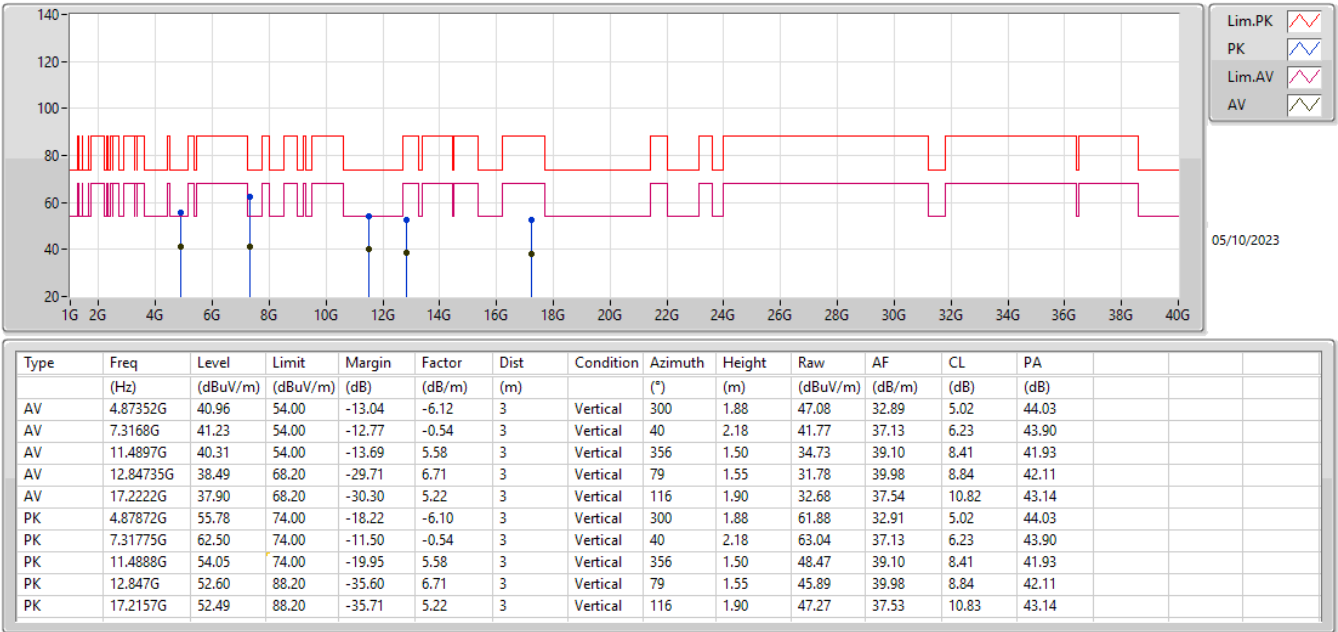
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	4.87352G	40.96	54.00	-13.04	3	Vertical	300	1.88
Mode 1	Pass	AV	7.3168G	41.23	54.00	-12.77	3	Vertical	40	2.18
Mode 1	Pass	AV	11.4897G	40.31	54.00	-13.69	3	Vertical	356	1.50
Mode 1	Pass	AV	12.84735G	38.49	68.20	-29.71	3	Vertical	79	1.55
Mode 1	Pass	AV	17.2222G	37.90	68.20	-30.30	3	Vertical	116	1.90
Mode 1	Pass	PK	4.87872G	55.78	74.00	-18.22	3	Vertical	300	1.88
Mode 1	Pass	PK	7.31775G	62.50	74.00	-11.50	3	Vertical	40	2.18
Mode 1	Pass	PK	11.4888G	54.05	74.00	-19.95	3	Vertical	356	1.50
Mode 1	Pass	PK	12.847G	52.60	88.20	-35.60	3	Vertical	79	1.55
Mode 1	Pass	PK	17.2157G	52.49	88.20	-35.71	3	Vertical	116	1.90
Mode 1	Pass	AV	4.87904G	41.85	54.00	-12.15	3	Horizontal	312	1.96
Mode 1	Pass	AV	7.31739G	41.66	54.00	-12.34	3	Horizontal	287	1.79
Mode 1	Pass	AV	11.49275G	41.20	54.00	-12.80	3	Horizontal	317	1.56
Mode 1	Pass	AV	12.8502G	38.48	68.20	-29.72	3	Horizontal	279	1.60
Mode 1	Pass	AV	17.2308G	37.85	68.20	-30.35	3	Horizontal	310	1.70
Mode 1	Pass	PK	4.87844G	56.96	74.00	-17.04	3	Horizontal	312	1.96
Mode 1	Pass	PK	7.31779G	61.73	74.00	-12.27	3	Horizontal	287	1.79
Mode 1	Pass	PK	11.4927G	54.63	74.00	-19.37	3	Horizontal	317	1.56
Mode 1	Pass	PK	12.82535G	52.24	88.20	-35.96	3	Horizontal	279	1.60
Mode 1	Pass	PK	17.22765G	52.68	88.20	-35.52	3	Horizontal	310	1.70
Mode 2	Pass	AV	4.8721G	39.46	54.00	-14.54	3	Vertical	50	1.54
Mode 2	Pass	AV	7.31215G	35.38	54.00	-18.62	3	Vertical	10	1.50
Mode 2	Pass	AV	11.49025G	39.28	54.00	-14.72	3	Vertical	355	1.55
Mode 2	Pass	AV	11.55295G	37.44	54.00	-16.56	3	Vertical	347	1.62
Mode 2	Pass	AV	12.852G	38.40	68.20	-29.80	3	Vertical	38	1.49
Mode 2	Pass	AV	17.25505G	37.80	68.20	-30.40	3	Vertical	330	2.33
Mode 2	Pass	AV	17.33495G	37.91	68.20	-30.29	3	Vertical	127	1.73
Mode 2	Pass	PK	4.87365G	55.11	74.00	-18.89	3	Vertical	50	1.54
Mode 2	Pass	PK	7.31085G	51.68	74.00	-22.32	3	Vertical	10	1.50
Mode 2	Pass	PK	11.4903G	52.31	74.00	-21.69	3	Vertical	355	1.55
Mode 2	Pass	PK	11.56455G	51.84	74.00	-22.16	3	Vertical	347	1.62
Mode 2	Pass	PK	12.8484G	51.95	88.20	-36.25	3	Vertical	38	1.49
Mode 2	Pass	PK	17.2339G	51.69	88.20	-36.51	3	Vertical	330	2.33
Mode 2	Pass	PK	17.3782G	51.51	88.20	-36.69	3	Vertical	127	1.73
Mode 2	Pass	AV	4.88065G	38.54	54.00	-15.46	3	Horizontal	210	1.66
Mode 2	Pass	AV	7.31185G	35.34	54.00	-18.66	3	Horizontal	323	1.46
Mode 2	Pass	AV	11.49215G	40.99	54.00	-13.01	3	Horizontal	319	1.38
Mode 2	Pass	AV	11.5668G	37.51	54.00	-16.49	3	Horizontal	258	1.45
Mode 2	Pass	AV	12.8622G	38.48	68.20	-29.72	3	Horizontal	90	1.96
Mode 2	Pass	AV	17.2191G	37.82	68.20	-30.38	3	Horizontal	214	2.06
Mode 2	Pass	AV	17.36615G	38.01	68.20	-30.19	3	Horizontal	190	2.35
Mode 2	Pass	PK	4.87985G	55.26	74.00	-18.74	3	Horizontal	210	1.66
Mode 2	Pass	PK	7.3164G	50.51	74.00	-23.49	3	Horizontal	323	1.46
Mode 2	Pass	PK	11.49305G	54.80	74.00	-19.20	3	Horizontal	319	1.38
Mode 2	Pass	PK	11.5816G	51.90	74.00	-22.10	3	Horizontal	258	1.45
Mode 2	Pass	PK	12.86215G	52.88	88.20	-35.32	3	Horizontal	90	1.96
Mode 2	Pass	PK	17.2278G	51.04	88.20	-37.16	3	Horizontal	214	2.06
Mode 2	Pass	PK	17.35605G	51.23	88.20	-36.97	3	Horizontal	190	2.35
Mode 3	Pass	AV	4.8719G	38.76	54.00	-15.24	3	Vertical	54	2.21
Mode 3	Pass	AV	7.28625G	41.30	54.00	-12.70	3	Vertical	105	1.87

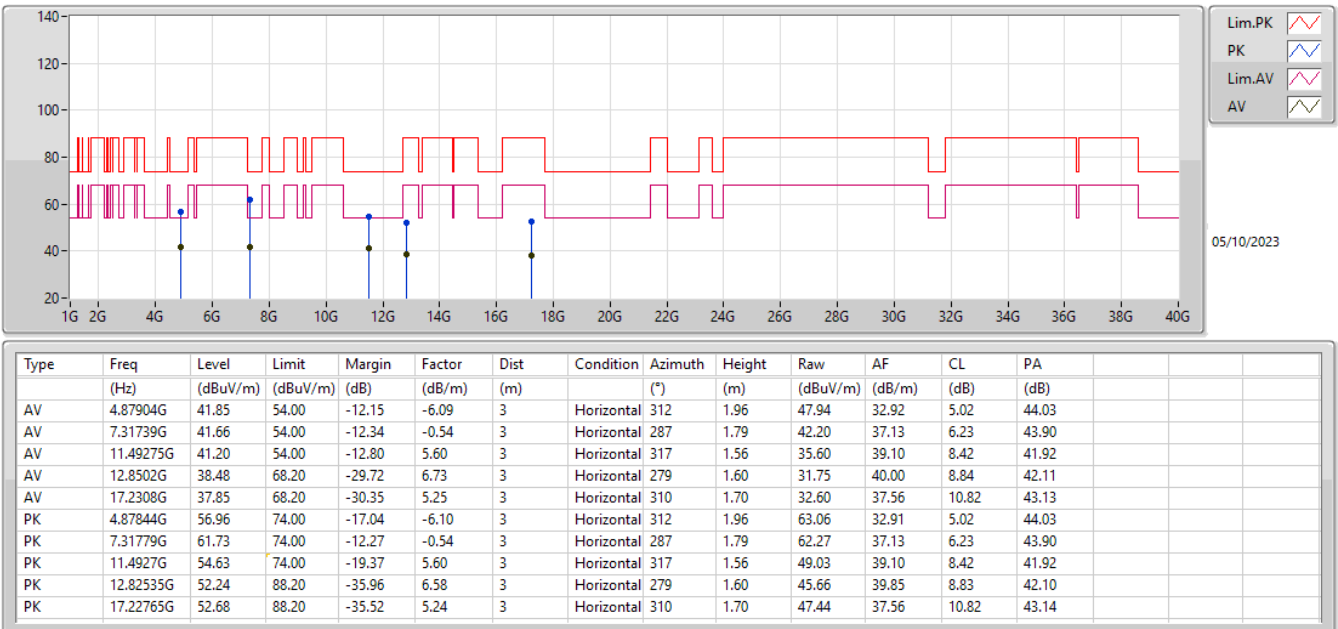
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 3	Pass	AV	11.4911G	38.24	54.00	-15.76	3	Vertical	78	2.93
Mode 3	Pass	AV	12.84476G	38.59	68.20	-29.61	3	Vertical	280	2.30
Mode 3	Pass	AV	13.00708G	38.35	68.20	-29.85	3	Vertical	8	1.92
Mode 3	Pass	AV	17.22982G	37.95	68.20	-30.25	3	Vertical	352	1.36
Mode 3	Pass	PK	4.8714G	53.59	74.00	-20.41	3	Vertical	54	2.21
Mode 3	Pass	PK	7.28615G	56.62	74.00	-17.38	3	Vertical	105	1.87
Mode 3	Pass	PK	11.48012G	51.68	74.00	-22.32	3	Vertical	78	2.93
Mode 3	Pass	PK	12.84398G	52.17	88.20	-36.03	3	Vertical	280	2.30
Mode 3	Pass	PK	13.00846G	52.09	88.20	-36.11	3	Vertical	8	1.92
Mode 3	Pass	PK	17.22676G	51.77	88.20	-36.43	3	Vertical	352	1.36
Mode 3	Pass	AV	4.8849G	38.68	54.00	-15.32	3	Horizontal	102	1.37
Mode 3	Pass	AV	7.2905G	42.17	54.00	-11.83	3	Horizontal	95	1.77
Mode 3	Pass	AV	11.4935G	41.48	54.00	-12.52	3	Horizontal	318	1.49
Mode 3	Pass	AV	12.8438G	38.59	68.20	-29.61	3	Horizontal	335	2.67
Mode 3	Pass	AV	13.01068G	38.38	68.20	-29.82	3	Horizontal	140	1.01
Mode 3	Pass	AV	17.2333G	37.80	68.20	-30.40	3	Horizontal	222	2.84
Mode 3	Pass	PK	4.88475G	54.97	74.00	-19.03	3	Horizontal	102	1.37
Mode 3	Pass	PK	7.29115G	56.98	74.00	-17.02	3	Horizontal	95	1.77
Mode 3	Pass	PK	11.49256G	55.57	74.00	-18.43	3	Horizontal	318	1.49
Mode 3	Pass	PK	12.85988G	51.90	88.20	-36.30	3	Horizontal	335	2.67
Mode 3	Pass	PK	13.0169G	51.73	88.20	-36.47	3	Horizontal	140	1.01
Mode 3	Pass	PK	17.23728G	51.15	88.20	-37.05	3	Horizontal	222	2.84
Mode 4	Pass	AV	4.87744G	28.82	54.00	-25.18	3	Vertical	351	1.73
Mode 4	Pass	AV	7.30016G	35.52	54.00	-18.48	3	Vertical	70	2.58
Mode 4	Pass	AV	11.4906G	38.93	54.00	-15.07	3	Vertical	341	1.72
Mode 4	Pass	AV	12.84988G	38.92	68.20	-29.28	3	Vertical	229	1.15
Mode 4	Pass	AV	17.23075G	38.08	68.20	-30.12	3	Vertical	187	2.39
Mode 4	Pass	PK	4.87464G	42.62	74.00	-31.38	3	Vertical	351	1.73
Mode 4	Pass	PK	7.29828G	50.02	74.00	-23.98	3	Vertical	70	2.58
Mode 4	Pass	PK	11.4915G	52.17	74.00	-21.83	3	Vertical	341	1.72
Mode 4	Pass	PK	12.85026G	52.27	88.20	-35.93	3	Vertical	229	1.15
Mode 4	Pass	PK	17.23109G	52.14	88.20	-36.06	3	Vertical	187	2.39
Mode 4	Pass	AV	4.86456G	29.19	54.00	-24.81	3	Horizontal	352	1.34
Mode 4	Pass	AV	7.31308G	33.76	54.00	-20.24	3	Horizontal	349	1.33
Mode 4	Pass	AV	11.49282G	41.85	54.00	-12.15	3	Horizontal	319	1.50
Mode 4	Pass	AV	12.8504G	38.95	68.20	-29.25	3	Horizontal	144	2.75
Mode 4	Pass	AV	17.23334G	38.12	68.20	-30.08	3	Horizontal	296	1.19
Mode 4	Pass	PK	4.86556G	42.50	74.00	-31.50	3	Horizontal	352	1.34
Mode 4	Pass	PK	7.2964G	47.95	74.00	-26.05	3	Horizontal	349	1.33
Mode 4	Pass	PK	11.49168G	55.50	74.00	-18.50	3	Horizontal	319	1.50
Mode 4	Pass	PK	12.84591G	52.37	88.20	-35.83	3	Horizontal	144	2.75
Mode 4	Pass	PK	17.23286G	51.73	88.20	-36.47	3	Horizontal	296	1.19
Mode 5	Pass	AV	4.87215G	39.73	54.00	-14.27	3	Vertical	302	1.68
Mode 5	Pass	AV	7.3089G	34.62	54.00	-19.38	3	Vertical	35	1.69
Mode 5	Pass	AV	11.49195G	39.94	54.00	-14.06	3	Vertical	353	2.82
Mode 5	Pass	AV	11.56683G	37.89	54.00	-16.11	3	Vertical	43	1.16
Mode 5	Pass	AV	12.84889G	38.94	68.20	-29.26	3	Vertical	264	2.63
Mode 5	Pass	AV	17.23091G	38.11	68.20	-30.09	3	Vertical	246	1.04
Mode 5	Pass	AV	17.35831G	38.27	68.20	-29.93	3	Vertical	243	2.01
Mode 5	Pass	PK	4.87155G	55.32	74.00	-18.68	3	Vertical	302	1.68

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 5	Pass	PK	7.3108G	49.20	74.00	-24.80	3	Vertical	35	1.69
Mode 5	Pass	PK	11.49235G	53.74	74.00	-20.26	3	Vertical	353	2.82
Mode 5	Pass	PK	11.57219G	51.50	74.00	-22.50	3	Vertical	43	1.16
Mode 5	Pass	PK	12.85132G	53.01	88.20	-35.19	3	Vertical	264	2.63
Mode 5	Pass	PK	17.23232G	52.27	88.20	-35.93	3	Vertical	246	1.04
Mode 5	Pass	PK	17.35132G	51.58	88.20	-36.62	3	Vertical	243	2.01
Mode 5	Pass	AV	4.88485G	38.35	54.00	-15.65	3	Horizontal	351	1.36
Mode 5	Pass	AV	7.3078G	34.37	54.00	-19.63	3	Horizontal	320	1.45
Mode 5	Pass	AV	11.4933G	42.02	54.00	-11.98	3	Horizontal	318	1.47
Mode 5	Pass	AV	11.56546G	37.83	54.00	-16.17	3	Horizontal	293	1.50
Mode 5	Pass	AV	12.84773G	38.96	68.20	-29.24	3	Horizontal	111	1.86
Mode 5	Pass	AV	17.23301G	38.11	68.20	-30.09	3	Horizontal	358	2.08
Mode 5	Pass	AV	17.35942G	38.21	68.20	-29.99	3	Horizontal	168	1.78
Mode 5	Pass	PK	4.88545G	54.42	74.00	-19.58	3	Horizontal	351	1.36
Mode 5	Pass	PK	7.3066G	48.34	74.00	-25.66	3	Horizontal	320	1.45
Mode 5	Pass	PK	11.49285G	56.27	74.00	-17.73	3	Horizontal	318	1.47
Mode 5	Pass	PK	11.57103G	53.95	74.00	-20.05	3	Horizontal	293	1.50
Mode 5	Pass	PK	12.84769G	52.59	88.20	-35.61	3	Horizontal	111	1.86
Mode 5	Pass	PK	17.23907G	52.21	88.20	-35.99	3	Horizontal	358	2.08
Mode 5	Pass	PK	17.35383G	52.26	88.20	-35.94	3	Horizontal	168	1.78
Mode 6	Pass	AV	4.87215G	39.40	54.00	-14.60	3	Vertical	305	1.60
Mode 6	Pass	AV	7.2639G	42.34	54.00	-11.66	3	Vertical	40	1.70
Mode 6	Pass	AV	11.4897G	39.02	54.00	-14.98	3	Vertical	357	1.50
Mode 6	Pass	AV	12.85618G	38.58	68.20	-29.62	3	Vertical	269	2.24
Mode 6	Pass	AV	13.0096G	38.40	68.20	-29.80	3	Vertical	178	1.80
Mode 6	Pass	AV	17.2324G	37.76	68.20	-30.44	3	Vertical	160	1.45
Mode 6	Pass	PK	4.874G	54.73	74.00	-19.27	3	Vertical	305	1.60
Mode 6	Pass	PK	7.2992G	56.50	74.00	-17.50	3	Vertical	40	1.70
Mode 6	Pass	PK	11.48988G	53.31	74.00	-20.69	3	Vertical	357	1.50
Mode 6	Pass	PK	12.84412G	53.48	88.20	-34.72	3	Vertical	269	2.24
Mode 6	Pass	PK	13.00796G	51.97	88.20	-36.23	3	Vertical	178	1.80
Mode 6	Pass	PK	17.23426G	51.30	88.20	-36.90	3	Vertical	160	1.45
Mode 6	Pass	AV	4.87695G	38.68	54.00	-15.32	3	Horizontal	46	1.03
Mode 6	Pass	AV	7.2617G	44.30	54.00	-9.70	3	Horizontal	296	2.32
Mode 6	Pass	AV	11.49263G	41.42	54.00	-12.58	3	Horizontal	317	1.39
Mode 6	Pass	AV	12.84682G	38.67	68.20	-29.53	3	Horizontal	206	1.87
Mode 6	Pass	AV	13.00932G	38.43	68.20	-29.77	3	Horizontal	43	1.50
Mode 6	Pass	AV	17.23892G	37.75	68.20	-30.45	3	Horizontal	15	1.25
Mode 6	Pass	PK	4.87665G	53.06	74.00	-20.94	3	Horizontal	46	1.03
Mode 6	Pass	PK	7.276G	59.08	74.00	-14.92	3	Horizontal	296	2.32
Mode 6	Pass	PK	11.49298G	55.10	74.00	-18.90	3	Horizontal	317	1.39
Mode 6	Pass	PK	12.84592G	51.94	88.20	-36.26	3	Horizontal	206	1.87
Mode 6	Pass	PK	13.00828G	51.92	88.20	-36.28	3	Horizontal	43	1.50
Mode 6	Pass	PK	17.23592G	51.46	88.20	-36.74	3	Horizontal	15	1.25

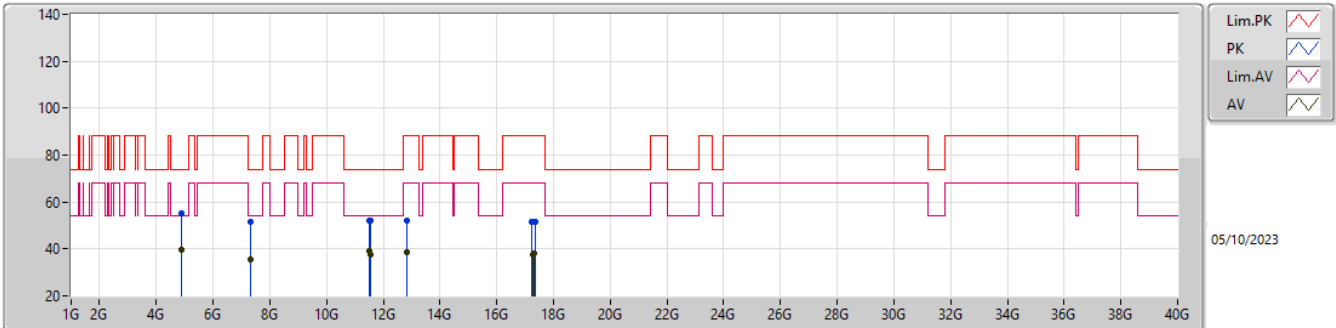
Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1

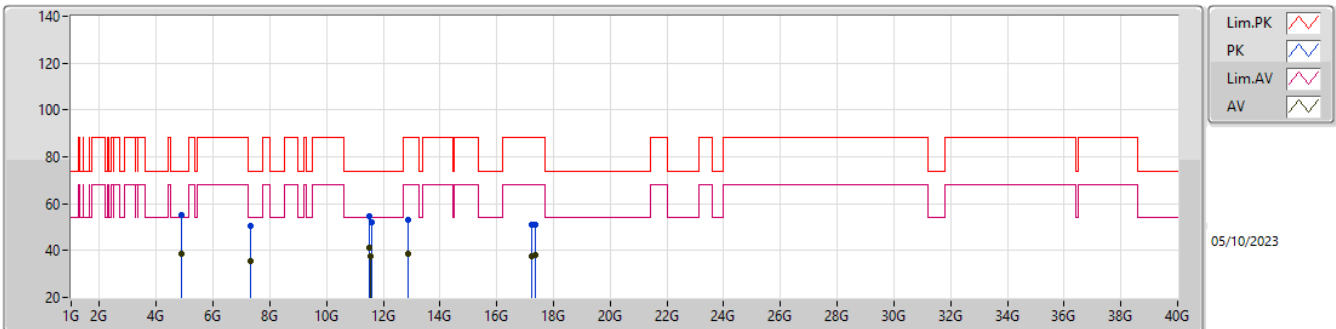


Radiated Emissions above 1GHz_Mode 2



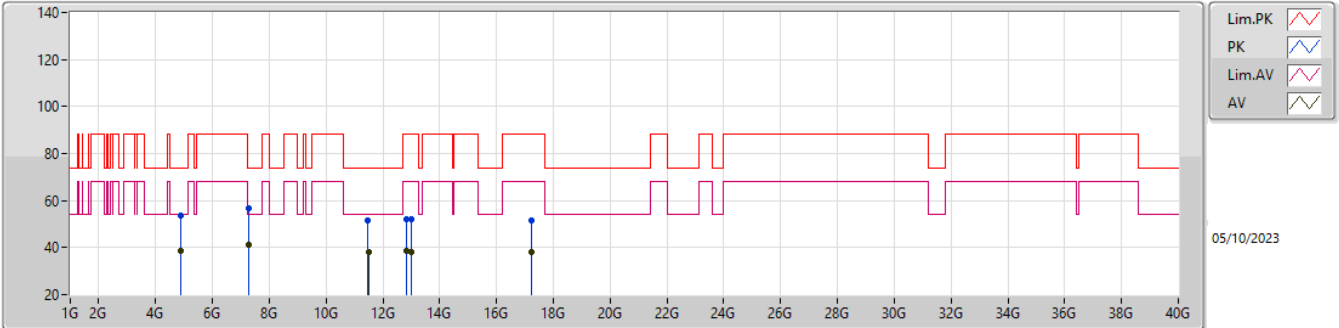
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.8721G	39.46	54.00	-14.54	-6.12	3	Vertical	50	1.54	45.58	32.89	5.02	44.03
AV	7.31215G	35.38	54.00	-18.62	-0.53	3	Vertical	10	1.50	35.91	37.15	6.22	43.90
AV	11.49025G	39.28	54.00	-14.72	5.58	3	Vertical	355	1.55	33.70	39.10	8.41	41.93
AV	11.55295G	37.44	54.00	-16.56	5.57	3	Vertical	347	1.62	31.87	39.08	8.43	41.94
AV	12.852G	38.40	68.20	-29.80	6.73	3	Vertical	38	1.49	31.67	40.00	8.84	42.11
AV	17.25505G	37.80	68.20	-30.40	5.29	3	Vertical	330	2.33	32.51	37.61	10.81	43.13
AV	17.33495G	37.91	68.20	-30.29	5.37	3	Vertical	127	1.73	32.54	37.70	10.78	43.11
PK	4.87365G	55.11	74.00	-18.89	-6.12	3	Vertical	50	1.54	61.23	32.89	5.02	44.03
PK	7.31085G	51.68	74.00	-22.32	-0.52	3	Vertical	10	1.50	52.20	37.16	6.22	43.90
PK	11.4903G	52.31	74.00	-21.69	5.58	3	Vertical	355	1.55	46.73	39.10	8.41	41.93
PK	11.56455G	51.84	74.00	-22.16	5.50	3	Vertical	347	1.62	46.34	39.01	8.44	41.95
PK	12.8484G	51.95	88.20	-36.25	6.72	3	Vertical	38	1.49	45.23	39.99	8.84	42.11
PK	17.2339G	51.69	88.20	-36.51	5.26	3	Vertical	330	2.33	46.43	37.57	10.82	43.13
PK	17.3782G	51.51	88.20	-36.69	5.42	3	Vertical	127	1.73	46.09	37.76	10.76	43.10

Radiated Emissions above 1GHz_Mode 2



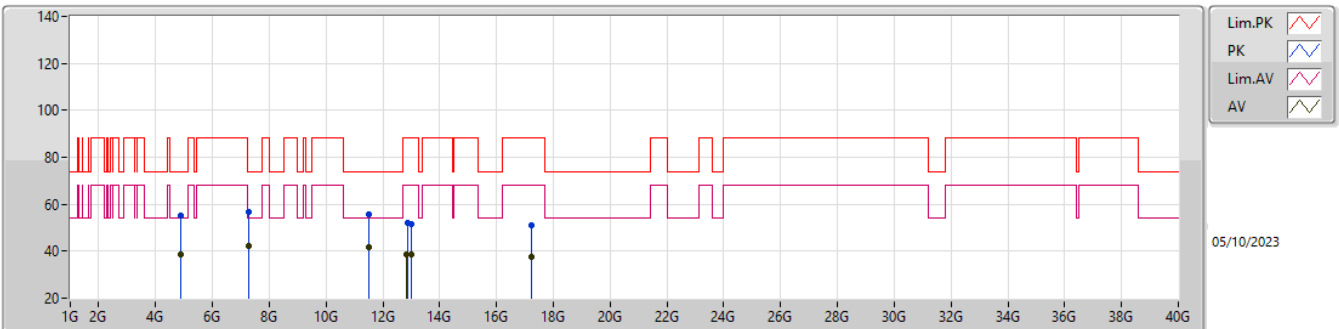
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.88065G	38.54	54.00	-15.46	-6.09	3	Horizontal	210	1.66	44.63	32.92	5.02	44.03
AV	7.31185G	35.34	54.00	-18.66	-0.53	3	Horizontal	323	1.46	35.87	37.15	6.22	43.90
AV	11.49215G	40.99	54.00	-13.01	5.60	3	Horizontal	319	1.38	35.39	39.10	8.42	41.92
AV	11.5668G	37.51	54.00	-16.49	5.49	3	Horizontal	258	1.45	32.02	39.00	8.44	41.95
AV	12.8622G	38.48	68.20	-29.72	6.71	3	Horizontal	90	1.96	31.77	39.98	8.85	42.12
AV	17.2191G	37.82	68.20	-30.38	5.22	3	Horizontal	214	2.06	32.60	37.54	10.82	43.14
AV	17.36615G	38.01	68.20	-30.19	5.39	3	Horizontal	190	2.35	32.62	37.73	10.76	43.10
PK	4.87985G	55.26	74.00	-18.74	-6.09	3	Horizontal	210	1.66	61.35	32.92	5.02	44.03
PK	7.3164G	50.51	74.00	-23.49	-0.54	3	Horizontal	323	1.46	51.05	37.13	6.23	43.90
PK	11.49305G	54.80	74.00	-19.20	5.60	3	Horizontal	319	1.38	49.20	39.10	8.42	41.92
PK	11.5816G	51.90	74.00	-22.10	5.40	3	Horizontal	258	1.45	46.50	38.91	8.44	41.95
PK	12.86215G	52.88	88.20	-35.32	6.71	3	Horizontal	90	1.96	46.17	39.98	8.85	42.12
PK	17.2278G	51.04	88.20	-37.16	5.24	3	Horizontal	214	2.06	45.80	37.56	10.82	43.14
PK	17.35605G	51.23	88.20	-36.97	5.38	3	Horizontal	190	2.35	45.85	37.71	10.77	43.10

Radiated Emissions above 1GHz_Mode 3



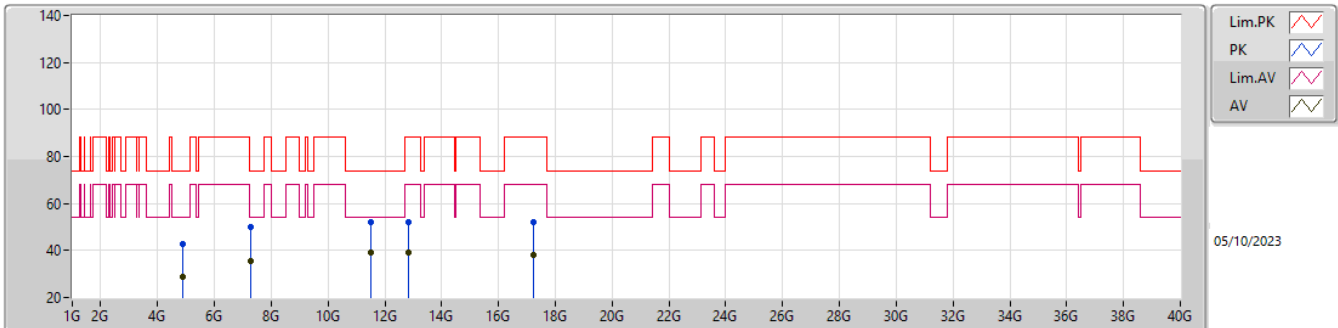
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.8719G	38.76	54.00	-15.24	-6.12	3	Vertical	54	2.21	44.88	32.89	5.02	44.03
AV	7.28625G	41.30	54.00	-12.70	-0.48	3	Vertical	105	1.87	41.78	37.23	6.21	43.92
AV	11.4911G	38.24	54.00	-15.76	5.59	3	Vertical	78	2.93	32.65	39.10	8.41	41.92
AV	12.84476G	38.59	68.20	-29.61	6.70	3	Vertical	280	2.30	31.89	39.97	8.84	42.11
AV	13.00708G	38.35	68.20	-29.85	6.48	3	Vertical	8	1.92	31.87	39.77	8.89	42.18
AV	17.22982G	37.95	68.20	-30.25	5.25	3	Vertical	352	1.36	32.70	37.56	10.82	43.13
PK	4.8714G	53.59	74.00	-20.41	-6.12	3	Vertical	54	2.21	59.71	32.89	5.02	44.03
PK	7.28615G	56.62	74.00	-17.38	-0.48	3	Vertical	105	1.87	57.10	37.23	6.21	43.92
PK	11.48012G	51.68	74.00	-22.32	5.58	3	Vertical	78	2.93	46.10	39.10	8.41	41.93
PK	12.84398G	52.17	88.20	-36.03	6.69	3	Vertical	280	2.30	45.48	39.96	8.84	42.11
PK	13.00846G	52.09	88.20	-36.11	6.48	3	Vertical	8	1.92	45.61	39.77	8.89	42.18
PK	17.22676G	51.77	88.20	-36.43	5.23	3	Vertical	352	1.36	46.54	37.55	10.82	43.14

Radiated Emissions above 1GHz_Mode 3



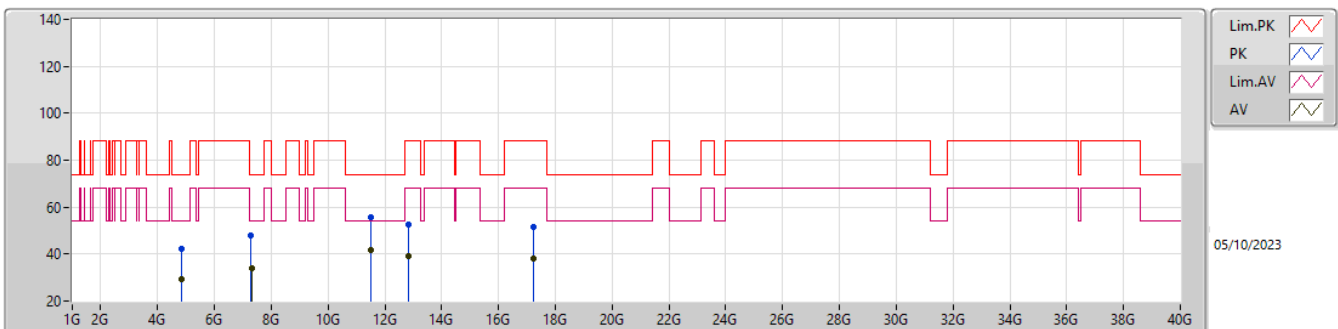
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.8849G	38.68	54.00	-15.32	-6.06	3	Horizontal	102	1.37	44.74	32.94	5.03	44.03
AV	7.2905G	42.17	54.00	-11.83	-0.48	3	Horizontal	95	1.77	42.65	37.22	6.21	43.91
AV	11.4935G	41.48	54.00	-12.52	5.60	3	Horizontal	318	1.49	35.88	39.10	8.42	41.92
AV	12.8438G	38.59	68.20	-29.61	6.69	3	Horizontal	335	2.67	31.90	39.96	8.84	42.11
AV	13.01068G	38.38	68.20	-29.82	6.47	3	Horizontal	140	1.01	31.91	39.76	8.89	42.18
AV	17.2333G	37.80	68.20	-30.40	5.26	3	Horizontal	222	2.84	32.54	37.57	10.82	43.13
PK	4.88475G	54.97	74.00	-19.03	-6.06	3	Horizontal	102	1.37	61.03	32.94	5.03	44.03
PK	7.29115G	56.98	74.00	-17.02	-0.48	3	Horizontal	95	1.77	57.46	37.22	6.21	43.91
PK	11.49256G	55.57	74.00	-18.43	5.60	3	Horizontal	318	1.49	49.97	39.10	8.42	41.92
PK	12.85988G	51.90	88.20	-36.30	6.71	3	Horizontal	335	2.67	45.19	39.98	8.85	42.12
PK	13.0169G	51.73	88.20	-36.47	6.45	3	Horizontal	140	1.01	45.28	39.73	8.90	42.18
PK	17.23728G	51.15	88.20	-37.05	5.26	3	Horizontal	222	2.84	45.89	37.57	10.82	43.13

Radiated Emissions above 1GHz_Mode 4



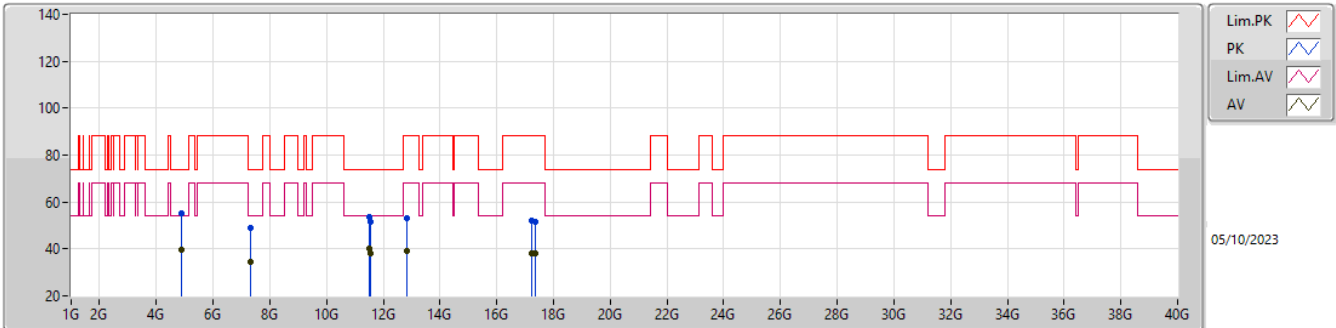
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.87744G	28.82	54.00	-25.18	-6.10	3	Vertical	351	1.73	34.92	32.91	5.02	44.03
AV	7.30016G	35.52	54.00	-18.48	-0.49	3	Vertical	70	2.58	36.01	37.20	6.22	43.91
AV	11.4906G	38.93	54.00	-15.07	5.59	3	Vertical	341	1.72	33.34	39.10	8.41	41.92
AV	12.84988G	38.92	68.20	-29.28	6.73	3	Vertical	229	1.15	32.19	40.00	8.84	42.11
AV	17.23075G	38.08	68.20	-30.12	5.25	3	Vertical	187	2.39	32.83	37.56	10.82	43.13
PK	4.87464G	42.62	74.00	-31.38	-6.11	3	Vertical	351	1.73	48.73	32.90	5.02	44.03
PK	7.29828G	50.02	74.00	-23.98	-0.50	3	Vertical	70	2.58	50.52	37.20	6.21	43.91
PK	11.4915G	52.17	74.00	-21.83	5.59	3	Vertical	341	1.72	46.58	39.10	8.41	41.92
PK	12.85026G	52.27	88.20	-35.93	6.73	3	Vertical	229	1.15	45.54	40.00	8.84	42.11
PK	17.23109G	52.14	88.20	-36.06	5.25	3	Vertical	187	2.39	46.89	37.56	10.82	43.13

Radiated Emissions above 1GHz_Mode 4



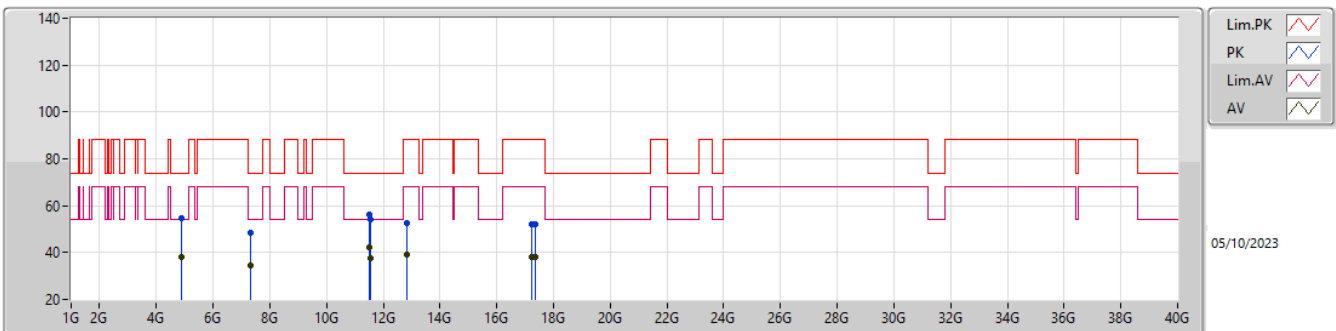
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.86456G	29.19	54.00	-24.81	-6.16	3	Horizontal	352	1.34	35.35	32.86	5.01	44.03
AV	7.31308G	33.76	54.00	-20.24	-0.53	3	Horizontal	349	1.33	34.29	37.15	6.22	43.90
AV	11.49282G	41.85	54.00	-12.15	5.60	3	Horizontal	319	1.50	36.25	39.10	8.42	41.92
AV	12.8504G	38.95	68.20	-29.25	6.73	3	Horizontal	144	2.75	32.22	40.00	8.84	42.11
AV	17.23334G	38.12	68.20	-30.08	5.26	3	Horizontal	296	1.19	32.86	37.57	10.82	43.13
PK	4.86556G	42.50	74.00	-31.50	-6.16	3	Horizontal	352	1.34	48.66	32.86	5.01	44.03
PK	7.2964G	47.95	74.00	-26.05	-0.49	3	Horizontal	349	1.33	48.44	37.21	6.21	43.91
PK	11.49168G	55.50	74.00	-18.50	5.59	3	Horizontal	319	1.50	49.91	39.10	8.41	41.92
PK	12.84591G	52.37	88.20	-35.83	6.71	3	Horizontal	144	2.75	45.66	39.98	8.84	42.11
PK	17.23286G	51.73	88.20	-36.47	5.26	3	Horizontal	296	1.19	46.47	37.57	10.82	43.13

Radiated Emissions above 1GHz_Mode 5



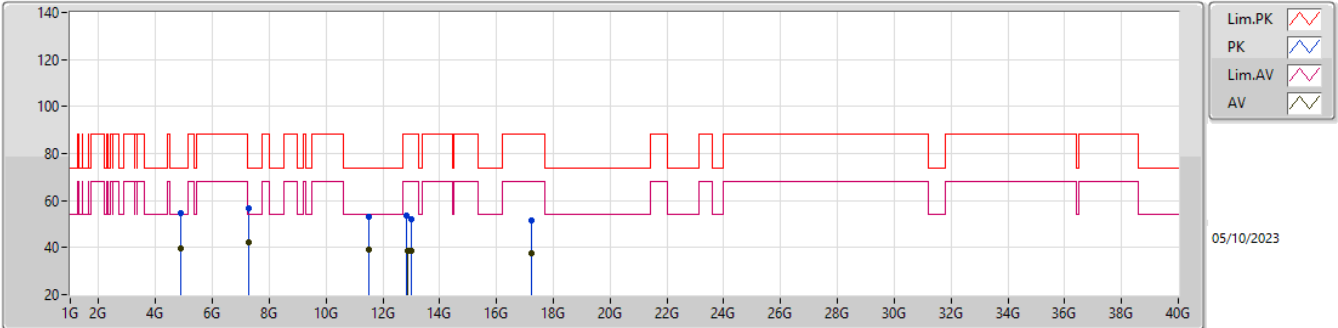
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)				
AV	4.87215G	39.73	54.00	-14.27	-6.12	3	Vertical	302	1.68	45.85	32.89	5.02	44.03				
AV	7.3089G	34.62	54.00	-19.38	-0.52	3	Vertical	35	1.69	35.14	37.16	6.22	43.90				
AV	11.49195G	39.94	54.00	-14.06	5.60	3	Vertical	353	2.82	34.34	39.10	8.42	41.92				
AV	11.56683G	37.89	54.00	-16.11	5.49	3	Vertical	43	1.16	32.40	39.00	8.44	41.95				
AV	12.84889G	38.94	68.20	-29.26	6.72	3	Vertical	264	2.63	32.22	39.99	8.84	42.11				
AV	17.23091G	38.11	68.20	-30.09	5.25	3	Vertical	246	1.04	32.86	37.56	10.82	43.13				
AV	17.35831G	38.27	68.20	-29.93	5.39	3	Vertical	243	2.01	32.88	37.72	10.77	43.10				
PK	4.87155G	55.32	74.00	-18.68	-6.12	3	Vertical	302	1.68	61.44	32.89	5.02	44.03				
PK	7.3108G	49.20	74.00	-24.80	-0.52	3	Vertical	35	1.69	49.72	37.16	6.22	43.90				
PK	11.49235G	53.74	74.00	-20.26	5.60	3	Vertical	353	2.82	48.14	39.10	8.42	41.92				
PK	11.57219G	51.50	74.00	-22.50	5.46	3	Vertical	43	1.16	46.04	38.97	8.44	41.95				
PK	12.85132G	53.01	88.20	-35.19	6.73	3	Vertical	264	2.63	46.28	40.00	8.84	42.11				
PK	17.23232G	52.27	88.20	-35.93	5.25	3	Vertical	246	1.04	47.02	37.56	10.82	43.13				
PK	17.35132G	51.58	88.20	-36.62	5.36	3	Vertical	243	2.01	46.22	37.70	10.77	43.11				

Radiated Emissions above 1GHz_Mode 5



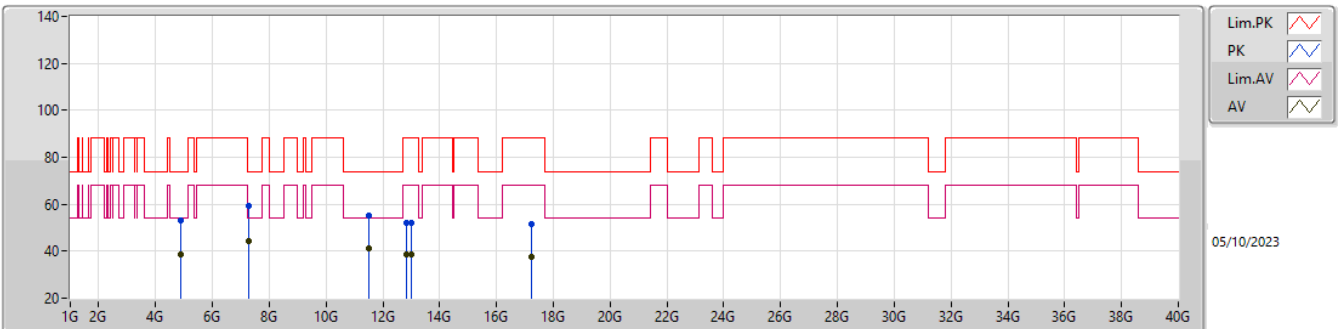
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)				
AV	4.88485G	38.35	54.00	-15.65	-6.06	3	Horizontal	351	1.36	44.41	32.94	5.03	44.03				
AV	7.3078G	34.37	54.00	-19.63	-0.51	3	Horizontal	320	1.45	34.88	37.17	6.22	43.90				
AV	11.4933G	42.02	54.00	-11.98	5.60	3	Horizontal	318	1.47	36.42	39.10	8.42	41.92				
AV	11.56546G	37.83	54.00	-16.17	5.50	3	Horizontal	293	1.50	32.33	39.01	8.44	41.95				
AV	12.84773G	38.96	68.20	-29.24	6.72	3	Horizontal	111	1.86	32.24	39.99	8.84	42.11				
AV	17.23301G	38.11	68.20	-30.09	5.26	3	Horizontal	358	2.08	32.85	37.57	10.82	43.13				
AV	17.35942G	38.21	68.20	-29.99	5.39	3	Horizontal	168	1.78	32.82	37.72	10.77	43.10				
PK	4.88545G	54.42	74.00	-19.58	-6.06	3	Horizontal	351	1.36	60.48	32.94	5.03	44.03				
PK	7.3066G	48.34	74.00	-25.66	-0.51	3	Horizontal	320	1.45	48.85	37.17	6.22	43.90				
PK	11.49285G	56.27	74.00	-17.73	5.60	3	Horizontal	318	1.47	50.67	39.10	8.42	41.92				
PK	11.57103G	53.95	74.00	-20.05	5.46	3	Horizontal	293	1.50	48.49	38.97	8.44	41.95				
PK	12.84769G	52.59	88.20	-35.61	6.72	3	Horizontal	111	1.86	45.87	39.99	8.84	42.11				
PK	17.23907G	52.21	88.20	-35.99	5.27	3	Horizontal	358	2.08	46.94	37.58	10.82	43.13				
PK	17.35383G	52.26	88.20	-35.94	5.37	3	Horizontal	168	1.78	46.89	37.71	10.77	43.11				

Radiated Emissions above 1GHz_Mode 6



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	4.87215G	39.40	54.00	-14.60	-6.12	3	Vertical	305	1.60	45.52	32.89	5.02	44.03
AV	7.2639G	42.34	54.00	-11.66	-0.47	3	Vertical	40	1.70	42.81	37.27	6.19	43.93
AV	11.4897G	39.02	54.00	-14.98	5.58	3	Vertical	357	1.50	33.44	39.10	8.41	41.93
AV	12.85618G	38.58	68.20	-29.62	6.71	3	Vertical	269	2.24	31.87	39.99	8.84	42.12
AV	13.0096G	38.40	68.20	-29.80	6.47	3	Vertical	178	1.80	31.93	39.76	8.89	42.18
AV	17.2324G	37.76	68.20	-30.44	5.25	3	Vertical	160	1.45	32.51	37.56	10.82	43.13
PK	4.874G	54.73	74.00	-19.27	-6.11	3	Vertical	305	1.60	60.84	32.90	5.02	44.03
PK	7.2992G	56.50	74.00	-17.50	-0.50	3	Vertical	40	1.70	57.00	37.20	6.21	43.91
PK	11.48988G	53.31	74.00	-20.69	5.58	3	Vertical	357	1.50	47.73	39.10	8.41	41.93
PK	12.84412G	53.48	88.20	-34.72	6.69	3	Vertical	269	2.24	46.79	39.96	8.84	42.11
PK	13.00796G	51.97	88.20	-36.23	6.48	3	Vertical	178	1.80	45.49	39.77	8.89	42.18
PK	17.23426G	51.30	88.20	-36.90	5.26	3	Vertical	160	1.45	46.04	37.57	10.82	43.13

Radiated Emissions above 1GHz_Mode 6



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	4.87695G	38.68	54.00	-15.32	-6.10	3	Horizontal	46	1.03	44.78	32.91	5.02	44.03
AV	7.2617G	44.30	54.00	-9.70	-0.46	3	Horizontal	296	2.32	44.76	37.28	6.19	43.93
AV	11.49263G	41.42	54.00	-12.58	5.60	3	Horizontal	317	1.39	35.82	39.10	8.42	41.92
AV	12.84682G	38.67	68.20	-29.53	6.71	3	Horizontal	206	1.87	31.96	39.98	8.84	42.11
AV	13.00932G	38.43	68.20	-29.77	6.47	3	Horizontal	43	1.50	31.96	39.76	8.89	42.18
AV	17.23892G	37.75	68.20	-30.45	5.27	3	Horizontal	15	1.25	32.48	37.58	10.82	43.13
PK	4.87665G	53.06	74.00	-20.94	-6.10	3	Horizontal	46	1.03	59.16	32.91	5.02	44.03
PK	7.276G	59.08	74.00	-14.92	-0.47	3	Horizontal	296	2.32	59.55	37.25	6.20	43.92
PK	11.49298G	55.10	74.00	-18.90	5.60	3	Horizontal	317	1.39	49.50	39.10	8.42	41.92
PK	12.84592G	51.94	88.20	-36.26	6.71	3	Horizontal	206	1.87	45.23	39.98	8.84	42.11
PK	13.00828G	51.92	88.20	-36.28	6.48	3	Horizontal	43	1.50	45.44	39.77	8.89	42.18
PK	17.23592G	51.46	88.20	-36.74	5.26	3	Horizontal	15	1.25	46.20	37.57	10.82	43.13