



RADIO TEST REPORT

FCC ID : RSL-TQ3403
Equipment : IEEE802.11ax Tri-radio 2.4G/5G/6GHz 2x2+2x2+2x2+ Wi-Fi6E Wireless Access Points
Brand Name : Allied Telesis
Model Name : AT-TQ3403
Applicant : Allied Telesis K.K.
2nd. TOC Bldg.7-21-11 Nishi-Gotanda, Shinagawa-ku Tokyo
141-0031 Japan
Manufacturer : Allied Telesis K.K.
2nd. TOC Bldg.7-21-11 Nishi-Gotanda, Shinagawa-ku Tokyo
141-0031 Japan
Standard : 47 CFR FCC Part 15.247

The product was received on May 20, 2024, and testing was started from May 20, 2024 and completed on Oct. 14, 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.)



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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 33
Issued Date : Dec. 05, 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	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	802.11n HT40-BF	40	2TX
2.4-2.4835GHz	VHT40	40	2TX
2.4-2.4835GHz	VHT40-BF	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

Note:

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

**1.1.2 Antenna Information**

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz, 5GHz	WLAN 6GHz					
1	1	-	WNC	95XPAD15.GBA	PIFA Antenna	I-PEX	Note1
2	2	-	WNC	95XPAD15.GBB	PIFA Antenna	I-PEX	
3	-	2	WNC	95XPAD15.GBD	PIFA Antenna	I-PEX	
4	-	1	WNC	95XPAD15.GBC	PIFA Antenna	I-PEX	

Note 1:

Ant.	Antenna Gain (dBi)								
	2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3	6GHz UNII 5	6GHz UNII 6	6GHz UNII 7	6GHz UNII 8
1	3.46	4.98	5.56	5.38	5.94	-	-	-	-
2	3.34	5.21	5.68	5.63	5.71	-	-	-	-
3	-	-	-	-	-	5.95	5.62	6.38	6.50
4	-	-	-	-	-	6.04	5.81	5.99	6.34

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

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

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

Where ;

$$2.4G \ G1 = 3.46 \text{ dBi} ; G2 = 3.34 \text{ dBi} ;$$

$$5G \ UNII-1 \ G1 = 4.98 \text{ dBi} ; G2 = 5.21 \text{ dBi} ;$$

$$5G \ UNII-2A \ G1 = 5.56 \text{ dBi} ; G2 = 5.68 \text{ dBi} ;$$

$$5G \ UNII-2C \ G1 = 5.38 \text{ dBi} ; G2 = 5.63 \text{ dBi} ;$$

$$5G \ UNII-3 \ G1 = 5.94 \text{ dBi} ; G2 = 5.71 \text{ dBi} ;$$

$$6G \ UNII-5 \ G1 = 5.95 \text{ dBi} ; G2 = 6.04 \text{ dBi} ;$$

$$6G \ UNII-6 \ G1 = 5.62 \text{ dBi} ; G2 = 5.81 \text{ dBi} ;$$

$$6G \ UNII-7 \ G1 = 6.38 \text{ dBi} ; G2 = 5.99 \text{ dBi} ;$$

$$6G \ UNII-8 \ G1 = 6.50 \text{ dBi} ; G2 = 6.34 \text{ dBi} ;$$

$$2.4G \ DG = 6.41 \text{ dBi}$$

$$5G \ UNII-1 \ DG = 8.11 \text{ dBi}$$

$$5G \ UNII-2A \ DG = 8.63 \text{ dBi}$$

$$5G \ UNII-2C \ DG = 8.52 \text{ dB}$$

$$5G \ UNII-3 \ DG = 8.83 \text{ dBi}$$

$$6G \ UNII-5 \ DG = 9.01 \text{ dBi}$$

$$6G \ UNII-6 \ DG = 8.73 \text{ dBi}$$

$$6G \ UNII-7 \ DG = 9.20 \text{ dBi}$$

$$6G \ UNII-8 \ DG = 9.43 \text{ dBi}$$

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

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

Port 1, Port 2 could transmit/receive simultaneously.

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

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

Port 1, Port 2 could transmit/receive simultaneously.

For 6GHz function:**For IEEE 802.11ax mode (2TX/2RX)**

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

Port 1, Port 2 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)	0.862	0.64	693.75u	3k
802.11g_Nss 1,(6D)	0.993	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20_Nss 1,(M0)	0.972	0.12	5.448m	300
802.11ax HEW40_Nss 1,(M0)	0.969	0.14	5.448m	300
802.11ax HEW20-BF_Nss 1,(M0)	0.972	0.12	5.448m	300
802.11ax HEW40-BF_Nss 1,(M0)	0.969	0.14	5.448m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter or PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax in 5GHz and ax in 6GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	QSPR V5.0-00202			

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Lee	23.6~25.3 / 60~65	May 23, 2024~ Aug. 14, 2024
Radiated (Below 1GHz)	03CH06-CB	Jackson Peng	21.9-22.4 / 55-58	Oct. 07, 2024
Radiated (Above 1GHz)	03CH01-CB	Jackson Peng	21.6-22.7 / 56-59	May 20, 2024~ Aug. 16, 2024
	03CH02-CB		21.8-22.9 / 55-59	
	03CH06-CB		21.9-22.4 / 55-58	
Radiated (Co-location)	03CH05-CB	Jackson Peng	22.1-23.2 / 53-56	Oct. 09, 2024
AC Conduction	CO02-CB	Joe Chu	23~24 / 61~62	Oct. 14, 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 Date: Date Before May 28, 2024

Test Items	Uncertainty	Remark
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%

Test Date: Date After May 27, 2024

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 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	2.1 %	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
2437MHz
2462MHz
802.11ax HEW20_Nss1,(MCS0)_2TX
2412MHz
2417MHz
2437MHz
2462MHz
802.11ax HEW40_Nss1,(MCS0)_2TX
2422MHz
2437MHz
2452MHz
802.11ax HEW20-BF_Nss1,(MCS0)_2TX
2412MHz
2417MHz
2437MHz
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 beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
For WLAN 2.4GHz, 5GHz: After evaluating, the worst case was found at X axis for Radiated above 1GHz. So the measurement will follow this same test configuration. For WLAN 6GHz: After evaluating, the worst case was found at Z axis for Radiated above 1GHz. So the measurement will follow this same test configuration.	
1	EUT in X axis + WLAN 2.4GHz + Adapter
2	EUT in X axis + WLAN 2.4GHz + PoE
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 ~ 4 will follow this same test mode.	
3	EUT in X axis + WLAN 5GHz + Adapter
4	EUT in Z axis + WLAN 6GHz + Adapter
For operating mode 1 is the worst case and it was record in this test report.	



Operating Mode > 1GHz	CTX
After evaluating, and the worst case was found at X axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in X axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
After evaluating, and the worst case was found at X axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in X axis + WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT + WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz
Refer to Sporton Test Report No.: FA462620 for Co-location RF Exposure Evaluation.	

Note: The adapter and PoE are for measurement only, would not be marketed.

The information of adapter and PoE as below:

Power	Brand Name	Model Name
Adapter	APD	DA-48Z12
PoE	PHIHONG	POE60U-1BT-X

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Wall-mounted rack*1



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Flash disk3.0	Transcend	JetFlash-700	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	6G device	Allied Telesis	AT-TQ3403	N/A
E	6G device NB	DELL	E6430	TX2-RTL8821CE
F	LAN PC	ASUS	S300TA	N/A
-	Adapter	APD	DA-48Z12	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
C	Adapter	APD	DA-48Z12	N/A

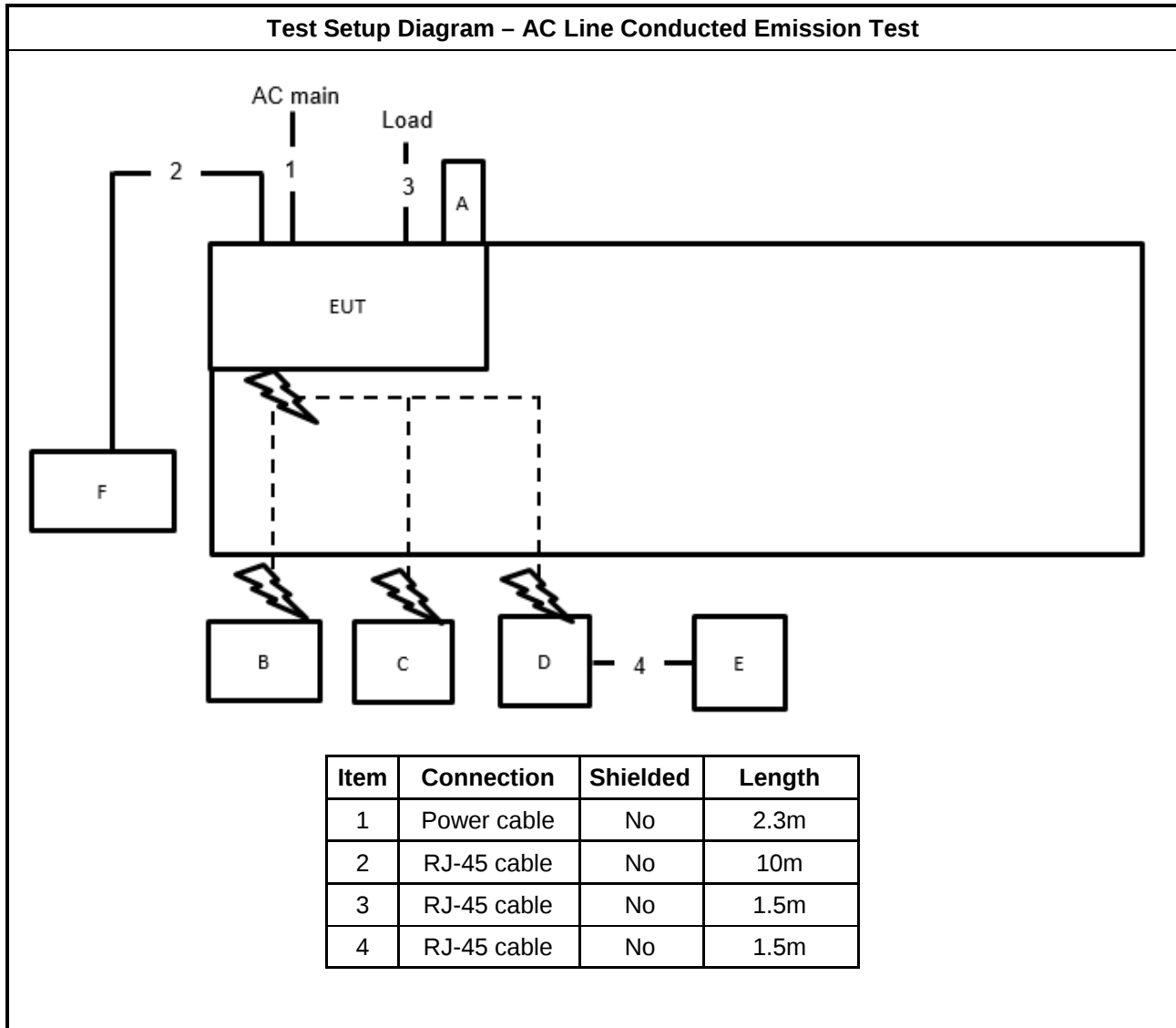
For Radiated (above 1GHz):

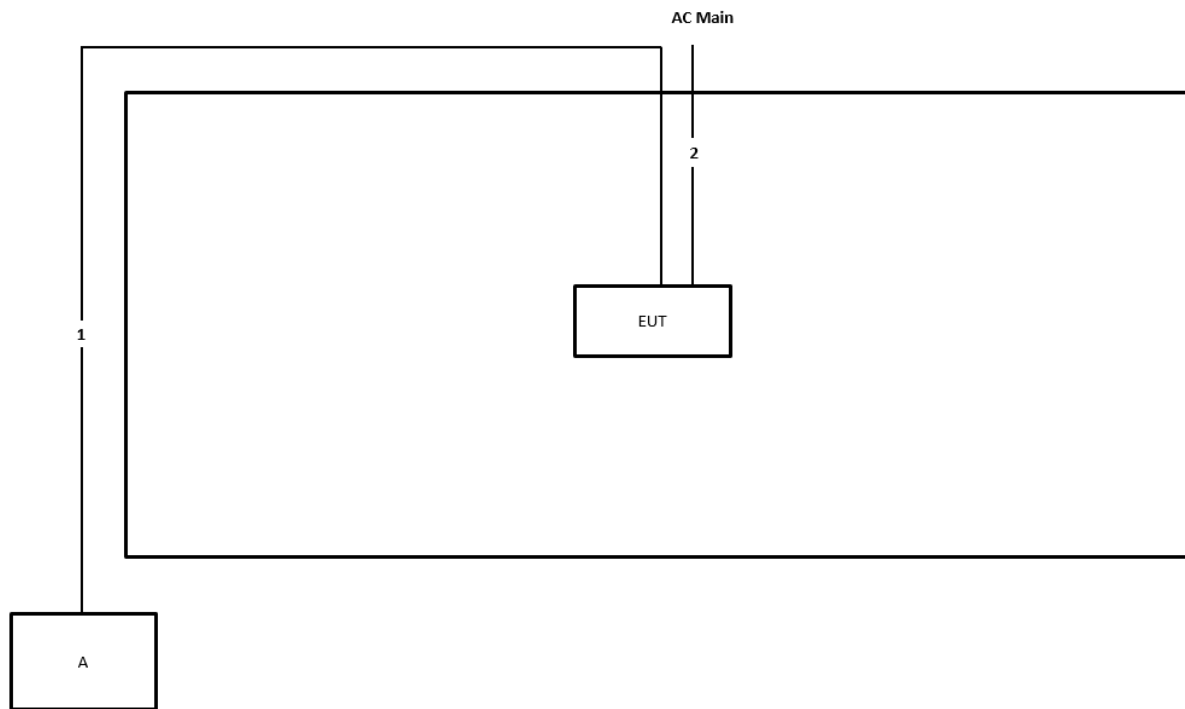
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	PHIHONG	POE60U-1BT-X	N/A

For RF Conducted:

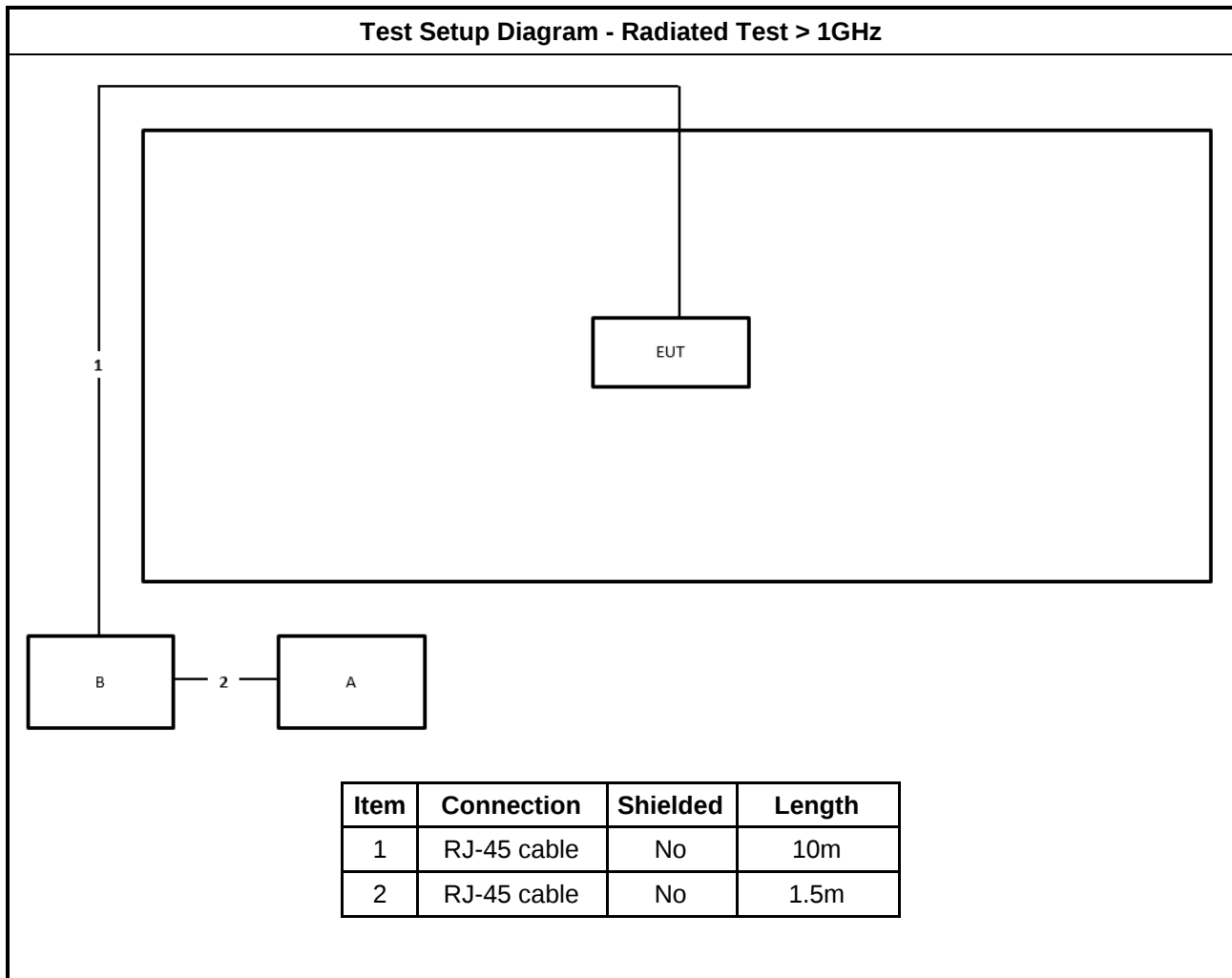
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Adapter	APD	DA-48Z12	N/A

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	2.3m

Test Setup Diagram - Radiated Test > 1GHz




3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

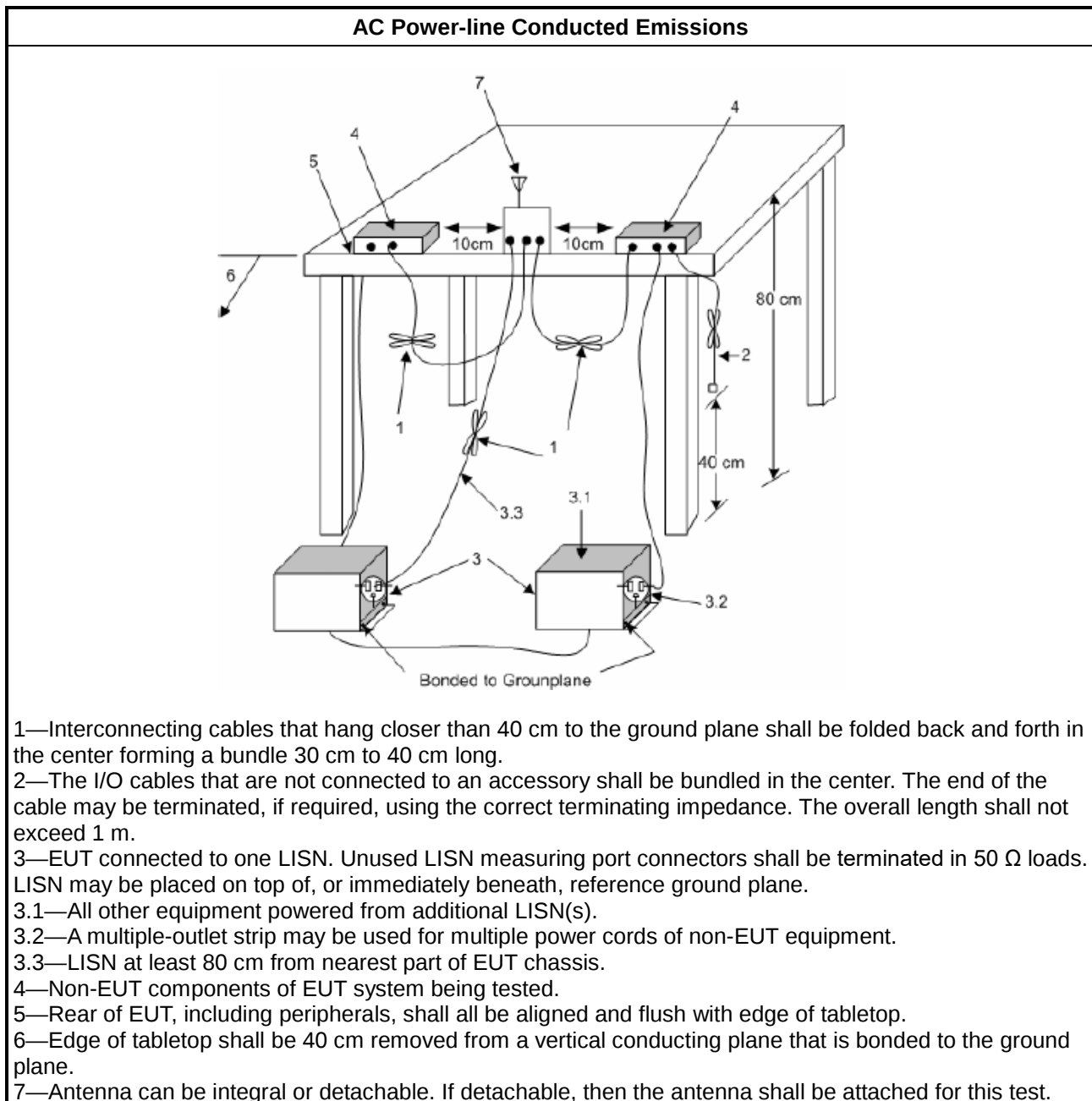
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

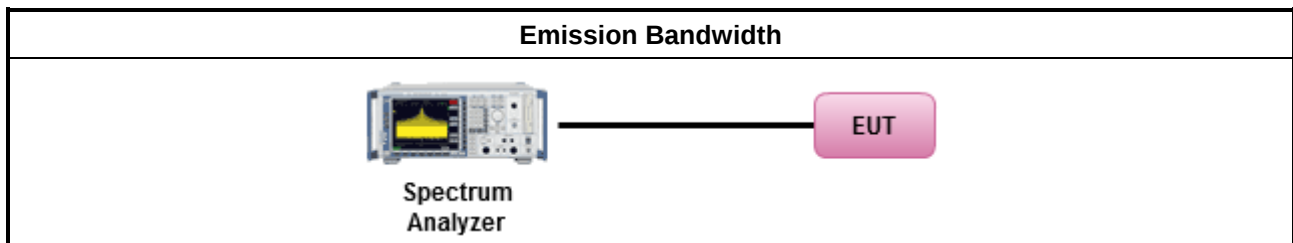
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

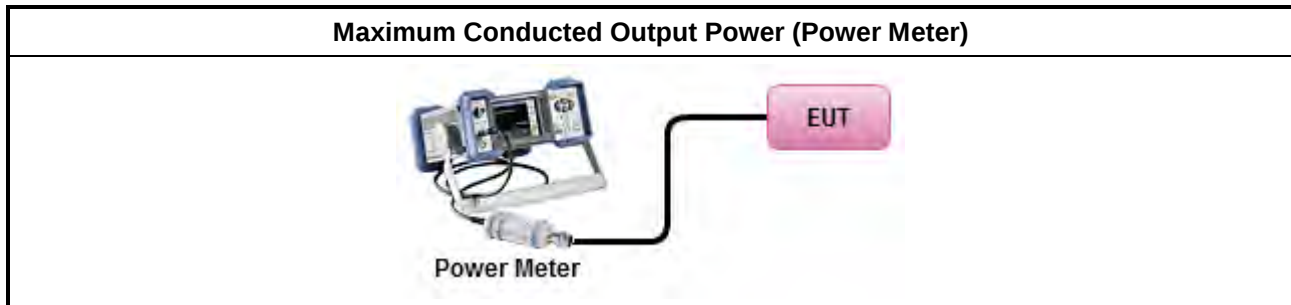
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

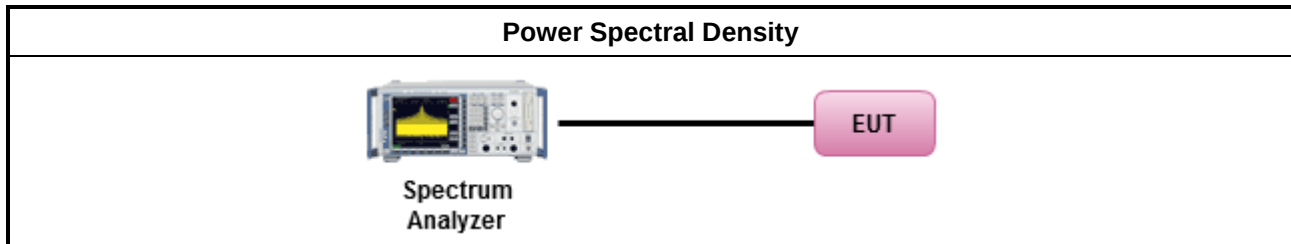
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

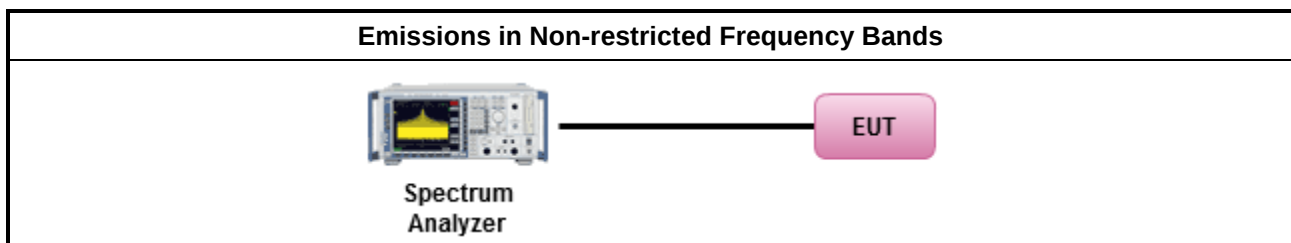
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

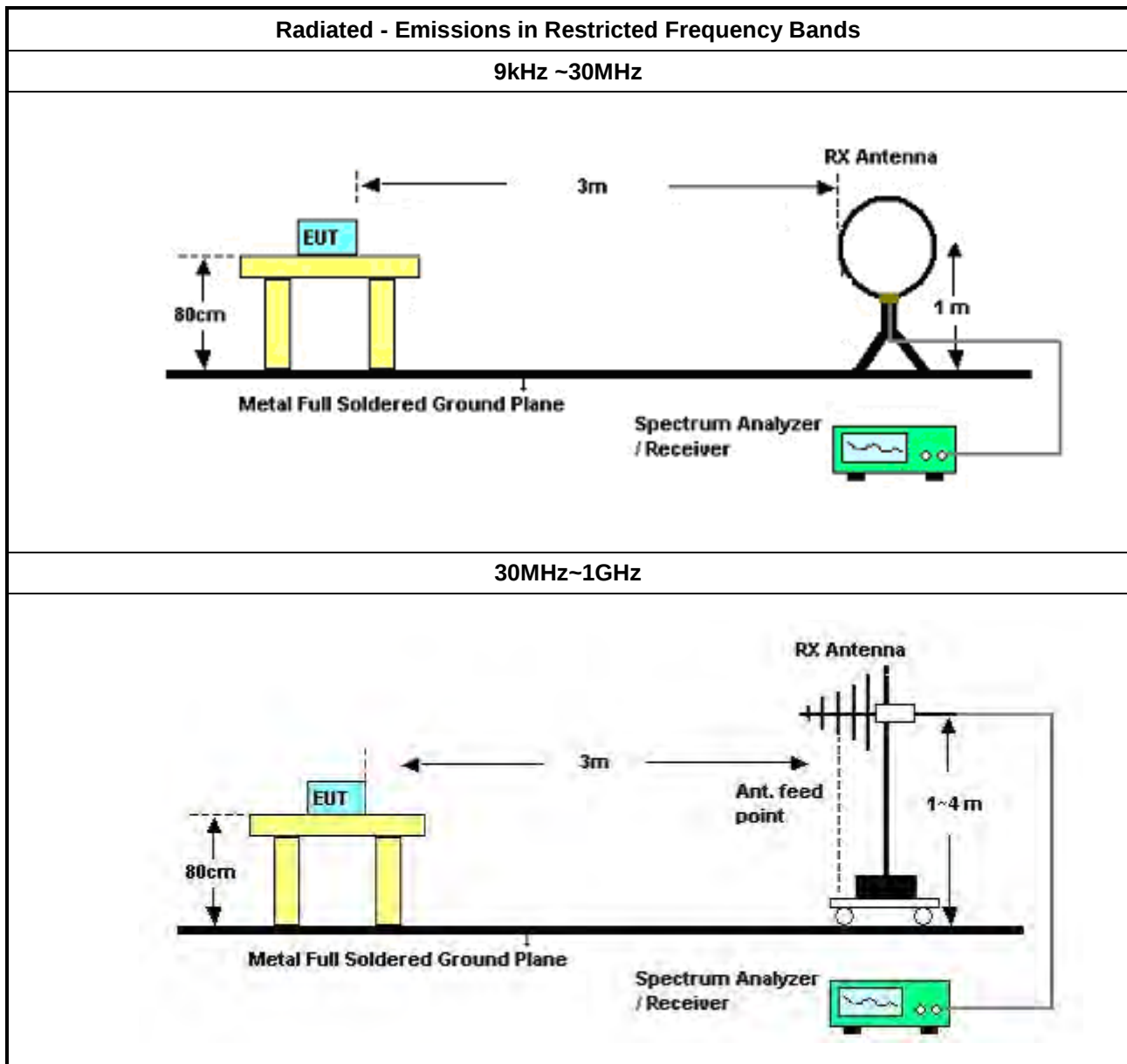
3.6.2 Measuring Instruments

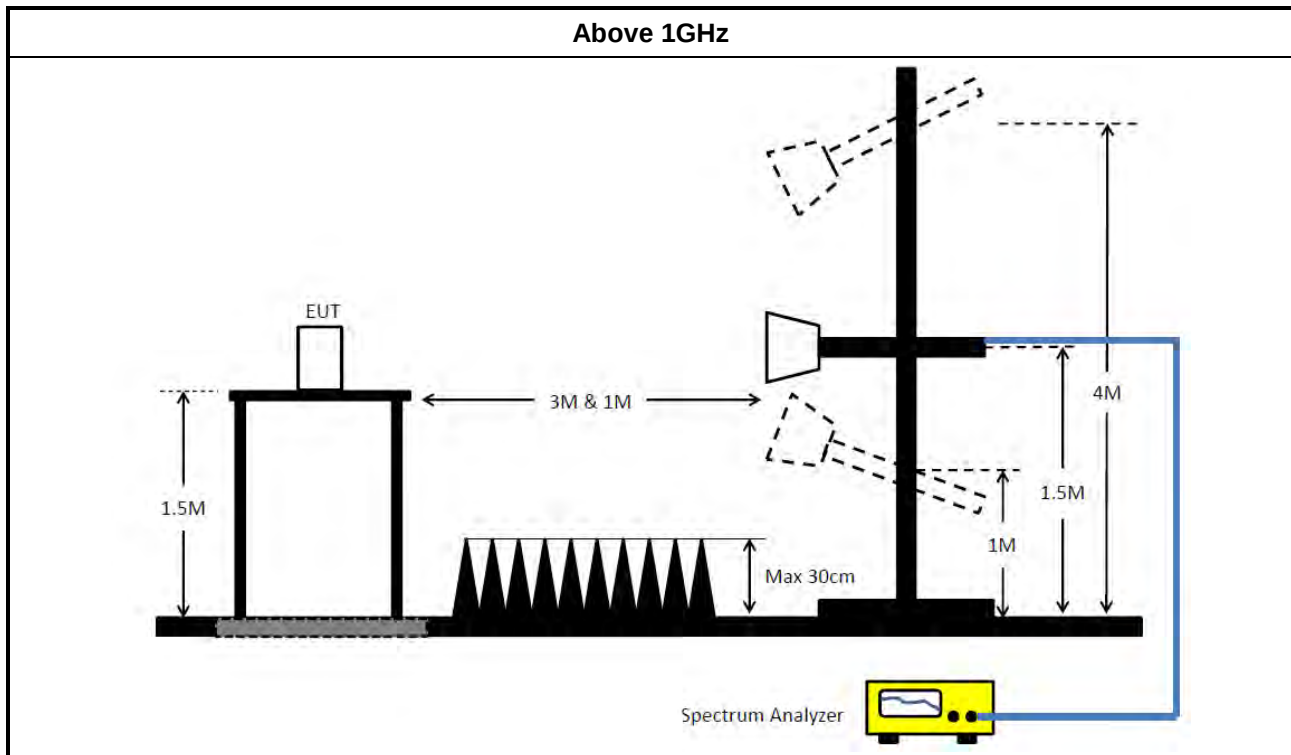
Refer a test equipment and calibration data table in this test report.

**3.6.3 Test Procedures**

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

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Apr. 15, 2024	Apr. 14, 2025	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 29, 2023	Dec. 28, 2024	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 15, 2024	May 14, 2025	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO02-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 04, 2024	May 03, 2025	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120D-01816	1GHz~18GHz	Dec. 20, 2023	Dec. 19, 2024	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA917025 2	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 17, 2024	May 16, 2025	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 28, 2023	Nov. 27, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-15247 _DTS	V5.11.18	2.4GHz- 2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 12, 2024	Apr. 11, 2025	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA917025 2	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Jul. 24, 2023	Jul. 23, 2024	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Jun. 11, 2024	Jun. 10, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-15247_DTS	V5.11.18	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 28, 2024	Sep. 27, 2025	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA917050 7	15GHz ~ 40GHz	Jul. 09, 2024	Jul. 08, 2025	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 17, 2024	Apr. 16, 2025	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-15247_DTS	V5.11.18	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 02, 2024	Aug. 01, 2025	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 09, 2023	Oct. 08, 2024	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 31, 2023	Jul. 30, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA917025 2	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 03, 2023	Nov. 02, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2024	Apr. 25, 2025	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 20, 2023	Oct. 19, 2024	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-15247 _DTS	V5.11.18	2.4GHz- 2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 29, 2023	May 28, 2024	Conducted (TH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2024	May 26, 2025	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Mar. 01, 2024	Feb. 28, 2025	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Mar. 04, 2024	Mar. 03, 2025	Conducted (TH01-CB)
Test Software	SPORTON	SENSE-15247 _DTS	V5.11.18	2.4GHz- 2.4835GHz	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

NCR means Non-Calibration required.



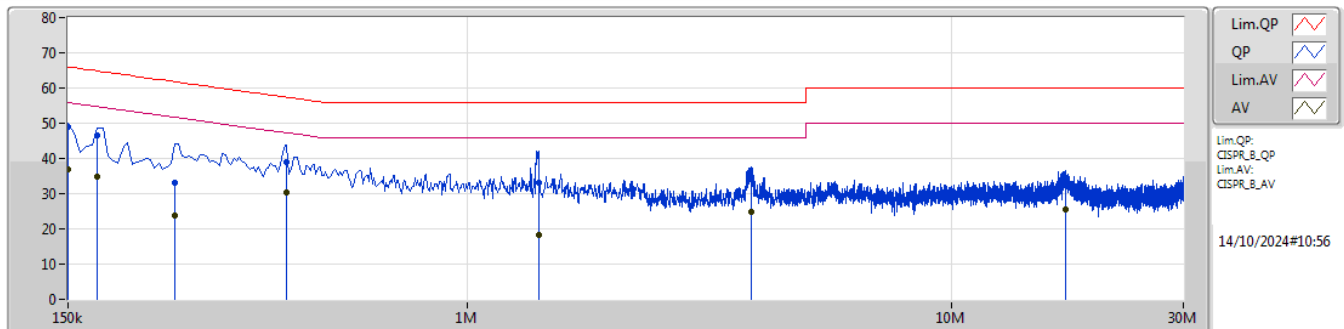
Conducted Emissions at Powerline

Appendix A

Summary

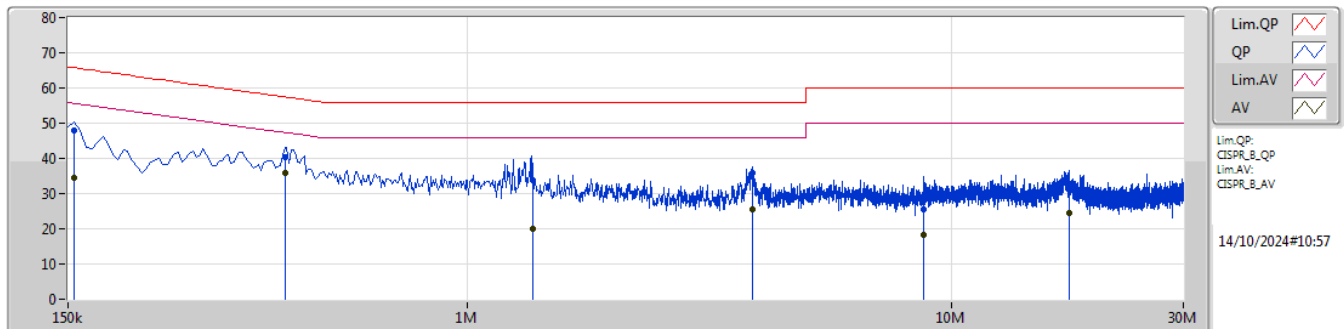
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	420k	35.96	47.45	-11.49	Neutral

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	48.94	66.00	-17.06	10.09	Line	"Worst"	38.85	0.05	0.03	10.01						
AV	150k	36.79	56.00	-19.21	10.09	Line	-	26.70	0.05	0.03	10.01						
QP	172.5k	46.60	64.83	-18.23	10.08	Line	-	36.52	0.05	0.03	10.00						
AV	172.5k	34.99	54.83	-19.84	10.08	Line	-	24.91	0.05	0.03	10.00						
QP	249k	32.95	61.79	-28.84	10.07	Line	-	22.88	0.05	0.03	9.99						
AV	249k	23.77	51.79	-28.02	10.07	Line	-	13.70	0.05	0.03	9.99						
QP	424.5k	38.84	57.36	-18.52	10.08	Line	-	28.76	0.05	0.03	10.00						
AV	424.5k	30.18	47.36	-17.18	10.08	Line	-	20.10	0.05	0.03	10.00						
QP	1.401M	33.22	56.00	-22.78	10.11	Line	-	23.11	0.08	0.05	9.98						
AV	1.401M	18.40	46.00	-27.60	10.11	Line	-	8.29	0.08	0.05	9.98						
QP	3.854M	34.77	56.00	-21.23	10.13	Line	-	24.64	0.12	0.12	9.89						
AV	3.854M	24.67	46.00	-21.33	10.13	Line	-	14.54	0.12	0.12	9.89						
QP	17.129M	32.39	60.00	-27.61	10.43	Line	-	21.96	0.36	0.16	9.91						
AV	17.129M	25.53	50.00	-24.47	10.43	Line	-	15.10	0.36	0.16	9.91						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.5k	47.80	65.75	-17.95	10.09	Neutral	-	37.71	0.05	0.03	10.01						
AV	154.5k	34.50	55.75	-21.25	10.09	Neutral	-	24.41	0.05	0.03	10.01						
QP	420k	40.40	57.45	-17.05	10.08	Neutral	-	30.32	0.05	0.03	10.00						
AV	420k	35.96	47.45	-11.49	10.08	Neutral	"Worst"	25.88	0.05	0.03	10.00						
QP	1.361M	33.81	56.00	-22.19	10.10	Neutral	-	23.71	0.07	0.05	9.98						
AV	1.361M	20.05	46.00	-25.95	10.10	Neutral	-	9.95	0.07	0.05	9.98						
QP	3.867M	35.70	56.00	-20.30	10.12	Neutral	-	25.58	0.11	0.12	9.89						
AV	3.867M	25.35	46.00	-20.65	10.12	Neutral	-	15.23	0.11	0.12	9.89						
QP	8.718M	25.54	60.00	-34.46	10.31	Neutral	-	15.23	0.19	0.13	9.99						
AV	8.718M	18.21	50.00	-31.79	10.31	Neutral	-	7.90	0.19	0.13	9.99						
QP	17.412M	31.10	60.00	-28.90	10.33	Neutral	-	20.77	0.25	0.17	9.91						
AV	17.412M	24.63	50.00	-25.37	10.33	Neutral	-	14.30	0.25	0.17	9.91						

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	8.55M	13.043M	13M0G1D	7.05M	12.924M
802.11g_Nss1,(6Mbps)_2TX	16M	16.543M	16M5D1D	6.275M	16.25M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.7M	19.026M	19M0D1D	5.75M	18.791M
802.11ax HEW40_Nss1,(MCS0)_2TX	34.95M	37.565M	37M6D1D	27.85M	37.423M

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

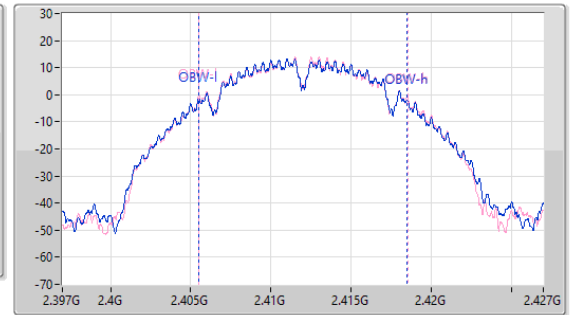
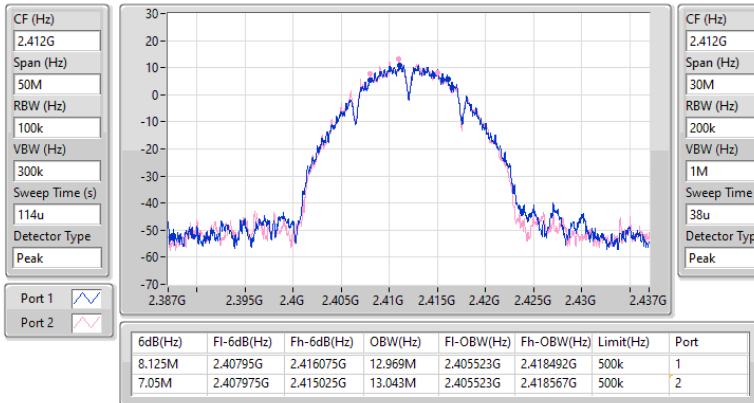
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.125M	12.969M	7.05M	13.043M
2437MHz	Pass	500k	8.1M	12.924M	7.55M	13.043M
2462MHz	Pass	500k	8.55M	12.939M	7.95M	12.999M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.3M	16.272M	16M	16.25M
2437MHz	Pass	500k	13.875M	16.543M	6.275M	16.31M
2462MHz	Pass	500k	15.4M	16.316M	15.05M	16.316M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.45M	18.891M	18.05M	18.816M
2437MHz	Pass	500k	5.75M	19.026M	18.7M	18.953M
2462MHz	Pass	500k	16M	18.791M	17.825M	18.816M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	27.85M	37.431M	34.05M	37.481M
2437MHz	Pass	500k	34.95M	37.565M	32.9M	37.423M
2452MHz	Pass	500k	34.45M	37.531M	33.15M	37.431M

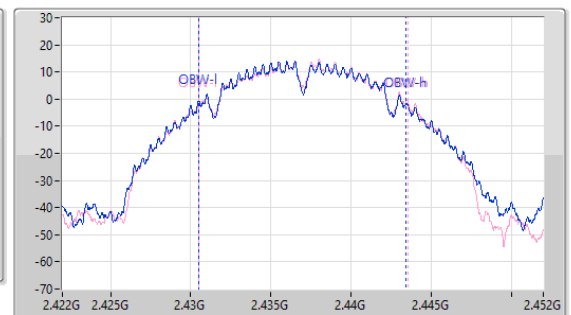
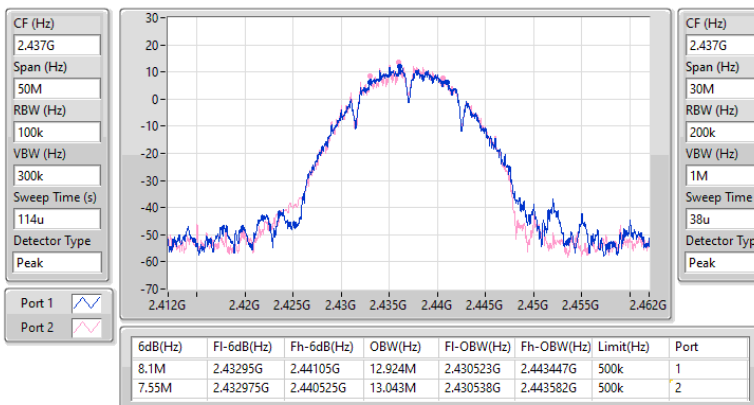
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

23/05/2024


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

23/05/2024

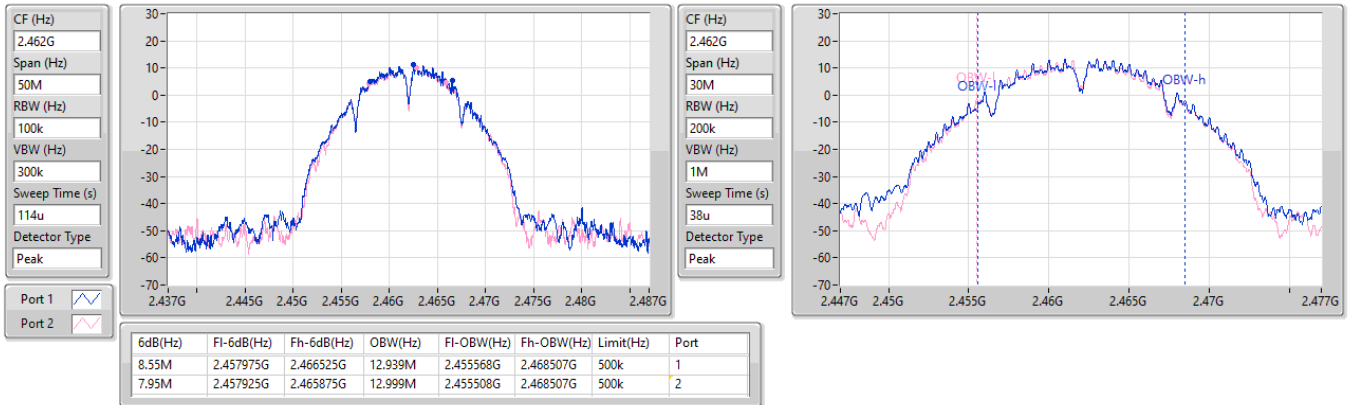


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

23/05/2024

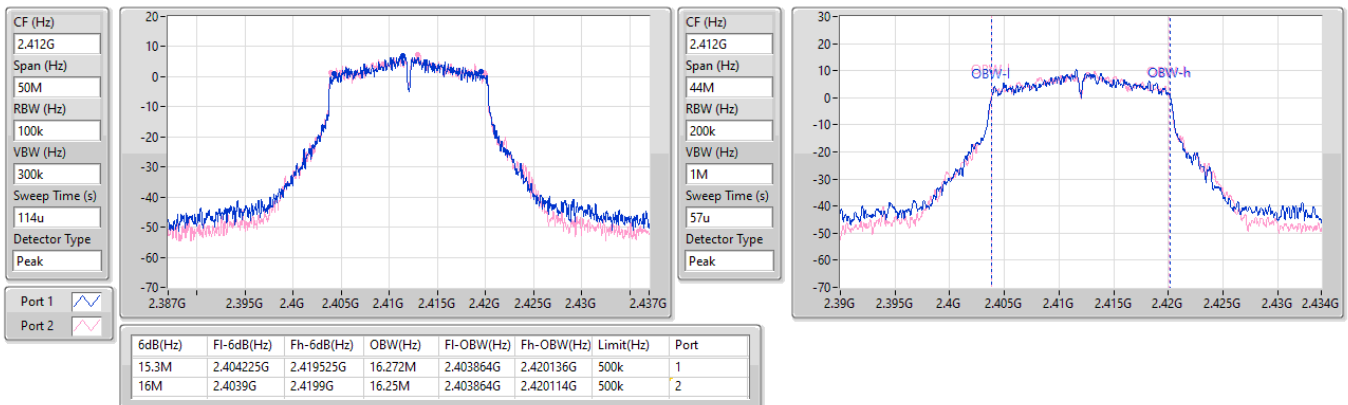


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

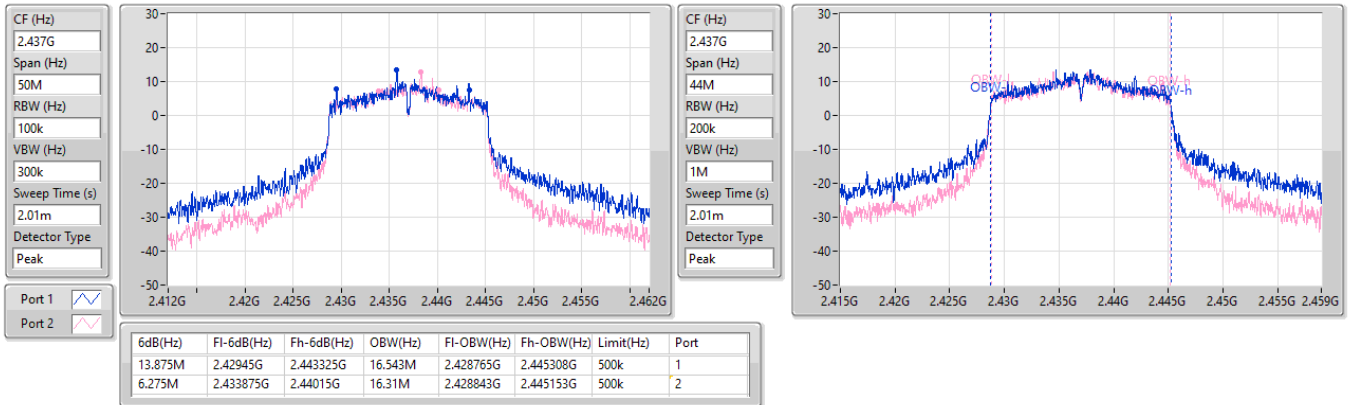
2412MHz

23/05/2024

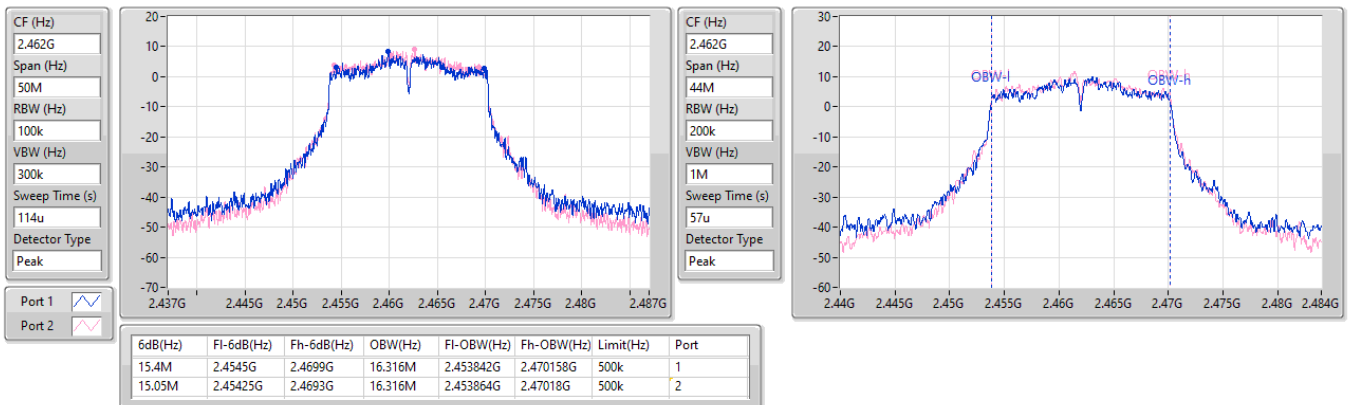


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

13/08/2024


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

23/05/2024

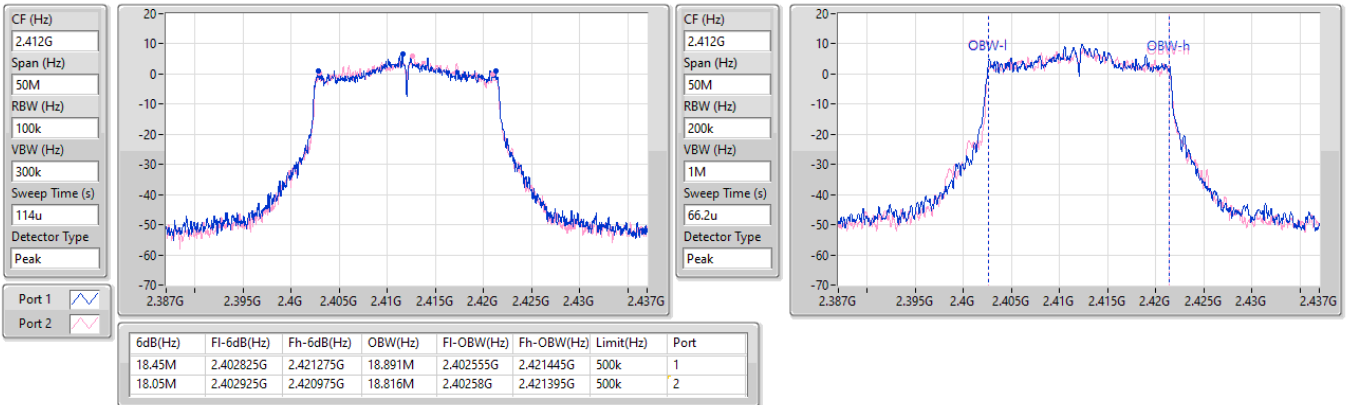


2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

23/05/2024

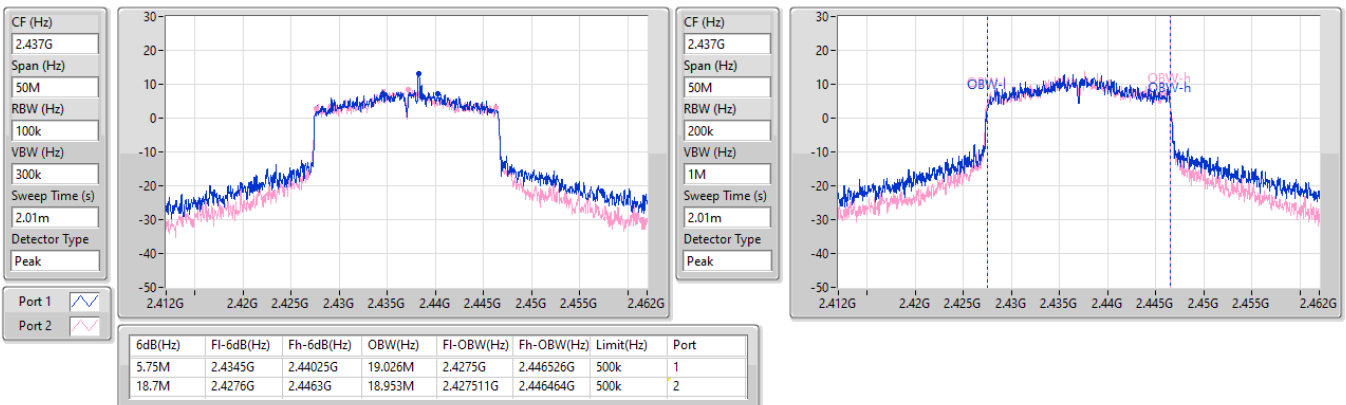


2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

13/08/2024

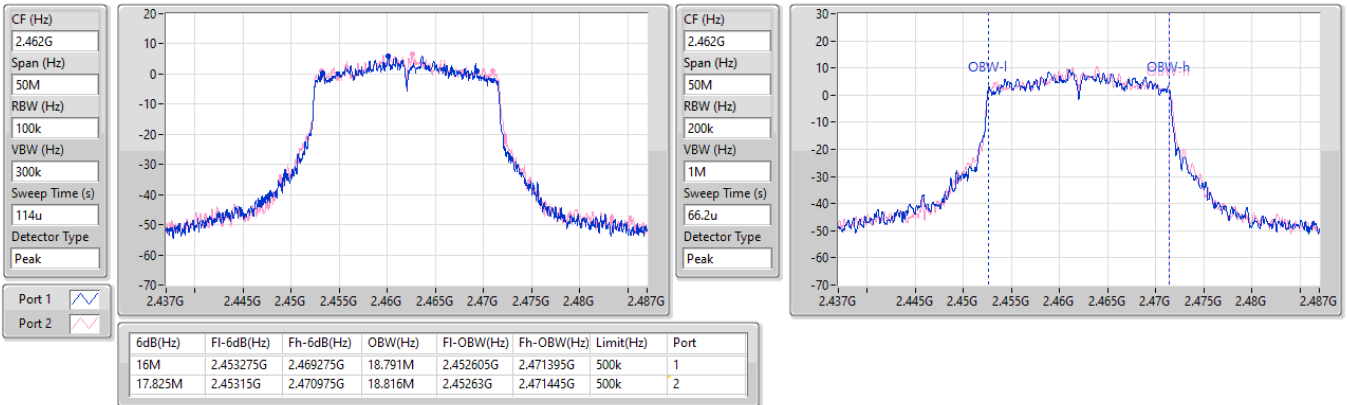


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

23/05/2024

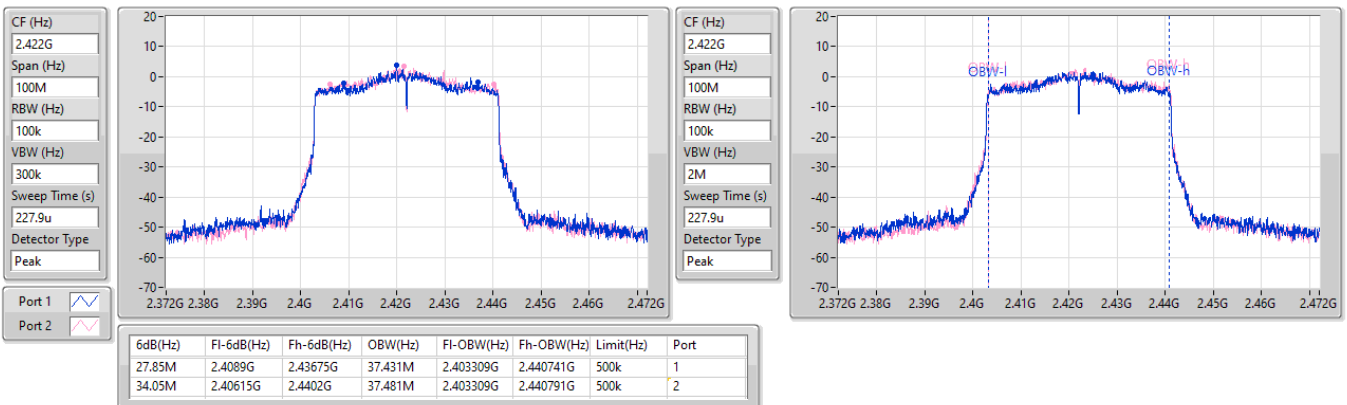


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2422MHz

23/05/2024

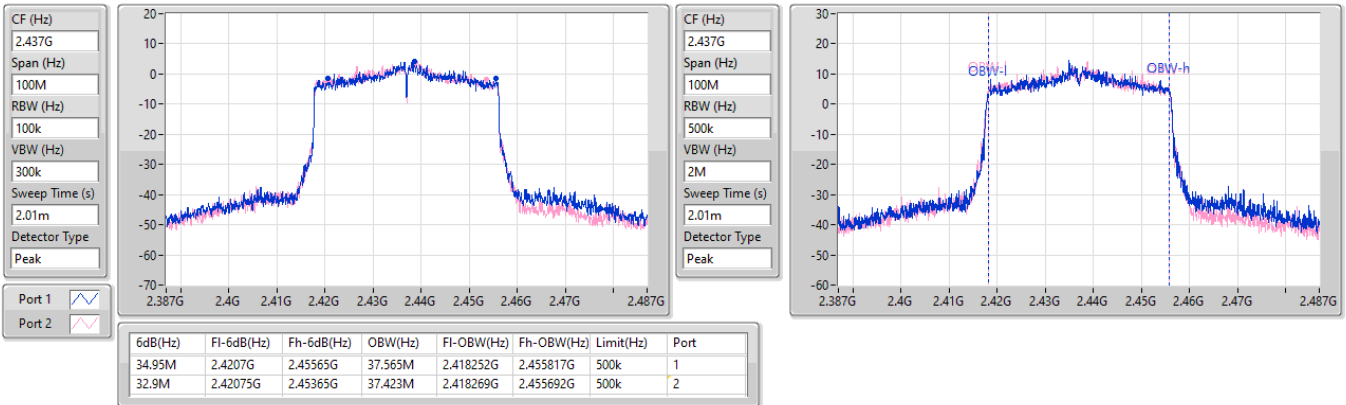


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

13/08/2024

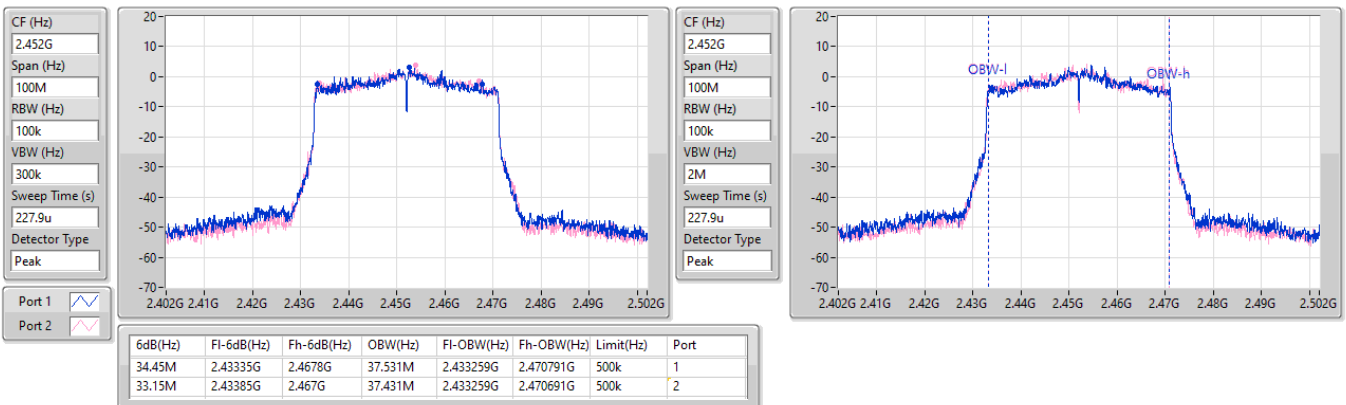


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

23/05/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.81	0.30269
802.11g_Nss1,(6Mbps)_2TX	25.38	0.34514
802.11ax HEW20_Nss1,(MCS0)_2TX	25.29	0.33806
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	25.29	0.33806
802.11ax HEW40_Nss1,(MCS0)_2TX	22.80	0.19055
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.80	0.19055

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.46	21.01	21.2	24.12	30.00
2437MHz	Pass	3.46	21.74	21.85	24.81	30.00
2462MHz	Pass	3.46	21.01	20.52	23.78	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.46	19.55	19.68	22.63	30.00
2437MHz	Pass	3.46	22.59	22.13	25.38	30.00
2462MHz	Pass	3.46	20.04	20.72	23.41	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.46	18.4	18.58	21.50	30.00
2417MHz	Pass	3.46	20.06	20.19	23.14	30.00
2437MHz	Pass	3.46	22.39	22.17	25.29	30.00
2462MHz	Pass	3.46	18.64	19.57	22.14	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.46	18.06	18.58	21.34	30.00
2437MHz	Pass	3.46	19.74	19.84	22.80	30.00
2452MHz	Pass	3.46	18.3	18.67	21.50	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.41	18.4	18.58	21.50	29.59
2417MHz	Pass	6.41	20.06	20.19	23.14	29.59
2437MHz	Pass	6.41	22.39	22.17	25.29	29.59
2462MHz	Pass	6.41	18.64	19.57	22.14	29.59
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.41	18.06	18.58	21.34	29.59
2437MHz	Pass	6.41	19.74	19.84	22.80	29.59
2452MHz	Pass	6.41	18.3	18.67	21.50	29.59

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	0.78
802.11g_Nss1,(6Mbps)_2TX	-1.93
802.11ax HEW20_Nss1,(MCS0)_2TX	-2.26
802.11ax HEW40_Nss1,(MCS0)_2TX	-5.20

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.41	-2.23	-3.11	-0.35	7.59
2437MHz	Pass	6.41	-2.47	-1.80	0.78	7.59
2462MHz	Pass	6.41	-2.81	-4.07	-0.84	7.59
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.41	-7.26	-5.60	-4.30	7.59
2437MHz	Pass	6.41	-3.21	-3.79	-1.93	7.59
2462MHz	Pass	6.41	-5.84	-5.39	-3.45	7.59
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.41	-6.20	-7.23	-5.20	7.59
2437MHz	Pass	6.41	-3.53	-3.47	-2.26	7.59
2462MHz	Pass	6.41	-7.76	-4.86	-4.18	7.59
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.41	-9.97	-8.93	-6.61	7.59
2437MHz	Pass	6.41	-7.06	-7.29	-5.20	7.59
2452MHz	Pass	6.41	-9.58	-9.23	-7.83	7.59

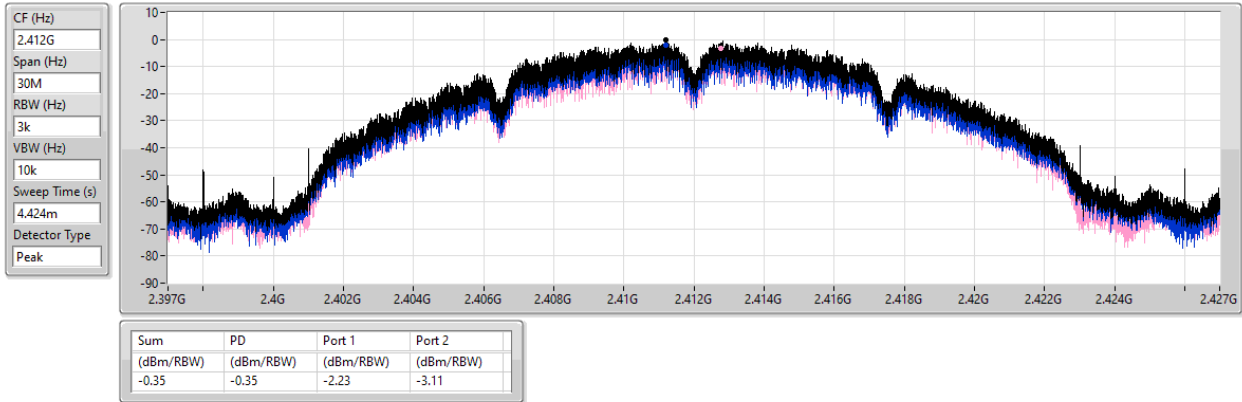
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

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

PSD

2412MHz

23/05/2024

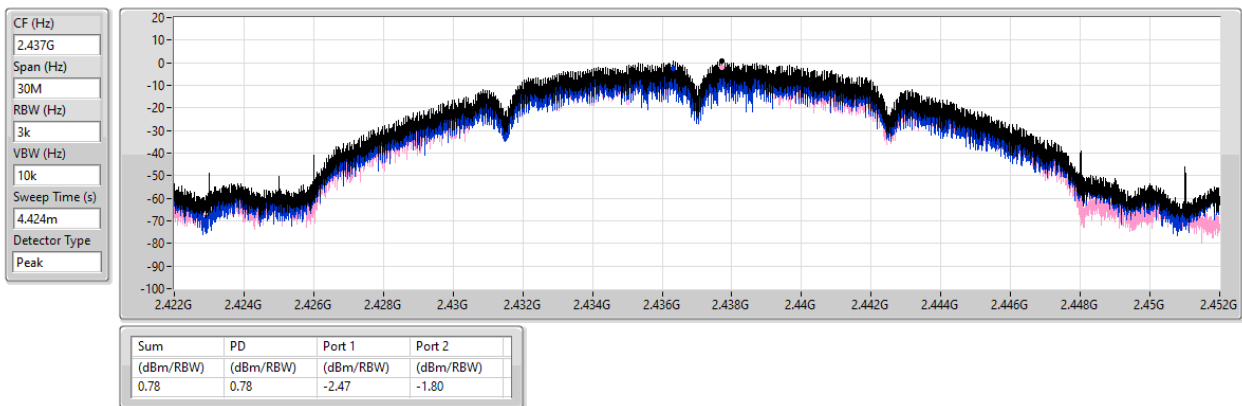


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

23/05/2024

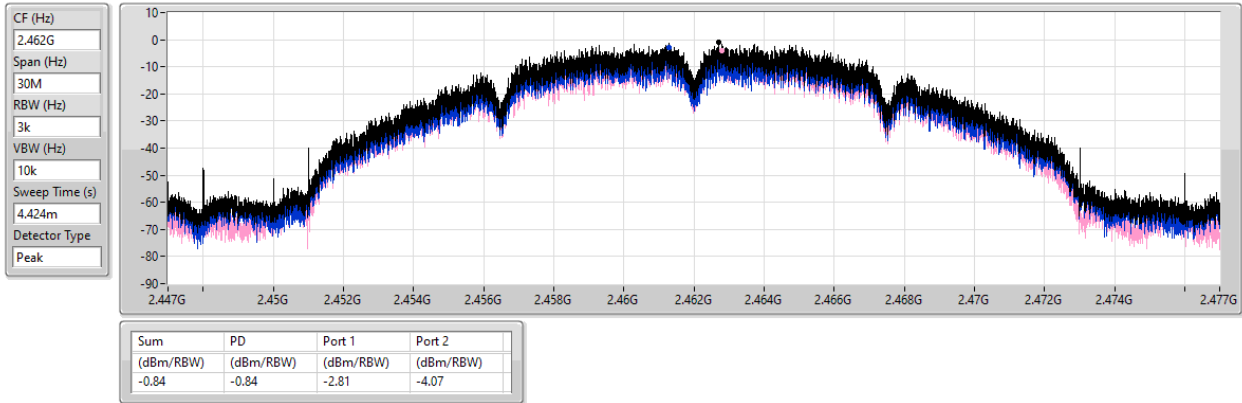


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

23/05/2024

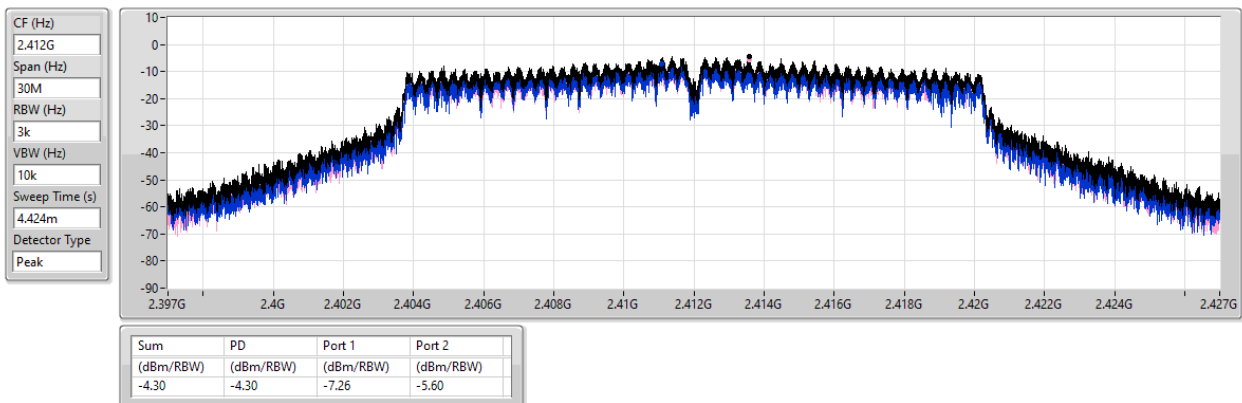


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

23/05/2024

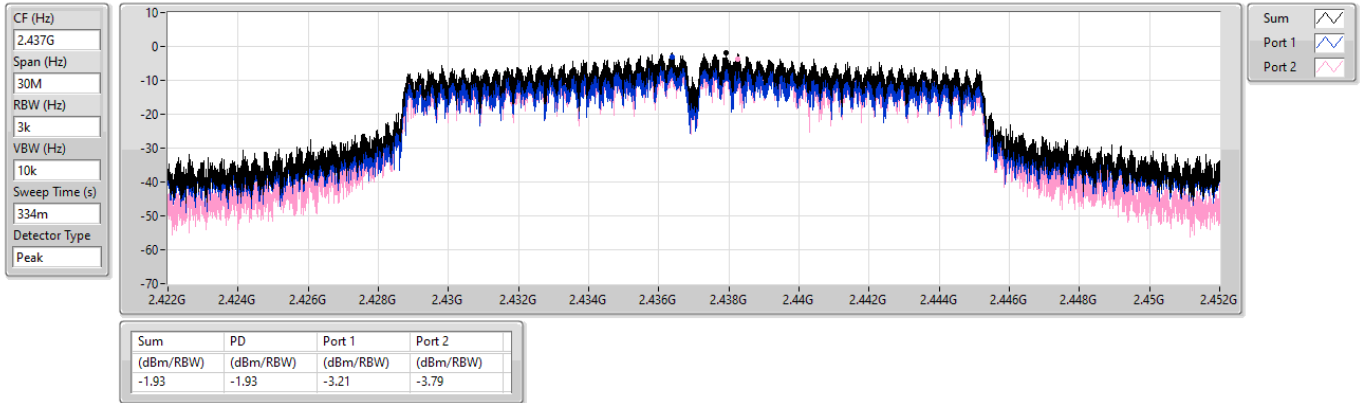


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

13/08/2024

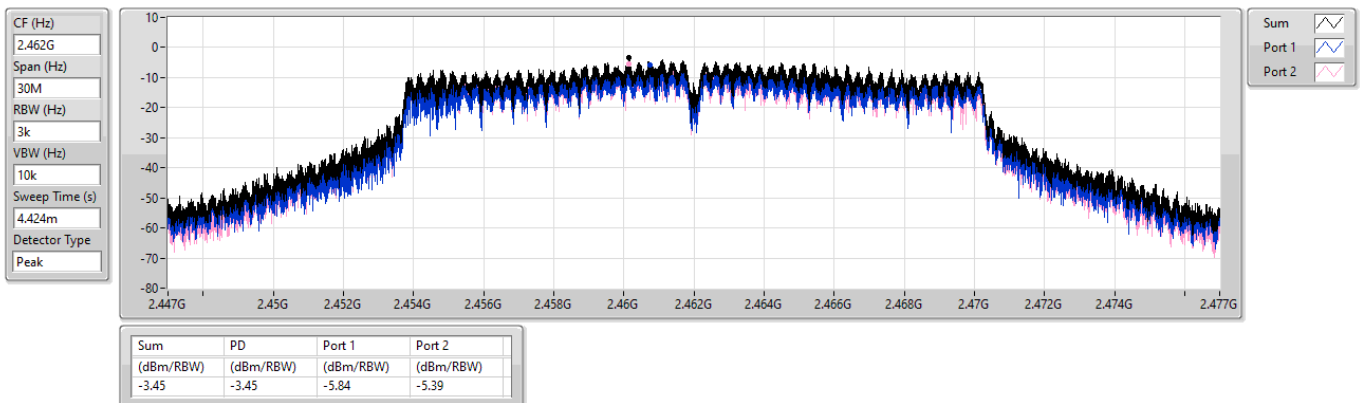


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

23/05/2024

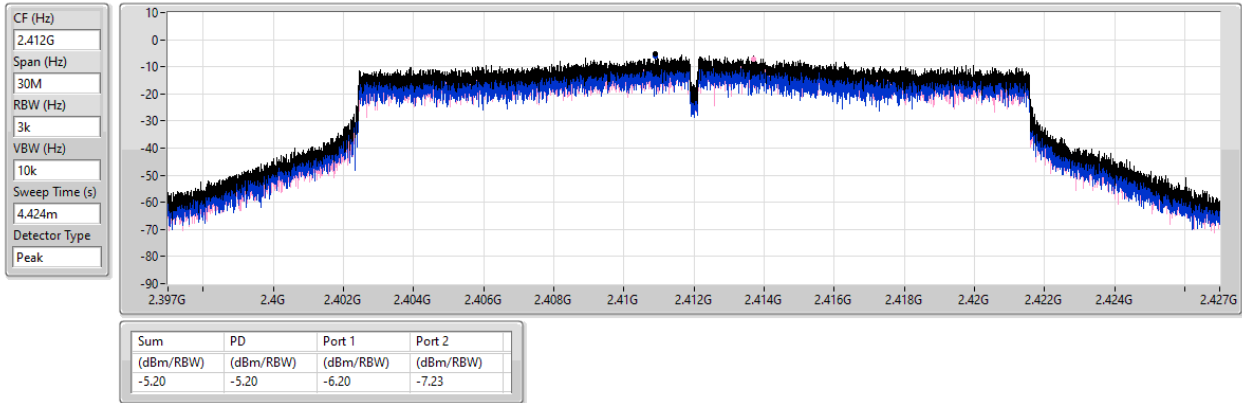


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

23/05/2024

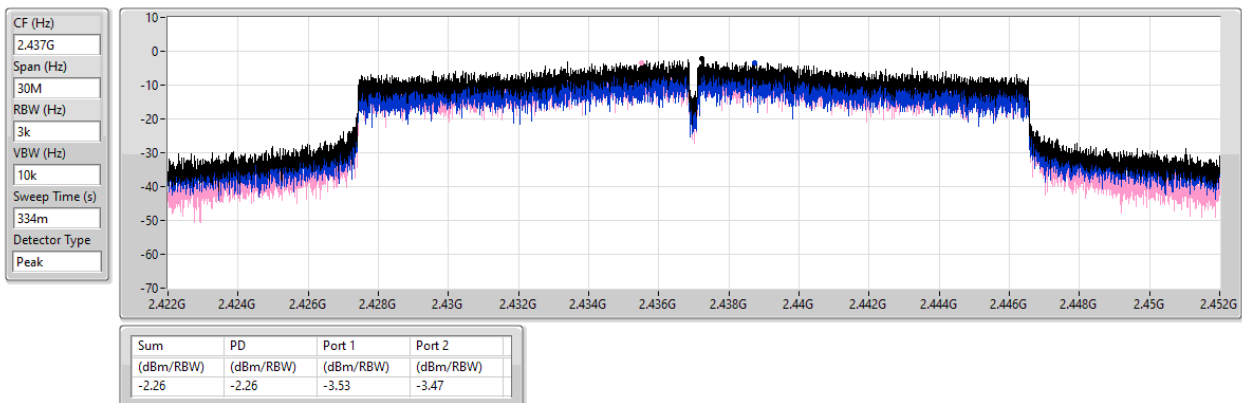


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

13/08/2024

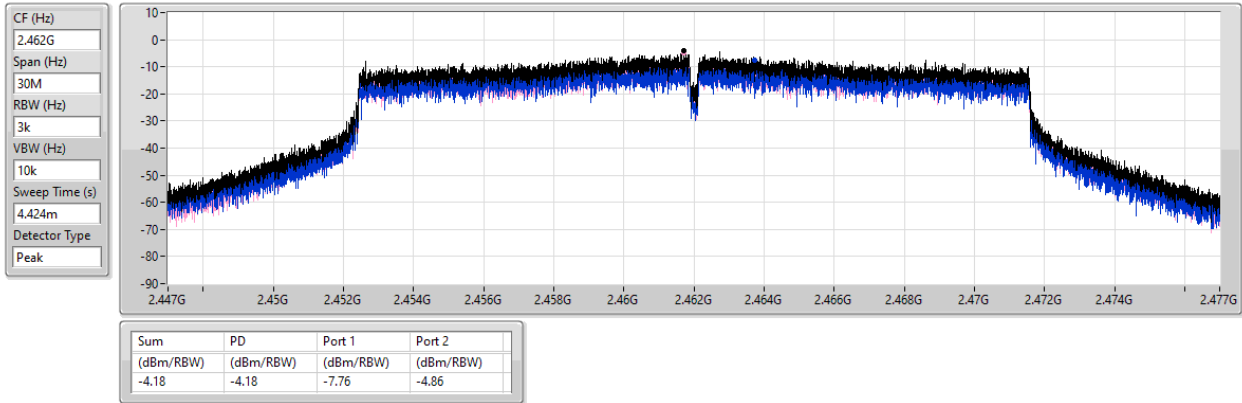


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

23/05/2024

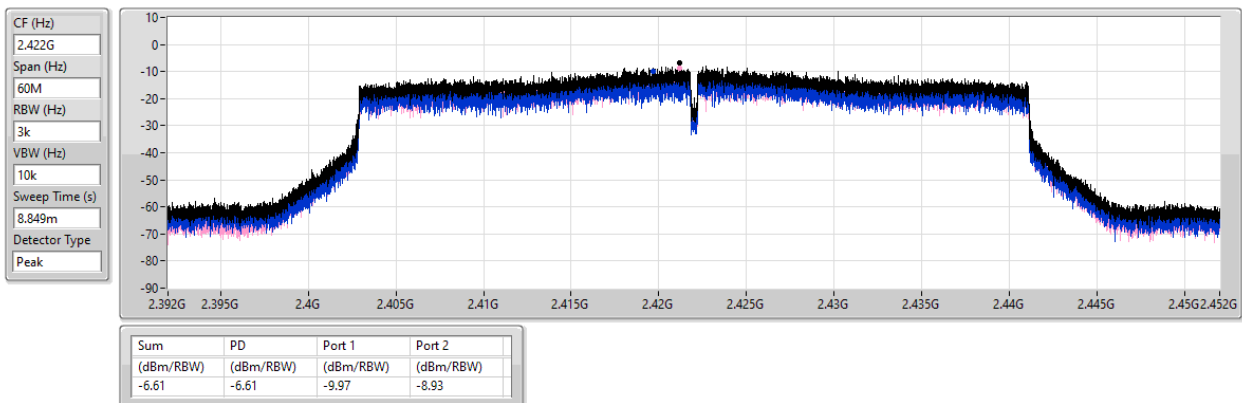


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

23/05/2024

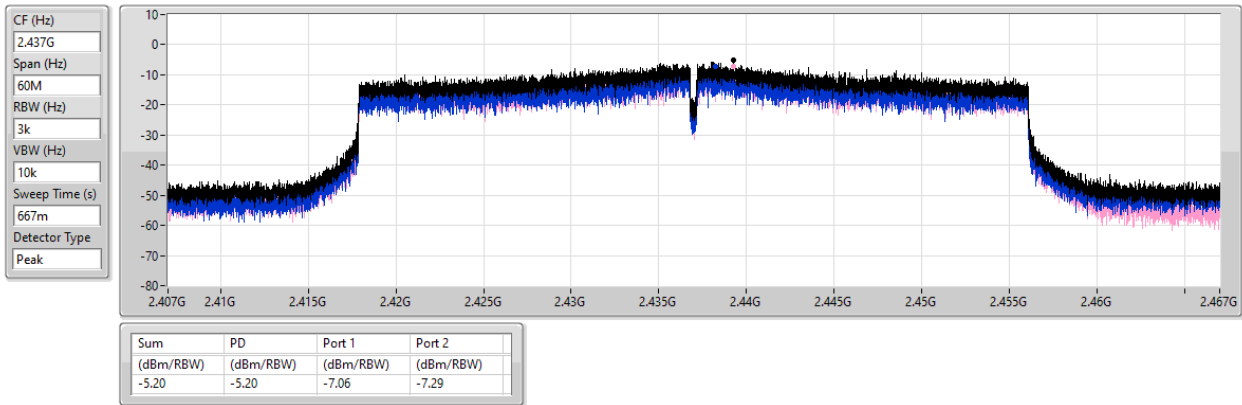


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

13/08/2024

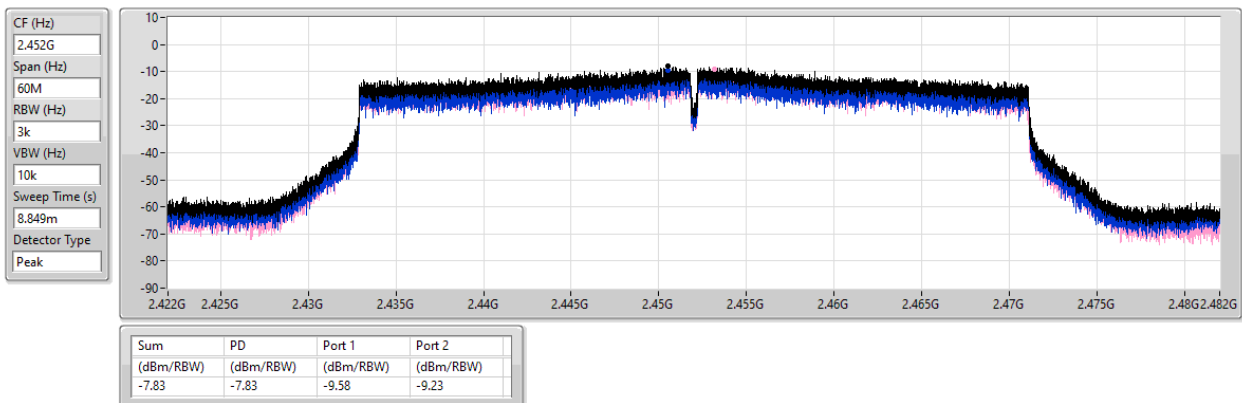


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

23/05/2024





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	2.43791G	13.62	-16.38	951.52M	-52.01	2.39992G	-38.99	2.4G	-39.38	2.50902G	-48.22	24.50833G	-42.04	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	12.93	-17.07	2.12817G	-51.93	2.4G	-30.59	2.4G	-29.48	2.50702G	-48.53	16.82417G	-41.94	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43824G	13.42	-16.58	2.12817G	-52.07	2.39976G	-28.84	2.4G	-29.33	2.5079G	-49.79	6.76032G	-42.24	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.44075G	9.24	-20.76	2.30741G	-43.22	2.4G	-23.39	2.4G	-24.32	2.50078G	-29.40	2.58874G	-41.84	1

Result

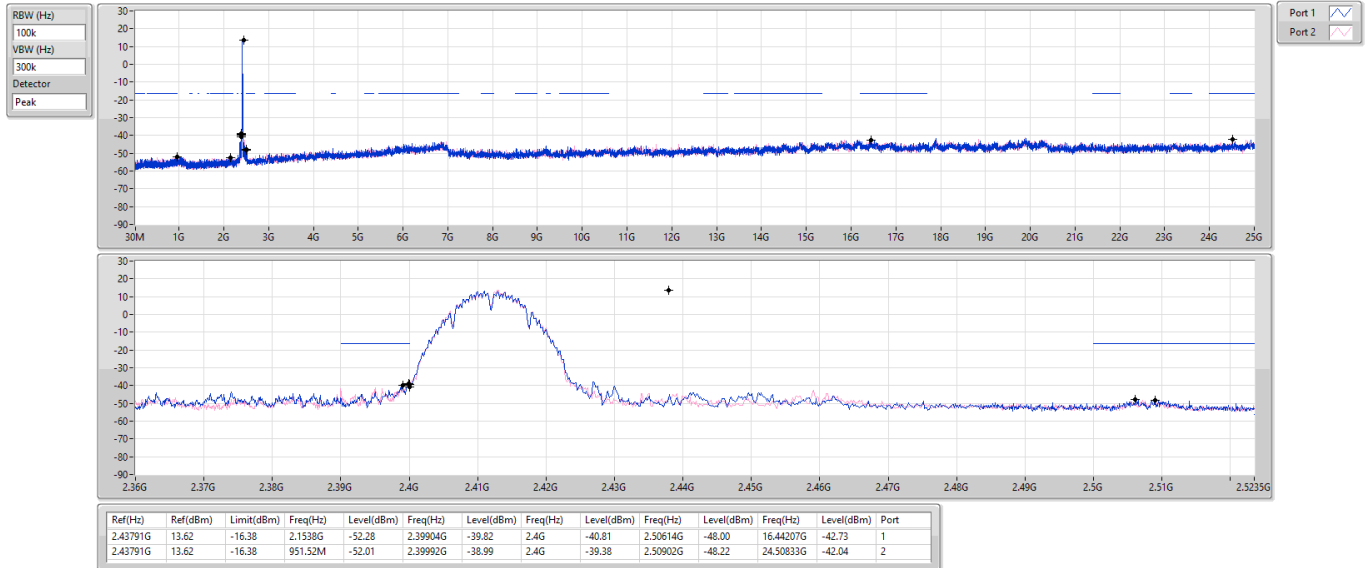
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43791G	13.62	-16.38	2.1538G	-52.28	2.39904G	-39.82	2.4G	-40.81	2.50614G	-48.00	16.44207G	-42.73	1
2412MHz	Pass	2.43791G	13.62	-16.38	951.52M	-52.01	2.39992G	-38.99	2.4G	-39.38	2.50902G	-48.22	24.50833G	-42.04	2
2437MHz	Pass	2.43791G	13.62	-16.38	953.85M	-52.26	2.39752G	-43.04	2.4G	-48.11	2.50478G	-49.00	24.89043G	-42.40	1
2437MHz	Pass	2.43791G	13.62	-16.38	871.13M	-50.88	2.39008G	-46.74	2.4G	-49.16	2.50566G	-49.54	16.54041G	-42.51	2
2462MHz	Pass	2.43791G	13.62	-16.38	2.17244G	-52.01	2.39976G	-48.30	2.4G	-50.21	2.50102G	-42.79	24.98876G	-41.98	1
2462MHz	Pass	2.43791G	13.62	-16.38	2.12234G	-51.89	2.39496G	-49.93	2.4G	-50.83	2.50702G	-46.82	16.44488G	-42.73	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	12.93	-17.07	2.12817G	-51.93	2.4G	-30.59	2.4G	-29.48	2.50702G	-48.53	16.82417G	-41.94	1
2412MHz	Pass	2.43824G	12.93	-17.07	2.16894G	-51.92	2.39952G	-30.81	2.4G	-30.10	2.50822G	-49.25	6.84742G	-42.70	2
2437MHz	Pass	2.43824G	12.93	-17.07	824.53M	-51.95	2.39928G	-35.17	2.4G	-37.59	2.50846G	-44.79	16.41679G	-42.20	1
2437MHz	Pass	2.43824G	12.93	-17.07	802.4M	-51.38	2.39952G	-38.85	2.4G	-40.77	2.50118G	-46.91	16.41117G	-43.07	2
2462MHz	Pass	2.43824G	12.93	-17.07	2.16195G	-51.63	2.39776G	-49.79	2.4G	-51.18	2.50294G	-45.15	24.96067G	-42.63	1
2462MHz	Pass	2.43824G	12.93	-17.07	2.19224G	-51.49	2.39016G	-48.90	2.4G	-50.90	2.50902G	-47.83	16.20888G	-41.46	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	13.42	-16.58	2.12817G	-52.07	2.39976G	-28.84	2.4G	-29.33	2.5079G	-49.79	6.76032G	-42.24	1
2412MHz	Pass	2.43824G	13.42	-16.58	2.09904G	-51.08	2.4G	-30.02	2.4G	-29.30	2.5011G	-49.56	16.79889G	-42.34	2
2437MHz	Pass	2.43824G	13.42	-16.58	2.30641G	-51.85	2.39928G	-30.78	2.4G	-34.82	2.50166G	-40.82	16.48703G	-42.35	1
2437MHz	Pass	2.43824G	13.42	-16.58	2.1503G	-52.02	2.3992G	-36.73	2.4G	-39.24	2.50286G	-46.24	24.65723G	-42.44	2
2462MHz	Pass	2.43824G	13.42	-16.58	921.23M	-51.97	2.4G	-51.16	2.4G	-52.51	2.5103G	-48.72	24.80895G	-41.12	1
2462MHz	Pass	2.43824G	13.42	-16.58	923.56M	-52.27	2.39584G	-49.15	2.4G	-51.14	2.50182G	-48.09	24.20208G	-42.75	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	9.24	-20.76	2.13451G	-52.50	2.39984G	-36.67	2.4G	-34.93	2.50126G	-49.25	24.91867G	-42.54	1
2422MHz	Pass	2.44075G	9.24	-20.76	2.18604G	-52.50	2.39968G	-34.90	2.4G	-33.13	2.51598G	-49.84	16.80787G	-41.23	2
2437MHz	Pass	2.44075G	9.24	-20.76	2.30741G	-43.22	2.4G	-23.39	2.4G	-24.32	2.50078G	-29.40	2.58874G	-41.84	1
2437MHz	Pass	2.44075G	9.24	-20.76	2.30855G	-48.42	2.3992G	-29.01	2.4G	-29.01	2.5019G	-32.04	16.40402G	-41.99	2
2452MHz	Pass	2.44075G	9.24	-20.76	937.99M	-52.04	2.39872G	-49.49	2.4G	-50.76	2.50062G	-47.80	16.7658G	-42.26	1
2452MHz	Pass	2.44075G	9.24	-20.76	954.02M	-51.79	2.39712G	-48.02	2.4G	-49.56	2.5003G	-49.08	16.44048G	-42.92	2

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

CSEndB

2412MHz

23/05/2024

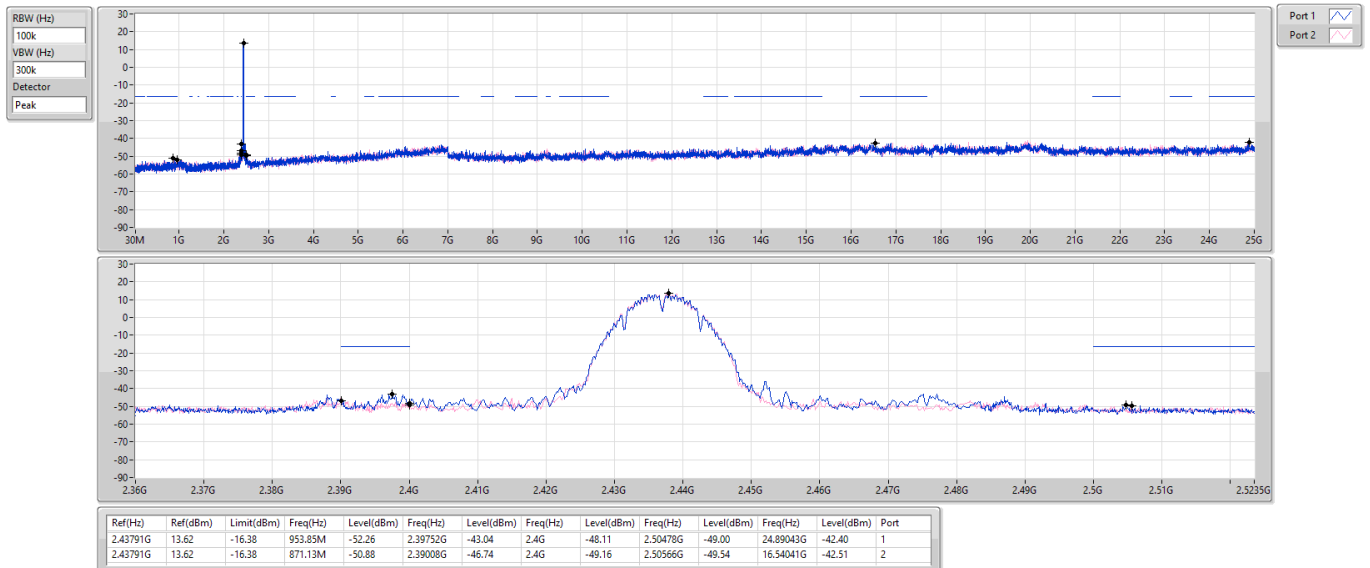


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

CSEndB

2437MHz

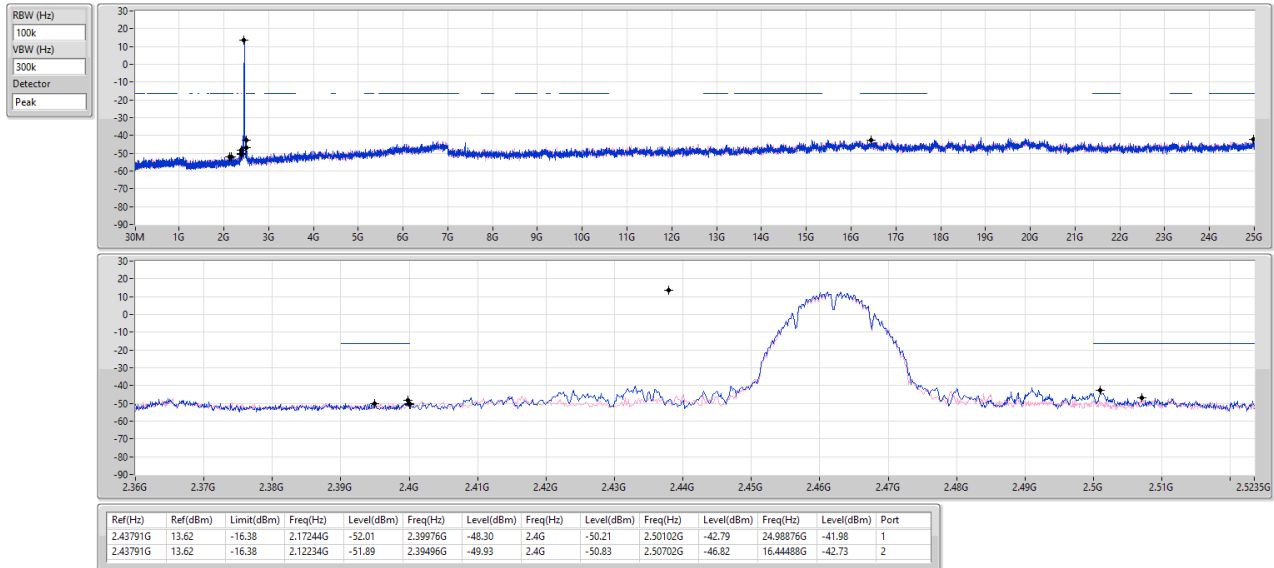
23/05/2024



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

CSEndB

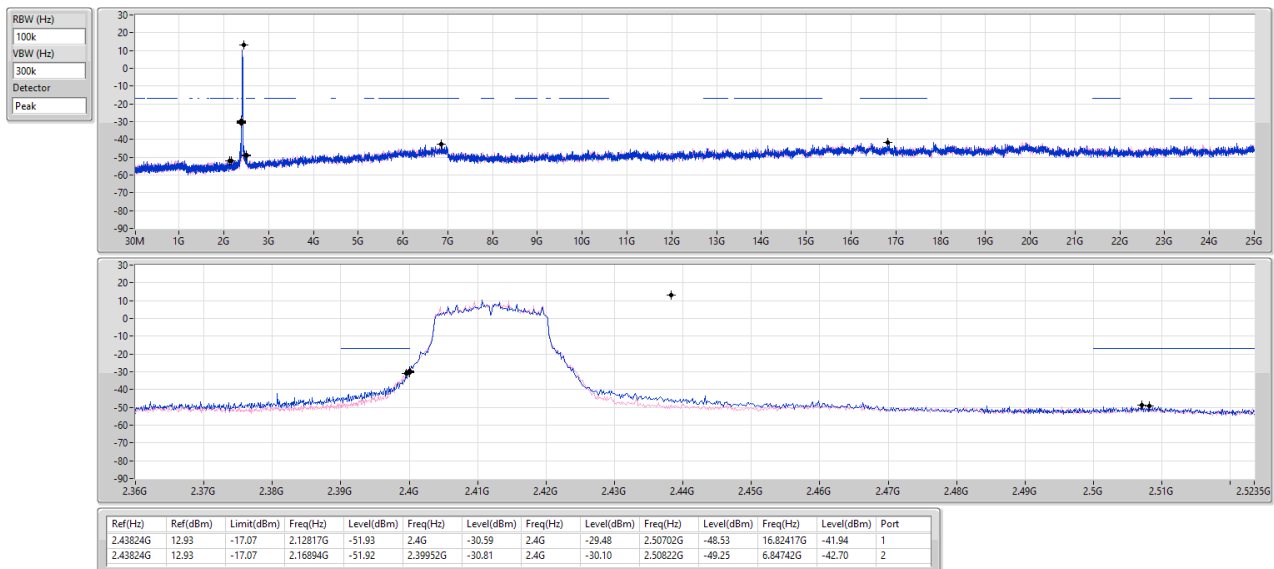
2462MHz



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

CSEndB

2412MHz

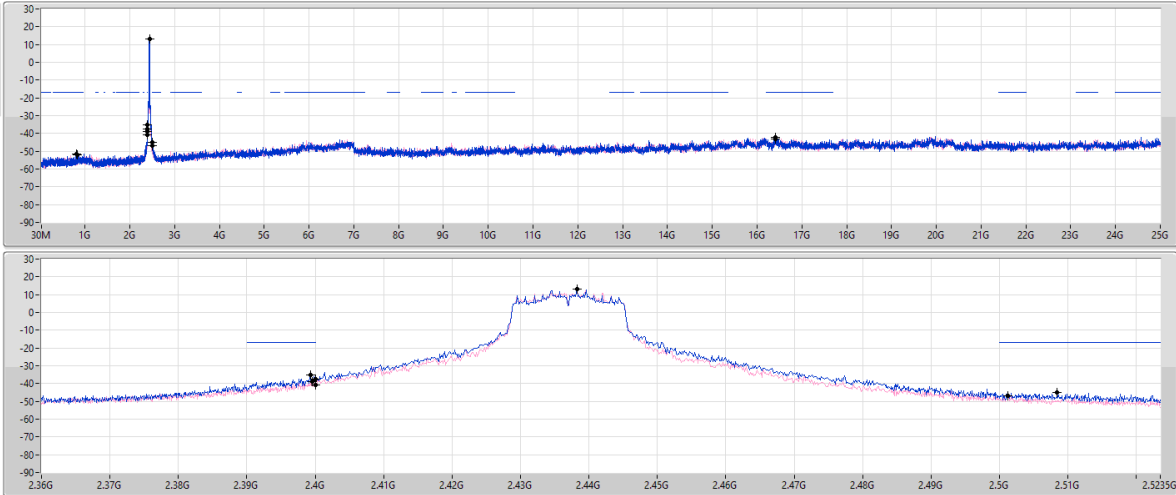


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSEndB

2437MHz

23/05/2024

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

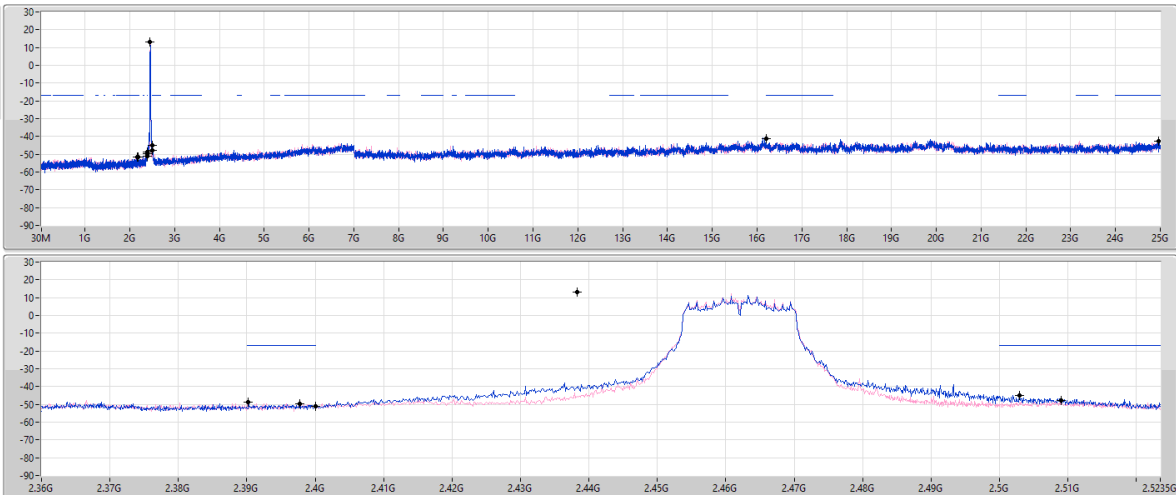
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	12.93	-17.07	824.53M	-51.95	2.39928G	-35.17	2.4G	-37.59	2.50846G	-44.79	16.41679G	-42.20	1
2.43824G	12.93	-17.07	802.4M	-51.38	2.39952G	-38.85	2.4G	-40.77	2.50118G	-46.91	16.41117G	-43.07	2

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

CSEndB

2462MHz

23/05/2024

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

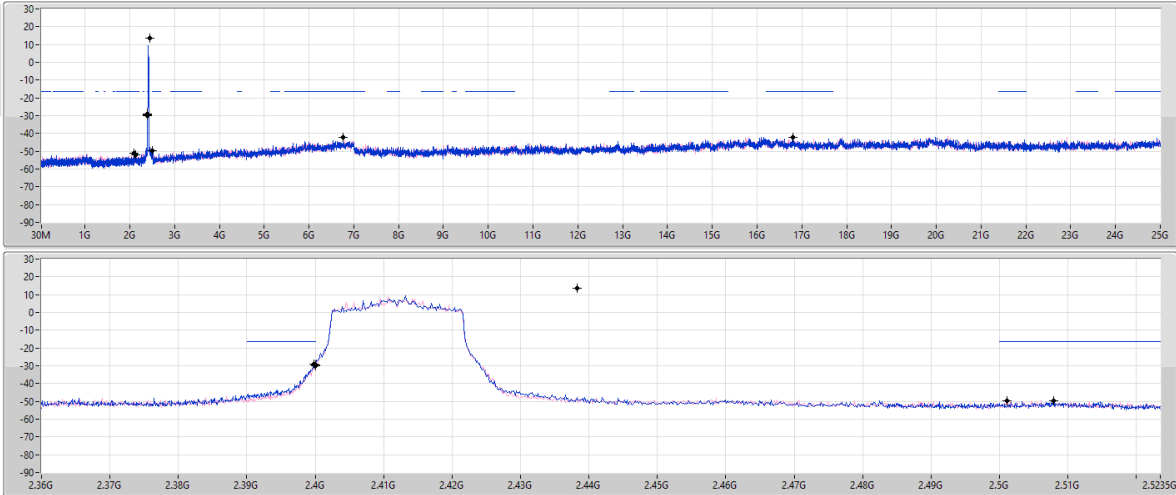
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2.43824G	12.93	-17.07	2.16195G	-51.63	2.39776G	-49.79	2.4G	-51.18	2.50294G	-45.15	24.96067G	-42.63	1
2.43824G	12.93	-17.07	2.19224G	-51.49	2.39016G	-48.90	2.4G	-50.90	2.50902G	-47.83	16.20888G	-41.46	2

2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

CSEndB

2412MHz

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



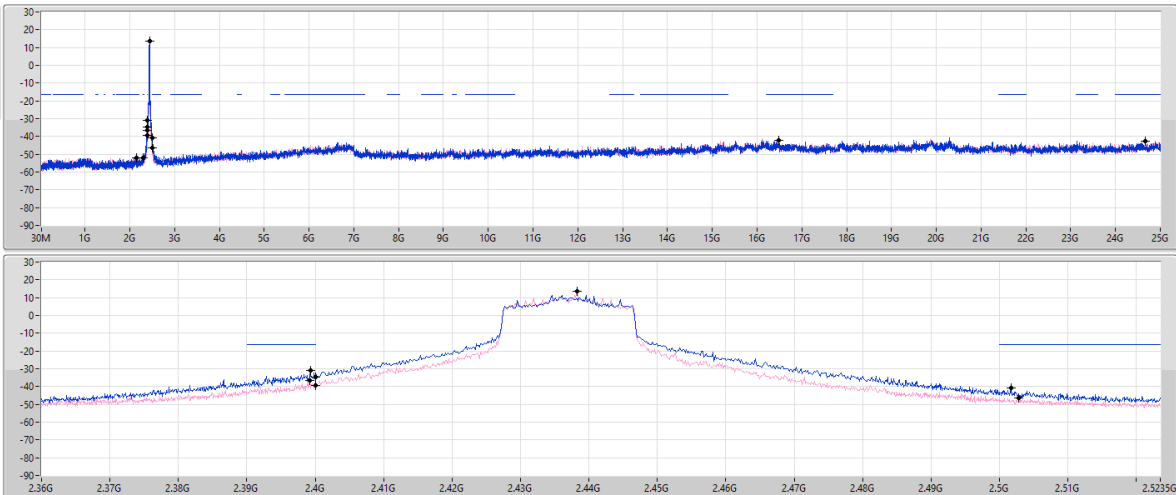
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	13.42	-16.58	2.12817G	-52.07	2.39976G	-28.84	2.4G	-29.33	2.5079G	-49.79	6.76032G	-42.24	1
2.43824G	13.42	-16.58	2.09904G	-51.08	2.4G	-30.02	2.4G	-29.30	2.5011G	-49.56	16.79889G	-42.34	2

2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

CSEndB

2437MHz

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



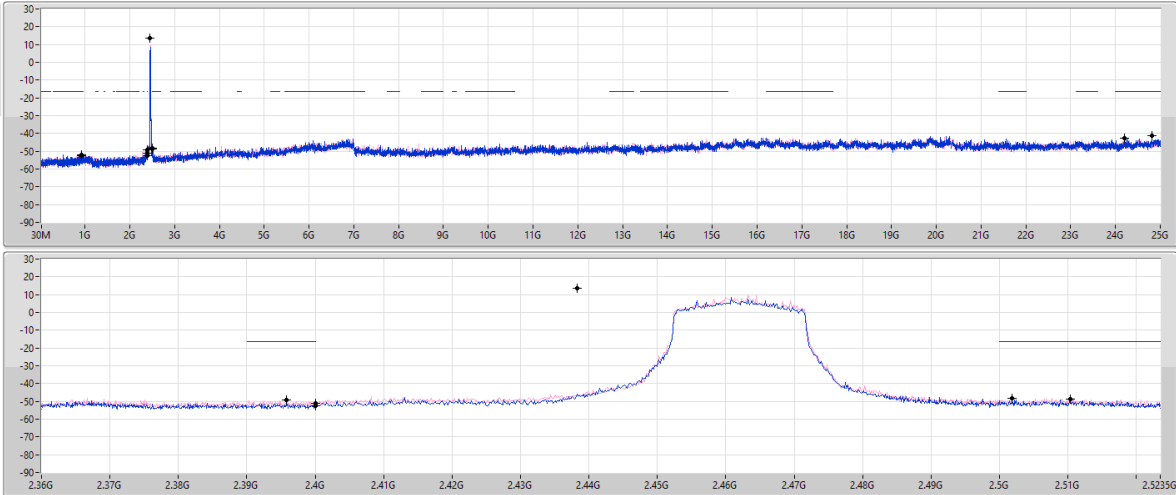
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2.43824G	13.42	-16.58	2.30641G	-51.85	2.39928G	-30.78	2.4G	-34.82	2.50166G	-40.82	16.48703G	-42.35	1
2.43824G	13.42	-16.58	2.1503G	-52.02	2.3992G	-36.73	2.4G	-39.24	2.50286G	-46.24	24.65723G	-42.44	2

2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

CSEndB

2462MHz

23/05/2024

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

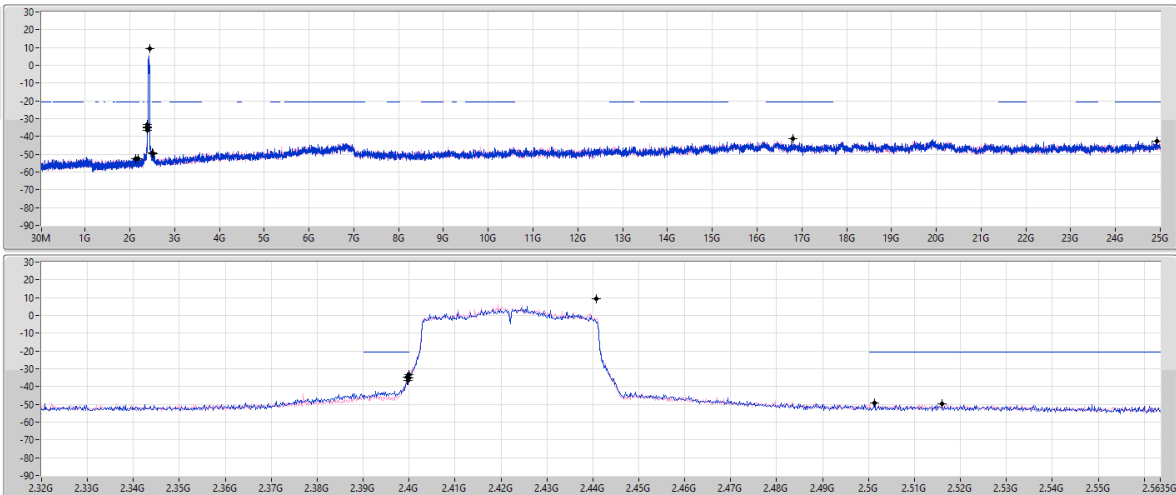
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	13.42	-16.58	921.23M	-51.97	2.4G	-51.16	2.4G	-52.51	2.5103G	-48.72	24.80895G	-41.12	1
2.43824G	13.42	-16.58	923.56M	-52.27	2.39584G	-49.15	2.4G	-51.14	2.50182G	-48.09	24.20208G	-42.75	2

2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

CSEndB

2422MHz

23/05/2024

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

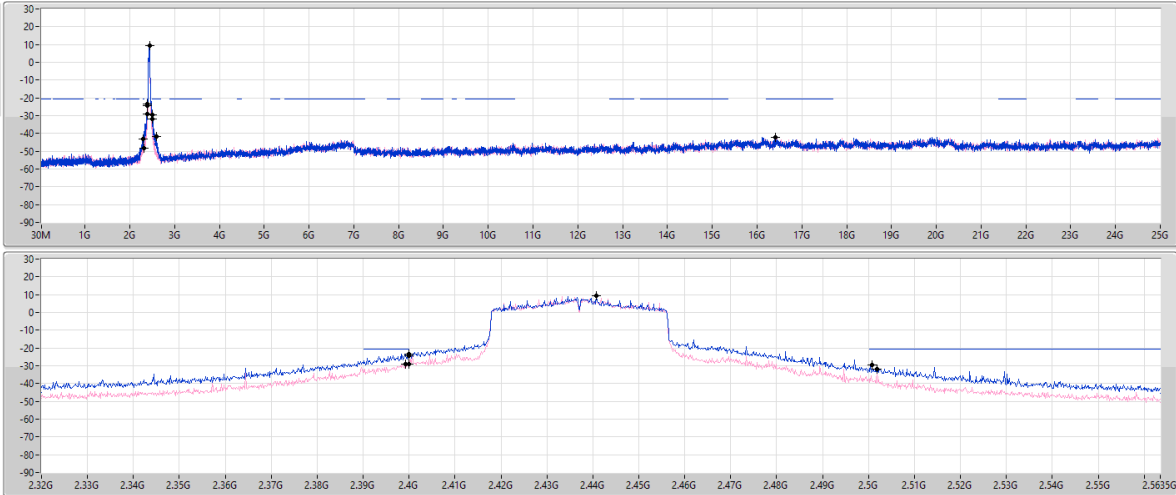
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	9.24	-20.76	2.13451G	-52.50	2.39984G	-36.67	2.4G	-34.93	2.50126G	-49.25	24.91867G	-42.54	1
2.44075G	9.24	-20.76	2.18604G	-52.50	2.39968G	-34.90	2.4G	-33.13	2.51598G	-49.84	16.80787G	-41.23	2

2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

CSEndB

2437MHz

23/05/2024

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

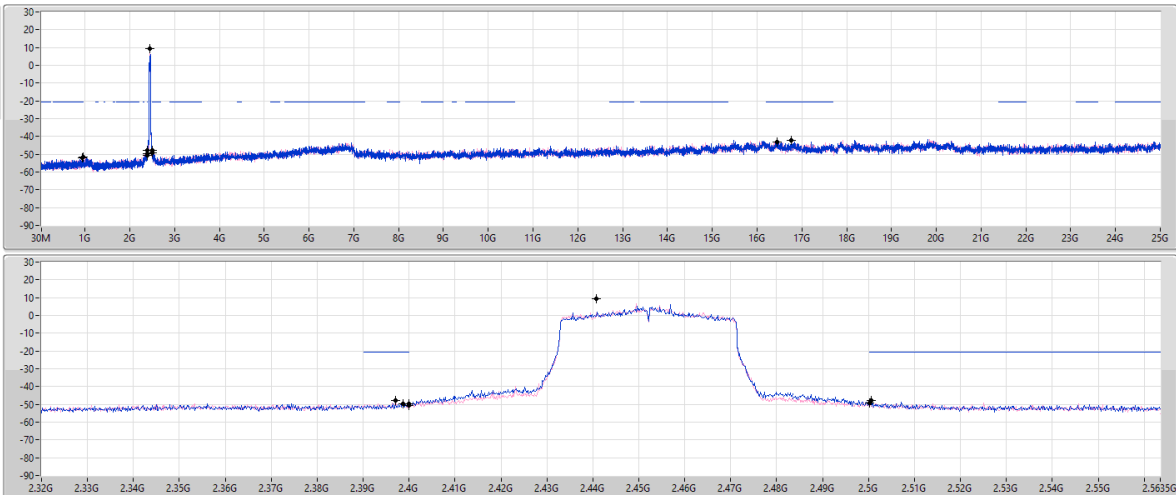
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	9.24	-20.76	2.30741G	-43.22	2.4G	-23.39	2.4G	-24.32	2.50078G	-29.40	2.58874G	-41.84	1
2.44075G	9.24	-20.76	2.30855G	-48.42	2.3992G	-29.01	2.4G	-29.01	2.5019G	-32.04	16.40402G	-41.99	2

2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

CSEndB

2452MHz

23/05/2024

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
2.44075G	9.24	-20.76	937.99M	-52.04	2.39872G	-49.49	2.4G	-50.76	2.50062G	-47.80	16.7658G	-42.26	1
2.44075G	9.24	-20.76	954.02M	-51.79	2.39712G	-48.02	2.4G	-49.56	2.5003G	-49.08	16.44048G	-42.92	2



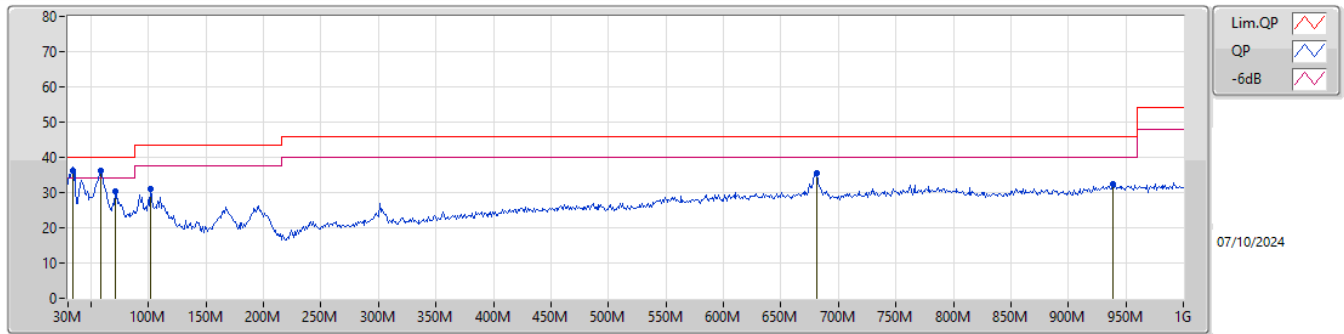
Radiated Emissions below 1GHz

Appendix F.1

Summary

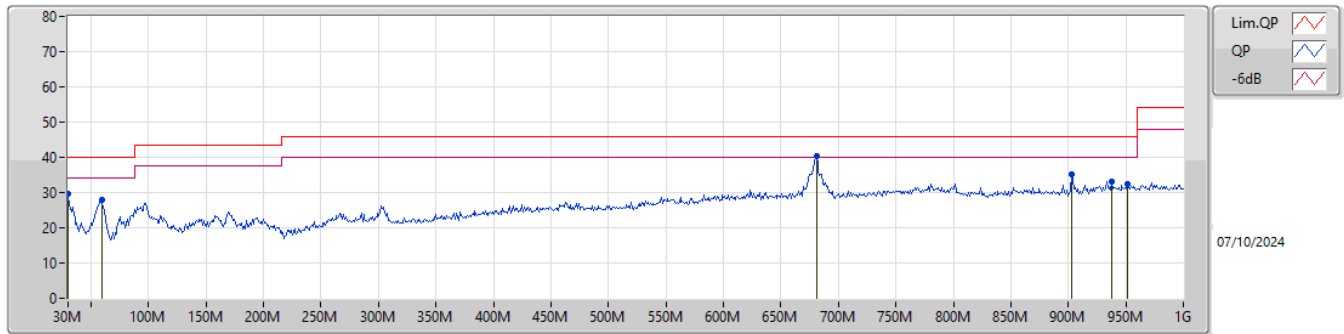
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	58.13M	36.29	40.00	-3.71	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
QP	33.88M	36.25	40.00	-3.75	-9.09	3	Vertical	132	1.25	-	45.34	22.22	1.10	32.41		
PK	58.13M	36.29	40.00	-3.71	-18.47	3	Vertical	0	1.25	"Worst"	54.76	12.32	1.49	32.28		
PK	70.74M	30.33	40.00	-9.67	-18.63	3	Vertical	223	1.50	-	48.96	12.14	1.52	32.29		
PK	101.78M	31.10	43.50	-12.40	-13.86	3	Vertical	10	1.00	-	44.96	16.86	1.63	32.35		
PK	680.87M	35.49	46.00	-10.51	-2.28	3	Vertical	73	1.00	-	37.77	25.06	4.28	31.62		
PK	938.89M	32.37	46.00	-13.63	0.78	3	Vertical	41	2.00	-	31.59	26.42	5.05	30.69		

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	30M	29.55	40.00	-10.45	-6.99	3	Horizontal	259	1.00	-	36.54	24.33	1.08	32.40		
PK	59.1M	27.86	40.00	-12.14	-18.55	3	Horizontal	144	3.00	-	46.41	12.22	1.51	32.28		
PK	680.87M	40.27	46.00	-5.73	-2.28	3	Horizontal	0	1.00	"Worst"	42.55	25.06	4.28	31.62		
PK	903M	35.11	46.00	-10.89	-0.11	3	Horizontal	355	3.00	-	35.22	26.37	4.99	31.47		
PK	937.92M	33.14	46.00	-12.86	0.76	3	Horizontal	343	1.00	-	32.38	26.42	5.05	30.71		
PK	951.5M	32.46	46.00	-13.54	1.24	3	Horizontal	223	1.50	-	31.22	26.61	5.07	30.44		

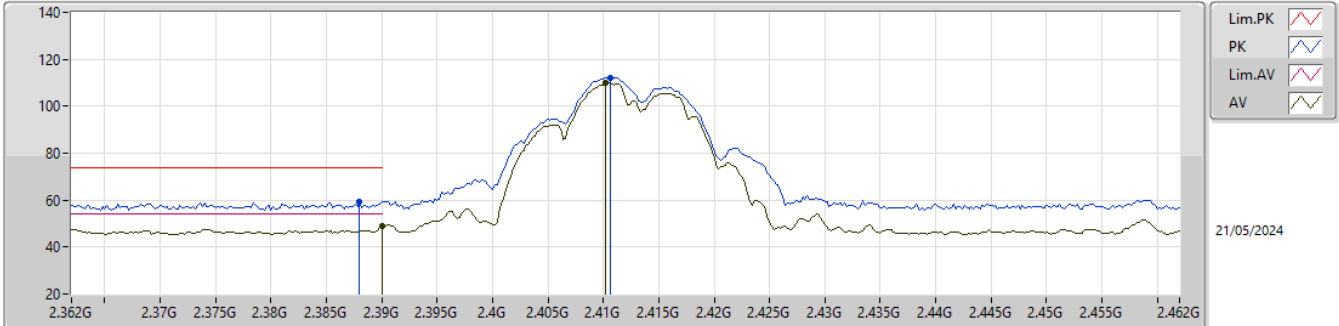


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.3872G	53.96	54.00	-0.04	3	Horizontal	52	1.13	-

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

2412MHz_TX

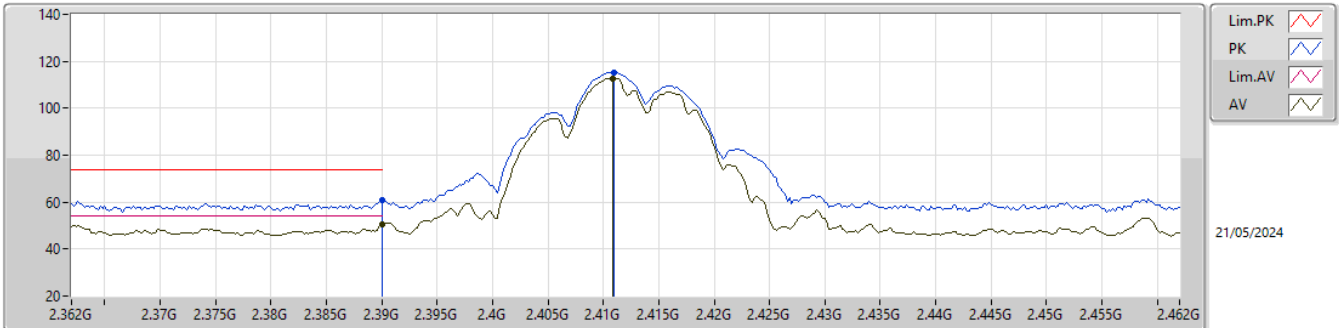


EUT_X_2TX
Setting 21.5
01-S-G-5

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	2.388G	59.14	74.00	-14.86	26.79	3	Vertical	26	2.18	-	27.70	4.65	-				
AV	2.39G	48.98	54.00	-5.02	16.62	3	Vertical	26	2.18	-	27.70	4.66	-				
PK	2.4106G	112.31	Inf	-Inf	80.04	3	Vertical	26	2.18	-	27.61	4.66	-				
AV	2.4102G	109.88	Inf	-Inf	77.62	3	Vertical	26	2.18	-	27.60	4.66	-				

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

2412MHz_TX

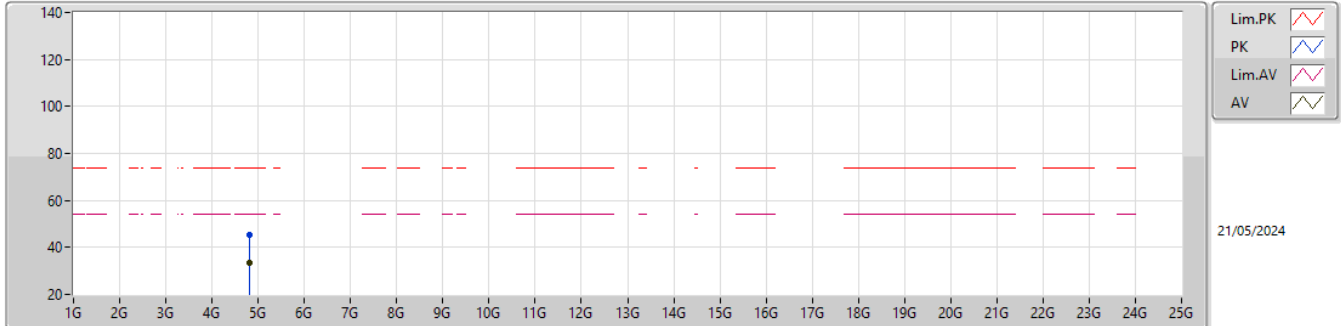


EUT_X_2TX
Setting 21.5
01-S-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.39G	60.81	74.00	-13.19	28.45	3	Horizontal	306	2.10	-	27.70	4.66	-				
AV	2.39G	50.30	54.00	-3.70	17.94	3	Horizontal	306	2.10	-	27.70	4.66	-				
PK	2.411G	115.26	Inf	-Inf	82.99	3	Horizontal	306	2.10	-	27.61	4.66	-				
AV	2.4108G	112.73	Inf	-Inf	80.46	3	Horizontal	306	2.10	-	27.61	4.66	-				

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

2412MHz_TX

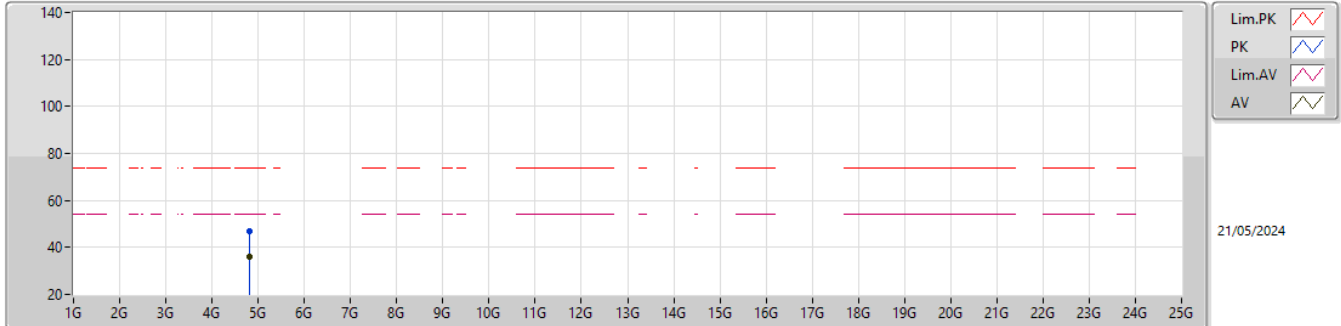


EUT_X_2TX
Setting 21.5
01-S-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.8237G	45.42	74.00	-28.58	40.16	3	Vertical	294	1.80	-	31.30	6.93	32.97			
AV	4.82464G	33.30	54.00	-20.70	28.04	3	Vertical	294	1.80	-	31.30	6.93	32.97			

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

2412MHz_TX

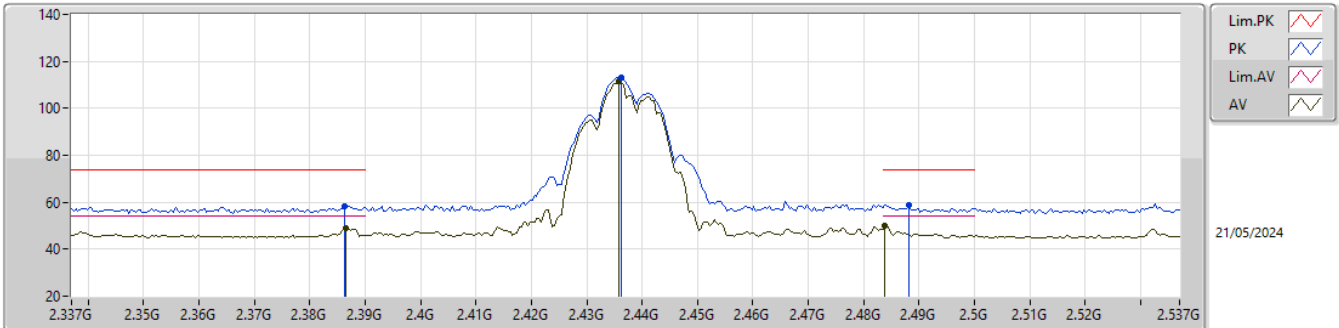


EUT_X_2TX
Setting 21.5
01-S-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.82386G	46.91	74.00	-27.09	41.65	3	Horizontal	301	1.80	-	31.30	6.93	32.97			
AV	4.82398G	35.98	54.00	-18.02	30.72	3	Horizontal	301	1.80	-	31.30	6.93	32.97			

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

2437MHz_TX

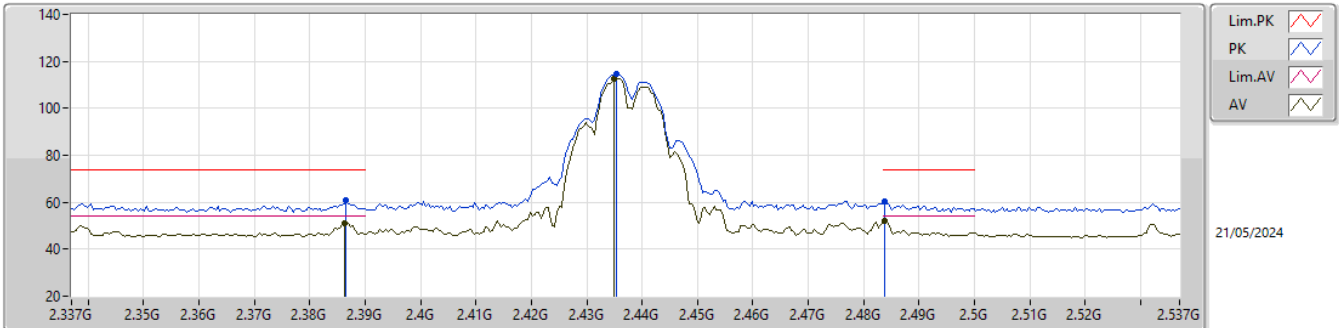


EUT_X_2TX
Setting 22.5
01-S-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3862G	58.49	74.00	-15.51	26.14	3	Vertical	23	2.38	-	27.70	4.65	-			
AV	2.3866G	48.99	54.00	-5.01	16.64	3	Vertical	23	2.38	-	27.70	4.65	-			
PK	2.4362G	113.15	Inf	-Inf	80.97	3	Vertical	23	2.38	-	27.54	4.64	-			
AV	2.4358G	111.65	Inf	-Inf	79.47	3	Vertical	23	2.38	-	27.54	4.64	-			
PK	2.4882G	58.76	74.00	-15.24	26.66	3	Vertical	23	2.38	-	27.50	4.60	-			
AV	2.4838G	49.94	54.00	-4.06	17.84	3	Vertical	23	2.38	-	27.50	4.60	-			

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

2437MHz_TX

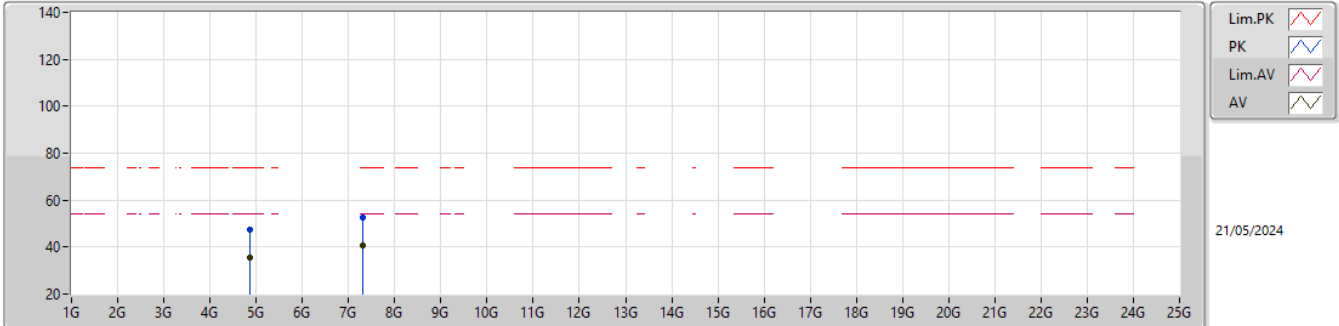


EUT_X_2TX
Setting 22.5
01-S-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3866G	60.83	74.00	-13.17	28.48	3	Horizontal	297	1.80	-	27.70	4.65	-			
AV	2.3862G	51.09	54.00	-2.91	18.74	3	Horizontal	297	1.80	-	27.70	4.65	-			
PK	2.4354G	114.61	Inf	-Inf	82.42	3	Horizontal	297	1.80	-	27.55	4.64	-			
AV	2.435G	112.84	Inf	-Inf	80.65	3	Horizontal	297	1.80	-	27.55	4.64	-			
PK	2.4838G	60.30	74.00	-13.70	28.20	3	Horizontal	297	1.80	-	27.50	4.60	-			
AV	2.4838G	52.00	54.00	-2.00	19.90	3	Horizontal	297	1.80	-	27.50	4.60	-			

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

2437MHz_TX

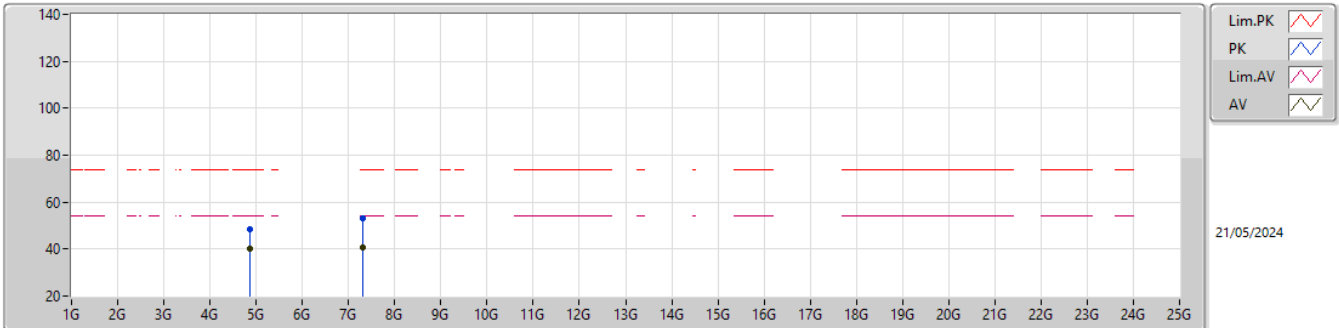


EUT_X_2TX
Setting 22.5
01-S-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.87524G	47.47	74.00	-26.53	42.14	3	Vertical	308	1.80	-	31.30	6.99	32.96				
AV	4.87408G	35.62	54.00	-18.38	30.30	3	Vertical	308	1.80	-	31.30	6.98	32.96				
PK	7.30668G	52.75	74.00	-21.25	40.96	3	Vertical	154	2.63	-	36.27	8.62	33.10				
AV	7.3012G	40.62	54.00	-13.38	28.81	3	Vertical	154	2.63	-	36.30	8.61	33.10				

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

2437MHz_TX

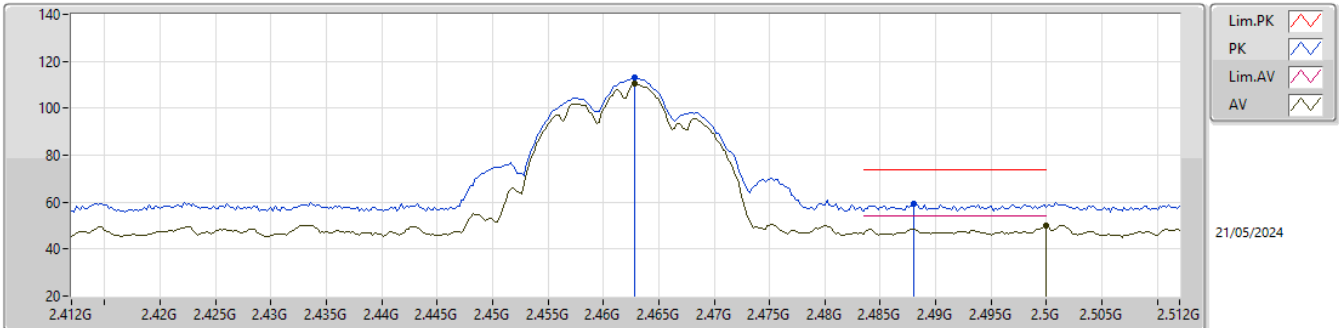


EUT_X_2TX
Setting 22.5
01-S-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.874G	48.68	74.00	-25.32	43.36	3	Horizontal	301	1.01	-	31.30	6.98	32.96			
AV	4.87392G	40.29	54.00	-13.71	34.97	3	Horizontal	301	1.01	-	31.30	6.98	32.96			
PK	7.30288G	53.20	74.00	-20.80	41.40	3	Horizontal	16	1.87	-	36.29	8.61	33.10			
AV	7.31636G	40.51	54.00	-13.49	28.75	3	Horizontal	16	1.87	-	36.23	8.63	33.10			

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

2462MHz_TX

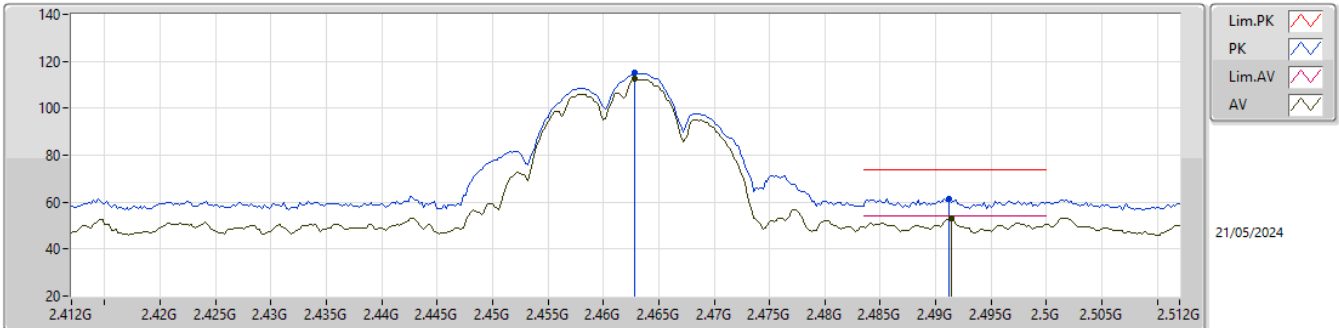


EUT_X_2TX
Setting 21
01-S-G-5

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	112.88	Inf	-Inf	80.86	3	Vertical	8	1.80	-	27.40	4.62	-				
AV	2.4628G	110.34	Inf	-Inf	78.32	3	Vertical	8	1.80	-	27.40	4.62	-				
PK	2.488G	59.20	74.00	-14.80	27.10	3	Vertical	8	1.80	-	27.50	4.60	-				
AV	2.5G	49.84	54.00	-4.16	17.75	3	Vertical	8	1.80	-	27.50	4.59	-				

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

2462MHz_TX

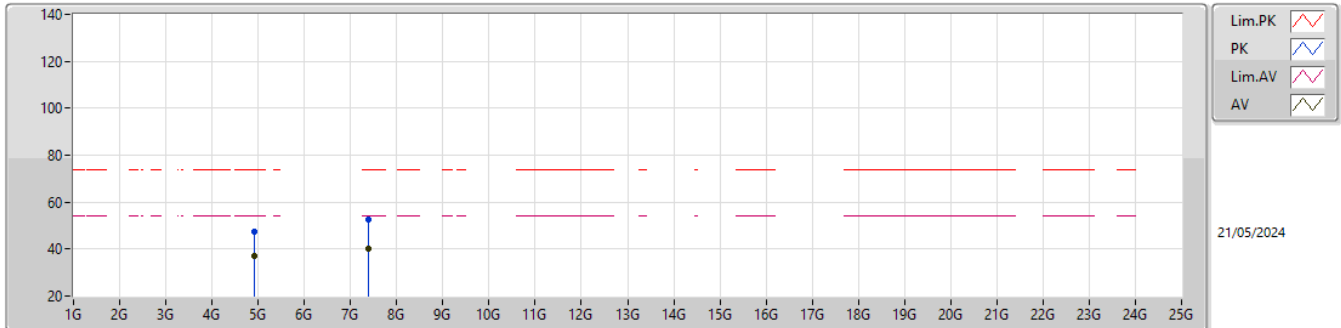


EUT_X_2TX
Setting 21
01-S-G-5

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	114.92	Inf	-Inf	82.90	3	Horizontal	305	1.80	-	27.40	4.62	-				
AV	2.4628G	112.38	Inf	-Inf	80.36	3	Horizontal	305	1.80	-	27.40	4.62	-				
PK	2.4912G	61.35	74.00	-12.65	29.26	3	Horizontal	305	1.80	-	27.50	4.59	-				
AV	2.4914G	53.11	54.00	-0.89	21.02	3	Horizontal	305	1.80	-	27.50	4.59	-				

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

2462MHz_TX

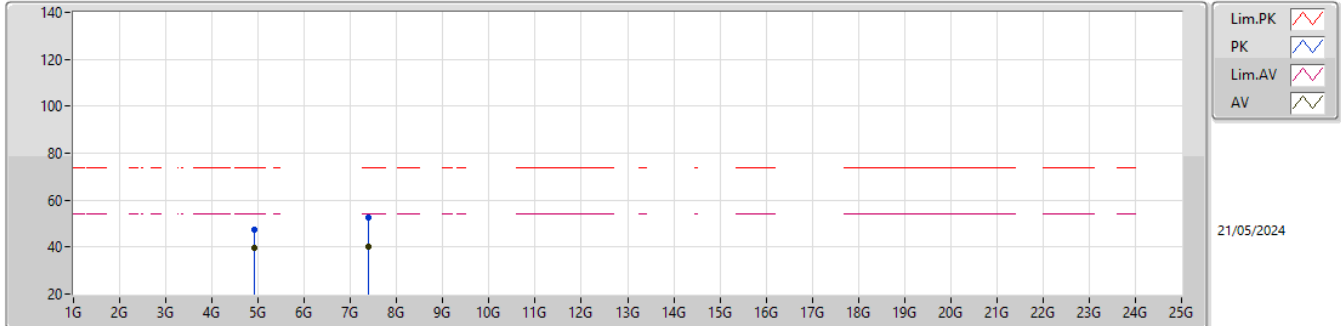


EUT_X_2TX
Setting 21
01-S-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.92392G	47.53	74.00	-26.47	42.05	3	Vertical	4	2.21	-	31.40	7.03	32.95			
AV	4.92404G	36.91	54.00	-17.09	31.43	3	Vertical	4	2.21	-	31.40	7.03	32.95			
PK	7.38444G	52.36	74.00	-21.64	40.68	3	Vertical	165	2.43	-	36.10	8.71	33.13			
AV	7.37784G	40.41	54.00	-13.59	28.73	3	Vertical	165	2.43	-	36.10	8.70	33.12			

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

2462MHz_TX

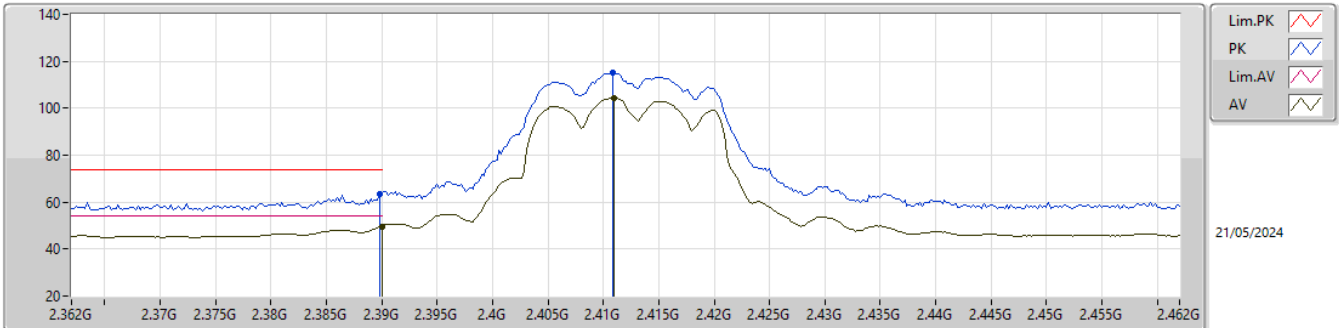


EUT_X_2TX
Setting 21
01-S-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.9238G	47.58	74.00	-26.42	42.10	3	Horizontal	338	1.80	-	31.40	7.03	32.95			
AV	4.924G	39.63	54.00	-14.37	34.15	3	Horizontal	338	1.80	-	31.40	7.03	32.95			
PK	7.37928G	52.74	74.00	-21.26	41.05	3	Horizontal	235	1.66	-	36.10	8.71	33.12			
AV	7.39208G	40.42	54.00	-13.58	28.73	3	Horizontal	235	1.66	-	36.10	8.72	33.13			

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

2412MHz_TX

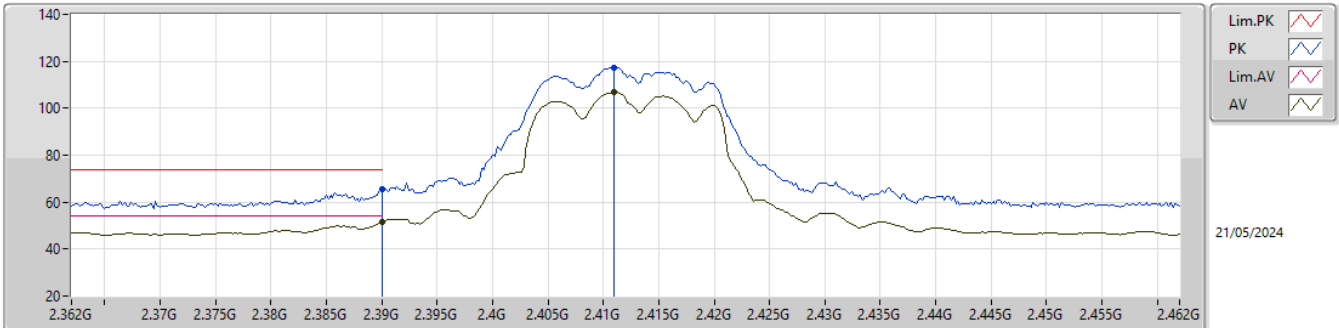


EUT_X_2TX
Setting 19.5
01-S-G-5

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	63.40	74.00	-10.60	31.04	3	Vertical	29	2.42	-	27.70	4.66	-			
AV	2.39G	49.73	54.00	-4.27	17.37	3	Vertical	29	2.42	-	27.70	4.66	-			
PK	2.4108G	115.30	Inf	-Inf	83.03	3	Vertical	29	2.42	-	27.61	4.66	-			
AV	2.411G	104.50	Inf	-Inf	72.23	3	Vertical	29	2.42	-	27.61	4.66	-			

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

2412MHz_TX

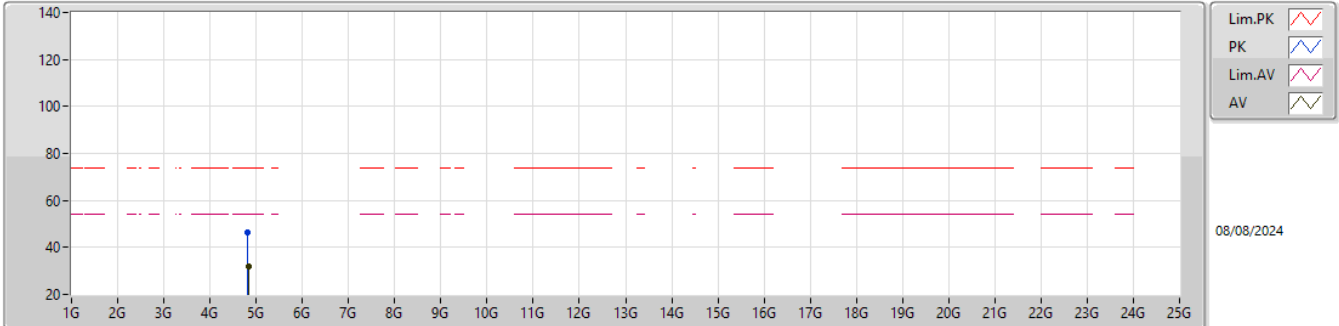


EUT_X_2TX
Setting 19.5
01-S-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.39G	65.38	74.00	-8.62	33.02	3	Horizontal	307	2.05	-	27.70	4.66	-				
AV	2.39G	51.54	54.00	-2.46	19.18	3	Horizontal	307	2.05	-	27.70	4.66	-				
PK	2.411G	117.25	Inf	-Inf	84.98	3	Horizontal	307	2.05	-	27.61	4.66	-				
AV	2.411G	106.93	Inf	-Inf	74.66	3	Horizontal	307	2.05	-	27.61	4.66	-				

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

2412MHz_TX

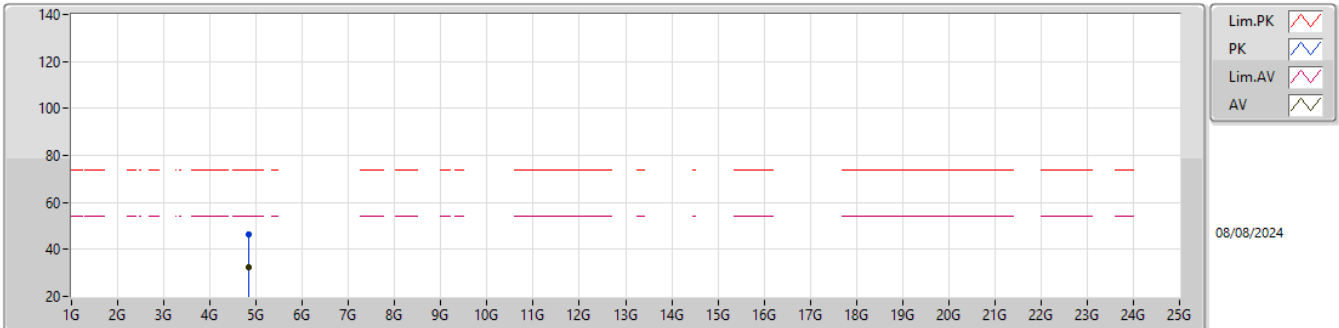


EUT_X_2TX
Setting 19.5
06-C-P-5

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	4.81428G	46.21	74.00	-27.79	40.20	3	Vertical	231	1.97	-	31.37	6.68	32.04			
AV	4.83108G	32.07	54.00	-21.93	26.06	3	Vertical	231	1.97	-	31.34	6.70	32.03			

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

2412MHz_TX

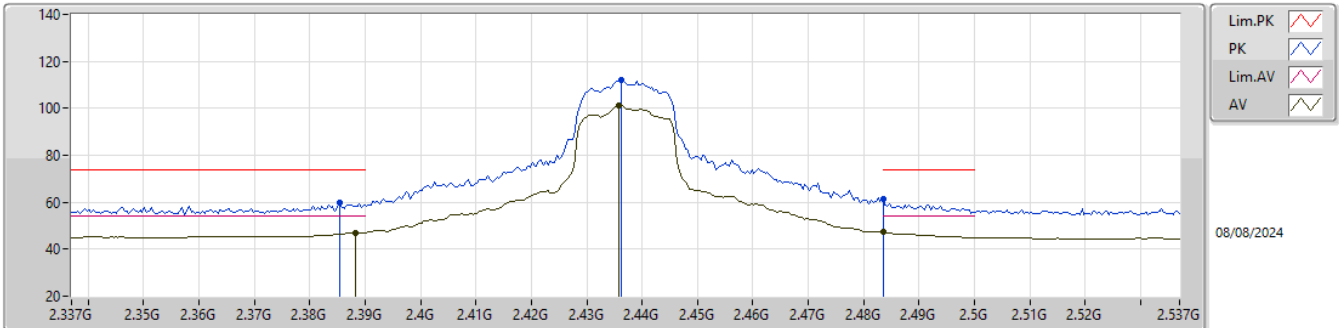


EUT_X_2TX
Setting 19.5
06-C-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.83114G	46.23	74.00	-27.77	40.22	3	Horizontal	356	2.71	-	31.34	6.70	32.03			
AV	4.83204G	32.18	54.00	-21.82	26.17	3	Horizontal	356	2.71	-	31.34	6.70	32.03			

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

2437MHz_TX

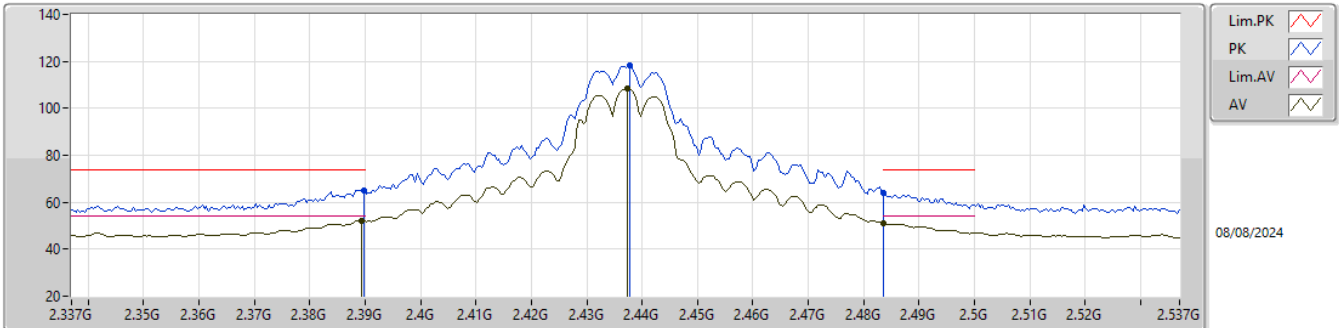


EUT_X_2TX
Setting 22
06-C-P-5

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	59.93	74.00	-14.07	27.63	3	Vertical	49	1.80	-	27.60	4.70	-			
AV	2.3882G	46.85	54.00	-7.15	14.54	3	Vertical	49	1.80	-	27.60	4.71	-			
PK	2.4362G	111.82	Inf	-Inf	79.63	3	Vertical	49	1.80	-	27.44	4.75	-			
AV	2.4358G	101.09	Inf	-Inf	68.90	3	Vertical	49	1.80	-	27.44	4.75	-			
PK	2.4835G	61.39	74.00	-12.61	29.16	3	Vertical	49	1.80	-	27.43	4.80	-			
AV	2.4835G	47.47	54.00	-6.53	15.24	3	Vertical	49	1.80	-	27.43	4.80	-			

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

2437MHz_TX

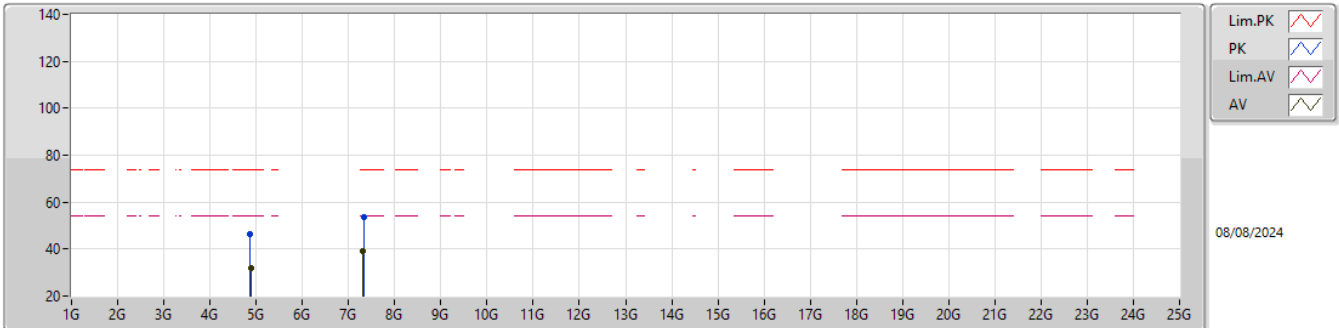


EUT_X_2TX
Setting 22
06-C-P-5

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	65.21	74.00	-8.79	32.90	3	Horizontal	304	2.87	-	27.60	4.71	-				
AV	2.3894G	52.31	54.00	-1.69	20.00	3	Horizontal	304	2.87	-	27.60	4.71	-				
PK	2.4378G	118.15	Inf	-Inf	85.98	3	Horizontal	304	2.87	-	27.42	4.75	-				
AV	2.4374G	108.35	Inf	-Inf	76.17	3	Horizontal	304	2.87	-	27.43	4.75	-				
PK	2.4835G	64.11	74.00	-9.89	31.88	3	Horizontal	304	2.87	-	27.43	4.80	-				
AV	2.4835G	51.11	54.00	-2.89	18.88	3	Horizontal	304	2.87	-	27.43	4.80	-				

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

2437MHz_TX

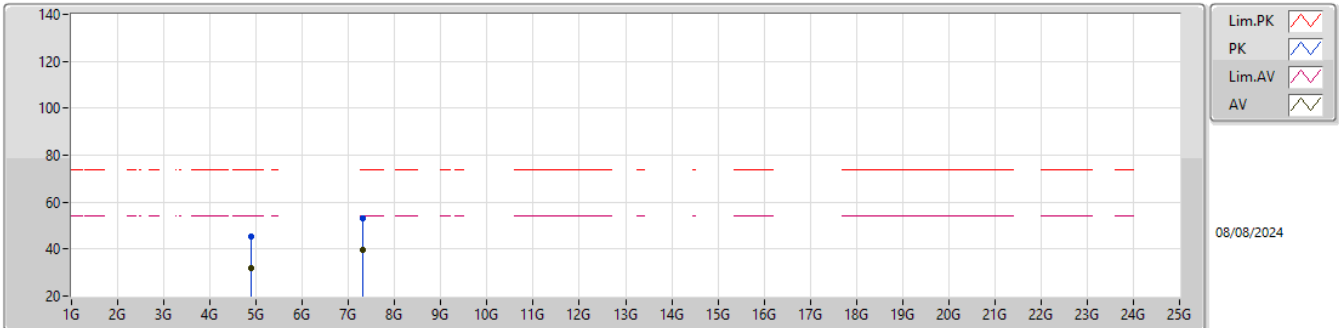


EUT_X_2TX
Setting 22
06-C-P-5

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	4.8722G	46.18	74.00	-27.82	40.16	3	Vertical	60	1.39	-	31.30	6.73	32.01			
AV	4.88864G	31.79	54.00	-22.21	25.74	3	Vertical	60	1.39	-	31.30	6.75	32.00			
PK	7.32528G	53.37	74.00	-20.63	41.63	3	Vertical	263.1	1.80	-	36.60	8.34	33.20			
AV	7.30314G	39.38	54.00	-14.62	27.61	3	Vertical	263.1	1.80	-	36.60	8.34	33.17			

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

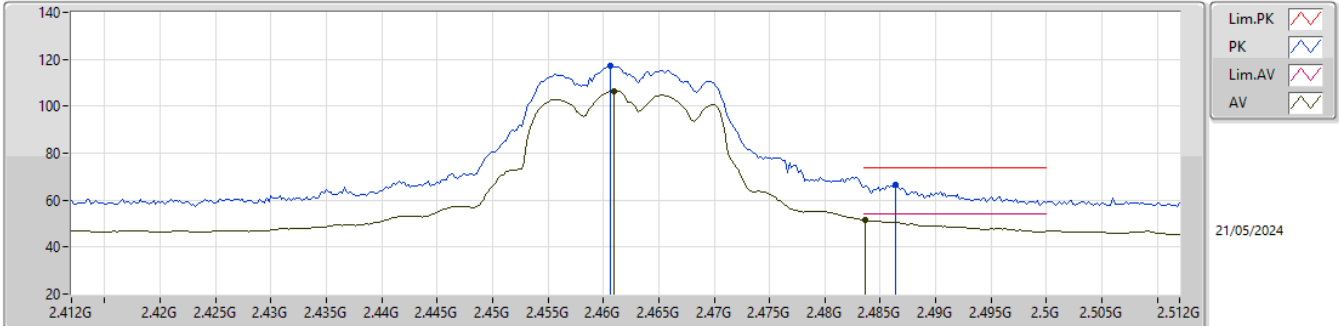
2437MHz_TX


EUT_X_2TX
Setting 22
06-C-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	4.88492G	45.41	74.00	-28.59	39.37	3	Horizontal	198	1.09	-	31.30	6.74	32.00			
AV	4.88762G	31.97	54.00	-22.03	25.93	3	Horizontal	198	1.09	-	31.30	6.74	32.00			
PK	7.3173G	53.32	74.00	-20.68	41.57	3	Horizontal	174	1.80	-	36.60	8.34	33.19			
AV	7.3062G	39.41	54.00	-14.59	27.64	3	Horizontal	174	1.80	-	36.60	8.34	33.17			

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

2462MHz_TX

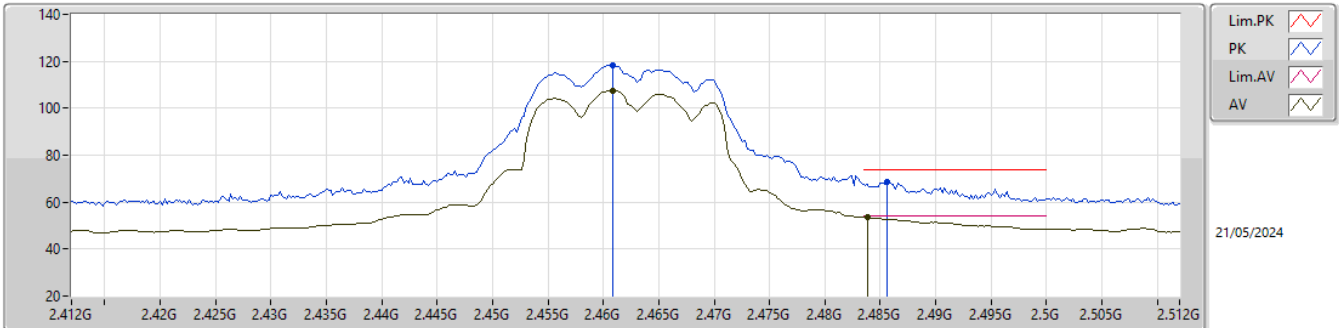


EUT_X_2TX
Setting 20.5
01-S-G-5

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	2.4606G	117.06	Inf	-Inf	85.04	3	Vertical	24	2.31	-	27.40	4.62	-				
AV	2.461G	106.54	Inf	-Inf	74.52	3	Vertical	24	2.31	-	27.40	4.62	-				
PK	2.4864G	66.69	74.00	-7.31	34.59	3	Vertical	24	2.31	-	27.50	4.60	-				
AV	2.4836G	51.65	54.00	-2.35	19.55	3	Vertical	24	2.31	-	27.50	4.60	-				

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

2462MHz_TX

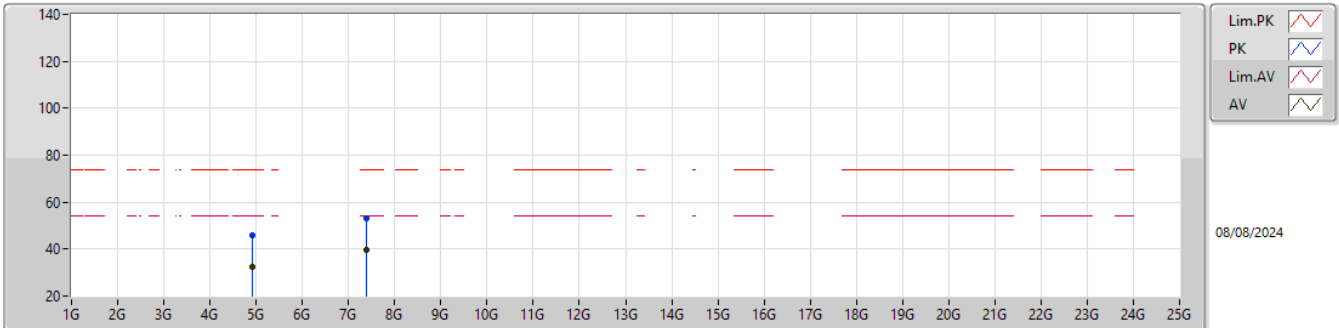


EUT_X_2TX
Setting 20.5
01-S-G-5

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	118.35	Inf	-Inf	86.33	3	Horizontal	305	2.17	-	27.40	4.62	-			
AV	2.4608G	107.58	Inf	-Inf	75.56	3	Horizontal	305	2.17	-	27.40	4.62	-			
PK	2.4856G	68.50	74.00	-5.50	36.40	3	Horizontal	305	2.17	-	27.50	4.60	-			
AV	2.4838G	53.50	54.00	-0.50	21.40	3	Horizontal	305	2.17	-	27.50	4.60	-			

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

2462MHz_TX

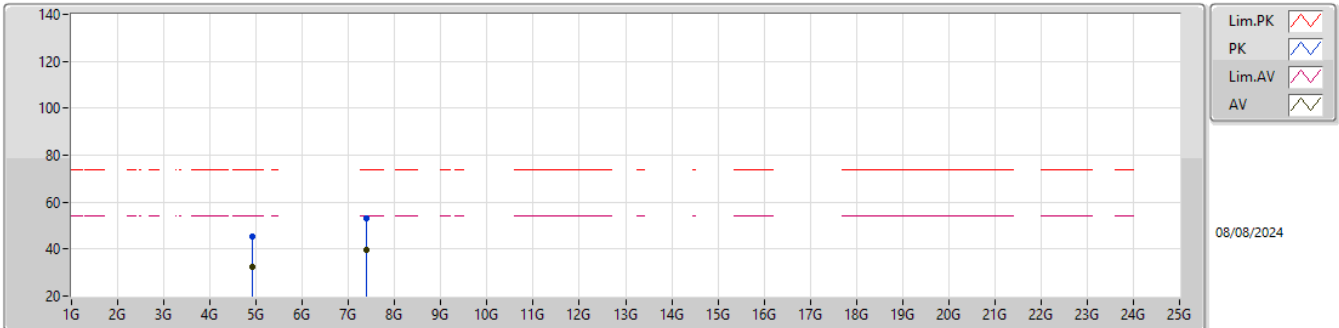


EUT_X_2TX
Setting 20.5
06-C-P-5

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	4.9165G	45.99	74.00	-28.01	39.84	3	Vertical	349	1.45	-	31.37	6.77	31.99			
AV	4.92316G	32.24	54.00	-21.76	26.06	3	Vertical	349	1.45	-	31.39	6.77	31.98			
PK	7.39926G	53.12	74.00	-20.88	41.67	3	Vertical	233	1.19	-	36.40	8.34	33.29			
AV	7.38018G	39.60	54.00	-14.40	28.05	3	Vertical	233	1.19	-	36.48	8.34	33.27			

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

2462MHz_TX

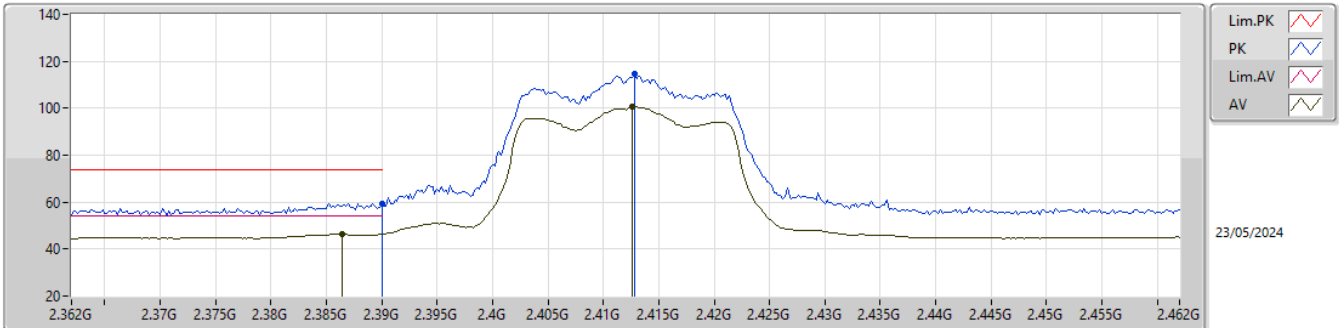


EUT_X_2TX
Setting 20.5
06-C-P-5

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	4.92424G	45.25	74.00	-28.75	39.05	3	Horizontal	72	2.09	-	31.40	6.78	31.98				
AV	4.9267G	32.17	54.00	-21.83	25.96	3	Horizontal	72	2.09	-	31.41	6.78	31.98				
PK	7.38234G	52.91	74.00	-21.09	41.37	3	Horizontal	209	1.17	-	36.47	8.34	33.27				
AV	7.39098G	39.60	54.00	-14.40	28.10	3	Horizontal	209	1.17	-	36.44	8.34	33.28				

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

2412MHz_TX

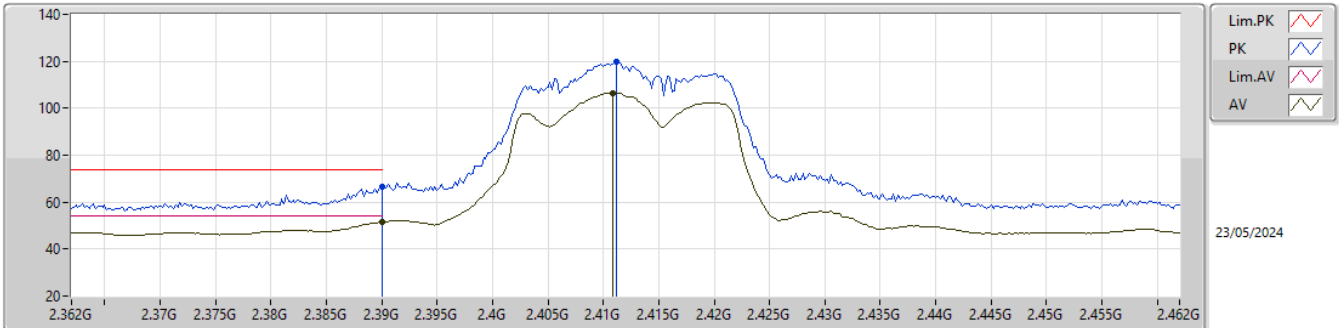


EUT_X_2TX
Setting 18.5
02-C-V-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.39G	59.52	74.00	-14.48	27.96	3	Vertical	45	1.51	-	28.50	3.06	-			
AV	2.3864G	46.41	54.00	-7.59	14.90	3	Vertical	45	1.51	-	28.46	3.05	-			
PK	2.4128G	114.48	Inf	-Inf	83.01	3	Vertical	45	1.51	-	28.40	3.07	-			
AV	2.4126G	100.65	Inf	-Inf	69.18	3	Vertical	45	1.51	-	28.40	3.07	-			

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

2412MHz_TX

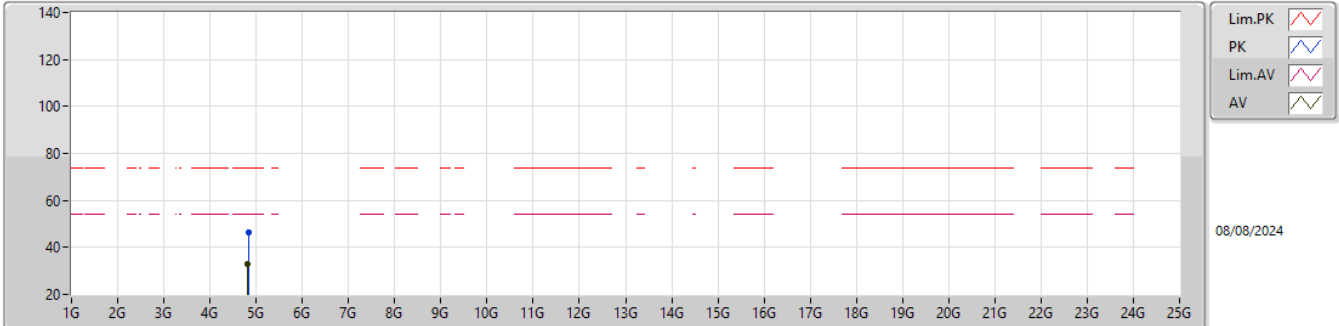


EUT_X_2TX
Setting 18.5
02-C-V-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.39G	66.67	74.00	-7.33	35.11	3	Horizontal	51	1.04	-	28.50	3.06	-			
AV	2.39G	51.49	54.00	-2.51	19.93	3	Horizontal	51	1.04	-	28.50	3.06	-			
PK	2.4112G	119.81	Inf	-Inf	88.35	3	Horizontal	51	1.04	-	28.40	3.06	-			
AV	2.4108G	106.58	Inf	-Inf	75.12	3	Horizontal	51	1.04	-	28.40	3.06	-			

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

2412MHz_TX

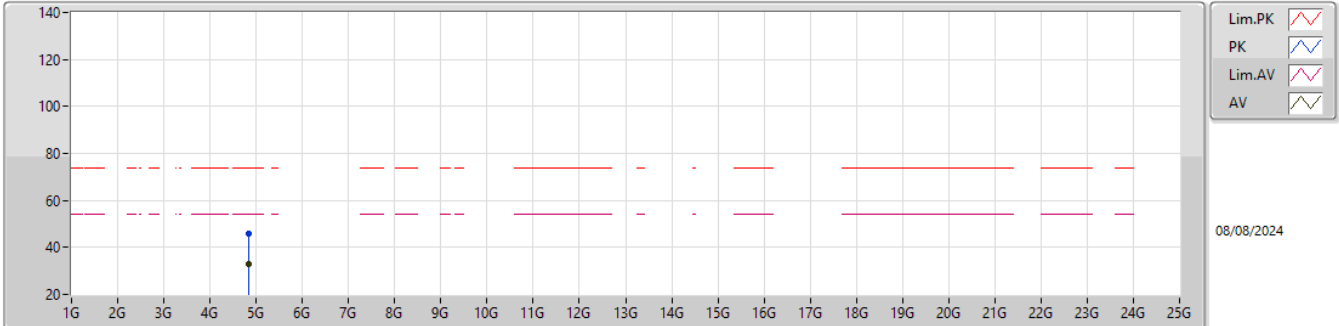


EUT_X_2TX
Setting 18.5
06-C-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.83222G	46.13	74.00	-27.87	40.12	3	Vertical	50	1.09	-	31.34	6.70	32.03			
AV	4.8243G	32.92	54.00	-21.08	26.92	3	Vertical	50	1.09	-	31.35	6.69	32.04			

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

2412MHz_TX

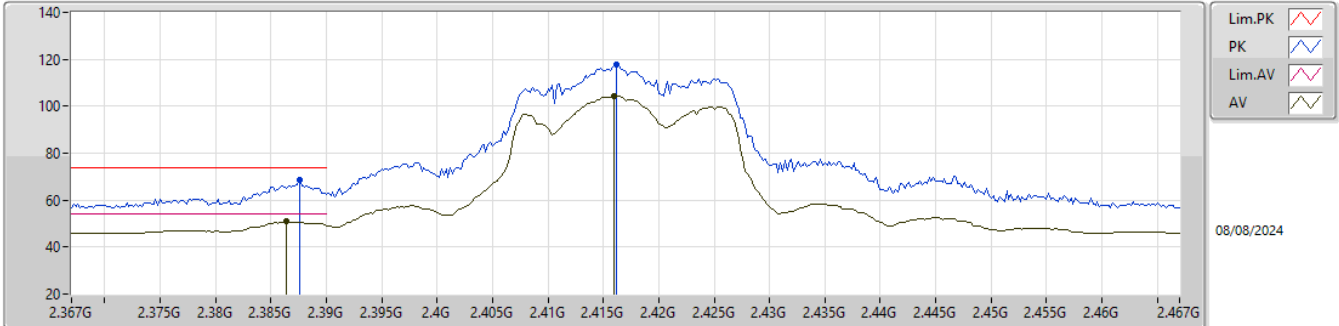


EUT_X_2TX
Setting 18.5
06-C-P-5

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	4.82964G	46.10	74.00	-27.90	40.10	3	Horizontal	129	1.45	-	31.34	6.70	32.04			
AV	4.82556G	32.89	54.00	-21.11	26.89	3	Horizontal	129	1.45	-	31.35	6.69	32.04			

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

2417MHz_TX

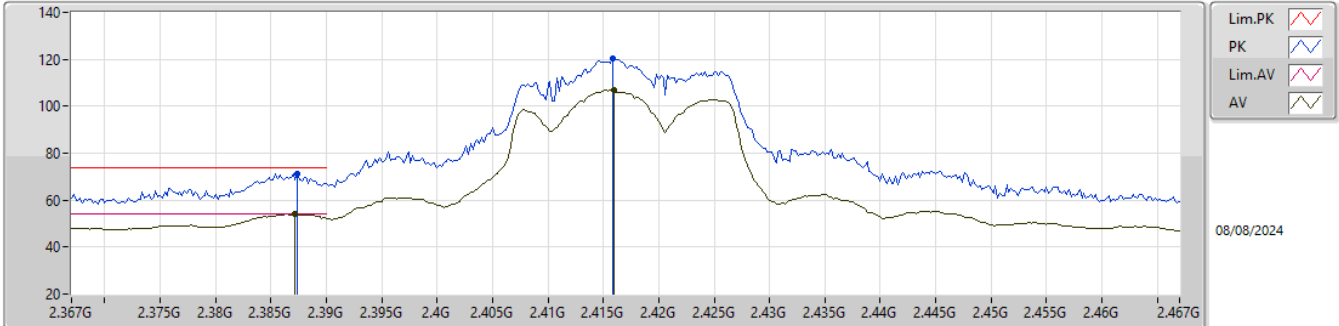


EUT_X_2TX
Setting 20
06-C-P-5

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	68.80	74.00	-5.20	36.49	3	Vertical	335	1.08	-	27.60	4.71	-			
AV	2.3864G	50.85	54.00	-3.15	18.54	3	Vertical	335	1.08	-	27.60	4.71	-			
PK	2.4162G	117.78	Inf	-Inf	85.51	3	Vertical	335	1.08	-	27.54	4.73	-			
AV	2.416G	104.30	Inf	-Inf	72.03	3	Vertical	335	1.08	-	27.54	4.73	-			

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

2417MHz_TX

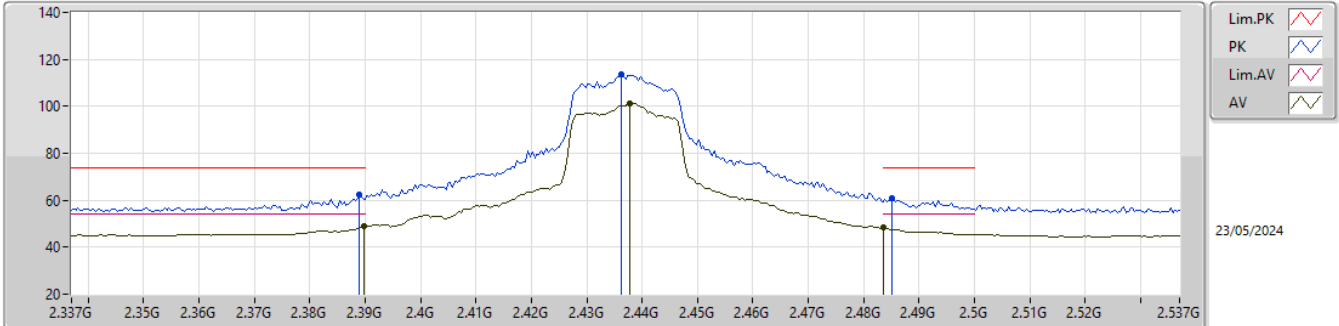


EUT_X_2TX
Setting 20
06-C-P-5

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	2.3874G	71.13	74.00	-2.87	38.82	3	Horizontal	52	1.13	-	27.60	4.71	-			
AV	2.3872G	53.96	54.00	-0.04	21.65	3	Horizontal	52	1.13	-	27.60	4.71	-			
PK	2.4158G	120.35	Inf	-Inf	88.08	3	Horizontal	52	1.13	-	27.54	4.73	-			
AV	2.416G	106.96	Inf	-Inf	74.69	3	Horizontal	52	1.13	-	27.54	4.73	-			

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

2437MHz_TX

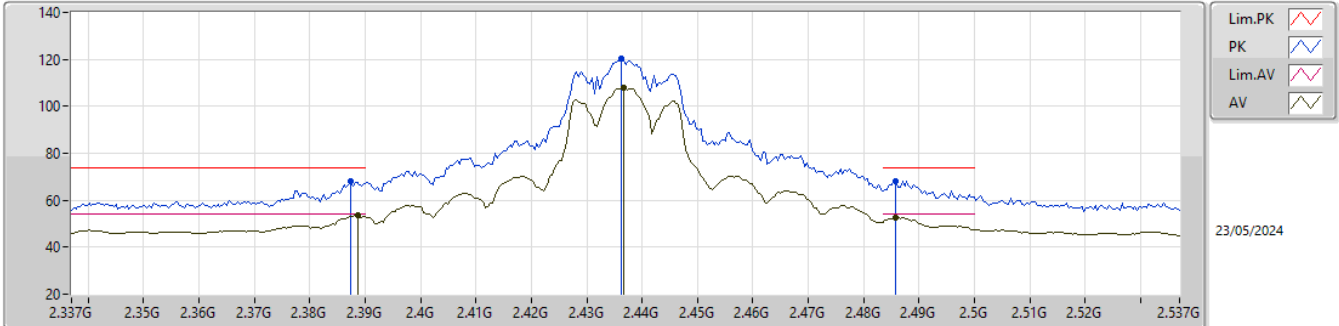


EUT_X_2TX
Setting 22
06-C-P-5

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	2.389G	62.35	74.00	-11.65	30.04	3	Vertical	43	1.80	-	27.60	4.71	-			
AV	2.3898G	48.78	54.00	-5.22	16.47	3	Vertical	43	1.80	-	27.60	4.71	-			
PK	2.4362G	113.42	Inf	-Inf	81.23	3	Vertical	43	1.80	-	27.44	4.75	-			
AV	2.4378G	101.25	Inf	-Inf	69.08	3	Vertical	43	1.80	-	27.42	4.75	-			
PK	2.485G	60.69	74.00	-13.31	28.44	3	Vertical	43	1.80	-	27.45	4.80	-			
AV	2.4835G	48.36	54.00	-5.64	16.12	3	Vertical	43	1.80	-	27.44	4.80	-			

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

2437MHz_TX

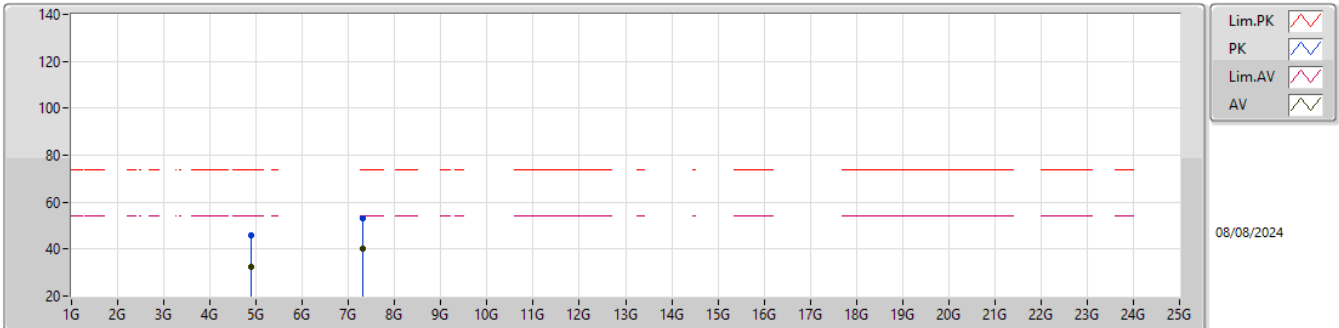


EUT_X_2TX
Setting 22
06-C-P-5

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	2.3874G	67.85	74.00	-6.15	35.54	3	Horizontal	58	1.50	-	27.60	4.71	-				
AV	2.3886G	53.41	54.00	-0.59	21.10	3	Horizontal	58	1.50	-	27.60	4.71	-				
PK	2.4362G	120.21	Inf	-Inf	88.02	3	Horizontal	58	1.50	-	27.44	4.75	-				
AV	2.4366G	107.75	Inf	-Inf	75.57	3	Horizontal	58	1.50	-	27.43	4.75	-				
PK	2.4858G	68.31	74.00	-5.69	36.05	3	Horizontal	58	1.50	-	27.46	4.80	-				
AV	2.4858G	52.68	54.00	-1.32	20.42	3	Horizontal	58	1.50	-	27.46	4.80	-				

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

2437MHz_TX

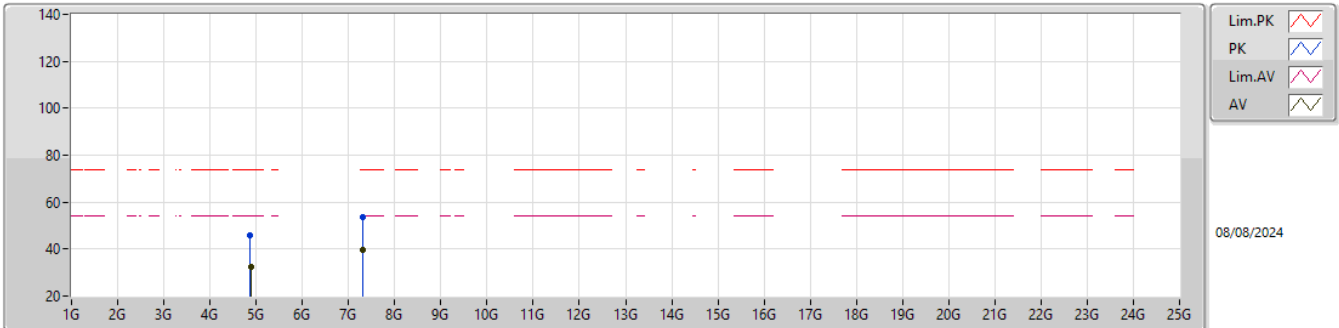


EUT_X_2TX
Setting 22
06-C-P-5

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	4.88186G	46.05	74.00	-27.95	40.02	3	Vertical	229.1	1.80	-	31.30	6.74	32.01			
AV	4.88828G	32.49	54.00	-21.51	26.44	3	Vertical	229.1	1.80	-	31.30	6.75	32.00			
PK	7.30602G	53.21	74.00	-20.79	41.44	3	Vertical	242	2.94	-	36.60	8.34	33.17			
AV	7.31274G	39.93	54.00	-14.07	28.17	3	Vertical	242	2.94	-	36.60	8.34	33.18			

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

2437MHz_TX

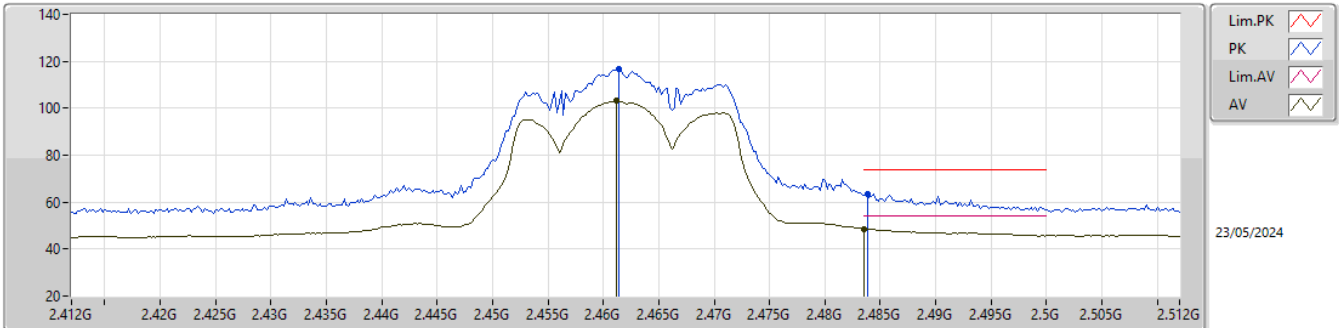


EUT_X_2TX
Setting 22
06-C-P-5

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	4.86716G	45.82	74.00	-28.18	39.80	3	Horizontal	153	2.07	-	31.30	6.73	32.01			
AV	4.8854G	32.33	54.00	-21.67	26.29	3	Horizontal	153	2.07	-	31.30	6.74	32.00			
PK	7.31586G	53.43	74.00	-20.57	41.67	3	Horizontal	87	1.80	-	36.60	8.34	33.18			
AV	7.30296G	39.74	54.00	-14.26	27.97	3	Horizontal	87	1.80	-	36.60	8.34	33.17			

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

2462MHz_TX

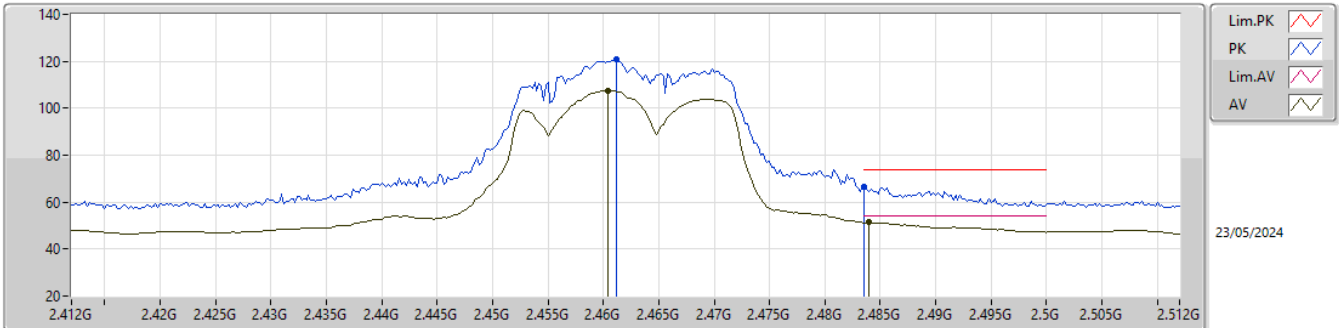


EUT_X_2TX
Setting 19.5
02-C-V-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4614G	116.55	Inf	-Inf	85.06	3	Vertical	356	1.04	-	28.41	3.08	-			
AV	2.4612G	103.05	Inf	-Inf	71.56	3	Vertical	356	1.04	-	28.41	3.08	-			
PK	2.4838G	63.65	74.00	-10.35	31.96	3	Vertical	356	1.04	-	28.60	3.09	-			
AV	2.4835G	48.52	54.00	-5.48	16.83	3	Vertical	356	1.04	-	28.60	3.09	-			

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

2462MHz_TX

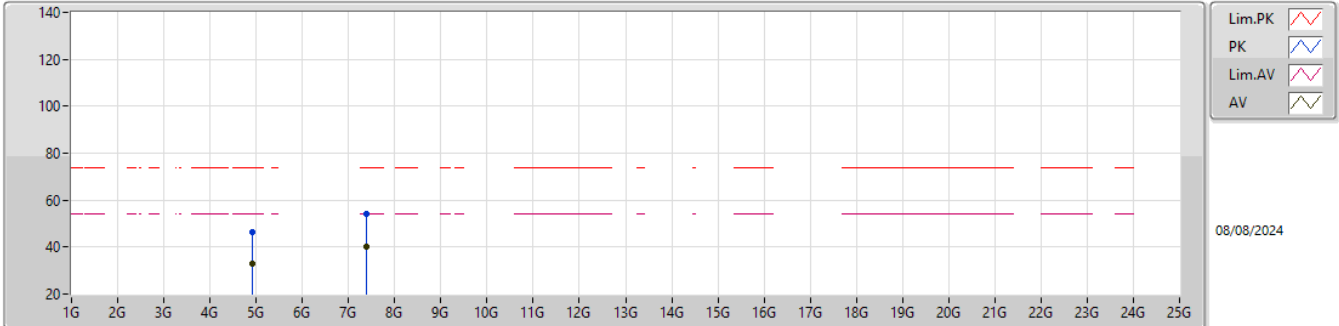


EUT_X_2TX
Setting 19.5
02-C-V-1

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	120.99	Inf	-Inf	89.50	3	Horizontal	48	1.03	-	28.41	3.08	-				
AV	2.4604G	107.59	Inf	-Inf	76.11	3	Horizontal	48	1.03	-	28.40	3.08	-				
PK	2.4835G	66.47	74.00	-7.53	34.78	3	Horizontal	48	1.03	-	28.60	3.09	-				
AV	2.484G	51.36	54.00	-2.64	19.67	3	Horizontal	48	1.03	-	28.60	3.09	-				

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

2462MHz_TX

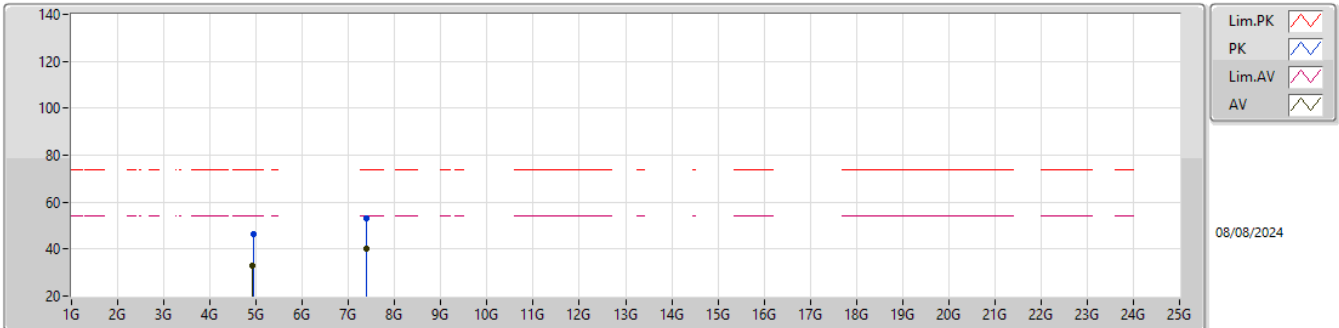


EUT_X_2TX
Setting 19.5
06-C-P-5

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	4.91596G	46.31	74.00	-27.69	40.17	3	Vertical	46	2.81	-	31.36	6.77	31.99			
AV	4.92466G	32.87	54.00	-21.13	26.67	3	Vertical	46	2.81	-	31.40	6.78	31.98			
PK	7.39662G	54.07	74.00	-19.93	42.61	3	Vertical	50	2.59	-	36.41	8.34	33.29			
AV	7.3806G	40.28	54.00	-13.72	28.73	3	Vertical	50	2.59	-	36.48	8.34	33.27			

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

2462MHz_TX

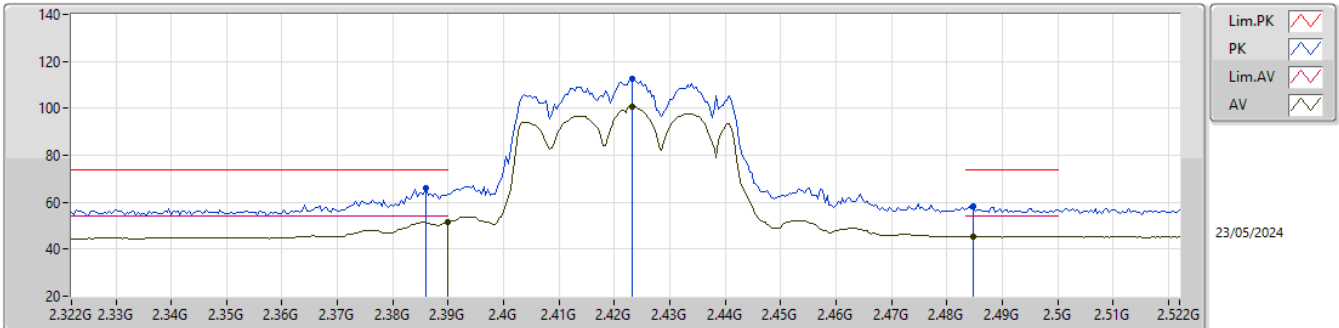


EUT_X_2TX
Setting 19.5
06-C-P-5

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	4.9363G	46.13	74.00	-27.87	39.87	3	Horizontal	120	1.28	-	31.45	6.79	31.98			
AV	4.92514G	32.84	54.00	-21.16	26.64	3	Horizontal	120	1.28	-	31.40	6.78	31.98			
PK	7.3824G	53.23	74.00	-20.77	41.69	3	Horizontal	82	1.21	-	36.47	8.34	33.27			
AV	7.38126G	40.27	54.00	-13.73	28.73	3	Horizontal	82	1.21	-	36.47	8.34	33.27			

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

2422MHz_TX

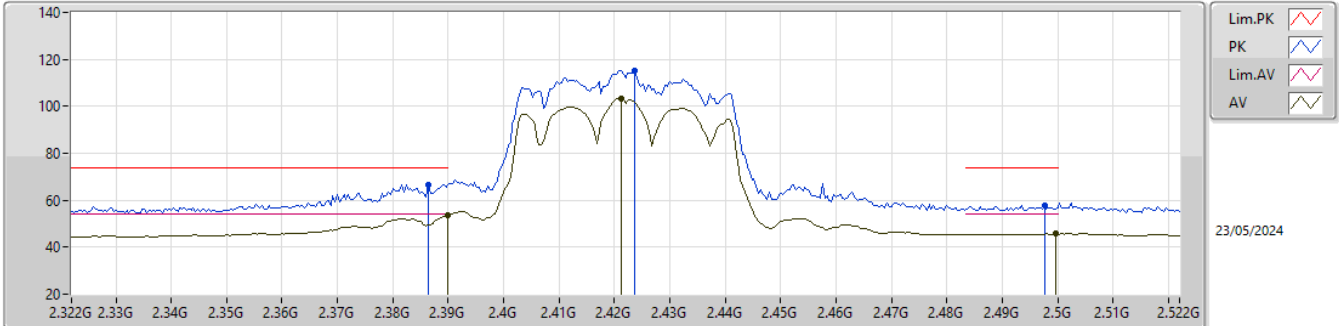


EUT_X_2TX
Setting 18.5
02-C-V-1

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	2.386G	66.20	74.00	-7.80	34.69	3	Vertical	10	2.92	-	28.46	3.05	-			
AV	2.39G	51.66	54.00	-2.34	20.10	3	Vertical	10	2.92	-	28.50	3.06	-			
PK	2.4232G	112.54	Inf	-Inf	81.04	3	Vertical	10	2.92	-	28.43	3.07	-			
AV	2.4232G	100.68	Inf	-Inf	69.18	3	Vertical	10	2.92	-	28.43	3.07	-			
PK	2.4848G	58.35	74.00	-15.65	26.66	3	Vertical	10	2.92	-	28.60	3.09	-			
AV	2.4848G	45.52	54.00	-8.48	13.83	3	Vertical	10	2.92	-	28.60	3.09	-			

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

2422MHz_TX

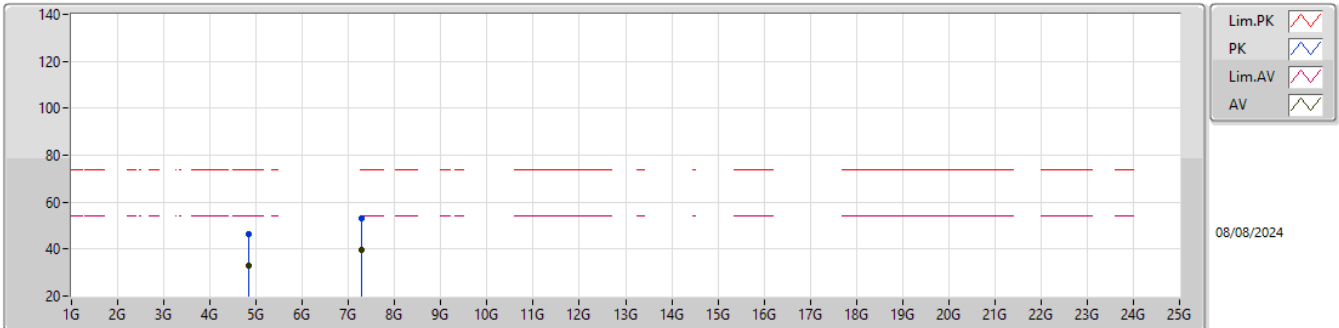


EUT_X_2TX
Setting 18.5
02-C-V-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3864G	66.79	74.00	-7.21	35.28	3	Horizontal	312	2.42	-	28.46	3.05	-			
AV	2.39G	53.46	54.00	-0.54	21.90	3	Horizontal	312	2.42	-	28.50	3.06	-			
PK	2.4236G	115.40	Inf	-Inf	83.89	3	Horizontal	312	2.42	-	28.44	3.07	-			
AV	2.4212G	103.50	Inf	-Inf	72.02	3	Horizontal	312	2.42	-	28.41	3.07	-			
PK	2.4976G	57.99	74.00	-16.01	26.29	3	Horizontal	312	2.42	-	28.60	3.10	-			
AV	2.4996G	45.79	54.00	-8.21	14.09	3	Horizontal	312	2.42	-	28.60	3.10	-			

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

2422MHz_TX

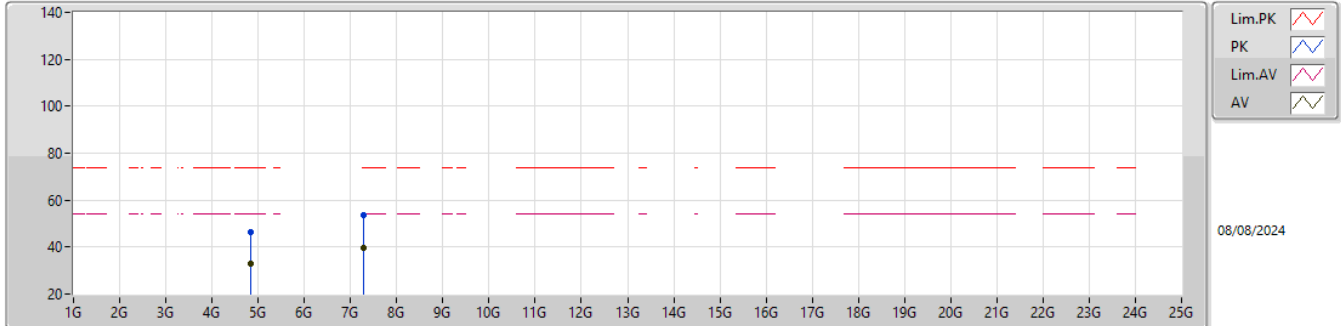


EUT_X_2TX
Setting 18.5
06-C-P-5

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	4.83308G	46.18	74.00	-27.82	40.18	3	Vertical	84	2.18	-	31.33	6.70	32.03			
AV	4.8299G	33.09	54.00	-20.91	27.09	3	Vertical	84	2.18	-	31.34	6.70	32.04			
PK	7.27908G	53.30	74.00	-20.70	41.58	3	Vertical	180	1.11	-	36.52	8.34	33.14			
AV	7.27752G	39.84	54.00	-14.16	28.13	3	Vertical	180	1.11	-	36.51	8.34	33.14			

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

2422MHz_TX

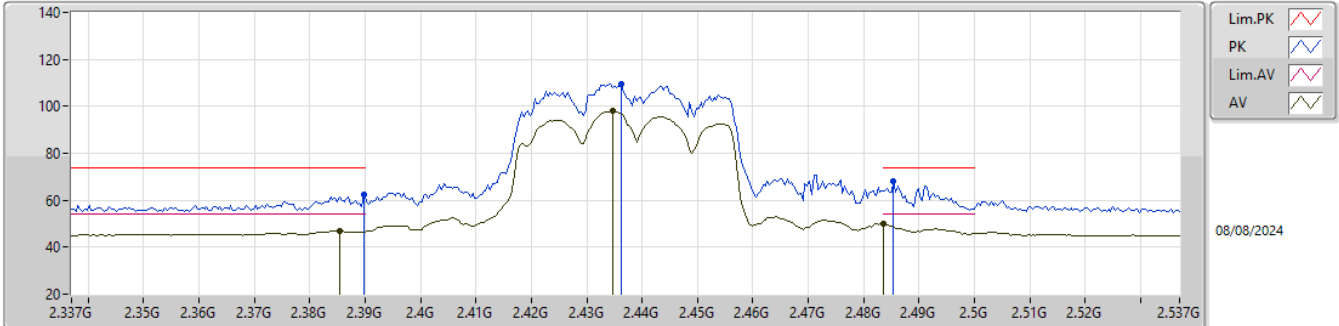


EUT_X_2TX
Setting 18.5
06-C-P-5

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	4.84094G	46.41	74.00	-27.59	40.42	3	Horizontal	286	1.94	-	31.32	6.70	32.03				
AV	4.83374G	32.96	54.00	-21.04	26.96	3	Horizontal	286	1.94	-	31.33	6.70	32.03				
PK	7.28094G	53.38	74.00	-20.62	41.66	3	Horizontal	343	1.42	-	36.52	8.34	33.14				
AV	7.27734G	39.85	54.00	-14.15	28.13	3	Horizontal	343	1.42	-	36.51	8.34	33.13				

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

2437MHz_TX

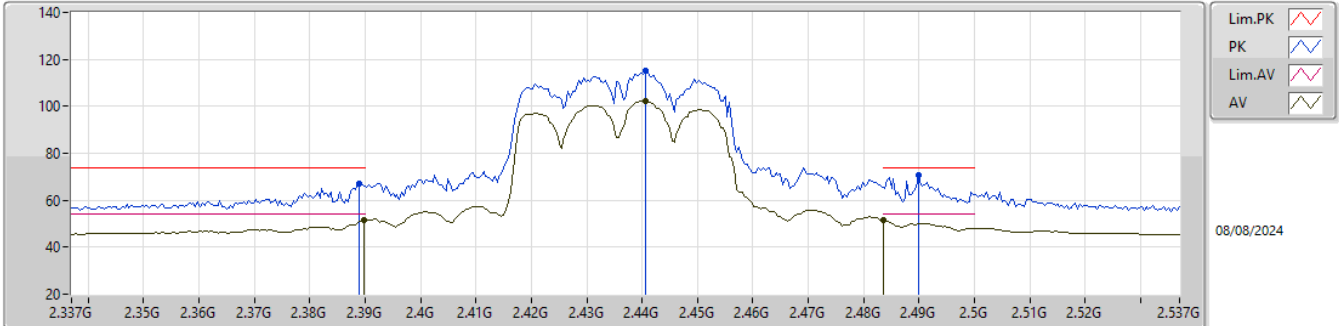


EUT_X_2TX
Setting 20
06-C-P-5

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	62.61	74.00	-11.39	30.30	3	Vertical	28	2.57	-	27.60	4.71	-			
AV	2.3854G	46.96	54.00	-7.04	14.66	3	Vertical	28	2.57	-	27.60	4.70	-			
PK	2.4362G	109.34	Inf	-Inf	77.15	3	Vertical	28	2.57	-	27.44	4.75	-			
AV	2.4346G	97.97	Inf	-Inf	65.77	3	Vertical	28	2.57	-	27.45	4.75	-			
PK	2.4854G	68.15	74.00	-5.85	35.90	3	Vertical	28	2.57	-	27.45	4.80	-			
AV	2.4835G	49.94	54.00	-4.06	17.71	3	Vertical	28	2.57	-	27.43	4.80	-			

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

2437MHz_TX

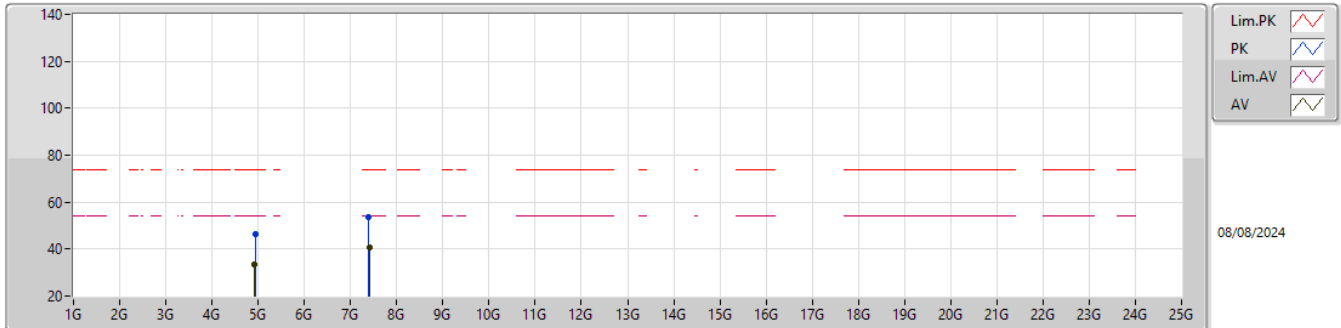


EUT_X_2TX
Setting 20
06-C-P-5

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	2.389G	67.25	74.00	-6.75	34.94	3	Horizontal	317	1.80	-	27.60	4.71	-			
AV	2.3898G	51.38	54.00	-2.62	19.07	3	Horizontal	317	1.80	-	27.60	4.71	-			
PK	2.4406G	114.96	Inf	-Inf	82.79	3	Horizontal	317	1.80	-	27.41	4.76	-			
AV	2.4406G	102.39	Inf	-Inf	70.22	3	Horizontal	317	1.80	-	27.41	4.76	-			
PK	2.4898G	70.57	74.00	-3.43	38.27	3	Horizontal	317	1.80	-	27.50	4.80	-			
AV	2.4835G	51.75	54.00	-2.25	19.52	3	Horizontal	317	1.80	-	27.43	4.80	-			

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

2437MHz_TX

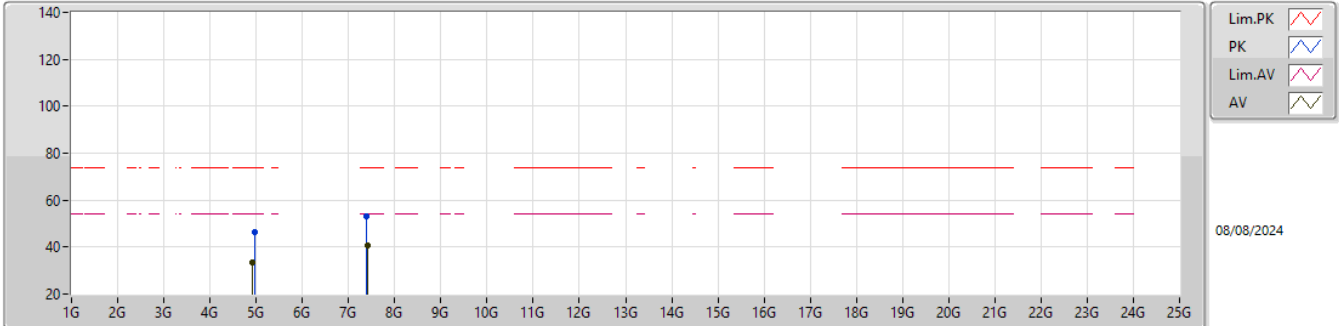


EUT_X_2TX
Setting 20
06-C-P-5

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	4.9372G	46.33	74.00	-27.67	40.07	3	Vertical	308	2.65	-	31.45	6.79	31.98			
AV	4.922G	33.59	54.00	-20.41	27.41	3	Vertical	308	2.65	-	31.39	6.77	31.98			
PK	7.3778G	53.56	74.00	-20.44	41.99	3	Vertical	150	2.20	-	36.49	8.34	33.26			
AV	7.4086G	40.84	54.00	-13.16	29.37	3	Vertical	150	2.20	-	36.42	8.35	33.30			

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

2437MHz_TX

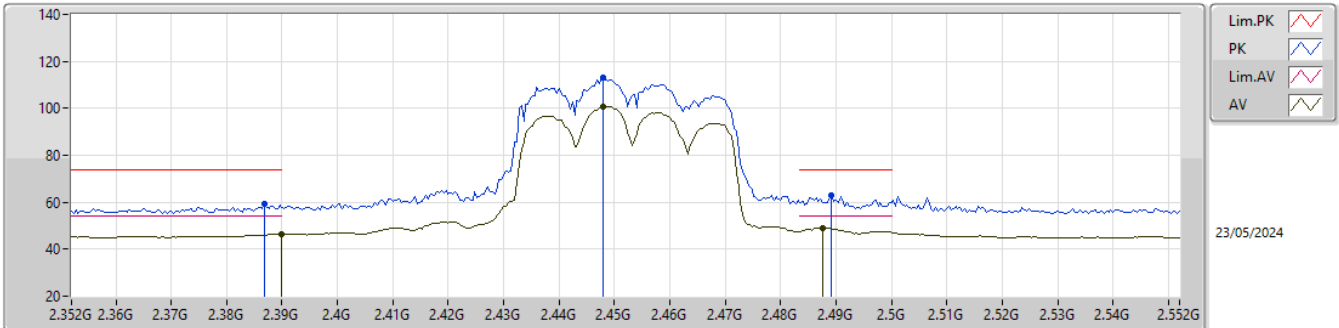


EUT_X_2TX
Setting 20
06-C-P-5

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	4.9712G	46.54	74.00	-27.46	40.14	3	Horizontal	202	2.32	-	31.54	6.82	31.96			
AV	4.9224G	33.38	54.00	-20.62	27.20	3	Horizontal	202	2.32	-	31.39	6.77	31.98			
PK	7.3782G	52.99	74.00	-21.01	41.42	3	Horizontal	290	1.56	-	36.49	8.34	33.26			
AV	7.4042G	40.76	54.00	-13.24	29.31	3	Horizontal	290	1.56	-	36.41	8.34	33.30			

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

2452MHz_TX

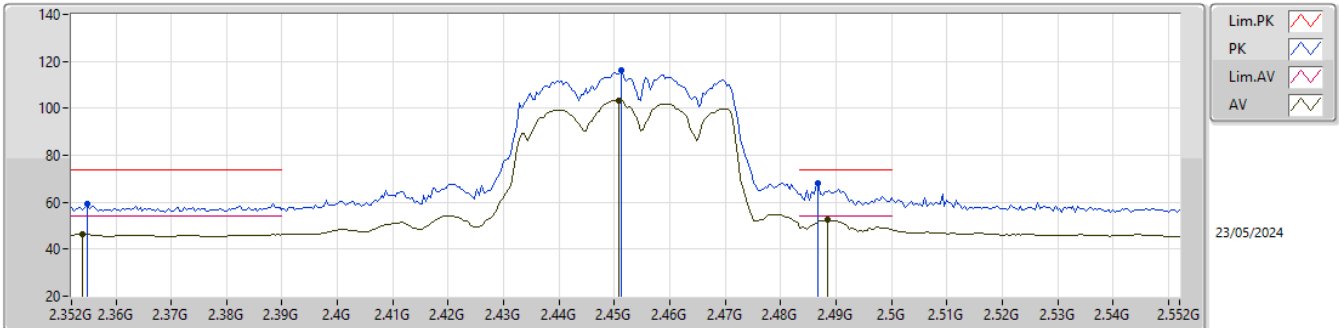


EUT_X_2TX
Setting 19
02-C-V-1

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	2.3868G	59.56	74.00	-14.44	28.04	3	Vertical	360	2.90	-	28.47	3.05	-			
AV	2.39G	46.54	54.00	-7.46	14.98	3	Vertical	360	2.90	-	28.50	3.06	-			
PK	2.448G	112.99	Inf	-Inf	81.41	3	Vertical	360	2.90	-	28.50	3.08	-			
AV	2.448G	100.80	Inf	-Inf	69.22	3	Vertical	360	2.90	-	28.50	3.08	-			
PK	2.4892G	63.14	74.00	-10.86	31.44	3	Vertical	360	2.90	-	28.60	3.10	-			
AV	2.4876G	49.22	54.00	-4.78	17.52	3	Vertical	360	2.90	-	28.60	3.10	-			

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

2452MHz_TX

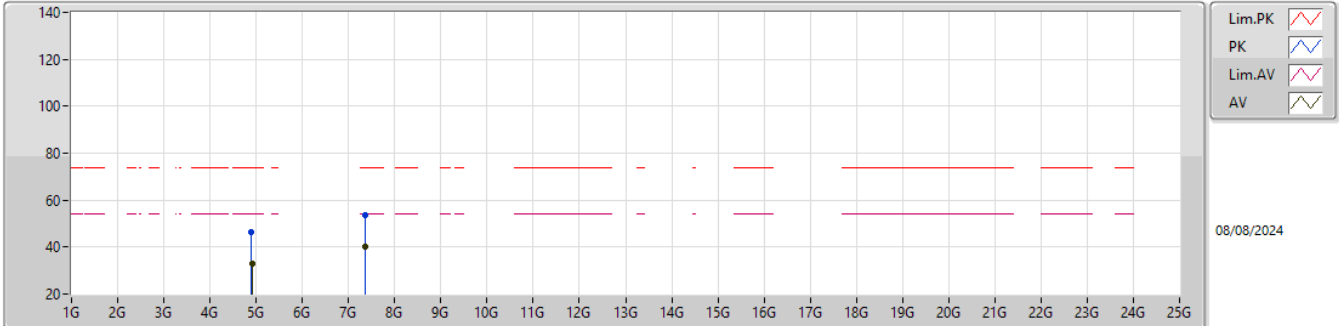


EUT_X_2TX
Setting 19
02-C-V-1

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	2.3548G	59.06	74.00	-14.94	27.67	3	Horizontal	49	1.00	-	28.35	3.04	-			
AV	2.354G	46.33	54.00	-7.67	14.95	3	Horizontal	49	1.00	-	28.34	3.04	-			
PK	2.4512G	116.00	Inf	-Inf	84.43	3	Horizontal	49	1.00	-	28.49	3.08	-			
AV	2.4508G	103.51	Inf	-Inf	71.94	3	Horizontal	49	1.00	-	28.49	3.08	-			
PK	2.4868G	68.03	74.00	-5.97	36.34	3	Horizontal	49	1.00	-	28.60	3.09	-			
AV	2.4884G	52.44	54.00	-1.56	20.74	3	Horizontal	49	1.00	-	28.60	3.10	-			

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

2452MHz_TX

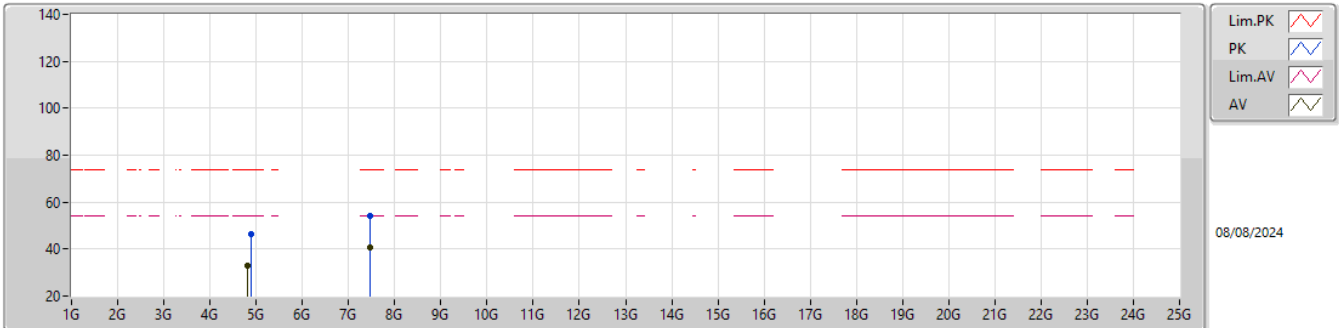


EUT_X_2TX
Setting 19
06-C-P-5

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	4.89728G	46.20	74.00	-27.80	40.15	3	Vertical	3	1.49	-	31.30	6.75	32.00			
AV	4.91666G	33.13	54.00	-20.87	26.98	3	Vertical	3	1.49	-	31.37	6.77	31.99			
PK	7.35306G	53.81	74.00	-20.19	42.11	3	Vertical	219	2.43	-	36.59	8.34	33.23			
AV	7.3644G	40.35	54.00	-13.65	28.72	3	Vertical	219	2.43	-	36.54	8.34	33.25			

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

2452MHz_TX



EUT_X_2TX
Setting 19
06-C-P-5

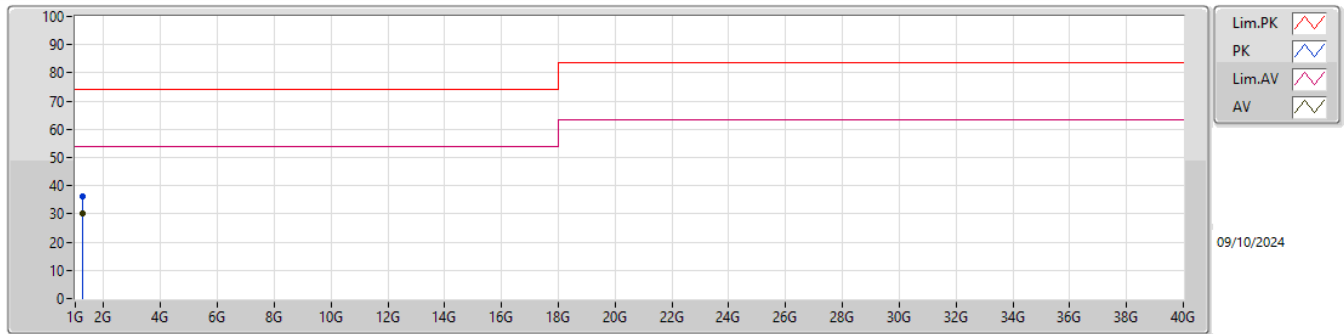
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.8788G	46.49	74.00	-27.51	40.46	3	Horizontal	228	1.20	-	31.30	6.74	32.01			
AV	4.822G	33.17	54.00	-20.83	27.16	3	Horizontal	228	1.20	-	31.36	6.69	32.04			
PK	7.4556G	54.04	74.00	-19.96	42.52	3	Horizontal	89	1.52	-	36.49	8.39	33.36			
AV	7.4552G	40.91	54.00	-13.09	29.39	3	Horizontal	89	1.52	-	36.49	8.39	33.36			



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.2452G	29.96	54.00	-24.04	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	1.2524G	36.02	74.00	-37.98	-6.68	3	Vertical	160	1.13	-	42.70	25.68	4.46	36.82		
AV	1.2452G	29.96	54.00	-24.04	-6.61	3	Vertical	160	1.13	"Worst"	36.57	25.75	4.46	36.82		

Mode 1

