

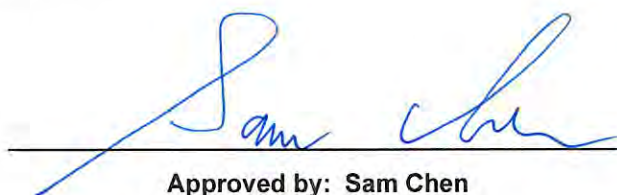


RADIO TEST REPORT

FCC ID : 2AYRA-08450
Equipment : Linksys Velop Micro-Router 6
Brand Name : Linksys
Model Name : LN1100 v2, LN1110 v2, LN1115 v2
Applicant : Linksys USA, Inc.
121 Theory, Irvine, CA. 92617, USA
Standard : 47 CFR FCC Part 15.247

The product was received on Jan. 02, 2024, and testing was started from Jan. 12, 2024 and completed on Feb. 21, 2024. 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.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Information.....	5
1.2 Applicable Standards	9
1.3 Testing Location Information	9
1.4 Measurement Uncertainty	10
2 Test Configuration of EUT	11
2.1 Test Channel Mode	11
2.2 The Worst Case Measurement Configuration	12
2.3 EUT Operation during Test	13
2.4 Accessories	14
2.5 Support Equipment.....	14
2.6 Test Setup Diagram	16
3 Transmitter Test Result	20
3.1 AC Power-line Conducted Emissions	20
3.2 DTS Bandwidth.....	22
3.3 Maximum Conducted Output Power	23
3.4 Power Spectral Density	26
3.5 Emissions in Non-restricted Frequency Bands	28
3.6 Emissions in Restricted Frequency Bands.....	29
4 Test Equipment and Calibration Data	33
Appendix A. Test Results of AC Power-line Conducted Emissions	
Appendix B. Test Results of DTS Bandwidth	
Appendix C. Test Results of Maximum Conducted Output Power	
Appendix D. Test Results of Power Spectral Density	
Appendix E. Test Results of Emissions in Non-restricted Frequency Bands	
Appendix F. Test Results of Emissions in Restricted Frequency Bands	
Appendix G. Test Photos	
Photographs of EUT v01	



History of this test report

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

Page Number : 3 of 34
Issued Date : Mar. 29, 2024
Report Version : 01



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: Cathy Chiu



1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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

**1.1.2 Antenna Information**

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz	Bluetooth					
1	1	-	-	GALTRONICS	02102073-08042E1	Dipole Antenna	U.FL	Note1
2	2	-	-	GALTRONICS	02102073-08042E2	Dipole Antenna	U.FL	
3	-	1	-	GALTRONICS	02102142-08042E2	Dipole Antenna	U.FL	
4	-	2	-	GALTRONICS	02102142-08042E1	Dipole Antenna	U.FL	
5	-	-	1	GALTRONICS	02036073-07196-1	Metal onboard	U.FL	

Note1:

Ant.	Antenna Gain (dBi)						
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 5GHz UNII 4	Bluetooth
1	2.04	-	-	-	-	-	-
2	1.53	-	-	-	-	-	-
3	-	2.10	2.63	2.68	2.68	2.53	-
4	-	3.19	3.27	2.98	3.50	3.50	-
5	-	-	-	-	-	-	2.92

Note 2: The above information was declared by manufacturer.

Note 3: Directional gain information

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

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

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

Where ;

$$2.4G \ G1 = 2.04 \text{ dBi} ; G2 = 1.53 \text{ dBi} ;$$

$$5G \ \text{UNII-1} \ G1 = 2.10 \text{ dBi} ; G2 = 3.19 \text{ dBi} ;$$

$$5G \ \text{UNII-2A} \ G1 = 2.63 \text{ dBi} ; G2 = 3.27 \text{ dBi} ;$$

$$5G \ \text{UNII-2C} \ G1 = 2.68 \text{ dBi} ; G2 = 2.98 \text{ dBi} ;$$

$$5G \ \text{UNII-3} \ G1 = 2.68 \text{ dBi} ; G2 = 3.50 \text{ dBi} ;$$

$$5G \ \text{UNII-4} \ G1 = 2.53 \text{ dBi} ; G2 = 3.50 \text{ dBi} ;$$

$$2.4G \ DG = 4.80 \text{ dBi}$$

$$5G \ \text{UNII-1} \ DG = 5.67 \text{ dBi}$$

$$5G \ \text{UNII-2A} \ DG = 5.97 \text{ dBi}$$

$$5G \ \text{UNII-2C} \ DG = 5.84 \text{ dB}$$

$$5G \ \text{UNII-3} \ DG = 6.11 \text{ dBi}$$

$$5G \ \text{UNII-4} \ DG = 6.04 \text{ dBi}$$

<For 2.4GHz function>

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

<For 5GHz function>

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

<For Bluetooth function> (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

Port 1 could transmit/receive simultaneously.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz)_1/T
802.11b_Nss 1,(1D)	0.999	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss 1,(6D)	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20-BF_Nss 1,(M0)	0.974	0.11	3.472m	300
802.11ax HEW40-BF_Nss 1,(M0)	0.958	0.19	3.896m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	For Non-beamforming mode: QRCT V4.0.00192.0 For Beamforming mode: DOS[6.1.7601]			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Model Name	Description
LN1100 v2	For retail
LN1110 v2	For e-commerce
LN1115 v2	For Warehouse

Note 1: From the above models, model: LN1100 v2 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.1.6 Table for EUT Supports Function

Function
AP Router
Mesh

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

Note2: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

Testing Location Information				
Test Lab. : Sporton International Inc. Hsinchu Laboratory				
Hsinchu 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	21.6~22.6 / 68~69	Jan. 17, 2024~ Jan. 25, 2024
Radiated (Below 1GHz)	03CH05-CB	Gordon Hung	21.9-22.4 / 55-58	Feb. 21, 2024
Radiated (Above 1GHz)	03CH03-CB	Gordon Hung	21.4-22.5 / 55-58	Jan. 12, 2024~ Jan. 24, 2024
	03CH05-CB	Gordon Hung	21.9-22.4 / 55-58	Jan. 12, 2024~ Jan. 24, 2024
AC Conduction	CO01-CB	Summer Li	19-20 / 54-55	Jan. 25, 2024



1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11b_Nss1,(1Mbps)_2TX
2412MHz
2437MHz
2462MHz
802.11g_Nss1,(6Mbps)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11ax HEW20-BF_Nss1,(MCS0)_2TX
2412MHz
2417MHz
2437MHz
2457MHz
2462MHz
802.11ax HEW40-BF_Nss1,(MCS0)_2TX
2422MHz
2437MHz
2452MHz

Note:

- ♦ Evaluated HEW20/HEW40 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.
- ♦ The EUT supports non-beamforming and beamforming mode, only beamforming mode has been selected to test.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT + Adapter 1
2	EUT + Adapter 2
3	EUT + Adapter 3 + US Plug
For operating mode 2 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
For WLAN mode: After evaluating, the worst case was found at Z axis from Emissions in Restricted Frequency Bands above 1GHz. Thus, the measurement will follow this same test configuration. For Bluetooth mode: After evaluating, the worst case was found at Y axis from Emissions in Restricted Frequency Bands above 1GHz. Thus, the measurement will follow this same test configuration.	
1	EUT in Z axis + WLAN 2.4GHz + Adapter 1
2	EUT in Z axis + WLAN 2.4GHz + Adapter 2
3	EUT in Z axis + WLAN 2.4GHz + Adapter 3 + US Plug
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 ~ 5 will follow this same test mode.	
4	EUT in Z axis + WLAN 5GHz + Adapter 3 + US Plug
5	EUT in Y axis + Bluetooth + Adapter 3 + US Plug
For operating mode 4 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, so it was selected to perform test and its test result was written in the report.	
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 + Bluetooth
Refer to Sporton Test Report No.: FA3D2303 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

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 1	Ktec	KSA-18W-120150VU	INPUT: 100-240V ~ 50/60Hz, 0.5A OUTPUT: 12V, 1.5A
Adapter 2	MOSO	MS-V1500R120-018H0-US	INPUT: 100-240V~50/60Hz, 0.6A max. OUTPUT: 12V, 1.5A
Adapter 3	Ktec	KSA-18W-120150D5	INPUT: 100-240V ~ 50/60Hz, 0.5A OUTPUT: 12.0V, 1.5A, 18.0W
Others			
RJ-45 cable*1, non-shielded, 1m			
US Plug*1 (Equip with Adapter 3 use only)			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	WAN NB	DELL	E6430	N/A
E	iPhone 12	Apple	A2403	N/A

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

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

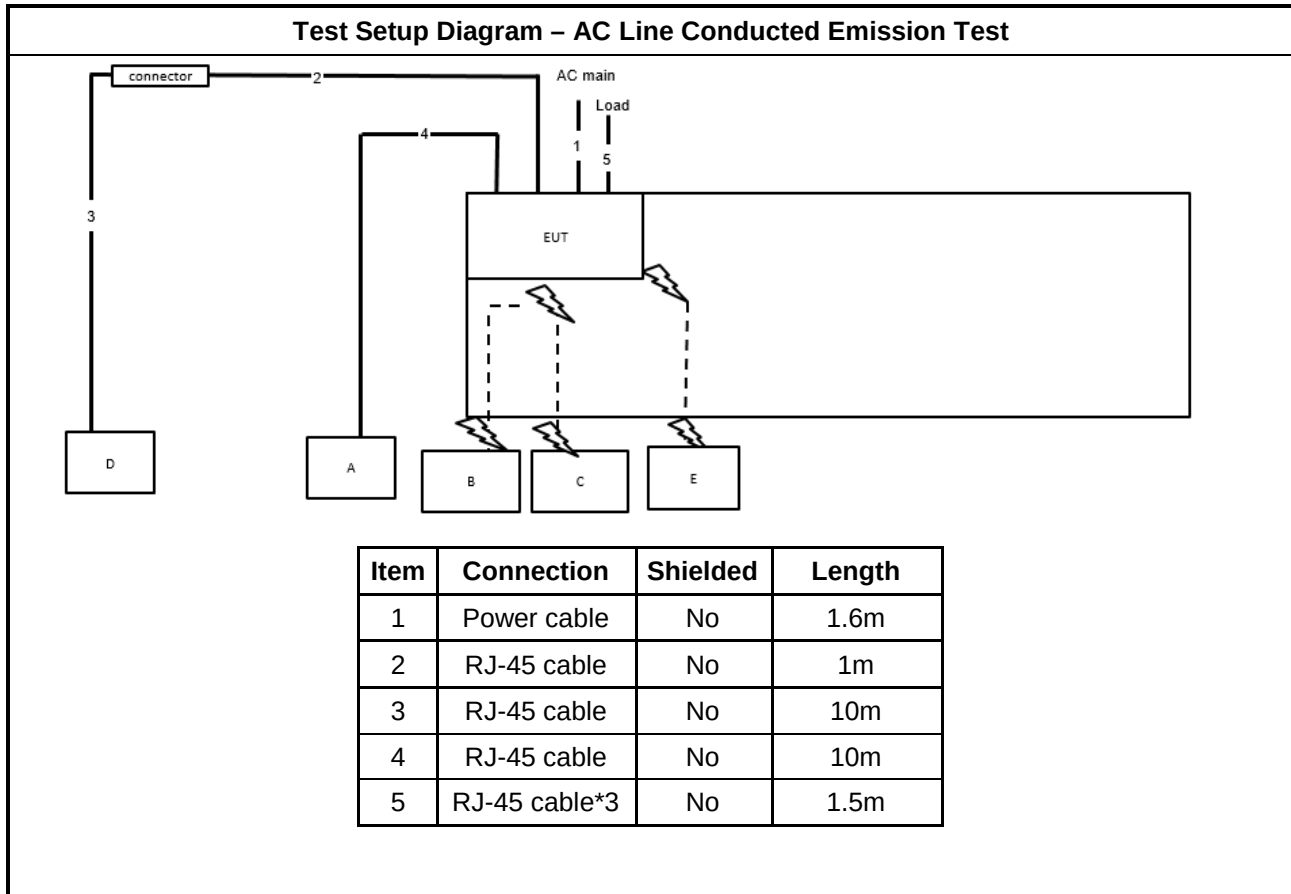
For Radiated (above 1GHz) / Beamforming mode:

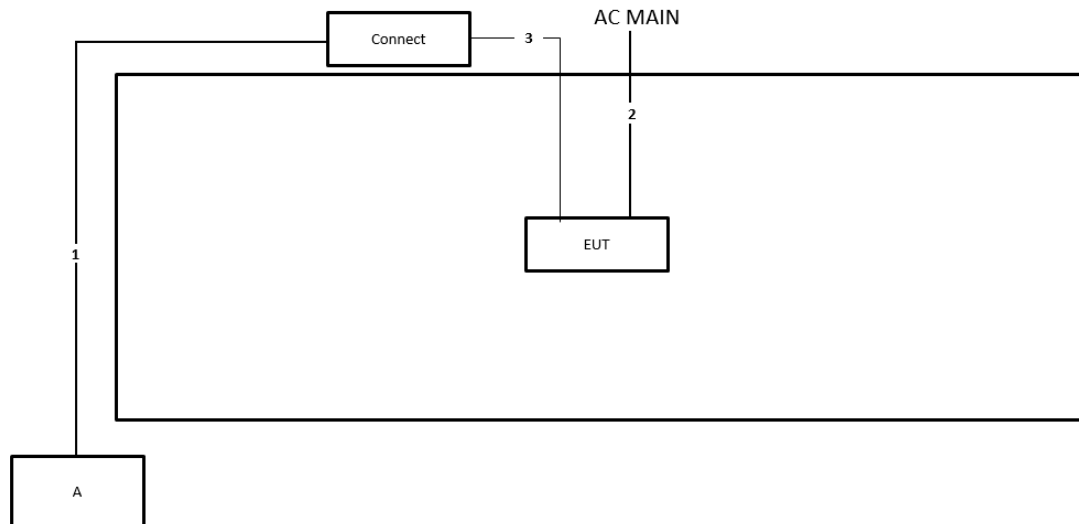
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Client	Linksys	LN1100 v2	N/A
C	Notebook	DELL	E4300	N/A

**For RF Conducted / Beamforming mode:**

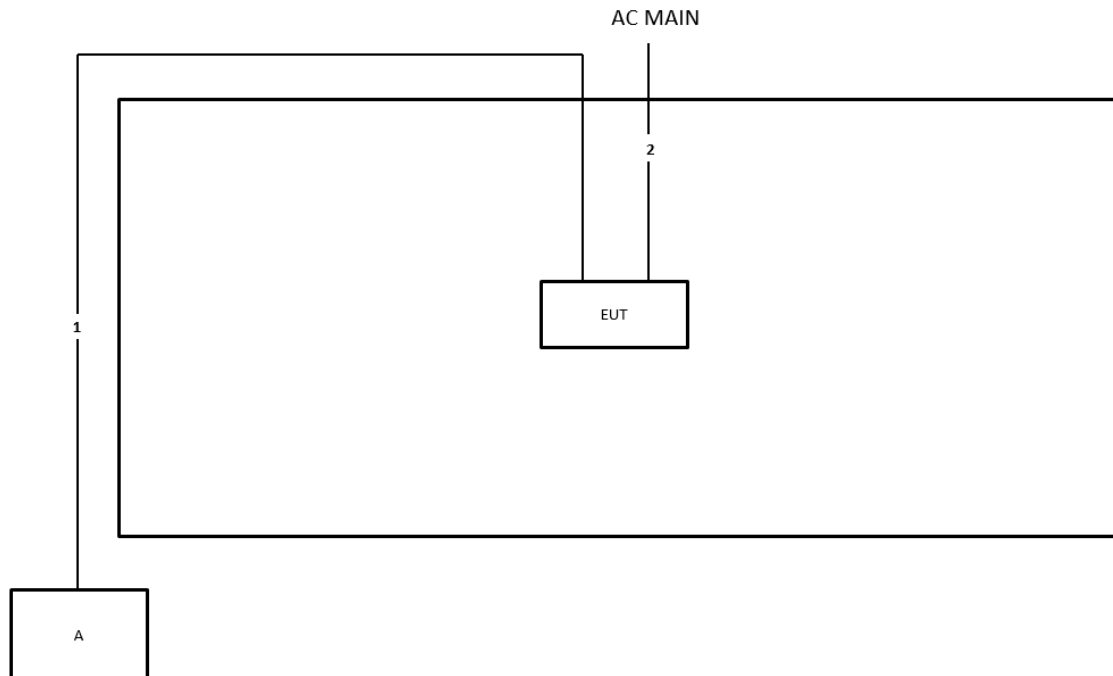
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	Client	Linksys	LN1100 v2	N/A

2.6 Test Setup Diagram

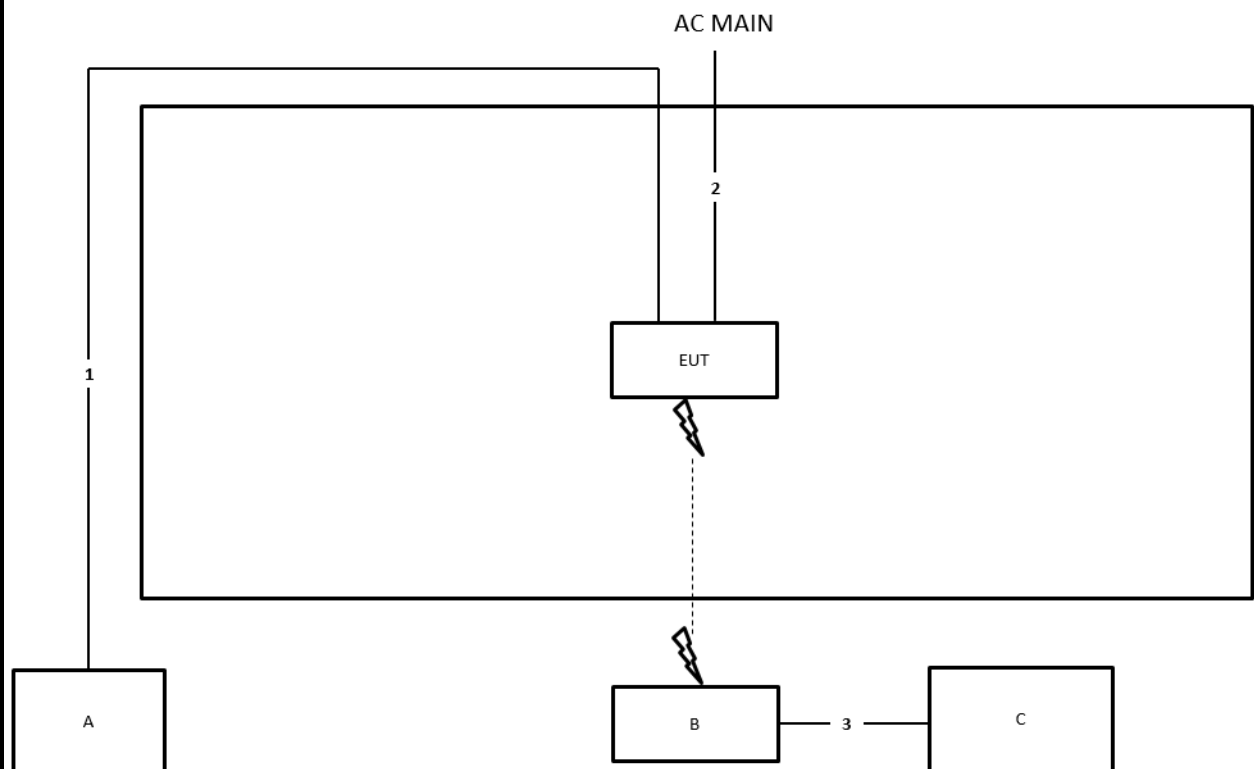


Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.6m
3	RJ-45 cable	No	1.0m

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


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

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


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

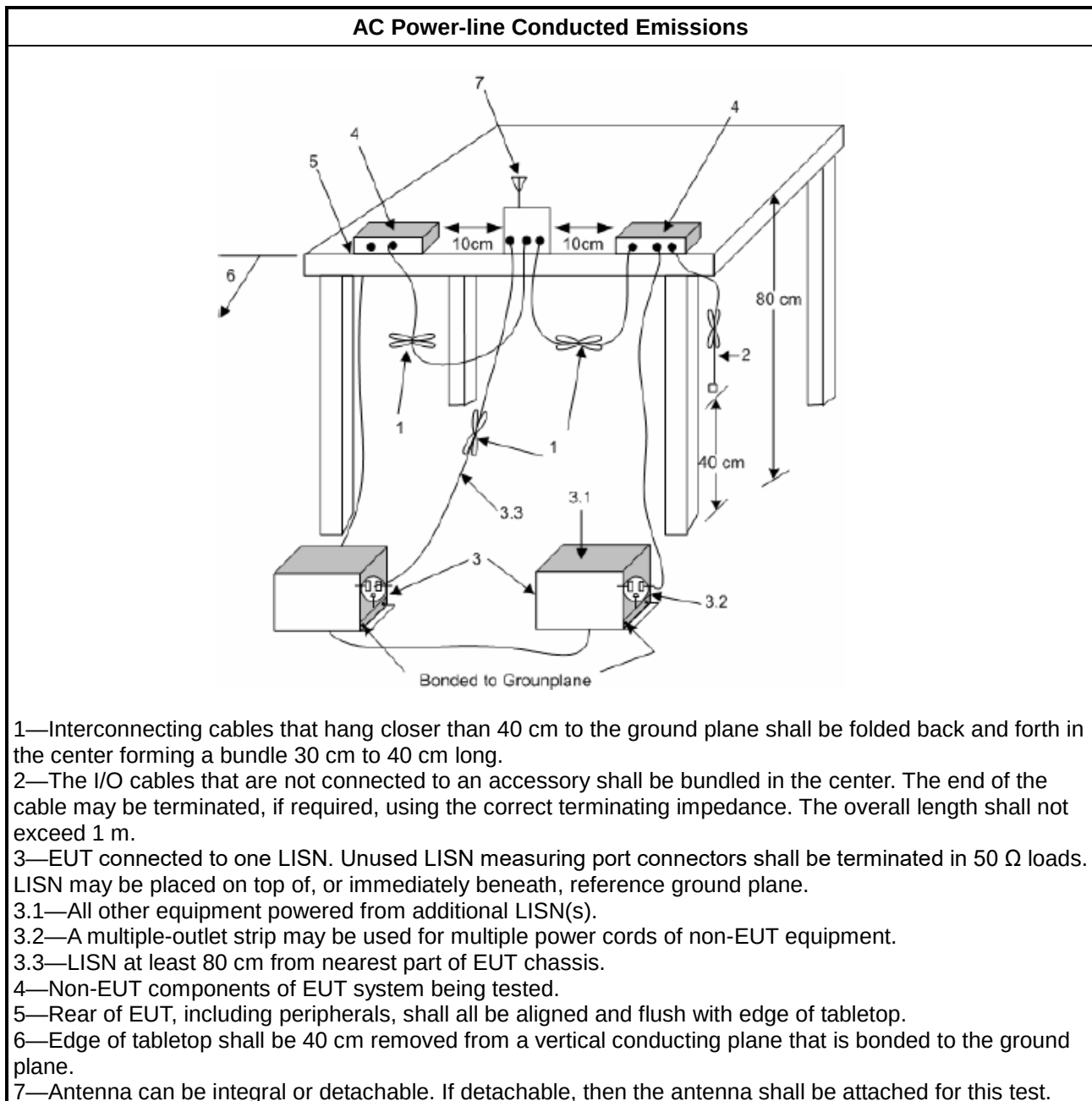
3.1.2 Measuring Instruments

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.

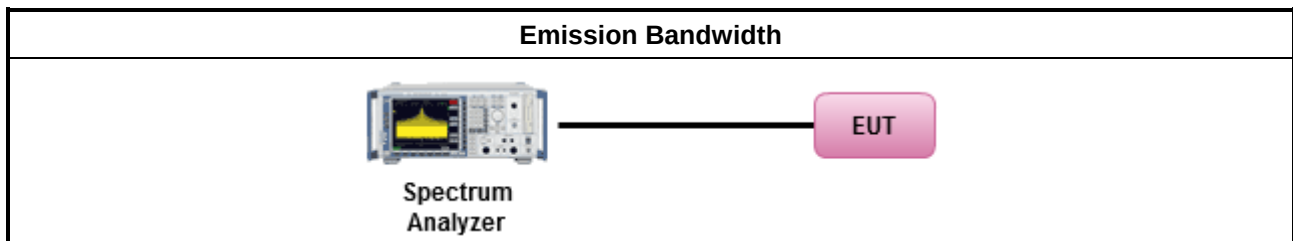
3.2.2 Measuring Instruments

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

Maximum Conducted Output Power (Power Meter)




3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

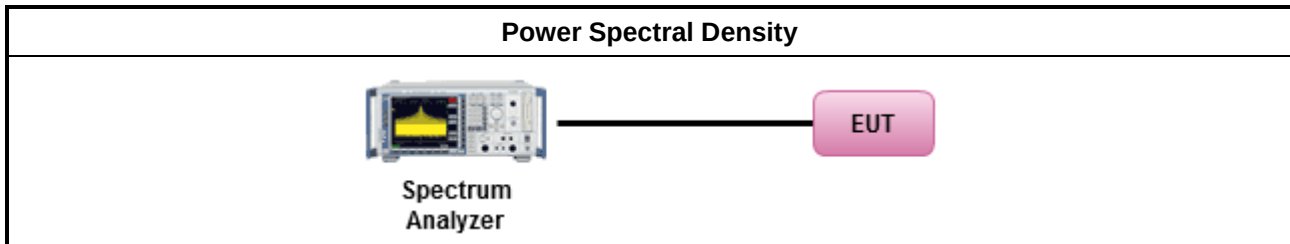
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

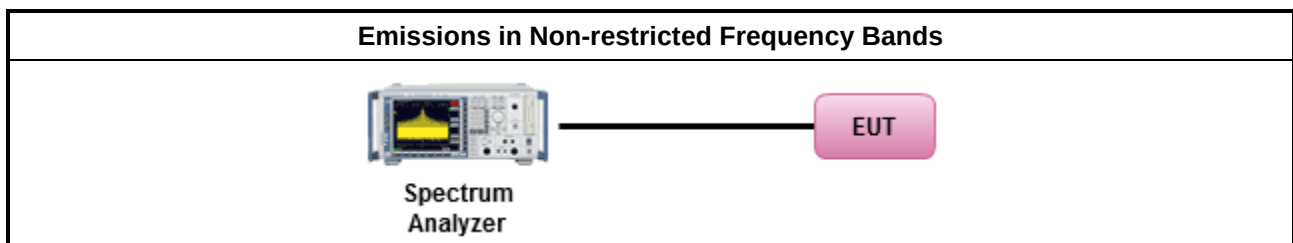
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

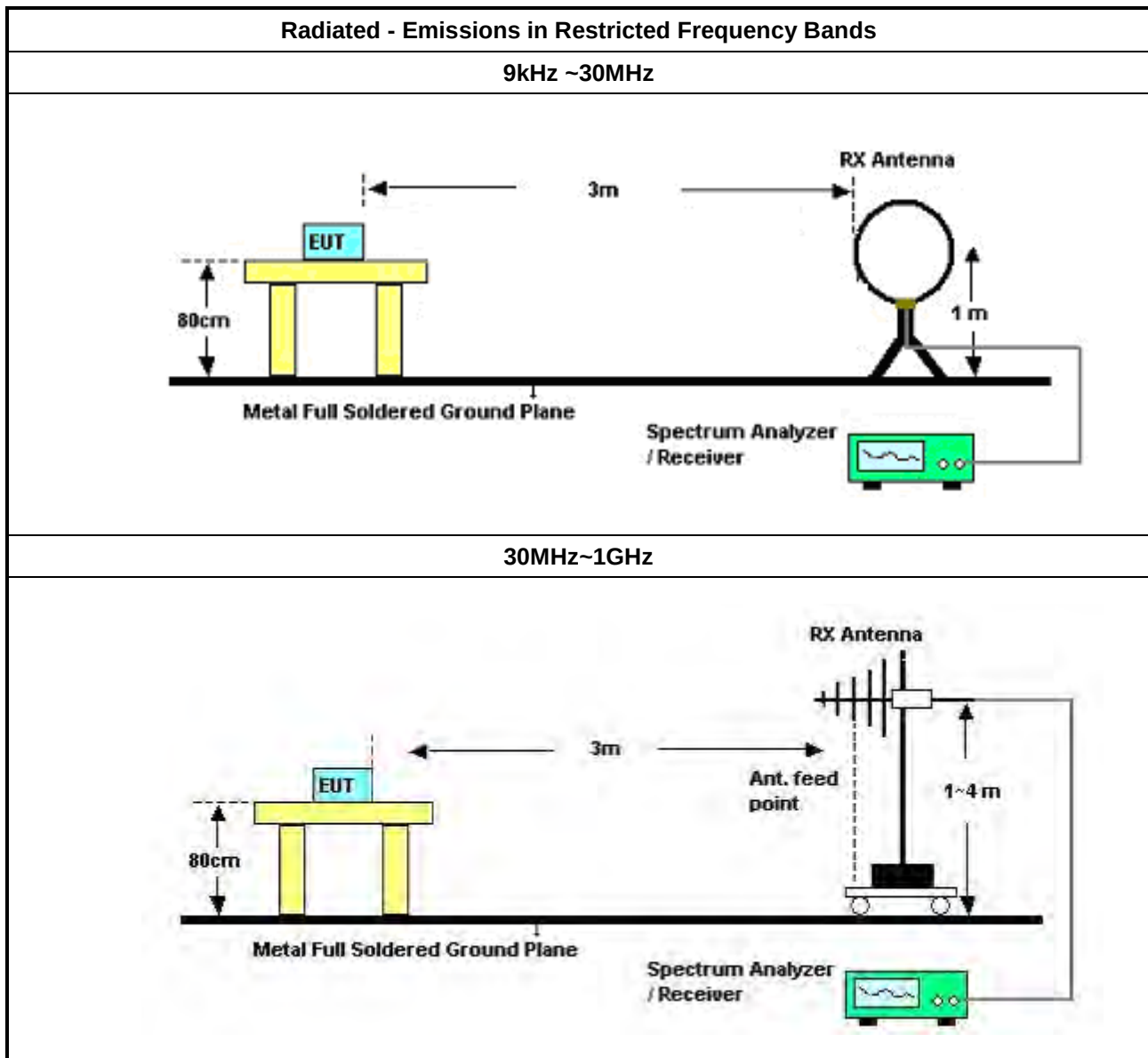
3.6.2 Measuring Instruments

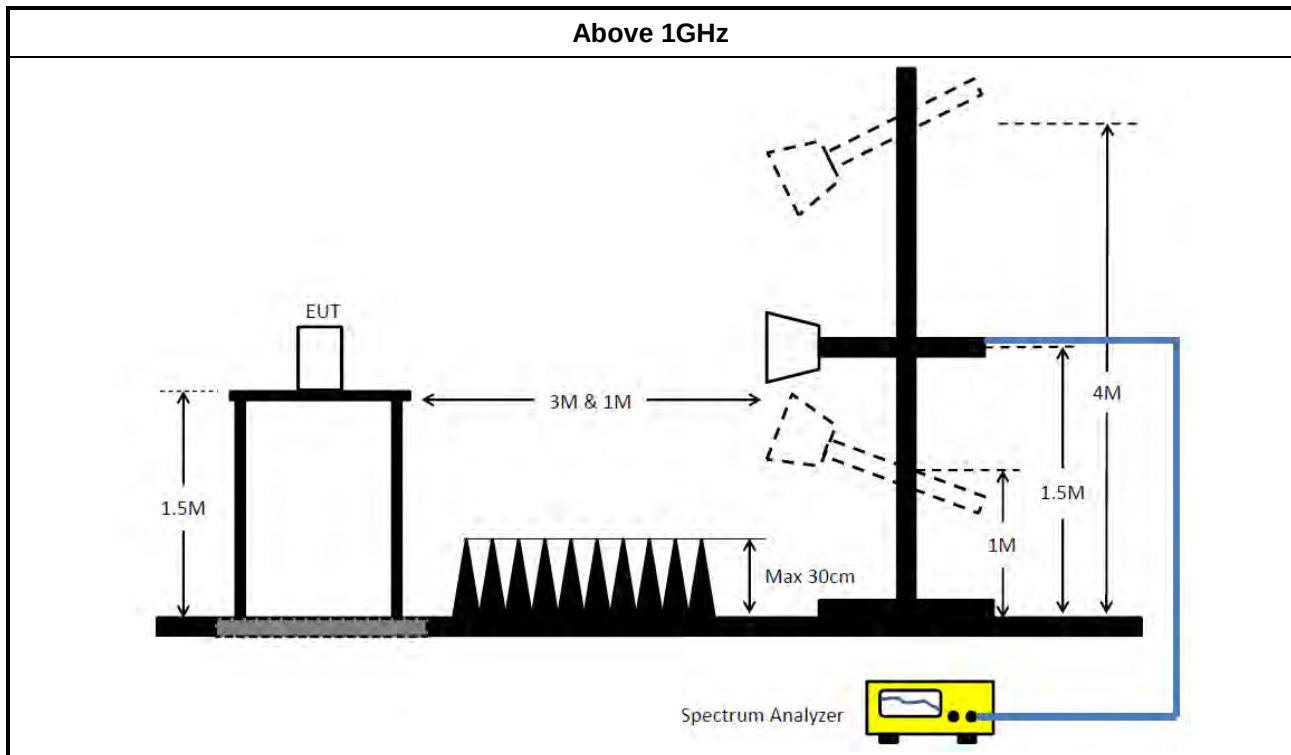
Refer a test equipment and calibration data table in this test report.

**3.6.3 Test Procedures**

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

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-5 0-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 29, 2023	Sep. 28, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCi	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120 D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 08, 2023	Jun. 07, 2024	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630 SE	980287	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Dec. 06, 2023	Dec. 05, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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 04, 2023	May 03, 2024	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Feb. 03, 2023	Feb. 02, 2024	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 12, 2023	Jun. 11, 2024	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Nov. 07, 2023	Nov. 06, 2024	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Nov. 07, 2023	Nov. 06, 2024	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 22, 2023	Dec. 21, 2024	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 04, 2023	Sep. 03, 2024	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 04, 2023	Sep. 03, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 ~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	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.



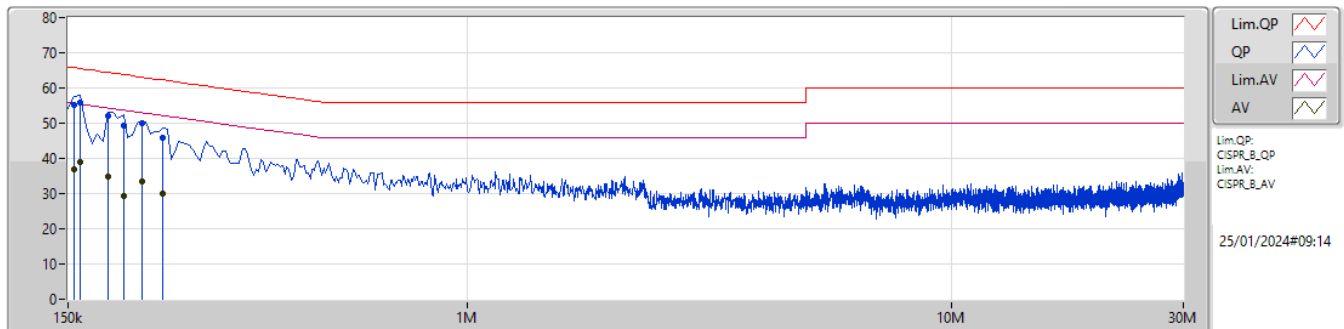
Conducted Emissions at Powerline

Appendix A

Summary

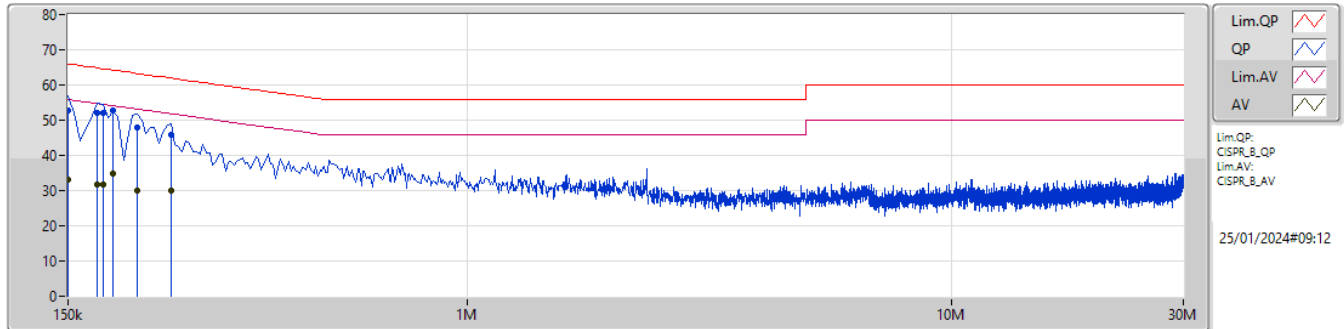
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	QP	159k	56.03	65.52	-9.49	Line

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.5k	55.10	65.75	-10.65	9.98	Line	-	45.12	0.09	0.02	9.87						
AV	154.5k	36.79	55.75	-18.96	9.98	Line	-	26.81	0.09	0.02	9.87						
QP	159k	56.03	65.52	-9.49	9.98	Line	"Worst"	46.05	0.09	0.02	9.87						
AV	159k	39.04	55.52	-16.48	9.98	Line	-	29.06	0.09	0.02	9.87						
QP	181.5k	52.07	64.41	-12.34	9.96	Line	-	42.11	0.08	0.02	9.86						
AV	181.5k	34.69	54.41	-19.72	9.96	Line	-	24.73	0.08	0.02	9.86						
QP	195k	49.14	63.82	-14.68	9.96	Line	-	39.18	0.08	0.02	9.86						
AV	195k	29.48	53.82	-24.34	9.96	Line	-	19.52	0.08	0.02	9.86						
QP	213k	49.86	63.09	-13.23	9.96	Line	-	39.90	0.08	0.02	9.86						
AV	213k	33.44	53.09	-19.65	9.96	Line	-	23.48	0.08	0.02	9.86						
QP	235.5k	45.98	62.25	-16.27	9.97	Line	-	36.01	0.08	0.02	9.87						
AV	235.5k	30.00	52.25	-22.25	9.97	Line	-	20.03	0.08	0.02	9.87						

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	52.66	66.00	-13.34	9.96	Neutral	-	42.70	0.07	0.02	9.87						
AV	150k	33.18	56.00	-22.82	9.96	Neutral	-	23.22	0.07	0.02	9.87						
QP	172.5k	52.13	64.83	-12.70	9.96	Neutral	-	42.17	0.07	0.02	9.87						
AV	172.5k	31.71	54.83	-23.12	9.96	Neutral	-	21.75	0.07	0.02	9.87						
QP	177k	52.13	64.62	-12.49	9.96	Neutral	-	42.17	0.07	0.02	9.87						
AV	177k	31.71	54.62	-22.91	9.96	Neutral	-	21.75	0.07	0.02	9.87						
QP	186k	52.66	64.20	-11.54	9.95	Neutral	"Worst"	42.71	0.07	0.02	9.86						
AV	186k	34.72	54.20	-19.48	9.95	Neutral	-	24.77	0.07	0.02	9.86						
QP	208.5k	47.96	63.27	-15.31	9.95	Neutral	-	38.01	0.07	0.02	9.86						
AV	208.5k	30.17	53.27	-23.10	9.95	Neutral	-	20.22	0.07	0.02	9.86						
QP	244.5k	45.94	61.95	-16.01	9.96	Neutral	-	35.98	0.07	0.02	9.87						
AV	244.5k	30.06	51.95	-21.89	9.96	Neutral	-	20.10	0.07	0.02	9.87						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.575M	13.032M	13M0G1D	6.775M	12.914M
802.11g_Nss1,(6Mbps)_2TX	16.3M	16.357M	16M4D1D	14.45M	16.219M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.2M	18.856M	18M9D1D	10.55M	18.762M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	31.95M	37.455M	37M5D1D	16.4M	37.38M

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	7.725M	12.987M	6.775M	12.987M
2437MHz	Pass	500k	8.575M	13.032M	8.1M	13.02M
2462MHz	Pass	500k	8.125M	12.914M	8.05M	12.997M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.284M	16M	16.269M
2437MHz	Pass	500k	16.05M	16.357M	15.425M	16.32M
2462MHz	Pass	500k	16.275M	16.244M	14.45M	16.219M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.025M	18.762M	10.675M	18.847M
2437MHz	Pass	500k	16.55M	18.798M	10.55M	18.856M
2462MHz	Pass	500k	16.3M	18.797M	18.2M	18.784M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	20.6M	37.38M	18.95M	37.417M
2437MHz	Pass	500k	16.4M	37.417M	30.1M	37.455M
2452MHz	Pass	500k	28.4M	37.42M	31.95M	37.453M

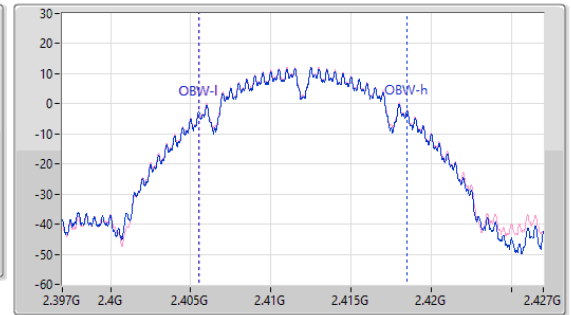
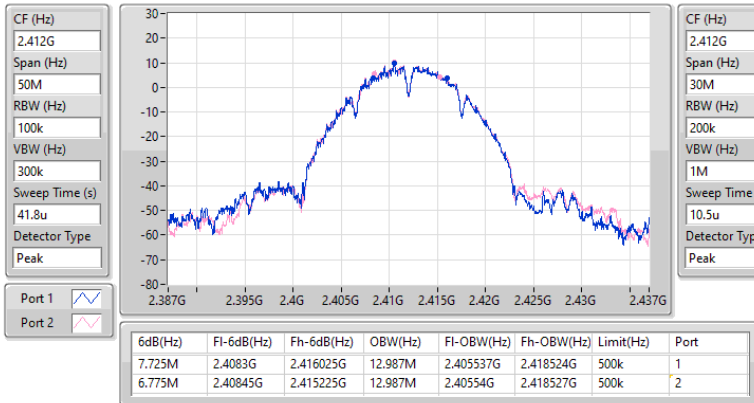
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2412MHz

24/01/2024

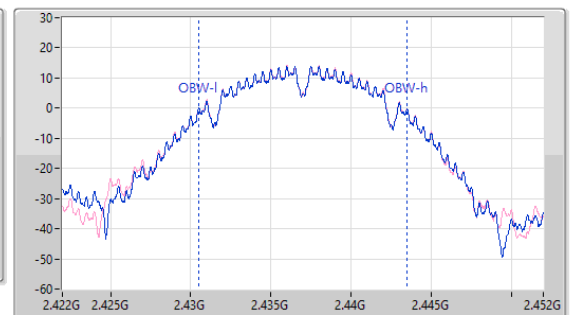
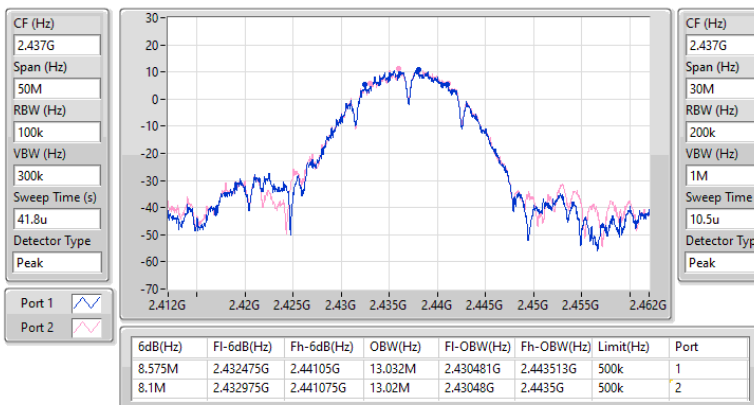


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

24/01/2024

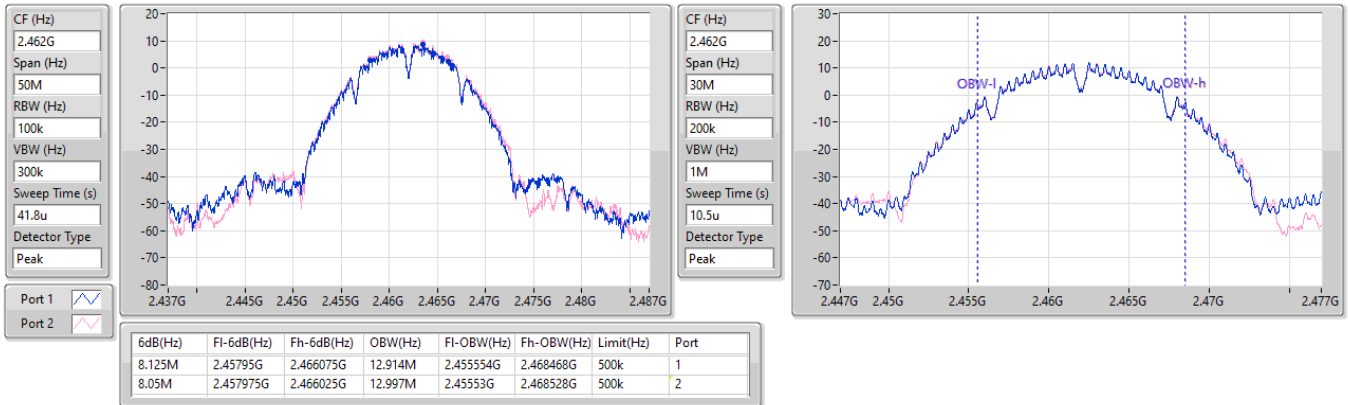


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

24/01/2024

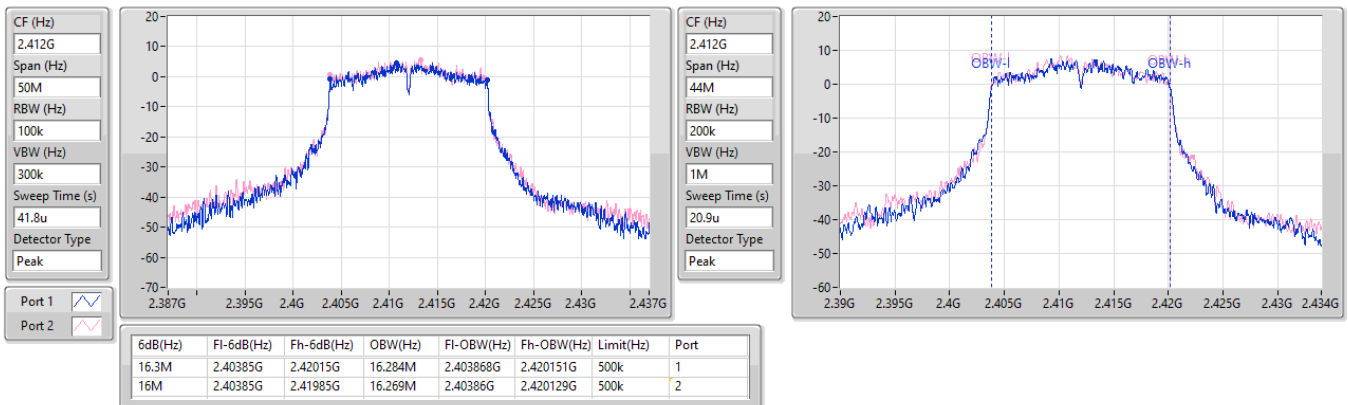


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

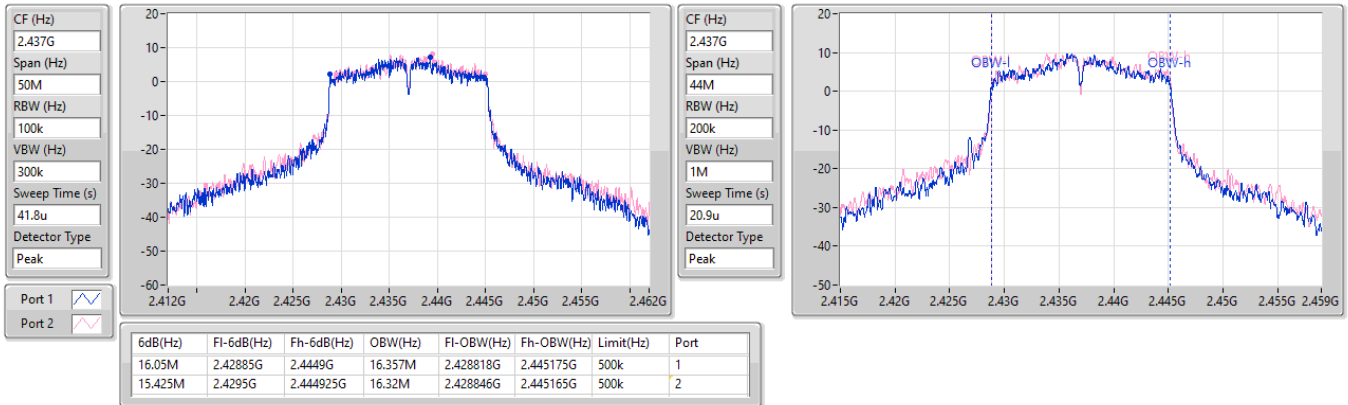
2412MHz

24/01/2024

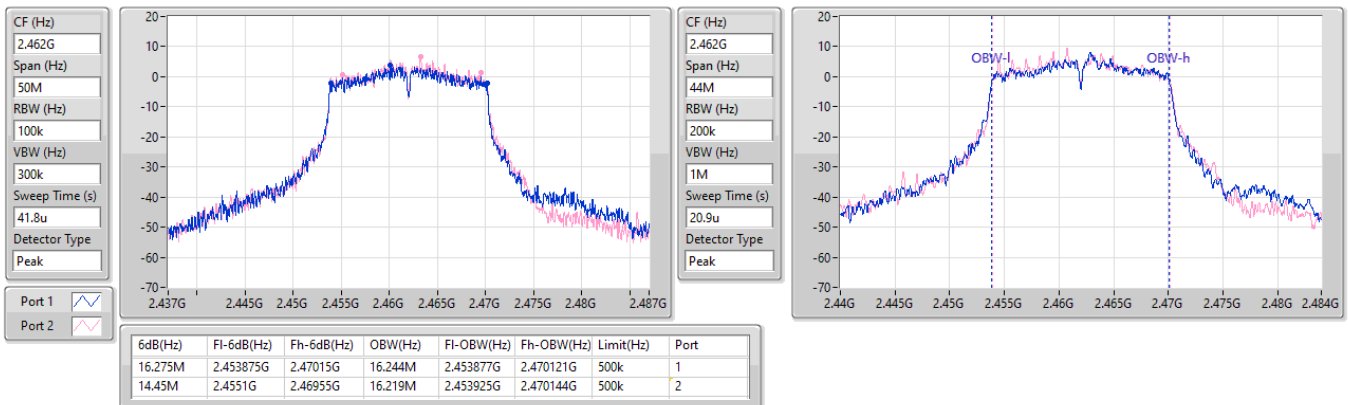


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

24/01/2024


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

24/01/2024

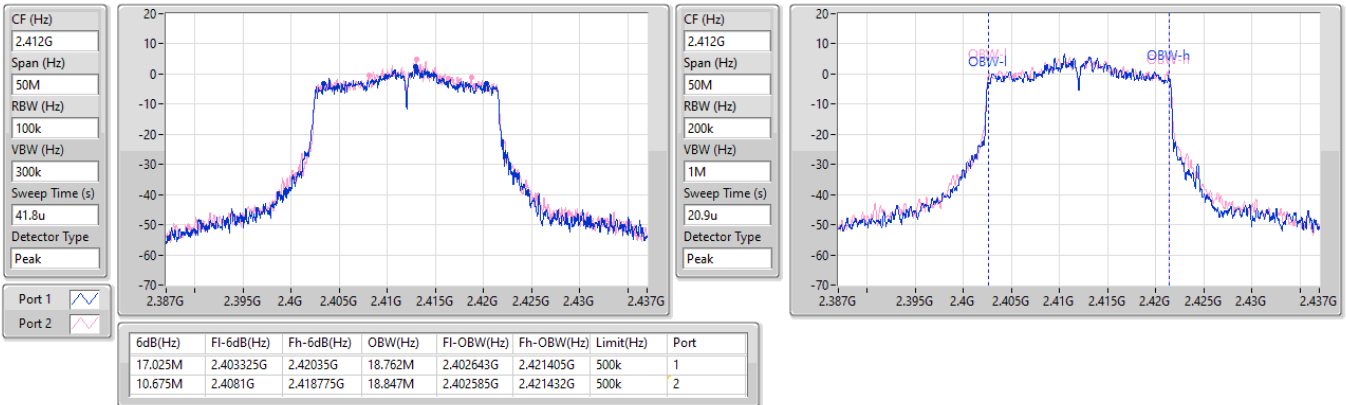


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2412MHz

24/01/2024

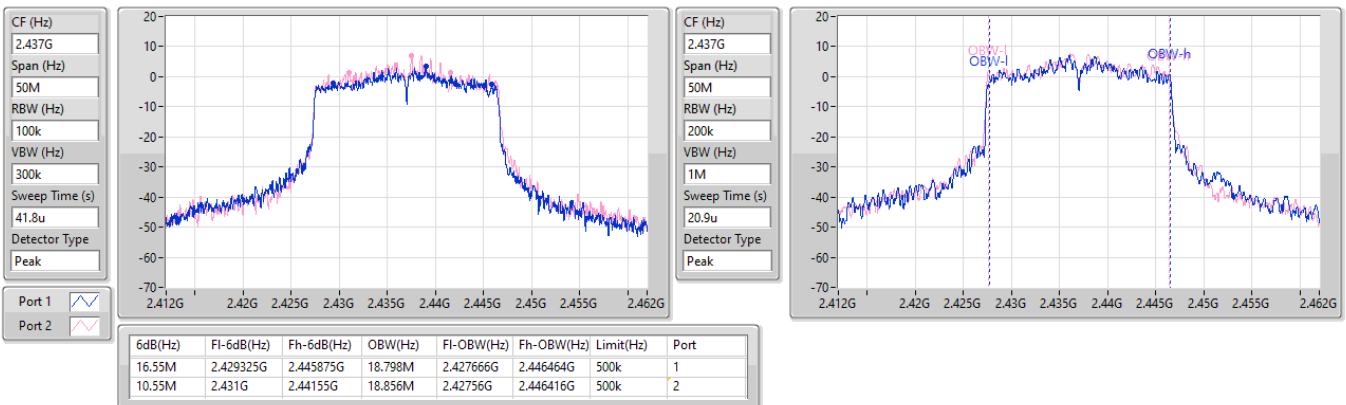


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

24/01/2024

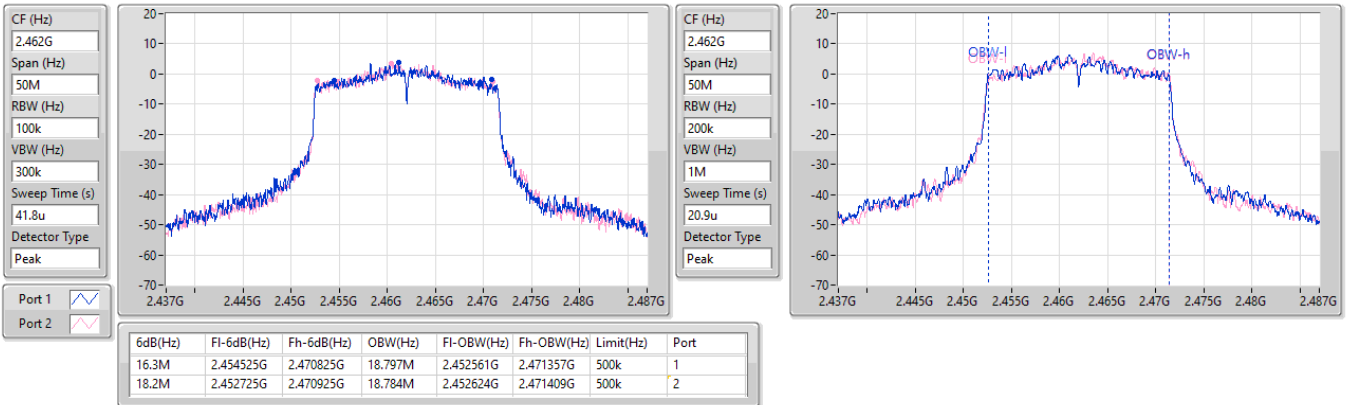


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2462MHz

24/01/2024

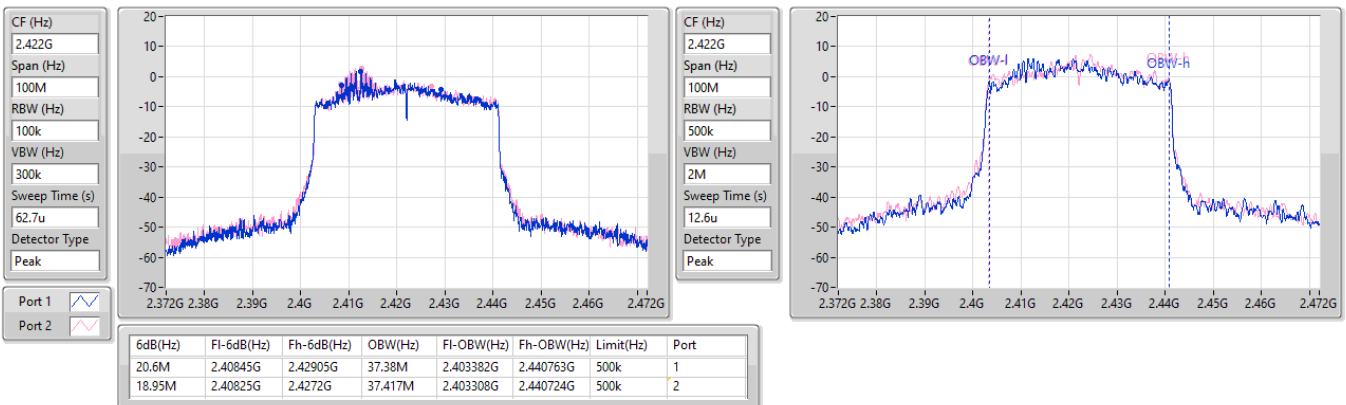


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2422MHz

24/01/2024

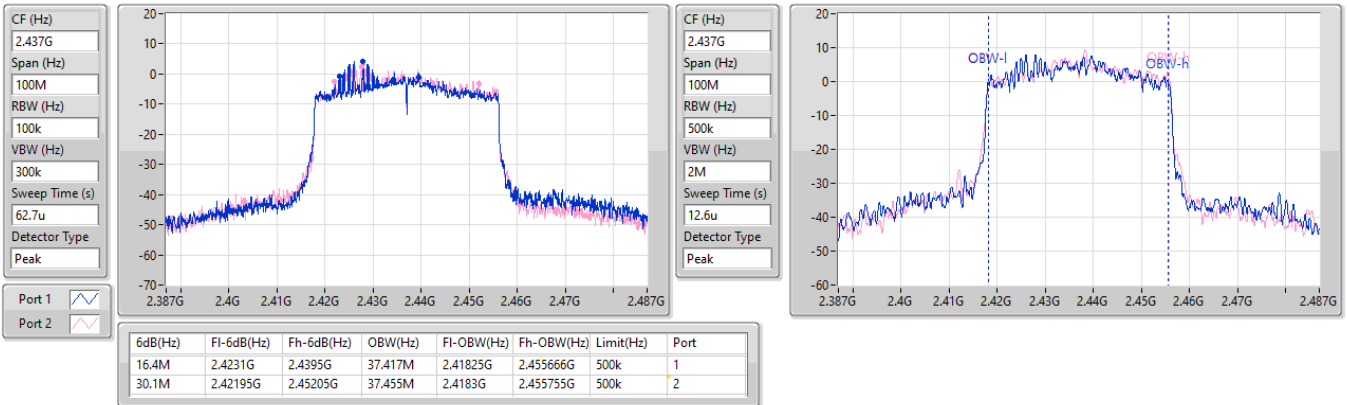


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

24/01/2024

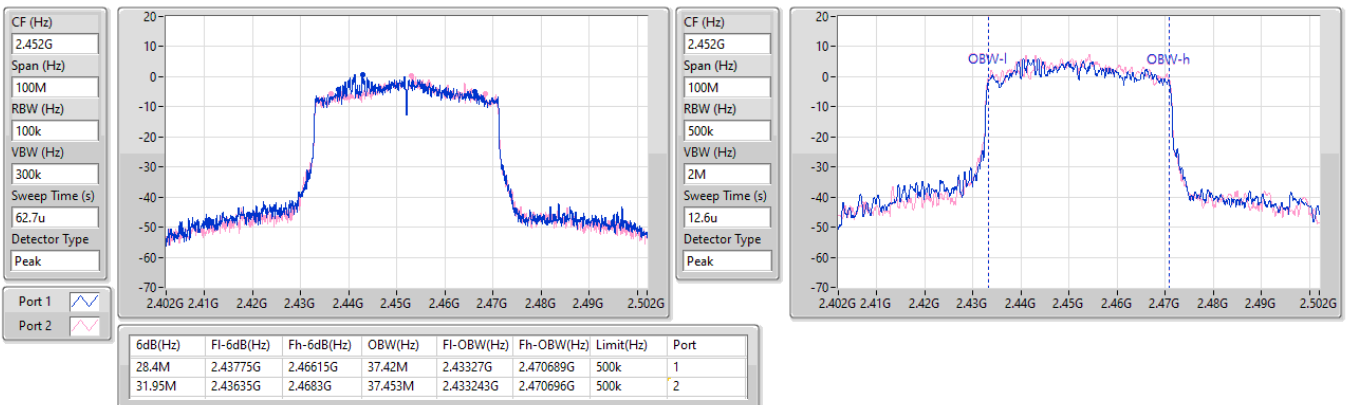


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2452MHz

24/01/2024





Average Power

Appendix C

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.99	0.39719
802.11g_Nss1,(6Mbps)_2TX	24.45	0.27861
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.58	0.22803
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.86	0.09683

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.04	20.43	21.08	23.78	30.00
2437MHz	Pass	2.04	23.12	22.84	25.99	30.00
2462MHz	Pass	2.04	20.42	21.02	23.74	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.04	18.55	19.16	21.88	30.00
2417MHz	Pass	2.04	19.05	19.53	22.31	30.00
2437MHz	Pass	2.04	21.60	21.28	24.45	30.00
2457MHz	Pass	2.04	19.21	19.61	22.42	30.00
2462MHz	Pass	2.04	17.70	18.32	21.03	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.80	15.79	16.28	19.05	30.00
2417MHz	Pass	4.80	17.54	17.97	20.77	30.00
2437MHz	Pass	4.80	20.42	20.72	23.58	30.00
2457MHz	Pass	4.80	17.32	17.72	20.53	30.00
2462MHz	Pass	4.80	16.80	17.19	20.01	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.80	15.11	15.00	18.07	30.00
2437MHz	Pass	4.80	16.82	16.87	19.86	30.00
2452MHz	Pass	4.80	15.73	16.02	18.89	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	-1.09
802.11g_Nss1,(6Mbps)_2TX	-3.40
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-2.18
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-8.32

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	4.80	-7.90	-7.23	-4.56	8.00
2437MHz	Pass	4.80	-2.04	-5.36	-1.09	8.00
2462MHz	Pass	4.80	-7.03	-7.01	-4.45	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.80	-7.81	-6.78	-5.07	8.00
2437MHz	Pass	4.80	-5.85	-5.93	-3.40	8.00
2462MHz	Pass	4.80	-7.63	-8.85	-6.39	8.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.80	-8.35	-5.85	-5.27	8.00
2437MHz	Pass	4.80	-3.90	-3.65	-2.18	8.00
2462MHz	Pass	4.80	-9.40	-7.98	-6.20	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.80	-8.85	-8.74	-8.32	8.00
2437MHz	Pass	4.80	-10.39	-9.97	-8.32	8.00
2452MHz	Pass	4.80	-11.62	-12.09	-10.21	8.00

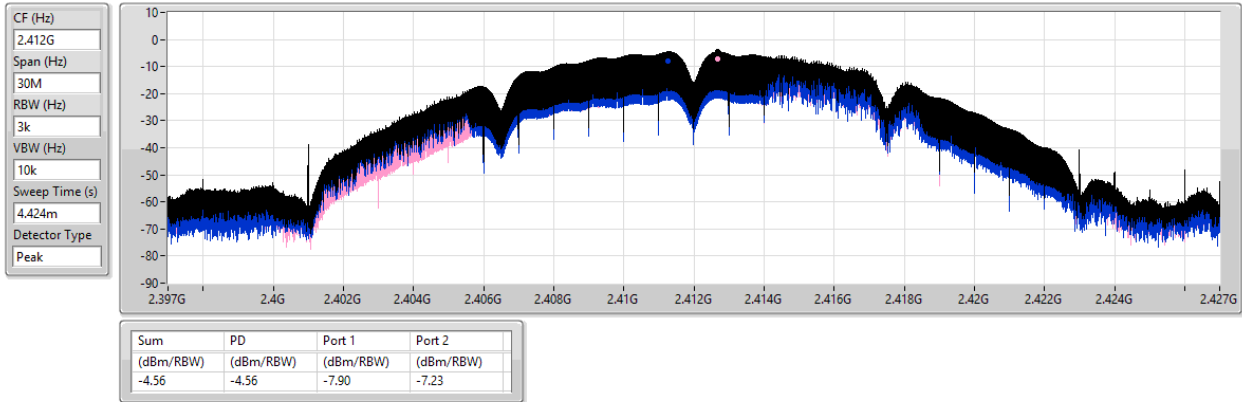
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

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

PSD

2412MHz

18/01/2024

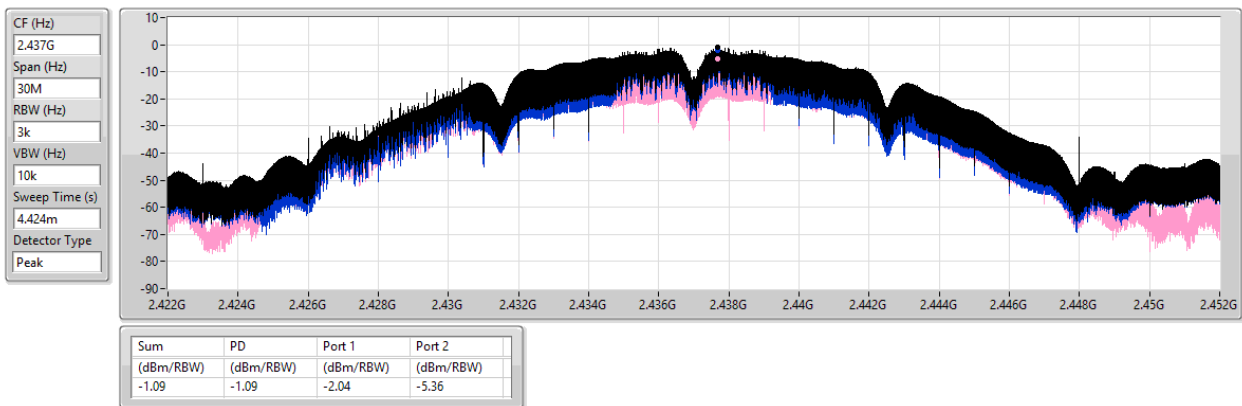


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

18/01/2024

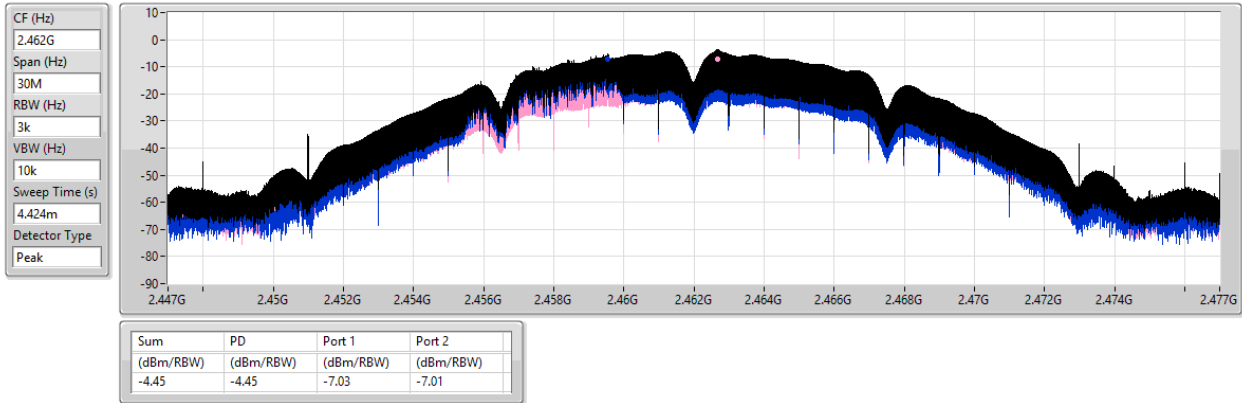


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

18/01/2024

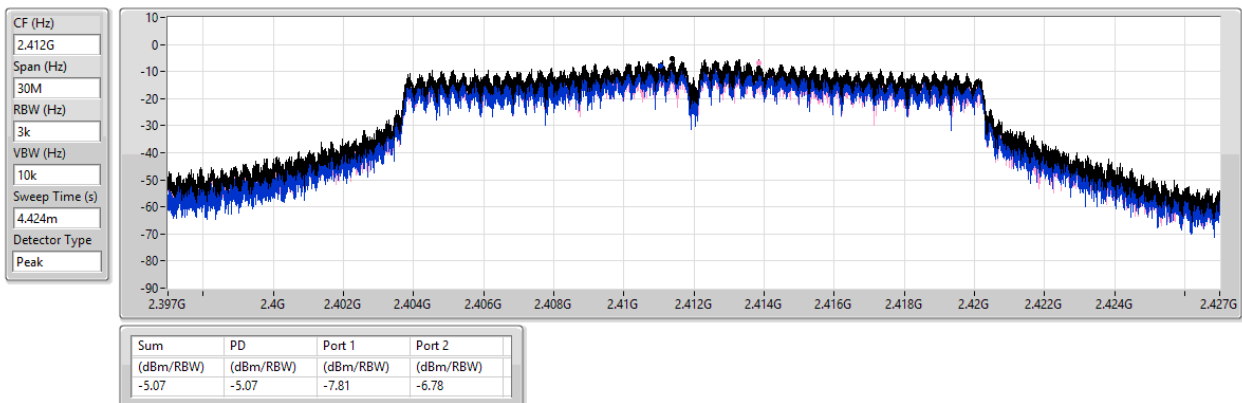


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

18/01/2024

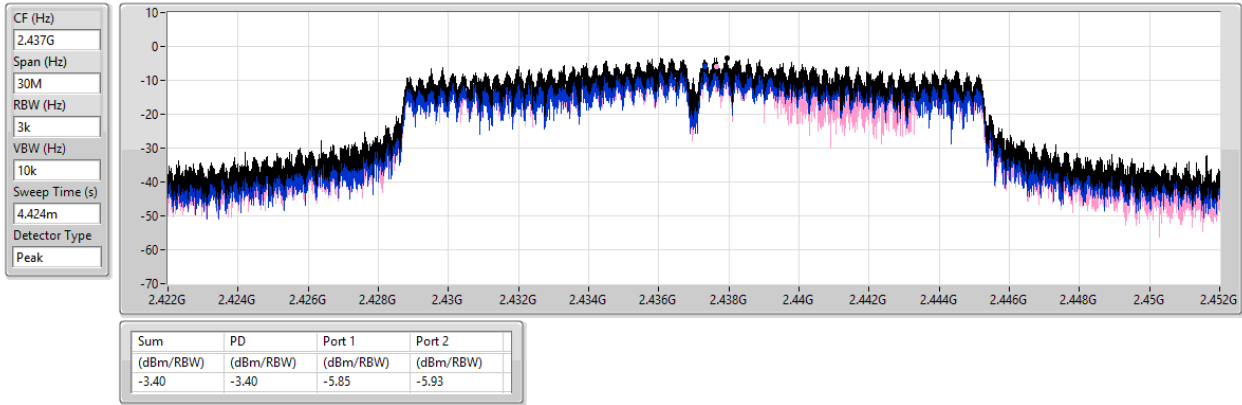


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

18/01/2024

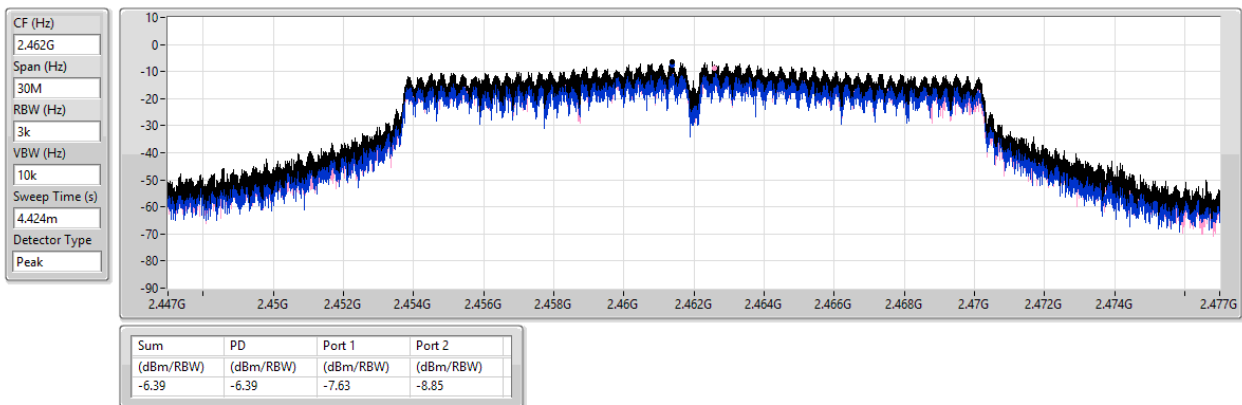


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

18/01/2024

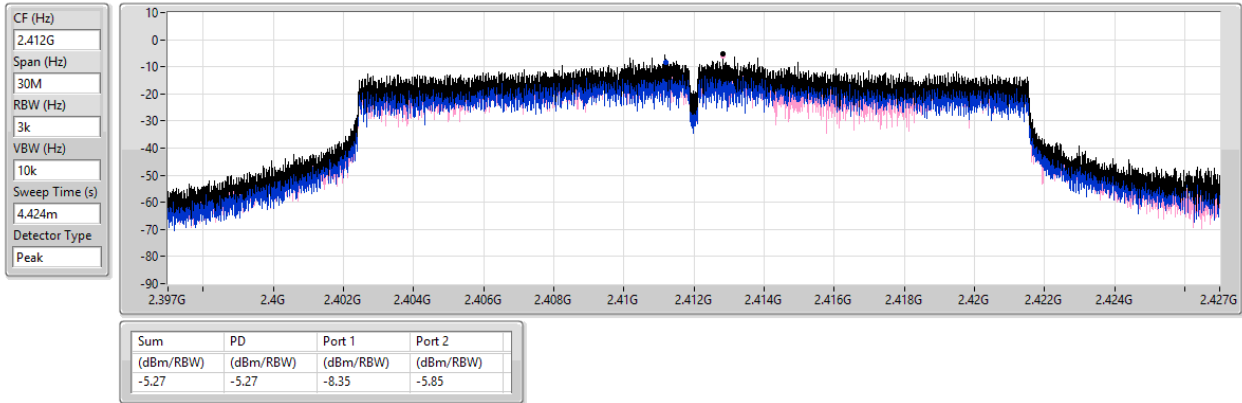


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

18/01/2024

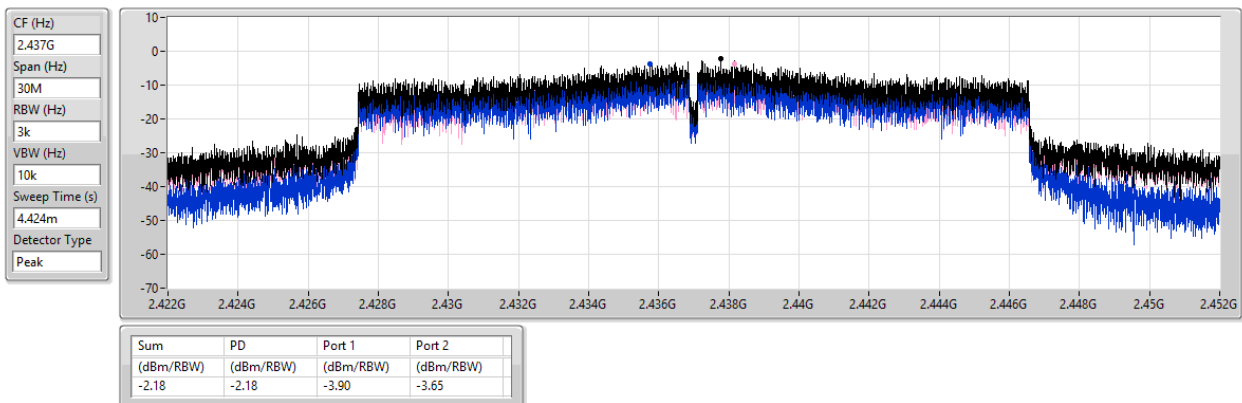


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

18/01/2024

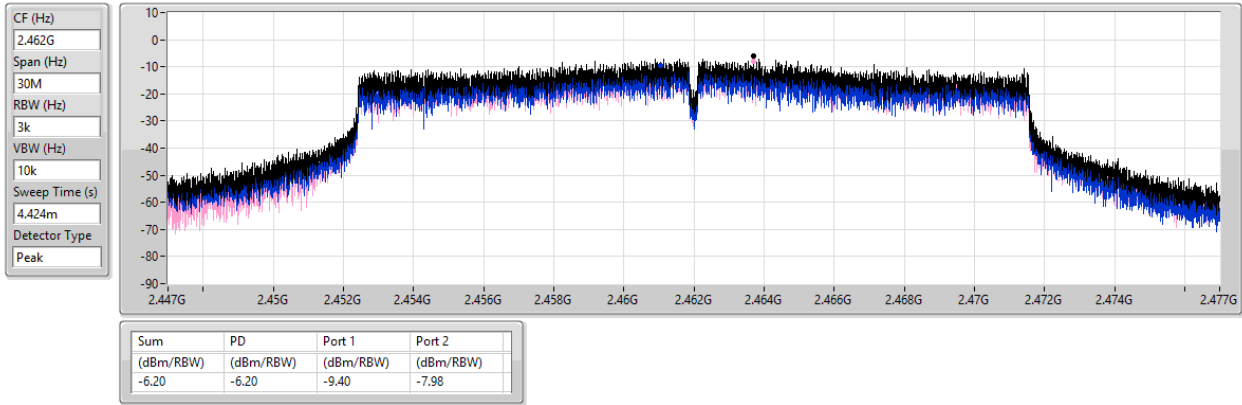


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

18/01/2024

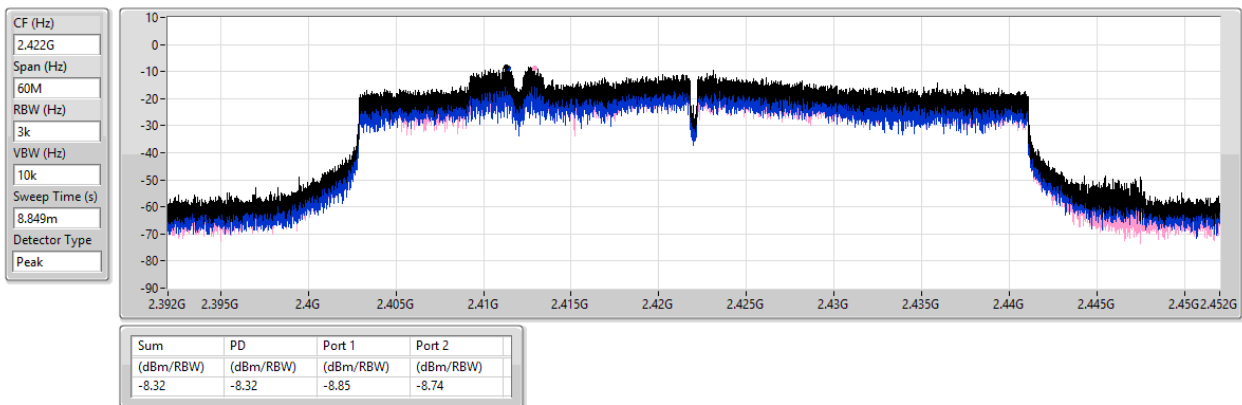


2.4-2.4835GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

18/01/2024

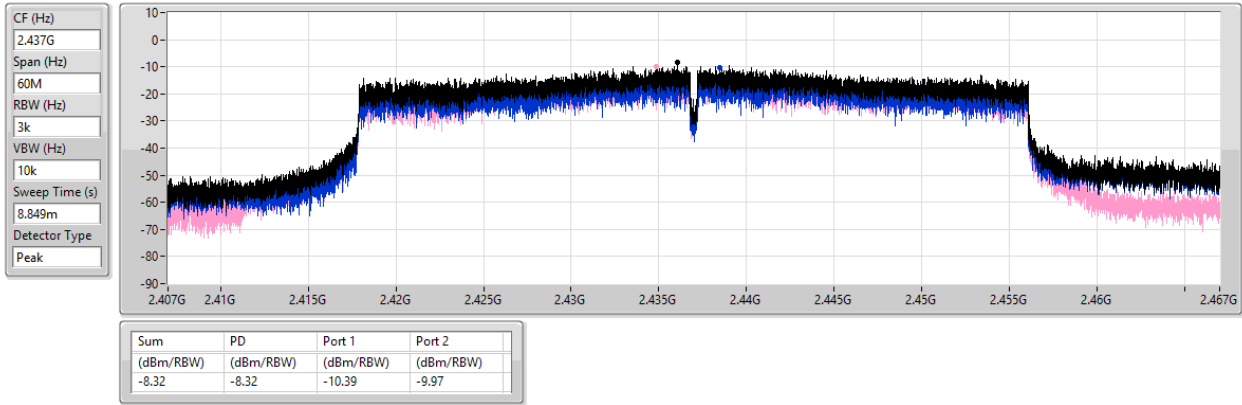


2.4-2.4835GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

18/01/2024

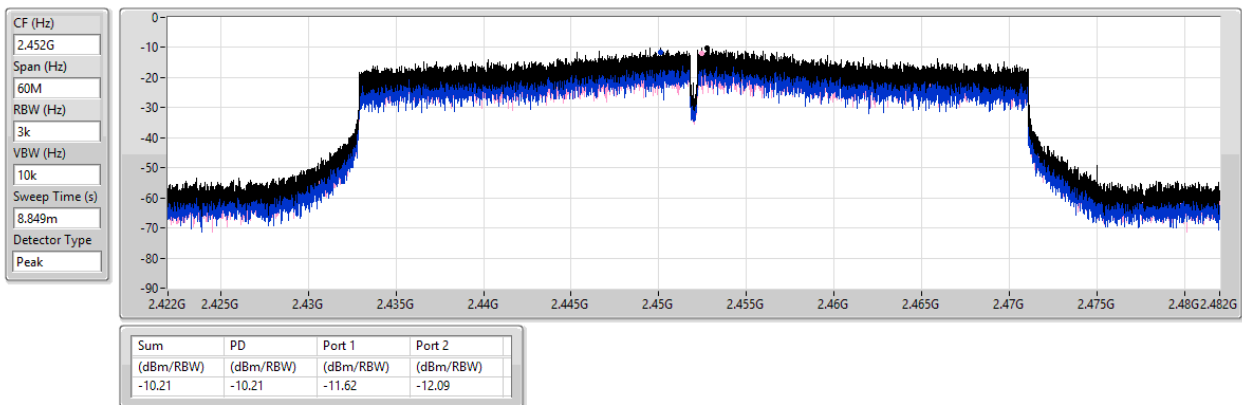


2.4-2.4835GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

18/01/2024





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	12.36	-17.64	1.72974G	-50.13	2.398G	-37.06	2.4G	-40.07	2.51566G	-47.87	21.42062G	-44.17	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	11.44	-18.56	1.76003G	-51.01	2.39928G	-30.03	2.4G	-27.24	2.51406G	-47.67	21.71562G	-44.08	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43824G	7.71	-22.29	2.16545G	-50.73	2.39976G	-33.21	2.4G	-30.54	2.5047G	-48.27	21.63695G	-44.63	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.42605G	7.25	-22.75	48.32M	-49.99	2.39952G	-36.53	2.4G	-35.97	2.51182G	-49.76	21.59246G	-43.22	2

Result

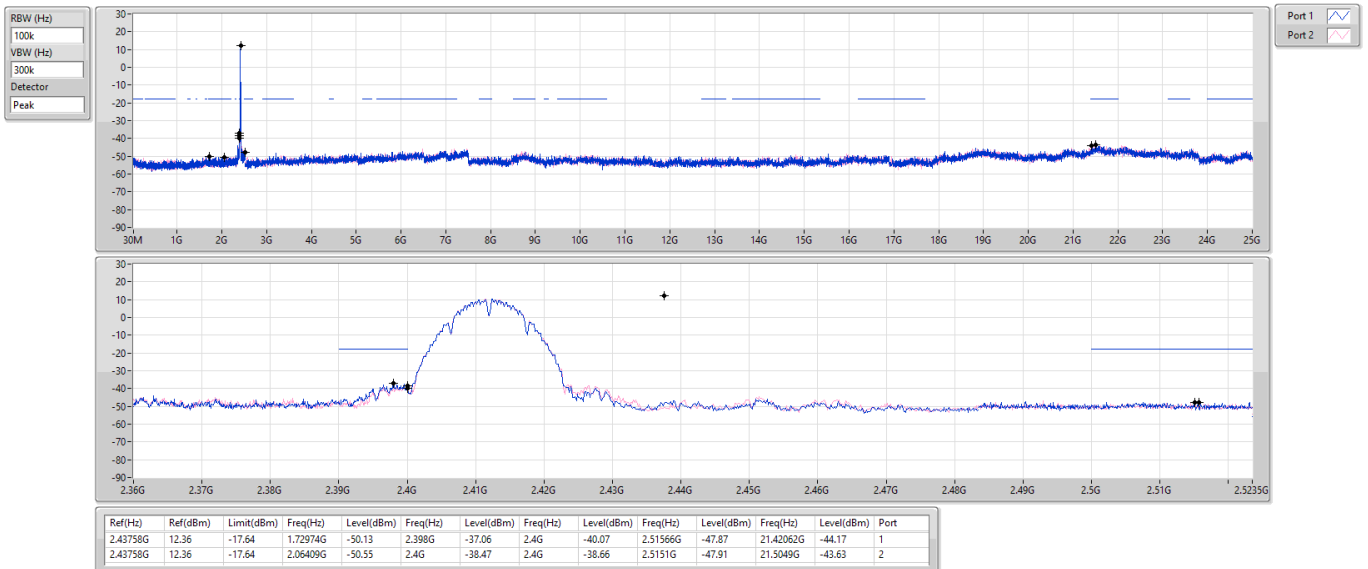
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43758G	12.36	-17.64	1.72974G	-50.13	2.398G	-37.06	2.4G	-40.07	2.51566G	-47.87	21.42062G	-44.17	1
2412MHz	Pass	2.43758G	12.36	-17.64	2.06409G	-50.55	2.4G	-38.47	2.4G	-38.66	2.5151G	-47.91	21.5049G	-43.63	2
2437MHz	Pass	2.43758G	12.36	-17.64	2.03031G	-50.38	2.39752G	-43.06	2.4G	-49.77	2.50894G	-46.43	21.61448G	-44.11	1
2437MHz	Pass	2.43758G	12.36	-17.64	1.85206G	-50.11	2.3976G	-45.90	2.4G	-48.05	2.50966G	-45.94	21.51333G	-44.37	2
2462MHz	Pass	2.43758G	12.36	-17.64	2.17011G	-50.95	2.39376G	-47.29	2.4G	-51.76	2.50974G	-44.53	21.40657G	-43.68	1
2462MHz	Pass	2.43758G	12.36	-17.64	1.79614G	-49.51	2.39896G	-47.93	2.4G	-51.54	2.51262G	-45.74	21.61729G	-42.62	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	11.44	-18.56	2.04429G	-50.57	2.39992G	-31.03	2.4G	-30.36	2.5043G	-47.21	21.45995G	-44.16	1
2412MHz	Pass	2.43574G	11.44	-18.56	1.76003G	-51.01	2.39928G	-30.03	2.4G	-27.24	2.51406G	-47.67	21.71562G	-44.08	2
2437MHz	Pass	2.43574G	11.44	-18.56	1.83692G	-49.35	2.39928G	-41.76	2.4G	-44.46	2.50166G	-46.87	21.51895G	-44.71	1
2437MHz	Pass	2.43574G	11.44	-18.56	2.15729G	-50.92	2.39792G	-42.74	2.4G	-44.38	2.50046G	-47.15	21.474G	-43.57	2
2462MHz	Pass	2.43574G	11.44	-18.56	2.03497G	-49.82	2.39296G	-47.40	2.4G	-50.99	2.50286G	-44.40	21.53019G	-44.83	1
2462MHz	Pass	2.43574G	11.44	-18.56	1.99885G	-50.31	2.39712G	-48.20	2.4G	-50.60	2.50038G	-46.73	21.474G	-43.67	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	7.71	-22.29	2.30292G	-49.88	2.39376G	-30.96	2.4G	-31.87	2.5035G	-47.96	21.69034G	-44.15	1
2412MHz	Pass	2.43824G	7.71	-22.29	2.16545G	-50.73	2.39976G	-33.21	2.4G	-30.54	2.5047G	-48.27	21.63695G	-44.63	2
2437MHz	Pass	2.43824G	7.71	-22.29	53.3M	-50.84	2.39376G	-43.92	2.4G	-49.11	2.52342G	-47.91	21.89543G	-44.04	1
2437MHz	Pass	2.43824G	7.71	-22.29	1.8474G	-50.44	2.39528G	-47.02	2.4G	-51.47	2.51438G	-47.57	21.52457G	-43.40	2
2462MHz	Pass	2.43824G	7.71	-22.29	2.18409G	-50.49	2.39352G	-47.68	2.4G	-51.37	2.50054G	-45.13	21.55829G	-44.05	1
2462MHz	Pass	2.43824G	7.71	-22.29	41.65M	-49.49	2.39208G	-48.62	2.4G	-49.68	2.50934G	-46.86	21.54424G	-43.42	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42605G	7.25	-22.75	2.11161G	-50.82	2.39952G	-36.05	2.4G	-39.03	2.52286G	-48.84	21.48588G	-43.38	1
2422MHz	Pass	2.42605G	7.25	-22.75	48.32M	-49.99	2.39952G	-36.53	2.4G	-35.97	2.51182G	-49.76	21.59246G	-43.22	2
2437MHz	Pass	2.42605G	7.25	-22.75	65.5M	-50.56	2.39968G	-36.42	2.4G	-41.55	2.5035G	-42.01	21.56161G	-43.20	1
2437MHz	Pass	2.42605G	7.25	-22.75	2.1952G	-50.62	2.39968G	-36.04	2.4G	-41.82	2.50078G	-49.17	21.63172G	-44.01	2
2452MHz	Pass	2.42605G	7.25	-22.75	2.18375G	-50.28	2.3928G	-48.84	2.4G	-49.48	2.5019G	-46.63	21.58404G	-43.16	1
2452MHz	Pass	2.42605G	7.25	-22.75	2.30626G	-50.85	2.3984G	-48.90	2.4G	-49.65	2.50174G	-47.71	21.56722G	-43.56	2

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

CSEndB

2412MHz

24/01/2024

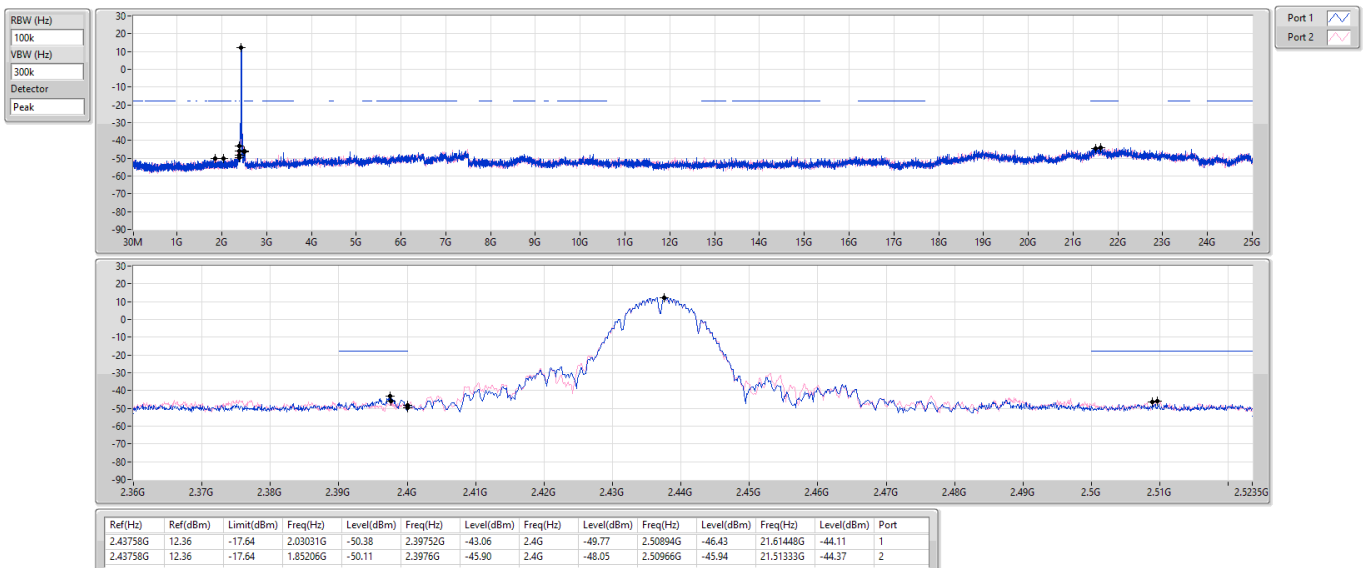


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

CSEndB

2437MHz

24/01/2024

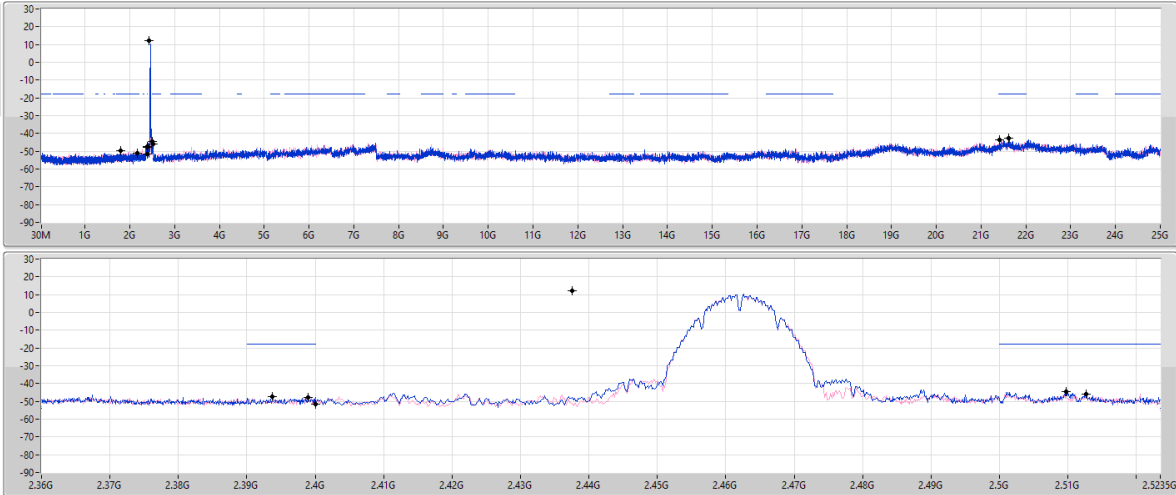


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

CSEndB

2462MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

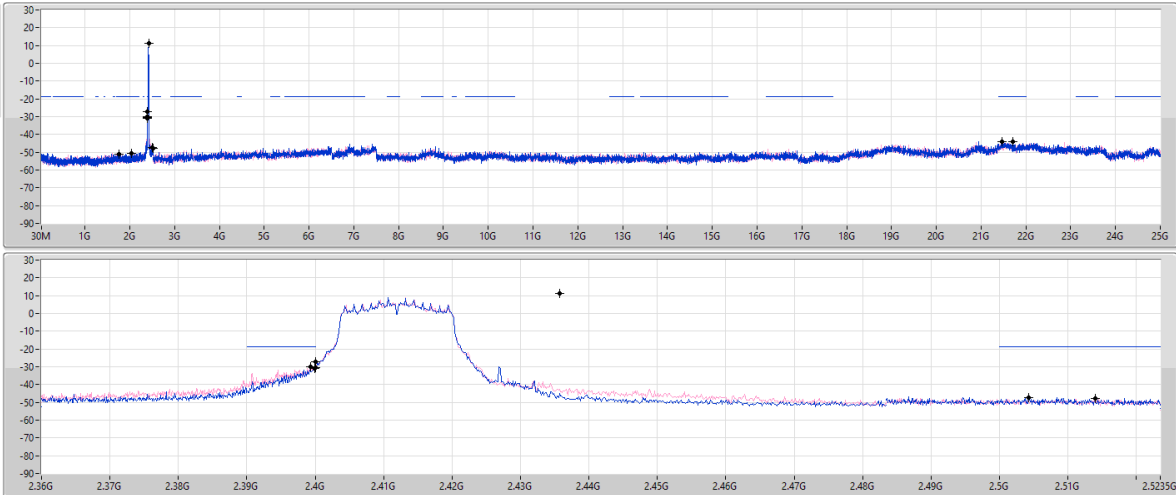


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSEndB

2412MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

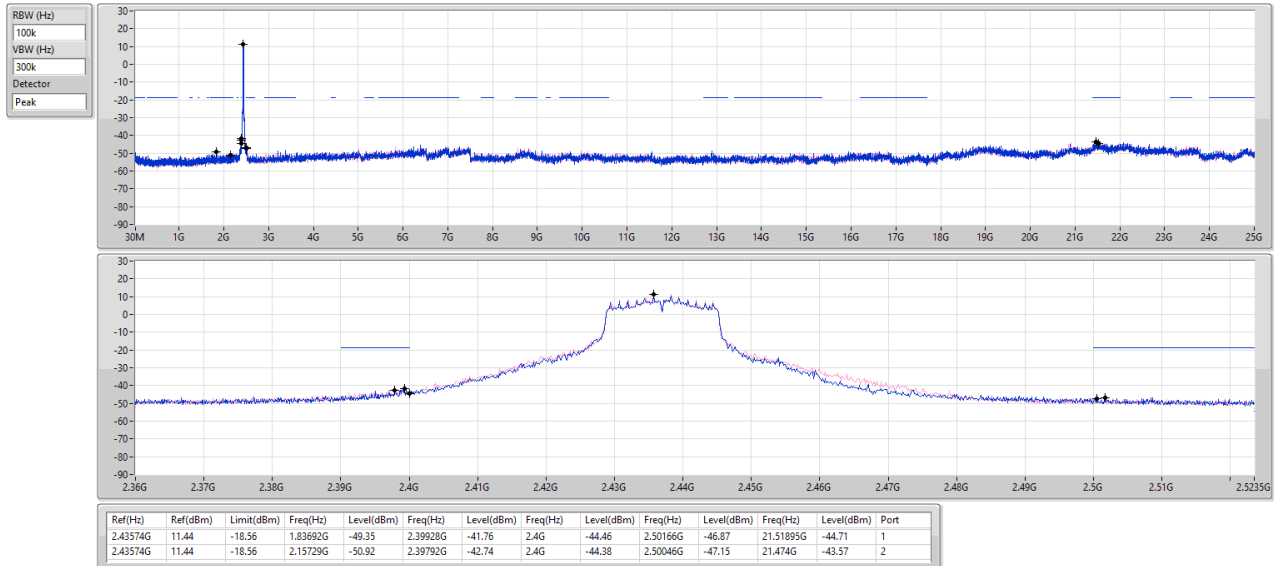


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSEndB

2437MHz

24/01/2024

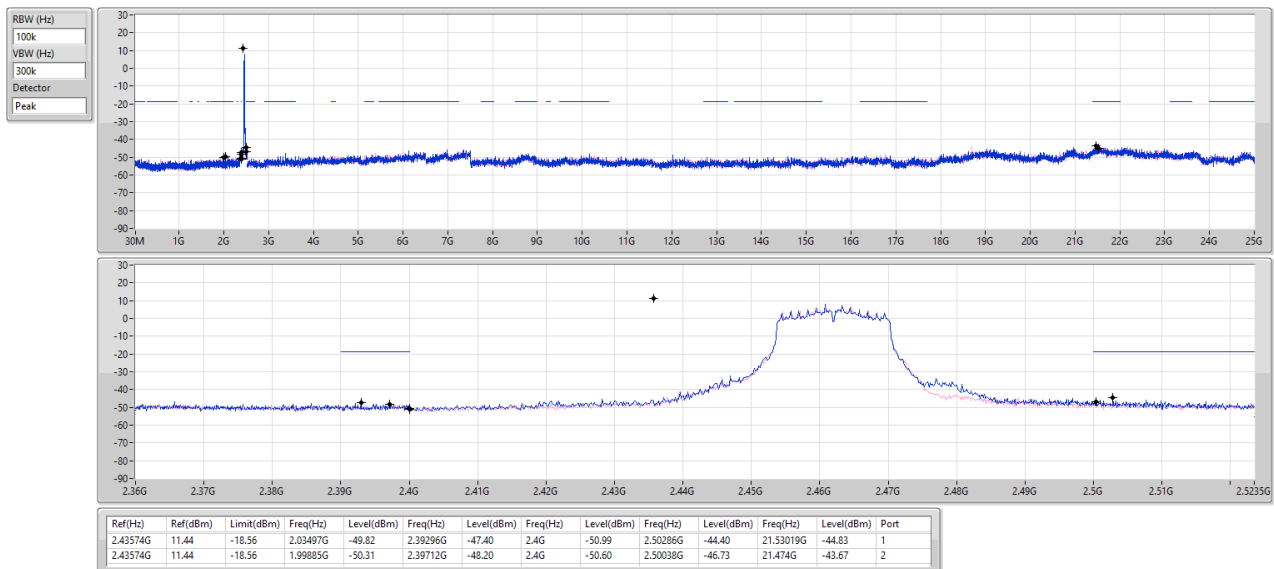


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSEndB

2462MHz

24/01/2024

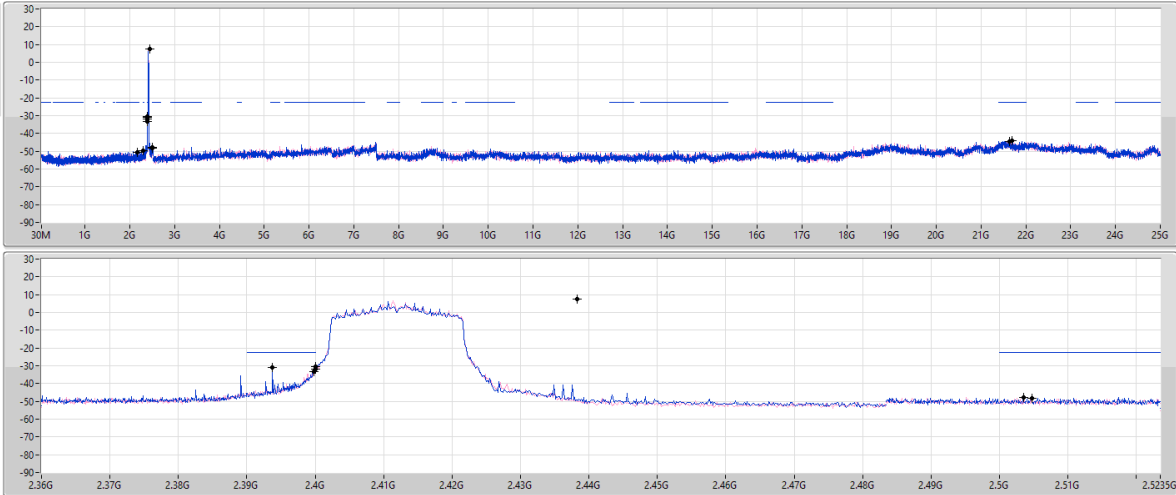


2.4-2.4835GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSEndB

2412MHz

24/01/2024

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2

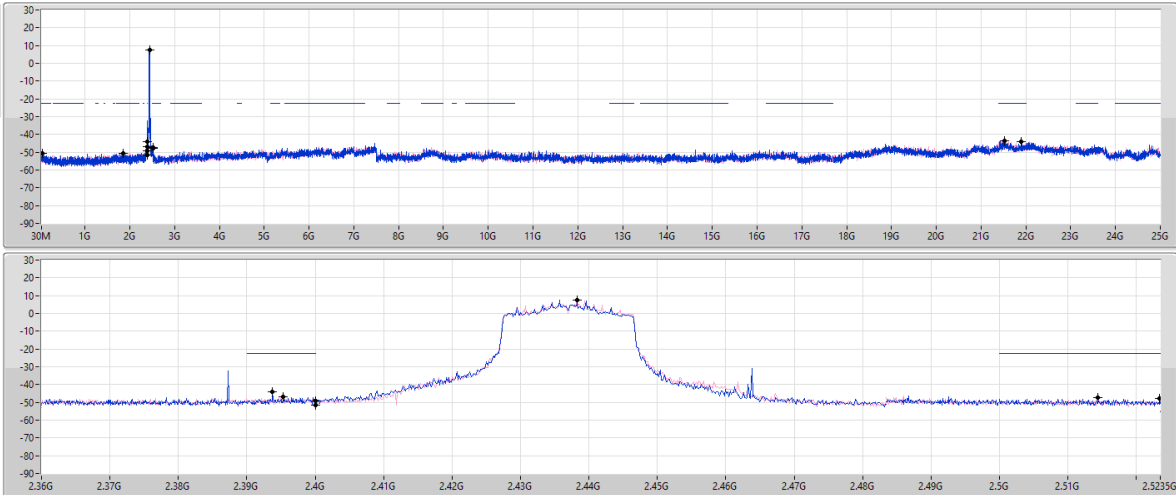
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	7.71	-22.29	2.30292G	-49.88	2.39376G	-30.96	2.4G	-31.87	2.5035G	-47.96	21.69034G	-44.15	1
2.43824G	7.71	-22.29	2.16545G	-50.73	2.39976G	-33.21	2.4G	-30.54	2.5047G	-48.27	21.63695G	-44.63	2

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

CSEndB

2437MHz

24/01/2024

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2

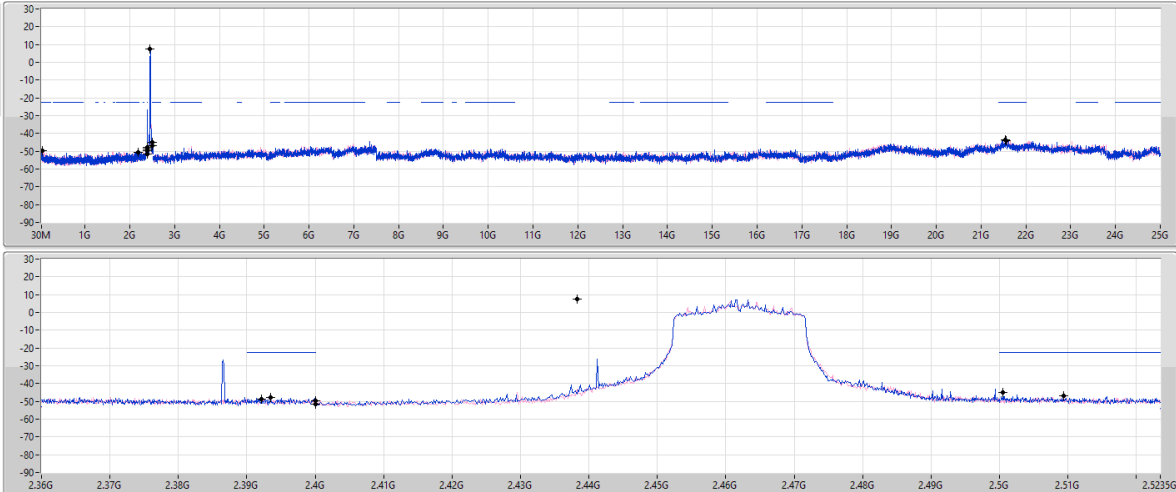
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	7.71	-22.29	53.3M	-50.84	2.39376G	-43.92	2.4G	-49.11	2.52342G	-47.91	21.89543G	-44.04	1
2.43824G	7.71	-22.29	1.8474G	-50.44	2.39528G	-47.02	2.4G	-51.47	2.51438G	-47.57	21.52457G	-43.40	2

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

CSEndB

2462MHz

24/01/2024

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2

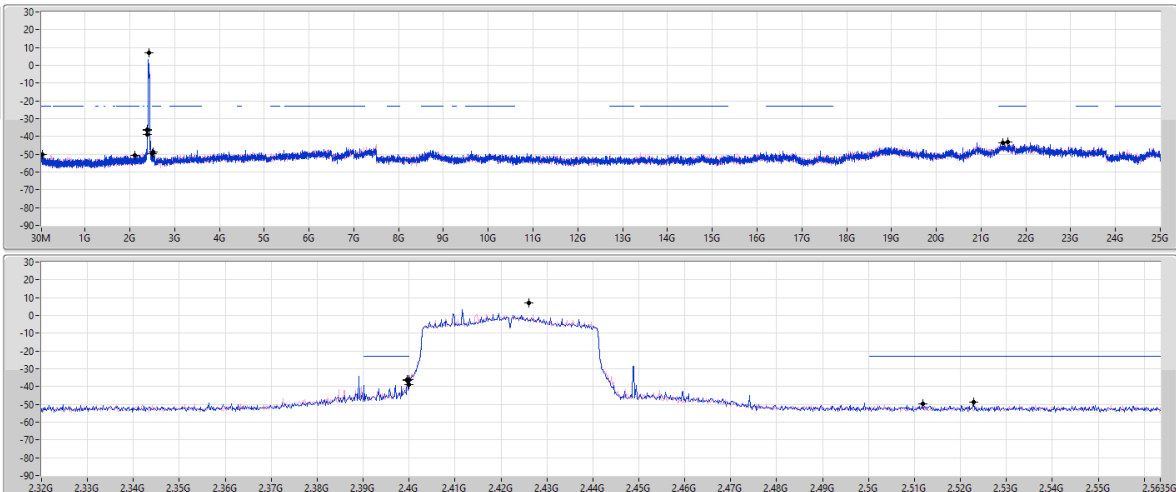
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	7.71	-22.29	2.18409G	-50.49	2.39352G	-47.68	2.4G	-51.37	2.50054G	-45.13	2.155829G	-44.05	1
2.43824G	7.71	-22.29	41.65M	-49.49	2.39208G	-48.62	2.4G	-49.68	2.50934G	-46.86	2.154424G	-43.42	2

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

CSEndB

2422MHz

24/01/2024

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2

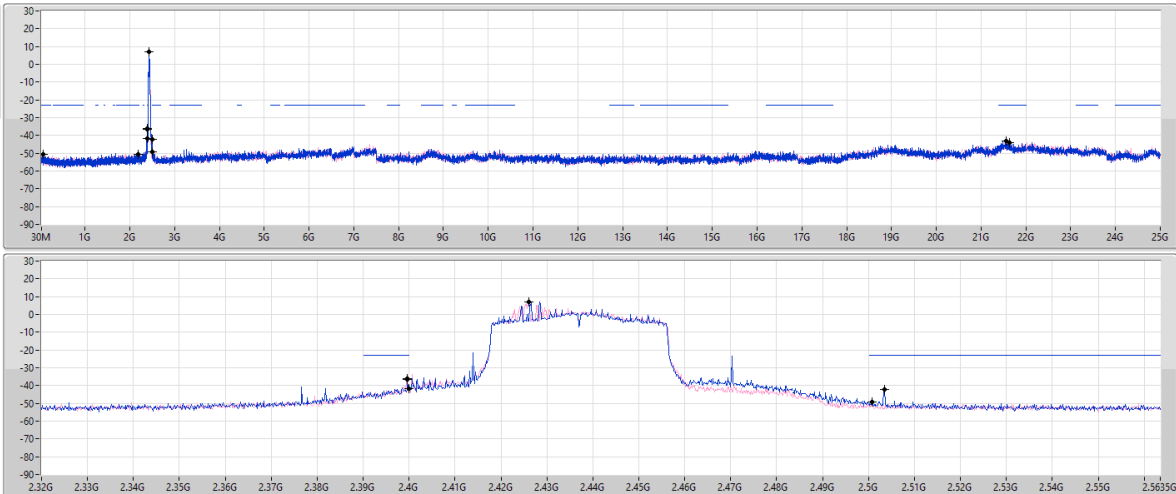
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42605G	7.25	-22.75	2.11161G	-50.82	2.39952G	-36.05	2.4G	-39.03	2.52286G	-48.84	2.148588G	-43.38	1
2.42605G	7.25	-22.75	48.32M	-49.99	2.39952G	-36.53	2.4G	-35.97	2.51182G	-49.76	2.159246G	-43.22	2

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

CSEndB

2437MHz

24/01/2024

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2

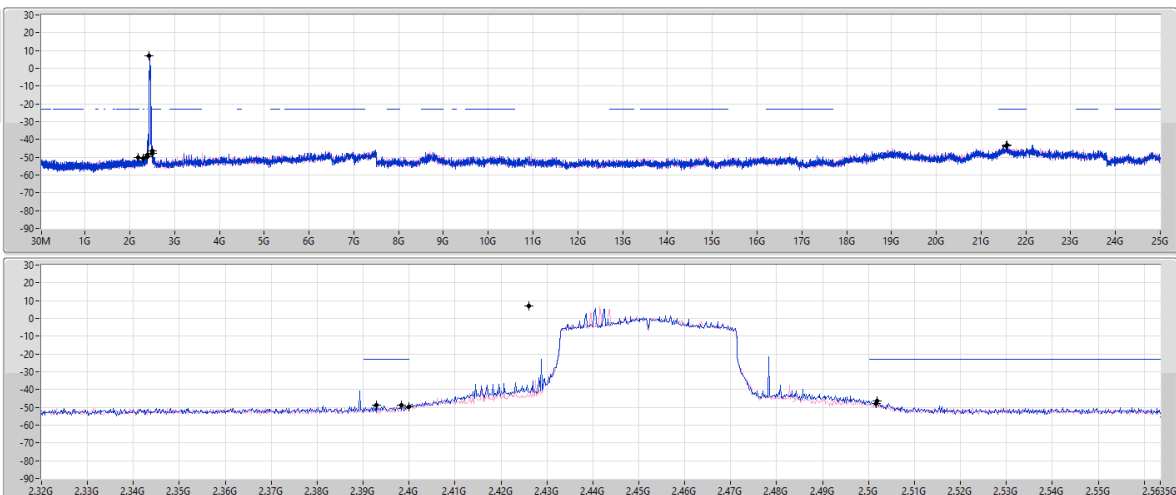
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42605G	7.25	-22.75	65.5M	-50.56	2.39968G	-36.42	2.4G	-41.55	2.5035G	-42.01	21.56161G	-43.20	1
2.42605G	7.25	-22.75	2.1952G	-50.62	2.39968G	-36.04	2.4G	-41.82	2.50078G	-49.17	21.63172G	-44.01	2

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

CSEndB

2452MHz

24/01/2024

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 1
Port 2

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
2.42605G	7.25	-22.75	2.18375G	-50.28	2.3928G	-48.84	2.4G	-49.48	2.5019G	-46.63	21.58404G	-43.16	1
2.42605G	7.25	-22.75	2.30626G	-50.85	2.3984G	-48.90	2.4G	-49.65	2.50174G	-47.71	21.56722G	-43.56	2



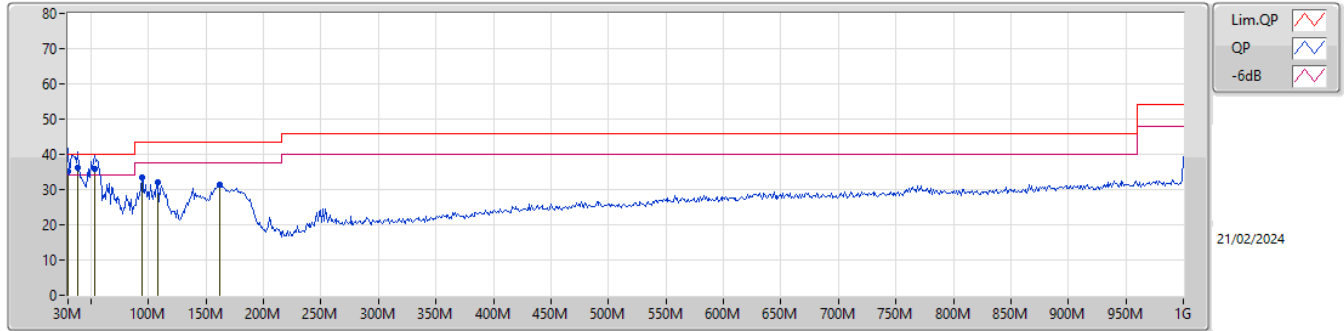
Radiated Emissions below 1GHz

Appendix F.1

Summary

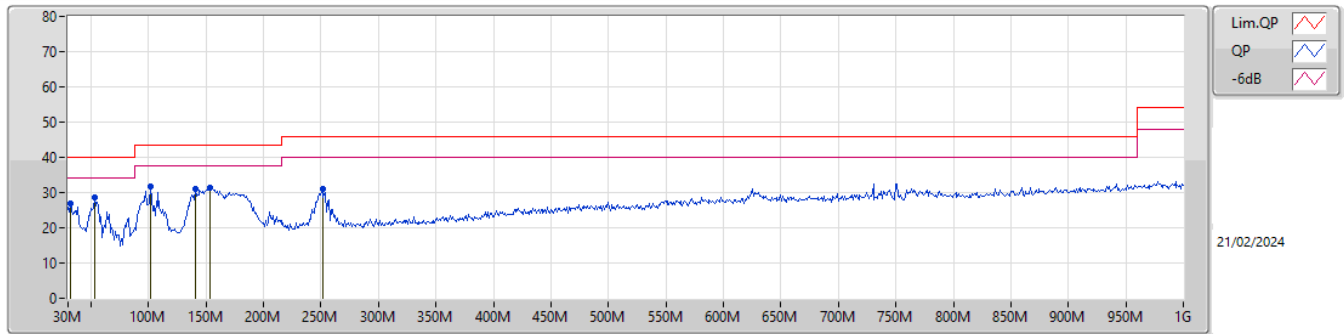
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 4	Pass	QP	38.73M	36.12	40.00	-3.88	Vertical

Mode 4



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	30M	35.14	40.00	-4.86	-6.67	3	Vertical	2	1.00	-	41.81	24.11	0.76	31.54		
QP	38.73M	36.12	40.00	-3.88	-11.17	3	Vertical	231	1.00	"Worst"	47.29	19.45	1.14	31.76		
QP	53.28M	35.75	40.00	-4.25	-17.43	3	Vertical	161	1.00	-	53.18	13.14	1.31	31.88		
PK	94.02M	33.39	43.50	-10.11	-14.47	3	Vertical	34	1.25	-	47.86	15.82	1.71	32.00		
PK	108.57M	32.21	43.50	-11.29	-12.40	3	Vertical	360	1.00	-	44.61	17.73	1.83	31.96		
PK	161.92M	31.51	43.50	-11.99	-13.93	3	Vertical	169	1.00	-	45.44	15.89	2.23	32.05		

Mode 4



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	31.94M	26.73	40.00	-13.27	-7.54	3	Horizontal	331	1.00	-	34.27	23.16	0.89	31.59		
PK	53.28M	28.79	40.00	-11.21	-17.43	3	Horizontal	68	3.00	"Worst"	46.22	13.14	1.31	31.88		
PK	101.78M	31.79	43.50	-11.71	-13.16	3	Horizontal	51	3.00	-	44.95	17.01	1.77	31.94		
PK	140.58M	30.93	43.50	-12.57	-12.81	3	Horizontal	240	2.00	-	43.74	17.09	2.07	31.97		
PK	153.19M	31.51	43.50	-11.99	-13.56	3	Horizontal	257	2.00	-	45.07	16.29	2.17	32.02		
PK	251.16M	31.16	46.00	-14.84	-10.82	3	Horizontal	88	1.00	-	41.98	18.38	2.84	32.04		

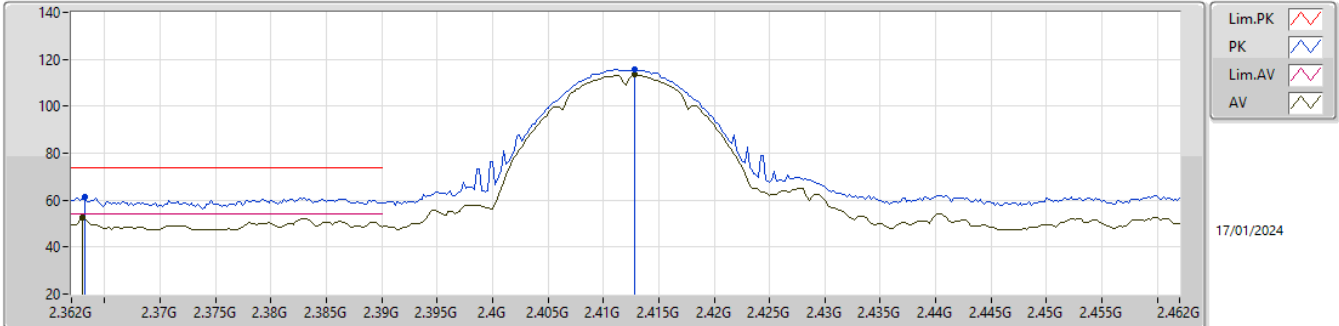


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.39G	52.88	54.00	-1.12	3	Vertical	228	1.13	-

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

2412MHz_TX

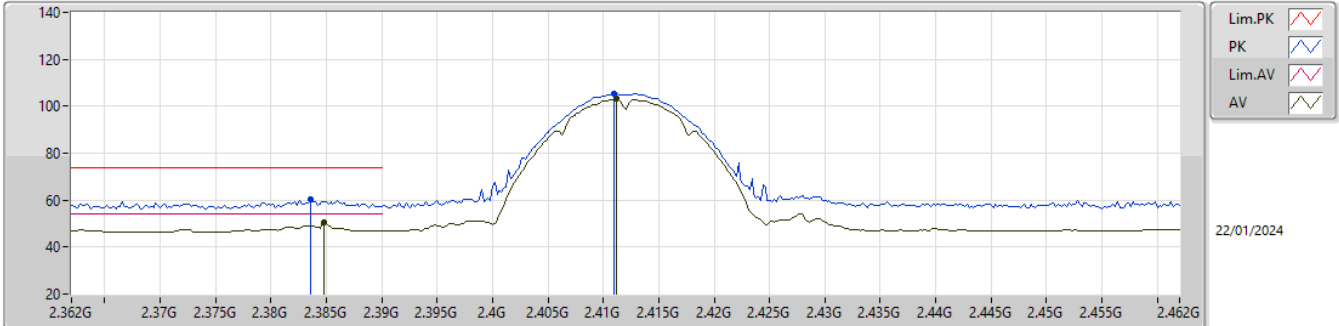


EUT_Z_2TX
Setting 20
03-R-M-2

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	2.3632G	61.51	74.00	-12.49	30.71	3	Vertical	32	1.17	-	27.25	3.55	-				
AV	2.363G	52.65	54.00	-1.35	21.85	3	Vertical	32	1.17	-	27.25	3.55	-				
PK	2.4128G	115.80	Inf	-Inf	84.78	3	Vertical	32	1.17	-	27.43	3.59	-				
AV	2.4128G	113.39	Inf	-Inf	82.37	3	Vertical	32	1.17	-	27.43	3.59	-				

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

2412MHz_TX

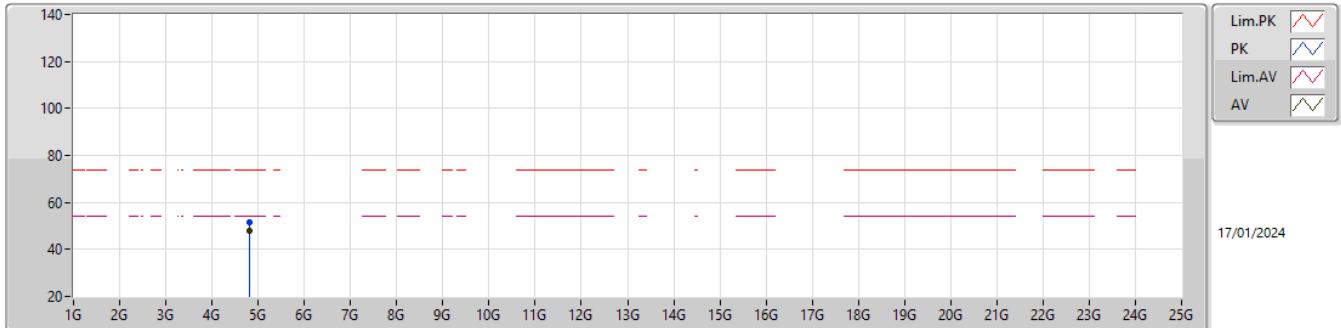


EUT_Z_2TX
Setting 20
03-R-P-5

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	2.3836G	60.38	74.00	-13.62	29.48	3	Horizontal	11	1.65	-	27.33	3.57	-			
AV	2.3848G	50.42	54.00	-3.58	19.51	3	Horizontal	11	1.65	-	27.34	3.57	-			
PK	2.411G	105.49	Inf	-Inf	74.48	3	Horizontal	11	1.65	-	27.42	3.59	-			
AV	2.4112G	103.08	Inf	-Inf	72.07	3	Horizontal	11	1.65	-	27.42	3.59	-			

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

2412MHz_TX

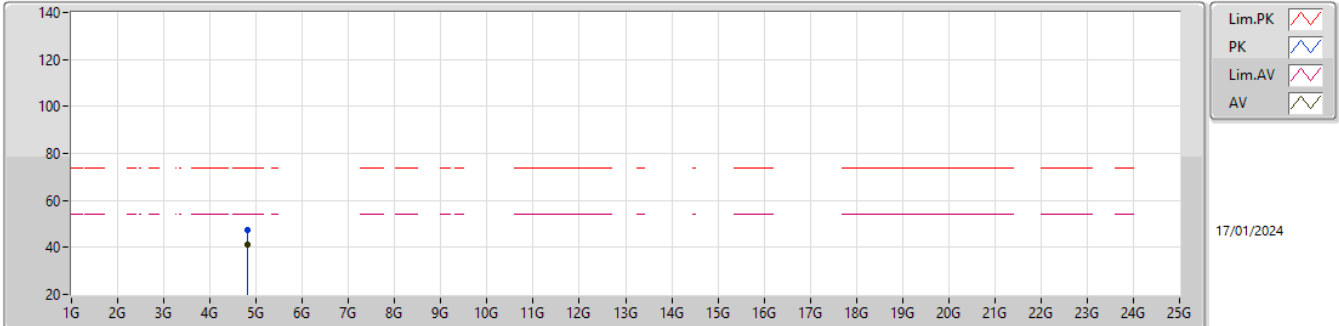


EUT_Z_2TX
Setting 20
03-R-M-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)				
PK	4.824G	51.60	74.00	-22.40	48.04	3	Vertical	190	3.00	-	32.24	6.01	34.69				
AV	4.82396G	47.91	54.00	-6.09	44.35	3	Vertical	190	3.00	-	32.24	6.01	34.69				

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

2412MHz_TX

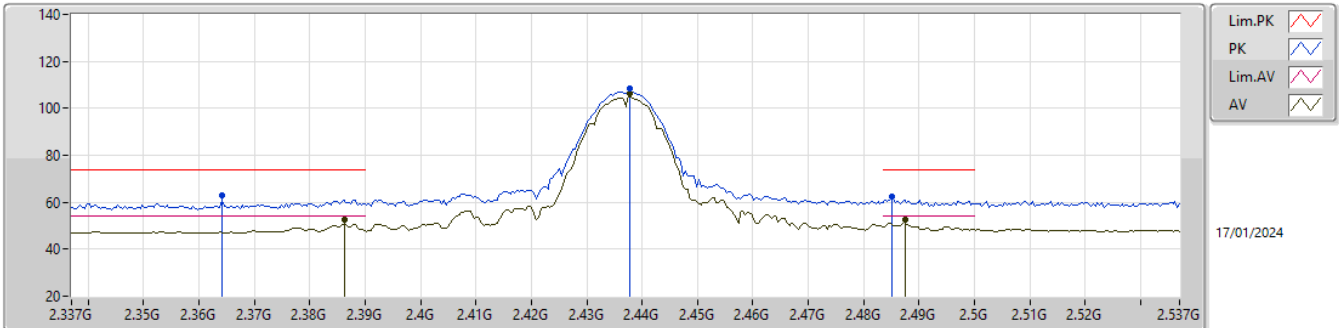


EUT_Z_2TX
Setting 20
03-R-M-2

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	4.8242G	47.38	74.00	-26.62	43.81	3	Horizontal	360	1.12	-	32.25	6.01	34.69			
AV	4.82396G	41.25	54.00	-12.75	37.69	3	Horizontal	360	1.12	-	32.24	6.01	34.69			

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

2437MHz_TX

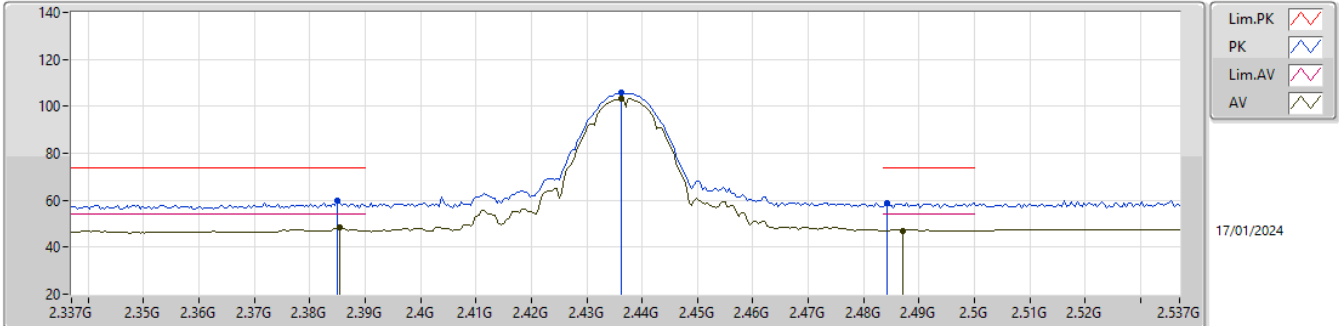


EUT_Z_2TX
Setting 22.5
03-R-M-2

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	2.3642G	62.81	74.00	-11.19	32.00	3	Vertical	174	1.77	-	27.26	3.55	-			
AV	2.3862G	52.61	54.00	-1.39	21.70	3	Vertical	174	1.77	-	27.34	3.57	-			
PK	2.4378G	108.60	Inf	-Inf	77.51	3	Vertical	174	1.77	-	27.48	3.61	-			
AV	2.4378G	106.18	Inf	-Inf	75.09	3	Vertical	174	1.77	-	27.48	3.61	-			
PK	2.485G	62.54	74.00	-11.46	31.19	3	Vertical	174	1.77	-	27.71	3.64	-			
AV	2.4874G	52.66	54.00	-1.34	21.29	3	Vertical	174	1.77	-	27.72	3.65	-			

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

2437MHz_TX

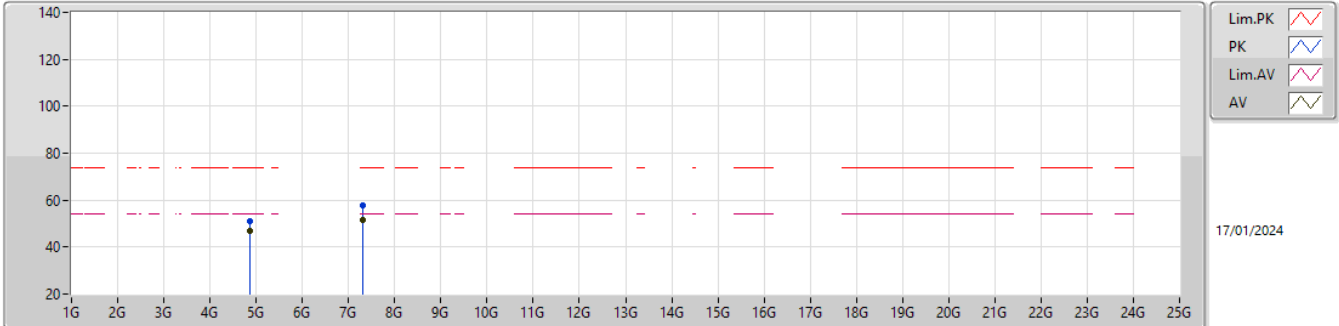


EUT_Z_2TX
Setting 22.5
03-R-P-5

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	2.385G	59.99	74.00	-14.01	29.08	3	Horizontal	11	2.80	-	27.34	3.57	-			
AV	2.3854G	48.38	54.00	-5.62	17.47	3	Horizontal	11	2.80	-	27.34	3.57	-			
PK	2.4362G	105.71	Inf	-Inf	74.63	3	Horizontal	11	2.80	-	27.47	3.61	-			
AV	2.4362G	103.26	Inf	-Inf	72.18	3	Horizontal	11	2.80	-	27.47	3.61	-			
PK	2.4842G	58.90	74.00	-15.10	27.55	3	Horizontal	11	2.80	-	27.71	3.64	-			
AV	2.487G	47.14	54.00	-6.86	15.77	3	Horizontal	11	2.80	-	27.72	3.65	-			

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

2437MHz_TX

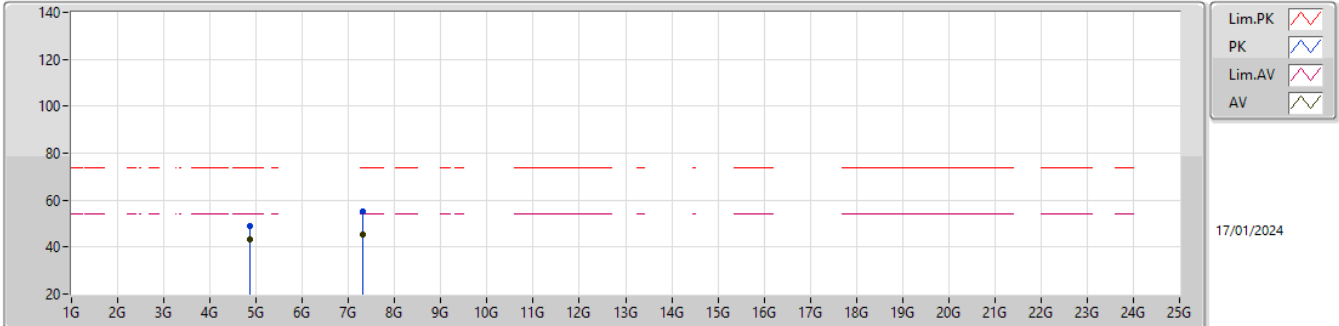


EUT_Z_2TX
Setting 22.5
03-R-M-2

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	50.85	74.00	-23.15	47.00	3	Vertical	196	1.03	-	32.50	6.08	34.73			
AV	4.874G	46.65	54.00	-7.35	42.80	3	Vertical	196	1.03	-	32.50	6.08	34.73			
PK	7.31052G	57.60	74.00	-16.40	48.56	3	Vertical	348	1.13	-	36.76	7.66	35.38			
AV	7.31172G	51.31	54.00	-2.69	42.28	3	Vertical	348	1.13	-	36.75	7.66	35.38			

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

2437MHz_TX

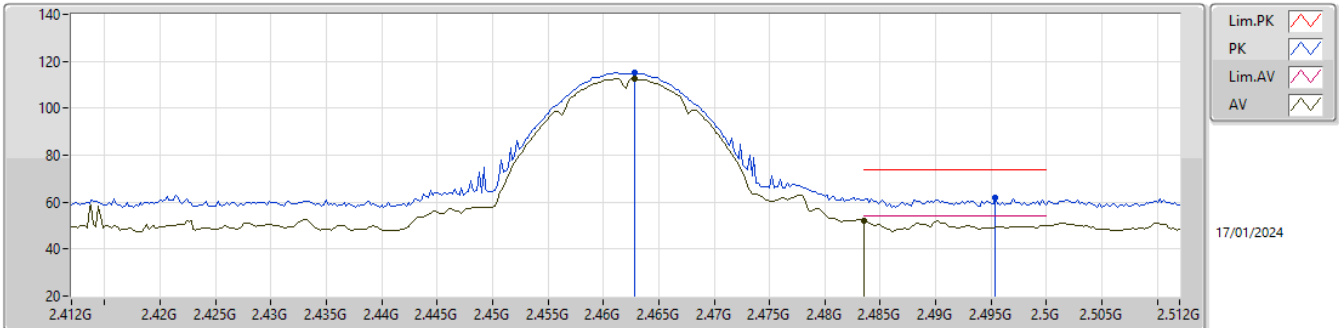


EUT_Z_2TX
Setting 22.5
03-R-M-2

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	49.13	74.00	-24.87	45.28	3	Horizontal	103	2.69	-	32.50	6.08	34.73			
AV	4.874G	43.42	54.00	-10.58	39.57	3	Horizontal	103	2.69	-	32.50	6.08	34.73			
PK	7.30926G	54.98	74.00	-19.02	45.94	3	Horizontal	246	1.05	-	36.76	7.66	35.38			
AV	7.31172G	45.14	54.00	-8.86	36.11	3	Horizontal	246	1.05	-	36.75	7.66	35.38			

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

2462MHz_TX

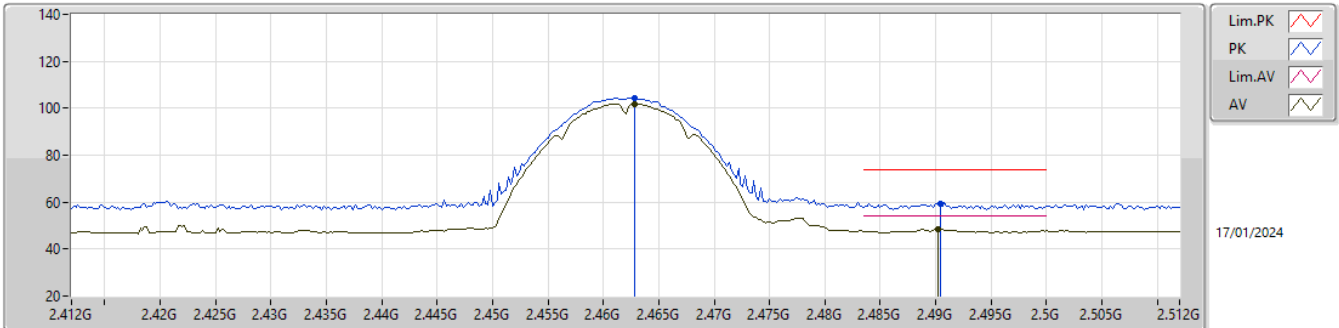


EUT_Z_2TX
Setting 20
03-R-M-2

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	2.4628G	115.01	Inf	-Inf	83.80	3	Vertical	101	1.21	-	27.58	3.63	-				
AV	2.4628G	112.65	Inf	-Inf	81.44	3	Vertical	101	1.21	-	27.58	3.63	-				
PK	2.4954G	61.99	74.00	-12.01	30.57	3	Vertical	101	1.21	-	27.77	3.65	-				
AV	2.4835G	52.20	54.00	-1.80	20.86	3	Vertical	101	1.21	-	27.70	3.64	-				

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

2462MHz_TX

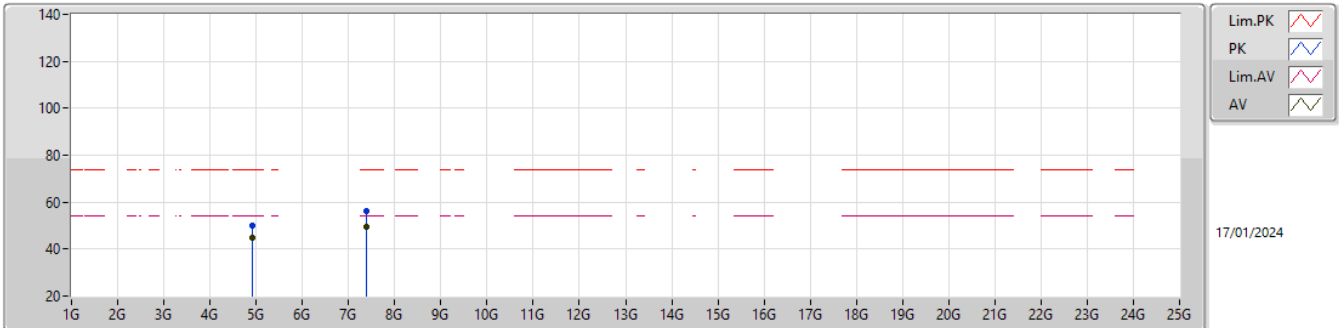


EUT_Z_2TX
Setting 20
03-R-P-5

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	2.4628G	104.38	Inf	-Inf	73.17	3	Horizontal	49	1.21	-	27.58	3.63	-				
AV	2.4628G	101.97	Inf	-Inf	70.76	3	Horizontal	49	1.21	-	27.58	3.63	-				
PK	2.4904G	59.36	74.00	-14.64	27.97	3	Horizontal	49	1.21	-	27.74	3.65	-				
AV	2.4902G	48.26	54.00	-5.74	16.87	3	Horizontal	49	1.21	-	27.74	3.65	-				

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

2462MHz_TX

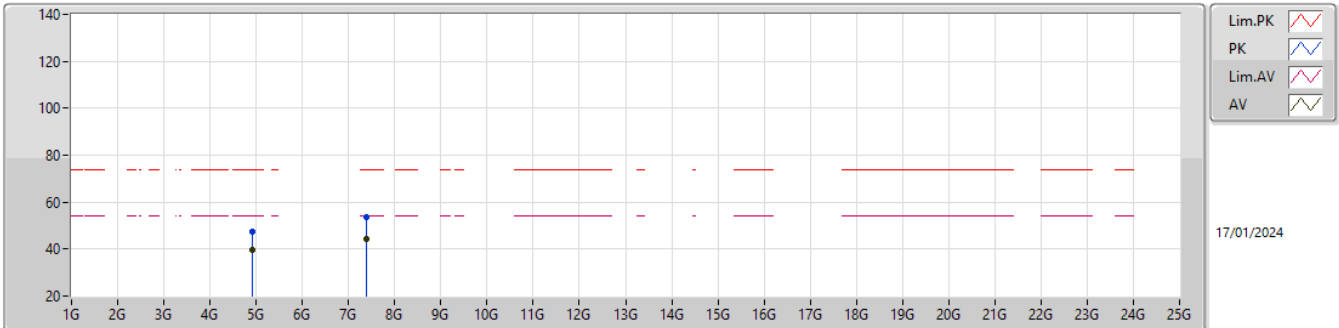


EUT_Z_2TX
Setting 20
03-R-M-2

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	4.924G	49.76	74.00	-24.24	45.63	3	Vertical	158	1.03	-	32.74	6.16	34.77			
AV	4.92396G	44.66	54.00	-9.34	40.53	3	Vertical	158	1.03	-	32.74	6.16	34.77			
PK	7.3872G	56.22	74.00	-17.78	47.66	3	Vertical	246	2.15	-	36.23	7.67	35.34			
AV	7.38668G	49.35	54.00	-4.65	40.79	3	Vertical	246	2.15	-	36.23	7.67	35.34			

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

2462MHz_TX

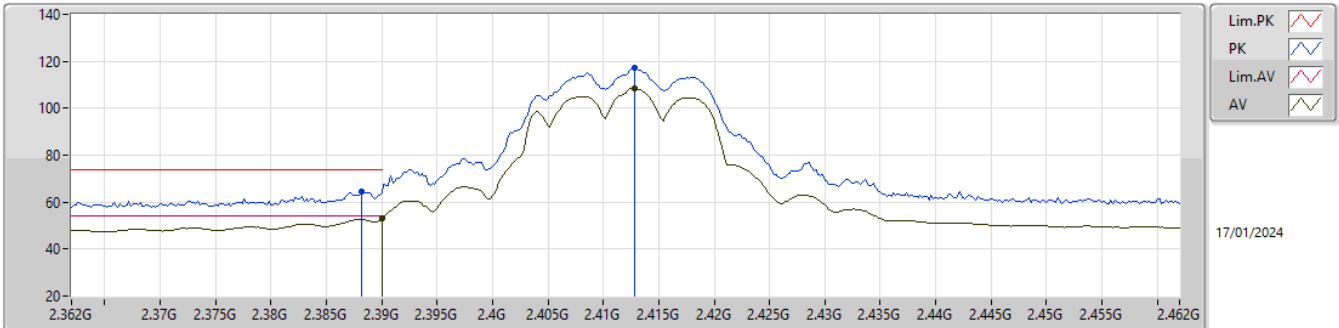


EUT_Z_2TX
Setting 20
03-R-M-2

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	4.924G	47.34	74.00	-26.66	43.21	3	Horizontal	275	2.71	-	32.74	6.16	34.77			
AV	4.92396G	39.88	54.00	-14.12	35.75	3	Horizontal	275	2.71	-	32.74	6.16	34.77			
PK	7.38748G	53.39	74.00	-20.61	44.83	3	Horizontal	166	2.26	-	36.23	7.67	35.34			
AV	7.38668G	44.24	54.00	-9.76	35.68	3	Horizontal	166	2.26	-	36.23	7.67	35.34			

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

2412MHz_TX

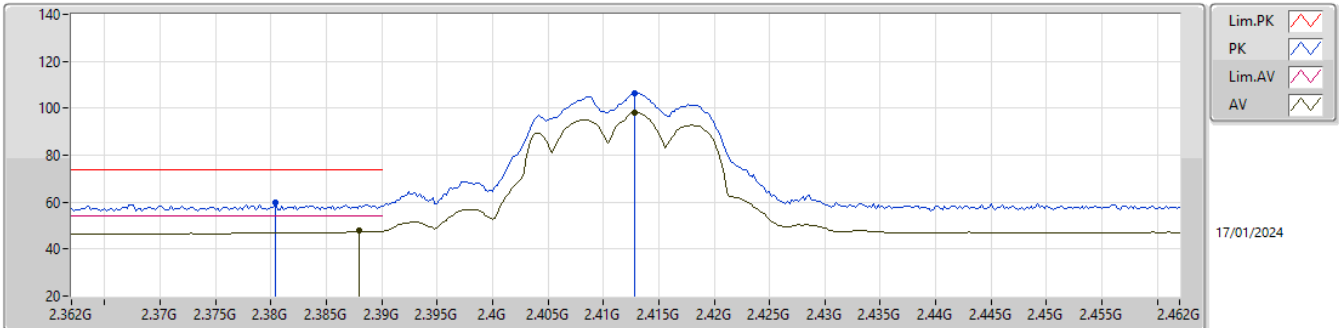


EUT_Z_2TX
Setting 18
03-R-P-5

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	64.32	74.00	-9.68	33.40	3	Vertical	228	1.13	-	27.35	3.57	-			
AV	2.39G	52.88	54.00	-1.12	21.95	3	Vertical	228	1.13	-	27.36	3.57	-			
PK	2.4128G	117.06	Inf	-Inf	86.04	3	Vertical	228	1.13	-	27.43	3.59	-			
AV	2.4128G	108.68	Inf	-Inf	77.66	3	Vertical	228	1.13	-	27.43	3.59	-			

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

2412MHz_TX

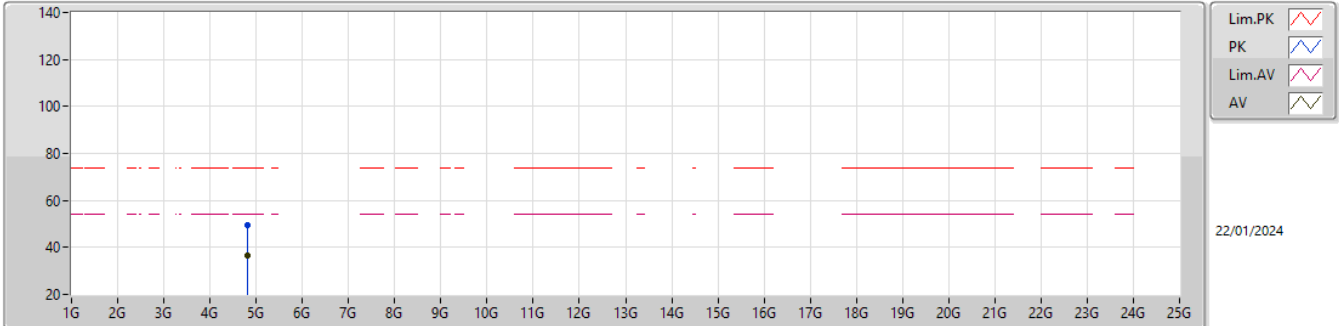


EUT_Z_2TX
Setting 18
03-R-P-5

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	2.3804G	59.57	74.00	-14.43	28.68	3	Horizontal	243	1.80	-	27.32	3.57	-				
AV	2.388G	47.85	54.00	-6.15	16.93	3	Horizontal	243	1.80	-	27.35	3.57	-				
PK	2.4128G	106.61	Inf	-Inf	75.59	3	Horizontal	243	1.80	-	27.43	3.59	-				
AV	2.4128G	98.12	Inf	-Inf	67.10	3	Horizontal	243	1.80	-	27.43	3.59	-				

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

2412MHz_TX

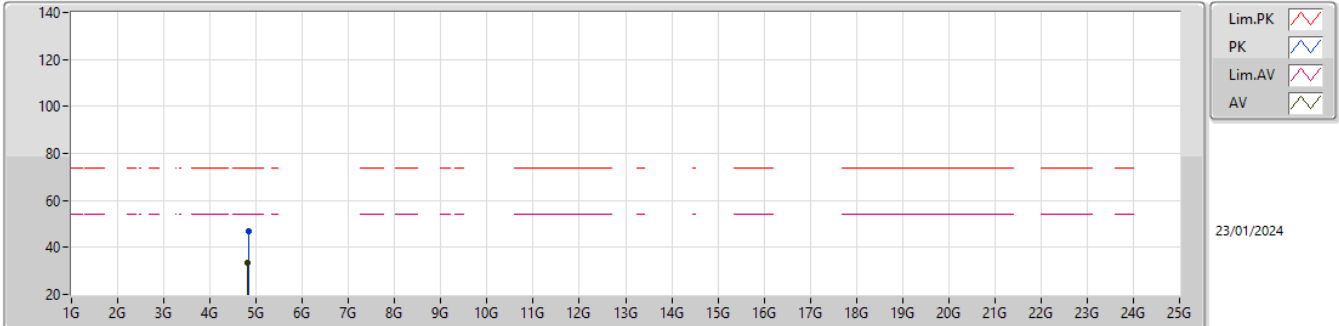


EUT_Z_2TX
Setting 18
05-E-G-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.82358G	49.52	74.00	-24.48	45.44	3	Vertical	174	1.01	-	32.54	7.15	35.61			
AV	4.824G	36.64	54.00	-17.36	32.56	3	Vertical	174	1.01	-	32.54	7.15	35.61			

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

2412MHz_TX

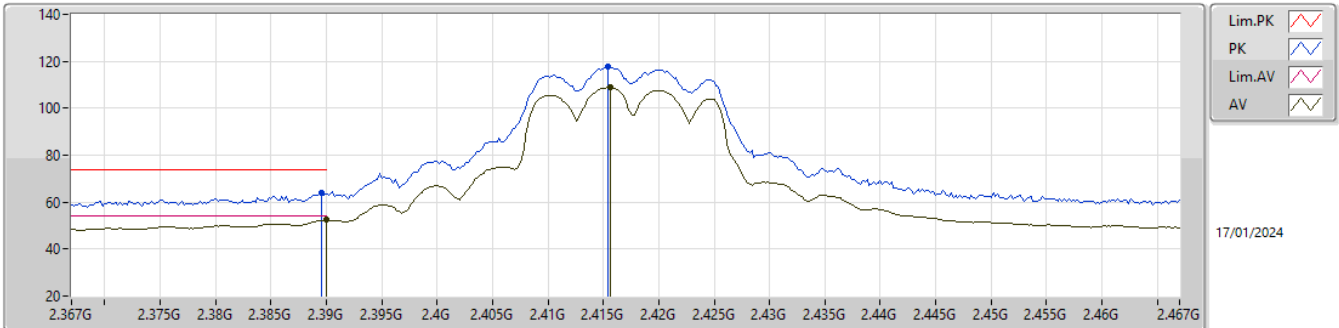


EUT_Z_2TX
Setting 18
05-E-G-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.82616G	46.91	74.00	-27.09	42.80	3	Horizontal	45	1.82	-	32.56	7.16	35.61			
AV	4.82244G	33.57	54.00	-20.43	29.50	3	Horizontal	45	1.82	-	32.53	7.15	35.61			

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

2417MHz_TX

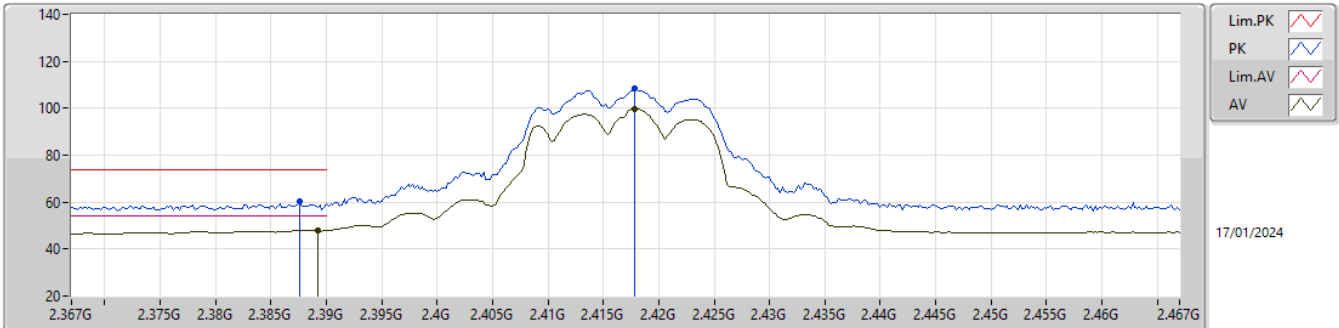


EUT_Z_2TX
Setting 18.5
03-R-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3896G	63.87	74.00	-10.13	32.94	3	Vertical	77	1.04	-	27.36	3.57	-			
AV	2.39G	52.57	54.00	-1.43	21.64	3	Vertical	77	1.04	-	27.36	3.57	-			
PK	2.4154G	117.77	Inf	-Inf	86.75	3	Vertical	77	1.04	-	27.43	3.59	-			
AV	2.4156G	108.89	Inf	-Inf	77.87	3	Vertical	77	1.04	-	27.43	3.59	-			

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

2417MHz_TX

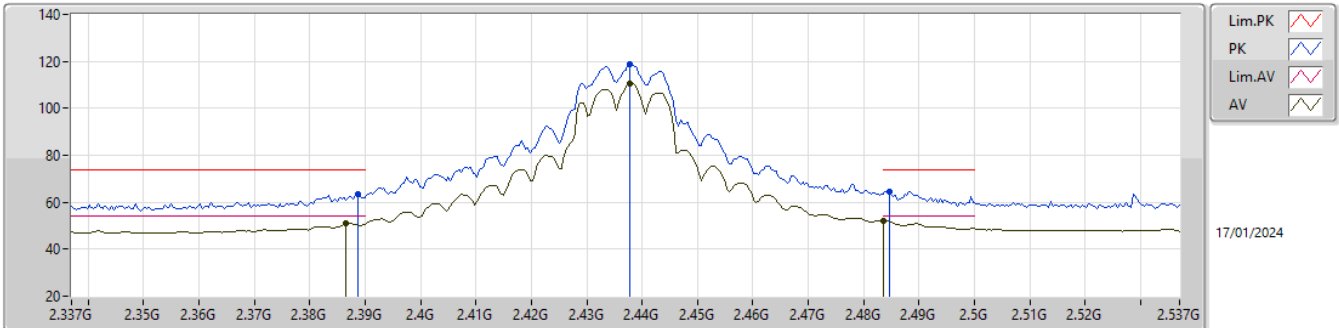


EUT_Z_2TX
Setting 18.5
03-R-P-5

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	2.3876G	60.12	74.00	-13.88	29.20	3	Horizontal	360	1.00	-	27.35	3.57	-			
AV	2.3892G	48.13	54.00	-5.87	17.20	3	Horizontal	360	1.00	-	27.36	3.57	-			
PK	2.4178G	108.21	Inf	-Inf	77.18	3	Horizontal	360	1.00	-	27.44	3.59	-			
AV	2.4178G	99.80	Inf	-Inf	68.77	3	Horizontal	360	1.00	-	27.44	3.59	-			

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

2437MHz_TX

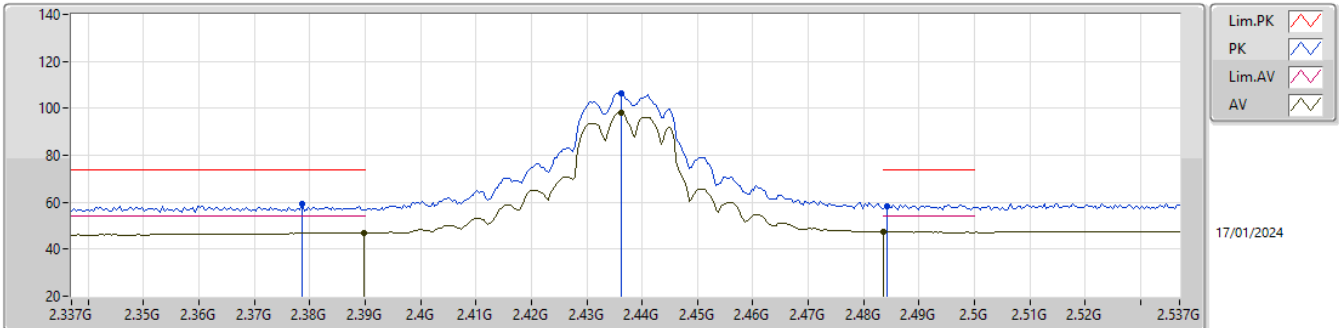


EUT_Z_2TX
Setting 21
03-R-P-5

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	2.3886G	63.56	74.00	-10.44	32.64	3	Vertical	22	1.86	-	27.35	3.57	-			
AV	2.3866G	51.20	54.00	-2.80	20.28	3	Vertical	22	1.86	-	27.35	3.57	-			
PK	2.4378G	118.77	Inf	-Inf	87.68	3	Vertical	22	1.86	-	27.48	3.61	-			
AV	2.4378G	110.55	Inf	-Inf	79.46	3	Vertical	22	1.86	-	27.48	3.61	-			
PK	2.4846G	64.65	74.00	-9.35	33.30	3	Vertical	22	1.86	-	27.71	3.64	-			
AV	2.4835G	52.03	54.00	-1.97	20.69	3	Vertical	22	1.86	-	27.70	3.64	-			

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

2437MHz_TX

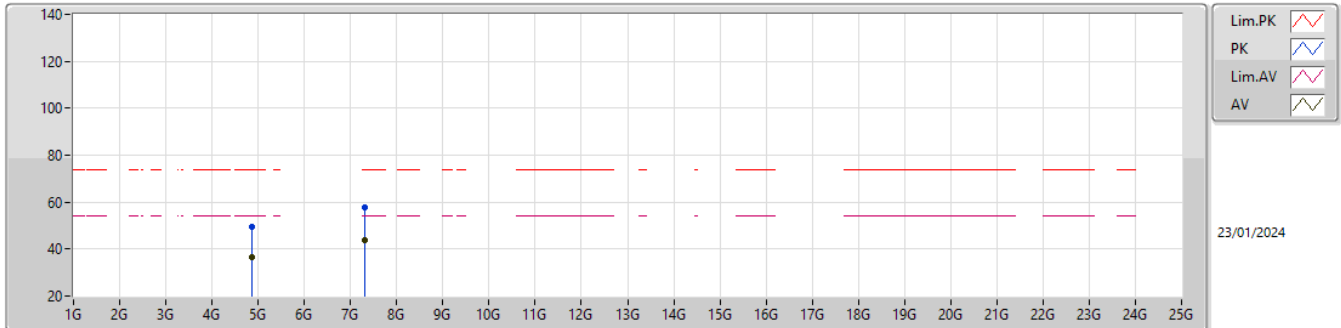


EUT_Z_2TX
Setting 21
03-R-P-5

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	2.3786G	59.13	74.00	-14.87	28.26	3	Horizontal	345	1.80	-	27.31	3.56	-			
AV	2.3898G	47.01	54.00	-6.99	16.08	3	Horizontal	345	1.80	-	27.36	3.57	-			
PK	2.4362G	106.46	Inf	-Inf	75.38	3	Horizontal	345	1.80	-	27.47	3.61	-			
AV	2.4362G	98.17	Inf	-Inf	67.09	3	Horizontal	345	1.80	-	27.47	3.61	-			
PK	2.4842G	58.43	74.00	-15.57	27.08	3	Horizontal	345	1.80	-	27.71	3.64	-			
AV	2.4835G	47.42	54.00	-6.58	16.08	3	Horizontal	345	1.80	-	27.70	3.64	-			

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

2437MHz_TX

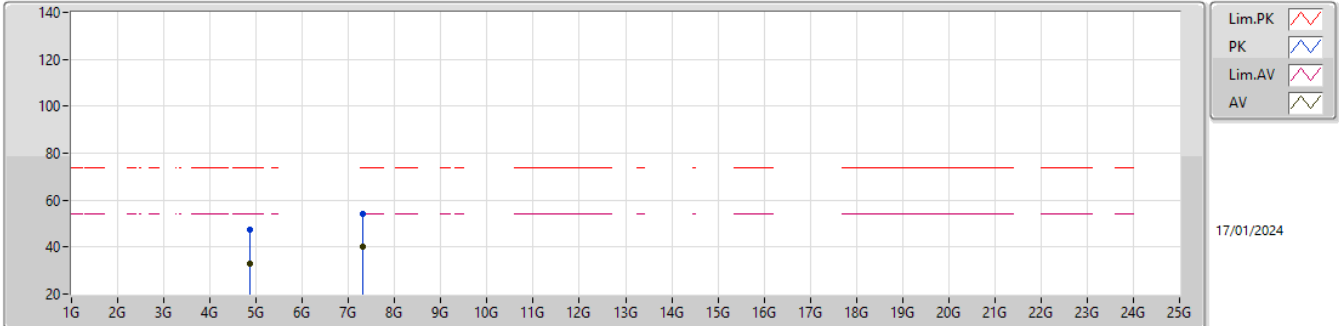


EUT_Z_2TX
Setting 21
05-E-G-4

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	4.87334G	49.40	74.00	-24.60	45.11	3	Vertical	176	1.03	-	32.70	7.18	35.59			
AV	4.874G	36.31	54.00	-17.69	32.02	3	Vertical	176	1.03	-	32.70	7.18	35.59			
PK	7.31358G	57.53	74.00	-16.47	46.84	3	Vertical	337	1.07	-	36.85	8.61	34.77			
AV	7.31304G	43.78	54.00	-10.22	33.09	3	Vertical	337	1.07	-	36.85	8.61	34.77			

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

2437MHz_TX

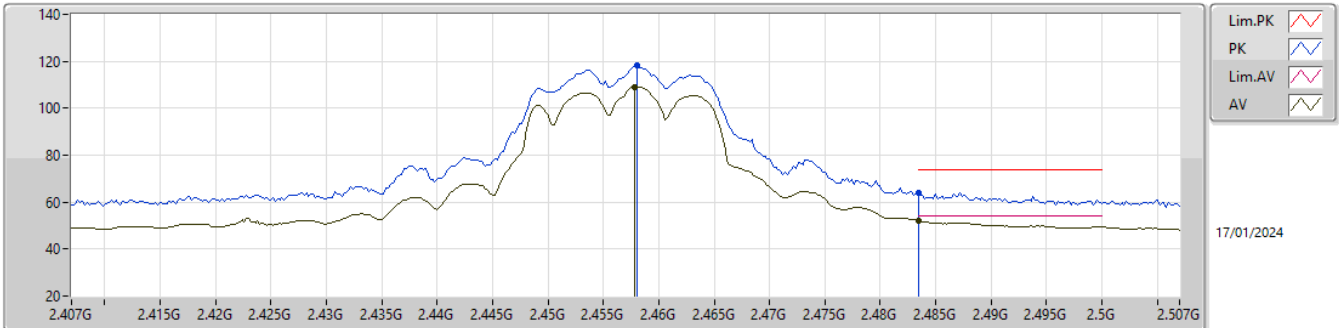


EUT_Z_2TX
Setting 21
05-E-G-4

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	4.8761G	47.30	74.00	-26.70	43.00	3	Horizontal	215	1.91	-	32.70	7.19	35.59			
AV	4.87568G	33.13	54.00	-20.87	28.83	3	Horizontal	215	1.91	-	32.70	7.19	35.59			
PK	7.30794G	53.97	74.00	-20.03	43.28	3	Horizontal	269	1.00	-	36.87	8.60	34.78			
AV	7.30854G	40.02	54.00	-13.98	29.33	3	Horizontal	269	1.00	-	36.87	8.60	34.78			

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

2457MHz_TX

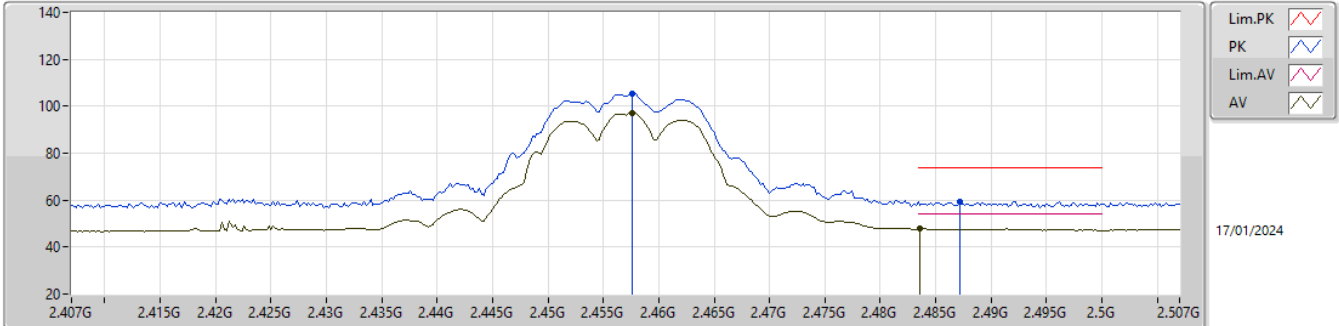


EUT_Z_2TX
Setting 18.5
03-R-P-5

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	2.458G	118.25	Inf	-Inf	87.08	3	Vertical	228	1.38	-	27.55	3.62	-				
AV	2.4578G	109.07	Inf	-Inf	77.90	3	Vertical	228	1.38	-	27.55	3.62	-				
PK	2.4835G	63.91	74.00	-10.09	32.57	3	Vertical	228	1.38	-	27.70	3.64	-				
AV	2.4835G	52.03	54.00	-1.97	20.69	3	Vertical	228	1.38	-	27.70	3.64	-				

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

2457MHz_TX

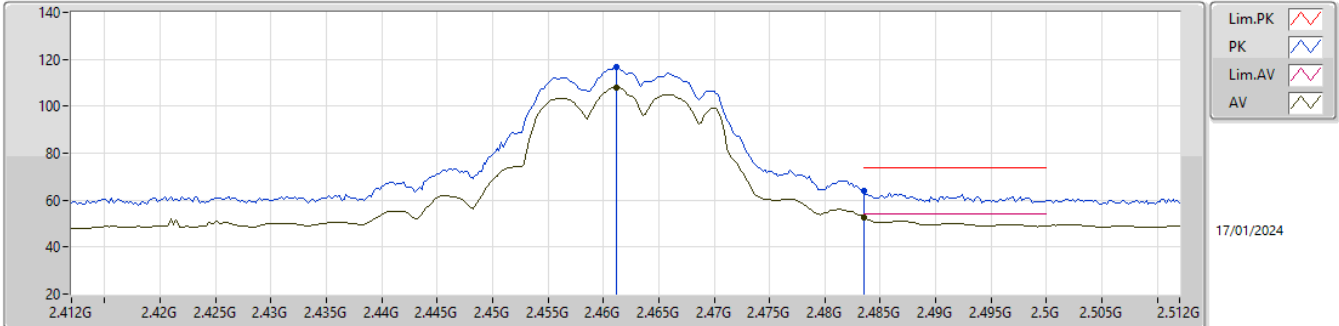


EUT_Z_2TX
Setting 18.5
03-R-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4576G	105.25	Inf	-Inf	74.08	3	Horizontal	49	1.00	-	27.55	3.62	-				
AV	2.4576G	97.03	Inf	-Inf	65.86	3	Horizontal	49	1.00	-	27.55	3.62	-				
PK	2.4872G	59.29	74.00	-14.71	27.92	3	Horizontal	49	1.00	-	27.72	3.65	-				
AV	2.4836G	47.71	54.00	-6.29	16.37	3	Horizontal	49	1.00	-	27.70	3.64	-				

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

2462MHz_TX

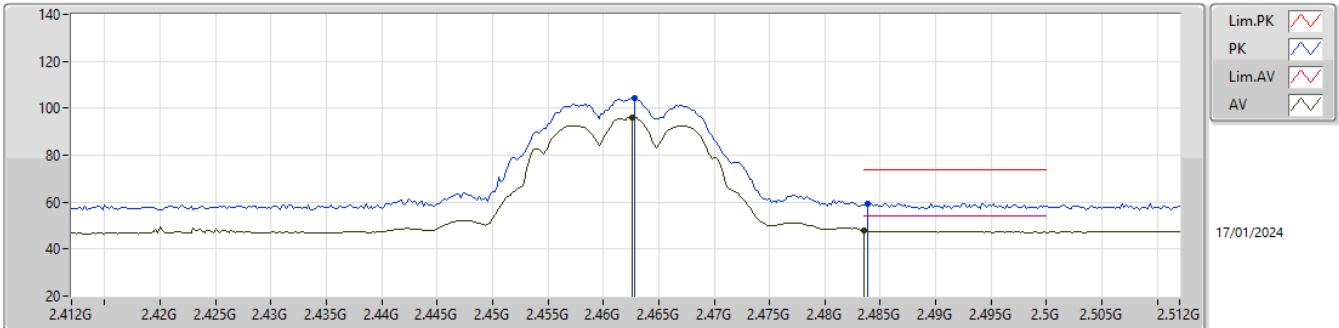


EUT_Z_2TX
Setting 17
03-R-P-5

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	2.4612G	116.53	Inf	-Inf	85.40	3	Vertical	92	1.42	-	27.50	3.63	-			
AV	2.4612G	107.95	Inf	-Inf	76.82	3	Vertical	92	1.42	-	27.50	3.63	-			
PK	2.4835G	63.91	74.00	-10.09	32.77	3	Vertical	92	1.42	-	27.50	3.64	-			
AV	2.4835G	52.69	54.00	-1.31	21.55	3	Vertical	92	1.42	-	27.50	3.64	-			

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

2462MHz_TX

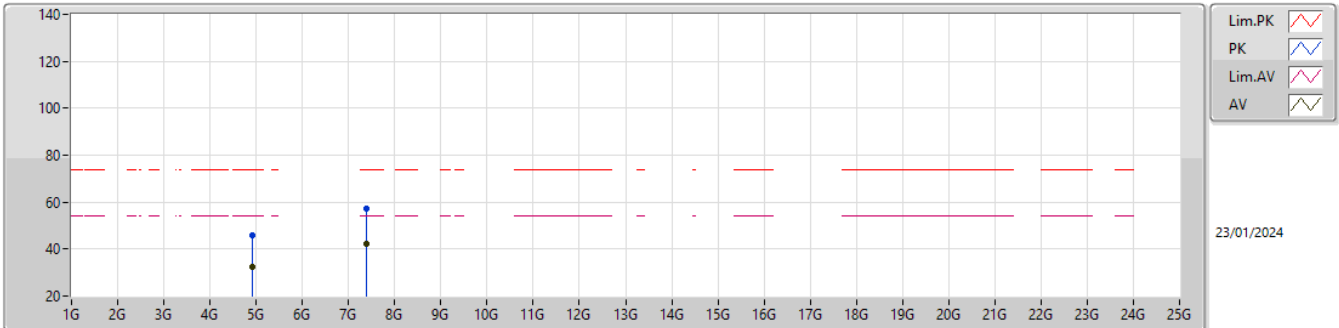


EUT_Z_2TX
Setting 17
03-R-P-5

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	2.4628G	104.48	Inf	-Inf	73.27	3	Horizontal	48	1.20	-	27.58	3.63	-			
AV	2.4626G	96.27	Inf	-Inf	65.06	3	Horizontal	48	1.20	-	27.58	3.63	-			
PK	2.4838G	59.43	74.00	-14.57	28.09	3	Horizontal	48	1.20	-	27.70	3.64	-			
AV	2.4835G	47.98	54.00	-6.02	16.64	3	Horizontal	48	1.20	-	27.70	3.64	-			

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

2462MHz_TX

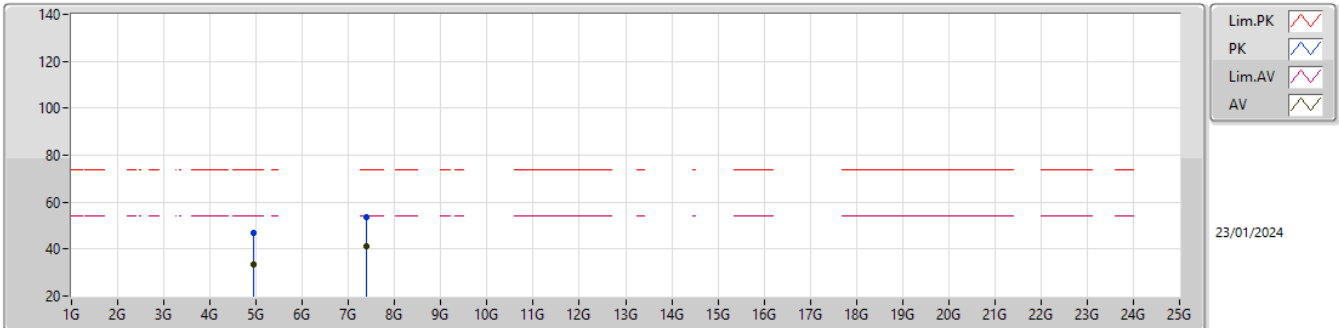


EUT_Z_2TX
Setting 17
05-E-G-4

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	4.91542G	45.73	74.00	-28.27	41.34	3	Vertical	276	1.20	-	32.76	7.21	35.58			
AV	4.9272G	32.61	54.00	-21.39	28.16	3	Vertical	276	1.20	-	32.81	7.22	35.58			
PK	7.38108G	57.31	74.00	-16.69	46.69	3	Vertical	335	1.00	-	36.64	8.63	34.65			
AV	7.38576G	42.07	54.00	-11.93	31.45	3	Vertical	335	1.00	-	36.63	8.63	34.64			

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

2462MHz_TX

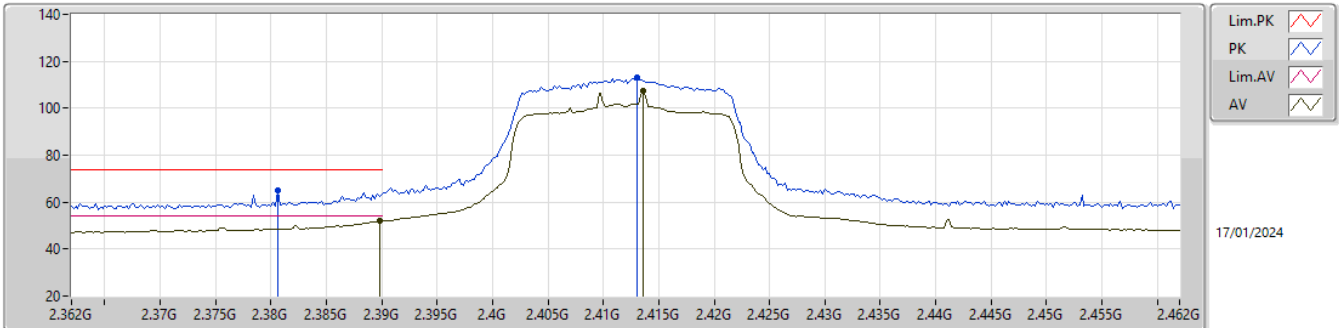


EUT_Z_2TX
Setting 17
05-E-G-4

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	4.9344G	46.95	74.00	-27.05	42.47	3	Horizontal	90	1.45	-	32.84	7.22	35.58			
AV	4.93406G	33.28	54.00	-20.72	28.80	3	Horizontal	90	1.45	-	32.84	7.22	35.58			
PK	7.38168G	53.46	74.00	-20.54	42.84	3	Horizontal	63	2.16	-	36.64	8.63	34.65			
AV	7.38234G	41.46	54.00	-12.54	30.83	3	Horizontal	63	2.16	-	36.64	8.63	34.64			

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

2412MHz_TX

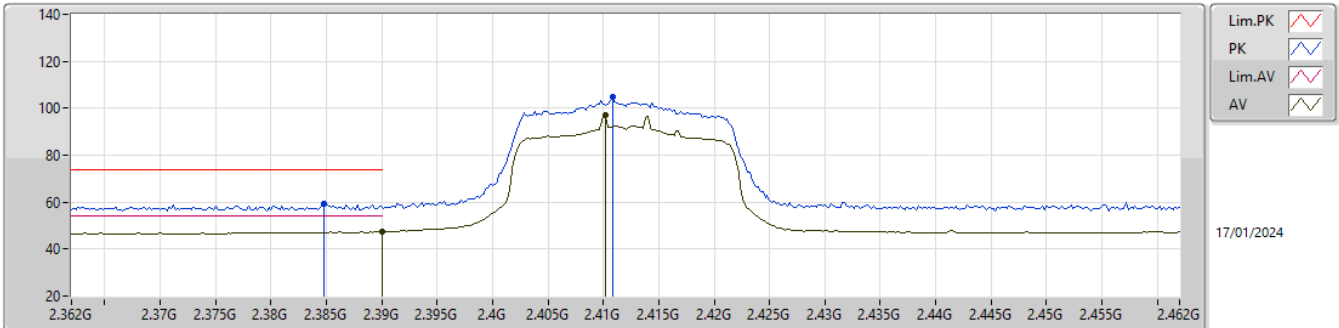


EUT_Z_2TX
Setting 18
03-R-P-5

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	2.3806G	65.05	74.00	-8.95	34.16	3	Vertical	37	1.22	-	27.32	3.57	-			
AV	2.3898G	51.91	54.00	-2.09	20.98	3	Vertical	37	1.22	-	27.36	3.57	-			
PK	2.413G	113.12	Inf	-Inf	82.10	3	Vertical	37	1.22	-	27.43	3.59	-			
AV	2.4136G	107.41	Inf	-Inf	76.39	3	Vertical	37	1.22	-	27.43	3.59	-			

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

2412MHz_TX

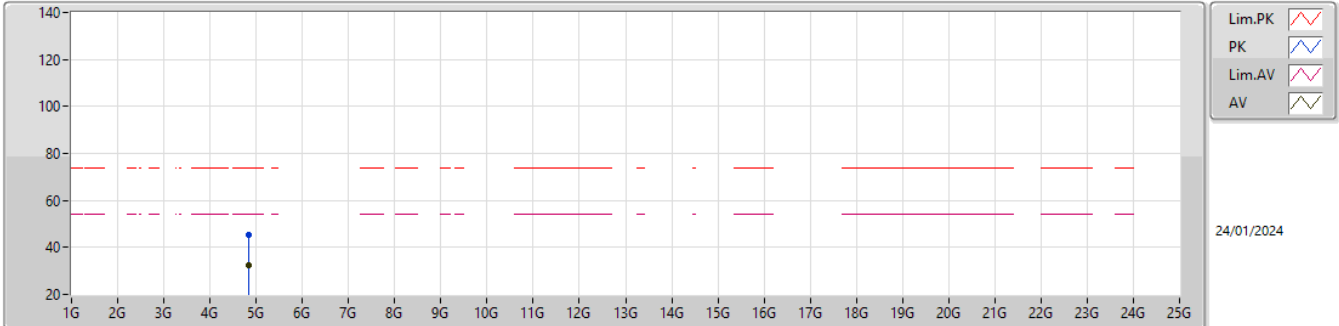


EUT_Z_2TX
Setting 18
03-R-P-5

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	2.3848G	59.08	74.00	-14.92	28.17	3	Horizontal	12	1.61	-	27.34	3.57	-			
AV	2.39G	47.59	54.00	-6.41	16.66	3	Horizontal	12	1.61	-	27.36	3.57	-			
PK	2.4108G	104.69	Inf	-Inf	73.68	3	Horizontal	12	1.61	-	27.42	3.59	-			
AV	2.4102G	96.90	Inf	-Inf	65.89	3	Horizontal	12	1.61	-	27.42	3.59	-			

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

2412MHz_TX

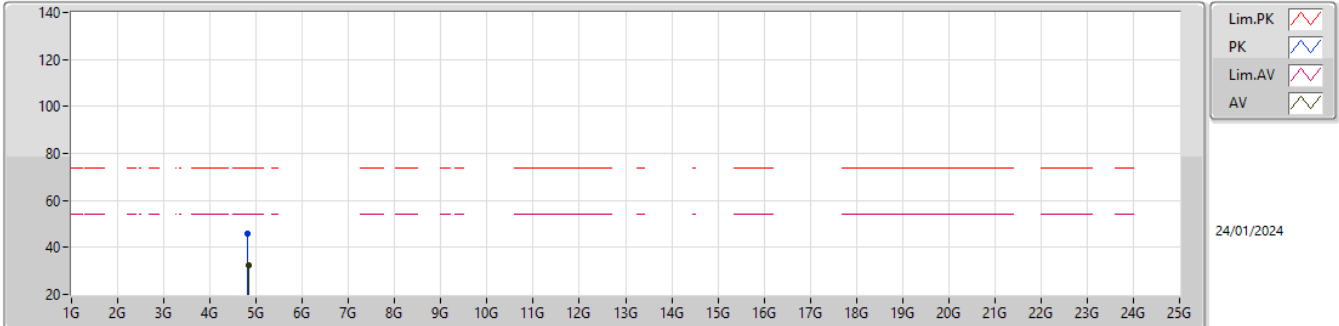


EUT_Z_2TX
Setting 18
05-E-G-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.82956G	45.50	74.00	-28.50	41.36	3	Vertical	50	1.96	-	32.58	7.16	35.60			
AV	4.83148G	32.44	54.00	-21.56	28.29	3	Vertical	50	1.96	-	32.59	7.16	35.60			

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

2412MHz_TX

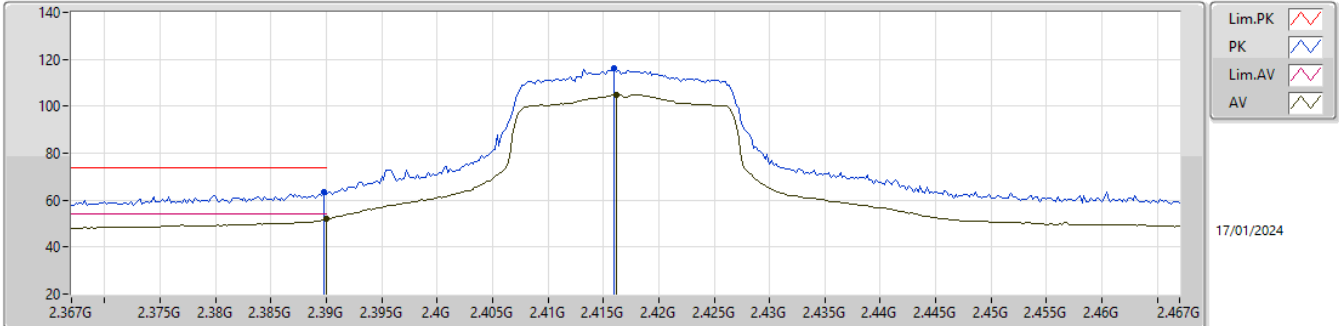


EUT_Z_2TX
Setting 18
05-E-G-4

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	4.82164G	45.81	74.00	-28.19	41.74	3	Horizontal	328	2.34	-	32.53	7.15	35.61			
AV	4.8336G	32.48	54.00	-21.52	28.32	3	Horizontal	328	2.34	-	32.60	7.16	35.60			

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

2417MHz_TX

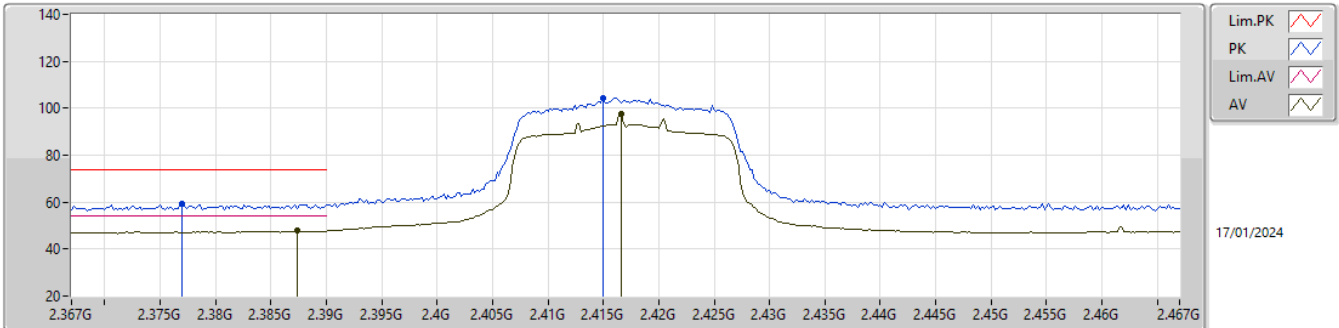


EUT_Z_2TX
Setting 20
03-R-P-5

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	63.34	74.00	-10.66	32.41	3	Vertical	70	1.19	-	27.36	3.57	-			
AV	2.39G	52.08	54.00	-1.92	21.15	3	Vertical	70	1.19	-	27.36	3.57	-			
PK	2.416G	116.18	Inf	-Inf	85.16	3	Vertical	70	1.19	-	27.43	3.59	-			
AV	2.4162G	104.97	Inf	-Inf	73.95	3	Vertical	70	1.19	-	27.43	3.59	-			

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

2417MHz_TX

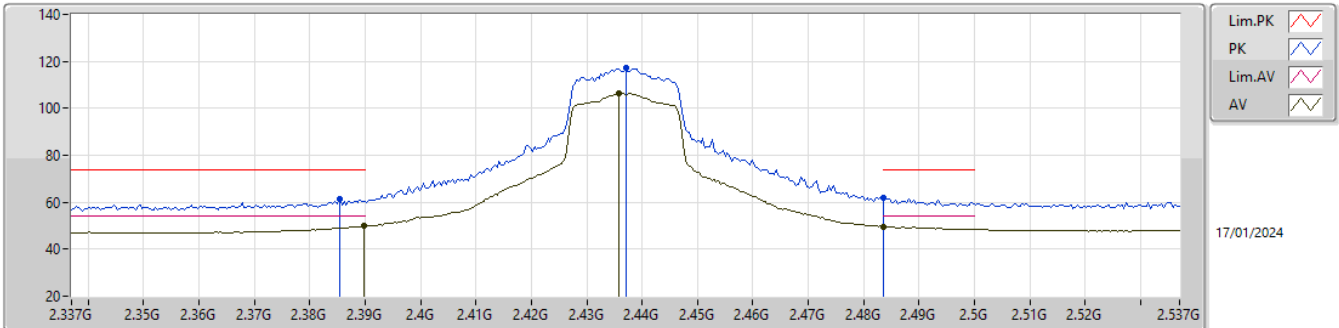


EUT_Z_2TX
Setting 20
03-R-P-5

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	2.377G	59.42	74.00	-14.58	28.55	3	Horizontal	13	2.45	-	27.31	3.56	-			
AV	2.3874G	47.86	54.00	-6.14	16.94	3	Horizontal	13	2.45	-	27.35	3.57	-			
PK	2.415G	104.43	Inf	-Inf	73.41	3	Horizontal	13	2.45	-	27.43	3.59	-			
AV	2.4166G	97.65	Inf	-Inf	66.63	3	Horizontal	13	2.45	-	27.43	3.59	-			

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

2437MHz_TX

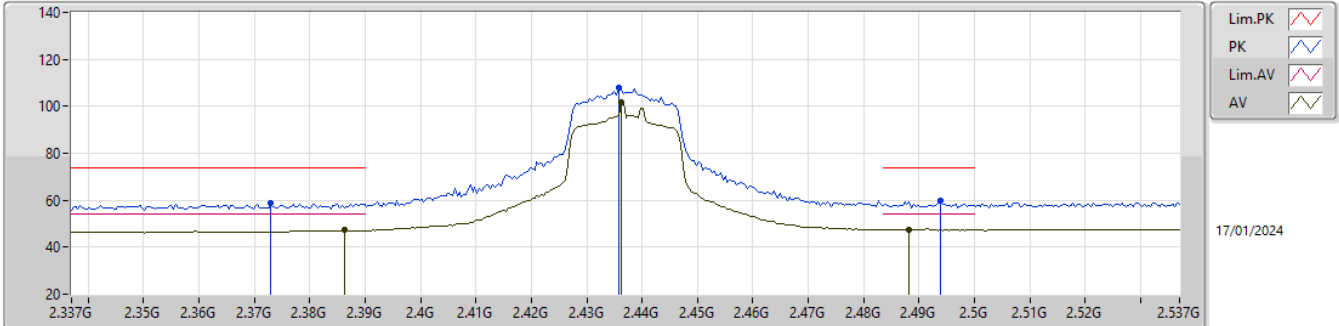


EUT_Z_2TX
Setting 23
03-R-P-5

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	2.3854G	61.58	74.00	-12.42	30.67	3	Vertical	11	1.79	-	27.34	3.57	-			
AV	2.3898G	50.01	54.00	-3.99	19.08	3	Vertical	11	1.79	-	27.36	3.57	-			
PK	2.437G	117.22	Inf	-Inf	86.14	3	Vertical	11	1.79	-	27.47	3.61	-			
AV	2.4358G	106.33	Inf	-Inf	75.25	3	Vertical	11	1.79	-	27.47	3.61	-			
PK	2.4835G	61.76	74.00	-12.24	30.42	3	Vertical	11	1.79	-	27.70	3.64	-			
AV	2.4835G	49.70	54.00	-4.30	18.36	3	Vertical	11	1.79	-	27.70	3.64	-			

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

2437MHz_TX

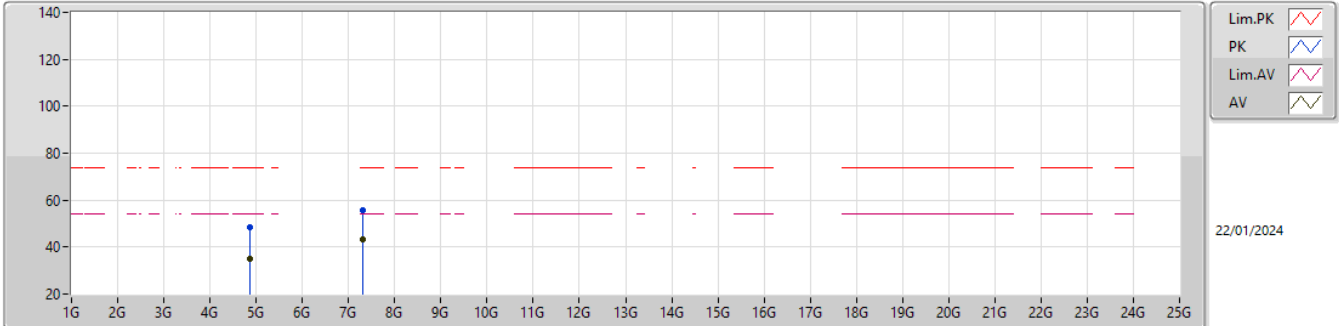


EUT_Z_2TX
Setting 23
03-R-P-5

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	2.373G	58.89	74.00	-15.11	28.04	3	Horizontal	53	1.07	-	27.29	3.56	-			
AV	2.3862G	47.30	54.00	-6.70	16.39	3	Horizontal	53	1.07	-	27.34	3.57	-			
PK	2.4358G	108.05	Inf	-Inf	76.97	3	Horizontal	53	1.07	-	27.47	3.61	-			
AV	2.4362G	101.66	Inf	-Inf	70.58	3	Horizontal	53	1.07	-	27.47	3.61	-			
PK	2.4938G	60.06	74.00	-13.94	28.65	3	Horizontal	53	1.07	-	27.76	3.65	-			
AV	2.4882G	47.43	54.00	-6.57	16.05	3	Horizontal	53	1.07	-	27.73	3.65	-			

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

2437MHz_TX

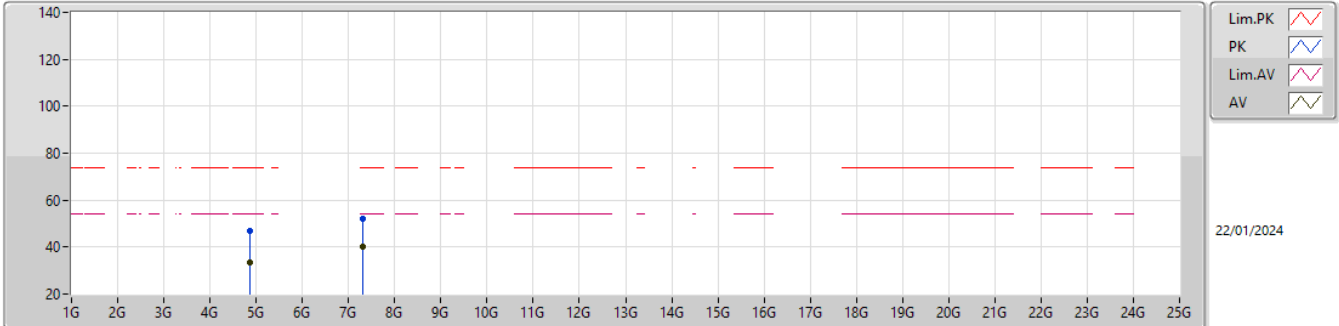


EUT_Z_2TX
Setting 23
05-E-G-4

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	4.87432G	48.34	74.00	-25.66	44.05	3	Vertical	172	1.03	-	32.70	7.18	35.59			
AV	4.87684G	35.00	54.00	-19.00	30.70	3	Vertical	172	1.03	-	32.70	7.19	35.59			
PK	7.31022G	55.61	74.00	-18.39	44.93	3	Vertical	352	1.24	-	36.86	8.60	34.78			
AV	7.31136G	43.03	54.00	-10.97	32.35	3	Vertical	352	1.24	-	36.85	8.60	34.77			

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

2437MHz_TX

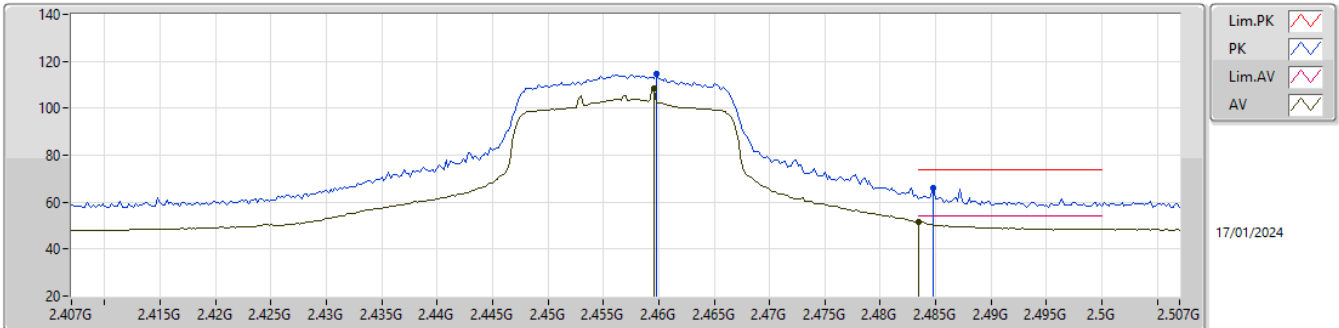


EUT_Z_2TX
Setting 23
05-E-G-4

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	4.86576G	47.11	74.00	-26.89	42.82	3	Horizontal	327	1.51	-	32.70	7.18	35.59			
AV	4.87596G	33.21	54.00	-20.79	28.91	3	Horizontal	327	1.51	-	32.70	7.19	35.59			
PK	7.31028G	51.90	74.00	-22.10	41.22	3	Horizontal	345	2.41	-	36.86	8.60	34.78			
AV	7.31304G	40.21	54.00	-13.79	29.52	3	Horizontal	345	2.41	-	36.85	8.61	34.77			

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

2457MHz_TX

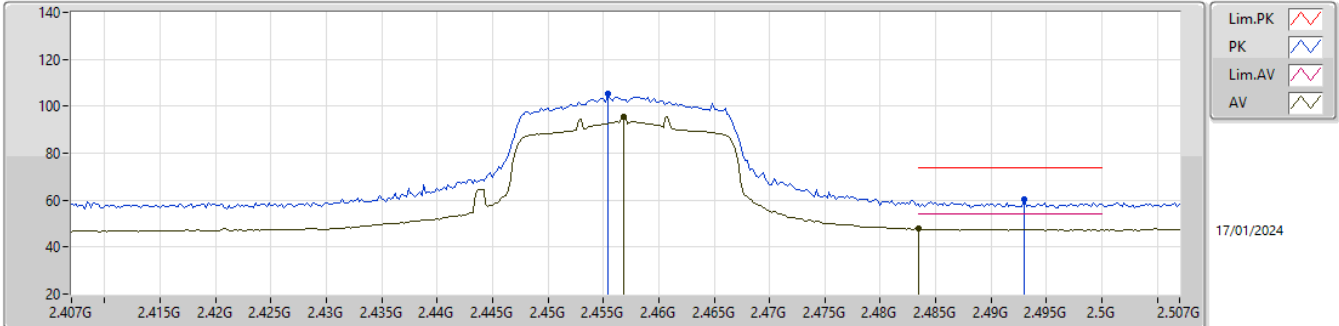


EUT_Z_2TX
Setting 20
03-R-P-5

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	2.4598G	114.49	Inf	-Inf	83.31	3	Vertical	278	1.38	-	27.56	3.62	-				
AV	2.4596G	108.28	Inf	-Inf	77.10	3	Vertical	278	1.38	-	27.56	3.62	-				
PK	2.4848G	66.24	74.00	-7.76	34.89	3	Vertical	278	1.38	-	27.71	3.64	-				
AV	2.4835G	51.32	54.00	-2.68	19.98	3	Vertical	278	1.38	-	27.70	3.64	-				

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

2457MHz_TX

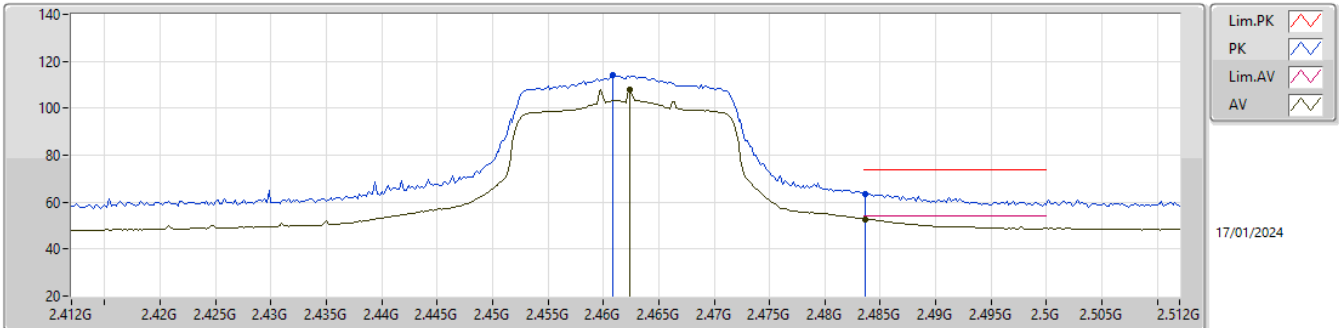


EUT_Z_2TX
Setting 20
03-R-P-5

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	2.4554G	105.54	Inf	-Inf	74.39	3	Horizontal	50	1.02	-	27.53	3.62	-			
AV	2.4568G	95.45	Inf	-Inf	64.29	3	Horizontal	50	1.02	-	27.54	3.62	-			
PK	2.493G	60.33	74.00	-13.67	28.92	3	Horizontal	50	1.02	-	27.76	3.65	-			
AV	2.4835G	47.71	54.00	-6.29	16.37	3	Horizontal	50	1.02	-	27.70	3.64	-			

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

2462MHz_TX

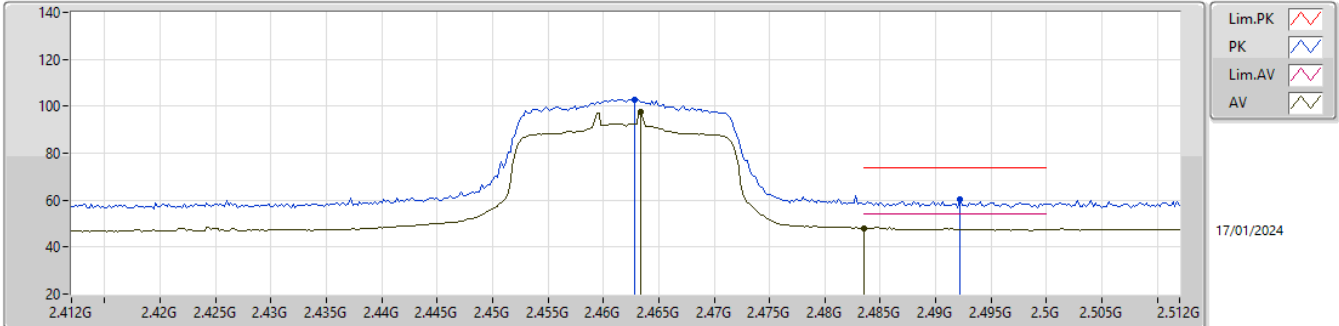


EUT_Z_2TX
Setting 19
03-R-P-5

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	2.4608G	114.26	Inf	-Inf	83.13	3	Vertical	97	1.19	-	27.50	3.63	-			
AV	2.4624G	108.05	Inf	-Inf	76.92	3	Vertical	97	1.19	-	27.50	3.63	-			
PK	2.4836G	63.69	74.00	-10.31	32.55	3	Vertical	97	1.19	-	27.50	3.64	-			
AV	2.4836G	52.69	54.00	-1.31	21.55	3	Vertical	97	1.19	-	27.50	3.64	-			

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

2462MHz_TX

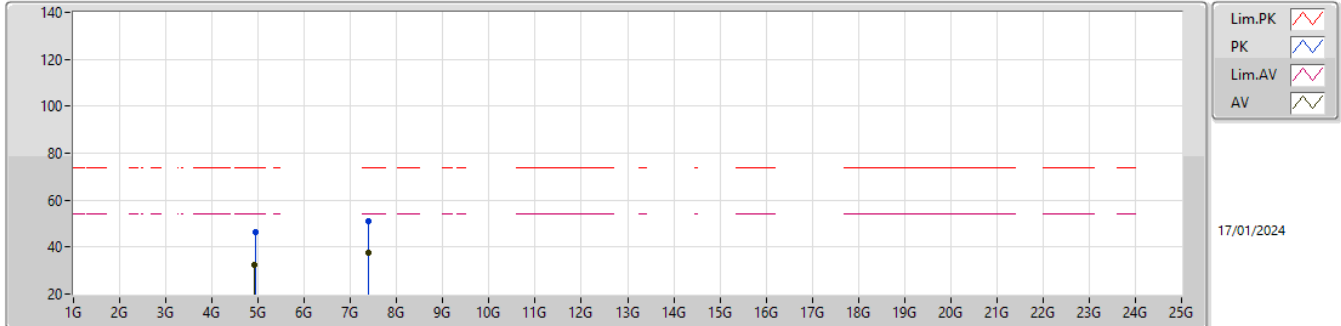


EUT_Z_2TX
Setting 19
03-R-P-5

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	2.4628G	102.73	Inf	-Inf	71.52	3	Horizontal	47	1.02	-	27.58	3.63	-			
AV	2.4634G	97.82	Inf	-Inf	66.61	3	Horizontal	47	1.02	-	27.58	3.63	-			
PK	2.4922G	60.26	74.00	-13.74	28.86	3	Horizontal	47	1.02	-	27.75	3.65	-			
AV	2.4835G	47.98	54.00	-6.02	16.64	3	Horizontal	47	1.02	-	27.70	3.64	-			

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

2462MHz_TX

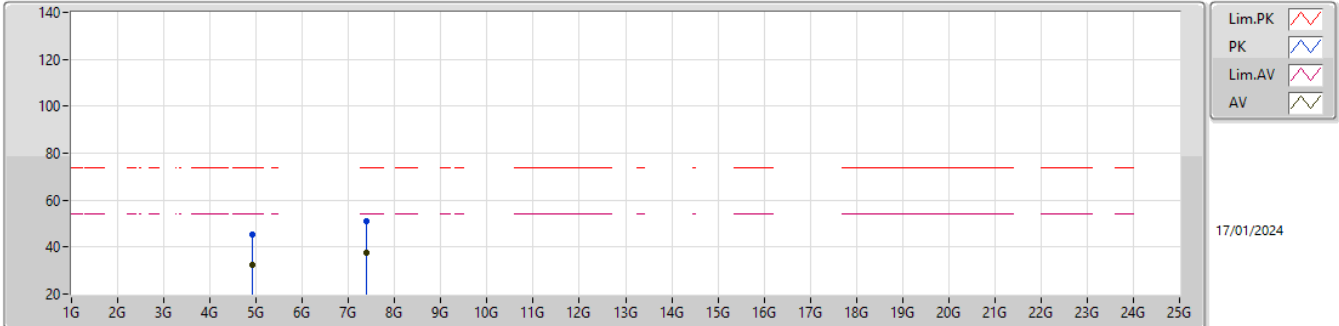


EUT_Z_2TX
Setting 19
05-E-G-4

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	4.93076G	46.28	74.00	-27.72	41.82	3	Vertical	100	1.59	-	32.82	7.22	35.58				
AV	4.92744G	32.25	54.00	-21.75	27.80	3	Vertical	100	1.59	-	32.81	7.22	35.58				
PK	7.3796G	50.97	74.00	-23.03	40.35	3	Vertical	75	1.67	-	36.64	8.63	34.65				
AV	7.37868G	37.53	54.00	-16.47	26.91	3	Vertical	75	1.67	-	36.64	8.63	34.65				

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

2462MHz_TX

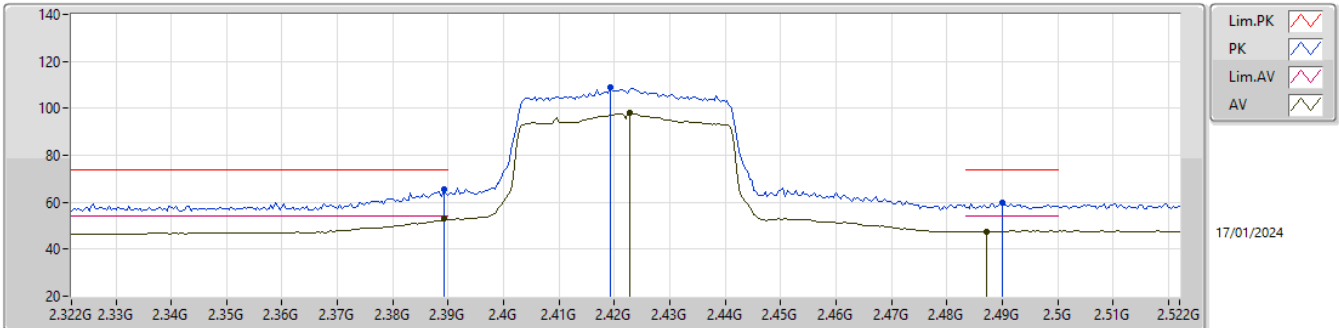


EUT_Z_2TX
Setting 19
05-E-G-4

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	4.91832G	45.47	74.00	-28.53	41.07	3	Horizontal	51	1.07	-	32.77	7.21	35.58				
AV	4.9268G	32.35	54.00	-21.65	27.90	3	Horizontal	51	1.07	-	32.81	7.22	35.58				
PK	7.3818G	51.11	74.00	-22.89	40.49	3	Horizontal	194	1.82	-	36.64	8.63	34.65				
AV	7.37948G	37.58	54.00	-16.42	26.96	3	Horizontal	194	1.82	-	36.64	8.63	34.65				

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

2422MHz_TX

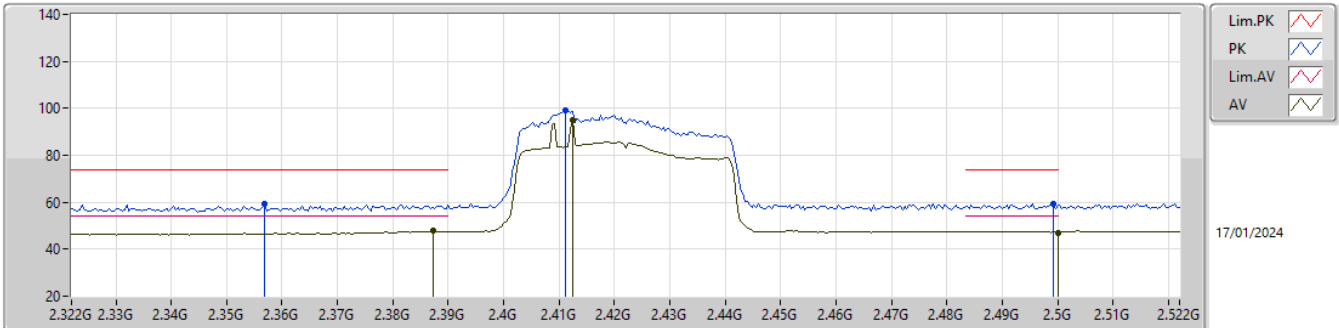


EUT_Z_2TX
Setting 17
03-R-P-5

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	65.57	74.00	-8.43	34.64	3	Vertical	337.4	1.75	-	27.36	3.57	-			
AV	2.3892G	52.87	54.00	-1.13	21.94	3	Vertical	337.4	1.75	-	27.36	3.57	-			
PK	2.4192G	108.80	Inf	-Inf	77.77	3	Vertical	337.4	1.75	-	27.44	3.59	-			
AV	2.4228G	98.03	Inf	-Inf	66.98	3	Vertical	337.4	1.75	-	27.45	3.60	-			
PK	2.49G	59.58	74.00	-14.42	28.19	3	Vertical	337.4	1.75	-	27.74	3.65	-			
AV	2.4872G	47.43	54.00	-6.57	16.06	3	Vertical	337.4	1.75	-	27.72	3.65	-			

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

2422MHz_TX

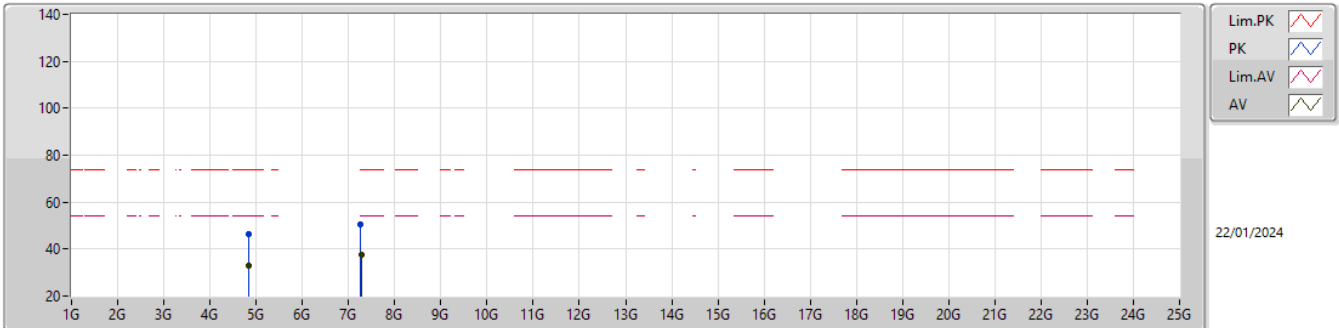


EUT_Z_2TX
Setting 17
03-R-P-5

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	2.3568G	59.52	74.00	-14.48	28.74	3	Horizontal	245	1.80	-	27.23	3.55	-			
AV	2.3872G	47.86	54.00	-6.14	16.94	3	Horizontal	245	1.80	-	27.35	3.57	-			
PK	2.4112G	99.01	Inf	-Inf	68.00	3	Horizontal	245	1.80	-	27.42	3.59	-			
AV	2.4124G	95.22	Inf	-Inf	64.21	3	Horizontal	245	1.80	-	27.42	3.59	-			
PK	2.4992G	59.14	74.00	-14.86	27.69	3	Horizontal	245	1.80	-	27.80	3.65	-			
AV	2.5G	47.15	54.00	-6.85	15.69	3	Horizontal	245	1.80	-	27.80	3.66	-			

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

2422MHz_TX

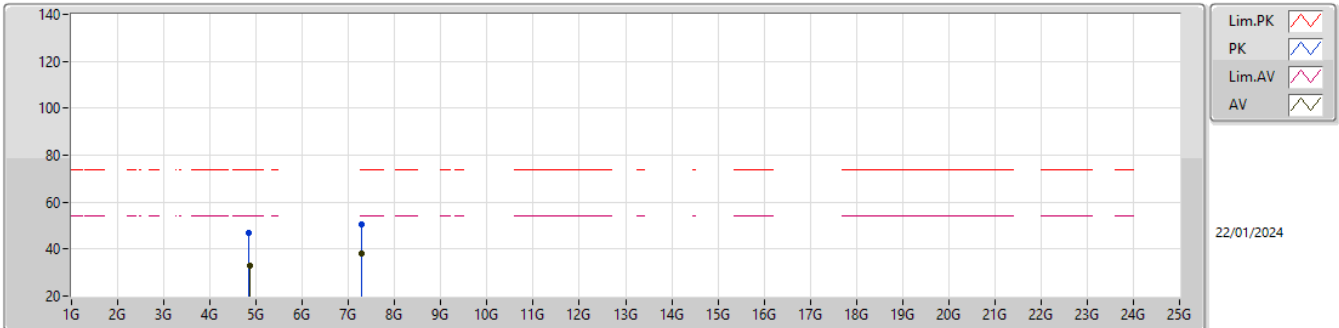


EUT_Z_2TX
Setting 17
05-E-G-4

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	4.85092G	46.48	74.00	-27.52	42.21	3	Vertical	147	1.39	-	32.70	7.17	35.60			
AV	4.84768G	32.90	54.00	-21.10	28.64	3	Vertical	147	1.39	-	32.69	7.17	35.60			
PK	7.26348G	50.67	74.00	-23.33	39.89	3	Vertical	129	2.57	-	37.05	8.59	34.86			
AV	7.2752G	37.75	54.00	-16.25	27.00	3	Vertical	129	2.57	-	37.00	8.59	34.84			

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

2422MHz_TX

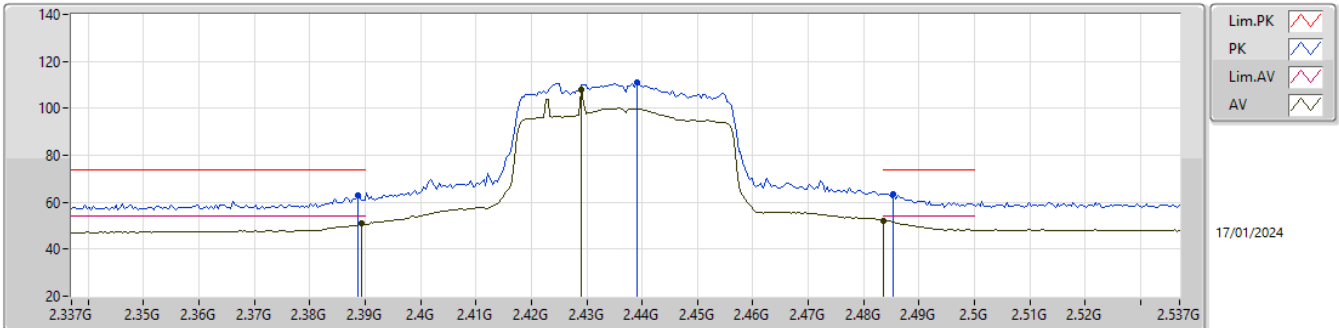


EUT_Z_2TX
Setting 17
05-E-G-4

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	4.8476G	46.72	74.00	-27.28	42.46	3	Horizontal	30	1.92	-	32.69	7.17	35.60			
AV	4.8512G	32.90	54.00	-21.10	28.63	3	Horizontal	30	1.92	-	32.70	7.17	35.60			
PK	7.27548G	50.56	74.00	-23.44	39.81	3	Horizontal	125	2.45	-	37.00	8.59	34.84			
AV	7.27252G	37.85	54.00	-16.15	27.09	3	Horizontal	125	2.45	-	37.01	8.59	34.84			

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

2437MHz_TX

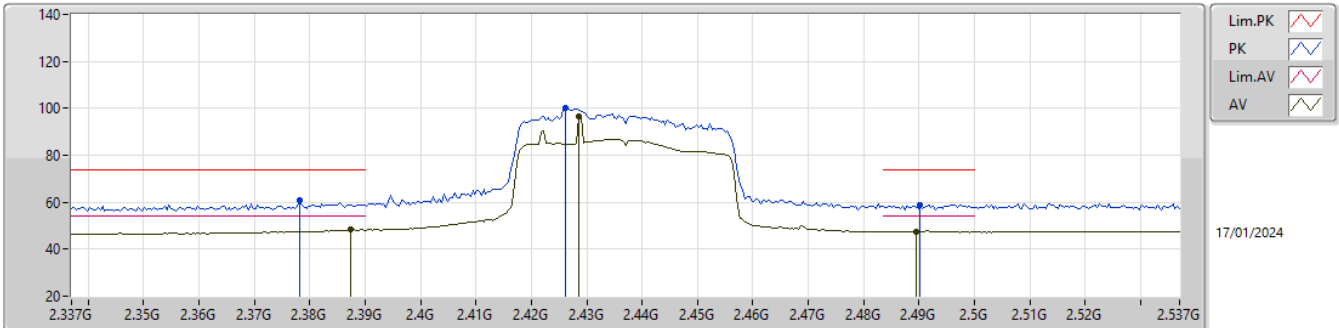


EUT_Z_2TX
Setting 19
03-R-P-5

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	2.3886G	62.87	74.00	-11.13	31.68	3	Vertical	30	1.16	-	27.62	3.57	-			
AV	2.3894G	50.82	54.00	-3.18	19.63	3	Vertical	30	1.16	-	27.62	3.57	-			
PK	2.439G	110.97	Inf	-Inf	79.84	3	Vertical	30	1.16	-	27.52	3.61	-			
AV	2.429G	107.86	Inf	-Inf	76.72	3	Vertical	30	1.16	-	27.54	3.60	-			
PK	2.4854G	63.69	74.00	-10.31	32.55	3	Vertical	30	1.16	-	27.50	3.64	-			
AV	2.4835G	52.20	54.00	-1.80	21.06	3	Vertical	30	1.16	-	27.50	3.64	-			

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

2437MHz_TX

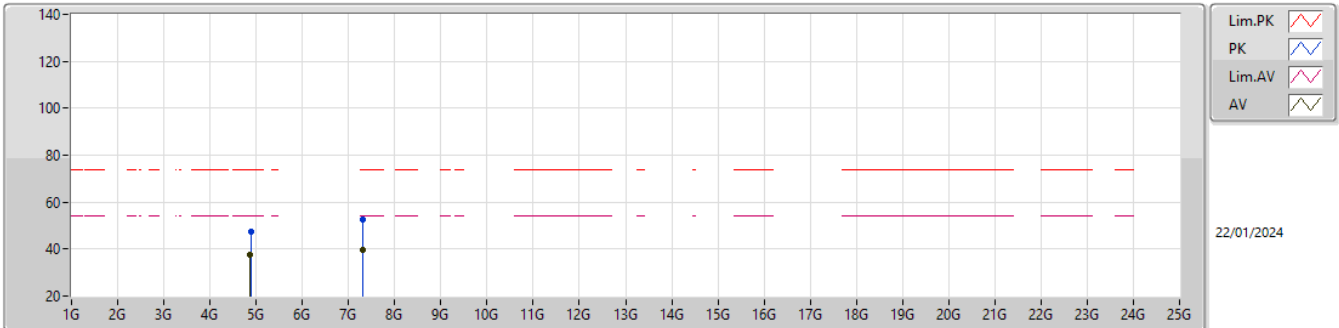


EUT_Z_2TX
Setting 19
03-R-P-5

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	2.3782G	60.85	74.00	-13.15	29.98	3	Horizontal	14	2.43	-	27.31	3.56	-			
AV	2.3874G	48.64	54.00	-5.36	17.72	3	Horizontal	14	2.43	-	27.35	3.57	-			
PK	2.4262G	100.10	Inf	-Inf	69.05	3	Horizontal	14	2.43	-	27.45	3.60	-			
AV	2.4286G	96.57	Inf	-Inf	65.51	3	Horizontal	14	2.43	-	27.46	3.60	-			
PK	2.4902G	58.99	74.00	-15.01	27.60	3	Horizontal	14	2.43	-	27.74	3.65	-			
AV	2.4894G	47.43	54.00	-6.57	16.04	3	Horizontal	14	2.43	-	27.74	3.65	-			

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

2437MHz_TX

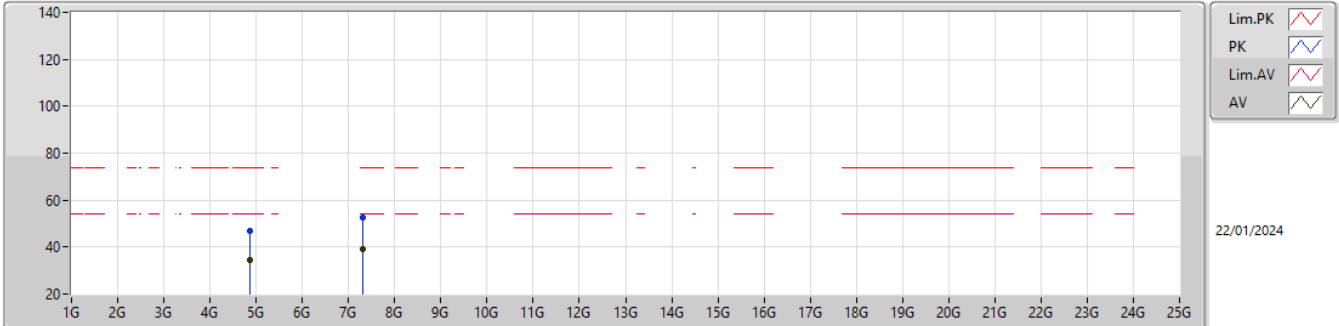


EUT_Z_2TX
Setting 19
05-E-G-4

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	4.88164G	47.49	74.00	-26.51	43.19	3	Vertical	99	1.30	-	32.70	7.19	35.59			
AV	4.874G	37.59	54.00	-16.41	33.30	3	Vertical	99	1.30	-	32.70	7.18	35.59			
PK	7.30668G	52.60	74.00	-21.40	41.91	3	Vertical	73	2.05	-	36.87	8.60	34.78			
AV	7.31068G	39.41	54.00	-14.59	28.72	3	Vertical	73	2.05	-	36.86	8.60	34.77			

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

2437MHz_TX

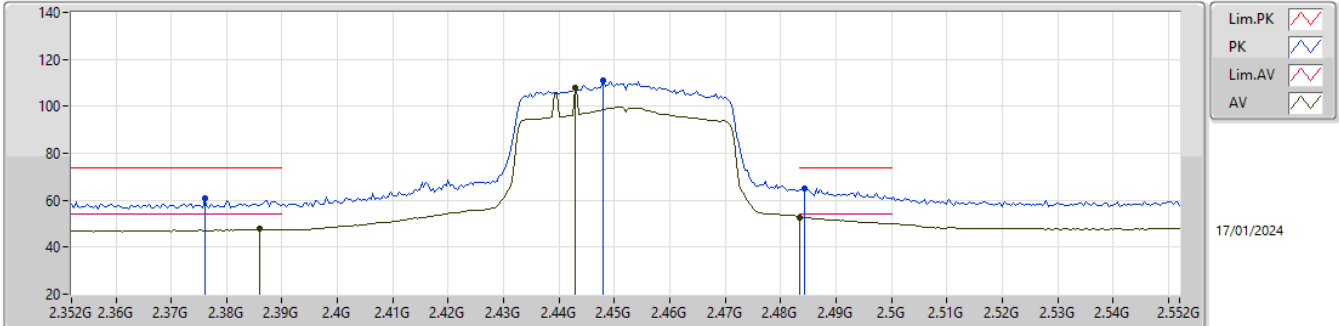


EUT_Z_2TX
Setting 19
05-E-G-4

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	4.874G	46.90	74.00	-27.10	42.61	3	Horizontal	17	2.12	-	32.70	7.18	35.59			
AV	4.87432G	34.53	54.00	-19.47	30.24	3	Horizontal	17	2.12	-	32.70	7.18	35.59			
PK	7.31056G	52.35	74.00	-21.65	41.66	3	Horizontal	71	2.30	-	36.86	8.60	34.77			
AV	7.31068G	39.31	54.00	-14.69	28.62	3	Horizontal	71	2.30	-	36.86	8.60	34.77			

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

2452MHz_TX

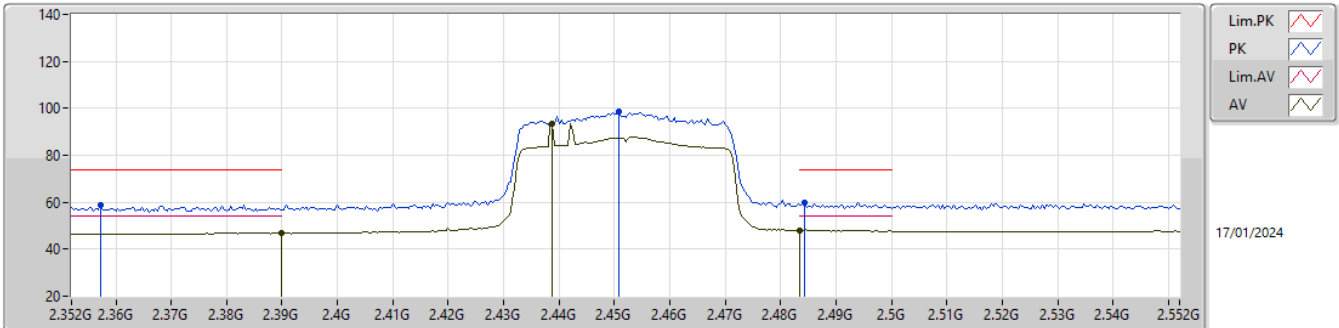


EUT_Z_2TX
Setting 18
03-R-P-5

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	2.376G	60.86	74.00	-13.14	30.00	3	Vertical	281	1.20	-	27.30	3.56	-			
AV	2.386G	47.86	54.00	-6.14	16.95	3	Vertical	281	1.20	-	27.34	3.57	-			
PK	2.448G	110.95	Inf	-Inf	79.83	3	Vertical	281	1.20	-	27.50	3.62	-			
AV	2.4428G	108.06	Inf	-Inf	76.96	3	Vertical	281	1.20	-	27.49	3.61	-			
PK	2.4844G	64.92	74.00	-9.08	33.57	3	Vertical	281	1.20	-	27.71	3.64	-			
AV	2.4835G	52.84	54.00	-1.16	21.50	3	Vertical	281	1.20	-	27.70	3.64	-			

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

2452MHz_TX

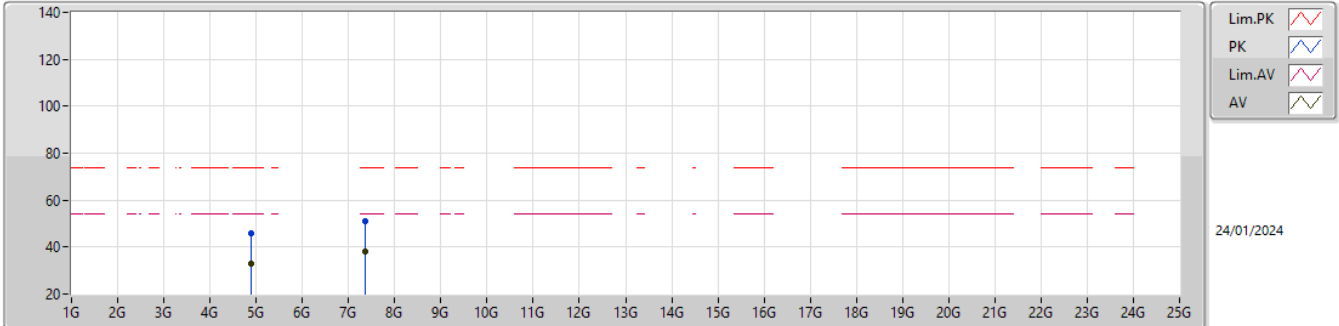


EUT_Z_2TX
Setting 18
03-R-P-5

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	2.3572G	59.02	74.00	-14.98	28.24	3	Horizontal	46	1.05	-	27.23	3.55	-			
AV	2.39G	47.01	54.00	-6.99	16.08	3	Horizontal	46	1.05	-	27.36	3.57	-			
PK	2.4508G	98.81	Inf	-Inf	67.69	3	Horizontal	46	1.05	-	27.50	3.62	-			
AV	2.4388G	93.61	Inf	-Inf	62.52	3	Horizontal	46	1.05	-	27.48	3.61	-			
PK	2.4844G	59.78	74.00	-14.22	28.43	3	Horizontal	46	1.05	-	27.71	3.64	-			
AV	2.4835G	47.98	54.00	-6.02	16.64	3	Horizontal	46	1.05	-	27.70	3.64	-			

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

2452MHz_TX

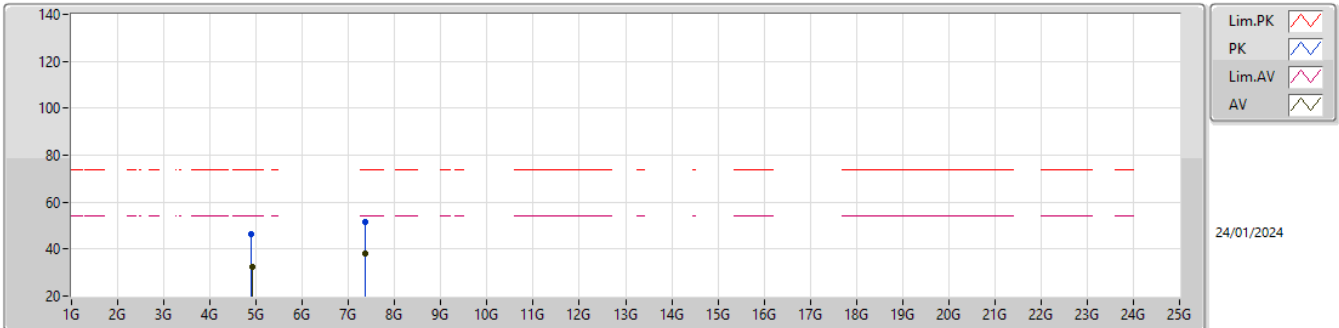


EUT_Z_2TX
Setting 18
05-E-G-4

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	4.89608G	45.93	74.00	-28.07	41.62	3	Vertical	75	1.17	-	32.70	7.20	35.59			
AV	4.8978G	32.68	54.00	-21.32	28.37	3	Vertical	75	1.17	-	32.70	7.20	35.59			
PK	7.35732G	50.83	74.00	-23.17	40.21	3	Vertical	49	1.42	-	36.69	8.62	34.69			
AV	7.35332G	38.18	54.00	-15.82	27.57	3	Vertical	49	1.42	-	36.69	8.62	34.70			

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

2452MHz_TX



EUT_Z_2TX
Setting 18
05-E-G-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	4.899G	46.29	74.00	-27.71	41.98	3	Horizontal	75	1.49	-	32.70	7.20	35.59			
AV	4.90382G	32.59	54.00	-21.41	28.26	3	Horizontal	75	1.49	-	32.72	7.20	35.59			
PK	7.35326G	51.30	74.00	-22.70	40.69	3	Horizontal	322	1.49	-	36.69	8.62	34.70			
AV	7.36026G	38.02	54.00	-15.98	27.40	3	Horizontal	322	1.49	-	36.68	8.62	34.68			