Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	N89-EWW631C1V1
Equipment	:	AX3000 Wireless Dual Band Wall Mount Access Point
Brand Name	:	SonicFi, CyberTAN
Model Name	:	EWW631-C1, RAP630W-211G, CAP630W-211G
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. 09, 2023, and testing was started from Nov. 13, 2023 and completed on Dec. 01, 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

Sporton International Inc. Hsinchu Laboratory
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR3N0313AA	01	Initial issue of report	Dec. 28, 2023
FR3N0313AA	02	1. Adding model name “RAP630W-211G” for brand name “SonicFi”. 2. Adding model name “CAP630W-211G” for brand name “CyberTAN”.	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: Vicky Huang

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	2	2	GALTRONICS	02102140-07905M1	PCB Antenna	I-PEX	Note 1
2	1	1	GALTRONICS	02102140-07905M2	PCB Antenna	I-PEX	
3	-	3	GALTRONICS	02102142-07905M	PCB Antenna	I-PEX	

Note 1:

Ant.	Gain (dBi)				
	2.4GHz	5GHz UNII-1	5GHz UNII-2A	5GHz UNII-2C	5GHz UNII-3
1	2.9	3.1	3.1	2.8	2.8
2	3.2	3.4	3.2	3.3	3.4
3	-	4.3	4.7	4.7	4.8

Note 2: The above information was declared by manufacturer.
Note 3: The antenna 3 has the receiving function only.

Note 4: 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	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$
BF	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$

Ex.

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

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= 2.9 dBi ;G2= 3.2 dBi ;

5G UNII-1 G1 = 3.1 dBi; G2 = 3.4 dBi;

5G UNII-2A G1 = 3.1 dBi; G2 = 3.2 dBi;

5G UNII-2C G1 = 2.8 dBi; G2 = 3.3 dBi;

5G UNII-3 G1 = 2.8 dBi; G2 = 3.4 dBi;

2.4G DG = 6.06 dBi

5G UNII-1 DG = 6.26 dBi

5G UNII-2A DG = 6.16 dBi

5G UNII-2C DG = 6.06 dB

5G UNII-3 DG = 6.12 dBi

Note 5: **For 2.4GHz function:**
For IEEE 802.11 b/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 802.11 a/n/ac/ax (2TX/3RX):
Port 1 and Port 2 can be used as transmitting antenna.
Port 1 and Port 2 could transmit simultaneously.
Port 1, Port 2 and Port 3 can be used as receiving antenna.
Port 1, Port 2 and Port 3 could receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.994	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.961	0.17	1.4m	1k
802.11ax HEW20-BF	0.94	0.27	3.788m	300
802.11ax HEW40-BF	0.858	0.67	1.925m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power 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: QA 0.0.2.78 Beamforming mode: DOS [ver 6.1.7601]			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	Description
SonicFi	EWW631-C1, RAP630W-211G	All the brands/models are identical, the difference brand/model served as marketing strategy.
CyberTAN	EWW631-C1, CAP630W-211G	

Note 1: From the above, brand: CyberTAN / model: EWW631-C1 was selected as representative brand / model for the test and its data was recorded in this report.
Note 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	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	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	Owen Hsu	21.1-21.2 / 63-67	Nov. 17, 2023
Radiated (below 1G)	03CH03-CB	Ederson Huang	22.7-23.8 / 56-59	Nov. 13, 2023~ Dec. 01, 2023
Radiated (above 1G)	03CH03-CB		22.7-23.8 / 56-59	
	03CH05-CB		23-24 / 56-59	
	03CH06-CB		22.4-23.5 / 55-58	
Radiated (co-location)	03CH05-CB		23-24 / 56-59	
AC Conduction	CO01-CB	Joe Chu	22-23 / 54-55	Nov. 24, 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	16
2437MHz	17
2462MHz	17
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	16
2437MHz	18.5
2462MHz	17
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	32
2437MHz	37
2462MHz	34
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	33
2437MHz	35
2452MHz	30

Note:
- HEW20 / HEW40 covers HT20 / HT40 / VHT20 / VHT40 due to similar modulation. The power setting for HT20 / HT40 / VHT20 / VHT40 is the same or lower than HEW20 / HEW40.
- The EUT supports non-beamforming and beamforming modes. After evaluating, the beamforming mode was 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 + PoE_WLAN 2.4GHz
2	EUT in Y axis + PoE_WLAN 5GHz
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.: FA3N0313 for Co-location RF Exposure Evaluation.	

Note: The PoE below is for measurement only, would not be marketed.

The PoE information as below:

Support Unit	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:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated 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.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Client and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 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 (below 1GHz):

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

For Radiated (above 1GHz):
<Non-beamforming mode>

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

<Beamforming mode>

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	PoE	Microsemi	PD-9501-10GC/AC	N/A
C	Client	CyberTAN	EWW631-C1	N/A
D	NB	DELL	E4300	N/A

For RF Conducted:
<Non-beamforming mode>

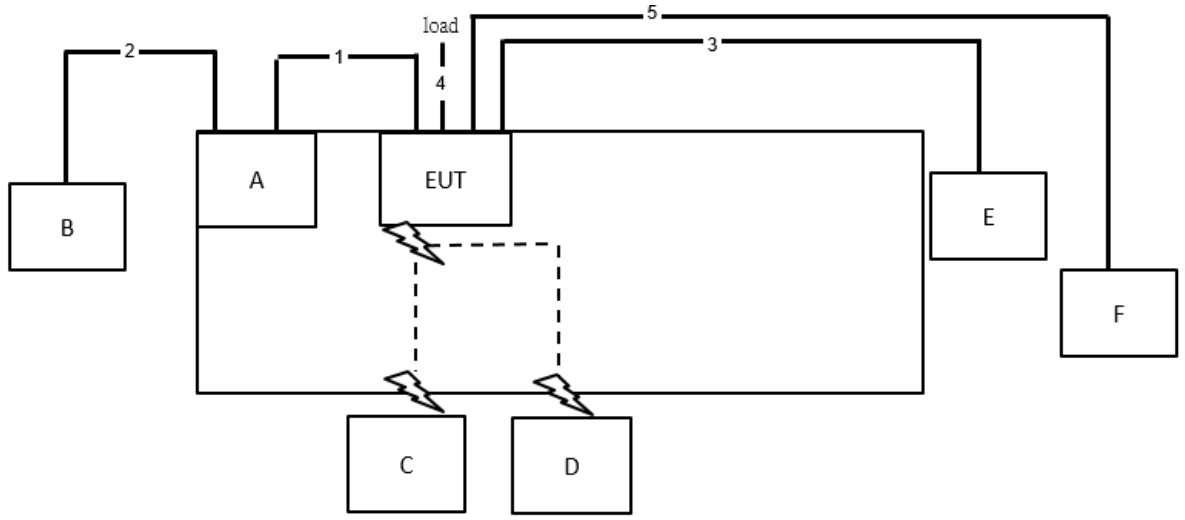
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	PoE	Microsemi	PD-9501-10GC/AC	N/A

<Beamforming mode>

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	Client	Cybertan	EWW631-C1	N/A
D	PoE	Microsemi	PD-9501-10GC/AC	N/A

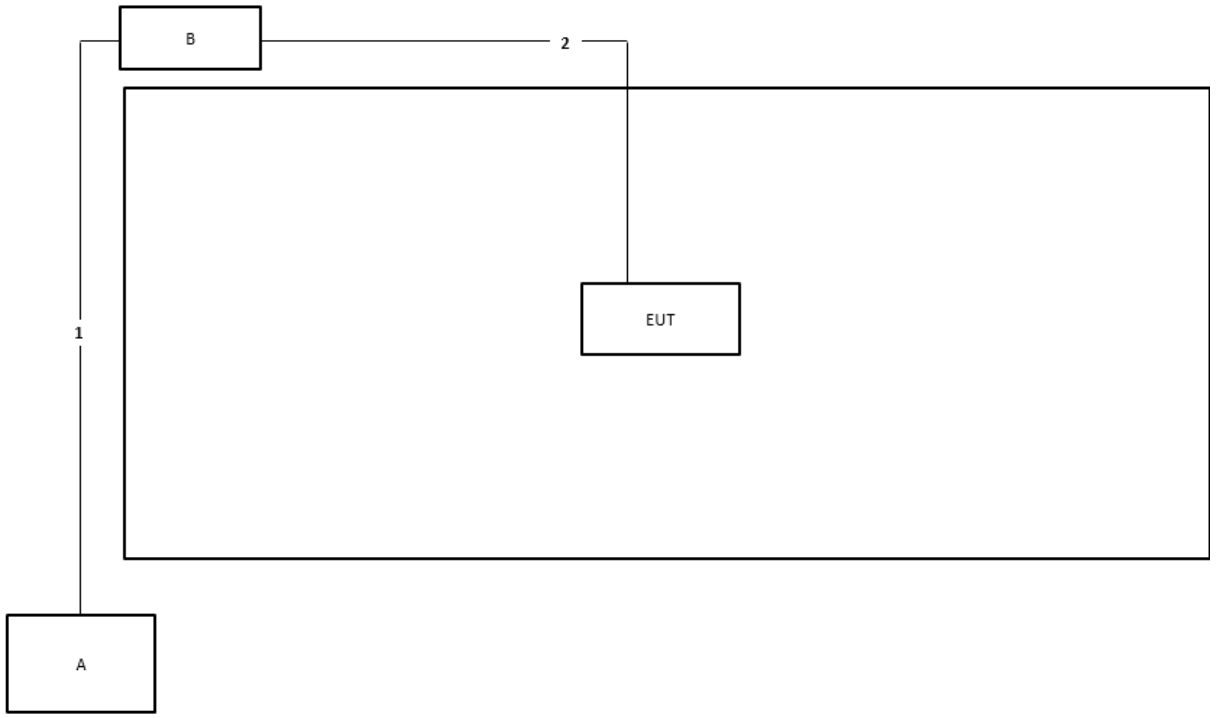
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



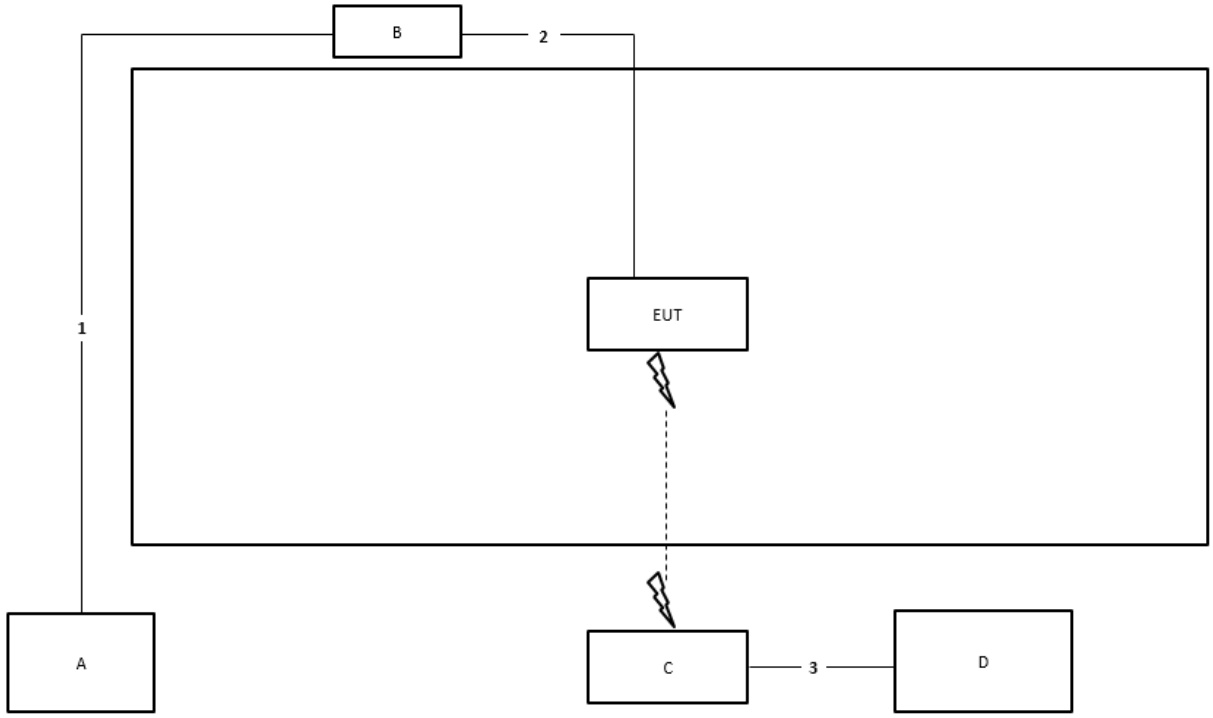
Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1.5m
5	RJ-45 cable	No	10m

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



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

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



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

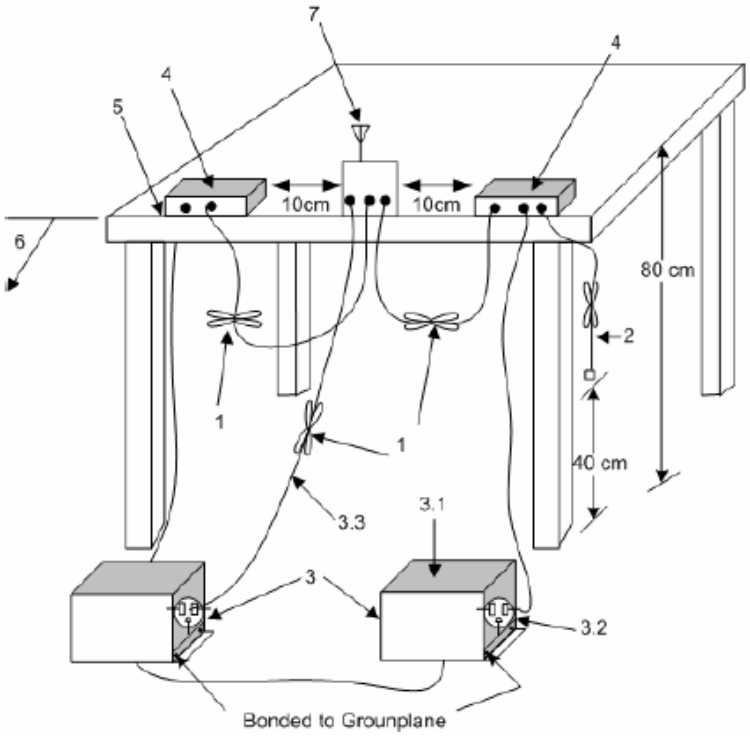
Refer a test equipment and calibration data table in this test report.

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.

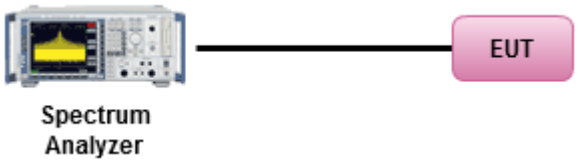
3.2.2 Measuring Instruments

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

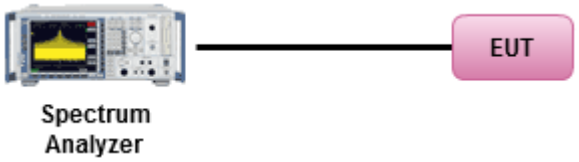
3.4.2 Measuring Instruments

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

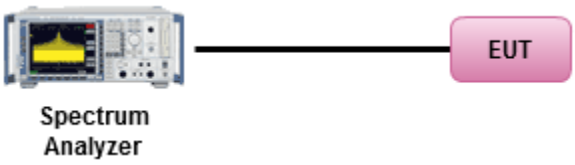
Refer a test equipment and calibration data table in this test report.

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 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.

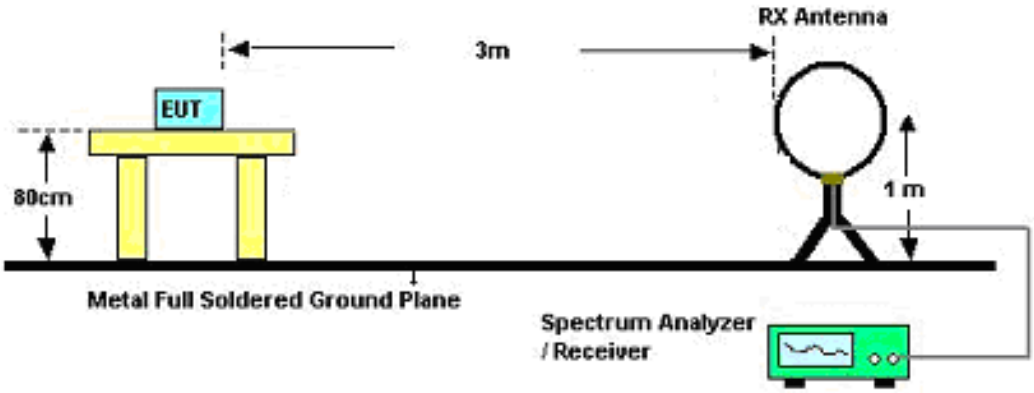
3.6.3 Test Procedures

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.		

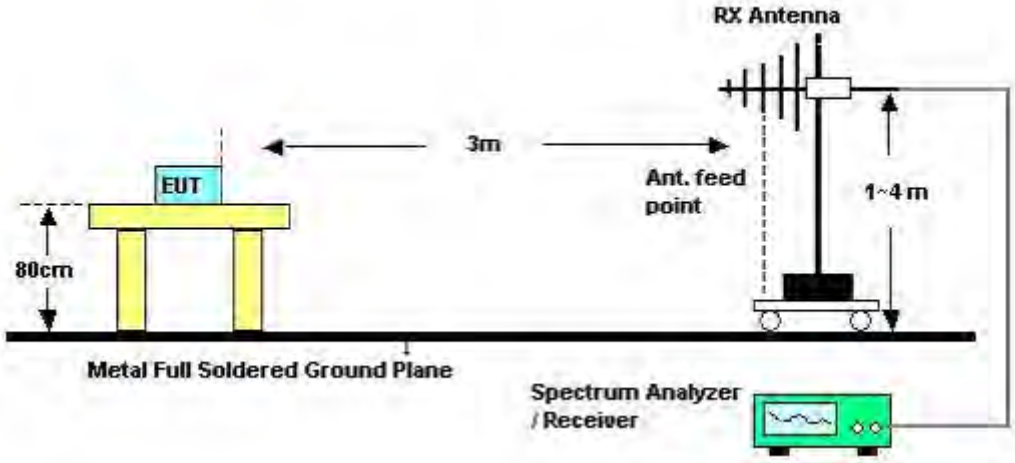
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

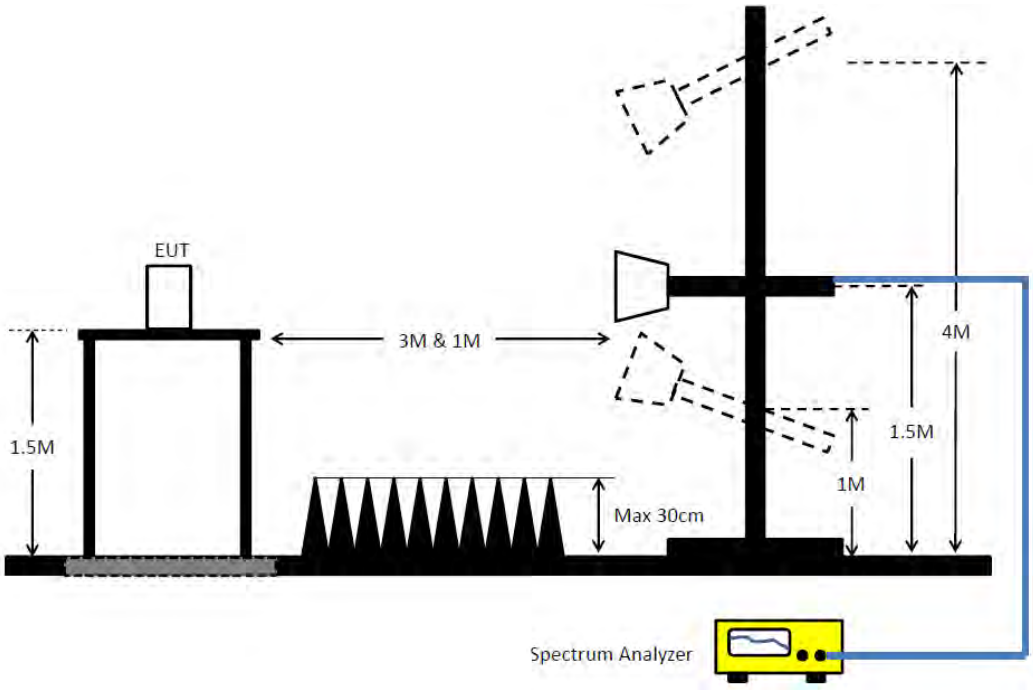
9kHz ~30MHz



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
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-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)
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	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 09, 2023	Jan. 08, 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)
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)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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	03CH05-CB	1GHz ~18GHz 3m	Sep. 29, 2023	Sep. 28, 2024	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 08, 2023	Jun. 07, 2024	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz–26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20230109-3	18~40GHz	Jan. 13, 2023	Jan. 12, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 31, 2023	Jul. 30, 2024	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20230109-3	18~40GHz	Jan. 13, 2023	Jan. 12, 2024	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 21, 2022	Dec. 20, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)

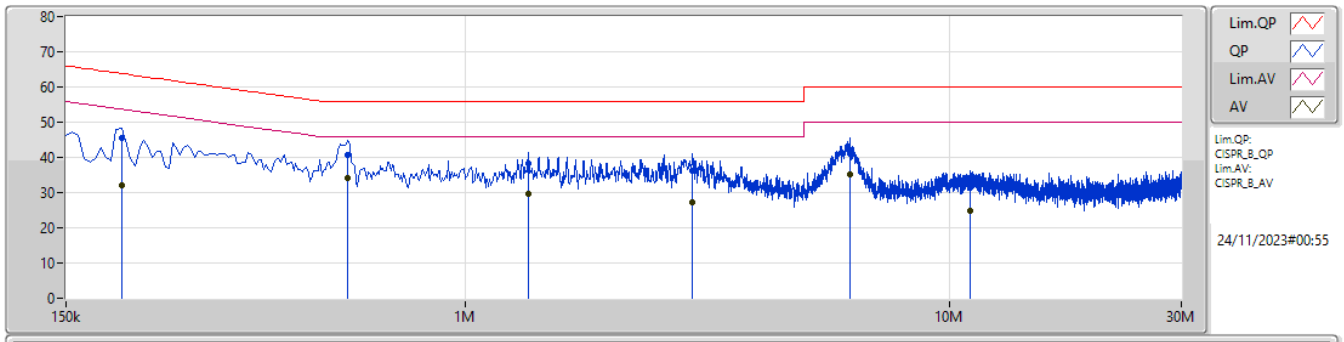
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	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.
NCR means Non-Calibration required.

Summary

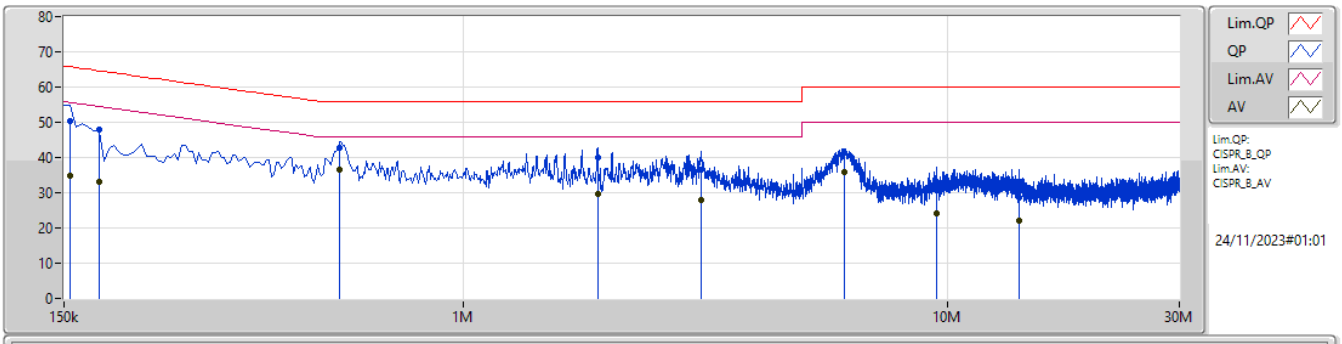
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	555k	36.47	46.00	-9.53	Neutral

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	195k	45.42	63.82	-18.40	9.96	Line	-	35.46	0.08	0.02	9.86
AV	195k	32.00	53.82	-21.82	9.96	Line	-	22.04	0.08	0.02	9.86
QP	573k	40.76	56.00	-15.24	10.02	Line	-	30.74	0.10	0.02	9.90
AV	573k	34.04	46.00	-11.96	10.02	Line	-	24.02	0.10	0.02	9.90
QP	1.347M	38.11	56.00	-17.89	10.06	Line	-	28.05	0.12	0.04	9.90
AV	1.347M	29.50	46.00	-16.50	10.06	Line	-	19.44	0.12	0.04	9.90
QP	2.94M	36.11	56.00	-19.89	10.18	Line	-	25.93	0.16	0.11	9.91
AV	2.94M	27.17	46.00	-18.83	10.18	Line	-	16.99	0.16	0.11	9.91
QP	6.212M	41.05	60.00	-18.95	10.27	Line	-	30.78	0.21	0.14	9.92
AV	6.212M	35.24	50.00	-14.76	10.27	Line	-	24.97	0.21	0.14	9.92
QP	10.982M	31.35	60.00	-28.65	10.36	Line	-	20.99	0.26	0.15	9.95
AV	10.982M	24.99	50.00	-25.01	10.36	Line	-	14.63	0.26	0.15	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	154.5k	50.51	65.75	-15.24	9.96	Neutral	-	40.55	0.07	0.02	9.87
AV	154.5k	34.88	55.75	-20.87	9.96	Neutral	-	24.92	0.07	0.02	9.87
QP	177k	47.79	64.62	-16.83	9.96	Neutral	-	37.83	0.07	0.02	9.87
AV	177k	33.14	54.62	-21.48	9.96	Neutral	-	23.18	0.07	0.02	9.87
QP	555k	42.64	56.00	-13.36	9.99	Neutral	-	32.65	0.07	0.02	9.90
AV	555k	36.47	46.00	-9.53	9.99	Neutral	"Worst"	26.48	0.07	0.02	9.90
QP	1.892M	40.05	56.00	-15.95	10.07	Neutral	-	29.98	0.10	0.07	9.90
AV	1.892M	29.54	46.00	-16.46	10.07	Neutral	-	19.47	0.10	0.07	9.90
QP	3.102M	36.49	56.00	-19.51	10.14	Neutral	-	26.35	0.12	0.11	9.91
AV	3.102M	27.92	46.00	-18.08	10.14	Neutral	-	17.78	0.12	0.11	9.91
QP	6.126M	41.22	60.00	-18.78	10.24	Neutral	-	30.98	0.18	0.14	9.92
AV	6.126M	35.76	50.00	-14.24	10.24	Neutral	-	25.52	0.18	0.14	9.92
QP	9.452M	30.82	60.00	-29.18	10.30	Neutral	-	20.52	0.22	0.14	9.94
AV	9.452M	24.01	50.00	-25.99	10.30	Neutral	-	13.71	0.22	0.14	9.94
QP	13.988M	28.54	60.00	-31.46	10.39	Neutral	-	18.15	0.25	0.17	9.97
AV	13.988M	21.95	50.00	-28.05	10.39	Neutral	-	11.56	0.25	0.17	9.97

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.05M	12.543M	12M5G1D	6.85M	12.35M
802.11g_Nss1,(6Mbps)_2TX	16.425M	18.677M	18M7D1D	16.35M	16.567M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.05M	19.326M	19M3D1D	18.7M	18.893M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	38.15M	38.084M	38M1D1D	37.95M	37.754M

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

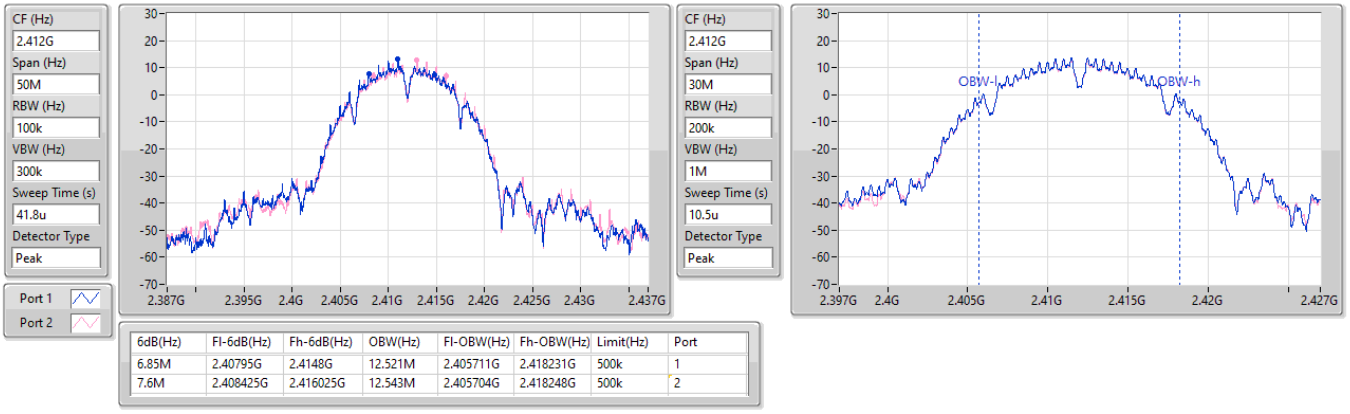
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	6.85M	12.521M	7.6M	12.543M
2437MHz	Pass	500k	7.85M	12.409M	7.8M	12.453M
2462MHz	Pass	500k	7.15M	12.35M	8.05M	12.428M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.375M	16.725M	16.35M	16.567M
2437MHz	Pass	500k	16.375M	18.677M	16.425M	18.141M
2462MHz	Pass	500k	16.375M	16.655M	16.375M	16.706M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.75M	18.947M	18.975M	18.959M
2437MHz	Pass	500k	19.025M	19.149M	18.7M	19.326M
2462MHz	Pass	500k	19M	18.893M	19.05M	18.998M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	38.15M	37.874M	38.15M	37.89M
2437MHz	Pass	500k	38.15M	38.084M	38.1M	38.014M
2452MHz	Pass	500k	38.1M	37.754M	37.95M	37.897M

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

17/11/2023

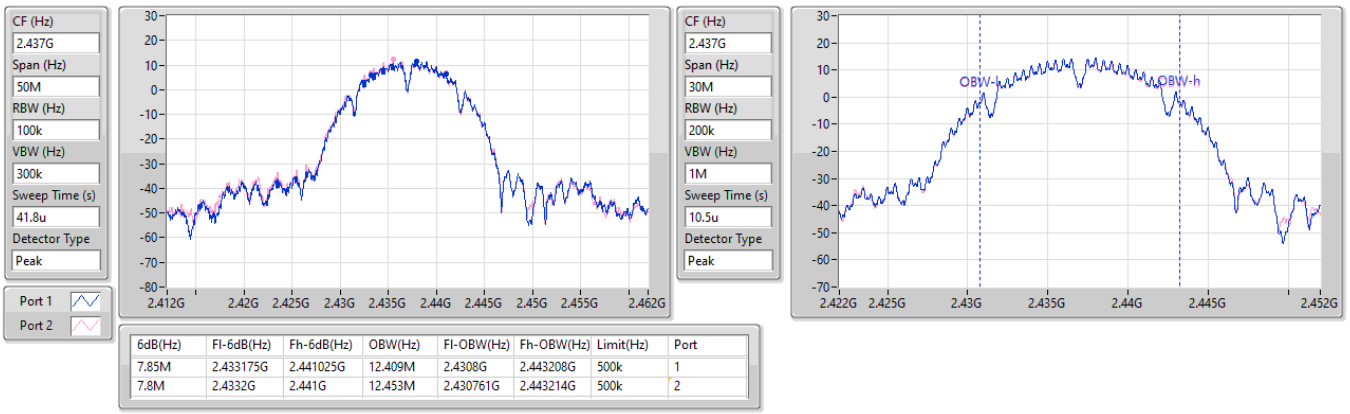


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.85M	2.40795G	2.4148G	12.521M	2.405711G	2.418231G	500k	1
7.6M	2.408425G	2.416025G	12.543M	2.405704G	2.418248G	500k	2

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

2437MHz

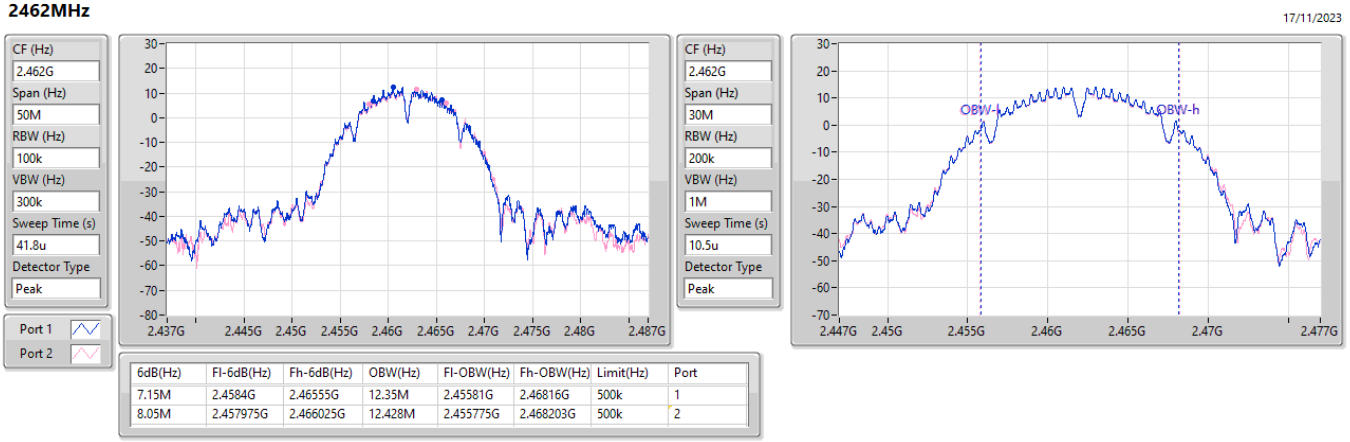
17/11/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.85M	2.433175G	2.441025G	12.409M	2.4308G	2.443208G	500k	1
7.8M	2.4332G	2.441G	12.453M	2.430761G	2.443214G	500k	2

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

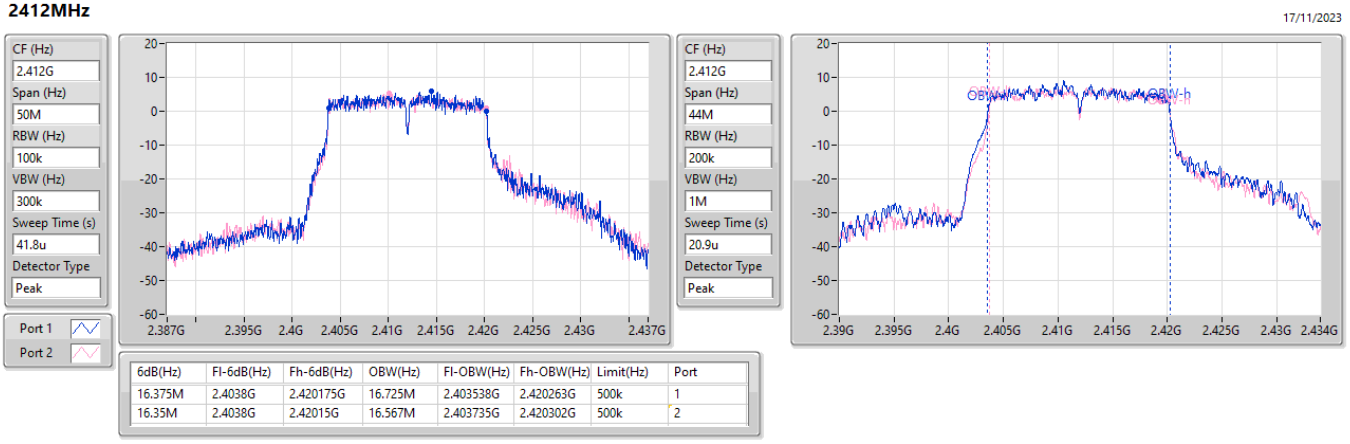
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.15M	2.4584G	2.46555G	12.35M	2.45581G	2.46816G	500k	1
8.05M	2.457975G	2.466025G	12.428M	2.455775G	2.468203G	500k	2

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

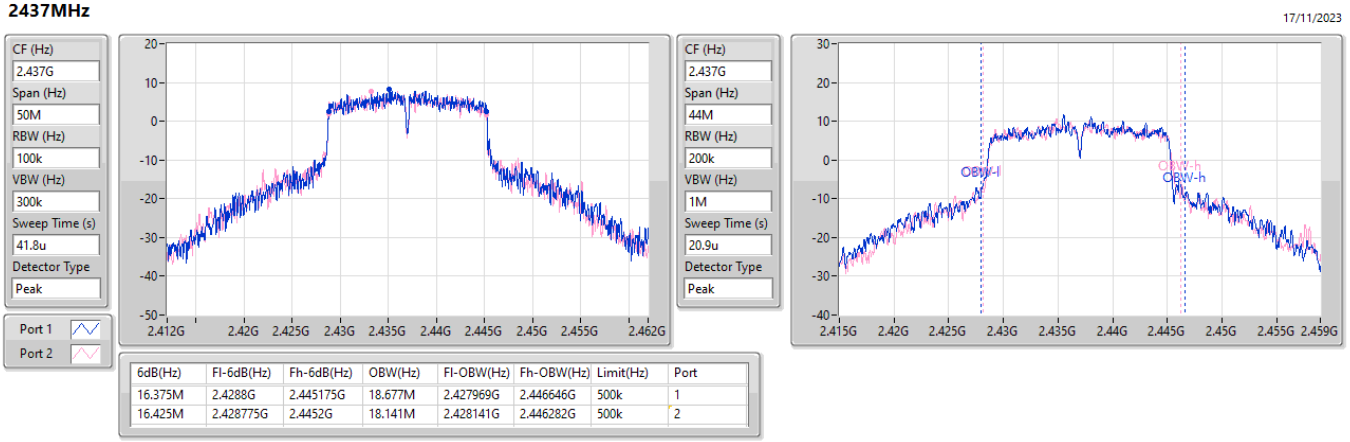
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	2.4038G	2.420175G	16.725M	2.403538G	2.420263G	500k	1
16.35M	2.4038G	2.42015G	16.567M	2.403735G	2.420302G	500k	2

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

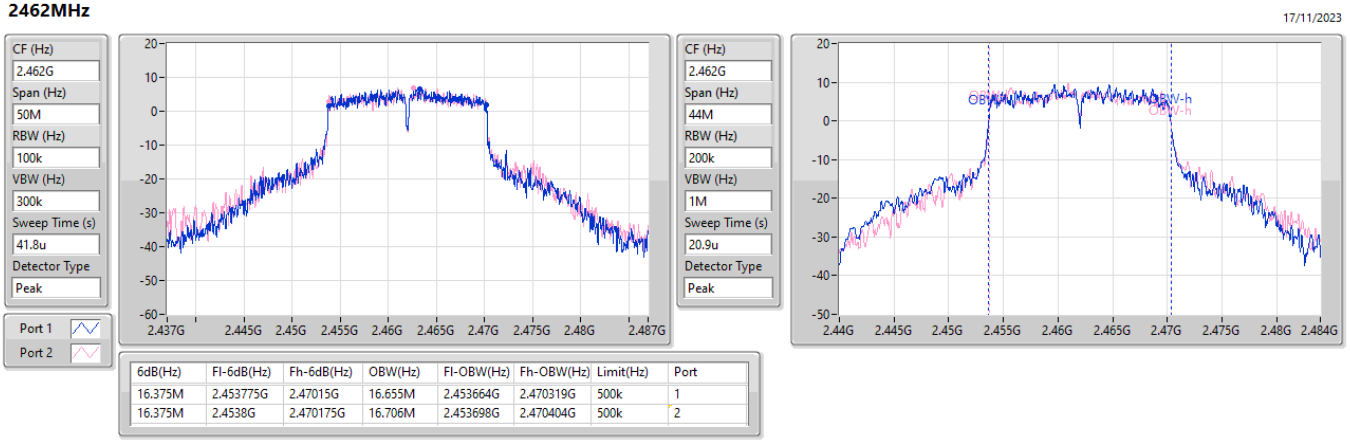
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	2.4288G	2.445175G	18.677M	2.427969G	2.446646G	500k	1
16.425M	2.428775G	2.4452G	18.141M	2.428141G	2.446282G	500k	2

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

2462MHz

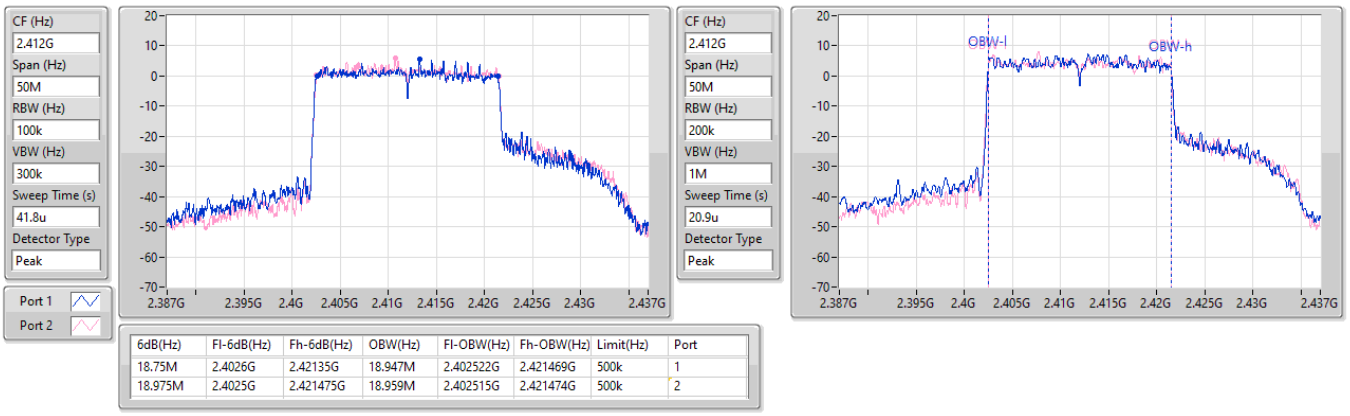


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	2.453775G	2.47015G	16.655M	2.453664G	2.470319G	500k	1
16.375M	2.4538G	2.470175G	16.706M	2.453698G	2.470404G	500k	2

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

2412MHz

17/11/2023

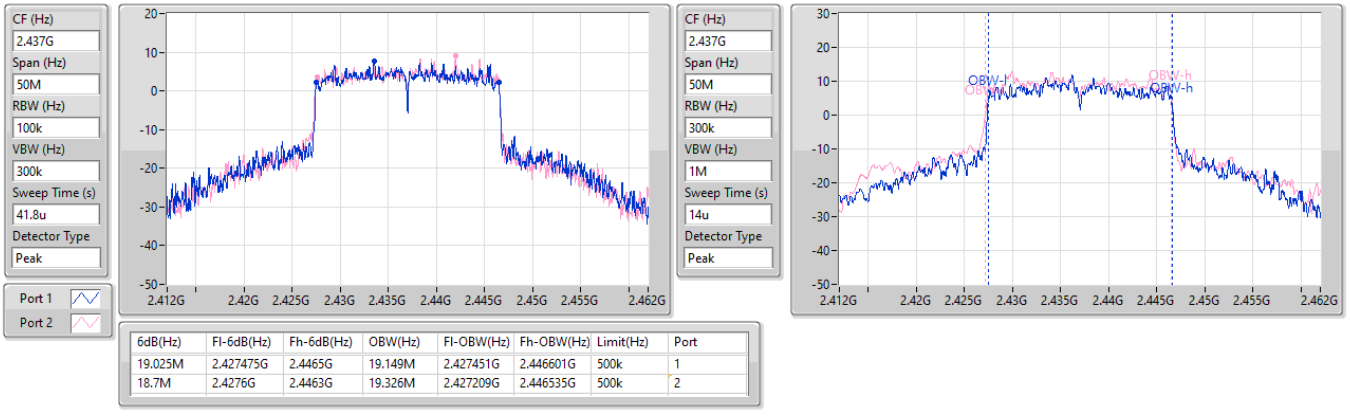


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.75M	2.4026G	2.42135G	18.947M	2.402522G	2.421469G	500k	1
18.975M	2.4025G	2.421475G	18.959M	2.402515G	2.421474G	500k	2

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

2437MHz

17/11/2023

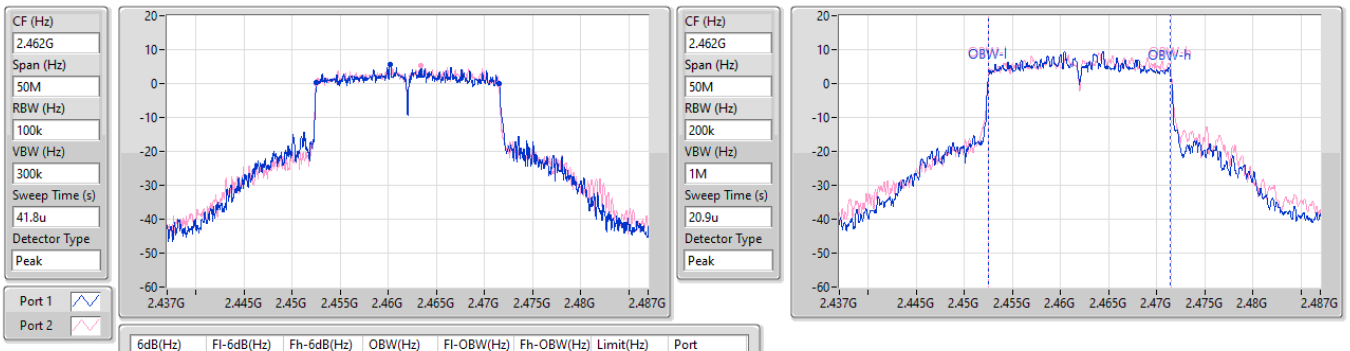


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.025M	2.427475G	2.4465G	19.149M	2.427451G	2.446601G	500k	1
18.7M	2.4276G	2.4463G	19.326M	2.427209G	2.446535G	500k	2

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

2462MHz

17/11/2023

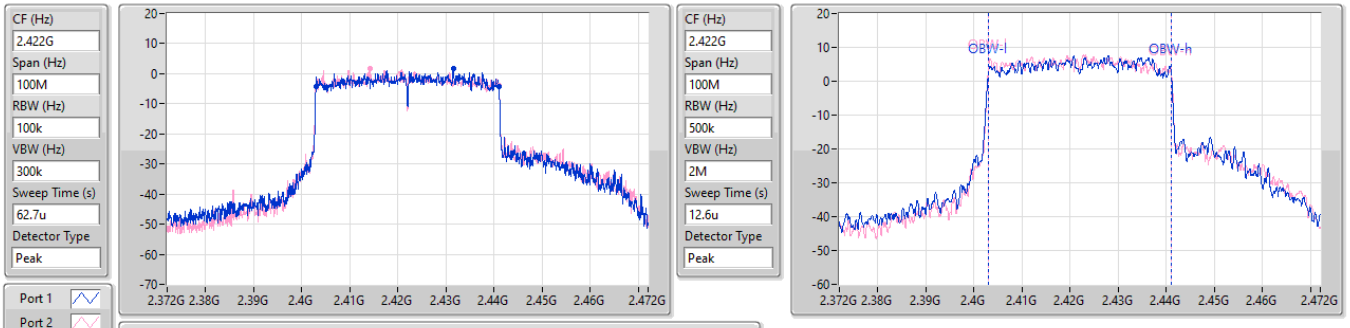


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.4525G	2.4715G	18.893M	2.45254G	2.471434G	500k	1
19.05M	2.452475G	2.471525G	18.998M	2.452534G	2.471532G	500k	2

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

2422MHz

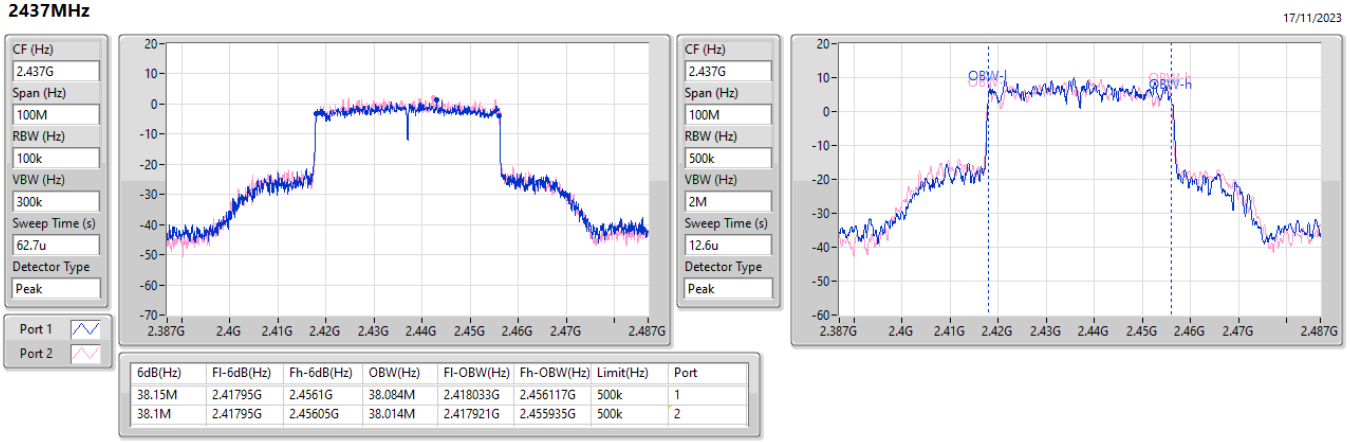
17/11/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.15M	2.4029G	2.44105G	37.874M	2.403065G	2.440939G	500k	1
38.15M	2.4029G	2.44105G	37.89M	2.403051G	2.440941G	500k	2

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

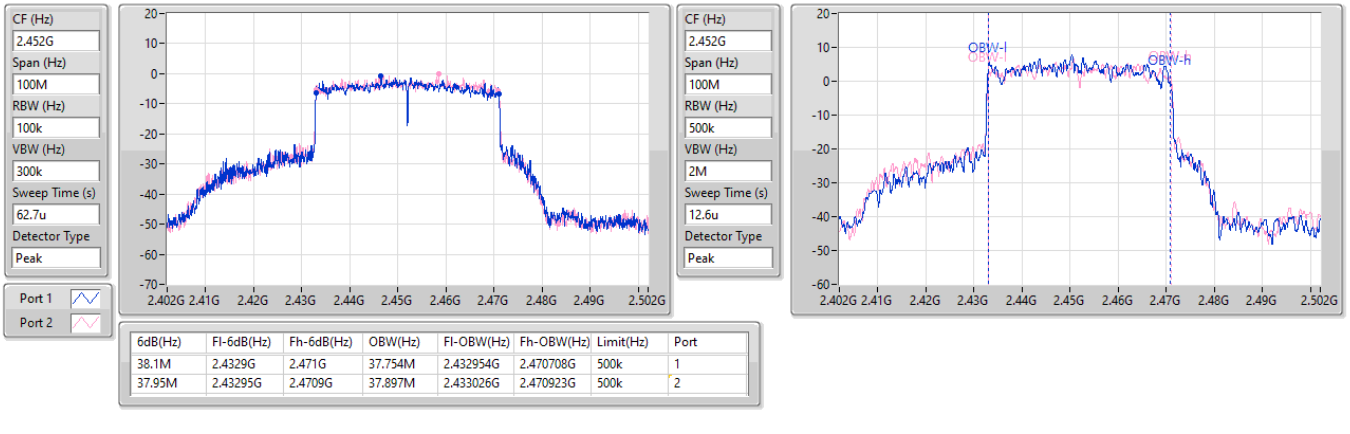
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.15M	2.41795G	2.4561G	38.084M	2.418033G	2.456117G	500k	1
38.1M	2.41795G	2.45605G	38.014M	2.417921G	2.455935G	500k	2

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

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.1M	2.4329G	2.471G	37.754M	2.432954G	2.470708G	500k	1
37.95M	2.43295G	2.4709G	37.897M	2.433026G	2.470923G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.30	0.33884
802.11g_Nss1,(6Mbps)_2TX	24.89	0.30832
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	24.78	0.30061
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.16	0.16444

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.20	21.40	21.28	24.35	30.00
2437MHz	Pass	3.20	22.39	22.18	25.30	30.00
2462MHz	Pass	3.20	22.34	22.10	25.23	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.20	19.68	19.61	22.66	30.00
2437MHz	Pass	3.20	21.90	21.86	24.89	30.00
2462MHz	Pass	3.20	20.88	20.77	23.84	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.06	18.71	19.10	21.92	29.94
2437MHz	Pass	6.06	21.68	21.85	24.78	29.94
2462MHz	Pass	6.06	20.00	20.16	23.09	29.94
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.06	18.15	18.40	21.29	29.94
2437MHz	Pass	6.06	19.19	19.10	22.16	29.94
2452MHz	Pass	6.06	16.64	16.73	19.70	29.94

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	1.03
802.11g_Nss1,(6Mbps)_2TX	-2.18
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-3.96
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-9.08

RBW = 3kHz;

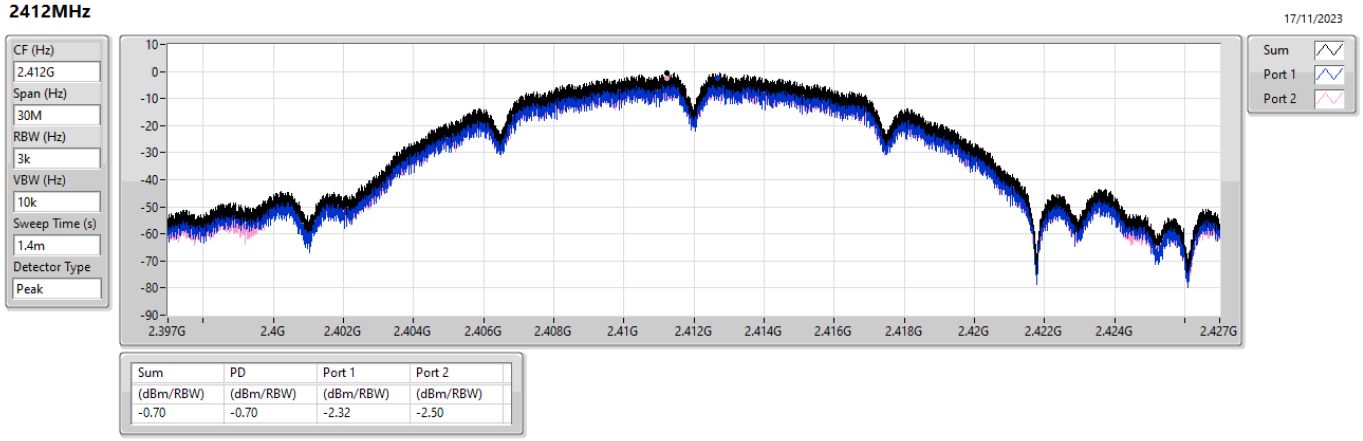
Result

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	6.06	-2.32	-2.50	-0.70	7.94
2437MHz	Pass	6.06	-0.07	-1.50	1.03	7.94
2462MHz	Pass	6.06	-2.06	-1.95	0.30	7.94
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.06	-6.34	-6.49	-4.12	7.94
2437MHz	Pass	6.06	-3.14	-3.93	-2.18	7.94
2462MHz	Pass	6.06	-3.42	-5.28	-2.30	7.94
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.06	-8.96	-7.58	-6.06	7.94
2437MHz	Pass	6.06	-5.44	-5.83	-3.96	7.94
2462MHz	Pass	6.06	-6.77	-7.29	-5.54	7.94
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.06	-11.64	-11.96	-10.33	7.94
2437MHz	Pass	6.06	-10.94	-10.80	-9.08	7.94
2452MHz	Pass	6.06	-13.39	-13.90	-11.68	7.94

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**

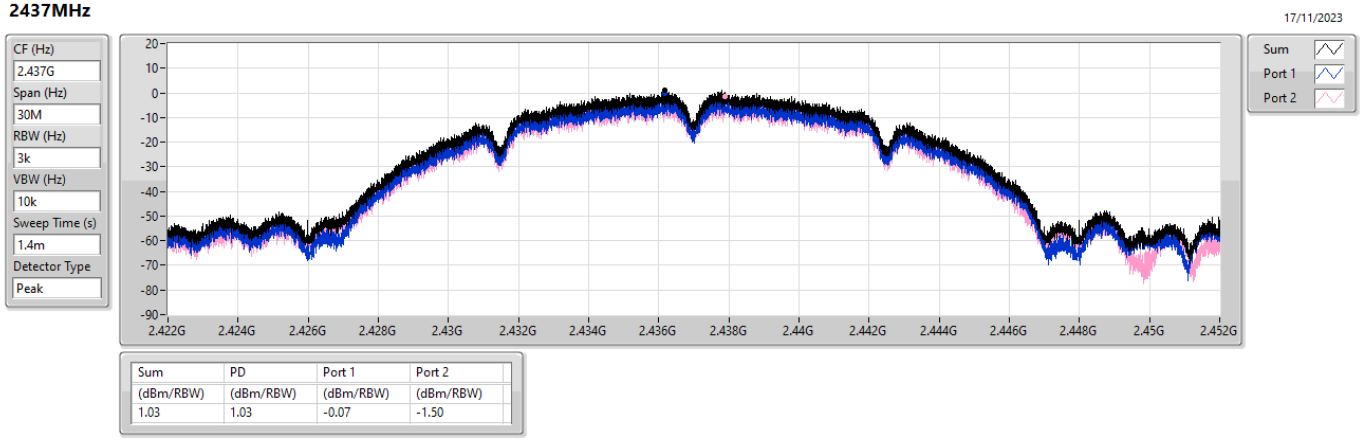
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.70	-0.70	-2.32	-2.50

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

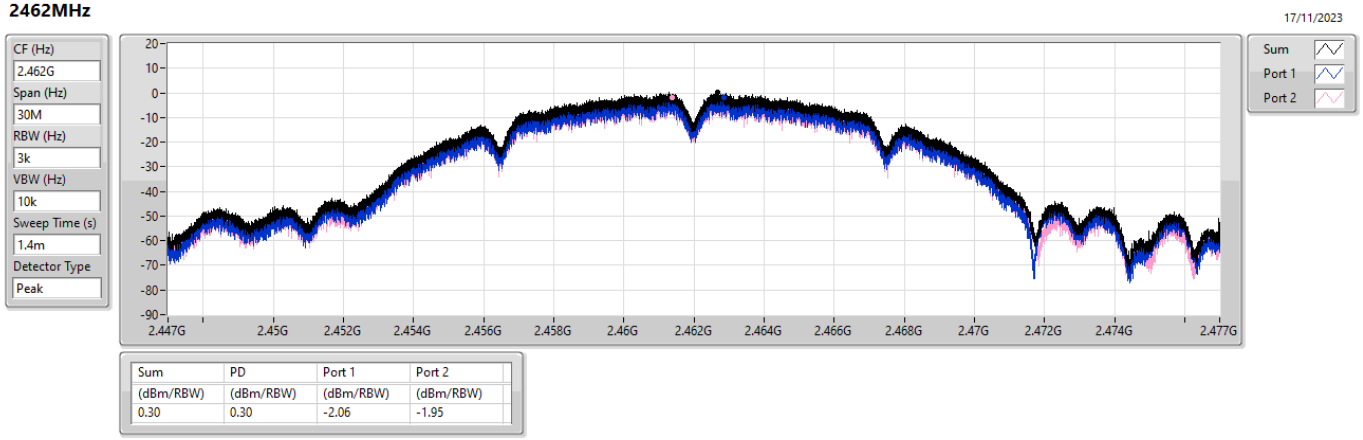
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.03	1.03	-0.07	-1.50

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

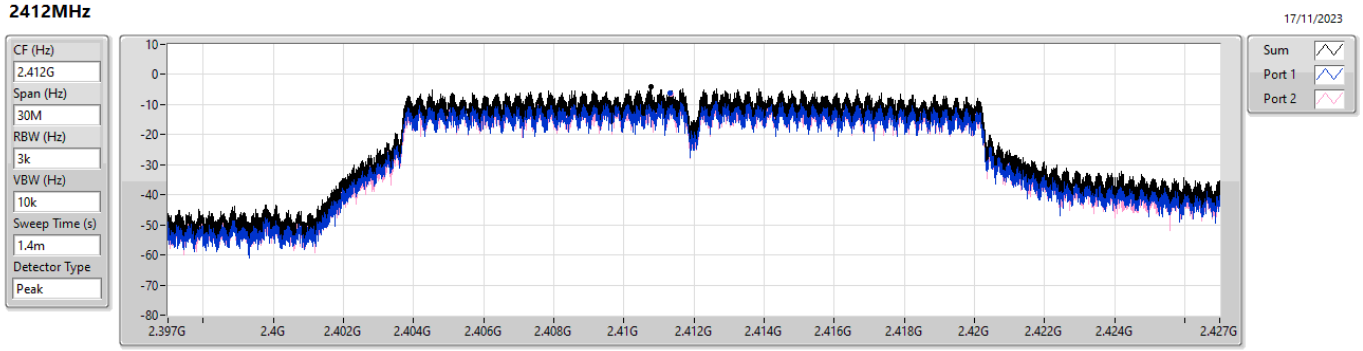
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.30	0.30	-2.06	-1.95

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

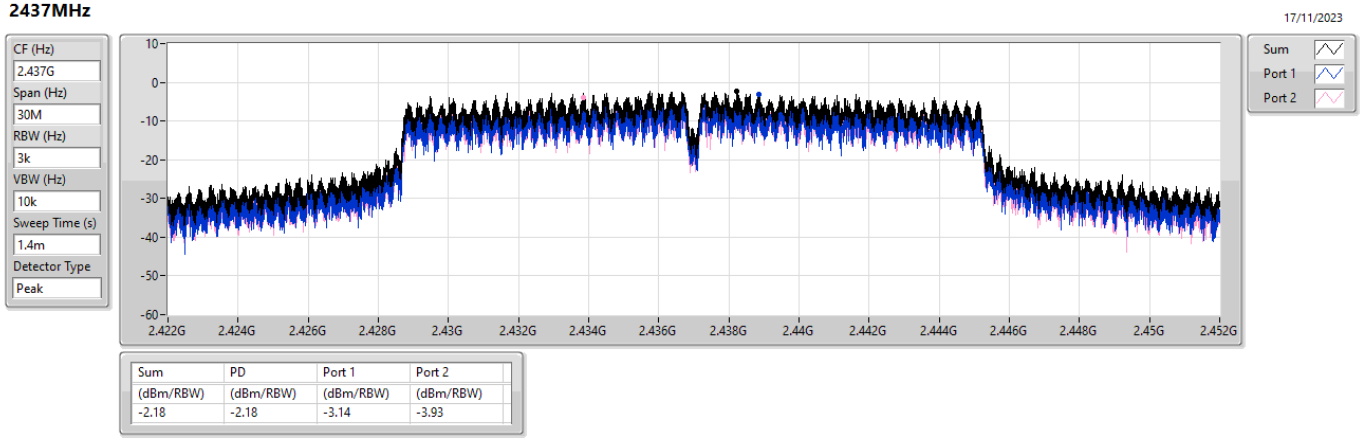
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.12	-4.12	-6.34	-6.49

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

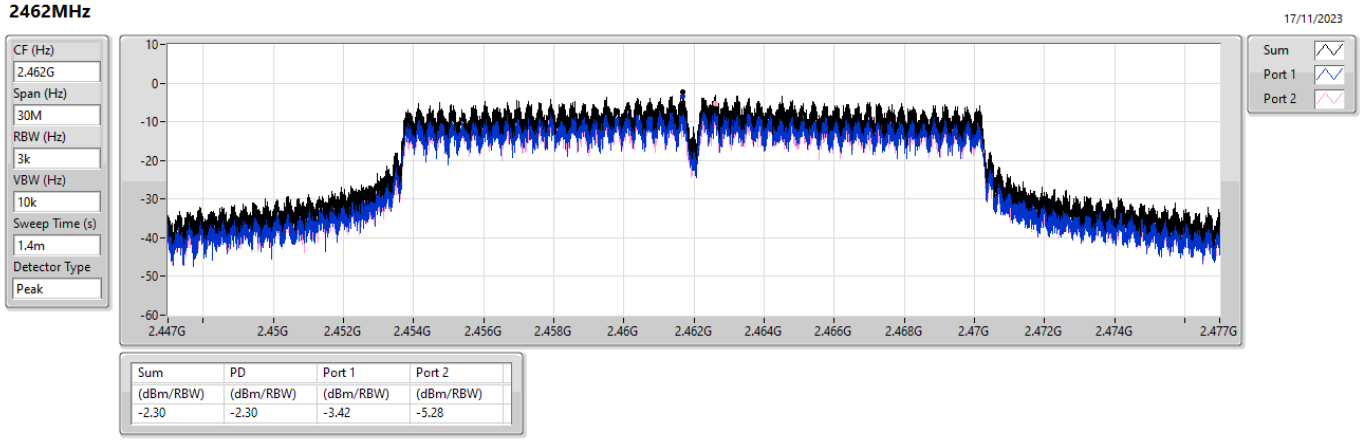
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.18	-2.18	-3.14	-3.93

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

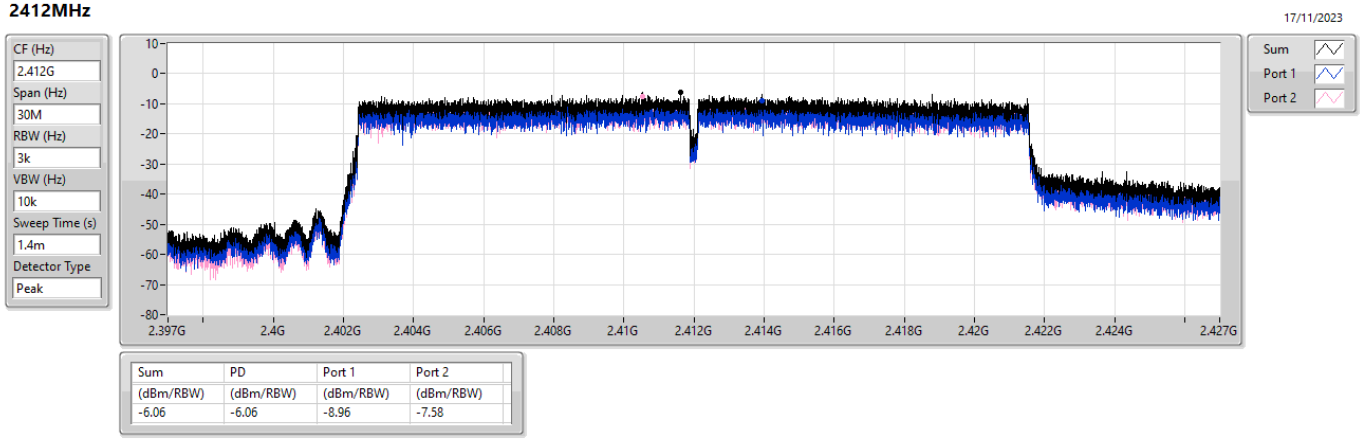
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.30	-2.30	-3.42	-5.28

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

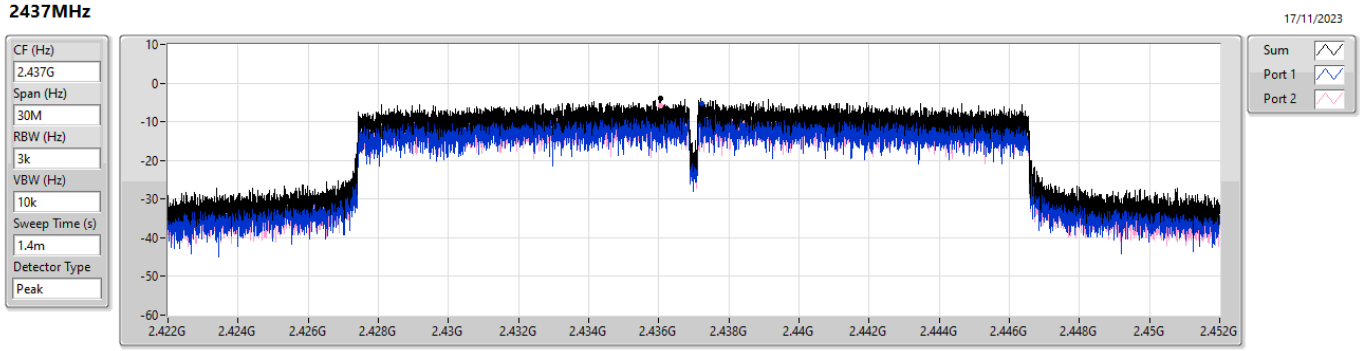
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.06	-6.06	-8.96	-7.58

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

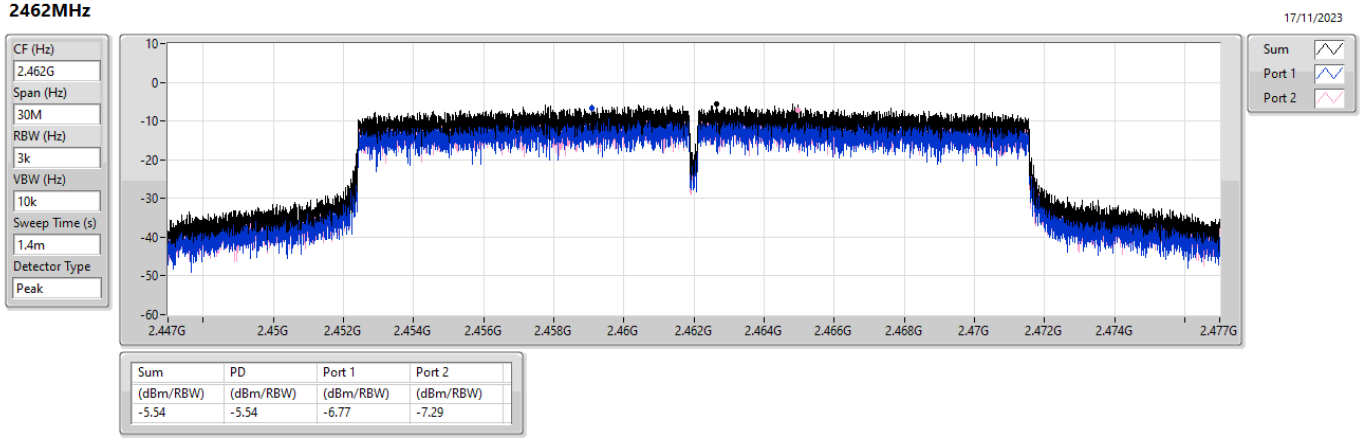
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.96	-3.96	-5.44	-5.83

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

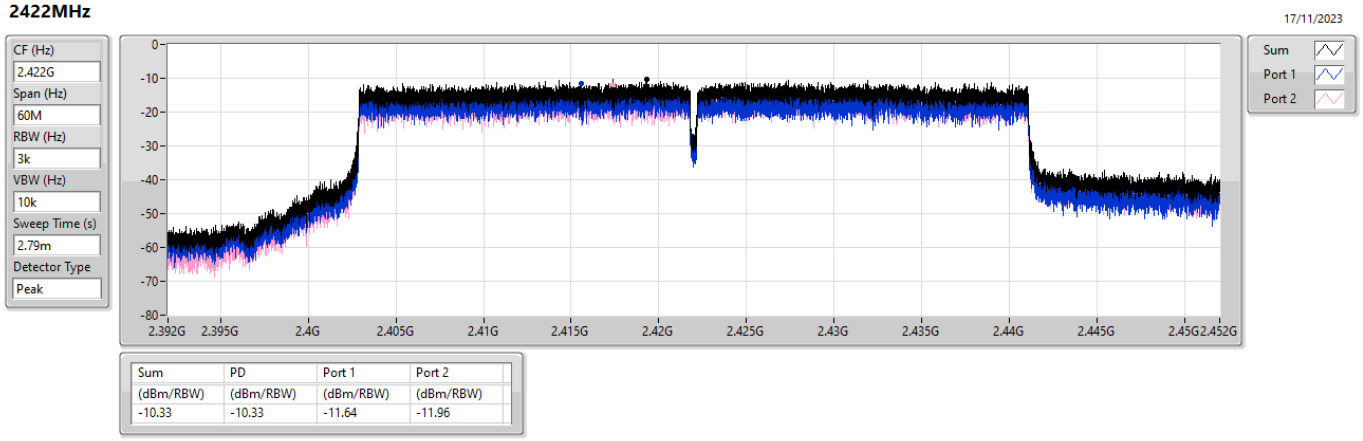
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.54	-5.54	-6.77	-7.29

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

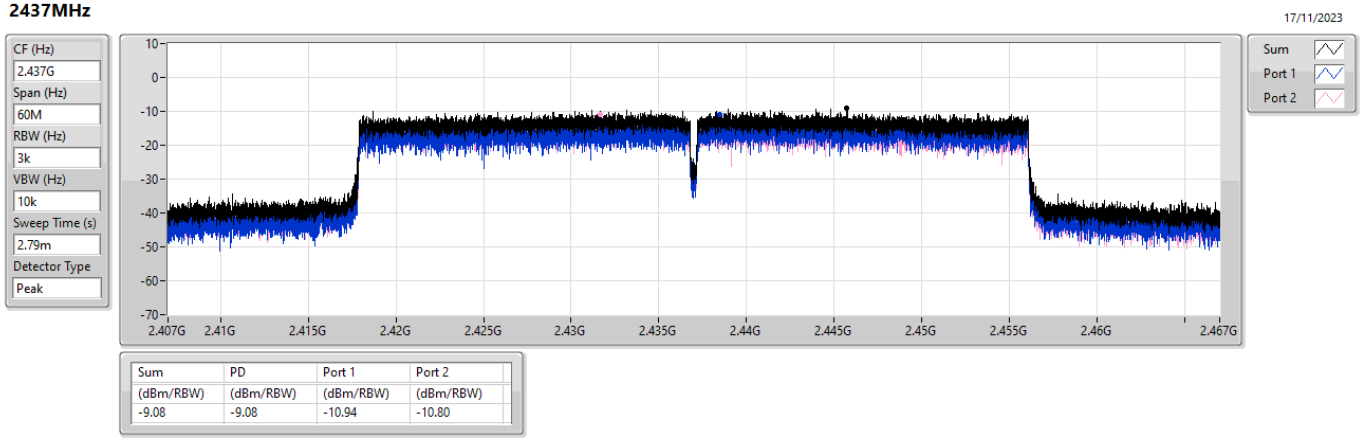
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.33	-10.33	-11.64	-11.96

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

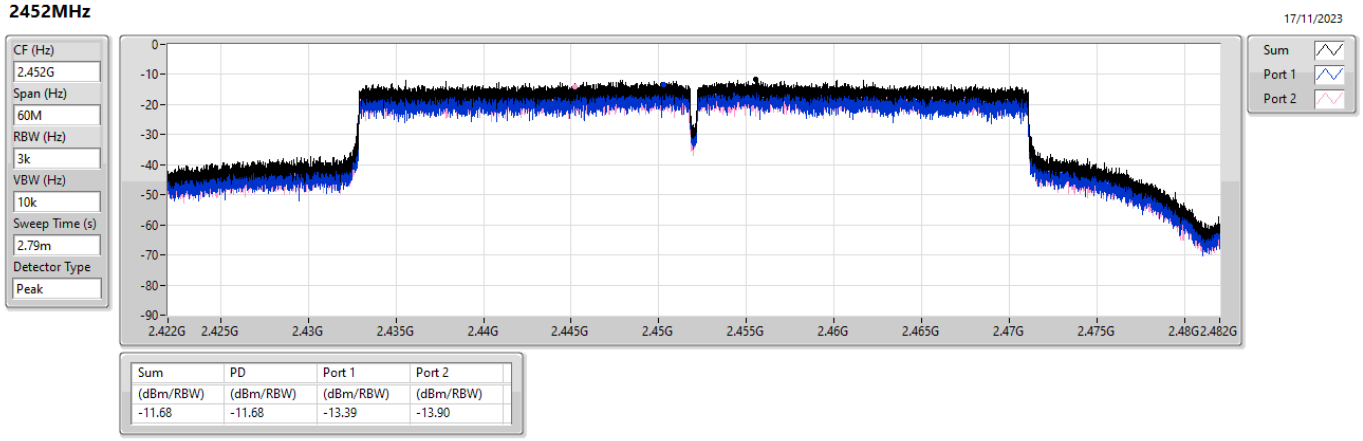
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.08	-9.08	-10.94	-10.80

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)
-11.68	-11.68	-13.39	-13.90

Summary

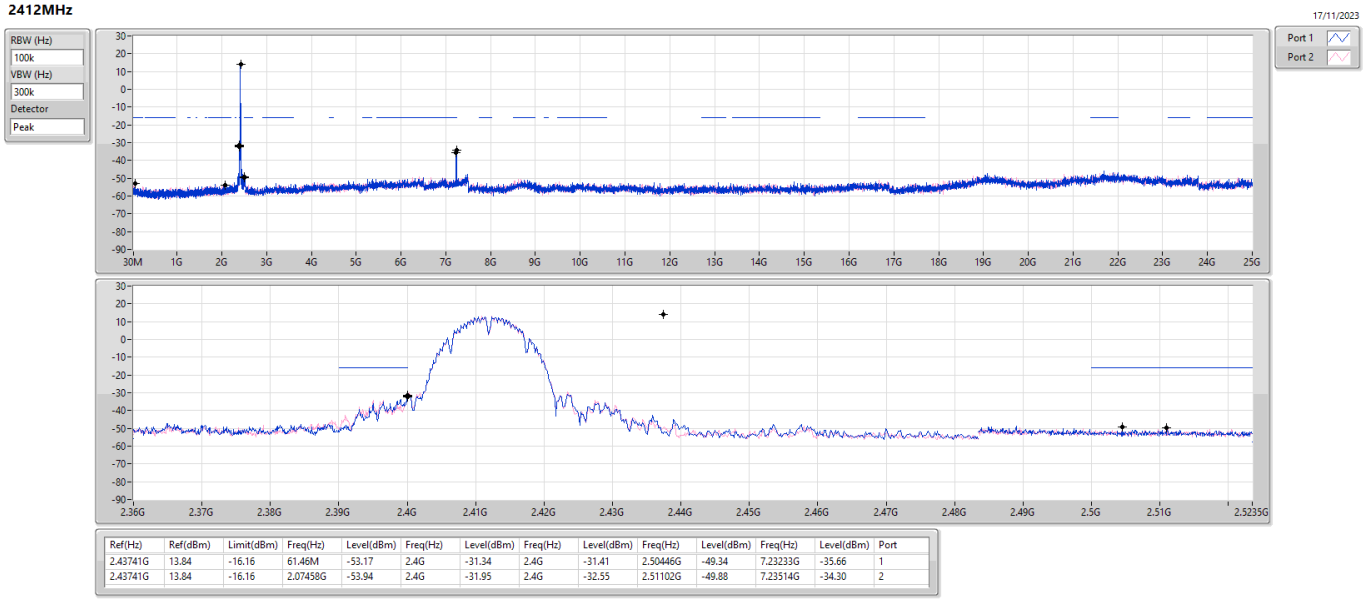
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43741G	13.84	-16.16	61.46M	-53.17	2.4G	-31.34	2.4G	-31.41	2.50446G	-49.34	7.23233G	-35.66	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	12.08	-17.92	2.16545G	-53.53	2.3964G	-29.60	2.4G	-30.58	2.50142G	-49.02	7.23514G	-39.63	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43941G	10.81	-19.19	2.30874G	-49.28	2.4G	-31.99	2.4G	-35.17	2.50638G	-43.32	21.79429G	-42.44	1
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.44075G	5.35	-24.65	2.30168G	-49.75	2.4G	-26.07	2.4G	-30.94	2.50062G	-47.56	21.95985G	-41.74	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43741G	13.84	-16.16	61.46M	-53.17	2.4G	-31.34	2.4G	-31.41	2.50446G	-49.34	7.23233G	-35.66	1
2412MHz	Pass	2.43741G	13.84	-16.16	2.07458G	-53.94	2.4G	-31.95	2.4G	-32.55	2.51102G	-49.88	7.23514G	-34.30	2
2437MHz	Pass	2.43741G	13.84	-16.16	47.48M	-53.07	2.39504G	-47.81	2.4G	-52.30	2.50006G	-49.09	21.79429G	-47.90	1
2437MHz	Pass	2.43741G	13.84	-16.16	1.71226G	-54.41	2.39704G	-48.33	2.4G	-53.77	2.50742G	-50.02	21.66786G	-47.93	2
2462MHz	Pass	2.43741G	13.84	-16.16	1.79731G	-53.64	2.39968G	-48.84	2.4G	-52.02	2.50142G	-45.59	21.88139G	-46.99	1
2462MHz	Pass	2.43741G	13.84	-16.16	1.93012G	-53.95	2.39784G	-50.10	2.4G	-52.45	2.51126G	-48.93	21.73529G	-47.16	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	12.08	-17.92	2.16428G	-53.24	2.39456G	-29.95	2.4G	-32.03	2.50638G	-49.17	7.23795G	-39.37	1
2412MHz	Pass	2.43824G	12.08	-17.92	2.16545G	-53.53	2.3964G	-29.60	2.4G	-30.58	2.50142G	-49.02	7.23514G	-39.63	2
2437MHz	Pass	2.43824G	12.08	-17.92	2.30292G	-53.84	2.39952G	-33.77	2.4G	-34.56	2.50006G	-44.96	21.64819G	-47.11	1
2437MHz	Pass	2.43824G	12.08	-17.92	2.19923G	-53.75	2.39888G	-34.16	2.4G	-35.75	2.50086G	-44.55	21.62291G	-46.14	2
2462MHz	Pass	2.43824G	12.08	-17.92	1.65634G	-52.98	2.39952G	-48.66	2.4G	-51.23	2.50078G	-40.76	21.74653G	-47.99	1
2462MHz	Pass	2.43824G	12.08	-17.92	2.30991G	-53.69	2.39776G	-48.22	2.4G	-49.73	2.50102G	-38.60	21.54986G	-46.99	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43941G	10.81	-19.19	2.10254G	-48.63	2.4G	-34.84	2.4G	-37.94	2.5139G	-46.20	21.98815G	-42.72	1
2412MHz	Pass	2.43941G	10.81	-19.19	1.75537G	-49.45	2.39984G	-35.72	2.4G	-38.53	2.50062G	-45.64	21.90948G	-42.20	2
2437MHz	Pass	2.43941G	10.81	-19.19	2.30874G	-49.28	2.4G	-31.99	2.4G	-35.17	2.50638G	-43.32	21.79429G	-42.44	1
2437MHz	Pass	2.43941G	10.81	-19.19	1.90565G	-49.45	2.39984G	-35.41	2.4G	-34.88	2.5003G	-43.15	21.651G	-42.81	2
2462MHz	Pass	2.43941G	10.81	-19.19	1.98487G	-49.19	2.39616G	-46.09	2.4G	-49.35	2.50102G	-41.21	21.86453G	-42.75	1
2462MHz	Pass	2.43941G	10.81	-19.19	2.15846G	-49.08	2.39512G	-45.23	2.4G	-48.45	2.50126G	-40.60	21.71281G	-42.97	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	5.35	-24.65	2.30168G	-49.23	2.39968G	-30.74	2.4G	-30.24	2.50062G	-47.62	21.88694G	-43.03	1
2422MHz	Pass	2.44075G	5.35	-24.65	2.30168G	-49.75	2.4G	-26.07	2.4G	-30.94	2.50062G	-47.56	21.95985G	-41.74	2
2437MHz	Pass	2.44075G	5.35	-24.65	1.86773G	-48.41	2.39952G	-31.58	2.4G	-30.73	2.51214G	-38.33	21.94303G	-42.46	1
2437MHz	Pass	2.44075G	5.35	-24.65	2.18833G	-49.05	2.3992G	-32.40	2.4G	-30.15	2.5011G	-40.30	21.71586G	-41.26	2
2452MHz	Pass	2.44075G	5.35	-24.65	2.16199G	-49.55	2.4G	-43.62	2.4G	-45.01	2.5003G	-44.65	21.7411G	-43.04	1
2452MHz	Pass	2.44075G	5.35	-24.65	1.86429G	-49.60	2.39456G	-44.77	2.4G	-45.92	2.50142G	-43.34	21.7411G	-42.40	2

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

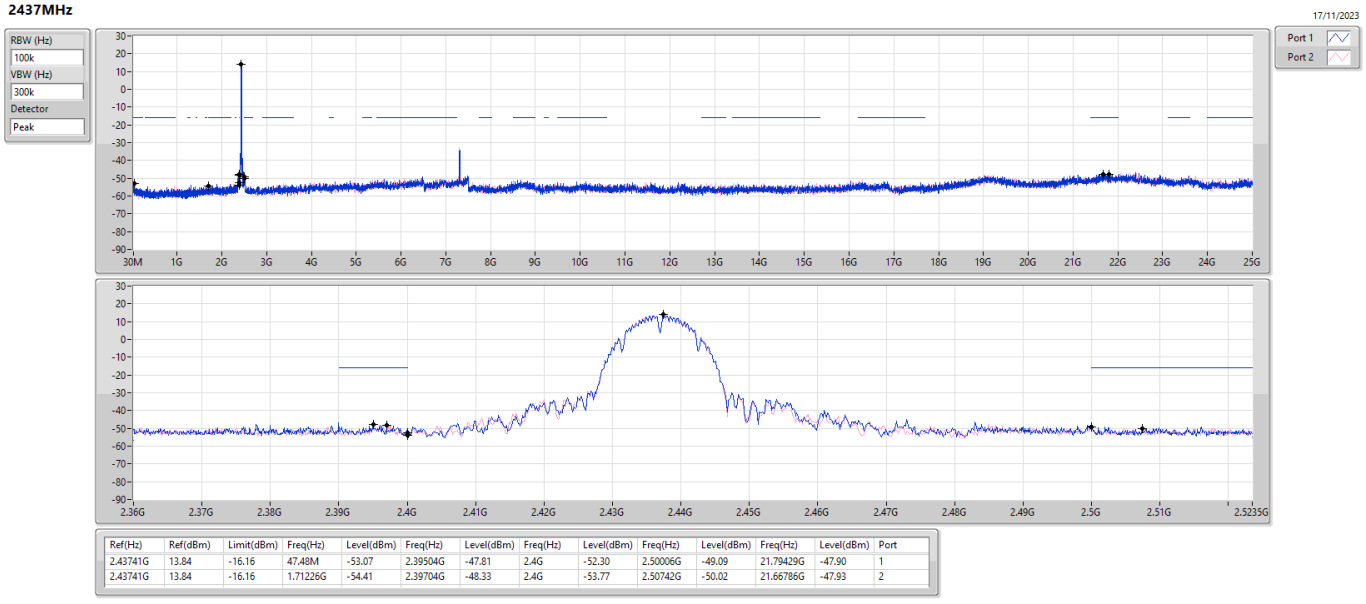
2412MHz



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
2.43741G	13.84	-16.16	61.46M	-53.17	2.4G	-31.34	2.4G	-31.41	2.50446G	-49.34	7.23233G	-35.66	1
2.43741G	13.84	-16.16	2.07458G	-53.94	2.4G	-31.95	2.4G	-32.55	2.51102G	-49.88	7.23514G	-34.30	2

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

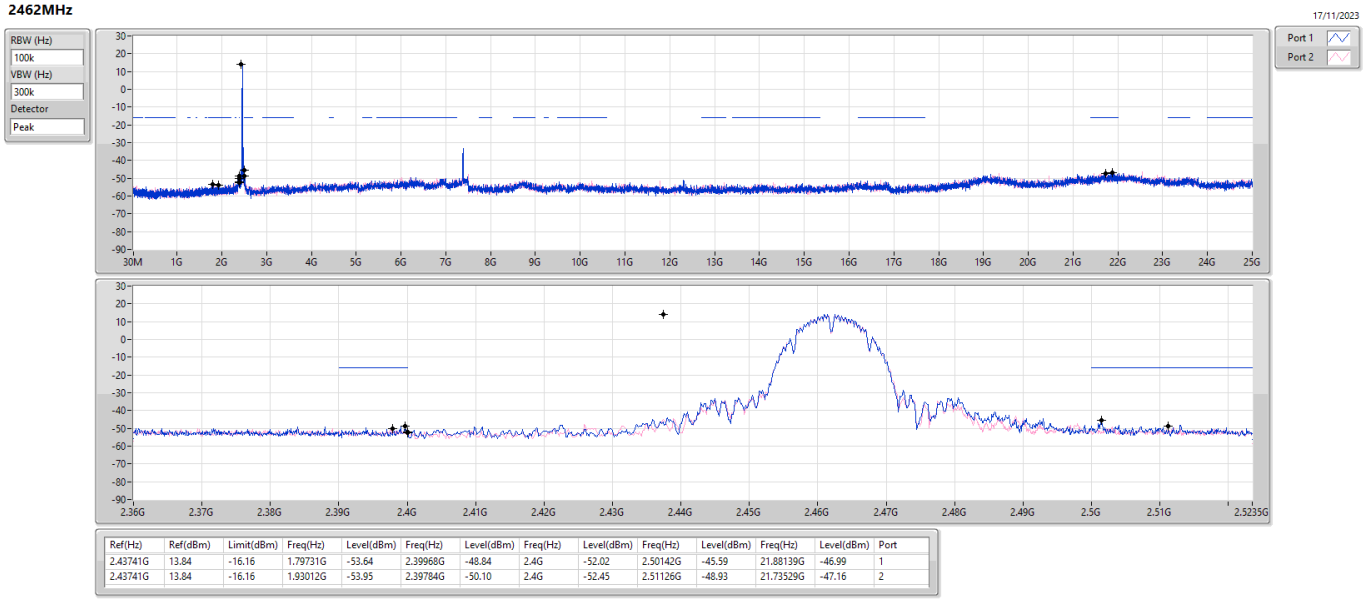
2437MHz



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
2.43741G	13.84	-16.16	47.48M	-53.07	2.39504G	-47.81	2.4G	-52.30	2.50006G	-49.09	21.79429G	-47.90	1
2.43741G	13.84	-16.16	1.71226G	-54.41	2.39704G	-48.33	2.4G	-53.77	2.50742G	-50.02	21.66786G	-47.93	2

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

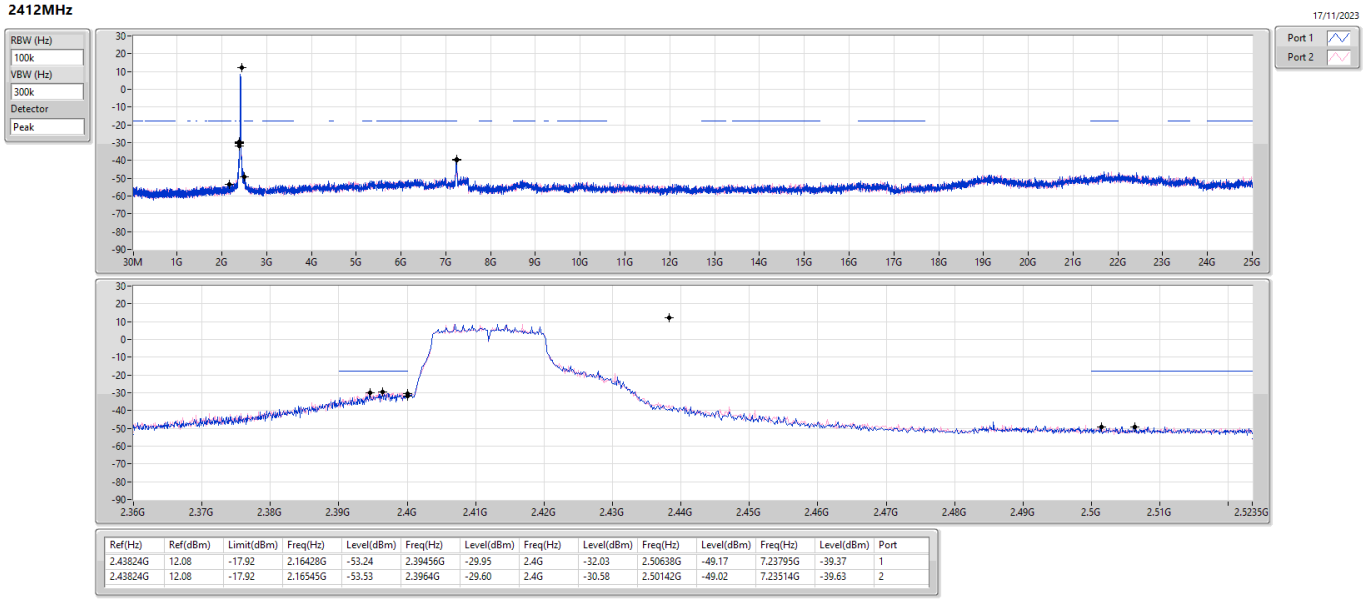
2462MHz



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
2.43741G	13.84	-16.16	1.79731G	-53.64	2.39968G	-48.84	2.4G	-52.02	2.50142G	-45.59	21.88139G	-46.99	1
2.43741G	13.84	-16.16	1.93012G	-53.95	2.39784G	-50.10	2.4G	-52.45	2.51126G	-48.93	21.73529G	-47.16	2

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

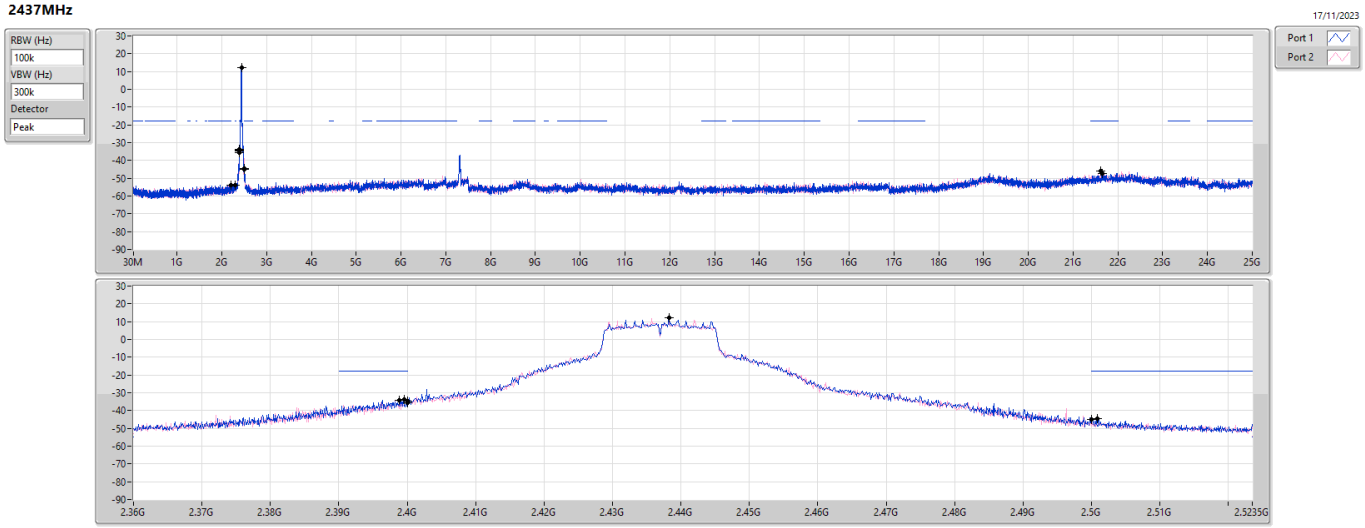
2412MHz



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
2.43824G	12.08	-17.92	2.16428G	-53.24	2.39456G	-29.95	2.4G	-32.03	2.50638G	-49.17	7.23795G	-39.37	1
2.43824G	12.08	-17.92	2.16545G	-53.53	2.3964G	-29.60	2.4G	-30.58	2.50142G	-49.02	7.23514G	-39.63	2

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

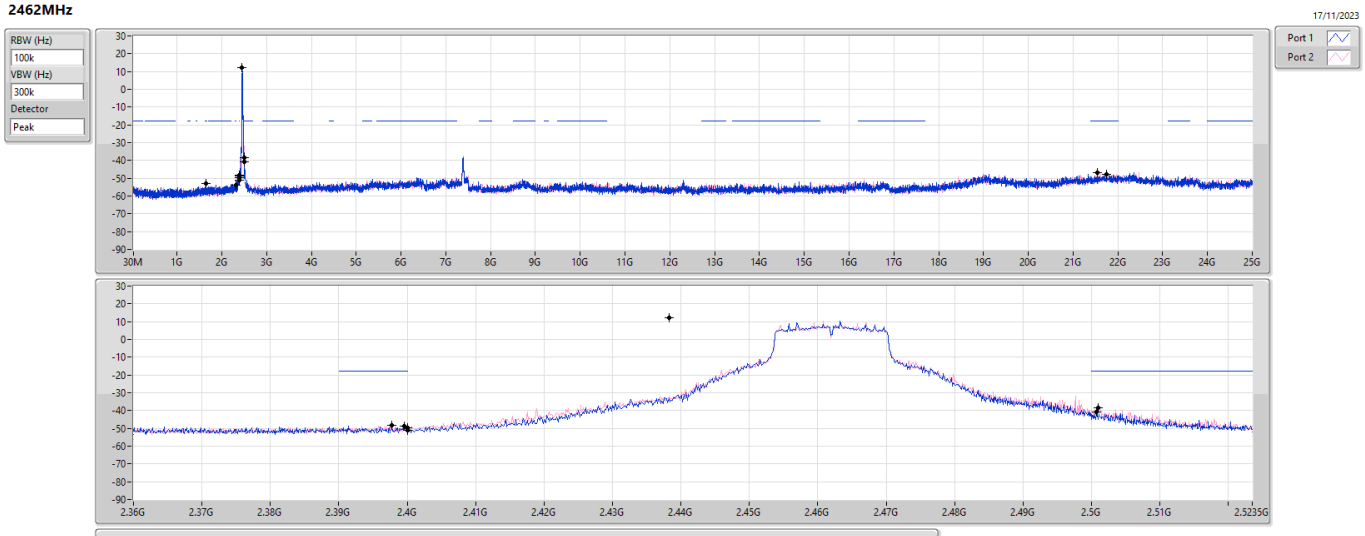
2437MHz



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
2.43824G	12.08	-17.92	2.30292G	-53.84	2.39952G	-33.77	2.4G	-34.56	2.50006G	-44.96	21.64819G	-47.11	1
2.43824G	12.08	-17.92	2.19923G	-53.75	2.39888G	-34.16	2.4G	-35.75	2.50086G	-44.55	21.62291G	-46.14	2

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

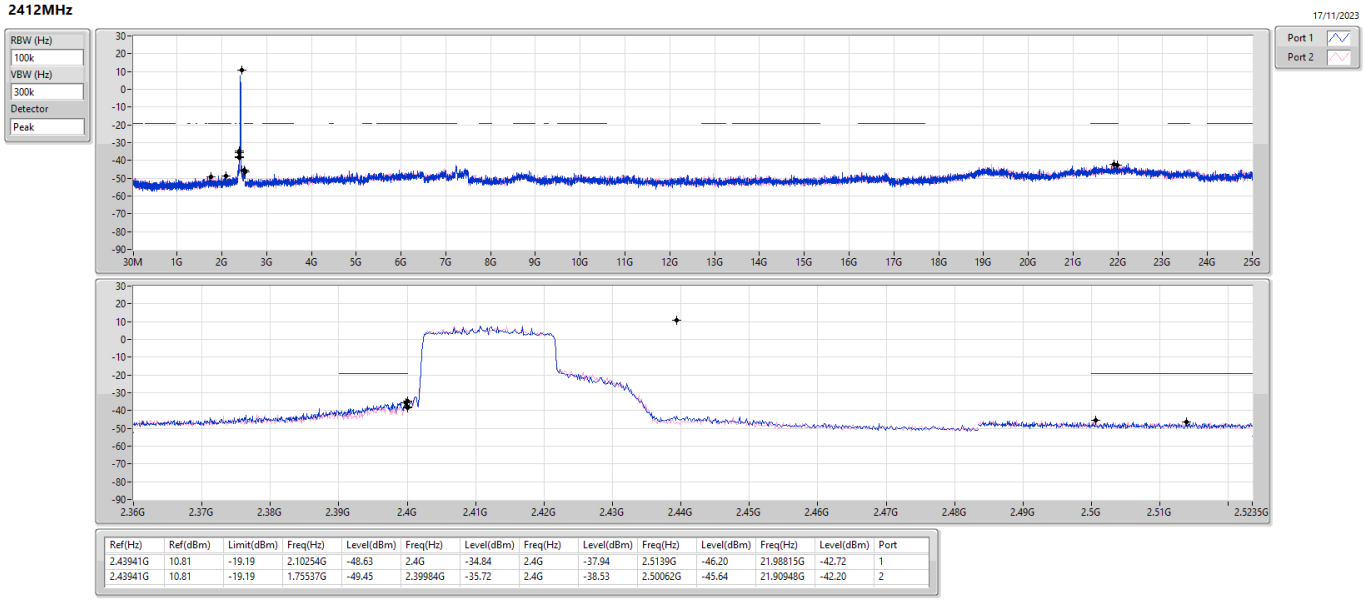
2462MHz



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
2.43824G	12.08	-17.92	1.65634G	-52.98	2.39952G	-48.66	2.4G	-51.23	2.50078G	-40.76	21.74653G	-47.99	1
2.43824G	12.08	-17.92	2.30991G	-53.69	2.39776G	-48.22	2.4G	-49.73	2.50102G	-38.60	21.54986G	-46.99	2

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

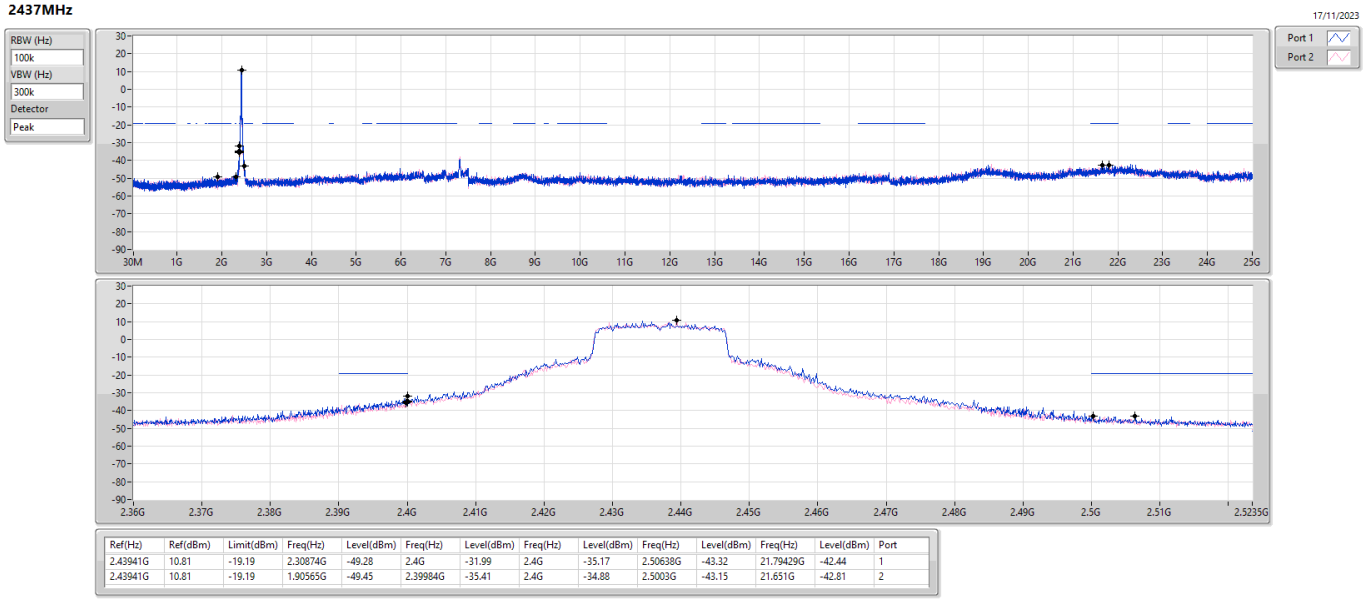
2412MHz



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
2.43941G	10.81	-19.19	2.10254G	-48.63	2.4G	-34.84	2.4G	-37.94	2.5139G	-46.20	21.98815G	-42.72	1
2.43941G	10.81	-19.19	1.75537G	-49.45	2.39984G	-35.72	2.4G	-38.53	2.50062G	-45.64	21.90948G	-42.20	2

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

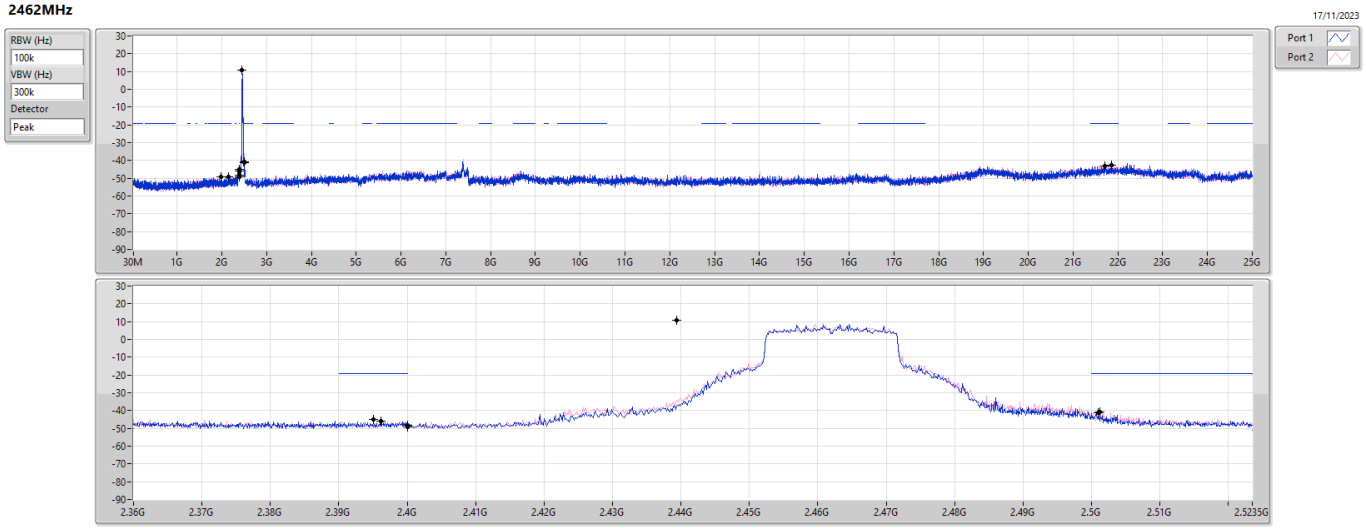
2437MHz



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
2.43941G	10.81	-19.19	2.30874G	-49.28	2.4G	-31.99	2.4G	-35.17	2.50638G	-43.32	21.79429G	-42.44	1
2.43941G	10.81	-19.19	1.90565G	-49.45	2.39984G	-35.41	2.4G	-34.88	2.5003G	-43.15	21.651G	-42.81	2

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

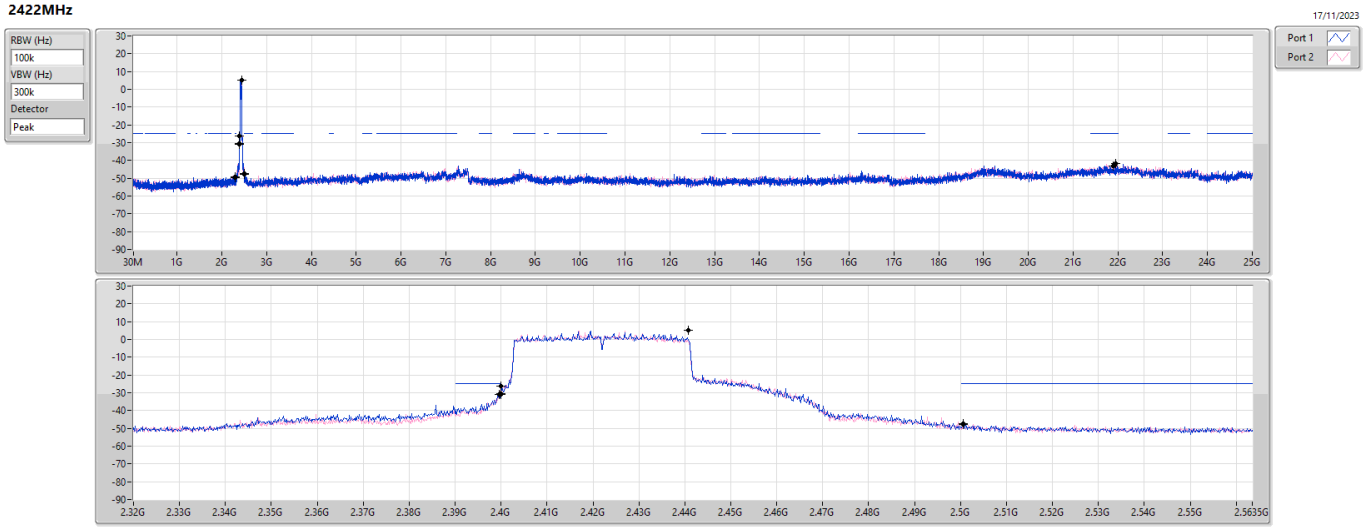
2462MHz



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
2.43941G	10.81	-19.19	1.98487G	-49.19	2.39616G	-46.09	2.4G	-49.35	2.50102G	-41.21	21.86453G	-42.75	1
2.43941G	10.81	-19.19	2.15846G	-49.08	2.39512G	-45.23	2.4G	-48.45	2.50126G	-40.60	21.71281G	-42.97	2

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

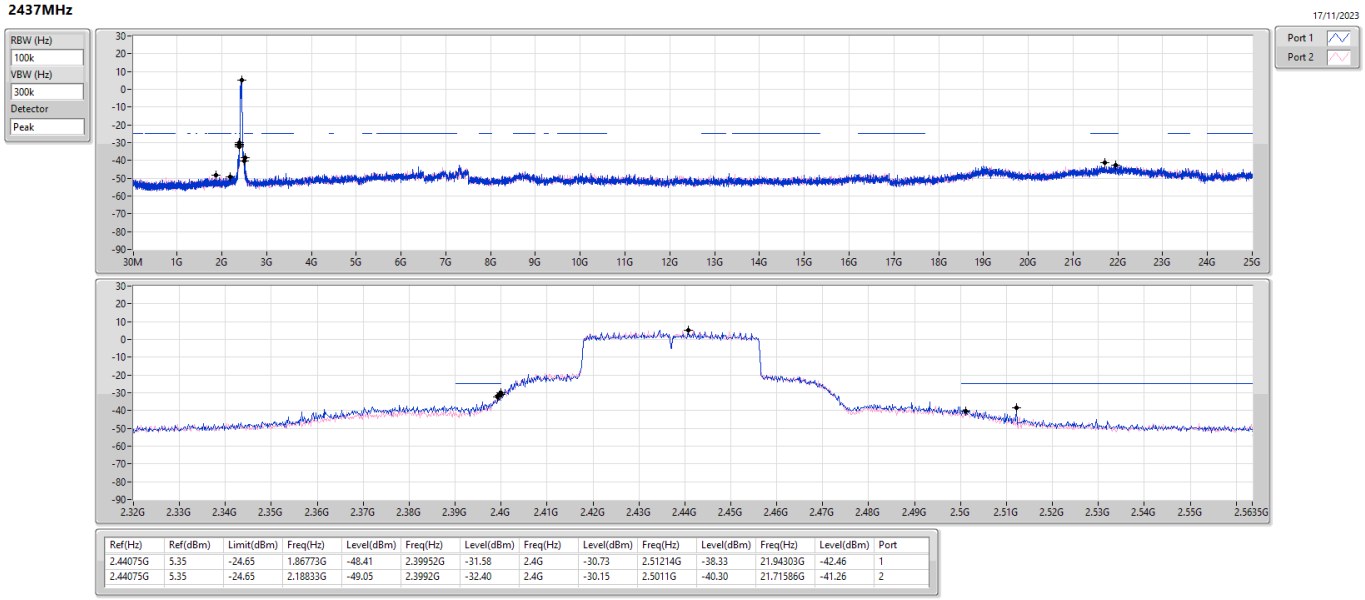
2422MHz



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
2.44075G	5.35	-24.65	2.30168G	-49.23	2.39968G	-30.74	2.4G	-30.24	2.50062G	-47.62	21.88694G	-43.03	1
2.44075G	5.35	-24.65	2.30168G	-49.75	2.4G	-26.07	2.4G	-30.94	2.50062G	-47.56	21.95985G	-41.74	2

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

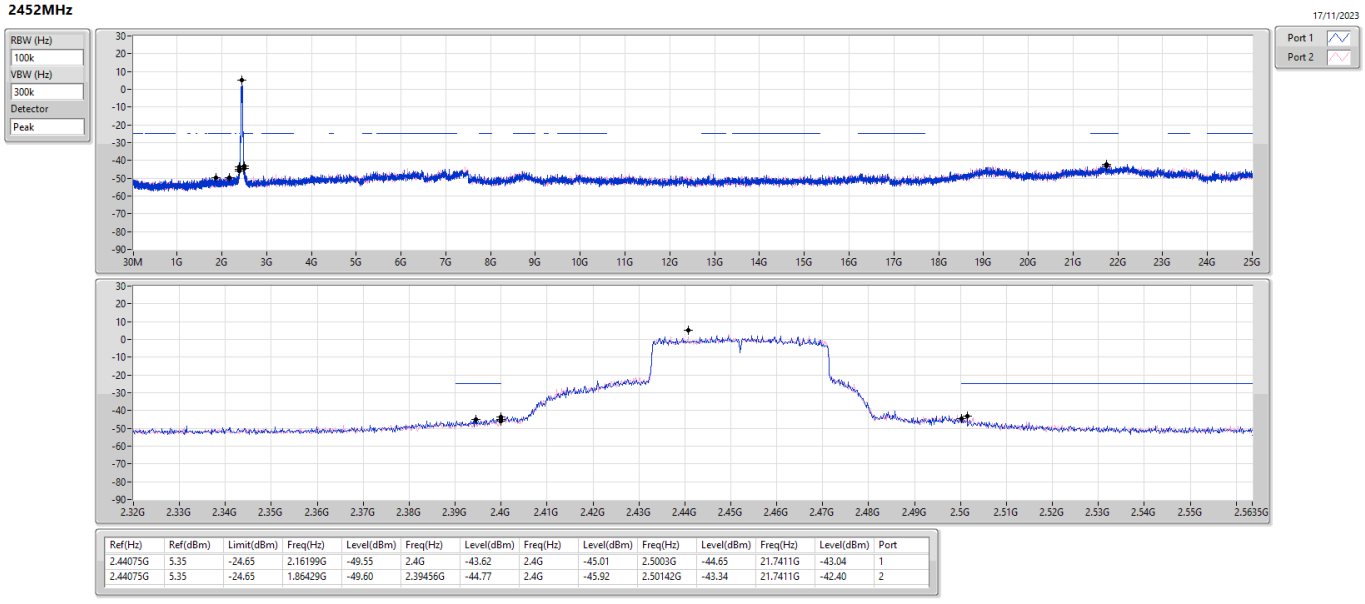
2437MHz



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
2.44075G	5.35	-24.65	1.86773G	-48.41	2.39952G	-31.58	2.4G	-30.73	2.51214G	-38.33	21.94303G	-42.46	1
2.44075G	5.35	-24.65	2.18833G	-49.05	2.3992G	-32.40	2.4G	-30.15	2.5011G	-40.30	21.71586G	-41.26	2

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

2452MHz

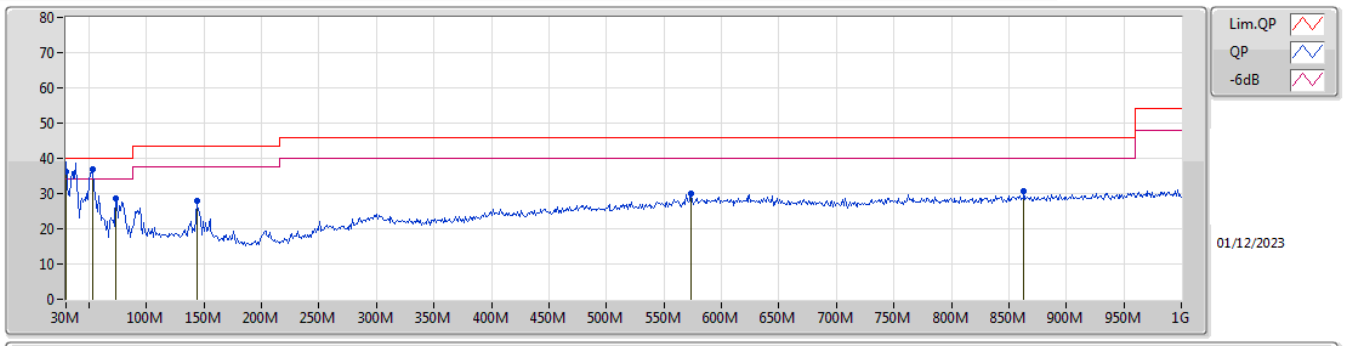


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	5.35	-24.65	2.16199G	-49.55	2.4G	-43.62	2.4G	-45.01	2.5003G	-44.65	21.7411G	-43.04	1
2.44075G	5.35	-24.65	1.86429G	-49.60	2.39456G	-44.77	2.4G	-45.92	2.50142G	-43.34	21.7411G	-42.40	2

Summary

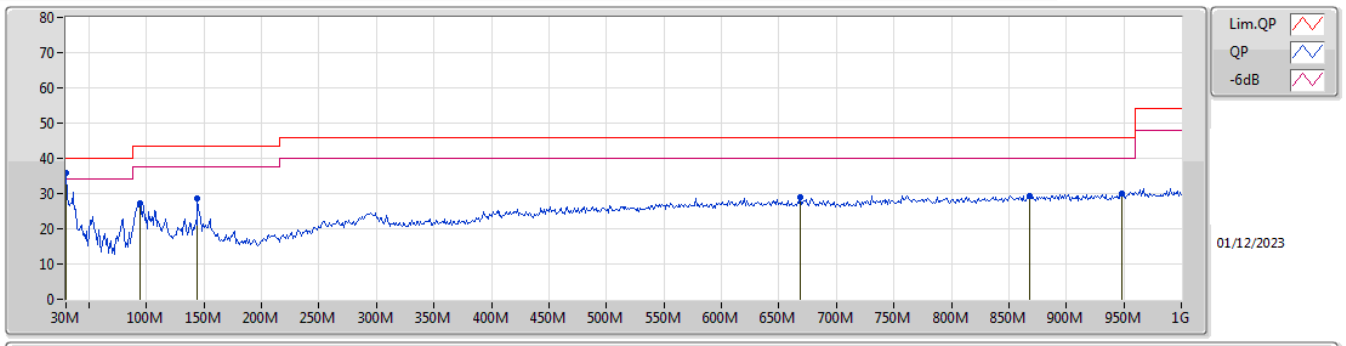
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	53.28M	36.87	40.00	-3.13	Vertical

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	30M	36.22	40.00	-3.78	-2.58	3	Vertical	77	3.00	-	38.80	25.28	0.63	28.49
PK	53.28M	36.87	40.00	-3.13	-14.58	3	Vertical	357	1.00	"Worst"	51.45	13.19	0.84	28.61
PK	73.65M	28.65	40.00	-11.35	-15.23	3	Vertical	210	1.50	-	43.88	12.35	0.97	28.55
PK	143.49M	27.80	43.50	-15.70	-10.02	3	Vertical	197	1.00	-	37.82	16.94	1.37	28.33
PK	573.2M	29.83	46.00	-16.17	-1.71	3	Vertical	146	1.00	-	31.54	24.79	2.86	29.36
PK	863.23M	30.81	46.00	-15.19	0.88	3	Vertical	90	1.25	-	29.93	26.32	3.52	28.96

Mode 2



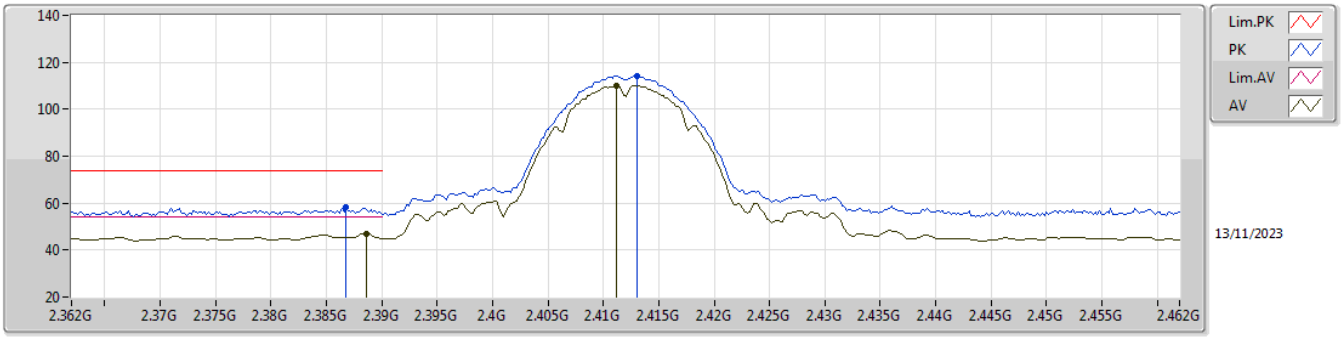
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	30M	36.02	40.00	-3.98	-2.58	3	Horizontal	0	2.00	"Worst"	38.60	25.28	0.63	28.49
PK	94.02M	27.35	43.50	-16.15	-11.68	3	Horizontal	94	2.00	-	39.03	15.72	1.10	28.50
PK	144.46M	28.74	43.50	-14.76	-10.08	3	Horizontal	116	2.00	-	38.82	16.87	1.38	28.33
PK	668.26M	28.89	46.00	-17.11	-0.99	3	Horizontal	215	3.00	-	29.88	25.26	3.09	29.34
PK	868.08M	29.41	46.00	-16.59	0.93	3	Horizontal	101	1.25	-	28.48	26.34	3.53	28.94
PK	948.59M	29.88	46.00	-16.12	1.95	3	Horizontal	19	1.50	-	27.93	26.84	3.69	28.58

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	AV	2.4992G	53.05	54.00	-0.95	3	Vertical	169	1.41	-

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

2412MHz_TX

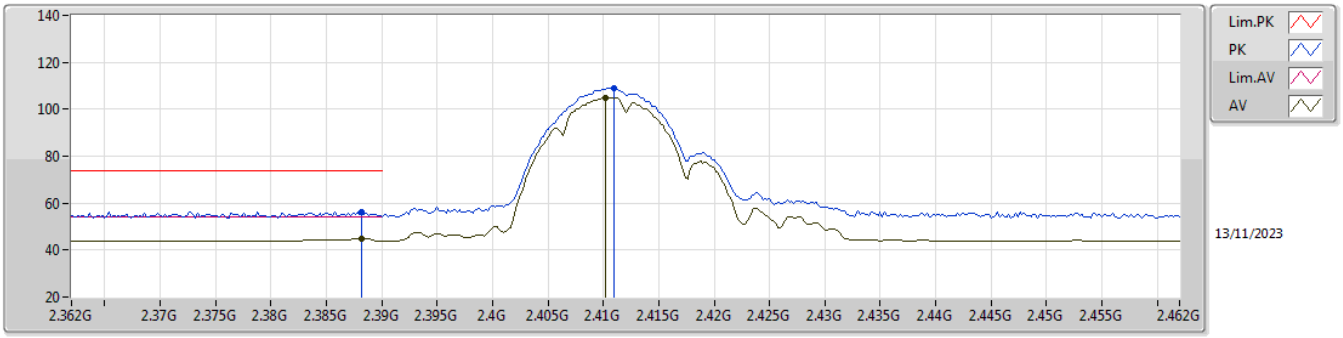


EUT Y_2TX
Setting 16
03-C-P-5

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	2.3868G	58.22	74.00	-15.78	26.45	3	Vertical	145	1.89	-	28.20	3.57	-
AV	2.3886G	47.12	54.00	-6.88	15.35	3	Vertical	145	1.89	-	28.20	3.57	-
PK	2.413G	114.23	Inf	-Inf	82.44	3	Vertical	145	1.89	-	28.20	3.59	-
AV	2.4112G	110.17	Inf	-Inf	78.38	3	Vertical	145	1.89	-	28.20	3.59	-

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

2412MHz_TX

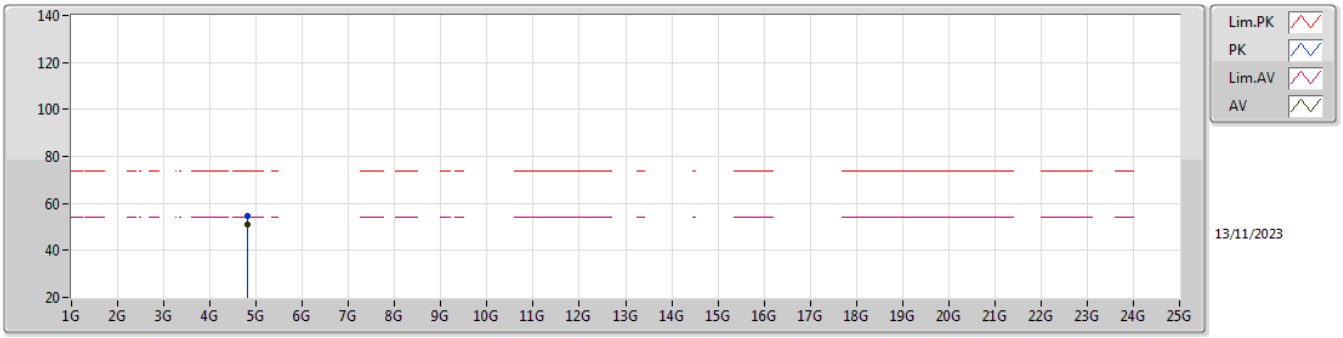


EUT Y_2TX
Setting 16
03-C-P-5

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	2.3882G	56.44	74.00	-17.56	24.67	3	Horizontal	176	2.05	-	28.20	3.57	-
AV	2.3882G	44.84	54.00	-9.16	13.07	3	Horizontal	176	2.05	-	28.20	3.57	-
PK	2.411G	108.89	Inf	-Inf	77.10	3	Horizontal	176	2.05	-	28.20	3.59	-
AV	2.4102G	104.95	Inf	-Inf	73.16	3	Horizontal	176	2.05	-	28.20	3.59	-

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

2412MHz_TX

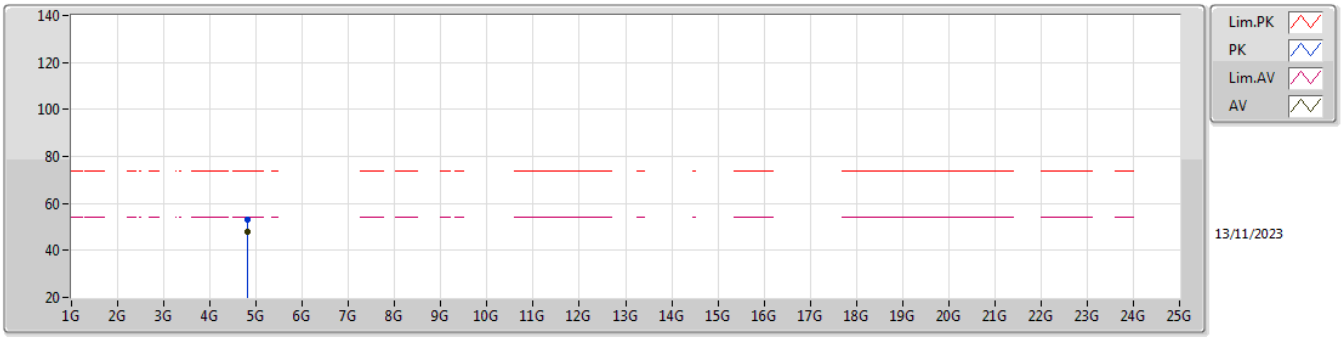


EUT Y_2TX
Setting 16
03-C-P-5

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	4.824G	54.43	74.00	-19.57	49.39	3	Vertical	30	2.04	-	33.40	6.33	34.69
AV	4.82396G	51.08	54.00	-2.92	46.04	3	Vertical	30	2.04	-	33.40	6.33	34.69

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

2412MHz_TX

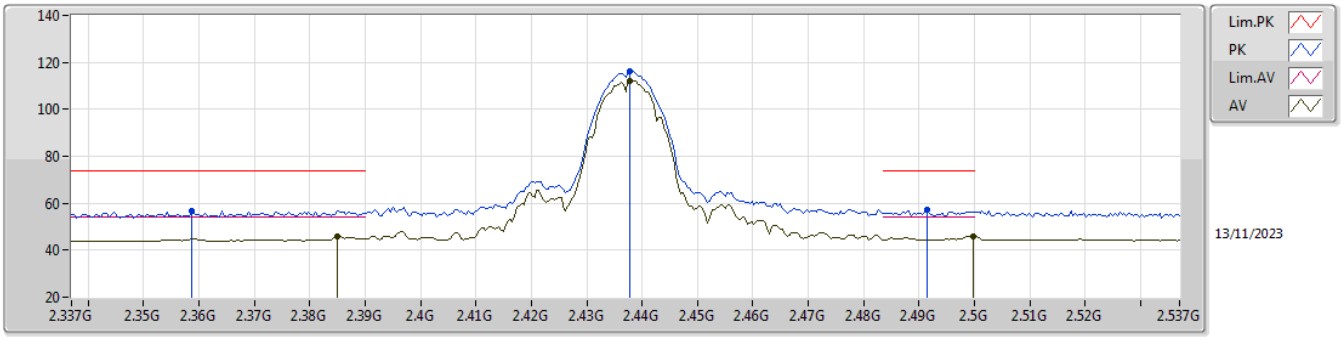


EUT Y_2TX
Setting 16
03-C-P-5

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	4.82384G	52.99	74.00	-21.01	47.95	3	Horizontal	52	2.32	-	33.40	6.33	34.69
AV	4.82396G	48.10	54.00	-5.90	43.06	3	Horizontal	52	2.32	-	33.40	6.33	34.69

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

2437MHz_TX

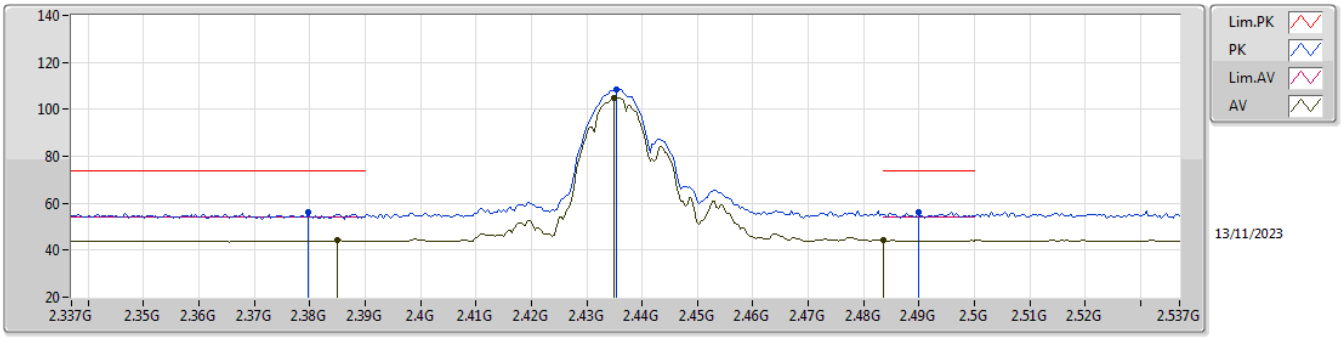


EUT Y_2TX
Setting 17
03-C-P-5

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	2.3586G	56.79	74.00	-17.21	25.04	3	Vertical	160	1.48	-	28.20	3.55	-
AV	2.385G	45.96	54.00	-8.04	14.19	3	Vertical	160	1.48	-	28.20	3.57	-
PK	2.4378G	116.10	Inf	-Inf	84.29	3	Vertical	160	1.48	-	28.20	3.61	-
AV	2.4378G	111.96	Inf	-Inf	80.15	3	Vertical	160	1.48	-	28.20	3.61	-
PK	2.4914G	57.07	74.00	-16.93	24.97	3	Vertical	160	1.48	-	28.45	3.65	-
AV	2.4998G	45.83	54.00	-8.17	13.68	3	Vertical	160	1.48	-	28.50	3.65	-

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

2437MHz_TX

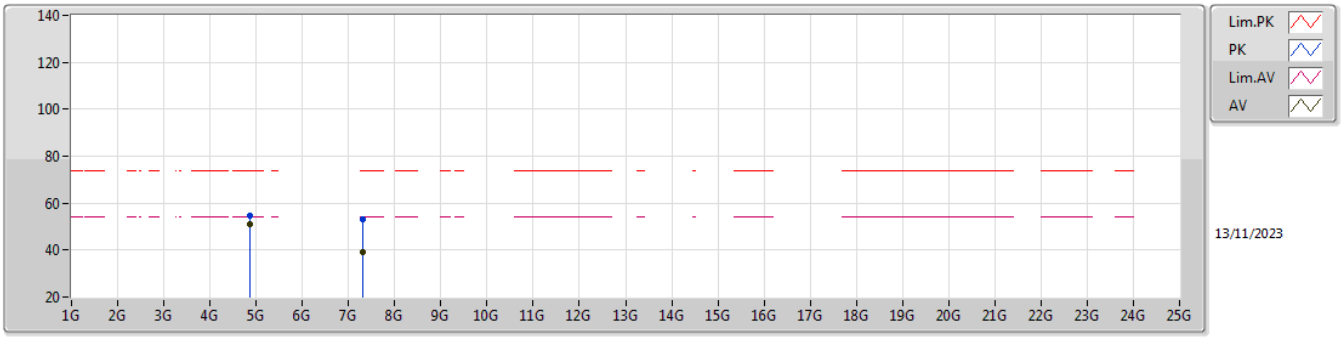


EUT Y_2TX
Setting 17
03-C-P-5

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	2.3798G	56.36	74.00	-17.64	24.60	3	Horizontal	175	2.02	-	28.20	3.56	-
AV	2.385G	44.21	54.00	-9.79	12.44	3	Horizontal	175	2.02	-	28.20	3.57	-
PK	2.4354G	108.53	Inf	-Inf	76.72	3	Horizontal	175	2.02	-	28.20	3.61	-
AV	2.435G	104.81	Inf	-Inf	73.00	3	Horizontal	175	2.02	-	28.20	3.61	-
PK	2.4898G	56.20	74.00	-17.80	24.11	3	Horizontal	175	2.02	-	28.44	3.65	-
AV	2.4835G	44.24	54.00	-9.76	12.20	3	Horizontal	175	2.02	-	28.40	3.64	-

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

2437MHz_TX

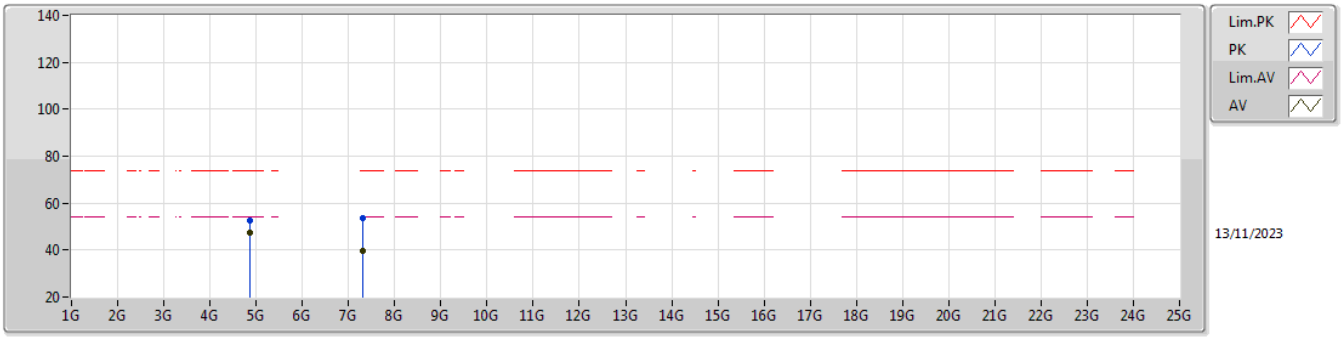


EUT Y_2TX
Setting 17
03-C-P-5

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	4.87404G	54.60	74.00	-19.40	49.34	3	Vertical	28	2.11	-	33.54	6.45	34.73
AV	4.87396G	51.02	54.00	-2.98	45.76	3	Vertical	28	2.11	-	33.54	6.45	34.73
PK	7.30428G	53.17	74.00	-20.83	42.46	3	Vertical	36	1.49	-	36.81	9.28	35.38
AV	7.31224G	38.89	54.00	-15.11	28.17	3	Vertical	36	1.49	-	36.82	9.28	35.38

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

2437MHz_TX

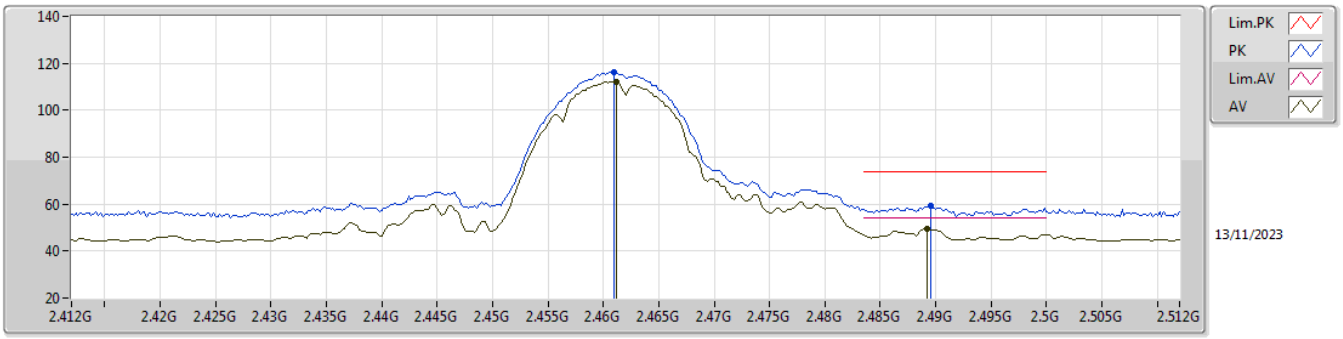


EUT Y_2TX
Setting 17
03-C-P-5

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	4.87396G	52.47	74.00	-21.53	47.21	3	Horizontal	53	1.66	-	33.54	6.45	34.73
AV	4.87396G	47.43	54.00	-6.57	42.17	3	Horizontal	53	1.66	-	33.54	6.45	34.73
PK	7.31284G	53.70	74.00	-20.30	42.97	3	Horizontal	20	1.49	-	36.83	9.28	35.38
AV	7.31248G	39.73	54.00	-14.27	29.01	3	Horizontal	20	1.49	-	36.82	9.28	35.38

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

2462MHz_TX

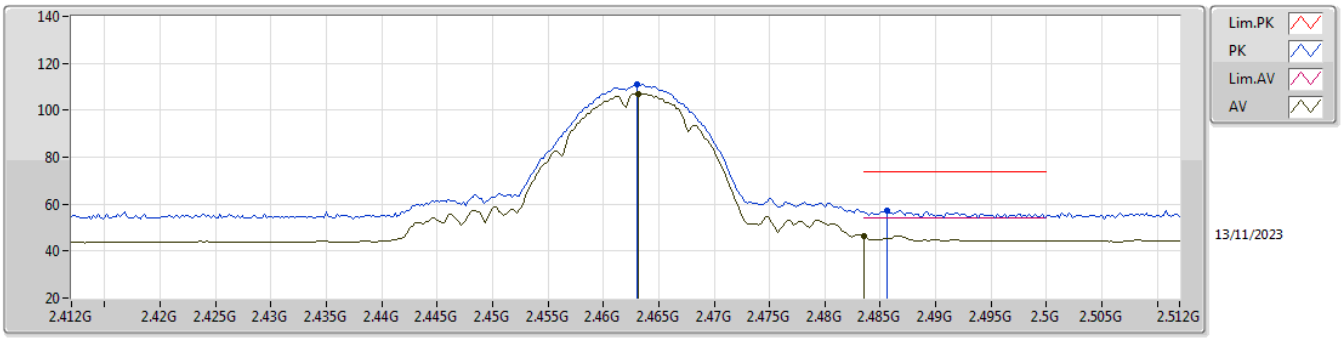


EUT Y_2TX
Setting 17
03-C-P-5

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	2.461G	116.28	Inf	-Inf	84.38	3	Vertical	332	1.43	-	28.27	3.63	-
AV	2.4612G	112.16	Inf	-Inf	80.26	3	Vertical	332	1.43	-	28.27	3.63	-
PK	2.4896G	59.12	74.00	-14.88	27.03	3	Vertical	332	1.43	-	28.44	3.65	-
AV	2.4892G	49.60	54.00	-4.40	17.51	3	Vertical	332	1.43	-	28.44	3.65	-

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

2462MHz_TX

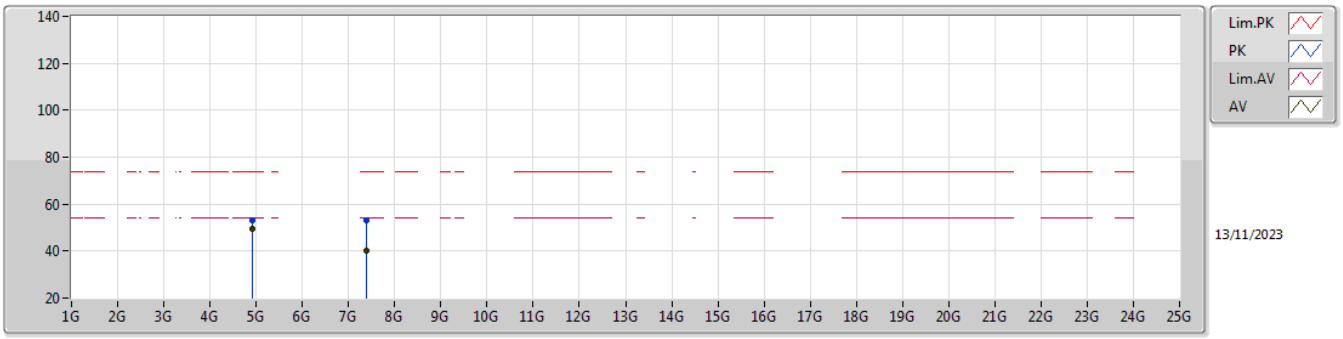


EUT Y_2TX
Setting 17
03-C-P-5

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	2.463G	111.14	Inf	-Inf	79.23	3	Horizontal	178	3.00	-	28.28	3.63	-
AV	2.4632G	107.09	Inf	-Inf	75.18	3	Horizontal	178	3.00	-	28.28	3.63	-
PK	2.4856G	57.50	74.00	-16.50	25.45	3	Horizontal	178	3.00	-	28.41	3.64	-
AV	2.4835G	46.45	54.00	-7.55	14.41	3	Horizontal	178	3.00	-	28.40	3.64	-

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

2462MHz_TX

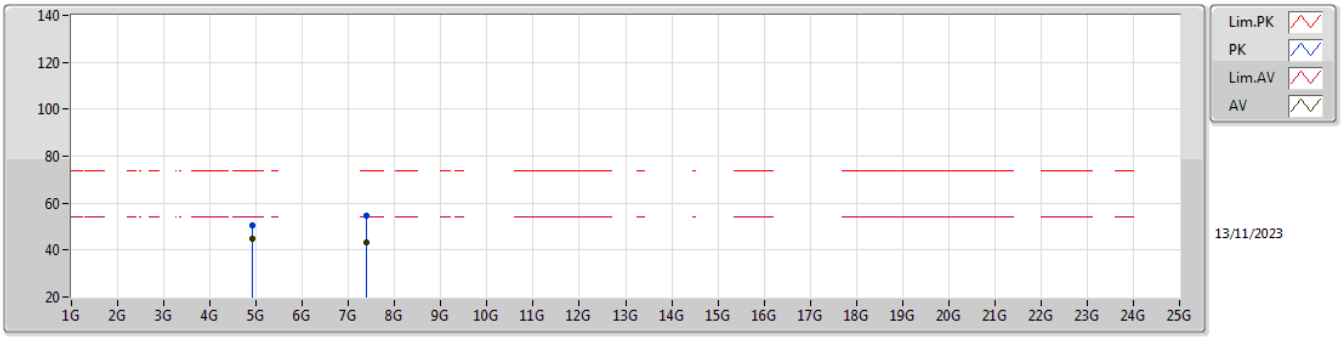


EUT Y_2TX
Setting 17
03-C-P-5

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	4.92404G	53.32	74.00	-20.68	47.87	3	Vertical	30	1.85	-	33.65	6.57	34.77
AV	4.92396G	49.49	54.00	-4.51	44.04	3	Vertical	30	1.85	-	33.65	6.57	34.77
PK	7.38024G	53.29	74.00	-20.71	42.39	3	Vertical	360	1.29	-	36.90	9.34	35.34
AV	7.38468G	40.37	54.00	-13.63	29.47	3	Vertical	360	1.29	-	36.90	9.34	35.34

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

2462MHz_TX

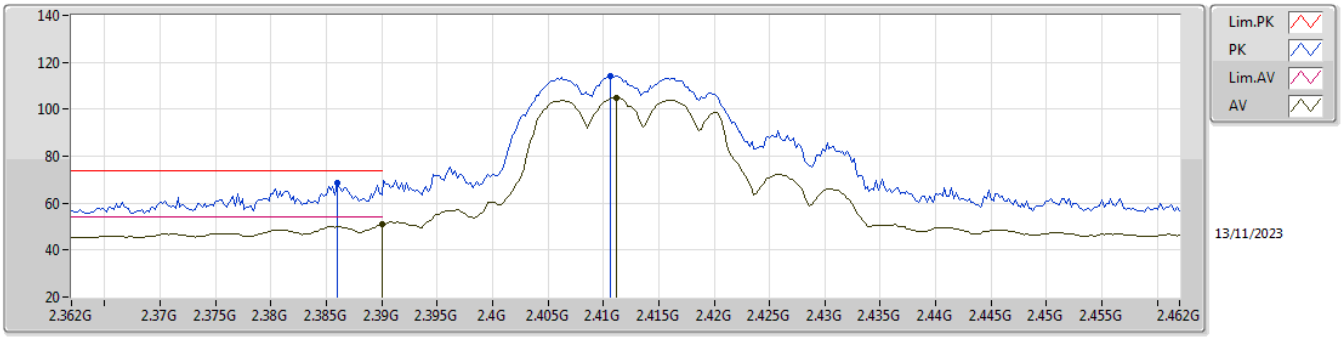


EUT Y_2TX
Setting 17
03-C-P-5

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	4.9238G	50.39	74.00	-23.61	44.94	3	Horizontal	51	1.64	-	33.65	6.57	34.77
AV	4.92396G	44.79	54.00	-9.21	39.34	3	Horizontal	51	1.64	-	33.65	6.57	34.77
PK	7.3856G	54.91	74.00	-19.09	44.01	3	Horizontal	91.6	1.59	-	36.90	9.34	35.34
AV	7.38464G	43.30	54.00	-10.70	32.40	3	Horizontal	91.6	1.59	-	36.90	9.34	35.34

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

2412MHz_TX

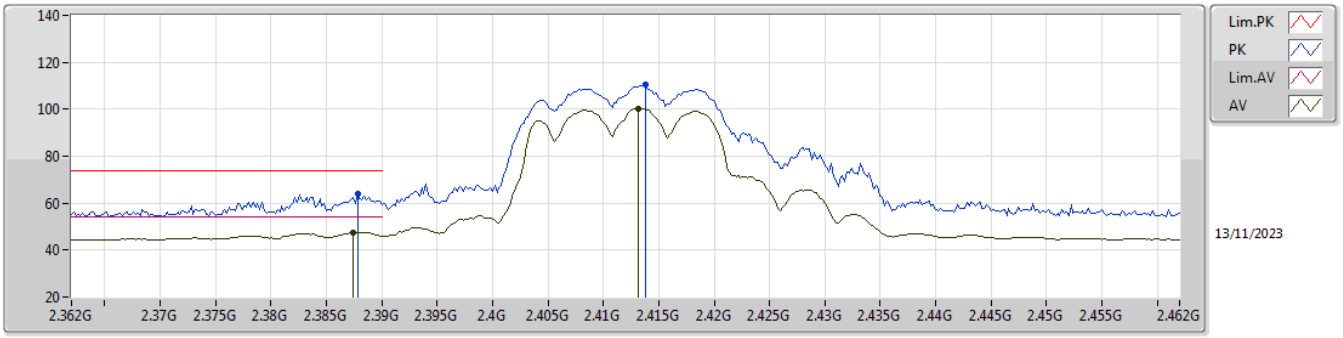


EUT Y_2TX
Setting 16
03-C-P-5

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	2.386G	68.55	74.00	-5.45	36.78	3	Vertical	0	1.28	-	28.20	3.57	-
AV	2.39G	51.16	54.00	-2.84	19.39	3	Vertical	0	1.28	-	28.20	3.57	-
PK	2.4106G	114.22	Inf	-Inf	82.43	3	Vertical	0	1.28	-	28.20	3.59	-
AV	2.4112G	104.87	Inf	-Inf	73.08	3	Vertical	0	1.28	-	28.20	3.59	-

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

2412MHz_TX

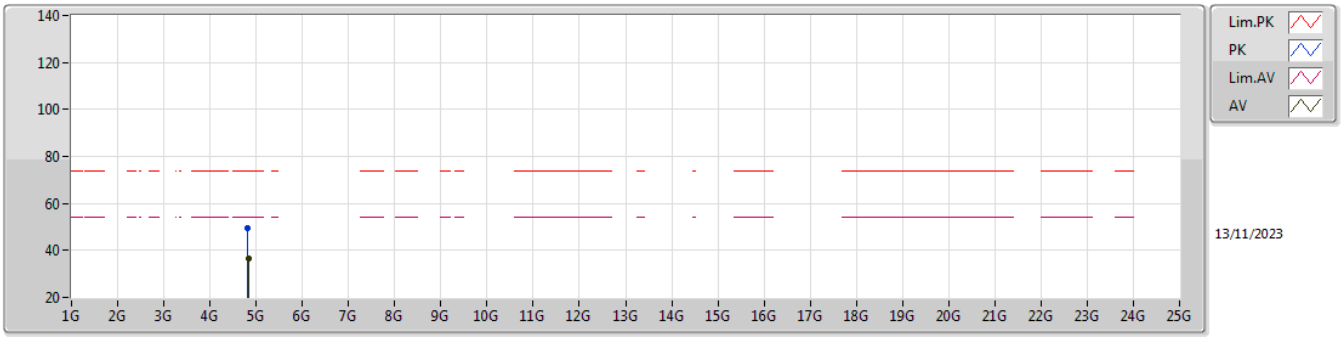


EUT Y_2TX
Setting 16
03-C-P-5

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	2.3878G	64.00	74.00	-10.00	32.23	3	Horizontal	174	2.06	-	28.20	3.57	-
AV	2.3874G	47.49	54.00	-6.51	15.72	3	Horizontal	174	2.06	-	28.20	3.57	-
PK	2.4138G	110.49	Inf	-Inf	78.70	3	Horizontal	174	2.06	-	28.20	3.59	-
AV	2.4132G	100.35	Inf	-Inf	68.56	3	Horizontal	174	2.06	-	28.20	3.59	-

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

2412MHz_TX

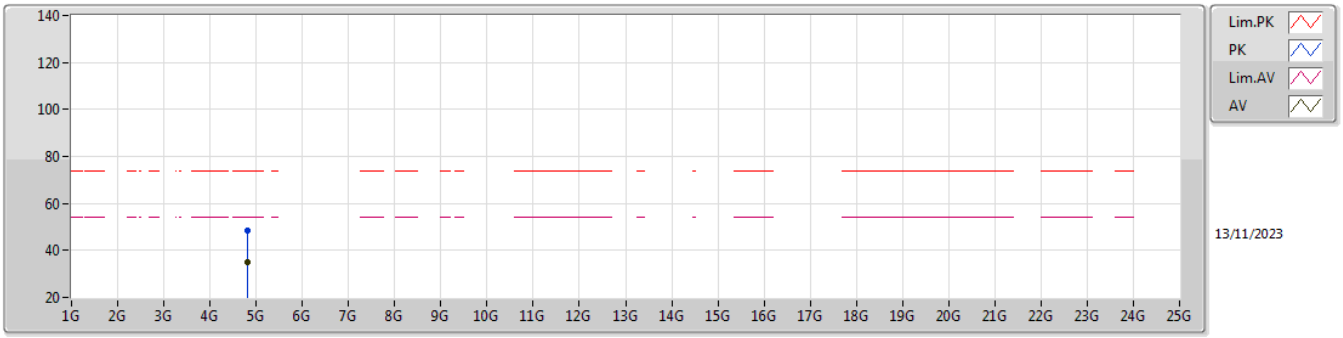


EUT Y_2TX
Setting 16
03-C-P-5

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	4.81964G	49.59	74.00	-24.41	44.56	3	Vertical	201	1.80	-	33.40	6.32	34.69
AV	4.82496G	36.41	54.00	-17.59	31.37	3	Vertical	201	1.80	-	33.40	6.33	34.69

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

2412MHz_TX

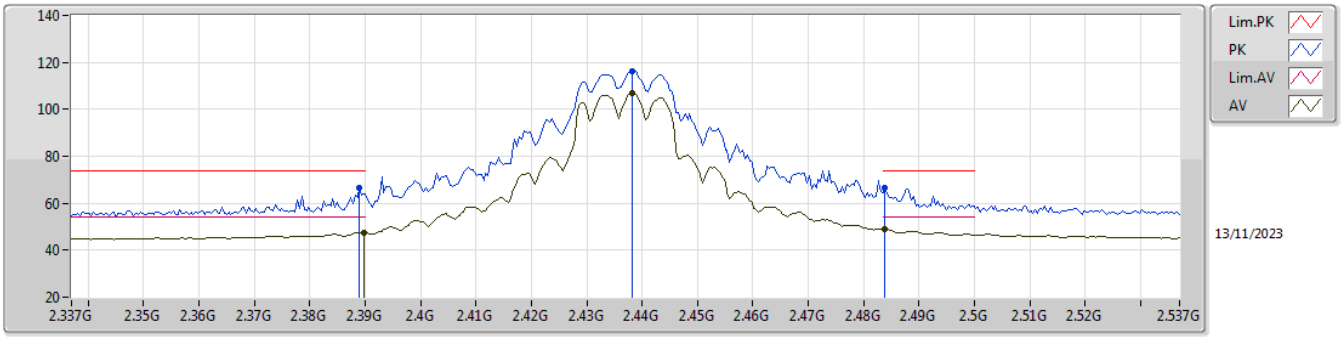


EUT Y_2TX
Setting 16
03-C-P-5

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	4.81912G	48.61	74.00	-25.39	43.58	3	Horizontal	52	1.72	-	33.40	6.32	34.69
AV	4.82432G	35.10	54.00	-18.90	30.06	3	Horizontal	52	1.72	-	33.40	6.33	34.69

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

2437MHz_TX

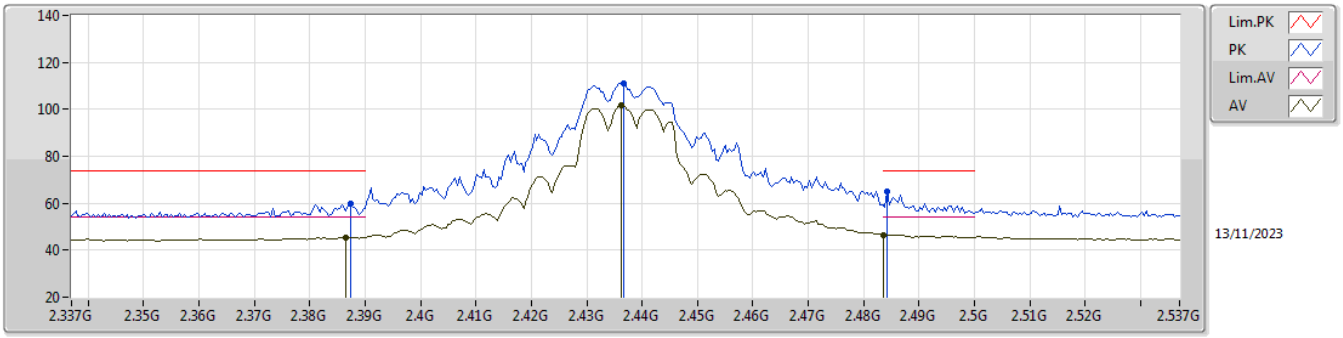


EUT Y_2TX
Setting 18.5
03-C-P-5

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	2.389G	66.55	74.00	-7.45	34.78	3	Vertical	349	1.85	-	28.20	3.57	-
AV	2.3898G	47.67	54.00	-6.33	15.90	3	Vertical	349	1.85	-	28.20	3.57	-
PK	2.4382G	116.31	Inf	-Inf	84.50	3	Vertical	349	1.85	-	28.20	3.61	-
AV	2.4382G	107.02	Inf	-Inf	75.21	3	Vertical	349	1.85	-	28.20	3.61	-
PK	2.4838G	66.38	74.00	-7.62	34.34	3	Vertical	349	1.85	-	28.40	3.64	-
AV	2.4838G	49.00	54.00	-5.00	16.96	3	Vertical	349	1.85	-	28.40	3.64	-

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

2437MHz_TX

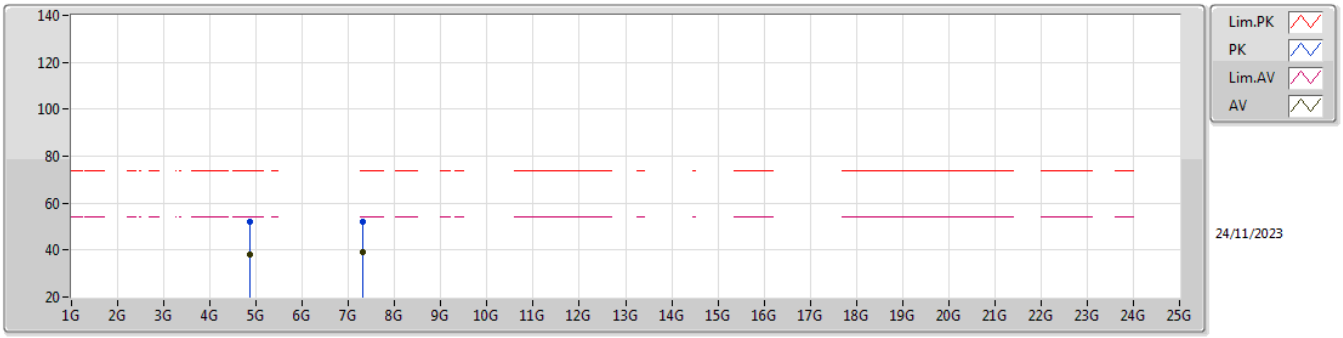


EUT Y_2TX
Setting 18.5
03-C-P-5

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	2.3874G	59.87	74.00	-14.13	28.10	3	Horizontal	160	1.82	-	28.20	3.57	-
AV	2.3866G	45.49	54.00	-8.51	13.72	3	Horizontal	160	1.82	-	28.20	3.57	-
PK	2.4366G	111.20	Inf	-Inf	79.39	3	Horizontal	160	1.82	-	28.20	3.61	-
AV	2.4362G	101.80	Inf	-Inf	69.99	3	Horizontal	160	1.82	-	28.20	3.61	-
PK	2.4842G	65.14	74.00	-8.86	33.09	3	Horizontal	160	1.82	-	28.41	3.64	-
AV	2.4835G	46.51	54.00	-7.49	14.47	3	Horizontal	160	1.82	-	28.40	3.64	-

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

2437MHz_TX

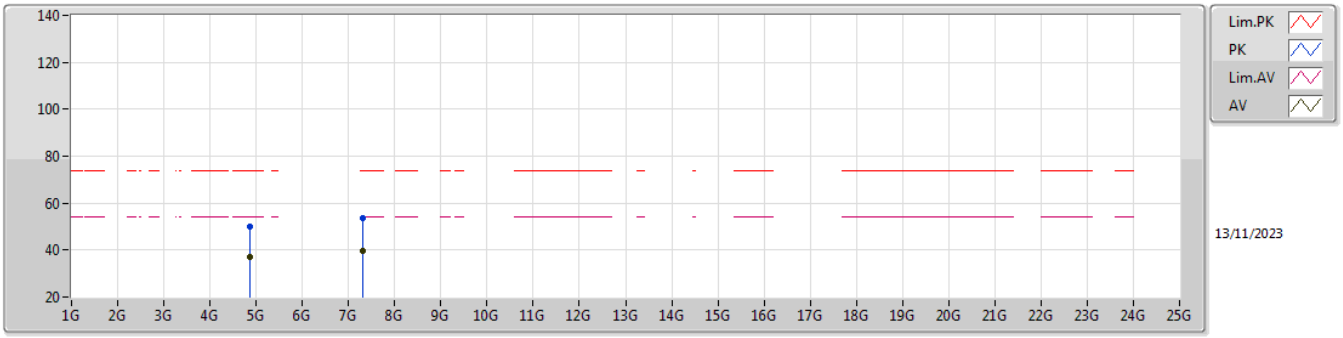


EUT Y_2TX
Setting 18.5
05-M-E-5

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	4.87454G	52.02	74.00	-21.98	47.73	3	Vertical	26	1.80	-	32.70	7.18	35.59
AV	4.87412G	38.27	54.00	-15.73	33.98	3	Vertical	26	1.80	-	32.70	7.18	35.59
PK	7.31796G	51.82	74.00	-22.18	41.14	3	Vertical	317	1.80	-	36.83	8.61	34.76
AV	7.296G	39.37	54.00	-14.63	28.65	3	Vertical	317	1.80	-	36.92	8.60	34.80

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

2437MHz_TX

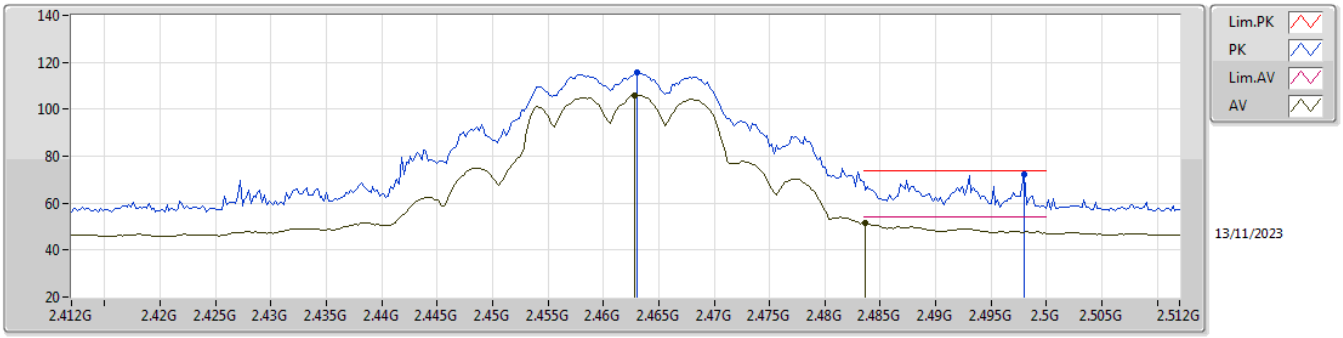


EUT Y_2TX
Setting 18.5
05-M-E-5

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	4.87448G	50.12	74.00	-23.88	45.83	3	Horizontal	45	1.80	-	32.70	7.18	35.59
AV	4.87448G	37.04	54.00	-16.96	32.75	3	Horizontal	45	1.80	-	32.70	7.18	35.59
PK	7.30572G	53.73	74.00	-20.27	43.03	3	Horizontal	96	1.80	-	36.88	8.60	34.78
AV	7.30986G	39.80	54.00	-14.20	29.12	3	Horizontal	96	1.80	-	36.86	8.60	34.78

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

2462MHz_TX

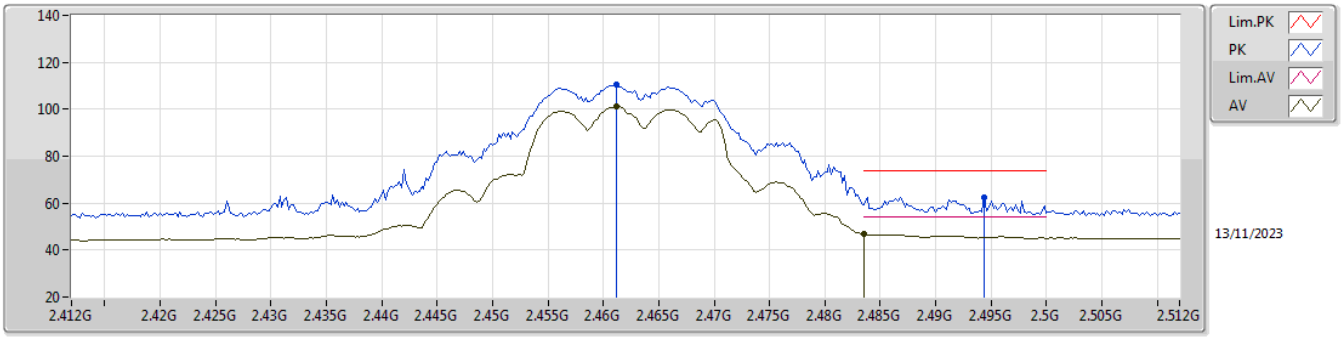


EUT Y_2TX
Setting 17
03-C-P-5

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	2.463G	115.47	Inf	-Inf	83.56	3	Vertical	340	1.42	-	28.28	3.63	-
AV	2.4628G	106.02	Inf	-Inf	74.11	3	Vertical	340	1.42	-	28.28	3.63	-
PK	2.498G	72.25	74.00	-1.75	40.11	3	Vertical	340	1.42	-	28.49	3.65	-
AV	2.4836G	51.81	54.00	-2.19	19.77	3	Vertical	340	1.42	-	28.40	3.64	-

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

2462MHz_TX

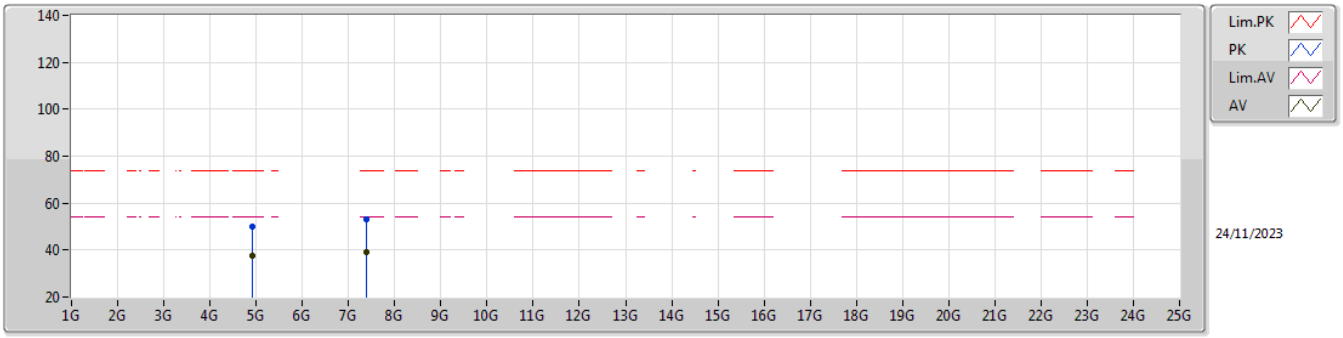


EUT Y_2TX
Setting 17
03-C-P-5

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	2.4612G	110.40	Inf	-Inf	78.50	3	Horizontal	179	3.00	-	28.27	3.63	-
AV	2.4612G	101.09	Inf	-Inf	69.19	3	Horizontal	179	3.00	-	28.27	3.63	-
PK	2.4944G	62.59	74.00	-11.41	30.47	3	Horizontal	179	3.00	-	28.47	3.65	-
AV	2.4835G	46.65	54.00	-7.35	14.61	3	Horizontal	179	3.00	-	28.40	3.64	-

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

2462MHz_TX

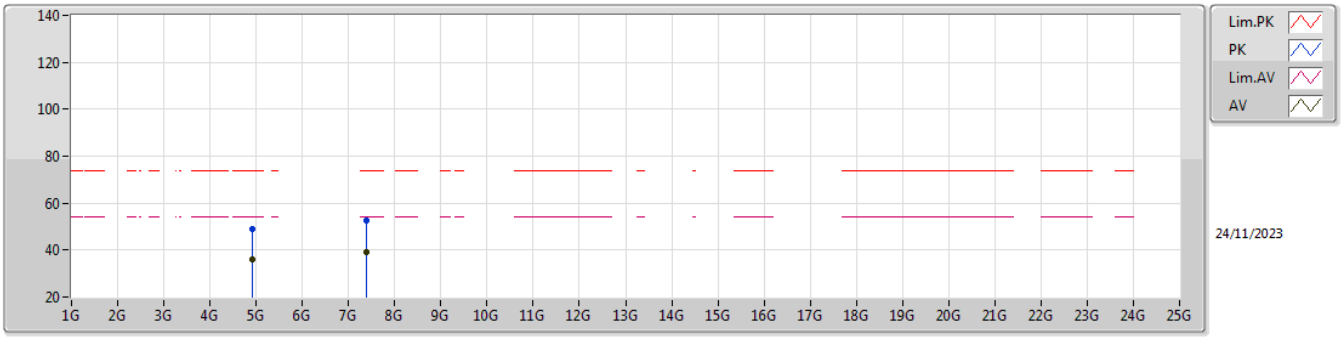


EUT Y_2TX
Setting 17
05-M-E-5

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	4.92544G	50.01	74.00	-23.99	45.57	3	Vertical	39	1.80	-	32.80	7.22	35.58
AV	4.9246G	37.38	54.00	-16.62	32.95	3	Vertical	39	1.80	-	32.80	7.21	35.58
PK	7.38006G	53.01	74.00	-20.99	42.39	3	Vertical	3	1.80	-	36.64	8.63	34.65
AV	7.38G	38.94	54.00	-15.06	28.32	3	Vertical	3	1.80	-	36.64	8.63	34.65

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

2462MHz_TX

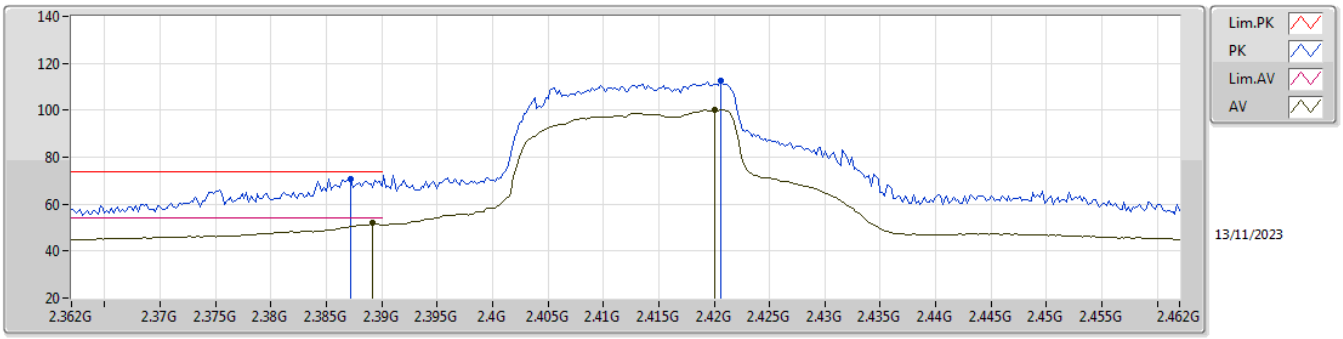


EUT Y_2TX
Setting 17
05-M-E-5

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	4.9243G	48.72	74.00	-25.28	44.29	3	Horizontal	51	1.78	-	32.80	7.21	35.58
AV	4.92472G	36.02	54.00	-17.98	31.59	3	Horizontal	51	1.78	-	32.80	7.21	35.58
PK	7.39476G	52.61	74.00	-21.39	41.98	3	Horizontal	99	1.80	-	36.61	8.64	34.62
AV	7.3845G	39.15	54.00	-14.85	28.53	3	Horizontal	99	1.80	-	36.63	8.63	34.64

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

2412MHz_TX

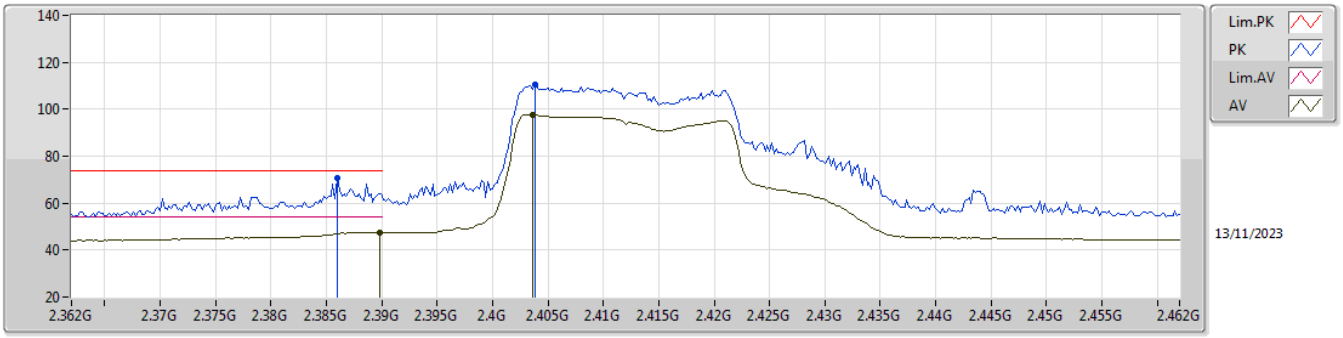


EUT Y_2TX
Setting 32
03-D-P-5

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	2.3872G	70.48	74.00	-3.52	38.71	3	Vertical	334	1.75	-	28.20	3.57	-
AV	2.3892G	51.89	54.00	-2.11	20.12	3	Vertical	334	1.75	-	28.20	3.57	-
PK	2.4206G	112.56	Inf	-Inf	80.76	3	Vertical	334	1.75	-	28.20	3.60	-
AV	2.42G	100.07	Inf	-Inf	68.27	3	Vertical	334	1.75	-	28.20	3.60	-

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

2412MHz_TX

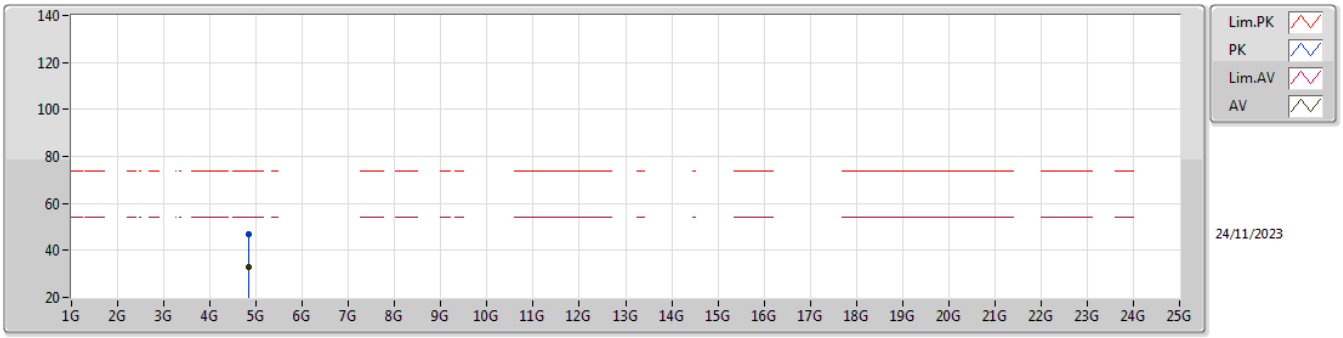


EUT Y_2TX
Setting 32
03-D-P-5

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	2.386G	70.46	74.00	-3.54	38.69	3	Horizontal	171	2.04	-	28.20	3.57	-
AV	2.3898G	47.66	54.00	-6.34	15.89	3	Horizontal	171	2.04	-	28.20	3.57	-
PK	2.4038G	110.44	Inf	-Inf	78.66	3	Horizontal	171	2.04	-	28.20	3.58	-
AV	2.4036G	97.77	Inf	-Inf	65.99	3	Horizontal	171	2.04	-	28.20	3.58	-

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

2412MHz_TX

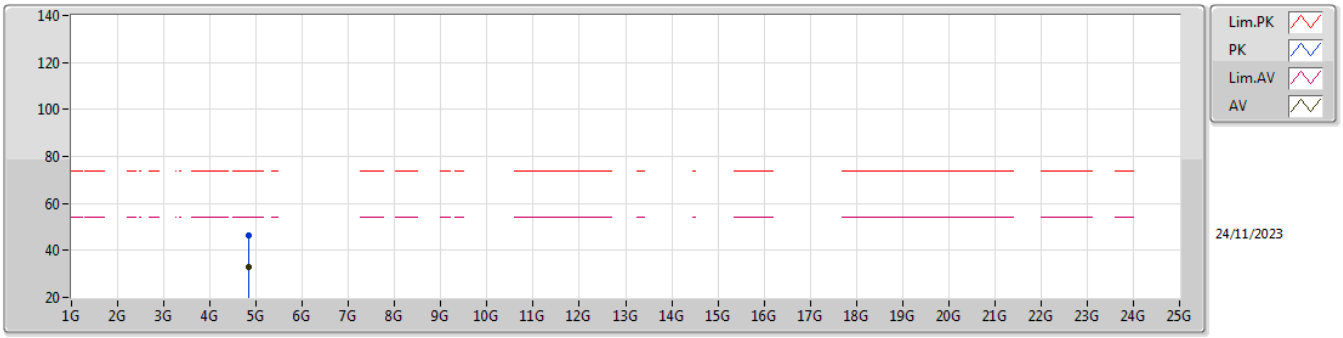


EUT Y_2TX
Setting 32
05-M-E-5

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	4.83696G	46.65	74.00	-27.35	42.47	3	Vertical	296	2.93	-	32.62	7.16	35.60
AV	4.83534G	33.12	54.00	-20.88	28.95	3	Vertical	296	2.93	-	32.61	7.16	35.60

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

2412MHz_TX

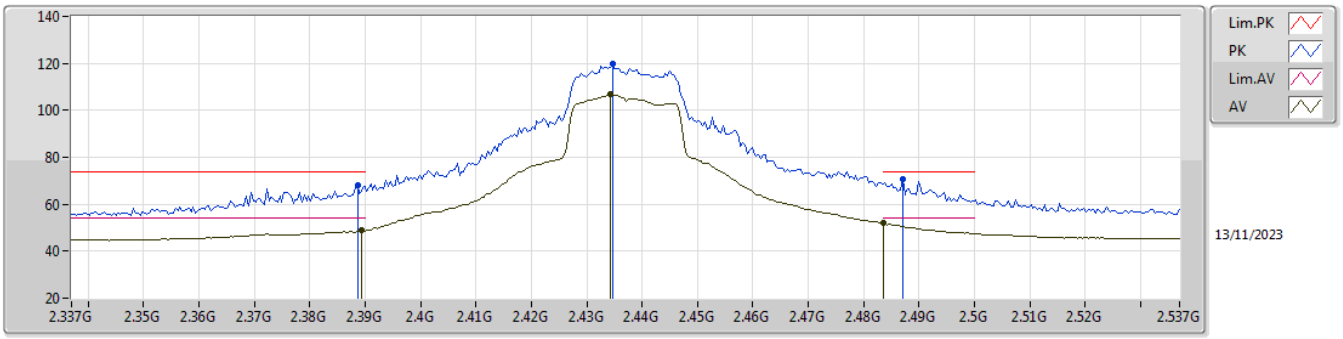


EUT Y_2TX
Setting 32
05-M-E-5

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	4.83474G	46.51	74.00	-27.49	42.34	3	Horizontal	265	2.19	-	32.61	7.16	35.60
AV	4.83528G	32.99	54.00	-21.01	28.82	3	Horizontal	265	2.19	-	32.61	7.16	35.60

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

2437MHz_TX

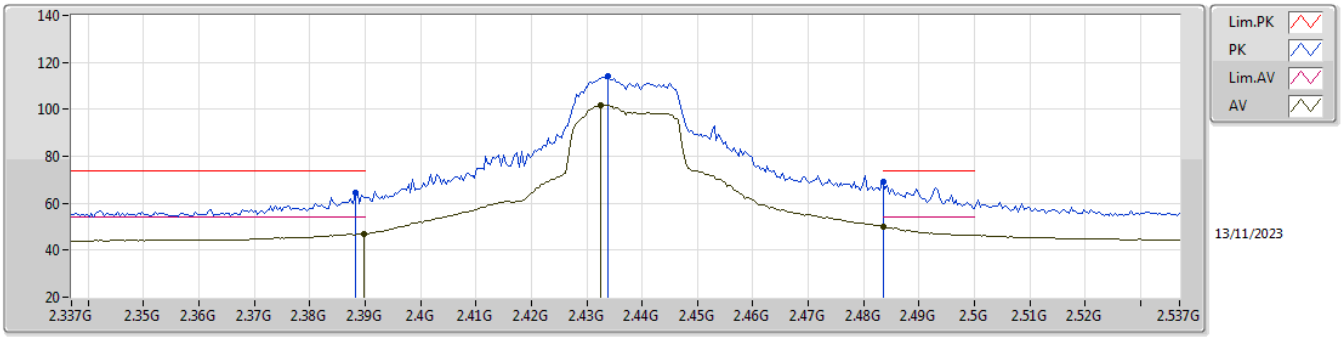


EUT Y_2TX
Setting 37
03-C-P-5

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	68.11	74.00	-5.89	36.34	3	Vertical	344	1.80	-	28.20	3.57	-
AV	2.3894G	48.74	54.00	-5.26	16.97	3	Vertical	344	1.80	-	28.20	3.57	-
PK	2.4346G	119.67	Inf	-Inf	87.86	3	Vertical	344	1.80	-	28.20	3.61	-
AV	2.4342G	106.72	Inf	-Inf	74.91	3	Vertical	344	1.80	-	28.20	3.61	-
PK	2.487G	70.49	74.00	-3.51	38.42	3	Vertical	344	1.80	-	28.42	3.65	-
AV	2.4835G	51.94	54.00	-2.06	19.90	3	Vertical	344	1.80	-	28.40	3.64	-

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

2437MHz_TX

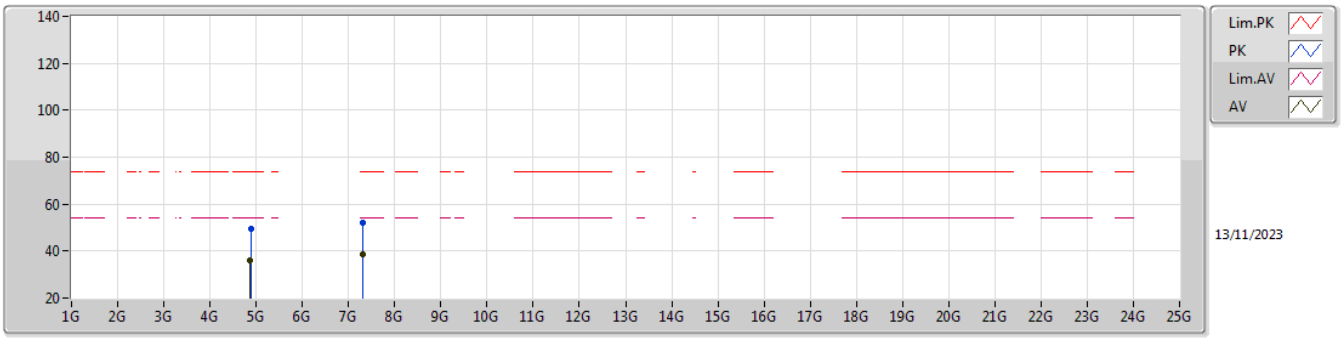


EUT Y_2TX
Setting 37
03-C-P-5

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	2.3882G	64.73	74.00	-9.27	32.96	3	Horizontal	168	2.01	-	28.20	3.57	-
AV	2.3898G	47.07	54.00	-6.93	15.30	3	Horizontal	168	2.01	-	28.20	3.57	-
PK	2.4338G	114.02	Inf	-Inf	82.21	3	Horizontal	168	2.01	-	28.20	3.61	-
AV	2.4326G	101.89	Inf	-Inf	70.09	3	Horizontal	168	2.01	-	28.20	3.60	-
PK	2.4835G	68.90	74.00	-5.10	36.86	3	Horizontal	168	2.01	-	28.40	3.64	-
AV	2.4835G	50.08	54.00	-3.92	18.04	3	Horizontal	168	2.01	-	28.40	3.64	-

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

2437MHz_TX

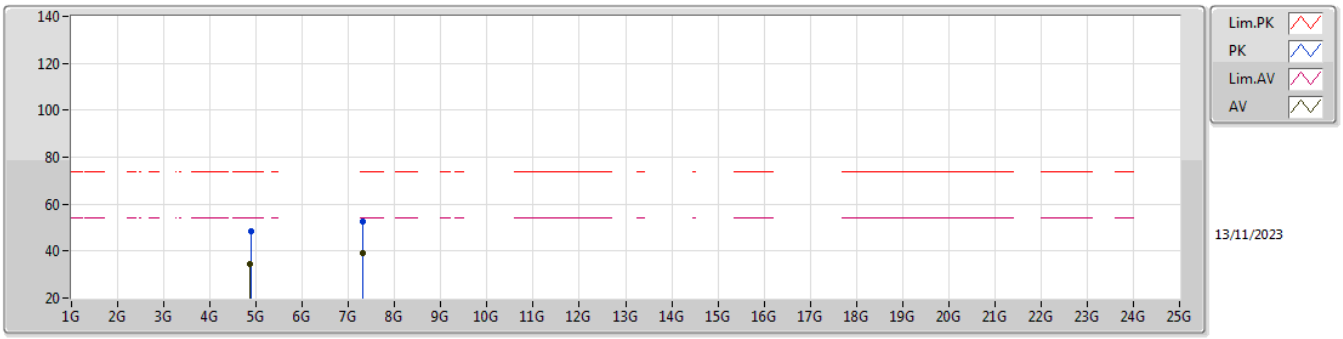


EUT Y_2TX
Setting 37
03-C-P-5

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	4.87964G	49.65	74.00	-24.35	44.34	3	Vertical	26	2.00	-	33.58	6.47	34.74
AV	4.87334G	36.27	54.00	-17.73	31.01	3	Vertical	26	2.00	-	33.54	6.45	34.73
PK	7.29954G	52.12	74.00	-21.88	41.44	3	Vertical	305	1.01	-	36.80	9.27	35.39
AV	7.30602G	38.65	54.00	-15.35	27.94	3	Vertical	305	1.01	-	36.81	9.28	35.38

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

2437MHz_TX

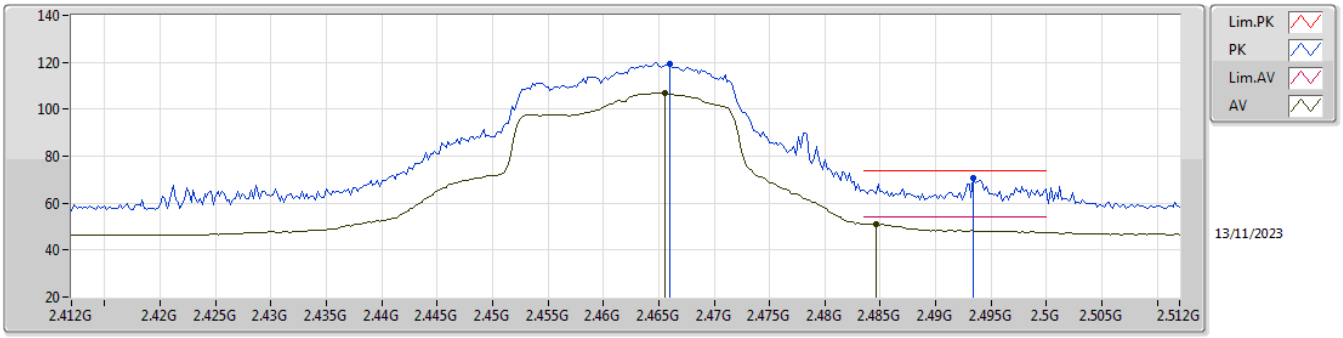


EUT Y_2TX
Setting 37
03-C-P-5

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	4.8833G	48.42	74.00	-25.58	43.09	3	Horizontal	311	1.70	-	33.60	6.47	34.74
AV	4.87478G	34.30	54.00	-19.70	29.03	3	Horizontal	311	1.70	-	33.55	6.45	34.73
PK	7.29966G	52.62	74.00	-21.38	41.94	3	Horizontal	73	1.53	-	36.80	9.27	35.39
AV	7.31604G	39.28	54.00	-14.72	28.54	3	Horizontal	73	1.53	-	36.83	9.29	35.38

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

2462MHz_TX

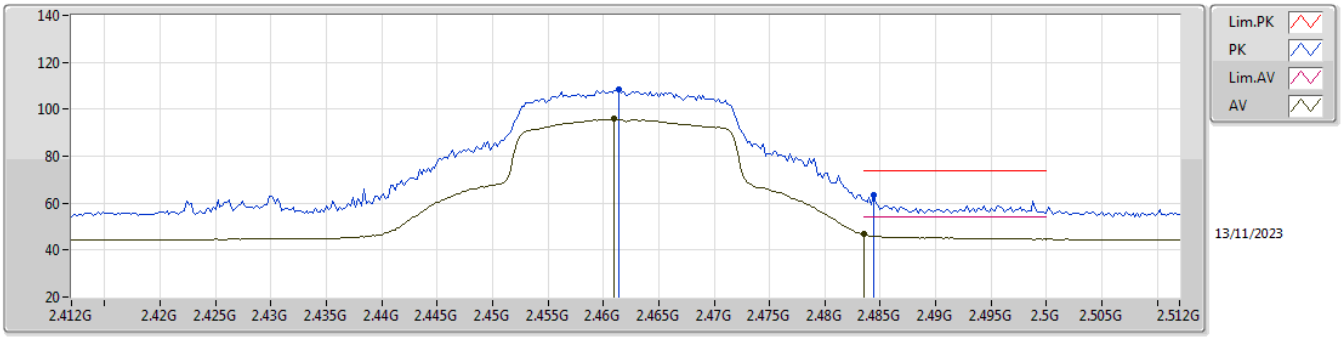


EUT Y_2TX
Setting 34
03-C-P-5

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	2.466G	119.49	Inf	-Inf	87.56	3	Vertical	168	1.43	-	28.30	3.63	-
AV	2.4656G	106.68	Inf	-Inf	74.76	3	Vertical	168	1.43	-	28.29	3.63	-
PK	2.4934G	70.52	74.00	-3.48	38.41	3	Vertical	168	1.43	-	28.46	3.65	-
AV	2.4846G	51.20	54.00	-2.80	19.15	3	Vertical	168	1.43	-	28.41	3.64	-

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

2462MHz_TX

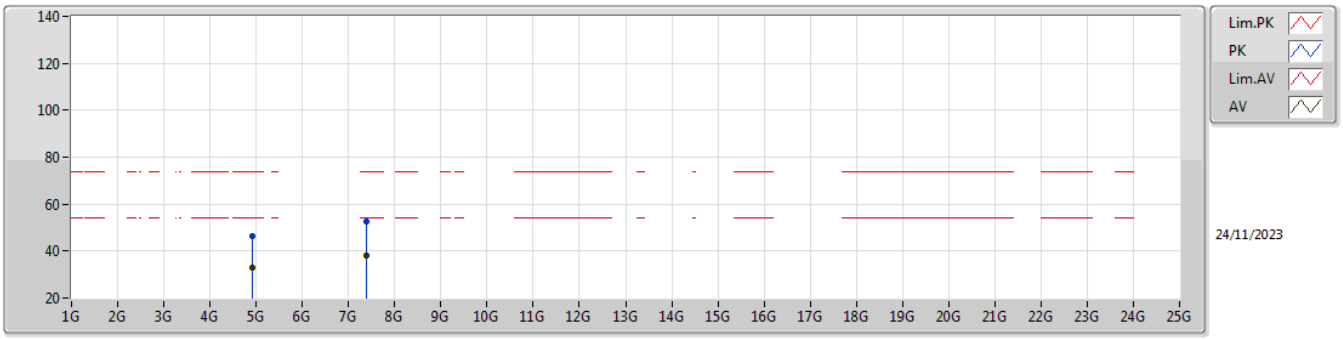


EUT Y_2TX
Setting 34
03-C-P-5

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	2.4614G	108.20	Inf	-Inf	76.30	3	Horizontal	192	1.80	-	28.27	3.63	-
AV	2.461G	95.79	Inf	-Inf	63.89	3	Horizontal	192	1.80	-	28.27	3.63	-
PK	2.4844G	63.63	74.00	-10.37	31.58	3	Horizontal	192	1.80	-	28.41	3.64	-
AV	2.4835G	46.67	54.00	-7.33	14.63	3	Horizontal	192	1.80	-	28.40	3.64	-

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

2462MHz_TX

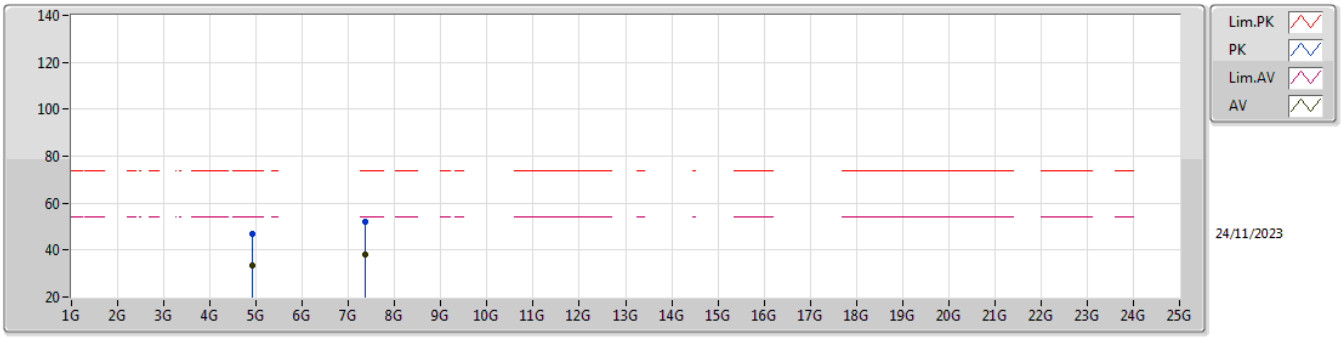


EUT Y_2TX
Setting 34
05-M-E-5

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	4.92706G	46.49	74.00	-27.51	42.04	3	Vertical	205	2.39	-	32.81	7.22	35.58
AV	4.92652G	33.12	54.00	-20.88	28.67	3	Vertical	205	2.39	-	32.81	7.22	35.58
PK	7.39926G	52.42	74.00	-21.58	41.79	3	Vertical	258	1.98	-	36.60	8.64	34.61
AV	7.3896G	38.36	54.00	-15.64	27.73	3	Vertical	258	1.98	-	36.62	8.64	34.63

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

2462MHz_TX

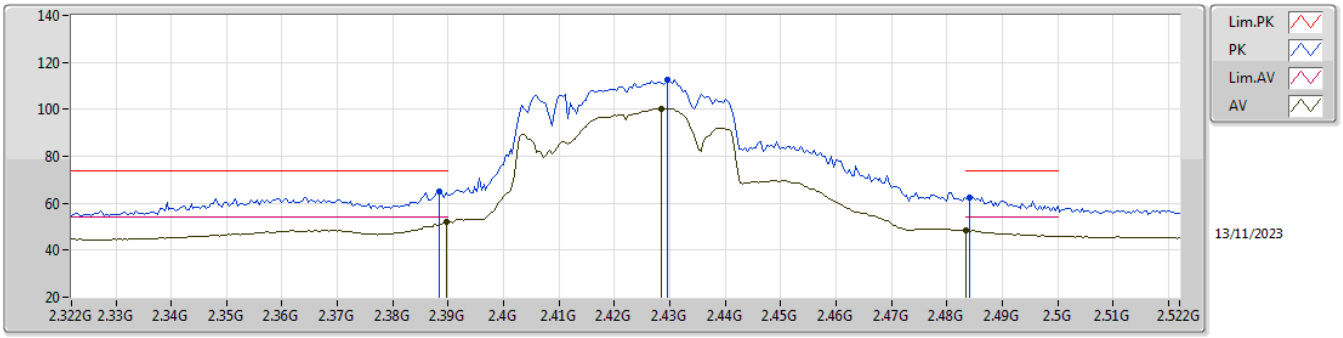


EUT Y_2TX
Setting 34
05-M-E-5

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	4.92946G	46.72	74.00	-27.28	42.26	3	Horizontal	310	1.21	-	32.82	7.22	35.58
AV	4.92718G	33.24	54.00	-20.76	28.79	3	Horizontal	310	1.21	-	32.81	7.22	35.58
PK	7.37436G	52.06	74.00	-21.94	41.44	3	Horizontal	186	1.31	-	36.65	8.63	34.66
AV	7.37202G	38.21	54.00	-15.79	27.58	3	Horizontal	186	1.31	-	36.66	8.63	34.66

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

2422MHz_TX

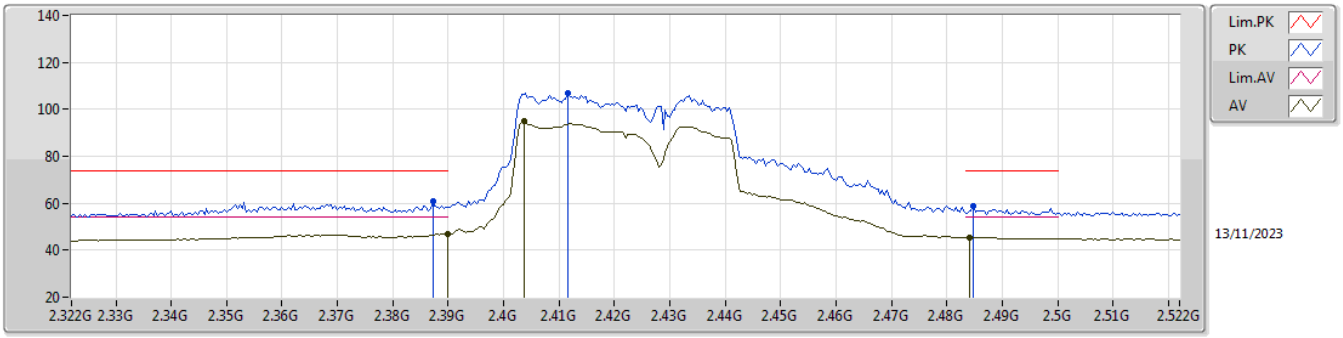


EUT Y_2TX
Setting 33
03-C-P-5

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	2.3884G	64.89	74.00	-9.11	33.12	3	Vertical	170	1.25	-	28.20	3.57	-
AV	2.3896G	52.29	54.00	-1.71	20.52	3	Vertical	170	1.25	-	28.20	3.57	-
PK	2.4296G	112.79	Inf	-Inf	80.99	3	Vertical	170	1.25	-	28.20	3.60	-
AV	2.4284G	100.31	Inf	-Inf	68.51	3	Vertical	170	1.25	-	28.20	3.60	-
PK	2.484G	62.54	74.00	-11.46	30.50	3	Vertical	170	1.25	-	28.40	3.64	-
AV	2.4835G	48.66	54.00	-5.34	16.62	3	Vertical	170	1.25	-	28.40	3.64	-

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

2422MHz_TX

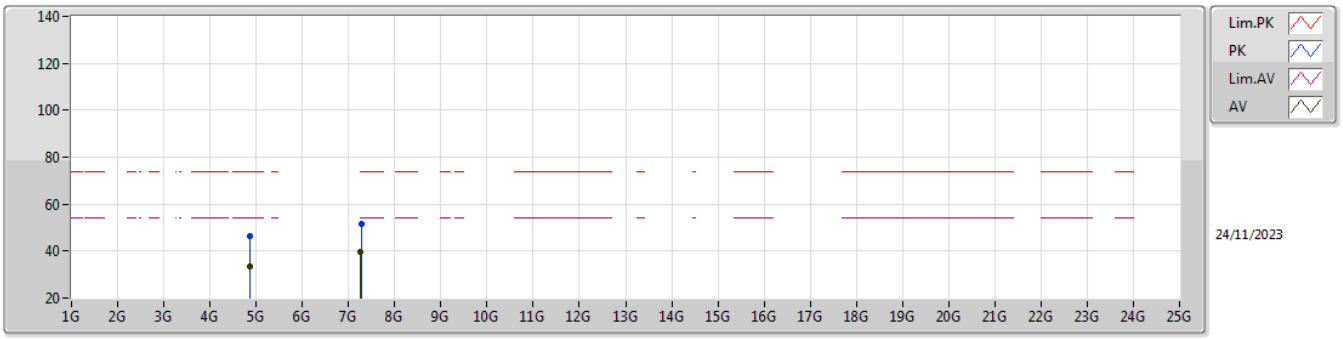


EUT Y_2TX
Setting 33
03-C-P-5

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	2.3872G	60.77	74.00	-13.23	29.00	3	Horizontal	169	1.80	-	28.20	3.57	-
AV	2.39G	47.06	54.00	-6.94	15.29	3	Horizontal	169	1.80	-	28.20	3.57	-
PK	2.4116G	106.89	Inf	-Inf	75.10	3	Horizontal	169	1.80	-	28.20	3.59	-
AV	2.4036G	95.08	Inf	-Inf	63.30	3	Horizontal	169	1.80	-	28.20	3.58	-
PK	2.4848G	58.67	74.00	-15.33	26.62	3	Horizontal	169	1.80	-	28.41	3.64	-
AV	2.484G	45.55	54.00	-8.45	13.51	3	Horizontal	169	1.80	-	28.40	3.64	-

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

2422MHz_TX

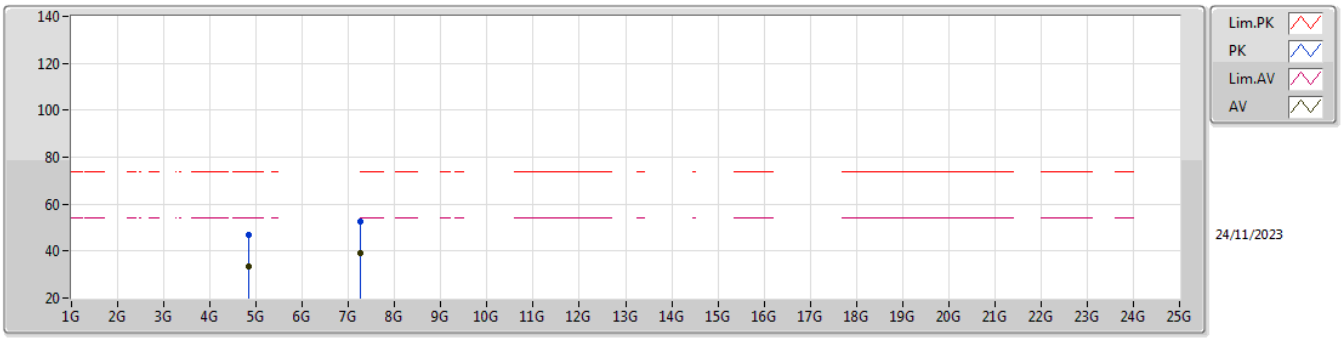


EUT Y_2TX
Setting 33
05-M-E-5

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	4.8572G	46.62	74.00	-27.38	42.35	3	Vertical	64	1.00	-	32.70	7.17	35.60
AV	4.85914G	33.67	54.00	-20.33	29.39	3	Vertical	64	1.00	-	32.70	7.18	35.60
PK	7.27902G	51.77	74.00	-22.23	41.03	3	Vertical	3	1.68	-	36.98	8.59	34.83
AV	7.25118G	39.48	54.00	-14.52	28.68	3	Vertical	3	1.68	-	37.10	8.58	34.88

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

2422MHz_TX

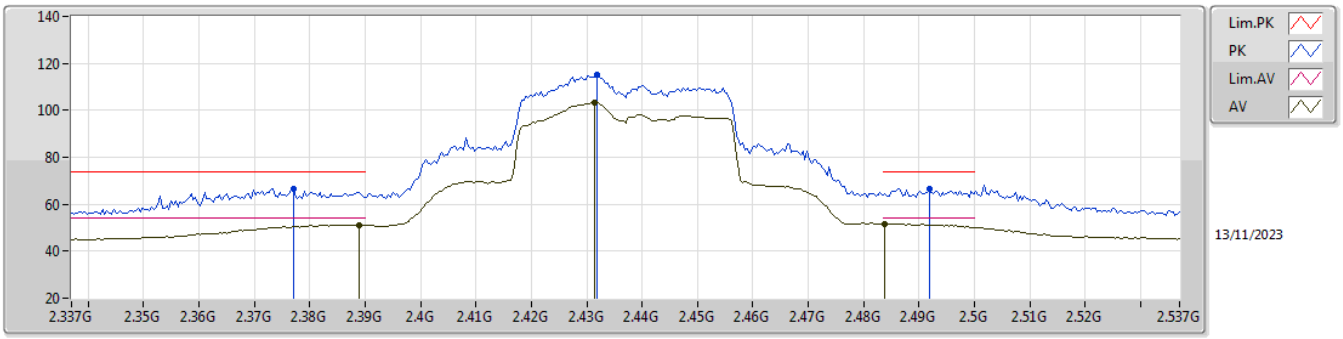


EUT Y_2TX
Setting 33
05-M-E-5

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	4.83614G	46.69	74.00	-27.31	42.51	3	Horizontal	164	1.78	-	32.62	7.16	35.60
AV	4.84478G	33.50	54.00	-20.50	29.26	3	Horizontal	164	1.78	-	32.67	7.17	35.60
PK	7.26432G	52.37	74.00	-21.63	41.60	3	Horizontal	356	1.02	-	37.04	8.59	34.86
AV	7.251G	39.36	54.00	-14.64	28.56	3	Horizontal	356	1.02	-	37.10	8.58	34.88

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

2437MHz_TX

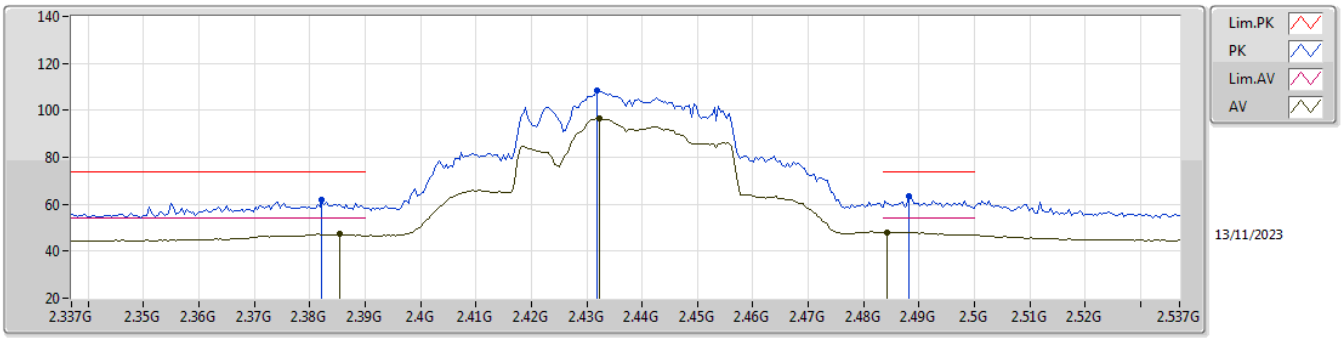


EUT Y_2TX
Setting 35
03-C-P-5

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	2.377G	66.78	74.00	-7.22	35.02	3	Vertical	172	1.54	-	28.20	3.56	-
AV	2.389G	51.13	54.00	-2.87	19.36	3	Vertical	172	1.54	-	28.20	3.57	-
PK	2.4318G	115.29	Inf	-Inf	83.49	3	Vertical	172	1.54	-	28.20	3.60	-
AV	2.4314G	103.30	Inf	-Inf	71.50	3	Vertical	172	1.54	-	28.20	3.60	-
PK	2.4918G	66.78	74.00	-7.22	34.68	3	Vertical	172	1.54	-	28.45	3.65	-
AV	2.4838G	51.69	54.00	-2.31	19.65	3	Vertical	172	1.54	-	28.40	3.64	-

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

2437MHz_TX

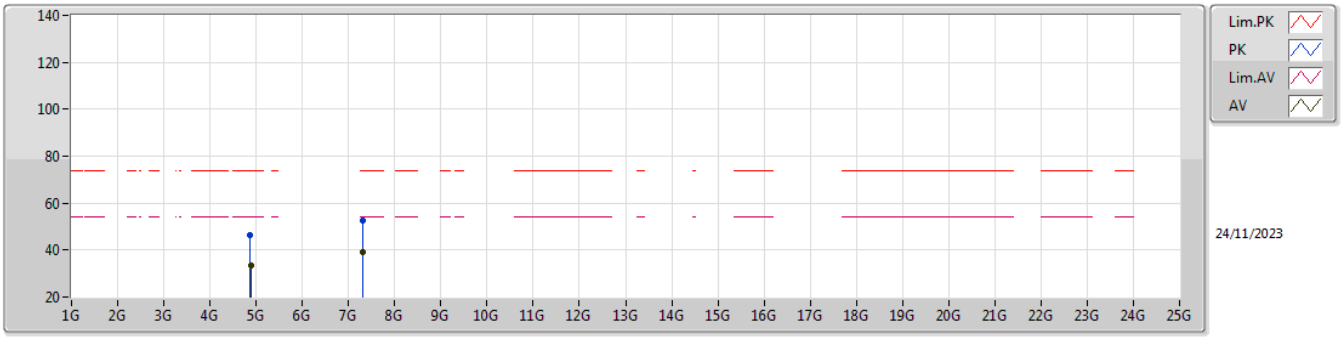


EUT Y_2TX
Setting 35
03-C-P-5

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	2.3822G	61.69	74.00	-12.31	29.92	3	Horizontal	170	2.02	-	28.20	3.57	-
AV	2.3854G	47.20	54.00	-6.80	15.43	3	Horizontal	170	2.02	-	28.20	3.57	-
PK	2.4318G	108.27	Inf	-Inf	76.47	3	Horizontal	170	2.02	-	28.20	3.60	-
AV	2.4322G	96.56	Inf	-Inf	64.76	3	Horizontal	170	2.02	-	28.20	3.60	-
PK	2.4882G	63.21	74.00	-10.79	31.13	3	Horizontal	170	2.02	-	28.43	3.65	-
AV	2.4842G	48.16	54.00	-5.84	16.11	3	Horizontal	170	2.02	-	28.41	3.64	-

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

2437MHz_TX

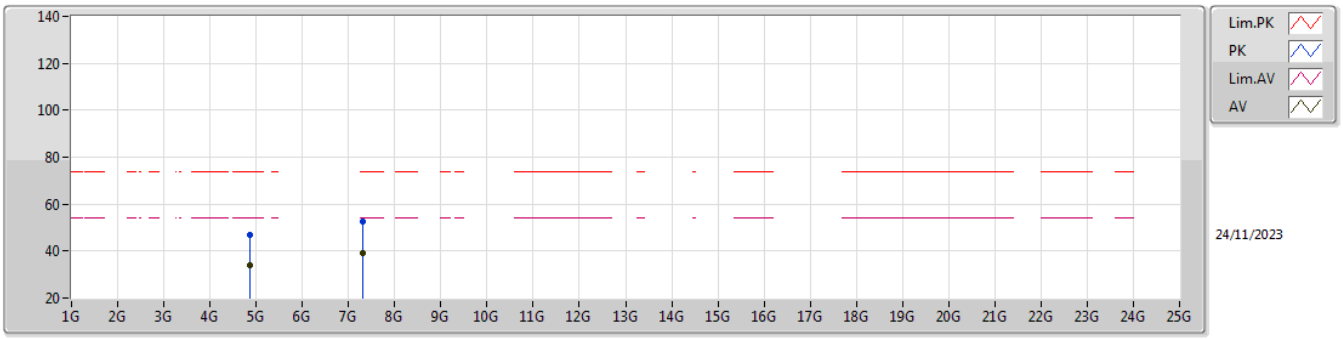


EUT Y_2TX
Setting 35
05-M-E-5

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	4.87538G	46.43	74.00	-27.57	42.13	3	Vertical	75	1.61	-	32.70	7.19	35.59
AV	4.88138G	33.67	54.00	-20.33	29.37	3	Vertical	75	1.61	-	32.70	7.19	35.59
PK	7.30008G	52.34	74.00	-21.66	41.63	3	Vertical	149	1.80	-	36.90	8.60	34.79
AV	7.3035G	38.99	54.00	-15.01	28.29	3	Vertical	149	1.80	-	36.89	8.60	34.79

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

2437MHz_TX

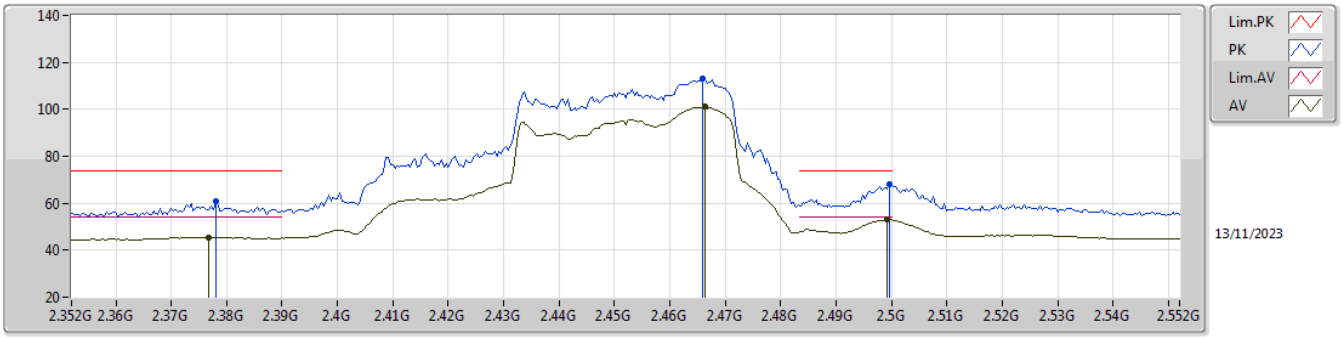


EUT Y_2TX
Setting 35
05-M-E-5

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	4.87388G	47.04	74.00	-26.96	42.75	3	Horizontal	259	1.80	-	32.70	7.18	35.59
AV	4.87628G	33.99	54.00	-20.01	29.69	3	Horizontal	259	1.80	-	32.70	7.19	35.59
PK	7.31202G	52.34	74.00	-21.66	41.66	3	Horizontal	327	1.80	-	36.85	8.60	34.77
AV	7.31424G	39.07	54.00	-14.93	28.39	3	Horizontal	327	1.80	-	36.84	8.61	34.77

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

2452MHz_TX

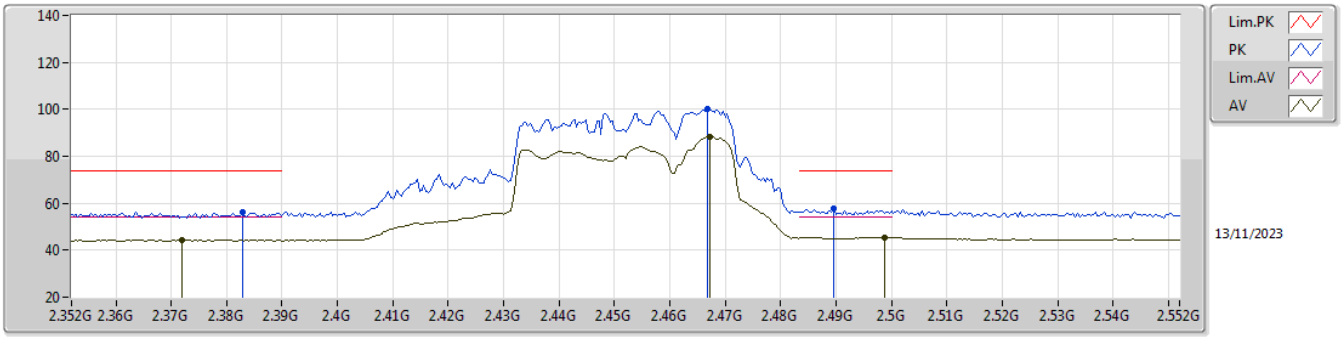


EUT Y_2TX
Setting 30
03-C-P-5

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	2.378G	61.05	74.00	-12.95	29.29	3	Vertical	169	1.41	-	28.20	3.56	-
AV	2.3768G	45.60	54.00	-8.40	13.84	3	Vertical	169	1.41	-	28.20	3.56	-
PK	2.466G	113.15	Inf	-Inf	81.22	3	Vertical	169	1.41	-	28.30	3.63	-
AV	2.4664G	101.07	Inf	-Inf	69.14	3	Vertical	169	1.41	-	28.30	3.63	-
PK	2.4996G	68.05	74.00	-5.95	35.90	3	Vertical	169	1.41	-	28.50	3.65	-
AV	2.4992G	53.05	54.00	-0.95	20.90	3	Vertical	169	1.41	-	28.50	3.65	-

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

2452MHz_TX

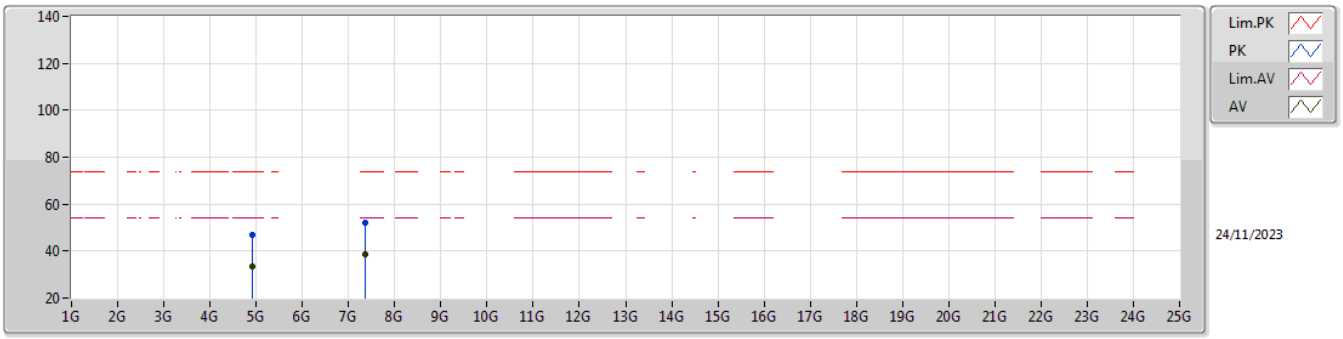


EUT Y_2TX
Setting 30
03-C-P-5

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	2.3828G	56.18	74.00	-17.82	24.41	3	Horizontal	159	2.92	-	28.20	3.57	-
AV	2.372G	44.28	54.00	-9.72	12.52	3	Horizontal	159	2.92	-	28.20	3.56	-
PK	2.4668G	99.93	Inf	-Inf	68.00	3	Horizontal	159	2.92	-	28.30	3.63	-
AV	2.4672G	88.32	Inf	-Inf	56.39	3	Horizontal	159	2.92	-	28.30	3.63	-
PK	2.4896G	57.53	74.00	-16.47	25.44	3	Horizontal	159	2.92	-	28.44	3.65	-
AV	2.4988G	45.36	54.00	-8.64	13.22	3	Horizontal	159	2.92	-	28.49	3.65	-

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

2452MHz_TX

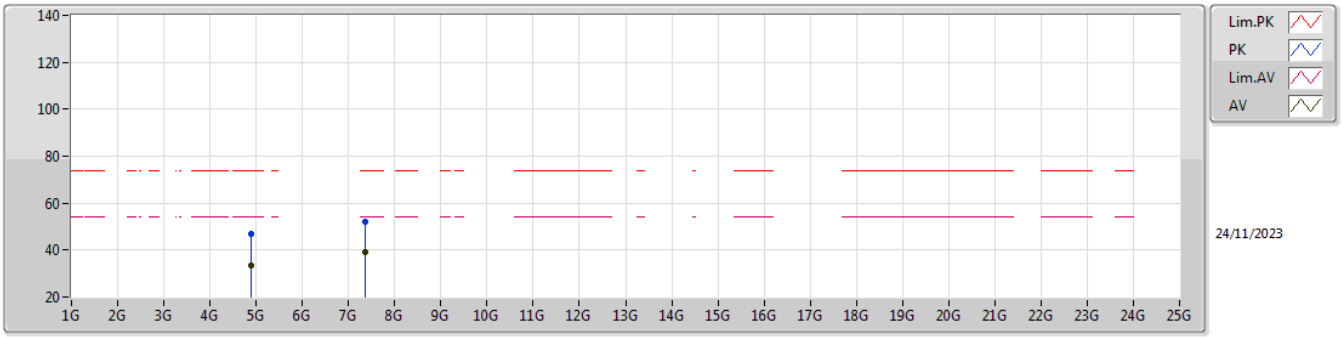


EUT Y_2TX
Setting 30
05-M-E-5

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	4.9121G	46.82	74.00	-27.18	42.44	3	Vertical	345	1.80	-	32.75	7.21	35.58
AV	4.9134G	33.58	54.00	-20.42	29.20	3	Vertical	345	1.80	-	32.75	7.21	35.58
PK	7.35948G	52.24	74.00	-21.76	41.63	3	Vertical	270	1.78	-	36.68	8.62	34.69
AV	7.35554G	38.86	54.00	-15.14	28.24	3	Vertical	270	1.78	-	36.69	8.62	34.69

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

2452MHz_TX



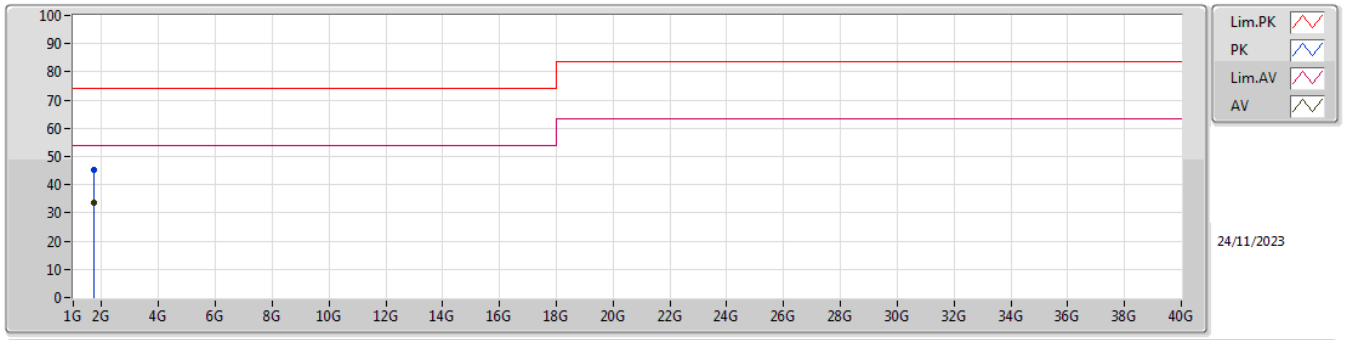
EUT Y_2TX
Setting 30
05-M-E-5

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	4.89896G	46.75	74.00	-27.25	42.44	3	Horizontal	70	1.80	-	32.70	7.20	35.59
AV	4.89568G	33.61	54.00	-20.39	29.30	3	Horizontal	70	1.80	-	32.70	7.20	35.59
PK	7.35066G	51.90	74.00	-22.10	41.28	3	Horizontal	303	1.80	-	36.70	8.62	34.70
AV	7.34928G	39.00	54.00	-15.00	28.38	3	Horizontal	303	1.80	-	36.70	8.62	34.70

Summary

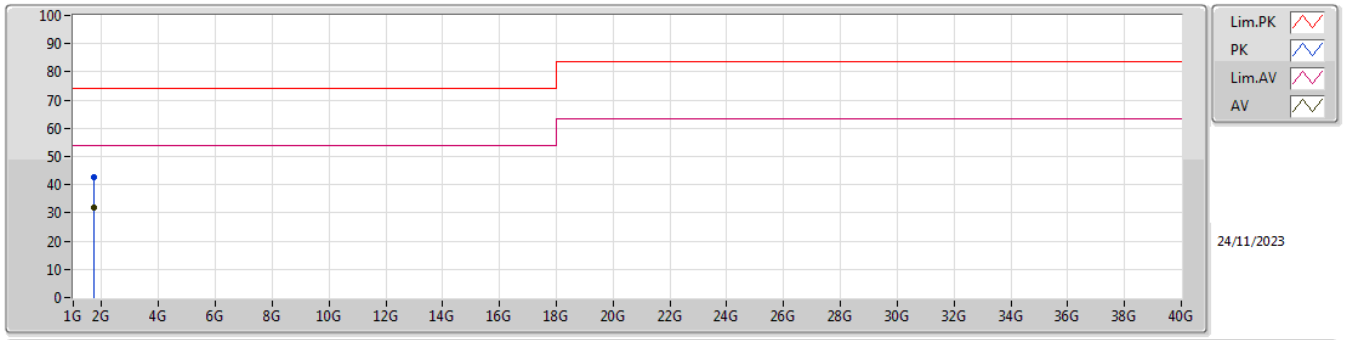
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.71123G	33.68	54.00	-20.32	Vertical

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	1.70988G	45.19	74.00	-28.81	-7.46	3	Vertical	165	1.00	-	52.65	24.80	4.46	36.72
AV	1.71123G	33.68	54.00	-20.32	-7.44	3	Vertical	165	1.00	"Worst"	41.12	24.82	4.46	36.72

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	1.70992G	42.63	74.00	-31.37	-7.46	3	Horizontal	35	1.00	-	50.09	24.80	4.46	36.72
AV	1.71036G	31.71	54.00	-22.29	-7.45	3	Horizontal	35	1.00	"Worst"	39.16	24.81	4.46	36.72