Testing Laboratory
3787

RADIO TEST REPORT

FCC ID	:	N89-EWW631B1V1
Equipment	:	AX3000 Wireless Dual Band Wall Mount Access Point
Brand Name	:	SonicFi, CyberTAN
Model Name	:	EWW631-B1, RAP630W-311G, CAP630W-311G
Applicant	:	CyberTAN Technology Inc. No. 99, Park Avenue III Science-based Industrial Park Hsinchu Taiwan 308
Manufacturer	:	CyberTAN Technology Inc. No. 99, Park Avenue III Science-based Industrial Park Hsinchu Taiwan 308
Standard	:	47 CFR FCC Part 15.247

The product was received on Nov. 06, 2023, and testing was started from Nov. 10, 2023 and completed on Dec. 08, 2023. We, Sporton International Inc. Hsinchu 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. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

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Appendix G. Test Results of Radiated Emission Co-location

Appendix H. Test Photos

Photographs of EUT v02

History of this test report

Report No.	Version	Description	Issued Date
FR3O2420AA	01	Initial issue of report	Dec. 25, 2023
FR3O2420AA	02	Adding two model names “RAP630W-311G” and " CAP630W-311G"	Jan. 26, 2024

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	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen
Report Producer: Sandy Chuang

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]

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	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	802.11n HT40-BF	40	2TX
2.4-2.4835GHz	VHT40	40	2TX
2.4-2.4835GHz	VHT40-BF	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	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.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz					
1	1	2	GALTRONICS	2102140-07905-1	PCB	I-PEX	Note 1
2	2	1	GALTRONICS	2102140-07905-2	PCB	I-PEX	

Note 1:

Ant.	Antenna Gain (dBi)				
	2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3
1	3.2	3.4	3.3	3.3	3.4
2	3.3	3.6	3.6	4.0	4.0

Note 2: The above information was declared by manufacturer.

For 2.4GHz function:

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

Note 3: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{i=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{i,k}\right\}^2}{N_{ANT}}\right]$
BF	$Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{i=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{i,k}\right\}^2}{N_{ANT}}\right]$	$Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{i=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{i,k}\right\}^2}{N_{ANT}}\right]$

Ex.

Directional Gain (NSS1) formula : $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{i=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{i,k}\right\}^2}{N_{ANT}}\right]$

NSS1(g1,1) = $10^{G1/20}$; NSS1(g1,2)= $10^{G2/20}$; NSS1(g1,2)= $10^{G3/20}$; NSS1(g1,2)= $10^{G4/20}$

gj,k =(Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4))^2

DG = 10 log[(Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4))^2 / N_{ANT}] => 10 log[($10^{G1/20}$ + $10^{G2/20}$ + $10^{G3/20}$ + $10^{G4/20}$)^2 / N_{ANT}]

Where ;

2.4G G1= 3.2 dBi ;G2= 3.3 dBi ;

5G UNII-1 G1 = 3.4 dBi; G2 = 3.6 dBi;

5G UNII-2A G1 = 3.3 dBi; G2 = 3.6 dBi;

5G UNII-2C G1 = 3.3 dBi; G2 = 4.0 dBi;

5G UNII-3 G1 = 3.4 dBi; G2 = 4.0 dBi;

2.4G DG = 6.26 dBi

5G UNII-1 DG = 6.51 dBi

5G UNII-2A DG = 6.46 dBi

5G UNII-2C DG = 6.67 dB

5G UNII-3 DG = 6.72 dBi

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.935	0.29	12.634m	100
802.11g	0.92	0.36	1.977m	1k
802.11ax HEW20-BF	0.92	0.36	1.781m	1k
802.11ax HEW40-BF	0.963	0.16	1.78m	1k

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	<Non-beamforming mode> QRCT: Version 4.0.00204.0 <Beamforming mode> DOS [Version 6.1.7601]			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

Brand Name	Model Name	Description
CyberTAN	EWW631-B1, CAP630W-311G	All the models are identical, the difference brand name and model name served as marketing strategy.
SonicFi	EWW631-B1, RAP630W-311G	

Note:

1. From the above, brand name: CyberTAN / model name: EWW631-B1 was selected as representative for the test and its data was recorded in this report.
2. The above information was declared by manufacturer.

1.2 Applicable Standards

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

- 47 CFR FCC Part 15.247
- ANSI C63.10-2013

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

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

1.3 Testing Location Information

Testing Location Information	
Test Lab.：Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Mason Chen	21~21.6 / 63~67	Nov. 16, 2023~ Nov. 20, 2023
Radiated below 1GHz	03CH03-CB	Mark Hsu	22.4-23.5 / 55-58	Nov. 16, 2023~ Dec. 08, 2023
Radiated above 1GHz	03CH01-CB	Mark Hsu	21.2-22.3 / 56-59	Nov. 16, 2023~ Dec. 08, 2023
	03CH03-CB	Mark Hsu	22.4-23.5 / 55-58	Nov. 16, 2023~ Dec. 08, 2023
	03CH04-CB	Mark Hsu	22.7-23.8 / 56-59	Nov. 16, 2023~ Dec. 08, 2023
Radiated Co-location	03CH02-CB	Mark Hsu	22-23 / 55-58	Nov. 16, 2023~ Dec. 08, 2023
AC Conduction	CO02-CB	Gray Lee	22~23 / 53~54	Nov. 10, 2023

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	24
2437MHz	26.5
2462MHz	25
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	22
2437MHz	24
2462MHz	21.5
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	25
2437MHz	26
2462MHz	25
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	24
2437MHz	24
2452MHz	23

Note:
- Evaluated HEW20/HEW40 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.
- The EUT supports non-beamforming and beamforming mode, only beamforming mode has been selected to test.

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	Normal Link
1	EUT + PoE

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
After evaluating, and the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Y axis + WLAN 2.4GHz + PoE
2	EUT in Y axis + WLAN 5GHz + PoE
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
After evaluating, and the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
After evaluating, and the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Y axis + WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA3O2420 for Co-location RF Exposure Evaluation.	

Note : The PoE are for measurement only, would not be marketed.
The PoE information as below:

Power	Brand	Model
PoE	Microsemi	PD-9501-10GC/AC

2.3 EUT Operation during Test

For CTX Mode:

<non-beamforming mode>

The EUT was programmed to be in continuously transmitting mode.

<Beamforming mode>

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS 6.1.7601
3. Executed "Lantest" to link with the remote workstation to transmit and receive packet by device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories
Wall-mounted rack *1

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	Microsemi	PD-9501-10GC/AC	N/A
B	PoE in NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	LAN NB	DELL	E6430	N/A
F	Device	CyberTAN	EWW631-A1	N/A

For Radiated Emission below 1GHz:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	PoE	Microsemi	PD-9501-10GC/AC	N/A

For Radiated Emission above 1GHz and RF conducted:
<Non-beamforming mode>

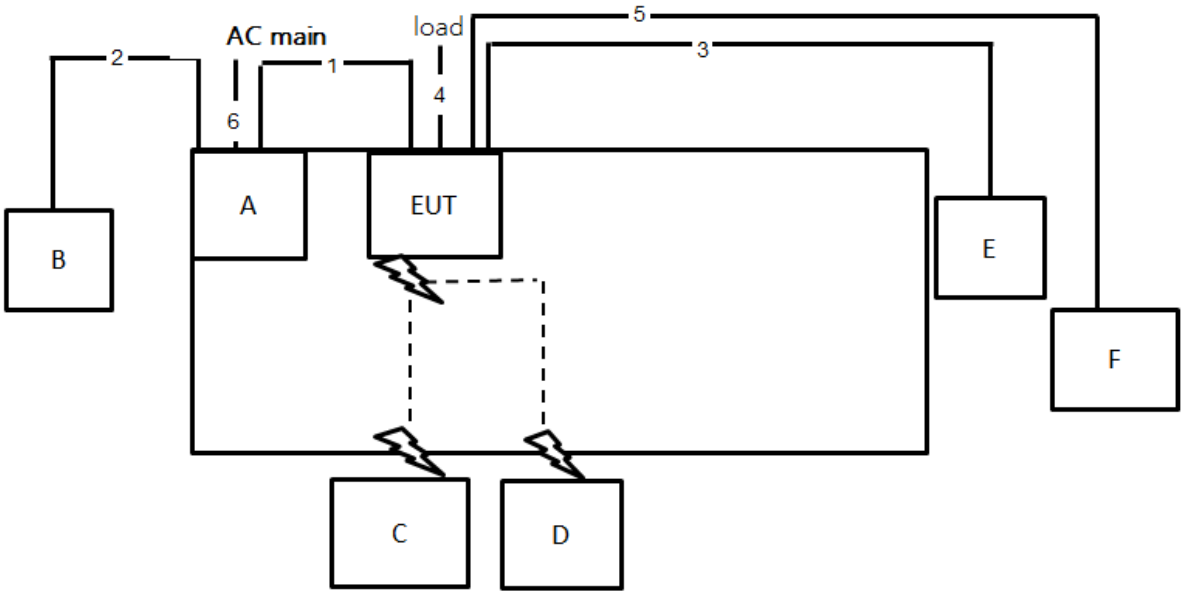
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	PoE	Microsemi	PD-9501-10GC/AC	N/A

For Radiated Emission above 1GHz and RF conducted:
<Beamforming mode>

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Device	Cybertan	EWW631-A1	N/A
C	Notebook	DELL	E4300	N/A
D	PoE	Microsemi	PD-9501-10GC/AC	N/A

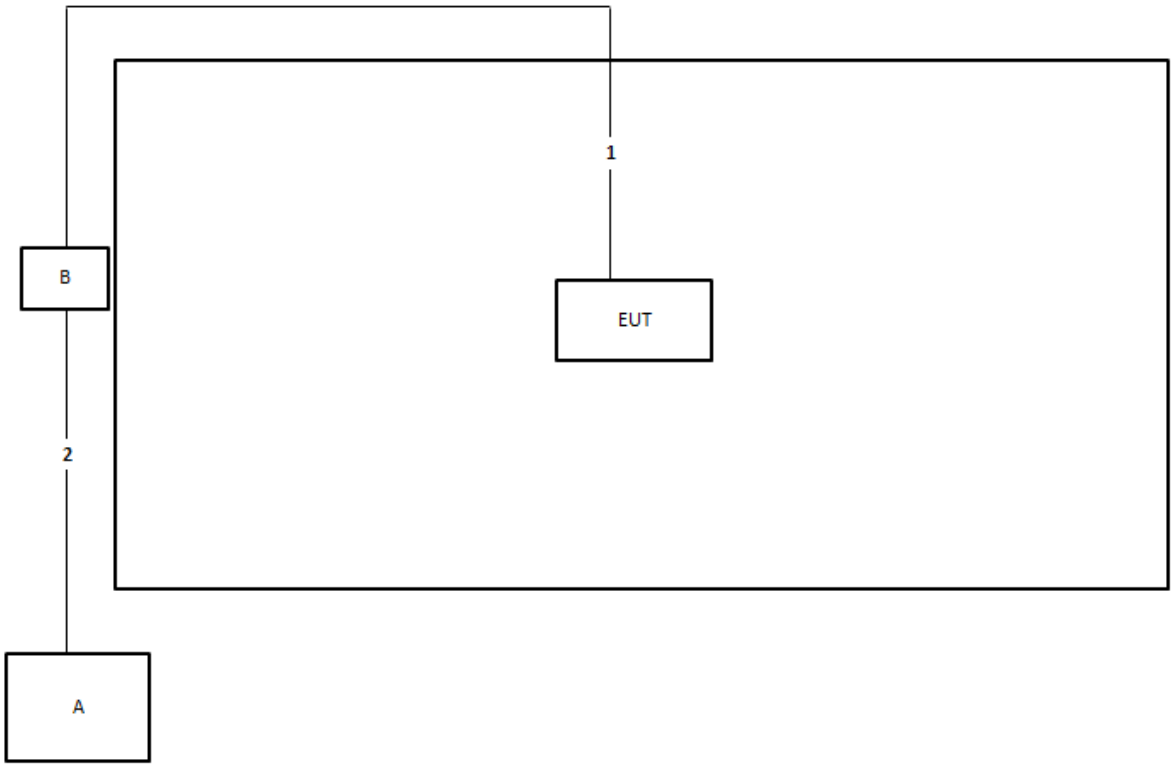
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



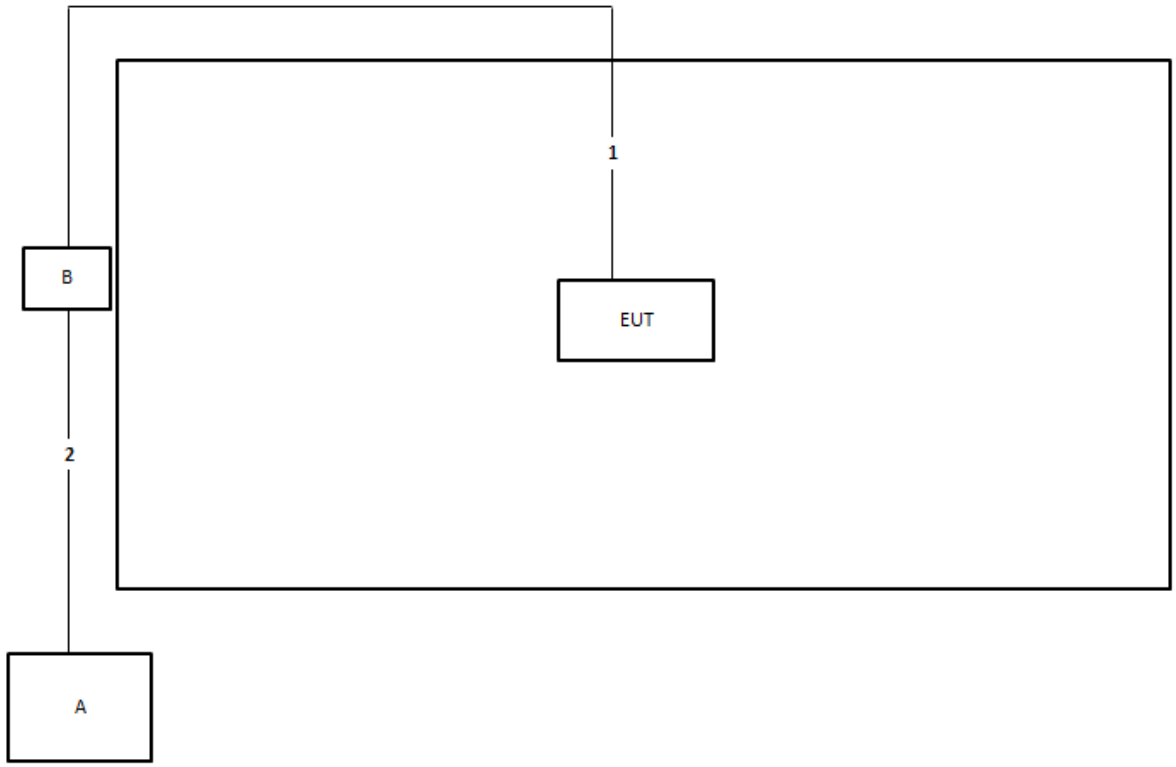
Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1.5m
5	RJ-45 cable	No	10m
6	Power cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



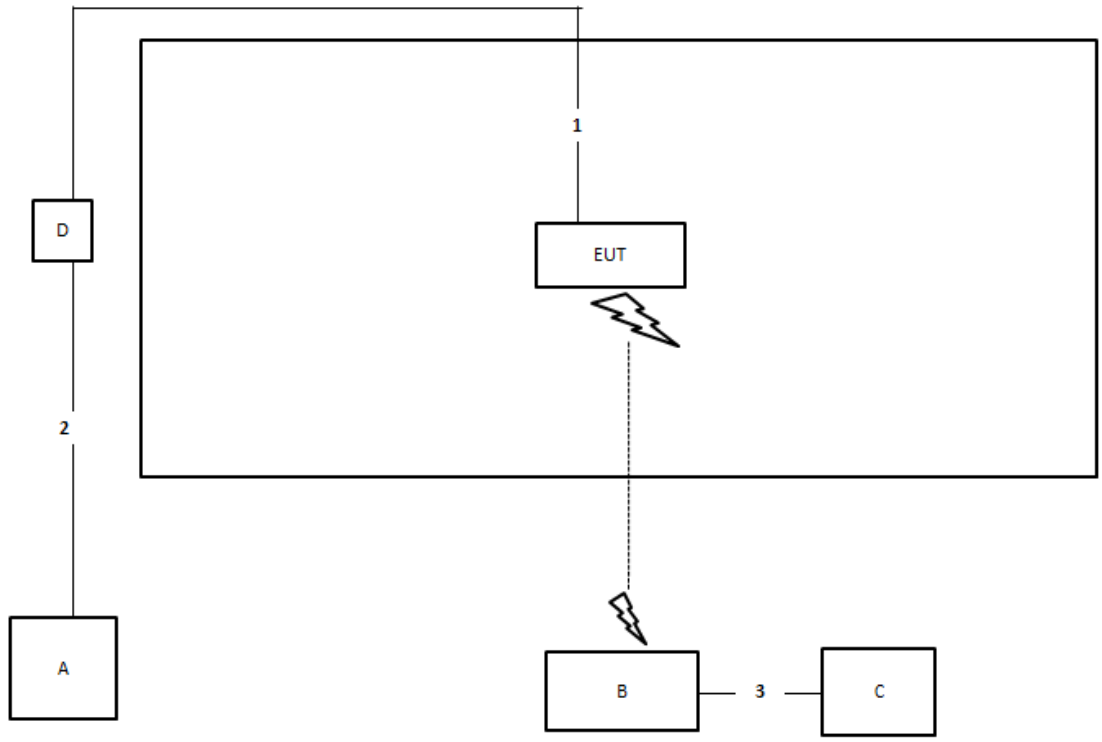
Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz
<Non-beamforming mode>



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz
<Beamforming mode>



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m

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

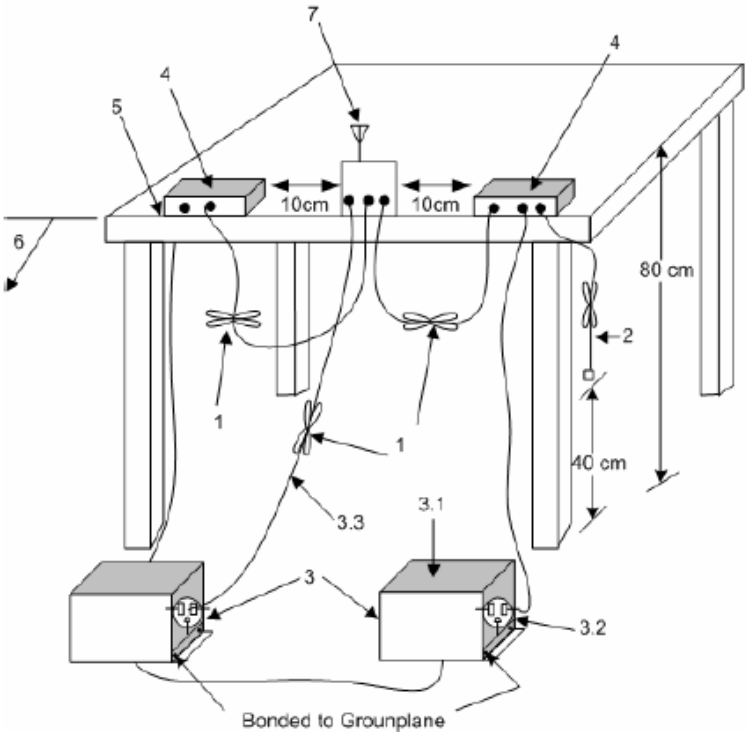
Refer a test equipment and calibration data table in this test report.

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 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

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 ≥ 500 kHz.

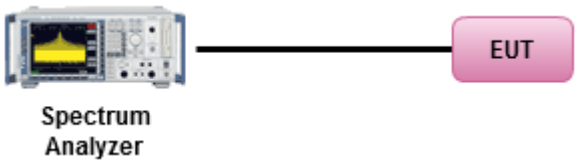
3.2.2 Measuring Instruments

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 FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
☐	Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


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
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 FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


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

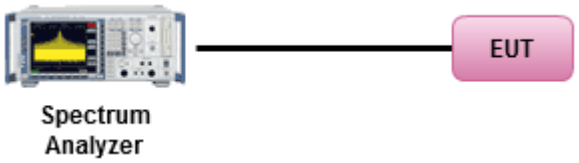
3.4.2 Measuring Instruments

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 FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.		
▪ For conducted measurement.			
	▪ If The EUT supports multiple transmit chains using options given below:		
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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.	
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,	
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.	

3.4.4 Test Setup

Power Spectral Density


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 (dBc)**
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 PSD 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 PSD level.

3.5.2 Measuring Instruments

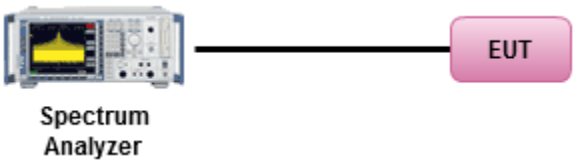
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method
▪ Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands



3.5.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.5.6 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.

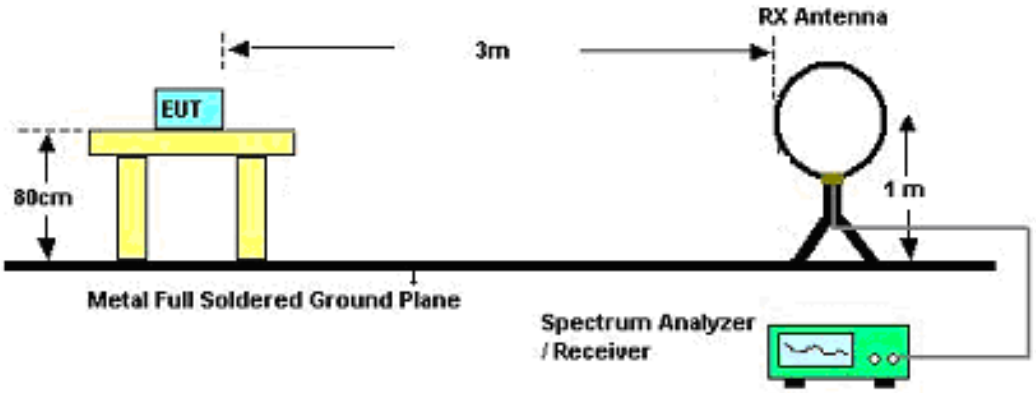
3.6.3 Test Procedures

Test Method			
▪ The average emission levels shall be measured in [duty cycle ≥ 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 FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.		
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, 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 FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.		
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).		
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB		
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.		

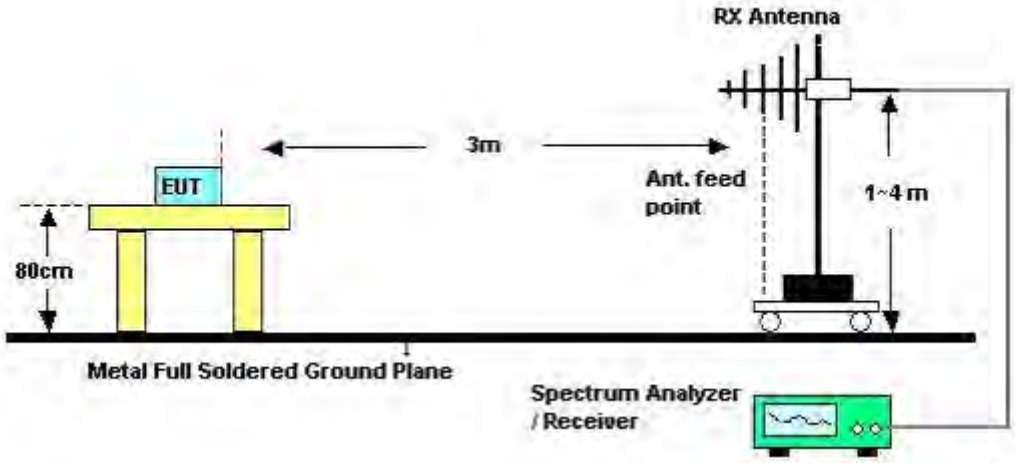
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

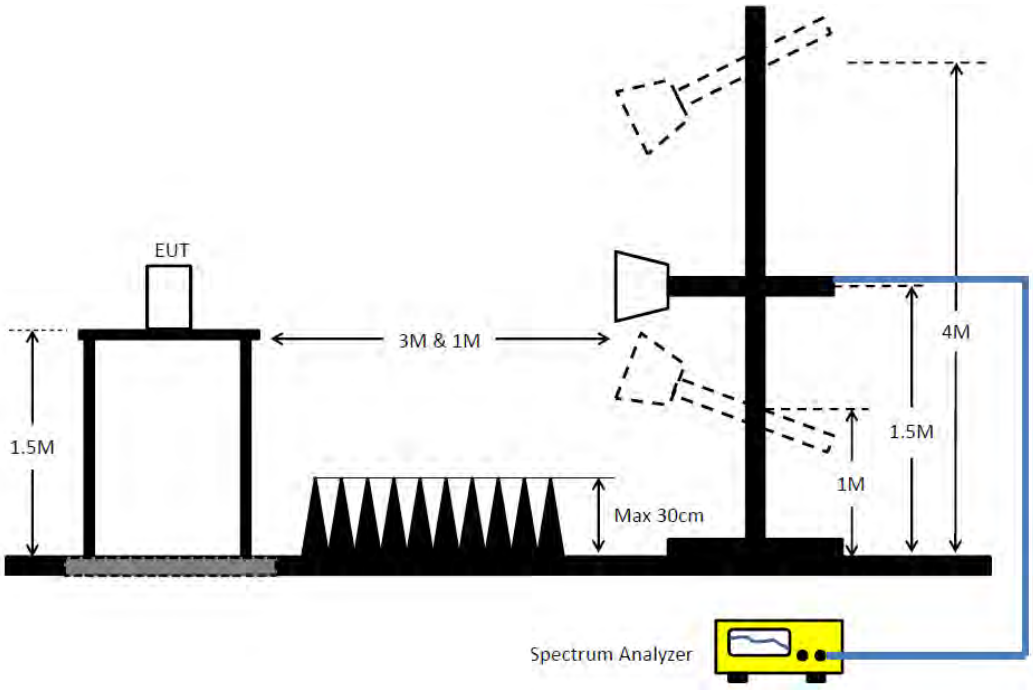
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Apr. 06, 2023	Apr. 05, 2024	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 20, 2022	Dec. 19, 2023	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 18, 2023	May 17, 2024	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 17, 2023	Jan. 16, 2024	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 04, 2023	May 03, 2024	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 19, 2023	Feb. 18, 2024	Radiation (03CH03-CB)
Horn Antenna	ETS・Lindgren	3115	6821	750MHz~18GHz	Feb. 03, 2023	Feb. 02, 2024	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20230109-3	18~40GHz	Jan. 13, 2023	Jan. 12, 2024	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 12, 2023	Jun. 11, 2024	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Nov. 07, 2023	Nov. 06, 2024	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Nov. 07, 2023	Nov. 06, 2024	Radiation (03CH03-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Nov. 07, 2023	Nov. 06, 2024	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 2024	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Oct. 30, 2023	Oct. 29, 2024	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 18, 2023	May 17, 2024	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20230109-3	18~40GHz	Jan. 13, 2023	Jan. 12, 2024	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Jul. 24, 2023	Jul. 23, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20230109-3	18~40GHz	Jan. 13, 2023	Jan. 12, 2024	Radiation (03CH02-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 12, 2023	Jun. 11, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 23, 2023	Feb. 22, 2024	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 04, 2023	Oct. 03, 2024	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20230109-3	18~40GHz	Jan. 13, 2023	Jan. 12, 2024	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 21, 2023	Mar. 20, 2024	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 29, 2023	May 28, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

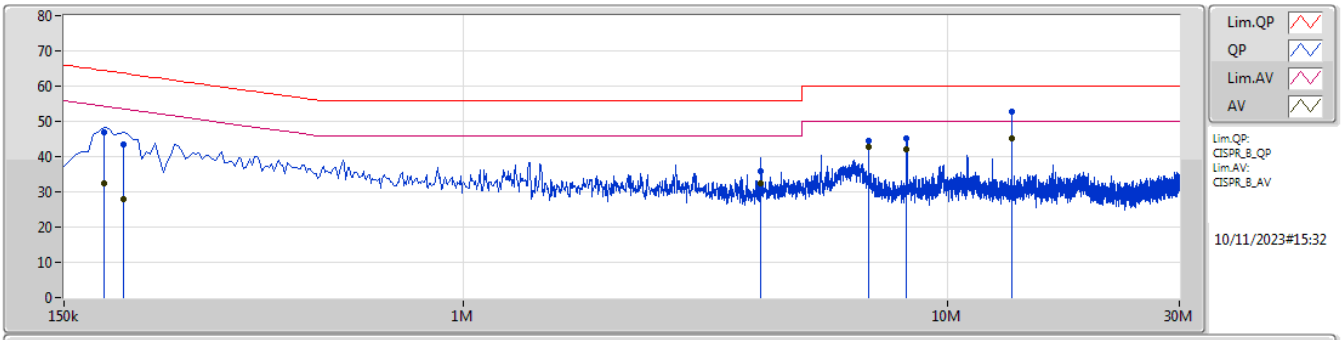
Note: Calibration Interval of instruments listed above is one year.

N.C.R. means Non-Calibration required.

Summary

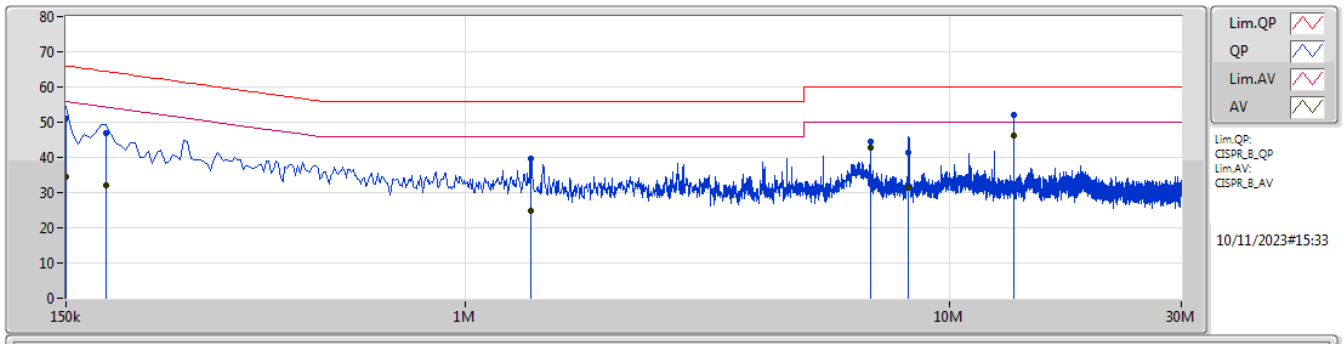
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	13.56M	46.11	50.00	-3.89	Neutral

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	181.5k	46.80	64.41	-17.61	10.07	Line	-	36.73	0.04	0.03	10.00
AV	181.5k	32.29	54.41	-22.12	10.07	Line	-	22.22	0.04	0.03	10.00
QP	199.5k	43.32	63.63	-20.31	10.06	Line	-	33.26	0.04	0.03	9.99
AV	199.5k	27.89	53.63	-25.74	10.06	Line	-	17.83	0.04	0.03	9.99
QP	4.115M	35.73	56.00	-20.27	10.11	Line	-	25.62	0.10	0.12	9.89
AV	4.115M	32.26	46.00	-13.74	10.11	Line	-	22.15	0.10	0.12	9.89
QP	6.851M	44.37	60.00	-15.63	10.25	Line	-	34.12	0.16	0.13	9.96
AV	6.851M	42.91	50.00	-7.09	10.25	Line	-	32.66	0.16	0.13	9.96
QP	8.219M	45.06	60.00	-14.94	10.29	Line	-	34.77	0.18	0.13	9.98
AV	8.219M	42.05	50.00	-7.95	10.29	Line	-	31.76	0.18	0.13	9.98
QP	13.56M	52.70	60.00	-7.30	10.35	Line	-	42.35	0.26	0.14	9.95
AV	13.56M	45.34	50.00	-4.66	10.35	Line	"Worst"	34.99	0.26	0.14	9.95

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	51.04	66.00	-14.96	10.09	Neutral	-	40.95	0.05	0.03	10.01
AV	150k	34.37	56.00	-21.63	10.09	Neutral	-	24.28	0.05	0.03	10.01
QP	181.5k	46.96	64.41	-17.45	10.08	Neutral	-	36.88	0.05	0.03	10.00
AV	181.5k	32.23	54.41	-22.18	10.08	Neutral	-	22.15	0.05	0.03	10.00
QP	1.361M	39.59	56.00	-16.41	10.10	Neutral	-	29.49	0.07	0.05	9.98
AV	1.361M	24.72	46.00	-21.28	10.10	Neutral	-	14.62	0.07	0.05	9.98
QP	6.851M	44.57	60.00	-15.43	10.24	Neutral	-	34.33	0.15	0.13	9.96
AV	6.851M	42.92	50.00	-7.08	10.24	Neutral	-	32.68	0.15	0.13	9.96
QP	8.214M	41.53	60.00	-18.47	10.27	Neutral	-	31.26	0.16	0.13	9.98
AV	8.214M	31.28	50.00	-18.72	10.27	Neutral	-	21.01	0.16	0.13	9.98
QP	13.56M	51.99	60.00	-8.01	10.29	Neutral	-	41.70	0.20	0.14	9.95
AV	13.56M	46.11	50.00	-3.89	10.29	Neutral	"Worst"	35.82	0.20	0.14	9.95

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	9.05M	13.827M	13M8G1D	6.775M	12.767M
802.11g_Nss1,(6Mbps)_2TX	16.3M	16.319M	16M3D1D	15.025M	16.222M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.55M	18.838M	18M8D1D	13.025M	18.716M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	36.15M	37.696M	37M7D1D	19.05M	37.477M

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

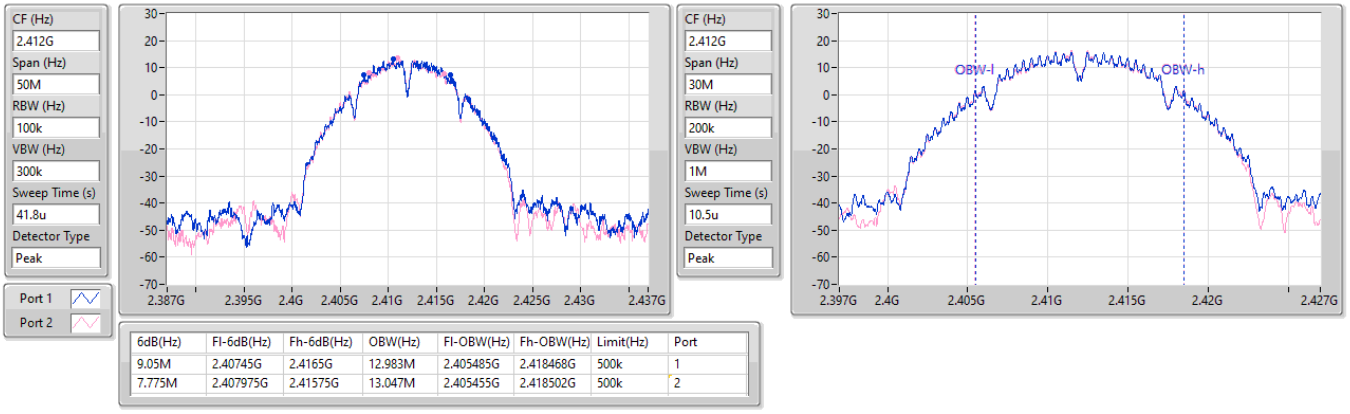
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	9.05M	12.983M	7.775M	13.047M
2437MHz	Pass	500k	7.225M	12.767M	8.55M	13.827M
2462MHz	Pass	500k	7.95M	13.02M	6.775M	13.109M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.293M	15.3M	16.253M
2437MHz	Pass	500k	15.95M	16.316M	15.025M	16.319M
2462MHz	Pass	500k	16.025M	16.222M	15.7M	16.274M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.55M	18.813M	13.025M	18.838M
2437MHz	Pass	500k	18.025M	18.754M	15.225M	18.778M
2462MHz	Pass	500k	17.65M	18.732M	16.65M	18.716M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	32.65M	37.5M	30.05M	37.477M
2437MHz	Pass	500k	33.85M	37.547M	27M	37.5M
2452MHz	Pass	500k	36.15M	37.696M	19.05M	37.576M

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

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

2412MHz

20/11/2023

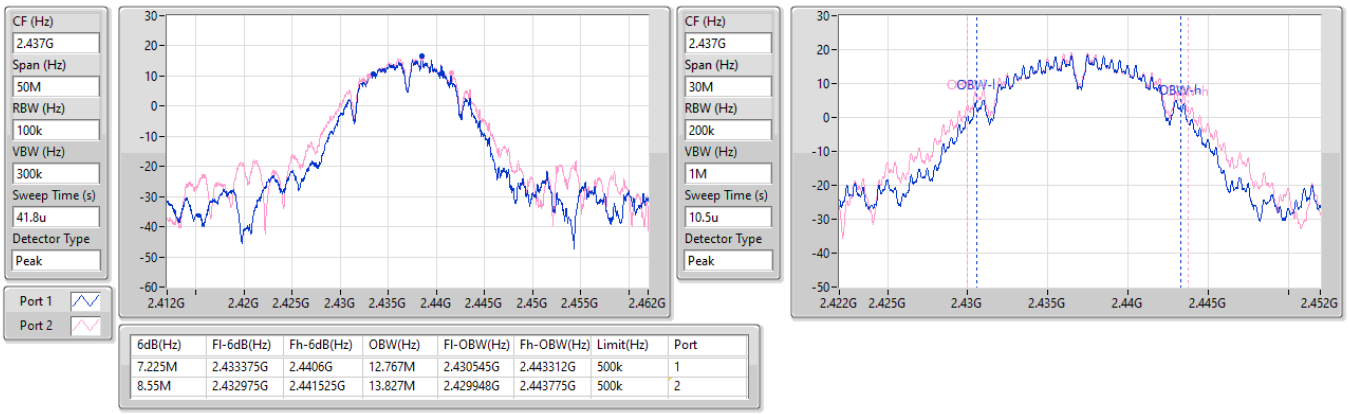


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.40745G	2.4165G	12.983M	2.405485G	2.418468G	500k	1
7.775M	2.407975G	2.41575G	13.047M	2.405455G	2.418502G	500k	2

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

2437MHz

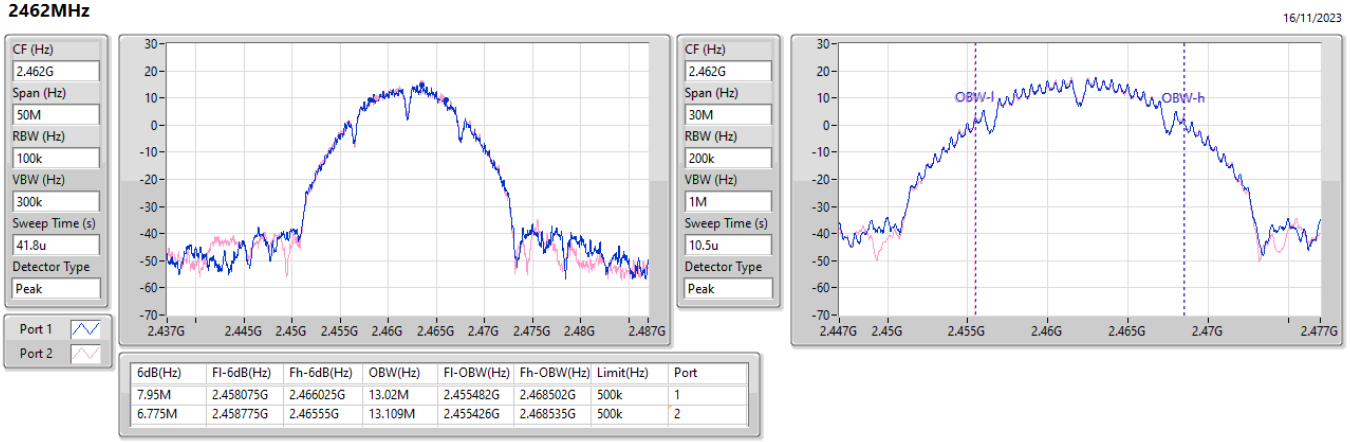
16/11/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.225M	2.433375G	2.4406G	12.767M	2.430545G	2.443312G	500k	1
8.55M	2.432975G	2.441525G	13.827M	2.429948G	2.443775G	500k	2

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

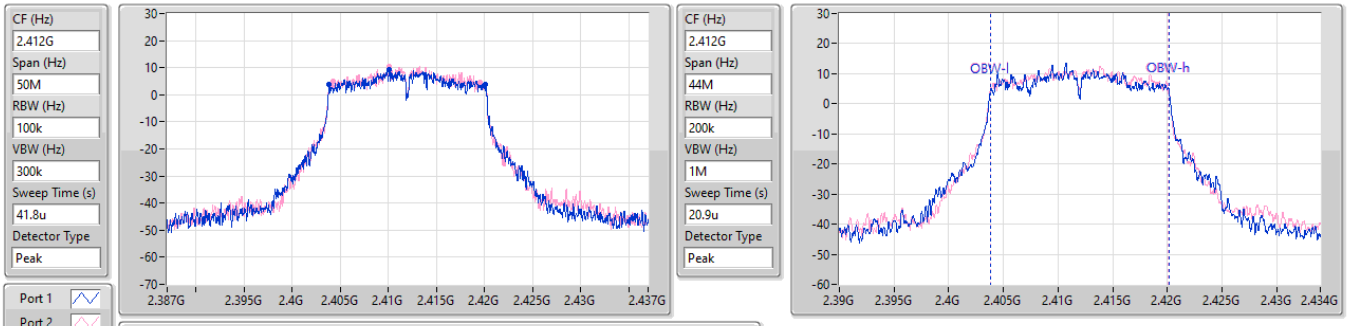
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.95M	2.458075G	2.466025G	13.02M	2.455482G	2.468502G	500k	1
6.775M	2.458775G	2.46555G	13.109M	2.455426G	2.468535G	500k	2

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

2412MHz

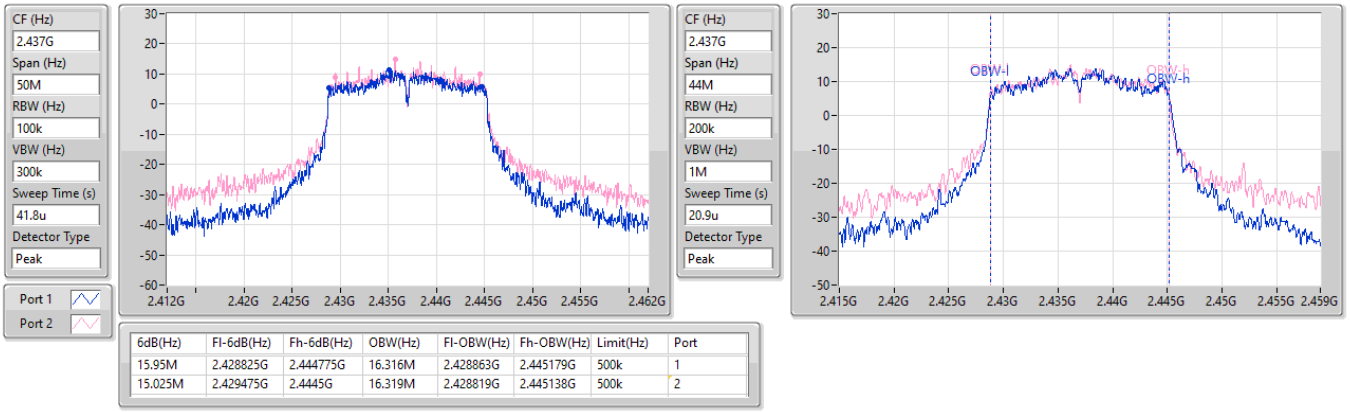


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.403825G	2.420125G	16.293M	2.403843G	2.420136G	500k	1
15.3M	2.4042G	2.4195G	16.253M	2.403847G	2.4201G	500k	2

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

2437MHz

16/11/2023

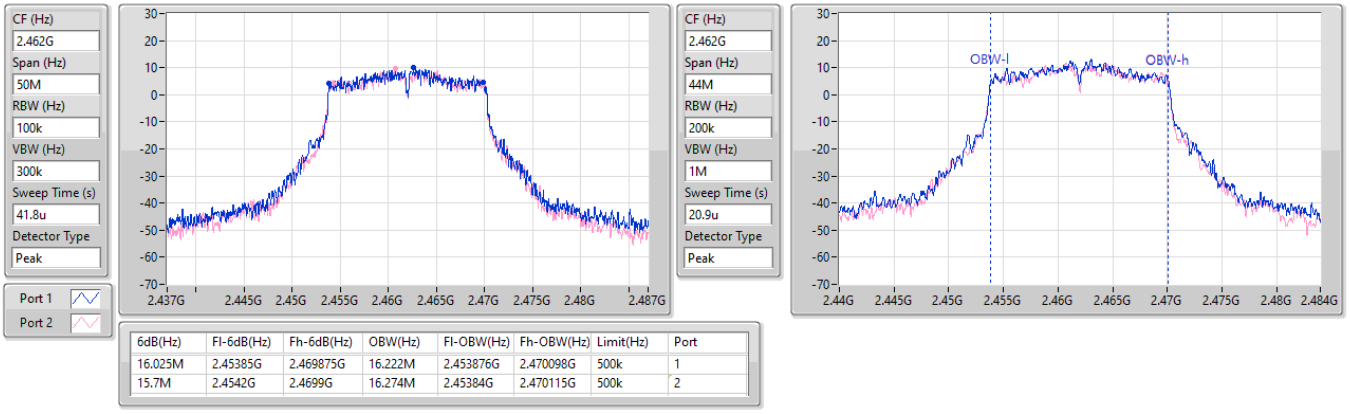


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.95M	2.428825G	2.444775G	16.316M	2.428863G	2.445179G	500k	1
15.025M	2.429475G	2.4445G	16.319M	2.428819G	2.445138G	500k	2

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

2462MHz

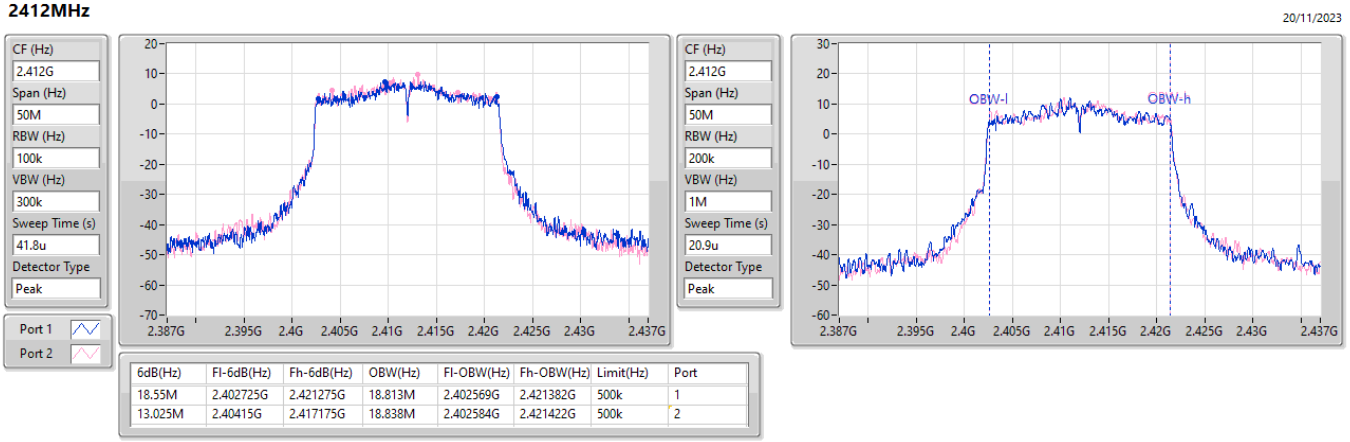
16/11/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.025M	2.45385G	2.469875G	16.222M	2.453876G	2.470098G	500k	1
15.7M	2.4542G	2.4699G	16.274M	2.45384G	2.470115G	500k	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **EBW**

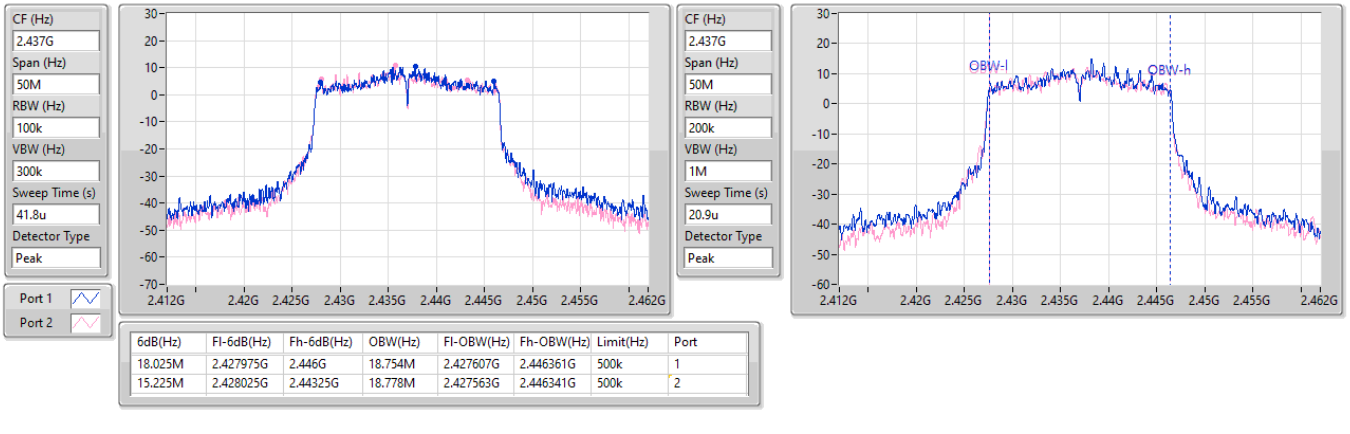
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.55M	2.402725G	2.421275G	18.813M	2.402569G	2.421382G	500k	1
13.025M	2.40415G	2.417175G	18.838M	2.402584G	2.421422G	500k	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **EBW**

2437MHz

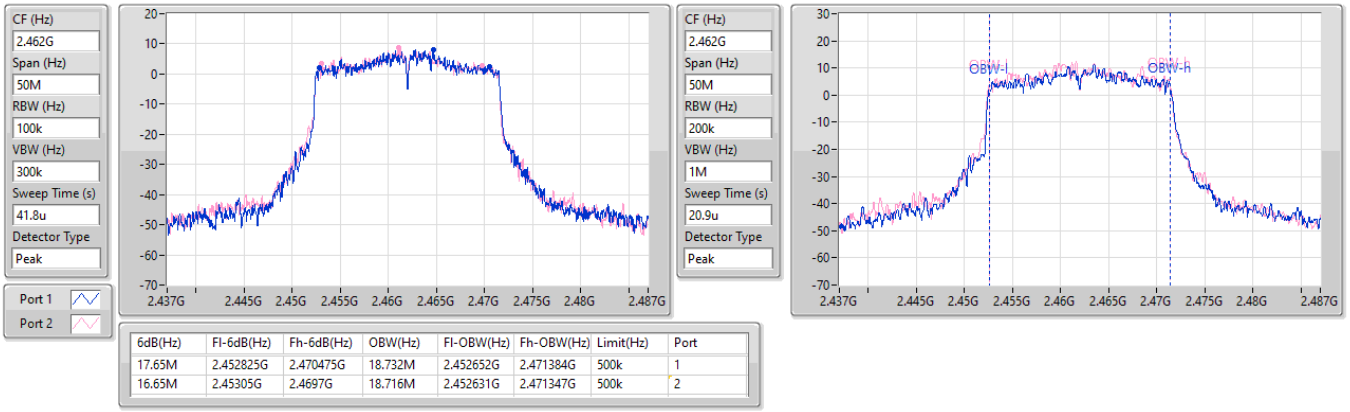


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.025M	2.427975G	2.446G	18.754M	2.427607G	2.446361G	500k	1
15.225M	2.428025G	2.44325G	18.778M	2.427563G	2.446341G	500k	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **EBW**

2462MHz

20/11/2023

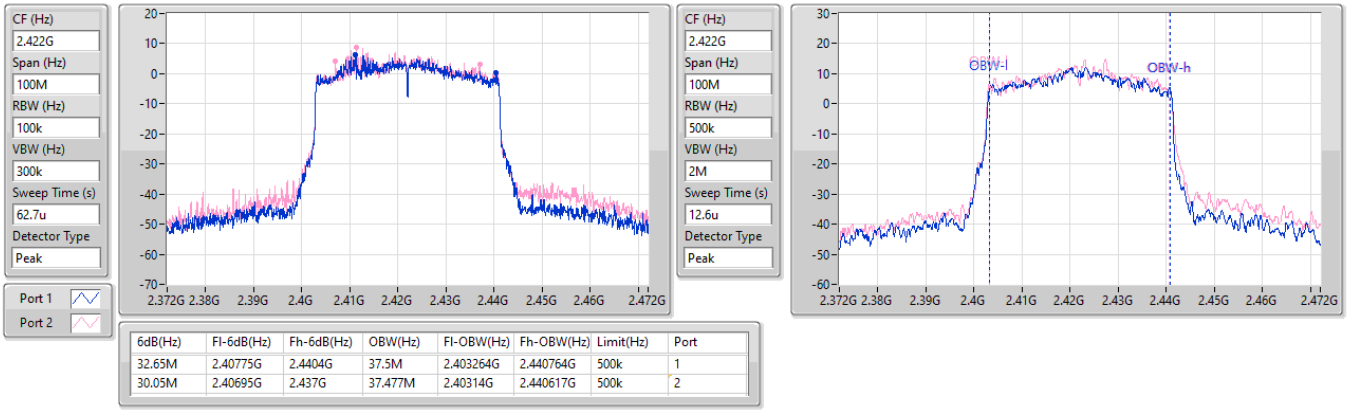


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.65M	2.452825G	2.470475G	18.732M	2.452652G	2.471384G	500k	1
16.65M	2.45305G	2.4697G	18.716M	2.452631G	2.471347G	500k	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX **EBW**

2422MHz

17/11/2023

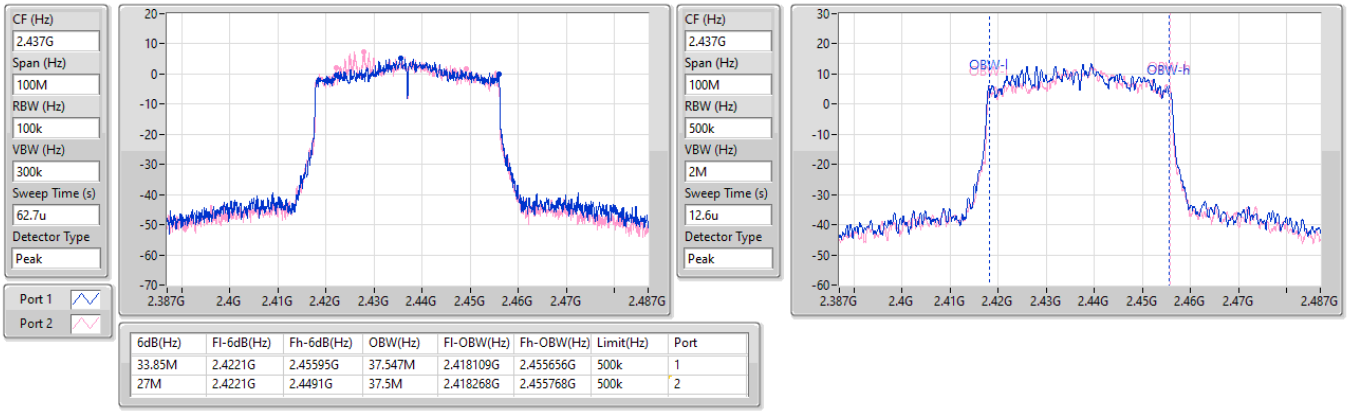


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.65M	2.40775G	2.4404G	37.5M	2.403264G	2.440764G	500k	1
30.05M	2.40695G	2.437G	37.477M	2.40314G	2.440617G	500k	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX **EBW**

2437MHz

20/11/2023

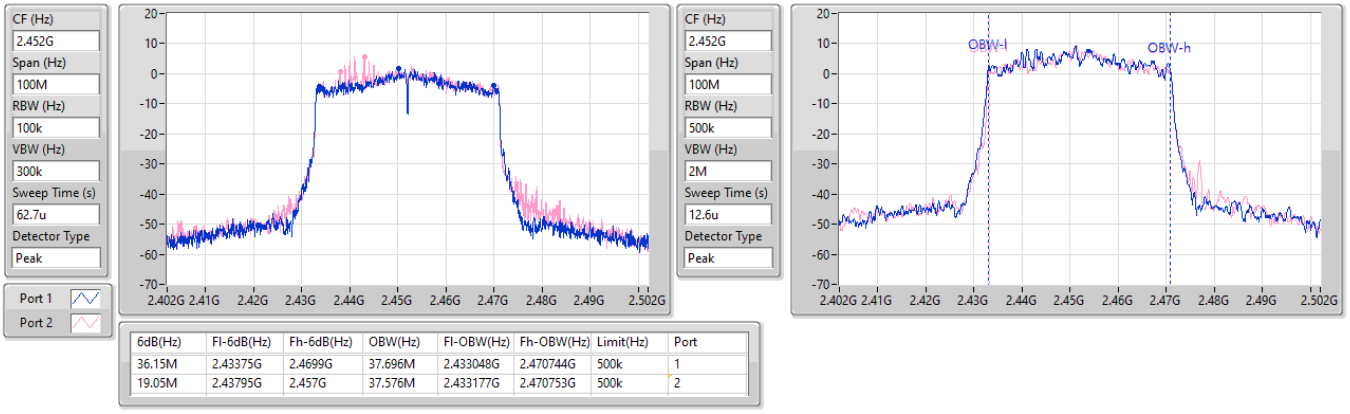


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.85M	2.4221G	2.45595G	37.547M	2.418109G	2.455656G	500k	1
27M	2.4221G	2.4491G	37.5M	2.418268G	2.455768G	500k	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX **EBW**

2452MHz

17/11/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.15M	2.43375G	2.4699G	37.696M	2.433048G	2.470744G	500k	1
19.05M	2.43795G	2.457G	37.576M	2.433177G	2.470753G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.42	0.87498
802.11g_Nss1,(6Mbps)_2TX	27.15	0.51880
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	25.20	0.33113
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	24.24	0.26546

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.30	23.92	24.37	27.16	30.00
2437MHz	Pass	3.30	26.26	26.55	29.42	30.00
2462MHz	Pass	3.30	25.15	25.09	28.13	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.30	21.85	22.85	25.39	30.00
2437MHz	Pass	3.30	23.79	24.47	27.15	30.00
2462MHz	Pass	3.30	22.19	21.45	24.85	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.26	20.91	21.56	24.26	29.74
2437MHz	Pass	6.26	22.52	21.84	25.20	29.74
2462MHz	Pass	6.26	21.73	20.98	24.38	29.74
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.26	20.76	21.44	24.12	29.74
2437MHz	Pass	6.26	21.30	21.15	24.24	29.74
2452MHz	Pass	6.26	20.19	20.47	23.34	29.74

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	3.09
802.11g_Nss1,(6Mbps)_2TX	0.13
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-0.64
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-2.56

RBW = 3kHz;

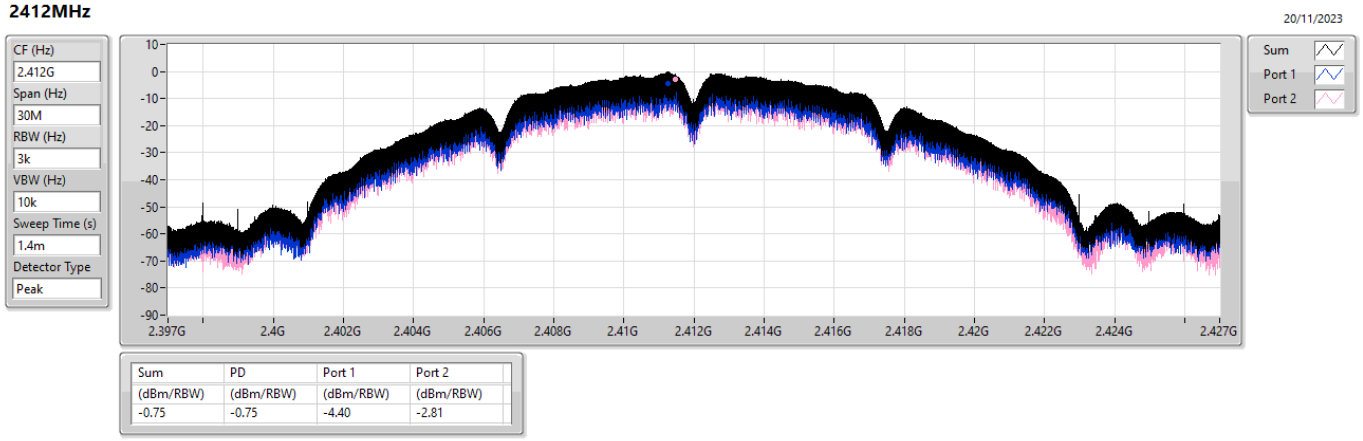
Result

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	6.26	-4.40	-2.81	-0.75	7.74
2437MHz	Pass	6.26	-1.58	1.68	3.09	7.74
2462MHz	Pass	6.26	-2.25	-2.15	0.76	7.74
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.26	-4.91	-3.66	-2.05	7.74
2437MHz	Pass	6.26	-2.15	-1.80	0.13	7.74
2462MHz	Pass	6.26	-5.18	-4.54	-2.20	7.74
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.26	-4.30	-3.99	-2.21	7.74
2437MHz	Pass	6.26	-2.56	-3.30	-0.64	7.74
2462MHz	Pass	6.26	-4.30	-4.31	-1.70	7.74
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.26	-6.76	-2.85	-2.56	7.74
2437MHz	Pass	6.26	-7.38	-5.56	-5.21	7.74
2452MHz	Pass	6.26	-8.10	-8.03	-5.71	7.74

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

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

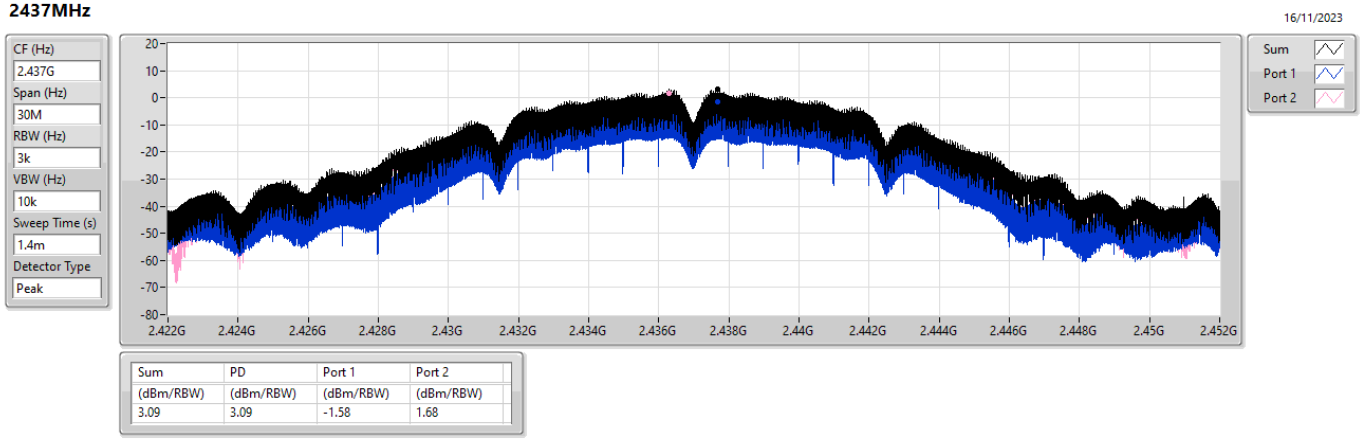
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.75	-0.75	-4.40	-2.81

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

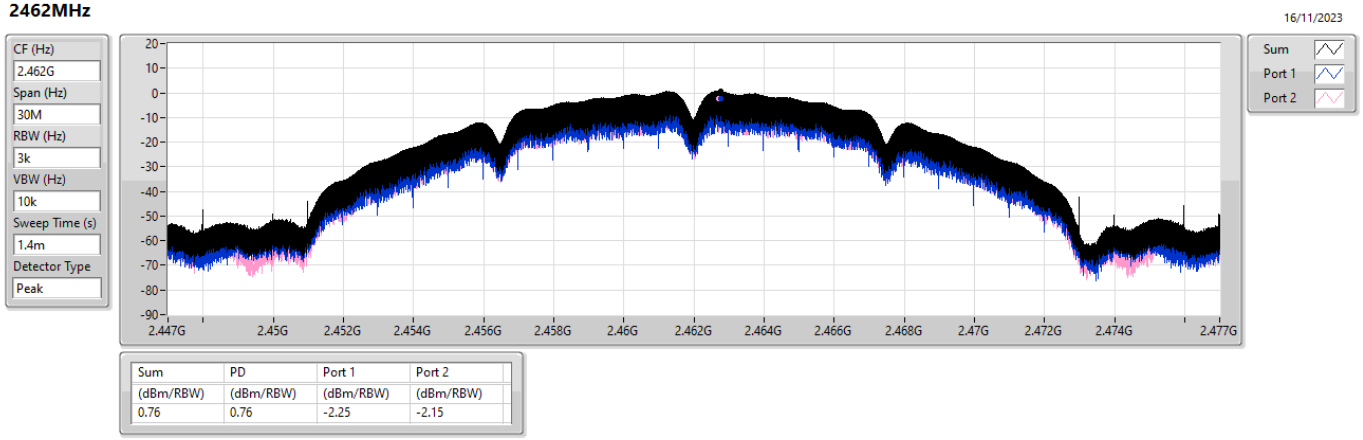
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.09	3.09	-1.58	1.68

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

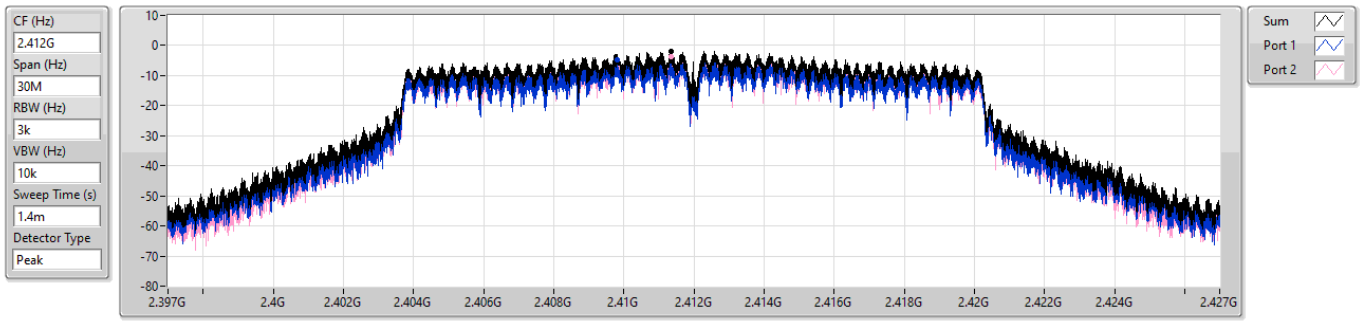
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.76	0.76	-2.25	-2.15

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

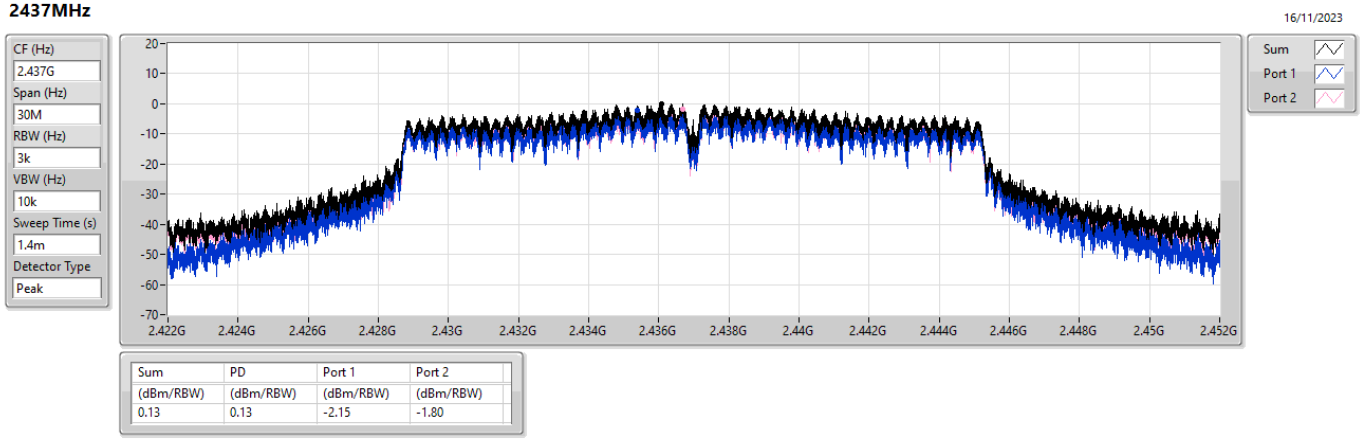
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.05	-2.05	-4.91	-3.66

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

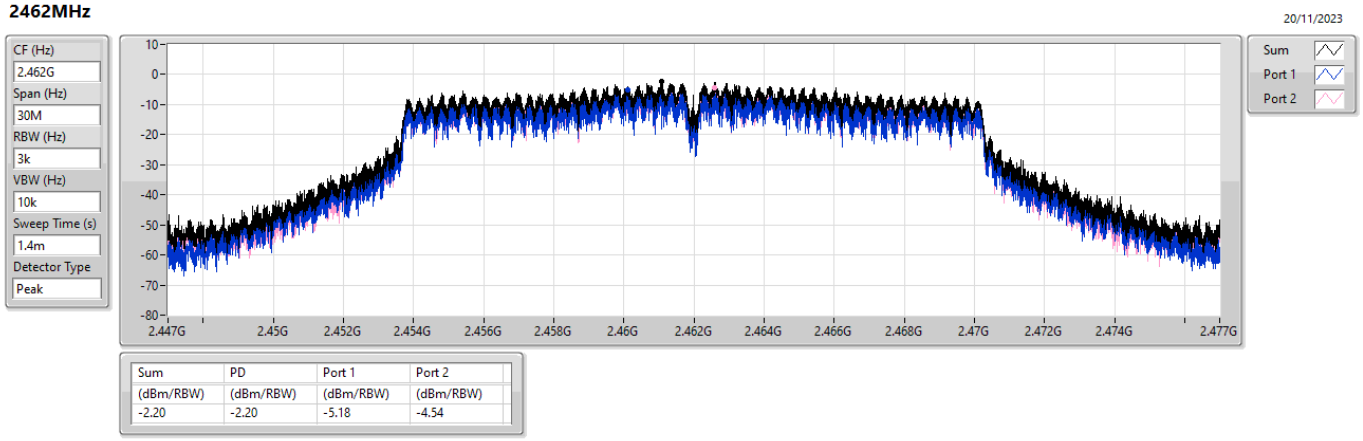
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.13	0.13	-2.15	-1.80

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

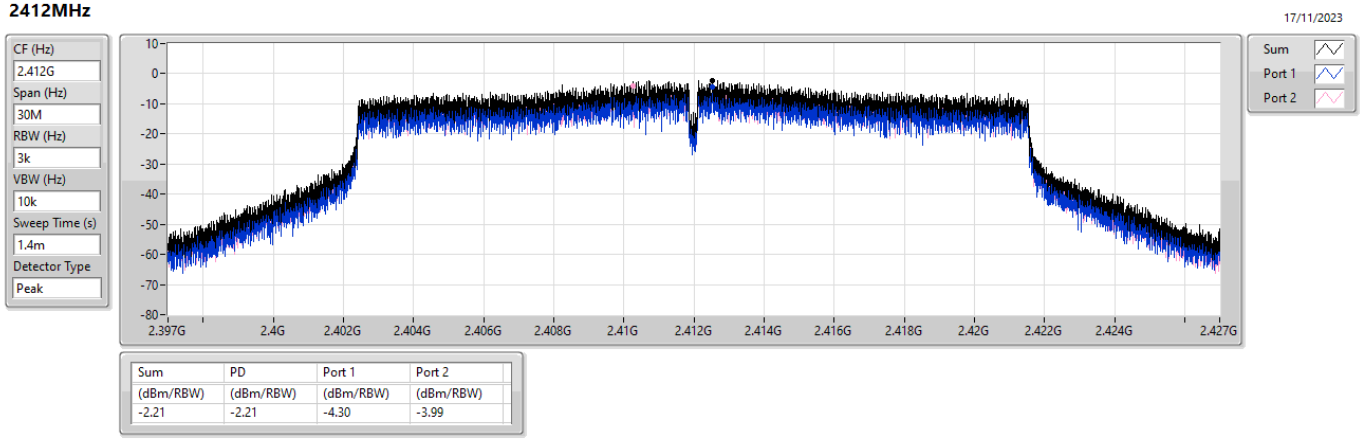
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.20	-2.20	-5.18	-4.54

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **PSD**

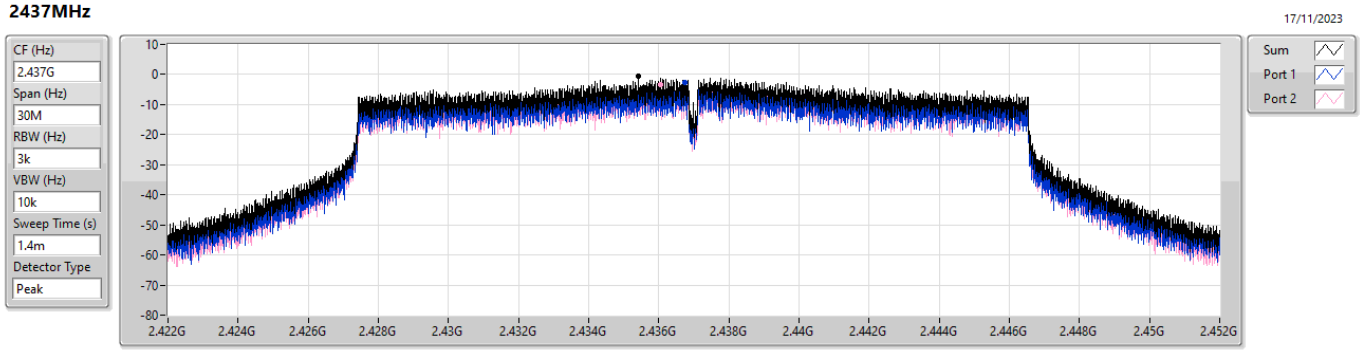
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.21	-2.21	-4.30	-3.99

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **PSD**

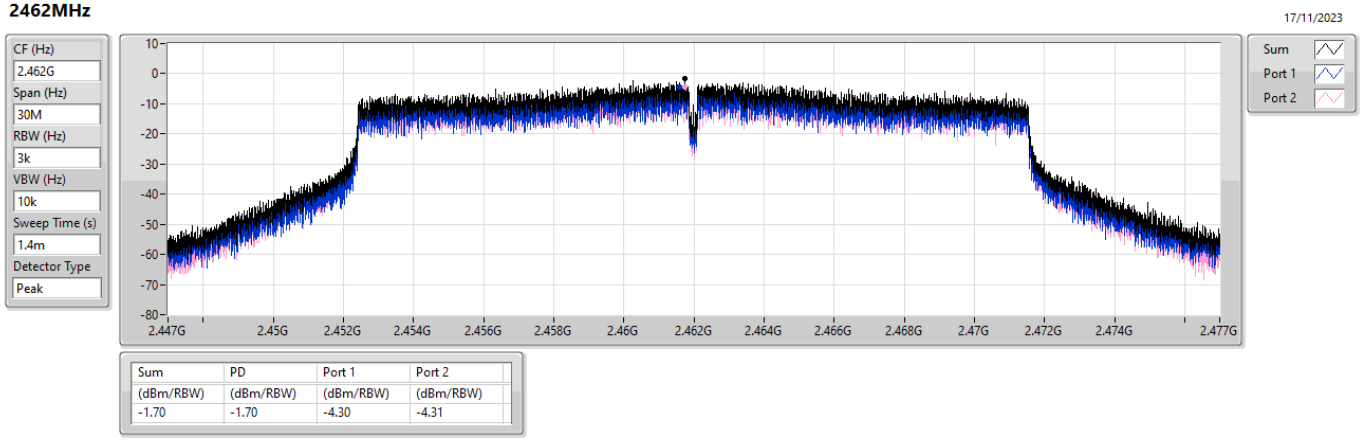
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.64	-0.64	-2.56	-3.30

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **PSD**

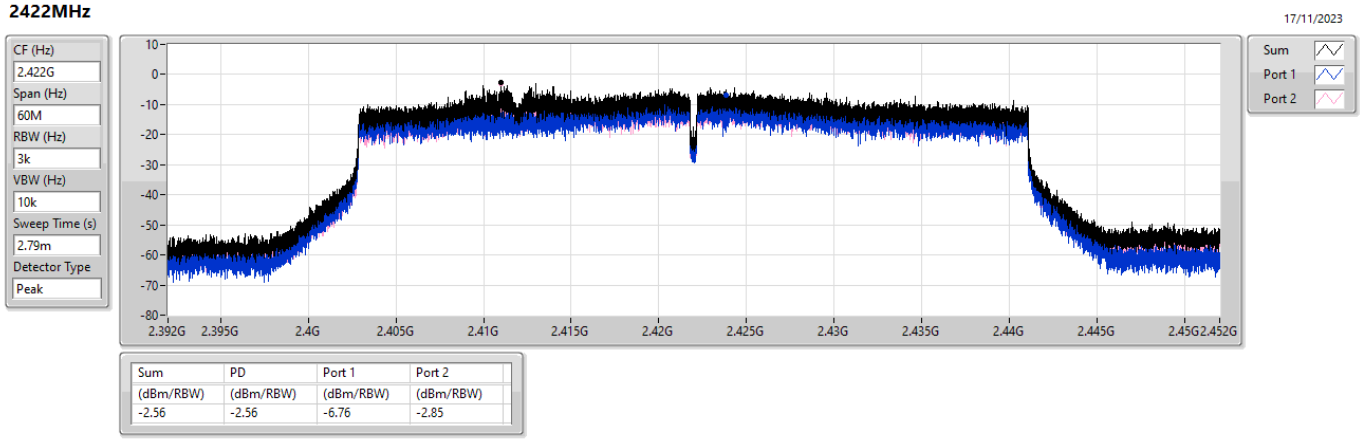
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.70	-1.70	-4.30	-4.31

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX **PSD**

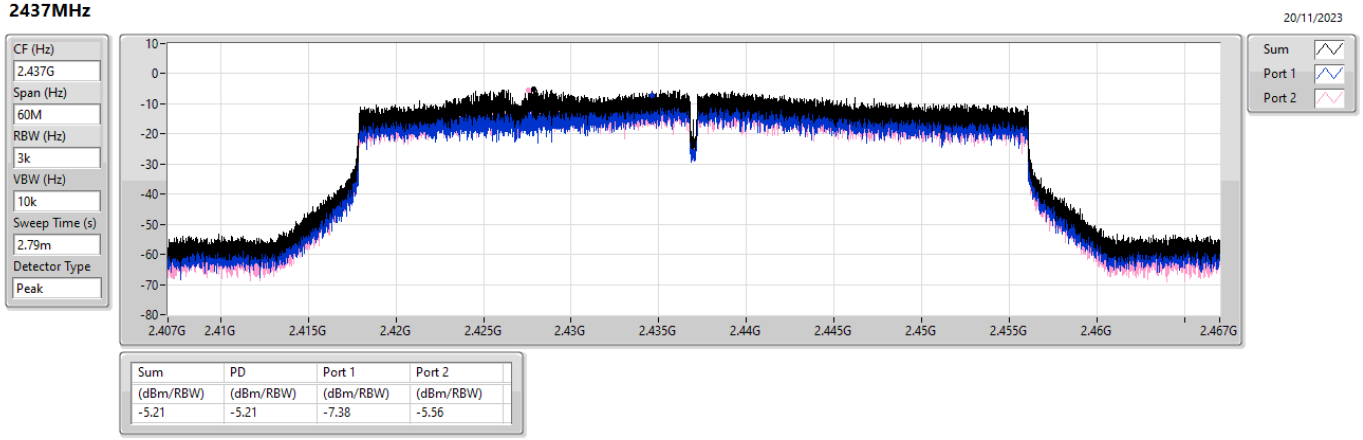
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.56	-2.56	-6.76	-2.85

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX **PSD**

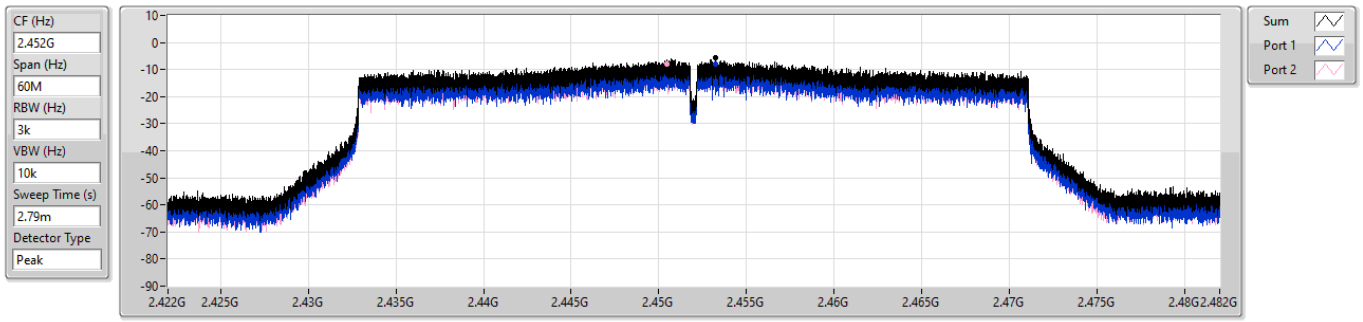
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.21	-5.21	-7.38	-5.56

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.71	-5.71	-8.10	-8.03

Summary

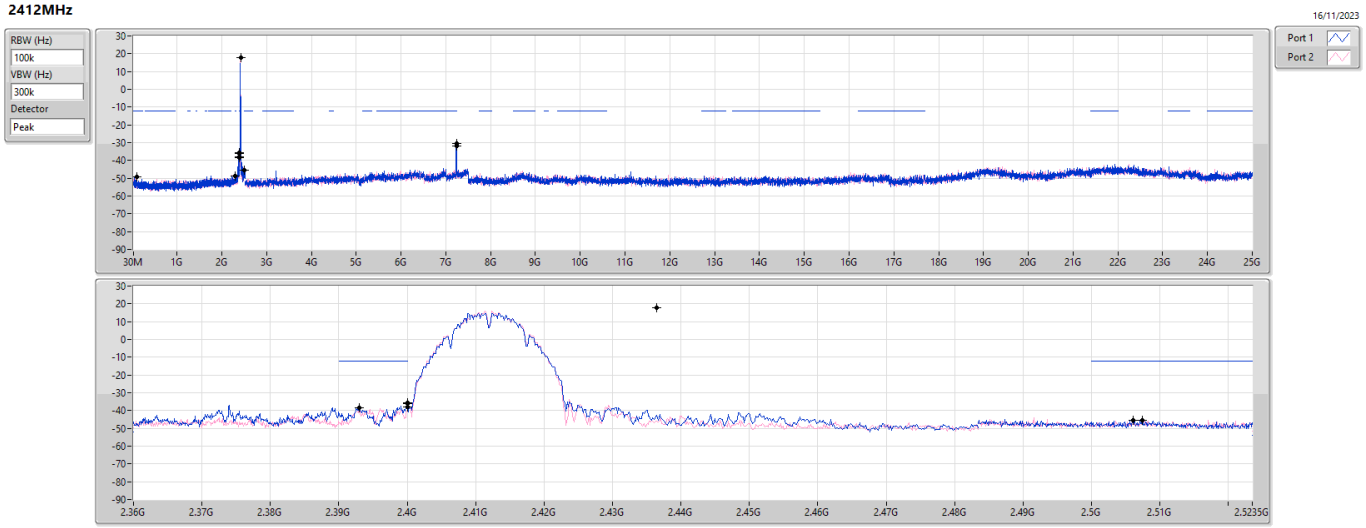
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43641G	17.62	-12.38	57.96M	-49.33	2.39752G	-30.48	2.4G	-36.95	2.50782G	-43.02	21.73248G	-43.09	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	15.87	-14.13	2.17477G	-49.93	2.39952G	-27.76	2.4G	-26.27	2.51198G	-45.73	7.23514G	-37.73	1
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43574G	13.51	-16.49	2.10836G	-49.66	2.4G	-26.29	2.4G	-26.61	2.51302G	-45.77	7.23233G	-36.62	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.40935G	10.83	-19.17	1.88147G	-48.34	2.4G	-34.11	2.4G	-30.31	2.5283G	-40.01	21.98229G	-43.03	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	2.43641G	17.62	-12.38	2.30292G	-48.77	2.4G	-35.87	2.4G	-35.76	2.50742G	-45.58	7.23514G	-31.90	1
2412MHz	Pass	2.43641G	17.62	-12.38	95.24M	-49.23	2.39304G	-38.51	2.4G	-38.08	2.50614G	-45.41	7.23514G	-30.67	2
2437MHz	Pass	2.43641G	17.62	-12.38	1.71576G	-49.14	2.39896G	-38.61	2.4G	-42.00	2.50526G	-45.39	21.72686G	-41.11	1
2437MHz	Pass	2.43641G	17.62	-12.38	57.96M	-49.33	2.39752G	-30.48	2.4G	-36.95	2.50782G	-43.02	21.73248G	-43.09	2
2462MHz	Pass	2.43641G	17.62	-12.38	1.91614G	-49.28	2.39232G	-44.87	2.4G	-48.69	2.50206G	-41.62	21.85891G	-43.21	1
2462MHz	Pass	2.43641G	17.62	-12.38	2.11885G	-49.27	2.39416G	-45.58	2.4G	-48.94	2.51366G	-44.95	21.55548G	-41.89	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	15.87	-14.13	2.17477G	-49.93	2.39952G	-27.76	2.4G	-26.27	2.51198G	-45.73	7.23514G	-37.73	1
2412MHz	Pass	2.43574G	15.87	-14.13	1.88701G	-49.74	2.39984G	-28.79	2.4G	-27.03	2.50982G	-45.88	7.23233G	-34.69	2
2437MHz	Pass	2.43574G	15.87	-14.13	2.11885G	-48.70	2.39952G	-39.54	2.4G	-43.25	2.50278G	-45.65	21.82519G	-42.42	1
2437MHz	Pass	2.43574G	15.87	-14.13	33.5M	-49.00	2.39952G	-34.60	2.4G	-36.89	2.50166G	-44.77	21.70438G	-42.65	2
2462MHz	Pass	2.43574G	15.87	-14.13	2.1538G	-49.80	2.39008G	-46.57	2.4G	-49.27	2.50198G	-43.50	21.8842G	-42.75	1
2462MHz	Pass	2.43574G	15.87	-14.13	2.30175G	-49.14	2.39056G	-45.38	2.4G	-47.48	2.50758G	-44.91	21.69034G	-42.95	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	13.51	-16.49	2.04895G	-49.47	2.39992G	-27.43	2.4G	-26.33	2.5091G	-45.18	7.23233G	-39.36	1
2412MHz	Pass	2.43574G	13.51	-16.49	2.10836G	-49.66	2.4G	-26.29	2.4G	-26.61	2.51302G	-45.77	7.23233G	-36.62	2
2437MHz	Pass	2.43574G	13.51	-16.49	2.30408G	-48.81	2.39728G	-41.81	2.4G	-44.74	2.50126G	-44.61	21.88981G	-42.83	1
2437MHz	Pass	2.43574G	13.51	-16.49	2.02681G	-49.63	2.39408G	-45.07	2.4G	-46.54	2.50342G	-45.43	21.91791G	-42.50	2
2462MHz	Pass	2.43574G	13.51	-16.49	2.12933G	-49.32	2.39264G	-45.46	2.4G	-49.10	2.5007G	-43.64	21.68472G	-43.02	1
2462MHz	Pass	2.43574G	13.51	-16.49	2.08739G	-48.18	2.39448G	-45.92	2.4G	-49.08	2.50894G	-44.11	21.75776G	-42.57	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.40935G	10.83	-19.17	1.88147G	-48.34	2.4G	-34.11	2.4G	-30.31	2.5283G	-40.01	21.98229G	-43.03	1
2422MHz	Pass	2.40935G	10.83	-19.17	1.9078G	-48.95	2.39952G	-32.52	2.4G	-31.47	2.50142G	-46.90	21.64013G	-42.94	2
2437MHz	Pass	2.40935G	10.83	-19.17	1.86544G	-49.20	2.39952G	-40.88	2.4G	-45.06	2.50606G	-39.32	21.70744G	-43.25	1
2437MHz	Pass	2.40935G	10.83	-19.17	2.30397G	-49.36	2.3904G	-32.38	2.4G	-45.05	2.51294G	-43.95	21.65696G	-42.99	2
2452MHz	Pass	2.40935G	10.83	-19.17	1.80819G	-48.58	2.39744G	-48.10	2.4G	-49.13	2.54398G	-48.41	21.66257G	-42.63	1
2452MHz	Pass	2.40935G	10.83	-19.17	52.9M	-49.18	2.39328G	-45.77	2.4G	-48.88	2.51454G	-46.80	21.86169G	-41.50	2

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

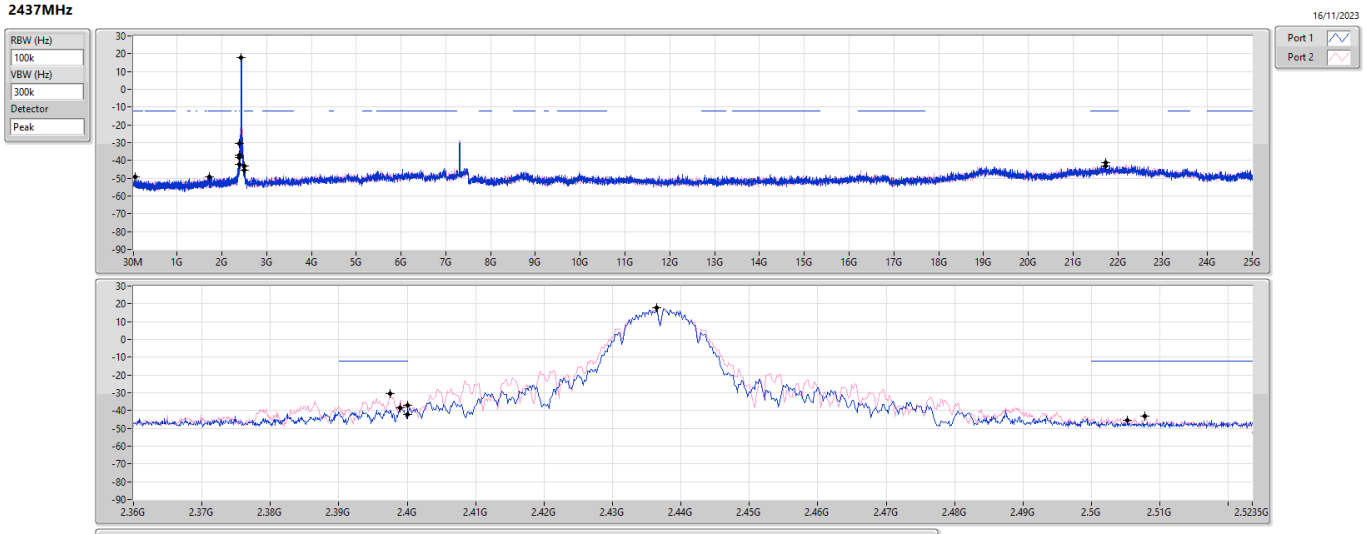
2412MHz



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
2.43641G	17.62	-12.38	2.30292G	-48.77	2.4G	-35.87	2.4G	-35.76	2.50742G	-45.58	7.23514G	-31.90	1
2.43641G	17.62	-12.38	95.24M	-49.23	2.39304G	-38.51	2.4G	-38.08	2.50614G	-45.41	7.23514G	-30.67	2

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

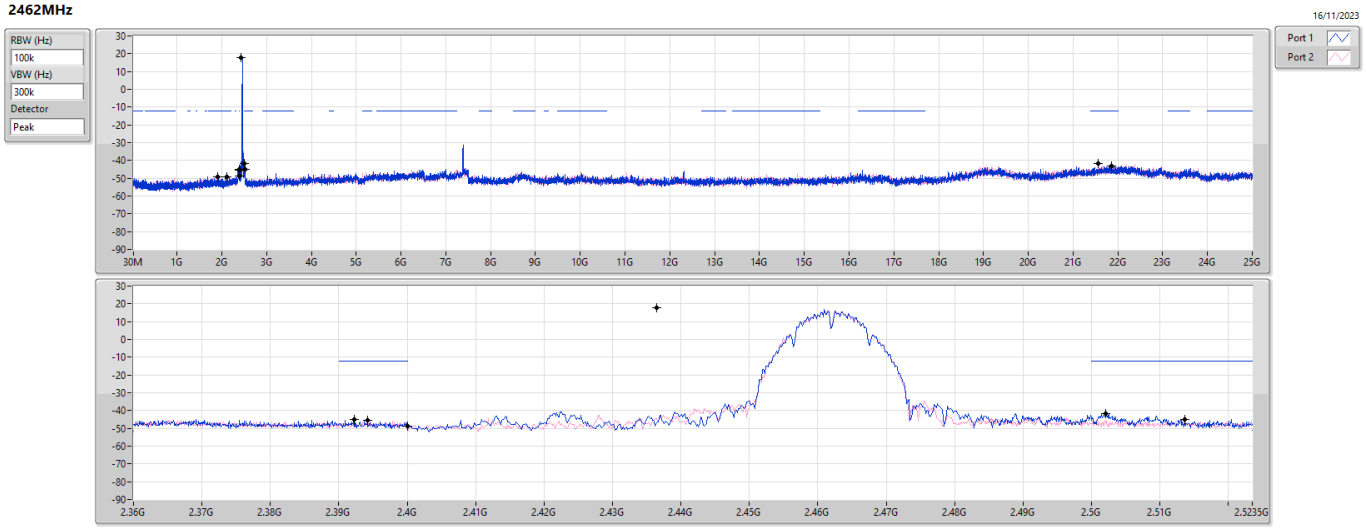
2437MHz



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
2.43641G	17.62	-12.38	1.71576G	-49.14	2.39896G	-38.61	2.4G	-42.00	2.50526G	-45.39	21.72686G	-41.11	1
2.43641G	17.62	-12.38	57.96M	-49.33	2.39752G	-30.48	2.4G	-36.95	2.50782G	-43.02	21.73248G	-43.09	2

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

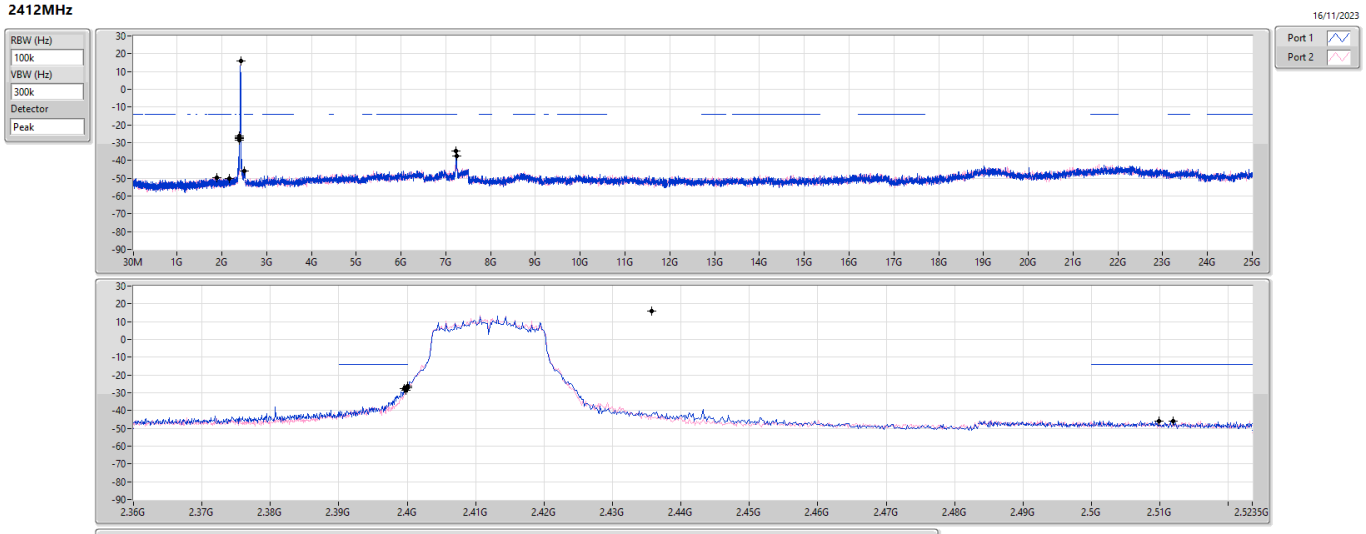
2462MHz



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
2.43641G	17.62	-12.38	1.91614G	-49.28	2.39232G	-44.87	2.4G	-48.69	2.50206G	-41.62	21.85891G	-43.21	1
2.43641G	17.62	-12.38	2.11885G	-49.27	2.39416G	-45.58	2.4G	-48.94	2.51366G	-44.95	21.55548G	-41.89	2

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

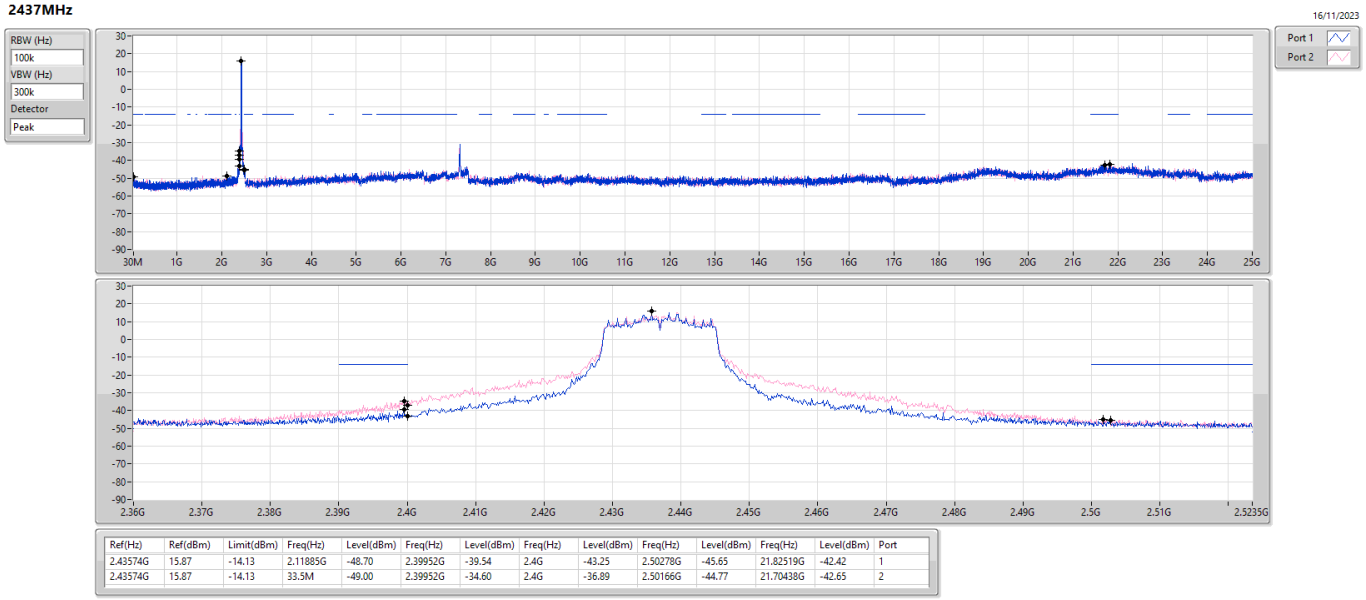
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	15.87	-14.13	2.17477G	-49.93	2.39952G	-27.76	2.4G	-26.27	2.51198G	-45.73	7.23514G	-37.73	1
2.43574G	15.87	-14.13	1.88701G	-49.74	2.39984G	-28.79	2.4G	-27.03	2.50982G	-45.88	7.23233G	-34.69	2

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

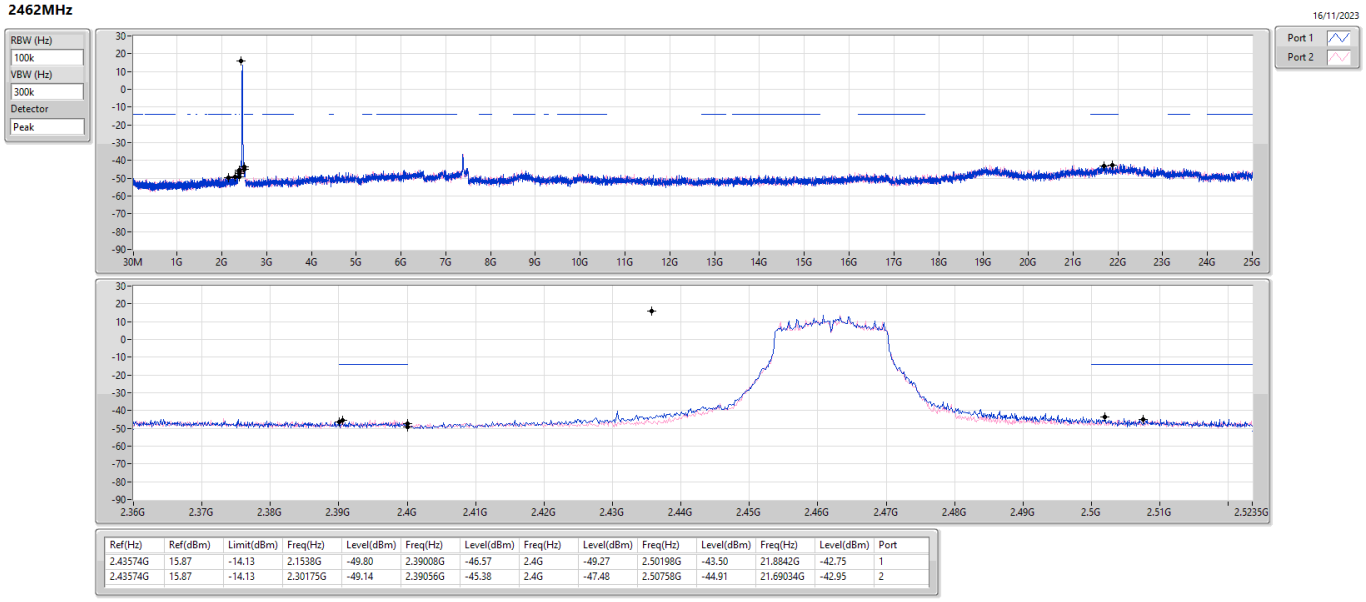
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	15.87	-14.13	2.11885G	-48.70	2.39952G	-39.54	2.4G	-43.25	2.50278G	-45.65	21.82519G	-42.42	1
2.43574G	15.87	-14.13	33.5M	-49.00	2.39952G	-34.60	2.4G	-36.89	2.50166G	-44.77	21.70438G	-42.65	2

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

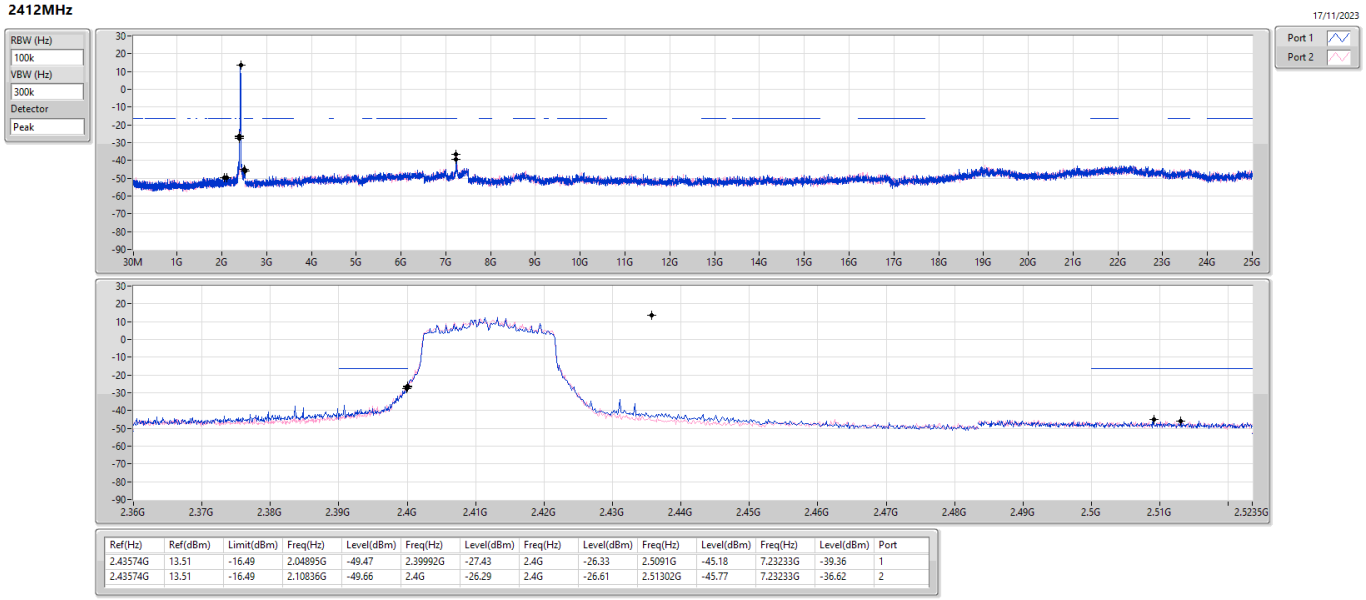
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	15.87	-14.13	2.1538G	-49.80	2.39008G	-46.57	2.4G	-49.27	2.50198G	-43.50	21.8842G	-42.75	1
2.43574G	15.87	-14.13	2.30175G	-49.14	2.39056G	-45.38	2.4G	-47.48	2.50758G	-44.91	21.69034G	-42.95	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **CSENdB**

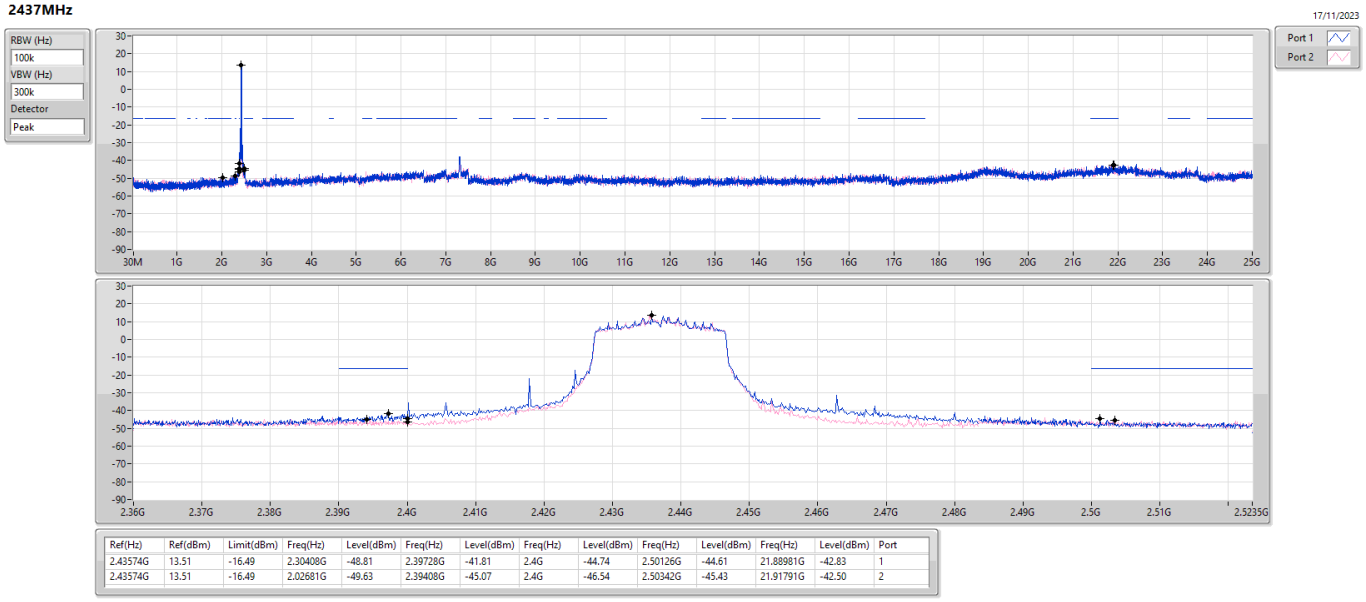
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	13.51	-16.49	2.04895G	-49.47	2.39992G	-27.43	2.4G	-26.33	2.5091G	-45.18	7.23233G	-39.36	1
2.43574G	13.51	-16.49	2.10836G	-49.66	2.4G	-26.29	2.4G	-26.61	2.51302G	-45.77	7.23233G	-36.62	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX **CSENdB**

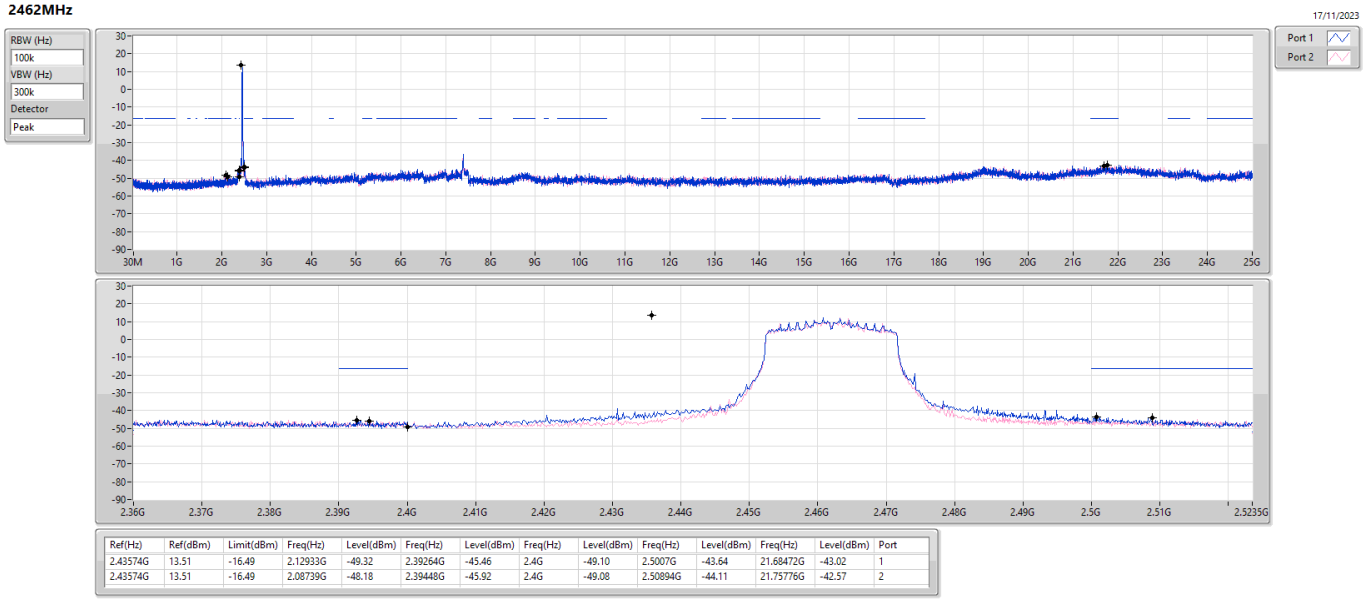
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	13.51	-16.49	2.30408G	-48.81	2.39728G	-41.81	2.4G	-44.74	2.50126G	-44.61	21.88981G	-42.83	1
2.43574G	13.51	-16.49	2.02681G	-49.63	2.39408G	-45.07	2.4G	-46.54	2.50342G	-45.43	21.91791G	-42.50	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX CSENdB

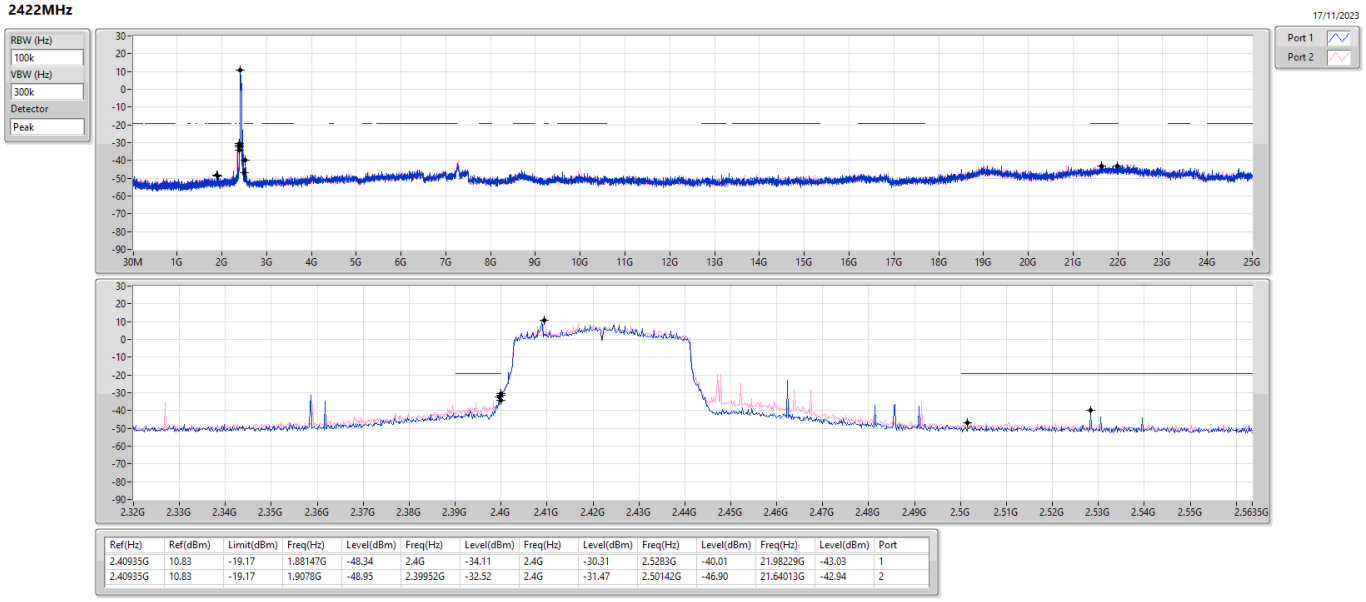
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	13.51	-16.49	2.12933G	-49.32	2.39264G	-45.46	2.4G	-49.10	2.5007G	-43.64	21.68472G	-43.02	1
2.43574G	13.51	-16.49	2.08739G	-48.18	2.39448G	-45.92	2.4G	-49.08	2.50894G	-44.11	21.75776G	-42.57	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX CSENdB

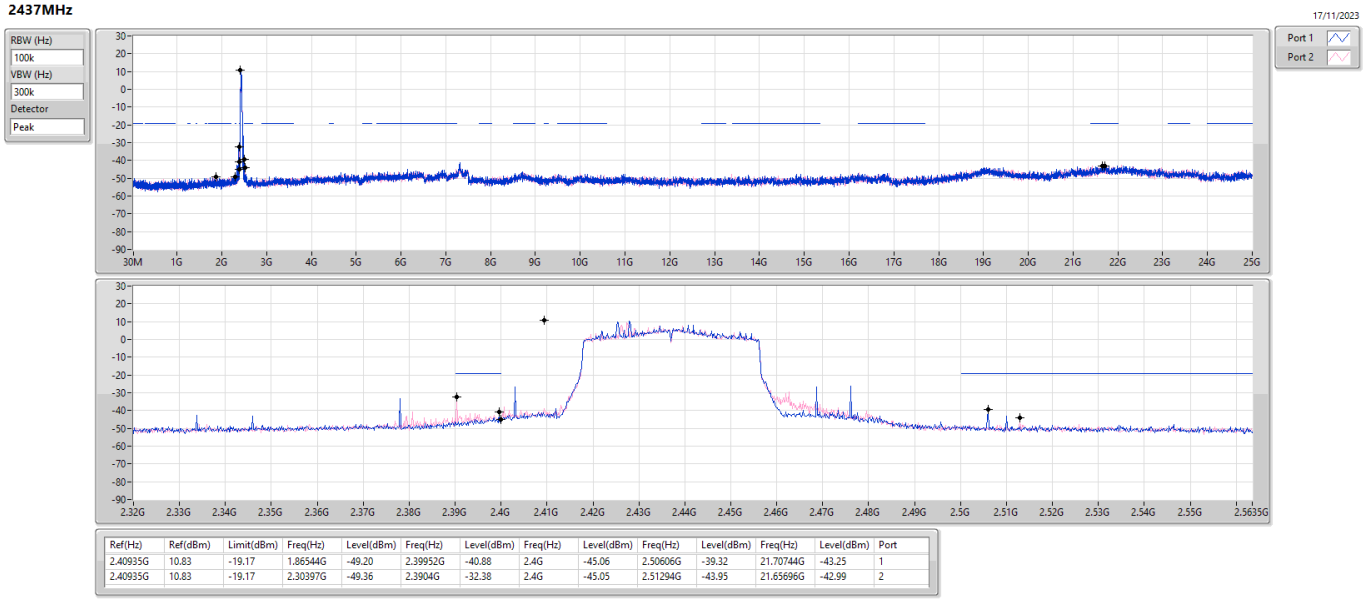
2422MHz



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
2.40935G	10.83	-19.17	1.88147G	-48.34	2.4G	-34.11	2.4G	-30.31	2.5283G	-40.01	21.98229G	-43.03	1
2.40935G	10.83	-19.17	1.9078G	-48.95	2.39952G	-32.52	2.4G	-31.47	2.50142G	-46.90	21.64013G	-42.94	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX CSENdB

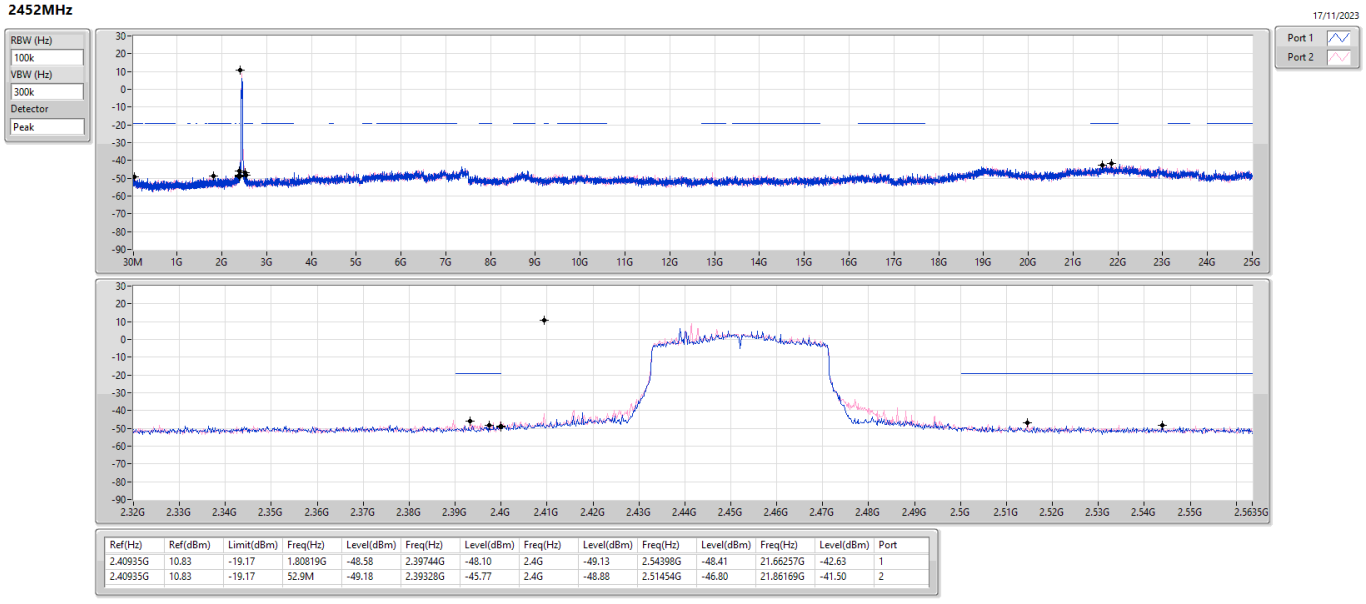
2437MHz



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
2.40935G	10.83	-19.17	1.86544G	-49.20	2.39952G	-40.88	2.4G	-45.06	2.50606G	-39.32	21.70744G	-43.25	1
2.40935G	10.83	-19.17	2.30397G	-49.36	2.3904G	-32.38	2.4G	-45.05	2.51294G	-43.95	21.65696G	-42.99	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX CSENdB

2452MHz

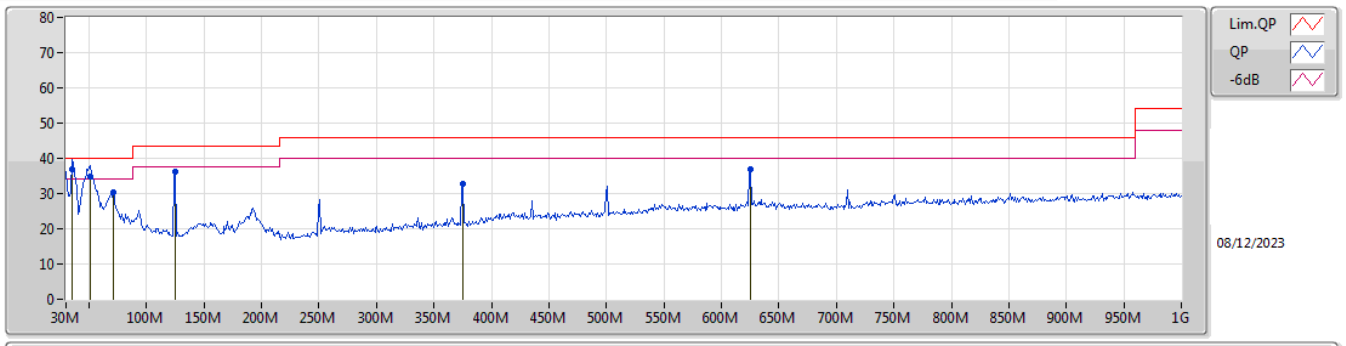


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40935G	10.83	-19.17	1.80819G	-48.58	2.39744G	-48.10	2.4G	-49.13	2.54398G	-48.41	21.66257G	-42.63	1
2.40935G	10.83	-19.17	52.9M	-49.18	2.39328G	-45.77	2.4G	-48.88	2.51454G	-46.80	21.86169G	-41.50	2

Summary

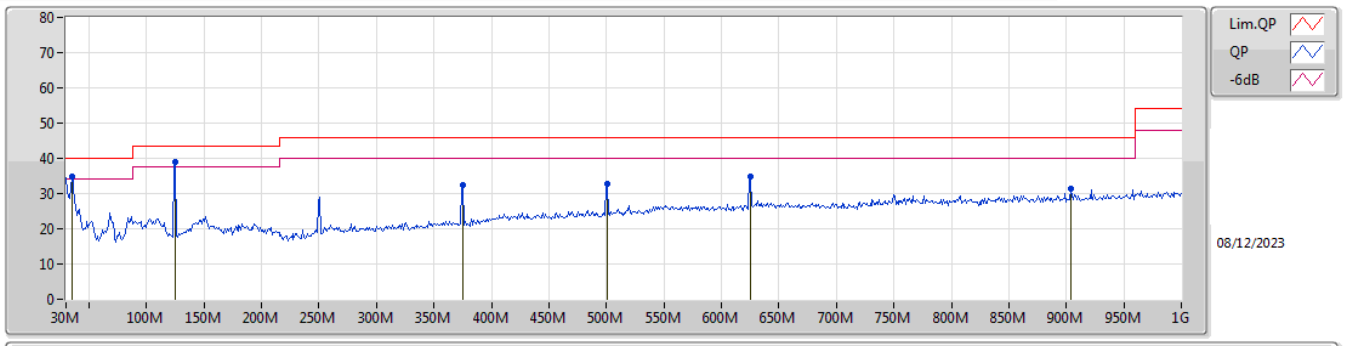
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	QP	34.85M	36.99	40.00	-3.01	Vertical

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	34.85M	36.99	40.00	-3.01	-5.50	3	Vertical	103	1.00	"Worst"	42.49	22.35	0.68	28.53
QP	51.34M	34.82	40.00	-5.18	-14.00	3	Vertical	360	1.00	-	48.82	13.82	0.81	28.63
PK	70.74M	30.29	40.00	-9.71	-15.19	3	Vertical	195	1.50	-	45.48	12.38	0.95	28.52
PK	125.06M	36.34	43.50	-7.16	-9.22	3	Vertical	81	1.00	-	45.56	17.91	1.28	28.41
PK	375.32M	32.87	46.00	-13.13	-5.50	3	Vertical	41	1.50	-	38.37	20.73	2.25	28.48
PK	625.58M	37.02	46.00	-8.98	-1.09	3	Vertical	192	1.50	-	38.11	25.24	2.99	29.32

Mode 2



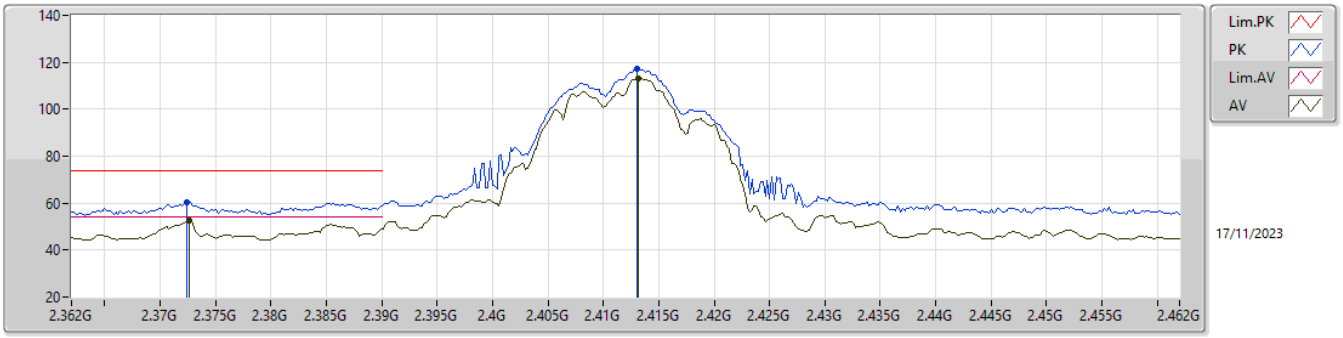
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	34.85M	35.00	40.00	-5.00	-5.50	3	Horizontal	174	1.00	-	40.50	22.35	0.68	28.53
PK	125.06M	38.91	43.50	-4.59	-9.22	3	Horizontal	272	3.00	"Worst"	48.13	17.91	1.28	28.41
PK	375.32M	32.28	46.00	-13.72	-5.50	3	Horizontal	132	1.00	-	37.78	20.73	2.25	28.48
PK	500.45M	32.62	46.00	-13.38	-3.34	3	Horizontal	145	2.00	-	35.96	23.35	2.65	29.34
PK	625.58M	34.73	46.00	-11.27	-1.09	3	Horizontal	152	1.50	-	35.82	25.24	2.99	29.32
PK	903.97M	31.53	46.00	-14.47	1.29	3	Horizontal	360	2.00	-	30.24	26.46	3.58	28.75

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 HEW20-BF_Nss1,(MCS0)_2TX	Pass	AV	2.4842G	52.89	54.00	-1.11	3	Vertical	183	1.50	-

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

2412MHz_TX

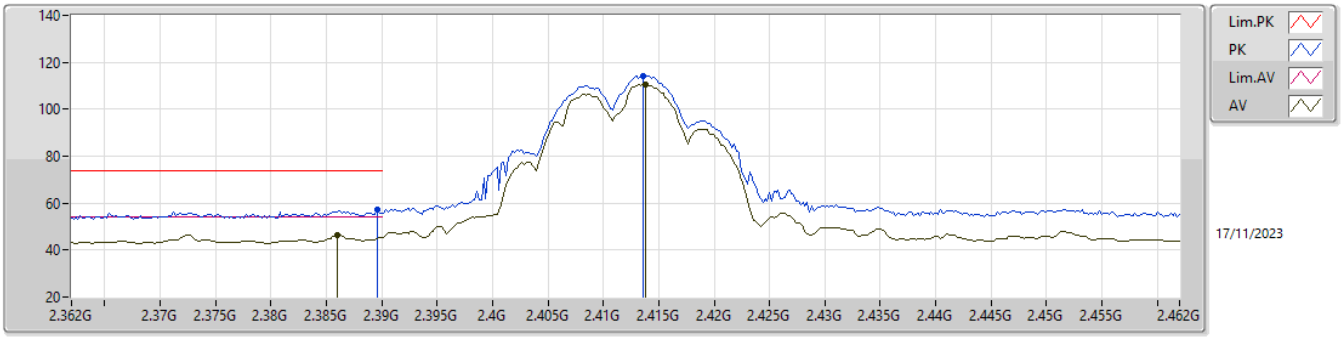


EUT Y_2TX
Setting 24
04-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3724G	60.40	74.00	-13.60	29.58	3	Vertical	227	1.80	-	27.48	3.34	-
AV	2.3726G	52.66	54.00	-1.34	21.85	3	Vertical	227	1.80	-	27.47	3.34	-
PK	2.413G	117.18	Inf	-Inf	86.32	3	Vertical	227	1.80	-	27.50	3.36	-
AV	2.4132G	113.22	Inf	-Inf	82.36	3	Vertical	227	1.80	-	27.50	3.36	-

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

2412MHz_TX

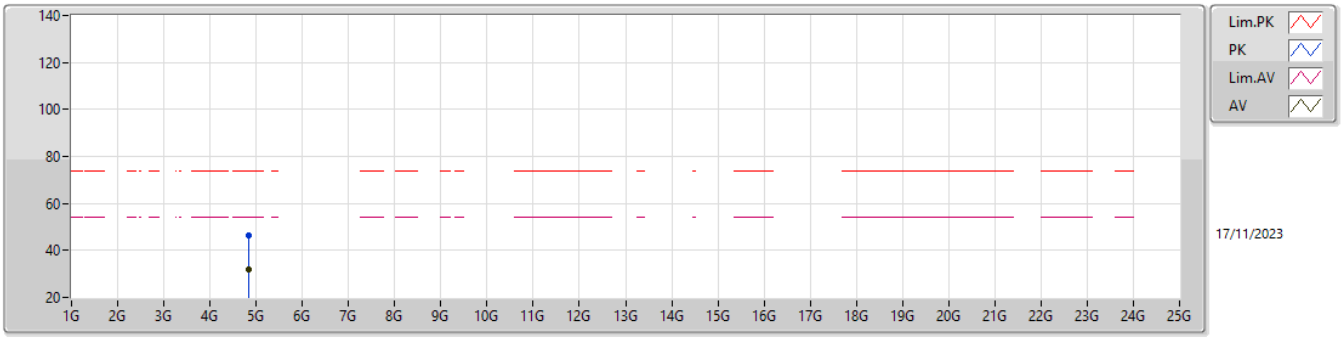


EUT Y_2TX
Setting 24
04-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	57.21	74.00	-16.79	26.46	3	Horizontal	358	3.00	-	27.40	3.35	-
AV	2.386G	46.26	54.00	-7.74	15.52	3	Horizontal	358	3.00	-	27.40	3.34	-
PK	2.4136G	114.27	Inf	-Inf	83.41	3	Horizontal	358	3.00	-	27.50	3.36	-
AV	2.4138G	110.41	Inf	-Inf	79.55	3	Horizontal	358	3.00	-	27.50	3.36	-

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

2412MHz_TX

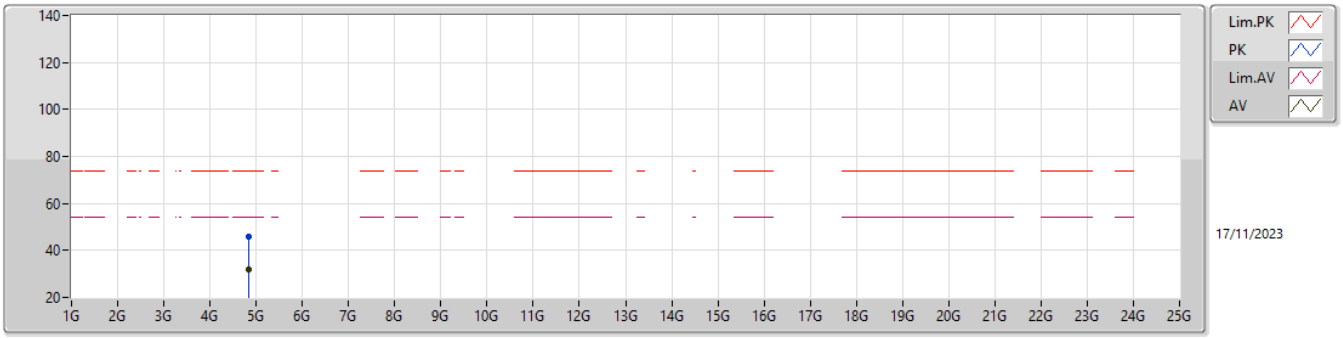


EUT Y_2TX
Setting 24
04-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82636G	46.33	74.00	-27.67	41.58	3	Vertical	349	1.80	-	32.35	5.67	33.27
AV	4.82548G	31.86	54.00	-22.14	27.11	3	Vertical	349	1.80	-	32.35	5.67	33.27

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

2412MHz_TX

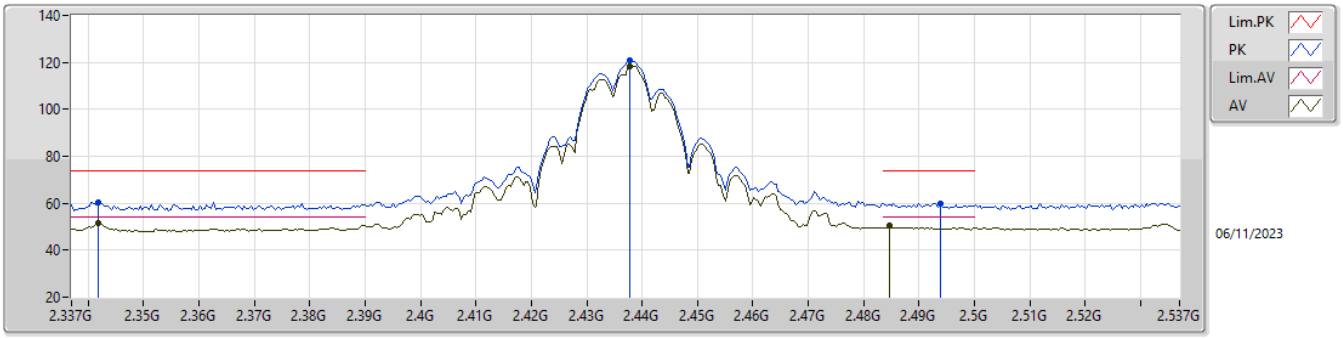


EUT Y_2TX
Setting 24
04-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82732G	45.66	74.00	-28.34	40.91	3	Horizontal	8	1.77	-	32.35	5.67	33.27
AV	4.82672G	32.04	54.00	-21.96	27.29	3	Horizontal	8	1.77	-	32.35	5.67	33.27

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

2437MHz_TX

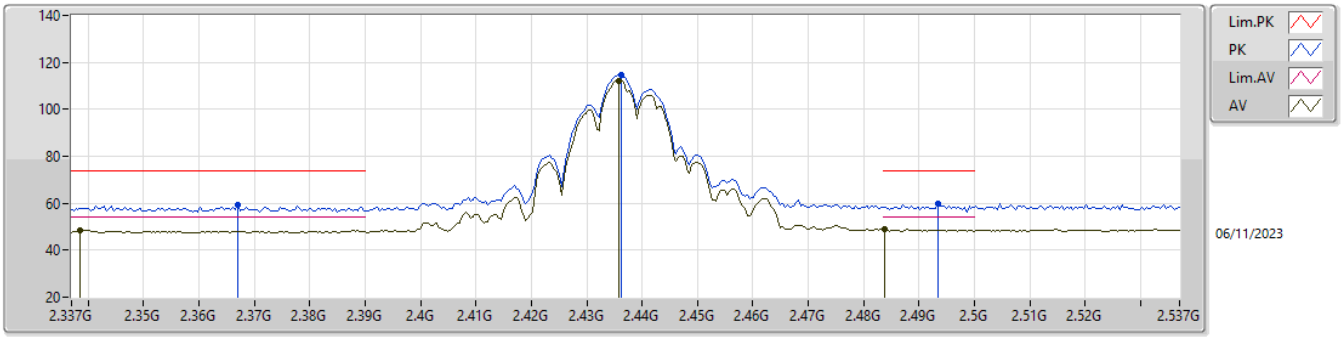


EUT Y_2TX
Setting 26.5
02-H-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3418G	60.43	74.00	-13.57	28.64	3	Vertical	155	1.49	-	27.20	4.59	-
AV	2.3418G	51.36	54.00	-2.64	19.57	3	Vertical	155	1.49	-	27.20	4.59	-
PK	2.4378G	120.81	Inf	-Inf	88.67	3	Vertical	155	1.49	-	27.50	4.64	-
AV	2.4378G	118.48	Inf	-Inf	86.34	3	Vertical	155	1.49	-	27.50	4.64	-
PK	2.4938G	60.04	74.00	-13.96	27.71	3	Vertical	155	1.49	-	27.74	4.59	-
AV	2.4846G	50.35	54.00	-3.65	18.05	3	Vertical	155	1.49	-	27.70	4.60	-

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

2437MHz_TX

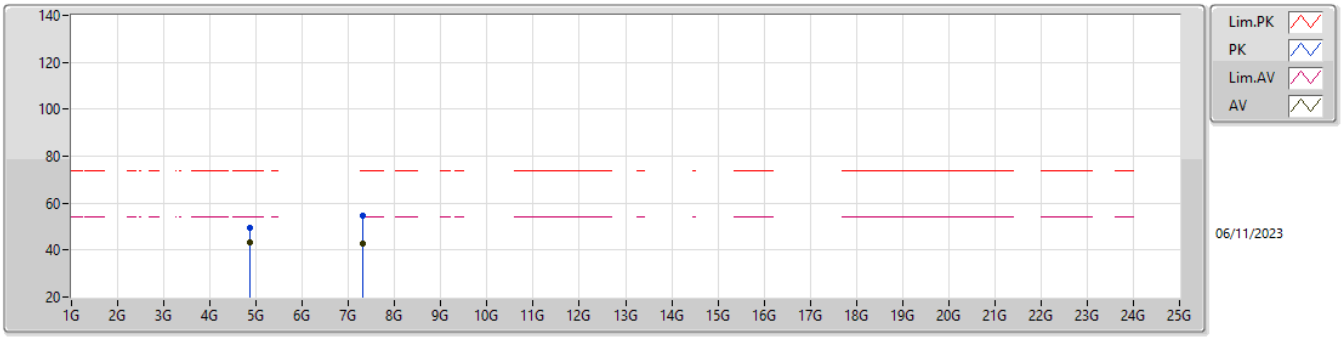


EUT Y_2TX
Setting 26.5
02-H-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.367G	59.33	74.00	-14.67	27.44	3	Horizontal	183	1.80	-	27.27	4.62	-
AV	2.3386G	48.54	54.00	-5.46	16.76	3	Horizontal	183	1.80	-	27.20	4.58	-
PK	2.4362G	114.55	Inf	-Inf	82.41	3	Horizontal	183	1.80	-	27.50	4.64	-
AV	2.4358G	112.28	Inf	-Inf	80.14	3	Horizontal	183	1.80	-	27.50	4.64	-
PK	2.4934G	60.04	74.00	-13.96	27.72	3	Horizontal	183	1.80	-	27.73	4.59	-
AV	2.4838G	48.84	54.00	-5.16	16.54	3	Horizontal	183	1.80	-	27.70	4.60	-

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

2437MHz_TX

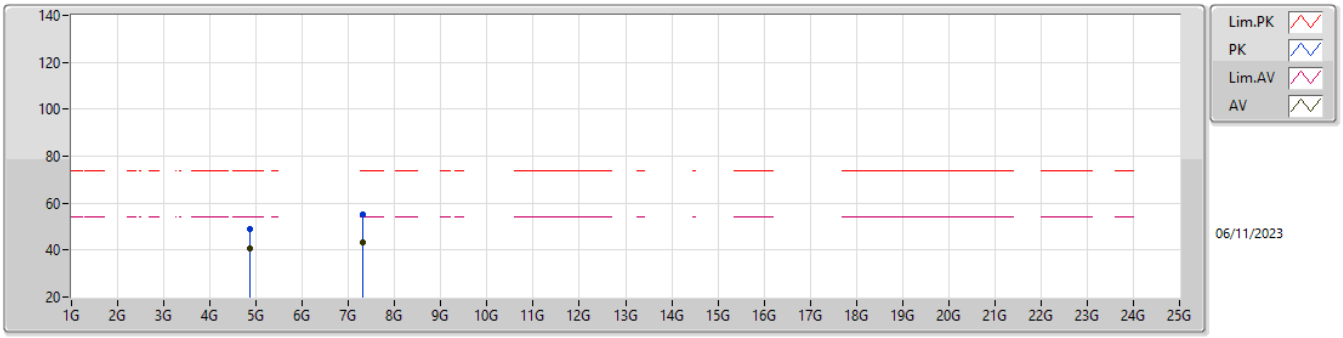


EUT Y_2TX
Setting 26.5
02-H-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87395G	49.69	74.00	-24.31	43.17	3	Vertical	358	2.18	-	32.50	6.98	32.96
AV	4.87392G	43.09	54.00	-10.91	36.57	3	Vertical	358	2.18	-	32.50	6.98	32.96
PK	7.30899G	54.50	74.00	-19.50	42.22	3	Vertical	295	2.91	-	36.76	8.62	33.10
AV	7.30875G	42.96	54.00	-11.04	30.68	3	Vertical	295	2.91	-	36.76	8.62	33.10

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

2437MHz_TX

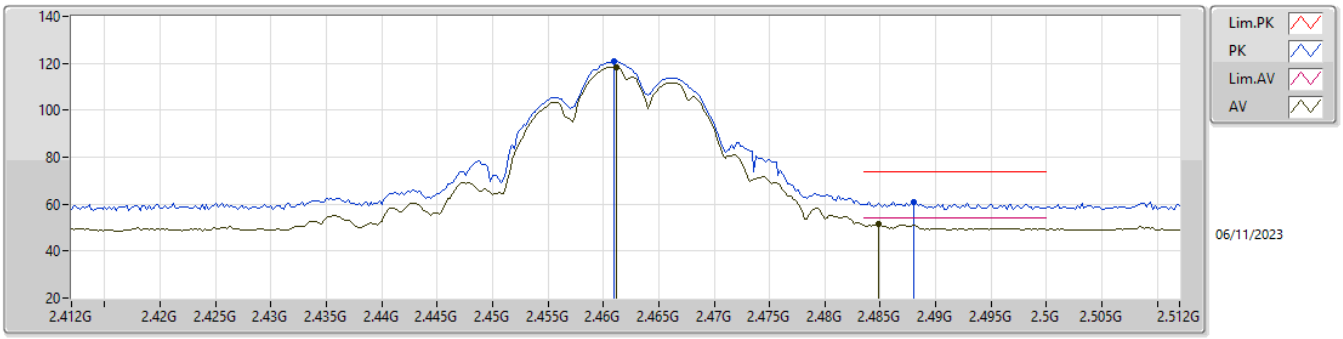


EUT Y_2TX
Setting 26.5
02-H-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87404G	49.11	74.00	-24.89	42.59	3	Horizontal	347	1.80	-	32.50	6.98	32.96
AV	4.87402G	40.56	54.00	-13.44	34.04	3	Horizontal	347	1.80	-	32.50	6.98	32.96
PK	7.30977G	55.10	74.00	-18.90	42.82	3	Horizontal	247	1.80	-	36.76	8.62	33.10
AV	7.30862G	43.17	54.00	-10.83	30.88	3	Horizontal	247	1.80	-	36.77	8.62	33.10

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

2462MHz_TX

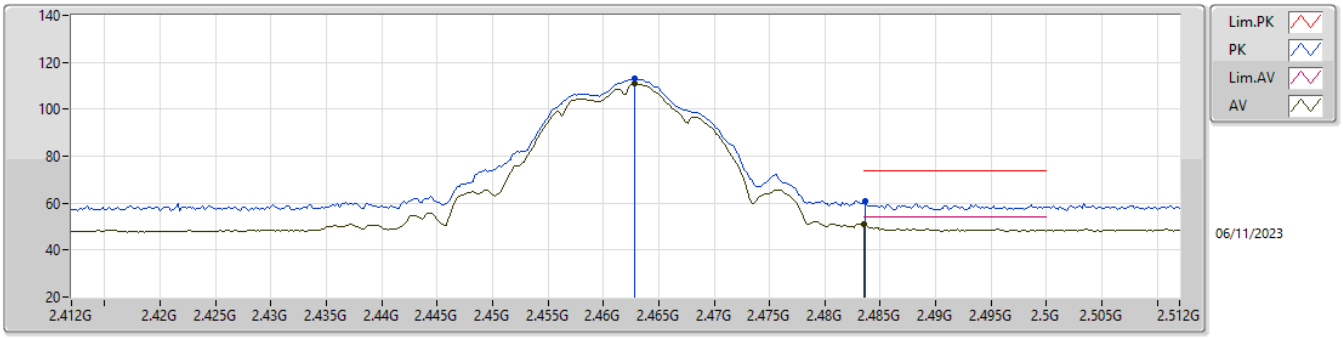


EUT Y_2TX
Setting 25
02-H-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.461G	120.79	Inf	-Inf	88.57	3	Vertical	177	1.46	-	27.60	4.62	-
AV	2.4612G	118.52	Inf	-Inf	86.30	3	Vertical	177	1.46	-	27.60	4.62	-
PK	2.488G	61.12	74.00	-12.88	28.82	3	Vertical	177	1.46	-	27.70	4.60	-
AV	2.4848G	51.63	54.00	-2.37	19.33	3	Vertical	177	1.46	-	27.70	4.60	-

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

2462MHz_TX

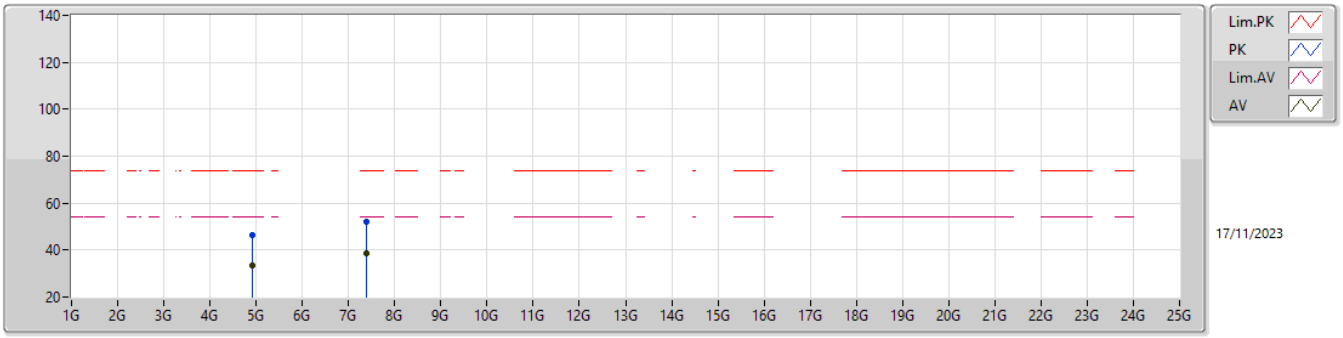


EUT Y_2TX
Setting 25
02-H-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4628G	113.05	Inf	-Inf	80.83	3	Horizontal	18	1.60	-	27.60	4.62	-
AV	2.4628G	110.87	Inf	-Inf	78.65	3	Horizontal	18	1.60	-	27.60	4.62	-
PK	2.4836G	60.73	74.00	-13.27	28.43	3	Horizontal	18	1.60	-	27.70	4.60	-
AV	2.4835G	50.92	54.00	-3.08	18.62	3	Horizontal	18	1.60	-	27.70	4.60	-

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

2462MHz_TX

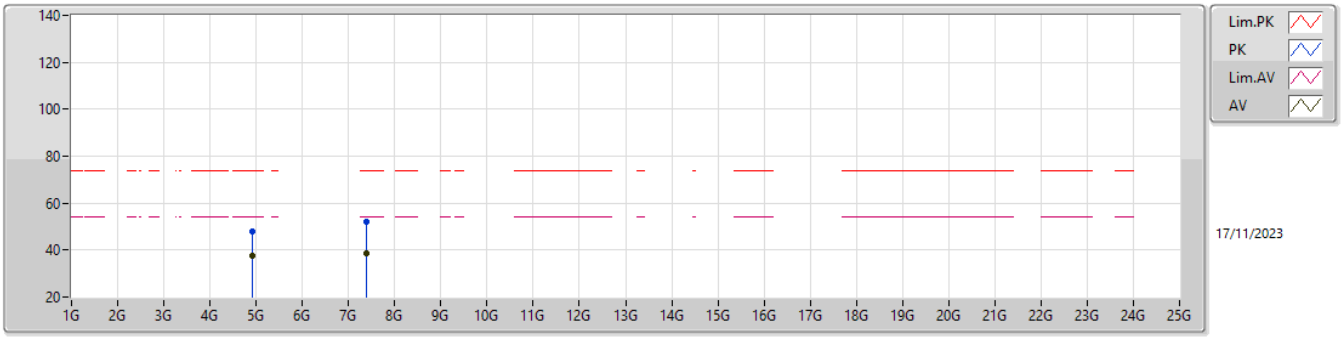


EUT Y_2TX
Setting 25
04-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92396G	46.38	74.00	-27.62	41.21	3	Vertical	24	1.22	-	32.65	5.76	33.24
AV	4.92404G	33.67	54.00	-20.33	28.50	3	Vertical	24	1.22	-	32.65	5.76	33.24
PK	7.37884G	52.17	74.00	-21.83	41.93	3	Vertical	176	2.69	-	37.20	7.16	34.12
AV	7.38136G	38.68	54.00	-15.32	28.44	3	Vertical	176	2.69	-	37.20	7.16	34.12

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

2462MHz_TX

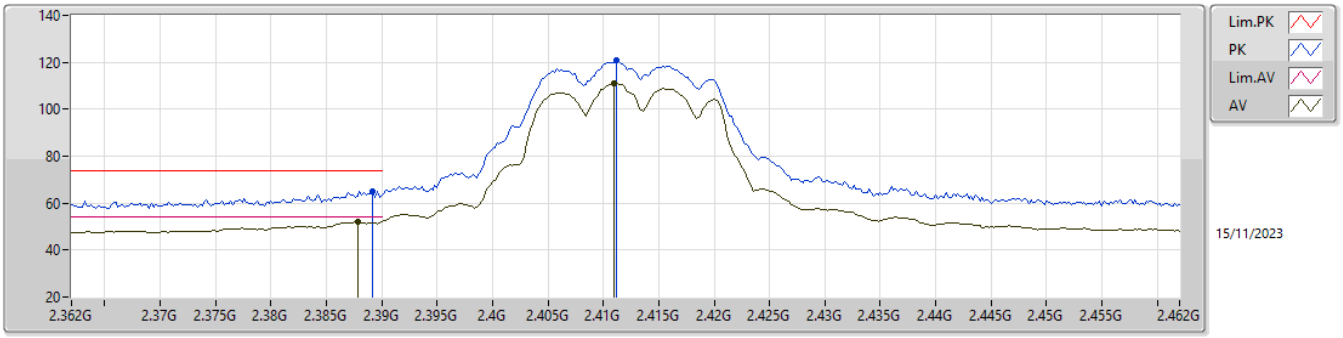


EUT Y_2TX
Setting 25
04-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92408G	48.08	74.00	-25.92	42.91	3	Horizontal	337	1.01	-	32.65	5.76	33.24
AV	4.924G	37.70	54.00	-16.30	32.53	3	Horizontal	337	1.01	-	32.65	5.76	33.24
PK	7.38384G	52.25	74.00	-21.75	42.01	3	Horizontal	249	1.80	-	37.20	7.16	34.12
AV	7.38168G	38.58	54.00	-15.42	28.34	3	Horizontal	249	1.80	-	37.20	7.16	34.12

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

2412MHz_TX

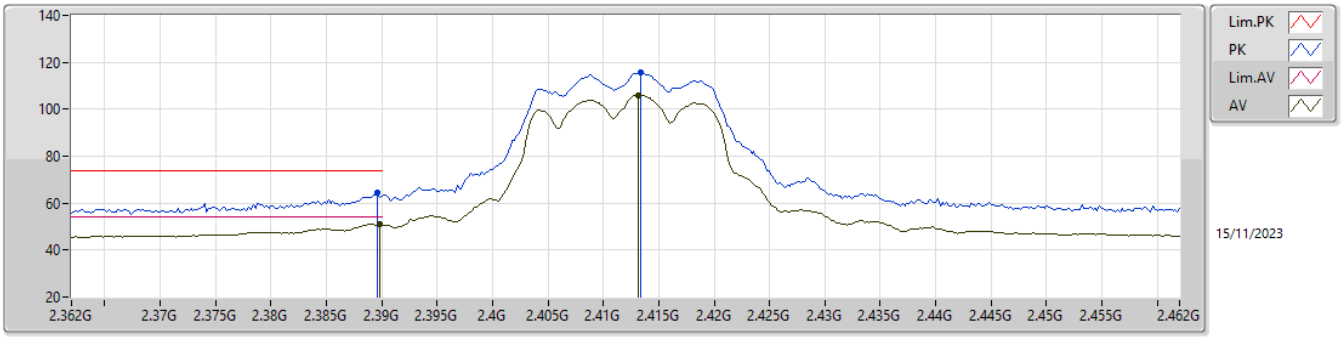


EUT Y_2TX
Setting 22
02-H-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	64.94	74.00	-9.06	32.78	3	Vertical	170	1.36	-	27.51	4.65	-
AV	2.3878G	51.95	54.00	-2.05	19.78	3	Vertical	170	1.36	-	27.52	4.65	-
PK	2.4112G	120.66	Inf	-Inf	88.30	3	Vertical	170	1.36	-	27.70	4.66	-
AV	2.411G	110.91	Inf	-Inf	78.55	3	Vertical	170	1.36	-	27.70	4.66	-

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

2412MHz_TX

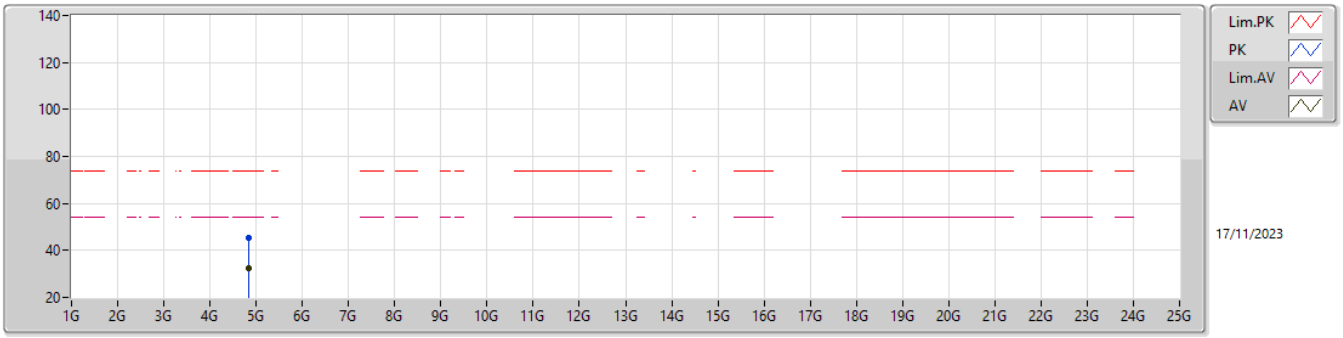


EUT Y_2TX
Setting 22
02-H-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	64.72	74.00	-9.28	32.57	3	Horizontal	10	1.80	-	27.50	4.65	-
AV	2.3898G	51.06	54.00	-2.94	18.90	3	Horizontal	10	1.80	-	27.50	4.66	-
PK	2.4134G	115.44	Inf	-Inf	83.08	3	Horizontal	10	1.80	-	27.70	4.66	-
AV	2.4132G	106.01	Inf	-Inf	73.65	3	Horizontal	10	1.80	-	27.70	4.66	-

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

2412MHz_TX

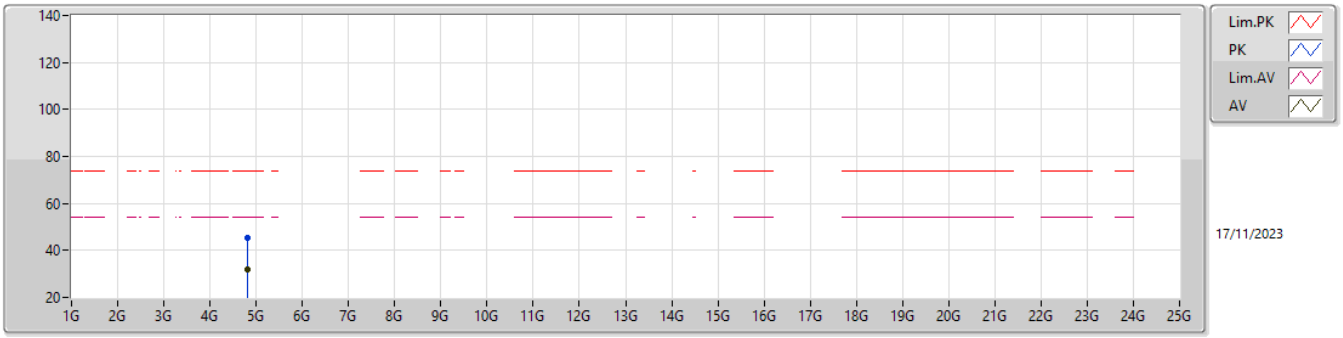


EUT Y_2TX
Setting 22
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.828G	45.24	74.00	-28.76	40.47	3	Vertical	10	1.80	-	32.36	5.68	33.27
AV	4.82572G	32.20	54.00	-21.80	27.45	3	Vertical	10	1.80	-	32.35	5.67	33.27

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

2412MHz_TX

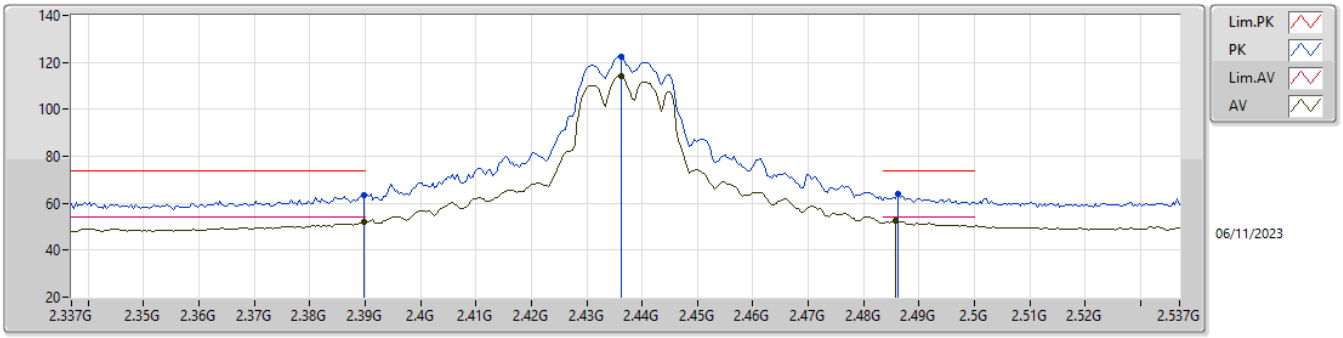


EUT Y_2TX
Setting 22
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82404G	45.51	74.00	-28.49	40.76	3	Horizontal	189	1.84	-	32.35	5.67	33.27
AV	4.82412G	31.92	54.00	-22.08	27.17	3	Horizontal	189	1.84	-	32.35	5.67	33.27

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

2437MHz_TX

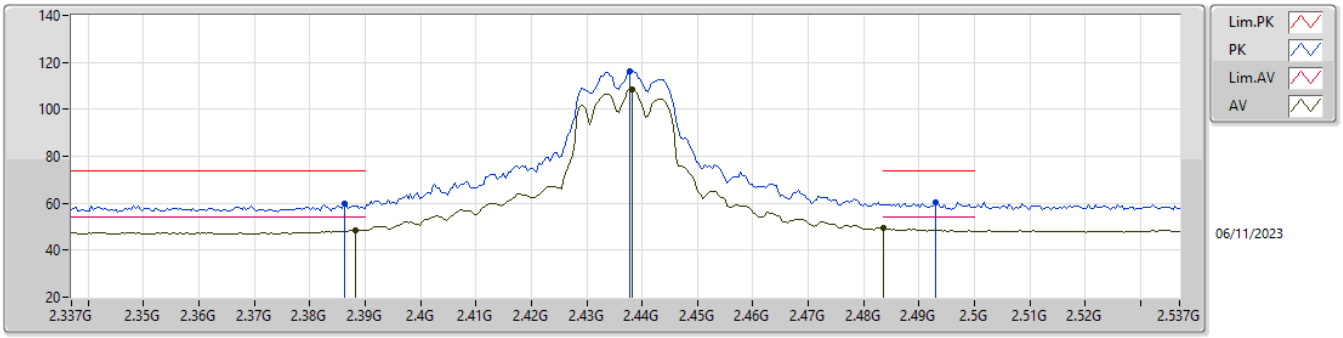


EUT Y_2TX
Setting 24
02-H-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	63.26	74.00	-10.74	31.30	3	Vertical	160	1.48	-	27.30	4.66	-
AV	2.3898G	52.26	54.00	-1.74	20.30	3	Vertical	160	1.48	-	27.30	4.66	-
PK	2.4362G	122.40	Inf	-Inf	90.26	3	Vertical	160	1.48	-	27.50	4.64	-
AV	2.4362G	114.20	Inf	-Inf	82.06	3	Vertical	160	1.48	-	27.50	4.64	-
PK	2.4862G	63.84	74.00	-10.16	31.54	3	Vertical	160	1.48	-	27.70	4.60	-
AV	2.4858G	52.75	54.00	-1.25	20.45	3	Vertical	160	1.48	-	27.70	4.60	-

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

2437MHz_TX

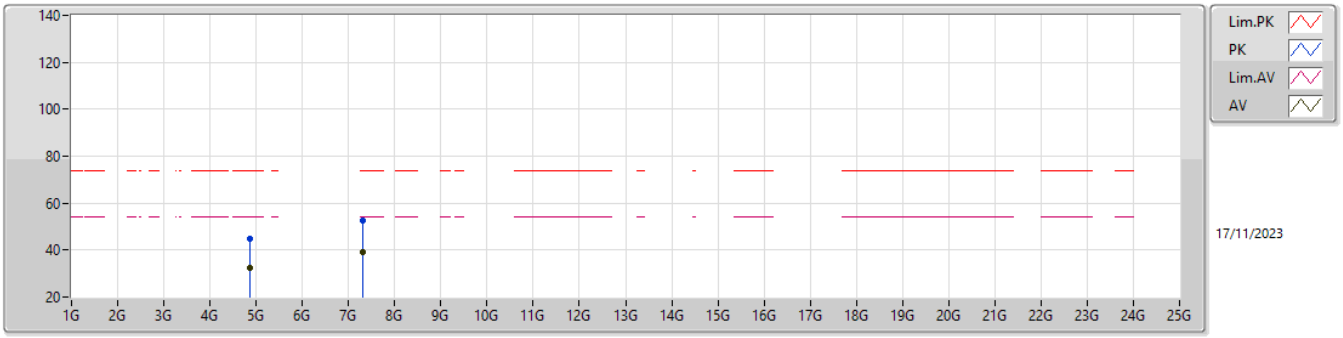


EUT Y_2TX
Setting 24
02-H-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3862G	59.68	74.00	-14.32	27.73	3	Horizontal	347	2.81	-	27.30	4.65	-
AV	2.3882G	48.50	54.00	-5.50	16.55	3	Horizontal	347	2.81	-	27.30	4.65	-
PK	2.4378G	116.42	Inf	-Inf	84.28	3	Horizontal	347	2.81	-	27.50	4.64	-
AV	2.4382G	108.32	Inf	-Inf	76.18	3	Horizontal	347	2.81	-	27.50	4.64	-
PK	2.493G	60.29	74.00	-13.71	27.97	3	Horizontal	347	2.81	-	27.73	4.59	-
AV	2.4835G	49.30	54.00	-4.70	17.00	3	Horizontal	347	2.81	-	27.70	4.60	-

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

2437MHz_TX

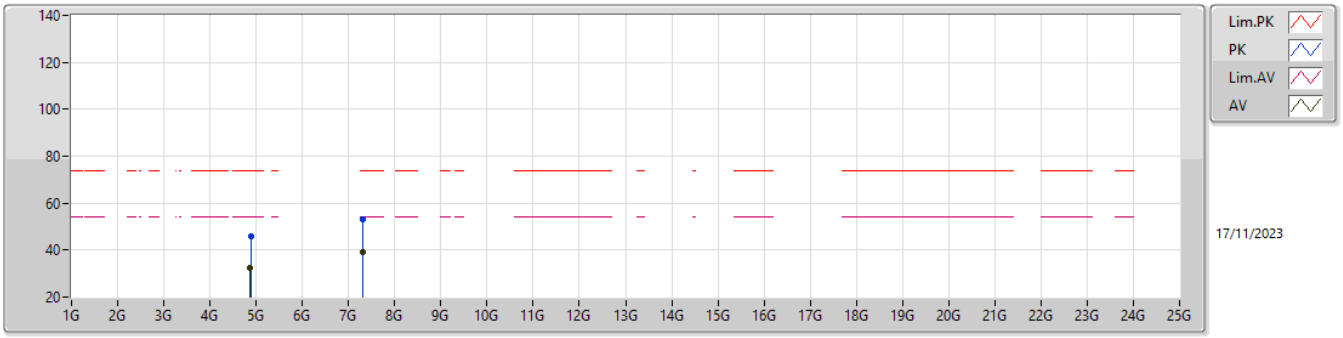


EUT Y_2TX
Setting 24
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86428G	44.99	74.00	-29.01	40.08	3	Vertical	50	2.19	-	32.46	5.71	33.26
AV	4.86964G	32.26	54.00	-21.74	27.33	3	Vertical	50	2.19	-	32.48	5.71	33.26
PK	7.304764G	52.46	74.00	-21.54	42.23	3	Vertical	22	2.04	-	37.20	7.12	34.09
AV	7.30352G	39.13	54.00	-14.87	28.90	3	Vertical	22	2.04	-	37.20	7.12	34.09

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

2437MHz_TX

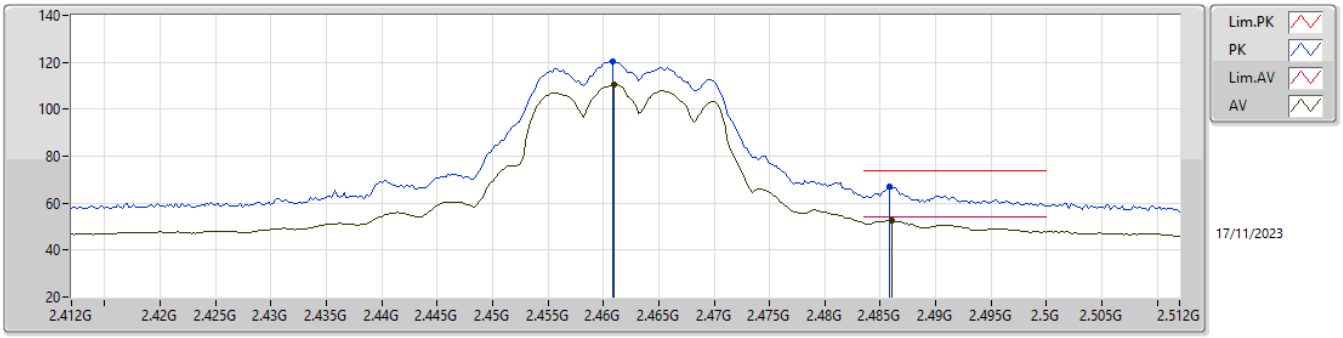


EUT Y_2TX
Setting 24
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.88268G	45.73	74.00	-28.27	40.73	3	Horizontal	157	1.80	-	32.53	5.72	33.25
AV	4.8656G	32.46	54.00	-21.54	27.55	3	Horizontal	157	1.80	-	32.46	5.71	33.26
PK	7.3122G	53.24	74.00	-20.76	43.01	3	Horizontal	157	1.80	-	37.20	7.12	34.09
AV	7.30168G	39.19	54.00	-14.81	28.96	3	Horizontal	157	1.80	-	37.20	7.12	34.09

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

2462MHz_TX

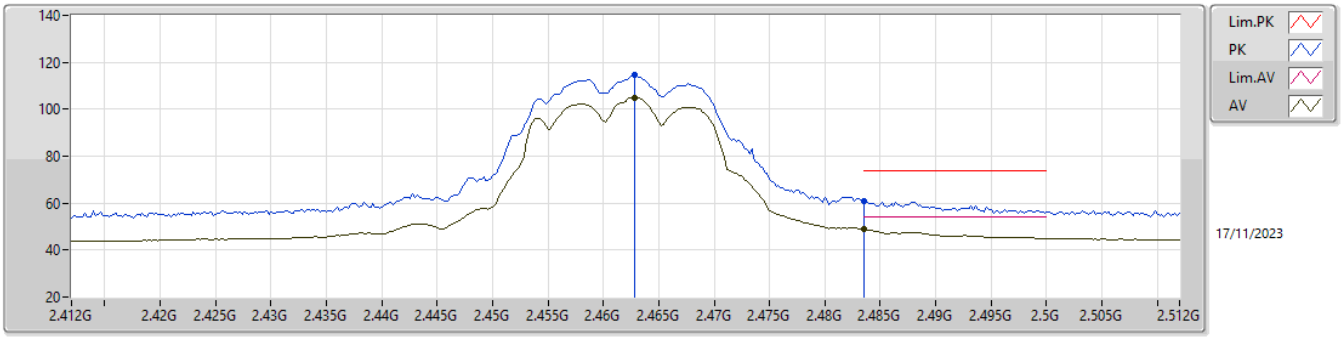


EUT Y_2TX
Setting 21.5
04-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4608G	120.53	Inf	-Inf	89.55	3	Vertical	169	1.56	-	27.60	3.38	-
AV	2.461G	110.43	Inf	-Inf	79.45	3	Vertical	169	1.56	-	27.60	3.38	-
PK	2.4858G	66.92	74.00	-7.08	35.86	3	Vertical	169	1.56	-	27.66	3.40	-
AV	2.486G	52.54	54.00	-1.46	21.48	3	Vertical	169	1.56	-	27.66	3.40	-

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

2462MHz_TX

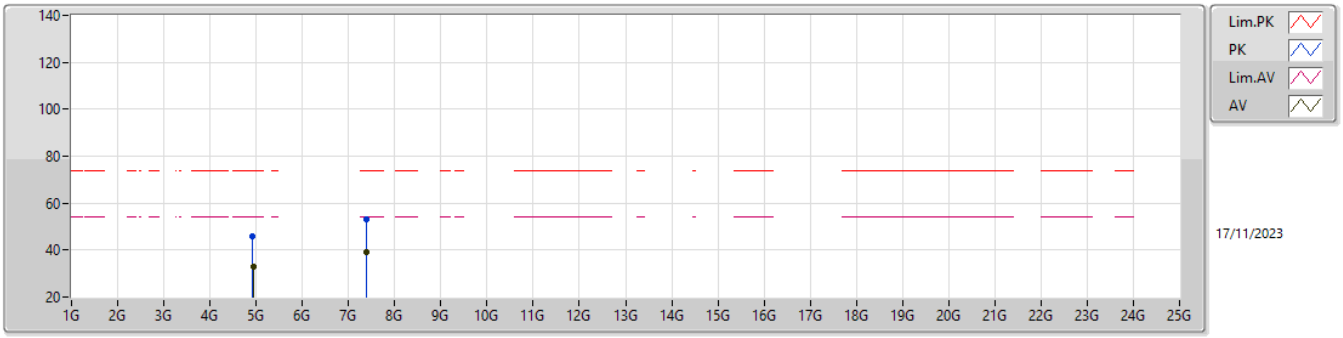


EUT Y_2TX
Setting 21.5
04-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4628G	114.42	Inf	-Inf	83.44	3	Horizontal	10	2.89	-	27.60	3.38	-
AV	2.4628G	105.00	Inf	-Inf	74.02	3	Horizontal	10	2.89	-	27.60	3.38	-
PK	2.4835G	60.63	74.00	-13.37	29.59	3	Horizontal	10	2.89	-	27.64	3.40	-
AV	2.4835G	48.97	54.00	-5.03	17.93	3	Horizontal	10	2.89	-	27.64	3.40	-

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

2462MHz_TX

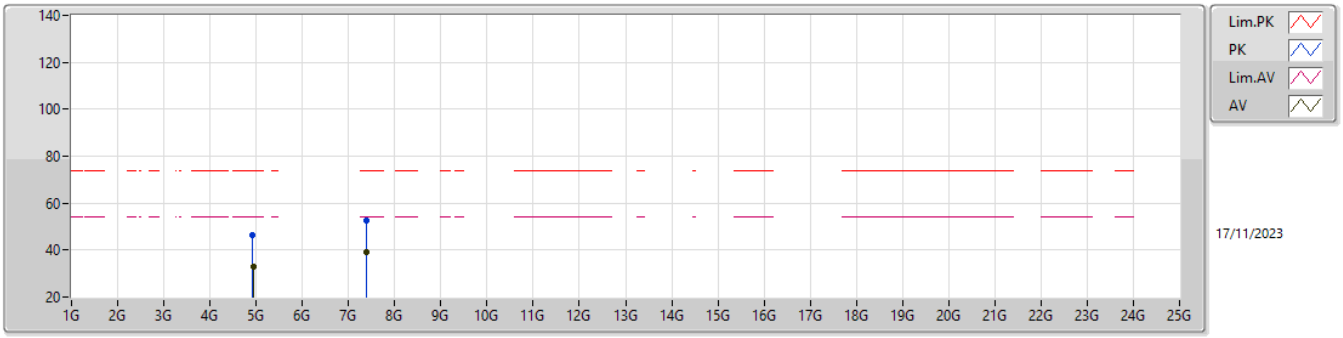


EUT Y_2TX
Setting 21.5
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9192G	46.01	74.00	-27.99	40.85	3	Vertical	52	1.17	-	32.64	5.76	33.24
AV	4.9326G	32.88	54.00	-21.12	27.67	3	Vertical	52	1.17	-	32.67	5.77	33.23
PK	7.38136G	52.85	74.00	-21.15	42.61	3	Vertical	264	2.95	-	37.20	7.16	34.12
AV	7.37652G	39.25	54.00	-14.75	29.01	3	Vertical	264	2.95	-	37.20	7.16	34.12

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

2462MHz_TX

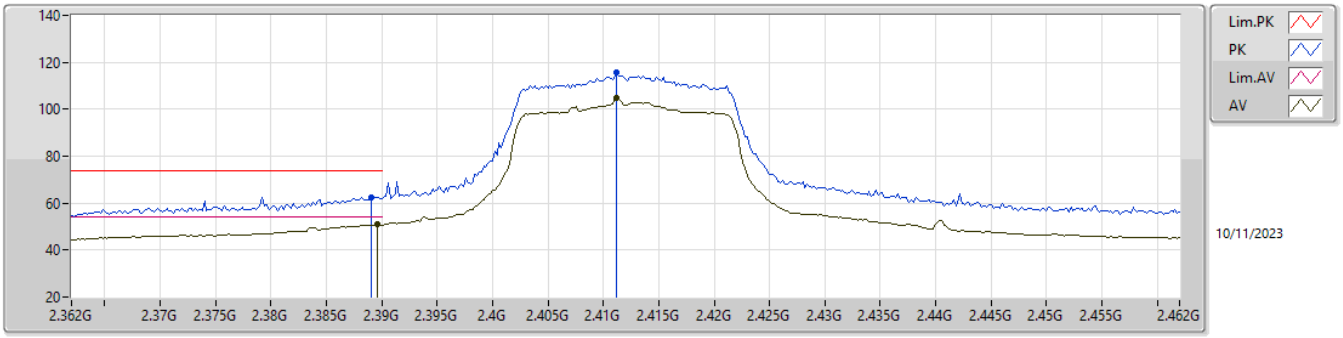


EUT Y_2TX
Setting 21.5
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91556G	46.28	74.00	-27.72	41.14	3	Horizontal	293	1.99	-	32.63	5.75	33.24
AV	4.93248G	32.73	54.00	-21.27	27.53	3	Horizontal	293	1.99	-	32.66	5.77	33.23
PK	7.3946G	52.73	74.00	-21.27	42.49	3	Horizontal	31	1.76	-	37.20	7.17	34.13
AV	7.37952G	39.27	54.00	-14.73	29.03	3	Horizontal	31	1.76	-	37.20	7.16	34.12

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

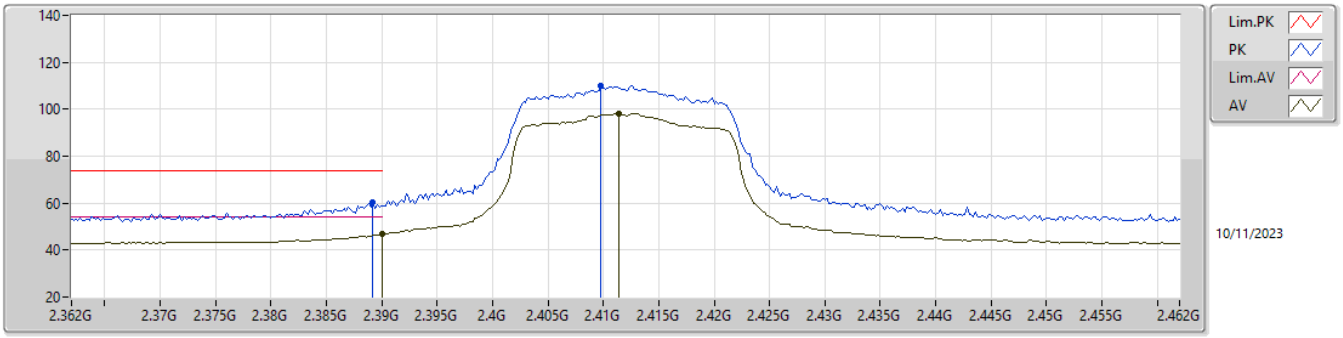


EUT Y_2TX
Setting 25
04-F-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	62.67	74.00	-11.33	32.35	3	Vertical	167	1.80	-	27.40	2.92	-
AV	2.3896G	50.82	54.00	-3.18	20.50	3	Vertical	167	1.80	-	27.40	2.92	-
PK	2.4112G	115.58	Inf	-Inf	85.16	3	Vertical	167	1.80	-	27.50	2.92	-
AV	2.4112G	104.76	Inf	-Inf	74.34	3	Vertical	167	1.80	-	27.50	2.92	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

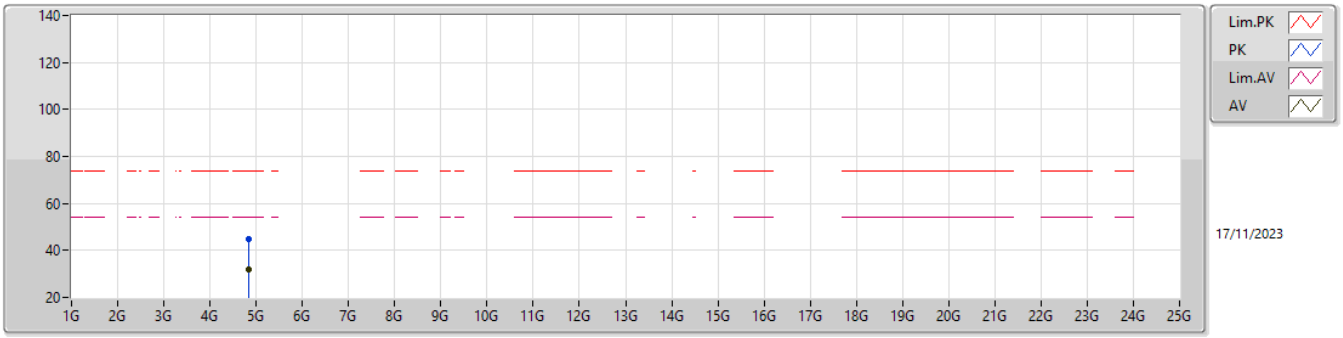


EUT Y_2TX
Setting 25
04-F-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	60.10	74.00	-13.90	29.78	3	Horizontal	197.2	1.76	-	27.40	2.92	-
AV	2.39G	46.67	54.00	-7.33	16.35	3	Horizontal	197.2	1.76	-	27.40	2.92	-
PK	2.4098G	110.01	Inf	-Inf	79.59	3	Horizontal	197.2	1.76	-	27.50	2.92	-
AV	2.4114G	98.25	Inf	-Inf	67.83	3	Horizontal	197.2	1.76	-	27.50	2.92	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

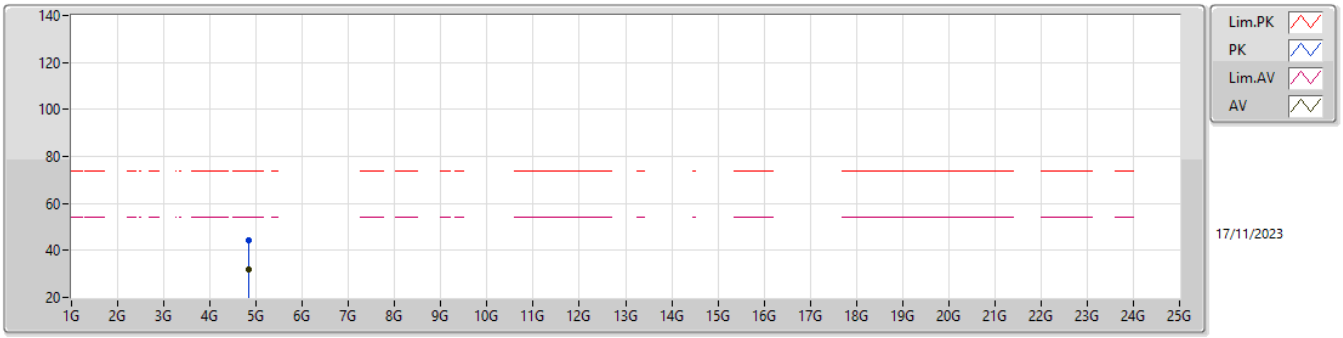


EUT Y_2TX
Setting 25
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82656G	44.97	74.00	-29.03	40.22	3	Vertical	141	2.17	-	32.35	5.67	33.27
AV	4.82536G	31.98	54.00	-22.02	27.23	3	Vertical	141	2.17	-	32.35	5.67	33.27

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

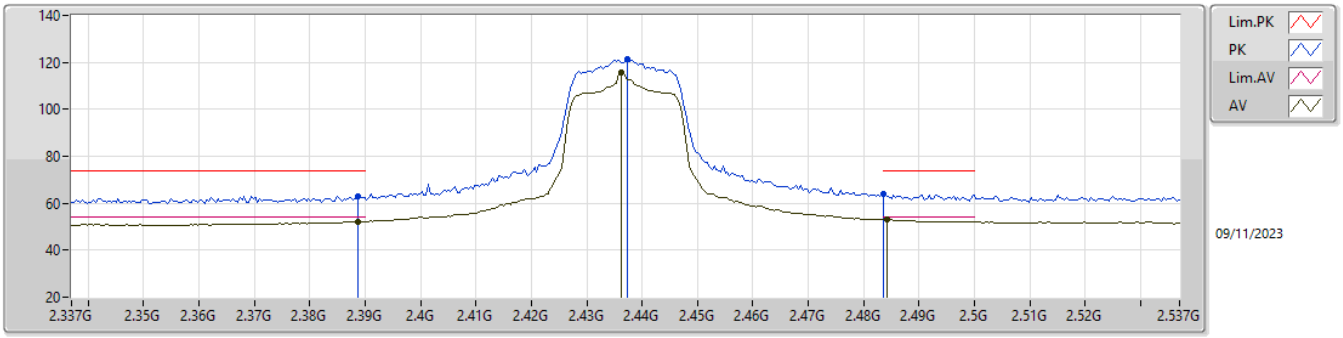


EUT Y_2TX
Setting 25
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83348G	44.41	74.00	-29.59	39.63	3	Horizontal	209	2.52	-	32.37	5.68	33.27
AV	4.82596G	31.98	54.00	-22.02	27.23	3	Horizontal	209	2.52	-	32.35	5.67	33.27

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

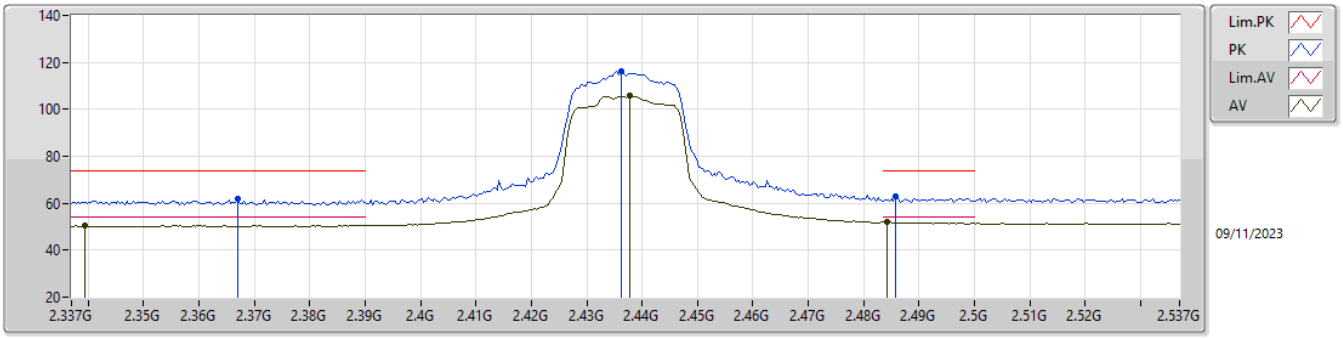


EUT Y_2TX
Setting 26
03-G-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	62.98	74.00	-11.02	31.21	3	Vertical	183	1.50	-	28.20	3.57	-
AV	2.3886G	52.24	54.00	-1.76	20.47	3	Vertical	183	1.50	-	28.20	3.57	-
PK	2.4374G	121.30	Inf	-Inf	89.49	3	Vertical	183	1.50	-	28.20	3.61	-
AV	2.4362G	115.81	Inf	-Inf	84.00	3	Vertical	183	1.50	-	28.20	3.61	-
PK	2.4835G	63.72	74.00	-10.28	31.68	3	Vertical	183	1.50	-	28.40	3.64	-
AV	2.4842G	52.89	54.00	-1.11	20.84	3	Vertical	183	1.50	-	28.41	3.64	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

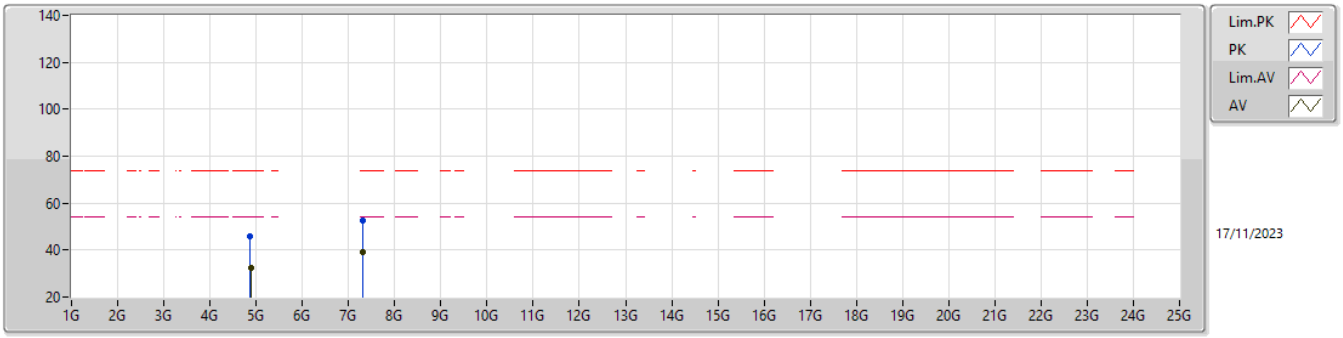


EUT Y_2TX
Setting 26
03-G-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.367G	61.73	74.00	-12.27	29.97	3	Horizontal	352	3.00	-	28.20	3.56	-
AV	2.3394G	50.38	54.00	-3.62	18.71	3	Horizontal	352	3.00	-	28.14	3.53	-
PK	2.4362G	116.22	Inf	-Inf	84.41	3	Horizontal	352	3.00	-	28.20	3.61	-
AV	2.4378G	105.62	Inf	-Inf	73.81	3	Horizontal	352	3.00	-	28.20	3.61	-
PK	2.4858G	62.99	74.00	-11.01	30.94	3	Horizontal	352	3.00	-	28.41	3.64	-
AV	2.4842G	51.95	54.00	-2.05	19.90	3	Horizontal	352	3.00	-	28.41	3.64	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

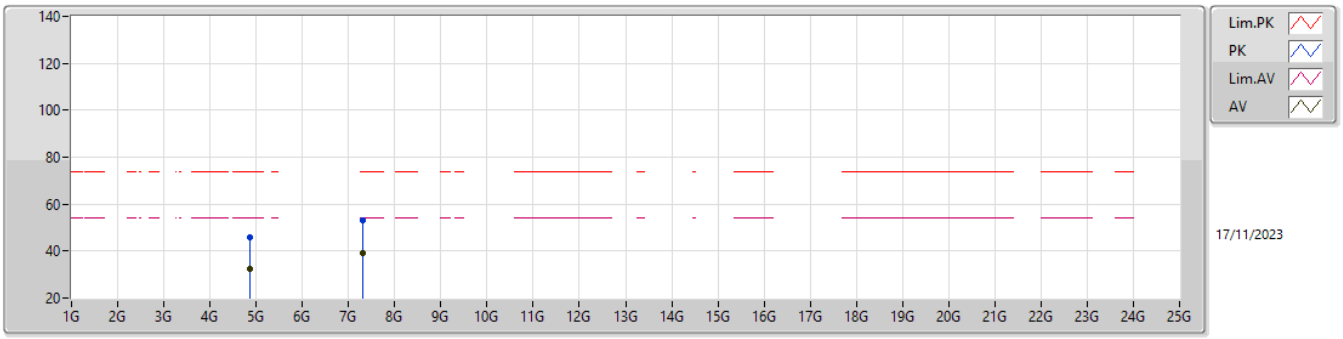


EUT Y_2TX
Setting 26
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87728G	46.00	74.00	-28.00	41.02	3	Vertical	21	1.61	-	32.51	5.72	33.25
AV	4.87908G	32.42	54.00	-21.58	27.43	3	Vertical	21	1.61	-	32.52	5.72	33.25
PK	7.30884G	52.55	74.00	-21.45	42.32	3	Vertical	184	2.20	-	37.20	7.12	34.09
AV	7.30212G	39.24	54.00	-14.76	29.01	3	Vertical	184	2.20	-	37.20	7.12	34.09

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

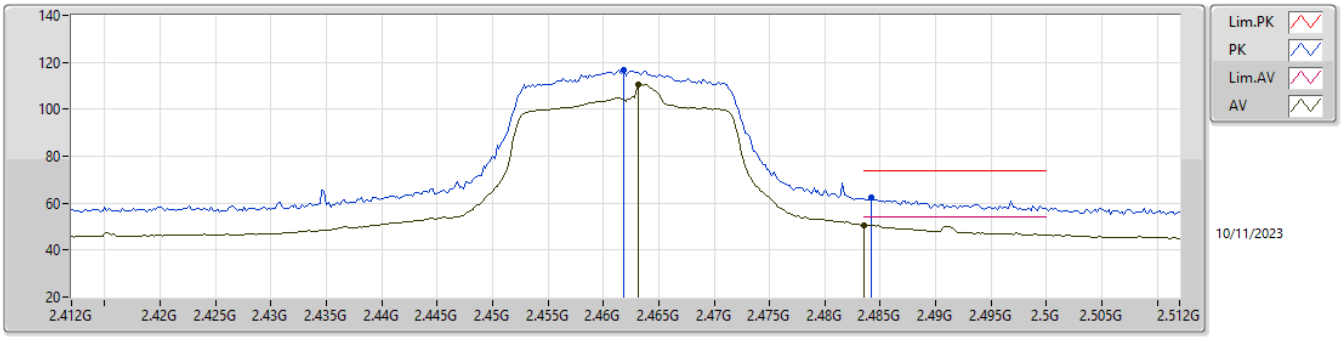


EUT Y_2TX
Setting 26
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86444G	45.93	74.00	-28.07	41.02	3	Horizontal	280	1.02	-	32.46	5.71	33.26
AV	4.86572G	32.66	54.00	-21.34	27.75	3	Horizontal	280	1.02	-	32.46	5.71	33.26
PK	7.30324G	53.35	74.00	-20.65	43.12	3	Horizontal	360	1.14	-	37.20	7.12	34.09
AV	7.30192G	39.30	54.00	-14.70	29.07	3	Horizontal	360	1.14	-	37.20	7.12	34.09

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

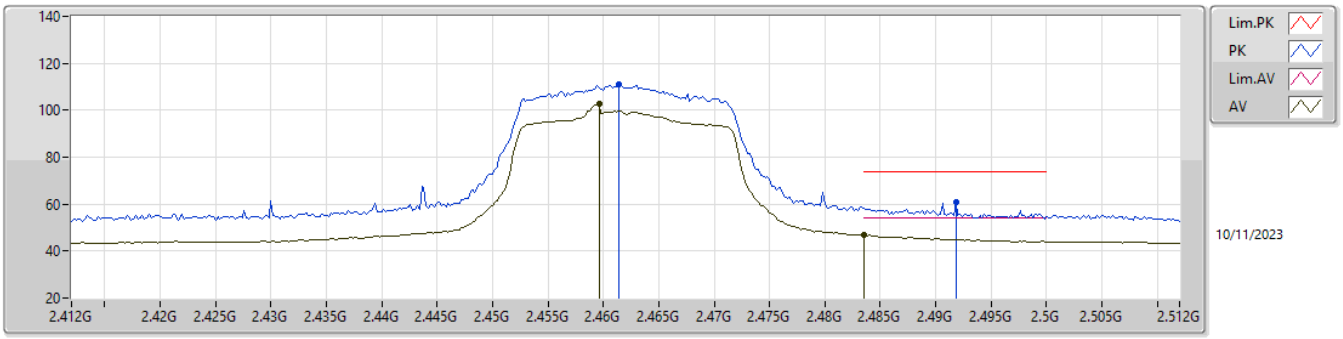


EUT Y_2TX
Setting 25
04-F-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4618G	116.56	Inf	-Inf	86.05	3	Vertical	171.3	1.32	-	27.60	2.91	-
AV	2.4632G	110.30	Inf	-Inf	79.79	3	Vertical	171.3	1.32	-	27.60	2.91	-
PK	2.4842G	62.18	74.00	-11.82	31.64	3	Vertical	171.3	1.32	-	27.64	2.90	-
AV	2.4835G	50.77	54.00	-3.23	20.23	3	Vertical	171.3	1.32	-	27.64	2.90	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

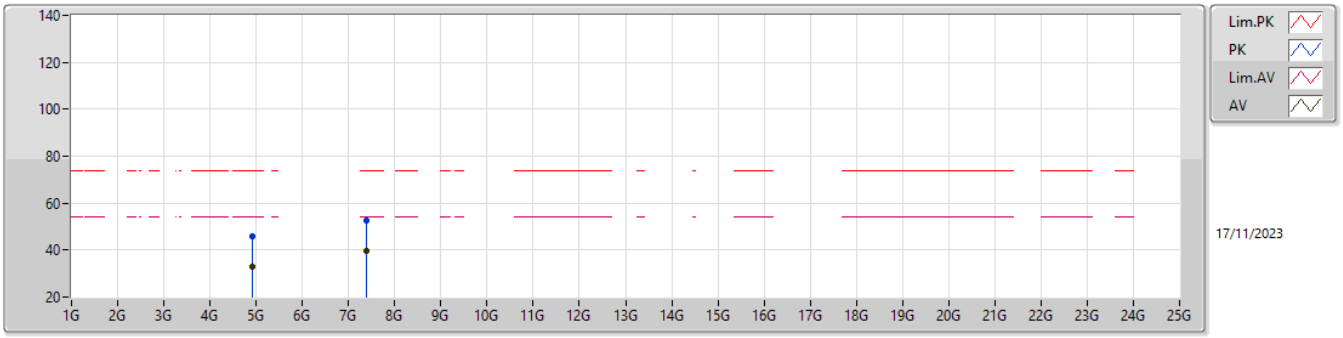


EUT Y_2TX
Setting 25
04-F-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4614G	111.07	Inf	-Inf	80.56	3	Horizontal	359.1	2.51	-	27.60	2.91	-
AV	2.4596G	102.57	Inf	-Inf	72.06	3	Horizontal	359.1	2.51	-	27.60	2.91	-
PK	2.4918G	60.70	74.00	-13.30	30.10	3	Horizontal	359.1	2.51	-	27.70	2.90	-
AV	2.4835G	46.90	54.00	-7.10	16.36	3	Horizontal	359.1	2.51	-	27.64	2.90	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

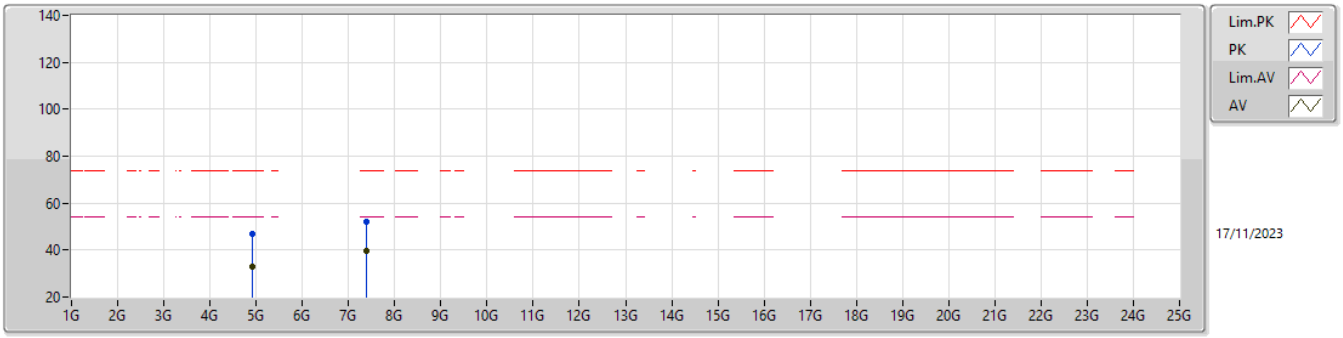


EUT Y_2TX
Setting 25
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91752G	45.85	74.00	-28.15	40.69	3	Vertical	170	1.92	-	32.64	5.76	33.24
AV	4.9192G	32.96	54.00	-21.04	27.80	3	Vertical	170	1.92	-	32.64	5.76	33.24
PK	7.38268G	52.40	74.00	-21.60	42.16	3	Vertical	262	1.86	-	37.20	7.16	34.12
AV	7.37952G	39.44	54.00	-14.56	29.20	3	Vertical	262	1.86	-	37.20	7.16	34.12

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

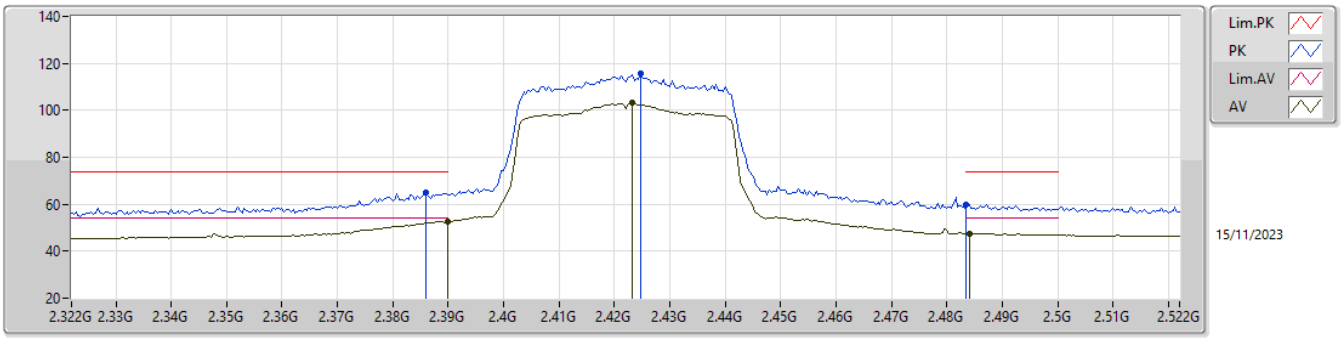


EUT Y_2TX
Setting 25
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92536G	46.71	74.00	-27.29	41.54	3	Horizontal	159	1.27	-	32.65	5.76	33.24
AV	4.91984G	32.94	54.00	-21.06	27.78	3	Horizontal	159	1.27	-	32.64	5.76	33.24
PK	7.3824G	52.31	74.00	-21.69	42.07	3	Horizontal	13	2.20	-	37.20	7.16	34.12
AV	7.38052G	39.43	54.00	-14.57	29.19	3	Horizontal	13	2.20	-	37.20	7.16	34.12

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

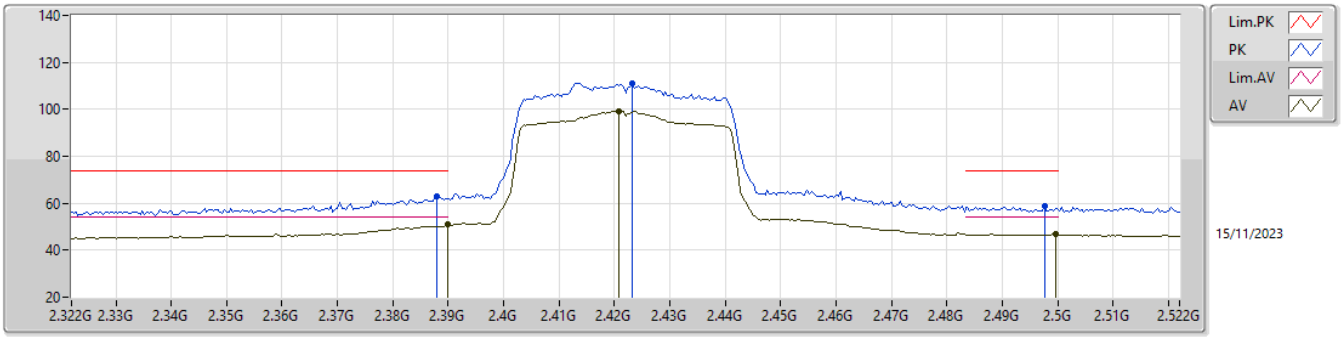


EUT Y_2TX
Setting 24
01-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.386G	65.11	74.00	-8.89	32.92	3	Vertical	356	1.80	-	27.54	4.65	-
AV	2.39G	52.79	54.00	-1.21	20.63	3	Vertical	356	1.80	-	27.50	4.66	-
PK	2.4248G	115.74	Inf	-Inf	83.44	3	Vertical	356	1.80	-	27.65	4.65	-
AV	2.4232G	103.19	Inf	-Inf	70.87	3	Vertical	356	1.80	-	27.67	4.65	-
PK	2.4835G	60.04	74.00	-13.96	27.60	3	Vertical	356	1.80	-	27.84	4.60	-
AV	2.484G	47.67	54.00	-6.33	15.23	3	Vertical	356	1.80	-	27.84	4.60	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

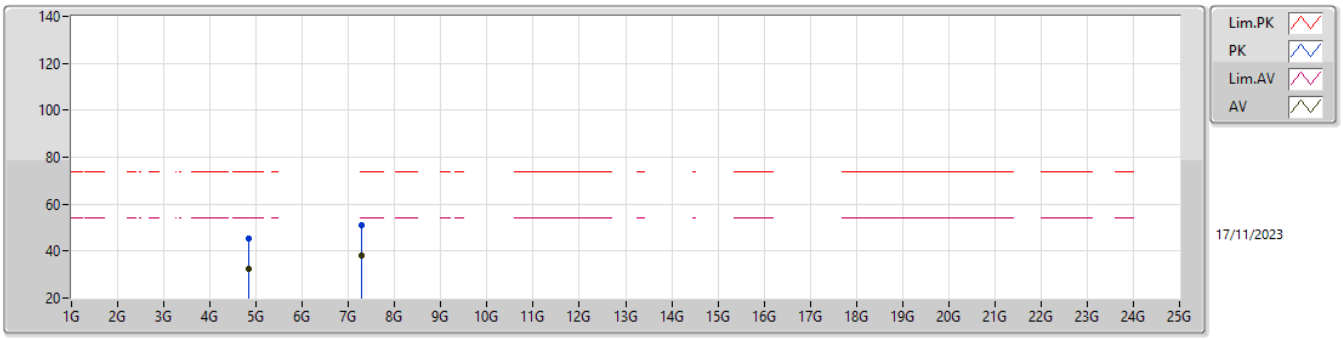


EUT Y_2TX
Setting 24
01-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.39G	50.88	54.00	-3.12	18.72	3	Horizontal	11	1.80	-	27.50	4.66	-
PK	2.388G	62.70	74.00	-11.30	30.53	3	Horizontal	11	1.80	-	27.52	4.65	-
AV	2.4208G	99.18	Inf	-Inf	66.84	3	Horizontal	11	1.80	-	27.69	4.65	-
PK	2.4232G	111.22	Inf	-Inf	78.90	3	Horizontal	11	1.80	-	27.67	4.65	-
AV	2.4996G	46.74	54.00	-7.26	14.15	3	Horizontal	11	1.80	-	28.00	4.59	-
PK	2.4976G	58.98	74.00	-15.02	26.41	3	Horizontal	11	1.80	-	27.98	4.59	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

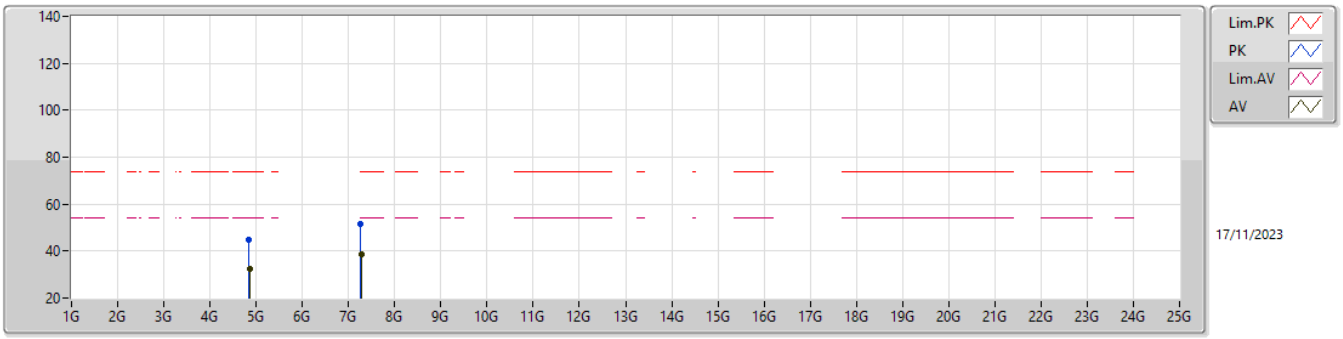


EUT Y_2TX
Setting 24
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.84192G	45.47	74.00	-28.53	40.67	3	Vertical	100	2.07	-	32.38	5.69	33.27
AV	4.85036G	32.33	54.00	-21.67	27.49	3	Vertical	100	2.07	-	32.40	5.70	33.26
PK	7.27508G	50.88	74.00	-23.12	40.76	3	Vertical	311	1.78	-	37.10	7.10	34.08
AV	7.27588G	38.22	54.00	-15.78	28.10	3	Vertical	311	1.78	-	37.10	7.10	34.08

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

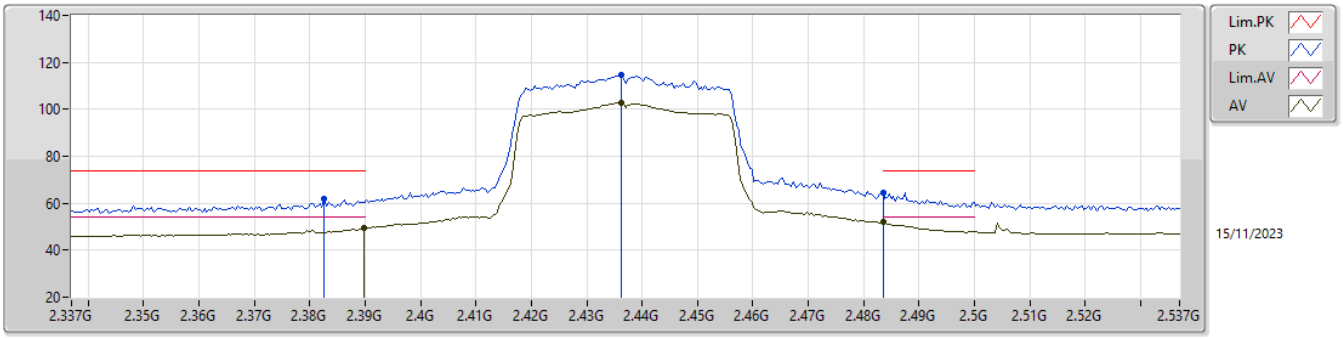


EUT Y_2TX
Setting 24
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83732G	44.82	74.00	-29.18	40.04	3	Horizontal	284	2.57	-	32.37	5.68	33.27
AV	4.85284G	32.37	54.00	-21.63	27.52	3	Horizontal	284	2.57	-	32.41	5.70	33.26
PK	7.25688G	51.78	74.00	-22.22	41.73	3	Horizontal	179	2.16	-	37.03	7.09	34.07
AV	7.27576G	38.59	54.00	-15.41	28.47	3	Horizontal	179	2.16	-	37.10	7.10	34.08

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

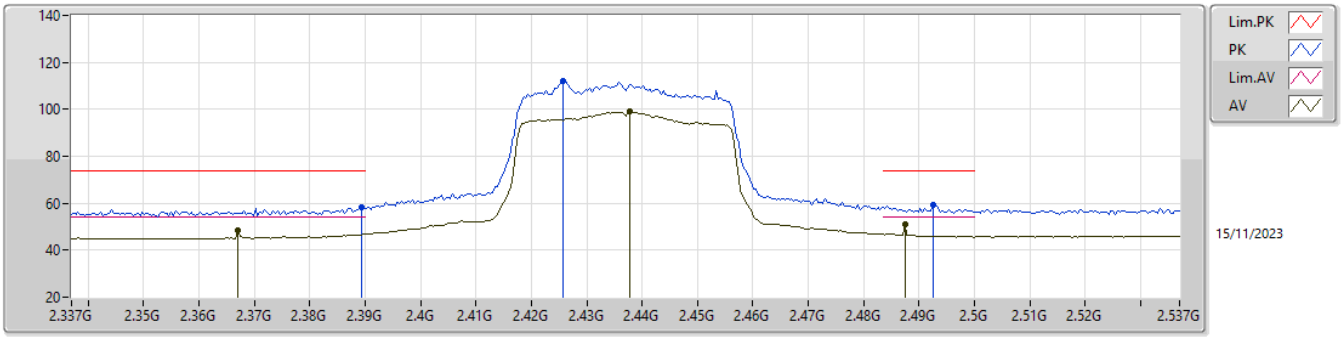


EUT Y_2TX
Setting 24
01-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3826G	61.96	74.00	-12.04	29.75	3	Vertical	171	1.04	-	27.57	4.64	-
AV	2.3898G	49.24	54.00	-4.76	17.08	3	Vertical	171	1.04	-	27.50	4.66	-
PK	2.4362G	114.57	Inf	-Inf	82.27	3	Vertical	171	1.04	-	27.66	4.64	-
AV	2.4362G	102.98	Inf	-Inf	70.68	3	Vertical	171	1.04	-	27.66	4.64	-
PK	2.4835G	64.53	74.00	-9.47	32.09	3	Vertical	171	1.04	-	27.84	4.60	-
AV	2.4835G	51.92	54.00	-2.08	19.48	3	Vertical	171	1.04	-	27.84	4.60	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

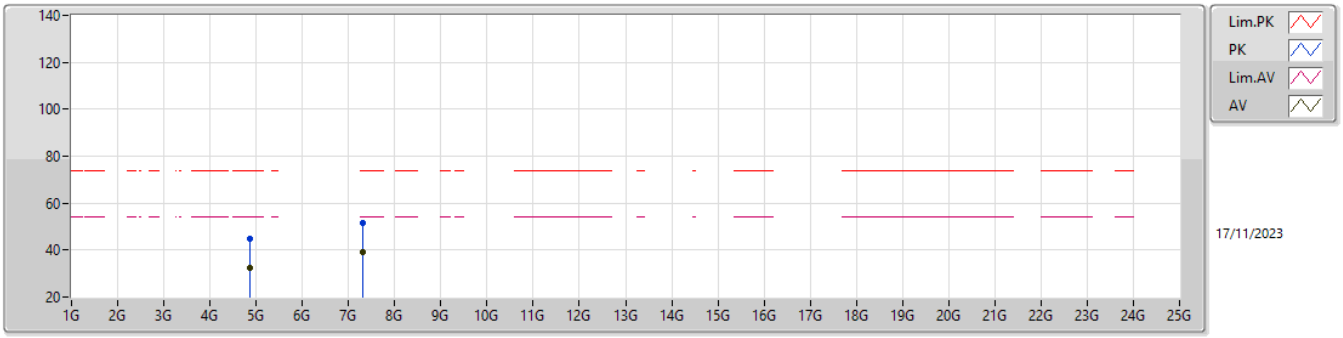


EUT Y_2TX
Setting 24
01-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	58.52	74.00	-15.48	26.36	3	Horizontal	3	3.00	-	27.51	4.65	-
AV	2.367G	48.33	54.00	-5.67	16.27	3	Horizontal	3	3.00	-	27.44	4.62	-
PK	2.4258G	111.87	Inf	-Inf	79.58	3	Horizontal	3	3.00	-	27.64	4.65	-
AV	2.4378G	98.94	Inf	-Inf	66.62	3	Horizontal	3	3.00	-	27.68	4.64	-
AV	2.4874G	51.27	54.00	-2.73	18.80	3	Horizontal	3	3.00	-	27.87	4.60	-
PK	2.4926G	59.06	74.00	-14.94	26.54	3	Horizontal	3	3.00	-	27.93	4.59	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

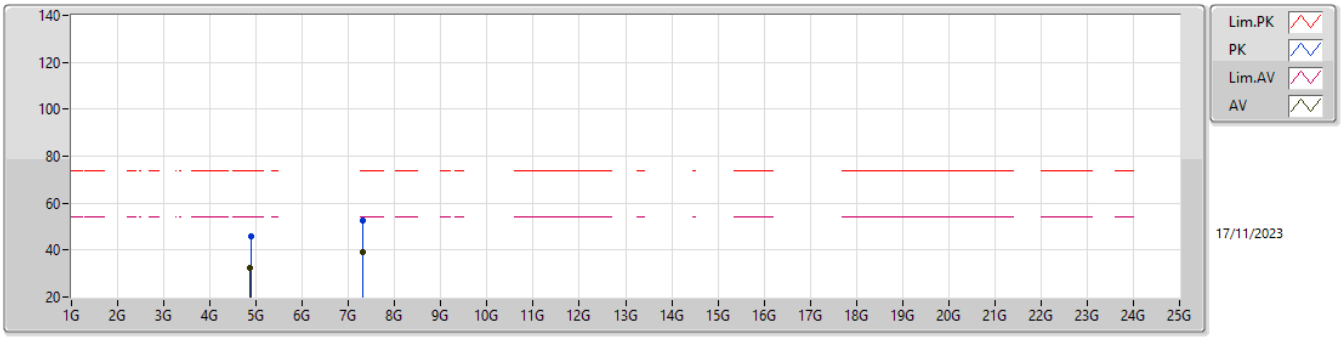


EUT Y_2TX
Setting 24
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8686G	44.97	74.00	-29.03	40.05	3	Vertical	346	1.80	-	32.47	5.71	33.26
AV	4.87684G	32.40	54.00	-21.60	27.42	3	Vertical	346	1.80	-	32.51	5.72	33.25
PK	7.314764G	51.54	74.00	-22.46	41.32	3	Vertical	259	2.75	-	37.20	7.12	34.10
AV	7.30244G	39.15	54.00	-14.85	28.92	3	Vertical	259	2.75	-	37.20	7.12	34.09

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

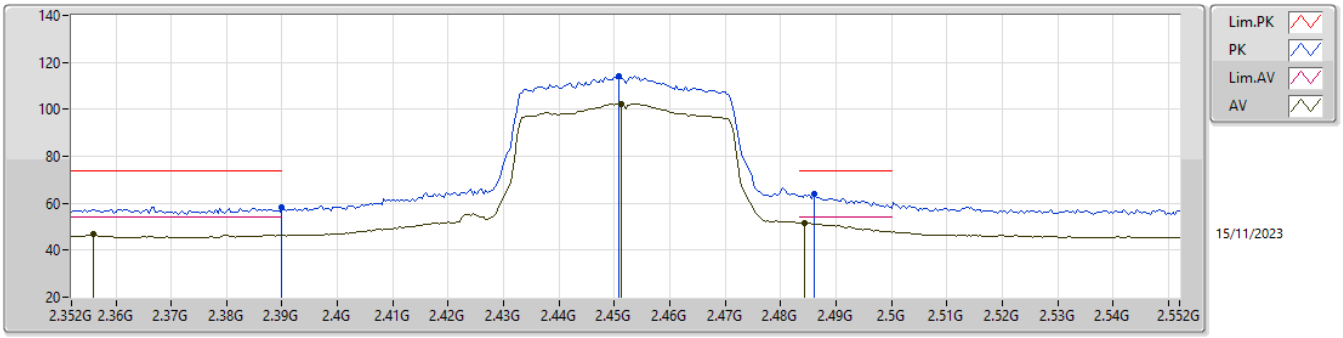


EUT Y_2TX
Setting 24
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87784G	45.98	74.00	-28.02	41.00	3	Horizontal	143	2.75	-	32.51	5.72	33.25
AV	4.8694G	32.30	54.00	-21.70	27.37	3	Horizontal	143	2.75	-	32.48	5.71	33.26
PK	7.3014G	52.34	74.00	-21.66	42.11	3	Horizontal	66	1.77	-	37.20	7.12	34.09
AV	7.3094G	39.21	54.00	-14.79	28.98	3	Horizontal	66	1.77	-	37.20	7.12	34.09

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

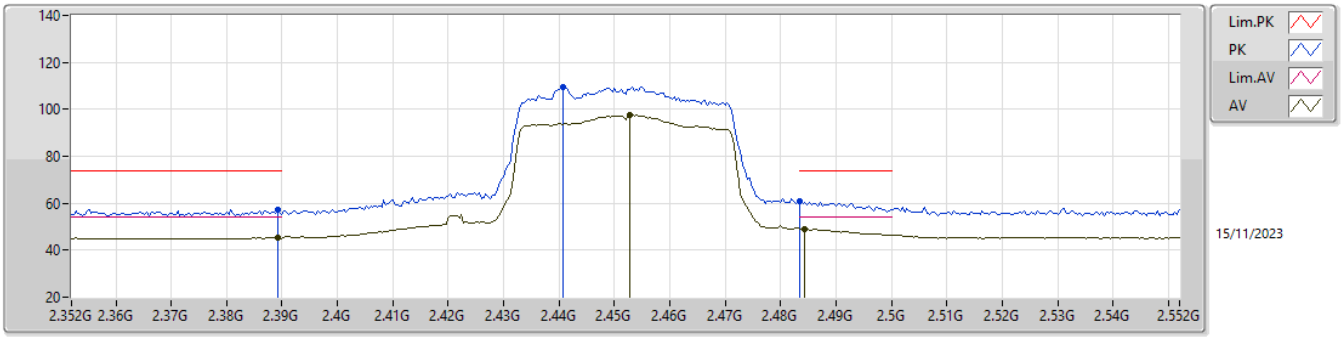


EUT Y_2TX
Setting 23
03-G-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
AV	2.356G	46.86	54.00	-7.14	15.11	3	Vertical	149	1.88	-	28.20	3.55	-
PK	2.39G	58.52	74.00	-15.48	26.75	3	Vertical	149	1.88	-	28.20	3.57	-
PK	2.4508G	114.00	Inf	-Inf	82.18	3	Vertical	149	1.88	-	28.20	3.62	-
AV	2.4512G	102.31	Inf	-Inf	70.48	3	Vertical	149	1.88	-	28.21	3.62	-
PK	2.486G	63.71	74.00	-10.29	31.65	3	Vertical	149	1.88	-	28.42	3.64	-
AV	2.4844G	51.63	54.00	-2.37	19.58	3	Vertical	149	1.88	-	28.41	3.64	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

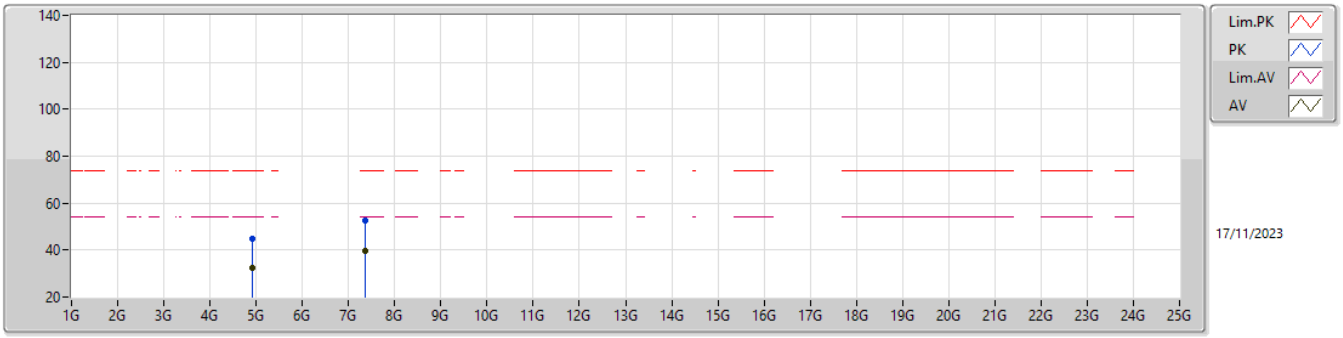


EUT Y_2TX
Setting 23
03-G-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	57.47	74.00	-16.53	25.70	3	Horizontal	357	1.80	-	28.20	3.57	-
AV	2.3892G	45.31	54.00	-8.69	13.54	3	Horizontal	357	1.80	-	28.20	3.57	-
PK	2.4408G	109.64	Inf	-Inf	77.83	3	Horizontal	357	1.80	-	28.20	3.61	-
AV	2.4528G	97.65	Inf	-Inf	65.81	3	Horizontal	357	1.80	-	28.22	3.62	-
PK	2.4835G	60.95	74.00	-13.05	28.91	3	Horizontal	357	1.80	-	28.40	3.64	-
AV	2.4844G	49.17	54.00	-4.83	17.12	3	Horizontal	357	1.80	-	28.41	3.64	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

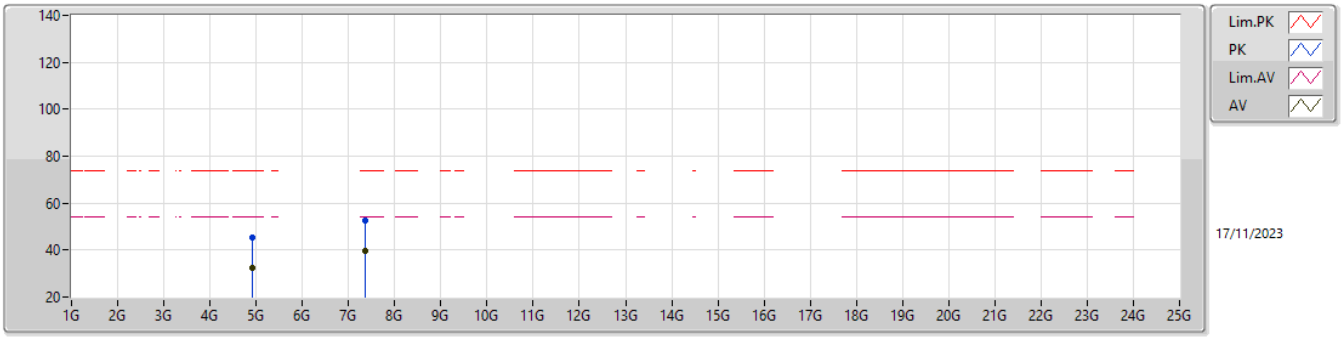


EUT Y_2TX
Setting 23
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91316G	44.94	74.00	-29.06	39.80	3	Vertical	182	1.79	-	32.63	5.75	33.24
AV	4.90844G	32.65	54.00	-21.35	27.52	3	Vertical	182	1.79	-	32.62	5.75	33.24
PK	7.36408G	52.65	74.00	-21.35	42.42	3	Vertical	50	2.25	-	37.20	7.15	34.12
AV	7.35552G	39.66	54.00	-14.34	29.42	3	Vertical	50	2.25	-	37.20	7.15	34.11

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz_TX



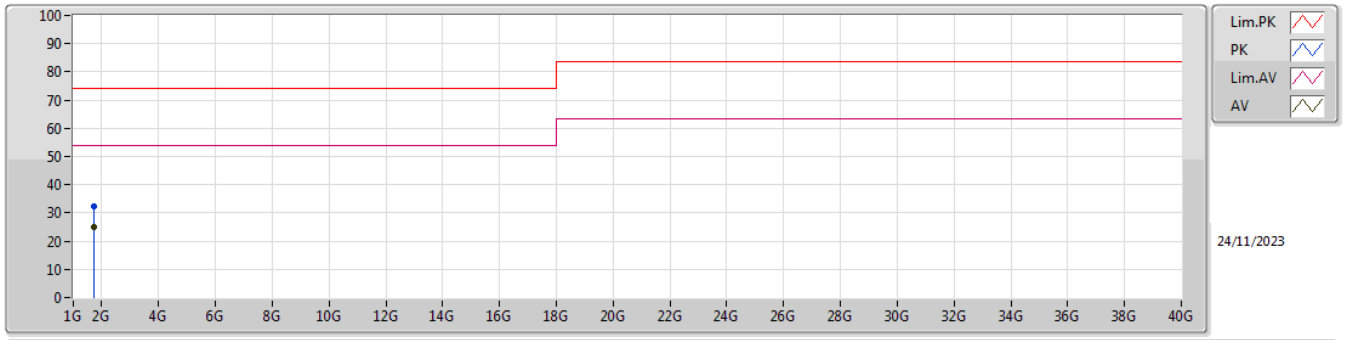
EUT Y_2TX
Setting 23
04-F-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9128G	45.37	74.00	-28.63	40.23	3	Horizontal	97	1.66	-	32.63	5.75	33.24
AV	4.90856G	32.65	54.00	-21.35	27.52	3	Horizontal	97	1.66	-	32.62	5.75	33.24
PK	7.35532G	52.58	74.00	-21.42	42.34	3	Horizontal	344	1.32	-	37.20	7.15	34.11
AV	7.3552G	39.80	54.00	-14.20	29.56	3	Horizontal	344	1.32	-	37.20	7.15	34.11

Summary

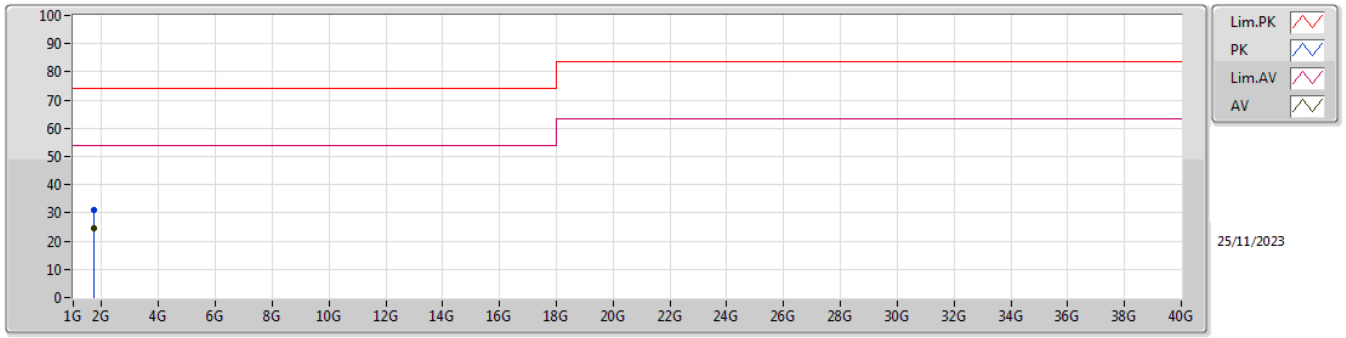
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.705G	25.09	54.00	-28.91	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.71372G	32.44	74.00	-41.56	-3.17	3	Vertical	112	1.80	-	35.61	26.57	3.11	32.85
AV	1.705G	25.09	54.00	-28.91	-3.36	3	Vertical	112	1.80	"Worst"	28.45	26.40	3.10	32.86

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.72046G	30.85	74.00	-43.15	-3.03	3	Horizontal	157	1.82	-	33.88	26.70	3.11	32.84
AV	1.71114G	24.40	54.00	-29.60	-3.23	3	Horizontal	157	1.82	"Worst"	27.63	26.52	3.11	32.86