



RADIO TEST REPORT

FCC ID : UIDG54
Equipment : Cable Modem
Brand Name : ARRIS
Model Name : G54
Applicant : ARRIS
3871 Lakefield Drive Suite 300 SUWANEE Georgia
United States 30024
Manufacturer : ARRIS
3871 Lakefield Drive Suite 300 SUWANEE Georgia
United States 30024
Standard : 47 CFR FCC Part 15.247

The product was received on Feb. 27, 2023, and testing was started from Feb. 27, 2023 and completed on Mar. 24, 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

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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_10 Ver1.3



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/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

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

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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



1.1.2 Antenna Information

Ant.	Port				Brand	Model Name	Ant. Type	Connector	Support Band
	2.4GHz	5GHz		6GHz					
		UNII1 UNII2A	UNII2C UNII3						
1	-	2	-	-	Wanshih	WPB866	DIPOLE	I-PEX	5GHz UNII 1, 2A
2	1	-	1	-	Wanshih	WPB867	DIPOLE	I-PEX	2.4GHz/5GHz UNII 2C, 3
3	-	1	-	-	Wanshih	WPB868	DIPOLE	I-PEX	5GHz UNII 1, 2A
4	2	-	2	-	Wanshih	WPB869	DIPOLE	I-PEX	2.4GHz/5GHz UNII 2C, 3
5	-	-	-	2	Wanshih	WPB870	DIPOLE	I-PEX	6GHz
6	-	-	-	1	Wanshih	WPB871	DIPOLE	I-PEX	6GHz
7	-	-	-	4	Wanshih	WPB872	DIPOLE	I-PEX	6GHz
8	-	-	-	3	Wanshih	WPB873	DIPOLE	I-PEX	6GHz

Ant.	Antenna Gain (dBi)			Ant.	Antenna Gain (dBi)	
	2.4GHz	5GHz UNII1 / UNII2A	5GHz UNII2C / UNII3		6GHz	
1	-	4.92	-	5	4.94	
2	4.14	-	4.75	6	5.68	
3	-	4.78	-	7	4.77	
4	2.64	-	4.60	8	5.83	

Note 1: The above information was declared by manufacturer.

Note 2: The DFS band and 6GHz doesn't enable at this time.

<For WLAN 2.4GHz>

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

<For WLAN 5GHz>

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

<For WLAN 6GHz>

For IEEE 802.11ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

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	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

$$2.4G\ G1 = 4.14\ dBi ; G2 = 2.64\ dBi ; DG = 6.43\ dBi$$

$$5G\ UNII-1\ G1 = 4.92\ dBi ; G2 = 4.78\ dBi ; DG = 7.86\ dBi$$

$$5G\ UNII-2A\ G1 = 4.92\ dBi ; G2 = 4.78\ dBi ; DG = 7.86\ dBi$$

$$5G\ UNII-2C\ G1 = 4.75\ dBi ; G2 = 4.60\ dBi ; DG = 7.69\ dBi$$

$$5G\ UNII-3\ G1 = 4.75\ dBi ; G2 = 4.60\ dBi ; DG = 7.69\ dBi$$

$$6G\ UNII-4\ G1 = 4.94\ dBi ; G2 = 5.68\ dBi ; G3 = 4.77\ dBi ; G4 = 5.83\ dBi ; DG = 11.34\ dBi$$

$$6G\ UNII-5\ G1 = 4.94\ dBi ; G2 = 5.68\ dBi ; G3 = 4.77\ dBi ; G4 = 5.83\ dBi ; DG = 11.34\ dBi$$

$$6G\ UNII-6\ G1 = 4.94\ dBi ; G2 = 5.68\ dBi ; G3 = 4.77\ dBi ; G4 = 5.83\ dBi ; DG = 11.34\ dBi$$

$$6G\ UNII-7\ G1 = 4.94\ dBi ; G2 = 5.68\ dBi ; G3 = 4.77\ dBi ; G4 = 5.83\ dBi ; DG = 11.34\ dBi$$

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.608	2.16	693.75u	3k
802.11g	0.939	0.27	1.984m	1k
802.11ax HEW20	0.79	1.02	5.449m	300
802.11ax HEW40	0.793	1.01	5.452m	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 n/VHT/ax in 2.4GHz, n/ac/ax/be in 5GHz UNII 1,3			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	QSPR(Version 5.0-00202)			

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Mason Chen	22~26 / 51~55	Mar. 02, 2023~ Mar. 03, 2023
Radiated <Below 1GHz>	03CH01-CB	Ederson Huang	20.2-21.3 / 66-67	Feb. 27, 2023~ Mar. 24, 2023
Radiated <Co-location>	03CH06-CB	Ederson Huang	20-21 / 65-68	Feb. 27, 2023~ Mar. 24, 2023
Radiated <Above 1GHz>	03CH01-CB	Ederson Huang	20.6~22.6 / 63~66	Feb. 27, 2023~ Mar. 24, 2023
AC Conduction	CO01-CB	Elvin Yeh	22~23 / 50~51	Mar. 22, 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)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	27
2437MHz	27
2462MHz	27
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	24
2417MHz	27.5
2437MHz	27.5
2457MHz	27.5
2462MHz	24.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	23.5
2417MHz	27.5
2437MHz	27.5
2457MHz	27.5
2462MHz	23.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	23
2437MHz	25
2452MHz	23
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	23.5
2417MHz	27.5
2437MHz	27
2457MHz	27.5
2462MHz	23.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	23
2437MHz	25
2452MHz	23

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 EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been evaluated to be the worst case, so it was selected to test. The beamforming mode evaluates the output power only.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	EUT_WLAN 2.4GHz + Adapter 1
2	EUT_WLAN 2.4GHz + Adapter 2
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT_WLAN 5GHz + Adapter 1
For operating mode 3 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
The EUT was performed at X axis, Y axis and Z axis position for Radiated measurement<Above 1GHz>, and the worst case was found at X axis position for 2.4GHz, Y axis position for 5GHz. Thus the measurement will follow the same test configuration.	
1	EUT in X axis_WLAN 2.4GHz + Adapter 1
2	EUT in X axis_WLAN 2.4GHz + Adapter 2
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT in Y axis: WLAN 5GHz + Adapter 2
For operating mode 3 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case as below: Thus the measurement will follow the same test configuration	
1	EUT in X 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
The EUT was performed at X axis, Y axis and Z axis position for Radiated measurement<Above 1GHz>, the worst case was found at Y axis position. Thus the measurement will follow the same test configuration.	
1	EUT in Y axis_WLAN 2.4GHz + WLAN 5GHz High Band
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA321751 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter 1	MOSO	MS-V4000R120-050A0-US	INPUT: 100-240V ~ 50/60Hz, 1.3A max. OUTPUT: 12.0V, 4.0A
Adapter 2	Frecom	F48L1-120400SPA	INPUT: 100-240V ~ 50/60Hz, 1.4A OUTPUT: 12.0V, 4.0A, 48.0W

2.5 Support Equipment

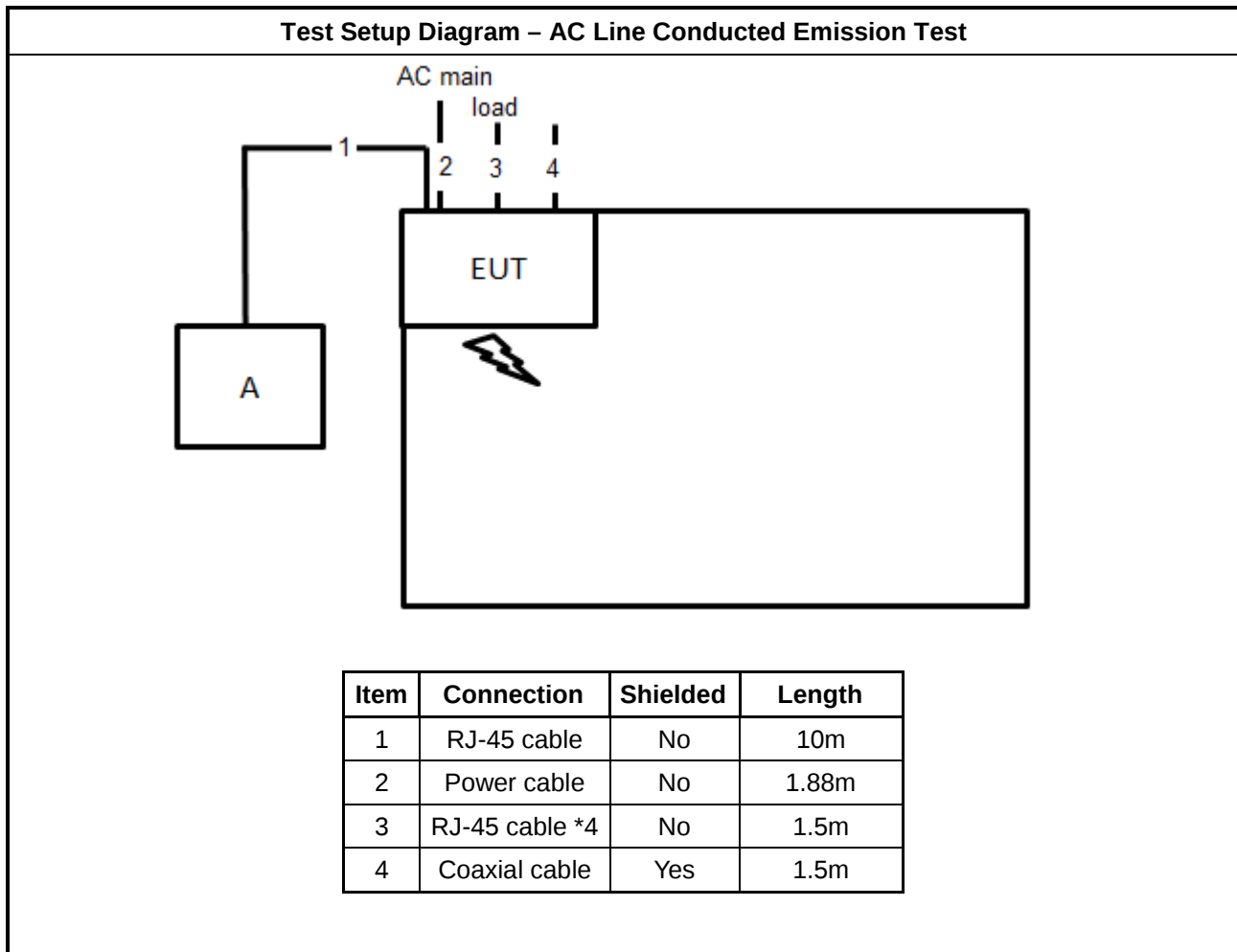
For AC Conduction:

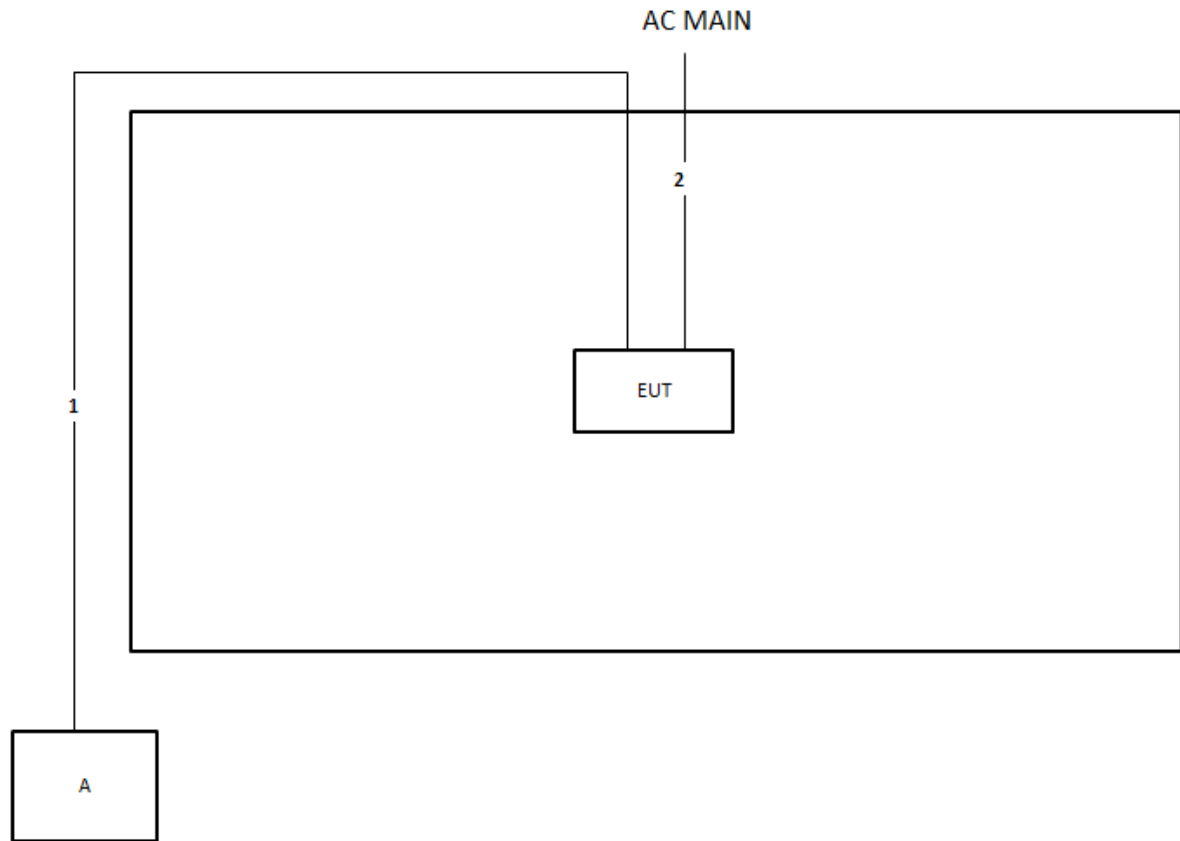
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	Lenovo	L440	N/A

For Radiated and RF Conducted:

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

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.88m



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.		

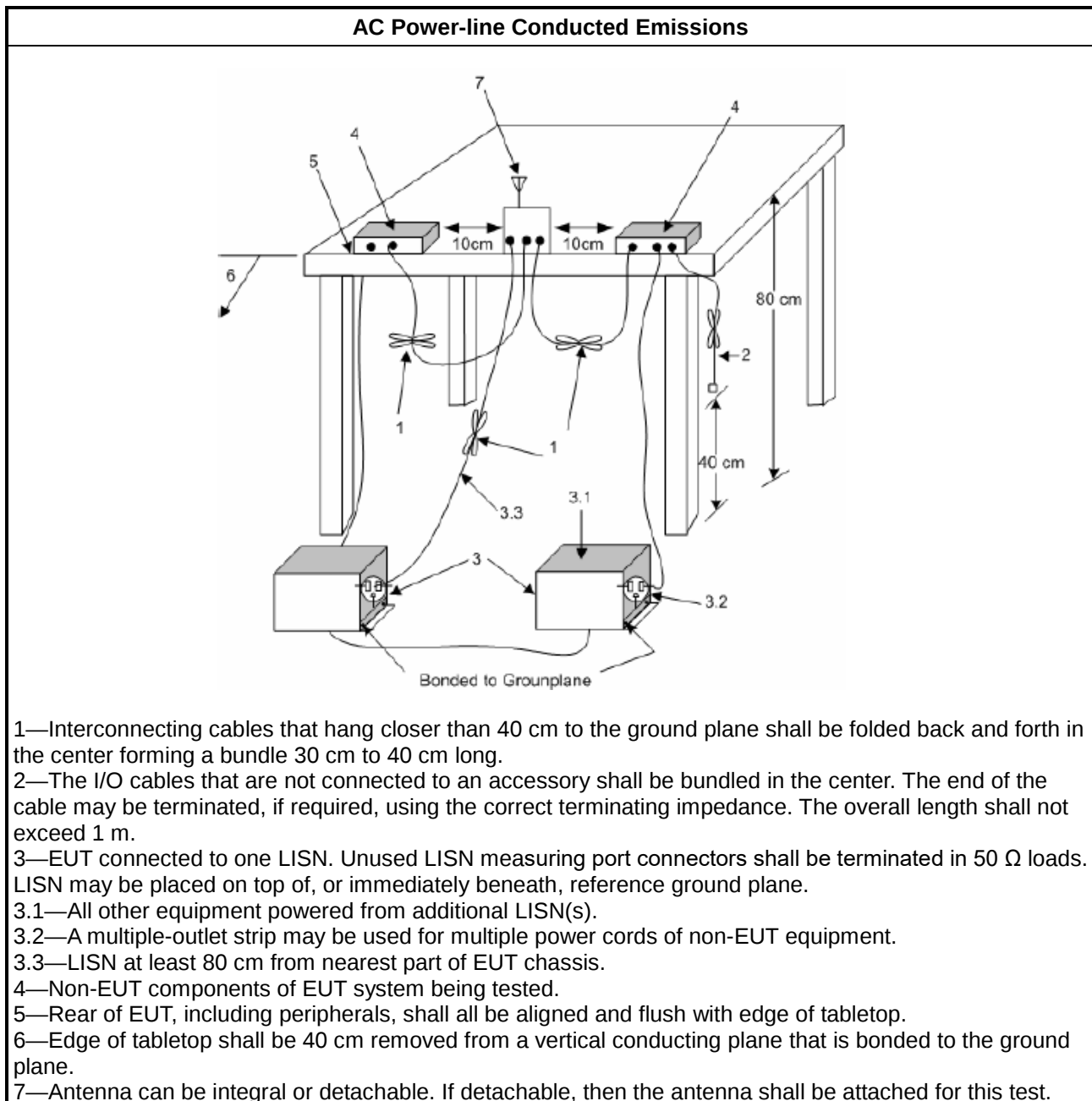
3.1.2 Measuring Instruments

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



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- 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 $\geq$ 500 kHz.

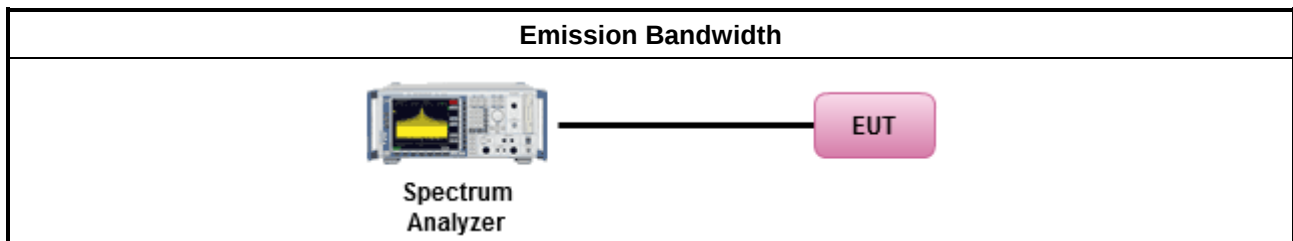
3.2.2 Measuring Instruments

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



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.	

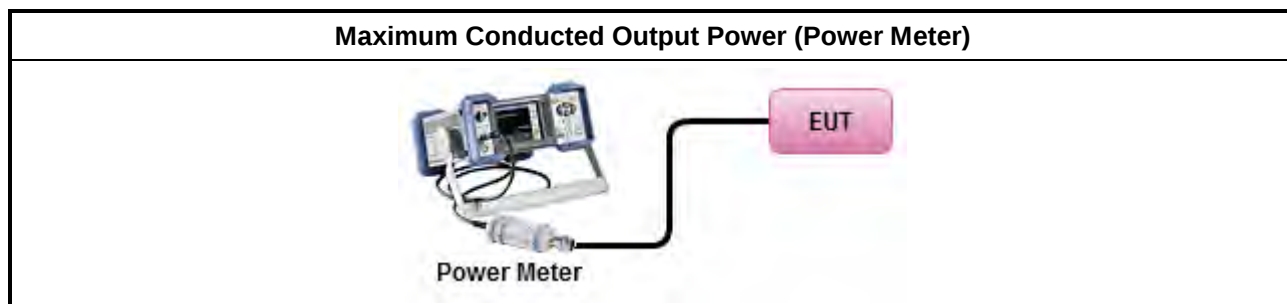
3.3.2 Measuring Instruments

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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



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

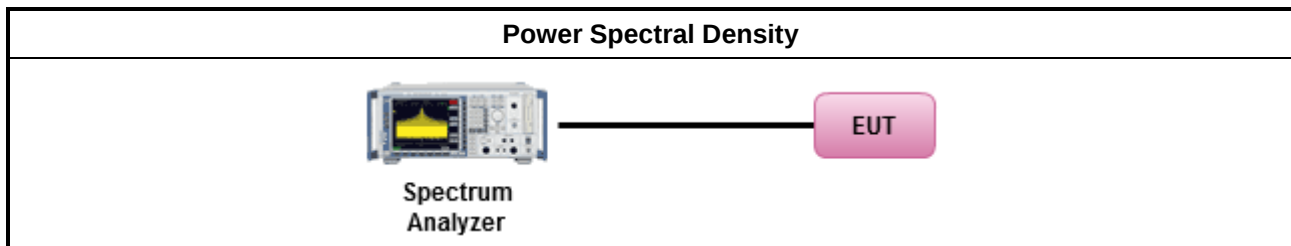
3.4.2 Measuring Instruments

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



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.	

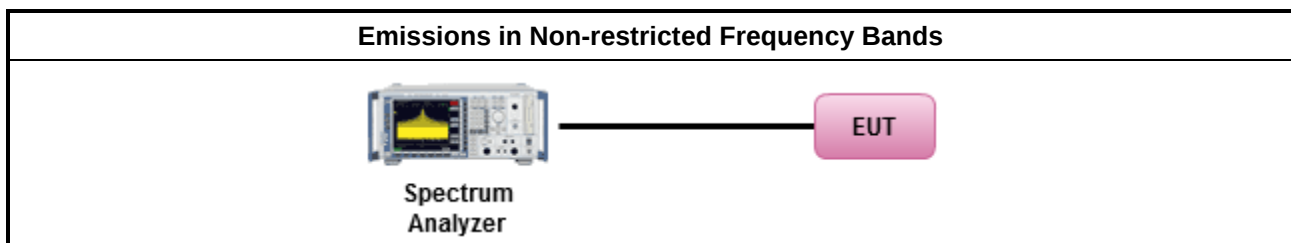
3.5.2 Measuring Instruments

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



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

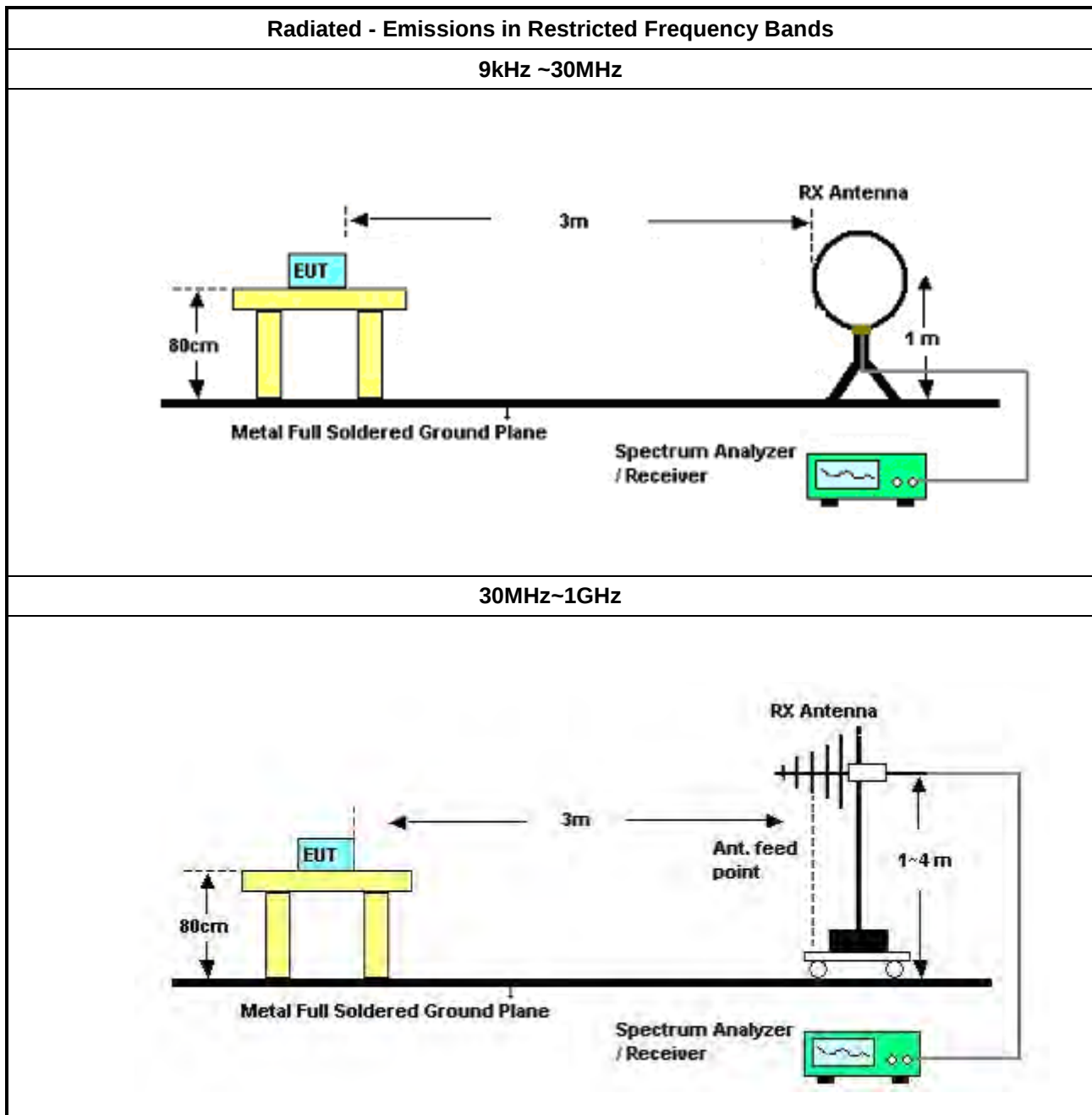
Refer a test equipment and calibration data table in this test report.

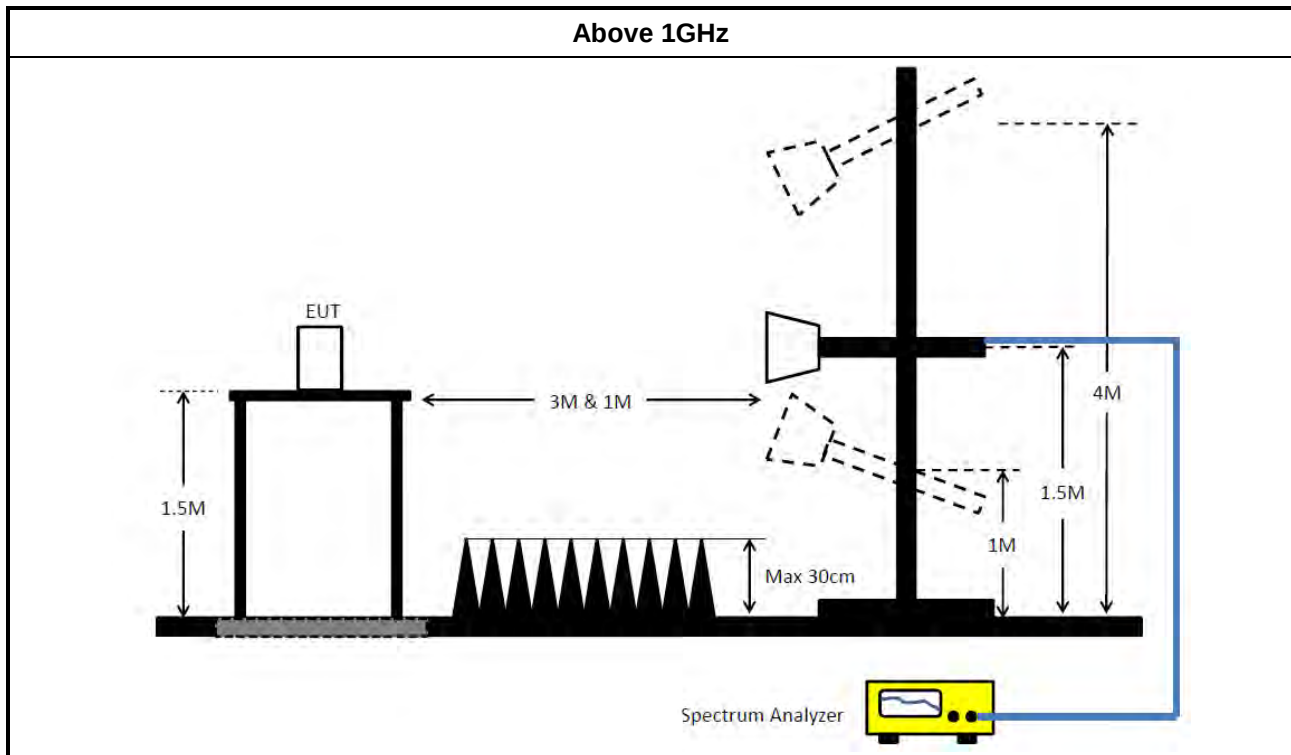


3.6.3 Test Procedures

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 $\geq 98\%$).
	☐ 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 $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, 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





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	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 20, 2022	Dec. 19, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	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	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 16, 2023	Jan. 15, 2024	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 19, 2023	Feb. 18, 2024	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH01-CB)
Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 19, 2022	May 18, 2023	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-16+17	30 MHz ~ 1 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Sep. 30, 2022	Sep. 29, 2023	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 09, 2022	Aug. 08, 2023	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug 02, 2022	Aug 01, 2023	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-68	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Dec. 21, 2022	Dec. 20, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2022	May 26, 2023	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz ~26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)



RADIO TEST REPORT

Report No. : FR321751AA

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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



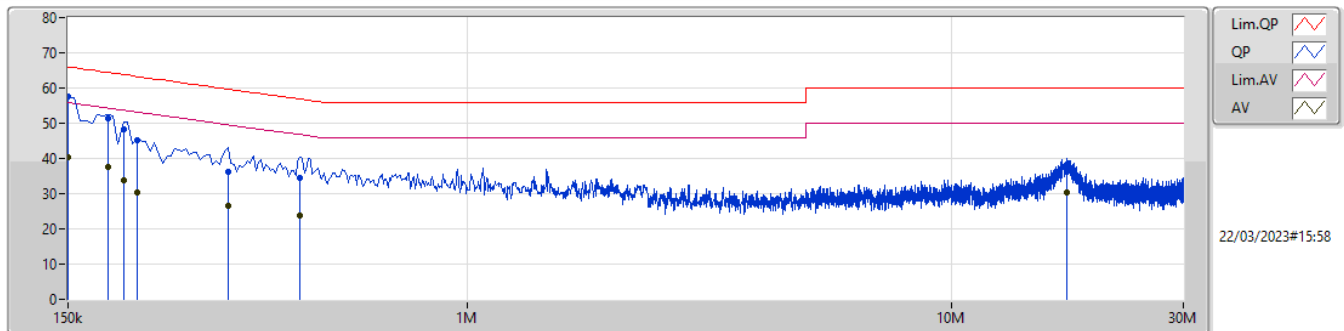
Conducted Emissions at Powerline

Appendix A

Summary

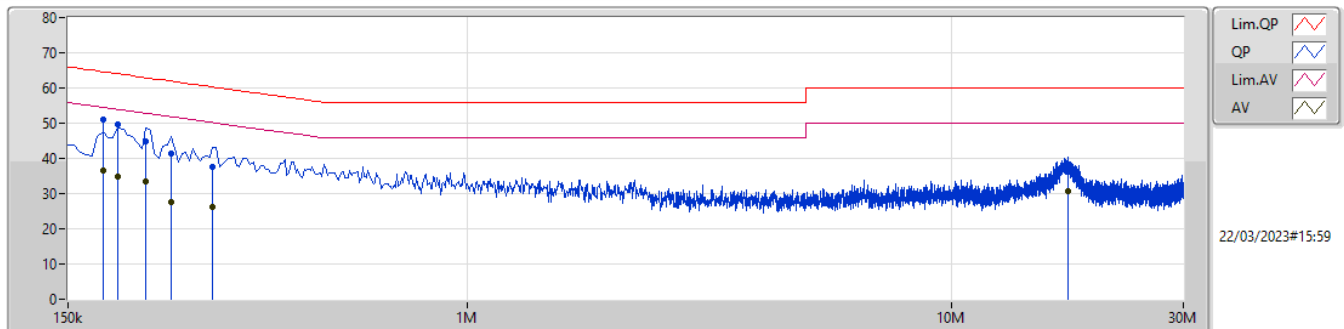
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 3	Pass	QP	150k	57.50	66.00	-8.50	Line

Mode 3



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	57.50	66.00	-8.50	9.97	Line	"Worst"	47.53	0.06	0.04	9.87						
AV	150k	40.40	56.00	-15.60	9.97	Line	-	30.43	0.06	0.04	9.87						
QP	181.5k	51.37	64.41	-13.04	9.96	Line	-	41.41	0.06	0.04	9.86						
AV	181.5k	37.46	54.41	-16.95	9.96	Line	-	27.50	0.06	0.04	9.86						
QP	195k	48.33	63.82	-15.49	9.96	Line	-	38.37	0.06	0.04	9.86						
AV	195k	33.90	53.82	-19.92	9.96	Line	-	23.94	0.06	0.04	9.86						
QP	208.5k	45.19	63.27	-18.08	9.96	Line	-	35.23	0.06	0.04	9.86						
AV	208.5k	30.48	53.27	-22.79	9.96	Line	-	20.52	0.06	0.04	9.86						
QP	321k	36.07	59.67	-23.60	10.00	Line	-	26.07	0.06	0.05	9.89						
AV	321k	26.72	49.67	-22.95	10.00	Line	-	16.72	0.06	0.05	9.89						
QP	451.5k	34.41	56.84	-22.43	10.02	Line	-	24.39	0.06	0.06	9.90						
AV	451.5k	23.74	46.84	-23.10	10.02	Line	-	13.72	0.06	0.06	9.90						
QP	17.268M	36.29	60.00	-23.71	10.46	Line	-	25.83	0.28	0.19	9.99						
AV	17.268M	30.22	50.00	-19.78	10.46	Line	-	19.76	0.28	0.19	9.99						

Mode 3



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	177k	51.00	64.62	-13.62	9.98	Neutral	"Worst"	41.02	0.07	0.04	9.87						
AV	177k	36.52	54.62	-18.10	9.98	Neutral	-	26.54	0.07	0.04	9.87						
QP	190.5k	49.61	64.01	-14.40	9.97	Neutral	-	39.64	0.07	0.04	9.86						
AV	190.5k	34.78	54.01	-19.23	9.97	Neutral	-	24.81	0.07	0.04	9.86						
QP	217.5k	44.87	62.92	-18.05	9.97	Neutral	-	34.90	0.07	0.04	9.86						
AV	217.5k	33.59	52.92	-19.33	9.97	Neutral	-	23.62	0.07	0.04	9.86						
QP	244.5k	41.48	61.95	-20.47	9.99	Neutral	-	31.49	0.07	0.05	9.87						
AV	244.5k	27.57	51.95	-24.38	9.99	Neutral	-	17.58	0.07	0.05	9.87						
QP	298.5k	37.55	60.28	-22.73	10.00	Neutral	-	27.55	0.07	0.05	9.88						
AV	298.5k	26.37	50.28	-23.91	10.00	Neutral	-	16.37	0.07	0.05	9.88						
QP	17.3M	36.60	60.00	-23.40	10.47	Neutral	-	26.13	0.29	0.19	9.99						
AV	17.3M	30.62	50.00	-19.38	10.47	Neutral	-	20.15	0.29	0.19	9.99						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	9.075M	15.377M	15M4G1D	7.525M	13.029M
802.11g_Nss1,(6Mbps)_2TX	16.275M	26.124M	26M1D1D	15.7M	16.397M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.8M	26.398M	26M4D1D	18.2M	18.856M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.9M	38.201M	38M2D1D	36.55M	37.662M

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

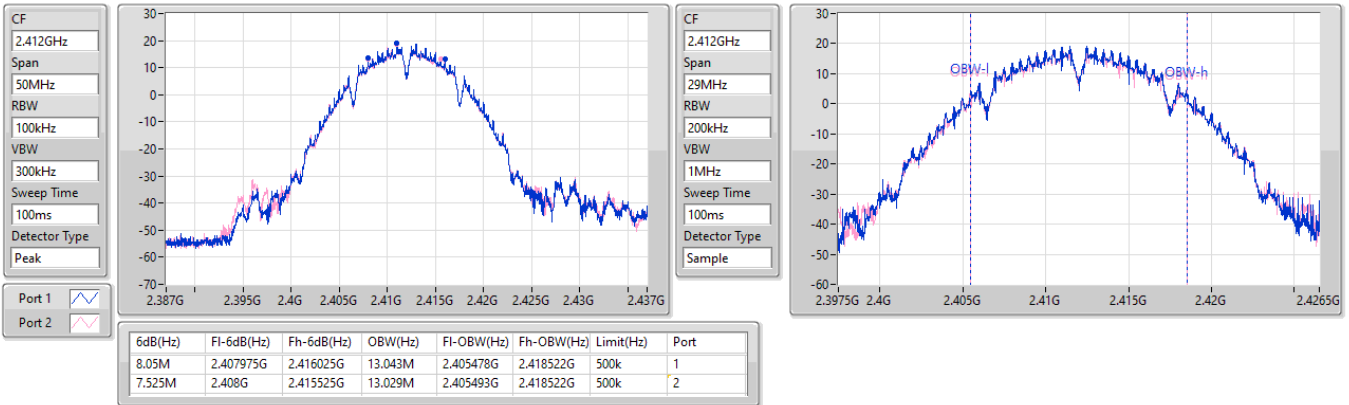
Result

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	8.05M	13.043M	7.525M	13.029M
2437MHz	Pass	500k	9.075M	15.377M	9.025M	14.884M
2462MHz	Pass	500k	8.075M	13.725M	8.55M	14.058M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.9M	16.397M	16.275M	16.439M
2437MHz	Pass	500k	16.275M	26.124M	15.8M	24.765M
2462MHz	Pass	500k	15.9M	16.439M	15.7M	16.439M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.8M	18.905M	18.675M	18.856M
2437MHz	Pass	500k	18.8M	26.398M	18.2M	24.463M
2462MHz	Pass	500k	18.575M	18.856M	18.5M	18.88M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.9M	37.76M	37.8M	37.809M
2437MHz	Pass	500k	37.75M	37.907M	37.5M	38.201M
2452MHz	Pass	500k	37.55M	37.76M	36.55M	37.662M

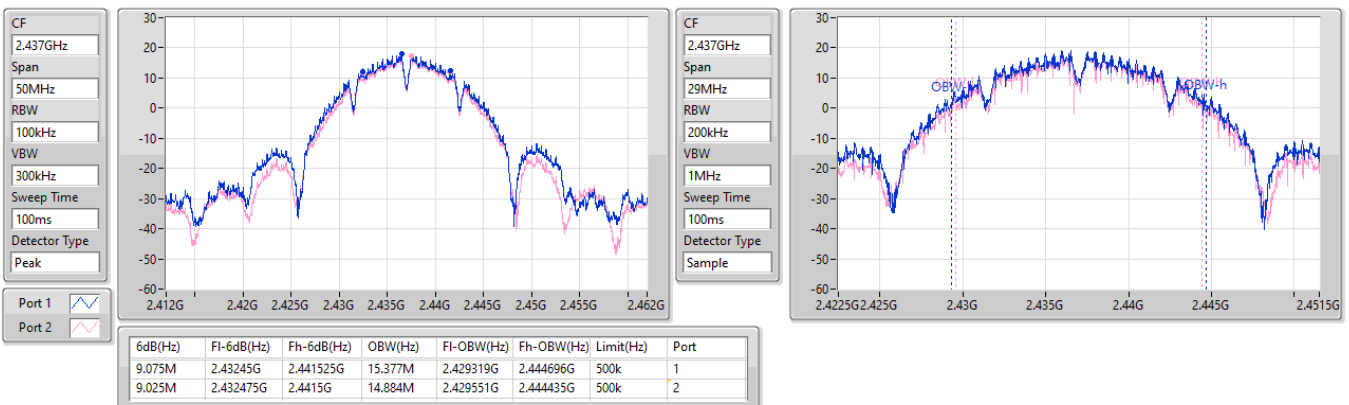
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

02/03/2023

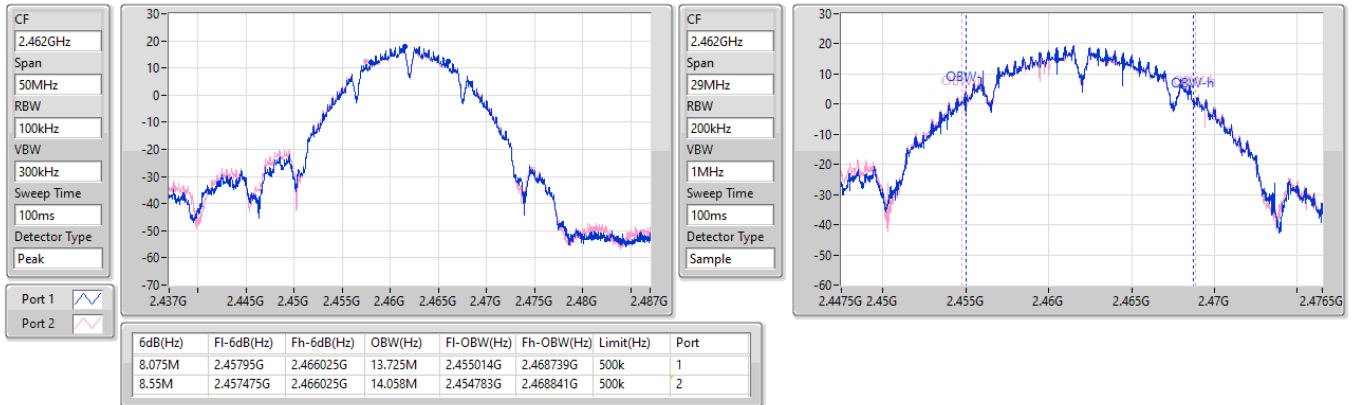

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz

02/03/2023

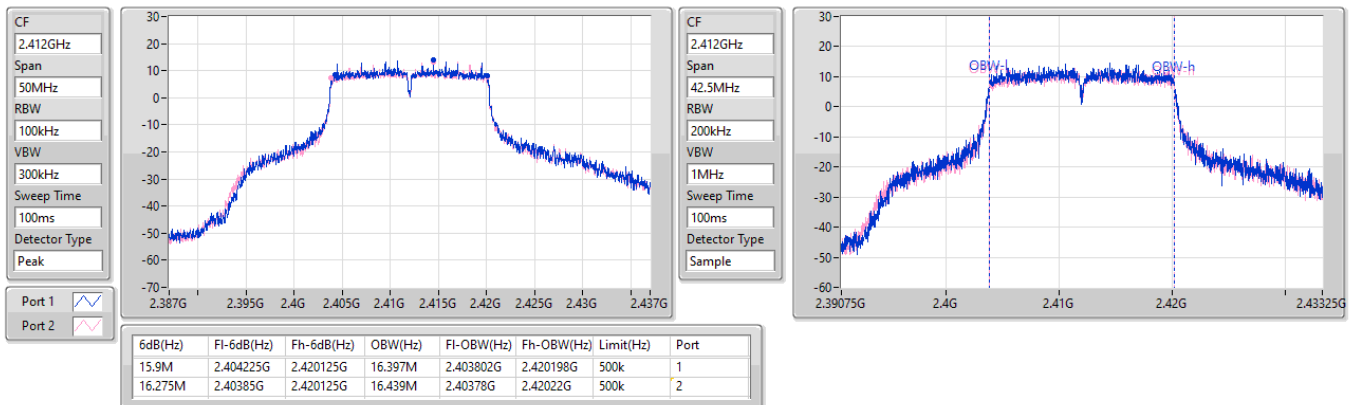


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX
EBW
2462MHz

02/03/2023

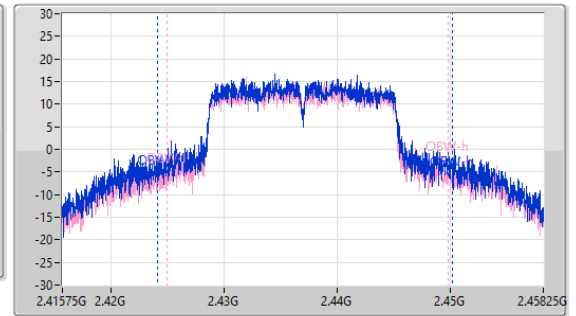
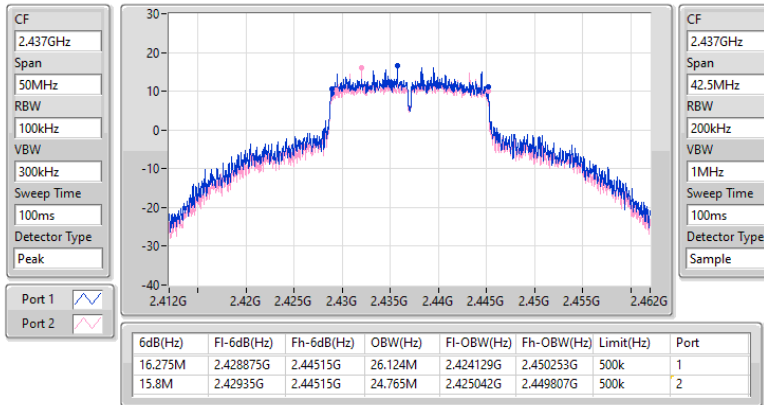

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
EBW
2412MHz

02/03/2023

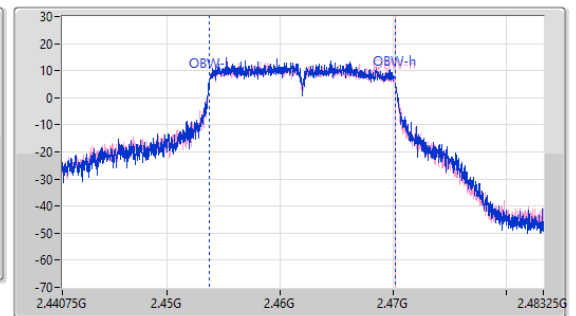
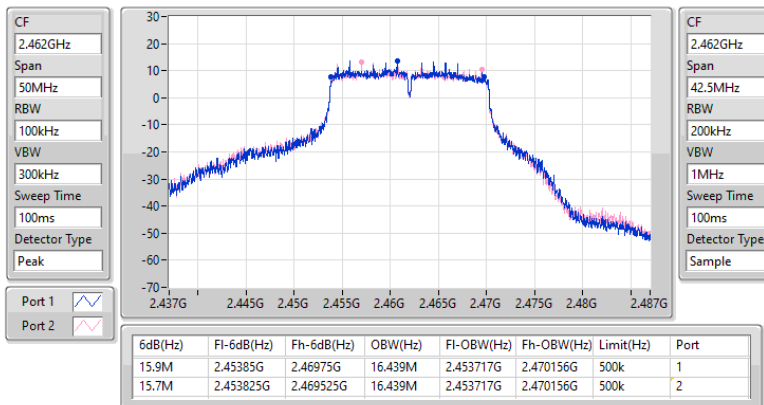


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

02/03/2023

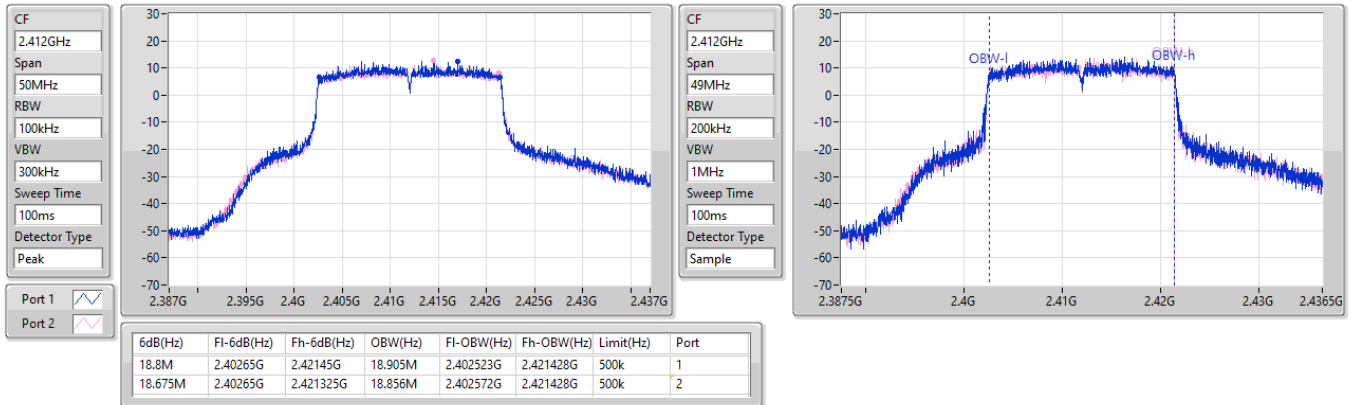

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
EBW
2462MHz

02/03/2023

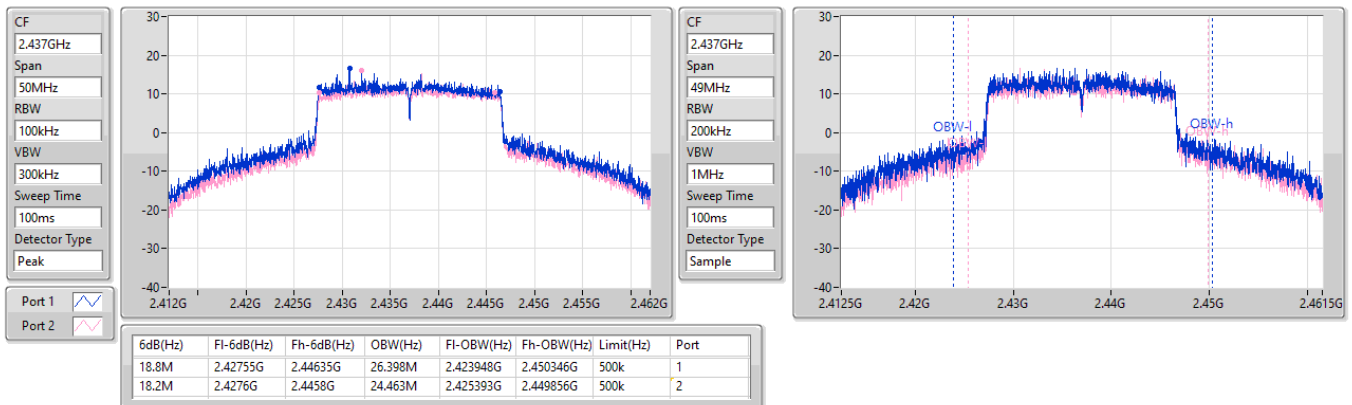


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2412MHz

02/03/2023

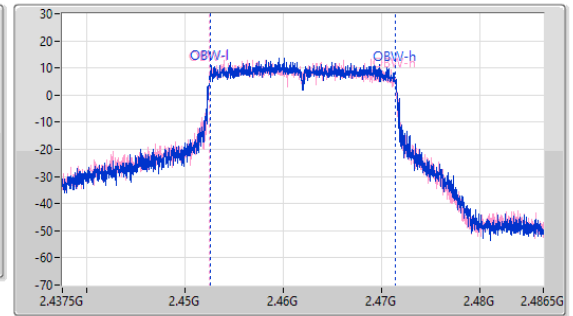
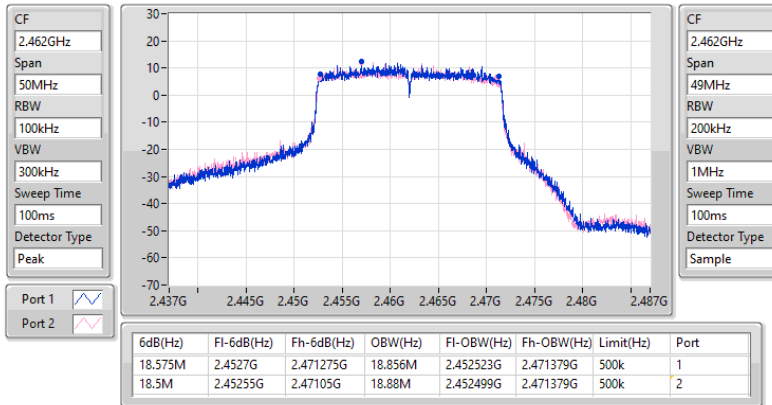

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2437MHz

02/03/2023

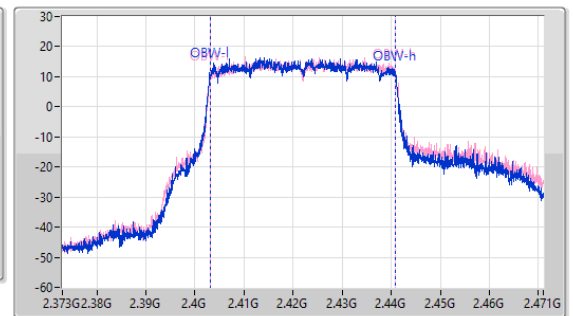
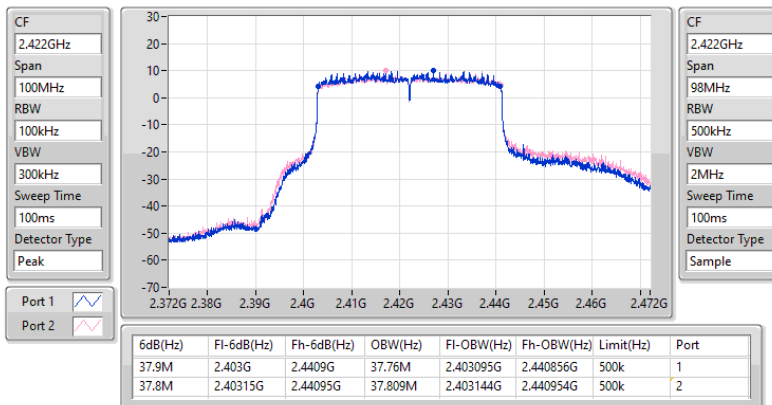


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2462MHz

02/03/2023


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
2422MHz

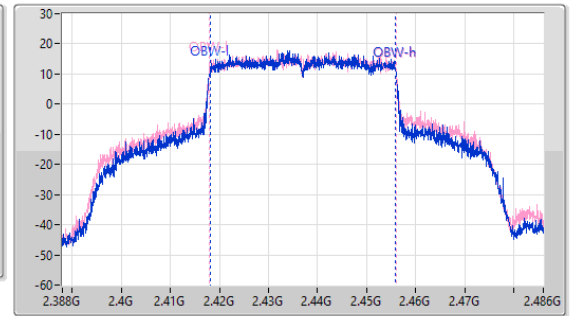
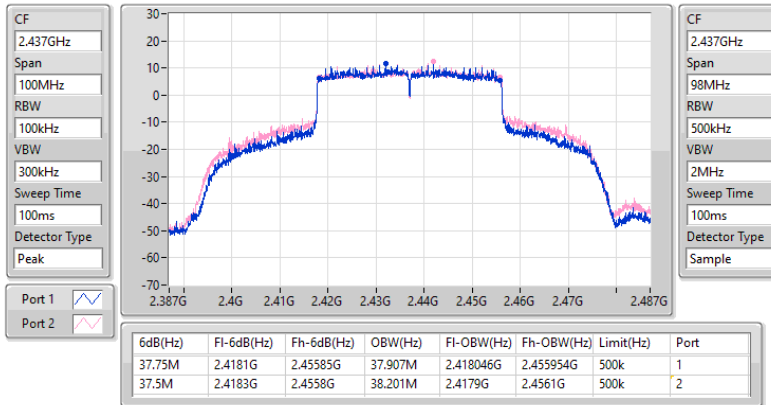
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2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX 2437MHz

EBW

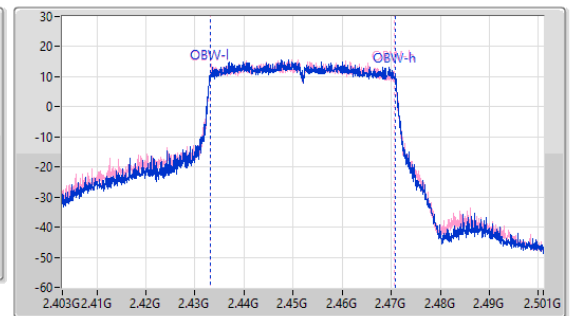
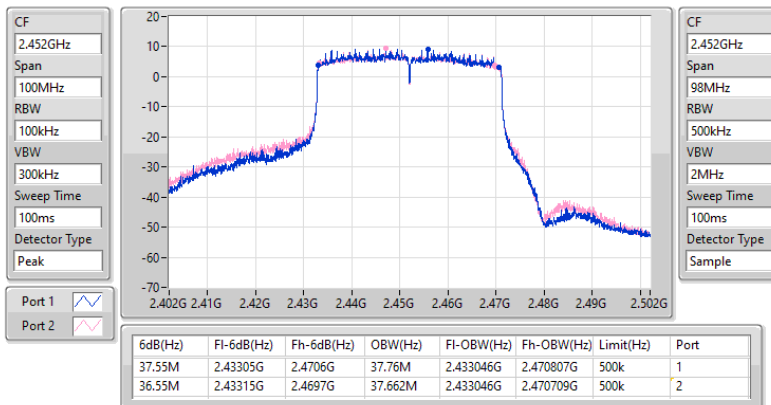
02/03/2023



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX 2452MHz

EBW

02/03/2023





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.98	0.99541
802.11g_Nss1,(6Mbps)_2TX	29.68	0.92897
802.11ax HEW20_Nss1,(MCS0)_2TX	29.79	0.95280
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	29.32	0.85507
802.11ax HEW40_Nss1,(MCS0)_2TX	28.46	0.70146
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	28.46	0.70146

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.14	26.72	26.53	29.64	30.00
2437MHz	Pass	4.14	27.19	26.73	29.98	30.00
2462MHz	Pass	4.14	26.84	26.75	29.81	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.14	24.48	24.16	27.33	30.00
2417MHz	Pass	4.14	26.25	25.92	29.10	30.00
2437MHz	Pass	4.14	27.04	26.27	29.68	30.00
2457MHz	Pass	4.14	26.45	25.52	29.02	30.00
2462MHz	Pass	4.14	24.14	23.85	27.01	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.14	24.12	23.81	26.98	30.00
2417MHz	Pass	4.14	26.42	26.03	29.24	30.00
2437MHz	Pass	4.14	27.18	26.34	29.79	30.00
2457MHz	Pass	4.14	26.49	25.62	29.09	30.00
2462MHz	Pass	4.14	23.33	23.19	26.27	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.14	23.75	23.63	26.70	30.00
2437MHz	Pass	4.14	25.32	25.57	28.46	30.00
2452MHz	Pass	4.14	22.74	22.81	25.79	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.43	24.12	23.81	26.98	29.57
2417MHz	Pass	6.43	26.42	26.03	29.24	29.57
2437MHz	Pass	6.43	26.73	25.84	29.32	29.57
2457MHz	Pass	6.43	26.49	25.62	29.09	29.57
2462MHz	Pass	6.43	23.33	23.19	26.27	29.57
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.43	23.75	23.63	26.70	29.57
2437MHz	Pass	6.43	25.32	25.57	28.46	29.57
2452MHz	Pass	6.43	22.74	22.81	25.79	29.57

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	6.20
802.11g_Nss1,(6Mbps)_2TX	1.20
802.11ax HEW20_Nss1,(MCS0)_2TX	1.90
802.11ax HEW40_Nss1,(MCS0)_2TX	-2.14

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.43	2.57	3.64	5.94	7.57
2437MHz	Pass	6.43	3.65	2.72	6.20	7.57
2462MHz	Pass	6.43	3.34	2.91	6.14	7.57
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.43	-2.79	-2.89	0.15	7.57
2437MHz	Pass	6.43	-1.01	-1.74	1.20	7.57
2462MHz	Pass	6.43	-2.51	-2.76	-0.91	7.57
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.43	-1.98	-2.46	-0.72	7.57
2437MHz	Pass	6.43	0.76	0.18	1.90	7.57
2462MHz	Pass	6.43	-2.50	-3.85	-0.94	7.57
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.43	-4.79	-5.71	-3.55	7.57
2437MHz	Pass	6.43	-3.71	-3.82	-2.14	7.57
2452MHz	Pass	6.43	-5.14	-5.90	-3.98	7.57

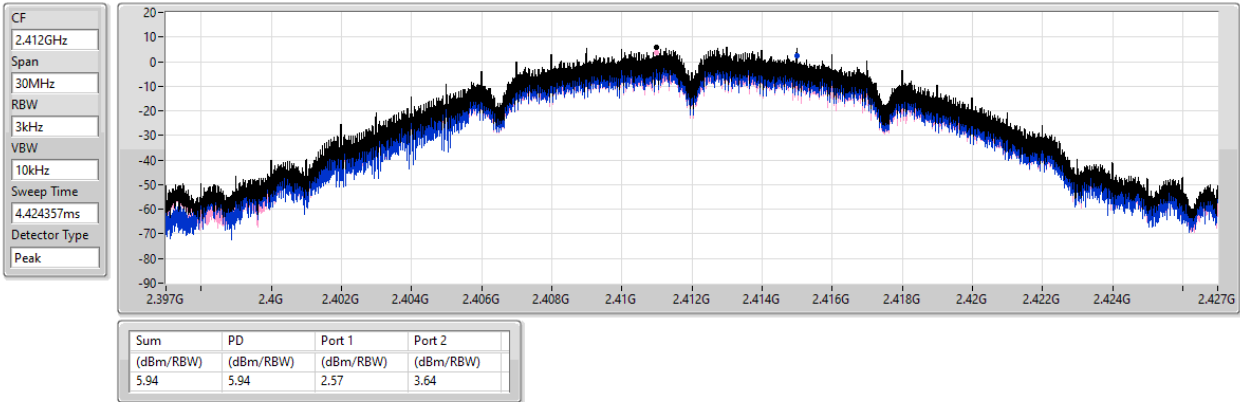
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

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

2412MHz

PSD

02/03/2023

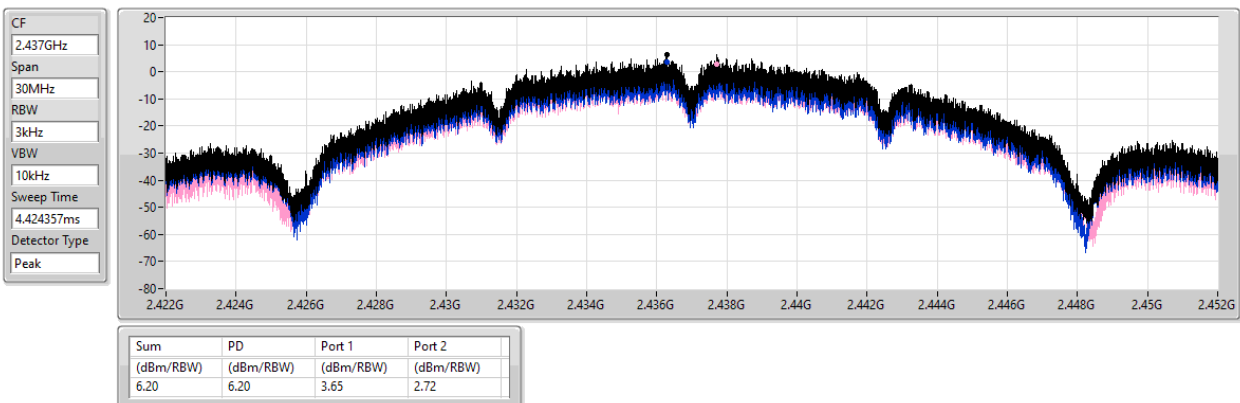


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz

PSD

02/03/2023

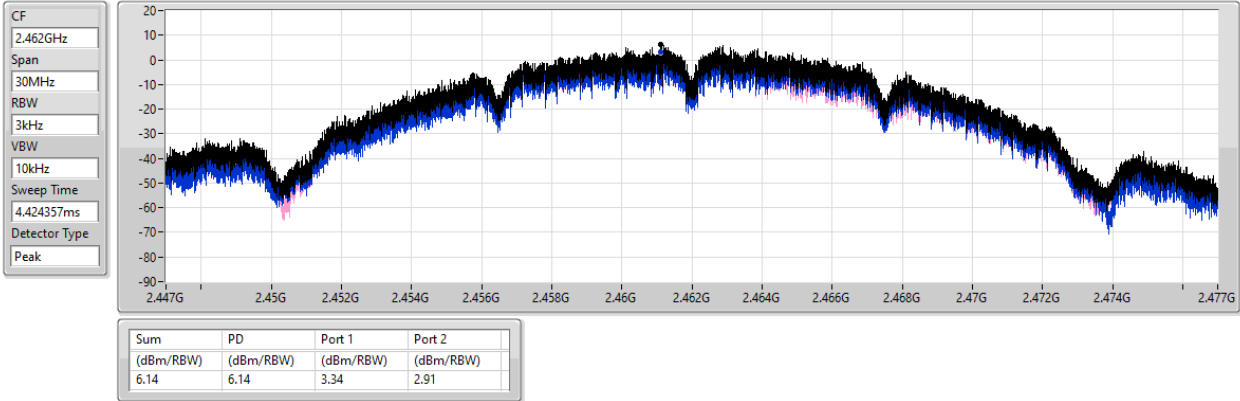


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz

PSD

02/03/2023

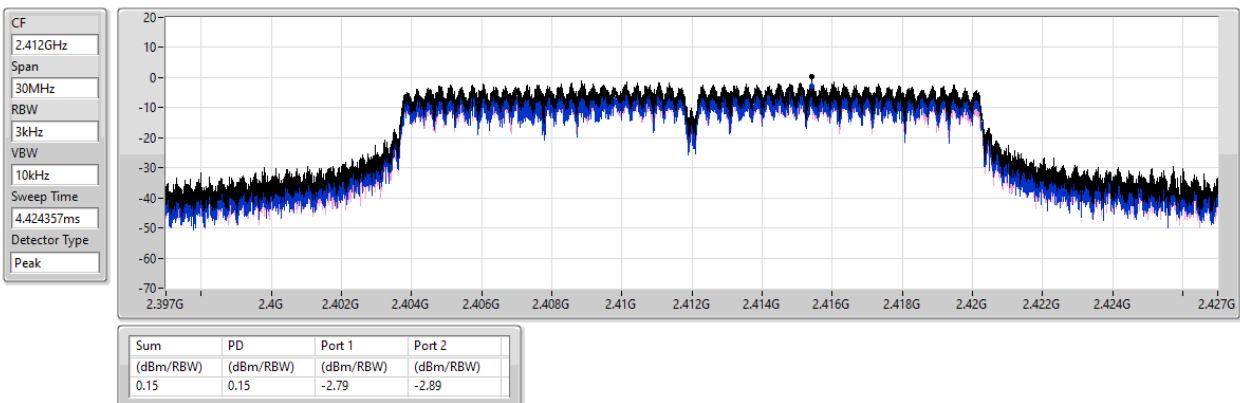


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz

PSD

02/03/2023

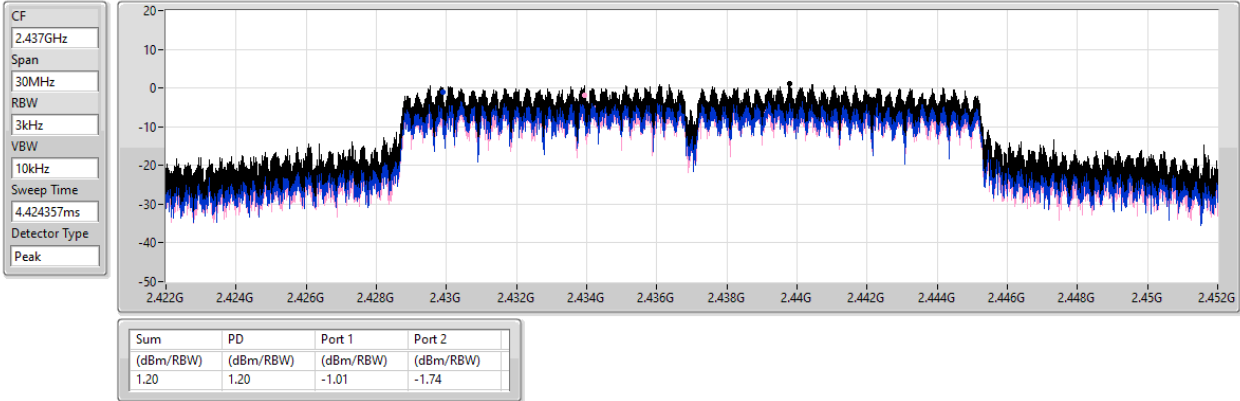


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz

PSD

02/03/2023

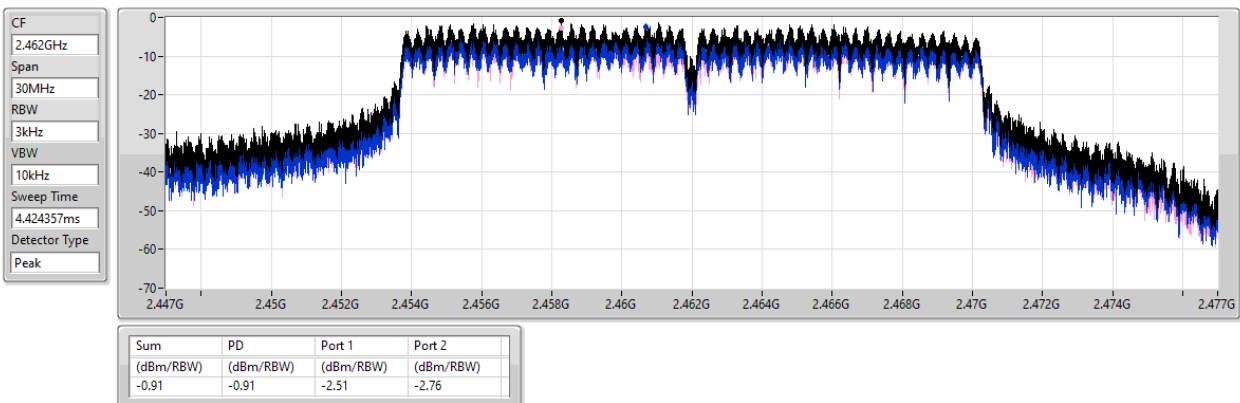


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz

PSD

02/03/2023

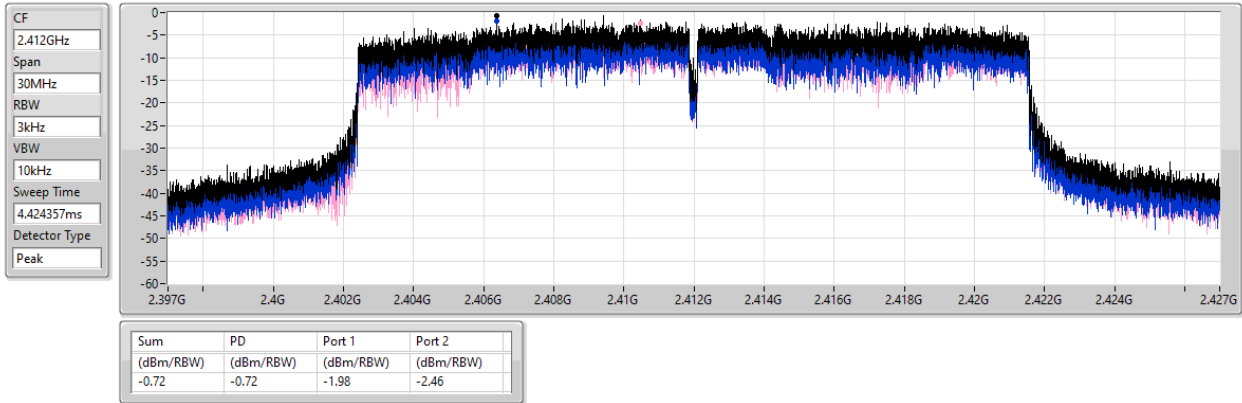


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz

PSD

02/03/2023

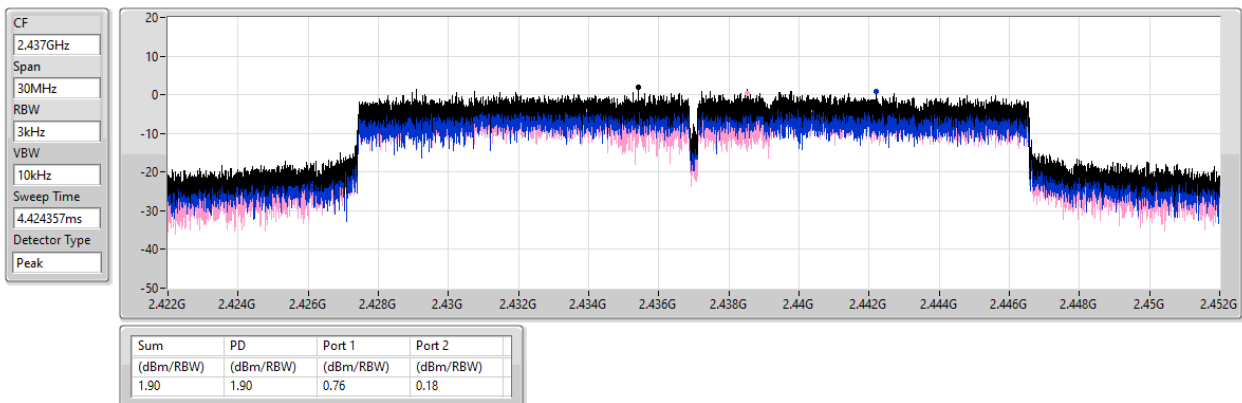


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz

PSD

02/03/2023

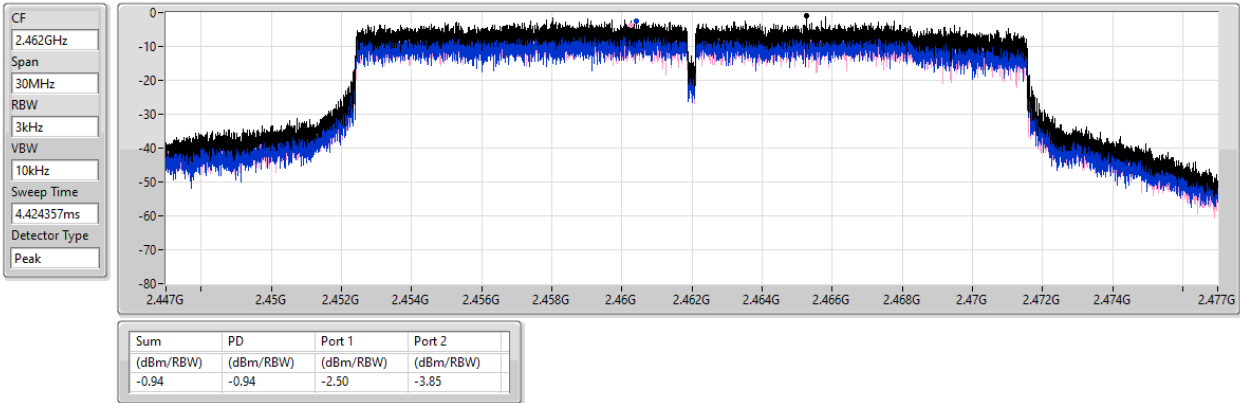


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

PSD

02/03/2023

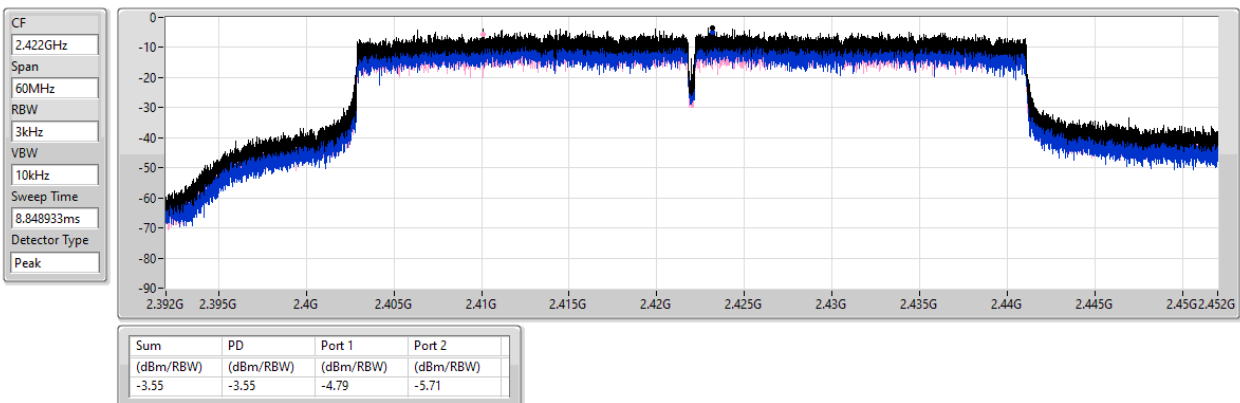


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz

PSD

02/03/2023

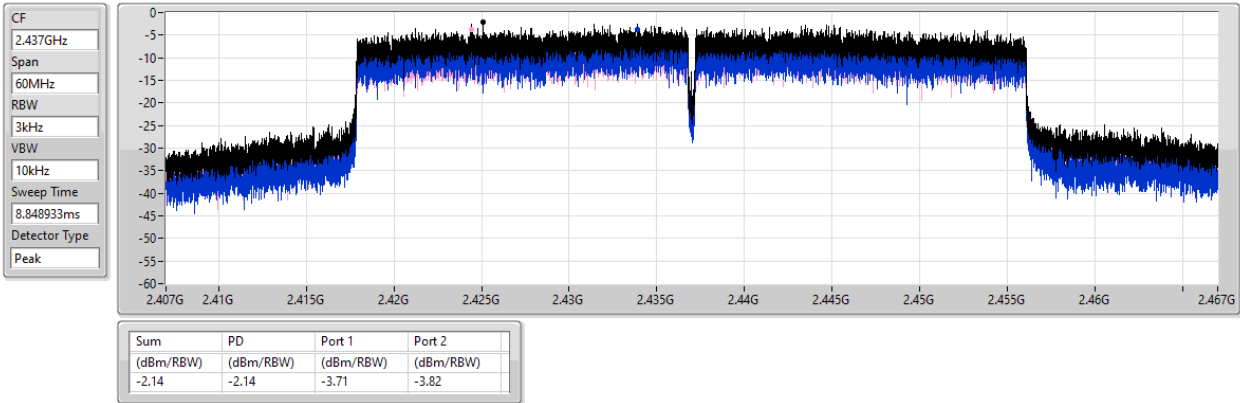


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz

PSD

02/03/2023

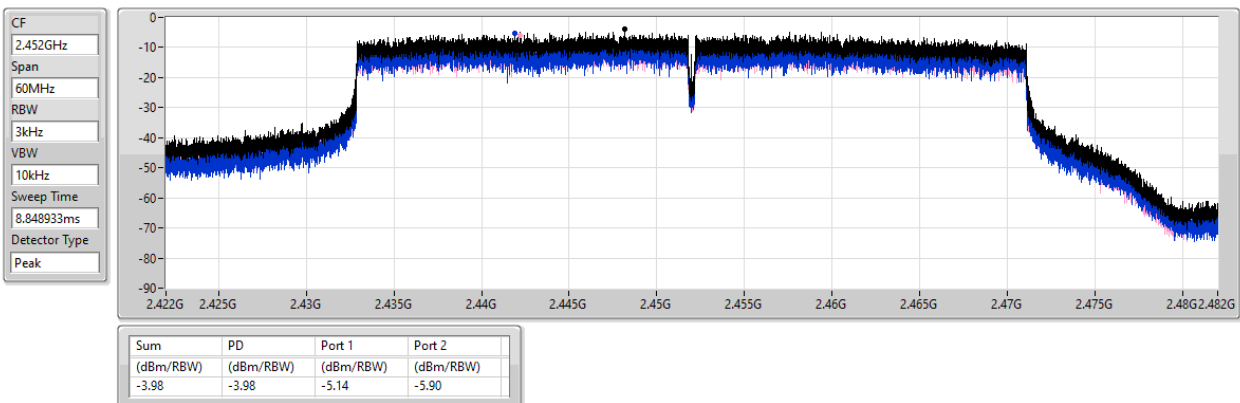


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz

PSD

02/03/2023





Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43641G	18.01	-11.99	2.18875G	-52.67	2.4G	-30.77	2.4G	-29.26	2.50206G	-52.24	7.23514G	-28.72	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	16.71	-13.29	816.38M	-53.03	2.3992G	-17.34	2.4G	-16.49	2.52166G	-51.75	7.24076G	-33.48	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43323G	15.52	-14.48	887.44M	-52.71	2.39976G	-17.60	2.4G	-16.50	2.52046G	-51.82	7.23795G	-34.58	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4344G	11.77	-18.23	825.78M	-52.06	2.39888G	-19.70	2.4G	-19.88	2.50318G	-50.38	16.25537G	-47.20	2

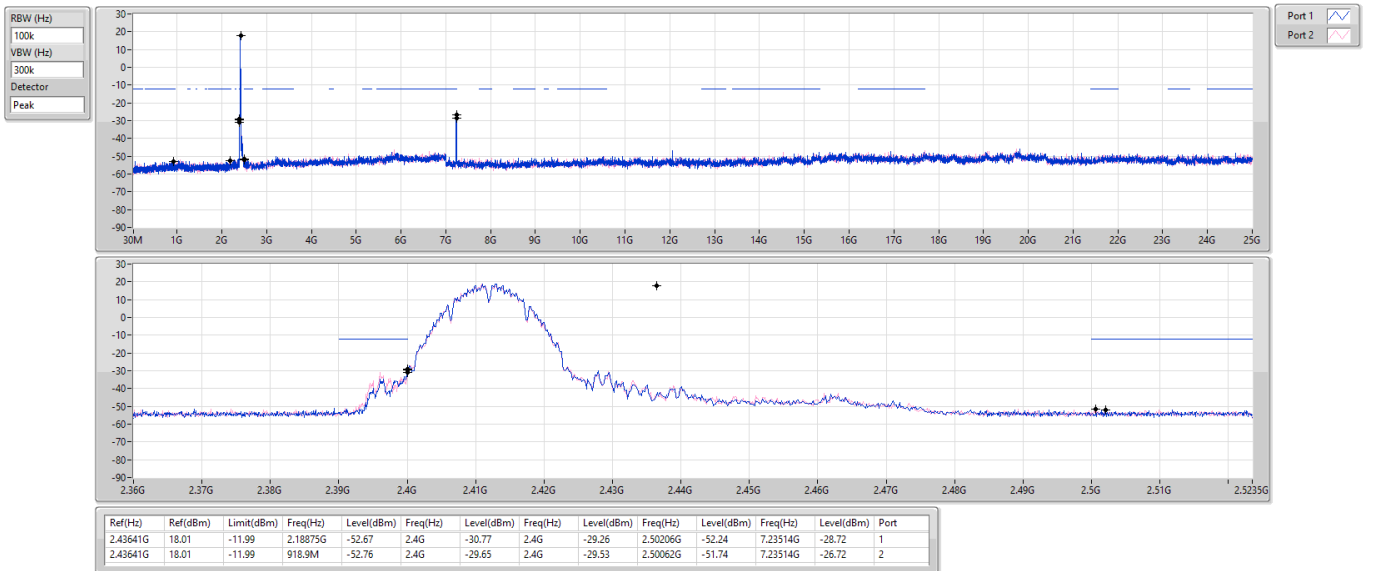
Result

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	2.43641G	18.01	-11.99	2.18875G	-52.67	2.4G	-30.77	2.4G	-29.26	2.50206G	-52.24	7.23514G	-28.72	1
2412MHz	Pass	2.43641G	18.01	-11.99	918.9M	-52.76	2.4G	-29.65	2.4G	-29.53	2.50062G	-51.74	7.23514G	-26.72	2
2437MHz	Pass	2.43641G	18.01	-11.99	2.30991G	-52.89	2.39752G	-40.28	2.4G	-49.20	2.51206G	-51.97	6.12817G	-47.39	1
2437MHz	Pass	2.43641G	18.01	-11.99	888.61M	-52.58	2.39928G	-43.61	2.4G	-48.74	2.50206G	-51.25	17.67266G	-46.79	2
2462MHz	Pass	2.43641G	18.01	-11.99	1.94293G	-52.85	2.39912G	-47.67	2.4G	-49.49	2.51286G	-51.67	16.37745G	-47.96	1
2462MHz	Pass	2.43641G	18.01	-11.99	1.79498G	-52.67	2.4G	-48.46	2.4G	-47.90	2.50766G	-51.69	16.20045G	-47.12	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	16.71	-13.29	816.38M	-53.03	2.3992G	-17.34	2.4G	-16.49	2.52166G	-51.75	7.24076G	-33.48	1
2412MHz	Pass	2.43574G	16.71	-13.29	2.30175G	-52.54	2.3992G	-17.75	2.4G	-16.69	2.51118G	-49.31	7.24637G	-33.63	2
2437MHz	Pass	2.43574G	16.71	-13.29	1.781G	-52.91	2.39952G	-30.51	2.4G	-32.06	2.5191G	-51.51	6.98228G	-47.21	1
2437MHz	Pass	2.43574G	16.71	-13.29	1.65984G	-52.86	2.39704G	-31.91	2.4G	-32.86	2.50094G	-51.85	17.68671G	-45.86	2
2462MHz	Pass	2.43574G	16.71	-13.29	853.66M	-51.97	2.39976G	-48.75	2.4G	-49.71	2.52294G	-51.49	5.98488G	-47.31	1
2462MHz	Pass	2.43574G	16.71	-13.29	1.80896G	-52.63	2.39832G	-49.65	2.4G	-50.09	2.50886G	-50.36	6.96823G	-47.10	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43323G	15.52	-14.48	924.72M	-52.71	2.3996G	-18.91	2.4G	-18.71	2.52078G	-51.38	7.24357G	-32.94	1
2412MHz	Pass	2.43323G	15.52	-14.48	887.44M	-52.71	2.39976G	-17.60	2.4G	-16.50	2.52046G	-51.82	7.23795G	-34.58	2
2437MHz	Pass	2.43323G	15.52	-14.48	948.02M	-53.15	2.39944G	-28.37	2.4G	-30.51	2.5007G	-51.30	17.0967G	-47.26	1
2437MHz	Pass	2.43323G	15.52	-14.48	773.27M	-52.05	2.39904G	-31.51	2.4G	-32.77	2.51406G	-50.87	5.8135G	-46.96	2
2462MHz	Pass	2.43323G	15.52	-14.48	2.30641G	-52.66	2.39896G	-49.31	2.4G	-50.83	2.51846G	-51.90	15.21148G	-47.46	1
2462MHz	Pass	2.43323G	15.52	-14.48	472.7M	-52.63	2.39696G	-49.37	2.4G	-51.02	2.50886G	-51.45	17.67547G	-47.29	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	11.77	-18.23	1.79101G	-52.58	2.39968G	-25.01	2.4G	-25.31	2.50318G	-51.61	7.24992G	-39.52	1
2422MHz	Pass	2.4344G	11.77	-18.23	2.12192G	-52.99	2.4G	-22.73	2.4G	-22.93	2.50638G	-51.53	7.24992G	-37.59	2
2437MHz	Pass	2.4344G	11.77	-18.23	1.64331G	-52.79	2.39984G	-21.11	2.4G	-22.35	2.50462G	-51.59	16.33951G	-46.49	1
2437MHz	Pass	2.4344G	11.77	-18.23	825.78M	-52.06	2.39888G	-19.70	2.4G	-19.88	2.50318G	-50.38	16.25537G	-47.20	2
2452MHz	Pass	2.4344G	11.77	-18.23	2.1139G	-53.13	2.39968G	-38.99	2.4G	-38.31	2.50094G	-50.97	17.66887G	-47.69	1
2452MHz	Pass	2.4344G	11.77	-18.23	2.30397G	-53.08	2.4G	-38.36	2.4G	-37.84	2.53246G	-51.60	21.86169G	-47.57	2

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

CSEndB

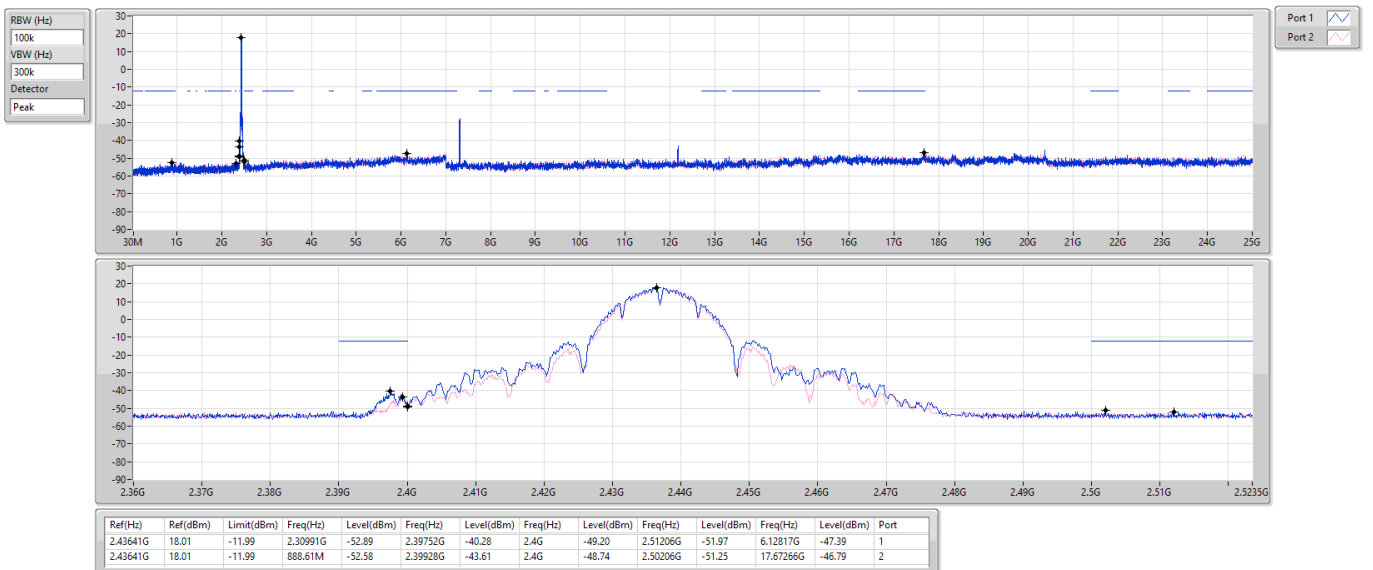
2412MHz



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

CSEndB

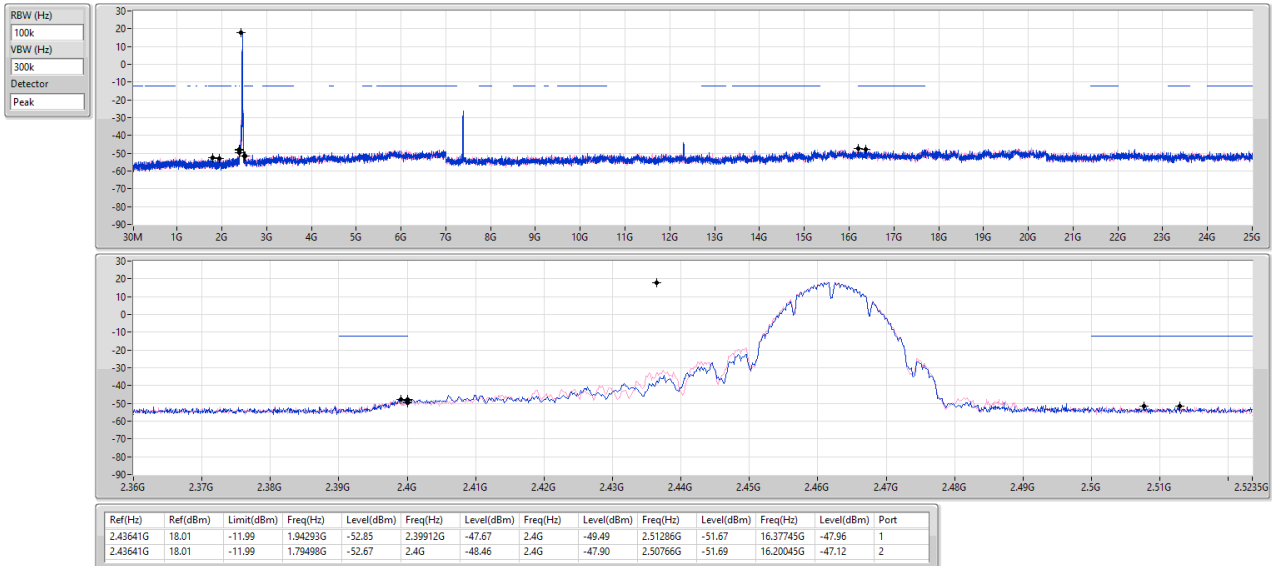
2437MHz



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

CSEndB

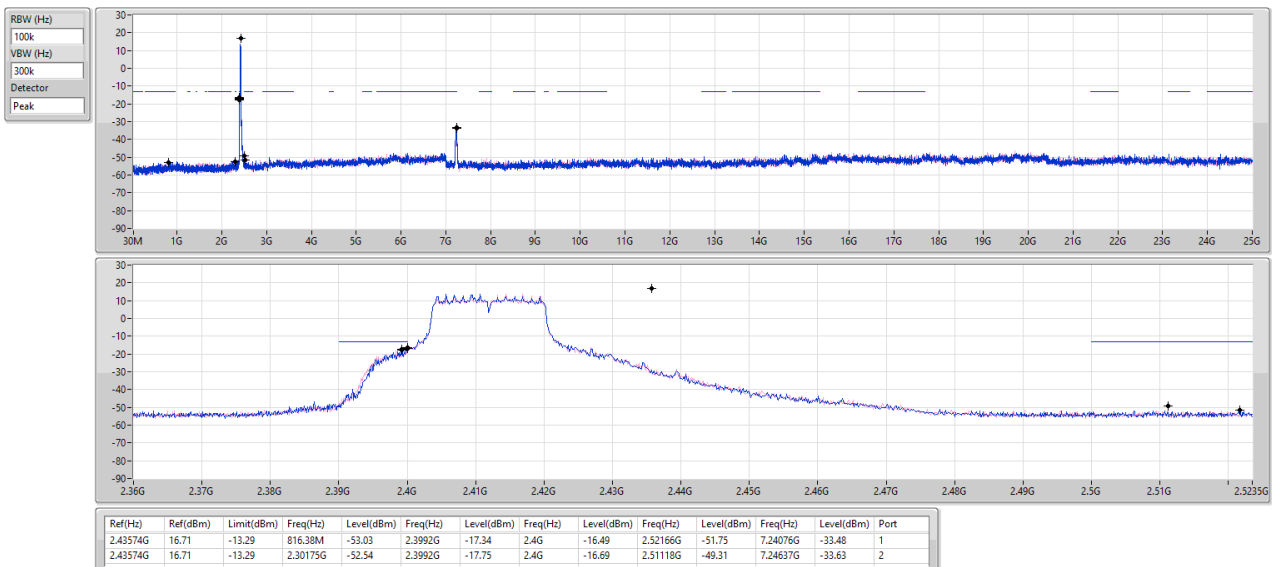
2462MHz



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

CSEndB

2412MHz

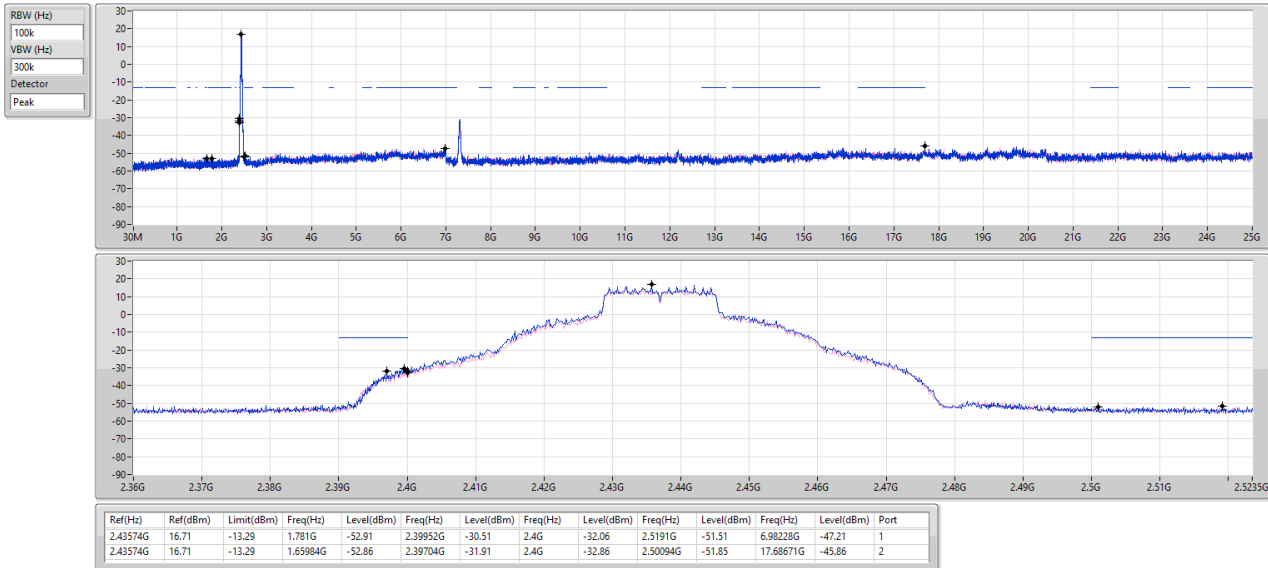


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSEndB

02/03/2023

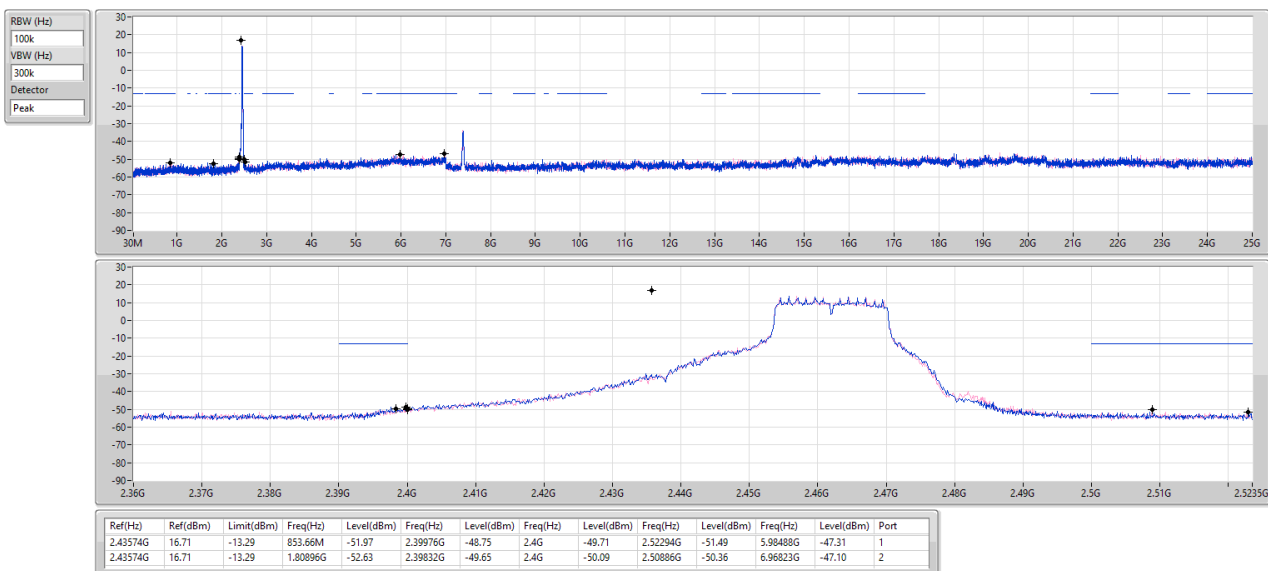


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSEndB

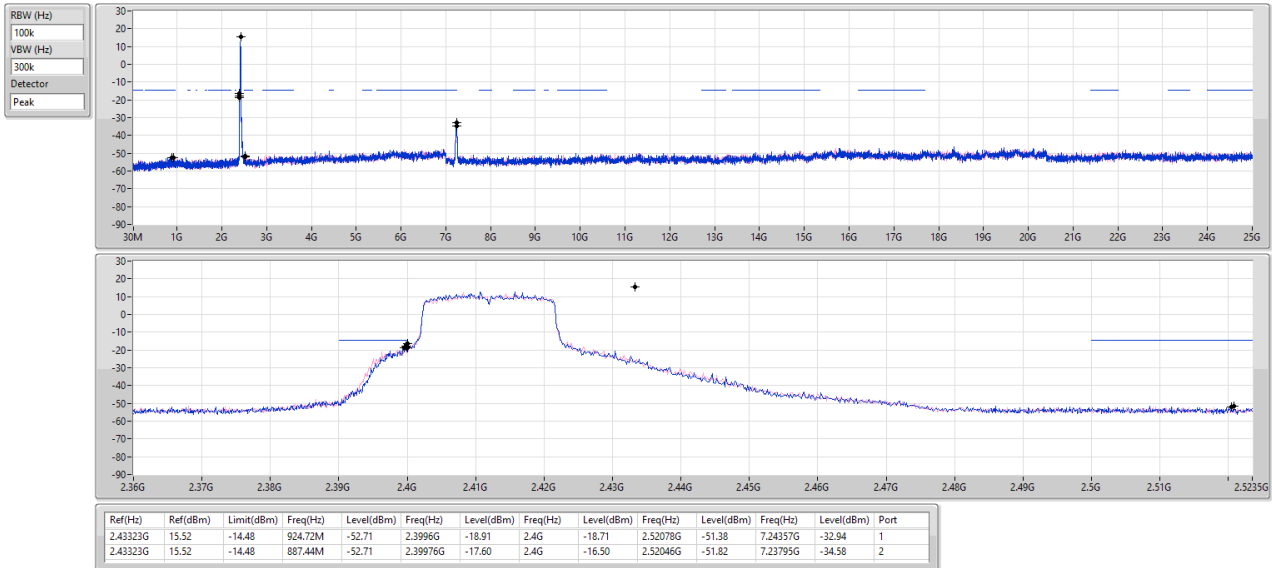
02/03/2023



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

CSEndB

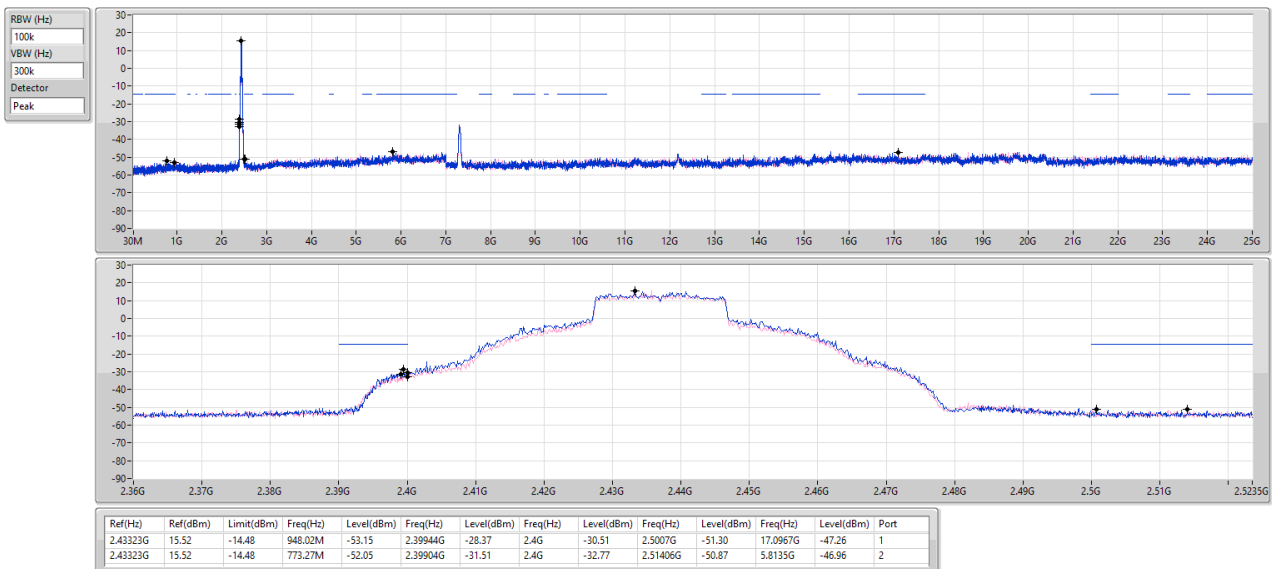
2412MHz



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

CSEndB

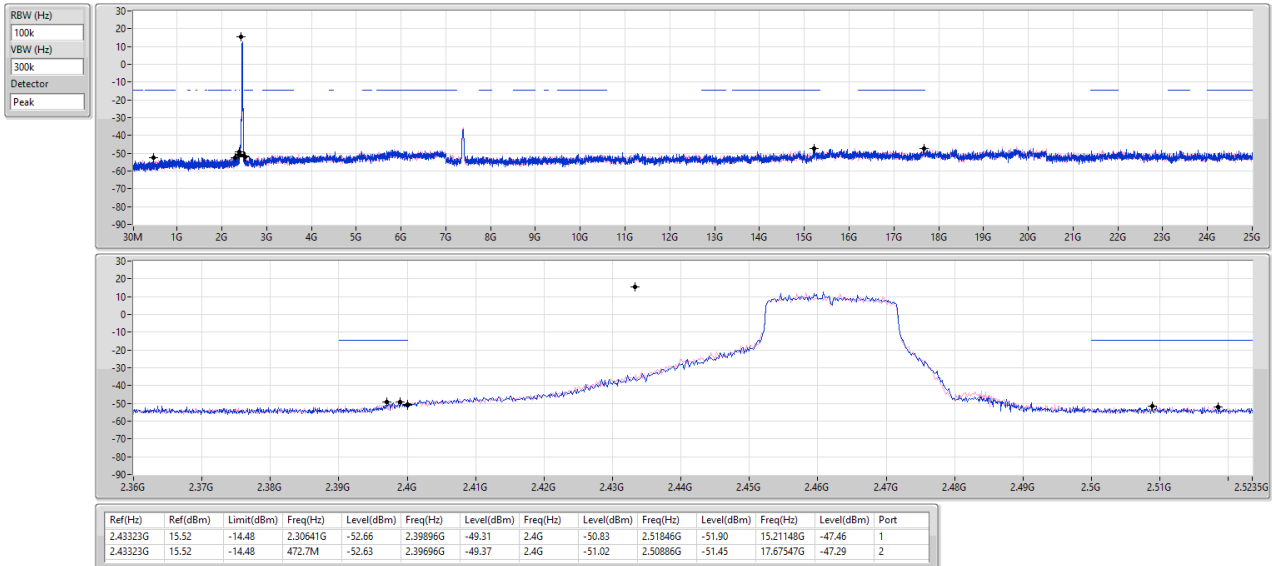
2437MHz



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

CSEndB

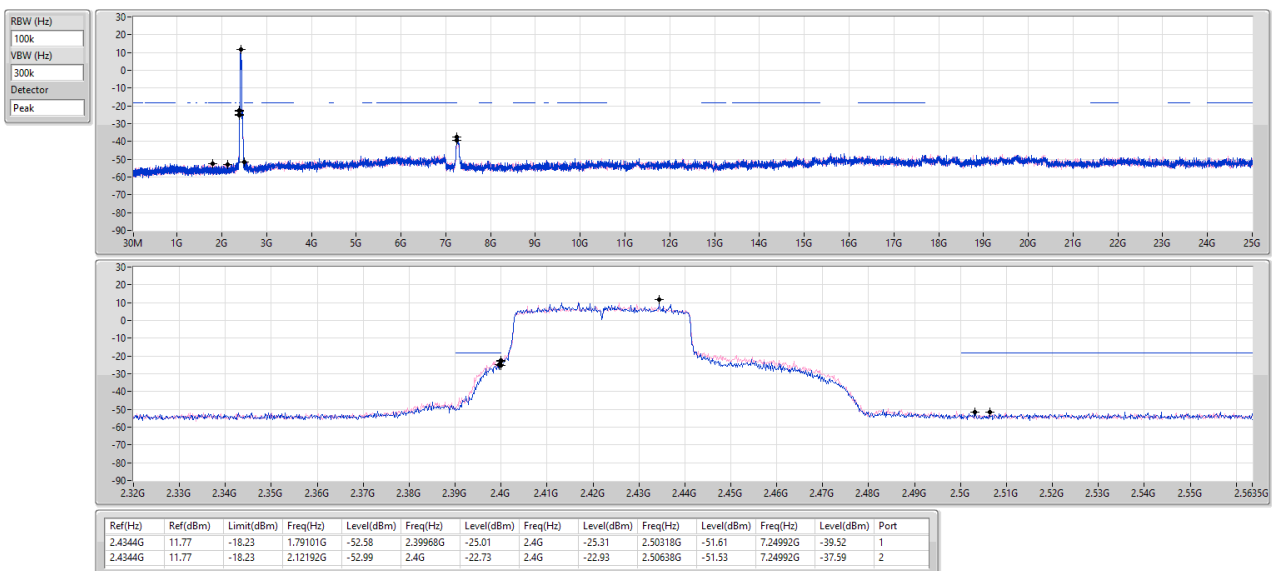
2462MHz



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

CSEndB

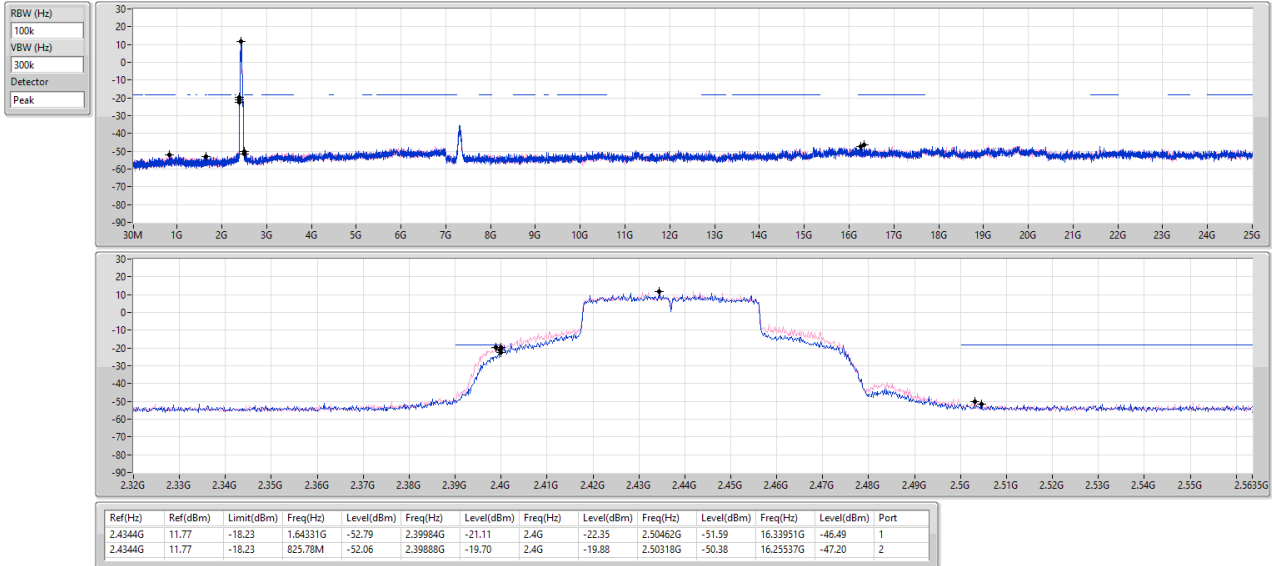
2422MHz



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

CSEndB

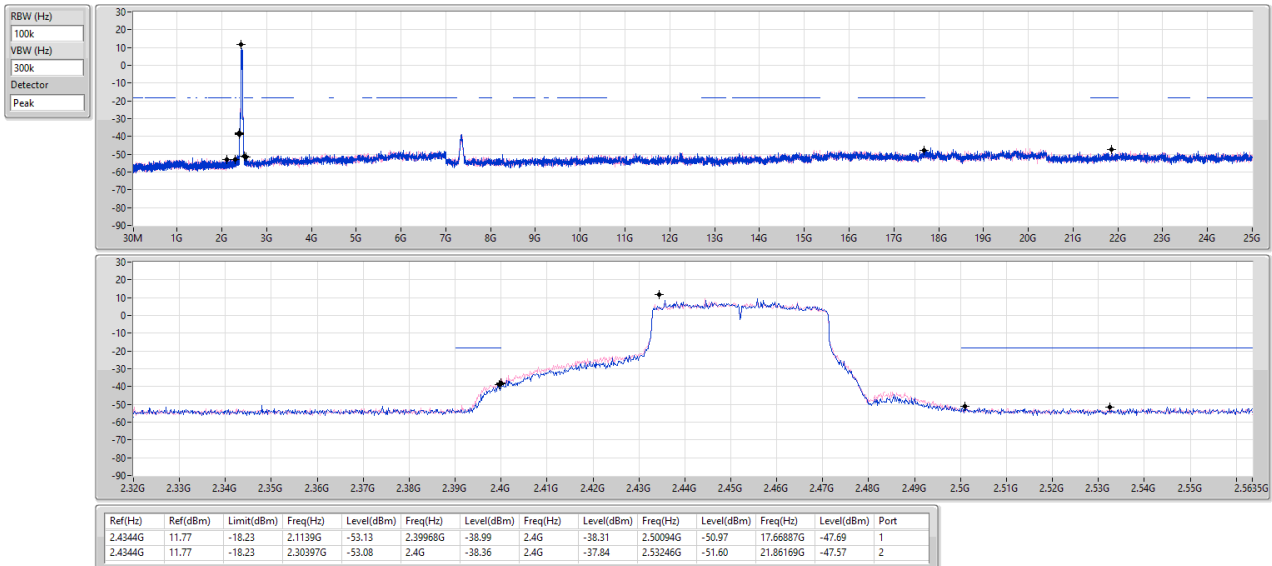
2437MHz



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

CSEndB

2452MHz





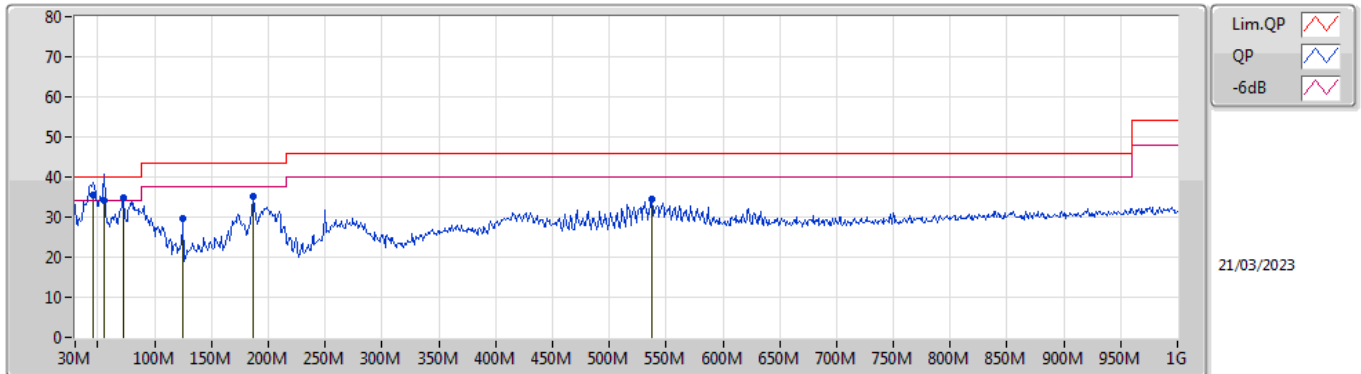
Radiated Emissions below 1GHz

Appendix F.1

Summary

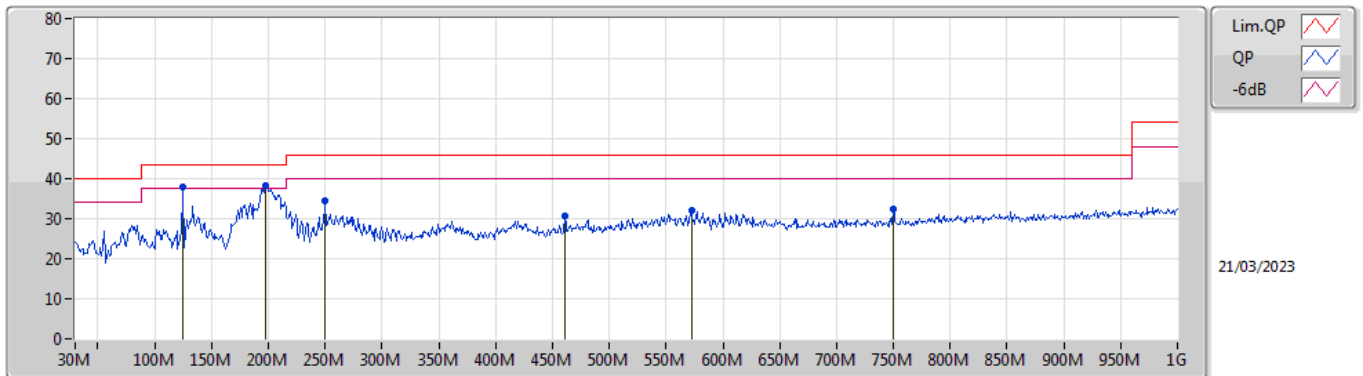
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	QP	45.52M	35.67	40.00	-4.33	Vertical

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	45.52M	35.67	40.00	-4.33	-14.83	3	Vertical	355	1.00	"Worst"	50.50	15.78	1.22	31.83
QP	55.22M	34.21	40.00	-5.79	-17.89	3	Vertical	17	1.25	-	52.10	12.69	1.31	31.89
PK	72.68M	34.84	40.00	-5.16	-18.32	3	Vertical	174	1.25	-	53.16	12.17	1.48	31.97
PK	125.06M	29.51	43.50	-13.99	-12.19	3	Vertical	230	1.00	-	41.70	17.89	1.90	31.98
PK	186.17M	35.33	43.50	-8.17	-14.80	3	Vertical	212	1.00	-	50.13	14.88	2.33	32.01
PK	537.31M	34.62	46.00	-11.38	-4.47	3	Vertical	155	1.00	-	39.09	23.77	4.15	32.39

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	125.06M	37.92	43.50	-5.58	-12.19	3	Horizontal	76	3.00	-	50.11	17.89	1.90	31.98
PK	197.81M	38.16	43.50	-5.34	-14.62	3	Horizontal	268	1.50	"Worst"	52.78	14.99	2.41	32.02
PK	250.19M	34.54	46.00	-11.46	-11.06	3	Horizontal	137	1.00	-	45.60	18.22	2.72	32.00
PK	460.68M	30.69	46.00	-15.31	-5.71	3	Horizontal	240	1.50	-	36.40	22.76	3.82	32.29
PK	572.23M	32.23	46.00	-13.77	-3.86	3	Horizontal	239	1.50	-	36.09	24.28	4.30	32.44
PK	749.74M	32.35	46.00	-13.65	-2.34	3	Horizontal	139	1.25	-	34.69	25.26	5.01	32.61

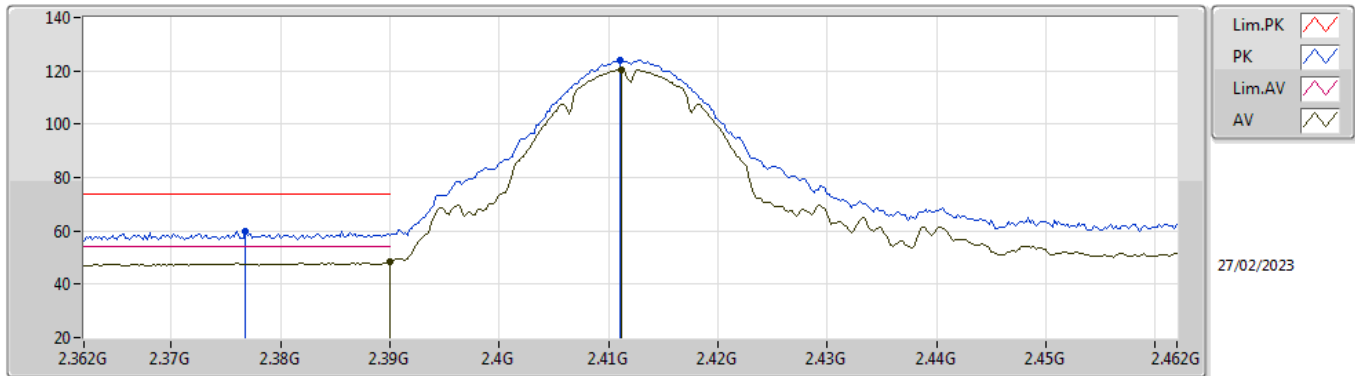


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1.(6Mbps)_2TX	Pass	AV	2.4835G	53.75	54.00	-0.25	3	Vertical	314	1.80	-

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

2412MHz_TX

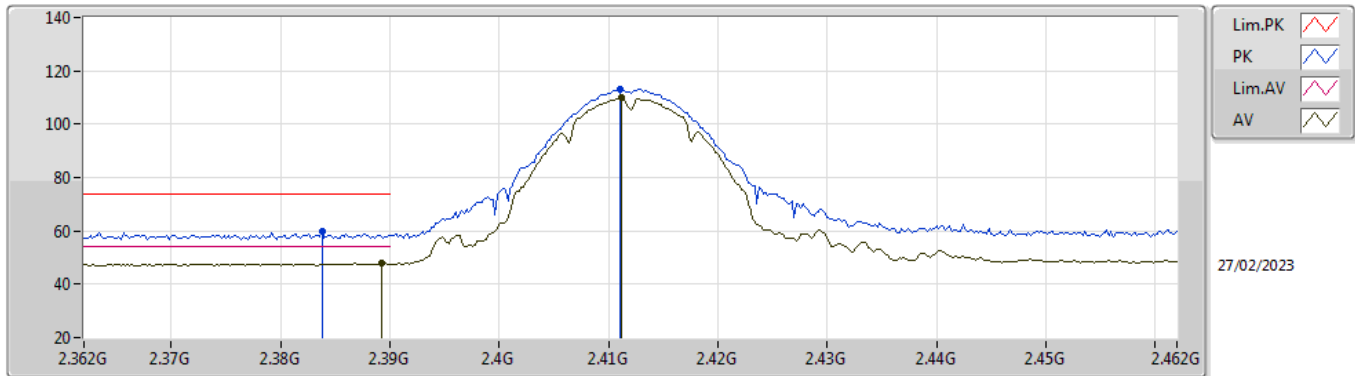


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3768G	59.80	74.00	-14.20	28.47	3	Vertical	16	1.80	-	27.75	3.58	-
AV	2.39G	48.46	54.00	-5.54	17.09	3	Vertical	16	1.80	-	27.78	3.59	-
PK	2.411G	124.03	Inf	-Inf	92.60	3	Vertical	16	1.80	-	27.82	3.61	-
AV	2.4112G	120.57	Inf	-Inf	89.14	3	Vertical	16	1.80	-	27.82	3.61	-

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

2412MHz_TX

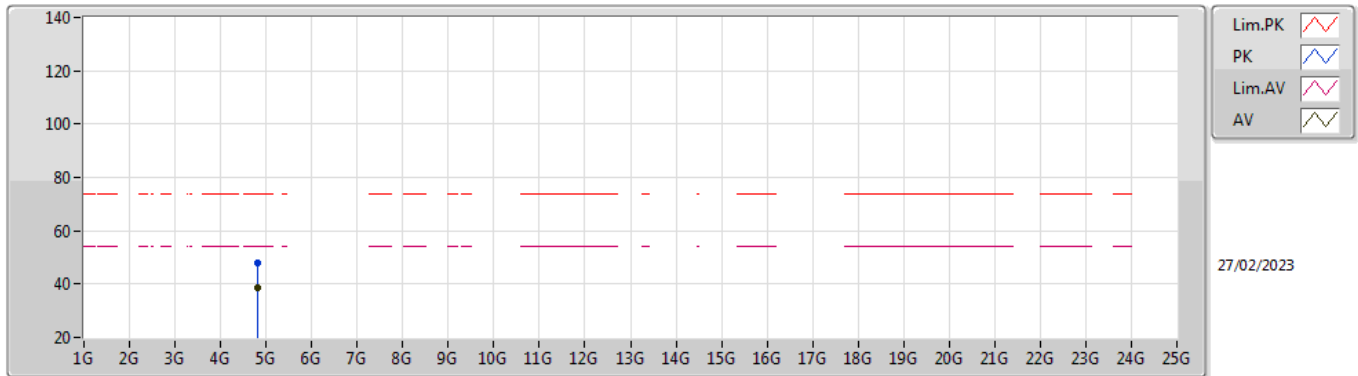


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3838G	59.58	74.00	-14.42	28.23	3	Horizontal	79	1.20	-	27.77	3.58	-
AV	2.3892G	47.99	54.00	-6.01	16.62	3	Horizontal	79	1.20	-	27.78	3.59	-
PK	2.411G	113.19	Inf	-Inf	81.76	3	Horizontal	79	1.20	-	27.82	3.61	-
AV	2.4112G	109.79	Inf	-Inf	78.36	3	Horizontal	79	1.20	-	27.82	3.61	-

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

2412MHz_TX

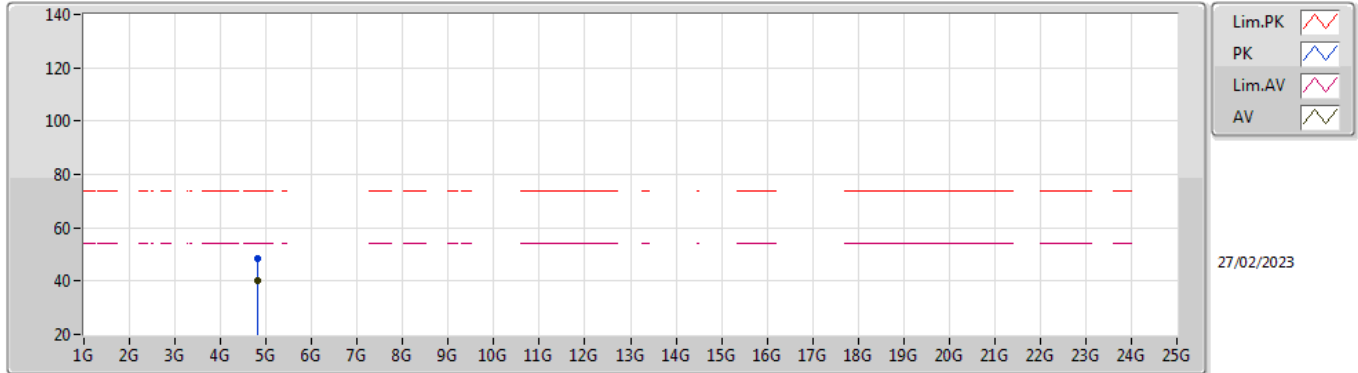


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.824G	47.93	74.00	-26.07	42.26	3	Vertical	104	1.80	-	32.84	5.72	32.89
AV	4.82388G	38.50	54.00	-15.50	32.83	3	Vertical	104	1.80	-	32.84	5.72	32.89

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

2412MHz_TX

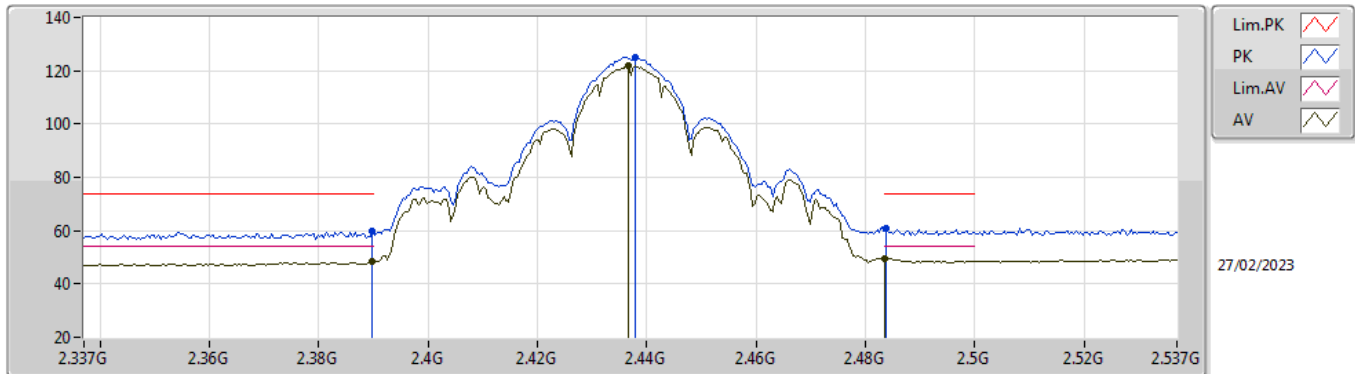


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82388G	48.43	74.00	-25.57	42.76	3	Horizontal	194	1.79	-	32.84	5.72	32.89
AV	4.82406G	40.38	54.00	-13.62	34.71	3	Horizontal	194	1.79	-	32.84	5.72	32.89

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

2437MHz_TX

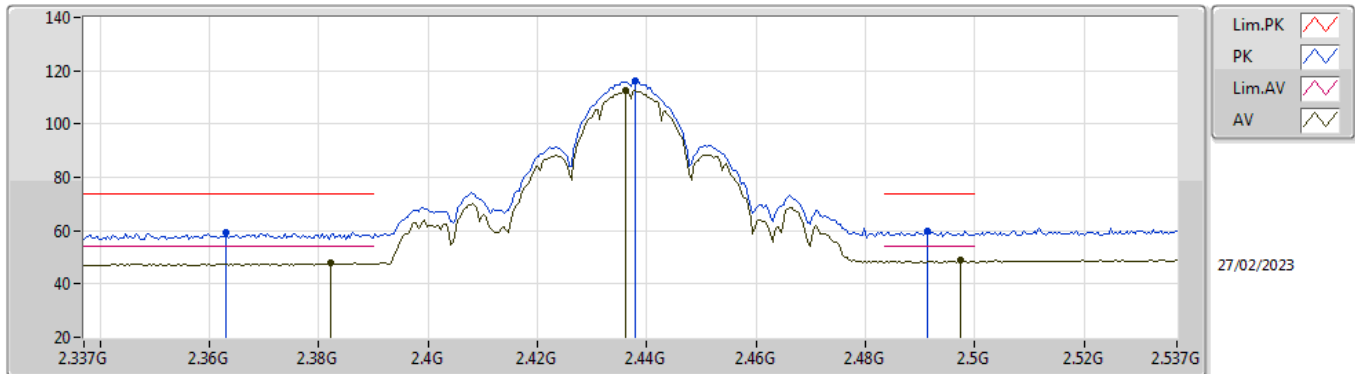


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	59.59	74.00	-14.41	28.22	3	Vertical	327	2.29	-	27.78	3.59	-
AV	2.3898G	48.25	54.00	-5.75	16.88	3	Vertical	327	2.29	-	27.78	3.59	-
PK	2.4378G	125.08	Inf	-Inf	93.58	3	Vertical	327	2.29	-	27.88	3.62	-
AV	2.4366G	121.69	Inf	-Inf	90.20	3	Vertical	327	2.29	-	27.87	3.62	-
PK	2.4838G	60.83	74.00	-13.17	29.09	3	Vertical	327	2.29	-	28.10	3.64	-
AV	2.4835G	49.57	54.00	-4.43	17.83	3	Vertical	327	2.29	-	28.10	3.64	-

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

2437MHz_TX

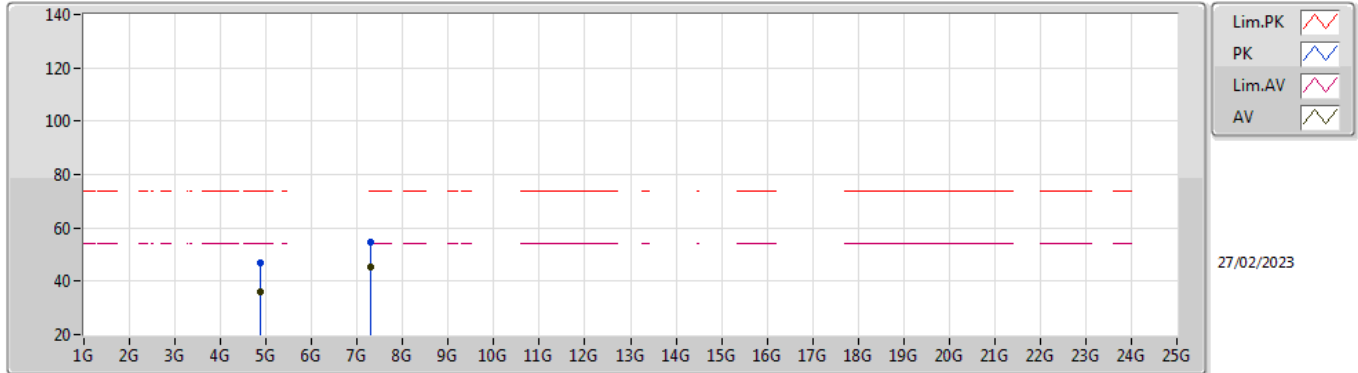


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.363G	59.35	74.00	-14.65	28.06	3	Horizontal	248	1.80	-	27.73	3.56	-
AV	2.3822G	47.85	54.00	-6.15	16.51	3	Horizontal	248	1.80	-	27.76	3.58	-
PK	2.4378G	116.01	Inf	-Inf	84.51	3	Horizontal	248	1.80	-	27.88	3.62	-
AV	2.4362G	112.46	Inf	-Inf	80.97	3	Horizontal	248	1.80	-	27.87	3.62	-
PK	2.4914G	59.81	74.00	-14.19	28.01	3	Horizontal	248	1.80	-	28.15	3.65	-
AV	2.4974G	48.78	54.00	-5.22	16.95	3	Horizontal	248	1.80	-	28.18	3.65	-

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

2437MHz_TX

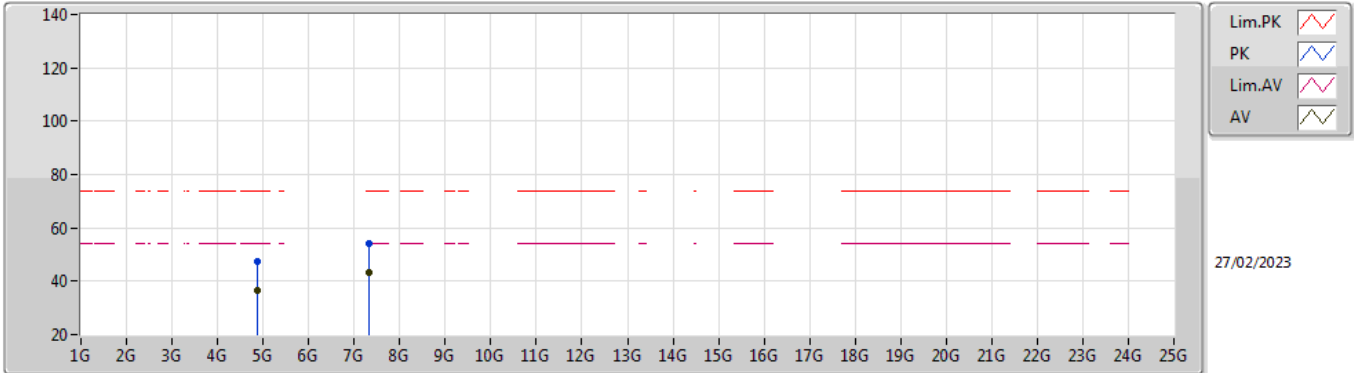


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8626G	46.88	74.00	-27.12	41.00	3	Vertical	316	2.11	-	33.00	5.76	32.88
AV	4.87388G	36.14	54.00	-17.86	30.25	3	Vertical	316	2.11	-	33.00	5.77	32.88
PK	7.30926G	54.74	74.00	-19.26	43.17	3	Vertical	128	2.26	-	37.60	7.15	33.18
AV	7.30928G	45.41	54.00	-8.59	33.84	3	Vertical	128	2.26	-	37.60	7.15	33.18

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

2437MHz_TX

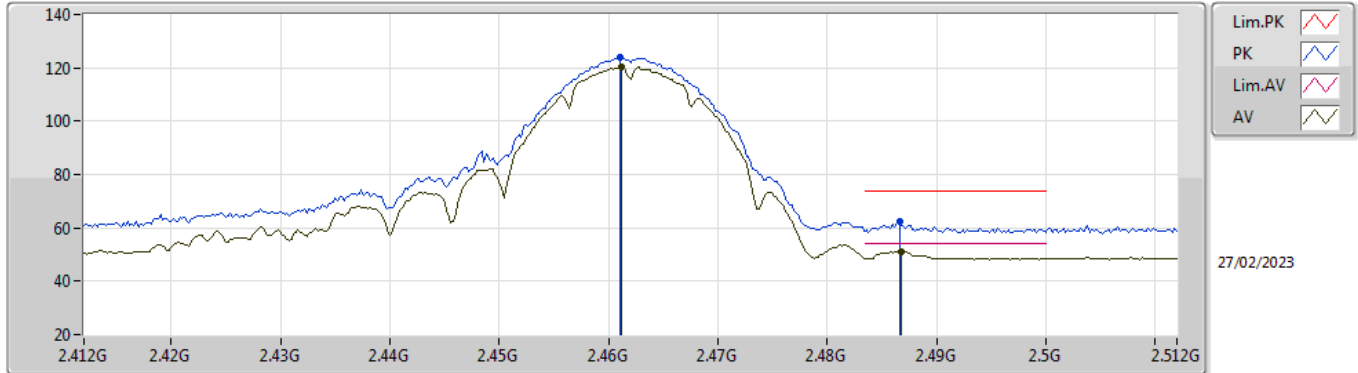


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.88636G	47.29	74.00	-26.71	41.37	3	Horizontal	137	1.80	-	33.00	5.79	32.87
AV	4.87394G	36.41	54.00	-17.59	30.52	3	Horizontal	137	1.80	-	33.00	5.77	32.88
PK	7.31226G	54.01	74.00	-19.99	42.43	3	Horizontal	325	2.18	-	37.60	7.16	33.18
AV	7.31022G	43.13	54.00	-10.87	31.55	3	Horizontal	325	2.18	-	37.60	7.16	33.18

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

2462MHz_TX

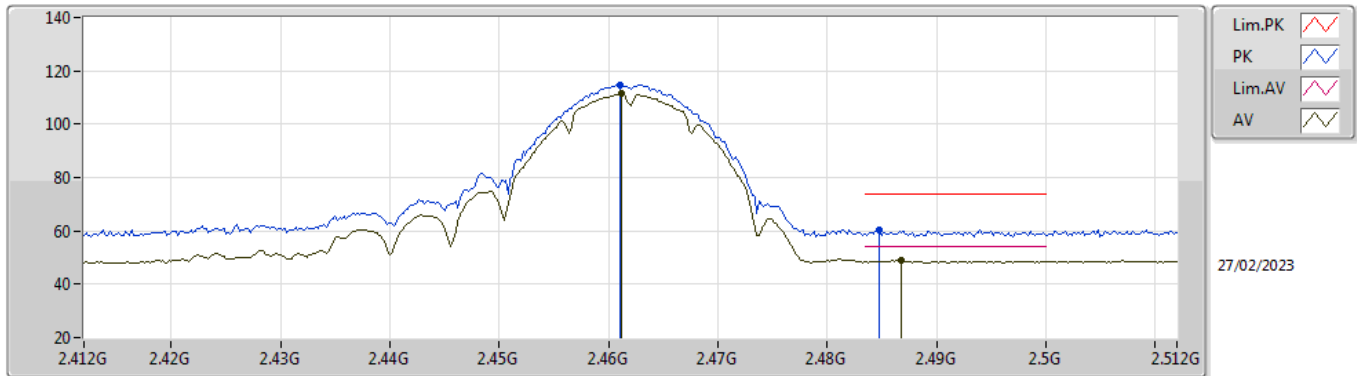


EUT X_2TX
Setting 27
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	123.79	Inf	-Inf	92.19	3	Vertical	307	1.80	-	27.97	3.63	-
AV	2.4612G	120.44	Inf	-Inf	88.84	3	Vertical	307	1.80	-	27.97	3.63	-
PK	2.4866G	62.16	74.00	-11.84	30.40	3	Vertical	307	1.80	-	28.12	3.64	-
AV	2.4868G	51.04	54.00	-2.96	19.28	3	Vertical	307	1.80	-	28.12	3.64	-

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

2462MHz_TX

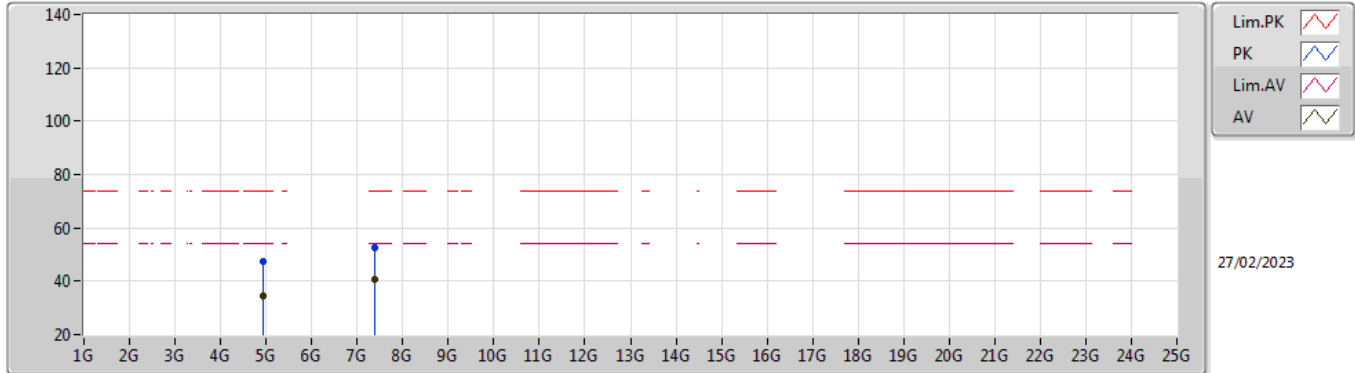


EUT X_2TX
Setting 27
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	114.85	Inf	-Inf	83.25	3	Horizontal	247	1.74	-	27.97	3.63	-
AV	2.4612G	111.45	Inf	-Inf	79.85	3	Horizontal	247	1.74	-	27.97	3.63	-
PK	2.4848G	60.37	74.00	-13.63	28.62	3	Horizontal	247	1.74	-	28.11	3.64	-
AV	2.4868G	48.77	54.00	-5.23	17.01	3	Horizontal	247	1.74	-	28.12	3.64	-

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

2462MHz_TX

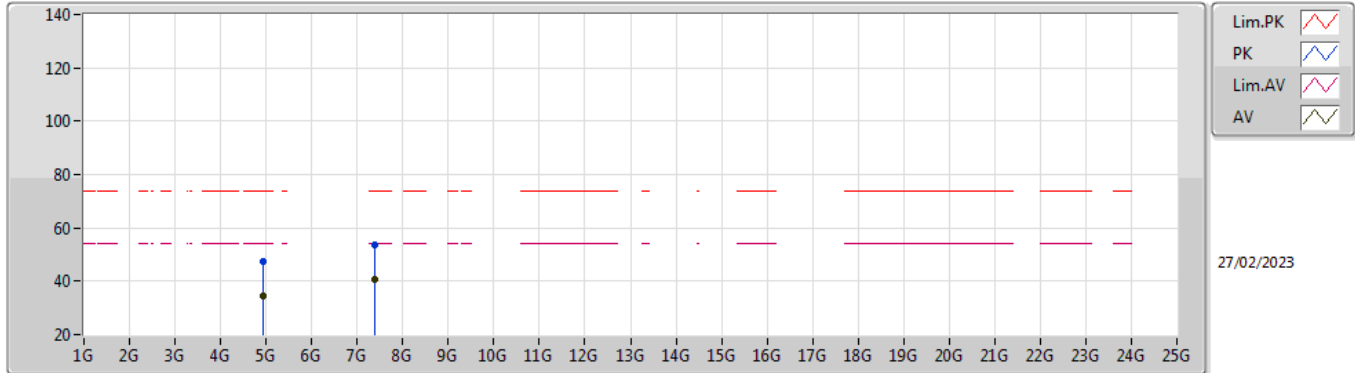


EUT X_2TX
Setting 27
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92822G	47.37	74.00	-26.63	41.40	3	Vertical	230	2.25	-	33.00	5.83	32.86
AV	4.92142G	34.40	54.00	-19.60	28.45	3	Vertical	230	2.25	-	33.00	5.82	32.87
PK	7.3872G	52.63	74.00	-21.37	41.13	3	Vertical	58	2.78	-	37.53	7.19	33.22
AV	7.38606G	40.52	54.00	-13.48	29.02	3	Vertical	58	2.78	-	37.53	7.19	33.22

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

2462MHz_TX

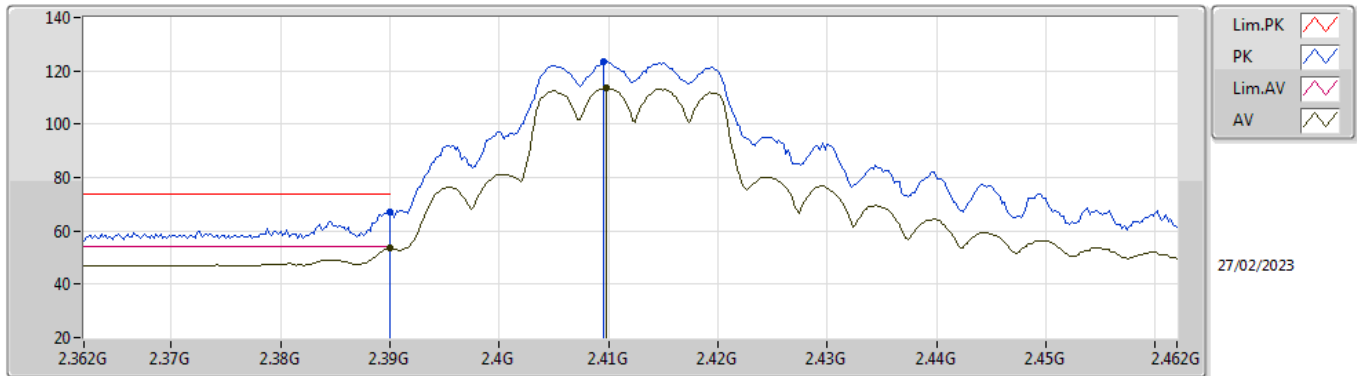


EUT X_2TX
Setting 27
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92654G	47.47	74.00	-26.53	41.50	3	Horizontal	218	1.85	-	33.00	5.83	32.86
AV	4.92824G	34.34	54.00	-19.66	28.37	3	Horizontal	218	1.85	-	33.00	5.83	32.86
PK	7.38372G	53.71	74.00	-20.29	42.21	3	Horizontal	297	1.17	-	37.53	7.19	33.22
AV	7.38936G	40.46	54.00	-13.54	28.97	3	Horizontal	297	1.17	-	37.52	7.19	33.22

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

2412MHz_TX

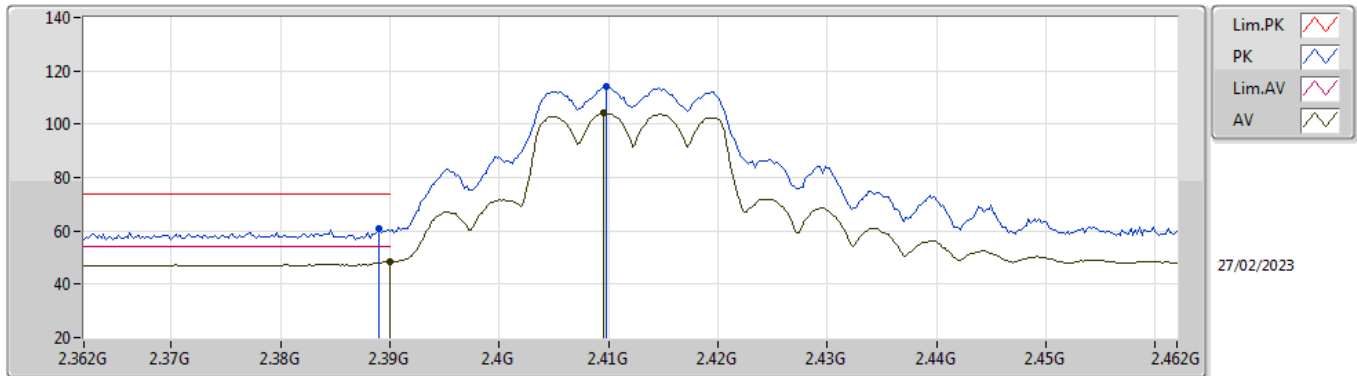


EUT X_2TX
Setting 24
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	67.15	74.00	-6.85	35.78	3	Vertical	341	2.40	-	27.78	3.59	-
AV	2.39G	53.53	54.00	-0.47	22.16	3	Vertical	341	2.40	-	27.78	3.59	-
PK	2.4096G	123.39	Inf	-Inf	91.97	3	Vertical	341	2.40	-	27.82	3.60	-
AV	2.4098G	113.55	Inf	-Inf	82.13	3	Vertical	341	2.40	-	27.82	3.60	-

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

2412MHz_TX

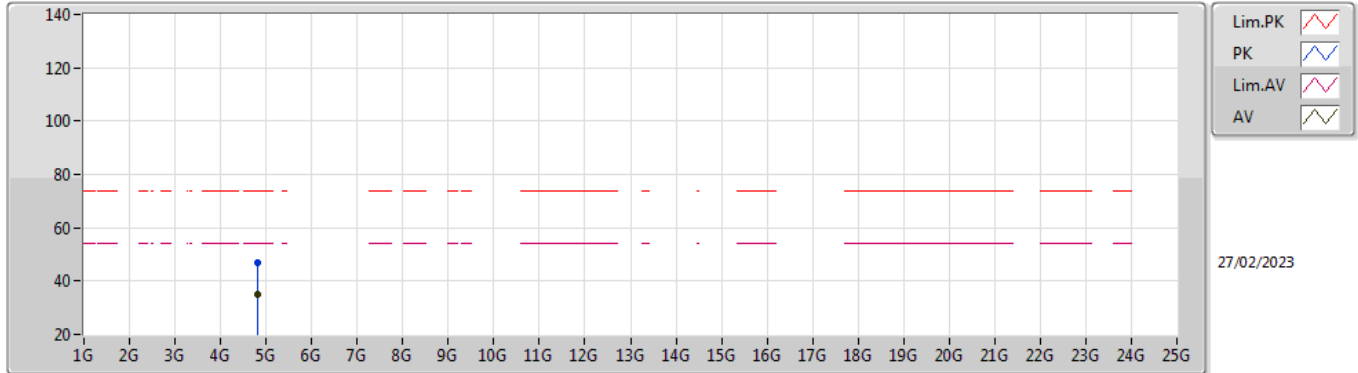


EUT X_2TX
Setting 24
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	60.81	74.00	-13.19	29.44	3	Horizontal	247	1.87	-	27.78	3.59	-
AV	2.39G	48.61	54.00	-5.39	17.24	3	Horizontal	247	1.87	-	27.78	3.59	-
PK	2.4098G	113.92	Inf	-Inf	82.50	3	Horizontal	247	1.87	-	27.82	3.60	-
AV	2.4096G	104.08	Inf	-Inf	72.66	3	Horizontal	247	1.87	-	27.82	3.60	-

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

2412MHz_TX

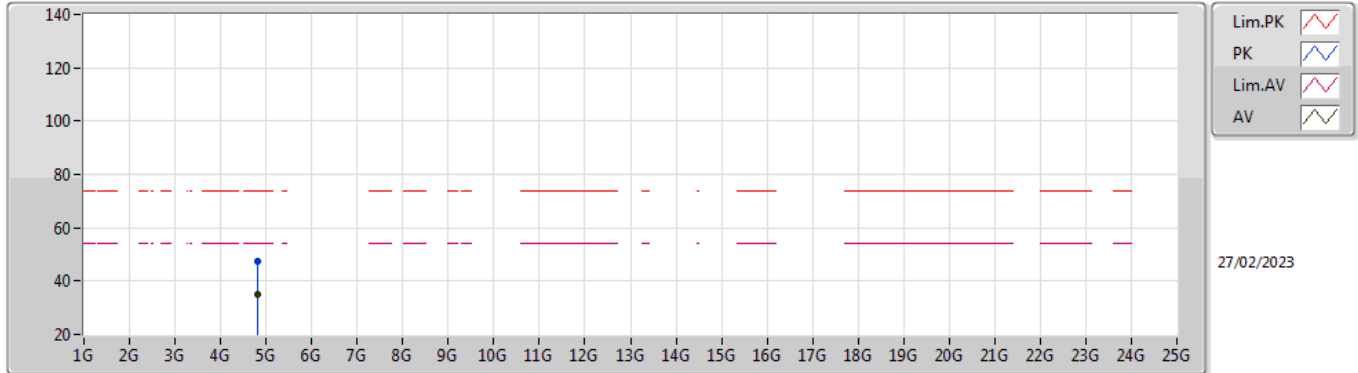


EUT X_2TX
Setting 24
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82758G	46.78	74.00	-27.22	41.06	3	Vertical	207	1.94	-	32.87	5.73	32.88
AV	4.82398G	34.88	54.00	-19.12	29.21	3	Vertical	207	1.94	-	32.84	5.72	32.89

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

2412MHz_TX

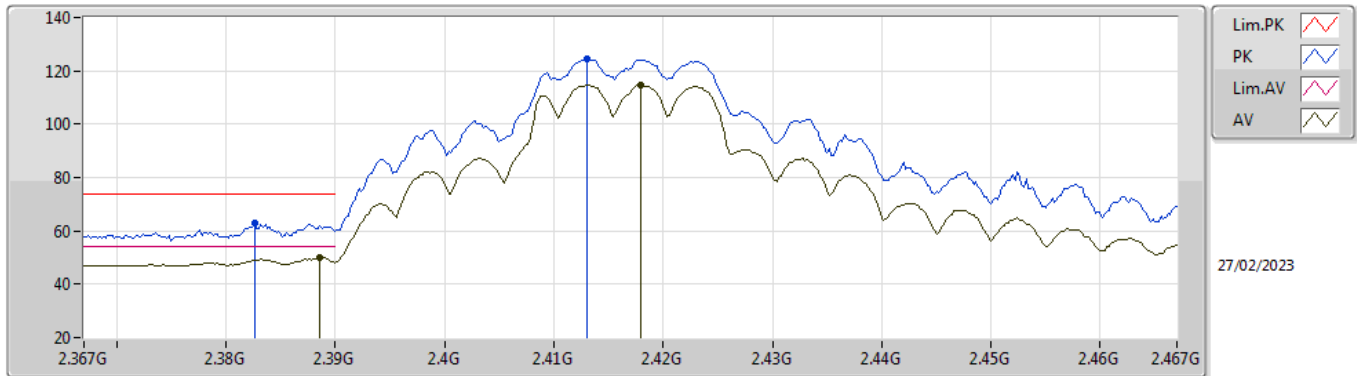


EUT X_2TX
Setting 24
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82612G	47.64	74.00	-26.36	41.93	3	Horizontal	143	1.33	-	32.86	5.73	32.88
AV	4.82402G	34.85	54.00	-19.15	29.18	3	Horizontal	143	1.33	-	32.84	5.72	32.89

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

2417MHz_TX

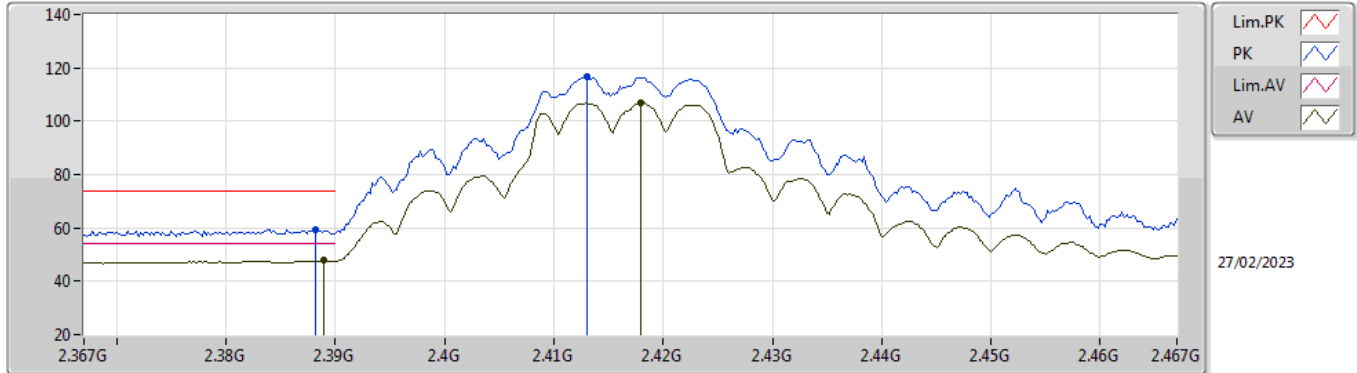


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3826G	62.82	74.00	-11.18	31.47	3	Vertical	332	1.80	-	27.77	3.58	-
AV	2.3886G	49.95	54.00	-4.05	18.58	3	Vertical	332	1.80	-	27.78	3.59	-
PK	2.413G	124.49	Inf	-Inf	93.05	3	Vertical	332	1.80	-	27.83	3.61	-
AV	2.418G	114.82	Inf	-Inf	83.37	3	Vertical	332	1.80	-	27.84	3.61	-

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

2417MHz_TX

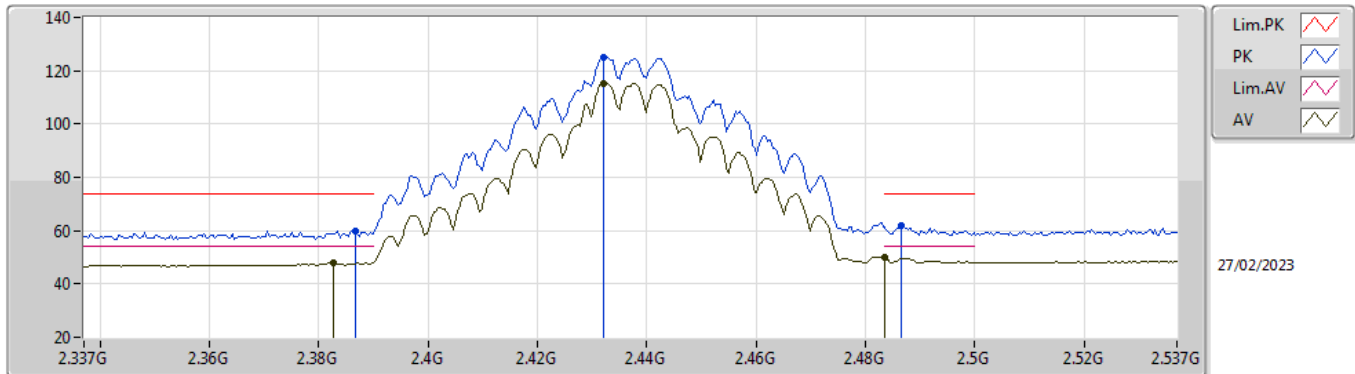


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	59.49	74.00	-14.51	28.12	3	Horizontal	207	1.00	-	27.78	3.59	-
AV	2.389G	47.68	54.00	-6.32	16.31	3	Horizontal	207	1.00	-	27.78	3.59	-
PK	2.413G	116.83	Inf	-Inf	85.39	3	Horizontal	207	1.00	-	27.83	3.61	-
AV	2.418G	107.02	Inf	-Inf	75.57	3	Horizontal	207	1.00	-	27.84	3.61	-

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

2437MHz_TX

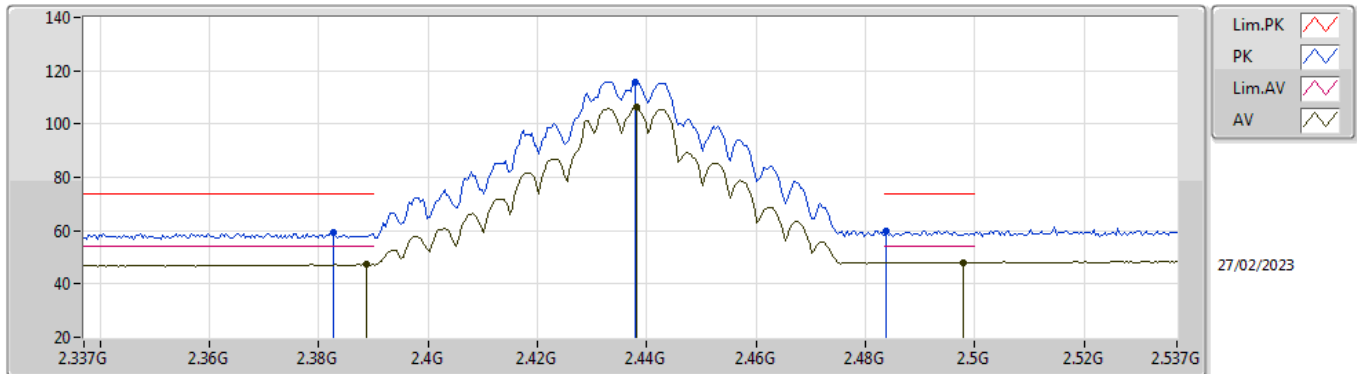


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3866G	59.92	74.00	-14.08	28.56	3	Vertical	321	2.05	-	27.77	3.59	-
AV	2.3826G	47.91	54.00	-6.09	16.56	3	Vertical	321	2.05	-	27.77	3.58	-
PK	2.4322G	125.08	Inf	-Inf	93.60	3	Vertical	321	2.05	-	27.86	3.62	-
AV	2.4322G	115.41	Inf	-Inf	83.93	3	Vertical	321	2.05	-	27.86	3.62	-
PK	2.4866G	62.00	74.00	-12.00	30.24	3	Vertical	321	2.05	-	28.12	3.64	-
AV	2.4835G	49.81	54.00	-4.19	18.07	3	Vertical	321	2.05	-	28.10	3.64	-

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

2437MHz_TX

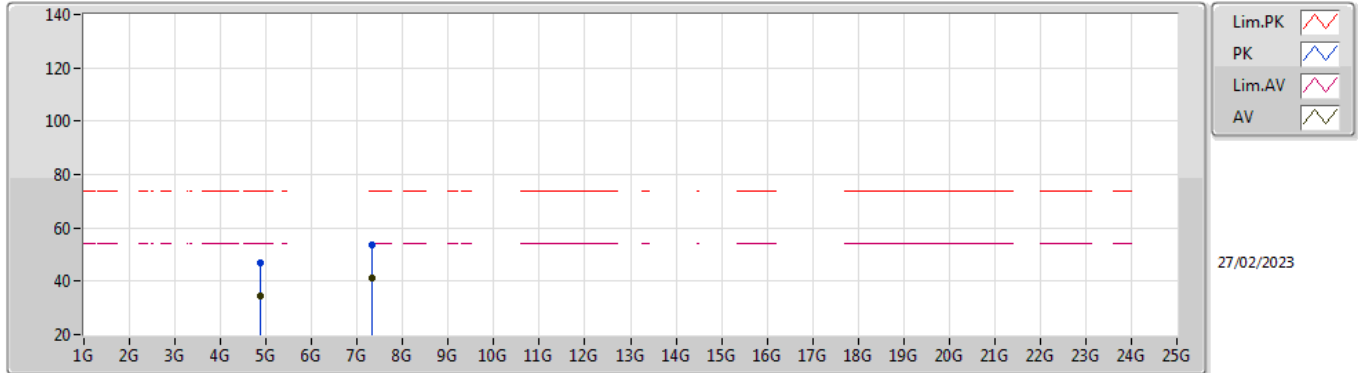


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3826G	59.16	74.00	-14.84	27.81	3	Horizontal	246	1.36	-	27.77	3.58	-
AV	2.3886G	47.33	54.00	-6.67	15.96	3	Horizontal	246	1.36	-	27.78	3.59	-
PK	2.4378G	115.61	Inf	-Inf	84.11	3	Horizontal	246	1.36	-	27.88	3.62	-
AV	2.4382G	106.17	Inf	-Inf	74.67	3	Horizontal	246	1.36	-	27.88	3.62	-
PK	2.4838G	59.76	74.00	-14.24	28.02	3	Horizontal	246	1.36	-	28.10	3.64	-
AV	2.4978G	48.14	54.00	-5.86	16.30	3	Horizontal	246	1.36	-	28.19	3.65	-

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

2437MHz_TX

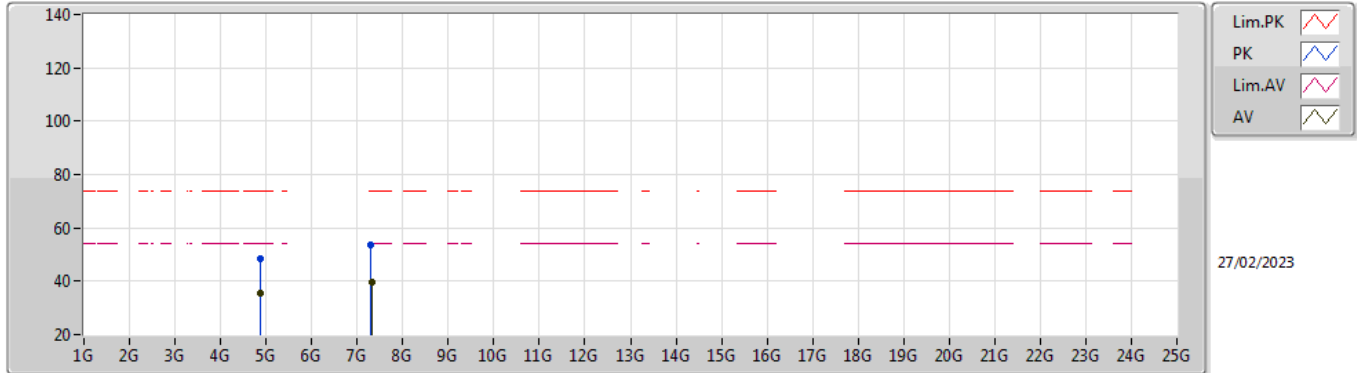


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8644G	47.09	74.00	-26.91	41.21	3	Vertical	61	1.80	-	33.00	5.76	32.88
AV	4.8728G	34.26	54.00	-19.74	28.37	3	Vertical	61	1.80	-	33.00	5.77	32.88
PK	7.31748G	53.53	74.00	-20.47	41.96	3	Vertical	126	2.40	-	37.60	7.16	33.19
AV	7.31256G	40.98	54.00	-13.02	29.40	3	Vertical	126	2.40	-	37.60	7.16	33.18

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

2437MHz_TX

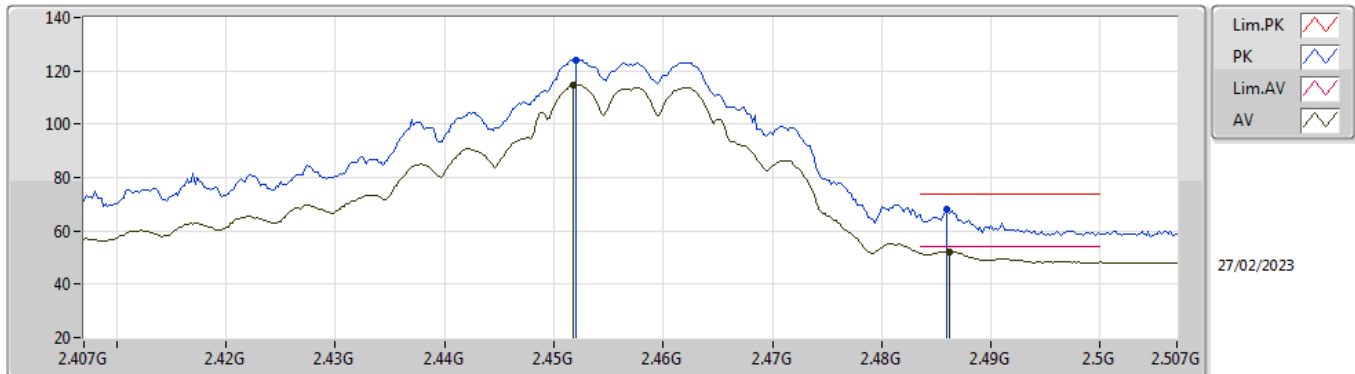


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.86638G	48.61	74.00	-25.39	42.72	3	Horizontal	146	1.37	-	33.00	5.77	32.88
AV	4.874G	35.29	54.00	-18.71	29.40	3	Horizontal	146	1.37	-	33.00	5.77	32.88
PK	7.30788G	53.43	74.00	-20.57	41.86	3	Horizontal	304	2.52	-	37.60	7.15	33.18
AV	7.31328G	39.83	54.00	-14.17	28.25	3	Horizontal	304	2.52	-	37.60	7.16	33.18

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

2457MHz_TX

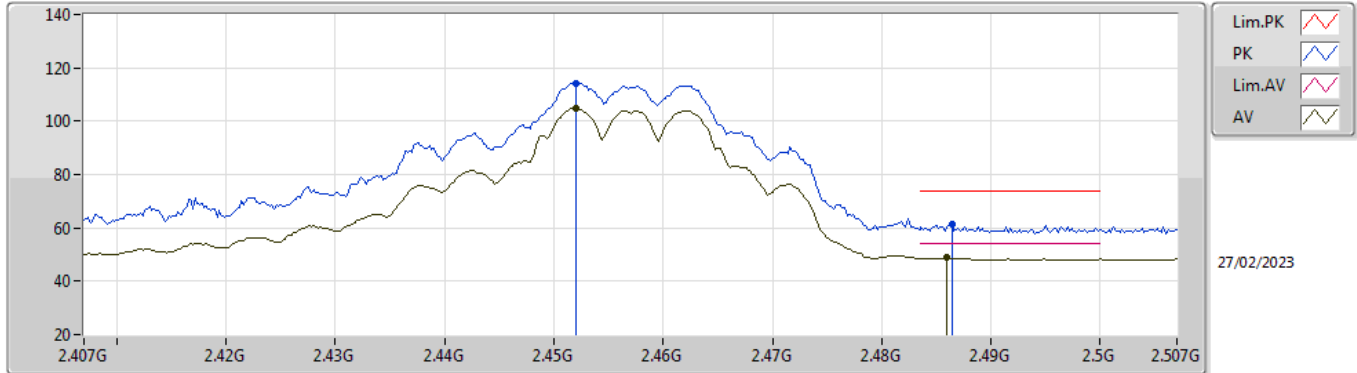


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.452G	124.11	Inf	-Inf	92.57	3	Vertical	326	2.30	-	27.91	3.63	-
AV	2.4518G	114.69	Inf	-Inf	83.15	3	Vertical	326	2.30	-	27.91	3.63	-
PK	2.486G	68.06	74.00	-5.94	36.30	3	Vertical	326	2.30	-	28.12	3.64	-
AV	2.4862G	52.19	54.00	-1.81	20.43	3	Vertical	326	2.30	-	28.12	3.64	-

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

2457MHz_TX

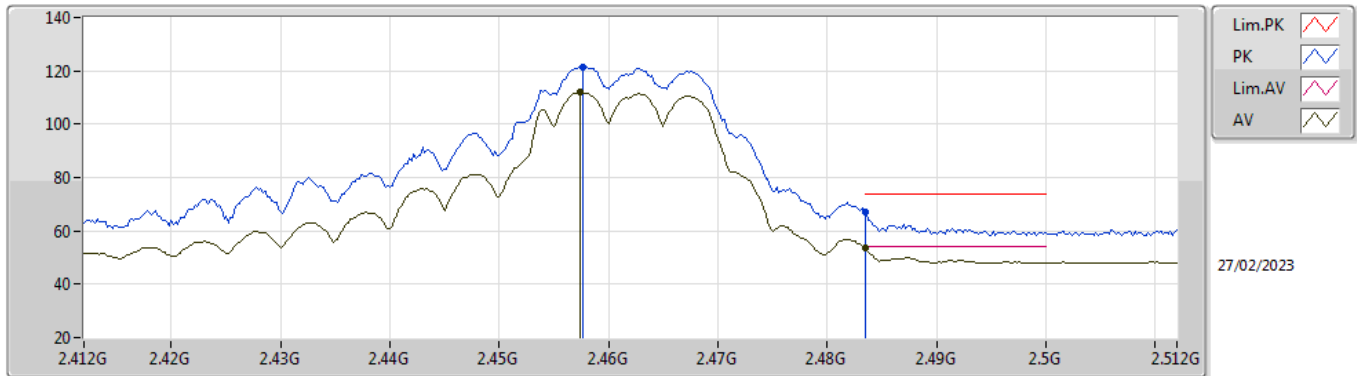


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.452G	114.31	Inf	-Inf	82.77	3	Horizontal	248	1.74	-	27.91	3.63	-
AV	2.452G	104.85	Inf	-Inf	73.31	3	Horizontal	248	1.74	-	27.91	3.63	-
PK	2.4864G	61.54	74.00	-12.46	29.78	3	Horizontal	248	1.74	-	28.12	3.64	-
AV	2.486G	48.85	54.00	-5.15	17.09	3	Horizontal	248	1.74	-	28.12	3.64	-

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

2462MHz_TX

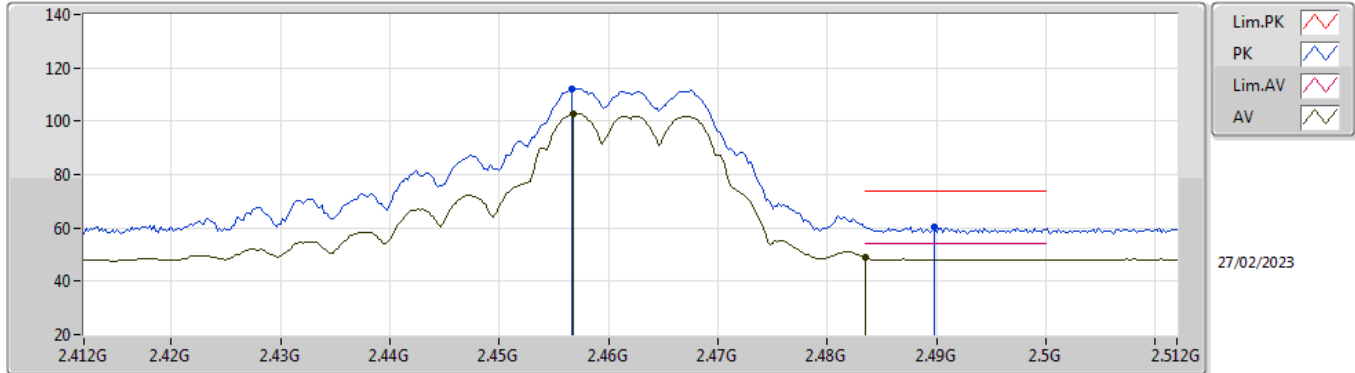


EUT X_2TX
Setting 24.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4576G	121.30	Inf	-Inf	89.72	3	Vertical	314	1.80	-	27.95	3.63	-
AV	2.4574G	111.98	Inf	-Inf	80.41	3	Vertical	314	1.80	-	27.94	3.63	-
PK	2.4835G	67.08	74.00	-6.92	35.34	3	Vertical	314	1.80	-	28.10	3.64	-
AV	2.4835G	53.75	54.00	-0.25	22.01	3	Vertical	314	1.80	-	28.10	3.64	-

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

2462MHz_TX

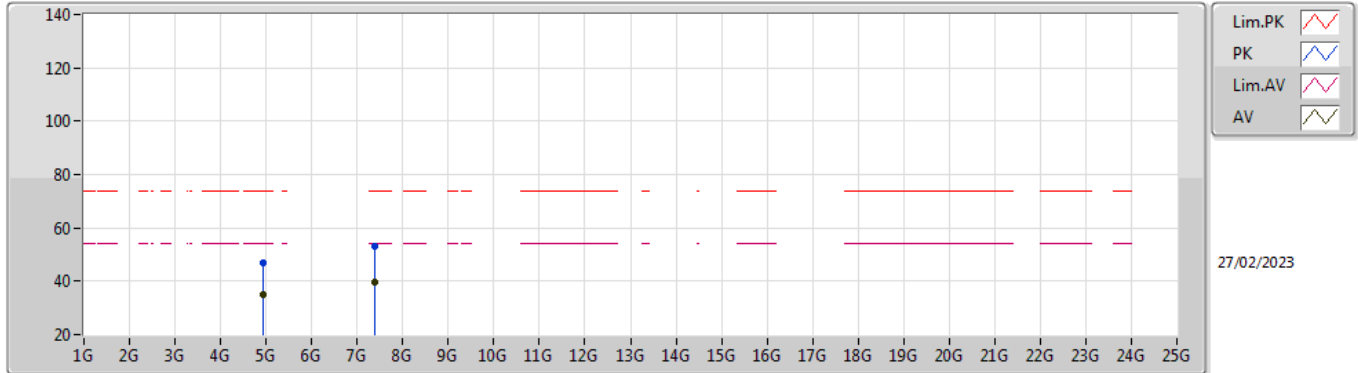


EUT X_2TX
Setting 24.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4566G	112.15	Inf	-Inf	80.58	3	Horizontal	247	1.76	-	27.94	3.63	-
AV	2.4568G	102.94	Inf	-Inf	71.37	3	Horizontal	247	1.76	-	27.94	3.63	-
PK	2.4898G	60.58	74.00	-13.42	28.80	3	Horizontal	247	1.76	-	28.14	3.64	-
AV	2.4835G	49.01	54.00	-4.99	17.27	3	Horizontal	247	1.76	-	28.10	3.64	-

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

2462MHz_TX

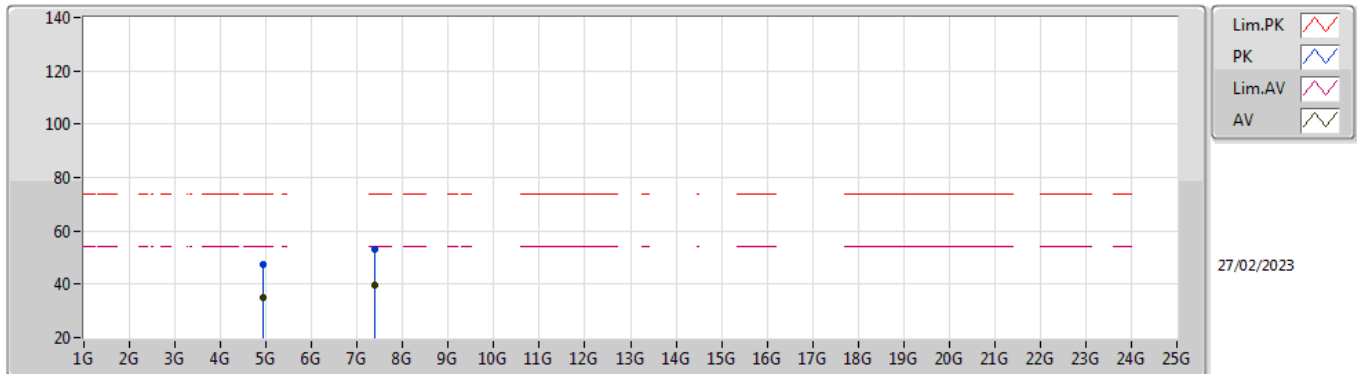


EUT X_2TX
Setting 24.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.91938G	47.01	74.00	-26.99	41.06	3	Vertical	32	2.92	-	33.00	5.82	32.87
AV	4.92402G	34.82	54.00	-19.18	28.87	3	Vertical	32	2.92	-	33.00	5.82	32.87
PK	7.3832G	53.01	74.00	-20.99	41.51	3	Vertical	277	2.32	-	37.53	7.19	33.22
AV	7.38374G	39.87	54.00	-14.13	28.37	3	Vertical	277	2.32	-	37.53	7.19	33.22

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

2462MHz_TX

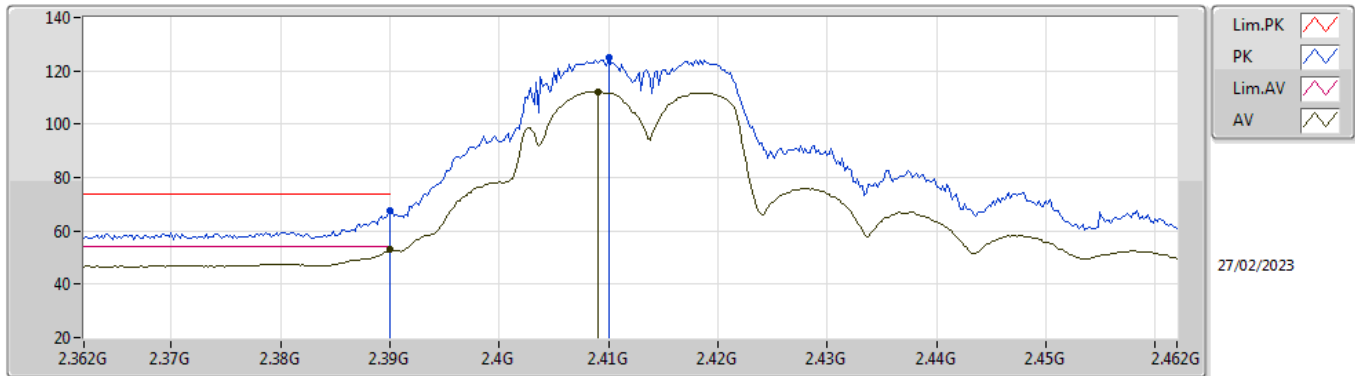


EUT X_2TX
Setting 24.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92788G	47.32	74.00	-26.68	41.35	3	Horizontal	223	1.31	-	33.00	5.83	32.86
AV	4.924G	34.92	54.00	-19.08	28.97	3	Horizontal	223	1.31	-	33.00	5.82	32.87
PK	7.38988G	52.92	74.00	-21.08	41.43	3	Horizontal	251	1.78	-	37.52	7.19	33.22
AV	7.38418G	39.64	54.00	-14.36	28.14	3	Horizontal	251	1.78	-	37.53	7.19	33.22

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

2412MHz_TX

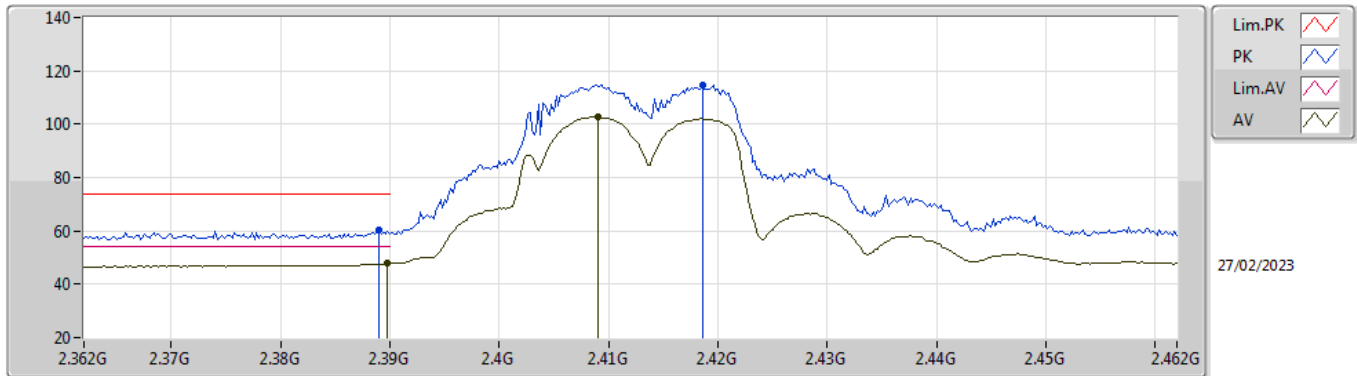


EUT X_2TX
Setting 23.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	67.49	74.00	-6.51	36.12	3	Vertical	330	1.80	-	27.78	3.59	-
AV	2.39G	52.89	54.00	-1.11	21.52	3	Vertical	330	1.80	-	27.78	3.59	-
PK	2.41G	124.77	Inf	-Inf	93.35	3	Vertical	330	1.80	-	27.82	3.60	-
AV	2.409G	112.27	Inf	-Inf	80.85	3	Vertical	330	1.80	-	27.82	3.60	-

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

2412MHz_TX

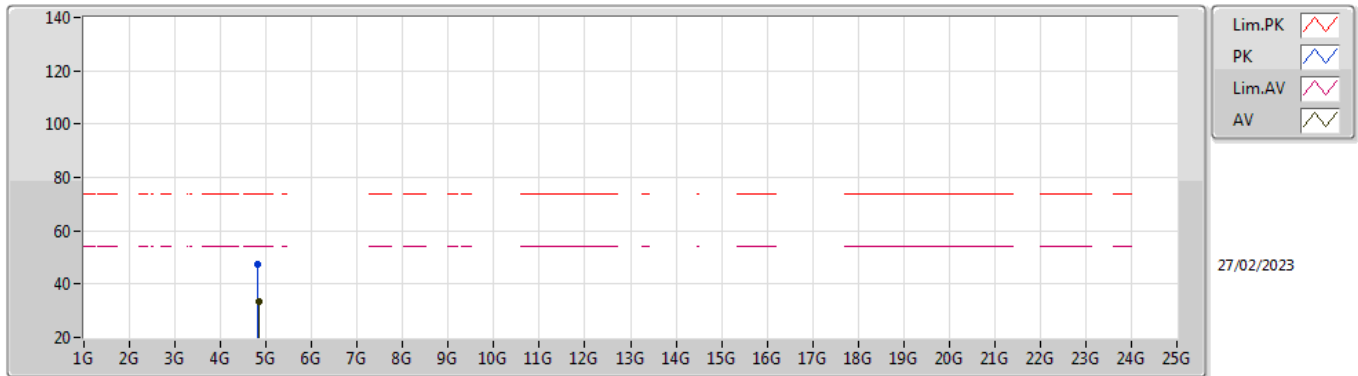


EUT X_2TX
Setting 23.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	60.21	74.00	-13.79	28.84	3	Horizontal	246	1.36	-	27.78	3.59	-
AV	2.3898G	47.81	54.00	-6.19	16.44	3	Horizontal	246	1.36	-	27.78	3.59	-
PK	2.4186G	114.88	Inf	-Inf	83.43	3	Horizontal	246	1.36	-	27.84	3.61	-
AV	2.409G	102.80	Inf	-Inf	71.38	3	Horizontal	246	1.36	-	27.82	3.60	-

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

2412MHz_TX

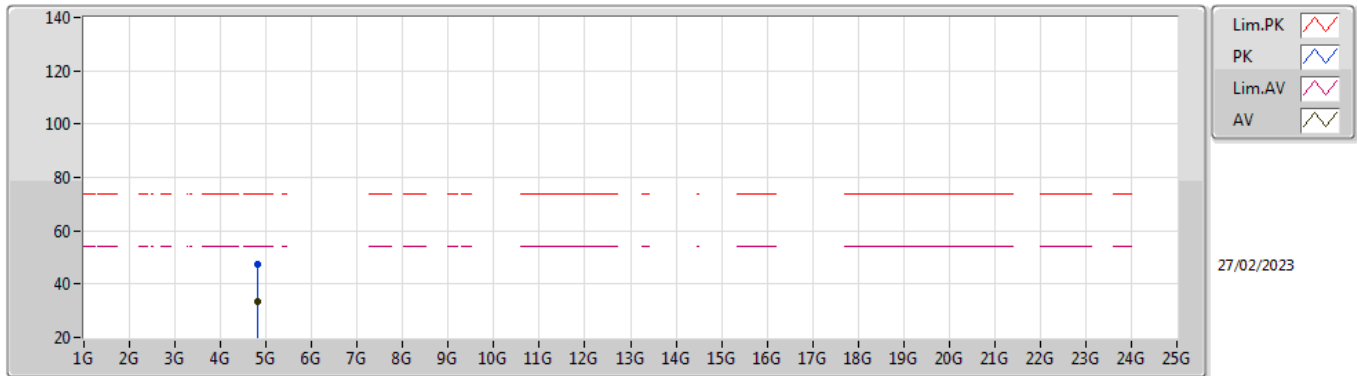


EUT X_2TX
Setting 23.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8236G	47.38	74.00	-26.62	41.71	3	Vertical	274	2.00	-	32.84	5.72	32.89
AV	4.82878G	33.44	54.00	-20.56	27.72	3	Vertical	274	2.00	-	32.87	5.73	32.88

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

2412MHz_TX

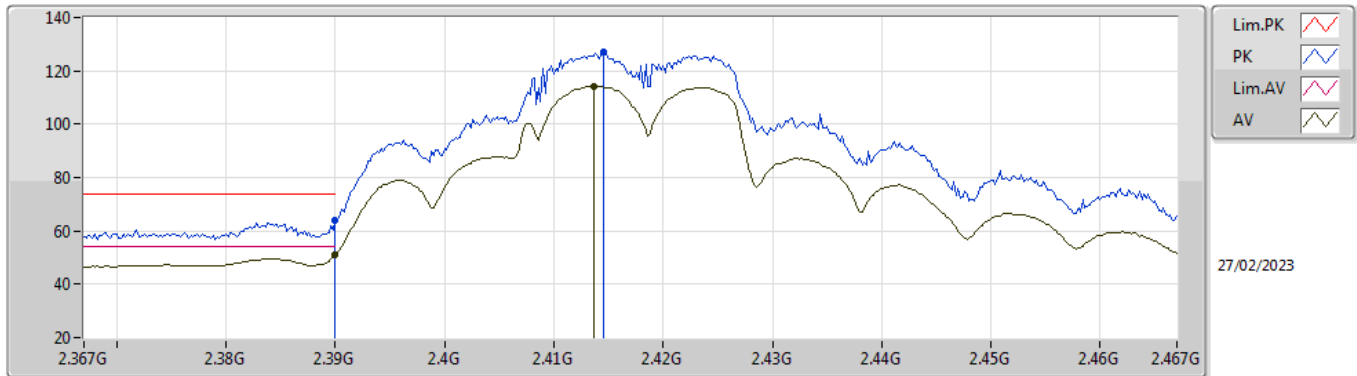


EUT X_2TX
Setting 23.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8272G	47.49	74.00	-26.51	41.78	3	Horizontal	330	2.74	-	32.86	5.73	32.88
AV	4.8277G	33.31	54.00	-20.69	27.59	3	Horizontal	330	2.74	-	32.87	5.73	32.88

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

2417MHz_TX

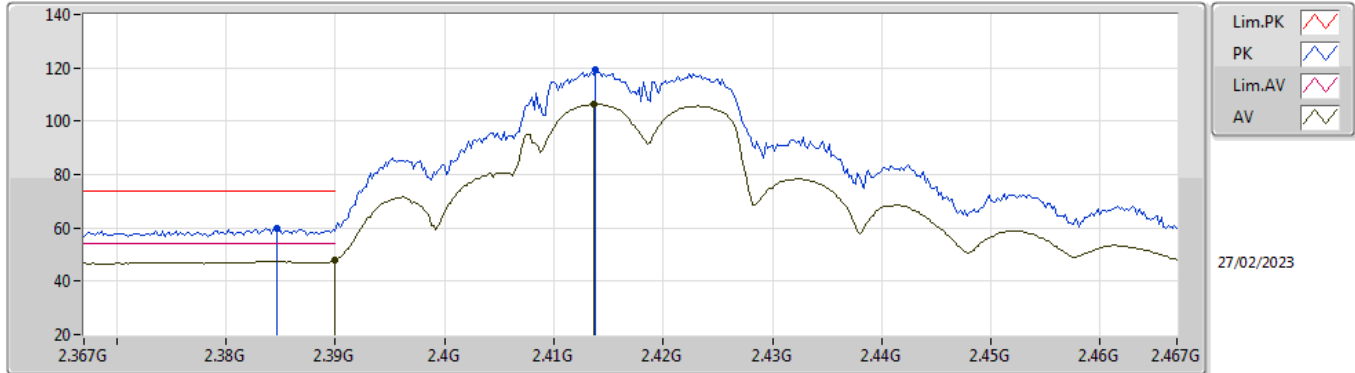


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	64.06	74.00	-9.94	32.69	3	Vertical	328	1.80	-	27.78	3.59	-
AV	2.39G	51.06	54.00	-2.94	19.69	3	Vertical	328	1.80	-	27.78	3.59	-
PK	2.4146G	126.92	Inf	-Inf	95.48	3	Vertical	328	1.80	-	27.83	3.61	-
AV	2.4136G	114.21	Inf	-Inf	82.77	3	Vertical	328	1.80	-	27.83	3.61	-

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

2417MHz_TX

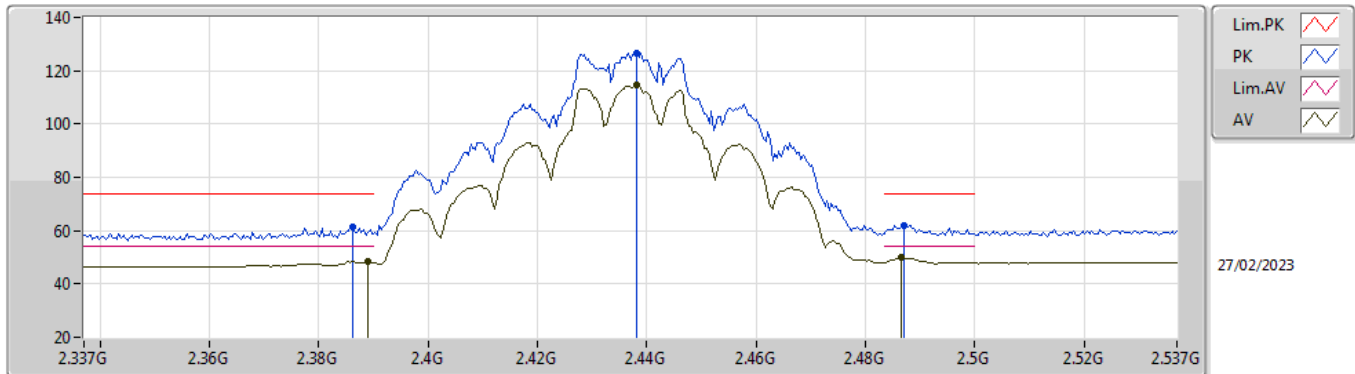


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3846G	59.97	74.00	-14.03	28.62	3	Horizontal	208	1.01	-	27.77	3.58	-
AV	2.39G	48.10	54.00	-5.90	16.73	3	Horizontal	208	1.01	-	27.78	3.59	-
PK	2.4138G	119.50	Inf	-Inf	88.06	3	Horizontal	208	1.01	-	27.83	3.61	-
AV	2.4136G	106.38	Inf	-Inf	74.94	3	Horizontal	208	1.01	-	27.83	3.61	-

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

2437MHz_TX

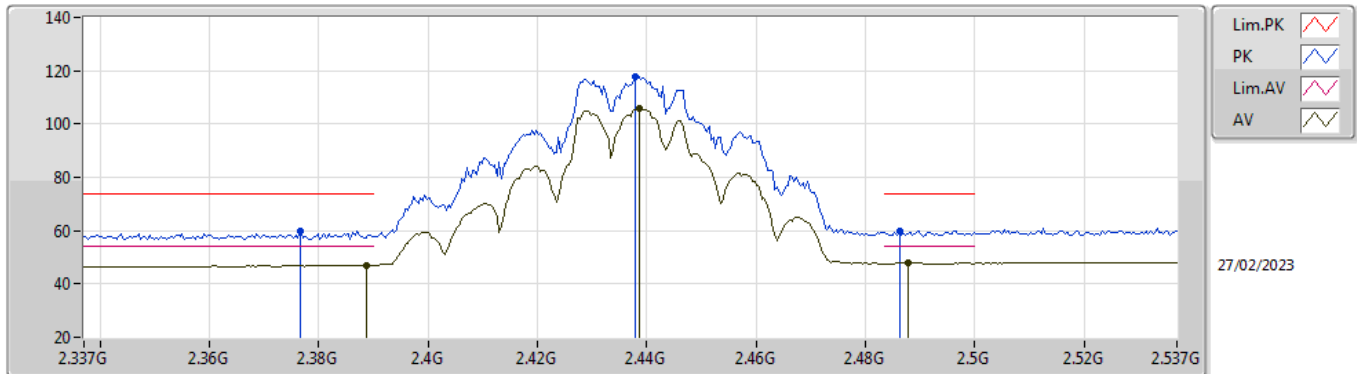


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3862G	61.15	74.00	-12.85	29.79	3	Vertical	335	2.28	-	27.77	3.59	-
AV	2.389G	48.35	54.00	-5.65	16.98	3	Vertical	335	2.28	-	27.78	3.59	-
PK	2.4382G	126.79	Inf	-Inf	95.29	3	Vertical	335	2.28	-	27.88	3.62	-
AV	2.4382G	114.56	Inf	-Inf	83.06	3	Vertical	335	2.28	-	27.88	3.62	-
PK	2.487G	61.93	74.00	-12.07	30.17	3	Vertical	335	2.28	-	28.12	3.64	-
AV	2.4866G	49.80	54.00	-4.20	18.04	3	Vertical	335	2.28	-	28.12	3.64	-

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

2437MHz_TX

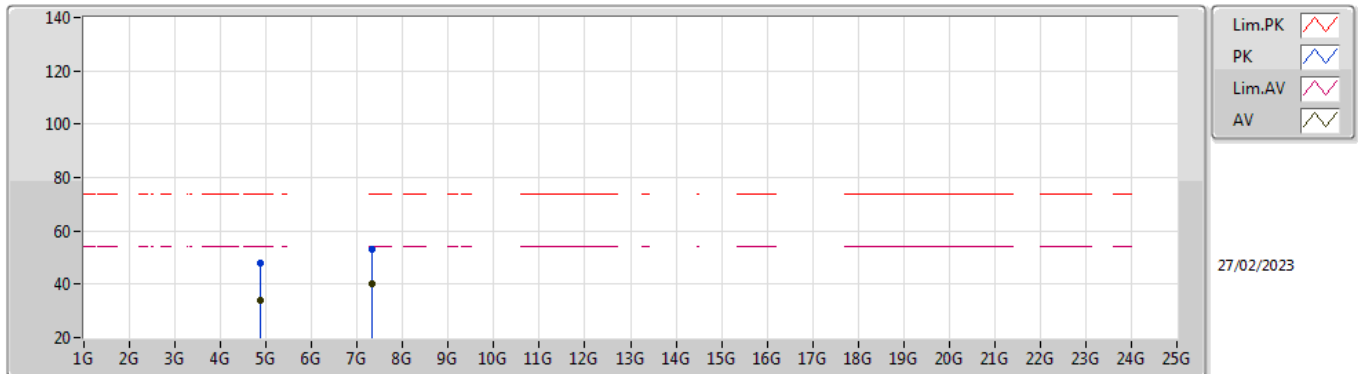


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3766G	59.72	74.00	-14.28	28.39	3	Horizontal	247	1.31	-	27.75	3.58	-
AV	2.3886G	47.12	54.00	-6.88	15.75	3	Horizontal	247	1.31	-	27.78	3.59	-
PK	2.4378G	117.84	Inf	-Inf	86.34	3	Horizontal	247	1.31	-	27.88	3.62	-
AV	2.4386G	105.75	Inf	-Inf	74.25	3	Horizontal	247	1.31	-	27.88	3.62	-
PK	2.4862G	59.98	74.00	-14.02	28.22	3	Horizontal	247	1.31	-	28.12	3.64	-
AV	2.4878G	47.84	54.00	-6.16	16.07	3	Horizontal	247	1.31	-	28.13	3.64	-

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

2437MHz_TX

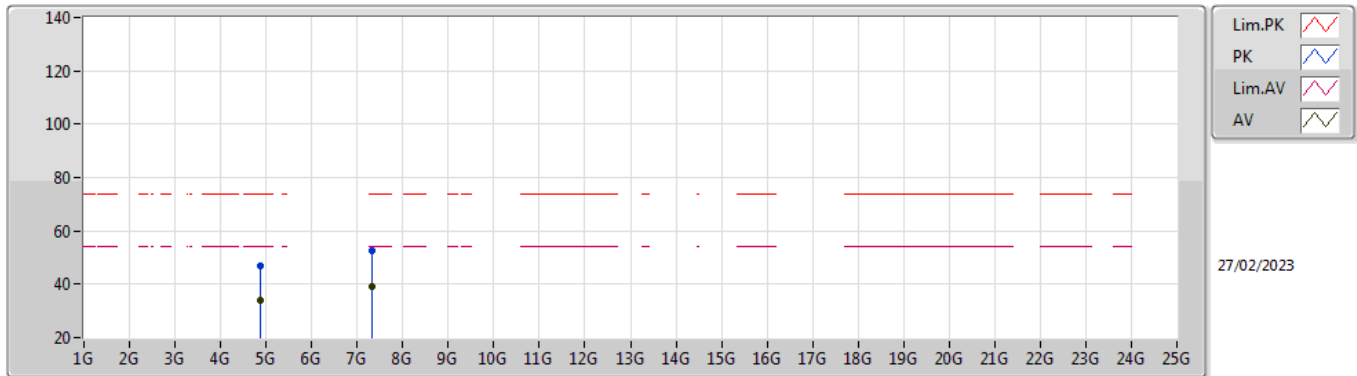


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.86692G	47.87	74.00	-26.13	41.98	3	Vertical	109	1.80	-	33.00	5.77	32.88
AV	4.87388G	33.86	54.00	-20.14	27.97	3	Vertical	109	1.80	-	33.00	5.77	32.88
PK	7.31466G	53.33	74.00	-20.67	41.75	3	Vertical	126	2.35	-	37.60	7.16	33.18
AV	7.31328G	40.29	54.00	-13.71	28.71	3	Vertical	126	2.35	-	37.60	7.16	33.18

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

2437MHz_TX

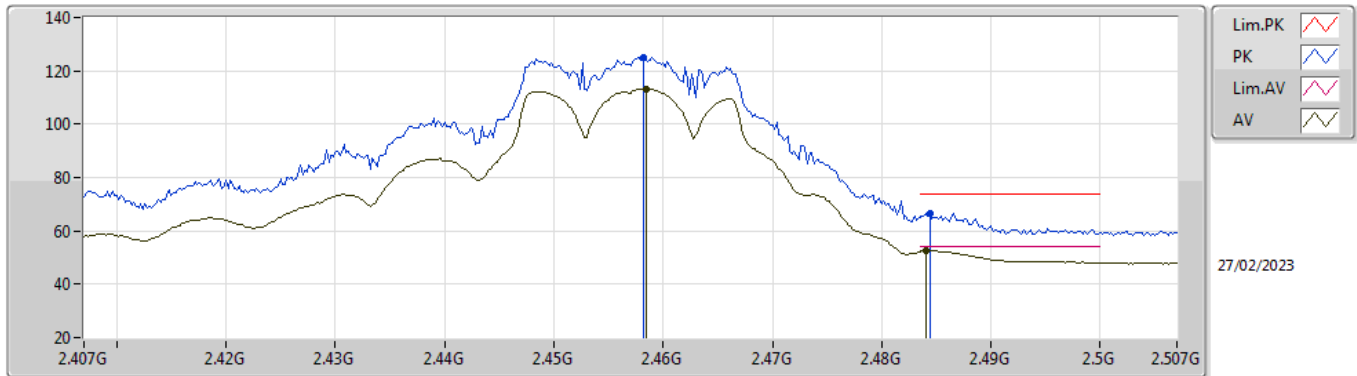


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87244G	47.15	74.00	-26.85	41.26	3	Horizontal	330	1.31	-	33.00	5.77	32.88
AV	4.87394G	33.89	54.00	-20.11	28.00	3	Horizontal	330	1.31	-	33.00	5.77	32.88
PK	7.31514G	52.81	74.00	-21.19	41.23	3	Horizontal	183	1.80	-	37.60	7.16	33.18
AV	7.31508G	39.14	54.00	-14.86	27.56	3	Horizontal	183	1.80	-	37.60	7.16	33.18

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

2457MHz_TX

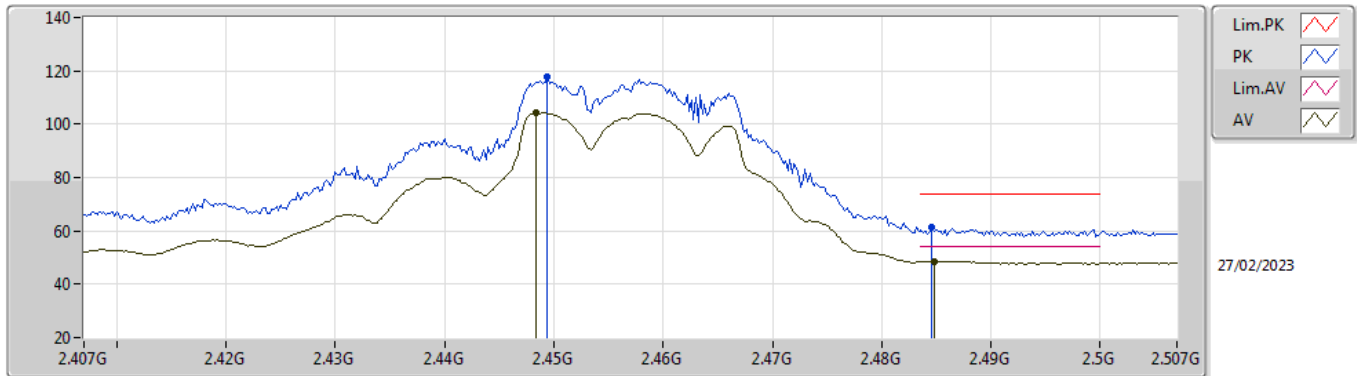


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4582G	125.13	Inf	-Inf	93.55	3	Vertical	311	1.80	-	27.95	3.63	-
AV	2.4584G	113.30	Inf	-Inf	81.72	3	Vertical	311	1.80	-	27.95	3.63	-
PK	2.4844G	66.72	74.00	-7.28	34.97	3	Vertical	311	1.80	-	28.11	3.64	-
AV	2.484G	52.56	54.00	-1.44	20.82	3	Vertical	311	1.80	-	28.10	3.64	-

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

2457MHz_TX

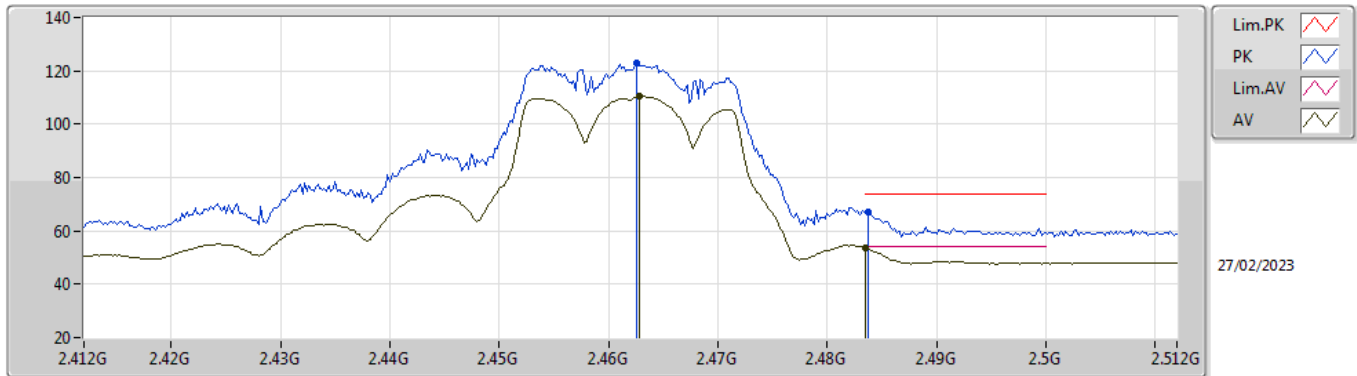


EUT X_2TX
Setting 27.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4494G	117.87	Inf	-Inf	86.35	3	Horizontal	245	1.31	-	27.90	3.62	-
AV	2.4484G	104.22	Inf	-Inf	72.70	3	Horizontal	245	1.31	-	27.90	3.62	-
PK	2.4846G	61.32	74.00	-12.68	29.57	3	Horizontal	245	1.31	-	28.11	3.64	-
AV	2.4848G	48.57	54.00	-5.43	16.82	3	Horizontal	245	1.31	-	28.11	3.64	-

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

2462MHz_TX

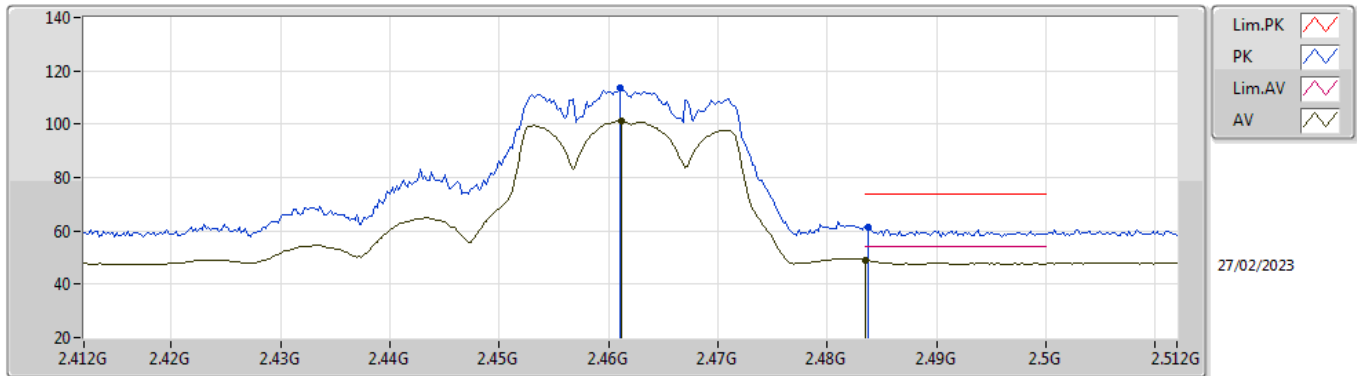


EUT X_2TX
Setting 23.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4626G	122.82	Inf	-Inf	91.21	3	Vertical	312	1.80	-	27.98	3.63	-
AV	2.4628G	110.61	Inf	-Inf	79.00	3	Vertical	312	1.80	-	27.98	3.63	-
PK	2.4838G	67.26	74.00	-6.74	35.52	3	Vertical	312	1.80	-	28.10	3.64	-
AV	2.4835G	53.51	54.00	-0.49	21.77	3	Vertical	312	1.80	-	28.10	3.64	-

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

2462MHz_TX

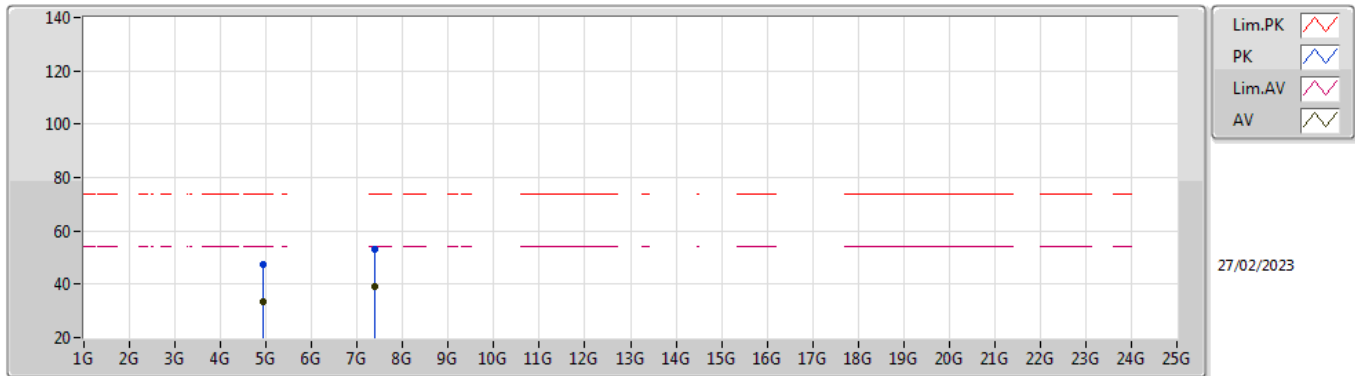


EUT X_2TX
Setting 23.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	113.67	Inf	-Inf	82.07	3	Horizontal	247	1.79	-	27.97	3.63	-
AV	2.4612G	101.08	Inf	-Inf	69.48	3	Horizontal	247	1.79	-	27.97	3.63	-
PK	2.4838G	61.33	74.00	-12.67	29.59	3	Horizontal	247	1.79	-	28.10	3.64	-
AV	2.4835G	49.06	54.00	-4.94	17.32	3	Horizontal	247	1.79	-	28.10	3.64	-

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

2462MHz_TX

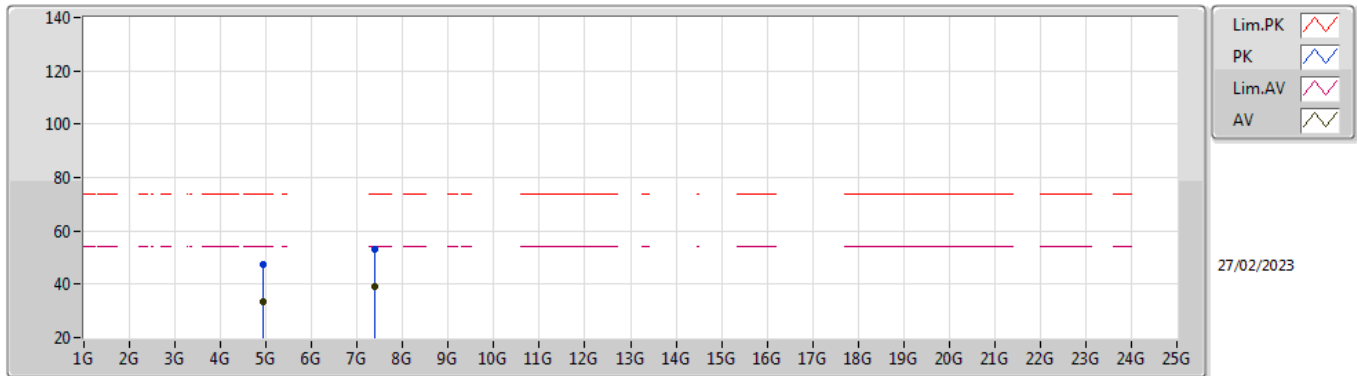


EUT X_2TX
Setting 23.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9286G	47.35	74.00	-26.65	41.38	3	Vertical	286	1.13	-	33.00	5.83	32.86
AV	4.92394G	33.44	54.00	-20.56	27.49	3	Vertical	286	1.13	-	33.00	5.82	32.87
PK	7.38684G	53.20	74.00	-20.80	41.70	3	Vertical	186	1.09	-	37.53	7.19	33.22
AV	7.38502G	39.22	54.00	-14.78	27.72	3	Vertical	186	1.09	-	37.53	7.19	33.22

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

2462MHz_TX

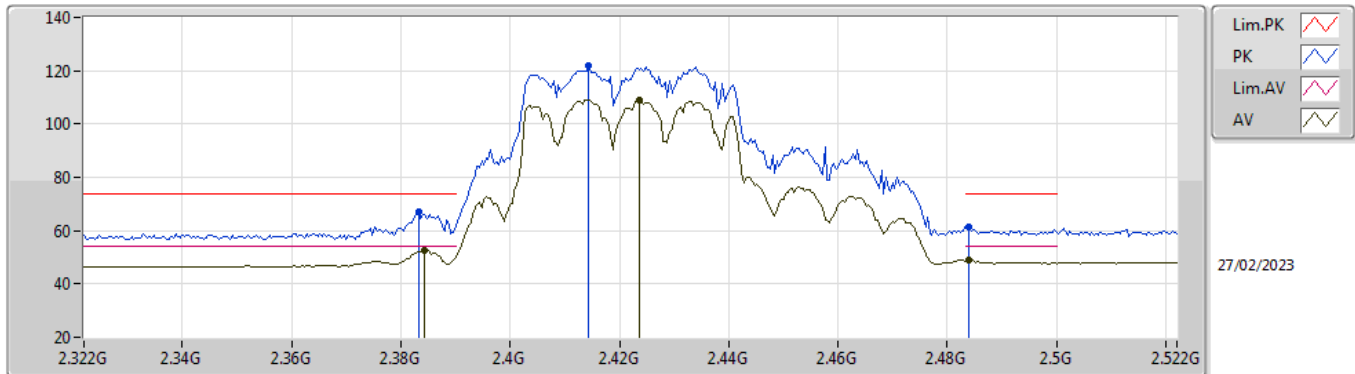


EUT X_2TX
Setting 23.5
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9238G	47.38	74.00	-26.62	41.43	3	Horizontal	253	1.59	-	33.00	5.82	32.87
AV	4.92398G	33.53	54.00	-20.47	27.58	3	Horizontal	253	1.59	-	33.00	5.82	32.87
PK	7.3824G	53.21	74.00	-20.79	41.70	3	Horizontal	143	1.11	-	37.54	7.19	33.22
AV	7.381G	39.39	54.00	-14.61	27.88	3	Horizontal	143	1.11	-	37.54	7.19	33.22

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

2422MHz_TX

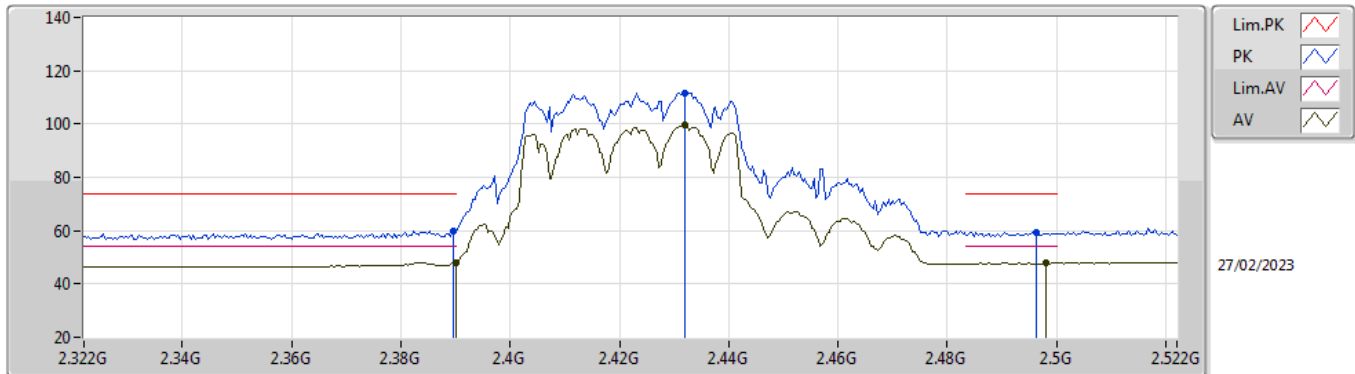


EUT X_2TX
Setting 23
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3832G	67.28	74.00	-6.72	35.93	3	Vertical	330	1.80	-	27.77	3.58	-
AV	2.3844G	52.64	54.00	-1.36	21.29	3	Vertical	330	1.80	-	27.77	3.58	-
PK	2.4144G	121.64	Inf	-Inf	90.20	3	Vertical	330	1.80	-	27.83	3.61	-
AV	2.4236G	108.96	Inf	-Inf	77.50	3	Vertical	330	1.80	-	27.85	3.61	-
PK	2.484G	61.38	74.00	-12.62	29.64	3	Vertical	330	1.80	-	28.10	3.64	-
AV	2.484G	48.82	54.00	-5.18	17.08	3	Vertical	330	1.80	-	28.10	3.64	-

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

2422MHz_TX

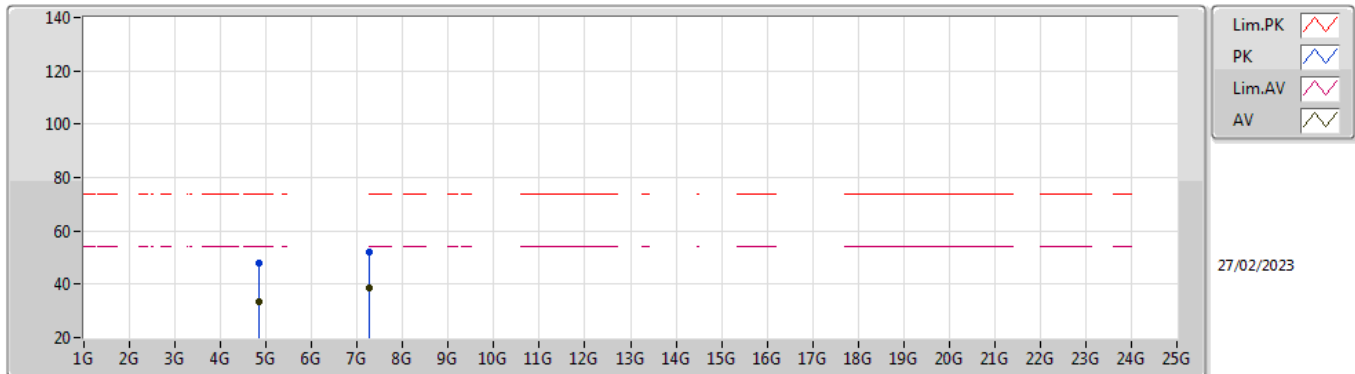


EUT X_2TX
Setting 23
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	59.78	74.00	-14.22	28.41	3	Horizontal	250	1.80	-	27.78	3.59	-
AV	2.39G	48.13	54.00	-5.87	16.76	3	Horizontal	250	1.80	-	27.78	3.59	-
PK	2.432G	111.73	Inf	-Inf	80.25	3	Horizontal	250	1.80	-	27.86	3.62	-
AV	2.432G	99.84	Inf	-Inf	68.36	3	Horizontal	250	1.80	-	27.86	3.62	-
PK	2.4964G	59.56	74.00	-14.44	27.73	3	Horizontal	250	1.80	-	28.18	3.65	-
AV	2.498G	47.77	54.00	-6.23	15.93	3	Horizontal	250	1.80	-	28.19	3.65	-

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

2422MHz_TX

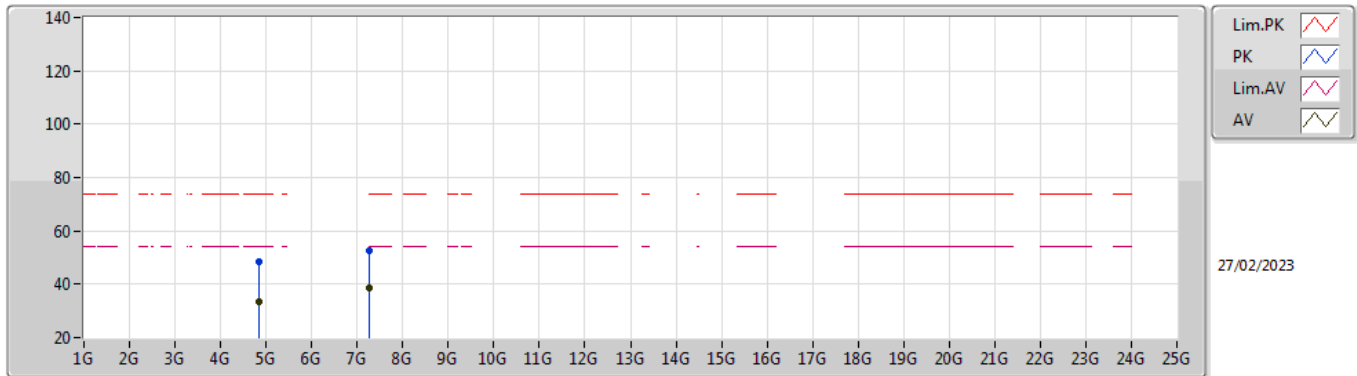


EUT X_2TX
Setting 23
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84734G	48.00	74.00	-26.00	42.15	3	Vertical	252	2.01	-	32.98	5.75	32.88
AV	4.84202G	33.64	54.00	-20.36	27.83	3	Vertical	252	2.01	-	32.95	5.74	32.88
PK	7.26614G	51.92	74.00	-22.08	40.49	3	Vertical	101	2.90	-	37.46	7.13	33.16
AV	7.26374G	38.52	54.00	-15.48	27.10	3	Vertical	101	2.90	-	37.45	7.13	33.16

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

2422MHz_TX

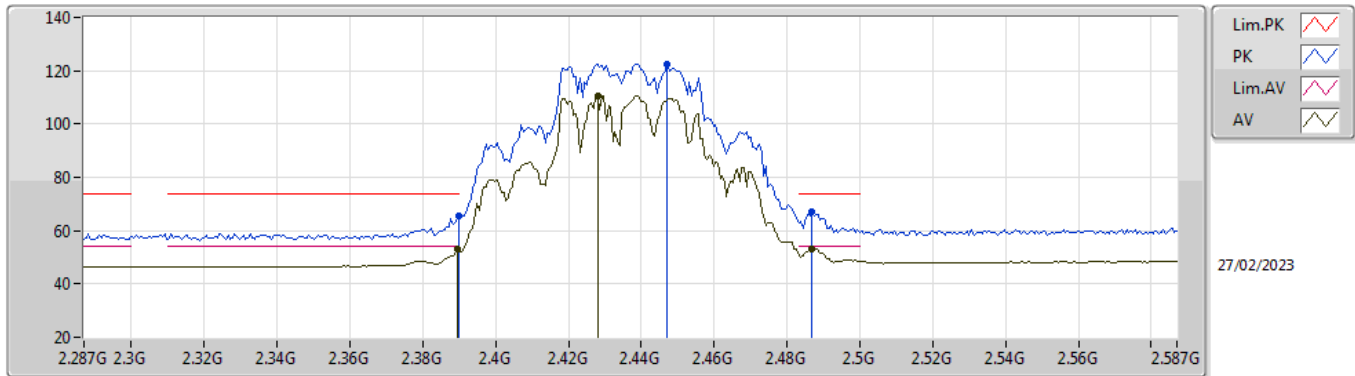


EUT X_2TX
Setting 23
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84608G	48.53	74.00	-25.47	42.68	3	Horizontal	4	2.45	-	32.98	5.75	32.88
AV	4.8437G	33.60	54.00	-20.40	27.78	3	Horizontal	4	2.45	-	32.96	5.74	32.88
PK	7.26938G	52.34	74.00	-21.66	40.89	3	Horizontal	135	1.72	-	37.48	7.13	33.16
AV	7.27066G	38.54	54.00	-15.46	27.08	3	Horizontal	135	1.72	-	37.48	7.14	33.16

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

2437MHz_TX

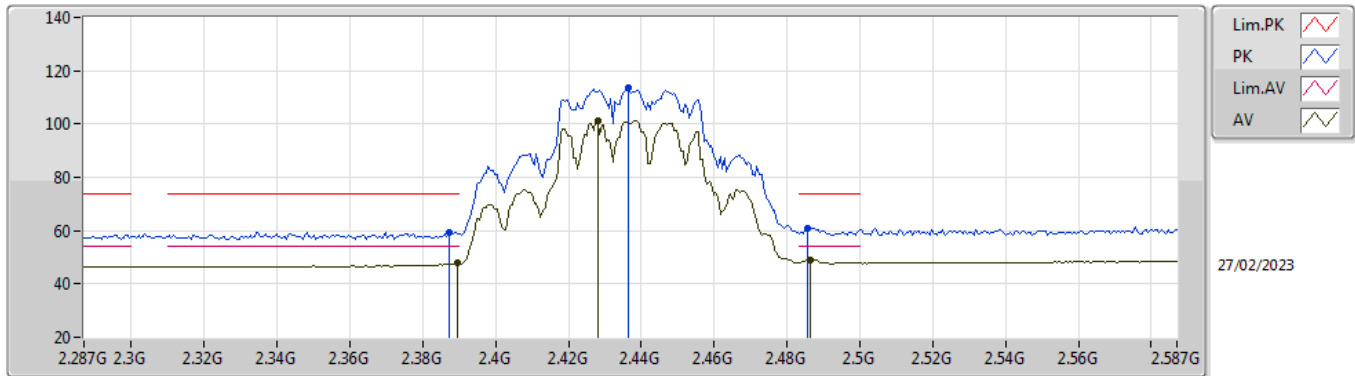


EUT X_2TX
Setting 25
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	65.51	74.00	-8.49	34.14	3	Vertical	326	1.80	-	27.78	3.59	-
AV	2.3896G	52.87	54.00	-1.13	21.50	3	Vertical	326	1.80	-	27.78	3.59	-
PK	2.4472G	122.64	Inf	-Inf	91.13	3	Vertical	326	1.80	-	27.89	3.62	-
AV	2.428G	110.51	Inf	-Inf	79.04	3	Vertical	326	1.80	-	27.86	3.61	-
PK	2.4868G	67.08	74.00	-6.92	35.32	3	Vertical	326	1.80	-	28.12	3.64	-
AV	2.4868G	53.20	54.00	-0.80	21.44	3	Vertical	326	1.80	-	28.12	3.64	-

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

2437MHz_TX

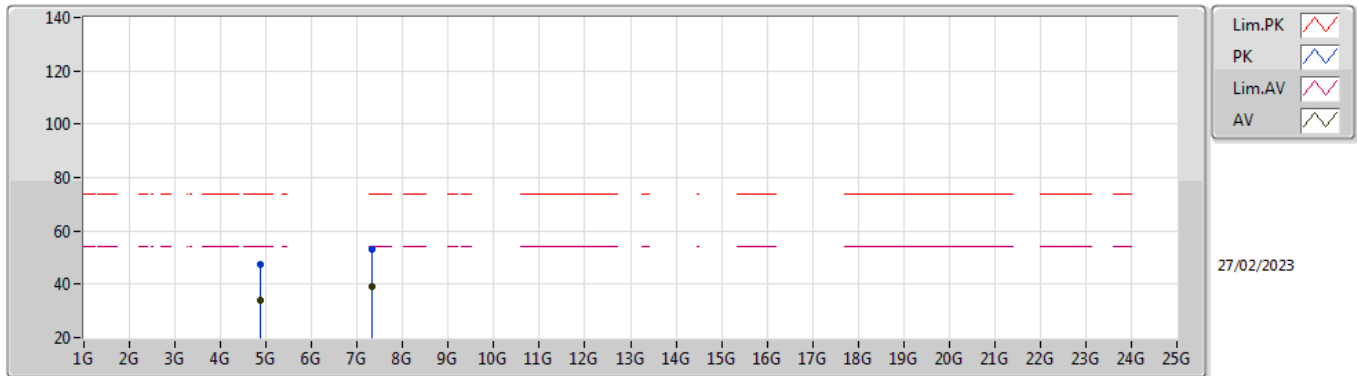


EUT X_2TX
Setting 25
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3872G	59.37	74.00	-14.63	28.01	3	Horizontal	249	1.80	-	27.77	3.59	-
AV	2.3896G	48.03	54.00	-5.97	16.66	3	Horizontal	249	1.80	-	27.78	3.59	-
PK	2.4364G	113.81	Inf	-Inf	82.32	3	Horizontal	249	1.80	-	27.87	3.62	-
AV	2.428G	101.31	Inf	-Inf	69.84	3	Horizontal	249	1.80	-	27.86	3.61	-
PK	2.4856G	61.06	74.00	-12.94	29.31	3	Horizontal	249	1.80	-	28.11	3.64	-
AV	2.4862G	48.92	54.00	-5.08	17.16	3	Horizontal	249	1.80	-	28.12	3.64	-

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

2437MHz_TX

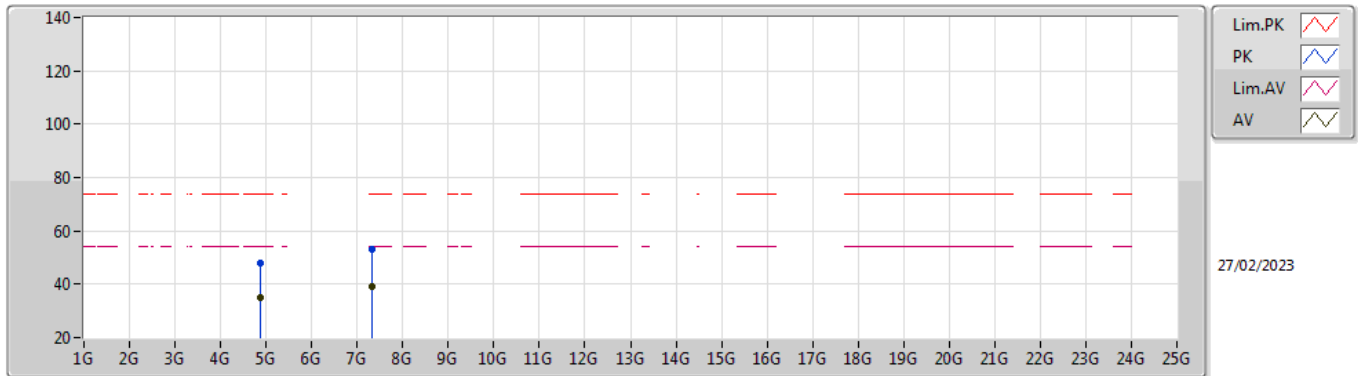


EUT X_2TX
Setting 25
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.86326G	47.46	74.00	-26.54	41.58	3	Vertical	140	2.58	-	33.00	5.76	32.88
AV	4.87382G	34.13	54.00	-19.87	28.24	3	Vertical	140	2.58	-	33.00	5.77	32.88
PK	7.32336G	53.17	74.00	-20.83	41.60	3	Vertical	351	1.00	-	37.60	7.16	33.19
AV	7.32832G	39.28	54.00	-14.72	27.71	3	Vertical	351	1.00	-	37.60	7.16	33.19

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

2437MHz_TX

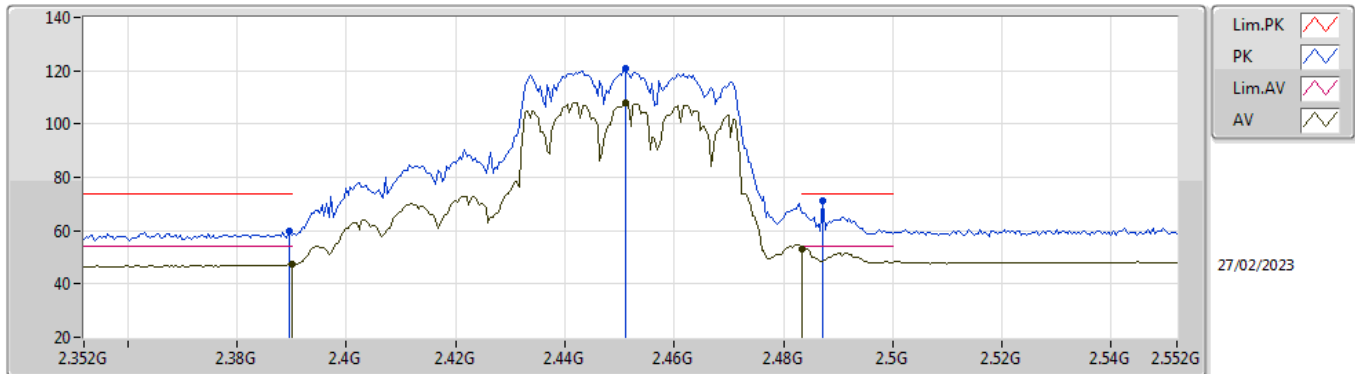


EUT X_2TX
Setting 25
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.88072G	47.92	74.00	-26.08	42.01	3	Horizontal	144	1.50	-	33.00	5.78	32.87
AV	4.874G	34.80	54.00	-19.20	28.91	3	Horizontal	144	1.50	-	33.00	5.77	32.88
PK	7.31904G	53.02	74.00	-20.98	41.45	3	Horizontal	346	2.98	-	37.60	7.16	33.19
AV	7.31576G	39.26	54.00	-14.74	27.68	3	Horizontal	346	2.98	-	37.60	7.16	33.18

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

2452MHz_TX

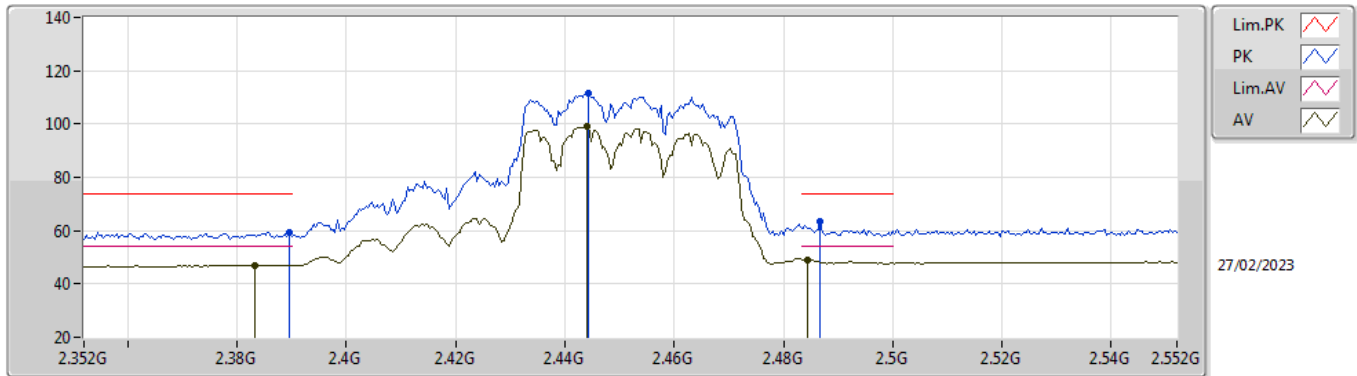


EUT X_2TX
Setting 23
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	59.62	74.00	-14.38	28.25	3	Vertical	324	2.33	-	27.78	3.59	-
AV	2.39G	47.33	54.00	-6.67	15.96	3	Vertical	324	2.33	-	27.78	3.59	-
PK	2.4512G	120.96	Inf	-Inf	89.42	3	Vertical	324	2.33	-	27.91	3.63	-
AV	2.4512G	108.10	Inf	-Inf	76.56	3	Vertical	324	2.33	-	27.91	3.63	-
PK	2.4872G	71.08	74.00	-2.92	39.32	3	Vertical	324	2.33	-	28.12	3.64	-
AV	2.4835G	53.19	54.00	-0.81	21.45	3	Vertical	324	2.33	-	28.10	3.64	-

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

2452MHz_TX

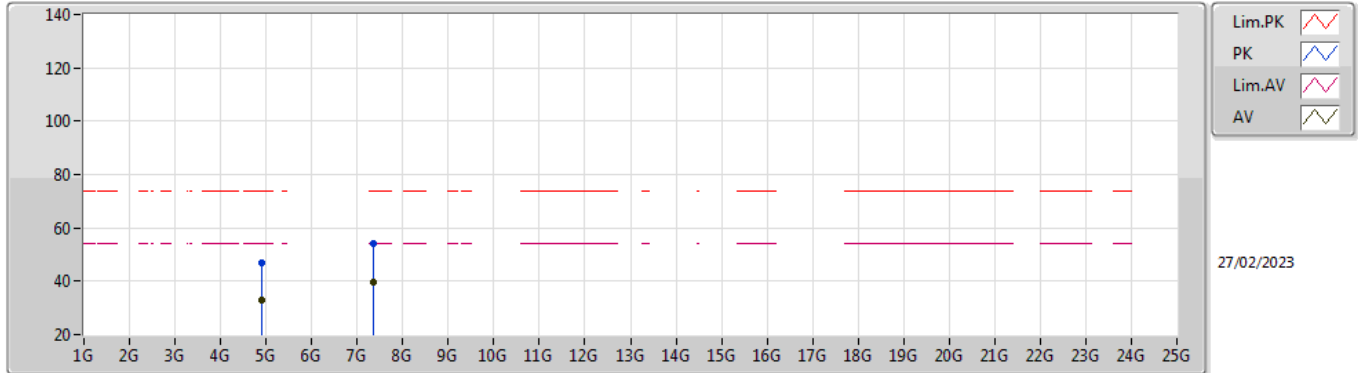


EUT X_2TX
Setting 23
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	59.50	74.00	-14.50	28.13	3	Horizontal	246	1.33	-	27.78	3.59	-
AV	2.3832G	46.94	54.00	-7.06	15.59	3	Horizontal	246	1.33	-	27.77	3.58	-
PK	2.4444G	111.42	Inf	-Inf	79.91	3	Horizontal	246	1.33	-	27.89	3.62	-
AV	2.444G	99.22	Inf	-Inf	67.71	3	Horizontal	246	1.33	-	27.89	3.62	-
PK	2.4868G	63.39	74.00	-10.61	31.63	3	Horizontal	246	1.33	-	28.12	3.64	-
AV	2.4844G	49.16	54.00	-4.84	17.41	3	Horizontal	246	1.33	-	28.11	3.64	-

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

2452MHz_TX

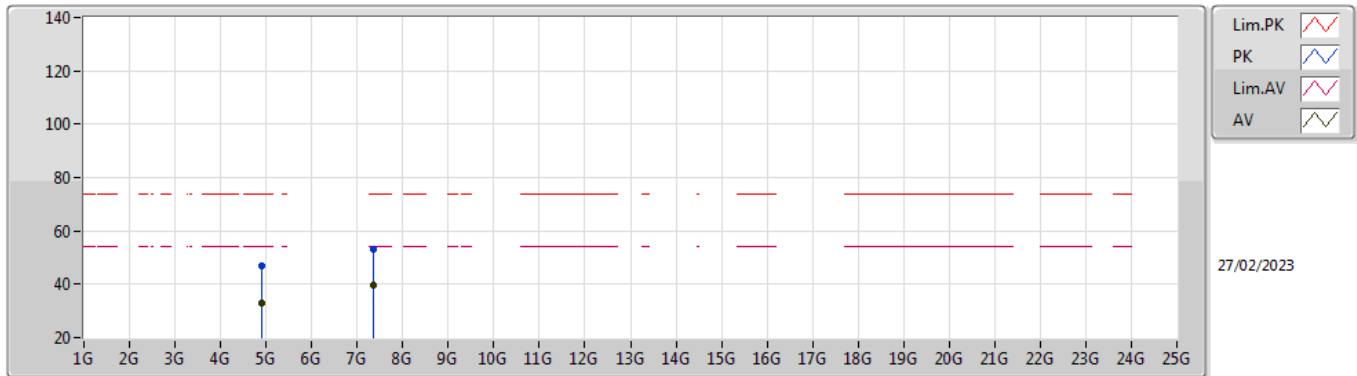


EUT X_2TX
Setting 23
01-B-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90852G	46.76	74.00	-27.24	40.82	3	Vertical	47	1.80	-	33.00	5.81	32.87
AV	4.9045G	32.92	54.00	-21.08	26.99	3	Vertical	47	1.80	-	33.00	5.80	32.87
PK	7.35962G	54.29	74.00	-19.71	42.74	3	Vertical	244	1.97	-	37.58	7.18	33.21
AV	7.35526G	39.43	54.00	-14.57	27.86	3	Vertical	244	1.97	-	37.59	7.18	33.20

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

2452MHz_TX



EUT X_2TX
Setting 23
01-B-E-5

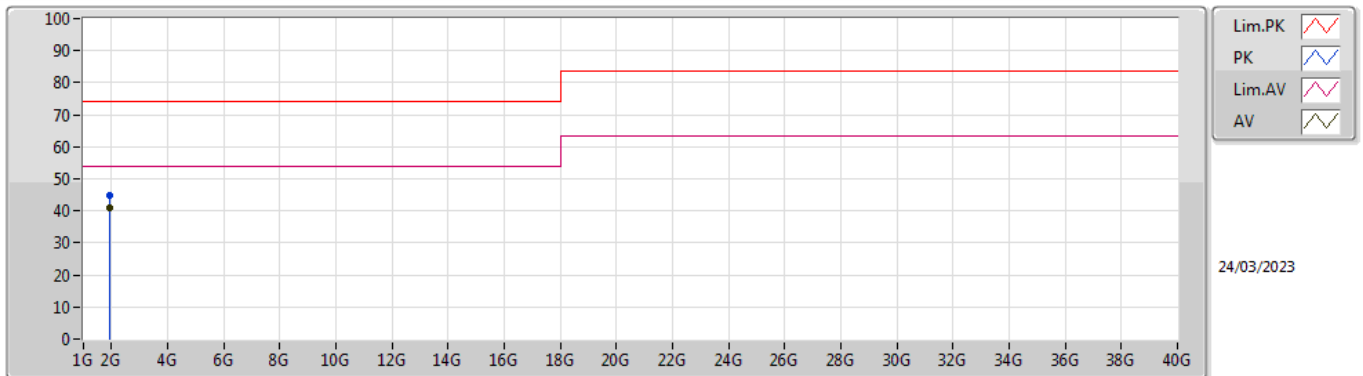
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90328G	46.88	74.00	-27.12	40.95	3	Horizontal	61	1.10	-	33.00	5.80	32.87
AV	4.90282G	33.01	54.00	-20.99	27.08	3	Horizontal	61	1.10	-	33.00	5.80	32.87
PK	7.35376G	52.89	74.00	-21.11	41.32	3	Horizontal	68	1.64	-	37.59	7.18	33.20
AV	7.35738G	39.50	54.00	-14.50	27.94	3	Horizontal	68	1.64	-	37.59	7.18	33.21



Summary

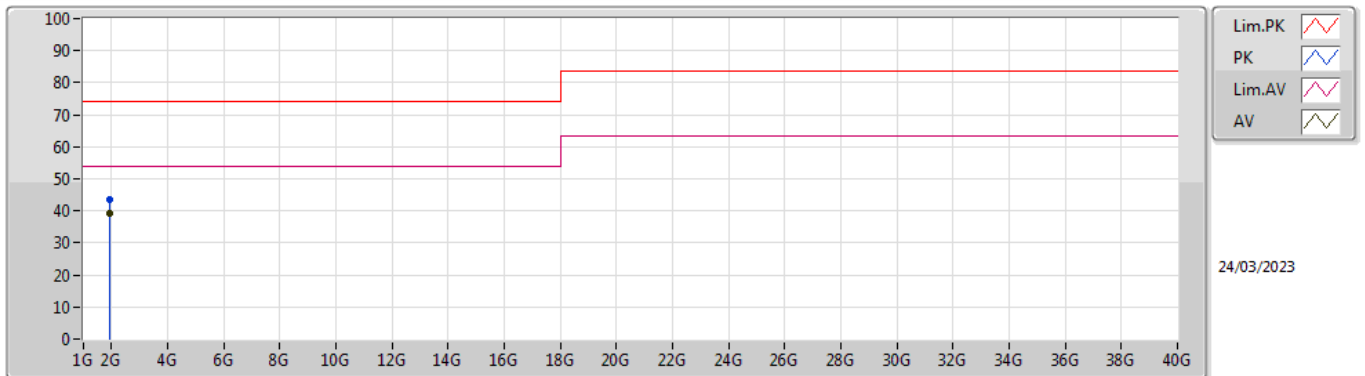
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.92002G	40.97	54.00	-13.03	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.92005G	44.63	74.00	-29.37	-4.33	3	Vertical	13.2	114	-	48.96	25.78	4.43	34.54
AV	1.92002G	40.97	54.00	-13.03	-4.33	3	Vertical	13.2	114	"Worst"	45.30	25.78	4.43	34.54

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.91986G	43.71	74.00	-30.29	-4.33	3	Horizontal	0	253.1	-	48.04	25.78	4.43	34.54
AV	1.92001G	39.35	54.00	-14.65	-4.33	3	Horizontal	0	253.1	"Worst"	43.68	25.78	4.43	34.54