Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	Z8H89FT0087
Equipment	:	X7-53X Wi-Fi 7 Indoor Access Point
Brand Name	:	Cambium Networks
Model Name	:	X7-53X
Applicant	:	Cambium Networks Inc. 3800 Golf Road, Suite 360 Rolling Meadows, IL 60008, USA
Manufacturer	:	Cambium Networks Inc. 3800 Golf Road, Suite 360 Rolling Meadows, IL 60008, USA
Standard	:	47 CFR FCC Part 15.247

The product was received on Jun. 25, 2024, and testing was started from Jul. 03, 2024 and completed on May 21, 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.

Sam Chen
2025.06.11
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Approved by: Sam Chen

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History of this test report

Report No.	Version	Description	Issued Date
FR462417-02AA	01	Initial issue of report	Jun. 11, 2025

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	Data Referencing
3.3	15.247(b)	Maximum Conducted Output Power	PASS	Data Referencing
3.4	15.247(e)	Power Spectral Density	PASS	Data Referencing
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	Data Referencing
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	For below 1GHz: Variant Device / FCC ID: Z8H89FT0087 For above 1GHz: Data Referencing

Data Referencing Statement:
This report references test data from the parent device (Original Sporton Report No.: FR462417AA, FCC ID: Z8H89FT0086).
The variant device (FCC ID: Z8H89FT0087) is electrically identical to the parent device for the portions of the circuitry corresponding to the data referencing.
The differences compared to the parent device are as follows:
1. Remove the hardware of the USB Port.
2. Remove the 5GHz high band and 6GHz radio hardware on Radio 4.
3. Add WLAN 5GHz UNII 4 function on Radio 2
4. Don't support mode 2
The parent device supports modes are below:
Mode 1:
Radio 1: WLAN 2.4GHz
Radio 2: WLAN 5GHz UNII 1~3
Radio 3: Bluetooth or Zigbee
Radio 4: WLAN 6GHz UNII 5~8
Mode 2:
Radio 1: WLAN 2.4GHz
Radio 2: WLAN 5GHz UNII 1~2A
Radio 3: Bluetooth or Zigbee
Radio 4: WLAN 5GHz UNII 2C~4
The details of spot-check testing are at the discretion of the applicant's engineering judgment. Accordingly, only the following items were spot-checked on the worst-case channel identified in the original report, and all results are included in this report:
1. Maximum Conducted Output Power
2. Emissions in Non-restricted Frequency Bands
3. Emissions in Restricted Frequency Bands
The applicant takes full responsibility that the test data as referenced in FCC ID: Z8H89FT0086 represents compliance with the new FCC ID: Z8H89FT0087.

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/manufacturer 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:
1. 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. 2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

Reviewed by: Sam Chen
Report Producer: Wendy Pan

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax (HEW20), 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 (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11be 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 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)	Modes of Operation
1	1	ACCTON	RFMTA202028IMLB901-1	Dipole	I-PEX	Note 1	WLAN 2.4GHz (Radio 1)
2	2	ACCTON	RFMTA202028IMLB901-2	Dipole	I-PEX		WLAN 2.4GHz (Radio 1)
3	1	ACCTON	RFMTA202028IMLB901-3	Dipole	I-PEX		WLAN 5GHz UNII 1-4 (Radio 2)
4	2	ACCTON	RFMTA202028IMLB901-4	Dipole	I-PEX		WLAN 5GHz UNII 1-4 (Radio 2)
5	3	ACCTON	RFMTA202028IMLB901-5	Dipole	I-PEX		WLAN 5GHz UNII 1-4 (Radio 2)
6	4	ACCTON	RFMTA202028IMLB901-6	Dipole	I-PEX		WLAN 5GHz UNII 1-4 (Radio 2)
7	1	ACCTON	GT128V007S-001-1	On board chip	N/A		Bluetooth or Zigbee (Radio 3)

Note 1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz (Radio 1)				
	2.4GHz	2.45GHz	2.4835GHz		
1	5.18	5.54	4.85		
2	4.30	4.91	4.16		
Ant.	WLAN 5GHz UNII 1-4 (Radio 2)				
	5.2GHz	5.3GHz	5.6GHz	5.785GHz	5.885GHz
3	4.53	4.73	5.43	5.95	4.1
4	4.42	4.45	5.71	4.41	4.4
5	4.41	4.77	3.91	3.44	3.28
6	4.30	4.6	3.73	4.00	4.35
Bluetooth or Zigbee (Radio 3)					
7	4.3				

Item	Directional Gain (dBi)				
	WLAN 2.4GHz (Radio 1)				
	2.4GHz	2.45GHz	2.4835GHz		
2T1S	6.91	6.86	6.04		
2T2S	5.18	5.54	4.85		
Item	WLAN 5GHz UNII 1-4 (Radio 2)				
	5.2GHz	5.3GHz	5.6GHz	5.785GHz	5.885GHz
4T1S	8.62	9.31	9.18	8.43	8.05
4T2S	5.62	6.31	6.18	5.95	5.05
4T4S	4.53	4.77	5.71	5.95	4.4

Note 2: The above information (excepting Ant. 1-6 antenna gain and directional gain) was declared by manufacturer.

Note 3: Radio 1~2: Maximum Directional Gain following KDB662911 D03.

For Radio 1:

For 2.4GHz IEEE 802.11b/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 Radio 2:

For 5GHz (UNII 1-4) IEEE 802.11a/n/ac/ax/be mode (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Radio 3:

For Bluetooth or Zigbee 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	0.866	0.62	688.75u	2k
802.11g	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20	0.977	0.1	5.453m	200
802.11be EHT20-BF	0.977	0.1	5.453m	200
802.11be EHT40	0.973	0.12	5.453m	200
802.11be EHT40-BF	0.973	0.12	5.453m	200

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	Power from PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for Radio 1 (n/VHT/ax/be in 2.4GHz) and Radio 2 (n/ac/ax/be in 5GHz)			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	V6.00.00164.3			

Note: The above information was declared by manufacturer.

1.1.5 Table for Radio function

Function / Radio	WLAN 2.4GHz	WLAN 5GHz	Bluetooth	Zigbee
1	V	-	-	-
2	-	V (UNII 1-4)	-	-
3	-	-	V	V

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT Operation Function

Mode	Operation Function
1	R1: 2.4GHz + R2: 5GHz + R3: Bluetooth
2	R1: 2.4GHz + R2: 5GHz + R3: Zigbee

Note1: The R means Radio.

Note2: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	KJ Chang	22.8~24.8 / 61~63	Jul. 03, 2024~ Dec. 30, 2024
Radiated (Below 1GHz)	03CH06-CB	Viola Huang	22.5-22.9 / 58-60	Apr. 30, 2025
Radiated (Above 1GHz)	03CH01-CB	Gordon Hung	21.7-23 / 54-58	Dec. 07, 2024~ Jan. 06, 2025
AC Conduction	CO01-CB	Joe Chu	21~22 / 52~53	Dec. 25, 2024
Spot Check	TH02-CB	Chris Li	23.4~24.2 / 61~65	May 06, 2025
	03CH06-CB	Viola Huang	22.5-22.9 / 58-60	Apr. 11, 2025~ May 21, 2025

Note: The tested sample for AC Conduction, Radiated (Below 1GHz) and Spot Check tests was received on Dec. 25, 2024.

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 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 covers HT20 / HT40 / VHT20 / VHT40 / HEW20 / HEW40 due to similar modulation. The power setting for HT20 / HT40 / VHT20 / VHT40 / HEW20 / HEW40 is the same or lower than EHT20 / EHT40.
- The EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been selected to execute all tests. The beamforming mode evaluates the output power only.

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_R1: 2.4GHz + R2: 5GHz + R3: Bluetooth + PoE
2	EUT_R1: 2.4GHz + R2: 5GHz + R3: Zigbee(TX) + PoE
3	EUT_R1: 2.4GHz + R2: 5GHz + R3: Zigbee(RX) + PoE
For operating mode 3 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
	1. After evaluating, EUT in Z axis was the worst case for Bluetooth and Y axis for others from radiated emission above 1GHz, so the measurement will follow this same test configuration. 2. The EUT was performed Radio 1~3 test and the worst case was found at Radio 1. Thus, the measurement will follow this same test configuration.
1	EUT in Y axis + R1: 2.4GHz + PoE
Operating Mode > 1GHz	CTX
	After evaluating, the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	R1: 2.4GHz + R2: 5GHz + R3: Bluetooth
2	R1: 2.4GHz + R2: 5GHz + R3: Zigbee
Refer to Sporton Test Report No.: FA462417-02 for Co-location RF Exposure Evaluation.	

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

Power	Brand	Model
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
Wall-mounted rack 1*1
Wall-mounted rack 2*1

2.5 Support Equipment

For AC Conduction:

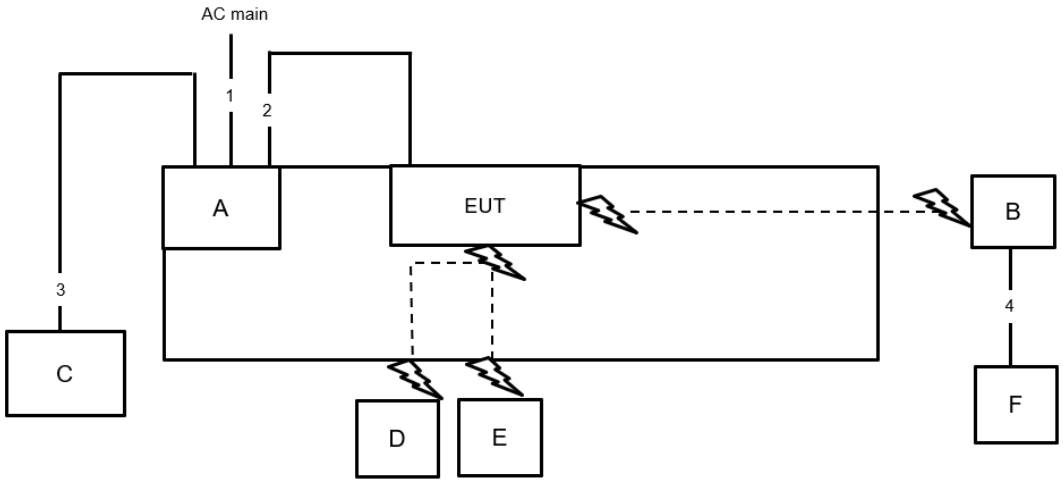
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	Cambium	NET-P30-56IN	N/A
B	Zigbee device	Cambium	X7-53X	Z8H89FT0087
C	LAN PC	ASUS	S300TA	TX2-RTL8821C
D	2.4G NB	DELL	E6430	N/A
E	5G NB	DELL	E6430	N/A
F	Zigbee device PC	ASUS	S300TA	TX2-RTL8821C

For Radiated, RF Conducted and Spot check:

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

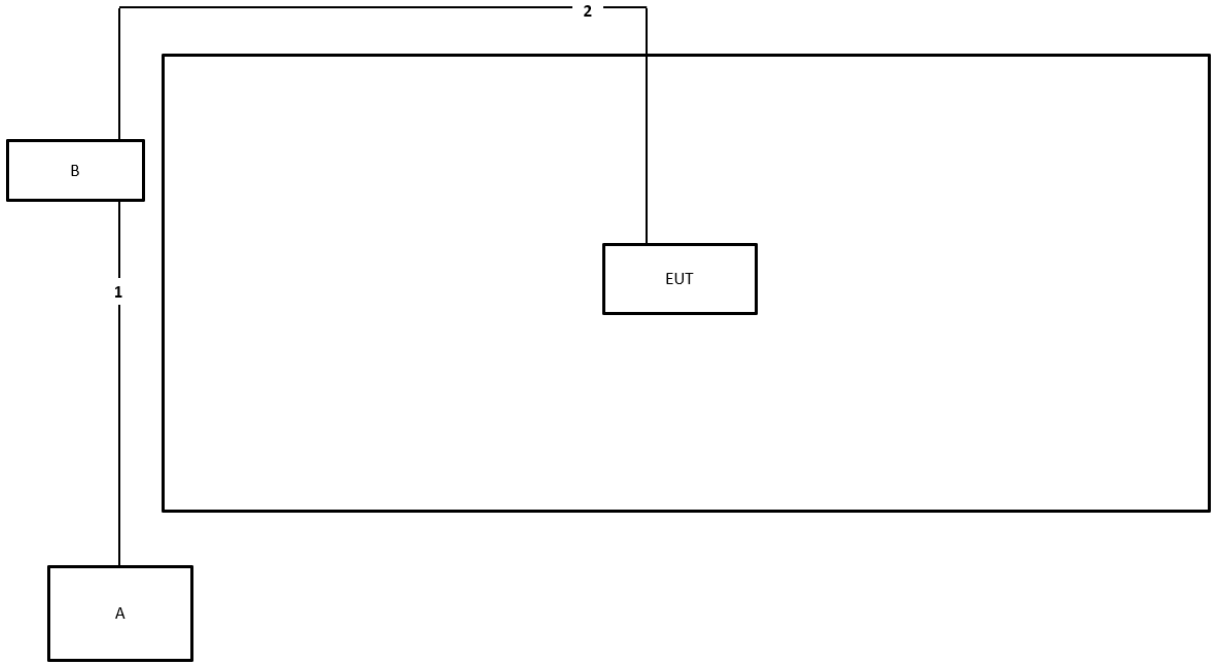
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power Cable	No	1.2m
2	RJ-45 cable	No	1m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test



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

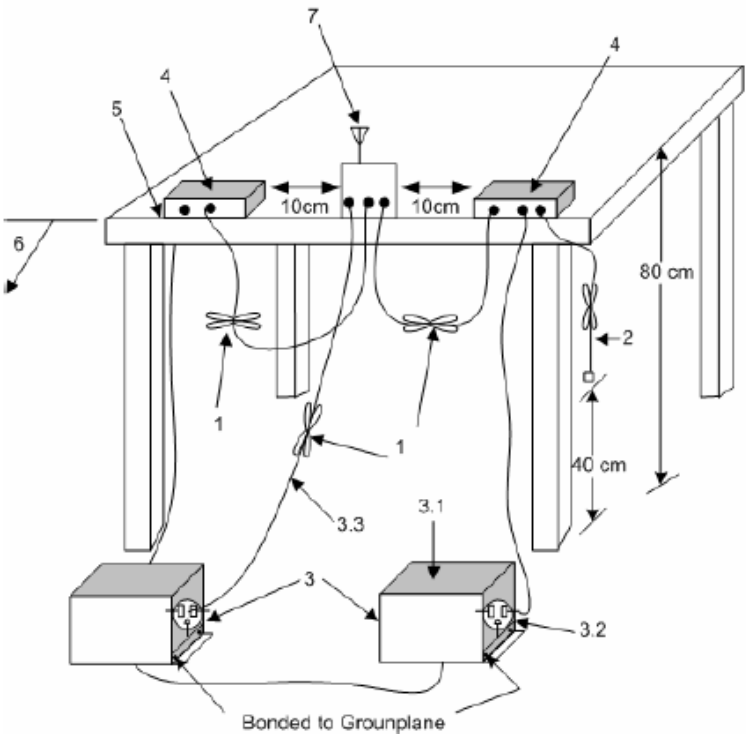
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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 ≥ 500 kHz.

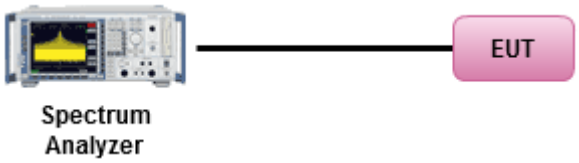
3.2.2 Measuring Instruments

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

Emission Bandwidth


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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)

3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

3.4.2 Measuring Instruments

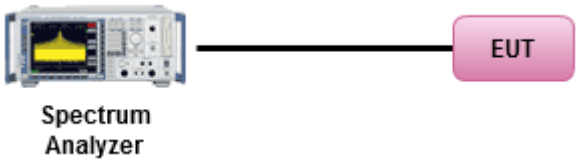
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density



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

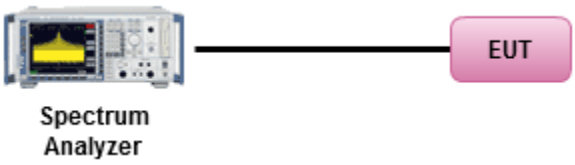
Refer a test equipment and calibration data table in this test report.

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

Emissions in Non-restricted Frequency Bands



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.

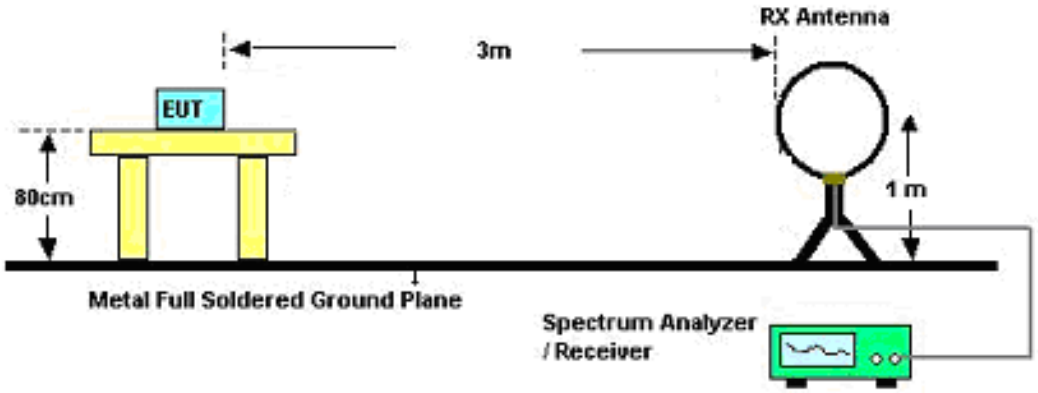
3.6.3 Test Procedures

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 ≥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≥1/T).
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 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.	

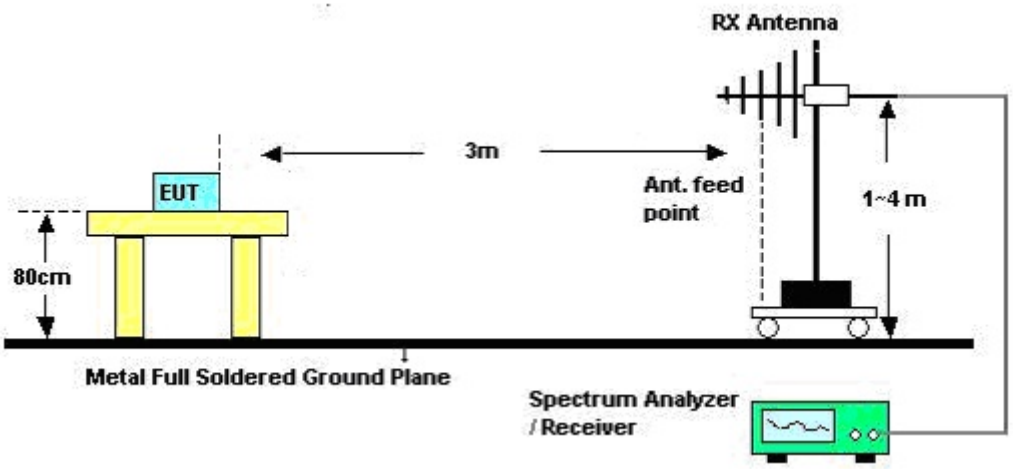
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

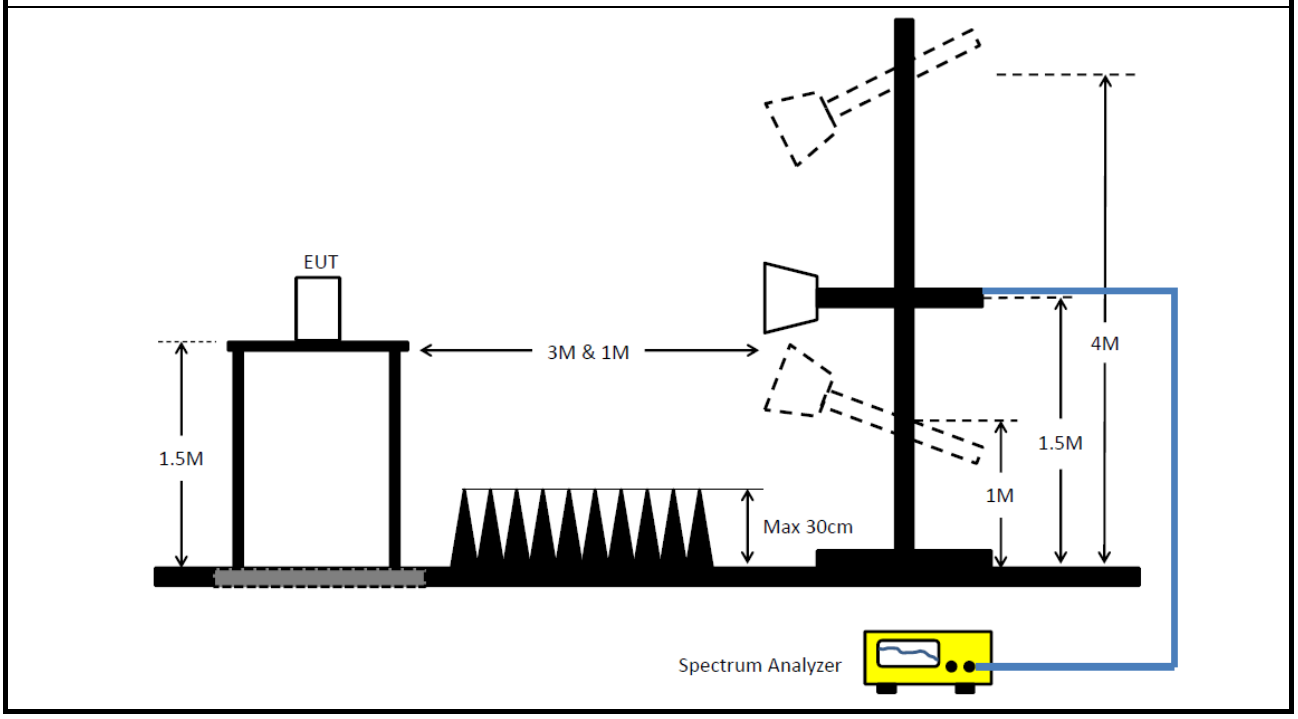
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 01, 2024	Feb. 28, 2025	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 19, 2024	Feb. 18, 2025	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 24, 2024	Apr. 23, 2025	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 02, 2024	Aug. 01, 2025	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 08, 2024	Oct. 07, 2025	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 02, 2024	Nov. 01, 2025	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 20, 2024	Aug. 19, 2025	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-05+68	30MHz~1GHz	Oct. 24, 2024	Oct. 23, 2025	Radiation (03CH06-CB)
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)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE-15247 _DTS	V5.11.23	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 04, 2024	May 03, 2025	Radiation (03CH01-CB)
Horn Antenna	ETS·Lindgren	3115	00143147	750MHz~18GHz	Oct. 18, 2024	Oct. 17, 2025	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 17, 2024	May 16, 2025	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2024	Apr. 25, 2025	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-15247 _DTS	V5.11.23	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Jun. 11, 2024	Jun. 10, 2025	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 19, 2023	Oct. 18, 2024	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 18, 2024	Oct. 17, 2025	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 19, 2023	Oct. 18, 2024	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 18, 2024	Oct. 17, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)

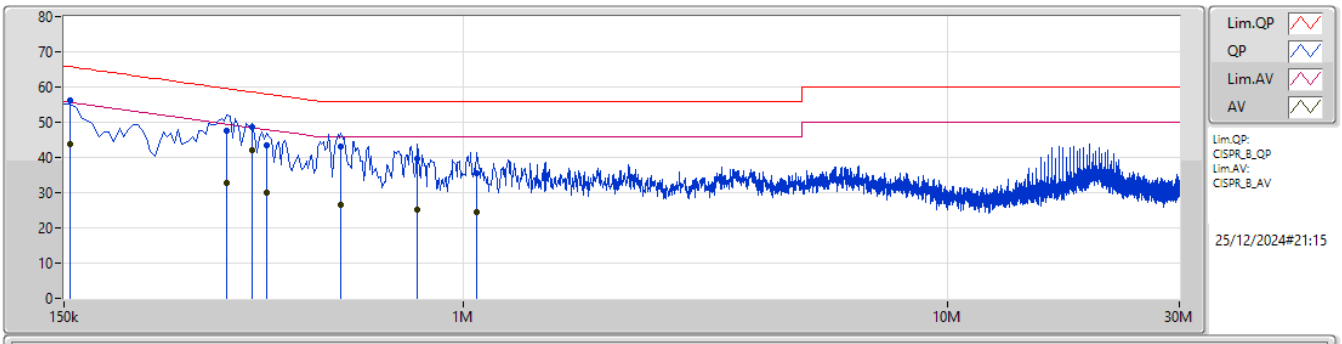
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 –26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1–18 GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH02-CB)
Test Software	SPORTON	SENSE-15247 _DTS	V5.11.23	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Conducted (TH02-CB)

Note: Calibration Interval of instruments listed above is one year.
N.C.R. means Non-Calibration required.

Summary

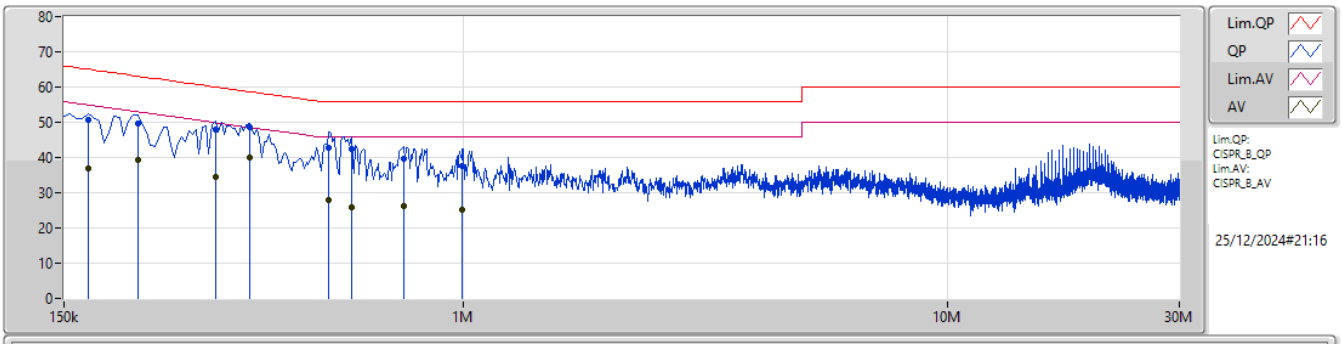
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 3	Pass	AV	366k	42.05	48.60	-6.55	Line

Mode 3



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	56.33	65.75	-9.42	10.04	Line	-	46.29	0.04	0.08	9.92
AV	154.5k	43.89	55.75	-11.86	10.04	Line	-	33.85	0.04	0.08	9.92
QP	325.5k	47.69	59.56	-11.87	10.17	Line	-	37.52	0.05	0.09	10.03
AV	325.5k	32.82	49.56	-16.74	10.17	Line	-	22.65	0.05	0.09	10.03
QP	366k	48.74	58.60	-9.86	10.20	Line	-	38.54	0.05	0.10	10.05
AV	366k	42.05	48.60	-6.55	10.20	Line	"Worst"	31.85	0.05	0.10	10.05
QP	393k	43.35	58.01	-14.66	10.21	Line	-	33.14	0.05	0.10	10.06
AV	393k	30.06	48.01	-17.95	10.21	Line	-	19.85	0.05	0.10	10.06
QP	559.5k	43.15	56.00	-12.85	10.26	Line	-	32.89	0.06	0.10	10.10
AV	559.5k	26.69	46.00	-19.31	10.26	Line	-	16.43	0.06	0.10	10.10
QP	802.5k	39.69	56.00	-16.31	10.30	Line	-	29.39	0.07	0.09	10.14
AV	802.5k	25.21	46.00	-20.79	10.30	Line	-	14.91	0.07	0.09	10.14
QP	1.068M	35.47	56.00	-20.53	10.30	Line	-	25.17	0.07	0.09	10.14
AV	1.068M	24.40	46.00	-21.60	10.30	Line	-	14.10	0.07	0.09	10.14

Mode 3



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	168k	50.79	65.06	-14.27	10.07	Neutral	-	40.72	0.06	0.08	9.93
AV	168k	36.85	55.06	-18.21	10.07	Neutral	-	26.78	0.06	0.08	9.93
QP	213k	49.78	63.09	-13.31	10.09	Neutral	-	39.69	0.06	0.07	9.96
AV	213k	39.29	53.09	-13.80	10.09	Neutral	-	29.20	0.06	0.07	9.96
QP	307.5k	47.99	60.03	-12.04	10.17	Neutral	-	37.82	0.06	0.09	10.02
AV	307.5k	34.63	50.03	-15.40	10.17	Neutral	-	24.46	0.06	0.09	10.02
QP	361.5k	48.47	58.70	-10.23	10.20	Neutral	-	38.27	0.06	0.10	10.04
AV	361.5k	39.95	48.70	-8.75	10.20	Neutral	"Worst"	29.75	0.06	0.10	10.04
QP	528k	42.78	56.00	-13.22	10.26	Neutral	-	32.52	0.07	0.10	10.09
AV	528k	27.87	46.00	-18.13	10.26	Neutral	-	17.61	0.07	0.10	10.09
QP	586.5k	42.37	56.00	-13.63	10.27	Neutral	-	32.10	0.07	0.10	10.10
AV	586.5k	25.79	46.00	-20.21	10.27	Neutral	-	15.52	0.07	0.10	10.10
QP	753k	39.60	56.00	-16.40	10.29	Neutral	-	29.31	0.07	0.09	10.13
AV	753k	26.34	46.00	-19.66	10.29	Neutral	-	16.05	0.07	0.09	10.13
QP	996k	37.42	56.00	-18.58	10.33	Neutral	-	27.09	0.08	0.09	10.16
AV	996k	25.07	46.00	-20.93	10.33	Neutral	-	14.74	0.08	0.09	10.16

Summary

Mode	Max-N dB	Max-OBW	ITU-Code	Min-N dB	Min-OBW
	(Hz)	(Hz)		(Hz)	(Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.025M	13.373M	13M4G1D	5.825M	13.163M
802.11g_Nss1,(6Mbps)_2TX	16.45M	16.822M	16M8D1D	16.325M	16.492M
802.11be EHT20_Nss1,(MCS0)_2TX	19.05M	18.991M	19M0D1D	19M	18.866M
802.11be EHT40_Nss1,(MCS0)_2TX	38.2M	37.931M	37M9D1D	37.95M	37.731M

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

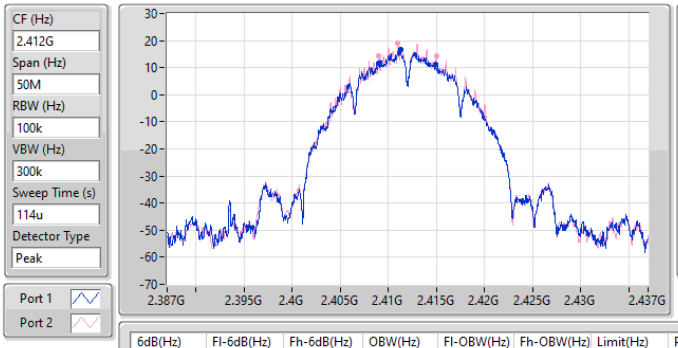
Mode	Result	Limit	Port 1-N dB	Port 1-OBW	Port 2-N dB	Port 2-OBW
		(Hz)	(Hz)	(Hz)	(Hz)	(Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	5.95M	13.238M	6.05M	13.283M
2437MHz	Pass	500k	5.825M	13.343M	7.025M	13.373M
2462MHz	Pass	500k	6.95M	13.163M	7M	13.208M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.45M	16.734M	16.375M	16.646M
2437MHz	Pass	500k	16.45M	16.58M	16.425M	16.734M
2462MHz	Pass	500k	16.375M	16.822M	16.325M	16.492M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.05M	18.866M	19.05M	18.866M
2437MHz	Pass	500k	19M	18.991M	19M	18.941M
2462MHz	Pass	500k	19.05M	18.891M	19.025M	18.941M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	38.2M	37.931M	38.2M	37.881M
2437MHz	Pass	500k	38.15M	37.881M	38.2M	37.931M
2452MHz	Pass	500k	37.95M	37.731M	38.1M	37.781M

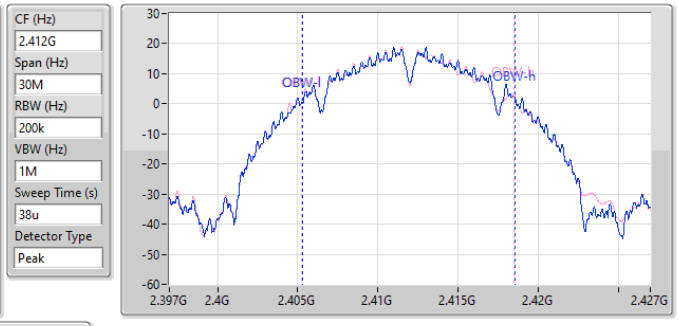
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

2412MHz

30/12/2024



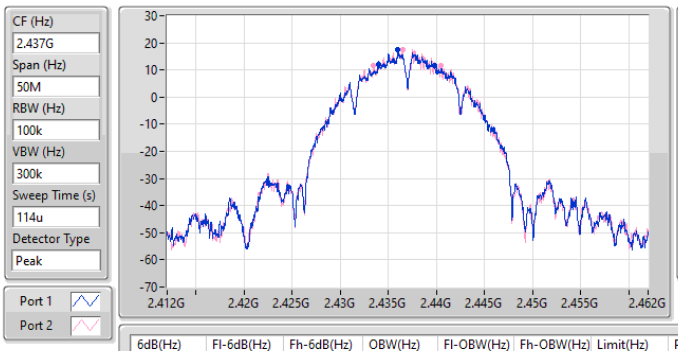


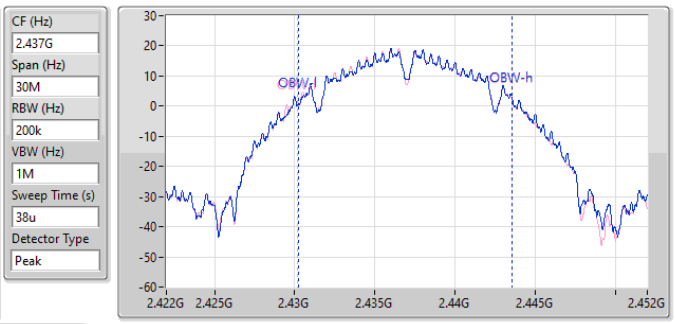
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
5.95M	2.40895G	2.4149G	13.238M	2.405298G	2.418537G	500k	1
6.05M	2.408975G	2.415025G	13.283M	2.405223G	2.418507G	500k	2

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

2437MHz

30/12/2024



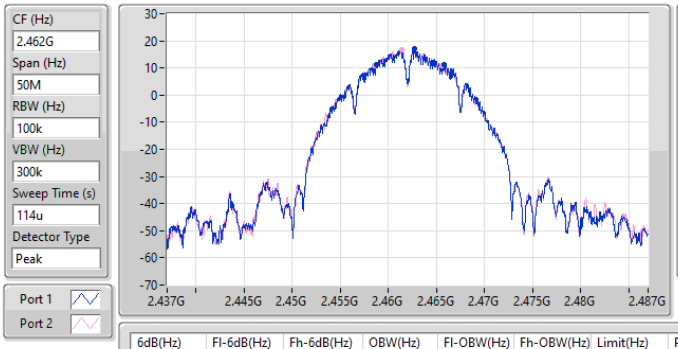


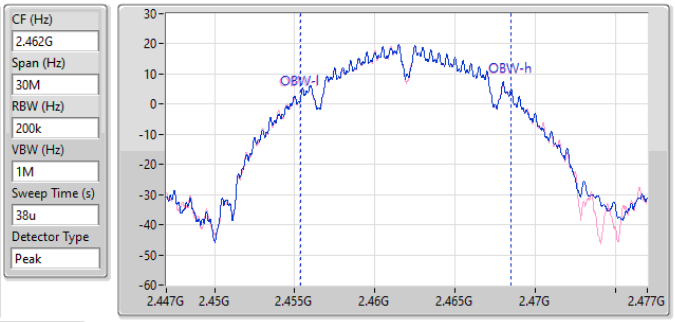
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
5.825M	2.43395G	2.439775G	13.343M	2.430238G	2.443582G	500k	1
7.025M	2.433475G	2.4405G	13.373M	2.430178G	2.443552G	500k	2

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

2462MHz

30/12/2024



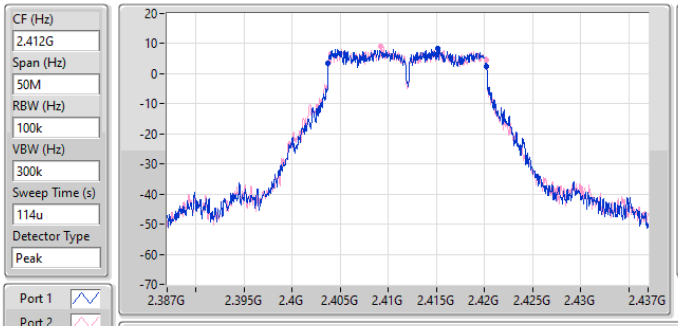


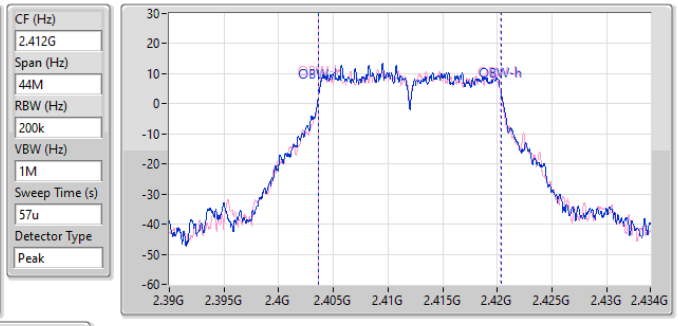
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.95M	2.4588G	2.46575G	13.163M	2.455343G	2.468507G	500k	1
7M	2.458525G	2.465525G	13.208M	2.455313G	2.468522G	500k	2

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

2412MHz

30/12/2024



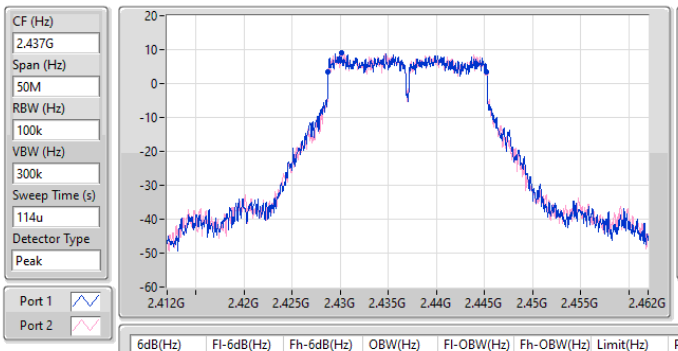


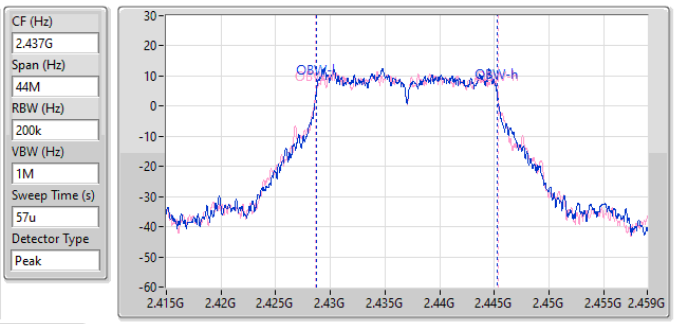
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.45M	2.40375G	2.4202G	16.734M	2.403644G	2.420378G	500k	1
16.375M	2.4038G	2.420175G	16.646M	2.403666G	2.420312G	500k	2

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

2437MHz

30/12/2024



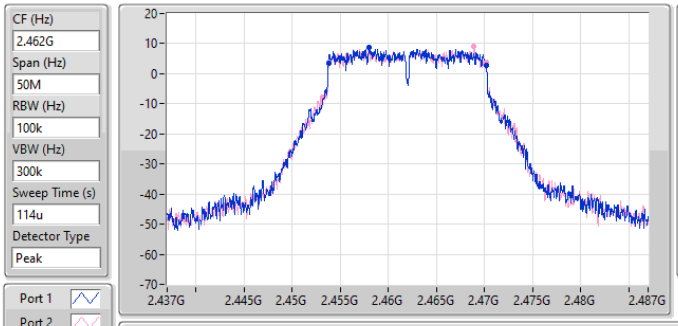


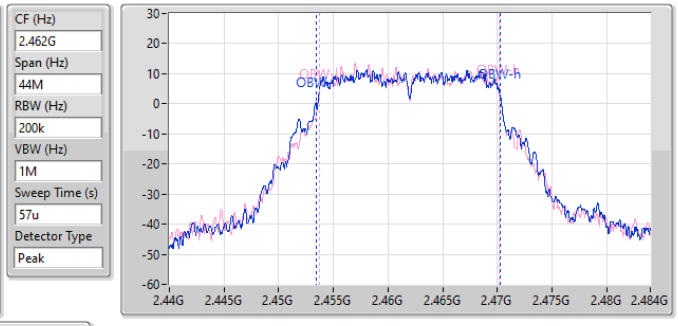
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.45M	2.42875G	2.4452G	16.58M	2.42871G	2.44529G	500k	1
16.425M	2.4288G	2.445225G	16.734M	2.428622G	2.445356G	500k	2

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

2462MHz

30/12/2024



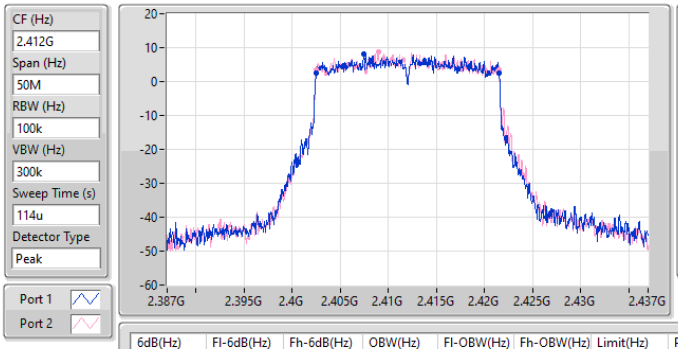


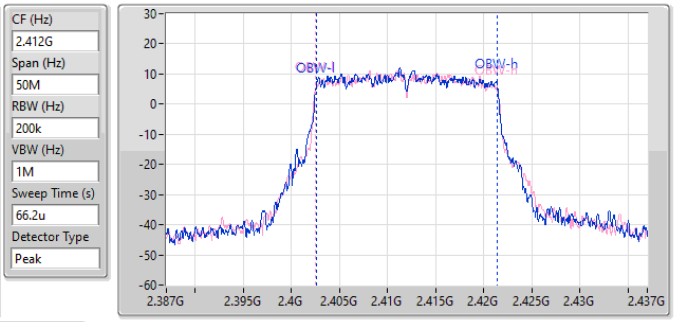
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	2.4538G	2.470175G	16.822M	2.453424G	2.470246G	500k	1
16.325M	2.453825G	2.47015G	16.492M	2.45371G	2.470202G	500k	2

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

2412MHz

30/12/2024



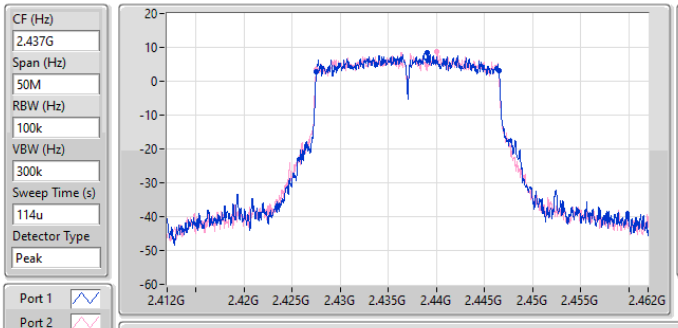


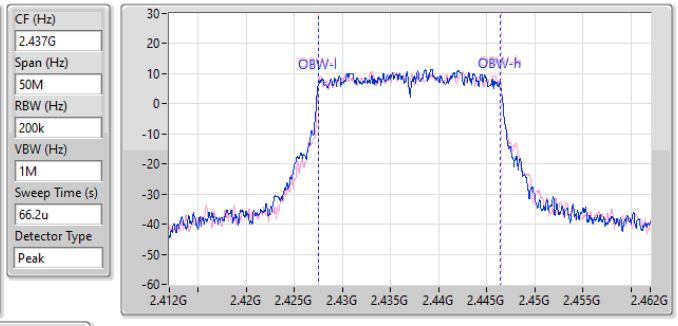
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	2.402475G	2.421525G	18.866M	2.402555G	2.42142G	500k	1
19.05M	2.40245G	2.4215G	18.866M	2.40253G	2.421395G	500k	2

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

2437MHz

30/12/2024



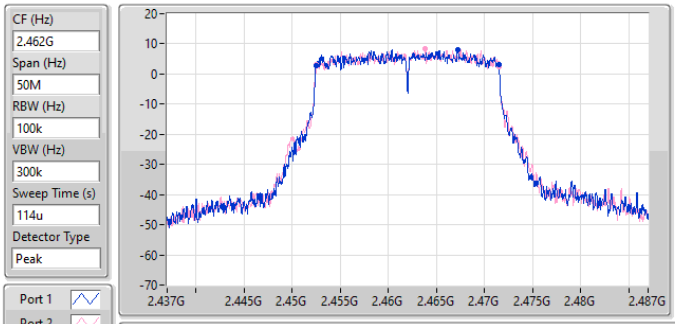


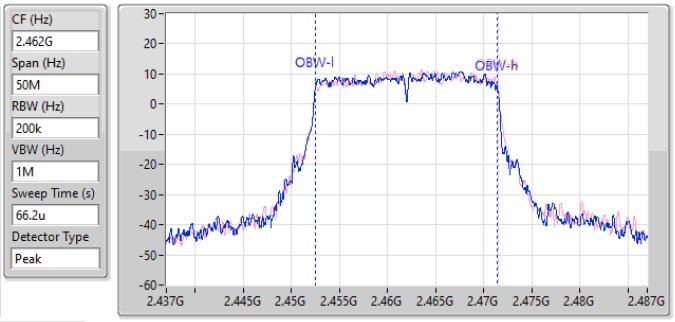
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.4275G	2.4465G	18.991M	2.427455G	2.446445G	500k	1
19M	2.427475G	2.446475G	18.941M	2.42753G	2.44647G	500k	2

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

2462MHz

30/12/2024



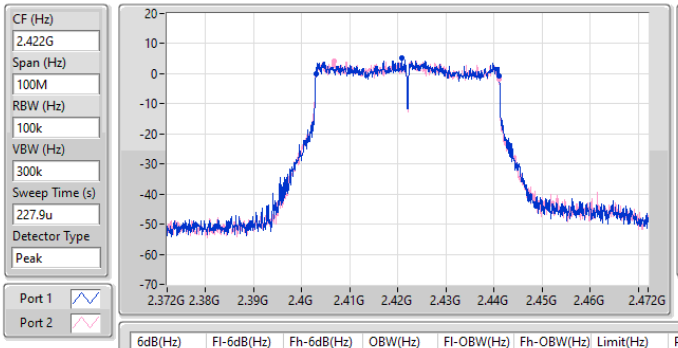


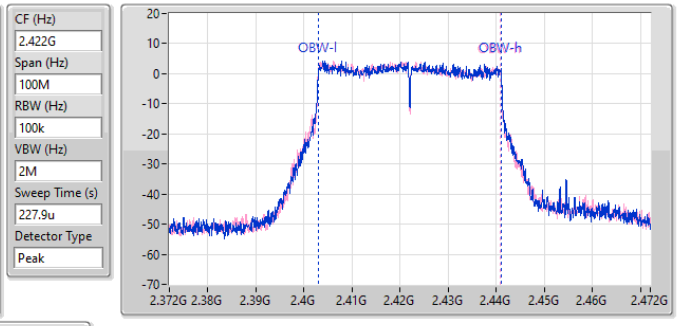
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	2.45245G	2.4715G	18.891M	2.452505G	2.471395G	500k	1
19.025M	2.4525G	2.471525G	18.941M	2.45253G	2.47147G	500k	2

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

2422MHz

30/12/2024



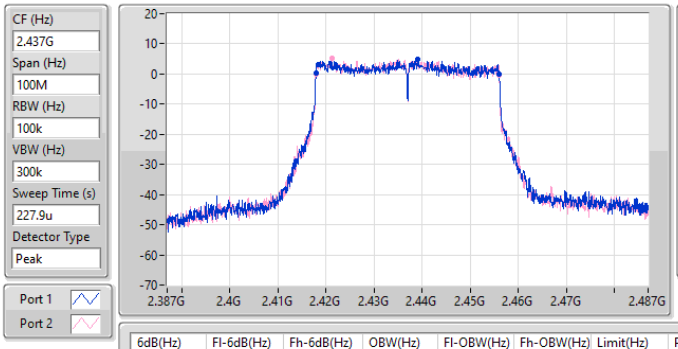


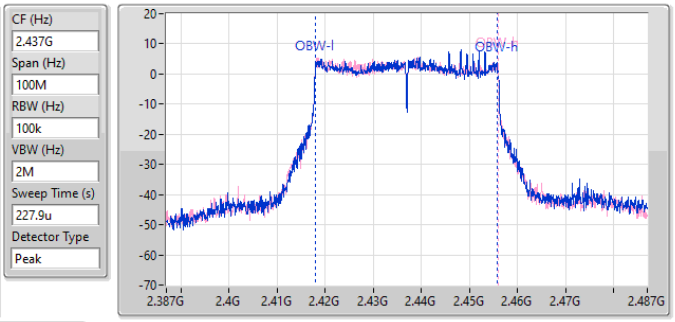
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.2M	2.4029G	2.4411G	37.931M	2.403009G	2.440941G	500k	1
38.2M	2.4029G	2.4411G	37.881M	2.403009G	2.440891G	500k	2

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

2437MHz

30/12/2024



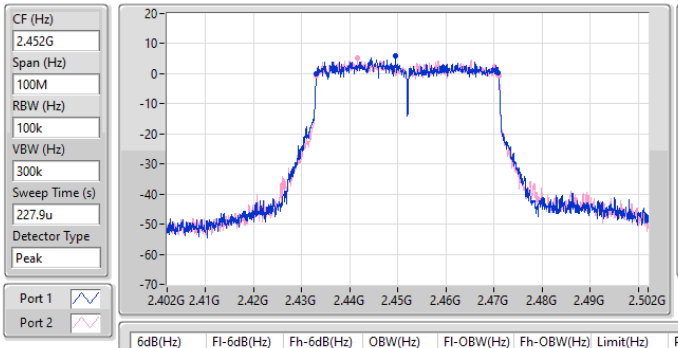


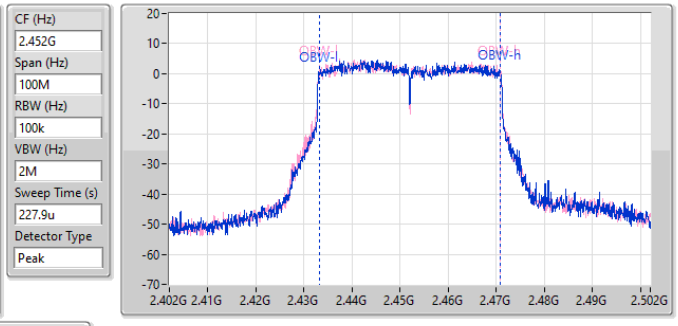
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.15M	2.4179G	2.45605G	37.881M	2.418009G	2.455891G	500k	1
38.2M	2.4179G	2.4561G	37.931M	2.418009G	2.455941G	500k	2

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

2452MHz

30/12/2024





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.95M	2.43295G	2.4709G	37.731M	2.433109G	2.470841G	500k	1
38.1M	2.43295G	2.47105G	37.781M	2.433109G	2.470891G	500k	2

Summary

Mode	Total Power	Total Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.78	0.95060
802.11g_Nss1,(6Mbps)_2TX	25.99	0.39719
802.11be EHT20_Nss1,(MCS0)_2TX	25.73	0.37411
802.11be EHT20-BF_Nss1,(MCS0)_2TX	25.73	0.37411
802.11be EHT40_Nss1,(MCS0)_2TX	25.38	0.34514
802.11be EHT40-BF_Nss1,(MCS0)_2TX	25.38	0.34514

Result

Mode	Result	DG	Port 1	Port 2	Total Power	Power Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.54	26.01	25.96	29.00	30.00
2437MHz	Pass	5.54	26.52	26.5	29.52	30.00
2462MHz	Pass	5.54	26.8	26.73	29.78	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.54	22.72	22.7	25.72	30.00
2437MHz	Pass	5.54	22.98	22.98	25.99	30.00
2462MHz	Pass	5.54	22.67	22.66	25.68	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.54	22.5	22.48	25.50	30.00
2437MHz	Pass	5.54	22.74	22.69	25.73	30.00
2462MHz	Pass	5.54	22.07	22.51	25.31	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.54	21.55	21.56	24.57	30.00
2437MHz	Pass	5.54	22.33	22.41	25.38	30.00
2452MHz	Pass	5.54	21.83	21.75	24.80	30.00
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.91	22.5	22.48	25.50	29.09
2437MHz	Pass	6.91	22.74	22.69	25.73	29.09
2462MHz	Pass	6.91	22.07	22.51	25.31	29.09
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.91	21.55	21.56	24.57	29.09
2437MHz	Pass	6.91	22.33	22.41	25.38	29.09
2452MHz	Pass	6.91	21.83	21.75	24.80	29.09

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	6.44
802.11g_Nss1,(6Mbps)_2TX	-2.40
802.11be EHT20_Nss1,(MCS0)_2TX	-0.91
802.11be EHT40_Nss1,(MCS0)_2TX	-3.45

RBW = 3kHz;

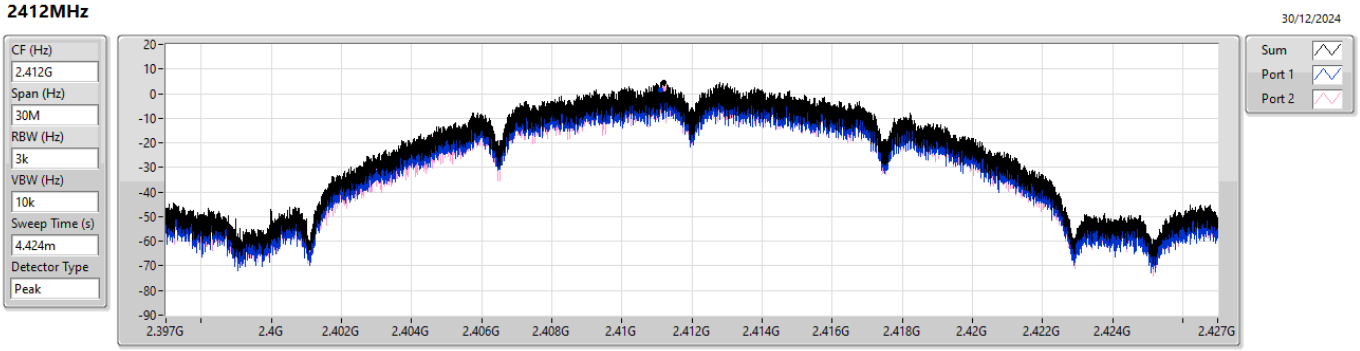
Result

Mode	Result	DG	Port 1	Port 2	PD	PD Limit
		(dBi)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.91	1.72	1.77	4.69	7.09
2437MHz	Pass	6.91	2.20	2.82	5.53	7.09
2462MHz	Pass	6.91	3.39	3.46	6.44	7.09
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.91	-5.00	-3.92	-2.73	7.09
2437MHz	Pass	6.91	-4.14	-4.58	-2.55	7.09
2462MHz	Pass	6.91	-3.77	-3.96	-2.40	7.09
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.91	-2.87	-2.90	-1.52	7.09
2437MHz	Pass	6.91	-3.55	-4.16	-0.91	7.09
2462MHz	Pass	6.91	-2.66	-4.42	-1.46	7.09
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.91	-7.43	-7.18	-4.62	7.09
2437MHz	Pass	6.91	-5.00	-5.82	-3.45	7.09
2452MHz	Pass	6.91	-6.43	-7.10	-4.64	7.09

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**

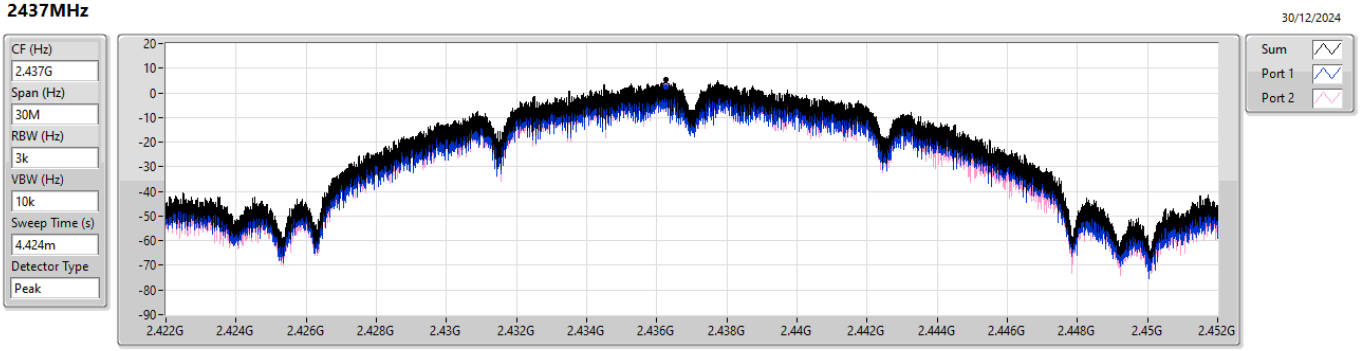
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.69	4.69	1.72	1.77

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

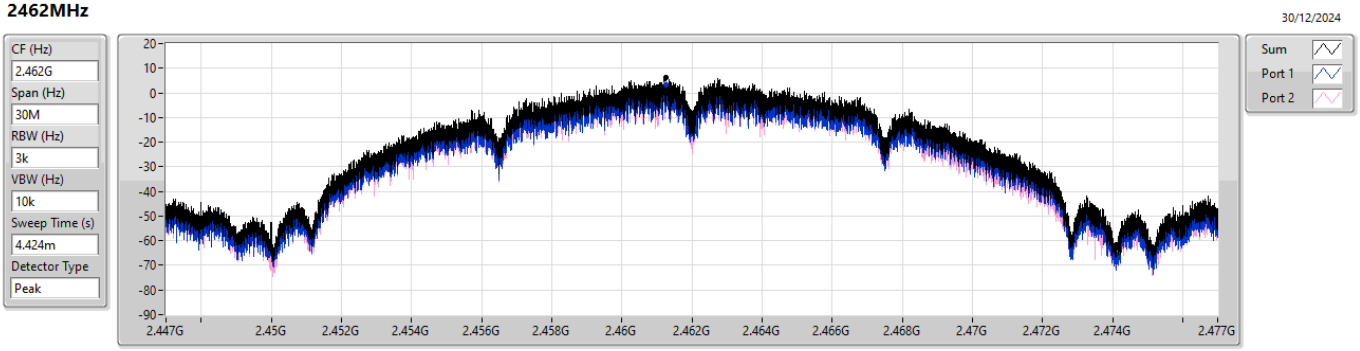
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.53	5.53	2.20	2.82

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

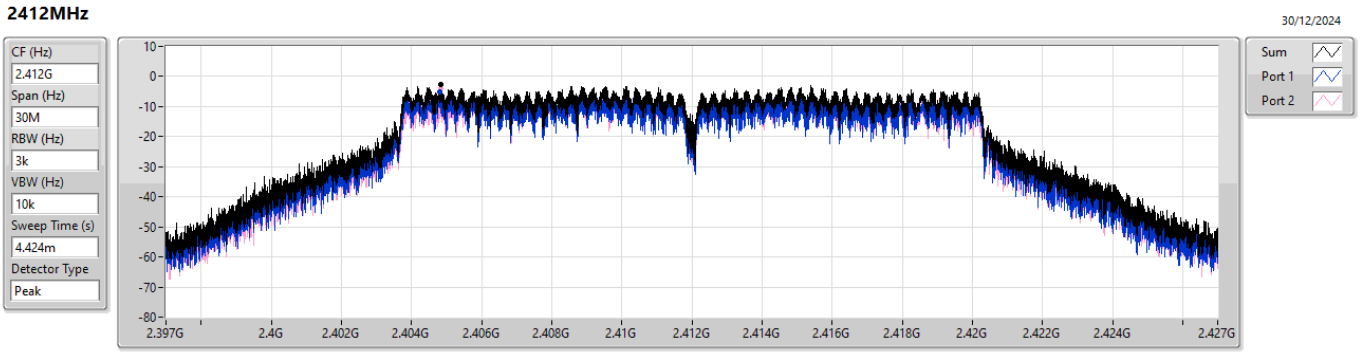
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.44	6.44	3.39	3.46

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

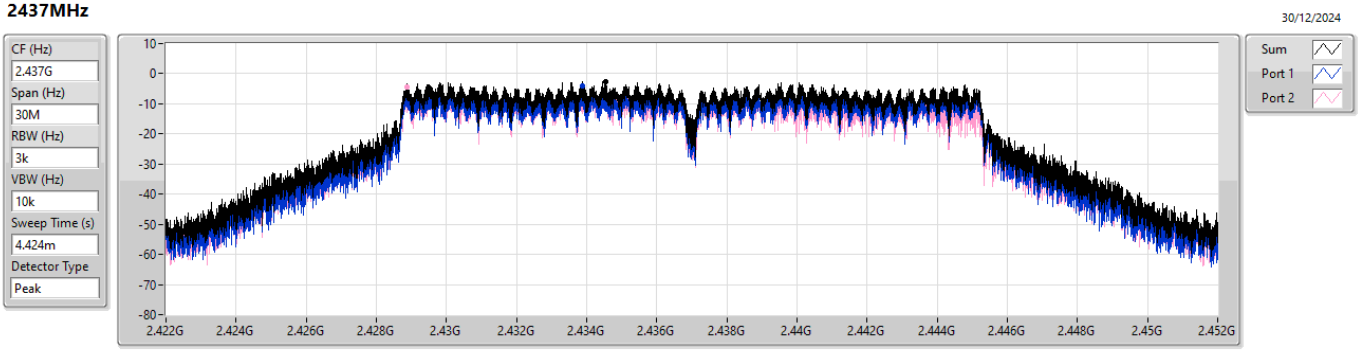
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.73	-2.73	-5.00	-3.92

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

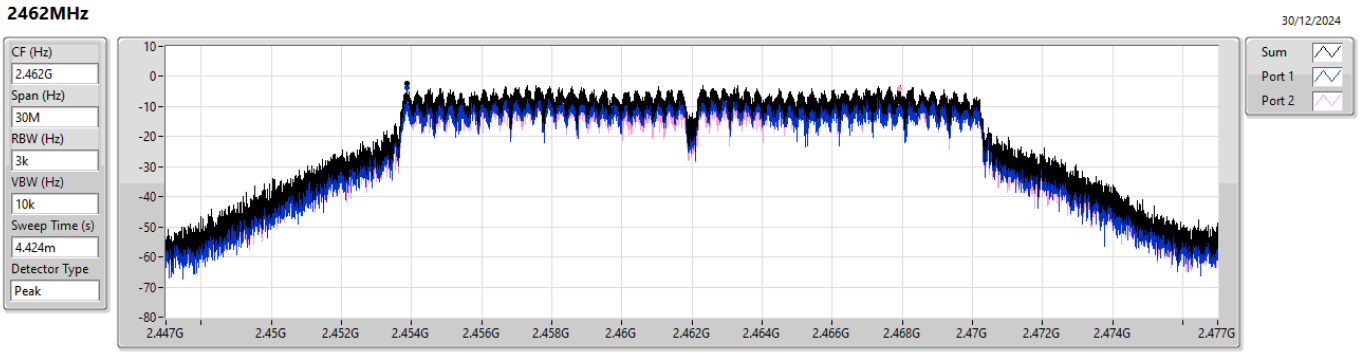
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.55	-2.55	-4.14	-4.58

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

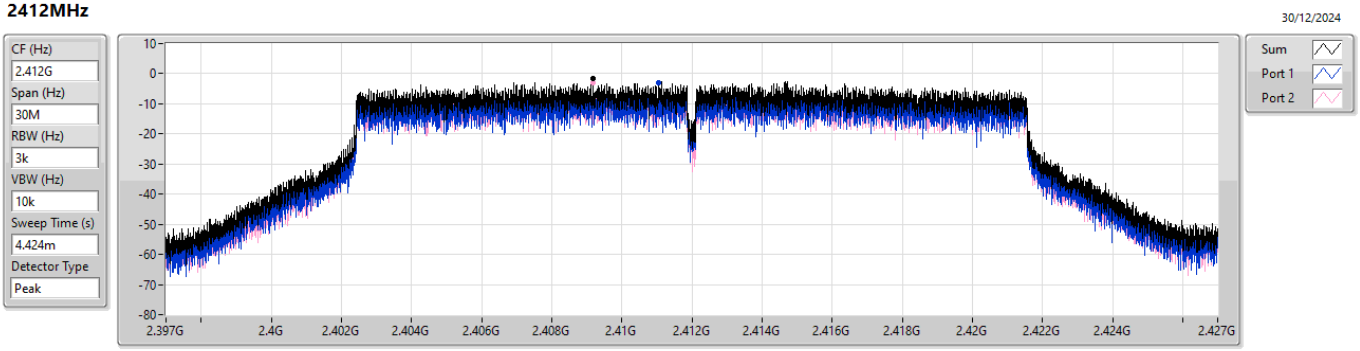
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.40	-2.40	-3.77	-3.96

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

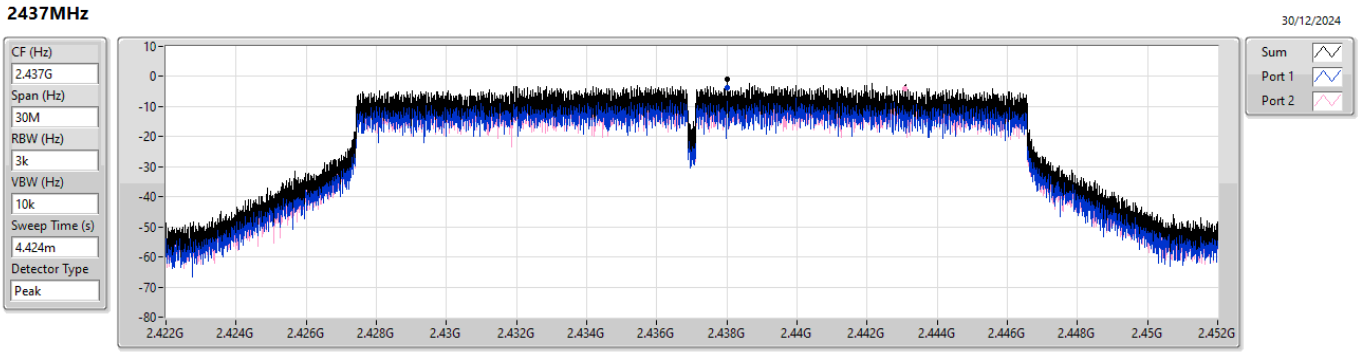
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.52	-1.52	-2.87	-2.90

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

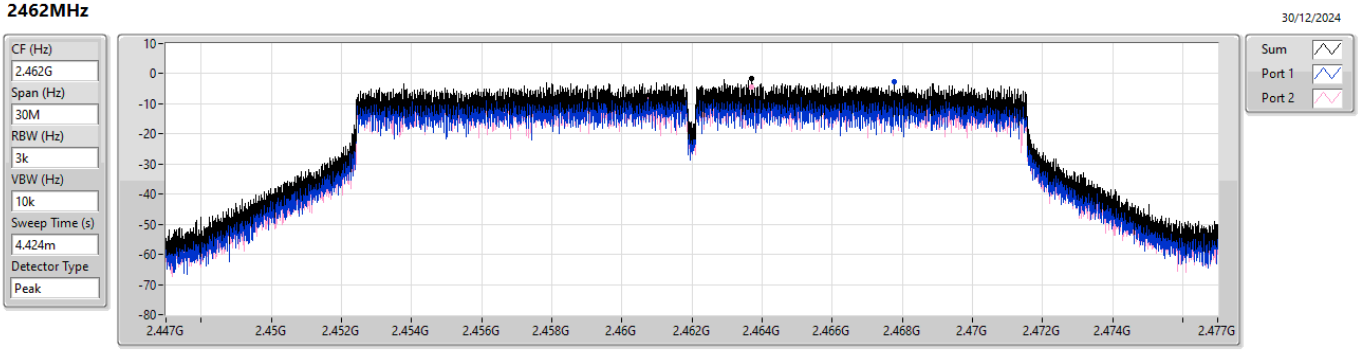
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.91	-0.91	-3.55	-4.16

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

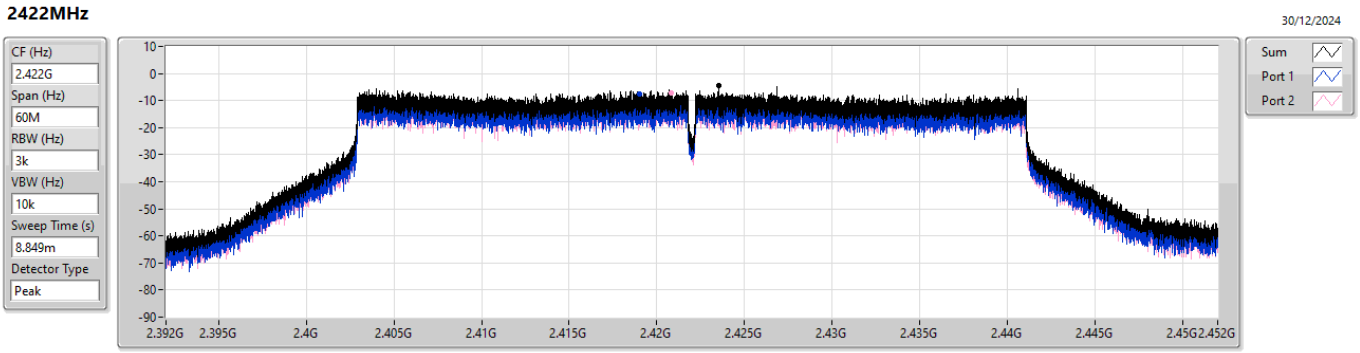
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.46	-1.46	-2.66	-4.42

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

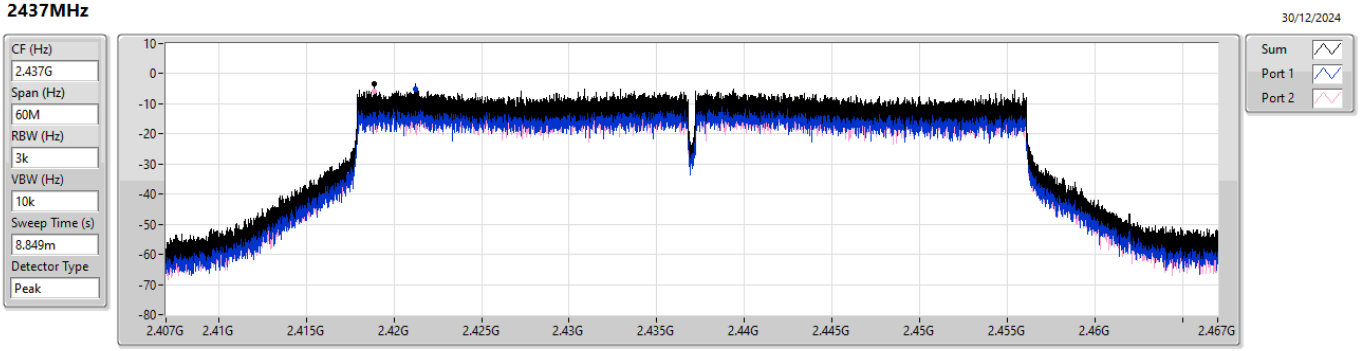
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.62	-4.62	-7.43	-7.18

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

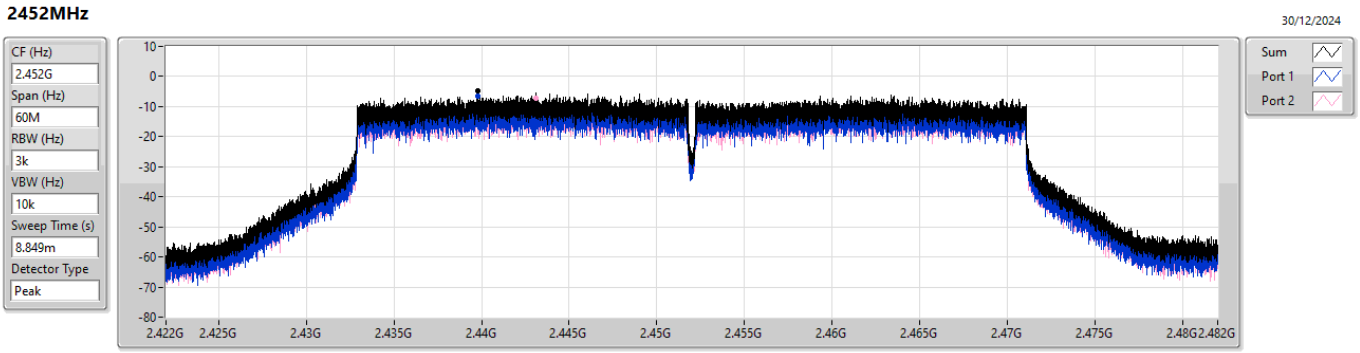
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.45	-3.45	-5.00	-5.82

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

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.64	-4.64	-6.43	-7.10

Summary

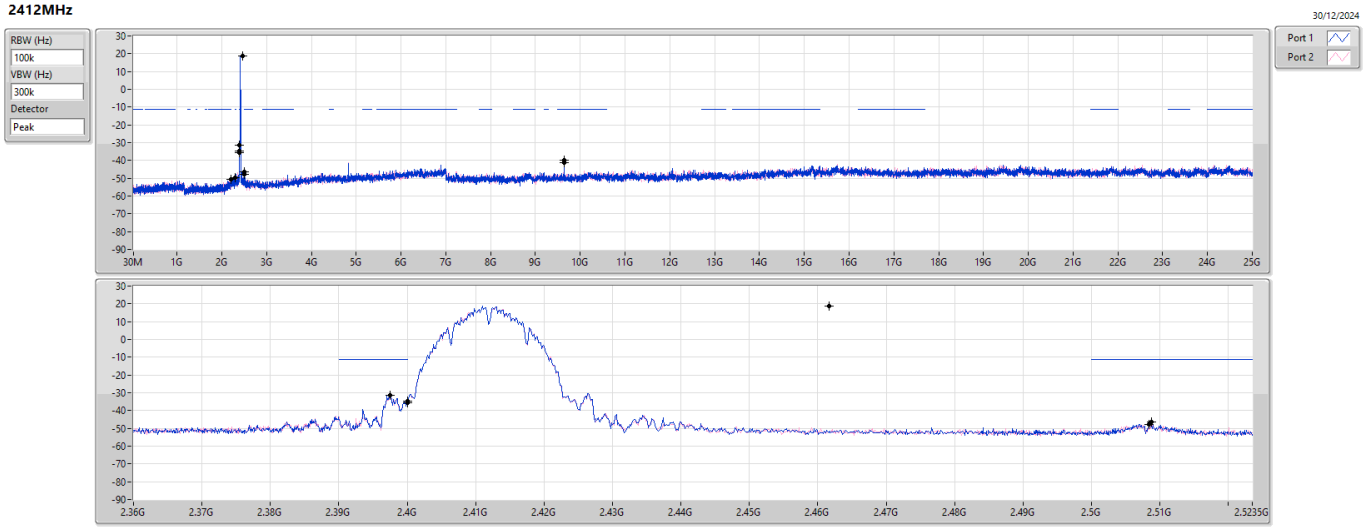
Mode	Result	Ref	Ref	Limit	Freq	Level	Freq	Level	Freq	Level	Freq	Level	Freq	Level	Port
		(Hz)	(dBm)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.46162G	18.63	-11.37	2.1969G	-50.62	2.39752G	-31.39	2.4G	-34.66	2.50878G	-46.24	9.64855G	-39.83	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43941G	12.52	-17.48	2.30641G	-49.81	2.4G	-21.50	2.4G	-21.52	2.51862G	-49.53	15.18339G	-43.11	2
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	2.44192G	11.97	-18.03	2.30408G	-49.78	2.39984G	-21.64	2.4G	-20.74	2.5039G	-49.36	21.90948G	-42.77	1
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	2.42188G	9.49	-20.51	2.30397G	-49.80	2.4G	-22.16	2.4G	-20.81	2.5091G	-49.07	24.89343G	-43.06	2

Result

Mode	Result	Ref	Ref	Limit	Freq	Level	Freq	Level	Freq	Level	Freq	Level	Freq	Level	Port
		(Hz)	(dBm)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46162G	18.63	-11.37	2.30408G	-49.86	2.39752G	-31.55	2.4G	-35.69	2.50846G	-47.97	9.64855G	-41.35	1
2412MHz	Pass	2.46162G	18.63	-11.37	2.1969G	-50.62	2.39752G	-31.39	2.4G	-34.66	2.50878G	-46.24	9.64855G	-39.83	2
2437MHz	Pass	2.46162G	18.63	-11.37	2.30408G	-50.13	2.4G	-46.31	2.4G	-46.39	2.50486G	-49.91	9.74689G	-40.08	1
2437MHz	Pass	2.46162G	18.63	-11.37	2.30874G	-50.82	2.4G	-46.23	2.4G	-45.56	2.51662G	-50.70	9.74689G	-38.91	2
2462MHz	Pass	2.46162G	18.63	-11.37	2.30059G	-51.63	2.4G	-48.13	2.4G	-45.78	2.5063G	-49.28	9.84803G	-35.67	1
2462MHz	Pass	2.46162G	18.63	-11.37	2.30408G	-51.05	2.4G	-47.25	2.4G	-46.98	2.52022G	-48.72	9.84803G	-35.96	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43941G	12.52	-17.48	2.30175G	-50.25	2.4G	-21.85	2.4G	-21.54	2.51478G	-49.18	15.18339G	-42.25	1
2412MHz	Pass	2.43941G	12.52	-17.48	2.30641G	-49.81	2.4G	-21.50	2.4G	-21.52	2.51862G	-49.53	15.18339G	-43.11	2
2437MHz	Pass	2.43941G	12.52	-17.48	2.19574G	-49.81	2.4G	-45.62	2.4G	-46.60	2.50334G	-49.10	24.44933G	-41.40	1
2437MHz	Pass	2.43941G	12.52	-17.48	2.30525G	-50.53	2.39952G	-46.08	2.4G	-46.32	2.50702G	-50.20	24.47742G	-42.55	2
2462MHz	Pass	2.43941G	12.52	-17.48	2.30408G	-49.07	2.4G	-47.23	2.4G	-47.37	2.50014G	-47.29	15.19182G	-42.23	1
2462MHz	Pass	2.43941G	12.52	-17.48	2.30874G	-50.05	2.4G	-47.46	2.4G	-46.75	2.50038G	-46.77	6.90642G	-42.93	2
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	11.97	-18.03	2.30408G	-49.78	2.39984G	-21.64	2.4G	-20.74	2.5039G	-49.36	21.90948G	-42.77	1
2412MHz	Pass	2.44192G	11.97	-18.03	2.14448G	-50.87	2.3996G	-21.83	2.4G	-21.17	2.51574G	-49.38	21.93196G	-41.58	2
2437MHz	Pass	2.44192G	11.97	-18.03	2.30175G	-49.87	2.39792G	-46.27	2.4G	-47.39	2.50238G	-50.21	24.51114G	-42.42	1
2437MHz	Pass	2.44192G	11.97	-18.03	2.30641G	-49.78	2.39864G	-46.54	2.4G	-46.00	2.52086G	-50.25	24.43247G	-42.35	2
2462MHz	Pass	2.44192G	11.97	-18.03	2.30874G	-49.78	2.39952G	-47.81	2.4G	-47.26	2.50038G	-45.43	16.57412G	-42.91	1
2462MHz	Pass	2.44192G	11.97	-18.03	2.30408G	-48.53	2.4G	-47.58	2.4G	-48.27	2.5007G	-47.62	24.13746G	-43.29	2
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42188G	9.49	-20.51	2.30512G	-49.58	2.4G	-21.99	2.4G	-22.69	2.50718G	-49.30	24.9972G	-42.33	1
2422MHz	Pass	2.42188G	9.49	-20.51	2.30397G	-49.80	2.4G	-22.16	2.4G	-20.81	2.5091G	-49.07	24.89343G	-43.06	2
2437MHz	Pass	2.42188G	9.49	-20.51	2.30512G	-48.69	2.3984G	-40.42	2.4G	-43.04	2.5035G	-41.94	24.21472G	-41.95	1
2437MHz	Pass	2.42188G	9.49	-20.51	2.18031G	-50.52	2.39168G	-40.83	2.4G	-40.50	2.5019G	-40.22	15.13916G	-42.35	2
2452MHz	Pass	2.42188G	9.49	-20.51	2.30512G	-49.62	2.39552G	-44.47	2.4G	-45.33	2.50206G	-43.04	16.33671G	-43.04	1
2452MHz	Pass	2.42188G	9.49	-20.51	2.30397G	-48.68	2.39456G	-42.48	2.4G	-46.04	2.50078G	-38.82	15.19525G	-41.82	2

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

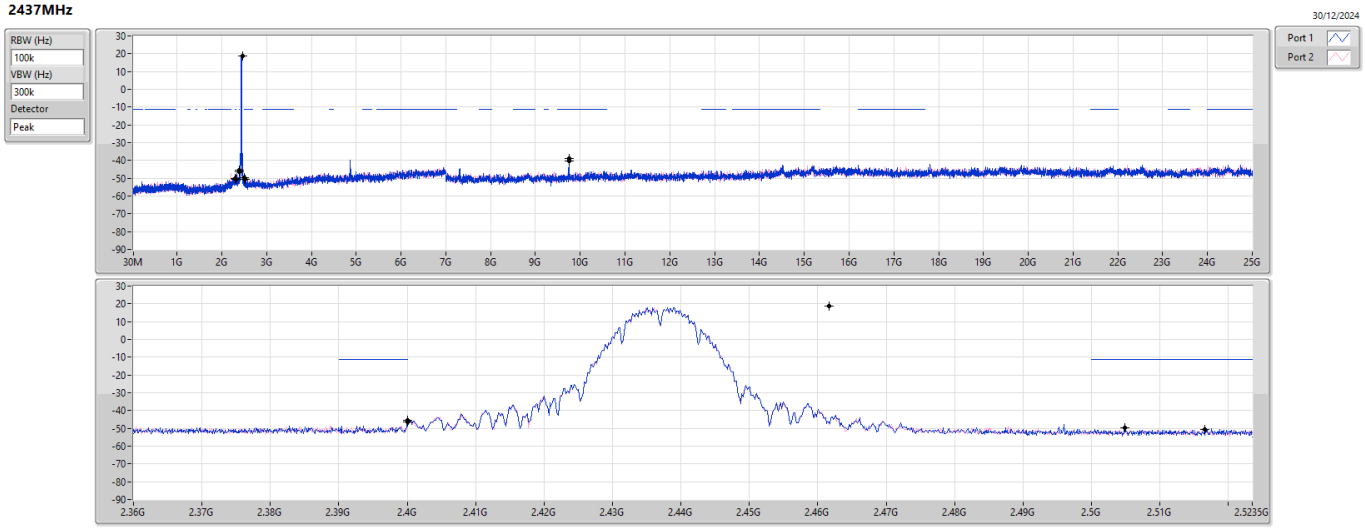
2412MHz



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
2.46162G	18.63	-11.37	2.30408G	-49.86	2.39752G	-31.55	2.4G	-35.69	2.50846G	-47.97	9.64855G	-41.35	1
2.46162G	18.63	-11.37	2.1969G	-50.62	2.39752G	-31.39	2.4G	-34.66	2.50878G	-46.24	9.64855G	-39.83	2

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

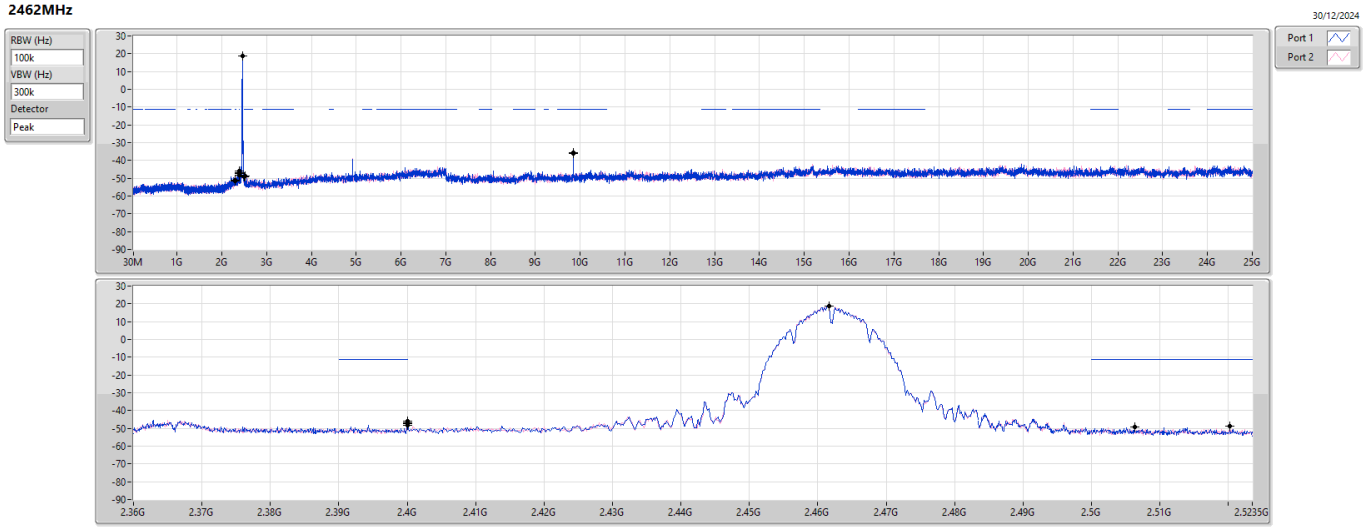
2437MHz



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
2.46162G	18.63	-11.37	2.30408G	-50.13	2.4G	-46.31	2.4G	-46.39	2.50486G	-49.91	9.74689G	-40.08	1
2.46162G	18.63	-11.37	2.30874G	-50.82	2.4G	-46.23	2.4G	-45.56	2.51662G	-50.70	9.74689G	-38.91	2

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

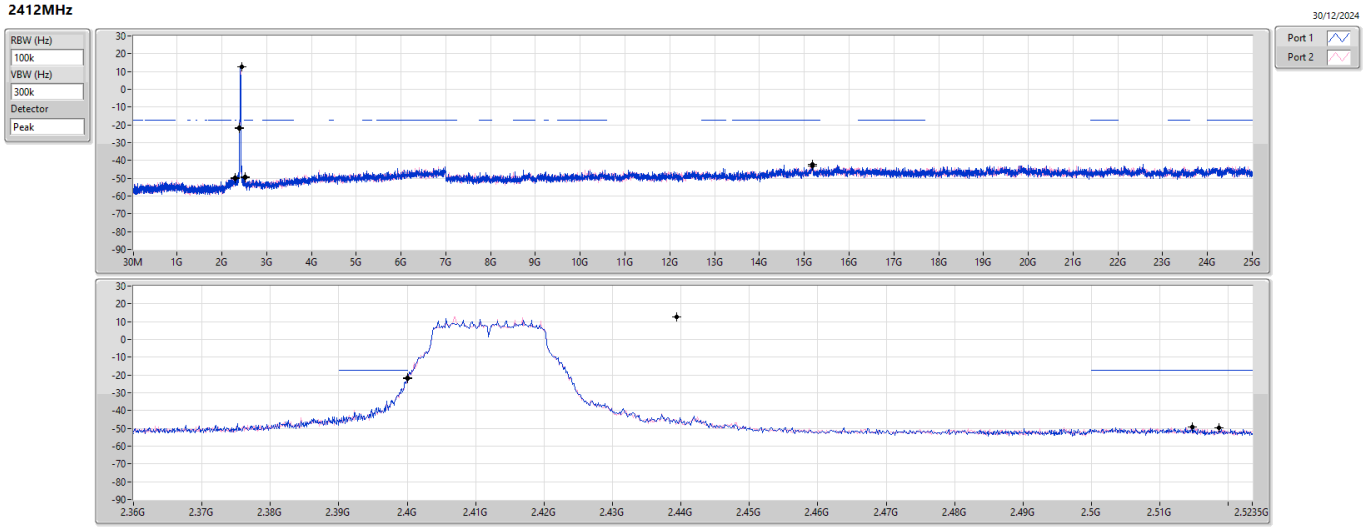
2462MHz



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
2.46162G	18.63	-11.37	2.30059G	-51.63	2.4G	-48.13	2.4G	-45.78	2.5063G	-49.28	9.84803G	-35.67	1
2.46162G	18.63	-11.37	2.30408G	-51.05	2.4G	-47.25	2.4G	-46.98	2.52022G	-48.72	9.84803G	-35.96	2

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

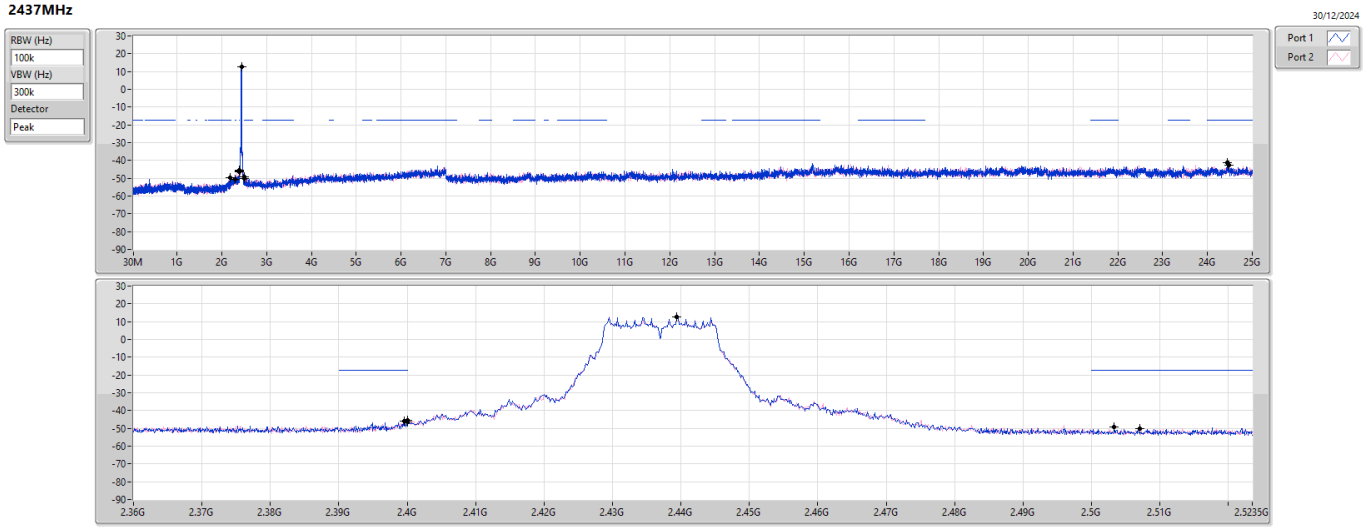
2412MHz



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
2.43941G	12.52	-17.48	2.30175G	-50.25	2.4G	-21.85	2.4G	-21.54	2.51478G	-49.18	15.18339G	-42.25	1
2.43941G	12.52	-17.48	2.30641G	-49.81	2.4G	-21.50	2.4G	-21.52	2.51862G	-49.53	15.18339G	-43.11	2

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

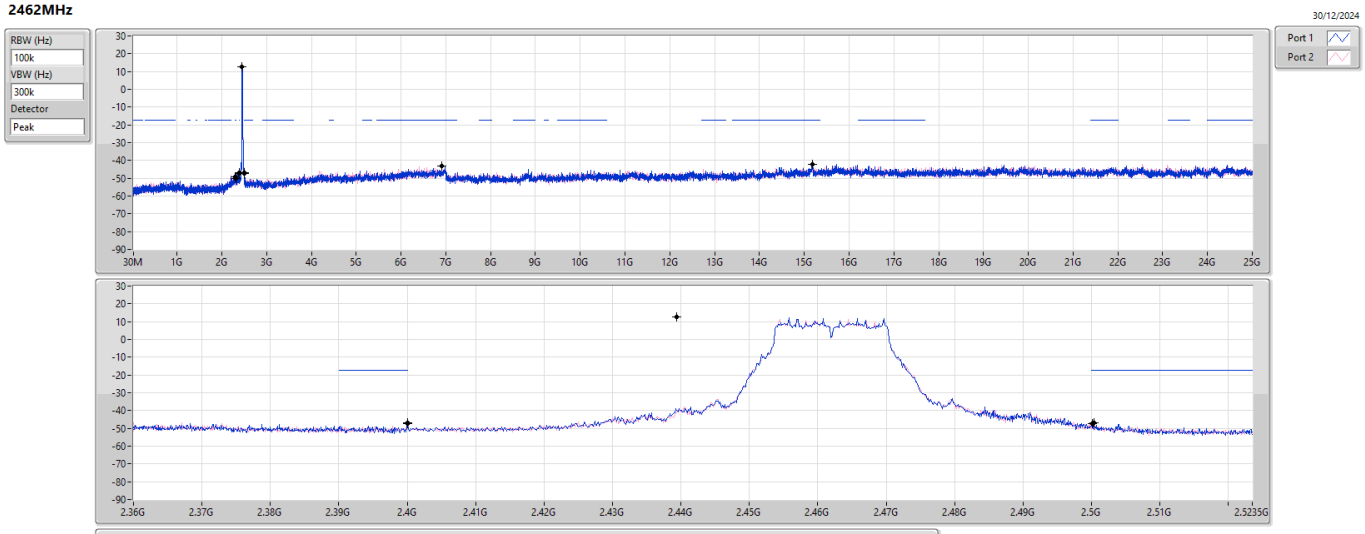
2437MHz



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
2.43941G	12.52	-17.48	2.19574G	-49.81	2.4G	-45.62	2.4G	-46.60	2.50334G	-49.10	24.44933G	-41.40	1
2.43941G	12.52	-17.48	2.30525G	-50.53	2.39952G	-46.08	2.4G	-46.32	2.50702G	-50.20	24.47742G	-42.55	2

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

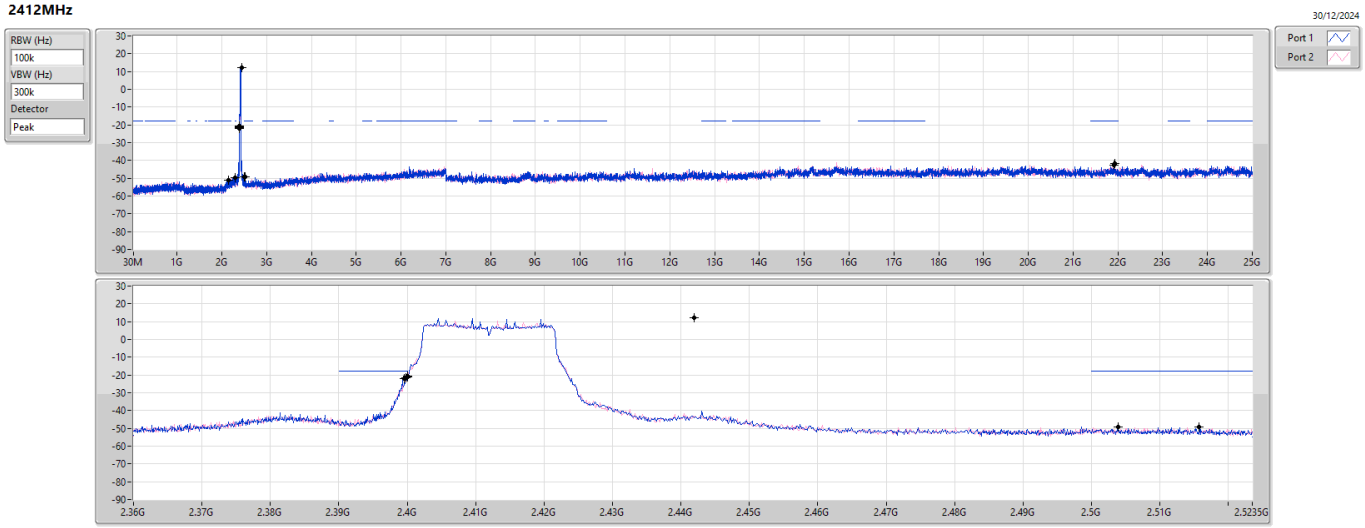
2462MHz



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
2.43941G	12.52	-17.48	2.30408G	-49.07	2.4G	-47.23	2.4G	-47.37	2.50014G	-47.29	15.19182G	-42.23	1
2.43941G	12.52	-17.48	2.30874G	-50.05	2.4G	-47.46	2.4G	-46.75	2.50038G	-46.77	6.90642G	-42.93	2

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

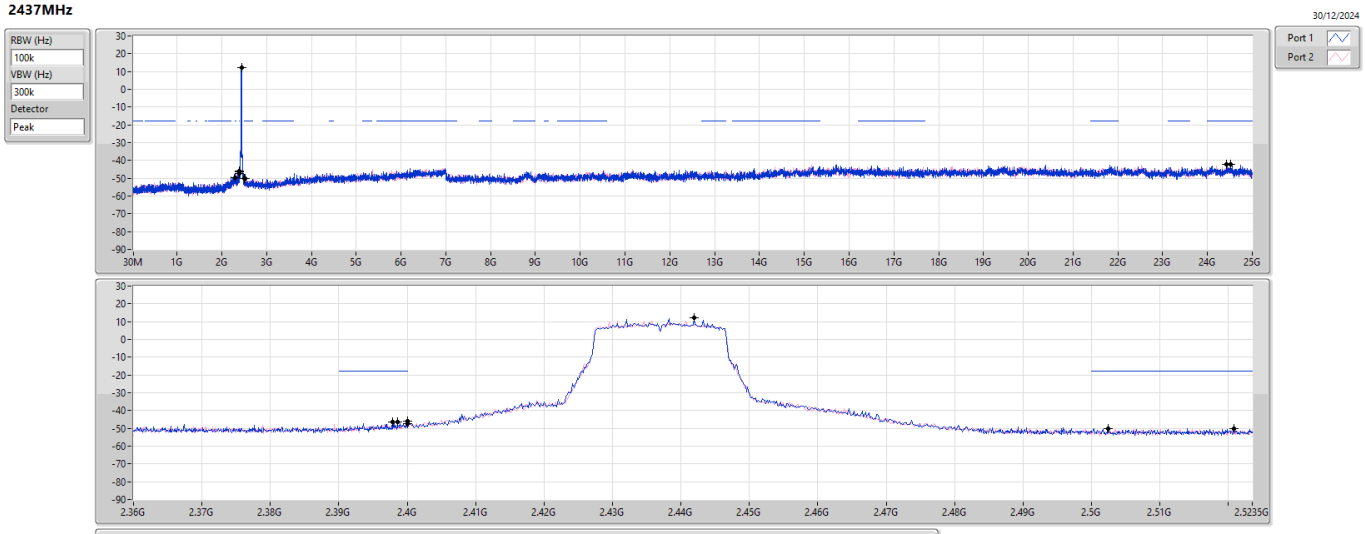
2412MHz



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
2.44192G	11.97	-18.03	2.30408G	-49.78	2.39984G	-21.64	2.4G	-20.74	2.5039G	-49.36	21.90948G	-42.77	1
2.44192G	11.97	-18.03	2.14448G	-50.87	2.3996G	-21.83	2.4G	-21.17	2.51574G	-49.38	21.93196G	-41.58	2

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

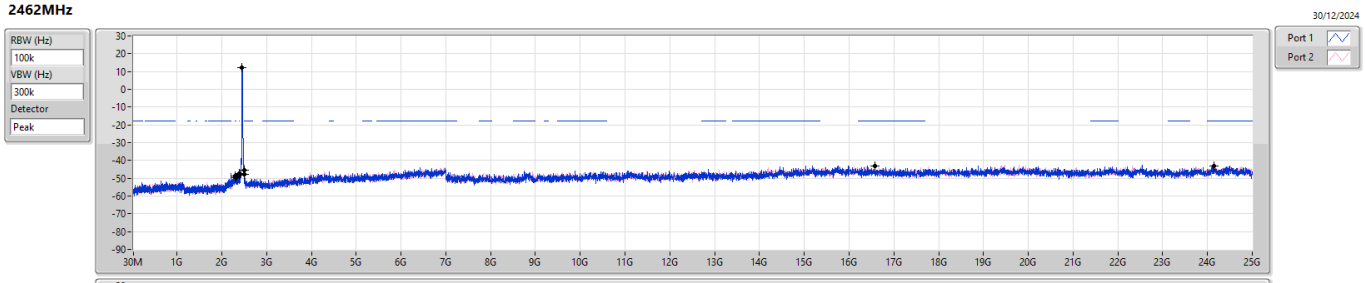
2437MHz

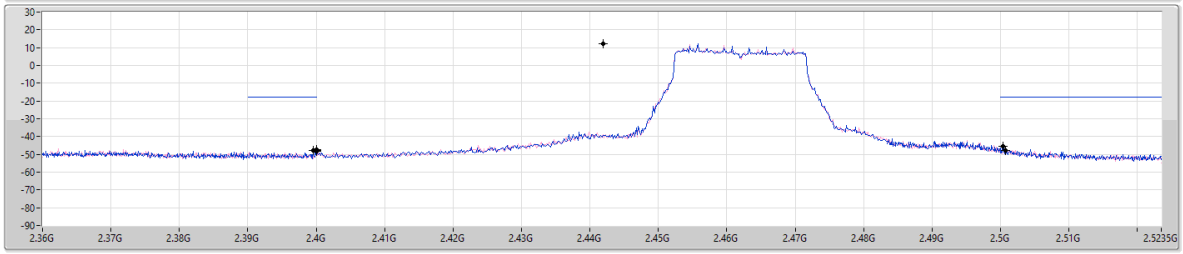


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44192G	11.97	-18.03	2.30175G	-49.87	2.39792G	-46.27	2.4G	-47.39	2.50238G	-50.21	24.51114G	-42.42	1
2.44192G	11.97	-18.03	2.30641G	-49.78	2.39864G	-46.54	2.4G	-46.00	2.52086G	-50.25	24.43247G	-42.35	2

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

2462MHz

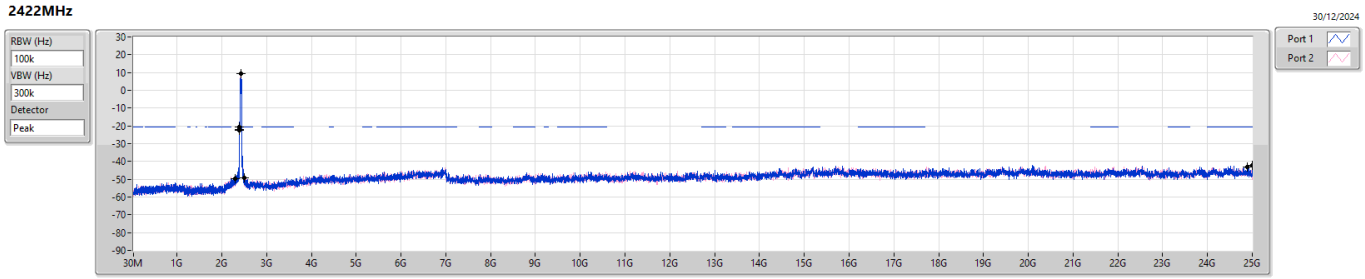


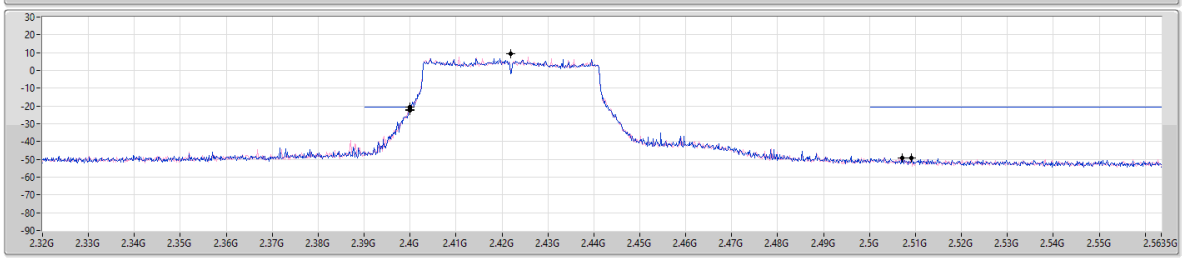


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44192G	11.97	-18.03	2.30874G	-49.78	2.39952G	-47.81	2.4G	-47.26	2.50038G	-45.43	16.57412G	-42.91	1
2.44192G	11.97	-18.03	2.30408G	-48.53	2.4G	-47.58	2.4G	-48.27	2.5007G	-47.62	24.13746G	-43.29	2

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

2422MHz

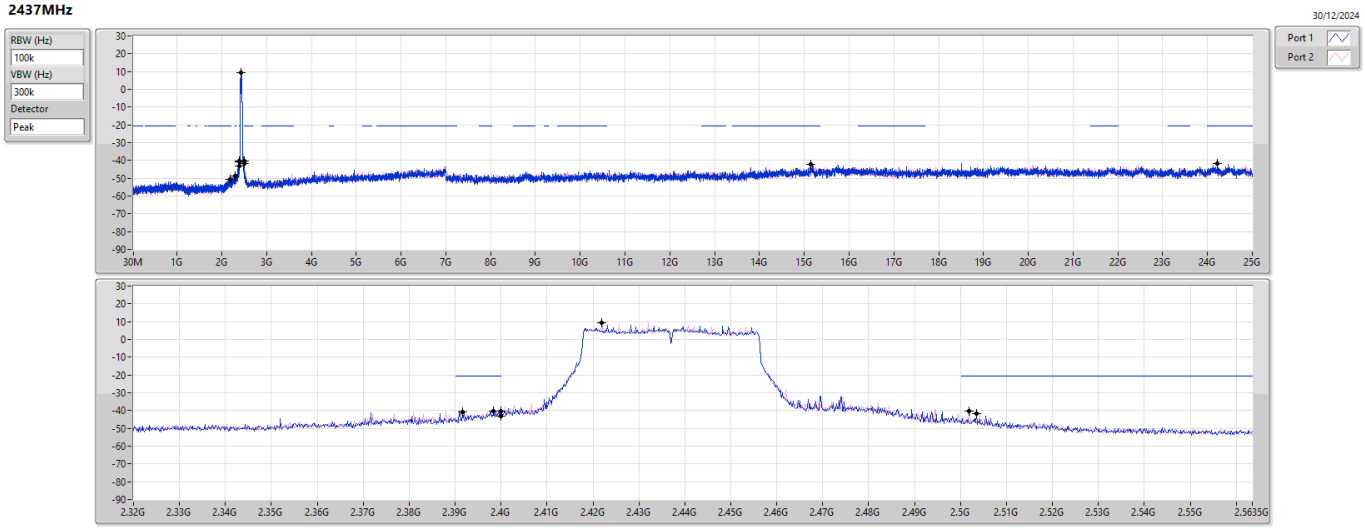




Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42188G	9.49	-20.51	2.30512G	-49.58	2.4G	-21.99	2.4G	-22.69	2.50718G	-49.30	24.9972G	-42.33	1
2.42188G	9.49	-20.51	2.30397G	-49.80	2.4G	-22.16	2.4G	-20.81	2.5091G	-49.07	24.89343G	-43.06	2

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

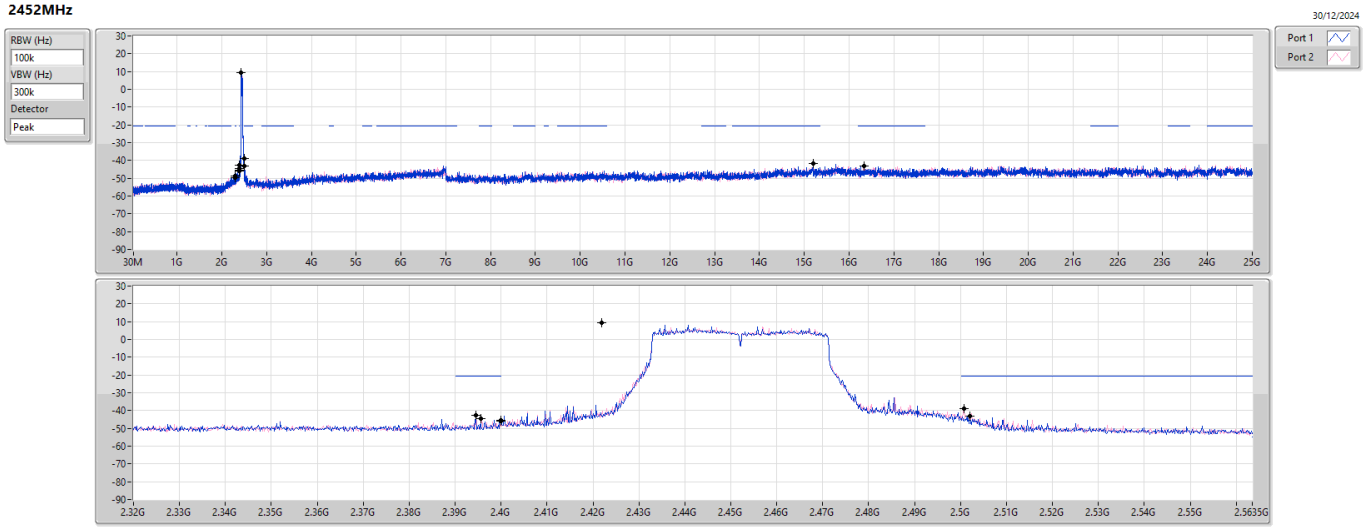
2437MHz



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
2.42188G	9.49	-20.51	2.30512G	-48.69	2.3984G	-40.42	2.4G	-43.04	2.5035G	-41.94	24.21472G	-41.95	1
2.42188G	9.49	-20.51	2.18031G	-50.52	2.39168G	-40.83	2.4G	-40.50	2.5019G	-40.22	15.13916G	-42.35	2

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

2452MHz

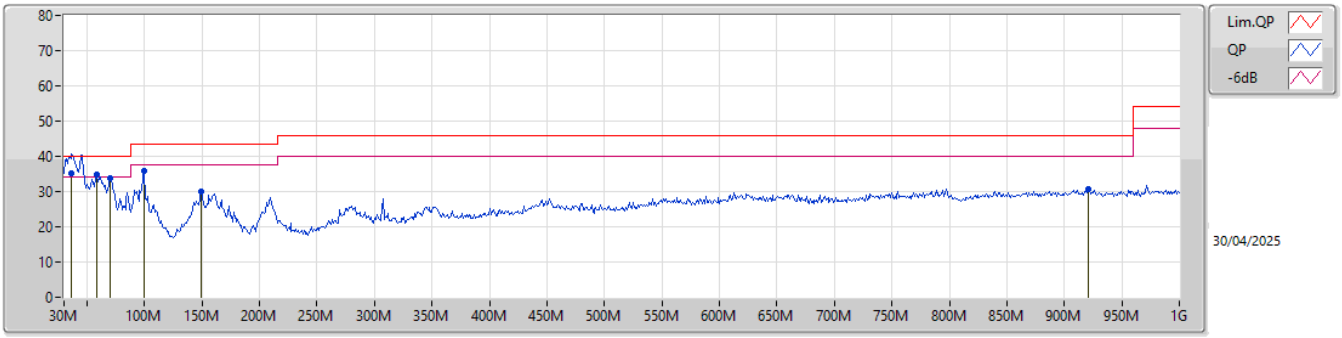


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42188G	9.49	-20.51	2.30512G	-49.62	2.39552G	-44.47	2.4G	-45.33	2.50206G	-43.04	16.33671G	-43.04	1
2.42188G	9.49	-20.51	2.30397G	-48.68	2.39456G	-42.48	2.4G	-46.04	2.50078G	-38.82	15.19525G	-41.82	2

Summary

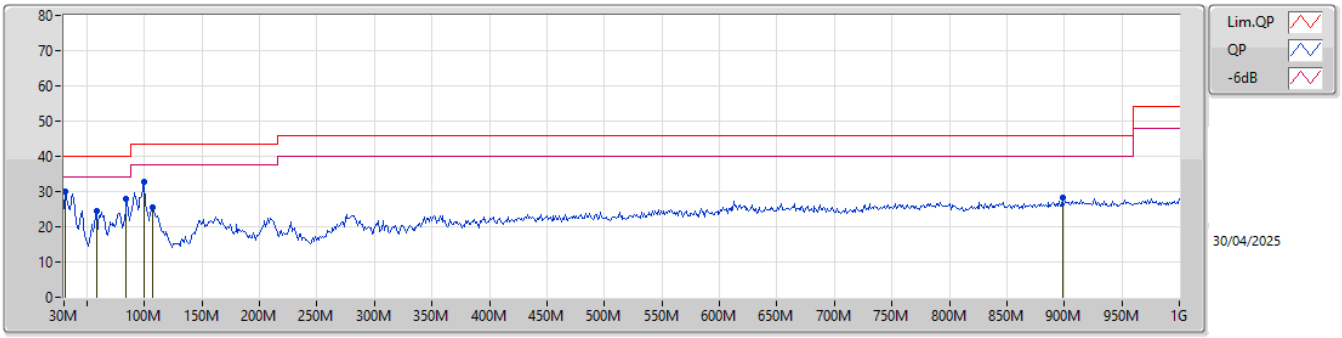
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	36.79M	35.21	40.00	-4.79	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV)	(dB/m)	(dB)	(dB)
QP	36.79M	35.21	40.00	-4.79	-11.13	3	Vertical	-1	1.00	"Worst"	46.34	20.57	0.58	32.28
PK	58.13M	34.68	40.00	-5.32	-19.28	3	Vertical	8	1.25	-	53.96	12.32	0.74	32.34
PK	69.77M	33.94	40.00	-6.06	-19.42	3	Vertical	78	1.25	-	53.36	12.18	0.87	32.47
PK	99.84M	35.90	43.50	-7.60	-14.48	3	Vertical	333	1.25	-	50.38	16.59	1.02	32.09
PK	149.31M	29.98	43.50	-13.52	-14.63	3	Vertical	179	1.00	-	44.61	16.44	1.22	32.29
PK	920.46M	30.74	46.00	-15.26	-1.14	3	Vertical	24	1.25	-	31.88	26.40	3.06	30.60

Mode 1



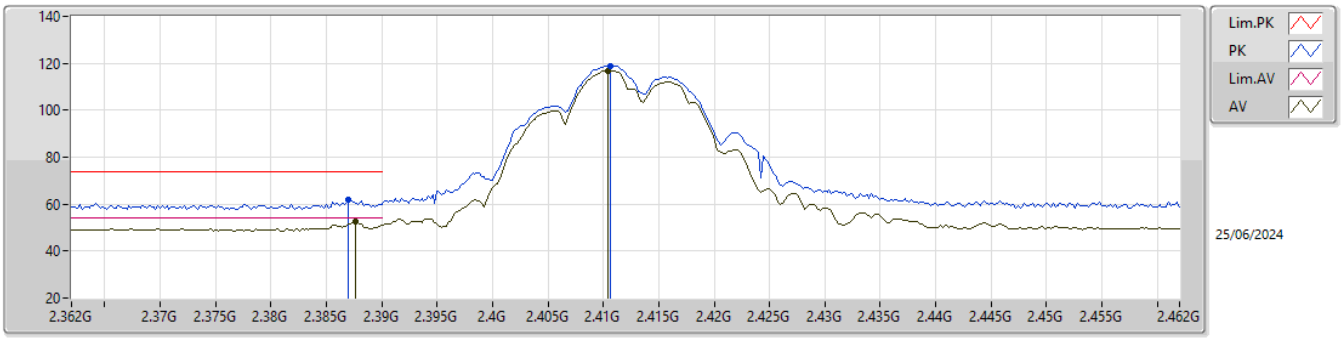
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV)	(dB/m)	(dB)	(dB)
PK	30.97M	30.10	40.00	-9.90	-8.06	3	Horizontal	228	1.25	"Worst"	38.16	23.70	0.55	32.31
PK	58.13M	24.53	40.00	-15.47	-19.28	3	Horizontal	110	3.00	-	43.81	12.32	0.74	32.34
PK	84.32M	28.09	40.00	-11.91	-17.83	3	Horizontal	60	2.00	-	45.92	13.55	0.97	32.35
PK	99.84M	32.69	43.50	-10.81	-14.48	3	Horizontal	104	2.00	-	47.17	16.59	1.02	32.09
PK	106.63M	25.53	43.50	-17.97	-13.95	3	Horizontal	268	3.00	-	39.48	17.16	1.02	32.13
PK	898.15M	28.28	46.00	-17.72	-1.24	3	Horizontal	0	3.00	-	29.52	26.36	3.04	30.64

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	-	-	-	-	-	-	-	-	-	-	-
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	AV	2.4838G	53.98	54.00	-0.02	3	Vertical	41	1.01	-

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

2412MHz_TX

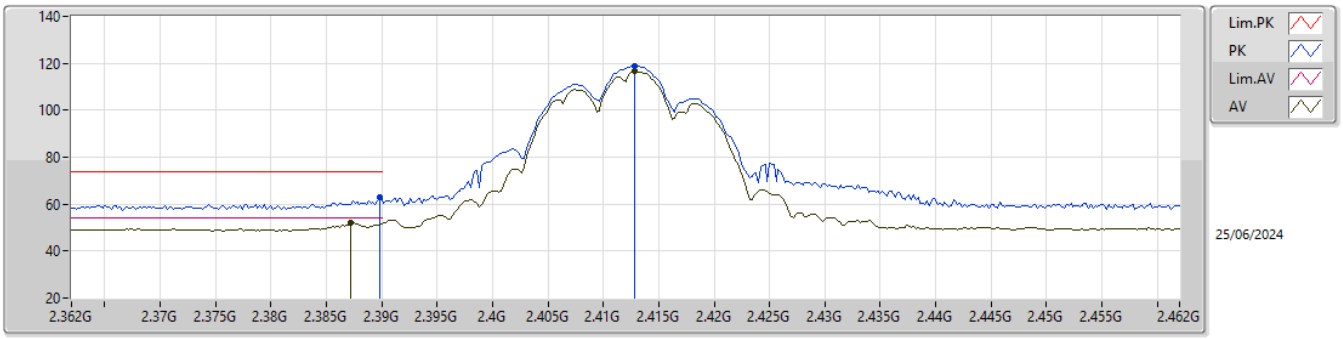


EUT Y_2TX
Setting 25.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.387G	61.81	74.00	-12.19	29.46	3	Vertical	47	1.03	-	27.70	4.65	-
AV	2.3876G	52.56	54.00	-1.44	20.21	3	Vertical	47	1.03	-	27.70	4.65	-
PK	2.4106G	119.00	Inf	-Inf	86.73	3	Vertical	47	1.03	-	27.61	4.66	-
AV	2.4104G	116.77	Inf	-Inf	84.51	3	Vertical	47	1.03	-	27.60	4.66	-

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

2412MHz_TX

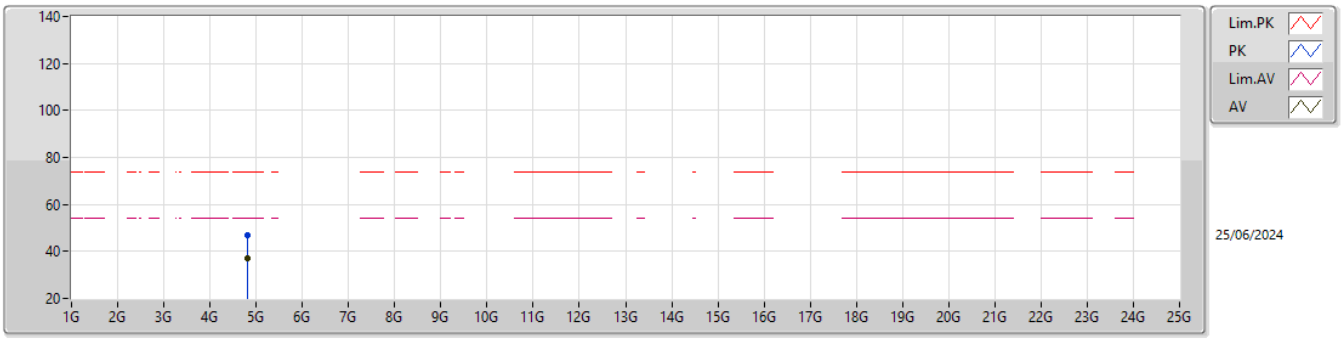


EUT Y_2TX
Setting 25.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	62.77	74.00	-11.23	30.41	3	Horizontal	6	2.00	-	27.70	4.66	-
AV	2.3872G	51.96	54.00	-2.04	19.61	3	Horizontal	6	2.00	-	27.70	4.65	-
PK	2.4128G	119.03	Inf	-Inf	86.74	3	Horizontal	6	2.00	-	27.63	4.66	-
AV	2.4128G	116.79	Inf	-Inf	84.50	3	Horizontal	6	2.00	-	27.63	4.66	-

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

2412MHz_TX

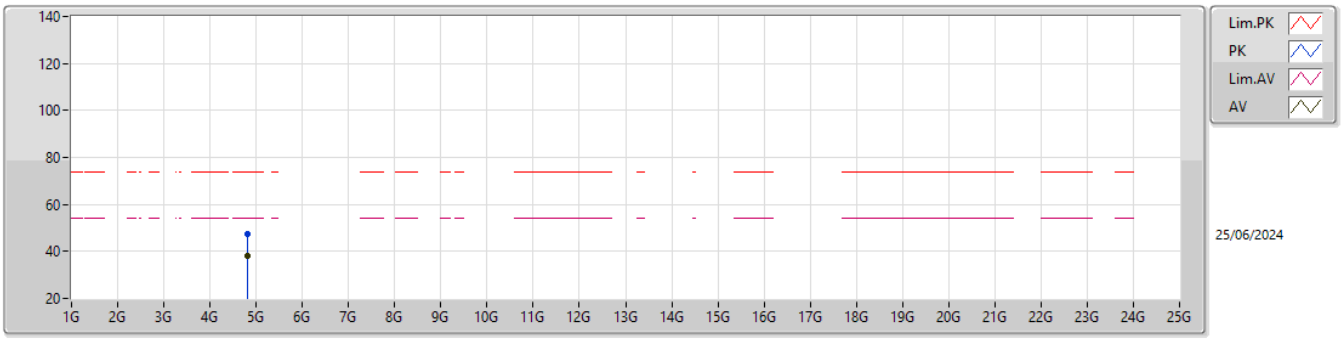


EUT Y_2TX
Setting 25.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82408G	47.06	74.00	-26.94	41.40	3	Vertical	58.7	1.00	-	31.30	6.93	32.57
AV	4.82396G	37.11	54.00	-16.89	31.45	3	Vertical	59	1.00	-	31.30	6.93	32.57

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

2412MHz_TX

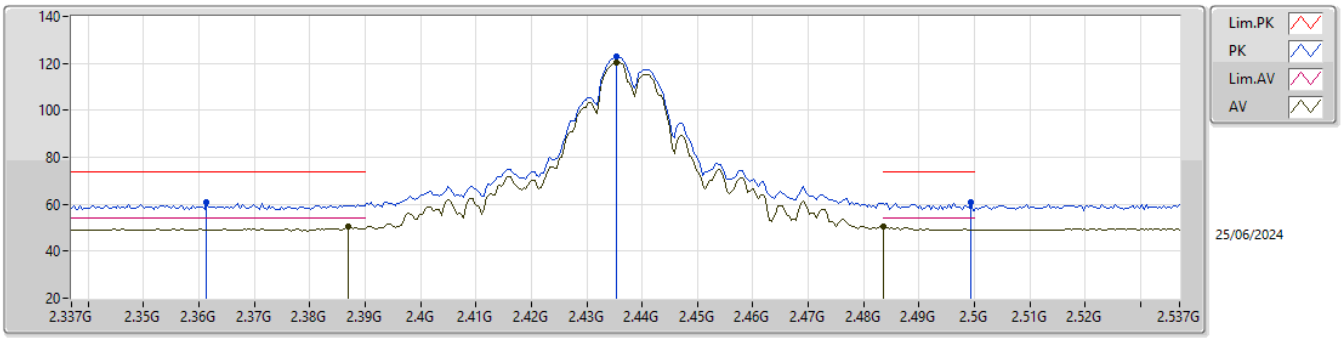


EUT Y_2TX
Setting 25.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82404G	47.27	74.00	-26.73	41.61	3	Horizontal	323	2.21	-	31.30	6.93	32.57
AV	4.824G	38.19	54.00	-15.81	32.53	3	Horizontal	323	2.21	-	31.30	6.93	32.57

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

2437MHz_TX

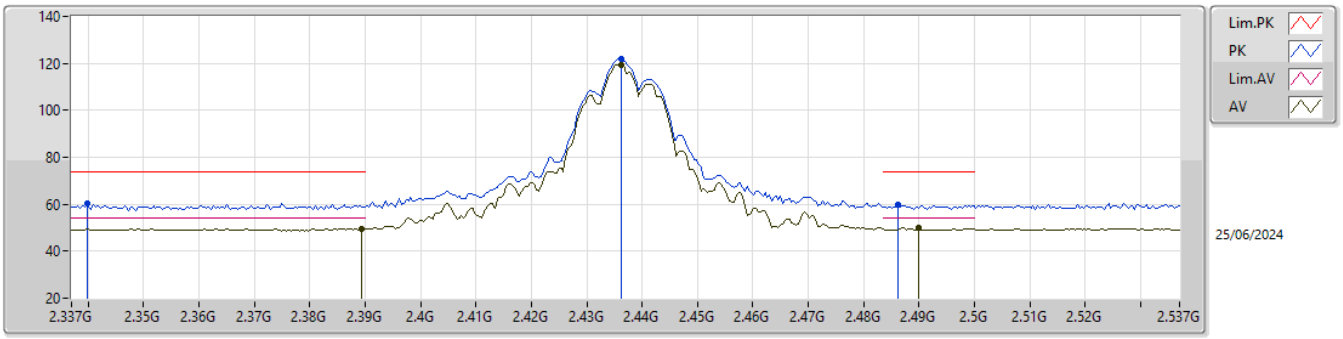


EUT Y_2TX
Setting 27.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3614G	60.75	74.00	-13.25	28.25	3	Vertical	48	1.00	-	27.89	4.61	-
AV	2.387G	50.62	54.00	-3.38	18.27	3	Vertical	48	1.00	-	27.70	4.65	-
PK	2.4354G	122.79	Inf	-Inf	90.60	3	Vertical	48	1.00	-	27.55	4.64	-
AV	2.4354G	120.58	Inf	-Inf	88.39	3	Vertical	48	1.00	-	27.55	4.64	-
PK	2.4994G	60.94	74.00	-13.06	28.85	3	Vertical	48	1.00	-	27.50	4.59	-
AV	2.4835G	50.54	54.00	-3.46	18.44	3	Vertical	48	1.00	-	27.50	4.60	-

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

2437MHz_TX

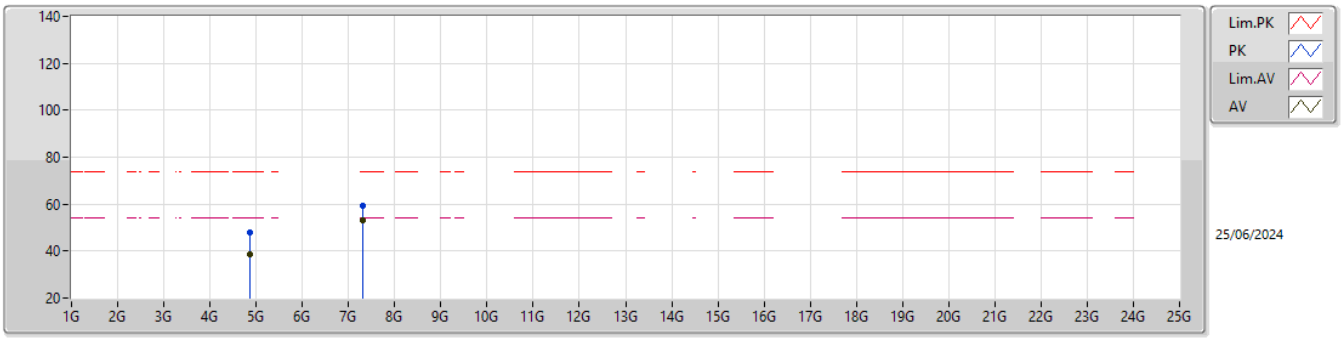


EUT Y_2TX
Setting 27.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3398G	60.30	74.00	-13.70	27.72	3	Horizontal	360	1.57	-	28.00	4.58	-
AV	2.3894G	49.61	54.00	-4.39	17.26	3	Horizontal	360	1.57	-	27.70	4.65	-
PK	2.4362G	121.83	Inf	-Inf	89.65	3	Horizontal	360	1.57	-	27.54	4.64	-
AV	2.4362G	119.44	Inf	-Inf	87.26	3	Horizontal	360	1.57	-	27.54	4.64	-
PK	2.4862G	59.97	74.00	-14.03	27.87	3	Horizontal	360	1.57	-	27.50	4.60	-
AV	2.4898G	50.03	54.00	-3.97	17.94	3	Horizontal	360	1.57	-	27.50	4.59	-

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

2437MHz_TX

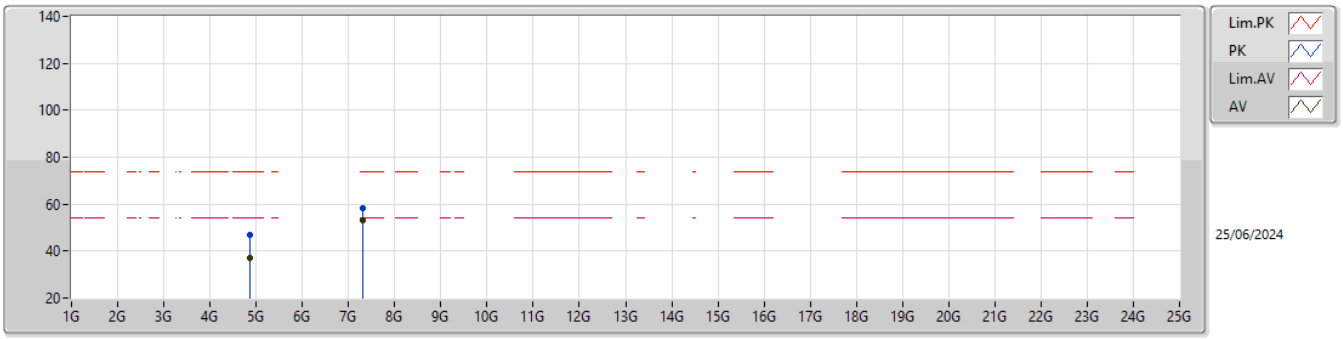


EUT Y_2TX
Setting 27.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87376G	47.93	74.00	-26.07	42.22	3	Vertical	53	1.01	-	31.30	6.98	32.57
AV	4.874G	38.74	54.00	-15.26	33.03	3	Vertical	53	1.01	-	31.30	6.98	32.57
PK	7.31316G	59.08	74.00	-14.92	46.83	3	Vertical	353	2.65	-	36.25	8.63	32.63
AV	7.31272G	52.88	54.00	-1.12	40.63	3	Vertical	353	2.65	-	36.25	8.63	32.63

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

2437MHz_TX

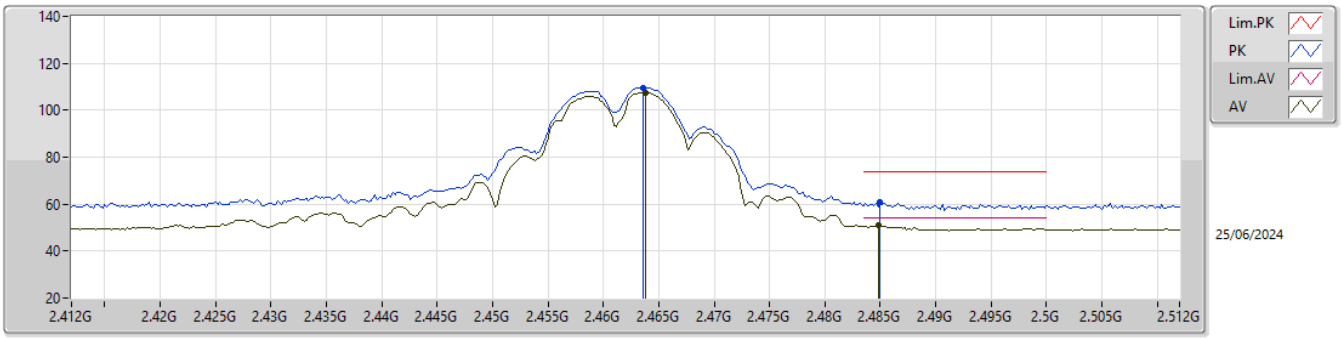


EUT Y_2TX
Setting 27.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86584G	46.86	74.00	-27.14	41.15	3	Horizontal	337	1.80	-	31.30	6.98	32.57
AV	4.874G	37.19	54.00	-16.81	31.48	3	Horizontal	337	1.80	-	31.30	6.98	32.57
PK	7.31012G	58.49	74.00	-15.51	46.24	3	Horizontal	28	2.44	-	36.26	8.62	32.63
AV	7.30972G	52.87	54.00	-1.13	40.62	3	Horizontal	28	2.44	-	36.26	8.62	32.63

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

2462MHz_TX

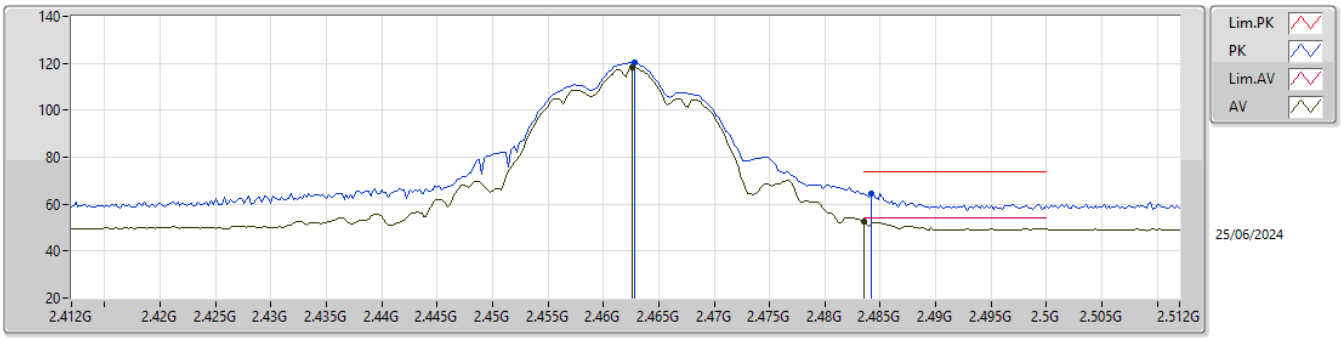


EUT Y_2TX
Setting 26.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4636G	109.64	Inf	-Inf	77.62	3	Vertical	310	1.14	-	27.40	4.62	-
AV	2.4638G	107.60	Inf	-Inf	75.58	3	Vertical	310	1.14	-	27.40	4.62	-
PK	2.485G	60.99	74.00	-13.01	28.89	3	Vertical	310	1.14	-	27.50	4.60	-
AV	2.4848G	50.79	54.00	-3.21	18.69	3	Vertical	310	1.14	-	27.50	4.60	-

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

2462MHz_TX

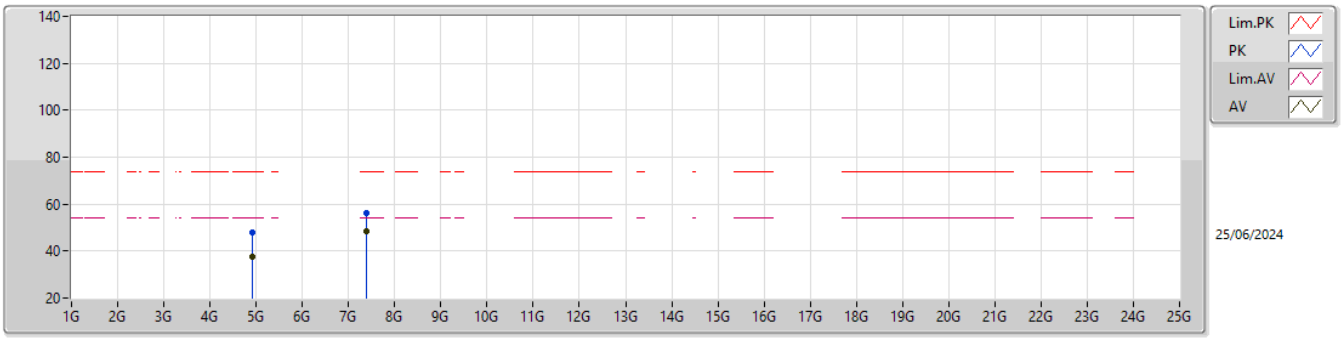


EUT Y_2TX
Setting 26.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4628G	120.30	Inf	-Inf	88.28	3	Horizontal	3	2.80	-	27.40	4.62	-
AV	2.4626G	118.19	Inf	-Inf	86.17	3	Horizontal	3	2.80	-	27.40	4.62	-
PK	2.4842G	64.68	74.00	-9.32	32.58	3	Horizontal	3	2.80	-	27.50	4.60	-
AV	2.4835G	52.52	54.00	-1.48	20.42	3	Horizontal	3	2.80	-	27.50	4.60	-

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

2462MHz_TX

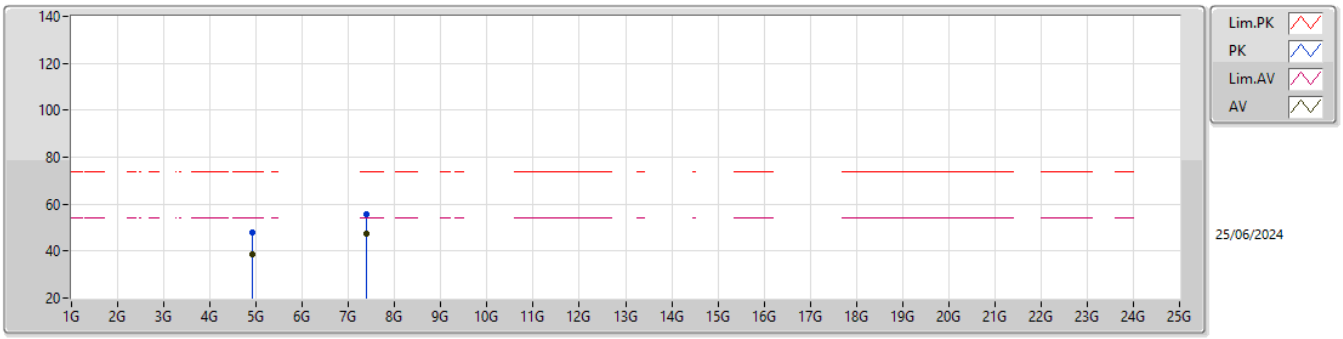


EUT Y_2TX
Setting 26.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9244G	47.91	74.00	-26.09	42.06	3	Vertical	115	2.13	-	31.40	7.03	32.58
AV	4.92384G	37.83	54.00	-16.17	31.98	3	Vertical	115	2.13	-	31.40	7.03	32.58
PK	7.38476G	56.14	74.00	-17.86	43.93	3	Vertical	19	1.80	-	36.10	8.71	32.60
AV	7.3846G	48.49	54.00	-5.51	36.28	3	Vertical	19	1.80	-	36.10	8.71	32.60

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

2462MHz_TX

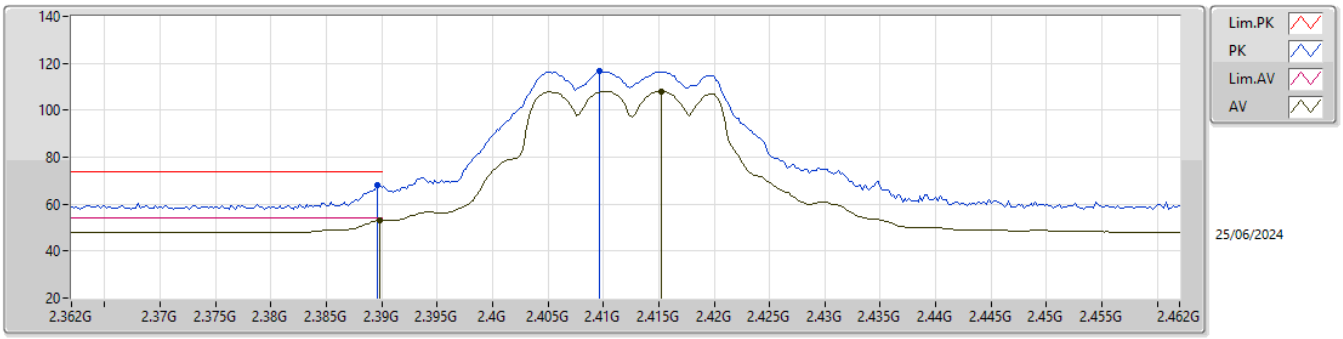


EUT Y_2TX
Setting 26.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92448G	47.74	74.00	-26.26	41.89	3	Horizontal	319	1.99	-	31.40	7.03	32.58
AV	4.92392G	38.58	54.00	-15.42	32.73	3	Horizontal	319	1.99	-	31.40	7.03	32.58
PK	7.38464G	55.59	74.00	-18.41	43.38	3	Horizontal	28	1.80	-	36.10	8.71	32.60
AV	7.38492G	47.61	54.00	-6.39	35.40	3	Horizontal	28	1.80	-	36.10	8.71	32.60

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

2412MHz_TX

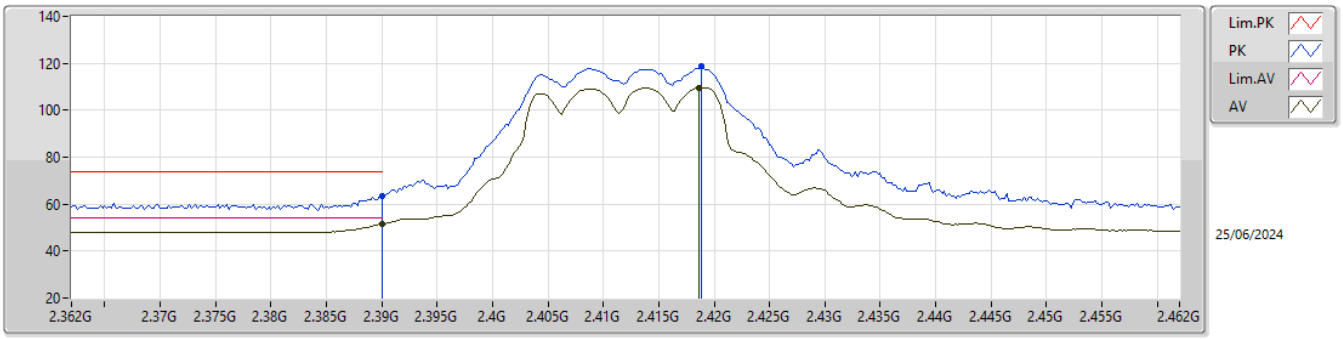


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	68.04	74.00	-5.96	35.69	3	Vertical	14	1.80	-	27.70	4.65	-
AV	2.3898G	53.15	54.00	-0.85	20.79	3	Vertical	14	1.80	-	27.70	4.66	-
PK	2.4096G	116.57	Inf	-Inf	84.31	3	Vertical	14	1.80	-	27.60	4.66	-
AV	2.4152G	108.02	Inf	-Inf	75.71	3	Vertical	14	1.80	-	27.65	4.66	-

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

2412MHz_TX

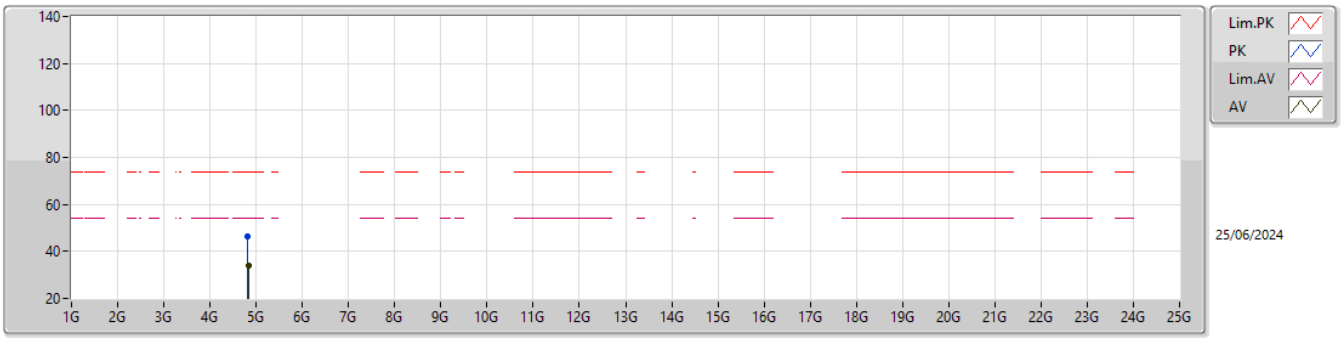


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	63.52	74.00	-10.48	31.16	3	Horizontal	360	1.01	-	27.70	4.66	-
AV	2.39G	51.35	54.00	-2.65	18.99	3	Horizontal	360	1.01	-	27.70	4.66	-
PK	2.4188G	118.76	Inf	-Inf	86.42	3	Horizontal	360	1.01	-	27.69	4.65	-
AV	2.4186G	109.59	Inf	-Inf	77.25	3	Horizontal	360	1.01	-	27.69	4.65	-

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

2412MHz_TX

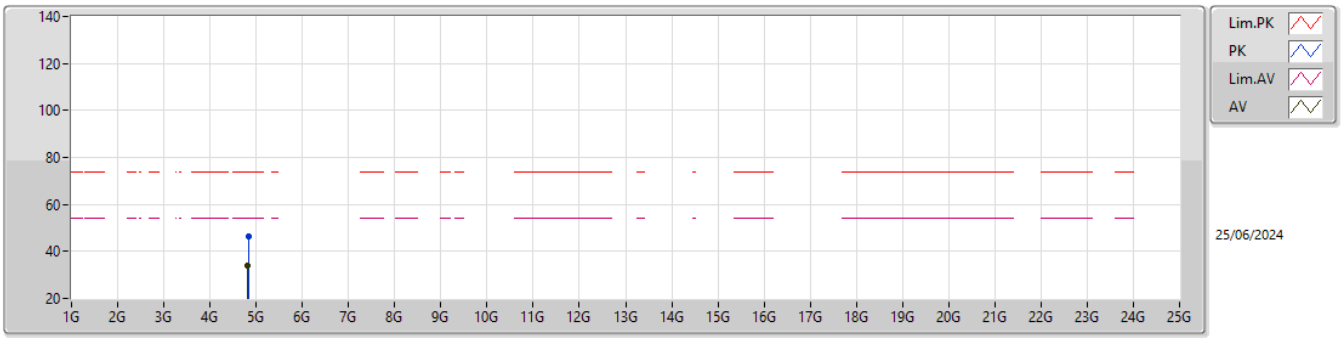


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82108G	46.43	74.00	-27.57	40.77	3	Vertical	45	1.74	-	31.30	6.93	32.57
AV	4.83148G	34.01	54.00	-19.99	28.34	3	Vertical	45	1.74	-	31.30	6.94	32.57

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

2412MHz_TX

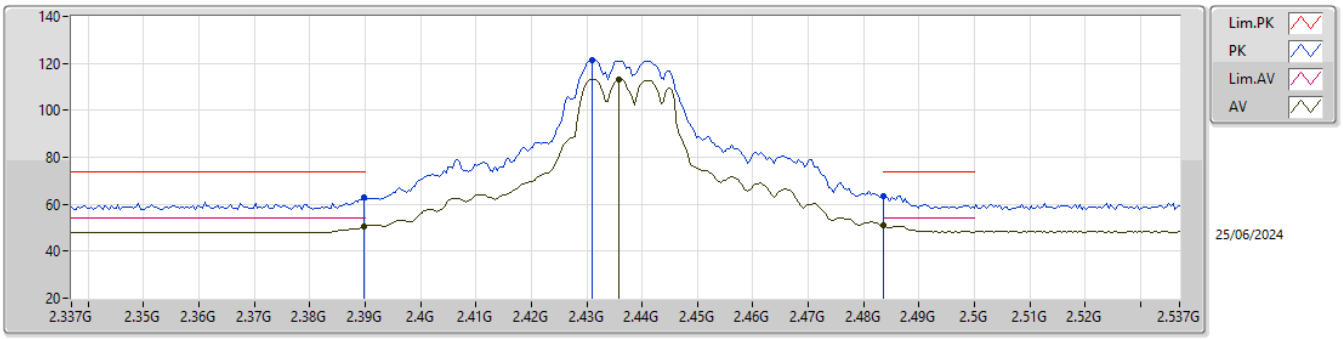


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83248G	46.56	74.00	-27.44	40.89	3	Horizontal	321	2.66	-	31.30	6.94	32.57
AV	4.82048G	33.98	54.00	-20.02	28.32	3	Horizontal	321	2.66	-	31.30	6.93	32.57

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

2437MHz_TX

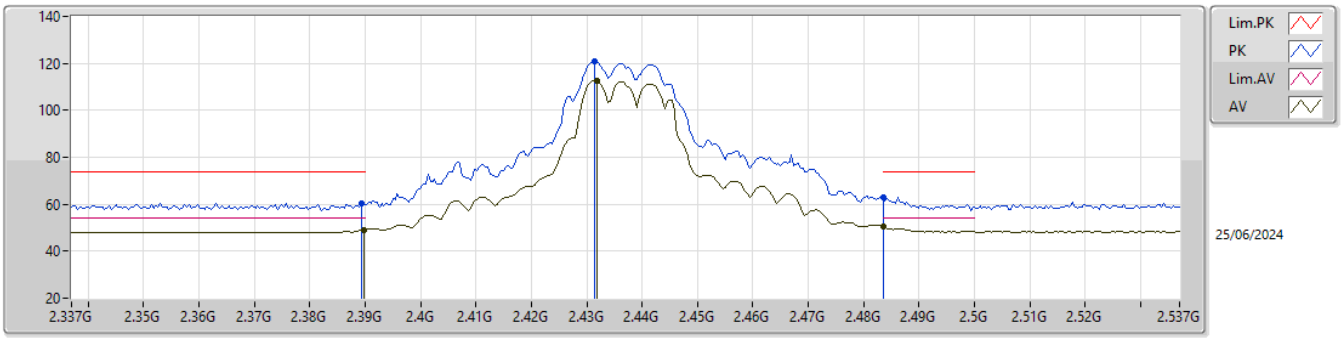


EUT Y_2TX
Setting 25
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	62.77	74.00	-11.23	30.41	3	Vertical	46	1.01	-	27.70	4.66	-
AV	2.3898G	50.41	54.00	-3.59	18.05	3	Vertical	46	1.01	-	27.70	4.66	-
PK	2.431G	121.46	Inf	-Inf	89.23	3	Vertical	46	1.01	-	27.59	4.64	-
AV	2.4358G	113.12	Inf	-Inf	80.94	3	Vertical	46	1.01	-	27.54	4.64	-
PK	2.4835G	63.70	74.00	-10.30	31.60	3	Vertical	46	1.01	-	27.50	4.60	-
AV	2.4835G	50.78	54.00	-3.22	18.68	3	Vertical	46	1.01	-	27.50	4.60	-

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

2437MHz_TX

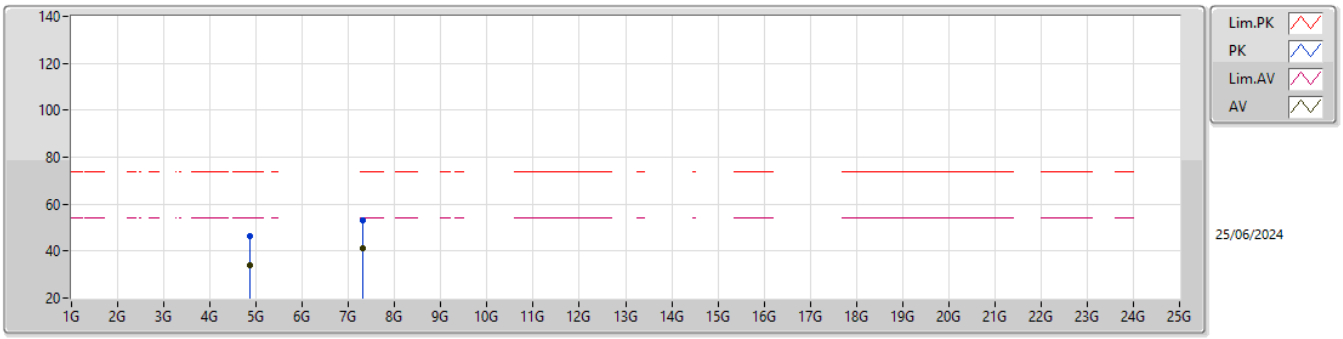


EUT Y_2TX
Setting 25
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	60.54	74.00	-13.46	28.19	3	Horizontal	360	1.01	-	27.70	4.65	-
AV	2.3898G	49.07	54.00	-4.93	16.71	3	Horizontal	360	1.01	-	27.70	4.66	-
PK	2.4314G	120.89	Inf	-Inf	88.66	3	Horizontal	360	1.01	-	27.59	4.64	-
AV	2.4318G	112.55	Inf	-Inf	80.33	3	Horizontal	360	1.01	-	27.58	4.64	-
PK	2.4835G	63.08	74.00	-10.92	30.98	3	Horizontal	360	1.01	-	27.50	4.60	-
AV	2.4835G	50.29	54.00	-3.71	18.19	3	Horizontal	360	1.01	-	27.50	4.60	-

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

2437MHz_TX

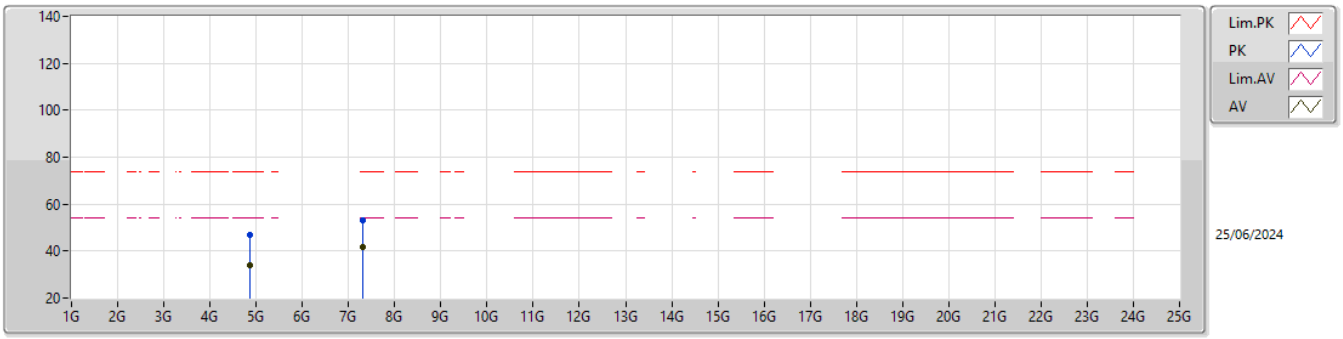


EUT Y_2TX
Setting 25
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86512G	46.17	74.00	-27.83	40.46	3	Vertical	70	1.27	-	31.30	6.98	32.57
AV	4.87368G	34.22	54.00	-19.78	28.51	3	Vertical	70	1.27	-	31.30	6.98	32.57
PK	7.30392G	53.21	74.00	-20.79	40.95	3	Vertical	187	2.08	-	36.28	8.61	32.63
AV	7.30324G	41.13	54.00	-12.87	28.86	3	Vertical	187	2.08	-	36.29	8.61	32.63

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

2437MHz_TX

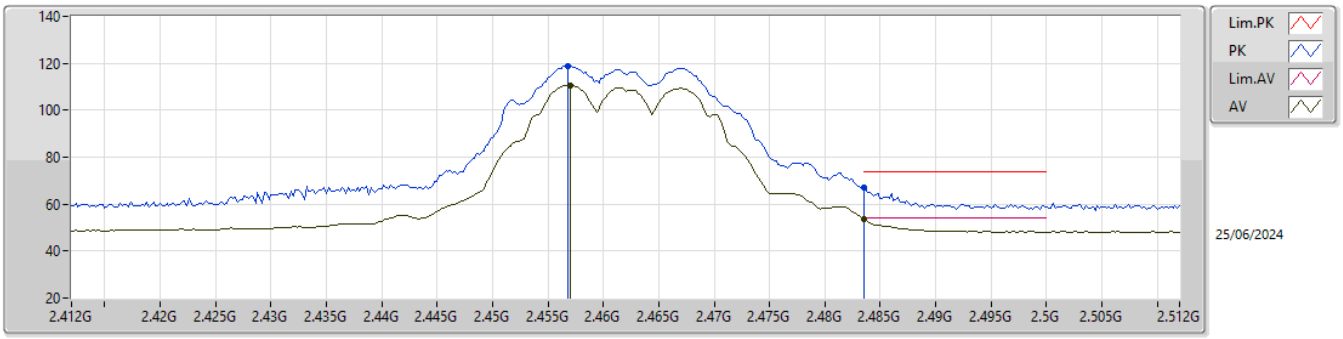


EUT Y_2TX
Setting 25
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86628G	46.86	74.00	-27.14	41.15	3	Horizontal	219	1.39	-	31.30	6.98	32.57
AV	4.87268G	34.22	54.00	-19.78	28.51	3	Horizontal	219	1.39	-	31.30	6.98	32.57
PK	7.31736G	53.36	74.00	-20.64	41.13	3	Horizontal	280	2.73	-	36.23	8.63	32.63
AV	7.30664G	41.52	54.00	-12.48	29.26	3	Horizontal	280	2.73	-	36.27	8.62	32.63

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

2462MHz_TX

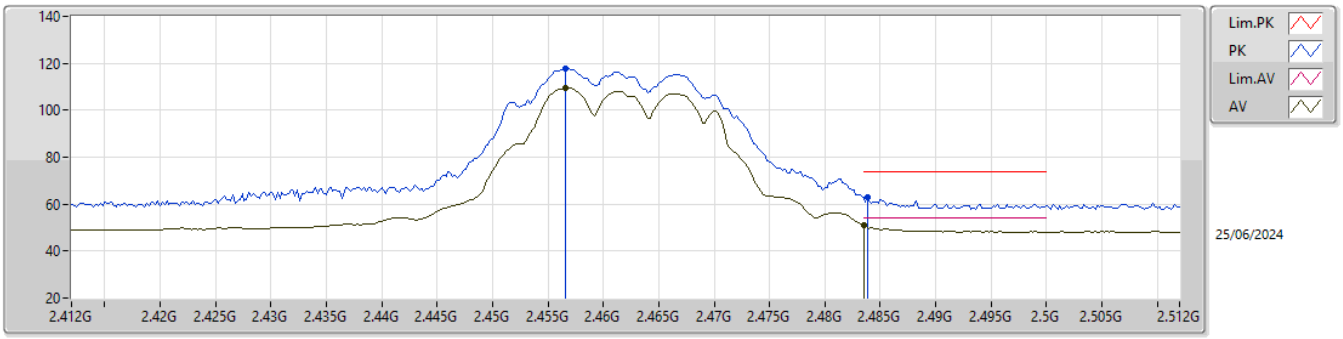


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4568G	119.02	Inf	-Inf	86.97	3	Vertical	310	1.00	-	27.43	4.62	-
AV	2.457G	110.59	Inf	-Inf	78.54	3	Vertical	310	1.00	-	27.43	4.62	-
PK	2.4835G	67.22	74.00	-6.78	35.12	3	Vertical	310	1.00	-	27.50	4.60	-
AV	2.4835G	53.81	54.00	-0.19	21.71	3	Vertical	310	1.00	-	27.50	4.60	-

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

2462MHz_TX

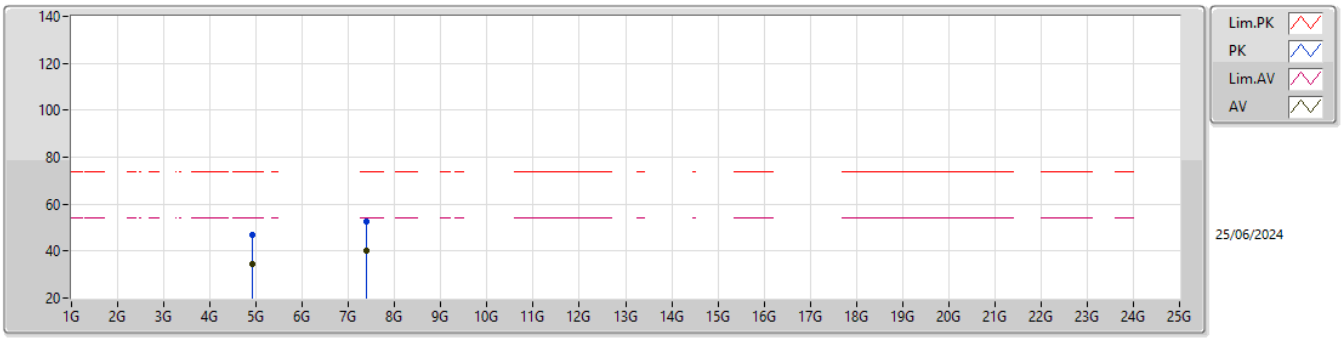


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4566G	117.89	Inf	-Inf	85.84	3	Horizontal	0	1.15	-	27.43	4.62	-
AV	2.4566G	109.37	Inf	-Inf	77.32	3	Horizontal	0	1.15	-	27.43	4.62	-
PK	2.4838G	62.97	74.00	-11.03	30.87	3	Horizontal	0	1.15	-	27.50	4.60	-
AV	2.4835G	50.78	54.00	-3.22	18.68	3	Horizontal	0	1.15	-	27.50	4.60	-

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

2462MHz_TX

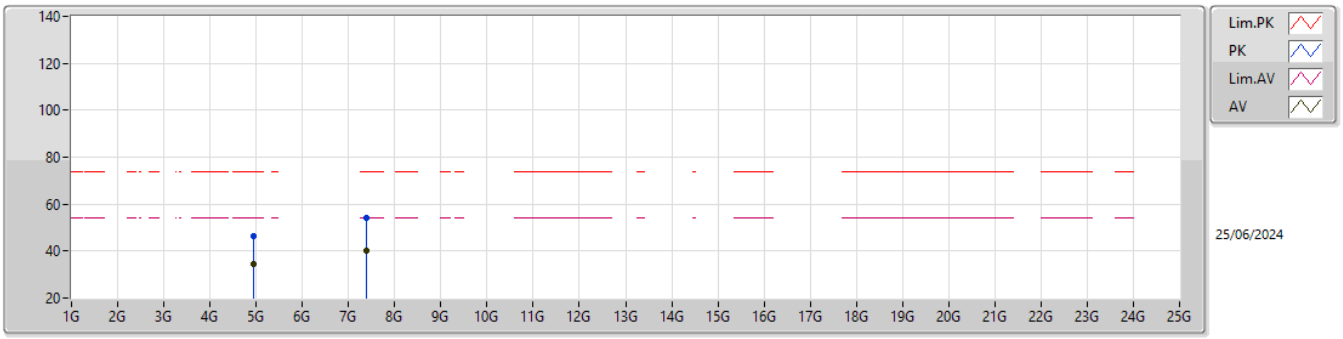


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92464G	46.78	74.00	-27.22	40.93	3	Vertical	268	2.37	-	31.40	7.03	32.58
AV	4.92488G	34.28	54.00	-19.72	28.43	3	Vertical	268	2.37	-	31.40	7.03	32.58
PK	7.39152G	52.56	74.00	-21.44	40.34	3	Vertical	132	2.94	-	36.10	8.72	32.60
AV	7.39596G	40.40	54.00	-13.60	28.17	3	Vertical	132	2.94	-	36.10	8.73	32.60

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

2462MHz_TX

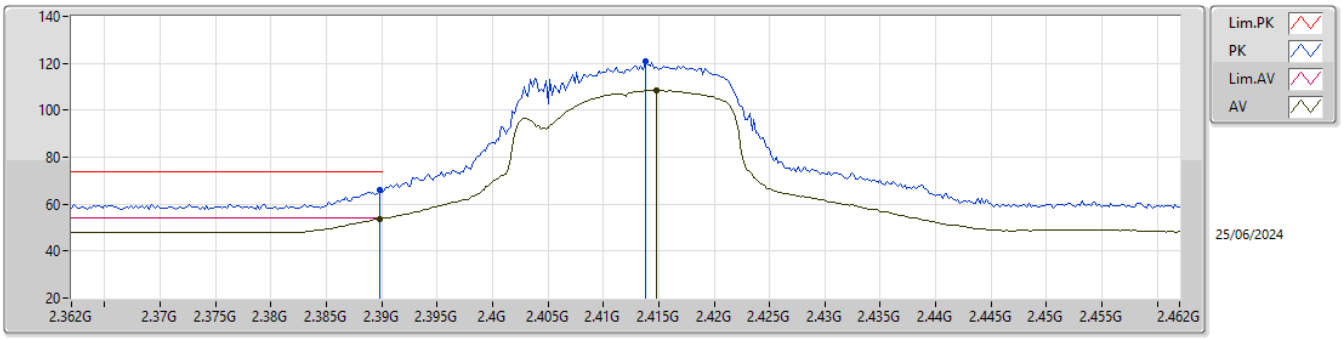


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.93136G	46.56	74.00	-27.44	40.67	3	Horizontal	194	1.06	-	31.43	7.04	32.58
AV	4.9338G	34.26	54.00	-19.74	28.36	3	Horizontal	194	1.06	-	31.44	7.04	32.58
PK	7.39268G	54.18	74.00	-19.82	41.96	3	Horizontal	311	1.04	-	36.10	8.72	32.60
AV	7.395G	40.38	54.00	-13.62	28.16	3	Horizontal	311	1.04	-	36.10	8.72	32.60

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

2412MHz_TX

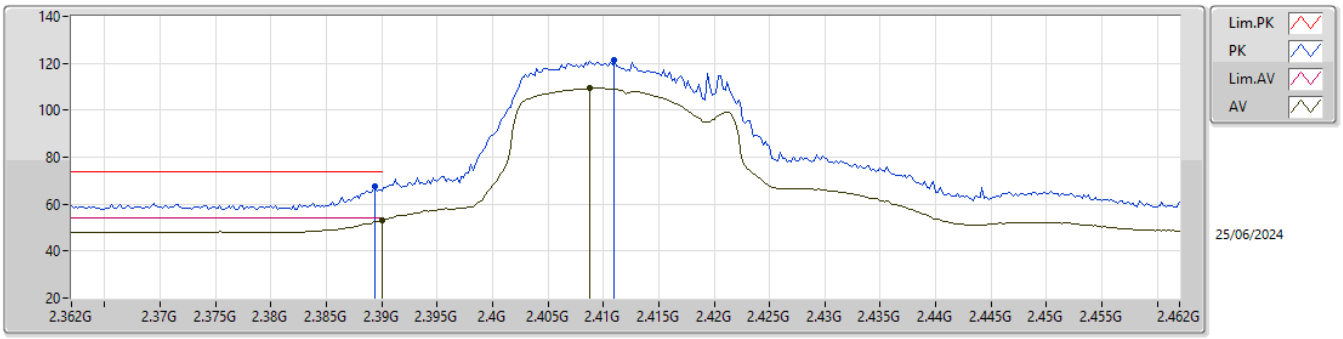


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	65.85	74.00	-8.15	33.49	3	Vertical	14	1.80	-	27.70	4.66	-
AV	2.3898G	53.84	54.00	-0.16	21.48	3	Vertical	14	1.80	-	27.70	4.66	-
PK	2.4138G	120.80	Inf	-Inf	88.50	3	Vertical	14	1.80	-	27.64	4.66	-
AV	2.4148G	108.40	Inf	-Inf	76.09	3	Vertical	14	1.80	-	27.65	4.66	-

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

2412MHz_TX

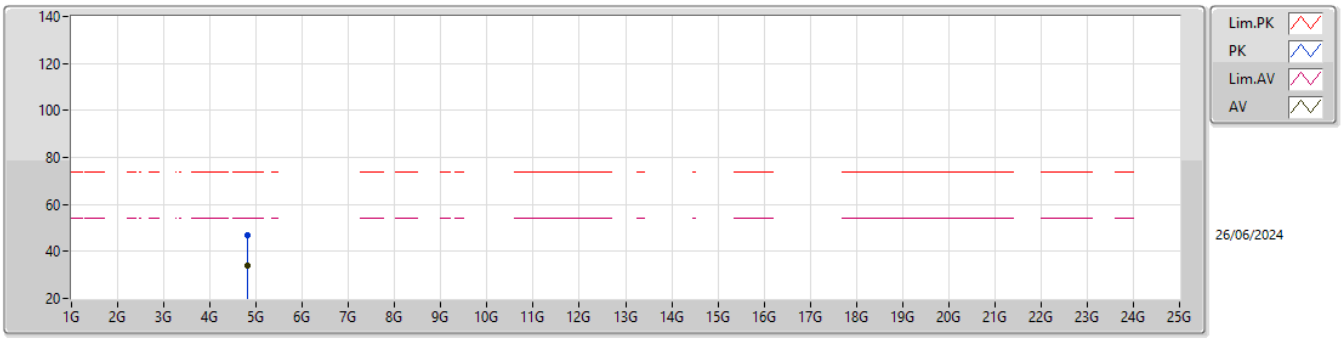


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	67.40	74.00	-6.60	35.05	3	Horizontal	0	1.00	-	27.70	4.65	-
AV	2.39G	53.33	54.00	-0.67	20.97	3	Horizontal	0	1.00	-	27.70	4.66	-
PK	2.411G	121.36	Inf	-Inf	89.09	3	Horizontal	0	1.00	-	27.61	4.66	-
AV	2.4088G	109.33	Inf	-Inf	77.06	3	Horizontal	0	1.00	-	27.61	4.66	-

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

2412MHz_TX

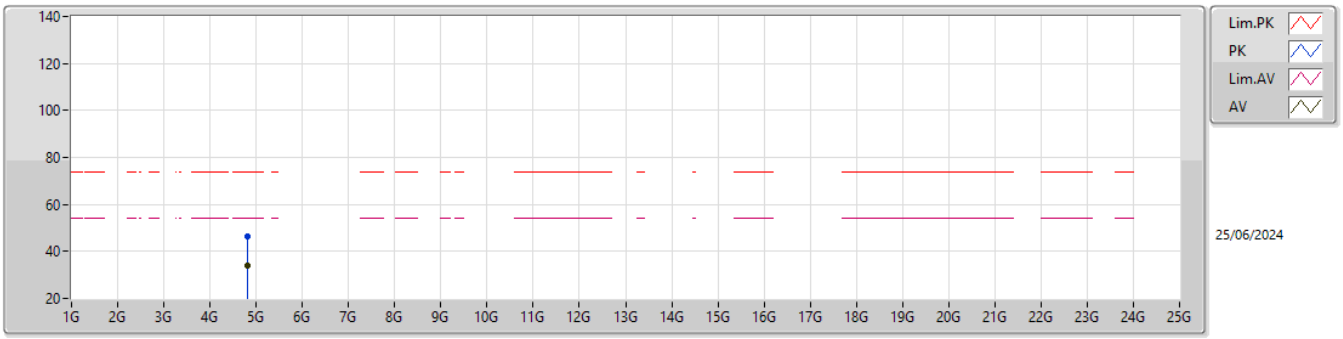


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.81756G	46.91	74.00	-27.09	41.25	3	Vertical	55	1.02	-	31.30	6.93	32.57
AV	4.81528G	34.22	54.00	-19.78	28.56	3	Vertical	55	1.02	-	31.30	6.93	32.57

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

2412MHz_TX

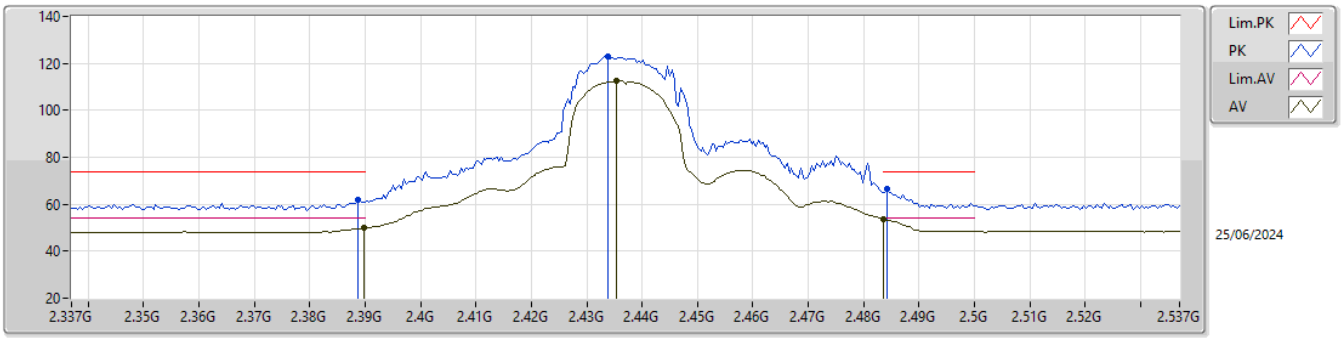


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.81656G	46.31	74.00	-27.69	40.65	3	Horizontal	178	1.67	-	31.30	6.93	32.57
AV	4.81536G	34.16	54.00	-19.84	28.50	3	Horizontal	178	1.67	-	31.30	6.93	32.57

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

2437MHz_TX

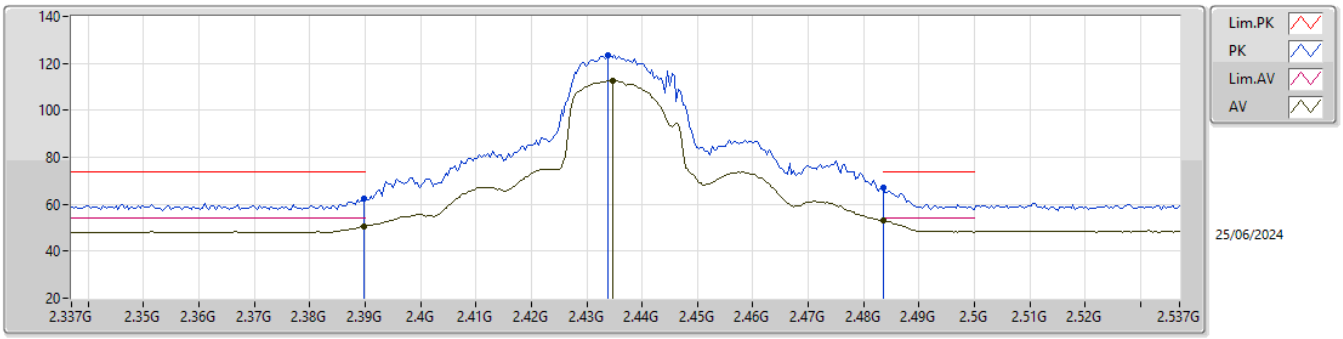


EUT Y_2TX
Setting 25
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	61.88	74.00	-12.12	29.53	3	Vertical	309	1.01	-	27.70	4.65	-
AV	2.3898G	49.89	54.00	-4.11	17.53	3	Vertical	309	1.01	-	27.70	4.66	-
PK	2.4338G	122.76	Inf	-Inf	90.56	3	Vertical	309	1.01	-	27.56	4.64	-
AV	2.4354G	112.60	Inf	-Inf	80.41	3	Vertical	309	1.01	-	27.55	4.64	-
PK	2.4842G	66.74	74.00	-7.26	34.64	3	Vertical	309	1.01	-	27.50	4.60	-
AV	2.4835G	53.81	54.00	-0.19	21.71	3	Vertical	309	1.01	-	27.50	4.60	-

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

2437MHz_TX

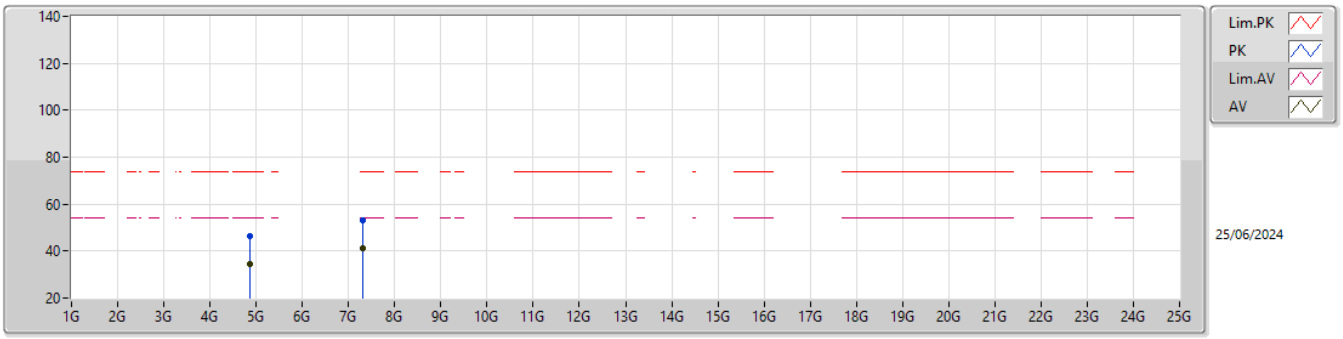


EUT Y_2TX
Setting 25
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	62.22	74.00	-11.78	29.86	3	Horizontal	0	1.00	-	27.70	4.66	-
AV	2.3898G	50.65	54.00	-3.35	18.29	3	Horizontal	0	1.00	-	27.70	4.66	-
PK	2.4338G	123.24	Inf	-Inf	91.04	3	Horizontal	0	1.00	-	27.56	4.64	-
AV	2.4346G	112.50	Inf	-Inf	80.31	3	Horizontal	0	1.00	-	27.55	4.64	-
PK	2.4835G	66.82	74.00	-7.18	34.72	3	Horizontal	0	1.00	-	27.50	4.60	-
AV	2.4835G	52.91	54.00	-1.09	20.81	3	Horizontal	0	1.00	-	27.50	4.60	-

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

2437MHz_TX

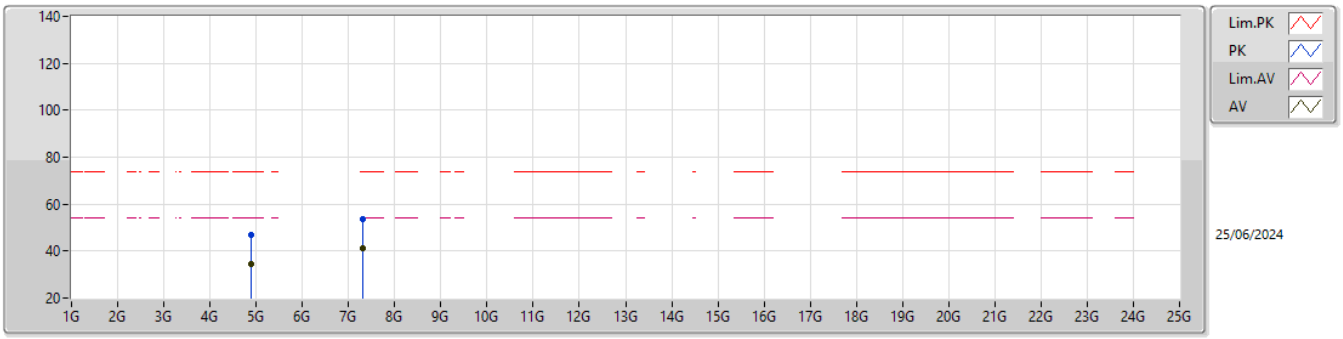


EUT Y_2TX
Setting 25
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86948G	46.24	74.00	-27.76	40.53	3	Vertical	292	2.30	-	31.30	6.98	32.57
AV	4.87368G	34.32	54.00	-19.68	28.61	3	Vertical	292	2.30	-	31.30	6.98	32.57
PK	7.30536G	53.04	74.00	-20.96	40.77	3	Vertical	289	1.12	-	36.28	8.62	32.63
AV	7.31032G	41.44	54.00	-12.56	29.19	3	Vertical	289	1.12	-	36.26	8.62	32.63

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

2437MHz_TX

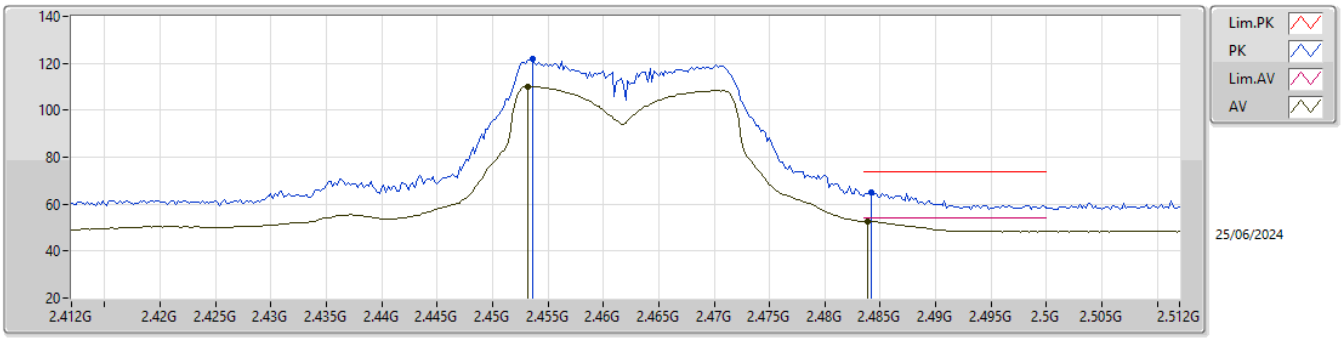


EUT Y_2TX
Setting 25
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87744G	46.85	74.00	-27.15	41.14	3	Horizontal	154	2.82	-	31.30	6.99	32.58
AV	4.8802G	34.33	54.00	-19.67	28.62	3	Horizontal	154	2.82	-	31.30	6.99	32.58
PK	7.3058G	53.41	74.00	-20.59	41.14	3	Horizontal	212	1.63	-	36.28	8.62	32.63
AV	7.31024G	41.32	54.00	-12.68	29.07	3	Horizontal	212	1.63	-	36.26	8.62	32.63

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

2462MHz_TX

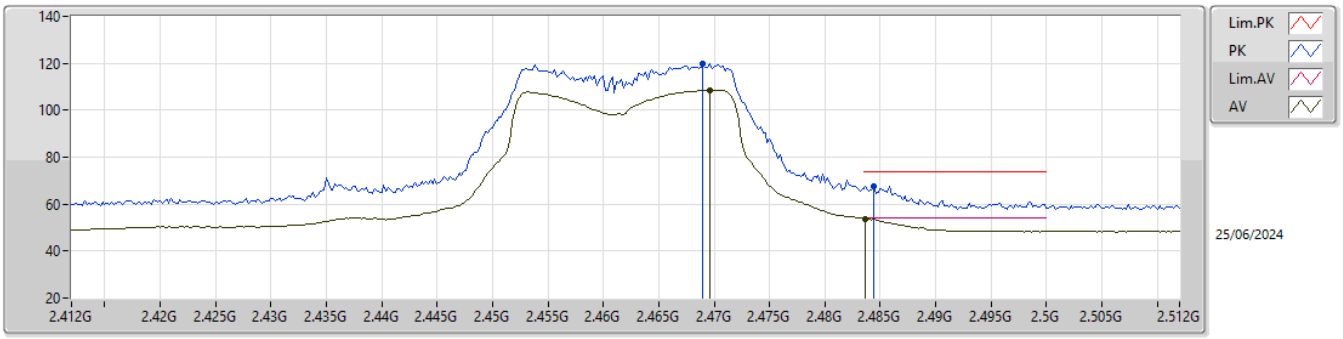


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4536G	122.08	Inf	-Inf	90.00	3	Vertical	305	1.00	-	27.46	4.62	-
AV	2.4532G	110.17	Inf	-Inf	78.08	3	Vertical	305	1.00	-	27.47	4.62	-
PK	2.4842G	65.20	74.00	-8.80	33.10	3	Vertical	305	1.00	-	27.50	4.60	-
AV	2.4838G	52.72	54.00	-1.28	20.62	3	Vertical	305	1.00	-	27.50	4.60	-

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

2462MHz_TX

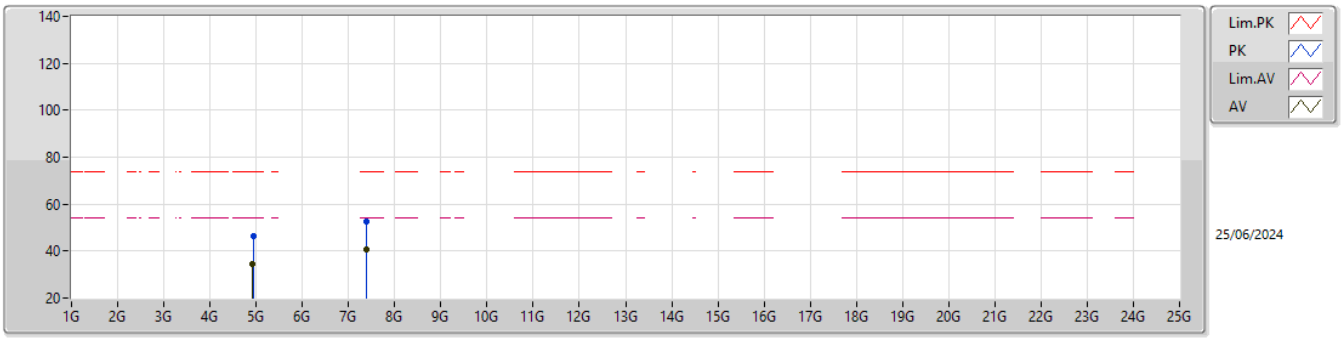


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.469G	119.92	Inf	-Inf	87.91	3	Horizontal	5	2.81	-	27.40	4.61	-
AV	2.4696G	108.45	Inf	-Inf	76.44	3	Horizontal	5	2.81	-	27.40	4.61	-
PK	2.4844G	67.72	74.00	-6.28	35.62	3	Horizontal	5	2.81	-	27.50	4.60	-
AV	2.4836G	53.81	54.00	-0.19	21.71	3	Horizontal	5	2.81	-	27.50	4.60	-

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

2462MHz_TX

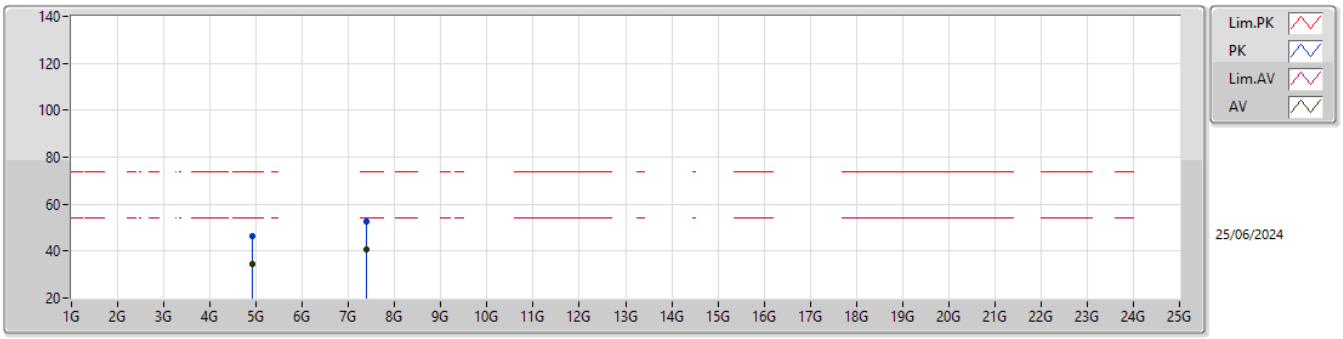


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9318G	46.59	74.00	-27.41	40.70	3	Vertical	131	1.06	-	31.43	7.04	32.58
AV	4.91556G	34.41	54.00	-19.59	28.60	3	Vertical	131	1.06	-	31.36	7.03	32.58
PK	7.38256G	52.76	74.00	-21.24	40.55	3	Vertical	86	2.43	-	36.10	8.71	32.60
AV	7.37956G	40.67	54.00	-13.33	28.47	3	Vertical	86	2.43	-	36.10	8.71	32.61

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

2462MHz_TX

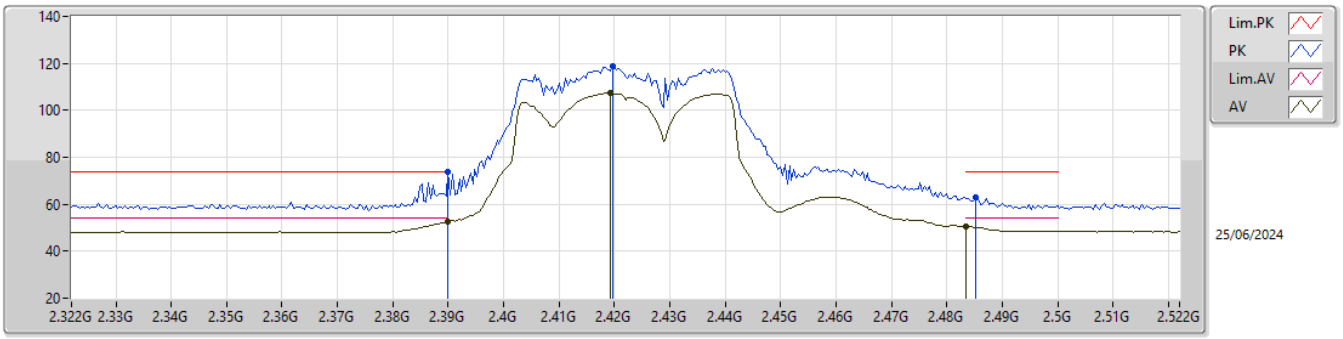


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92208G	46.58	74.00	-27.42	40.74	3	Horizontal	239	2.36	-	31.39	7.03	32.58
AV	4.92416G	34.47	54.00	-19.53	28.62	3	Horizontal	239	2.36	-	31.40	7.03	32.58
PK	7.38564G	52.48	74.00	-21.52	40.27	3	Horizontal	182	2.10	-	36.10	8.71	32.60
AV	7.39544G	40.58	54.00	-13.42	28.36	3	Horizontal	182	2.10	-	36.10	8.72	32.60

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

2422MHz_TX

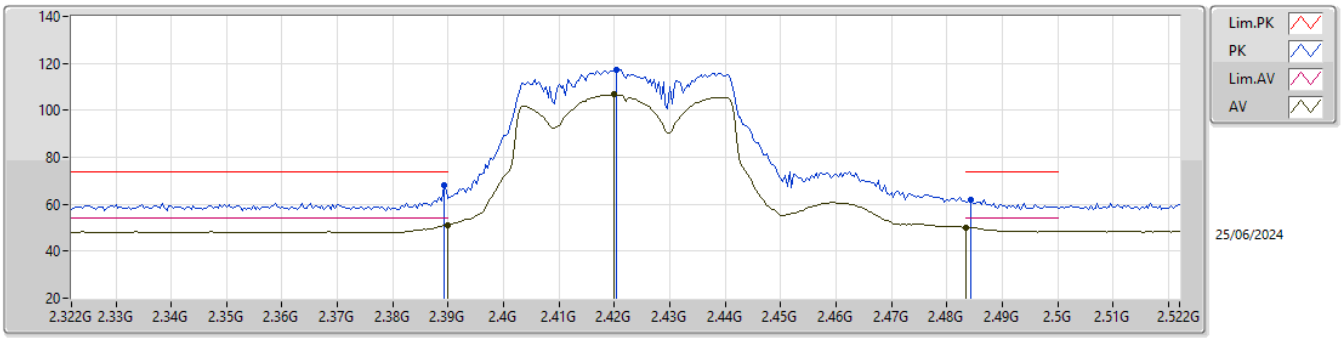


EUT Y_2TX
Setting 22.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	73.64	74.00	-0.36	41.28	3	Vertical	43	1.00	-	27.70	4.66	-
AV	2.39G	52.39	54.00	-1.61	20.03	3	Vertical	43	1.00	-	27.70	4.66	-
PK	2.4196G	119.02	Inf	-Inf	86.67	3	Vertical	43	1.00	-	27.70	4.65	-
AV	2.4192G	107.22	Inf	-Inf	74.88	3	Vertical	43	1.00	-	27.69	4.65	-
PK	2.4852G	62.91	74.00	-11.09	30.81	3	Vertical	43	1.00	-	27.50	4.60	-
AV	2.4835G	50.29	54.00	-3.71	18.19	3	Vertical	43	1.00	-	27.50	4.60	-

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

2422MHz_TX

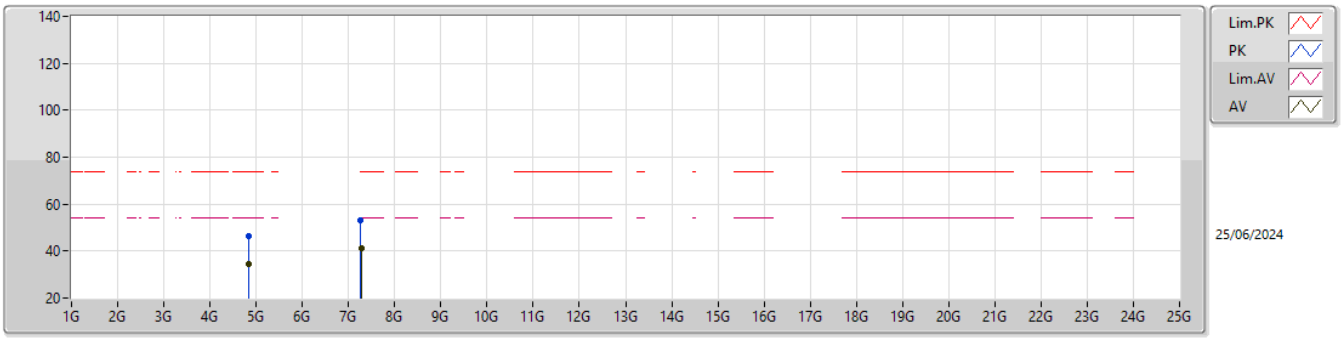


EUT Y_2TX
Setting 22.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	68.16	74.00	-5.84	35.81	3	Horizontal	0	1.00	-	27.70	4.65	-
AV	2.39G	51.12	54.00	-2.88	18.76	3	Horizontal	0	1.00	-	27.70	4.66	-
PK	2.4204G	117.47	Inf	-Inf	85.12	3	Horizontal	0	1.00	-	27.70	4.65	-
AV	2.42G	106.72	Inf	-Inf	74.37	3	Horizontal	0	1.00	-	27.70	4.65	-
PK	2.4844G	61.90	74.00	-12.10	29.80	3	Horizontal	0	1.00	-	27.50	4.60	-
AV	2.4835G	50.03	54.00	-3.97	17.93	3	Horizontal	0	1.00	-	27.50	4.60	-

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

2422MHz_TX

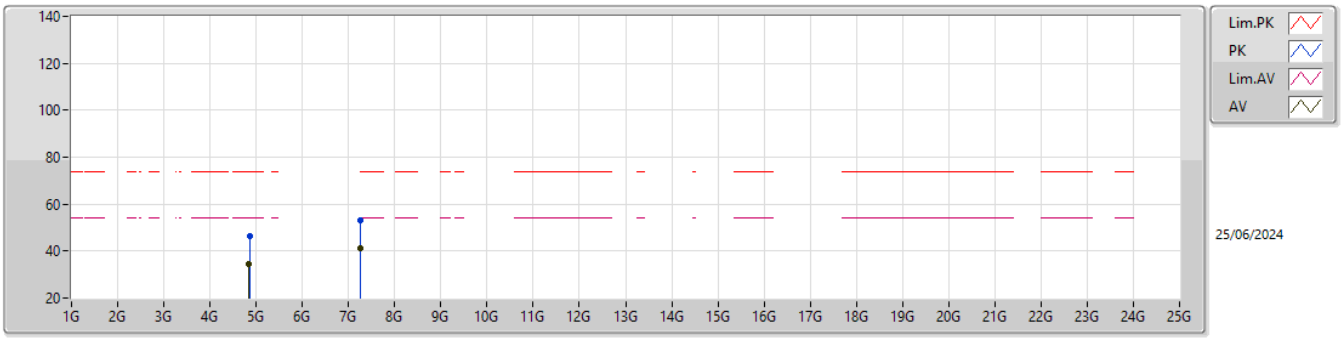


EUT Y_2TX
Setting 22.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83756G	46.62	74.00	-27.38	40.94	3	Vertical	357	2.42	-	31.30	6.95	32.57
AV	4.84088G	34.33	54.00	-19.67	28.65	3	Vertical	357	2.42	-	31.30	6.95	32.57
PK	7.26116G	53.35	74.00	-20.65	41.22	3	Vertical	19	2.77	-	36.22	8.56	32.65
AV	7.27596G	41.36	54.00	-12.64	29.18	3	Vertical	19	2.77	-	36.25	8.58	32.65

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

2422MHz_TX

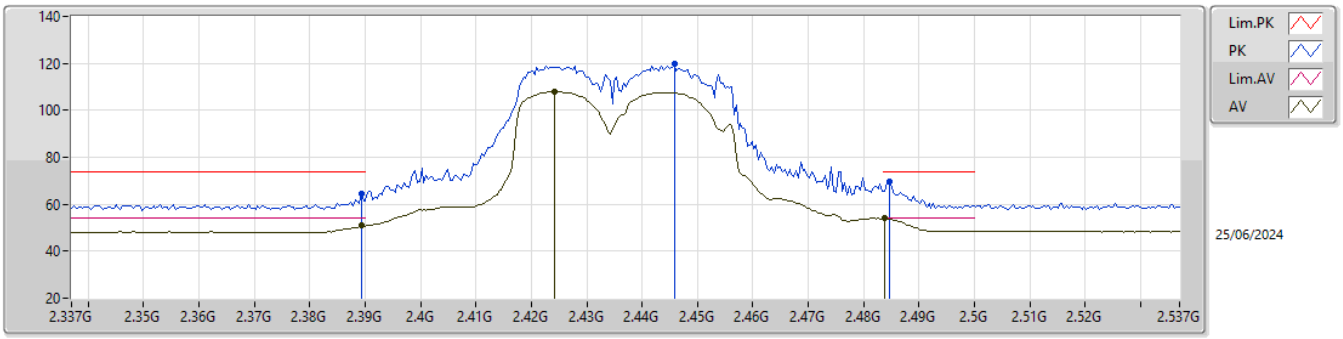


EUT Y_2TX
Setting 22.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.85332G	46.22	74.00	-27.78	40.53	3	Horizontal	161	2.72	-	31.30	6.96	32.57
AV	4.83948G	34.23	54.00	-19.77	28.55	3	Horizontal	161	2.72	-	31.30	6.95	32.57
PK	7.2662G	53.21	74.00	-20.79	41.06	3	Horizontal	204	1.61	-	36.23	8.57	32.65
AV	7.25812G	41.37	54.00	-12.63	29.24	3	Horizontal	204	1.61	-	36.22	8.56	32.65

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

2437MHz_TX

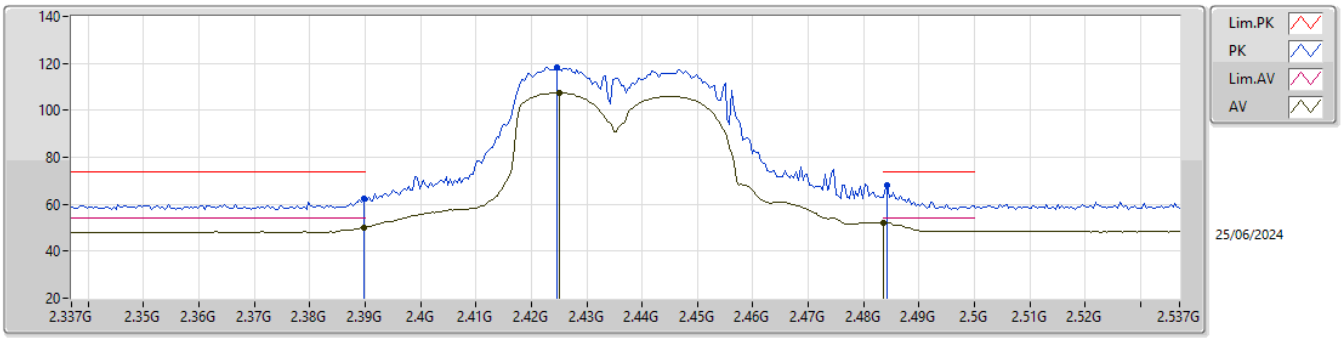


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	64.58	74.00	-9.42	32.23	3	Vertical	41	1.01	-	27.70	4.65	-
AV	2.3894G	51.11	54.00	-2.89	18.76	3	Vertical	41	1.01	-	27.70	4.65	-
PK	2.4458G	119.59	Inf	-Inf	87.46	3	Vertical	41	1.01	-	27.50	4.63	-
AV	2.4242G	107.95	Inf	-Inf	75.64	3	Vertical	41	1.01	-	27.66	4.65	-
PK	2.4846G	69.59	74.00	-4.41	37.49	3	Vertical	41	1.01	-	27.50	4.60	-
AV	2.4838G	53.98	54.00	-0.02	21.88	3	Vertical	41	1.01	-	27.50	4.60	-

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

2437MHz_TX

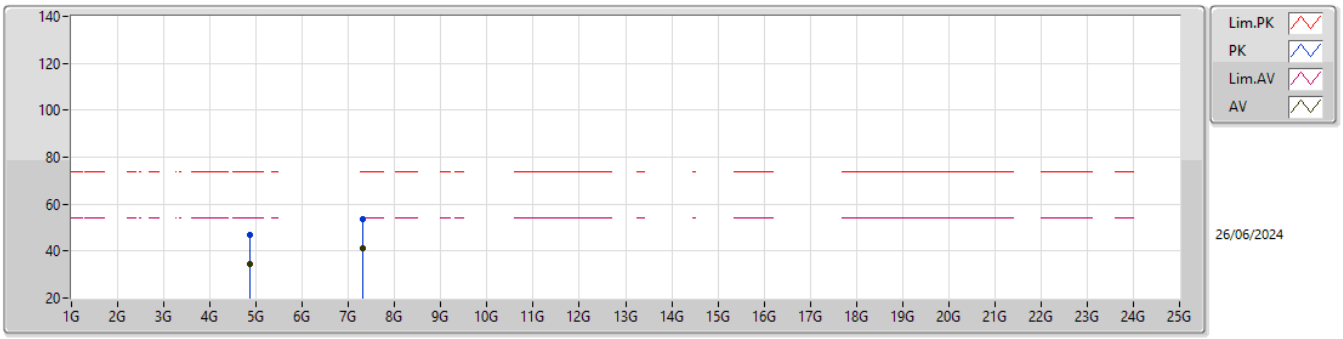


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	62.53	74.00	-11.47	30.17	3	Horizontal	360	1.00	-	27.70	4.66	-
AV	2.3898G	50.15	54.00	-3.85	17.79	3	Horizontal	360	1.00	-	27.70	4.66	-
PK	2.4246G	118.31	Inf	-Inf	86.01	3	Horizontal	360	1.00	-	27.65	4.65	-
AV	2.425G	107.36	Inf	-Inf	75.06	3	Horizontal	360	1.00	-	27.65	4.65	-
PK	2.4842G	68.28	74.00	-5.72	36.18	3	Horizontal	360	1.00	-	27.50	4.60	-
AV	2.4835G	51.91	54.00	-2.09	19.81	3	Horizontal	360	1.00	-	27.50	4.60	-

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

2437MHz_TX

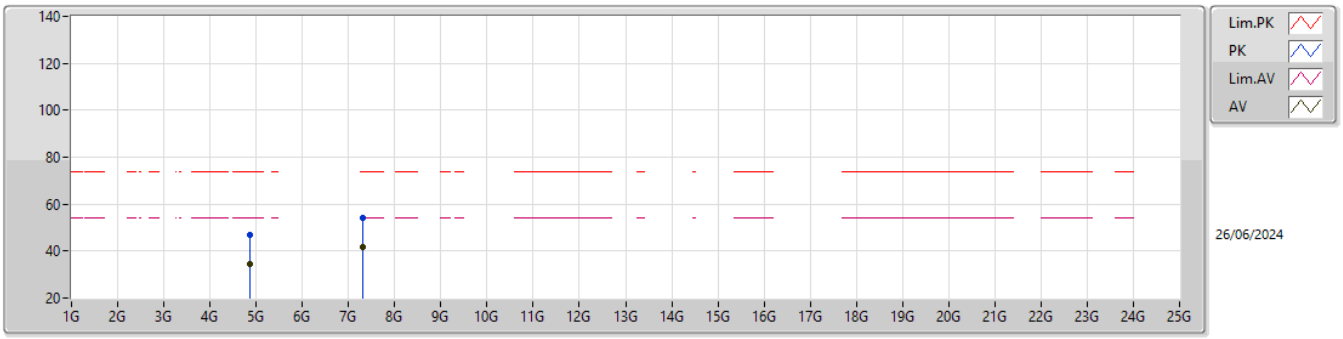


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.86636G	47.08	74.00	-26.92	41.37	3	Vertical	23	2.22	-	31.30	6.98	32.57
AV	4.87276G	34.36	54.00	-19.64	28.65	3	Vertical	23	2.22	-	31.30	6.98	32.57
PK	7.30552G	53.56	74.00	-20.44	41.29	3	Vertical	185	1.01	-	36.28	8.62	32.63
AV	7.301G	41.43	54.00	-12.57	29.16	3	Vertical	185	1.01	-	36.30	8.61	32.64

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

2437MHz_TX

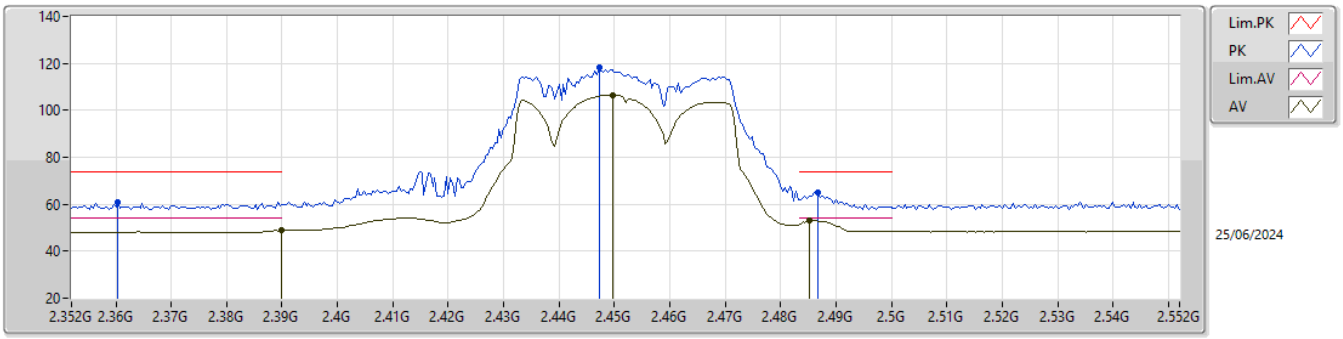


EUT Y_2TX
Setting 23
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8768G	46.65	74.00	-27.35	40.94	3	Horizontal	40	2.65	-	31.30	6.99	32.58
AV	4.87384G	34.41	54.00	-19.59	28.70	3	Horizontal	40	2.65	-	31.30	6.98	32.57
PK	7.30996G	54.30	74.00	-19.70	42.05	3	Horizontal	36	1.84	-	36.26	8.62	32.63
AV	7.30272G	41.48	54.00	-12.52	29.21	3	Horizontal	36	1.84	-	36.29	8.61	32.63

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

2452MHz_TX

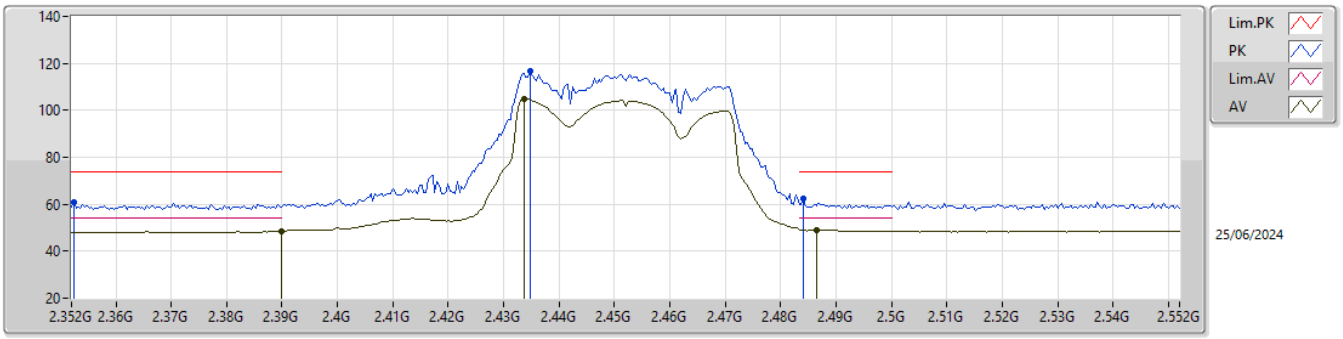


EUT Y_2TX
Setting 21
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3604G	60.75	74.00	-13.25	28.24	3	Vertical	40	1.01	-	27.90	4.61	-
AV	2.39G	48.77	54.00	-5.23	16.41	3	Vertical	40	1.01	-	27.70	4.66	-
PK	2.4472G	118.45	Inf	-Inf	86.32	3	Vertical	40	1.01	-	27.50	4.63	-
AV	2.4496G	106.50	Inf	-Inf	74.37	3	Vertical	40	1.01	-	27.50	4.63	-
PK	2.4868G	64.97	74.00	-9.03	32.87	3	Vertical	40	1.01	-	27.50	4.60	-
AV	2.4852G	52.92	54.00	-1.08	20.82	3	Vertical	40	1.01	-	27.50	4.60	-

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

2452MHz_TX

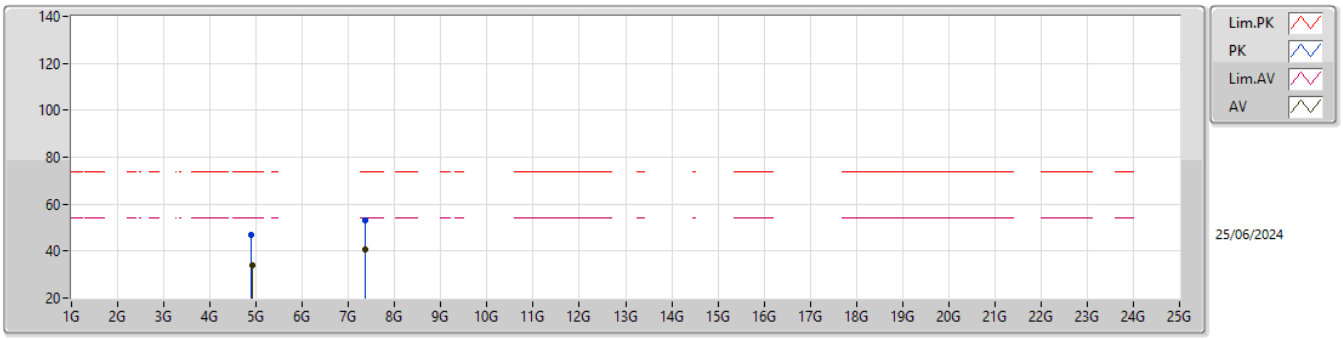


EUT Y_2TX
Setting 21
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3524G	60.72	74.00	-13.28	28.14	3	Horizontal	351	1.00	-	27.98	4.60	-
AV	2.39G	48.47	54.00	-5.53	16.11	3	Horizontal	351	1.00	-	27.70	4.66	-
PK	2.4348G	116.56	Inf	-Inf	84.37	3	Horizontal	351	1.00	-	27.55	4.64	-
AV	2.4336G	104.99	Inf	-Inf	72.79	3	Horizontal	351	1.00	-	27.56	4.64	-
PK	2.484G	62.42	74.00	-11.58	30.32	3	Horizontal	351	1.00	-	27.50	4.60	-
AV	2.4864G	49.21	54.00	-4.79	17.11	3	Horizontal	351	1.00	-	27.50	4.60	-

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

2452MHz_TX

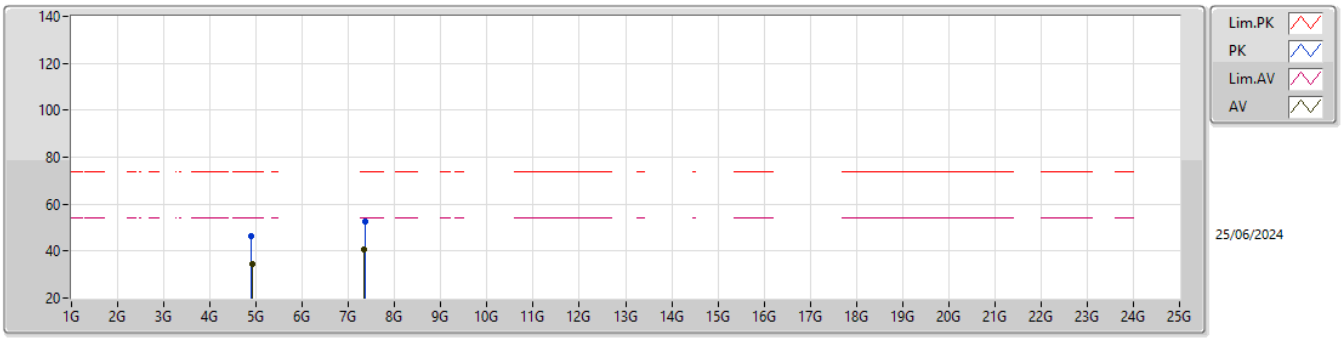


EUT Y_2TX
Setting 21
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.89452G	47.00	74.00	-27.00	41.28	3	Vertical	216	1.03	-	31.30	7.00	32.58
AV	4.904G	34.22	54.00	-19.78	28.47	3	Vertical	216	1.03	-	31.32	7.01	32.58
PK	7.35532G	52.88	74.00	-21.12	40.71	3	Vertical	343	1.51	-	36.10	8.68	32.61
AV	7.35628G	40.88	54.00	-13.12	28.71	3	Vertical	343	1.51	-	36.10	8.68	32.61

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

2452MHz_TX



EUT Y_2TX
Setting 21
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9016G	46.23	74.00	-27.77	40.49	3	Horizontal	136	1.48	-	31.31	7.01	32.58
AV	4.91396G	34.30	54.00	-19.70	28.50	3	Horizontal	136	1.48	-	31.36	7.02	32.58
PK	7.35704G	52.80	74.00	-21.20	40.63	3	Horizontal	250	1.13	-	36.10	8.68	32.61
AV	7.3462G	40.87	54.00	-13.13	28.70	3	Horizontal	250	1.13	-	36.12	8.67	32.62

<Radio 1>

For WLAN 2.4GHz: 47 CFR FCC Part 15, Subpart C (Section 15.247) - DTS

Test Items	Mode (MHz)	Reference Worst-Case (R_{dB})	Variant Test (V_{dB})	dB Difference (d_{dB})	Spot-Check Parameters	Pass Criterion ($d_{dB} < d_{dBmax}(M_{dB})$)
Maximum Conducted Output Power	802.11b_Nss1,(1Mbps)_2TX 2462 MHz	29.78	29.66	-0.12	C_{dB}=30dBm $M_{dB}=\|C_{dB}-R_{dB}\|$=0.22 $d_{dBmax}(M_{dB})$= 3.01	Pass
Emissions in Non-restricted Frequency Bands	802.11b_Nss1,(1Mbps)_2TX 2462 MHz	-35.67	-38.42	-2.75	C_{dB}=-11.37 dBm $M_{dB}=\|C_{dB}-R_{dB}\|$=24.3 $d_{dBmax}(M_{dB})$= 4.22	Pass
Emissions in Restricted Frequency Bands Harmonic	802.11b_Nss1,(1Mbps)_2TX 2412 MHz	42.29	38.58	-3.71	C_{dB}= 54 dBuV/m $M_{dB}=\|C_{dB}-R_{dB}\|$= 11.71 $d_{dBmax}(M_{dB})$= 3.59	Pass
Emissions in Restricted Frequency Bands Band-edge	802.11b_Nss1,(1Mbps)_2TX 2462MHz	53.89	53.80	-0.09	C_{dB}= 54 dBuV/m $M_{dB}=\|C_{dB}=R_{dB}\|$= 0.11 $d_{dBmax}(M_{dB})$= 3.01	Pass

Compared Test Result

Maximum Conducted Output Power

Parent Device								
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX 2462MHz	Pass	5.54	26.8	26.73	-	-	29.78	30.00

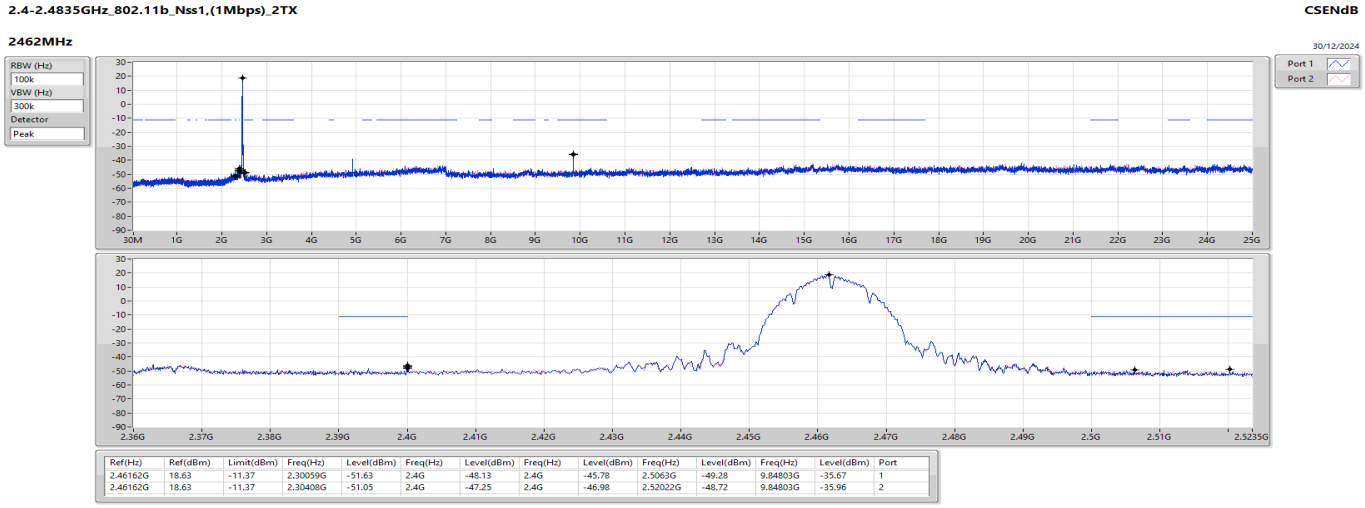
Variant Device								
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX 2462MHz	Pass	5.54	26.50	26.80	-	-	29.66	30.00

Emissions in Non-restricted Frequency Bands

Radio 1 / 802.11b_Nss1,(1Mbps)_2TX 2462 MHz

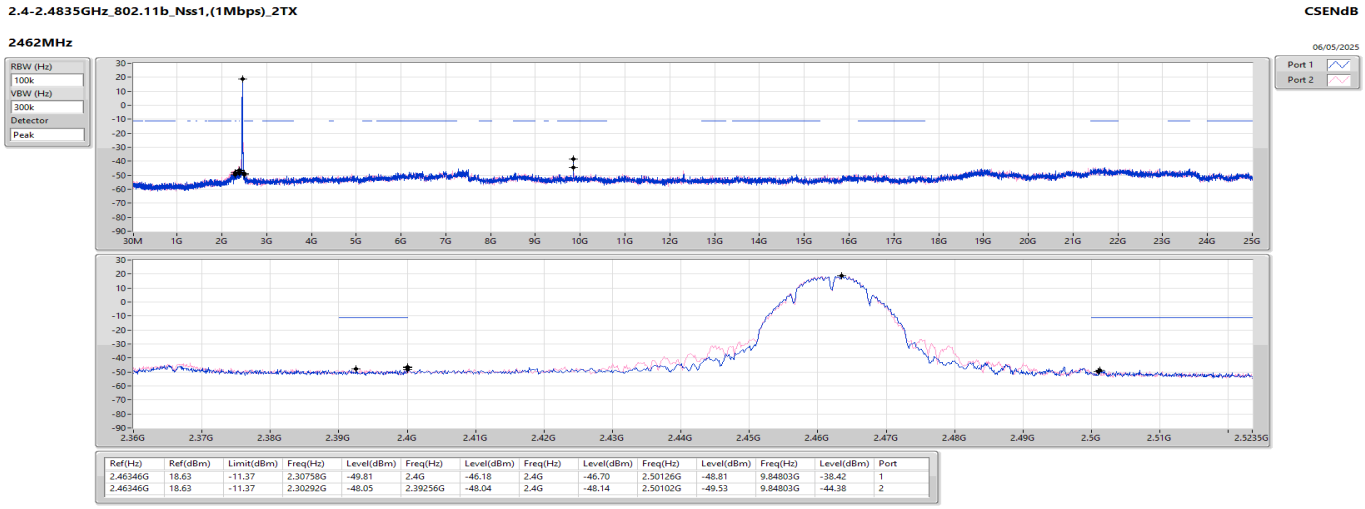
Parent Device

Mode	Result	Ref	Ref	Limit	Freq	Level	Freq	Level	Freq	Level	Freq	Level	Freq	Level	Port
		(Hz)	(dBm)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2462MHz	Pass	2.46162G	18.63	-11.37	2.30059G	-51.63	2.4G	-48.13	2.4G	-45.78	2.5063G	-49.28	9.84803G	-35.67	1
2462MHz	Pass	2.46162G	18.63	-11.37	2.30408G	-51.05	2.4G	-47.25	2.4G	-46.98	2.52022G	-48.72	9.84803G	-35.96	2



Variant Device

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2462MHz	Pass	2.46346G	18.63	-11.37	2.30758G	-49.81	2.4G	-46.18	2.4G	-46.70	2.50126G	-48.81	9.84803G	-38.42	1
2462MHz	Pass	2.46346G	18.63	-11.37	2.30292G	-48.05	2.39256G	-48.04	2.4G	-48.14	2.50102G	-49.53	9.84803G	-44.38	2



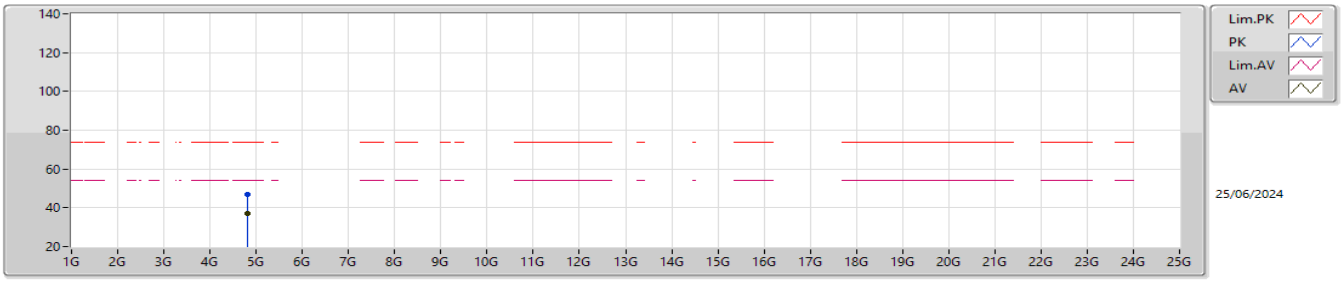
Emissions in Restricted Frequency Bands / Harmonic

Radio 1 / 802.11b_Nss1,(1Mbps)_2TX 2412 MHz

Parent Device

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

2412MHz_TX

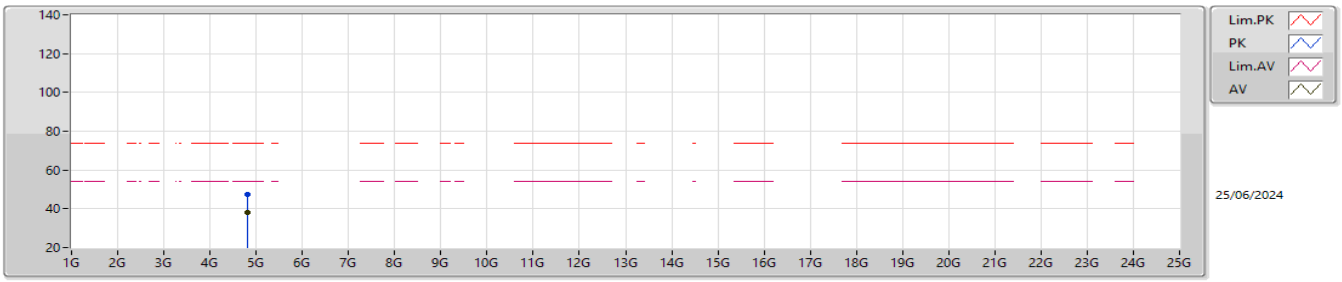


EUT Y_2TX
Setting 25.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82408G	47.06	74.00	-26.94	41.40	3	Vertical	58.7	1.00	-	31.30	6.93	32.57
AV	4.82396G	37.11	54.00	-16.89	31.45	3	Vertical	59	1.00	-	31.30	6.93	32.57

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

2412MHz_TX



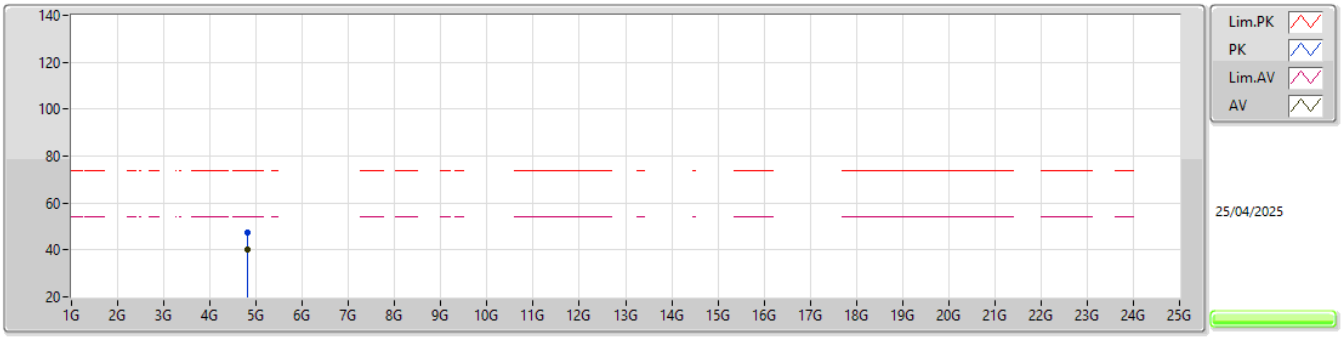
EUT Y_2TX
Setting 25.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82404G	47.27	74.00	-26.73	41.61	3	Horizontal	323	2.21	-	31.30	6.93	32.57
AV	4.824G	38.19	54.00	-15.81	32.53	3	Horizontal	323	2.21	-	31.30	6.93	32.57

Variant Device

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

2412MHz_TX

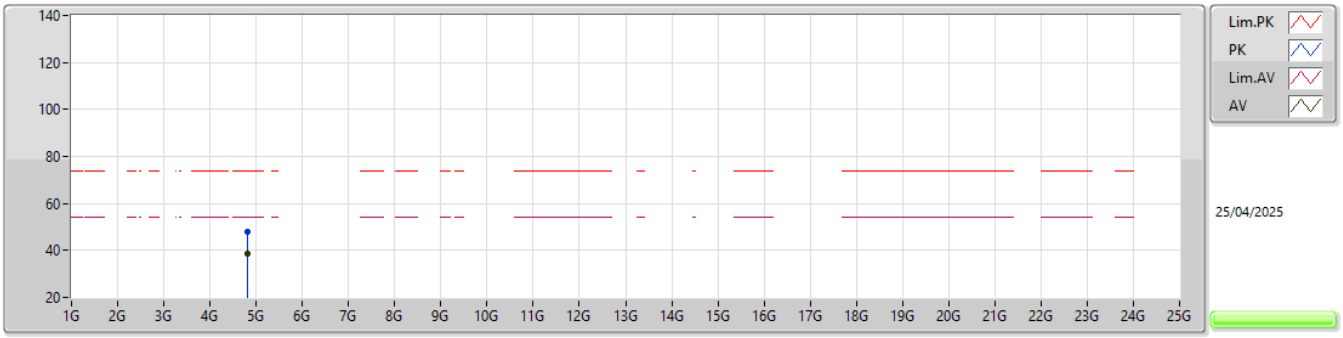


EUT Y_2TX
Setting 28
06-H-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8241G	47.53	74.00	-26.47	43.59	3	Vertical	316	1.69	-	31.35	6.55	33.96
AV	4.82396G	40.30	54.00	-13.70	36.36	3	Vertical	316	1.69	-	31.35	6.55	33.96

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

2412MHz_TX



EUT Y_2TX
Setting 28
06-H-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82382G	47.78	74.00	-26.22	43.84	3	Horizontal	67	1.80	-	31.35	6.55	33.96
AV	4.82412G	38.58	54.00	-15.42	34.64	3	Horizontal	67	1.80	-	31.35	6.55	33.96

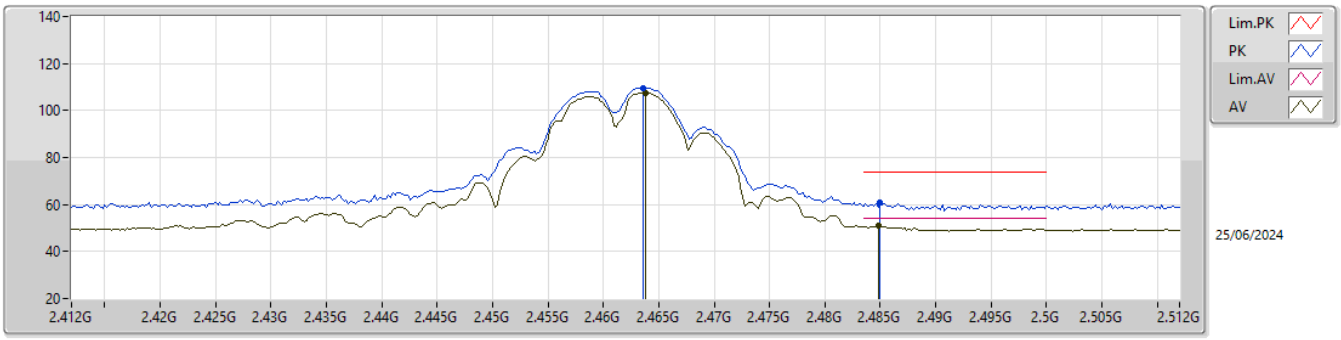
Emissions in Restricted Frequency Bands / Band-edge

Radio 1 / 802.11b_Nss1,(1Mbps)_2TX 2462 MHz

Parent Device

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

2462MHz_TX

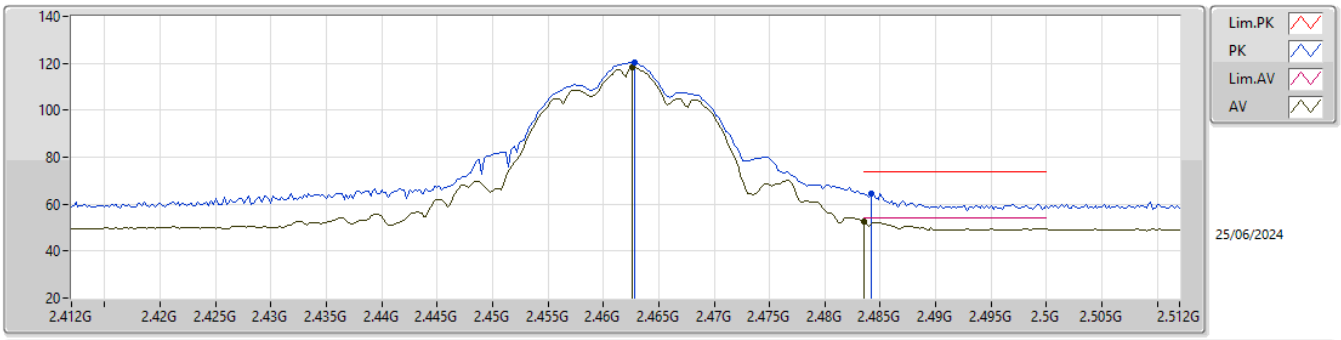


EUT Y_2TX
Setting 26.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4636G	109.64	Inf	-Inf	77.62	3	Vertical	310	1.14	-	27.40	4.62	-
AV	2.4638G	107.60	Inf	-Inf	75.58	3	Vertical	310	1.14	-	27.40	4.62	-
PK	2.485G	60.99	74.00	-13.01	28.89	3	Vertical	310	1.14	-	27.50	4.60	-
AV	2.4848G	50.79	54.00	-3.21	18.69	3	Vertical	310	1.14	-	27.50	4.60	-

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

2462MHz_TX



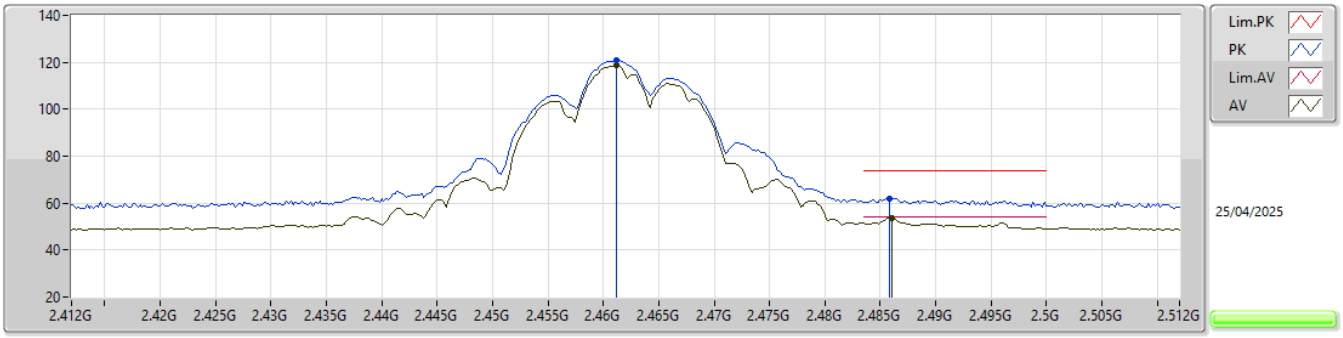
EUT Y_2TX
Setting 26.5
01-P-A-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4628G	120.30	Inf	-Inf	88.28	3	Horizontal	3	2.80	-	27.40	4.62	-
AV	2.4626G	118.19	Inf	-Inf	86.17	3	Horizontal	3	2.80	-	27.40	4.62	-
PK	2.4842G	64.68	74.00	-9.32	32.58	3	Horizontal	3	2.80	-	27.50	4.60	-
AV	2.4835G	52.52	54.00	-1.48	20.42	3	Horizontal	3	2.80	-	27.50	4.60	-

Variant Device

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

2462MHz_TX

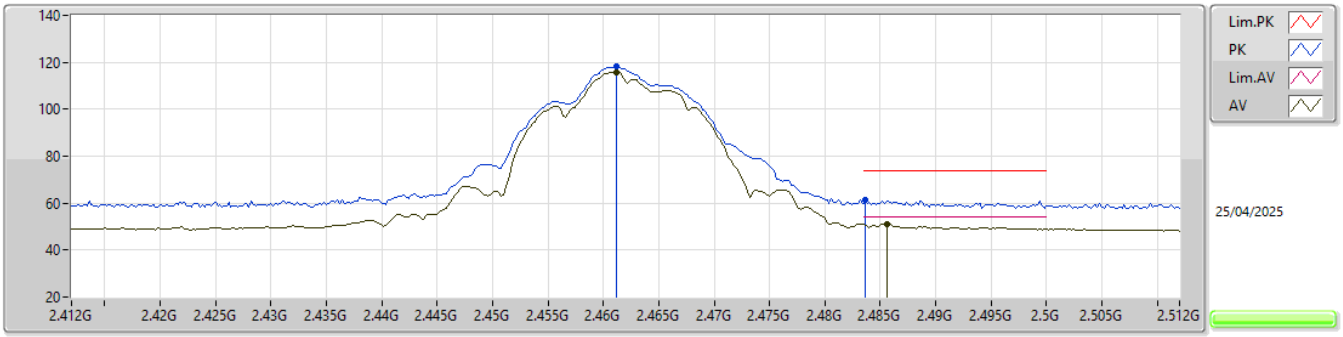


EUT Y_2TX
Setting 28.5
06-H-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4612G	121.09	Inf	-Inf	88.97	3	Vertical	50	2.71	-	27.39	4.73	-
AV	2.4612G	118.72	Inf	-Inf	86.60	3	Vertical	50	2.71	-	27.39	4.73	-
PK	2.4858G	62.05	74.00	-11.95	29.81	3	Vertical	50	2.71	-	27.46	4.78	-
AV	2.486G	53.80	54.00	-0.20	21.56	3	Vertical	50	2.71	-	27.46	4.78	-

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

2462MHz_TX



EUT Y_2TX
Setting 28.5
06-H-G-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4612G	118.21	Inf	-Inf	86.09	3	Horizontal	7	1.94	-	27.39	4.73	-
AV	2.4612G	115.83	Inf	-Inf	83.71	3	Horizontal	7	1.94	-	27.39	4.73	-
PK	2.4836G	61.17	74.00	-12.83	28.96	3	Horizontal	7	1.94	-	27.44	4.77	-
AV	2.4856G	51.20	54.00	-2.80	18.96	3	Horizontal	7	1.94	-	27.46	4.78	-