

FCC Radio Test Report

FCC ID : H8NRT5704W-D350
Equipment : Dynalink AXE10200 Tri-Band Mesh WiFi 6E System
Brand Name : DYNALINK
Model Name : DL-WME38
Applicant : ASKEY COMPUTER CORPORATION
10F, No. 119, Jiankang Road, Zhonghe Dist.,
New Taipei City, Taiwan
Manufacturer : ASKEY COMPUTER CORPORATION
10F, No. 119, Jiankang Road, Zhonghe Dist.,
New Taipei City, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Oct. 19, 2021, and testing was started from Oct. 26, 2021 and completed on Nov. 25, 2021. 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: Allen Lin

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



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History of this test report

Report No.	Version	Description	Issued Date
FR1O1921AC	01	Initial issue of report	Nov. 26, 2021

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 worse case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluated the output power.

Reviewed by: Ben Tseng

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

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

Non-Beamforming

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

Beamforming

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

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	inpaq	RFFPA201412IM5B701	Dipole	I-PEX	5G
2	inpaq	RFFPA201413IM5B701	Dipole	I-PEX	5G
3	inpaq	RFFPA201416IM5B701	Dipole	I-PEX	5G
4	inpaq	RFFPA201416IM5B702	Dipole	I-PEX	5G
5	inpaq	RFFPA201421IMMB701	Dipole	I-PEX	6G
6	inpaq	RFFPA201426IMMB701	Dipole	I-PEX	6G
7	inpaq	RFFPA271709IMMB701	Dipole	I-PEX	2.4G+6G
8	inpaq	RFFPA271709IMMB702	Dipole	I-PEX	2.4G+6G

Ant.	Max Peak Gain [dBi]								2.4G
	5G				6G				
	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	U-NII-5	U-NII-6	U-NII-7	U-NII-8	
1	3.35	3.83	3.2	4.2	-	-	-	-	-
2	2.67	3.29	3.58	4.43	-	-	-	-	-
3	2.93	2.24	2.39	3.32	-	-	-	-	-
4	3.32	2.61	2.32	2.91	-	-	-	-	-
5	-	-	-	-	7.43	4.78	3.81	3.62	-
6	-	-	-	-	5.02	2.21	2.69	4.45	-
7	-	-	-	-	3.95	1.49	2.23	2.49	1.78
8	-	-	-	-	4.89	3.21	4.02	3.72	2.98

Ant.	Composite Gain[dBi]								
	5G				6G				2.4G
	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	U-NII-5	U-NII-6	U-NII-7	U-NII-8	
1	3.65	4.13	4.4	4.82	-	-	-	-	-
2					-	-	-	-	-
3					-	-	-	-	-
4					-	-	-	-	-
5	-	-	-	-	7.48	5.18	4.89	4.62	-
6	-	-	-	-					-
7	-	-	-	-					3.06
8	-	-	-	-					

Note 1: The EUT has eight antennas.

For 2.4GHz function:

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

Ant. 7 and Ant. 8 could transmit/receive simultaneously.

For 5GHz function:

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

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

For 6GHz function:

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

Ant. 5, Ant. 6, Ant. 7 and Ant. 8 could transmit/receive simultaneously.

1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle
Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq \frac{1}{T}$
802.11b_Nss1,(1Mbps)_2TX	0.62	2.08	688.75u	3k
802.11g_Nss1,(6Mbps)_2TX	0.94	0.27	1.977m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.935	0.29	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.91	0.41	5.446m	300

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

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq \frac{1}{T}$
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.935	0.29	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.91	0.41	5.446m	300

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

1.2 Testing Applied Standards

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

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

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

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 662911 D01 v02r01
- ♦ KDB 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	Daniel Hsu	22.3~22.5°C / 59~60%	02/Nov/2021
RF Conducted	TH01-HY	Johnny Yu	22.2~26.7°C / 50.2~63.5%	26/Oct/2021~17/Nov/2021
Radiated	03CH03-HY	Justin Pan	21.1~23.2°C / 58~61%	01/Nov/2021~13/Nov/2021
Radiated (Co-location)	03CH03-HY	Justin Pan	20.2~22.3°C / 54~58%	25/Nov/2021
☐ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: 886-3-318-0787 FAX: 886-3-318-0287			
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	QDART-Connectivity1.0-00077
------------------------------	-----------------------------

Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	19
2417MHz	20
2437MHz	19.5
2457MHz	18
2462MHz	18
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	15.5
2417MHz	17
2437MHz	18.5
2457MHz	17
2462MHz	15
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	14.5
2417MHz	17
2437MHz	18.5
2457MHz	16
2462MHz	14.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	13.5
2427MHz	14
2437MHz	15.5
2447MHz	14
2452MHz	13.5

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	Y Plane
	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4GHz + WLAN 6GHz
Refer to Appendix G for Radiated Emission Co-location.	

**The Worst Case Mode for Following Conformance Tests**

Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz + WLAN 5GHz+ WLAN 6GHz
Refer to Sporton Test Report No.: FA101921 for Co-location RF Exposure Evaluation.	

2.3 Accessories

Accessories

AC Adapter (US Plug)	Brand Name	DYNALINK	Model Name	SYS1652-3612-W2
	Power Rating	I/P: 100 - 240Vac, 1.5A, O/P: 12.0Vdc, 3.0A		
	Power Cord	1.45 meter, non-shielded cable, w/o ferrite core		
RJ45 Cable [CAT. 5E]	Category	5E	In/Out door	Indoor
	Power Cord	1.75 meter, non-shielded cable		
RJ45 Cable [CAT. 6A]	Category	6A	In/Out door	Indoor
	Power Cord	1.75 meter, non-shielded cable		

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	Notebook	HP	5220M	-	-
2	Adapter for NB	HP	PPP012H-S	-	-
3	RJ45 cable	Power Sync	CAT-6E-10	-	-

Support Equipment – Conducted

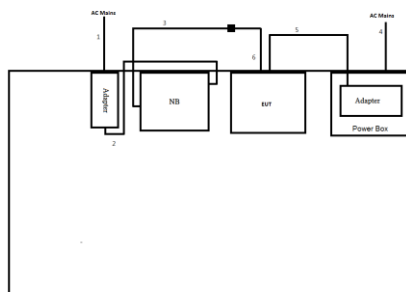
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

Support Equipment – Radiated

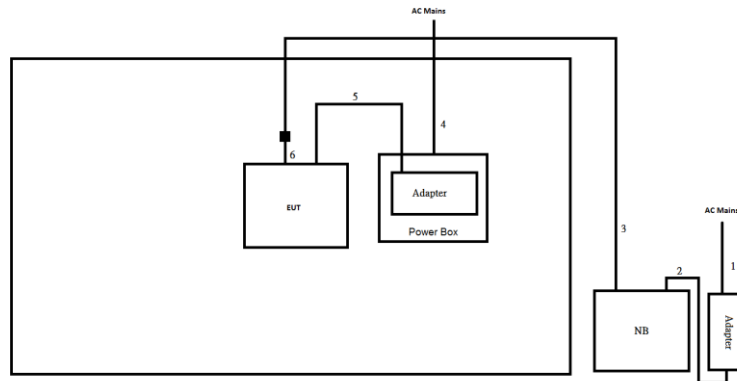
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook (Remote)	HP	5220M	-	-
2	Adapter for NB (Remote)	HP	PPP012L-E	-	-
3	RJ45 cable	Power Sync	CAT-6E-10	-	-

2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	RJ45 cable	No	10	-
4	AC Power cable	No	1.8	-
5	DC Power cable	No	1.45	-
6	RJ45 cable	No	1.75	-

Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	RJ45 cable	No	10	-
4	AC Power cable	No	1.8	-
5	DC Power cable	No	1.45	-
6	RJ45 cable	No	1.75	-

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

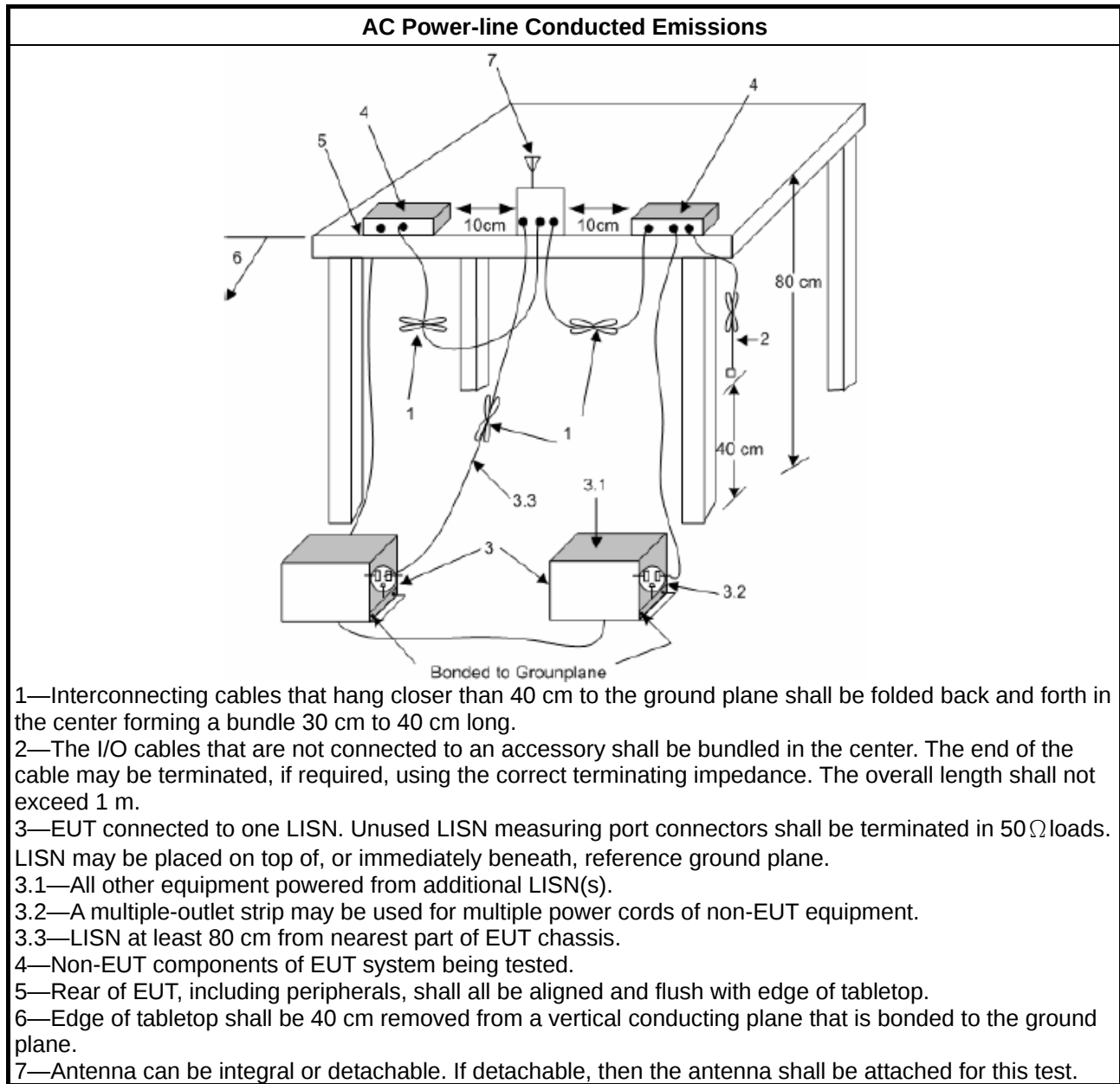
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

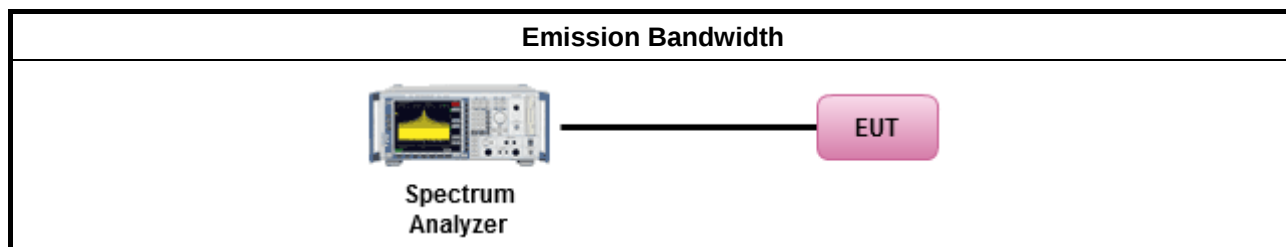
3.2.2 Measuring Instruments

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): $P_{eirr} \leq 36$ dBm (4 W)	
	Point-to-point systems (P2P): $P_{eirr} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm	
	Smart antenna system (SAS)	
	-	Single beam: $P_{eirr} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Overlap beam: $P_{eirr} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Aggregate power on all beams: $P_{eirr} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ 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.		

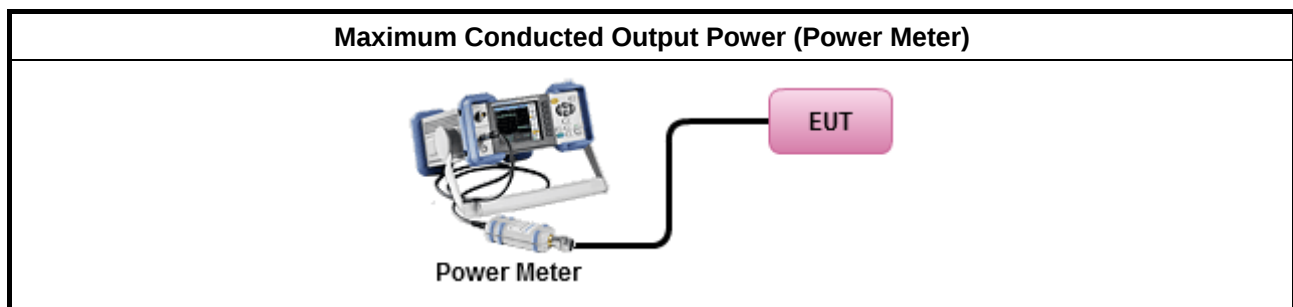
3.3.2 Measuring Instruments

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

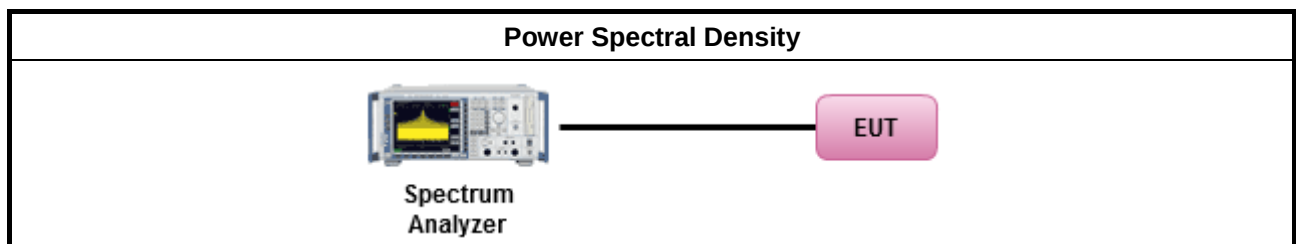
3.4.2 Measuring Instruments

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.	

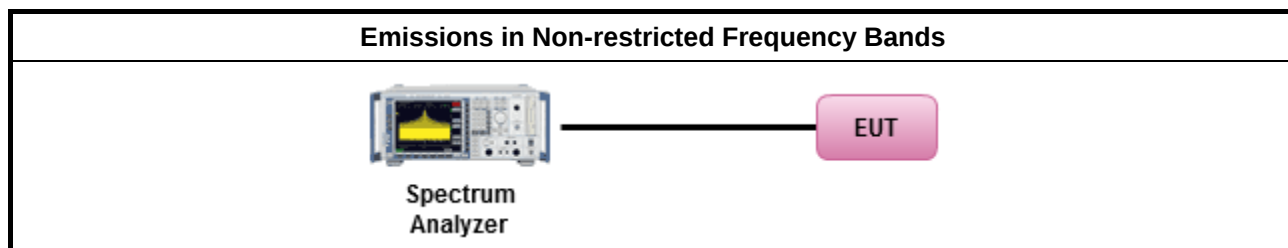
3.5.2 Measuring Instruments

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

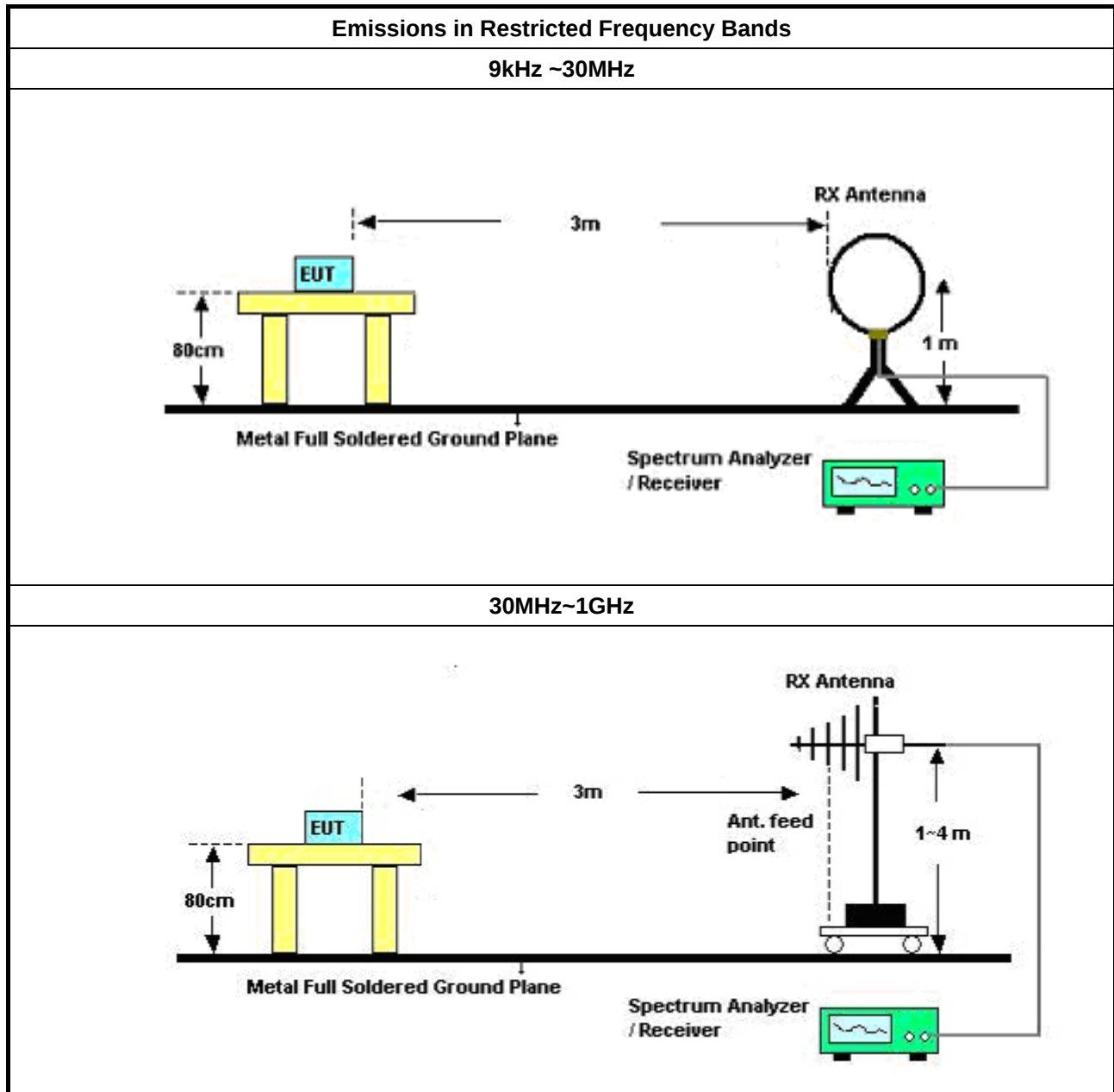
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

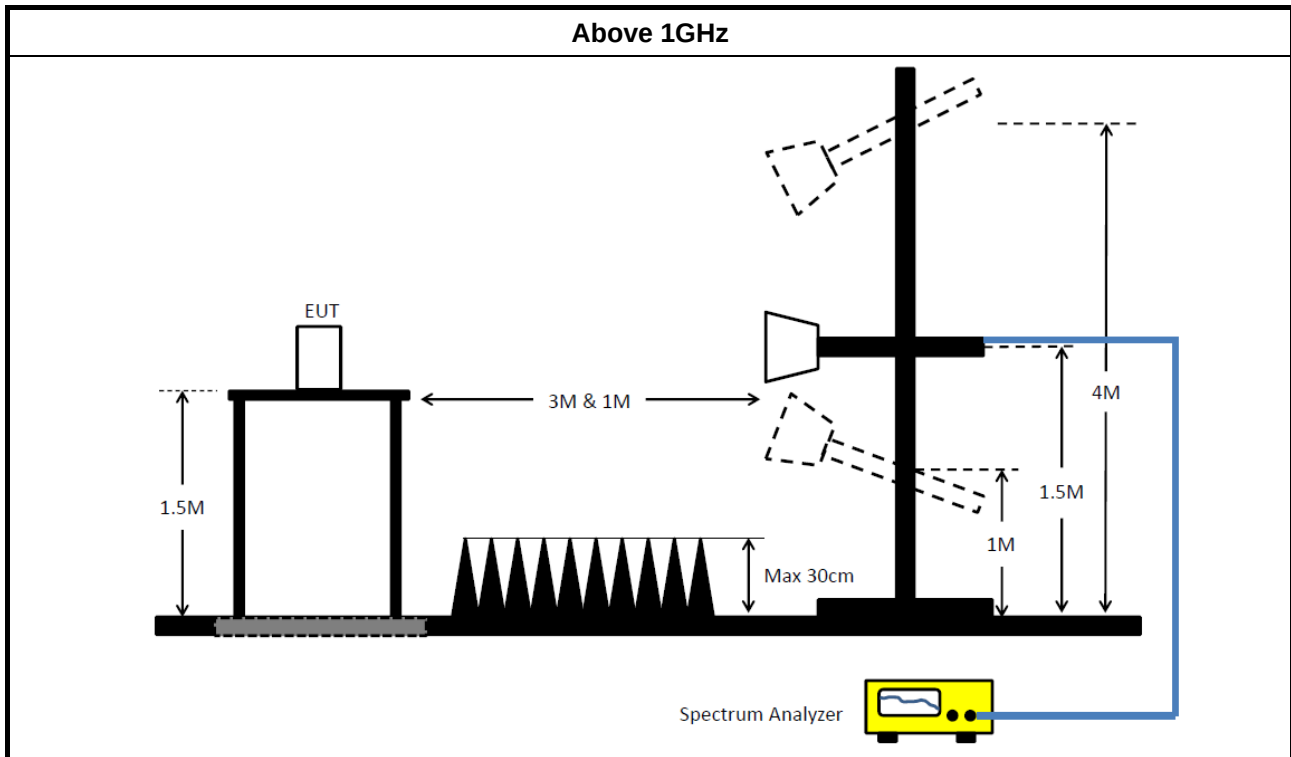
3.6.4 Measurement Results Calculation

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	ESR3	102051	9kHz ~ 3.6GHz	21/May/2021	20/May/2022
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
LISN	SCHWARZBECK	NSLK 8127	8127477	9kHz ~ 30MHz	23/Feb/2021	22/Feb/2022
RF Cable 5m	TITAN	TITAN	CO04-cable-01	0.1MHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	15/Sep/2021	14/Sep/2022

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	30/Mar/2021	29/Mar/2022
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	23/Feb/2021	22/Feb/2022
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	23/Feb/2021	22/Feb/2022
Signal Generator	Keysight	N5171B	MY53051240	9kHz~6GHz	23/Nov/2020	22/Nov/2021

**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	03CH03-HY	30MHz~1GHz 3m	03/Aug/2021	02/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	13/Apr/2021	12/Apr/2022
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	15/Jul/2021	14/Jul/2022
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	04/Sep/2021	03/Sep/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	2267	1GHz~18GHz	14/Sep/2021	13/Sep/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	16/Jun/2021	15/Jun/2022
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB021-1+CB021-2	30MHz~1GHz	17/Mar/2021	16/Mar/2022
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	09/Mar/2021	08/Mar/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022

**Instrument for Radiated Test for Co-location**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	15/Jul/2021	14/Jul/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	2267	1GHz~18GHz	14/Sep/2021	13/Sep/2022
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	09/Mar/2021	08/Mar/2022



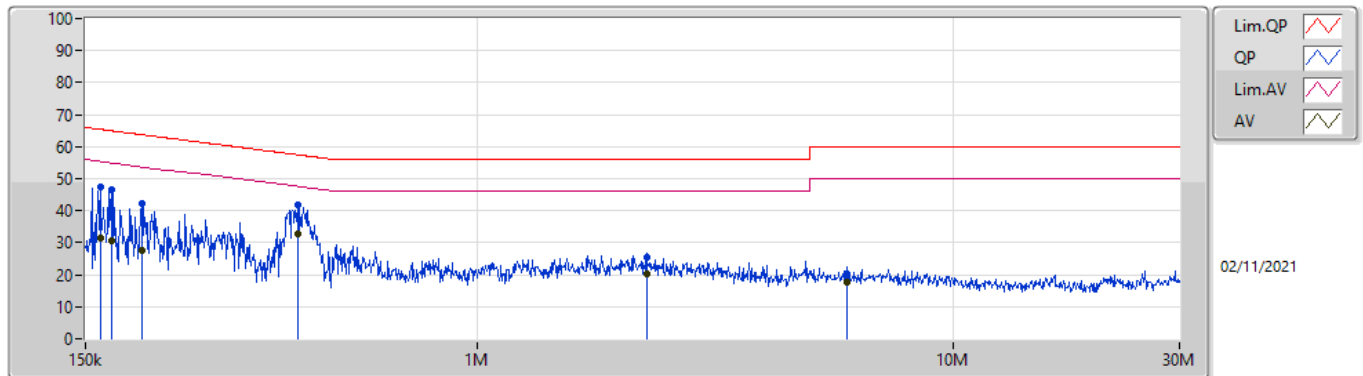
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	418.461k	32.78	47.47	-14.69	Line

Result

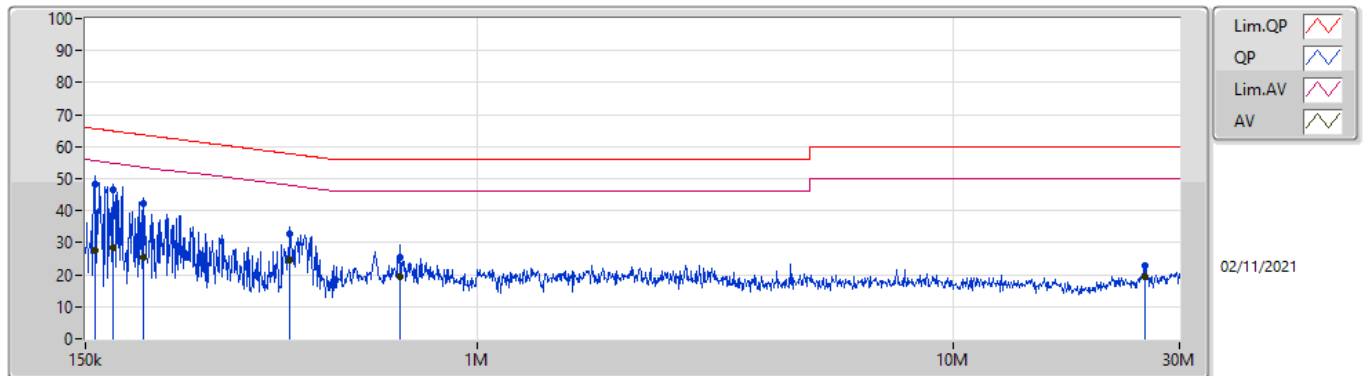
Mode	Result	Type	Freq (Hz)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	161.175k	47.49	65.41	-17.92	Line	-
Mode 1	Pass	AV	161.175k	31.54	55.41	-23.87	Line	-
Mode 1	Pass	QP	170.439k	46.51	64.93	-18.42	Line	-
Mode 1	Pass	AV	170.439k	30.43	54.93	-24.50	Line	-
Mode 1	Pass	QP	196.781k	42.41	63.74	-21.33	Line	-
Mode 1	Pass	AV	196.781k	27.62	53.74	-26.12	Line	-
Mode 1	Pass	QP	418.461k	41.77	57.47	-15.70	Line	-
Mode 1	Pass	AV	418.461k	32.78	47.47	-14.69	Line	-
Mode 1	Pass	QP	2.274M	25.33	56.00	-30.67	Line	-
Mode 1	Pass	AV	2.274M	20.46	46.00	-25.54	Line	-
Mode 1	Pass	QP	5.998M	20.37	60.00	-39.63	Line	-
Mode 1	Pass	AV	5.998M	17.50	50.00	-32.50	Line	-
Mode 1	Pass	QP	156.734k	48.10	65.64	-17.54	Neutral	-
Mode 1	Pass	AV	156.734k	27.69	55.64	-27.95	Neutral	-
Mode 1	Pass	QP	171.806k	46.44	64.87	-18.43	Neutral	-
Mode 1	Pass	AV	171.806k	28.61	54.87	-26.26	Neutral	-
Mode 1	Pass	QP	198.359k	42.08	63.69	-21.61	Neutral	-
Mode 1	Pass	AV	198.359k	25.30	53.69	-28.39	Neutral	-
Mode 1	Pass	QP	403.694k	32.58	57.78	-25.20	Neutral	-
Mode 1	Pass	AV	403.694k	24.66	47.78	-23.12	Neutral	-
Mode 1	Pass	QP	689.239k	25.35	56.00	-30.65	Neutral	-
Mode 1	Pass	AV	689.239k	19.44	46.00	-26.56	Neutral	-
Mode 1	Pass	QP	25.448M	22.77	60.00	-37.23	Neutral	-
Mode 1	Pass	AV	25.448M	19.23	50.00	-30.77	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	161.175k	47.49	65.41	-17.92	19.62	Line	-	27.87	9.69	0.04	9.89			
AV	161.175k	31.54	55.41	-23.87	19.62	Line	-	11.92	9.69	0.04	9.89			
QP	170.439k	46.51	64.93	-18.42	19.62	Line	-	26.89	9.69	0.04	9.89			
AV	170.439k	30.43	54.93	-24.50	19.62	Line	-	10.81	9.69	0.04	9.89			
QP	196.781k	42.41	63.74	-21.33	19.61	Line	-	22.80	9.68	0.04	9.89			
AV	196.781k	27.62	53.74	-26.12	19.61	Line	-	8.01	9.68	0.04	9.89			
QP	418.461k	41.77	57.47	-15.70	19.62	Line	-	22.15	9.67	0.06	9.89			
AV	418.461k	32.78	47.47	-14.69	19.62	Line	-	13.16	9.67	0.06	9.89			
QP	2.274M	25.33	56.00	-30.67	19.67	Line	-	5.66	9.68	0.11	9.88			
AV	2.274M	20.46	46.00	-25.54	19.67	Line	-	0.79	9.68	0.11	9.88			
QP	5.998M	20.37	60.00	-39.63	19.76	Line	-	0.61	9.70	0.17	9.89			
AV	5.998M	17.50	50.00	-32.50	19.76	Line	-	-2.26	9.70	0.17	9.89			

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	156.734k	48.10	65.64	-17.54	19.62	Neutral	-	28.48	9.69	0.04	9.89			
AV	156.734k	27.69	55.64	-27.95	19.62	Neutral	-	8.07	9.69	0.04	9.89			
QP	171.806k	46.44	64.87	-18.43	19.62	Neutral	-	26.82	9.69	0.04	9.89			
AV	171.806k	28.61	54.87	-26.26	19.62	Neutral	-	8.99	9.69	0.04	9.89			
QP	198.359k	42.08	63.69	-21.61	19.61	Neutral	-	22.47	9.68	0.04	9.89			
AV	198.359k	25.30	53.69	-28.39	19.61	Neutral	-	5.69	9.68	0.04	9.89			
QP	403.694k	32.58	57.78	-25.20	19.62	Neutral	-	12.96	9.67	0.06	9.89			
AV	403.694k	24.66	47.78	-23.12	19.62	Neutral	-	5.04	9.67	0.06	9.89			
QP	689.239k	25.35	56.00	-30.65	19.63	Neutral	-	5.72	9.67	0.07	9.89			
AV	689.239k	19.44	46.00	-26.56	19.63	Neutral	-	-0.19	9.67	0.07	9.89			
QP	25.448M	22.77	60.00	-37.23	19.93	Neutral	-	2.84	9.72	0.32	9.89			
AV	25.448M	19.23	50.00	-30.77	19.93	Neutral	-	-0.70	9.72	0.32	9.89			

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.075M	13.193M	13M2G1D	7.525M	12.994M
802.11g_Nss1,(6Mbps)_2TX	15.075M	16.367M	16M4D1D	13.85M	16.267M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.55M	18.966M	19M0D1D	10.05M	18.791M
802.11ax HEW40_Nss1,(MCS0)_2TX	35M	37.731M	37M7D1D	17.1M	37.581M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.525M	13.068M	8M	13.193M
2437MHz	Pass	500k	8.05M	13.068M	7.575M	12.994M
2462MHz	Pass	500k	8.075M	13.093M	7.525M	13.093M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	14.95M	16.317M	15.075M	16.267M
2437MHz	Pass	500k	14.95M	16.367M	15.05M	16.342M
2462MHz	Pass	500k	15.025M	16.342M	13.85M	16.317M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	11.275M	18.816M	15M	18.791M
2437MHz	Pass	500k	15.025M	18.966M	18.55M	18.891M
2462MHz	Pass	500k	10.05M	18.841M	15.05M	18.816M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	34.05M	37.731M	32.35M	37.681M
2437MHz	Pass	500k	31.3M	37.631M	35M	37.631M
2452MHz	Pass	500k	17.1M	37.581M	33.8M	37.681M

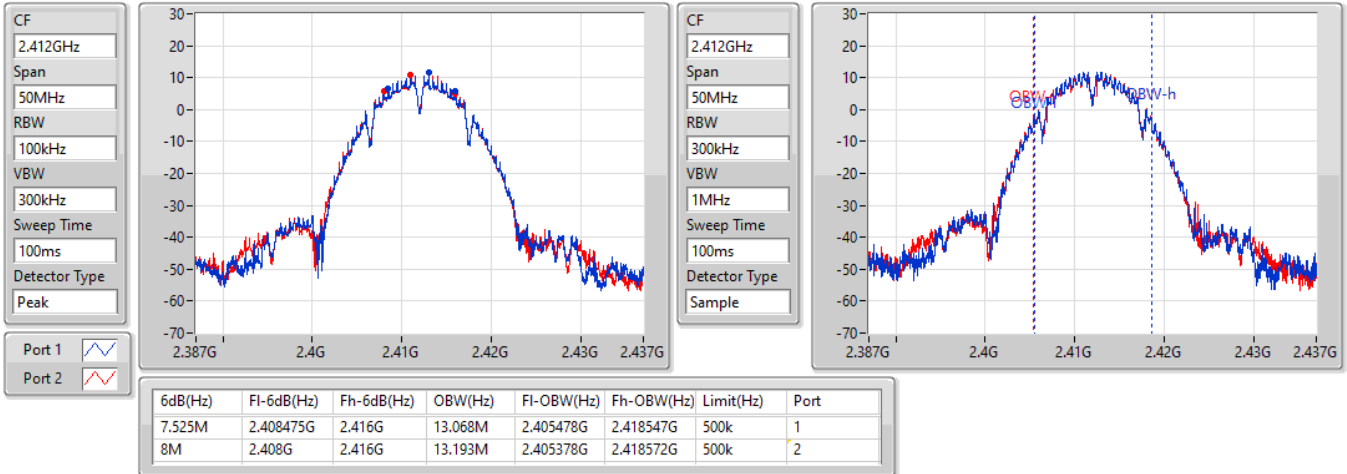
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

16/11/2021

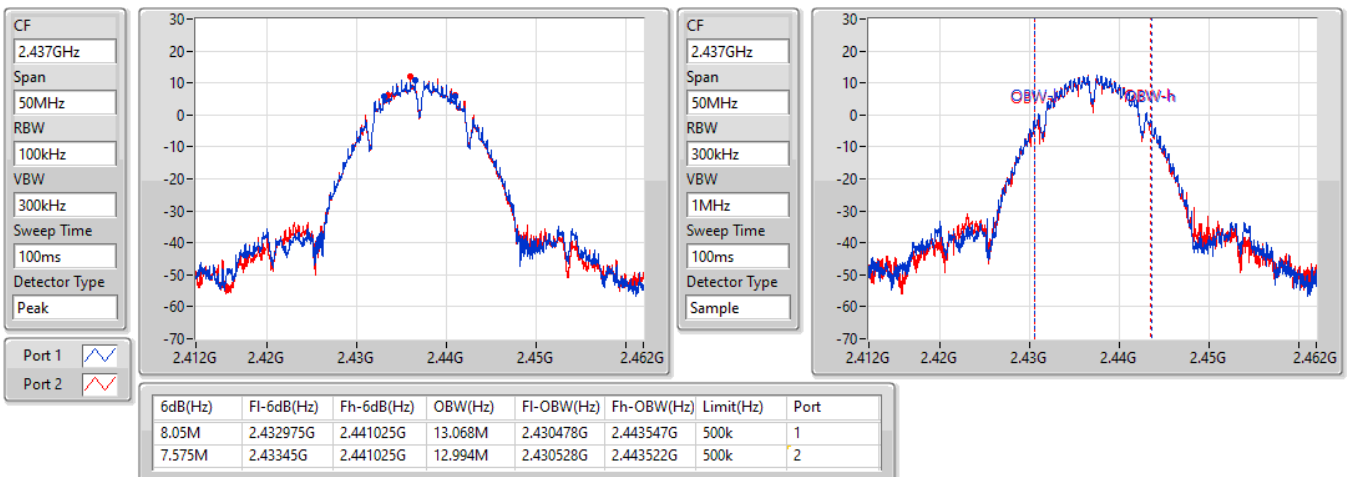


802.11b_Nss1,(1Mbps)_2TX

EBW

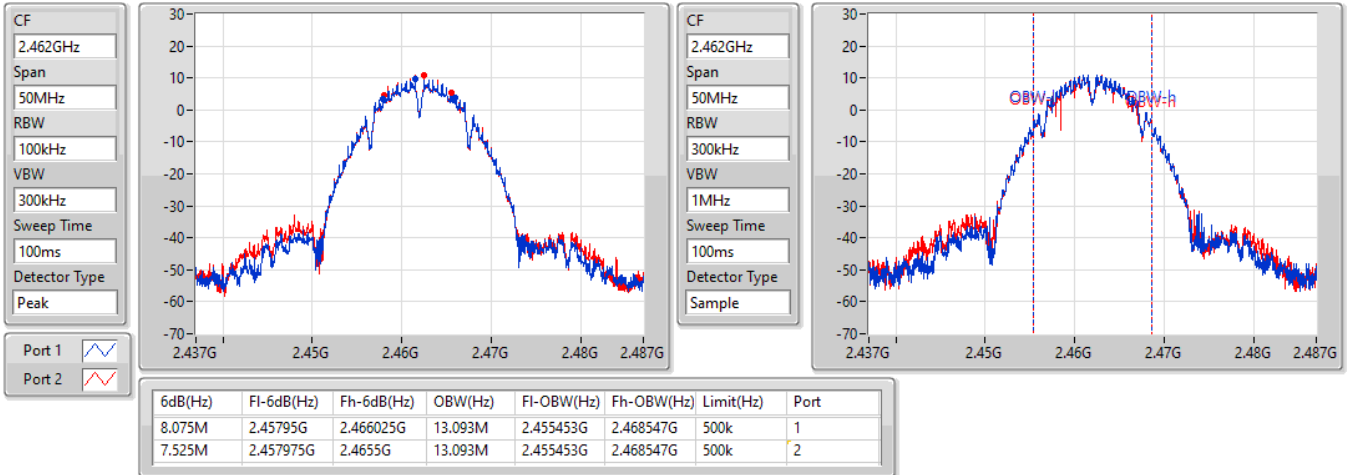
2437MHz

16/11/2021

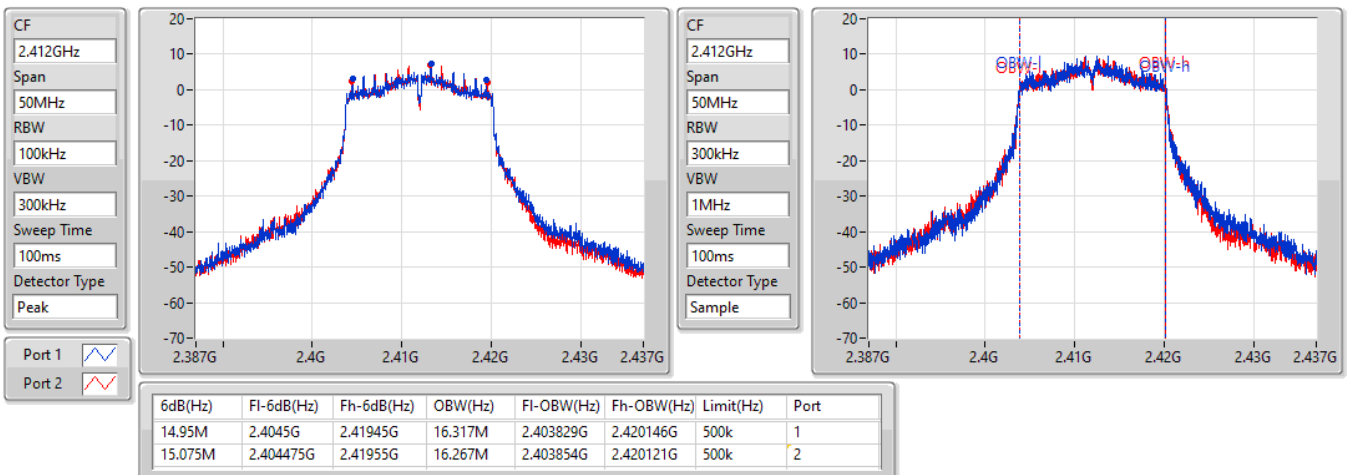


802.11b_Nss1,(1Mbps)_2TX
EBW
2462MHz

16/11/2021

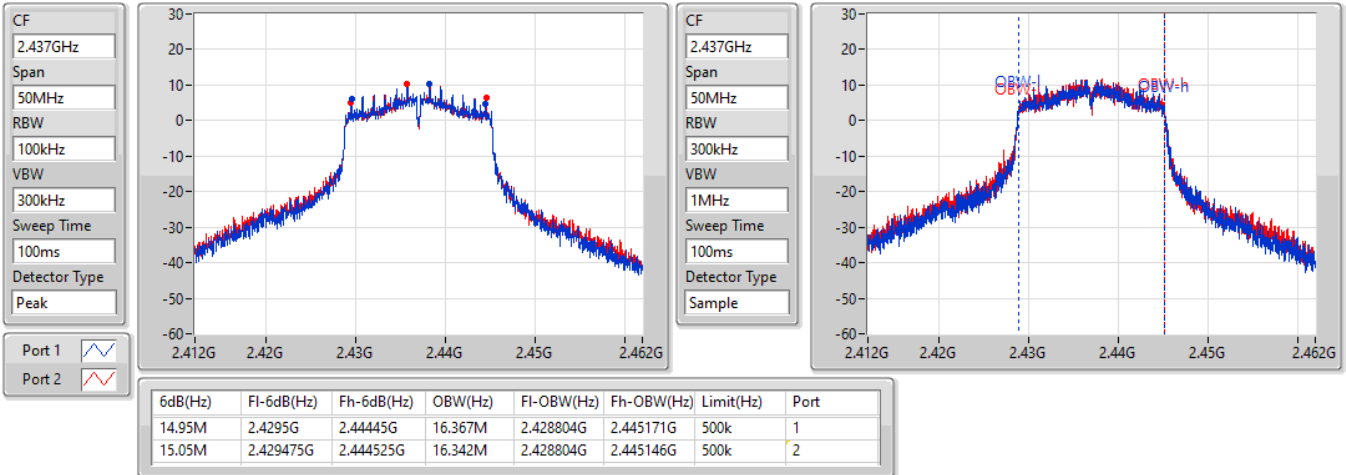

802.11g_Nss1,(6Mbps)_2TX
EBW
2412MHz

16/11/2021

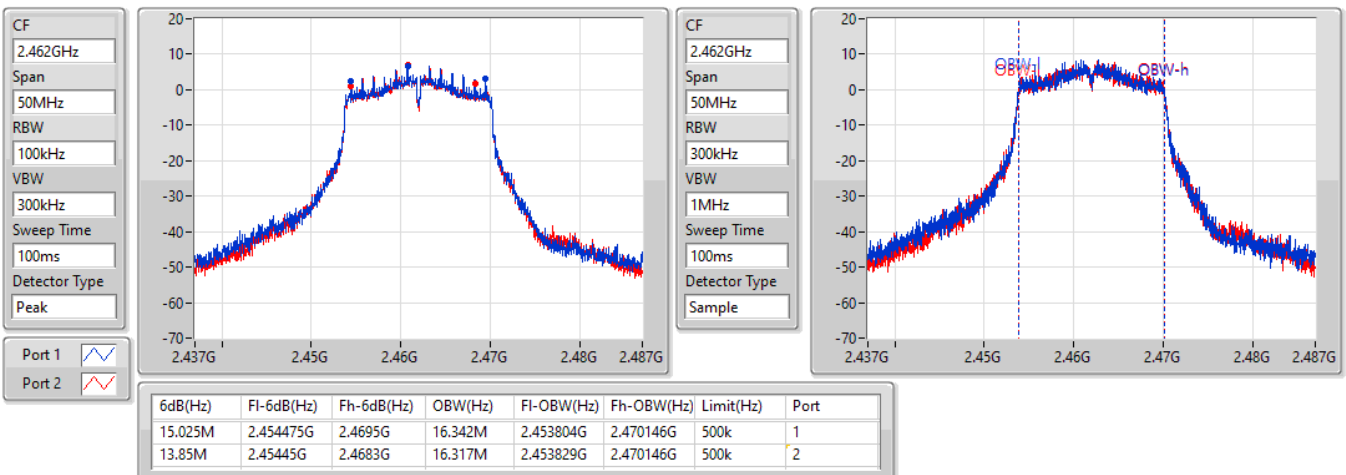


802.11g_Nss1,(6Mbps)_2TX
2437MHz

16/11/2021

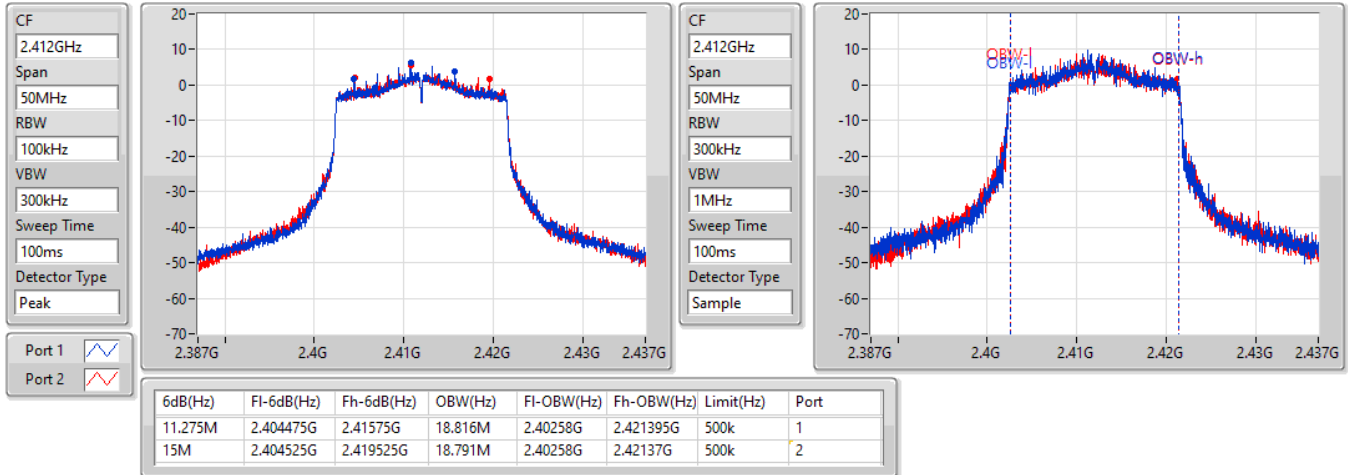

802.11g_Nss1,(6Mbps)_2TX
2462MHz

16/11/2021

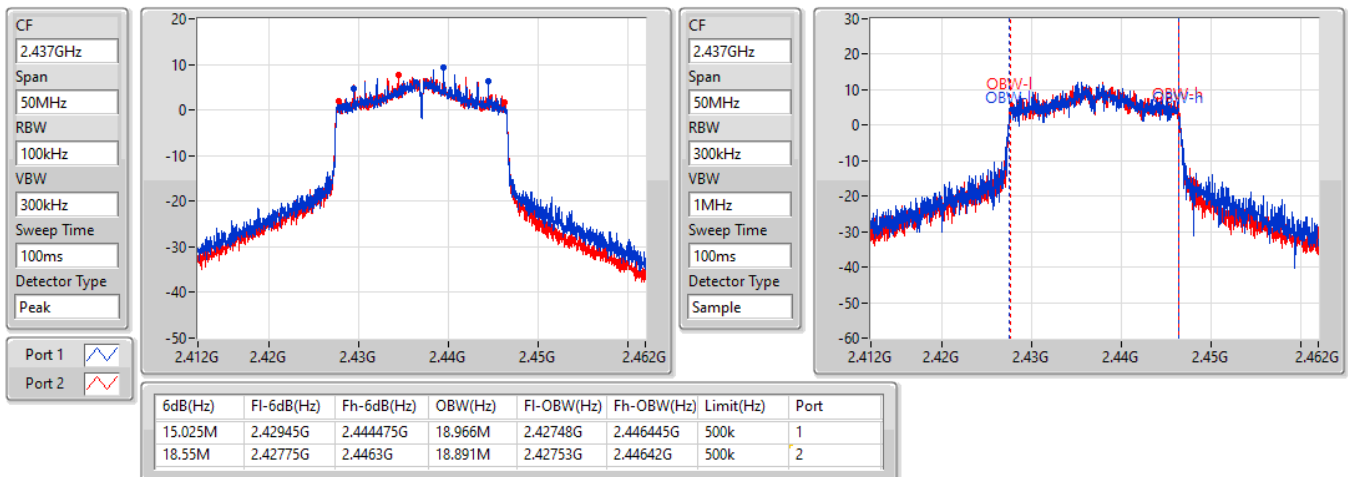


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2412MHz

16/11/2021


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2437MHz

16/11/2021

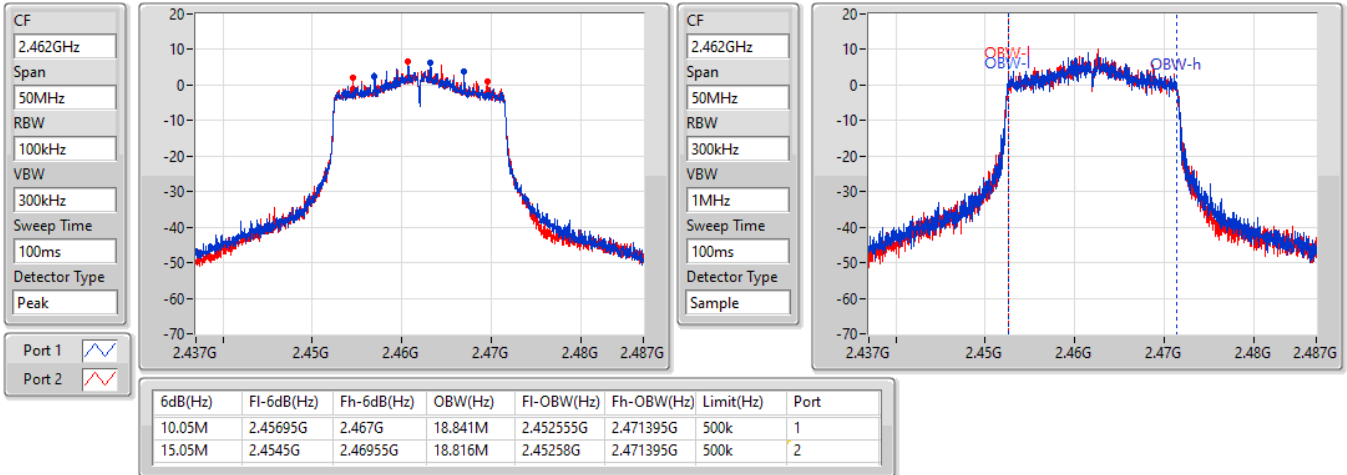


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

16/11/2021

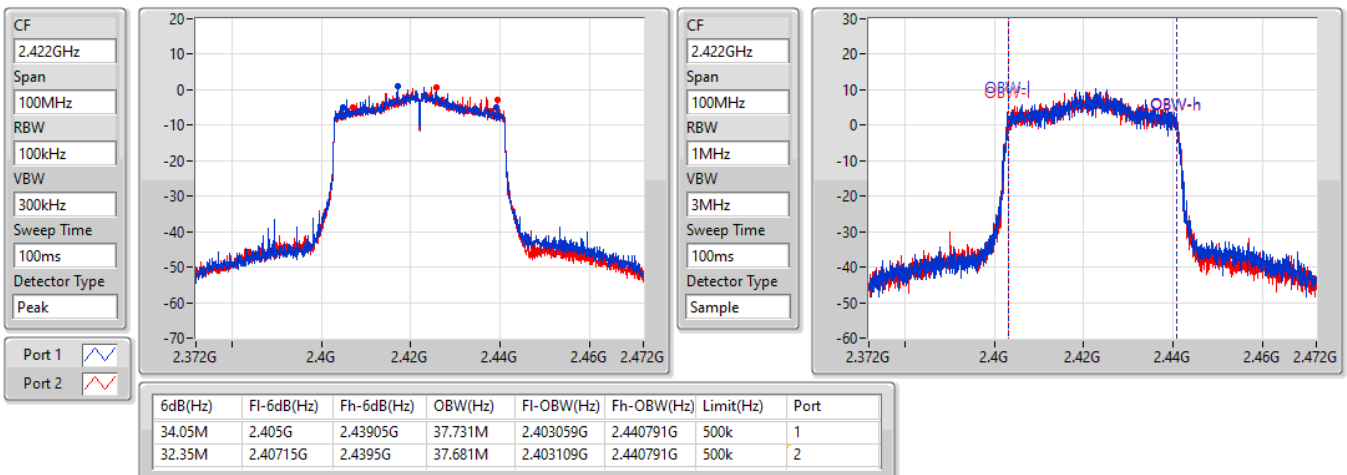


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

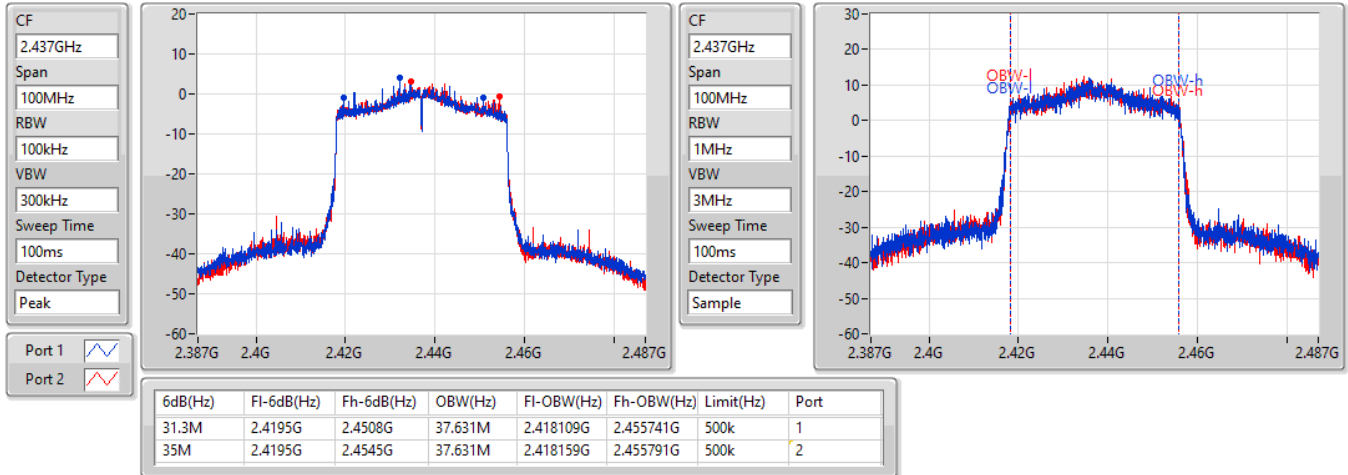
2422MHz

16/11/2021

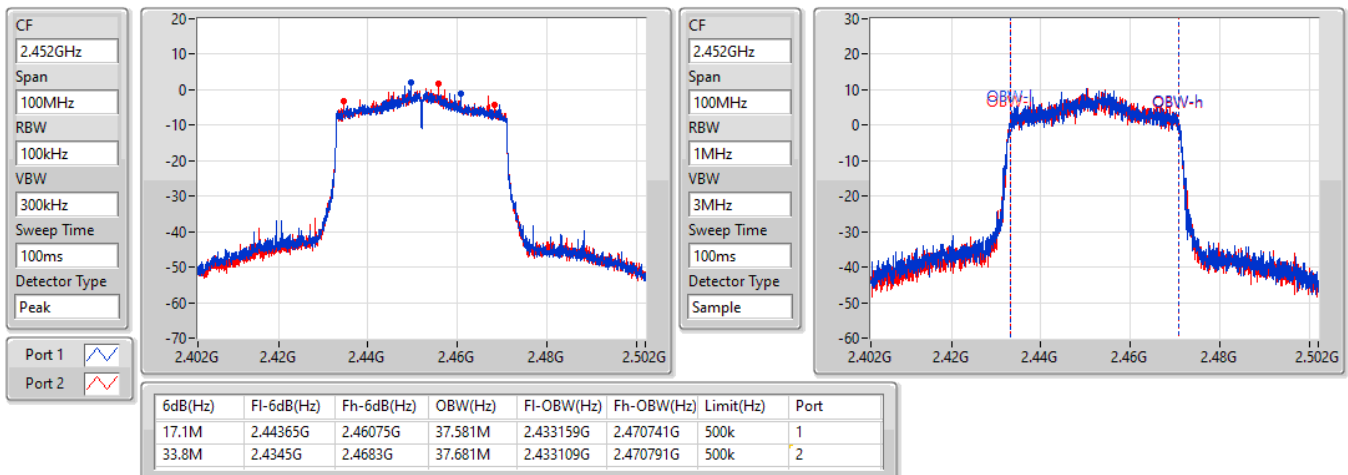


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
2437MHz

16/11/2021


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
2452MHz

16/11/2021





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.08	0.25586
802.11g_Nss1,(6Mbps)_2TX	23.12	0.20512
802.11ax HEW20_Nss1,(MCS0)_2TX	22.84	0.19231
802.11ax HEW40_Nss1,(MCS0)_2TX	20.21	0.10495



Average Power_Non-Beamforming

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.98	20.12	20.05	23.10	30.00
2417MHz	Pass	2.98	21.04	21.09	24.08	30.00
2437MHz	Pass	2.98	20.75	20.73	23.75	30.00
2457MHz	Pass	2.98	19.38	19.27	22.34	30.00
2462MHz	Pass	2.98	19.37	19.34	22.37	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.98	17.29	17.39	20.35	30.00
2417MHz	Pass	2.98	18.50	18.51	21.52	30.00
2437MHz	Pass	2.98	20.06	20.15	23.12	30.00
2457MHz	Pass	2.98	18.57	18.69	21.64	30.00
2462MHz	Pass	2.98	16.94	16.72	19.84	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.98	16.03	16.02	19.04	30.00
2417MHz	Pass	2.98	18.26	18.29	21.29	30.00
2437MHz	Pass	2.98	19.84	19.82	22.84	30.00
2457MHz	Pass	2.98	17.47	17.30	20.40	30.00
2462MHz	Pass	2.98	16.17	16.27	19.23	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.98	15.09	14.97	18.04	30.00
2427MHz	Pass	2.98	15.47	15.44	18.47	30.00
2437MHz	Pass	2.98	17.14	17.26	20.21	30.00
2447MHz	Pass	2.98	15.64	15.45	18.56	30.00
2452MHz	Pass	2.98	15.02	15.12	18.08	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.76	0.18880
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.13	0.10304

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.06	15.95	15.94	18.96	30.00
2417MHz	Pass	3.06	18.18	18.21	21.21	30.00
2437MHz	Pass	3.06	19.76	19.74	22.76	30.00
2457MHz	Pass	3.06	17.39	17.22	20.32	30.00
2462MHz	Pass	3.06	16.09	16.19	19.15	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.06	15.01	14.89	17.96	30.00
2427MHz	Pass	3.06	15.39	15.36	18.39	30.00
2437MHz	Pass	3.06	17.06	17.18	20.13	30.00
2447MHz	Pass	3.06	15.56	15.37	18.48	30.00
2452MHz	Pass	3.06	14.94	15.04	18.00	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-0.45
802.11g_Nss1,(6Mbps)_2TX	-4.48
802.11ax HEW20_Nss1,(MCS0)_2TX	-4.48
802.11ax HEW40_Nss1,(MCS0)_2TX	-8.74

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.06	-3.77	-3.50	-0.82	8.00
2437MHz	Pass	3.06	-4.63	-1.26	-0.45	8.00
2462MHz	Pass	3.06	-5.50	-3.85	-2.52	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.06	-9.98	-9.23	-7.57	8.00
2437MHz	Pass	3.06	-6.40	-6.95	-4.48	8.00
2462MHz	Pass	3.06	-10.82	-9.62	-7.92	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.06	-9.27	-9.92	-7.59	8.00
2437MHz	Pass	3.06	-6.82	-5.88	-4.48	8.00
2462MHz	Pass	3.06	-10.02	-10.78	-8.12	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.06	-12.88	-14.02	-11.38	8.00
2437MHz	Pass	3.06	-11.27	-9.24	-8.74	8.00
2452MHz	Pass	3.06	-13.98	-13.80	-11.82	8.00

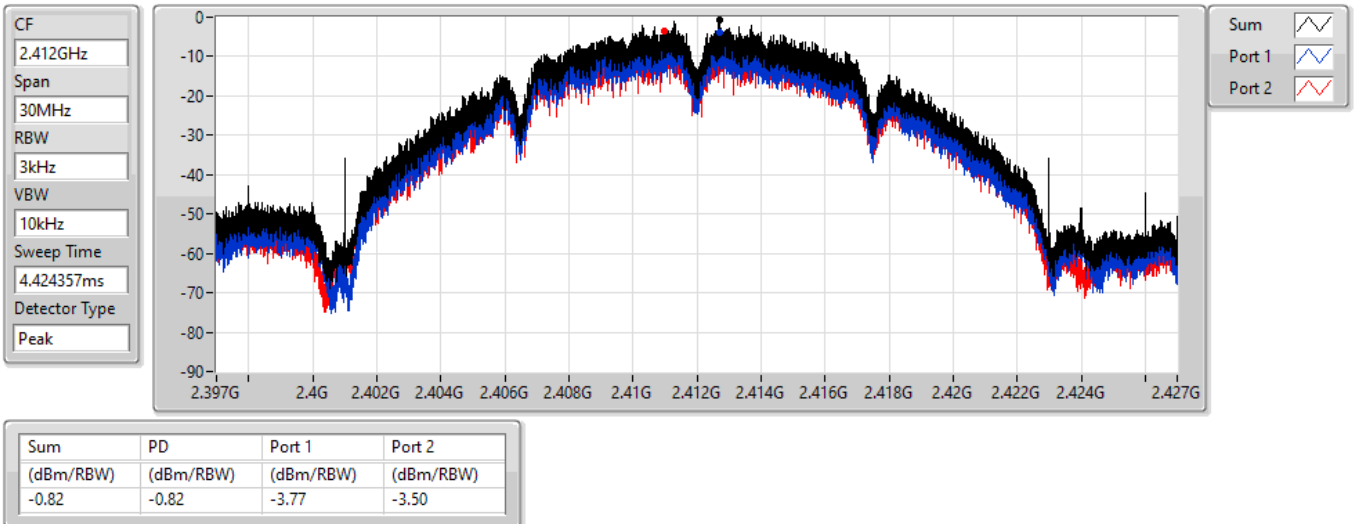
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_2TX

2412MHz

PSD

16/11/2021

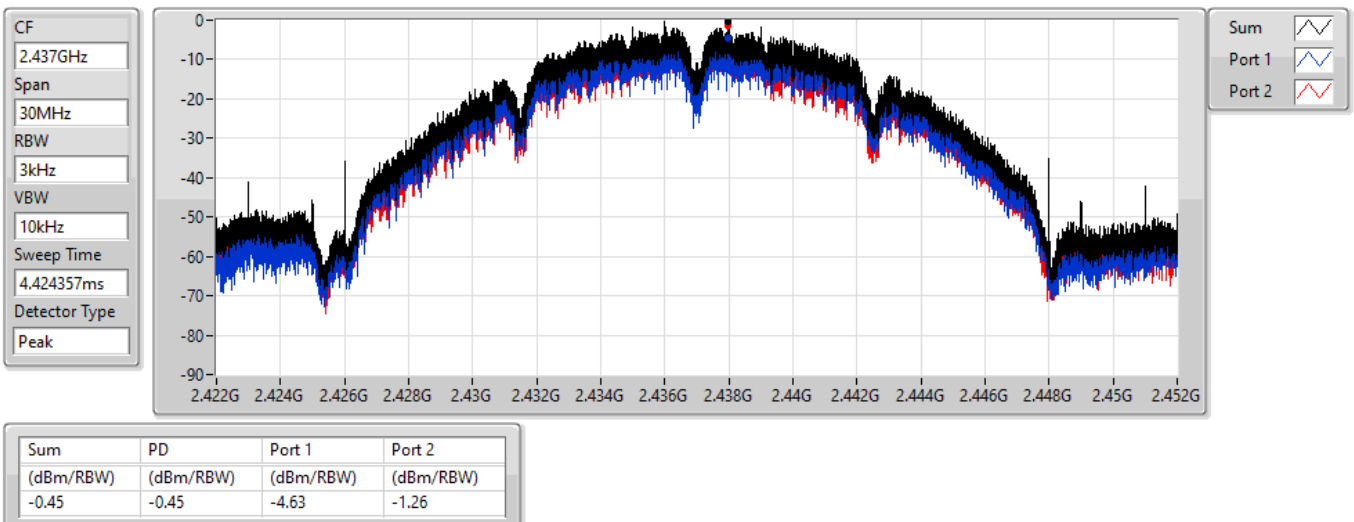


802.11b_Nss1,(1Mbps)_2TX

2437MHz

PSD

16/11/2021

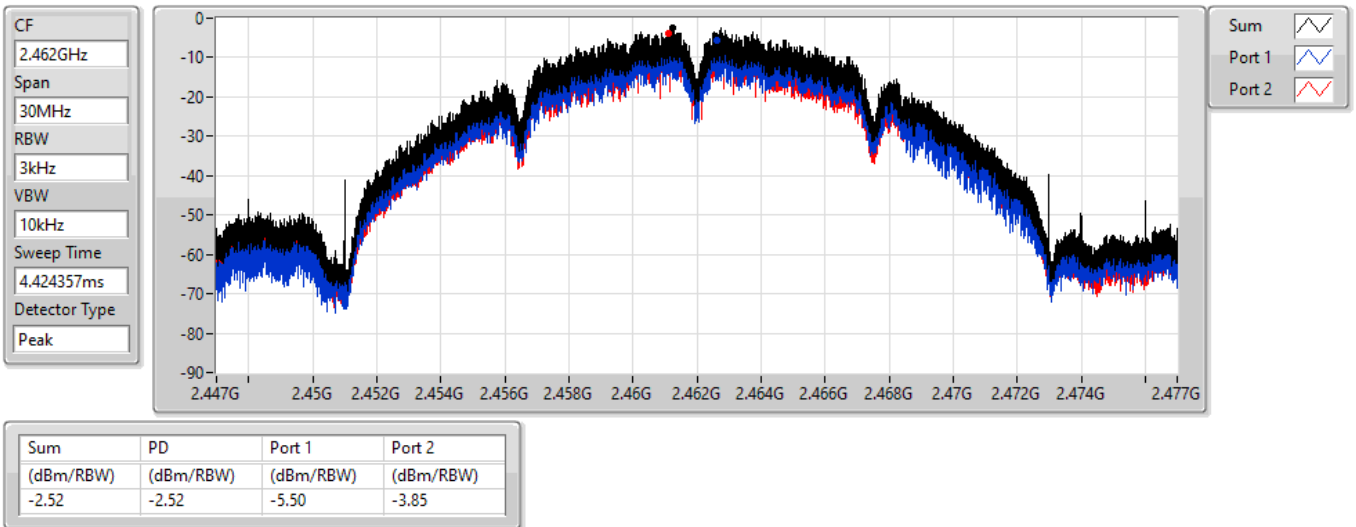


802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

16/11/2021

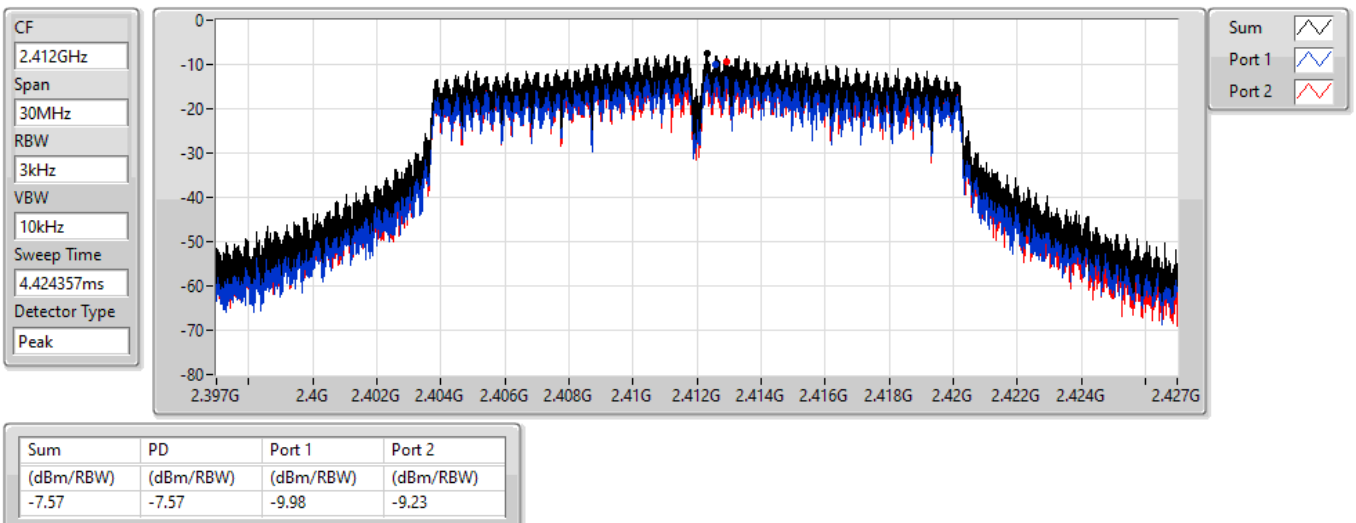


802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

16/11/2021

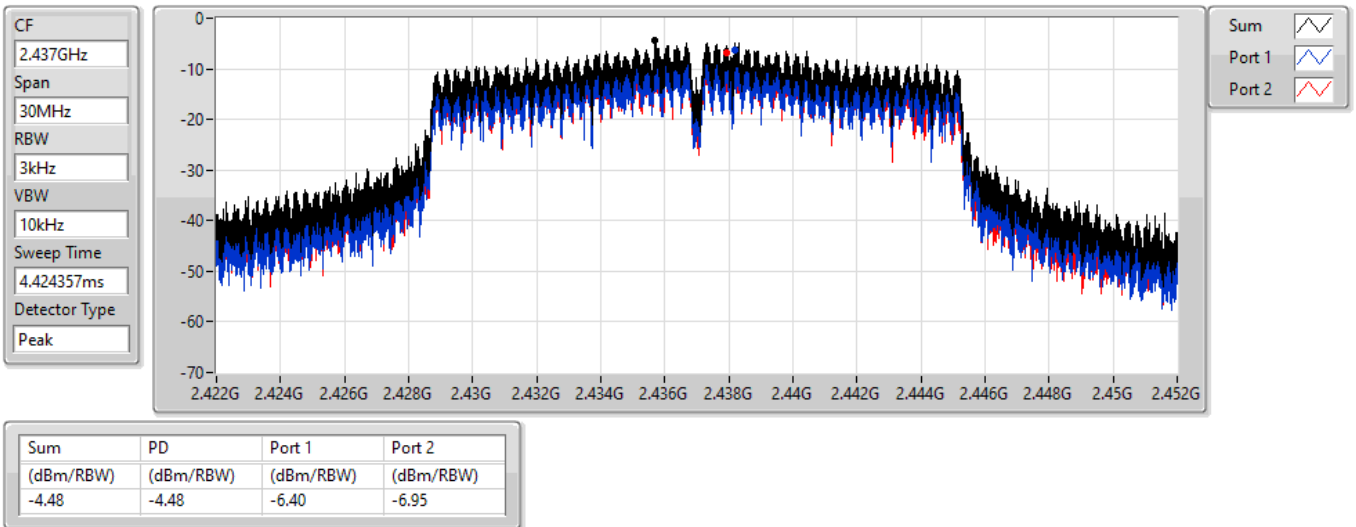


802.11g_Nss1,(6Mbps)_2TX

2437MHz

PSD

16/11/2021

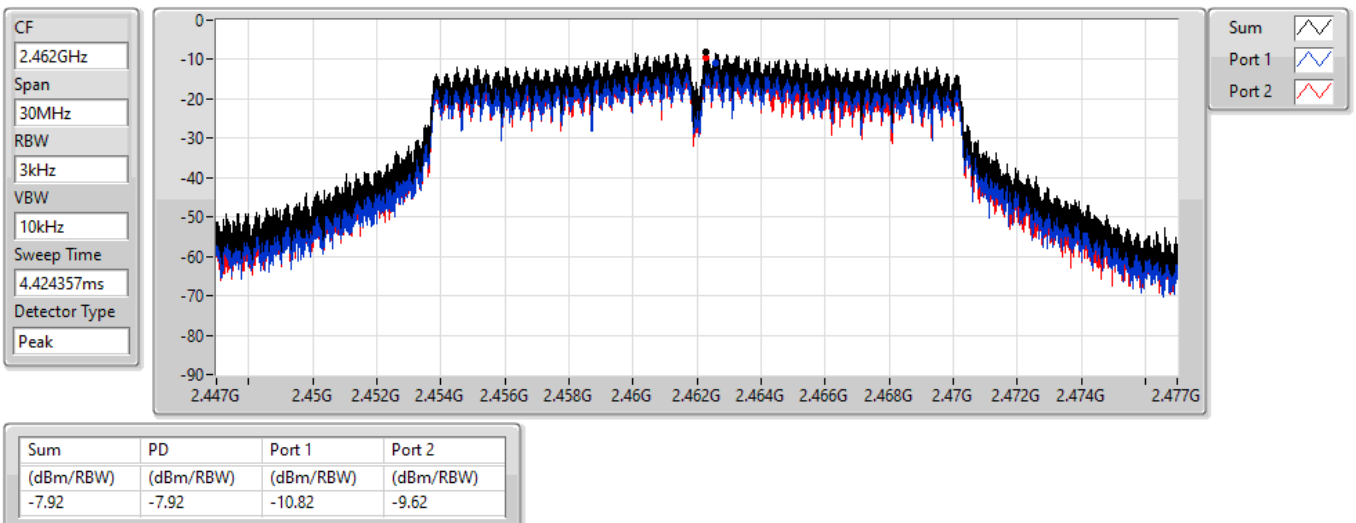


802.11g_Nss1,(6Mbps)_2TX

2462MHz

PSD

16/11/2021

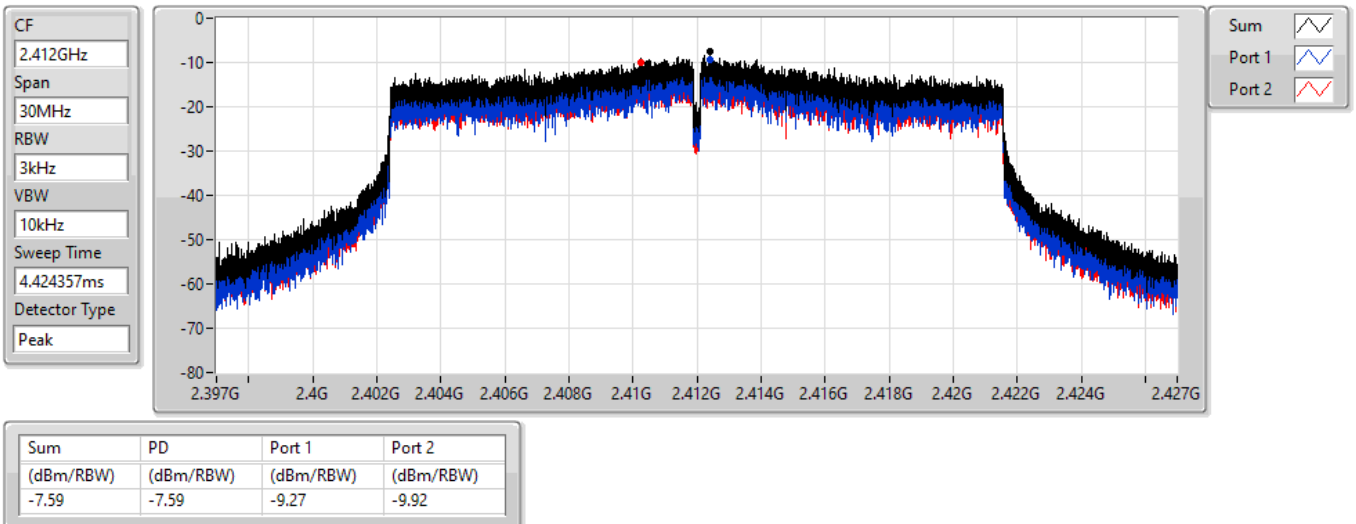


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

16/11/2021

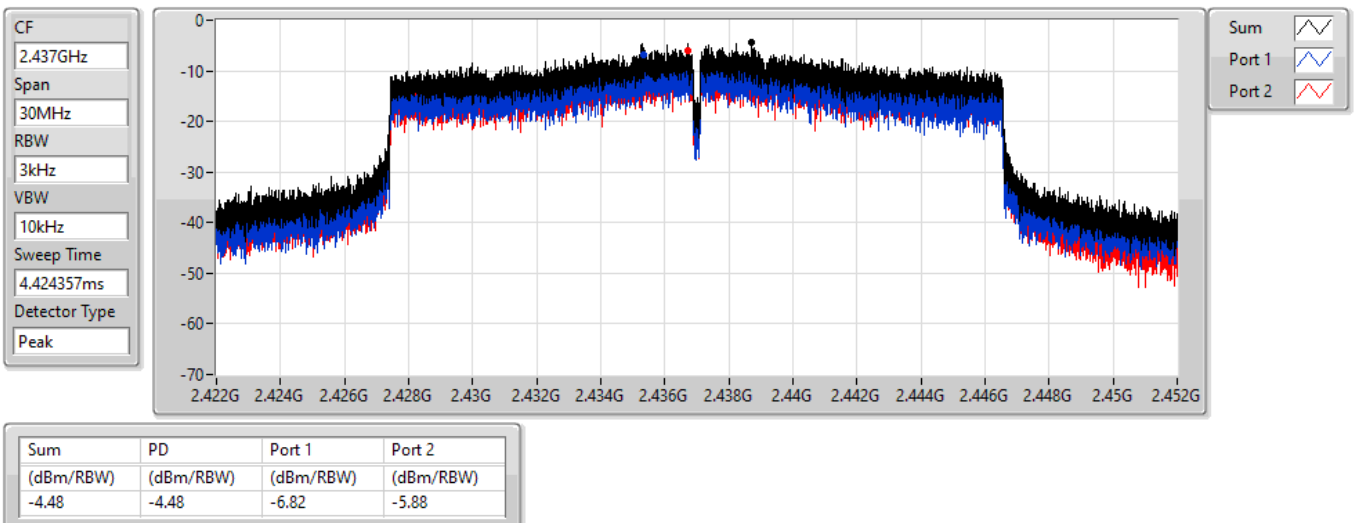


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

16/11/2021

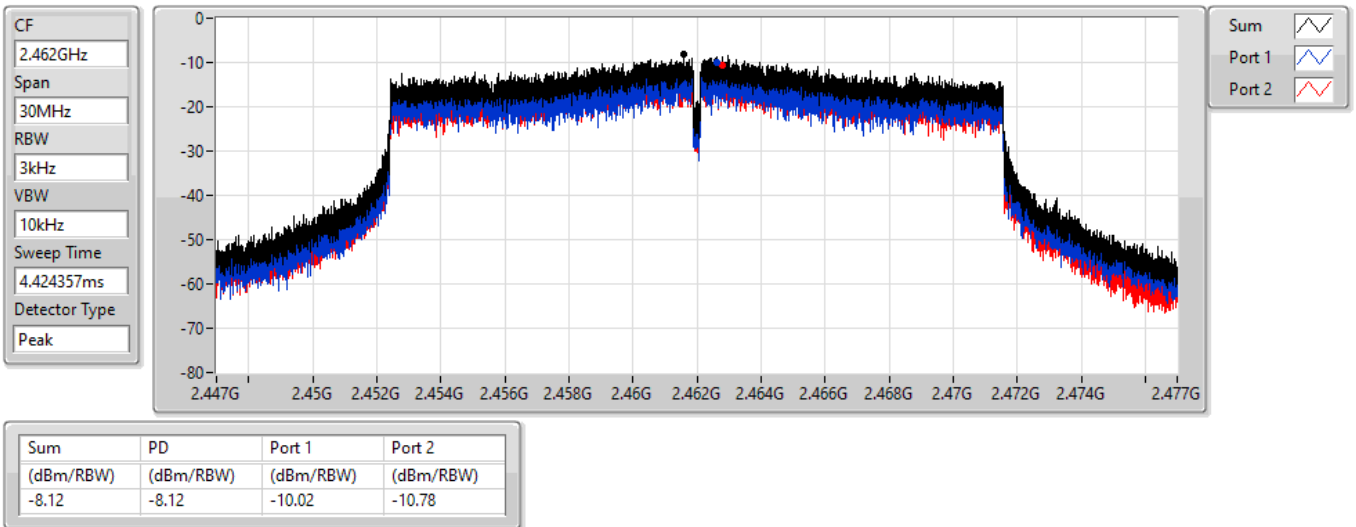


802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

PSD

16/11/2021

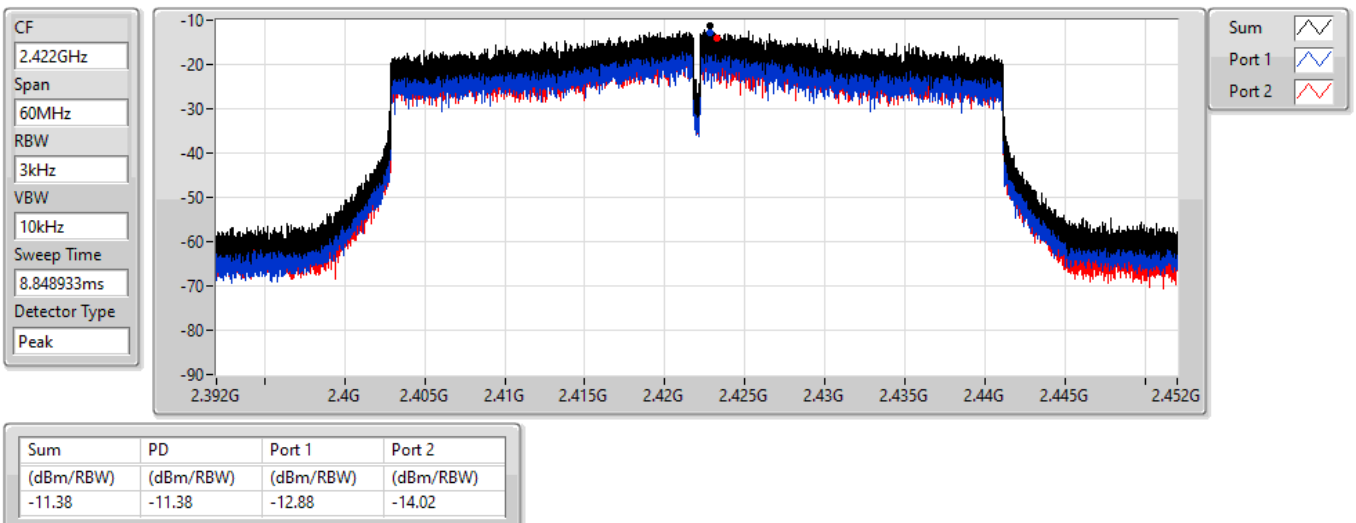


802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz

PSD

16/11/2021

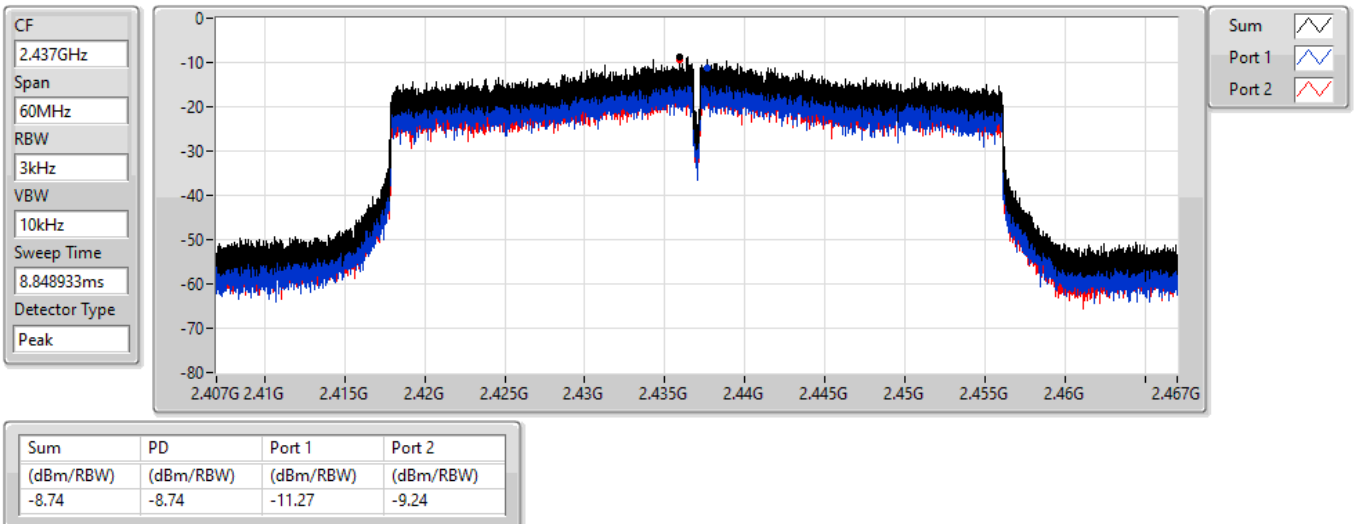


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

16/11/2021

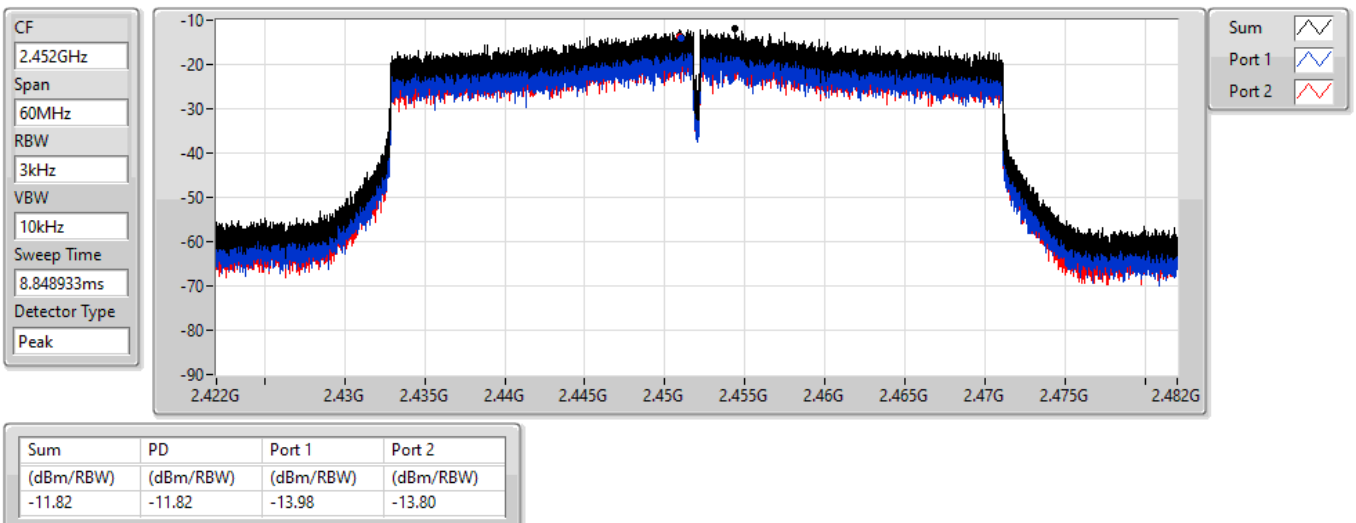


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

16/11/2021



**Summary**

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43599G	11.71	-18.29	2.17302G	-55.00	2.39852G	-32.43	2.4G	-35.29	2.50712G	-49.53	23.20469G	-41.67	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	9.72	-20.28	2.30991G	-55.50	2.39988G	-31.62	2.4G	-31.25	2.50642G	-51.59	24.77804G	-42.13	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43824G	10.16	-19.84	2.3035G	-54.54	2.39974G	-31.41	2.4G	-32.70	2.50704G	-52.49	24.95505G	-42.58	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.43449G	4.12	-25.88	1.92526G	-56.08	2.39832G	-35.56	2.4G	-38.96	2.48406G	-52.66	24.57932G	-42.17	1

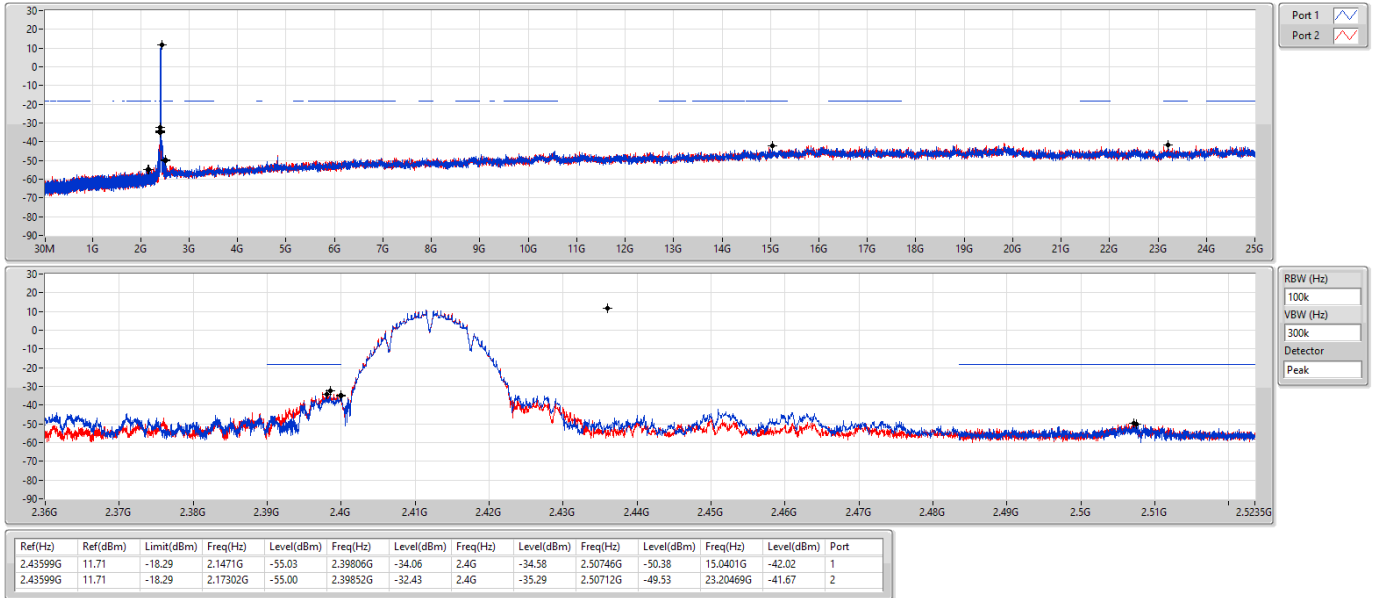
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	11.71	-18.29	2.1471G	-55.03	2.39806G	-34.06	2.4G	-34.58	2.50746G	-50.38	15.0401G	-42.02	1
2412MHz	Pass	2.43599G	11.71	-18.29	2.17302G	-55.00	2.39852G	-32.43	2.4G	-35.29	2.50712G	-49.53	23.20469G	-41.67	2
2437MHz	Pass	2.43599G	11.71	-18.29	2.127G	-55.38	2.39702G	-41.95	2.4835G	-44.74	2.486G	-41.25	16.2145G	-43.18	1
2437MHz	Pass	2.43599G	11.71	-18.29	2.13457G	-54.62	2.39698G	-48.49	2.4G	-49.78	2.486G	-50.76	24.47461G	-42.09	2
2462MHz	Pass	2.43599G	11.71	-18.29	2.16836G	-54.96	2.4G	-46.74	2.4G	-47.08	2.5G	-41.23	23.51936G	-42.87	1
2462MHz	Pass	2.43599G	11.71	-18.29	2.16807G	-55.82	2.4G	-50.29	2.4G	-51.42	2.502G	-42.53	24.19085G	-42.20	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	9.72	-20.28	2.30554G	-55.76	2.3999G	-32.35	2.4G	-32.16	2.50588G	-51.68	17.18942G	-42.43	1
2412MHz	Pass	2.43824G	9.72	-20.28	2.30991G	-55.50	2.39988G	-31.62	2.4G	-31.25	2.50642G	-51.59	24.77804G	-42.13	2
2437MHz	Pass	2.43824G	9.72	-20.28	2.30525G	-53.27	2.39952G	-43.91	2.4G	-46.22	2.4844G	-47.95	17.46194G	-42.36	1
2437MHz	Pass	2.43824G	9.72	-20.28	2.30525G	-54.78	2.39926G	-41.94	2.4G	-45.41	2.48818G	-48.11	24.56733G	-42.37	2
2462MHz	Pass	2.43824G	9.72	-20.28	2.30641G	-54.87	2.39858G	-52.07	2.4835G	-47.91	2.48414G	-43.75	17.15289G	-42.82	1
2462MHz	Pass	2.43824G	9.72	-20.28	2.16807G	-55.87	2.39634G	-52.40	2.4835G	-47.98	2.48446G	-45.48	16.93656G	-42.70	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	10.16	-19.84	2.30932G	-54.94	2.39982G	-32.40	2.4G	-33.35	2.48682G	-51.76	17.47318G	-42.90	1
2412MHz	Pass	2.43824G	10.16	-19.84	2.3035G	-54.54	2.39974G	-31.41	2.4G	-32.70	2.50704G	-52.49	24.95505G	-42.58	2
2437MHz	Pass	2.43824G	10.16	-19.84	1.62285G	-56.03	2.39952G	-36.56	2.4G	-37.02	2.4839G	-44.12	17.62771G	-42.07	1
2437MHz	Pass	2.43824G	10.16	-19.84	2.17302G	-53.96	2.39766G	-38.91	2.4G	-40.90	2.48474G	-45.16	24.78928G	-42.50	2
2462MHz	Pass	2.43824G	10.16	-19.84	2.08477G	-55.65	2.3999G	-52.98	2.4835G	-46.11	2.4837G	-44.39	24.87638G	-42.75	1
2462MHz	Pass	2.43824G	10.16	-19.84	2.16748G	-55.66	2.3946G	-51.47	2.4835G	-45.63	2.48356G	-43.46	24.15713G	-41.89	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43449G	4.12	-25.88	1.92526G	-56.08	2.39832G	-35.56	2.4G	-38.96	2.48406G	-52.66	24.57932G	-42.17	1
2422MHz	Pass	2.43449G	4.12	-25.88	2.14224G	-54.95	2.39996G	-37.48	2.4G	-39.68	2.5375G	-52.15	24.80649G	-42.60	2
2437MHz	Pass	2.43449G	4.12	-25.88	2.30912G	-52.70	2.39204G	-37.91	2.4G	-39.88	2.48438G	-43.56	24.20911G	-41.99	1
2437MHz	Pass	2.43449G	4.12	-25.88	2.30197G	-53.88	2.3982G	-36.98	2.4G	-38.15	2.48398G	-42.50	24.06889G	-41.93	2
2452MHz	Pass	2.43449G	4.12	-25.88	2.30941G	-53.62	2.39972G	-50.42	2.4835G	-45.60	2.48446G	-40.96	24.06608G	-41.70	1
2452MHz	Pass	2.43449G	4.12	-25.88	2.1348G	-55.15	2.39968G	-51.18	2.4835G	-46.71	2.48414G	-42.95	16.23294G	-41.70	2

802.11b_Nss1,(1Mbps)_2TX

CSENdB

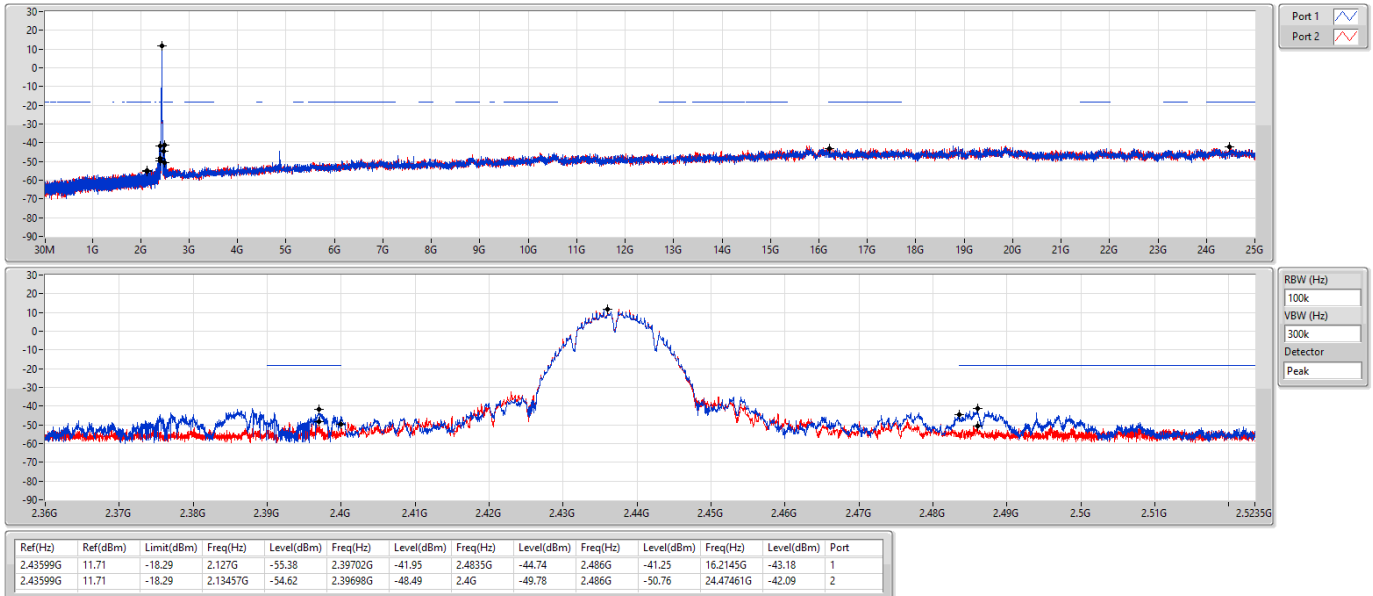
2412MHz



802.11b_Nss1,(1Mbps)_2TX

CSENdB

2437MHz

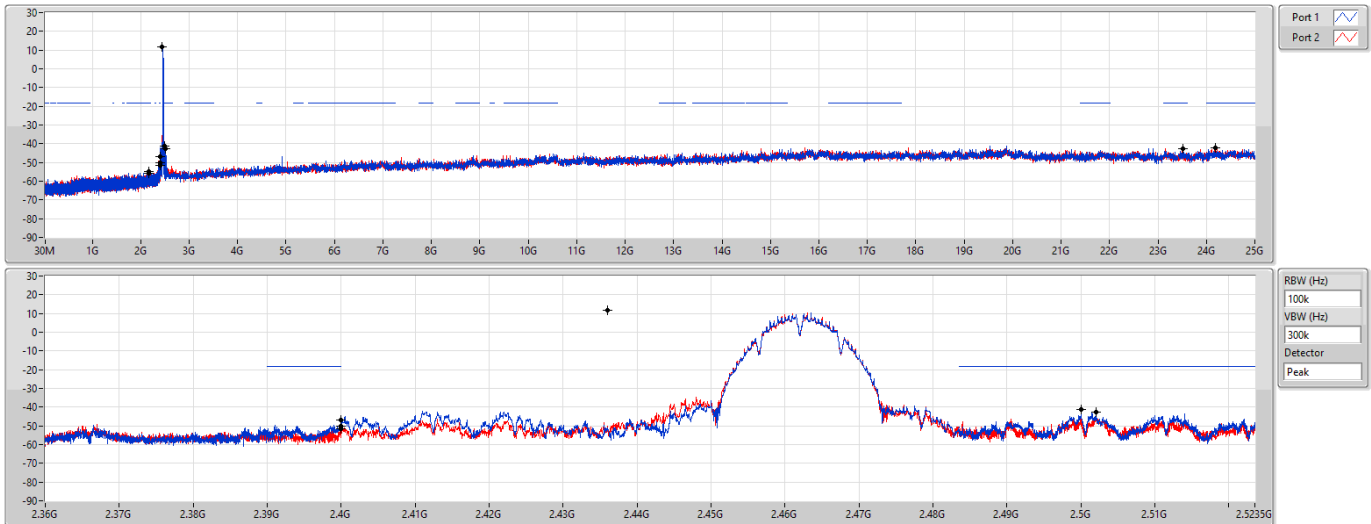


802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSENdB

16/11/2021



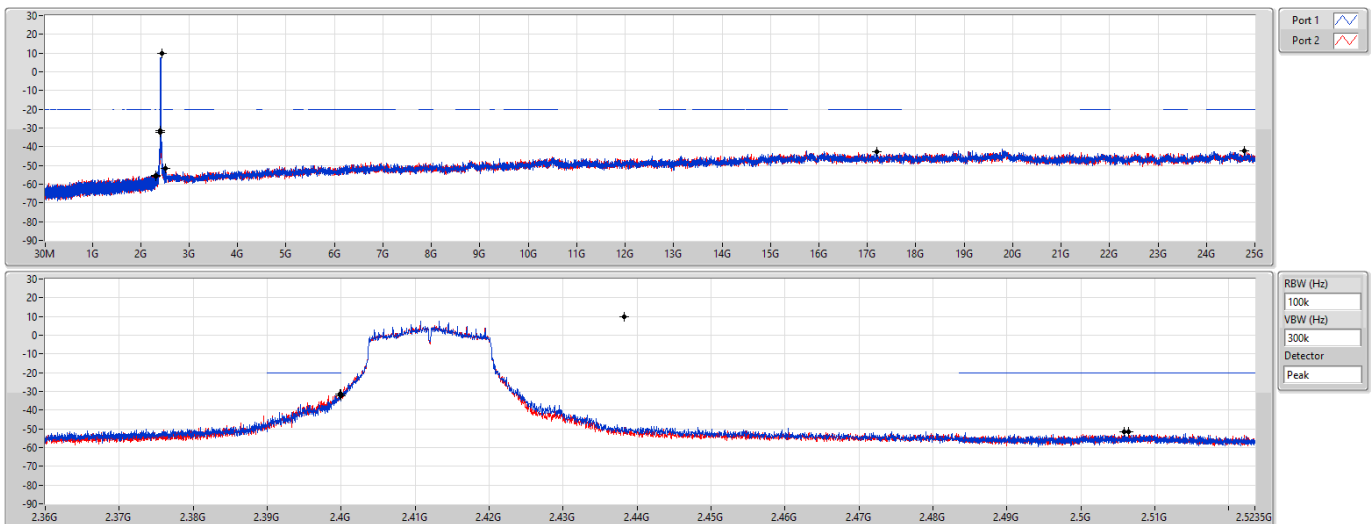
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	11.71	-18.29	2.16836G	-54.96	2.4G	-46.74	2.4G	-47.08	2.5G	-41.23	23.51936G	-42.87	1
2.43599G	11.71	-18.29	2.16807G	-55.82	2.4G	-50.29	2.4G	-51.42	2.502G	-42.53	24.19085G	-42.20	2

802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSENdB

16/11/2021



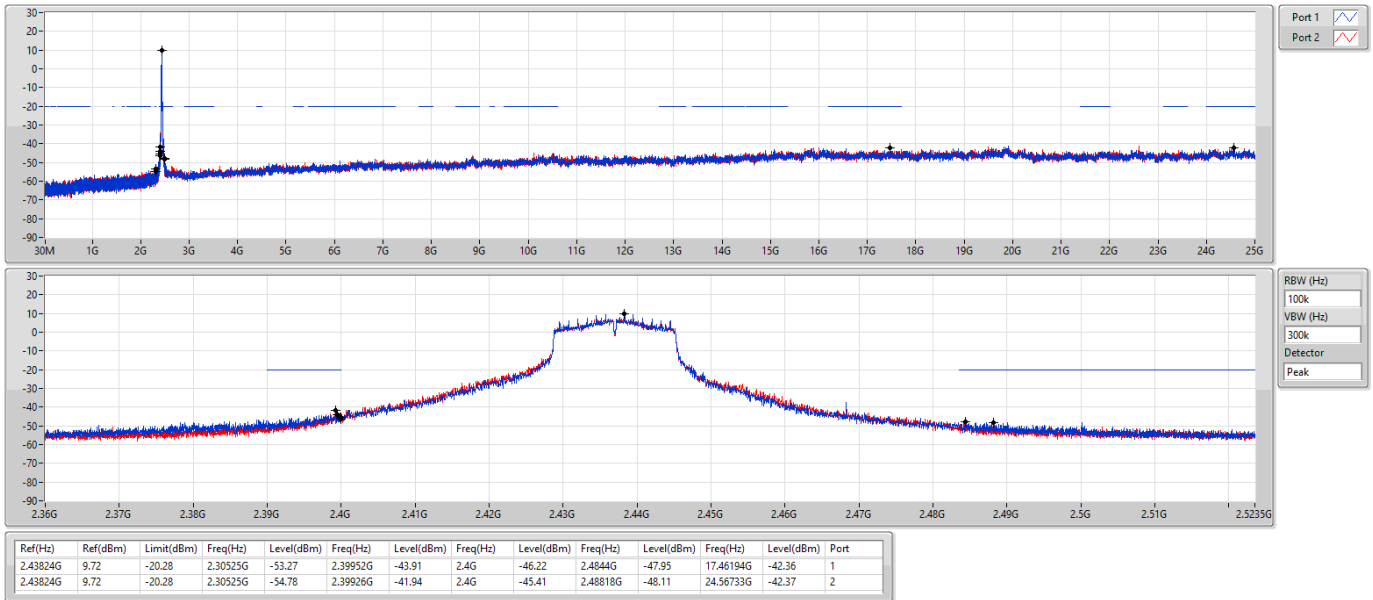
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2.43824G	9.72	-20.28	2.30554G	-55.76	2.3999G	-32.35	2.4G	-32.16	2.50588G	-51.68	17.18942G	-42.43	1
2.43824G	9.72	-20.28	2.30991G	-55.50	2.39988G	-31.62	2.4G	-31.25	2.50642G	-51.59	24.77804G	-42.13	2

802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSEndB

16/11/2021

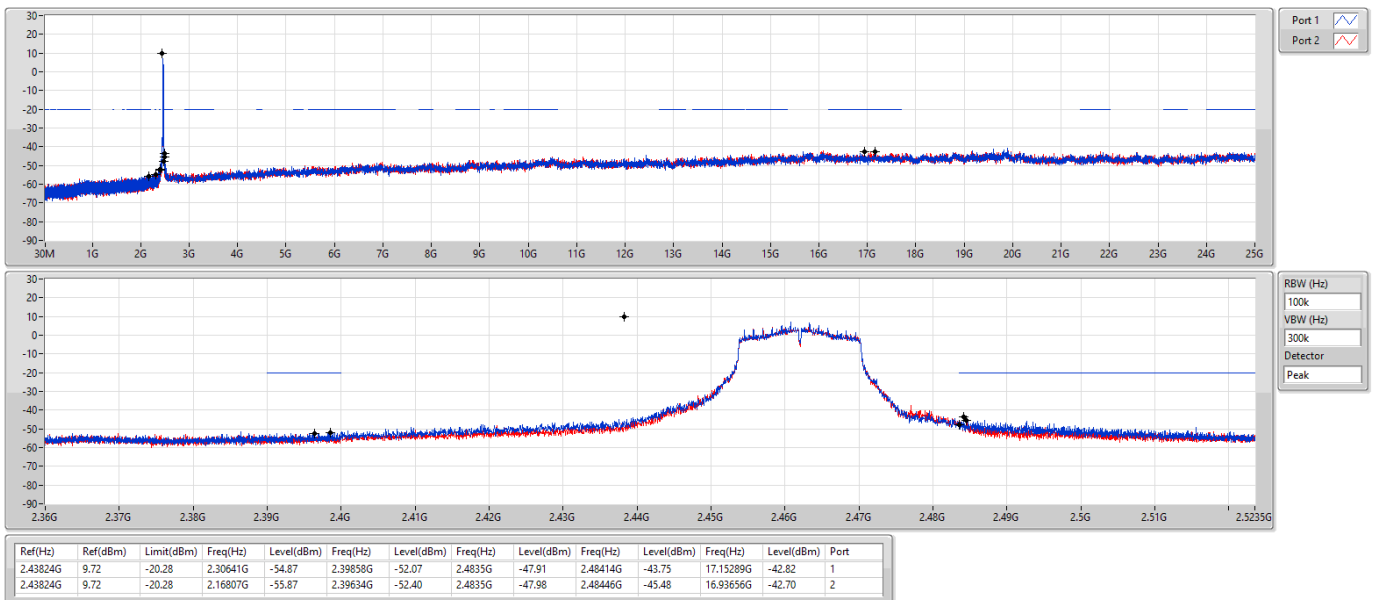


802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSEndB

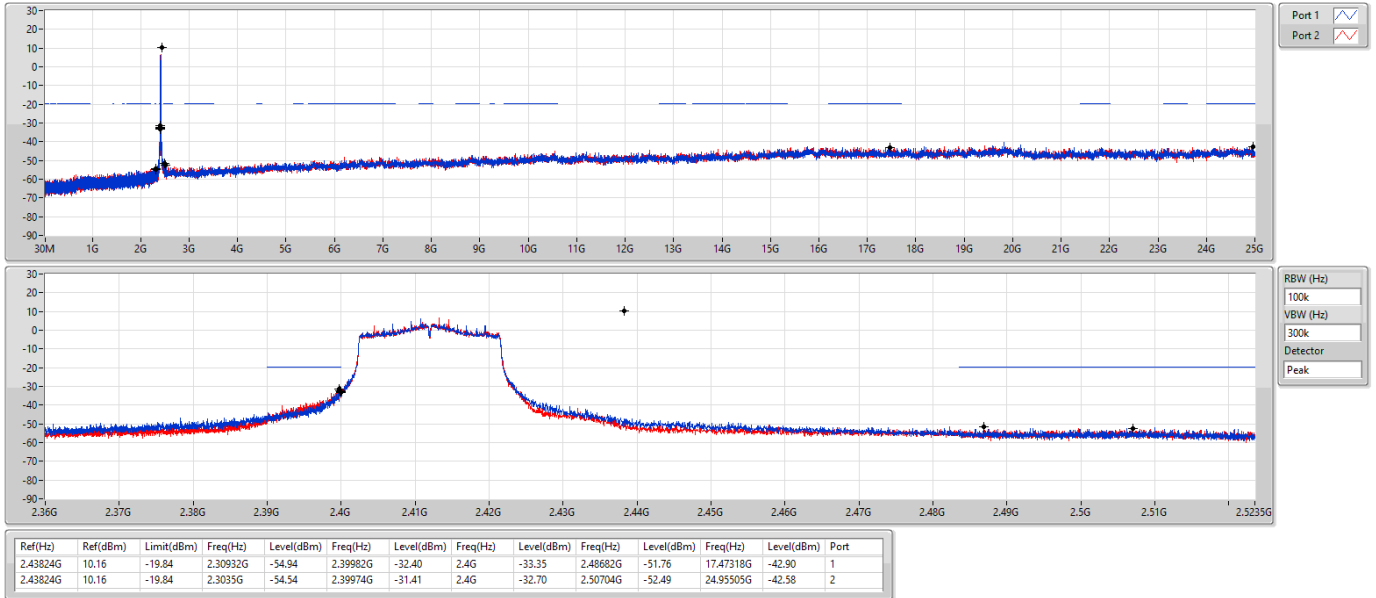
16/11/2021



802.11ax HEW20_Nss1,(MCS0)_2TX

CSENdB

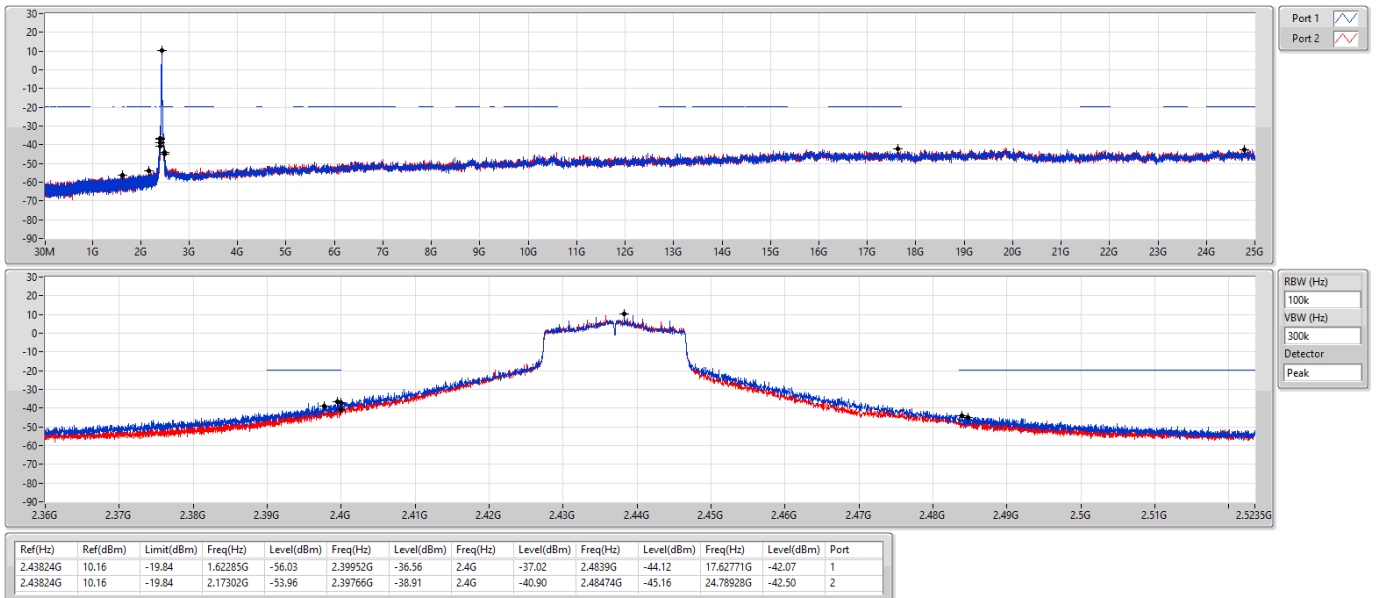
2412MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSENdB

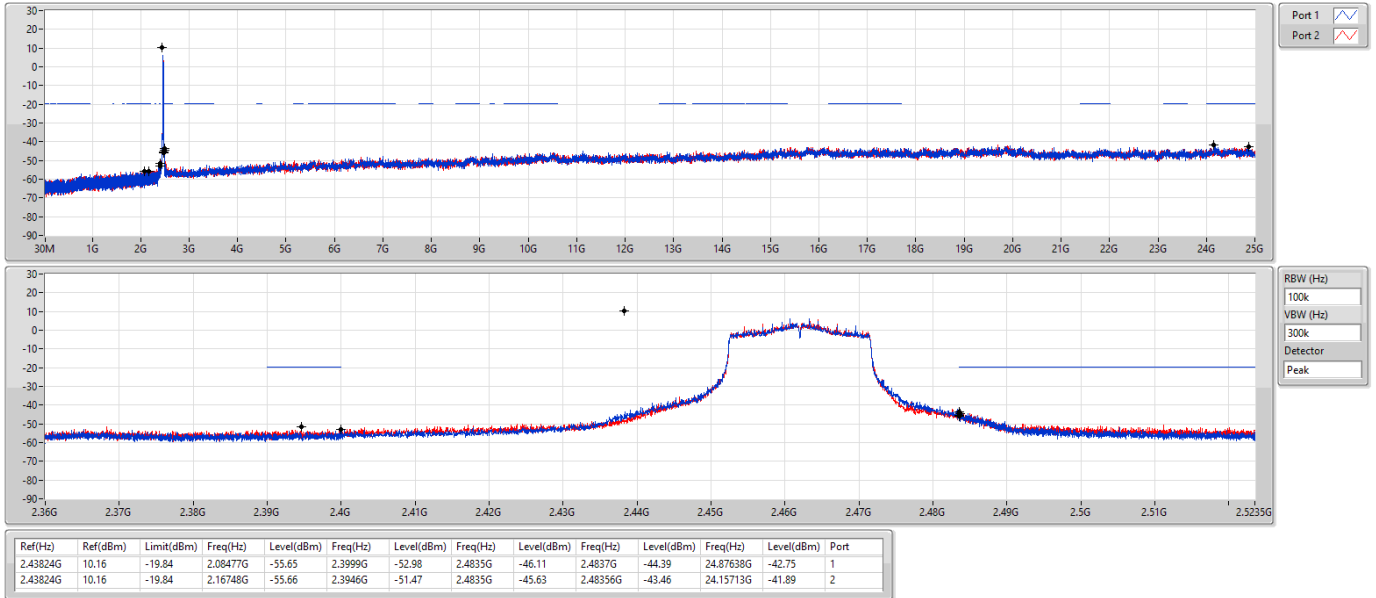
2437MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

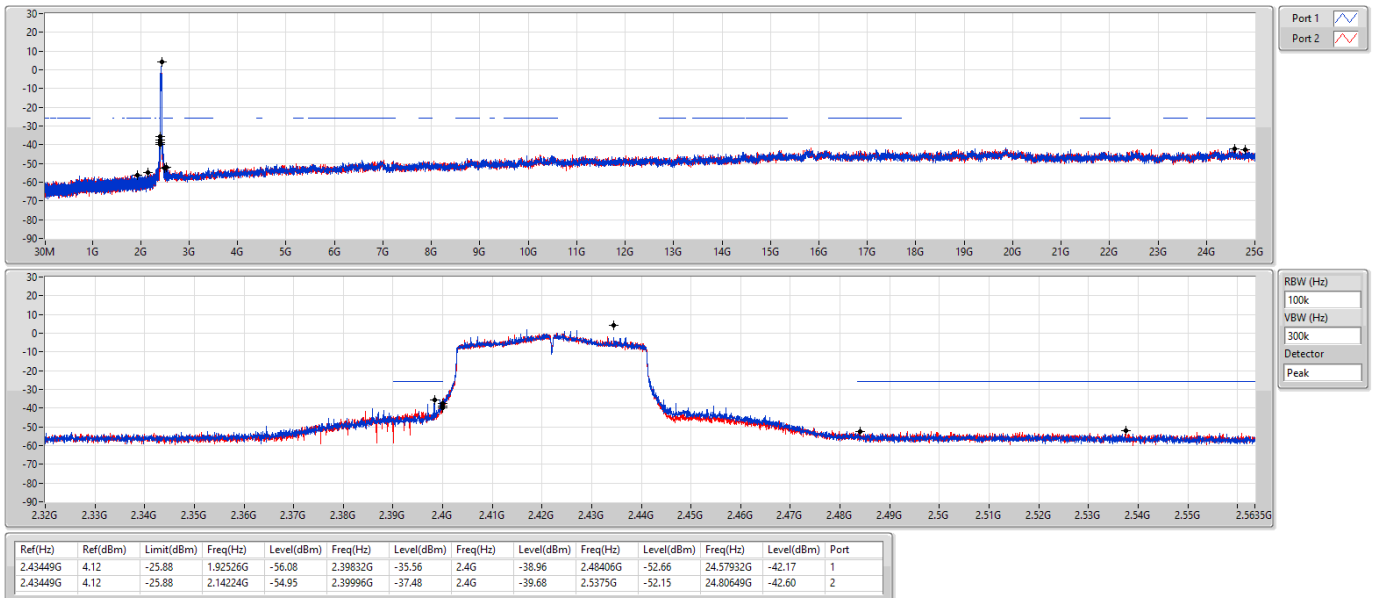
CSENdB



802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz

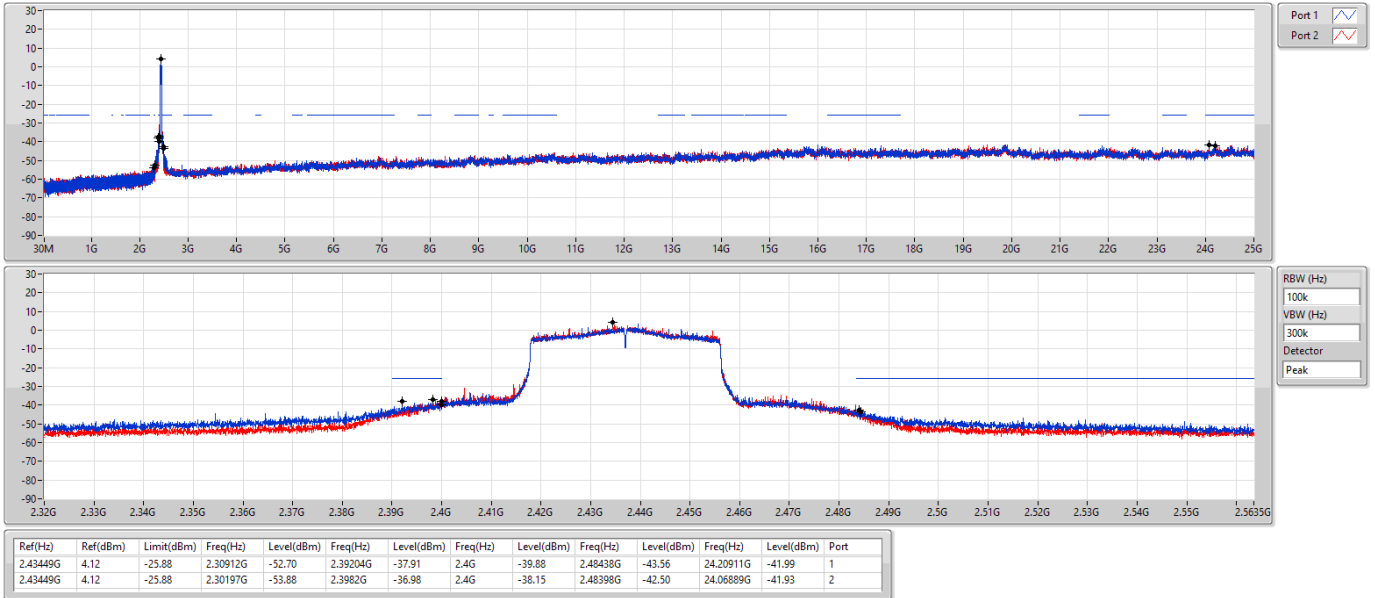
CSENdB



802.11ax HEW40_Nss1,(MCS0)_2TX

CSENdB

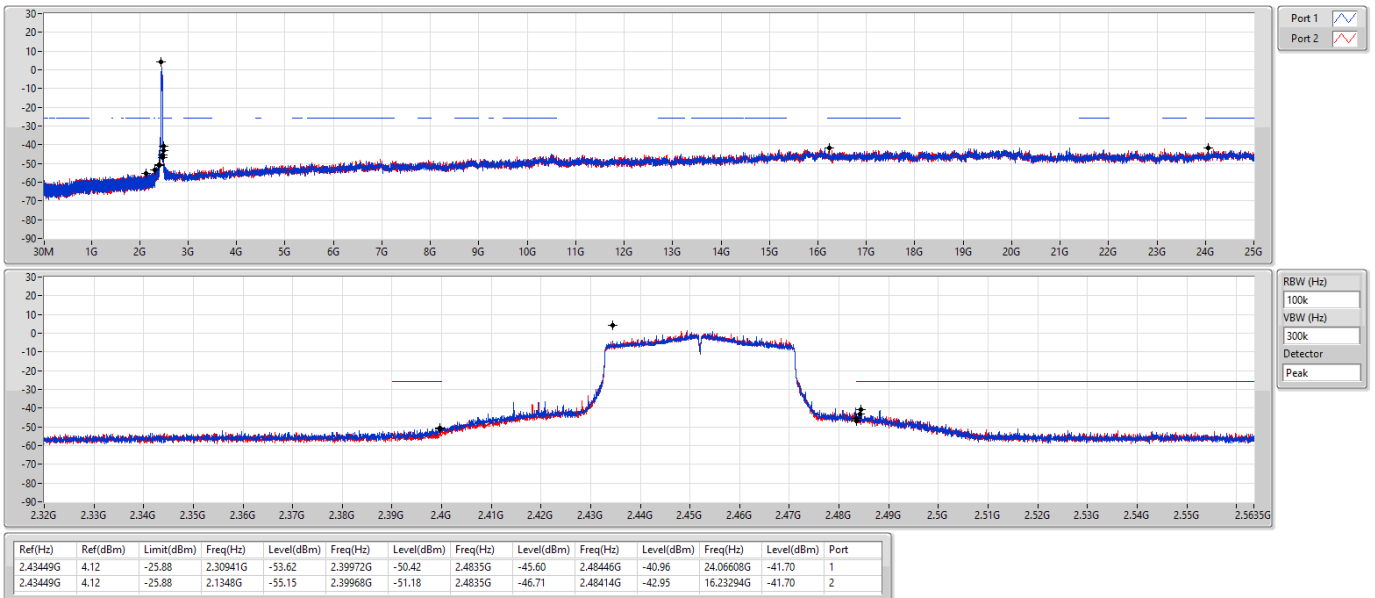
2437MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSENdB

2452MHz





Summary

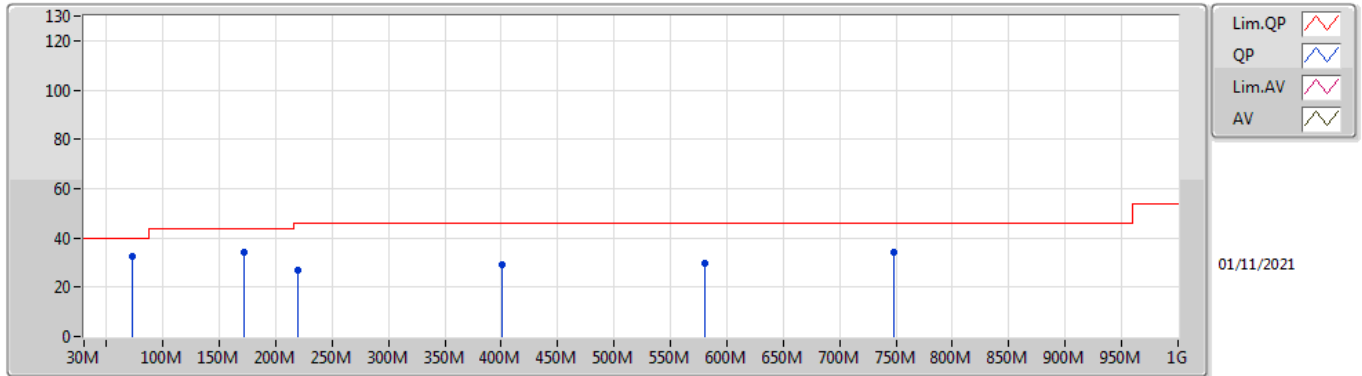
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	72.68M	32.49	40.00	-7.51	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz_Adapter	Pass	PK	72.68M	32.49	40.00	-7.51	3	Vertical	0	1.00	-
2437MHz_Adapter	Pass	PK	171.62M	33.95	43.50	-9.55	3	Vertical	0	1.00	-
2437MHz_Adapter	Pass	PK	220.12M	26.62	46.00	-19.38	3	Vertical	0	1.00	-
2437MHz_Adapter	Pass	PK	400.54M	29.22	46.00	-16.78	3	Vertical	0	1.00	-
2437MHz_Adapter	Pass	PK	580.96M	29.70	46.00	-16.30	3	Vertical	0	1.00	-
2437MHz_Adapter	Pass	PK	747.8M	34.02	46.00	-11.98	3	Vertical	0	1.00	-
2437MHz_Adapter	Pass	PK	74.62M	29.12	40.00	-10.88	3	Horizontal	360	1.00	-
2437MHz_Adapter	Pass	PK	150.28M	29.46	43.50	-14.04	3	Horizontal	360	1.00	-
2437MHz_Adapter	Pass	PK	218.18M	27.74	46.00	-18.26	3	Horizontal	360	1.00	-
2437MHz_Adapter	Pass	PK	400.54M	29.93	46.00	-16.07	3	Horizontal	360	1.00	-
2437MHz_Adapter	Pass	PK	734.22M	32.31	46.00	-13.69	3	Horizontal	360	1.00	-
2437MHz_Adapter	Pass	PK	788.54M	30.41	46.00	-15.59	3	Horizontal	360	1.00	-

802.11ax HEW40_Nss1,(MCS0)_2TX

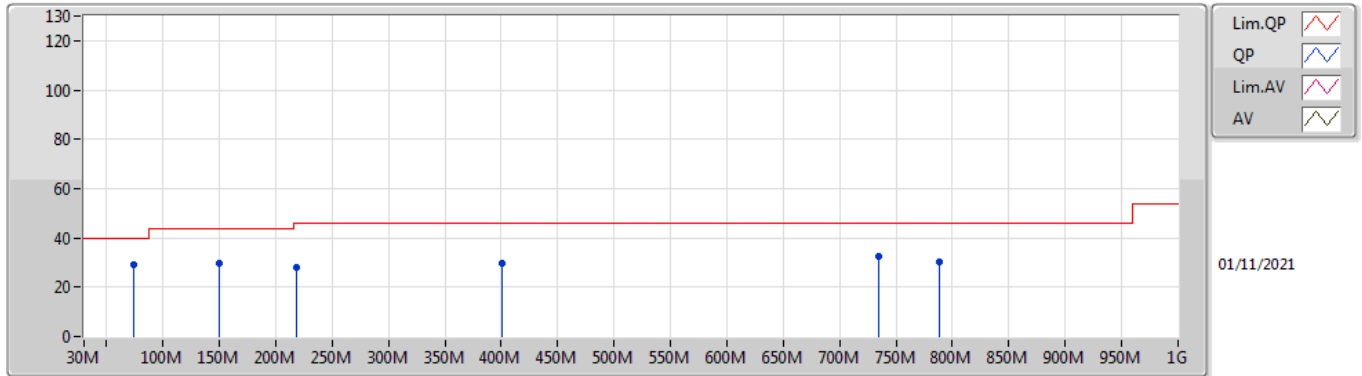
2437MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	72.68M	32.49	40.00	-7.51	-14.69	3	Vertical	0	1.00	-	47.18	11.46	1.42	27.57
PK	171.62M	33.95	43.50	-9.55	-10.15	3	Vertical	0	1.00	-	44.10	14.82	2.20	27.17
PK	220.12M	26.62	46.00	-19.38	-10.02	3	Vertical	0	1.00	-	36.64	14.39	2.51	26.92
PK	400.54M	29.22	46.00	-16.78	-2.77	3	Vertical	0	1.00	-	31.99	21.05	3.45	27.27
PK	580.96M	29.70	46.00	-16.30	0.10	3	Vertical	0	1.00	-	29.60	23.91	4.27	28.08
PK	747.8M	34.02	46.00	-11.98	1.68	3	Vertical	0	1.00	-	32.34	24.87	4.79	27.98

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	74.62M	29.12	40.00	-10.88	-14.53	3	Horizontal	360	1.00	-	43.65	11.61	1.43	27.57
PK	150.28M	29.46	43.50	-14.04	-9.58	3	Horizontal	360	1.00	-	39.04	15.60	2.06	27.24
PK	218.18M	27.74	46.00	-18.26	-10.14	3	Horizontal	360	1.00	-	37.88	14.29	2.50	26.93
PK	400.54M	29.93	46.00	-16.07	-2.77	3	Horizontal	360	1.00	-	32.70	21.05	3.45	27.27
PK	734.22M	32.31	46.00	-13.69	1.50	3	Horizontal	360	1.00	-	30.81	24.75	4.75	28.00
PK	788.54M	30.41	46.00	-15.59	2.20	3	Horizontal	360	1.00	-	28.21	25.05	5.06	27.91

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	4.83398G	53.43	54.00	-0.57	3	Vertical	91	1.54	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4835G	53.72	54.00	-0.28	3	Vertical	284	2.24	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.70	54.00	-0.30	3	Vertical	266	2.03	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.70	54.00	-0.30	3	Vertical	242	1.97	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1.(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3834G	52.96	54.00	-1.04	3	Vertical	268	2.05	-
2412MHz	Pass	AV	2.4112G	111.24	Inf	-Inf	3	Vertical	268	2.05	-
2412MHz	Pass	PK	2.3854G	61.63	74.00	-12.37	3	Vertical	268	2.05	-
2412MHz	Pass	PK	2.4112G	113.69	Inf	-Inf	3	Vertical	268	2.05	-
2412MHz	Pass	AV	2.363G	49.61	54.00	-4.39	3	Horizontal	123	2.53	-
2412MHz	Pass	AV	2.4128G	107.93	Inf	-Inf	3	Horizontal	123	2.53	-
2412MHz	Pass	PK	2.3714G	60.12	74.00	-13.88	3	Horizontal	123	2.53	-
2412MHz	Pass	PK	2.413G	110.34	Inf	-Inf	3	Horizontal	123	2.53	-
2412MHz	Pass	AV	4.82396G	53.15	54.00	-0.85	3	Vertical	91	1.62	-
2412MHz	Pass	PK	4.82402G	53.27	74.00	-18.73	3	Vertical	91	1.62	-
2412MHz	Pass	AV	4.82396G	50.14	54.00	-3.86	3	Horizontal	355	2.51	-
2412MHz	Pass	PK	4.82388G	52.74	74.00	-21.26	3	Horizontal	355	2.51	-
2417MHz	Pass	AV	2.39G	52.13	54.00	-1.87	3	Vertical	121	1.88	-
2417MHz	Pass	AV	2.416G	112.32	Inf	-Inf	3	Vertical	121	1.88	-
2417MHz	Pass	PK	2.381G	59.67	74.00	-14.33	3	Vertical	121	1.88	-
2417MHz	Pass	PK	2.4162G	113.65	Inf	-Inf	3	Vertical	121	1.88	-
2417MHz	Pass	AV	2.3898G	51.01	54.00	-2.99	3	Horizontal	139	2.01	-
2417MHz	Pass	AV	2.4178G	106.71	Inf	-Inf	3	Horizontal	139	2.01	-
2417MHz	Pass	PK	2.3894G	59.95	74.00	-14.05	3	Horizontal	139	2.01	-
2417MHz	Pass	PK	2.4178G	108.99	Inf	-Inf	3	Horizontal	139	2.01	-
2417MHz	Pass	AV	4.83398G	53.43	54.00	-0.57	3	Vertical	91	1.54	-
2417MHz	Pass	PK	4.83392G	55.45	74.00	-18.55	3	Vertical	91	1.54	-
2417MHz	Pass	AV	4.83402G	49.84	54.00	-4.16	3	Horizontal	230	3.00	-
2417MHz	Pass	PK	4.83404G	52.68	74.00	-21.32	3	Horizontal	230	3.00	-
2437MHz	Pass	AV	2.3862G	50.98	54.00	-3.02	3	Vertical	267	1.90	-
2437MHz	Pass	AV	2.4358G	112.34	Inf	-Inf	3	Vertical	267	1.90	-
2437MHz	Pass	AV	2.4878G	53.12	54.00	-0.88	3	Vertical	267	1.90	-
2437MHz	Pass	PK	2.3866G	60.23	74.00	-13.77	3	Vertical	267	1.90	-
2437MHz	Pass	PK	2.4378G	114.57	Inf	-Inf	3	Vertical	267	1.90	-
2437MHz	Pass	PK	2.4854G	61.68	74.00	-12.32	3	Vertical	267	1.90	-
2437MHz	Pass	AV	2.3862G	49.86	54.00	-4.14	3	Horizontal	123	2.26	-
2437MHz	Pass	AV	2.4378G	109.89	Inf	-Inf	3	Horizontal	123	2.26	-
2437MHz	Pass	AV	2.4878G	52.99	54.00	-1.01	3	Horizontal	123	2.26	-
2437MHz	Pass	PK	2.389G	59.28	74.00	-14.72	3	Horizontal	123	2.26	-
2437MHz	Pass	PK	2.4362G	112.27	Inf	-Inf	3	Horizontal	123	2.26	-
2437MHz	Pass	PK	2.4858G	61.53	74.00	-12.47	3	Horizontal	123	2.26	-
2437MHz	Pass	AV	4.87396G	53.37	54.00	-0.63	3	Vertical	94	1.50	-
2437MHz	Pass	PK	4.87388G	55.45	74.00	-18.55	3	Vertical	94	1.50	-
2437MHz	Pass	AV	4.87396G	50.27	54.00	-3.73	3	Horizontal	230	2.88	-
2437MHz	Pass	PK	4.87392G	53.34	74.00	-20.66	3	Horizontal	230	2.88	-
2457MHz	Pass	AV	2.4558G	109.51	Inf	-Inf	3	Vertical	197	2.75	-
2457MHz	Pass	AV	2.4966G	50.38	54.00	-3.62	3	Vertical	197	2.75	-
2457MHz	Pass	PK	2.4578G	111.81	Inf	-Inf	3	Vertical	197	2.75	-
2457MHz	Pass	PK	2.4932G	60.41	74.00	-13.59	3	Vertical	197	2.75	-
2457MHz	Pass	AV	2.456G	107.45	Inf	-Inf	3	Horizontal	149	2.22	-
2457MHz	Pass	AV	2.4964G	49.63	54.00	-4.37	3	Horizontal	149	2.22	-
2457MHz	Pass	PK	2.4562G	109.30	Inf	-Inf	3	Horizontal	149	2.22	-
2457MHz	Pass	PK	2.4966G	60.30	74.00	-13.70	3	Horizontal	149	2.22	-
2457MHz	Pass	AV	4.914G	52.79	54.00	-1.21	3	Vertical	94	1.21	-
2457MHz	Pass	PK	4.91394G	55.18	74.00	-18.82	3	Vertical	94	1.21	-
2457MHz	Pass	AV	4.914G	48.60	54.00	-5.40	3	Horizontal	231	2.72	-
2457MHz	Pass	PK	4.914G	52.22	74.00	-21.78	3	Horizontal	231	2.72	-
2462MHz	Pass	AV	2.4612G	101.72	Inf	-Inf	3	Vertical	41	1.49	-
2462MHz	Pass	AV	2.486G	49.58	54.00	-4.42	3	Vertical	41	1.49	-
2462MHz	Pass	PK	2.4612G	104.19	Inf	-Inf	3	Vertical	41	1.49	-
2462MHz	Pass	PK	2.499G	61.13	74.00	-12.87	3	Vertical	41	1.49	-
2462MHz	Pass	AV	2.461G	100.63	Inf	-Inf	3	Horizontal	142	2.00	-
2462MHz	Pass	AV	2.4998G	49.64	54.00	-4.36	3	Horizontal	142	2.00	-
2462MHz	Pass	PK	2.4612G	102.59	Inf	-Inf	3	Horizontal	142	2.00	-
2462MHz	Pass	PK	2.4982G	60.25	74.00	-13.75	3	Horizontal	142	2.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	4.92394G	52.91	54.00	-1.09	3	Vertical	92	1.33	-
2462MHz	Pass	PK	4.92406G	55.53	74.00	-18.47	3	Vertical	92	1.33	-
2462MHz	Pass	AV	4.92394G	49.01	54.00	-4.99	3	Horizontal	118	2.61	-
2462MHz	Pass	PK	4.92406G	52.28	74.00	-21.72	3	Horizontal	118	2.61	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.13	54.00	-0.87	3	Vertical	125	1.88	-
2412MHz	Pass	AV	2.4104G	104.75	Inf	-Inf	3	Vertical	125	1.88	-
2412MHz	Pass	PK	2.3894G	65.42	74.00	-8.58	3	Vertical	125	1.88	-
2412MHz	Pass	PK	2.4104G	113.32	Inf	-Inf	3	Vertical	125	1.88	-
2412MHz	Pass	AV	2.3888G	49.54	54.00	-4.46	3	Horizontal	128	2.13	-
2412MHz	Pass	AV	2.4128G	102.61	Inf	-Inf	3	Horizontal	128	2.13	-
2412MHz	Pass	PK	2.389G	61.14	74.00	-12.86	3	Horizontal	128	2.13	-
2412MHz	Pass	PK	2.413G	110.86	Inf	-Inf	3	Horizontal	128	2.13	-
2412MHz	Pass	AV	4.82406G	38.18	54.00	-15.82	3	Vertical	93	1.54	-
2412MHz	Pass	PK	4.82472G	50.25	74.00	-23.75	3	Vertical	93	1.54	-
2412MHz	Pass	AV	4.82526G	36.09	54.00	-17.91	3	Horizontal	258	1.40	-
2412MHz	Pass	PK	4.82556G	48.74	74.00	-25.26	3	Horizontal	258	1.40	-
2417MHz	Pass	AV	2.4162G	106.24	Inf	-Inf	3	Vertical	242	1.55	-
2417MHz	Pass	AV	2.39G	52.14	54.00	-1.86	3	Vertical	242	1.55	-
2417MHz	Pass	PK	2.4162G	114.80	Inf	-Inf	3	Vertical	242	1.55	-
2417MHz	Pass	PK	2.386G	64.92	74.00	-9.08	3	Vertical	242	1.55	-
2417MHz	Pass	AV	2.39G	49.00	54.00	-5.00	3	Horizontal	140	2.00	-
2417MHz	Pass	AV	2.4162G	104.03	Inf	-Inf	3	Horizontal	140	2.00	-
2417MHz	Pass	PK	2.3878G	61.40	74.00	-12.60	3	Horizontal	140	2.00	-
2417MHz	Pass	PK	2.4162G	112.31	Inf	-Inf	3	Horizontal	140	2.00	-
2437MHz	Pass	PK	2.3894G	63.49	74.00	-10.51	3	Vertical	282	2.31	-
2437MHz	Pass	AV	2.3898G	50.39	54.00	-3.61	3	Vertical	282	2.31	-
2437MHz	Pass	PK	2.4358G	117.76	Inf	-Inf	3	Vertical	282	2.31	-
2437MHz	Pass	AV	2.4362G	109.45	Inf	-Inf	3	Vertical	282	2.31	-
2437MHz	Pass	PK	2.485G	65.61	74.00	-8.39	3	Vertical	282	2.31	-
2437MHz	Pass	AV	2.4842G	51.67	54.00	-2.33	3	Vertical	282	2.31	-
2437MHz	Pass	AV	2.3886G	48.80	54.00	-5.20	3	Horizontal	130	2.17	-
2437MHz	Pass	AV	2.4378G	106.72	Inf	-Inf	3	Horizontal	130	2.17	-
2437MHz	Pass	AV	2.4835G	50.14	54.00	-3.86	3	Horizontal	130	2.17	-
2437MHz	Pass	PK	2.3886G	62.02	74.00	-11.98	3	Horizontal	130	2.17	-
2437MHz	Pass	PK	2.4382G	115.24	Inf	-Inf	3	Horizontal	130	2.17	-
2437MHz	Pass	PK	2.4846G	63.83	74.00	-10.17	3	Horizontal	130	2.17	-
2437MHz	Pass	AV	4.8719G	40.56	54.00	-13.44	3	Vertical	94	1.19	-
2437MHz	Pass	PK	4.87688G	52.34	74.00	-21.66	3	Vertical	94	1.19	-
2437MHz	Pass	AV	4.87598G	38.35	54.00	-15.65	3	Horizontal	64	1.13	-
2437MHz	Pass	PK	4.87664G	49.79	74.00	-24.21	3	Horizontal	64	1.13	-
2457MHz	Pass	AV	2.4562G	107.73	Inf	-Inf	3	Vertical	284	2.24	-
2457MHz	Pass	AV	2.4835G	53.72	54.00	-0.28	3	Vertical	284	2.24	-
2457MHz	Pass	PK	2.4558G	115.98	Inf	-Inf	3	Vertical	284	2.24	-
2457MHz	Pass	PK	2.4835G	65.91	74.00	-8.09	3	Vertical	284	2.24	-
2457MHz	Pass	AV	2.458G	104.59	Inf	-Inf	3	Horizontal	126	1.99	-
2457MHz	Pass	AV	2.4835G	50.50	54.00	-3.50	3	Horizontal	126	1.99	-
2457MHz	Pass	PK	2.458G	113.17	Inf	-Inf	3	Horizontal	126	1.99	-
2457MHz	Pass	PK	2.4835G	63.74	74.00	-10.26	3	Horizontal	126	1.99	-
2462MHz	Pass	AV	2.4634G	105.81	Inf	-Inf	3	Vertical	284	2.14	-
2462MHz	Pass	AV	2.4835G	53.09	54.00	-0.91	3	Vertical	284	2.14	-
2462MHz	Pass	PK	2.4634G	114.25	Inf	-Inf	3	Vertical	284	2.14	-
2462MHz	Pass	PK	2.4836G	64.93	74.00	-9.07	3	Vertical	284	2.14	-
2462MHz	Pass	AV	2.4612G	103.15	Inf	-Inf	3	Horizontal	133	2.13	-
2462MHz	Pass	AV	2.4835G	49.57	54.00	-4.43	3	Horizontal	133	2.13	-
2462MHz	Pass	PK	2.4608G	111.64	Inf	-Inf	3	Horizontal	133	2.13	-
2462MHz	Pass	PK	2.4936G	60.74	74.00	-13.26	3	Horizontal	133	2.13	-
2462MHz	Pass	AV	4.92232G	39.04	54.00	-14.96	3	Vertical	94	1.23	-
2462MHz	Pass	PK	4.92676G	52.03	74.00	-21.97	3	Vertical	94	1.23	-
2462MHz	Pass	AV	4.92172G	36.25	54.00	-17.75	3	Horizontal	70	1.07	-
2462MHz	Pass	PK	4.92682G	48.46	74.00	-25.54	3	Horizontal	70	1.07	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	2.39G	53.70	54.00	-0.30	3	Vertical	266	2.03	-
2412MHz	Pass	AV	2.4112G	103.04	Inf	-Inf	3	Vertical	266	2.03	-
2412MHz	Pass	PK	2.3894G	65.59	74.00	-8.41	3	Vertical	266	2.03	-
2412MHz	Pass	PK	2.4112G	115.58	Inf	-Inf	3	Vertical	266	2.03	-
2412MHz	Pass	AV	2.39G	50.71	54.00	-3.29	3	Horizontal	138	1.98	-
2412MHz	Pass	AV	2.4104G	100.01	Inf	-Inf	3	Horizontal	138	1.98	-
2412MHz	Pass	PK	2.39G	62.87	74.00	-11.13	3	Horizontal	138	1.98	-
2412MHz	Pass	PK	2.4096G	111.92	Inf	-Inf	3	Horizontal	138	1.98	-
2412MHz	Pass	AV	4.82392G	36.38	54.00	-17.62	3	Vertical	95	1.54	-
2412MHz	Pass	PK	4.82468G	49.05	74.00	-24.95	3	Vertical	95	1.54	-
2412MHz	Pass	AV	4.82692G	35.63	54.00	-18.37	3	Horizontal	122	2.03	-
2412MHz	Pass	PK	4.8274G	48.94	74.00	-25.06	3	Horizontal	122	2.03	-
2417MHz	Pass	AV	2.39G	53.59	54.00	-0.41	3	Vertical	243	1.54	-
2417MHz	Pass	AV	2.416G	104.97	Inf	-Inf	3	Vertical	243	1.54	-
2417MHz	Pass	PK	2.3896G	69.38	74.00	-4.62	3	Vertical	243	1.54	-
2417MHz	Pass	PK	2.4162G	117.28	Inf	-Inf	3	Vertical	243	1.54	-
2417MHz	Pass	AV	2.3854G	49.32	54.00	-4.68	3	Horizontal	139	2.00	-
2417MHz	Pass	AV	2.4154G	102.57	Inf	-Inf	3	Horizontal	139	2.00	-
2417MHz	Pass	PK	2.3876G	62.70	74.00	-11.30	3	Horizontal	139	2.00	-
2417MHz	Pass	PK	2.4162G	115.08	Inf	-Inf	3	Horizontal	139	2.00	-
2437MHz	Pass	AV	2.3862G	51.56	54.00	-2.44	3	Vertical	240	1.77	-
2437MHz	Pass	AV	2.4362G	106.53	Inf	-Inf	3	Vertical	240	1.77	-
2437MHz	Pass	AV	2.4842G	51.51	54.00	-2.49	3	Vertical	240	1.77	-
2437MHz	Pass	PK	2.3866G	68.51	74.00	-5.49	3	Vertical	240	1.77	-
2437MHz	Pass	PK	2.4362G	118.97	Inf	-Inf	3	Vertical	240	1.77	-
2437MHz	Pass	PK	2.4846G	67.94	74.00	-6.06	3	Vertical	240	1.77	-
2437MHz	Pass	AV	2.3878G	49.36	54.00	-4.64	3	Horizontal	141	1.94	-
2437MHz	Pass	AV	2.4358G	105.34	Inf	-Inf	3	Horizontal	141	1.94	-
2437MHz	Pass	AV	2.4838G	51.96	54.00	-2.04	3	Horizontal	141	1.94	-
2437MHz	Pass	PK	2.3866G	64.98	74.00	-9.02	3	Horizontal	141	1.94	-
2437MHz	Pass	PK	2.4362G	117.49	Inf	-Inf	3	Horizontal	141	1.94	-
2437MHz	Pass	PK	2.4838G	66.87	74.00	-7.13	3	Horizontal	141	1.94	-
2437MHz	Pass	AV	4.87064G	38.58	54.00	-15.42	3	Vertical	92	1.32	-
2437MHz	Pass	PK	4.87656G	51.48	74.00	-22.52	3	Vertical	92	1.32	-
2437MHz	Pass	AV	4.87848G	36.85	54.00	-17.15	3	Horizontal	65	1.14	-
2437MHz	Pass	PK	4.8764G	50.48	74.00	-23.52	3	Horizontal	65	1.14	-
2457MHz	Pass	AV	2.4554G	103.80	Inf	-Inf	3	Vertical	253	2.06	-
2457MHz	Pass	AV	2.4835G	52.26	54.00	-1.74	3	Vertical	253	2.06	-
2457MHz	Pass	PK	2.4562G	115.88	Inf	-Inf	3	Vertical	253	2.06	-
2457MHz	Pass	PK	2.4838G	64.69	74.00	-9.31	3	Vertical	253	2.06	-
2457MHz	Pass	AV	2.4558G	102.87	Inf	-Inf	3	Horizontal	135	1.99	-
2457MHz	Pass	AV	2.4842G	49.96	54.00	-4.04	3	Horizontal	135	1.99	-
2457MHz	Pass	PK	2.456G	115.23	Inf	-Inf	3	Horizontal	135	1.99	-
2457MHz	Pass	PK	2.4835G	61.72	74.00	-12.28	3	Horizontal	135	1.99	-
2462MHz	Pass	AV	2.4628G	104.46	Inf	-Inf	3	Vertical	303	2.57	-
2462MHz	Pass	AV	2.4835G	53.35	54.00	-0.65	3	Vertical	303	2.57	-
2462MHz	Pass	PK	2.463G	116.63	Inf	-Inf	3	Vertical	303	2.57	-
2462MHz	Pass	PK	2.4835G	66.00	74.00	-8.00	3	Vertical	303	2.57	-
2462MHz	Pass	AV	2.4608G	101.32	Inf	-Inf	3	Horizontal	142	2.14	-
2462MHz	Pass	AV	2.4835G	50.68	54.00	-3.32	3	Horizontal	142	2.14	-
2462MHz	Pass	PK	2.4608G	113.55	Inf	-Inf	3	Horizontal	142	2.14	-
2462MHz	Pass	PK	2.4835G	63.39	74.00	-10.61	3	Horizontal	142	2.14	-
2462MHz	Pass	AV	4.92056G	37.55	54.00	-16.45	3	Vertical	95	1.29	-
2462MHz	Pass	PK	4.92264G	51.42	74.00	-22.58	3	Vertical	95	1.29	-
2462MHz	Pass	AV	4.92104G	34.43	54.00	-19.57	3	Horizontal	48	1.28	-
2462MHz	Pass	PK	4.93064G	46.96	74.00	-27.04	3	Horizontal	48	1.28	-
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3828G	53.54	54.00	-0.46	3	Vertical	260	1.83	-
2422MHz	Pass	AV	2.4228G	99.67	Inf	-Inf	3	Vertical	260	1.83	-
2422MHz	Pass	AV	2.4956G	47.31	54.00	-6.69	3	Vertical	260	1.83	-
2422MHz	Pass	PK	2.3824G	66.61	74.00	-7.39	3	Vertical	260	1.83	-
2422MHz	Pass	PK	2.4212G	110.20	Inf	-Inf	3	Vertical	260	1.83	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	PK	2.494G	58.99	74.00	-15.01	3	Vertical	260	1.83	-
2422MHz	Pass	AV	2.3856G	51.68	54.00	-2.32	3	Horizontal	133	2.26	-
2422MHz	Pass	AV	2.4236G	97.59	Inf	-Inf	3	Horizontal	133	2.26	-
2422MHz	Pass	AV	2.4968G	47.64	54.00	-6.36	3	Horizontal	133	2.26	-
2422MHz	Pass	PK	2.386G	63.63	74.00	-10.37	3	Horizontal	133	2.26	-
2422MHz	Pass	PK	2.4228G	108.75	Inf	-Inf	3	Horizontal	133	2.26	-
2422MHz	Pass	PK	2.4876G	59.49	74.00	-14.51	3	Horizontal	133	2.26	-
2422MHz	Pass	AV	4.844G	34.33	54.00	-19.67	3	Vertical	89	1.50	-
2422MHz	Pass	PK	4.84368G	45.68	74.00	-28.32	3	Vertical	89	1.50	-
2422MHz	Pass	AV	4.84G	32.88	54.00	-21.12	3	Horizontal	103	1.87	-
2422MHz	Pass	PK	4.85448G	45.41	74.00	-28.59	3	Horizontal	103	1.87	-
2427MHz	Pass	AV	2.3858G	52.97	54.00	-1.03	3	Vertical	143	2.08	-
2427MHz	Pass	AV	2.4262G	99.85	Inf	-Inf	3	Vertical	143	2.08	-
2427MHz	Pass	AV	2.4838G	47.58	54.00	-6.42	3	Vertical	143	2.08	-
2427MHz	Pass	PK	2.3846G	66.08	74.00	-7.92	3	Vertical	143	2.08	-
2427MHz	Pass	PK	2.4266G	111.37	Inf	-Inf	3	Vertical	143	2.08	-
2427MHz	Pass	PK	2.4982G	59.33	74.00	-14.67	3	Vertical	143	2.08	-
2427MHz	Pass	AV	2.3898G	52.89	54.00	-1.11	3	Horizontal	128	2.18	-
2427MHz	Pass	AV	2.4286G	98.92	Inf	-Inf	3	Horizontal	128	2.18	-
2427MHz	Pass	AV	2.4835G	48.06	54.00	-5.94	3	Horizontal	128	2.18	-
2427MHz	Pass	PK	2.3894G	65.50	74.00	-8.50	3	Horizontal	128	2.18	-
2427MHz	Pass	PK	2.4298G	110.17	Inf	-Inf	3	Horizontal	128	2.18	-
2427MHz	Pass	PK	2.4835G	60.06	74.00	-13.94	3	Horizontal	128	2.18	-
2437MHz	Pass	AV	2.3898G	53.70	54.00	-0.30	3	Vertical	242	1.97	-
2437MHz	Pass	AV	2.435G	100.63	Inf	-Inf	3	Vertical	242	1.97	-
2437MHz	Pass	AV	2.4838G	52.76	54.00	-1.24	3	Vertical	242	1.97	-
2437MHz	Pass	PK	2.3842G	68.58	74.00	-5.42	3	Vertical	242	1.97	-
2437MHz	Pass	PK	2.435G	111.57	Inf	-Inf	3	Vertical	242	1.97	-
2437MHz	Pass	PK	2.4846G	65.10	74.00	-8.90	3	Vertical	242	1.97	-
2437MHz	Pass	AV	2.3898G	51.59	54.00	-2.41	3	Horizontal	120	2.23	-
2437MHz	Pass	AV	2.4378G	100.67	Inf	-Inf	3	Horizontal	120	2.23	-
2437MHz	Pass	AV	2.4862G	52.56	54.00	-1.44	3	Horizontal	120	2.23	-
2437MHz	Pass	PK	2.389G	63.70	74.00	-10.30	3	Horizontal	120	2.23	-
2437MHz	Pass	PK	2.4378G	111.43	Inf	-Inf	3	Horizontal	120	2.23	-
2437MHz	Pass	PK	2.4886G	64.33	74.00	-9.67	3	Horizontal	120	2.23	-
2437MHz	Pass	AV	4.87384G	35.57	54.00	-18.43	3	Vertical	90	1.50	-
2437MHz	Pass	PK	4.87304G	49.07	74.00	-24.93	3	Vertical	90	1.50	-
2437MHz	Pass	AV	4.8788G	34.38	54.00	-19.62	3	Horizontal	60	1.05	-
2437MHz	Pass	PK	4.87272G	46.11	74.00	-27.89	3	Horizontal	60	1.05	-
2447MHz	Pass	AV	2.389G	46.87	54.00	-7.13	3	Vertical	270	1.91	-
2447MHz	Pass	AV	2.4462G	100.59	Inf	-Inf	3	Vertical	270	1.91	-
2447MHz	Pass	AV	2.4854G	53.23	54.00	-0.77	3	Vertical	270	1.91	-
2447MHz	Pass	PK	2.381G	59.22	74.00	-14.78	3	Vertical	270	1.91	-
2447MHz	Pass	PK	2.4454G	112.79	Inf	-Inf	3	Vertical	270	1.91	-
2447MHz	Pass	PK	2.4858G	65.73	74.00	-8.27	3	Vertical	270	1.91	-
2447MHz	Pass	AV	2.3778G	46.56	54.00	-7.44	3	Horizontal	116	1.96	-
2447MHz	Pass	AV	2.4482G	96.36	Inf	-Inf	3	Horizontal	116	1.96	-
2447MHz	Pass	AV	2.4878G	49.79	54.00	-4.21	3	Horizontal	116	1.96	-
2447MHz	Pass	PK	2.3754G	59.09	74.00	-14.91	3	Horizontal	116	1.96	-
2447MHz	Pass	PK	2.4482G	108.27	Inf	-Inf	3	Horizontal	116	1.96	-
2447MHz	Pass	PK	2.4874G	62.48	74.00	-11.52	3	Horizontal	116	1.96	-
2452MHz	Pass	AV	2.39G	46.55	54.00	-7.45	3	Vertical	232	1.51	-
2452MHz	Pass	AV	2.4528G	98.44	Inf	-Inf	3	Vertical	232	1.51	-
2452MHz	Pass	AV	2.4835G	53.02	54.00	-0.98	3	Vertical	232	1.51	-
2452MHz	Pass	PK	2.3556G	58.31	74.00	-15.69	3	Vertical	232	1.51	-
2452MHz	Pass	PK	2.4528G	108.79	Inf	-Inf	3	Vertical	232	1.51	-
2452MHz	Pass	PK	2.4872G	66.46	74.00	-7.54	3	Vertical	232	1.51	-
2452MHz	Pass	AV	2.3892G	46.05	54.00	-7.95	3	Horizontal	135	2.26	-
2452MHz	Pass	AV	2.4496G	98.21	Inf	-Inf	3	Horizontal	135	2.26	-
2452MHz	Pass	AV	2.4896G	51.82	54.00	-2.18	3	Horizontal	135	2.26	-
2452MHz	Pass	PK	2.3872G	58.64	74.00	-15.36	3	Horizontal	135	2.26	-
2452MHz	Pass	PK	2.4492G	110.30	Inf	-Inf	3	Horizontal	135	2.26	-



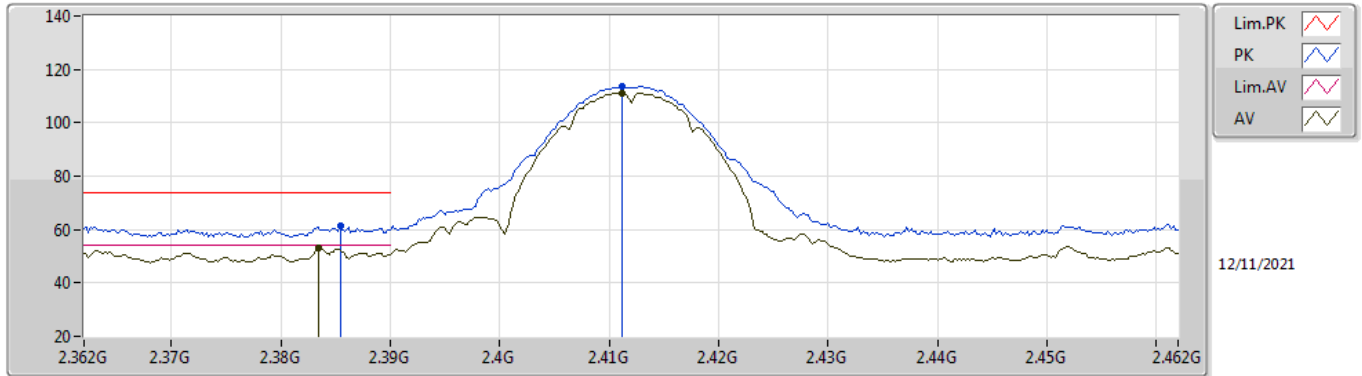
RSE TX above 1GHz _Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2452MHz	Pass	PK	2.4864G	67.91	74.00	-6.09	3	Horizontal	135	2.26	-
2452MHz	Pass	AV	4.91078G	34.96	54.00	-19.04	3	Vertical	92	1.28	-
2452MHz	Pass	PK	4.90844G	47.97	74.00	-26.03	3	Vertical	92	1.28	-
2452MHz	Pass	AV	4.907G	32.96	54.00	-21.04	3	Horizontal	341	1.50	-
2452MHz	Pass	PK	4.90832G	45.76	74.00	-28.24	3	Horizontal	341	1.50	-

802.11b_Nss1,(1Mbps)_2TX

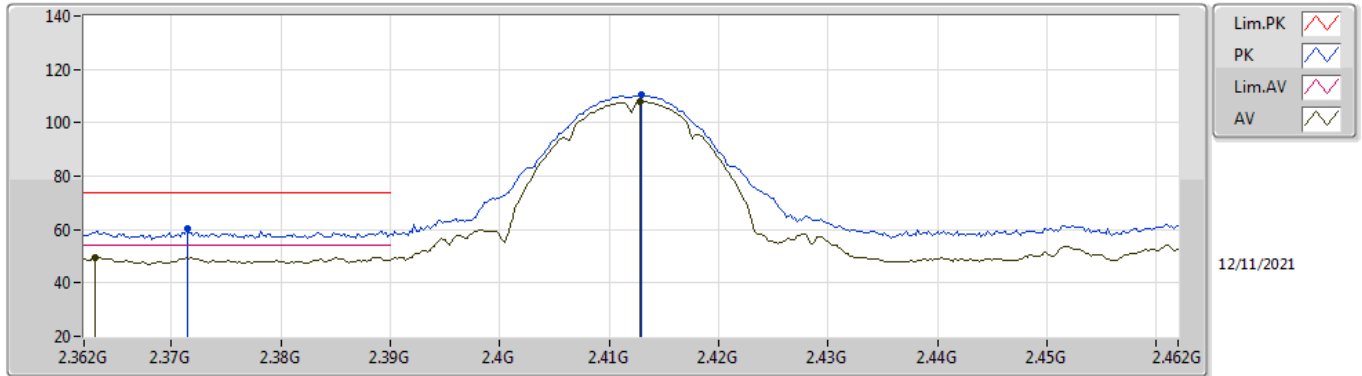
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3834G	52.96	54.00	-1.04	31.73	3	Vertical	268	2.05	-	21.23	27.37	4.36	-
AV	2.4112G	111.24	Inf	-Inf	31.84	3	Vertical	268	2.05	-	79.40	27.44	4.40	-
PK	2.3854G	61.63	74.00	-12.37	31.73	3	Vertical	268	2.05	-	29.90	27.37	4.36	-
PK	2.4112G	113.69	Inf	-Inf	31.84	3	Vertical	268	2.05	-	81.85	27.44	4.40	-

802.11b_Nss1,(1Mbps)_2TX

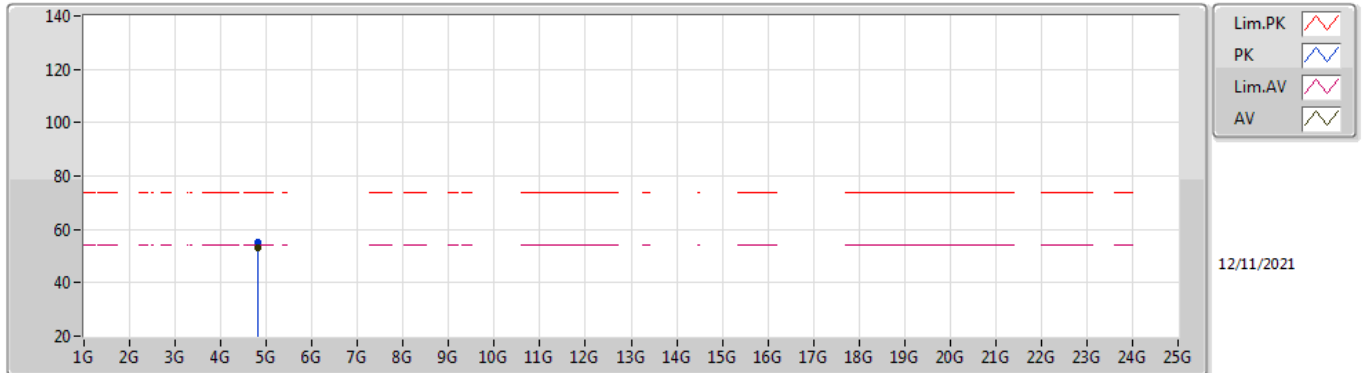
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.363G	49.61	54.00	-4.39	31.67	3	Horizontal	123	2.53	-	17.94	27.33	4.34	-
AV	2.4128G	107.93	Inf	-Inf	31.85	3	Horizontal	123	2.53	-	76.08	27.45	4.40	-
PK	2.3714G	60.12	74.00	-13.88	31.69	3	Horizontal	123	2.53	-	28.43	27.34	4.35	-
PK	2.413G	110.34	Inf	-Inf	31.85	3	Horizontal	123	2.53	-	78.49	27.45	4.40	-

802.11b_Nss1,(1Mbps)_2TX

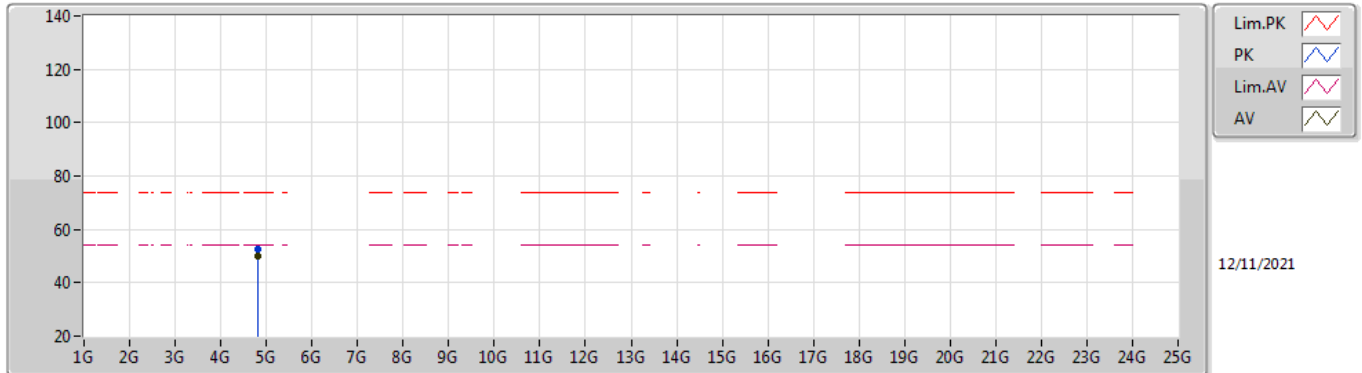
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82396G	53.15	54.00	-0.85	4.42	3	Vertical	91	1.62	-	48.73	32.60	6.27	34.45
PK	4.82402G	55.27	74.00	-18.73	4.42	3	Vertical	91	1.62	-	50.85	32.60	6.27	34.45

802.11b_Nss1,(1Mbps)_2TX

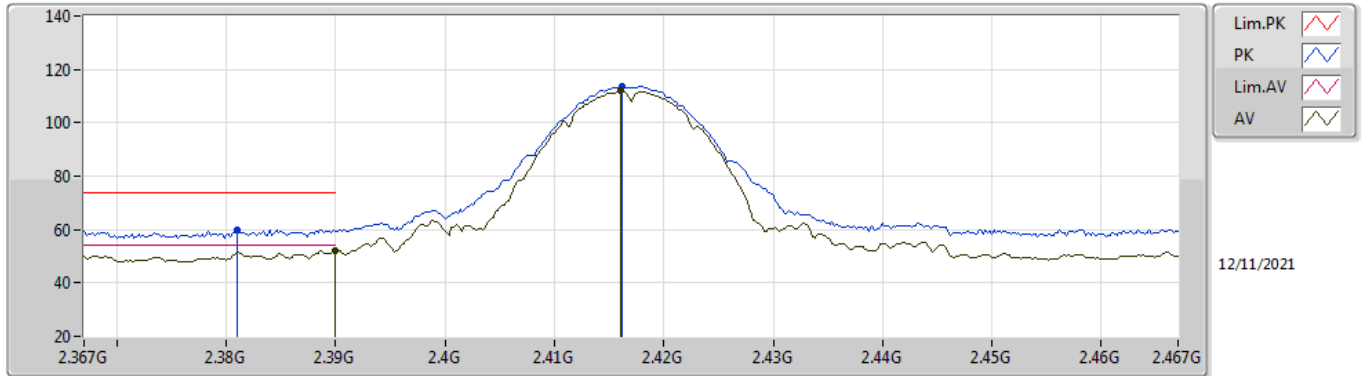
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82396G	50.14	54.00	-3.86	4.42	3	Horizontal	355	2.51	-	45.72	32.60	6.27	34.45
PK	4.82388G	52.74	74.00	-21.26	4.42	3	Horizontal	355	2.51	-	48.32	32.60	6.27	34.45

802.11b_Nss1,(1Mbps)_2TX

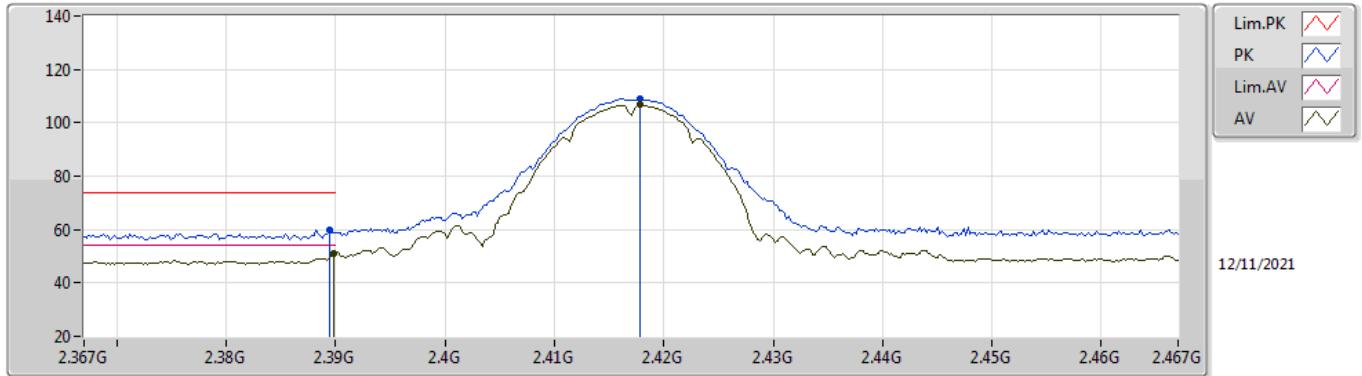
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.13	54.00	-1.87	31.75	3	Vertical	121	1.88	-	20.38	27.38	4.37	-
AV	2.416G	112.32	Inf	-Inf	31.86	3	Vertical	121	1.88	-	80.46	27.46	4.40	-
PK	2.381G	59.67	74.00	-14.33	31.72	3	Vertical	121	1.88	-	27.95	27.36	4.36	-
PK	2.4162G	113.65	Inf	-Inf	31.86	3	Vertical	121	1.88	-	81.79	27.46	4.40	-

802.11b_Nss1,(1Mbps)_2TX

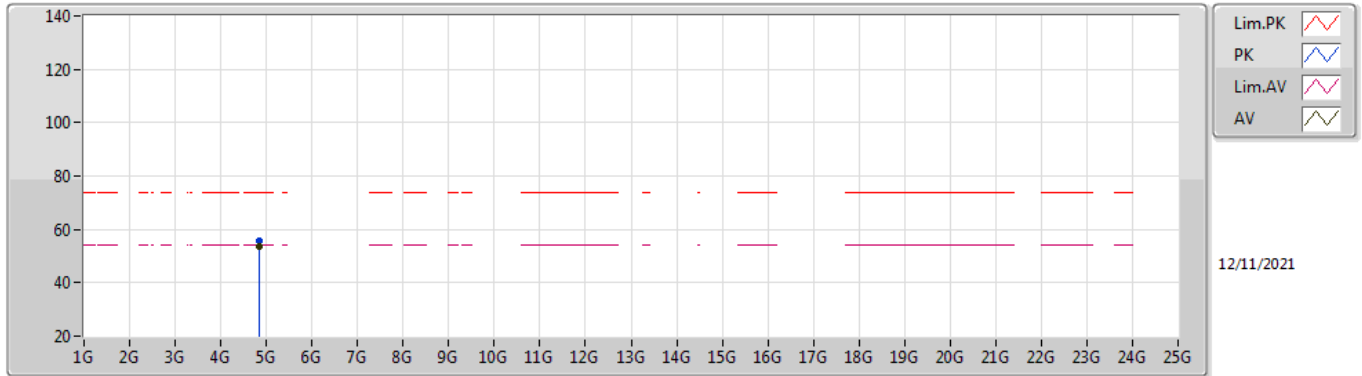
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	51.01	54.00	-2.99	31.75	3	Horizontal	139	2.01	-	19.26	27.38	4.37	-
AV	2.4178G	106.71	Inf	-Inf	31.88	3	Horizontal	139	2.01	-	74.83	27.47	4.41	-
PK	2.3894G	59.95	74.00	-14.05	31.75	3	Horizontal	139	2.01	-	28.20	27.38	4.37	-
PK	2.4178G	108.99	Inf	-Inf	31.88	3	Horizontal	139	2.01	-	77.11	27.47	4.41	-

802.11b_Nss1,(1Mbps)_2TX

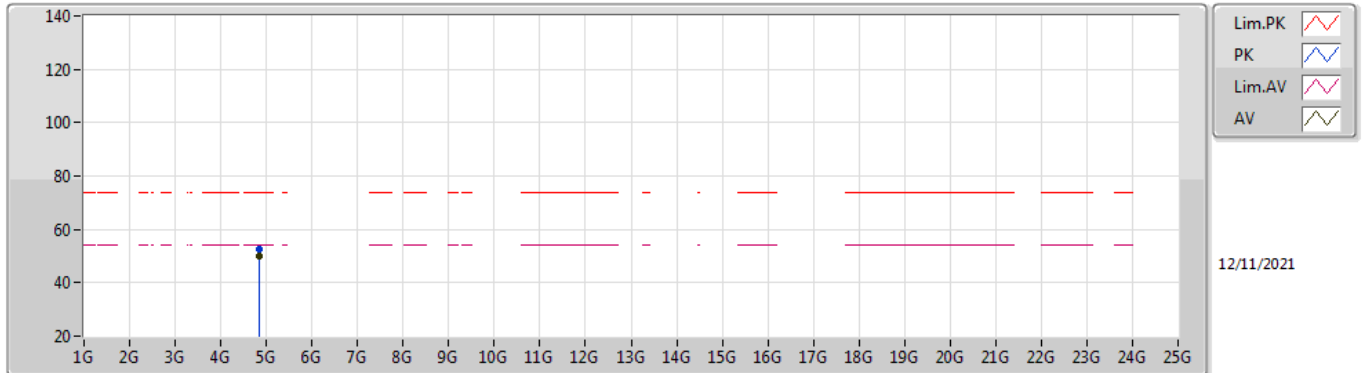
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.83398G	53.43	54.00	-0.57	4.47	3	Vertical	91	1.54	-	48.96	32.64	6.28	34.45
PK	4.83392G	55.45	74.00	-18.55	4.47	3	Vertical	91	1.54	-	50.98	32.64	6.28	34.45

802.11b_Nss1,(1Mbps)_2TX

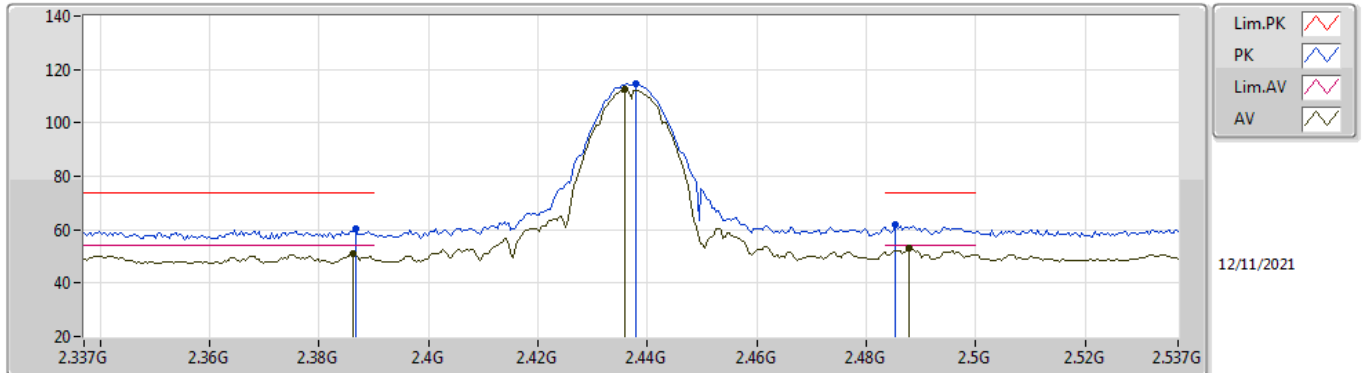
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.83402G	49.84	54.00	-4.16	4.47	3	Horizontal	230	3.00	-	45.37	32.64	6.28	34.45
PK	4.83404G	52.68	74.00	-21.32	4.47	3	Horizontal	230	3.00	-	48.21	32.64	6.28	34.45

802.11b_Nss1,(1Mbps)_2TX

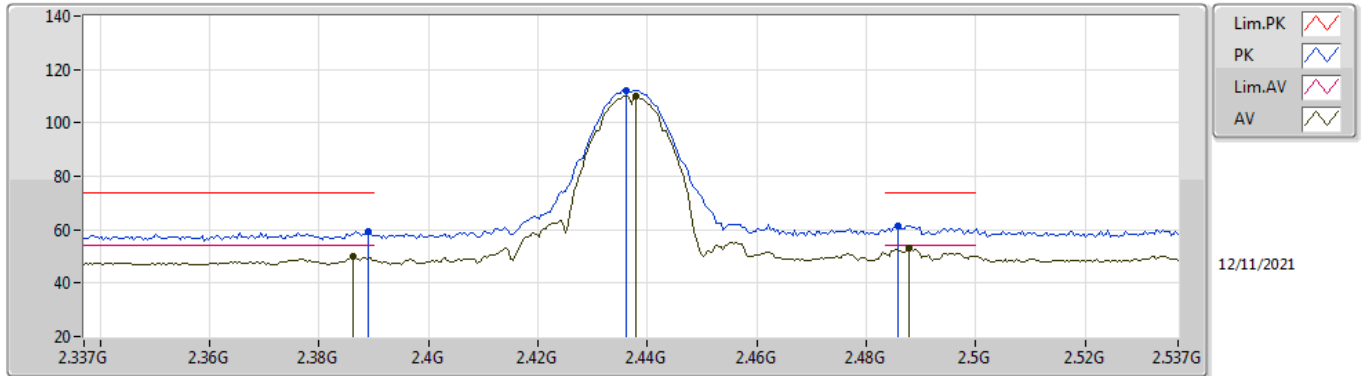
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3862G	50.98	54.00	-3.02	31.74	3	Vertical	267	1.90	-	19.24	27.37	4.37	-
AV	2.4358G	112.34	Inf	-Inf	31.97	3	Vertical	267	1.90	-	80.37	27.54	4.43	-
AV	2.4878G	53.12	54.00	-0.88	32.34	3	Vertical	267	1.90	-	20.78	27.83	4.51	-
PK	2.3866G	60.23	74.00	-13.77	31.74	3	Vertical	267	1.90	-	28.49	27.37	4.37	-
PK	2.4378G	114.57	Inf	-Inf	31.98	3	Vertical	267	1.90	-	82.59	27.55	4.43	-
PK	2.4854G	61.68	74.00	-12.32	32.31	3	Vertical	267	1.90	-	29.37	27.81	4.50	-

802.11b_Nss1,(1Mbps)_2TX

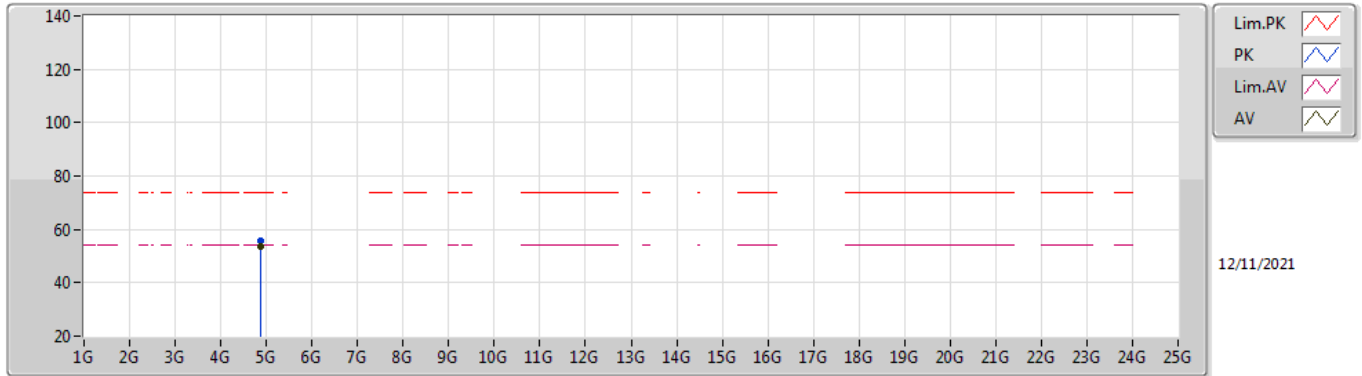
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3862G	49.86	54.00	-4.14	31.74	3	Horizontal	123	2.26	-	18.12	27.37	4.37	-
AV	2.4378G	109.89	Inf	-Inf	31.98	3	Horizontal	123	2.26	-	77.91	27.55	4.43	-
AV	2.4878G	52.99	54.00	-1.01	32.34	3	Horizontal	123	2.26	-	20.65	27.83	4.51	-
PK	2.389G	59.28	74.00	-14.72	31.75	3	Horizontal	123	2.26	-	27.53	27.38	4.37	-
PK	2.4362G	112.27	Inf	-Inf	31.97	3	Horizontal	123	2.26	-	80.30	27.54	4.43	-
PK	2.4858G	61.53	74.00	-12.47	32.31	3	Horizontal	123	2.26	-	29.22	27.81	4.50	-

802.11b_Nss1,(1Mbps)_2TX

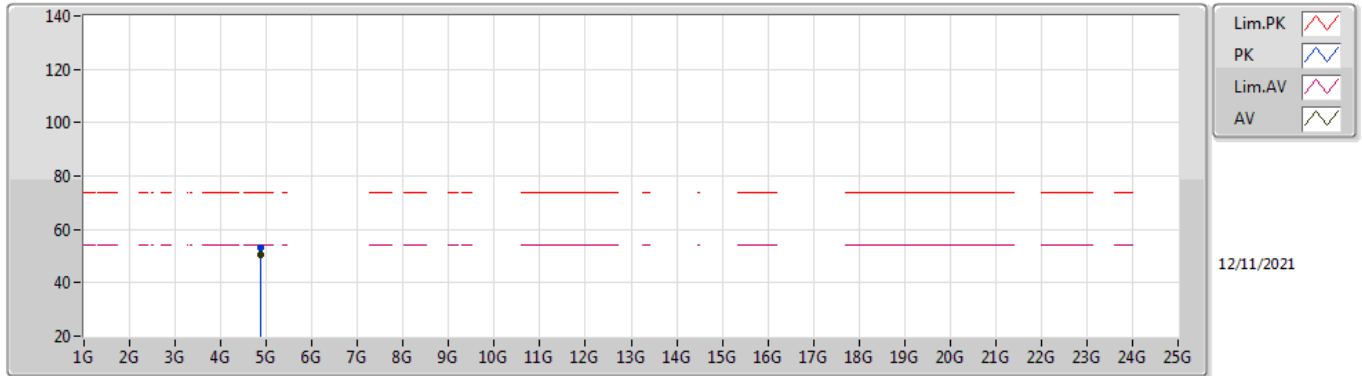
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87396G	53.37	54.00	-0.63	4.61	3	Vertical	94	1.50	-	48.76	32.75	6.30	34.44
PK	4.87388G	55.45	74.00	-18.55	4.61	3	Vertical	94	1.50	-	50.84	32.75	6.30	34.44

802.11b_Nss1,(1Mbps)_2TX

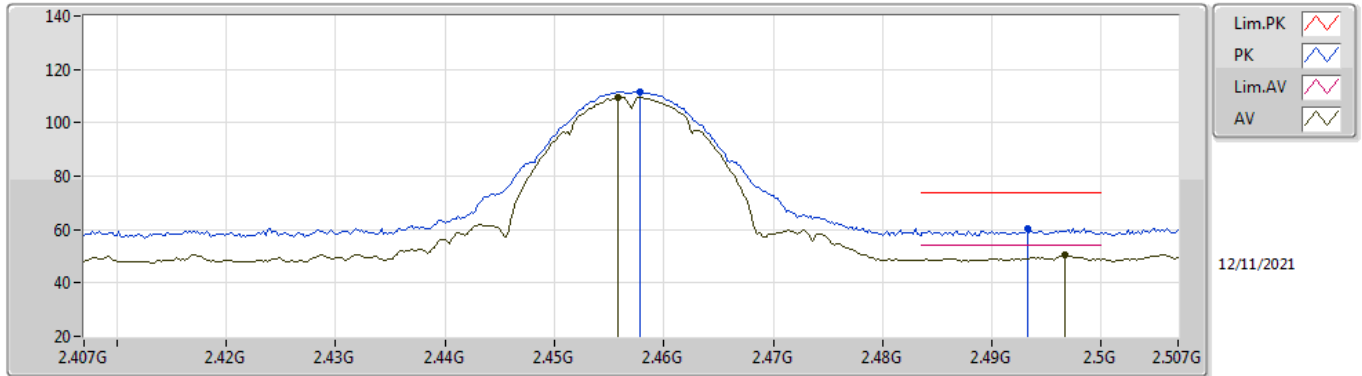
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87396G	50.27	54.00	-3.73	4.61	3	Horizontal	230	2.88	-	45.66	32.75	6.30	34.44
PK	4.87392G	53.34	74.00	-20.66	4.61	3	Horizontal	230	2.88	-	48.73	32.75	6.30	34.44

802.11b_Nss1,(1Mbps)_2TX

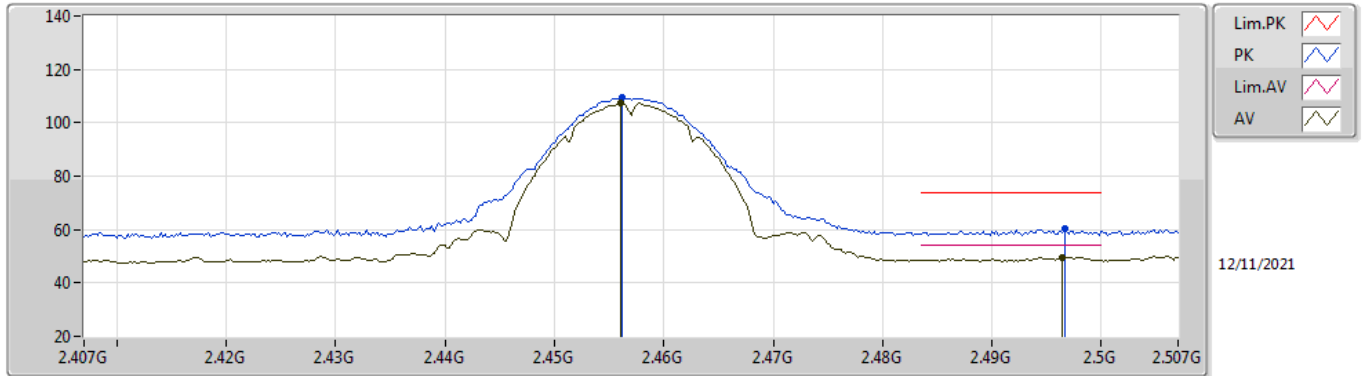
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4558G	109.51	Inf	-Inf	32.09	3	Vertical	197	2.75	-	77.42	27.63	4.46	-
AV	2.4966G	50.38	54.00	-3.62	32.40	3	Vertical	197	2.75	-	17.98	27.88	4.52	-
PK	2.4578G	111.81	Inf	-Inf	32.11	3	Vertical	197	2.75	-	79.70	27.65	4.46	-
PK	2.4932G	60.41	74.00	-13.59	32.38	3	Vertical	197	2.75	-	28.03	27.86	4.52	-

802.11b_Nss1,(1Mbps)_2TX

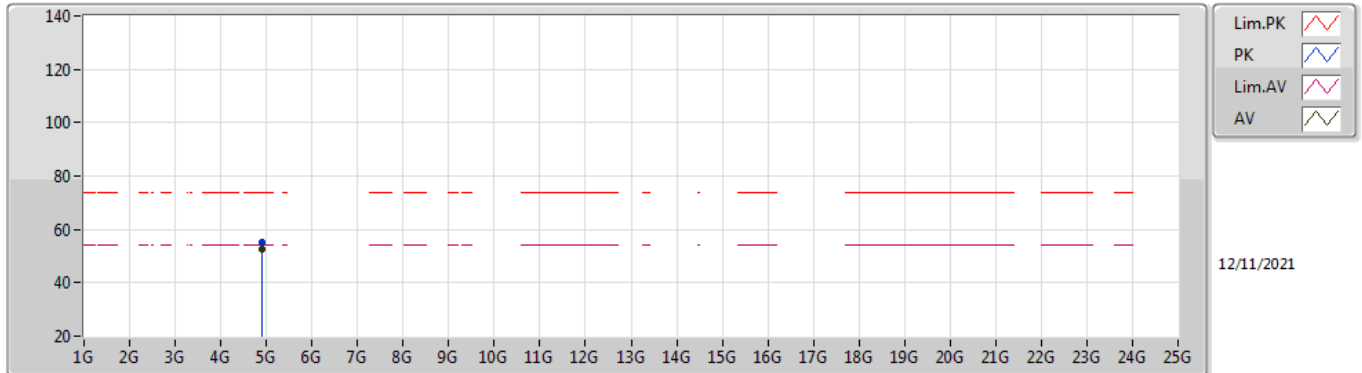
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.456G	107.45	Inf	-Inf	32.10	3	Horizontal	149	2.22	-	75.35	27.64	4.46	-
AV	2.4964G	49.63	54.00	-4.37	32.40	3	Horizontal	149	2.22	-	17.23	27.88	4.52	-
PK	2.4562G	109.30	Inf	-Inf	32.10	3	Horizontal	149	2.22	-	77.20	27.64	4.46	-
PK	2.4966G	60.30	74.00	-13.70	32.40	3	Horizontal	149	2.22	-	27.90	27.88	4.52	-

802.11b_Nss1,(1Mbps)_2TX

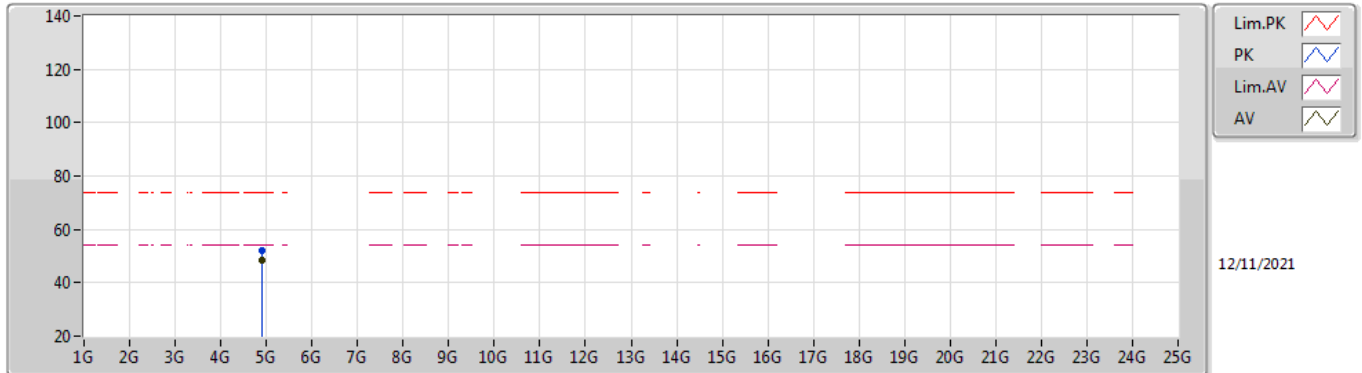
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.914G	52.79	54.00	-1.21	4.77	3	Vertical	94	1.21	-	48.02	32.88	6.33	34.44
PK	4.91394G	55.18	74.00	-18.82	4.77	3	Vertical	94	1.21	-	50.41	32.88	6.33	34.44

802.11b_Nss1,(1Mbps)_2TX

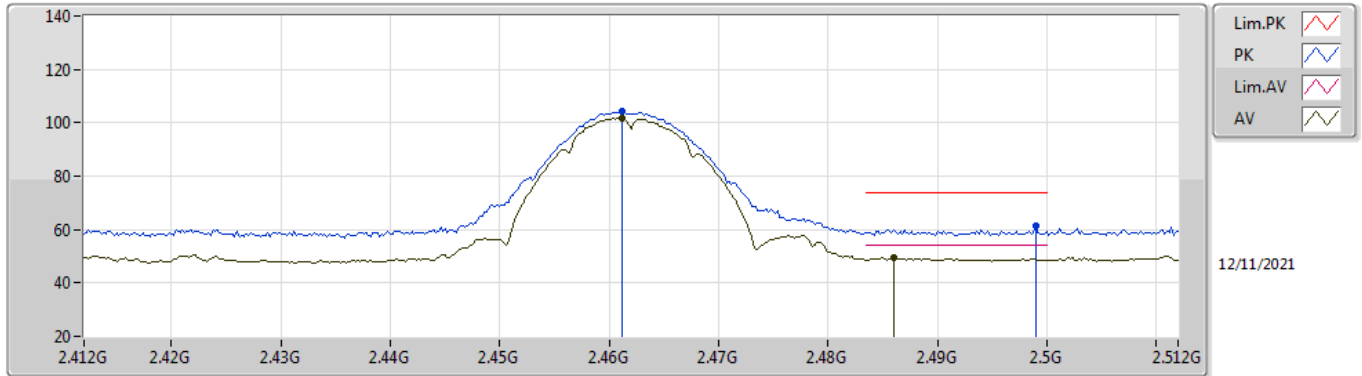
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.914G	48.60	54.00	-5.40	4.77	3	Horizontal	231	2.72	-	43.83	32.88	6.33	34.44
PK	4.914G	52.22	74.00	-21.78	4.77	3	Horizontal	231	2.72	-	47.45	32.88	6.33	34.44

802.11b_Nss1,(1Mbps)_2TX

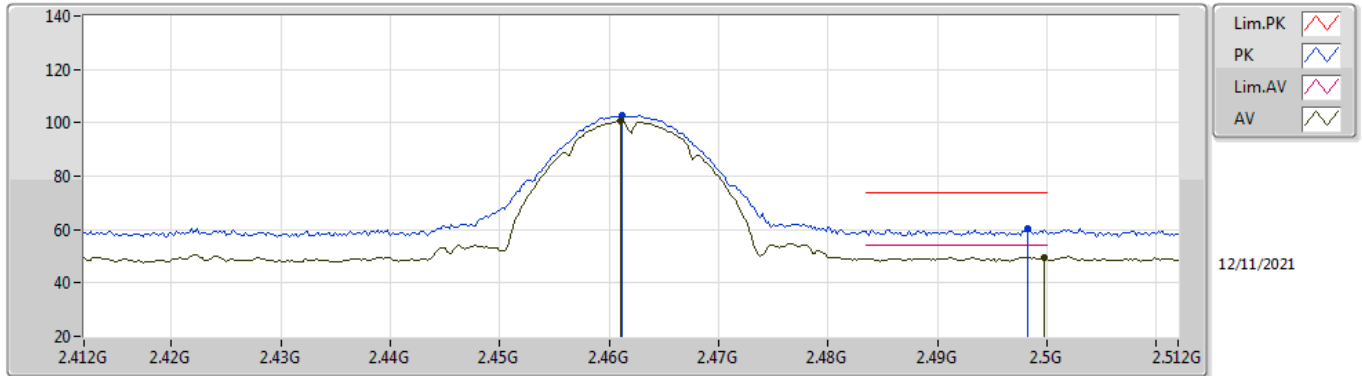
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	101.72	Inf	-Inf	32.14	3	Vertical	41	1.49	-	69.58	27.67	4.47	-
AV	2.486G	49.58	54.00	-4.42	32.32	3	Vertical	41	1.49	-	17.26	27.82	4.50	-
PK	2.4612G	104.19	Inf	-Inf	32.14	3	Vertical	41	1.49	-	72.05	27.67	4.47	-
PK	2.499G	61.13	74.00	-12.87	32.41	3	Vertical	41	1.49	-	28.72	27.89	4.52	-

802.11b_Nss1,(1Mbps)_2TX

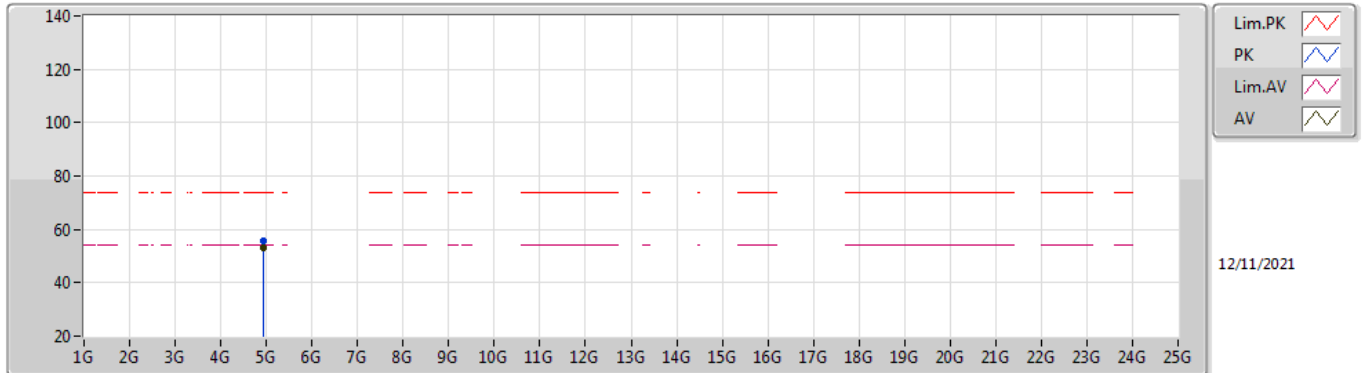
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.461G	100.63	Inf	-Inf	32.14	3	Horizontal	142	2.00	-	68.49	27.67	4.47	-
AV	2.4998G	49.64	54.00	-4.36	32.42	3	Horizontal	142	2.00	-	17.22	27.90	4.52	-
PK	2.4612G	102.59	Inf	-Inf	32.14	3	Horizontal	142	2.00	-	70.45	27.67	4.47	-
PK	2.4982G	60.25	74.00	-13.75	32.41	3	Horizontal	142	2.00	-	27.84	27.89	4.52	-

802.11b_Nss1,(1Mbps)_2TX

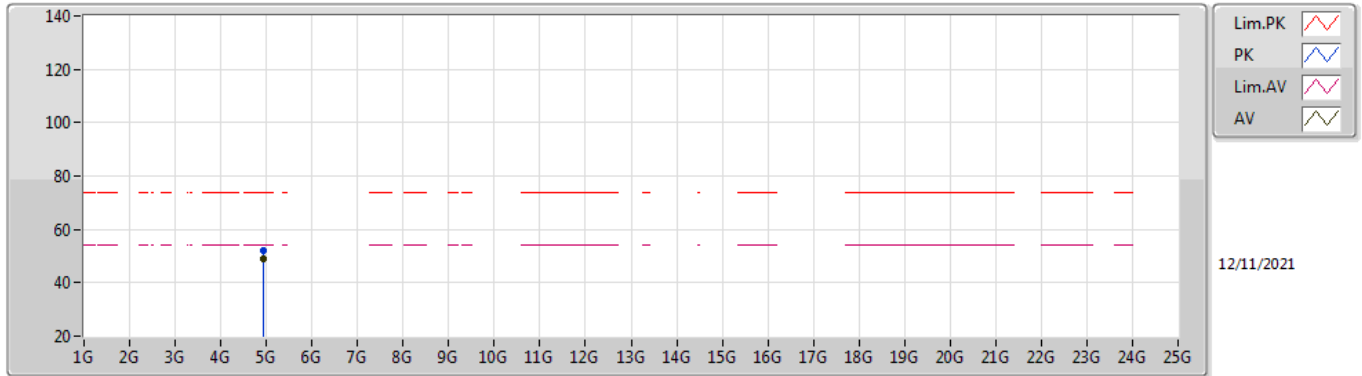
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92394G	52.91	54.00	-1.09	4.83	3	Vertical	92	1.33	-	48.08	32.94	6.33	34.44
PK	4.92406G	55.53	74.00	-18.47	4.83	3	Vertical	92	1.33	-	50.70	32.94	6.33	34.44

802.11b_Nss1,(1Mbps)_2TX

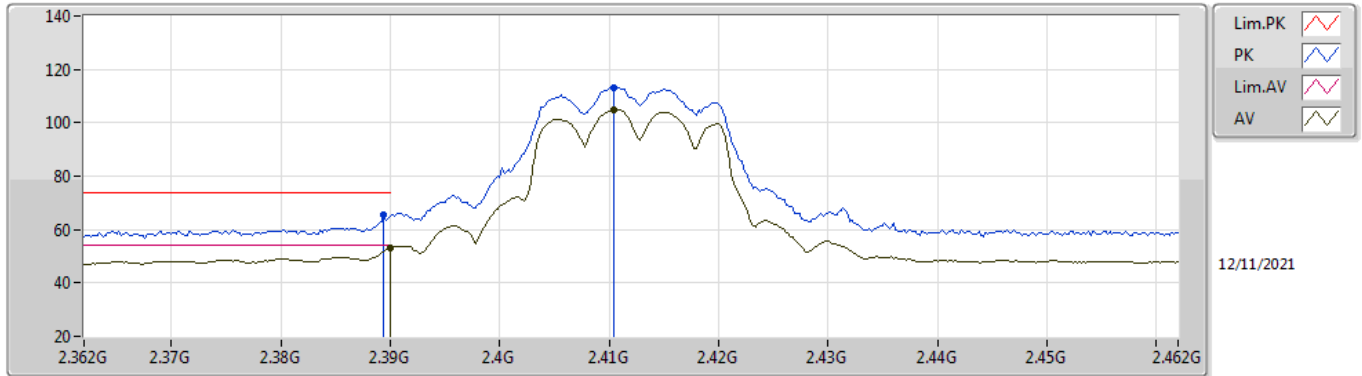
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92394G	49.01	54.00	-4.99	4.83	3	Horizontal	118	2.61	-	44.18	32.94	6.33	34.44
PK	4.92406G	52.28	74.00	-21.72	4.83	3	Horizontal	118	2.61	-	47.45	32.94	6.33	34.44

802.11g_Nss1,(6Mbps)_2TX

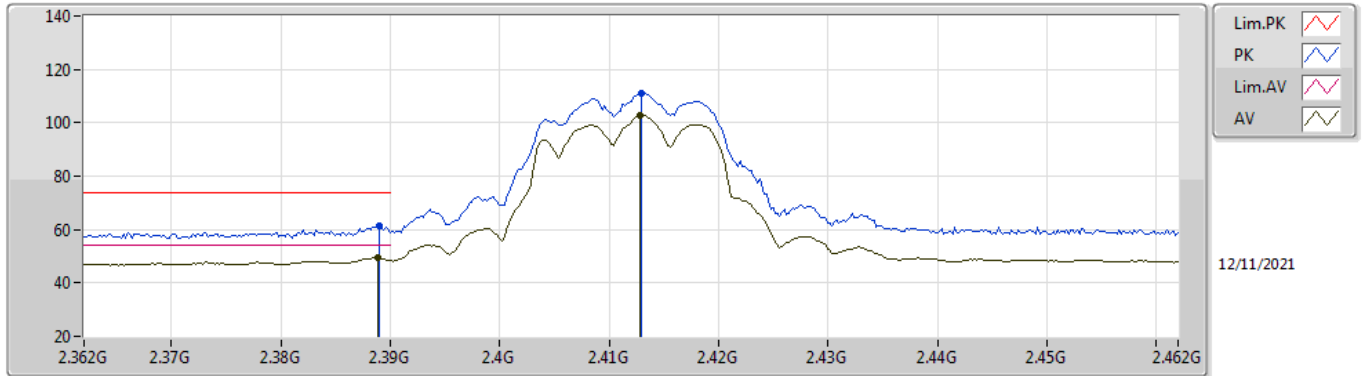
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.13	54.00	-0.87	31.75	3	Vertical	125	1.88	-	21.38	27.38	4.37	-
AV	2.4104G	104.75	Inf	-Inf	31.84	3	Vertical	125	1.88	-	72.91	27.44	4.40	-
PK	2.3894G	65.42	74.00	-8.58	31.75	3	Vertical	125	1.88	-	33.67	27.38	4.37	-
PK	2.4104G	113.32	Inf	-Inf	31.84	3	Vertical	125	1.88	-	81.48	27.44	4.40	-

802.11g_Nss1,(6Mbps)_2TX

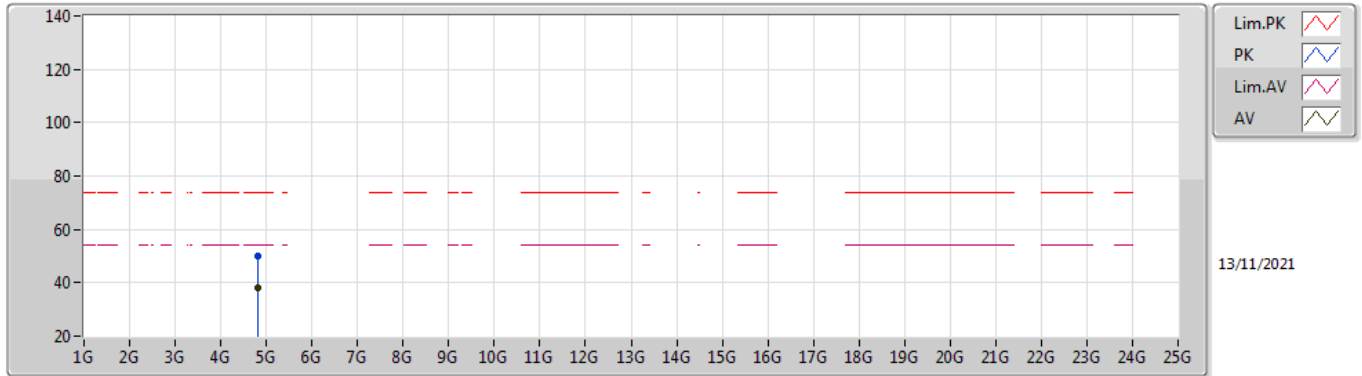
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3888G	49.54	54.00	-4.46	31.75	3	Horizontal	128	2.13	-	17.79	27.38	4.37	-
AV	2.4128G	102.61	Inf	-Inf	31.85	3	Horizontal	128	2.13	-	70.76	27.45	4.40	-
PK	2.389G	61.14	74.00	-12.86	31.75	3	Horizontal	128	2.13	-	29.39	27.38	4.37	-
PK	2.413G	110.86	Inf	-Inf	31.85	3	Horizontal	128	2.13	-	79.01	27.45	4.40	-

802.11g_Nss1,(6Mbps)_2TX

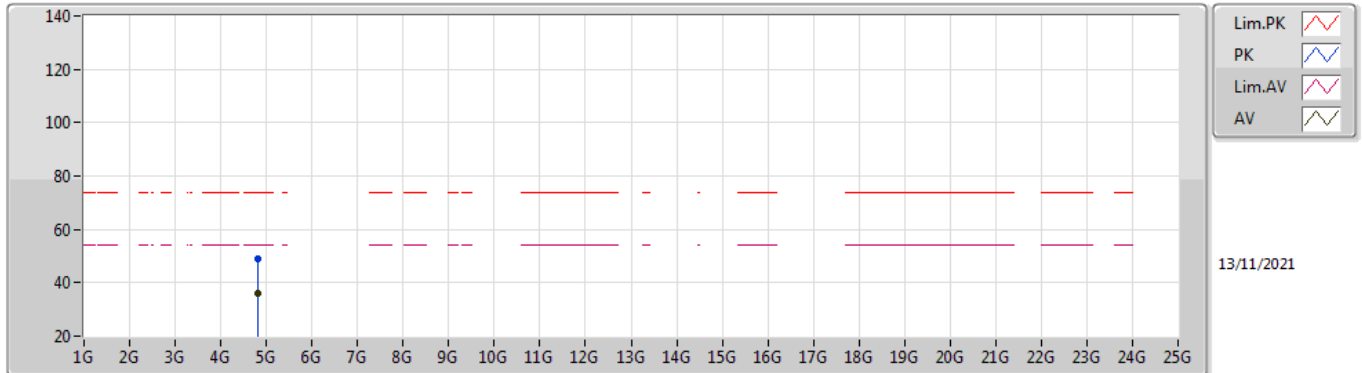
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82406G	38.18	54.00	-15.82	4.42	3	Vertical	93	1.54	-	33.76	32.60	6.27	34.45
PK	4.82472G	50.25	74.00	-23.75	4.42	3	Vertical	93	1.54	-	45.83	32.60	6.27	34.45

802.11g_Nss1,(6Mbps)_2TX

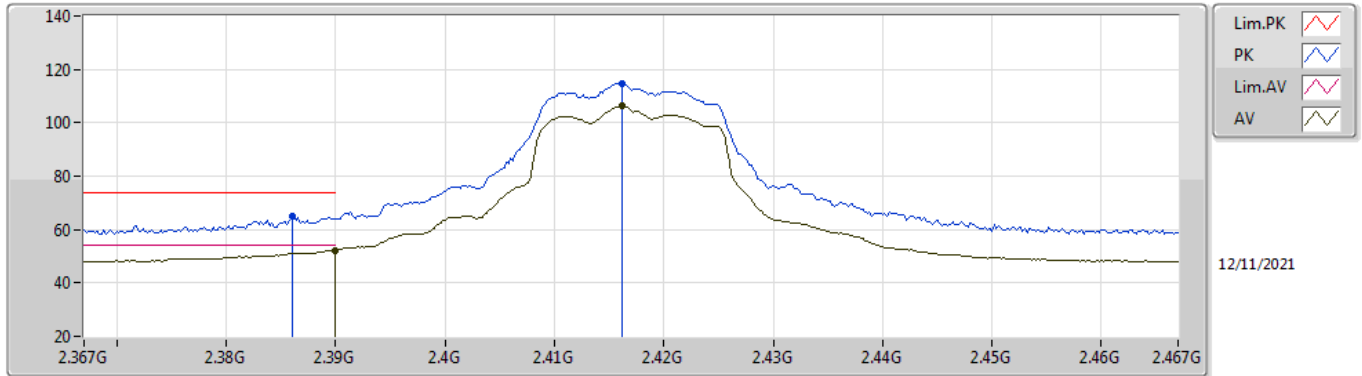
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82526G	36.09	54.00	-17.91	4.43	3	Horizontal	258	1.40	-	31.66	32.60	6.28	34.45
PK	4.82556G	48.74	74.00	-25.26	4.43	3	Horizontal	258	1.40	-	44.31	32.60	6.28	34.45

802.11g_Nss1,(6Mbps)_2TX

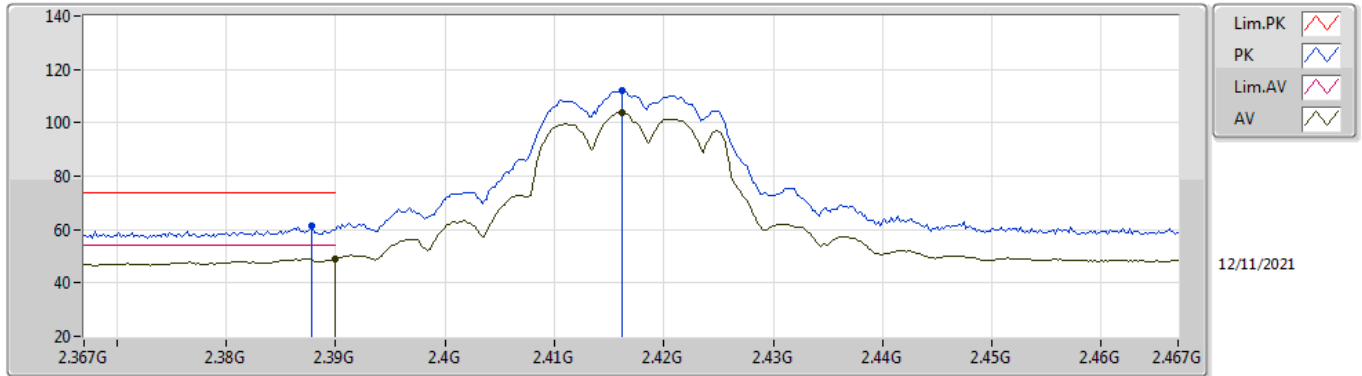
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4162G	106.24	Inf	-Inf	31.86	3	Vertical	242	1.55	-	74.38	27.46	4.40	-
AV	2.39G	52.14	54.00	-1.86	31.75	3	Vertical	242	1.55	-	20.39	27.38	4.37	-
PK	2.4162G	114.80	Inf	-Inf	31.86	3	Vertical	242	1.55	-	82.94	27.46	4.40	-
PK	2.386G	64.92	74.00	-9.08	31.74	3	Vertical	242	1.55	-	33.18	27.37	4.37	-

802.11g_Nss1,(6Mbps)_2TX

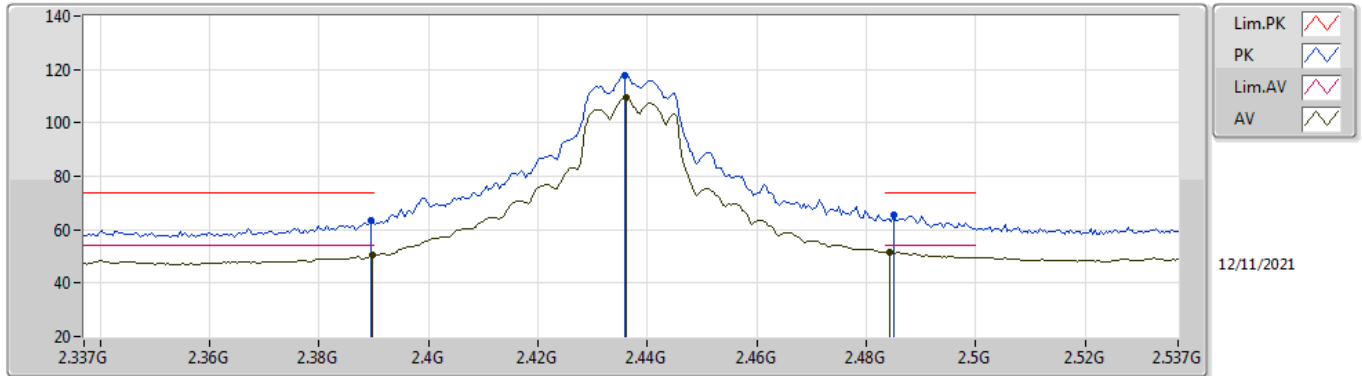
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	49.00	54.00	-5.00	31.75	3	Horizontal	140	2.00	-	17.25	27.38	4.37	-
AV	2.4162G	104.03	Inf	-Inf	31.86	3	Horizontal	140	2.00	-	72.17	27.46	4.40	-
PK	2.3878G	61.40	74.00	-12.60	31.75	3	Horizontal	140	2.00	-	29.65	27.38	4.37	-
PK	2.4162G	112.31	Inf	-Inf	31.86	3	Horizontal	140	2.00	-	80.45	27.46	4.40	-

802.11g_Nss1,(6Mbps)_2TX

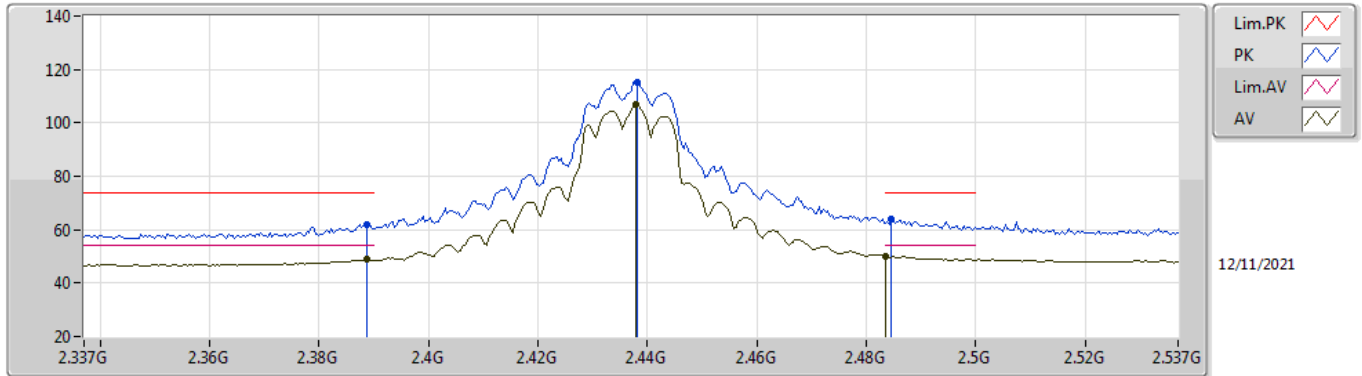
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	63.49	74.00	-10.51	31.75	3	Vertical	282	2.31	-	31.74	27.38	4.37	-
AV	2.3898G	50.39	54.00	-3.61	31.75	3	Vertical	282	2.31	-	18.64	27.38	4.37	-
PK	2.4358G	117.76	Inf	-Inf	31.97	3	Vertical	282	2.31	-	85.79	27.54	4.43	-
AV	2.4362G	109.45	Inf	-Inf	31.97	3	Vertical	282	2.31	-	77.48	27.54	4.43	-
PK	2.485G	65.61	74.00	-8.39	32.31	3	Vertical	282	2.31	-	33.30	27.81	4.50	-
AV	2.4842G	51.67	54.00	-2.33	32.31	3	Vertical	282	2.31	-	19.36	27.81	4.50	-

802.11g_Nss1,(6Mbps)_2TX

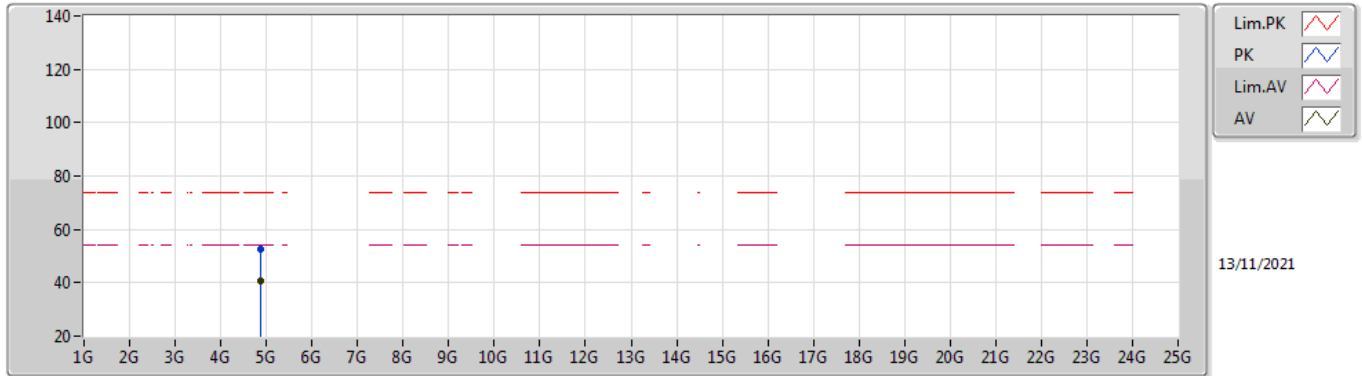
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3886G	48.80	54.00	-5.20	31.75	3	Horizontal	130	2.17	-	17.05	27.38	4.37	-
AV	2.4378G	106.72	Inf	-Inf	31.98	3	Horizontal	130	2.17	-	74.74	27.55	4.43	-
AV	2.4835G	50.14	54.00	-3.86	32.30	3	Horizontal	130	2.17	-	17.84	27.80	4.50	-
PK	2.3886G	62.02	74.00	-11.98	31.75	3	Horizontal	130	2.17	-	30.27	27.38	4.37	-
PK	2.4382G	115.24	Inf	-Inf	31.99	3	Horizontal	130	2.17	-	83.25	27.55	4.44	-
PK	2.4846G	63.83	74.00	-10.17	32.31	3	Horizontal	130	2.17	-	31.52	27.81	4.50	-

802.11g_Nss1,(6Mbps)_2TX

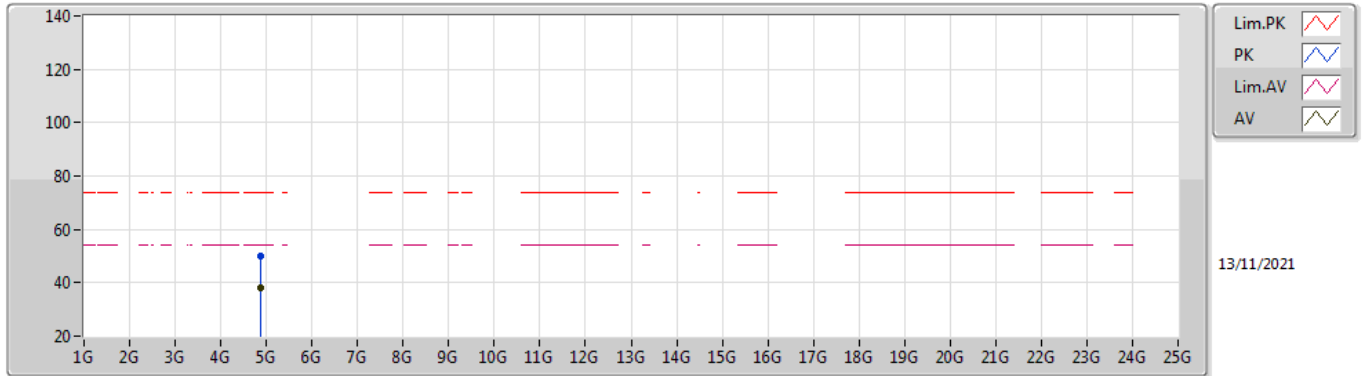
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8719G	40.56	54.00	-13.44	4.60	3	Vertical	94	1.19	-	35.96	32.74	6.30	34.44
PK	4.87688G	52.34	74.00	-21.66	4.62	3	Vertical	94	1.19	-	47.72	32.75	6.31	34.44

802.11g_Nss1,(6Mbps)_2TX

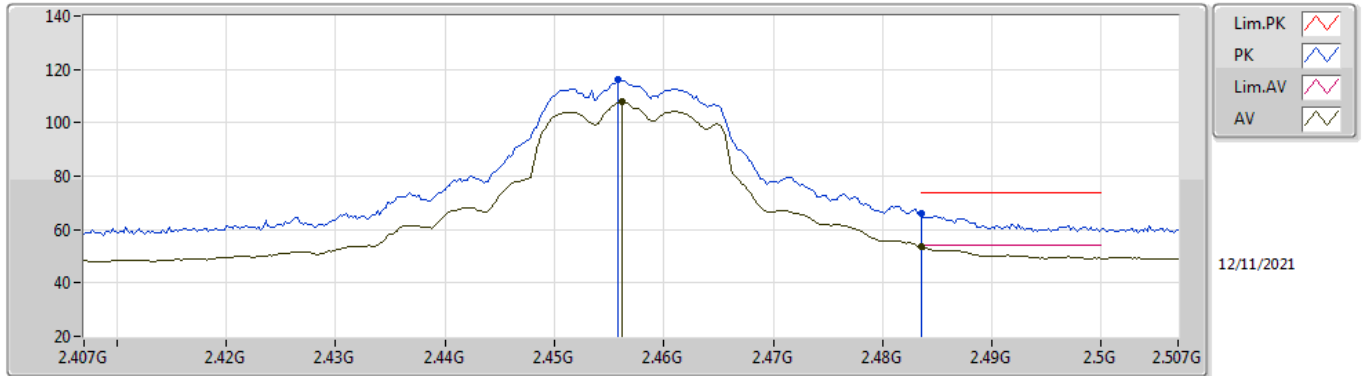
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87598G	38.35	54.00	-15.65	4.62	3	Horizontal	64	1.13	-	33.73	32.75	6.31	34.44
PK	4.87664G	49.79	74.00	-24.21	4.62	3	Horizontal	64	1.13	-	45.17	32.75	6.31	34.44

802.11g_Nss1,(6Mbps)_2TX

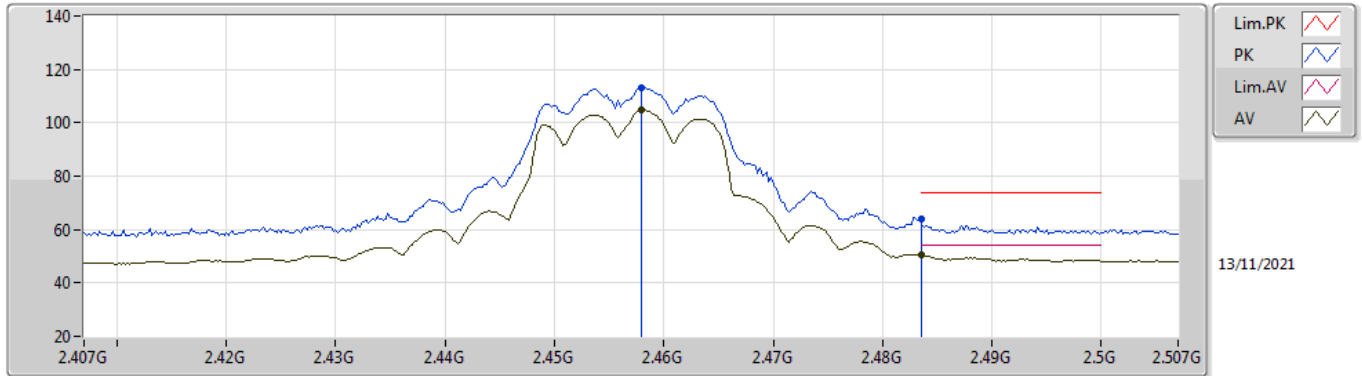
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4562G	107.73	Inf	-Inf	32.10	3	Vertical	284	2.24	-	75.63	27.64	4.46	-
AV	2.4835G	53.72	54.00	-0.28	32.30	3	Vertical	284	2.24	-	21.42	27.80	4.50	-
PK	2.4558G	115.98	Inf	-Inf	32.09	3	Vertical	284	2.24	-	83.89	27.63	4.46	-
PK	2.4835G	65.91	74.00	-8.09	32.30	3	Vertical	284	2.24	-	33.61	27.80	4.50	-

802.11g_Nss1,(6Mbps)_2TX

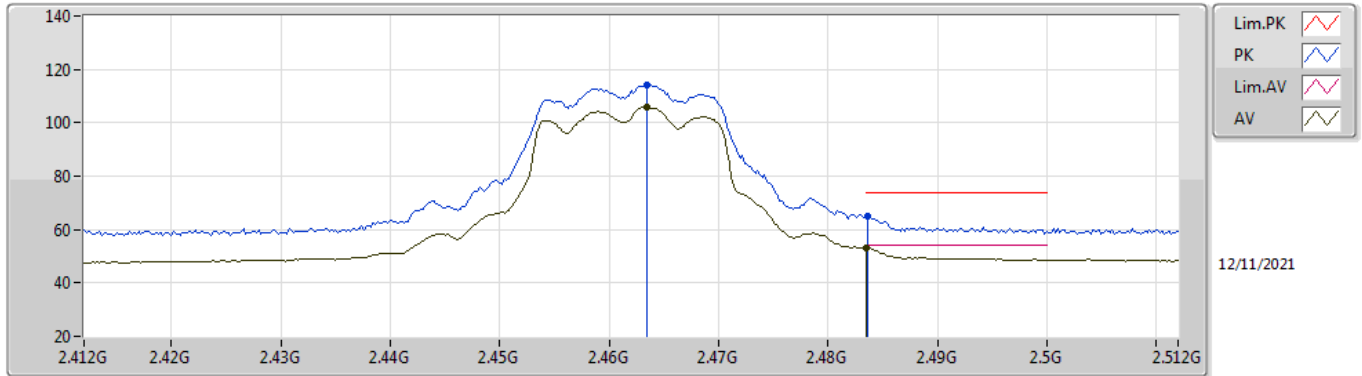
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.458G	104.59	Inf	-Inf	32.11	3	Horizontal	126	1.99	-	72.48	27.65	4.46	-
AV	2.4835G	50.50	54.00	-3.50	32.30	3	Horizontal	126	1.99	-	18.20	27.80	4.50	-
PK	2.458G	113.17	Inf	-Inf	32.11	3	Horizontal	126	1.99	-	81.06	27.65	4.46	-
PK	2.4835G	63.74	74.00	-10.26	32.30	3	Horizontal	126	1.99	-	31.44	27.80	4.50	-

802.11g_Nss1,(6Mbps)_2TX

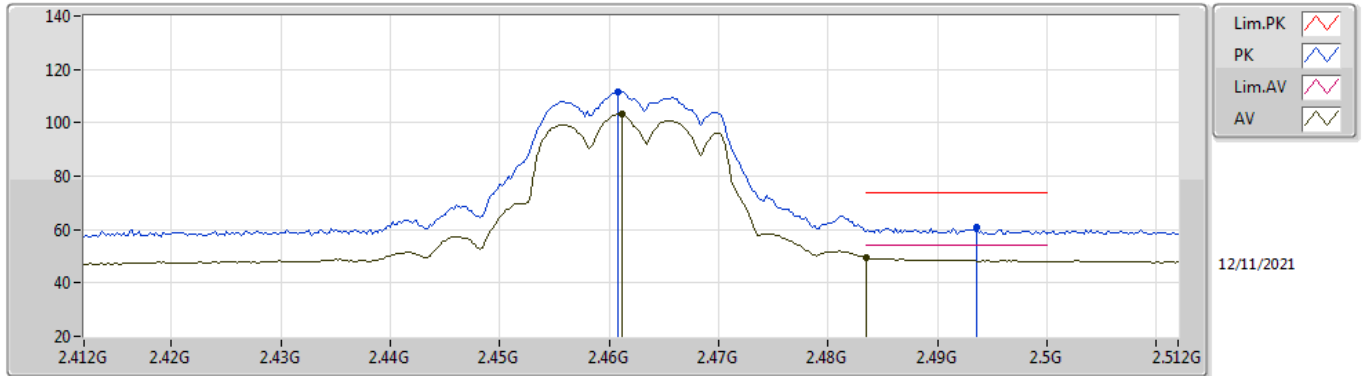
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4634G	105.81	Inf	-Inf	32.15	3	Vertical	284	2.14	-	73.66	27.68	4.47	-
AV	2.4835G	53.09	54.00	-0.91	32.30	3	Vertical	284	2.14	-	20.79	27.80	4.50	-
PK	2.4634G	114.25	Inf	-Inf	32.15	3	Vertical	284	2.14	-	82.10	27.68	4.47	-
PK	2.4836G	64.93	74.00	-9.07	32.30	3	Vertical	284	2.14	-	32.63	27.80	4.50	-

802.11g_Nss1,(6Mbps)_2TX

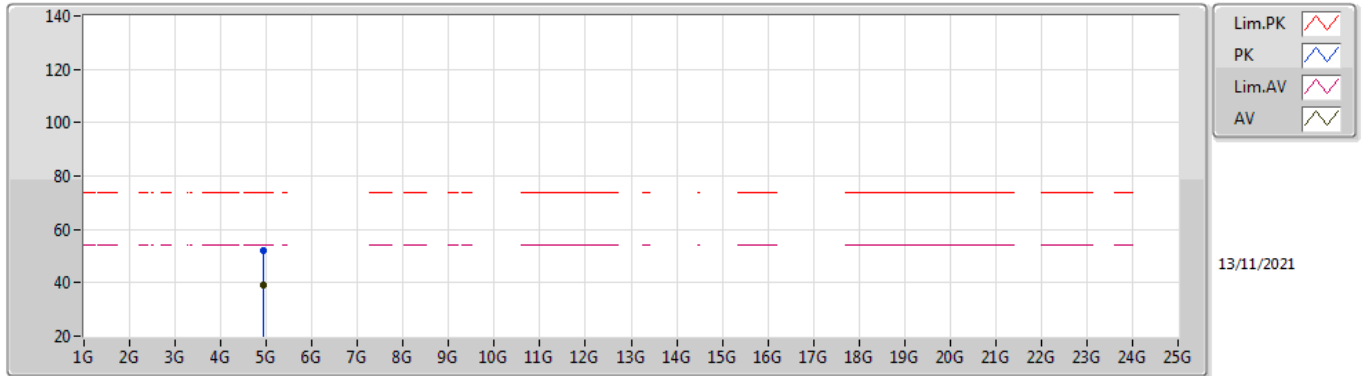
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	103.15	Inf	-Inf	32.14	3	Horizontal	133	2.13	-	71.01	27.67	4.47	-
AV	2.4835G	49.57	54.00	-4.43	32.30	3	Horizontal	133	2.13	-	17.27	27.80	4.50	-
PK	2.4608G	111.64	Inf	-Inf	32.13	3	Horizontal	133	2.13	-	79.51	27.66	4.47	-
PK	2.4936G	60.74	74.00	-13.26	32.38	3	Horizontal	133	2.13	-	28.36	27.86	4.52	-

802.11g_Nss1,(6Mbps)_2TX

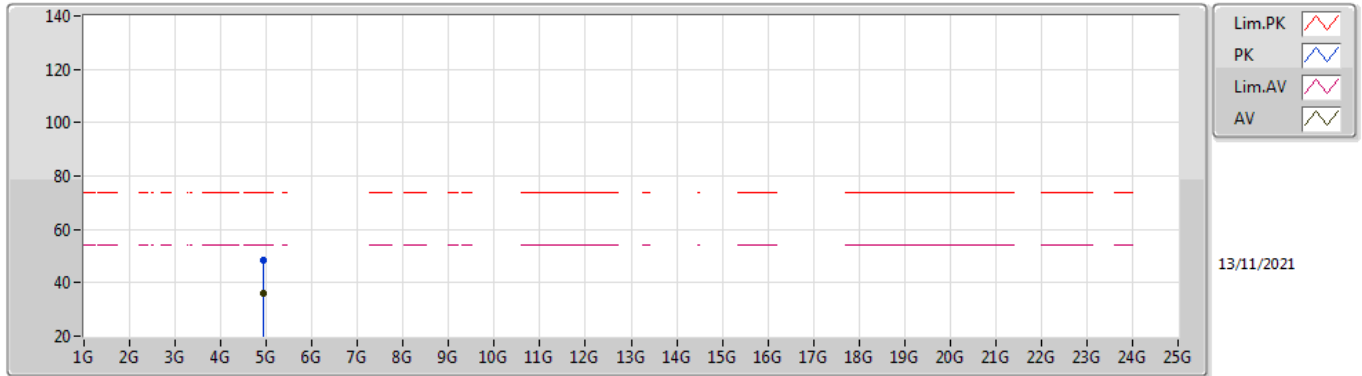
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92232G	39.04	54.00	-14.96	4.82	3	Vertical	94	1.23	-	34.22	32.93	6.33	34.44
PK	4.92676G	52.03	74.00	-21.97	4.86	3	Vertical	94	1.23	-	47.17	32.96	6.34	34.44

802.11g_Nss1,(6Mbps)_2TX

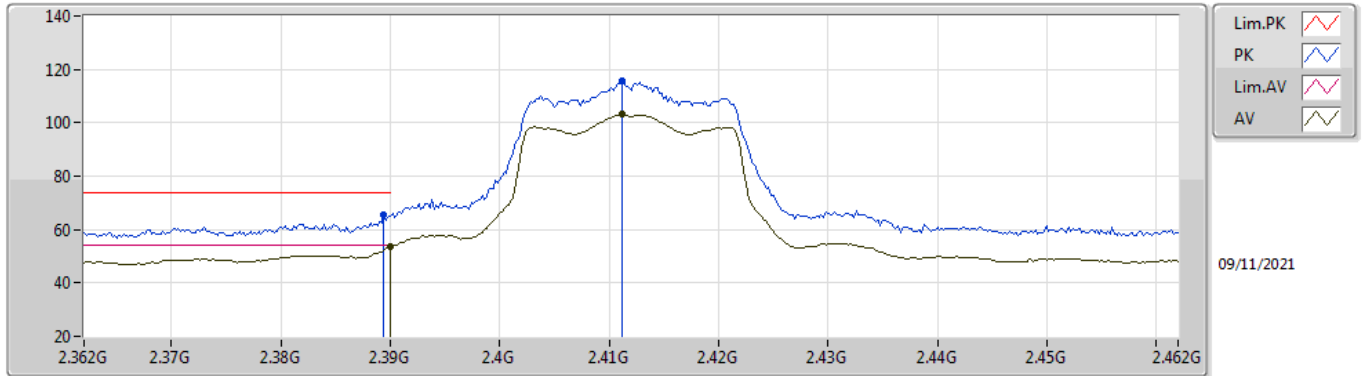
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92172G	36.25	54.00	-17.75	4.82	3	Horizontal	70	1.07	-	31.43	32.93	6.33	34.44
PK	4.92682G	48.46	74.00	-25.54	4.86	3	Horizontal	70	1.07	-	43.60	32.96	6.34	34.44

802.11ax HEW20_Nss1,(MCS0)_2TX

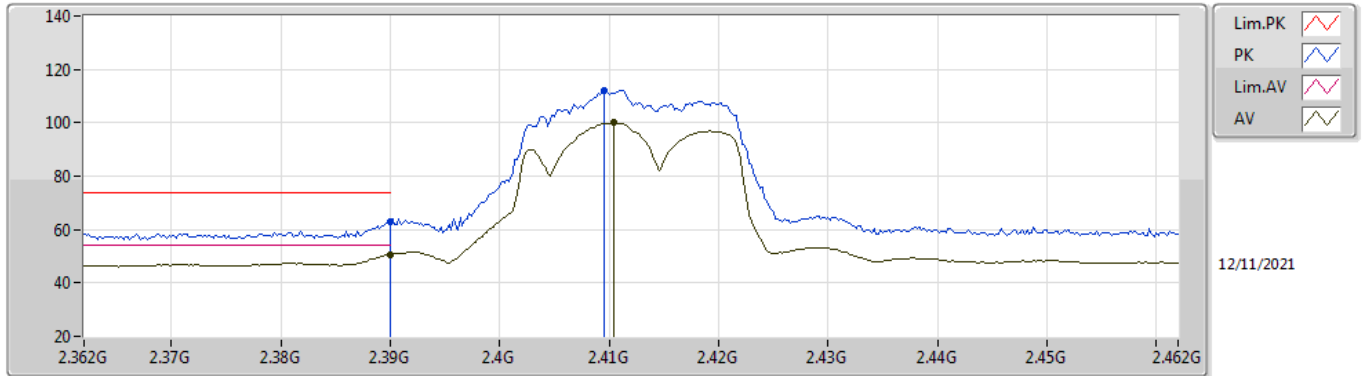
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.70	54.00	-0.30	31.75	3	Vertical	266	2.03	-	21.95	27.38	4.37	-
AV	2.4112G	103.04	Inf	-Inf	31.84	3	Vertical	266	2.03	-	71.20	27.44	4.40	-
PK	2.3894G	65.59	74.00	-8.41	31.75	3	Vertical	266	2.03	-	33.84	27.38	4.37	-
PK	2.4112G	115.58	Inf	-Inf	31.84	3	Vertical	266	2.03	-	83.74	27.44	4.40	-

802.11ax HEW20_Nss1,(MCS0)_2TX

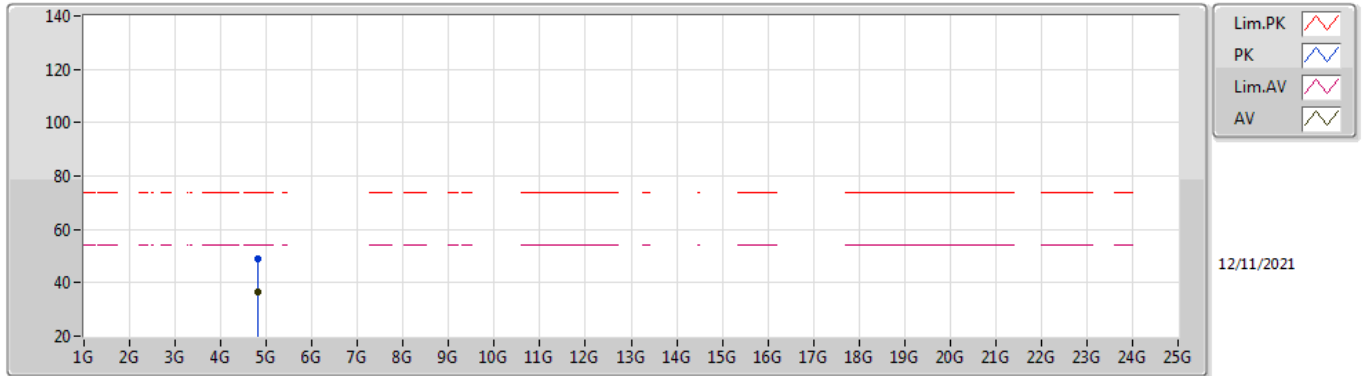
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	50.71	54.00	-3.29	31.75	3	Horizontal	138	1.98	-	18.96	27.38	4.37	-
AV	2.4104G	100.01	Inf	-Inf	31.84	3	Horizontal	138	1.98	-	68.17	27.44	4.40	-
PK	2.39G	62.87	74.00	-11.13	31.75	3	Horizontal	138	1.98	-	31.12	27.38	4.37	-
PK	2.4096G	111.92	Inf	-Inf	31.83	3	Horizontal	138	1.98	-	80.09	27.44	4.39	-

802.11ax HEW20_Nss1,(MCS0)_2TX

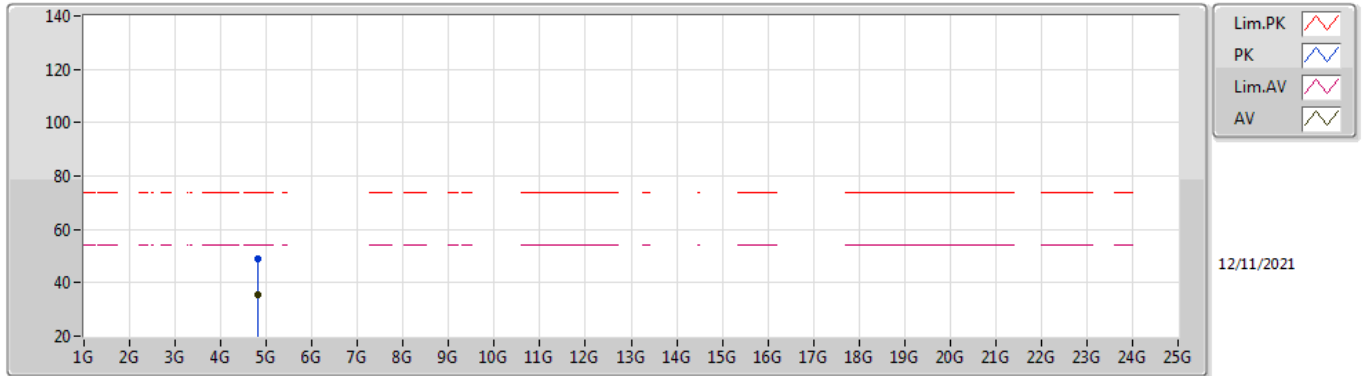
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82392G	36.38	54.00	-17.62	4.42	3	Vertical	95	1.54	-	31.96	32.60	6.27	34.45
PK	4.82468G	49.05	74.00	-24.95	4.42	3	Vertical	95	1.54	-	44.63	32.60	6.27	34.45

802.11ax HEW20_Nss1,(MCS0)_2TX

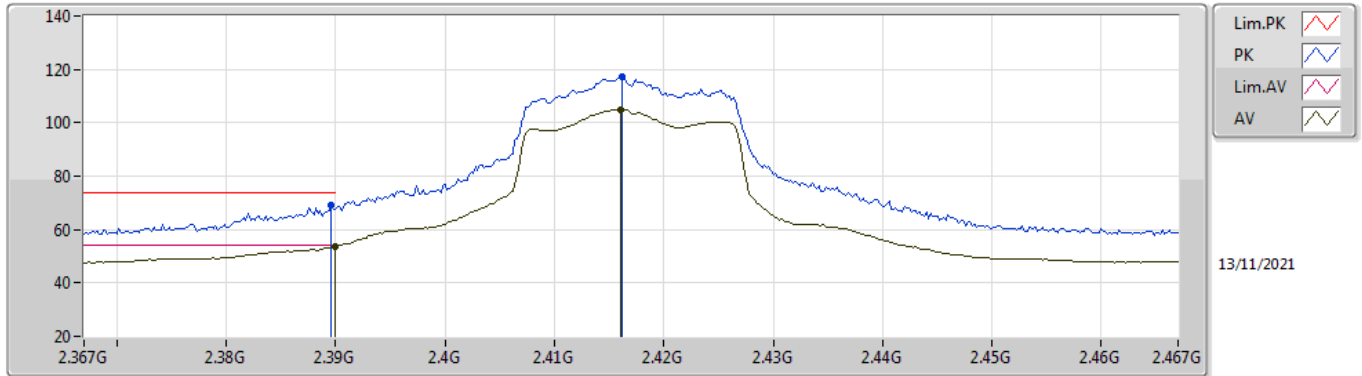
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82692G	35.63	54.00	-18.37	4.44	3	Horizontal	122	2.03	-	31.19	32.61	6.28	34.45
PK	4.8274G	48.94	74.00	-25.06	4.44	3	Horizontal	122	2.03	-	44.50	32.61	6.28	34.45

802.11ax HEW20_Nss1,(MCS0)_2TX

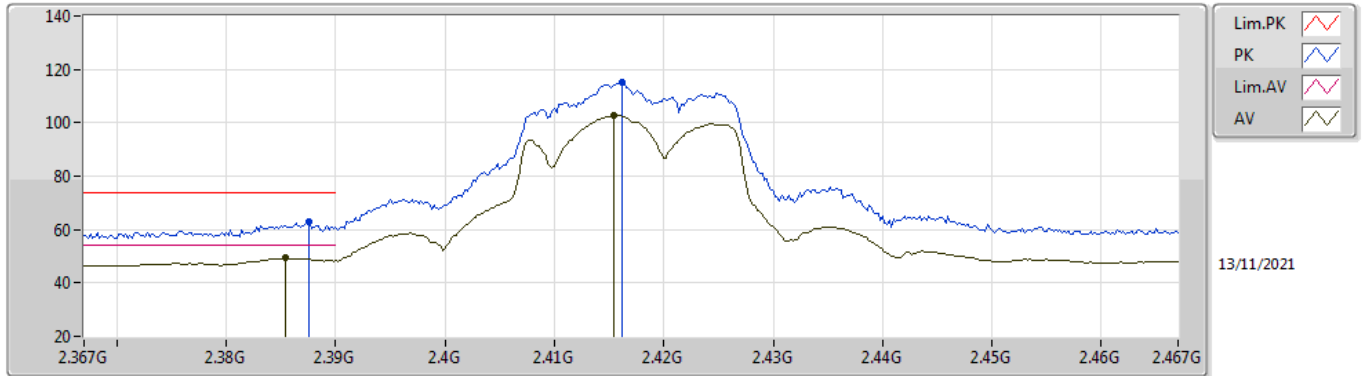
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.59	54.00	-0.41	31.75	3	Vertical	243	1.54	-	21.84	27.38	4.37	-
AV	2.416G	104.97	Inf	-Inf	31.86	3	Vertical	243	1.54	-	73.11	27.46	4.40	-
PK	2.3896G	69.38	74.00	-4.62	31.75	3	Vertical	243	1.54	-	37.63	27.38	4.37	-
PK	2.4162G	117.28	Inf	-Inf	31.86	3	Vertical	243	1.54	-	85.42	27.46	4.40	-

802.11ax HEW20_Nss1,(MCS0)_2TX

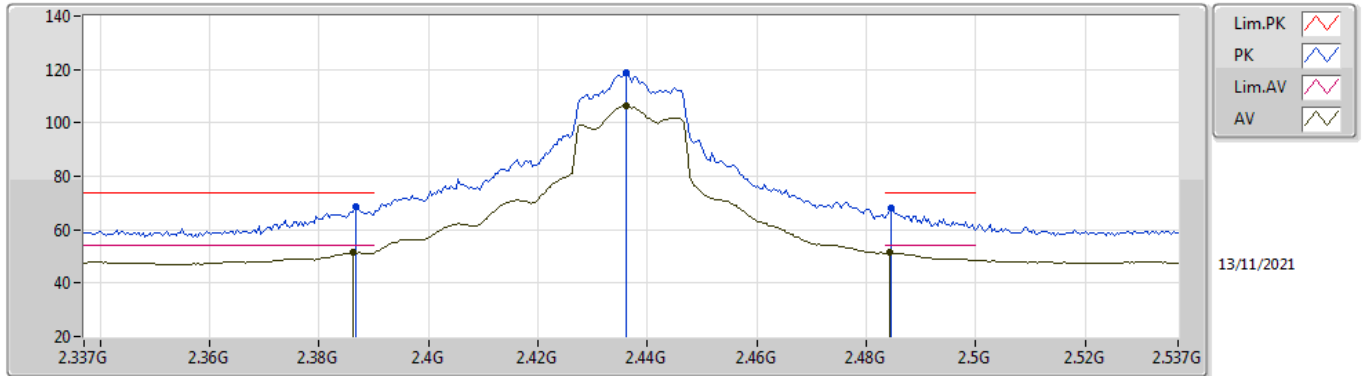
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3854G	49.32	54.00	-4.68	31.73	3	Horizontal	139	2.00	-	17.59	27.37	4.36	-
AV	2.4154G	102.57	Inf	-Inf	31.86	3	Horizontal	139	2.00	-	70.71	27.46	4.40	-
PK	2.3876G	62.70	74.00	-11.30	31.75	3	Horizontal	139	2.00	-	30.95	27.38	4.37	-
PK	2.4162G	115.08	Inf	-Inf	31.86	3	Horizontal	139	2.00	-	83.22	27.46	4.40	-

802.11ax HEW20_Nss1,(MCS0)_2TX

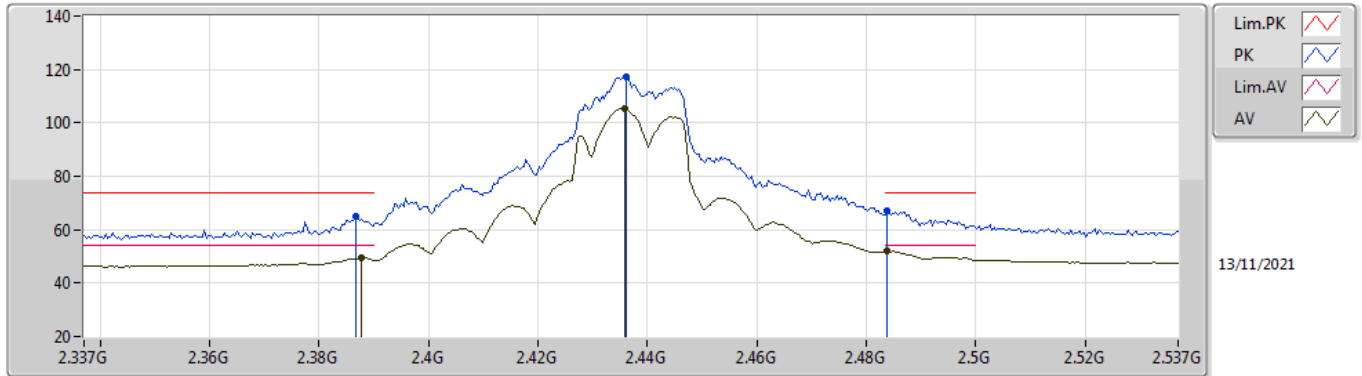
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3862G	51.56	54.00	-2.44	31.74	3	Vertical	240	1.77	-	19.82	27.37	4.37	-
AV	2.4362G	106.53	Inf	-Inf	31.97	3	Vertical	240	1.77	-	74.56	27.54	4.43	-
AV	2.4842G	51.51	54.00	-2.49	32.31	3	Vertical	240	1.77	-	19.20	27.81	4.50	-
PK	2.3866G	68.51	74.00	-5.49	31.74	3	Vertical	240	1.77	-	36.77	27.37	4.37	-
PK	2.4362G	118.97	Inf	-Inf	31.97	3	Vertical	240	1.77	-	87.00	27.54	4.43	-
PK	2.4846G	67.94	74.00	-6.06	32.31	3	Vertical	240	1.77	-	35.63	27.81	4.50	-

802.11ax HEW20_Nss1,(MCS0)_2TX

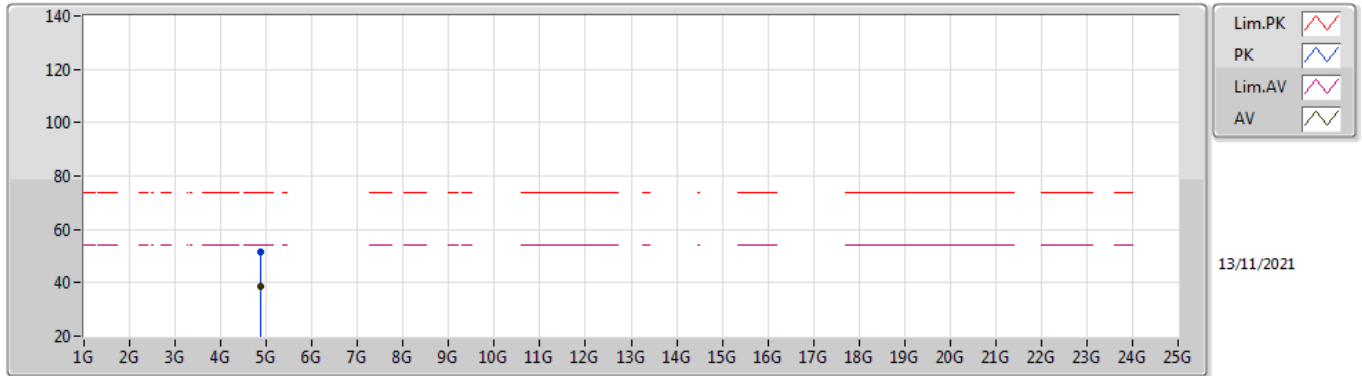
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	49.36	54.00	-4.64	31.75	3	Horizontal	141	1.94	-	17.61	27.38	4.37	-
AV	2.4358G	105.34	Inf	-Inf	31.97	3	Horizontal	141	1.94	-	73.37	27.54	4.43	-
AV	2.4838G	51.96	54.00	-2.04	32.30	3	Horizontal	141	1.94	-	19.66	27.80	4.50	-
PK	2.3866G	64.98	74.00	-9.02	31.74	3	Horizontal	141	1.94	-	33.24	27.37	4.37	-
PK	2.4362G	117.49	Inf	-Inf	31.97	3	Horizontal	141	1.94	-	85.52	27.54	4.43	-
PK	2.4838G	66.87	74.00	-7.13	32.30	3	Horizontal	141	1.94	-	34.57	27.80	4.50	-

802.11ax HEW20_Nss1,(MCS0)_2TX

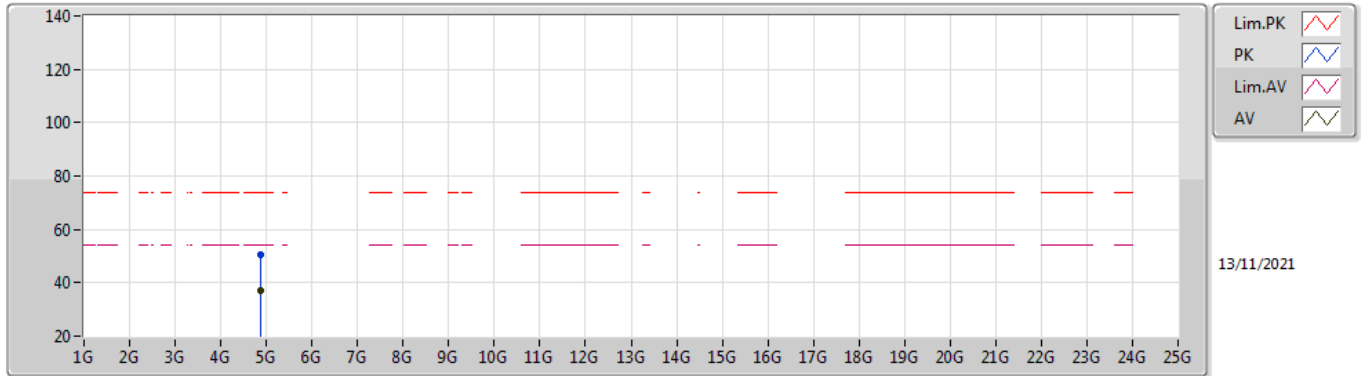
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87064G	38.58	54.00	-15.42	4.60	3	Vertical	92	1.32	-	33.98	32.74	6.30	34.44
PK	4.87656G	51.48	74.00	-22.52	4.62	3	Vertical	92	1.32	-	46.86	32.75	6.31	34.44

802.11ax HEW20_Nss1,(MCS0)_2TX

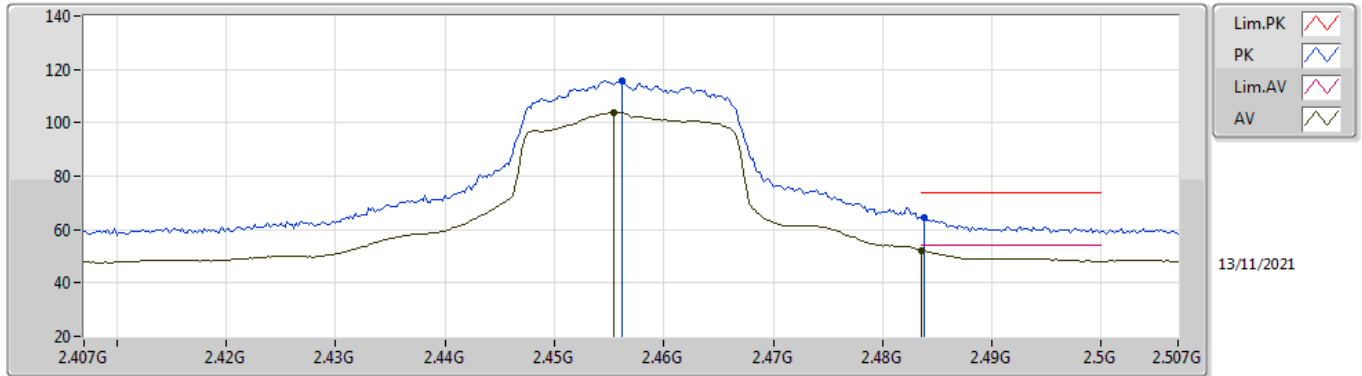
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87848G	36.85	54.00	-17.15	4.63	3	Horizontal	65	1.14	-	32.22	32.76	6.31	34.44
PK	4.8764G	50.48	74.00	-23.52	4.62	3	Horizontal	65	1.14	-	45.86	32.75	6.31	34.44

802.11ax HEW20_Nss1,(MCS0)_2TX

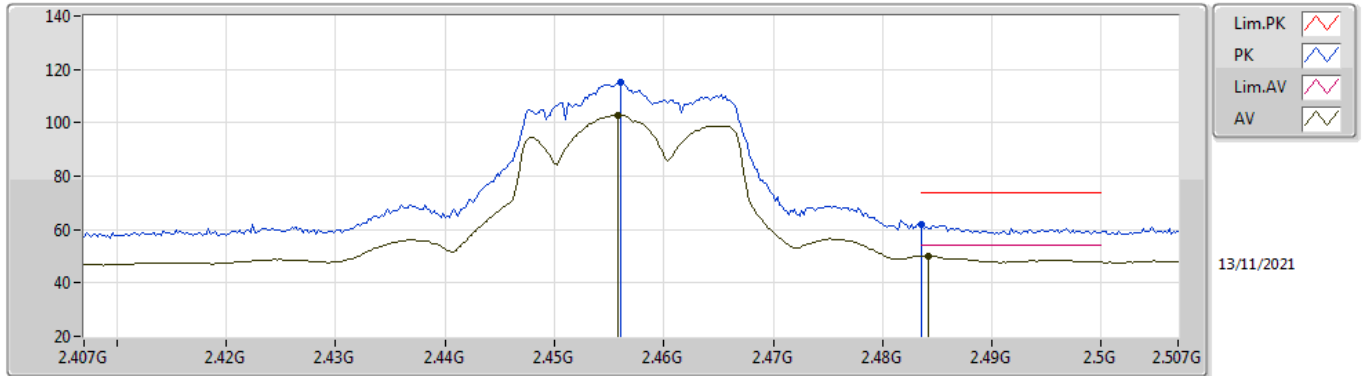
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4554G	103.80	Inf	-Inf	32.09	3	Vertical	253	2.06	-	71.71	27.63	4.46	-
AV	2.4835G	52.26	54.00	-1.74	32.30	3	Vertical	253	2.06	-	19.96	27.80	4.50	-
PK	2.4562G	115.88	Inf	-Inf	32.10	3	Vertical	253	2.06	-	83.78	27.64	4.46	-
PK	2.4838G	64.69	74.00	-9.31	32.30	3	Vertical	253	2.06	-	32.39	27.80	4.50	-

802.11ax HEW20_Nss1,(MCS0)_2TX

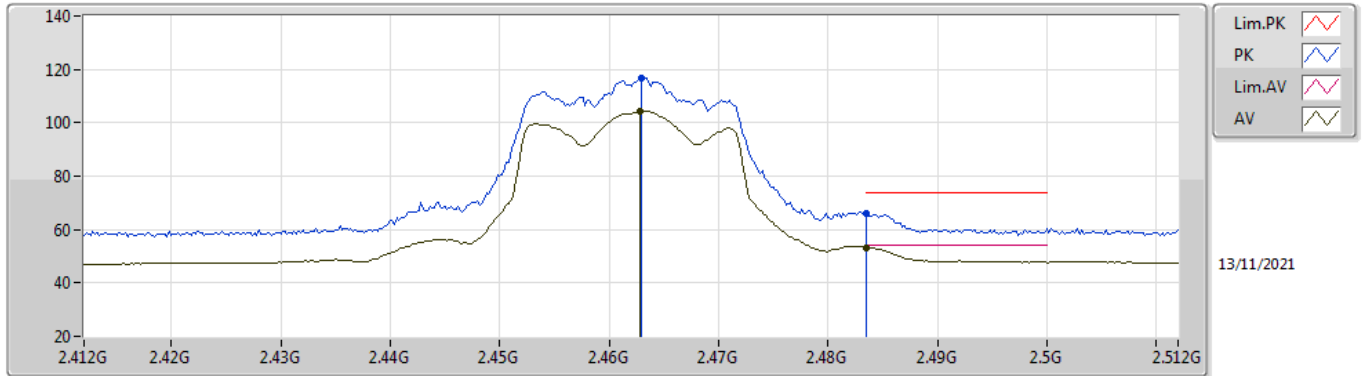
2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4558G	102.87	Inf	-Inf	32.09	3	Horizontal	135	1.99	-	70.78	27.63	4.46	-
AV	2.4842G	49.96	54.00	-4.04	32.31	3	Horizontal	135	1.99	-	17.65	27.81	4.50	-
PK	2.456G	115.23	Inf	-Inf	32.10	3	Horizontal	135	1.99	-	83.13	27.64	4.46	-
PK	2.4835G	61.72	74.00	-12.28	32.30	3	Horizontal	135	1.99	-	29.42	27.80	4.50	-

802.11ax HEW20_Nss1,(MCS0)_2TX

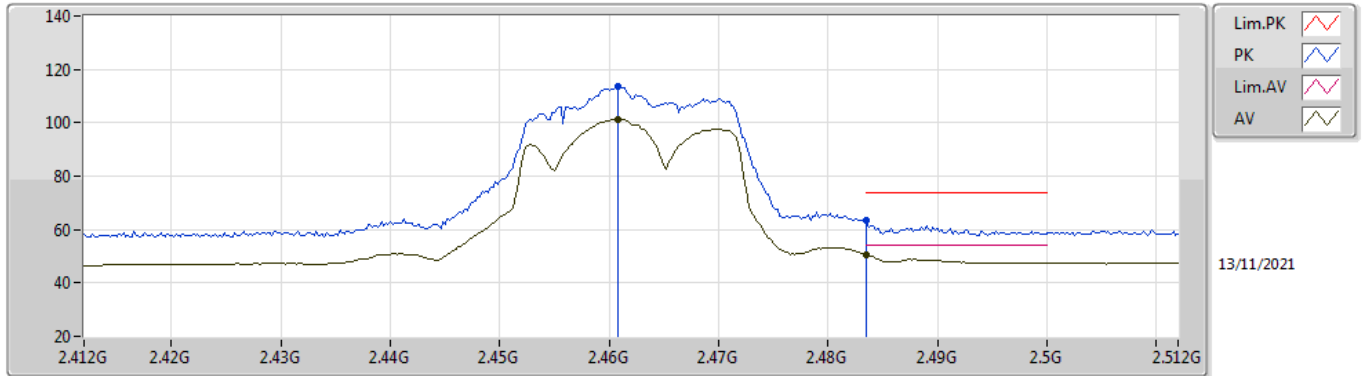
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4628G	104.46	Inf	-Inf	32.15	3	Vertical	303	2.57	-	72.31	27.68	4.47	-
AV	2.4835G	53.35	54.00	-0.65	32.30	3	Vertical	303	2.57	-	21.05	27.80	4.50	-
PK	2.463G	116.63	Inf	-Inf	32.15	3	Vertical	303	2.57	-	84.48	27.68	4.47	-
PK	2.4835G	66.00	74.00	-8.00	32.30	3	Vertical	303	2.57	-	33.70	27.80	4.50	-

802.11ax HEW20_Nss1,(MCS0)_2TX

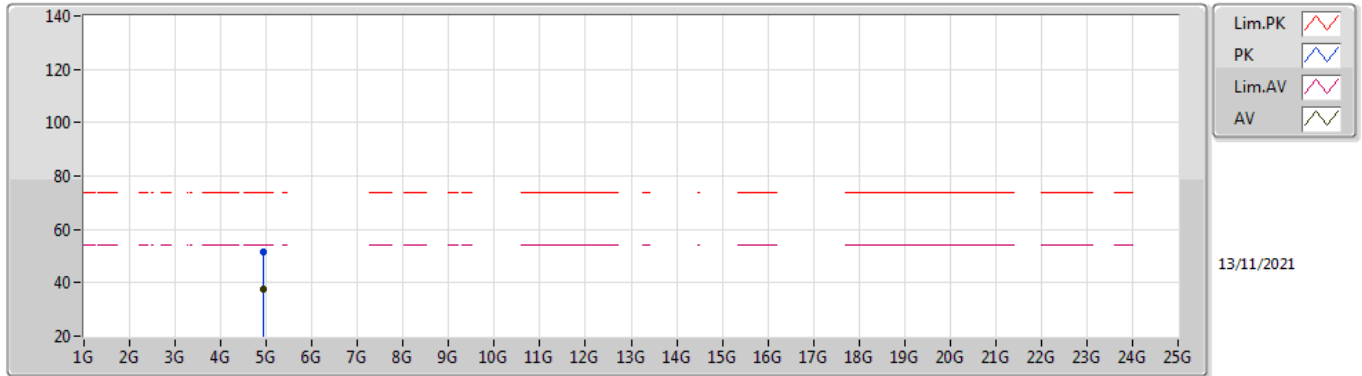
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4608G	101.32	Inf	-Inf	32.13	3	Horizontal	142	2.14	-	69.19	27.66	4.47	-
AV	2.4835G	50.68	54.00	-3.32	32.30	3	Horizontal	142	2.14	-	18.38	27.80	4.50	-
PK	2.4608G	113.55	Inf	-Inf	32.13	3	Horizontal	142	2.14	-	81.42	27.66	4.47	-
PK	2.4835G	63.39	74.00	-10.61	32.30	3	Horizontal	142	2.14	-	31.09	27.80	4.50	-

802.11ax HEW20_Nss1,(MCS0)_2TX

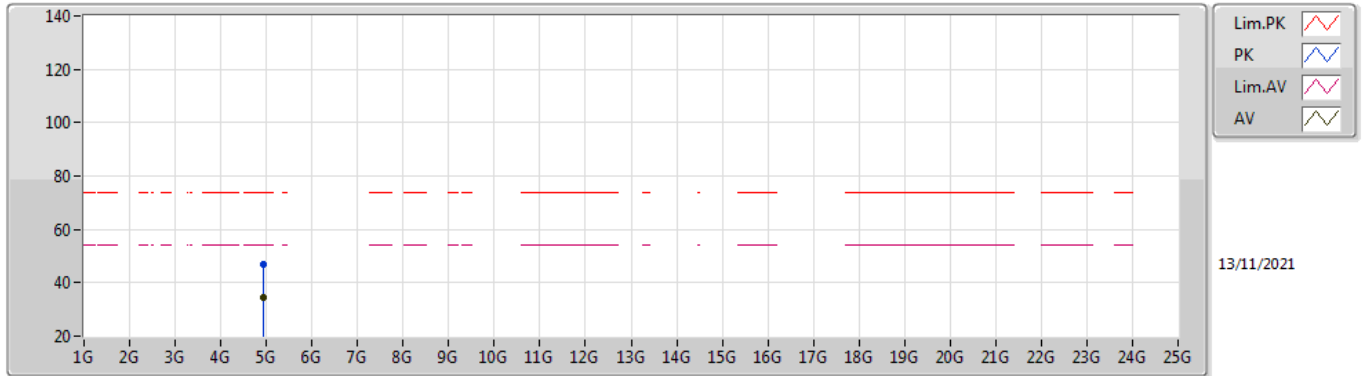
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92056G	37.55	54.00	-16.45	4.81	3	Vertical	95	1.29	-	32.74	32.92	6.33	34.44
PK	4.92264G	51.42	74.00	-22.58	4.83	3	Vertical	95	1.29	-	46.59	32.94	6.33	34.44

802.11ax HEW20_Nss1,(MCS0)_2TX

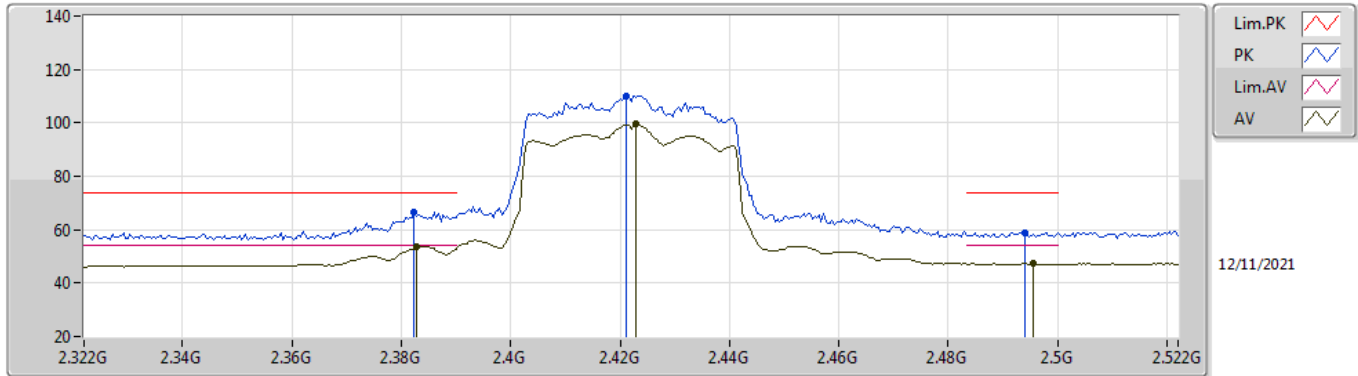
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92104G	34.43	54.00	-19.57	4.82	3	Horizontal	48	1.28	-	29.61	32.93	6.33	34.44
PK	4.93064G	46.96	74.00	-27.04	4.88	3	Horizontal	48	1.28	-	42.08	32.98	6.34	34.44

802.11ax HEW40_Nss1,(MCS0)_2TX

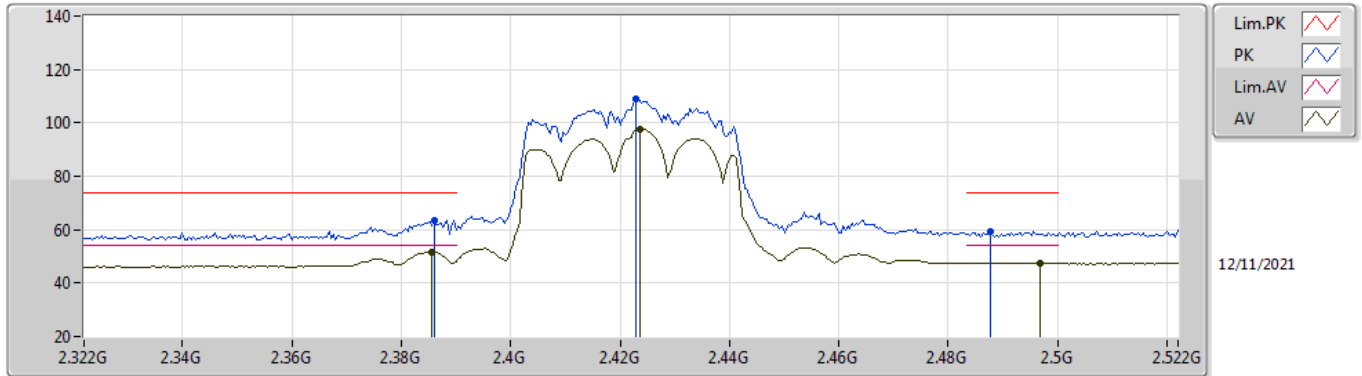
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3828G	53.54	54.00	-0.46	31.73	3	Vertical	260	1.83	-	21.81	27.37	4.36	-
AV	2.4228G	99.67	Inf	-Inf	31.90	3	Vertical	260	1.83	-	67.77	27.49	4.41	-
AV	2.4956G	47.31	54.00	-6.69	32.39	3	Vertical	260	1.83	-	14.92	27.87	4.52	-
PK	2.3824G	66.61	74.00	-7.39	31.72	3	Vertical	260	1.83	-	34.89	27.36	4.36	-
PK	2.4212G	110.20	Inf	-Inf	31.89	3	Vertical	260	1.83	-	78.31	27.48	4.41	-
PK	2.494G	58.99	74.00	-15.01	32.38	3	Vertical	260	1.83	-	26.61	27.86	4.52	-

802.11ax HEW40_Nss1,(MCS0)_2TX

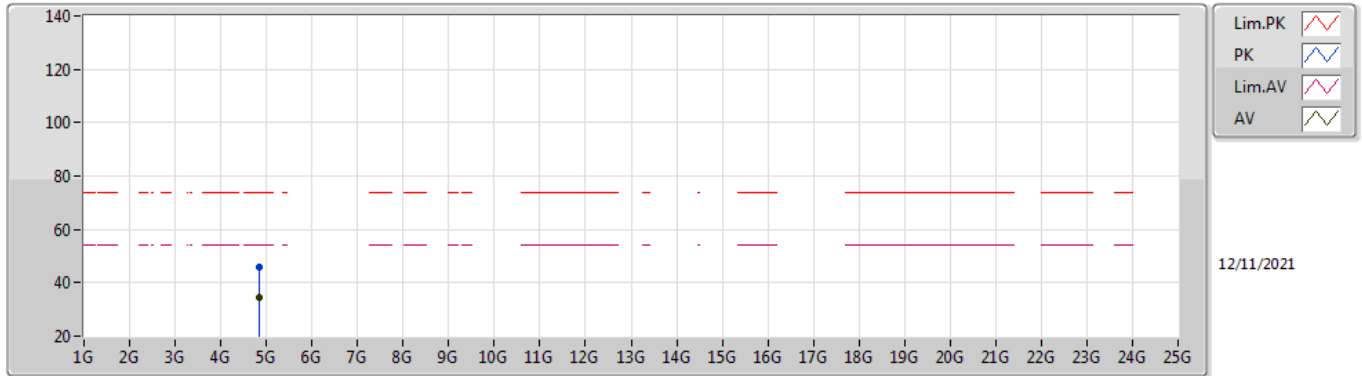
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3856G	51.68	54.00	-2.32	31.73	3	Horizontal	133	2.26	-	19.95	27.37	4.36	-
AV	2.4236G	97.59	Inf	-Inf	31.90	3	Horizontal	133	2.26	-	65.69	27.49	4.41	-
AV	2.4968G	47.64	54.00	-6.36	32.40	3	Horizontal	133	2.26	-	15.24	27.88	4.52	-
PK	2.386G	63.63	74.00	-10.37	31.74	3	Horizontal	133	2.26	-	31.89	27.37	4.37	-
PK	2.4228G	108.75	Inf	-Inf	31.90	3	Horizontal	133	2.26	-	76.85	27.49	4.41	-
PK	2.4876G	59.49	74.00	-14.51	32.34	3	Horizontal	133	2.26	-	27.15	27.83	4.51	-

802.11ax HEW40_Nss1,(MCS0)_2TX

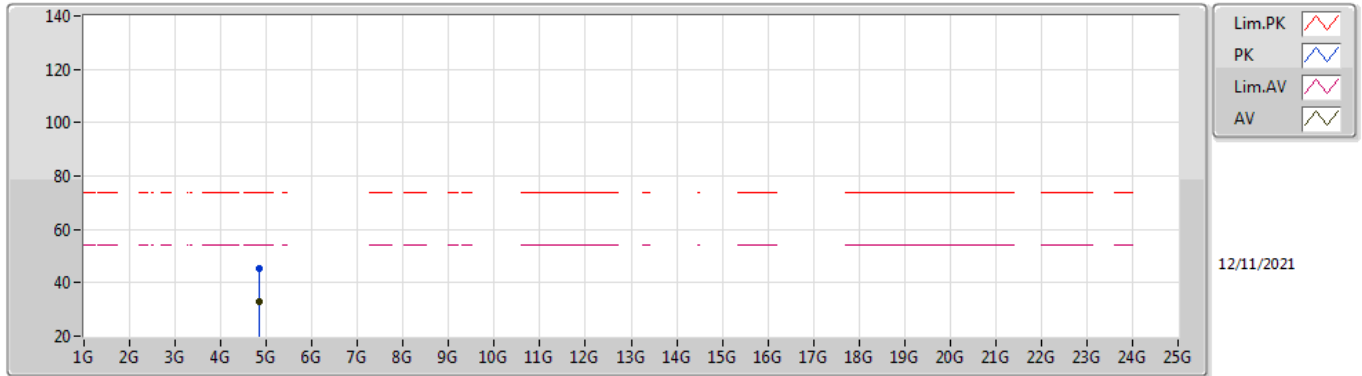
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.844G	34.33	54.00	-19.67	4.52	3	Vertical	89	1.50	-	29.81	32.68	6.29	34.45
PK	4.84368G	45.68	74.00	-28.32	4.51	3	Vertical	89	1.50	-	41.17	32.67	6.29	34.45

802.11ax HEW40_Nss1,(MCS0)_2TX

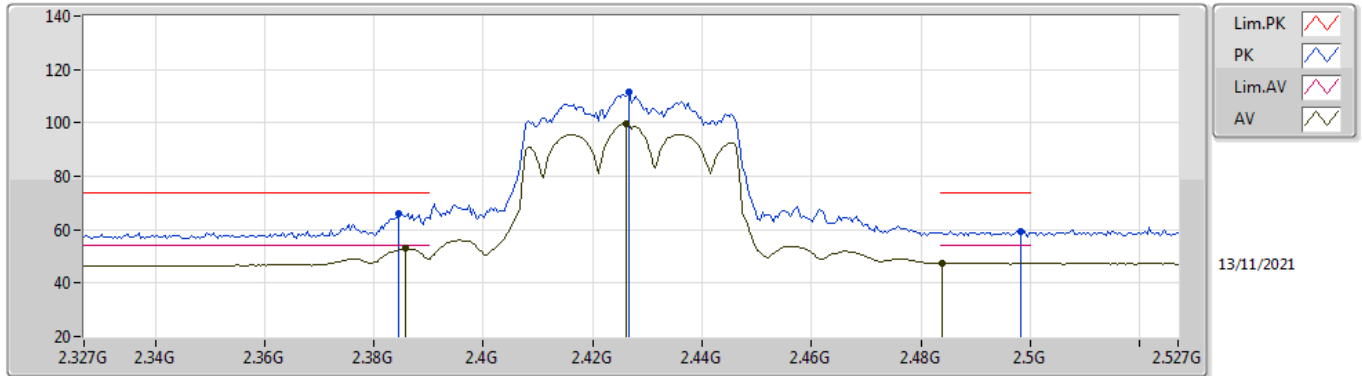
2422MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.84G	32.88	54.00	-21.12	4.49	3	Horizontal	103	1.87	-	28.39	32.66	6.28	34.45
PK	4.85448G	45.41	74.00	-28.59	4.56	3	Horizontal	103	1.87	-	40.85	32.71	6.29	34.44

802.11ax HEW40_Nss1,(MCS0)_2TX

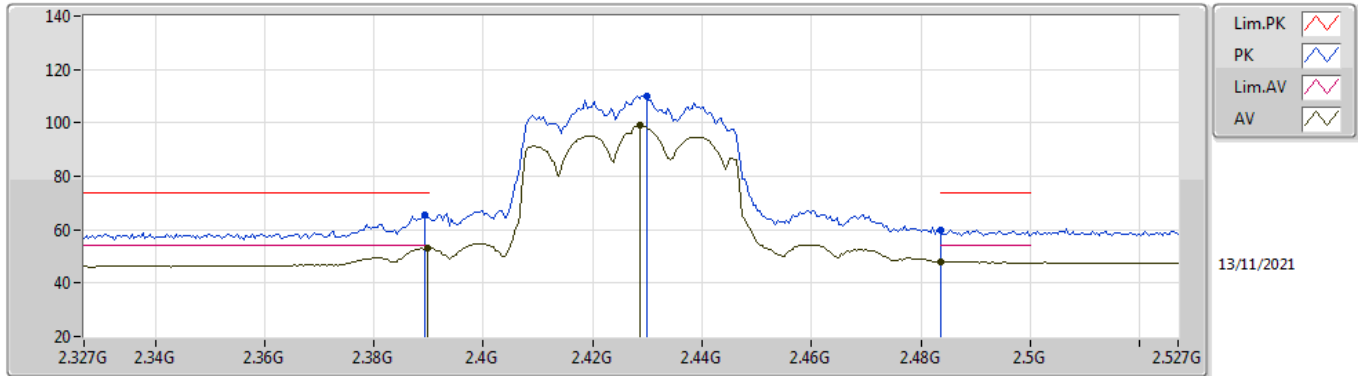
2427MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3858G	52.97	54.00	-1.03	31.74	3	Vertical	143	2.08	-	21.23	27.37	4.37	-
AV	2.4262G	99.85	Inf	-Inf	31.92	3	Vertical	143	2.08	-	67.93	27.50	4.42	-
AV	2.4838G	47.58	54.00	-6.42	32.30	3	Vertical	143	2.08	-	15.28	27.80	4.50	-
PK	2.3846G	66.08	74.00	-7.92	31.73	3	Vertical	143	2.08	-	34.35	27.37	4.36	-
PK	2.4266G	111.37	Inf	-Inf	31.93	3	Vertical	143	2.08	-	79.44	27.51	4.42	-
PK	2.4982G	59.33	74.00	-14.67	32.41	3	Vertical	143	2.08	-	26.92	27.89	4.52	-

802.11ax HEW40_Nss1,(MCS0)_2TX

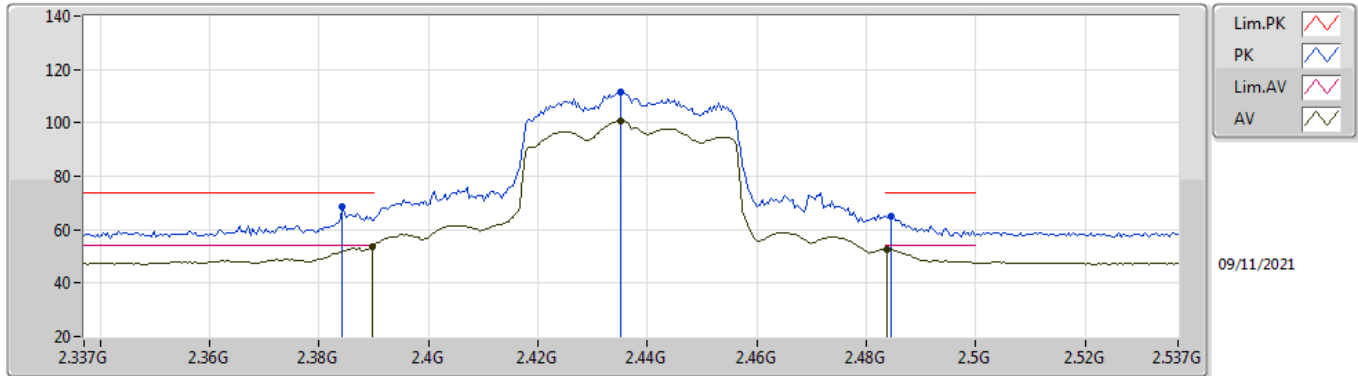
2427MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	52.89	54.00	-1.11	31.75	3	Horizontal	128	2.18	-	21.14	27.38	4.37	-
AV	2.4286G	98.92	Inf	-Inf	31.93	3	Horizontal	128	2.18	-	66.99	27.51	4.42	-
AV	2.4835G	48.06	54.00	-5.94	32.30	3	Horizontal	128	2.18	-	15.76	27.80	4.50	-
PK	2.3894G	65.50	74.00	-8.50	31.75	3	Horizontal	128	2.18	-	33.75	27.38	4.37	-
PK	2.4298G	110.17	Inf	-Inf	31.94	3	Horizontal	128	2.18	-	78.23	27.52	4.42	-
PK	2.4835G	60.06	74.00	-13.94	32.30	3	Horizontal	128	2.18	-	27.76	27.80	4.50	-

802.11ax HEW40_Nss1,(MCS0)_2TX

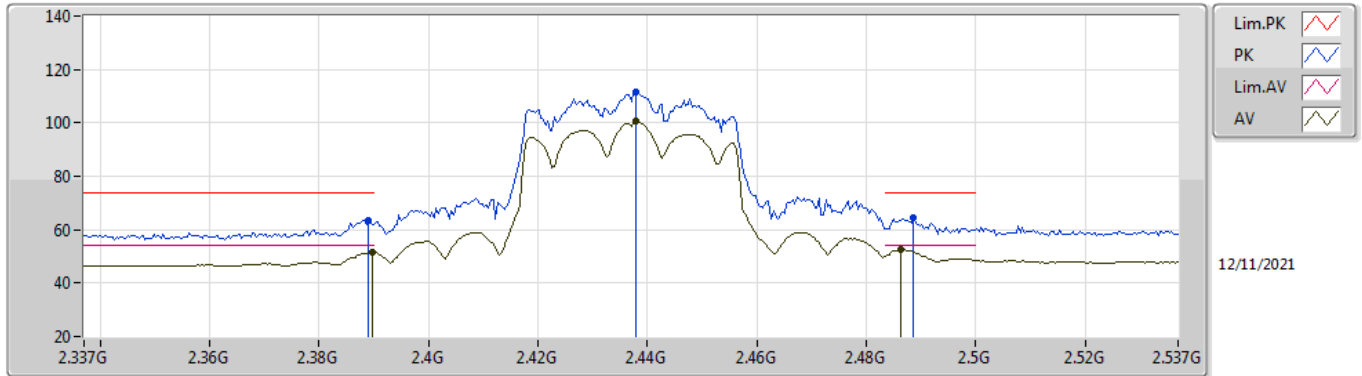
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	53.70	54.00	-0.30	31.75	3	Vertical	242	1.97	-	21.95	27.38	4.37	-
AV	2.435G	100.63	Inf	-Inf	31.97	3	Vertical	242	1.97	-	68.66	27.54	4.43	-
AV	2.4838G	52.76	54.00	-1.24	32.30	3	Vertical	242	1.97	-	20.46	27.80	4.50	-
PK	2.3842G	68.58	74.00	-5.42	31.73	3	Vertical	242	1.97	-	36.85	27.37	4.36	-
PK	2.435G	111.57	Inf	-Inf	31.97	3	Vertical	242	1.97	-	79.60	27.54	4.43	-
PK	2.4846G	65.10	74.00	-8.90	32.31	3	Vertical	242	1.97	-	32.79	27.81	4.50	-

802.11ax HEW40_Nss1,(MCS0)_2TX

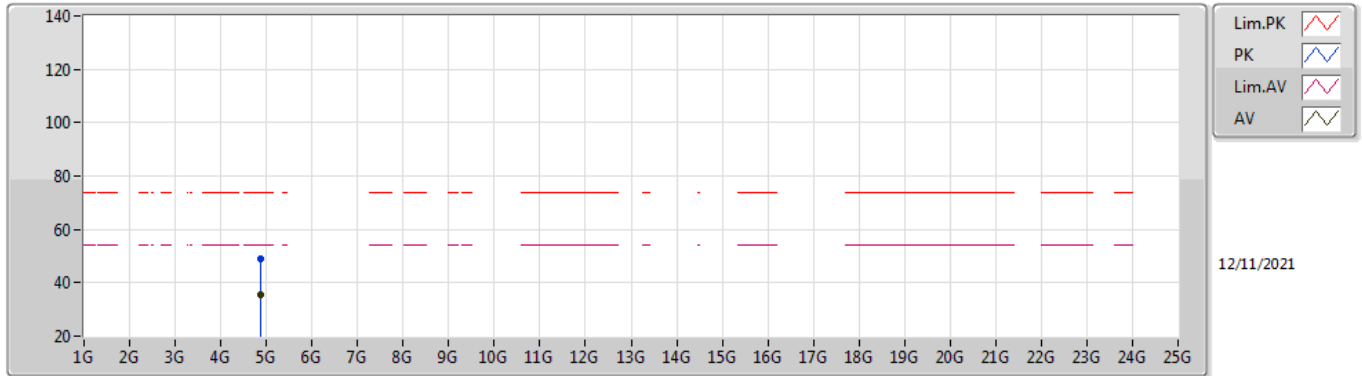
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	51.59	54.00	-2.41	31.75	3	Horizontal	120	2.23	-	19.84	27.38	4.37	-
AV	2.4378G	100.67	Inf	-Inf	31.98	3	Horizontal	120	2.23	-	68.69	27.55	4.43	-
AV	2.4862G	52.56	54.00	-1.44	32.32	3	Horizontal	120	2.23	-	20.24	27.82	4.50	-
PK	2.389G	63.70	74.00	-10.30	31.75	3	Horizontal	120	2.23	-	31.95	27.38	4.37	-
PK	2.4378G	111.43	Inf	-Inf	31.98	3	Horizontal	120	2.23	-	79.45	27.55	4.43	-
PK	2.4886G	64.33	74.00	-9.67	32.34	3	Horizontal	120	2.23	-	31.99	27.83	4.51	-

802.11ax HEW40_Nss1,(MCS0)_2TX

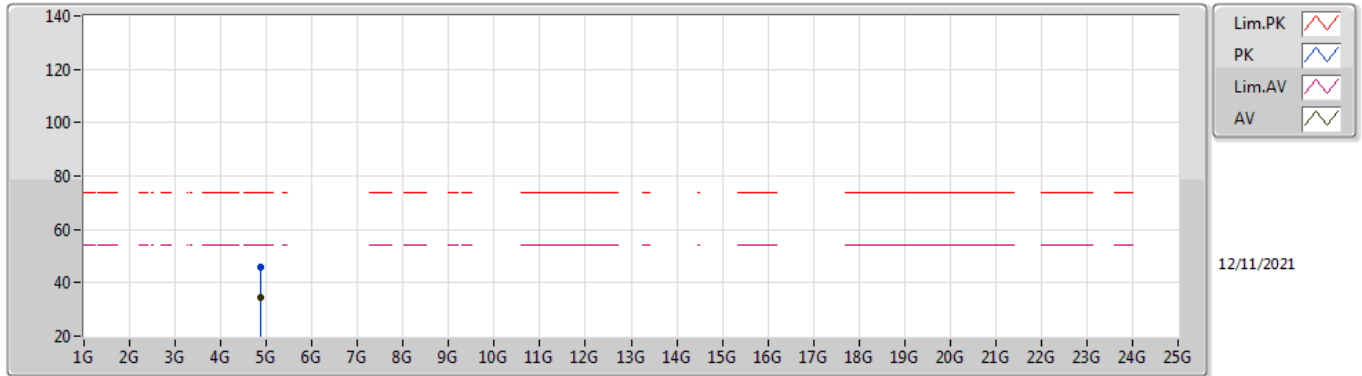
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87384G	35.57	54.00	-18.43	4.61	3	Vertical	90	1.50	-	30.96	32.75	6.30	34.44
PK	4.87304G	49.07	74.00	-24.93	4.61	3	Vertical	90	1.50	-	44.46	32.75	6.30	34.44

802.11ax HEW40_Nss1,(MCS0)_2TX

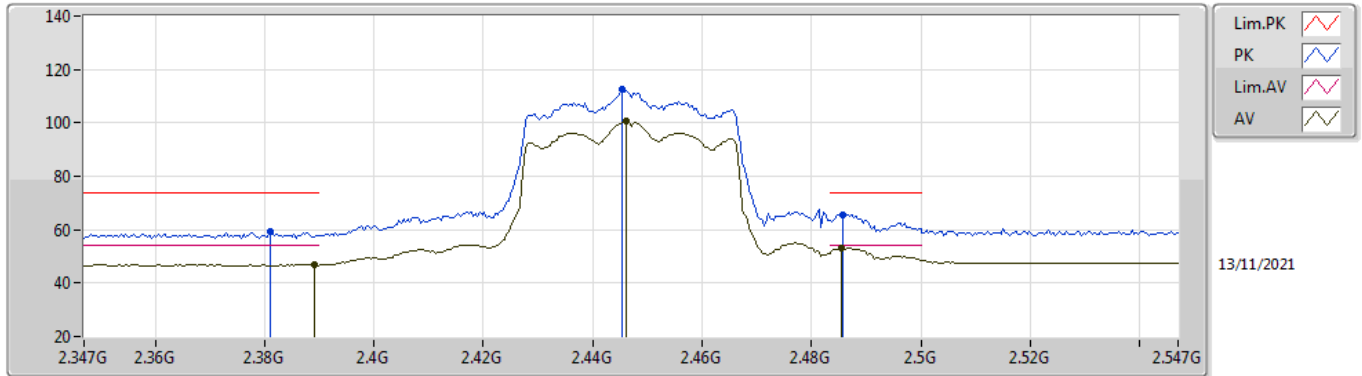
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8788G	34.38	54.00	-19.62	4.63	3	Horizontal	60	1.05	-	29.75	32.76	6.31	34.44
PK	4.87272G	46.11	74.00	-27.89	4.61	3	Horizontal	60	1.05	-	41.50	32.75	6.30	34.44

802.11ax HEW40_Nss1,(MCS0)_2TX

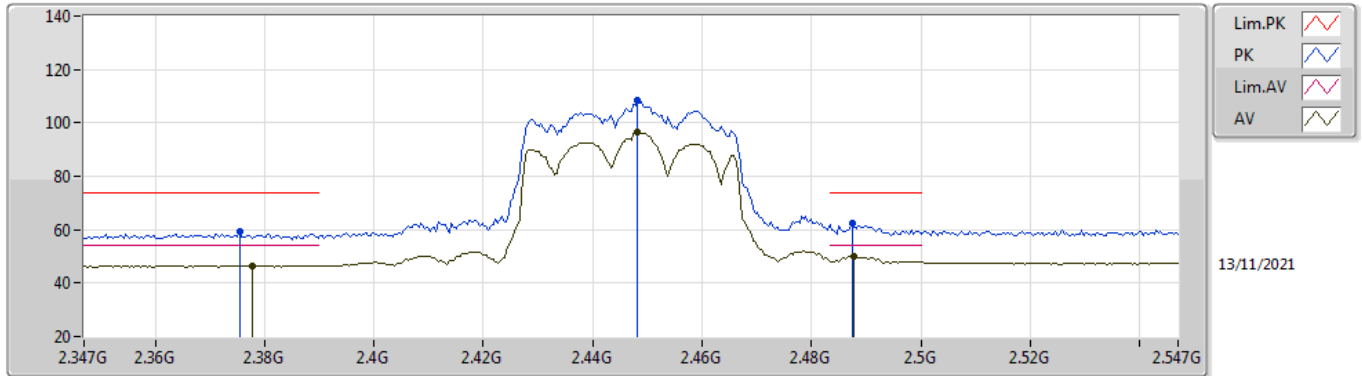
2447MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	46.87	54.00	-7.13	31.75	3	Vertical	270	1.91	-	15.12	27.38	4.37	-
AV	2.4462G	100.59	Inf	-Inf	32.03	3	Vertical	270	1.91	-	68.56	27.58	4.45	-
AV	2.4854G	53.23	54.00	-0.77	32.31	3	Vertical	270	1.91	-	20.92	27.81	4.50	-
PK	2.381G	59.22	74.00	-14.78	31.72	3	Vertical	270	1.91	-	27.50	27.36	4.36	-
PK	2.4454G	112.79	Inf	-Inf	32.03	3	Vertical	270	1.91	-	80.76	27.58	4.45	-
PK	2.4858G	65.73	74.00	-8.27	32.31	3	Vertical	270	1.91	-	33.42	27.81	4.50	-

802.11ax HEW40_Nss1,(MCS0)_2TX

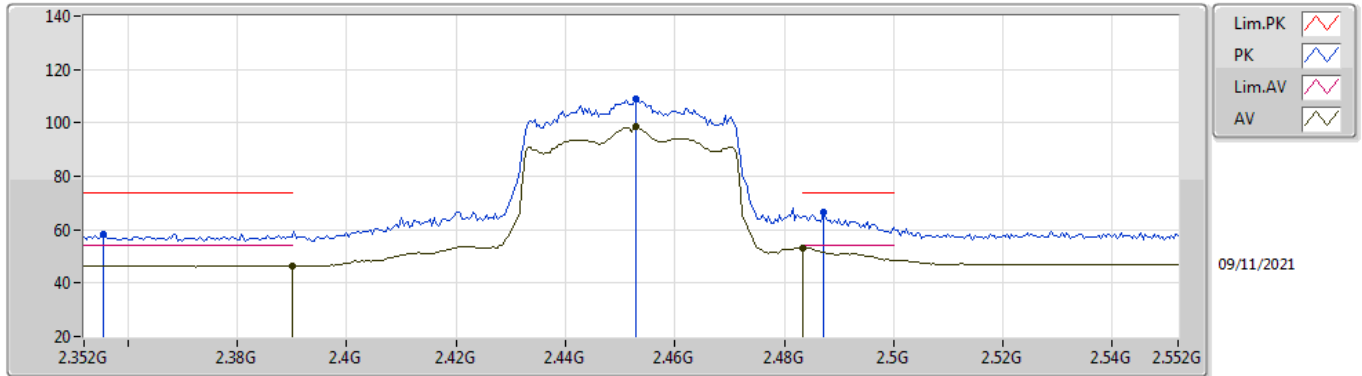
2447MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3778G	46.56	54.00	-7.44	31.72	3	Horizontal	116	1.96	-	14.84	27.36	4.36	-
AV	2.4482G	96.36	Inf	-Inf	32.04	3	Horizontal	116	1.96	-	64.32	27.59	4.45	-
AV	2.4878G	49.79	54.00	-4.21	32.34	3	Horizontal	116	1.96	-	17.45	27.83	4.51	-
PK	2.3754G	59.09	74.00	-14.91	31.70	3	Horizontal	116	1.96	-	27.39	27.35	4.35	-
PK	2.4482G	108.27	Inf	-Inf	32.04	3	Horizontal	116	1.96	-	76.23	27.59	4.45	-
PK	2.4874G	62.48	74.00	-11.52	32.33	3	Horizontal	116	1.96	-	30.15	27.82	4.51	-

802.11ax HEW40_Nss1,(MCS0)_2TX

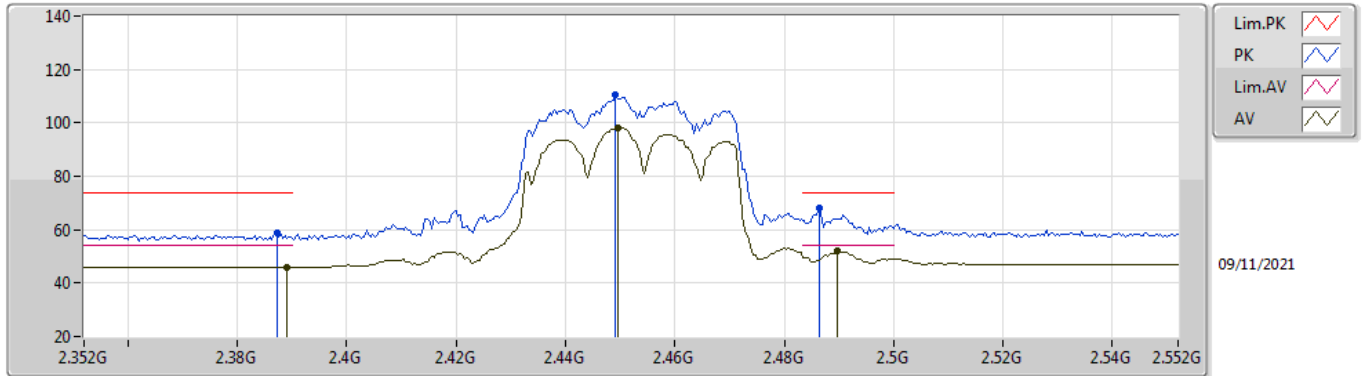
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	46.55	54.00	-7.45	31.75	3	Vertical	232	1.51	-	14.80	27.38	4.37	-
AV	2.4528G	98.44	Inf	-Inf	32.08	3	Vertical	232	1.51	-	66.36	27.62	4.46	-
AV	2.4835G	53.02	54.00	-0.98	32.30	3	Vertical	232	1.51	-	20.72	27.80	4.50	-
PK	2.3556G	58.31	74.00	-15.69	31.64	3	Vertical	232	1.51	-	26.67	27.31	4.33	-
PK	2.4528G	108.79	Inf	-Inf	32.08	3	Vertical	232	1.51	-	76.71	27.62	4.46	-
PK	2.4872G	66.46	74.00	-7.54	32.33	3	Vertical	232	1.51	-	34.13	27.82	4.51	-

802.11ax HEW40_Nss1,(MCS0)_2TX

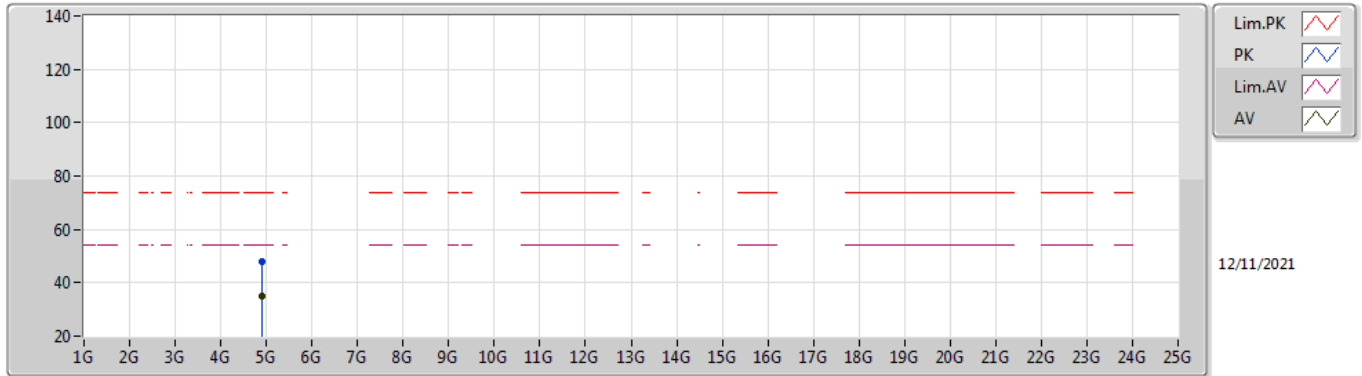
2452MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3892G	46.05	54.00	-7.95	31.75	3	Horizontal	135	2.26	-	14.30	27.38	4.37	-
AV	2.4496G	98.21	Inf	-Inf	32.05	3	Horizontal	135	2.26	-	66.16	27.60	4.45	-
AV	2.4896G	51.82	54.00	-2.18	32.35	3	Horizontal	135	2.26	-	19.47	27.84	4.51	-
PK	2.3872G	58.64	74.00	-15.36	31.74	3	Horizontal	135	2.26	-	26.90	27.37	4.37	-
PK	2.4492G	110.30	Inf	-Inf	32.05	3	Horizontal	135	2.26	-	78.25	27.60	4.45	-
PK	2.4864G	67.91	74.00	-6.09	32.33	3	Horizontal	135	2.26	-	35.58	27.82	4.51	-

802.11ax HEW40_Nss1,(MCS0)_2TX

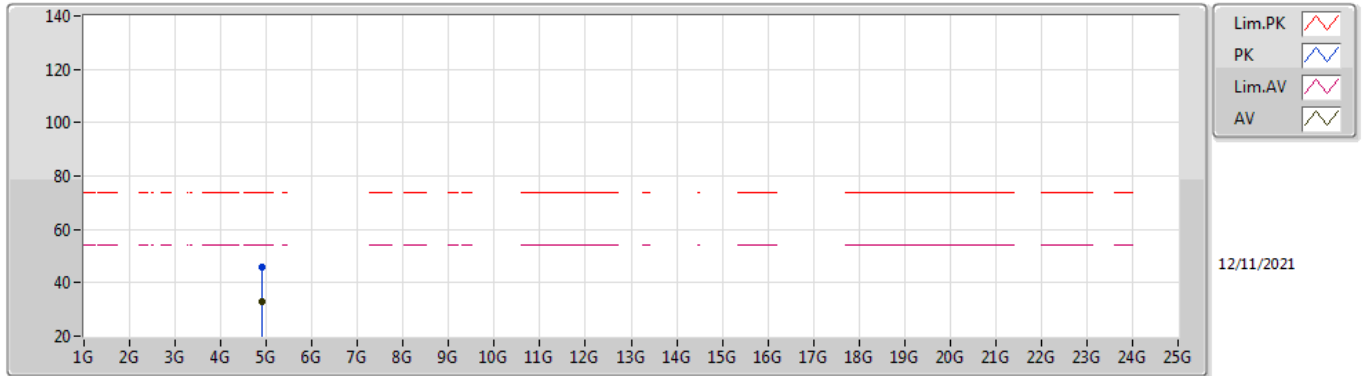
2452MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.91078G	34.96	54.00	-19.04	4.75	3	Vertical	92	1.28	-	30.21	32.86	6.33	34.44
PK	4.90844G	47.97	74.00	-26.03	4.74	3	Vertical	92	1.28	-	43.23	32.85	6.33	34.44

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.907G	32.96	54.00	-21.04	4.72	3	Horizontal	341	1.50	-	28.24	32.84	6.32	34.44
PK	4.90832G	45.76	74.00	-28.24	4.73	3	Horizontal	341	1.50	-	41.03	32.85	6.32	34.44



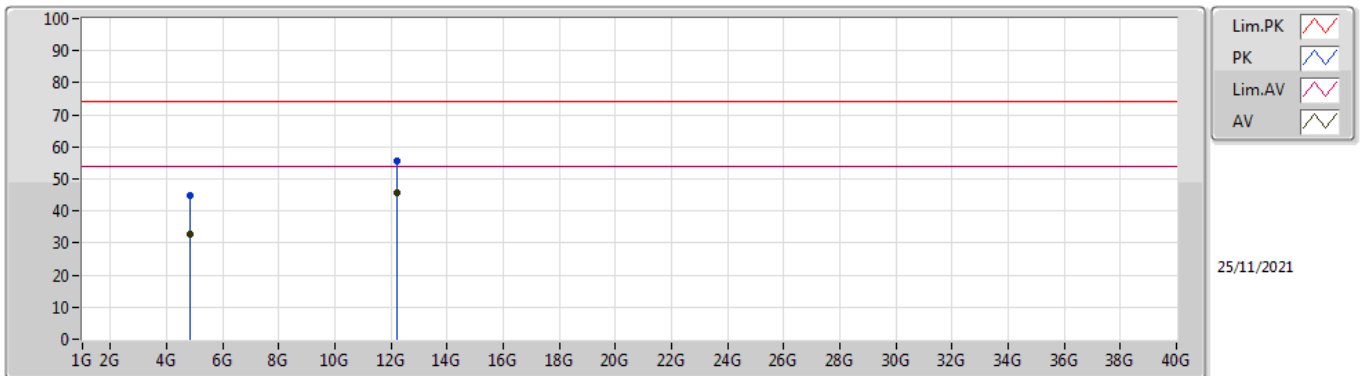
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	12.22996G	46.79	54.00	-7.21	Horizontal

**Result**

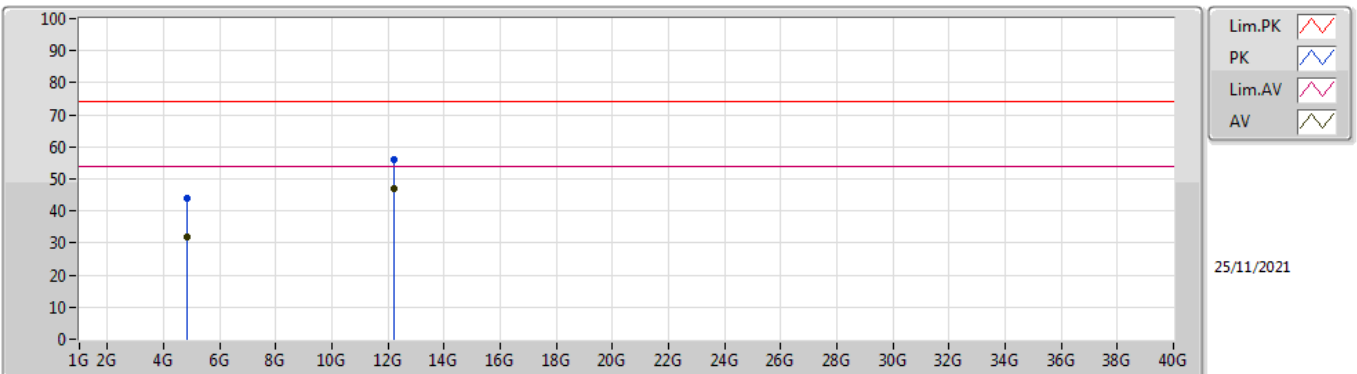
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.84556G	32.60	54.00	-21.40	4.52	3	Vertical	291	1.00	-
Mode 1	Pass	AV	12.23G	45.80	54.00	-8.20	15.10	3	Vertical	118	2.41	-
Mode 1	Pass	PK	4.84596G	44.63	74.00	-29.37	4.52	3	Vertical	291	1.00	-
Mode 1	Pass	PK	12.22988G	55.62	74.00	-18.38	15.10	3	Vertical	118	2.41	-
Mode 1	Pass	AV	4.84396G	31.85	54.00	-22.15	4.52	3	Horizontal	109	1.50	-
Mode 1	Pass	AV	12.22996G	46.79	54.00	-7.21	15.10	3	Horizontal	133	1.49	-
Mode 1	Pass	PK	4.84716G	44.06	74.00	-29.94	4.53	3	Horizontal	109	1.50	-
Mode 1	Pass	PK	12.23008G	55.91	74.00	-18.09	15.10	3	Horizontal	133	1.49	-

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.84556G	32.60	54.00	-21.40	4.52	3	Vertical	291	1.00	-	28.08	32.68	6.29	34.45
AV	12.23G	45.80	54.00	-8.20	15.10	3	Vertical	118	2.41	-	30.70	39.17	10.19	34.26
PK	4.84596G	44.63	74.00	-29.37	4.52	3	Vertical	291	1.00	-	40.11	32.68	6.29	34.45
PK	12.22988G	55.62	74.00	-18.38	15.10	3	Vertical	118	2.41	-	40.52	39.17	10.19	34.26

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.84396G	31.85	54.00	-22.15	4.52	3	Horizontal	109	1.50	-	27.33	32.68	6.29	34.45
AV	12.22996G	46.79	54.00	-7.21	15.10	3	Horizontal	133	1.49	-	31.69	39.17	10.19	34.26
PK	4.84716G	44.06	74.00	-29.94	4.53	3	Horizontal	109	1.50	-	39.53	32.69	6.29	34.45
PK	12.23008G	55.91	74.00	-18.09	15.10	3	Horizontal	133	1.49	-	40.81	39.17	10.19	34.26