



RADIO TEST REPORT

FCC ID : MSQ-USBAX9200
Equipment : Dual-band AX1800 USB WiFi Adapter
Brand Name : ASUS
Model Name : USB-AX57 Nano, USB-AX55 Nano V2
Applicant : ASUSTeK COMPUTER INC.
1F., No. 15, Lide Rd., Beitou, Taipei City 112, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Apr. 15, 2025, and testing was started from Apr. 23, 2025 and completed on Jun. 06, 2025. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

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

Reviewed by: Sam Chen

Report Producer: Wendy Pan



1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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

**1.1.2 Antenna Information**

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	LYNwave	ALX21M-222AA8-01	PIFA Antenna	N/A	Note 1
2	2	LYNwave	ALX21M-222AA8-01	PIFA Antenna	N/A	

Note 1

Note 1

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3
1	-0.6	0.4	0.4	1.8	2.6
2	-0.9	0.5	0.5	2.8	3

Note2: The above information was declared by manufacturer.

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

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 $N_{ANT} \leq 4$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{in}} \left[\sum_{k=1}^{N_{out}} \xi_{j,k} \right]^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{in}} \left[\sum_{k=1}^{N_{out}} \xi_{j,k} \right]^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{in}} \left[\sum_{k=1}^{N_{out}} \xi_{j,k} \right]^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

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

Where ;

$$2.4G \ G1 = -0.6 \text{ dBi} ; G2 = -0.9 \text{ dBi} ;$$

$$5G \ UNII-1 \ G1 = 0.4 \text{ dBi} ; G2 = 0.5 \text{ dBi} ;$$

$$5G \ UNII-2A \ G1 = 0.4 \text{ dBi} ; G2 = 0.5 \text{ dBi}$$

$$5G \ UNII-2C \ G1 = 1.8 \text{ dBi} ; G2 = 2.8 \text{ dBi} ;$$

$$5G \ UNII-3 \ G1 = 2.6 \text{ dBi} ; G2 = 3 \text{ dBi} ;$$

$$2.4G \ DG = 2.26 \text{ dBi}$$

$$5G \ UNII-1 \ DG = 3.46 \text{ dBi}$$

$$5G \ UNII-2A \ DG = 3.46 \text{ dBi}$$

$$5G \ UNII-2C \ DG = 5.32 \text{ dB}$$

$$5G \ UNII-3 \ DG = 5.81 \text{ dBi}$$

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss 1,(1D)	0.999	0.01	8.194m	10Hz (DC>=0.98)
802.11g_Nss 1,(6D)	0.995	0.02	1.361m	10Hz (DC>=0.98)
802.11ax HEW20_Nss 1,(M0)	0.994	0.03	1.193m	10Hz (DC>=0.98)
802.11ax HEW40_Nss 1,(M0)	0.989	0.05	648.438u	10Hz (DC>=0.98)

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From host system			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	AX Series MP Toolkit v1.1.27			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Model Name	Description
USB-AX57 Nano	Sold via retailer
USB-AX55 Nano V2	Sold via online wholesaler

Note 1: From the above, model: USB-AX57 Nano was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.



1.2 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	TH02-CB	Nyle Chang	21.1~22.8 / 60~64	May 27, 2025
Radiated below 1GHz	03CH05-CB	Black Lu	21.5~22.9 / 57~60	Jun. 05, 2025~ Jun. 06, 2025
Radiated above 1GHz	03CH04-CB	Black Lu	21.4~22.6 / 57~61	May 05, 2025~ May 26, 2025
AC Conduction	CO01-CB	Tim Chen	22~23 / 61~62	Apr. 23, 2025



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: Before May 28, 2025

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 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%

Test date: after May 27, 2025

Test Items	Uncertainty	Remark
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.7 dB	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
2437MHz
2462MHz
802.11ax HEW40_Nss1,(MCS0)_2TX
2422MHz
2437MHz
2452MHz

Note:

- ♦ HEW20 / HEW40 covers HT20 / HT40 / VHT20 / VHT40 due to similar modulation. The power setting for HT20 / HT40 / VHT20 / VHT40 is the same or lower than HEW20 / HEW40.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT + WLAN 2.4GHz
2	EUT + WLAN 5GHz
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
Test Mode	EUT

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



2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	Lenovo	L440	N/A
B	Earphone	e-Power	GT-02	N/A
C	Mouse	acer	MOJFUO	N/A
D	AP Router	TP-LINK	Archer C54	TE7C54

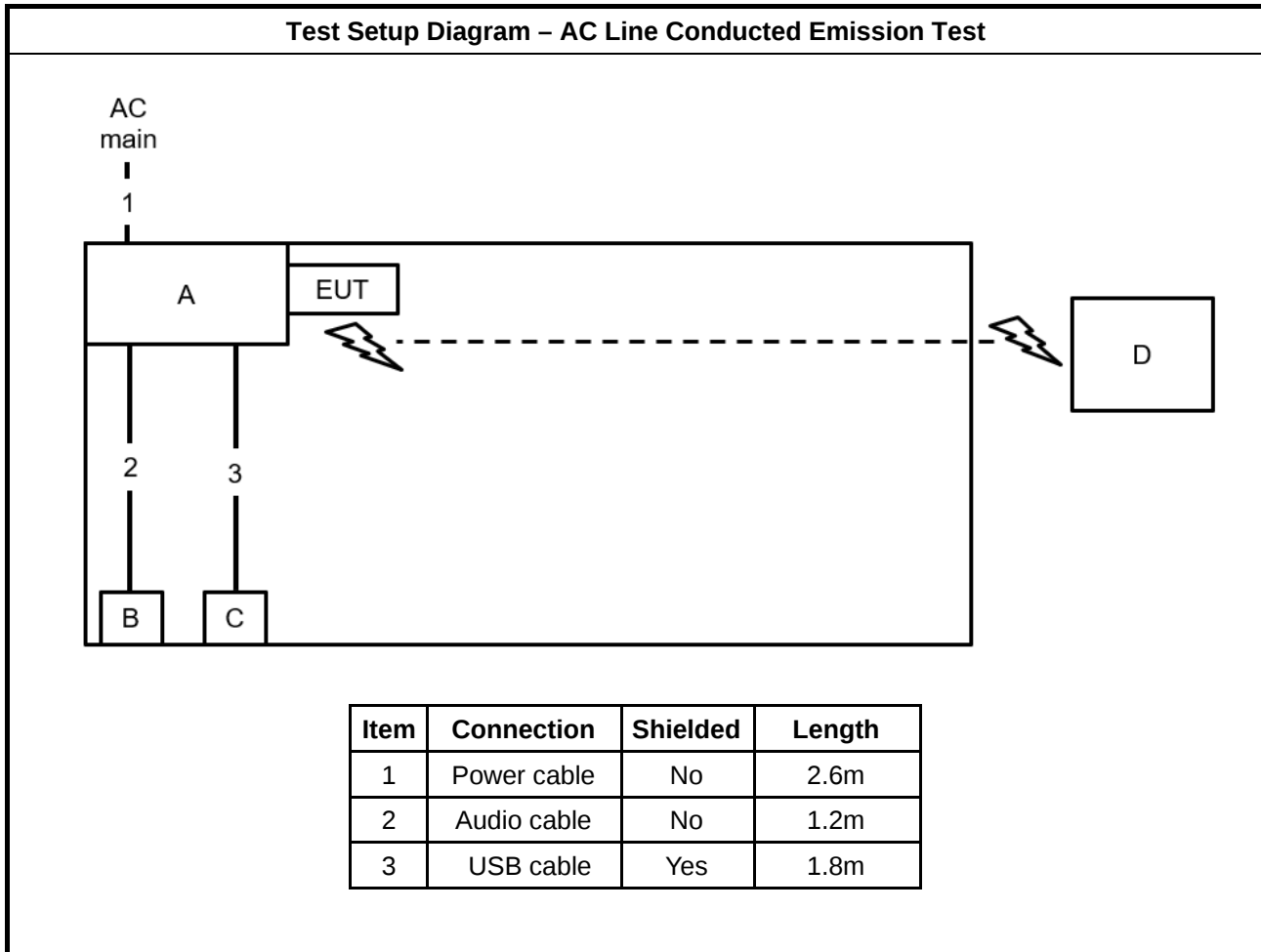
For Radiated:

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

For RF Conducted:

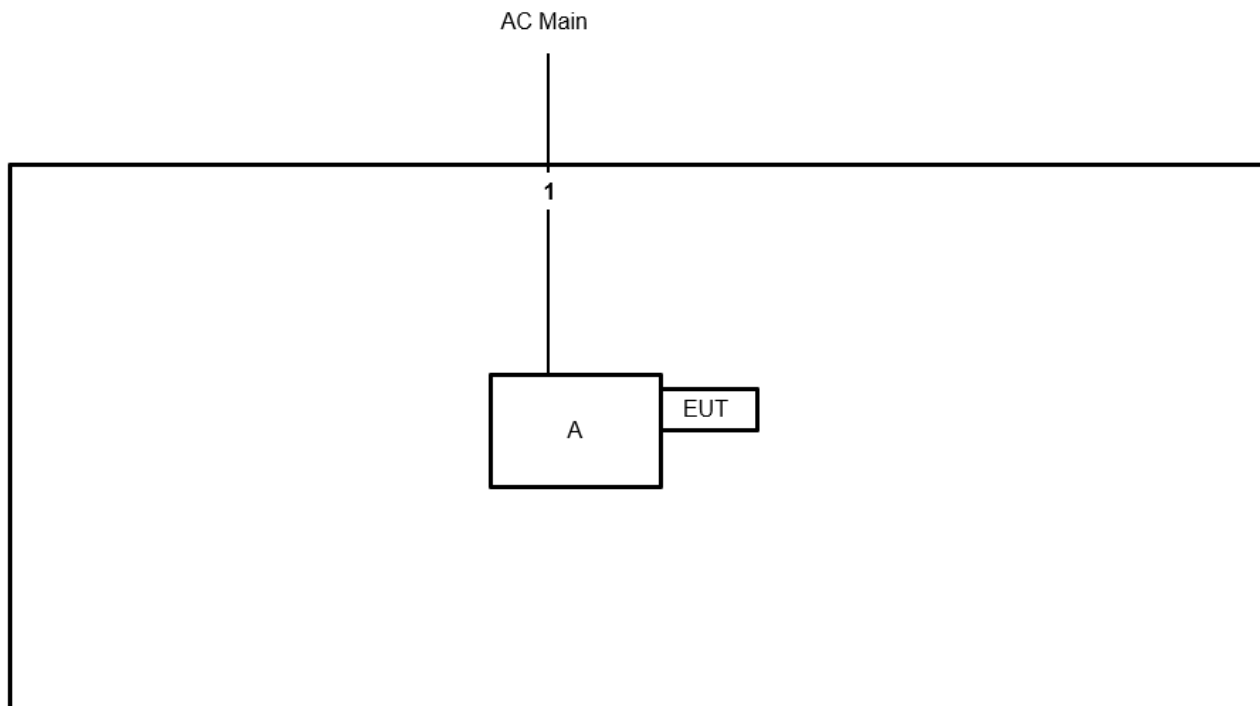
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram





Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	Power cable	No	2.6m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

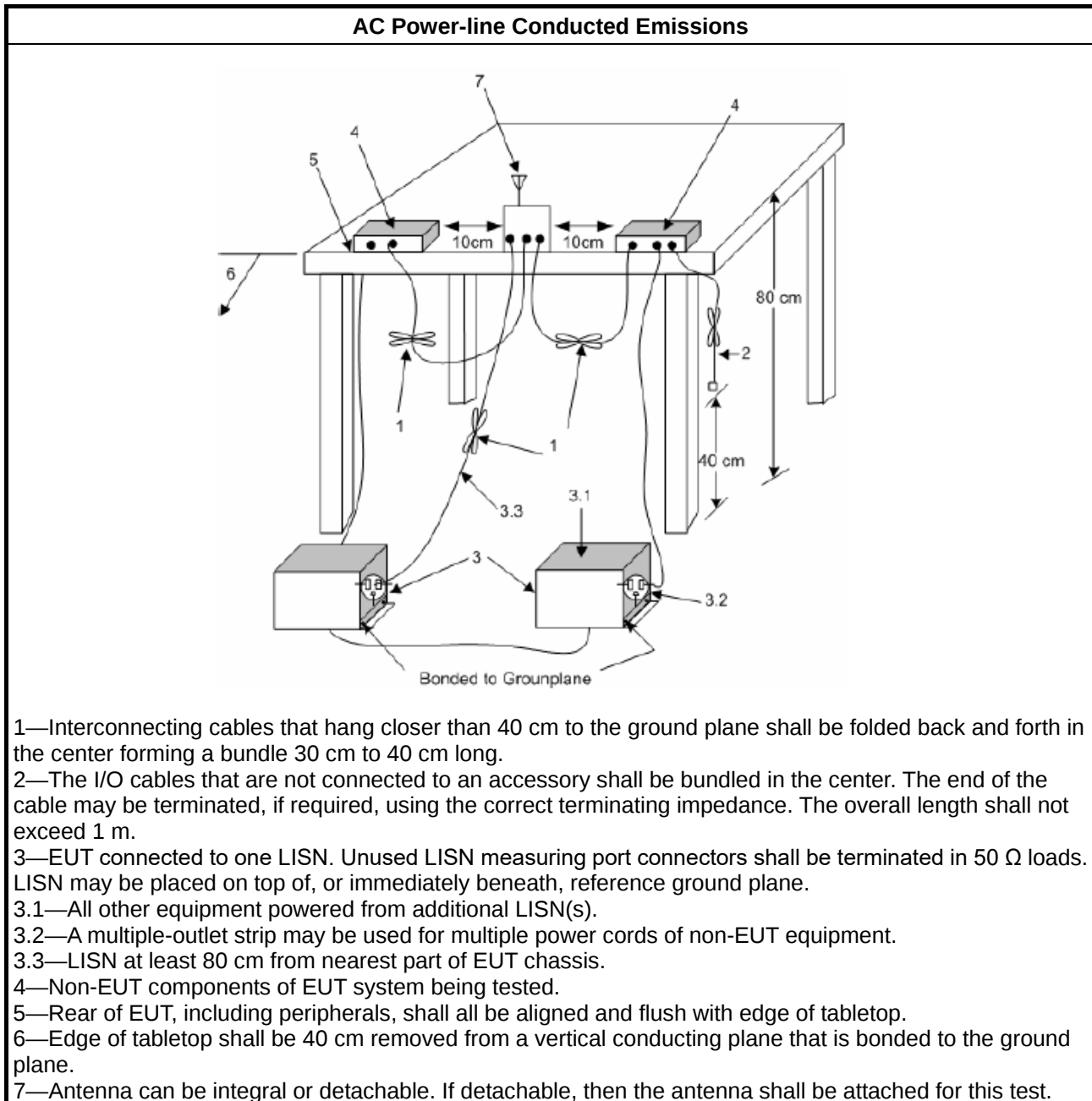
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

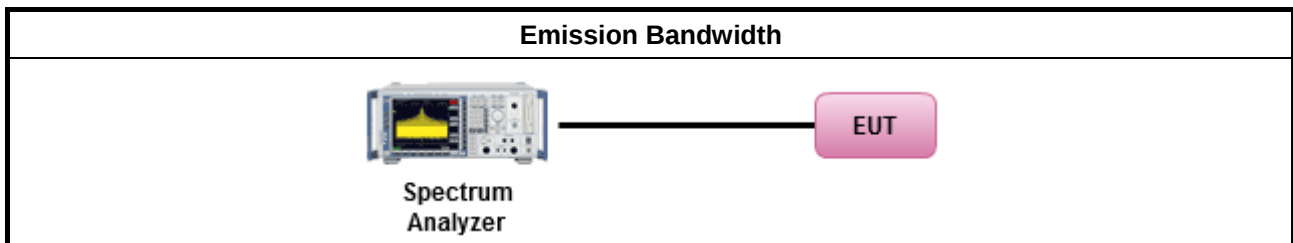
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

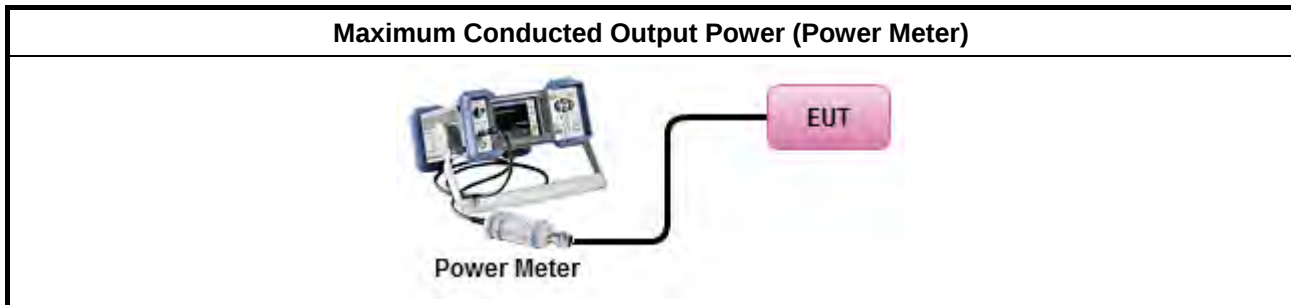
3.3.2 Measuring Instruments

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

**3.3.3 Test Procedures**

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

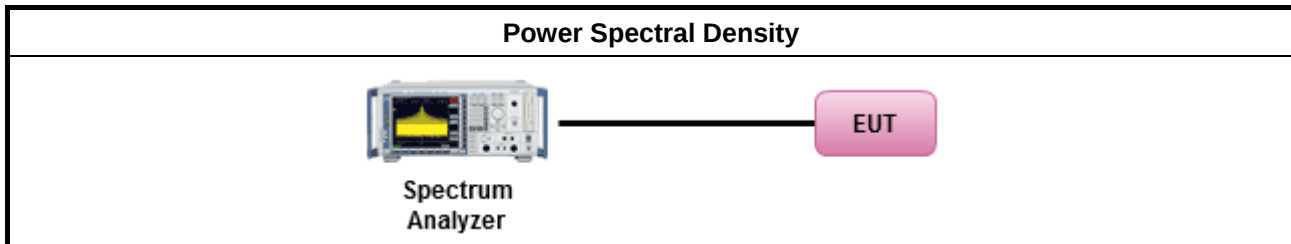
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

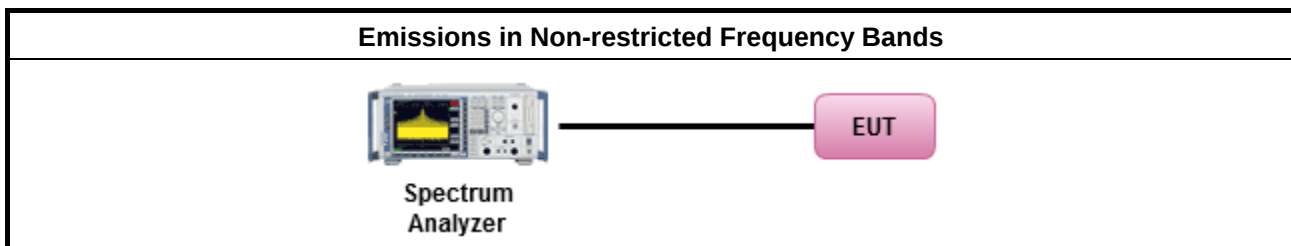
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

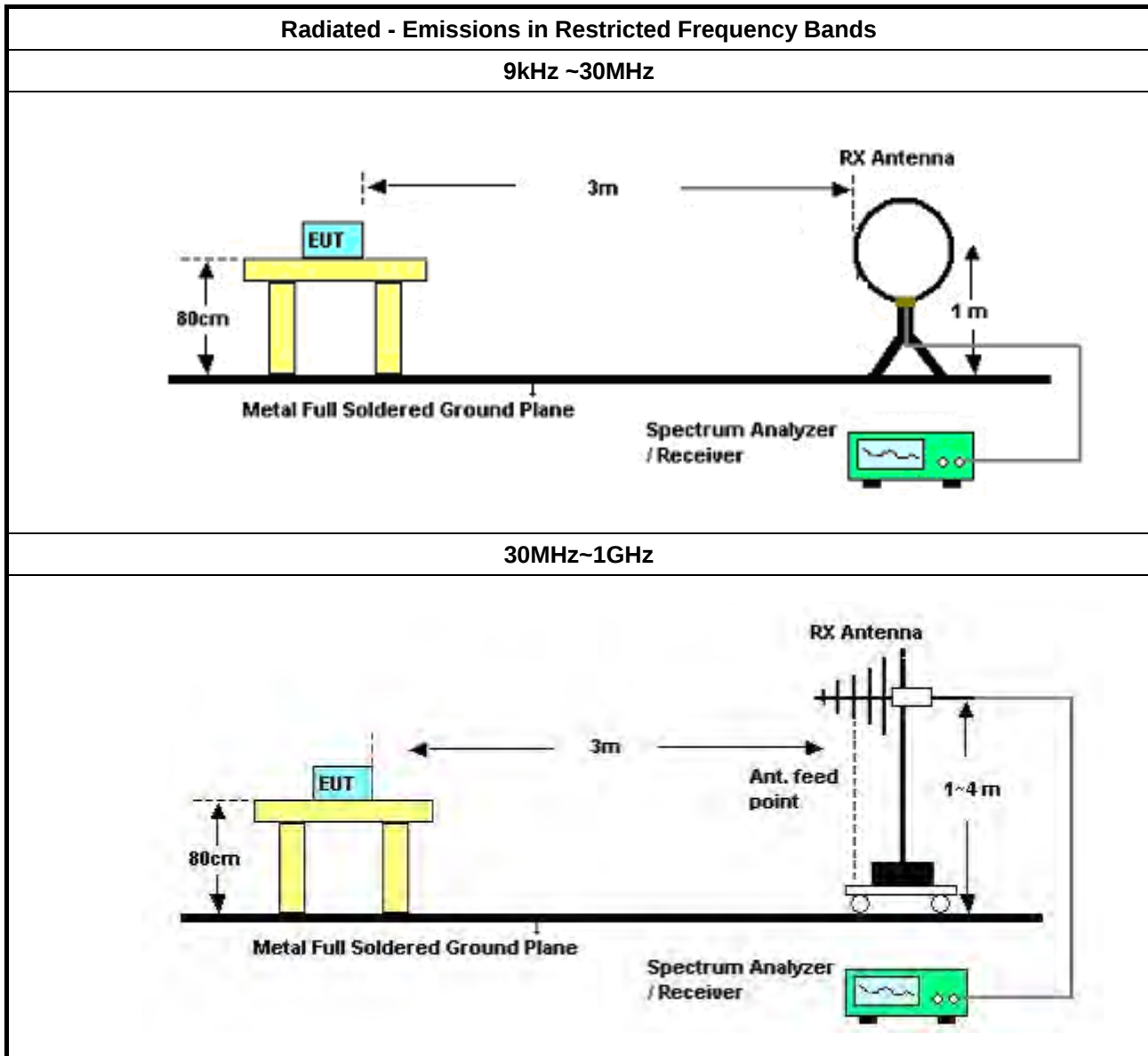
3.6.2 Measuring Instruments

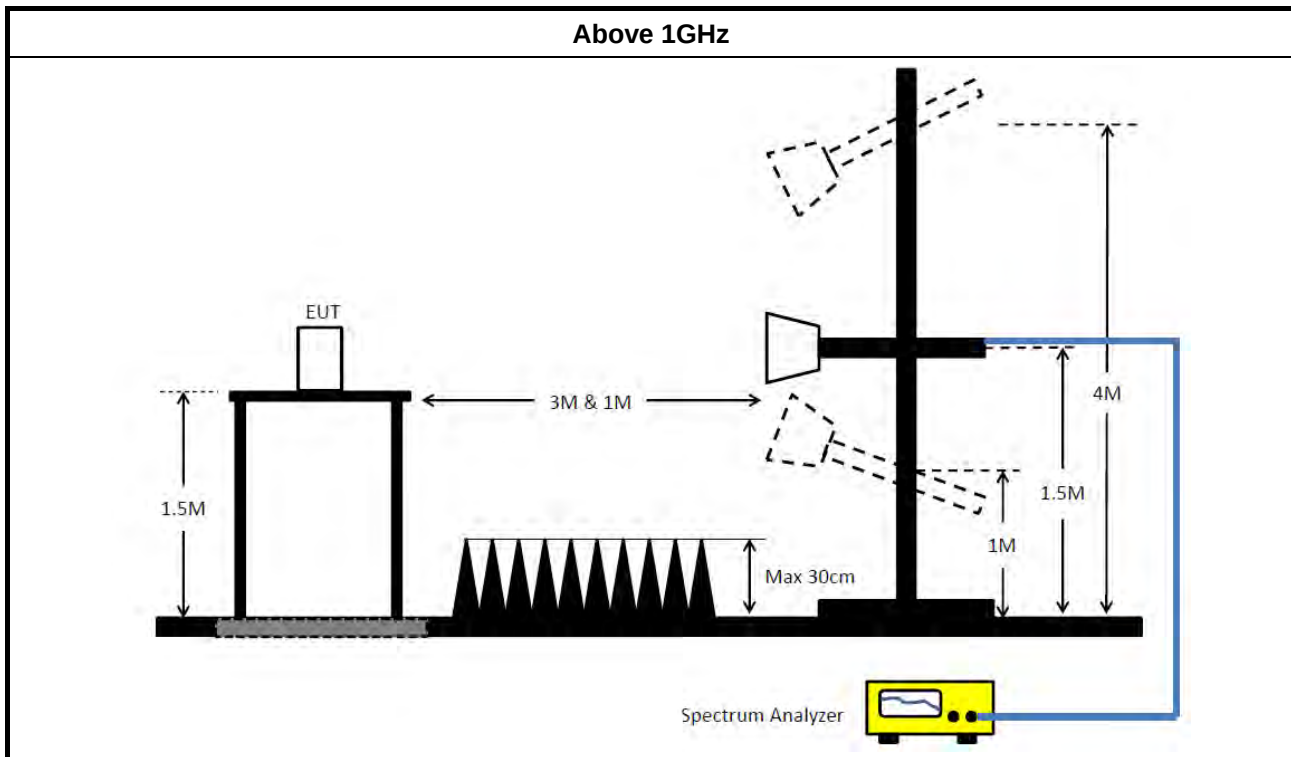
Refer a test equipment and calibration data table in this test report.

**3.6.3 Test Procedures**

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

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 06, 2025	Mar. 05, 2026	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 18, 2025	Feb. 17, 2026	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Feb. 06, 2025	Feb. 05, 2026	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	CO01	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 17, 2024	Oct. 16, 2025	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 01, 2024	Jul. 31, 2025	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 22, 2025	Mar. 21, 2026	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2025	Apr. 30, 2026	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 21, 2025	Apr. 20, 2026	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 21, 2025	Feb. 20, 2026	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120D-01816	1GHz~18GHz	Dec. 20, 2024	Dec. 19, 2025	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH5265	20211115-1	1~ 26.5GHz	Jan. 16, 2025	Jan. 15, 2026	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 24, 2025	Mar. 23, 2026	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Apr. 25, 2025	Apr. 24, 2026	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Apr. 25, 2025	Apr. 24, 2026	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-15247_DTS	V5.11.23	2.4GHz-2.4835G Hz	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 27, 2024	Aug. 26, 2025	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 18, 2024	Oct. 17, 2025	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 18, 2024	Oct. 17, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1–18 GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH02-CB)
Test Software	SPORTON	SENSE-15247_DTS	V5.11.23	2.4GHz-2.4835G Hz	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

N.C.R. means Non-Calibration required.



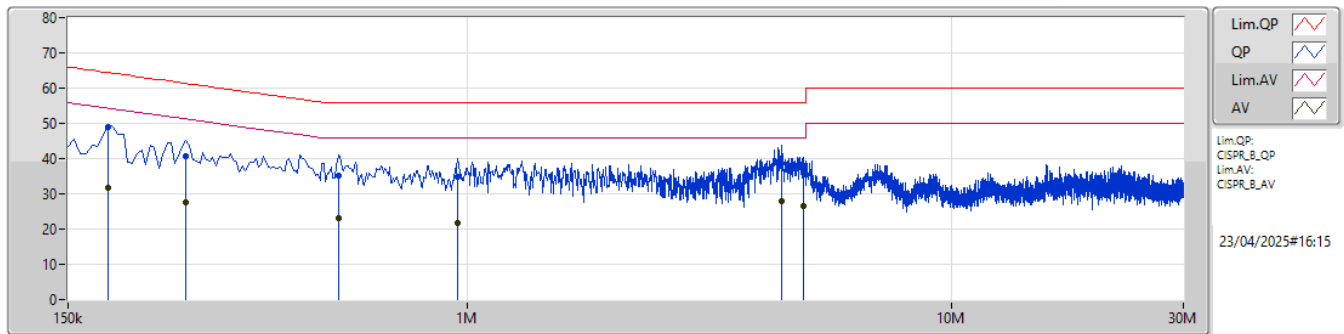
Conducted Emissions at Powerline

Appendix A

Summary

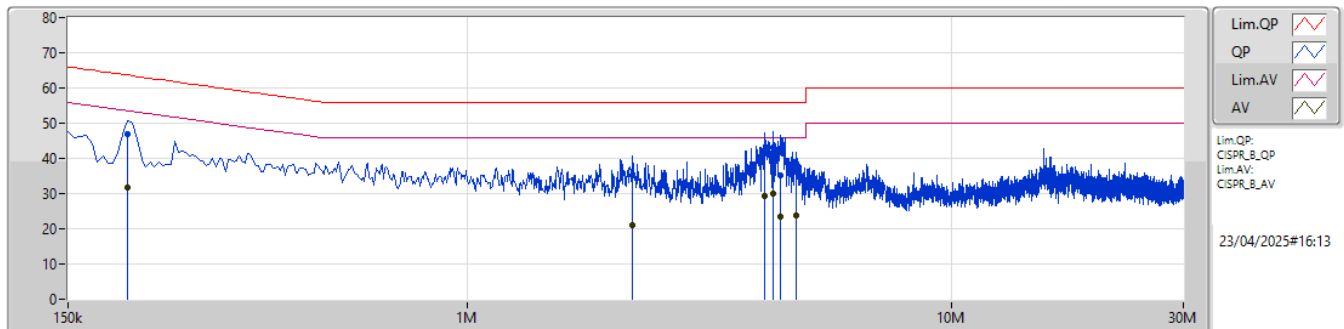
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	4.272M	43.14	56.00	-12.86	Neutral

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	181.5k	48.94	64.41	-15.47	10.05	Line	"Worst"	38.89	0.04	0.07	9.94						
AV	181.5k	31.61	54.41	-22.80	10.05	Line	-	21.56	0.04	0.07	9.94						
QP	262.5k	40.85	61.35	-20.50	10.11	Line	-	30.74	0.04	0.08	9.99						
AV	262.5k	27.48	51.35	-23.87	10.11	Line	-	17.37	0.04	0.08	9.99						
QP	541.5k	35.03	56.00	-20.97	10.24	Line	-	24.79	0.05	0.10	10.09						
AV	541.5k	23.12	46.00	-22.88	10.24	Line	-	12.88	0.05	0.10	10.09						
QP	955.5k	34.88	56.00	-21.12	10.31	Line	-	24.57	0.07	0.09	10.15						
AV	955.5k	21.75	46.00	-24.25	10.31	Line	-	11.44	0.07	0.09	10.15						
QP	4.457M	38.49	56.00	-17.51	10.17	Line	-	28.32	0.13	0.15	9.89						
AV	4.457M	27.90	46.00	-18.10	10.17	Line	-	17.73	0.13	0.15	9.89						
QP	4.938M	35.93	56.00	-20.07	10.17	Line	-	25.76	0.14	0.15	9.88						
AV	4.938M	26.66	46.00	-19.34	10.17	Line	-	16.49	0.14	0.15	9.88						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	199.5k	47.03	63.63	-16.60	10.06	Neutral	-	36.97	0.04	0.07	9.95						
AV	199.5k	31.63	53.63	-22.00	10.06	Neutral	-	21.57	0.04	0.07	9.95						
QP	2.189M	35.25	56.00	-20.75	10.15	Neutral	-	25.10	0.07	0.14	9.94						
AV	2.189M	21.15	46.00	-24.85	10.15	Neutral	-	11.00	0.07	0.14	9.94						
QP	4.101M	41.97	56.00	-14.03	10.14	Neutral	-	31.83	0.09	0.15	9.90						
AV	4.101M	29.25	46.00	-16.75	10.14	Neutral	-	19.11	0.09	0.15	9.90						
QP	4.272M	43.14	56.00	-12.86	10.14	Neutral	"Worst"	33.00	0.10	0.15	9.89						
AV	4.272M	30.11	46.00	-15.89	10.14	Neutral	-	19.97	0.10	0.15	9.89						
QP	4.43M	35.29	56.00	-20.71	10.14	Neutral	-	25.15	0.10	0.15	9.89						
AV	4.43M	23.62	46.00	-22.38	10.14	Neutral	-	13.48	0.10	0.15	9.89						
QP	4.776M	36.53	56.00	-19.47	10.14	Neutral	-	26.39	0.11	0.15	9.88						
AV	4.776M	23.85	46.00	-22.15	10.14	Neutral	-	13.71	0.11	0.15	9.88						

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	10.25M	14.921M	14M9G1D	9.975M	14.859M
802.11g_Nss1,(6Mbps)_2TX	16.5M	16.404M	16M4D1D	16.325M	16.327M
802.11ax HEW20_Nss1,(MCS0)_2TX	19.05M	18.959M	19M0D1D	17.675M	18.846M
802.11ax HEW40_Nss1,(MCS0)_2TX	38.15M	37.932M	37M9D1D	37.35M	37.767M

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	9.975M	14.859M	10.1M	14.921M
2437MHz	Pass	500k	10.025M	14.882M	10.25M	14.908M
2462MHz	Pass	500k	10.125M	14.881M	10.1M	14.911M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.5M	16.404M	16.4M	16.359M
2437MHz	Pass	500k	16.5M	16.338M	16.4M	16.327M
2462MHz	Pass	500k	16.5M	16.346M	16.325M	16.347M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.05M	18.917M	17.675M	18.867M
2437MHz	Pass	500k	19M	18.897M	19.05M	18.9M
2462MHz	Pass	500k	18.95M	18.846M	18.45M	18.959M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	38.15M	37.801M	38.15M	37.792M
2437MHz	Pass	500k	38.15M	37.855M	37.45M	37.767M
2452MHz	Pass	500k	37.95M	37.932M	37.35M	37.812M

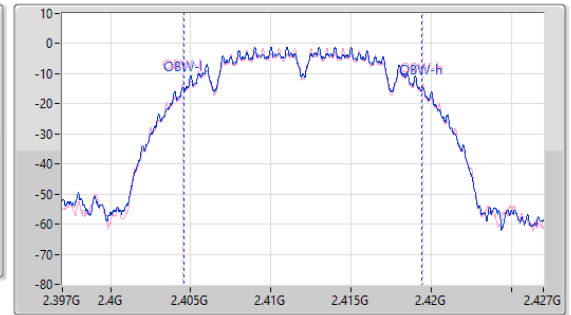
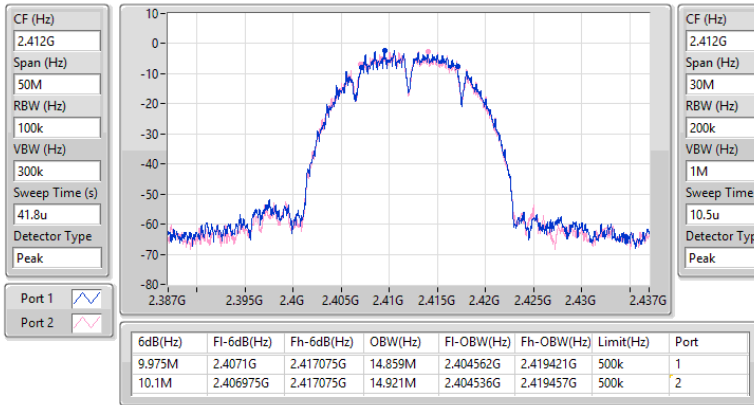
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2412MHz

27/05/2025

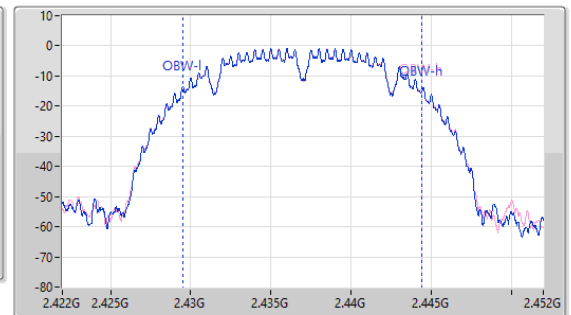
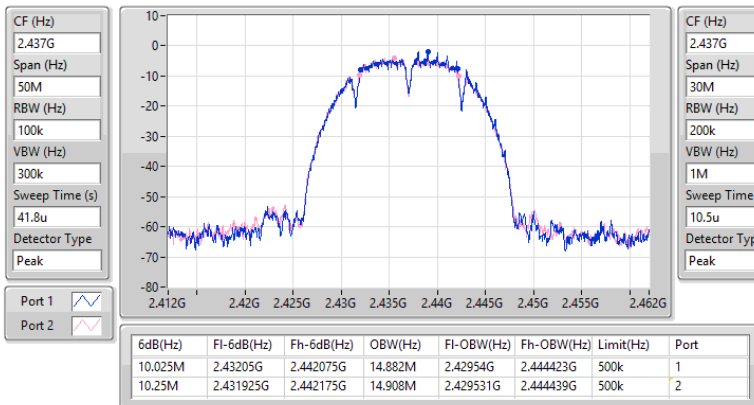


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

27/05/2025

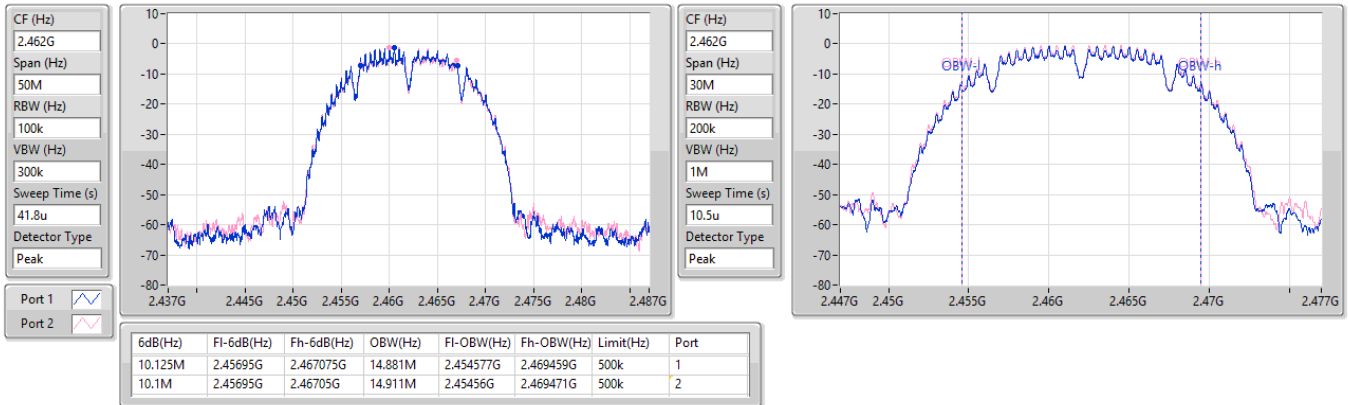


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

27/05/2025

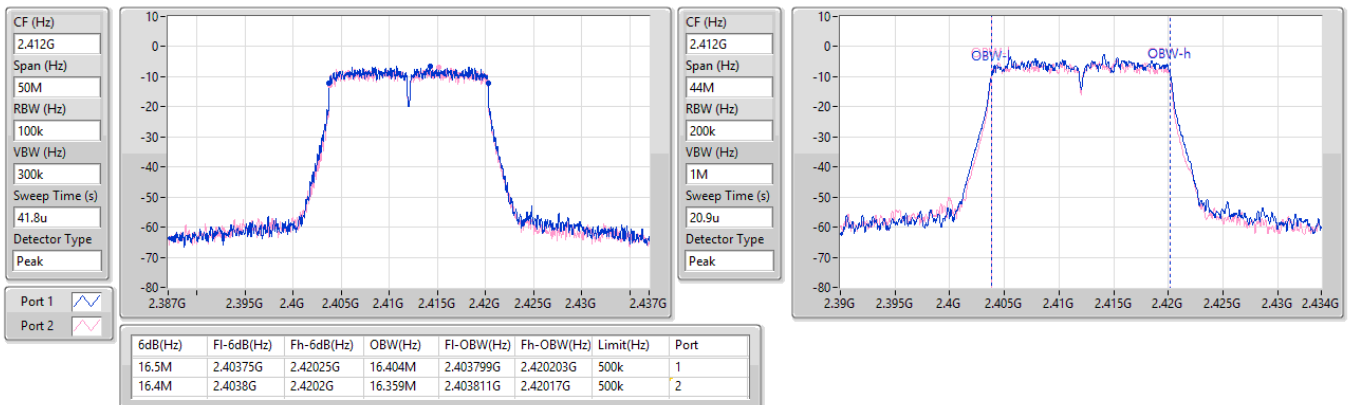


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

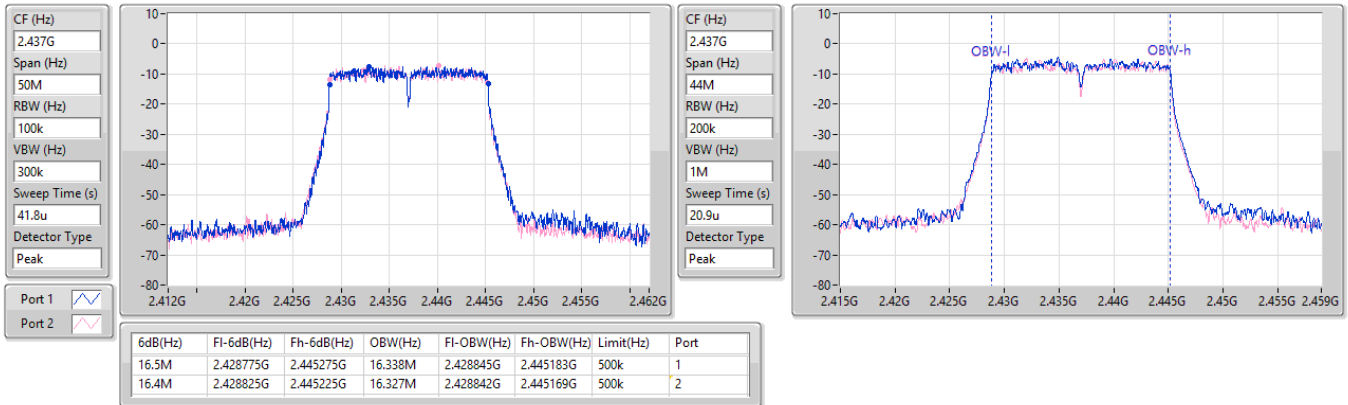
2412MHz

27/05/2025

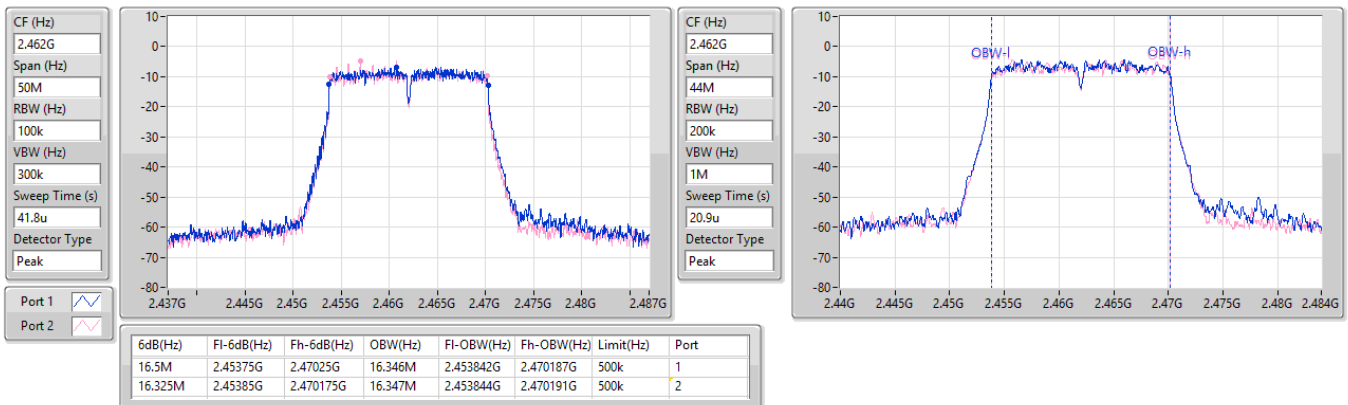


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

27/05/2025


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

27/05/2025

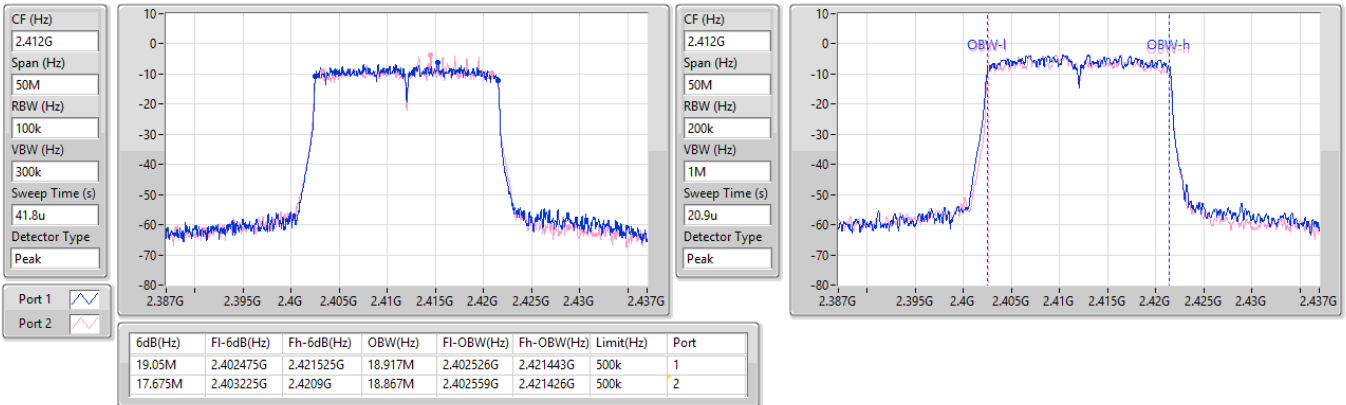


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

27/05/2025

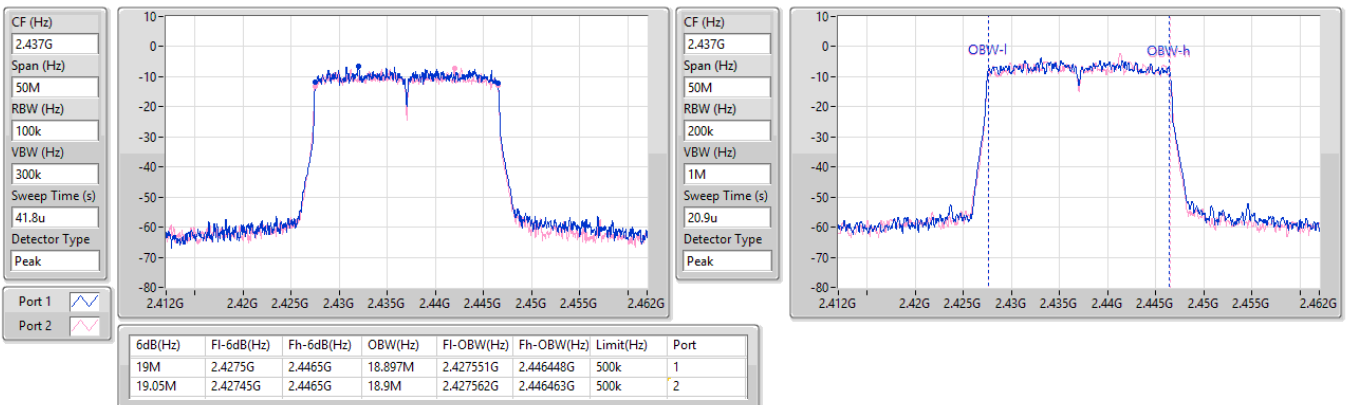


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

27/05/2025

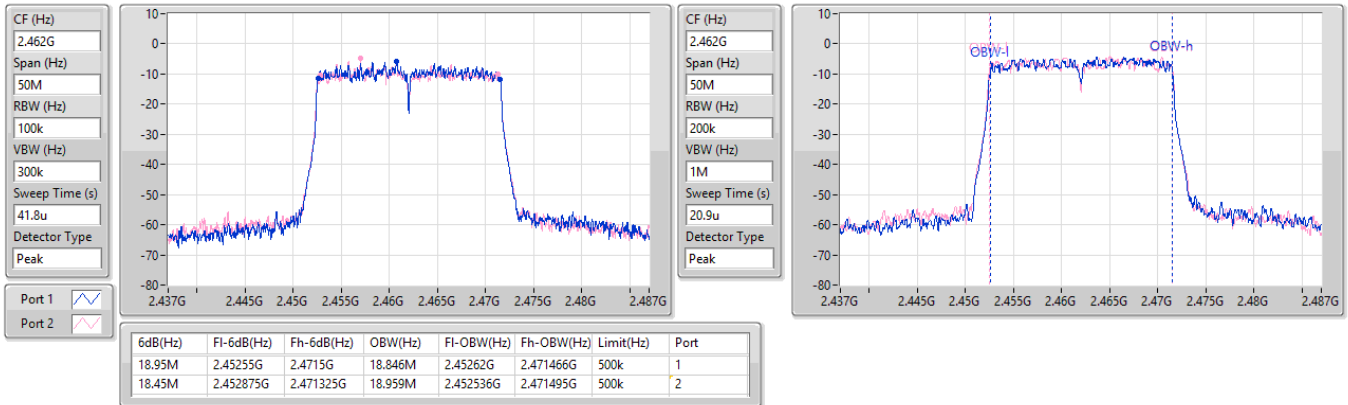


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

27/05/2025

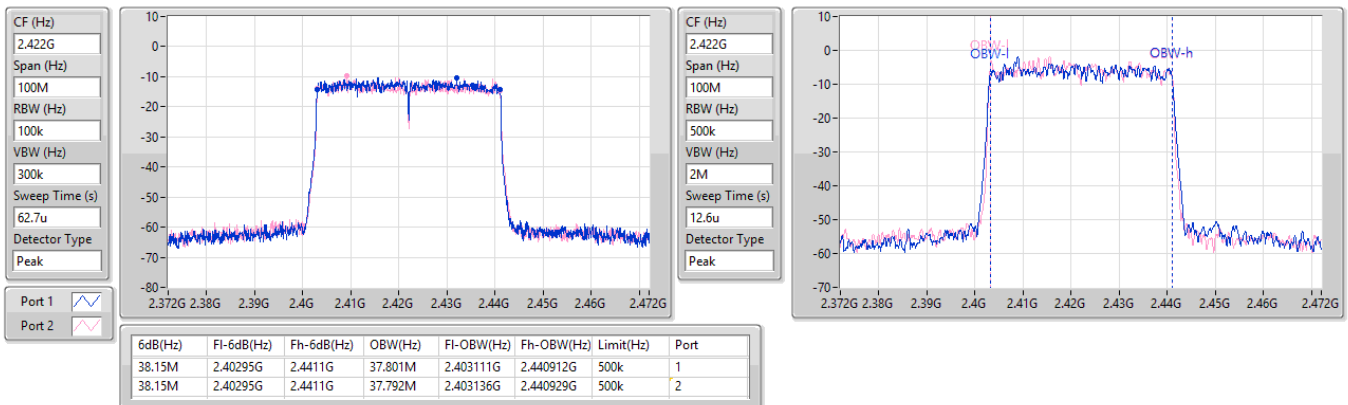


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2422MHz

27/05/2025

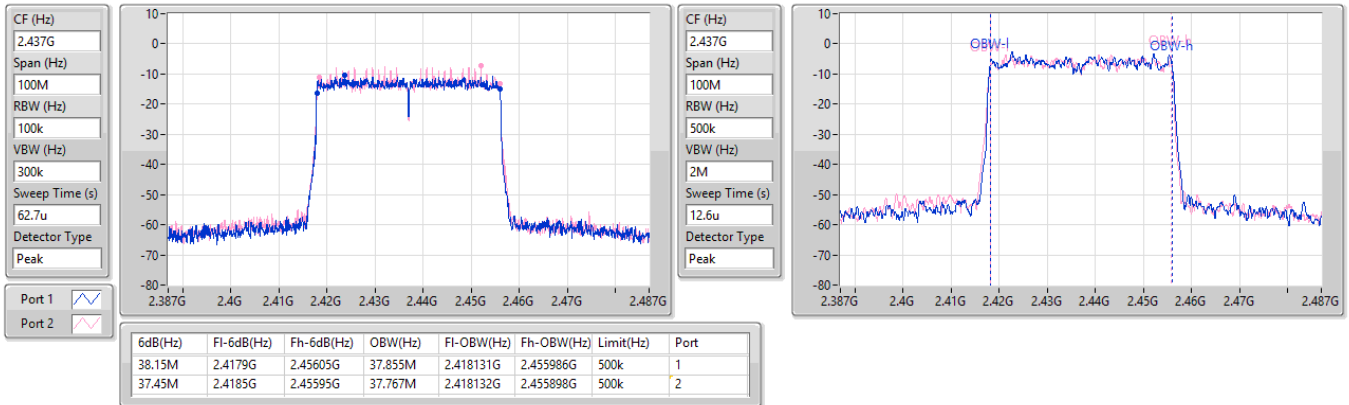


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

27/05/2025

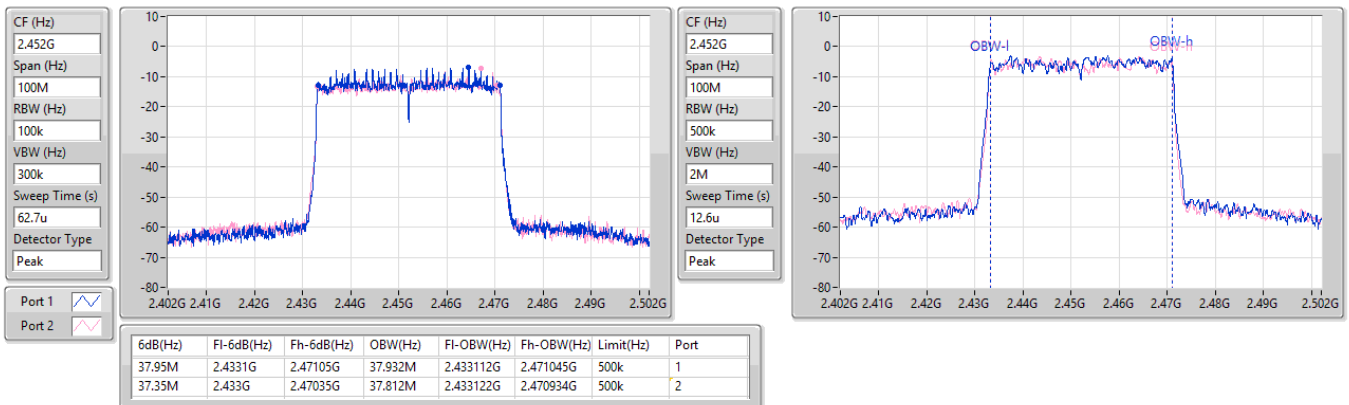


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

27/05/2025





Average Power

Appendix C

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	12.31	0.01702
802.11g_Nss1,(6Mbps)_2TX	10.96	0.01247
802.11ax HEW20_Nss1,(MCS0)_2TX	11.08	0.01282
802.11ax HEW40_Nss1,(MCS0)_2TX	10.54	0.01132

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	-0.60	9.24	8.73	12.00	30.00
2437MHz	Pass	-0.60	9.12	9.16	12.15	30.00
2462MHz	Pass	-0.60	9.13	9.46	12.31	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	-0.60	8.12	7.78	10.96	30.00
2437MHz	Pass	-0.60	7.38	7.25	10.33	30.00
2462MHz	Pass	-0.60	7.88	7.14	10.54	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	-0.60	8.41	7.70	11.08	30.00
2437MHz	Pass	-0.60	7.56	7.15	10.37	30.00
2462MHz	Pass	-0.60	7.98	7.26	10.65	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	-0.60	7.46	7.15	10.32	30.00
2437MHz	Pass	-0.60	7.57	7.11	10.36	30.00
2452MHz	Pass	-0.60	7.81	7.24	10.54	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-12.79
802.11g_Nss1,(6Mbps)_2TX	-16.13
802.11ax HEW20_Nss1,(MCS0)_2TX	-16.73
802.11ax HEW40_Nss1,(MCS0)_2TX	-19.46

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	2.26	-15.12	-15.38	-12.79	8.00
2437MHz	Pass	2.26	-15.97	-16.33	-13.46	8.00
2462MHz	Pass	2.26	-16.33	-15.64	-13.39	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.26	-19.44	-19.90	-16.75	8.00
2437MHz	Pass	2.26	-20.76	-19.99	-17.47	8.00
2462MHz	Pass	2.26	-18.95	-19.34	-16.13	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.26	-19.23	-19.21	-16.73	8.00
2437MHz	Pass	2.26	-19.50	-19.94	-17.22	8.00
2462MHz	Pass	2.26	-19.32	-19.13	-17.18	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.26	-23.17	-22.96	-20.38	8.00
2437MHz	Pass	2.26	-22.97	-22.84	-20.03	8.00
2452MHz	Pass	2.26	-22.48	-21.60	-19.46	8.00

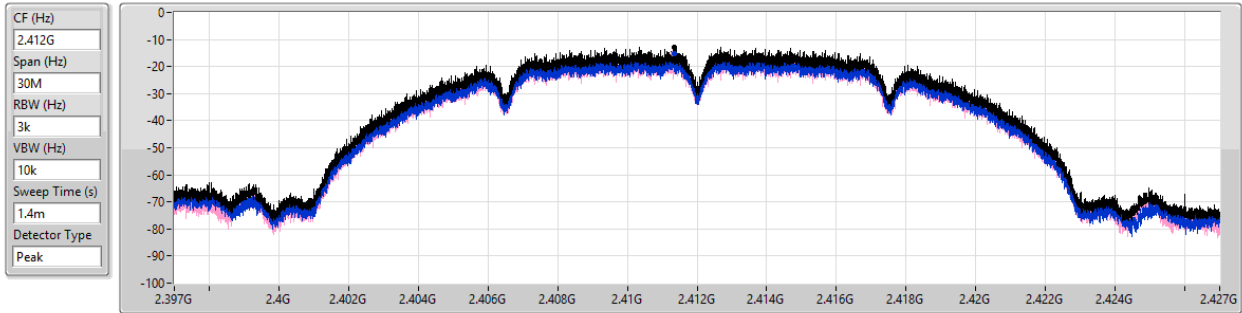
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

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

PSD

2412MHz

27/05/2025

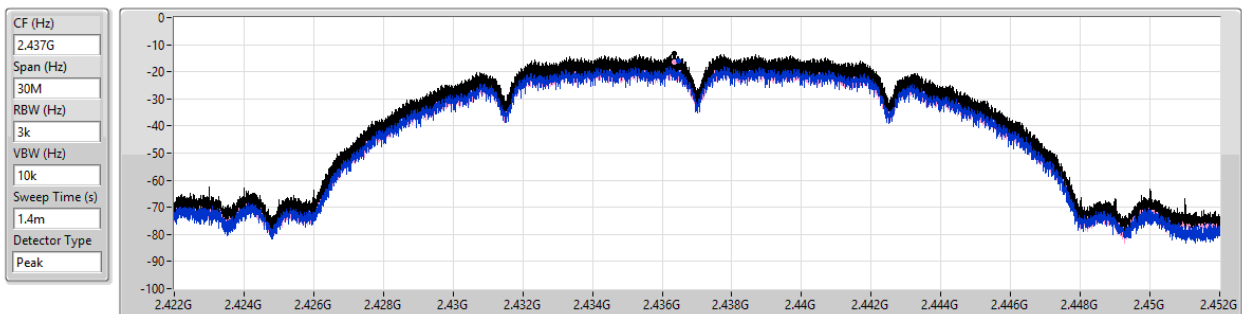


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

27/05/2025



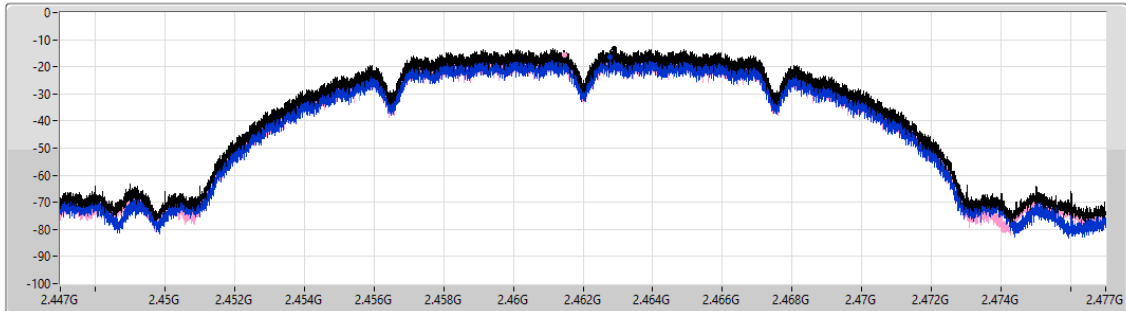
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

27/05/2025

CF (Hz)
2.462G
Span (Hz)
30M
RBW (Hz)
3k
VBW (Hz)
10k
Sweep Time (s)
1.4m
Detector Type
Peak



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.39	-13.39	-16.33	-15.64

Sum
Port 1
Port 2

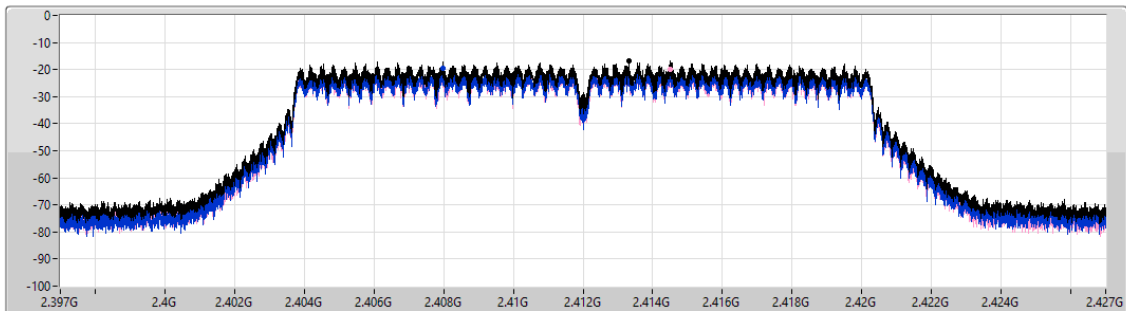
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

27/05/2025

CF (Hz)
2.412G
Span (Hz)
30M
RBW (Hz)
3k
VBW (Hz)
10k
Sweep Time (s)
1.4m
Detector Type
Peak



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-16.75	-16.75	-19.44	-19.90

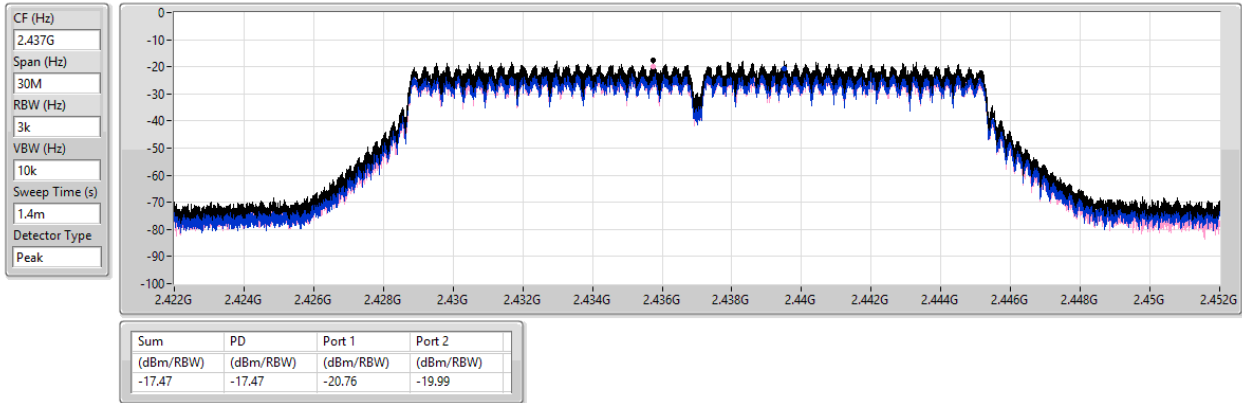
Sum
Port 1
Port 2

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

PSD

2437MHz

27/05/2025

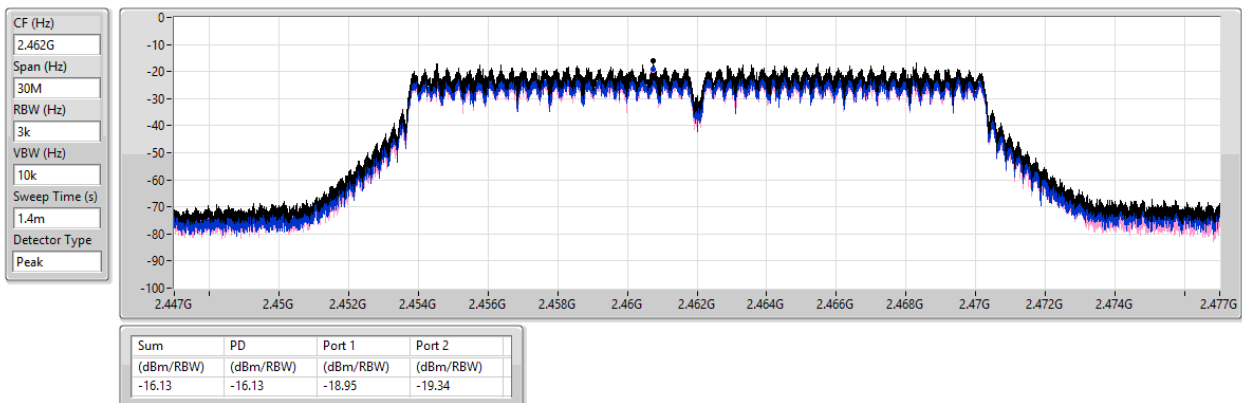


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

27/05/2025

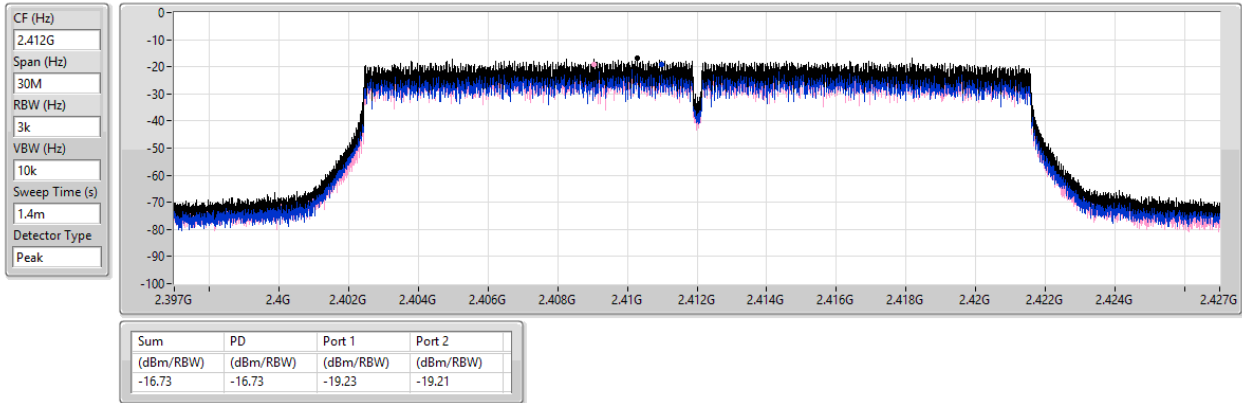


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

27/05/2025

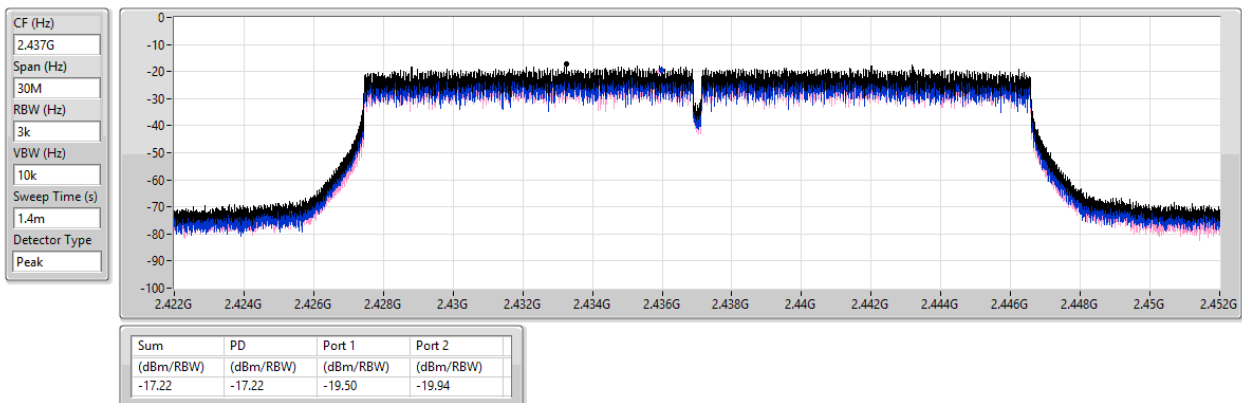


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

27/05/2025

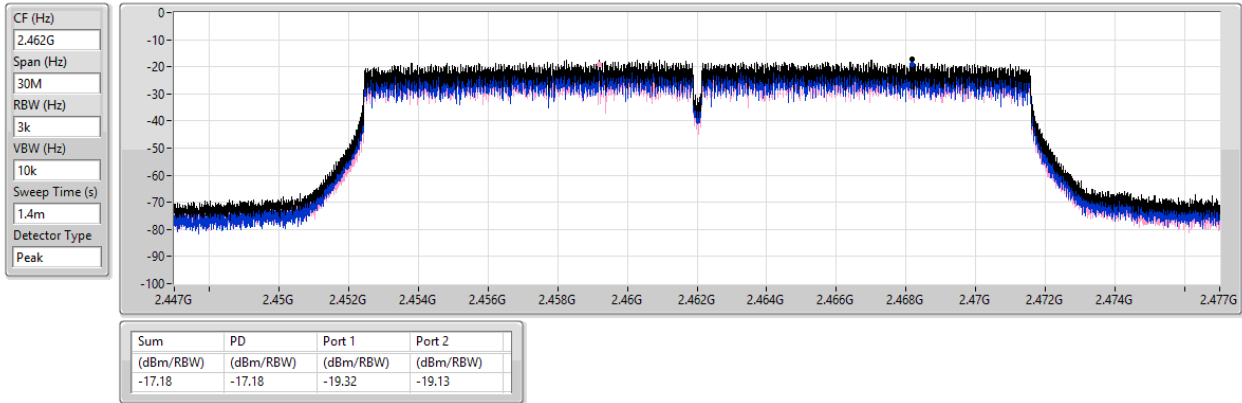


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

27/05/2025

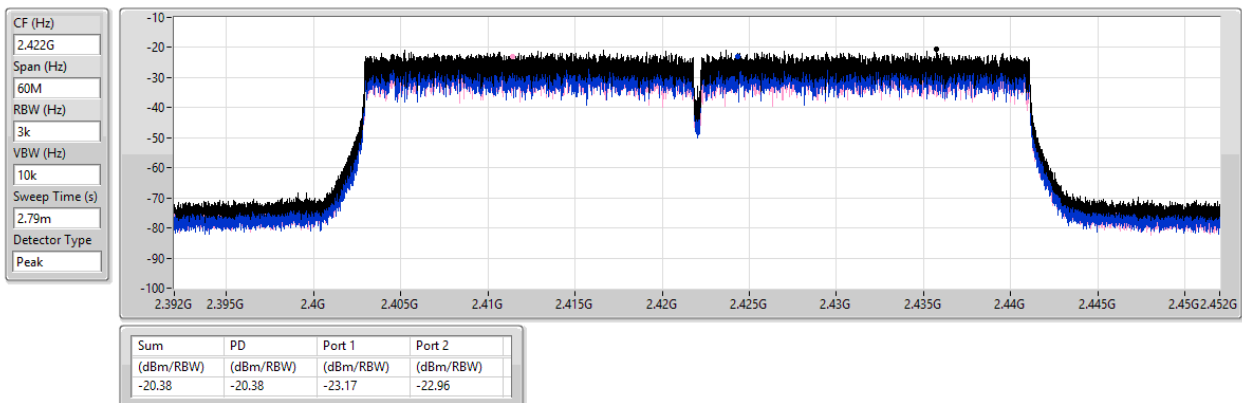


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

27/05/2025

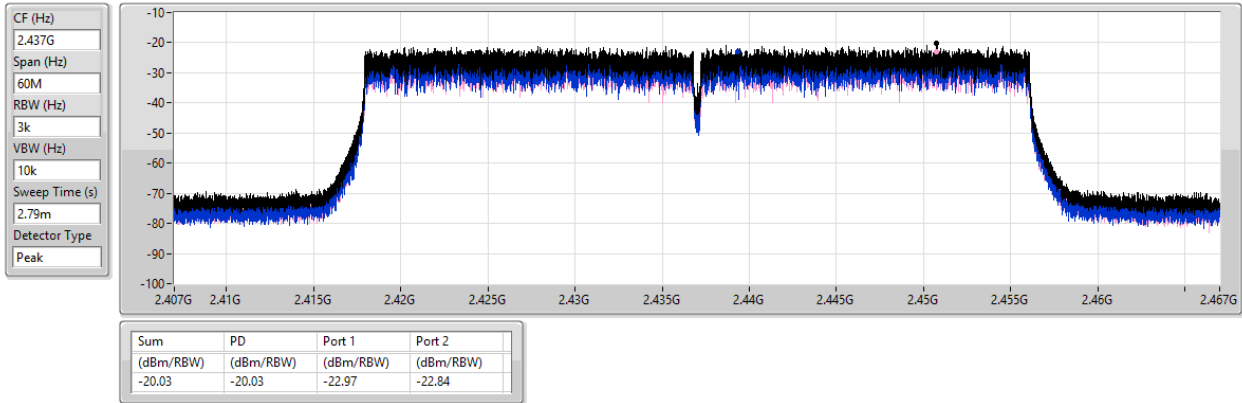


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

27/05/2025

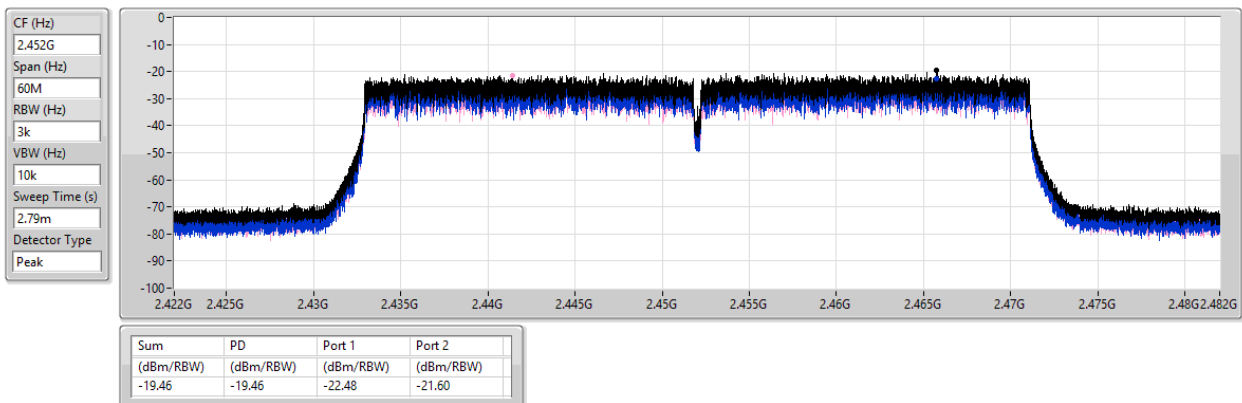


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

27/05/2025





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	2.46363G	-1.04	-31.04	2.17943G	-54.19	2.39808G	-48.15	2.4G	-54.16	2.5043G	-51.06	21.93477G	-48.56	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.41436G	-3.43	-33.43	1.65751G	-54.34	2.39896G	-51.03	2.4G	-51.84	2.50598G	-51.59	21.59762G	-47.75	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.40701G	-3.65	-33.65	1.86488G	-54.60	2.39712G	-49.88	2.4G	-52.13	2.50454G	-51.55	21.98534G	-48.44	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.46463G	-7.10	-37.10	1.84025G	-52.87	2.39776G	-51.75	2.4G	-55.22	2.51486G	-54.04	21.93461G	-47.84	1

Result

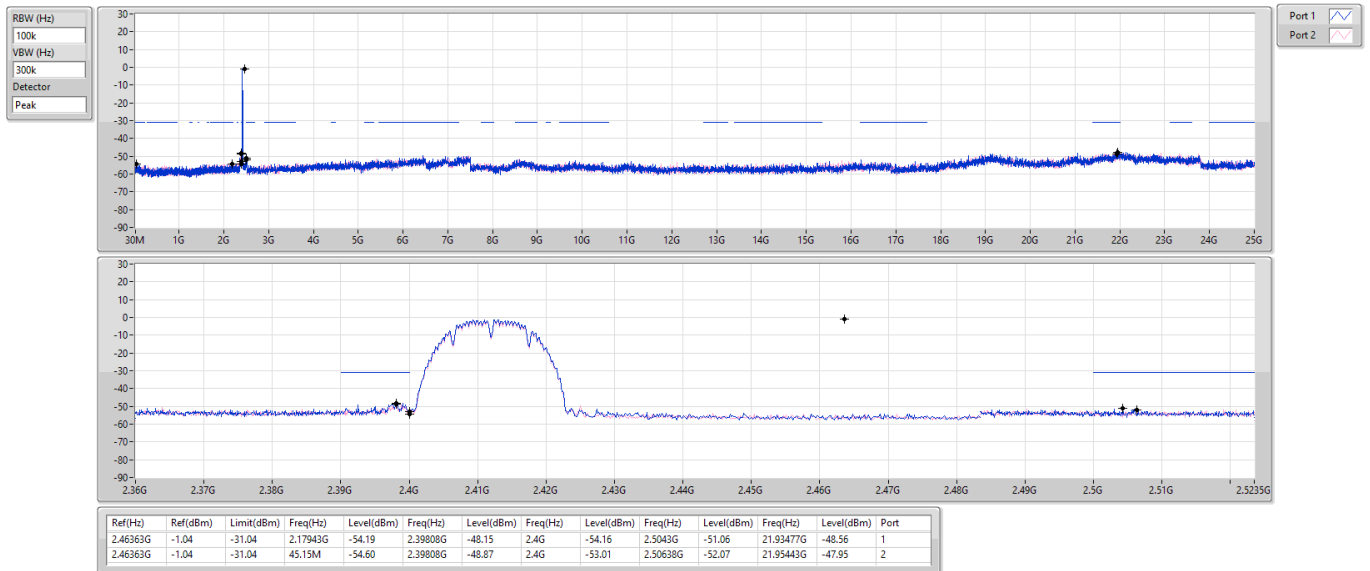
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46363G	-1.04	-31.04	2.17943G	-54.19	2.39808G	-48.15	2.4G	-54.16	2.5043G	-51.06	21.93477G	-48.56	1
2412MHz	Pass	2.46363G	-1.04	-31.04	45.15M	-54.60	2.39808G	-48.87	2.4G	-53.01	2.50638G	-52.07	21.95443G	-47.95	2
2437MHz	Pass	2.46363G	-1.04	-31.04	1.7344G	-54.15	2.39744G	-51.99	2.4G	-55.91	2.5031G	-51.67	21.92915G	-47.59	1
2437MHz	Pass	2.46363G	-1.04	-31.04	2.07108G	-53.86	2.39736G	-51.98	2.4G	-57.07	2.51334G	-50.58	21.92915G	-48.01	2
2462MHz	Pass	2.46363G	-1.04	-31.04	2.04312G	-54.07	2.39488G	-52.86	2.4G	-56.46	2.51222G	-51.44	21.9741G	-47.89	1
2462MHz	Pass	2.46363G	-1.04	-31.04	43.98M	-53.99	2.39536G	-52.07	2.4G	-57.09	2.51862G	-51.72	21.97129G	-47.97	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41436G	-3.43	-33.43	2.15962G	-54.71	2.39424G	-51.24	2.4G	-53.26	2.5135G	-51.89	21.64819G	-48.50	1
2412MHz	Pass	2.41436G	-3.43	-33.43	1.65751G	-54.34	2.39896G	-51.03	2.4G	-51.84	2.50598G	-51.59	21.59762G	-47.75	2
2437MHz	Pass	2.41436G	-3.43	-33.43	2.30292G	-53.98	2.39608G	-52.39	2.4G	-56.64	2.5067G	-51.85	21.97972G	-47.96	1
2437MHz	Pass	2.41436G	-3.43	-33.43	2.00584G	-53.79	2.39936G	-51.72	2.4G	-56.36	2.5071G	-51.36	23.22436G	-47.93	2
2462MHz	Pass	2.41436G	-3.43	-33.43	1.75187G	-54.46	2.39904G	-52.58	2.4G	-56.24	2.51734G	-52.09	22.0022G	-47.42	1
2462MHz	Pass	2.41436G	-3.43	-33.43	1.90915G	-54.37	2.39184G	-51.74	2.4G	-55.99	2.51166G	-52.16	21.78586G	-47.85	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40701G	-3.65	-33.65	1.86488G	-54.60	2.39712G	-49.88	2.4G	-52.13	2.50454G	-51.55	21.98534G	-48.44	1
2412MHz	Pass	2.40701G	-3.65	-33.65	2.15729G	-54.42	2.39992G	-50.40	2.4G	-53.09	2.50694G	-50.58	21.93758G	-48.17	2
2437MHz	Pass	2.40701G	-3.65	-33.65	1.7542G	-54.36	2.39784G	-51.59	2.4G	-56.05	2.51014G	-52.06	21.97691G	-47.94	1
2437MHz	Pass	2.40701G	-3.65	-33.65	2.30991G	-53.48	2.39744G	-52.09	2.4G	-56.40	2.5047G	-51.44	21.95724G	-47.23	2
2462MHz	Pass	2.40701G	-3.65	-33.65	1.74139G	-54.30	2.39408G	-51.41	2.4G	-55.71	2.51222G	-51.70	21.81958G	-47.57	1
2462MHz	Pass	2.40701G	-3.65	-33.65	139.51M	-53.84	2.39344G	-52.17	2.4G	-56.24	2.50526G	-51.89	21.79148G	-47.69	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.46463G	-7.10	-37.10	1.84025G	-52.87	2.39776G	-51.75	2.4G	-55.22	2.51486G	-54.04	21.93461G	-47.84	1
2422MHz	Pass	2.46463G	-7.10	-37.10	41.45M	-53.81	2.39712G	-52.82	2.4G	-54.60	2.52414G	-54.50	23.51078G	-48.39	2
2437MHz	Pass	2.46463G	-7.10	-37.10	2.1265G	-53.83	2.39904G	-53.50	2.4G	-55.05	2.52254G	-54.16	21.9907G	-48.02	1
2437MHz	Pass	2.46463G	-7.10	-37.10	1.86773G	-53.99	2.39856G	-53.20	2.4G	-54.75	2.50126G	-54.61	21.97107G	-47.95	2
2452MHz	Pass	2.46463G	-7.10	-37.10	1.74865G	-53.25	2.3904G	-54.32	2.4G	-55.99	2.53662G	-54.52	21.67379G	-48.36	1
2452MHz	Pass	2.46463G	-7.10	-37.10	1.84368G	-54.68	2.39488G	-54.74	2.4G	-56.11	2.54238G	-53.85	21.93181G	-47.02	2

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

CSEndB

2412MHz

27/05/2025

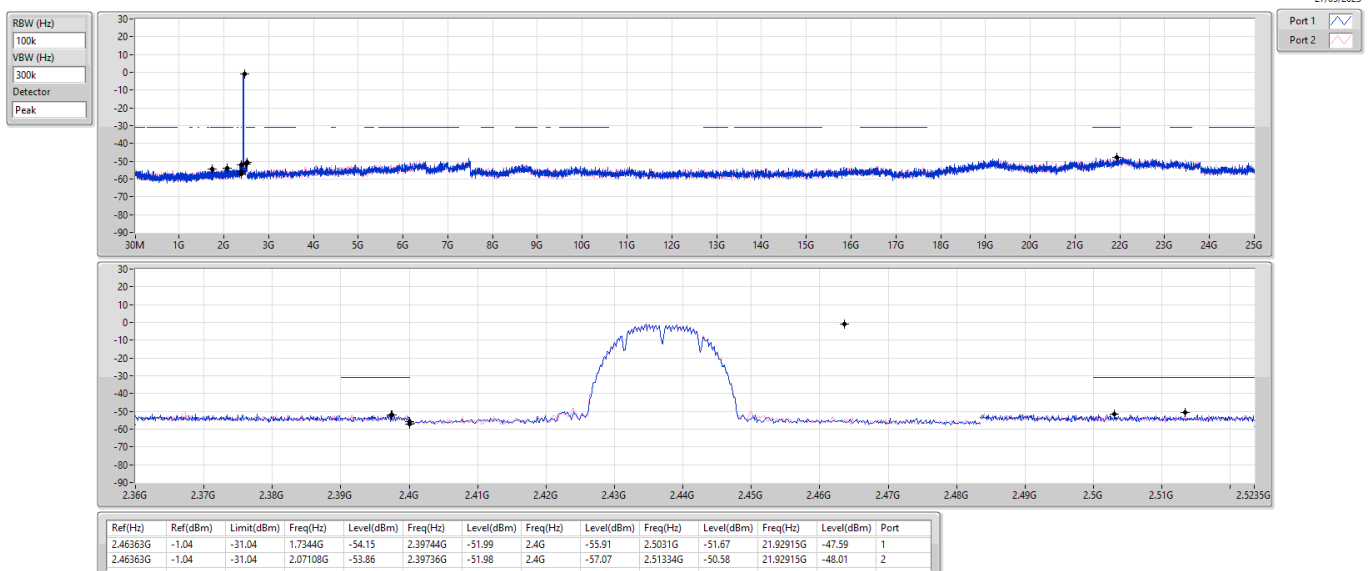


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

CSEndB

2437MHz

27/05/2025



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

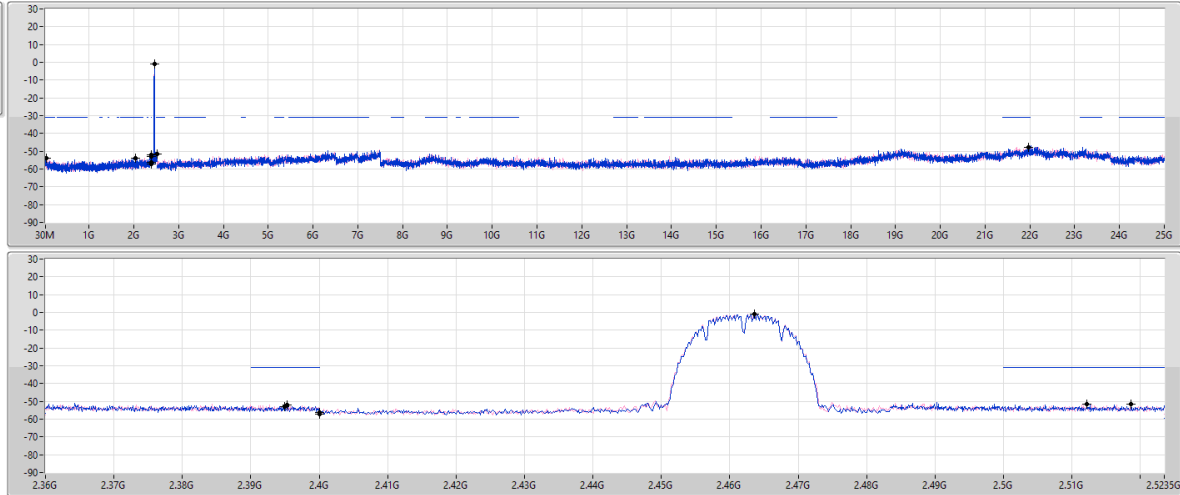
CSEndB

2462MHz

27/05/2025

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

Port 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
2.46363G	-1.04	-31.04	2.04312G	-54.07	2.39488G	-52.86	2.4G	-56.46	2.51222G	-51.44	21.9741G	-47.89	1
2.46363G	-1.04	-31.04	43.98M	-53.99	2.39536G	-52.07	2.4G	-57.09	2.51862G	-51.72	21.97129G	-47.97	2

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

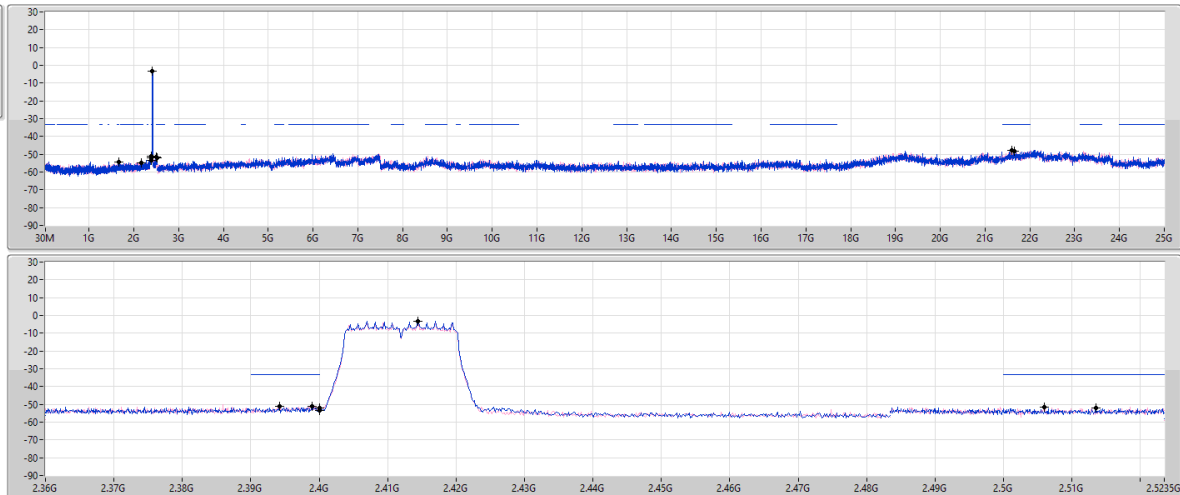
CSEndB

2412MHz

27/05/2025

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

Port 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
2.41436G	-3.43	-33.43	2.15962G	-54.71	2.39424G	-51.24	2.4G	-53.26	2.5135G	-51.89	21.64819G	-48.50	1
2.41436G	-3.43	-33.43	1.65751G	-54.34	2.39896G	-51.03	2.4G	-51.84	2.50598G	-51.59	21.59762G	-47.75	2

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

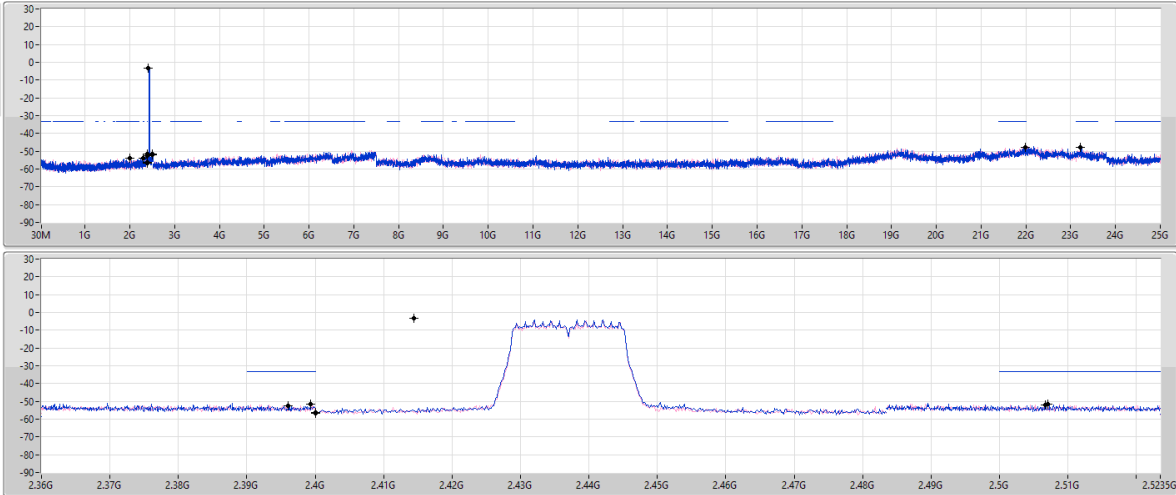
CSEndB

2437MHz

27/05/2025

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

Port 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
2.41436G	-3.43	-33.43	2.30292G	-53.98	2.39608G	-52.39	2.4G	-56.64	2.5067G	-51.85	21.97972G	-47.96	1
2.41438G	-3.43	-33.43	2.00584G	-53.79	2.39936G	-51.72	2.4G	-56.36	2.5071G	-51.36	23.22436G	-47.93	2

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

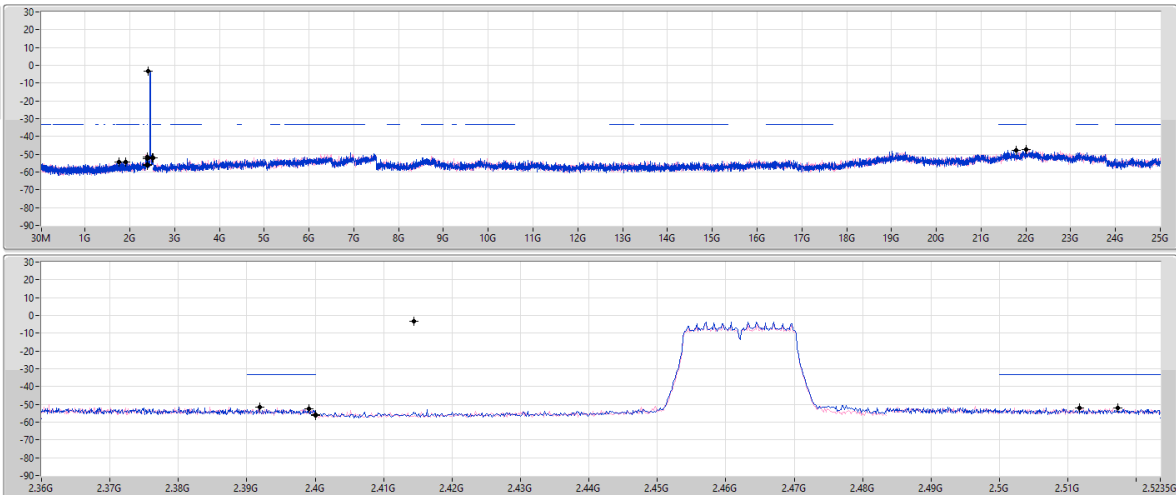
CSEndB

2462MHz

27/05/2025

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

Port 1
Port 2



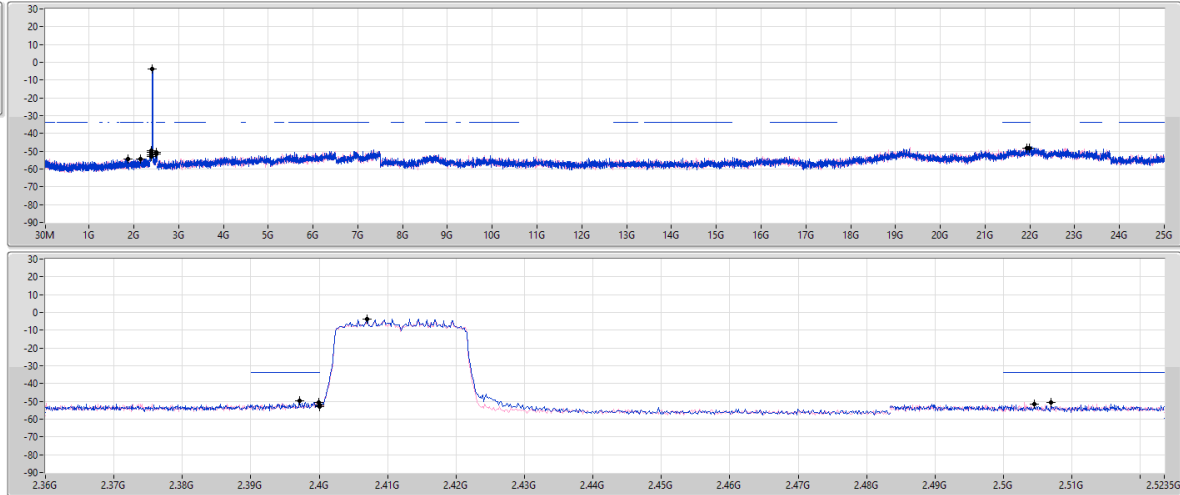
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41436G	-3.43	-33.43	1.75187G	-54.46	2.39904G	-52.58	2.4G	-56.24	2.51734G	-52.09	22.0022G	-47.42	1
2.41438G	-3.43	-33.43	1.90915G	-54.37	2.39184G	-51.74	2.4G	-55.99	2.51166G	-52.16	21.78386G	-47.85	2

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

CSEndB

2412MHz

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



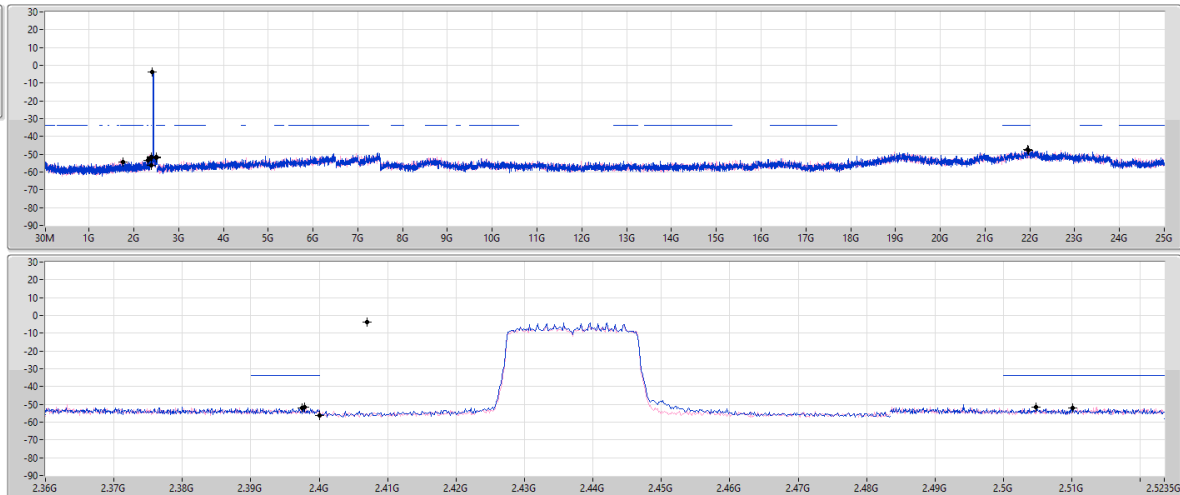
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40701G	-3.65	-33.65	1.86488G	-54.60	2.39712G	-49.88	2.4G	-52.13	2.50454G	-51.55	21.98534G	-48.44	1
2.40701G	-3.65	-33.65	2.15729G	-54.42	2.39992G	-50.40	2.4G	-53.09	2.50694G	-50.58	21.93758G	-48.17	2

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

CSEndB

2437MHz

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
2.40701G	-3.65	-33.65	1.7542G	-54.36	2.39784G	-51.59	2.4G	-56.05	2.51014G	-52.06	21.97891G	-47.94	1
2.40701G	-3.65	-33.65	2.30991G	-53.48	2.39744G	-52.09	2.4G	-56.40	2.5047G	-51.44	21.95724G	-47.23	2

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

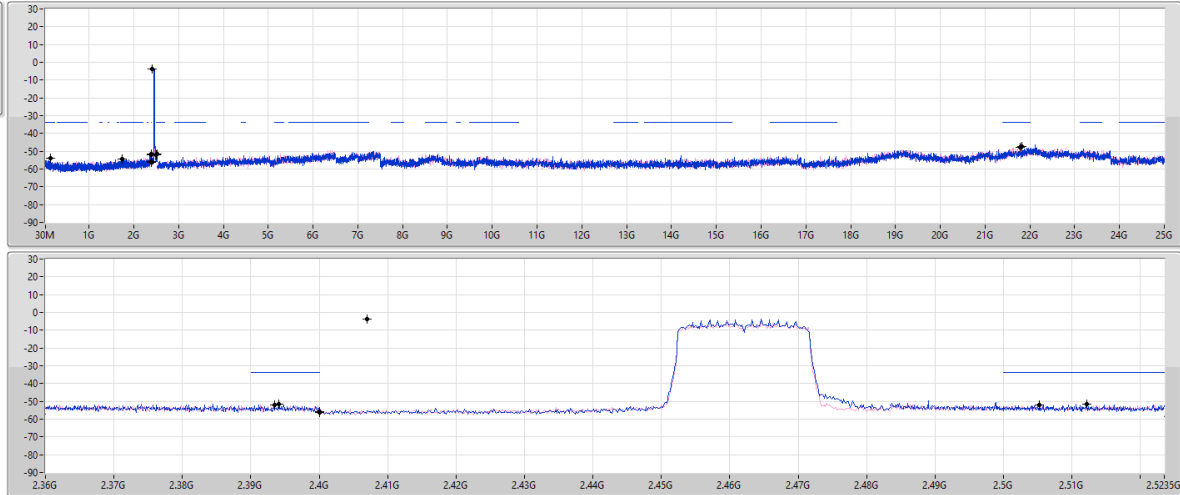
CSEndB

2462MHz

27/05/2025

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

Port 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
2.40701G	-3.65	-33.65	1.74139G	-54.30	2.39408G	-51.41	2.4G	-55.71	2.51222G	-51.70	21.81958G	-47.57	1
2.40701G	-3.65	-33.65	139.51M	-53.84	2.39344G	-52.17	2.4G	-56.24	2.50526G	-51.89	21.79148G	-47.69	2

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

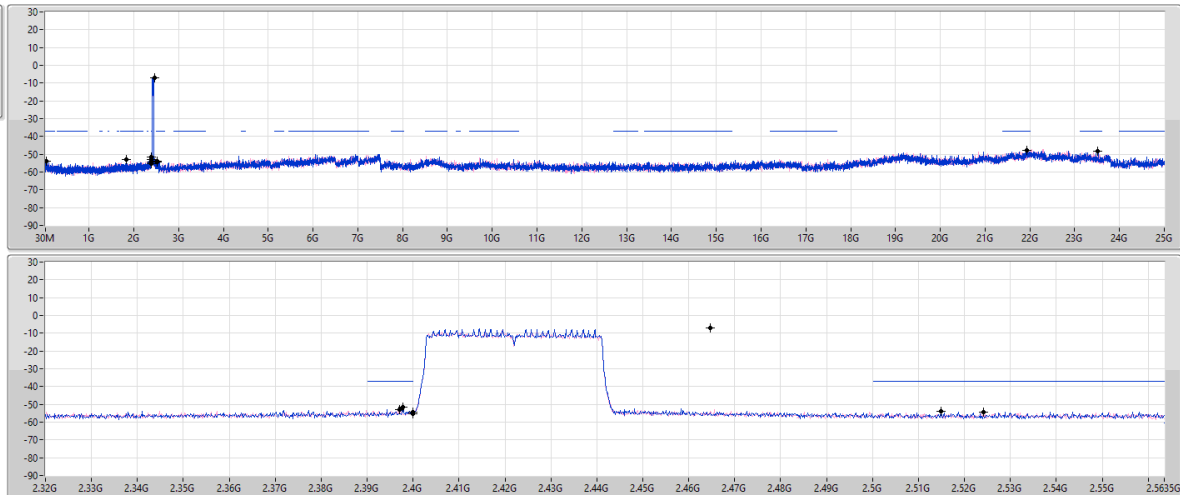
CSEndB

2422MHz

27/05/2025

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

Port 1
Port 2



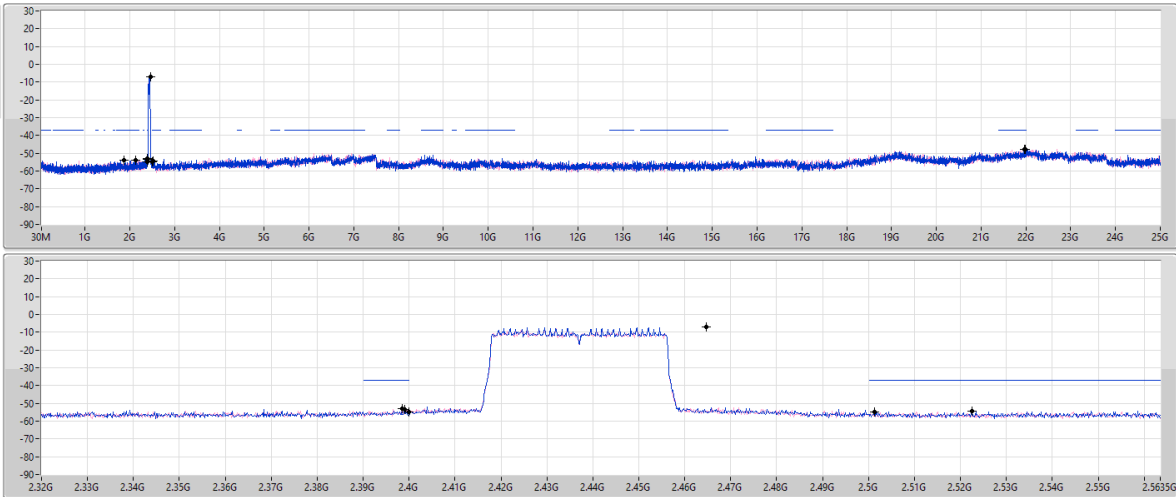
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2.46463G	-7.10	-37.10	1.84025G	-52.87	2.39776G	-51.75	2.4G	-55.22	2.51486G	-54.04	21.93461G	-47.84	1
2.46463G	-7.10	-37.10	41.43M	-53.81	2.39712G	-52.82	2.4G	-54.60	2.52414G	-54.50	23.51078G	-48.39	2

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

CSEndB

2437MHz

27/05/2025

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

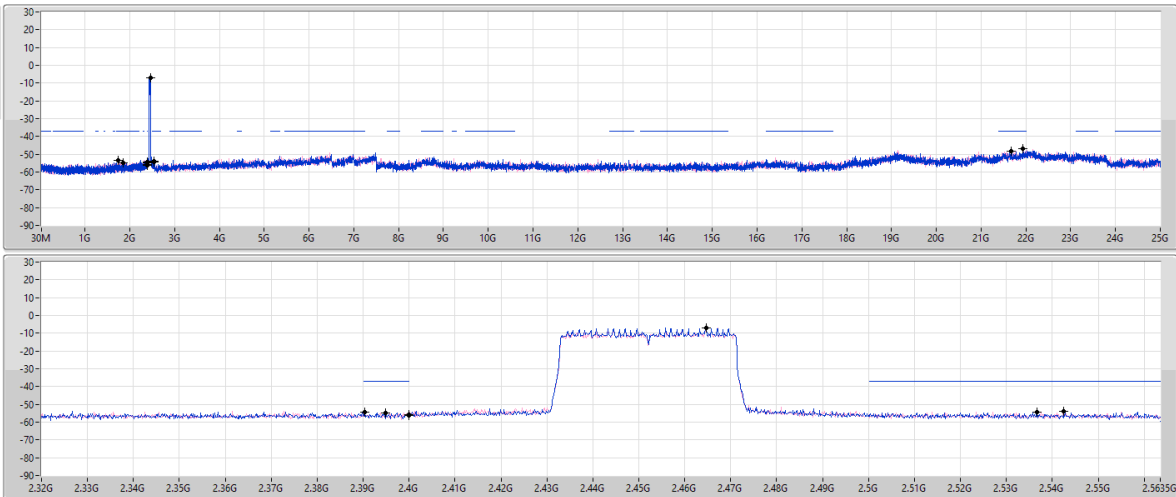
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2.46463G	-7.10	-37.10	2.1265G	-53.83	2.39904G	-53.50	2.4G	-55.05	2.52254G	-54.16	21.9907G	-48.02	1
2.46463G	-7.10	-37.10	1.86773G	-53.99	2.39856G	-53.20	2.4G	-54.75	2.50126G	-54.61	21.97107G	-47.95	2

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

CSEndB

2452MHz

27/05/2025

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

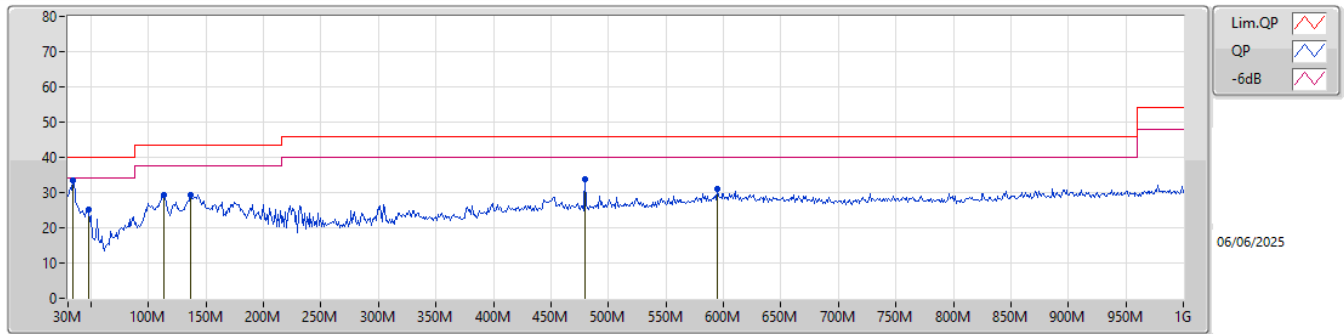
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46463G	-7.10	-37.10	1.74865G	-53.25	2.3904G	-54.32	2.4G	-55.99	2.53662G	-54.52	21.67379G	-48.36	1
2.46463G	-7.10	-37.10	1.84368G	-54.68	2.39486G	-54.74	2.4G	-56.11	2.54238G	-53.85	21.93181G	-47.02	2



Summary

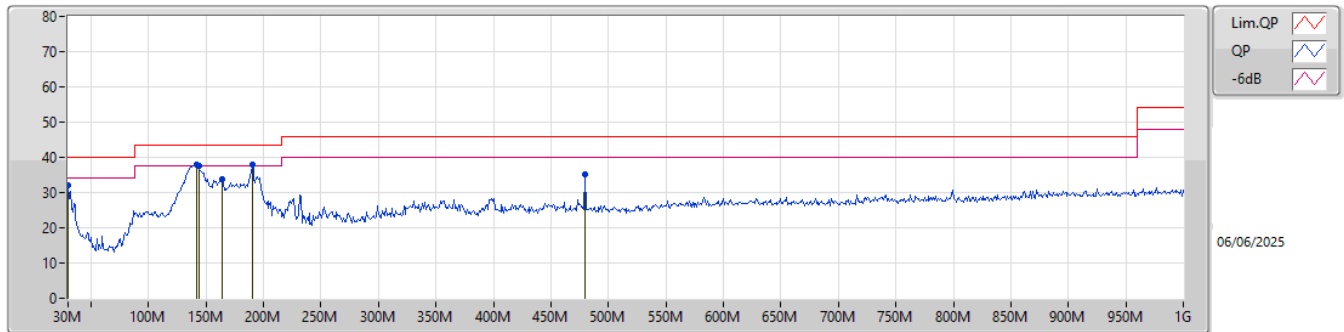
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	141.55M	37.93	43.50	-5.57	Horizontal

Mode 2



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	33.88M	33.51	40.00	-6.49	-8.98	3	Vertical	253	1.00	"Worst"	42.49	21.95	1.00	31.93		
PK	48.43M	25.02	40.00	-14.98	-16.04	3	Vertical	210	1.00	-	41.06	14.71	1.14	31.89		
PK	113.42M	29.45	43.50	-14.05	-12.36	3	Vertical	238	1.00	-	41.81	17.95	1.62	31.93		
PK	136.7M	29.37	43.50	-14.13	-12.81	3	Vertical	275	2.00	-	42.18	17.51	1.78	32.10		
PK	480.08M	33.88	46.00	-12.12	-6.02	3	Vertical	274	1.00	-	39.90	22.98	3.36	32.36		
PK	594.54M	30.97	46.00	-15.03	-4.13	3	Vertical	334	1.00	-	35.10	24.53	3.75	32.41		

Mode 2



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	32.12	40.00	-7.88	-7.98	3	Horizontal	129	1.25	-	40.10	23.43	0.95	32.36		
PK	141.55M	37.93	43.50	-5.57	-13.28	3	Horizontal	0	2.00	"Worst"	51.21	17.03	1.81	32.12		
PK	143.49M	37.49	43.50	-6.01	-13.36	3	Horizontal	0	2.00	-	50.85	16.92	1.82	32.10		
PK	163.86M	33.72	43.50	-9.78	-14.25	3	Horizontal	360	2.00	-	47.97	15.76	1.93	31.94		
PK	190.05M	37.77	43.50	-5.73	-14.93	3	Horizontal	325	1.50	-	52.70	15.02	2.08	32.03		
PK	480.08M	35.13	46.00	-10.87	-6.02	3	Horizontal	15	1.00	-	41.15	22.98	3.36	32.36		

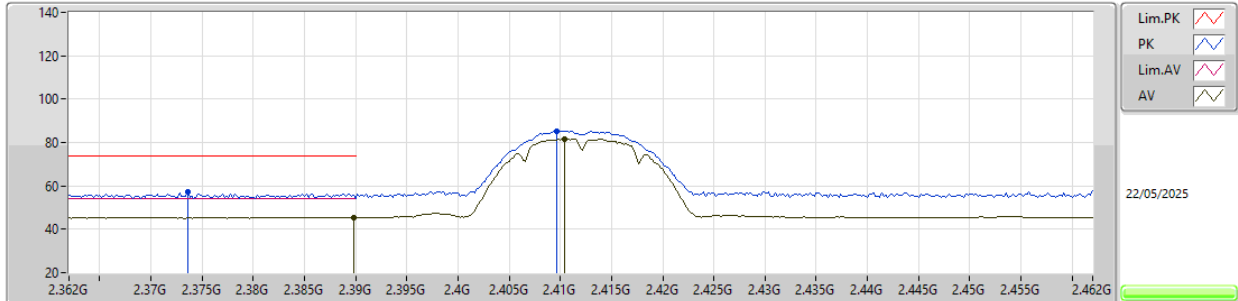


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1.(6Mbps)_2TX	Pass	PK	2.39G	69.53	74.00	-4.47	3	Horizontal	221	2.32	-

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

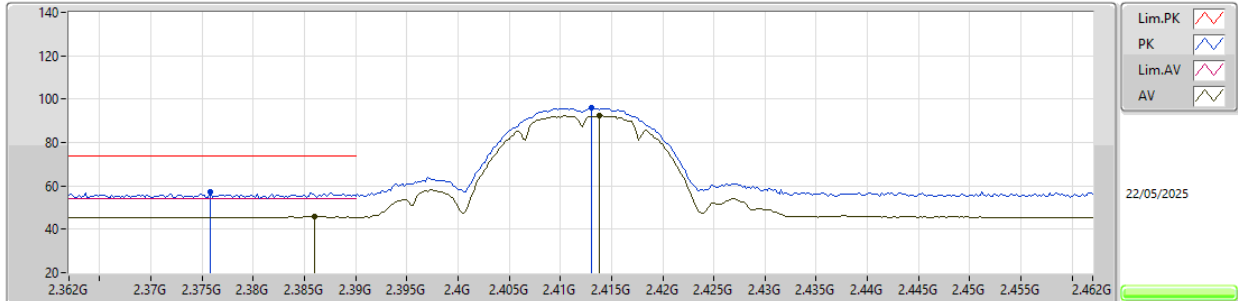
2412MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3736G	57.34	74.00	-16.66	24.16	3	Vertical	72	1.80	-	27.56	5.62	-			
AV	2.3898G	45.46	54.00	-8.54	12.33	3	Vertical	72	1.80	-	27.50	5.63	-			
PK	2.4096G	85.29	Inf	-Inf	52.14	3	Vertical	72	1.80	-	27.50	5.65	-			
AV	2.4104G	81.63	Inf	-Inf	48.48	3	Vertical	72	1.80	-	27.50	5.65	-			

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

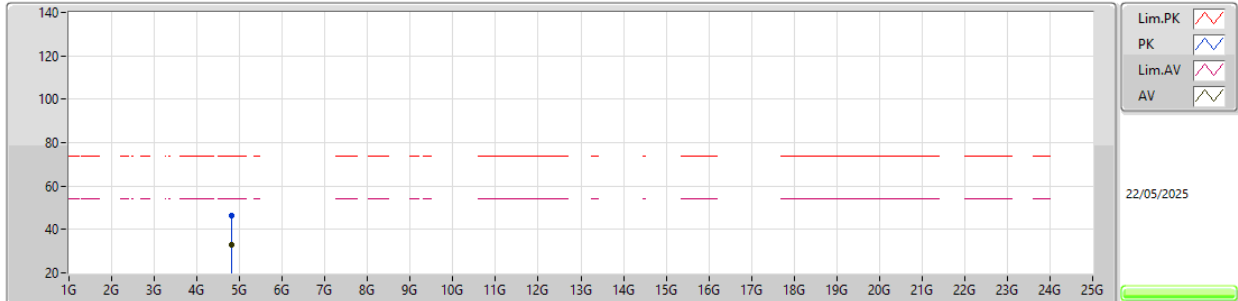
2412MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3758G	57.26	74.00	-16.74	24.10	3	Horizontal	291	1.23	-	27.54	5.62	-			
AV	2.386G	46.08	54.00	-7.92	12.95	3	Horizontal	291	1.23	-	27.50	5.63	-			
PK	2.413G	95.90	Inf	-Inf	62.75	3	Horizontal	291	1.23	-	27.50	5.65	-			
AV	2.4138G	92.34	Inf	-Inf	59.19	3	Horizontal	291	1.23	-	27.50	5.65	-			

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

2412MHz_TX



Lim.PK
PK
Lim.AV
AV

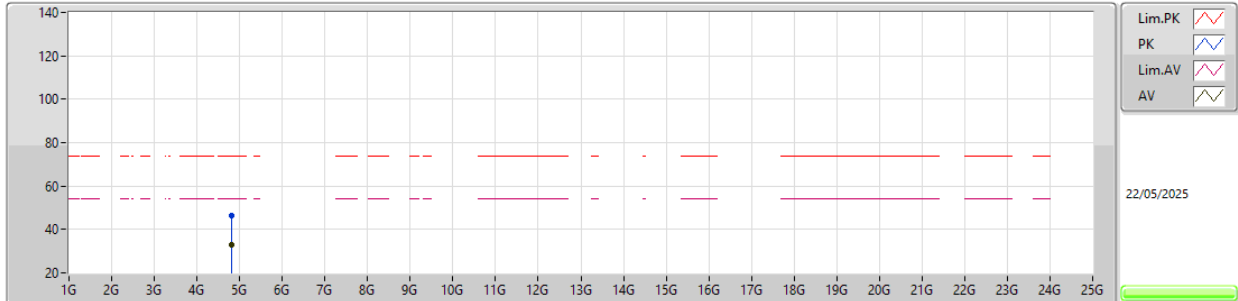
22/05/2025

EUT_Z_2TX
Setting 8
04-E-M-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	4.82343G	46.30	74.00	-27.70	50.82	3	Vertical	320	1.00	-	31.30	8.12	43.94			
AV	4.82405G	32.75	54.00	-21.25	37.26	3	Vertical	320	1.00	-	31.30	8.13	43.94			

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

2412MHz_TX



Lim.PK
PK
Lim.AV
AV

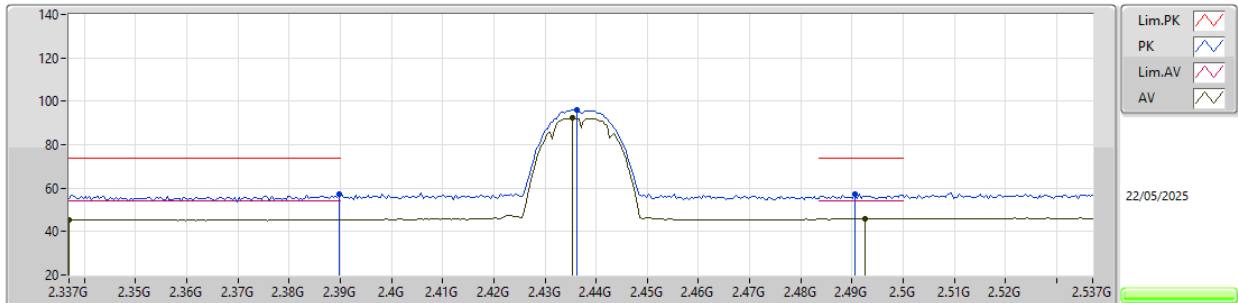
22/05/2025

EUT_Z_2TX
Setting 8
04-E-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.82397G	46.34	74.00	-27.66	50.85	3	Horizontal	26	1.01	-	31.30	8.13	43.94				
AV	4.82429G	32.97	54.00	-21.03	37.48	3	Horizontal	26	1.01	-	31.30	8.13	43.94				

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

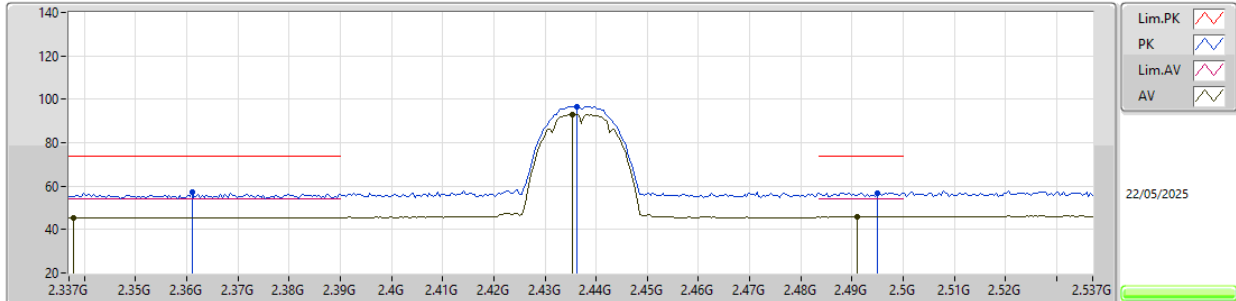
2437MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3898G	57.12	74.00	-16.88	23.99	3	Vertical	267	2.74	-	27.50	5.63	-			
AV	2.337G	45.53	54.00	-8.47	12.21	3	Vertical	267	2.74	-	27.73	5.59	-			
PK	2.4362G	95.83	Inf	-Inf	62.66	3	Vertical	267	2.74	-	27.50	5.67	-			
AV	2.4354G	92.32	Inf	-Inf	59.15	3	Vertical	267	2.74	-	27.50	5.67	-			
PK	2.4906G	57.13	74.00	-16.87	23.72	3	Vertical	267	2.74	-	27.69	5.72	-			
AV	2.4926G	46.00	54.00	-8.00	12.61	3	Vertical	267	2.74	-	27.67	5.72	-			

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

2437MHz_TX

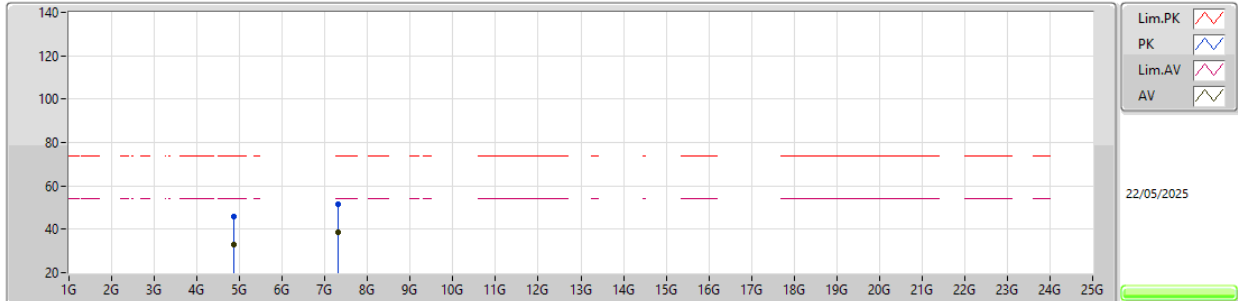


EUT_Z_2TX
Setting 8
04-E-M-1

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	2.361G	57.14	74.00	-16.86	23.93	3	Horizontal	300	1.01	-	27.60	5.61	-			
AV	2.3378G	45.55	54.00	-8.45	12.24	3	Horizontal	300	1.01	-	27.72	5.59	-			
PK	2.4362G	96.73	Inf	-Inf	63.56	3	Horizontal	300	1.01	-	27.50	5.67	-			
AV	2.4354G	93.02	Inf	-Inf	59.85	3	Horizontal	300	1.01	-	27.50	5.67	-			
PK	2.495G	56.97	74.00	-17.03	23.60	3	Horizontal	300	1.01	-	27.65	5.72	-			
AV	2.491G	46.08	54.00	-7.92	12.67	3	Horizontal	300	1.01	-	27.69	5.72	-			

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

2437MHz_TX

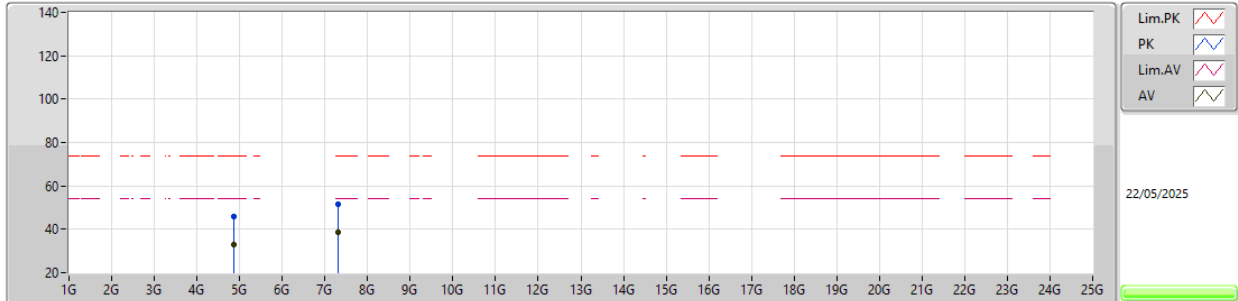


EUT_Z_2TX
Setting 8
04-E-M-1

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	4.87448G	45.88	74.00	-28.12	50.32	3	Vertical	8	2.86	-	31.30	8.18	43.92				
AV	4.87411G	32.73	54.00	-21.27	37.17	3	Vertical	8	2.86	-	31.30	8.18	43.92				
PK	7.31187G	51.64	74.00	-22.36	47.83	3	Vertical	179	1.80	-	36.20	10.38	42.77				
AV	7.31137G	38.60	54.00	-15.40	34.78	3	Vertical	179	1.80	-	36.20	10.38	42.76				

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

2437MHz_TX

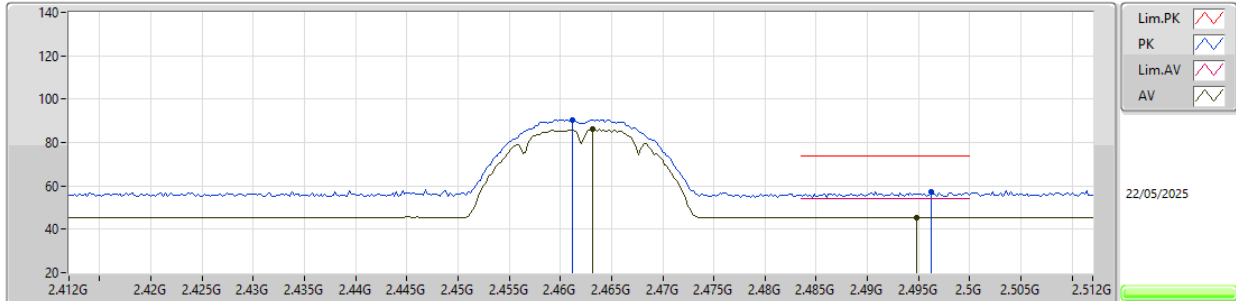


EUT_Z_2TX
Setting 8
04-E-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.87446G	45.87	74.00	-28.13	50.31	3	Horizontal	118	1.02	-	31.30	8.18	43.92			
AV	4.87435G	32.97	54.00	-21.03	37.41	3	Horizontal	118	1.02	-	31.30	8.18	43.92			
PK	7.31034G	51.61	74.00	-22.39	47.79	3	Horizontal	120	1.80	-	36.20	10.38	42.76			
AV	7.31075G	38.61	54.00	-15.39	34.79	3	Horizontal	120	1.80	-	36.20	10.38	42.76			

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

2462MHz_TX

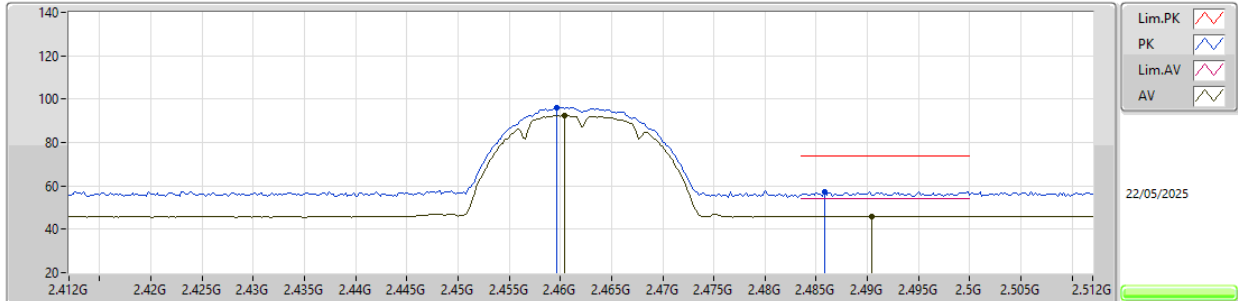


EUT_Z_2TX
Setting 8
04-E-M-1

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	90.53	Inf	-Inf	57.35	3	Vertical	334	3.00	-	27.49	5.69	-			
AV	2.4632G	86.12	Inf	-Inf	52.96	3	Vertical	334	3.00	-	27.47	5.69	-			
PK	2.4962G	57.21	74.00	-16.79	23.85	3	Vertical	334	3.00	-	27.64	5.72	-			
AV	2.4948G	45.53	54.00	-8.47	12.16	3	Vertical	334	3.00	-	27.65	5.72	-			

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

2462MHz_TX

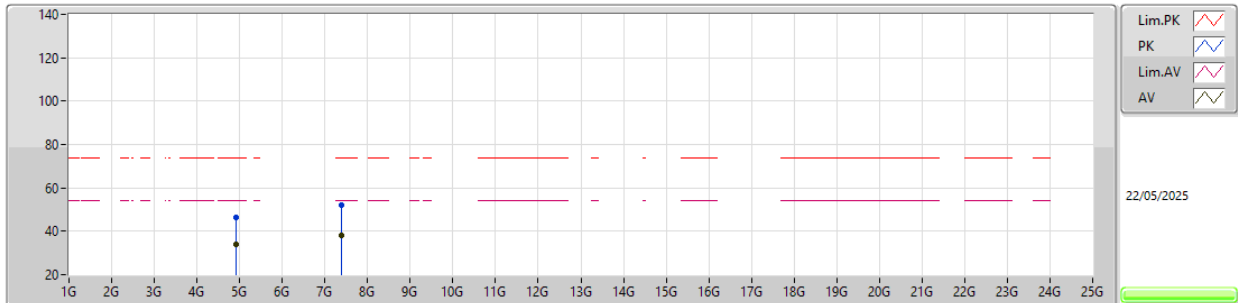


EUT_Z_2TX
Setting 8
04-E-M-1

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	2.4596G	96.11	Inf	-Inf	62.92	3	Horizontal	295	1.27	-	27.50	5.69	-			
AV	2.4604G	92.52	Inf	-Inf	59.33	3	Horizontal	295	1.27	-	27.50	5.69	-			
PK	2.4858G	57.28	74.00	-16.72	23.95	3	Horizontal	295	1.27	-	27.62	5.71	-			
AV	2.4904G	46.06	54.00	-7.94	12.64	3	Horizontal	295	1.27	-	27.70	5.72	-			

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

2462MHz_TX

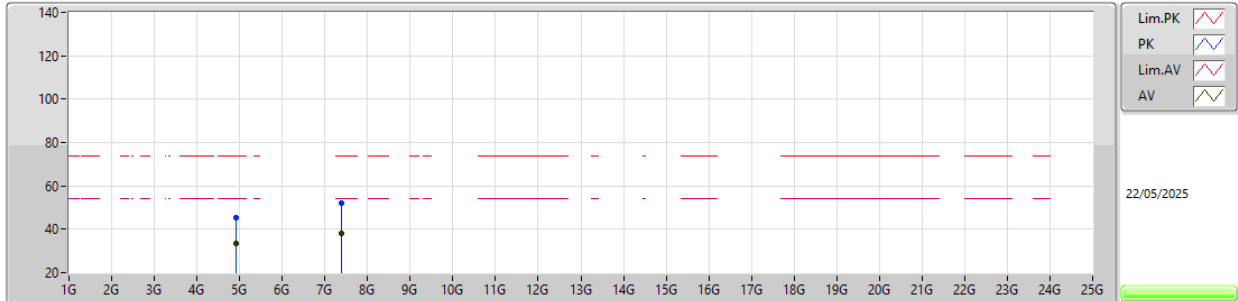


EUT_Z_2TX
Setting 8
04-E-M-1

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	4.9285G	46.16	74.00	-27.84	50.54	3	Vertical	250	1.79	-	31.36	8.23	43.97			
AV	4.92406G	33.95	54.00	-20.05	38.34	3	Vertical	250	1.79	-	31.35	8.23	43.97			
PK	7.39968G	52.15	74.00	-21.85	48.09	3	Vertical	4	1.80	-	36.10	10.46	42.50			
AV	7.39878G	38.31	54.00	-15.69	34.25	3	Vertical	4	1.80	-	36.10	10.46	42.50			

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

2462MHz_TX

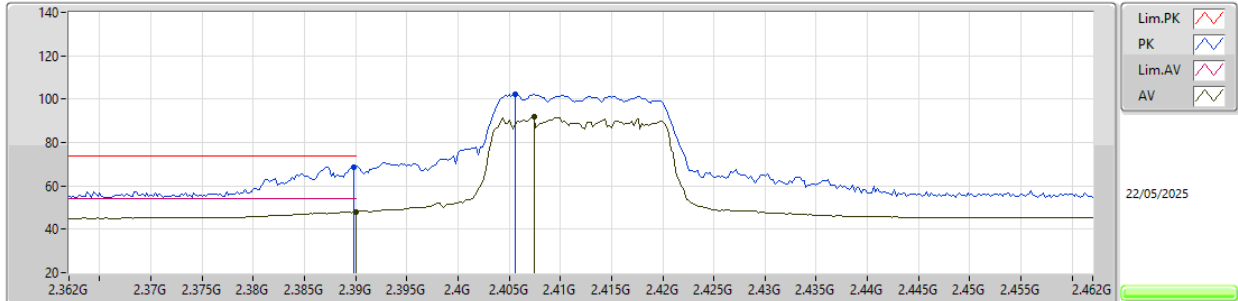


EUT_Z_2TX
Setting 8
04-E-M-1

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	4.91968G	45.46	74.00	-28.54	49.87	3	Horizontal	277	1.80	-	31.34	8.23	43.98			
AV	4.92406G	33.62	54.00	-20.38	38.01	3	Horizontal	277	1.80	-	31.35	8.23	43.97			
PK	7.3806G	51.93	74.00	-22.07	47.86	3	Horizontal	344	1.02	-	36.14	10.44	42.51			
AV	7.3989G	38.26	54.00	-15.74	34.20	3	Horizontal	344	1.02	-	36.10	10.46	42.50			

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

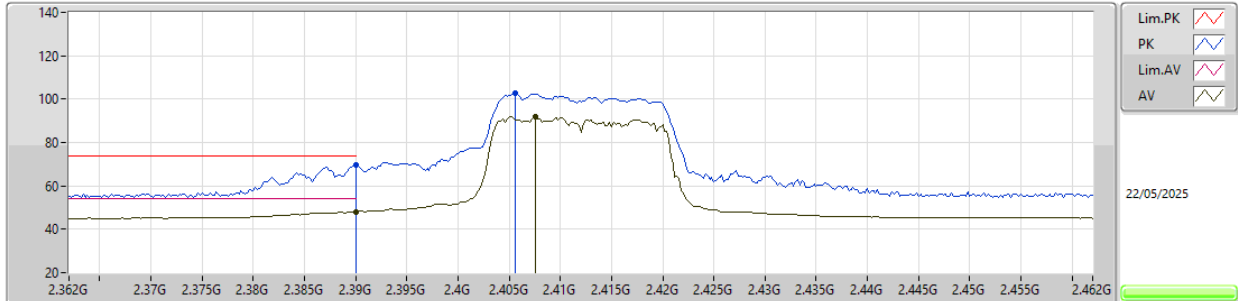
2412MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3898G	68.81	74.00	-5.19	35.68	3	Vertical	218	2.62	-	27.50	5.63	-			
AV	2.39G	47.91	54.00	-6.09	14.78	3	Vertical	218	2.62	-	27.50	5.63	-			
PK	2.4056G	102.45	Inf	-Inf	69.31	3	Vertical	218	2.62	-	27.50	5.64	-			
AV	2.4074G	91.97	Inf	-Inf	58.82	3	Vertical	218	2.62	-	27.50	5.65	-			

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

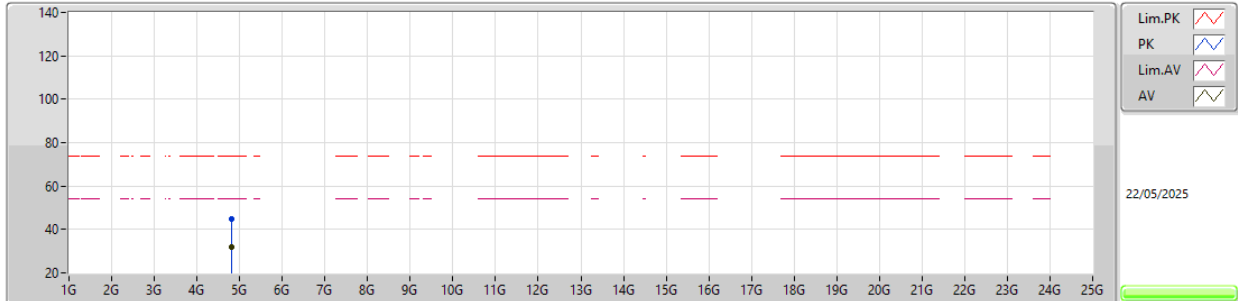
2412MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	69.53	74.00	-4.47	36.40	3	Horizontal	221	2.32	-	27.50	5.63	-			
AV	2.39G	48.02	54.00	-5.98	14.89	3	Horizontal	221	2.32	-	27.50	5.63	-			
PK	2.4056G	102.76	Inf	-Inf	69.62	3	Horizontal	221	2.32	-	27.50	5.64	-			
AV	2.4076G	92.07	Inf	-Inf	58.92	3	Horizontal	221	2.32	-	27.50	5.65	-			

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

2412MHz_TX

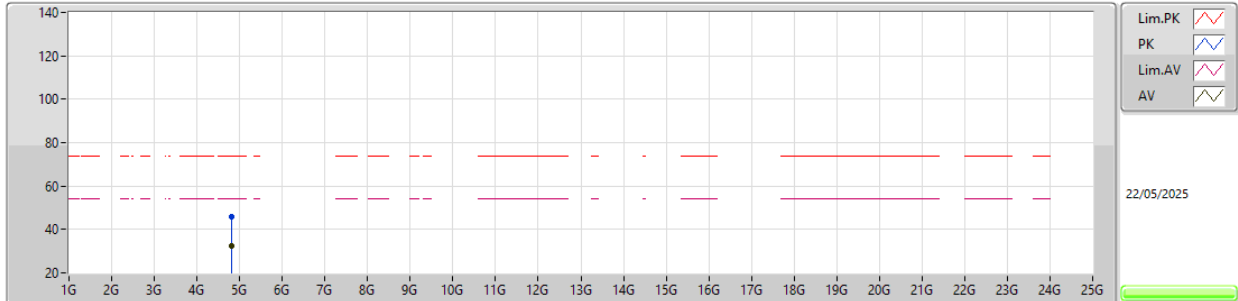


EUT_Z_2TX
Setting 8
04-E-M-1

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	4.82438G	44.99	74.00	-29.01	49.50	3	Vertical	358	1.84	-	31.30	8.13	43.94			
AV	4.8236G	32.10	54.00	-21.90	36.62	3	Vertical	358	1.84	-	31.30	8.12	43.94			

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

2412MHz_TX

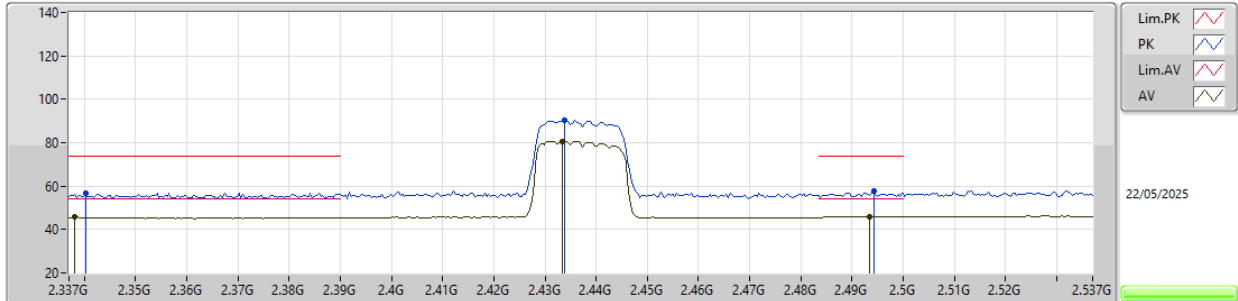


EUT_Z_2TX
Setting 8
04-E-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.82373G	45.83	74.00	-28.17	50.35	3	Horizontal	38	2.27	-	31.30	8.12	43.94			
AV	4.82314G	32.16	54.00	-21.84	36.68	3	Horizontal	38	2.27	-	31.30	8.12	43.94			

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

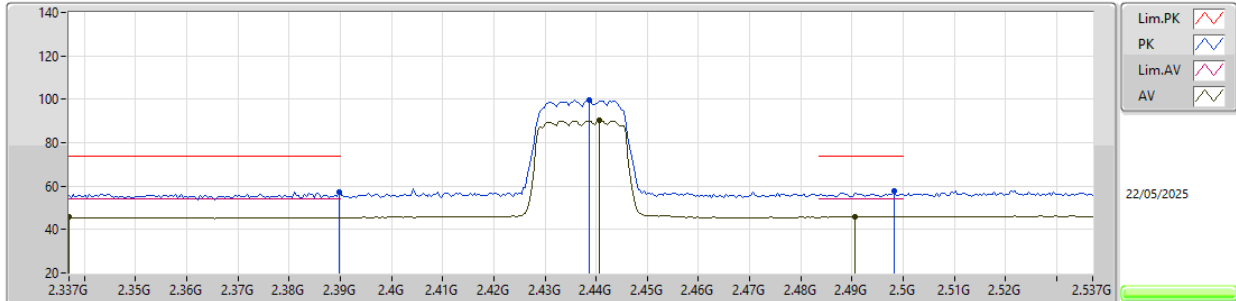
2437MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3402G	56.85	74.00	-17.15	23.56	3	Vertical	119	3.00	-	27.70	5.59	-			
AV	2.3382G	45.64	54.00	-8.36	12.33	3	Vertical	119	3.00	-	27.72	5.59	-			
PK	2.4338G	90.13	Inf	-Inf	56.96	3	Vertical	119	3.00	-	27.50	5.67	-			
AV	2.4334G	80.76	Inf	-Inf	47.59	3	Vertical	119	3.00	-	27.50	5.67	-			
PK	2.4942G	57.57	74.00	-16.43	24.19	3	Vertical	119	3.00	-	27.66	5.72	-			
AV	2.4934G	45.97	54.00	-8.03	12.58	3	Vertical	119	3.00	-	27.67	5.72	-			

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

2437MHz_TX

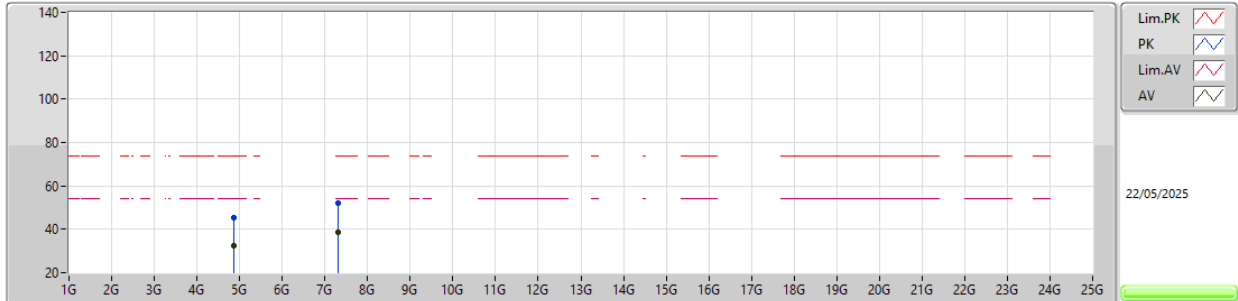


EUT_Z_2TX
Setting 8
04-E-M-1

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	2.3898G	57.23	74.00	-16.77	24.10	3	Horizontal	290	1.02	-	27.50	5.63	-			
AV	2.337G	45.64	54.00	-8.36	12.32	3	Horizontal	290	1.02	-	27.73	5.59	-			
PK	2.4386G	99.64	Inf	-Inf	66.47	3	Horizontal	290	1.02	-	27.50	5.67	-			
AV	2.4406G	90.23	Inf	-Inf	57.06	3	Horizontal	290	1.02	-	27.50	5.67	-			
PK	2.4982G	57.83	74.00	-16.17	24.49	3	Horizontal	290	1.02	-	27.62	5.72	-			
AV	2.4906G	46.05	54.00	-7.95	12.64	3	Horizontal	290	1.02	-	27.69	5.72	-			

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

2437MHz_TX

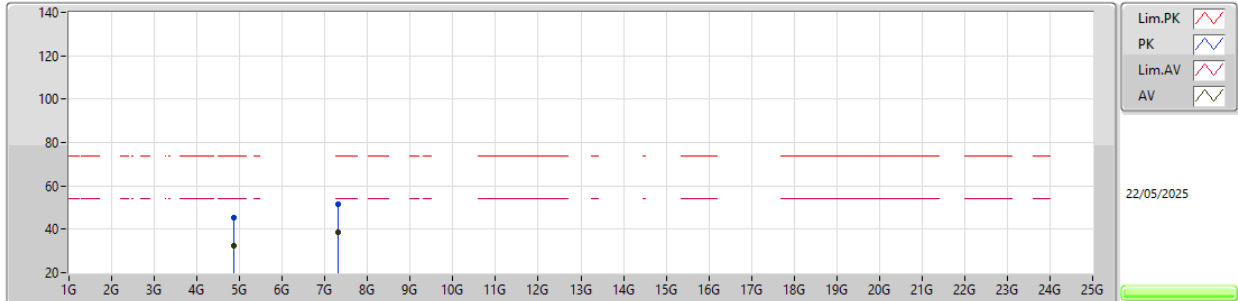


EUT_Z_2TX
Setting 8
04-E-M-1

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	4.87384G	45.51	74.00	-28.49	50.02	3	Vertical	257	1.80	-	31.30	8.18	43.99			
AV	4.87456G	32.47	54.00	-21.53	36.98	3	Vertical	257	1.80	-	31.30	8.18	43.99			
PK	7.3109G	51.83	74.00	-22.17	47.80	3	Vertical	81	1.88	-	36.20	10.38	42.55			
AV	7.3117G	38.72	54.00	-15.28	34.69	3	Vertical	81	1.88	-	36.20	10.38	42.55			

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

2437MHz_TX

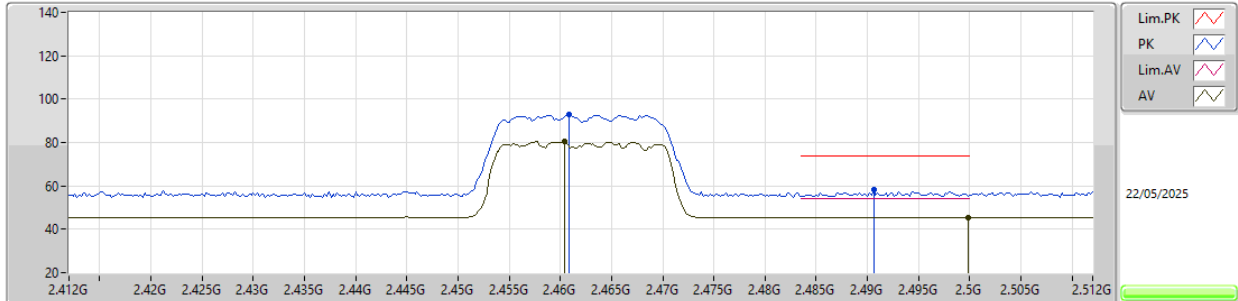


EUT_Z_2TX
Setting 8
04-E-M-1

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	4.87325G	45.21	74.00	-28.79	49.72	3	Horizontal	346	2.21	-	31.30	8.18	43.99			
AV	4.87478G	32.19	54.00	-21.81	36.70	3	Horizontal	346	2.21	-	31.30	8.18	43.99			
PK	7.31047G	51.30	74.00	-22.70	47.27	3	Horizontal	167	1.78	-	36.20	10.38	42.55			
AV	7.31032G	38.58	54.00	-15.42	34.55	3	Horizontal	167	1.78	-	36.20	10.38	42.55			

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

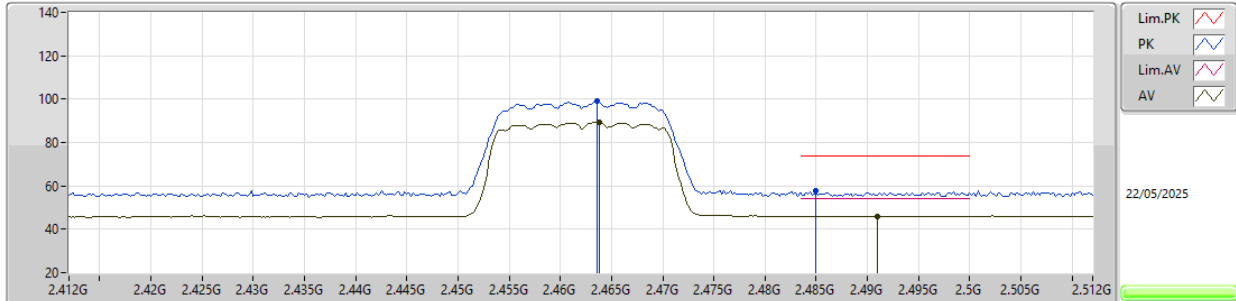
2462MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.4608G	92.71	Inf	-Inf	59.53	3	Vertical	334	3.00	-	27.49	5.69	-			
AV	2.4604G	80.68	Inf	-Inf	47.49	3	Vertical	334	3.00	-	27.50	5.69	-			
PK	2.4906G	58.31	74.00	-15.69	24.90	3	Vertical	334	3.00	-	27.69	5.72	-			
AV	2.4998G	45.53	54.00	-8.47	12.21	3	Vertical	334	3.00	-	27.60	5.72	-			

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

2462MHz_TX

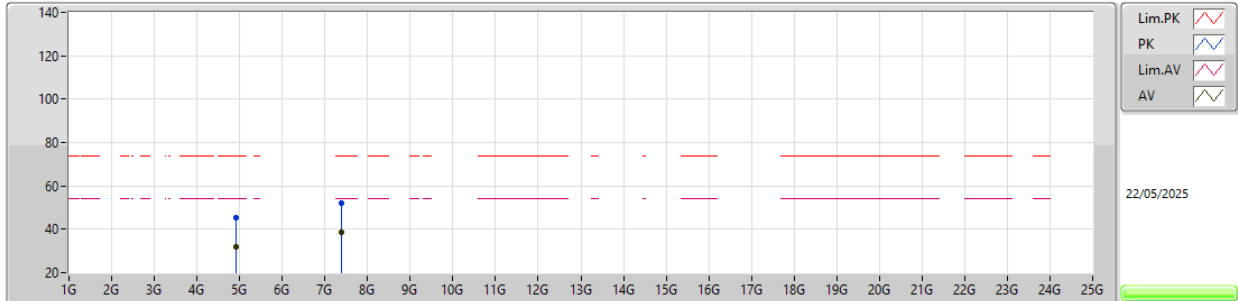


EUT_Z_2TX
Setting 8
04-E-M-1

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	2.463G	99.00	Inf	-Inf	65.85	3	Horizontal	292	1.80	-	27.46	5.69	-			
AV	2.463G	89.35	Inf	-Inf	56.20	3	Horizontal	292	1.80	-	27.46	5.69	-			
PK	2.485G	57.74	74.00	-16.26	24.43	3	Horizontal	292	1.80	-	27.60	5.71	-			
AV	2.491G	46.09	54.00	-7.91	12.68	3	Horizontal	292	1.80	-	27.69	5.72	-			

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

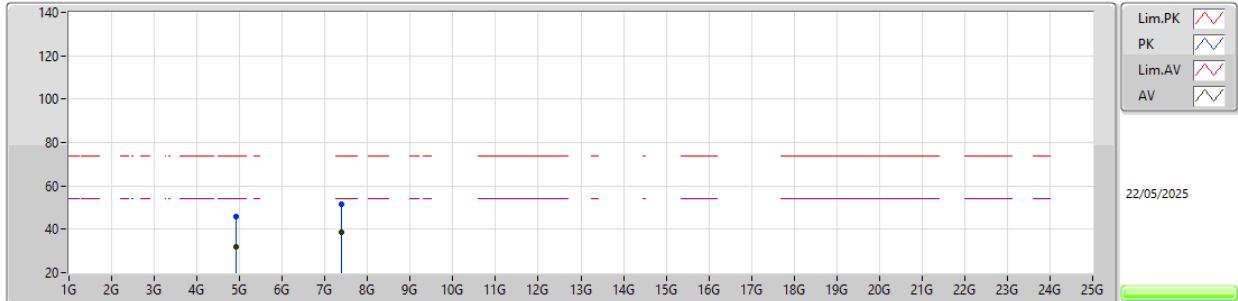
2462MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	4.92466G	45.35	74.00	-28.65	49.74	3	Vertical	161	1.05	-	31.35	8.23	43.97			
AV	4.9245G	31.97	54.00	-22.03	36.36	3	Vertical	161	1.05	-	31.35	8.23	43.97			
PK	7.38647G	52.05	74.00	-21.95	47.98	3	Vertical	18	1.84	-	36.13	10.45	42.51			
AV	7.38674G	38.67	54.00	-15.33	34.60	3	Vertical	18	1.84	-	36.13	10.45	42.51			

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

2462MHz_TX

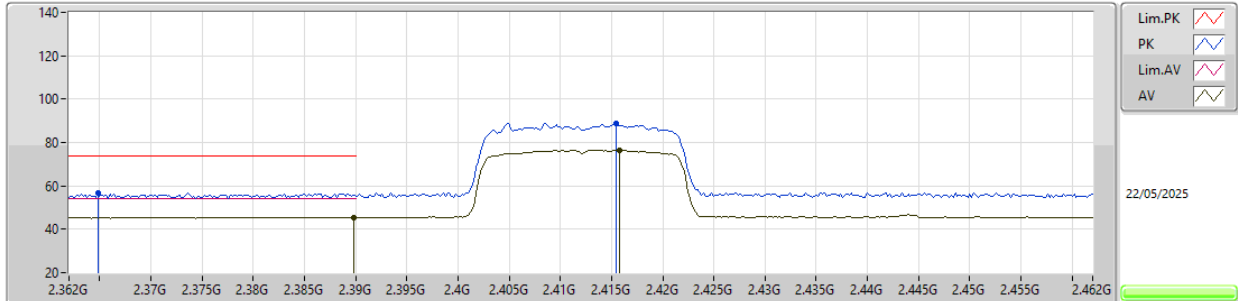


EUT_Z_2TX
Setting 8
04-E-M-1

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	4.92351G	45.81	74.00	-28.19	50.20	3	Horizontal	105	1.23	-	31.35	8.23	43.97			
AV	4.92441G	32.09	54.00	-21.91	36.48	3	Horizontal	105	1.23	-	31.35	8.23	43.97			
PK	7.38663G	51.72	74.00	-22.28	47.65	3	Horizontal	185	1.20	-	36.13	10.45	42.51			
AV	7.38651G	38.49	54.00	-15.51	34.42	3	Horizontal	185	1.20	-	36.13	10.45	42.51			

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

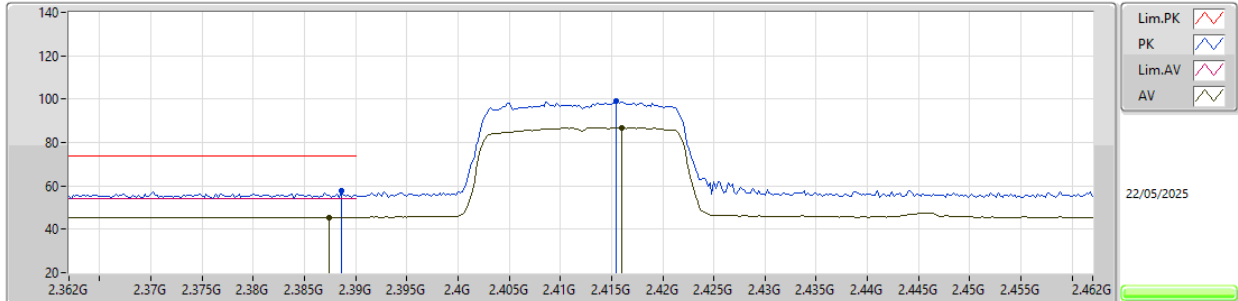
2412MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3648G	56.98	74.00	-17.02	23.77	3	Vertical	75	1.80	-	27.60	5.61	-			
AV	2.3898G	45.47	54.00	-8.53	12.34	3	Vertical	75	1.80	-	27.50	5.63	-			
PK	2.4154G	88.82	Inf	-Inf	55.67	3	Vertical	75	1.80	-	27.50	5.65	-			
AV	2.4158G	76.59	Inf	-Inf	43.44	3	Vertical	75	1.80	-	27.50	5.65	-			

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

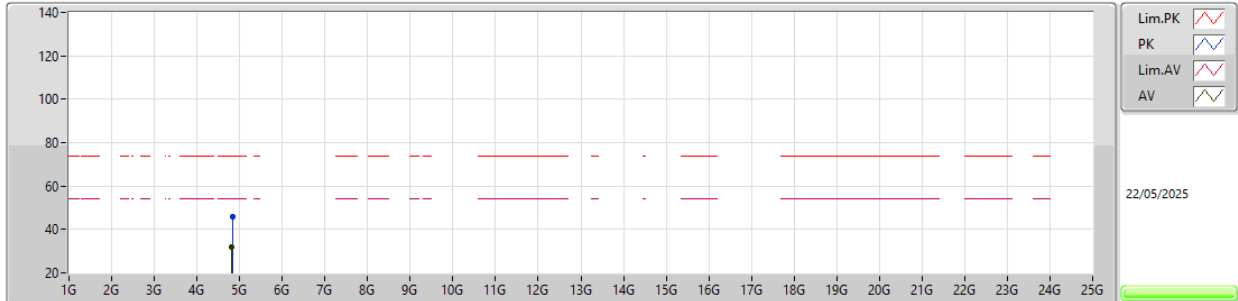
2412MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3886G	57.63	74.00	-16.37	24.50	3	Horizontal	295	1.03	-	27.50	5.63	-			
AV	2.3874G	45.60	54.00	-8.40	12.47	3	Horizontal	295	1.03	-	27.50	5.63	-			
PK	2.4154G	99.15	Inf	-Inf	66.00	3	Horizontal	295	1.03	-	27.50	5.65	-			
AV	2.416G	86.96	Inf	-Inf	53.81	3	Horizontal	295	1.03	-	27.50	5.65	-			

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

2412MHz_TX



Lim.PK
PK
Lim.AV
AV

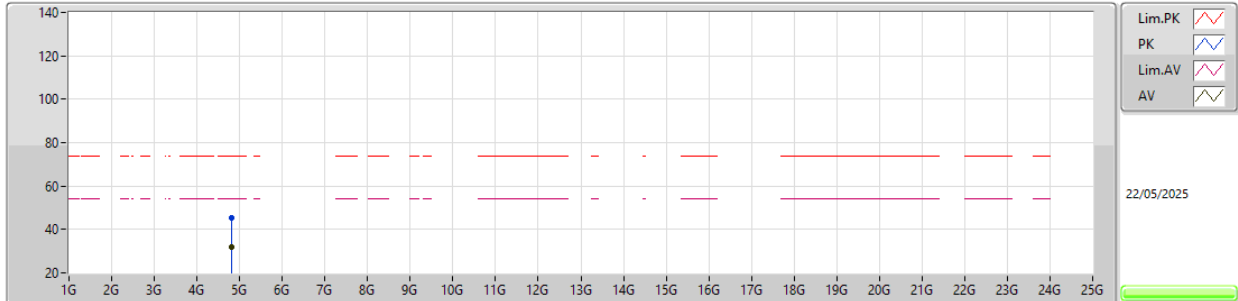
22/05/2025

EUT_Z_2TX
Setting 8
04-E-M-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	4.82488G	45.67	74.00	-28.33	50.25	3	Vertical	297	2.44	-	31.30	8.13	44.01				
AV	4.82329G	31.82	54.00	-22.18	36.41	3	Vertical	297	2.44	-	31.30	8.12	44.01				

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

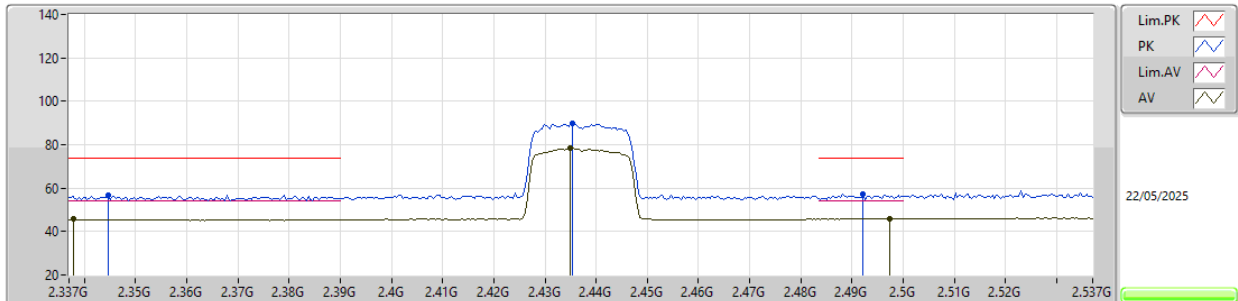
2412MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	4.82372G	45.19	74.00	-28.81	49.78	3	Horizontal	173	1.44	-	31.30	8.12	44.01				
AV	4.82346G	31.92	54.00	-22.08	36.51	3	Horizontal	173	1.44	-	31.30	8.12	44.01				

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

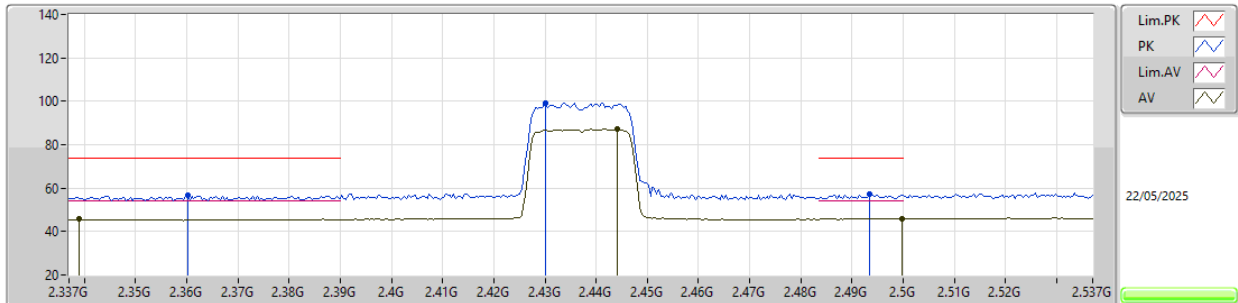
2437MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3446G	56.72	74.00	-17.28	23.43	3	Vertical	126	1.30	-	27.70	5.59	-			
AV	2.3378G	45.62	54.00	-8.38	12.31	3	Vertical	126	1.30	-	27.72	5.59	-			
PK	2.4354G	90.05	Inf	-Inf	56.88	3	Vertical	126	1.30	-	27.50	5.67	-			
AV	2.435G	78.24	Inf	-Inf	45.07	3	Vertical	126	1.30	-	27.50	5.67	-			
PK	2.4922G	57.48	74.00	-16.52	24.08	3	Vertical	126	1.30	-	27.68	5.72	-			
AV	2.4974G	45.95	54.00	-8.05	12.60	3	Vertical	126	1.30	-	27.63	5.72	-			

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

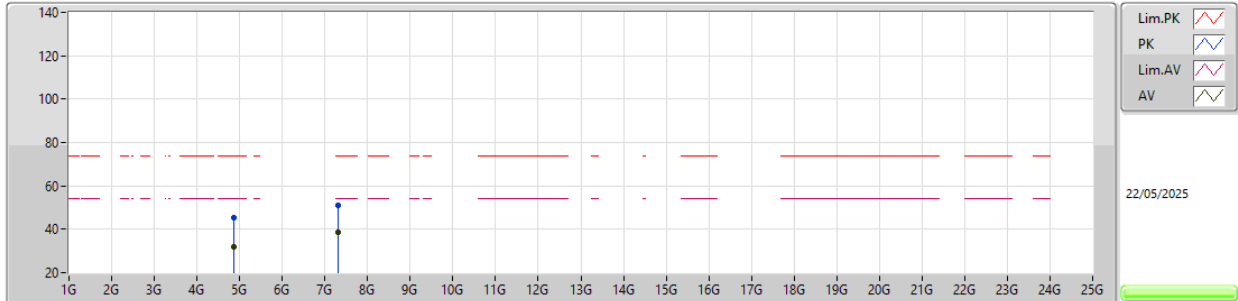
2437MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3602G	56.48	74.00	-17.52	23.27	3	Horizontal	298	1.02	-	27.60	5.61	-			
AV	2.339G	45.70	54.00	-8.30	12.40	3	Horizontal	298	1.02	-	27.71	5.59	-			
PK	2.4302G	99.21	Inf	-Inf	66.04	3	Horizontal	298	1.02	-	27.50	5.67	-			
AV	2.4442G	87.03	Inf	-Inf	53.85	3	Horizontal	298	1.02	-	27.50	5.68	-			
PK	2.4934G	57.36	74.00	-16.64	23.97	3	Horizontal	298	1.02	-	27.67	5.72	-			
AV	2.4998G	46.07	54.00	-7.93	12.75	3	Horizontal	298	1.02	-	27.60	5.72	-			

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

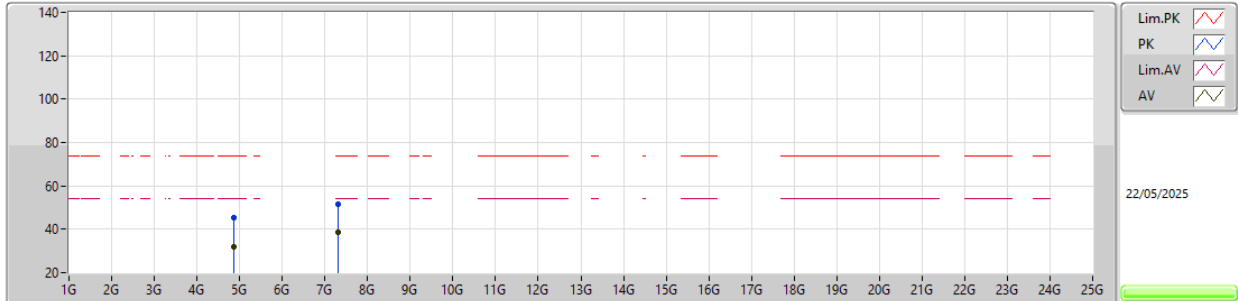
2437MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	4.87477G	45.38	74.00	-28.62	49.89	3	Vertical	269	2.20	-	31.30	8.18	43.99			
AV	4.87391G	32.14	54.00	-21.86	36.65	3	Vertical	269	2.20	-	31.30	8.18	43.99			
PK	7.31062G	51.28	74.00	-22.72	47.25	3	Vertical	177	1.79	-	36.20	10.38	42.55			
AV	7.3103G	38.68	54.00	-15.32	34.65	3	Vertical	177	1.79	-	36.20	10.38	42.55			

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

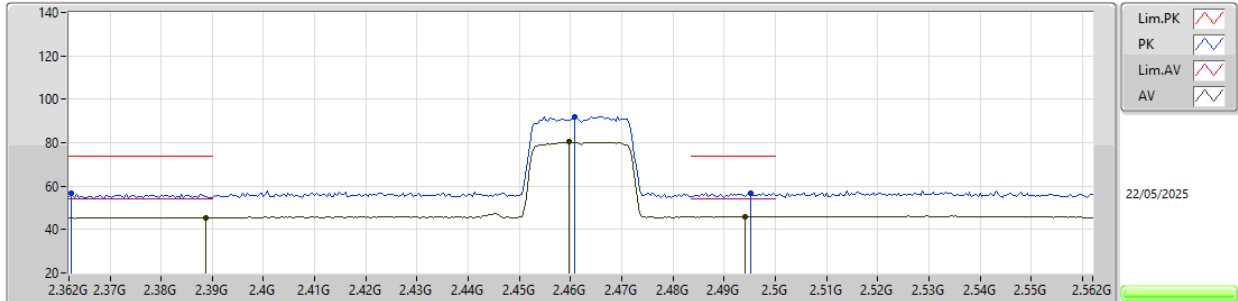
2437MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	4.87381G	45.33	74.00	-28.67	49.84	3	Horizontal	102	1.71	-	31.30	8.18	43.99			
AV	4.87428G	32.12	54.00	-21.88	36.63	3	Horizontal	102	1.71	-	31.30	8.18	43.99			
PK	7.31096G	51.79	74.00	-22.21	47.76	3	Horizontal	275	2.11	-	36.20	10.38	42.55			
AV	7.31043G	38.61	54.00	-15.39	34.58	3	Horizontal	275	2.11	-	36.20	10.38	42.55			

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

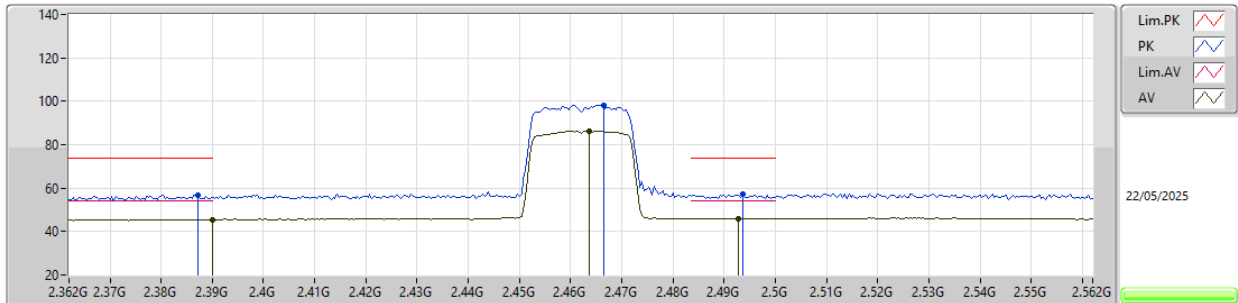
2462MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3624G	56.67	74.00	-17.33	23.46	3	Vertical	334	3.00	-	27.60	5.61	-			
AV	2.3888G	45.54	54.00	-8.46	12.41	3	Vertical	334	3.00	-	27.50	5.63	-			
PK	2.4608G	91.94	Inf	-Inf	58.76	3	Vertical	334	3.00	-	27.49	5.69	-			
AV	2.4596G	80.29	Inf	-Inf	47.10	3	Vertical	334	3.00	-	27.50	5.69	-			
PK	2.4952G	56.95	74.00	-17.05	23.58	3	Vertical	334	3.00	-	27.65	5.72	-			
AV	2.494G	45.85	54.00	-8.15	12.47	3	Vertical	334	3.00	-	27.66	5.72	-			

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

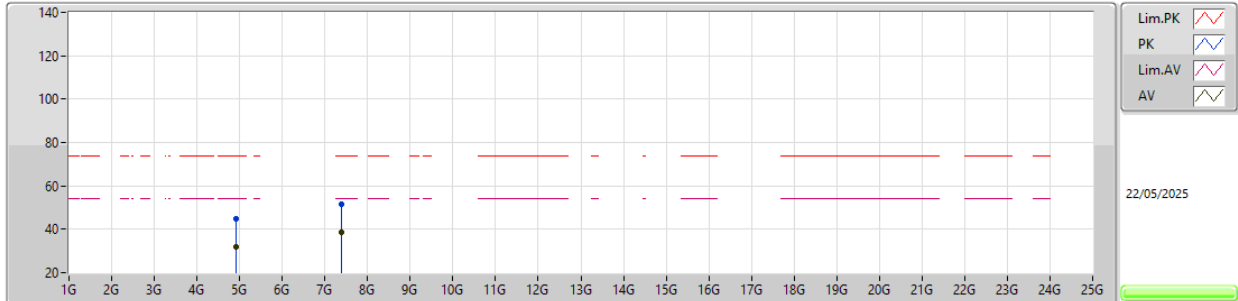
2462MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3872G	56.86	74.00	-17.14	23.73	3	Horizontal	292	1.80	-	27.50	5.63	-			
AV	2.39G	45.50	54.00	-8.50	12.37	3	Horizontal	292	1.80	-	27.50	5.63	-			
PK	2.4664G	98.30	Inf	-Inf	65.16	3	Horizontal	292	1.80	-	27.44	5.70	-			
AV	2.4636G	86.27	Inf	-Inf	53.12	3	Horizontal	292	1.80	-	27.46	5.69	-			
PK	2.4936G	57.01	74.00	-16.99	23.63	3	Horizontal	292	1.80	-	27.66	5.72	-			
AV	2.4928G	46.11	54.00	-7.89	12.72	3	Horizontal	292	1.80	-	27.67	5.72	-			

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

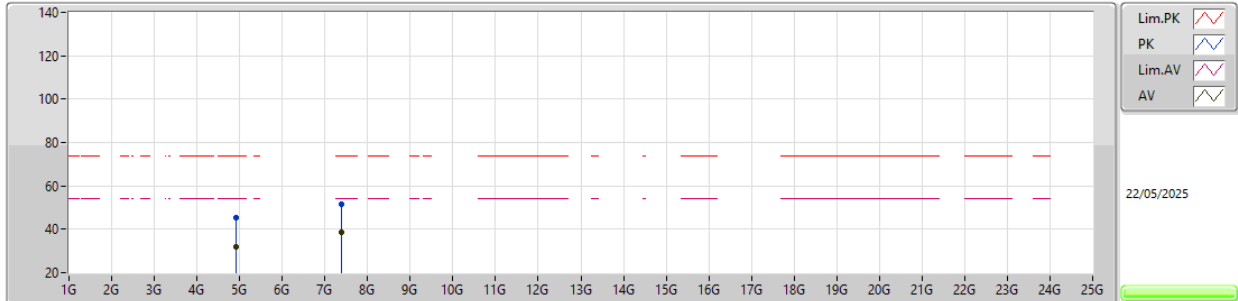
2462MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	4.9234G	44.58	74.00	-29.42	48.97	3	Vertical	33	2.28	-	31.35	8.23	43.97				
AV	4.92324G	31.95	54.00	-22.05	36.34	3	Vertical	33	2.28	-	31.35	8.23	43.97				
PK	7.38563G	51.74	74.00	-22.26	47.67	3	Vertical	233	2.25	-	36.13	10.45	42.51				
AV	7.38634G	38.47	54.00	-15.53	34.40	3	Vertical	233	2.25	-	36.13	10.45	42.51				

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

2462MHz_TX

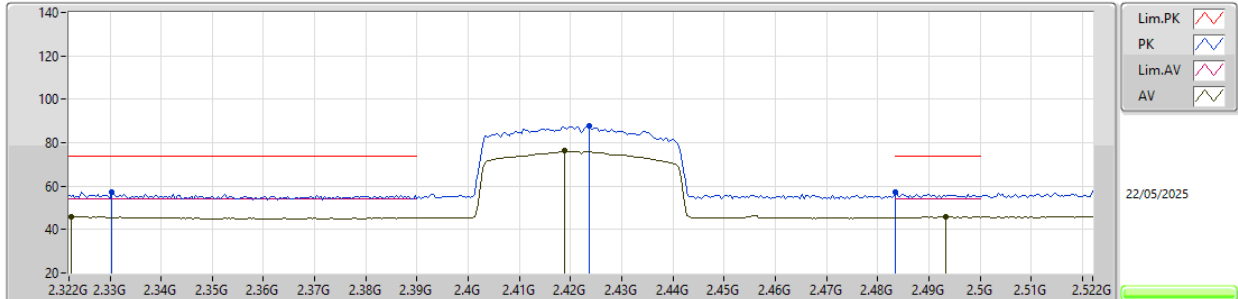


EUT_Z_2TX
Setting 8
04-E-M-1

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	4.92462G	45.13	74.00	-28.87	49.52	3	Horizontal	62	1.55	-	31.35	8.23	43.97			
AV	4.92422G	32.01	54.00	-21.99	36.40	3	Horizontal	62	1.55	-	31.35	8.23	43.97			
PK	7.38691G	51.44	74.00	-22.56	47.37	3	Horizontal	228	2.10	-	36.13	10.45	42.51			
AV	7.38657G	38.53	54.00	-15.47	34.46	3	Horizontal	228	2.10	-	36.13	10.45	42.51			

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

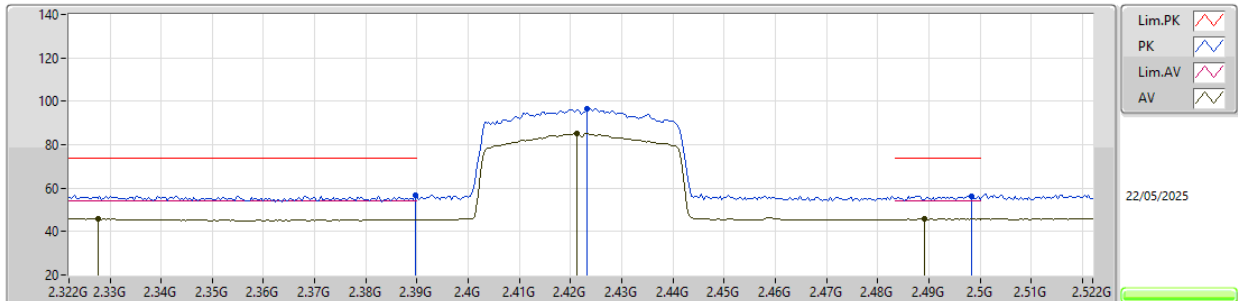
2422MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3304G	57.38	74.00	-16.62	24.00	3	Vertical	158	2.10	-	27.80	5.58	-			
AV	2.3224G	45.82	54.00	-8.18	12.37	3	Vertical	158	2.10	-	27.88	5.57	-			
PK	2.4236G	87.97	Inf	-Inf	54.81	3	Vertical	158	2.10	-	27.50	5.66	-			
AV	2.4188G	76.21	Inf	-Inf	43.05	3	Vertical	158	2.10	-	27.50	5.66	-			
PK	2.4835G	57.02	74.00	-16.98	23.74	3	Vertical	158	2.10	-	27.57	5.71	-			
AV	2.4932G	45.82	54.00	-8.18	12.43	3	Vertical	158	2.10	-	27.67	5.72	-			

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

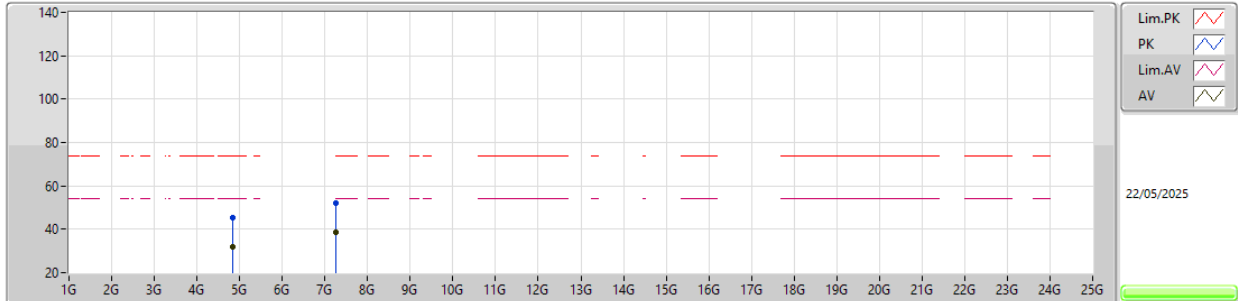
2422MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3896G	56.77	74.00	-17.23	23.64	3	Horizontal	294	1.04	-	27.50	5.63	-			
AV	2.3276G	45.93	54.00	-8.07	12.53	3	Horizontal	294	1.04	-	27.82	5.58	-			
PK	2.4232G	96.75	Inf	-Inf	63.59	3	Horizontal	294	1.04	-	27.50	5.66	-			
AV	2.4212G	85.18	Inf	-Inf	52.02	3	Horizontal	294	1.04	-	27.50	5.66	-			
PK	2.4984G	56.18	74.00	-17.82	22.84	3	Horizontal	294	1.04	-	27.62	5.72	-			
AV	2.4892G	45.83	54.00	-8.17	12.43	3	Horizontal	294	1.04	-	27.68	5.72	-			

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

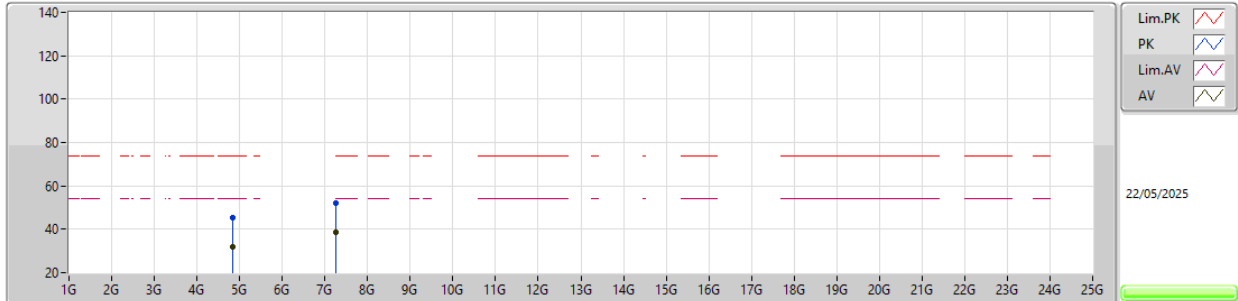
2422MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	4.84457G	45.33	74.00	-28.67	49.88	3	Vertical	4	2.77	-	31.30	8.15	44.00			
AV	4.84428G	31.97	54.00	-22.03	36.52	3	Vertical	4	2.77	-	31.30	8.15	44.00			
PK	7.26645G	51.97	74.00	-22.03	48.01	3	Vertical	217	1.34	-	36.20	10.34	42.58			
AV	7.26603G	38.63	54.00	-15.37	34.67	3	Vertical	217	1.34	-	36.20	10.34	42.58			

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

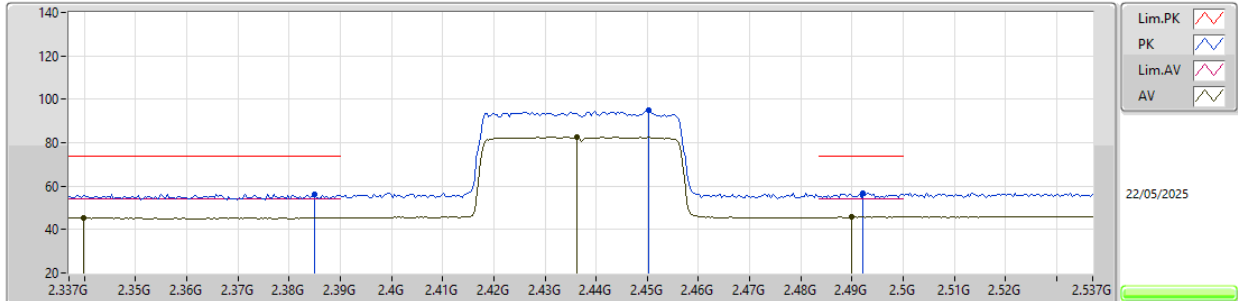
2422MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	4.8433G	45.23	74.00	-28.77	49.78	3	Horizontal	316	1.43	-	31.30	8.15	44.00			
AV	4.84302G	32.06	54.00	-21.94	36.61	3	Horizontal	316	1.43	-	31.30	8.15	44.00			
PK	7.26514G	52.11	74.00	-21.89	48.15	3	Horizontal	164	2.51	-	36.20	10.34	42.58			
AV	7.2651G	38.61	54.00	-15.39	34.65	3	Horizontal	164	2.51	-	36.20	10.34	42.58			

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

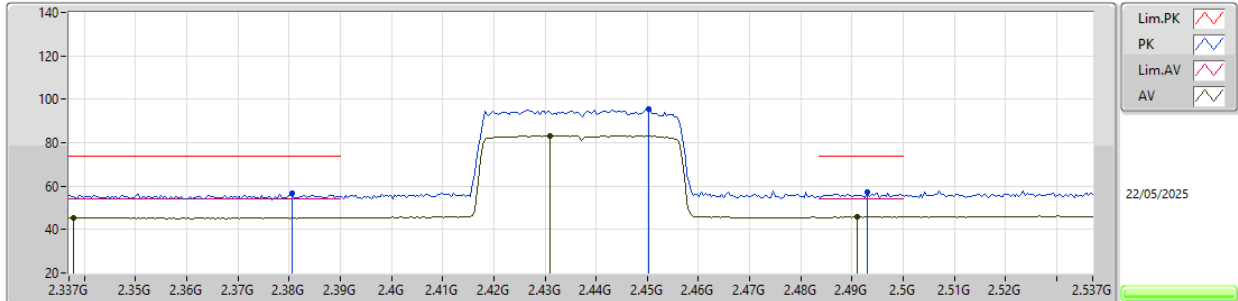
2437MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.385G	56.37	74.00	-17.63	23.24	3	Vertical	261	2.75	-	27.50	5.63	-			
AV	2.3398G	45.43	54.00	-8.57	12.14	3	Vertical	261	2.75	-	27.70	5.59	-			
PK	2.4502G	94.84	Inf	-Inf	61.66	3	Vertical	261	2.75	-	27.50	5.68	-			
AV	2.4362G	82.52	Inf	-Inf	49.35	3	Vertical	261	2.75	-	27.50	5.67	-			
PK	2.4922G	56.63	74.00	-17.37	23.23	3	Vertical	261	2.75	-	27.68	5.72	-			
AV	2.4898G	45.78	54.00	-8.22	12.36	3	Vertical	261	2.75	-	27.70	5.72	-			

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

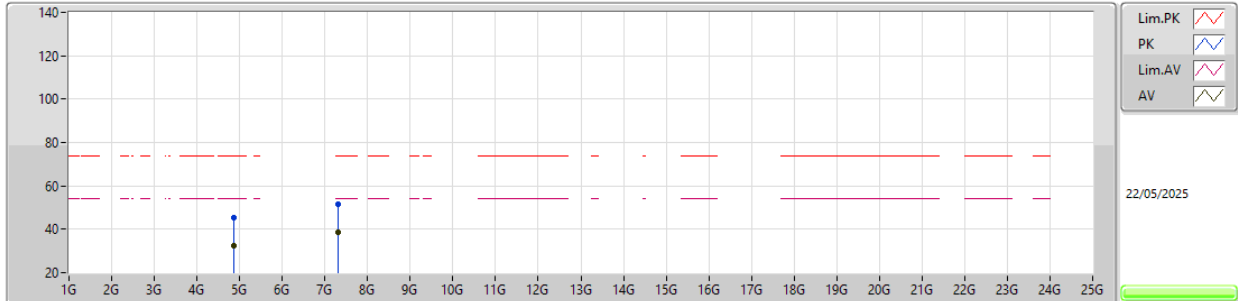
2437MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3806G	56.67	74.00	-17.33	23.55	3	Horizontal	293	1.00	-	27.50	5.62	-			
AV	2.3378G	45.43	54.00	-8.57	12.12	3	Horizontal	293	1.00	-	27.72	5.59	-			
PK	2.4502G	95.32	Inf	-Inf	62.14	3	Horizontal	293	1.00	-	27.50	5.68	-			
AV	2.431G	83.36	Inf	-Inf	50.19	3	Horizontal	293	1.00	-	27.50	5.67	-			
PK	2.493G	57.19	74.00	-16.81	23.80	3	Horizontal	293	1.00	-	27.67	5.72	-			
AV	2.491G	45.89	54.00	-8.11	12.48	3	Horizontal	293	1.00	-	27.69	5.72	-			

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

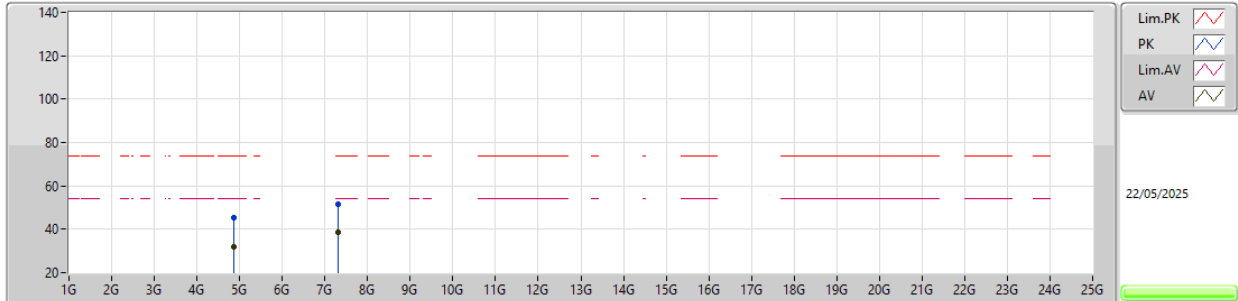
2437MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	4.87364G	45.12	74.00	-28.88	49.63	3	Vertical	353	2.72	-	31.30	8.18	43.99			
AV	4.8739G	32.18	54.00	-21.82	36.69	3	Vertical	353	2.72	-	31.30	8.18	43.99			
PK	7.31024G	51.36	74.00	-22.64	47.33	3	Vertical	78	2.45	-	36.20	10.38	42.55			
AV	7.31006G	38.65	54.00	-15.35	34.62	3	Vertical	78	2.45	-	36.20	10.38	42.55			

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

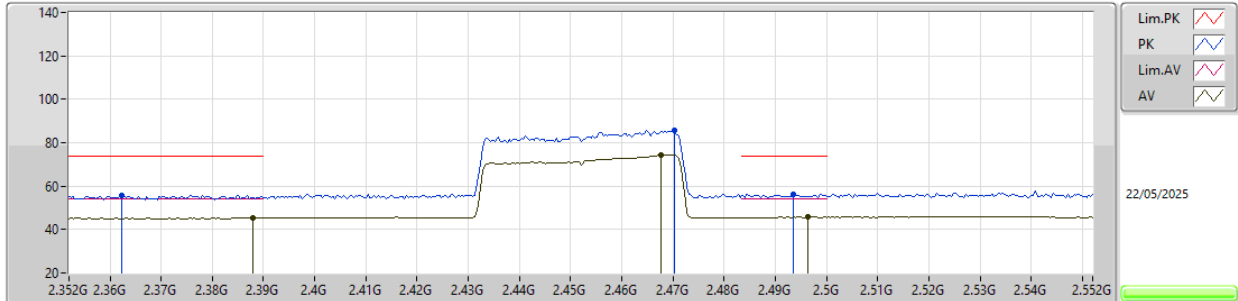
2437MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	4.87445G	45.19	74.00	-28.81	49.70	3	Horizontal	26	1.45	-	31.30	8.18	43.99			
AV	4.87486G	32.10	54.00	-21.90	36.61	3	Horizontal	26	1.45	-	31.30	8.18	43.99			
PK	7.31058G	51.44	74.00	-22.56	47.41	3	Horizontal	243	1.32	-	36.20	10.38	42.55			
AV	7.312G	38.61	54.00	-15.39	34.58	3	Horizontal	243	1.32	-	36.20	10.38	42.55			

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

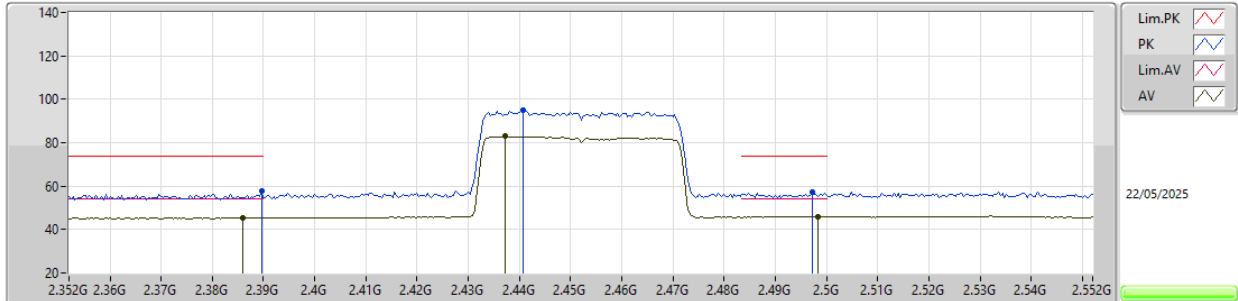
2452MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3624G	55.89	74.00	-18.11	22.68	3	Vertical	234	1.80	-	27.60	5.61	-			
AV	2.388G	45.32	54.00	-8.68	12.19	3	Vertical	234	1.80	-	27.50	5.63	-			
PK	2.4704G	85.75	Inf	-Inf	52.65	3	Vertical	234	1.80	-	27.40	5.70	-			
AV	2.4676G	74.36	Inf	-Inf	41.24	3	Vertical	234	1.80	-	27.42	5.70	-			
PK	2.4936G	56.28	74.00	-17.72	22.90	3	Vertical	234	1.80	-	27.66	5.72	-			
AV	2.4964G	45.75	54.00	-8.25	12.39	3	Vertical	234	1.80	-	27.64	5.72	-			

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

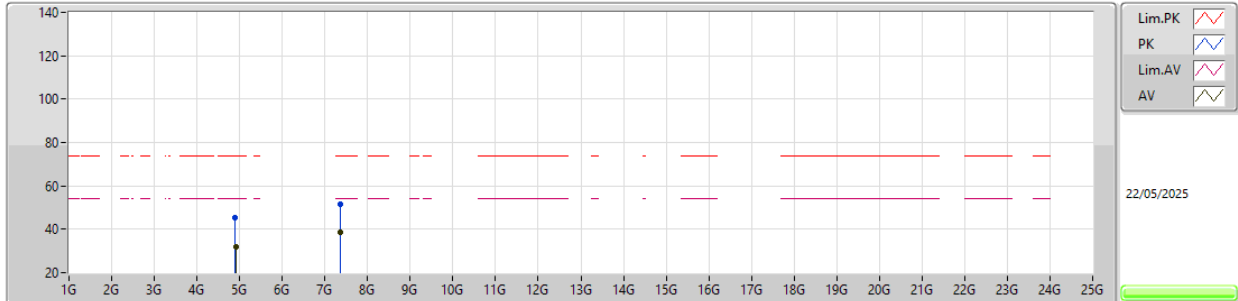
2452MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	2.3896G	57.72	74.00	-16.28	24.59	3	Horizontal	294	1.01	-	27.50	5.63	-			
AV	2.386G	45.36	54.00	-8.64	12.23	3	Horizontal	294	1.01	-	27.50	5.63	-			
PK	2.4408G	95.09	Inf	-Inf	61.92	3	Horizontal	294	1.01	-	27.50	5.67	-			
AV	2.4372G	82.88	Inf	-Inf	49.71	3	Horizontal	294	1.01	-	27.50	5.67	-			
PK	2.4972G	57.09	74.00	-16.91	23.74	3	Horizontal	294	1.01	-	27.63	5.72	-			
AV	2.4984G	45.91	54.00	-8.09	12.57	3	Horizontal	294	1.01	-	27.62	5.72	-			

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

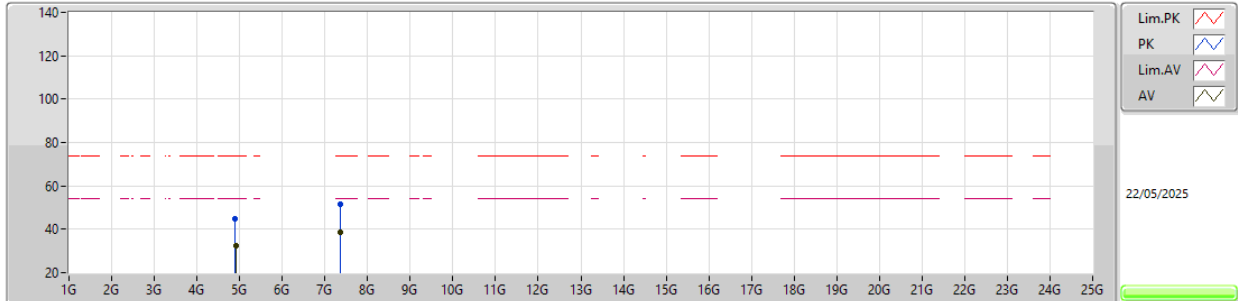
2452MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	4.90314G	45.22	74.00	-28.78	49.68	3	Vertical	28	1.33	-	31.31	8.21	43.98			
AV	4.90468G	31.98	54.00	-22.02	36.44	3	Vertical	28	1.33	-	31.31	8.21	43.98			
PK	7.35648G	51.72	74.00	-22.28	47.64	3	Vertical	185	2.92	-	36.19	10.42	42.53			
AV	7.35573G	38.58	54.00	-15.42	34.50	3	Vertical	185	2.92	-	36.19	10.42	42.53			

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

2452MHz_TX

EUT_Z_2TX
Setting 8
04-E-M-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	4.90332G	45.02	74.00	-28.98	49.48	3	Horizontal	144	1.92	-	31.31	8.21	43.98			
AV	4.90379G	32.26	54.00	-21.74	36.72	3	Horizontal	144	1.92	-	31.31	8.21	43.98			
PK	7.35636G	51.38	74.00	-22.62	47.30	3	Horizontal	1	1.99	-	36.19	10.42	42.53			
AV	7.35587G	38.53	54.00	-15.47	34.45	3	Horizontal	1	1.99	-	36.19	10.42	42.53			