Testing Laboratory
3787

RADIO TEST REPORT

FCC ID	:	2AYRA-03791
Equipment	:	Linksys Velop Micro-Router 6
Brand Name	:	LINKSYS
Model Name	:	LN1100, LN1110, LN1115
Applicant	:	Linksys USA, Inc. 121 Theory, Irvine, CA. 92617, USA
Standard	:	47 CFR FCC Part 15.247

The product was received on Aug. 10, 2023, and testing was started from Aug. 14, 2023 and completed on Sep. 26, 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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Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR380925AA	01	Initial issue of report	Nov. 29, 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: Cathy Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	802.11n HT40-BF	40	2TX
2.4-2.4835GHz	VHT40	40	2TX
2.4-2.4835GHz	VHT40-BF	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Galtronics	02102140-07935E1(DB1)	PCB Antenna	I-PEX	Note1
2	Galtronics	02102140-07935E2(DB2)	PCB Antenna	I-PEX	
3	Gemtek	WRTQ-388AX	Printed Antenna	N/A	

Note1:

Ant.	Port			Antenna Gain (dBi)					
				WLAN 2.4GHz	WLAN 5GHz				Bluetooth
	2.4GHz	5GHz	Bluetooth		UNII 1	UNII 2A	UNII 2C	UNII 3	
1	2	1	-	4.69	3.86	3.86	4.05	4.05	-
2	1	2	-	4.69	4.88	5.01	4.88	4.89	-
3	-	-	1	-	-	-	-	-	2.86

Note2: The above information was declared by manufacturer.

Note3: Directional gain information

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

Ex.

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

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

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

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

Where ;

2.4G G1= 4.69 dBi ;G2= 4.69 dBi ;

5G UNII-1 G1 = 3.86 dBi; G2 = 4.88 dBi;

5G UNII-2A G1 = 3.86 dBi; G2 = 5.01 dBi;

5G UNII-2C G1 = 4.05 dBi; G2 = 4.88 dBi;

5G UNII-3 G1 = 4.05 dBi; G2 = 4.89 dBi;

2.4G DG = 7.70 dBi

5G UNII-1 DG = 7.40 dBi

5G UNII-2A DG = 7.46 dBi

5G UNII-2C DG = 7.49 dB

5G UNII-3 DG = 7.49 dBi

For 2.4GHz function:
For IEEE 802**.11b/g/n/VHT/ax (2TX/2RX):**
Port 1 and Port 2 can be used as transmitting/receiving antenna.
Port 1 and Port 2 could transmit/receive simultaneously.

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

For Bluetooth function (1TX/1RX):
Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.861	0.65	690u	3k
802.11g	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	0.972	0.12	5.13m	300
802.11ax HEW20-BF	0.966	0.15	3.88m	300
802.11ax HEW40	0.978	0.1	5.295m	300
802.11ax HEW40-BF	0.969	0.14	3.88m	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
	The product has beamforming function for 11n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	For Non-beamforming mode: QPSR Version 5.0-00202 For Beamforming mode: Tera Term Version 4.75			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Model Name	Description
LN1100	All the models are identical, the difference model served as marketing strategy.
LN1110	
LN1115	

Note 1: From the above models, model: LN110 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.1.6 Table for EUT support function

Function
AP Router
Mesh

Note1: For above table list, only AP Router mode was tested and recorded in this test.
Note2: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	24.3-25.2 / 56-67	Aug. 21, 2023~ Sep. 26, 2023
Radiated (Below 1GHz / Co-location)	03CH04-CB	Roy Mai	23-24 / 56-59	Aug. 15, 2023~ Sep. 21, 2023
Radiated (Above 1GHz)	03CH03-CB	Roy Mai	22.7-23.8 / 56-59	Aug. 15, 2023~ Sep. 21, 2023
	03CH04-CB	Roy Mai	23-24 / 56-59	Aug. 15, 2023~ Sep. 21, 2023
AC Conduction	CO01-CB	Ryan Huang	21~22 / 61~62	Aug. 14, 2023~ Aug. 28, 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	17
2437MHz	17
2462MHz	17
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	17
2437MHz	19.5
2462MHz	17.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	17
2417MHz	18.5
2437MHz	20.5
2457MHz	18.5
2462MHz	17
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	15.5
2437MHz	17.5
2452MHz	16
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-
2412MHz	16
2417MHz	16
2437MHz	19
2457MHz	17
2462MHz	16
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-
2422MHz	16
2437MHz	17
2452MHz	15

Note:
- Evaluated HEW20/HEW40 mode only, due to similar modulation. The power setting of HT20/HT40/ VHT20/VHT40 mode are the same or lower than HEW20/HEW40.
- The beamforming mode supports MCS3~9 for VHT and MCS3~11 for ax in 2.4GHz.

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 + Adapter 1
2	EUT + Adapter 2
3	EUT + Adapter 3
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
For WLAN 2.4GHz/5GHz: After evaluating, the worst case was found at Y axis from Emissions in Restricted Frequency Bands above 1GHz. So the measurement will follow this same test configuration. For Bluetooth: After evaluating, the worst case was found at Z axis from Emissions in Restricted Frequency Bands above 1GHz. So the measurement will follow this same test configuration.	
1	EUT in Y axis + WLAN 2.4GHz + Adapter 1
2	EUT in Y axis + WLAN 2.4GHz + Adapter 2
3	EUT in Y axis + WLAN 2.4GHz + Adapter 3
Mode 3 has been evaluated to be the worst case among Mode 1 ~ 3, thus measurement for Mode 4 ~ 5 will follow this same test mode.	
4	EUT in Y axis + WLAN 5GHz + Adapter 3
5	EUT in Z axis + Bluetooth + Adapter 3
For operating mode 3 is the worst case and it was record in this test report.	

Operating Mode > 1GHz	CTX
After evaluating, the worst case was found at Y axis, thus the measurement will follow this same test configuration.	
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
After evaluating, the worst case was found at Y axis from Emissions in Restricted Frequency Bands above 1GHz. So the measurement will follow this same test configuration.	
1	EUT in Y axis + WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + Bluetooth
Refer to Sporton Test Report No.: FA380925 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.
The program was executed as follows:
1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Tera Term Version 4.75.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Client and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter 1	Ktec	KSA-18W-120150VU	INPUT: 100-240V ~ 50/60Hz, 0.5A OUTPUT: 12V, 1.5A
Adapter 2	MOSO	MS-V1500R120-018H0-US	INPUT: 100-240V ~ 50/60Hz, 0.6A, max. OUTPUT: 12.0V, 1.5A
Adapter 3	Ktec	KSA-18W-120150D5	INPUT: 100-240V ~ 50/60Hz, 0.5A OUTPUT: 12.0V, 1.5A, 18.0W
Others			
RJ-45 cable 1*1, non-shielded, 1m (Black)			
RJ-45 cable 2*1, non-shielded, 1m (White)			
Plug*1 (Only for adapter 3 use)			

Note: From the above, RJ-45 cable 2 was selected as representative cable for the test and its data was recorded in this report.

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	WAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	Smart Phone	Samsung	Galaxy J2	N/A

For Radiated (below 1GHz), Radiated (above 1GHz) / Non-beamforming mode and RF Conducted / Non-beamforming mode:

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

For Radiated (above 1GHz) / Beamforming mode:

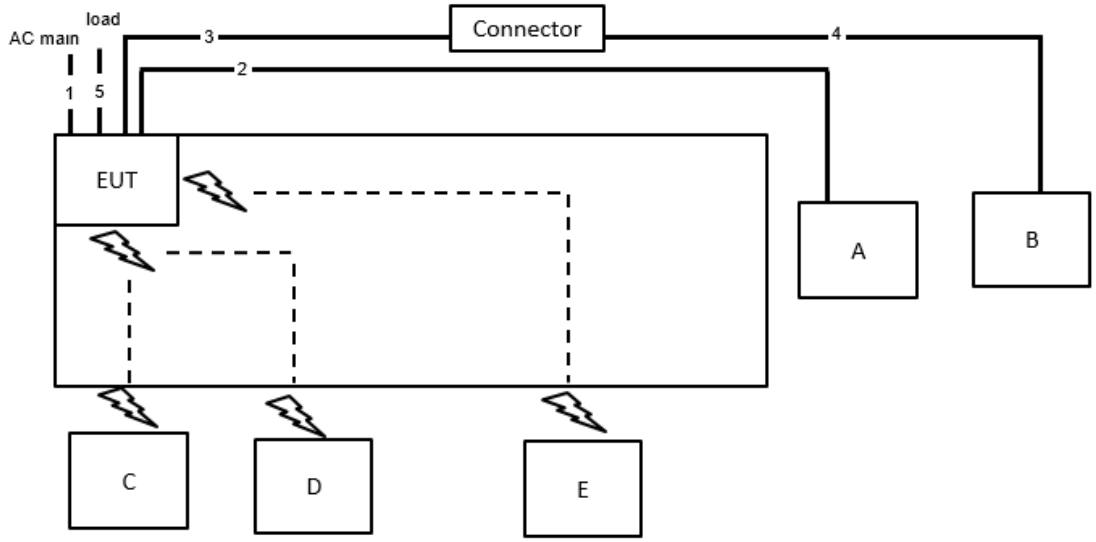
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	Client	Linksys	ELM	N/A
C	NB	DELL	E4300	N/A

For RF Conducted / Beamforming mode:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	Client	Linksys	ELM	N/A

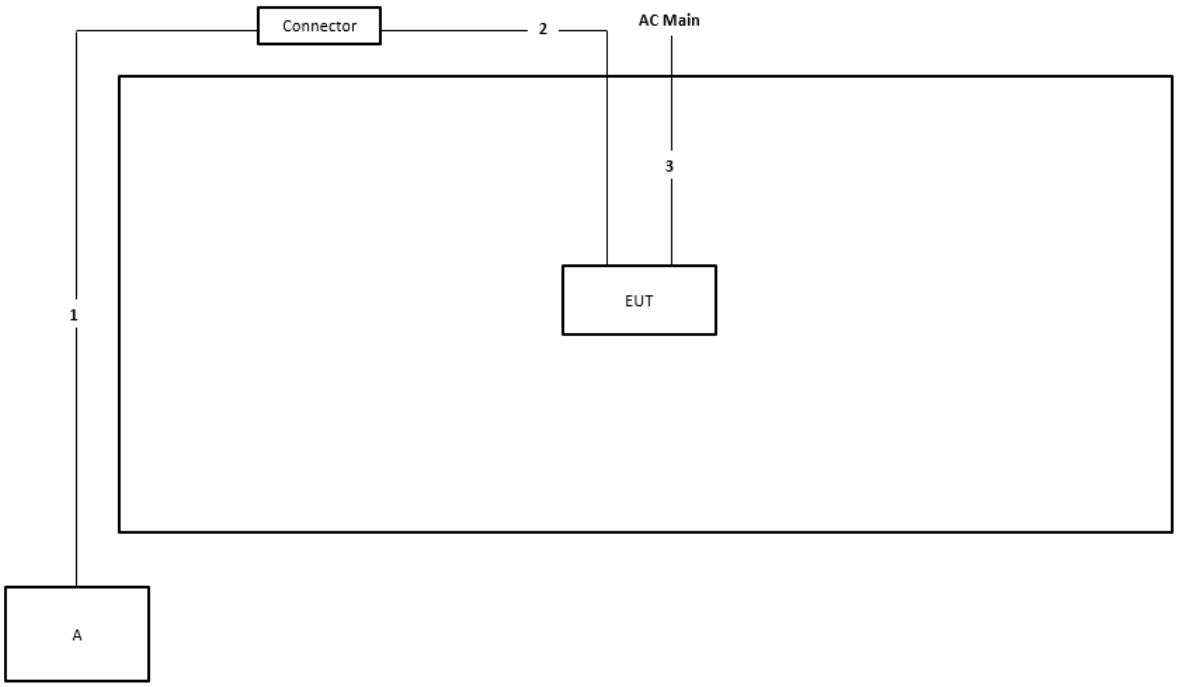
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



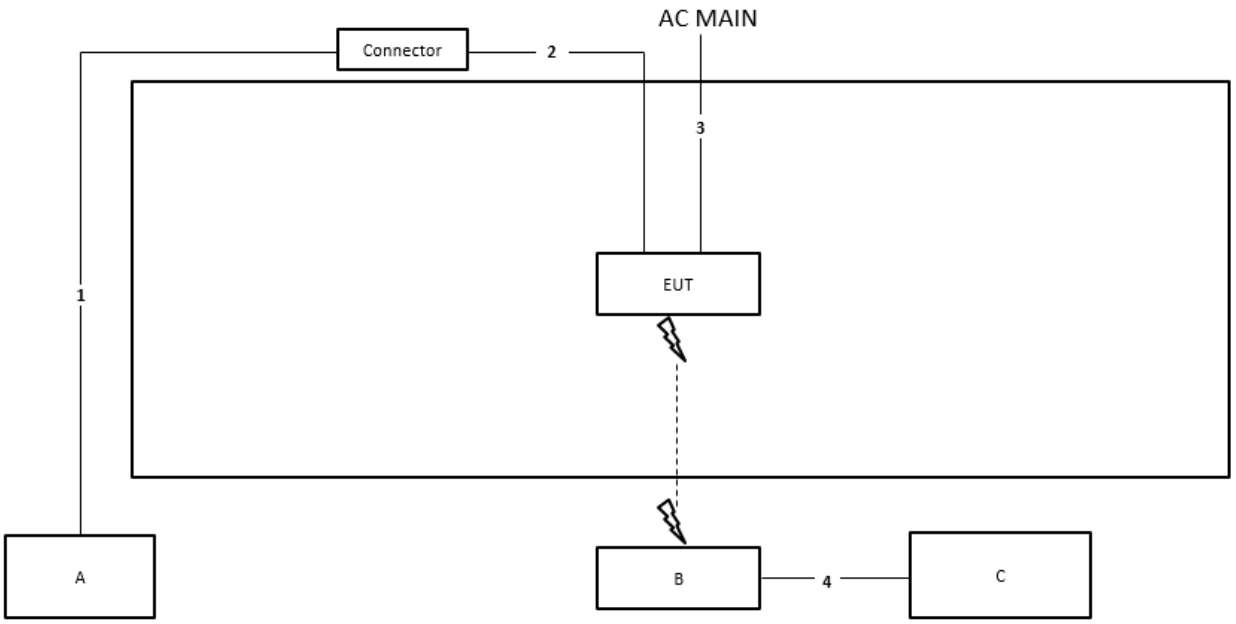
Item	Connection	Shielded	Length
1	Power Cable	No	1.6m
2	RJ-45 Cable	No	10m
3	RJ-45 Cable	No	1m
4	RJ-45 Cable	No	10m
5	RJ-45 Cable*3	No	1.5m

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



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1m
3	Power Cable	No	1.6m

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



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1m
3	Power cable	No	1.6m
4	RJ-45 cable	No	10m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

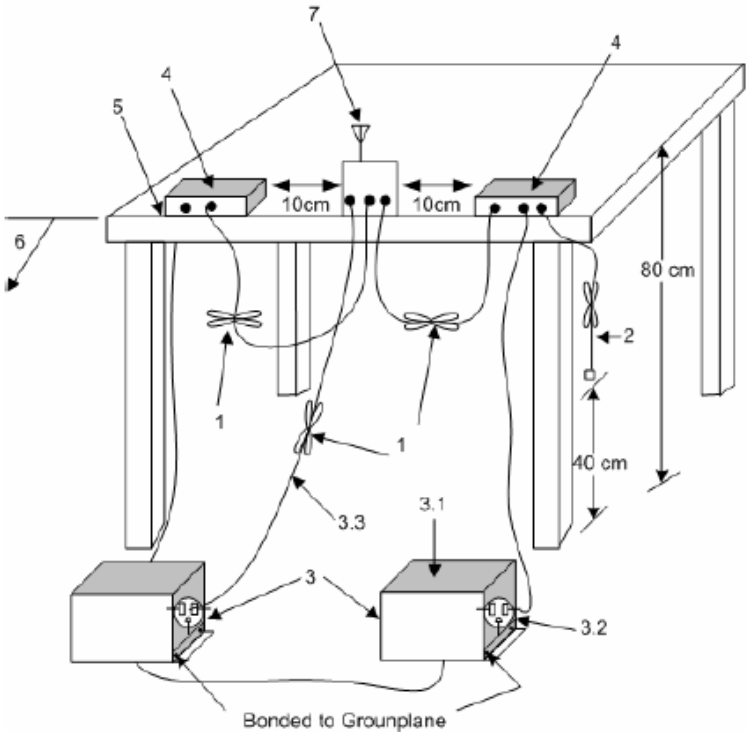
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

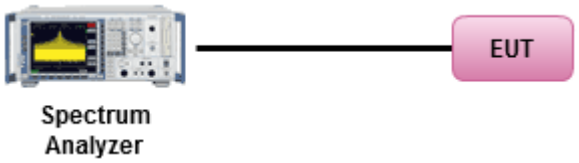
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)	
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm	
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
	▪ Smart antenna system (SAS):	
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.		

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)

3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

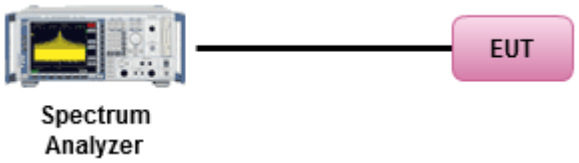
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).		
	☒ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dBc)**
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

3.5.2 Measuring Instruments

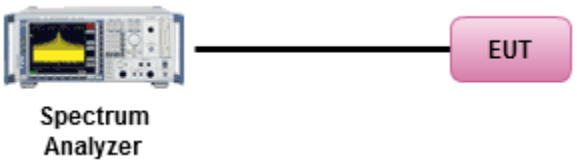
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

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

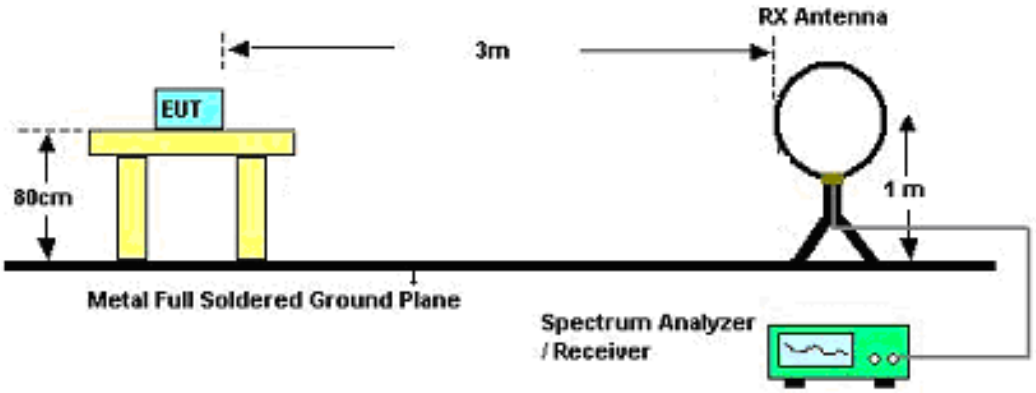
3.6.3 Test Procedures

Test Method			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.		
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.		
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.		
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).		
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB		
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.		

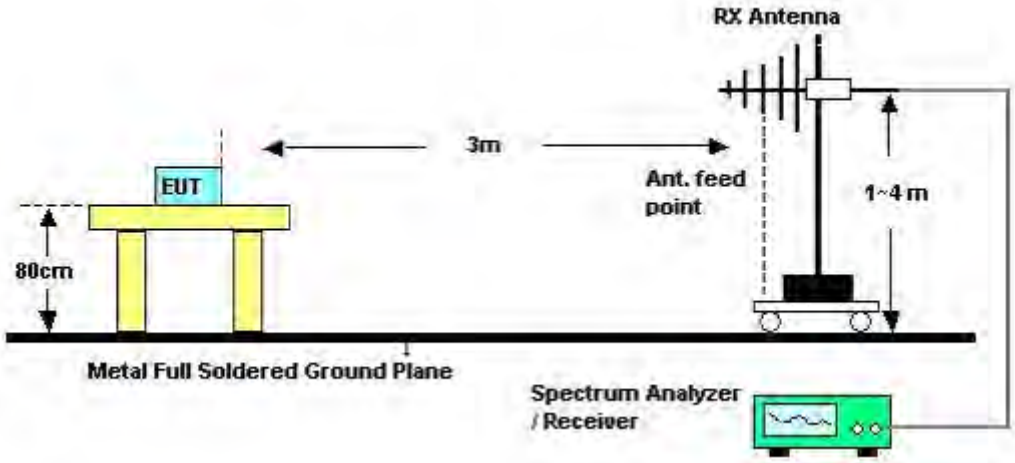
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

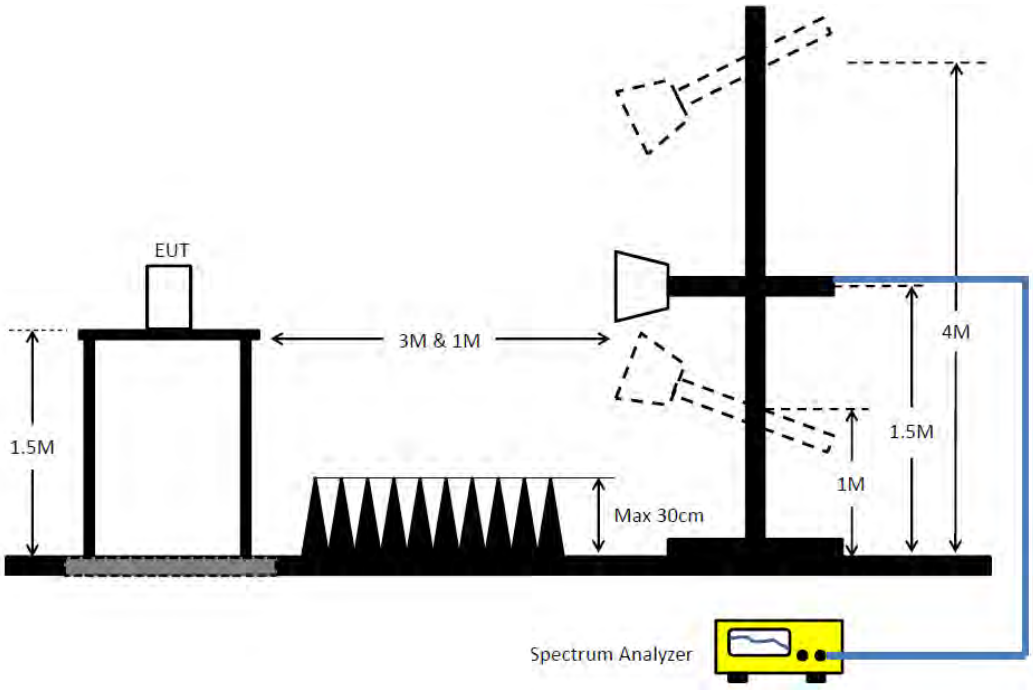
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30 MHz ~ 1 GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 23, 2023	Feb. 22, 2024	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N0607	30MHz ~ 1GHz	Oct. 08, 2022	Oct. 07, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS·Lindgren	3115	00143147	750MHz~18GHz	Oct. 12, 2022	Oct. 11, 2023	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH04-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 23, 2023	May 22, 2024	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 21, 2023	Mar. 20, 2024	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz – 1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 04, 2023	May 03, 2024	Radiation (03CH03-CB)
Horn Antenna	ETS·Lindgren	3115	6821	750MHz~18GHz	Feb. 03, 2023	Feb. 02, 2024	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 12, 2023	Jun. 11, 2024	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 30, 2022	Dec. 29, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~40GHz	Aug. 01, 2023	Jul. 31, 2024	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1728002	300MHz~40GHz	Aug. 01, 2023	Jul. 31, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz –18 GHz	Feb. 14, 2023	Feb. 13, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz –18 GHz	Feb. 14, 2023	Feb. 13, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz –18 GHz	Feb. 14, 2023	Feb. 13, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)

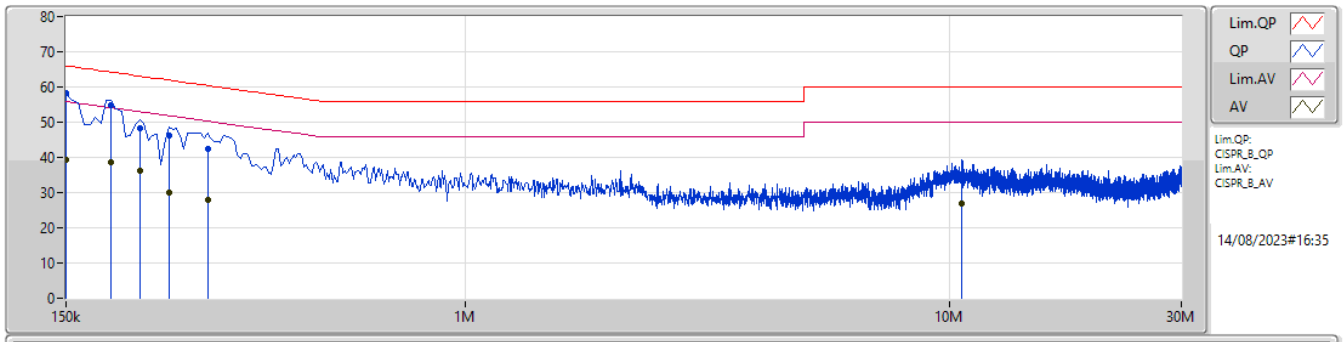
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

Summary

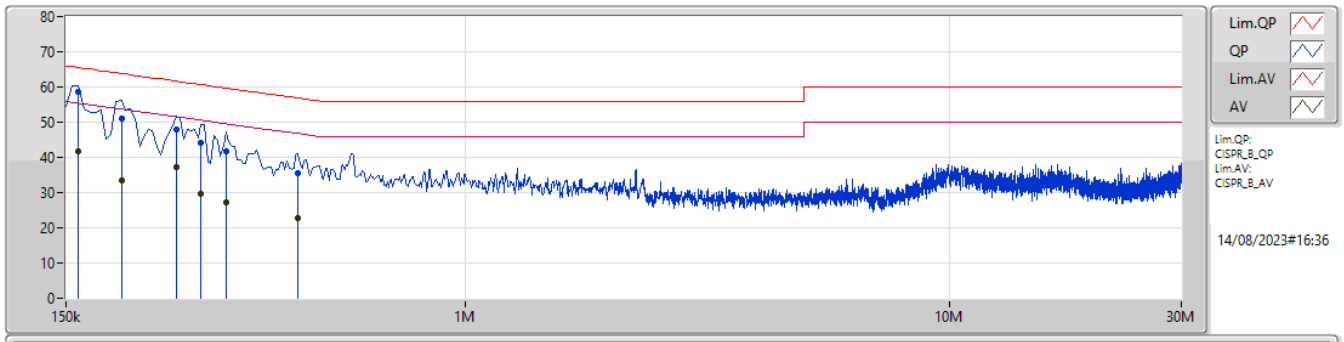
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	QP	159k	58.53	65.52	-6.99	Neutral

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	58.12	66.00	-7.88	10.00	Line	"Worst"	48.12	0.09	0.04	9.87
AV	150k	39.32	56.00	-16.68	10.00	Line	-	29.32	0.09	0.04	9.87
QP	186k	54.88	64.20	-9.32	9.98	Line	-	44.90	0.08	0.04	9.86
AV	186k	38.56	54.20	-15.64	9.98	Line	-	28.58	0.08	0.04	9.86
QP	213k	48.32	63.09	-14.77	9.98	Line	-	38.34	0.08	0.04	9.86
AV	213k	36.18	53.09	-16.91	9.98	Line	-	26.20	0.08	0.04	9.86
QP	244.5k	46.22	61.95	-15.73	10.00	Line	-	36.22	0.08	0.05	9.87
AV	244.5k	30.00	51.95	-21.95	10.00	Line	-	20.00	0.08	0.05	9.87
QP	294k	42.36	60.42	-18.06	10.02	Line	-	32.34	0.09	0.05	9.88
AV	294k	27.88	50.42	-22.54	10.02	Line	-	17.86	0.09	0.05	9.88
QP	10.595M	33.38	60.00	-26.62	10.36	Line	-	23.02	0.25	0.16	9.95
AV	10.595M	26.74	50.00	-23.26	10.36	Line	-	16.38	0.25	0.16	9.95

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	58.53	65.52	-6.99	9.98	Neutral	"Worst"	48.55	0.07	0.04	9.87
AV	159k	41.64	55.52	-13.88	9.98	Neutral	-	31.66	0.07	0.04	9.87
QP	195k	51.13	63.82	-12.69	9.97	Neutral	-	41.16	0.07	0.04	9.86
AV	195k	33.53	53.82	-20.29	9.97	Neutral	-	23.56	0.07	0.04	9.86
QP	253.5k	48.02	61.64	-13.62	9.99	Neutral	-	38.03	0.07	0.05	9.87
AV	253.5k	37.20	51.64	-14.44	9.99	Neutral	-	27.21	0.07	0.05	9.87
QP	285k	44.26	60.67	-16.41	10.00	Neutral	-	34.26	0.07	0.05	9.88
AV	285k	29.64	50.67	-21.03	10.00	Neutral	-	19.64	0.07	0.05	9.88
QP	321k	41.68	59.67	-17.99	10.01	Neutral	-	31.67	0.07	0.05	9.89
AV	321k	27.15	49.67	-22.52	10.01	Neutral	-	17.14	0.07	0.05	9.89
QP	451.5k	35.59	56.84	-21.25	10.03	Neutral	-	25.56	0.07	0.06	9.90
AV	451.5k	22.77	46.84	-24.07	10.03	Neutral	-	12.74	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	8.025M	13.103M	13M1G1D	7.75M	13.028M
802.11g_Nss1,(6Mbps)_2TX	15.05M	16.25M	16M3D1D	13.775M	16.206M
802.11ax HEW20_Nss1,(MCS0)_2TX	16.375M	19.065M	19M1D1D	12.575M	18.791M
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	17.825M	18.941M	18M9D1D	11.7M	18.816M
802.11ax HEW40_Nss1,(MCS0)_2TX	36.15M	37.531M	37M5D1D	28.1M	37.481M
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	37.55M	39.88M	39M9D1D	3.8M	37.281M

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

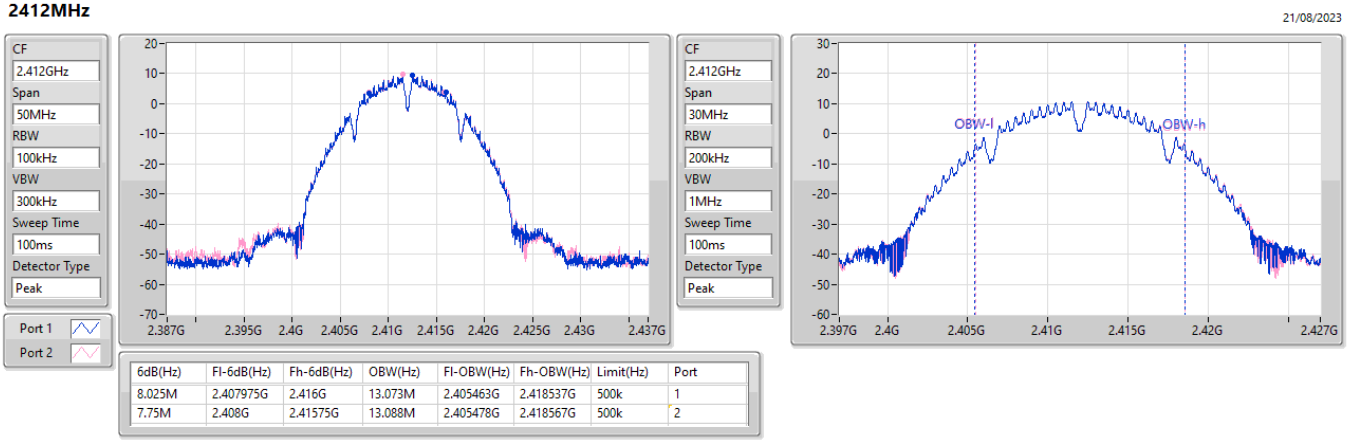
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.025M	13.073M	7.75M	13.088M
2437MHz	Pass	500k	8M	13.043M	8.025M	13.103M
2462MHz	Pass	500k	8.025M	13.028M	8.025M	13.073M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	13.775M	16.25M	15.025M	16.206M
2437MHz	Pass	500k	15.025M	16.25M	15.05M	16.25M
2462MHz	Pass	500k	14.975M	16.25M	13.775M	16.228M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	13.725M	18.791M	13.825M	18.791M
2437MHz	Pass	500k	16.375M	18.891M	13.8M	19.065M
2462MHz	Pass	500k	12.575M	18.791M	13.85M	18.791M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	33.85M	37.531M	32.25M	37.481M
2437MHz	Pass	500k	28.1M	37.481M	32.5M	37.531M
2452MHz	Pass	500k	34.9M	37.531M	36.15M	37.481M
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	11.7M	18.941M	15.675M	18.891M
2437MHz	Pass	500k	15.9M	18.891M	17.575M	18.916M
2462MHz	Pass	500k	13.725M	18.941M	17.825M	18.816M
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.55M	37.731M	25.75M	37.531M
2437MHz	Pass	500k	15.25M	37.581M	35.6M	39.88M
2452MHz	Pass	500k	3.8M	37.281M	35M	37.531M

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**

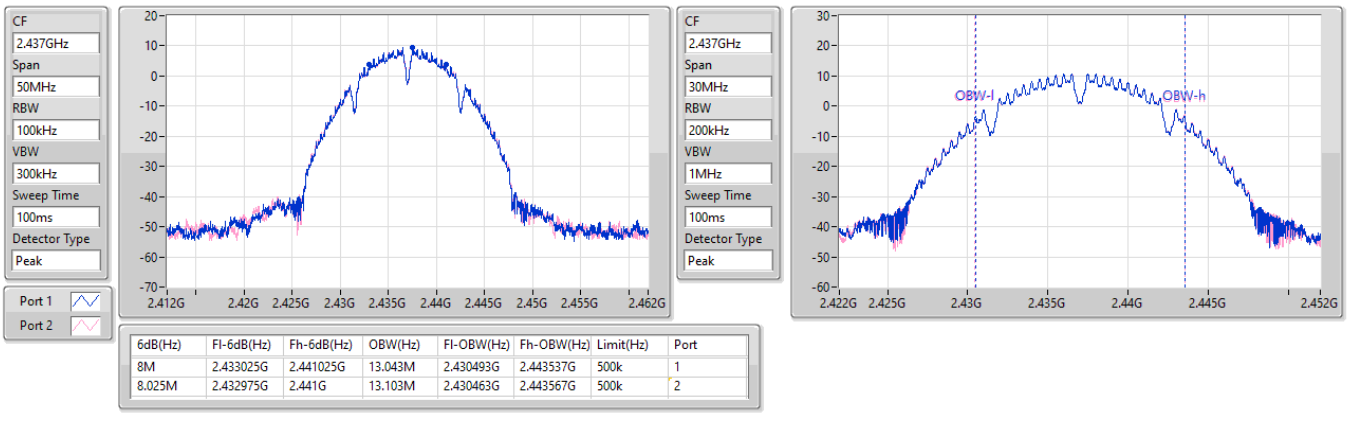
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.407975G	2.416G	13.073M	2.405463G	2.418537G	500k	1
7.75M	2.408G	2.41575G	13.088M	2.405478G	2.418567G	500k	2

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

2437MHz

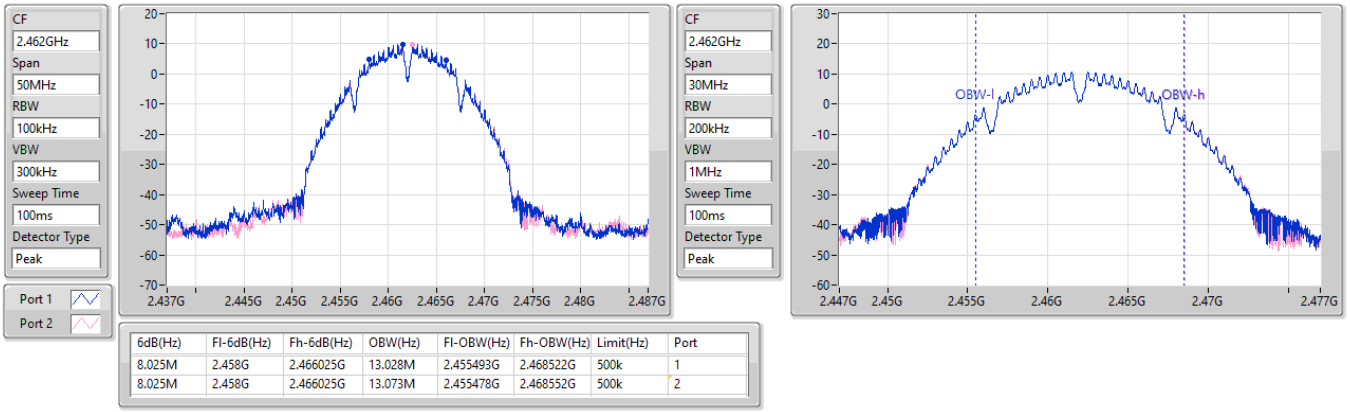


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8M	2.433025G	2.441025G	13.043M	2.430493G	2.443537G	500k	1
8.025M	2.432975G	2.441G	13.103M	2.430463G	2.443567G	500k	2

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

2462MHz

21/08/2023

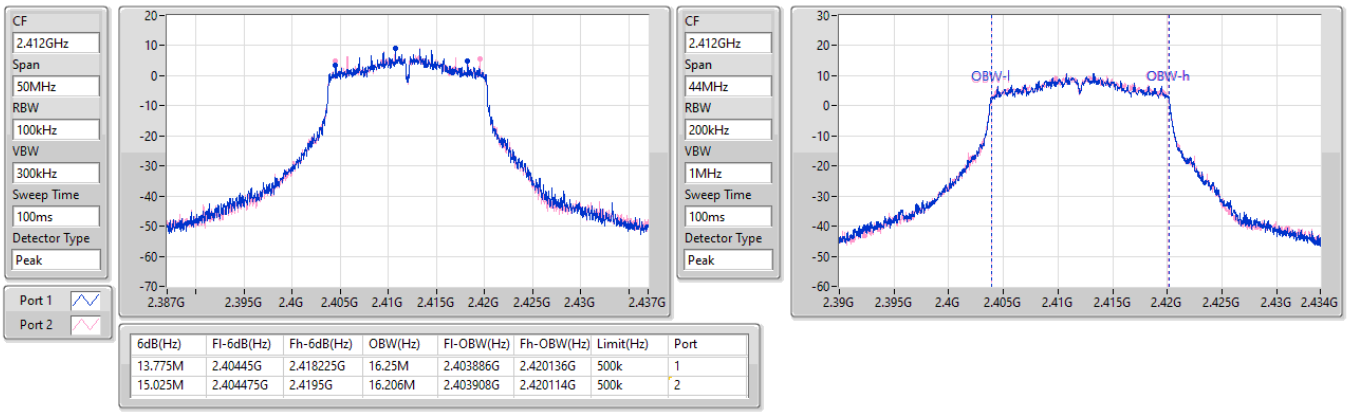


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.458G	2.466025G	13.028M	2.455493G	2.468522G	500k	1
8.025M	2.458G	2.466025G	13.073M	2.455478G	2.468552G	500k	2

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

2412MHz

21/08/2023

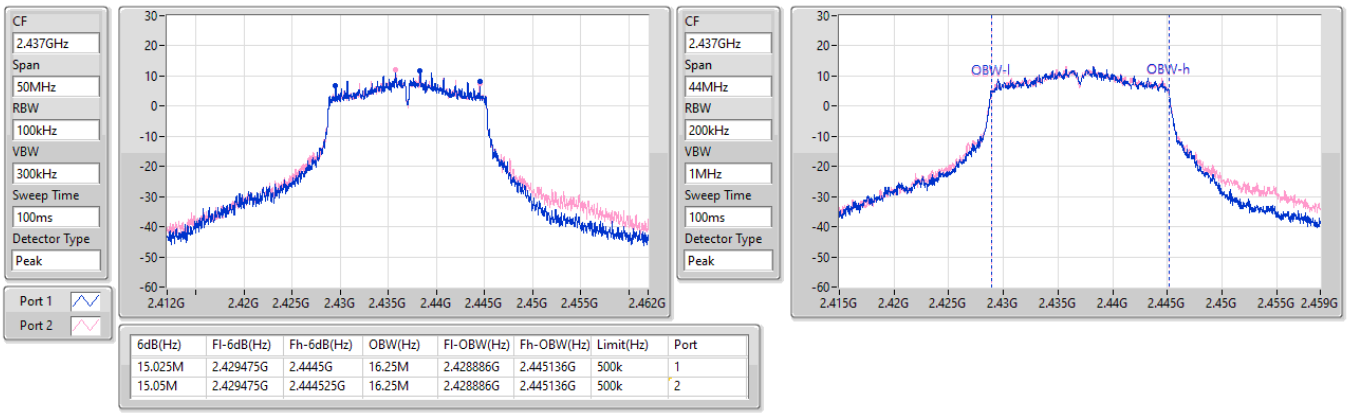


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.775M	2.40445G	2.418225G	16.25M	2.403886G	2.420136G	500k	1
15.025M	2.404475G	2.4195G	16.206M	2.403908G	2.420114G	500k	2

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

2437MHz

21/08/2023

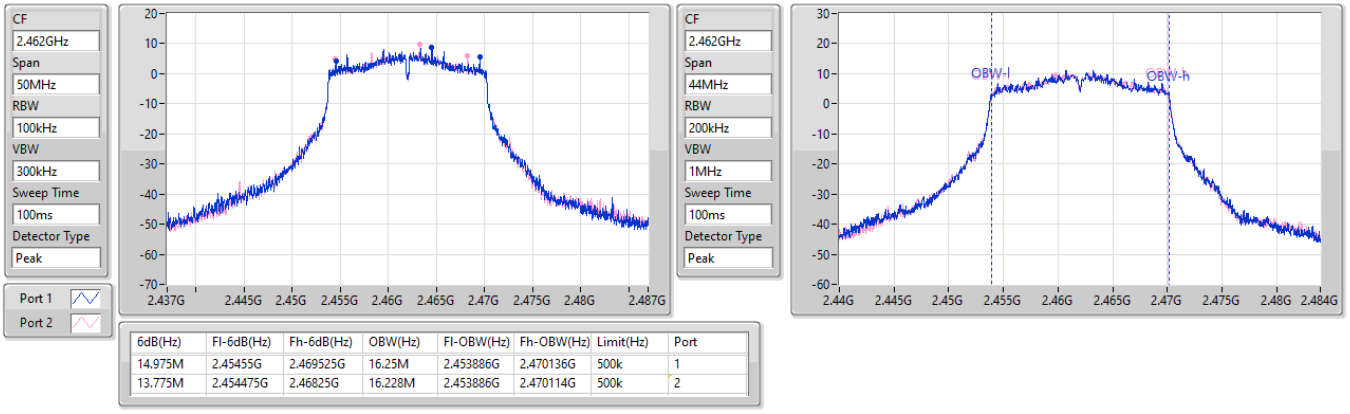


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.429475G	2.4445G	16.25M	2.428886G	2.445136G	500k	1
15.05M	2.429475G	2.444525G	16.25M	2.428886G	2.445136G	500k	2

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

2462MHz

21/08/2023

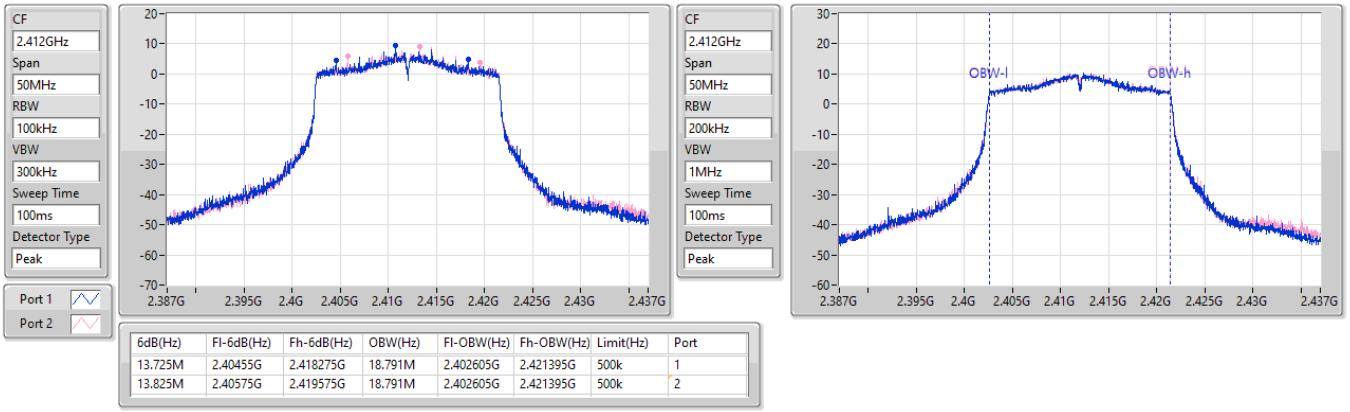


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	2.45455G	2.469525G	16.25M	2.453886G	2.470136G	500k	1
13.775M	2.454475G	2.46825G	16.228M	2.453886G	2.470114G	500k	2

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

2412MHz

21/08/2023

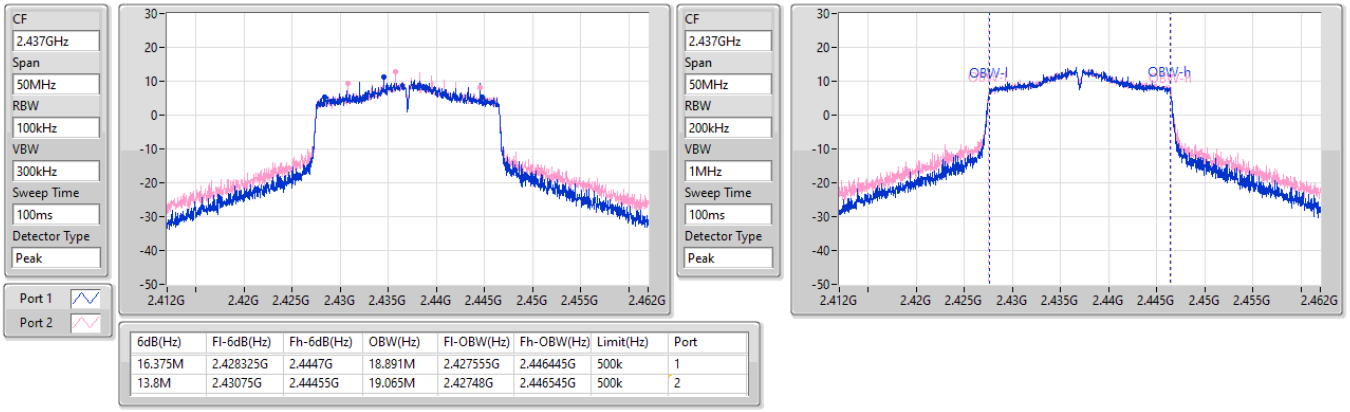


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.725M	2.40455G	2.418275G	18.791M	2.402605G	2.421395G	500k	1
13.825M	2.40575G	2.419575G	18.791M	2.402605G	2.421395G	500k	2

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

2437MHz

21/08/2023

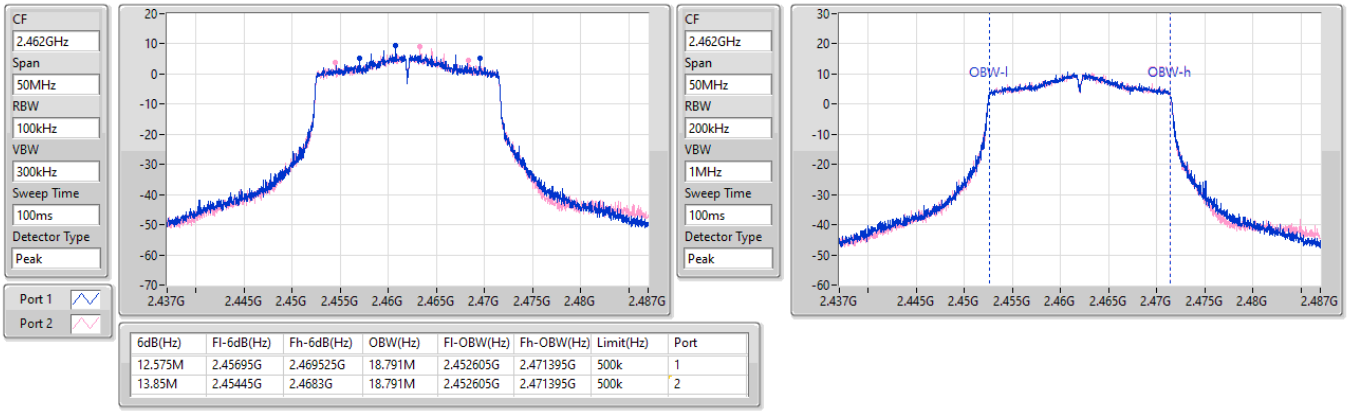


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	2.428325G	2.4447G	18.891M	2.427555G	2.446445G	500k	1
13.8M	2.43075G	2.44455G	19.065M	2.42748G	2.446545G	500k	2

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

2462MHz

21/08/2023

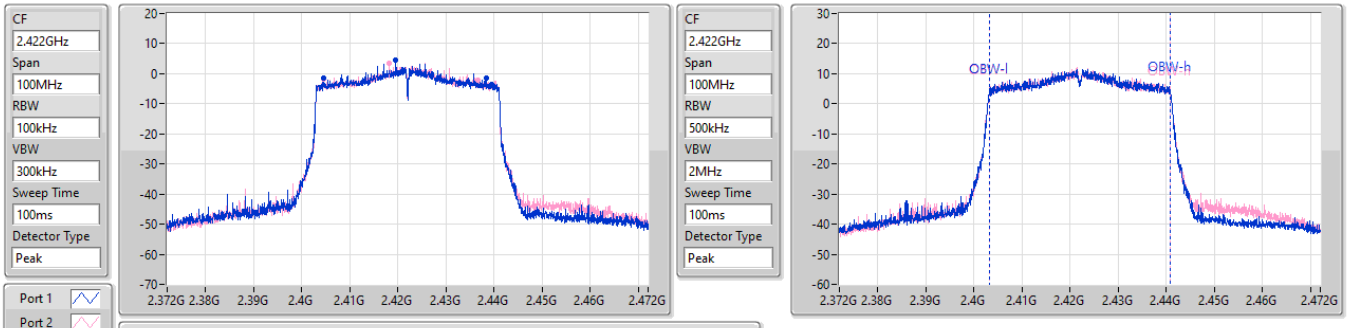


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.575M	2.45695G	2.469525G	18.791M	2.452605G	2.471395G	500k	1
13.85M	2.45445G	2.4683G	18.791M	2.452605G	2.471395G	500k	2

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

2422MHz

21/08/2023

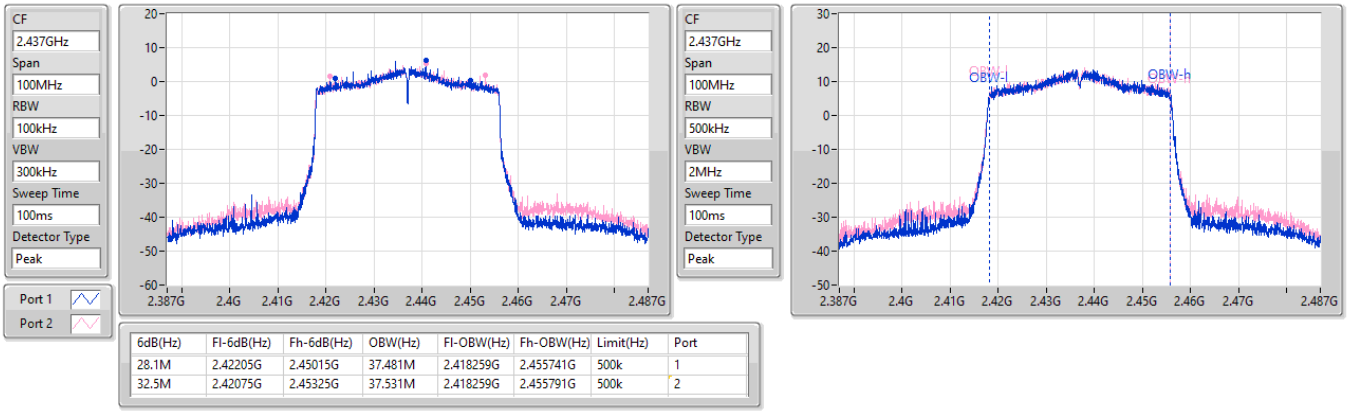


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.85M	2.40445G	2.4383G	37.531M	2.403259G	2.440791G	500k	1
32.25M	2.40445G	2.4367G	37.481M	2.403259G	2.440741G	500k	2

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

2437MHz

21/08/2023

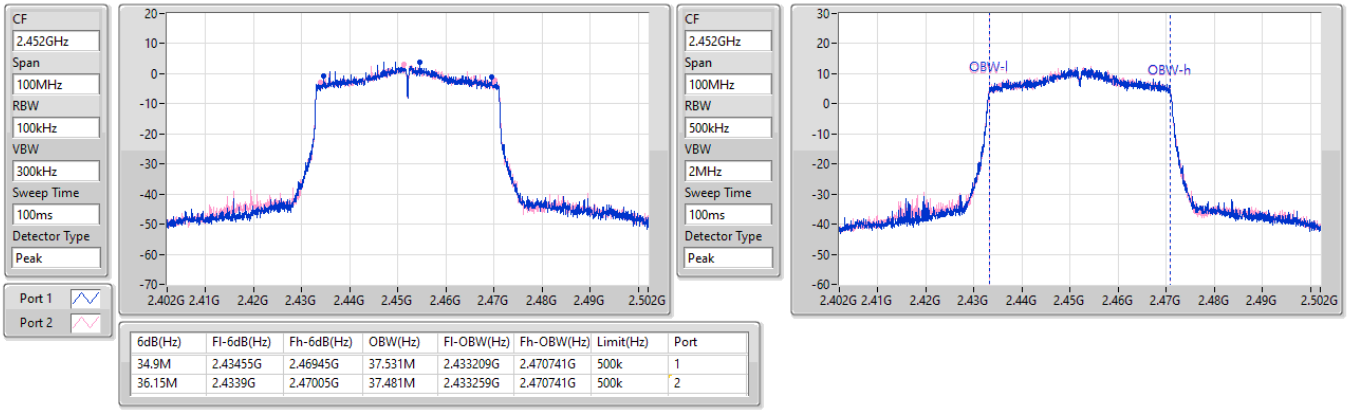


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.1M	2.42205G	2.45015G	37.481M	2.418259G	2.455741G	500k	1
32.5M	2.42075G	2.45325G	37.531M	2.418259G	2.455791G	500k	2

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

2452MHz

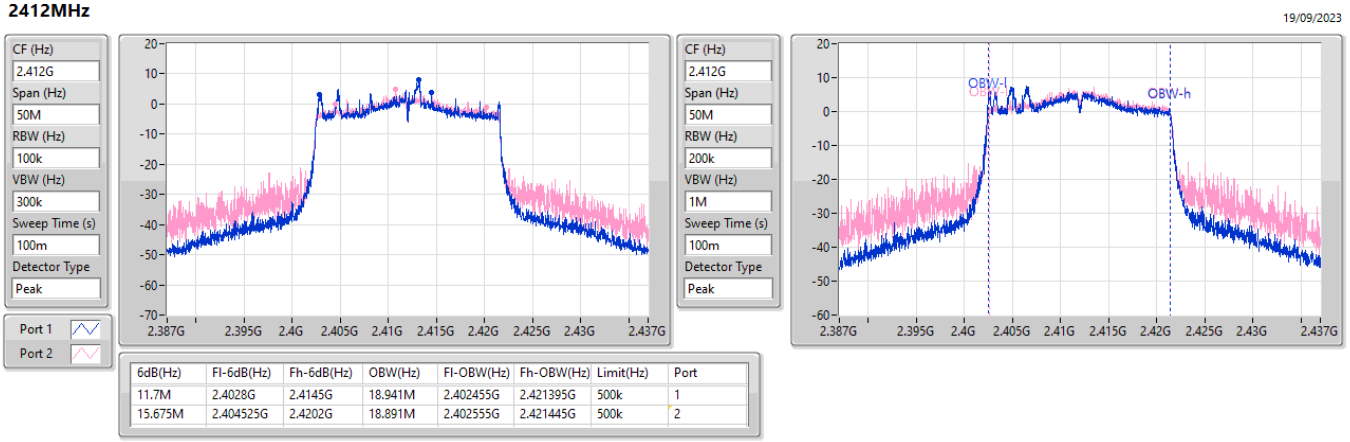
21/08/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.9M	2.43455G	2.46945G	37.531M	2.433209G	2.470741G	500k	1
36.15M	2.4339G	2.47005G	37.481M	2.433259G	2.470741G	500k	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX **EBW**

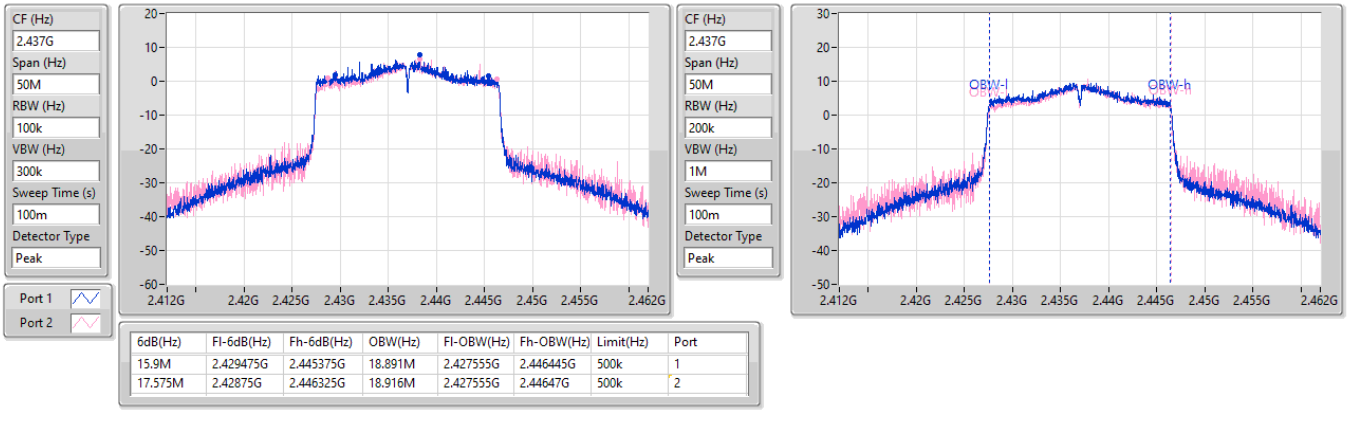
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
11.7M	2.4028G	2.4145G	18.941M	2.402455G	2.421395G	500k	1
15.675M	2.404525G	2.4202G	18.891M	2.402555G	2.421445G	500k	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX **EBW**

2437MHz

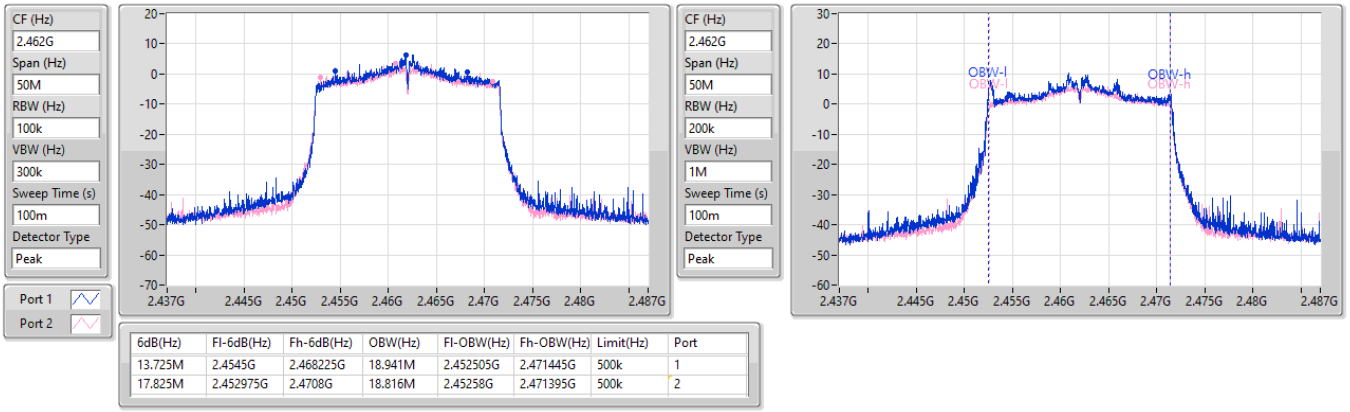


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.9M	2.429475G	2.445375G	18.891M	2.427555G	2.446445G	500k	1
17.575M	2.42875G	2.446325G	18.916M	2.427555G	2.44647G	500k	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX **EBW**

2462MHz

19/09/2023

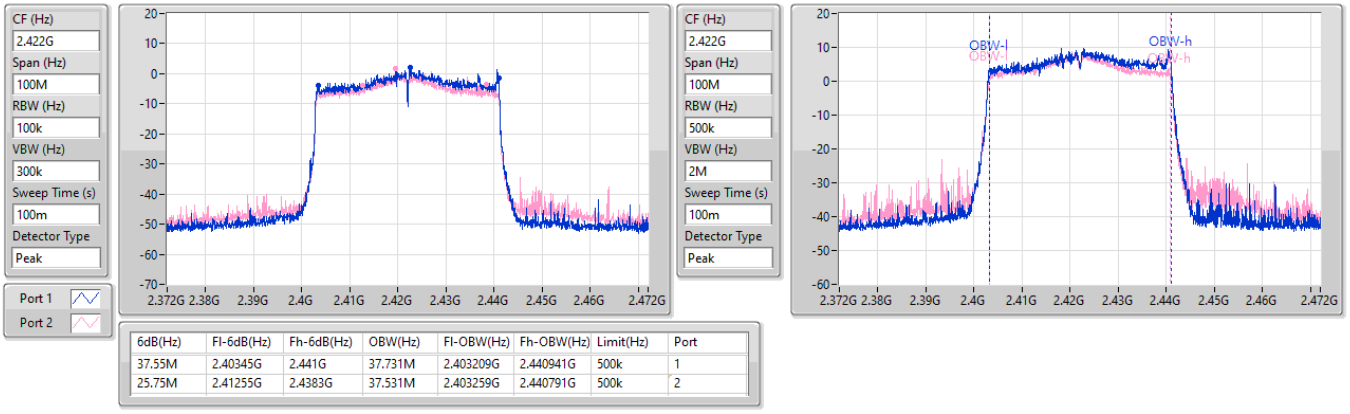


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.725M	2.4545G	2.468225G	18.941M	2.452505G	2.471445G	500k	1
17.825M	2.452975G	2.4708G	18.816M	2.45258G	2.471395G	500k	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX **EBW**

2422MHz

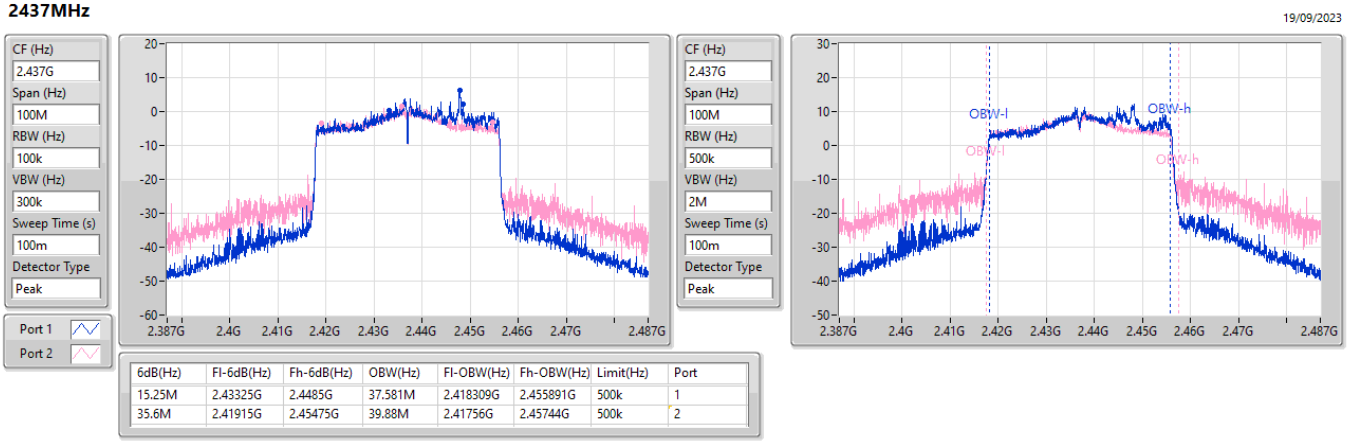
19/09/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.40345G	2.441G	37.731M	2.403209G	2.440941G	500k	1
25.75M	2.41255G	2.4383G	37.531M	2.403259G	2.440791G	500k	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX **EBW**

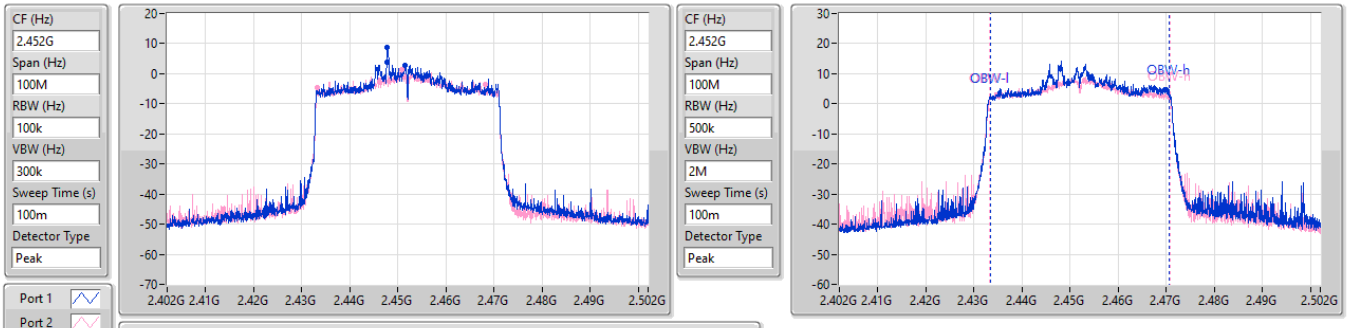
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.25M	2.43325G	2.4485G	37.581M	2.418309G	2.455891G	500k	1
35.6M	2.41915G	2.45475G	39.88M	2.41756G	2.45744G	500k	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX **EBW**

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.8M	2.44765G	2.45145G	37.281M	2.433359G	2.470641G	500k	1
35M	2.43325G	2.46825G	37.531M	2.433259G	2.470791G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	20.83	0.12106
802.11g_Nss1,(6Mbps)_2TX	23.26	0.21184
802.11ax HEW20_Nss1,(MCS0)_2TX	24.05	0.25410
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	18.92	0.07798
802.11ax HEW40_Nss1,(MCS0)_2TX	21.25	0.13335
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	17.38	0.05470

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.69	17.58	17.75	20.68	30.00
2437MHz	Pass	4.69	17.82	17.81	20.83	30.00
2462MHz	Pass	4.69	17.62	17.61	20.63	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.69	17.93	17.99	20.97	30.00
2437MHz	Pass	4.69	20.22	20.27	23.26	30.00
2462MHz	Pass	4.69	18.30	18.32	21.32	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.69	17.70	17.81	20.77	30.00
2417MHz	Pass	4.69	18.61	19.43	22.05	30.00
2437MHz	Pass	4.69	20.97	21.10	24.05	30.00
2457MHz	Pass	4.69	18.99	19.15	22.08	30.00
2462MHz	Pass	4.69	17.66	17.73	20.71	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.69	16.24	16.25	19.26	30.00
2437MHz	Pass	4.69	18.22	18.25	21.25	30.00
2452MHz	Pass	4.69	16.66	16.57	19.63	30.00
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.70	14.42	14.30	17.37	28.30
2417MHz	Pass	7.70	14.22	14.04	17.14	28.30
2437MHz	Pass	7.70	16.19	15.61	18.92	28.30
2457MHz	Pass	7.70	15.19	14.52	17.88	28.30
2462MHz	Pass	7.70	14.79	14.13	17.48	28.30
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.70	13.23	13.53	16.39	28.30
2437MHz	Pass	7.70	14.32	14.42	17.38	28.30
2452MHz	Pass	7.70	14.02	13.89	16.97	28.30

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-1.32
802.11g_Nss1,(6Mbps)_2TX	-2.76
802.11ax HEW20_Nss1,(MCS0)_2TX	-1.18
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-4.28
802.11ax HEW40_Nss1,(MCS0)_2TX	-6.60
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-3.61

RBW = 3kHz;

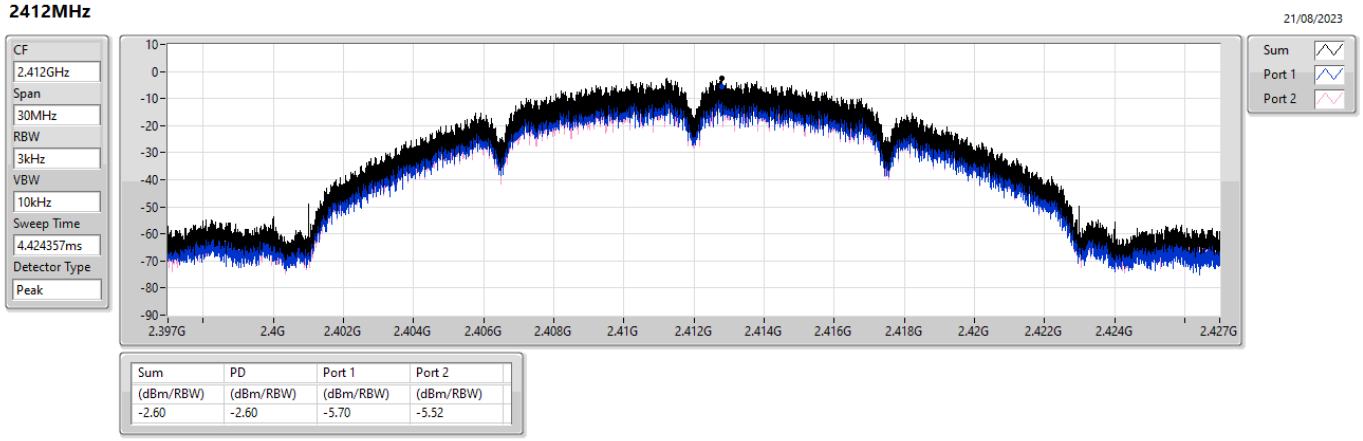
Result

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	7.70	-5.70	-5.52	-2.60	6.30
2437MHz	Pass	7.70	-4.38	-4.29	-1.32	6.30
2462MHz	Pass	7.70	-5.80	-6.04	-2.97	6.30
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.70	-7.70	-6.82	-4.99	6.30
2437MHz	Pass	7.70	-4.98	-4.57	-2.76	6.30
2462MHz	Pass	7.70	-6.93	-5.09	-4.39	6.30
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.70	-5.79	-6.42	-3.64	6.30
2437MHz	Pass	7.70	-2.79	-3.14	-1.18	6.30
2462MHz	Pass	7.70	-6.40	-6.70	-3.59	6.30
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.70	-10.10	-10.01	-8.03	6.30
2437MHz	Pass	7.70	-8.78	-8.01	-6.60	6.30
2452MHz	Pass	7.70	-10.61	-10.24	-8.42	6.30
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.70	-5.90	-9.21	-4.28	6.30
2437MHz	Pass	7.70	-8.59	-7.09	-6.94	6.30
2462MHz	Pass	7.70	-5.55	-9.71	-4.87	6.30
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.70	-10.81	-12.61	-9.29	6.30
2437MHz	Pass	7.70	-9.53	-13.58	-9.34	6.30
2452MHz	Pass	7.70	-3.95	-12.29	-3.61	6.30

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

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

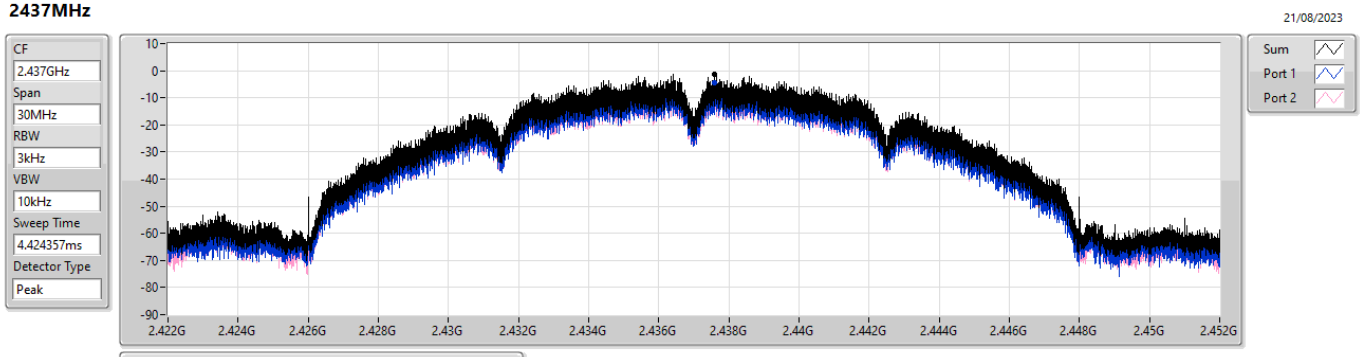
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.60	-2.60	-5.70	-5.52

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

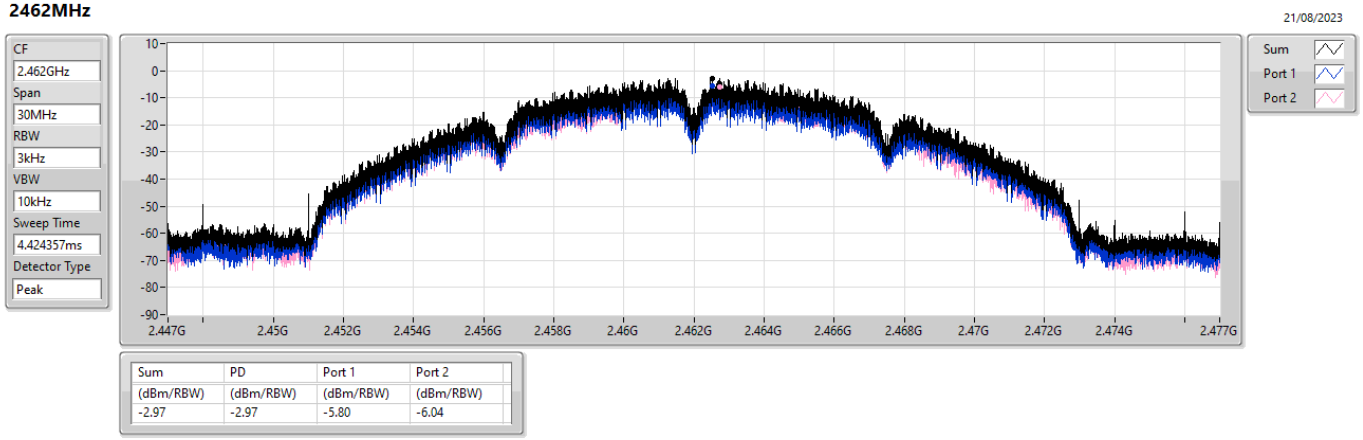
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.32	-1.32	-4.38	-4.29

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

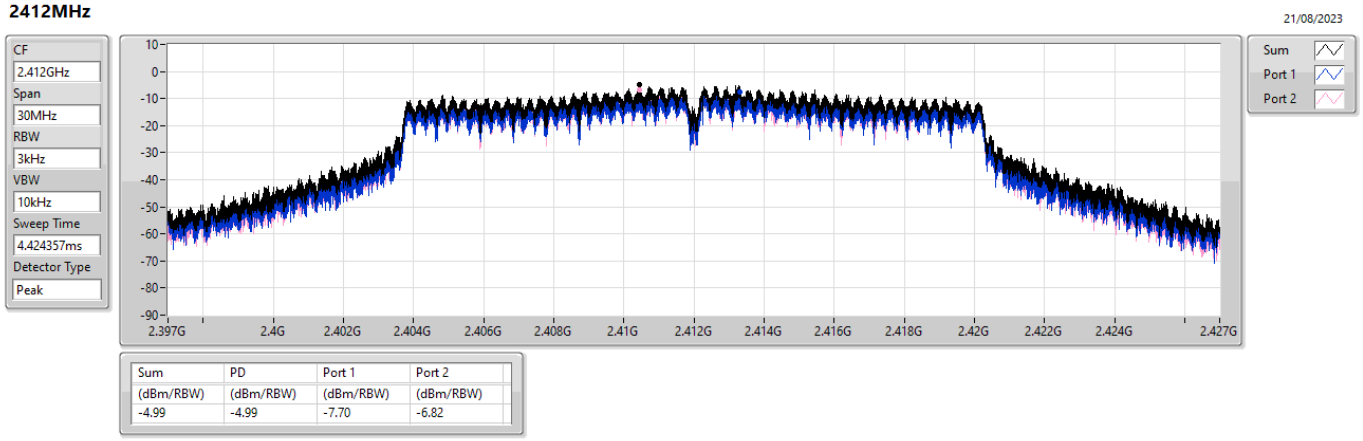
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.97	-2.97	-5.80	-6.04

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

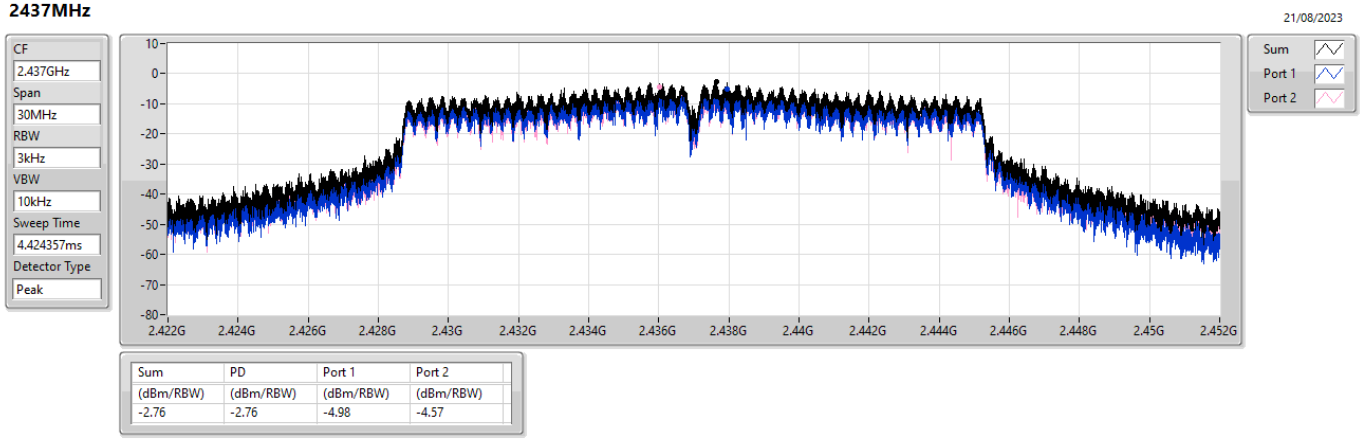
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.99	-4.99	-7.70	-6.82

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

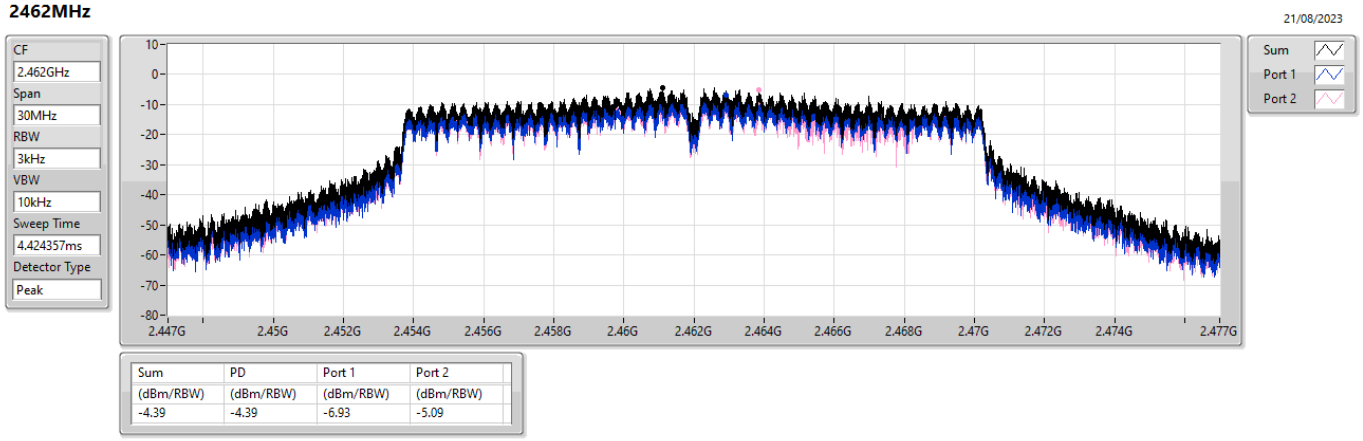
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.76	-2.76	-4.98	-4.57

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

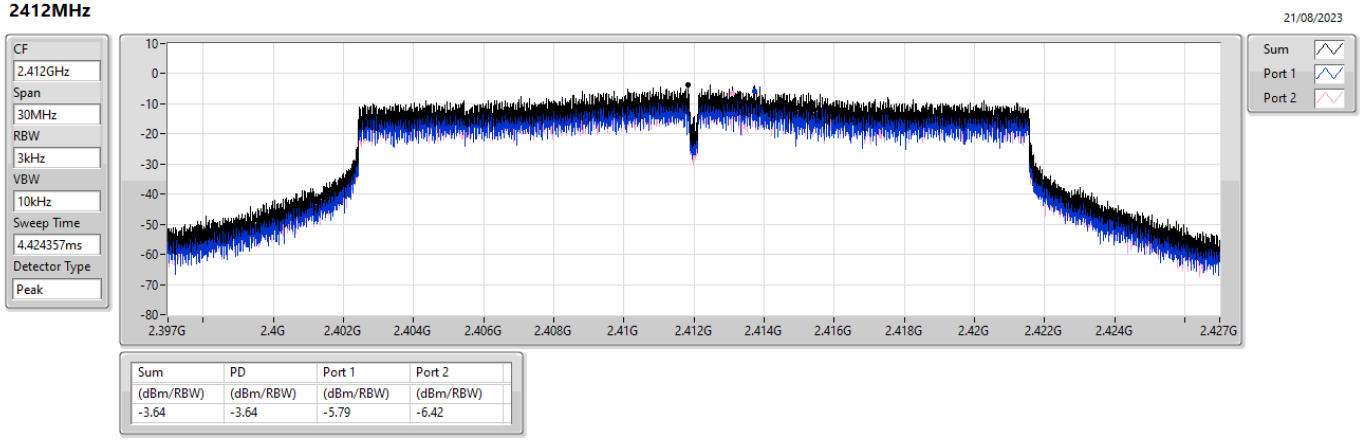
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.39	-4.39	-6.93	-5.09

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

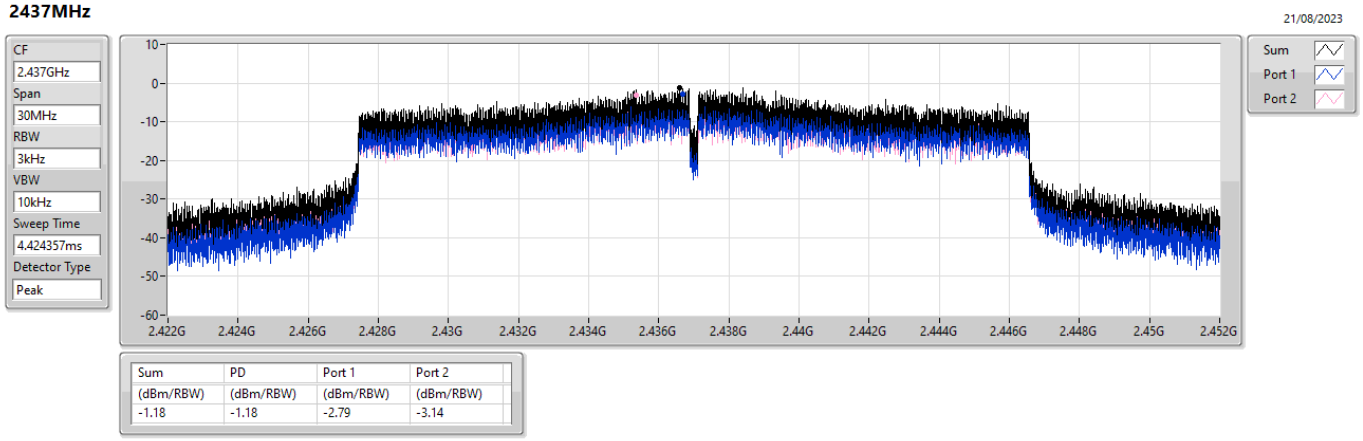
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.64	-3.64	-5.79	-6.42

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

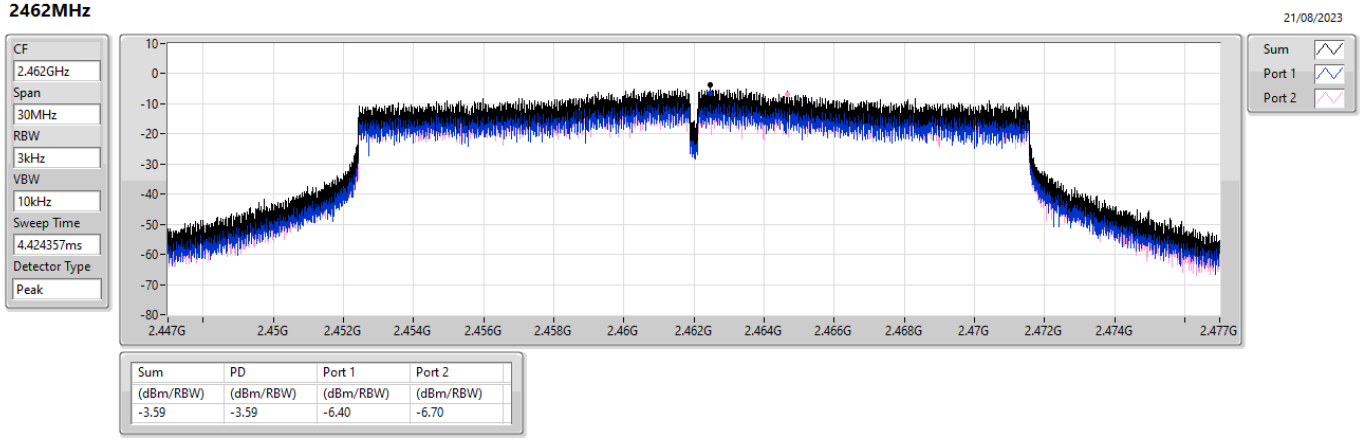
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.18	-1.18	-2.79	-3.14

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

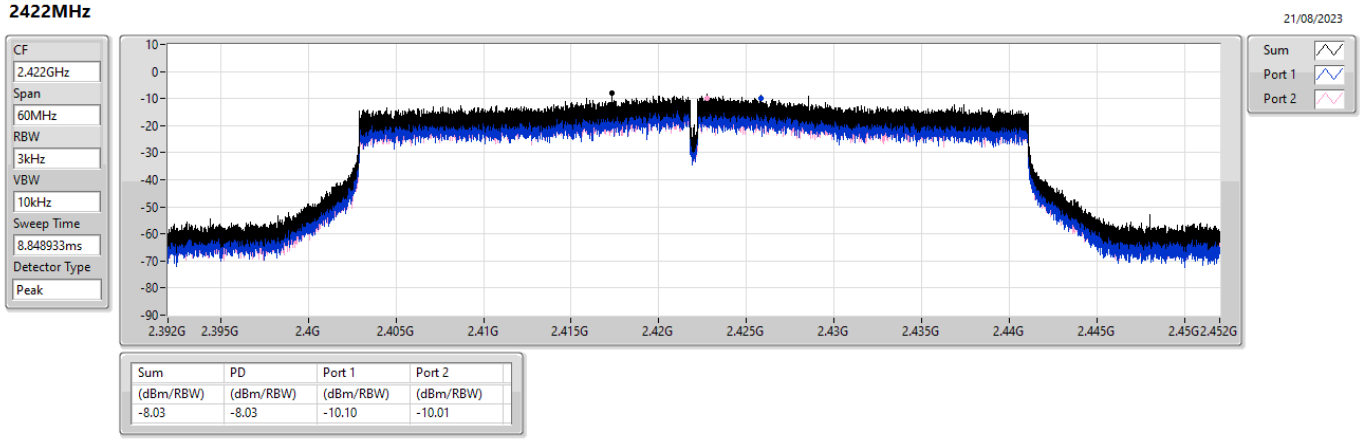
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.59	-3.59	-6.40	-6.70

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

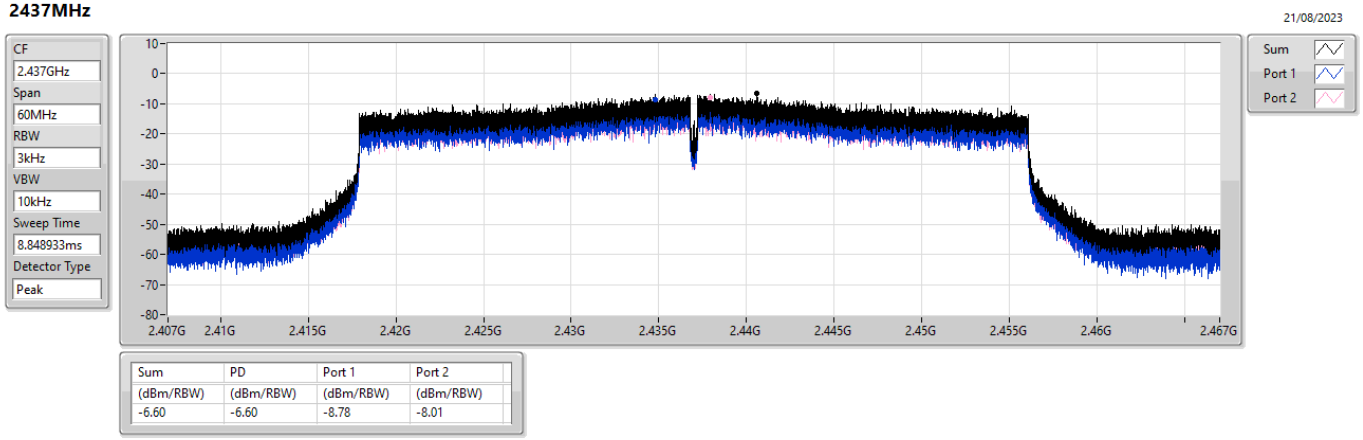
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.03	-8.03	-10.10	-10.01

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

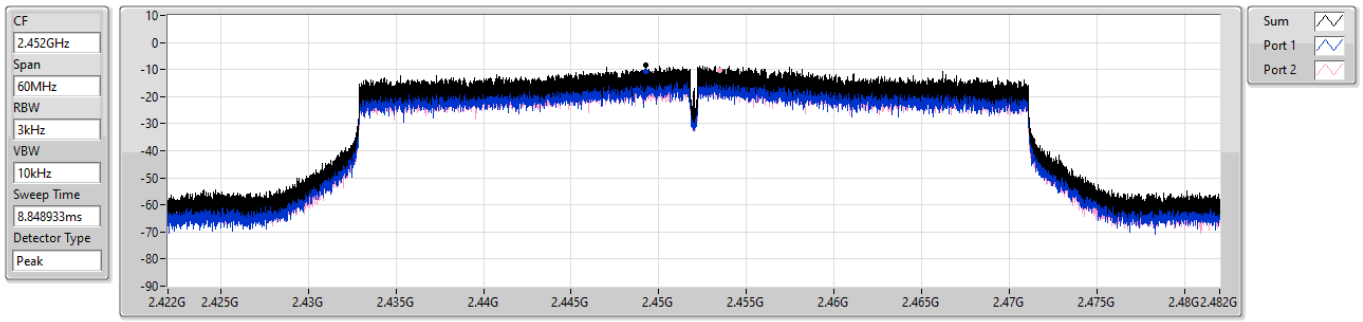
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.60	-6.60	-8.78	-8.01

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

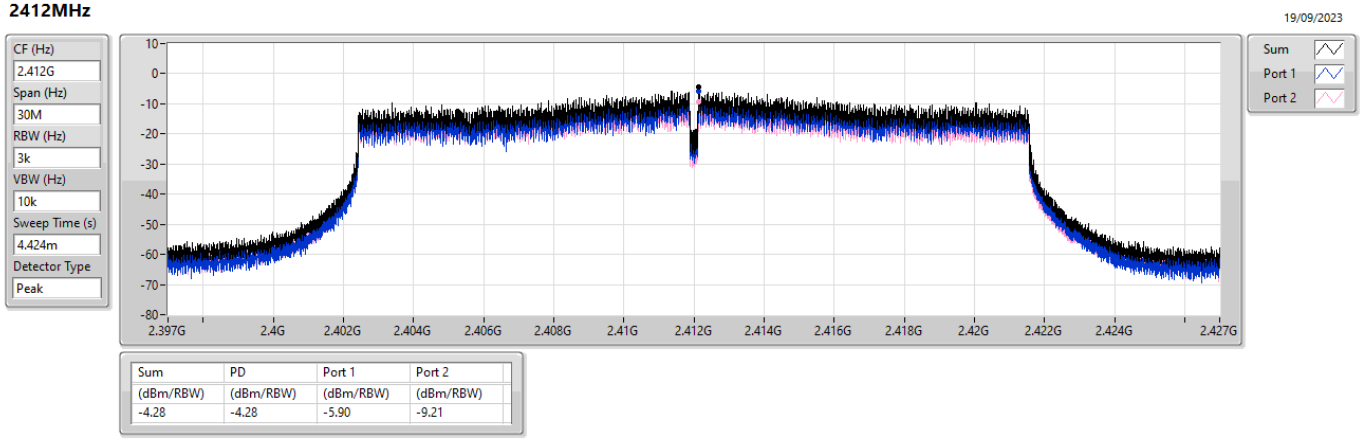
2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.42	-8.42	-10.61	-10.24

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX **PSD**

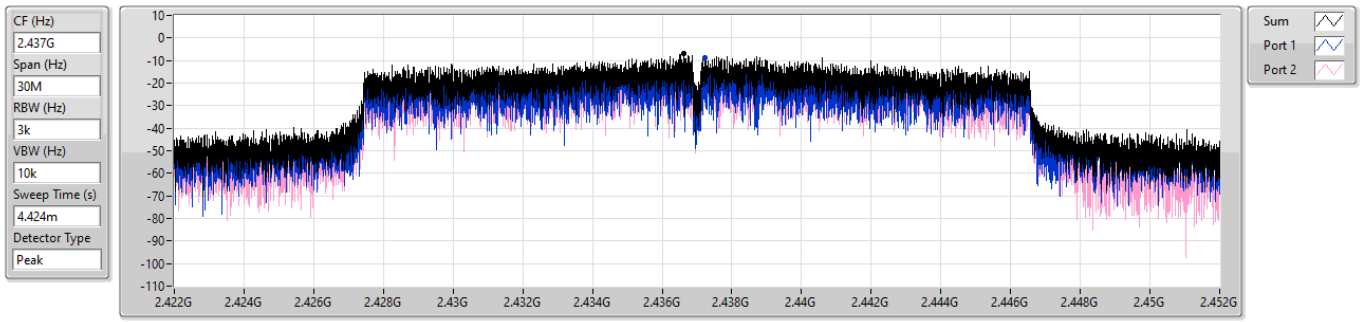
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.28	-4.28	-5.90	-9.21

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX **PSD**

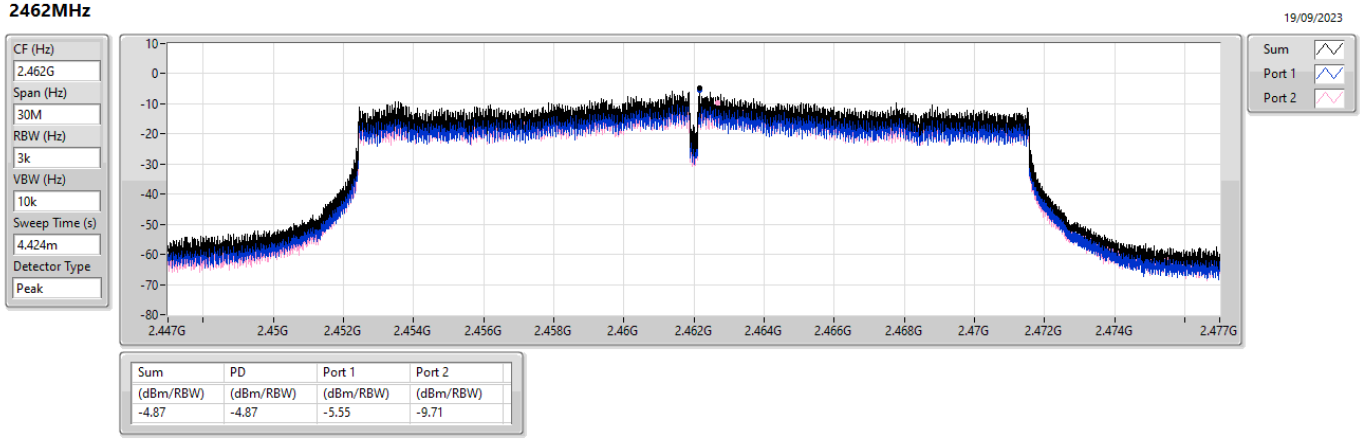
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.94	-6.94	-8.59	-7.09

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX **PSD**

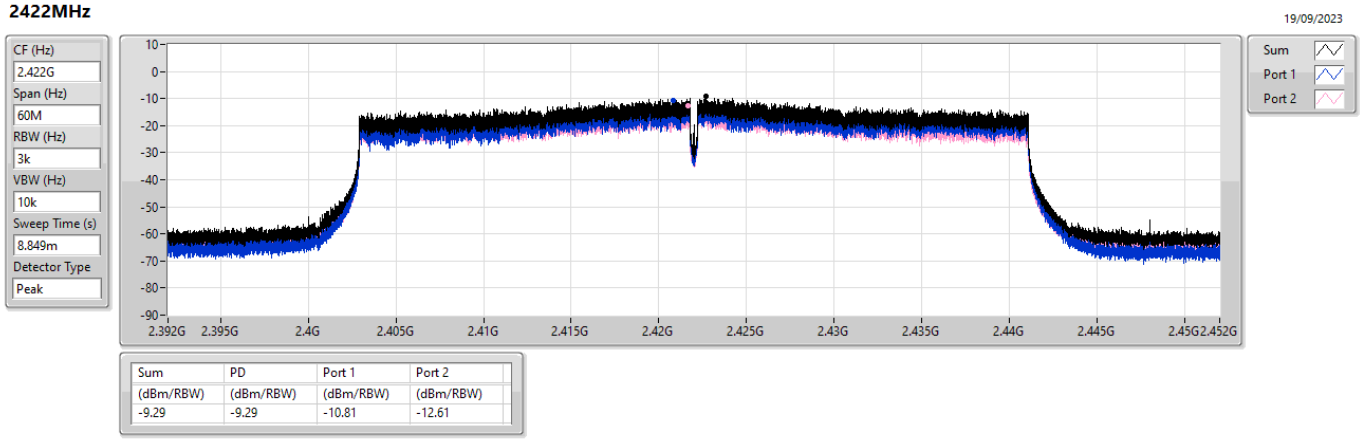
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.87	-4.87	-5.55	-9.71

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX **PSD**

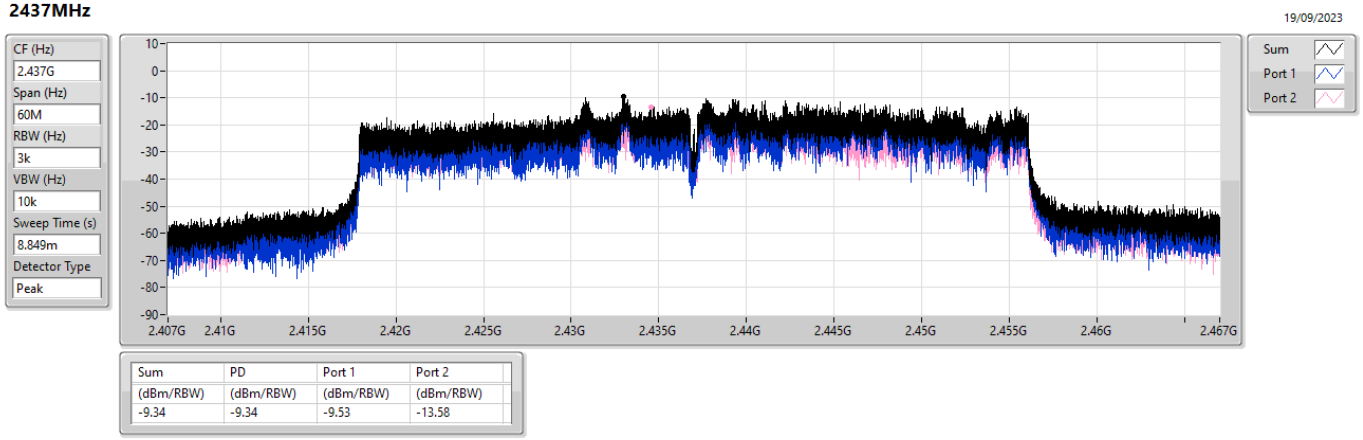
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.29	-9.29	-10.81	-12.61

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX **PSD**

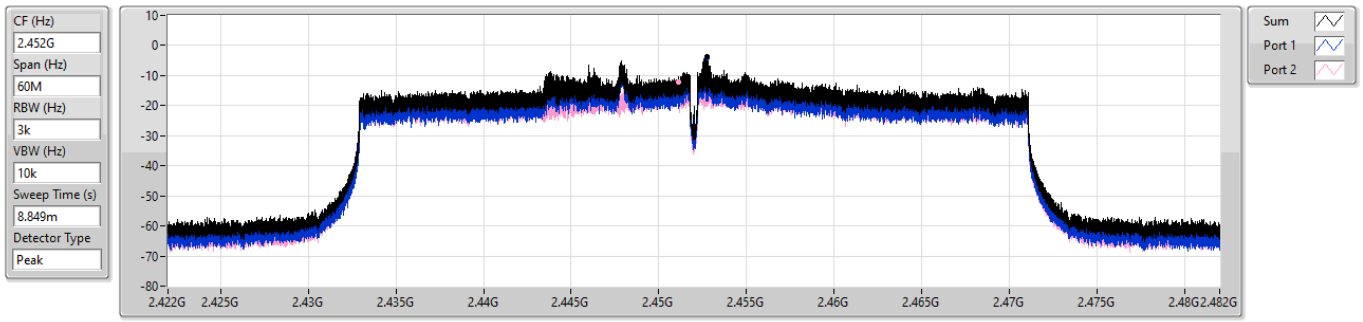
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.34	-9.34	-9.53	-13.58

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.61	-3.61	-3.95	-12.29

Summary

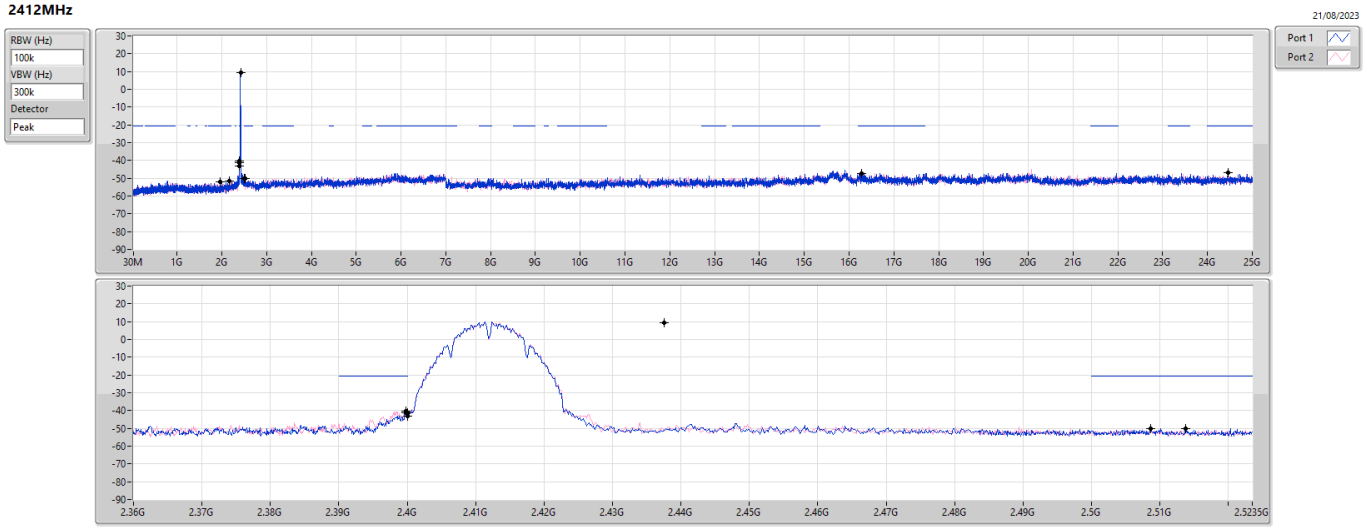
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43758G	9.54	-20.46	1.96623G	-52.09	2.39976G	-40.23	2.4G	-42.94	2.50862G	-50.03	24.46899G	-46.73	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	12.04	-17.96	2.1969G	-51.35	2.4G	-28.92	2.4G	-28.19	2.50526G	-50.67	16.30721G	-47.02	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43824G	11.77	-18.23	2.30408G	-51.15	2.39992G	-28.85	2.4G	-28.32	2.51502G	-49.97	15.27891G	-46.39	2
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	Pass	2.43574G	7.20	-22.80	2.15496G	-46.92	2.39912G	-23.33	2.4G	-24.57	2.50326G	-46.73	24.99157G	-40.29	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.43457G	6.30	-23.70	2.30283G	-51.49	2.39936G	-34.13	2.4G	-36.82	2.5171G	-48.51	5.99348G	-46.61	2
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	Pass	2.44793G	5.12	-24.88	937.99M	-46.87	2.39808G	-29.50	2.4G	-32.57	2.50254G	-36.98	16.48535G	-39.96	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43758G	9.54	-20.46	2.17011G	-51.37	2.39976G	-41.15	2.4G	-41.44	2.51374G	-49.97	16.28193G	-47.18	1
2412MHz	Pass	2.43758G	9.54	-20.46	1.96623G	-52.09	2.39976G	-40.23	2.4G	-42.94	2.50862G	-50.03	24.46899G	-46.73	2
2437MHz	Pass	2.43758G	9.54	-20.46	2.18875G	-52.10	2.39728G	-48.43	2.4G	-50.39	2.51246G	-50.56	16.61065G	-47.30	1
2437MHz	Pass	2.43758G	9.54	-20.46	1.95458G	-52.25	2.4G	-48.59	2.4G	-49.69	2.5171G	-50.01	5.88093G	-46.88	2
2462MHz	Pass	2.43758G	9.54	-20.46	2.15147G	-51.61	2.3988G	-50.01	2.4G	-51.04	2.50102G	-46.46	6.99351G	-46.53	1
2462MHz	Pass	2.43758G	9.54	-20.46	2.30874G	-50.97	2.39952G	-49.85	2.4G	-49.99	2.50982G	-48.63	17.66985G	-46.71	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	12.04	-17.96	2.07225G	-51.30	2.39984G	-28.58	2.4G	-29.10	2.5123G	-49.74	15.25082G	-46.61	1
2412MHz	Pass	2.43824G	12.04	-17.96	2.1969G	-51.35	2.4G	-28.92	2.4G	-28.19	2.50526G	-50.67	16.30721G	-47.02	2
2437MHz	Pass	2.43824G	12.04	-17.96	2.30874G	-51.46	2.39576G	-42.35	2.4G	-44.82	2.50574G	-47.14	6.95699G	-45.61	1
2437MHz	Pass	2.43824G	12.04	-17.96	2.30292G	-52.04	2.39888G	-43.93	2.4G	-43.36	2.50582G	-48.19	5.94274G	-47.01	2
2462MHz	Pass	2.43824G	12.04	-17.96	2.17593G	-52.18	2.39496G	-50.35	2.4G	-49.68	2.51398G	-48.85	6.96823G	-46.25	1
2462MHz	Pass	2.43824G	12.04	-17.96	2.13399G	-51.69	2.3988G	-50.39	2.4G	-50.04	2.5079G	-49.17	15.26487G	-46.08	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	11.77	-18.23	958.51M	-51.74	2.4G	-29.04	2.4G	-29.70	2.51134G	-49.98	16.61346G	-46.62	1
2412MHz	Pass	2.43824G	11.77	-18.23	2.30408G	-51.15	2.39992G	-28.85	2.4G	-28.32	2.51502G	-49.97	15.27891G	-46.39	2
2437MHz	Pass	2.43824G	11.77	-18.23	2.30525G	-51.47	2.3992G	-37.45	2.4G	-38.92	2.50022G	-47.60	5.80788G	-46.89	1
2437MHz	Pass	2.43824G	11.77	-18.23	2.16428G	-51.76	2.39952G	-31.93	2.4G	-32.74	2.50366G	-44.00	5.93993G	-46.45	2
2462MHz	Pass	2.43824G	11.77	-18.23	2.30641G	-52.14	2.39128G	-50.29	2.4G	-50.91	2.50398G	-48.68	5.8444G	-46.49	1
2462MHz	Pass	2.43824G	11.77	-18.23	2.19457G	-52.03	2.4G	-49.33	2.4G	-50.29	2.51006G	-48.22	24.72747G	-47.03	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43457G	6.30	-23.70	2.17688G	-52.36	2.39984G	-37.05	2.4G	-35.32	2.53646G	-49.47	17.66046G	-46.80	1
2422MHz	Pass	2.43457G	6.30	-23.70	2.10818G	-51.95	2.39984G	-35.76	2.4G	-35.89	2.54398G	-49.53	5.77753G	-47.24	2
2437MHz	Pass	2.43457G	6.30	-23.70	1.63186G	-51.48	2.39664G	-41.24	2.4G	-42.55	2.53534G	-47.72	6.07762G	-46.80	1
2437MHz	Pass	2.43457G	6.30	-23.70	2.30283G	-51.49	2.39936G	-34.13	2.4G	-36.82	2.5171G	-48.51	5.99348G	-46.61	2
2452MHz	Pass	2.43457G	6.30	-23.70	2.12535G	-51.36	2.39648G	-48.84	2.4G	-49.94	2.5003G	-46.84	6.99471G	-46.67	1
2452MHz	Pass	2.43457G	6.30	-23.70	2.30397G	-51.24	2.4G	-47.53	2.4G	-47.86	2.50126G	-46.76	6.98069G	-46.45	2
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	7.20	-22.80	2.14448G	-47.73	2.39928G	-27.51	2.4G	-26.70	2.50158G	-46.49	16.43645G	-39.82	1
2412MHz	Pass	2.43574G	7.20	-22.80	2.15496G	-46.92	2.39912G	-23.33	2.4G	-24.57	2.50326G	-46.73	24.99157G	-40.29	2
2437MHz	Pass	2.43574G	7.20	-22.80	2.12817G	-47.31	2.4G	-45.17	2.4G	-46.70	2.50078G	-46.29	16.45893G	-40.35	1
2437MHz	Pass	2.43574G	7.20	-22.80	949.19M	-47.69	2.39656G	-36.18	2.4G	-46.07	2.51886G	-46.27	16.4786G	-40.55	2
2462MHz	Pass	2.43574G	7.20	-22.80	2.10254G	-47.73	2.39272G	-46.74	2.4G	-48.07	2.50598G	-44.39	16.43926G	-40.03	1
2462MHz	Pass	2.43574G	7.20	-22.80	876.96M	-46.77	2.39272G	-46.76	2.4G	-48.80	2.50038G	-46.27	16.42522G	-40.80	2
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44793G	5.12	-24.88	694.1M	-47.14	2.39984G	-42.82	2.4G	-44.43	2.53534G	-46.63	16.38719G	-40.30	1
2422MHz	Pass	2.44793G	5.12	-24.88	2.04864G	-47.33	2.39488G	-40.66	2.4G	-44.04	2.5075G	-46.34	16.43487G	-40.28	2
2437MHz	Pass	2.44793G	5.12	-24.88	1.86086G	-48.04	2.39952G	-33.43	2.4G	-36.52	2.54174G	-45.89	24.27081G	-40.94	1
2437MHz	Pass	2.44793G	5.12	-24.88	937.99M	-46.87	2.39808G	-29.50	2.4G	-32.57	2.50254G	-36.98	16.48535G	-39.96	2
2452MHz	Pass	2.44793G	5.12	-24.88	959.74M	-47.26	2.4G	-46.71	2.4G	-46.98	2.50334G	-44.70	24.52322G	-40.90	1
2452MHz	Pass	2.44793G	5.12	-24.88	1.99253G	-47.81	2.39424G	-45.89	2.4G	-47.17	2.50414G	-44.61	24.83734G	-40.50	2

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

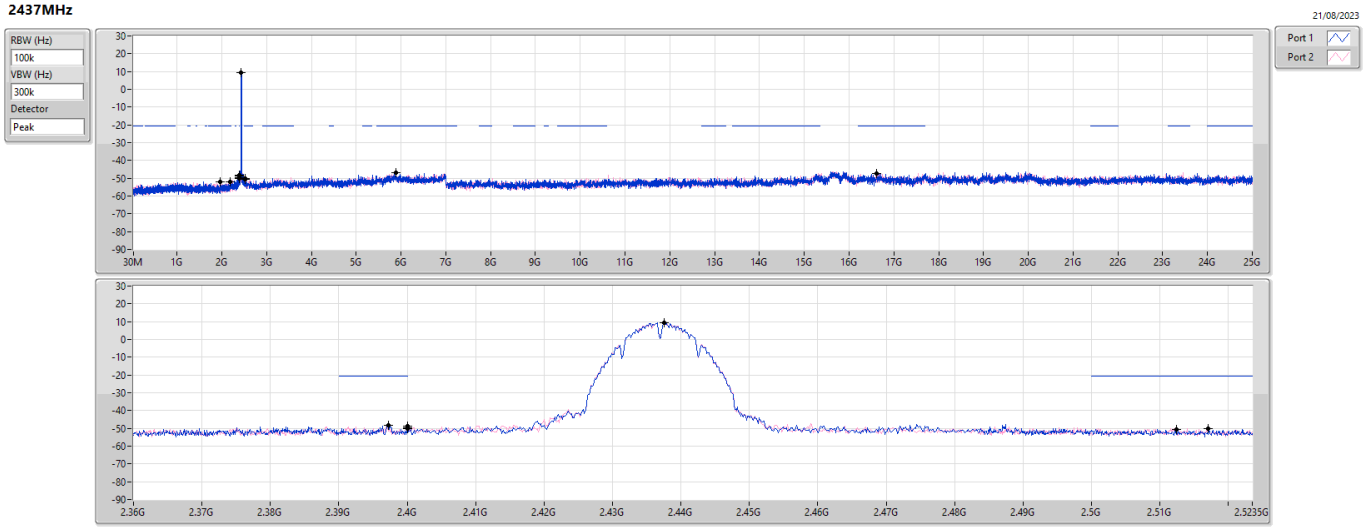
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43758G	9.54	-20.46	2.17011G	-51.37	2.39976G	-41.15	2.4G	-41.44	2.51374G	-49.97	16.28193G	-47.18	1
2.43758G	9.54	-20.46	1.96623G	-52.09	2.39976G	-40.23	2.4G	-42.94	2.50862G	-50.03	24.46899G	-46.73	2

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

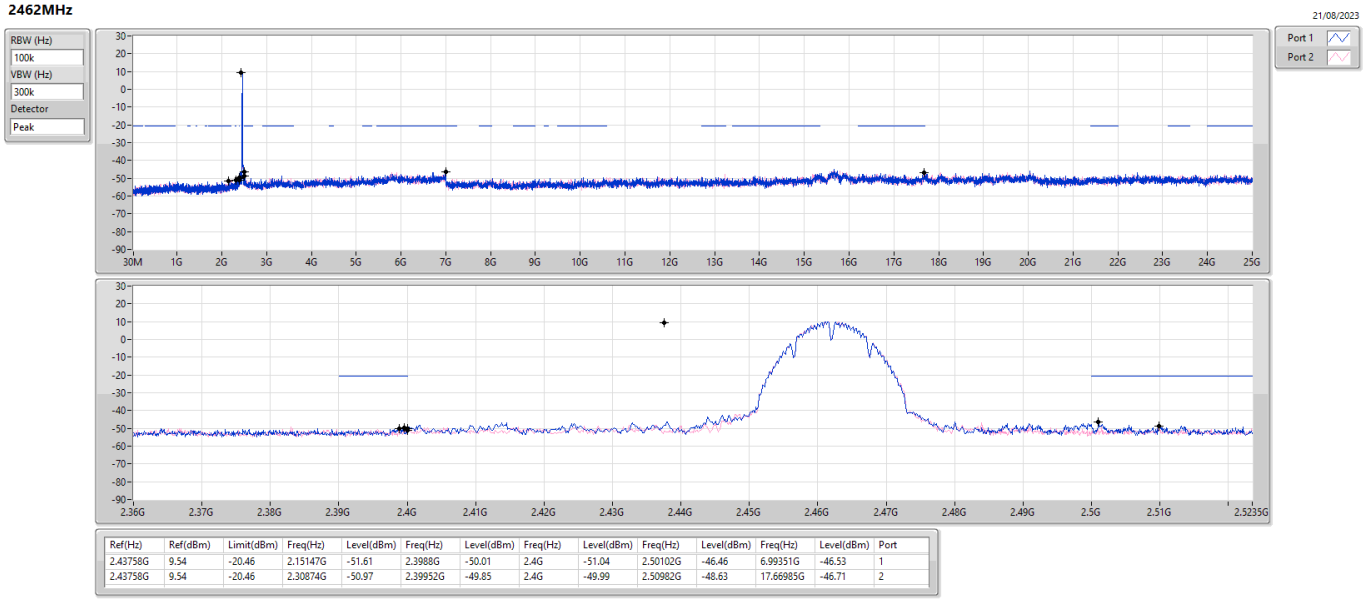
2437MHz



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	9.54	-20.46	2.18875G	-52.10	2.39728G	-48.43	2.4G	-50.39	2.51246G	-50.56	16.61065G	-47.30	1
2.43758G	9.54	-20.46	1.95458G	-52.25	2.4G	-48.59	2.4G	-49.69	2.5171G	-50.01	5.88093G	-46.88	2

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

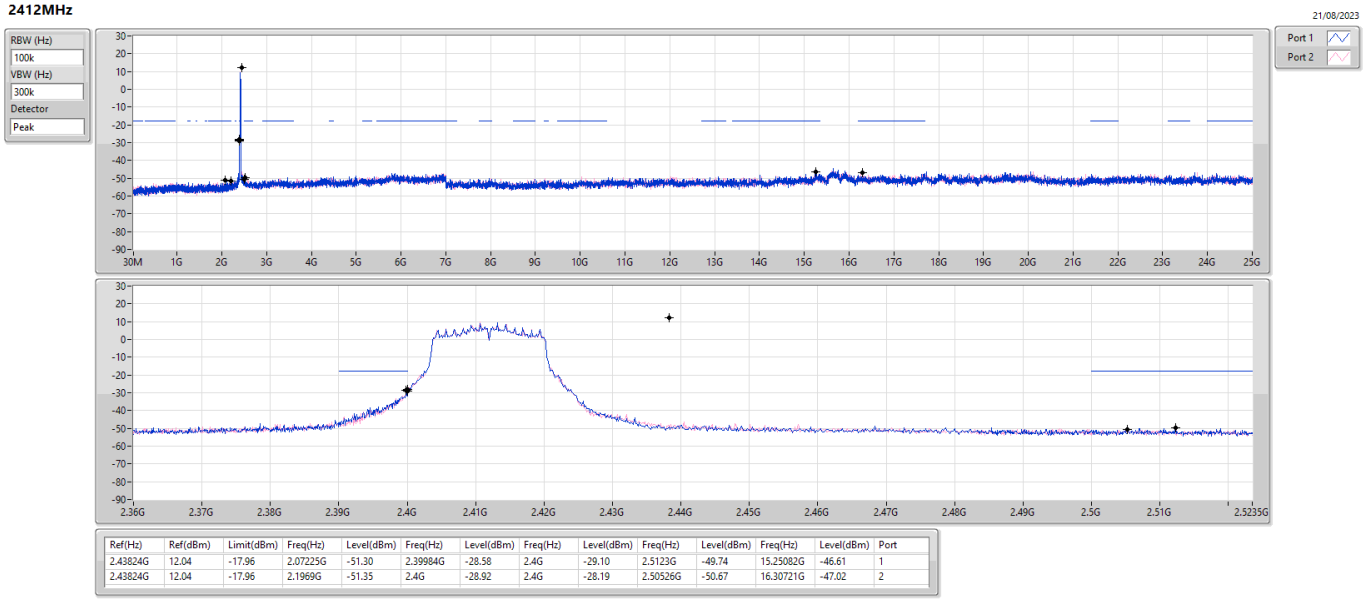
2462MHz



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	9.54	-20.46	2.15147G	-51.61	2.3988G	-50.01	2.4G	-51.04	2.50102G	-46.46	6.99351G	-46.53	1
2.43758G	9.54	-20.46	2.30874G	-50.97	2.39952G	-49.85	2.4G	-49.99	2.50982G	-48.63	17.66985G	-46.71	2

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

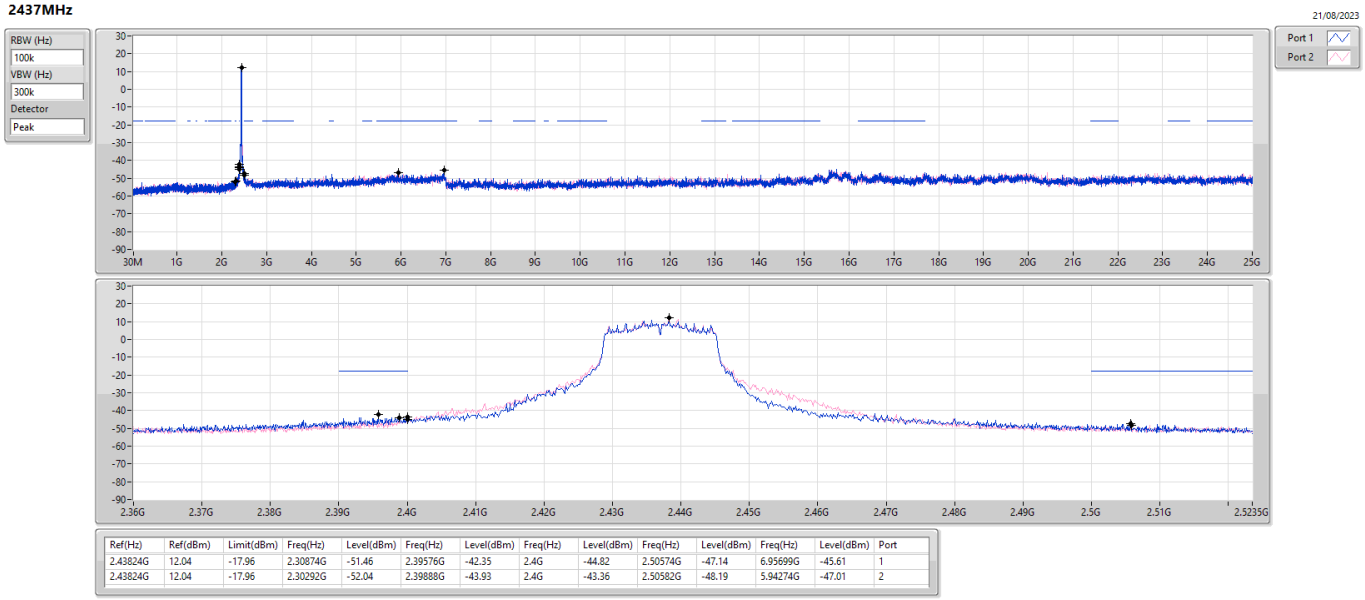
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	12.04	-17.96	2.07225G	-51.30	2.39984G	-28.58	2.4G	-29.10	2.5123G	-49.74	15.25082G	-46.61	1
2.43824G	12.04	-17.96	2.1969G	-51.35	2.4G	-28.92	2.4G	-28.19	2.50526G	-50.67	16.30721G	-47.02	2

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

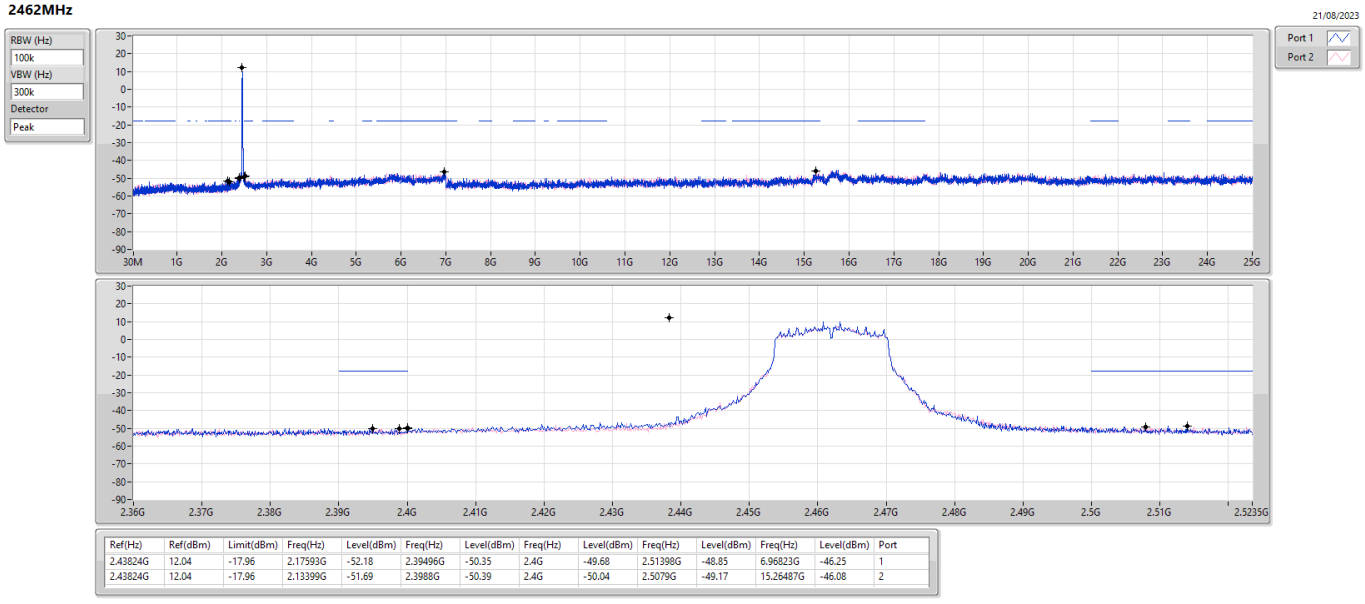
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	12.04	-17.96	2.30874G	-51.46	2.39576G	-42.35	2.4G	-44.82	2.50574G	-47.14	6.95699G	-45.61	1
2.43824G	12.04	-17.96	2.30292G	-52.04	2.39888G	-43.93	2.4G	-43.36	2.50582G	-48.19	5.94274G	-47.01	2

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

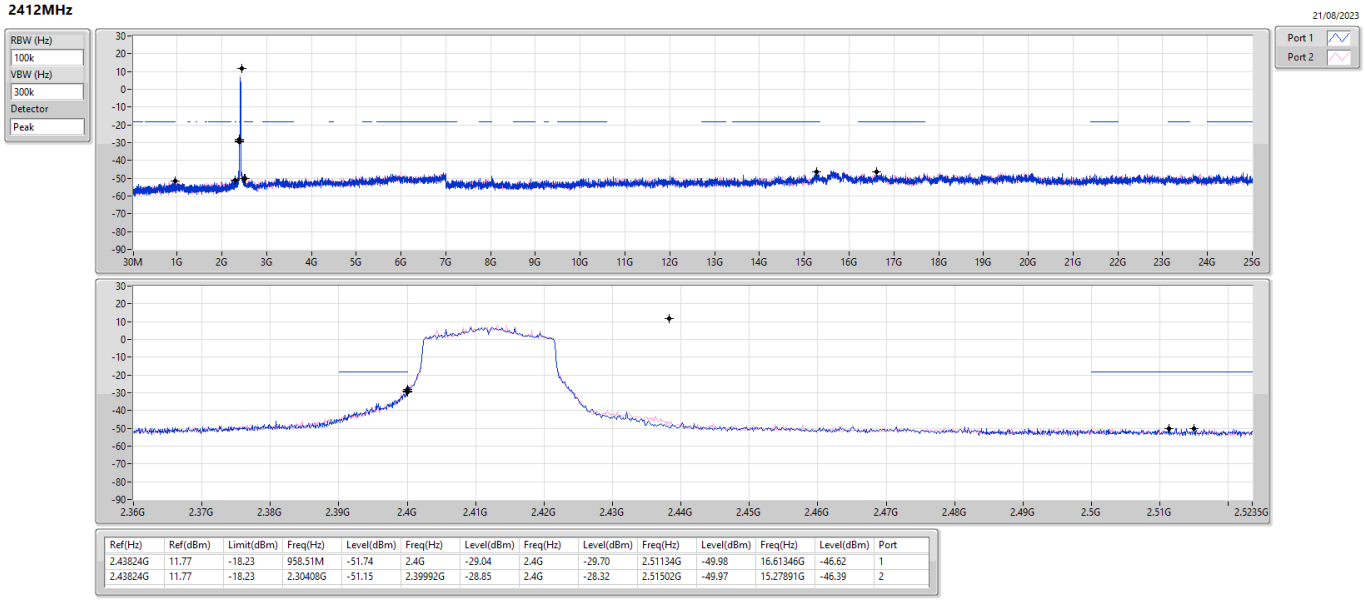
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	12.04	-17.96	2.17593G	-52.18	2.39496G	-50.35	2.4G	-49.68	2.51398G	-48.85	6.96823G	-46.25	1
2.43824G	12.04	-17.96	2.13399G	-51.69	2.3988G	-50.39	2.4G	-50.04	2.5079G	-49.17	15.26487G	-46.08	2

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

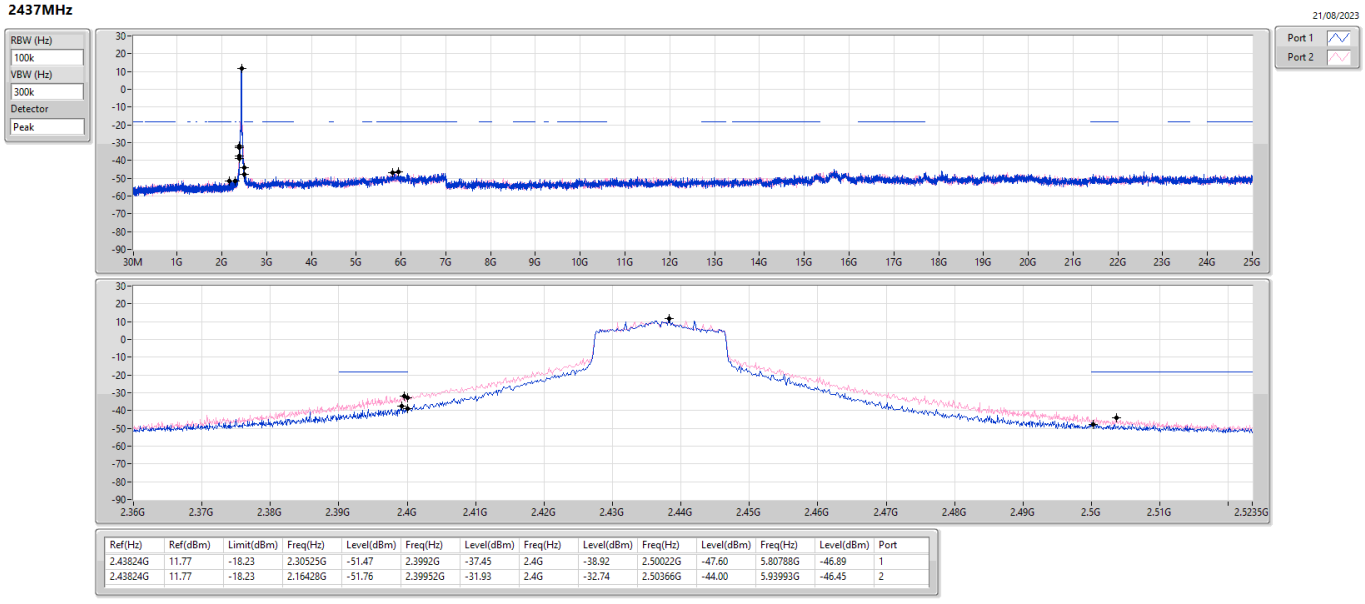
2412MHz



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
2.43824G	11.77	-18.23	958.51M	-51.74	2.4G	-29.04	2.4G	-29.70	2.51134G	-49.98	16.61346G	-46.62	1
2.43824G	11.77	-18.23	2.30408G	-51.15	2.39992G	-28.85	2.4G	-28.32	2.51502G	-49.97	15.27891G	-46.39	2

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

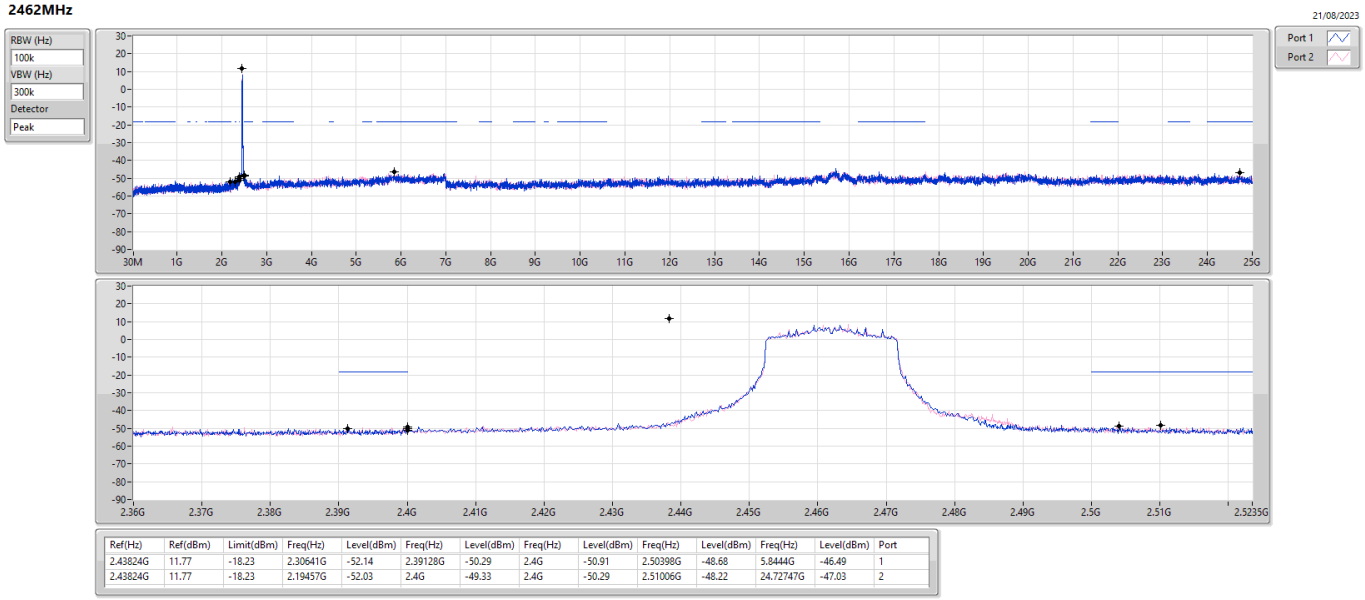
2437MHz



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
2.43824G	11.77	-18.23	2.30525G	-51.47	2.3992G	-37.45	2.4G	-38.92	2.50022G	-47.60	5.80788G	-46.89	1
2.43824G	11.77	-18.23	2.16428G	-51.76	2.39952G	-31.93	2.4G	-32.74	2.50366G	-44.00	5.93993G	-46.45	2

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

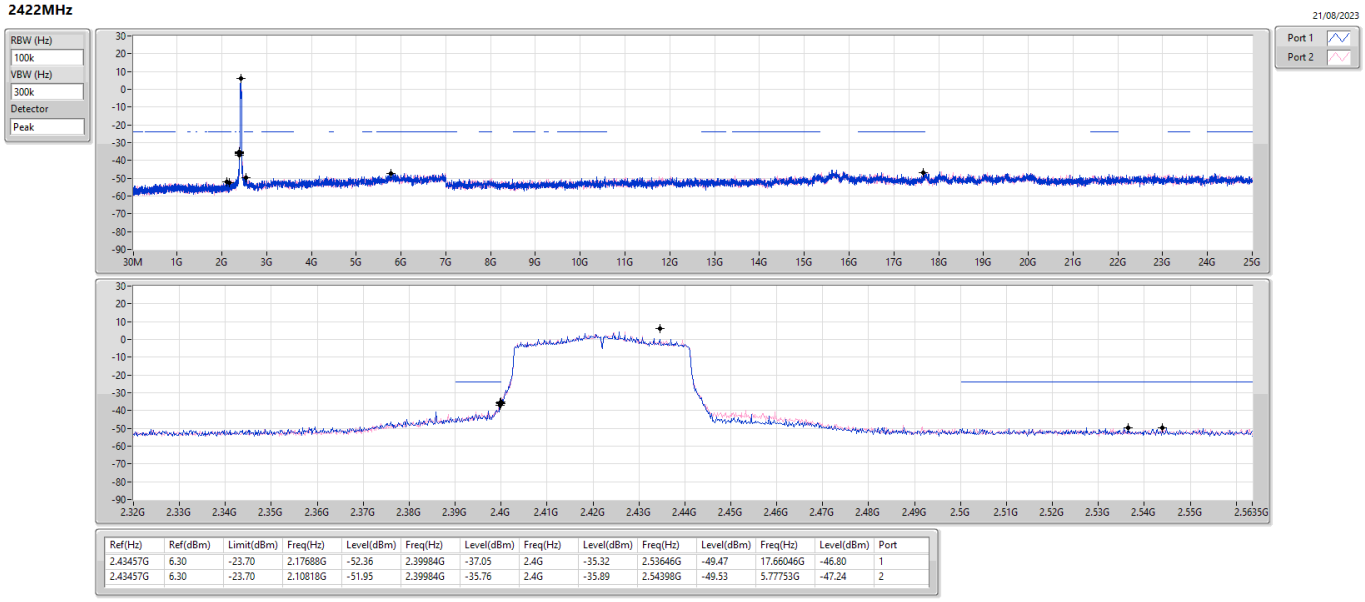
2462MHz



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
2.43824G	11.77	-18.23	2.30641G	-52.14	2.39128G	-50.29	2.4G	-50.91	2.50398G	-48.68	5.8444G	-46.49	1
2.43824G	11.77	-18.23	2.19457G	-52.03	2.4G	-49.33	2.4G	-50.29	2.51006G	-48.22	24.72747G	-47.03	2

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

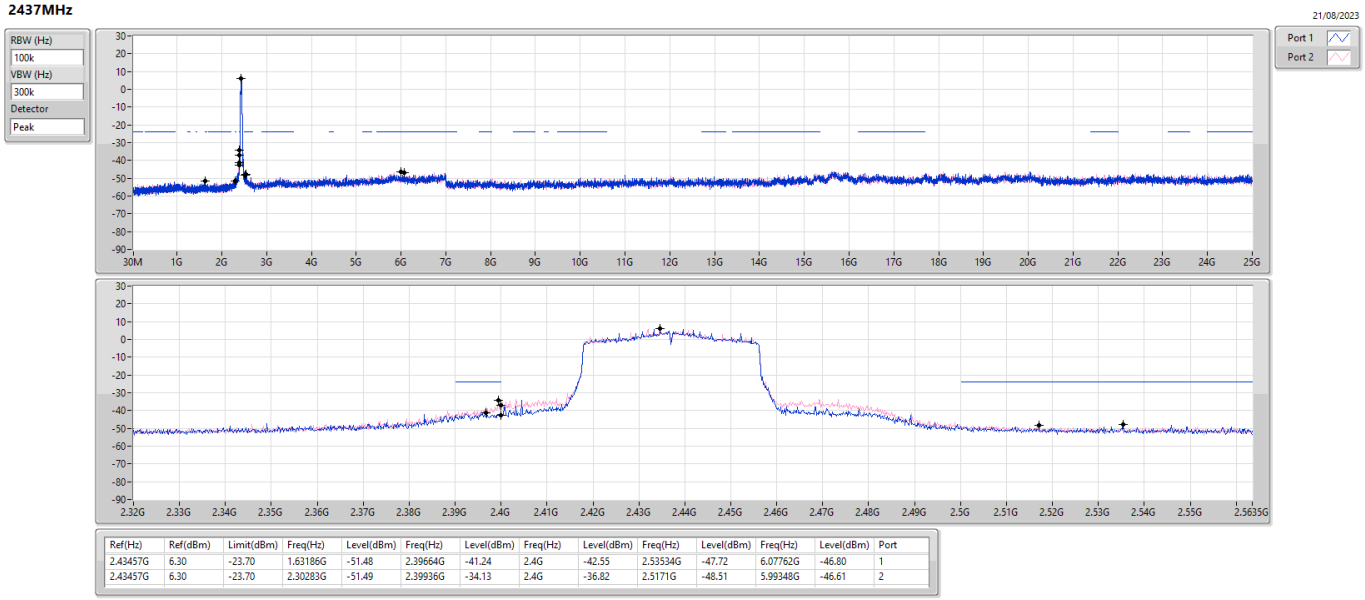
2422MHz



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
2.43457G	6.30	-23.70	2.17688G	-52.36	2.39984G	-37.05	2.4G	-35.32	2.53646G	-49.47	17.66046G	-46.80	1
2.43457G	6.30	-23.70	2.10818G	-51.95	2.39984G	-35.76	2.4G	-35.89	2.54398G	-49.53	5.77753G	-47.24	2

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

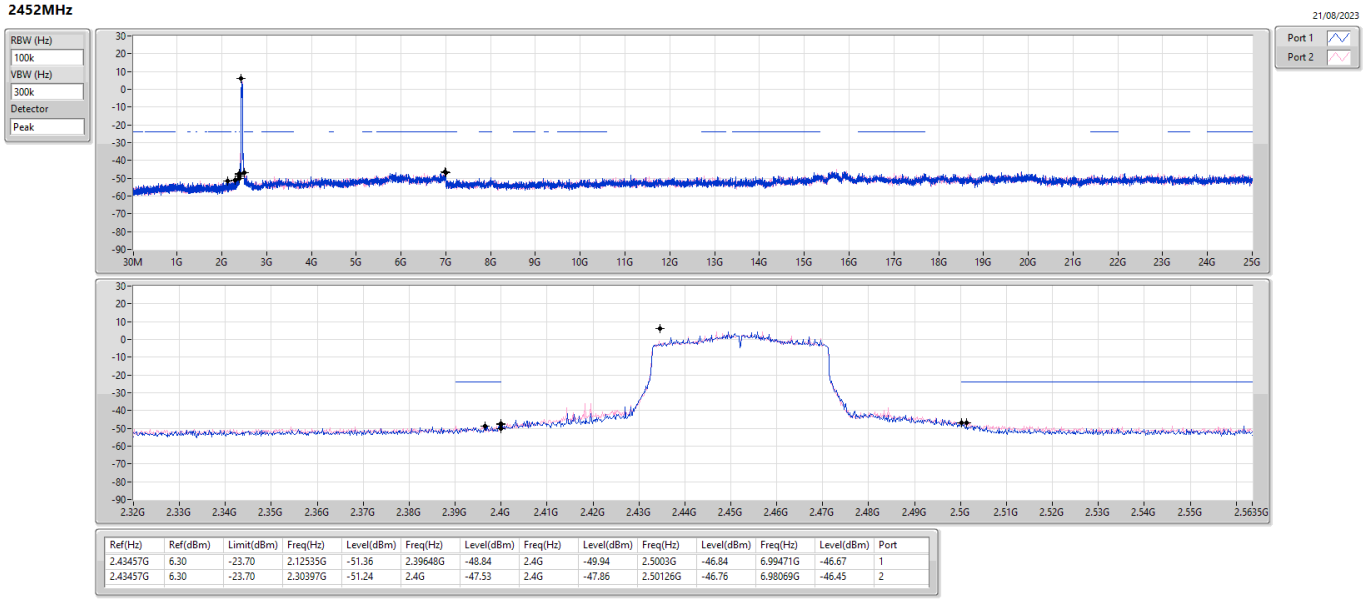
2437MHz



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
2.43457G	6.30	-23.70	1.63186G	-51.48	2.39664G	-41.24	2.4G	-42.55	2.53534G	-47.72	6.07762G	-46.80	1
2.43457G	6.30	-23.70	2.30283G	-51.49	2.39936G	-34.13	2.4G	-36.82	2.5171G	-48.51	5.99348G	-46.61	2

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

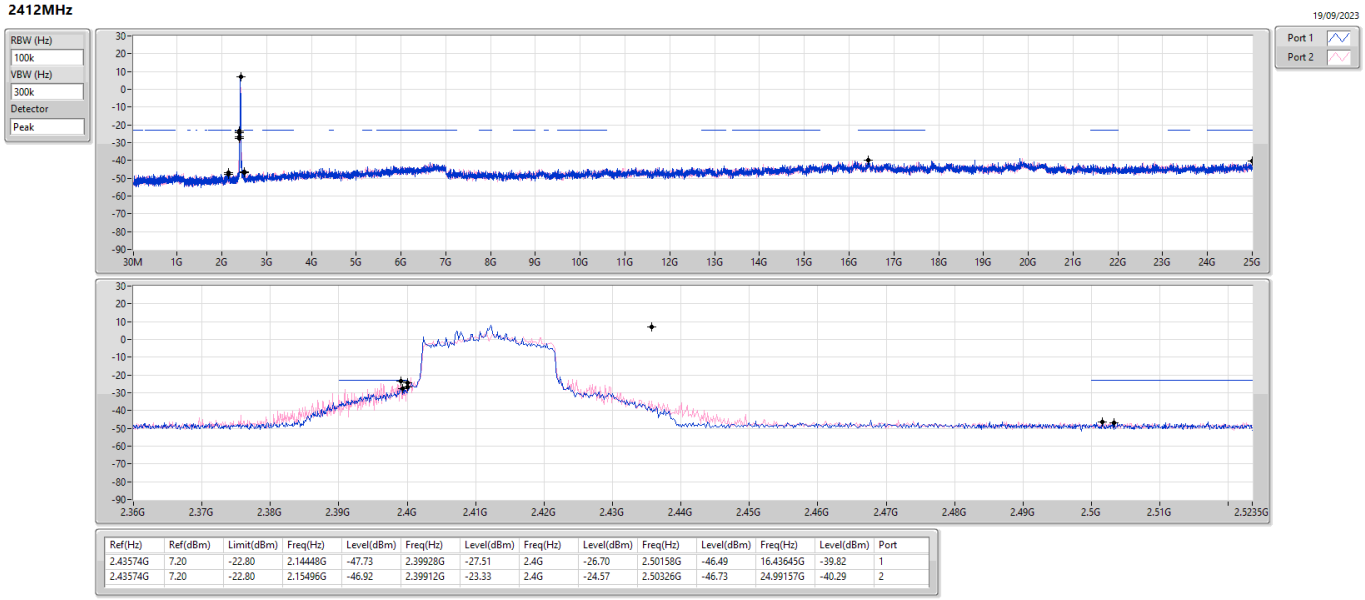
2452MHz



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
2.43457G	6.30	-23.70	2.12535G	-51.36	2.39648G	-48.84	2.4G	-49.94	2.5003G	-46.84	6.99471G	-46.67	1
2.43457G	6.30	-23.70	2.30397G	-51.24	2.4G	-47.53	2.4G	-47.86	2.50126G	-46.76	6.98069G	-46.45	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX CSENdB

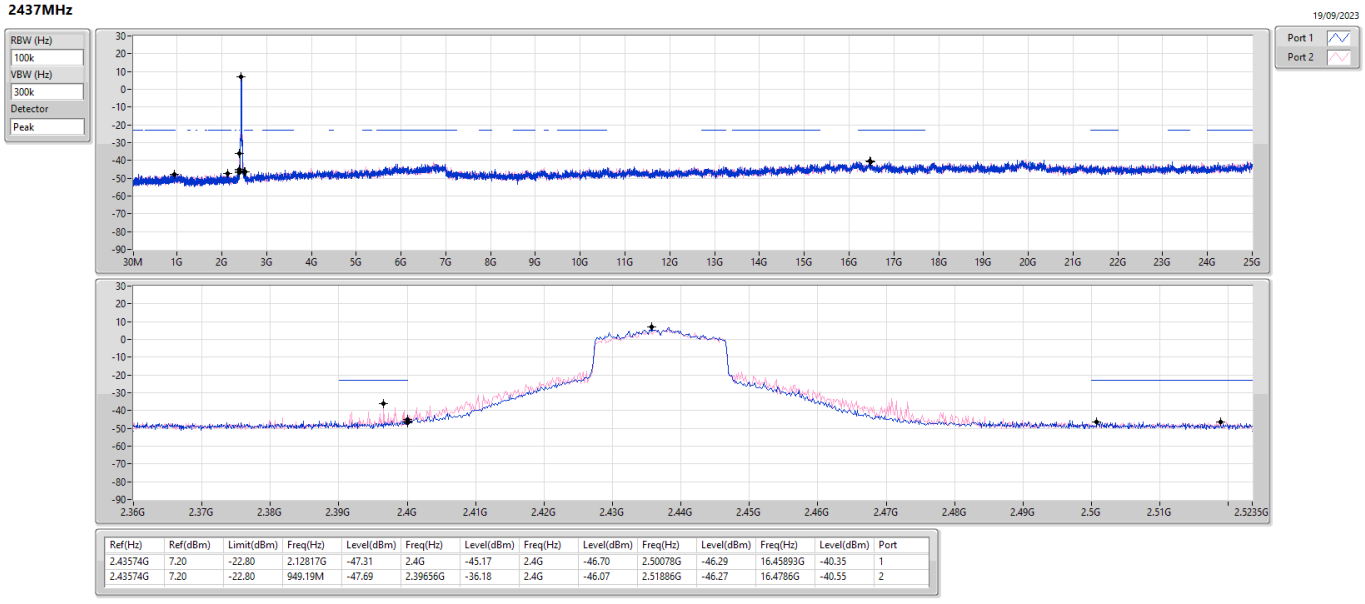
2412MHz



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	7.20	-22.80	2.14448G	-47.73	2.39928G	-27.51	2.4G	-26.70	2.50158G	-46.49	16.43645G	-39.82	1
2.43574G	7.20	-22.80	2.15496G	-46.92	2.39912G	-23.33	2.4G	-24.57	2.50326G	-46.73	24.99157G	-40.29	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX CSENdB

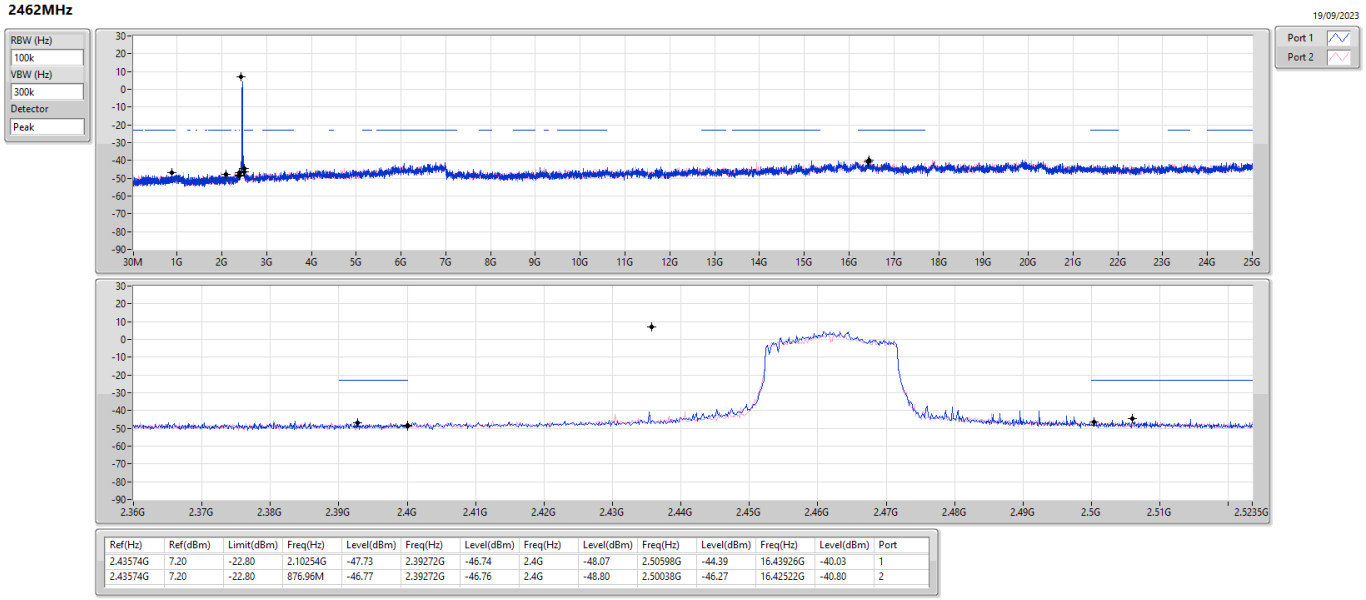
2437MHz



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	7.20	-22.80	2.12817G	-47.31	2.4G	-45.17	2.4G	-46.70	2.50078G	-46.29	16.45893G	-40.35	1
2.43574G	7.20	-22.80	949.19M	-47.69	2.39656G	-36.18	2.4G	-46.07	2.51886G	-46.27	16.4786G	-40.55	2

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX CSENdB

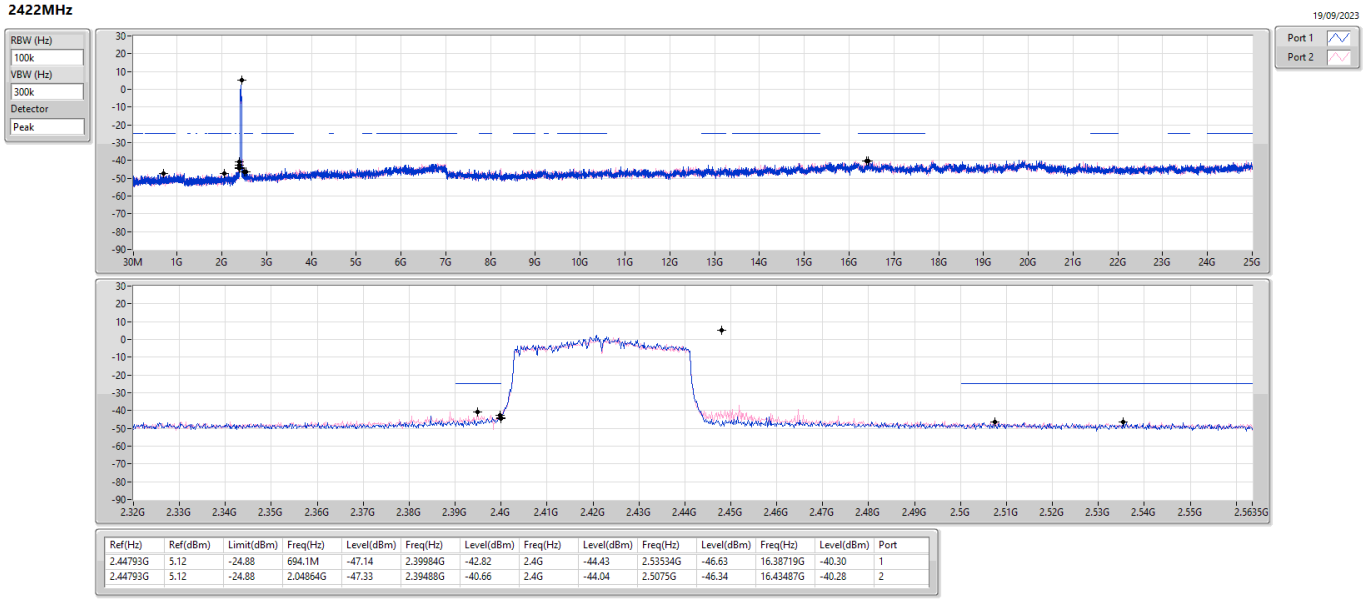
2462MHz



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	7.20	-22.80	2.10254G	-47.73	2.39272G	-46.74	2.4G	-48.07	2.50598G	-44.39	16.43926G	-40.03	1
2.43574G	7.20	-22.80	876.96M	-46.77	2.39272G	-46.76	2.4G	-48.80	2.50038G	-46.27	16.42522G	-40.80	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX CSENdB

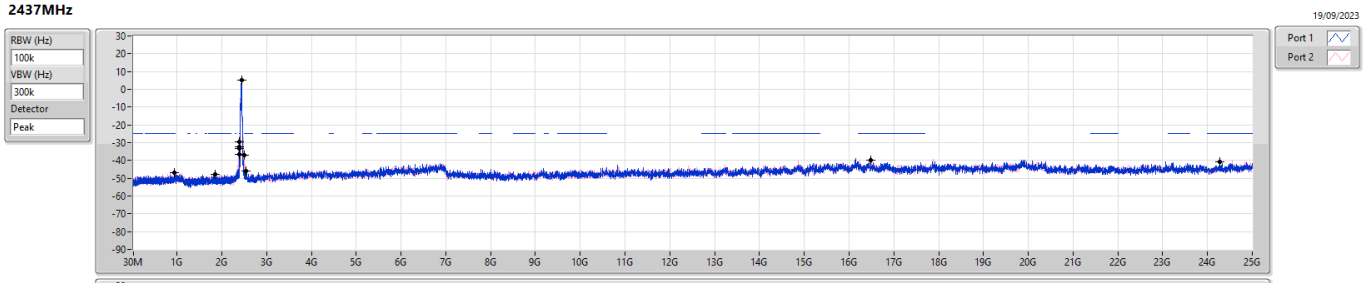
2422MHz

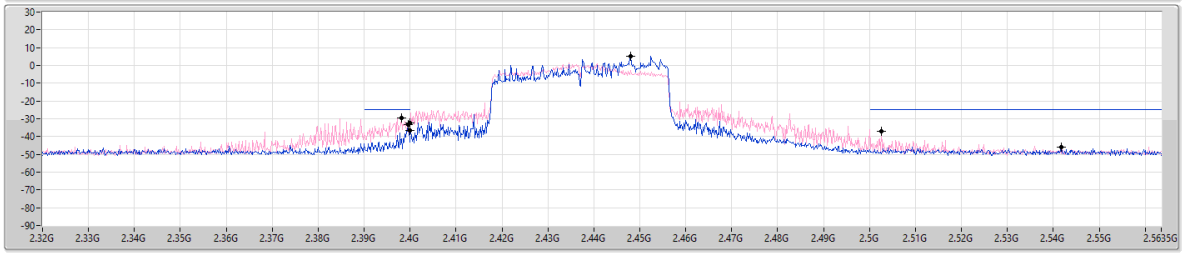


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44793G	5.12	-24.88	694.1M	-47.14	2.39984G	-42.82	2.4G	-44.43	2.53534G	-46.63	16.38719G	-40.30	1
2.44793G	5.12	-24.88	2.04864G	-47.33	2.39488G	-40.66	2.4G	-44.04	2.5075G	-46.34	16.43487G	-40.28	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX CSENdB

2437MHz

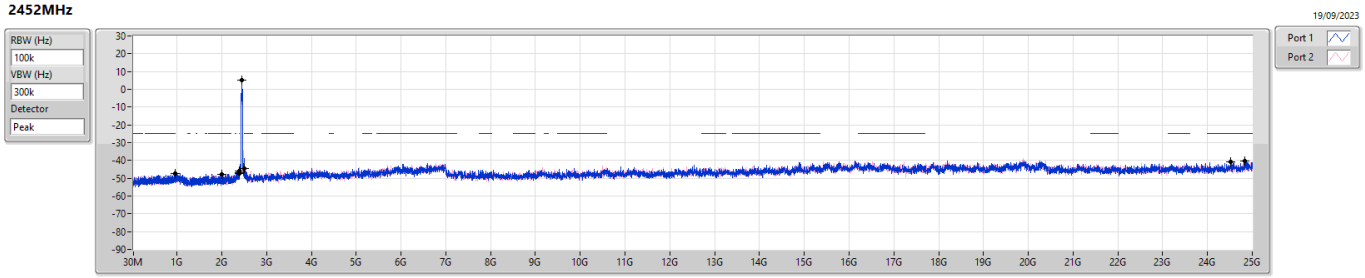




Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44793G	5.12	-24.88	1.86086G	-48.04	2.39952G	-33.43	2.4G	-36.52	2.54174G	-45.89	24.27081G	-40.94	1
2.44793G	5.12	-24.88	937.99M	-46.87	2.39808G	-29.50	2.4G	-32.57	2.50254G	-36.98	16.48535G	-39.96	2

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX CSENdB

2452MHz

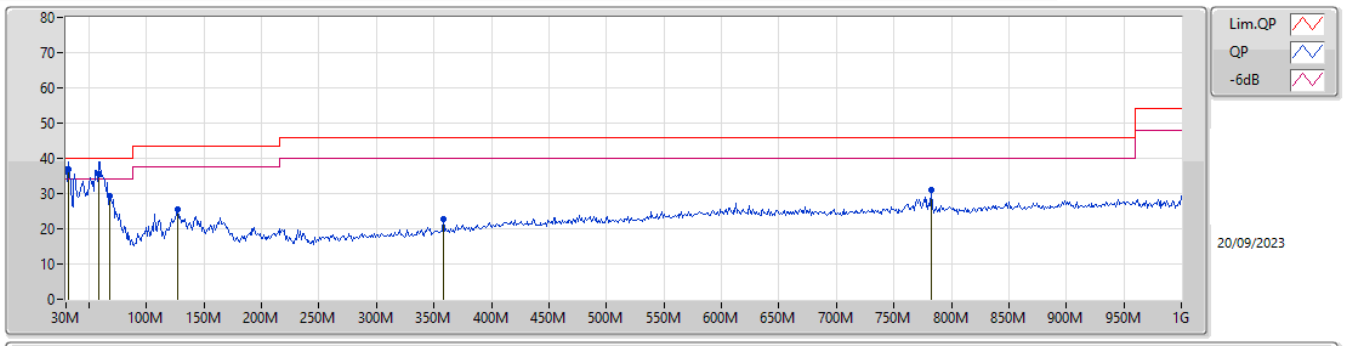


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44793G	5.12	-24.88	959.74M	-47.26	2.4G	-46.71	2.4G	-46.98	2.50334G	-44.70	24.52322G	-40.90	1
2.44793G	5.12	-24.88	1.99253G	-47.81	2.39424G	-45.89	2.4G	-47.17	2.50414G	-44.61	24.83734G	-40.50	2

Summary

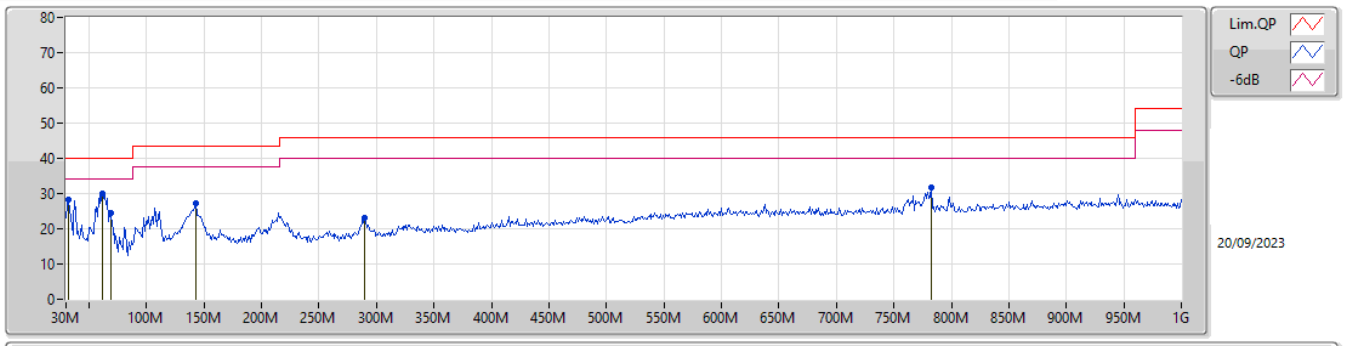
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	QP	31.94M	36.99	40.00	-3.01	Vertical

Mode 3



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	31.94M	36.99	40.00	-3.01	-7.31	3	Vertical	162	2.00	"Worst"	44.30	23.26	0.65	31.22
QP	58.13M	35.43	40.00	-4.57	-17.84	3	Vertical	349	1.25	-	53.27	13.02	0.86	31.72
PK	67.83M	29.22	40.00	-10.78	-17.94	3	Vertical	197	1.00	-	47.16	12.89	0.91	31.74
PK	127M	25.57	43.50	-17.93	-12.40	3	Vertical	103	1.00	-	37.97	18.08	1.23	31.71
PK	357.86M	22.64	46.00	-23.36	-9.27	3	Vertical	2	1.25	-	31.91	20.48	2.07	31.82
PK	782.72M	30.95	46.00	-15.05	-3.48	3	Vertical	262	3.00	-	34.43	25.78	3.04	32.30

Mode 3



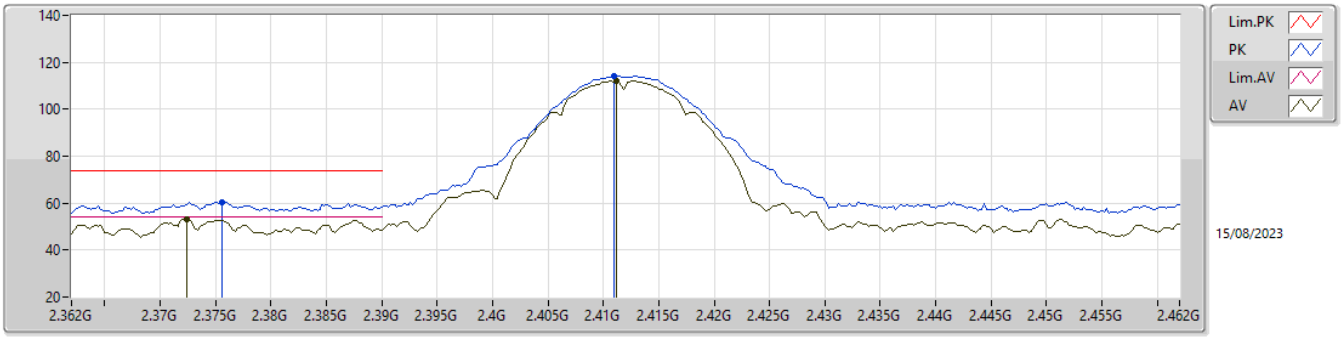
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	31.94M	28.26	40.00	-11.74	-7.31	3	Horizontal	213	2.00	-	35.57	23.26	0.65	31.22
PK	62.01M	30.17	40.00	-9.83	-17.93	3	Horizontal	264	2.00	"Worst"	48.10	12.94	0.88	31.75
PK	68.8M	24.63	40.00	-15.37	-17.90	3	Horizontal	256	2.00	-	42.53	12.92	0.91	31.73
PK	142.52M	27.08	43.50	-16.42	-13.44	3	Horizontal	86	3.00	-	40.52	17.08	1.30	31.82
PK	289.96M	23.21	46.00	-22.79	-11.08	3	Horizontal	0	1.00	-	34.29	18.88	1.87	31.83
PK	782.72M	31.66	46.00	-14.34	-3.48	3	Horizontal	288	1.25	-	35.14	25.78	3.04	32.30

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	Pass	PK	2.3824G	73.97	74.00	-0.03	3	Horizontal	360	1.72	-

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

2412MHz_TX

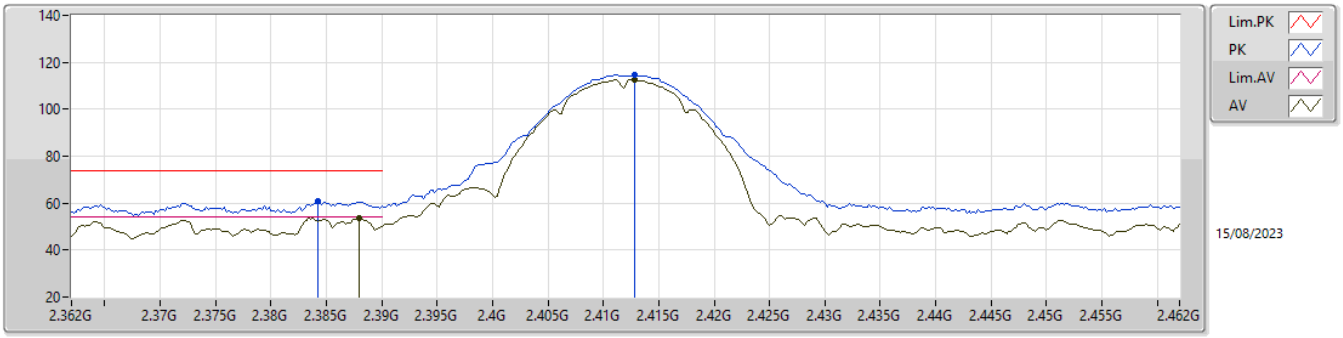


EUT Y_2TX
Setting 20
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3756G	60.53	74.00	-13.47	29.79	3	Vertical	351	2.44	-	27.55	3.19	-
AV	2.3724G	53.28	54.00	-0.72	22.56	3	Vertical	351	2.44	-	27.53	3.19	-
PK	2.411G	114.26	Inf	-Inf	83.35	3	Vertical	351	2.44	-	27.70	3.21	-
AV	2.4112G	112.01	Inf	-Inf	81.10	3	Vertical	351	2.44	-	27.70	3.21	-

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

2412MHz_TX

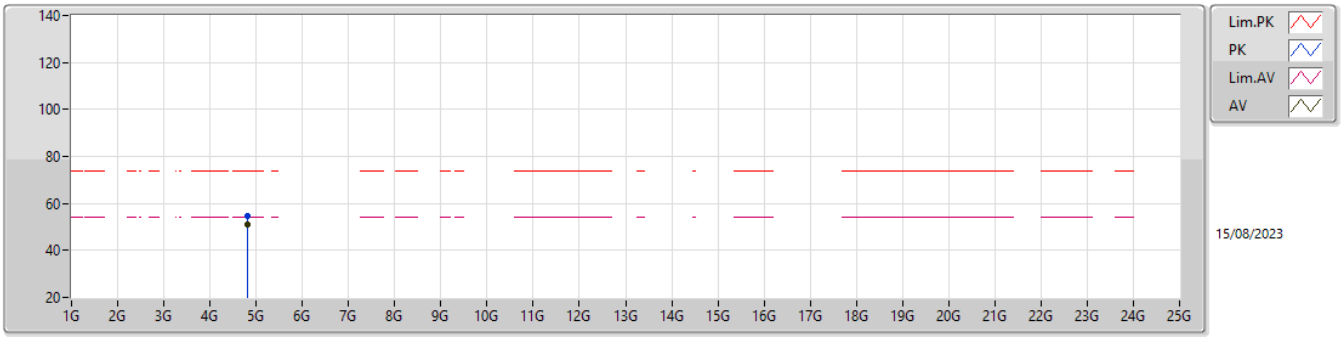


EUT Y_2TX
Setting 20
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3842G	60.73	74.00	-13.27	29.93	3	Horizontal	30	2.09	-	27.61	3.19	-
AV	2.388G	53.64	54.00	-0.36	22.82	3	Horizontal	30	2.09	-	27.63	3.19	-
PK	2.4128G	114.78	Inf	-Inf	83.87	3	Horizontal	30	2.09	-	27.70	3.21	-
AV	2.4128G	112.52	Inf	-Inf	81.61	3	Horizontal	30	2.09	-	27.70	3.21	-

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

2412MHz_TX

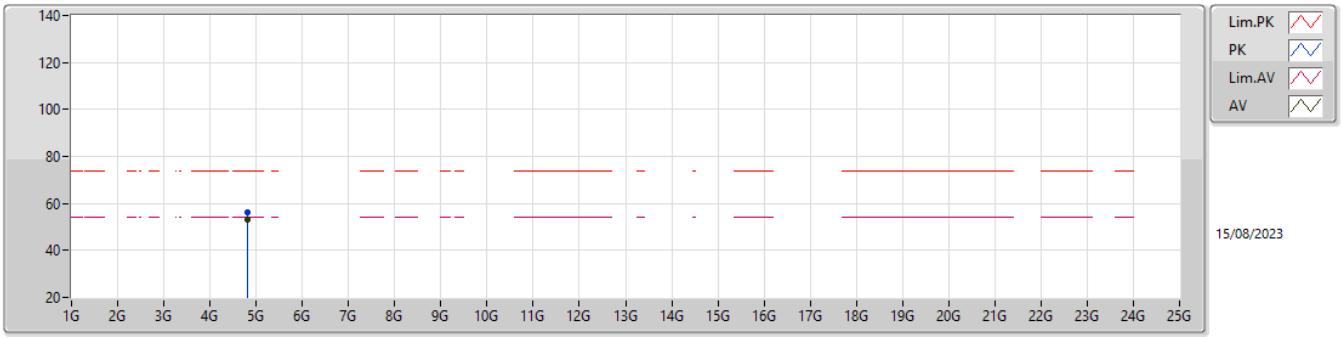


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82402G	54.63	74.00	-19.37	49.31	3	Vertical	55	2.17	-	32.65	5.30	32.63
AV	4.82378G	51.20	54.00	-2.80	45.88	3	Vertical	55	2.17	-	32.65	5.30	32.63

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

2412MHz_TX

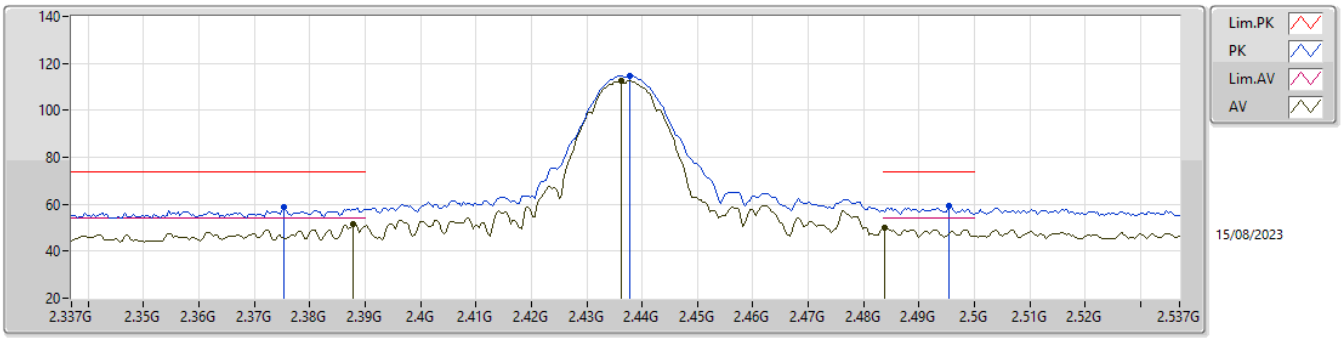


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82416G	56.19	74.00	-17.81	50.86	3	Horizontal	166	1.80	-	32.65	5.30	32.62
AV	4.82376G	53.22	54.00	-0.78	47.90	3	Horizontal	166	1.80	-	32.65	5.30	32.63

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

2437MHz_TX

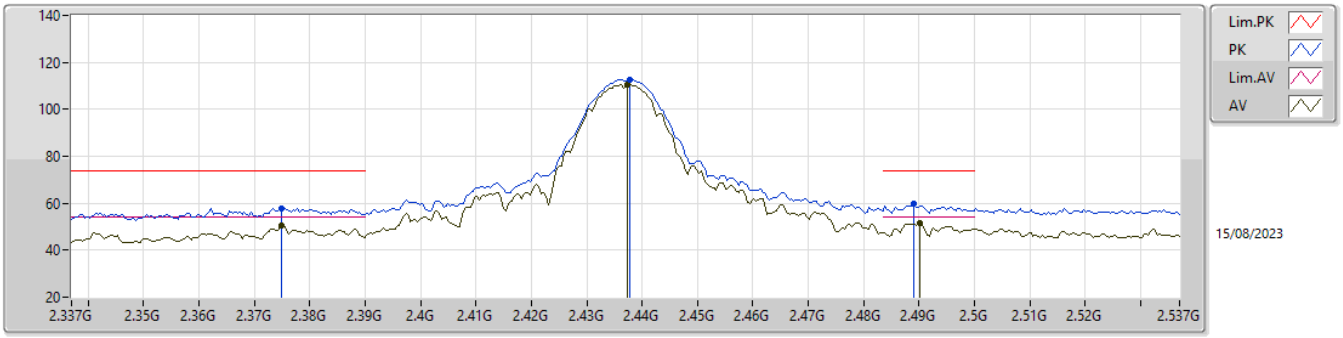


EUT Y_2TX
Setting 22
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3754G	58.88	74.00	-15.12	28.14	3	Vertical	4	1.63	-	27.55	3.19	-
AV	2.3878G	51.79	54.00	-2.21	20.97	3	Vertical	4	1.63	-	27.63	3.19	-
PK	2.4378G	114.75	Inf	-Inf	83.81	3	Vertical	4	1.63	-	27.70	3.24	-
AV	2.4362G	112.57	Inf	-Inf	81.63	3	Vertical	4	1.63	-	27.70	3.24	-
PK	2.4954G	59.51	74.00	-14.49	28.33	3	Vertical	4	1.63	-	27.88	3.30	-
AV	2.4838G	49.82	54.00	-4.18	18.70	3	Vertical	4	1.63	-	27.84	3.28	-

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

2437MHz_TX

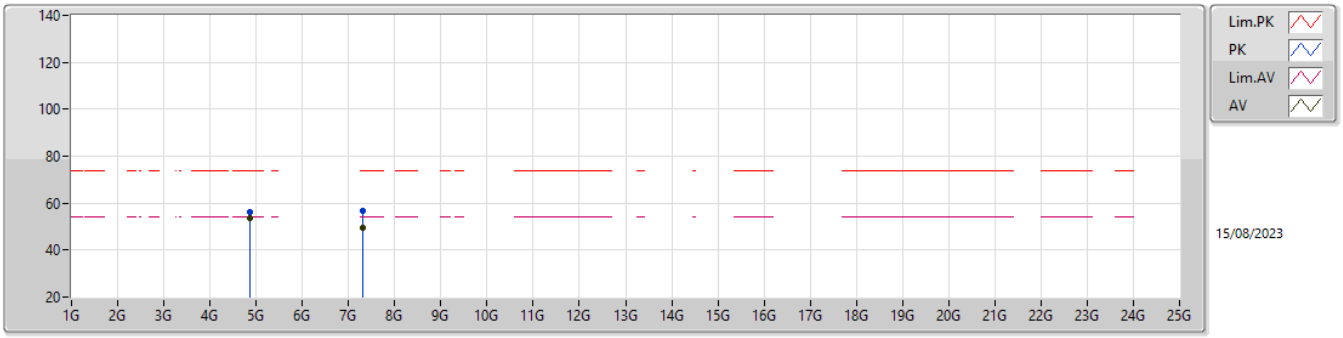


EUT Y_2TX
Setting 22
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.375G	57.98	74.00	-16.02	27.24	3	Horizontal	24	1.86	-	27.55	3.19	-
AV	2.375G	50.69	54.00	-3.31	19.95	3	Horizontal	24	1.86	-	27.55	3.19	-
PK	2.4378G	112.75	Inf	-Inf	81.81	3	Horizontal	24	1.86	-	27.70	3.24	-
AV	2.4374G	110.51	Inf	-Inf	79.57	3	Horizontal	24	1.86	-	27.70	3.24	-
PK	2.489G	59.59	74.00	-14.41	28.44	3	Horizontal	24	1.86	-	27.86	3.29	-
AV	2.4902G	51.49	54.00	-2.51	20.34	3	Horizontal	24	1.86	-	27.86	3.29	-

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

2437MHz_TX

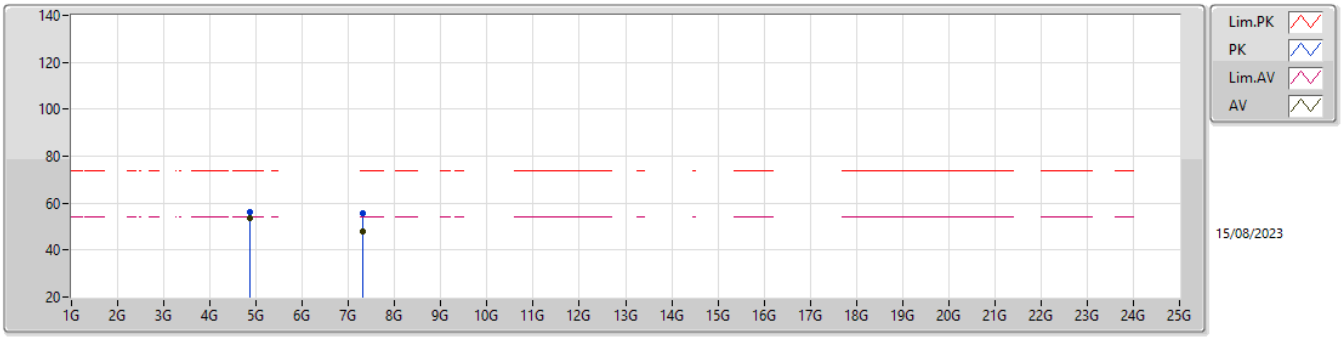


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87406G	56.38	74.00	-17.62	50.84	3	Vertical	214	1.87	-	32.75	5.30	32.51
AV	4.87374G	53.52	54.00	-0.48	47.98	3	Vertical	214	1.87	-	32.75	5.30	32.51
PK	7.31194G	56.57	74.00	-17.43	46.05	3	Vertical	345	2.13	-	37.70	6.91	34.09
AV	7.31144G	49.64	54.00	-4.36	39.12	3	Vertical	345	2.13	-	37.70	6.91	34.09

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

2437MHz_TX

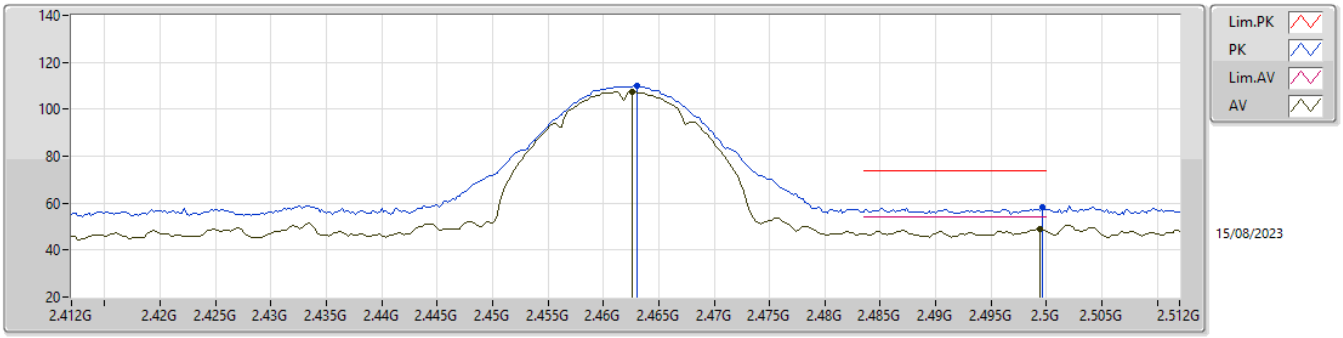


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87396G	56.42	74.00	-17.58	50.88	3	Horizontal	216	1.72	-	32.75	5.30	32.51
AV	4.8738G	53.69	54.00	-0.31	48.15	3	Horizontal	216	1.72	-	32.75	5.30	32.51
PK	7.3094G	55.73	74.00	-18.27	45.21	3	Horizontal	202	2.17	-	37.70	6.91	34.09
AV	7.31152G	47.78	54.00	-6.22	37.26	3	Horizontal	202	2.17	-	37.70	6.91	34.09

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

2462MHz_TX

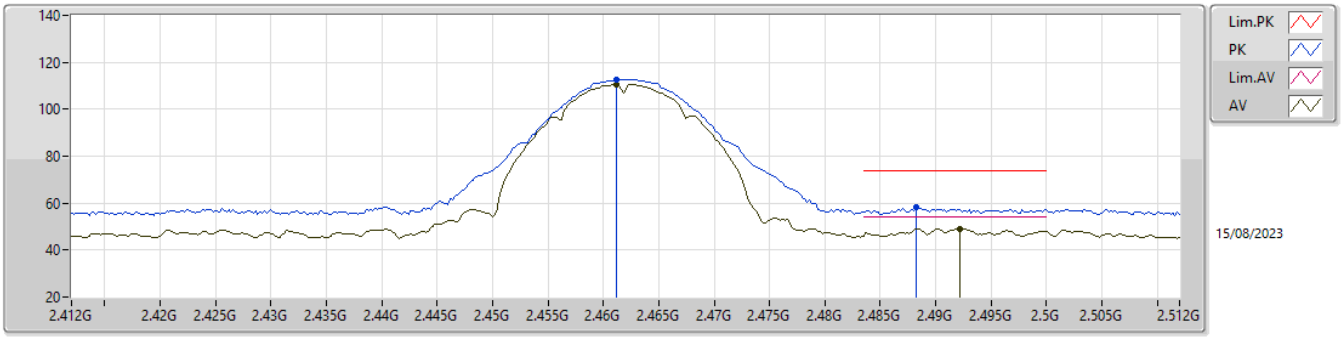


EUT Y_2TX
Setting 20.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	109.84	Inf	-Inf	78.83	3	Vertical	4	2.04	-	27.75	3.26	-
AV	2.4626G	107.49	Inf	-Inf	76.48	3	Vertical	4	2.04	-	27.75	3.26	-
PK	2.4996G	58.39	74.00	-15.61	27.19	3	Vertical	4	2.04	-	27.90	3.30	-
AV	2.4994G	48.92	54.00	-5.08	17.72	3	Vertical	4	2.04	-	27.90	3.30	-

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

2462MHz_TX

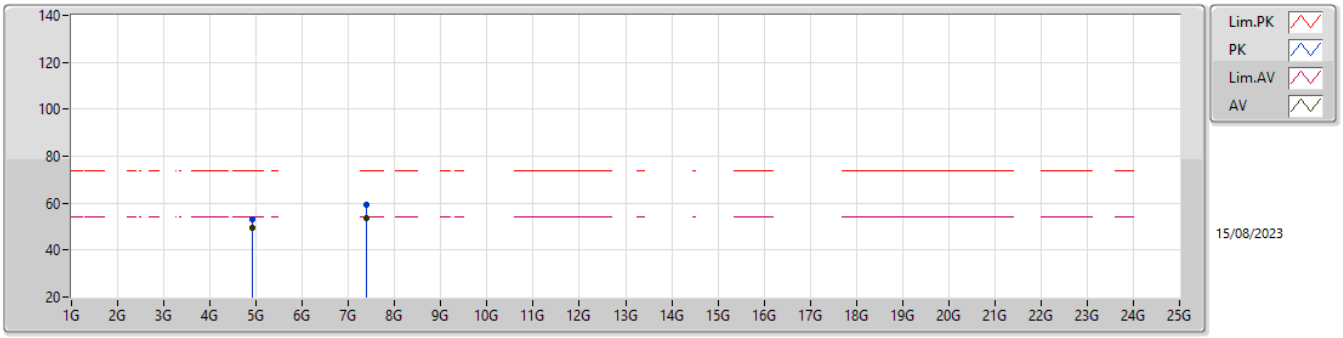


EUT Y_2TX
Setting 20.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4612G	112.73	Inf	-Inf	81.73	3	Horizontal	350	1.82	-	27.74	3.26	-
AV	2.4612G	110.48	Inf	-Inf	79.48	3	Horizontal	350	1.82	-	27.74	3.26	-
PK	2.4882G	58.17	74.00	-15.83	27.03	3	Horizontal	350	1.82	-	27.85	3.29	-
AV	2.4922G	49.05	54.00	-4.95	17.89	3	Horizontal	350	1.82	-	27.87	3.29	-

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

2462MHz_TX

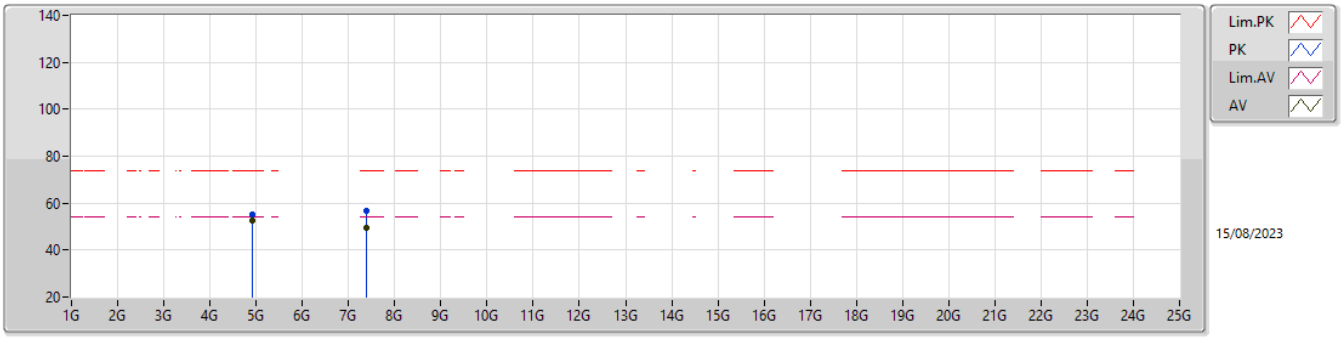


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92384G	53.25	74.00	-20.75	47.49	3	Vertical	217	1.16	-	32.85	5.30	32.39
AV	4.92382G	49.48	54.00	-4.52	43.72	3	Vertical	217	1.16	-	32.85	5.30	32.39
PK	7.38506G	59.39	74.00	-14.61	48.96	3	Vertical	342	2.59	-	37.56	6.99	34.12
AV	7.38654G	53.62	54.00	-0.38	43.20	3	Vertical	342	2.59	-	37.55	6.99	34.12

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

2462MHz_TX

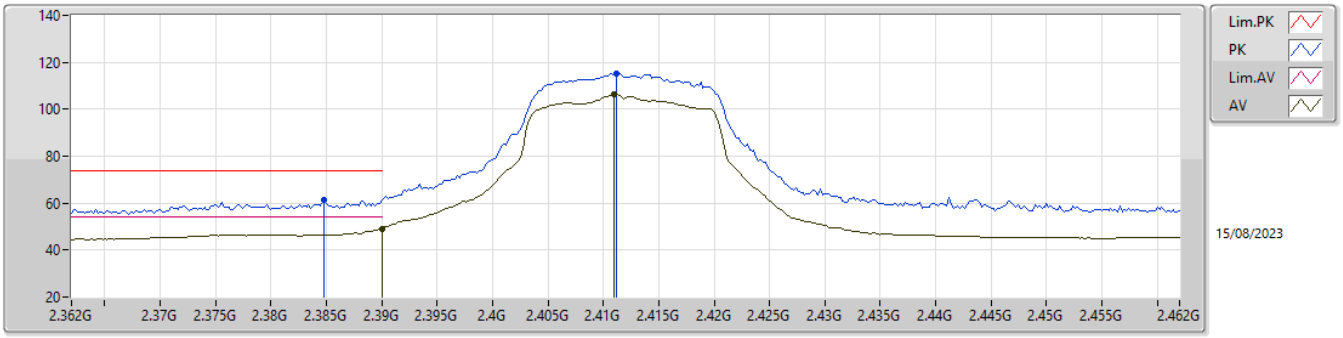


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92404G	55.43	74.00	-18.57	49.67	3	Horizontal	210	2.31	-	32.85	5.30	32.39
AV	4.9238G	52.69	54.00	-1.31	46.93	3	Horizontal	210	2.31	-	32.85	5.30	32.39
PK	7.38514G	56.68	74.00	-17.32	46.25	3	Horizontal	209	2.22	-	37.56	6.99	34.12
AV	7.3867G	49.33	54.00	-4.67	38.91	3	Horizontal	209	2.22	-	37.55	6.99	34.12

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

2412MHz_TX

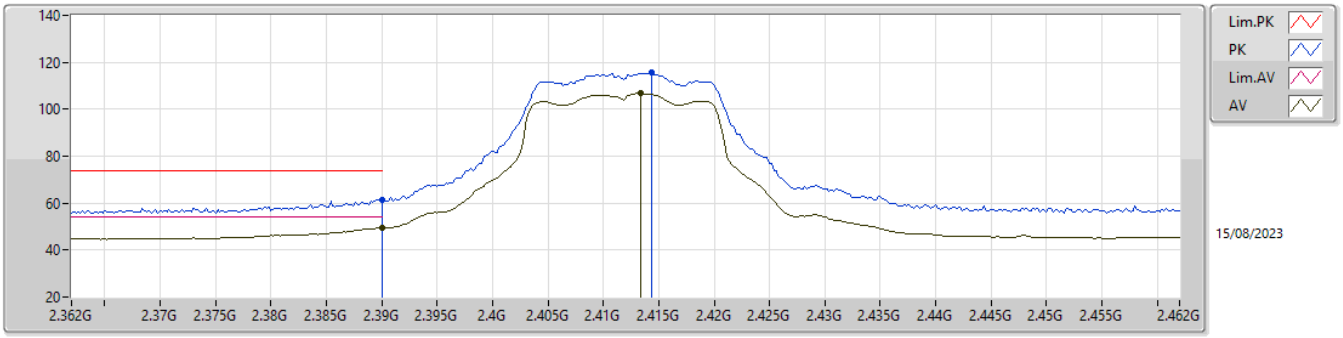


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3848G	61.25	74.00	-12.75	30.45	3	Vertical	344	2.44	-	27.61	3.19	-
AV	2.39G	49.16	54.00	-4.84	18.32	3	Vertical	344	2.44	-	27.64	3.20	-
PK	2.4112G	115.20	Inf	-Inf	84.29	3	Vertical	344	2.44	-	27.70	3.21	-
AV	2.411G	106.24	Inf	-Inf	75.33	3	Vertical	344	2.44	-	27.70	3.21	-

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

2412MHz_TX

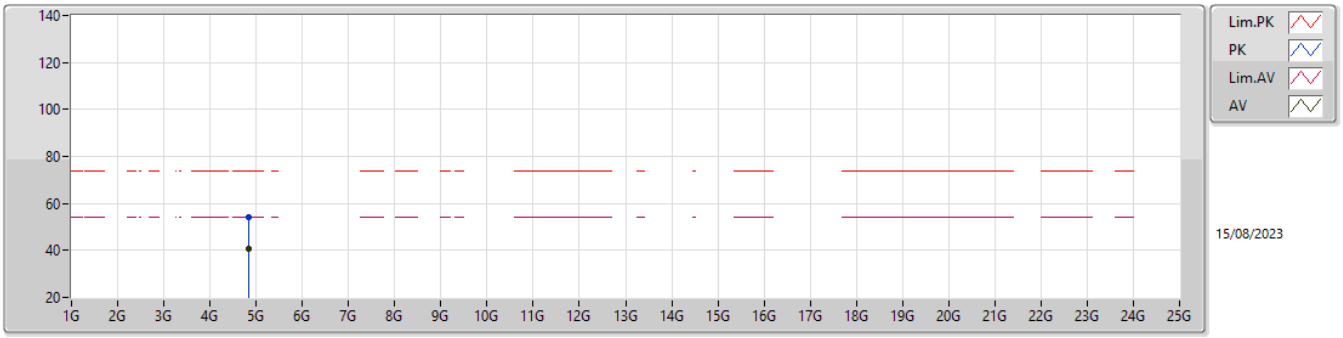


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	61.57	74.00	-12.43	30.73	3	Horizontal	356	2.11	-	27.64	3.20	-
AV	2.39G	49.26	54.00	-4.74	18.42	3	Horizontal	356	2.11	-	27.64	3.20	-
PK	2.4144G	115.74	Inf	-Inf	84.83	3	Horizontal	356	2.11	-	27.70	3.21	-
AV	2.4134G	106.68	Inf	-Inf	75.77	3	Horizontal	356	2.11	-	27.70	3.21	-

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

2412MHz_TX

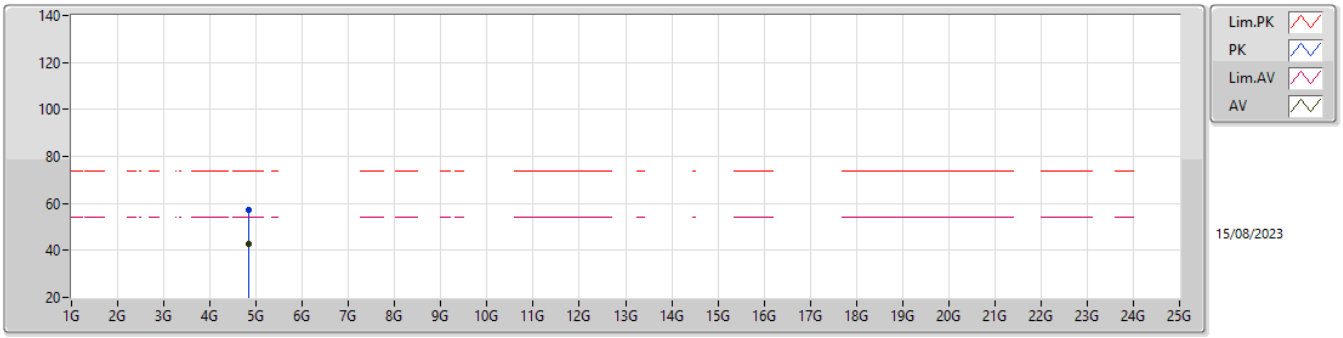


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8258G	54.24	74.00	-19.76	48.91	3	Vertical	218	1.62	-	32.65	5.30	32.62
AV	4.82514G	40.74	54.00	-13.26	35.41	3	Vertical	218	1.62	-	32.65	5.30	32.62

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

2412MHz_TX

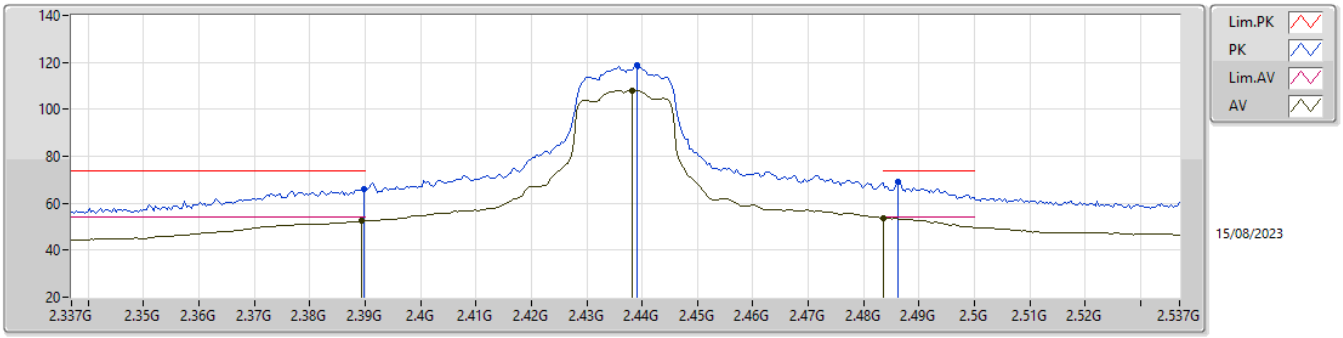


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82508G	57.07	74.00	-16.93	51.74	3	Horizontal	217	1.91	-	32.65	5.30	32.62
AV	4.82502G	42.73	54.00	-11.27	37.40	3	Horizontal	217	1.91	-	32.65	5.30	32.62

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

2437MHz_TX

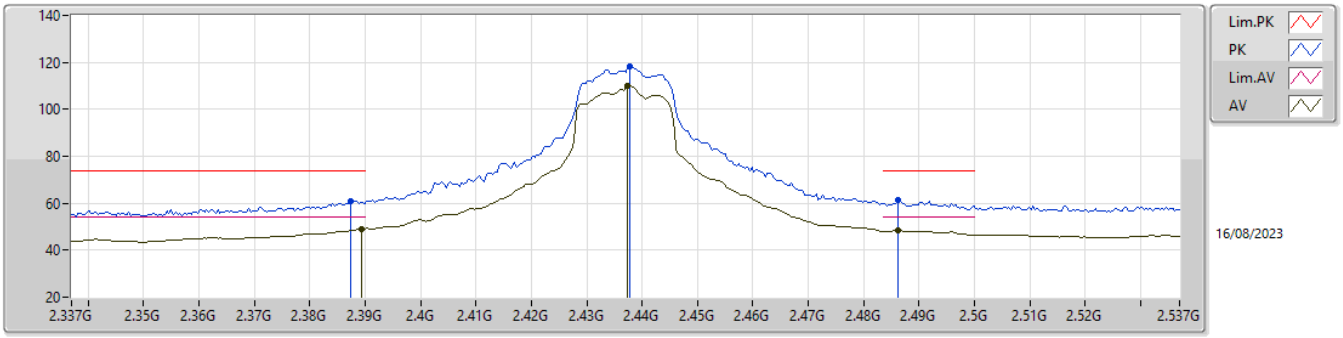


EUT Y_2TX
Setting 19.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	66.04	74.00	-7.96	35.21	3	Vertical	-0	2.35	-	27.64	3.19	-
AV	2.3894G	52.46	54.00	-1.54	21.63	3	Vertical	-0	2.35	-	27.64	3.19	-
PK	2.439G	118.74	Inf	-Inf	87.80	3	Vertical	-0	2.35	-	27.70	3.24	-
AV	2.4382G	108.17	Inf	-Inf	77.23	3	Vertical	-0	2.35	-	27.70	3.24	-
PK	2.4862G	69.13	74.00	-4.87	38.00	3	Vertical	-0	2.35	-	27.84	3.29	-
AV	2.4835G	53.78	54.00	-0.22	22.67	3	Vertical	-0	2.35	-	27.83	3.28	-

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

2437MHz_TX

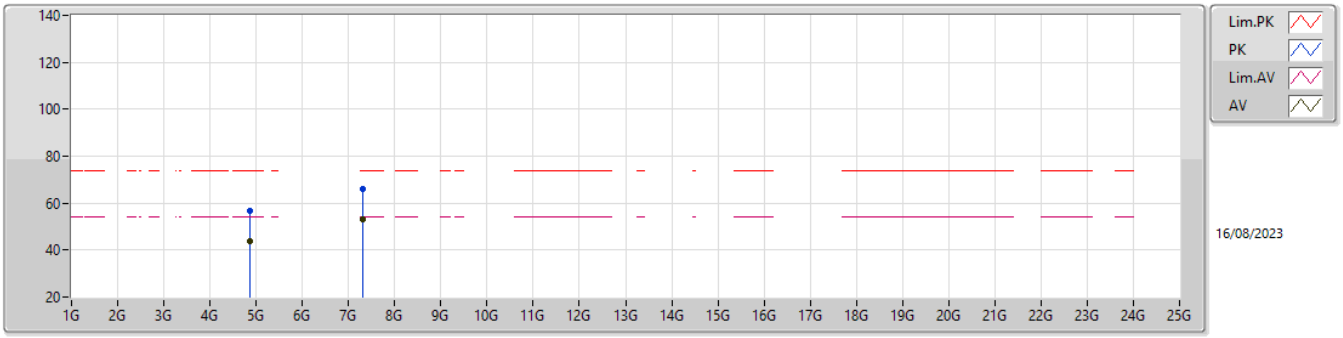


EUT Y_2TX
Setting 19.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3874G	61.03	74.00	-12.97	30.22	3	Horizontal	8	1.88	-	27.62	3.19	-
AV	2.3894G	49.15	54.00	-4.85	18.32	3	Horizontal	8	1.88	-	27.64	3.19	-
PK	2.4378G	118.33	Inf	-Inf	87.39	3	Horizontal	8	1.88	-	27.70	3.24	-
AV	2.4374G	109.91	Inf	-Inf	78.97	3	Horizontal	8	1.88	-	27.70	3.24	-
PK	2.4862G	61.14	74.00	-12.86	30.01	3	Horizontal	8	1.88	-	27.84	3.29	-
AV	2.4862G	48.34	54.00	-5.66	17.21	3	Horizontal	8	1.88	-	27.84	3.29	-

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

2437MHz_TX

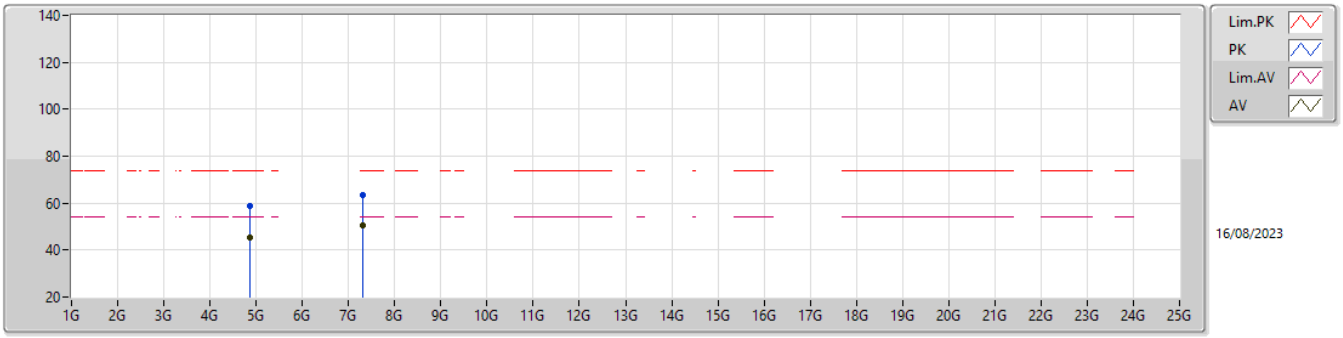


EUT Y_2TX
Setting 19.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8752G	56.48	74.00	-17.52	50.93	3	Vertical	218	1.39	-	32.75	5.30	32.50
AV	4.87508G	43.88	54.00	-10.12	38.33	3	Vertical	218	1.39	-	32.75	5.30	32.50
PK	7.30566G	65.91	74.00	-8.09	55.39	3	Vertical	347	2.14	-	37.70	6.91	34.09
AV	7.31034G	52.85	54.00	-1.15	42.33	3	Vertical	347	2.14	-	37.70	6.91	34.09

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

2437MHz_TX

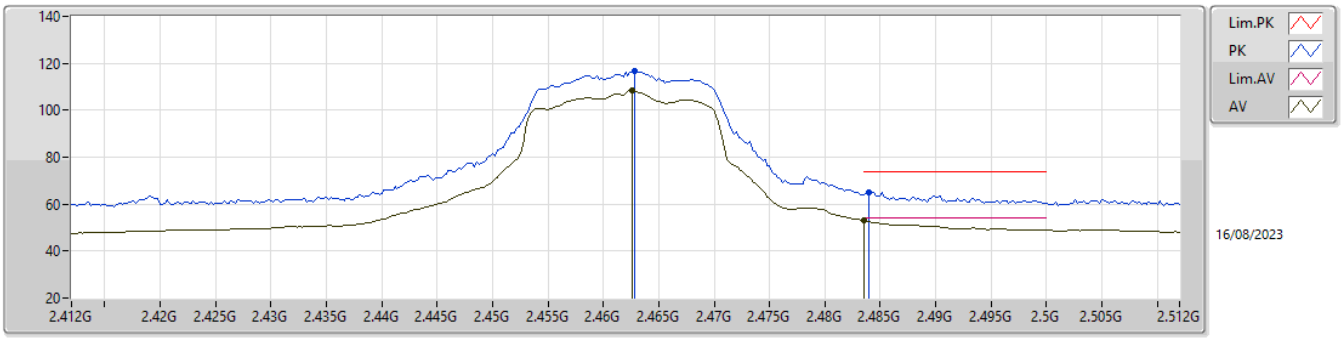


EUT Y_2TX
Setting 19.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87484G	58.91	74.00	-15.09	53.37	3	Horizontal	213	1.85	-	32.75	5.30	32.51
AV	4.87472G	45.55	54.00	-8.45	40.01	3	Horizontal	213	1.85	-	32.75	5.30	32.51
PK	7.3122G	63.50	74.00	-10.50	52.98	3	Horizontal	207	2.26	-	37.70	6.91	34.09
AV	7.30698G	50.49	54.00	-3.51	39.97	3	Horizontal	207	2.26	-	37.70	6.91	34.09

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

2462MHz_TX

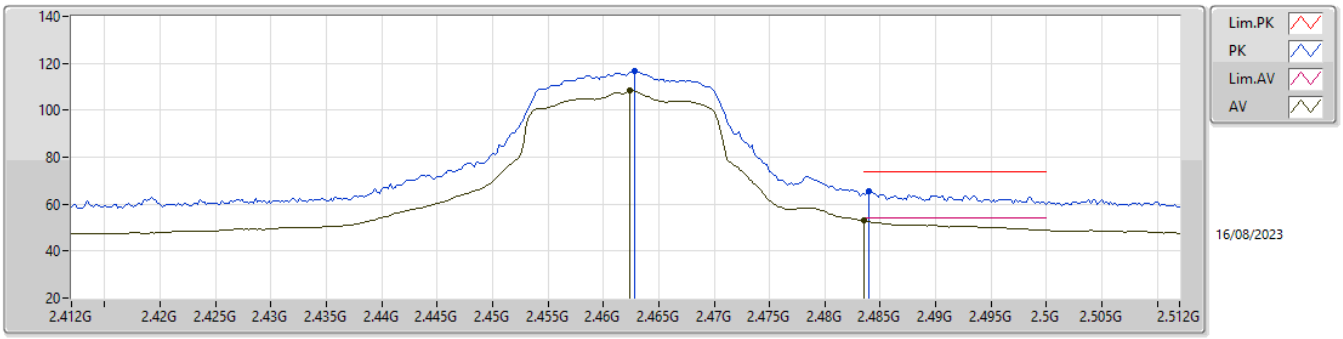


EUT Y_2TX
Setting 17.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4628G	116.58	Inf	-Inf	85.57	3	Vertical	-0	2.09	-	27.75	3.26	-
AV	2.4626G	108.24	Inf	-Inf	77.23	3	Vertical	-0	2.09	-	27.75	3.26	-
PK	2.484G	65.20	74.00	-8.80	34.08	3	Vertical	-0	2.09	-	27.84	3.28	-
AV	2.4835G	53.07	54.00	-0.93	21.96	3	Vertical	-0	2.09	-	27.83	3.28	-

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

2462MHz_TX

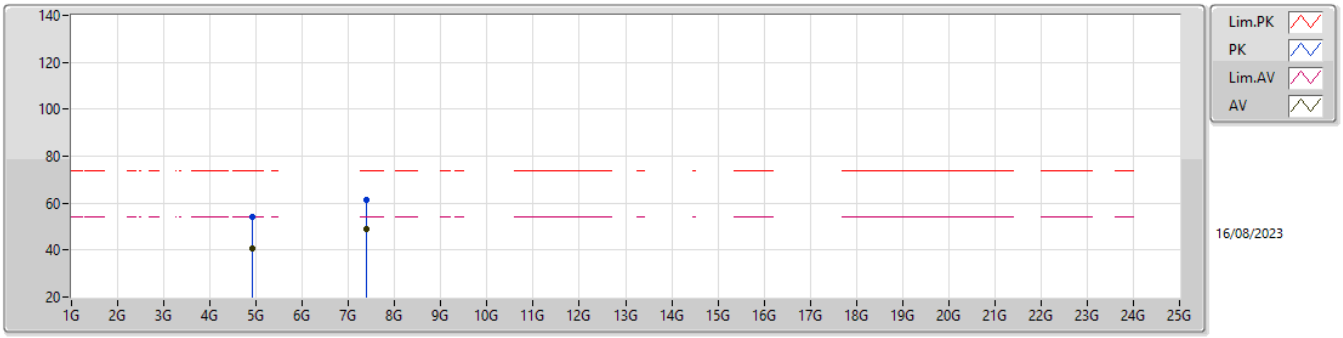


EUT Y_2TX
Setting 17.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4628G	116.57	Inf	-Inf	85.56	3	Horizontal	356	1.82	-	27.75	3.26	-
AV	2.4624G	108.24	Inf	-Inf	77.23	3	Horizontal	356	1.82	-	27.75	3.26	-
PK	2.484G	65.58	74.00	-8.42	34.46	3	Horizontal	356	1.82	-	27.84	3.28	-
AV	2.4835G	53.00	54.00	-1.00	21.89	3	Horizontal	356	1.82	-	27.83	3.28	-

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

2462MHz_TX

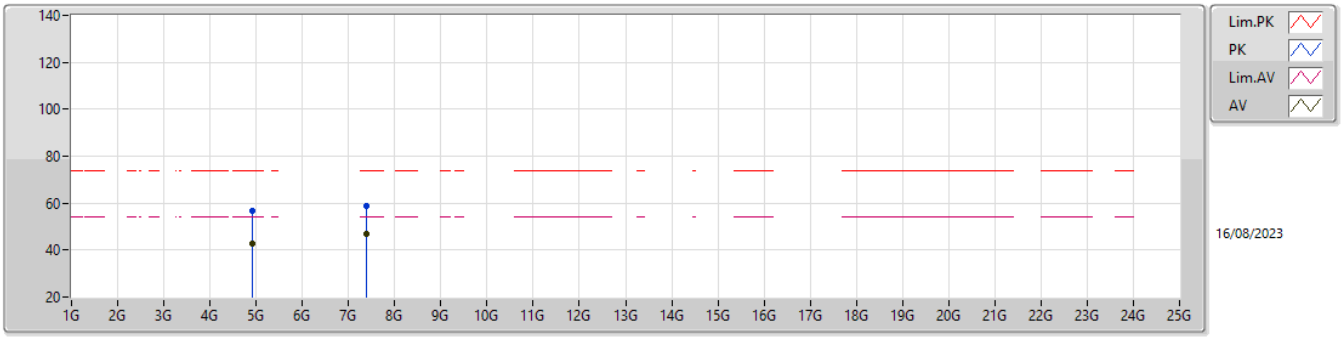


EUT Y_2TX
Setting 17.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92576G	54.28	74.00	-19.72	48.52	3	Vertical	223	1.42	-	32.85	5.30	32.39
AV	4.92572G	40.72	54.00	-13.28	34.96	3	Vertical	223	1.42	-	32.85	5.30	32.39
PK	7.3832G	61.35	74.00	-12.65	50.92	3	Vertical	344	2.59	-	37.57	6.98	34.12
AV	7.3878G	48.91	54.00	-5.09	38.50	3	Vertical	344	2.59	-	37.55	6.99	34.13

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

2462MHz_TX

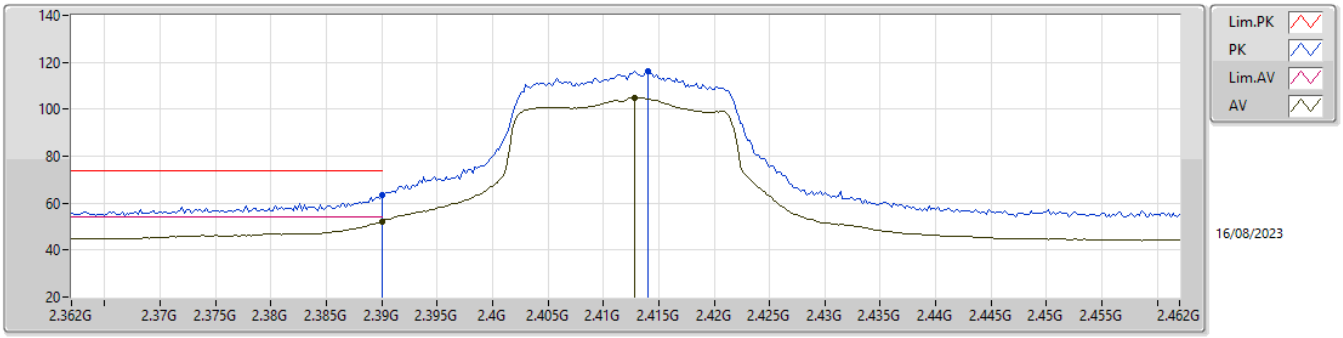


EUT Y_2TX
Setting 17.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.925G	56.86	74.00	-17.14	51.10	3	Horizontal	212	2.64	-	32.85	5.30	32.39
AV	4.92468G	42.75	54.00	-11.25	36.99	3	Horizontal	212	2.64	-	32.85	5.30	32.39
PK	7.38972G	59.00	74.00	-15.00	48.60	3	Horizontal	208	2.20	-	37.54	6.99	34.13
AV	7.38464G	46.64	54.00	-7.36	36.22	3	Horizontal	208	2.20	-	37.56	6.98	34.12

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

2412MHz_TX

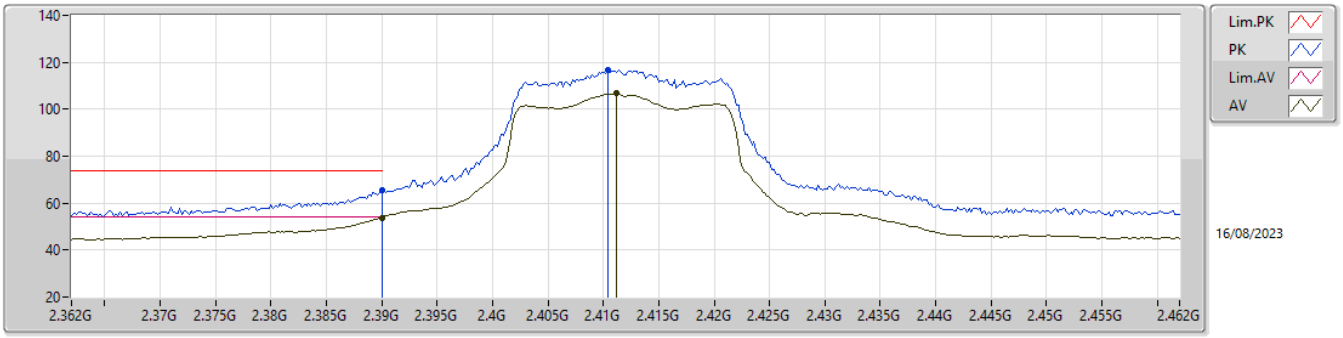


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	63.56	74.00	-10.44	32.72	3	Vertical	338	1.46	-	27.64	3.20	-
AV	2.39G	52.26	54.00	-1.74	21.42	3	Vertical	338	1.46	-	27.64	3.20	-
PK	2.414G	116.04	Inf	-Inf	85.13	3	Vertical	338	1.46	-	27.70	3.21	-
AV	2.4128G	104.87	Inf	-Inf	73.96	3	Vertical	338	1.46	-	27.70	3.21	-

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

2412MHz_TX

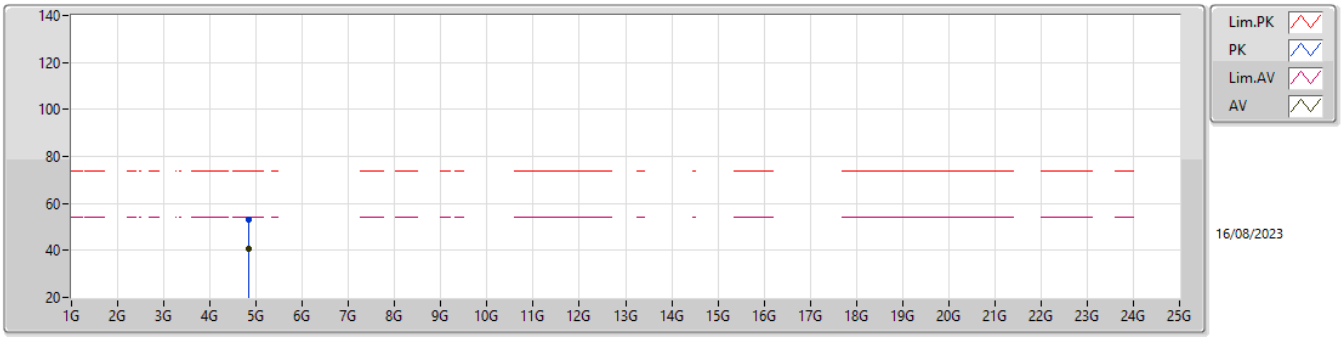


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	65.58	74.00	-8.42	34.74	3	Horizontal	354	1.94	-	27.64	3.20	-
AV	2.39G	53.78	54.00	-0.22	22.94	3	Horizontal	354	1.94	-	27.64	3.20	-
PK	2.4104G	116.98	Inf	-Inf	86.07	3	Horizontal	354	1.94	-	27.70	3.21	-
AV	2.4112G	106.69	Inf	-Inf	75.78	3	Horizontal	354	1.94	-	27.70	3.21	-

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

2412MHz_TX

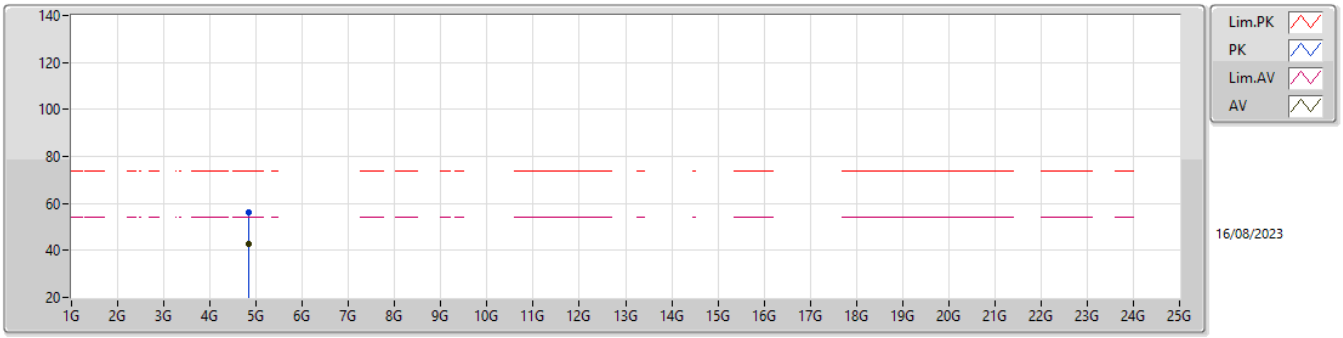


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82766G	53.27	74.00	-20.73	47.93	3	Vertical	215	1.62	-	32.66	5.30	32.62
AV	4.8255G	40.90	54.00	-13.10	35.57	3	Vertical	215	1.62	-	32.65	5.30	32.62

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

2412MHz_TX

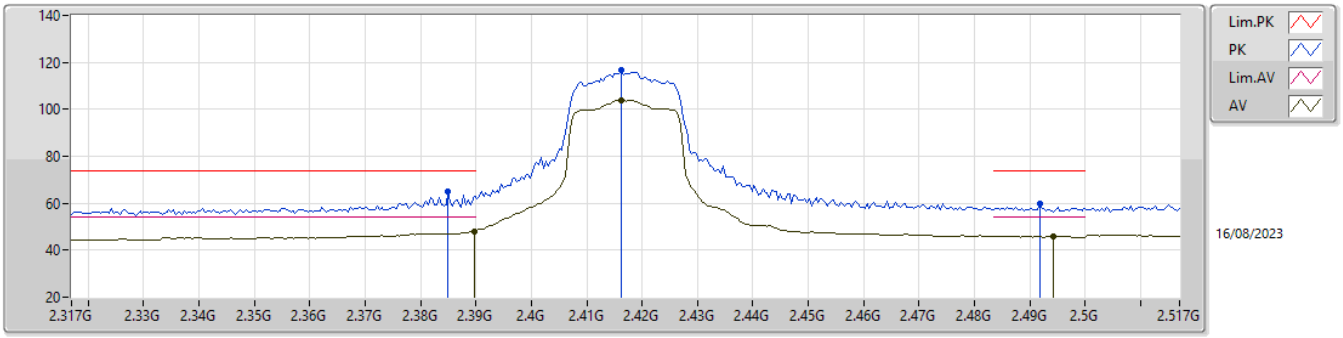


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82676G	56.34	74.00	-17.66	51.01	3	Horizontal	218	1.95	-	32.65	5.30	32.62
AV	4.8255G	42.52	54.00	-11.48	37.19	3	Horizontal	218	1.95	-	32.65	5.30	32.62

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

2417MHz_TX

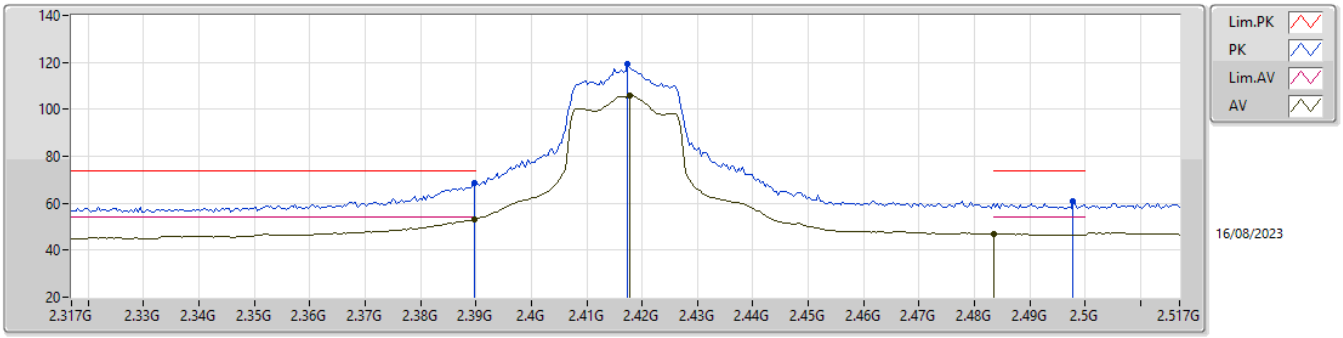


EUT Y_2TX
Setting 18.5
04-M-A-4

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	2.385G	64.94	74.00	-9.06	34.14	3	Vertical	360	2.63	-	27.61	3.19	-
AV	2.3898G	48.14	54.00	-5.86	17.31	3	Vertical	360	2.63	-	27.64	3.19	-
PK	2.4162G	116.56	Inf	-Inf	85.64	3	Vertical	360	2.63	-	27.70	3.22	-
AV	2.4162G	104.00	Inf	-Inf	73.08	3	Vertical	360	2.63	-	27.70	3.22	-
PK	2.4918G	59.76	74.00	-14.24	28.60	3	Vertical	360	2.63	-	27.87	3.29	-
AV	2.4942G	45.95	54.00	-8.05	14.78	3	Vertical	360	2.63	-	27.88	3.29	-

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

2417MHz_TX

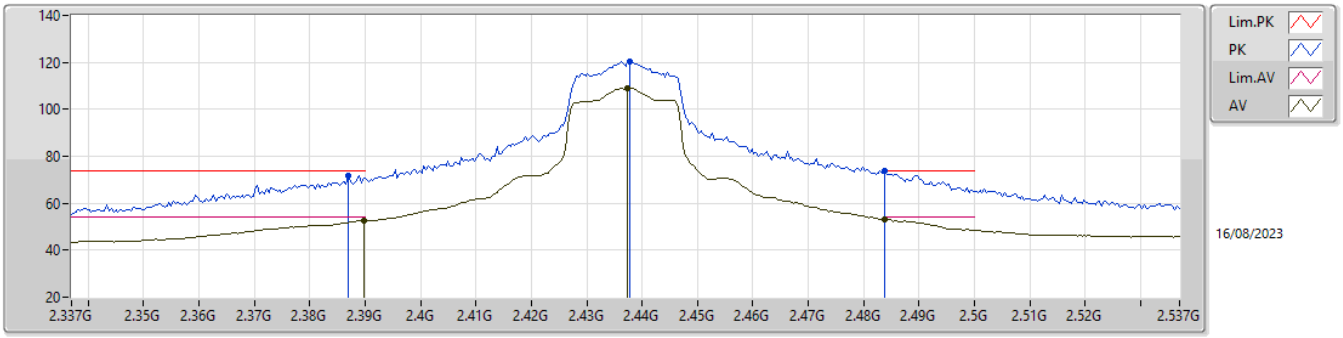


EUT Y_2TX
Setting 18.5
04-M-A-4

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	68.54	74.00	-5.46	37.71	3	Horizontal	359	2.22	-	27.64	3.19	-
AV	2.3898G	53.21	54.00	-0.79	22.38	3	Horizontal	359	2.22	-	27.64	3.19	-
PK	2.4174G	119.13	Inf	-Inf	88.21	3	Horizontal	359	2.22	-	27.70	3.22	-
AV	2.4178G	105.87	Inf	-Inf	74.95	3	Horizontal	359	2.22	-	27.70	3.22	-
PK	2.4978G	60.78	74.00	-13.22	29.59	3	Horizontal	359	2.22	-	27.89	3.30	-
AV	2.4835G	46.97	54.00	-7.03	15.86	3	Horizontal	359	2.22	-	27.83	3.28	-

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

2437MHz_TX

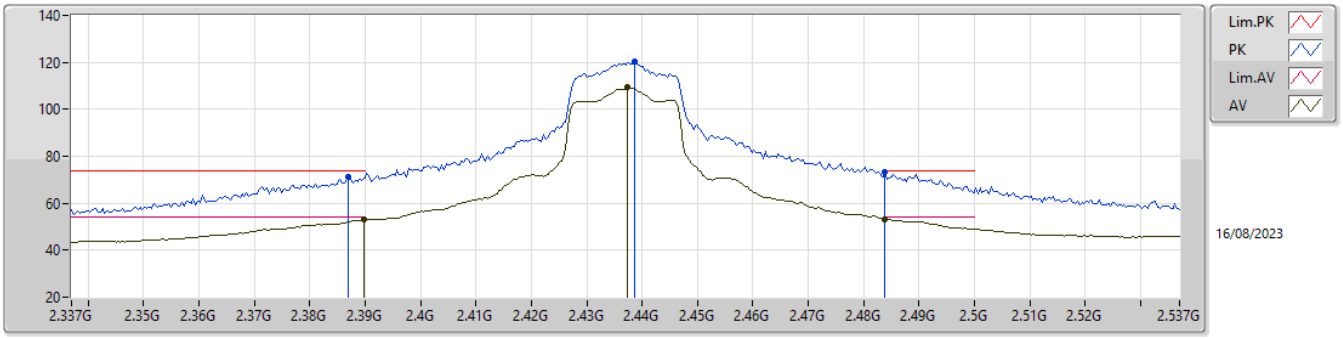


EUT Y_2TX
Setting 20.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.387G	71.71	74.00	-2.29	40.90	3	Vertical	-0	2.32	-	27.62	3.19	-
AV	2.3898G	52.74	54.00	-1.26	21.91	3	Vertical	-0	2.32	-	27.64	3.19	-
PK	2.4378G	120.47	Inf	-Inf	89.53	3	Vertical	-0	2.32	-	27.70	3.24	-
AV	2.4374G	109.09	Inf	-Inf	78.15	3	Vertical	-0	2.32	-	27.70	3.24	-
PK	2.4838G	73.78	74.00	-0.22	42.66	3	Vertical	-0	2.32	-	27.84	3.28	-
AV	2.4838G	53.16	54.00	-0.84	22.04	3	Vertical	-0	2.32	-	27.84	3.28	-

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

2437MHz_TX

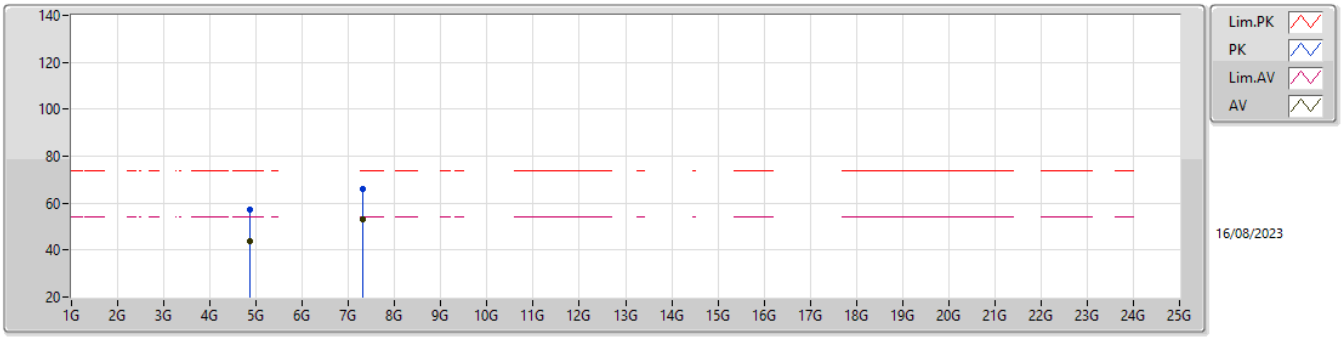


EUT Y_2TX
Setting 20.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.387G	71.34	74.00	-2.66	40.53	3	Horizontal	4	2.31	-	27.62	3.19	-
AV	2.3898G	53.07	54.00	-0.93	22.24	3	Horizontal	4	2.31	-	27.64	3.19	-
PK	2.4386G	120.38	Inf	-Inf	89.44	3	Horizontal	4	2.31	-	27.70	3.24	-
AV	2.4374G	109.24	Inf	-Inf	78.30	3	Horizontal	4	2.31	-	27.70	3.24	-
PK	2.4838G	73.26	74.00	-0.74	42.14	3	Horizontal	4	2.31	-	27.84	3.28	-
AV	2.4838G	53.16	54.00	-0.84	22.04	3	Horizontal	4	2.31	-	27.84	3.28	-

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

2437MHz_TX

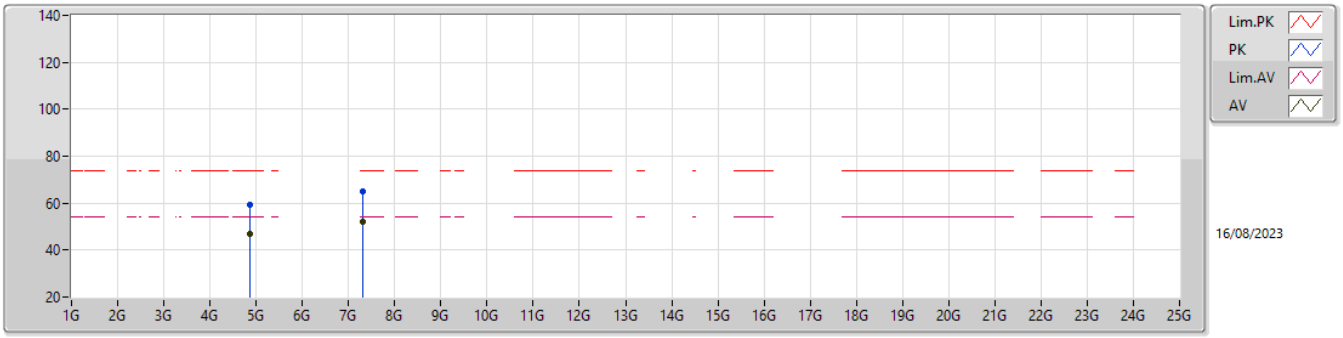


EUT Y_2TX
Setting 20.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8755G	57.09	74.00	-16.91	51.54	3	Vertical	57	1.80	-	32.75	5.30	32.50
AV	4.87484G	43.65	54.00	-10.35	38.11	3	Vertical	57	1.80	-	32.75	5.30	32.51
PK	7.31388G	65.88	74.00	-8.12	55.37	3	Vertical	350	2.13	-	37.70	6.91	34.10
AV	7.31454G	53.21	54.00	-0.79	42.70	3	Vertical	350	2.13	-	37.70	6.91	34.10

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

2437MHz_TX

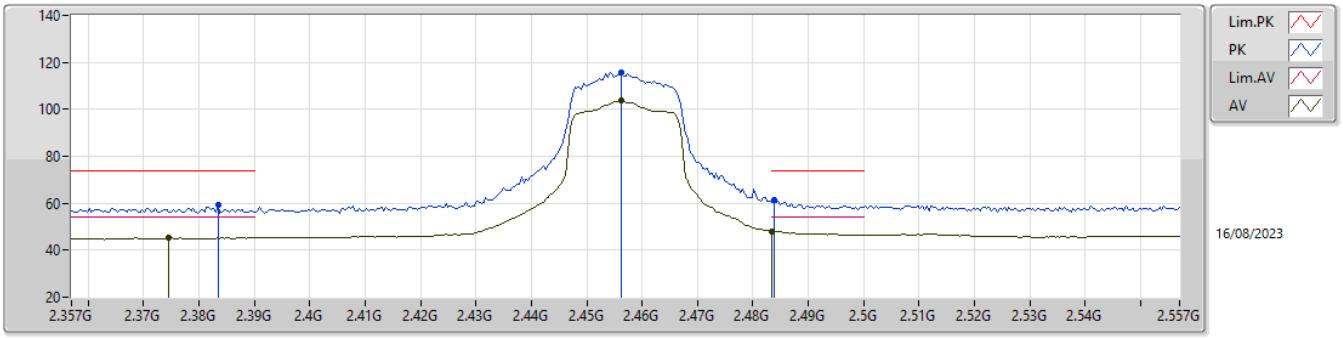


EUT Y_2TX
Setting 20.5
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87664G	59.43	74.00	-14.57	53.88	3	Horizontal	216	1.72	-	32.75	5.30	32.50
AV	4.87508G	46.82	54.00	-7.18	41.27	3	Horizontal	216	1.72	-	32.75	5.30	32.50
PK	7.31784G	65.18	74.00	-8.82	54.66	3	Horizontal	208	2.24	-	37.70	6.92	34.10
AV	7.30782G	51.86	54.00	-2.14	41.34	3	Horizontal	208	2.24	-	37.70	6.91	34.09

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

2457MHz_TX

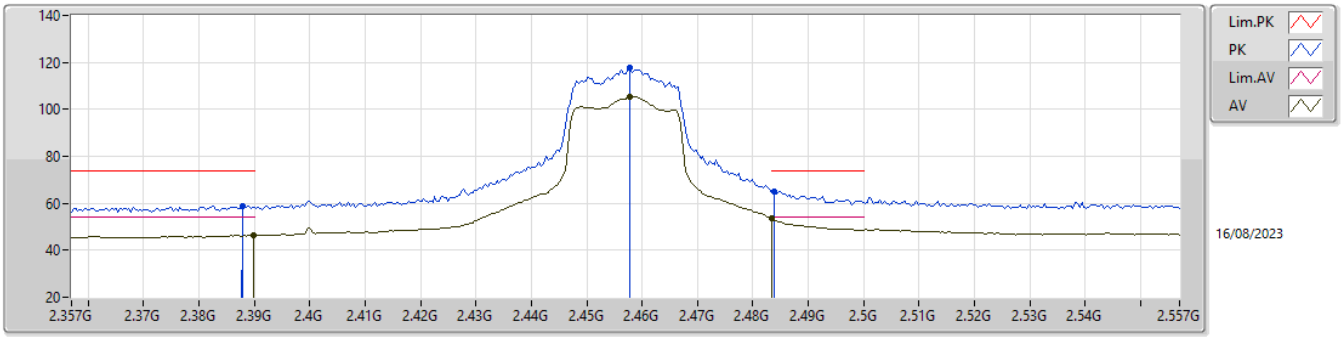


EUT Y_2TX
Setting 18.5
04-M-A-4

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	2.3834G	59.11	74.00	-14.89	28.32	3	Vertical	13	1.80	-	27.60	3.19	-
AV	2.3746G	45.30	54.00	-8.70	14.56	3	Vertical	13	1.80	-	27.55	3.19	-
PK	2.4562G	115.70	Inf	-Inf	84.72	3	Vertical	13	1.80	-	27.72	3.26	-
AV	2.4562G	103.57	Inf	-Inf	72.59	3	Vertical	13	1.80	-	27.72	3.26	-
PK	2.4838G	61.44	74.00	-12.56	30.32	3	Vertical	13	1.80	-	27.84	3.28	-
AV	2.4835G	48.12	54.00	-5.88	17.01	3	Vertical	13	1.80	-	27.83	3.28	-

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

2457MHz_TX

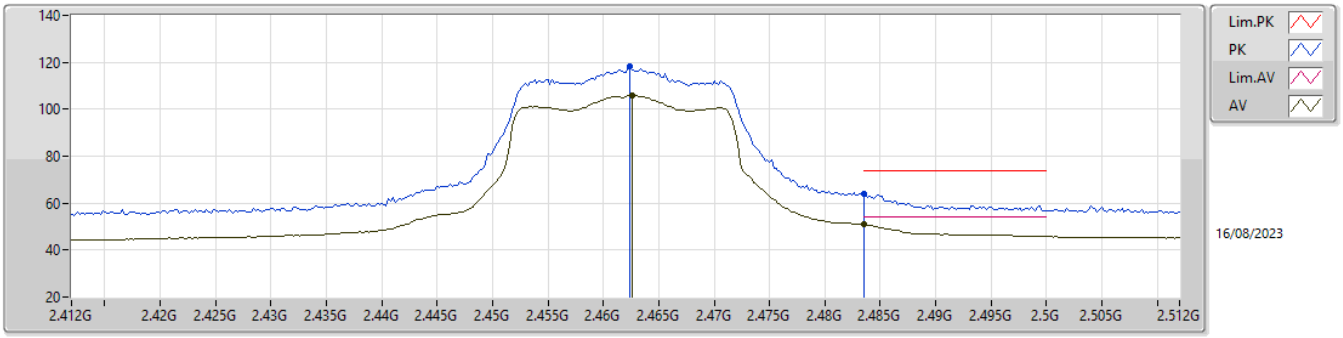


EUT Y_2TX
Setting 18.5
04-M-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3878G	58.72	74.00	-15.28	27.90	3	Horizontal	0	2.34	-	27.63	3.19	-
AV	2.3898G	46.41	54.00	-7.59	15.58	3	Horizontal	0	2.34	-	27.64	3.19	-
PK	2.4578G	117.78	Inf	-Inf	86.79	3	Horizontal	0	2.34	-	27.73	3.26	-
AV	2.4578G	105.57	Inf	-Inf	74.58	3	Horizontal	0	2.34	-	27.73	3.26	-
PK	2.4838G	64.87	74.00	-9.13	33.75	3	Horizontal	0	2.34	-	27.84	3.28	-
AV	2.4835G	53.49	54.00	-0.51	22.38	3	Horizontal	0	2.34	-	27.83	3.28	-

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

2462MHz_TX

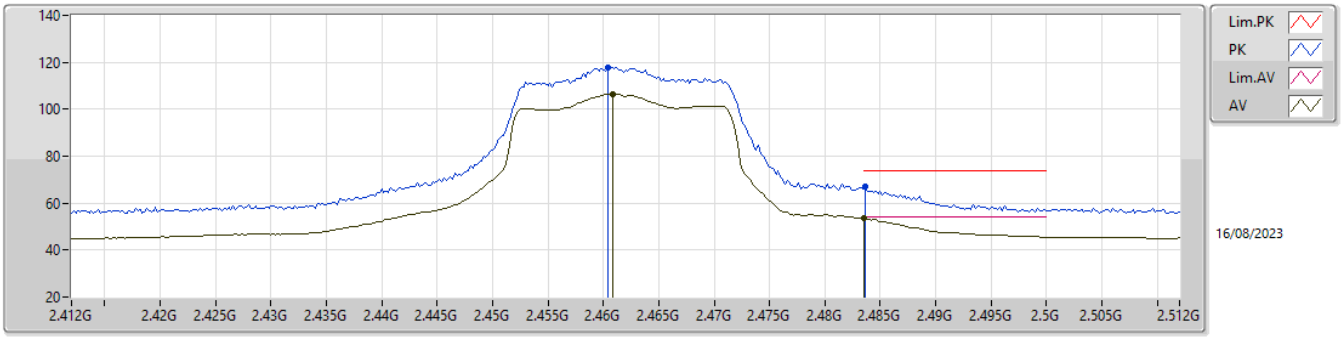


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4624G	118.17	Inf	-Inf	87.16	3	Vertical	6	2.57	-	27.75	3.26	-
AV	2.4626G	105.91	Inf	-Inf	74.90	3	Vertical	6	2.57	-	27.75	3.26	-
PK	2.4835G	63.81	74.00	-10.19	32.70	3	Vertical	6	2.57	-	27.83	3.28	-
AV	2.4835G	51.00	54.00	-3.00	19.89	3	Vertical	6	2.57	-	27.83	3.28	-

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

2462MHz_TX

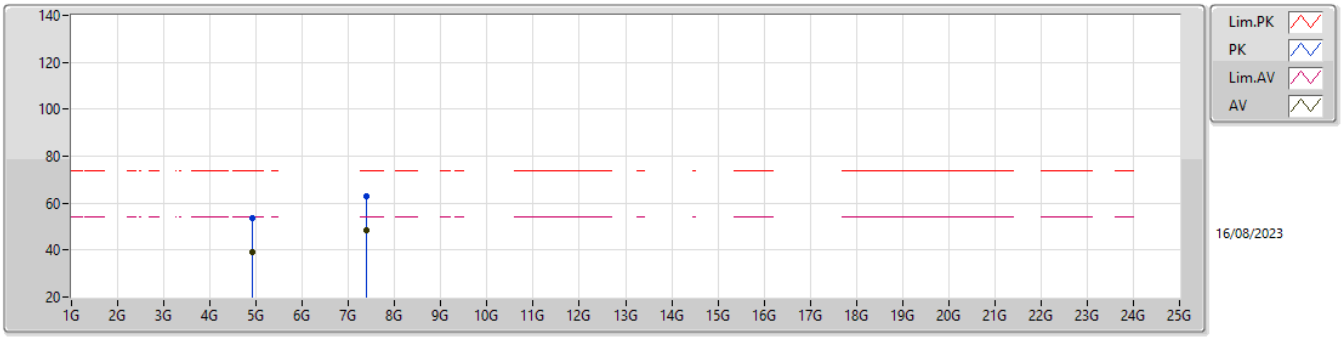


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4604G	117.96	Inf	-Inf	86.96	3	Horizontal	14	1.80	-	27.74	3.26	-
AV	2.4608G	106.63	Inf	-Inf	75.63	3	Horizontal	14	1.80	-	27.74	3.26	-
PK	2.4836G	66.90	74.00	-7.10	35.79	3	Horizontal	14	1.80	-	27.83	3.28	-
AV	2.4835G	53.57	54.00	-0.43	22.46	3	Horizontal	14	1.80	-	27.83	3.28	-

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

2462MHz_TX

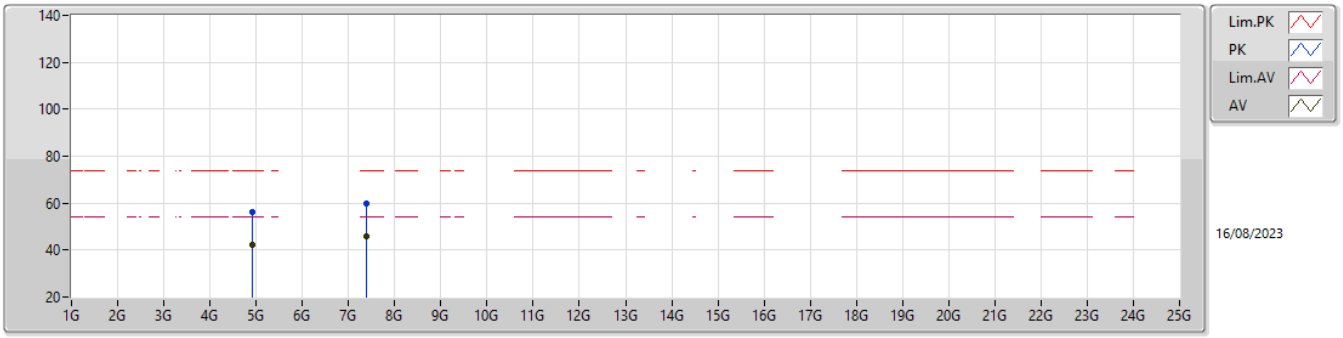


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92562G	53.46	74.00	-20.54	47.70	3	Vertical	54	1.65	-	32.85	5.30	32.39
AV	4.92616G	39.36	54.00	-14.64	33.59	3	Vertical	54	1.65	-	32.85	5.30	32.38
PK	7.39104G	63.03	74.00	-10.97	52.63	3	Vertical	349	2.03	-	37.54	6.99	34.13
AV	7.3896G	48.49	54.00	-5.51	38.09	3	Vertical	349	2.03	-	37.54	6.99	34.13

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

2462MHz_TX

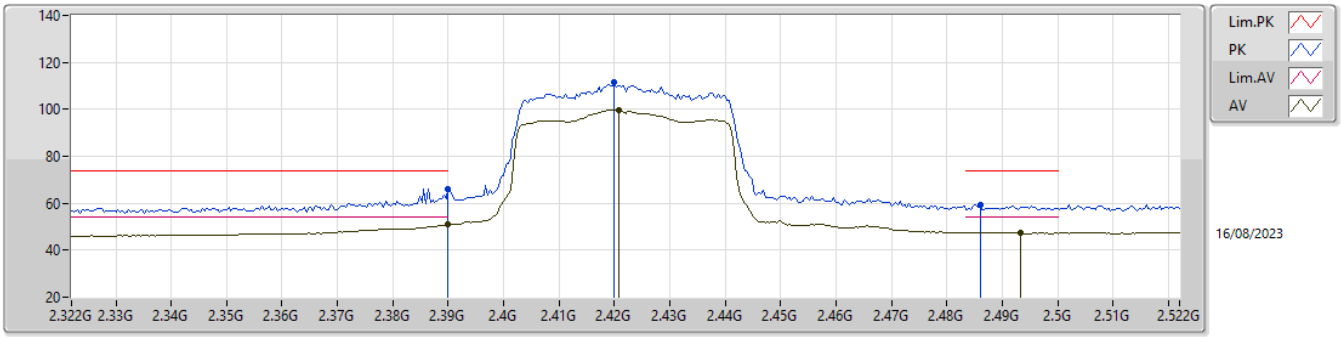


EUT Y_2TX
Setting 17
04-M-R-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.926G	56.14	74.00	-17.86	50.37	3	Horizontal	213	2.30	-	32.85	5.30	32.38
AV	4.9256G	42.00	54.00	-12.00	36.24	3	Horizontal	213	2.30	-	32.85	5.30	32.39
PK	7.3834G	59.83	74.00	-14.17	49.40	3	Horizontal	208	2.22	-	37.57	6.98	34.12
AV	7.3833G	46.06	54.00	-7.94	35.63	3	Horizontal	208	2.22	-	37.57	6.98	34.12

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

2422MHz_TX

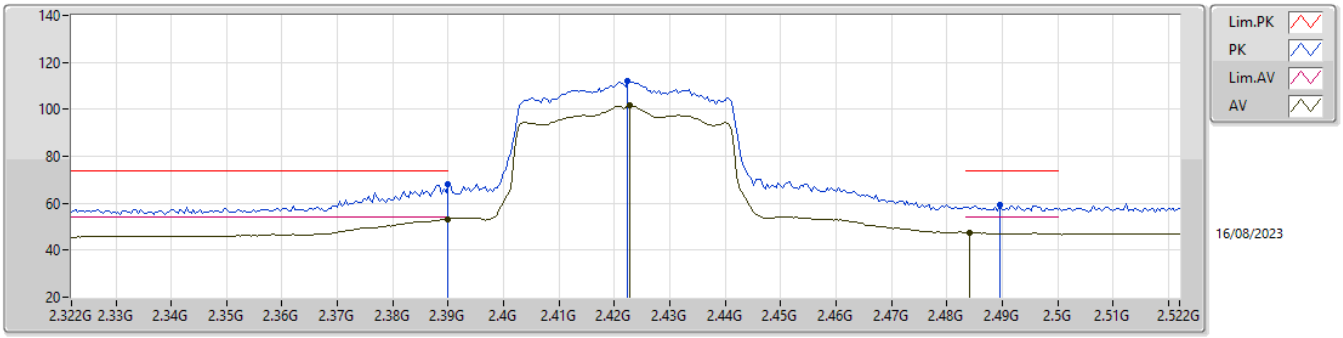


EUT Y_2TX
Setting 15.5
04-M-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	66.14	74.00	-7.86	35.30	3	Vertical	0	2.46	-	27.64	3.20	-
AV	2.39G	51.00	54.00	-3.00	20.16	3	Vertical	0	2.46	-	27.64	3.20	-
PK	2.42G	111.50	Inf	-Inf	80.58	3	Vertical	0	2.46	-	27.70	3.22	-
AV	2.4208G	99.87	Inf	-Inf	68.95	3	Vertical	0	2.46	-	27.70	3.22	-
PK	2.486G	59.46	74.00	-14.54	28.33	3	Vertical	0	2.46	-	27.84	3.29	-
AV	2.4932G	47.53	54.00	-6.47	16.37	3	Vertical	0	2.46	-	27.87	3.29	-

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

2422MHz_TX

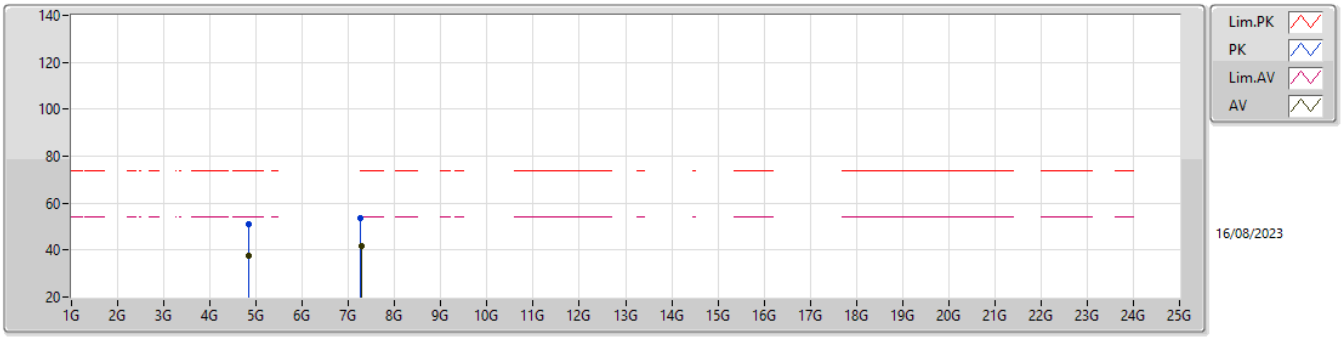


EUT Y_2TX
Setting 15.5
04-M-A-4

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	68.12	74.00	-5.88	37.28	3	Horizontal	1	1.63	-	27.64	3.20	-
AV	2.39G	53.35	54.00	-0.65	22.51	3	Horizontal	1	1.63	-	27.64	3.20	-
PK	2.4224G	112.03	Inf	-Inf	81.11	3	Horizontal	1	1.63	-	27.70	3.22	-
AV	2.4228G	101.55	Inf	-Inf	70.63	3	Horizontal	1	1.63	-	27.70	3.22	-
PK	2.4896G	59.12	74.00	-14.88	27.97	3	Horizontal	1	1.63	-	27.86	3.29	-
AV	2.484G	47.50	54.00	-6.50	16.38	3	Horizontal	1	1.63	-	27.84	3.28	-

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

2422MHz_TX

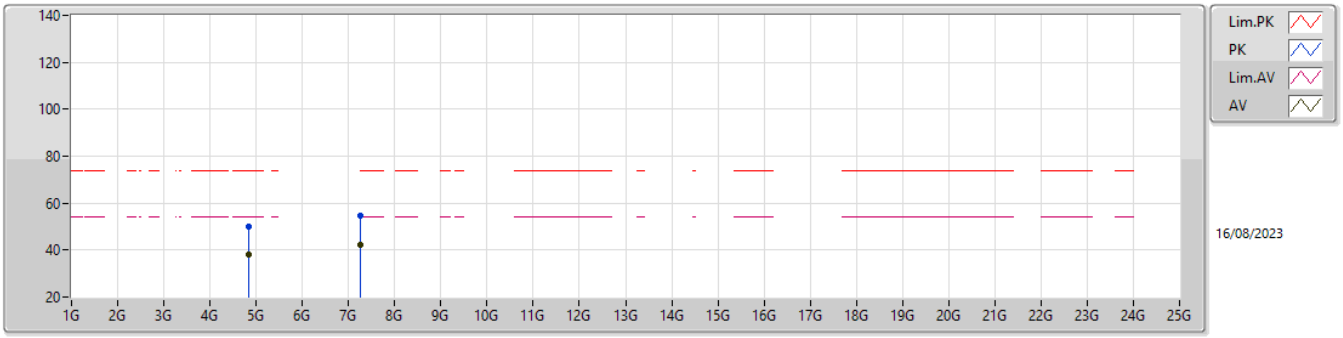


EUT Y_2TX
Setting 15.5
04-M-A-4

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	4.8481G	50.97	74.00	-23.03	45.54	3	Vertical	223	1.64	-	32.70	5.30	32.57
AV	4.8368G	37.44	54.00	-16.56	32.07	3	Vertical	223	1.64	-	32.67	5.30	32.60
PK	7.2581G	53.75	74.00	-20.25	43.51	3	Vertical	344	2.24	-	37.45	6.86	34.07
AV	7.276G	41.56	54.00	-12.44	31.20	3	Vertical	344	2.24	-	37.56	6.88	34.08

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

2422MHz_TX

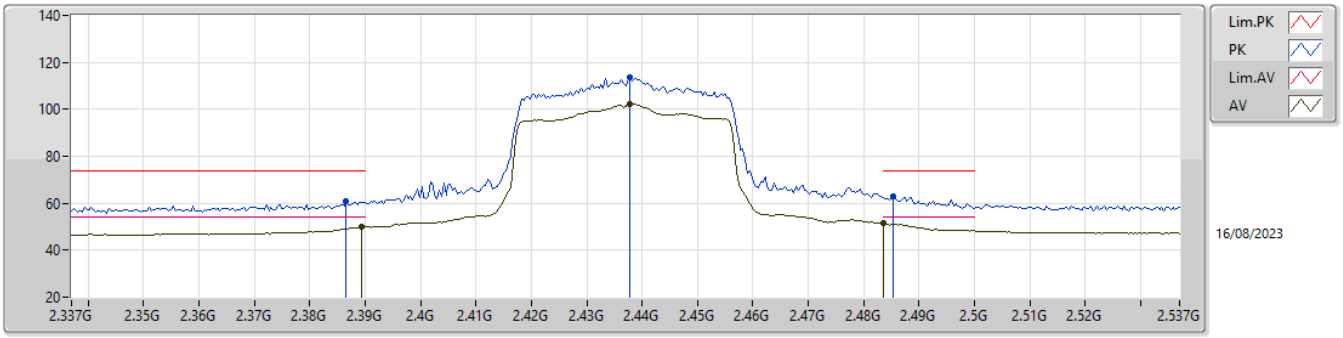


EUT Y_2TX
Setting 15.5
04-M-A-4

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	4.846G	50.20	74.00	-23.80	44.78	3	Horizontal	214	2.14	-	32.69	5.30	32.57
AV	4.8368G	38.01	54.00	-15.99	32.64	3	Horizontal	214	2.14	-	32.67	5.30	32.60
PK	7.2684G	54.48	74.00	-19.52	44.18	3	Horizontal	207	2.49	-	37.51	6.87	34.08
AV	7.2682G	42.22	54.00	-11.78	31.92	3	Horizontal	207	2.49	-	37.51	6.87	34.08

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

2437MHz_TX

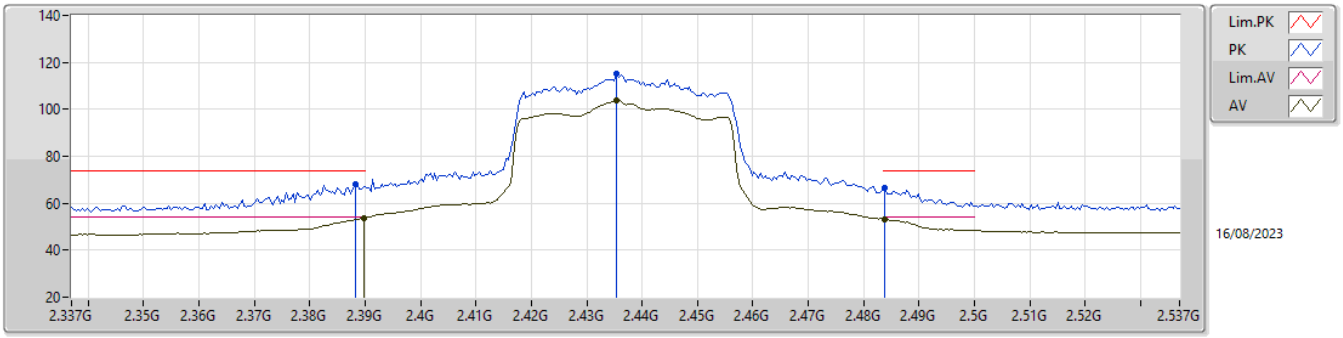


EUT Y_2TX
Setting 17.5
04-M-A-4

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	60.78	74.00	-13.22	29.97	3	Vertical	5	1.88	-	27.62	3.19	-
AV	2.3894G	49.77	54.00	-4.23	18.94	3	Vertical	5	1.88	-	27.64	3.19	-
PK	2.4378G	113.43	Inf	-Inf	82.49	3	Vertical	5	1.88	-	27.70	3.24	-
AV	2.4378G	102.37	Inf	-Inf	71.43	3	Vertical	5	1.88	-	27.70	3.24	-
PK	2.4854G	63.11	74.00	-10.89	31.98	3	Vertical	5	1.88	-	27.84	3.29	-
AV	2.4835G	51.45	54.00	-2.55	20.34	3	Vertical	5	1.88	-	27.83	3.28	-

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

2437MHz_TX

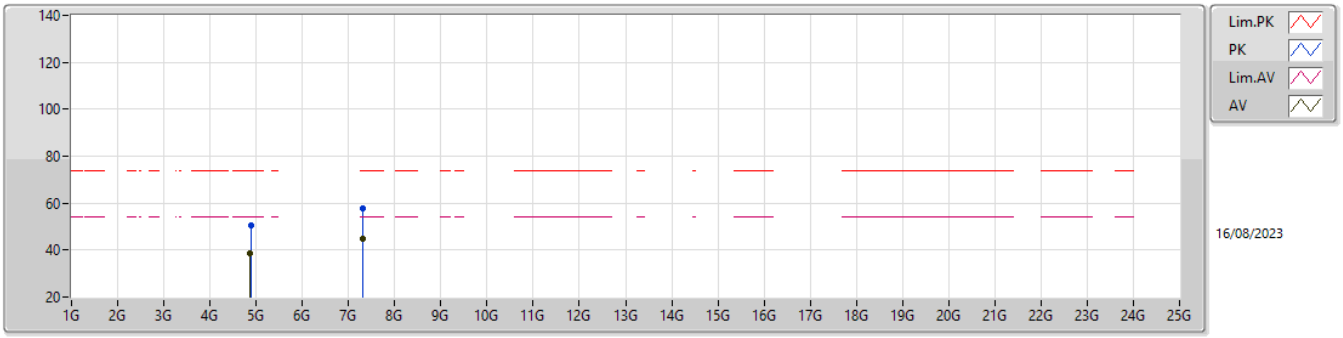


EUT Y_2TX
Setting 17.5
04-M-A-4

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	68.08	74.00	-5.92	37.26	3	Horizontal	13	2.41	-	27.63	3.19	-
AV	2.3898G	53.87	54.00	-0.13	23.04	3	Horizontal	13	2.41	-	27.64	3.19	-
PK	2.4354G	115.00	Inf	-Inf	84.06	3	Horizontal	13	2.41	-	27.70	3.24	-
AV	2.4354G	103.62	Inf	-Inf	72.68	3	Horizontal	13	2.41	-	27.70	3.24	-
PK	2.4838G	66.75	74.00	-7.25	35.63	3	Horizontal	13	2.41	-	27.84	3.28	-
AV	2.4838G	53.17	54.00	-0.83	22.05	3	Horizontal	13	2.41	-	27.84	3.28	-

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

2437MHz_TX

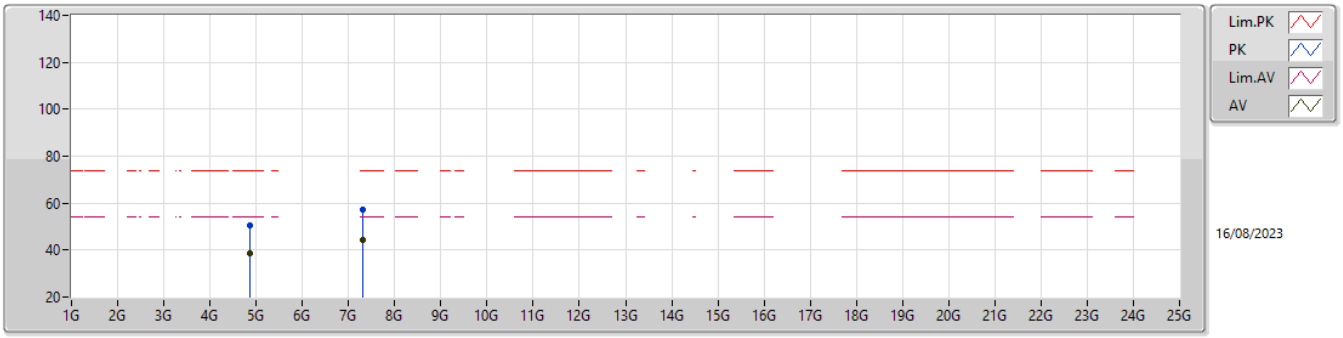


EUT Y_2TX
Setting 17.5
04-M-A-4

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	4.8782G	50.54	74.00	-23.46	44.98	3	Vertical	220	1.78	-	32.76	5.30	32.50
AV	4.8769G	38.44	54.00	-15.56	32.89	3	Vertical	220	1.78	-	32.75	5.30	32.50
PK	7.3148G	57.95	74.00	-16.05	47.44	3	Vertical	344	2.30	-	37.70	6.91	34.10
AV	7.3151G	44.86	54.00	-9.14	34.34	3	Vertical	344	2.30	-	37.70	6.92	34.10

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

2437MHz_TX

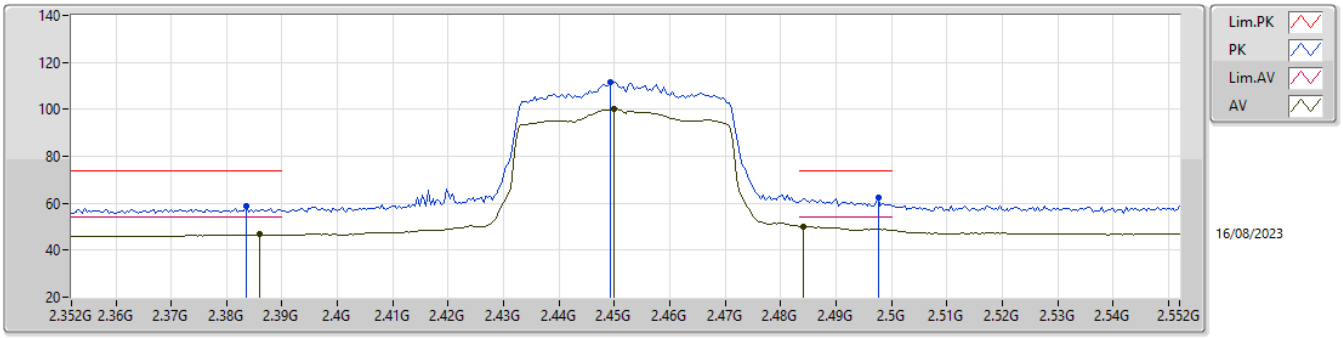


EUT Y_2TX
Setting 17.5
04-M-A-4

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	4.8668G	50.70	74.00	-23.30	45.19	3	Horizontal	221	1.80	-	32.73	5.30	32.52
AV	4.8757G	38.87	54.00	-15.13	33.32	3	Horizontal	221	1.80	-	32.75	5.30	32.50
PK	7.3077G	57.29	74.00	-16.71	46.77	3	Horizontal	205	2.49	-	37.70	6.91	34.09
AV	7.3079G	44.27	54.00	-9.73	33.75	3	Horizontal	205	2.49	-	37.70	6.91	34.09

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

2452MHz_TX

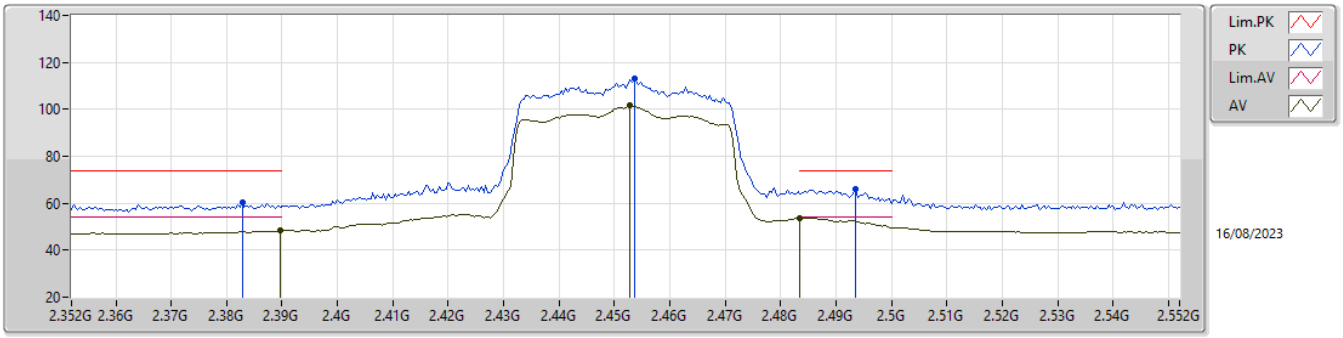


EUT Y_2TX
Setting 16
04-M-A-4

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	2.3836G	58.60	74.00	-15.40	27.81	3	Vertical	4	2.05	-	27.60	3.19	-
AV	2.386G	46.66	54.00	-7.34	15.85	3	Vertical	4	2.05	-	27.62	3.19	-
PK	2.4492G	111.46	Inf	-Inf	80.51	3	Vertical	4	2.05	-	27.70	3.25	-
AV	2.45G	99.99	Inf	-Inf	69.04	3	Vertical	4	2.05	-	27.70	3.25	-
PK	2.4976G	62.16	74.00	-11.84	30.97	3	Vertical	4	2.05	-	27.89	3.30	-
AV	2.484G	50.05	54.00	-3.95	18.93	3	Vertical	4	2.05	-	27.84	3.28	-

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

2452MHz_TX

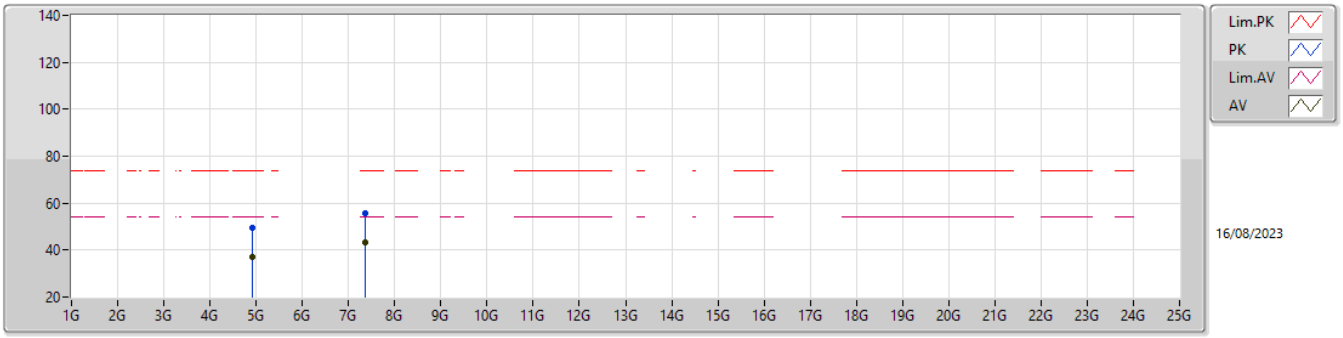


EUT Y_2TX
Setting 16
04-M-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3828G	60.41	74.00	-13.59	29.62	3	Horizontal	357	2.44	-	27.60	3.19	-
AV	2.3896G	48.54	54.00	-5.46	17.71	3	Horizontal	357	2.44	-	27.64	3.19	-
PK	2.4536G	113.32	Inf	-Inf	82.36	3	Horizontal	357	2.44	-	27.71	3.25	-
AV	2.4528G	101.52	Inf	-Inf	70.56	3	Horizontal	357	2.44	-	27.71	3.25	-
PK	2.4936G	65.84	74.00	-8.16	34.68	3	Horizontal	357	2.44	-	27.87	3.29	-
AV	2.4835G	53.84	54.00	-0.16	22.73	3	Horizontal	357	2.44	-	27.83	3.28	-

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

2452MHz_TX

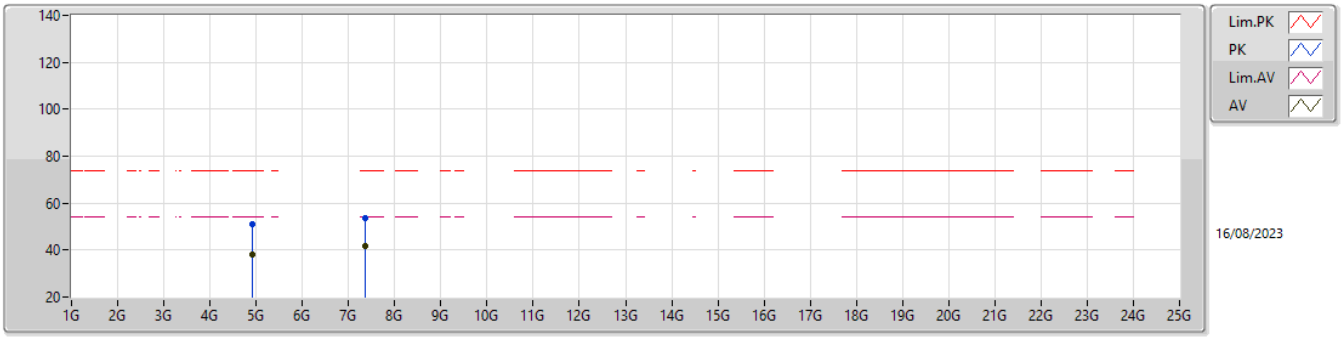


EUT Y_2TX
Setting 16
04-M-A-4

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	4.9049G	49.39	74.00	-24.61	43.71	3	Vertical	220	1.64	-	32.81	5.30	32.43
AV	4.906G	37.20	54.00	-16.80	31.52	3	Vertical	220	1.64	-	32.81	5.30	32.43
PK	7.366G	55.48	74.00	-18.52	44.99	3	Vertical	346	2.32	-	37.64	6.97	34.12
AV	7.3547G	43.11	54.00	-10.89	32.59	3	Vertical	346	2.32	-	37.68	6.95	34.11

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

2452MHz_TX

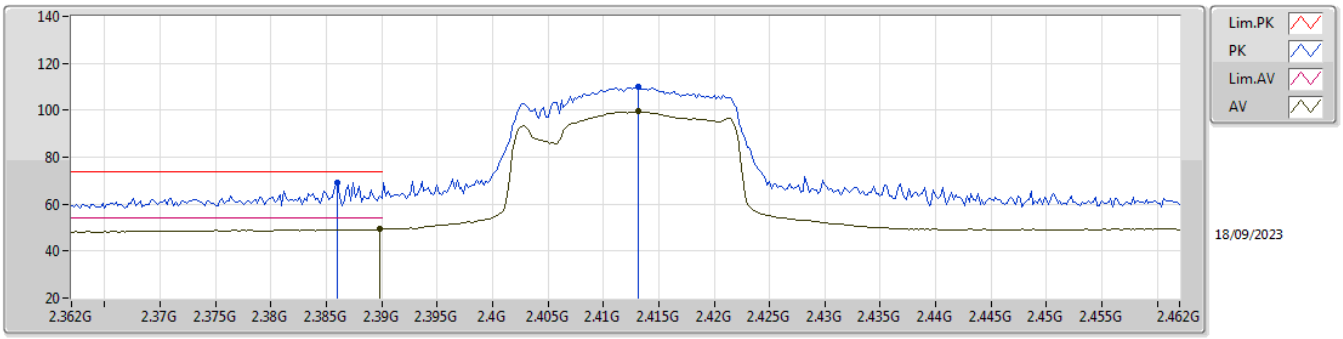


EUT Y_2TX
Setting 16
04-M-A-4

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	4.9058G	51.24	74.00	-22.76	45.56	3	Horizontal	213	2.83	-	32.81	5.30	32.43
AV	4.906G	37.94	54.00	-16.06	32.26	3	Horizontal	213	2.83	-	32.81	5.30	32.43
PK	7.3555G	53.58	74.00	-20.42	43.05	3	Horizontal	209	2.45	-	37.68	6.96	34.11
AV	7.3572G	41.97	54.00	-12.03	31.45	3	Horizontal	209	2.45	-	37.67	6.96	34.11

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2412MHz_TX

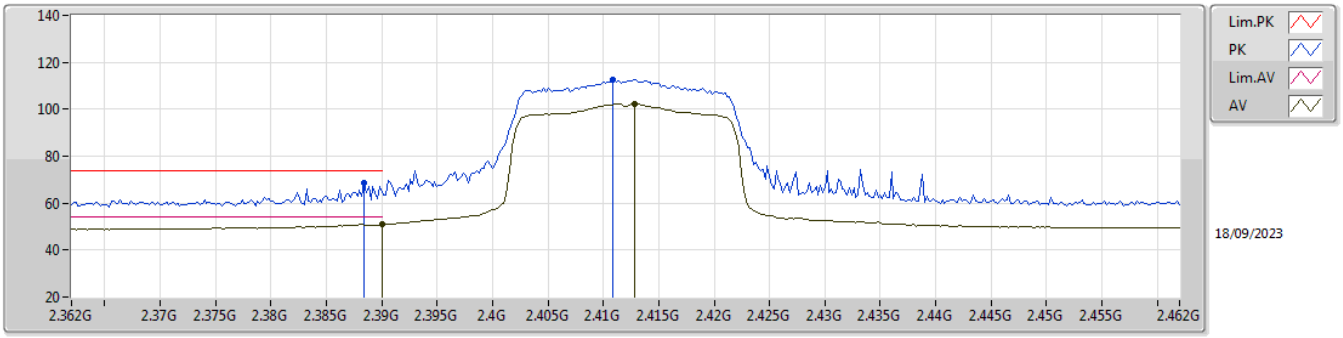


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.386G	69.04	74.00	-4.96	36.85	3	Vertical	26	1.80	-	28.20	3.99	-
AV	2.3898G	49.25	54.00	-4.75	17.06	3	Vertical	26	1.80	-	28.20	3.99	-
PK	2.4132G	109.88	Inf	-Inf	77.67	3	Vertical	26	1.80	-	28.20	4.01	-
AV	2.4132G	99.41	Inf	-Inf	67.20	3	Vertical	26	1.80	-	28.20	4.01	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2412MHz_TX

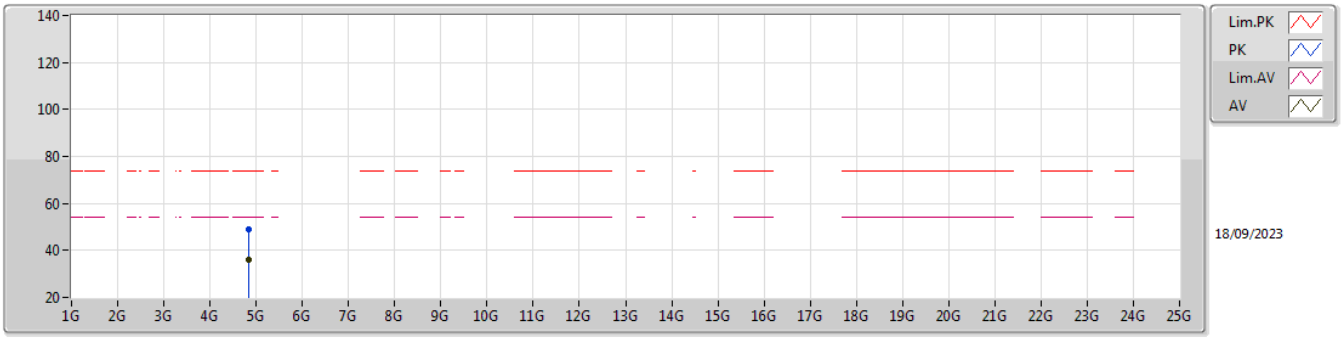


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3884G	68.59	74.00	-5.41	36.40	3	Horizontal	357	1.80	-	28.20	3.99	-
AV	2.39G	50.95	54.00	-3.05	18.76	3	Horizontal	357	1.80	-	28.20	3.99	-
PK	2.4108G	112.55	Inf	-Inf	80.34	3	Horizontal	357	1.80	-	28.20	4.01	-
AV	2.4128G	102.13	Inf	-Inf	69.92	3	Horizontal	357	1.80	-	28.20	4.01	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2412MHz_TX

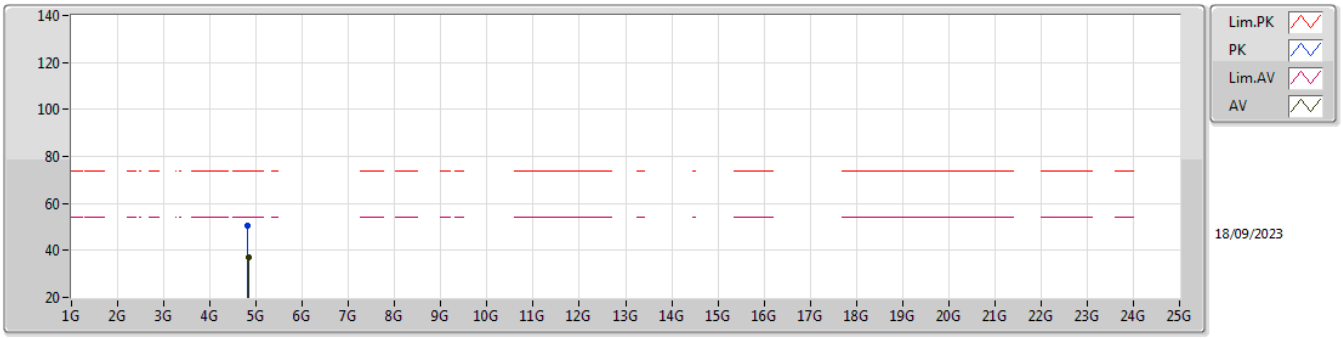


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8303G	48.79	74.00	-25.21	43.57	3	Vertical	238	1.88	-	33.40	6.52	34.70
AV	4.82628G	36.24	54.00	-17.76	31.02	3	Vertical	238	1.88	-	33.40	6.51	34.69

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2412MHz_TX

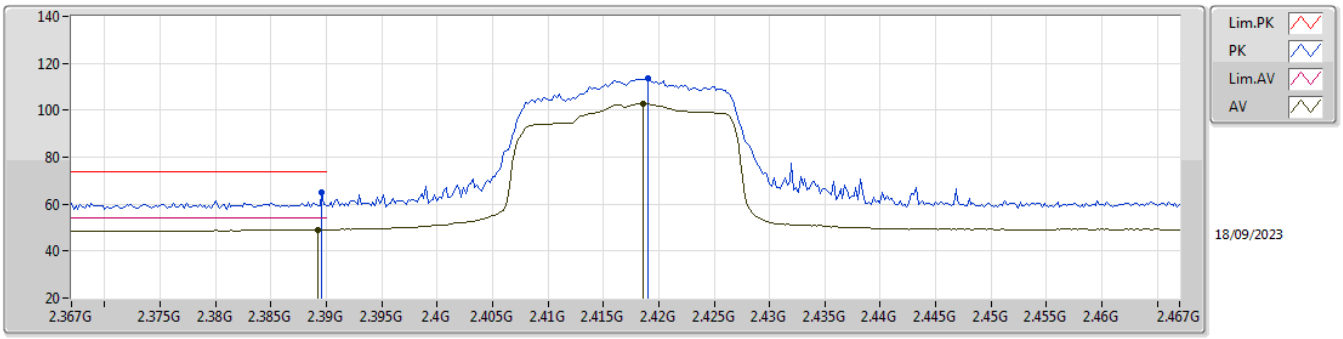


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82418G	50.28	74.00	-23.72	45.06	3	Horizontal	178	1.87	-	33.40	6.51	34.69
AV	4.8267G	37.29	54.00	-16.71	32.07	3	Horizontal	178	1.87	-	33.40	6.51	34.69

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2417MHz_TX

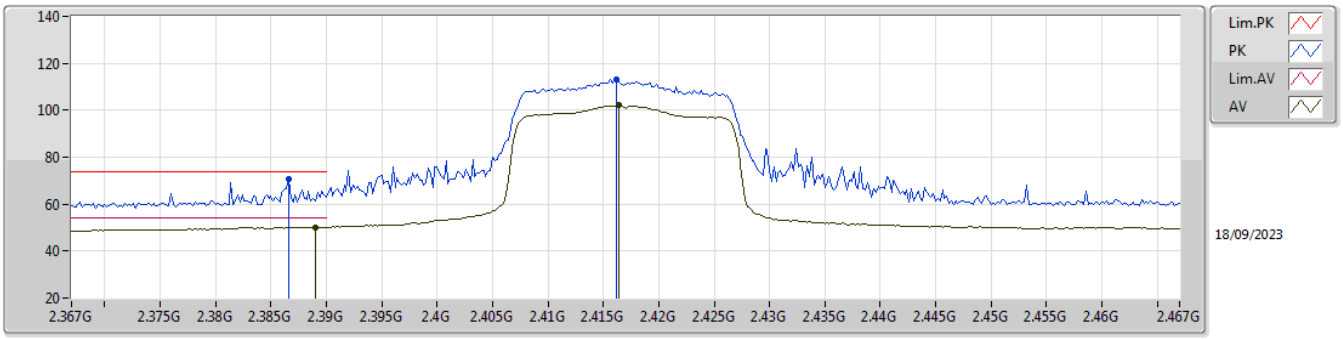


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	64.93	74.00	-9.07	32.74	3	Vertical	351	2.55	-	28.20	3.99	-
AV	2.3892G	49.01	54.00	-4.99	16.82	3	Vertical	351	2.55	-	28.20	3.99	-
PK	2.419G	113.73	Inf	-Inf	81.51	3	Vertical	351	2.55	-	28.20	4.02	-
AV	2.4186G	102.85	Inf	-Inf	70.63	3	Vertical	351	2.55	-	28.20	4.02	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2417MHz_TX

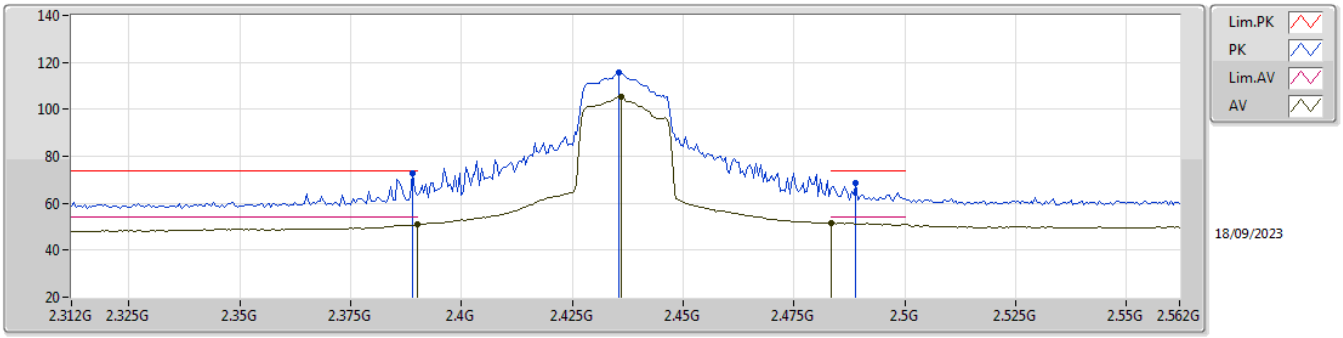


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3866G	70.61	74.00	-3.39	38.42	3	Horizontal	0	1.98	-	28.20	3.99	-
AV	2.389G	50.14	54.00	-3.86	17.95	3	Horizontal	0	1.98	-	28.20	3.99	-
PK	2.4162G	112.98	Inf	-Inf	80.76	3	Horizontal	0	1.98	-	28.20	4.02	-
AV	2.4164G	102.02	Inf	-Inf	69.80	3	Horizontal	0	1.98	-	28.20	4.02	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2437MHz_TX

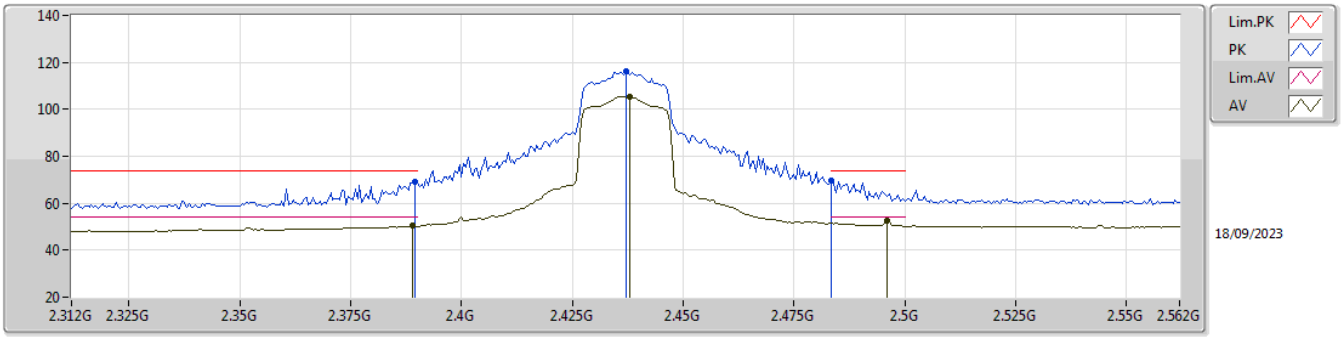


EUT Y_2TX
Setting 19
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	72.98	74.00	-1.02	40.79	3	Vertical	3	2.56	-	28.20	3.99	-
AV	2.39G	50.96	54.00	-3.04	18.77	3	Vertical	3	2.56	-	28.20	3.99	-
PK	2.4355G	115.54	Inf	-Inf	83.30	3	Vertical	3	2.56	-	28.20	4.04	-
AV	2.436G	105.36	Inf	-Inf	73.12	3	Vertical	3	2.56	-	28.20	4.04	-
PK	2.489G	68.62	74.00	-5.38	36.10	3	Vertical	3	2.56	-	28.43	4.09	-
AV	2.4835G	51.51	54.00	-2.49	19.03	3	Vertical	3	2.56	-	28.40	4.08	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2437MHz_TX

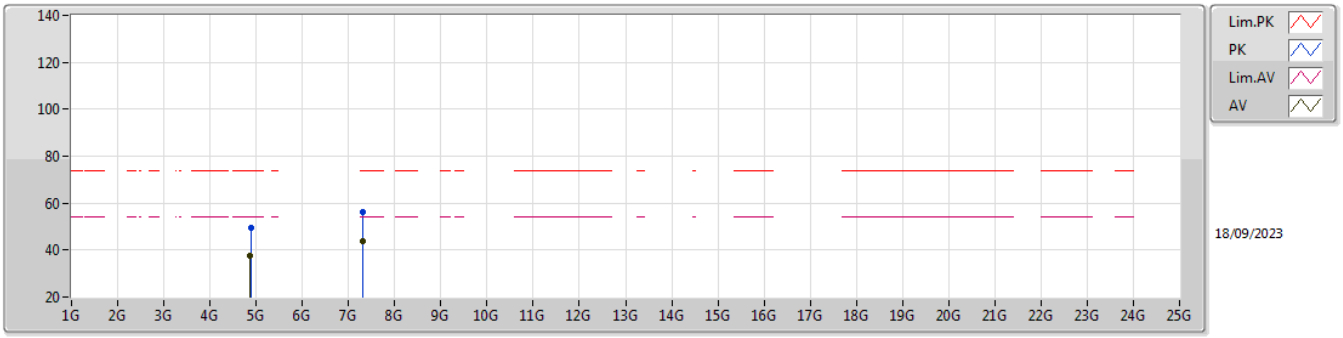


EUT Y_2TX
Setting 19
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3895G	69.21	74.00	-4.79	37.02	3	Horizontal	360	1.76	-	28.20	3.99	-
AV	2.389G	50.55	54.00	-3.45	18.36	3	Horizontal	360	1.76	-	28.20	3.99	-
PK	2.437G	116.14	Inf	-Inf	83.90	3	Horizontal	360	1.76	-	28.20	4.04	-
AV	2.438G	105.43	Inf	-Inf	73.19	3	Horizontal	360	1.76	-	28.20	4.04	-
PK	2.4835G	69.46	74.00	-4.54	36.98	3	Horizontal	360	1.76	-	28.40	4.08	-
AV	2.496G	52.38	54.00	-1.62	19.80	3	Horizontal	360	1.76	-	28.48	4.10	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2437MHz_TX

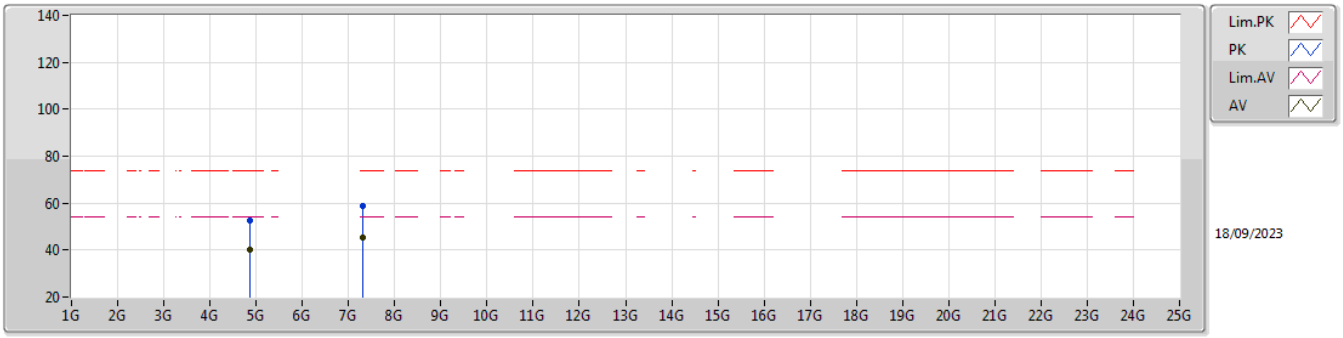


EUT Y_2TX
Setting 19
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.88228G	49.48	74.00	-24.52	44.09	3	Vertical	144	1.80	-	33.59	6.54	34.74
AV	4.87292G	37.62	54.00	-16.38	32.27	3	Vertical	144	1.80	-	33.54	6.54	34.73
PK	7.30866G	56.35	74.00	-17.65	46.21	3	Vertical	342	1.94	-	36.82	8.70	35.38
AV	7.31442G	43.90	54.00	-10.10	33.75	3	Vertical	342	1.94	-	36.83	8.70	35.38

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2437MHz_TX

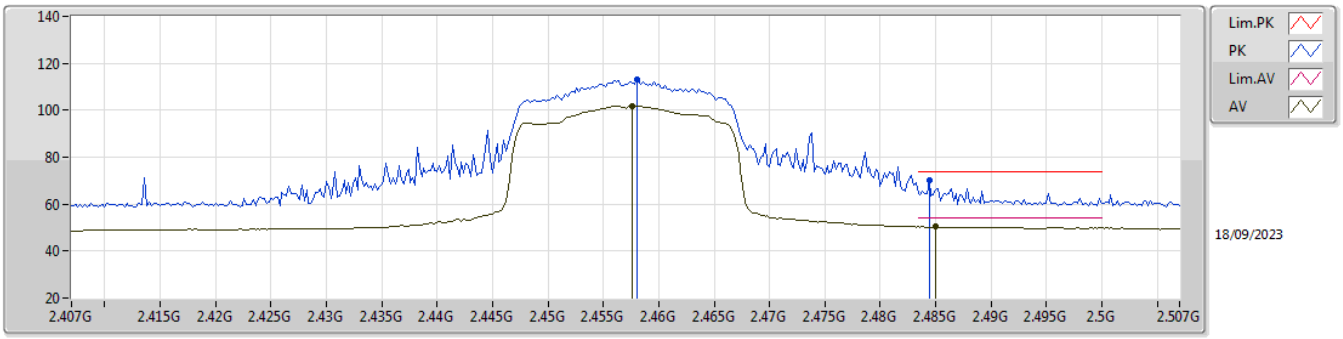


EUT Y_2TX
Setting 19
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8725G	52.84	74.00	-21.16	47.49	3	Horizontal	172	1.80	-	33.54	6.54	34.73
AV	4.87448G	40.17	54.00	-13.83	34.81	3	Horizontal	172	1.80	-	33.55	6.54	34.73
PK	7.31052G	58.91	74.00	-15.09	48.77	3	Horizontal	205	2.77	-	36.82	8.70	35.38
AV	7.31376G	45.24	54.00	-8.76	35.09	3	Horizontal	205	2.77	-	36.83	8.70	35.38

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2457MHz_TX

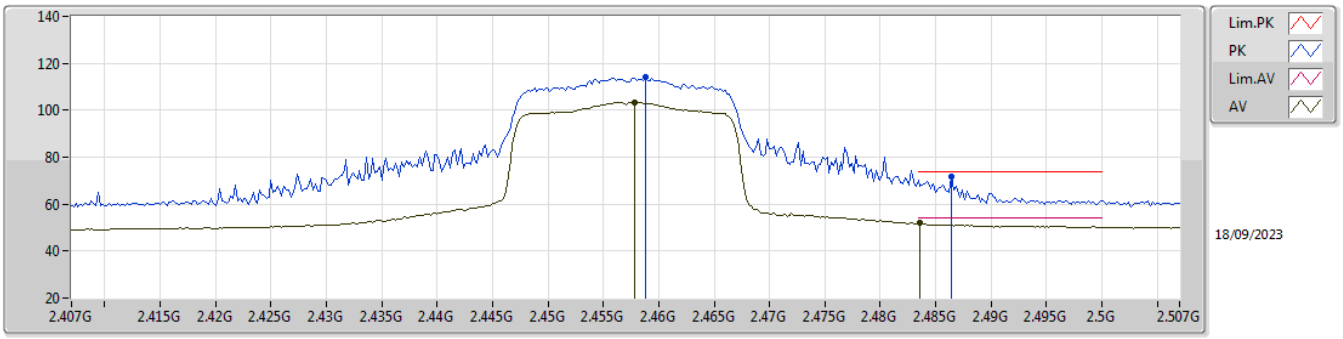


EUT Y_2TX
Setting 17
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.458G	113.01	Inf	-Inf	80.70	3	Vertical	22	2.29	-	28.25	4.06	-
AV	2.4576G	101.89	Inf	-Inf	69.58	3	Vertical	22	2.29	-	28.25	4.06	-
PK	2.4844G	70.06	74.00	-3.94	37.57	3	Vertical	22	2.29	-	28.41	4.08	-
AV	2.485G	50.45	54.00	-3.55	17.96	3	Vertical	22	2.29	-	28.41	4.08	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2457MHz_TX

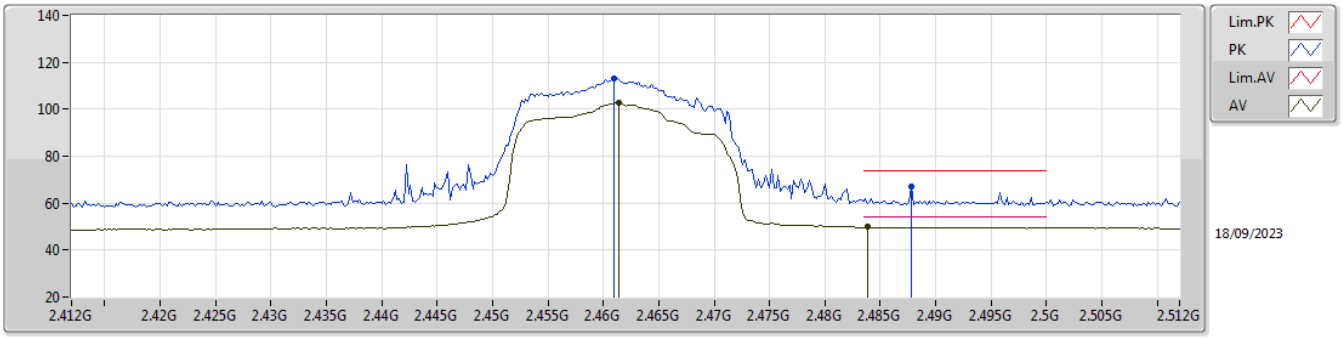


EUT Y_2TX
Setting 17
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4588G	113.94	Inf	-Inf	81.63	3	Horizontal	6	1.91	-	28.25	4.06	-
AV	2.4578G	103.38	Inf	-Inf	71.07	3	Horizontal	6	1.91	-	28.25	4.06	-
PK	2.4864G	71.50	74.00	-2.50	38.99	3	Horizontal	6	1.91	-	28.42	4.09	-
AV	2.4836G	51.90	54.00	-2.10	19.42	3	Horizontal	6	1.91	-	28.40	4.08	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2462MHz_TX

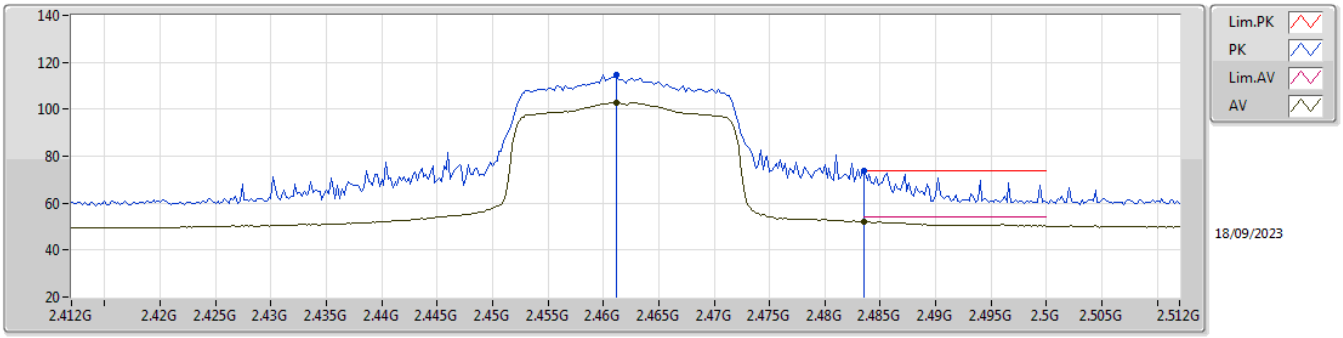


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.461G	113.35	Inf	-Inf	81.02	3	Vertical	31	1.80	-	28.27	4.06	-
AV	2.4614G	102.76	Inf	-Inf	70.43	3	Vertical	31	1.80	-	28.27	4.06	-
PK	2.4878G	67.24	74.00	-6.76	34.72	3	Vertical	31	1.80	-	28.43	4.09	-
AV	2.4838G	49.97	54.00	-4.03	17.49	3	Vertical	31	1.80	-	28.40	4.08	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2462MHz_TX

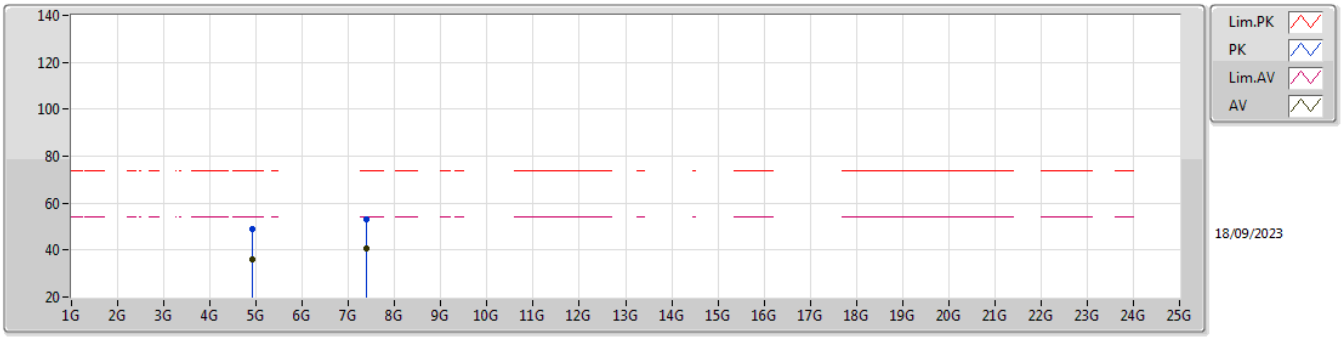


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4612G	114.48	Inf	-Inf	82.15	3	Horizontal	4	1.91	-	28.27	4.06	-
AV	2.4612G	102.89	Inf	-Inf	70.56	3	Horizontal	4	1.91	-	28.27	4.06	-
PK	2.4835G	73.63	74.00	-0.37	41.15	3	Horizontal	4	1.91	-	28.40	4.08	-
AV	2.4835G	52.10	54.00	-1.90	19.62	3	Horizontal	4	1.91	-	28.40	4.08	-

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2462MHz_TX

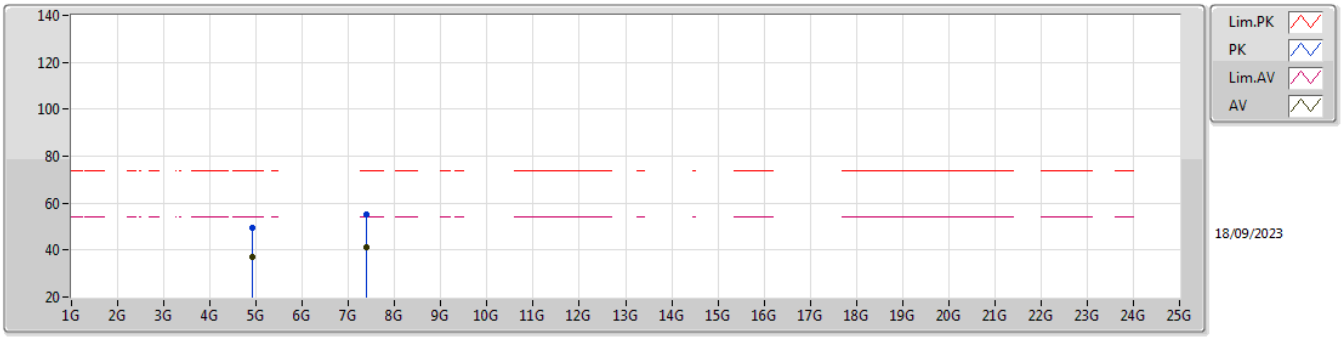


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.915G	48.97	74.00	-25.03	43.50	3	Vertical	235	1.76	-	33.67	6.56	34.76
AV	4.92052G	35.89	54.00	-18.11	30.44	3	Vertical	235	1.76	-	33.66	6.56	34.77
PK	7.38702G	53.32	74.00	-20.68	43.06	3	Vertical	343	1.98	-	36.90	8.70	35.34
AV	7.38624G	40.85	54.00	-13.15	30.59	3	Vertical	343	1.98	-	36.90	8.70	35.34

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS3)_2TX

2462MHz_TX

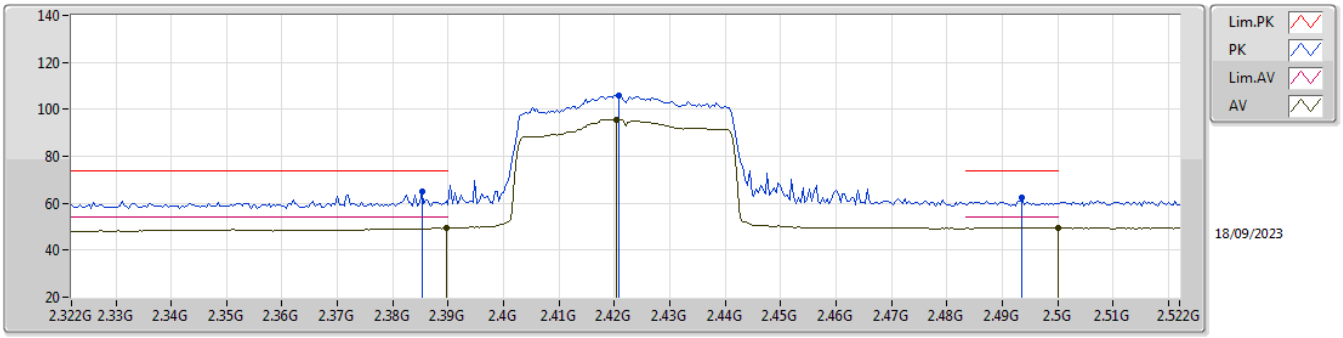


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92442G	49.67	74.00	-24.33	44.23	3	Horizontal	147	1.60	-	33.65	6.56	34.77
AV	4.92592G	37.26	54.00	-16.74	31.82	3	Horizontal	147	1.60	-	33.65	6.56	34.77
PK	7.38234G	54.97	74.00	-19.03	44.71	3	Horizontal	208	2.12	-	36.90	8.70	35.34
AV	7.38366G	41.36	54.00	-12.64	31.10	3	Horizontal	208	2.12	-	36.90	8.70	35.34

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2422MHz_TX

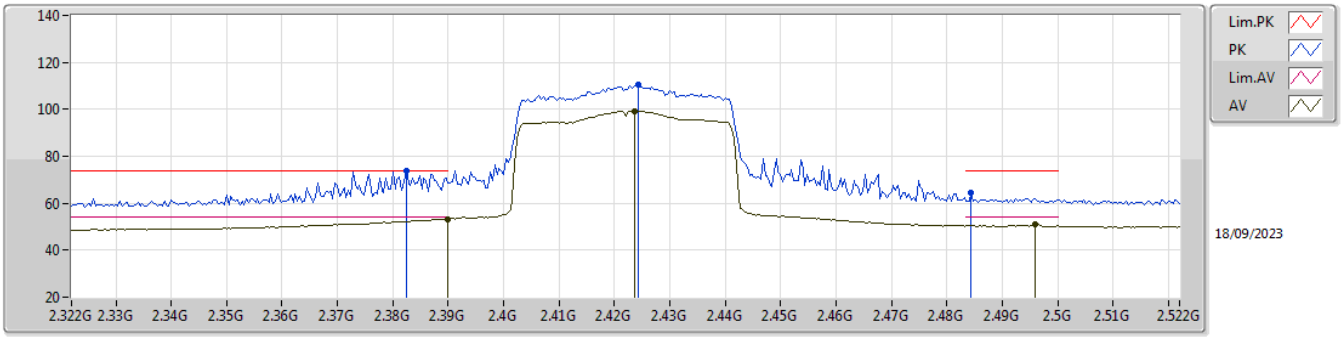


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3852G	65.16	74.00	-8.84	32.97	3	Vertical	310	1.80	-	28.20	3.99	-
AV	2.3896G	49.48	54.00	-4.52	17.29	3	Vertical	310	1.80	-	28.20	3.99	-
PK	2.4208G	106.06	Inf	-Inf	73.84	3	Vertical	310	1.80	-	28.20	4.02	-
AV	2.4204G	95.57	Inf	-Inf	63.35	3	Vertical	310	1.80	-	28.20	4.02	-
PK	2.4936G	62.34	74.00	-11.66	29.79	3	Vertical	310	1.80	-	28.46	4.09	-
AV	2.5G	49.59	54.00	-4.41	16.99	3	Vertical	310	1.80	-	28.50	4.10	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2422MHz_TX

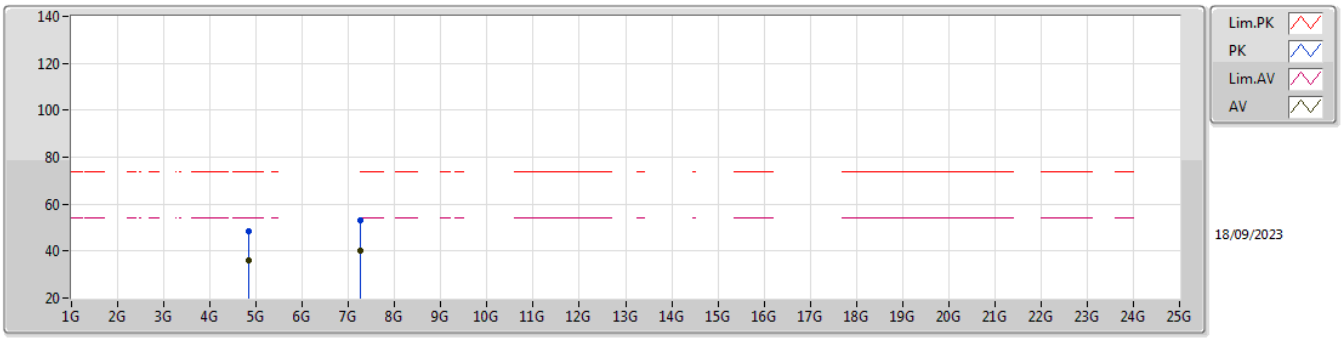


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3824G	73.97	74.00	-0.03	41.79	3	Horizontal	360	1.72	-	28.20	3.98	-
AV	2.39G	53.31	54.00	-0.69	21.12	3	Horizontal	360	1.72	-	28.20	3.99	-
PK	2.4244G	110.40	Inf	-Inf	78.18	3	Horizontal	360	1.72	-	28.20	4.02	-
AV	2.4236G	99.37	Inf	-Inf	67.15	3	Horizontal	360	1.72	-	28.20	4.02	-
PK	2.4844G	64.62	74.00	-9.38	32.13	3	Horizontal	360	1.72	-	28.41	4.08	-
AV	2.496G	50.98	54.00	-3.02	18.40	3	Horizontal	360	1.72	-	28.48	4.10	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2422MHz_TX

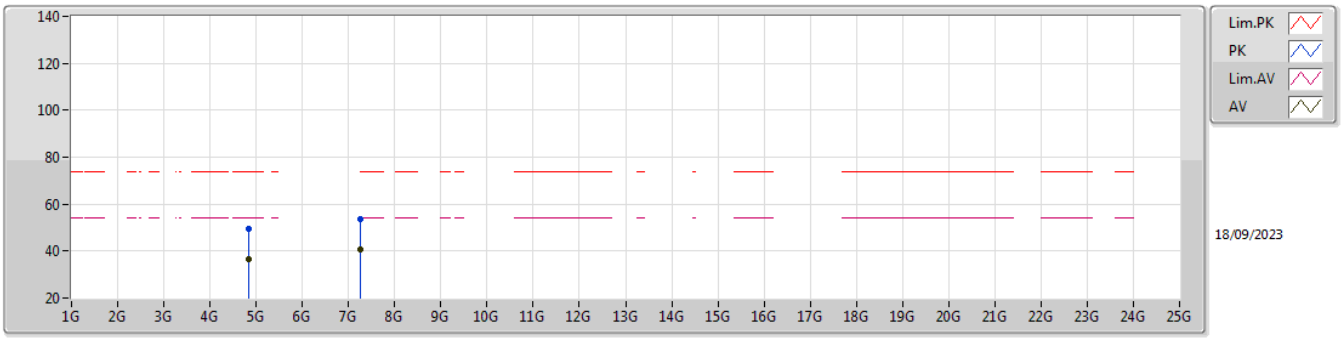


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8335G	48.22	74.00	-25.78	43.00	3	Vertical	240	1.72	-	33.40	6.52	34.70
AV	4.83446G	35.87	54.00	-18.13	30.65	3	Vertical	240	1.72	-	33.40	6.52	34.70
PK	7.26468G	52.91	74.00	-21.09	42.96	3	Vertical	43	2.80	-	36.66	8.70	35.41
AV	7.25244G	40.20	54.00	-13.80	30.30	3	Vertical	43	2.80	-	36.61	8.70	35.41

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2422MHz_TX

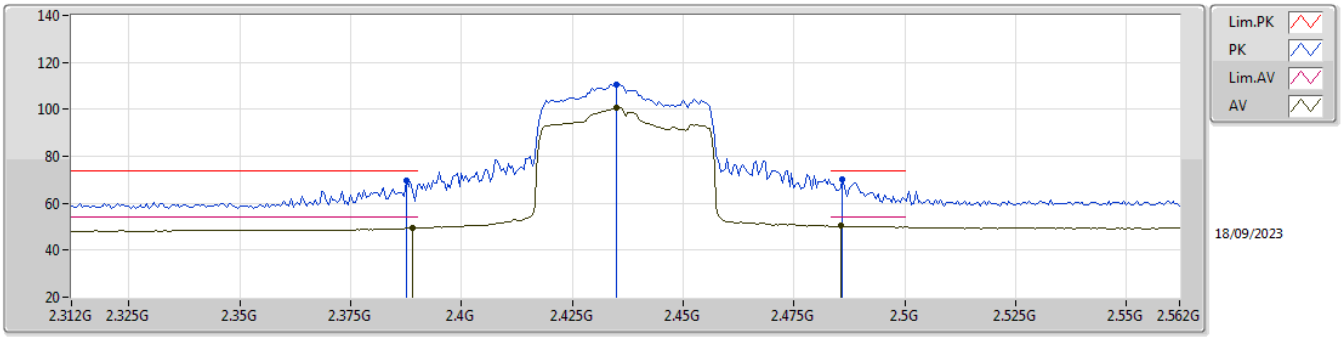


EUT Y_2TX
Setting 16
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.84262G	49.34	74.00	-24.66	44.13	3	Horizontal	180	1.96	-	33.40	6.52	34.71
AV	4.8443G	36.59	54.00	-17.41	31.38	3	Horizontal	180	1.96	-	33.40	6.52	34.71
PK	7.25454G	53.69	74.00	-20.31	43.78	3	Horizontal	180	2.26	-	36.62	8.70	35.41
AV	7.26552G	40.51	54.00	-13.49	30.56	3	Horizontal	180	2.26	-	36.66	8.70	35.41

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2437MHz_TX

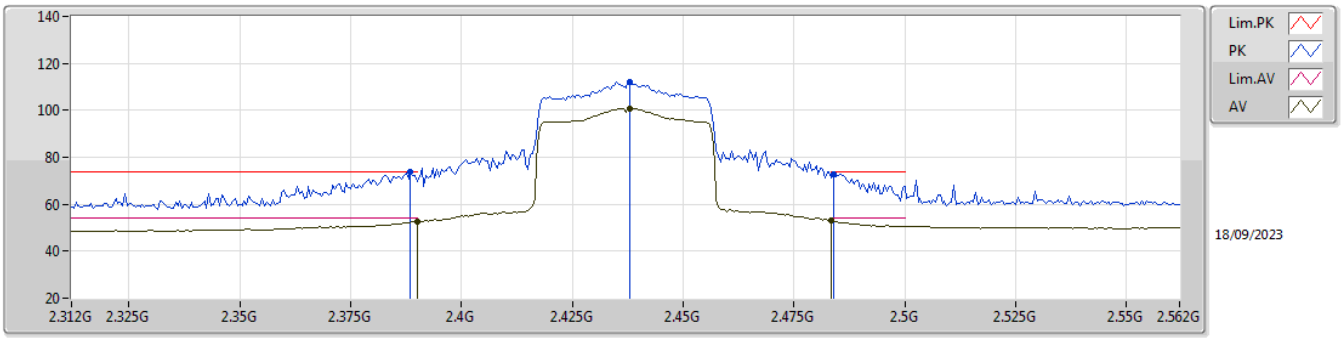


EUT Y_2TX
Setting 17
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3875G	69.45	74.00	-4.55	37.26	3	Vertical	8	2.54	-	28.20	3.99	-
AV	2.389G	49.25	54.00	-4.75	17.06	3	Vertical	8	2.54	-	28.20	3.99	-
PK	2.435G	110.37	Inf	-Inf	78.13	3	Vertical	8	2.54	-	28.20	4.04	-
AV	2.435G	100.67	Inf	-Inf	68.43	3	Vertical	8	2.54	-	28.20	4.04	-
PK	2.486G	70.03	74.00	-3.97	37.52	3	Vertical	8	2.54	-	28.42	4.09	-
AV	2.4855G	50.46	54.00	-3.54	17.96	3	Vertical	8	2.54	-	28.41	4.09	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2437MHz_TX

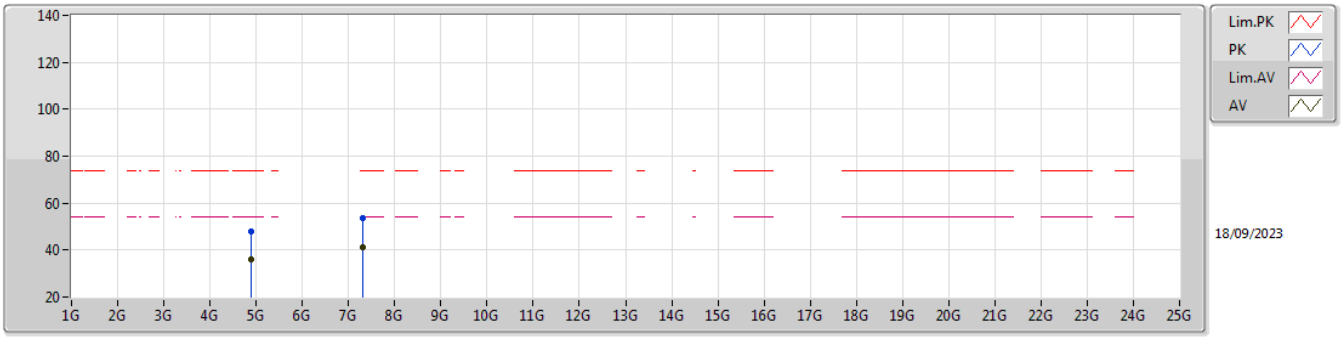


EUT Y_2TX
Setting 17
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3885G	73.77	74.00	-0.23	41.58	3	Horizontal	359	1.80	-	28.20	3.99	-
AV	2.39G	52.54	54.00	-1.46	20.35	3	Horizontal	359	1.80	-	28.20	3.99	-
PK	2.438G	112.09	Inf	-Inf	79.85	3	Horizontal	359	1.80	-	28.20	4.04	-
AV	2.438G	100.82	Inf	-Inf	68.58	3	Horizontal	359	1.80	-	28.20	4.04	-
PK	2.484G	72.99	74.00	-1.01	40.51	3	Horizontal	359	1.80	-	28.40	4.08	-
AV	2.4835G	52.99	54.00	-1.01	20.51	3	Horizontal	359	1.80	-	28.40	4.08	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2437MHz_TX

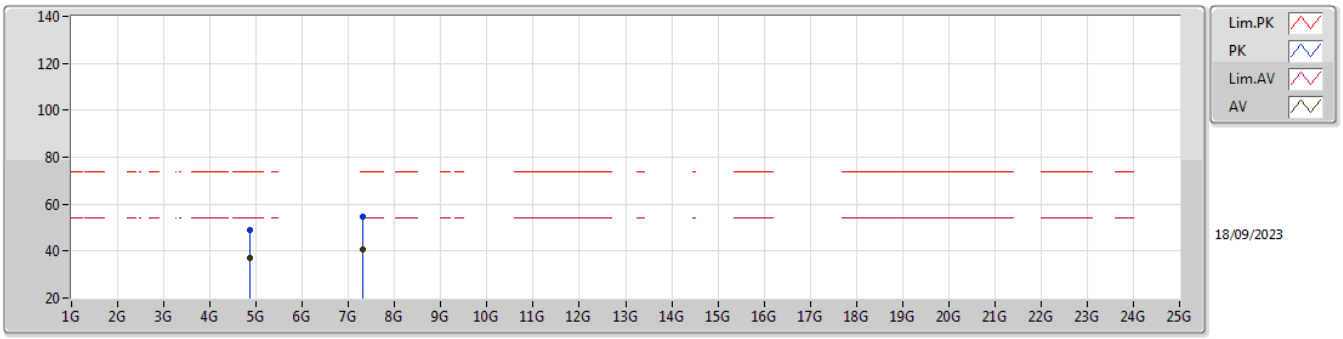


EUT Y_2TX
Setting 17
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.88132G	47.81	74.00	-26.19	42.42	3	Vertical	238	1.80	-	33.59	6.54	34.74
AV	4.87916G	35.91	54.00	-18.09	30.54	3	Vertical	238	1.80	-	33.57	6.54	34.74
PK	7.31988G	53.59	74.00	-20.41	43.42	3	Vertical	341	3.00	-	36.84	8.70	35.37
AV	7.3098G	41.12	54.00	-12.88	30.98	3	Vertical	341	3.00	-	36.82	8.70	35.38

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2437MHz_TX

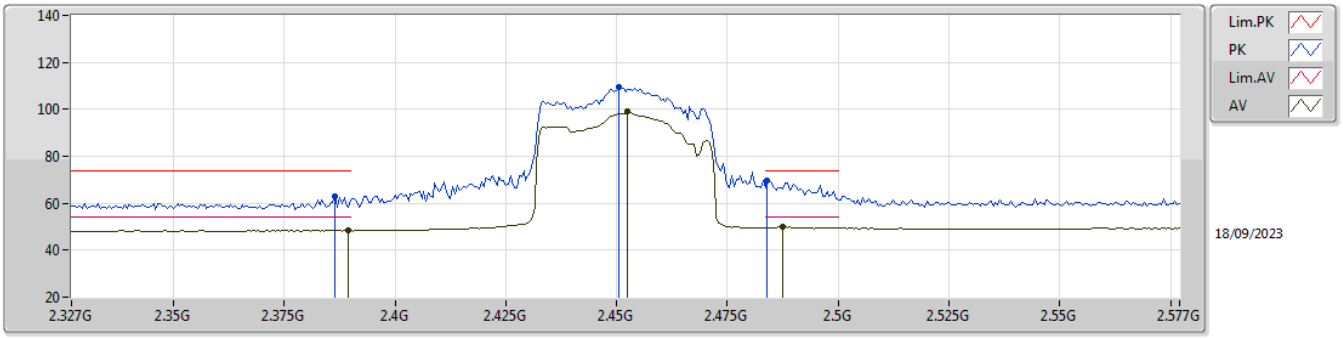


EUT Y_2TX
Setting 17
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87646G	49.17	74.00	-24.83	43.80	3	Horizontal	171	2.06	-	33.56	6.54	34.73
AV	4.87376G	36.93	54.00	-17.07	31.58	3	Horizontal	171	2.06	-	33.54	6.54	34.73
PK	7.3134G	54.61	74.00	-19.39	44.46	3	Horizontal	242	2.09	-	36.83	8.70	35.38
AV	7.3062G	40.91	54.00	-13.09	30.78	3	Horizontal	242	2.09	-	36.81	8.70	35.38

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2452MHz_TX

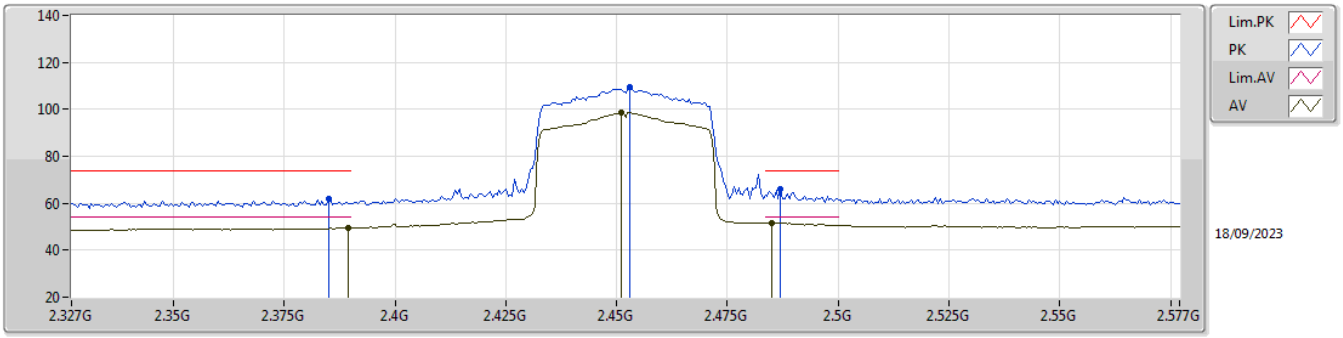


EUT Y_2TX
Setting 15
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3865G	62.98	74.00	-11.02	30.79	3	Vertical	5	2.22	-	28.20	3.99	-
AV	2.3895G	48.26	54.00	-5.74	16.07	3	Vertical	5	2.22	-	28.20	3.99	-
PK	2.4505G	109.25	Inf	-Inf	77.00	3	Vertical	5	2.22	-	28.20	4.05	-
AV	2.4525G	98.92	Inf	-Inf	66.66	3	Vertical	5	2.22	-	28.21	4.05	-
PK	2.484G	69.56	74.00	-4.44	37.08	3	Vertical	5	2.22	-	28.40	4.08	-
AV	2.4875G	49.76	54.00	-4.24	17.24	3	Vertical	5	2.22	-	28.43	4.09	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2452MHz_TX

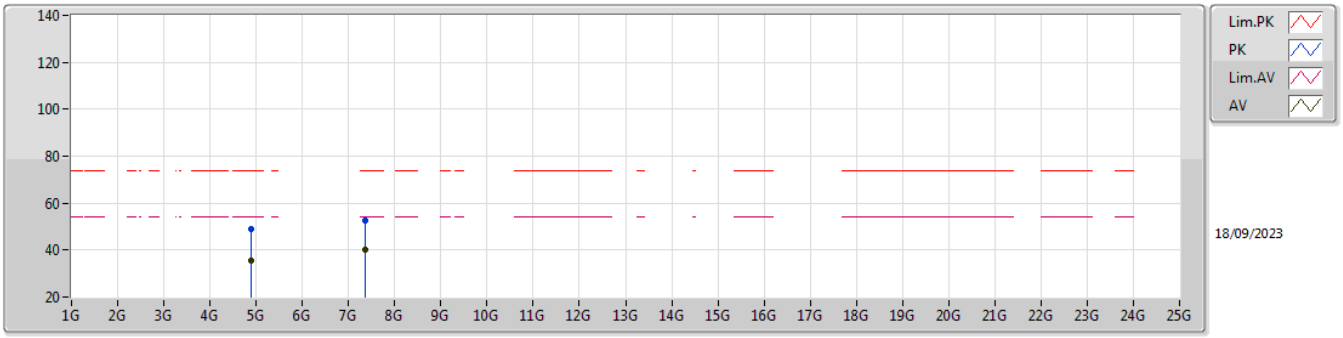


EUT Y_2TX
Setting 15
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.385G	61.84	74.00	-12.16	29.65	3	Horizontal	357	2.31	-	28.20	3.99	-
AV	2.3895G	49.71	54.00	-4.29	17.52	3	Horizontal	357	2.31	-	28.20	3.99	-
PK	2.453G	109.24	Inf	-Inf	76.97	3	Horizontal	357	2.31	-	28.22	4.05	-
AV	2.451G	98.56	Inf	-Inf	66.30	3	Horizontal	357	2.31	-	28.21	4.05	-
PK	2.487G	66.26	74.00	-7.74	33.75	3	Horizontal	357	2.31	-	28.42	4.09	-
AV	2.485G	51.52	54.00	-2.48	19.03	3	Horizontal	357	2.31	-	28.41	4.08	-

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2452MHz_TX

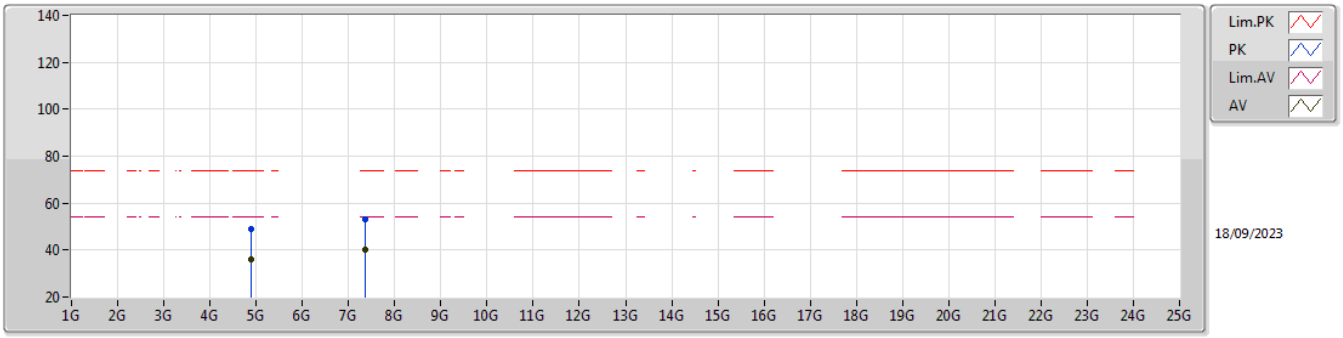


EUT Y_2TX
Setting 15
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.89464G	48.74	74.00	-25.26	43.27	3	Vertical	219	2.06	-	33.67	6.55	34.75
AV	4.89596G	35.71	54.00	-18.29	30.23	3	Vertical	219	2.06	-	33.68	6.55	34.75
PK	7.35708G	52.58	74.00	-21.42	42.33	3	Vertical	68	1.80	-	36.90	8.70	35.35
AV	7.3605G	40.30	54.00	-13.70	30.05	3	Vertical	68	1.80	-	36.90	8.70	35.35

2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS3)_2TX

2452MHz_TX



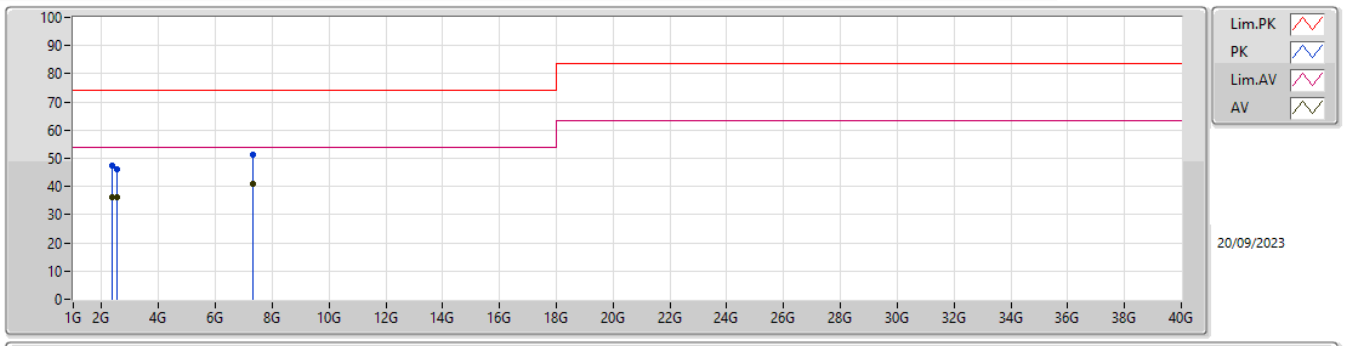
EUT Y_2TX
Setting 15
03-L-E-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8959G	48.78	74.00	-25.22	43.30	3	Horizontal	228	1.80	-	33.68	6.55	34.75
AV	4.8947G	36.15	54.00	-17.85	30.68	3	Horizontal	228	1.80	-	33.67	6.55	34.75
PK	7.36098G	53.16	74.00	-20.84	42.91	3	Horizontal	129	1.80	-	36.90	8.70	35.35
AV	7.35744G	40.41	54.00	-13.59	30.16	3	Horizontal	129	1.80	-	36.90	8.70	35.35

Summary

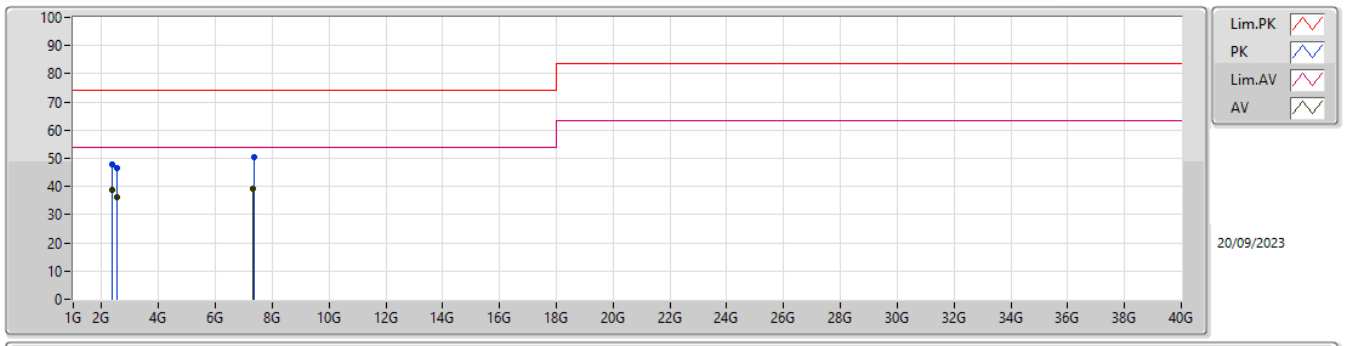
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	7.3268G	40.78	54.00	-13.22	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	2.3727G	47.36	74.00	-26.64	-3.89	3	Vertical	173	2.00	-	51.25	27.54	3.77	35.20
AV	2.37235G	36.31	54.00	-17.69	-3.90	3	Vertical	173	2..00	-	40.21	27.53	3.77	35.20
PK	2.539G	45.99	74.00	-28.01	-3.07	3	Vertical	200	2.50	-	49.06	28.13	3.87	35.07
AV	2.539G	36.26	54.00	-17.74	-3.07	3	Vertical	200	2.50	-	39.33	28.13	3.87	35.07
PK	7.3238G	51.36	74.00	-22.64	10.52	3	Vertical	360	1.80	-	40.84	37.70	6.92	34.10
AV	7.3268G	40.78	54.00	-13.22	10.53	3	Vertical	360	1.80	"Worst"	30.25	37.70	6.93	34.10

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	2.3575G	47.74	74.00	-26.26	-4.01	3	Horizontal	30	1.35	-	51.75	27.44	3.76	35.21
AV	2.3581G	38.74	54.00	-15.26	-4.00	3	Horizontal	30	1.35	-	42.74	27.45	3.76	35.21
PK	2.53775G	46.40	74.00	-27.60	-3.07	3	Horizontal	0	2.50	-	49.47	28.13	3.87	35.07
AV	2.5417G	36.39	54.00	-17.61	-3.05	3	Horizontal	0	2.50	-	39.44	28.15	3.87	35.07
PK	7.34365G	50.55	74.00	-23.45	10.53	3	Horizontal	223	1.80	-	40.02	37.70	6.94	34.11
AV	7.32925G	39.29	54.00	-14.71	10.53	3	Horizontal	223	1.80	"Worst"	28.76	37.70	6.93	34.10

1. Photographs of Conducted Emissions Test Configuration

Test Mode: Mode 2

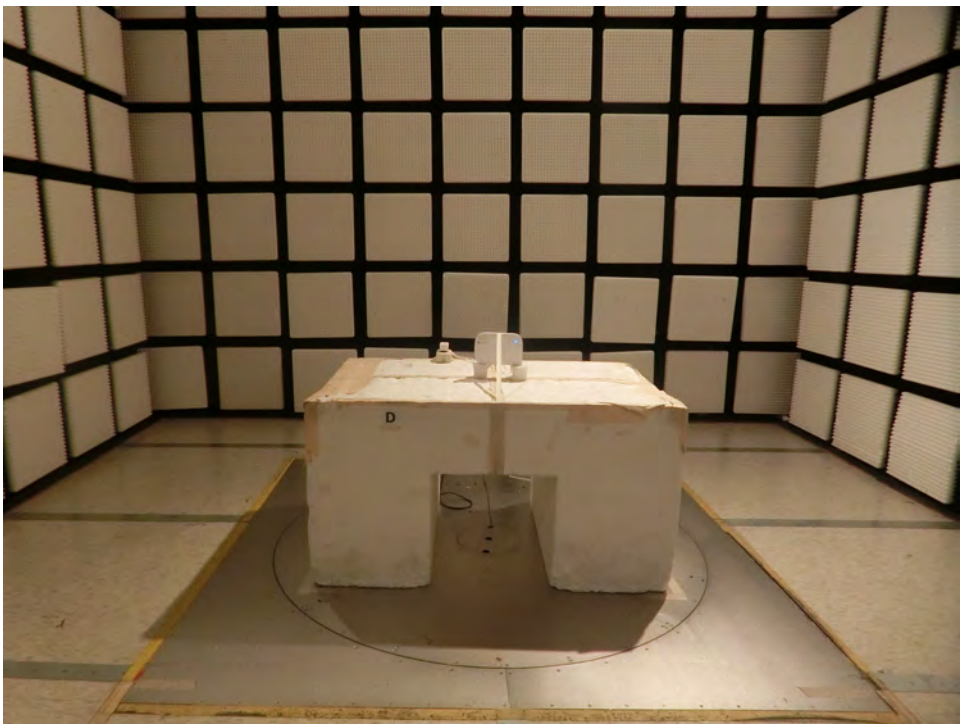
FRONT VIEW

REAR VIEW

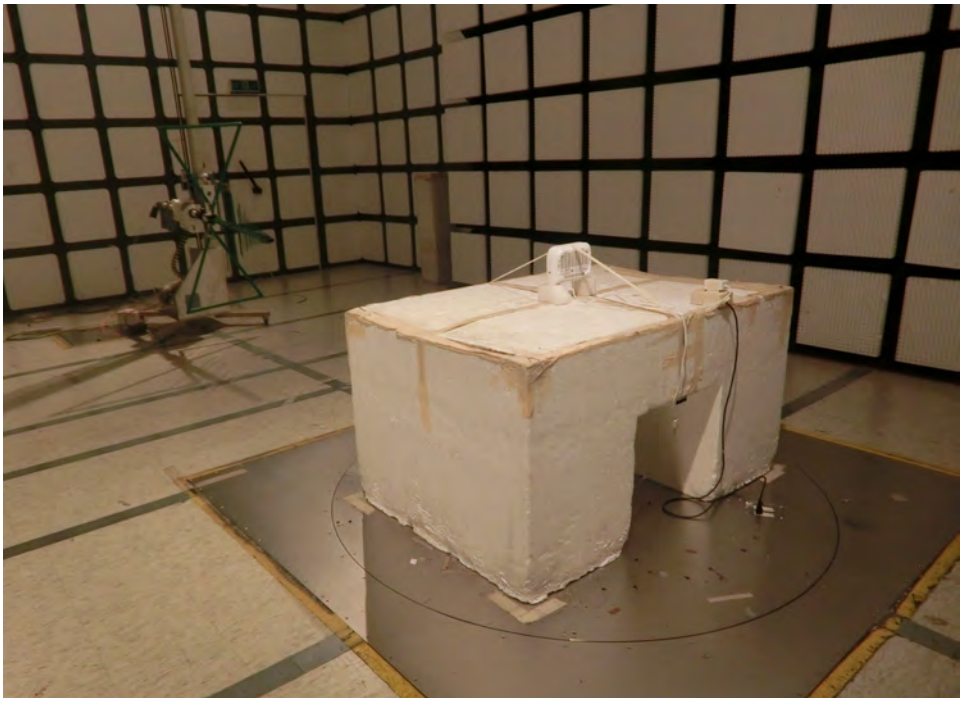
2. Photographs of Radiated Emissions Test Configuration

Test Configuration: 30MHz~1GHz / Test Mode: Mode 3

FRONT VIEW

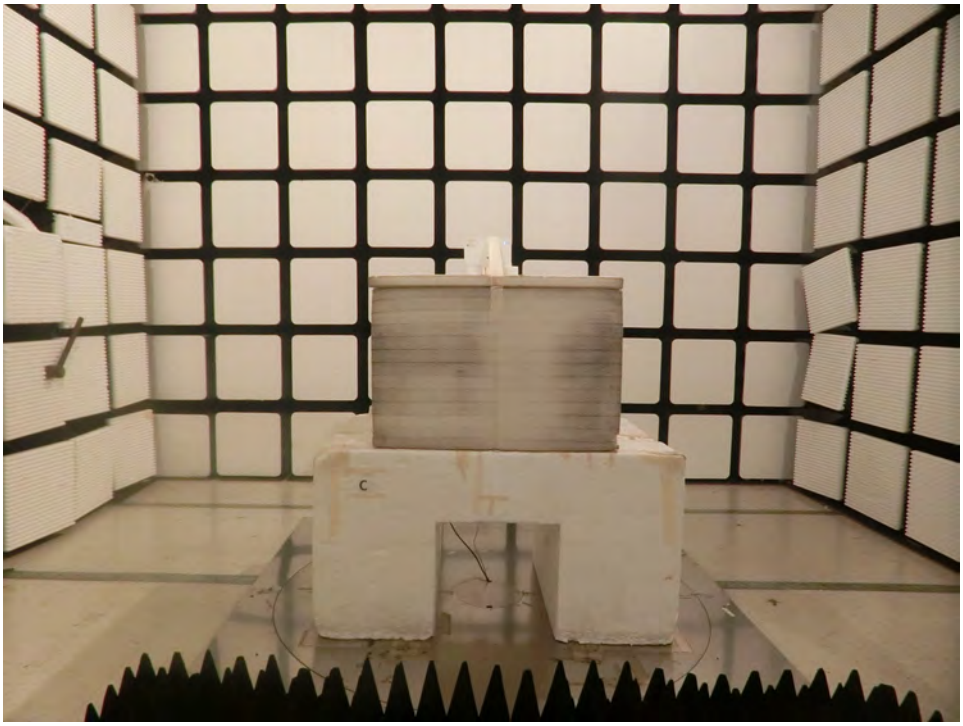


REAR VIEW

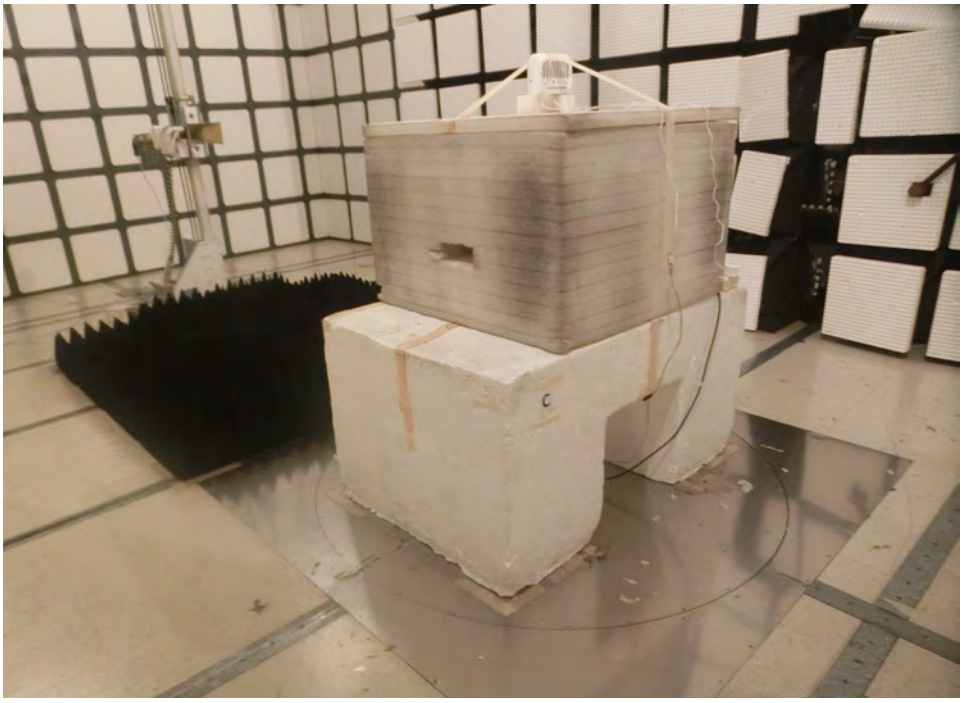


Test Configuration: Above 1GHz

FRONT VIEW



REAR VIEW



———THE END———