Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	I8803973
Equipment	:	802.11ax (WiFi 6) Dual-Radio Wall-Plate Unified Access Point
Brand Name	:	ZYXEL
Model Name	:	WAX300H
Applicant	:	Zyxel Communications Corporation No.2 Industry East RD. IX, Hsinchu Science Park, Hsinchu 30075, Taiwan, R.O.C
Manufacturer	:	Zyxel Communications Corporation No.2 Industry East RD. IX, Hsinchu Science Park, Hsinchu 30075, Taiwan, R.O.C
Standard	:	47 CFR FCC Part 15.247

The product was received on Jun. 01, 2023, and testing was started from Jun. 05, 2023 and completed on Jun. 16, 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
FR311613AA	01	Initial issue of report	Jul. 14, 2023
FR311613AA	02	Adding repeater function	Jul. 25, 2023

Summary of Test Result

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

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:

1. 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.
2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

Reviewed by: Sam Chen
Report Producer: Viola 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.	2.4GHz	5GHz	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	1	LYNwave	ALX23M-222AA0	PIFA Antenna	N/A	Note 1
2	2	2	LYNwave	ALX23M-222AA1	PIFA Antenna	N/A	

Note 1:

Ant.	2400~2500 MHz	5150~5250 MHz	5251~5300 MHz	5301~5490 MHz	5491~5725 MHz	5725~5835 MHz
1	1.4	4.2	4.6	4.6	5.1	5.1
2	2.7	3.2	3.5	3.5	3.5	4.3

Note 2: The above information was declared by manufacturer.
Note 3: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$
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)= $10^{G2/20}$;

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

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

Where ;

2.4G G1= 1.4 dBi ; G2= 2.7 dBi ;DG= 5.08dBi

5G UNII-1 G1= 4.2 dBi ; G2= 3.2 dBi ;DG= 6.72dBi

5G UNII-2A G1= 4.6 dBi ; G2= 3.5 dBi ;DG= 7.08dBi

5G UNII-2C G1= 5.1 dBi ; G2= 3.5 dBi ;DG= 7.35dBi

5G UNII-3 G1= 5.1 dBi ; G2= 4.3 dBi ;DG= 7.72dBi

For 2.4GHz:

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

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

Port 1~Port 2 could transmit/receive simultaneously.

For 5GHz UNII 1~UNII 3:

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

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

Port 1~Port 2 could transmit/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	0.962	0.17	1.402m	1k
802.11ax HEW20	0.95	0.22	1.031m	1k
802.11ax HEW20-BF	0.95	0.22	1.031m	1k
802.11ax HEW40	0.911	0.4	551.25u	3k
802.11ax HEW40-BF	0.911	0.4	551.25u	3k

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	QATool Version:0.0.2.78			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT supports function

Function	Supports Band
AP Router	2.4GHz, 5GHz UNII 1~3
Repeater	2.4GHz, 5GHz UNII 1, 3

Note1: For above table list, only AP Router mode was tested and recorded in this test.

Note2: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Ken Yeh	24.2~25.1 / 62~67	Jun. 07, 2023~Jun. 12, 2023
Radiated below 1GHz	03CH01-CB	Jackson Peng	21.7~22.8 / 56~59	Jun. 12, 2023~Jun. 13, 2023
Radiated above 1GHz (for other test)	03CH01-CB	George Fan	21.2~22.3 / 56~59	Jun. 05, 2023~Jun. 08, 2023
Radiated above 1GHz (for co-location test)	03CH05-CB	George Fan	22~23 / 55~58	Jun. 08, 2023
AC Conduction	CO01-CB	Gray Lee	21~22 / 58~60	Jun. 16, 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	15.5
2437MHz	18
2457MHz	17.5
2462MHz	14
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	14.5
2417MHz	15.5
2437MHz	18
2457MHz	15.5
2462MHz	12
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	14.5
2417MHz	16
2437MHz	18
2457MHz	15
2462MHz	12.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	14.5
2437MHz	15.5
2452MHz	14
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	14.5
2417MHz	16
2437MHz	18
2457MHz	15
2462MHz	12.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	14.5
2437MHz	15.5
2452MHz	14

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

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 1

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	Normal Link
	After evaluating, the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis + PoE 1
Operating Mode > 1GHz	CTX
	After evaluating, the worst case was found at Y axis. So the measurement will follow this same test configuration.
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, the worst case was found at Y axis. So the measurement will follow this same test configuration.
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.: FA311613 for Co-location RF Exposure Evaluation.	

Note1: The console port is professional usage by manufacturer declaration, and it was performed the test at the load.

Note2: The PoE is for measurement only, would not be marketed.

PoE information as below:

Power	Brand	Model
PoE 1	PHIHONG	POE31U-1AT
PoE 2	BulletPoE	BPI100-GH

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories
Wall Bracket*1

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE 1	PHIHONG	POE31U-1AT	N/A
B	UP link PC	DELL	T3400	N/A
C	LAN PC	DELL	T3400	N/A
D	PoE Load	I-O DATA	TS-NA230WP	N/A
E	2.4G NB	DELL	E6430	N/A
F	5G NB	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB(UP link)	DELL	E4300	N/A
B	NB(LAN)	DELL	E4300	N/A
C	NB(2.4G)	DELL	E4300	N/A
D	NB(5G)	DELL	E4300	N/A
E	PoE 1	PHIHONG	POE31U-1AT	N/A
F	PoE Load	I-O DATA	TS-NA230WP	N/A

For Radiated (above 1GHz):

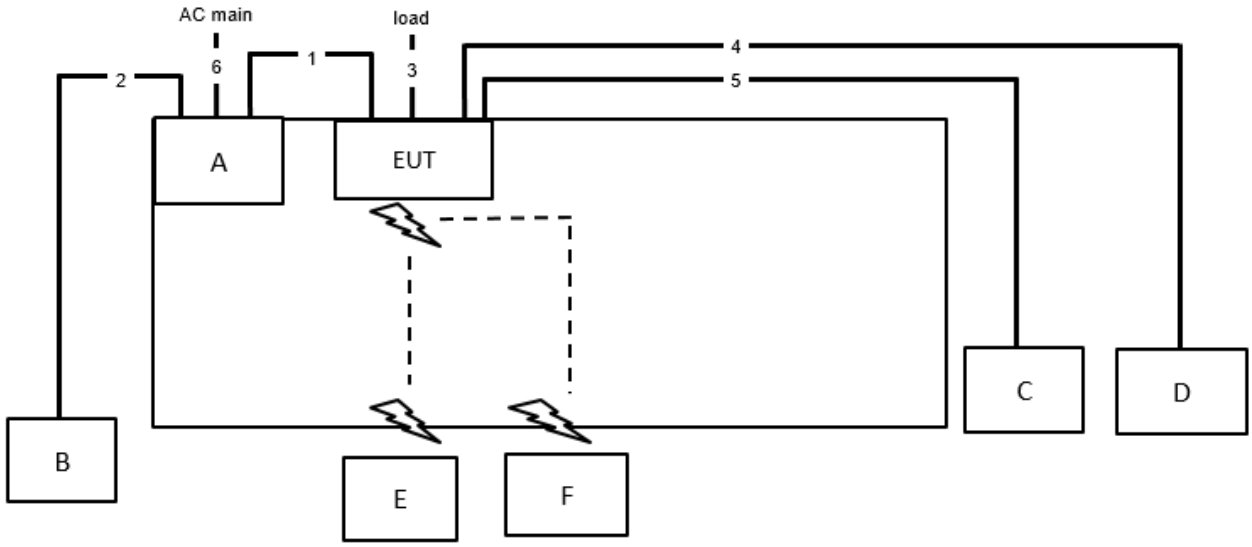
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	PoE 2	BulletPoE	BPI100-GH	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	PoE 2	BulletPoE	BPI100-GH	N/A

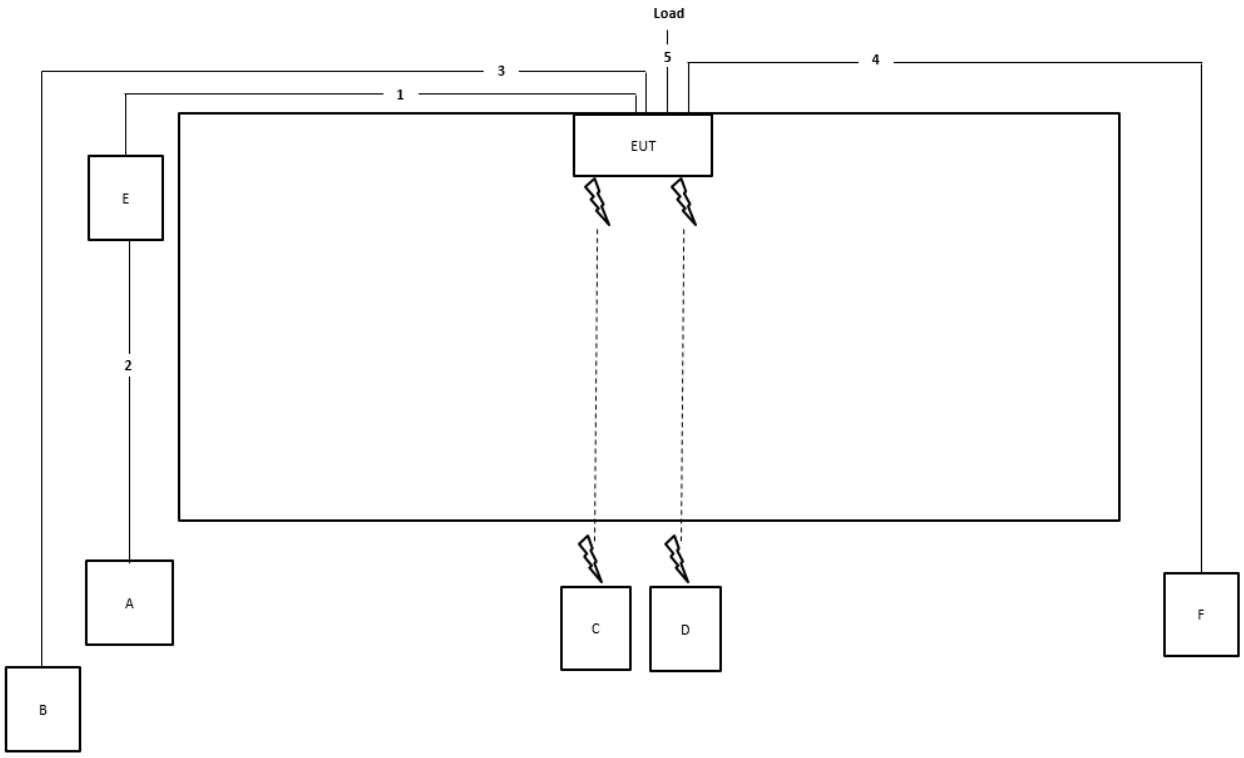
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



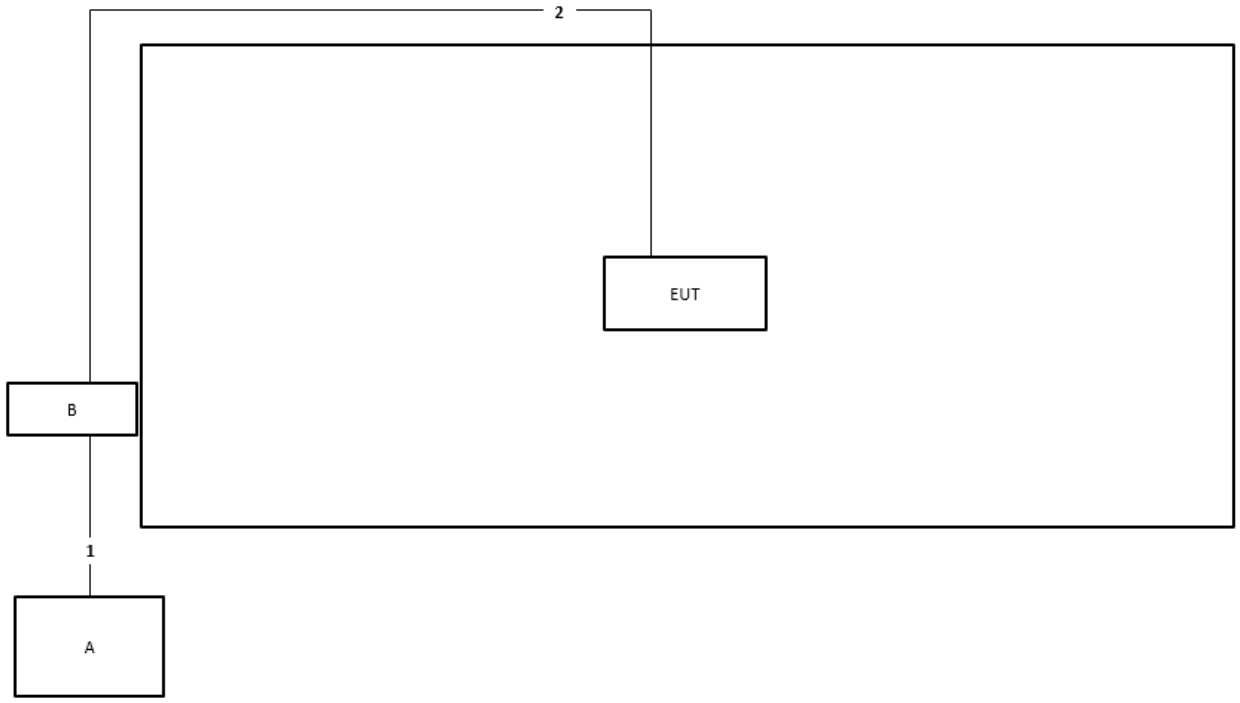
Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	10m
6	Power cable	No	1.8m

Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz



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

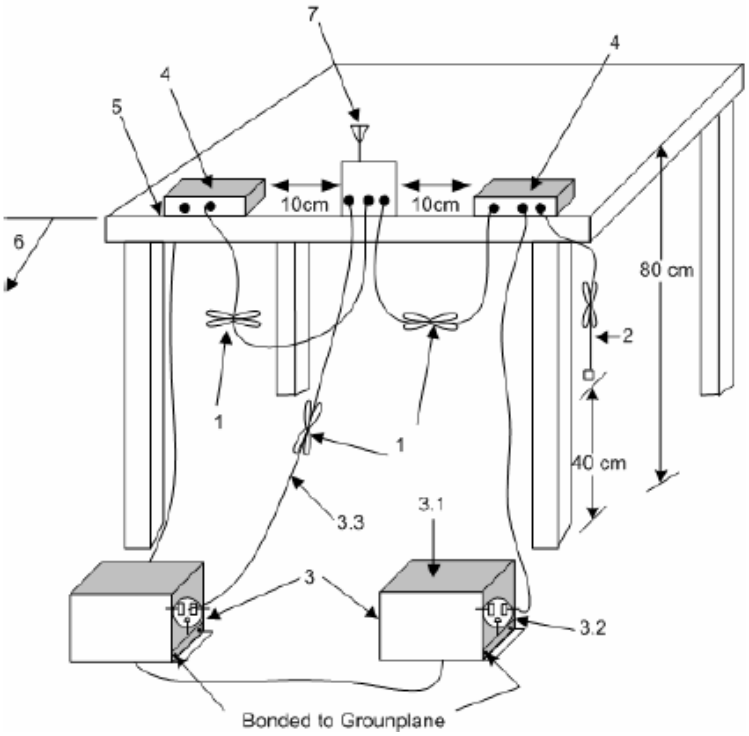
Refer a test equipment and calibration data table in this test report.

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.

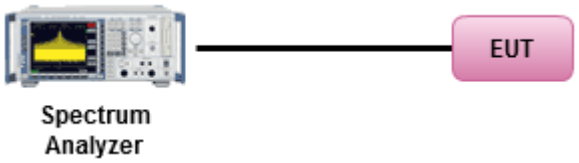
3.2.2 Measuring Instruments

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

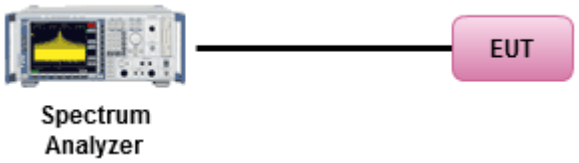
3.4.2 Measuring Instruments

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

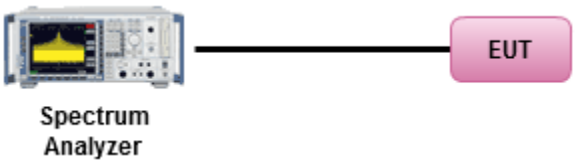
Refer a test equipment and calibration data table in this test report.

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.

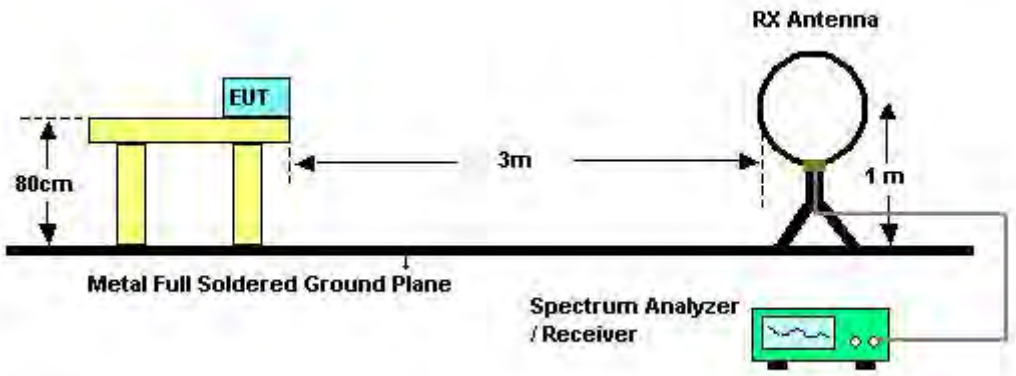
3.6.3 Test Procedures

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.		

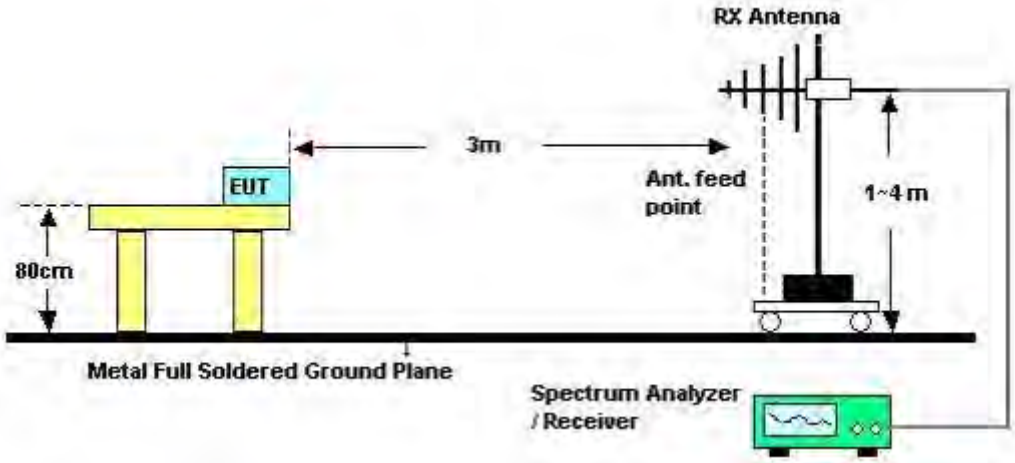
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

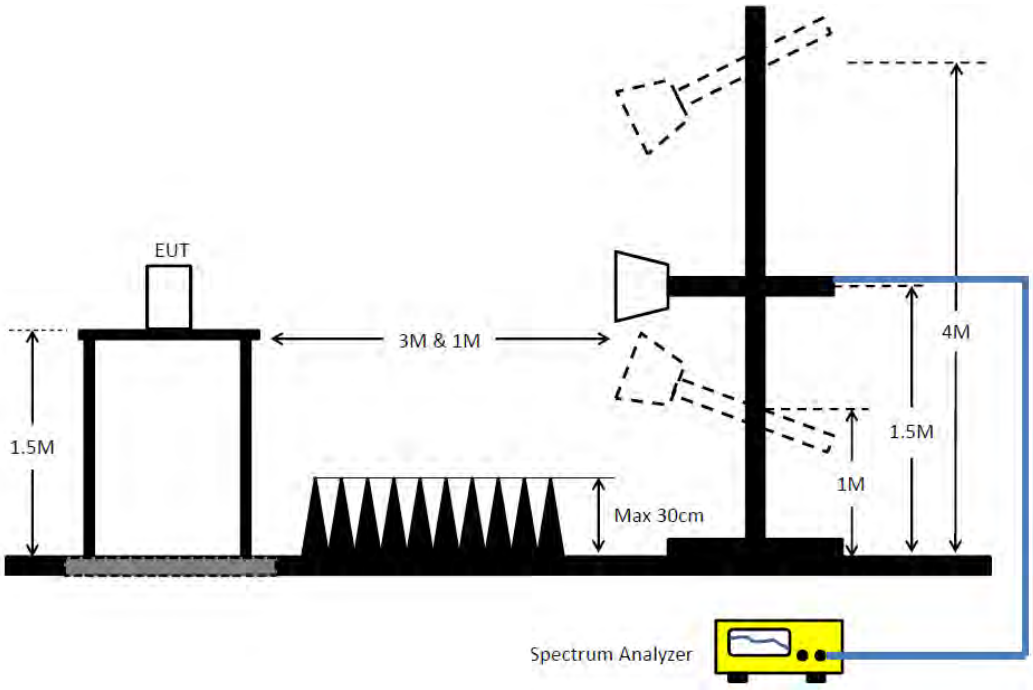
9kHz ~30MHz



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. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (03CH01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 16, 2023	Jan. 15, 2024	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 2024	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 19, 2023	Feb. 18, 2024	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH0301	20230109-2	10M~1GHz	Jan. 13, 2023	Jan. 12, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 18, 2023	May 17, 2024	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 29, 2022	Nov. 29, 2023	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-16+17	30 MHz ~ 1 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)

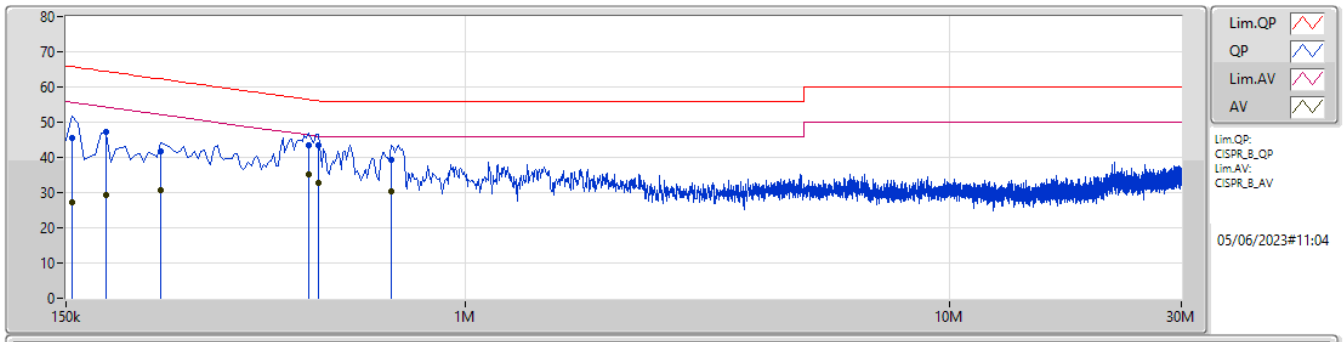
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 06, 2022	Nov. 05, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jun. 23, 2022	Jun. 22, 2023	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630 SE	980287	1GHz – 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	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. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 15, 2022	Aug. 14, 2023	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 17, 2022	Oct. 16, 2023	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 17, 2022	Oct. 16, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

Note: Calibration Interval of instruments listed above is one year.
N.C.R. means Non-Calibration required.

Summary

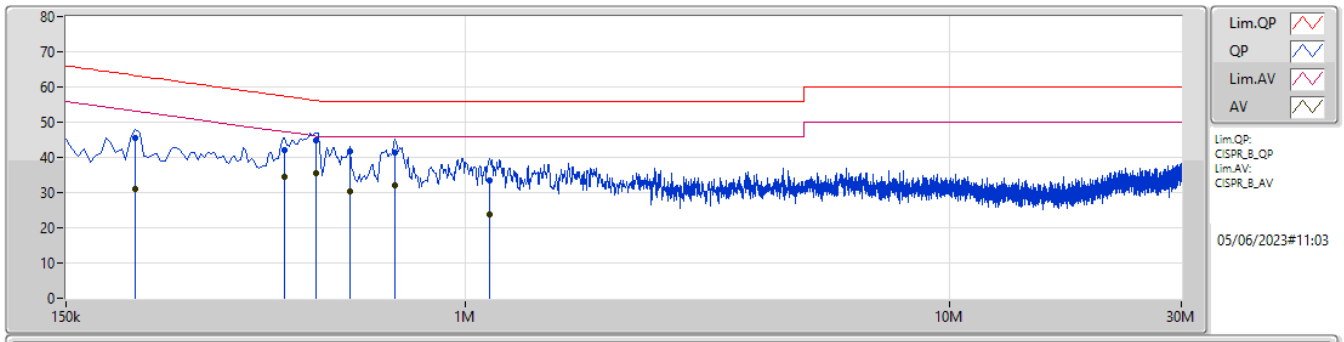
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	492k	35.45	46.13	-10.68	Neutral

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	45.42	65.75	-20.33	10.00	Line	-	35.42	0.09	0.04	9.87
AV	154.5k	27.09	55.75	-28.66	10.00	Line	-	17.09	0.09	0.04	9.87
QP	181.5k	47.11	64.41	-17.30	9.98	Line	-	37.13	0.08	0.04	9.86
AV	181.5k	29.41	54.41	-25.00	9.98	Line	-	19.43	0.08	0.04	9.86
QP	235.5k	41.85	62.25	-20.40	9.99	Line	-	31.86	0.08	0.04	9.87
AV	235.5k	30.74	52.25	-21.51	9.99	Line	-	20.75	0.08	0.04	9.87
QP	474k	43.39	56.44	-13.05	10.05	Line	-	33.34	0.09	0.06	9.90
AV	474k	35.32	46.44	-11.12	10.05	Line	"Worst"	25.27	0.09	0.06	9.90
QP	496.5k	43.59	56.06	-12.47	10.05	Line	-	33.54	0.09	0.06	9.90
AV	496.5k	32.79	46.06	-13.27	10.05	Line	-	22.74	0.09	0.06	9.90
QP	703.5k	39.24	56.00	-16.76	10.05	Line	-	29.19	0.10	0.05	9.90
AV	703.5k	30.47	46.00	-15.53	10.05	Line	-	20.42	0.10	0.05	9.90

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	208.5k	45.62	63.27	-17.65	9.97	Neutral	-	35.65	0.07	0.04	9.86
AV	208.5k	31.02	53.27	-22.25	9.97	Neutral	-	21.05	0.07	0.04	9.86
QP	424.5k	42.18	57.36	-15.18	10.03	Neutral	-	32.15	0.07	0.06	9.90
AV	424.5k	34.49	47.36	-12.87	10.03	Neutral	-	24.46	0.07	0.06	9.90
QP	492k	44.81	56.13	-11.32	10.03	Neutral	-	34.78	0.07	0.06	9.90
AV	492k	35.45	46.13	-10.68	10.03	Neutral	"Worst"	25.42	0.07	0.06	9.90
QP	577.5k	41.56	56.00	-14.44	10.02	Neutral	-	31.54	0.07	0.05	9.90
AV	577.5k	30.39	46.00	-15.61	10.02	Neutral	-	20.37	0.07	0.05	9.90
QP	717k	41.26	56.00	-14.74	10.03	Neutral	-	31.23	0.08	0.05	9.90
AV	717k	32.03	46.00	-13.97	10.03	Neutral	-	22.00	0.08	0.05	9.90
QP	1.122M	33.53	56.00	-22.47	10.03	Neutral	-	23.50	0.08	0.05	9.90
AV	1.122M	23.75	46.00	-22.25	10.03	Neutral	-	13.72	0.08	0.05	9.90

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	12.489M	12M5G1D	7.525M	12.069M
802.11g_Nss1,(6Mbps)_2TX	16.025M	18.625M	18M6D1D	15.725M	16.668M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.425M	19.24M	19M2D1D	17.625M	18.866M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.6M	37.831M	37M8D1D	32.6M	37.581M

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

Result

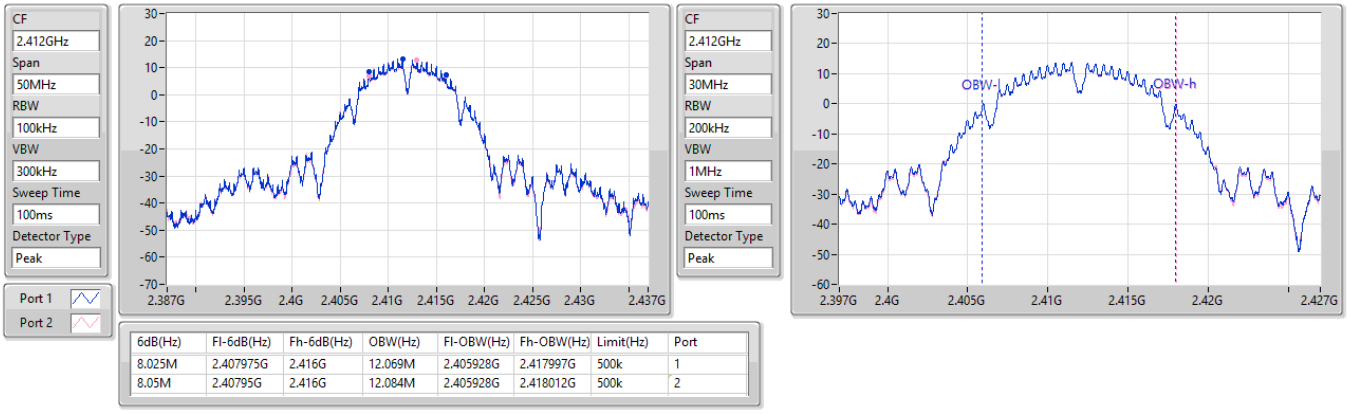
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.025M	12.069M	8.05M	12.084M
2437MHz	Pass	500k	8.025M	12.474M	8.05M	12.489M
2462MHz	Pass	500k	7.525M	12.279M	8.025M	12.249M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.8M	16.668M	15.975M	16.668M
2437MHz	Pass	500k	16.025M	18.427M	16M	18.625M
2462MHz	Pass	500k	15.725M	16.844M	15.925M	16.844M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.425M	18.866M	18.35M	18.866M
2437MHz	Pass	500k	18.3M	19.19M	17.625M	19.24M
2462MHz	Pass	500k	18.15M	19.065M	18.125M	19.09M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.6M	37.781M	37.5M	37.831M
2437MHz	Pass	500k	35.15M	37.681M	35.85M	37.681M
2452MHz	Pass	500k	33.8M	37.581M	32.6M	37.581M

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

07/06/2023

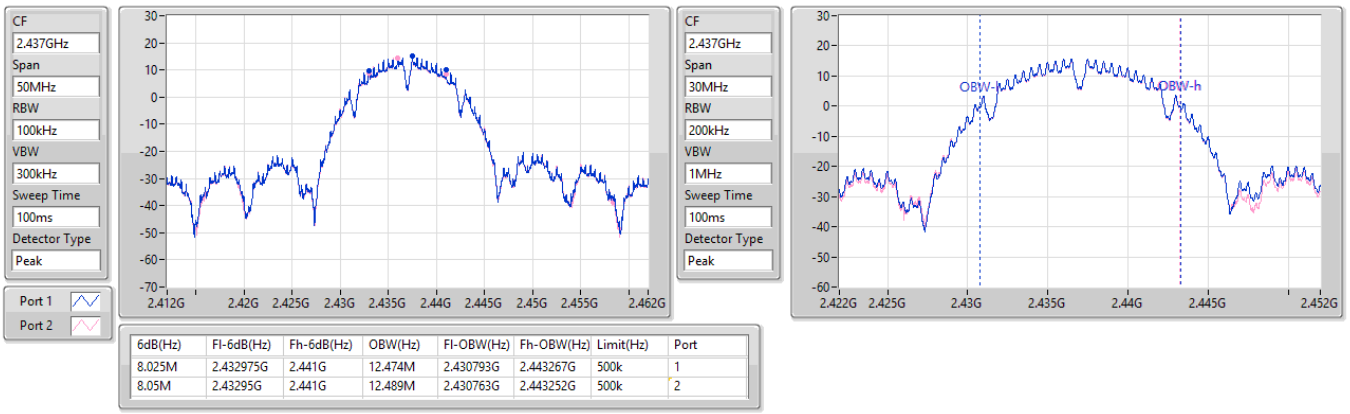


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.407975G	2.416G	12.069M	2.405928G	2.417997G	500k	1
8.05M	2.40795G	2.416G	12.084M	2.405928G	2.418012G	500k	2

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

2437MHz

07/06/2023

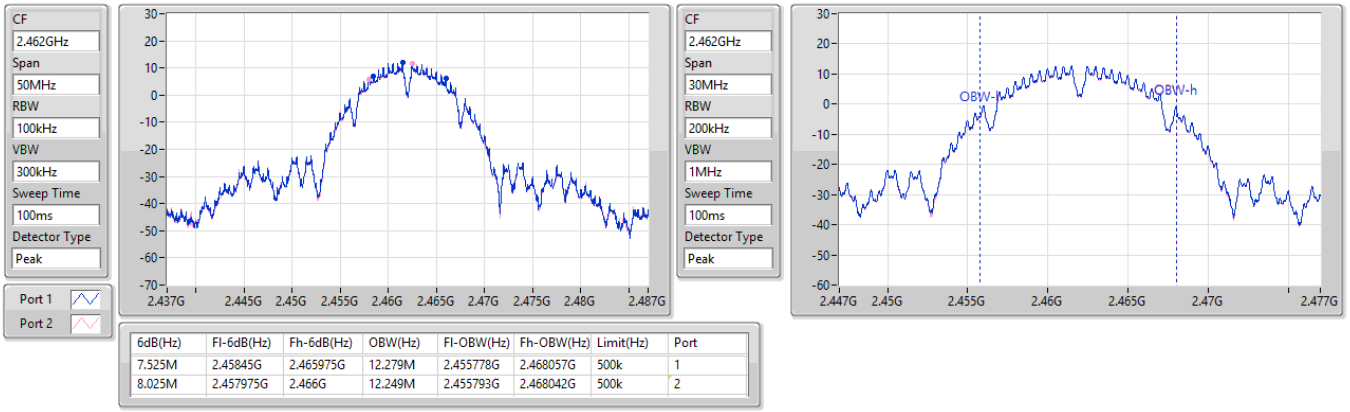


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.432975G	2.441G	12.474M	2.430793G	2.443267G	500k	1
8.05M	2.43295G	2.441G	12.489M	2.430763G	2.443252G	500k	2

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

2462MHz

07/06/2023

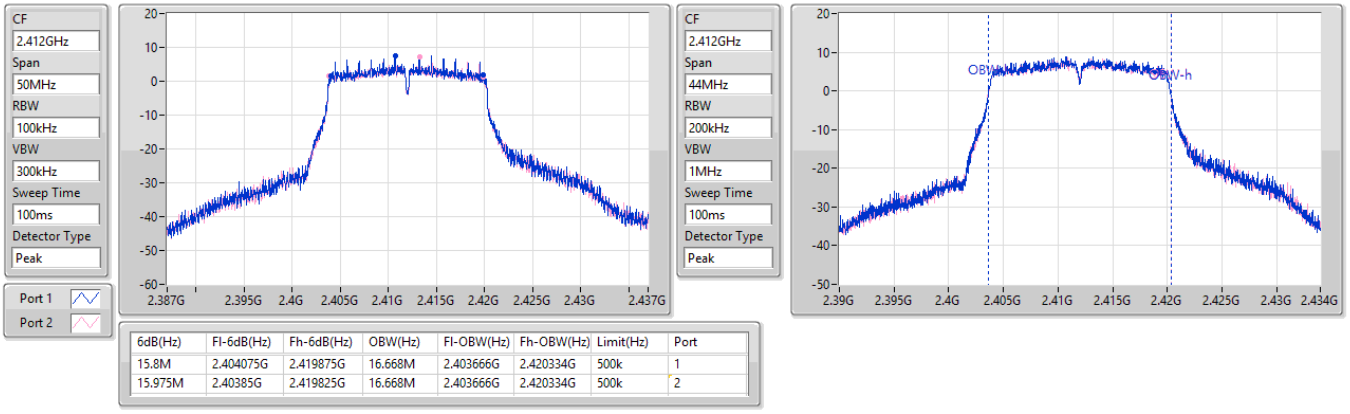


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.45845G	2.465975G	12.279M	2.455778G	2.468057G	500k	1
8.025M	2.457975G	2.466G	12.249M	2.455793G	2.468042G	500k	2

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

2412MHz

07/06/2023

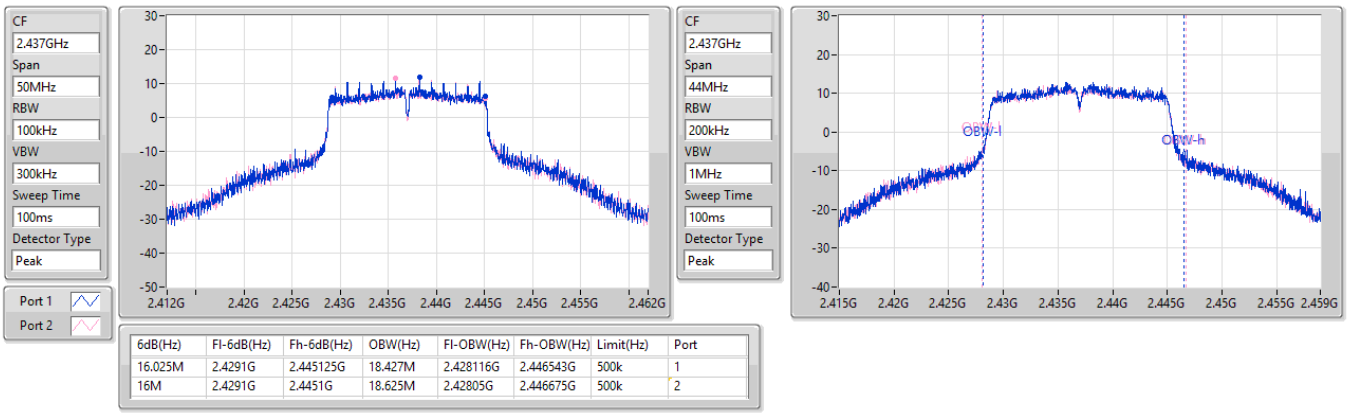


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.8M	2.404075G	2.419875G	16.668M	2.403666G	2.420334G	500k	1
15.975M	2.40385G	2.419825G	16.668M	2.403666G	2.420334G	500k	2

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

2437MHz

07/06/2023

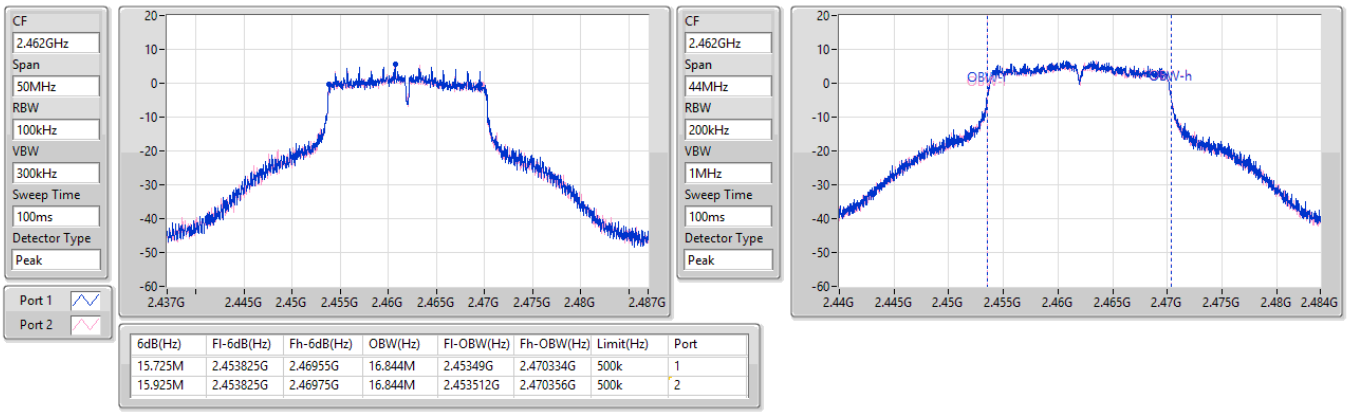


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.025M	2.4291G	2.445125G	18.427M	2.428116G	2.446543G	500k	1
16M	2.4291G	2.4451G	18.625M	2.42805G	2.446675G	500k	2

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

2462MHz

07/06/2023

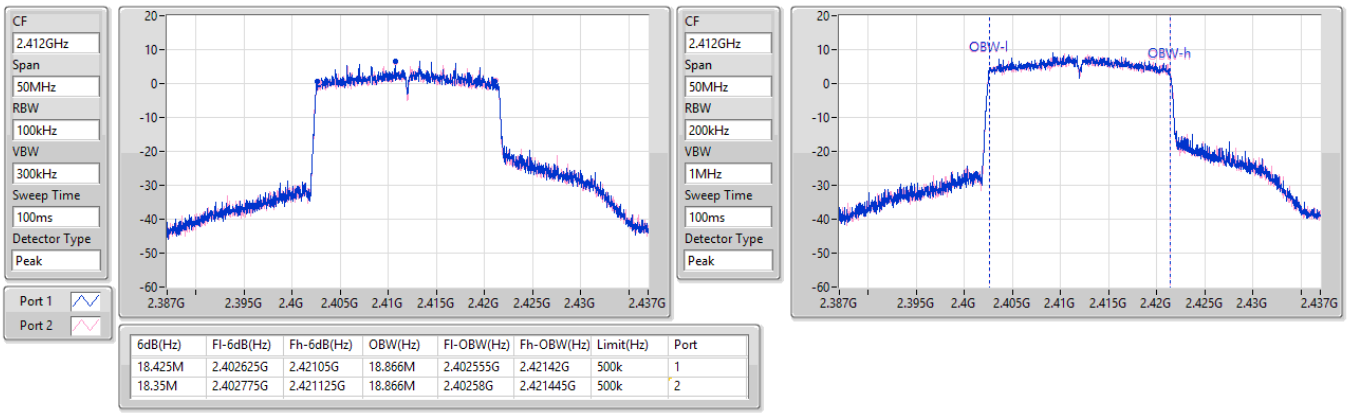


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.725M	2.453825G	2.46955G	16.844M	2.45349G	2.470334G	500k	1
15.925M	2.453825G	2.46975G	16.844M	2.453512G	2.470356G	500k	2

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

2412MHz

07/06/2023

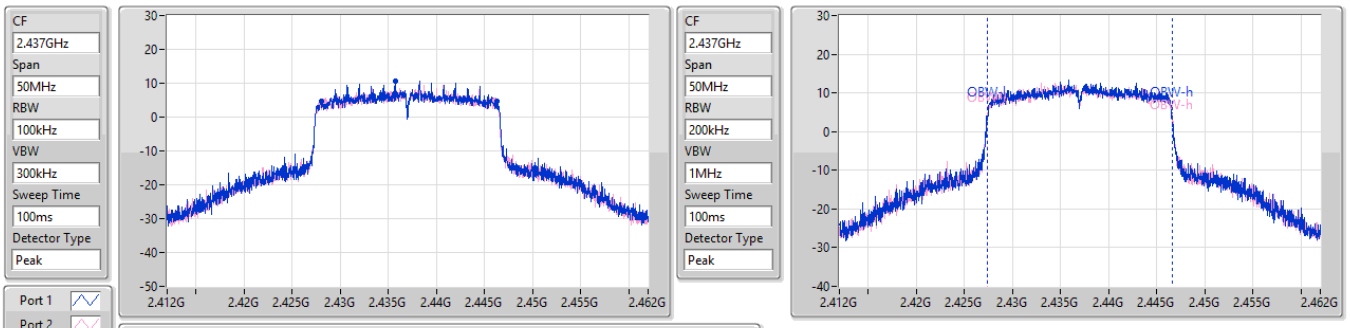


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.425M	2.402625G	2.42105G	18.866M	2.402555G	2.42142G	500k	1
18.35M	2.402775G	2.421125G	18.866M	2.40258G	2.421445G	500k	2

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

2437MHz

07/06/2023

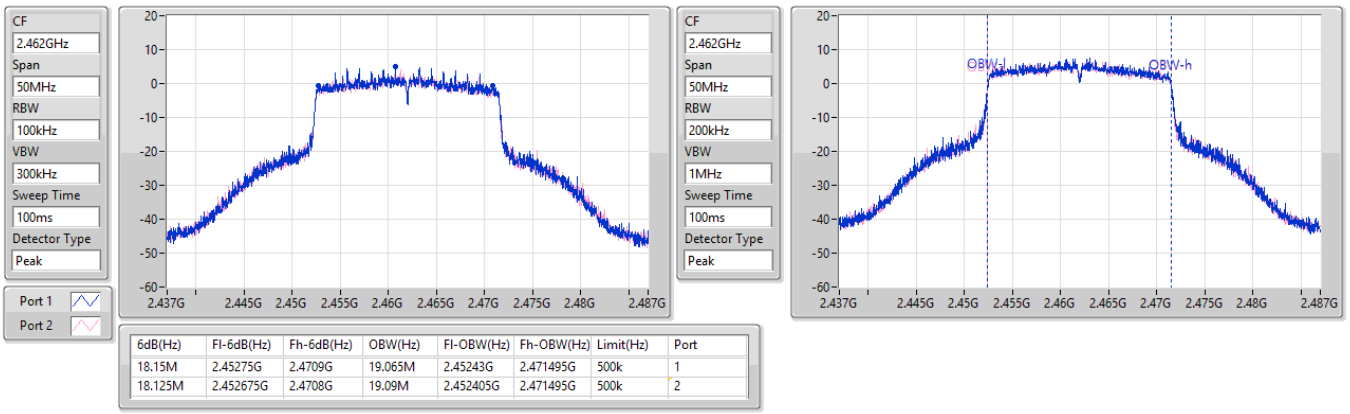


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.3M	2.428025G	2.446325G	19.19M	2.427405G	2.446595G	500k	1
17.625M	2.428425G	2.44605G	19.24M	2.427405G	2.446645G	500k	2

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

2462MHz

07/06/2023

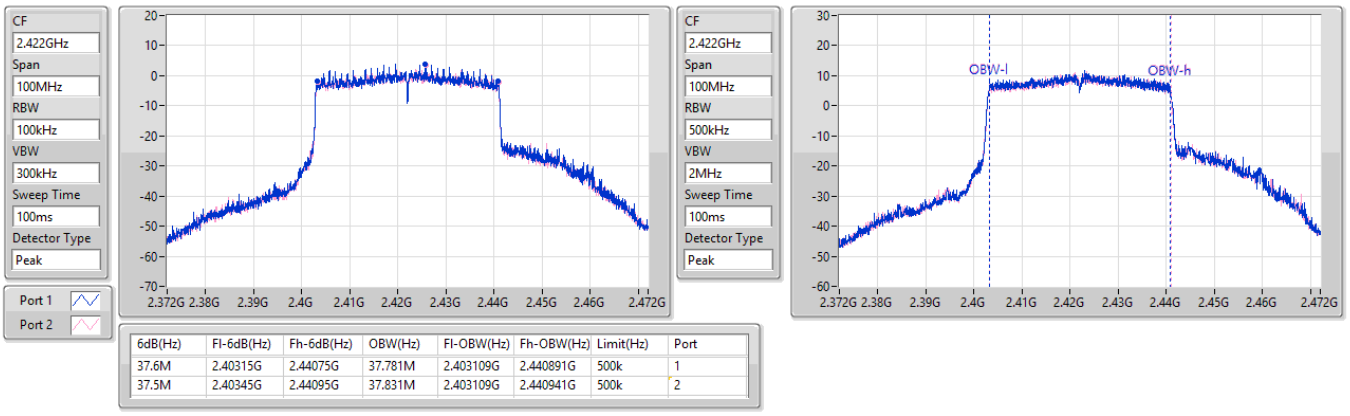


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.15M	2.45275G	2.4709G	19.065M	2.45243G	2.471495G	500k	1
18.125M	2.452675G	2.4708G	19.09M	2.452405G	2.471495G	500k	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

2422MHz

07/06/2023

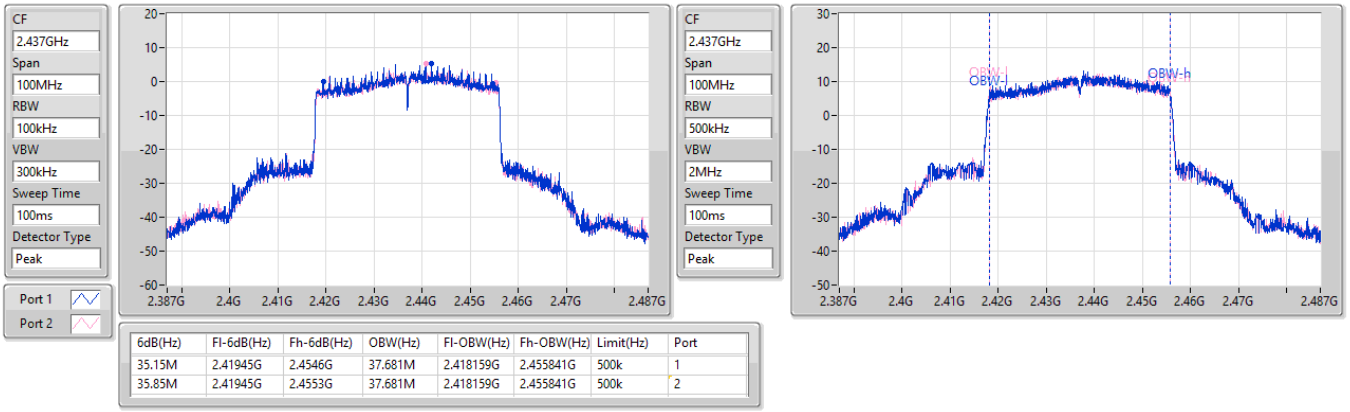


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.40315G	2.44075G	37.781M	2.403109G	2.440891G	500k	1
37.5M	2.40345G	2.44095G	37.831M	2.403109G	2.440941G	500k	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

2437MHz

07/06/2023

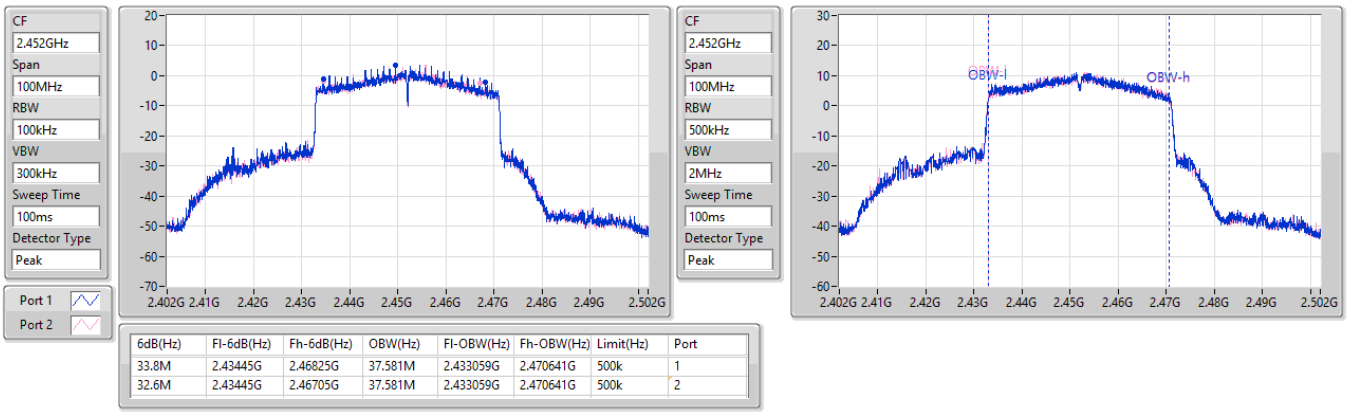


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.15M	2.41945G	2.4546G	37.681M	2.418159G	2.455841G	500k	1
35.85M	2.41945G	2.4553G	37.681M	2.418159G	2.455841G	500k	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

2452MHz

07/06/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.8M	2.43445G	2.46825G	37.581M	2.433059G	2.470641G	500k	1
32.6M	2.43445G	2.46705G	37.581M	2.433059G	2.470641G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.20	0.33113
802.11g_Nss1,(6Mbps)_2TX	23.43	0.22029
802.11ax HEW20_Nss1,(MCS0)_2TX	22.56	0.18030
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.56	0.18030
802.11ax HEW40_Nss1,(MCS0)_2TX	19.45	0.08810
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.45	0.08810

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.70	20.12	19.94	23.04	30.00
2437MHz	Pass	2.70	22.23	22.14	25.20	30.00
2457MHz	Pass	2.70	21.62	21.12	24.39	30.00
2462MHz	Pass	2.70	19.01	18.20	21.63	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.70	16.83	16.49	19.67	30.00
2417MHz	Pass	2.70	18.17	17.70	20.95	30.00
2437MHz	Pass	2.70	20.64	20.19	23.43	30.00
2457MHz	Pass	2.70	17.51	17.12	20.33	30.00
2462MHz	Pass	2.70	14.63	13.85	17.27	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.70	15.74	15.45	18.61	30.00
2417MHz	Pass	2.70	17.55	17.14	20.36	30.00
2437MHz	Pass	2.70	19.89	19.19	22.56	30.00
2457MHz	Pass	2.70	15.85	15.46	18.67	30.00
2462MHz	Pass	2.70	14.17	13.35	16.79	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.70	15.59	15.25	18.43	30.00
2437MHz	Pass	2.70	16.71	16.16	19.45	30.00
2452MHz	Pass	2.70	14.85	14.41	17.65	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.08	15.74	15.45	18.61	30.00
2417MHz	Pass	5.08	17.55	17.14	20.36	30.00
2437MHz	Pass	5.08	19.89	19.19	22.56	30.00
2457MHz	Pass	5.08	15.85	15.46	18.67	30.00
2462MHz	Pass	5.08	14.17	13.35	16.79	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.08	15.59	15.25	18.43	30.00
2437MHz	Pass	5.08	16.71	16.16	19.45	30.00
2452MHz	Pass	5.08	14.85	14.41	17.65	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	3.62
802.11g_Nss1,(6Mbps)_2TX	0.36
802.11ax HEW20_Nss1,(MCS0)_2TX	-1.51
802.11ax HEW40_Nss1,(MCS0)_2TX	-6.82

RBW = 3kHz;

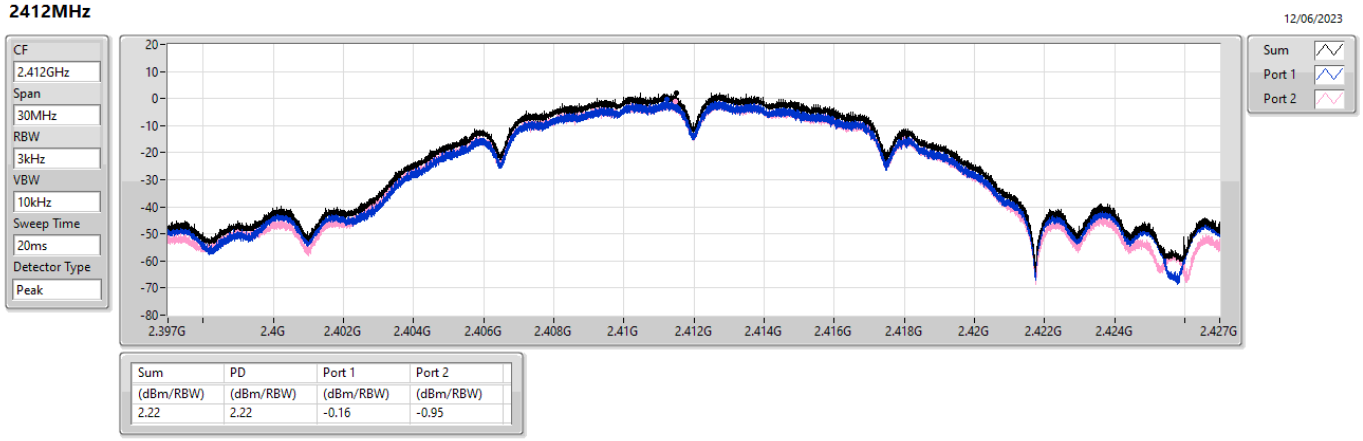
Result

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	5.08	-0.16	-0.95	2.22	8.00
2437MHz	Pass	5.08	1.85	0.45	3.62	8.00
2462MHz	Pass	5.08	-0.71	-1.12	2.10	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.08	-6.08	-6.37	-4.05	8.00
2437MHz	Pass	5.08	-2.10	-2.93	0.36	8.00
2462MHz	Pass	5.08	-7.35	-8.96	-5.74	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.08	-7.70	-7.94	-4.81	8.00
2437MHz	Pass	5.08	-4.04	-4.22	-1.51	8.00
2462MHz	Pass	5.08	-8.51	-10.31	-6.73	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.08	-10.24	-10.53	-7.71	8.00
2437MHz	Pass	5.08	-9.20	-9.44	-6.82	8.00
2452MHz	Pass	5.08	-10.63	-10.98	-7.94	8.00

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

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

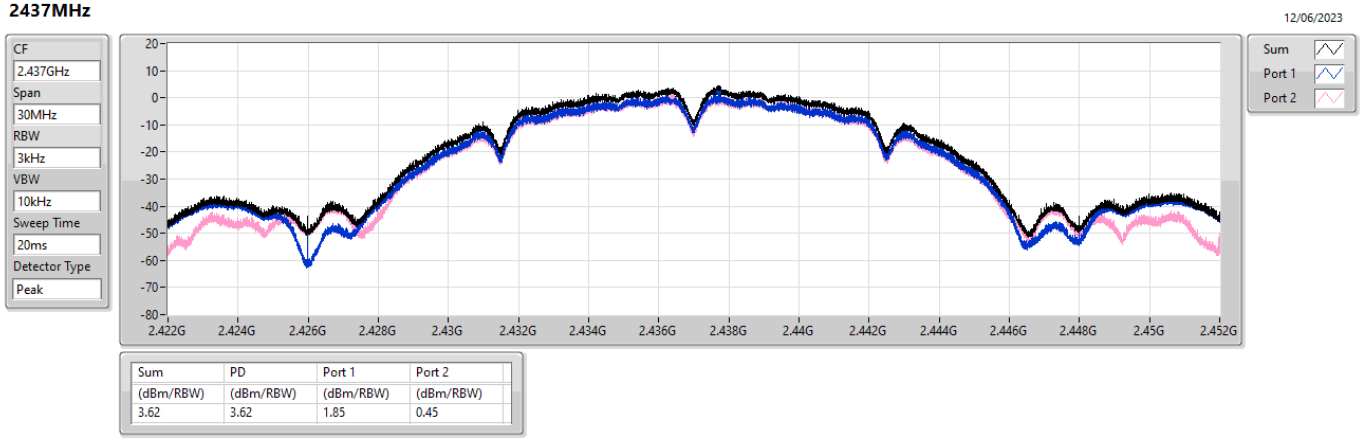
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.22	2.22	-0.16	-0.95

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

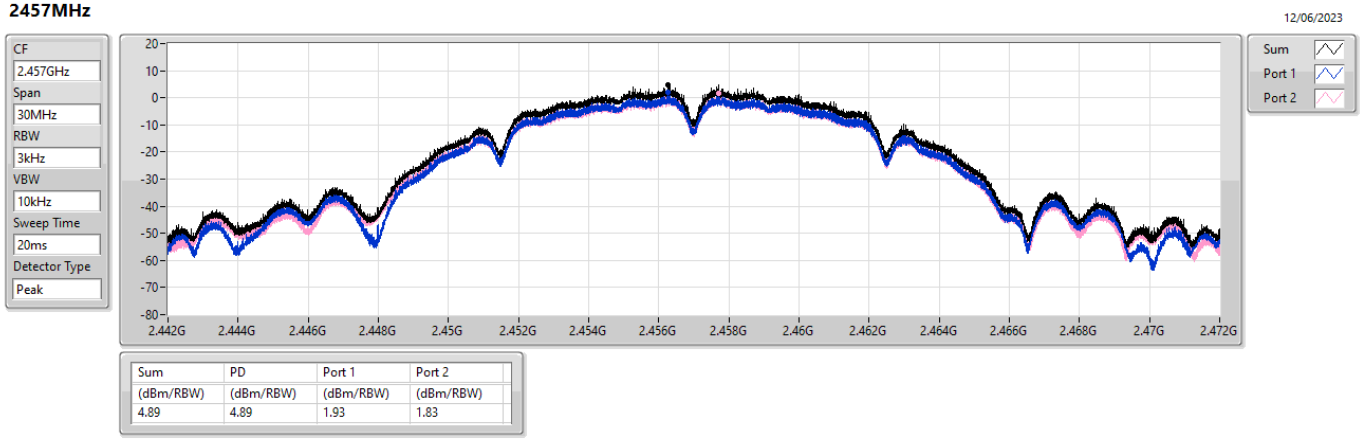
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.62	3.62	1.85	0.45

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

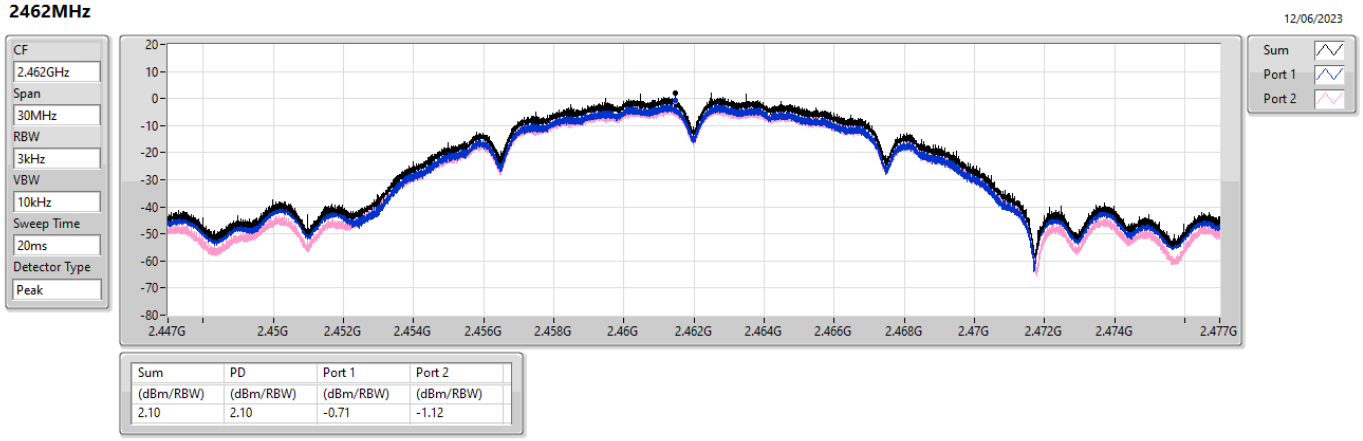
2457MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.89	4.89	1.93	1.83

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

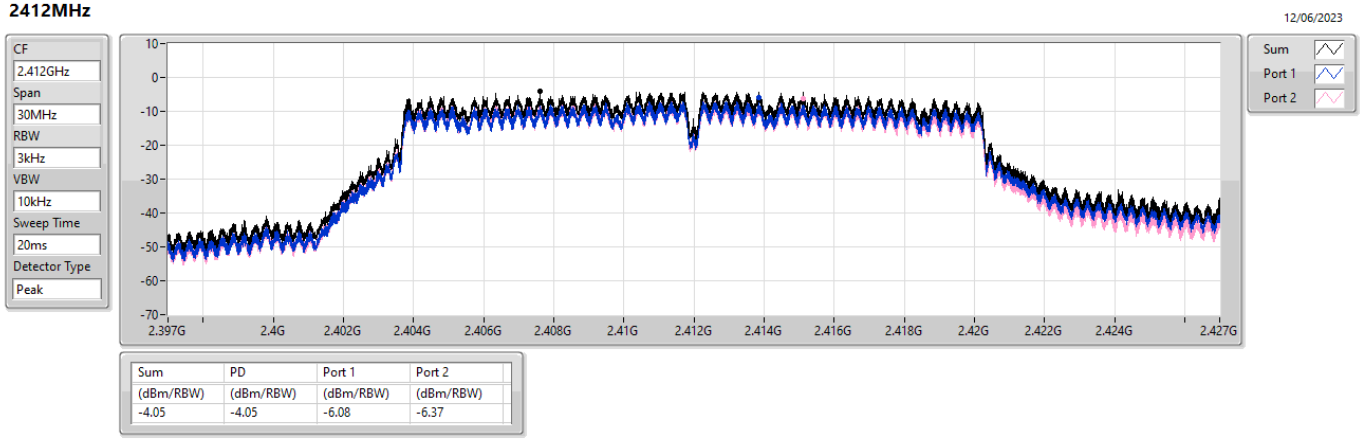
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.10	2.10	-0.71	-1.12

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

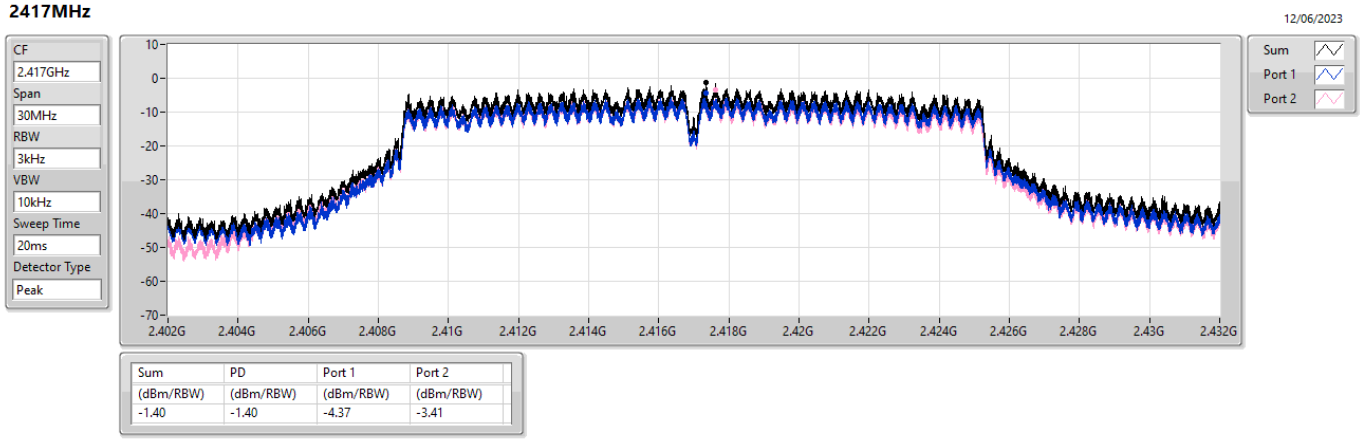
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.05	-4.05	-6.08	-6.37

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

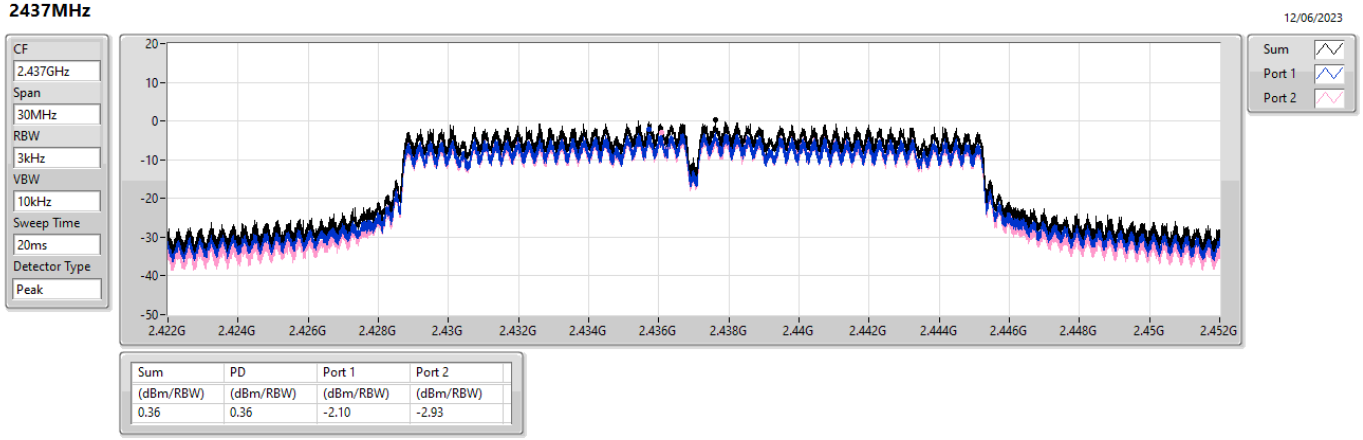
2417MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.40	-1.40	-4.37	-3.41

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

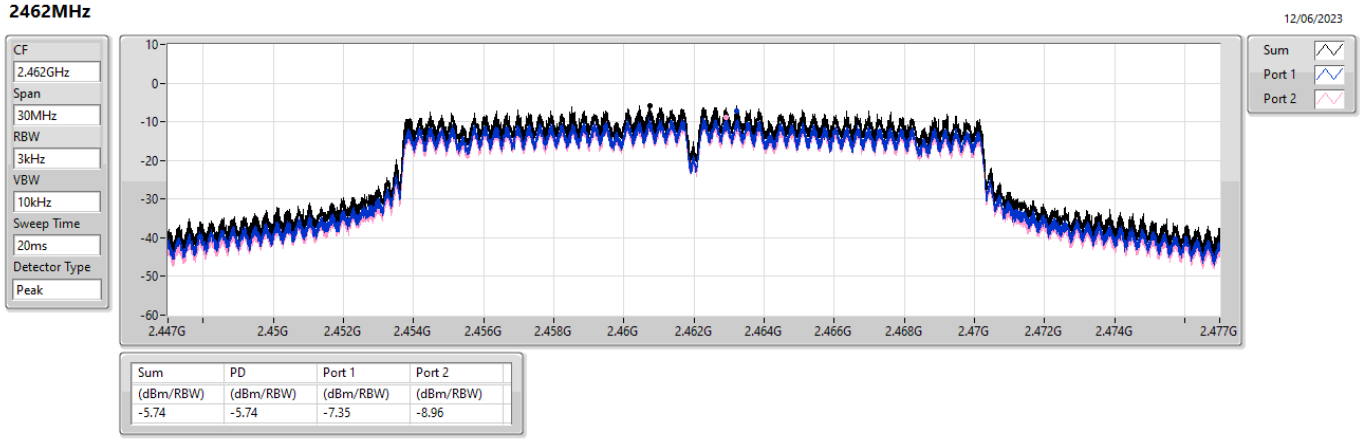
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.36	0.36	-2.10	-2.93

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

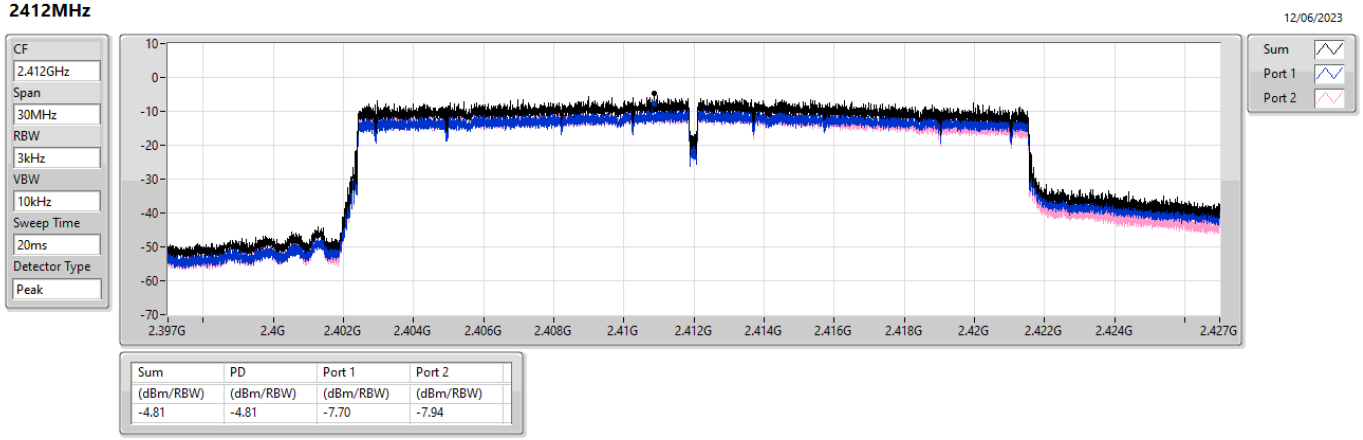
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.74	-5.74	-7.35	-8.96

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

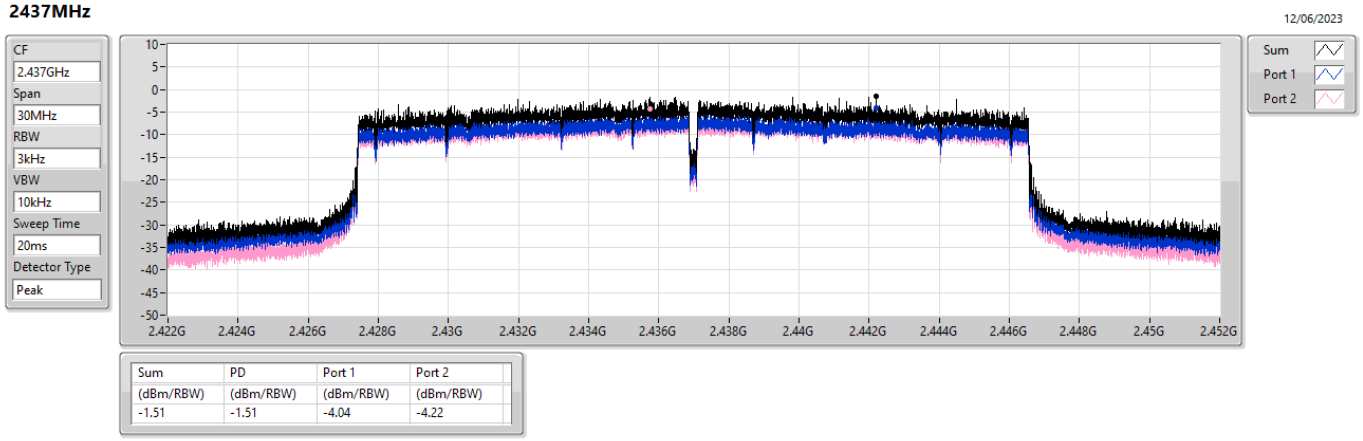
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.81	-4.81	-7.70	-7.94

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

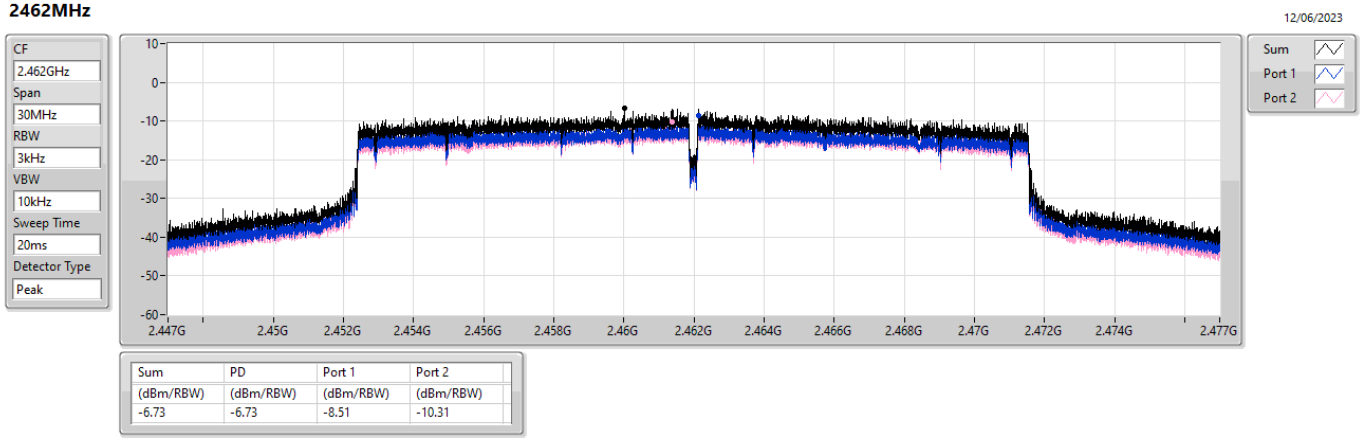
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.51	-1.51	-4.04	-4.22

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

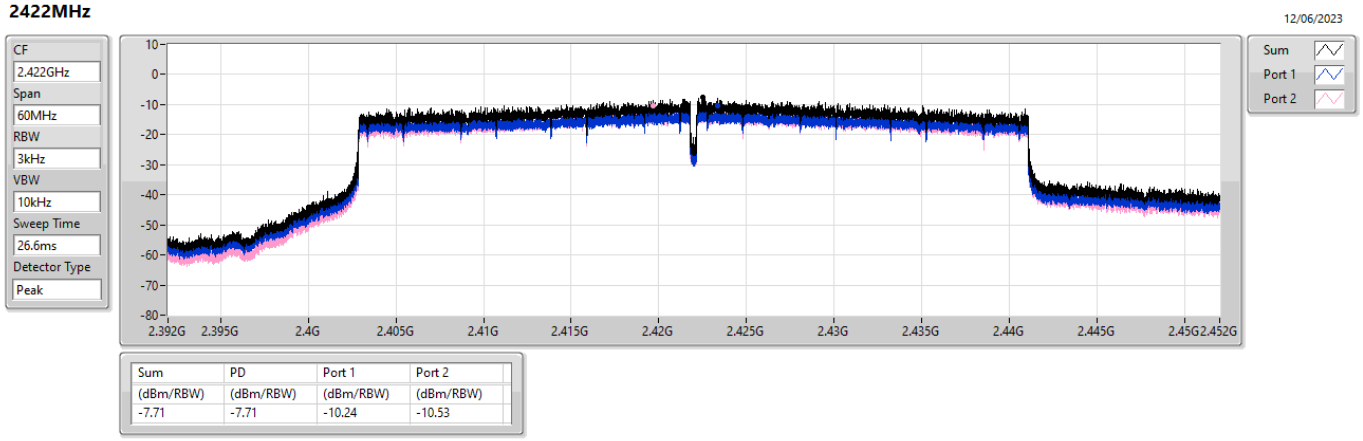
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.73	-6.73	-8.51	-10.31

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

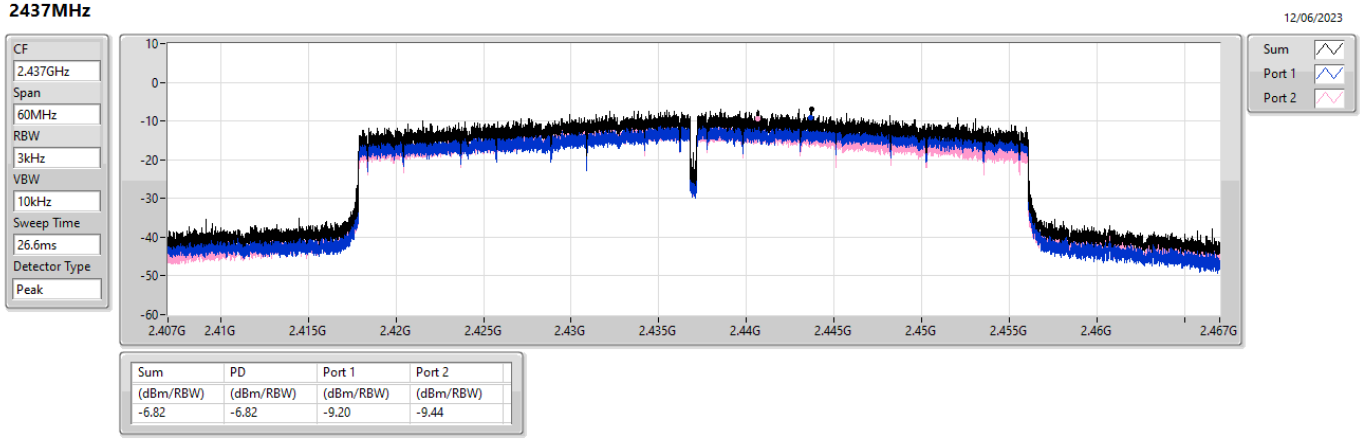
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.71	-7.71	-10.24	-10.53

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

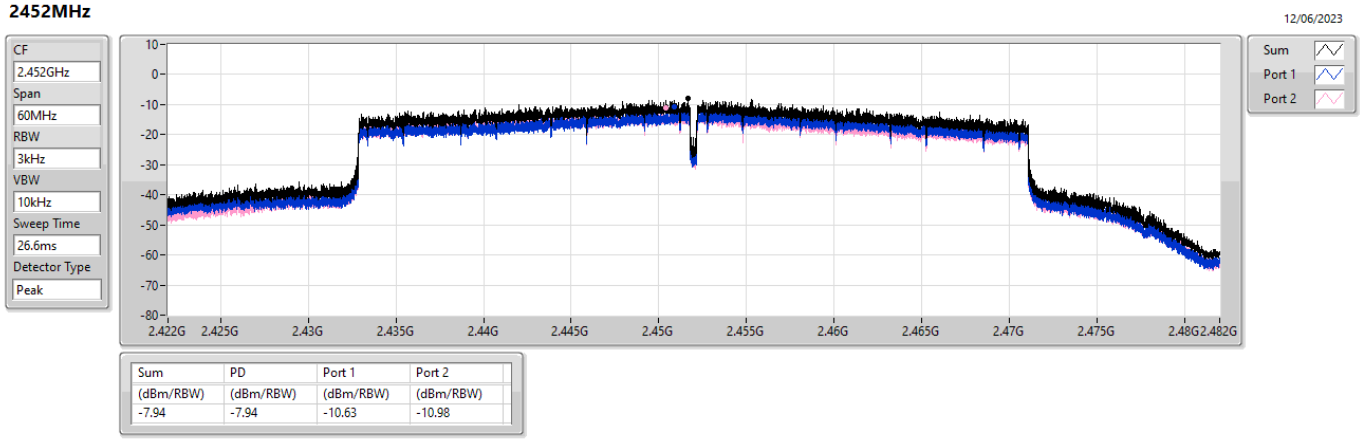
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.82	-6.82	-9.20	-9.44

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.94	-7.94	-10.63	-10.98

Summary

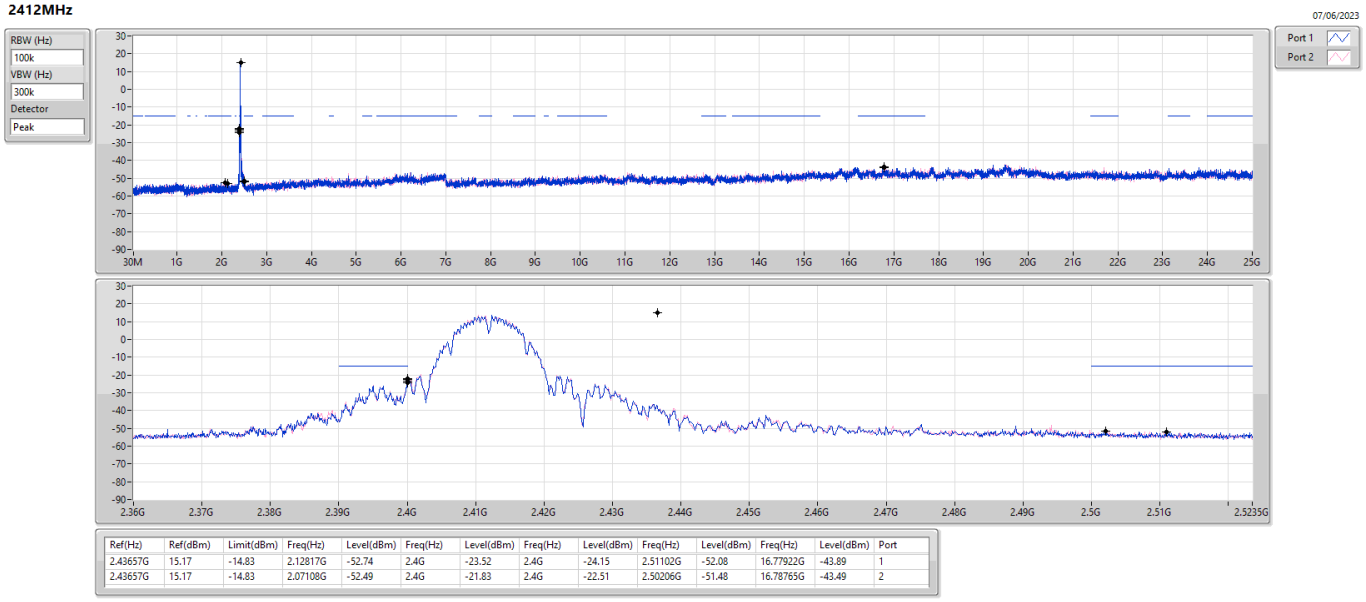
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43657G	15.17	-14.83	2.07108G	-52.49	2.4G	-21.83	2.4G	-22.51	2.50206G	-51.48	16.78765G	-43.49	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	11.83	-18.17	2.15496G	-52.76	2.39984G	-23.07	2.4G	-24.53	2.5119G	-51.83	16.50388G	-44.26	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43574G	10.64	-19.36	1.91381G	-52.39	2.39968G	-29.26	2.4G	-28.22	2.5095G	-51.01	24.76962G	-44.59	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.44192G	5.44	-24.56	1.93185G	-52.58	2.39952G	-30.92	2.4G	-31.04	2.50094G	-51.57	23.14058G	-43.84	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	2.43657G	15.17	-14.83	2.12817G	-52.74	2.4G	-23.52	2.4G	-24.15	2.51102G	-52.08	16.77922G	-43.89	1
2412MHz	Pass	2.43657G	15.17	-14.83	2.07108G	-52.49	2.4G	-21.83	2.4G	-22.51	2.50206G	-51.48	16.78765G	-43.49	2
2437MHz	Pass	2.43657G	15.17	-14.83	1.9406G	-52.22	2.4G	-43.99	2.4G	-46.64	2.50222G	-49.63	17.6249G	-43.65	1
2437MHz	Pass	2.43657G	15.17	-14.83	1.8241G	-51.55	2.39904G	-43.89	2.4G	-45.95	2.50198G	-49.88	17.04051G	-44.23	2
2462MHz	Pass	2.43657G	15.17	-14.83	2.10953G	-52.82	2.39104G	-50.55	2.4G	-52.62	2.50246G	-48.01	17.61366G	-44.36	1
2462MHz	Pass	2.43657G	15.17	-14.83	944.53M	-52.39	2.3912G	-50.75	2.4G	-52.27	2.50254G	-48.58	16.76517G	-43.34	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	11.83	-18.17	2.15496G	-52.76	2.39984G	-23.07	2.4G	-24.53	2.5119G	-51.83	16.50388G	-44.26	1
2412MHz	Pass	2.43574G	11.83	-18.17	2.10137G	-52.05	2.3992G	-25.04	2.4G	-24.91	2.50934G	-51.55	17.41137G	-43.71	2
2437MHz	Pass	2.43574G	11.83	-18.17	1.65052G	-53.13	2.39992G	-31.69	2.4G	-32.49	2.50102G	-46.75	24.79209G	-44.60	1
2437MHz	Pass	2.43574G	11.83	-18.17	2.19224G	-52.70	2.39992G	-31.28	2.4G	-32.86	2.50014G	-47.48	17.62771G	-44.27	2
2462MHz	Pass	2.43574G	11.83	-18.17	1.99186G	-52.48	2.39512G	-50.51	2.4G	-50.85	2.5031G	-49.95	24.25547G	-44.48	1
2462MHz	Pass	2.43574G	11.83	-18.17	932.88M	-52.91	2.39952G	-49.64	2.4G	-51.91	2.50254G	-49.98	17.49004G	-44.45	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	10.64	-19.36	558.91M	-52.58	2.39912G	-29.77	2.4G	-32.01	2.5195G	-51.41	15.22272G	-44.50	1
2412MHz	Pass	2.43574G	10.64	-19.36	1.91381G	-52.39	2.39968G	-29.26	2.4G	-28.22	2.5095G	-51.01	24.76962G	-44.59	2
2437MHz	Pass	2.43574G	10.64	-19.36	1.96274G	-52.87	2.3996G	-32.70	2.4G	-32.77	2.50014G	-47.80	16.74831G	-44.18	1
2437MHz	Pass	2.43574G	10.64	-19.36	2.07924G	-52.00	2.39968G	-33.50	2.4G	-33.41	2.50038G	-48.24	16.77079G	-44.20	2
2462MHz	Pass	2.43574G	10.64	-19.36	1.90798G	-52.67	2.39904G	-50.50	2.4G	-52.70	2.50166G	-50.85	16.20607G	-43.49	1
2462MHz	Pass	2.43574G	10.64	-19.36	1.63304G	-52.55	2.39144G	-50.95	2.4G	-52.50	2.50022G	-50.80	16.89441G	-44.37	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44192G	5.44	-24.56	1.8162G	-52.64	2.39952G	-31.10	2.4G	-31.59	2.50318G	-50.39	24.11095G	-44.48	1
2422MHz	Pass	2.44192G	5.44	-24.56	1.93185G	-52.58	2.39952G	-30.92	2.4G	-31.04	2.50094G	-51.57	23.14058G	-43.84	2
2437MHz	Pass	2.44192G	5.44	-24.56	423.88M	-52.90	2.4G	-35.33	2.4G	-34.69	2.5019G	-46.18	16.43487G	-43.85	1
2437MHz	Pass	2.44192G	5.44	-24.56	908.22M	-52.61	2.39728G	-35.40	2.4G	-34.59	2.5019G	-46.42	17.62961G	-44.02	2
2452MHz	Pass	2.44192G	5.44	-24.56	2.11619G	-52.91	2.39584G	-45.76	2.4G	-47.56	2.5011G	-48.75	17.40524G	-44.55	1
2452MHz	Pass	2.44192G	5.44	-24.56	287.63M	-52.79	2.39584G	-46.43	2.4G	-46.71	2.50318G	-49.19	17.61559G	-44.63	2

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

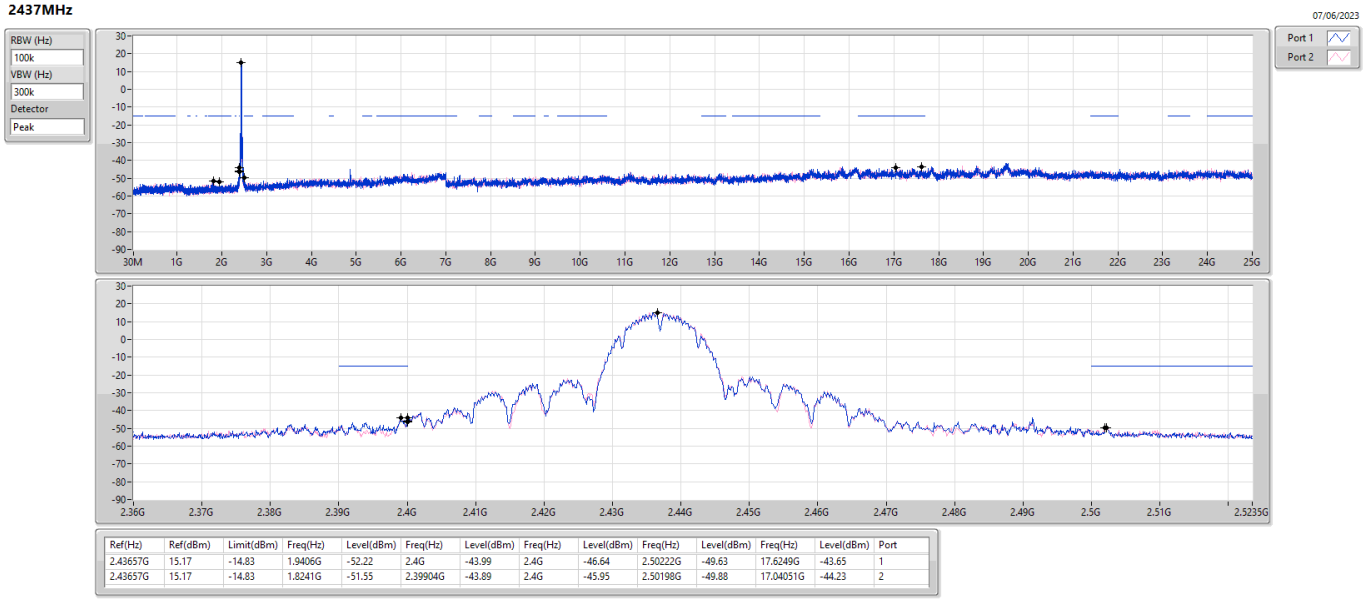
2412MHz



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
2.43657G	15.17	-14.83	2.12817G	-52.74	2.4G	-23.52	2.4G	-24.15	2.51102G	-52.08	16.77922G	-43.89	1
2.43657G	15.17	-14.83	2.07108G	-52.49	2.4G	-21.83	2.4G	-22.51	2.50206G	-51.48	16.78765G	-43.49	2

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

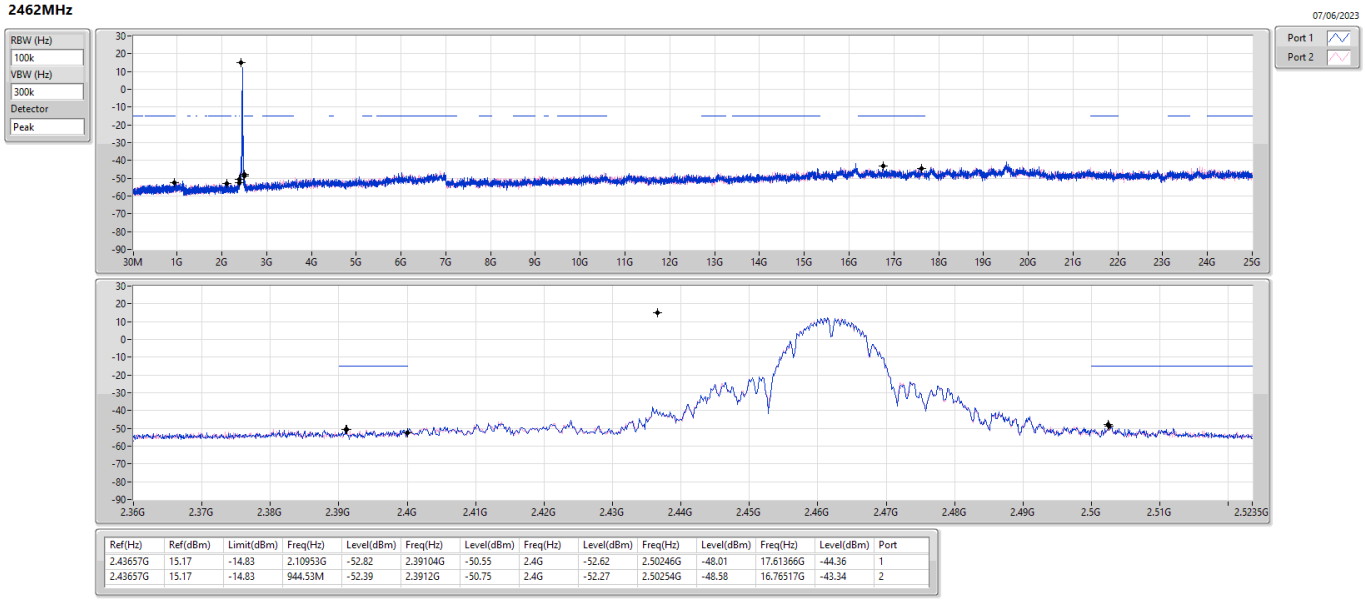
2437MHz



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
2.43657G	15.17	-14.83	1.9406G	-52.22	2.4G	-43.99	2.4G	-46.64	2.50222G	-49.63	17.6249G	-43.65	1
2.43657G	15.17	-14.83	1.8241G	-51.55	2.39904G	-43.89	2.4G	-45.95	2.50198G	-49.88	17.04051G	-44.23	2

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

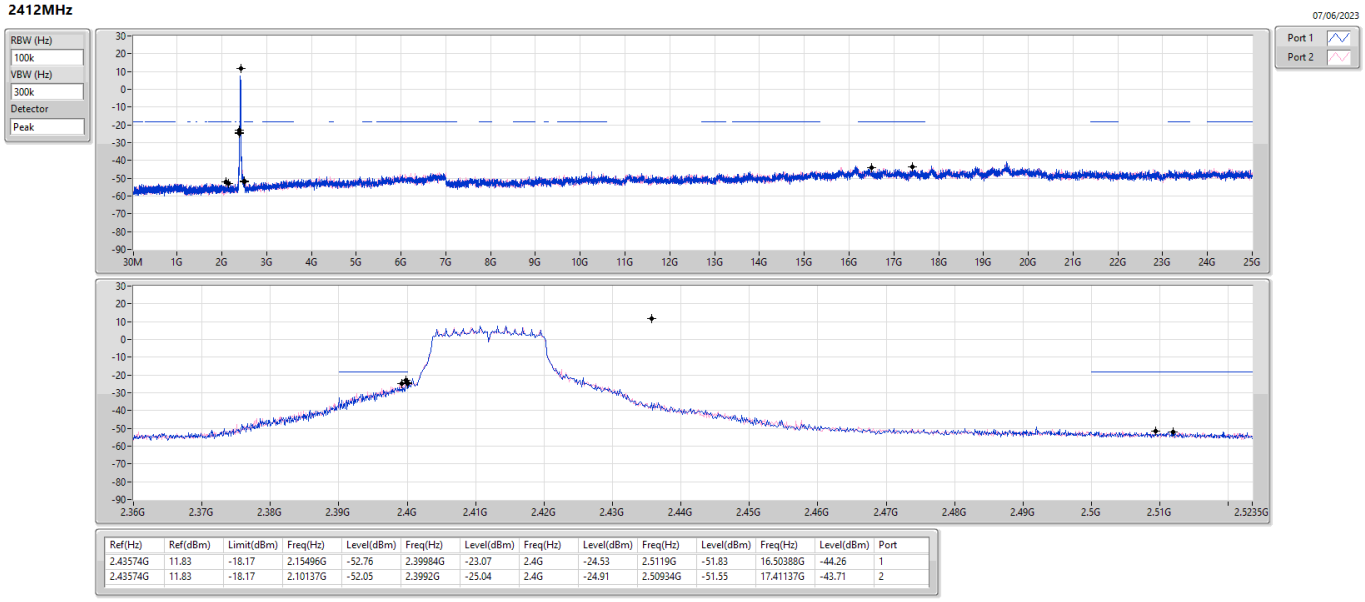
2462MHz



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
2.43657G	15.17	-14.83	2.10953G	-52.82	2.39104G	-50.55	2.4G	-52.62	2.50246G	-48.01	17.61366G	-44.36	1
2.43657G	15.17	-14.83	944.53M	-52.39	2.3912G	-50.75	2.4G	-52.27	2.50254G	-48.58	16.76517G	-43.34	2

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

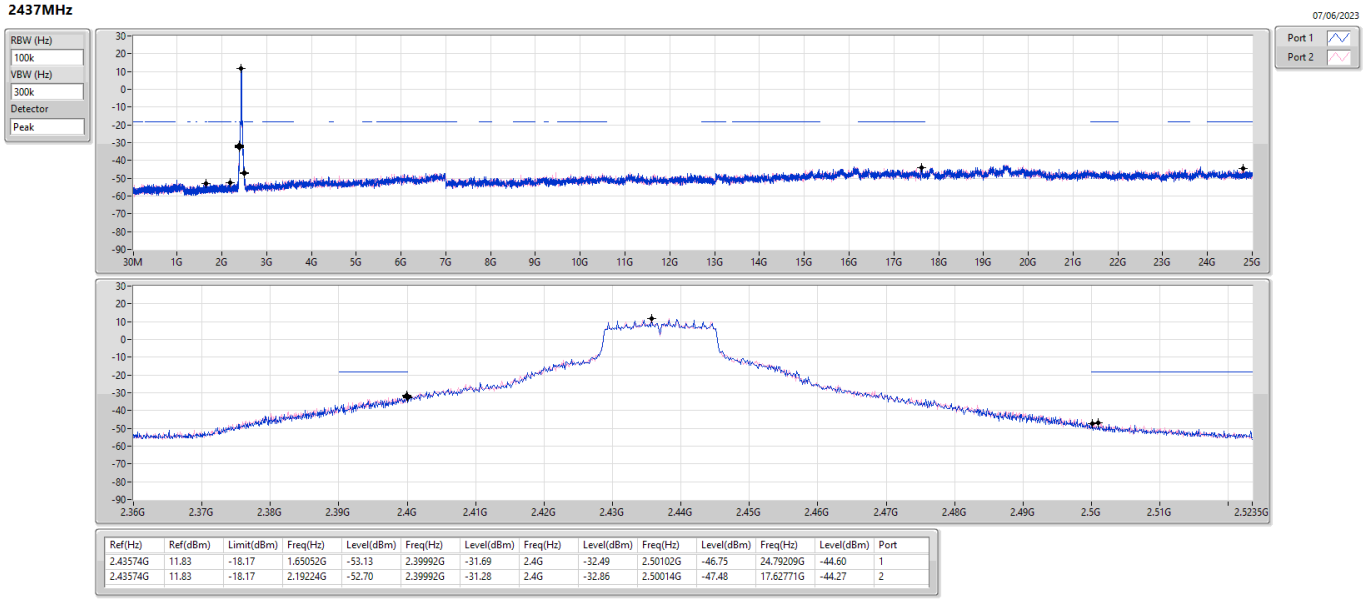
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	11.83	-18.17	2.15496G	-52.76	2.39984G	-23.07	2.4G	-24.53	2.5119G	-51.83	16.50388G	-44.26	1
2.43574G	11.83	-18.17	2.10137G	-52.05	2.3992G	-25.04	2.4G	-24.91	2.50934G	-51.55	17.41137G	-43.71	2

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

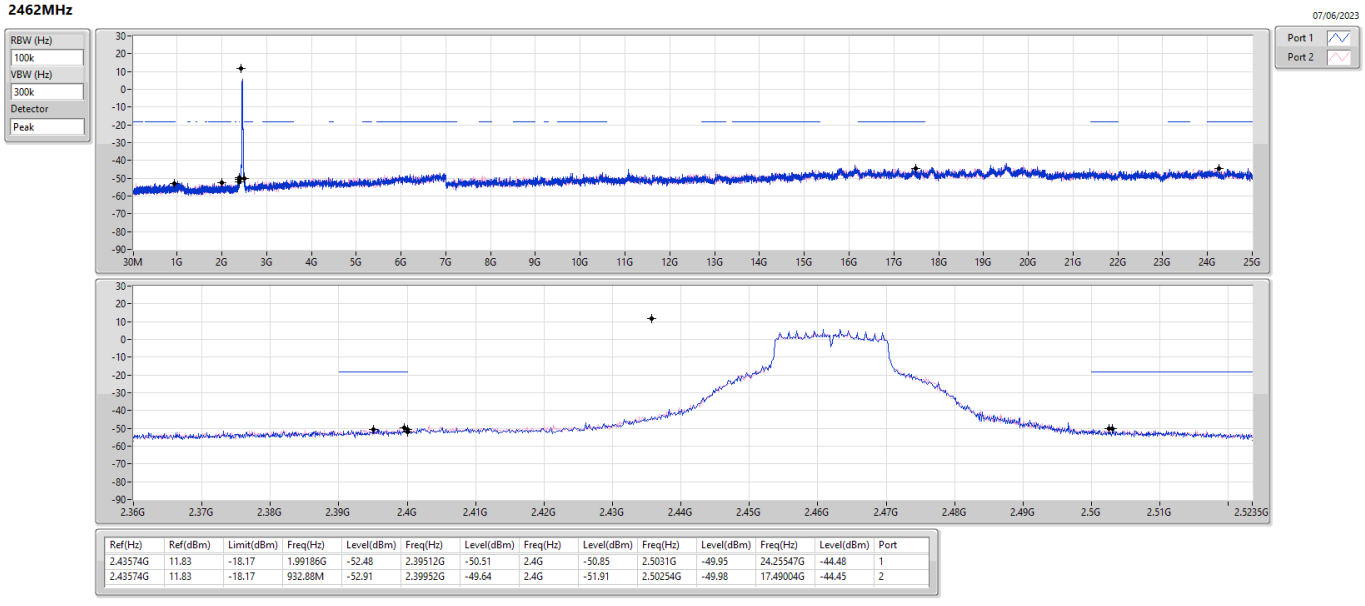
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	11.83	-18.17	1.65052G	-53.13	2.39992G	-31.69	2.4G	-32.49	2.50102G	-46.75	24.79209G	-44.60	1
2.43574G	11.83	-18.17	2.19224G	-52.70	2.39992G	-31.28	2.4G	-32.86	2.50014G	-47.48	17.62771G	-44.27	2

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

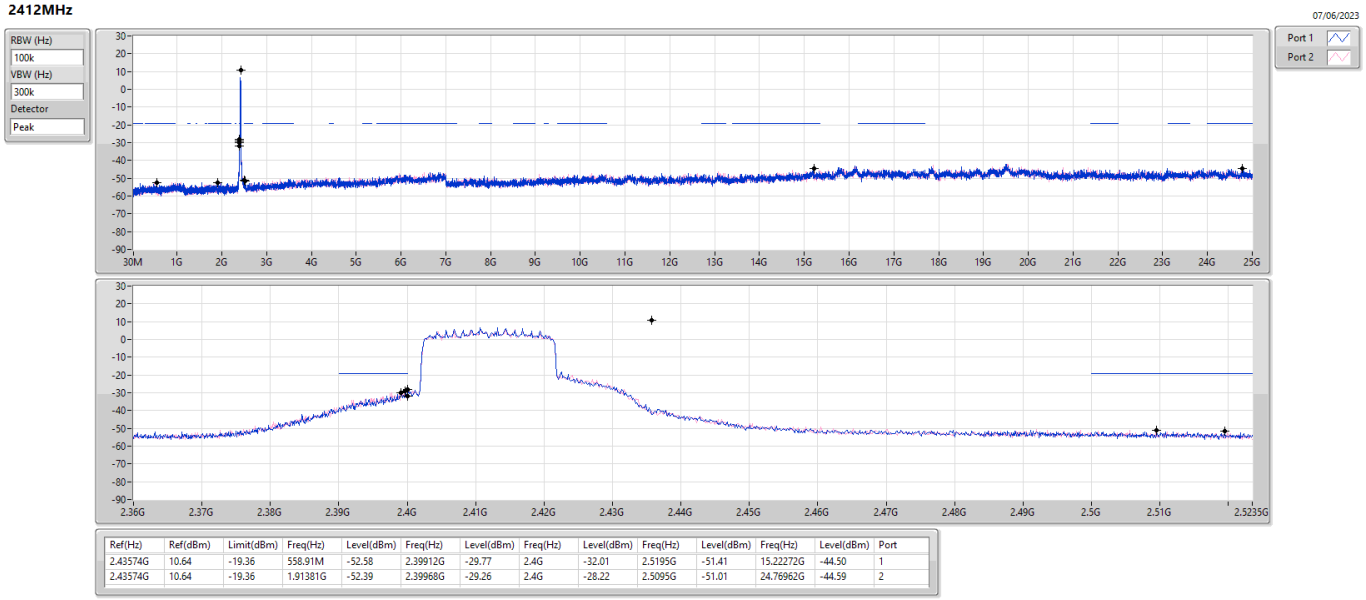
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	11.83	-18.17	1.99186G	-52.48	2.39512G	-50.51	2.4G	-50.85	2.5031G	-49.95	24.25547G	-44.48	1
2.43574G	11.83	-18.17	932.88M	-52.91	2.39952G	-49.64	2.4G	-51.91	2.50254G	-49.98	17.49004G	-44.45	2

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX CSENdB

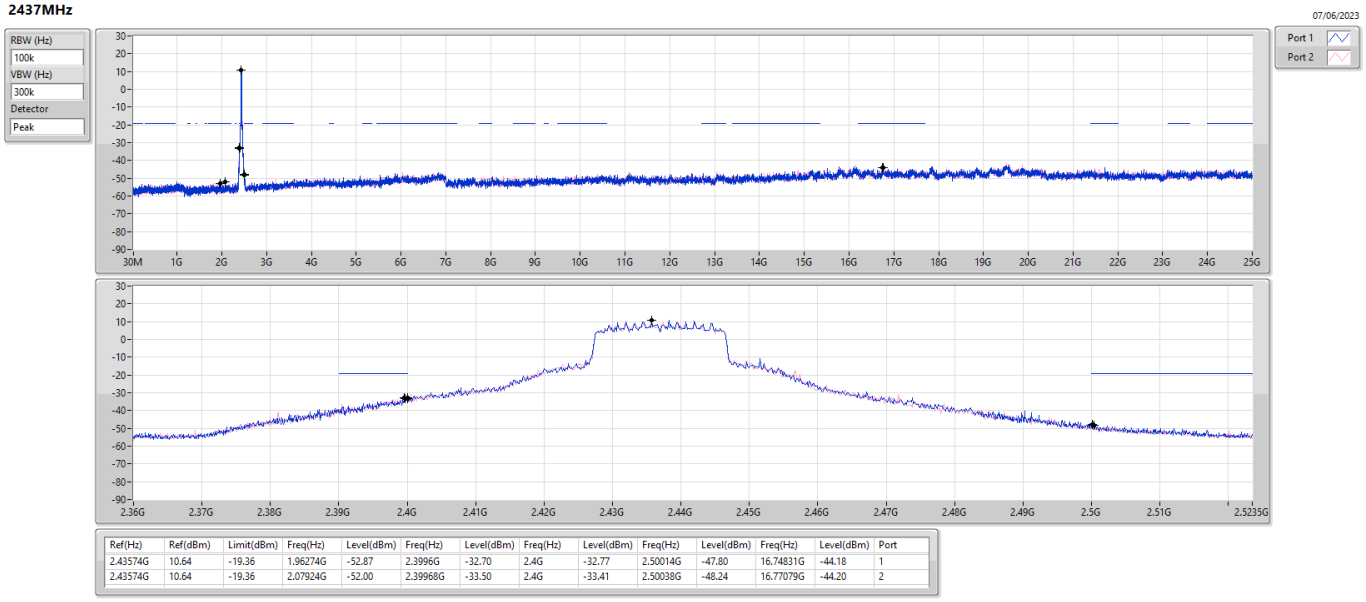
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	10.64	-19.36	558.91M	-52.58	2.39912G	-29.77	2.4G	-32.01	2.5195G	-51.41	15.22272G	-44.50	1
2.43574G	10.64	-19.36	1.91381G	-52.39	2.39968G	-29.26	2.4G	-28.22	2.5095G	-51.01	24.76962G	-44.59	2

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX CSENdB

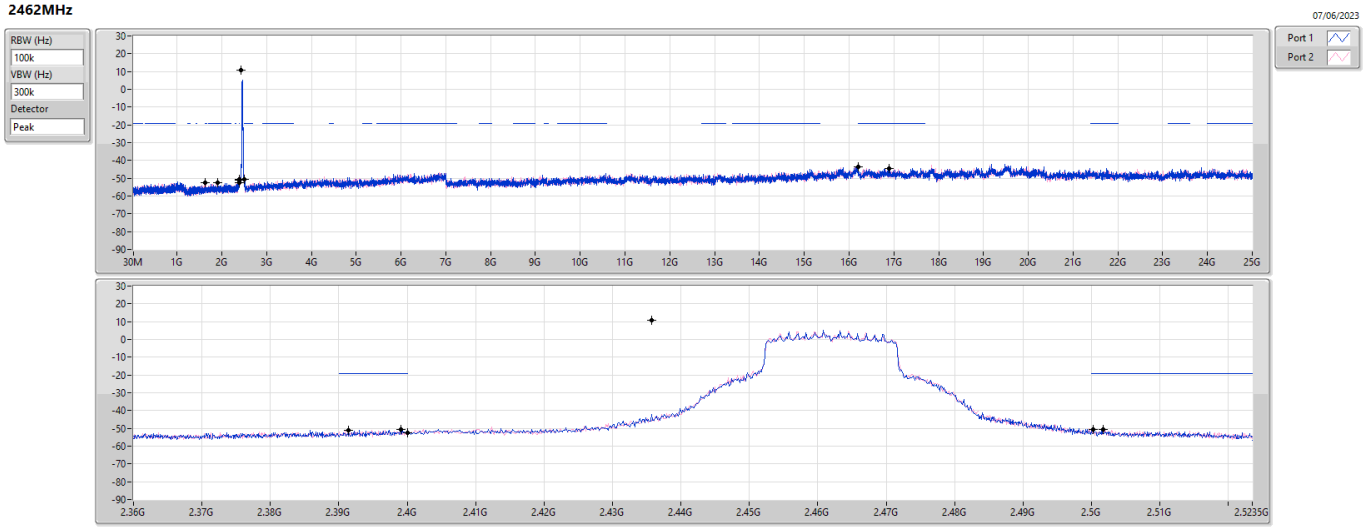
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	10.64	-19.36	1.96274G	-52.87	2.3996G	-32.70	2.4G	-32.77	2.50014G	-47.80	16.74831G	-44.18	1
2.43574G	10.64	-19.36	2.07924G	-52.00	2.39968G	-33.50	2.4G	-33.41	2.50038G	-48.24	16.77079G	-44.20	2

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX CSENdB

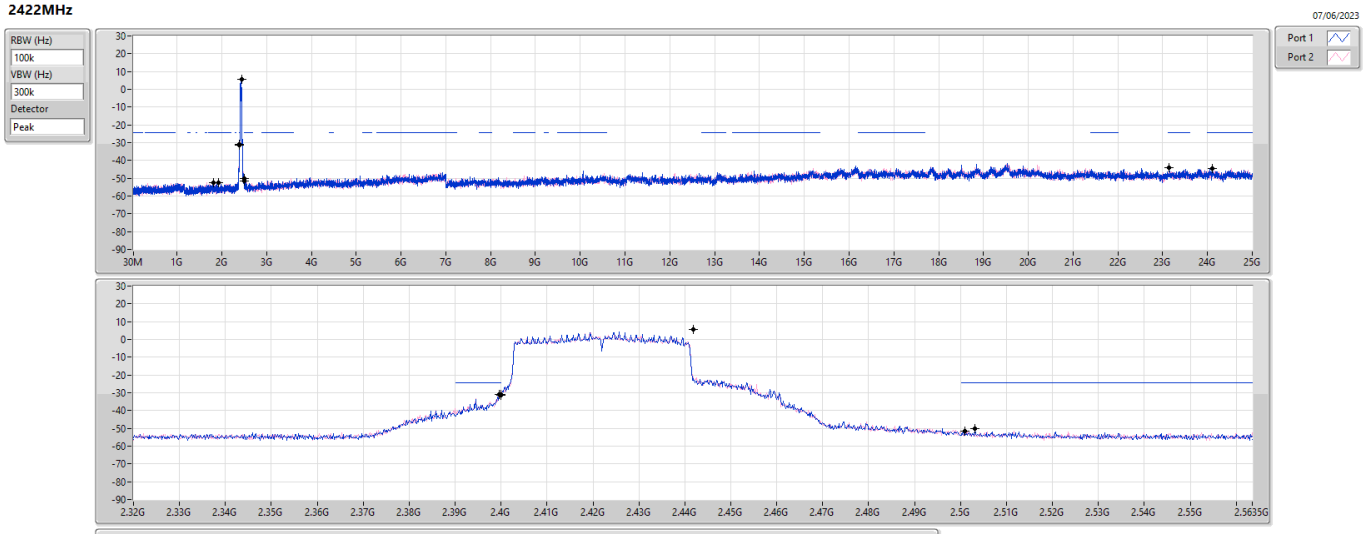
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	10.64	-19.36	1.90798G	-52.67	2.39904G	-50.50	2.4G	-52.70	2.50166G	-50.85	16.20607G	-43.49	1
2.43574G	10.64	-19.36	1.63304G	-52.55	2.39144G	-50.95	2.4G	-52.50	2.50022G	-50.80	16.89441G	-44.37	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX CSENdB

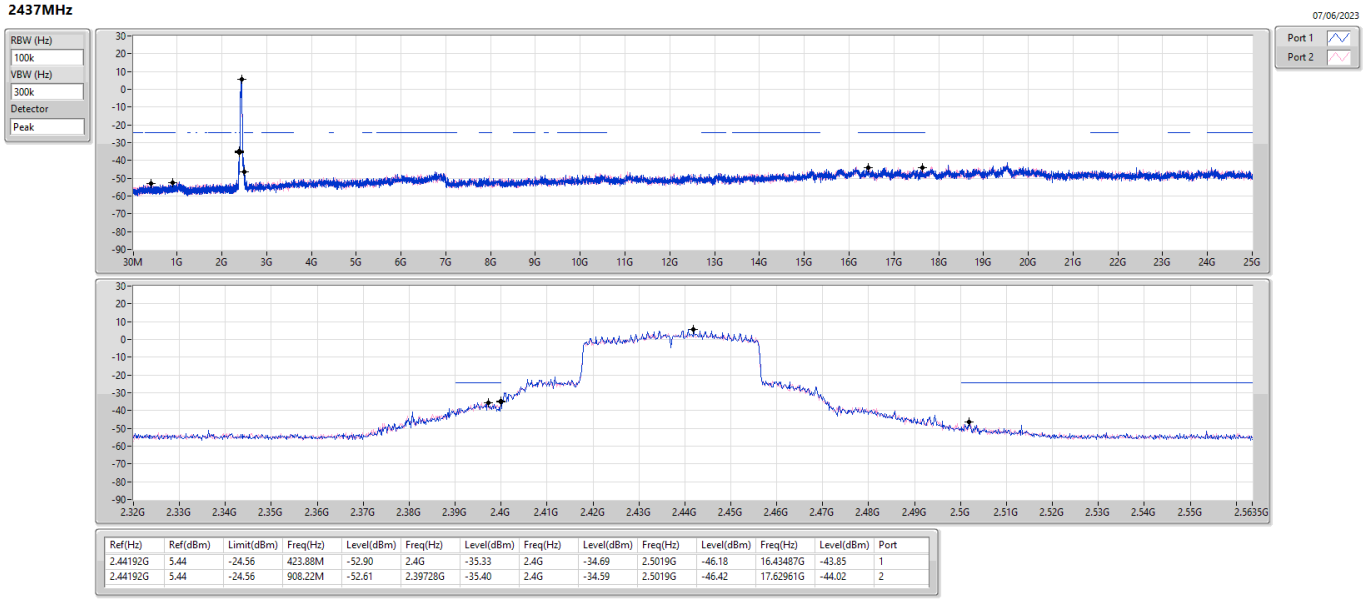
2422MHz



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
2.44192G	5.44	-24.56	1.8162G	-52.64	2.39952G	-31.10	2.4G	-31.59	2.50318G	-50.39	24.11095G	-44.48	1
2.44192G	5.44	-24.56	1.93185G	-52.58	2.39952G	-30.92	2.4G	-31.04	2.50094G	-51.57	23.14058G	-43.84	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX CSENdB

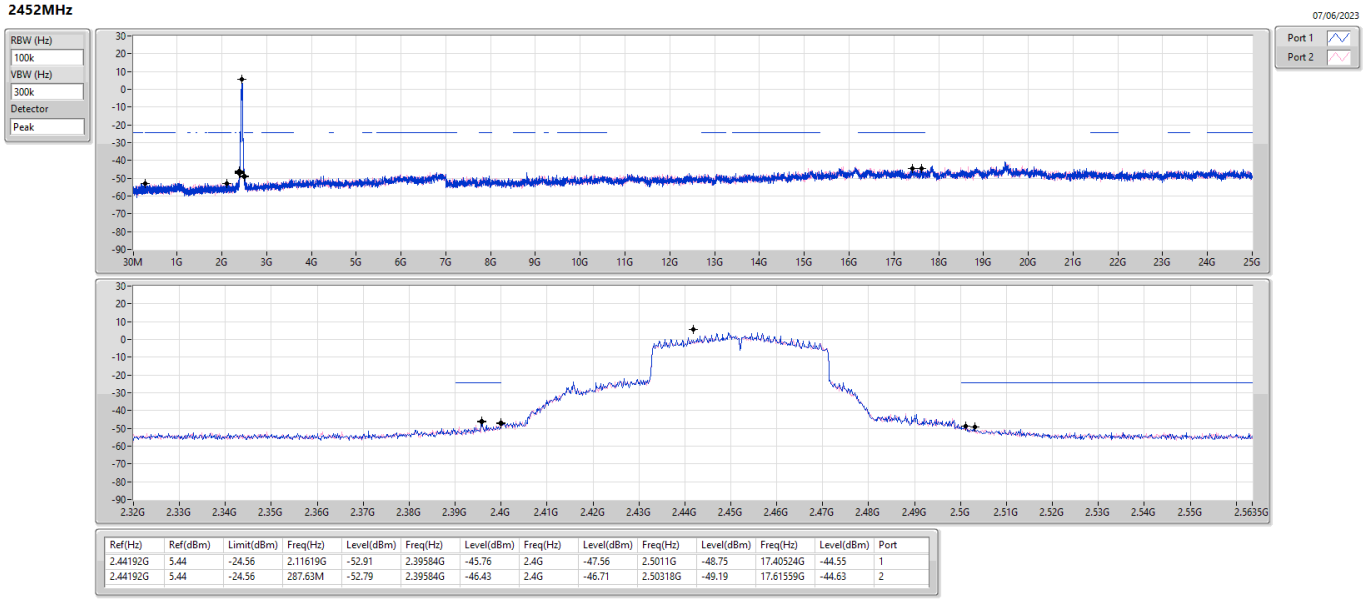
2437MHz



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
2.44192G	5.44	-24.56	423.88M	-52.90	2.4G	-35.33	2.4G	-34.69	2.5019G	-46.18	16.43487G	-43.85	1
2.44192G	5.44	-24.56	908.22M	-52.61	2.39728G	-35.40	2.4G	-34.59	2.5019G	-46.42	17.62961G	-44.02	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX CSENdB

2452MHz

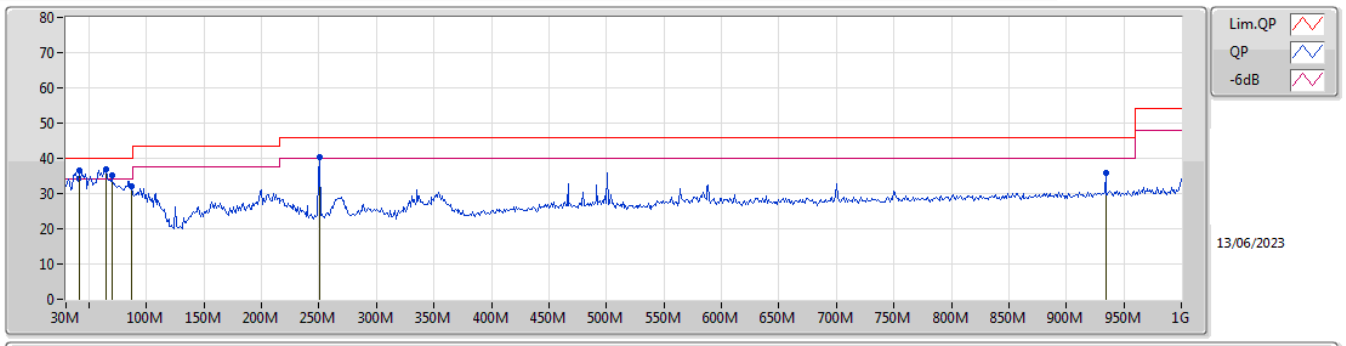


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44192G	5.44	-24.56	2.11619G	-52.91	2.39584G	-45.76	2.4G	-47.56	2.5011G	-48.75	17.40524G	-44.55	1
2.44192G	5.44	-24.56	287.63M	-52.79	2.39584G	-46.43	2.4G	-46.71	2.50318G	-49.19	17.61559G	-44.63	2

Summary

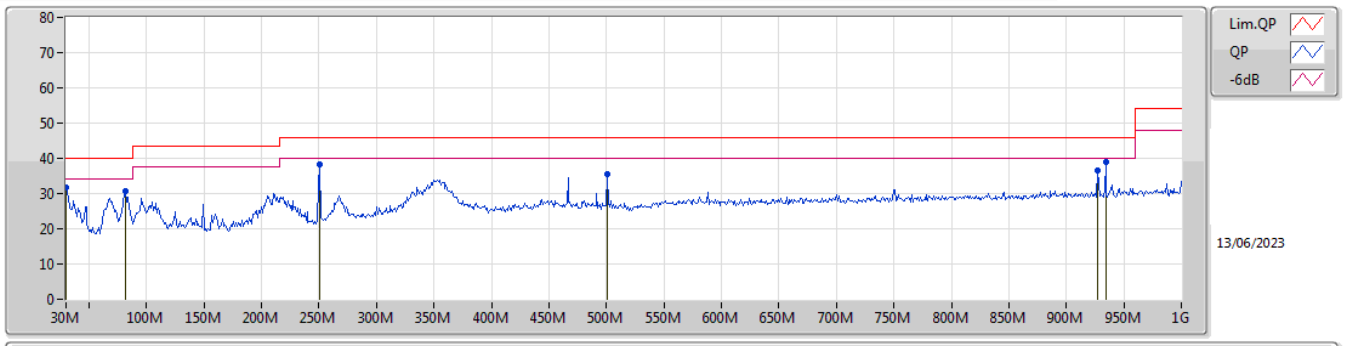
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	64.92M	36.85	40.00	-3.15	Vertical

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)		(dBuV)	(dB)	(dB)	(dB)
PK	41.64M	36.42	40.00	-3.58	-26.09	3	Vertical	218	1.00	-	62.51	17.40	0.59	44.08
PK	64.92M	36.85	40.00	-3.15	-32.02	3	Vertical	68	1.25	"Worst"	68.87	11.38	0.72	44.12
PK	69.77M	35.03	40.00	-4.97	-31.91	3	Vertical	288	1.50	-	66.94	11.50	0.74	44.15
PK	87.23M	31.94	40.00	-8.06	-30.04	3	Vertical	269	1.25	-	61.98	13.38	0.81	44.23
PK	250.19M	40.40	46.00	-5.60	-25.07	3	Vertical	188	1.00	-	65.47	17.47	1.35	43.89
PK	934.04M	35.76	46.00	-10.24	-14.50	3	Vertical	192	1.50	-	50.26	25.87	2.52	42.89

Mode 1



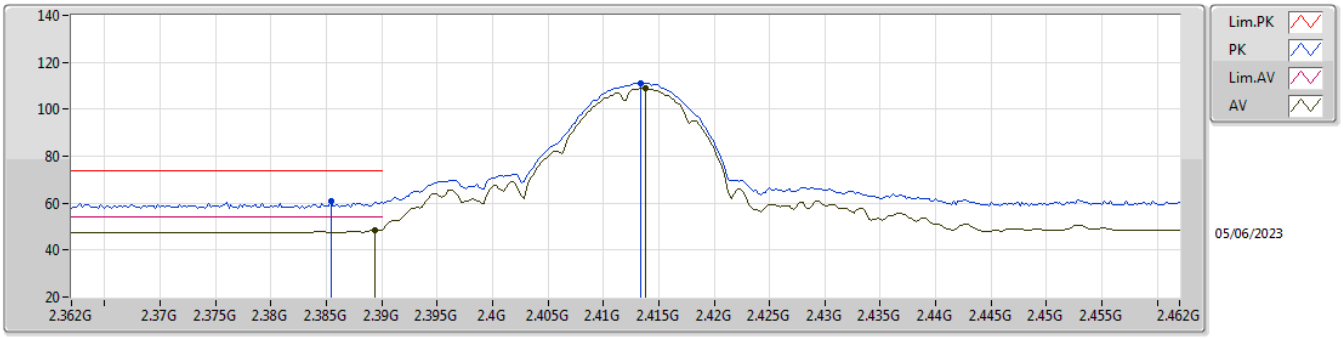
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	31.86	40.00	-8.14	-19.41	3	Horizontal	307	2.00	-	51.27	24.08	0.50	43.99
PK	81.41M	30.82	40.00	-9.18	-31.06	3	Horizontal	160	1.50	-	61.88	12.35	0.79	44.20
PK	250.19M	38.20	46.00	-7.80	-25.07	3	Horizontal	244	1.50	-	63.27	17.47	1.35	43.89
PK	500.45M	35.50	46.00	-10.50	-19.09	3	Horizontal	334	1.25	-	54.59	22.45	1.88	43.42
PK	927.25M	36.44	46.00	-9.56	-14.63	3	Horizontal	155	1.00	-	51.07	25.75	2.51	42.89
PK	934.04M	39.03	46.00	-6.97	-14.50	3	Horizontal	204	1.00	"Worst"	53.53	25.87	2.52	42.89

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.90	54.00	-0.10	3	Horizontal	325	2.35	-

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

2412MHz_TX

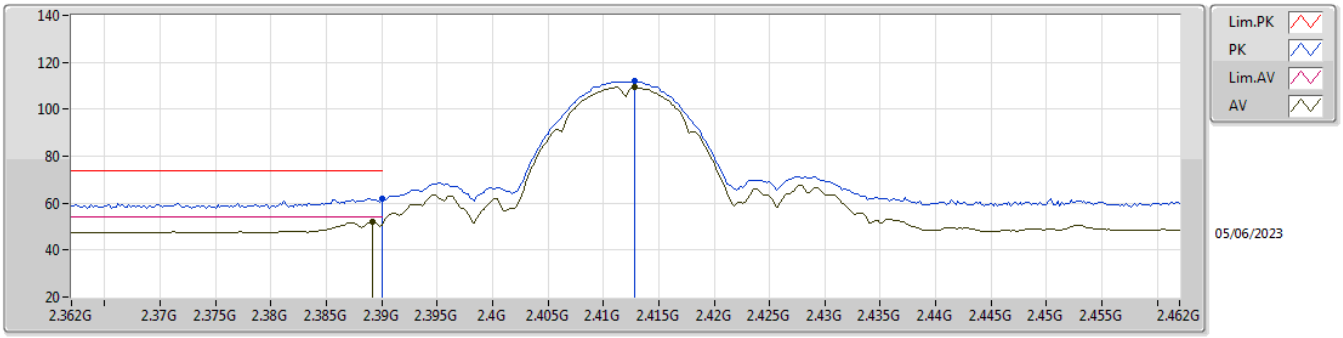


EUT Y_2TX
Setting 15.5
01-I-C-6

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	2.3854G	60.95	74.00	-13.05	29.59	3	Vertical	277	1.50	-	27.77	3.59	-
AV	2.3894G	48.47	54.00	-5.53	17.10	3	Vertical	277	1.50	-	27.78	3.59	-
PK	2.4134G	111.20	Inf	-Inf	79.76	3	Vertical	277	1.50	-	27.83	3.61	-
AV	2.4138G	108.79	Inf	-Inf	77.35	3	Vertical	277	1.50	-	27.83	3.61	-

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

2412MHz_TX

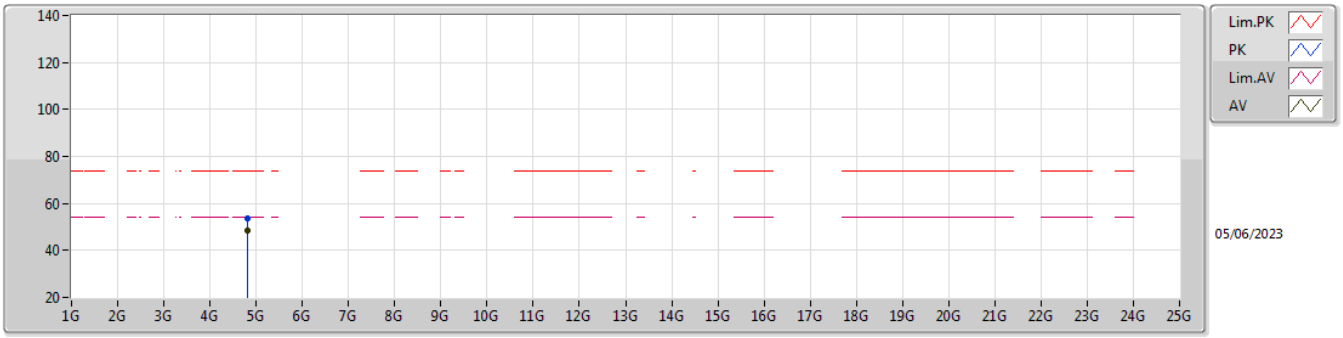


EUT Y_2TX
Setting 15.5
01-I-C-6

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	2.39G	61.92	74.00	-12.08	30.55	3	Horizontal	153	2.09	-	27.78	3.59	-
AV	2.3892G	51.90	54.00	-2.10	20.53	3	Horizontal	153	2.09	-	27.78	3.59	-
PK	2.4128G	111.85	Inf	-Inf	80.41	3	Horizontal	153	2.09	-	27.83	3.61	-
AV	2.4128G	109.41	Inf	-Inf	77.97	3	Horizontal	153	2.09	-	27.83	3.61	-

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

2412MHz_TX

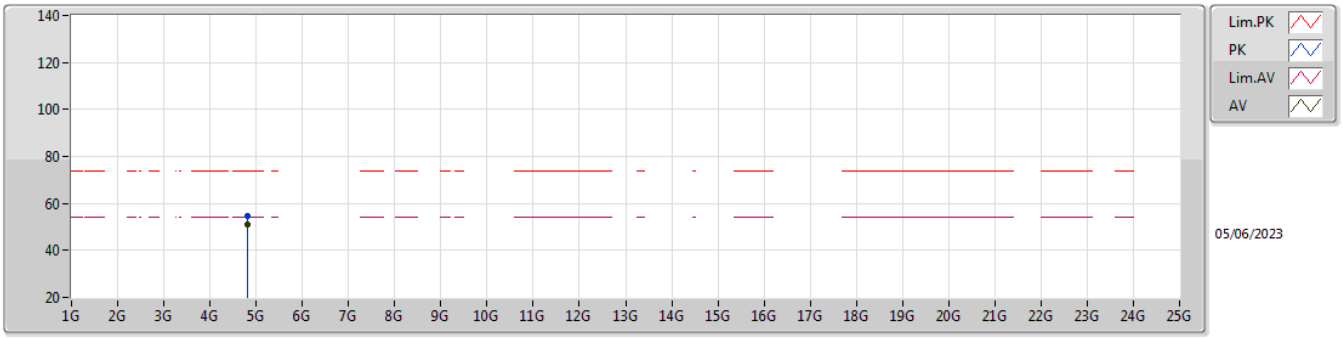


EUT Y_2TX
Setting 15.5
01-I-C-6

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	53.78	74.00	-20.22	48.19	3	Vertical	182	1.77	-	32.84	5.72	32.97
AV	4.824G	48.24	54.00	-5.76	42.65	3	Vertical	182	1.77	-	32.84	5.72	32.97

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

2412MHz_TX

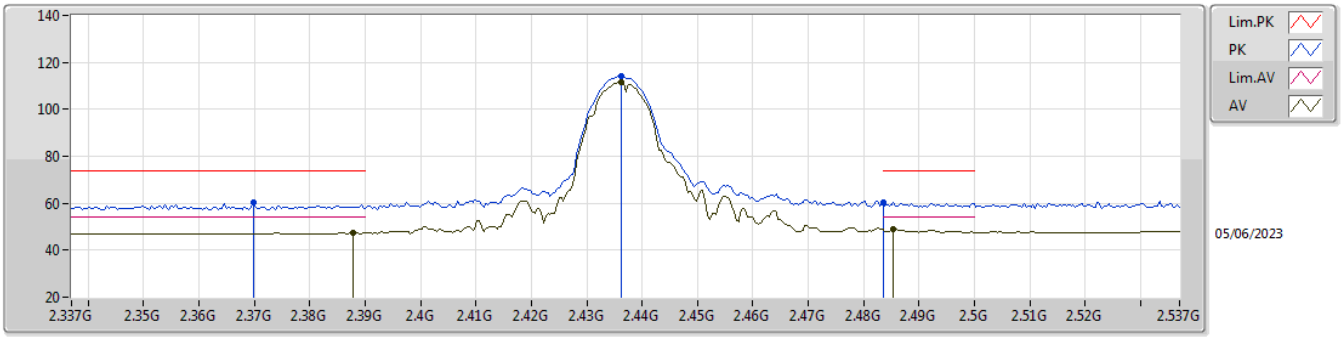


EUT Y_2TX
Setting 15.5
01-I-C-6

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	4.82396G	54.75	74.00	-19.25	49.16	3	Horizontal	71	1.80	-	32.84	5.72	32.97
AV	4.82396G	50.78	54.00	-3.22	45.19	3	Horizontal	71	1.80	-	32.84	5.72	32.97

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

2437MHz_TX

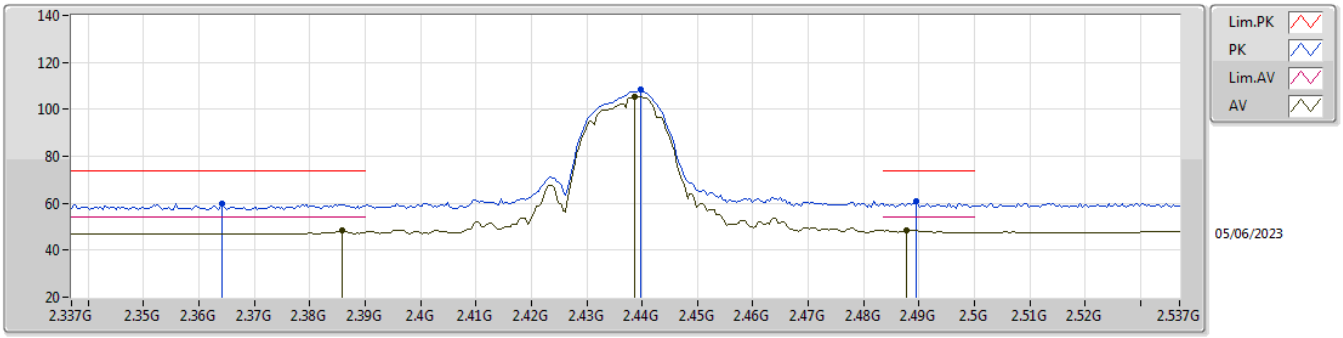


EUT Y_2TX
Setting 18
01-I-G-5

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	2.3698G	60.12	74.00	-13.88	28.81	3	Vertical	319	2.14	-	27.74	3.57	-
AV	2.3878G	47.61	54.00	-6.39	16.24	3	Vertical	319	2.14	-	27.78	3.59	-
PK	2.4362G	114.08	Inf	-Inf	82.59	3	Vertical	319	2.14	-	27.87	3.62	-
AV	2.4362G	111.63	Inf	-Inf	80.14	3	Vertical	319	2.14	-	27.87	3.62	-
PK	2.4835G	60.21	74.00	-13.79	28.47	3	Vertical	319	2.14	-	28.10	3.64	-
AV	2.4854G	48.76	54.00	-5.24	17.01	3	Vertical	319	2.14	-	28.11	3.64	-

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

2437MHz_TX

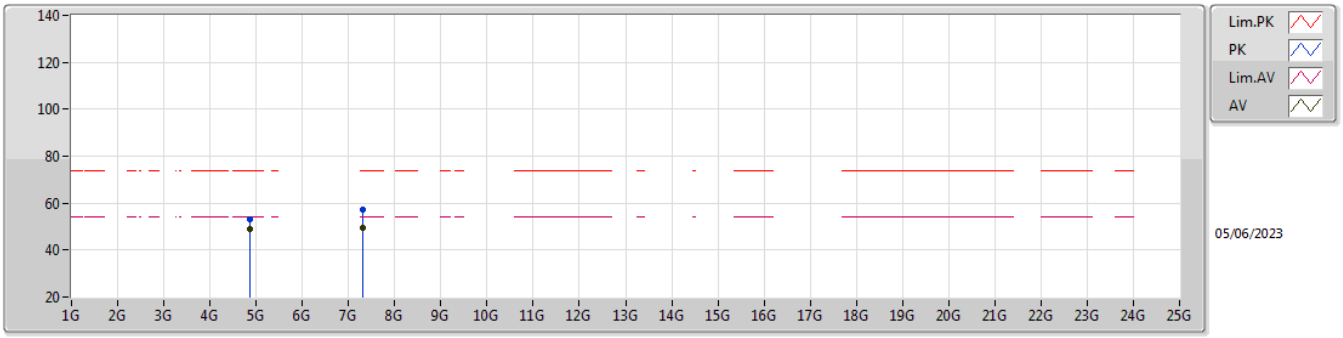


EUT Y_2TX
Setting 18
01-I-G-5

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	2.3642G	59.87	74.00	-14.13	28.58	3	Horizontal	150	1.71	-	27.73	3.56	-
AV	2.3858G	48.36	54.00	-5.64	17.00	3	Horizontal	150	1.71	-	27.77	3.59	-
PK	2.4398G	108.25	Inf	-Inf	76.75	3	Horizontal	150	1.71	-	27.88	3.62	-
AV	2.4386G	105.32	Inf	-Inf	73.82	3	Horizontal	150	1.71	-	27.88	3.62	-
PK	2.4894G	60.64	74.00	-13.36	28.86	3	Horizontal	150	1.71	-	28.14	3.64	-
AV	2.4878G	48.50	54.00	-5.50	16.73	3	Horizontal	150	1.71	-	28.13	3.64	-

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

2437MHz_TX

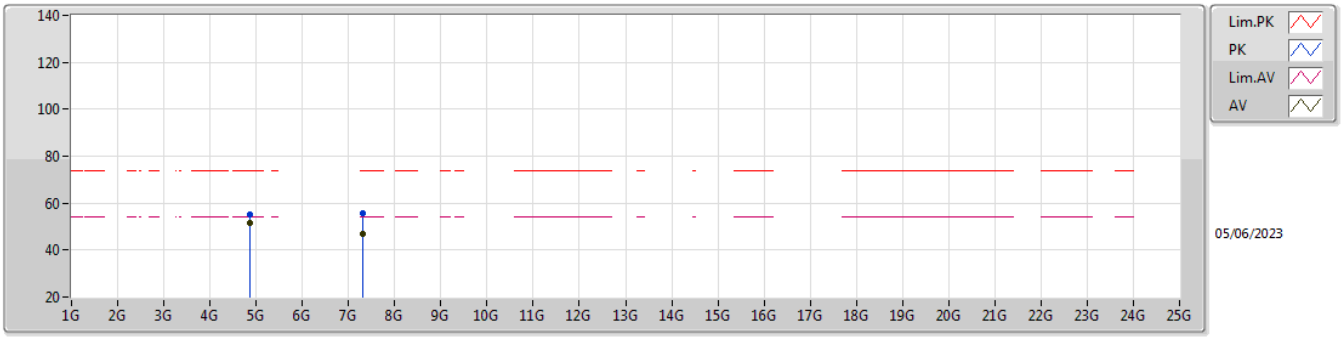


EUT Y_2TX
Setting 18
01-I-G-5

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	4.8739G	53.31	74.00	-20.69	47.50	3	Vertical	177	1.76	-	33.00	5.77	32.96
AV	4.87398G	49.21	54.00	-4.79	43.40	3	Vertical	177	1.76	-	33.00	5.77	32.96
PK	7.30908G	57.10	74.00	-16.90	45.45	3	Vertical	20	3.00	-	37.60	7.15	33.10
AV	7.30964G	49.35	54.00	-4.65	37.70	3	Vertical	20	3.00	-	37.60	7.15	33.10

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

2437MHz_TX

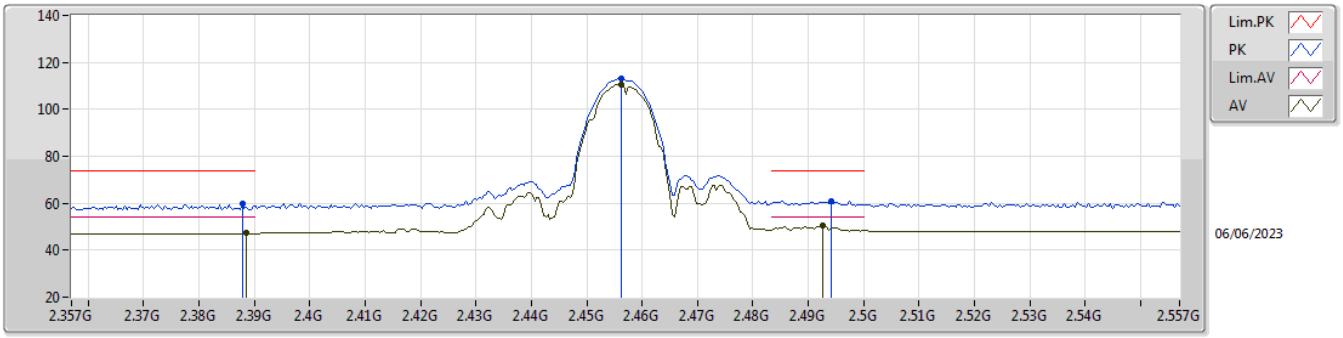


EUT Y_2TX
Setting 18
01-I-G-5

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	55.10	74.00	-18.90	49.29	3	Horizontal	68	1.79	-	33.00	5.77	32.96
AV	4.87396G	51.64	54.00	-2.36	45.83	3	Horizontal	68	1.79	-	33.00	5.77	32.96
PK	7.30866G	55.62	74.00	-18.38	43.97	3	Horizontal	15	1.54	-	37.60	7.15	33.10
AV	7.30952G	46.74	54.00	-7.26	35.09	3	Horizontal	15	1.54	-	37.60	7.15	33.10

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

2457MHz_TX

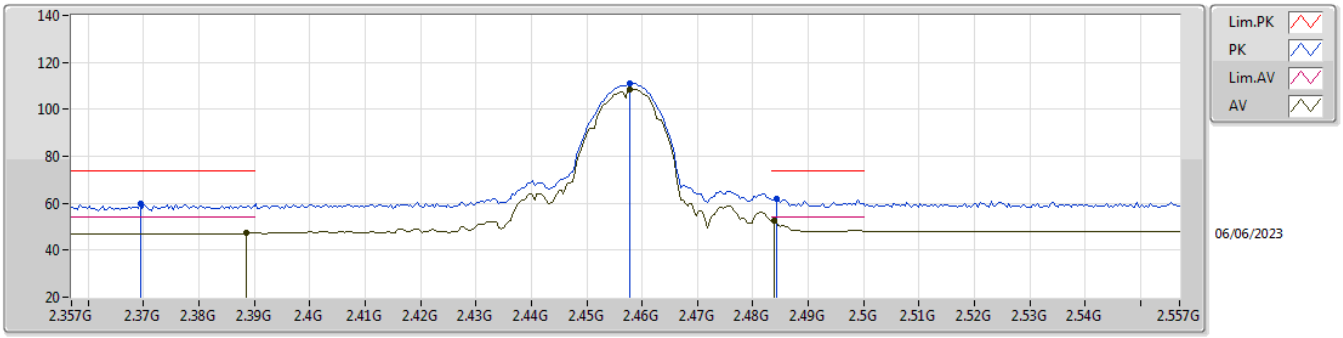


EUT Y_2TX
Setting 17.5
01-I-C-6

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	59.85	74.00	-14.15	28.48	3	Vertical	321	2.17	-	27.78	3.59	-
AV	2.3886G	47.16	54.00	-6.84	15.79	3	Vertical	321	2.17	-	27.78	3.59	-
PK	2.4562G	113.08	Inf	-Inf	81.51	3	Vertical	321	2.17	-	27.94	3.63	-
AV	2.4562G	110.63	Inf	-Inf	79.06	3	Vertical	321	2.17	-	27.94	3.63	-
PK	2.4942G	61.09	74.00	-12.91	29.27	3	Vertical	321	2.17	-	28.17	3.65	-
AV	2.4926G	50.34	54.00	-3.66	18.53	3	Vertical	321	2.17	-	28.16	3.65	-

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

2457MHz_TX

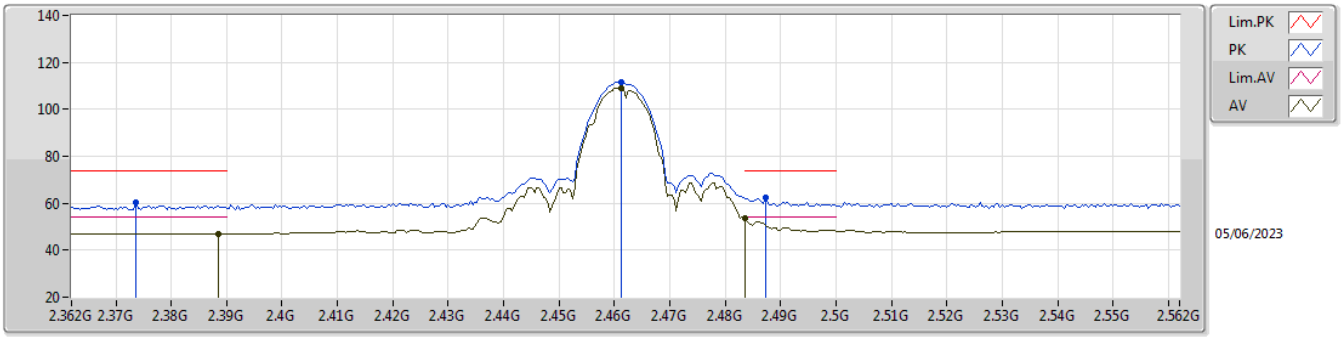


EUT Y_2TX
Setting 17.5
01-I-C-6

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	2.3694G	59.64	74.00	-14.36	28.33	3	Horizontal	316	2.07	-	27.74	3.57	-
AV	2.3886G	47.16	54.00	-6.84	15.79	3	Horizontal	316	2.07	-	27.78	3.59	-
PK	2.4578G	111.03	Inf	-Inf	79.45	3	Horizontal	316	2.07	-	27.95	3.63	-
AV	2.4578G	108.56	Inf	-Inf	76.98	3	Horizontal	316	2.07	-	27.95	3.63	-
PK	2.4842G	61.75	74.00	-12.25	30.00	3	Horizontal	316	2.07	-	28.11	3.64	-
AV	2.4838G	52.64	54.00	-1.36	20.90	3	Horizontal	316	2.07	-	28.10	3.64	-

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

2462MHz_TX

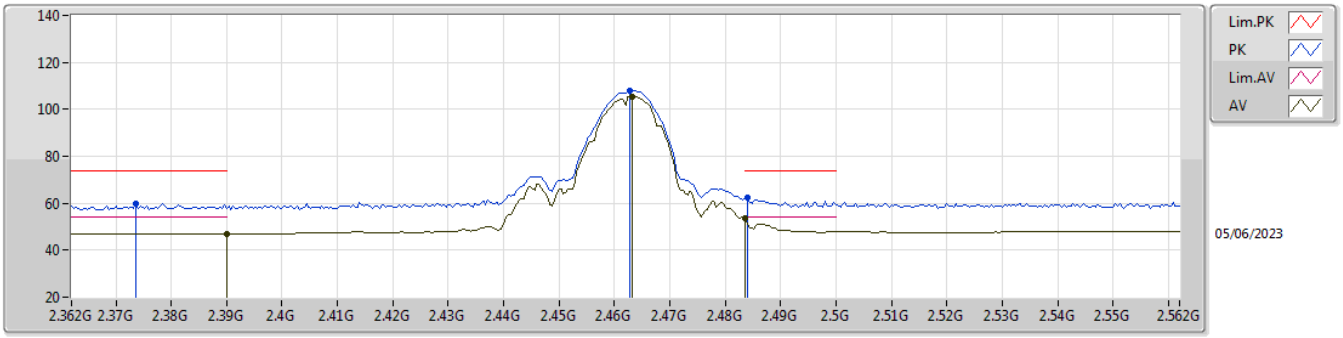


EUT Y_2TX
Setting 14
01-I-G-5

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	2.3736G	60.55	74.00	-13.45	29.23	3	Vertical	313	2.41	-	27.75	3.57	-
AV	2.3884G	47.05	54.00	-6.95	15.68	3	Vertical	313	2.41	-	27.78	3.59	-
PK	2.4612G	111.58	Inf	-Inf	79.98	3	Vertical	313	2.41	-	27.97	3.63	-
AV	2.4612G	108.98	Inf	-Inf	77.38	3	Vertical	313	2.41	-	27.97	3.63	-
PK	2.4872G	62.16	74.00	-11.84	30.40	3	Vertical	313	2.41	-	28.12	3.64	-
AV	2.4835G	53.80	54.00	-0.20	22.06	3	Vertical	313	2.41	-	28.10	3.64	-

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

2462MHz_TX

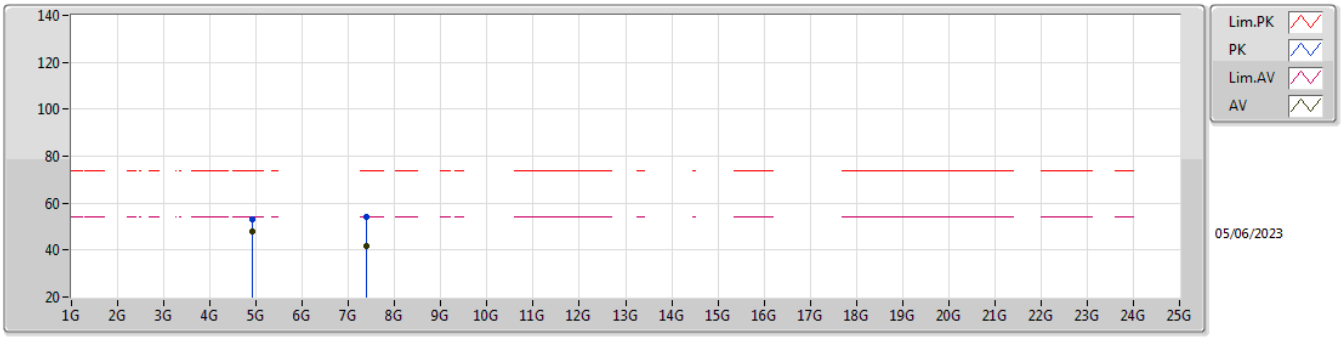


EUT Y_2TX
Setting 14
01-I-G-5

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	2.3736G	59.59	74.00	-14.41	28.27	3	Horizontal	322	1.67	-	27.75	3.57	-
AV	2.39G	47.06	54.00	-6.94	15.69	3	Horizontal	322	1.67	-	27.78	3.59	-
PK	2.4628G	108.06	Inf	-Inf	76.45	3	Horizontal	322	1.67	-	27.98	3.63	-
AV	2.4632G	105.58	Inf	-Inf	73.97	3	Horizontal	322	1.67	-	27.98	3.63	-
PK	2.484G	62.32	74.00	-11.68	30.58	3	Horizontal	322	1.67	-	28.10	3.64	-
AV	2.4835G	53.50	54.00	-0.50	21.76	3	Horizontal	322	1.67	-	28.10	3.64	-

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

2462MHz_TX

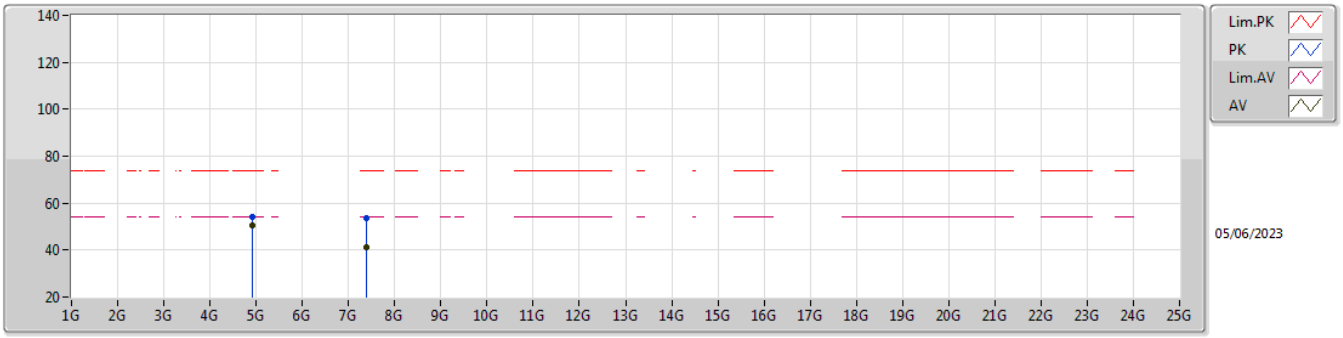


EUT Y_2TX
Setting 14
01-I-G-5

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	4.92394G	52.98	74.00	-21.02	47.11	3	Vertical	174	1.80	-	33.00	5.82	32.95
AV	4.92392G	48.08	54.00	-5.92	42.21	3	Vertical	174	1.80	-	33.00	5.82	32.95
PK	7.38414G	54.11	74.00	-19.89	42.52	3	Vertical	323	1.74	-	37.53	7.19	33.13
AV	7.38678G	41.79	54.00	-12.21	30.20	3	Vertical	323	1.74	-	37.53	7.19	33.13

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

2462MHz_TX

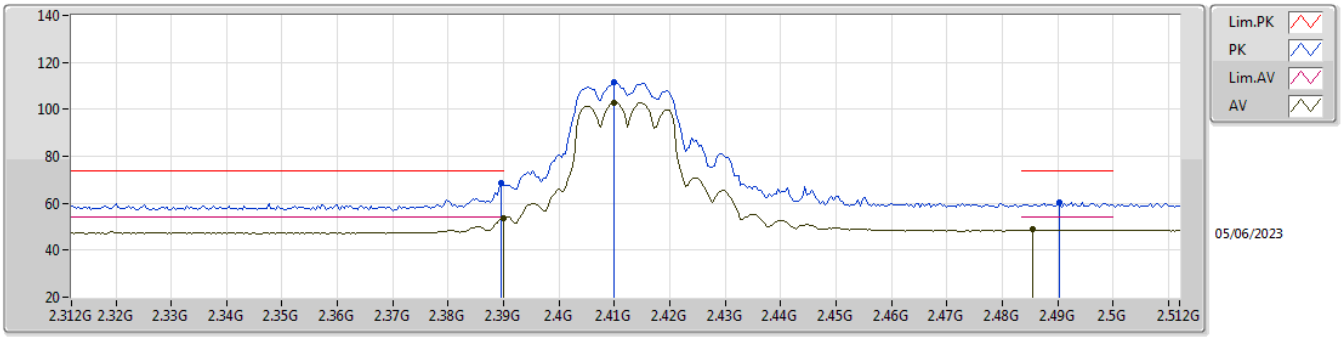


EUT Y_2TX
Setting 14
01-I-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92408G	54.36	74.00	-19.64	48.49	3	Horizontal	67	1.75	-	33.00	5.82	32.95
AV	4.92396G	50.44	54.00	-3.56	44.57	3	Horizontal	67	1.75	-	33.00	5.82	32.95
PK	7.3772G	53.72	74.00	-20.28	42.10	3	Horizontal	222	2.24	-	37.55	7.19	33.12
AV	7.38436G	41.09	54.00	-12.91	29.50	3	Horizontal	222	2.24	-	37.53	7.19	33.13

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

2412MHz_TX

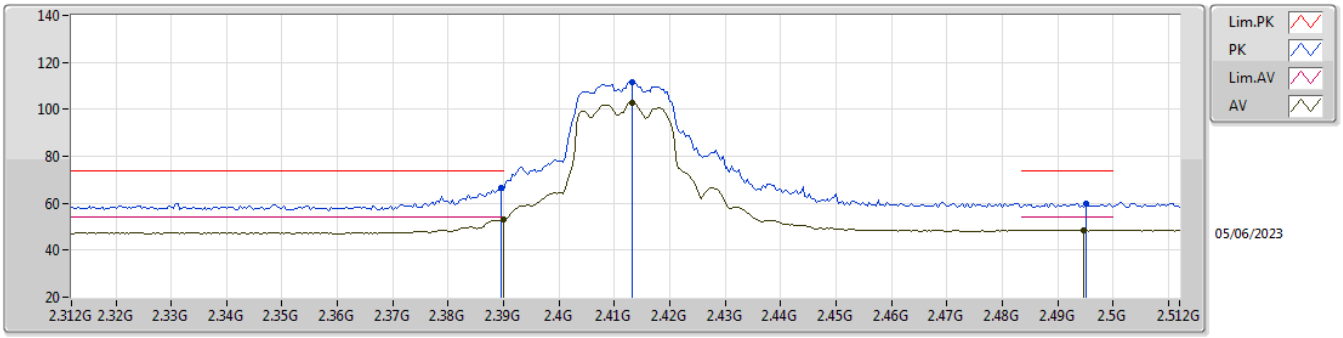


EUT Y_2TX
Setting 14.5
01-I-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	68.67	74.00	-5.33	37.30	3	Vertical	297	2.75	-	27.78	3.59	-
AV	2.39G	53.50	54.00	-0.50	22.13	3	Vertical	297	2.75	-	27.78	3.59	-
PK	2.41G	111.35	Inf	-Inf	79.93	3	Vertical	297	2.75	-	27.82	3.60	-
AV	2.41G	102.79	Inf	-Inf	71.37	3	Vertical	297	2.75	-	27.82	3.60	-
PK	2.4904G	60.31	74.00	-13.69	28.52	3	Vertical	297	2.75	-	28.14	3.65	-
AV	2.4856G	48.76	54.00	-5.24	17.01	3	Vertical	297	2.75	-	28.11	3.64	-

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

2412MHz_TX

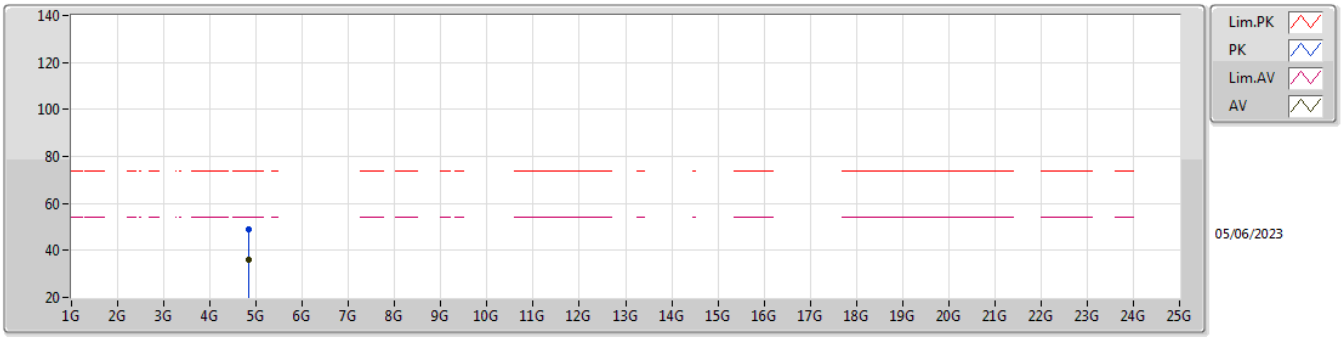


EUT Y_2TX
Setting 14.5
01-I-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	66.81	74.00	-7.19	35.44	3	Horizontal	322	1.92	-	27.78	3.59	-
AV	2.39G	52.93	54.00	-1.07	21.56	3	Horizontal	322	1.92	-	27.78	3.59	-
PK	2.4132G	111.66	Inf	-Inf	80.22	3	Horizontal	322	1.92	-	27.83	3.61	-
AV	2.4132G	102.86	Inf	-Inf	71.42	3	Horizontal	322	1.92	-	27.83	3.61	-
PK	2.4952G	59.89	74.00	-14.11	28.07	3	Horizontal	322	1.92	-	28.17	3.65	-
AV	2.4948G	48.52	54.00	-5.48	16.70	3	Horizontal	322	1.92	-	28.17	3.65	-

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

2412MHz_TX

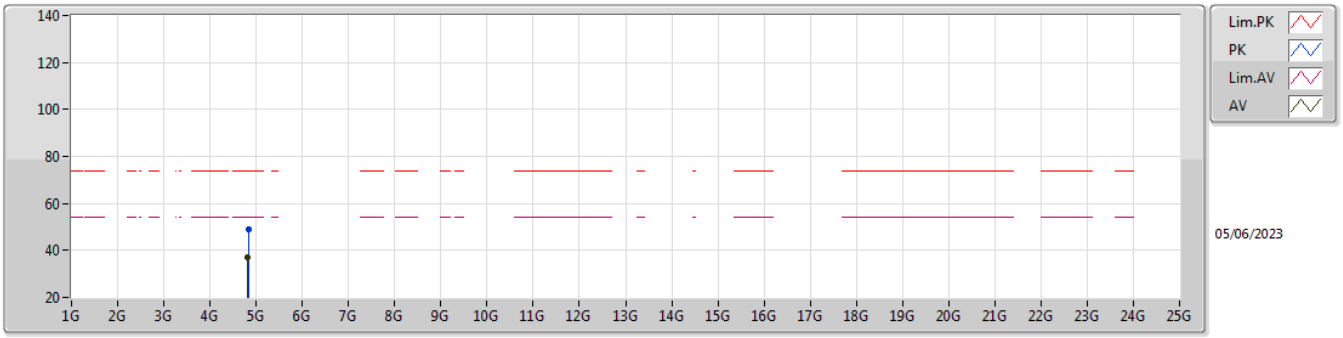


EUT Y_2TX
Setting 14.5
01-I-G-5

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	4.82568G	48.87	74.00	-25.13	43.26	3	Vertical	181	1.77	-	32.85	5.73	32.97
AV	4.825G	36.09	54.00	-17.91	30.48	3	Vertical	181	1.77	-	32.85	5.73	32.97

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

2412MHz_TX

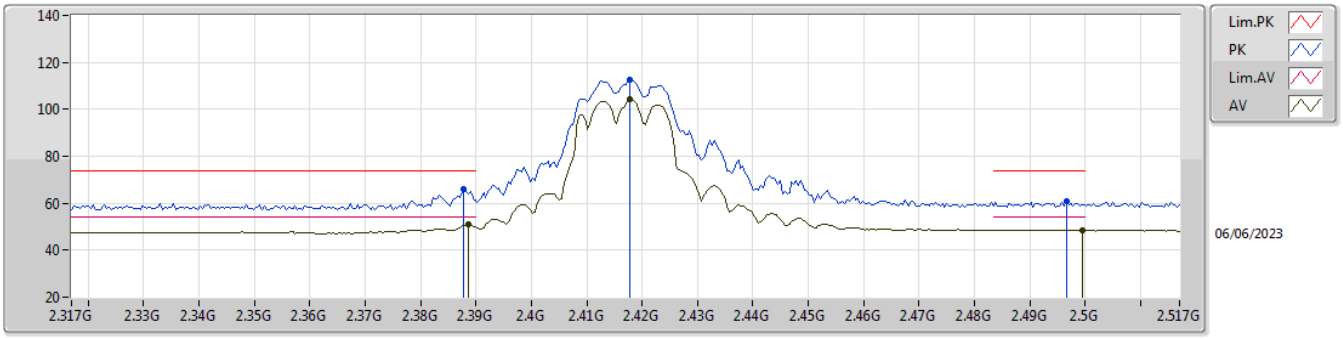


EUT Y_2TX
Setting 14.5
01-I-G-5

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	4.82996G	48.78	74.00	-25.22	43.14	3	Horizontal	73	1.80	-	32.88	5.73	32.97
AV	4.82464G	36.84	54.00	-17.16	31.24	3	Horizontal	73	1.80	-	32.85	5.72	32.97

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

2417MHz_TX

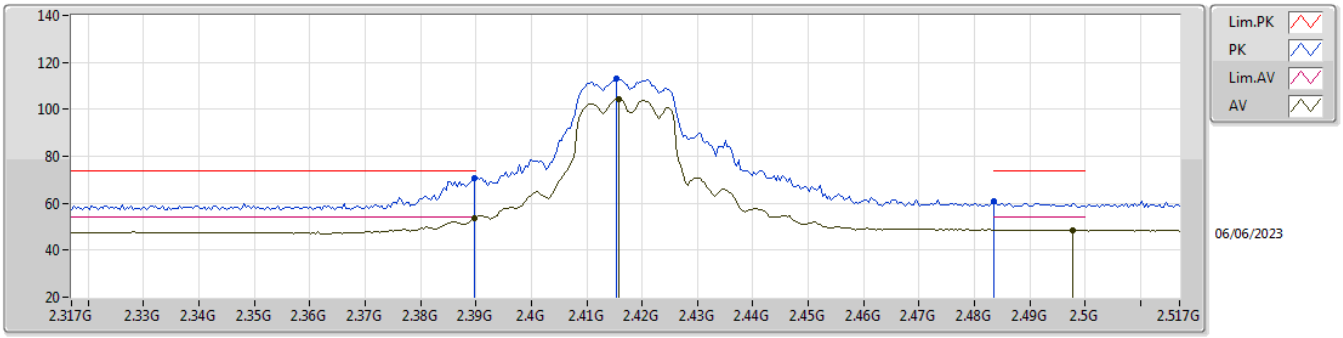


EUT Y_2TX
Setting 15.5
01-I-C-6

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	66.00	74.00	-8.00	34.63	3	Vertical	302	1.80	-	27.78	3.59	-
AV	2.3886G	50.87	54.00	-3.13	19.50	3	Vertical	302	1.80	-	27.78	3.59	-
PK	2.4178G	112.33	Inf	-Inf	80.88	3	Vertical	302	1.80	-	27.84	3.61	-
AV	2.4178G	104.17	Inf	-Inf	72.72	3	Vertical	302	1.80	-	27.84	3.61	-
PK	2.4966G	60.90	74.00	-13.10	29.07	3	Vertical	302	1.80	-	28.18	3.65	-
AV	2.4994G	48.63	54.00	-5.37	16.78	3	Vertical	302	1.80	-	28.20	3.65	-

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

2417MHz_TX

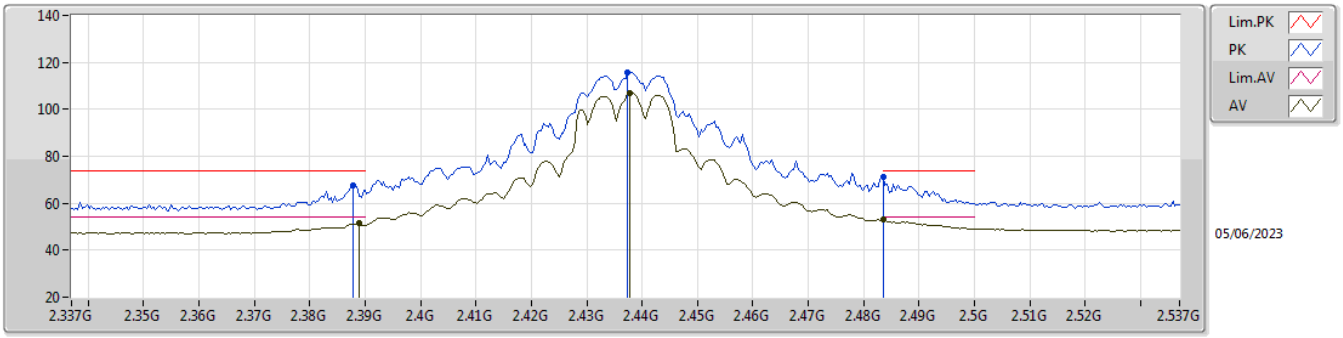


EUT Y_2TX
Setting 15.5
01-I-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	70.63	74.00	-3.37	39.26	3	Horizontal	324	2.34	-	27.78	3.59	-
AV	2.3898G	53.74	54.00	-0.26	22.37	3	Horizontal	324	2.34	-	27.78	3.59	-
PK	2.4154G	112.92	Inf	-Inf	81.48	3	Horizontal	324	2.34	-	27.83	3.61	-
AV	2.4158G	104.30	Inf	-Inf	72.86	3	Horizontal	324	2.34	-	27.83	3.61	-
PK	2.4835G	60.80	74.00	-13.20	29.06	3	Horizontal	324	2.34	-	28.10	3.64	-
AV	2.4978G	48.63	54.00	-5.37	16.79	3	Horizontal	324	2.34	-	28.19	3.65	-

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

2437MHz_TX

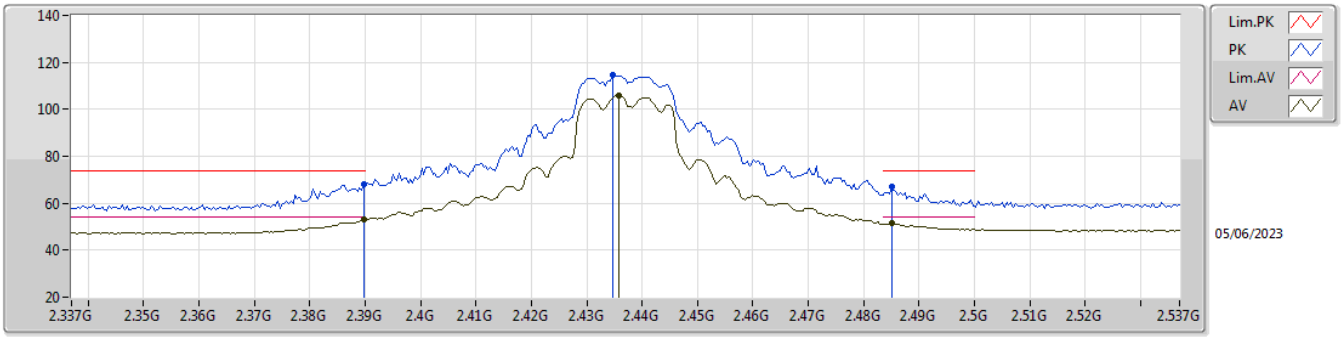


EUT Y_2TX
Setting 18
01-I-G-5

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	67.78	74.00	-6.22	36.41	3	Vertical	309	2.16	-	27.78	3.59	-
AV	2.389G	51.31	54.00	-2.69	19.94	3	Vertical	309	2.16	-	27.78	3.59	-
PK	2.4374G	115.65	Inf	-Inf	84.16	3	Vertical	309	2.16	-	27.87	3.62	-
AV	2.4378G	107.09	Inf	-Inf	75.59	3	Vertical	309	2.16	-	27.88	3.62	-
PK	2.4835G	70.99	74.00	-3.01	39.25	3	Vertical	309	2.16	-	28.10	3.64	-
AV	2.4835G	53.03	54.00	-0.97	21.29	3	Vertical	309	2.16	-	28.10	3.64	-

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

2437MHz_TX

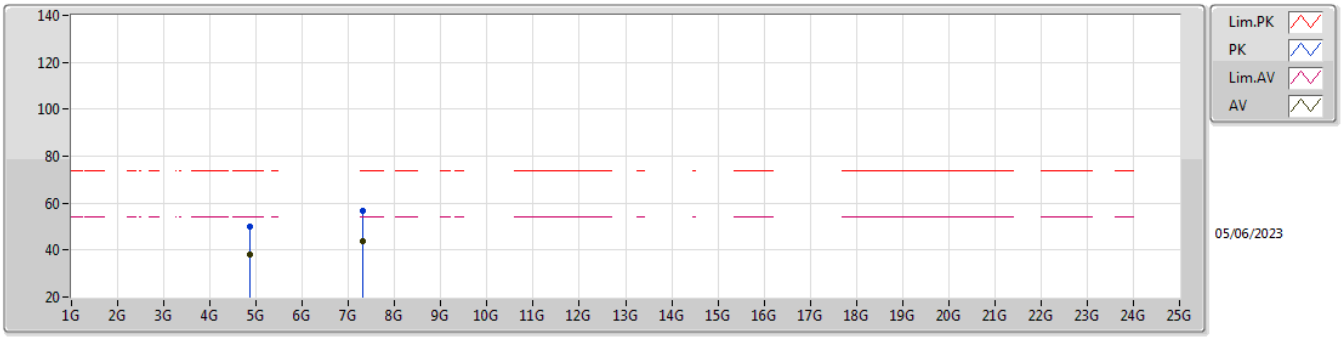


EUT Y_2TX
Setting 18
01-I-G-5

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	2.3898G	68.28	74.00	-5.72	36.91	3	Horizontal	326	2.12	-	27.78	3.59	-
AV	2.3898G	52.93	54.00	-1.07	21.56	3	Horizontal	326	2.12	-	27.78	3.59	-
PK	2.4346G	114.66	Inf	-Inf	83.17	3	Horizontal	326	2.12	-	27.87	3.62	-
AV	2.4358G	105.82	Inf	-Inf	74.33	3	Horizontal	326	2.12	-	27.87	3.62	-
PK	2.485G	66.95	74.00	-7.05	35.20	3	Horizontal	326	2.12	-	28.11	3.64	-
AV	2.485G	51.46	54.00	-2.54	19.71	3	Horizontal	326	2.12	-	28.11	3.64	-

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

2437MHz_TX

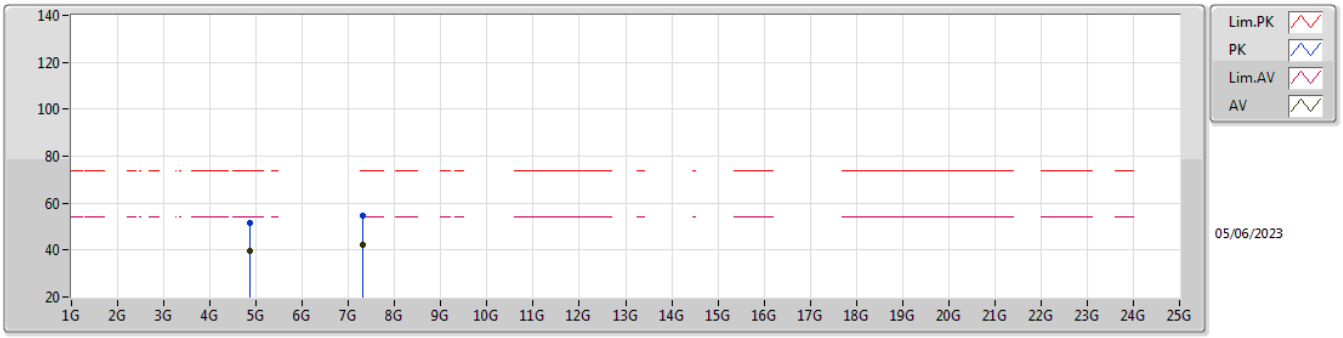


EUT Y_2TX
Setting 18
01-I-G-5

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	4.87548G	49.91	74.00	-24.09	44.09	3	Vertical	173	1.66	-	33.00	5.78	32.96
AV	4.87696G	38.08	54.00	-15.92	32.26	3	Vertical	173	1.66	-	33.00	5.78	32.96
PK	7.31436G	56.72	74.00	-17.28	45.06	3	Vertical	19	3.00	-	37.60	7.16	33.10
AV	7.31466G	43.78	54.00	-10.22	32.12	3	Vertical	19	3.00	-	37.60	7.16	33.10

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

2437MHz_TX

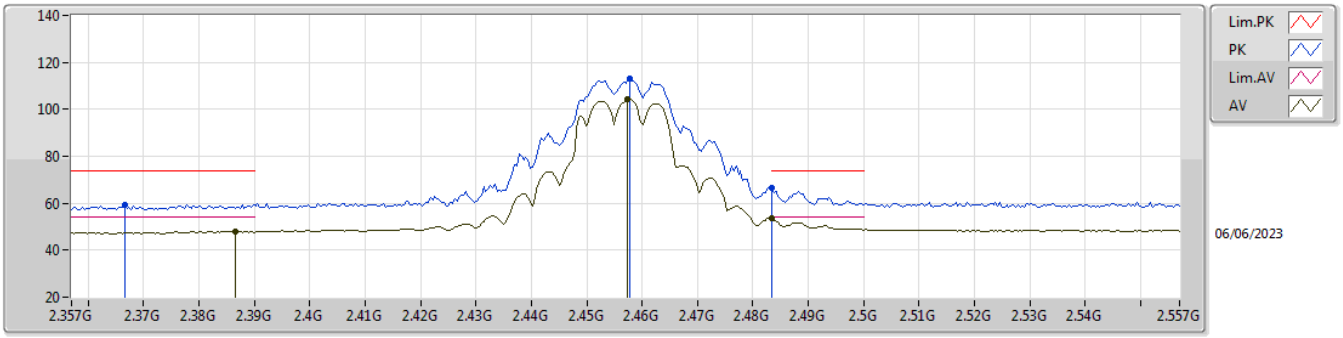


EUT Y_2TX
Setting 18
01-I-G-5

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	4.8752G	51.65	74.00	-22.35	45.83	3	Horizontal	132	1.77	-	33.00	5.78	32.96
AV	4.87652G	39.56	54.00	-14.44	33.74	3	Horizontal	132	1.77	-	33.00	5.78	32.96
PK	7.31688G	54.50	74.00	-19.50	42.85	3	Horizontal	16	2.09	-	37.60	7.16	33.11
AV	7.31718G	42.42	54.00	-11.58	30.77	3	Horizontal	16	2.09	-	37.60	7.16	33.11

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

2457MHz_TX

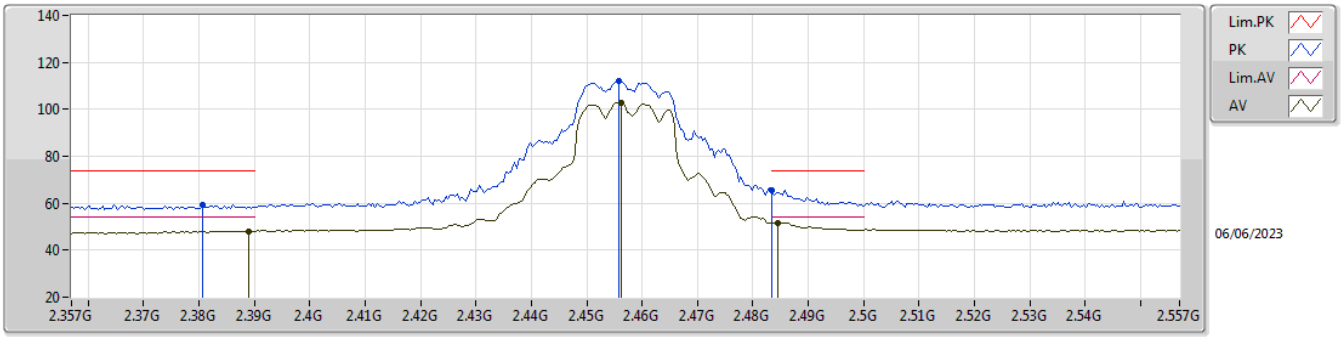


EUT Y_2TX
Setting 15.5
01-I-C-6

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	2.3666G	59.50	74.00	-14.50	28.20	3	Vertical	310	2.42	-	27.73	3.57	-
AV	2.3866G	47.96	54.00	-6.04	16.60	3	Vertical	310	2.42	-	27.77	3.59	-
PK	2.4578G	112.86	Inf	-Inf	81.28	3	Vertical	310	2.42	-	27.95	3.63	-
AV	2.4574G	104.39	Inf	-Inf	72.82	3	Vertical	310	2.42	-	27.94	3.63	-
PK	2.4835G	66.34	74.00	-7.66	34.60	3	Vertical	310	2.42	-	28.10	3.64	-
AV	2.4835G	53.60	54.00	-0.40	21.86	3	Vertical	310	2.42	-	28.10	3.64	-

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

2457MHz_TX

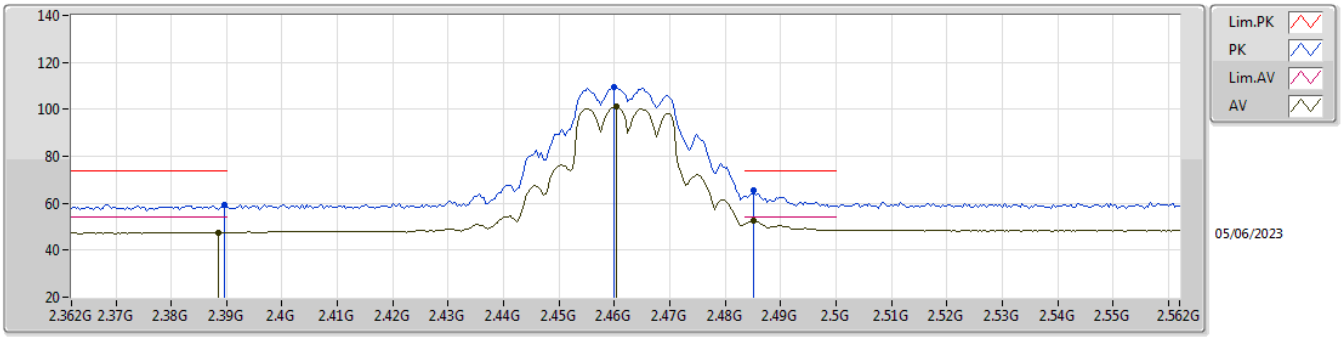


EUT Y_2TX
Setting 15.5
01-I-C-6

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	2.3806G	59.48	74.00	-14.52	28.14	3	Horizontal	321	2.06	-	27.76	3.58	-
AV	2.389G	47.99	54.00	-6.01	16.62	3	Horizontal	321	2.06	-	27.78	3.59	-
PK	2.4558G	111.86	Inf	-Inf	80.30	3	Horizontal	321	2.06	-	27.93	3.63	-
AV	2.4562G	103.01	Inf	-Inf	71.44	3	Horizontal	321	2.06	-	27.94	3.63	-
PK	2.4835G	65.53	74.00	-8.47	33.79	3	Horizontal	321	2.06	-	28.10	3.64	-
AV	2.4846G	51.75	54.00	-2.25	20.00	3	Horizontal	321	2.06	-	28.11	3.64	-

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

2462MHz_TX

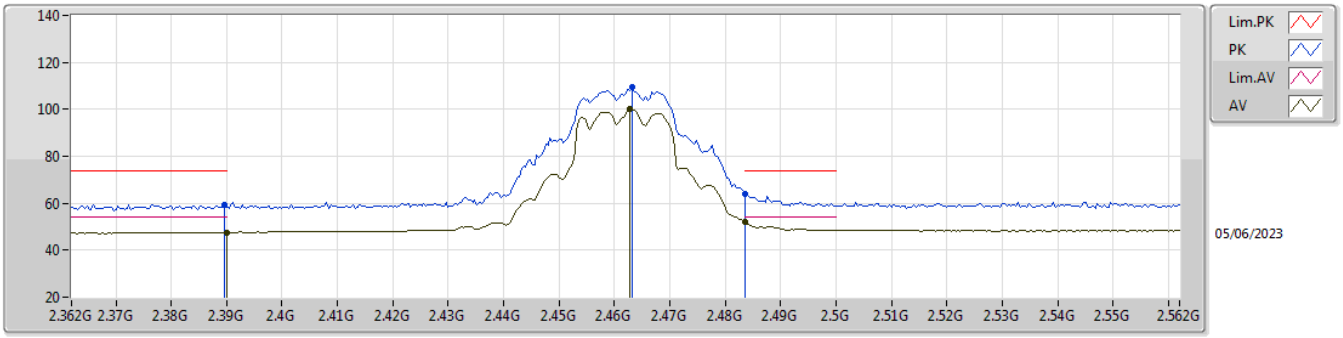


EUT Y_2TX
Setting 12
01-I-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	59.48	74.00	-14.52	28.11	3	Vertical	313	2.41	-	27.78	3.59	-
AV	2.3884G	47.61	54.00	-6.39	16.24	3	Vertical	313	2.41	-	27.78	3.59	-
PK	2.46G	109.57	Inf	-Inf	77.98	3	Vertical	313	2.41	-	27.96	3.63	-
AV	2.4604G	101.15	Inf	-Inf	69.56	3	Vertical	313	2.41	-	27.96	3.63	-
PK	2.4852G	65.44	74.00	-8.56	33.69	3	Vertical	313	2.41	-	28.11	3.64	-
AV	2.4852G	52.37	54.00	-1.63	20.62	3	Vertical	313	2.41	-	28.11	3.64	-

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

2462MHz_TX

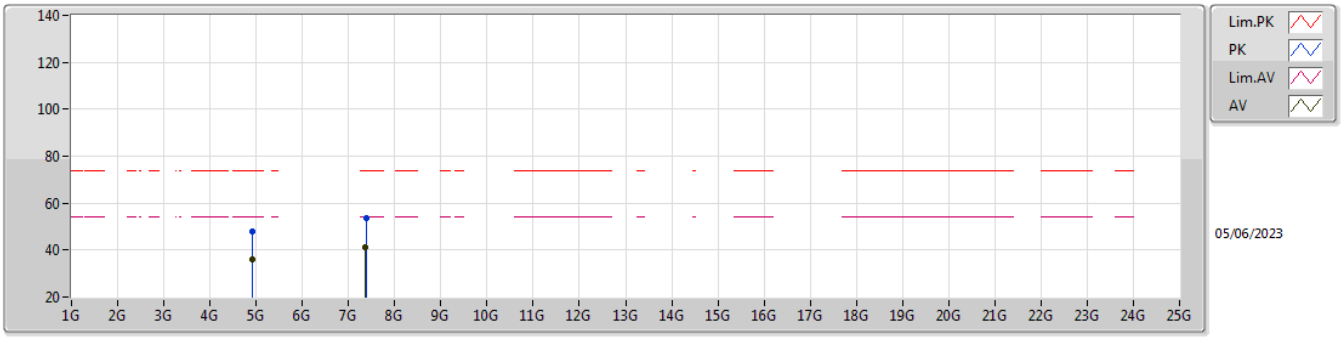


EUT Y_2TX
Setting 12
01-I-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	59.27	74.00	-14.73	27.90	3	Horizontal	325	2.06	-	27.78	3.59	-
AV	2.39G	47.62	54.00	-6.38	16.25	3	Horizontal	325	2.06	-	27.78	3.59	-
PK	2.4632G	109.34	Inf	-Inf	77.73	3	Horizontal	325	2.06	-	27.98	3.63	-
AV	2.4628G	100.06	Inf	-Inf	68.45	3	Horizontal	325	2.06	-	27.98	3.63	-
PK	2.4835G	63.87	74.00	-10.13	32.13	3	Horizontal	325	2.06	-	28.10	3.64	-
AV	2.4835G	51.82	54.00	-2.18	20.08	3	Horizontal	325	2.06	-	28.10	3.64	-

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

2462MHz_TX

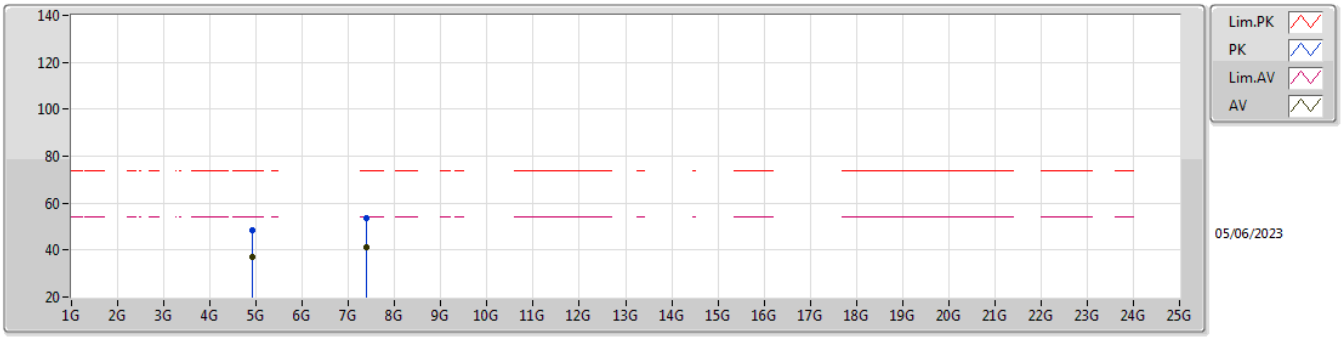


EUT Y_2TX
Setting 12
01-I-G-5

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	4.92532G	48.17	74.00	-25.83	42.29	3	Vertical	175	1.80	-	33.00	5.83	32.95
AV	4.92466G	36.27	54.00	-17.73	30.40	3	Vertical	175	1.80	-	33.00	5.82	32.95
PK	7.37982G	53.44	74.00	-20.56	41.83	3	Vertical	237	1.80	-	37.54	7.19	33.12
AV	7.37226G	41.15	54.00	-12.85	29.52	3	Vertical	237	1.80	-	37.56	7.19	33.12

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

2462MHz_TX

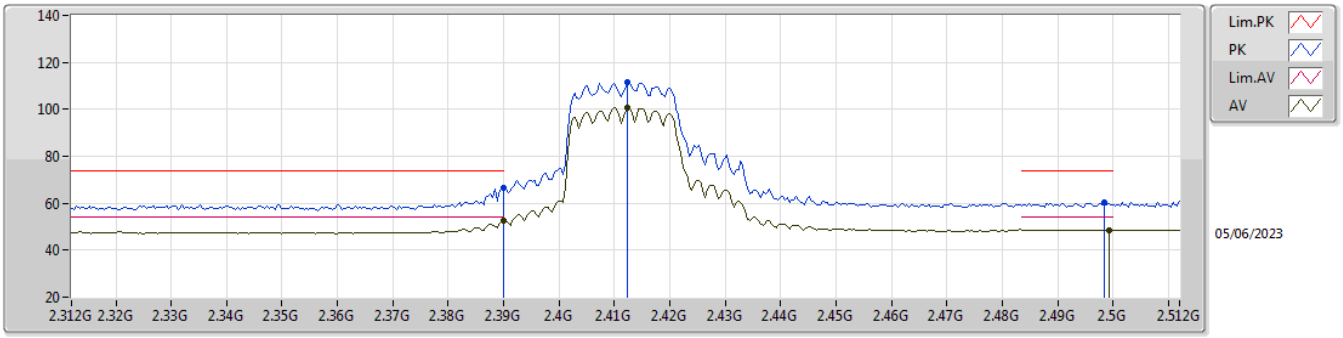


EUT Y_2TX
Setting 12
01-I-G-5

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	4.92574G	48.20	74.00	-25.80	42.32	3	Horizontal	71	1.80	-	33.00	5.83	32.95
AV	4.92448G	36.86	54.00	-17.14	30.99	3	Horizontal	71	1.80	-	33.00	5.82	32.95
PK	7.37934G	53.55	74.00	-20.45	41.94	3	Horizontal	136	1.80	-	37.54	7.19	33.12
AV	7.3872G	41.22	54.00	-12.78	29.63	3	Horizontal	136	1.80	-	37.53	7.19	33.13

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

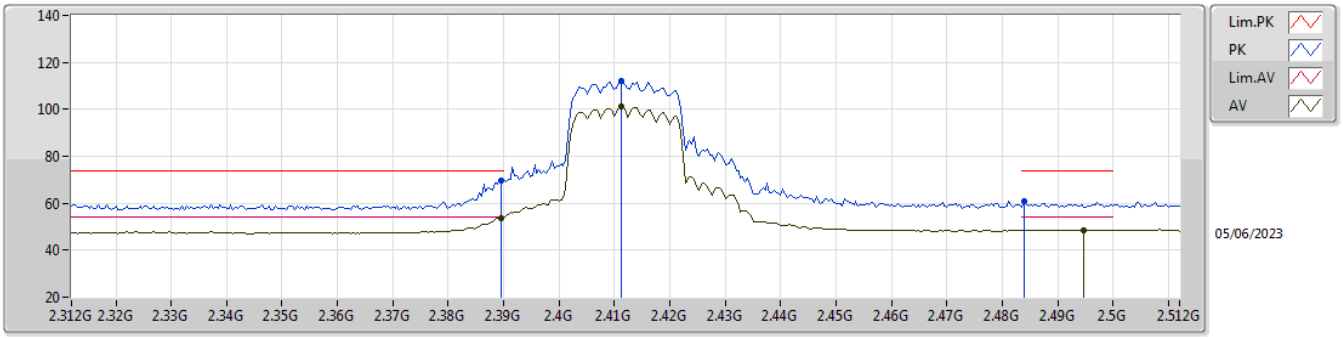


EUT Y_2TX
Setting 14.5
01-I-G-5

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	2.39G	66.60	74.00	-7.40	35.23	3	Vertical	304	1.80	-	27.78	3.59	-
AV	2.39G	52.63	54.00	-1.37	21.26	3	Vertical	304	1.80	-	27.78	3.59	-
PK	2.4124G	111.51	Inf	-Inf	80.08	3	Vertical	304	1.80	-	27.82	3.61	-
AV	2.4124G	100.75	Inf	-Inf	69.32	3	Vertical	304	1.80	-	27.82	3.61	-
PK	2.4984G	60.11	74.00	-13.89	28.27	3	Vertical	304	1.80	-	28.19	3.65	-
AV	2.4992G	48.53	54.00	-5.47	16.68	3	Vertical	304	1.80	-	28.20	3.65	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

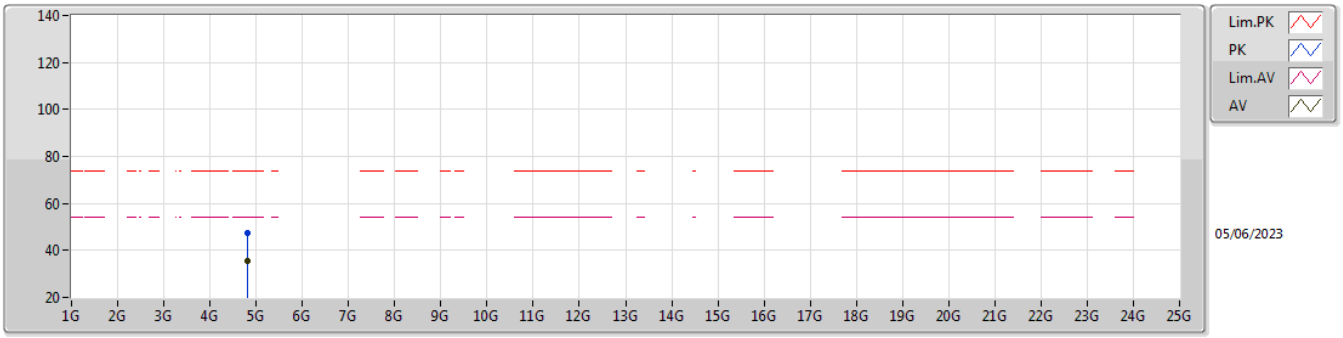


EUT Y_2TX
Setting 14.5
01-I-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	69.75	74.00	-4.25	38.38	3	Horizontal	321	1.91	-	27.78	3.59	-
AV	2.3896G	53.50	54.00	-0.50	22.13	3	Horizontal	321	1.91	-	27.78	3.59	-
PK	2.4112G	111.90	Inf	-Inf	80.47	3	Horizontal	321	1.91	-	27.82	3.61	-
AV	2.4112G	101.13	Inf	-Inf	69.70	3	Horizontal	321	1.91	-	27.82	3.61	-
PK	2.484G	60.95	74.00	-13.05	29.21	3	Horizontal	321	1.91	-	28.10	3.64	-
AV	2.4948G	48.52	54.00	-5.48	16.70	3	Horizontal	321	1.91	-	28.17	3.65	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

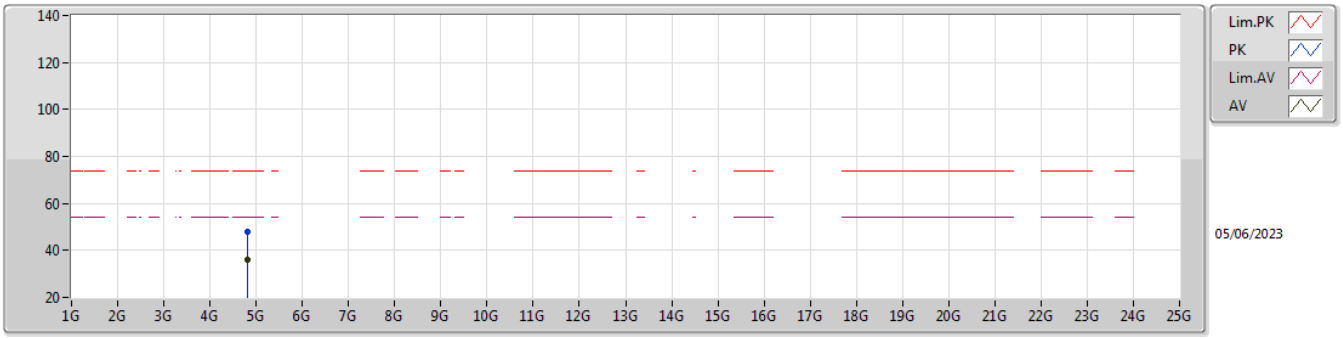


EUT Y_2TX
Setting 14.5
01-I-G-5

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	4.82462G	47.55	74.00	-26.45	41.95	3	Vertical	187	1.66	-	32.85	5.72	32.97
AV	4.82466G	35.56	54.00	-18.44	29.96	3	Vertical	187	1.66	-	32.85	5.72	32.97

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

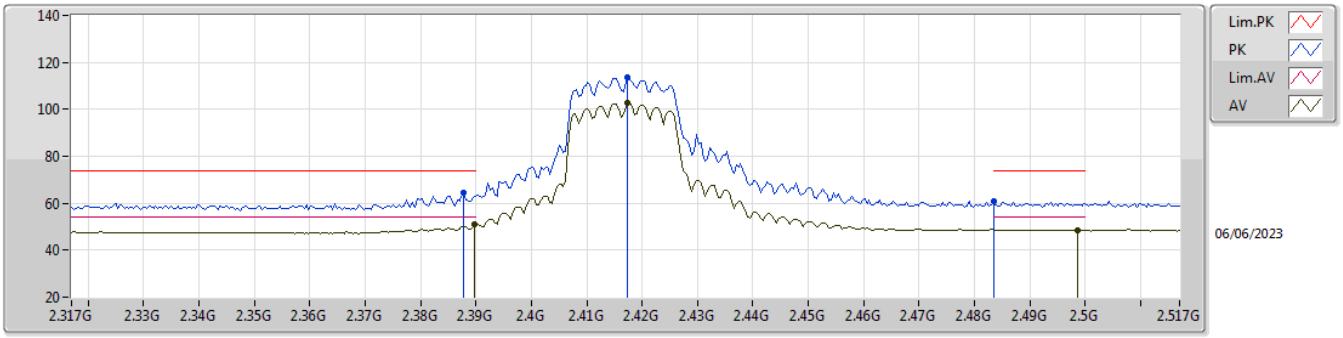


EUT Y_2TX
Setting 14.5
01-I-G-5

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	4.82172G	47.88	74.00	-26.12	42.30	3	Horizontal	130	1.80	-	32.83	5.72	32.97
AV	4.82458G	36.08	54.00	-17.92	30.48	3	Horizontal	130	1.80	-	32.85	5.72	32.97

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

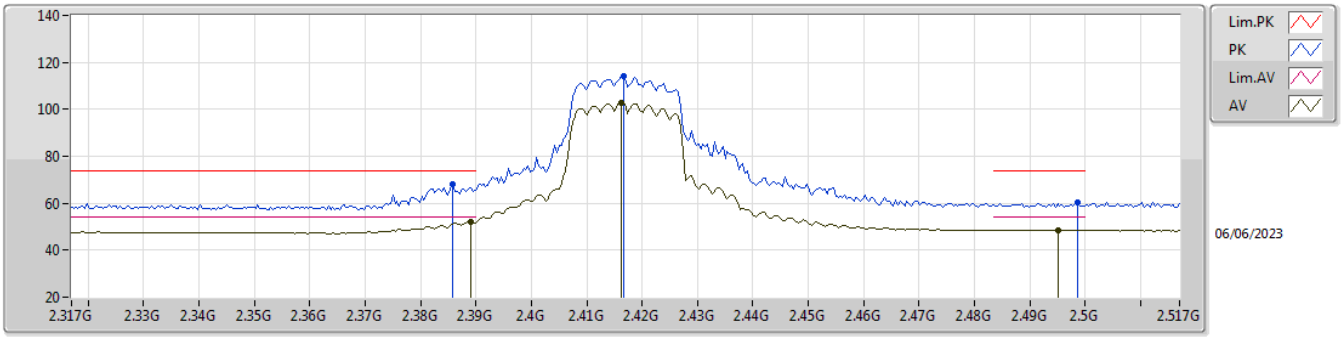


EUT Y_2TX
Setting 16
01-I-C-6

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	64.38	74.00	-9.62	33.01	3	Vertical	292	1.80	-	27.78	3.59	-
AV	2.3898G	50.87	54.00	-3.13	19.50	3	Vertical	292	1.80	-	27.78	3.59	-
PK	2.4174G	113.87	Inf	-Inf	82.43	3	Vertical	292	1.80	-	27.83	3.61	-
AV	2.4174G	102.65	Inf	-Inf	71.21	3	Vertical	292	1.80	-	27.83	3.61	-
PK	2.4835G	61.12	74.00	-12.88	29.38	3	Vertical	292	1.80	-	28.10	3.64	-
AV	2.4986G	48.63	54.00	-5.37	16.79	3	Vertical	292	1.80	-	28.19	3.65	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

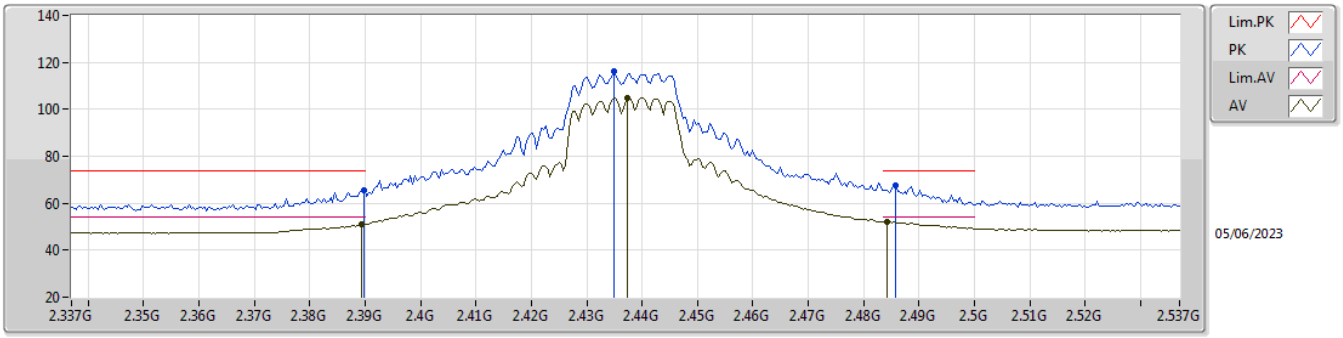


EUT Y_2TX
Setting 16
01-I-C-6

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	2.3858G	68.13	74.00	-5.87	36.77	3	Horizontal	329	1.92	-	27.77	3.59	-
AV	2.389G	52.26	54.00	-1.74	20.89	3	Horizontal	329	1.92	-	27.78	3.59	-
PK	2.4166G	114.20	Inf	-Inf	82.76	3	Horizontal	329	1.92	-	27.83	3.61	-
AV	2.4162G	102.83	Inf	-Inf	71.39	3	Horizontal	329	1.92	-	27.83	3.61	-
PK	2.4986G	60.21	74.00	-13.79	28.37	3	Horizontal	329	1.92	-	28.19	3.65	-
AV	2.495G	48.62	54.00	-5.38	16.80	3	Horizontal	329	1.92	-	28.17	3.65	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

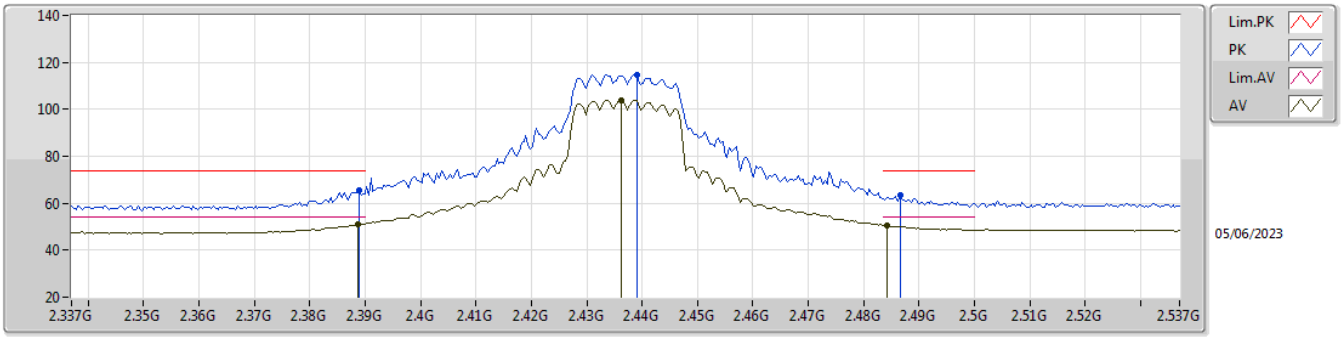


EUT Y_2TX
Setting 18
01-I-G-5

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	2.3898G	65.67	74.00	-8.33	34.30	3	Vertical	307	2.17	-	27.78	3.59	-
AV	2.3894G	50.95	54.00	-3.05	19.58	3	Vertical	307	2.17	-	27.78	3.59	-
PK	2.435G	116.08	Inf	-Inf	84.59	3	Vertical	307	2.17	-	27.87	3.62	-
AV	2.4374G	105.06	Inf	-Inf	73.57	3	Vertical	307	2.17	-	27.87	3.62	-
PK	2.4858G	67.83	74.00	-6.17	36.08	3	Vertical	307	2.17	-	28.11	3.64	-
AV	2.4842G	52.02	54.00	-1.98	20.27	3	Vertical	307	2.17	-	28.11	3.64	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

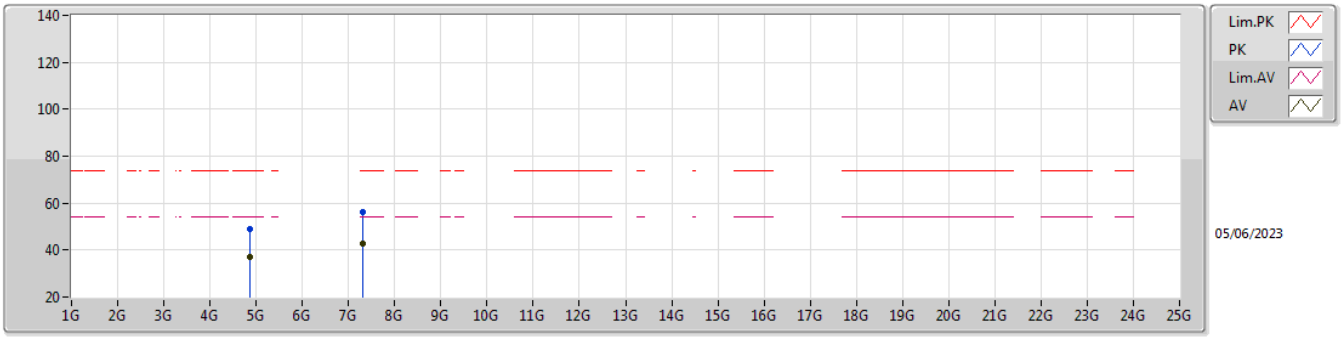


EUT Y_2TX
Setting 18
01-I-G-5

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	65.60	74.00	-8.40	34.23	3	Horizontal	332	2.35	-	27.78	3.59	-
AV	2.3886G	51.13	54.00	-2.87	19.76	3	Horizontal	332	2.35	-	27.78	3.59	-
PK	2.439G	114.76	Inf	-Inf	83.26	3	Horizontal	332	2.35	-	27.88	3.62	-
AV	2.4362G	103.88	Inf	-Inf	72.39	3	Horizontal	332	2.35	-	27.87	3.62	-
PK	2.4866G	63.61	74.00	-10.39	31.85	3	Horizontal	332	2.35	-	28.12	3.64	-
AV	2.4842G	50.65	54.00	-3.35	18.90	3	Horizontal	332	2.35	-	28.11	3.64	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

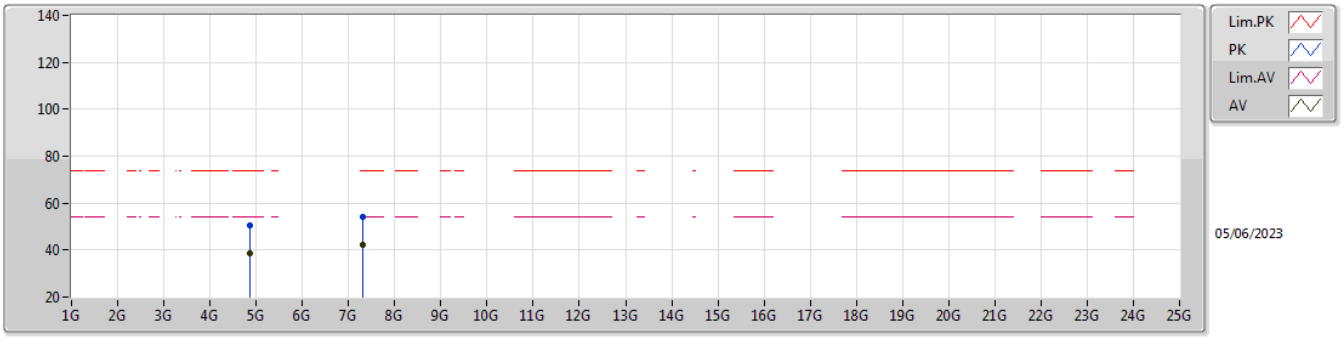


EUT Y_2TX
Setting 18
01-I-G-5

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	4.8743G	49.01	74.00	-24.99	43.20	3	Vertical	177	1.64	-	33.00	5.77	32.96
AV	4.87442G	37.24	54.00	-16.76	31.43	3	Vertical	177	1.64	-	33.00	5.77	32.96
PK	7.31016G	55.96	74.00	-18.04	44.30	3	Vertical	19	3.00	-	37.60	7.16	33.10
AV	7.30548G	42.92	54.00	-11.08	31.27	3	Vertical	19	3.00	-	37.60	7.15	33.10

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

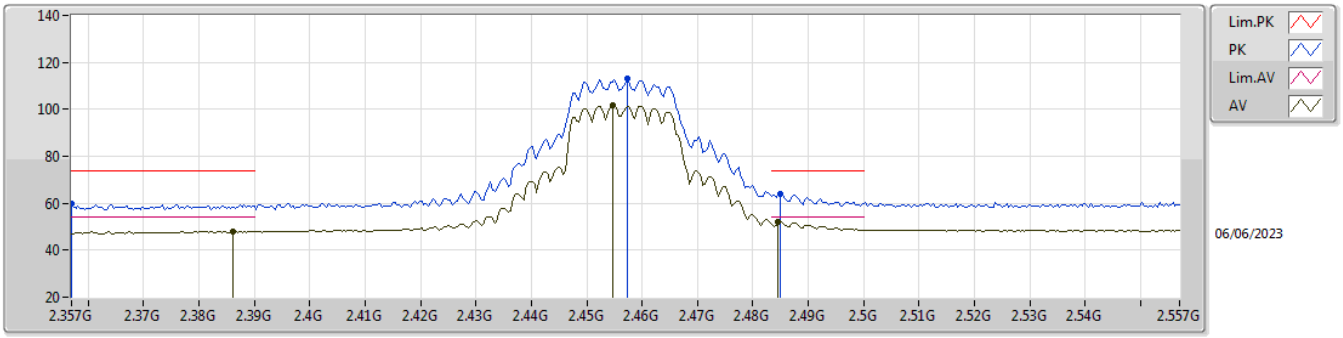


EUT Y_2TX
Setting 18
01-I-G-5

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	4.87418G	50.69	74.00	-23.31	44.88	3	Horizontal	123	1.74	-	33.00	5.77	32.96
AV	4.87466G	38.85	54.00	-15.15	33.04	3	Horizontal	123	1.74	-	33.00	5.77	32.96
PK	7.31034G	54.20	74.00	-19.80	42.54	3	Horizontal	10	2.06	-	37.60	7.16	33.10
AV	7.31078G	42.04	54.00	-11.96	30.38	3	Horizontal	10	2.06	-	37.60	7.16	33.10

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

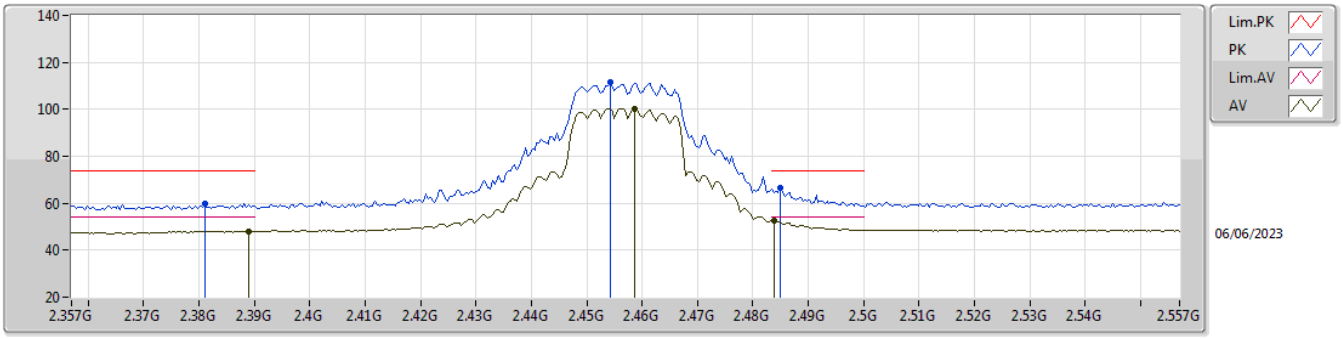


EUT Y_2TX
Setting 15
01-I-C-6

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	2.357G	59.58	74.00	-14.42	28.31	3	Vertical	314	2.43	-	27.71	3.56	-
AV	2.3862G	47.96	54.00	-6.04	16.60	3	Vertical	314	2.43	-	27.77	3.59	-
PK	2.4574G	113.03	Inf	-Inf	81.46	3	Vertical	314	2.43	-	27.94	3.63	-
AV	2.4546G	101.93	Inf	-Inf	70.37	3	Vertical	314	2.43	-	27.93	3.63	-
PK	2.485G	64.13	74.00	-9.87	32.38	3	Vertical	314	2.43	-	28.11	3.64	-
AV	2.4846G	51.94	54.00	-2.06	20.19	3	Vertical	314	2.43	-	28.11	3.64	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

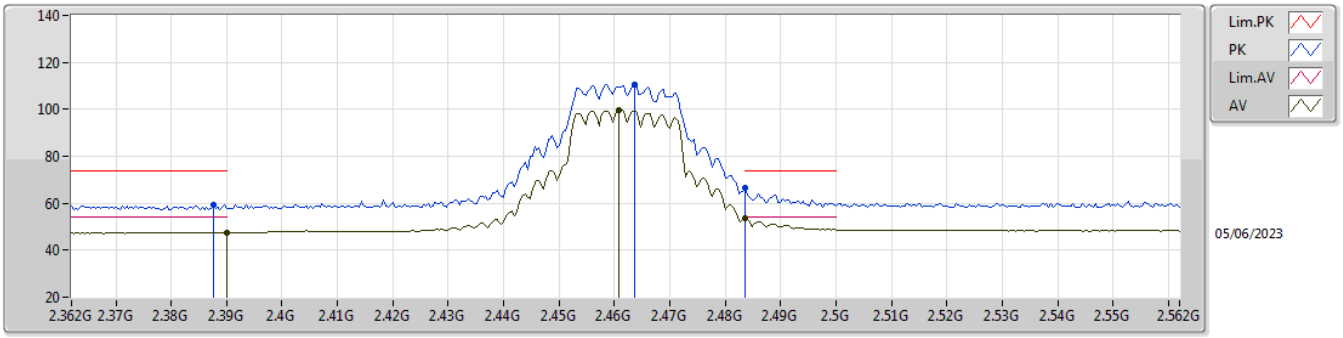


EUT Y_2TX
Setting 15
01-I-C-6

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	2.381G	59.75	74.00	-14.25	28.41	3	Horizontal	328	2.07	-	27.76	3.58	-
AV	2.389G	47.99	54.00	-6.01	16.62	3	Horizontal	328	2.07	-	27.78	3.59	-
PK	2.4542G	111.47	Inf	-Inf	79.91	3	Horizontal	328	2.07	-	27.93	3.63	-
AV	2.4586G	100.42	Inf	-Inf	68.84	3	Horizontal	328	2.07	-	27.95	3.63	-
PK	2.485G	66.79	74.00	-7.21	35.04	3	Horizontal	328	2.07	-	28.11	3.64	-
AV	2.4838G	52.81	54.00	-1.19	21.07	3	Horizontal	328	2.07	-	28.10	3.64	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

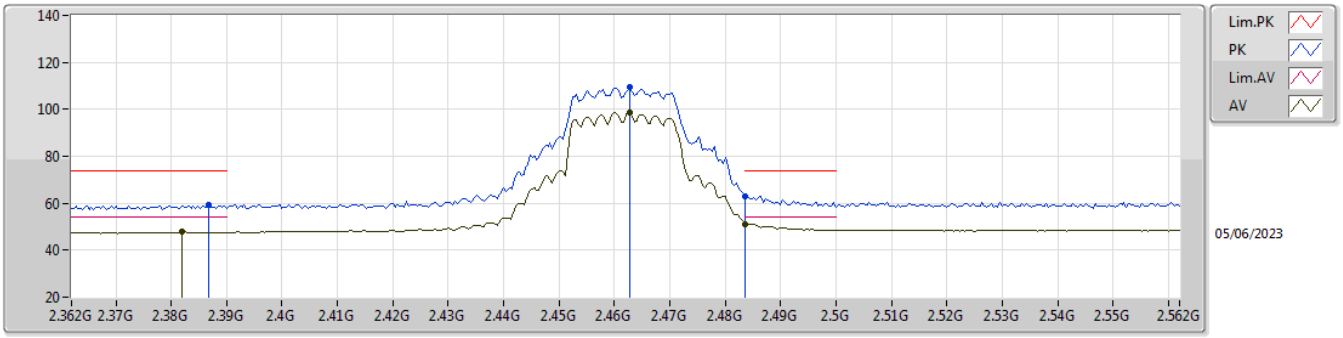


EUT Y_2TX
Setting 12.5
01-I-G-5

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	2.3876G	59.33	74.00	-14.67	27.96	3	Vertical	313	2.43	-	27.78	3.59	-
AV	2.39G	47.62	54.00	-6.38	16.25	3	Vertical	313	2.43	-	27.78	3.59	-
PK	2.4636G	110.55	Inf	-Inf	78.94	3	Vertical	313	2.43	-	27.98	3.63	-
AV	2.4608G	99.86	Inf	-Inf	68.27	3	Vertical	313	2.43	-	27.96	3.63	-
PK	2.4835G	66.54	74.00	-7.46	34.80	3	Vertical	313	2.43	-	28.10	3.64	-
AV	2.4835G	53.65	54.00	-0.35	21.91	3	Vertical	313	2.43	-	28.10	3.64	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

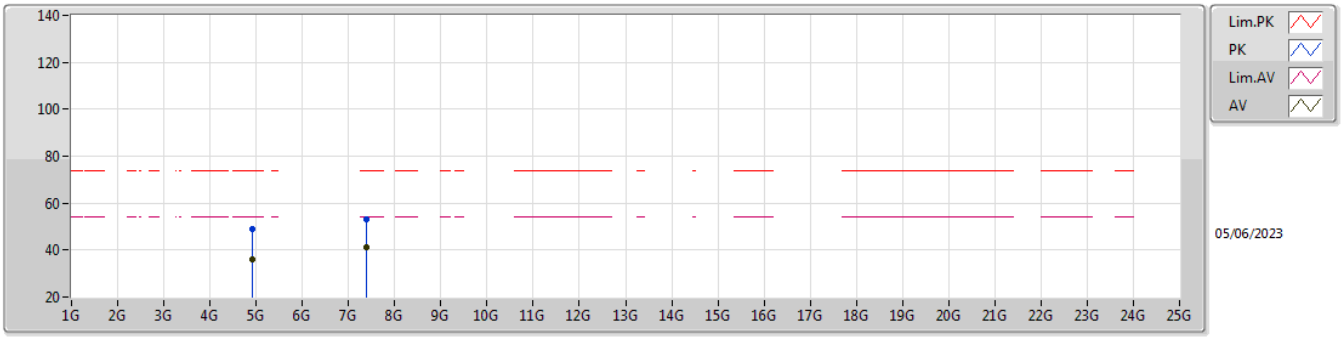


EUT Y_2TX
Setting 12.5
01-I-G-5

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	59.25	74.00	-14.75	27.89	3	Horizontal	324	2.06	-	27.77	3.59	-
AV	2.382G	47.84	54.00	-6.16	16.50	3	Horizontal	324	2.06	-	27.76	3.58	-
PK	2.4628G	109.37	Inf	-Inf	77.76	3	Horizontal	324	2.06	-	27.98	3.63	-
AV	2.4628G	98.53	Inf	-Inf	66.92	3	Horizontal	324	2.06	-	27.98	3.63	-
PK	2.4835G	63.05	74.00	-10.95	31.31	3	Horizontal	324	2.06	-	28.10	3.64	-
AV	2.4835G	51.25	54.00	-2.75	19.51	3	Horizontal	324	2.06	-	28.10	3.64	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

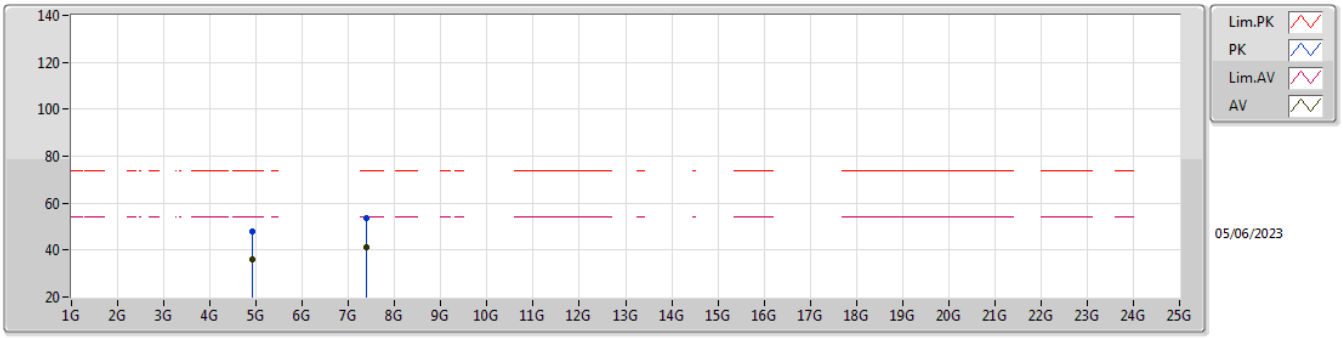


EUT Y_2TX
Setting 12.5
01-I-G-5

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	4.92646G	48.87	74.00	-25.13	42.99	3	Vertical	175	1.79	-	33.00	5.83	32.95
AV	4.92442G	35.87	54.00	-18.13	30.00	3	Vertical	175	1.79	-	33.00	5.82	32.95
PK	7.38456G	53.36	74.00	-20.64	41.77	3	Vertical	354	1.80	-	37.53	7.19	33.13
AV	7.38534G	41.15	54.00	-12.85	29.56	3	Vertical	354	1.80	-	37.53	7.19	33.13

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

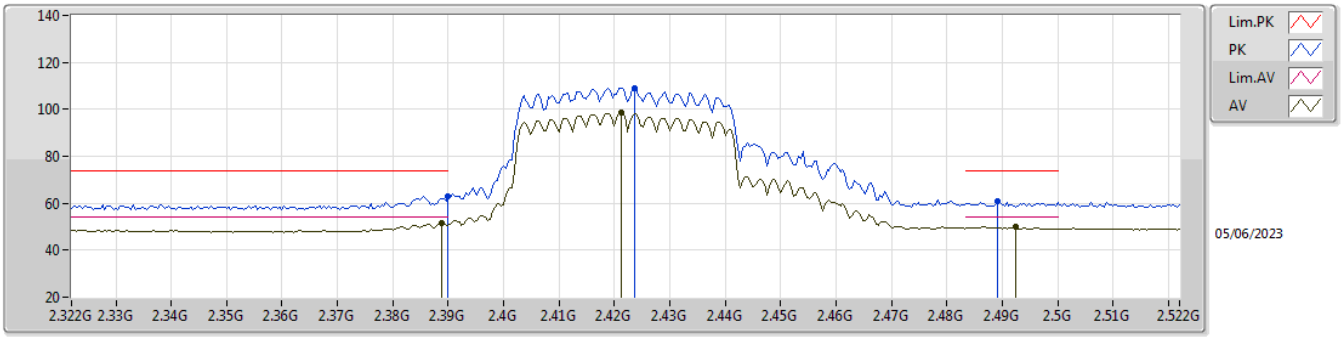


EUT Y_2TX
Setting 12.5
01-I-G-5

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	4.92568G	47.98	74.00	-26.02	42.10	3	Horizontal	68	1.78	-	33.00	5.83	32.95
AV	4.92418G	36.10	54.00	-17.90	30.23	3	Horizontal	68	1.78	-	33.00	5.82	32.95
PK	7.38678G	53.40	74.00	-20.60	41.81	3	Horizontal	308	3.00	-	37.53	7.19	33.13
AV	7.38198G	41.10	54.00	-12.90	29.49	3	Horizontal	308	3.00	-	37.54	7.19	33.12

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

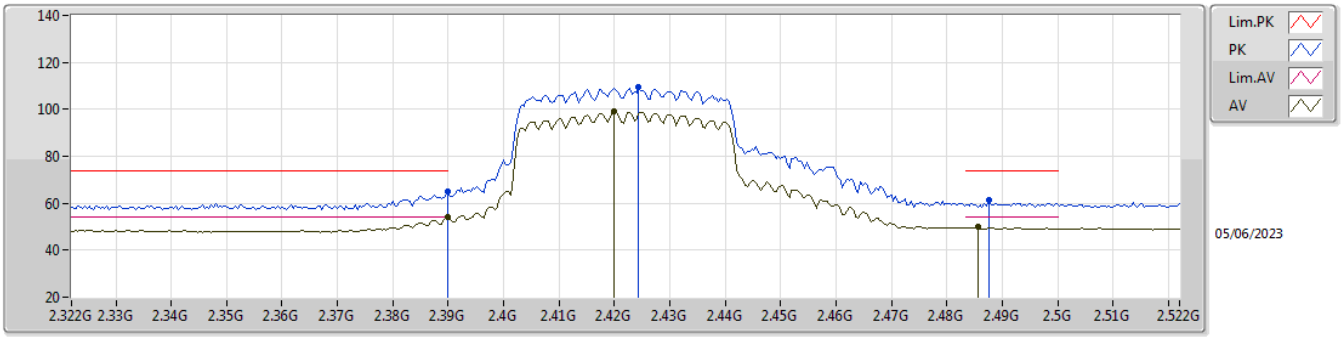


EUT Y_2TX
Setting 14.5
01-I-G-5

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	2.39G	63.10	74.00	-10.90	31.73	3	Vertical	302	1.80	-	27.78	3.59	-
AV	2.3888G	51.66	54.00	-2.34	20.29	3	Vertical	302	1.80	-	27.78	3.59	-
PK	2.4236G	109.13	Inf	-Inf	77.67	3	Vertical	302	1.80	-	27.85	3.61	-
AV	2.4212G	98.43	Inf	-Inf	66.98	3	Vertical	302	1.80	-	27.84	3.61	-
PK	2.4892G	60.64	74.00	-13.36	28.86	3	Vertical	302	1.80	-	28.14	3.64	-
AV	2.4924G	49.77	54.00	-4.23	17.97	3	Vertical	302	1.80	-	28.15	3.65	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

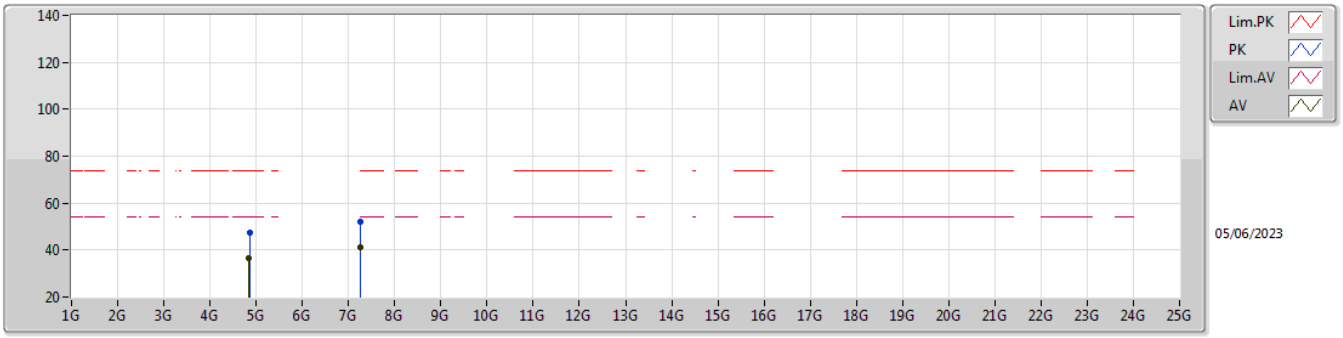


EUT Y_2TX
Setting 14.5
01-I-G-5

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	2.39G	64.75	74.00	-9.25	33.38	3	Horizontal	325	2.35	-	27.78	3.59	-
AV	2.39G	53.90	54.00	-0.10	22.53	3	Horizontal	325	2.35	-	27.78	3.59	-
PK	2.4244G	109.52	Inf	-Inf	78.06	3	Horizontal	325	2.35	-	27.85	3.61	-
AV	2.42G	98.92	Inf	-Inf	67.47	3	Horizontal	325	2.35	-	27.84	3.61	-
PK	2.4876G	61.16	74.00	-12.84	29.39	3	Horizontal	325	2.35	-	28.13	3.64	-
AV	2.4856G	49.75	54.00	-4.25	18.00	3	Horizontal	325	2.35	-	28.11	3.64	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

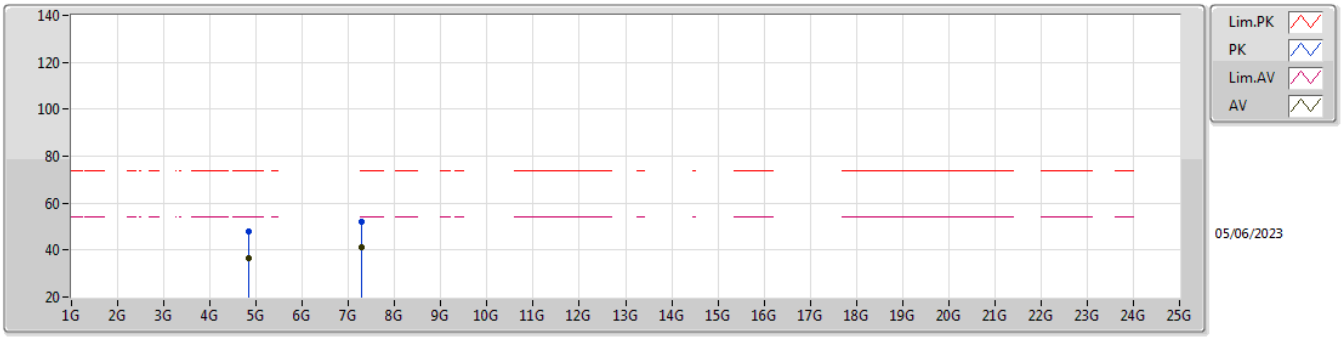


EUT Y_2TX
Setting 14.5
01-I-G-5

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	4.851126G	47.56	74.00	-26.44	41.77	3	Vertical	188	1.34	-	33.00	5.75	32.96
AV	4.8437G	36.80	54.00	-17.20	31.06	3	Vertical	188	1.34	-	32.96	5.74	32.96
PK	7.25718G	52.30	74.00	-21.70	40.83	3	Vertical	126	2.30	-	37.43	7.13	33.09
AV	7.269G	41.14	54.00	-12.86	29.62	3	Vertical	126	2.30	-	37.48	7.13	33.09

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

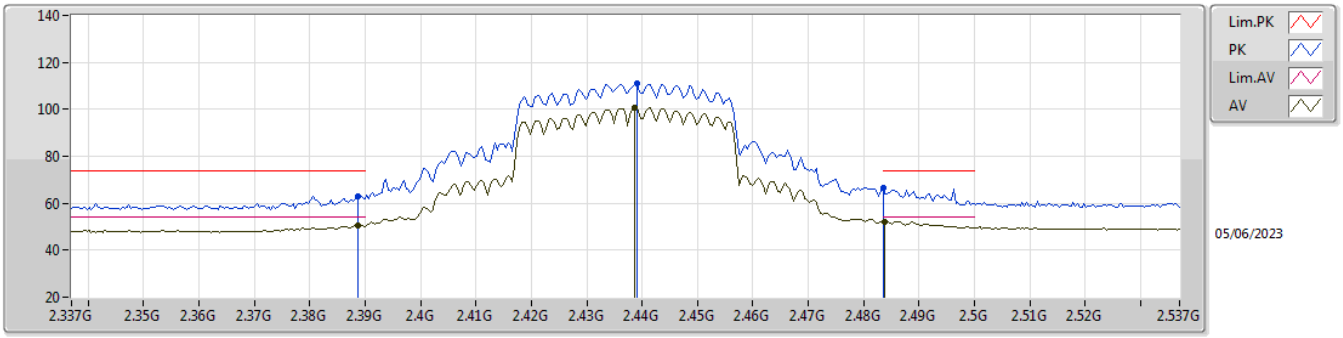


EUT Y_2TX
Setting 14.5
01-I-G-5

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	4.8491G	48.05	74.00	-25.95	42.27	3	Horizontal	65	1.66	-	32.99	5.75	32.96
AV	4.84202G	36.78	54.00	-17.22	31.05	3	Horizontal	65	1.66	-	32.95	5.74	32.96
PK	7.27524G	52.04	74.00	-21.96	40.49	3	Horizontal	187	2.60	-	37.50	7.14	33.09
AV	7.27932G	41.31	54.00	-12.69	29.74	3	Horizontal	187	2.60	-	37.52	7.14	33.09

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

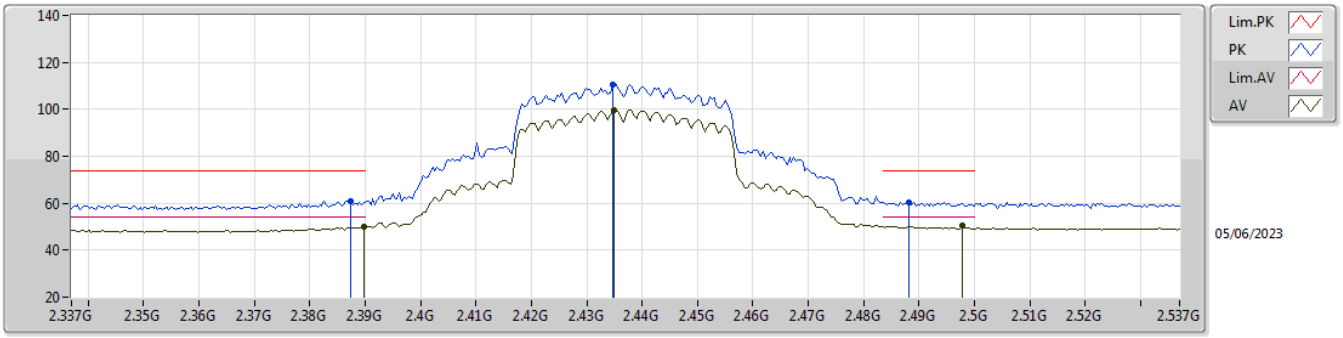


EUT Y_2TX
Setting 15.5
01-I-G-5

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	63.14	74.00	-10.86	31.77	3	Vertical	308	2.18	-	27.78	3.59	-
AV	2.3886G	50.57	54.00	-3.43	19.20	3	Vertical	308	2.18	-	27.78	3.59	-
PK	2.439G	110.81	Inf	-Inf	79.31	3	Vertical	308	2.18	-	27.88	3.62	-
AV	2.4386G	100.64	Inf	-Inf	69.14	3	Vertical	308	2.18	-	27.88	3.62	-
PK	2.4835G	66.74	74.00	-7.26	35.00	3	Vertical	308	2.18	-	28.10	3.64	-
AV	2.4838G	52.18	54.00	-1.82	20.44	3	Vertical	308	2.18	-	28.10	3.64	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

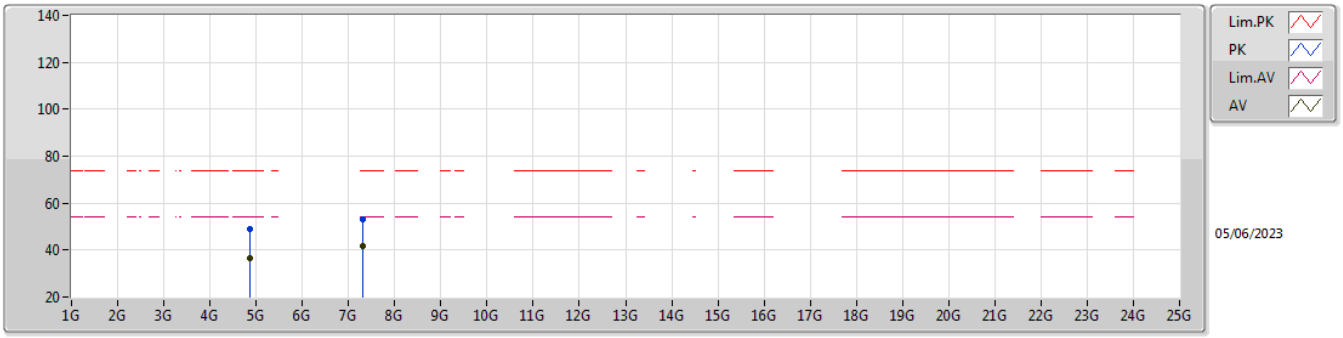


EUT Y_2TX
Setting 15.5
01-I-G-5

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	61.03	74.00	-12.97	29.67	3	Horizontal	326	1.70	-	27.77	3.59	-
AV	2.3898G	49.98	54.00	-4.02	18.61	3	Horizontal	326	1.70	-	27.78	3.59	-
PK	2.4346G	110.38	Inf	-Inf	78.89	3	Horizontal	326	1.70	-	27.87	3.62	-
AV	2.435G	99.62	Inf	-Inf	68.13	3	Horizontal	326	1.70	-	27.87	3.62	-
PK	2.4882G	60.57	74.00	-13.43	28.80	3	Horizontal	326	1.70	-	28.13	3.64	-
AV	2.4978G	50.46	54.00	-3.54	18.62	3	Horizontal	326	1.70	-	28.19	3.65	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

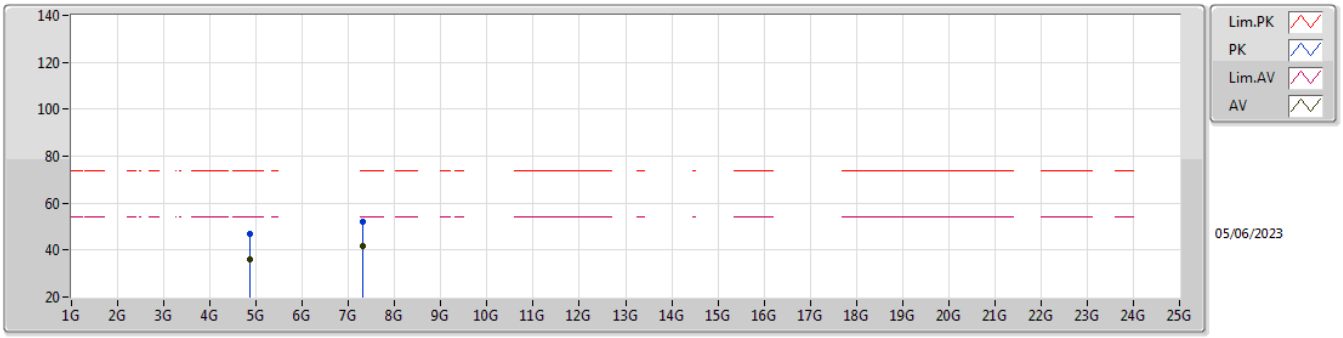


EUT Y_2TX
Setting 15.5
01-I-G-5

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	4.86716G	48.87	74.00	-25.13	43.06	3	Vertical	189	1.68	-	33.00	5.77	32.96
AV	4.86662G	36.44	54.00	-17.56	30.63	3	Vertical	189	1.68	-	33.00	5.77	32.96
PK	7.31646G	53.33	74.00	-20.67	41.67	3	Vertical	251	1.12	-	37.60	7.16	33.10
AV	7.30056G	41.56	54.00	-12.44	29.91	3	Vertical	251	1.12	-	37.60	7.15	33.10

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

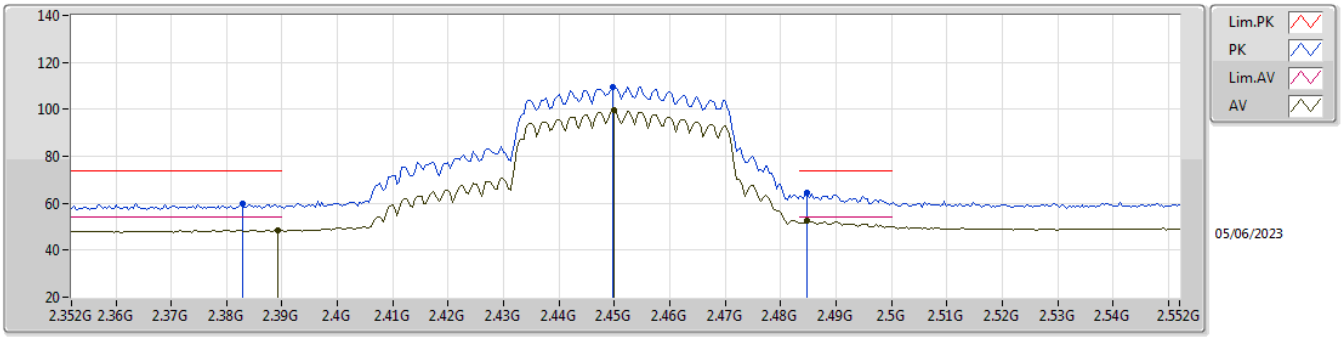


EUT Y_2TX
Setting 15.5
01-I-G-5

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	4.87694G	46.87	74.00	-27.13	41.05	3	Horizontal	133	2.98	-	33.00	5.78	32.96
AV	4.87064G	36.02	54.00	-17.98	30.21	3	Horizontal	133	2.98	-	33.00	5.77	32.96
PK	7.3209G	52.27	74.00	-21.73	40.62	3	Horizontal	310	1.05	-	37.60	7.16	33.11
AV	7.30014G	41.67	54.00	-12.33	30.02	3	Horizontal	310	1.05	-	37.60	7.15	33.10

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

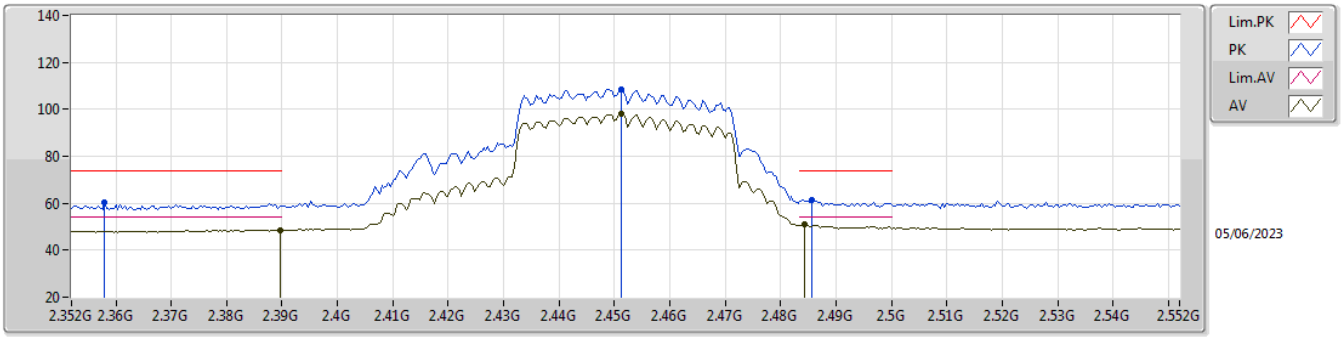


EUT Y_2TX
Setting 14
01-I-G-5

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	59.91	74.00	-14.09	28.56	3	Vertical	300	2.40	-	27.77	3.58	-
AV	2.3892G	48.64	54.00	-5.36	17.27	3	Vertical	300	2.40	-	27.78	3.59	-
PK	2.4496G	109.57	Inf	-Inf	78.05	3	Vertical	300	2.40	-	27.90	3.62	-
AV	2.45G	99.65	Inf	-Inf	68.13	3	Vertical	300	2.40	-	27.90	3.62	-
PK	2.4848G	64.42	74.00	-9.58	32.67	3	Vertical	300	2.40	-	28.11	3.64	-
AV	2.4848G	52.37	54.00	-1.63	20.62	3	Vertical	300	2.40	-	28.11	3.64	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

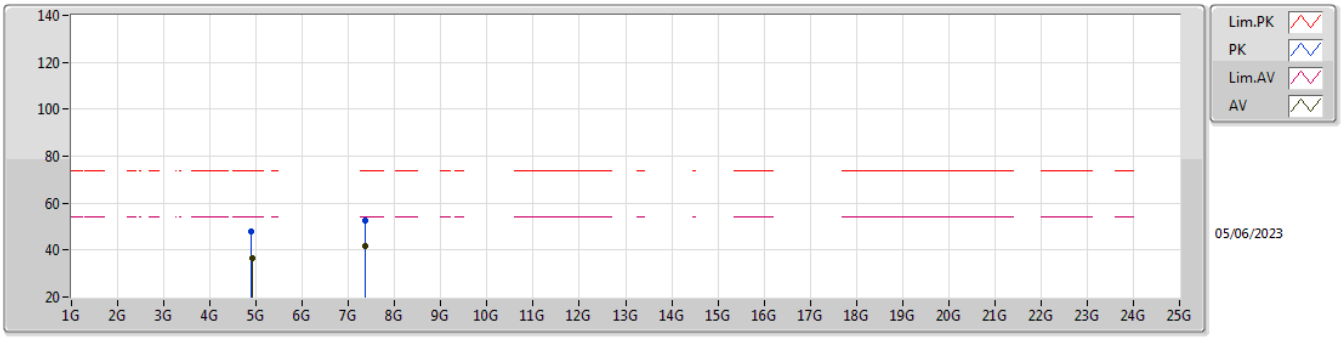


EUT Y_2TX
Setting 14
01-I-G-5

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	2.358G	60.14	74.00	-13.86	28.86	3	Horizontal	321	2.08	-	27.72	3.56	-
AV	2.3896G	48.64	54.00	-5.36	17.27	3	Horizontal	321	2.08	-	27.78	3.59	-
PK	2.4512G	108.47	Inf	-Inf	76.93	3	Horizontal	321	2.08	-	27.91	3.63	-
AV	2.4512G	97.94	Inf	-Inf	66.40	3	Horizontal	321	2.08	-	27.91	3.63	-
PK	2.4856G	61.40	74.00	-12.60	29.65	3	Horizontal	321	2.08	-	28.11	3.64	-
AV	2.4844G	51.06	54.00	-2.94	19.31	3	Horizontal	321	2.08	-	28.11	3.64	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

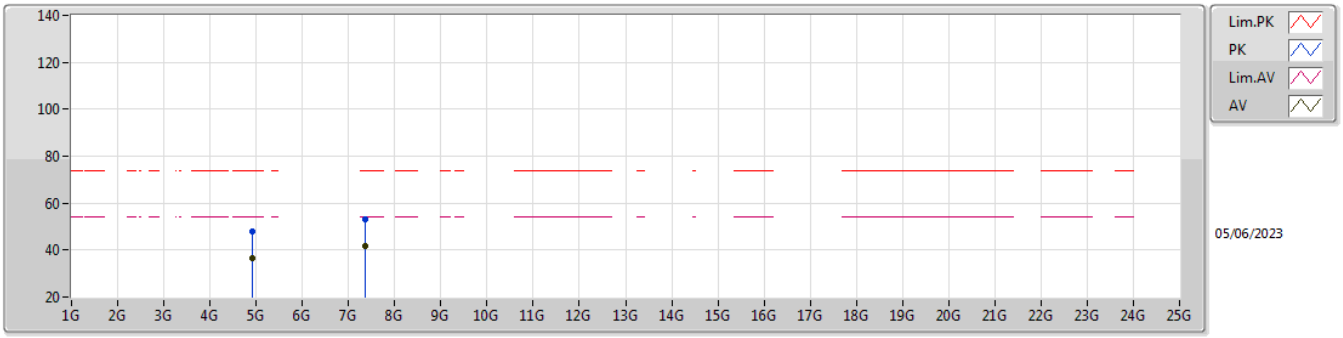


EUT Y_2TX
Setting 14
01-I-G-5

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	4.89368G	47.75	74.00	-26.25	41.91	3	Vertical	171	2.07	-	33.00	5.79	32.95
AV	4.91504G	36.37	54.00	-17.63	30.50	3	Vertical	171	2.07	-	33.00	5.82	32.95
PK	7.35822G	52.83	74.00	-21.17	41.19	3	Vertical	77	1.78	-	37.58	7.18	33.12
AV	7.36914G	41.93	54.00	-12.07	30.31	3	Vertical	77	1.78	-	37.56	7.18	33.12

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



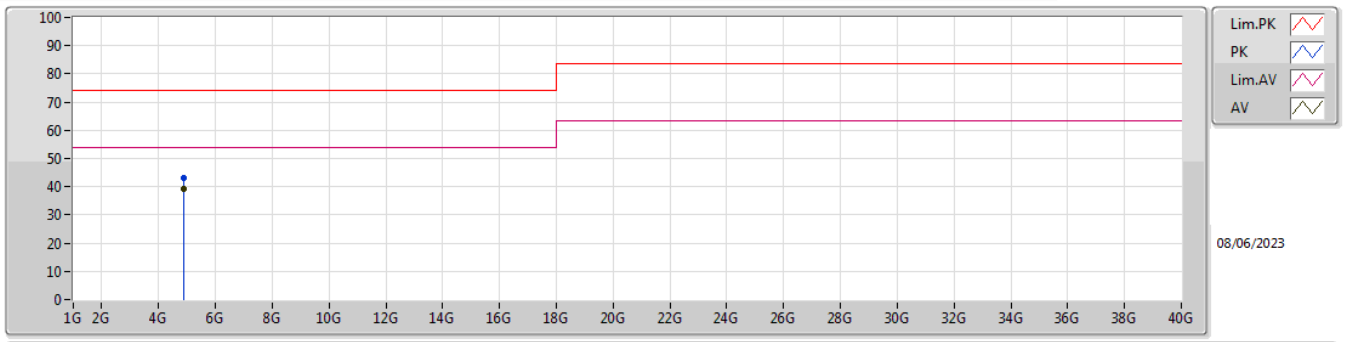
EUT Y_2TX
Setting 14
01-I-G-5

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	4.90574G	48.02	74.00	-25.98	42.16	3	Horizontal	124	1.80	-	33.00	5.81	32.95
AV	4.91402G	36.79	54.00	-17.21	30.93	3	Horizontal	124	1.80	-	33.00	5.81	32.95
PK	7.3509G	53.04	74.00	-20.96	41.38	3	Horizontal	357	2.70	-	37.60	7.18	33.12
AV	7.36746G	41.88	54.00	-12.12	30.25	3	Horizontal	357	2.70	-	37.57	7.18	33.12

Summary

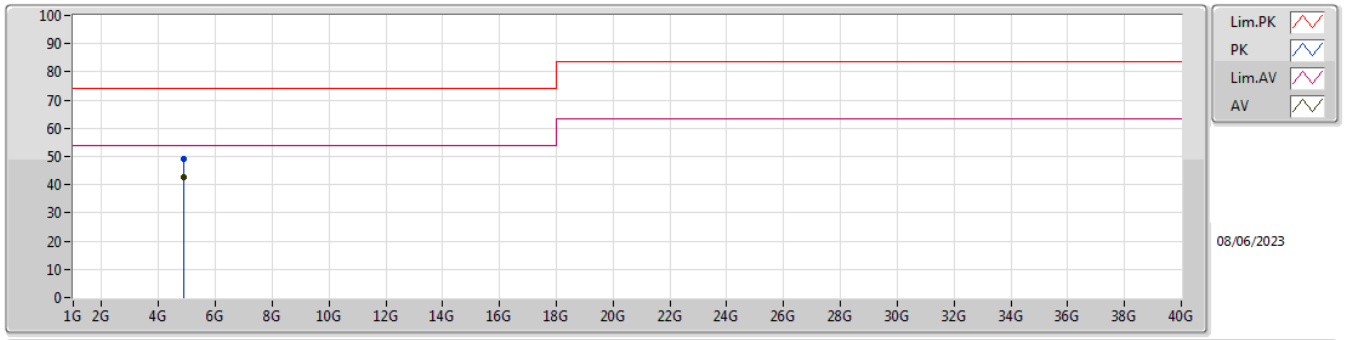
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.87391G	42.57	54.00	-11.43	Horizontal

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	4.8744G	43.29	74.00	-30.71	4.78	3	Vertical	306	1.76	-	38.51	32.65	5.97	33.84
AV	4.87391G	39.13	54.00	-14.87	4.78	3	Vertical	306	1.76	"Worst"	34.35	32.65	5.97	33.84

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	4.87407G	48.93	74.00	-25.07	4.78	3	Horizontal	206	1.81	-	44.15	32.65	5.97	33.84
AV	4.87391G	42.57	54.00	-11.43	4.78	3	Horizontal	206	1.81	"Worst"	37.79	32.65	5.97	33.84