Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	2A9R2-ATM-G1A
Equipment	:	ATOM Audio Mesh Wi-Fi
Brand Name	:	iMicro
Model Name	:	ATM-G1A
Applicant	:	iMicro Systems Inc. 8583 Irvine Center Drive #237, CA, 92618, USA
Manufacturer	:	iMicro Systems Inc. 8583 Irvine Center Drive #237, CA, 92618, USA
Standard	:	47 CFR FCC Part 15.247

The product was received on Sep. 06, 2023, and testing was started from Sep. 15, 2023 and completed on Sep. 18, 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
FR381847AA	01	Initial issue of report	Oct. 13, 2023
FR381847AA	02	Revising Manufacturer's information	Oct. 17, 2023
FR381847AA	03	Adding Bridge mode in section 1.1.6	Nov. 01, 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:

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

Reviewed by: Sam Chen
Report Producer: Sophia Shiung

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	VHT20	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	VHT40	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX

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

1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz					
1	1	-	TAC	AC10204-01A	Dipole	I-Pex	4.3
2	2	-	TAC	AC10204-01B	Dipole	I-Pex	4.3
3	-	2	TAC	AC10506-01A	Dipole	I-Pex	5
4	-	3	TAC	AC10506-01B	Dipole	I-Pex	5
5	-	4	TAC	AC10506-01C	Dipole	I-Pex	5
6	-	1	TAC	AC10507-01	Dipole	I-Pex	5

Note 1: The above information was declared by manufacturer.
Note 2: 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	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$

Ex.

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

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= 4.3 dBi ; G2= 4.3 dBi ;DG= 7.31dBi

5G G1= 5 dBi ; G2= 5 dBi ; G3= 5 dBi ; G4= 5 dBi ;DG= 11.02dBi

Note 3: **For 2.4GHz function:**
For IEEE 802.11 b/g/n/VHT/ax (2TX/2RX):
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.
For 5GHz function:
For IEEE 802.11a/n/ac/ax (4TX/4RX):
Port 1~4 can be used as transmitting/receiving antenna.
Port 1~4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.866	0.62	690u	3k
802.11g	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	0.973	0.12	5.133m	300
802.11ax HEW40	0.967	0.15	5.295m	300

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	QSPR V_5.0-00202			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT Information

EUT	Housing Color
1	White
2	Gray

Note 1: The EUT 1 and EUT 2 are identical except for the housing color; the EUT 1 was selected to test AC power-line conducted emissions and Emissions in Restricted Frequency Bands below 1GHz, and the EUT 2 was selected to test other test items.

Note 2: The above information was declared by manufacturer.

1.1.6 Table for EUT supports Function

Function
AP Router
Bridge
Mesh

Note 1: The AP Router mode was tested and recorded in this test report.

Note 2: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

Testing Location Information	
Test Lab.：Sporton International Inc. Hsinchu Laboratory	
Hsinchu (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	KJ Chang	22.6~23 / 62~66	Sep. 18, 2023
Radiated < 1GHz	03CH05-CB	George Fan	21.2-22.3 / 56-59	Sep. 15, 2023
Radiated > 1GHz	03CH01-CB	Eason chen	21.2-22.3 / 56-59	Sep. 15, 2023~ Sep. 16, 2023
	03CH02-CB		22-23 / 56-59	
AC Conduction	CO01-CB	Elvin Yeh	22~23 / 55~56	Sep. 15, 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	21
2417MHz	23.5
2437MHz	25
2462MHz	24
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	22
2417MHz	23.5
2437MHz	25.5
2462MHz	23
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	22
2417MHz	23
2437MHz	25
2462MHz	22.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	21.5
2437MHz	24
2452MHz	22

Note:
- Evaluated HEW20 / HEW40 mode only, due to similar modulation. The power setting of HT20 / HT40 / VHT20 / VHT40 modes are the same or lower than HEW20 / HEW40.

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 1 (AP Router mode) + Adapter

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	
Test Mode	1	EUT 2

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, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT 1 (AP Router mode) in Y axis + Adapter
Operating Mode > 1GHz	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT 2 in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT 2_WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA381847 for Co-location RF Exposure Evaluation.	

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				
Equipment Name	**Brand Name**	**Model Name**	**Rating**	**Remark**
Adapter	AtechOEM	A0605TD-190034	Input: 100-240V ~ 50-60Hz, 1.8A Output: 19.0V, 3.42A, 65.0W	DC power cable: Non-shielded, 1m
Others				
Power cable*1: Non-shielded, 1.8m				
RJ-45 cable*1: Non-shielded, 1.5m				

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	WLAN AP	D-LINK	DIR860L	N/A

For Radiated (below 1GHz):

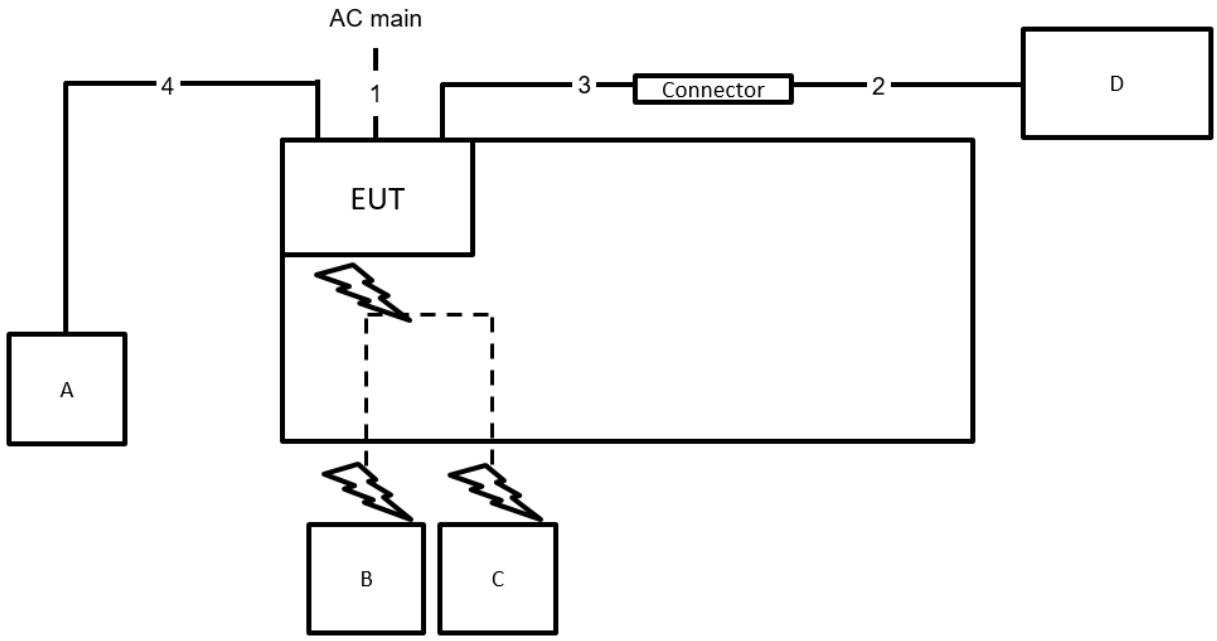
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	2.5G LAN NB	DELL	E4300	N/A
B	2.4G NB	DELL	E4300	N/A
C	5G NB	DELL	E4300	N/A
D	WLAN AP	D-LINK	DIR860L	N/A

For Radiated (above 1GHz) and RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

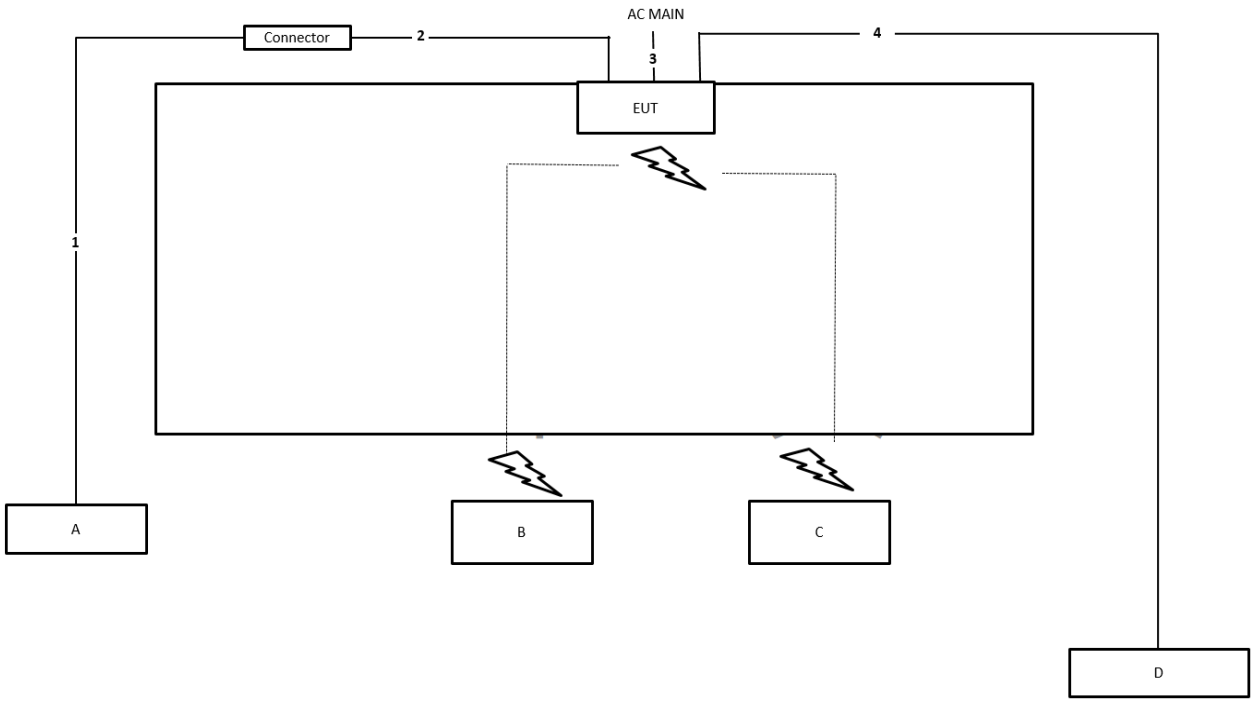
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



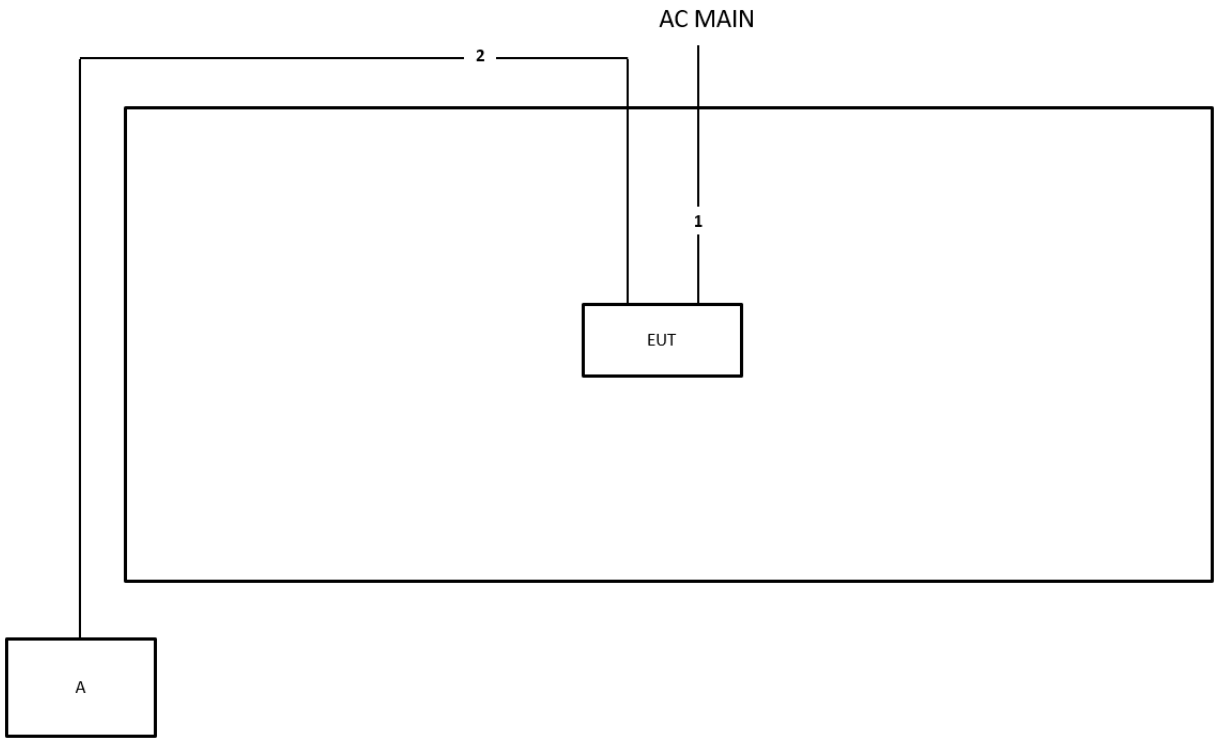
Item	Connection	Shielded	Length
1	Power cable	No	2.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	Power cable	No	2.8m
4	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.8m
2	RJ-45 cable	No	1m

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

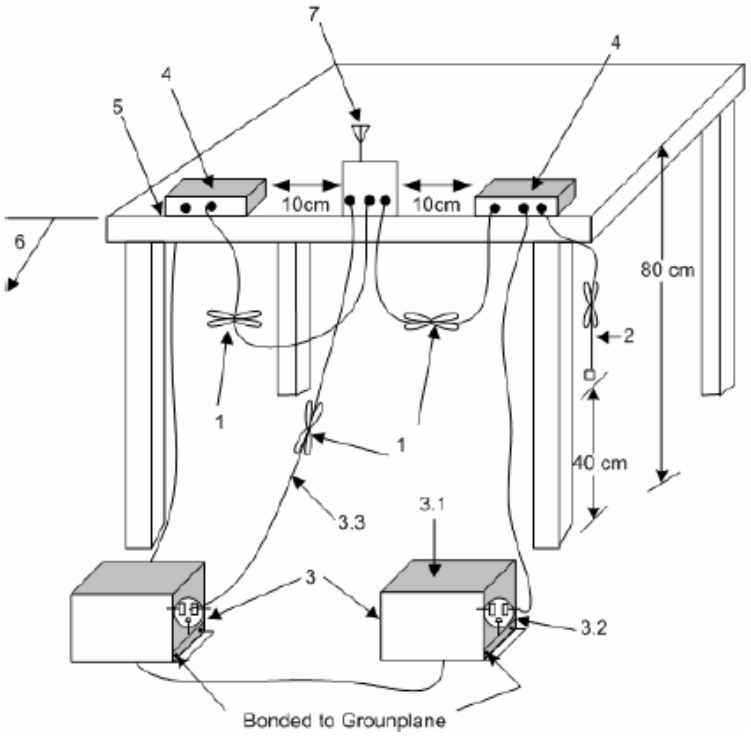
Refer a test equipment and calibration data table in this test report.

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.

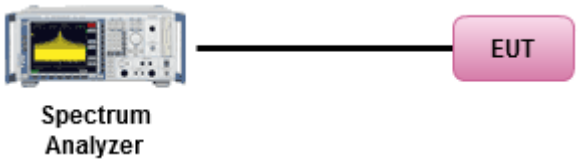
3.2.2 Measuring Instruments

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

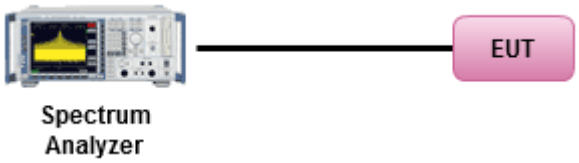
3.4.2 Measuring Instruments

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.	

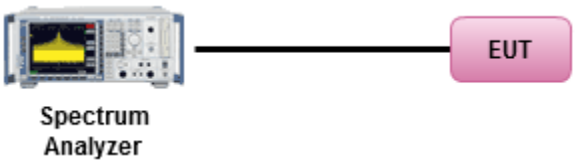
3.5.2 Measuring Instruments

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.

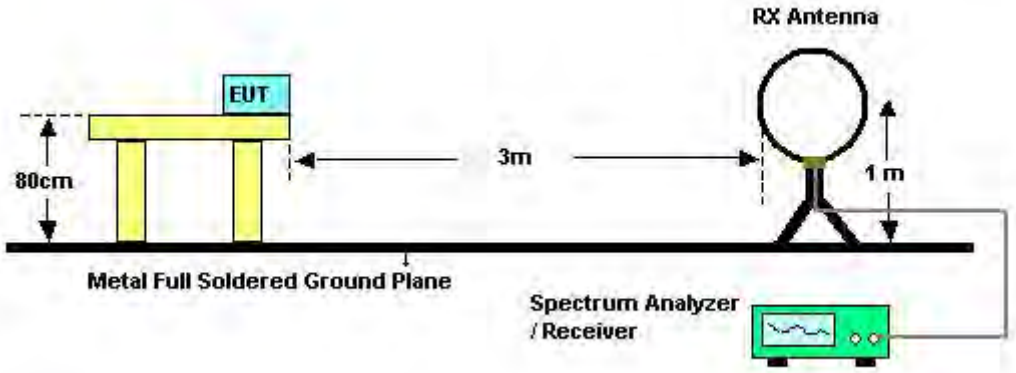
3.6.3 Test Procedures

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.		

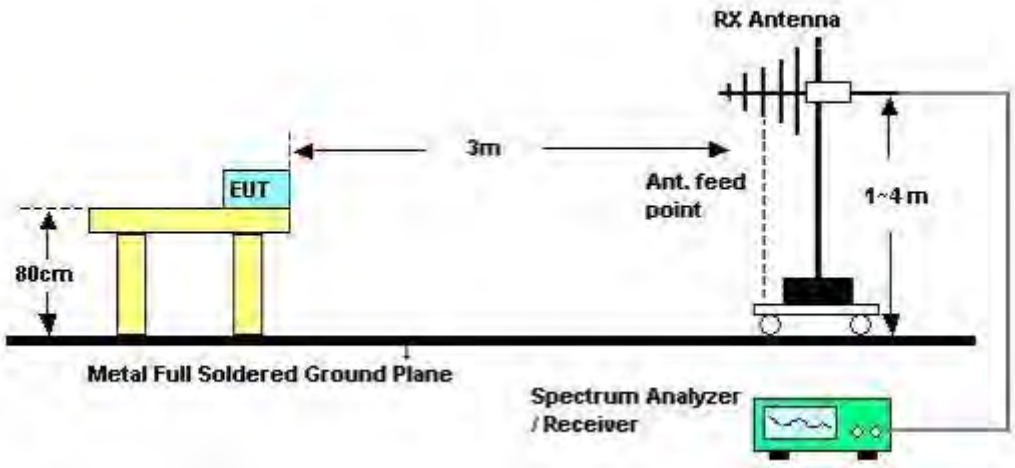
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

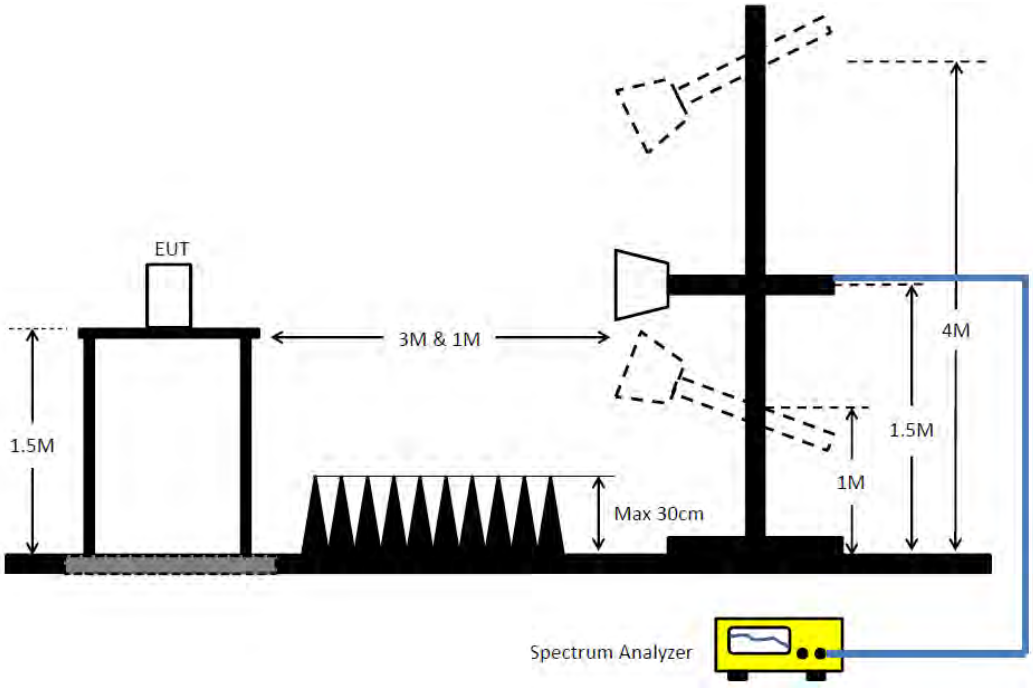
9kHz ~30MHz



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 (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Aug. 16, 2023	Aug. 15, 2024	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 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	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 18, 2023	May 17, 2024	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 29, 2022	Nov. 29, 2023	Radiation (03CH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 29, 2022	Nov. 29, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 14, 2023	Aug. 13, 2024	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)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)

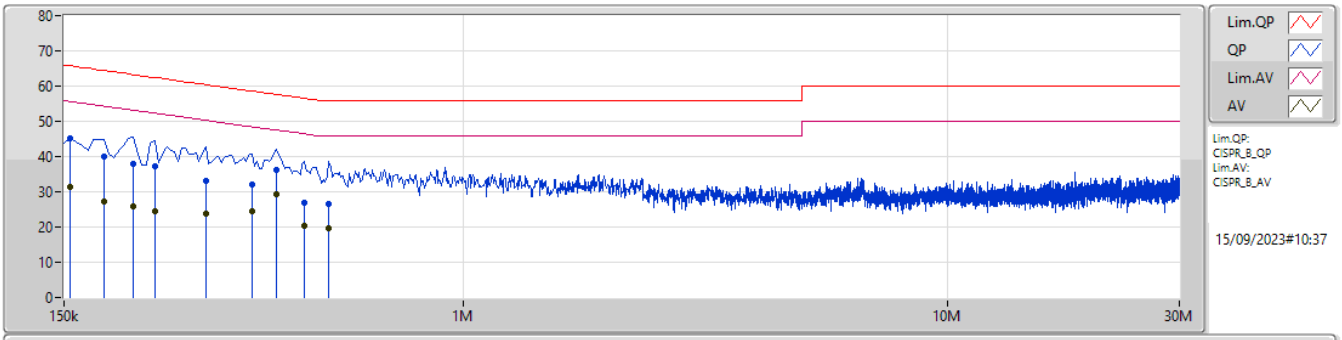
Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.

Summary

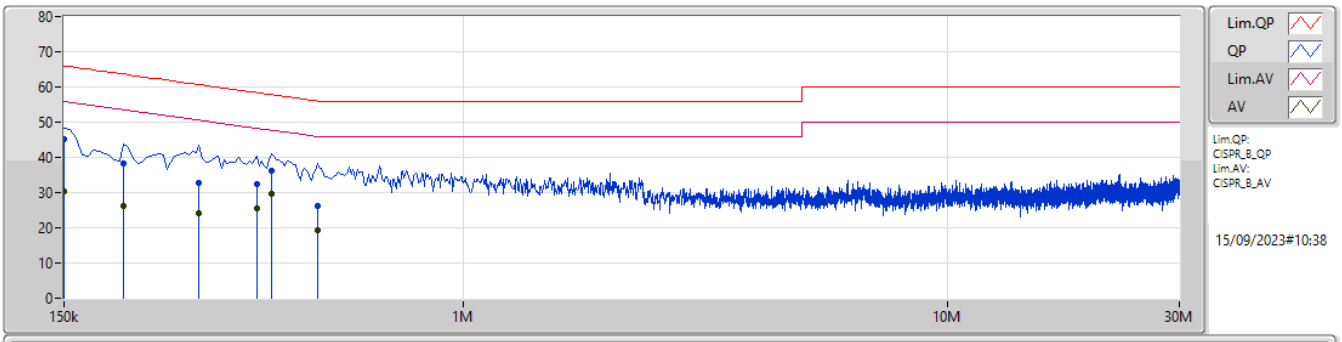
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	402k	29.66	47.82	-18.16	Neutral

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	45.16	65.75	-20.59	10.00	Line	-	35.16	0.09	0.04	9.87
AV	154.5k	31.22	55.75	-24.53	10.00	Line	-	21.22	0.09	0.04	9.87
QP	181.5k	40.16	64.41	-24.25	9.98	Line	-	30.18	0.08	0.04	9.86
AV	181.5k	27.22	54.41	-27.19	9.98	Line	-	17.24	0.08	0.04	9.86
QP	208.5k	37.97	63.27	-25.30	9.98	Line	-	27.99	0.08	0.04	9.86
AV	208.5k	25.70	53.27	-27.57	9.98	Line	-	15.72	0.08	0.04	9.86
QP	231k	37.10	62.41	-25.31	9.99	Line	-	27.11	0.08	0.04	9.87
AV	231k	24.56	52.41	-27.85	9.99	Line	-	14.57	0.08	0.04	9.87
QP	294k	32.99	60.42	-27.43	10.02	Line	-	22.97	0.09	0.05	9.88
AV	294k	23.81	50.42	-26.61	10.02	Line	-	13.79	0.09	0.05	9.88
QP	366k	32.04	58.60	-26.56	10.04	Line	-	22.00	0.09	0.06	9.89
AV	366k	24.57	48.60	-24.03	10.04	Line	-	14.53	0.09	0.06	9.89
QP	411k	36.25	57.63	-21.38	10.05	Line	-	26.20	0.09	0.06	9.90
AV	411k	29.26	47.63	-18.37	10.05	Line	"Worst"	19.21	0.09	0.06	9.90
QP	469.5k	27.01	56.52	-29.51	10.05	Line	-	16.96	0.09	0.06	9.90
AV	469.5k	20.21	46.52	-26.31	10.05	Line	-	10.16	0.09	0.06	9.90
QP	528k	26.72	56.00	-29.28	10.05	Line	-	16.67	0.10	0.05	9.90
AV	528k	19.81	46.00	-26.19	10.05	Line	-	9.76	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	150k	45.31	66.00	-20.69	9.98	Neutral	-	35.33	0.07	0.04	9.87
AV	150k	30.50	56.00	-25.50	9.98	Neutral	-	20.52	0.07	0.04	9.87
QP	199.5k	38.19	63.63	-25.44	9.97	Neutral	-	28.22	0.07	0.04	9.86
AV	199.5k	26.06	53.63	-27.57	9.97	Neutral	-	16.09	0.07	0.04	9.86
QP	285k	32.82	60.67	-27.85	10.00	Neutral	-	22.82	0.07	0.05	9.88
AV	285k	24.08	50.67	-26.59	10.00	Neutral	-	14.08	0.07	0.05	9.88
QP	375k	32.48	58.39	-25.91	10.03	Neutral	-	22.45	0.07	0.06	9.90
AV	375k	25.42	48.39	-22.97	10.03	Neutral	-	15.39	0.07	0.06	9.90
QP	402k	36.15	57.82	-21.67	10.03	Neutral	-	26.12	0.07	0.06	9.90
AV	402k	29.66	47.82	-18.16	10.03	Neutral	"Worst"	19.63	0.07	0.06	9.90
QP	500k	26.04	56.00	-29.96	10.03	Neutral	-	16.01	0.07	0.06	9.90
AV	500k	19.21	46.00	-26.79	10.03	Neutral	-	9.18	0.07	0.06	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	8.525M	13.722M	13M7G1D	7.05M	13.012M
802.11g_Nss1,(6Mbps)_2TX	15.075M	16.771M	16M8D1D	14.975M	16.198M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.85M	19.038M	19M0D1D	13.75M	18.775M
802.11ax HEW40_Nss1,(MCS0)_2TX	33M	37.573M	37M6D1D	27.55M	37.506M

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

Result

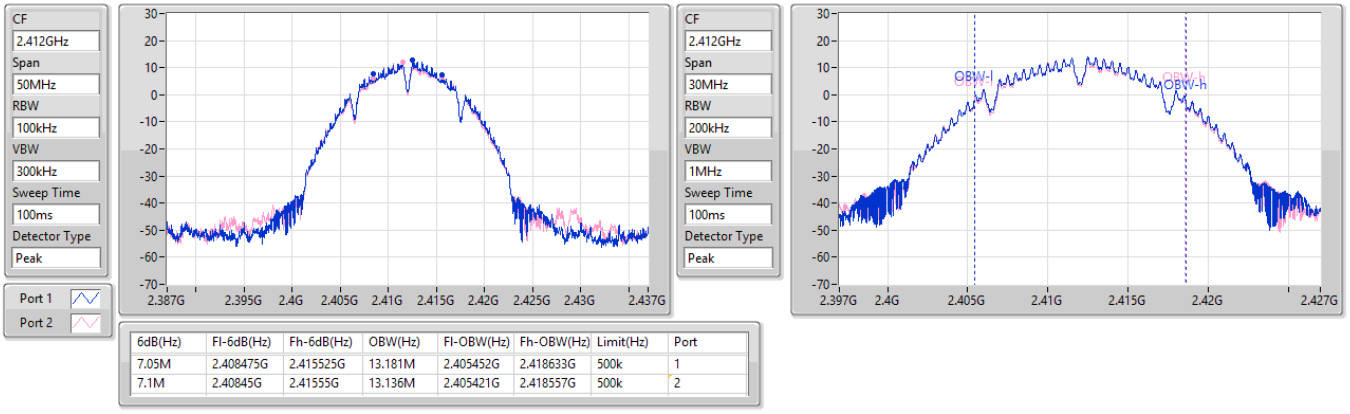
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.05M	13.181M	7.1M	13.136M
2437MHz	Pass	500k	7.05M	13.722M	8M	13.263M
2462MHz	Pass	500k	8.525M	13.086M	8.525M	13.012M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	14.975M	16.198M	15.025M	16.24M
2437MHz	Pass	500k	15.075M	16.771M	15.05M	16.454M
2462MHz	Pass	500k	15.05M	16.207M	15.05M	16.244M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.85M	18.851M	18.45M	18.84M
2437MHz	Pass	500k	18.85M	19.038M	13.75M	18.967M
2462MHz	Pass	500k	15M	18.775M	15M	18.799M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	33M	37.506M	30.9M	37.552M
2437MHz	Pass	500k	28.75M	37.573M	30.05M	37.511M
2452MHz	Pass	500k	31.3M	37.551M	27.55M	37.521M

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

18/09/2023

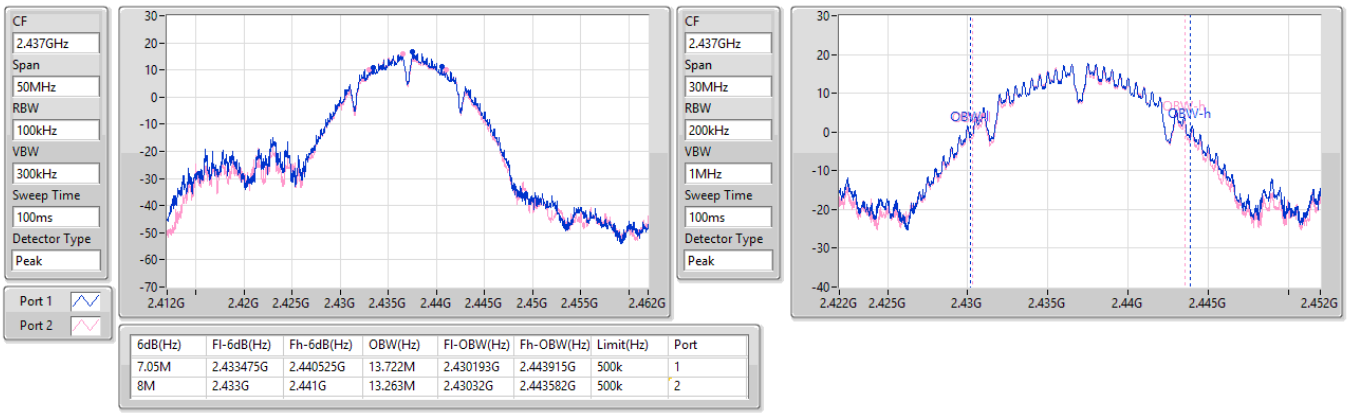


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.408475G	2.415525G	13.181M	2.405452G	2.418633G	500k	1
7.1M	2.40845G	2.41555G	13.136M	2.405421G	2.418557G	500k	2

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

2437MHz

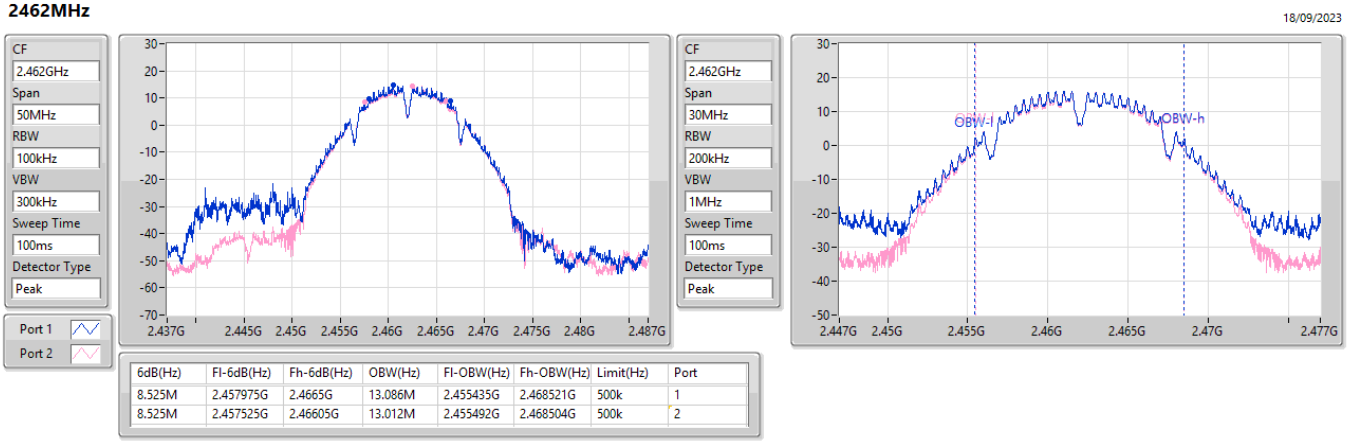
18/09/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.433475G	2.440525G	13.722M	2.430193G	2.443915G	500k	1
8M	2.433G	2.441G	13.263M	2.43032G	2.443582G	500k	2

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

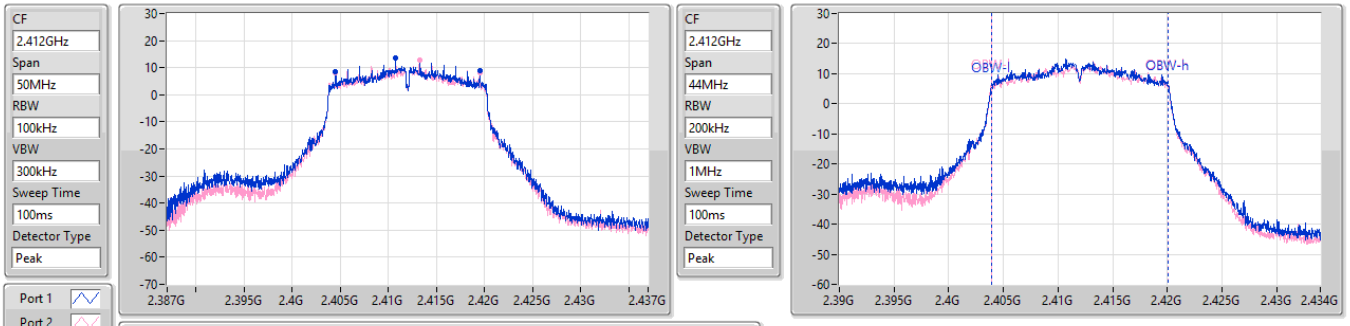
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.525M	2.457975G	2.4665G	13.086M	2.455435G	2.468521G	500k	1
8.525M	2.457525G	2.46605G	13.012M	2.455492G	2.468504G	500k	2

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

2412MHz

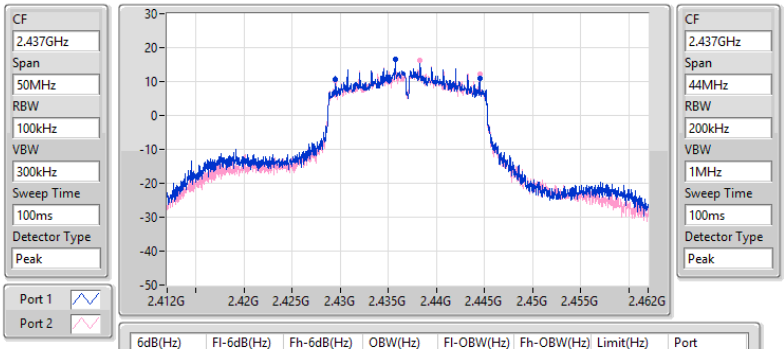


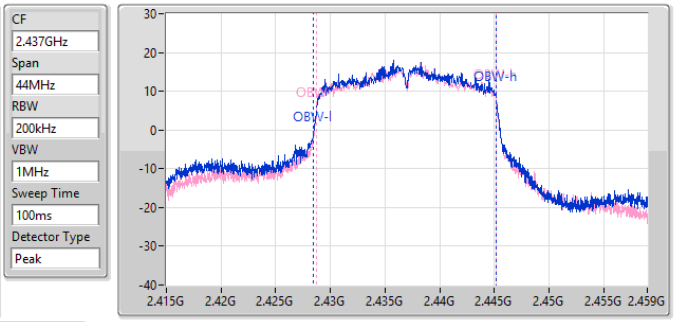
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	2.404525G	2.4195G	16.198M	2.403915G	2.420112G	500k	1
15.025M	2.4045G	2.419525G	16.24M	2.40388G	2.42012G	500k	2

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

2437MHz

18/09/2023



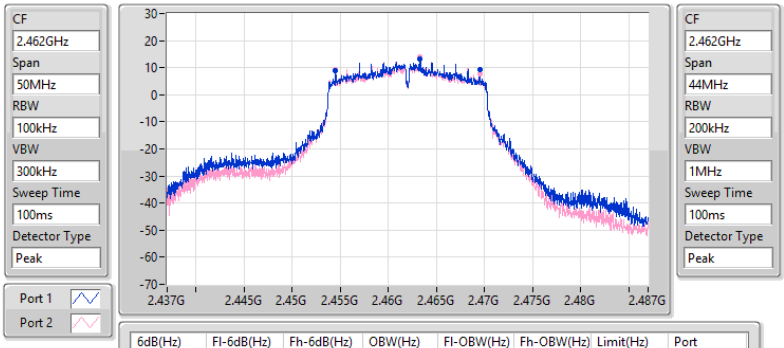


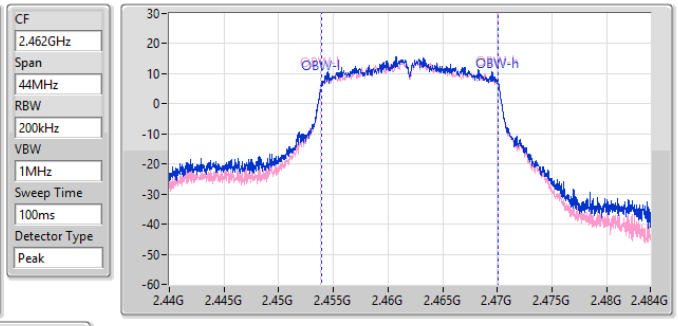
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.429475G	2.44455G	16.771M	2.428395G	2.445166G	500k	1
15.05M	2.429475G	2.444525G	16.454M	2.428711G	2.445165G	500k	2

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

2462MHz

18/09/2023



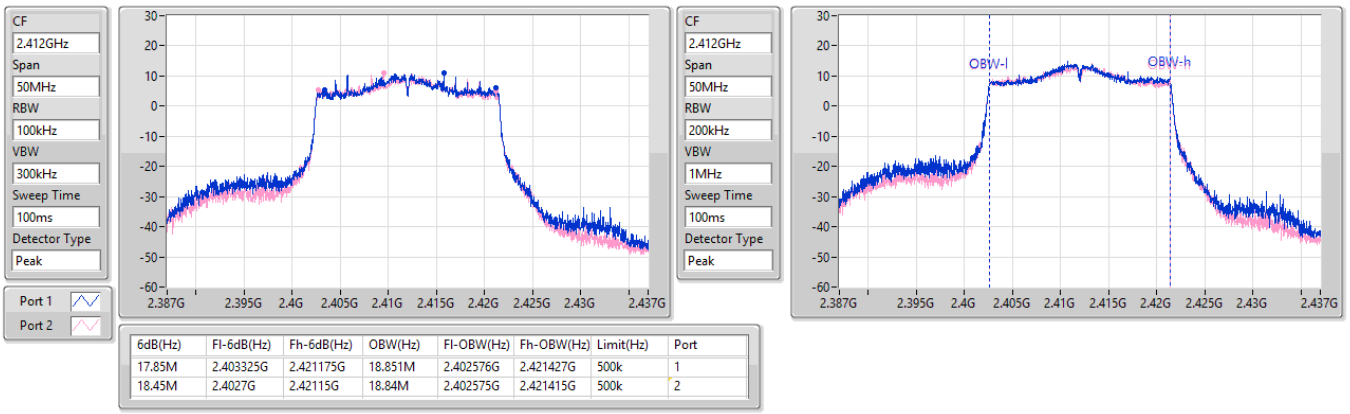


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.454475G	2.469525G	16.207M	2.453888G	2.470095G	500k	1
15.05M	2.4545G	2.46955G	16.244M	2.453874G	2.470119G	500k	2

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

2412MHz

18/09/2023

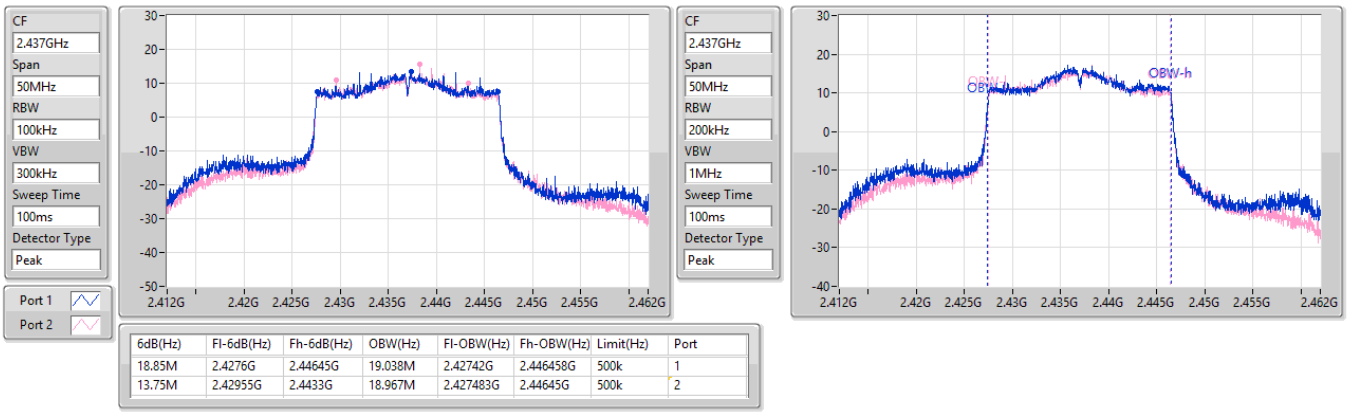


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.85M	2.403325G	2.421175G	18.851M	2.402576G	2.421427G	500k	1
18.45M	2.4027G	2.42115G	18.84M	2.402575G	2.421415G	500k	2

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

2437MHz

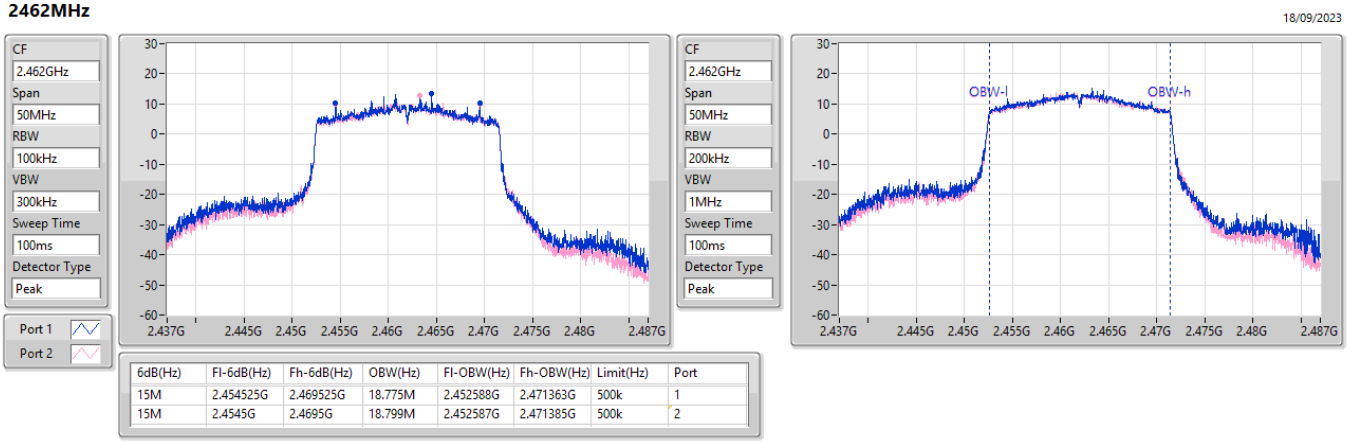
18/09/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.85M	2.4276G	2.44645G	19.038M	2.42742G	2.446458G	500k	1
13.75M	2.42955G	2.4433G	18.967M	2.427483G	2.44645G	500k	2

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

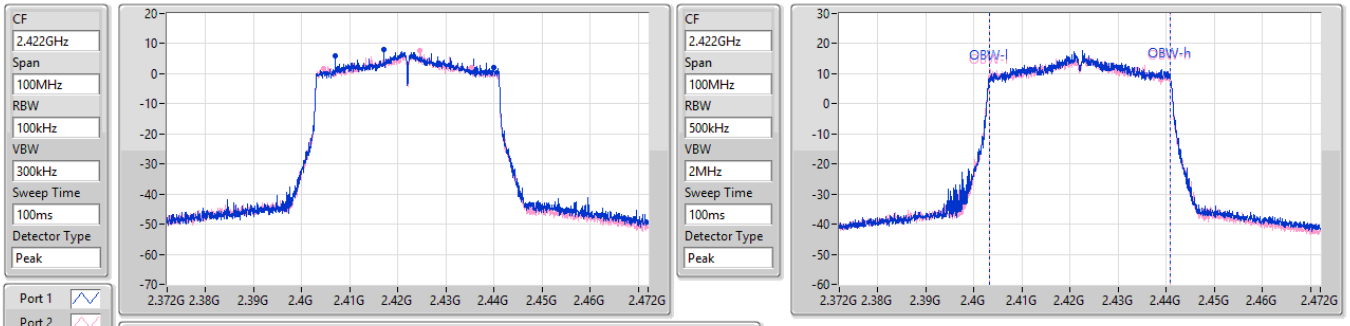
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.454525G	2.469525G	18.775M	2.452588G	2.471363G	500k	1
15M	2.4545G	2.4695G	18.799M	2.452587G	2.471385G	500k	2

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

2422MHz

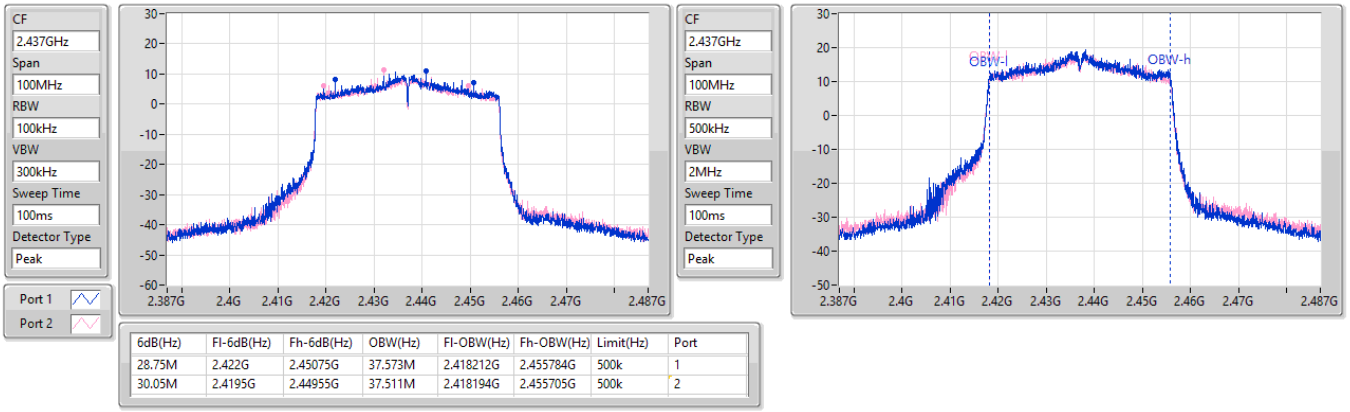


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33M	2.407G	2.44G	37.506M	2.403275G	2.440782G	500k	1
30.9M	2.40445G	2.43535G	37.552M	2.403201G	2.440753G	500k	2

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

2437MHz

18/09/2023

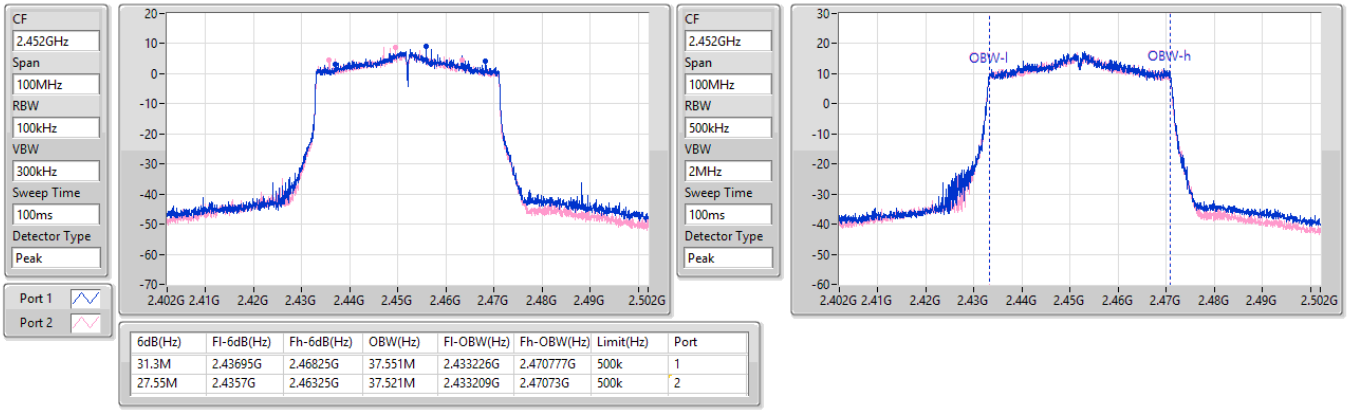


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.75M	2.422G	2.45075G	37.573M	2.418212G	2.455784G	500k	1
30.05M	2.4195G	2.44955G	37.511M	2.418194G	2.455705G	500k	2

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

2452MHz

18/09/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.3M	2.43695G	2.46825G	37.551M	2.433226G	2.470777G	500k	1
27.55M	2.4357G	2.46325G	37.521M	2.433209G	2.47073G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	27.28	0.53456
802.11g_Nss1,(6Mbps)_2TX	28.57	0.71945
802.11ax HEW20_Nss1,(MCS0)_2TX	27.80	0.60256
802.11ax HEW40_Nss1,(MCS0)_2TX	26.78	0.47643

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.30	20.41	20.12	23.28	30.00
2417MHz	Pass	4.30	23.04	22.64	25.85	30.00
2437MHz	Pass	4.30	24.44	24.10	27.28	30.00
2462MHz	Pass	4.30	23.67	23.32	26.51	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.30	22.24	21.87	25.07	30.00
2417MHz	Pass	4.30	23.84	23.67	26.77	30.00
2437MHz	Pass	4.30	25.80	25.30	28.57	30.00
2462MHz	Pass	4.30	23.42	22.96	26.21	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.30	22.01	21.61	24.82	30.00
2417MHz	Pass	4.30	23.05	22.58	25.83	30.00
2437MHz	Pass	4.30	25.07	24.50	27.80	30.00
2462MHz	Pass	4.30	22.63	22.36	25.51	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.30	21.41	21.06	24.25	30.00
2437MHz	Pass	4.30	23.96	23.57	26.78	30.00
2452MHz	Pass	4.30	22.00	21.60	24.81	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	3.73
802.11g_Nss1,(6Mbps)_2TX	2.21
802.11ax HEW20_Nss1,(MCS0)_2TX	1.72
802.11ax HEW40_Nss1,(MCS0)_2TX	-1.92

RBW = 3kHz;

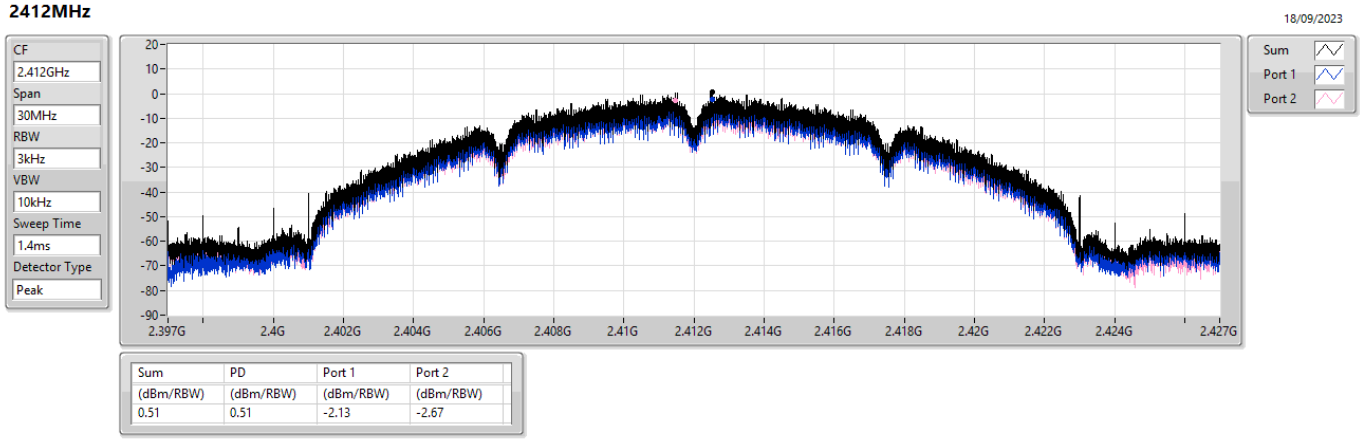
Result

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	7.31	-2.13	-2.67	0.51	6.69
2437MHz	Pass	7.31	1.64	0.56	3.73	6.69
2462MHz	Pass	7.31	-0.82	-0.80	2.10	6.69
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.31	-4.38	-3.29	-1.92	6.69
2437MHz	Pass	7.31	0.57	-0.33	2.21	6.69
2462MHz	Pass	7.31	-1.25	-3.56	-0.17	6.69
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.31	-3.21	-3.60	-0.85	6.69
2437MHz	Pass	7.31	0.30	-0.00	1.72	6.69
2462MHz	Pass	7.31	-3.52	-3.99	-1.24	6.69
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.31	-6.91	-6.20	-3.95	6.69
2437MHz	Pass	7.31	-3.81	-4.55	-1.92	6.69
2452MHz	Pass	7.31	-4.67	-6.28	-3.90	6.69

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

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

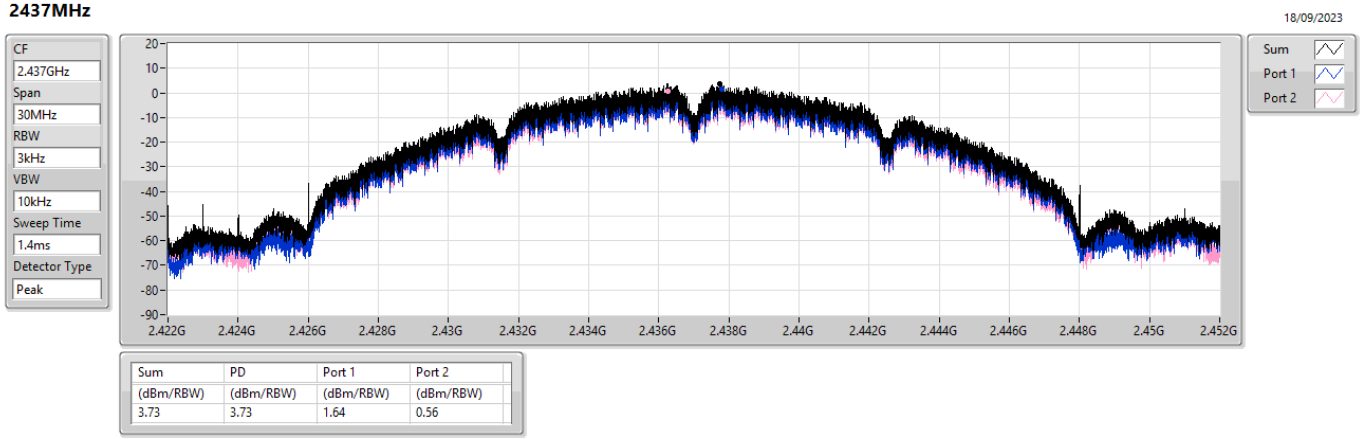
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.51	0.51	-2.13	-2.67

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

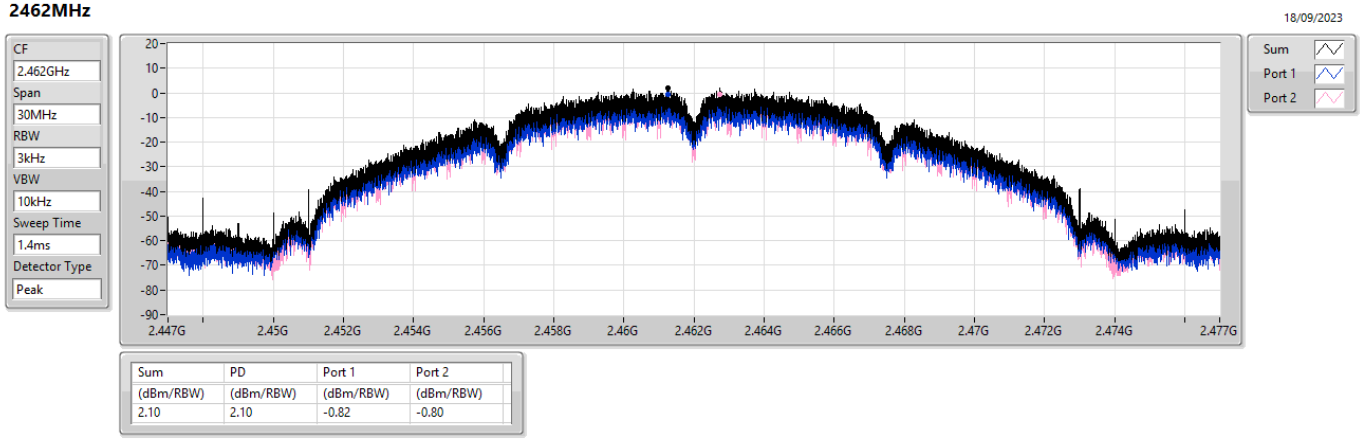
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.73	3.73	1.64	0.56

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

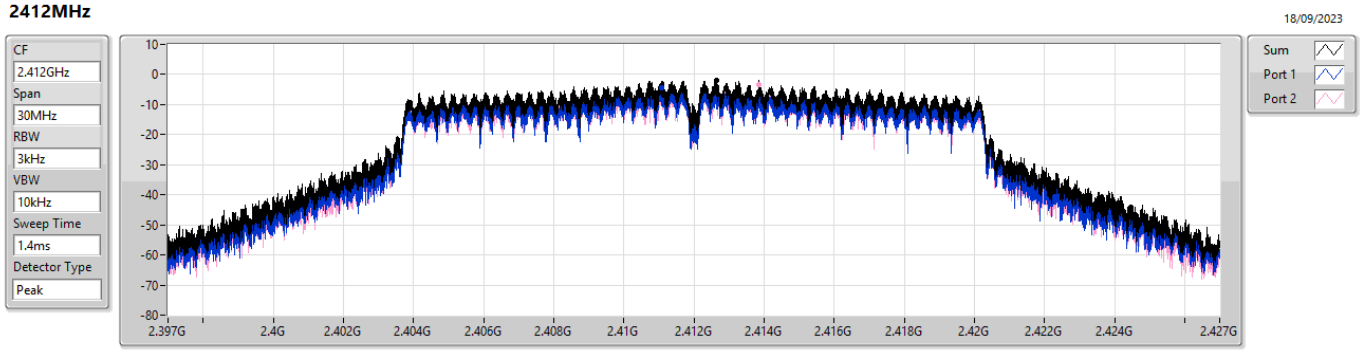
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.10	2.10	-0.82	-0.80

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

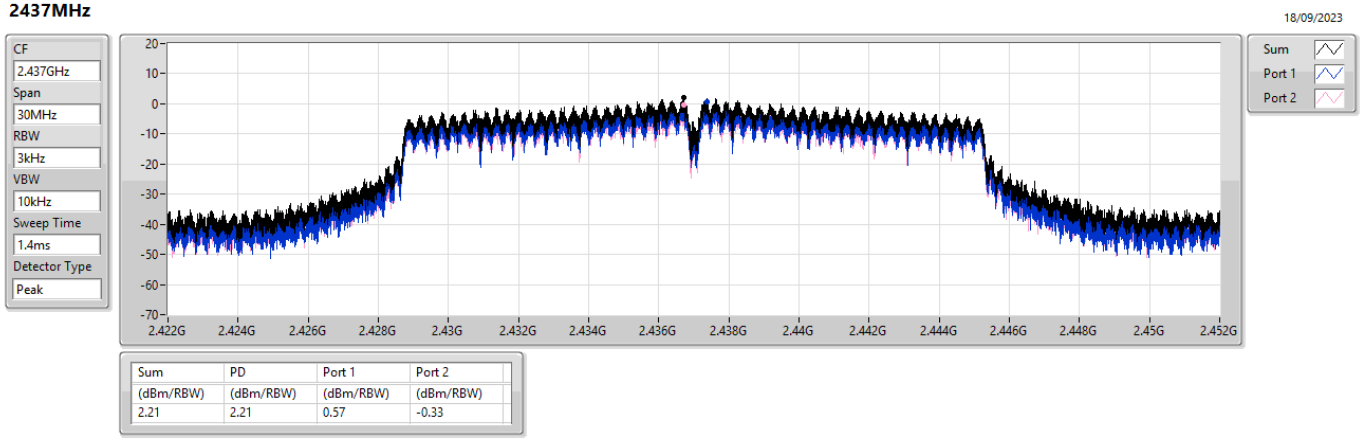
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.92	-1.92	-4.38	-3.29

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

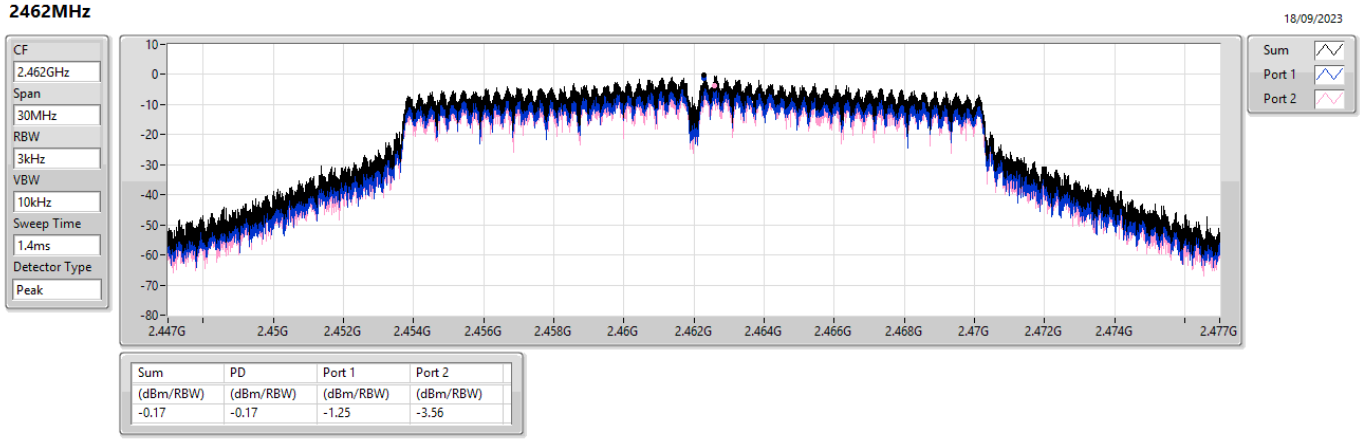
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.21	2.21	0.57	-0.33

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

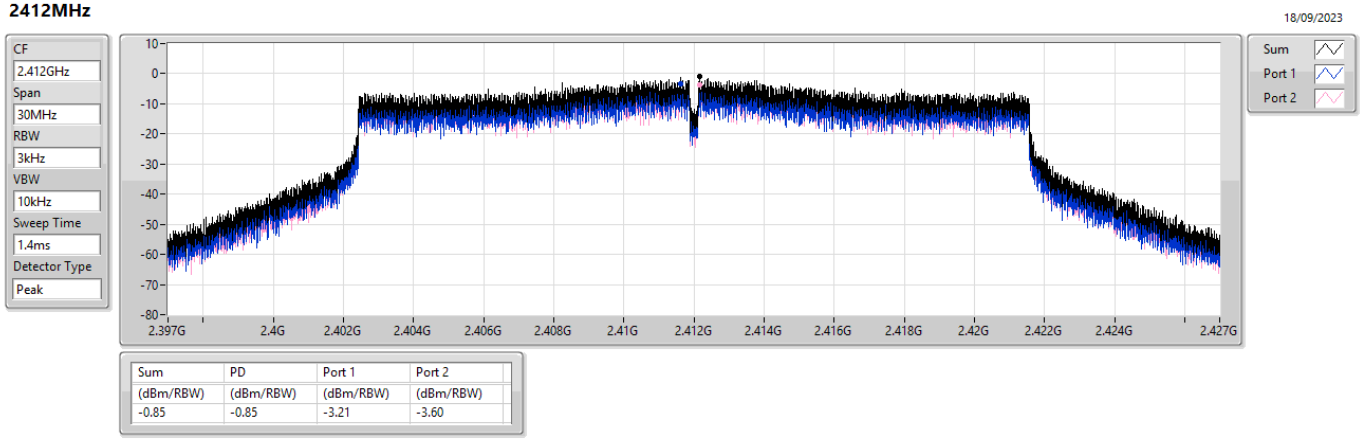
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.17	-0.17	-1.25	-3.56

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

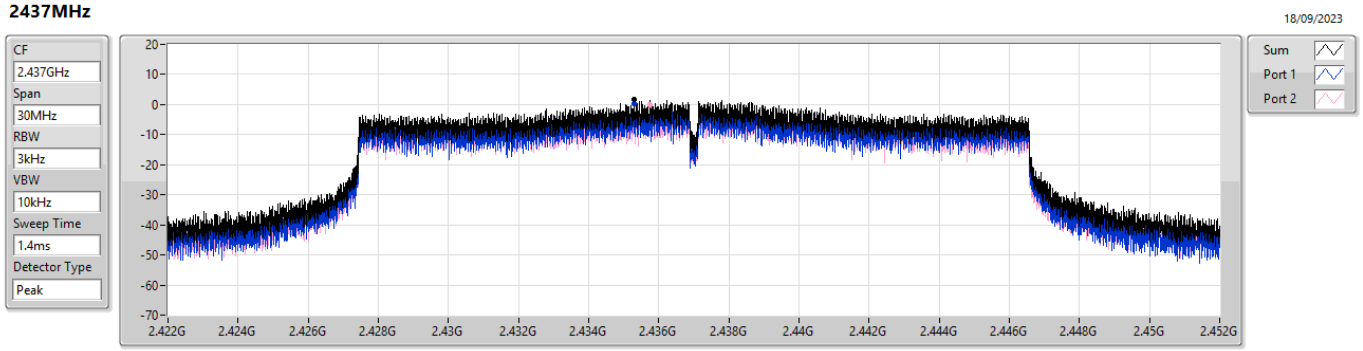
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.85	-0.85	-3.21	-3.60

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

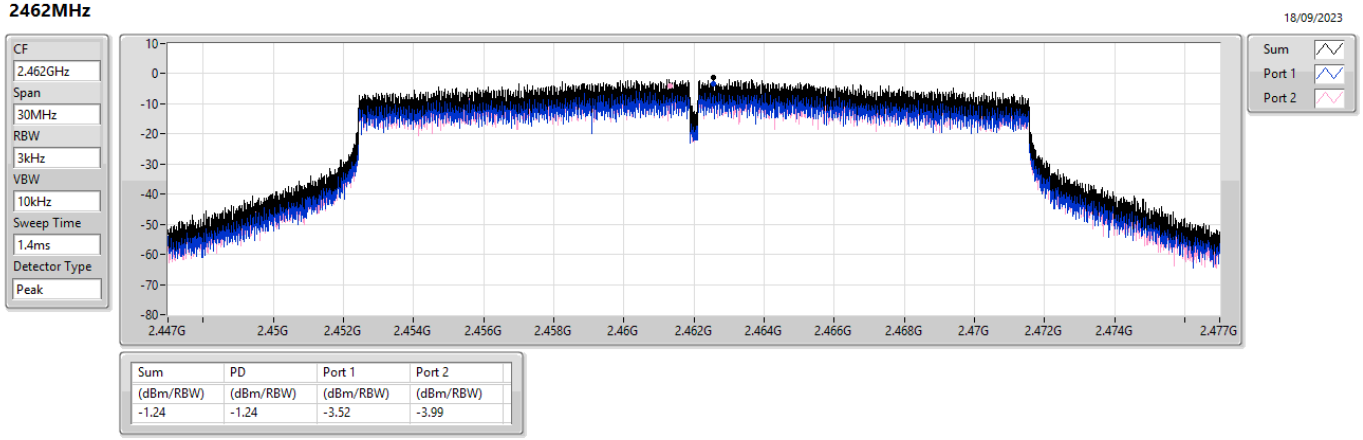
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.72	1.72	0.30	-0.00

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

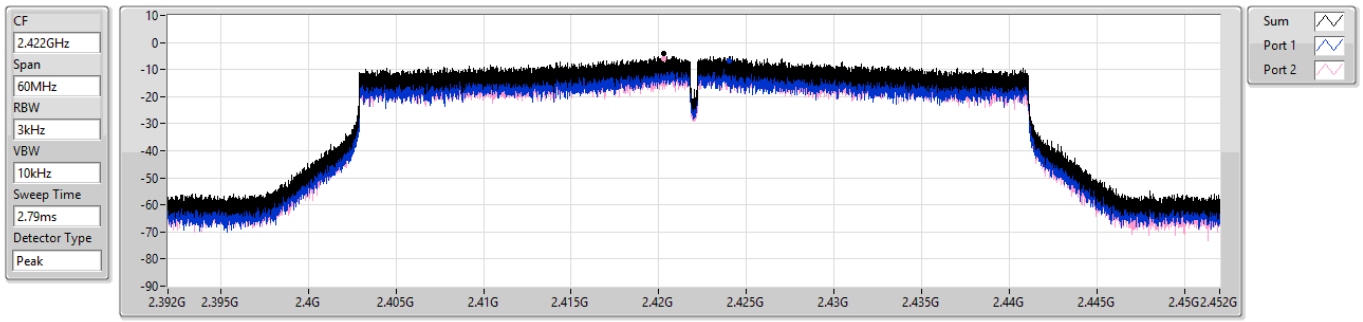
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.24	-1.24	-3.52	-3.99

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

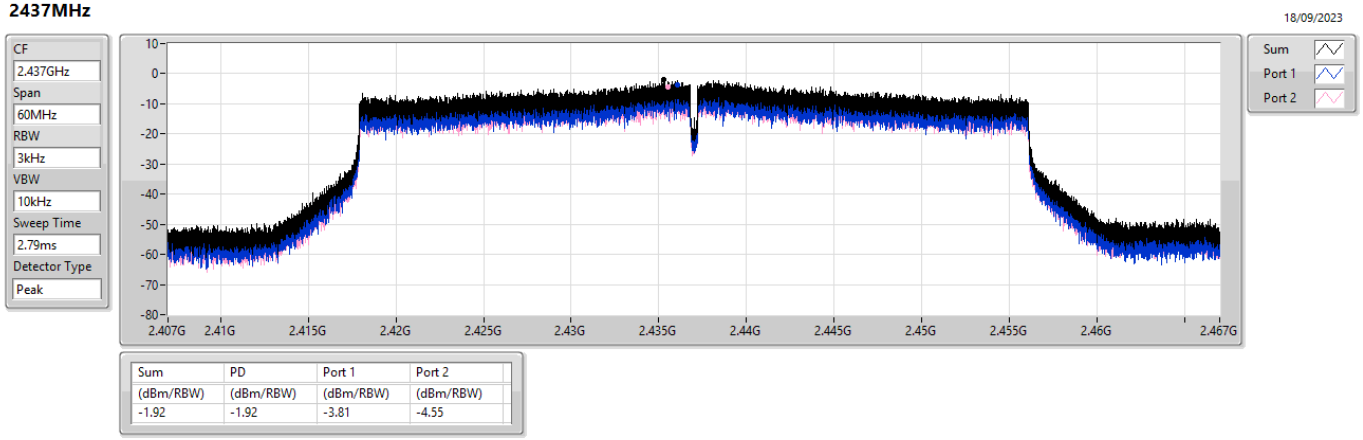
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.95	-3.95	-6.91	-6.20

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

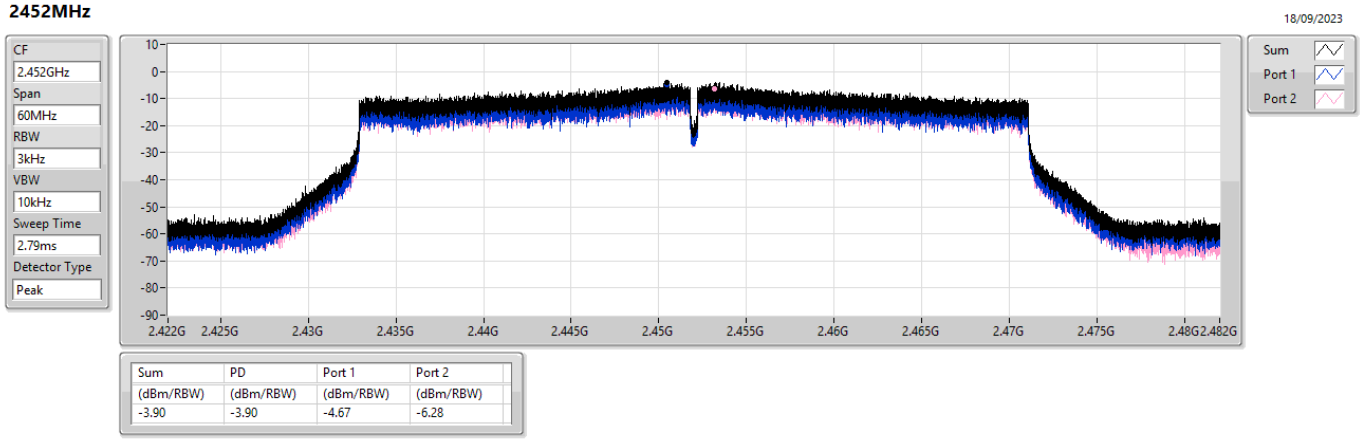
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.92	-1.92	-3.81	-4.55

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)
-3.90	-3.90	-4.67	-6.28

Summary

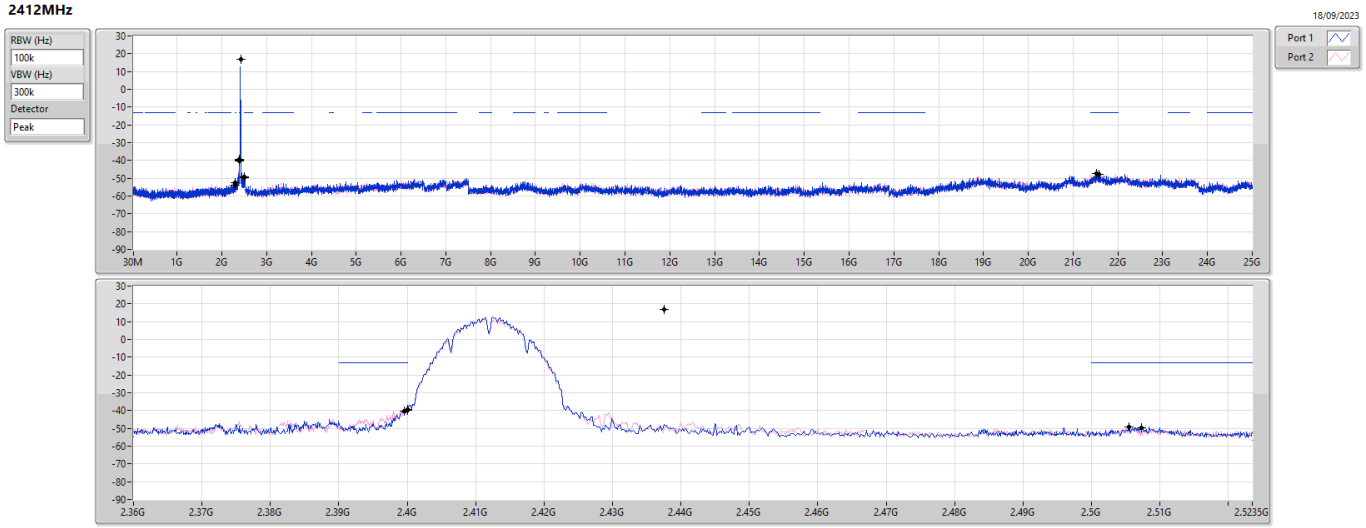
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43758G	16.80	-13.20	2.30408G	-54.13	2.4G	-39.25	2.4G	-40.05	2.5055G	-49.29	21.52738G	-47.17	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	17.27	-12.73	2.30991G	-53.53	2.39984G	-26.63	2.4G	-26.07	2.50774G	-49.00	21.65943G	-47.45	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43574G	15.91	-14.09	2.30991G	-53.55	2.4G	-26.20	2.4G	-25.89	2.5067G	-49.13	21.67067G	-47.19	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.44075G	11.87	-18.13	2.30054G	-52.00	2.39984G	-31.56	2.4G	-29.77	2.51134G	-48.13	21.49991G	-47.32	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43758G	16.80	-13.20	2.30408G	-54.13	2.4G	-39.25	2.4G	-40.05	2.5055G	-49.29	21.52738G	-47.17	1
2412MHz	Pass	2.43758G	16.80	-13.20	2.30758G	-52.71	2.3996G	-40.15	2.4G	-39.63	2.50726G	-49.86	21.58638G	-47.92	2
2437MHz	Pass	2.43758G	16.80	-13.20	2.17477G	-53.09	2.39752G	-41.03	2.4G	-46.44	2.51566G	-48.86	21.58919G	-48.35	1
2437MHz	Pass	2.43758G	16.80	-13.20	1.9441G	-53.33	2.39928G	-45.00	2.4G	-48.60	2.5011G	-48.83	21.58076G	-48.49	2
2462MHz	Pass	2.43758G	16.80	-13.20	2.30408G	-52.47	2.4G	-47.47	2.4G	-48.20	2.5003G	-48.16	21.74091G	-47.93	1
2462MHz	Pass	2.43758G	16.80	-13.20	2.17593G	-52.61	2.4G	-48.30	2.4G	-50.33	2.50998G	-47.23	21.66224G	-47.72	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	17.27	-12.73	2.30991G	-53.53	2.39984G	-26.63	2.4G	-26.07	2.50774G	-49.00	21.65943G	-47.45	1
2412MHz	Pass	2.43574G	17.27	-12.73	2.30525G	-53.14	2.4G	-28.65	2.4G	-27.86	2.50758G	-49.59	21.56391G	-47.72	2
2437MHz	Pass	2.43574G	17.27	-12.73	2.30874G	-50.98	2.39792G	-29.99	2.4G	-32.06	2.50046G	-43.42	21.61167G	-48.15	1
2437MHz	Pass	2.43574G	17.27	-12.73	2.30874G	-52.62	2.3976G	-32.48	2.4G	-34.01	2.50038G	-42.91	21.56952G	-47.56	2
2462MHz	Pass	2.43574G	17.27	-12.73	2.14914G	-53.43	2.4G	-47.59	2.4G	-48.25	2.50558G	-46.60	21.55829G	-47.62	1
2462MHz	Pass	2.43574G	17.27	-12.73	2.30175G	-53.29	2.39712G	-48.30	2.4G	-50.26	2.50174G	-46.37	21.55267G	-48.24	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	15.91	-14.09	2.30991G	-53.55	2.4G	-26.20	2.4G	-25.89	2.5067G	-49.13	21.67067G	-47.19	1
2412MHz	Pass	2.43574G	15.91	-14.09	2.30758G	-51.72	2.39976G	-26.72	2.4G	-26.21	2.5087G	-49.54	21.56952G	-47.58	2
2437MHz	Pass	2.43574G	15.91	-14.09	2.30525G	-53.37	2.39912G	-32.94	2.4G	-35.49	2.50006G	-44.75	21.61448G	-48.13	1
2437MHz	Pass	2.43574G	15.91	-14.09	2.30874G	-52.62	2.3996G	-33.80	2.4G	-36.42	2.50318G	-45.04	21.52176G	-47.11	2
2462MHz	Pass	2.43574G	15.91	-14.09	2.30641G	-52.71	2.4G	-47.76	2.4G	-48.61	2.5015G	-46.59	21.46276G	-48.09	1
2462MHz	Pass	2.43574G	15.91	-14.09	2.15962G	-52.39	2.39976G	-48.58	2.4G	-49.50	2.50758G	-47.30	21.60324G	-47.21	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	11.87	-18.13	2.30054G	-52.00	2.39984G	-31.56	2.4G	-29.77	2.51134G	-48.13	21.49991G	-47.32	1
2422MHz	Pass	2.44075G	11.87	-18.13	2.30855G	-51.17	2.4G	-32.73	2.4G	-32.07	2.51998G	-48.36	21.97949G	-47.49	2
2437MHz	Pass	2.44075G	11.87	-18.13	2.30855G	-51.83	2.3984G	-38.55	2.4G	-39.86	2.50126G	-45.57	21.53076G	-47.71	1
2437MHz	Pass	2.44075G	11.87	-18.13	2.3097G	-50.43	2.4G	-37.81	2.4G	-39.37	2.5019G	-41.84	21.58404G	-47.74	2
2452MHz	Pass	2.44075G	11.87	-18.13	2.30626G	-51.80	2.39456G	-42.42	2.4G	-44.43	2.50446G	-41.59	21.54197G	-48.05	1
2452MHz	Pass	2.44075G	11.87	-18.13	2.30054G	-52.90	2.39712G	-45.45	2.4G	-46.93	2.50702G	-47.88	21.94864G	-47.98	2

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

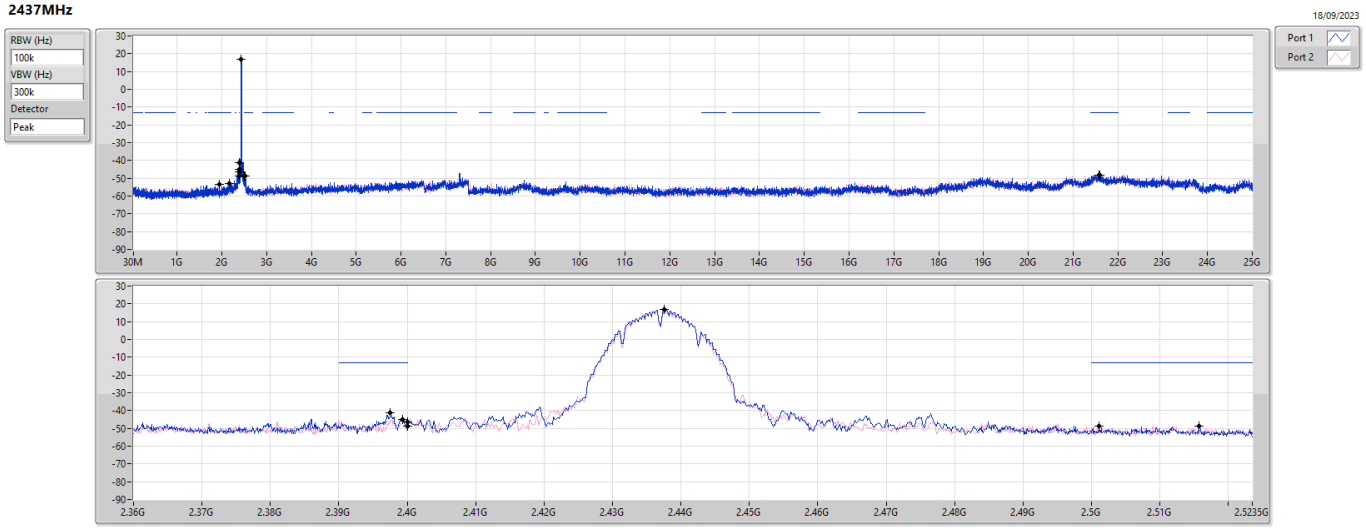
2412MHz



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
2.43758G	16.80	-13.20	2.30408G	-54.13	2.4G	-39.25	2.4G	-40.05	2.5055G	-49.29	21.52738G	-47.17	1
2.43758G	16.80	-13.20	2.30758G	-52.71	2.3996G	-40.15	2.4G	-39.63	2.50726G	-49.86	21.58638G	-47.92	2

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

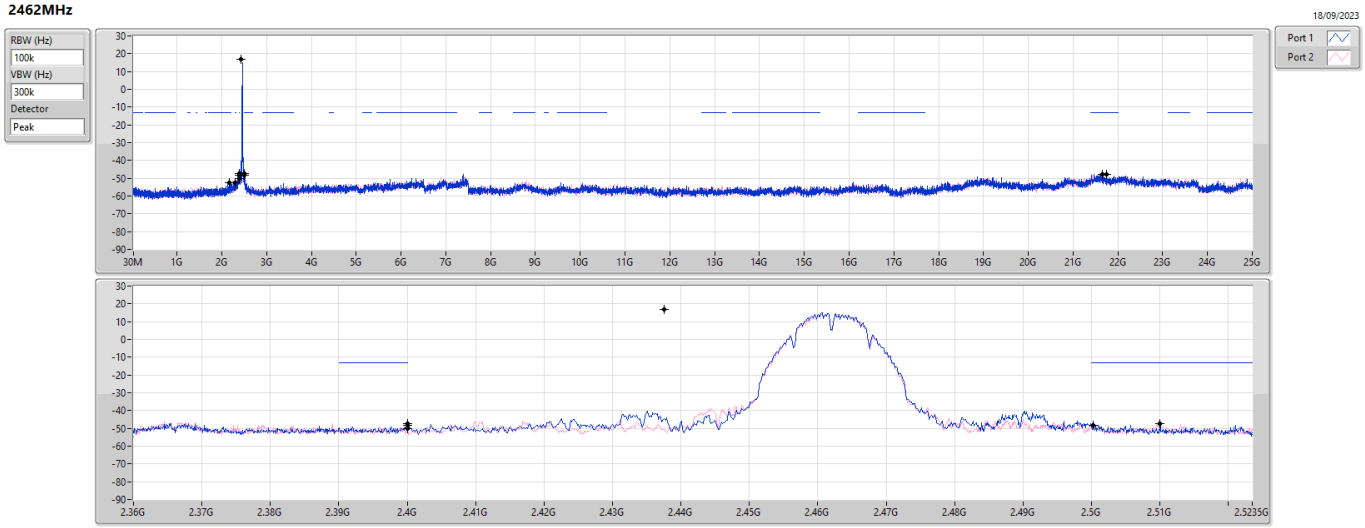
2437MHz



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
2.43758G	16.80	-13.20	2.17477G	-53.09	2.39752G	-41.03	2.4G	-46.44	2.51566G	-48.86	21.58919G	-48.35	1
2.43758G	16.80	-13.20	1.9441G	-53.33	2.39928G	-45.00	2.4G	-48.60	2.5011G	-48.83	21.58076G	-48.49	2

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

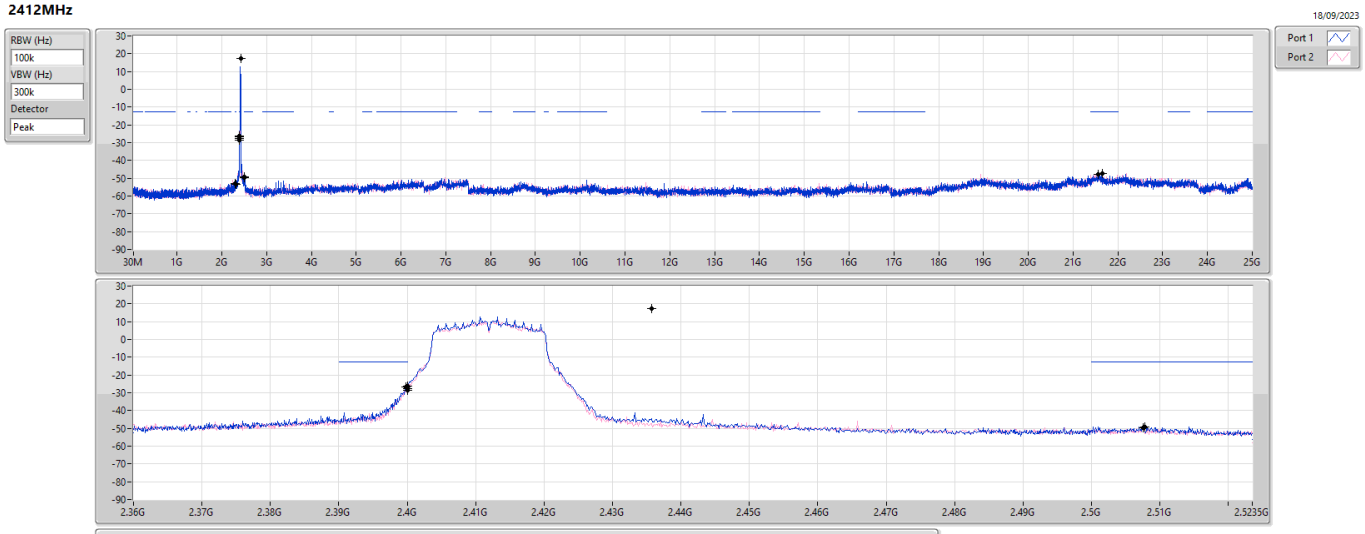
2462MHz



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
2.43758G	16.80	-13.20	2.30408G	-52.47	2.4G	-47.47	2.4G	-48.20	2.5003G	-48.16	21.74091G	-47.93	1
2.43758G	16.80	-13.20	2.17593G	-52.61	2.4G	-48.30	2.4G	-50.33	2.50998G	-47.23	21.66224G	-47.72	2

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

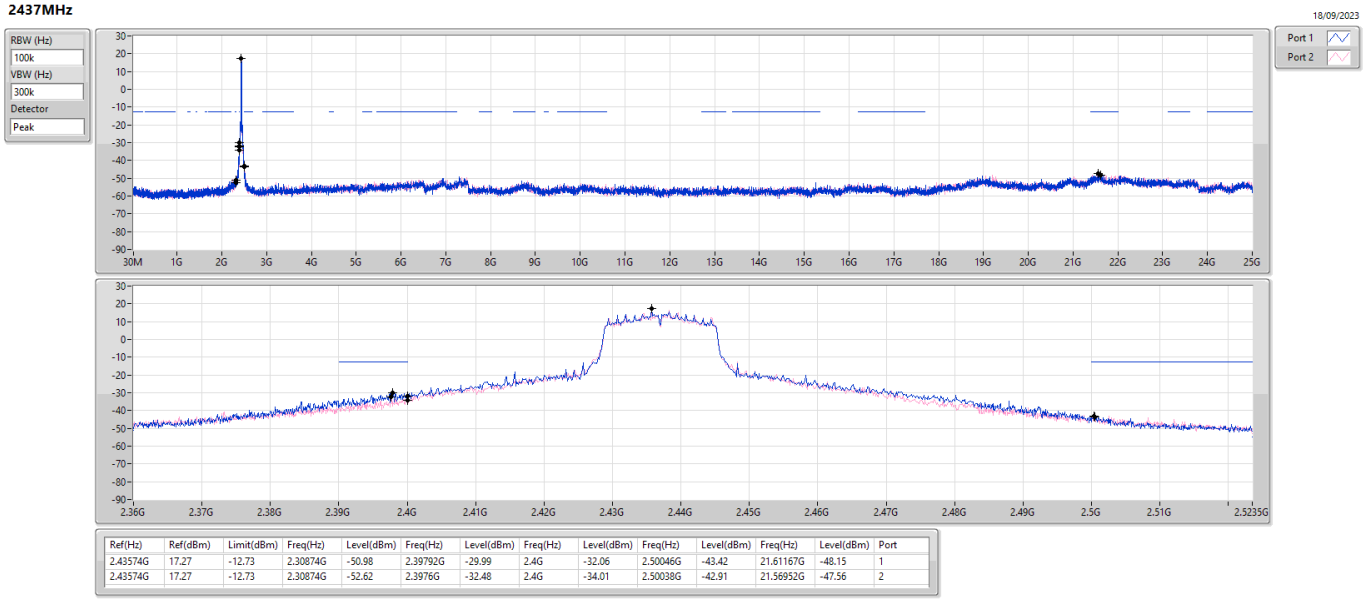
2412MHz



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	17.27	-12.73	2.30991G	-53.53	2.39984G	-26.63	2.4G	-26.07	2.50774G	-49.00	21.65943G	-47.45	1
2.43574G	17.27	-12.73	2.30525G	-53.14	2.4G	-28.65	2.4G	-27.86	2.50758G	-49.59	21.56391G	-47.72	2

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

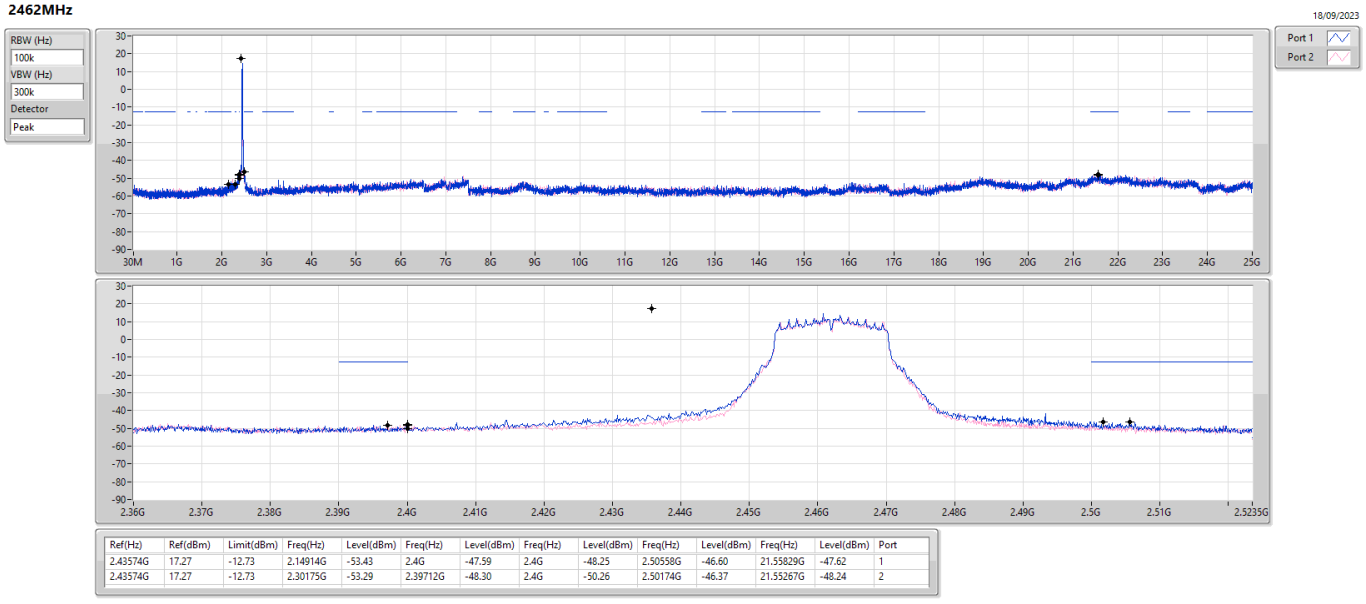
2437MHz



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	17.27	-12.73	2.30874G	-50.98	2.39792G	-29.99	2.4G	-32.06	2.50046G	-43.42	21.61167G	-48.15	1
2.43574G	17.27	-12.73	2.30874G	-52.62	2.3976G	-32.48	2.4G	-34.01	2.50038G	-42.91	21.56952G	-47.56	2

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

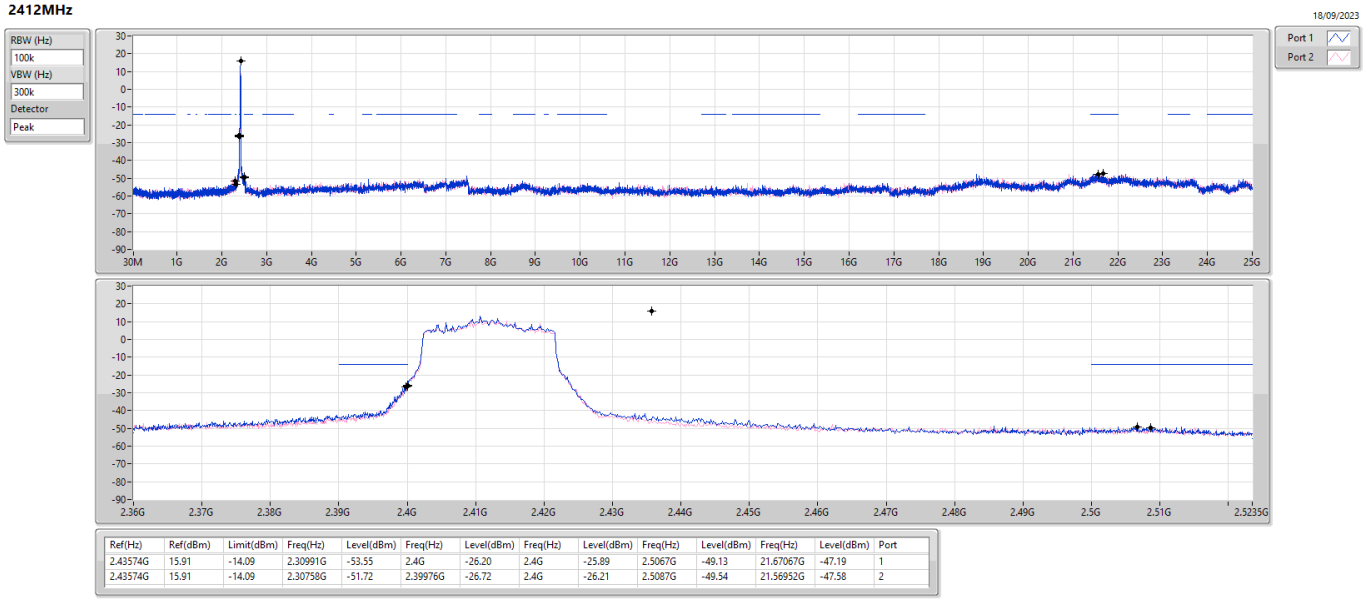
2462MHz



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	17.27	-12.73	2.14914G	-53.43	2.4G	-47.59	2.4G	-48.25	2.50558G	-46.60	21.55829G	-47.62	1
2.43574G	17.27	-12.73	2.30175G	-53.29	2.39712G	-48.30	2.4G	-50.26	2.50174G	-46.37	21.55267G	-48.24	2

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

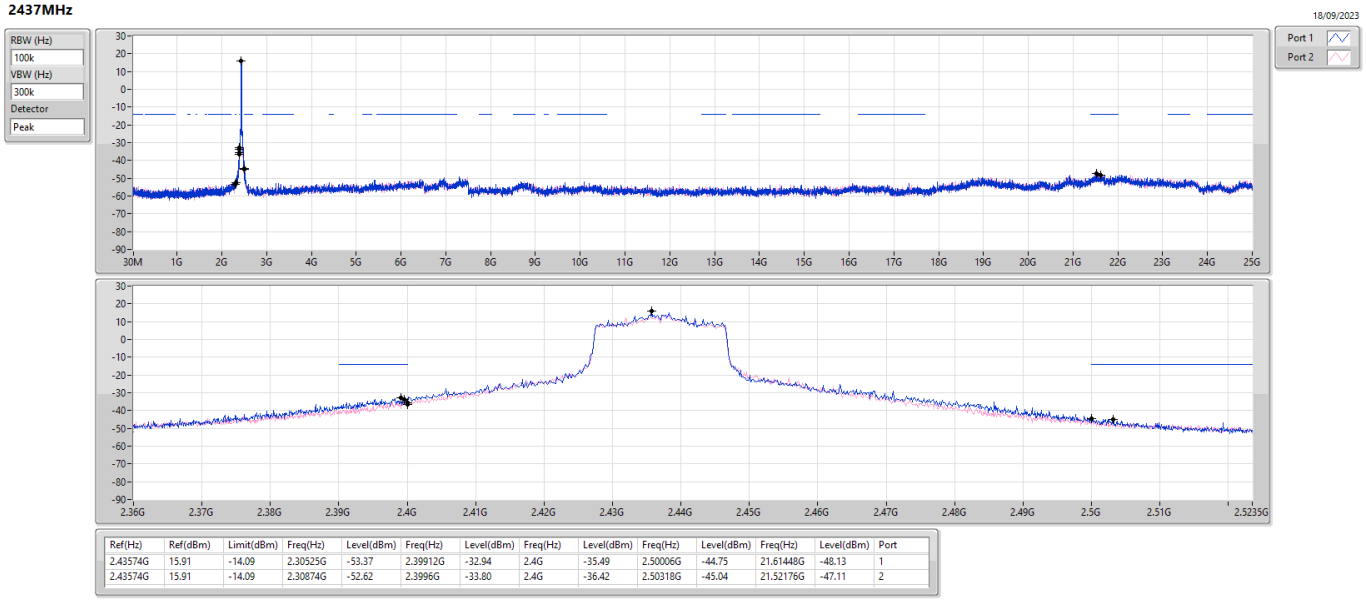
2412MHz



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	15.91	-14.09	2.30991G	-53.55	2.4G	-26.20	2.4G	-25.89	2.5067G	-49.13	21.67067G	-47.19	1
2.43574G	15.91	-14.09	2.30758G	-51.72	2.39976G	-26.72	2.4G	-26.21	2.5087G	-49.54	21.56952G	-47.58	2

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

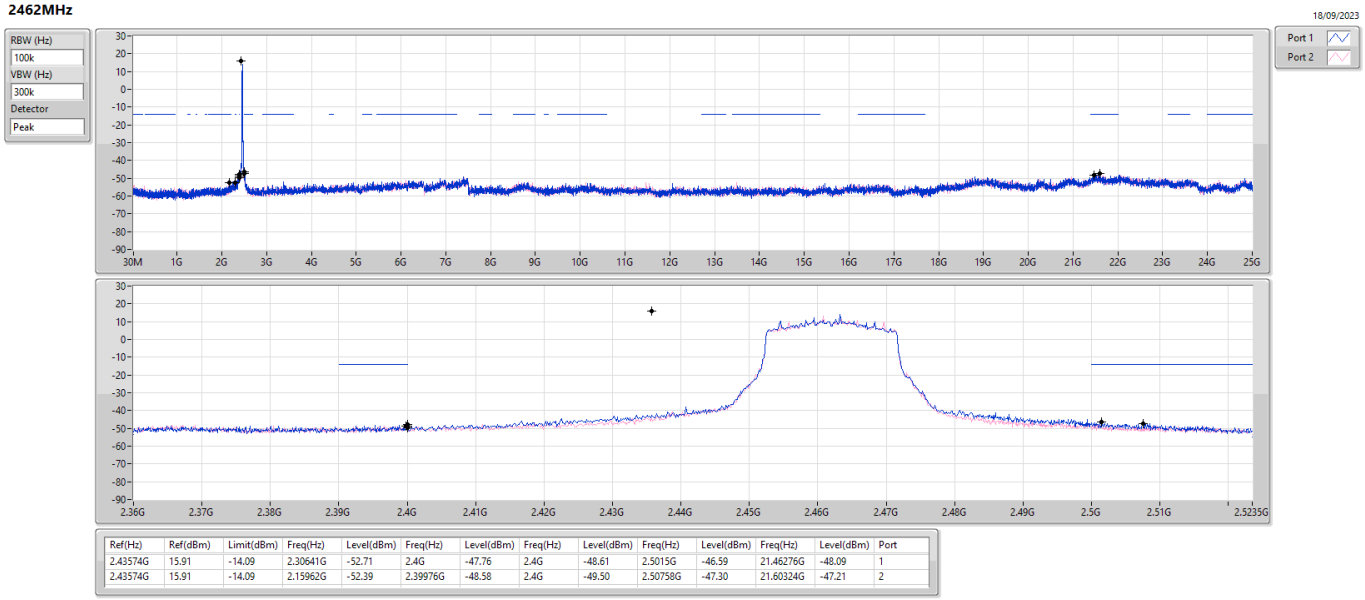
2437MHz



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	15.91	-14.09	2.30525G	-53.37	2.39912G	-32.94	2.4G	-35.49	2.50006G	-44.75	21.61448G	-48.13	1
2.43574G	15.91	-14.09	2.30874G	-52.62	2.3996G	-33.80	2.4G	-36.42	2.50318G	-45.04	21.52176G	-47.11	2

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

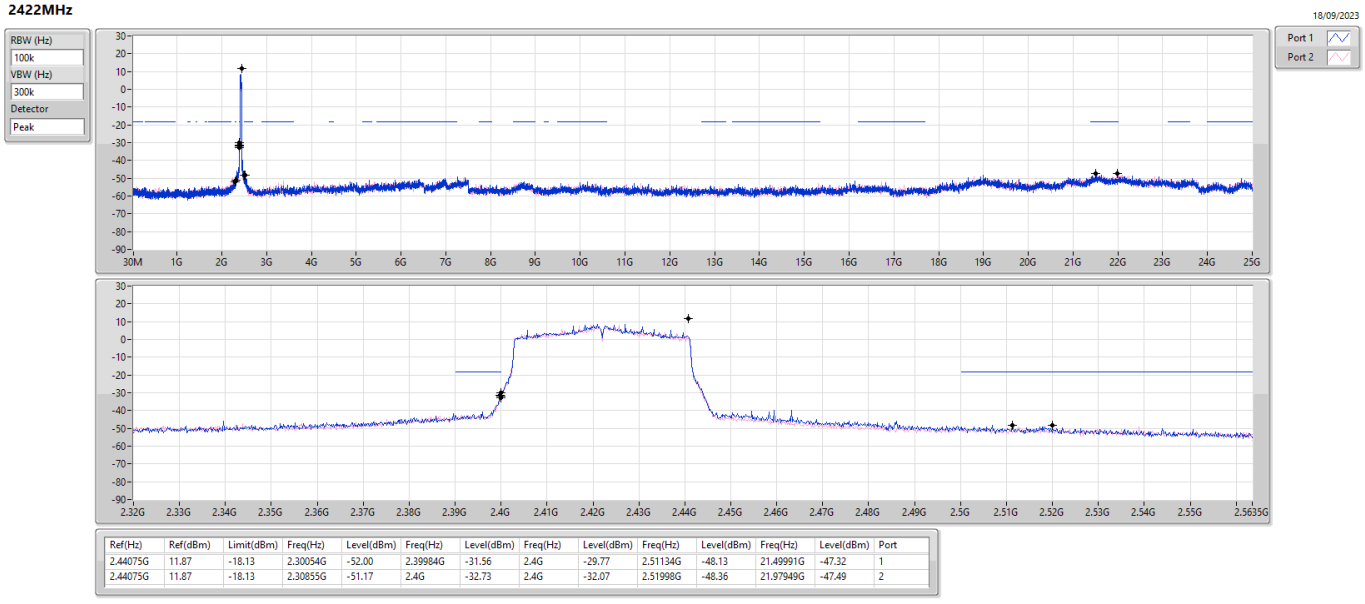
2462MHz



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	15.91	-14.09	2.30641G	-52.71	2.4G	-47.76	2.4G	-48.61	2.5015G	-46.59	21.46276G	-48.09	1
2.43574G	15.91	-14.09	2.15962G	-52.39	2.39976G	-48.58	2.4G	-49.50	2.50758G	-47.30	21.60324G	-47.21	2

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

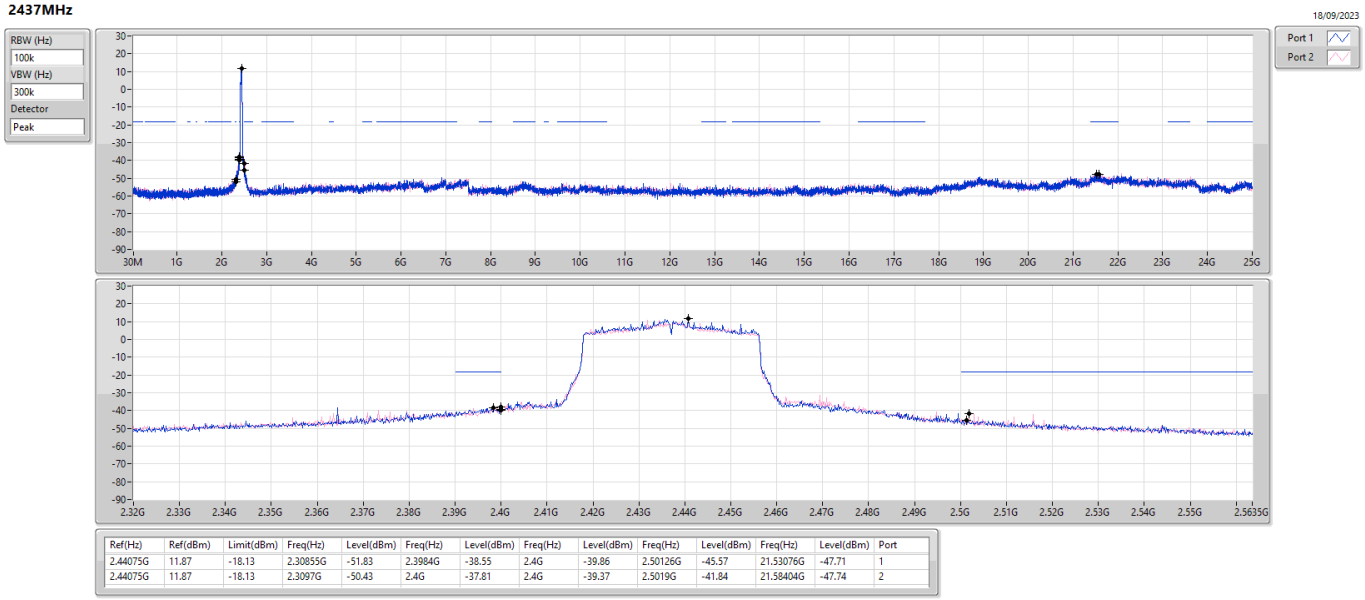
2422MHz



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
2.44075G	11.87	-18.13	2.30054G	-52.00	2.39984G	-31.56	2.4G	-29.77	2.51134G	-48.13	21.49991G	-47.32	1
2.44075G	11.87	-18.13	2.30855G	-51.17	2.4G	-32.73	2.4G	-32.07	2.51998G	-48.36	21.97949G	-47.49	2

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

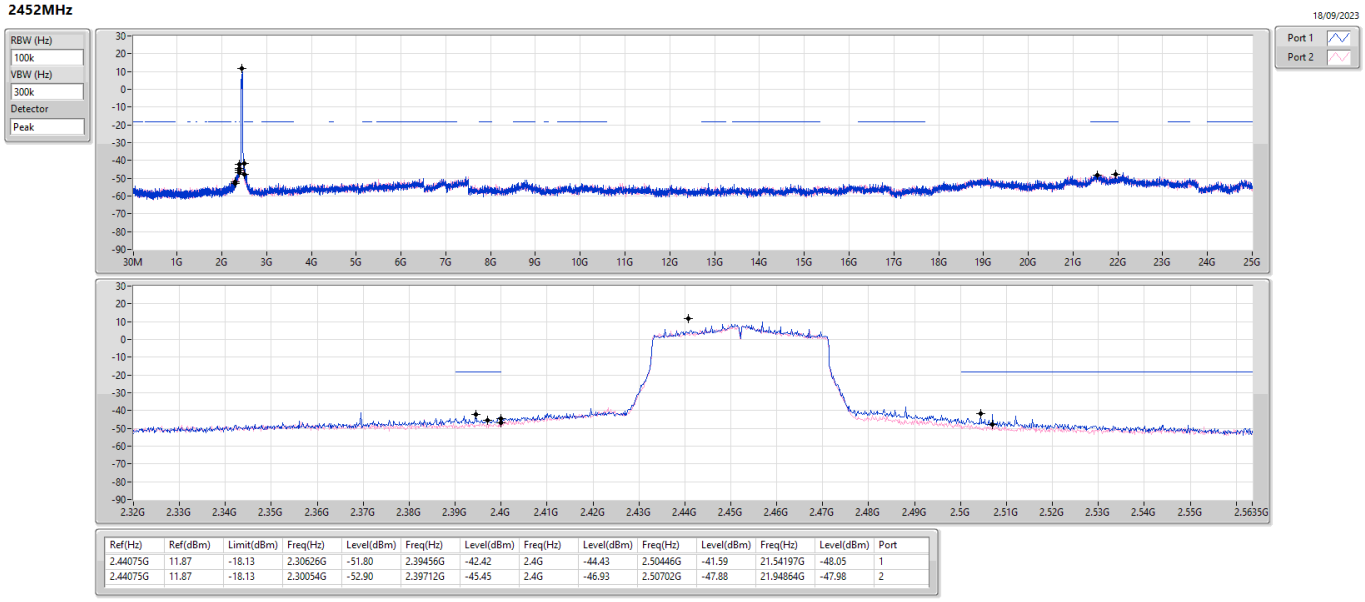
2437MHz



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
2.44075G	11.87	-18.13	2.30855G	-51.83	2.3984G	-38.55	2.4G	-39.86	2.50126G	-45.57	21.53076G	-47.71	1
2.44075G	11.87	-18.13	2.3097G	-50.43	2.4G	-37.81	2.4G	-39.37	2.5019G	-41.84	21.58404G	-47.74	2

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

2452MHz

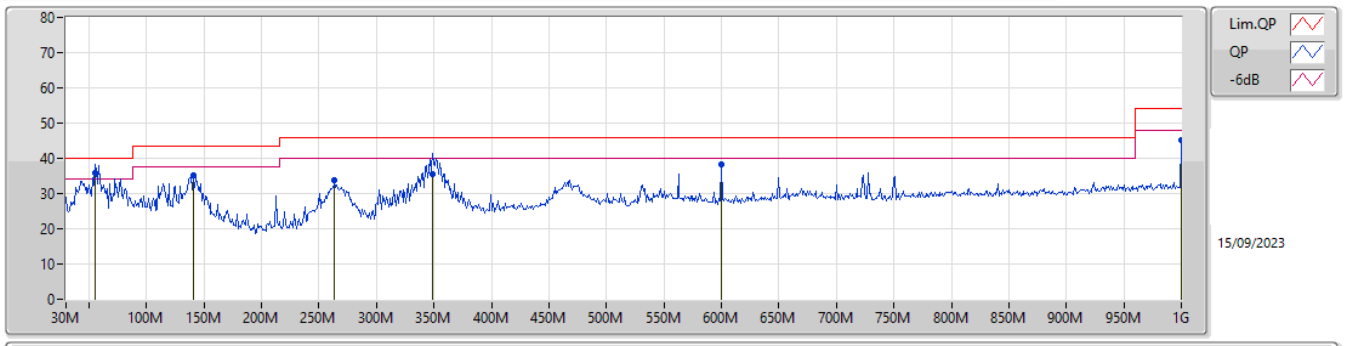


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	11.87	-18.13	2.30626G	-51.80	2.39456G	-42.42	2.4G	-44.43	2.50446G	-41.59	21.54197G	-48.05	1
2.44075G	11.87	-18.13	2.30054G	-52.90	2.39712G	-45.45	2.4G	-46.93	2.50702G	-47.88	21.94864G	-47.98	2

Summary

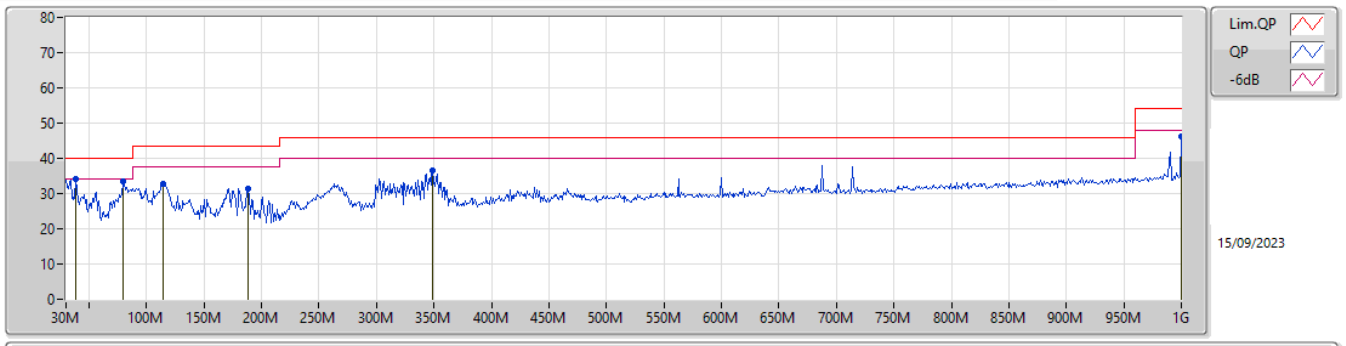
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	55.22M	35.72	40.00	-4.28	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	55.22M	35.72	40.00	-4.28	-17.67	3	Vertical	196	1.00	"Worst"	53.39	12.85	1.36	31.88
PK	140.58M	35.08	43.50	-8.42	-12.80	3	Vertical	300	1.00	-	47.88	17.09	2.08	31.97
PK	263.77M	33.77	46.00	-12.23	-9.84	3	Vertical	0	1.00	-	43.61	19.33	2.89	32.06
QP	349.13M	35.52	46.00	-10.48	-8.59	3	Vertical	247	1.25	-	44.11	20.19	3.38	32.16
PK	600.36M	38.43	46.00	-7.57	-3.68	3	Vertical	208	1.50	-	42.11	24.36	4.49	32.53
PK	999.99M	45.27	54.00	-8.73	0.77	3	Vertical	146	2.00	-	44.50	27.16	5.86	32.25

Mode 1



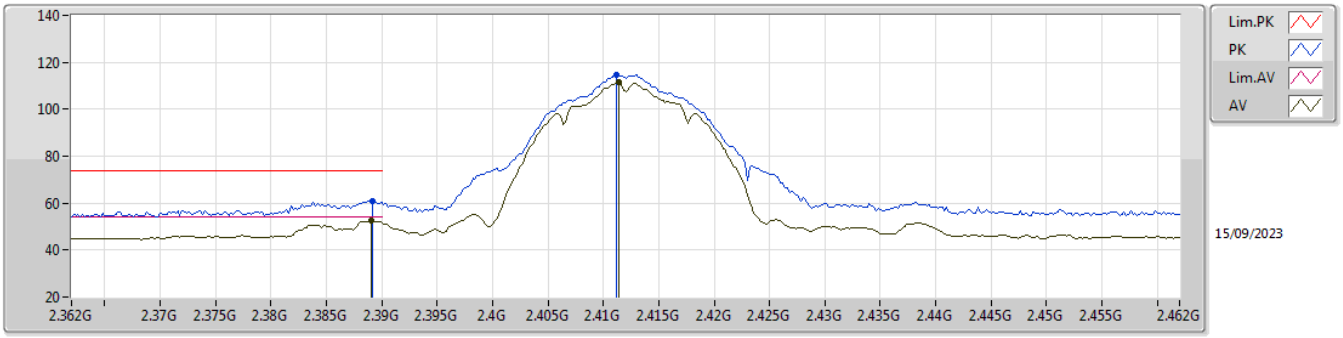
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	38.73M	34.10	40.00	-5.90	-11.12	3	Horizontal	159	1.00	"Worst"	45.22	19.45	1.19	31.76
PK	79.47M	33.39	40.00	-6.61	-17.46	3	Horizontal	209	2.00	-	50.85	12.90	1.60	31.96
PK	114.39M	32.90	43.50	-10.60	-12.06	3	Horizontal	353	1.50	-	44.96	18.01	1.90	31.97
PK	188.11M	31.47	43.50	-12.03	-14.45	3	Horizontal	209	2.00	-	45.92	15.14	2.42	32.01
PK	349.13M	36.67	46.00	-9.33	-8.59	3	Horizontal	275	1.00	-	45.26	20.19	3.38	32.16
PK	999.99M	46.15	54.00	-7.85	0.77	3	Horizontal	198	1.00	-	45.38	27.16	5.86	32.25

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	2.3874G	53.98	54.00	-0.02	3	Horizontal	113	2.70	-

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

2412MHz_TX

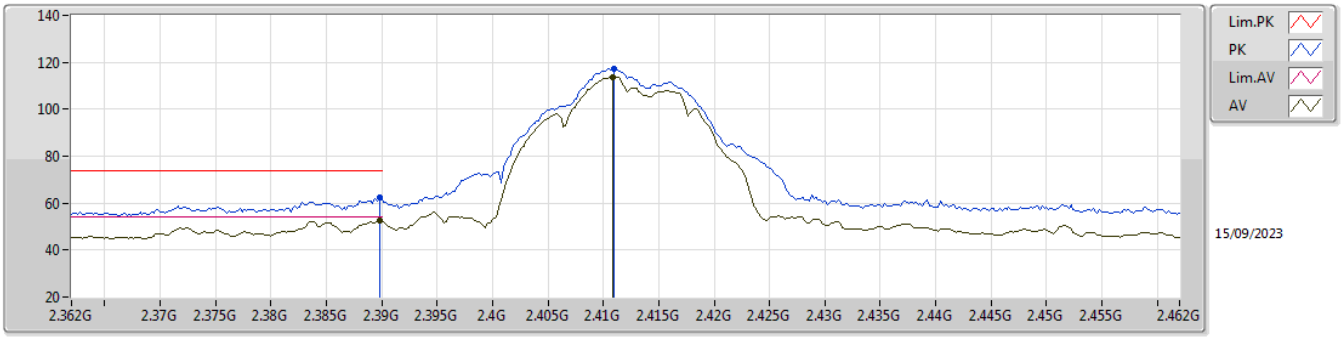


EUT Y_2TX
Setting 21
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	61.08	74.00	-12.92	29.49	3	Vertical	245	2.05	-	28.40	3.19	-
AV	2.389G	52.60	54.00	-1.40	21.01	3	Vertical	245	2.05	-	28.40	3.19	-
PK	2.4112G	114.72	Inf	-Inf	83.11	3	Vertical	245	2.05	-	28.40	3.21	-
AV	2.4114G	111.38	Inf	-Inf	79.77	3	Vertical	245	2.05	-	28.40	3.21	-

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

2412MHz_TX

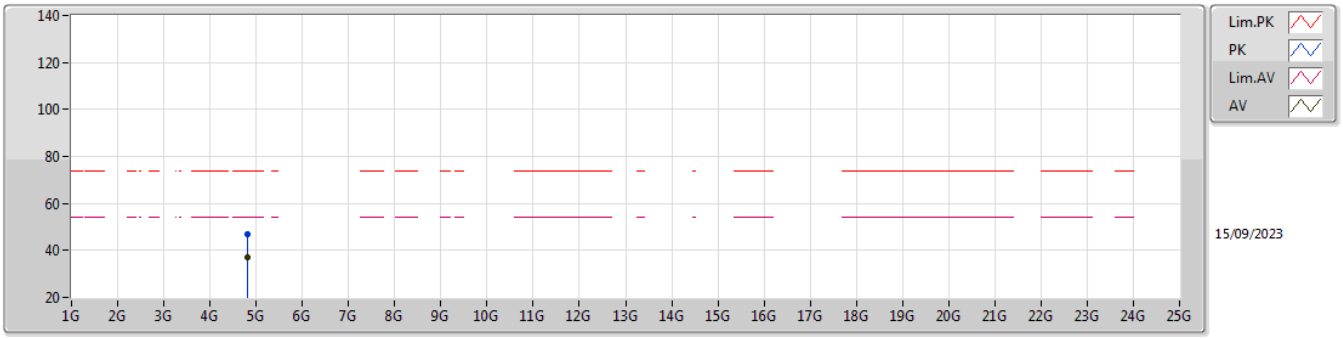


EUT Y_2TX
Setting 21
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	62.30	74.00	-11.70	30.71	3	Horizontal	114	2.31	-	28.40	3.19	-
AV	2.3898G	52.51	54.00	-1.49	20.92	3	Horizontal	114	2.31	-	28.40	3.19	-
PK	2.411G	117.30	Inf	-Inf	85.69	3	Horizontal	114	2.31	-	28.40	3.21	-
AV	2.4108G	113.61	Inf	-Inf	82.00	3	Horizontal	114	2.31	-	28.40	3.21	-

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

2412MHz_TX

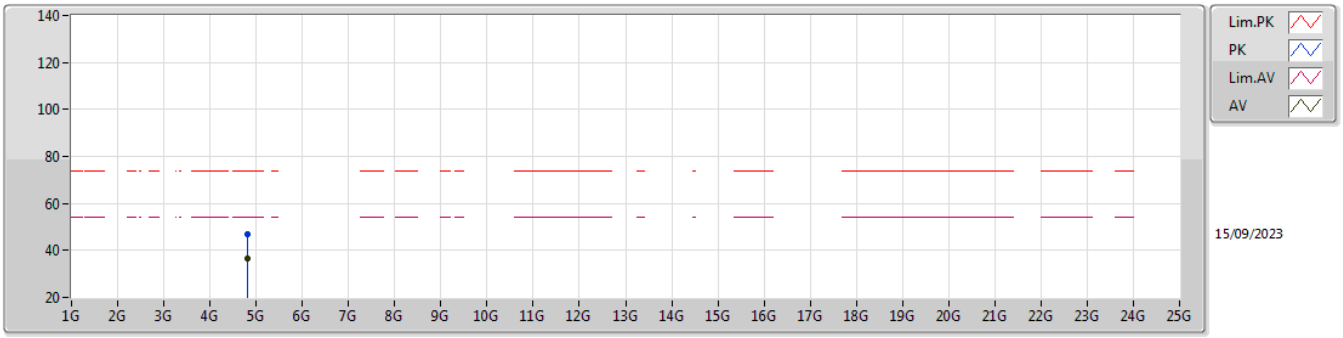


EUT Y_2TX
Setting 21
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82406G	46.87	74.00	-27.13	39.00	3	Vertical	187	2.17	-	32.94	5.61	30.68
AV	4.824G	37.05	54.00	-16.95	29.18	3	Vertical	187	2.17	-	32.94	5.61	30.68

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

2412MHz_TX

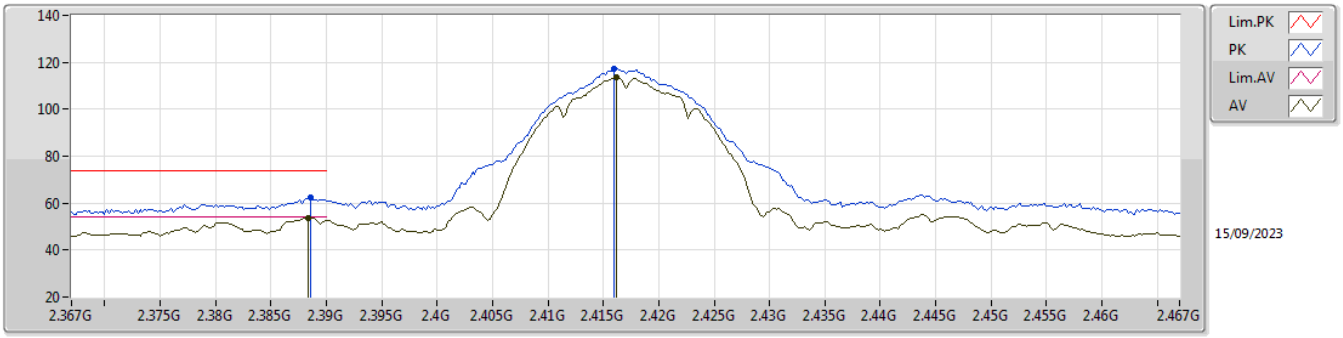


EUT Y_2TX
Setting 21
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82424G	46.83	74.00	-27.17	38.95	3	Horizontal	239	1.80	-	32.95	5.61	30.68
AV	4.824G	36.57	54.00	-17.43	28.70	3	Horizontal	239	1.80	-	32.94	5.61	30.68

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

2417MHz_TX

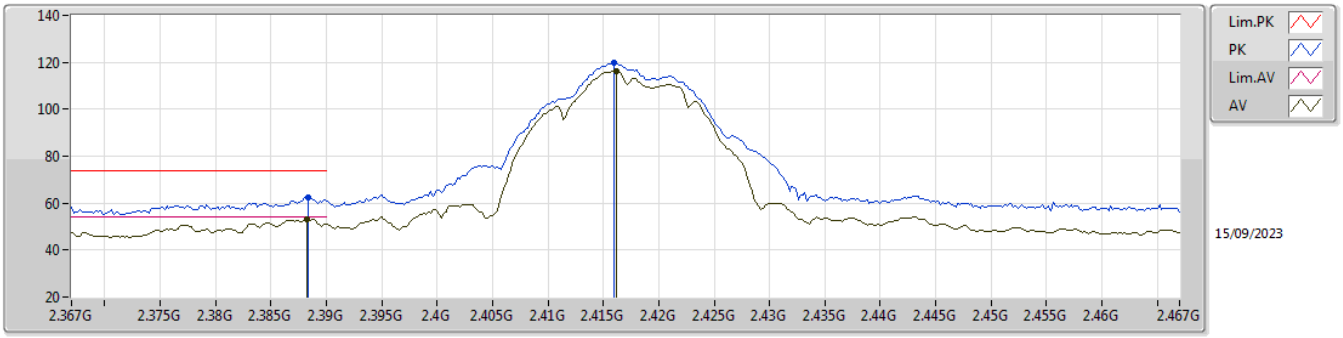


EUT Y_2TX
Setting 23.5
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	62.20	74.00	-11.80	30.61	3	Vertical	252	1.88	-	28.40	3.19	-
AV	2.3884G	53.80	54.00	-0.20	22.21	3	Vertical	252	1.88	-	28.40	3.19	-
PK	2.416G	117.35	Inf	-Inf	85.74	3	Vertical	252	1.88	-	28.40	3.21	-
AV	2.4162G	113.81	Inf	-Inf	82.20	3	Vertical	252	1.88	-	28.40	3.21	-

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

2417MHz_TX

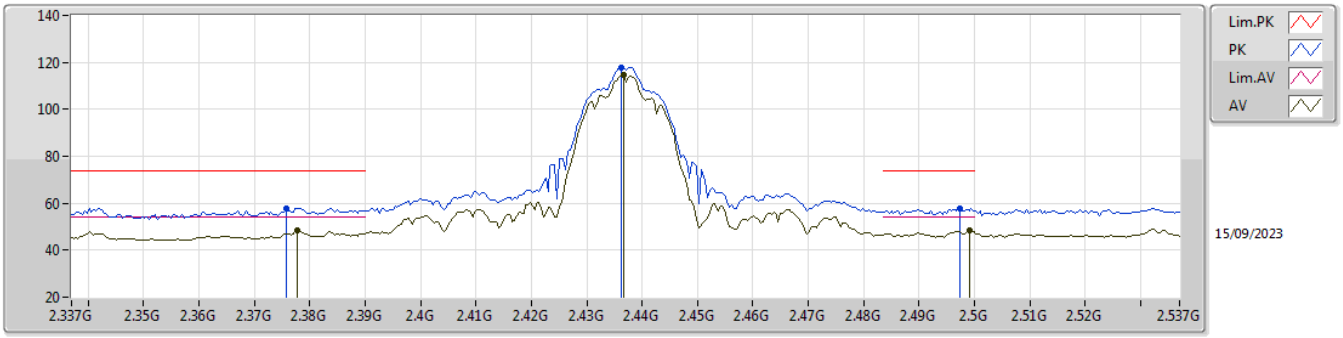


EUT Y_2TX
Setting 23.5
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3884G	62.29	74.00	-11.71	30.70	3	Horizontal	115	2.54	-	28.40	3.19	-
AV	2.3882G	52.99	54.00	-1.01	21.40	3	Horizontal	115	2.54	-	28.40	3.19	-
PK	2.416G	119.92	Inf	-Inf	88.31	3	Horizontal	115	2.54	-	28.40	3.21	-
AV	2.4162G	116.24	Inf	-Inf	84.63	3	Horizontal	115	2.54	-	28.40	3.21	-

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

2437MHz_TX

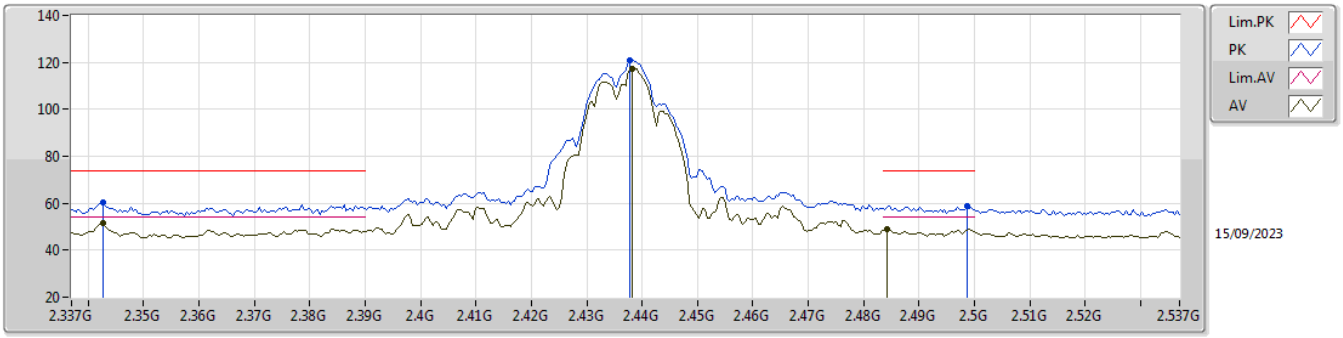


EUT Y_2TX
Setting 25
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3758G	57.98	74.00	-16.02	26.43	3	Vertical	293	2.44	-	28.36	3.19	-
AV	2.3778G	48.24	54.00	-5.76	16.67	3	Vertical	293	2.44	-	28.38	3.19	-
PK	2.4362G	117.89	Inf	-Inf	86.23	3	Vertical	293	2.44	-	28.44	3.22	-
AV	2.4366G	114.64	Inf	-Inf	82.99	3	Vertical	293	2.44	-	28.43	3.22	-
PK	2.4974G	57.78	74.00	-16.22	25.96	3	Vertical	293	2.44	-	28.57	3.25	-
AV	2.499G	48.32	54.00	-5.68	16.48	3	Vertical	293	2.44	-	28.59	3.25	-

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

2437MHz_TX

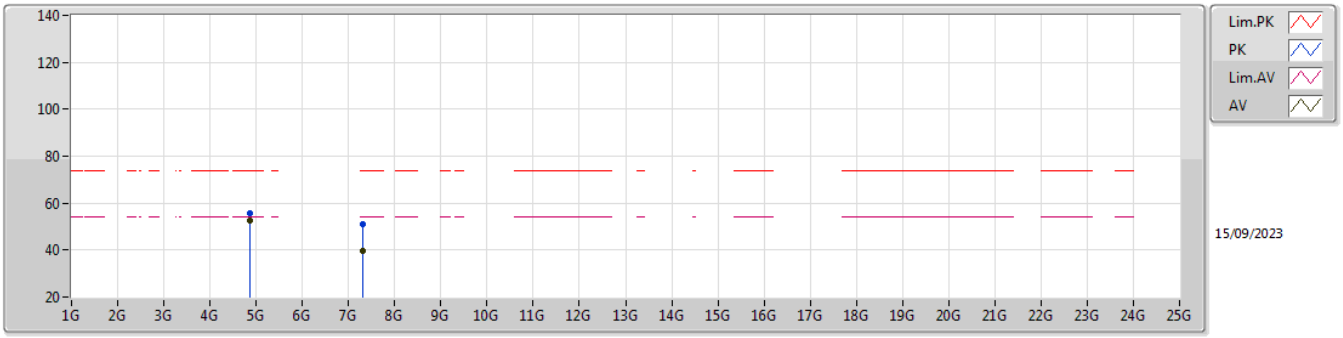


EUT Y_2TX
Setting 25
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3426G	60.21	74.00	-13.79	28.91	3	Horizontal	122	2.48	-	28.13	3.17	-
AV	2.3426G	51.77	54.00	-2.23	20.47	3	Horizontal	122	2.48	-	28.13	3.17	-
PK	2.4378G	120.73	Inf	-Inf	89.09	3	Horizontal	122	2.48	-	28.42	3.22	-
AV	2.4382G	117.15	Inf	-Inf	85.51	3	Horizontal	122	2.48	-	28.42	3.22	-
PK	2.4986G	58.83	74.00	-15.17	26.99	3	Horizontal	122	2.48	-	28.59	3.25	-
AV	2.4842G	48.74	54.00	-5.26	17.00	3	Horizontal	122	2.48	-	28.50	3.24	-

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

2437MHz_TX

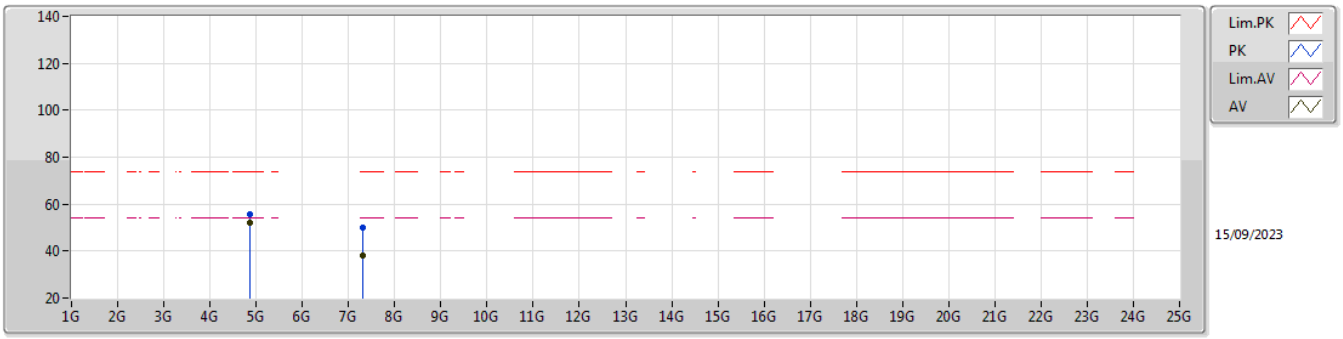


EUT Y_2TX
Setting 25
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87394G	55.45	74.00	-18.55	47.30	3	Vertical	148	1.63	-	33.15	5.64	30.64
AV	4.87406G	52.58	54.00	-1.42	44.43	3	Vertical	148	1.63	-	33.15	5.64	30.64
PK	7.3158G	50.95	74.00	-23.05	39.60	3	Vertical	9	1.19	-	36.63	6.84	32.12
AV	7.31286G	39.79	54.00	-14.21	28.44	3	Vertical	9	1.19	-	36.63	6.84	32.12

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

2437MHz_TX

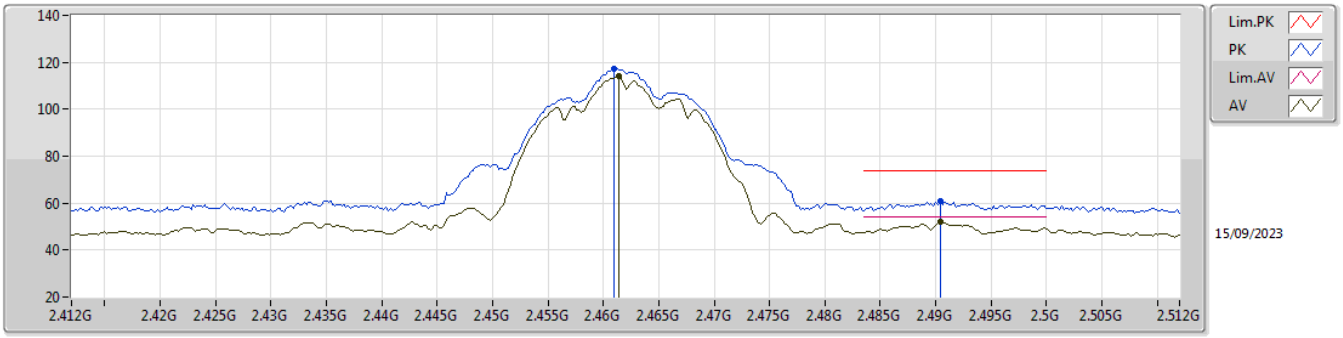


EUT Y_2TX
Setting 25
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.874G	55.52	74.00	-18.48	47.37	3	Horizontal	152	1.71	-	33.15	5.64	30.64
AV	4.874G	51.97	54.00	-2.03	43.82	3	Horizontal	152	1.71	-	33.15	5.64	30.64
PK	7.31322G	50.02	74.00	-23.98	38.67	3	Horizontal	137	2.56	-	36.63	6.84	32.12
AV	7.31442G	37.98	54.00	-16.02	26.63	3	Horizontal	137	2.56	-	36.63	6.84	32.12

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

2462MHz_TX

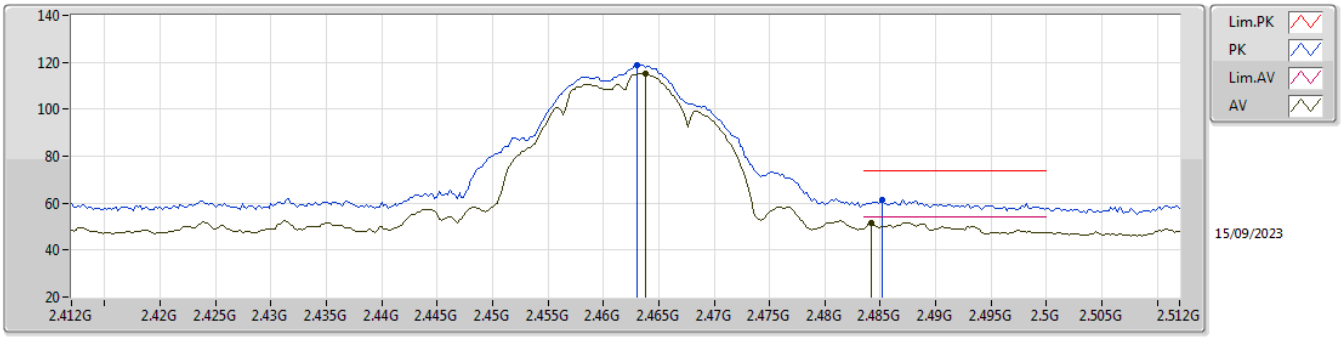


EUT Y_2TX
Setting 24
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.461G	117.46	Inf	-Inf	85.73	3	Vertical	294	1.83	-	28.50	3.23	-
AV	2.4614G	113.92	Inf	-Inf	82.19	3	Vertical	294	1.83	-	28.50	3.23	-
PK	2.4904G	60.87	74.00	-13.13	29.12	3	Vertical	294	1.83	-	28.50	3.25	-
AV	2.4904G	51.82	54.00	-2.18	20.07	3	Vertical	294	1.83	-	28.50	3.25	-

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

2462MHz_TX

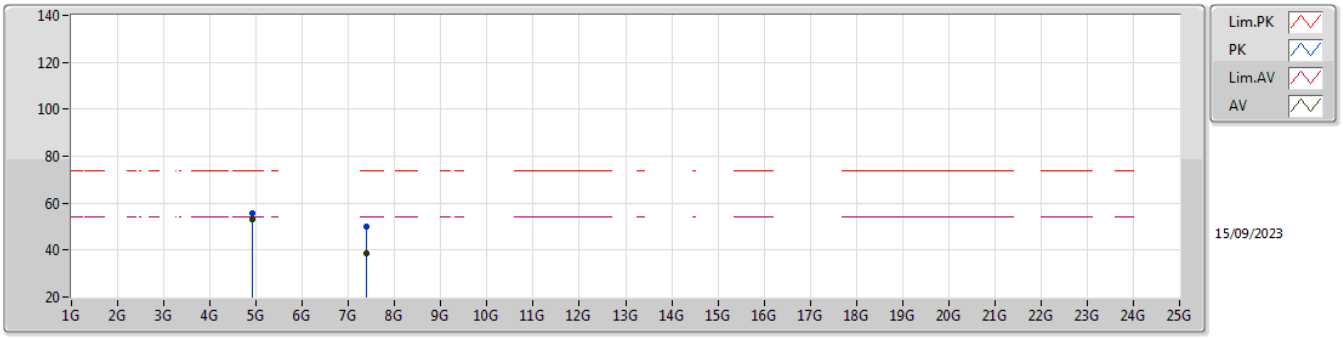


EUT Y_2TX
Setting 24
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	118.86	Inf	-Inf	87.13	3	Horizontal	115	2.44	-	28.50	3.23	-
AV	2.4638G	115.28	Inf	-Inf	83.55	3	Horizontal	115	2.44	-	28.50	3.23	-
PK	2.4852G	61.38	74.00	-12.62	29.64	3	Horizontal	115	2.44	-	28.50	3.24	-
AV	2.4842G	51.58	54.00	-2.42	19.84	3	Horizontal	115	2.44	-	28.50	3.24	-

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

2462MHz_TX

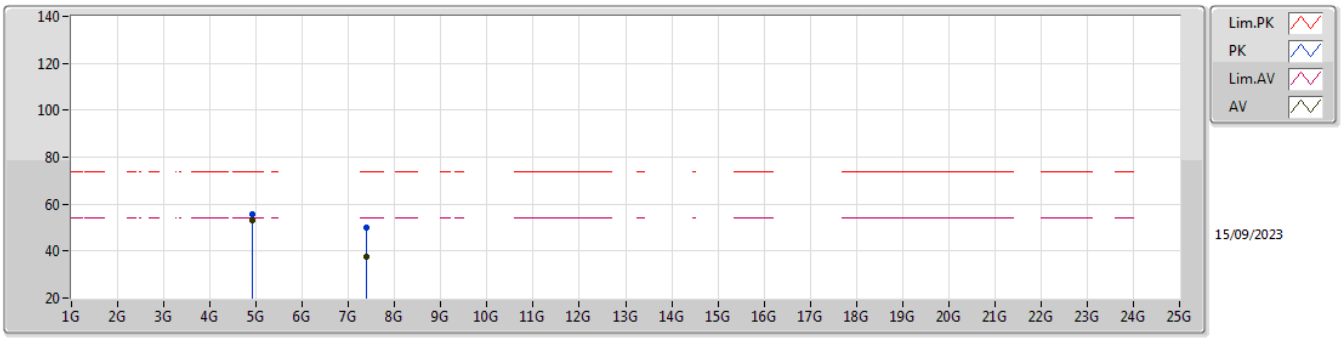


EUT Y_2TX
Setting 24
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92406G	55.83	74.00	-18.17	47.53	3	Vertical	148	1.58	-	33.25	5.66	30.61
AV	4.924G	53.17	54.00	-0.83	44.87	3	Vertical	148	1.58	-	33.25	5.66	30.61
PK	7.3869G	49.95	74.00	-24.05	38.60	3	Vertical	22	1.80	-	36.70	6.81	32.16
AV	7.38798G	38.70	54.00	-15.30	27.35	3	Vertical	22	1.80	-	36.70	6.81	32.16

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

2462MHz_TX

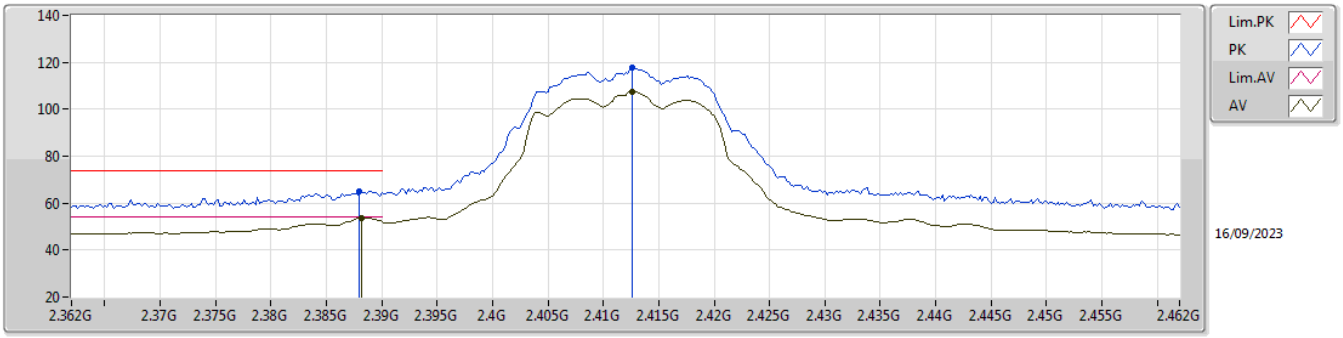


EUT Y_2TX
Setting 24
02-E-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92394G	55.59	74.00	-18.41	47.29	3	Horizontal	196	2.47	-	33.25	5.66	30.61
AV	4.92394G	52.86	54.00	-1.14	44.56	3	Horizontal	196	2.47	-	33.25	5.66	30.61
PK	7.3839G	50.16	74.00	-23.84	38.80	3	Horizontal	121	1.33	-	36.70	6.81	32.15
AV	7.39242G	37.55	54.00	-16.45	26.21	3	Horizontal	121	1.33	-	36.70	6.80	32.16

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

2412MHz_TX

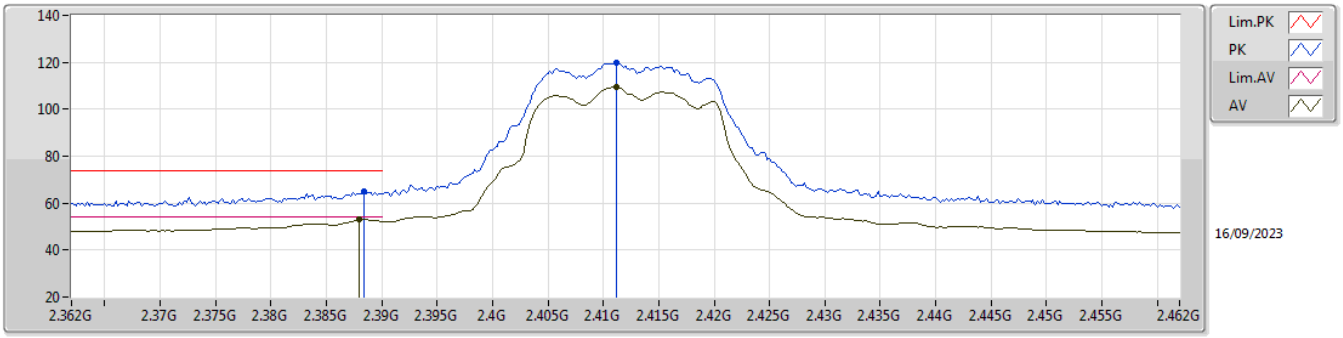


EUT Y_2TX
Setting 22
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.388G	65.19	74.00	-8.81	33.82	3	Vertical	354	1.80	-	27.78	3.59	-
AV	2.3882G	53.84	54.00	-0.16	22.47	3	Vertical	354	1.80	-	27.78	3.59	-
PK	2.4126G	117.52	Inf	-Inf	86.08	3	Vertical	354	1.80	-	27.83	3.61	-
AV	2.4126G	107.58	Inf	-Inf	76.14	3	Vertical	354	1.80	-	27.83	3.61	-

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

2412MHz_TX

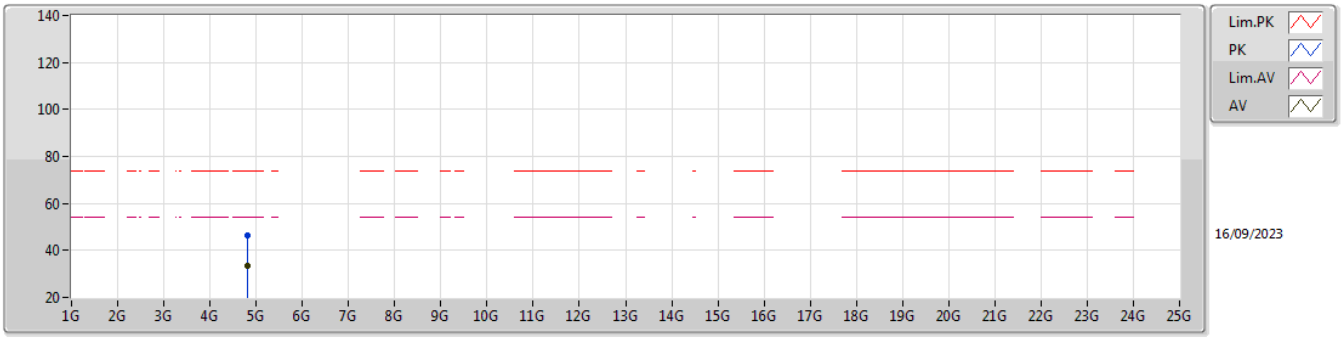


EUT Y_2TX
Setting 22
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3884G	64.80	74.00	-9.20	33.43	3	Horizontal	117	2.00	-	27.78	3.59	-
AV	2.388G	52.99	54.00	-1.01	21.62	3	Horizontal	117	2.00	-	27.78	3.59	-
PK	2.4112G	119.86	Inf	-Inf	88.43	3	Horizontal	117	2.00	-	27.82	3.61	-
AV	2.4112G	109.64	Inf	-Inf	78.21	3	Horizontal	117	2.00	-	27.82	3.61	-

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

2412MHz_TX

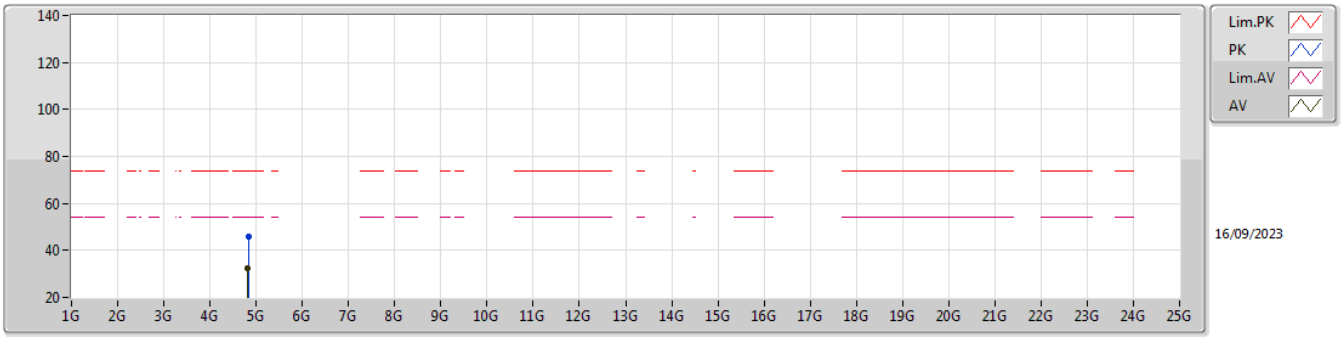


EUT Y_2TX
Setting 22
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.81572G	46.44	74.00	-27.56	40.90	3	Vertical	106	1.80	-	32.79	5.72	32.97
AV	4.82388G	33.24	54.00	-20.76	27.65	3	Vertical	106	1.80	-	32.84	5.72	32.97

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

2412MHz_TX

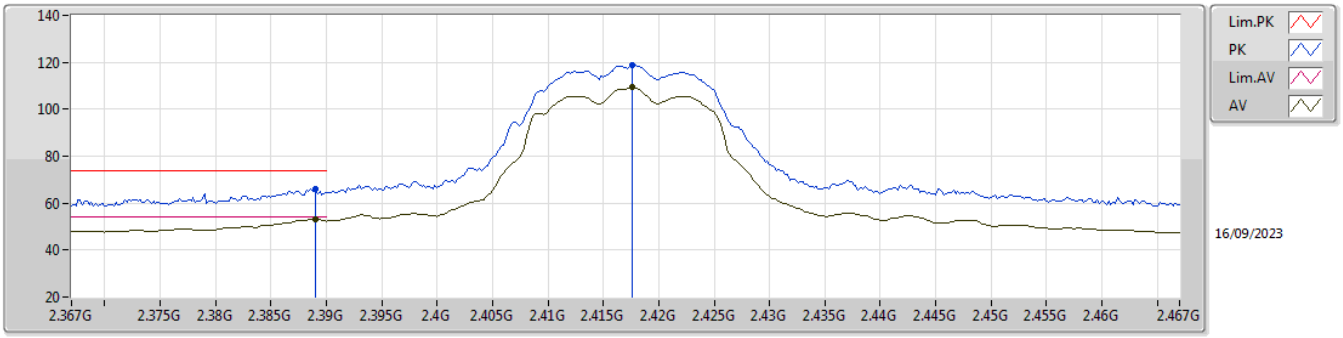


EUT Y_2TX
Setting 22
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8276G	46.06	74.00	-27.94	40.43	3	Horizontal	85	1.80	-	32.87	5.73	32.97
AV	4.82382G	32.41	54.00	-21.59	26.82	3	Horizontal	85	1.80	-	32.84	5.72	32.97

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

2417MHz_TX

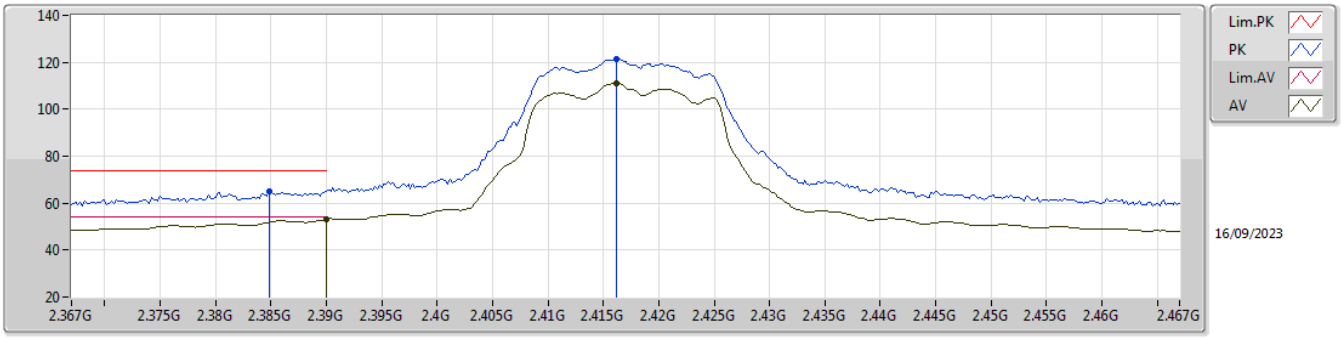


EUT Y_2TX
Setting 23.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	65.92	74.00	-8.08	34.55	3	Vertical	360	1.80	-	27.78	3.59	-
AV	2.389G	53.04	54.00	-0.96	21.67	3	Vertical	360	1.80	-	27.78	3.59	-
PK	2.4176G	119.00	Inf	-Inf	87.55	3	Vertical	360	1.80	-	27.84	3.61	-
AV	2.4176G	109.28	Inf	-Inf	77.83	3	Vertical	360	1.80	-	27.84	3.61	-

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

2417MHz_TX

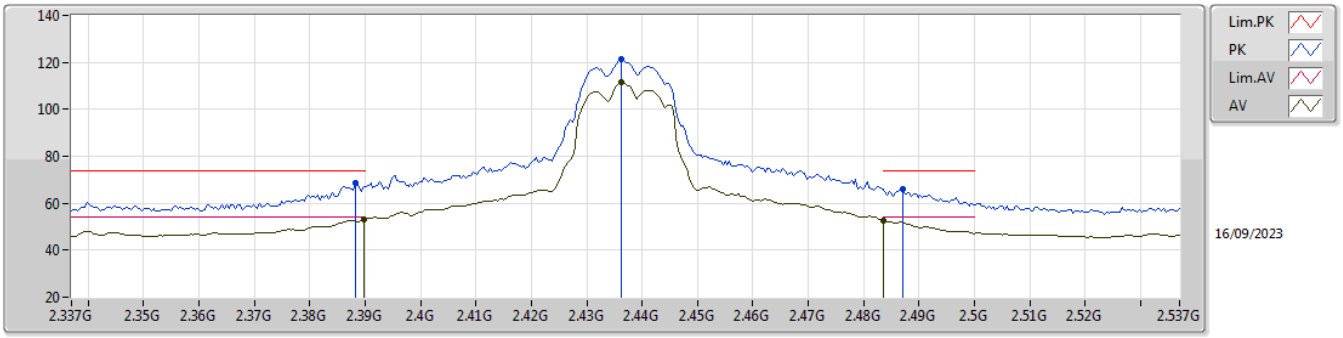


EUT Y_2TX
Setting 23.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3848G	65.18	74.00	-8.82	33.83	3	Horizontal	110	1.77	-	27.77	3.58	-
AV	2.39G	52.97	54.00	-1.03	21.60	3	Horizontal	110	1.77	-	27.78	3.59	-
PK	2.4162G	121.57	Inf	-Inf	90.13	3	Horizontal	110	1.77	-	27.83	3.61	-
AV	2.4162G	111.24	Inf	-Inf	79.80	3	Horizontal	110	1.77	-	27.83	3.61	-

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

2437MHz_TX

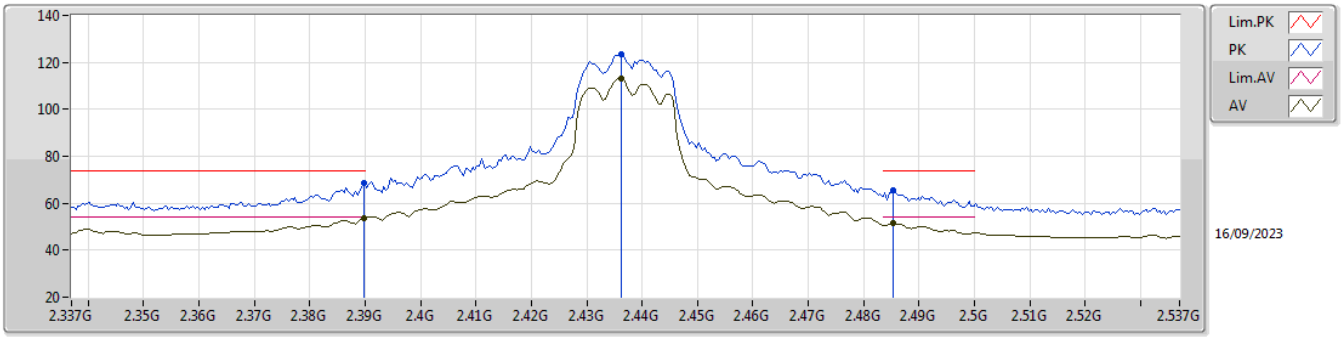


EUT Y_2TX
Setting 25.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3882G	68.62	74.00	-5.38	37.25	3	Vertical	8	2.06	-	27.78	3.59	-
AV	2.3898G	52.97	54.00	-1.03	21.60	3	Vertical	8	2.06	-	27.78	3.59	-
PK	2.4362G	121.60	Inf	-Inf	90.11	3	Vertical	8	2.06	-	27.87	3.62	-
AV	2.4362G	111.63	Inf	-Inf	80.14	3	Vertical	8	2.06	-	27.87	3.62	-
PK	2.487G	66.29	74.00	-7.71	34.53	3	Vertical	8	2.06	-	28.12	3.64	-
AV	2.4835G	52.51	54.00	-1.49	20.77	3	Vertical	8	2.06	-	28.10	3.64	-

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

2437MHz_TX

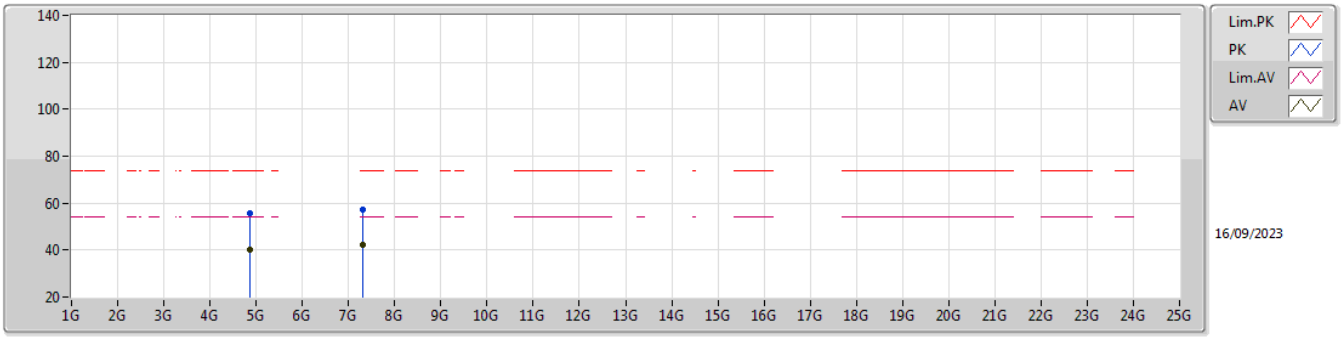


EUT Y_2TX
Setting 25.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	68.38	74.00	-5.62	37.01	3	Horizontal	115	2.67	-	27.78	3.59	-
AV	2.3898G	53.78	54.00	-0.22	22.41	3	Horizontal	115	2.67	-	27.78	3.59	-
PK	2.4362G	123.20	Inf	-Inf	91.71	3	Horizontal	115	2.67	-	27.87	3.62	-
AV	2.4362G	113.03	Inf	-Inf	81.54	3	Horizontal	115	2.67	-	27.87	3.62	-
PK	2.4854G	65.58	74.00	-8.42	33.83	3	Horizontal	115	2.67	-	28.11	3.64	-
AV	2.4854G	51.32	54.00	-2.68	19.57	3	Horizontal	115	2.67	-	28.11	3.64	-

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

2437MHz_TX

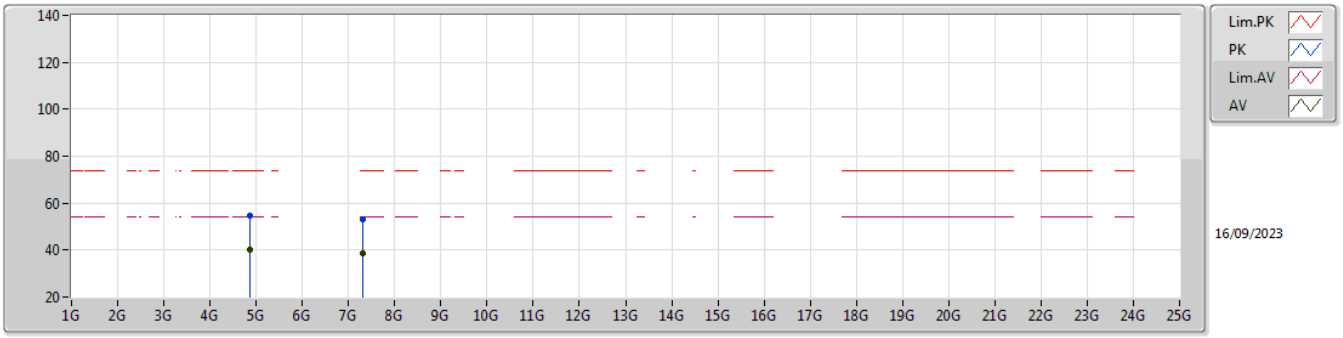


EUT Y_2TX
Setting 25.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87508G	55.90	74.00	-18.10	50.08	3	Vertical	39	1.80	-	33.00	5.78	32.96
AV	4.8749G	40.21	54.00	-13.79	34.40	3	Vertical	39	1.80	-	33.00	5.77	32.96
PK	7.3149G	57.06	74.00	-16.94	45.40	3	Vertical	22	1.35	-	37.60	7.16	33.10
AV	7.30974G	42.37	54.00	-11.63	30.72	3	Vertical	22	1.35	-	37.60	7.15	33.10

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

2437MHz_TX

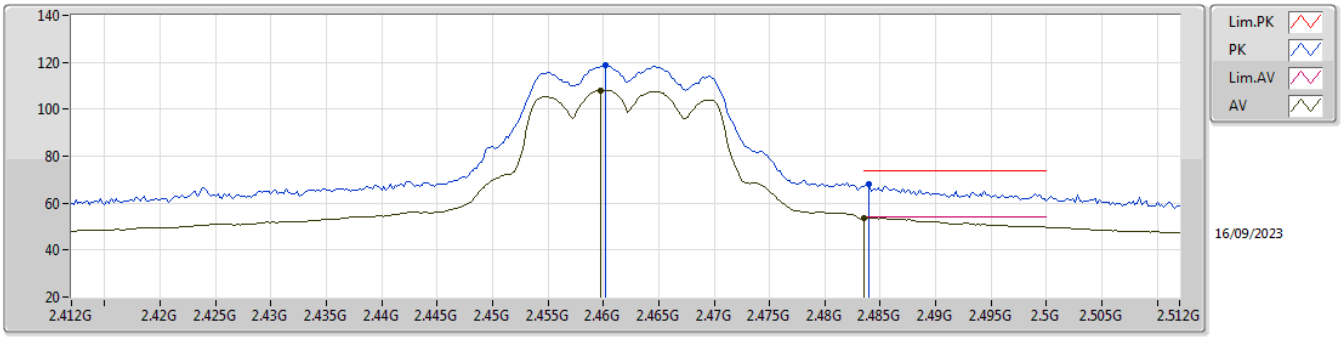


EUT Y_2TX
Setting 25.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87556G	54.58	74.00	-19.42	48.76	3	Horizontal	155	1.80	-	33.00	5.78	32.96
AV	4.87544G	40.40	54.00	-13.60	34.58	3	Horizontal	155	1.80	-	33.00	5.78	32.96
PK	7.31694G	52.90	74.00	-21.10	41.25	3	Horizontal	133	1.78	-	37.60	7.16	33.11
AV	7.31004G	38.68	54.00	-15.32	27.02	3	Horizontal	133	1.78	-	37.60	7.16	33.10

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

2462MHz_TX

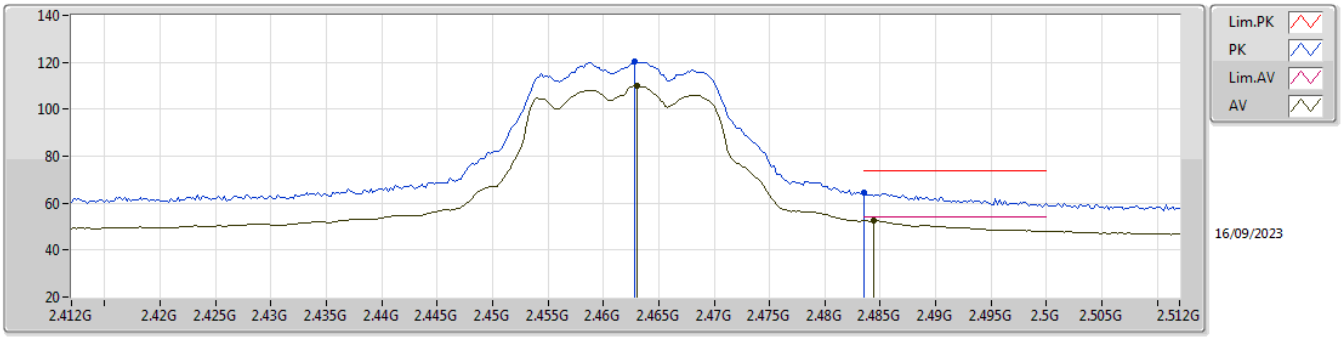


EUT Y_2TX
Setting 23
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4602G	118.67	Inf	-Inf	87.08	3	Vertical	296	1.80	-	27.96	3.63	-
AV	2.4598G	108.18	Inf	-Inf	76.59	3	Vertical	296	1.80	-	27.96	3.63	-
PK	2.484G	67.89	74.00	-6.11	36.15	3	Vertical	296	1.80	-	28.10	3.64	-
AV	2.4835G	53.72	54.00	-0.28	21.98	3	Vertical	296	1.80	-	28.10	3.64	-

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

2462MHz_TX

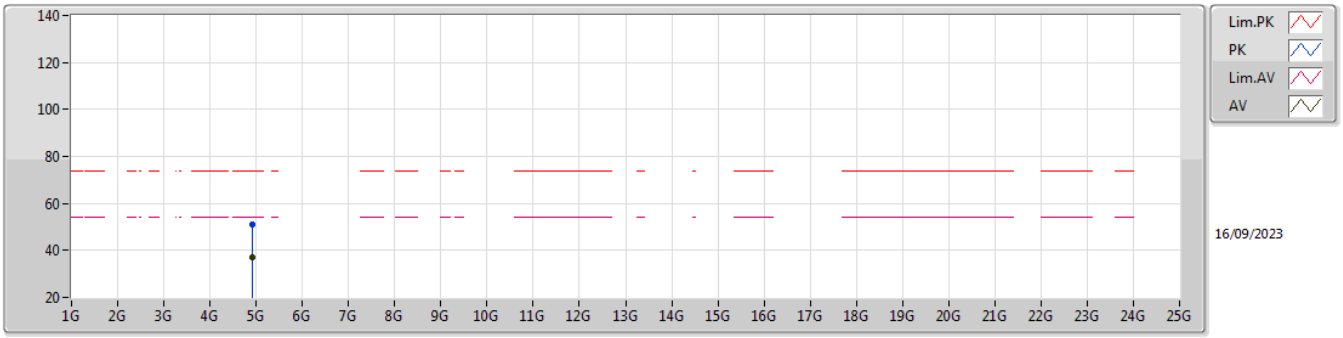


EUT Y_2TX
Setting 23
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4628G	120.22	Inf	-Inf	88.61	3	Horizontal	114	2.37	-	27.98	3.63	-
AV	2.463G	109.94	Inf	-Inf	78.33	3	Horizontal	114	2.37	-	27.98	3.63	-
PK	2.4835G	64.45	74.00	-9.55	32.71	3	Horizontal	114	2.37	-	28.10	3.64	-
AV	2.4844G	52.54	54.00	-1.46	20.79	3	Horizontal	114	2.37	-	28.11	3.64	-

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

2462MHz_TX

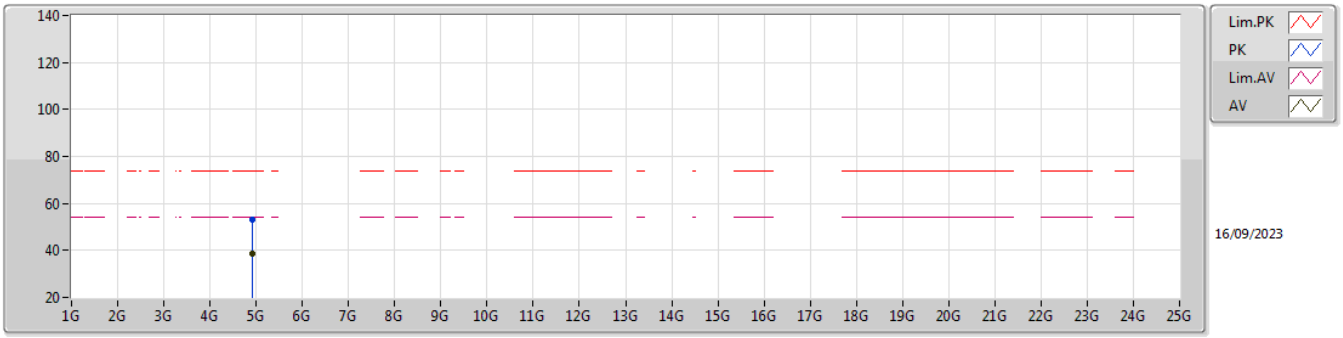


EUT Y_2TX
Setting 23
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92622G	50.94	74.00	-23.06	45.06	3	Vertical	33	1.79	-	33.00	5.83	32.95
AV	4.92568G	37.11	54.00	-16.89	31.23	3	Vertical	33	1.79	-	33.00	5.83	32.95

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

2462MHz_TX

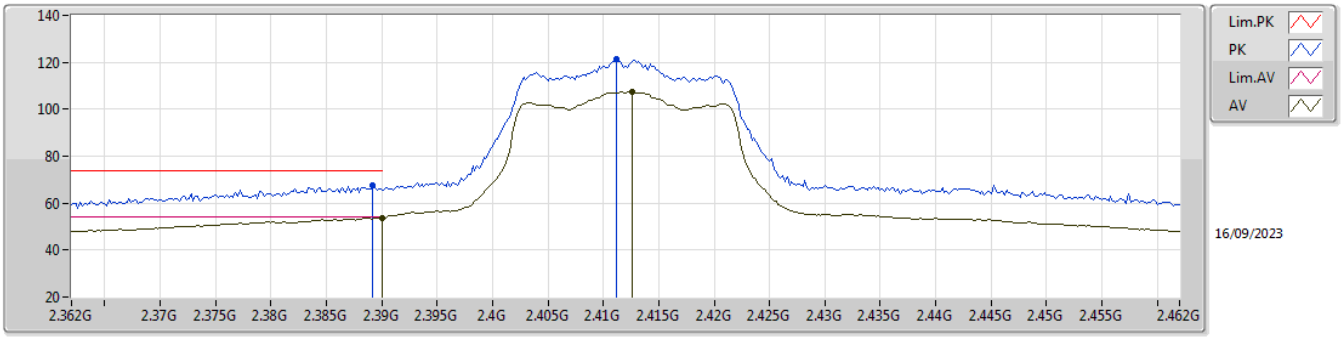


EUT Y_2TX
Setting 23
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92706G	53.33	74.00	-20.67	47.45	3	Horizontal	170	1.80	-	33.00	5.83	32.95
AV	4.92622G	38.47	54.00	-15.53	32.59	3	Horizontal	170	1.80	-	33.00	5.83	32.95

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

2412MHz_TX

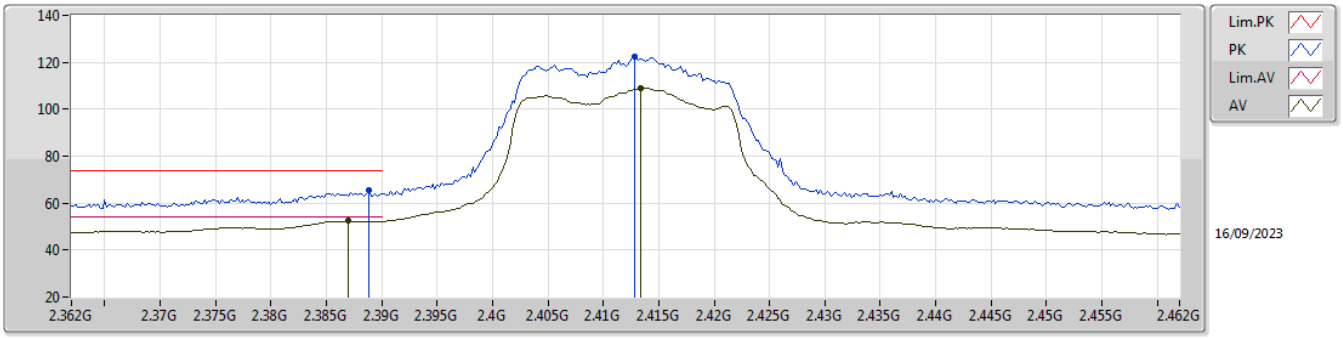


EUT Y_2TX
Setting 22
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	67.35	74.00	-6.65	35.98	3	Vertical	247	1.80	-	27.78	3.59	-
AV	2.39G	53.58	54.00	-0.42	22.21	3	Vertical	247	1.80	-	27.78	3.59	-
PK	2.4112G	121.50	Inf	-Inf	90.07	3	Vertical	247	1.80	-	27.82	3.61	-
AV	2.4126G	107.33	Inf	-Inf	75.89	3	Vertical	247	1.80	-	27.83	3.61	-

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

2412MHz_TX

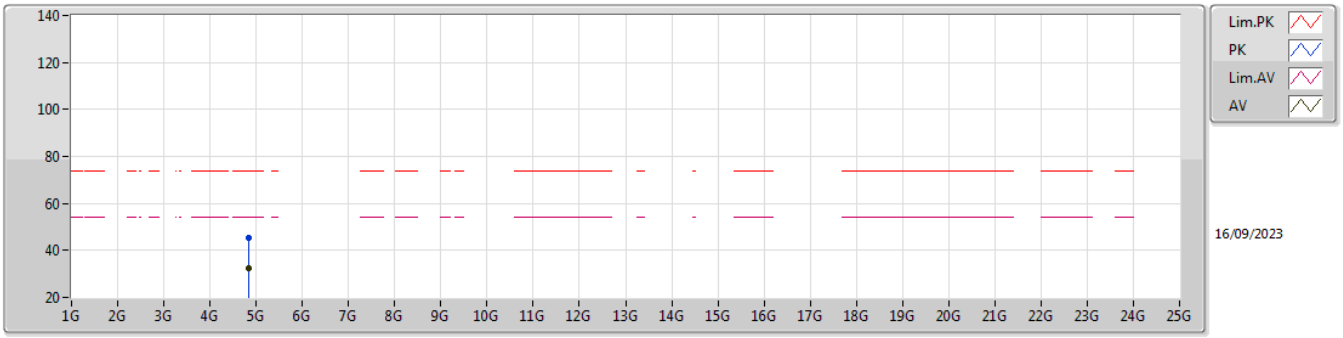


EUT Y_2TX
Setting 22
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3888G	65.61	74.00	-8.39	34.24	3	Horizontal	110	2.46	-	27.78	3.59	-
AV	2.387G	52.46	54.00	-1.54	21.10	3	Horizontal	110	2.46	-	27.77	3.59	-
PK	2.4128G	122.22	Inf	-Inf	90.78	3	Horizontal	110	2.46	-	27.83	3.61	-
AV	2.4134G	109.13	Inf	-Inf	77.69	3	Horizontal	110	2.46	-	27.83	3.61	-

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

2412MHz_TX

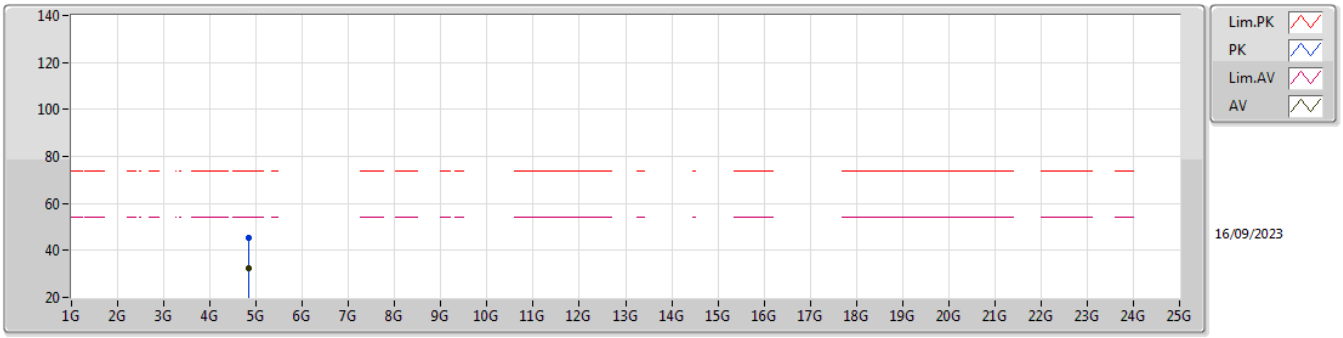


EUT Y_2TX
Setting 22
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83672G	45.33	74.00	-28.67	39.64	3	Vertical	207	3.00	-	32.92	5.74	32.97
AV	4.83588G	32.16	54.00	-21.84	26.47	3	Vertical	207	3.00	-	32.92	5.74	32.97

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

2412MHz_TX

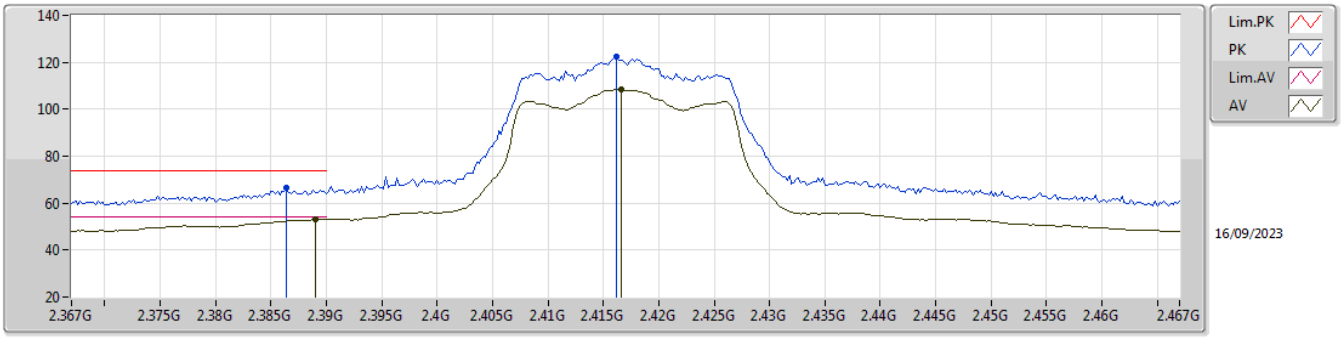


EUT Y_2TX
Setting 22
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8354G	45.42	74.00	-28.58	39.74	3	Horizontal	85	2.85	-	32.91	5.74	32.97
AV	4.83534G	32.21	54.00	-21.79	26.53	3	Horizontal	85	2.85	-	32.91	5.74	32.97

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

2417MHz_TX

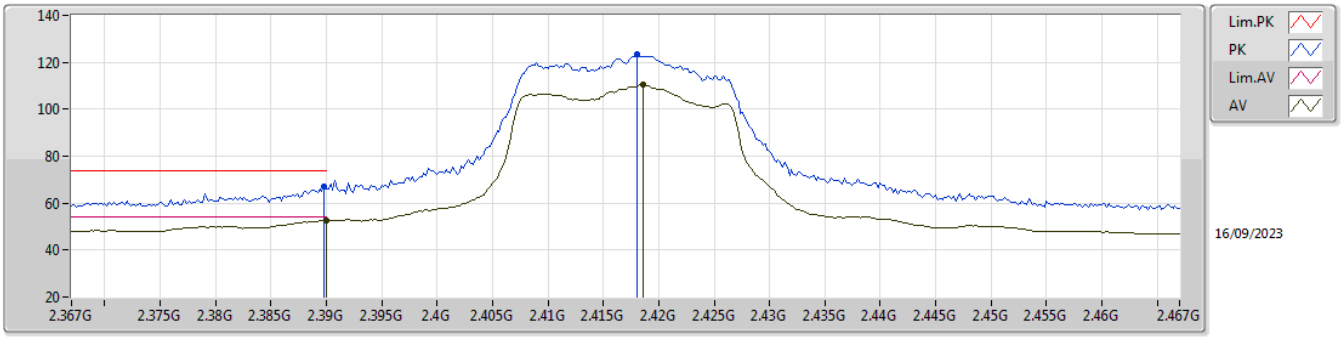


EUT Y_2TX
Setting 23
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3864G	66.31	74.00	-7.69	34.95	3	Vertical	240	1.80	-	27.77	3.59	-
AV	2.389G	53.22	54.00	-0.78	21.85	3	Vertical	240	1.80	-	27.78	3.59	-
PK	2.4162G	122.19	Inf	-Inf	90.75	3	Vertical	240	1.80	-	27.83	3.61	-
AV	2.4166G	108.45	Inf	-Inf	77.01	3	Vertical	240	1.80	-	27.83	3.61	-

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

2417MHz_TX

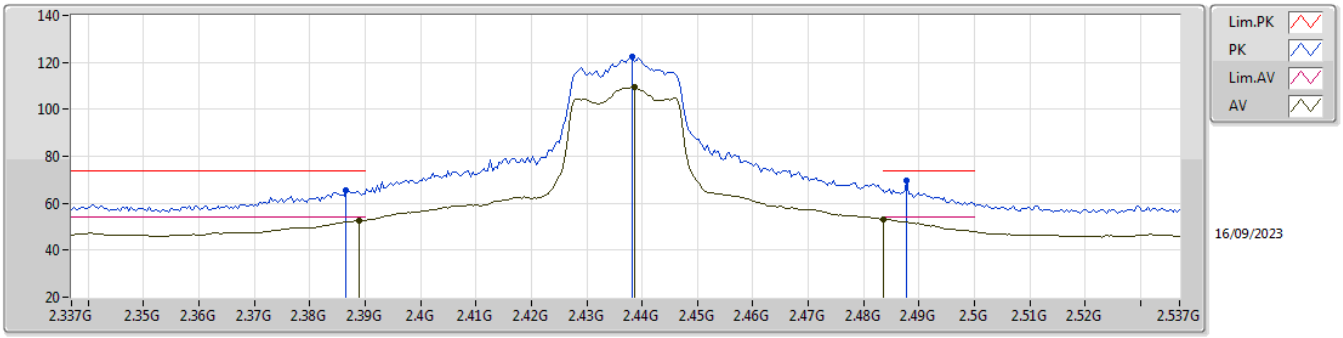


EUT Y_2TX
Setting 23
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	67.31	74.00	-6.69	35.94	3	Horizontal	110	2.48	-	27.78	3.59	-
AV	2.39G	52.66	54.00	-1.34	21.29	3	Horizontal	110	2.48	-	27.78	3.59	-
PK	2.418G	123.30	Inf	-Inf	91.85	3	Horizontal	110	2.48	-	27.84	3.61	-
AV	2.4186G	110.30	Inf	-Inf	78.85	3	Horizontal	110	2.48	-	27.84	3.61	-

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

2437MHz_TX

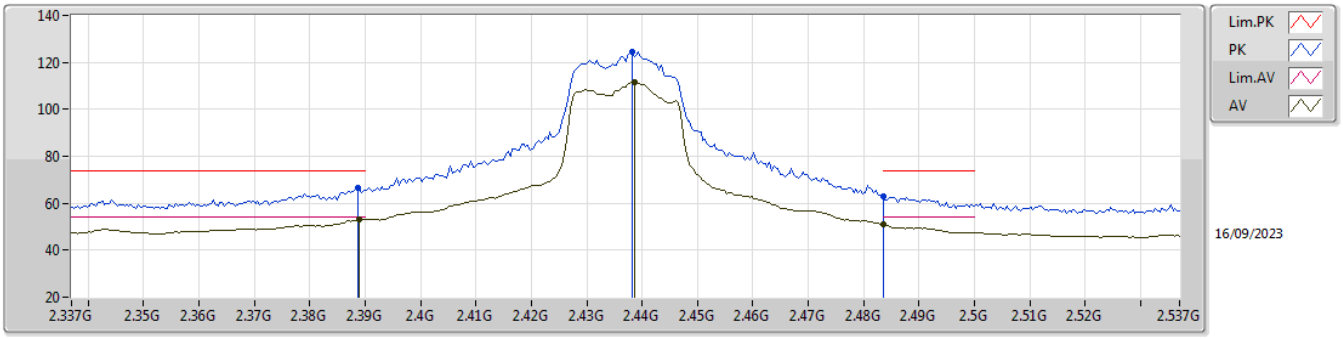


EUT Y_2TX
Setting 25
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3866G	65.44	74.00	-8.56	34.08	3	Vertical	251	1.55	-	27.77	3.59	-
AV	2.389G	52.64	54.00	-1.36	21.27	3	Vertical	251	1.55	-	27.78	3.59	-
PK	2.4382G	122.52	Inf	-Inf	91.02	3	Vertical	251	1.55	-	27.88	3.62	-
AV	2.4386G	109.70	Inf	-Inf	78.20	3	Vertical	251	1.55	-	27.88	3.62	-
PK	2.4878G	69.50	74.00	-4.50	37.73	3	Vertical	251	1.55	-	28.13	3.64	-
AV	2.4835G	53.23	54.00	-0.77	21.49	3	Vertical	251	1.55	-	28.10	3.64	-

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

2437MHz_TX

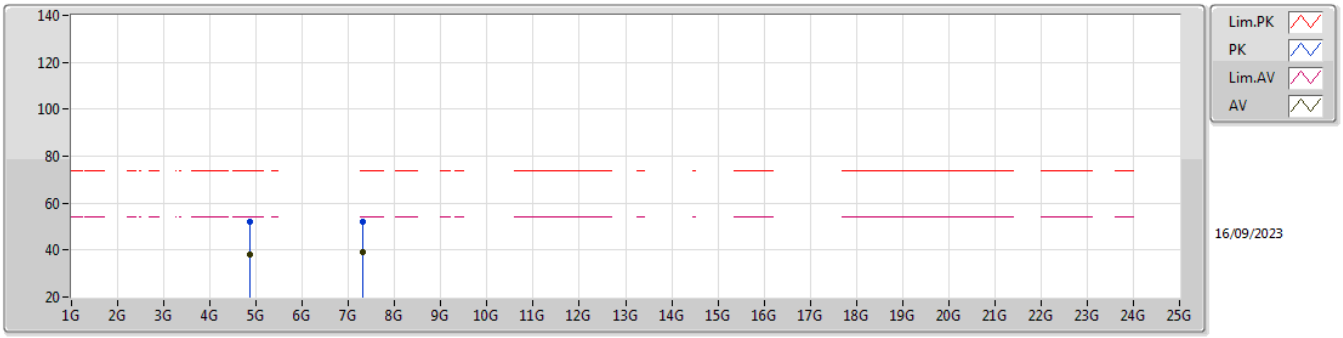


EUT Y_2TX
Setting 25
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	66.73	74.00	-7.27	35.36	3	Horizontal	109	2.22	-	27.78	3.59	-
AV	2.389G	53.13	54.00	-0.87	21.76	3	Horizontal	109	2.22	-	27.78	3.59	-
PK	2.4382G	124.43	Inf	-Inf	92.93	3	Horizontal	109	2.22	-	27.88	3.62	-
AV	2.4386G	111.52	Inf	-Inf	80.02	3	Horizontal	109	2.22	-	27.88	3.62	-
PK	2.4835G	62.95	74.00	-11.05	31.21	3	Horizontal	109	2.22	-	28.10	3.64	-
AV	2.4835G	50.86	54.00	-3.14	19.12	3	Horizontal	109	2.22	-	28.10	3.64	-

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

2437MHz_TX

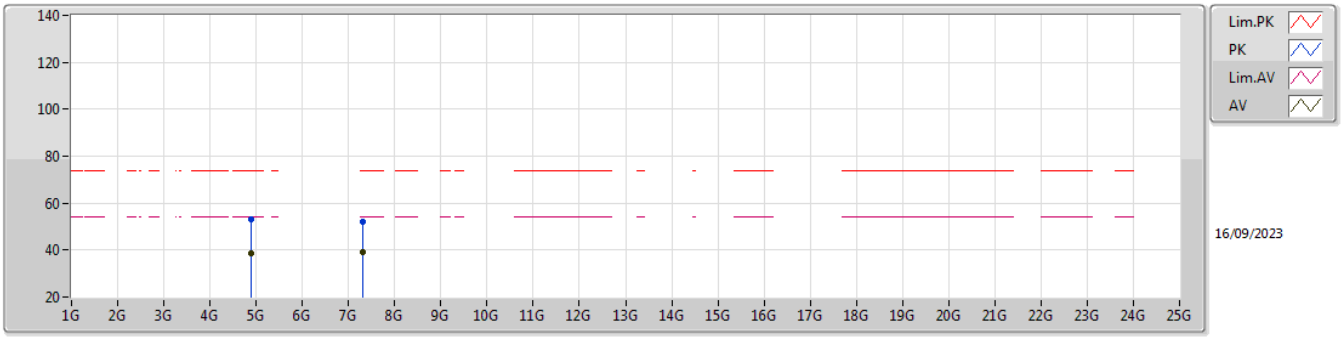


EUT Y_2TX
Setting 25
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.871778G	52.27	74.00	-21.73	46.46	3	Vertical	154	1.80	-	33.00	5.77	32.96
AV	4.874G	38.24	54.00	-15.76	32.43	3	Vertical	154	1.80	-	33.00	5.77	32.96
PK	7.31916G	52.29	74.00	-21.71	40.64	3	Vertical	5	1.55	-	37.60	7.16	33.11
AV	7.30956G	38.98	54.00	-15.02	27.33	3	Vertical	5	1.55	-	37.60	7.15	33.10

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

2437MHz_TX

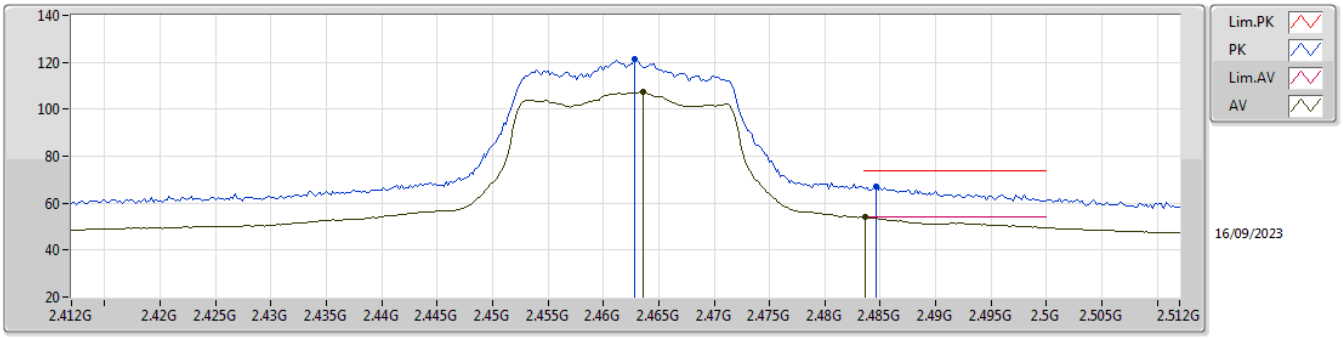


EUT Y_2TX
Setting 25
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87922G	52.91	74.00	-21.09	47.09	3	Horizontal	170	1.80	-	33.00	5.78	32.96
AV	4.87886G	38.52	54.00	-15.48	32.70	3	Horizontal	170	1.80	-	33.00	5.78	32.96
PK	7.32072G	52.05	74.00	-21.95	40.40	3	Horizontal	19	1.85	-	37.60	7.16	33.11
AV	7.31262G	38.98	54.00	-15.02	27.32	3	Horizontal	19	1.85	-	37.60	7.16	33.10

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

2462MHz_TX

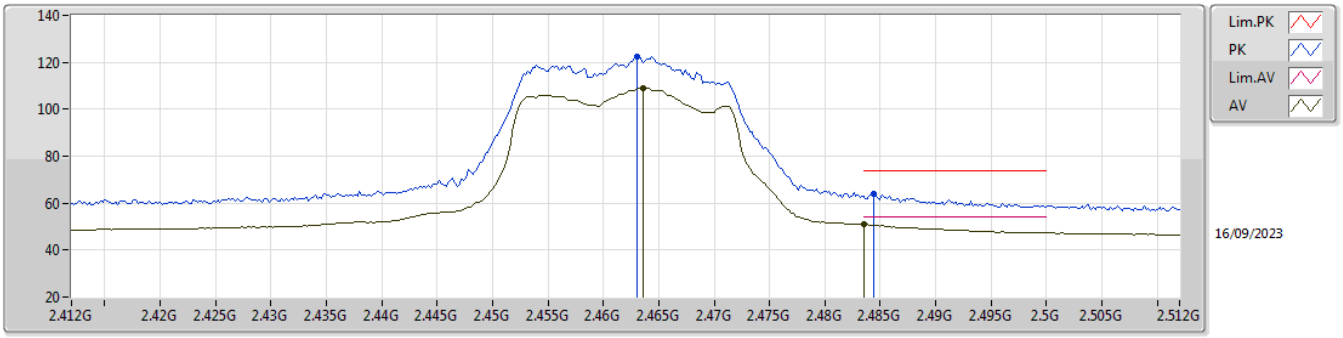


EUT Y_2TX
Setting 22.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4628G	121.53	Inf	-Inf	89.92	3	Vertical	247	1.79	-	27.98	3.63	-
AV	2.4636G	107.33	Inf	-Inf	75.72	3	Vertical	247	1.79	-	27.98	3.63	-
PK	2.4846G	66.87	74.00	-7.13	35.12	3	Vertical	247	1.79	-	28.11	3.64	-
AV	2.4836G	53.96	54.00	-0.04	22.22	3	Vertical	247	1.79	-	28.10	3.64	-

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

2462MHz_TX

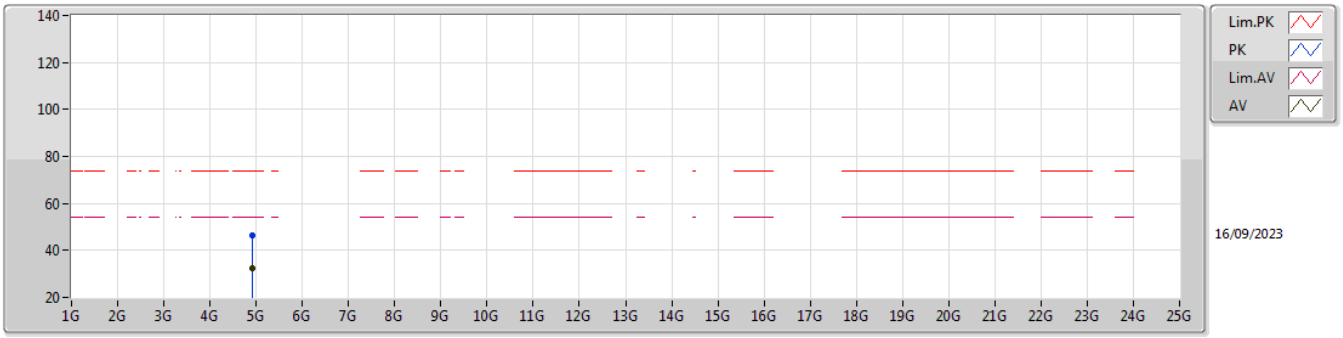


EUT Y_2TX
Setting 22.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	122.30	Inf	-Inf	90.69	3	Horizontal	112	2.37	-	27.98	3.63	-
AV	2.4636G	109.05	Inf	-Inf	77.44	3	Horizontal	112	2.37	-	27.98	3.63	-
PK	2.4844G	63.97	74.00	-10.03	32.22	3	Horizontal	112	2.37	-	28.11	3.64	-
AV	2.4835G	50.93	54.00	-3.07	19.19	3	Horizontal	112	2.37	-	28.10	3.64	-

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

2462MHz_TX

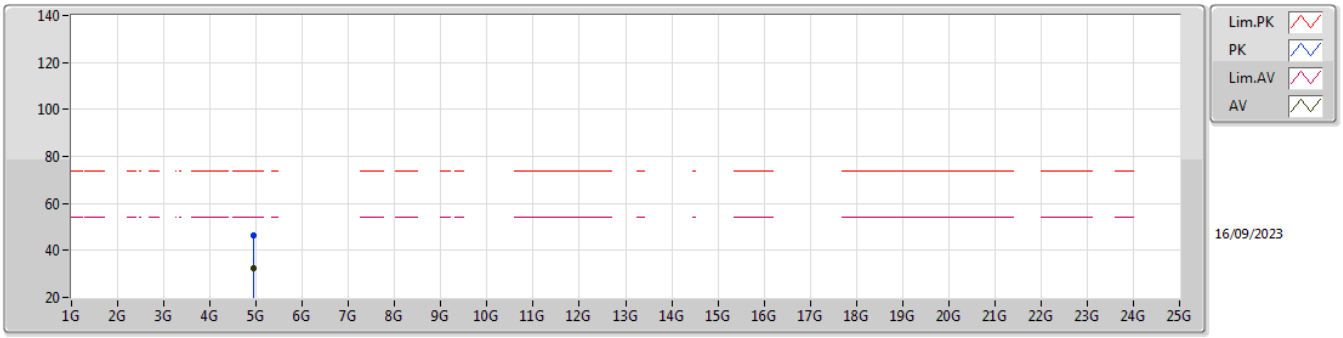


EUT Y_2TX
Setting 22.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91614G	46.60	74.00	-27.40	40.73	3	Vertical	313	2.58	-	33.00	5.82	32.95
AV	4.91876G	32.37	54.00	-21.63	26.50	3	Vertical	313	2.58	-	33.00	5.82	32.95

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

2462MHz_TX

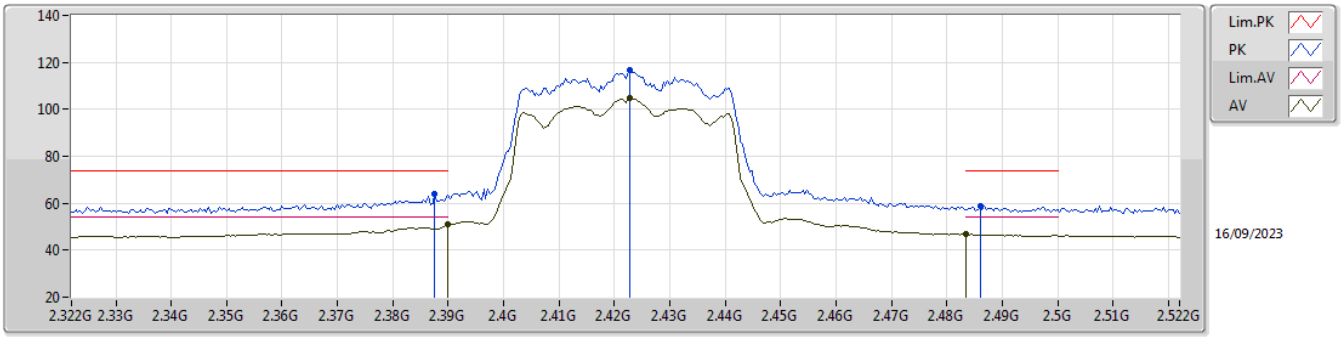


EUT Y_2TX
Setting 22.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.93414G	46.26	74.00	-27.74	40.37	3	Horizontal	358	2.39	-	33.00	5.83	32.94
AV	4.9351G	32.36	54.00	-21.64	26.46	3	Horizontal	358	2.39	-	33.00	5.84	32.94

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

2422MHz_TX

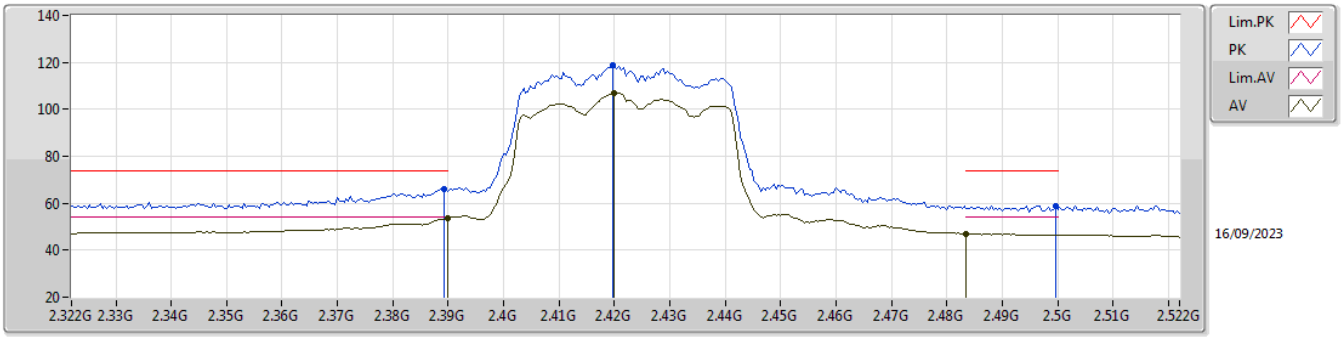


EUT Y_2TX
Setting 21.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3876G	63.86	74.00	-10.14	32.49	3	Vertical	360	1.80	-	27.78	3.59	-
AV	2.39G	50.79	54.00	-3.21	19.42	3	Vertical	360	1.80	-	27.78	3.59	-
PK	2.4228G	116.77	Inf	-Inf	85.31	3	Vertical	360	1.80	-	27.85	3.61	-
AV	2.4228G	104.61	Inf	-Inf	73.15	3	Vertical	360	1.80	-	27.85	3.61	-
PK	2.486G	58.77	74.00	-15.23	27.01	3	Vertical	360	1.80	-	28.12	3.64	-
AV	2.4835G	46.83	54.00	-7.17	15.09	3	Vertical	360	1.80	-	28.10	3.64	-

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

2422MHz_TX

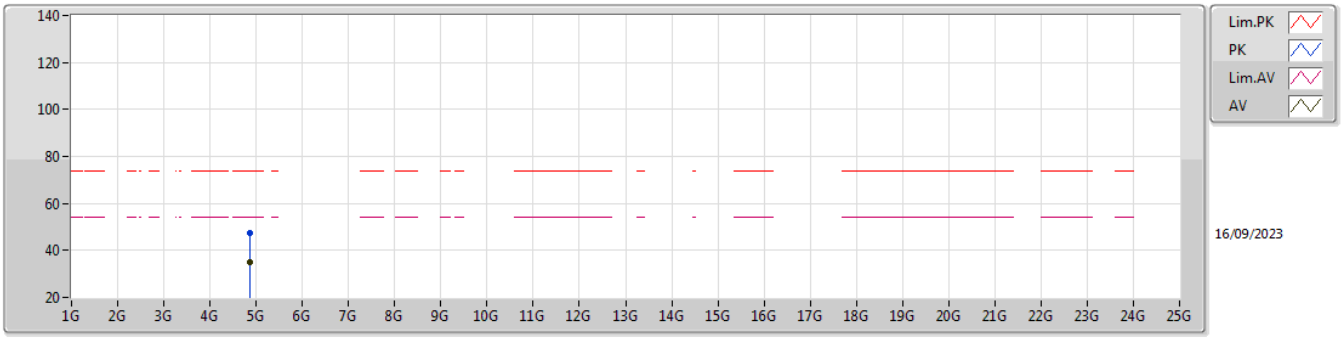


EUT Y_2TX
Setting 21.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	66.06	74.00	-7.94	34.69	3	Horizontal	111	2.18	-	27.78	3.59	-
AV	2.39G	53.69	54.00	-0.31	22.32	3	Horizontal	111	2.18	-	27.78	3.59	-
PK	2.4196G	118.99	Inf	-Inf	87.54	3	Horizontal	111	2.18	-	27.84	3.61	-
AV	2.42G	106.77	Inf	-Inf	75.32	3	Horizontal	111	2.18	-	27.84	3.61	-
PK	2.4996G	58.99	74.00	-15.01	27.14	3	Horizontal	111	2.18	-	28.20	3.65	-
AV	2.4835G	47.02	54.00	-6.98	15.28	3	Horizontal	111	2.18	-	28.10	3.64	-

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

2422MHz_TX

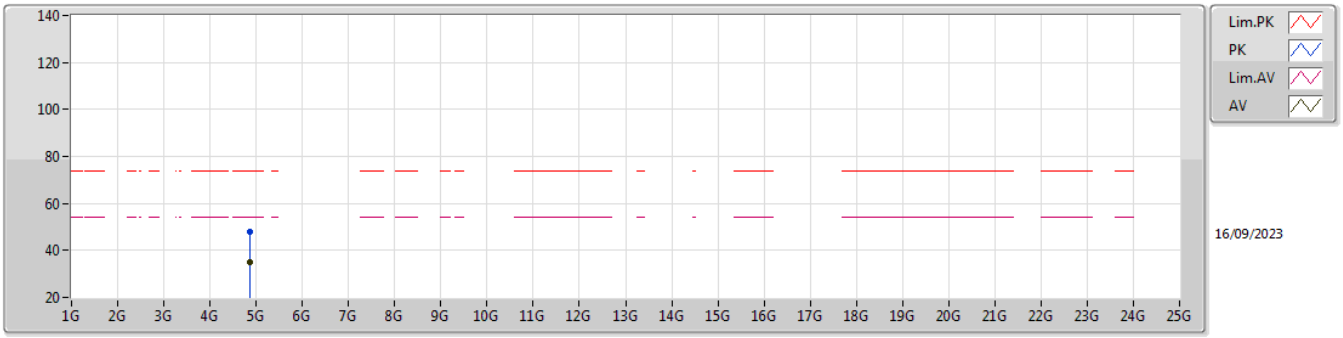


EUT Y_2TX
Setting 21.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.856G	47.42	74.00	-26.58	41.62	3	Vertical	213	1.44	-	33.00	5.76	32.96
AV	4.8562G	34.81	54.00	-19.19	29.01	3	Vertical	213	1.44	-	33.00	5.76	32.96

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

2422MHz_TX

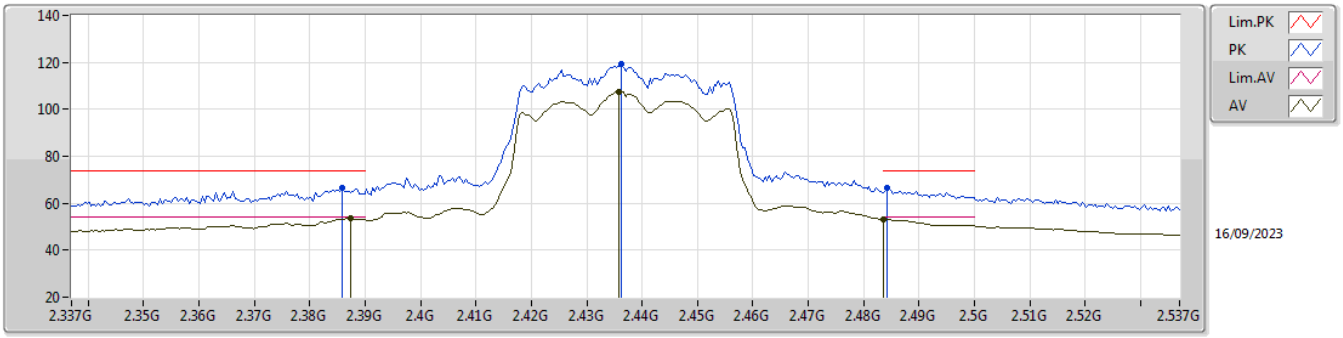


EUT Y_2TX
Setting 21.5
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8566G	47.87	74.00	-26.13	42.07	3	Horizontal	334	2.94	-	33.00	5.76	32.96
AV	4.85732G	34.77	54.00	-19.23	28.97	3	Horizontal	334	2.94	-	33.00	5.76	32.96

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

2437MHz_TX

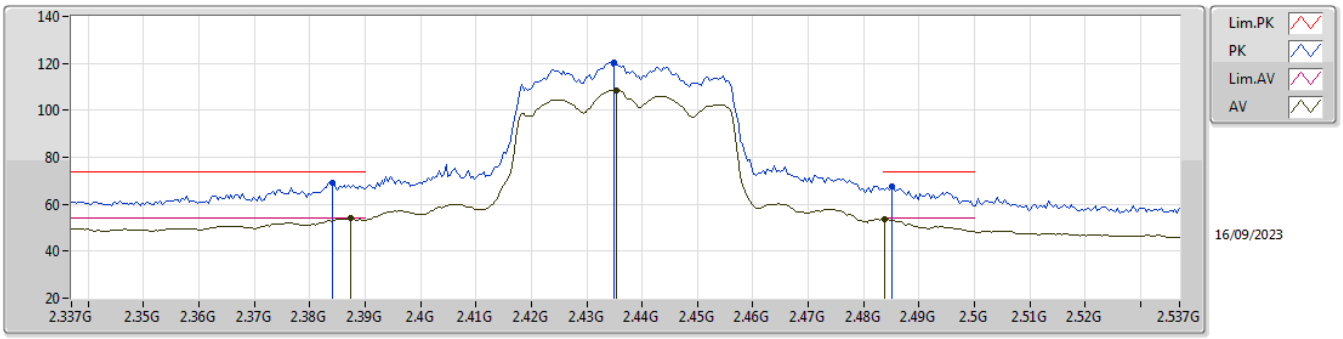


EUT Y_2TX
Setting 24
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3858G	66.50	74.00	-7.50	35.14	3	Vertical	7	2.06	-	27.77	3.59	-
AV	2.3874G	53.47	54.00	-0.53	22.11	3	Vertical	7	2.06	-	27.77	3.59	-
PK	2.4362G	119.36	Inf	-Inf	87.87	3	Vertical	7	2.06	-	27.87	3.62	-
AV	2.4358G	107.56	Inf	-Inf	76.07	3	Vertical	7	2.06	-	27.87	3.62	-
PK	2.4842G	66.38	74.00	-7.62	34.63	3	Vertical	7	2.06	-	28.11	3.64	-
AV	2.4835G	53.13	54.00	-0.87	21.39	3	Vertical	7	2.06	-	28.10	3.64	-

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

2437MHz_TX

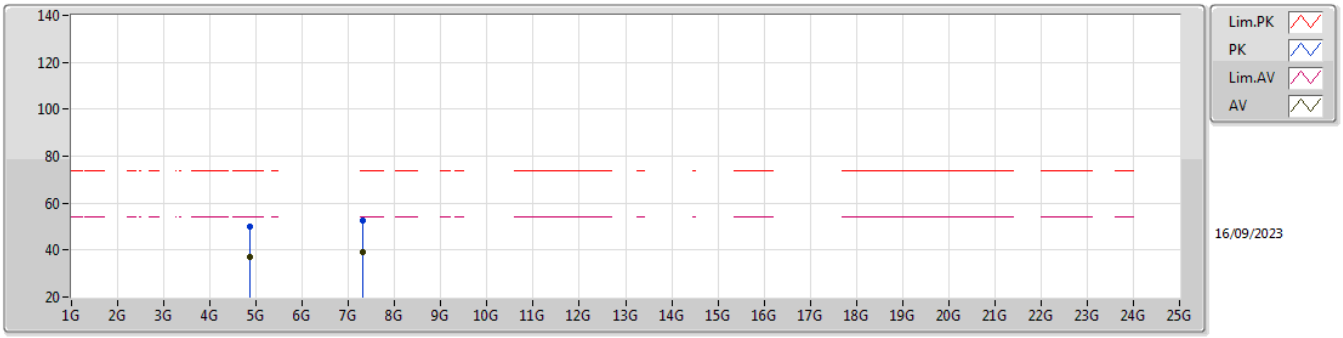


EUT Y_2TX
Setting 24
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3842G	69.31	74.00	-4.69	37.96	3	Horizontal	113	2.70	-	27.77	3.58	-
AV	2.3874G	53.98	54.00	-0.02	22.62	3	Horizontal	113	2.70	-	27.77	3.59	-
AV	2.4354G	108.54	Inf	-Inf	77.05	3	Horizontal	113	2.70	-	27.87	3.62	-
PK	2.435G	120.60	Inf	-Inf	89.11	3	Horizontal	113	2.70	-	27.87	3.62	-
AV	2.4838G	53.72	54.00	-0.28	21.98	3	Horizontal	113	2.70	-	28.10	3.64	-
PK	2.485G	67.80	74.00	-6.20	36.05	3	Horizontal	113	2.70	-	28.11	3.64	-

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

2437MHz_TX

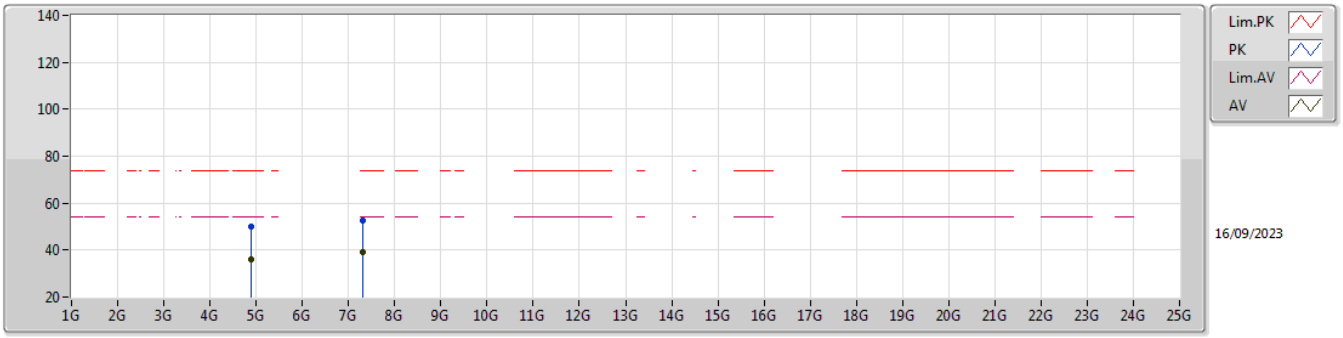


EUT Y_2TX
Setting 24
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86518G	49.96	74.00	-24.04	44.15	3	Vertical	133	1.47	-	33.00	5.77	32.96
AV	4.87568G	36.84	54.00	-17.16	31.02	3	Vertical	133	1.47	-	33.00	5.78	32.96
PK	7.31232G	52.43	74.00	-21.57	40.77	3	Vertical	147	1.80	-	37.60	7.16	33.10
AV	7.30464G	38.90	54.00	-15.10	27.25	3	Vertical	147	1.80	-	37.60	7.15	33.10

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

2437MHz_TX

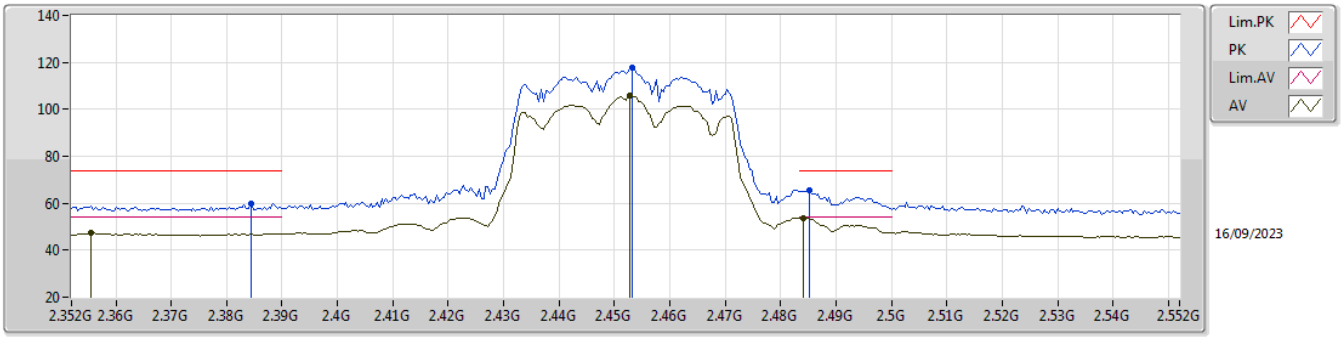


EUT Y_2TX
Setting 24
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87928G	49.78	74.00	-24.22	43.96	3	Horizontal	170	1.71	-	33.00	5.78	32.96
AV	4.87982G	35.92	54.00	-18.08	30.10	3	Horizontal	170	1.71	-	33.00	5.78	32.96
PK	7.31508G	52.51	74.00	-21.49	40.85	3	Horizontal	0	2.84	-	37.60	7.16	33.10
AV	7.30836G	38.93	54.00	-15.07	27.28	3	Horizontal	0	2.84	-	37.60	7.15	33.10

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

2452MHz_TX

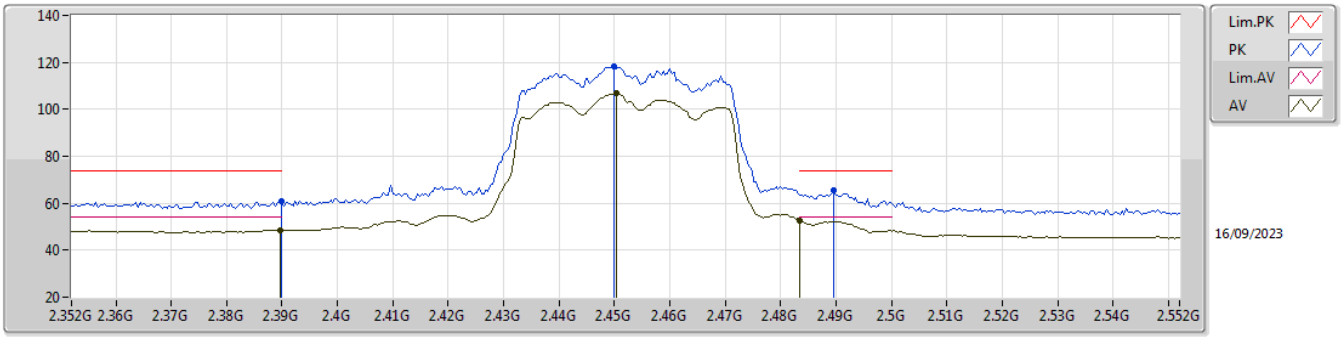


EUT Y_2TX
Setting 22
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3844G	59.84	74.00	-14.16	28.49	3	Vertical	295	1.80	-	27.77	3.58	-
AV	2.3556G	47.38	54.00	-6.62	16.11	3	Vertical	295	1.80	-	27.71	3.56	-
PK	2.4532G	117.95	Inf	-Inf	86.40	3	Vertical	295	1.80	-	27.92	3.63	-
AV	2.4528G	105.75	Inf	-Inf	74.20	3	Vertical	295	1.80	-	27.92	3.63	-
PK	2.4852G	65.28	74.00	-8.72	33.53	3	Vertical	295	1.80	-	28.11	3.64	-
AV	2.484G	53.64	54.00	-0.36	21.90	3	Vertical	295	1.80	-	28.10	3.64	-

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

2452MHz_TX

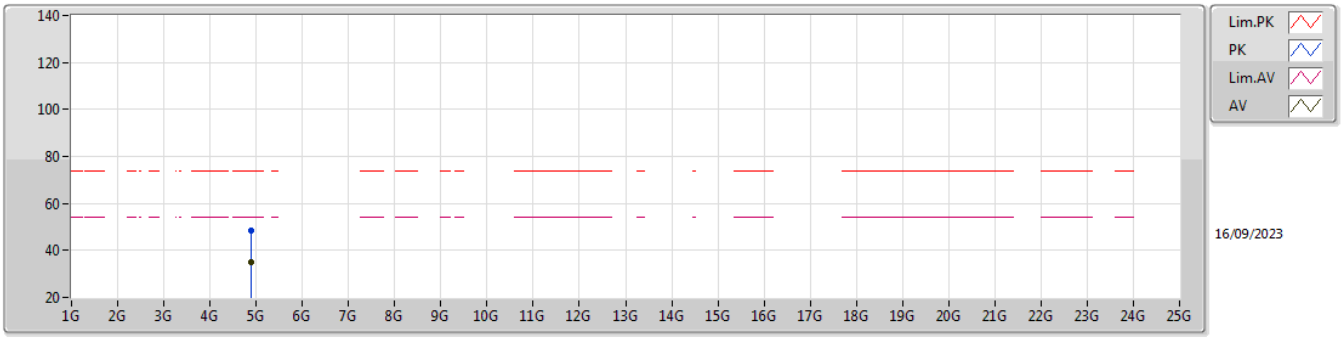


EUT Y_2TX
Setting 22
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	60.94	74.00	-13.06	29.57	3	Horizontal	113	2.40	-	27.78	3.59	-
AV	2.3896G	48.60	54.00	-5.40	17.23	3	Horizontal	113	2.40	-	27.78	3.59	-
PK	2.45G	118.06	Inf	-Inf	86.54	3	Horizontal	113	2.40	-	27.90	3.62	-
AV	2.4504G	106.77	Inf	-Inf	75.24	3	Horizontal	113	2.40	-	27.90	3.63	-
PK	2.4896G	65.77	74.00	-8.23	33.99	3	Horizontal	113	2.40	-	28.14	3.64	-
AV	2.4835G	52.71	54.00	-1.29	20.97	3	Horizontal	113	2.40	-	28.10	3.64	-

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

2452MHz_TX

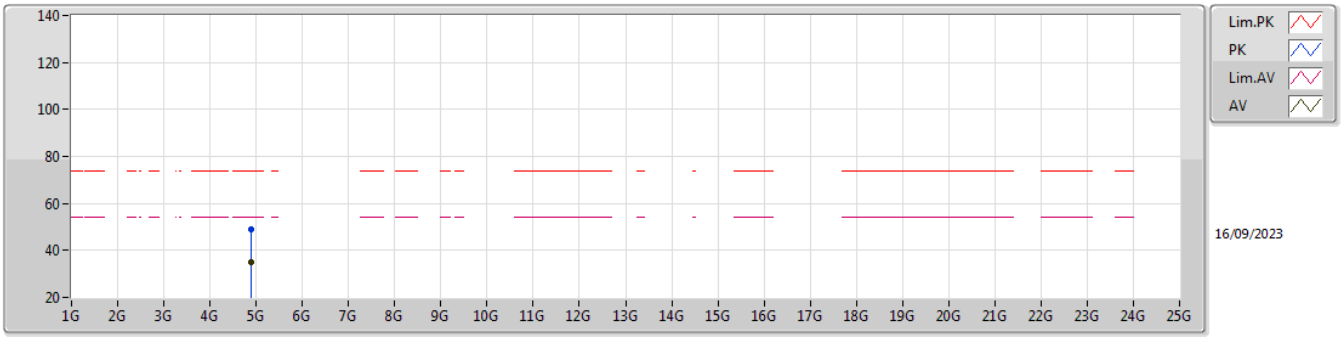


EUT Y_2TX
Setting 22
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.89458G	48.64	74.00	-25.36	42.80	3	Vertical	257	2.48	-	33.00	5.79	32.95
AV	4.89032G	35.17	54.00	-18.83	29.33	3	Vertical	257	2.48	-	33.00	5.79	32.95

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

2452MHz_TX



EUT Y_2TX
Setting 22
01-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.89224G	49.08	74.00	-24.92	43.24	3	Horizontal	337	1.56	-	33.00	5.79	32.95
AV	4.89314G	35.10	54.00	-18.90	29.26	3	Horizontal	337	1.56	-	33.00	5.79	32.95