



RADIO TEST REPORT

FCC ID : HEDEAP105
Equipment : Wi-Fi 7 Access Point
Brand Name : Edgecore
Model Name : EAP105XYYYZ
(Please refer to section 1.1.5 for detailed information)
Applicant : Accton Technology Corporation
No. 1, Zhihui 1st Rd., Zhubei City , Hsinchu County 302 Taiwan
Manufacturer : Accton Technology Corporation
No. 1, Zhihui 1st Rd., Zhubei City , Hsinchu County 302 Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Mar. 20, 2024, and testing was started from Oct. 15, 2024 and completed on Jan. 02, 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
FAX : 886-3-656-9085
Report Template No.: CB-A10_10 Ver1.3



Summary of Test Result

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

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Sam Chen

Report Producer: 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), be (EHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax (HEW40), be (EHT40)	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	802.11be EHT20	20	2TX
2.4-2.4835GHz	802.11be EHT20-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
2.4-2.4835GHz	802.11be EHT40	40	2TX
2.4-2.4835GHz	802.11be EHT40-BF	40	2TX

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ EHT20, EHT40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

**1.1.2 Antenna Information**

Ant.	Port				Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz	6GHz	Bluetooth					
1	2	-	-	-	ACCTON Technology Corporation	KG738-125B13U1S	PIFA Antenna	I-PEX	5.31
2	1	-	-	-	ACCTON Technology Corporation	KG738-80W13U1S	PIFA Antenna	I-PEX	5.25
3	-	2	-	-	ACCTON Technology Corporation	KG739-165G13U1S	PIFA Antenna	I-PEX	6.42
4	-	1	-	-	ACCTON Technology Corporation	KG739-100H13U1S	PIFA Antenna	I-PEX	6.76
5	-	-	1	-	ACCTON Technology Corporation	KG737-165A13U1S	PIFA Antenna	I-PEX	6.88
6	-	-	2	-	ACCTON Technology Corporation	KG737-115Y13U1S	PIFA Antenna	I-PEX	6.83
7	-	-	-	1	ACCTON Technology Corporation	GT128V007S-001	CHIP Antenna	N/A	3.71

Note 1: The above information was declared by manufacturer.

Note 2: 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 ;

$$2.4G \ G1 = 5.31 \text{ dBi} ; G2 = 5.25 \text{ dBi} ;$$

$$5G \text{ UNII-1} \ G1 = 6.42 \text{ dBi} ; G2 = 6.76 \text{ dBi} ;$$

$$5G \text{ UNII-2A} \ G1 = 6.42 \text{ dBi} ; G2 = 6.76 \text{ dBi} ;$$

$$5G \text{ UNII-2C} \ G1 = 6.42 \text{ dBi} ; G2 = 6.76 \text{ dBi} ;$$

$$5G \text{ UNII-3} \ G1 = 6.42 \text{ dBi} ; G2 = 6.76 \text{ dBi} ;$$

$$2.4G \ DG = 8.29 \text{ dBi}$$

$$5G \text{ UNII-1} \ DG = 9.6 \text{ dBi}$$

$$5G \text{ UNII-2A} \ G1 = 9.6 \text{ dBi}$$

$$5G \text{ UNII-2C} \ G1 = 9.6 \text{ dBi}$$

$$5G \text{ UNII-3} \ DG = 9.6 \text{ dBi}$$

For 2.4GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 6GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For Bluetooth function:

For Bluetooth mode (1TX/1RX):

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

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss 1,(1D)	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss 1,(6D)	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss 1,(M0)	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss 1,(M0)	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20-BF_Nss 1,(M0)	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40-BF_Nss 1,(M0)	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)

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/be in 2.4GHz, n/ac/ax/be in 5GHz and ax/be in 6GHz.		
Function	☒ Point-to-multipoint	☐ Point-to-point	
Support RU	☒ Full RU	☐ Partial RU	
Test Software Version	QSPR V6.00.00146.1		

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

Equipment Name	Brand Name	Model Name	Description
Wi-Fi 7 Access Point	Edgecore	EAP105XYYYZ	The difference of "XYYYZ" would be marketing strategy: X can be symbol "(" or "blank" Y can be "A~Z, a~z, 1~9 or blank and -" Z can be symbol ")" or "blank"

Note 1: From the above models, model: EAP105 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	TH01-CB	Serway Lee	22.7~24.4 / 62~64	Oct. 21, 2024~ Dec. 28, 2024
Radiated (below 1GHz)	03CH03-CB	Gordon Hung	22.2~22.6 / 59~61	Jan. 02, 2025
Radiated (above 1GHz)	03CH06-CB	Gordon Hung	22.5~22.9 / 58~60	Oct. 15, 2024~ Dec. 27, 2024
AC Conduction	CO02-CB	Ryan Huang	21~22 / 61~62	Oct. 30, 2024

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 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
802.11be EHT20_Nss1,(MCS0)_2TX
2412MHz
2437MHz
2462MHz
802.11be EHT40_Nss1,(MCS0)_2TX
2422MHz
2437MHz
2452MHz
802.11be EHT20-BF_Nss1,(MCS0)_2TX
2412MHz
2437MHz
2462MHz
802.11be EHT40-BF_Nss1,(MCS0)_2TX
2422MHz
2437MHz
2452MHz

Note:

- ♦ EHT20/EHT40 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40/HEW20/HEW40 mode are the same or lower than EHT20/EHT40.
- ♦ 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 + type-C cable
2	EUT + PoE
For operating mode 2 is the worst case and it was record in this test report.	

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

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Bluetooth+WLAN 2.4GHz+WLAN 5GHz+WLAN 6GHz
Refer to Sporton Test Report No.: FA431508 for Co-location RF Exposure Evaluation.	

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

The adapter and PoE information as below:

Support Unit	Brand Name	Model Number
Adapter	j5create	JUP37185
PoE	Cambium	NET-P30-56IN

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

Accessories
Bracket*1

2.5 Support Equipments

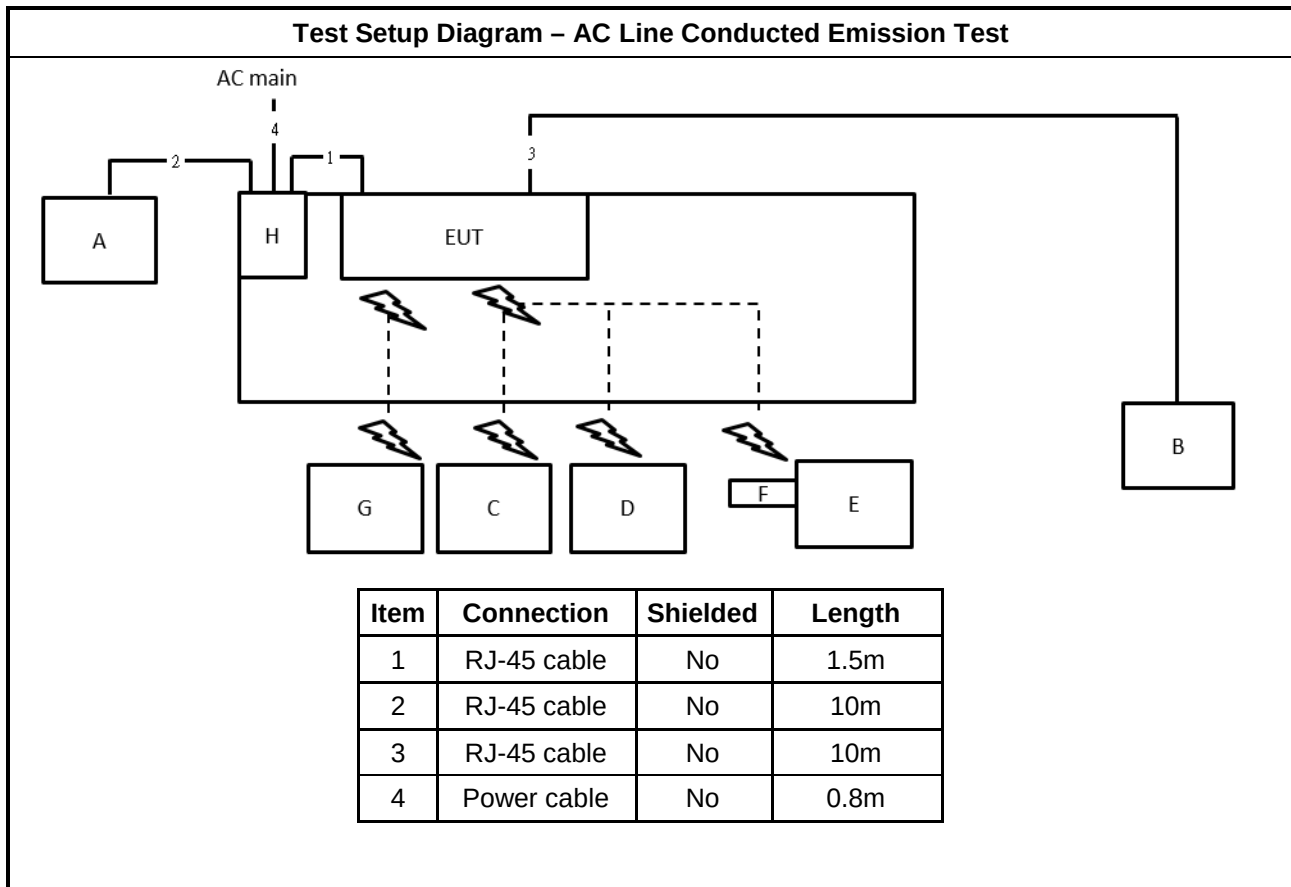
For AC Conduction:

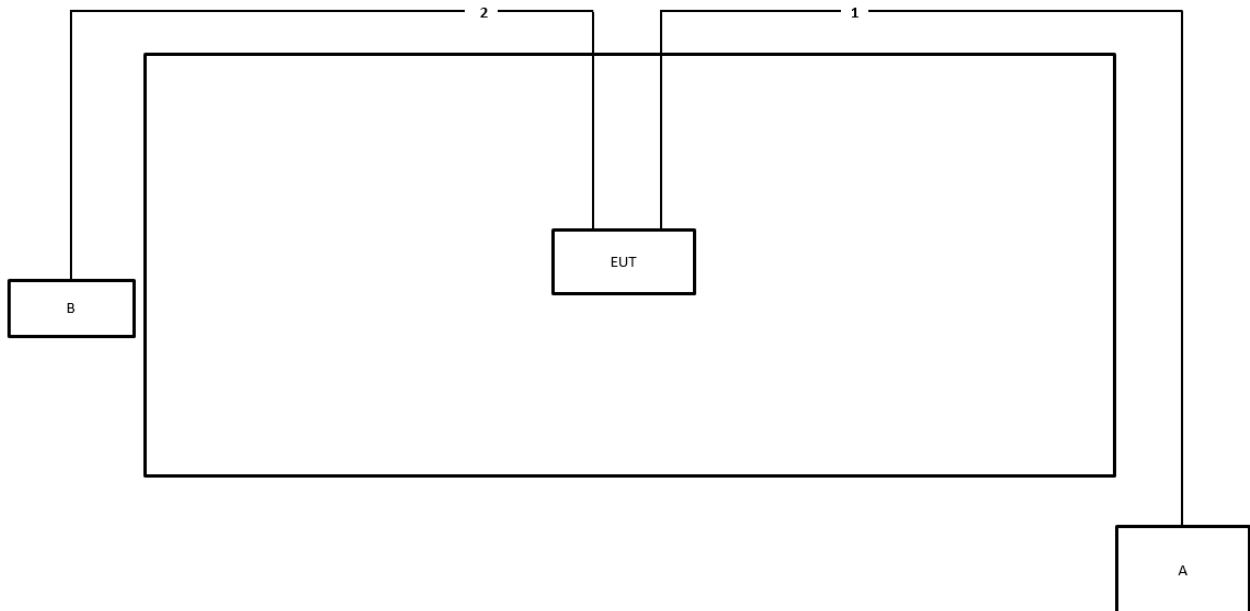
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	5G PoE PC	ASUS	S300TA	NA
B	1G LAN NB	Lenovo	X260	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	6E NB	DELL	E7240	N/A
F	6E Device	INTEL	BE200	PD9BE200NG
G	Smart phone	Samsung	Galaxy J2	A3LSMG532M
H	PoE	Cambium	NET-P30-56IN	N/A

**For Radiated and RF Conducted:**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE	Cambium	NET-P30-56IN	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

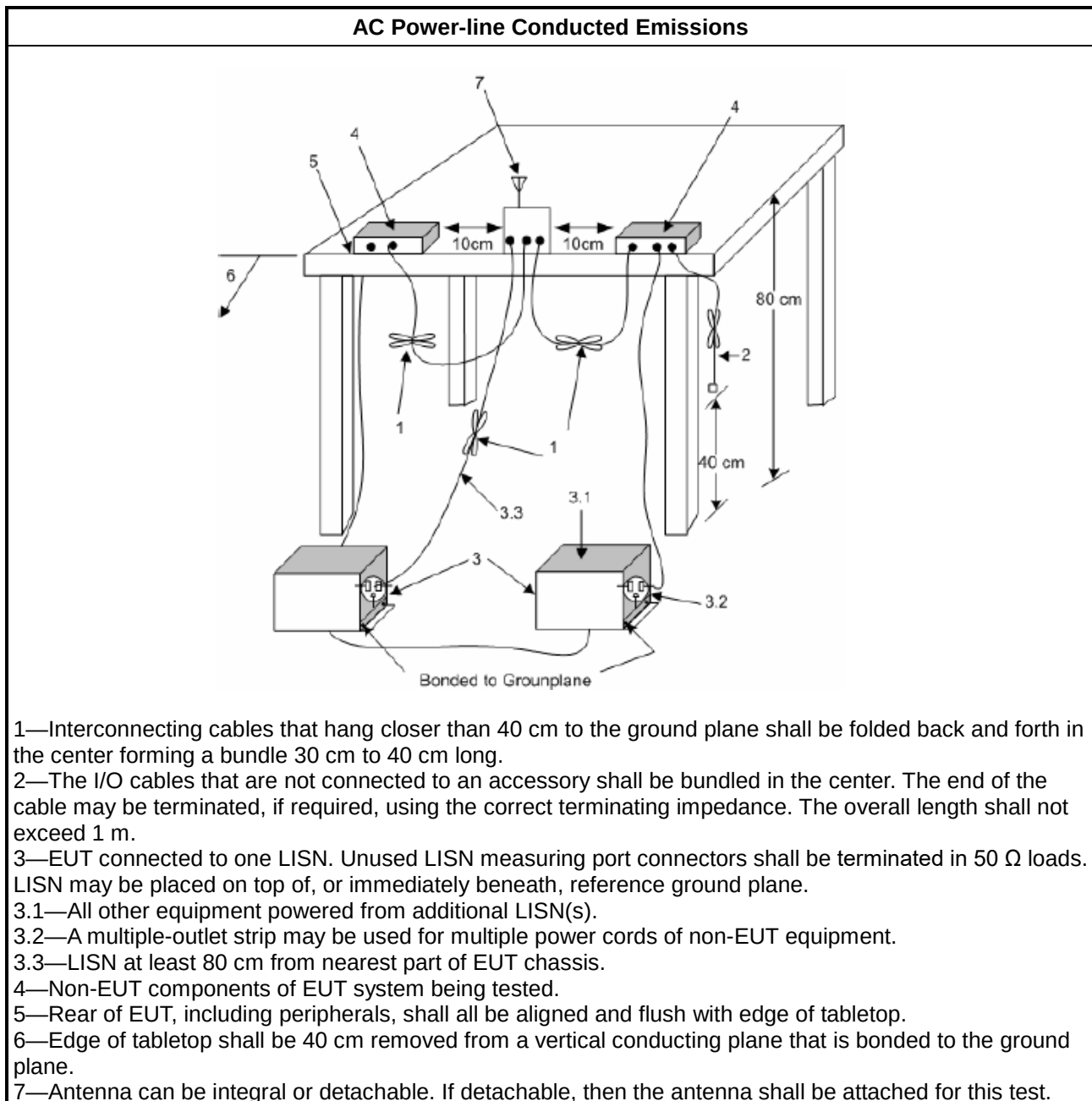
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

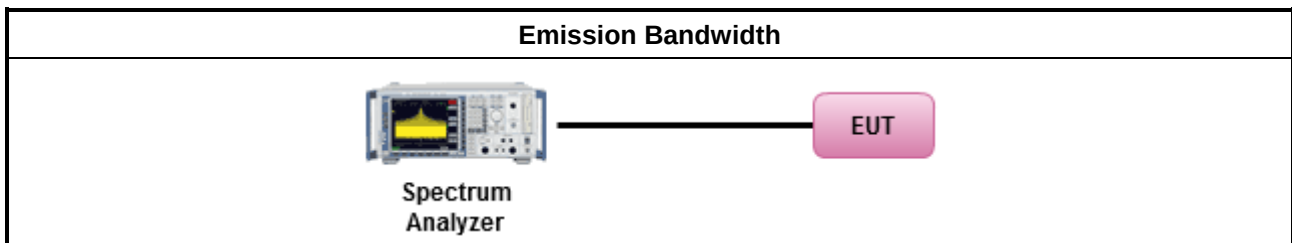
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

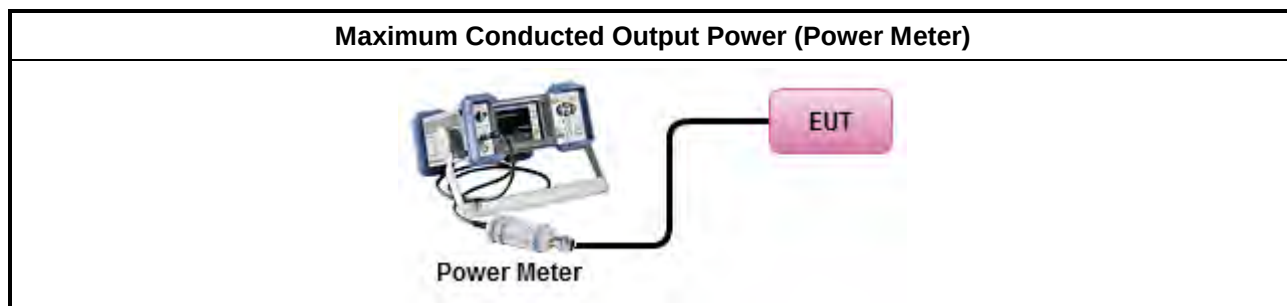
Refer a test equipment and calibration data table in this test report.



3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

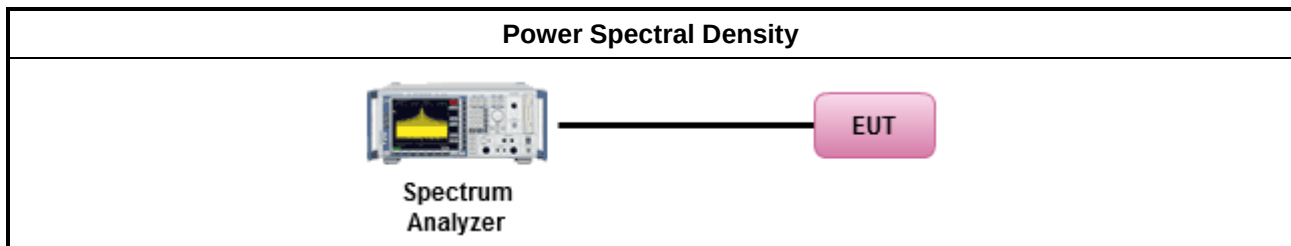
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

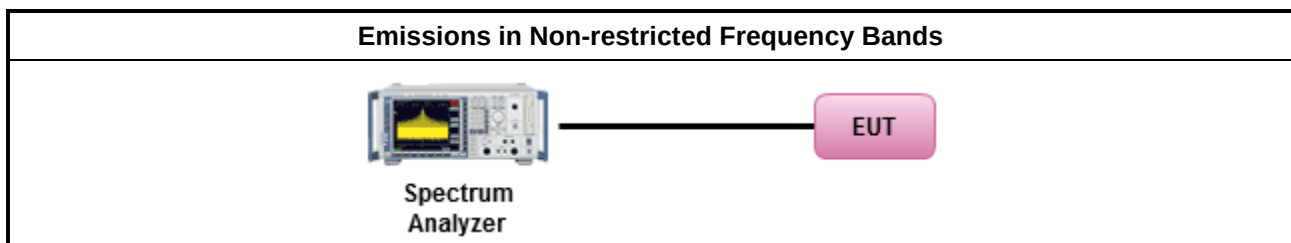
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

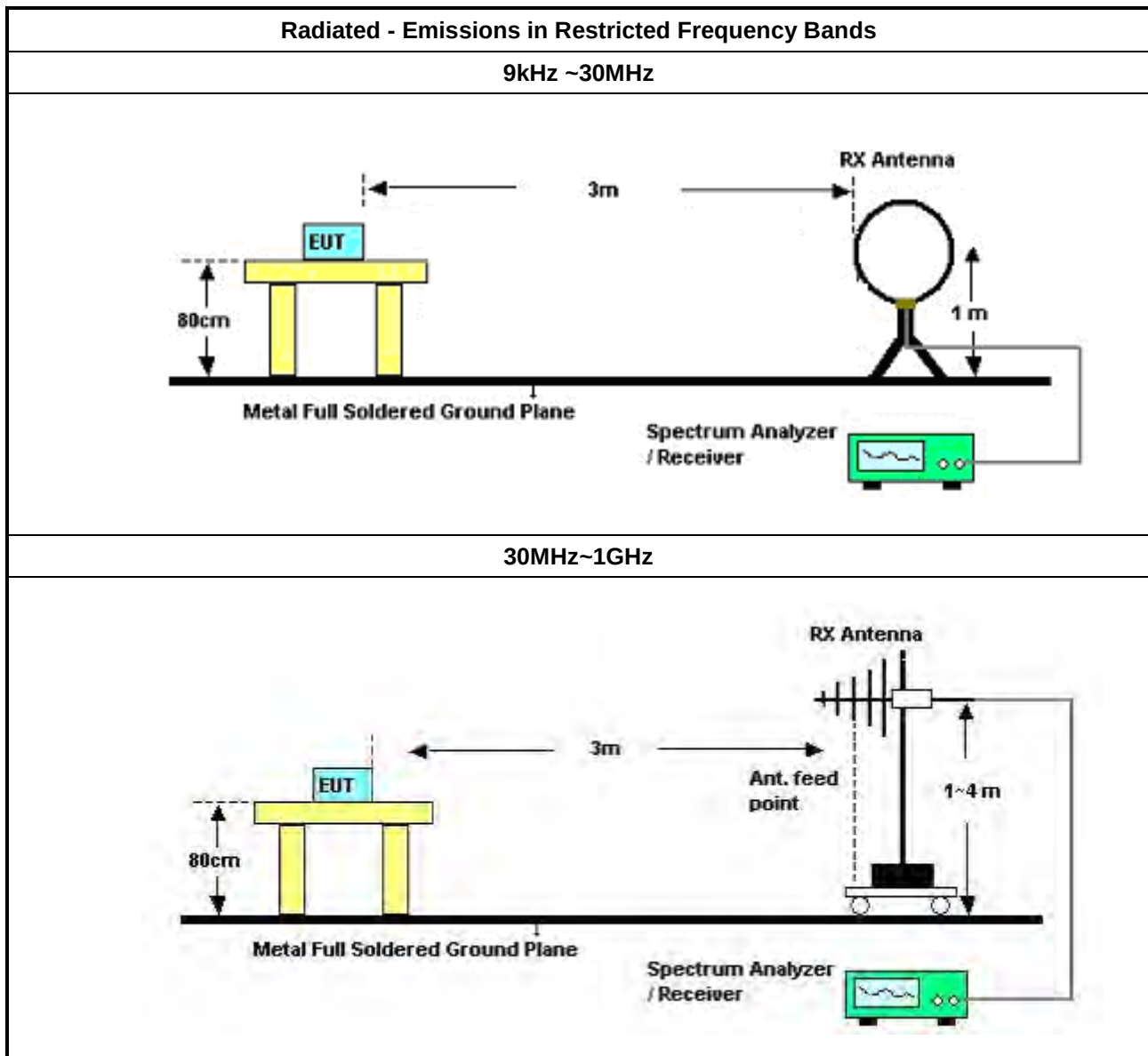
Refer a test equipment and calibration data table in this test report.

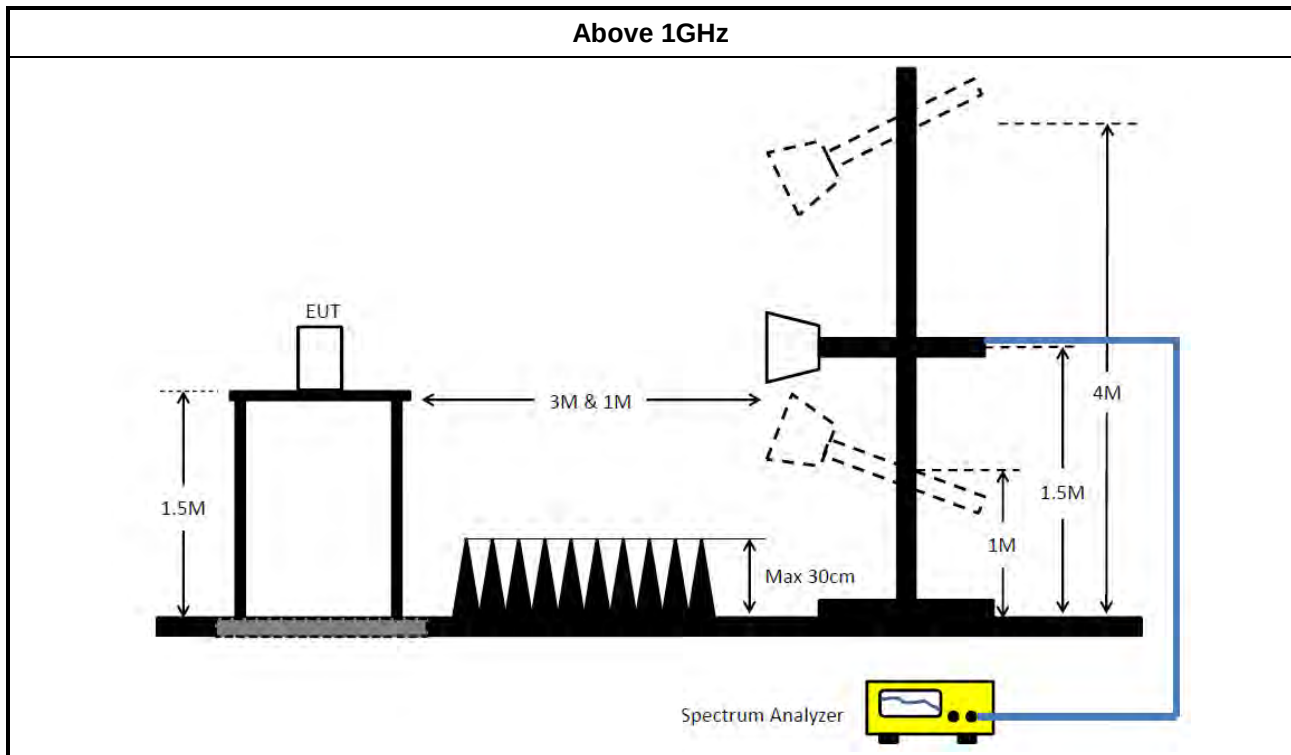


3.6.3 Test Procedures

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

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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	02	0.15MHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO02-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 18, 2024	Jan. 17, 2025	Radiation (03CH03-CB)
Bilog Antenna with 6dB Attenuator	Schaffner & EMCI	CBL6112B& N-6-06	2888&AT-N0 605	30MHz ~ 1GHz	Jan. 18, 2024	Jan. 17, 2025	Radiation (03CH03-CB)
Amplifier	SGH	SGH301	20240606-1	30MHz ~ 1GHz	Jun. 04, 2024	Jun. 03, 2025	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 11, 2024	Jun. 10, 2025	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 08, 2024	Oct. 07, 2025	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA917025 2	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH1840	20230109-3	18~40GHz	Jan. 12, 2024	Jan. 11, 2025	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 20, 2024	Aug. 19, 2025	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	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 27, 2024	May 26, 2025	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~18 GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
Cable 9k-18G	Woken	RG402	Cable-95	9 kHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Mar. 01, 2024	Feb. 28, 2025	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	MY45100745	50MHz~18GHz	Jul. 12, 2024	Jul. 11, 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.



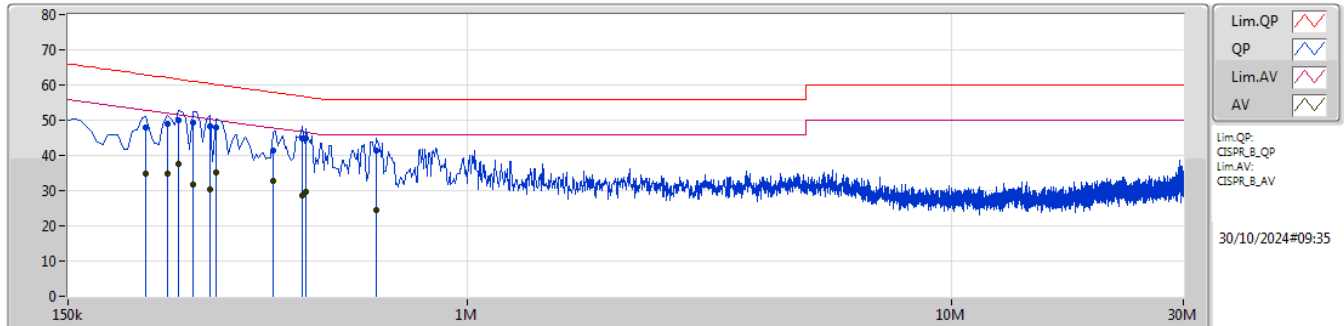
Conducted Emissions at Powerline

Appendix A

Summary

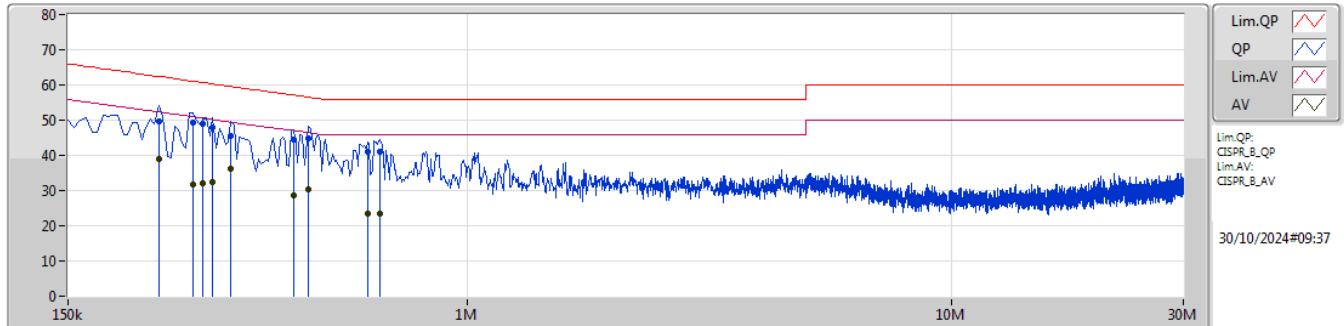
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	QP	271.5k	49.36	61.07	-11.71	Neutral

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	217.5k	47.78	62.92	-15.14	10.09	Line	-	37.69	0.05	0.02	10.02						
AV	217.5k	34.79	52.92	-18.13	10.09	Line	-	24.70	0.05	0.02	10.02						
QP	240k	48.89	62.10	-13.21	10.10	Line	-	38.79	0.05	0.03	10.02						
AV	240k	34.74	52.10	-17.36	10.10	Line	-	24.64	0.05	0.03	10.02						
QP	253.5k	49.83	61.64	-11.81	10.10	Line	-	39.73	0.05	0.03	10.02						
AV	253.5k	37.59	51.64	-14.05	10.10	Line	-	27.49	0.05	0.03	10.02						
QP	271.5k	49.35	61.07	-11.72	10.10	Line	"Worst"	39.25	0.05	0.03	10.02						
AV	271.5k	31.78	51.07	-19.29	10.10	Line	-	21.68	0.05	0.03	10.02						
QP	294k	48.18	60.42	-12.24	10.11	Line	-	38.07	0.05	0.03	10.03						
AV	294k	30.43	50.42	-19.99	10.11	Line	-	20.32	0.05	0.03	10.03						
QP	303k	47.82	60.17	-12.35	10.11	Line	-	37.71	0.05	0.03	10.03						
AV	303k	35.11	50.17	-15.06	10.11	Line	-	25.00	0.05	0.03	10.03						
QP	397.5k	41.31	57.91	-16.60	10.12	Line	-	31.19	0.05	0.04	10.03						
AV	397.5k	32.65	47.91	-15.26	10.12	Line	-	22.53	0.05	0.04	10.03						
QP	456k	44.72	56.76	-12.04	10.12	Line	-	34.60	0.05	0.04	10.03						
AV	456k	28.49	46.76	-18.27	10.12	Line	-	18.37	0.05	0.04	10.03						
QP	465k	44.72	56.61	-11.89	10.12	Line	-	34.60	0.05	0.04	10.03						
AV	465k	29.82	46.61	-16.79	10.12	Line	-	19.70	0.05	0.04	10.03						
QP	649.5k	41.42	56.00	-14.58	10.12	Line	-	31.30	0.06	0.03	10.03						
AV	649.5k	24.40	46.00	-21.60	10.12	Line	-	14.28	0.06	0.03	10.03						

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	231k	49.49	62.41	-12.92	10.09	Neutral	-	39.40	0.05	0.02	10.02						
AV	231k	39.01	52.41	-13.40	10.09	Neutral	-	28.92	0.05	0.02	10.02						
QP	271.5k	49.36	61.07	-11.71	10.10	Neutral	"Worst"	39.26	0.05	0.03	10.02						
AV	271.5k	31.77	51.07	-19.30	10.10	Neutral	-	21.67	0.05	0.03	10.02						
QP	285k	48.88	60.67	-11.79	10.11	Neutral	-	38.77	0.05	0.03	10.03						
AV	285k	32.20	50.67	-18.47	10.11	Neutral	-	22.09	0.05	0.03	10.03						
QP	298.5k	47.89	60.28	-12.39	10.11	Neutral	-	37.78	0.05	0.03	10.03						
AV	298.5k	32.43	50.28	-17.85	10.11	Neutral	-	22.32	0.05	0.03	10.03						
QP	325.5k	45.60	59.56	-13.96	10.11	Neutral	-	35.49	0.05	0.03	10.03						
AV	325.5k	36.37	49.56	-13.19	10.11	Neutral	-	26.26	0.05	0.03	10.03						
QP	438k	44.54	57.11	-12.57	10.12	Neutral	-	34.42	0.05	0.04	10.03						
AV	438k	28.45	47.11	-18.66	10.12	Neutral	-	18.33	0.05	0.04	10.03						
QP	469.5k	44.73	56.52	-11.79	10.12	Neutral	-	34.61	0.05	0.04	10.03						
AV	469.5k	30.33	46.52	-16.19	10.12	Neutral	-	20.21	0.05	0.04	10.03						
QP	622.5k	41.18	56.00	-14.82	10.11	Neutral	-	31.07	0.05	0.03	10.03						
AV	622.5k	23.60	46.00	-22.40	10.11	Neutral	-	13.49	0.05	0.03	10.03						
QP	658.5k	41.10	56.00	-14.90	10.12	Neutral	-	30.98	0.06	0.03	10.03						
AV	658.5k	23.62	46.00	-22.38	10.12	Neutral	-	13.50	0.06	0.03	10.03						

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	8.5M	13.399M	13M4G1D	4.075M	12.768M
802.11g_Nss1,(6Mbps)_2TX	16.05M	16.605M	16M6D1D	11.35M	16.444M
802.11be EHT20_Nss1.(MCS0)_2TX	19.075M	19.032M	19M0D1D	11.925M	18.685M
802.11be EHT40_Nss1.(MCS0)_2TX	37.85M	37.697M	37M7D1D	21.05M	37.346M

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	8.5M	13.098M	4.075M	13.399M
2437MHz	Pass	500k	7.625M	13.11M	7.775M	12.809M
2462MHz	Pass	500k	6.6M	13.133M	8.5M	12.768M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.875M	16.584M	15.425M	16.575M
2437MHz	Pass	500k	16.05M	16.602M	12.825M	16.605M
2462MHz	Pass	500k	15.15M	16.444M	11.35M	16.523M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17M	18.844M	19.05M	18.994M
2437MHz	Pass	500k	18.45M	18.941M	19.075M	19.032M
2462MHz	Pass	500k	18.375M	18.918M	11.925M	18.685M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.55M	37.586M	35.9M	37.346M
2437MHz	Pass	500k	35.05M	37.697M	21.05M	37.349M
2452MHz	Pass	500k	37.85M	37.614M	35.95M	37.358M

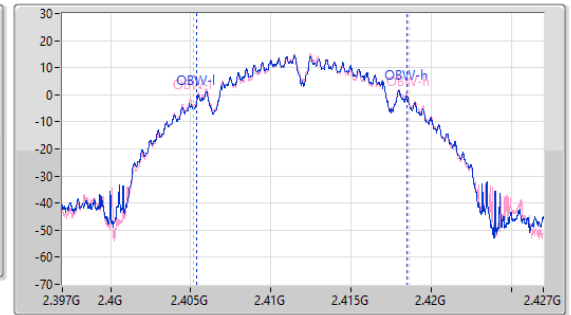
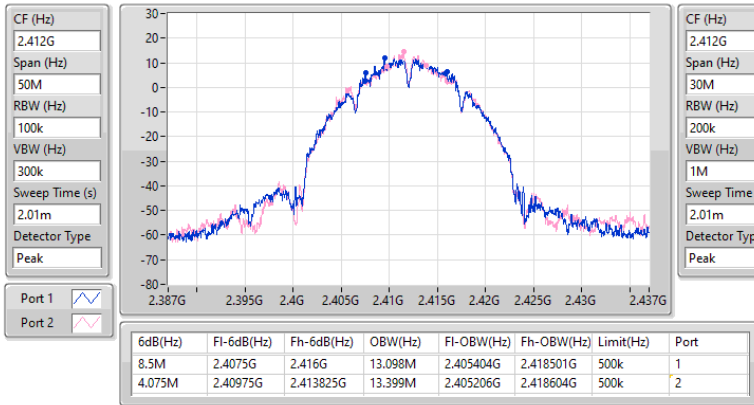
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2412MHz

21/10/2024

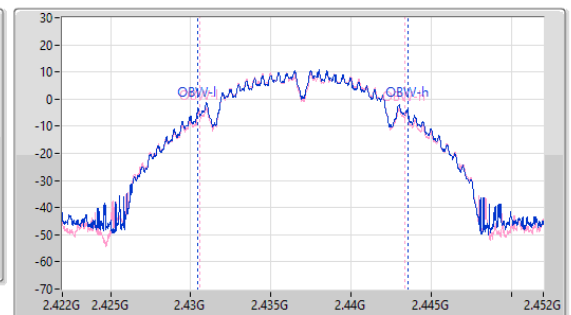
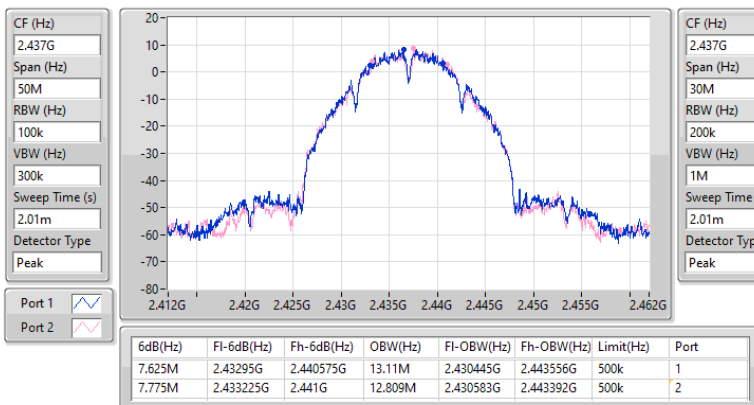


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

21/10/2024

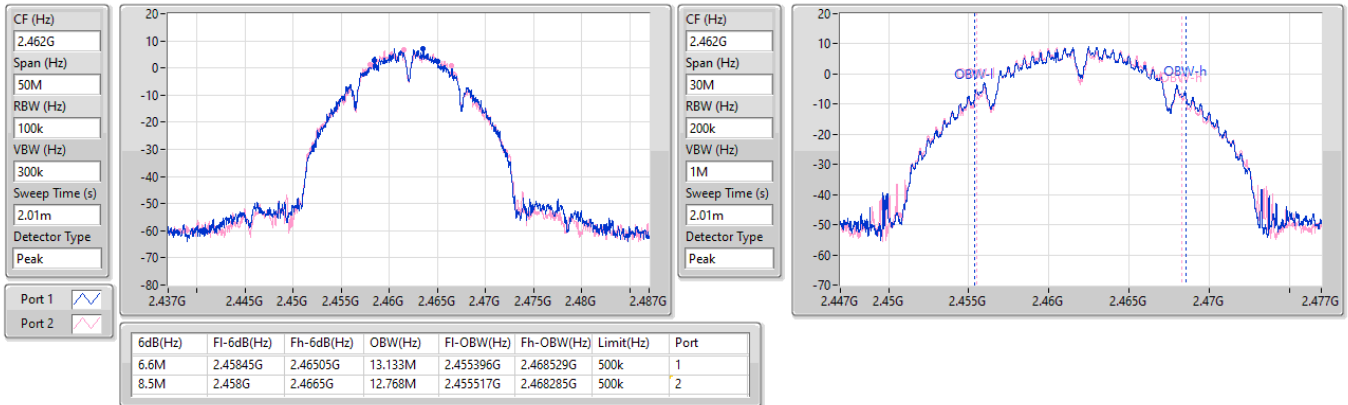


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

21/10/2024

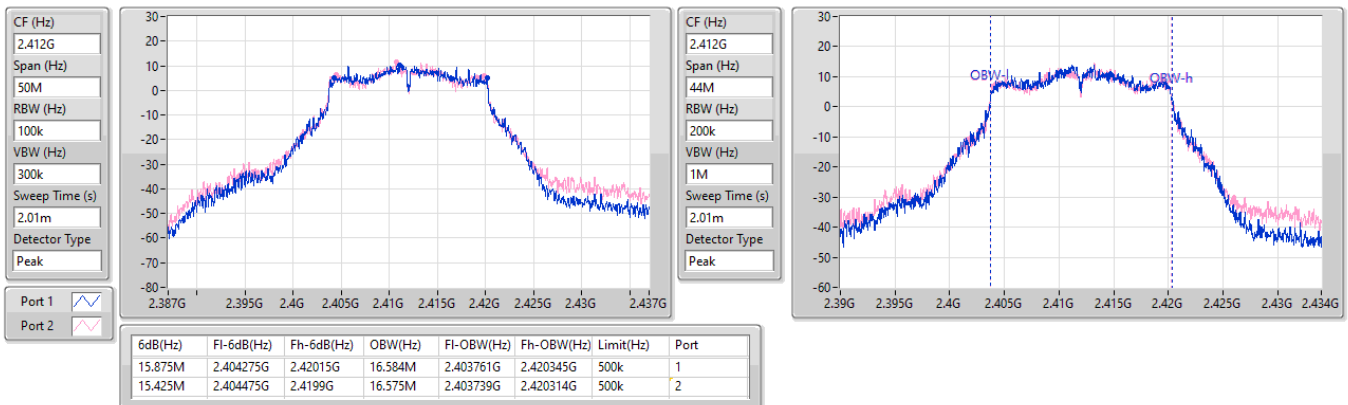


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

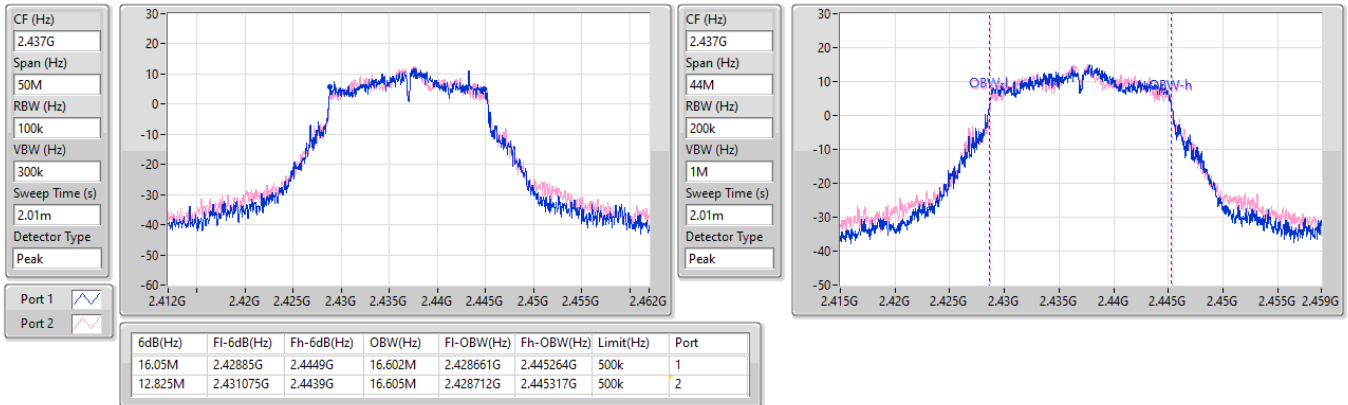
2412MHz

21/10/2024

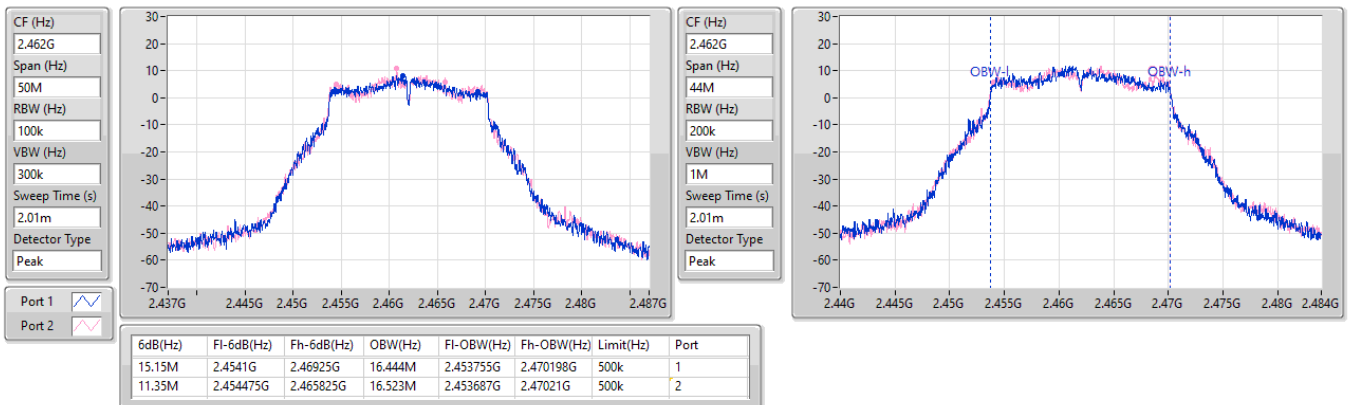


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

21/10/2024

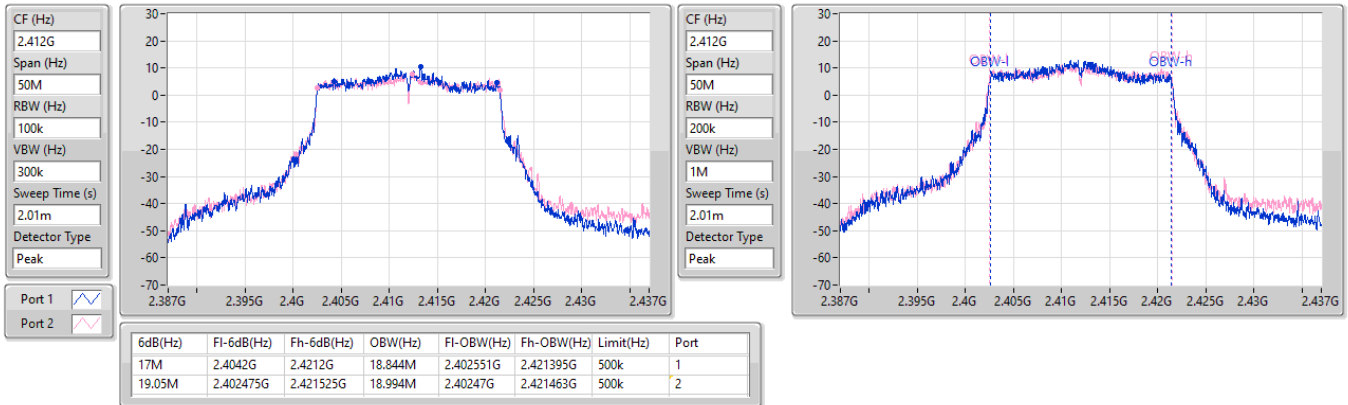

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
EBW
2462MHz

21/10/2024

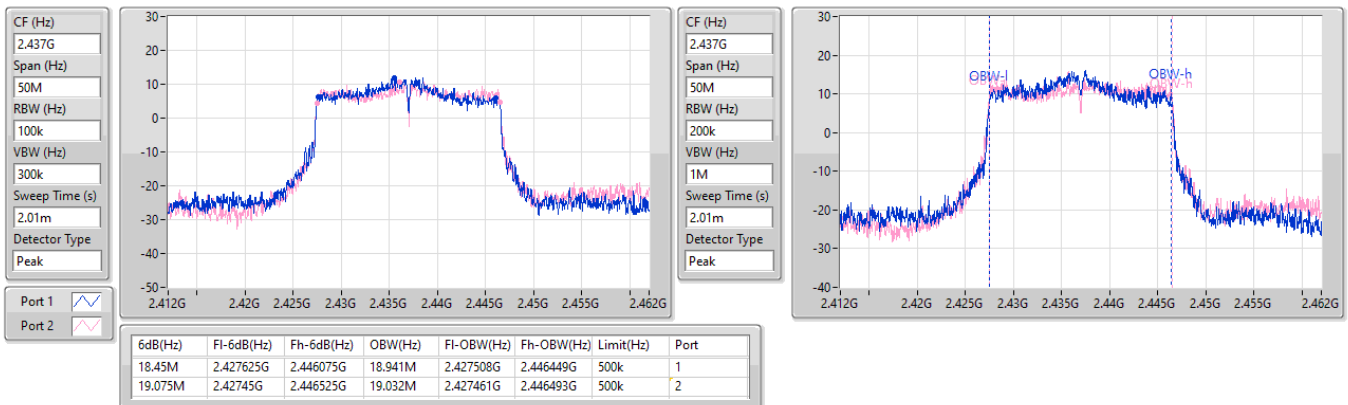


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
2412MHz

21/10/2024


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
2437MHz

21/10/2024

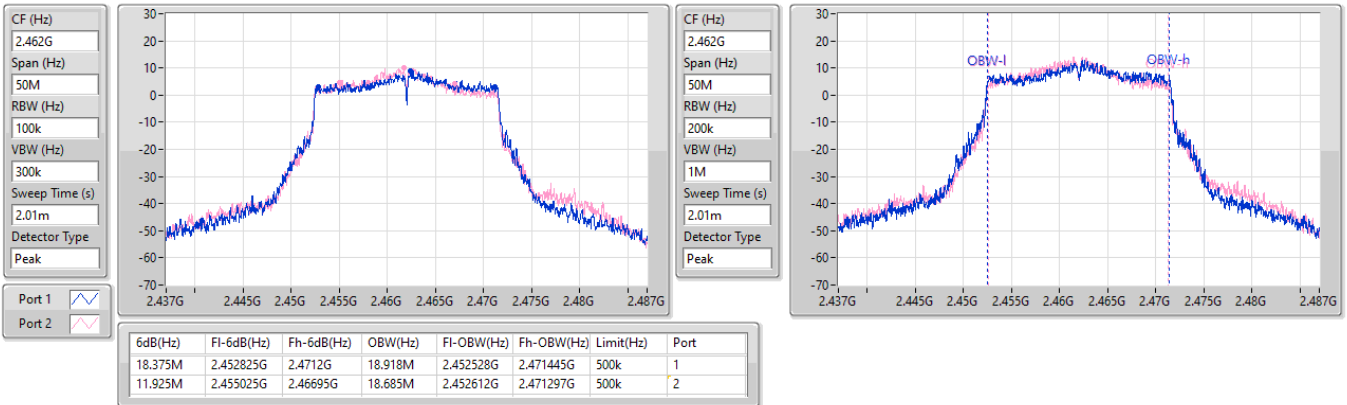


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

2462MHz

22/10/2024

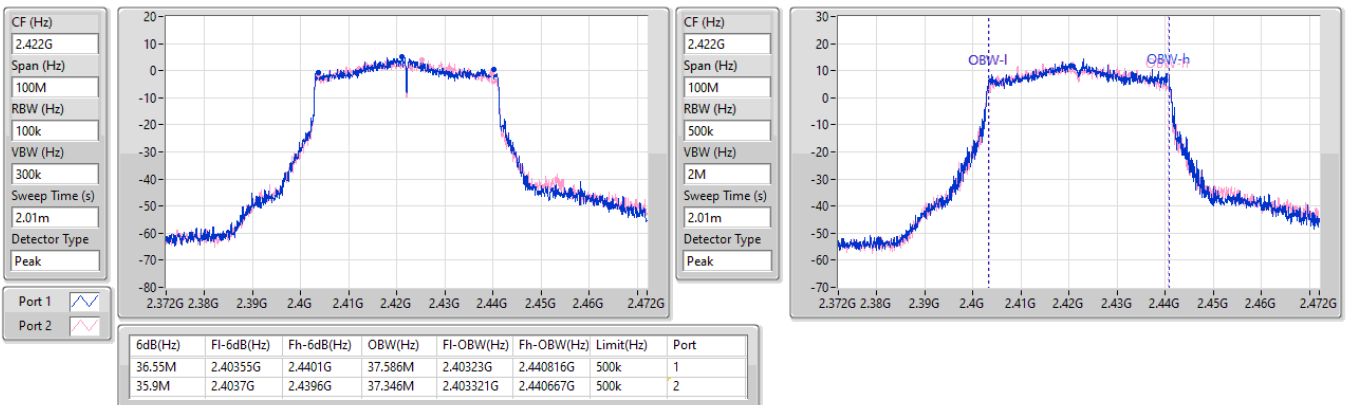


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

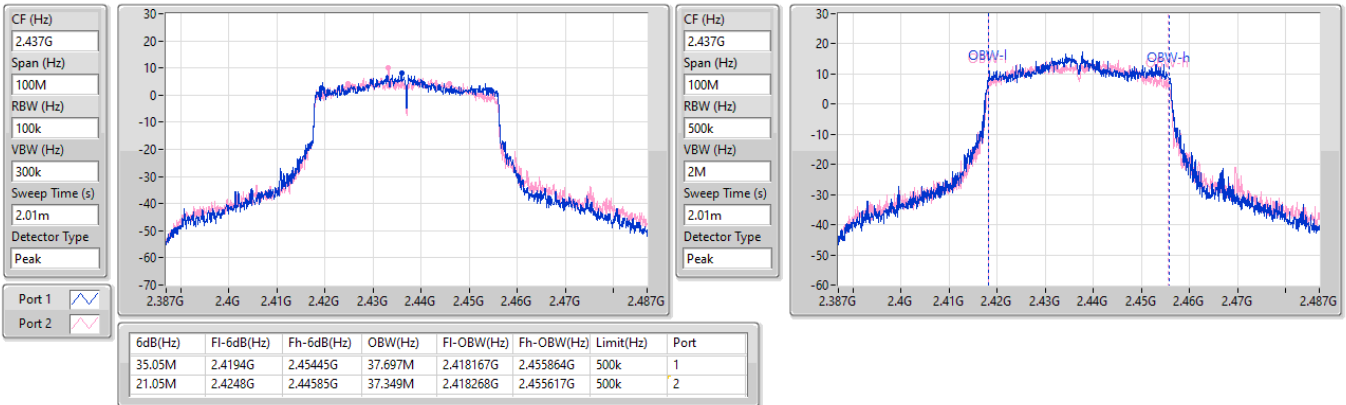
2422MHz

22/10/2024

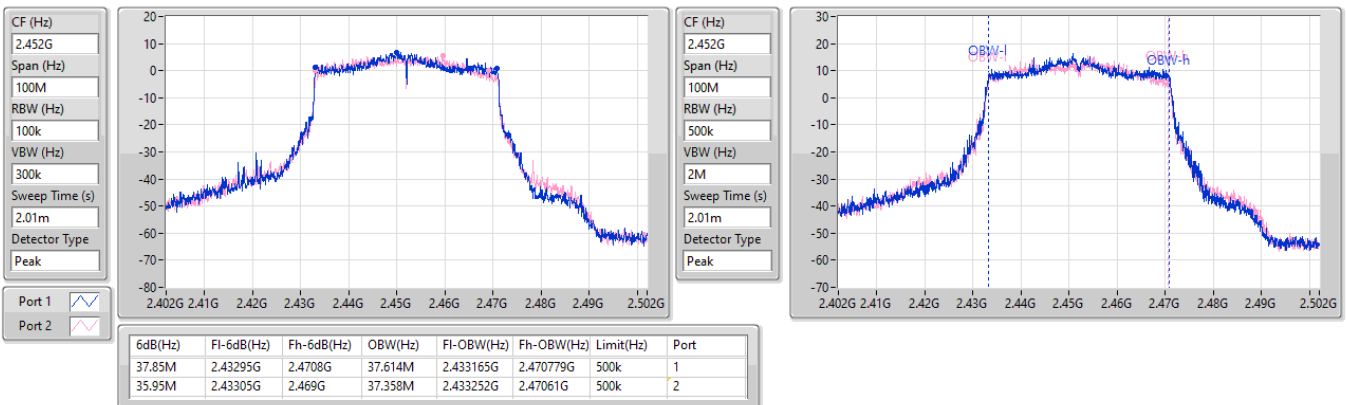


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
2437MHz

22/10/2024


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
2452MHz

22/10/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.21	0.33189
802.11g_Nss1,(6Mbps)_2TX	27.18	0.52240
802.11be EHT20_Nss1,(MCS0)_2TX	28.19	0.65917
802.11be EHT20-BF_Nss1,(MCS0)_2TX	27.65	0.58210
802.11be EHT40_Nss1,(MCS0)_2TX	26.19	0.41591
802.11be EHT40-BF_Nss1,(MCS0)_2TX	26.19	0.41591

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.31	22.23	22.16	25.21	30.00
2437MHz	Pass	5.31	18.86	18.72	21.80	30.00
2462MHz	Pass	5.31	17.07	17.14	20.12	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.31	23.24	23.17	26.22	30.00
2437MHz	Pass	5.31	24.15	24.19	27.18	30.00
2462MHz	Pass	5.31	21.17	21.28	24.24	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.31	22.89	23.42	26.17	30.00
2437MHz	Pass	5.31	25.38	24.97	28.19	30.00
2462MHz	Pass	5.31	21.95	22.52	25.25	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.31	20.98	20.71	23.86	30.00
2437MHz	Pass	5.31	23.04	23.32	26.19	30.00
2452MHz	Pass	5.31	22.86	22.43	25.66	30.00
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.29	22.89	23.42	26.17	27.71
2437MHz	Pass	8.29	24.85	24.42	27.65	27.71
2462MHz	Pass	8.29	21.95	22.52	25.25	27.71
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.29	20.98	20.71	23.86	27.71
2437MHz	Pass	8.29	23.04	23.32	26.19	27.71
2452MHz	Pass	8.29	22.86	22.43	25.66	27.71

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	1.32
802.11g_Nss1,(6Mbps)_2TX	0.93
802.11be EHT20_Nss1,(MCS0)_2TX	2.47
802.11be EHT40_Nss1,(MCS0)_2TX	-2.53

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	8.29	-1.43	-1.46	1.32	5.71
2437MHz	Pass	8.29	-4.91	-6.05	-2.43	5.71
2462MHz	Pass	8.29	-6.46	-7.23	-3.99	5.71
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.29	-2.42	-2.44	-0.71	5.71
2437MHz	Pass	8.29	-1.31	-0.54	0.93	5.71
2462MHz	Pass	8.29	-4.46	-5.49	-2.77	5.71
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.29	-0.90	-3.18	-0.07	5.71
2437MHz	Pass	8.29	1.41	-0.79	2.47	5.71
2462MHz	Pass	8.29	-2.67	-1.57	-0.41	5.71
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.29	-6.45	-7.33	-4.20	5.71
2437MHz	Pass	8.29	-4.50	-5.24	-2.53	5.71
2452MHz	Pass	8.29	-4.21	-6.11	-3.13	5.71

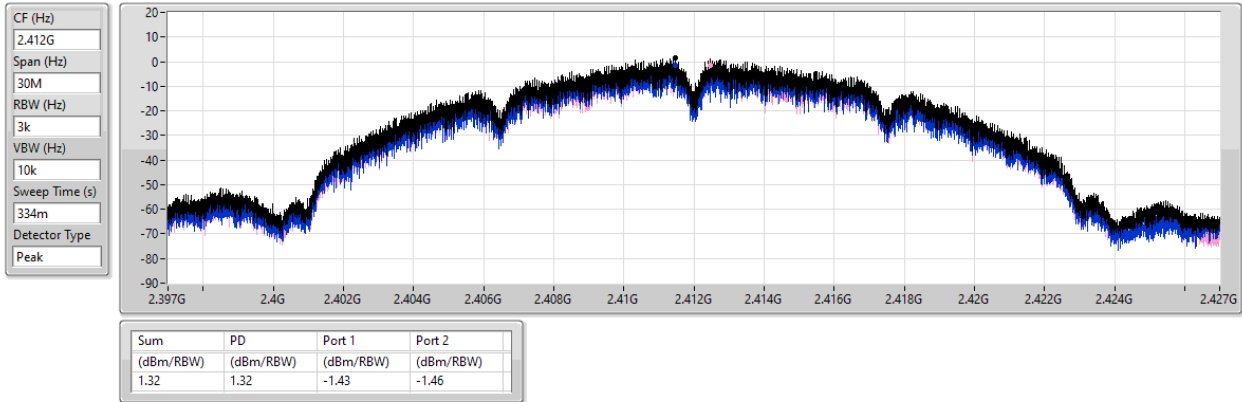
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

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

PSD

2412MHz

21/10/2024

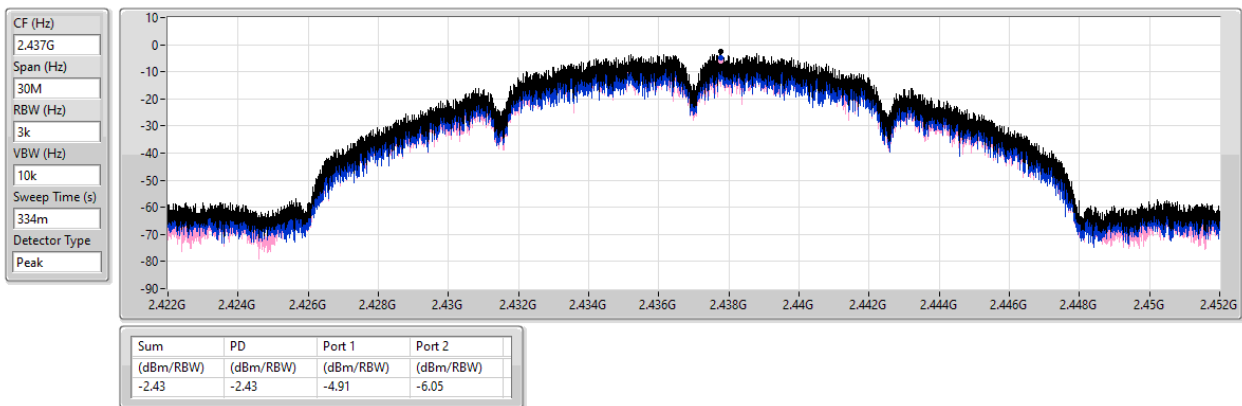


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

21/10/2024

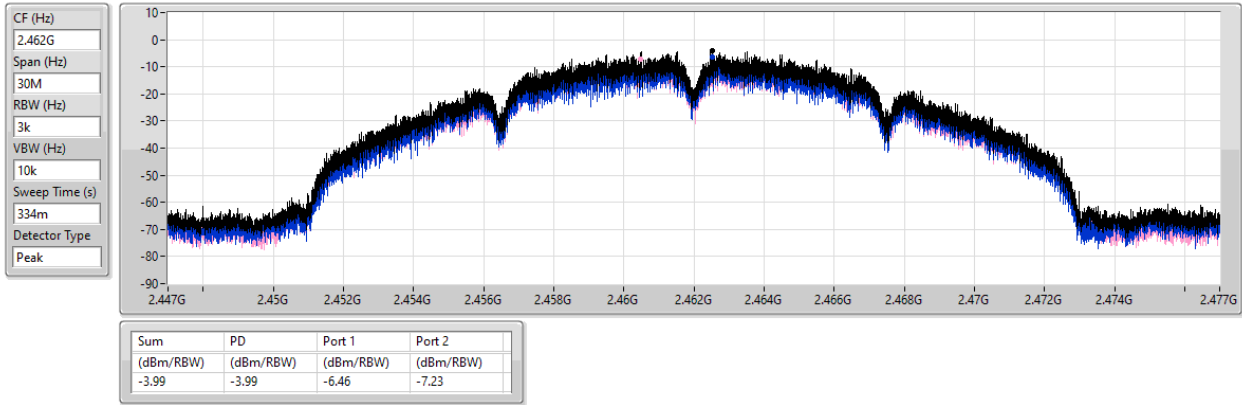


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

21/10/2024

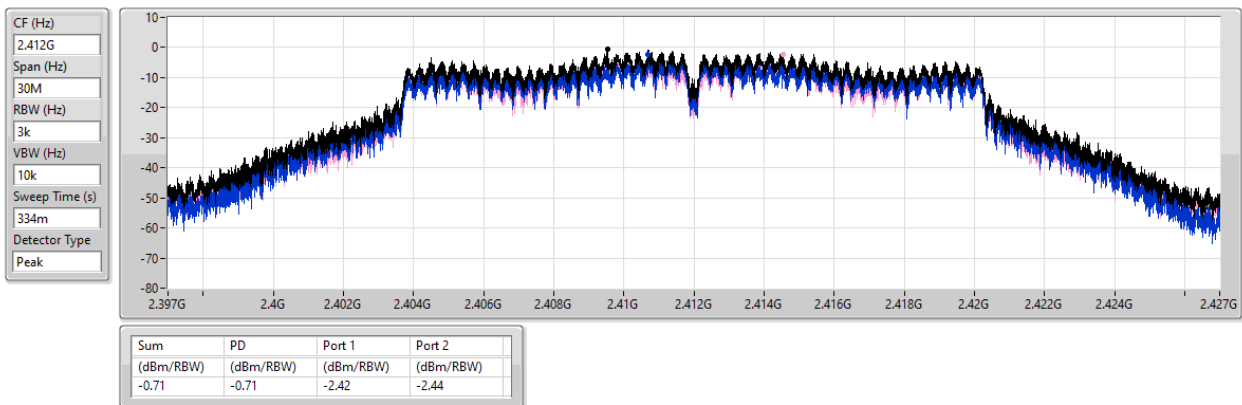


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

21/10/2024

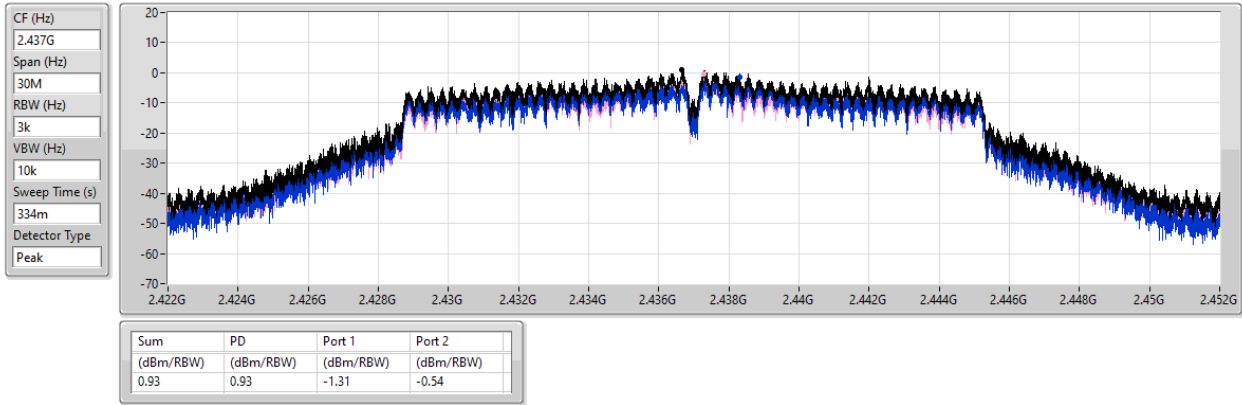


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

21/10/2024

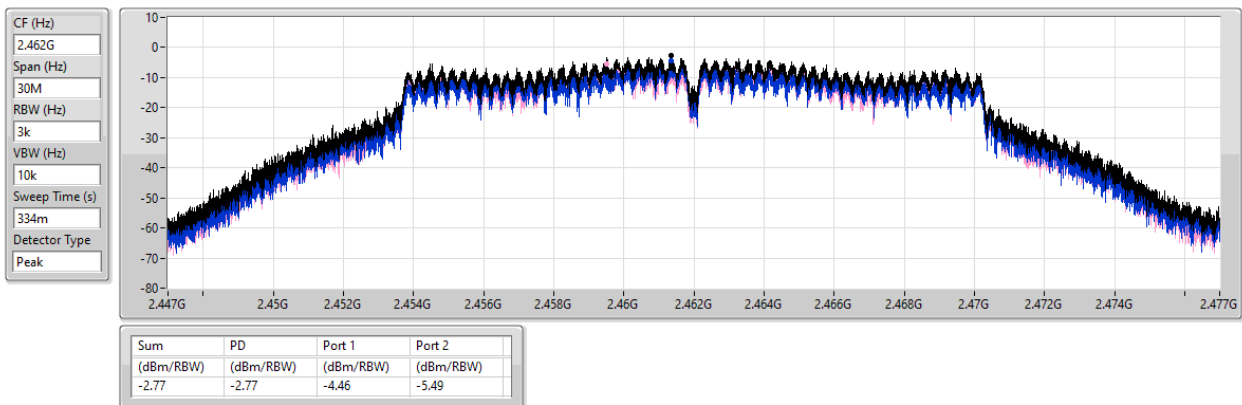


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

21/10/2024

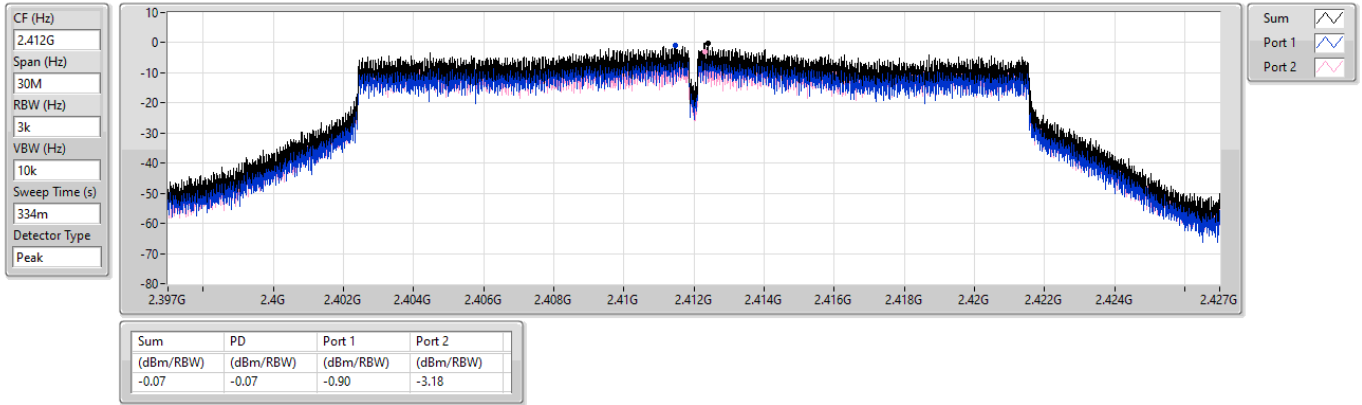


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

2412MHz

21/10/2024

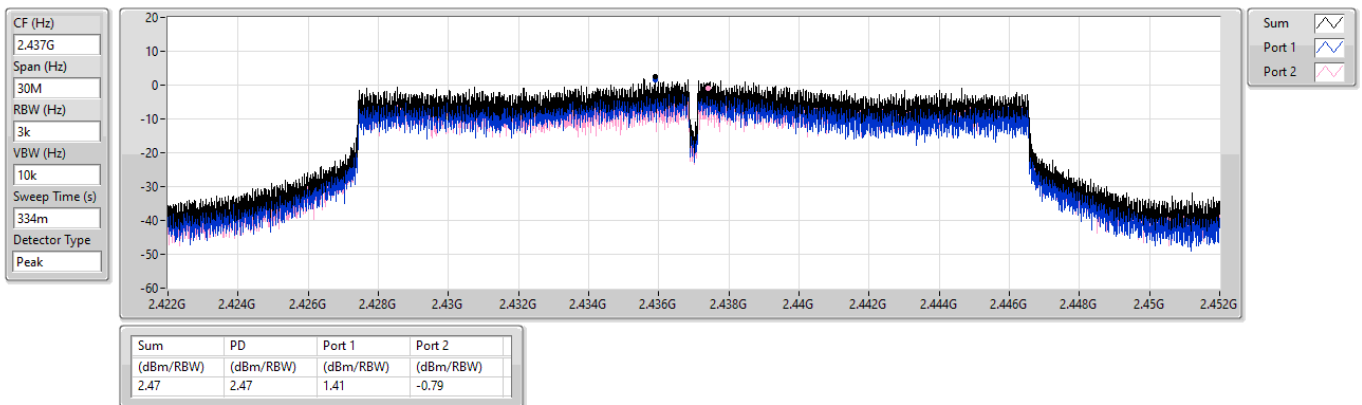


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

2437MHz

21/10/2024

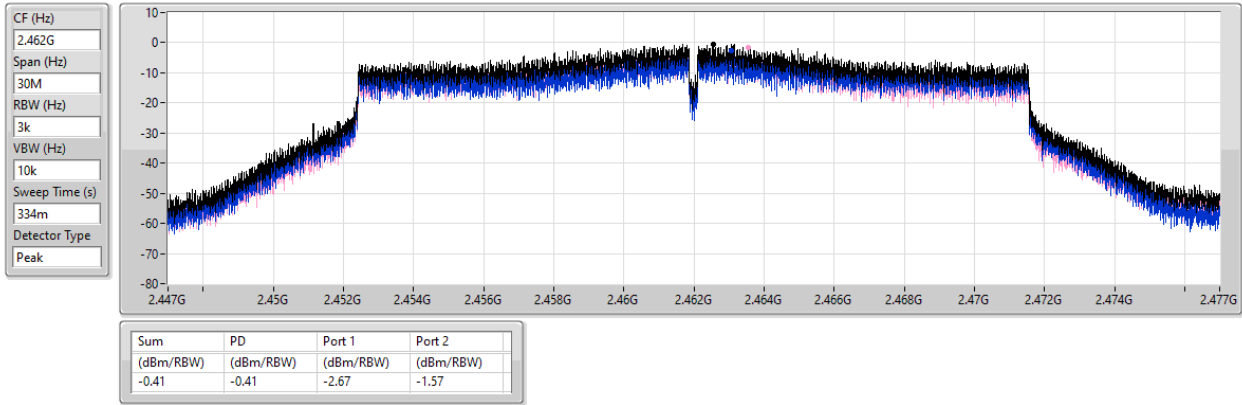


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

2462MHz

22/10/2024

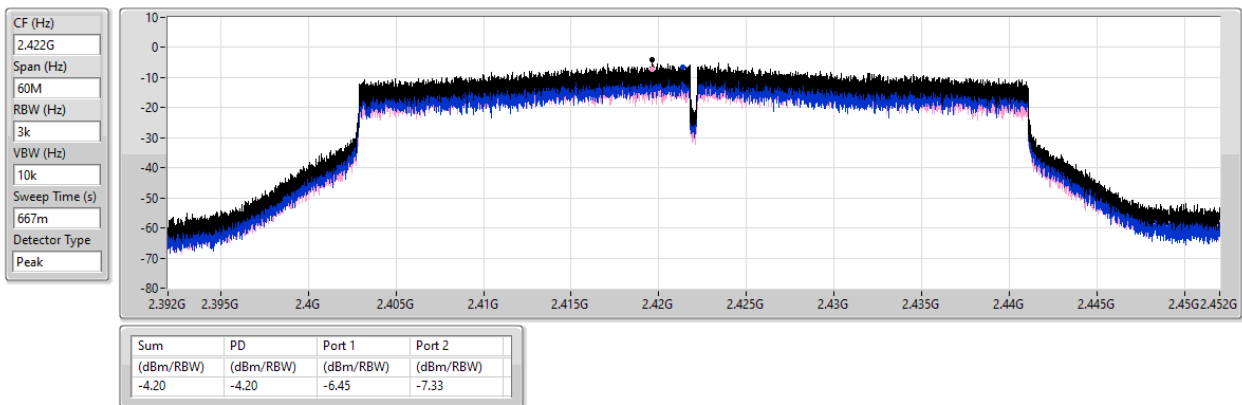


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

2422MHz

22/10/2024

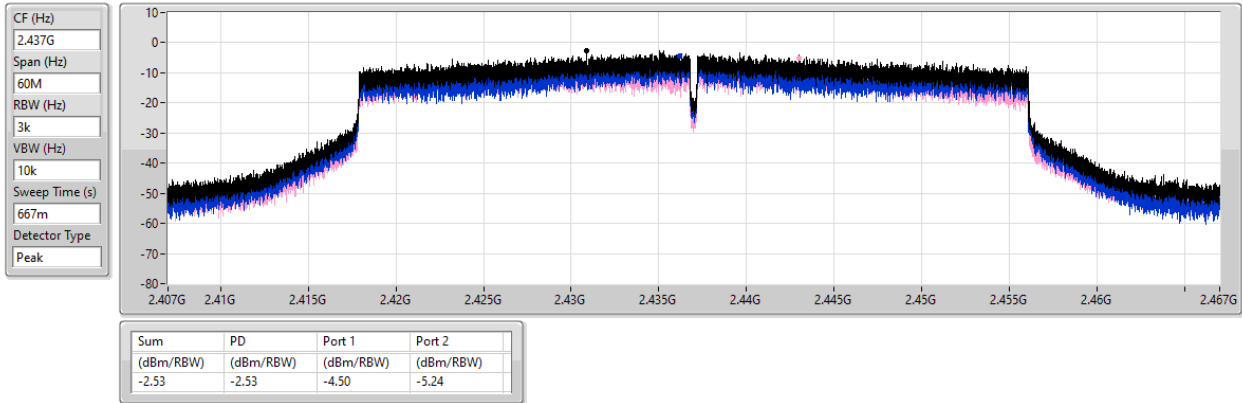


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

2437MHz

22/10/2024

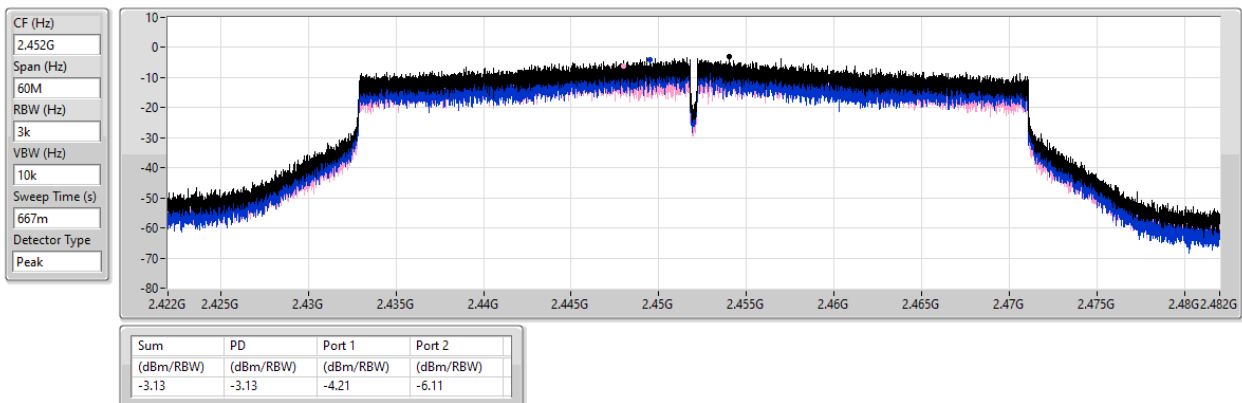


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

2452MHz

22/10/2024





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	2.41136G	14.90	-15.10	2.00468G	-53.76	2.39856G	-38.20	2.4G	-40.26	2.50158G	-50.40	21.66786G	-43.97	2
802.11g_Nss1.(6Mbps)_2TX	Pass	2.43824G	15.17	-14.83	68.45M	-54.36	2.39992G	-19.98	2.4G	-18.07	2.50654G	-51.17	21.53019G	-43.26	2
802.11be EHT20_Nss1.(MCS0)_2TX	Pass	2.43574G	16.42	-13.58	1.79381G	-53.87	2.39944G	-20.40	2.4G	-21.49	2.51878G	-51.57	21.5611G	-44.28	2
802.11be EHT40_Nss1.(MCS0)_2TX	Pass	2.4344G	12.84	-17.16	1.63186G	-53.18	2.39984G	-26.13	2.4G	-25.00	2.51646G	-54.09	21.49991G	-43.66	2

Result

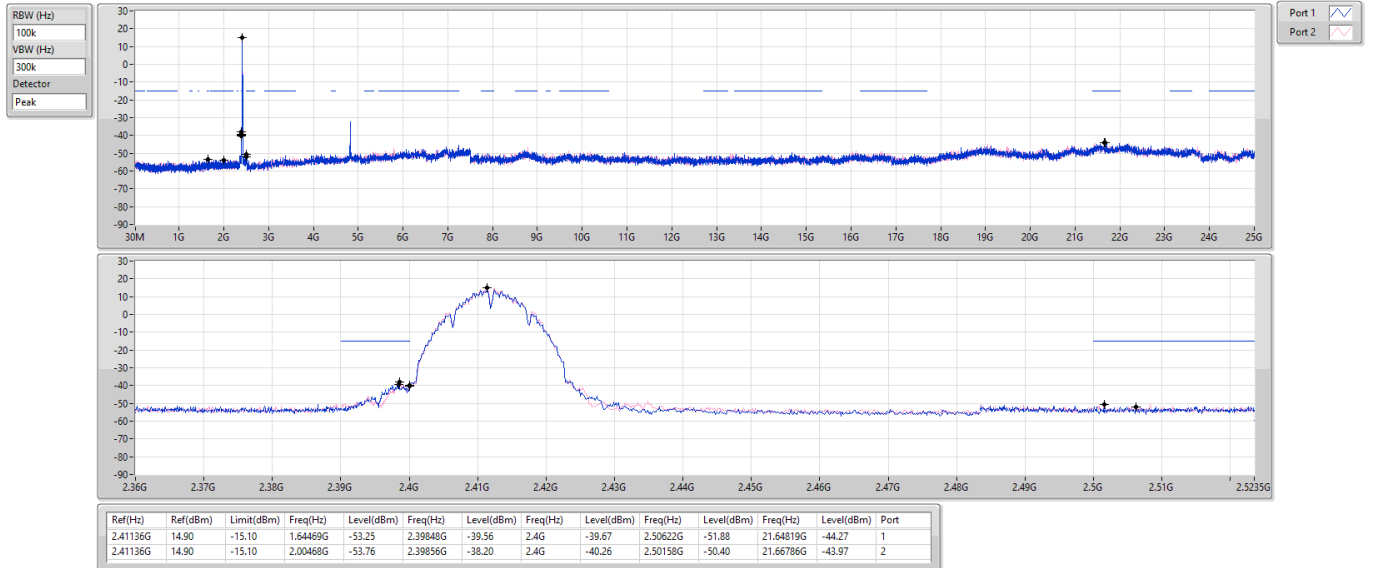
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1.(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41136G	14.90	-15.10	1.64469G	-53.25	2.39848G	-39.56	2.4G	-39.67	2.50622G	-51.88	21.64819G	-44.27	1
2412MHz	Pass	2.41136G	14.90	-15.10	2.00468G	-53.76	2.39856G	-38.20	2.4G	-40.26	2.50158G	-50.40	21.66786G	-43.97	2
2437MHz	Pass	2.41136G	14.90	-15.10	2.16778G	-53.35	2.3948G	-52.59	2.4G	-55.52	2.5071G	-51.44	21.61167G	-43.62	1
2437MHz	Pass	2.41136G	14.90	-15.10	1.7577G	-52.85	2.39648G	-51.79	2.4G	-55.50	2.50334G	-51.20	21.53581G	-44.60	2
2462MHz	Pass	2.41136G	14.90	-15.10	1.90332G	-53.19	2.39936G	-51.05	2.4G	-55.19	2.51998G	-51.19	21.54986G	-44.56	1
2462MHz	Pass	2.41136G	14.90	-15.10	2.19457G	-53.58	2.3952G	-51.18	2.4G	-55.59	2.51846G	-51.09	21.49086G	-44.25	2
802.11g_Nss1.(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	15.17	-14.83	35.83M	-53.59	2.4G	-20.47	2.4G	-20.73	2.51214G	-50.22	21.54705G	-44.21	1
2412MHz	Pass	2.43824G	15.17	-14.83	68.45M	-54.36	2.39992G	-19.98	2.4G	-18.07	2.50654G	-51.17	21.53019G	-43.26	2
2437MHz	Pass	2.43824G	15.17	-14.83	87.09M	-53.80	2.39992G	-42.36	2.4G	-42.39	2.51886G	-51.12	21.57233G	-44.61	1
2437MHz	Pass	2.43824G	15.17	-14.83	2.06875G	-53.82	2.39824G	-42.75	2.4G	-44.05	2.52014G	-51.88	21.61448G	-44.32	2
2462MHz	Pass	2.43824G	15.17	-14.83	2.127G	-53.77	2.39752G	-49.99	2.4G	-53.80	2.51606G	-51.71	21.49086G	-45.04	1
2462MHz	Pass	2.43824G	15.17	-14.83	52.14M	-53.58	2.4G	-49.59	2.4G	-50.77	2.52134G	-51.17	21.50771G	-44.37	2
802.11be EHT20_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	16.42	-13.58	2.12001G	-53.63	2.3996G	-21.42	2.4G	-21.39	2.5163G	-51.20	21.51333G	-44.50	1
2412MHz	Pass	2.43574G	16.42	-13.58	1.79381G	-53.87	2.39944G	-20.40	2.4G	-21.49	2.51878G	-51.57	21.5611G	-44.28	2
2437MHz	Pass	2.43574G	16.42	-13.58	1.85905G	-53.35	2.39824G	-30.69	2.4G	-35.04	2.52206G	-51.44	21.592G	-44.07	1
2437MHz	Pass	2.43574G	16.42	-13.58	2.00468G	-53.83	2.39528G	-34.21	2.4G	-34.46	2.50182G	-51.20	21.53019G	-44.03	2
2462MHz	Pass	2.43574G	16.42	-13.58	52.14M	-53.43	2.39768G	-49.58	2.4G	-52.64	2.50942G	-50.83	21.44309G	-44.33	1
2462MHz	Pass	2.43574G	16.42	-13.58	57.96M	-53.03	2.394G	-49.35	2.4G	-52.16	2.50934G	-51.38	21.50771G	-44.70	2
802.11be EHT40_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	12.84	-17.16	347.17M	-53.17	2.39952G	-25.79	2.4G	-25.68	2.55038G	-53.11	21.44381G	-43.85	1
2422MHz	Pass	2.4344G	12.84	-17.16	1.63186G	-53.18	2.39984G	-26.13	2.4G	-25.00	2.51646G	-54.09	21.49991G	-43.66	2
2437MHz	Pass	2.4344G	12.84	-17.16	1.91811G	-53.88	2.39904G	-37.66	2.4G	-37.73	2.50398G	-53.93	21.54197G	-43.97	1
2437MHz	Pass	2.4344G	12.84	-17.16	49.47M	-53.30	2.39824G	-33.29	2.4G	-38.02	2.5547G	-53.72	21.56161G	-44.81	2
2452MHz	Pass	2.4344G	12.84	-17.16	2.30168G	-53.99	2.39984G	-46.41	2.4G	-46.73	2.52286G	-53.92	21.53356G	-44.63	1
2452MHz	Pass	2.4344G	12.84	-17.16	1.63186G	-53.24	2.39456G	-41.32	2.4G	-47.54	2.53006G	-52.79	21.6822G	-43.96	2

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

CSEndB

2412MHz

21/10/2024

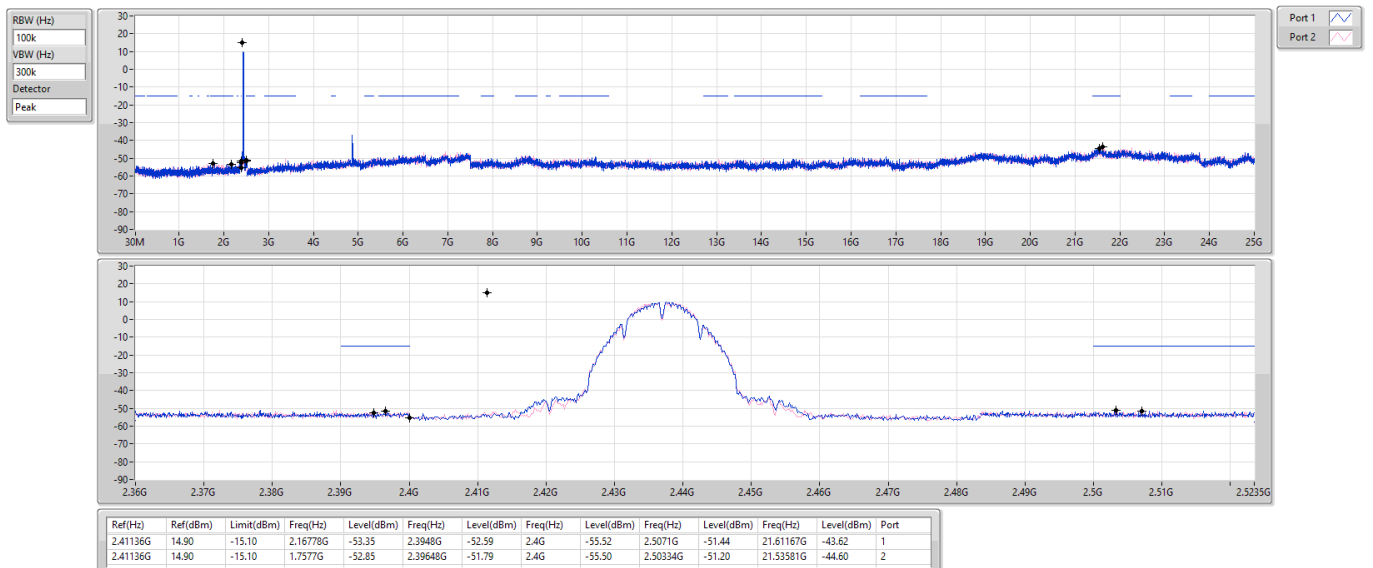


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

CSEndB

2437MHz

21/10/2024

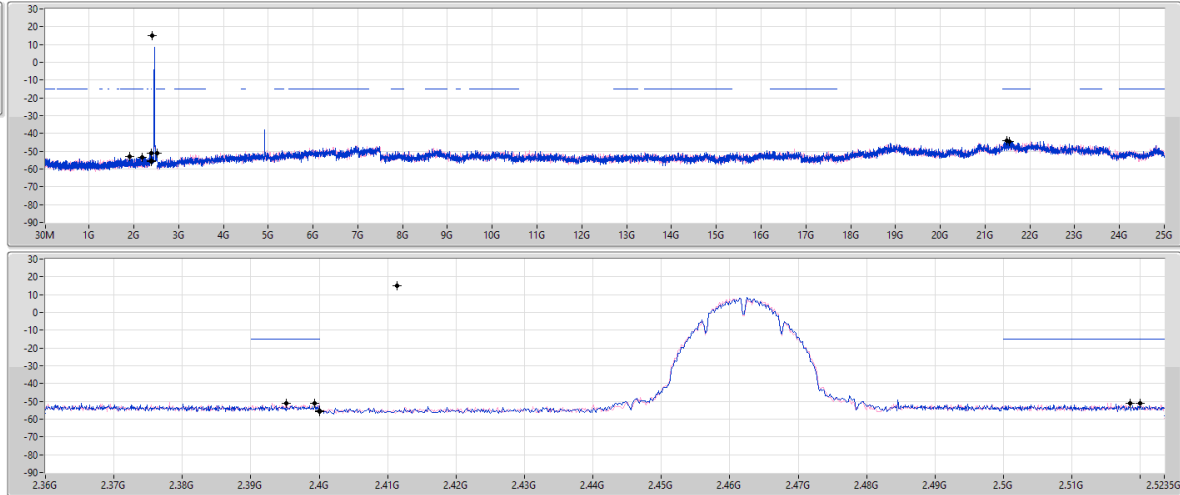


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

CSEndB

2462MHz

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

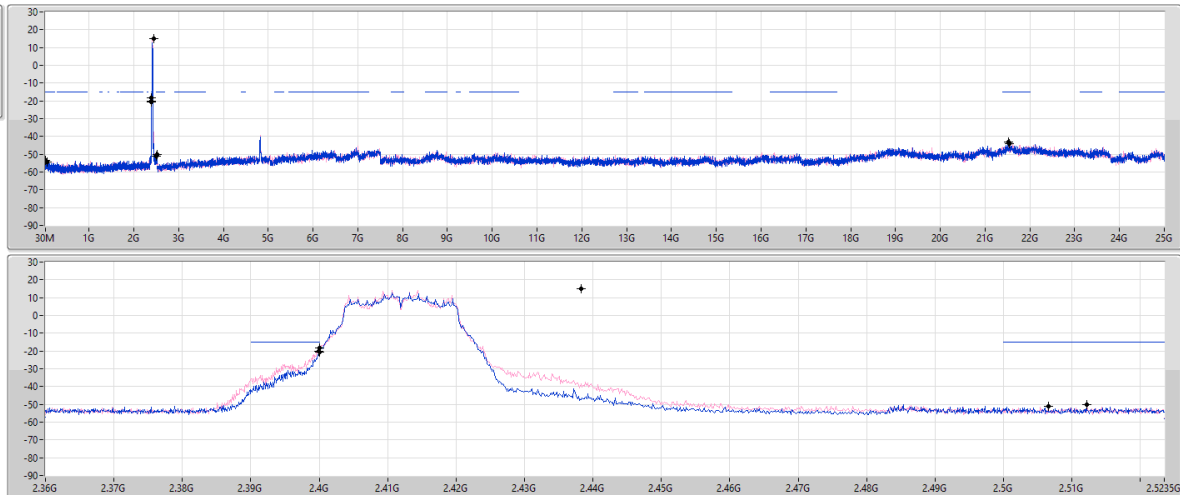


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSEndB

2412MHz

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



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

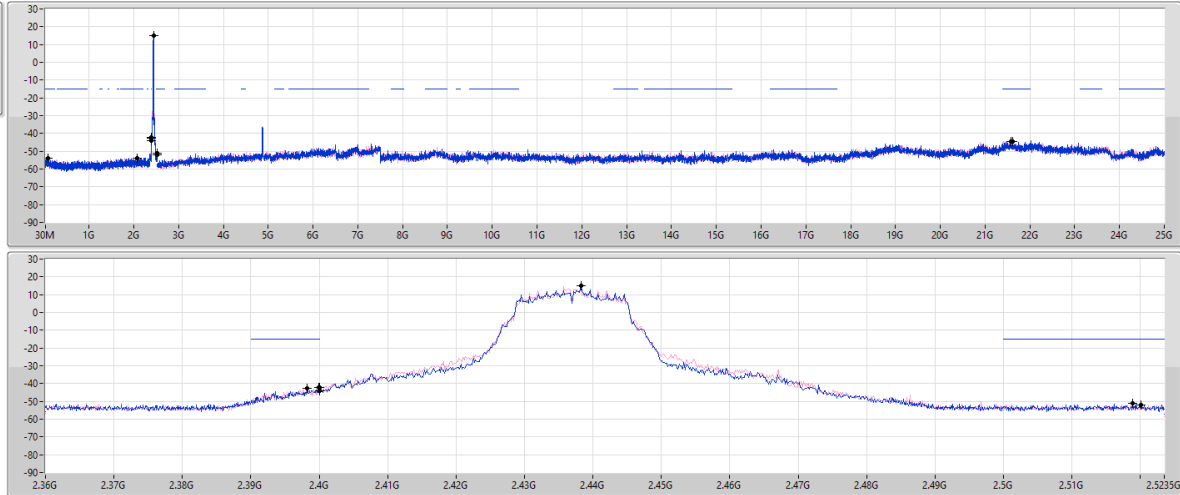
CSEndB

2437MHz

21/10/2024

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
2.43824G	15.17	-14.83	87.09M	-53.80	2.39992G	-42.36	2.4G	-42.39	2.51886G	-51.12	21.57233G	-44.61	1
2.43824G	15.17	-14.83	2.06875G	-53.82	2.39824G	-42.75	2.4G	-44.05	2.52014G	-51.88	21.61448G	-44.32	2

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

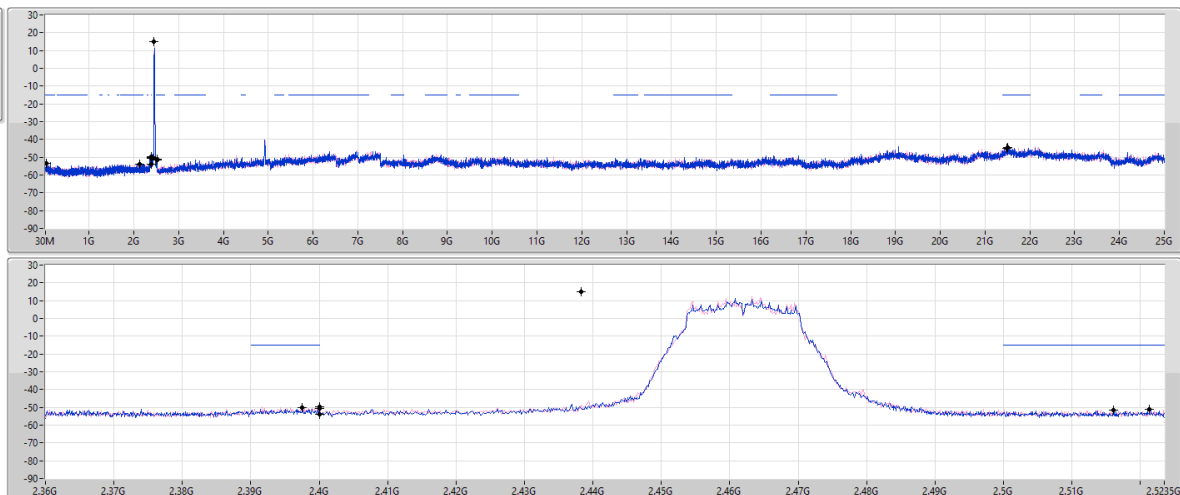
CSEndB

2462MHz

21/10/2024

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

Port 1
Port 2



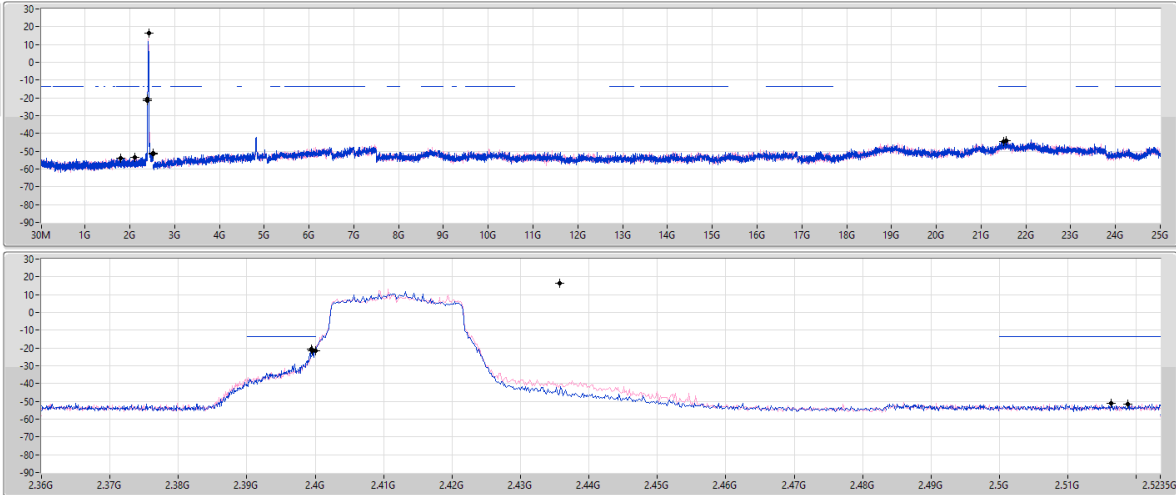
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	15.17	-14.83	2.127G	-53.77	2.39752G	-49.99	2.4G	-49.99	2.51606G	-51.71	21.49086G	-45.04	1
2.43824G	15.17	-14.83	52.14M	-53.58	2.4G	-49.59	2.4G	-50.77	2.52134G	-51.17	21.50771G	-44.37	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

CSEndB

2412MHz

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



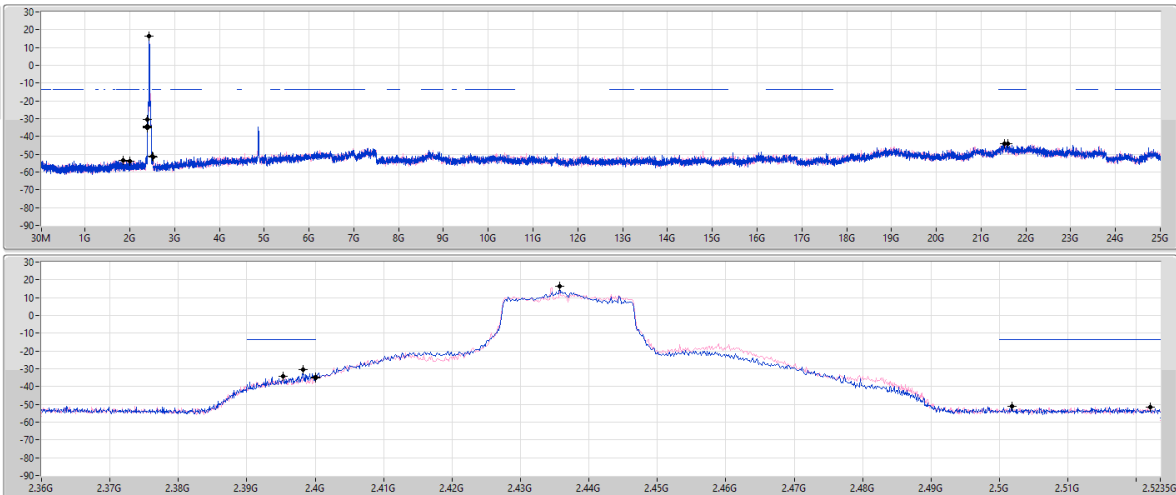
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	16.42	-13.58	2.12001G	-53.63	2.3996G	-21.42	2.4G	-21.39	2.5163G	-51.20	2.51333G	-44.50	1
2.43574G	16.42	-13.58	1.79381G	-53.87	2.39944G	-20.40	2.4G	-21.49	2.51878G	-51.57	2.51611G	-44.28	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

CSEndB

2437MHz

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



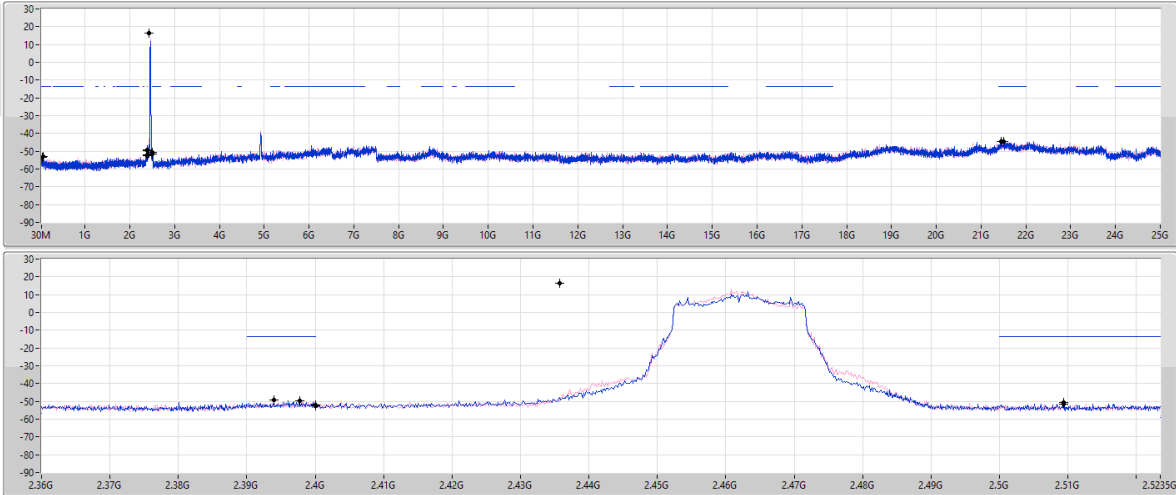
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2.43574G	16.42	-13.58	1.85905G	-53.35	2.39824G	-30.69	2.4G	-35.04	2.52206G	-51.44	2.5192G	-44.07	1
2.43574G	16.42	-13.58	2.00468G	-53.83	2.39528G	-34.21	2.4G	-34.46	2.50182G	-51.20	2.513019G	-44.03	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

CSEndB

2462MHz

22/10/2024

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

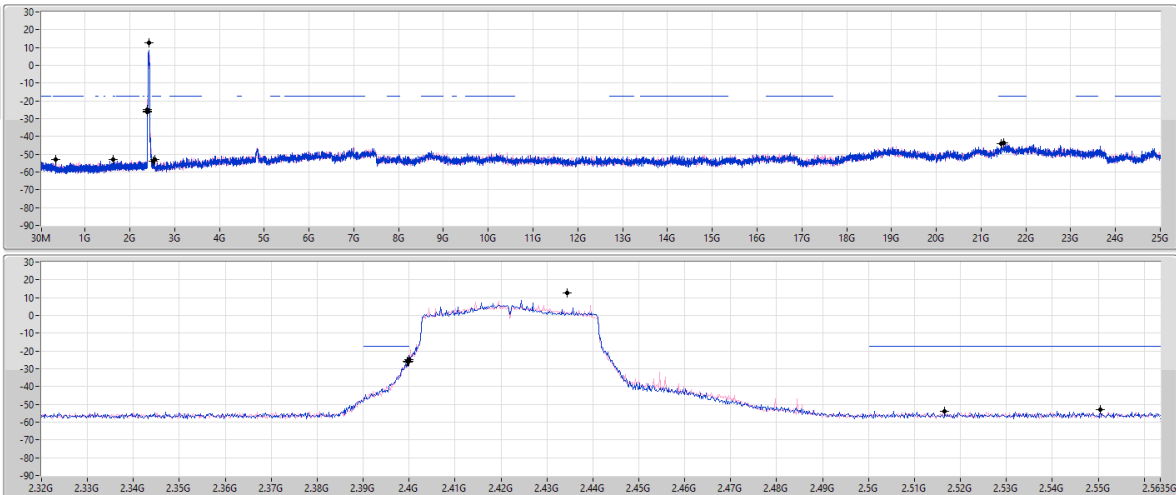
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2.43574G	16.42	-13.58	52.14M	-53.43	2.39768G	-49.58	2.4G	-52.64	2.50942G	-50.83	21.44309G	-44.33	1
2.43574G	16.42	-13.58	57.96M	-53.03	2.394G	-49.35	2.4G	-52.16	2.50934G	-51.38	21.50771G	-44.70	2

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

CSEndB

2422MHz

22/10/2024

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

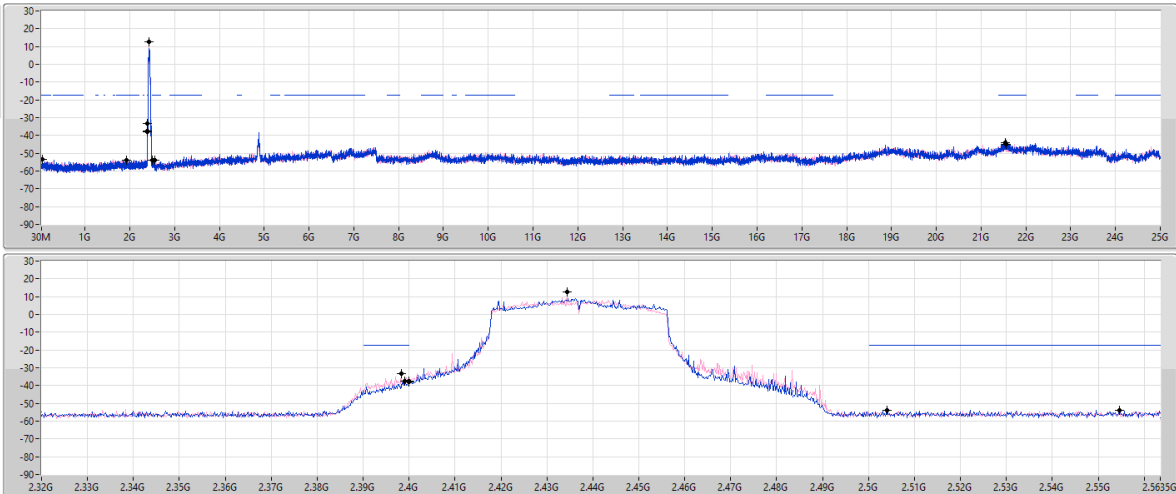
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4344G	12.84	-17.16	347.17M	-53.17	2.39952G	-25.79	2.4G	-25.68	2.55038G	-53.11	21.44381G	-43.85	1
2.4344G	12.84	-17.16	1.63186G	-53.18	2.39984G	-26.13	2.4G	-25.00	2.51646G	-54.09	21.49991G	-43.66	2

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

CSEndB

2437MHz

22/10/2024

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

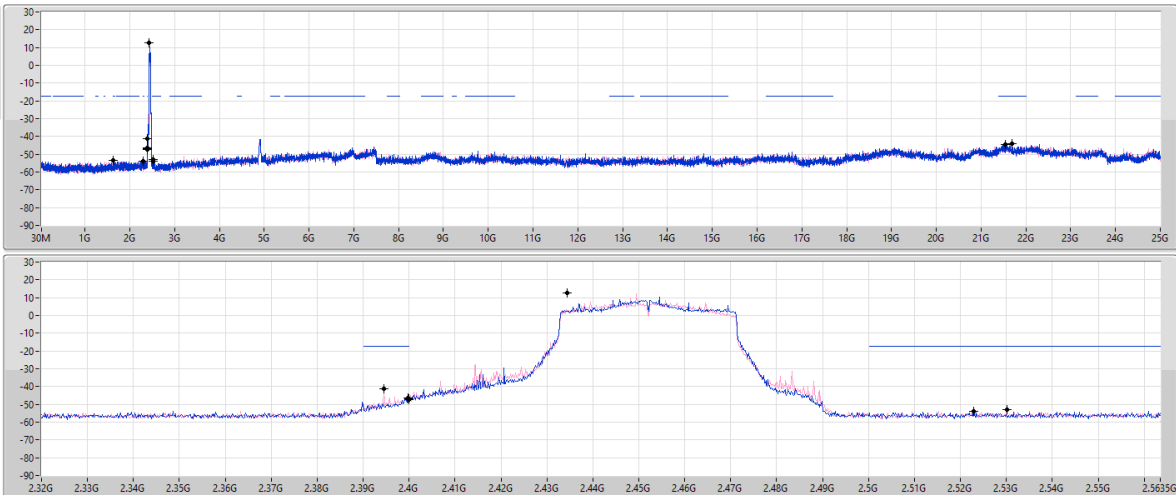
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4344G	12.84	-17.16	1.91811G	-53.88	2.39904G	-37.66	2.4G	-37.73	2.50398G	-53.93	21.54197G	-43.97	1
2.4344G	12.84	-17.16	49.47M	-53.30	2.39824G	-33.29	2.4G	-38.02	2.5547G	-53.72	21.56161G	-44.81	2

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

CSEndB

2452MHz

22/10/2024

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
2.4344G	12.84	-17.16	2.30168G	-53.99	2.39984G	-46.41	2.4G	-46.73	2.52286G	-53.92	21.53356G	-44.63	1
2.4344G	12.84	-17.16	1.63186G	-53.24	2.39456G	-41.32	2.4G	-47.54	2.53006G	-52.79	21.6822G	-43.96	2



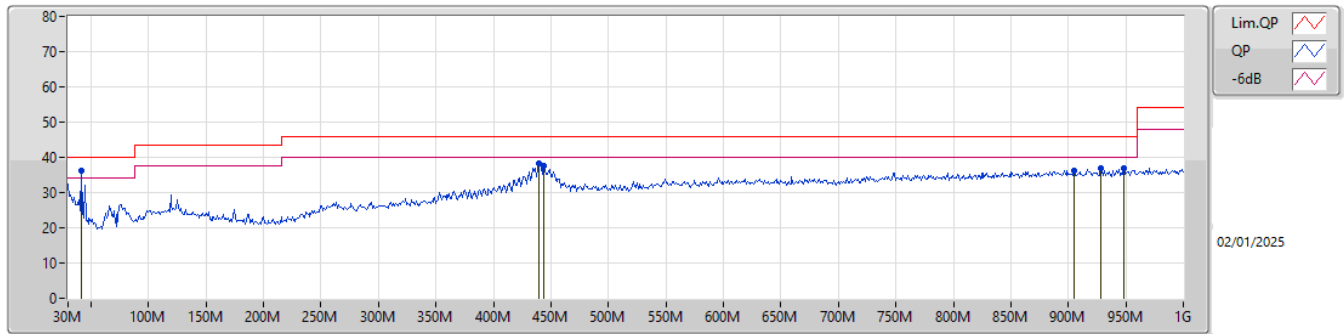
Radiated Emissions below 1GHz

Appendix F.1

Summary

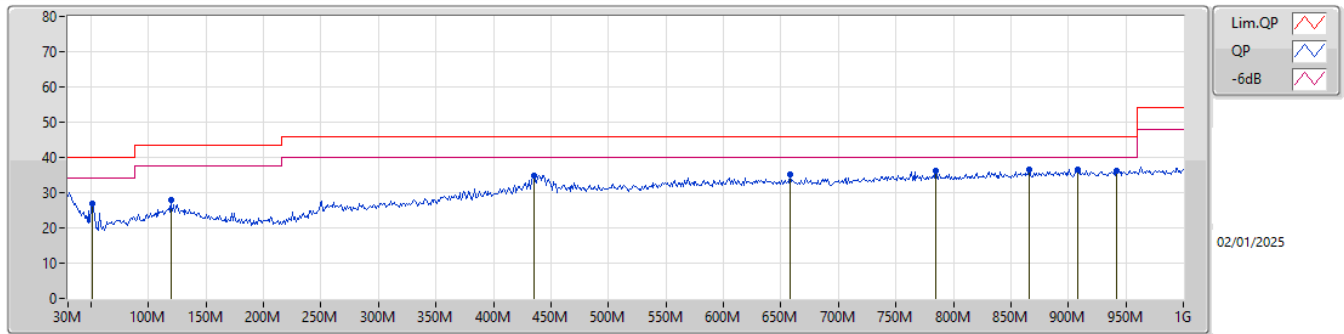
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 5	Pass	PK	41.64M	36.15	40.00	-3.85	Vertical

Mode 5



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	41.64M	36.15	40.00	-3.85	-25.15	3	Vertical	271	1.50	"Worst"	61.30	17.99	1.22	44.36		
PK	439.34M	38.37	46.00	-7.63	-16.79	3	Vertical	115	1.25	-	55.16	22.52	4.55	43.86		
PK	444.19M	37.70	46.00	-8.30	-16.70	3	Vertical	92	1.50	-	54.40	22.60	4.55	43.85		
PK	904.94M	36.33	46.00	-9.67	-10.44	3	Vertical	117	2.00	-	46.77	26.48	6.48	43.40		
PK	928.22M	36.77	46.00	-9.23	-10.40	3	Vertical	80	2.00	-	47.17	26.48	6.54	43.42		
PK	948.59M	36.80	46.00	-9.20	-10.10	3	Vertical	47	1.25	-	46.90	26.76	6.59	43.45		

Mode 5



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	51.34M	26.74	40.00	-13.26	-29.21	3	Horizontal	153	1.50	-	55.95	13.77	1.49	44.47		
PK	119.24M	28.02	43.50	-15.48	-24.02	3	Horizontal	202	1.50	-	52.04	18.17	2.28	44.47		
PK	435.46M	34.66	46.00	-11.34	-16.84	3	Horizontal	0	1.25	-	51.50	22.48	4.55	43.87		
PK	657.59M	35.33	46.00	-10.67	-13.39	3	Horizontal	59	2.00	-	48.72	24.94	5.29	43.62		
PK	784.66M	36.21	46.00	-9.79	-11.64	3	Horizontal	135	2.00	-	47.85	25.80	5.94	43.38		
PK	866.14M	36.38	46.00	-9.62	-10.63	3	Horizontal	160	1.50	-	47.01	26.44	6.31	43.38		
PK	907.85M	36.48	46.00	-9.52	-10.35	3	Horizontal	286	2.00	"Worst"	46.83	26.56	6.49	43.40		
PK	941.8M	36.35	46.00	-9.65	-10.31	3	Horizontal	4	3.00	-	46.66	26.56	6.57	43.44		

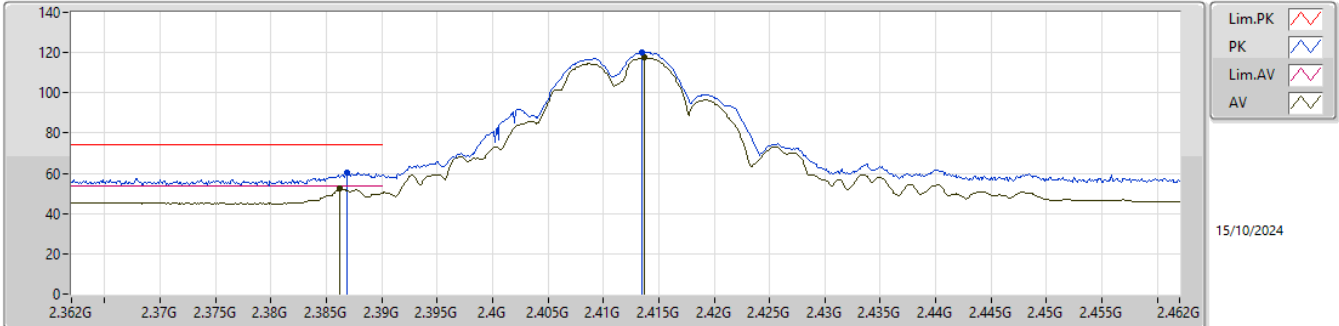


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	4.87304G	53.97	54.00	-0.03	3	Vertical	357	2.88	24.5

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

2412MHz_TX

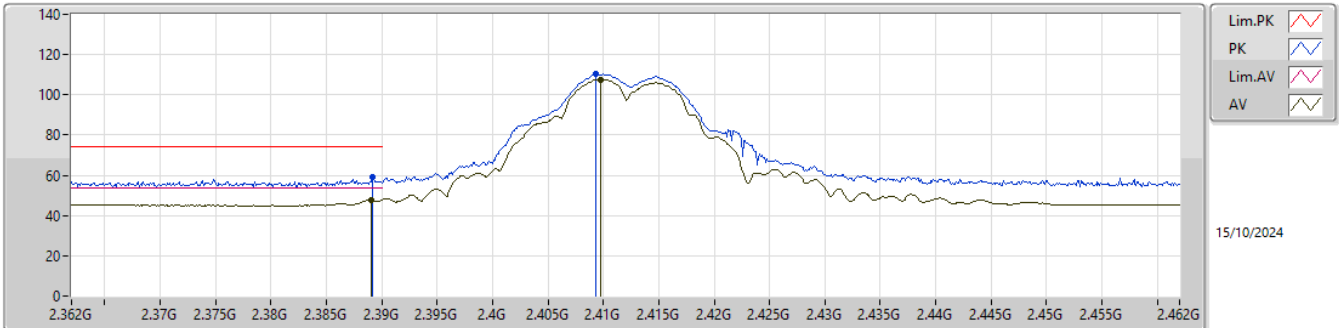


EUT_Z_2TX
SET 26.5
17\25\28\26.5\27.25\27\26.5
8.82\6.09\14.12\2.29\2.41\2.17\1.66

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3869G	60.49	74.00	-13.51	28.27	3	Vertical	106	2.78	26.75	27.60	4.62	-			
AV	2.3862G	52.34	54.00	-1.66	20.12	3	Vertical	106	2.78	26.75	27.60	4.62	-			
PK	2.4135G	120.05	Inf	-Inf	87.83	3	Vertical	106	2.78	26.75	27.57	4.65	-			
AV	2.4137G	117.76	Inf	-Inf	85.55	3	Vertical	106	2.78	26.75	27.56	4.65	-			

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

2412MHz_TX

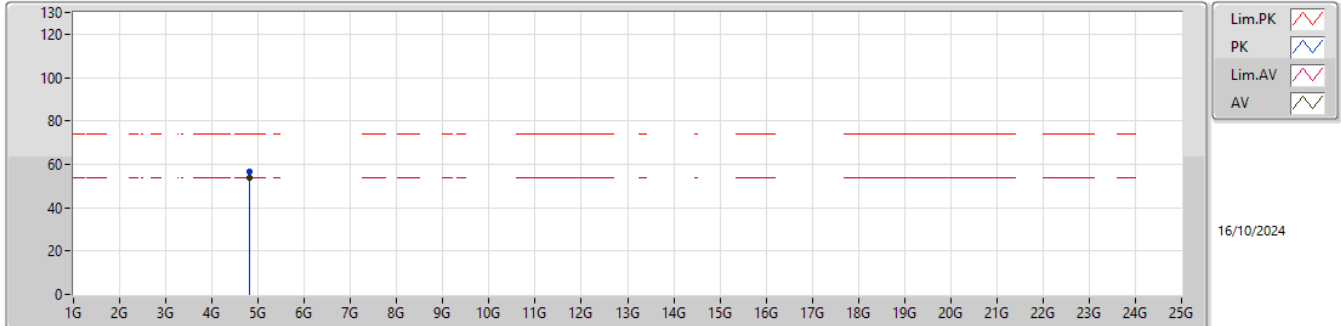


EUT_Z_2TX
SET 26.5
26.5
6.15

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3892G	58.87	74.00	-15.13	26.65	3	Horizontal	344	2.95	26.75	27.60	4.62	-				
AV	2.389G	47.85	54.00	-6.15	15.63	3	Horizontal	344	2.95	26.75	27.60	4.62	-				
PK	2.4093G	110.28	Inf	-Inf	78.03	3	Horizontal	344	2.95	26.75	27.60	4.65	-				
AV	2.4097G	107.62	Inf	-Inf	75.37	3	Horizontal	344	2.95	26.75	27.60	4.65	-				

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

2412MHz_TX

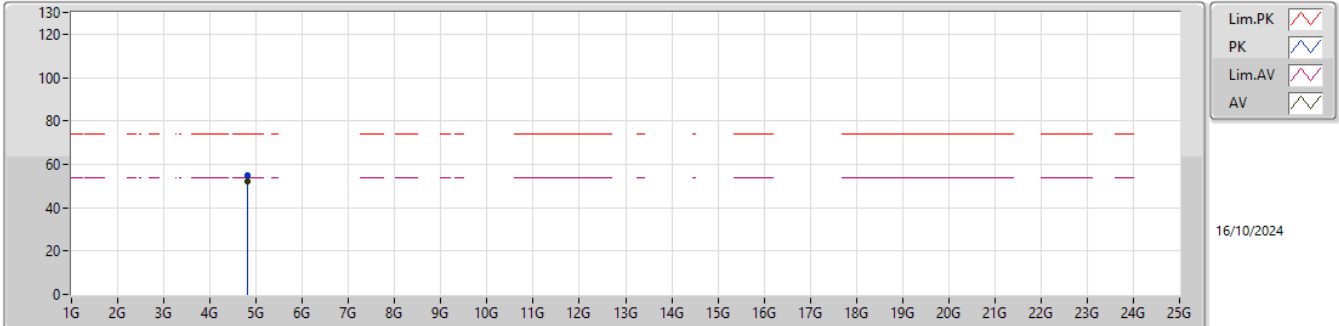


EUT_Z_2TX
SET 22.5
03-W-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.824G	56.86	74.00	-17.14	52.92	3	Vertical	227	2.38	22.5	31.35	6.55	33.96			
AV	4.824G	53.90	54.00	-0.10	49.96	3	Vertical	227	2.38	22.5	31.35	6.55	33.96			

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

2412MHz_TX

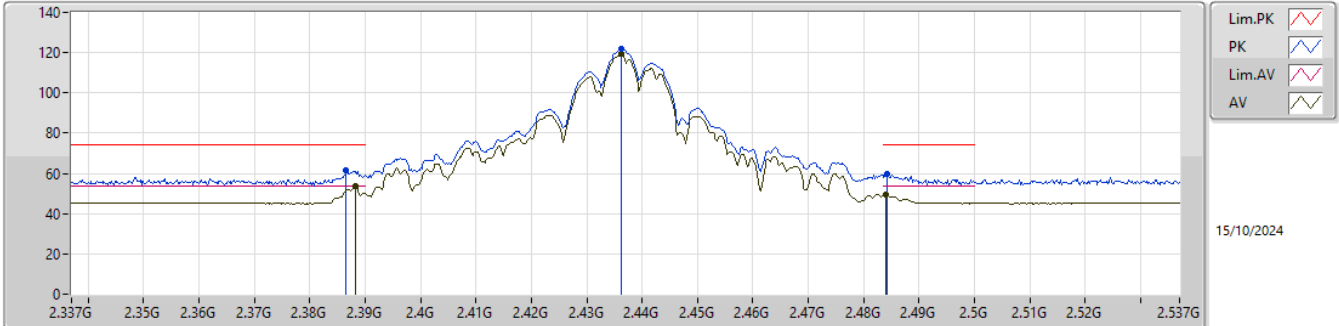


EUT_Z_2TX
SET 22.5
03-W-S-5

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	4.82396G	55.10	74.00	-18.90	51.16	3	Horizontal	82	2.87	22.5	31.35	6.55	33.96			
AV	4.82396G	52.00	54.00	-2.00	48.06	3	Horizontal	82	2.87	22.5	31.35	6.55	33.96			

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

2437MHz_TX

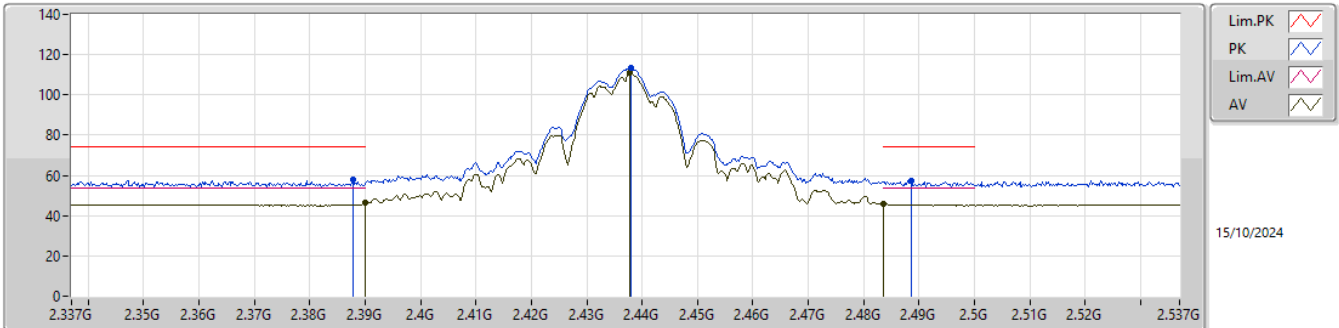


EUT_Z_2TX
SET 28
26.75\28
6.02\0.28

Type	Freq (Hz)	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	61.47	74.00	-12.53	29.25	3	Vertical	103	2.74	28	27.60	4.62	-			
AV	2.3882G	53.72	54.00	-0.28	21.50	3	Vertical	103	2.74	28	27.60	4.62	-			
PK	2.4362G	121.78	Inf	-Inf	89.65	3	Vertical	103	2.74	28	27.44	4.69	-			
AV	2.4362G	119.25	Inf	-Inf	87.12	3	Vertical	103	2.74	28	27.44	4.69	-			
PK	2.4842G	59.88	74.00	-14.12	27.67	3	Vertical	103	2.74	28	27.44	4.77	-			
AV	2.484G	49.65	54.00	-4.35	17.44	3	Vertical	103	2.74	28	27.44	4.77	-			

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

2437MHz_TX

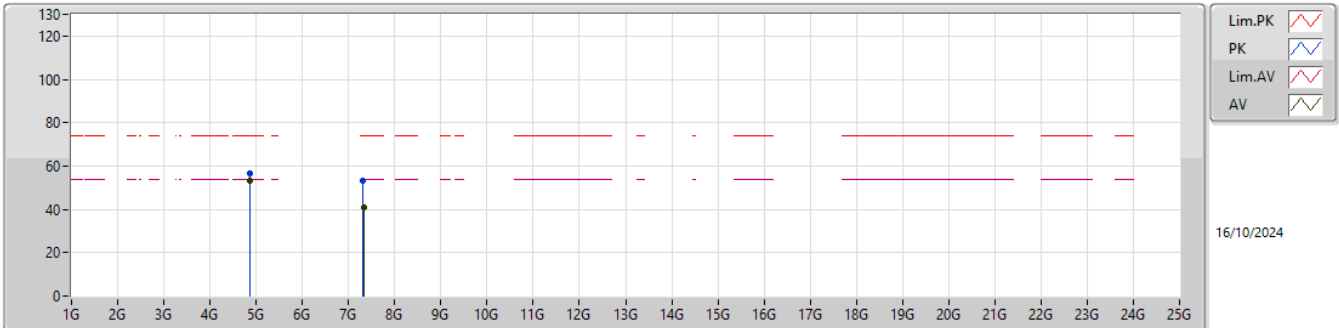


EUT_Z_2TX
SET 28
28
7.64

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3878G	57.68	74.00	-16.32	25.46	3	Horizontal	342	2.92	28	27.60	4.62	-			
AV	2.39G	46.36	54.00	-7.64	14.14	3	Horizontal	342	2.92	28	27.60	4.62	-			
PK	2.438G	113.38	Inf	-Inf	81.27	3	Horizontal	342	2.92	28	27.42	4.69	-			
AV	2.4378G	111.07	Inf	-Inf	78.96	3	Horizontal	342	2.92	28	27.42	4.69	-			
PK	2.4886G	57.34	74.00	-16.66	25.07	3	Horizontal	342	2.92	28	27.49	4.78	-			
AV	2.4835G	45.95	54.00	-8.05	13.75	3	Horizontal	342	2.92	28	27.43	4.77	-			

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

2437MHz_TX

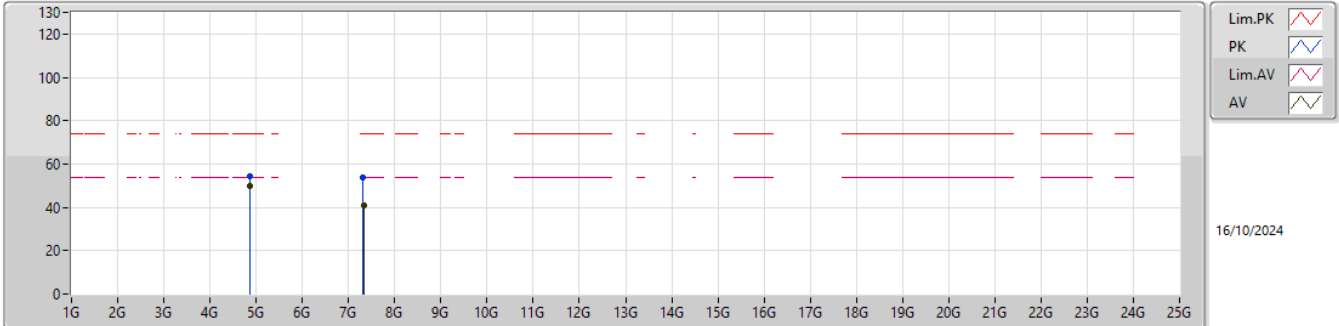


EUT_Z_2TX
SET 19
03-W-S-5

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	4.87392G	56.69	74.00	-17.31	52.81	3	Vertical	0	2.90	19	31.30	6.55	33.97				
AV	4.874G	53.29	54.00	-0.71	49.41	3	Vertical	0	2.90	19	31.30	6.55	33.97				
PK	7.30664G	53.49	74.00	-20.51	42.51	3	Vertical	88	1.80	19	36.60	8.57	34.19				
AV	7.32547G	40.71	54.00	-13.29	29.71	3	Vertical	88	1.80	19	36.60	8.59	34.19				

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

2437MHz_TX

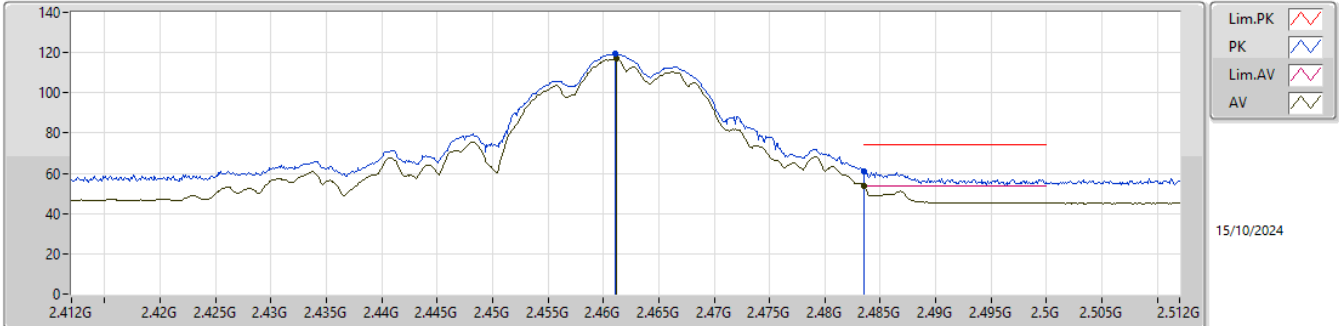


EUT_Z_2TX
SET 19
03-W-S-5

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	4.87412G	54.39	74.00	-19.61	50.51	3	Horizontal	81	2.95	19	31.30	6.55	33.97				
AV	4.87396G	49.81	54.00	-4.19	45.93	3	Horizontal	81	2.95	19	31.30	6.55	33.97				
PK	7.30277G	53.57	74.00	-20.43	42.59	3	Horizontal	296	1.80	19	36.60	8.57	34.19				
AV	7.32295G	40.72	54.00	-13.28	29.73	3	Horizontal	296	1.80	19	36.60	8.58	34.19				

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

2462MHz_TX

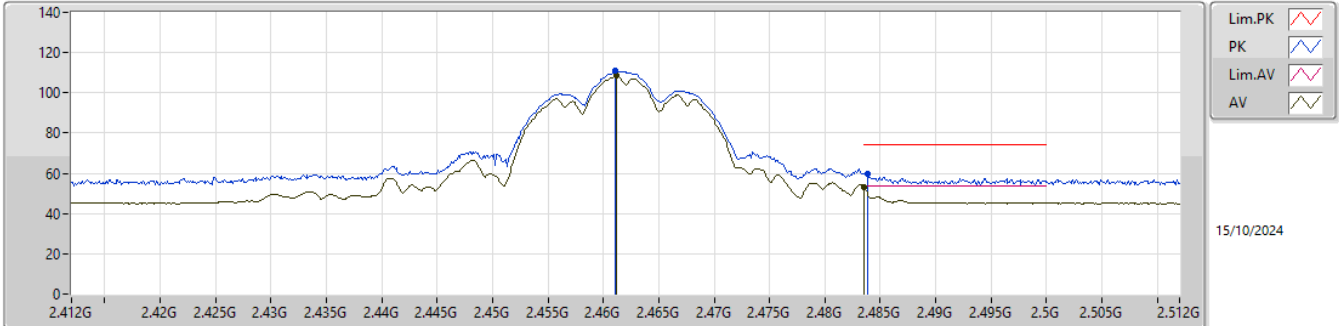


EUT_Z_2TX
SET 27
26.75\28\27.5\27.25\27
1.42\11.06\5.56\0.14\0.22

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4611G	119.54	Inf	-Inf	87.42	3	Vertical	323	2.67	27	27.39	4.73	-				
AV	2.4612G	116.94	Inf	-Inf	84.82	3	Vertical	323	2.67	27	27.39	4.73	-				
PK	2.4835G	61.01	74.00	-12.99	28.81	3	Vertical	323	2.67	27	27.43	4.77	-				
AV	2.4835G	53.78	54.00	-0.22	21.58	3	Vertical	323	2.67	27	27.43	4.77	-				

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

2462MHz_TX

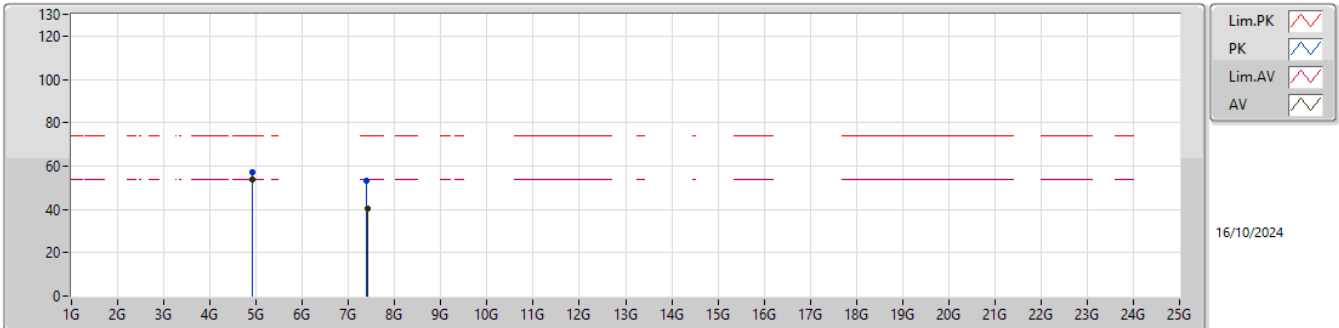


EUT_Z_2TX
SET 27
27
0.65

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4611G	110.77	Inf	-Inf	78.65	3	Horizontal	155	2.30	27	27.39	4.73	-				
AV	2.4612G	108.33	Inf	-Inf	76.21	3	Horizontal	155	2.30	27	27.39	4.73	-				
PK	2.4838G	60.04	74.00	-13.96	27.83	3	Horizontal	155	2.30	27	27.44	4.77	-				
AV	2.4835G	53.35	54.00	-0.65	21.15	3	Horizontal	155	2.30	27	27.43	4.77	-				

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

2462MHz_TX

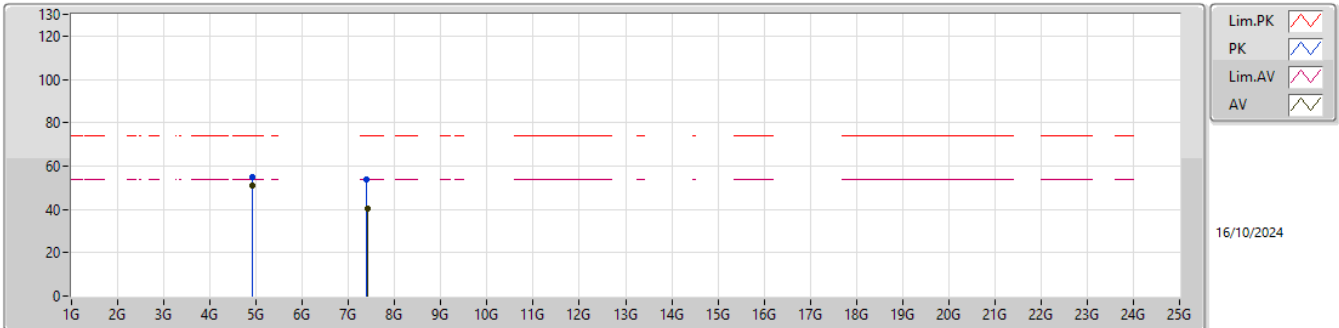


EUT_Z_2TX
SET 17.5
03-W-S-5

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	57.03	74.00	-16.97	53.05	3	Vertical	356	2.44	17.5	31.40	6.56	33.98			
AV	4.92396G	53.76	54.00	-0.24	49.78	3	Vertical	356	2.44	17.5	31.40	6.56	33.98			
PK	7.3842G	52.96	74.00	-21.04	42.05	3	Vertical	300	1.80	17.5	36.46	8.64	34.19			
AV	7.40578G	40.32	54.00	-13.68	29.44	3	Vertical	300	1.80	17.5	36.41	8.66	34.19			

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

2462MHz_TX

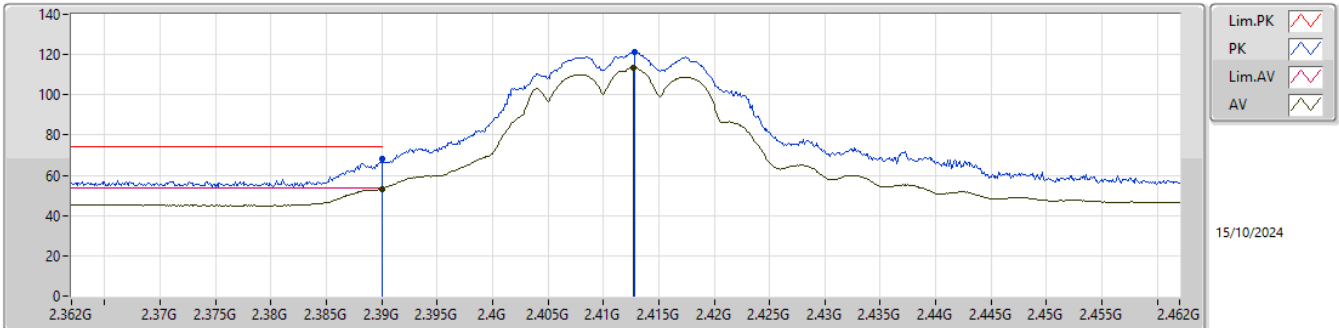


EUT_Z_2TX
SET 17.5
03-W-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.92388G	54.86	74.00	-19.14	50.88	3	Horizontal	79	2.95	17.5	31.40	6.56	33.98			
AV	4.92396G	50.81	54.00	-3.19	46.83	3	Horizontal	79	2.95	17.5	31.40	6.56	33.98			
PK	7.39707G	53.77	74.00	-20.23	42.90	3	Horizontal	355	1.88	17.5	36.41	8.65	34.19			
AV	7.4057G	40.31	54.00	-13.69	29.43	3	Horizontal	355	1.88	17.5	36.41	8.66	34.19			

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

2412MHz_TX

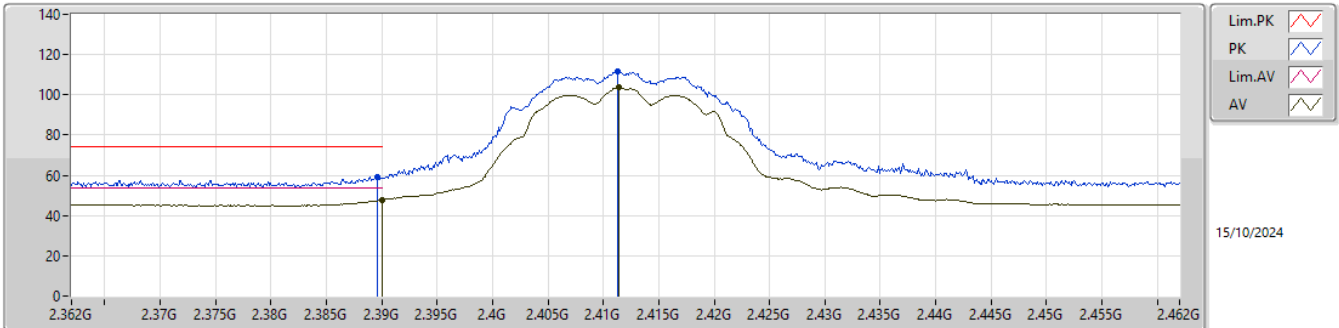


EUT_Z_2TX
SET 23.5
17\25\21\23\24\23.5\23.5
8.46\5.90\6.63\2.89\0.87\0.96\0.68

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.39G	67.93	74.00	-6.07	35.71	3	Vertical	102	2.78	23.75	27.60	4.62	-			
AV	2.39G	53.32	54.00	-0.68	21.10	3	Vertical	102	2.78	23.75	27.60	4.62	-			
PK	2.4128G	121.48	Inf	-Inf	89.26	3	Vertical	102	2.78	23.75	27.57	4.65	-			
AV	2.4127G	113.63	Inf	-Inf	81.41	3	Vertical	102	2.78	23.75	27.57	4.65	-			

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

2412MHz_TX

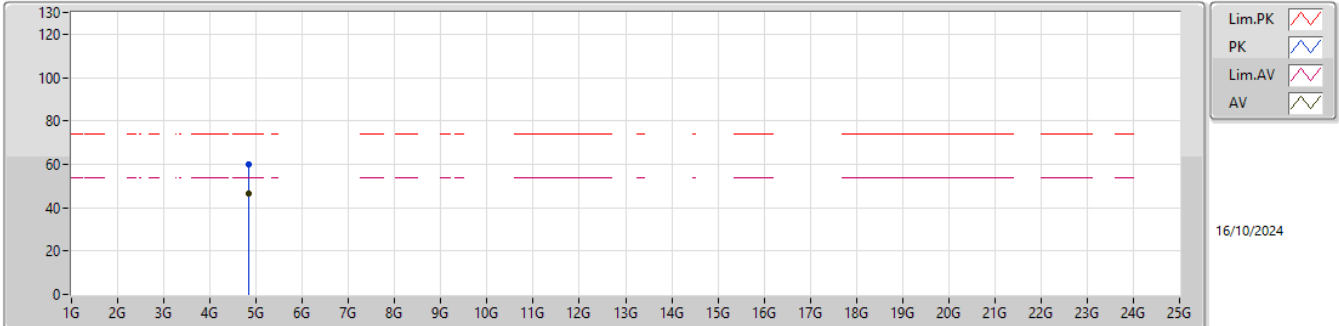


EUT_Z_2TX
SET 23.5
23.5
6.37

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3896G	59.25	74.00	-14.75	27.03	3	Horizontal	340	2.95	23.75	27.60	4.62	-				
AV	2.39G	47.63	54.00	-6.37	15.41	3	Horizontal	340	2.95	23.75	27.60	4.62	-				
PK	2.4113G	111.81	Inf	-Inf	79.57	3	Horizontal	340	2.95	23.75	27.59	4.65	-				
AV	2.4114G	103.75	Inf	-Inf	71.51	3	Horizontal	340	2.95	23.75	27.59	4.65	-				

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

2412MHz_TX

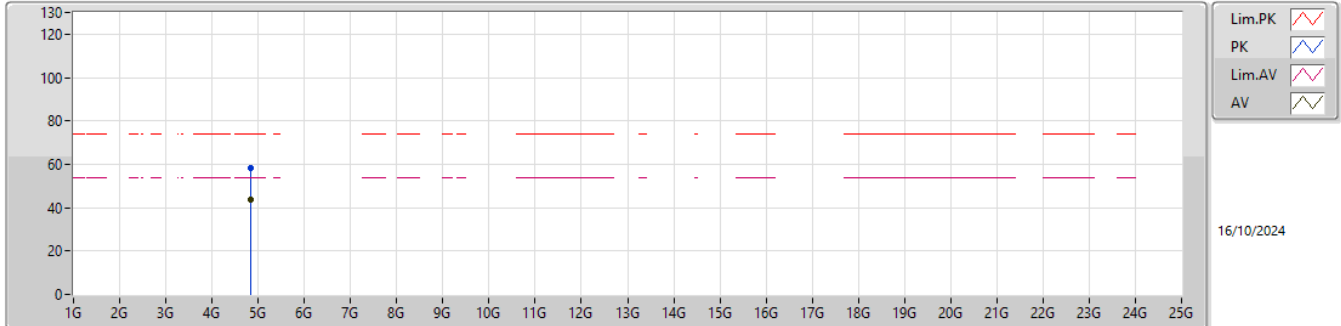


EUT_Z_2TX
SET 23.5
03-W-S-5

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	4.82596G	59.70	74.00	-14.30	55.76	3	Vertical	189	2.82	23.5	31.35	6.55	33.96			
AV	4.82576G	46.74	54.00	-7.26	42.80	3	Vertical	189	2.82	23.5	31.35	6.55	33.96			

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

2412MHz_TX

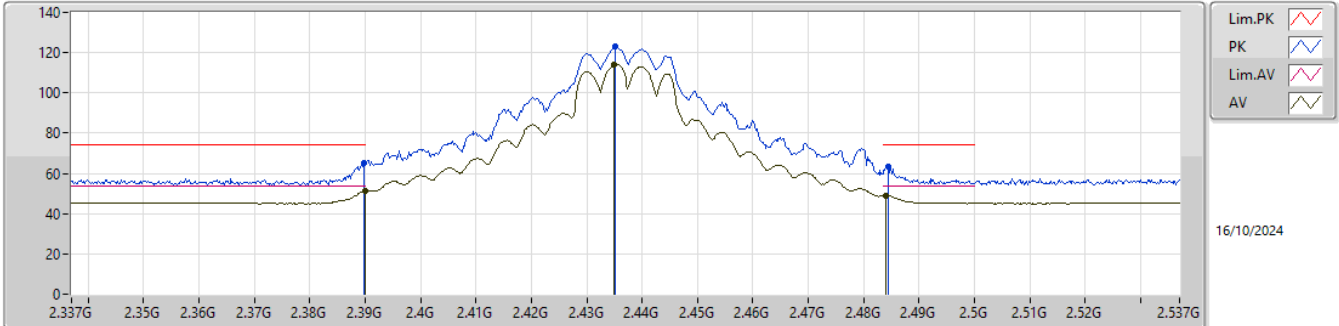


EUT_Z_2TX
SET 23.5
03-W-S-5

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	4.82716G	58.10	74.00	-15.90	54.16	3	Horizontal	64	2.90	23.5	31.35	6.55	33.96			
AV	4.82616G	43.98	54.00	-10.02	40.04	3	Horizontal	64	2.90	23.5	31.35	6.55	33.96			

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

2437MHz_TX

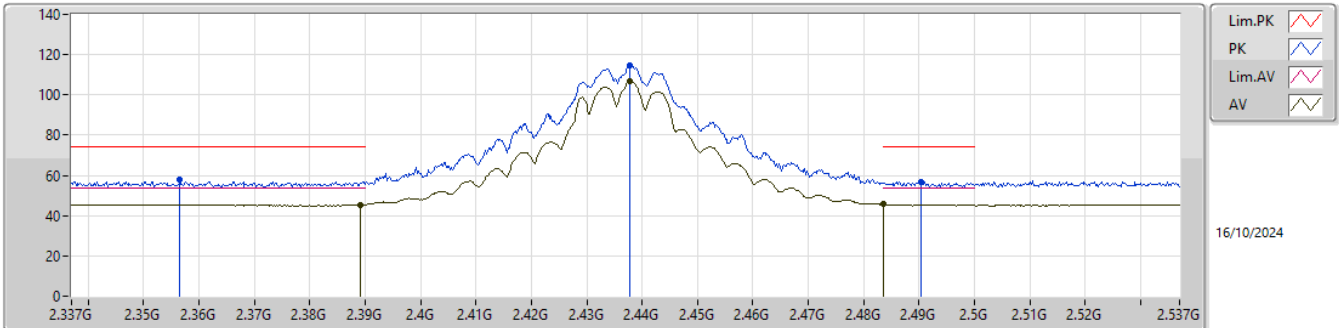


EUT_Z_2TX
SET 28
23.75\28
7.01\2.79

Type	Freq (Hz)	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	64.96	74.00	-9.04	32.74	3	Vertical	101	2.73	28	27.60	4.62	-			
AV	2.39G	51.21	54.00	-2.79	18.99	3	Vertical	101	2.73	28	27.60	4.62	-			
PK	2.4352G	122.96	Inf	-Inf	90.82	3	Vertical	101	2.73	28	27.45	4.69	-			
AV	2.435G	114.08	Inf	-Inf	81.94	3	Vertical	101	2.73	28	27.45	4.69	-			
PK	2.4844G	63.28	74.00	-10.72	31.07	3	Vertical	101	2.73	28	27.44	4.77	-			
AV	2.484G	48.84	54.00	-5.16	16.63	3	Vertical	101	2.73	28	27.44	4.77	-			

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

2437MHz_TX

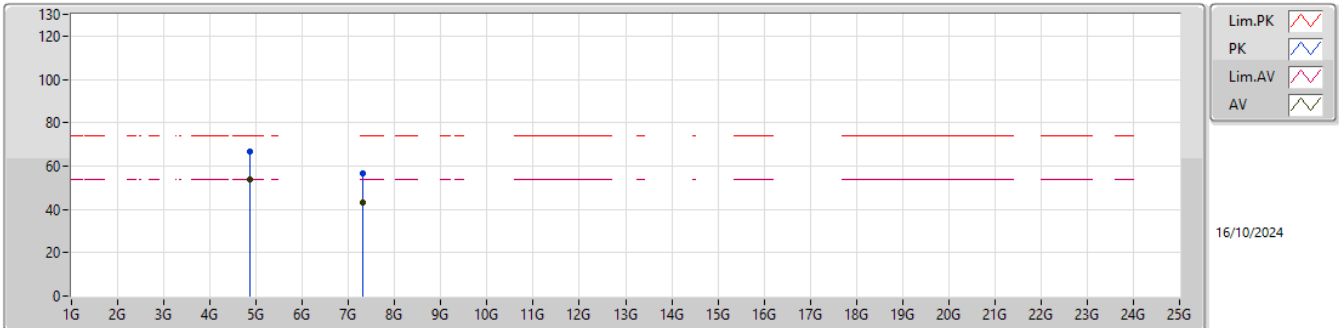


EUT_Z_2TX
SET 28
28
8.37

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3566G	58.21	74.00	-15.79	25.81	3	Horizontal	303	2.74	28	27.80	4.60	-			
AV	2.3892G	45.49	54.00	-8.51	13.27	3	Horizontal	303	2.74	28	27.60	4.62	-			
PK	2.4378G	114.59	Inf	-Inf	82.48	3	Horizontal	303	2.74	28	27.42	4.69	-			
AV	2.4378G	106.53	Inf	-Inf	74.42	3	Horizontal	303	2.74	28	27.42	4.69	-			
PK	2.4904G	56.91	74.00	-17.09	24.63	3	Horizontal	303	2.74	28	27.50	4.78	-			
AV	2.4835G	45.63	54.00	-8.37	13.43	3	Horizontal	303	2.74	28	27.43	4.77	-			

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

2437MHz_TX

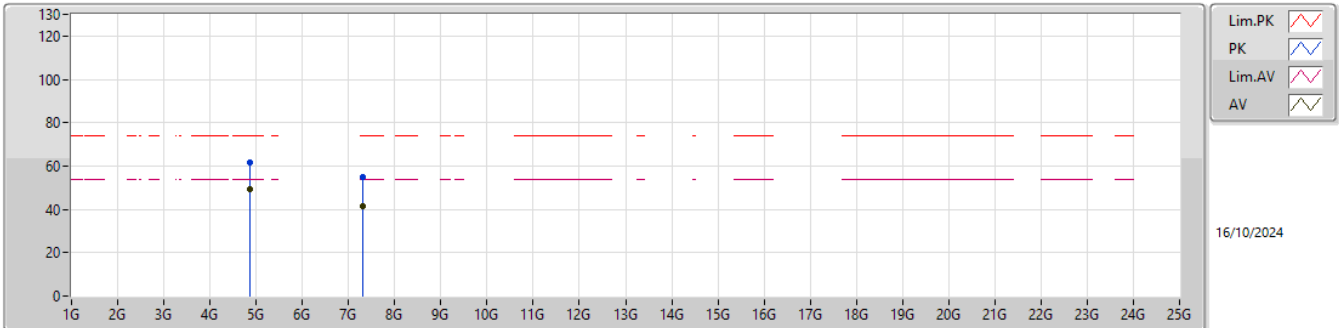


EUT_Z_2TX
SET 24.5
03-W-S-5

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	4.87696G	66.57	74.00	-7.43	62.69	3	Vertical	357	2.88	24.5	31.30	6.55	33.97			
AV	4.87304G	53.97	54.00	-0.03	50.09	3	Vertical	357	2.88	24.5	31.30	6.55	33.97			
PK	7.3111G	56.78	74.00	-17.22	45.80	3	Vertical	236	2.58	24.5	36.60	8.57	34.19			
AV	7.31012G	42.87	54.00	-11.13	31.89	3	Vertical	236	2.58	24.5	36.60	8.57	34.19			

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

2437MHz_TX

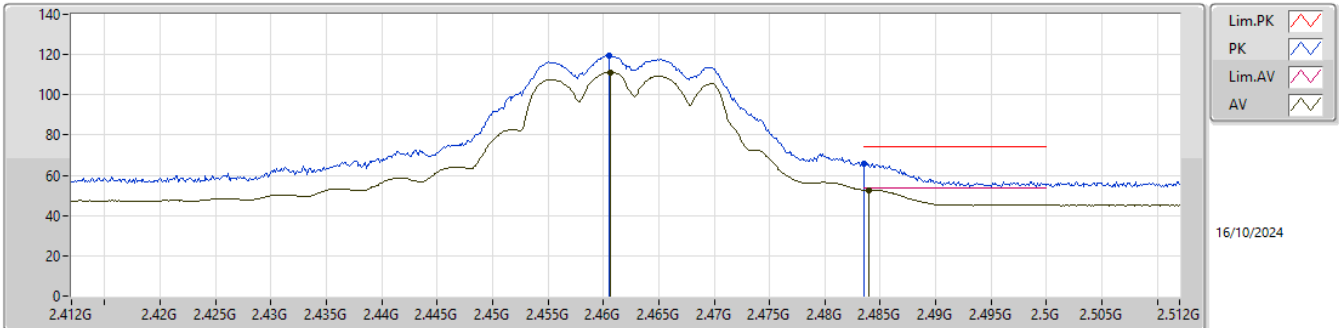


EUT_Z_2TX
SET 24.5
03-W-S-5

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	4.87508G	61.91	74.00	-12.09	58.03	3	Horizontal	84	2.92	24.5	31.30	6.55	33.97				
AV	4.87424G	49.52	54.00	-4.48	45.64	3	Horizontal	84	2.92	24.5	31.30	6.55	33.97				
PK	7.30221G	55.03	74.00	-18.97	44.05	3	Horizontal	244	2.71	24.5	36.60	8.57	34.19				
AV	7.30756G	41.69	54.00	-12.31	30.71	3	Horizontal	244	2.71	24.5	36.60	8.57	34.19				

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

2462MHz_TX

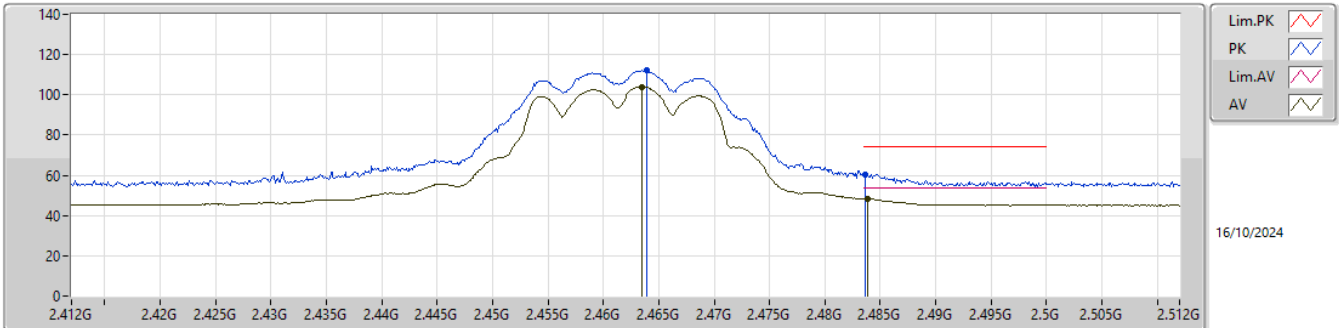


EUT_Z_2TX
SET 23.5
23.75\25\24.5\24.25\24\23.5
1.26\ -6.83\ -4.36\ -1.62\ -1.39\ 1.27

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4605G	119.54	Inf	-Inf	87.42	3	Vertical	109	2.95	23.75	27.39	4.73	-			
AV	2.4606G	111.25	Inf	-Inf	79.13	3	Vertical	109	2.95	23.75	27.39	4.73	-			
PK	2.4835G	66.06	74.00	-7.94	33.86	3	Vertical	109	2.95	23.75	27.43	4.77	-			
AV	2.484G	52.73	54.00	-1.27	20.52	3	Vertical	109	2.95	23.75	27.44	4.77	-			

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

2462MHz_TX

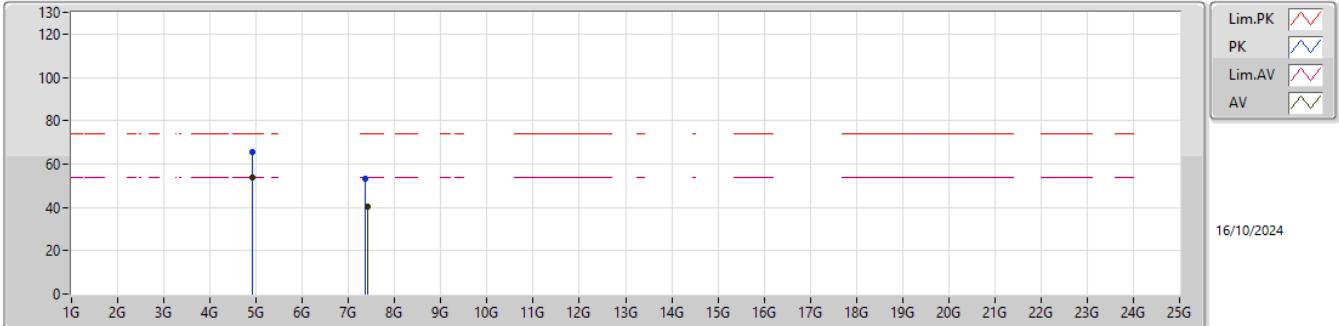


EUT_Z_2TX
SET 23.5
23.5
5.75

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4639G	111.99	Inf	-Inf	79.89	3	Horizontal	342	2.77	23.75	27.36	4.74	-				
AV	2.4635G	104.05	Inf	-Inf	71.95	3	Horizontal	342	2.77	23.75	27.36	4.74	-				
PK	2.4836G	60.47	74.00	-13.53	28.26	3	Horizontal	342	2.77	23.75	27.44	4.77	-				
AV	2.4838G	48.25	54.00	-5.75	16.04	3	Horizontal	342	2.77	23.75	27.44	4.77	-				

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

2462MHz_TX

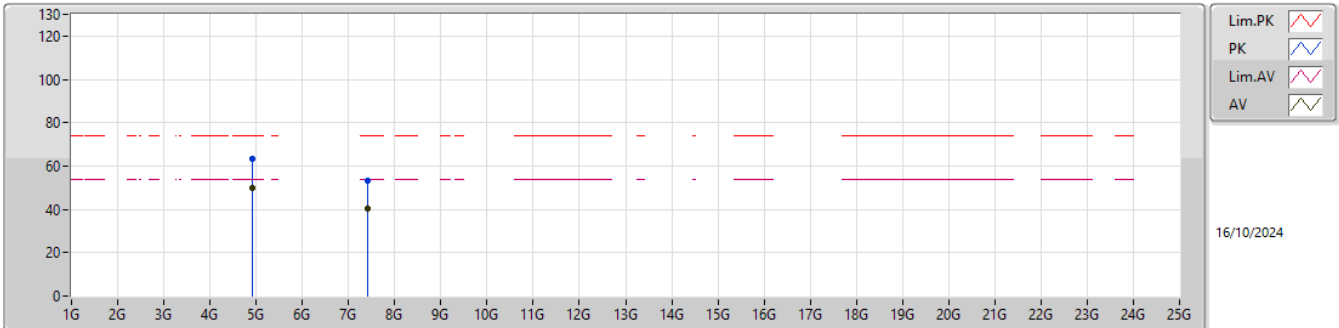


EUT_Z_2TX
SET 21.5
03-W-S-5

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	4.92268G	65.76	74.00	-8.24	61.79	3	Vertical	354	2.56	21.5	31.39	6.56	33.98				
AV	4.92248G	53.54	54.00	-0.46	49.57	3	Vertical	354	2.56	21.5	31.39	6.56	33.98				
PK	7.37038G	53.30	74.00	-20.70	42.35	3	Vertical	66	1.80	21.5	36.52	8.62	34.19				
AV	7.40582G	40.34	54.00	-13.66	29.46	3	Vertical	66	1.80	21.5	36.41	8.66	34.19				

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

2462MHz_TX

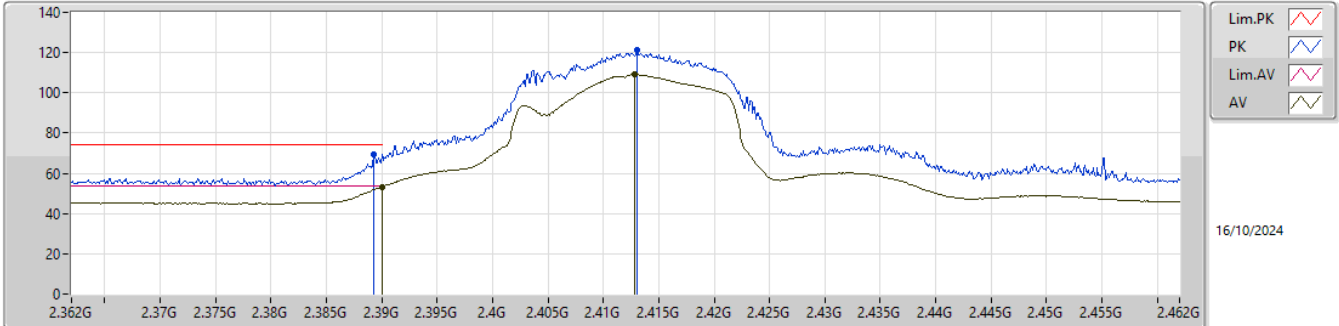


EUT_Z_2TX
SET 21.5
03-W-S-5

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	4.92712G	63.17	74.00	-10.83	59.18	3	Horizontal	68	2.95	21.5	31.41	6.56	33.98			
AV	4.92204G	49.71	54.00	-4.29	45.74	3	Horizontal	68	2.95	21.5	31.39	6.56	33.98			
PK	7.40162G	53.16	74.00	-20.84	42.30	3	Horizontal	214	1.80	21.5	36.40	8.65	34.19			
AV	7.40542G	40.29	54.00	-13.71	29.41	3	Horizontal	214	1.80	21.5	36.41	8.66	34.19			

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2412MHz_TX

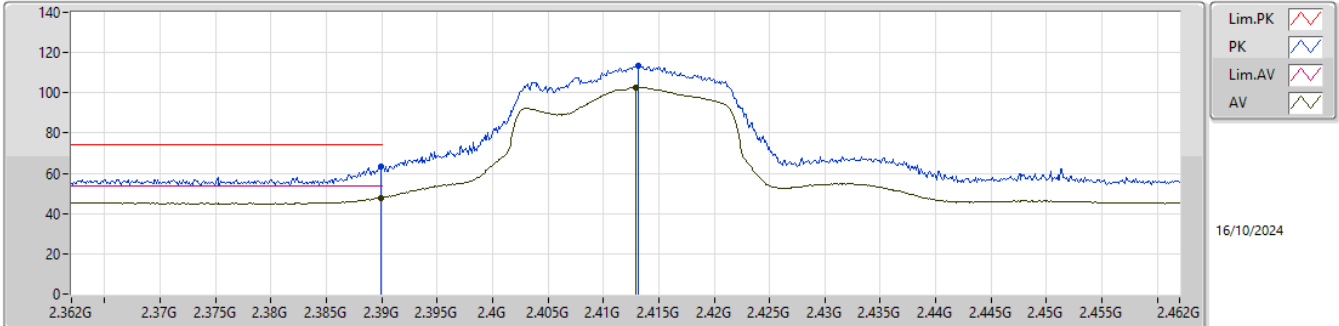


EUT_Z_2TX
SET 23
17\23.5\20.5\22\22.5\23
6.97\1.11\4.89\3.11\2.05\0.72

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3893G	69.58	74.00	-4.42	37.36	3	Vertical	330	2.80	23	27.60	4.62	-			
AV	2.39G	53.28	54.00	-0.72	21.06	3	Vertical	330	2.80	23	27.60	4.62	-			
PK	2.413G	121.14	Inf	-Inf	88.92	3	Vertical	330	2.80	23	27.57	4.65	-			
AV	2.4128G	109.17	Inf	-Inf	76.95	3	Vertical	330	2.80	23	27.57	4.65	-			

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2412MHz_TX

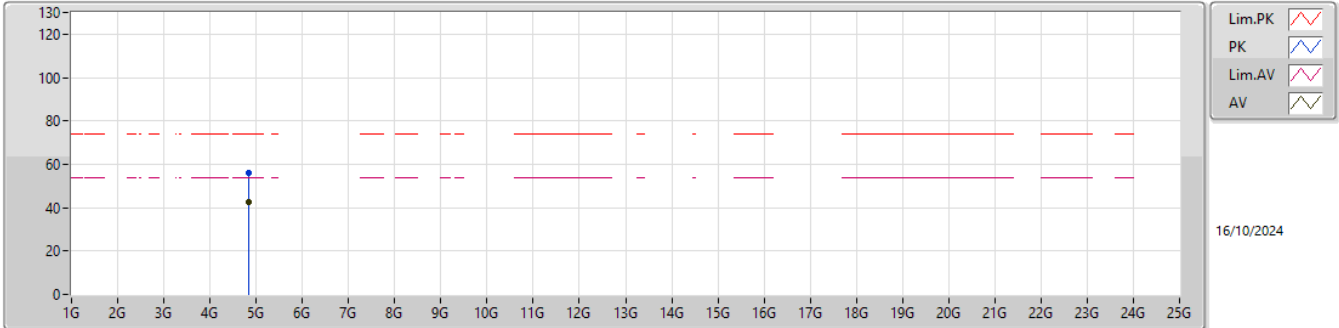


EUT_Z_2TX
SET 23
23
6.06

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3899G	63.25	74.00	-10.75	31.03	3	Horizontal	308	2.74	23	27.60	4.62	-				
AV	2.3899G	47.94	54.00	-6.06	15.72	3	Horizontal	308	2.74	23	27.60	4.62	-				
PK	2.4131G	113.62	Inf	-Inf	81.40	3	Horizontal	308	2.74	23	27.57	4.65	-				
AV	2.4129G	102.83	Inf	-Inf	70.61	3	Horizontal	308	2.74	23	27.57	4.65	-				

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2412MHz_TX

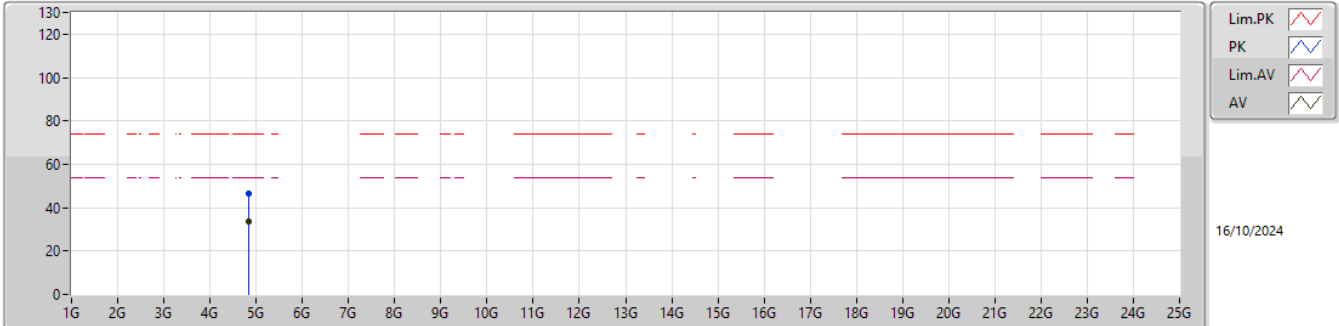


EUT_Z_2TX
SET 23
06-W-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.82852G	56.28	74.00	-17.72	52.35	3	Vertical	178	2.95	23	31.34	6.55	33.96			
AV	4.82924G	42.69	54.00	-11.31	38.76	3	Vertical	178	2.95	23	31.34	6.55	33.96			

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2412MHz_TX

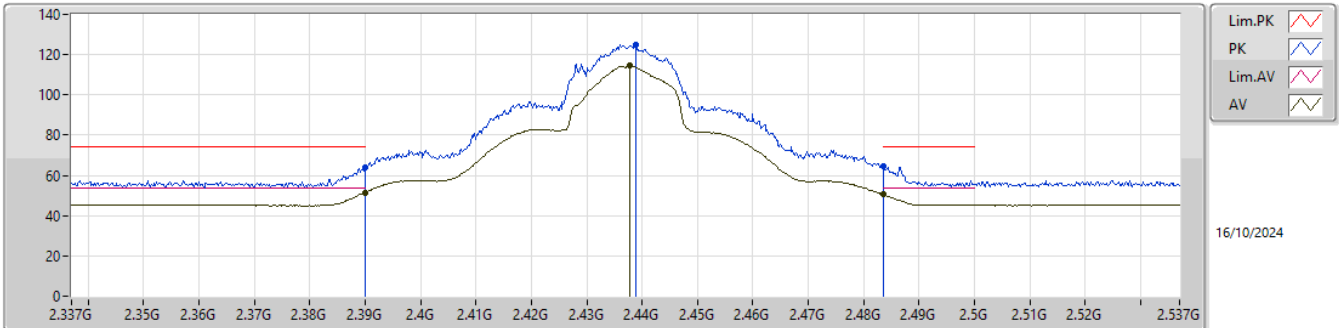


EUT_Z_2TX
SET 23
06-W-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.83259G	46.34	74.00	-27.66	42.42	3	Horizontal	0.1	1.80	23	31.33	6.55	33.96			
AV	4.82684G	33.85	54.00	-20.15	29.91	3	Horizontal	0.1	1.80	23	31.35	6.55	33.96			

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2437MHz_TX

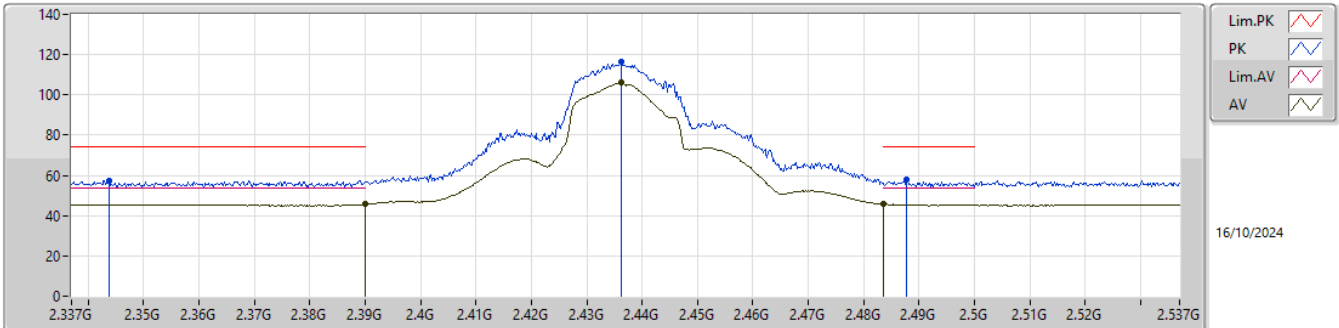


EUT_Z_2TX
SET 28
24.5\28
6.27\2.57

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.39G	64.07	74.00	-9.93	31.85	3	Vertical	92	2.74	28	27.60	4.62	-				
AV	2.39G	51.43	54.00	-2.57	19.21	3	Vertical	92	2.74	28	27.60	4.62	-				
PK	2.4388G	124.90	Inf	-Inf	92.79	3	Vertical	92	2.74	28	27.41	4.70	-				
AV	2.4378G	114.49	Inf	-Inf	82.38	3	Vertical	92	2.74	28	27.42	4.69	-				
PK	2.4835G	64.42	74.00	-9.58	32.22	3	Vertical	92	2.74	28	27.43	4.77	-				
AV	2.4835G	50.43	54.00	-3.57	18.23	3	Vertical	92	2.74	28	27.43	4.77	-				

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2437MHz_TX

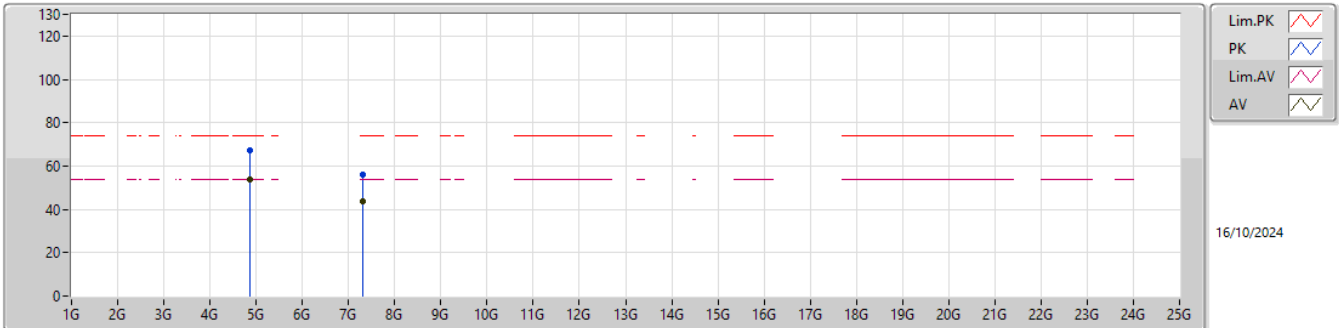


EUT_Z_2TX
SET 28
28
8.35

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3438G	57.35	74.00	-16.65	24.96	3	Horizontal	341	2.89	28	27.80	4.59	-			
AV	2.39G	45.64	54.00	-8.36	13.42	3	Horizontal	341	2.89	28	27.60	4.62	-			
PK	2.4362G	116.26	Inf	-Inf	84.13	3	Horizontal	341	2.89	28	27.44	4.69	-			
AV	2.4362G	105.98	Inf	-Inf	73.85	3	Horizontal	341	2.89	28	27.44	4.69	-			
PK	2.4878G	57.65	74.00	-16.35	25.39	3	Horizontal	341	2.89	28	27.48	4.78	-			
AV	2.4835G	45.65	54.00	-8.35	13.45	3	Horizontal	341	2.89	28	27.43	4.77	-			

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2437MHz_TX

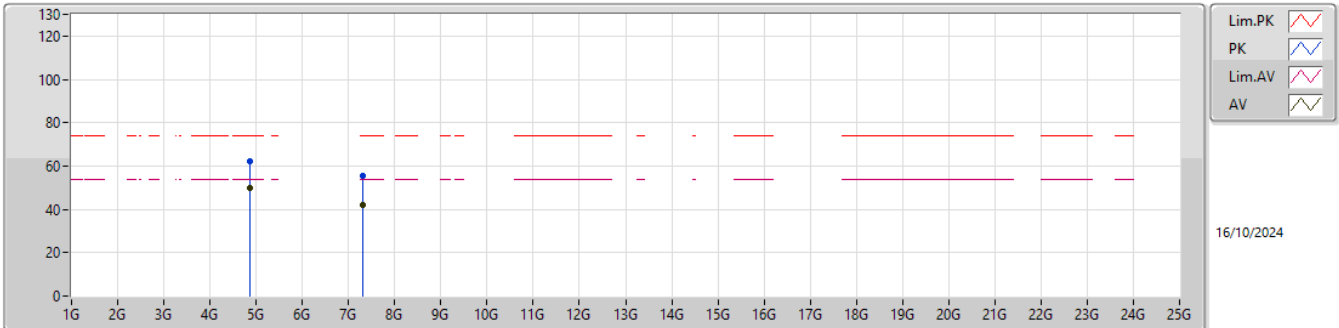


EUT_Z_2TX
SET 25.5
06-W-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.873G	67.25	74.00	-6.75	63.37	3	Vertical	1	2.90	25.5	31.30	6.55	33.97			
AV	4.87296G	53.81	54.00	-0.19	49.93	3	Vertical	1	2.90	25.5	31.30	6.55	33.97			
PK	7.30976G	56.25	74.00	-17.75	45.27	3	Vertical	238	2.53	25.5	36.60	8.57	34.19			
AV	7.30792G	43.88	54.00	-10.12	32.90	3	Vertical	238	2.53	25.5	36.60	8.57	34.19			

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2437MHz_TX

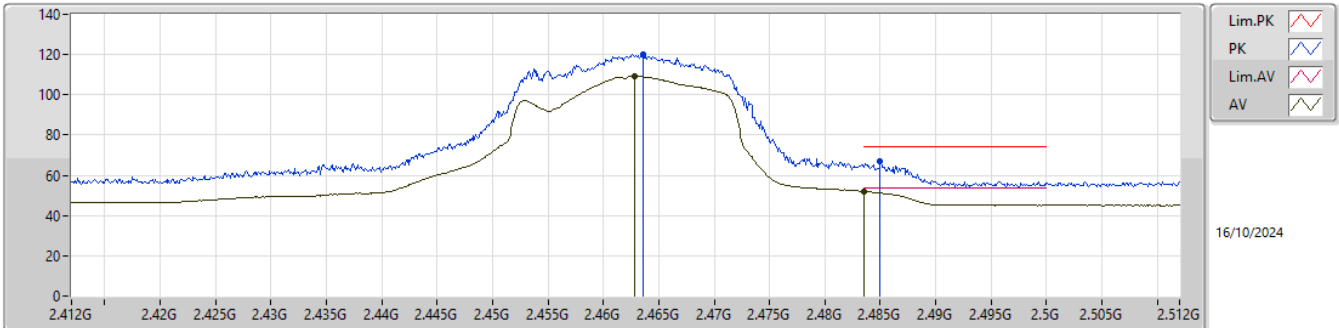


EUT_Z_2TX
SET 25.5
06-W-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.874G	62.31	74.00	-11.69	58.43	3	Horizontal	81	2.83	25.5	31.30	6.55	33.97				
AV	4.87428G	49.70	54.00	-4.30	45.82	3	Horizontal	81	2.83	25.5	31.30	6.55	33.97				
PK	7.31552G	55.54	74.00	-18.46	44.55	3	Horizontal	246	2.69	25.5	36.60	8.58	34.19				
AV	7.30337G	42.26	54.00	-11.74	31.28	3	Horizontal	246	2.69	25.5	36.60	8.57	34.19				

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2462MHz_TX

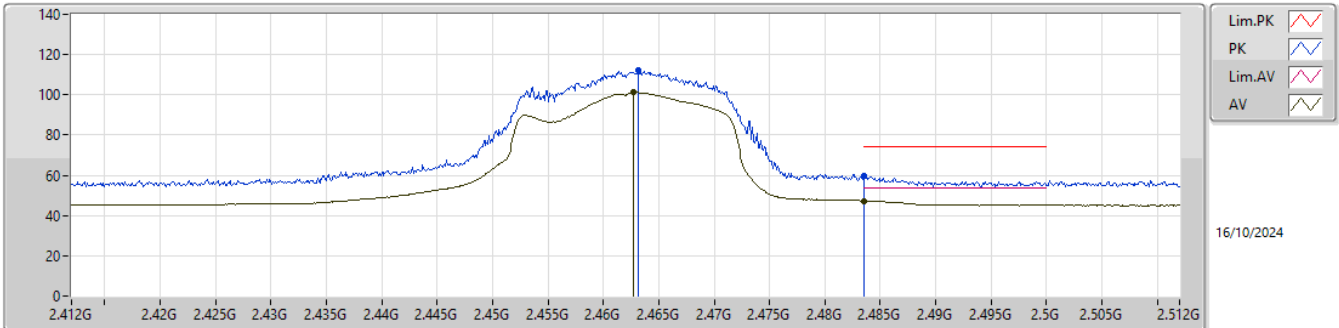


EUT_Z_2TX
SET 23.5
21.5\26.5\24\23\23.5
5.06\12.86\0.51\3.27\1.98

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4636G	120.05	Inf	-Inf	87.95	3	Vertical	327	2.68	23.5	27.36	4.74	-			
AV	2.4628G	109.47	Inf	-Inf	77.36	3	Vertical	327	2.68	23.5	27.37	4.74	-			
PK	2.485G	67.22	74.00	-6.78	35.00	3	Vertical	327	2.68	23.5	27.45	4.77	-			
AV	2.4835G	52.02	54.00	-1.98	19.82	3	Vertical	327	2.68	23.5	27.43	4.77	-			

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2462MHz_TX

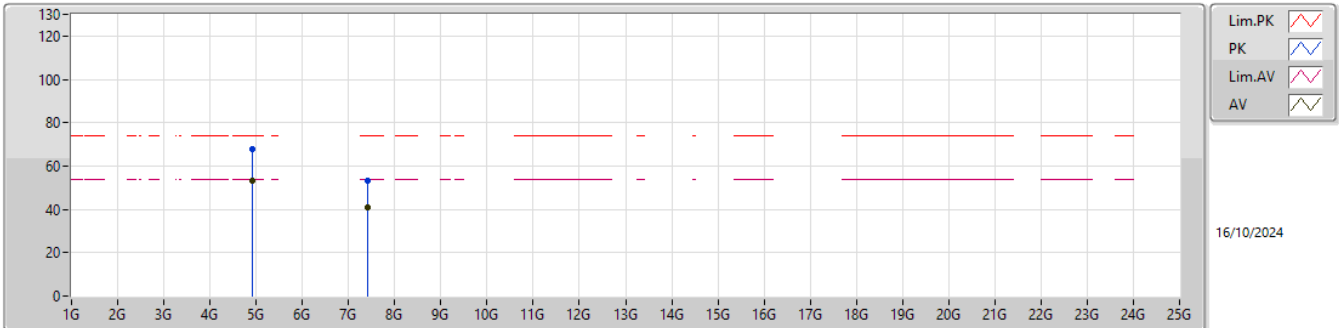


EUT_Z_2TX
SET 23.5
23.5
6.79

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4631G	112.50	Inf	-Inf	80.39	3	Horizontal	162	2.33	23.5	27.37	4.74	-			
AV	2.4627G	101.29	Inf	-Inf	69.18	3	Horizontal	162	2.33	23.5	27.37	4.74	-			
PK	2.4835G	59.90	74.00	-14.10	27.70	3	Horizontal	162	2.33	23.5	27.43	4.77	-			
AV	2.4835G	47.21	54.00	-6.79	15.01	3	Horizontal	162	2.33	23.5	27.43	4.77	-			

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2462MHz_TX

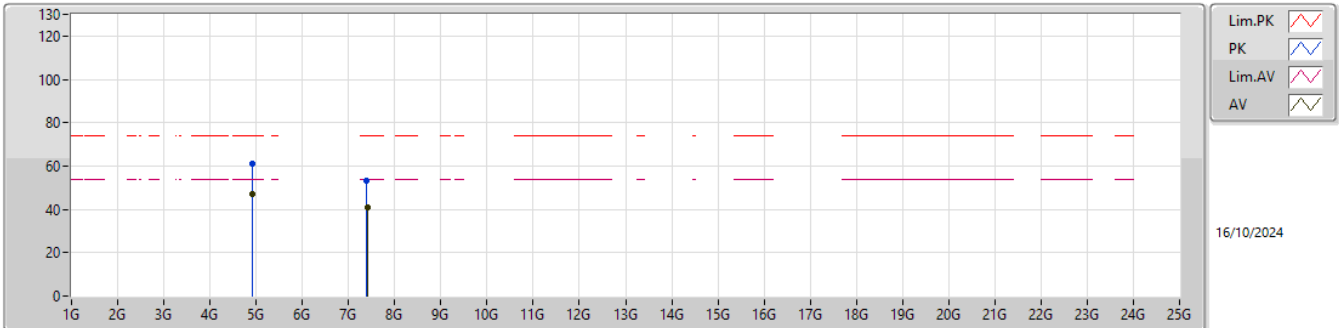


EUT_Z_2TX
SET 22.5
06-W-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.92016G	67.65	74.00	-6.35	63.69	3	Vertical	354	2.70	22.5	31.38	6.56	33.98				
AV	4.92032G	53.35	54.00	-0.65	49.39	3	Vertical	354	2.70	22.5	31.38	6.56	33.98				
PK	7.40578G	53.35	74.00	-20.65	42.47	3	Vertical	26	2.95	22.5	36.41	8.66	34.19				
AV	7.40598G	40.69	54.00	-13.31	29.81	3	Vertical	26	2.95	22.5	36.41	8.66	34.19				

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2462MHz_TX

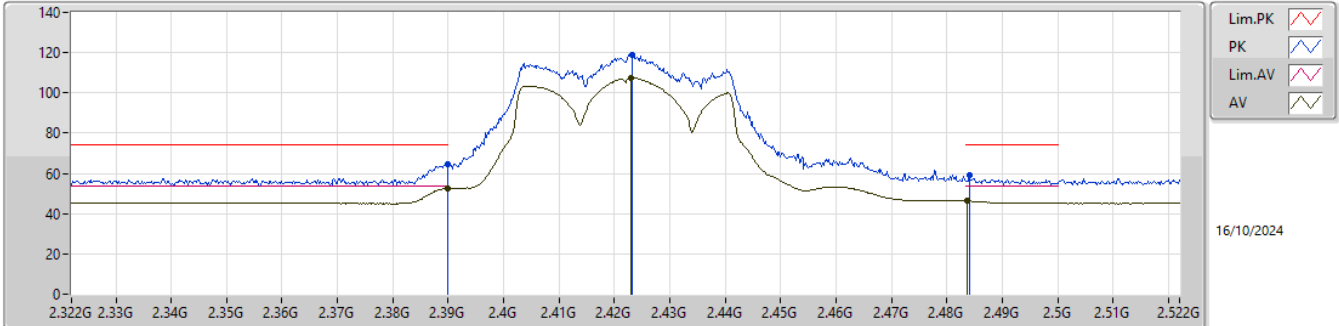


EUT_Z_2TX
SET 22.5
06-W-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.92344G	60.87	74.00	-13.13	56.90	3	Horizontal	344	2.88	22.5	31.39	6.56	33.98			
AV	4.92012G	47.21	54.00	-6.79	43.25	3	Horizontal	344	2.88	22.5	31.38	6.56	33.98			
PK	7.39303G	53.01	74.00	-20.99	42.13	3	Horizontal	153	1.80	22.5	36.43	8.64	34.19			
AV	7.40278G	40.64	54.00	-13.36	29.77	3	Horizontal	153	1.80	22.5	36.41	8.65	34.19			

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2422MHz_TX

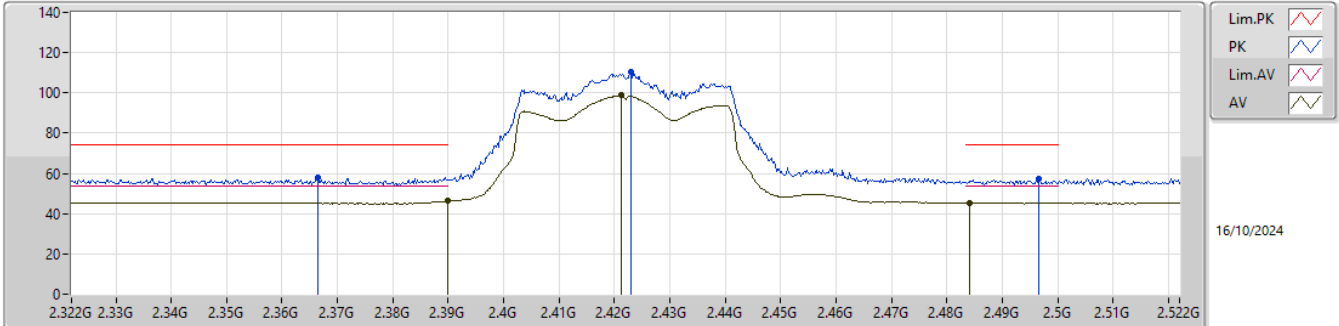


EUT_Z_2TX
SET 21
25\17\21\23\22\21.5\21
-18.12\6.02\1.42\7.62\1.35\0.23\1.34

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.39G	64.45	74.00	-9.55	32.23	3	Vertical	96	2.78	21	27.60	4.62	-			
AV	2.39G	52.66	54.00	-1.34	20.44	3	Vertical	96	2.78	21	27.60	4.62	-			
PK	2.4232G	118.86	Inf	-Inf	86.69	3	Vertical	96	2.78	21	27.50	4.67	-			
AV	2.423G	107.58	Inf	-Inf	75.41	3	Vertical	96	2.78	21	27.50	4.67	-			
PK	2.484G	58.89	74.00	-15.11	26.68	3	Vertical	96	2.78	21	27.44	4.77	-			
AV	2.4836G	46.27	54.00	-7.73	14.06	3	Vertical	96	2.78	21	27.44	4.77	-			

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2422MHz_TX

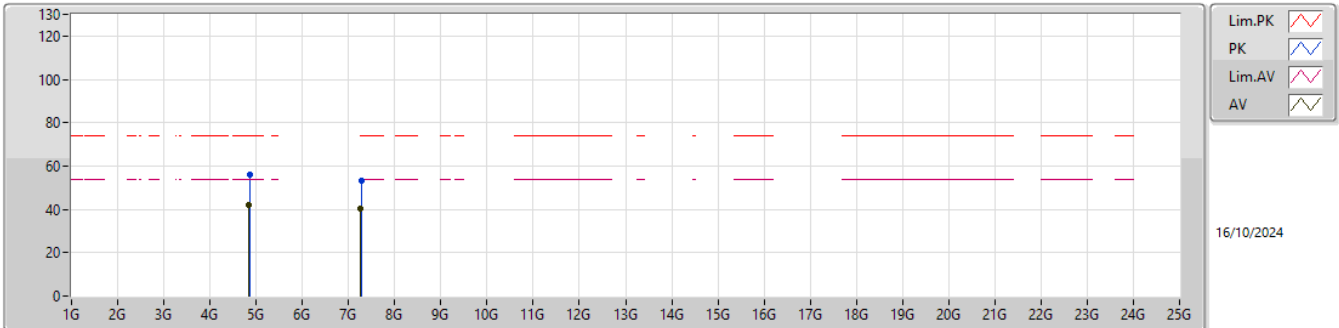


EUT_Z_2TX
SET 21
21
7.61

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3664G	58.06	74.00	-15.94	25.71	3	Horizontal	340	2.87	21	27.74	4.61	-			
AV	2.39G	46.39	54.00	-7.61	14.17	3	Horizontal	340	2.87	21	27.60	4.62	-			
PK	2.423G	110.48	Inf	-Inf	78.31	3	Horizontal	340	2.87	21	27.50	4.67	-			
AV	2.4212G	98.67	Inf	-Inf	66.50	3	Horizontal	340	2.87	21	27.50	4.67	-			
PK	2.4966G	57.37	74.00	-16.63	25.15	3	Horizontal	340	2.87	21	27.43	4.79	-			
AV	2.484G	45.29	54.00	-8.71	13.08	3	Horizontal	340	2.87	21	27.44	4.77	-			

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2422MHz_TX

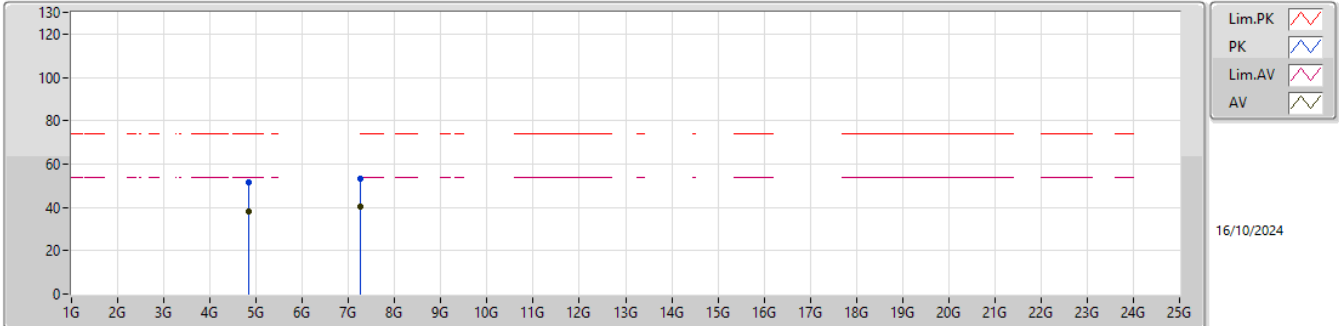


EUT_Z_2TX
SET 21
06-W-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.8595G	56.20	74.00	-17.80	52.31	3	Vertical	360	2.92	21	31.30	6.55	33.96				
AV	4.83992G	42.19	54.00	-11.81	38.28	3	Vertical	360	2.92	21	31.32	6.55	33.96				
PK	7.27367G	53.22	74.00	-20.78	42.38	3	Vertical	358	1.80	21	36.49	8.54	34.19				
AV	7.26145G	40.56	54.00	-13.44	29.77	3	Vertical	358	1.80	21	36.45	8.53	34.19				

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2422MHz_TX

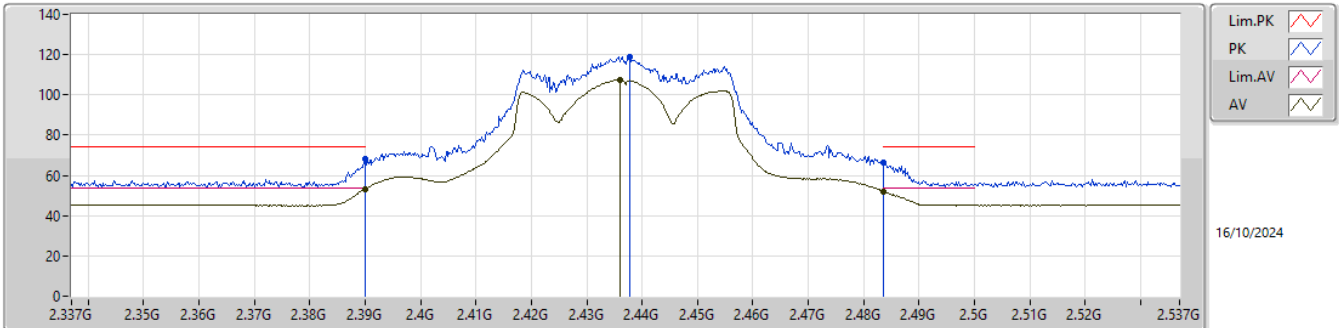


EUT_Z_2TX
SET 21
06-W-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.84184G	51.37	74.00	-22.63	47.46	3	Horizontal	344	2.93	21	31.32	6.55	33.96			
AV	4.84096G	37.84	54.00	-16.16	33.93	3	Horizontal	344	2.93	21	31.32	6.55	33.96			
PK	7.26398G	53.34	74.00	-20.66	42.54	3	Horizontal	54	1.80	21	36.46	8.53	34.19			
AV	7.25977G	40.55	54.00	-13.45	29.77	3	Horizontal	54	1.80	21	36.44	8.53	34.19			

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2437MHz_TX

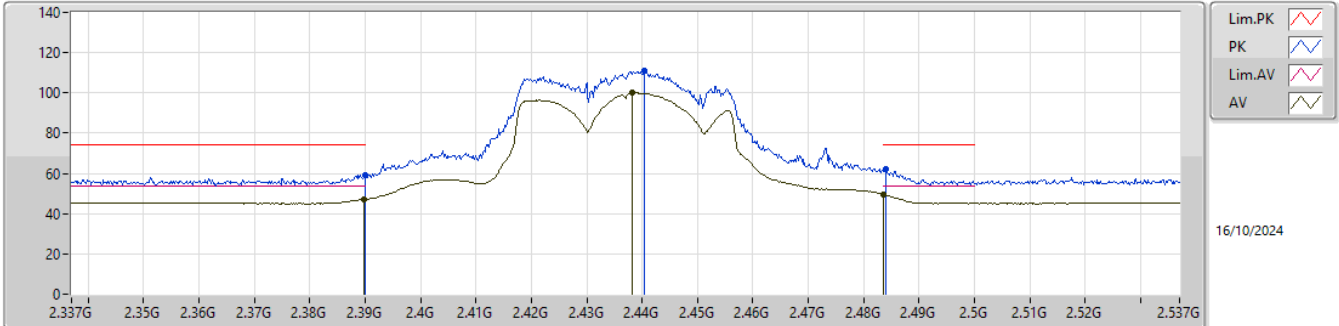


EUT_Z_2TX
SET 23.5
17\25\21\23\24\23.5
8.70\5.19\6.07\2.26\1.26\0.69

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.39G	67.96	74.00	-6.04	35.74	3	Vertical	242	2.66	23.5	27.60	4.62	-			
AV	2.39G	53.31	54.00	-0.69	21.09	3	Vertical	242	2.66	23.5	27.60	4.62	-			
PK	2.4378G	119.04	Inf	-Inf	86.93	3	Vertical	242	2.66	23.5	27.42	4.69	-			
AV	2.436G	107.68	Inf	-Inf	75.55	3	Vertical	242	2.66	23.5	27.44	4.69	-			
PK	2.4835G	66.14	74.00	-7.86	33.94	3	Vertical	242	2.66	23.5	27.43	4.77	-			
AV	2.4835G	52.09	54.00	-1.91	19.89	3	Vertical	242	2.66	23.5	27.43	4.77	-			

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2437MHz_TX

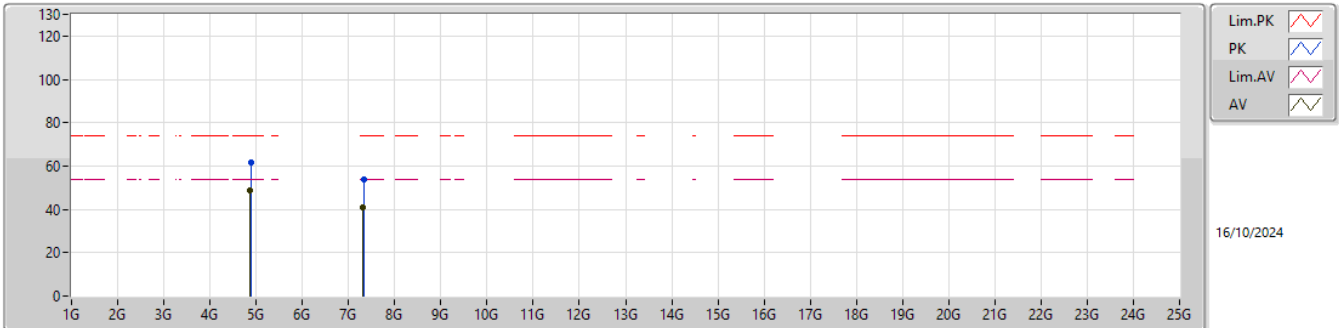


EUT_Z_2TX
SET 23.5
23.5
4.37

Type	Freq (Hz)	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	59.39	74.00	-14.61	27.17	3	Horizontal	299	2.90	23.5	27.60	4.62	-			
AV	2.3898G	47.14	54.00	-6.86	14.92	3	Horizontal	299	2.90	23.5	27.60	4.62	-			
PK	2.4404G	111.07	Inf	-Inf	78.97	3	Horizontal	299	2.90	23.5	27.40	4.70	-			
AV	2.4382G	99.98	Inf	-Inf	67.87	3	Horizontal	299	2.90	23.5	27.42	4.69	-			
PK	2.484G	62.45	74.00	-11.55	30.24	3	Horizontal	299	2.90	23.5	27.44	4.77	-			
AV	2.4835G	49.63	54.00	-4.37	17.43	3	Horizontal	299	2.90	23.5	27.43	4.77	-			

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2437MHz_TX

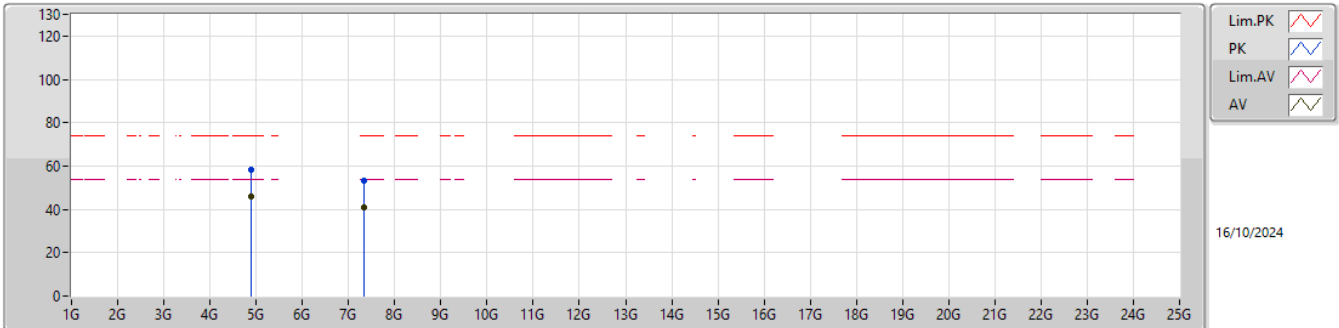


EUT_Z_2TX
SET 23.5
06-W-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.89358G	61.67	74.00	-12.33	57.79	3	Vertical	354	2.76	23.5	31.30	6.55	33.97				
AV	4.87104G	48.87	54.00	-5.13	44.99	3	Vertical	354	2.76	23.5	31.30	6.55	33.97				
PK	7.33242G	53.57	74.00	-20.43	42.57	3	Vertical	240	2.36	23.5	36.60	8.59	34.19				
AV	7.30908G	41.11	54.00	-12.89	30.13	3	Vertical	240	2.36	23.5	36.60	8.57	34.19				

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2437MHz_TX

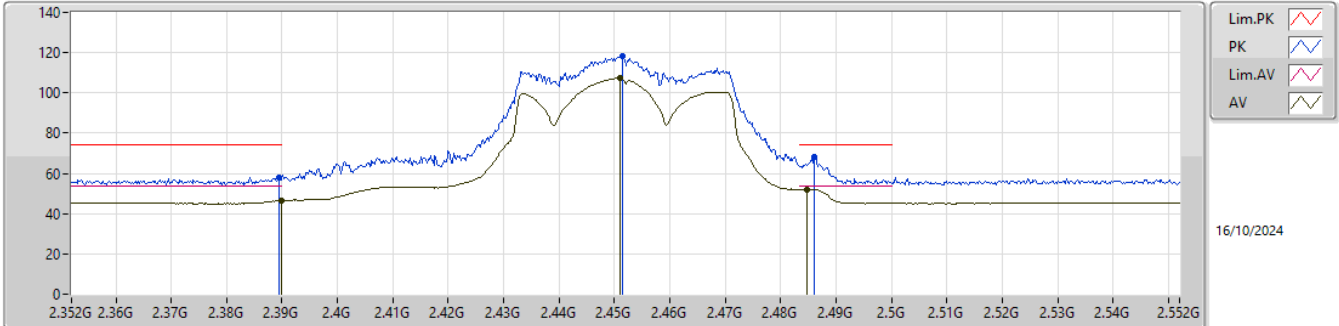


EUT_Z_2TX
SET 23.5
06-W-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.88719G	58.40	74.00	-15.60	54.52	3	Horizontal	66	2.95	23.5	31.30	6.55	33.97				
AV	4.88567G	45.80	54.00	-8.20	41.92	3	Horizontal	66	2.95	23.5	31.30	6.55	33.97				
PK	7.32379G	53.38	74.00	-20.62	42.38	3	Horizontal	269	2.61	23.5	36.60	8.59	34.19				
AV	7.33985G	40.88	54.00	-13.12	29.87	3	Horizontal	269	2.61	23.5	36.60	8.60	34.19				

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2452MHz_TX

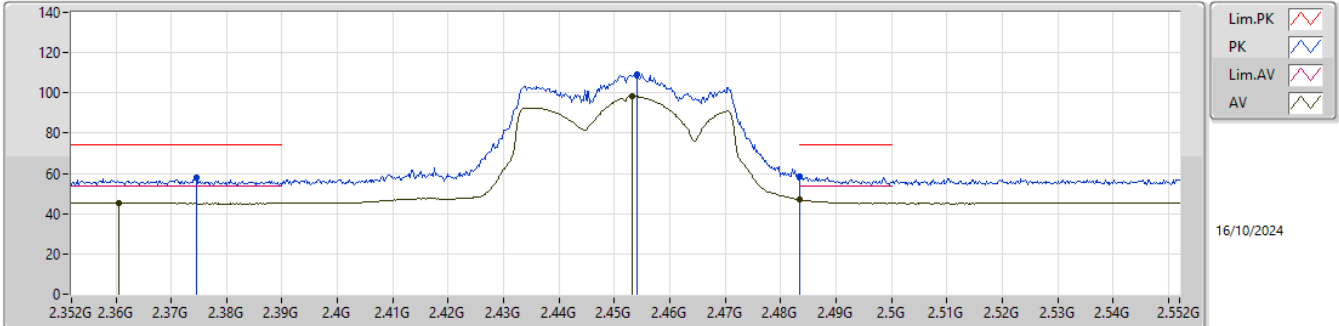


EUT_Z_2TX
SET 23
22.5\25\24\23.5\23
2.87\10.74\4.25\1.37\1.94

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3894G	58.19	74.00	-15.81	25.97	3	Vertical	247	2.95	23	27.60	4.62	-			
AV	2.39G	46.59	54.00	-7.41	14.37	3	Vertical	247	2.95	23	27.60	4.62	-			
PK	2.4514G	118.08	Inf	-Inf	85.87	3	Vertical	247	2.95	23	27.49	4.72	-			
AV	2.451G	107.28	Inf	-Inf	75.07	3	Vertical	247	2.95	23	27.49	4.72	-			
PK	2.486G	68.21	74.00	-5.79	35.97	3	Vertical	247	2.95	23	27.46	4.78	-			
AV	2.4848G	52.06	54.00	-1.94	19.84	3	Vertical	247	2.95	23	27.45	4.77	-			

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2452MHz_TX

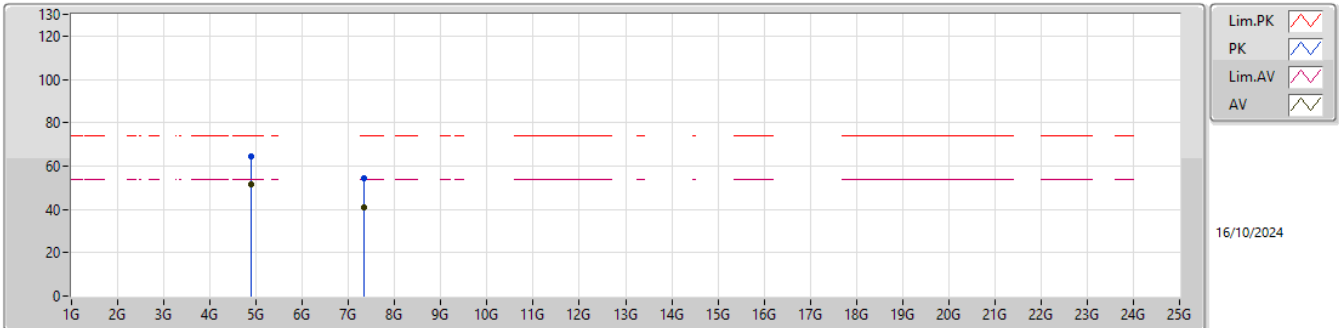


EUT_Z_2TX
SET 23
23
7.23

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3746G	57.93	74.00	-16.07	25.67	3	Horizontal	159	2.31	23	27.65	4.61	-			
AV	2.3606G	45.18	54.00	-8.82	12.79	3	Horizontal	159	2.31	23	27.79	4.60	-			
PK	2.454G	108.99	Inf	-Inf	76.81	3	Horizontal	159	2.31	23	27.46	4.72	-			
AV	2.4532G	98.42	Inf	-Inf	66.23	3	Horizontal	159	2.31	23	27.47	4.72	-			
PK	2.4835G	58.29	74.00	-15.71	26.09	3	Horizontal	159	2.31	23	27.43	4.77	-			
AV	2.4835G	46.77	54.00	-7.23	14.57	3	Horizontal	159	2.31	23	27.43	4.77	-			

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2452MHz_TX

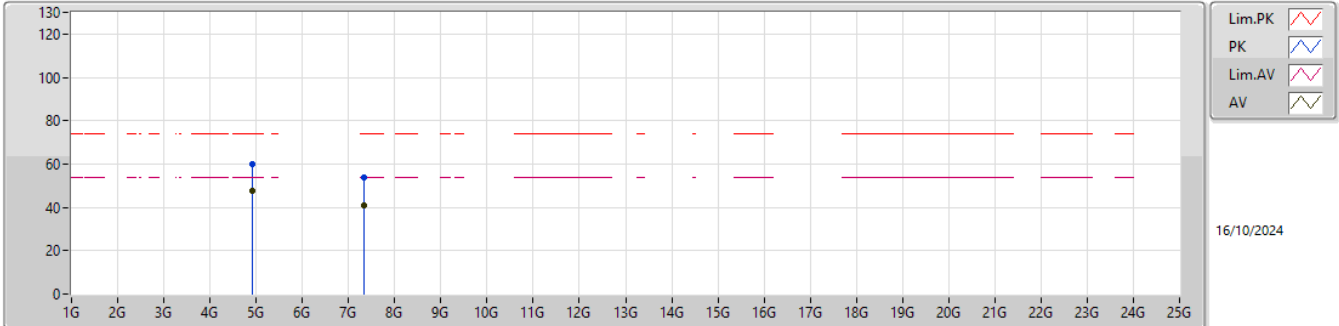


EUT_Z_2TX
SET 23
06-W-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.9004G	64.58	74.00	-9.42	60.69	3	Vertical	355	2.70	23	31.30	6.56	33.97			
AV	4.89992G	51.34	54.00	-2.66	47.46	3	Vertical	355	2.70	23	31.30	6.55	33.97			
PK	7.33786G	54.16	74.00	-19.84	43.15	3	Vertical	242	2.61	23	36.60	8.60	34.19			
AV	7.3385G	41.00	54.00	-13.00	29.99	3	Vertical	242	2.61	23	36.60	8.60	34.19			

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2452MHz_TX



EUT_Z_2TX
SET 23
06-W-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.91551G	60.10	74.00	-13.90	56.15	3	Horizontal	66	2.95	23	31.36	6.56	33.97			
AV	4.91607G	47.55	54.00	-6.45	43.60	3	Horizontal	66	2.95	23	31.36	6.56	33.97			
PK	7.33051G	53.79	74.00	-20.21	42.79	3	Horizontal	0	2.02	23	36.60	8.59	34.19			
AV	7.33738G	40.93	54.00	-13.07	29.92	3	Horizontal	0	2.02	23	36.60	8.60	34.19			