



RADIO TEST REPORT

FCC ID : 2ABLKU4HM
Equipment : GigaSpire BLAST
Brand Name : Calix
Model Name : u4hm GM1028H
Applicant : Calix Inc.
1035 N. McDowell Blvd. Petaluma, CA94954 U.S.A.
Standard : 47 CFR FCC Part 15.247

The product was received on Oct. 18, 2022, and testing was started from Jan. 03, 2023 and completed on Mar. 13, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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TEL : 886-3-656-9065
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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: Vicky Huang



1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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

**1.1.2 Antenna Information**

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	Walsin	RFDPA250505IMAB901	Dipole Antenna	I-PEX	Note
2	2	Walsin	RFDPA250511IMAB901	Dipole Antenna	I-PEX	
3	1	Walsin	RFPCA610706IM5B901	Dipole Antenna	I-PEX	
4	2	Walsin	RFPCA610706IM5B902	Dipole Antenna	I-PEX	

Note1:

Ant.	Gain (dBi)		
	2.4GHz	2.45GHz	2.4835GHz
1	1.93	2.73	2.52
2	2.72	2.14	1.14
Directional Gain (dBi) (2T1S)	4.13	4.42	4.29
Directional Gain (dBi) (2T2S)	2.72	2.73	2.52

Ant.	Gain (dBi)			
	5GHz U-NII 1	5GHz U-NII 2A	5GHz U-NII 2C	5GHz U-NII 3
3	4.88	4.03	3.57	3.52
4	3.36	4.2	4.57	5.31
Directional Gain (dBi) (2T1S)	7.11	7.07	6.25	6.77
Directional Gain (dBi) (2T2S)	4.88	4.2	4.57	5.31

Note2: The above information was declared by manufacturer.

Note3: The antenna gain and directional gain are measured which follow the procedure of KDB 662911 D03

For 2.4GHz function:**For IEEE 802.11b/g/n/VHT/ax (2TX/2RX):**

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:**For IEEE 802.11a/n/ac/ax (2TX/2RX):**

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

Port 1 and Port 2 could transmit/receive simultaneously.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.933	0.3	17.99m	100
802.11g	0.964	0.16	1.977m	1k
802.11ax HEW20	0.801	0.96	5.45m	300
802.11ax HEW20-BF	0.914	0.39	1.766m	1k
802.11ax HEW40	0.801	0.96	5.45m	300
802.11ax HEW40-BF	0.935	0.29	1.766m	1k

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter or PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 11n/VHT/11ax in 2.4GHz, 11n/11ac/11ax in 5GHz.			
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.

1.1.5 Table for EUT Support Function

Function
AP Router
Bridge
Extender

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

Note2: The above information was declared by manufacturer



1.2 Applicable Standards

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

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

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

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 662911 D03 v01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	24.1-25.3 / 57-66	Jan. 31, 2023~ Feb. 01, 2023
Radiated (Below 1GHz)	03CH05-CB	Stim Sung	22.2~23 / 56~61	Jan. 12, 2023~ Mar. 13, 2023
Radiated (Above 1GHz)	03CH03-CB	Stim Sung	21.2~22.1 / 64~66	Jan. 12, 2023~ Mar. 13, 2023
	03CH04-CB	Stim Sung	22.3~24 / 58~60	Jan. 12, 2023~ Mar. 13, 2023
AC Conduction	CO01-CB	Tim Chen	21~22 / 63~64	Jan. 03, 2023~ Mar. 06, 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

For non-beamforming mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	25.5
2437MHz	26.5
2462MHz	25
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	22.5
2437MHz	24.5
2457MHz	22.5
2462MHz	21
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	23
2437MHz	25.5
2457MHz	23.5
2462MHz	22.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	19
2427MHz	21.5
2437MHz	22
2447MHz	18
2452MHz	18

**For beamforming mode**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	25
2417MHz	25
2437MHz	28
2457MHz	25
2462MHz	25
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	21
2427MHz	23
2437MHz	25
2447MHz	21
2452MHz	20

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.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT-AP Router mode + Adapter
2	EUT-AP Router mode + PoE
For operating mode 2 is the worst case and it was record in this test report.	

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

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



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.: FA2D1242 for Co-location RF Exposure Evaluation.	

Note: The PoE is for measurement only and would not be marketed. Their information is showed as below:

Equipment	Brand	Model
PoE	PHIHONG	POEA30U-1AT-2

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Client and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	AMIGO	AMS157-1203000F3U	Input: 100-240V~50/60Hz, 1A Output: 12V, 3.0A
Others			
Ground cable*1: Non-shielded, 0.3m			
Wall mount bracket*1			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	PHIHONG	POEA30U-1AT-2	N/A
B	2.4G NB	DELL	PP13S	N/A
C	5G NB	DELL	PP13S	N/A
D	LAN NB	DELL	PP13S	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	PHIHONG	POEA30U-1AT-2	N/A

For Radiated (above 1GHz):

For non-beamforming mode

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	PHIHONG	POEA30U-1AT-2	N/A

**For beamforming mode**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	PHIHONG	POEA30U-1AT-2	N/A
C	Client	Alphanetworks	u4hm GM1028H	N/A
D	NB	DELL	E4300	N/A

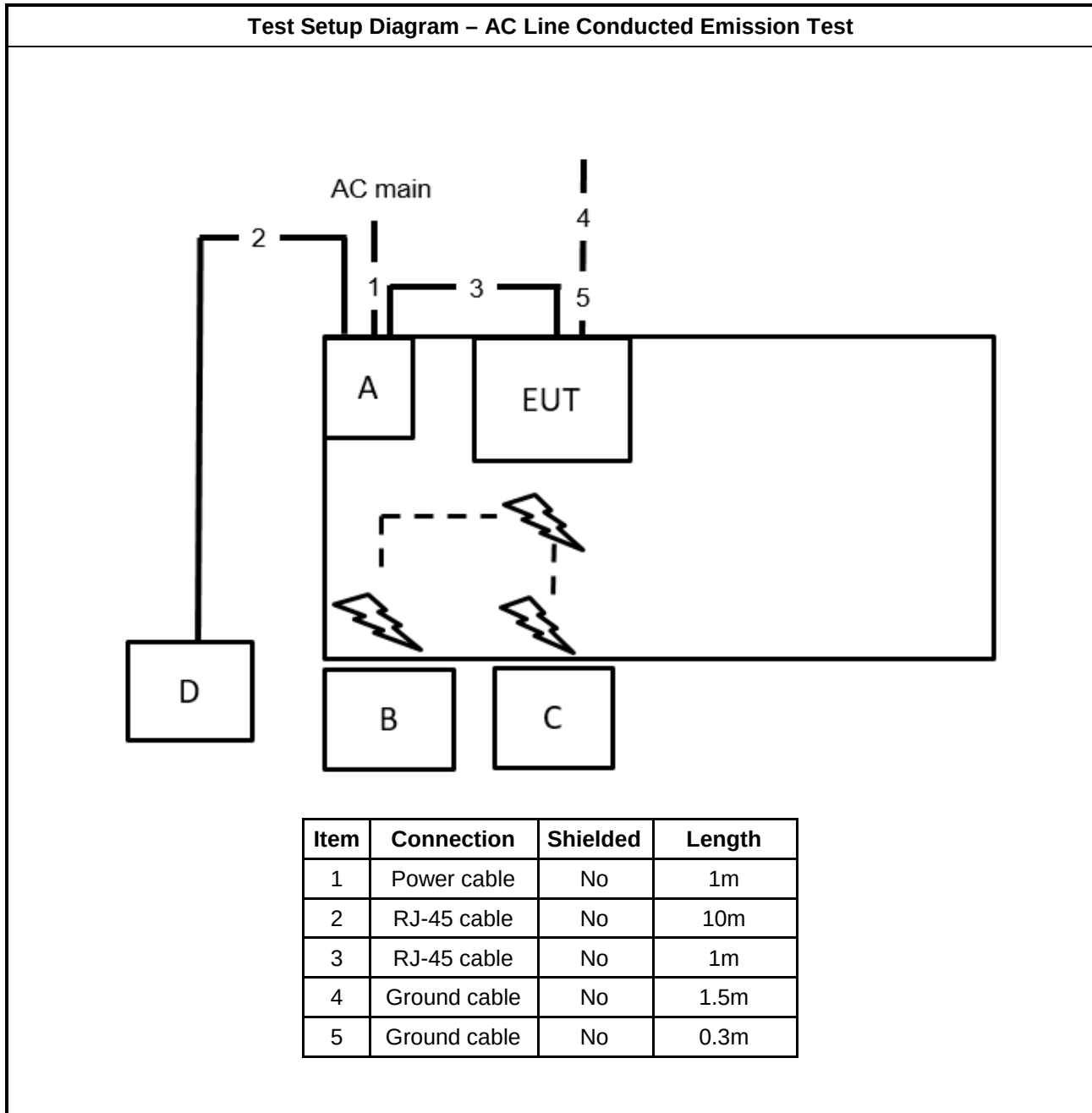
For RF Conducted:**For non-beamforming mode**

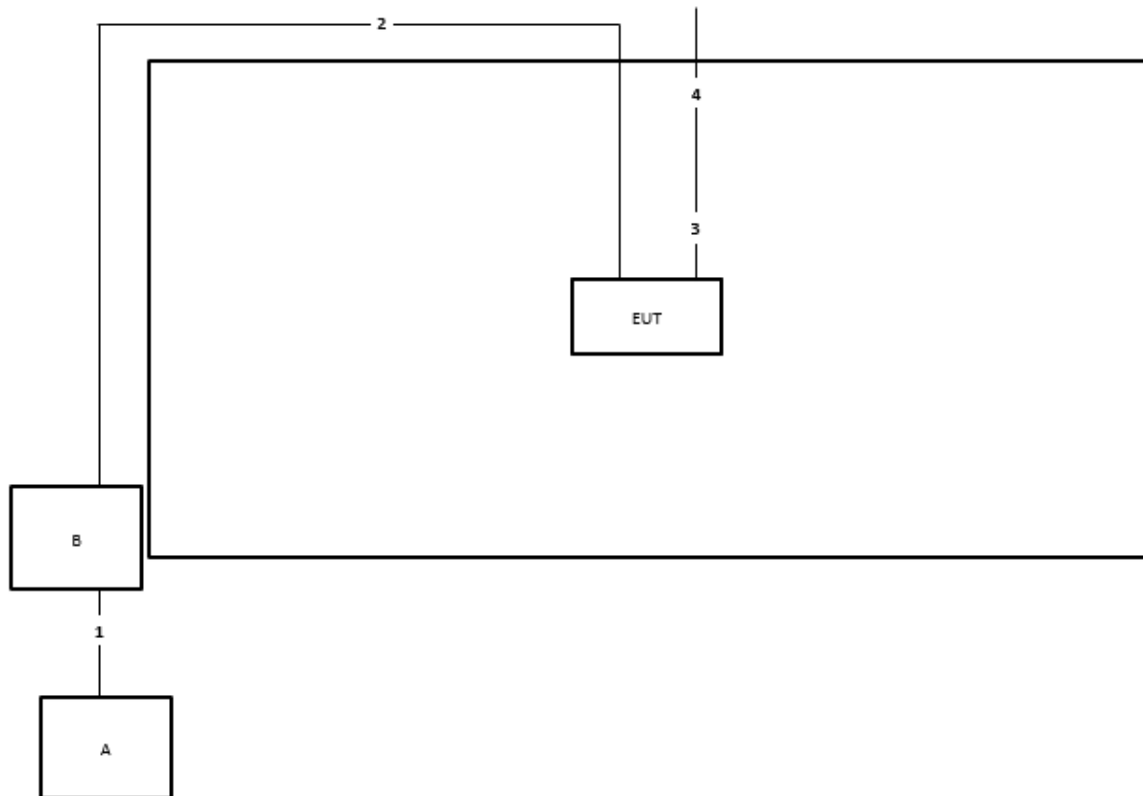
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

For beamforming mode

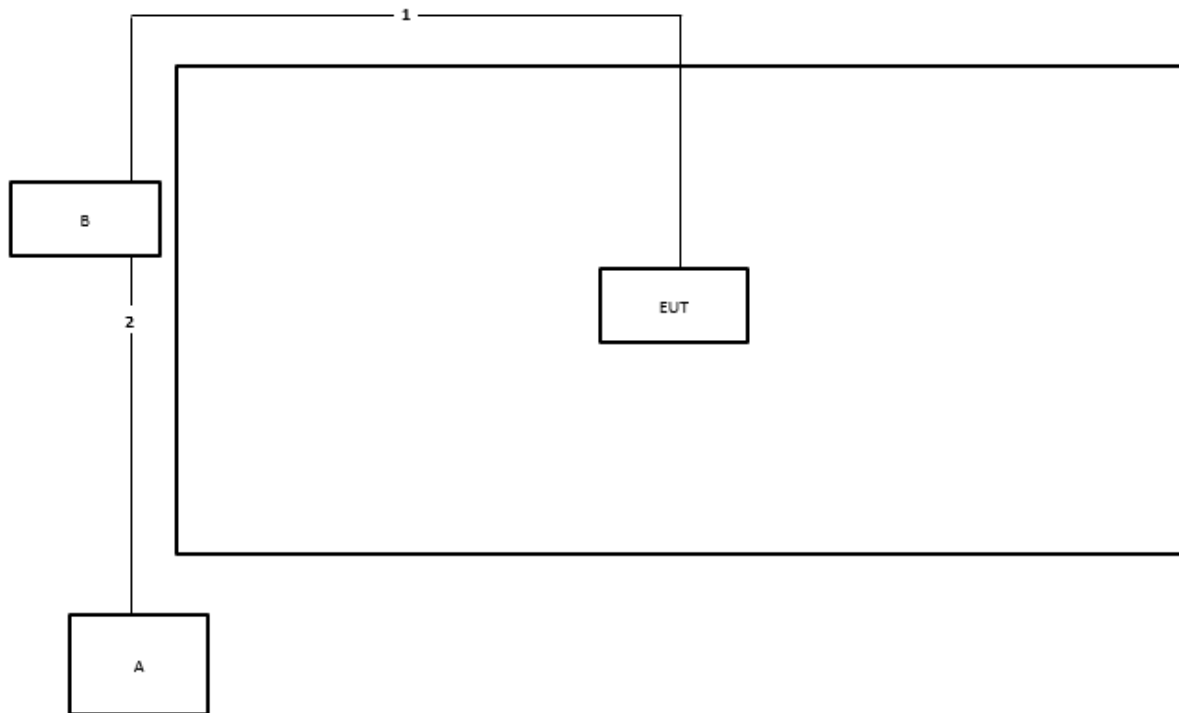
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	Client	Alphanetworks	u4hm GM1028H	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


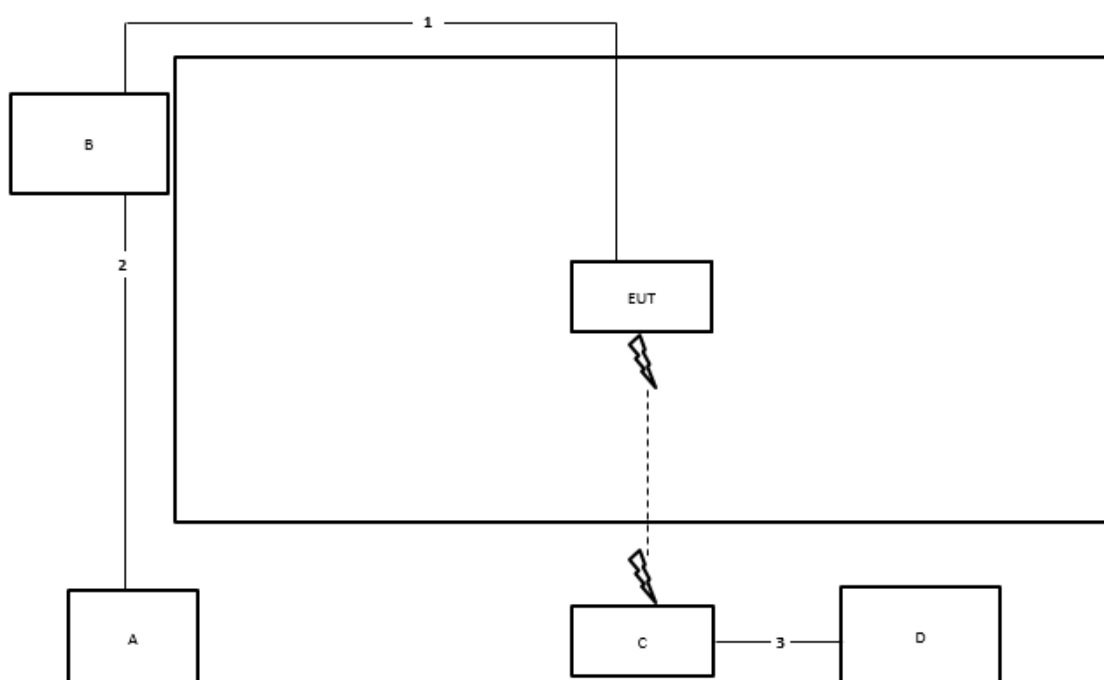
Item	Connection	Shielded	Length
1	RJ-45 cable	No	1m
2	RJ-45 cable	No	10m
3	Ground cable	No	0.3m
4	Ground cable	No	1m

Test Setup Diagram - Radiated Test > 1GHz
For non-beamforming mode


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

Test Setup Diagram - Radiated Test > 1GHz

For beamforming mode



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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

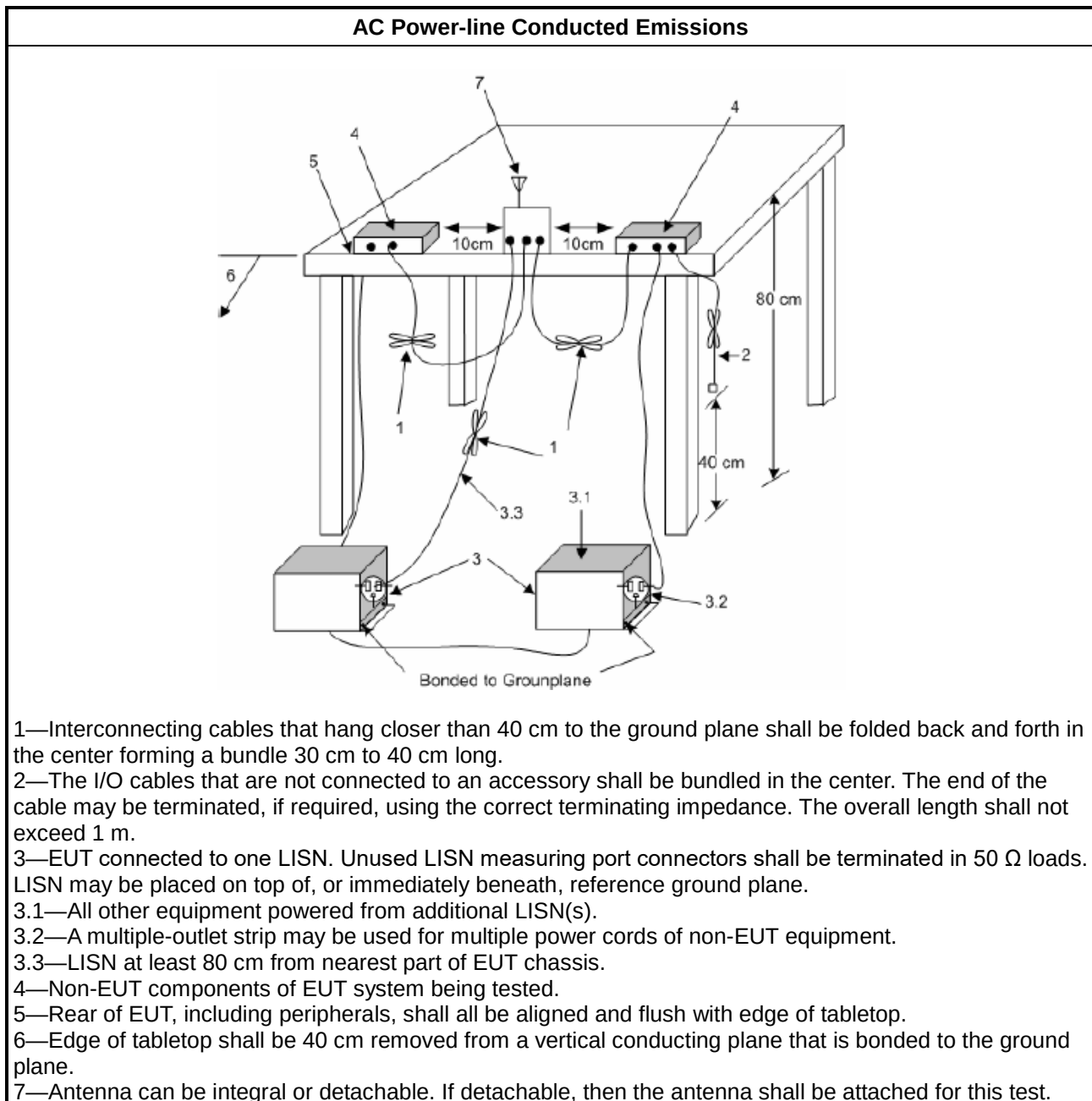
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
6 dB bandwidth $\geq$ 500 kHz.

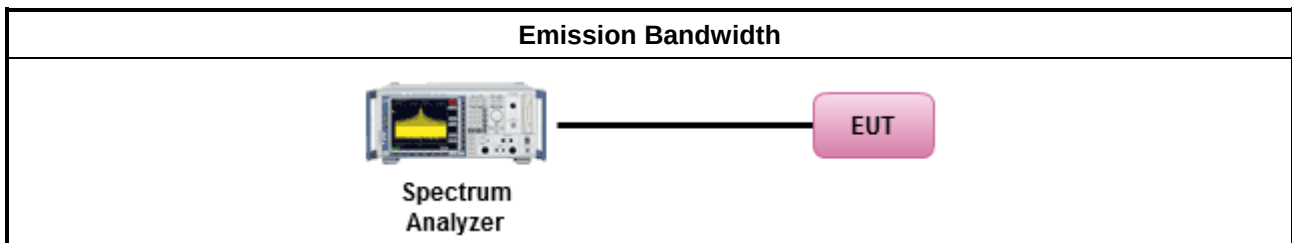
3.2.2 Measuring Instruments

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.	

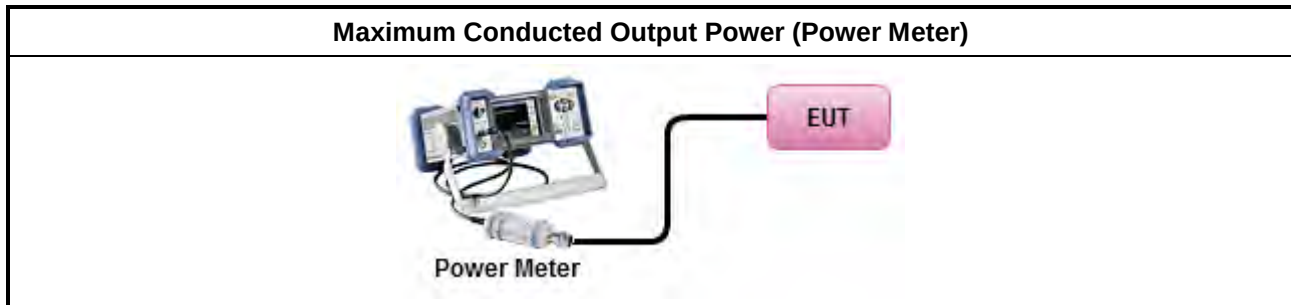
3.3.2 Measuring Instruments

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

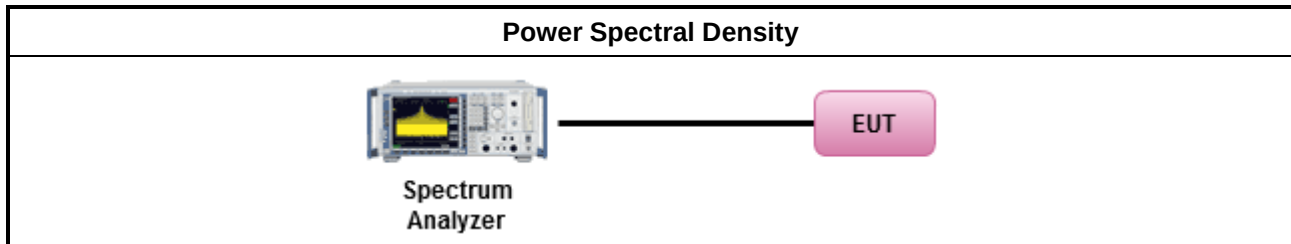
3.4.2 Measuring Instruments

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.	

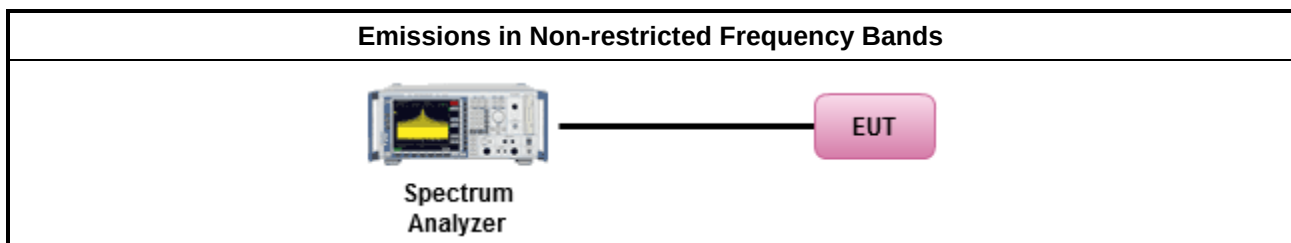
3.5.2 Measuring Instruments

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.

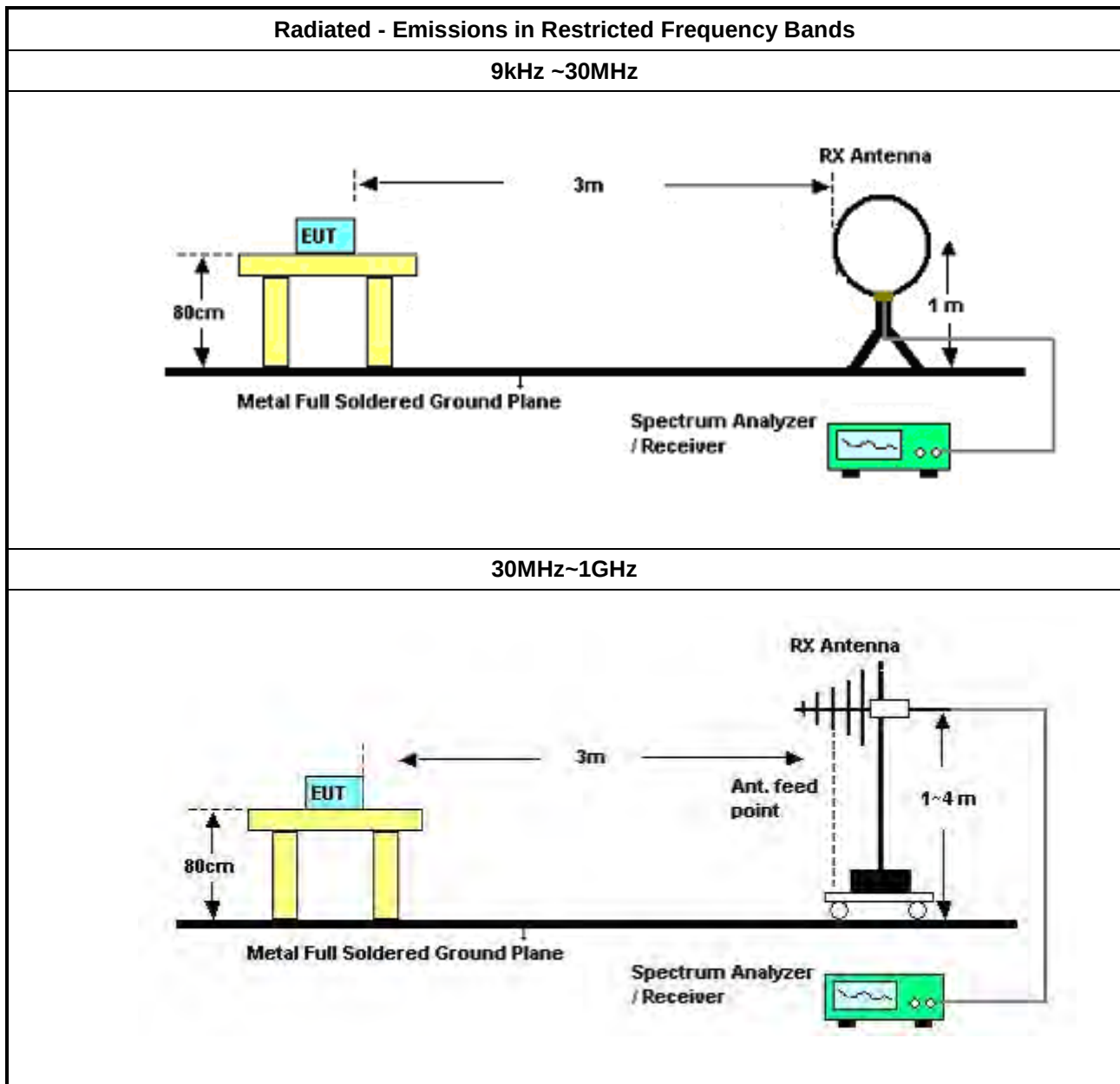
3.6.2 Measuring Instruments

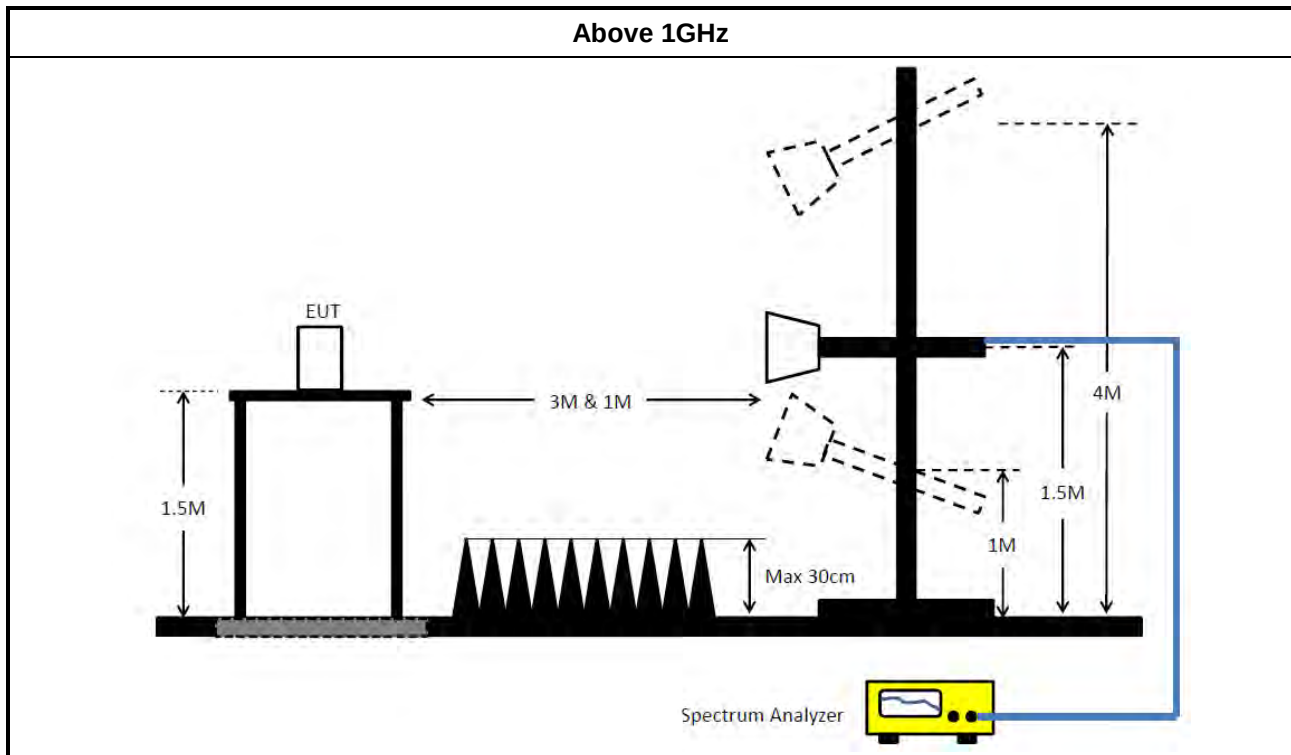
Refer a test equipment and calibration data table in this test report.

**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. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
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. 10, 2022	Feb. 09, 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)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 03, 2022	Aug. 02, 2023	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 05, 2022	May 04, 2023	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jun. 23, 2022	Jun. 22, 2023	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 10, 2022	Jun. 09, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 23, 2023	Feb. 22, 2024	Radiation (03CH04-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Oct. 12, 2022	Oct. 11, 2023	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 30, 2022	Dec. 29, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 04, 2022	Sep. 03, 2023	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 04, 2022	Sep. 03, 2023	Conducted (TH03-CB)

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Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.



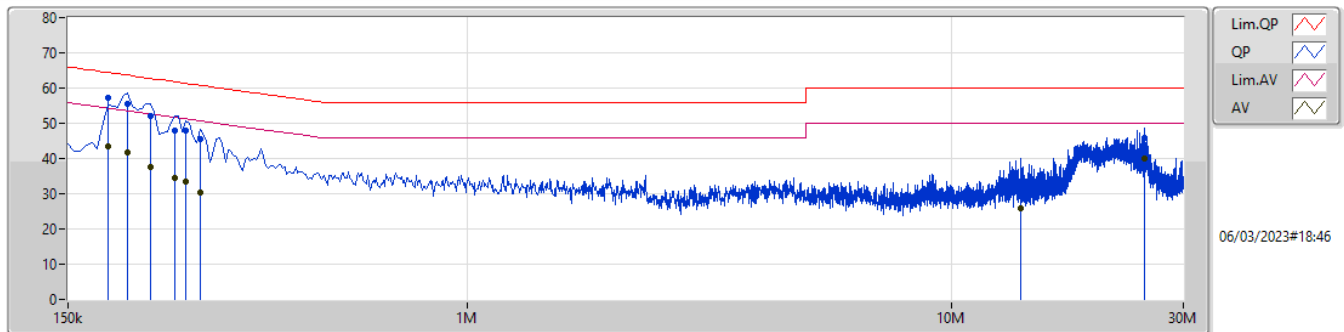
Conducted Emissions at Powerline

Appendix A

Summary

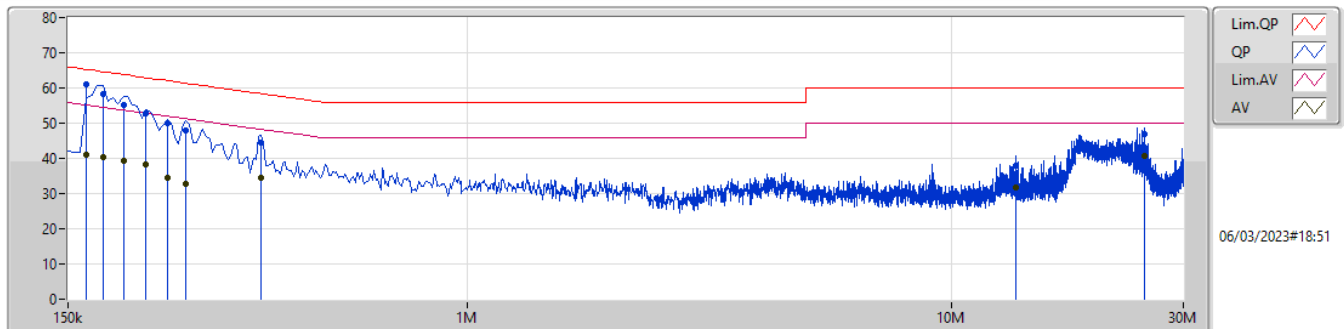
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	QP	163.5k	61.05	65.27	-4.22	Neutral

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	181.5k	57.11	64.41	-7.30	9.96	Line	"Worst"	47.15	0.06	0.04	9.86						
AV	181.5k	43.57	54.41	-10.84	9.96	Line	-	33.61	0.06	0.04	9.86						
QP	199.5k	55.53	63.63	-8.10	9.96	Line	-	45.57	0.06	0.04	9.86						
AV	199.5k	41.66	53.63	-11.97	9.96	Line	-	31.70	0.06	0.04	9.86						
QP	222k	52.14	62.75	-10.61	9.97	Line	-	42.17	0.06	0.04	9.87						
AV	222k	37.55	52.75	-15.20	9.97	Line	-	27.58	0.06	0.04	9.87						
QP	249k	47.91	61.79	-13.88	9.98	Line	-	37.93	0.06	0.05	9.87						
AV	249k	34.65	51.79	-17.14	9.98	Line	-	24.67	0.06	0.05	9.87						
QP	262.5k	47.94	61.35	-13.41	9.99	Line	-	37.95	0.06	0.05	9.88						
AV	262.5k	33.38	51.35	-17.97	9.99	Line	-	23.39	0.06	0.05	9.88						
QP	280.5k	45.41	60.80	-15.39	9.99	Line	-	35.42	0.06	0.05	9.88						
AV	280.5k	30.47	50.80	-20.33	9.99	Line	-	20.48	0.06	0.05	9.88						
QP	13.88M	31.21	60.00	-28.79	10.40	Line	-	20.81	0.26	0.17	9.97						
AV	13.88M	25.77	50.00	-24.23	10.40	Line	-	15.37	0.26	0.17	9.97						
QP	24.905M	46.01	60.00	-13.99	10.68	Line	-	35.33	0.35	0.28	10.05						
AV	24.905M	40.08	50.00	-9.92	10.68	Line	-	29.40	0.35	0.28	10.05						

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	163.5k	61.05	65.27	-4.22	9.98	Neutral	"Worst"	51.07	0.07	0.04	9.87						
AV	163.5k	41.17	55.27	-14.10	9.98	Neutral	-	31.19	0.07	0.04	9.87						
QP	177k	58.29	64.62	-6.33	9.98	Neutral	-	48.31	0.07	0.04	9.87						
AV	177k	40.26	54.62	-14.36	9.98	Neutral	-	30.28	0.07	0.04	9.87						
QP	195k	55.11	63.82	-8.71	9.97	Neutral	-	45.14	0.07	0.04	9.86						
AV	195k	39.23	53.82	-14.59	9.97	Neutral	-	29.26	0.07	0.04	9.86						
QP	217.5k	52.71	62.92	-10.21	9.97	Neutral	-	42.74	0.07	0.04	9.86						
AV	217.5k	38.17	52.92	-14.75	9.97	Neutral	-	28.20	0.07	0.04	9.86						
QP	240k	50.09	62.10	-12.01	9.99	Neutral	-	40.10	0.07	0.05	9.87						
AV	240k	34.37	52.10	-17.73	9.99	Neutral	-	24.38	0.07	0.05	9.87						
QP	262.5k	47.87	61.35	-13.48	10.00	Neutral	-	37.87	0.07	0.05	9.88						
AV	262.5k	32.93	51.35	-18.42	10.00	Neutral	-	22.93	0.07	0.05	9.88						
QP	375k	44.42	58.39	-13.97	10.03	Neutral	-	34.39	0.07	0.06	9.90						
AV	375k	34.43	48.39	-13.96	10.03	Neutral	-	24.40	0.07	0.06	9.90						
QP	13.56M	37.90	60.00	-22.10	10.41	Neutral	-	27.49	0.27	0.17	9.97						
AV	13.56M	31.70	50.00	-18.30	10.41	Neutral	-	21.29	0.27	0.17	9.97						
QP	24.905M	46.83	60.00	-13.17	10.64	Neutral	-	36.19	0.31	0.28	10.05						
AV	24.905M	40.85	50.00	-9.15	10.64	Neutral	-	30.21	0.31	0.28	10.05						



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	7.125M	12.986M	13M0G1D	7.1M	12.638M
802.11g_Nss1,(6Mbps)_2TX	16.3M	16.418M	16M4D1D	15.625M	16.376M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.1M	18.929M	18M9D1D	16.75M	18.88M
802.11ax HEW40_Nss1,(MCS0)_2TX	38.1M	37.76M	37M8D1D	36.25M	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	7.1M	12.928M	7.1M	12.87M
2437MHz	Pass	500k	7.1M	12.826M	7.1M	12.638M
2462MHz	Pass	500k	7.1M	12.986M	7.125M	12.928M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.275M	16.418M	16M	16.418M
2437MHz	Pass	500k	16.025M	16.397M	15.625M	16.418M
2462MHz	Pass	500k	16.3M	16.376M	16.275M	16.397M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.05M	18.929M	17.025M	18.929M
2437MHz	Pass	500k	18.1M	18.88M	17.775M	18.88M
2462MHz	Pass	500k	16.75M	18.905M	18.1M	18.88M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	38.1M	37.711M	36.9M	37.76M
2437MHz	Pass	500k	37.5M	37.662M	37.85M	37.711M
2452MHz	Pass	500k	36.25M	37.711M	37.6M	37.662M

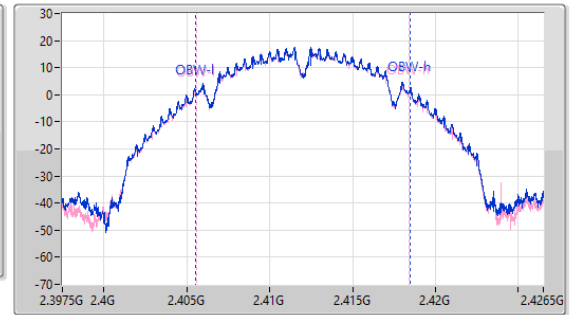
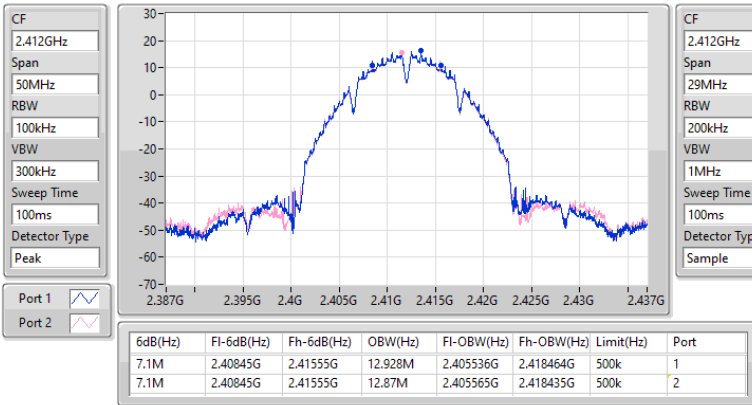
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

2412MHz

EBW

31/01/2023

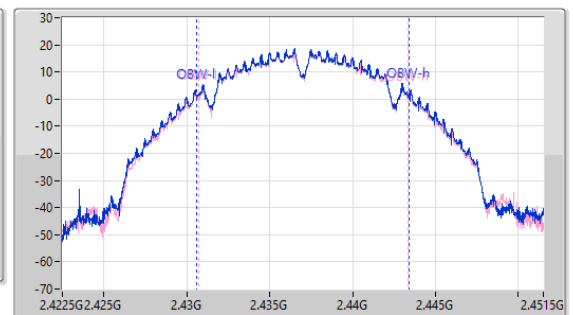
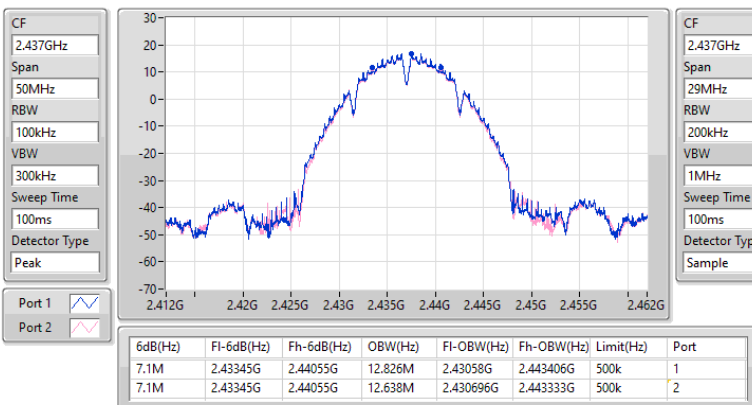


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz

EBW

31/01/2023

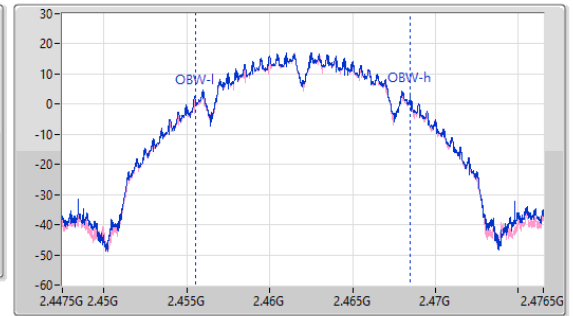
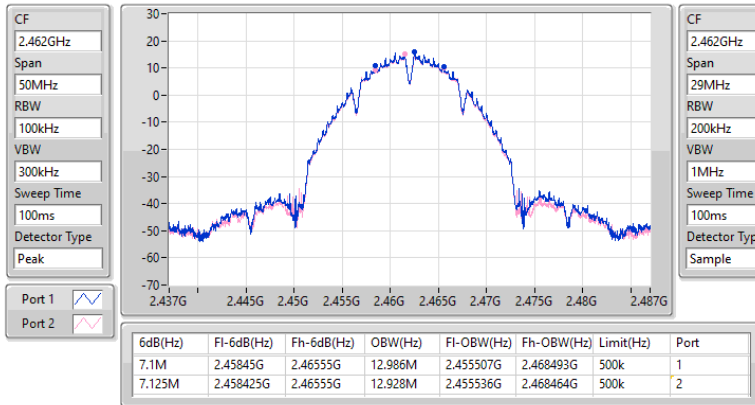


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz

EBW

31/01/2023

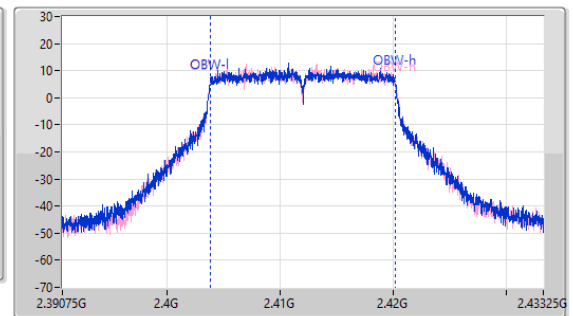
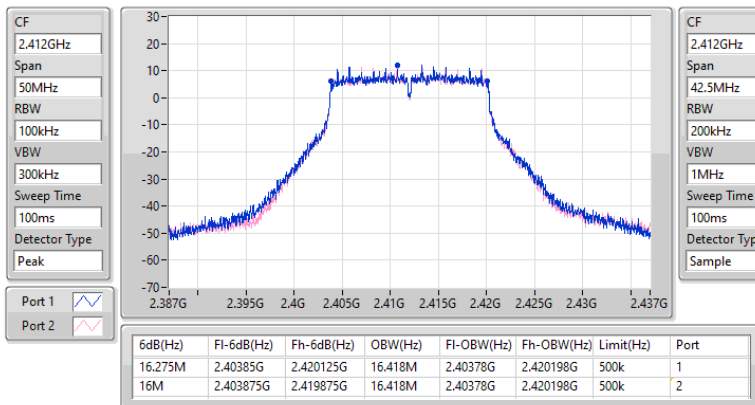


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz

EBW

31/01/2023

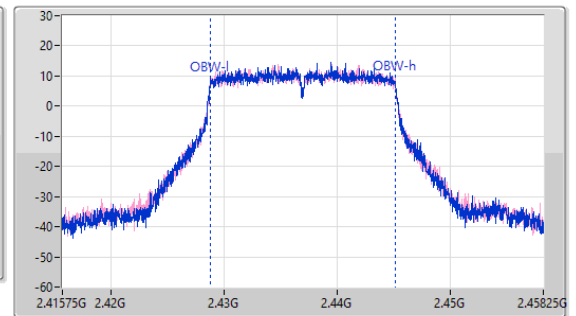
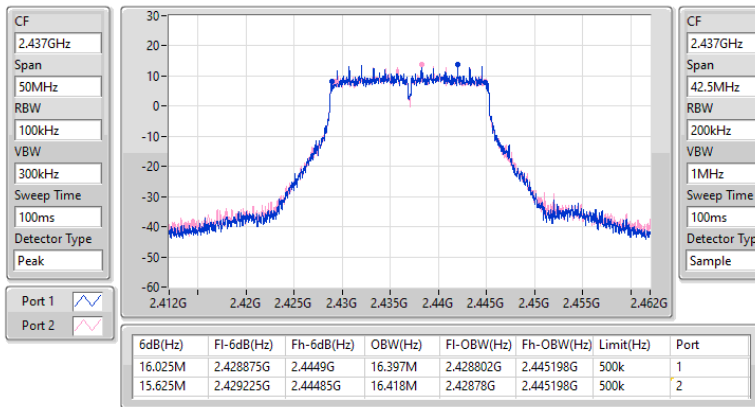


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

31/01/2023

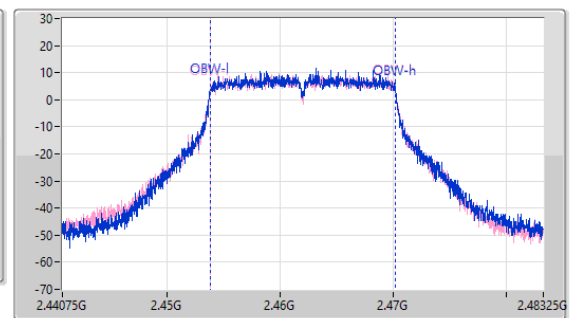
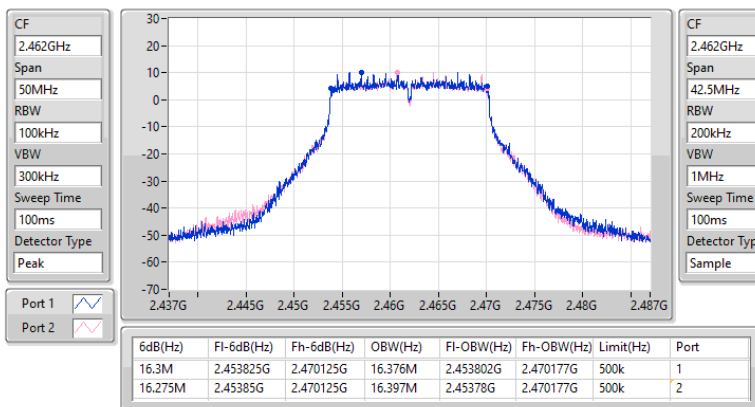


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

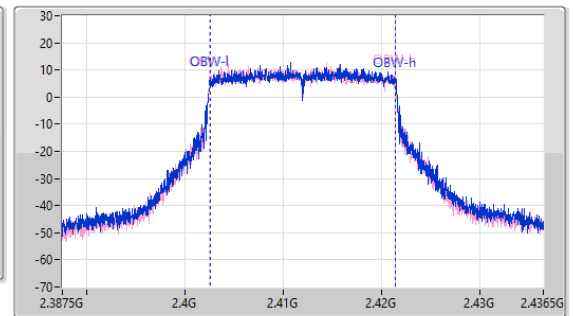
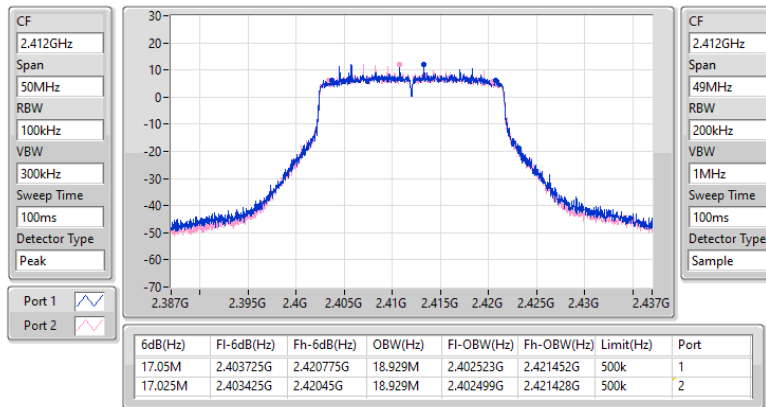
31/01/2023



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

EBW

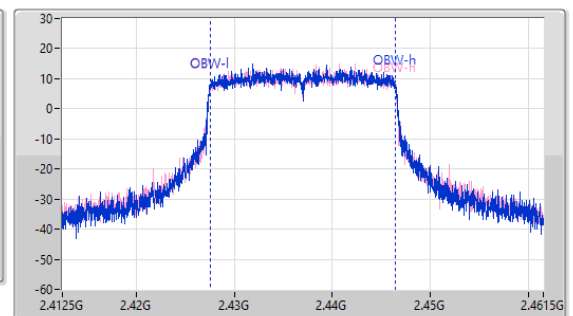
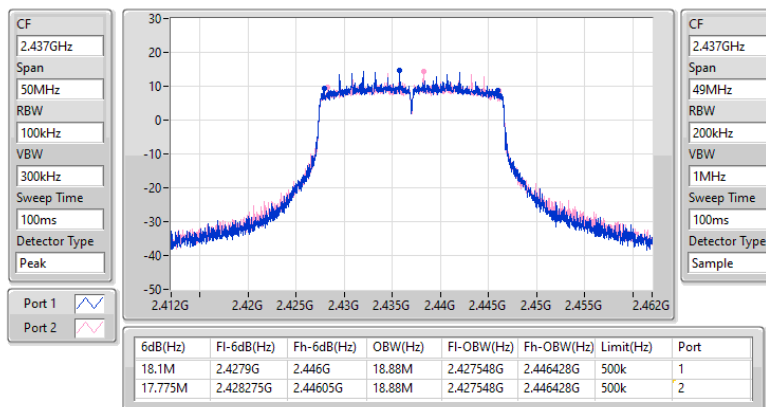
31/01/2023



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

EBW

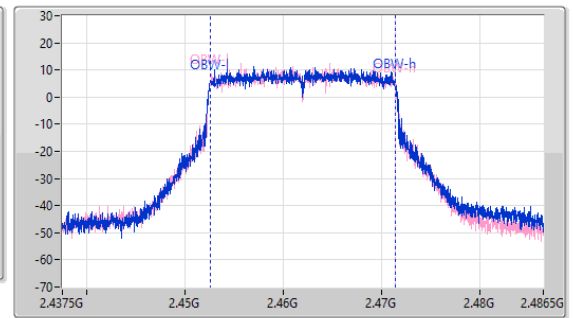
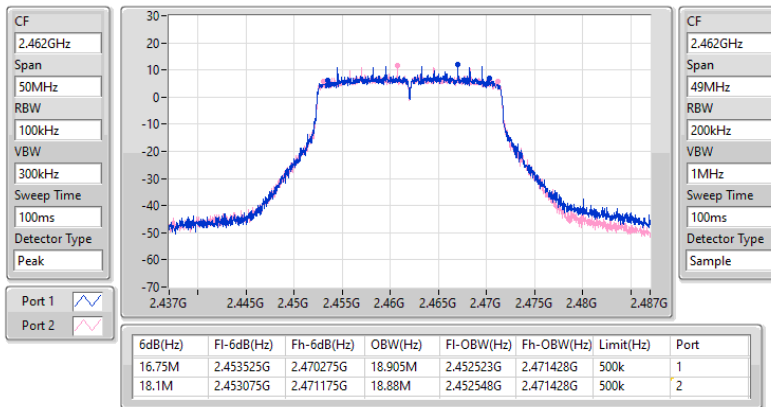
31/01/2023



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

EBW

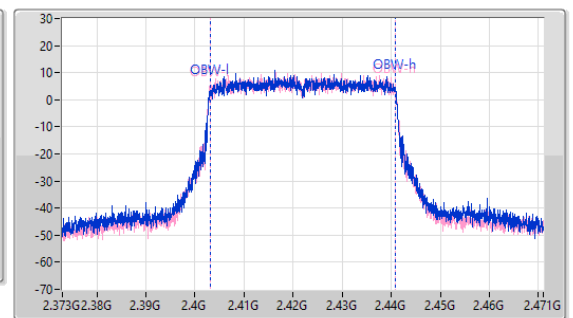
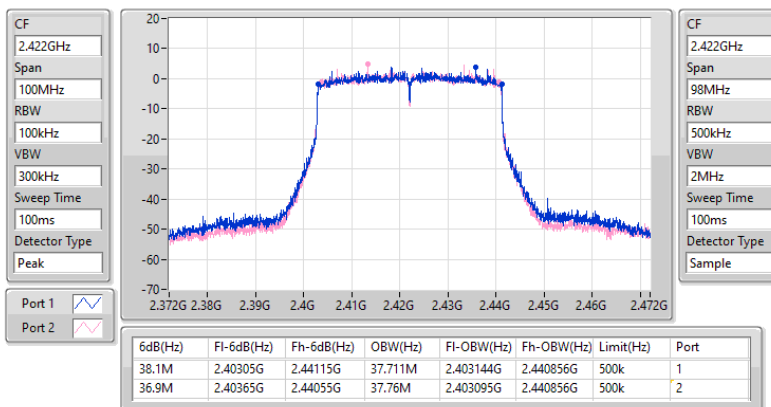
31/01/2023



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

EBW

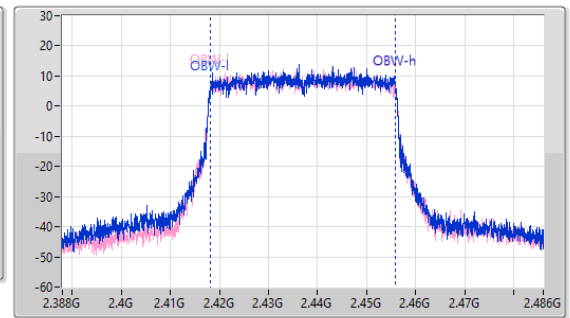
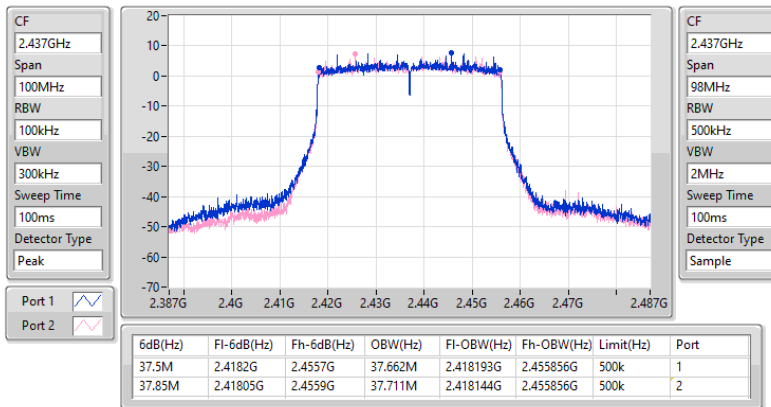
31/01/2023



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

EBW

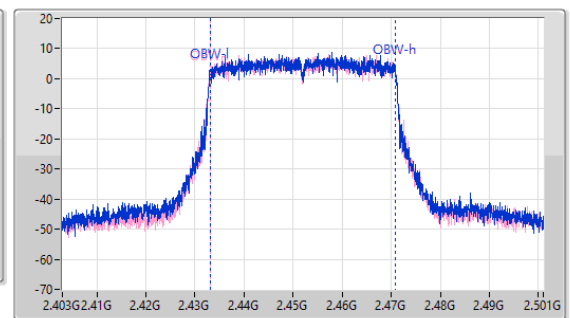
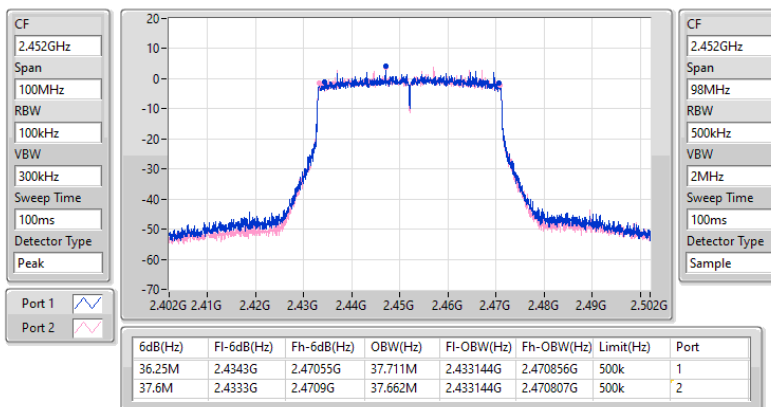
31/01/2023



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

EBW

31/01/2023





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.7M	18.929M	18M9D1D	13.8M	18.856M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	35.6M	37.858M	37M9D1D	28.6M	37.613M

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**

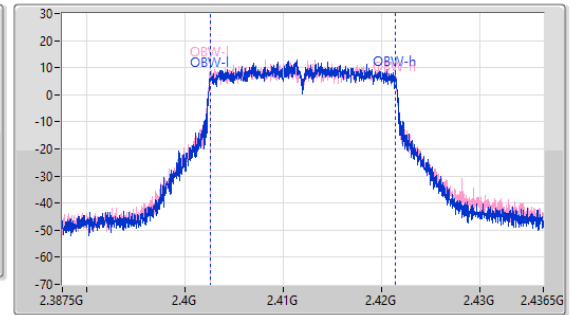
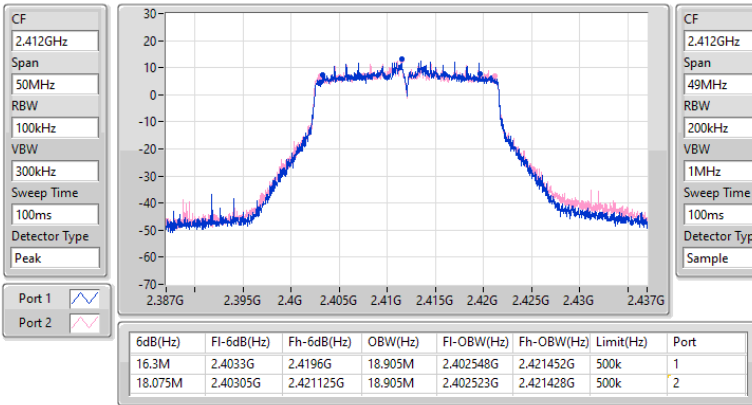
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	18.905M	18.075M	18.905M
2437MHz	Pass	500k	13.8M	18.856M	18.7M	18.929M
2462MHz	Pass	500k	17.7M	18.856M	18.2M	18.929M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	28.6M	37.711M	35.6M	37.613M
2437MHz	Pass	500k	30M	37.711M	32.5M	37.711M
2452MHz	Pass	500k	30.25M	37.76M	33.8M	37.858M

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

2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX 2412MHz

EBW

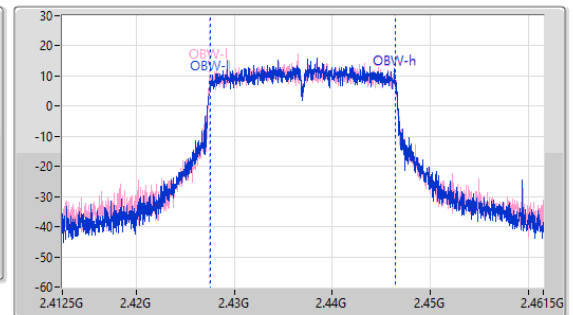
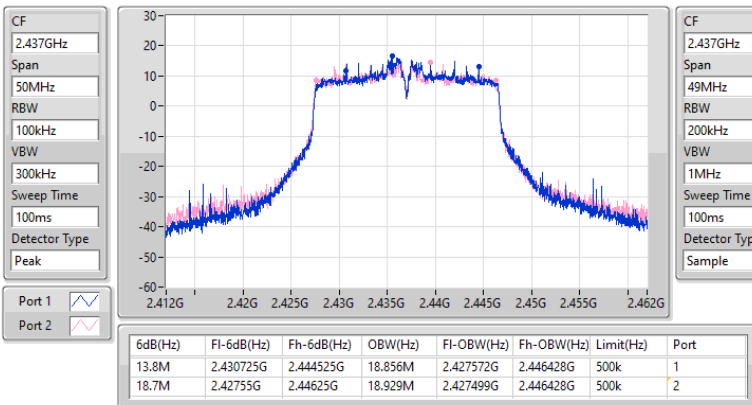
01/03/2023



2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX 2437MHz

EBW

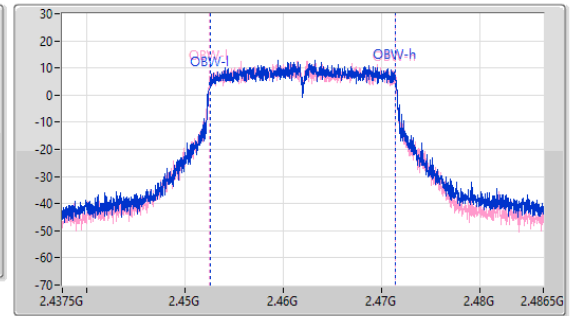
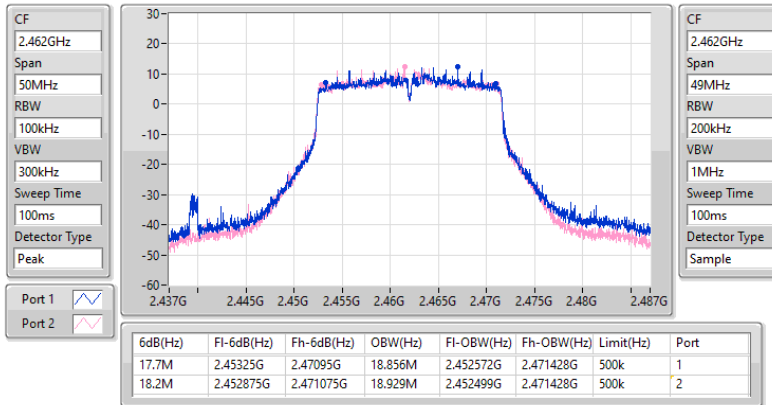
01/03/2023



2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX 2462MHz

EBW

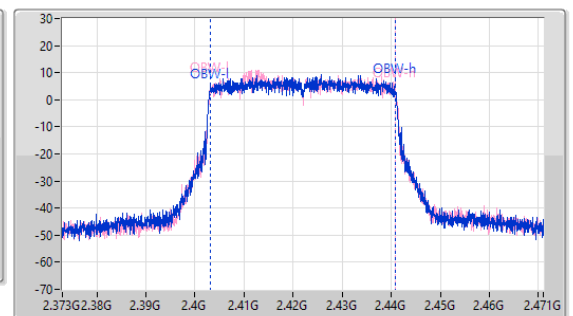
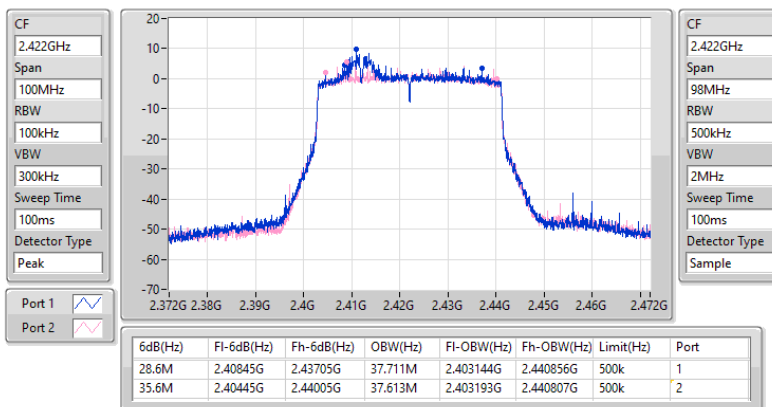
01/03/2023



2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX 2422MHz

EBW

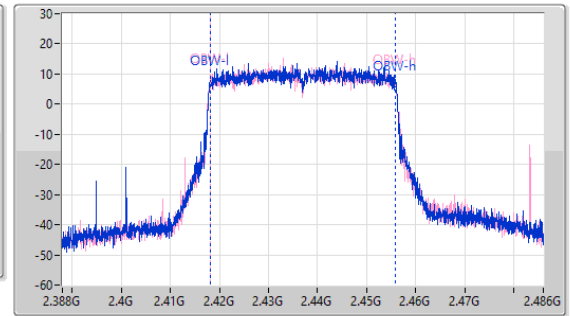
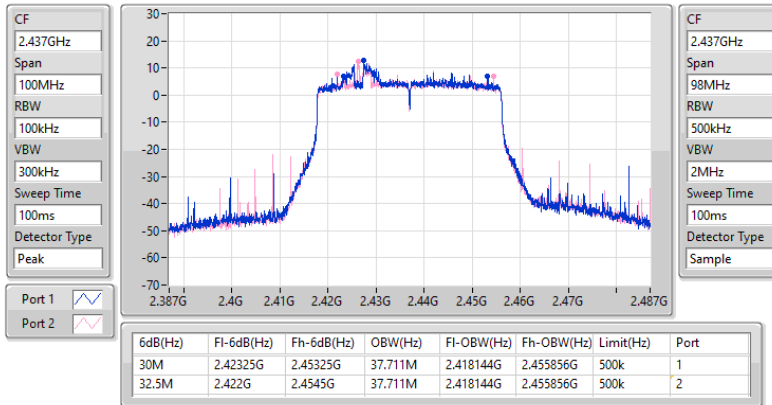
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2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX 2437MHz

EBW

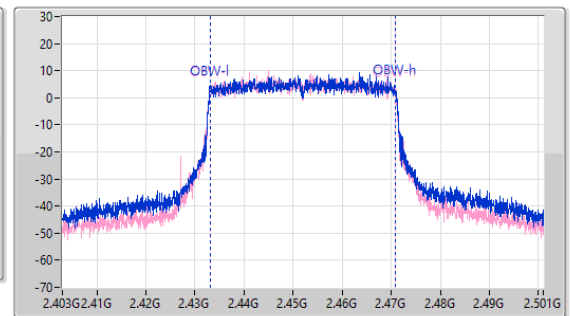
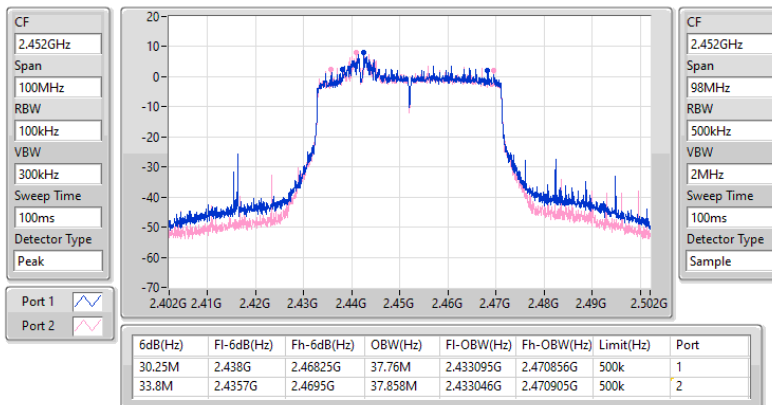
01/03/2023



2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX 2452MHz

EBW

01/03/2023





Average Power-For non-beamforming mode

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.76	0.94624
802.11g_Nss1,(6Mbps)_2TX	27.75	0.59566
802.11ax HEW20_Nss1,(MCS0)_2TX	28.20	0.66069
802.11ax HEW40_Nss1,(MCS0)_2TX	25.16	0.32810

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.73	25.82	25.74	28.79	30.00
2437MHz	Pass	2.73	26.88	26.61	29.76	30.00
2462MHz	Pass	2.73	25.49	25.28	28.40	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.73	22.91	23.01	25.97	30.00
2437MHz	Pass	2.73	24.74	24.73	27.75	30.00
2457MHz	Pass	2.73	22.86	22.8	25.84	30.00
2462MHz	Pass	2.73	21.42	21.41	24.43	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.73	22.91	22.94	25.94	30.00
2437MHz	Pass	2.73	25.32	25.06	28.20	30.00
2457MHz	Pass	2.73	23.4	23.56	26.49	30.00
2462MHz	Pass	2.73	22.53	22.45	25.50	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.73	19.48	19.13	22.32	30.00
2427MHz	Pass	2.73	21.77	21.77	24.78	30.00
2437MHz	Pass	2.73	22.27	22.03	25.16	30.00
2447MHz	Pass	2.73	18.23	18.2	21.23	30.00
2452MHz	Pass	2.73	18.32	18.24	21.29	30.00

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



Average Power-For beamforming mode

Appendix C.2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	28.25	0.66834
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	25.88	0.38726



Average Power-For beamforming mode

Appendix C.2

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.42	23.23	22.14	25.73	30.00
2417MHz	Pass	4.42	22.25	22.17	25.22	30.00
2437MHz	Pass	4.42	25.33	25.15	28.25	30.00
2457MHz	Pass	4.42	22.18	22.08	25.14	30.00
2462MHz	Pass	4.42	22.48	22.82	25.66	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.42	18.29	18.45	21.38	30.00
2427MHz	Pass	4.42	20.42	20.19	23.32	30.00
2437MHz	Pass	4.42	22.95	22.78	25.88	30.00
2447MHz	Pass	4.42	18.34	18.15	21.26	30.00
2452MHz	Pass	4.42	17.39	17.32	20.37	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	2.82
802.11g_Nss1,(6Mbps)_2TX	-1.65
802.11ax HEW20_Nss1,(MCS0)_2TX	-0.39
802.11ax HEW40_Nss1,(MCS0)_2TX	-5.84

RBW = 3kHz;

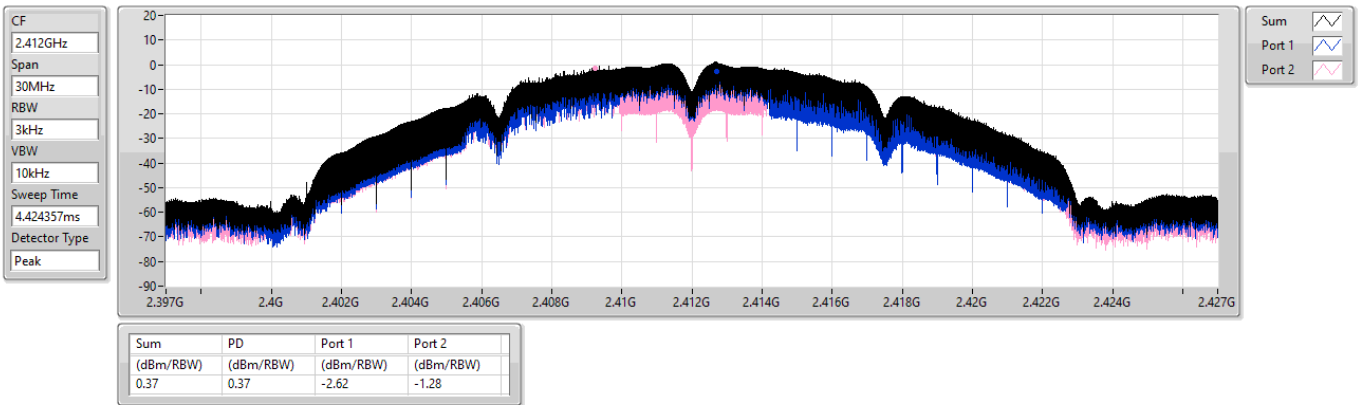
Result

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	4.42	-2.62	-1.28	0.37	8.00
2437MHz	Pass	4.42	-1.46	0.91	2.82	8.00
2462MHz	Pass	4.42	-2.19	-1.50	0.89	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.42	-4.59	-5.52	-3.37	8.00
2437MHz	Pass	4.42	-3.60	-3.47	-1.65	8.00
2462MHz	Pass	4.42	-5.75	-6.81	-4.30	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.42	-3.83	-3.38	-1.73	8.00
2437MHz	Pass	4.42	-2.08	-2.60	-0.39	8.00
2462MHz	Pass	4.42	-3.38	-4.89	-2.85	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.42	-10.33	-11.55	-9.06	8.00
2437MHz	Pass	4.42	-7.34	-7.45	-5.84	8.00
2452MHz	Pass	4.42	-10.71	-10.64	-9.34	8.00

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

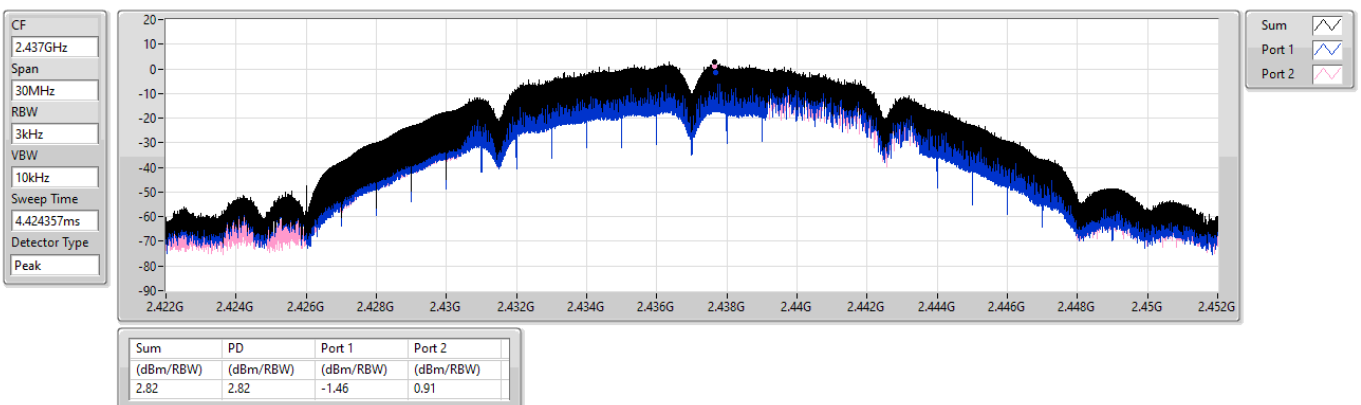
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz



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

2437MHz

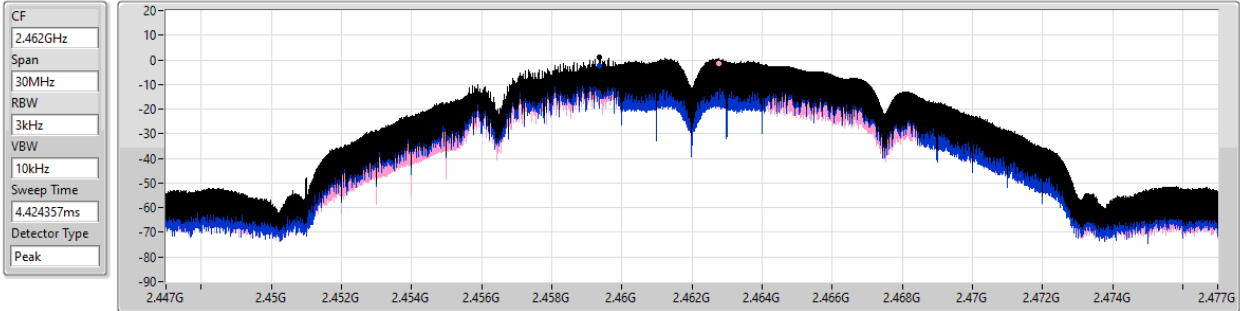


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz

PSD

31/01/2023



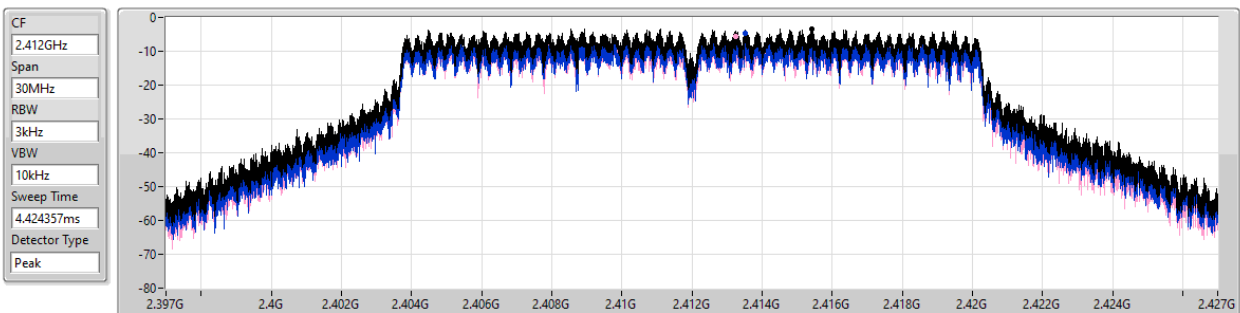
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.89	0.89	-2.19	-1.50

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

2412MHz

PSD

31/01/2023



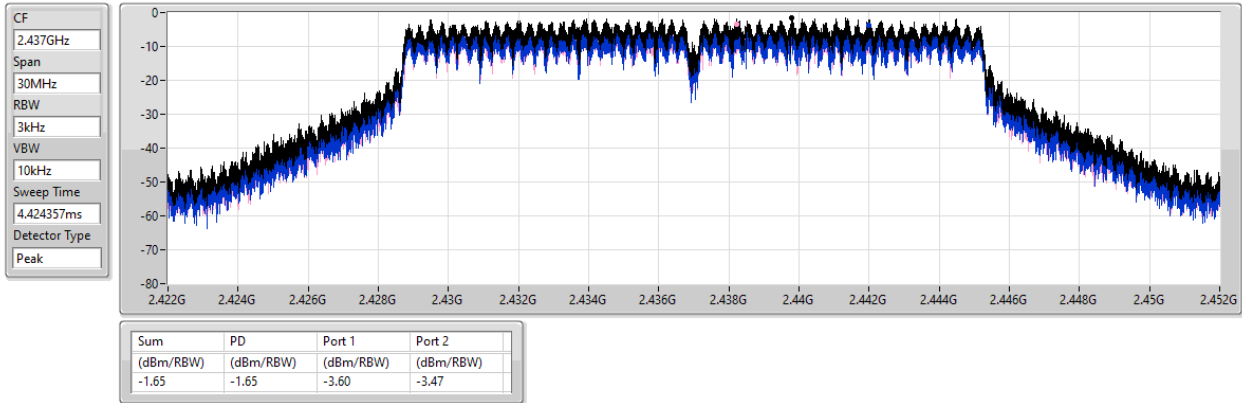
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.37	-3.37	-4.59	-5.52

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

2437MHz

PSD

31/01/2023

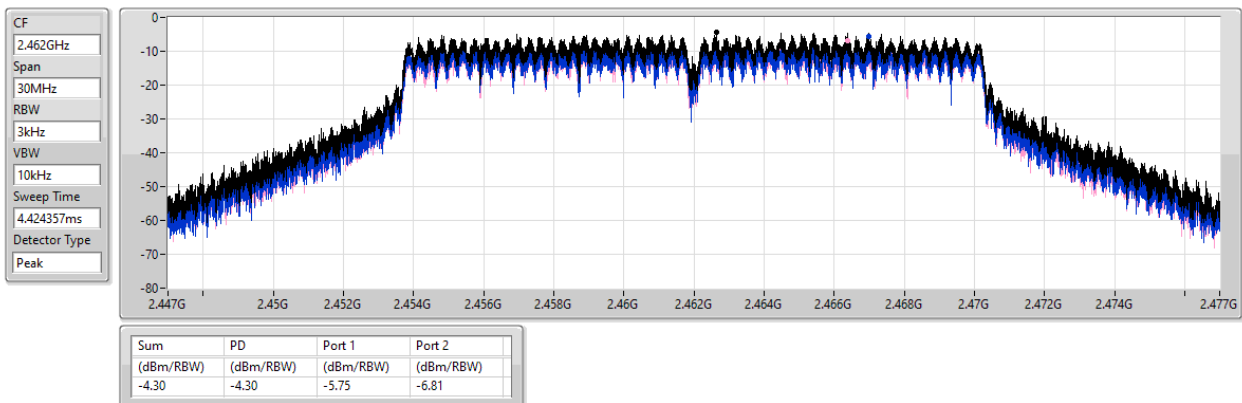


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz

PSD

31/01/2023

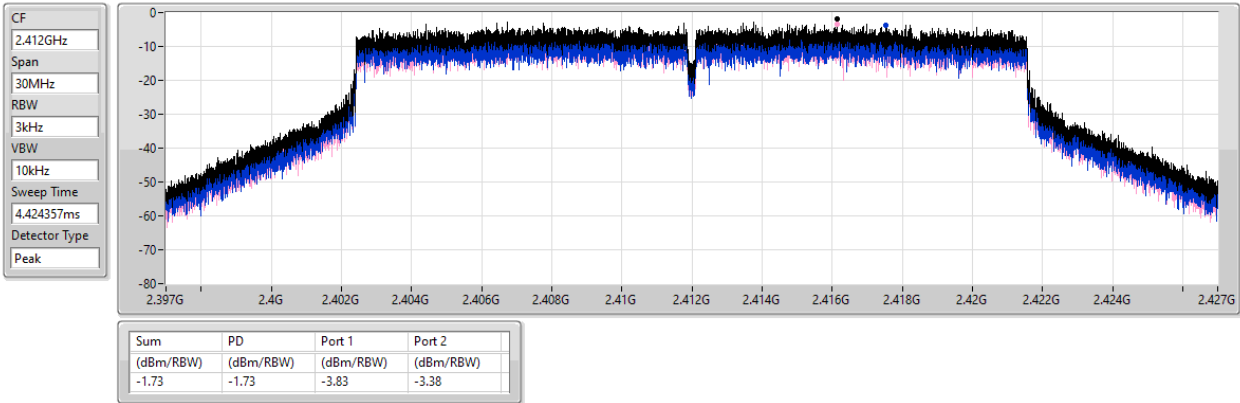


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz

PSD

31/01/2023

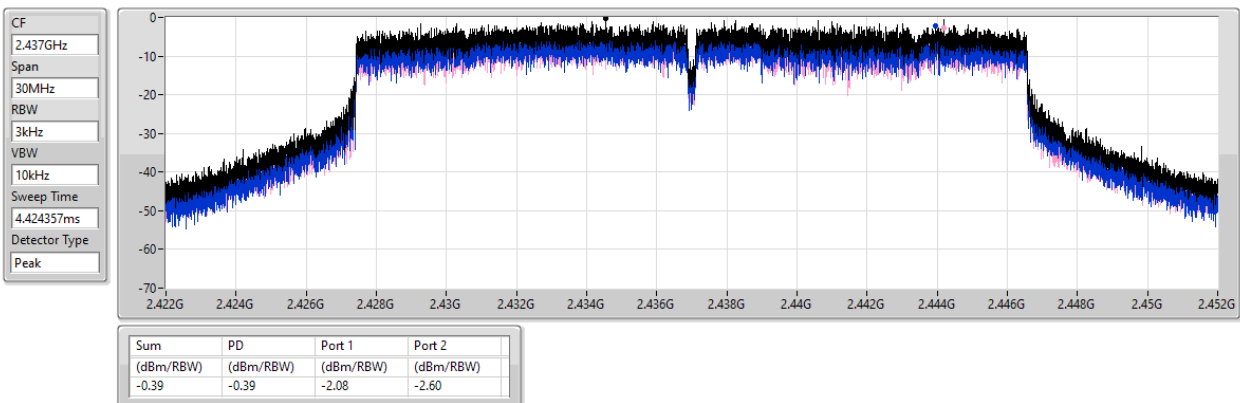


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz

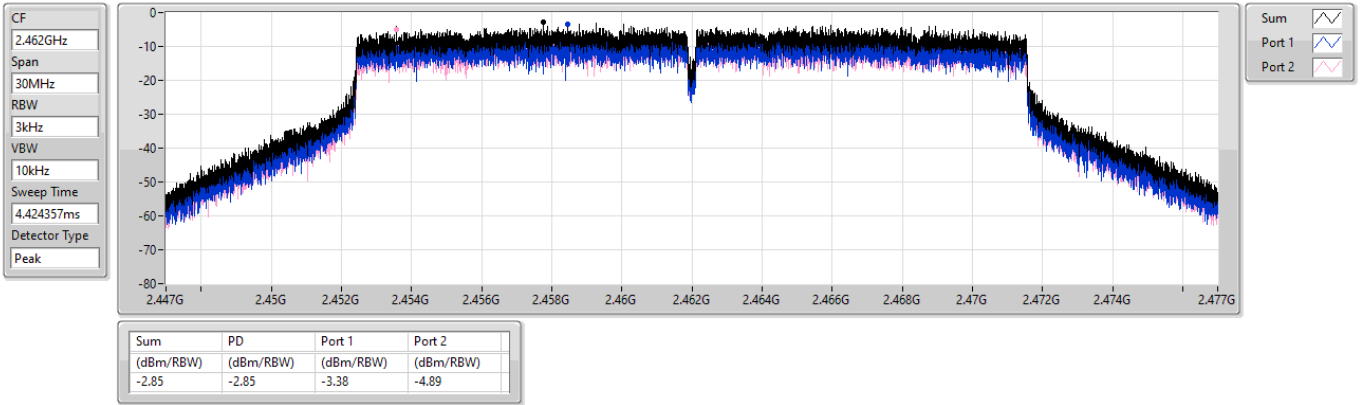
PSD

31/01/2023



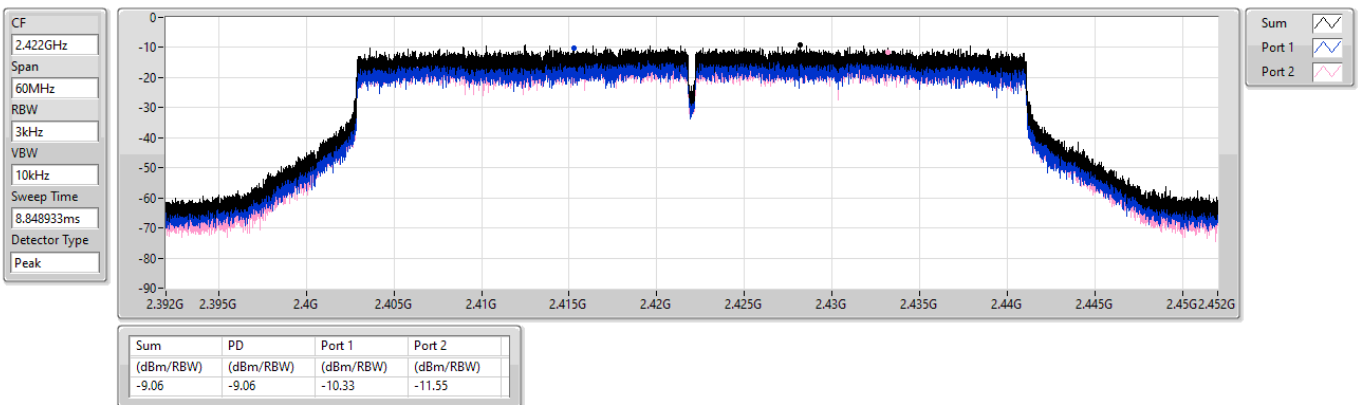
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz



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

2422MHz

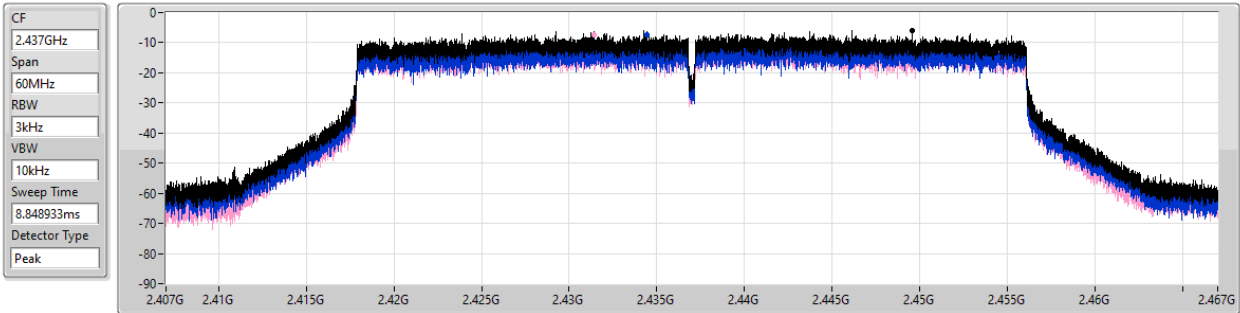


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz

PSD

31/01/2023



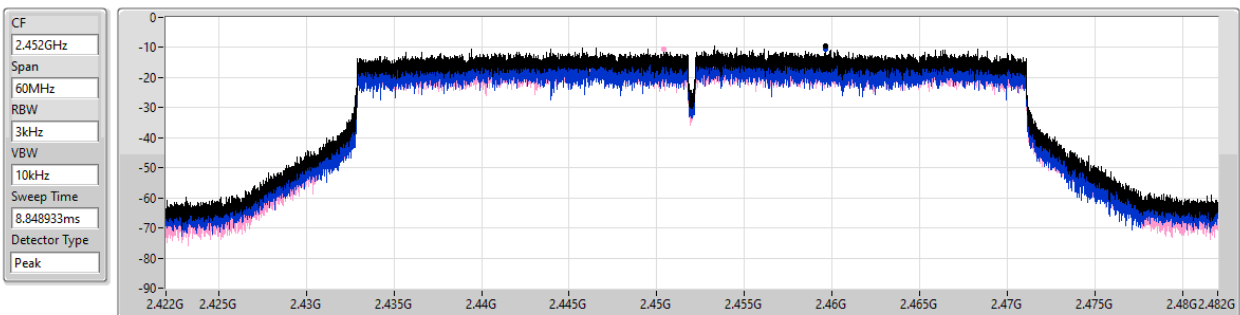
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.84	-5.84	-7.34	-7.45

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

2452MHz

PSD

31/01/2023



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.34	-9.34	-10.71	-10.64



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	1.97
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.06

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.42	-2.63	-2.87	-0.95	8.00
2437MHz	Pass	4.42	1.07	-0.81	1.97	8.00
2462MHz	Pass	4.42	-2.49	-2.60	-1.21	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.42	-6.27	-6.77	-5.61	8.00
2437MHz	Pass	4.42	-1.43	-1.53	0.06	8.00
2452MHz	Pass	4.42	-9.66	-9.50	-7.80	8.00

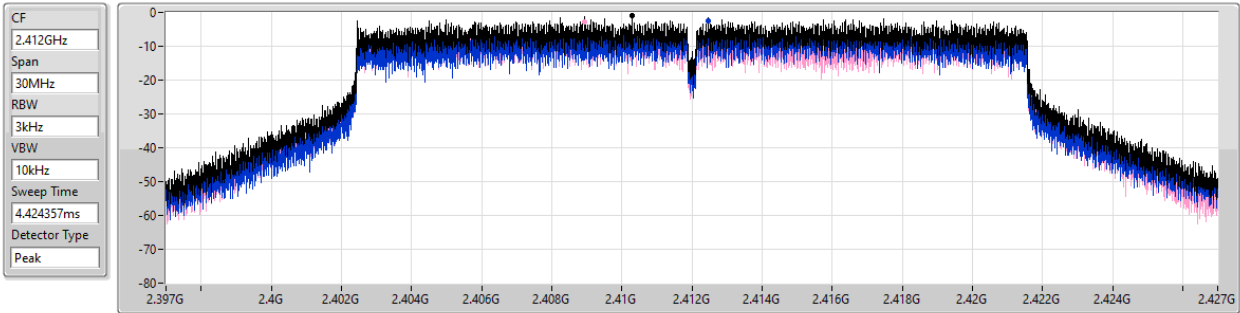
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

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

2412MHz

PSD

17/02/2023



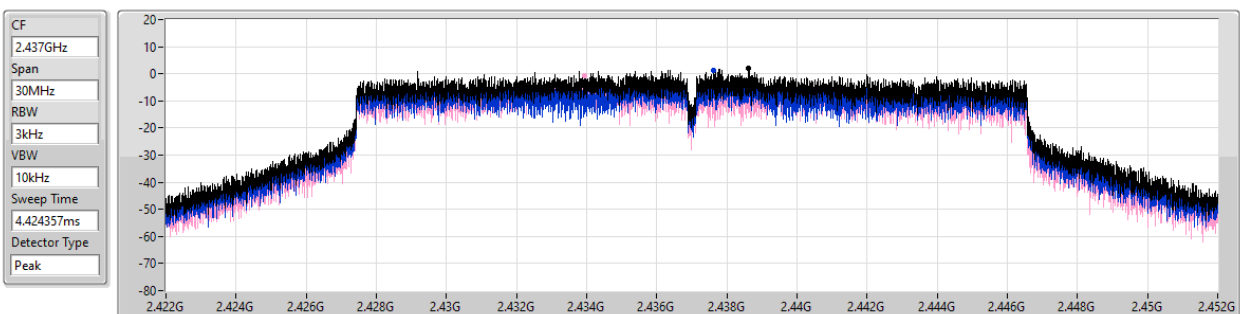
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
-0.95	-0.95	-2.63	-2.87

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

2437MHz

PSD

17/02/2023



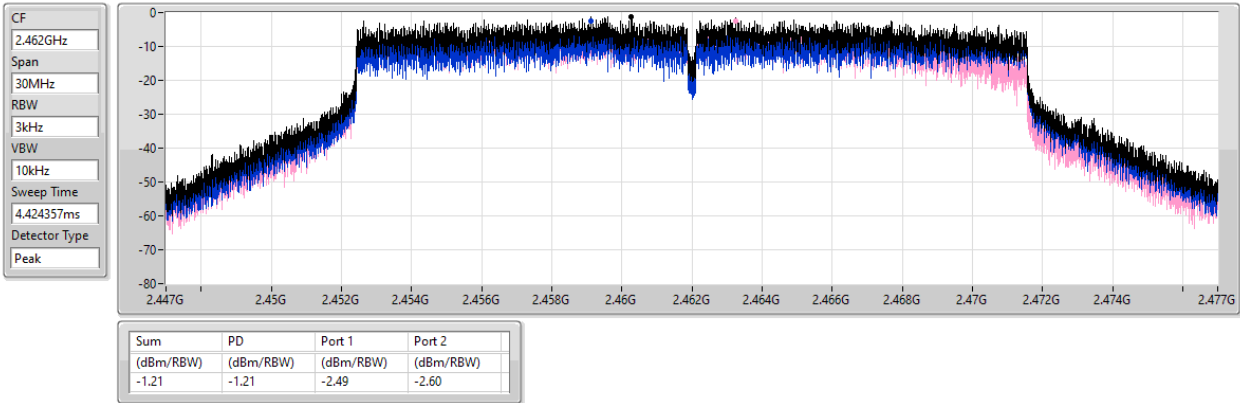
Sum	PD	Port 1	Port 2
(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)	(dBm/100Hz)
1.97	1.97	1.07	-0.81

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

2462MHz

PSD

17/02/2023

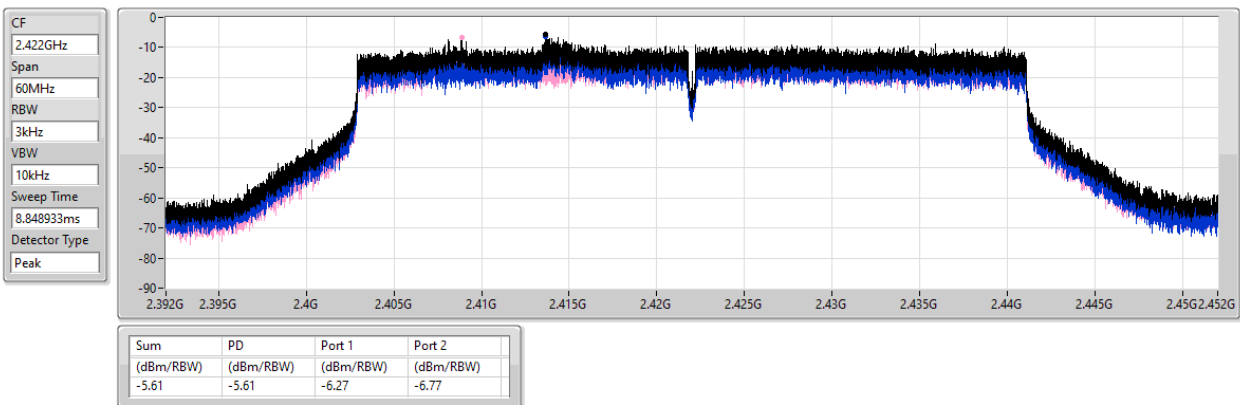


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz

PSD

01/03/2023

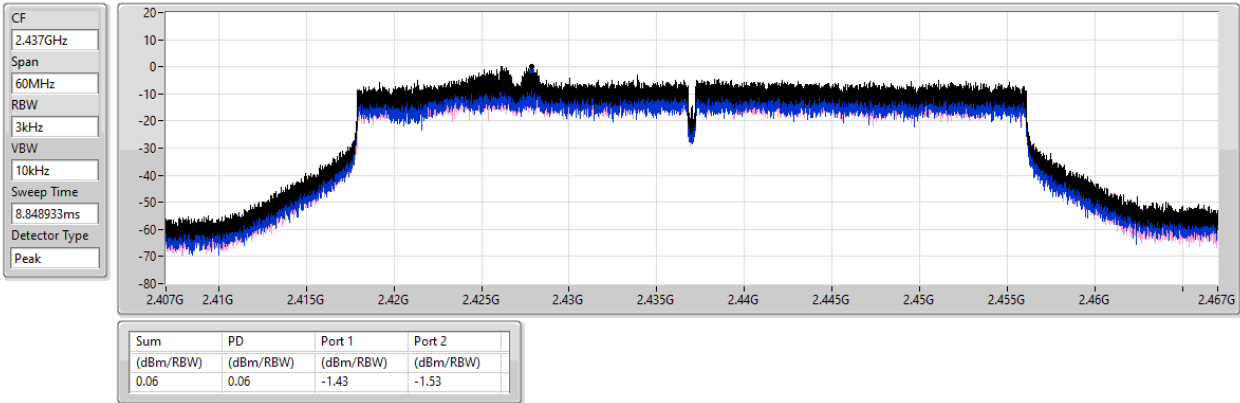


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz

PSD

17/02/2023

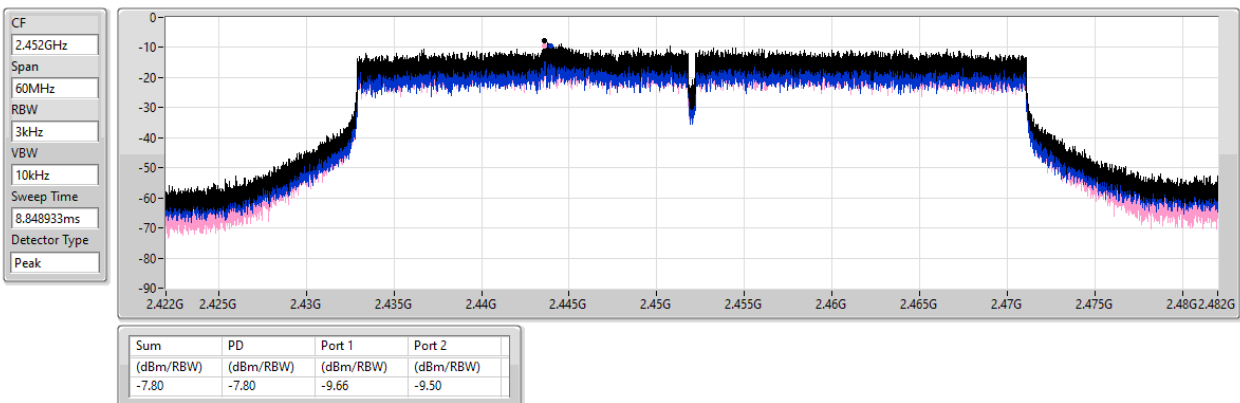


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2452MHz

PSD

01/03/2023



**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	2.43758G	16.91	-13.09	2.17244G	-52.23	2.39976G	-35.84	2.4G	-46.68	2.51542G	-48.62	7.23514G	-29.58	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44192G	14.07	-15.93	838.51M	-53.02	2.39992G	-25.80	2.4G	-24.04	2.51198G	-49.96	7.24637G	-36.25	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43574G	14.28	-15.72	2.30408G	-51.11	2.39984G	-22.84	2.4G	-22.09	2.50286G	-49.32	7.23233G	-36.05	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4319G	8.21	-21.79	2.19291G	-52.58	2.4G	-30.49	2.4G	-29.24	2.52078G	-49.95	7.24431G	-44.79	1



CSE (NdB Down)-For non-beamforming mode

Appendix E.1

Result

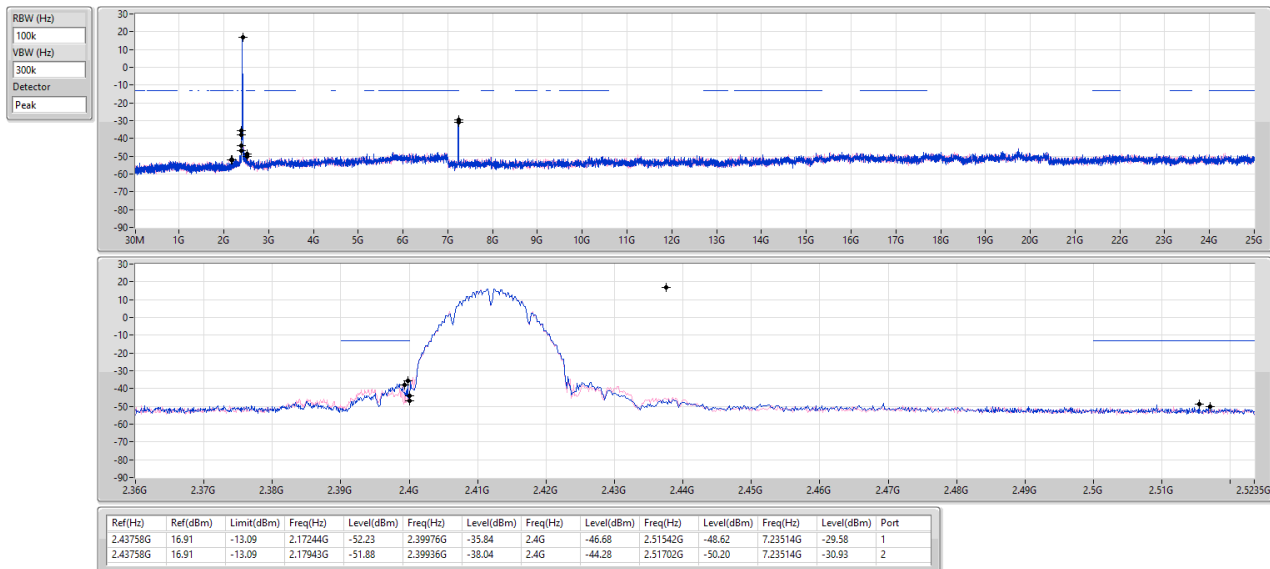
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43758G	16.91	-13.09	2.17244G	-52.23	2.39976G	-35.84	2.4G	-46.68	2.51542G	-48.62	7.23514G	-29.58	1
2412MHz	Pass	2.43758G	16.91	-13.09	2.17943G	-51.88	2.39936G	-38.04	2.4G	-44.28	2.51702G	-50.20	7.23514G	-30.93	2
2437MHz	Pass	2.43758G	16.91	-13.09	1.96507G	-52.63	2.39752G	-45.60	2.4G	-49.50	2.51798G	-49.47	16.3044G	-47.83	1
2437MHz	Pass	2.43758G	16.91	-13.09	2.16312G	-52.48	2.3968G	-49.27	2.4G	-49.49	2.51062G	-50.00	21.7381G	-47.53	2
2462MHz	Pass	2.43758G	16.91	-13.09	2.30059G	-52.59	2.39784G	-50.26	2.4G	-51.71	2.50694G	-49.86	17.69233G	-46.48	1
2462MHz	Pass	2.43758G	16.91	-13.09	923.56M	-52.15	2.39856G	-50.50	2.4G	-51.58	2.51886G	-49.31	6.94013G	-46.59	2
802.11g_Nss1(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	14.07	-15.93	838.51M	-53.02	2.39992G	-25.80	2.4G	-24.04	2.51198G	-49.96	7.24637G	-36.25	1
2412MHz	Pass	2.44192G	14.07	-15.93	1.98021G	-52.70	2.4G	-26.39	2.4G	-24.04	2.50462G	-50.15	7.22671G	-36.84	2
2437MHz	Pass	2.44192G	14.07	-15.93	2.30292G	-51.57	2.39832G	-43.29	2.4G	-44.73	2.50214G	-48.59	16.63593G	-47.12	1
2437MHz	Pass	2.44192G	14.07	-15.93	860.65M	-52.76	2.39976G	-41.74	2.4G	-43.29	2.5083G	-49.57	5.70954G	-47.20	2
2462MHz	Pass	2.44192G	14.07	-15.93	2.11302G	-53.08	2.39304G	-49.53	2.4G	-52.20	2.50214G	-49.70	16.20888G	-47.68	1
2462MHz	Pass	2.44192G	14.07	-15.93	1.80896G	-51.91	2.39696G	-51.48	2.4G	-52.92	2.5023G	-50.72	17.6839G	-47.78	2
802.11ax HEW20_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	14.28	-15.72	2.30408G	-51.11	2.39984G	-22.84	2.4G	-22.09	2.50286G	-49.32	7.23233G	-36.05	1
2412MHz	Pass	2.43574G	14.28	-15.72	2.30641G	-51.73	2.39976G	-23.53	2.4G	-24.74	2.50502G	-49.45	7.22671G	-38.80	2
2437MHz	Pass	2.43574G	14.28	-15.72	2.30408G	-52.07	2.39936G	-40.85	2.4G	-40.97	2.50126G	-47.98	6.95418G	-47.47	1
2437MHz	Pass	2.43574G	14.28	-15.72	2.30758G	-50.10	2.4G	-39.92	2.4G	-41.93	2.50054G	-49.01	6.87832G	-47.42	2
2462MHz	Pass	2.43574G	14.28	-15.72	1.78799G	-52.58	2.39616G	-49.61	2.4G	-51.22	2.50286G	-48.91	17.65299G	-47.39	1
2462MHz	Pass	2.43574G	14.28	-15.72	902.59M	-52.23	2.39408G	-50.49	2.4G	-51.36	2.50198G	-49.57	15.29858G	-47.08	2
802.11ax HEW40_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	8.21	-21.79	2.19291G	-52.58	2.4G	-30.49	2.4G	-29.24	2.52078G	-49.95	7.24431G	-44.79	1
2422MHz	Pass	2.4319G	8.21	-21.79	2.19863G	-52.01	2.4G	-31.31	2.4G	-29.32	2.52414G	-50.51	7.24431G	-44.66	2
2437MHz	Pass	2.4319G	8.21	-21.79	623.11M	-52.47	2.39936G	-41.52	2.4G	-42.18	2.51422G	-48.77	17.67168G	-47.53	1
2437MHz	Pass	2.4319G	8.21	-21.79	2.30855G	-50.41	2.39936G	-43.97	2.4G	-45.15	2.5107G	-48.72	5.84764G	-47.05	2
2452MHz	Pass	2.4319G	8.21	-21.79	872.72M	-53.15	2.39472G	-50.88	2.4G	-51.40	2.50158G	-47.98	6.70864G	-47.24	1
2452MHz	Pass	2.4319G	8.21	-21.79	919.67M	-52.16	2.39824G	-50.96	2.4G	-52.15	2.50446G	-48.99	6.89374G	-47.91	2

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

2412MHz

CSEndB

31/01/2023

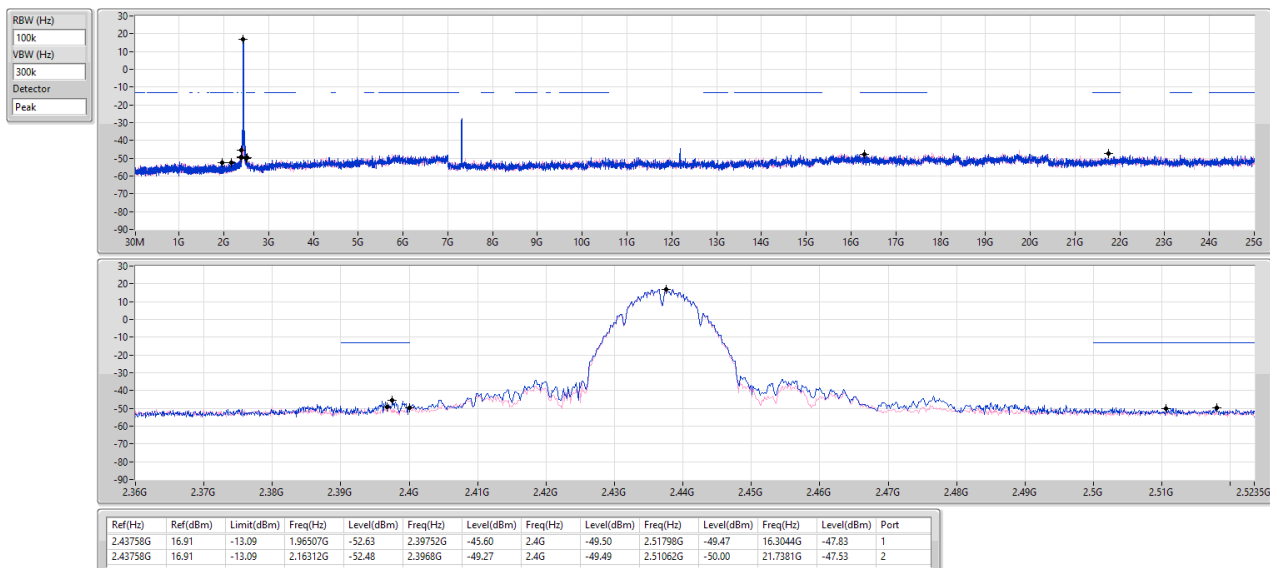


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz

CSEndB

31/01/2023

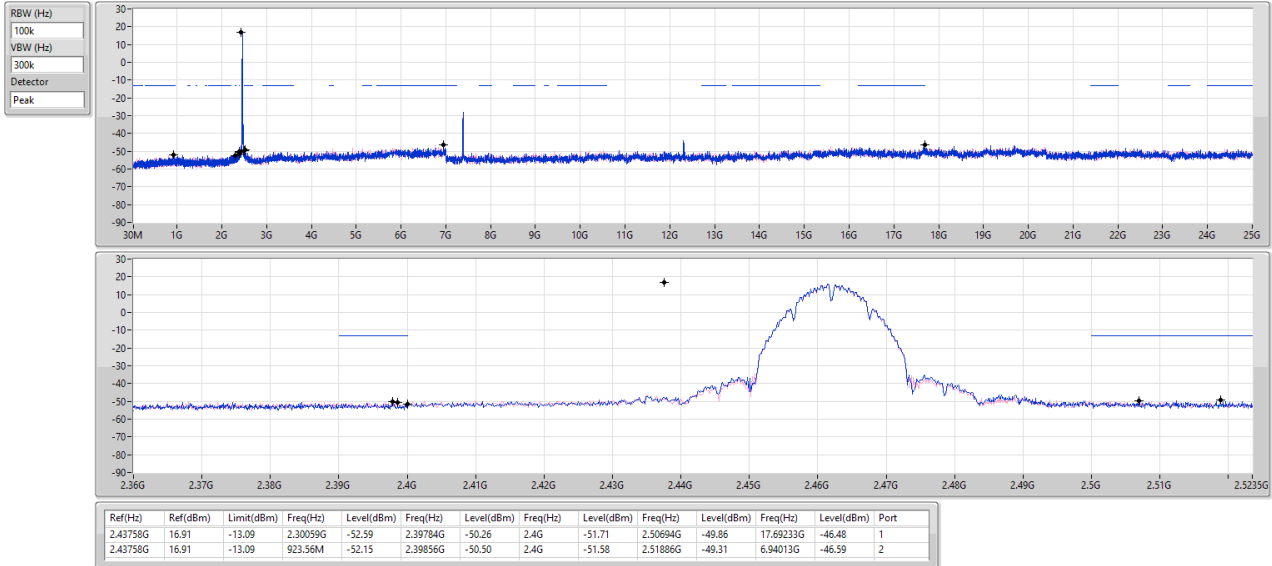


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSEndB

31/01/2023

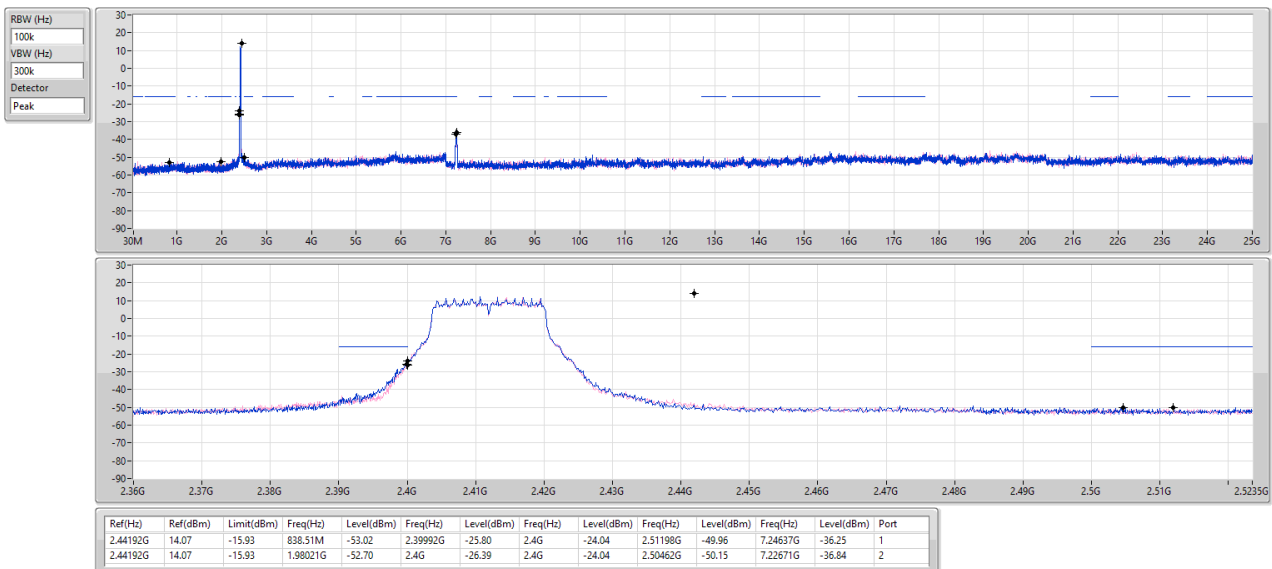


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSEndB

31/01/2023

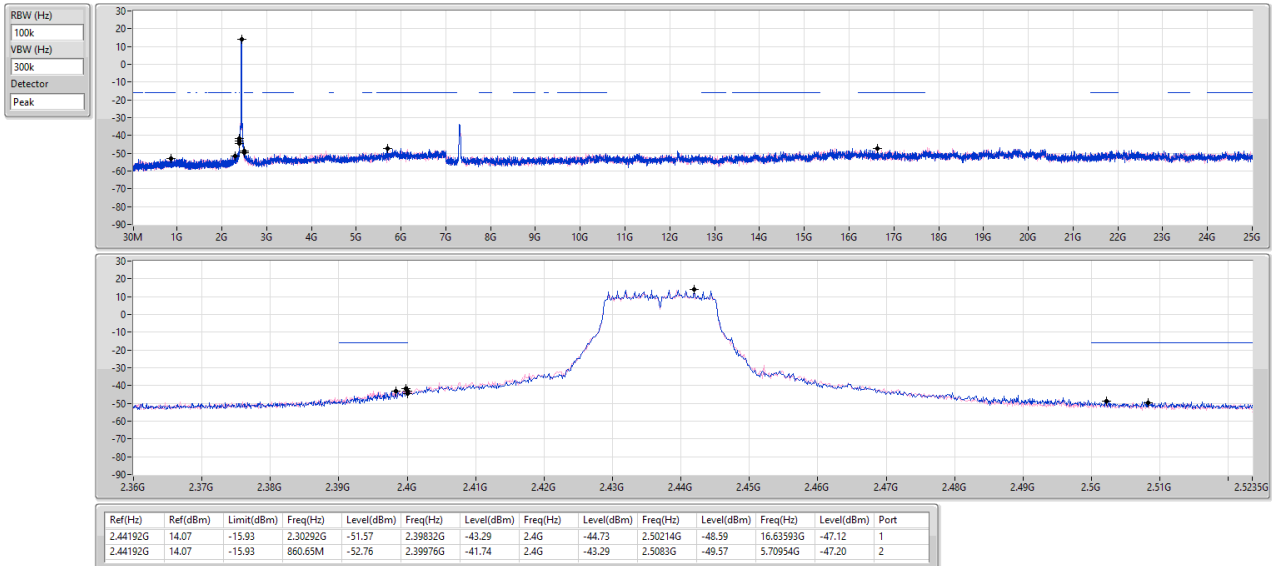


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSEndB

31/01/2023

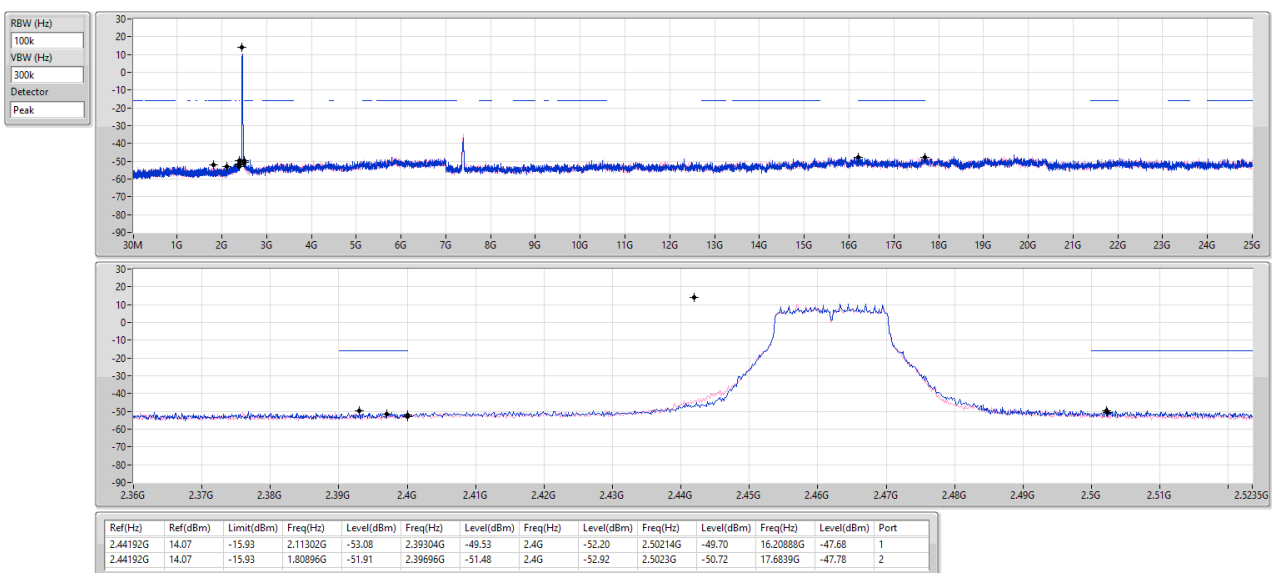


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSEndB

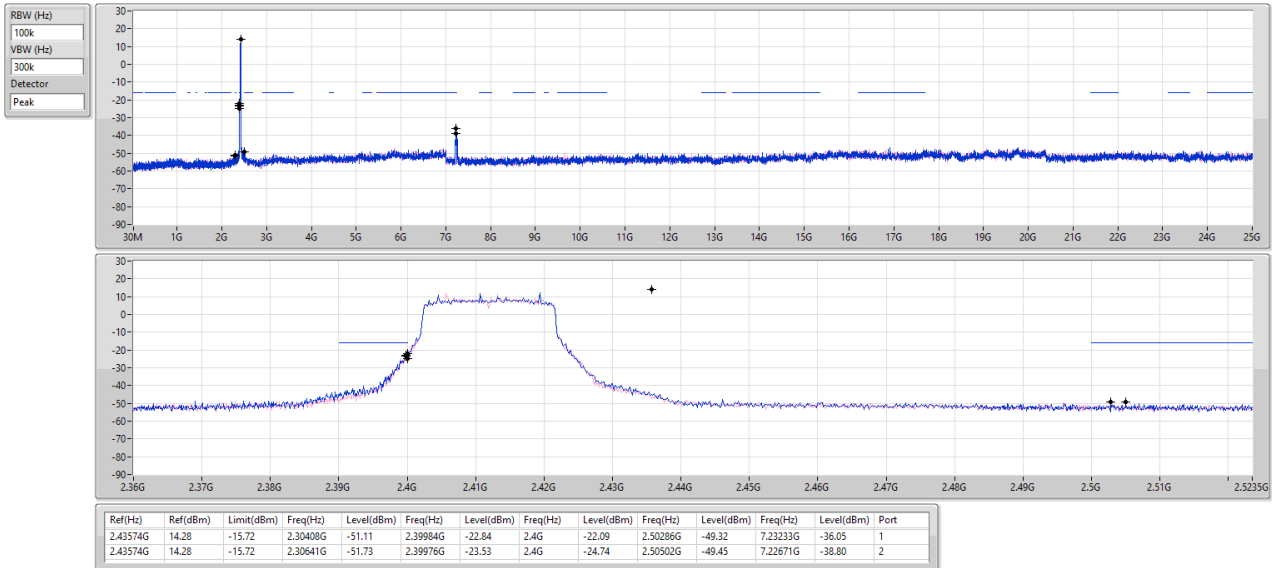
31/01/2023



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

CSEndB

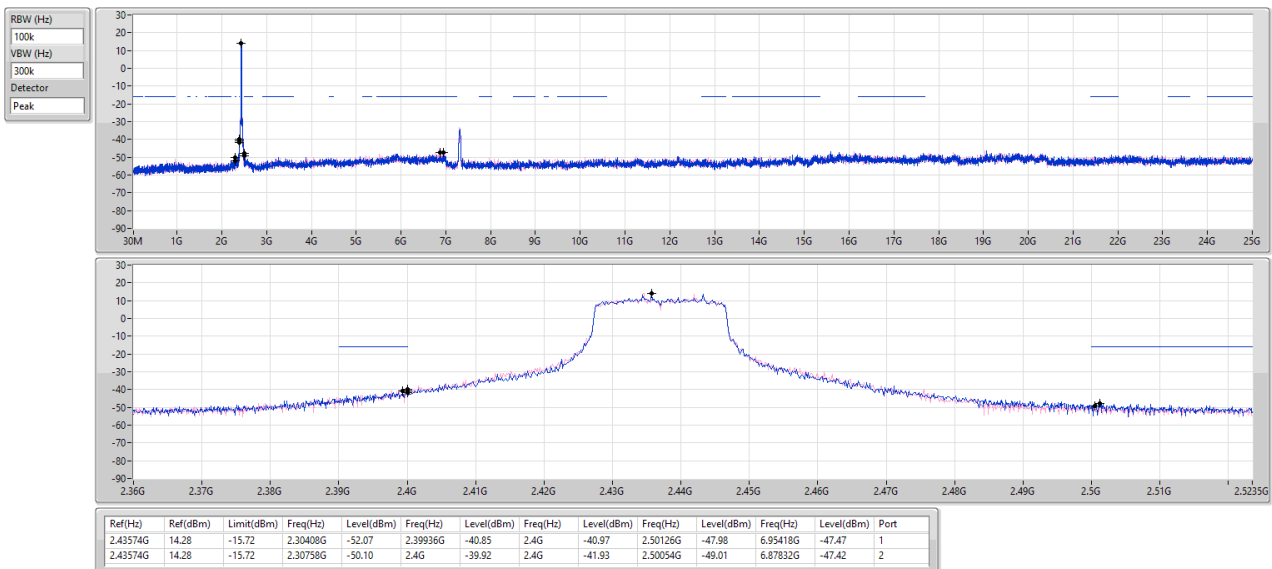
2412MHz



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

CSEndB

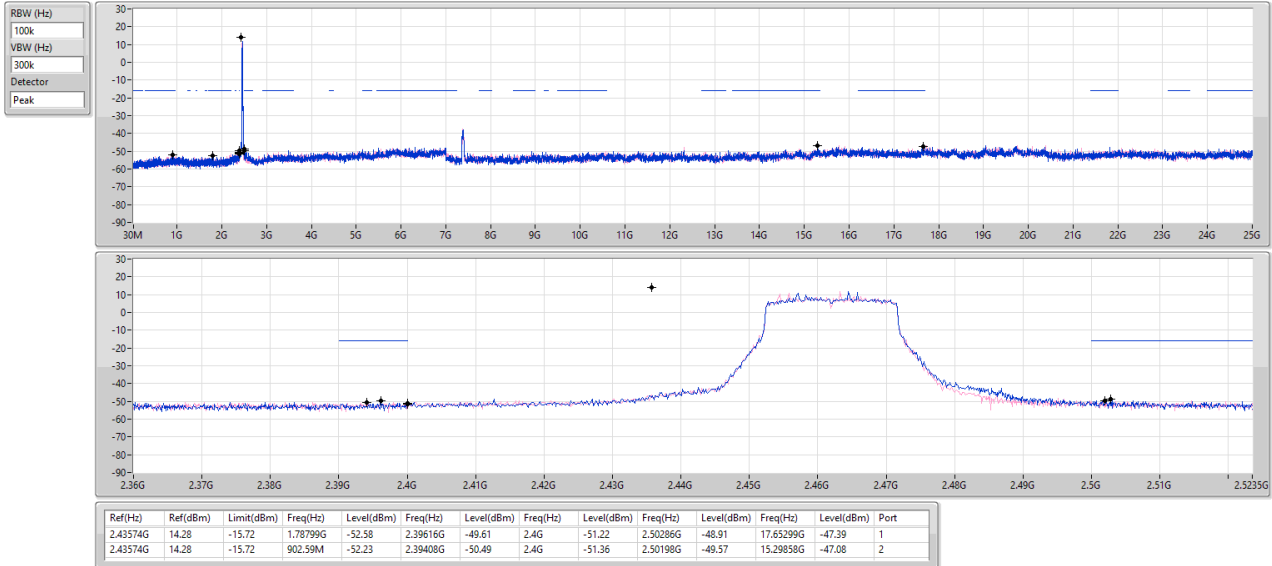
2437MHz



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

CSEndB

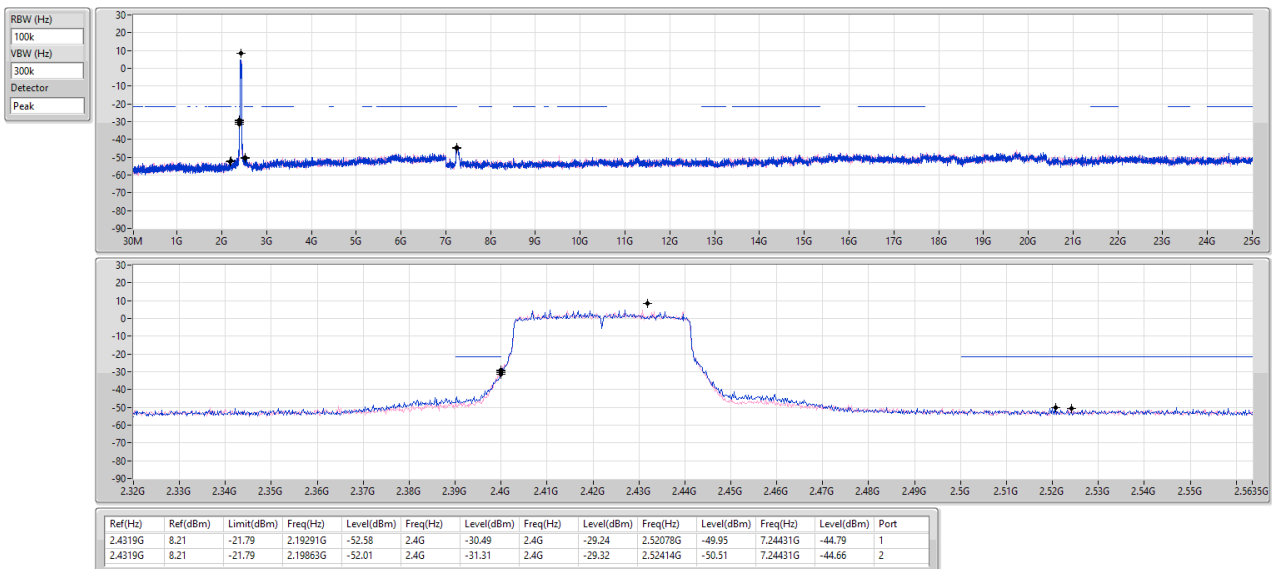
2462MHz



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

CSEndB

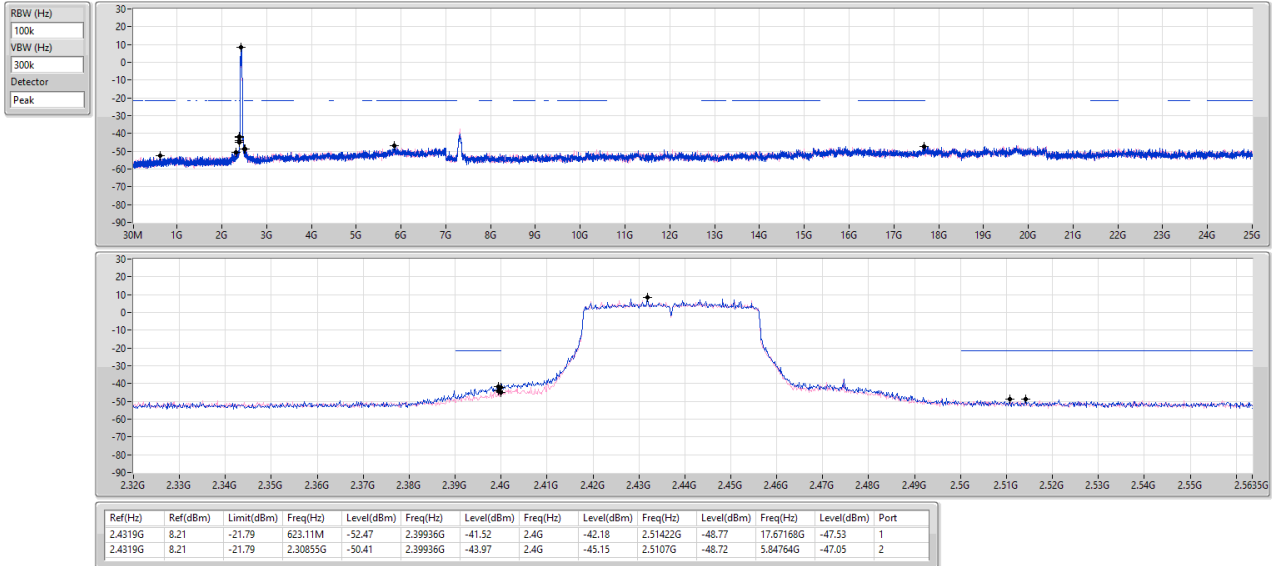
2422MHz



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

CSENdB

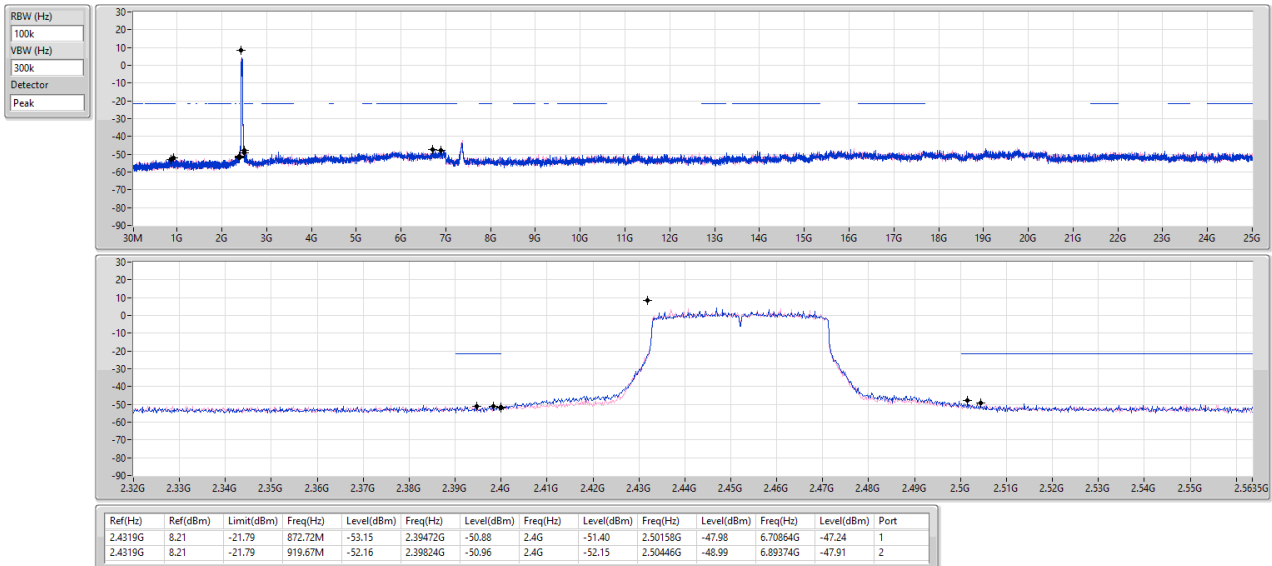
2437MHz



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

CSENdB

2452MHz





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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.44192G	14.72	-15.28	2.16661G	-48.41	2.3996G	-23.44	2.4G	-20.67	2.5007G	-46.87	7.23233G	-37.74	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.42655G	12.41	-17.59	2.30283G	-48.50	2.39952G	-43.50	2.4G	-43.47	2.5011G	-26.05	5.82801G	-42.31	2

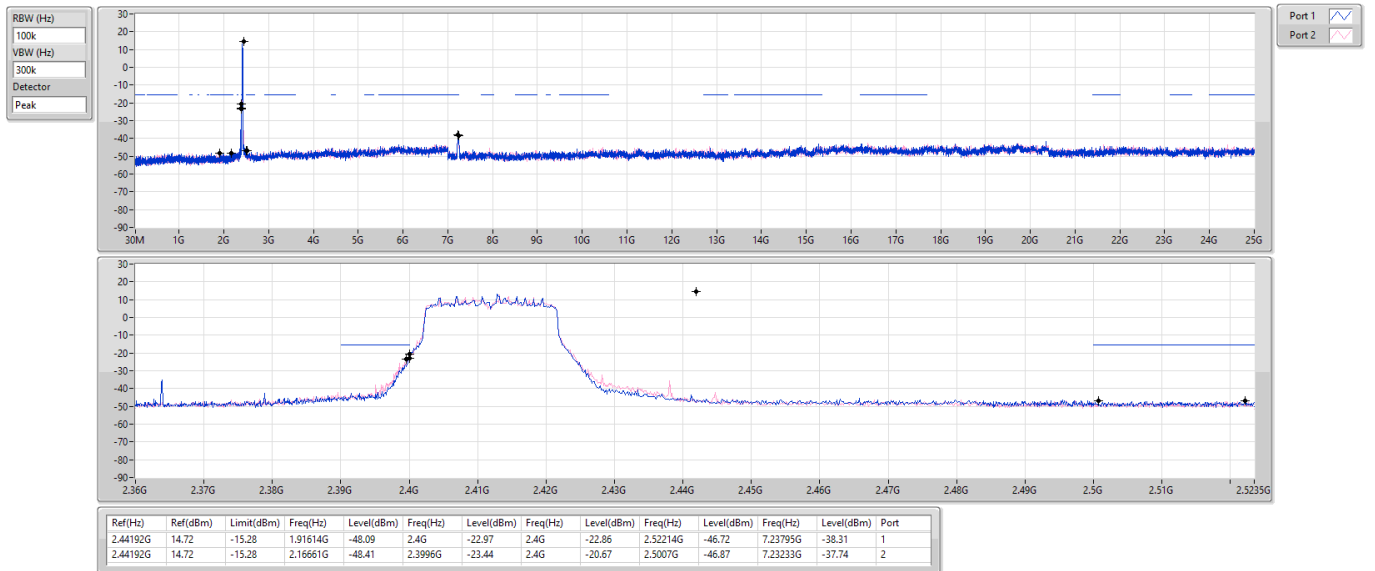
Result

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
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	14.72	-15.28	1.91614G	-48.09	2.4G	-22.97	2.4G	-22.86	2.52214G	-46.72	7.23795G	-38.31	1
2412MHz	Pass	2.44192G	14.72	-15.28	2.16661G	-48.41	2.3996G	-23.44	2.4G	-20.67	2.5007G	-46.87	7.23233G	-37.74	2
2437MHz	Pass	2.44192G	14.72	-15.28	2.30874G	-47.85	2.39328G	-44.54	2.4G	-45.63	2.50534G	-46.69	16.88598G	-43.22	1
2437MHz	Pass	2.44192G	14.72	-15.28	2.30525G	-47.70	2.3992G	-41.01	2.4G	-43.20	2.5007G	-45.68	17.66985G	-42.50	2
2462MHz	Pass	2.44192G	14.72	-15.28	871.13M	-47.96	2.39296G	-47.29	2.4G	-48.70	2.52254G	-46.77	16.20045G	-42.79	1
2462MHz	Pass	2.44192G	14.72	-15.28	872.3M	-48.58	2.39272G	-47.01	2.4G	-48.86	2.51038G	-46.60	21.79148G	-42.52	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42655G	12.41	-17.59	1.79559G	-47.93	2.4G	-29.13	2.4G	-29.29	2.54446G	-46.96	16.2105G	-42.66	1
2422MHz	Pass	2.42655G	12.41	-17.59	1.29637G	-47.29	2.4G	-31.89	2.4G	-29.93	2.5179G	-46.51	17.44731G	-43.00	2
2437MHz	Pass	2.42655G	12.41	-17.59	348.31M	-48.19	2.39808G	-35.86	2.4G	-43.10	2.54398G	-45.87	17.6829G	-42.88	1
2437MHz	Pass	2.42655G	12.41	-17.59	2.30283G	-48.50	2.39952G	-43.50	2.4G	-43.47	2.5011G	-26.05	5.82801G	-42.31	2
2452MHz	Pass	2.42655G	12.41	-17.59	1.75437G	-47.96	2.39984G	-45.65	2.4G	-46.55	2.55598G	-37.71	14.90638G	-43.62	1
2452MHz	Pass	2.42655G	12.41	-17.59	567.01M	-48.54	2.39456G	-47.10	2.4G	-48.12	2.54078G	-46.36	16.93408G	-43.02	2

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

CSEndB

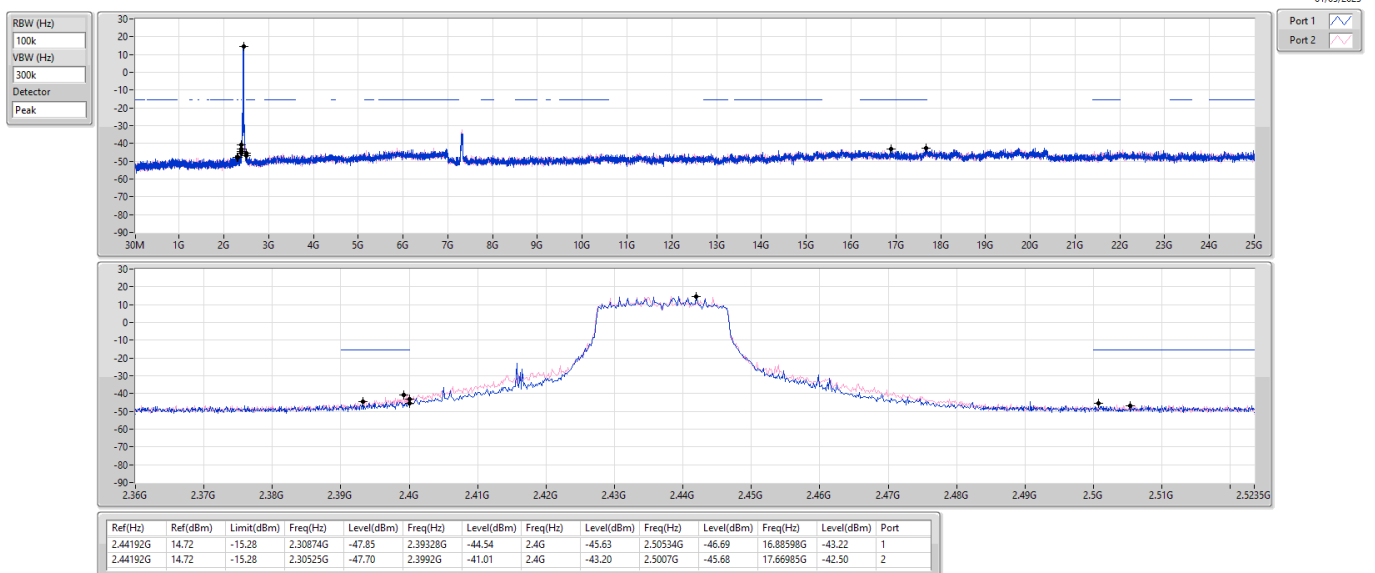
2412MHz



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

CSEndB

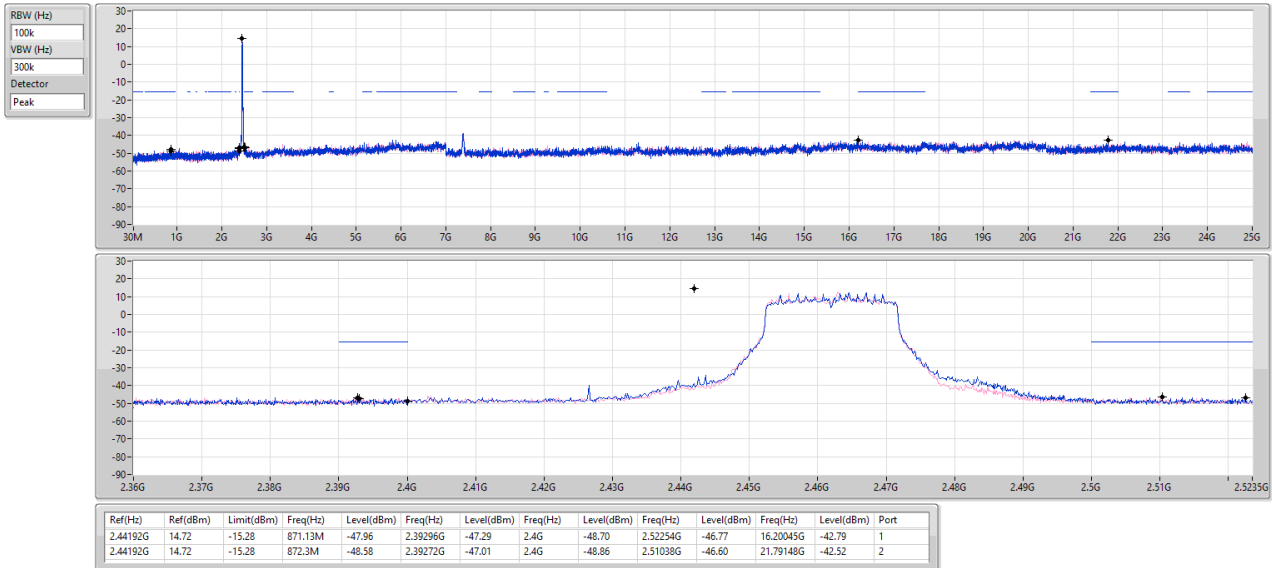
2437MHz



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

CSENdB

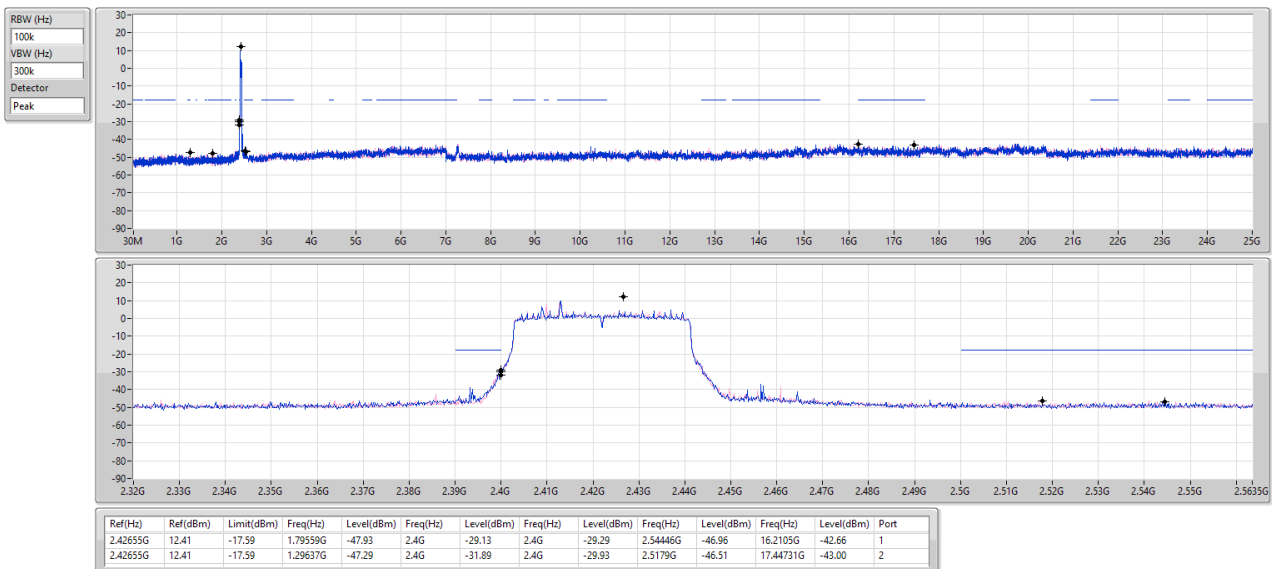
2462MHz



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

CSENdB

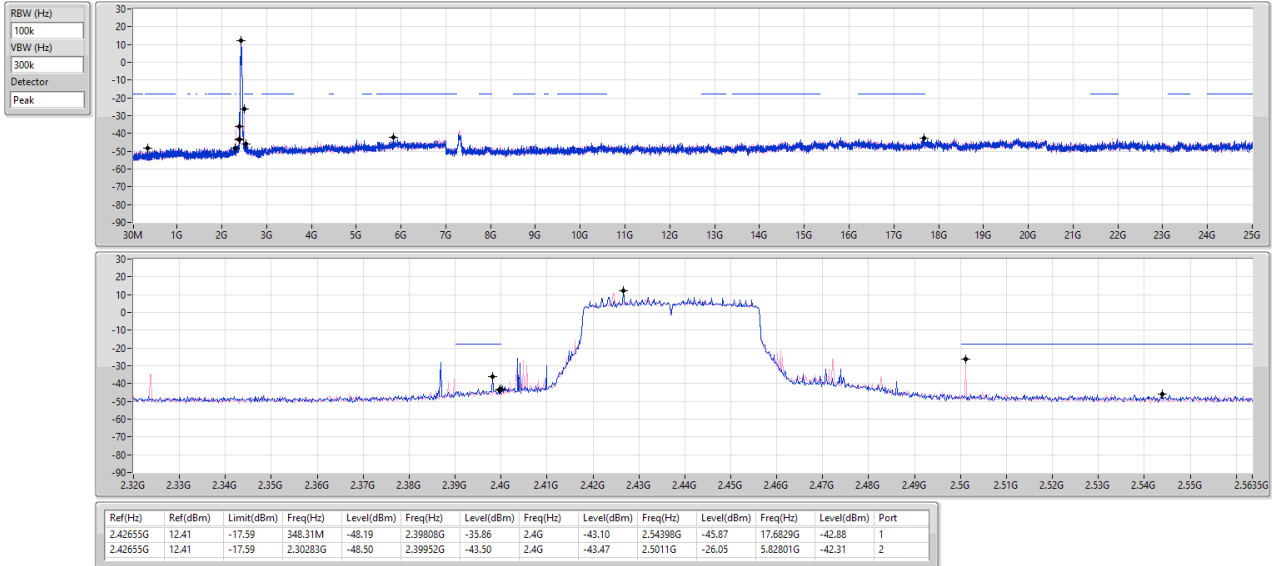
2422MHz



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

CSENdB

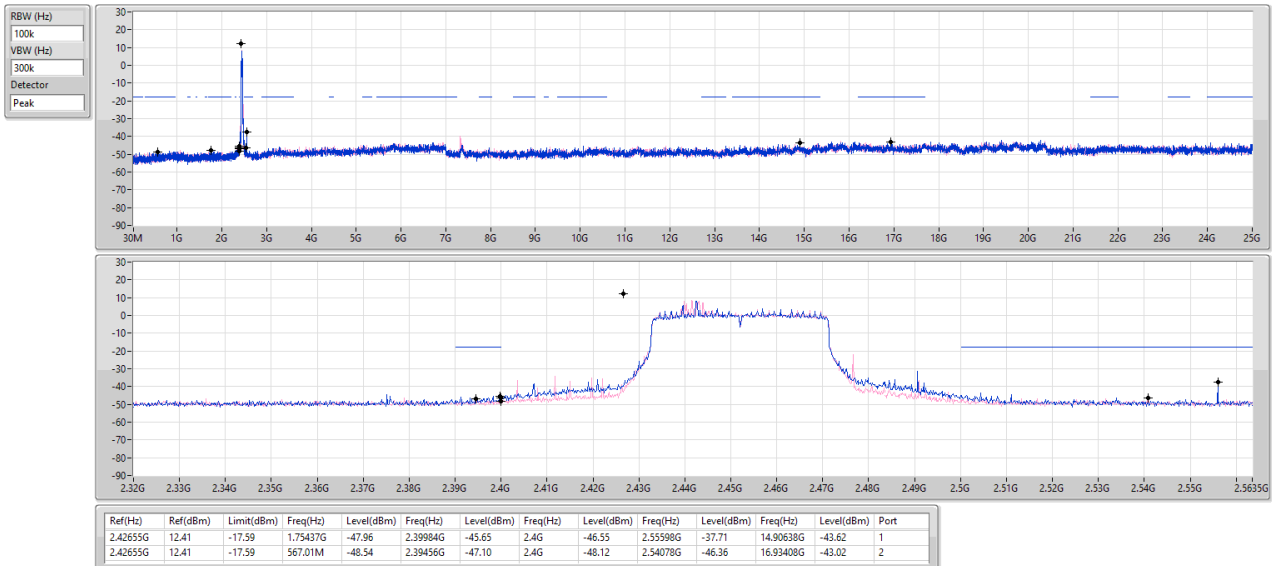
2437MHz



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

CSENdB

2452MHz





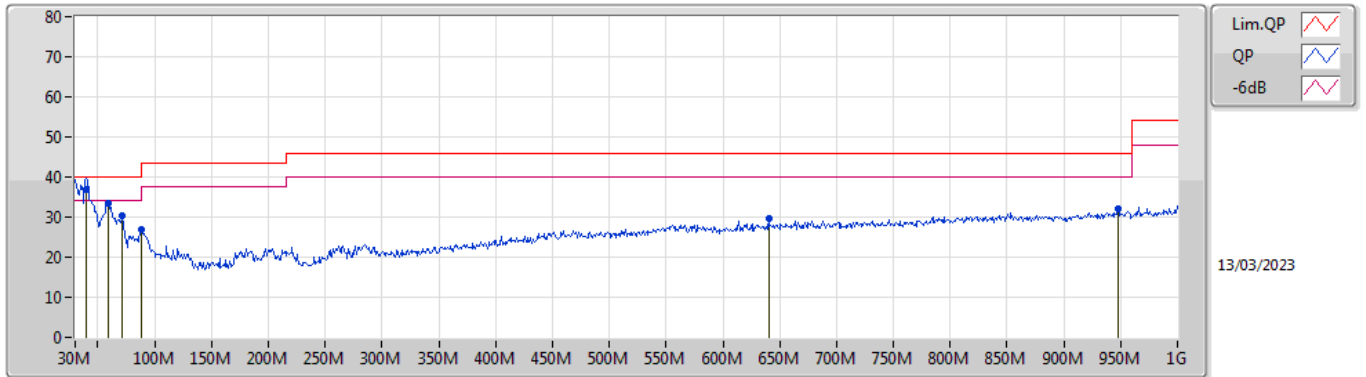
Radiated Emission below 1GHz Result

Appendix F.1

Summary

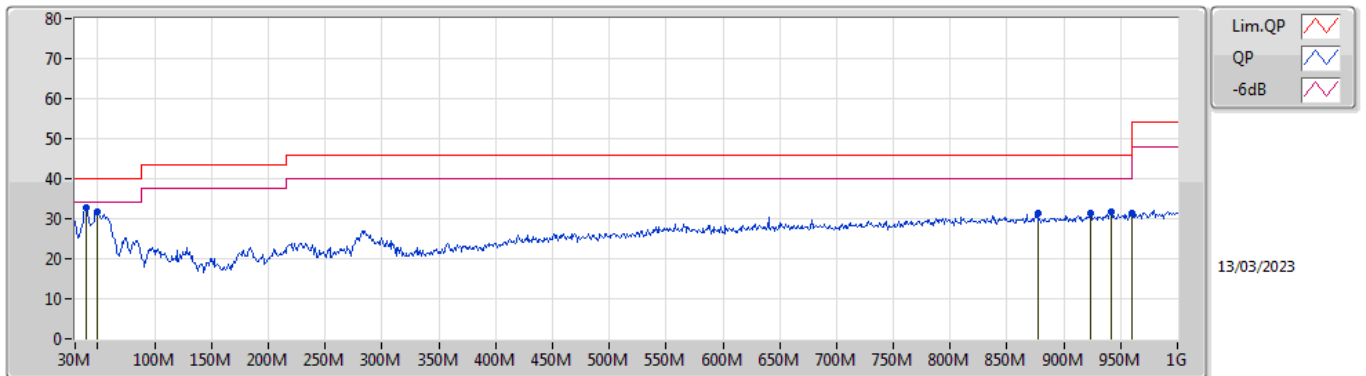
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	QP	39.7M	36.99	40.00	-3.01	Vertical

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	39.7M	36.99	40.00	-3.01	-11.82	3	Vertical	185	1.00	"Worst"	48.81	18.78	1.15	31.75
PK	59.1M	33.36	40.00	-6.64	-18.29	3	Vertical	71	1.00	-	51.65	12.27	1.35	31.91
PK	71.71M	30.28	40.00	-9.72	-18.36	3	Vertical	122	1.25	-	48.64	12.14	1.47	31.97
PK	88M	26.82	43.50	-16.68	-16.19	3	Vertical	69	1.25	-	43.01	14.15	1.61	31.95
PK	640.13M	29.74	46.00	-16.26	-3.37	3	Vertical	360	1.25	-	33.11	24.57	4.58	32.52
PK	947.62M	32.02	46.00	-13.98	-0.34	3	Vertical	0	3.00	-	32.36	26.45	5.69	32.48

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	39.7M	32.80	40.00	-7.20	-11.82	3	Horizontal	39	3.00	"Worst"	44.62	18.78	1.15	31.75
PK	49.4M	31.58	40.00	-8.42	-16.33	3	Horizontal	39	3.00	-	47.91	14.28	1.25	31.86
PK	876.81M	31.47	46.00	-14.53	-0.92	3	Horizontal	19	2.00	-	32.39	26.03	5.54	32.49
PK	923.37M	31.53	46.00	-14.47	-0.64	3	Horizontal	358	1.50	-	32.17	26.17	5.68	32.49
PK	941.8M	31.88	46.00	-14.12	-0.40	3	Horizontal	228	2.00	-	32.28	26.39	5.69	32.48
PK	960M	31.53	54.00	-22.47	-0.09	3	Horizontal	187	3.00	-	31.62	26.63	5.73	32.45

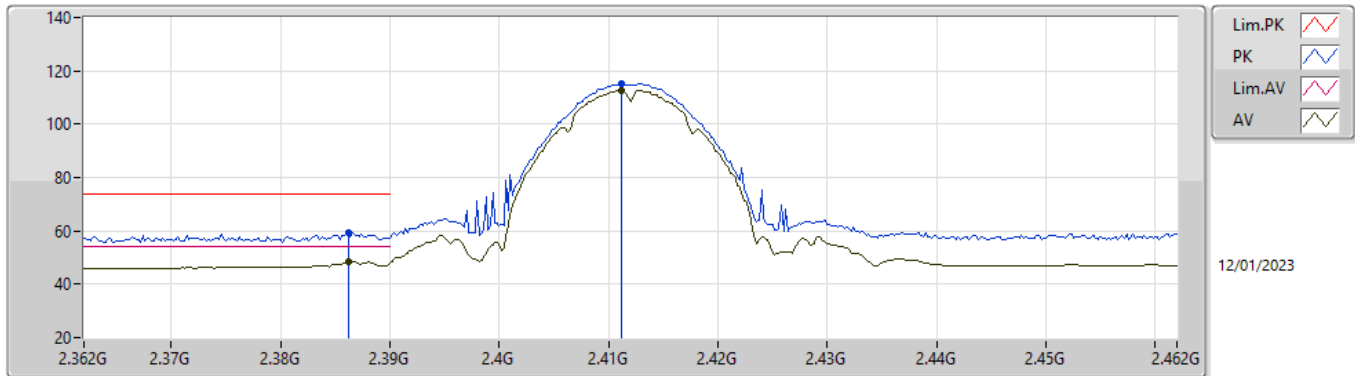


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1.(MCS0)_2TX	Pass	AV	2.389G	53.91	54.00	-0.09	3	Horizontal	89	1.14	-

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

2412MHz_TX

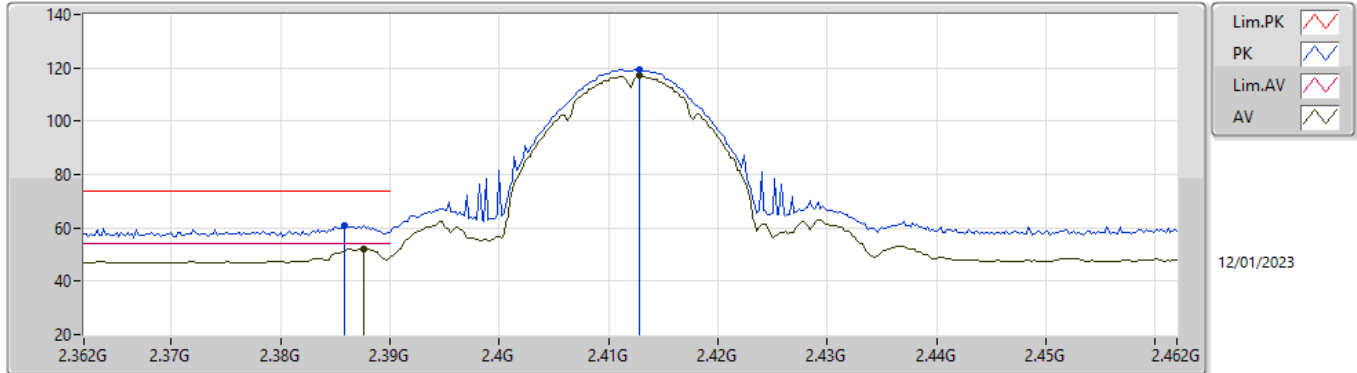


EUT_Z_2TX
Setting 25.5
04-K-A-4

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	59.43	74.00	-14.57	28.62	3	Vertical	138	2.69	-	27.62	3.19	-
AV	2.3862G	48.50	54.00	-5.50	17.69	3	Vertical	138	2.69	-	27.62	3.19	-
PK	2.4112G	115.17	Inf	-Inf	84.26	3	Vertical	138	2.69	-	27.70	3.21	-
AV	2.4112G	112.70	Inf	-Inf	81.79	3	Vertical	138	2.69	-	27.70	3.21	-

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

2412MHz_TX

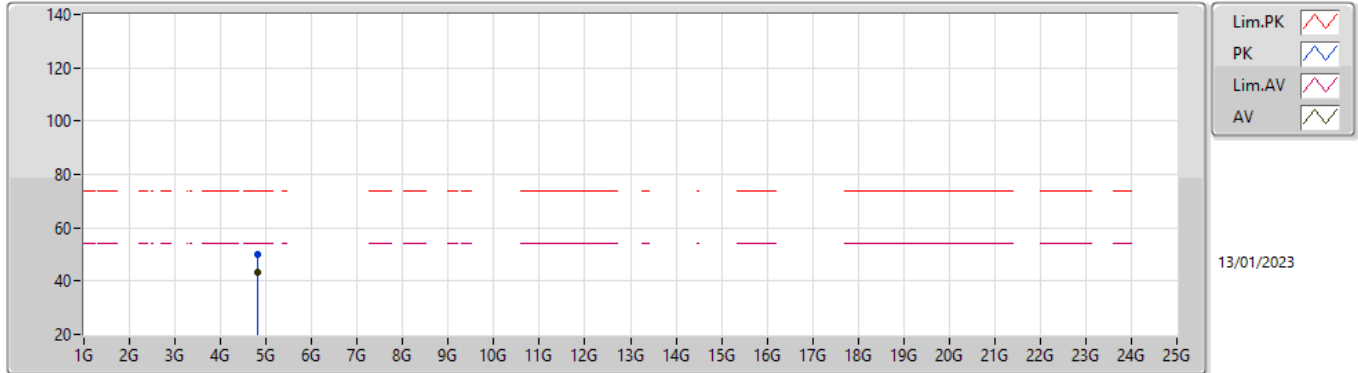


EUT Z_2TX
Setting 25.5
04-K-A-4

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	2.3858G	61.12	74.00	-12.88	30.32	3	Horizontal	261	1.10	-	27.61	3.19	-
AV	2.3876G	52.24	54.00	-1.76	21.42	3	Horizontal	261	1.10	-	27.63	3.19	-
PK	2.4128G	119.49	Inf	-Inf	88.58	3	Horizontal	261	1.10	-	27.70	3.21	-
AV	2.4128G	116.99	Inf	-Inf	86.08	3	Horizontal	261	1.10	-	27.70	3.21	-

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

2412MHz_TX

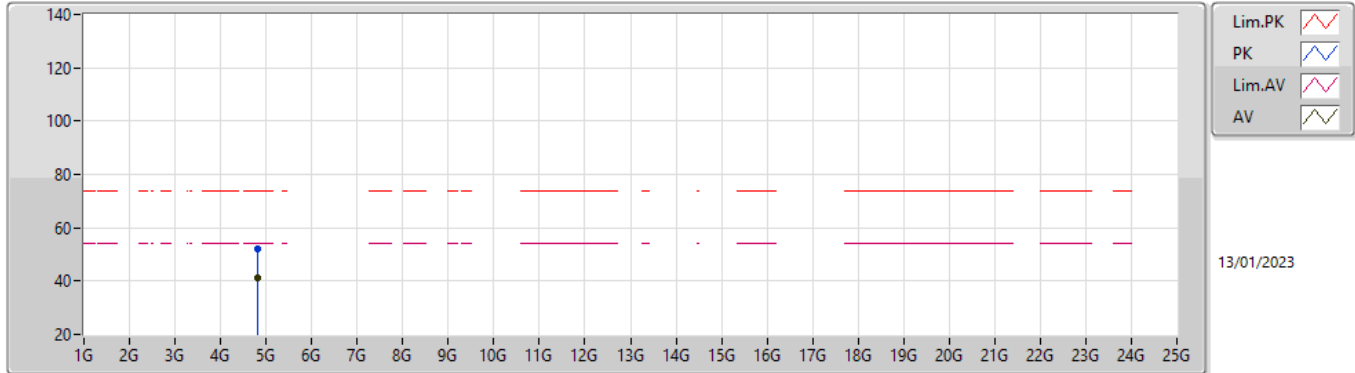


EUT_Z_2TX
Setting 25.5
04-I-E-5

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	4.82382G	49.91	74.00	-24.09	44.61	3	Vertical	88	2.74	-	32.65	5.30	32.65
AV	4.824G	43.46	54.00	-10.54	38.16	3	Vertical	88	2.74	-	32.65	5.30	32.65

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

2412MHz_TX

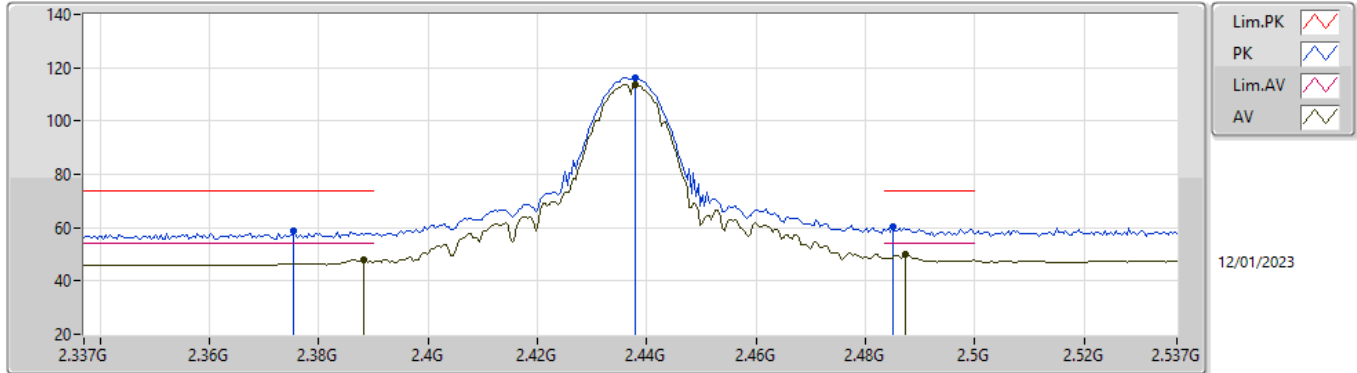


EUT Z_2TX
Setting 25.5
04-I-E-5

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	52.00	74.00	-22.00	46.70	3	Horizontal	88	1.04	-	32.65	5.30	32.65
AV	4.82394G	40.98	54.00	-13.02	35.68	3	Horizontal	88	1.04	-	32.65	5.30	32.65

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

2437MHz_TX

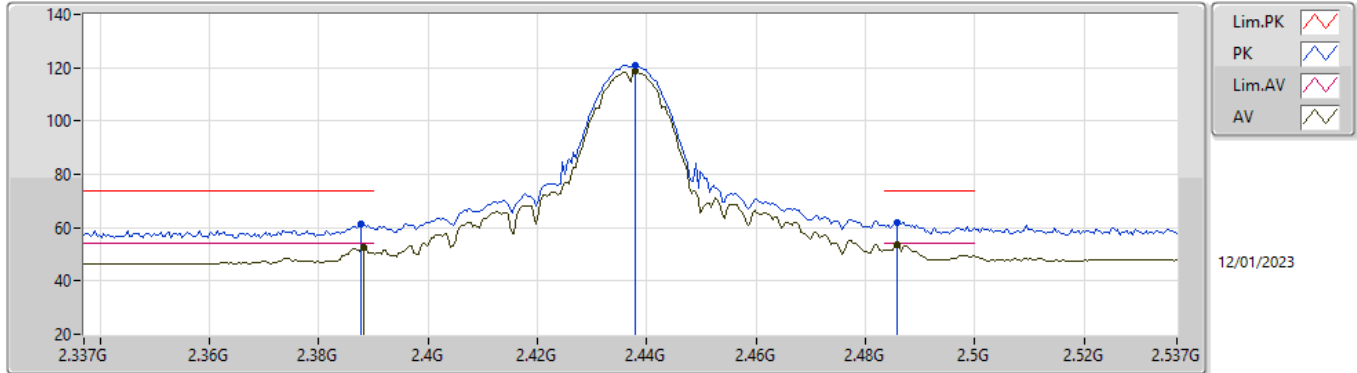


EUT_Z_2TX
Setting 27.5
04-K-A-4

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	2.3754G	58.59	74.00	-15.41	27.85	3	Vertical	138	2.40	-	27.55	3.19	-
AV	2.3882G	47.89	54.00	-6.11	17.07	3	Vertical	138	2.40	-	27.63	3.19	-
PK	2.4378G	116.17	Inf	-Inf	85.23	3	Vertical	138	2.40	-	27.70	3.24	-
AV	2.4378G	113.80	Inf	-Inf	82.86	3	Vertical	138	2.40	-	27.70	3.24	-
PK	2.485G	60.49	74.00	-13.51	29.36	3	Vertical	138	2.40	-	27.84	3.29	-
AV	2.4874G	49.85	54.00	-4.15	18.71	3	Vertical	138	2.40	-	27.85	3.29	-

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

2437MHz_TX

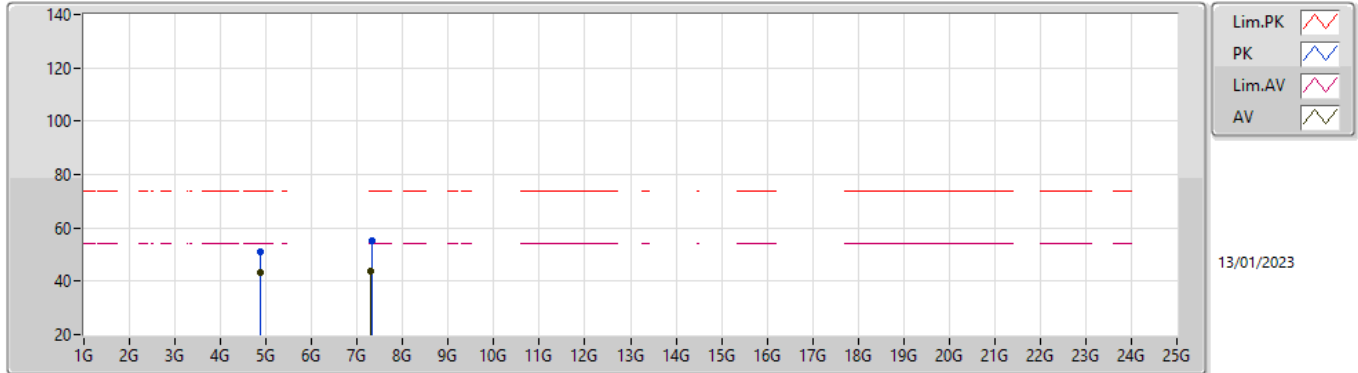


EUT_Z_2TX
Setting 27.5
04-K-A-4

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	2.3878G	61.34	74.00	-12.66	30.52	3	Horizontal	268	1.28	-	27.63	3.19	-
AV	2.3882G	52.75	54.00	-1.25	21.93	3	Horizontal	268	1.28	-	27.63	3.19	-
PK	2.4378G	121.10	Inf	-Inf	90.16	3	Horizontal	268	1.28	-	27.70	3.24	-
AV	2.4378G	118.61	Inf	-Inf	87.67	3	Horizontal	268	1.28	-	27.70	3.24	-
PK	2.4858G	61.85	74.00	-12.15	30.72	3	Horizontal	268	1.28	-	27.84	3.29	-
AV	2.4858G	53.43	54.00	-0.57	22.30	3	Horizontal	268	1.28	-	27.84	3.29	-

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

2437MHz_TX

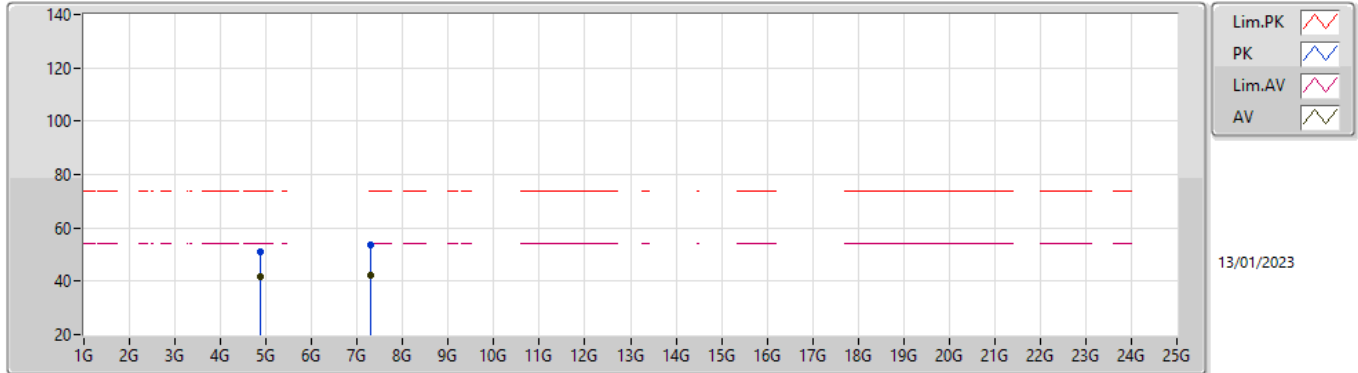


EUT_Z_2TX
Setting 27.5
04-I-E-5

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	4.87406G	50.84	74.00	-23.16	45.42	3	Vertical	281	3.00	-	32.75	5.30	32.63
AV	4.874G	43.25	54.00	-10.75	37.83	3	Vertical	281	3.00	-	32.75	5.30	32.63
PK	7.31226G	55.41	74.00	-18.59	44.02	3	Vertical	355	2.95	-	37.70	6.91	33.22
AV	7.31004G	43.66	54.00	-10.34	32.27	3	Vertical	355	2.95	-	37.70	6.91	33.22

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

2437MHz_TX

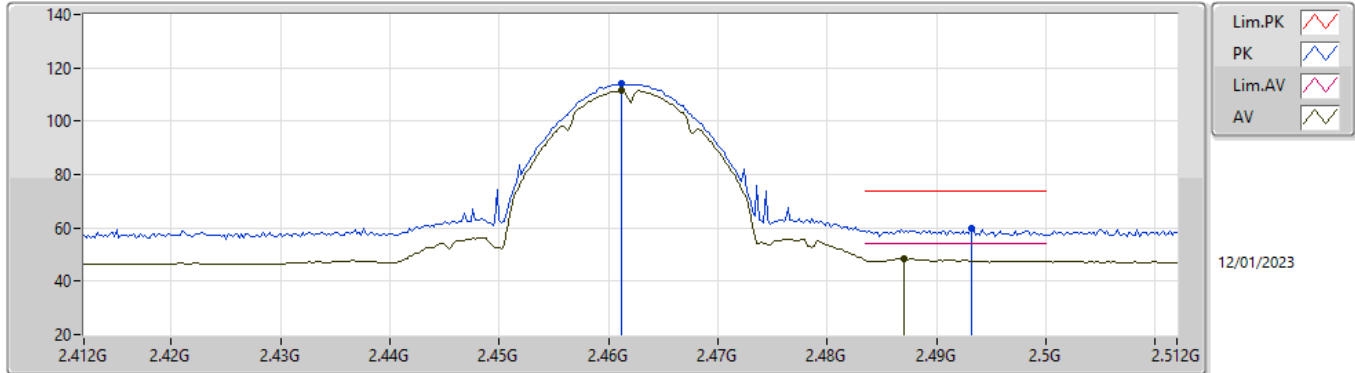


EUT_Z_2TX
Setting 27.5
04-I-E-5

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	4.87394G	50.90	74.00	-23.10	45.48	3	Horizontal	82	1.11	-	32.75	5.30	32.63
AV	4.874G	41.68	54.00	-12.32	36.26	3	Horizontal	82	1.11	-	32.75	5.30	32.63
PK	7.29954G	53.67	74.00	-20.33	42.28	3	Horizontal	29	2.38	-	37.70	6.90	33.21
AV	7.31016G	42.04	54.00	-11.96	30.65	3	Horizontal	29	2.38	-	37.70	6.91	33.22

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

2462MHz_TX

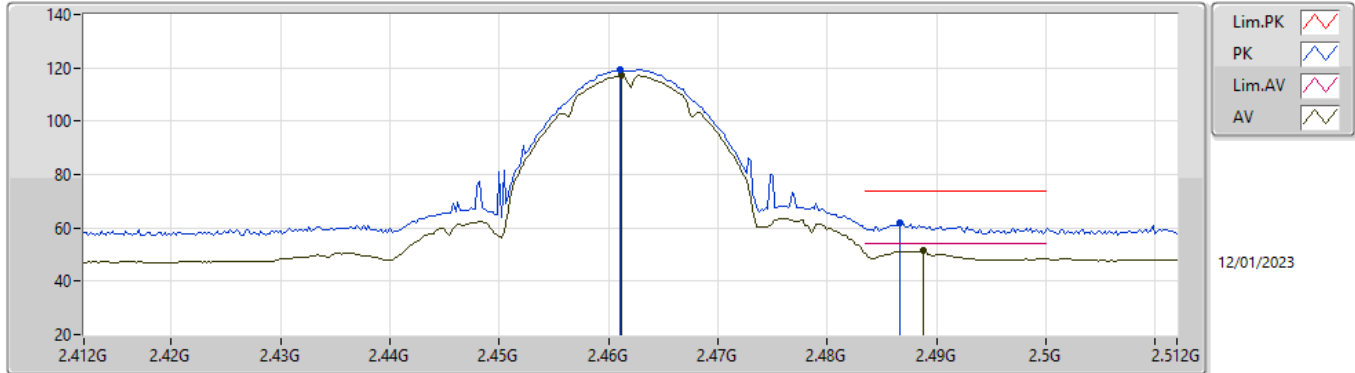


EUT_Z_2TX
Setting 25
04-K-A-4

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	2.4612G	114.03	Inf	-Inf	83.03	3	Vertical	135	2.35	-	27.74	3.26	-
AV	2.4612G	111.61	Inf	-Inf	80.61	3	Vertical	135	2.35	-	27.74	3.26	-
PK	2.4932G	59.65	74.00	-14.35	28.49	3	Vertical	135	2.35	-	27.87	3.29	-
AV	2.487G	48.39	54.00	-5.61	17.25	3	Vertical	135	2.35	-	27.85	3.29	-

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

2462MHz_TX

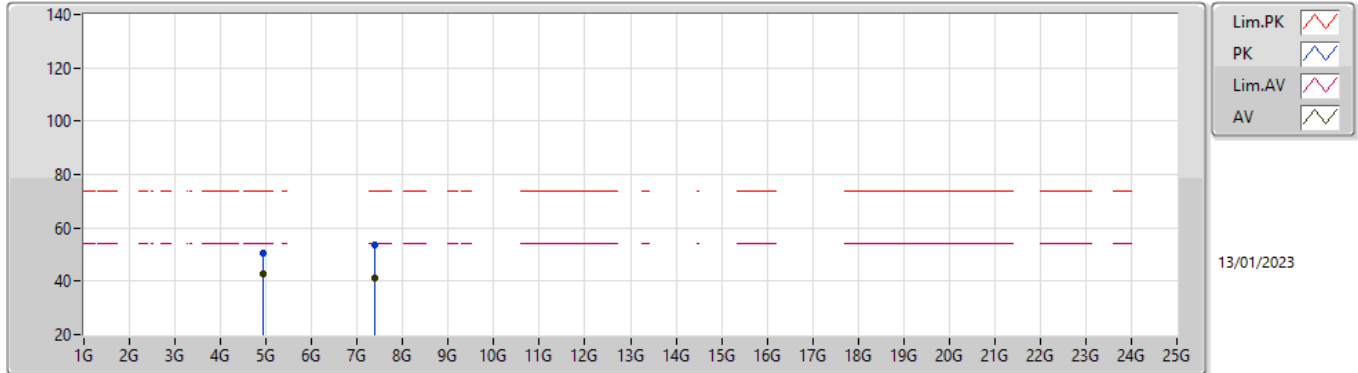


EUT_Z_2TX
Setting 25
04-K-A-4

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	119.45	Inf	-Inf	88.45	3	Horizontal	263	1.09	-	27.74	3.26	-
AV	2.4612G	117.08	Inf	-Inf	86.08	3	Horizontal	263	1.09	-	27.74	3.26	-
PK	2.4866G	61.66	74.00	-12.34	30.52	3	Horizontal	263	1.09	-	27.85	3.29	-
AV	2.4888G	51.61	54.00	-2.39	20.46	3	Horizontal	263	1.09	-	27.86	3.29	-

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

2462MHz_TX

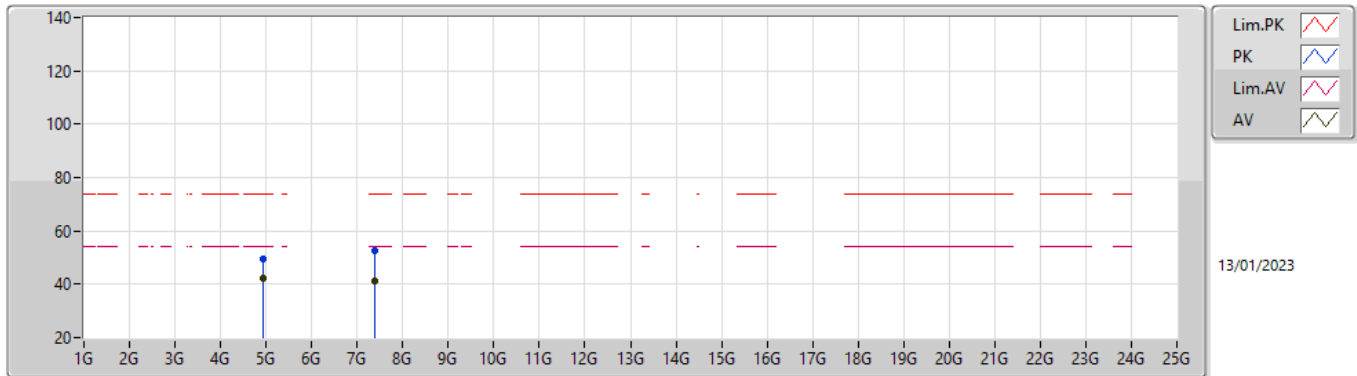


EUT_Z_2TX
Setting 25
04-I-E-5

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	4.92388G	50.33	74.00	-23.67	44.78	3	Vertical	315	2.23	-	32.85	5.30	32.60
AV	4.924G	42.64	54.00	-11.36	37.09	3	Vertical	315	2.23	-	32.85	5.30	32.60
PK	7.3911G	53.46	74.00	-20.54	42.17	3	Vertical	358	2.49	-	37.54	6.99	33.24
AV	7.38504G	41.37	54.00	-12.63	30.06	3	Vertical	358	2.49	-	37.56	6.99	33.24

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

2462MHz_TX

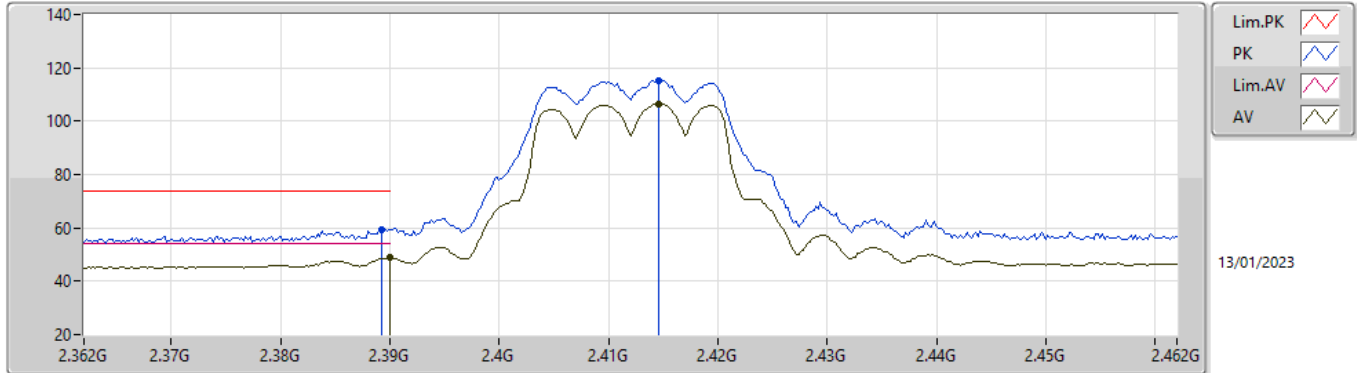


EUT_Z_2TX
Setting 25
04-I-E-5

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	4.92406G	49.70	74.00	-24.30	44.15	3	Horizontal	316	2.48	-	32.85	5.30	32.60
AV	4.924G	42.30	54.00	-11.70	36.75	3	Horizontal	316	2.48	-	32.85	5.30	32.60
PK	7.37442G	52.76	74.00	-21.24	41.43	3	Horizontal	263	1.53	-	37.60	6.97	33.24
AV	7.38444G	41.36	54.00	-12.64	30.06	3	Horizontal	263	1.53	-	37.56	6.98	33.24

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

2412MHz_TX

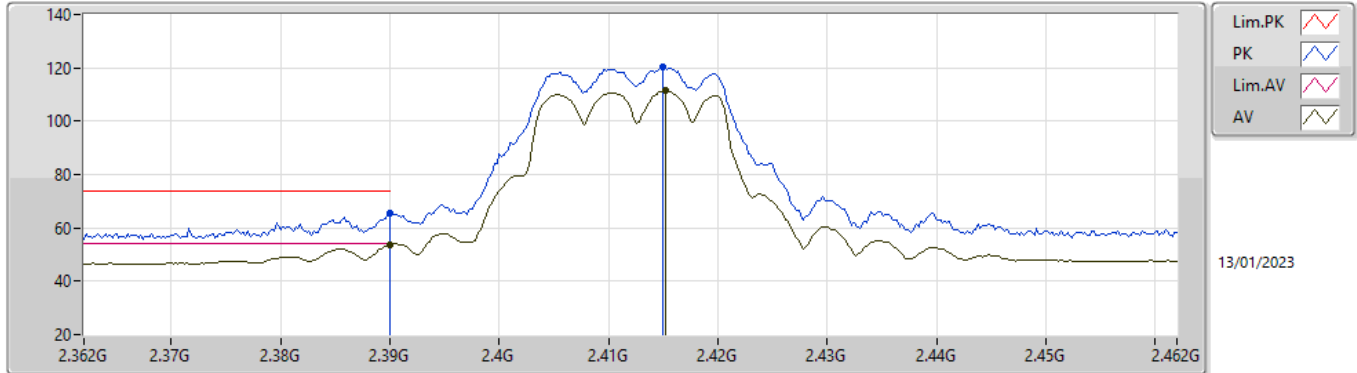


EUT_Z_2TX
Setting 22.5
04-I-E-5

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	2.3892G	59.46	74.00	-14.54	28.63	3	Vertical	165	2.69	-	27.64	3.19	-
AV	2.39G	49.07	54.00	-4.93	18.23	3	Vertical	165	2.69	-	27.64	3.20	-
PK	2.4146G	115.25	Inf	-Inf	84.34	3	Vertical	165	2.69	-	27.70	3.21	-
AV	2.4146G	106.63	Inf	-Inf	75.72	3	Vertical	165	2.69	-	27.70	3.21	-

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

2412MHz_TX

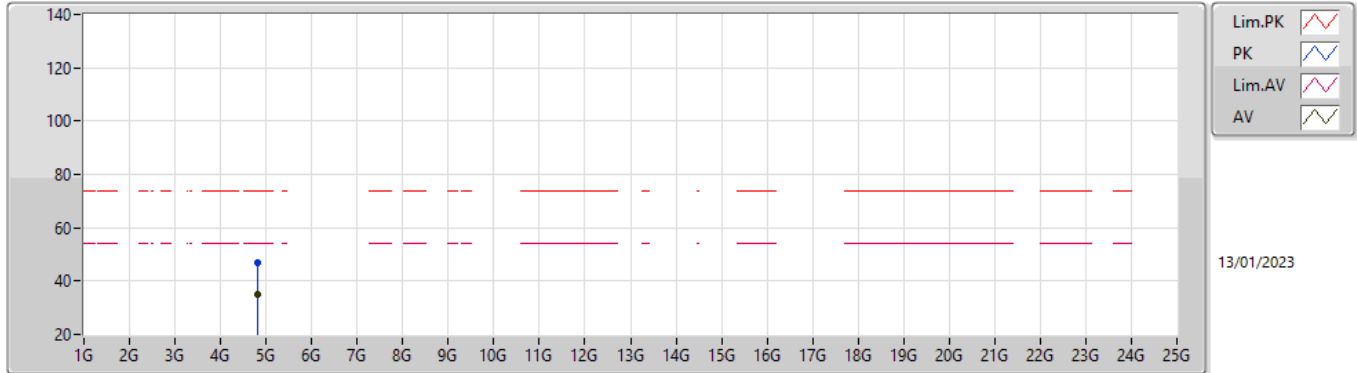


EUT_Z_2TX
Setting 22.5
04-I-E-5

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	65.42	74.00	-8.58	34.58	3	Horizontal	97	1.12	-	27.64	3.20	-
AV	2.39G	53.65	54.00	-0.35	22.81	3	Horizontal	97	1.12	-	27.64	3.20	-
PK	2.415G	120.12	Inf	-Inf	89.21	3	Horizontal	97	1.12	-	27.70	3.21	-
AV	2.4152G	111.34	Inf	-Inf	80.42	3	Horizontal	97	1.12	-	27.70	3.22	-

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

2412MHz_TX

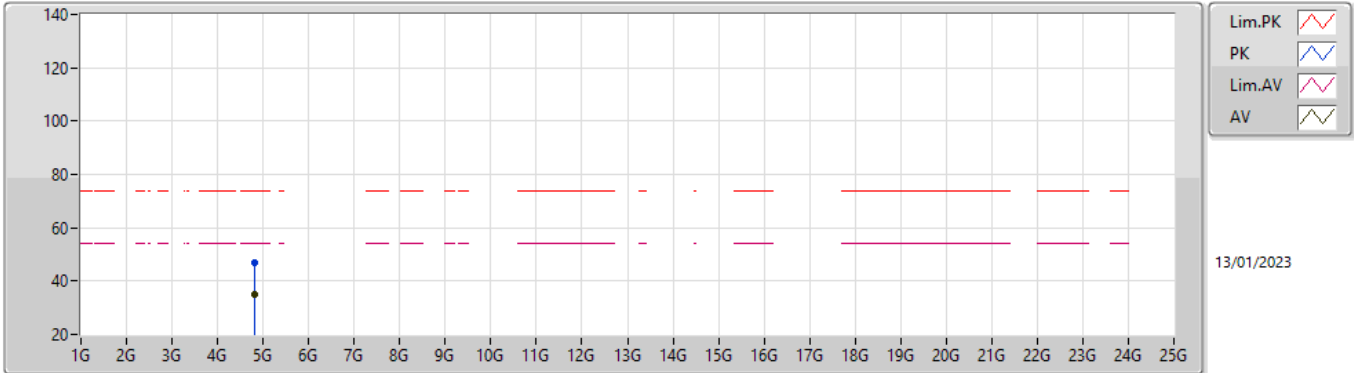


EUT_Z_2TX
Setting 22.5
04-I-E-5

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	4.82196G	46.80	74.00	-27.20	41.51	3	Vertical	23	1.46	-	32.64	5.30	32.65
AV	4.8239G	35.04	54.00	-18.96	29.74	3	Vertical	23	1.46	-	32.65	5.30	32.65

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

2412MHz_TX

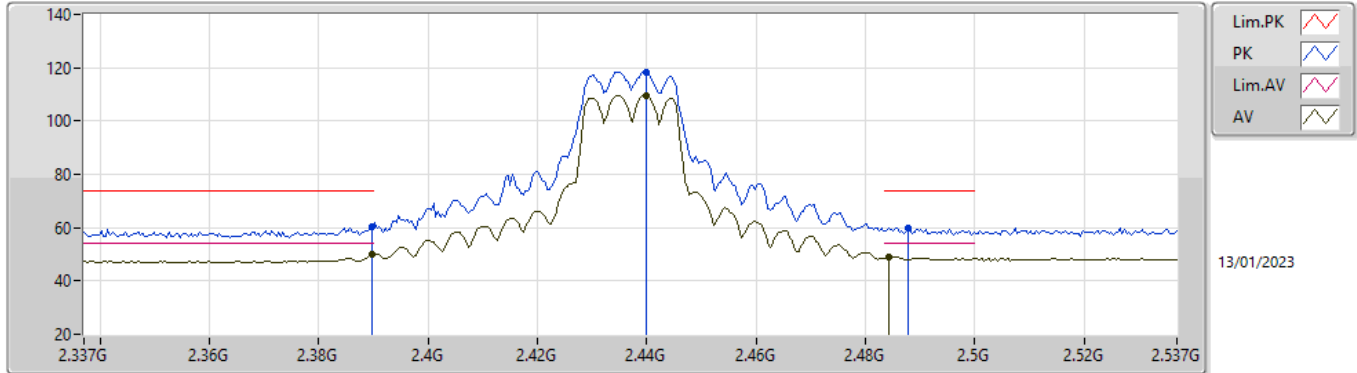


EUT_Z_2TX
Setting 22.5
04-I-E-5

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	4.8265G	46.99	74.00	-27.01	41.69	3	Horizontal	216	1.79	-	32.65	5.30	32.65
AV	4.81942G	34.96	54.00	-19.04	29.67	3	Horizontal	216	1.79	-	32.64	5.30	32.65

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

2437MHz_TX

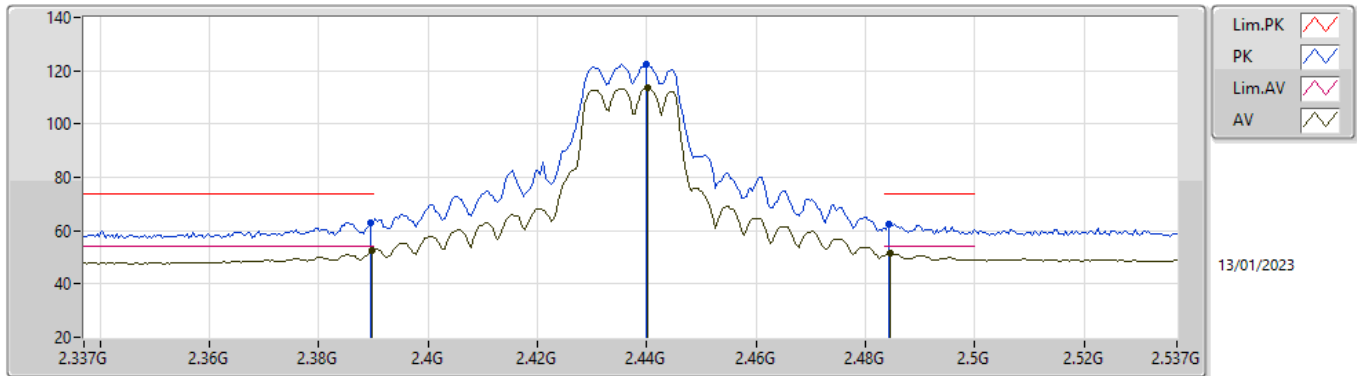


EUT_Z_2TX
Setting 24.5
04-I-E-5

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	60.37	74.00	-13.63	29.54	3	Vertical	166	2.98	-	27.64	3.19	-
AV	2.3898G	49.77	54.00	-4.23	18.94	3	Vertical	166	2.98	-	27.64	3.19	-
PK	2.4398G	118.46	Inf	-Inf	87.52	3	Vertical	166	2.98	-	27.70	3.24	-
AV	2.4398G	109.73	Inf	-Inf	78.79	3	Vertical	166	2.98	-	27.70	3.24	-
PK	2.4878G	59.61	74.00	-14.39	28.47	3	Vertical	166	2.98	-	27.85	3.29	-
AV	2.4842G	49.17	54.00	-4.83	18.05	3	Vertical	166	2.98	-	27.84	3.28	-

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

2437MHz_TX

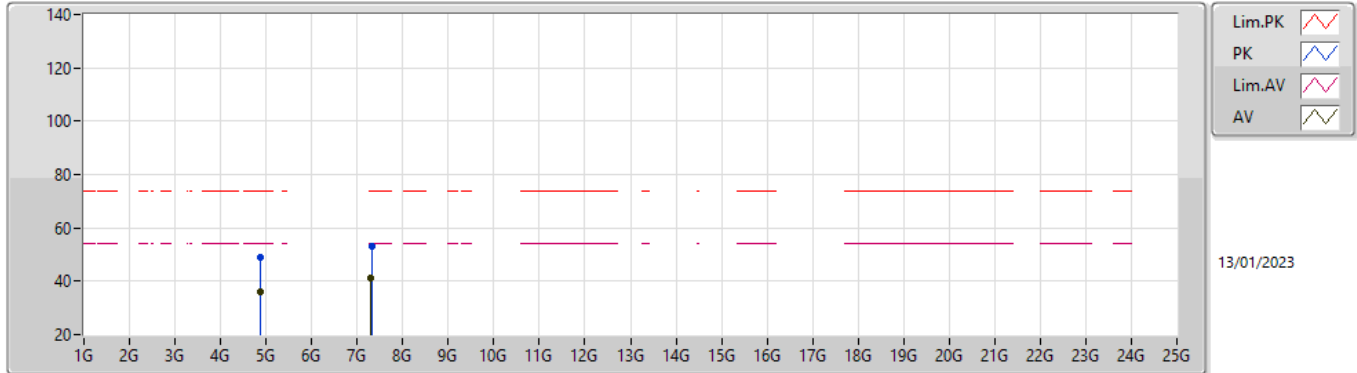


EUT Z_2TX
Setting 24.5
04-I-E-5

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	2.3894G	63.06	74.00	-10.94	32.23	3	Horizontal	97	1.19	-	27.64	3.19	-
AV	2.3898G	52.57	54.00	-1.43	21.74	3	Horizontal	97	1.19	-	27.64	3.19	-
PK	2.4398G	122.55	Inf	-Inf	91.61	3	Horizontal	97	1.19	-	27.70	3.24	-
AV	2.4402G	113.73	Inf	-Inf	82.79	3	Horizontal	97	1.19	-	27.70	3.24	-
PK	2.4842G	62.51	74.00	-11.49	31.39	3	Horizontal	97	1.19	-	27.84	3.28	-
AV	2.4846G	51.49	54.00	-2.51	20.37	3	Horizontal	97	1.19	-	27.84	3.28	-

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

2437MHz_TX

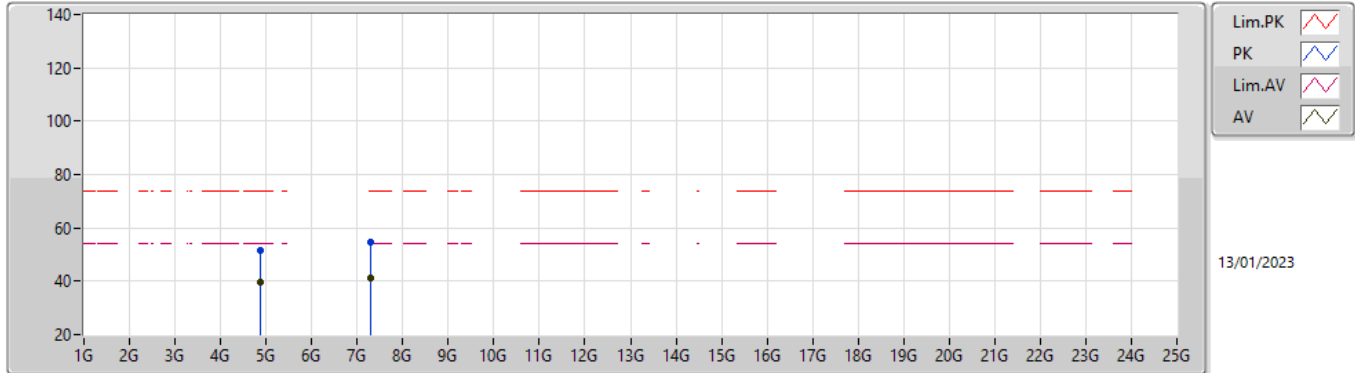


EUT_Z_2TX
Setting 24.5
04-I-E-5

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	4.87346G	48.91	74.00	-25.09	43.49	3	Vertical	226	2.63	-	32.75	5.30	32.63
AV	4.86224G	36.16	54.00	-17.84	30.77	3	Vertical	226	2.63	-	32.72	5.30	32.63
PK	7.32216G	53.30	74.00	-20.70	41.90	3	Vertical	360	2.78	-	37.70	6.92	33.22
AV	7.30368G	41.32	54.00	-12.68	29.93	3	Vertical	360	2.78	-	37.70	6.90	33.21

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

2437MHz_TX

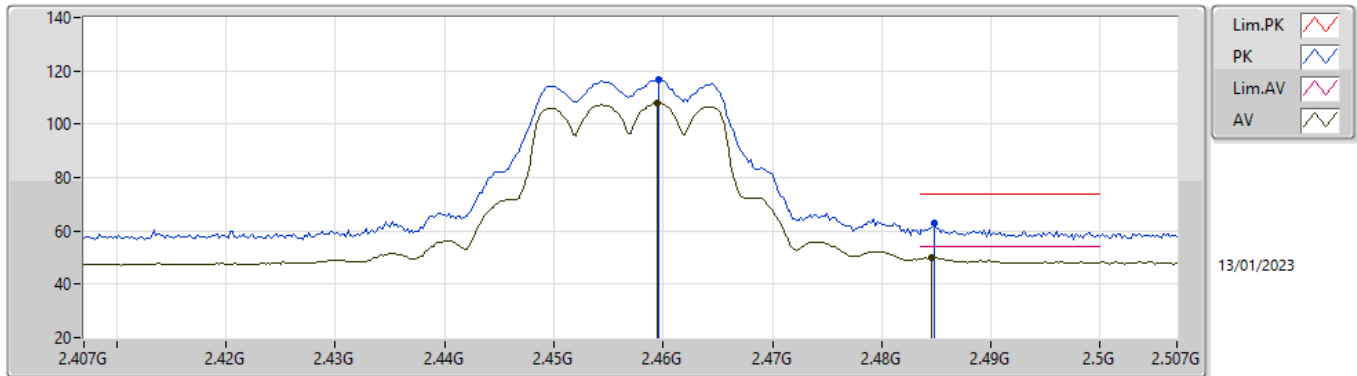


EUT_Z_2TX
Setting 24.5
04-I-E-5

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	4.8695G	51.71	74.00	-22.29	46.30	3	Horizontal	93	2.12	-	32.74	5.30	32.63
AV	4.8737G	39.42	54.00	-14.58	34.00	3	Horizontal	93	2.12	-	32.75	5.30	32.63
PK	7.30344G	54.45	74.00	-19.55	43.06	3	Horizontal	132	1.80	-	37.70	6.90	33.21
AV	7.30614G	41.38	54.00	-12.62	29.98	3	Horizontal	132	1.80	-	37.70	6.91	33.21

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

2457MHz_TX

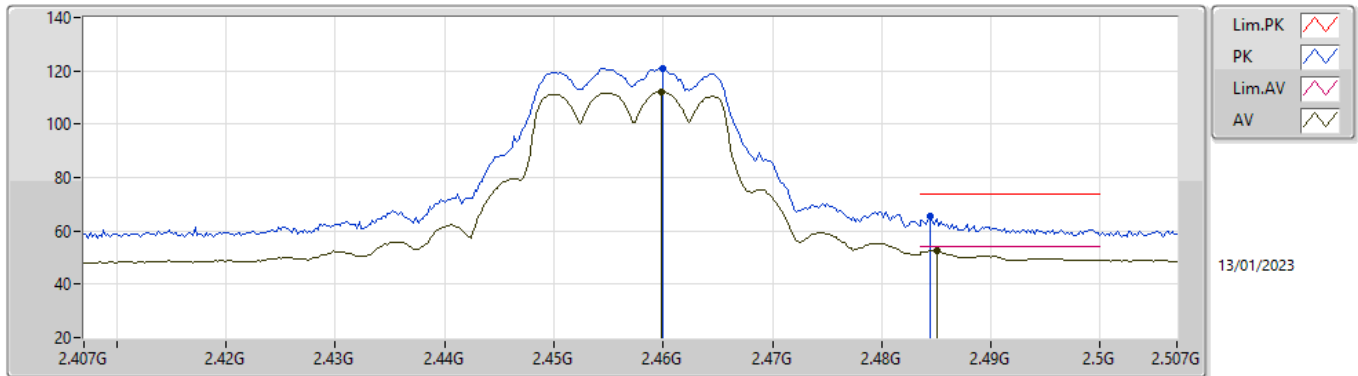


EUT_Z_2TX
Setting 22.5
04-I-E-5

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	2.4596G	116.65	Inf	-Inf	85.65	3	Vertical	162	2.92	-	27.74	3.26	-
AV	2.4594G	107.94	Inf	-Inf	76.94	3	Vertical	162	2.92	-	27.74	3.26	-
PK	2.4848G	63.11	74.00	-10.89	31.99	3	Vertical	162	2.92	-	27.84	3.28	-
AV	2.4846G	50.09	54.00	-3.91	18.97	3	Vertical	162	2.92	-	27.84	3.28	-

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

2457MHz_TX

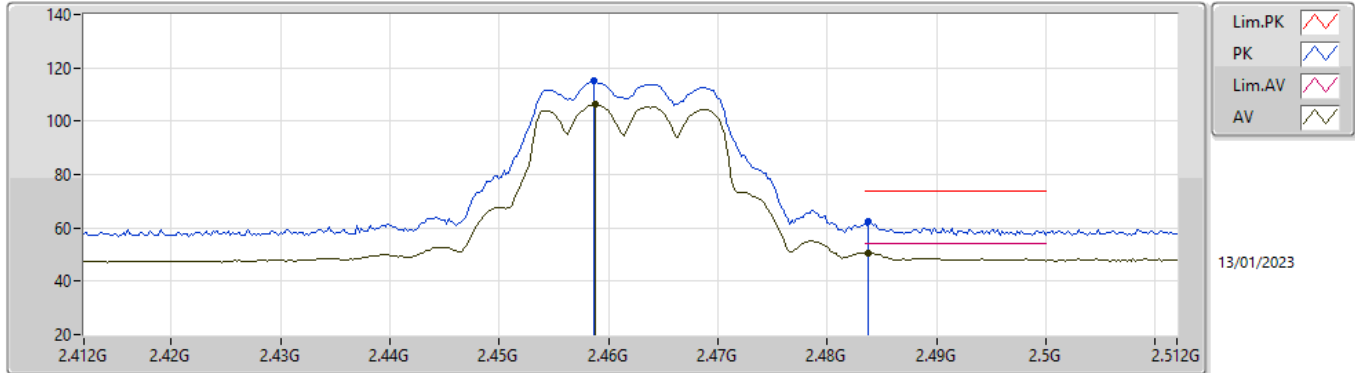


EUT_Z_2TX
Setting 22.5
04-I-E-5

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	2.46G	121.00	Inf	-Inf	90.00	3	Horizontal	94	1.06	-	27.74	3.26	-
AV	2.4598G	112.21	Inf	-Inf	81.21	3	Horizontal	94	1.06	-	27.74	3.26	-
PK	2.4844G	65.68	74.00	-8.32	34.56	3	Horizontal	94	1.06	-	27.84	3.28	-
AV	2.485G	52.38	54.00	-1.62	21.25	3	Horizontal	94	1.06	-	27.84	3.29	-

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

2462MHz_TX

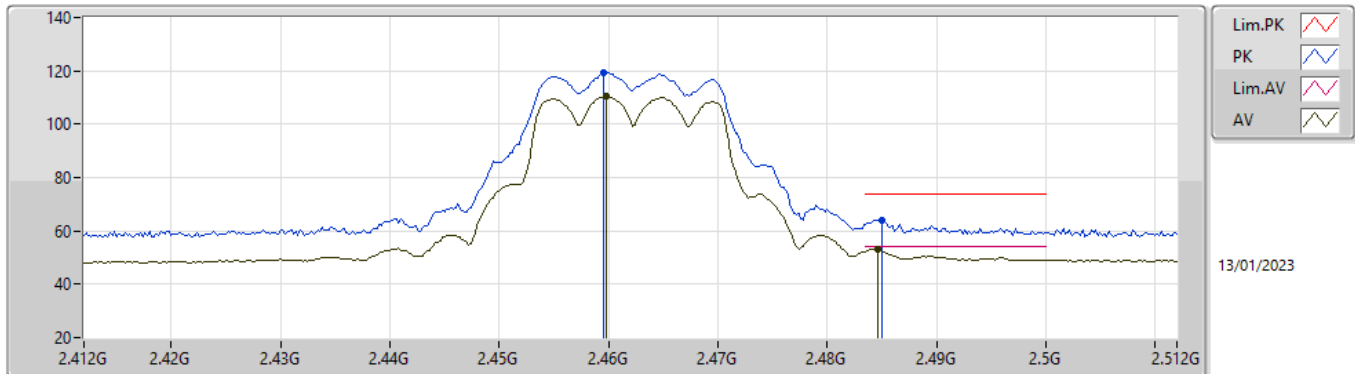


EUT_Z_2TX
Setting 21
04-I-E-5

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	2.4586G	115.25	Inf	-Inf	84.26	3	Vertical	155	2.92	-	27.73	3.26	-
AV	2.4588G	106.26	Inf	-Inf	75.26	3	Vertical	155	2.92	-	27.74	3.26	-
PK	2.4838G	62.20	74.00	-11.80	31.08	3	Vertical	155	2.92	-	27.84	3.28	-
AV	2.4838G	50.71	54.00	-3.29	19.59	3	Vertical	155	2.92	-	27.84	3.28	-

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

2462MHz_TX

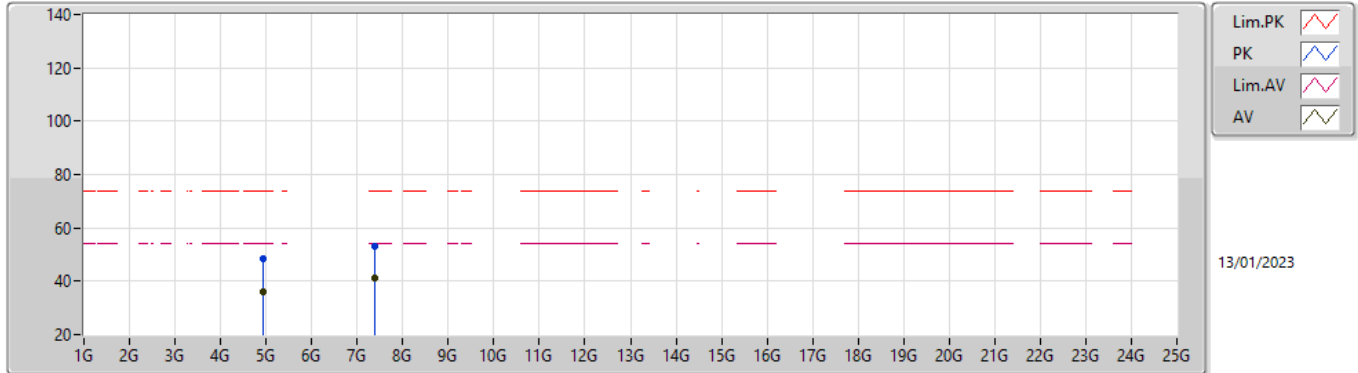


EUT_Z_2TX
Setting 21
04-I-E-5

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	2.4596G	119.35	Inf	-Inf	88.35	3	Horizontal	92	1.06	-	27.74	3.26	-
AV	2.4598G	110.32	Inf	-Inf	79.32	3	Horizontal	92	1.06	-	27.74	3.26	-
PK	2.485G	64.17	74.00	-9.83	33.04	3	Horizontal	92	1.06	-	27.84	3.29	-
AV	2.4846G	53.16	54.00	-0.84	22.04	3	Horizontal	92	1.06	-	27.84	3.28	-

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

2462MHz_TX

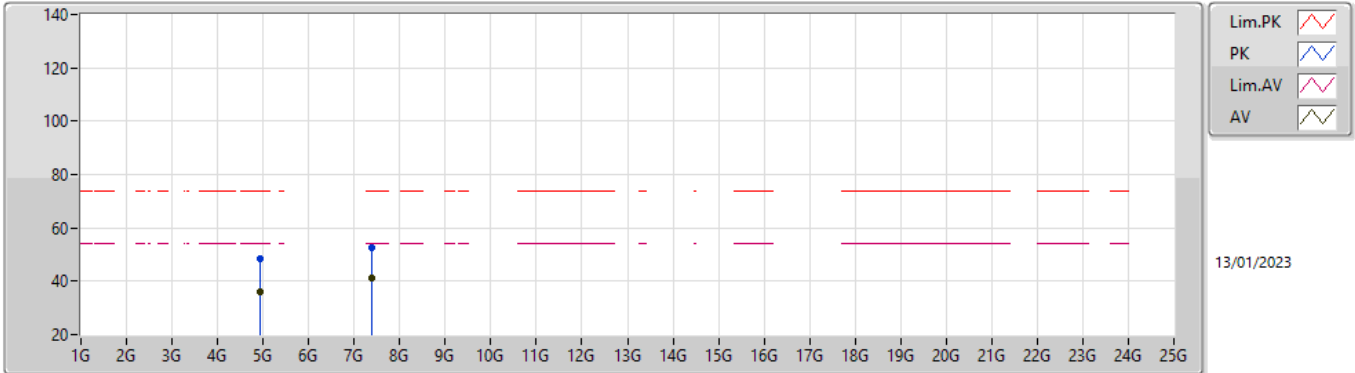


EUT_Z_2TX
Setting 21
04-I-E-5

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	4.92432G	48.19	74.00	-25.81	42.64	3	Vertical	33	2.95	-	32.85	5.30	32.60
AV	4.92374G	36.04	54.00	-17.96	30.49	3	Vertical	33	2.95	-	32.85	5.30	32.60
PK	7.38852G	53.24	74.00	-20.76	41.94	3	Vertical	218	1.90	-	37.55	6.99	33.24
AV	7.38466G	41.09	54.00	-12.91	29.79	3	Vertical	338	1.61	-	37.56	6.98	33.24

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

2462MHz_TX

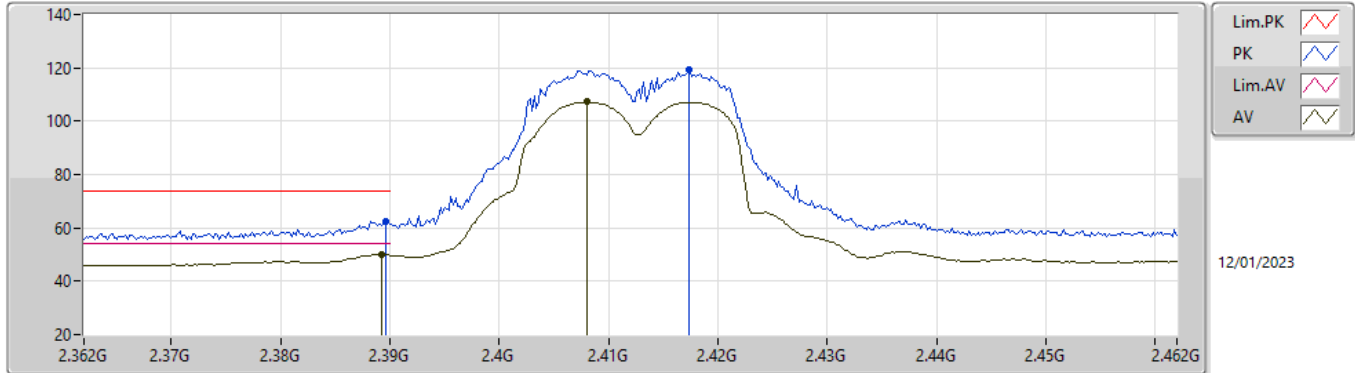


EUT_Z_2TX
Setting 21
04-I-E-5

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	4.92602G	48.35	74.00	-25.65	42.80	3	Horizontal	238	2.41	-	32.85	5.30	32.60
AV	4.92624G	35.92	54.00	-18.08	30.37	3	Horizontal	238	2.41	-	32.85	5.30	32.60
PK	7.38654G	52.77	74.00	-21.23	41.47	3	Horizontal	36	1.53	-	37.55	6.99	33.24
AV	7.38802G	41.15	54.00	-12.85	29.85	3	Horizontal	36	1.53	-	37.55	6.99	33.24

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

2412MHz_TX

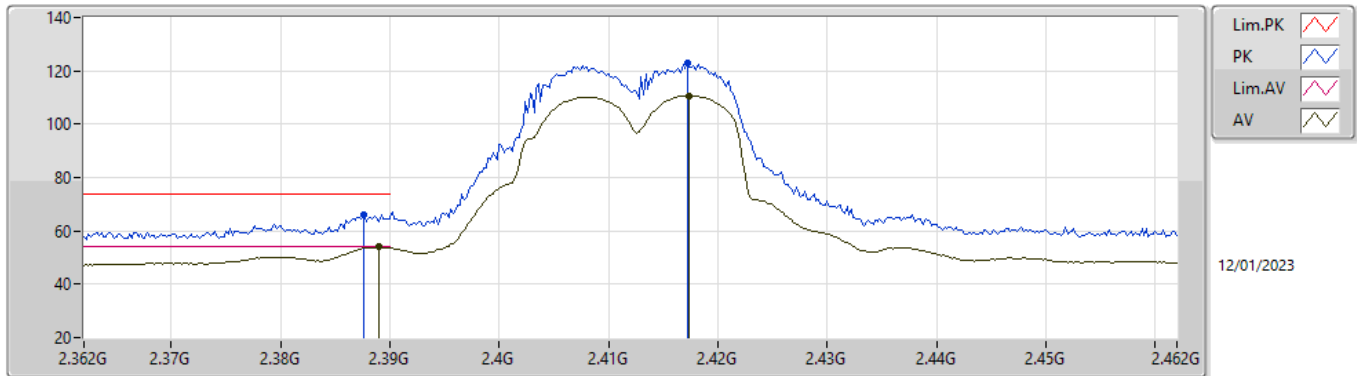


EUT_Z_2TX
Setting 23
04-K-A-4

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	62.64	74.00	-11.36	31.81	3	Vertical	165	3.00	-	27.64	3.19	-
AV	2.3892G	50.01	54.00	-3.99	19.18	3	Vertical	165	3.00	-	27.64	3.19	-
PK	2.4174G	119.48	Inf	-Inf	88.56	3	Vertical	165	3.00	-	27.70	3.22	-
AV	2.408G	107.25	Inf	-Inf	76.34	3	Vertical	165	3.00	-	27.70	3.21	-

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

2412MHz_TX

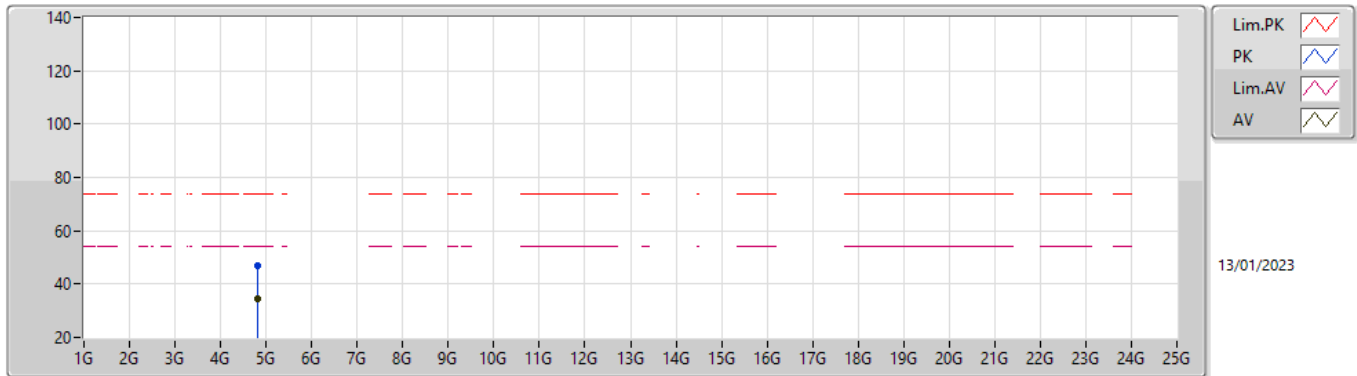


EUT_Z_2TX
Setting 23
04-K-A-4

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	2.3876G	66.10	74.00	-7.90	35.28	3	Horizontal	89	1.14	-	27.63	3.19	-
AV	2.389G	53.91	54.00	-0.09	23.09	3	Horizontal	89	1.14	-	27.63	3.19	-
PK	2.4172G	122.91	Inf	-Inf	91.99	3	Horizontal	89	1.14	-	27.70	3.22	-
AV	2.4174G	110.64	Inf	-Inf	79.72	3	Horizontal	89	1.14	-	27.70	3.22	-

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

2412MHz_TX

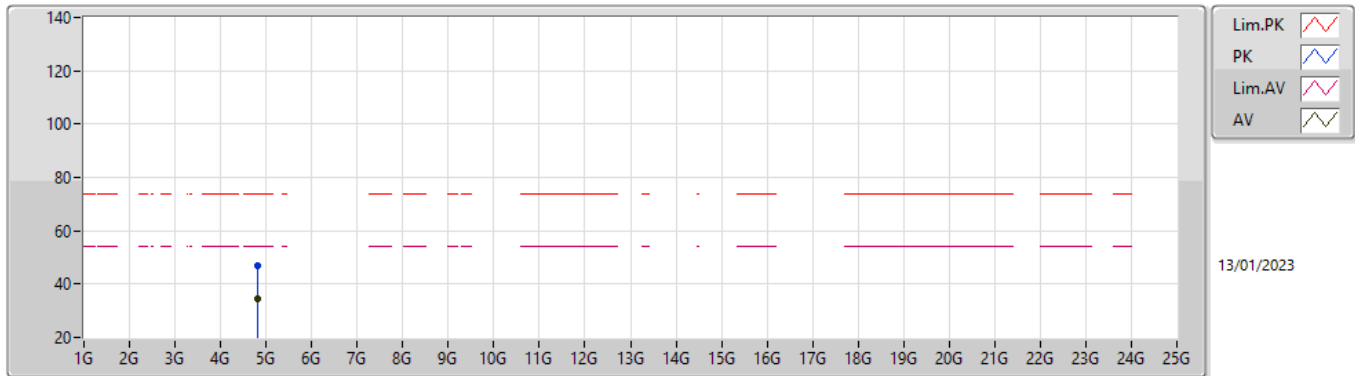


EUT Z_2TX
Setting 23
04-I-E-4

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	4.8237G	46.96	74.00	-27.04	41.66	3	Vertical	128	2.03	-	32.65	5.30	32.65
AV	4.82392G	34.71	54.00	-19.29	29.41	3	Vertical	128	2.03	-	32.65	5.30	32.65

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

2412MHz_TX

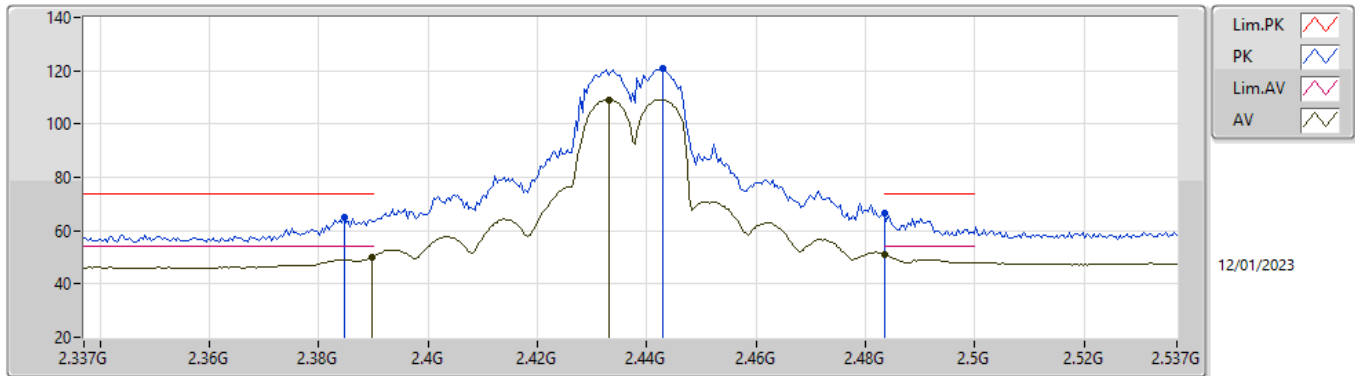


EUT_Z_2TX
Setting 23
04-I-E-4

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	4.82502G	46.92	74.00	-27.08	41.62	3	Horizontal	42	1.77	-	32.65	5.30	32.65
AV	4.81942G	34.64	54.00	-19.36	29.35	3	Horizontal	42	1.77	-	32.64	5.30	32.65

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

2437MHz_TX

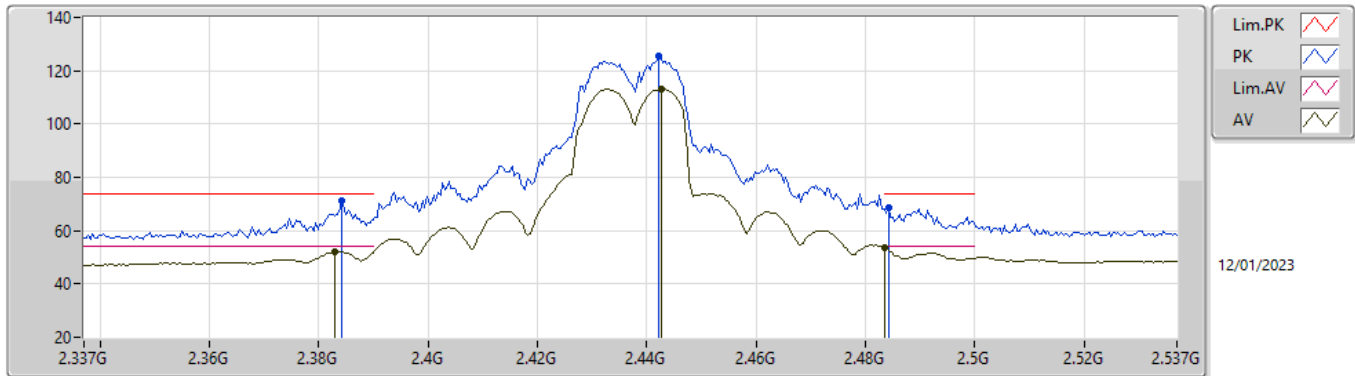


EUT Z_2TX
Setting 25.5
04-K-A-4

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	64.93	74.00	-9.07	34.13	3	Vertical	166	2.65	-	27.61	3.19	-
AV	2.3898G	50.19	54.00	-3.81	19.36	3	Vertical	166	2.65	-	27.64	3.19	-
PK	2.443G	120.84	Inf	-Inf	89.90	3	Vertical	166	2.65	-	27.70	3.24	-
AV	2.433G	109.22	Inf	-Inf	78.29	3	Vertical	166	2.65	-	27.70	3.23	-
PK	2.4835G	66.40	74.00	-7.60	35.29	3	Vertical	166	2.65	-	27.83	3.28	-
AV	2.4835G	51.23	54.00	-2.77	20.12	3	Vertical	166	2.65	-	27.83	3.28	-

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

2437MHz_TX

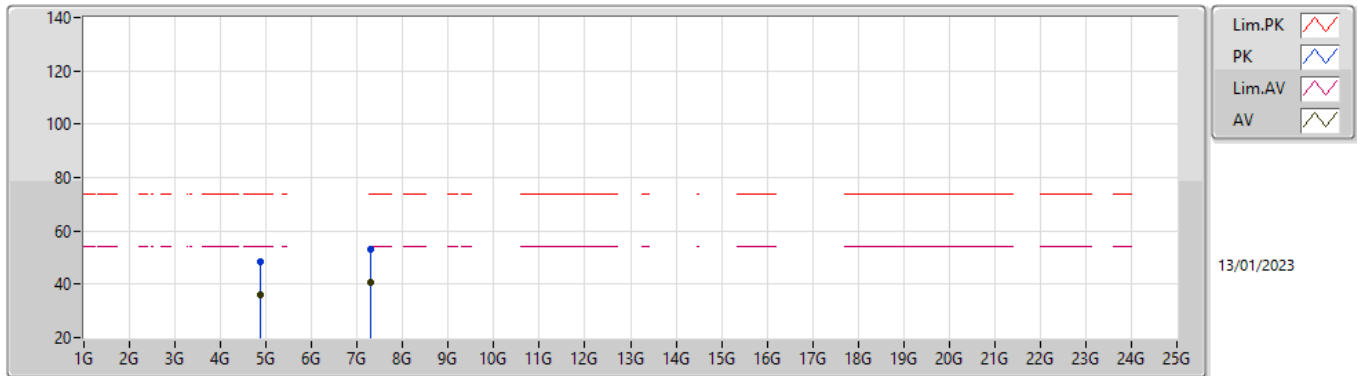


EUT_Z_2TX
Setting 25.5
04-K-A-4

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	2.3842G	71.13	74.00	-2.87	40.33	3	Horizontal	88	1.08	-	27.61	3.19	-
AV	2.383G	52.20	54.00	-1.80	21.41	3	Horizontal	88	1.08	-	27.60	3.19	-
PK	2.4422G	125.29	Inf	-Inf	94.35	3	Horizontal	88	1.08	-	27.70	3.24	-
AV	2.4426G	113.13	Inf	-Inf	82.19	3	Horizontal	88	1.08	-	27.70	3.24	-
PK	2.4842G	68.72	74.00	-5.28	37.60	3	Horizontal	88	1.08	-	27.84	3.28	-
AV	2.4835G	53.40	54.00	-0.60	22.29	3	Horizontal	88	1.08	-	27.83	3.28	-

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

2437MHz_TX

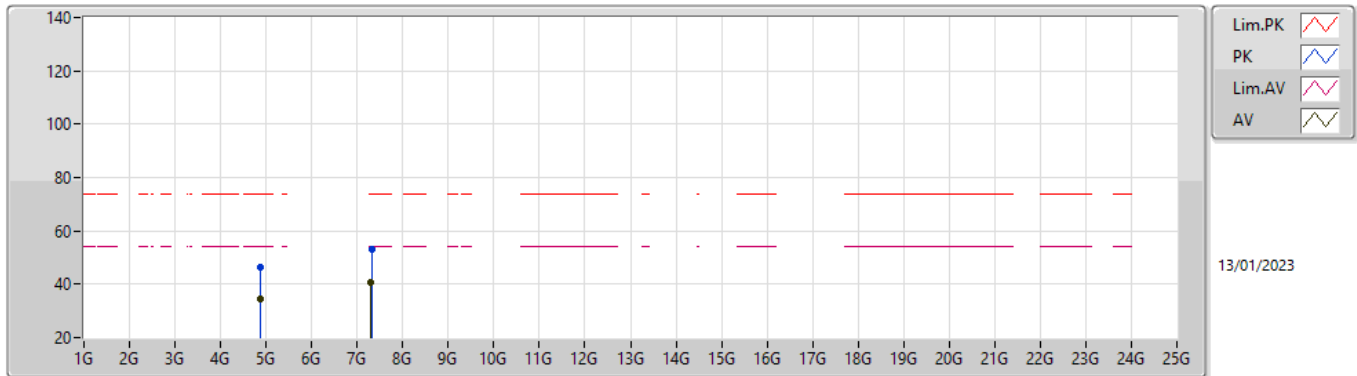


EUT_Z_2TX
Setting 25.5
04-I-E-5

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	4.85954G	48.20	74.00	-25.80	42.81	3	Vertical	226	2.62	-	32.72	5.30	32.63
AV	4.86242G	36.02	54.00	-17.98	30.63	3	Vertical	226	2.62	-	32.72	5.30	32.63
PK	7.30056G	53.17	74.00	-20.83	41.78	3	Vertical	44	1.80	-	37.70	6.90	33.21
AV	7.3062G	40.93	54.00	-13.07	29.53	3	Vertical	44	1.80	-	37.70	6.91	33.21

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

2437MHz_TX

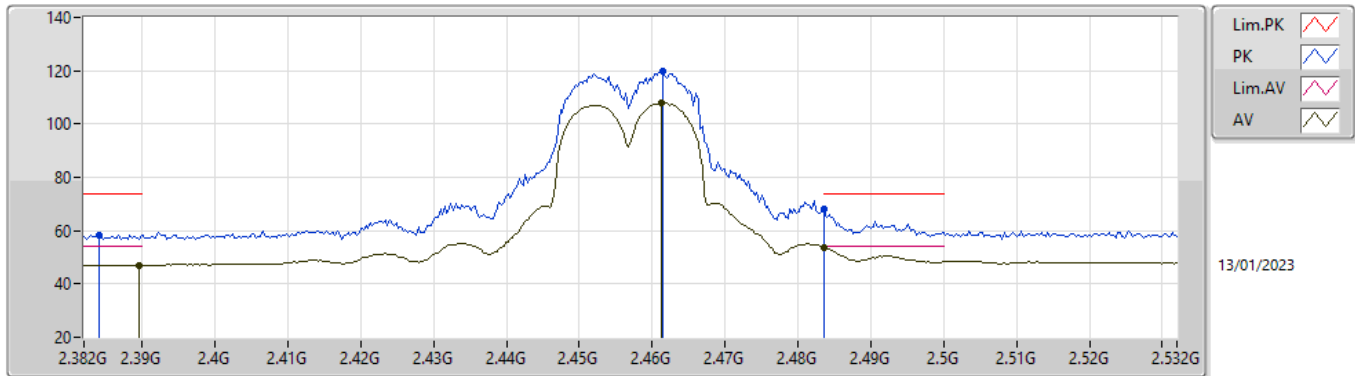


EUT_Z_2TX
Setting 25.5
04-I-E-5

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	4.871G	46.60	74.00	-27.40	41.19	3	Horizontal	201	2.54	-	32.74	5.30	32.63
AV	4.86632G	34.57	54.00	-19.43	29.17	3	Horizontal	201	2.54	-	32.73	5.30	32.63
PK	7.32384G	53.33	74.00	-20.67	41.93	3	Horizontal	240	1.48	-	37.70	6.92	33.22
AV	7.30308G	40.81	54.00	-13.19	29.42	3	Horizontal	240	1.48	-	37.70	6.90	33.21

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

2457MHz_TX

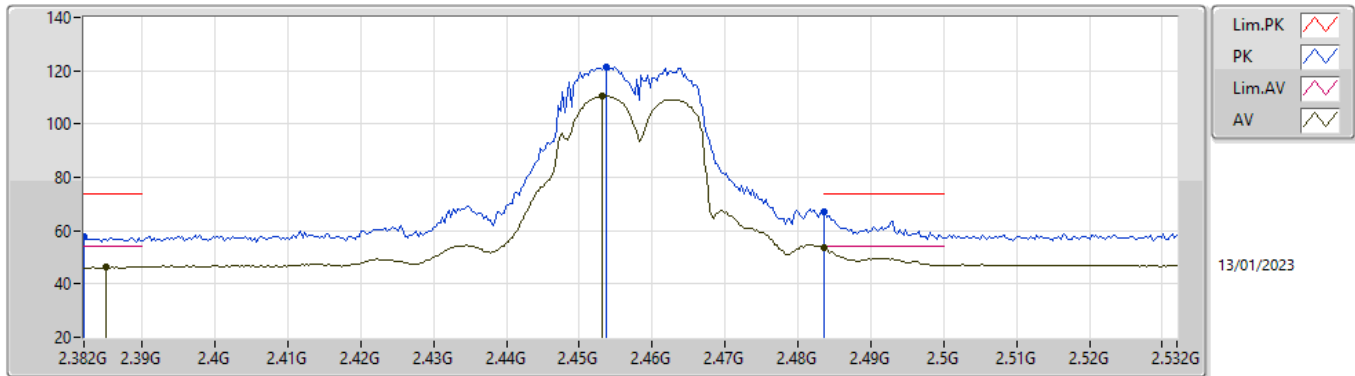


EUT_Z_2TX
Setting 23.5
04-I-E-5

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	2.3841G	58.35	74.00	-15.65	27.56	3	Vertical	161	2.93	-	27.60	3.19	-
AV	2.3895G	47.13	54.00	-6.87	16.30	3	Vertical	161	2.93	-	27.64	3.19	-
PK	2.4615G	119.73	Inf	-Inf	88.72	3	Vertical	161	2.93	-	27.75	3.26	-
AV	2.4612G	107.94	Inf	-Inf	76.94	3	Vertical	161	2.93	-	27.74	3.26	-
PK	2.4835G	68.29	74.00	-5.71	37.18	3	Vertical	161	2.93	-	27.83	3.28	-
AV	2.4835G	53.74	54.00	-0.26	22.63	3	Vertical	161	2.93	-	27.83	3.28	-

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

2457MHz_TX

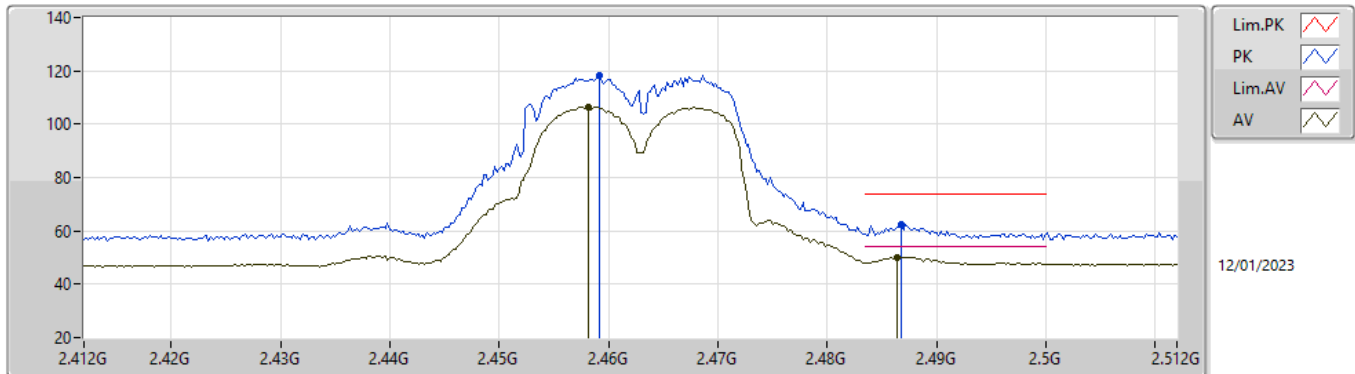


EUT_Z_2TX
Setting 23.5
04-I-E-5

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	2.382G	57.72	74.00	-16.28	26.94	3	Horizontal	92	1.20	-	27.59	3.19	-
AV	2.385G	46.58	54.00	-7.42	15.78	3	Horizontal	92	1.20	-	27.61	3.19	-
PK	2.4537G	121.57	Inf	-Inf	90.61	3	Horizontal	92	1.20	-	27.71	3.25	-
AV	2.4531G	110.57	Inf	-Inf	79.61	3	Horizontal	92	1.20	-	27.71	3.25	-
PK	2.4835G	67.32	74.00	-6.68	36.21	3	Horizontal	92	1.20	-	27.83	3.28	-
AV	2.4835G	53.83	54.00	-0.17	22.72	3	Horizontal	92	1.20	-	27.83	3.28	-

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

2462MHz_TX

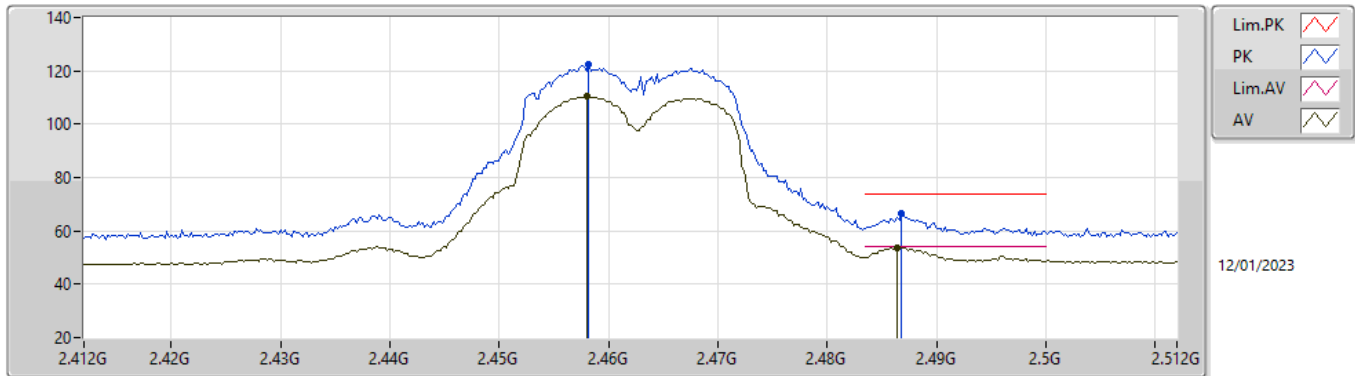


EUT_Z_2TX
Setting 22.5
04-K-A-4

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	2.4592G	118.24	Inf	-Inf	87.24	3	Vertical	166	2.93	-	27.74	3.26	-
AV	2.4582G	106.36	Inf	-Inf	75.37	3	Vertical	166	2.93	-	27.73	3.26	-
PK	2.4868G	62.55	74.00	-11.45	31.41	3	Vertical	166	2.93	-	27.85	3.29	-
AV	2.4864G	50.23	54.00	-3.77	19.09	3	Vertical	166	2.93	-	27.85	3.29	-

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

2462MHz_TX

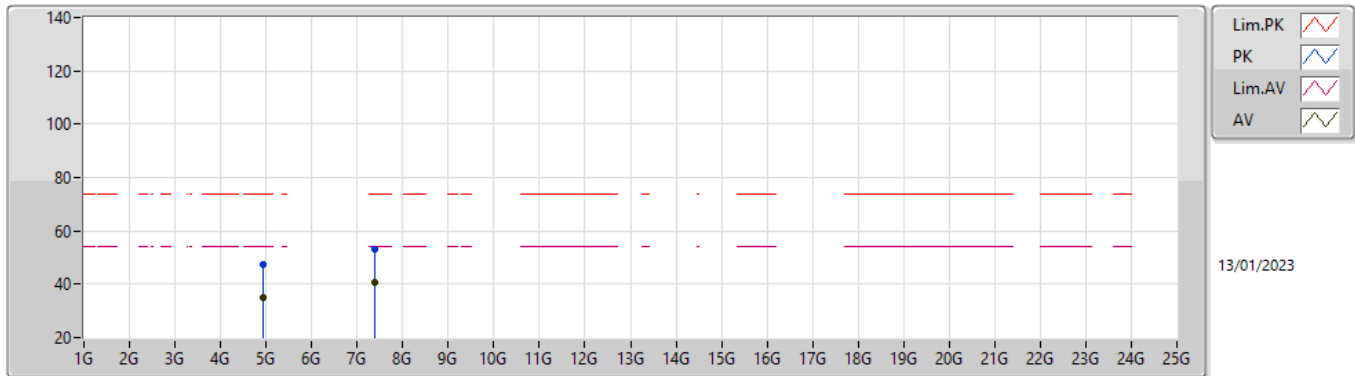


EUT_Z_2TX
Setting 22.5
04-K-A-4

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	122.19	Inf	-Inf	91.20	3	Horizontal	91	1.05	-	27.73	3.26	-
AV	2.458G	110.35	Inf	-Inf	79.36	3	Horizontal	91	1.05	-	27.73	3.26	-
PK	2.4868G	66.32	74.00	-7.68	35.18	3	Horizontal	91	1.05	-	27.85	3.29	-
AV	2.4864G	53.81	54.00	-0.19	22.67	3	Horizontal	91	1.05	-	27.85	3.29	-

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

2462MHz_TX

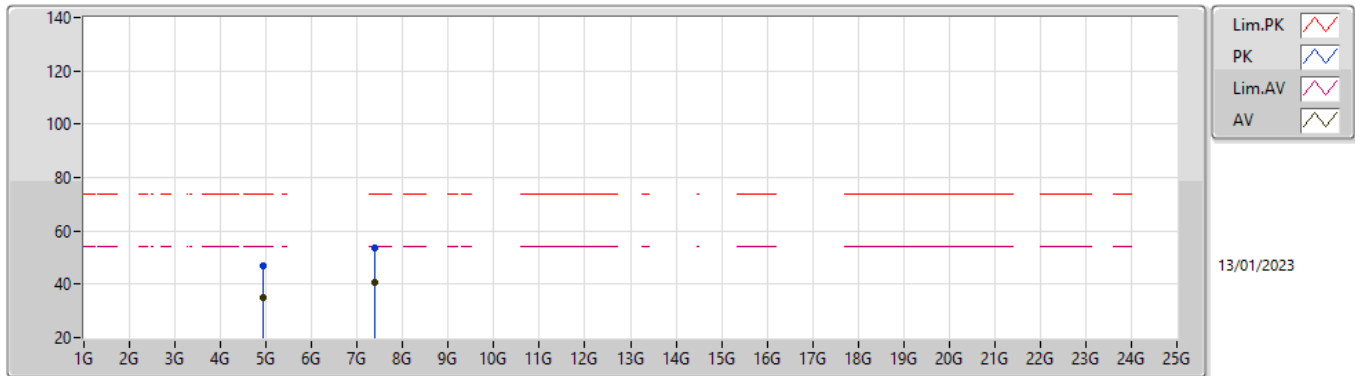


EUT_Z_2TX
Setting 22.5
04-I-E-5

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	4.92394G	47.61	74.00	-26.39	42.06	3	Vertical	113	1.39	-	32.85	5.30	32.60
AV	4.92084G	34.99	54.00	-19.01	29.45	3	Vertical	113	1.39	-	32.84	5.30	32.60
PK	7.38404G	53.13	74.00	-20.87	41.83	3	Vertical	116	2.15	-	37.56	6.98	33.24
AV	7.38512G	40.58	54.00	-13.42	29.27	3	Vertical	116	2.15	-	37.56	6.99	33.24

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

2462MHz_TX

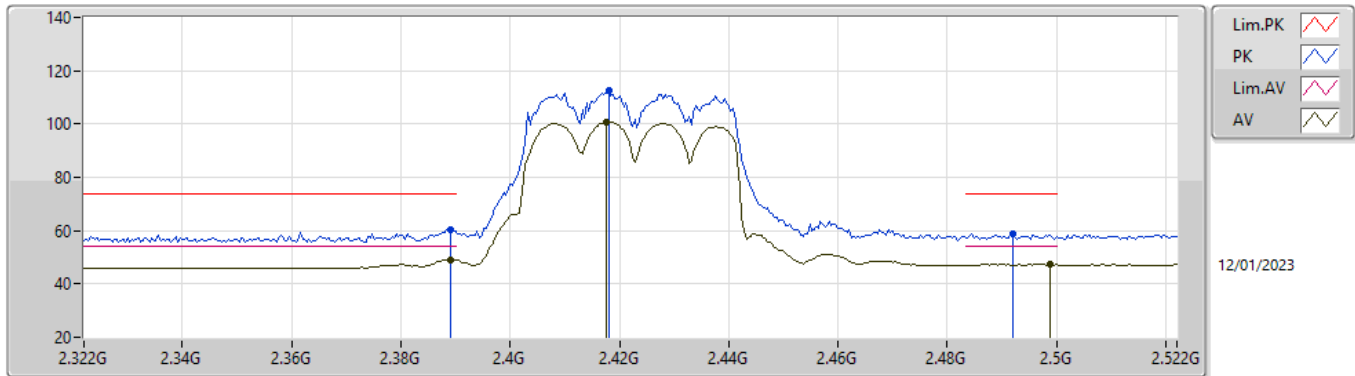


EUT_Z_2TX
Setting 22.5
04-I-E-5

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	4.92264G	46.83	74.00	-27.17	41.28	3	Horizontal	225	2.07	-	32.85	5.30	32.60
AV	4.91948G	35.06	54.00	-18.94	29.52	3	Horizontal	225	2.07	-	32.84	5.30	32.60
PK	7.38192G	53.37	74.00	-20.63	42.06	3	Horizontal	211	1.98	-	37.57	6.98	33.24
AV	7.3865G	40.69	54.00	-13.31	29.39	3	Horizontal	211	1.98	-	37.55	6.99	33.24

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

2422MHz_TX

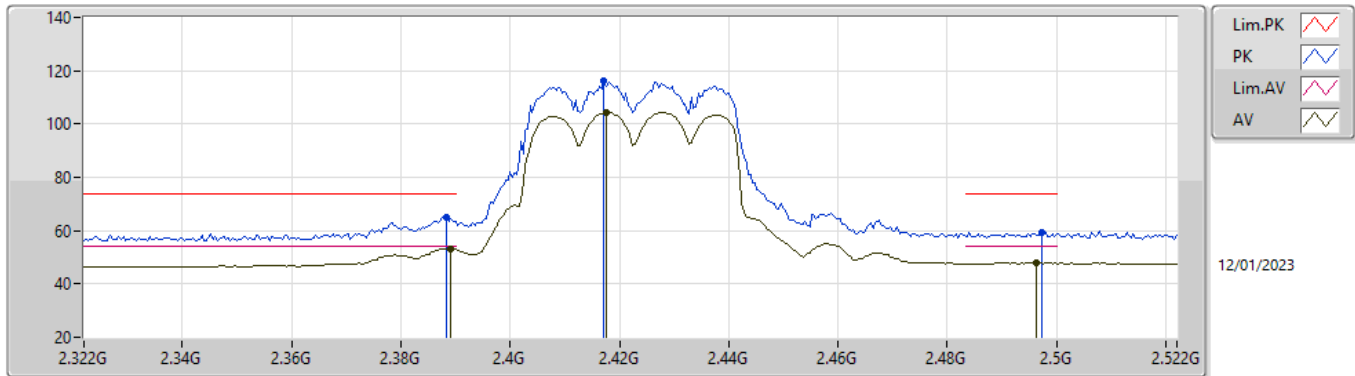


EUT_Z_2TX
Setting 19
04-K-A-4

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	2.3892G	60.28	74.00	-13.72	29.45	3	Vertical	166	3.00	-	27.64	3.19	-
AV	2.3892G	49.12	54.00	-4.88	18.29	3	Vertical	166	3.00	-	27.64	3.19	-
PK	2.418G	112.51	Inf	-Inf	81.59	3	Vertical	166	3.00	-	27.70	3.22	-
AV	2.4176G	100.92	Inf	-Inf	70.00	3	Vertical	166	3.00	-	27.70	3.22	-
PK	2.492G	58.79	74.00	-15.21	27.63	3	Vertical	166	3.00	-	27.87	3.29	-
AV	2.4988G	47.25	54.00	-6.75	16.05	3	Vertical	166	3.00	-	27.90	3.30	-

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

2422MHz_TX

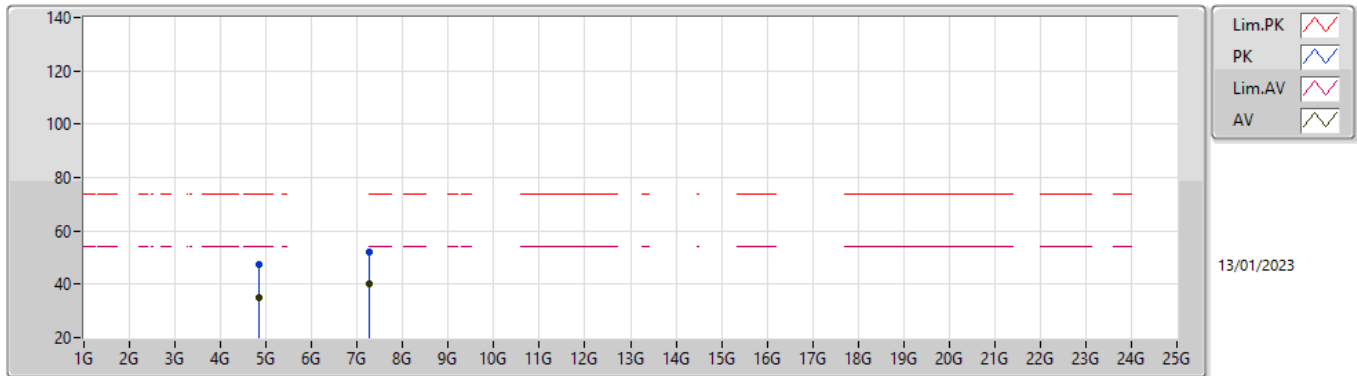


EUT_Z_2TX
Setting 19
04-K-A-4

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	2.3884G	65.18	74.00	-8.82	34.36	3	Horizontal	88	1.11	-	27.63	3.19	-
AV	2.3892G	53.25	54.00	-0.75	22.42	3	Horizontal	88	1.11	-	27.64	3.19	-
PK	2.4172G	116.16	Inf	-Inf	85.24	3	Horizontal	88	1.11	-	27.70	3.22	-
AV	2.4176G	104.45	Inf	-Inf	73.53	3	Horizontal	88	1.11	-	27.70	3.22	-
PK	2.4972G	59.24	74.00	-14.76	28.05	3	Horizontal	88	1.11	-	27.89	3.30	-
AV	2.4964G	47.99	54.00	-6.01	16.80	3	Horizontal	88	1.11	-	27.89	3.30	-

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

2422MHz_TX

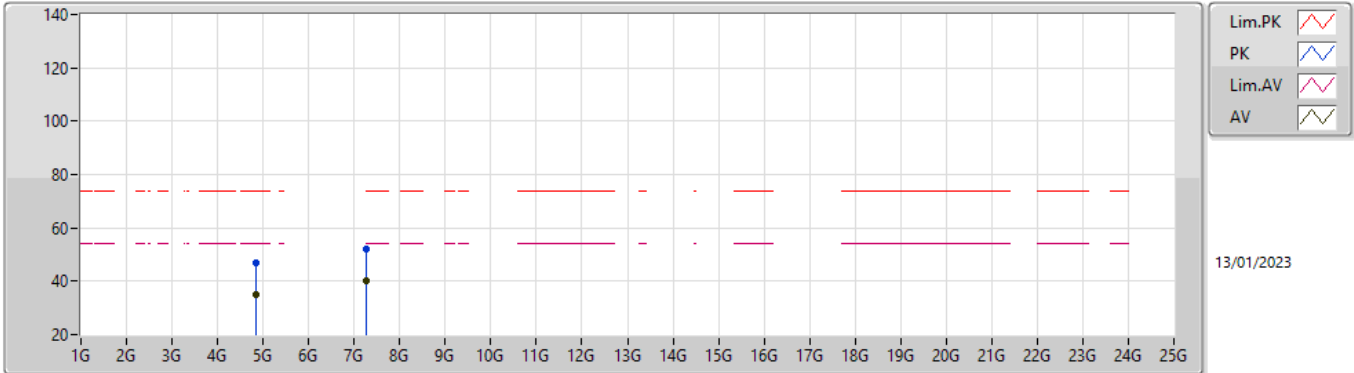


EUT_Z_2TX
Setting 19
04-I-E-5

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	4.84016G	47.28	74.00	-26.72	41.94	3	Vertical	86	1.58	-	32.68	5.30	32.64
AV	4.84884G	34.88	54.00	-19.12	29.52	3	Vertical	86	1.58	-	32.70	5.30	32.64
PK	7.26928G	52.18	74.00	-21.82	40.99	3	Vertical	42	2.94	-	37.52	6.87	33.20
AV	7.2612G	40.11	54.00	-13.89	28.98	3	Vertical	42	2.94	-	37.47	6.86	33.20

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

2422MHz_TX

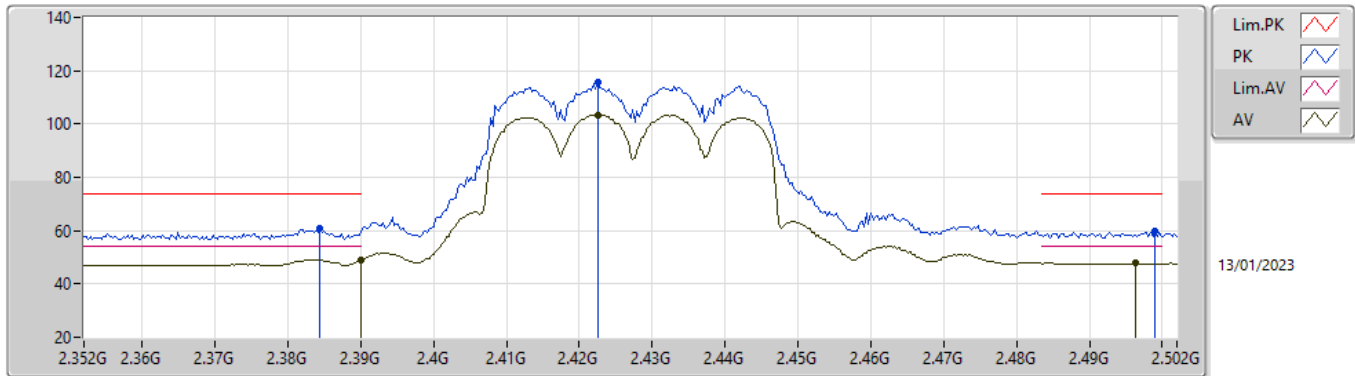


EUT_Z_2TX
Setting 19
04-I-E-5

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	4.84044G	47.03	74.00	-26.97	41.69	3	Horizontal	287	2.57	-	32.68	5.30	32.64
AV	4.8427G	34.93	54.00	-19.07	29.58	3	Horizontal	287	2.57	-	32.69	5.30	32.64
PK	7.26222G	52.31	74.00	-21.69	41.18	3	Horizontal	352	2.89	-	37.47	6.86	33.20
AV	7.26352G	40.14	54.00	-13.86	29.00	3	Horizontal	352	2.89	-	37.48	6.86	33.20

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

2427MHz_TX

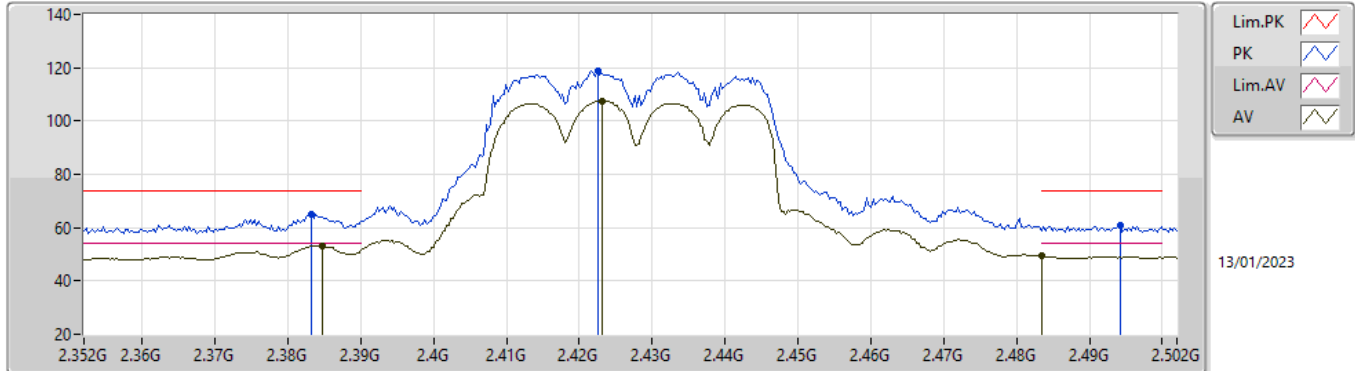


EUT Z_2TX
Setting 21.5
04-I-E-5

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	2.3844G	60.80	74.00	-13.20	30.00	3	Vertical	164	3.00	-	27.61	3.19	-
AV	2.39G	49.12	54.00	-4.88	18.29	3	Vertical	164	3.00	-	27.64	3.19	-
PK	2.4225G	115.49	Inf	-Inf	84.57	3	Vertical	164	3.00	-	27.70	3.22	-
AV	2.4225G	103.48	Inf	-Inf	72.56	3	Vertical	164	3.00	-	27.70	3.22	-
PK	2.499G	59.92	74.00	-14.08	28.72	3	Vertical	164	3.00	-	27.90	3.30	-
AV	2.4963G	47.91	54.00	-6.09	16.72	3	Vertical	164	3.00	-	27.89	3.30	-

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

2427MHz_TX

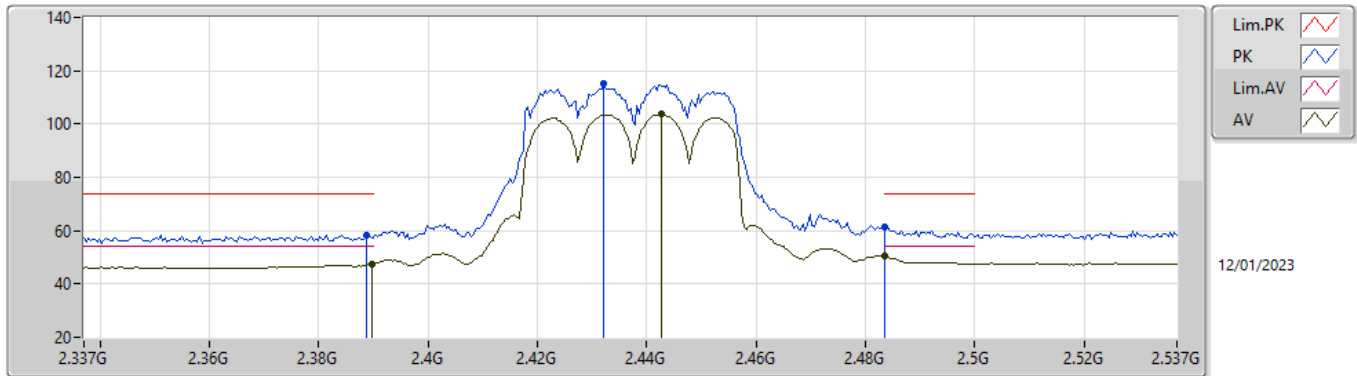


EUT_Z_2TX
Setting 21.5
04-I-E-5

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	65.21	74.00	-8.79	34.42	3	Horizontal	94	1.31	-	27.60	3.19	-
AV	2.3847G	53.11	54.00	-0.89	22.31	3	Horizontal	94	1.31	-	27.61	3.19	-
PK	2.4225G	118.94	Inf	-Inf	88.02	3	Horizontal	94	1.31	-	27.70	3.22	-
AV	2.4231G	107.61	Inf	-Inf	76.69	3	Horizontal	94	1.31	-	27.70	3.22	-
PK	2.4942G	60.96	74.00	-13.04	29.79	3	Horizontal	94	1.31	-	27.88	3.29	-
AV	2.4835G	49.40	54.00	-4.60	18.29	3	Horizontal	94	1.31	-	27.83	3.28	-

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

2437MHz_TX

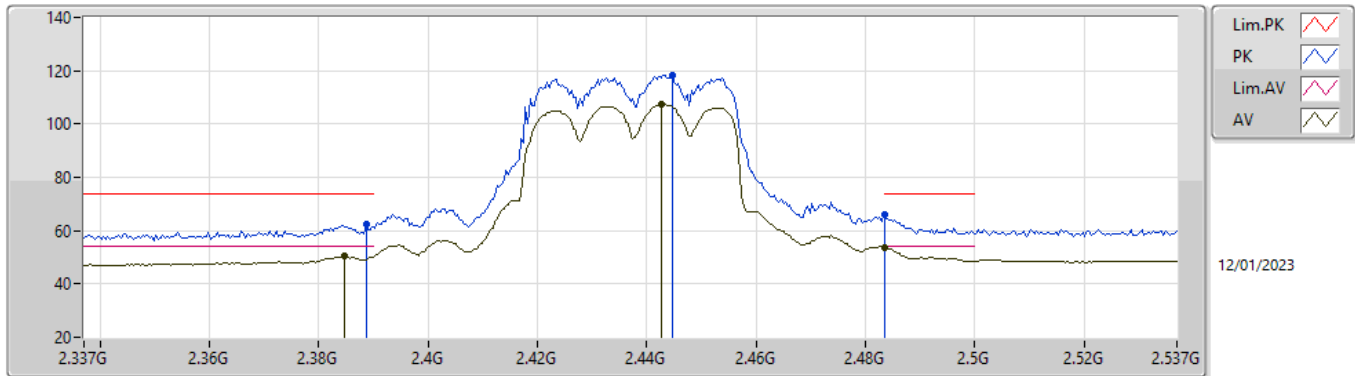


EUT Z_2TX
Setting 22
04-K-A-4

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	2.3886G	58.48	74.00	-15.52	27.66	3	Vertical	165	2.64	-	27.63	3.19	-
AV	2.3898G	47.46	54.00	-6.54	16.63	3	Vertical	165	2.64	-	27.64	3.19	-
PK	2.4322G	115.03	Inf	-Inf	84.10	3	Vertical	165	2.64	-	27.70	3.23	-
AV	2.4426G	103.61	Inf	-Inf	72.67	3	Vertical	165	2.64	-	27.70	3.24	-
PK	2.4835G	61.17	74.00	-12.83	30.06	3	Vertical	165	2.64	-	27.83	3.28	-
AV	2.4835G	50.37	54.00	-3.63	19.26	3	Vertical	165	2.64	-	27.83	3.28	-

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

2437MHz_TX

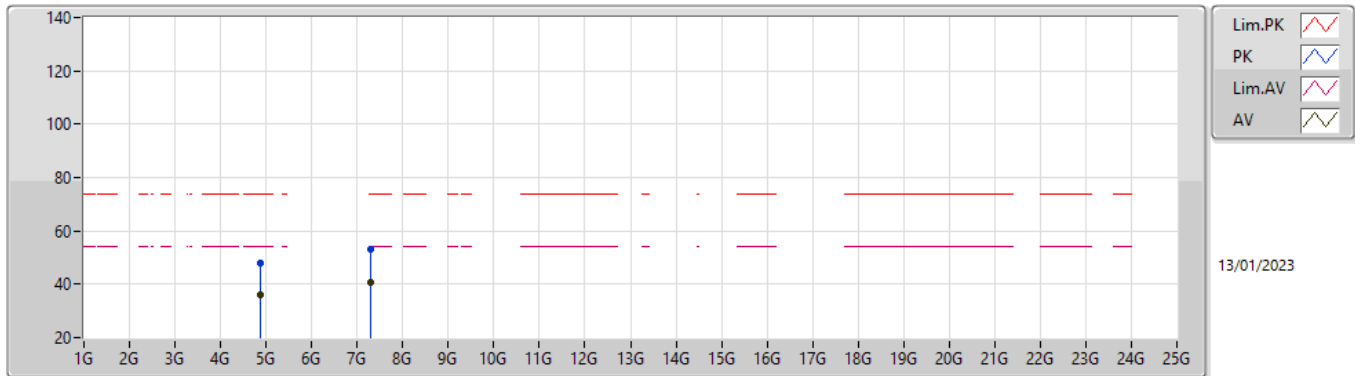


EUT_Z_2TX
Setting 22
04-K-A-4

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	2.3886G	62.50	74.00	-11.50	31.68	3	Horizontal	93	1.02	-	27.63	3.19	-
AV	2.3846G	50.30	54.00	-3.70	19.50	3	Horizontal	93	1.02	-	27.61	3.19	-
PK	2.4446G	118.35	Inf	-Inf	87.41	3	Horizontal	93	1.02	-	27.70	3.24	-
AV	2.4426G	107.44	Inf	-Inf	76.50	3	Horizontal	93	1.02	-	27.70	3.24	-
PK	2.4835G	65.99	74.00	-8.01	34.88	3	Horizontal	93	1.02	-	27.83	3.28	-
AV	2.4835G	53.77	54.00	-0.23	22.66	3	Horizontal	93	1.02	-	27.83	3.28	-

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

2437MHz_TX

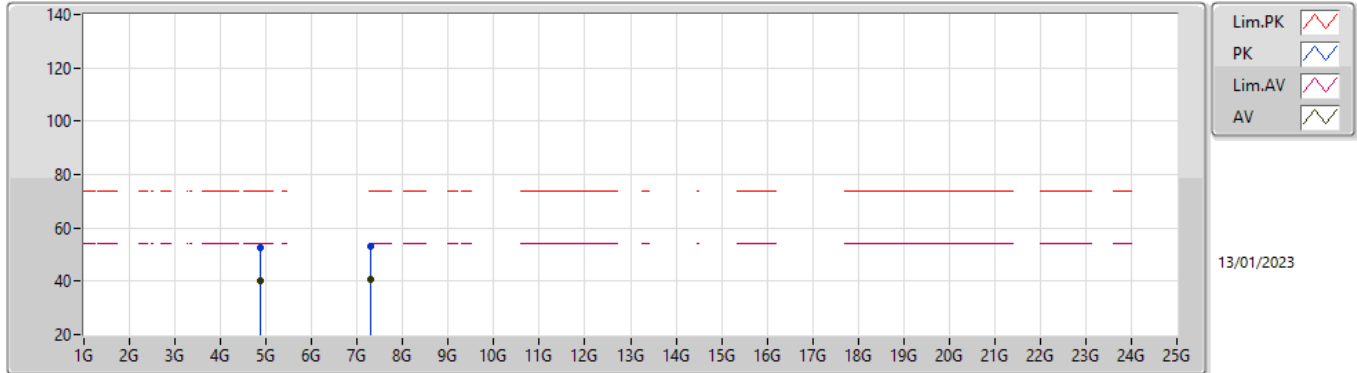


EUT_Z_2TX
Setting 22
04-I-E-5

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	4.86056G	48.15	74.00	-25.85	42.76	3	Vertical	228	2.60	-	32.72	5.30	32.63
AV	4.85954G	36.00	54.00	-18.00	30.61	3	Vertical	228	2.60	-	32.72	5.30	32.63
PK	7.30788G	53.10	74.00	-20.90	41.70	3	Vertical	10	1.80	-	37.70	6.91	33.21
AV	7.3035G	40.87	54.00	-13.13	29.48	3	Vertical	10	1.80	-	37.70	6.90	33.21

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

2437MHz_TX

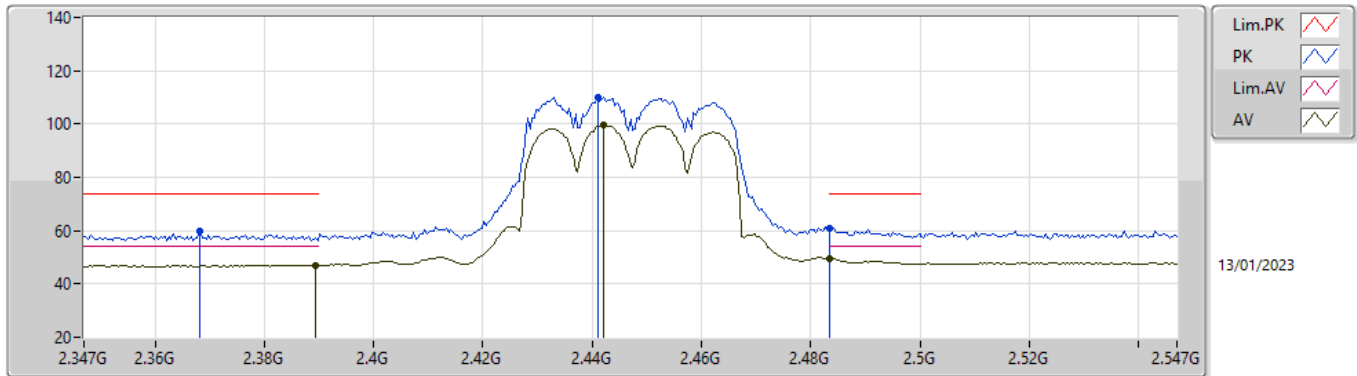


EUT_Z_2TX
Setting 22
04-I-E-5

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	4.8797G	52.52	74.00	-21.48	47.08	3	Horizontal	95	2.28	-	32.76	5.30	32.62
AV	4.87388G	40.04	54.00	-13.96	34.62	3	Horizontal	95	2.28	-	32.75	5.30	32.63
PK	7.3065G	53.17	74.00	-20.83	41.77	3	Horizontal	286	1.80	-	37.70	6.91	33.21
AV	7.30368G	40.87	54.00	-13.13	29.48	3	Horizontal	286	1.80	-	37.70	6.90	33.21

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

2447MHz_TX

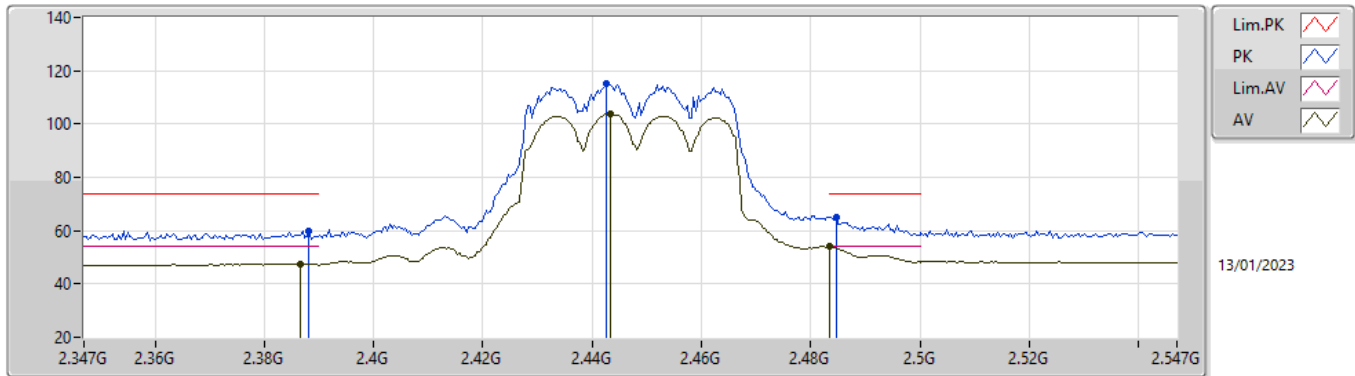


EUT_Z_2TX
Setting 18
04-I-E-5

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	2.3682G	59.94	74.00	-14.06	29.25	3	Vertical	165	2.66	-	27.51	3.18	-
AV	2.3894G	46.84	54.00	-7.16	16.01	3	Vertical	165	2.66	-	27.64	3.19	-
PK	2.441G	109.85	Inf	-Inf	78.91	3	Vertical	165	2.66	-	27.70	3.24	-
AV	2.4422G	99.44	Inf	-Inf	68.50	3	Vertical	165	2.66	-	27.70	3.24	-
PK	2.4835G	60.86	74.00	-13.14	29.75	3	Vertical	165	2.66	-	27.83	3.28	-
AV	2.4835G	49.63	54.00	-4.37	18.52	3	Vertical	165	2.66	-	27.83	3.28	-

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

2447MHz_TX

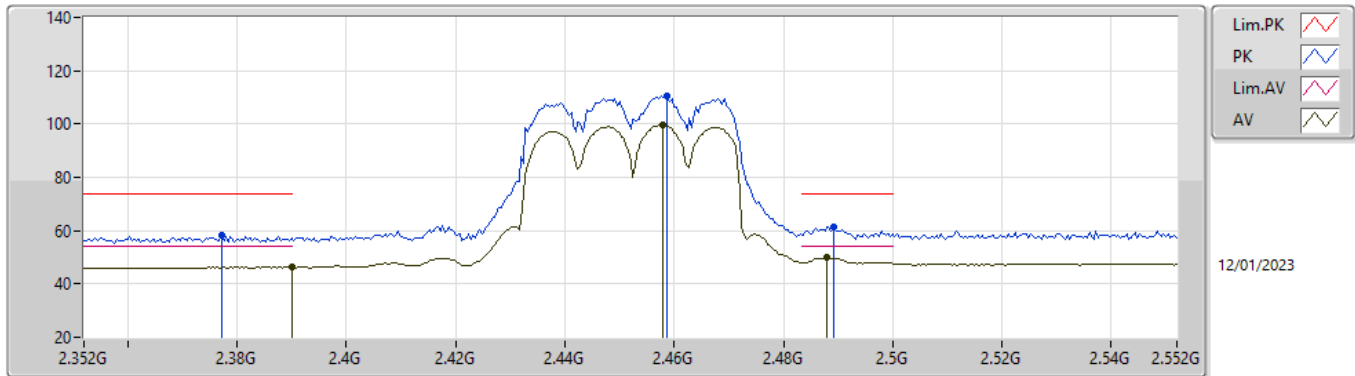


EUT_Z_2TX
Setting 18
04-I-E-5

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	59.73	74.00	-14.27	28.91	3	Horizontal	97	1.15	-	27.63	3.19	-
AV	2.3866G	47.64	54.00	-6.36	16.83	3	Horizontal	97	1.15	-	27.62	3.19	-
PK	2.4426G	115.28	Inf	-Inf	84.34	3	Horizontal	97	1.15	-	27.70	3.24	-
AV	2.4434G	103.90	Inf	-Inf	72.96	3	Horizontal	97	1.15	-	27.70	3.24	-
PK	2.4846G	65.17	74.00	-8.83	34.05	3	Horizontal	97	1.15	-	27.84	3.28	-
AV	2.4835G	53.88	54.00	-0.12	22.77	3	Horizontal	97	1.15	-	27.83	3.28	-

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

2452MHz_TX

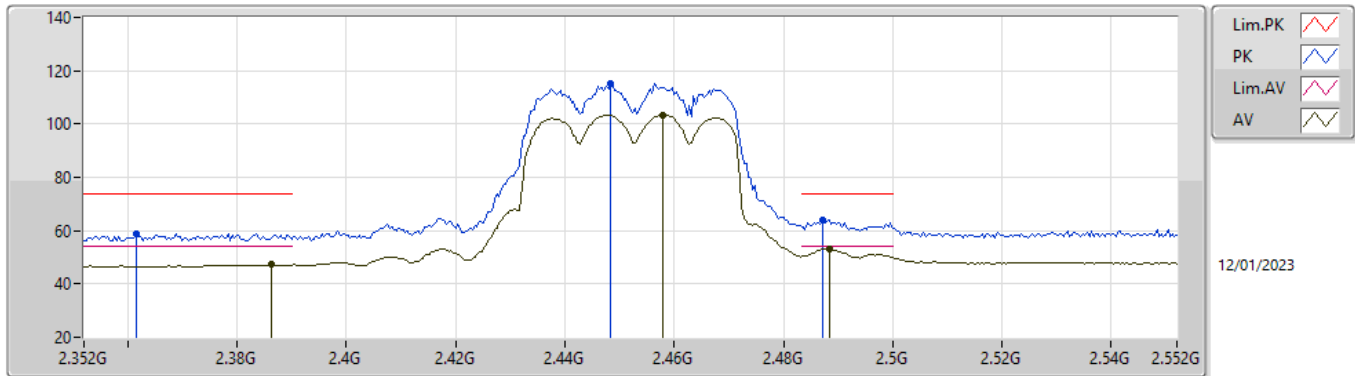


EUT_Z_2TX
Setting 18
04-K-A-4

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	2.3772G	58.40	74.00	-15.60	27.65	3	Vertical	165	2.92	-	27.56	3.19	-
AV	2.39G	46.25	54.00	-7.75	15.41	3	Vertical	165	2.92	-	27.64	3.20	-
PK	2.4588G	110.68	Inf	-Inf	79.68	3	Vertical	165	2.92	-	27.74	3.26	-
AV	2.458G	99.57	Inf	-Inf	68.58	3	Vertical	165	2.92	-	27.73	3.26	-
PK	2.4892G	61.63	74.00	-12.37	30.48	3	Vertical	165	2.92	-	27.86	3.29	-
AV	2.488G	49.86	54.00	-4.14	18.72	3	Vertical	165	2.92	-	27.85	3.29	-

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

2452MHz_TX

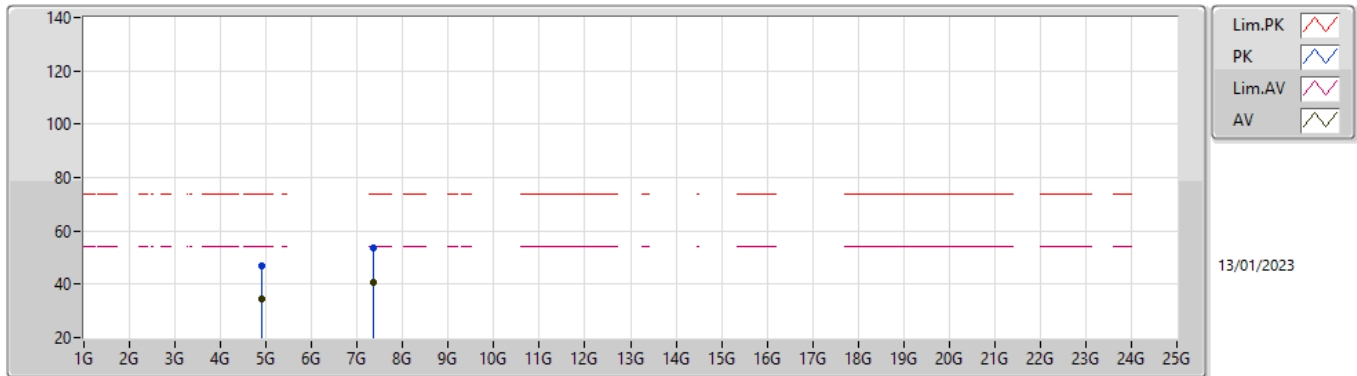


EUT_Z_2TX
Setting 18
04-K-A-4

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	2.3616G	58.70	74.00	-15.30	28.05	3	Horizontal	93	1.07	-	27.47	3.18	-
AV	2.3864G	47.19	54.00	-6.81	16.38	3	Horizontal	93	1.07	-	27.62	3.19	-
PK	2.4484G	115.24	Inf	-Inf	84.29	3	Horizontal	93	1.07	-	27.70	3.25	-
AV	2.458G	103.49	Inf	-Inf	72.50	3	Horizontal	93	1.07	-	27.73	3.26	-
PK	2.4872G	63.84	74.00	-10.16	32.70	3	Horizontal	93	1.07	-	27.85	3.29	-
AV	2.4884G	53.18	54.00	-0.82	22.04	3	Horizontal	93	1.07	-	27.85	3.29	-

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

2452MHz_TX

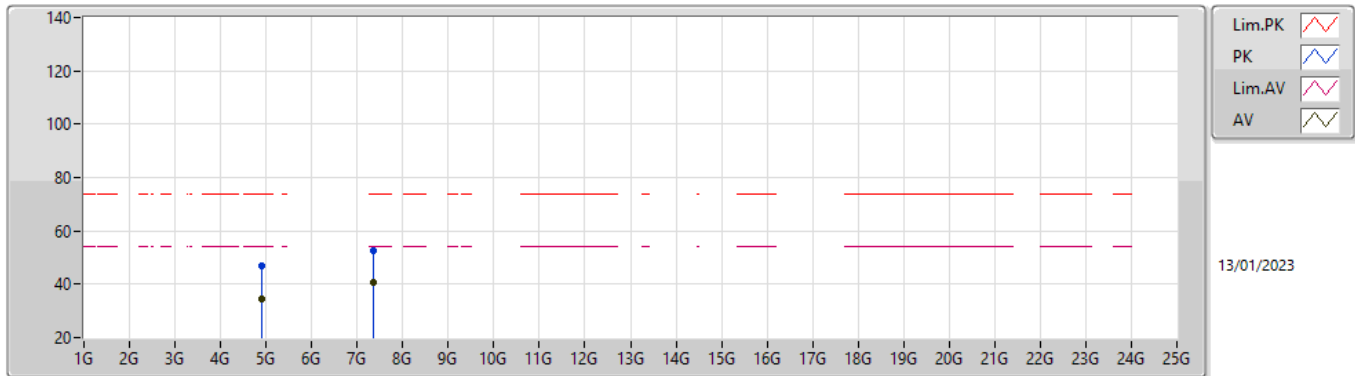


EUT_Z_2TX
Setting 18
04-I-E-5

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	4.90592G	46.73	74.00	-27.27	41.23	3	Vertical	343	1.69	-	32.81	5.30	32.61
AV	4.90806G	34.70	54.00	-19.30	29.19	3	Vertical	343	1.69	-	32.82	5.30	32.61
PK	7.3593G	53.83	74.00	-20.17	42.44	3	Vertical	343	2.33	-	37.66	6.96	33.23
AV	7.3574G	40.49	54.00	-13.51	29.09	3	Vertical	343	2.33	-	37.67	6.96	33.23

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

2452MHz_TX



EUT_Z_2TX
Setting 18
04-I-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	4.90782G	46.96	74.00	-27.04	41.45	3	Horizontal	144	2.62	-	32.82	5.30	32.61
AV	4.90892G	34.71	54.00	-19.29	29.20	3	Horizontal	144	2.62	-	32.82	5.30	32.61
PK	7.35988G	52.55	74.00	-21.45	41.16	3	Horizontal	144	2.90	-	37.66	6.96	33.23
AV	7.35996G	40.55	54.00	-13.45	29.16	3	Horizontal	144	2.90	-	37.66	6.96	33.23

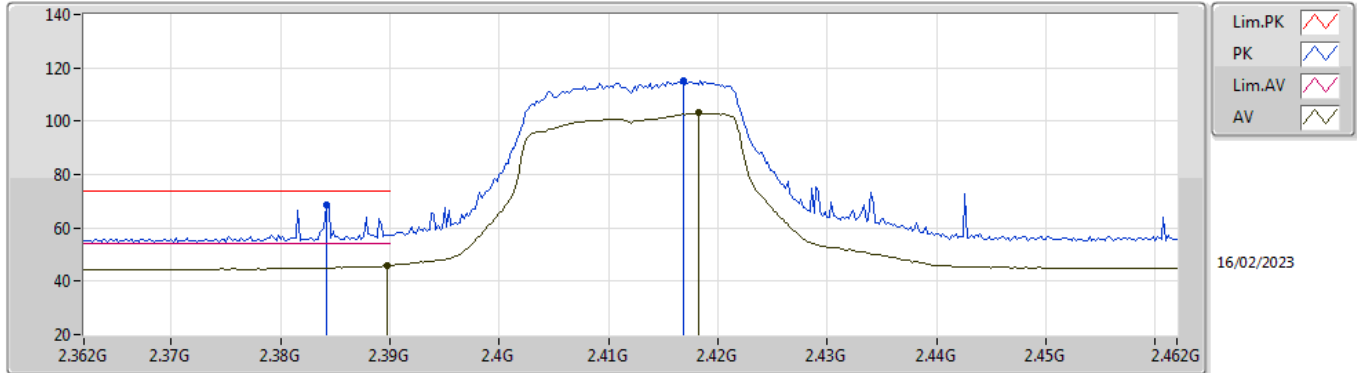


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	52.90	54.00	-1.10	3	Horizontal	95.1	1.40	-

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

2412MHz_TX

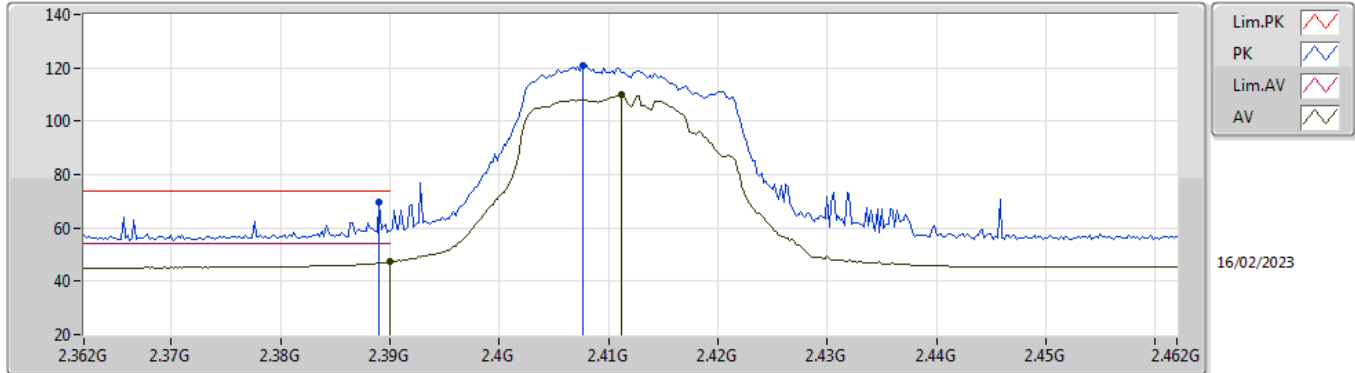


EUT Z_2TX
Setting 25
03-F-R-7

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	2.3842G	68.63	74.00	-5.37	36.45	3	Vertical	159	2.10	-	28.20	3.98	-
AV	2.3898G	45.95	54.00	-8.05	13.76	3	Vertical	159	2.10	-	28.20	3.99	-
PK	2.4168G	115.33	Inf	-Inf	83.11	3	Vertical	159	2.10	-	28.20	4.02	-
AV	2.4182G	103.05	Inf	-Inf	70.83	3	Vertical	159	2.10	-	28.20	4.02	-

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

2412MHz_TX

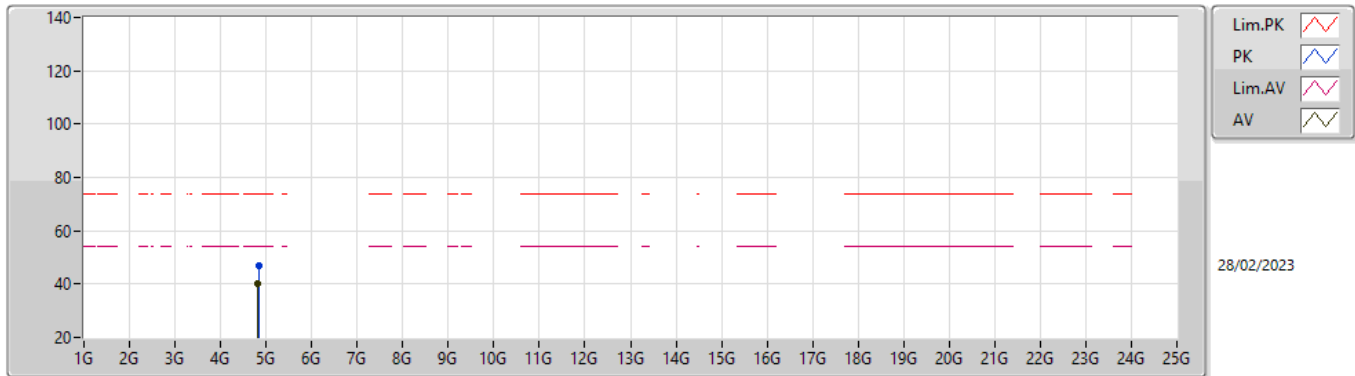


EUT Z_2TX
Setting 25
03-F-R-7

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	69.81	74.00	-4.19	37.62	3	Horizontal	67.6	2.18	-	28.20	3.99	-
AV	2.39G	47.25	54.00	-6.75	15.06	3	Horizontal	67.6	2.18	-	28.20	3.99	-
PK	2.4076G	121.06	Inf	-Inf	88.85	3	Horizontal	67.6	2.18	-	28.20	4.01	-
AV	2.4112G	110.07	Inf	-Inf	77.86	3	Horizontal	67.6	2.18	-	28.20	4.01	-

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

2412MHz_TX

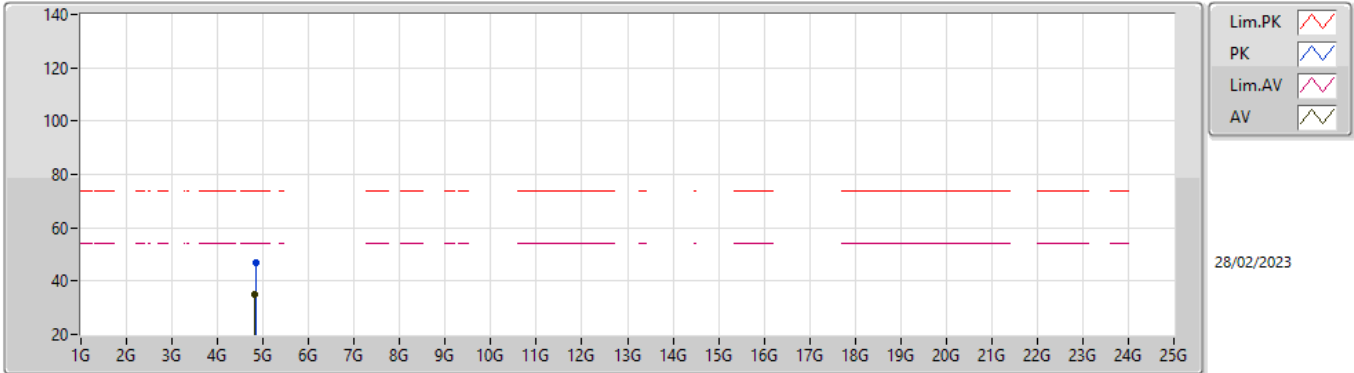


EUT_Z_2TX
Setting 25
04-H-J-8

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	4.83504G	46.98	74.00	-27.02	41.66	3	Vertical	256	2.76	-	32.67	5.30	32.65
AV	4.82394G	40.01	54.00	-13.99	34.71	3	Vertical	256	2.76	-	32.65	5.30	32.65

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

2412MHz_TX

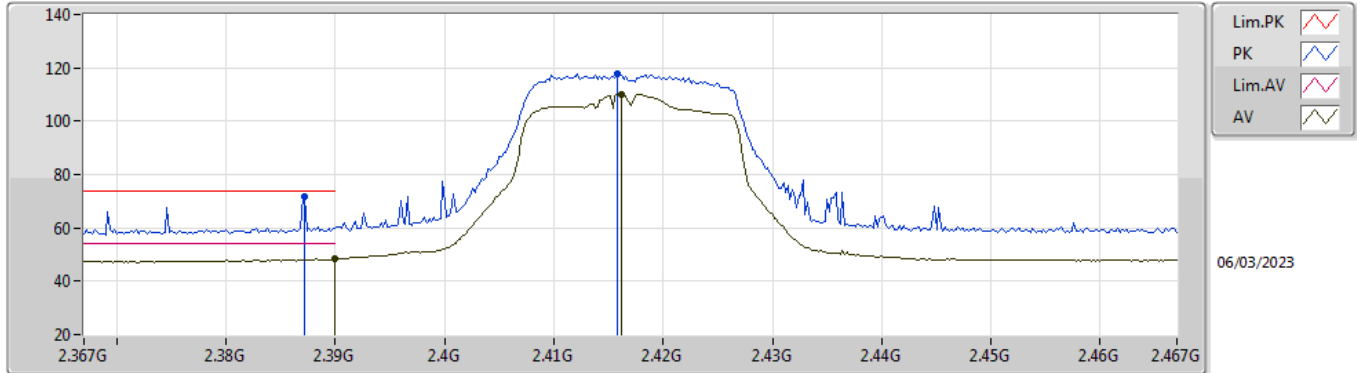


EUT_Z_2TX
Setting 25
04-H-J-8

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	4.83012G	46.93	74.00	-27.07	41.62	3	Horizontal	226	2.39	-	32.66	5.30	32.65
AV	4.81572G	35.05	54.00	-18.95	29.78	3	Horizontal	226	2.39	-	32.63	5.30	32.66

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

2417MHz_TX

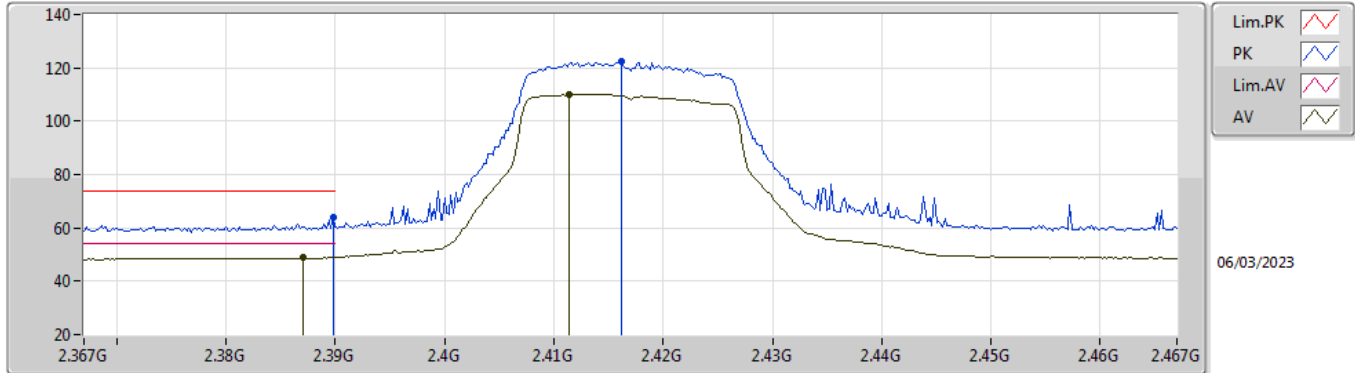


EUT Z_2TX
Setting 25
03-H-J-8

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	71.52	74.00	-2.48	39.33	3	Vertical	182	2.93	-	28.20	3.99	-
AV	2.39G	48.49	54.00	-5.51	16.30	3	Vertical	182	2.93	-	28.20	3.99	-
PK	2.4158G	117.81	Inf	-Inf	85.59	3	Vertical	182	2.93	-	28.20	4.02	-
AV	2.4162G	110.21	Inf	-Inf	77.99	3	Vertical	182	2.93	-	28.20	4.02	-

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

2417MHz_TX

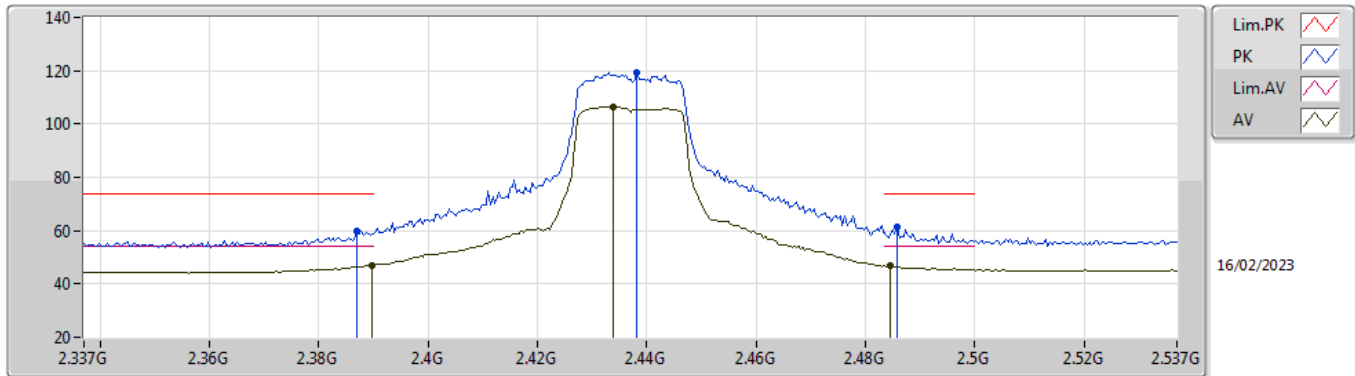


EUT_Z_2TX
Setting 25
03-H-J-8

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	63.87	74.00	-10.13	31.68	3	Horizontal	97	1.51	-	28.20	3.99	-
AV	2.387G	48.91	54.00	-5.09	16.72	3	Horizontal	97	1.51	-	28.20	3.99	-
PK	2.4162G	122.27	Inf	-Inf	90.05	3	Horizontal	97	1.51	-	28.20	4.02	-
AV	2.4114G	110.05	Inf	-Inf	77.84	3	Horizontal	97	1.51	-	28.20	4.01	-

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

2437MHz_TX

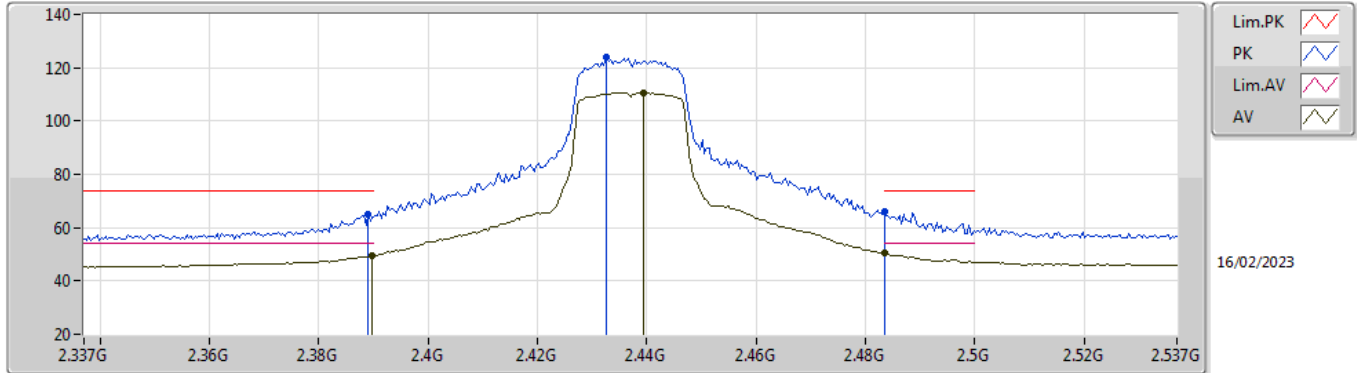


EUT Z_2TX
Setting 28
03-F-R-7

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	2.387G	59.99	74.00	-14.01	27.80	3	Vertical	160.8	2.90	-	28.20	3.99	-
AV	2.3898G	47.03	54.00	-6.97	14.84	3	Vertical	160.8	2.90	-	28.20	3.99	-
PK	2.4382G	119.18	Inf	-Inf	86.94	3	Vertical	160.8	2.90	-	28.20	4.04	-
AV	2.4338G	106.62	Inf	-Inf	74.39	3	Vertical	160.8	2.90	-	28.20	4.03	-
PK	2.4858G	61.33	74.00	-12.67	28.83	3	Vertical	160.8	2.90	-	28.41	4.09	-
AV	2.4846G	46.69	54.00	-7.31	14.20	3	Vertical	160.8	2.90	-	28.41	4.08	-

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

2437MHz_TX

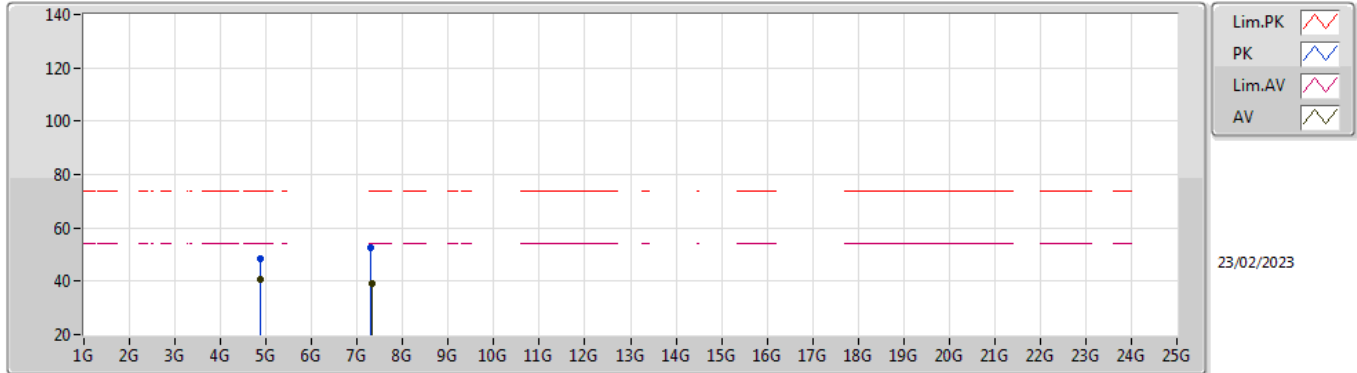


EUT Z_2TX
Setting 28
03-F-R-7

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	65.21	74.00	-8.79	33.02	3	Horizontal	93.2	1.04	-	28.20	3.99	-
AV	2.3898G	49.41	54.00	-4.59	17.22	3	Horizontal	93.2	1.04	-	28.20	3.99	-
PK	2.4326G	123.74	Inf	-Inf	91.51	3	Horizontal	93.2	1.04	-	28.20	4.03	-
AV	2.4394G	110.62	Inf	-Inf	78.38	3	Horizontal	93.2	1.04	-	28.20	4.04	-
PK	2.4835G	66.22	74.00	-7.78	33.74	3	Horizontal	93.2	1.04	-	28.40	4.08	-
AV	2.4835G	50.32	54.00	-3.68	17.84	3	Horizontal	93.2	1.04	-	28.40	4.08	-

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

2437MHz_TX

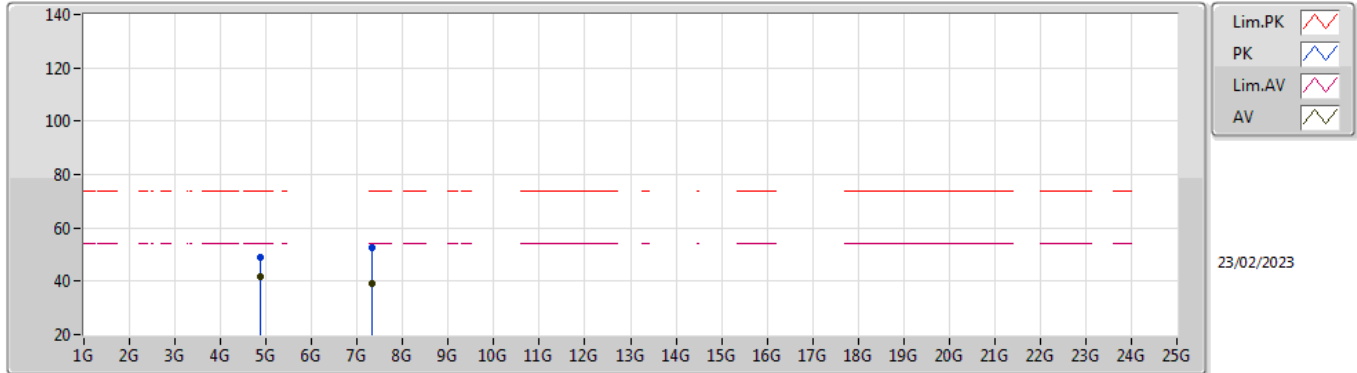


EUT Z_2TX
Setting 28
03-F-R-7

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	4.87478G	48.30	74.00	-25.70	43.11	3	Vertical	121	2.49	-	33.55	6.54	34.90
AV	4.87403G	40.64	54.00	-13.36	35.46	3	Vertical	121	2.49	-	33.54	6.54	34.90
PK	7.30726G	52.51	74.00	-21.49	42.14	3	Horizontal	253	1.80	-	36.81	8.70	35.14
AV	7.31132G	39.02	54.00	-14.98	28.64	3	Horizontal	253	1.80	-	36.82	8.70	35.14

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

2437MHz_TX

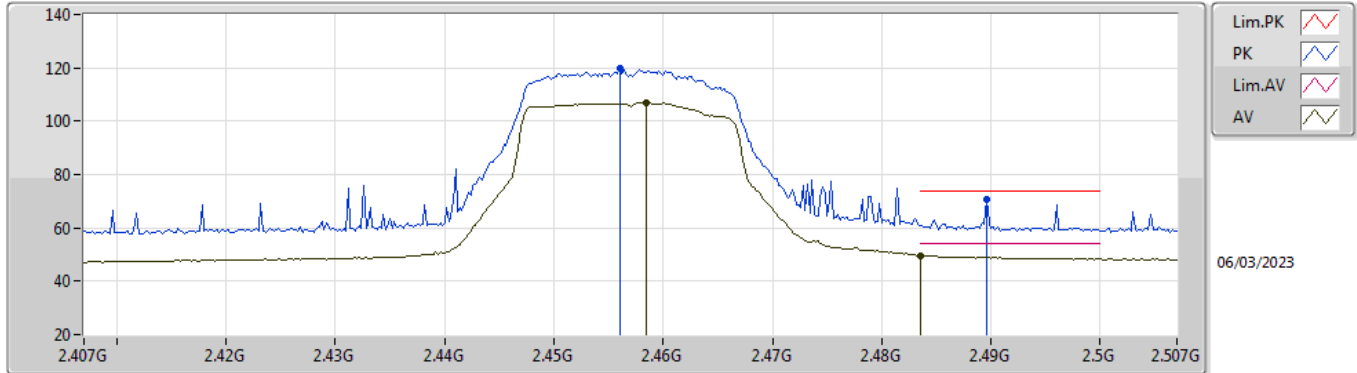


EUT Z_2TX
Setting 28
03-F-R-7

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	4.874G	48.97	74.00	-25.03	43.79	3	Horizontal	310	2.36	-	33.54	6.54	34.90
AV	4.87398G	41.70	54.00	-12.30	36.52	3	Horizontal	310	2.36	-	33.54	6.54	34.90
PK	7.31466G	52.38	74.00	-21.62	41.99	3	Horizontal	87	1.80	-	36.83	8.70	35.14
AV	7.31106G	39.06	54.00	-14.94	28.68	3	Horizontal	87	1.80	-	36.82	8.70	35.14

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

2457MHz_TX

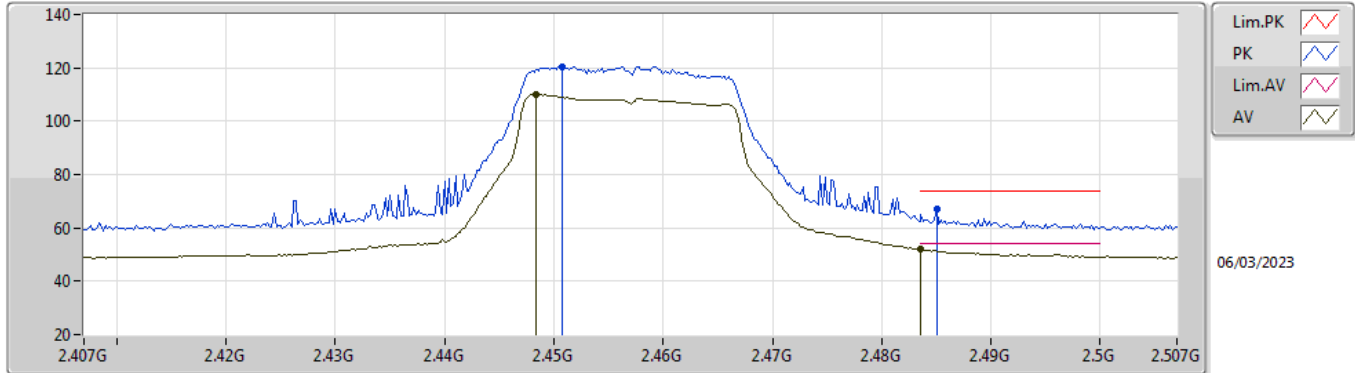


EUT Z_2TX
Setting 25
03-H-J-8

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	2.456G	119.74	Inf	-Inf	87.44	3	Vertical	162	2.29	-	28.24	4.06	-
AV	2.4584G	107.12	Inf	-Inf	74.81	3	Vertical	162	2.29	-	28.25	4.06	-
PK	2.4896G	70.62	74.00	-3.38	38.09	3	Vertical	162	2.29	-	28.44	4.09	-
AV	2.4835G	49.65	54.00	-4.35	17.17	3	Vertical	162	2.29	-	28.40	4.08	-

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

2457MHz_TX

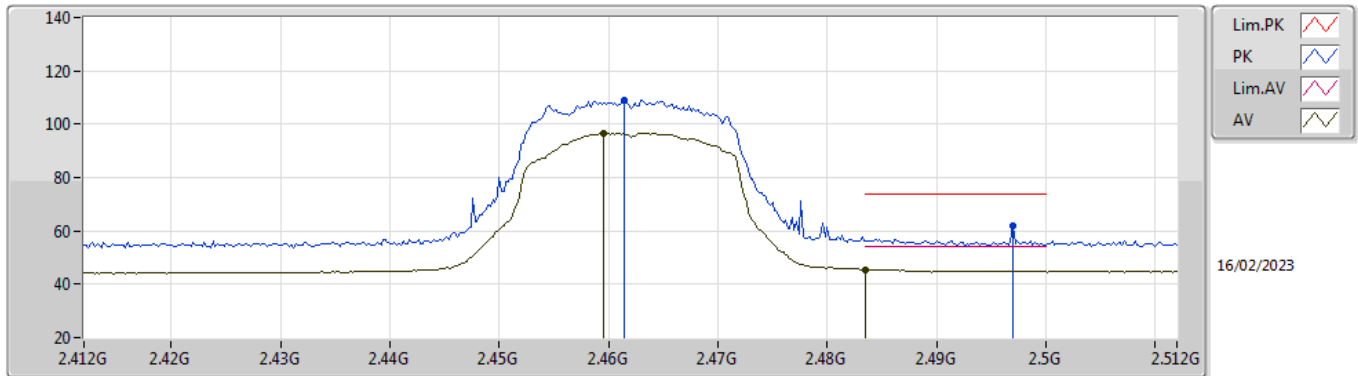


EUT_Z_2TX
Setting 25
03-H-J-8

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	2.4508G	120.56	Inf	-Inf	88.31	3	Horizontal	89	1.13	-	28.20	4.05	-
AV	2.4484G	110.09	Inf	-Inf	77.84	3	Horizontal	89	1.13	-	28.20	4.05	-
PK	2.485G	66.90	74.00	-7.10	34.41	3	Horizontal	89	1.13	-	28.41	4.08	-
AV	2.4835G	51.99	54.00	-2.01	19.51	3	Horizontal	89	1.13	-	28.40	4.08	-

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

2462MHz_TX

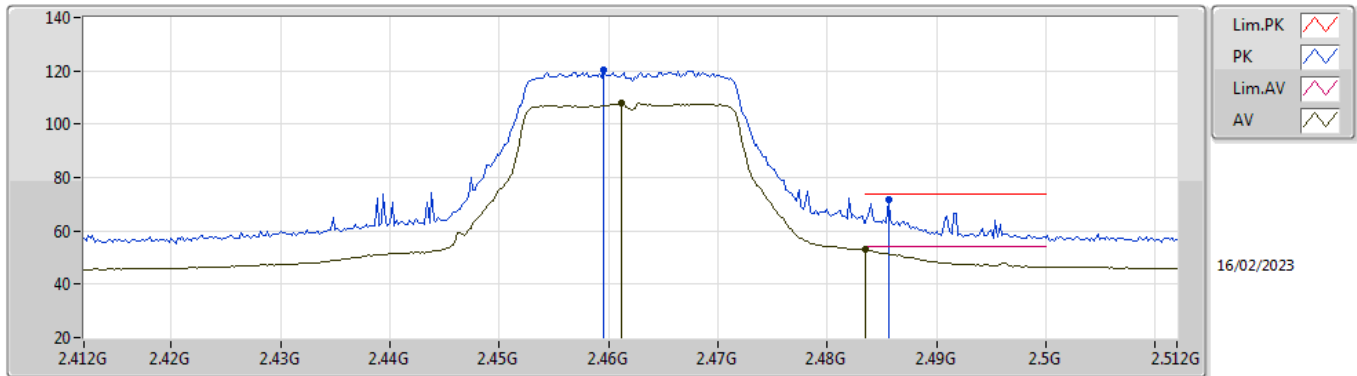


EUT Z_2TX
Setting 25
03-F-R-7

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	2.4614G	109.16	Inf	-Inf	76.83	3	Vertical	10.3	1.03	-	28.27	4.06	-
AV	2.4596G	96.55	Inf	-Inf	64.23	3	Vertical	10.3	1.03	-	28.26	4.06	-
PK	2.497G	61.72	74.00	-12.28	29.14	3	Vertical	10.3	1.03	-	28.48	4.10	-
AV	2.4835G	45.59	54.00	-8.41	13.11	3	Vertical	10.3	1.03	-	28.40	4.08	-

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

2462MHz_TX

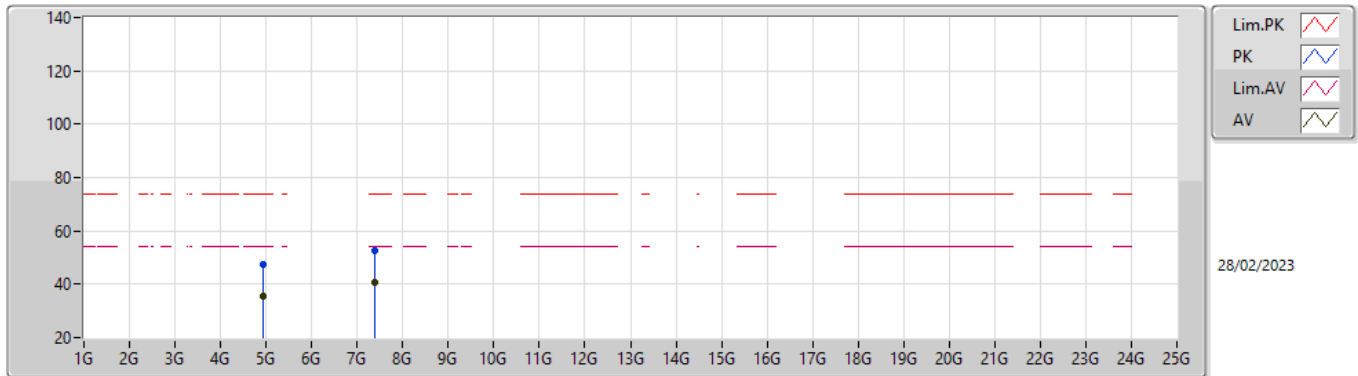


EUT Z_2TX
Setting 25
03-F-R-7

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	2.4596G	120.19	Inf	-Inf	87.87	3	Horizontal	96.2	1.02	-	28.26	4.06	-
AV	2.4612G	108.06	Inf	-Inf	75.73	3	Horizontal	96.2	1.02	-	28.27	4.06	-
PK	2.4856G	71.96	74.00	-2.04	39.46	3	Horizontal	96.2	1.02	-	28.41	4.09	-
AV	2.4835G	52.86	54.00	-1.14	20.38	3	Horizontal	96.2	1.02	-	28.40	4.08	-

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

2462MHz_TX

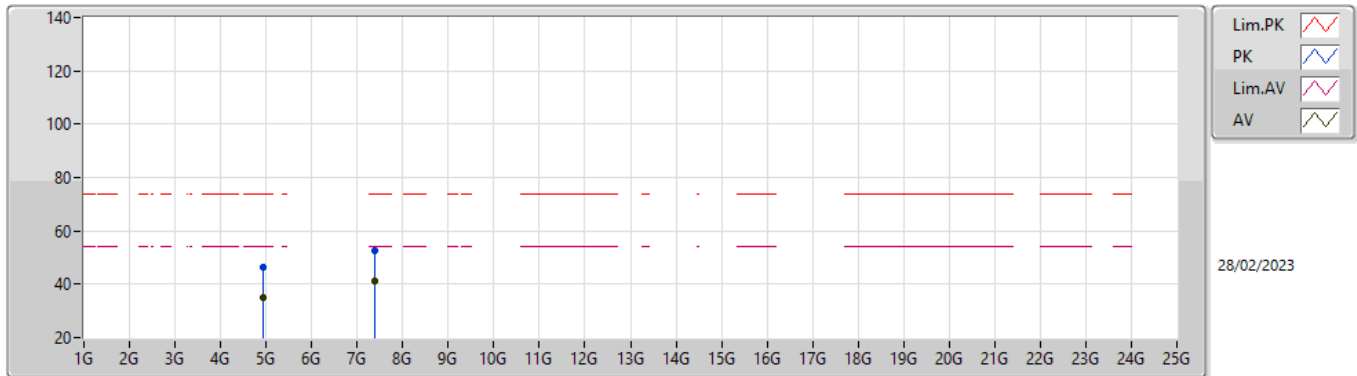


EUT_Z_2TX
Setting 25
04-H-J-8

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	4.93708G	47.33	74.00	-26.67	41.75	3	Vertical	142	2.81	-	32.87	5.30	32.59
AV	4.92622G	35.46	54.00	-18.54	29.91	3	Vertical	142	2.81	-	32.85	5.30	32.60
PK	7.38156G	52.63	74.00	-21.37	41.32	3	Vertical	333	1.80	-	37.57	6.98	33.24
AV	7.38468G	40.74	54.00	-13.26	29.44	3	Vertical	333	1.80	-	37.56	6.98	33.24

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

2462MHz_TX

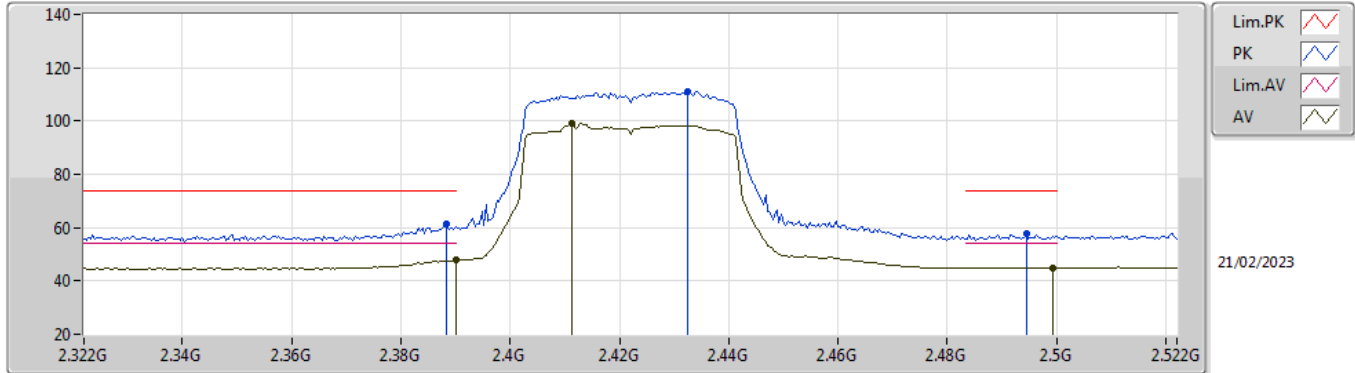


EUT_Z_2TX
Setting 25
04-H-J-8

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	4.92214G	46.26	74.00	-27.74	40.72	3	Horizontal	181	1.53	-	32.84	5.30	32.60
AV	4.93216G	35.01	54.00	-18.99	29.45	3	Horizontal	181	1.53	-	32.86	5.30	32.60
PK	7.37982G	52.77	74.00	-21.23	41.45	3	Horizontal	146	2.86	-	37.58	6.98	33.24
AV	7.3797G	41.01	54.00	-12.99	29.69	3	Horizontal	146	2.86	-	37.58	6.98	33.24

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

2422MHz_TX

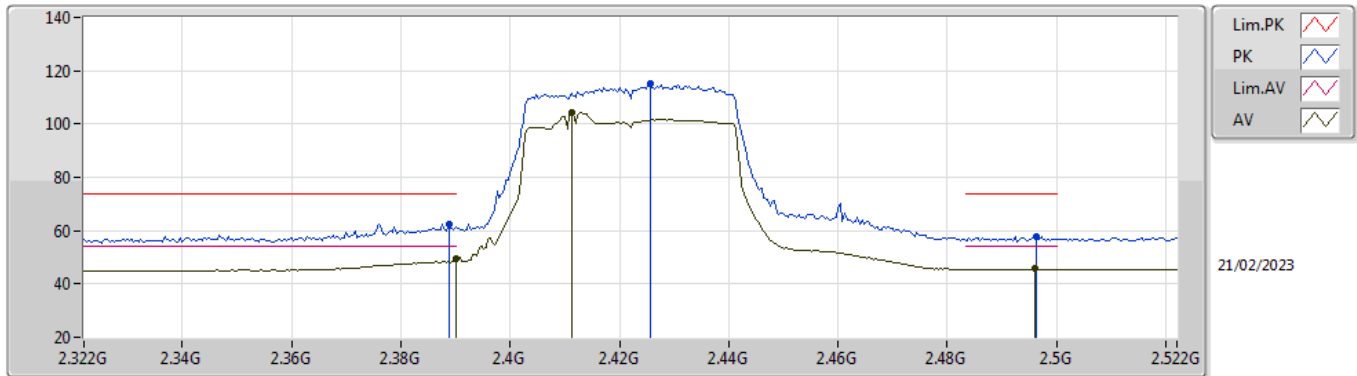


EUT Z_2TX
Setting 21
03-C-R-7

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	2.3884G	61.60	74.00	-12.40	29.41	3	Vertical	152	2.38	-	28.20	3.99	-
AV	2.39G	47.77	54.00	-6.23	15.58	3	Vertical	152	2.38	-	28.20	3.99	-
PK	2.4324G	111.19	Inf	-Inf	78.96	3	Vertical	152	2.38	-	28.20	4.03	-
AV	2.4112G	99.04	Inf	-Inf	66.83	3	Vertical	152	2.38	-	28.20	4.01	-
PK	2.4944G	57.93	74.00	-16.07	25.37	3	Vertical	152	2.38	-	28.47	4.09	-
AV	2.4992G	45.01	54.00	-8.99	12.41	3	Vertical	152	2.38	-	28.50	4.10	-

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

2422MHz_TX

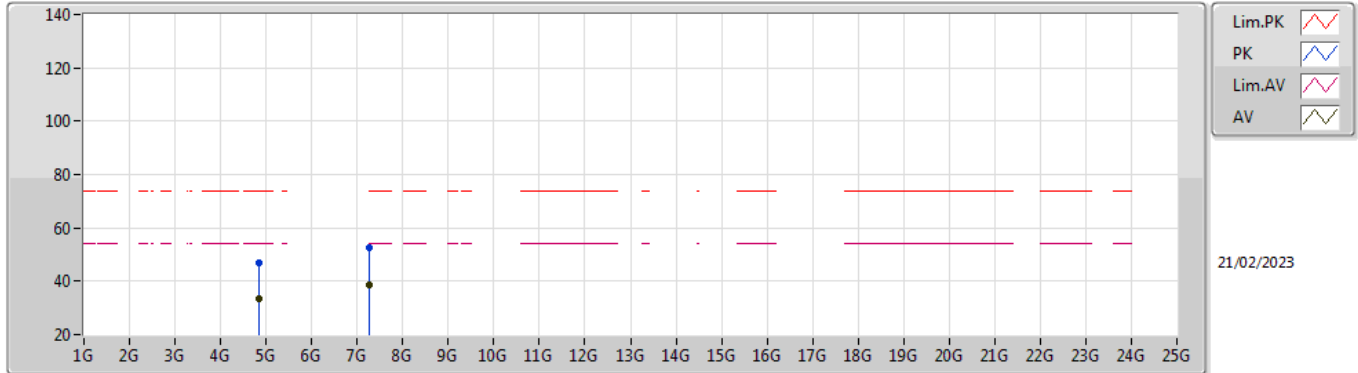


EUT_Z_2TX
Setting 21
03-C-R-7

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	2.3888G	62.64	74.00	-11.36	30.45	3	Horizontal	92.3	1.61	-	28.20	3.99	-
AV	2.39G	49.27	54.00	-4.73	17.08	3	Horizontal	92.3	1.61	-	28.20	3.99	-
PK	2.4256G	115.34	Inf	-Inf	83.11	3	Horizontal	92.3	1.61	-	28.20	4.03	-
AV	2.4112G	104.42	Inf	-Inf	72.21	3	Horizontal	92.3	1.61	-	28.20	4.01	-
PK	2.4964G	57.92	74.00	-16.08	25.34	3	Horizontal	92.3	1.61	-	28.48	4.10	-
AV	2.496G	45.84	54.00	-8.16	13.26	3	Horizontal	92.3	1.61	-	28.48	4.10	-

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

2422MHz_TX

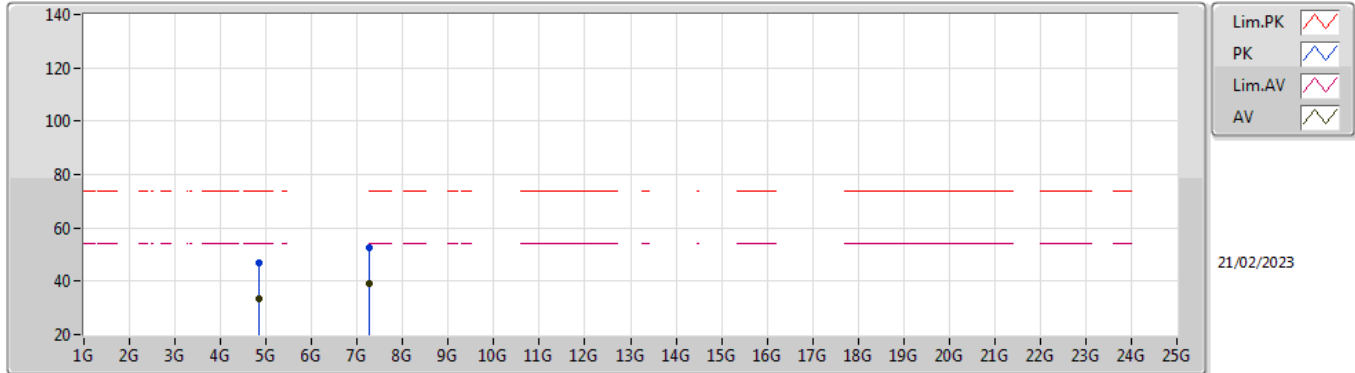


EUT Z_2TX
Setting 21
03-C-R-7

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	4.83648G	47.03	74.00	-26.97	42.01	3	Vertical	225	1.80	-	33.40	6.52	34.90
AV	4.84144G	33.29	54.00	-20.71	28.27	3	Vertical	225	1.80	-	33.40	6.52	34.90
PK	7.25884G	52.70	74.00	-21.30	42.48	3	Vertical	273	1.50	-	36.64	8.70	35.12
AV	7.2606G	38.77	54.00	-15.23	28.55	3	Vertical	273	1.50	-	36.64	8.70	35.12

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

2422MHz_TX

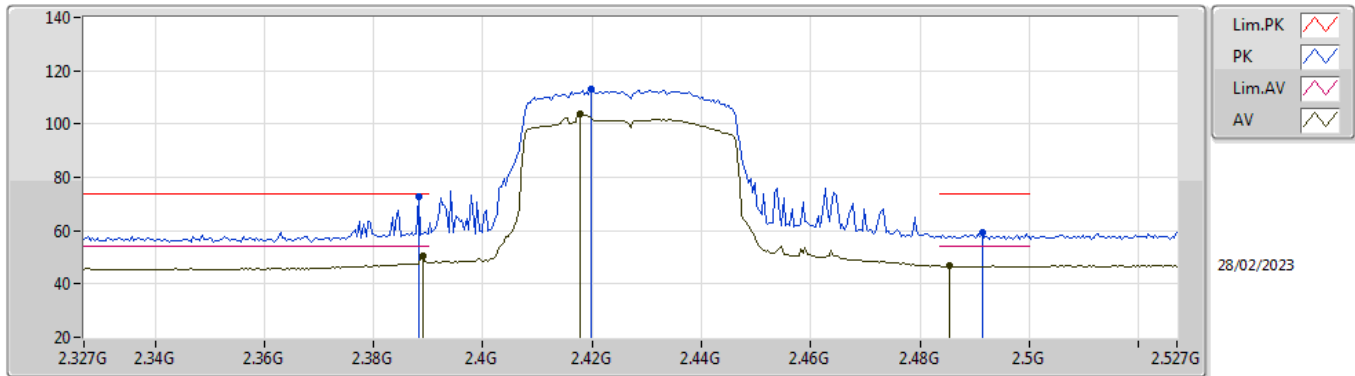


EUT Z_2TX
Setting 21
03-C-R-7

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	4.8454G	46.91	74.00	-27.09	41.89	3	Horizontal	159	2.87	-	33.40	6.52	34.90
AV	4.83548G	33.39	54.00	-20.61	28.37	3	Horizontal	159	2.87	-	33.40	6.52	34.90
PK	7.25628G	52.60	74.00	-21.40	42.39	3	Horizontal	136	1.80	-	36.63	8.70	35.12
AV	7.25972G	38.88	54.00	-15.12	28.66	3	Horizontal	136	1.80	-	36.64	8.70	35.12

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

2427MHz_TX

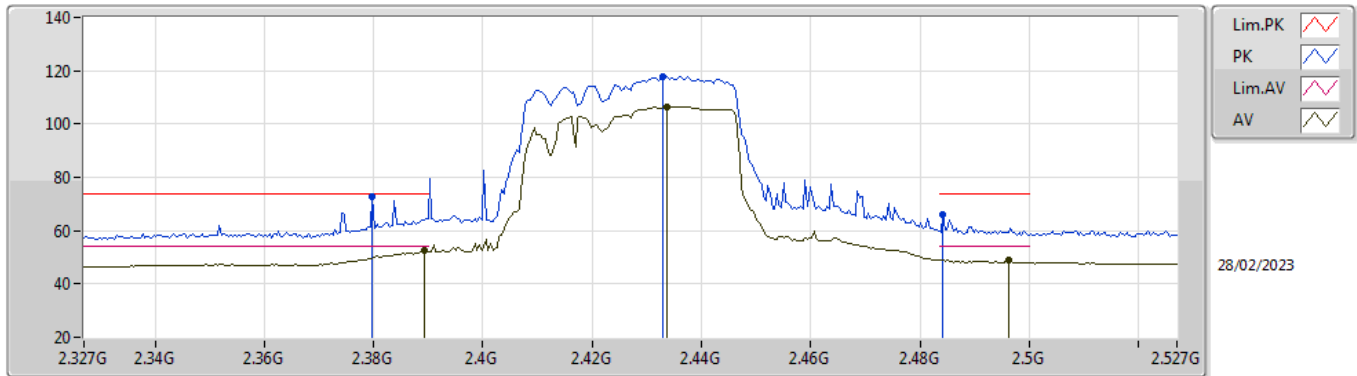


EUT Z_2TX
Setting 23
04-H-J-8

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	72.99	74.00	-1.01	42.17	3	Vertical	150	2.41	-	27.63	3.19	-
AV	2.389G	50.30	54.00	-3.70	19.48	3	Vertical	150	2.41	-	27.63	3.19	-
PK	2.4198G	112.93	Inf	-Inf	82.01	3	Vertical	150	2.41	-	27.70	3.22	-
AV	2.4178G	103.94	Inf	-Inf	73.02	3	Vertical	150	2.41	-	27.70	3.22	-
PK	2.4914G	59.10	74.00	-14.90	27.94	3	Vertical	150	2.41	-	27.87	3.29	-
AV	2.4854G	46.86	54.00	-7.14	15.73	3	Vertical	150	2.41	-	27.84	3.29	-

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

2427MHz_TX

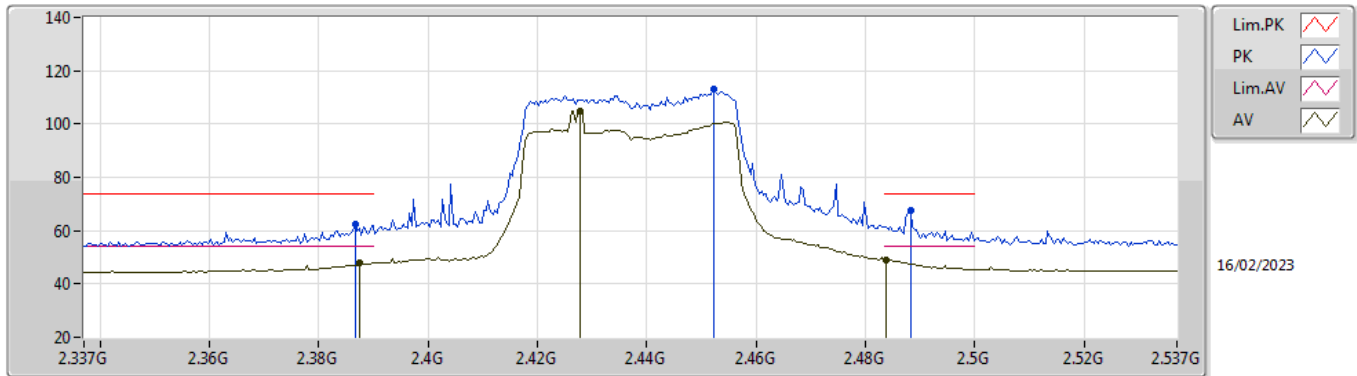


EUT_Z_2TX
Setting 23
04-H-J-8

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	2.3798G	72.66	74.00	-1.34	41.89	3	Horizontal	88	1.52	-	27.58	3.19	-
AV	2.3894G	52.47	54.00	-1.53	21.64	3	Horizontal	88	1.52	-	27.64	3.19	-
PK	2.433G	117.78	Inf	-Inf	86.85	3	Horizontal	88	1.52	-	27.70	3.23	-
AV	2.4338G	106.46	Inf	-Inf	75.53	3	Horizontal	88	1.52	-	27.70	3.23	-
PK	2.4842G	66.13	74.00	-7.87	35.01	3	Horizontal	88	1.52	-	27.84	3.28	-
AV	2.4962G	49.12	54.00	-4.88	17.94	3	Horizontal	88	1.52	-	27.88	3.30	-

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

2437MHz_TX

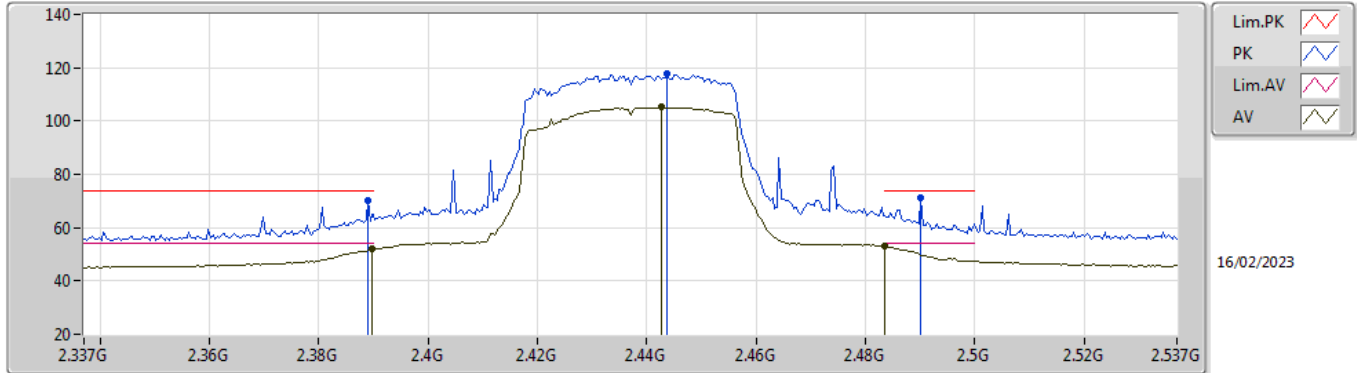


EUT_Z_2TX
Setting 25
03-F-R-7

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	62.60	74.00	-11.40	30.41	3	Vertical	143.4	2.85	-	28.20	3.99	-
AV	2.3874G	48.17	54.00	-5.83	15.98	3	Vertical	143.4	2.85	-	28.20	3.99	-
PK	2.4522G	113.07	Inf	-Inf	80.81	3	Vertical	143.4	2.85	-	28.21	4.05	-
AV	2.4278G	104.99	Inf	-Inf	72.76	3	Vertical	143.4	2.85	-	28.20	4.03	-
PK	2.4882G	67.72	74.00	-6.28	35.20	3	Vertical	143.4	2.85	-	28.43	4.09	-
AV	2.4838G	48.99	54.00	-5.01	16.51	3	Vertical	143.4	2.85	-	28.40	4.08	-

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

2437MHz_TX

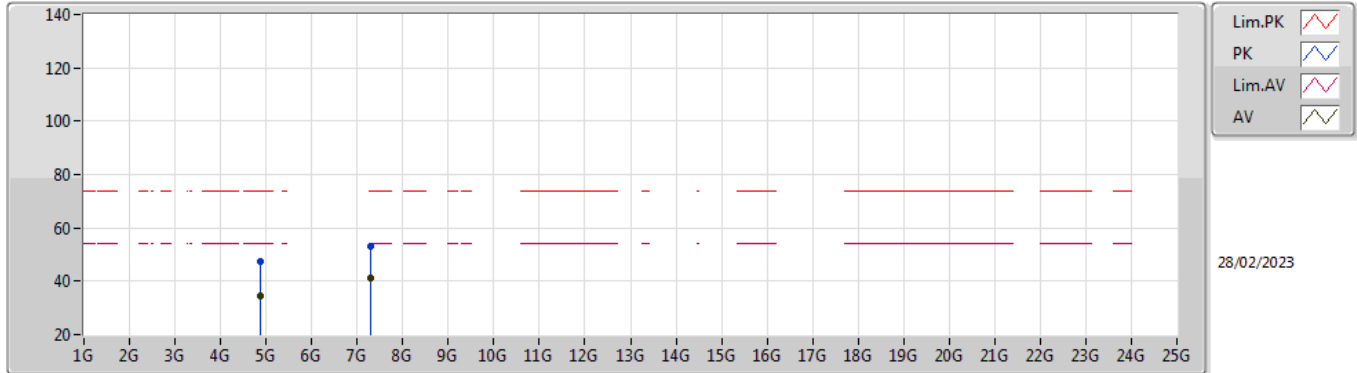


EUT Z_2TX
Setting 25
03-F-R-7

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	70.33	74.00	-3.67	38.14	3	Horizontal	95.1	1.40	-	28.20	3.99	-
AV	2.3898G	51.96	54.00	-2.04	19.77	3	Horizontal	95.1	1.40	-	28.20	3.99	-
PK	2.4438G	117.73	Inf	-Inf	85.49	3	Horizontal	95.1	1.40	-	28.20	4.04	-
AV	2.4426G	105.10	Inf	-Inf	72.86	3	Horizontal	95.1	1.40	-	28.20	4.04	-
PK	2.4902G	71.45	74.00	-2.55	38.92	3	Horizontal	95.1	1.40	-	28.44	4.09	-
AV	2.4835G	52.90	54.00	-1.10	20.42	3	Horizontal	95.1	1.40	-	28.40	4.08	-

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

2437MHz_TX

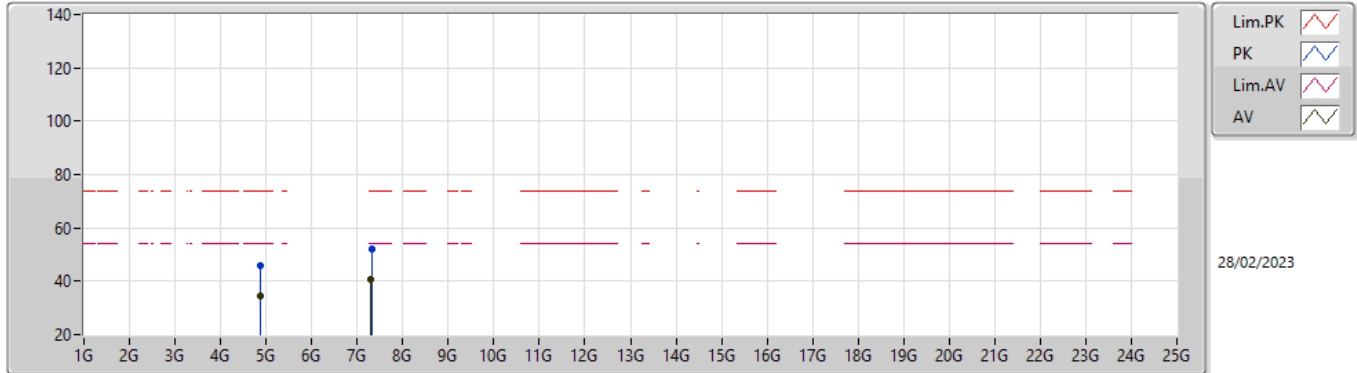


EUT Z_2TX
Setting 25
04-H-J-8

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	4.8773G	47.24	74.00	-26.76	41.81	3	Vertical	357	1.80	-	32.75	5.30	32.62
AV	4.86482G	34.62	54.00	-19.38	29.22	3	Vertical	357	1.80	-	32.73	5.30	32.63
PK	7.3065G	53.00	74.00	-21.00	41.60	3	Vertical	324	3.00	-	37.70	6.91	33.21
AV	7.30968G	41.25	54.00	-12.75	29.86	3	Vertical	324	3.00	-	37.70	6.91	33.22

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

2437MHz_TX

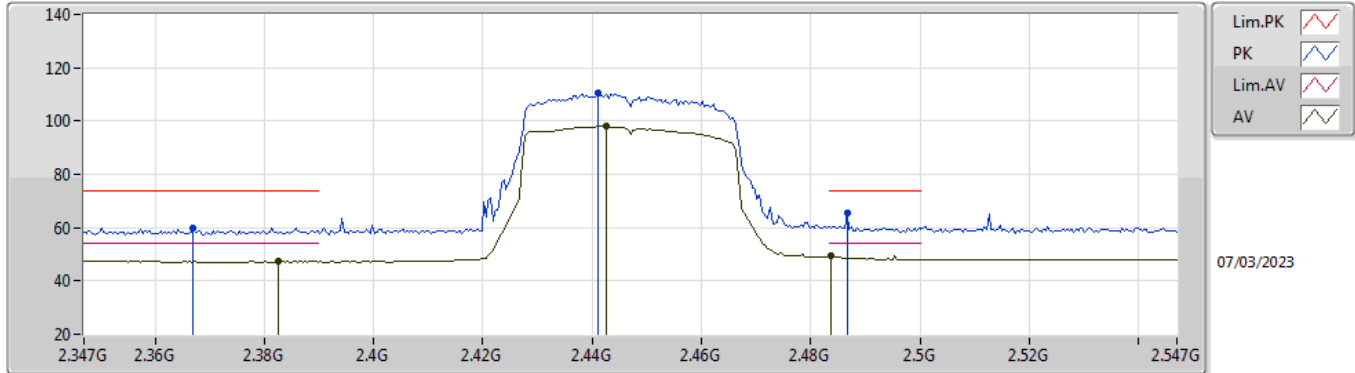


EUT_Z_2TX
Setting 25
04-H-J-8

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	4.8596G	46.10	74.00	-27.90	40.71	3	Horizontal	73	2.62	-	32.72	5.30	32.63
AV	4.86884G	34.65	54.00	-19.35	29.24	3	Horizontal	73	2.62	-	32.74	5.30	32.63
PK	7.31154G	52.20	74.00	-21.80	40.81	3	Horizontal	222	1.94	-	37.70	6.91	33.22
AV	7.296G	40.83	54.00	-13.17	29.46	3	Horizontal	222	1.94	-	37.68	6.90	33.21

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

2447MHz_TX

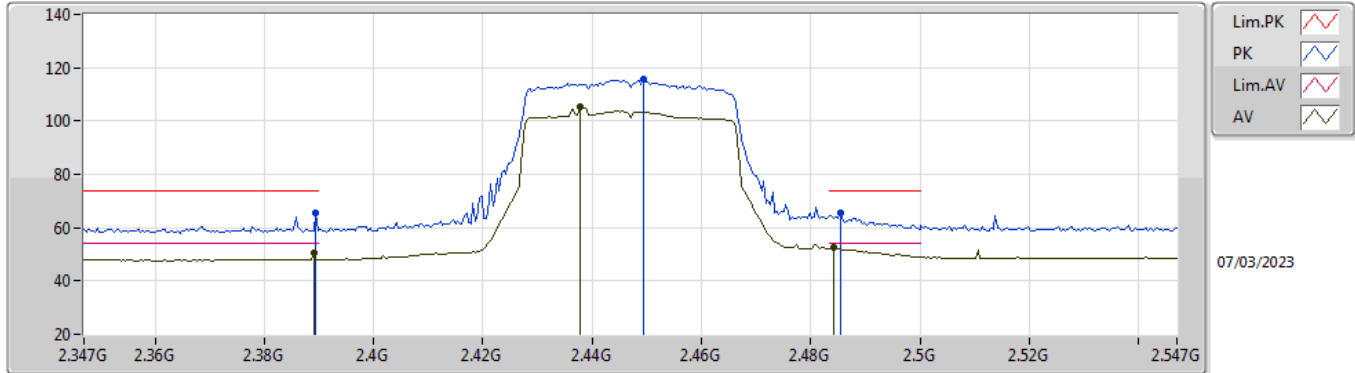


EUT Z_2TX
Setting 21
03-H-J-8

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	2.367G	59.99	74.00	-14.01	27.82	3	Vertical	159	2.91	-	28.20	3.97	-
AV	2.3826G	47.56	54.00	-6.44	15.38	3	Vertical	159	2.91	-	28.20	3.98	-
PK	2.441G	110.30	Inf	-Inf	78.06	3	Vertical	159	2.91	-	28.20	4.04	-
AV	2.4426G	97.92	Inf	-Inf	65.68	3	Vertical	159	2.91	-	28.20	4.04	-
PK	2.4866G	65.40	74.00	-8.60	32.89	3	Vertical	159	2.91	-	28.42	4.09	-
AV	2.4838G	49.44	54.00	-4.56	16.96	3	Vertical	159	2.91	-	28.40	4.08	-

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

2447MHz_TX

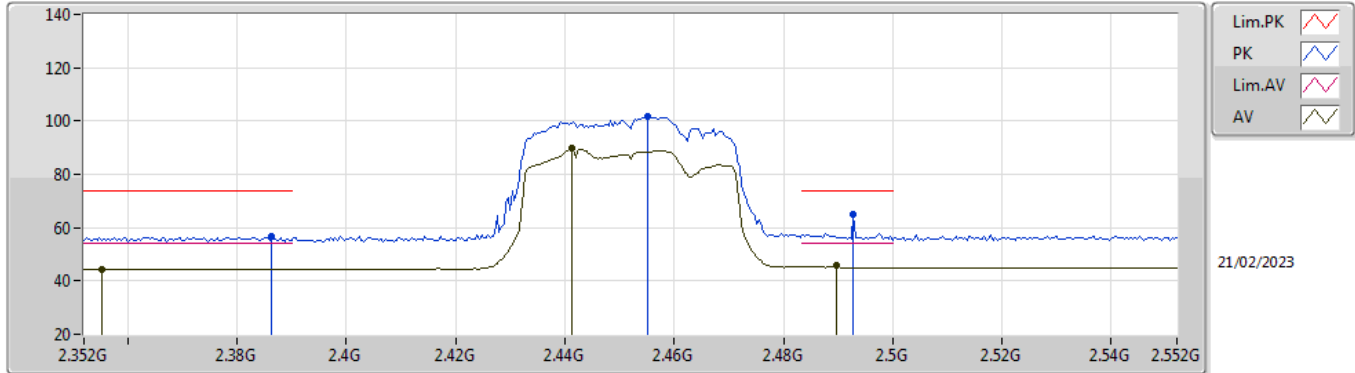


EUT Z_2TX
Setting 21
03-H-J-8

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	2.3894G	65.57	74.00	-8.43	33.38	3	Horizontal	95	1.04	-	28.20	3.99	-
AV	2.389G	50.60	54.00	-3.40	18.41	3	Horizontal	95	1.04	-	28.20	3.99	-
PK	2.4494G	115.53	Inf	-Inf	83.28	3	Horizontal	95	1.04	-	28.20	4.05	-
AV	2.4378G	105.16	Inf	-Inf	72.92	3	Horizontal	95	1.04	-	28.20	4.04	-
PK	2.4854G	65.66	74.00	-8.34	33.16	3	Horizontal	95	1.04	-	28.41	4.09	-
AV	2.4842G	52.46	54.00	-1.54	19.97	3	Horizontal	95	1.04	-	28.41	4.08	-

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

2452MHz_TX

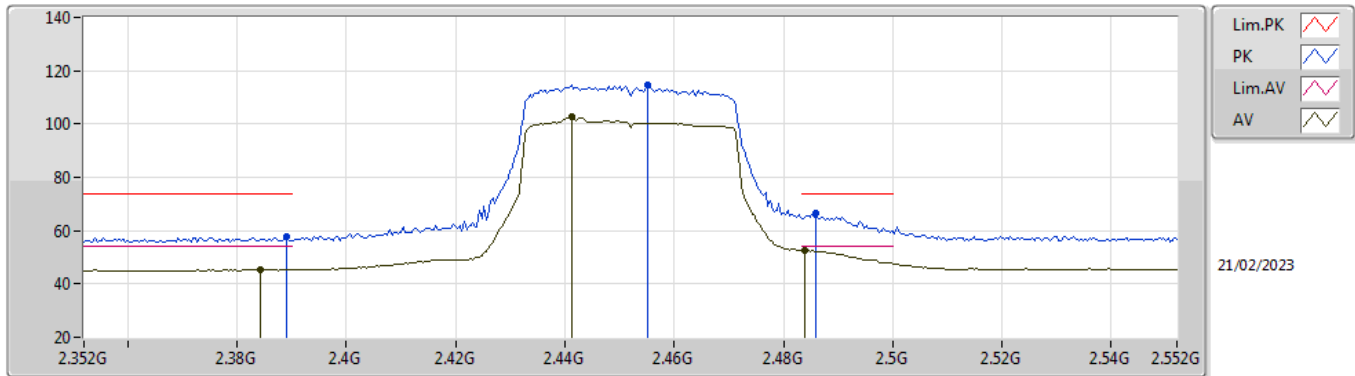


EUT Z_2TX
Setting 20
03-C-R-7

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	2.3864G	56.95	74.00	-17.05	24.76	3	Vertical	238.9	1.09	-	28.20	3.99	-
AV	2.3552G	44.50	54.00	-9.50	12.34	3	Vertical	238.9	1.09	-	28.20	3.96	-
PK	2.4552G	101.55	Inf	-Inf	69.26	3	Vertical	238.9	1.09	-	28.23	4.06	-
AV	2.4412G	89.64	Inf	-Inf	57.40	3	Vertical	238.9	1.09	-	28.20	4.04	-
PK	2.4928G	64.86	74.00	-9.14	32.31	3	Vertical	238.9	1.09	-	28.46	4.09	-
AV	2.4896G	45.73	54.00	-8.27	13.20	3	Vertical	238.9	1.09	-	28.44	4.09	-

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

2452MHz_TX

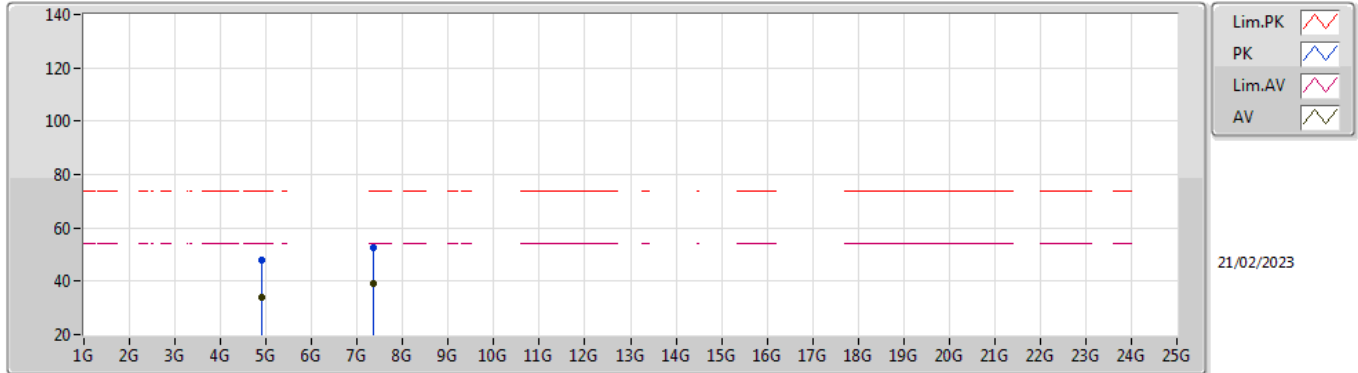


EUT_Z_2TX
Setting 20
03-C-R-7

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	2.3892G	57.79	74.00	-16.21	25.60	3	Horizontal	96.9	1.09	-	28.20	3.99	-
AV	2.3844G	45.32	54.00	-8.68	13.14	3	Horizontal	96.9	1.09	-	28.20	3.98	-
PK	2.4552G	114.55	Inf	-Inf	82.26	3	Horizontal	96.9	1.09	-	28.23	4.06	-
AV	2.4412G	102.87	Inf	-Inf	70.63	3	Horizontal	96.9	1.09	-	28.20	4.04	-
PK	2.486G	66.44	74.00	-7.56	33.93	3	Horizontal	96.9	1.09	-	28.42	4.09	-
AV	2.484G	52.60	54.00	-1.40	20.12	3	Horizontal	96.9	1.09	-	28.40	4.08	-

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

2452MHz_TX

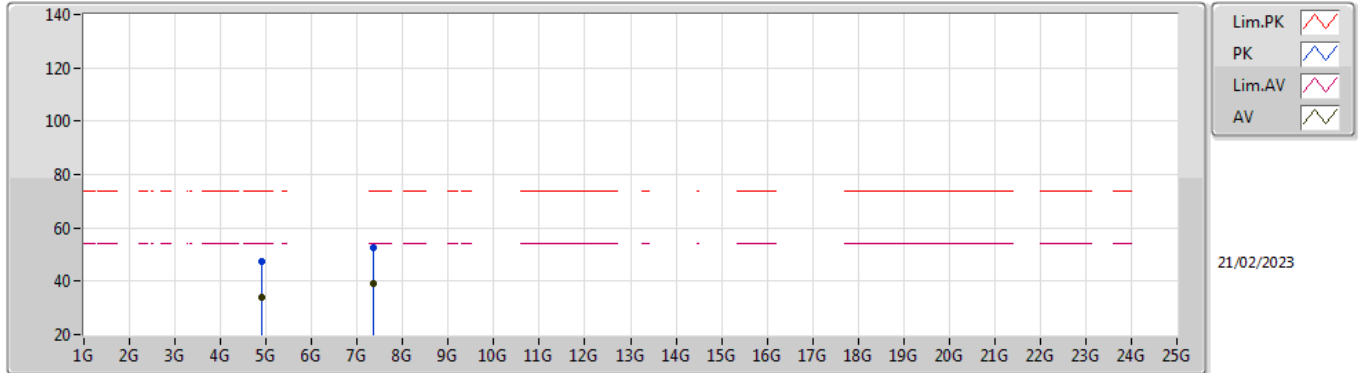


EUT Z_2TX
Setting 20
03-C-R-7

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	4.8958G	47.73	74.00	-26.27	42.40	3	Vertical	38	1.80	-	33.67	6.55	34.89
AV	4.8952G	33.88	54.00	-20.12	28.55	3	Vertical	38	1.80	-	33.67	6.55	34.89
PK	7.3638G	52.61	74.00	-21.39	42.18	3	Vertical	36	1.80	-	36.90	8.70	35.17
AV	7.3626G	39.16	54.00	-14.84	28.73	3	Vertical	36	1.80	-	36.90	8.70	35.17

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

2452MHz_TX



EUT_Z_2TX
Setting 20
03-C-R-7

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	4.90444G	47.66	74.00	-26.34	42.31	3	Horizontal	116	1.80	-	33.69	6.55	34.89
AV	4.896G	34.05	54.00	-19.95	28.71	3	Horizontal	116	1.80	-	33.68	6.55	34.89
PK	7.36512G	52.61	74.00	-21.39	42.18	3	Horizontal	0	1.88	-	36.90	8.70	35.17
AV	7.35888G	39.16	54.00	-14.84	28.73	3	Horizontal	0	1.88	-	36.90	8.70	35.17