RADIO TEST REPORT

FCC ID	:	2AI5IMTD2
Equipment	:	MEATER PRO DUO Charger
Brand Name	:	MEATER
Model Name	:	MT-CD20, MT-MD201
Applicant	:	Apption Labs Limited 66 Commercial Square, Leicester, LE2 7SR United Kingdom
Manufacturer (1)	:	AboCom Systems, Inc. No. 77, Yu-Yih Rd, Chu-Nan Chen, Miao-Lih Hsuan,Taiwan, R.O.C.
Manufacturer (2)	:	Jin Yeong Hann Technology CO., LTD No. 6, Lane 187, Sec. 2, Chung Cheng Rd, Hu Kou Hsiang, Hsin Chu Hsieh,Taiwan, R.O.C.
Standard	:	47 CFR FCC Part 15.247

The product was received on Sep. 04, 2024, and testing was started from Oct. 04, 2024 and completed on Jan. 15, 2025. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Rex Liao

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR422340-02AA	01	Initial issue of report	Feb. 06, 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	Note
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-
Note: For Battery Mode, the EUT is powered by battery, so it's not necessary to apply to AC Power-line Conducted Emissions test.				

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: Sophia Shiung

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)	2412-2462	1-11 [11]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g and HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
	WLAN 2.4GHz	Bluetooth					WLAN 2.4GHz	Bluetooth
1	1	-	ApptionLabs	WIFI-01	PCB	N/A	1.74	-
2	-	1	ApptionLabs	BT-01	PCB	N/A	-	0.55

Note 1: The above information was declared by manufacturer.

Note 2: **For WLAN 2.4GHz function:**

For IEEE 802.11 b/g/n (1TX/1RX):

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

For Bluetooth function (1TX/1RX):

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

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b	0.955	0.2	11.393m	100
802.11g	0.925	0.34	1.893m	1k
802.11n HT20	0.907	0.42	1.765m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From battery or host system with USB type-C cable			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	Radio Tool GUI v1.0.3.13			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The two models are identical except for the difference listed below:

Model Name	Marketed with Probes
MT-CD20	No
MT-MD201	Yes

Note 1: From the above models, model: MT-MD201 was selected to test all the teat items.
Note 2: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

- FCC KDB 558074 D01 v05r02
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Ken Yeh	23.7~24.1 / 61~63	Dec. 13, 2024~ Jan. 15, 2025
Radiated < 1GHz	03CH05-CB	Alex Kuo	21.9~22.4 / 60~62	Oct. 04, 2024
Radiated > 1GHz	03CH06-CB	Eason Chen	22.5~22.9 / 58~60	Nov. 12, 2024~ Nov. 16, 2024
AC Conduction	CO01-CB	Tim Chen	22~23 / 58~59	Oct. 09, 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)_1TX
2412MHz
2437MHz
2462MHz
802.11g_Nss1,(6Mbps)_1TX
2412MHz
2437MHz
2462MHz
802.11n HT20_Nss1,(MCS0)_1TX
2412MHz
2437MHz
2462MHz

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	Charge Mode: EUT (Powered by host system with USB type-C cable) + Probe

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	Normal Link
	After evaluating, EUT in Z axis was the worst case, so the measurement will follow this same test configuration.
1	Battery Mode: EUT in Z axis (Powered by battery) + Probe
2	Charge Mode: EUT in Z axis (Powered by host system with USB type-C cable) + Probe
For operating, mode 1 is the worst case and it was recorded in this test report.	
Operating Mode > 1GHz	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
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	WLAN 2.4GHz + Bluetooth
Refer to Sporton Test Report No.: FA422340-02 for Co-location RF Exposure Evaluation.	

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
Probe*2 (Marketed with model: MT-MD201 only)
USB type-C cable*1: Shielded, 1.0m

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
-	Adapter	Apple	A1401	N/A

For Radiated < 1GHz:

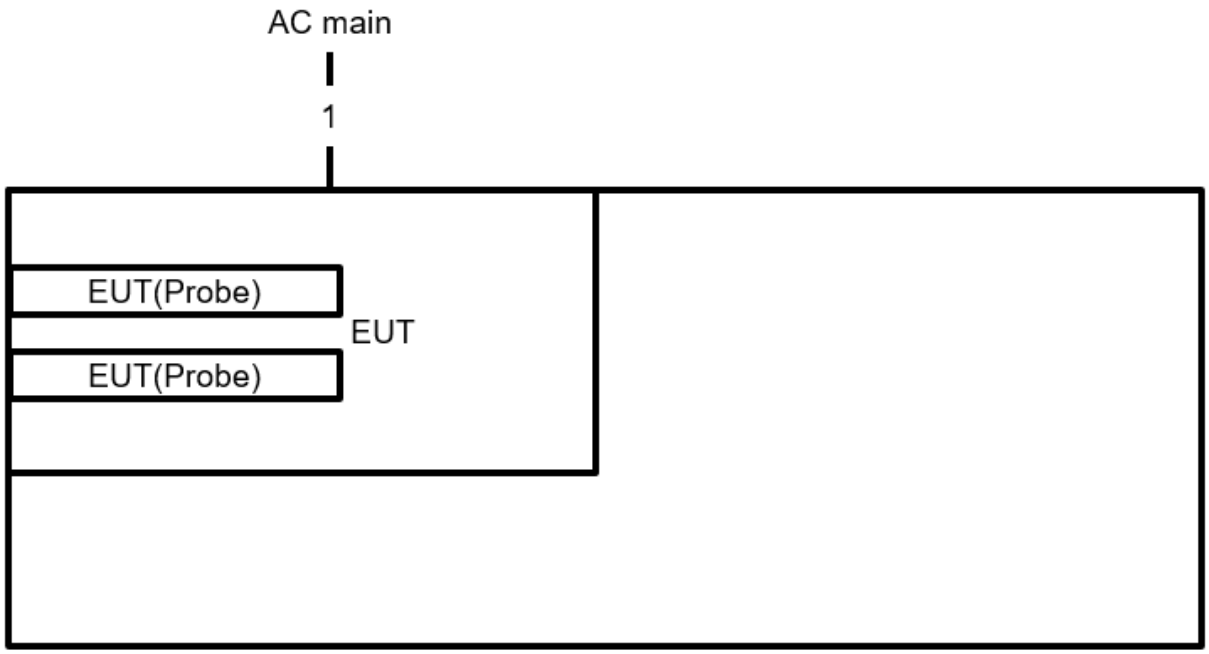
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Phone	OTTERBOX	VQP9MW0Y54	N/A
B	AP	ASUS	AX88U	N/A
C	Notebook	DELL	E4300	N/A

For Radiated > 1GHz and RF Conducted:

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

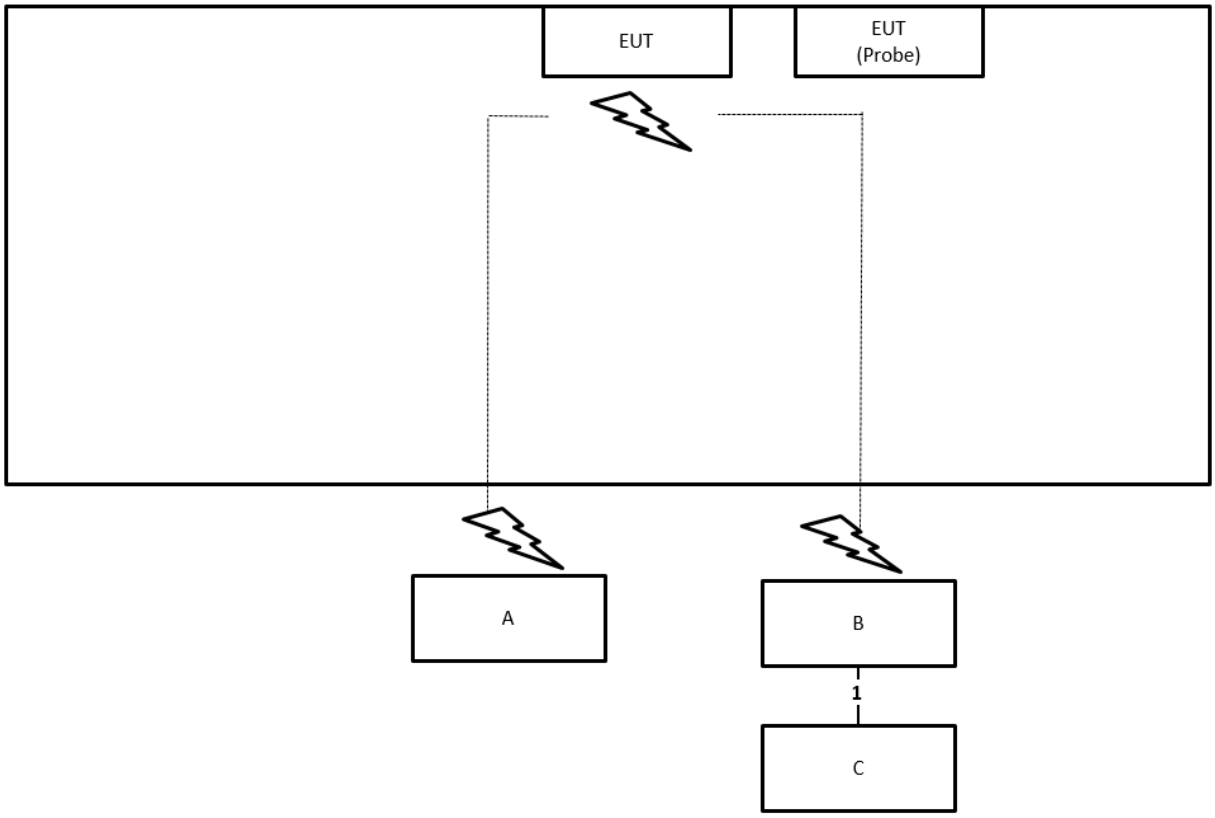
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



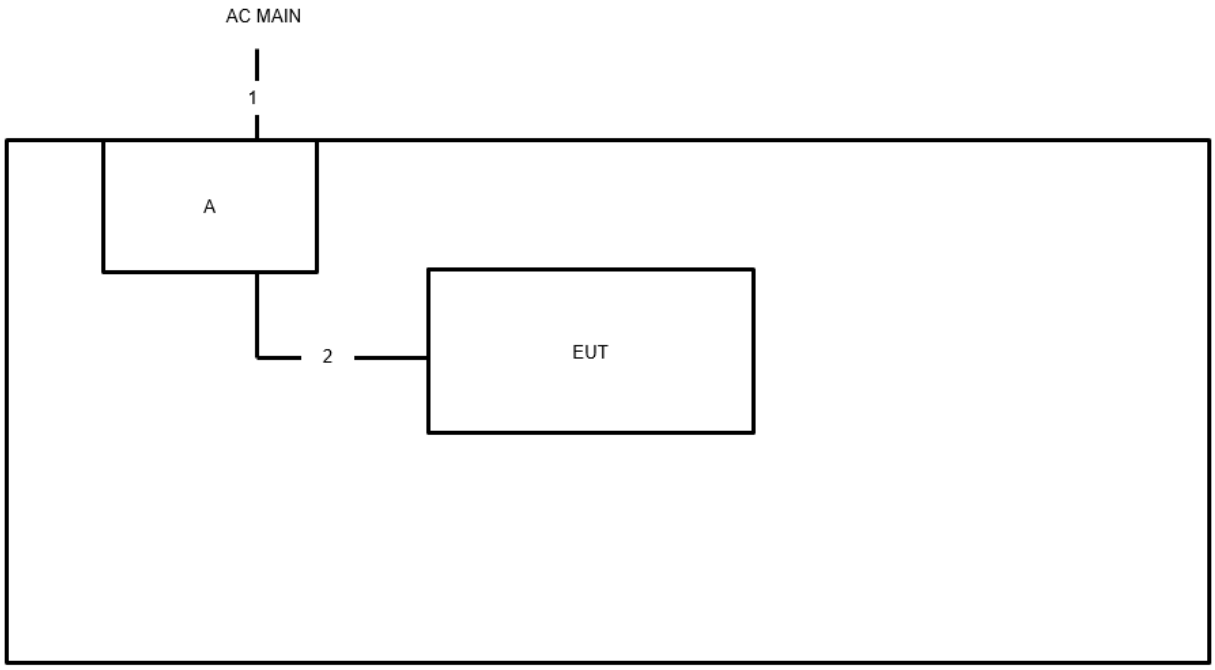
Item	Connection	Shielded	Length
1	Power cable	Yes	1m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	USB to TypeC cable	Yes	1m

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

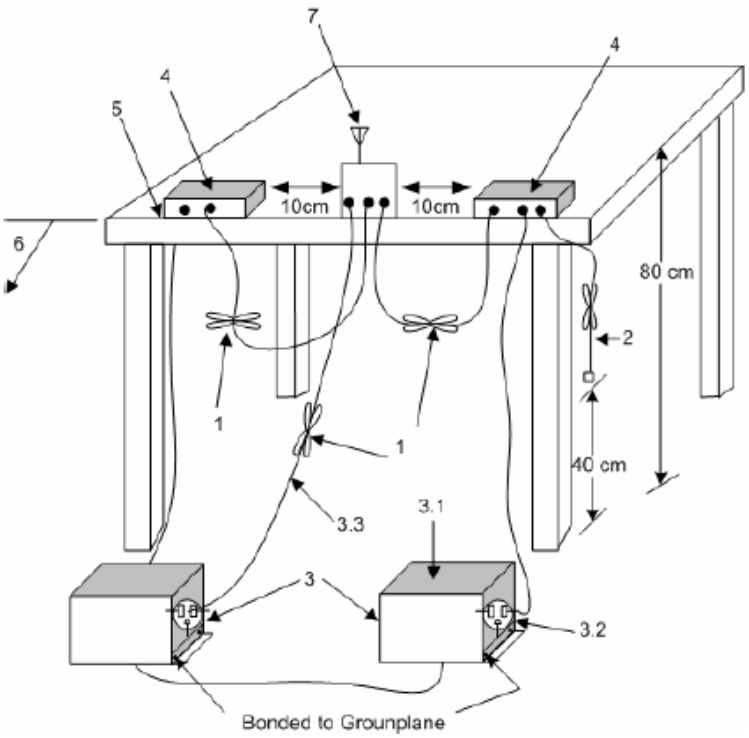
Refer a test equipment and calibration data table in this test report.

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.

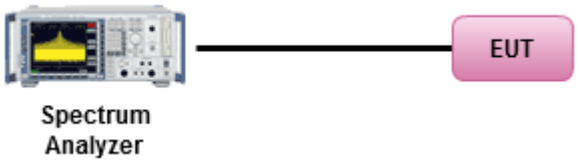
3.2.2 Measuring Instruments

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

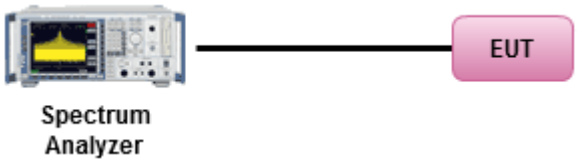
3.4.2 Measuring Instruments

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.	

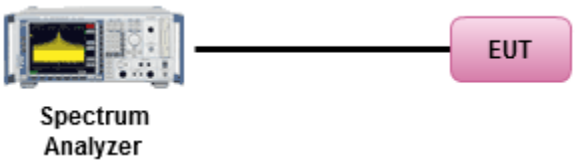
3.5.2 Measuring Instruments

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.

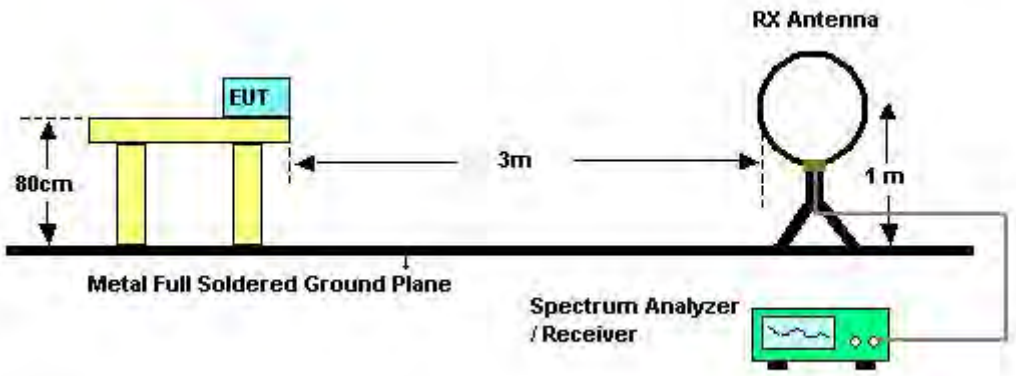
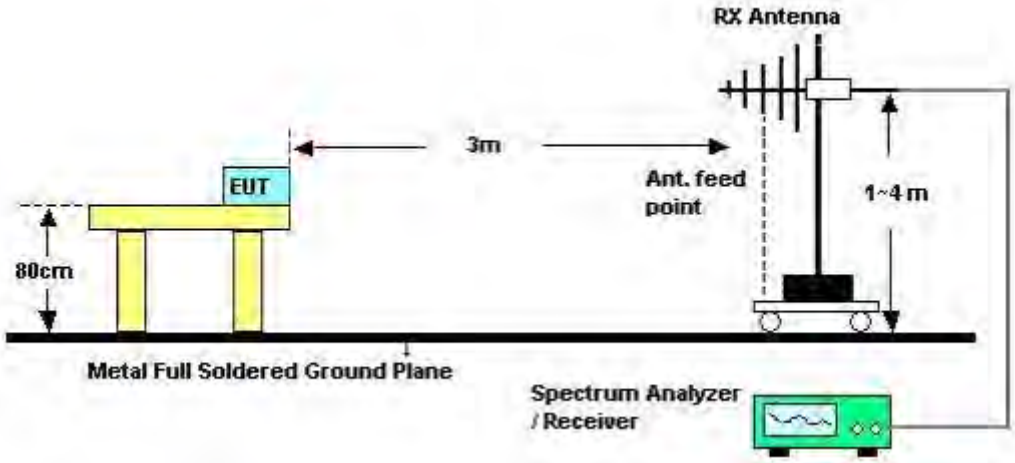
3.6.2 Measuring Instruments

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

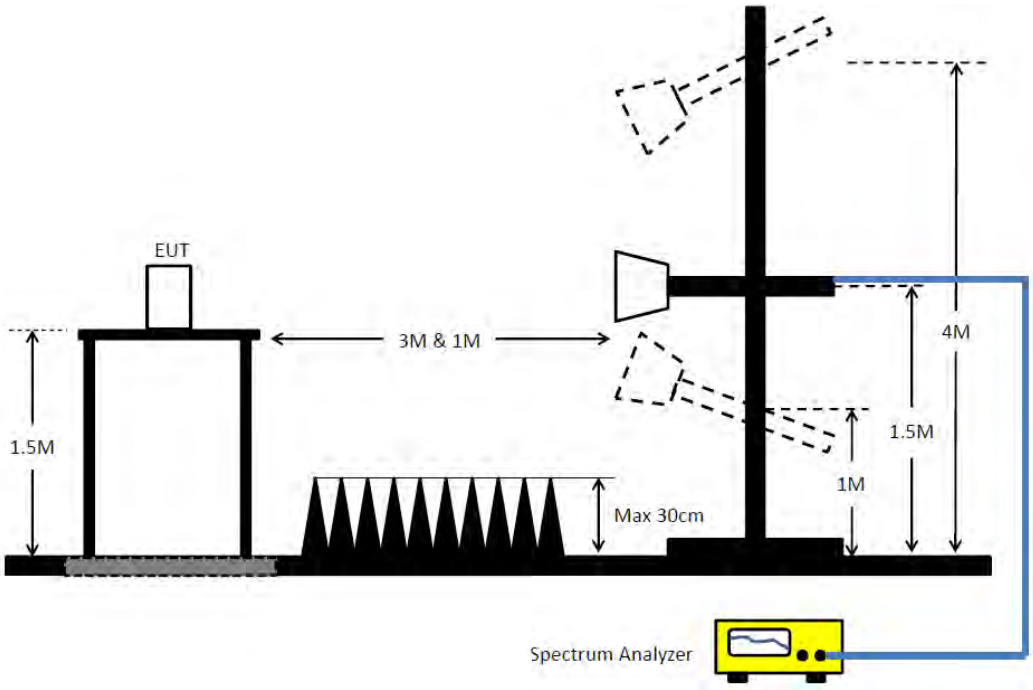
3.6.3 Test Procedures

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	Feb. 08, 2024	Feb. 07, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	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 - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30MHz ~ 1GHz	Aug. 01, 2024	Jul. 31, 2025	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 23, 2024	Mar. 22, 2025	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 02, 2024	May 01, 2025	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 17, 2024	Apr. 16, 2025	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 20, 2023	Oct. 19, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 08, 2024	Oct. 07, 2025	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 20, 2024	Aug. 19, 2025	Radiation (03CH06-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-15247 _DTS	V5.11.18	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2024	May 26, 2025	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~18 GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
Cable 9k-18G	Woken	RG402	Cable-95	9 kHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 13, 2024	Sep. 12, 2025	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 13, 2024	Sep. 12, 2025	Conducted (TH01-CB)
Test Software	SPORTON	SENSE-15247 _DTS	V5.11.18	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Conducted (TH01-CB)

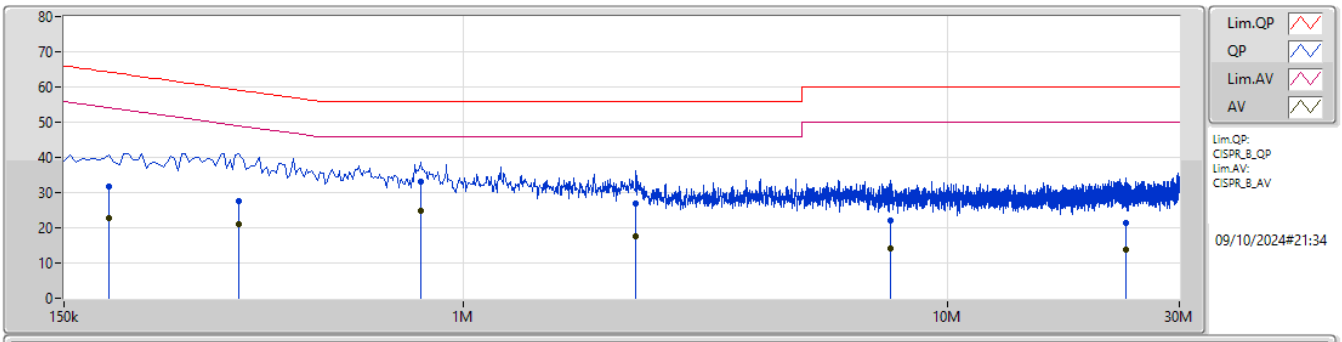
Note: Calibration IntervNote: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.

Summary

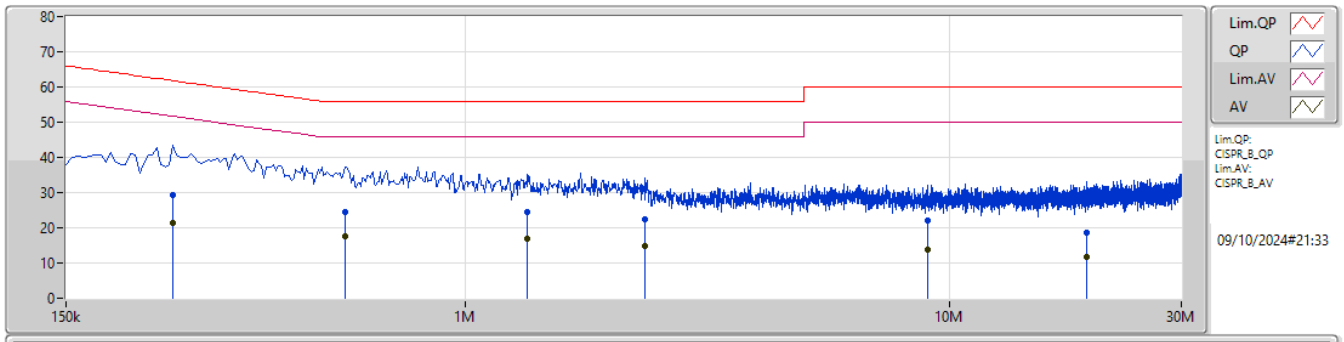
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	816k	24.94	46.00	-21.06	Line

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	186k	31.81	64.20	-32.39	9.91	Line	-	21.90	0.04	0.02	9.85
AV	186k	22.63	54.20	-31.57	9.91	Line	-	12.72	0.04	0.02	9.85
QP	343.5k	27.71	59.12	-31.41	9.95	Line	-	17.76	0.05	0.02	9.88
AV	343.5k	20.87	49.12	-28.25	9.95	Line	-	10.92	0.05	0.02	9.88
QP	816k	33.23	56.00	-22.77	9.99	Line	-	23.24	0.07	0.01	9.91
AV	816k	24.94	46.00	-21.06	9.99	Line	"Worst"	14.95	0.07	0.01	9.91
QP	2.27M	27.02	56.00	-28.98	10.07	Line	-	16.95	0.10	0.08	9.89
AV	2.27M	17.74	46.00	-28.26	10.07	Line	-	7.67	0.10	0.08	9.89
QP	7.611M	22.16	60.00	-37.84	10.25	Line	-	11.91	0.20	0.14	9.91
AV	7.611M	14.10	50.00	-35.90	10.25	Line	-	3.85	0.20	0.14	9.91
QP	23.33M	21.47	60.00	-38.53	10.61	Line	-	10.86	0.33	0.24	10.04
AV	23.33M	13.92	50.00	-36.08	10.61	Line	-	3.31	0.33	0.24	10.04

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	249k	29.33	61.79	-32.46	9.94	Neutral	-	19.39	0.06	0.02	9.86
AV	249k	21.23	51.79	-30.56	9.94	Neutral	-	11.29	0.06	0.02	9.86
QP	564k	24.55	56.00	-31.45	9.99	Neutral	-	14.56	0.07	0.02	9.90
AV	564k	17.72	46.00	-28.28	9.99	Neutral	"Worst"	7.73	0.07	0.02	9.90
QP	1.343M	24.42	56.00	-31.58	10.03	Neutral	-	14.39	0.09	0.04	9.90
AV	1.343M	16.73	46.00	-29.27	10.03	Neutral	-	6.70	0.09	0.04	9.90
QP	2.346M	22.52	56.00	-33.48	10.09	Neutral	-	12.43	0.11	0.09	9.89
AV	2.346M	14.75	46.00	-31.25	10.09	Neutral	-	4.66	0.11	0.09	9.89
QP	8.975M	22.15	60.00	-37.85	10.28	Neutral	-	11.87	0.23	0.14	9.91
AV	8.975M	13.84	50.00	-36.16	10.28	Neutral	-	3.56	0.23	0.14	9.91
QP	19.176M	18.58	60.00	-41.42	10.53	Neutral	-	8.05	0.30	0.22	10.01
AV	19.176M	11.86	50.00	-38.14	10.53	Neutral	-	1.33	0.30	0.22	10.01

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)_1TX	8.65M	14.009M	14M0G1D	8.55M	13.859M
802.11g_Nss1,(6Mbps)_1TX	15.925M	16.822M	16M8D1D	14.45M	16.29M
802.11n HT20_Nss1,(MCS0)_1TX	17.525M	17.665M	17M7D1D	15.45M	17.415M

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

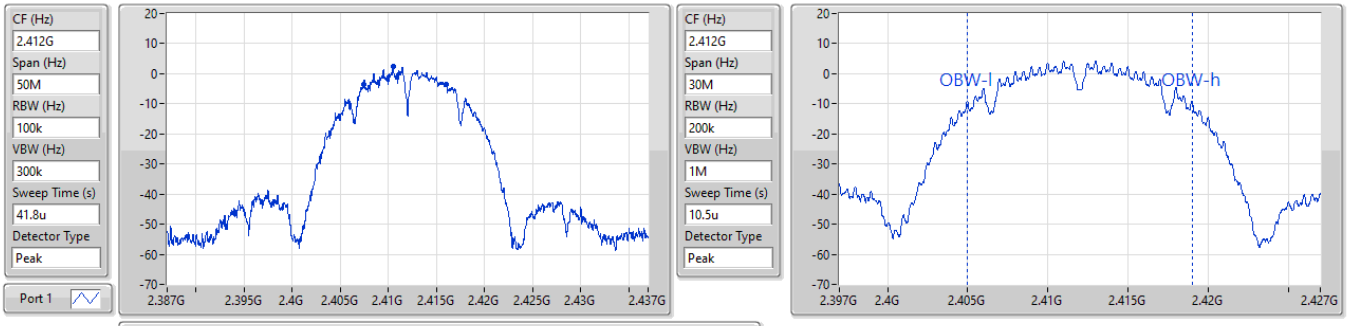
Mode	Result	Limit	Port 1-N dB	Port 1-OBW
		(Hz)	(Hz)	(Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	8.625M	14.009M
2437MHz	Pass	500k	8.55M	13.859M
2462MHz	Pass	500k	8.65M	13.952M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	14.45M	16.29M
2437MHz	Pass	500k	15.925M	16.822M
2462MHz	Pass	500k	15.075M	16.356M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.525M	17.547M
2437MHz	Pass	500k	16.675M	17.665M
2462MHz	Pass	500k	15.45M	17.415M

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)_1TX **EBW**

2412MHz

15/01/2025

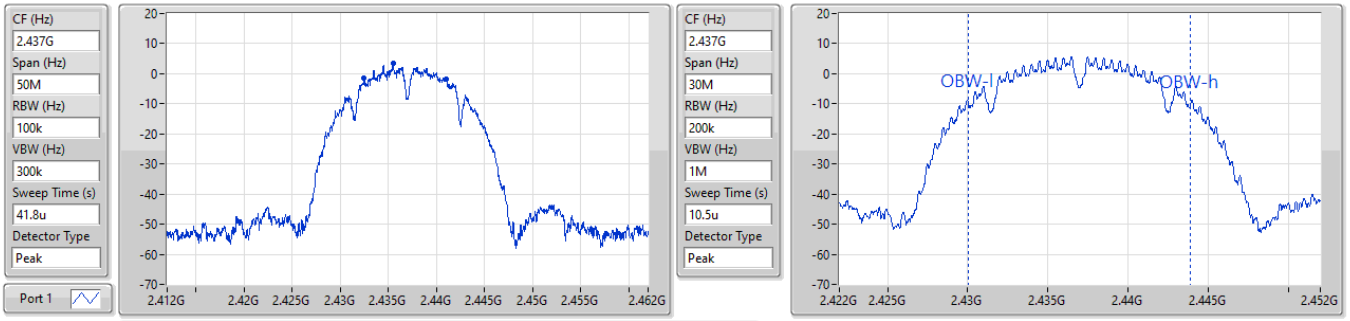


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.625M	2.407425G	2.41605G	14.009M	2.404982G	2.418991G	500k	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **EBW**

2437MHz

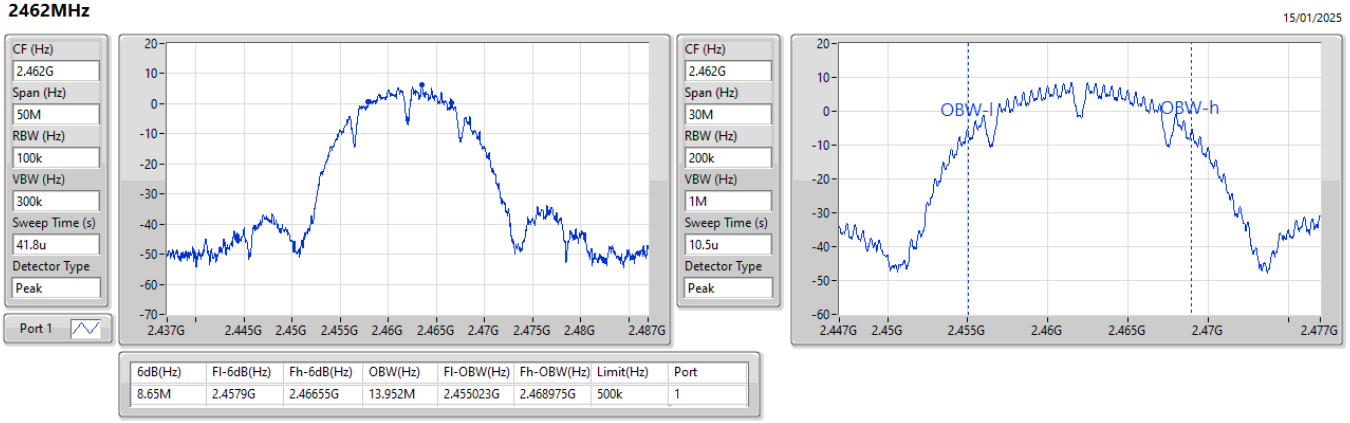
15/01/2025



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.55M	2.43245G	2.441G	13.859M	2.430056G	2.443914G	500k	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **EBW**

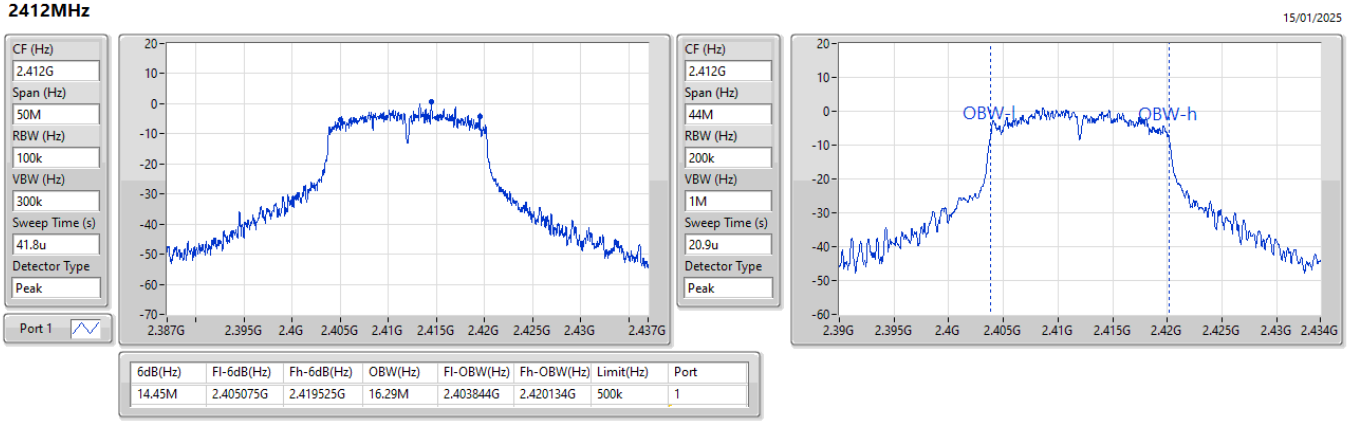
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.65M	2.4579G	2.46655G	13.952M	2.455023G	2.468975G	500k	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **EBW**

2412MHz

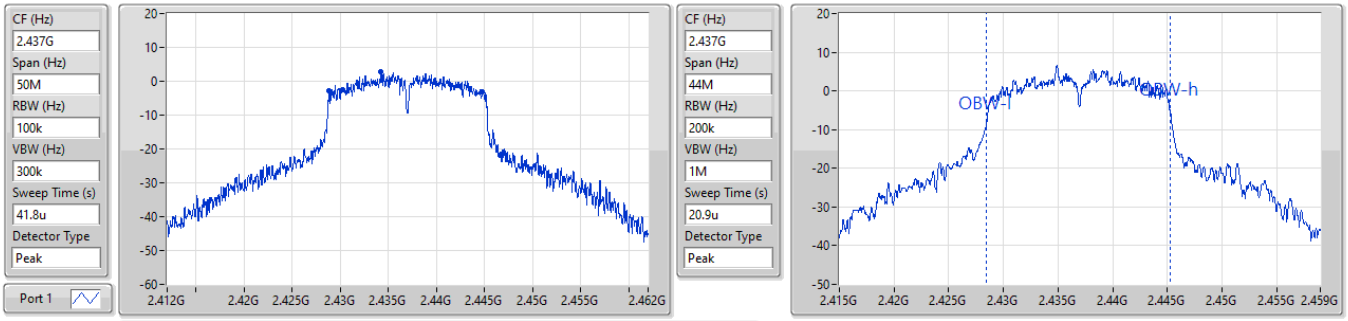


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.45M	2.405075G	2.419525G	16.29M	2.403844G	2.420134G	500k	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **EBW**

2437MHz

15/01/2025

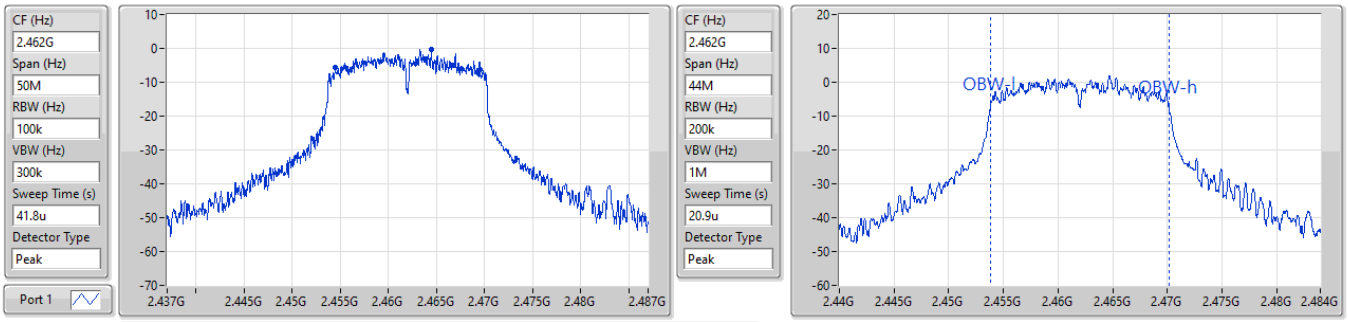


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.925M	2.42885G	2.444775G	16.822M	2.428467G	2.445289G	500k	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **EBW**

2462MHz

15/01/2025

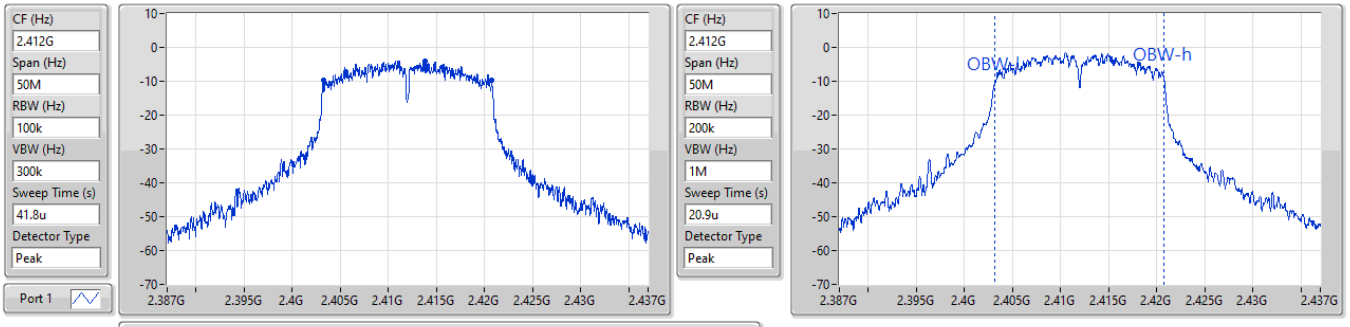


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.45445G	2.469525G	16.356M	2.453819G	2.470175G	500k	1

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX **EBW**

2412MHz

15/01/2025

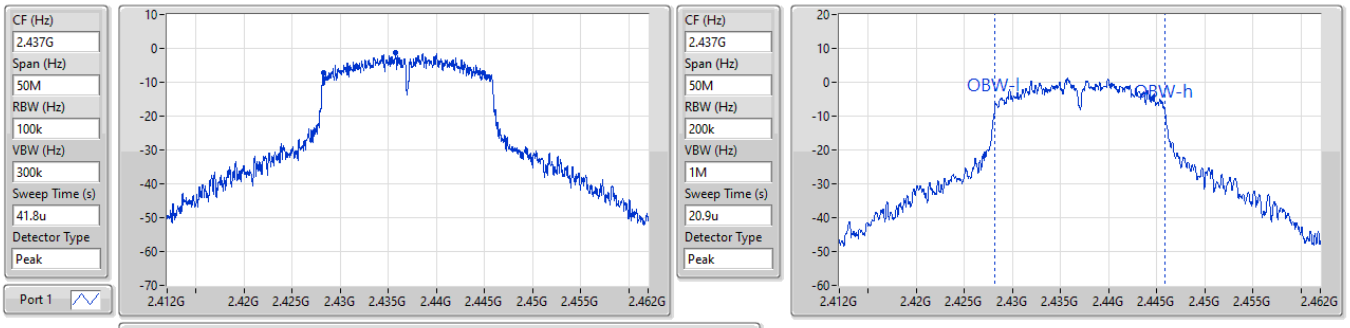


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.403225G	2.42075G	17.547M	2.403151G	2.420698G	500k	1

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX **EBW**

2437MHz

15/01/2025

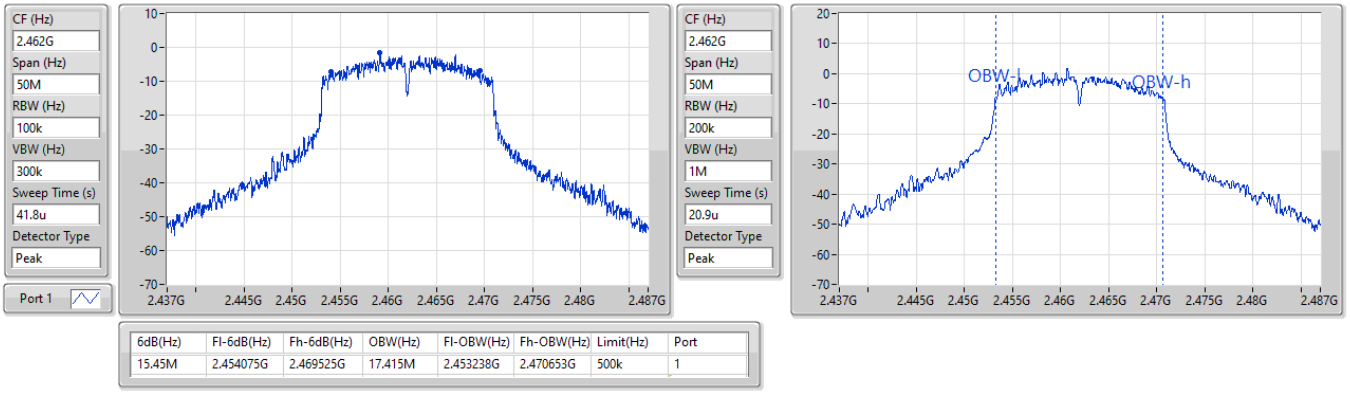


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.675M	2.428225G	2.4449G	17.665M	2.428179G	2.445844G	500k	1

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX **EBW**

2462MHz

15/01/2025



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.45M	2.454075G	2.469525G	17.415M	2.453238G	2.470653G	500k	1

Summary

Mode	Total Power	Total Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	16.80	0.04786
802.11g_Nss1,(6Mbps)_1TX	16.19	0.04159
802.11n HT20_Nss1,(MCS0)_1TX	12.57	0.01807

Result

Mode	Result	DG	Port 1	Total Power	Power Limit
		(dBi)	(dBm)	(dBm)	(dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.74	13.10	13.10	30.00
2437MHz	Pass	1.74	14.21	14.21	30.00
2462MHz	Pass	1.74	16.80	16.80	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.74	11.99	11.99	30.00
2437MHz	Pass	1.74	16.19	16.19	30.00
2462MHz	Pass	1.74	12.62	12.62	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.74	10.26	10.26	30.00
2437MHz	Pass	1.74	12.57	12.57	30.00
2462MHz	Pass	1.74	11.69	11.69	30.00

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

Summary

Mode	PD
	(dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-11.63
802.11g_Nss1,(6Mbps)_1TX	-11.17
802.11n HT20_Nss1,(MCS0)_1TX	-14.44

RBW = 3kHz;

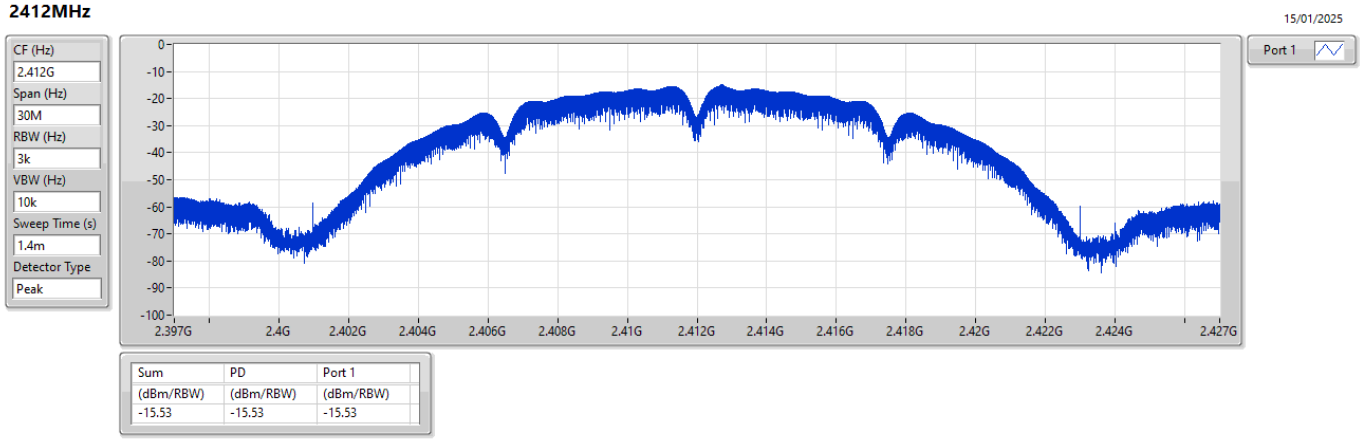
Result

Mode	Result	DG	Port 1	PD	PD Limit
		(dBi)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.74	-15.53	-15.53	8.00
2437MHz	Pass	1.74	-14.38	-14.38	8.00
2462MHz	Pass	1.74	-11.63	-11.63	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.74	-16.21	-16.21	8.00
2437MHz	Pass	1.74	-11.17	-11.17	8.00
2462MHz	Pass	1.74	-15.22	-15.22	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.74	-15.87	-15.87	8.00
2437MHz	Pass	1.74	-15.53	-15.53	8.00
2462MHz	Pass	1.74	-14.44	-14.44	8.00

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

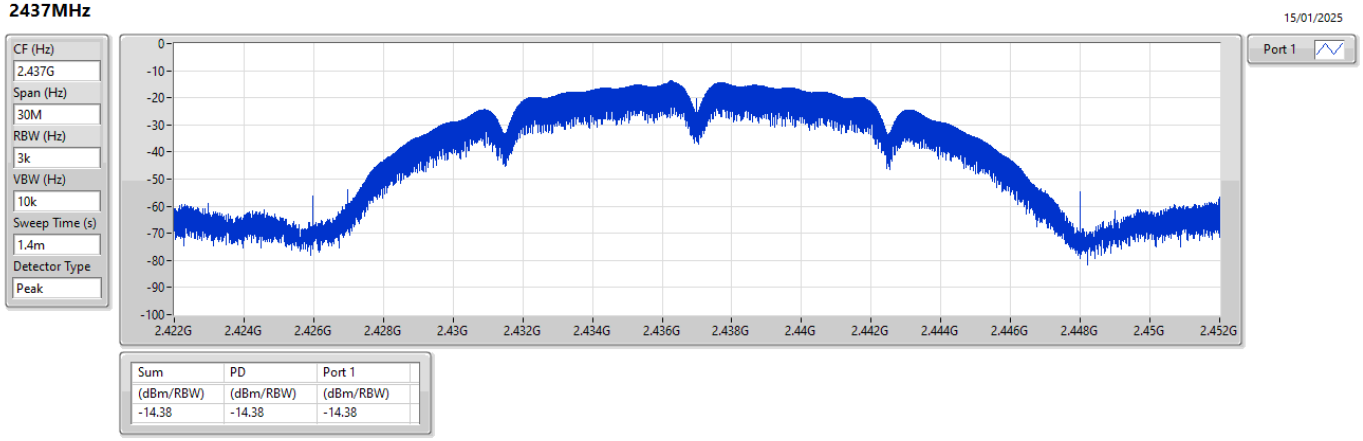
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

2412MHz



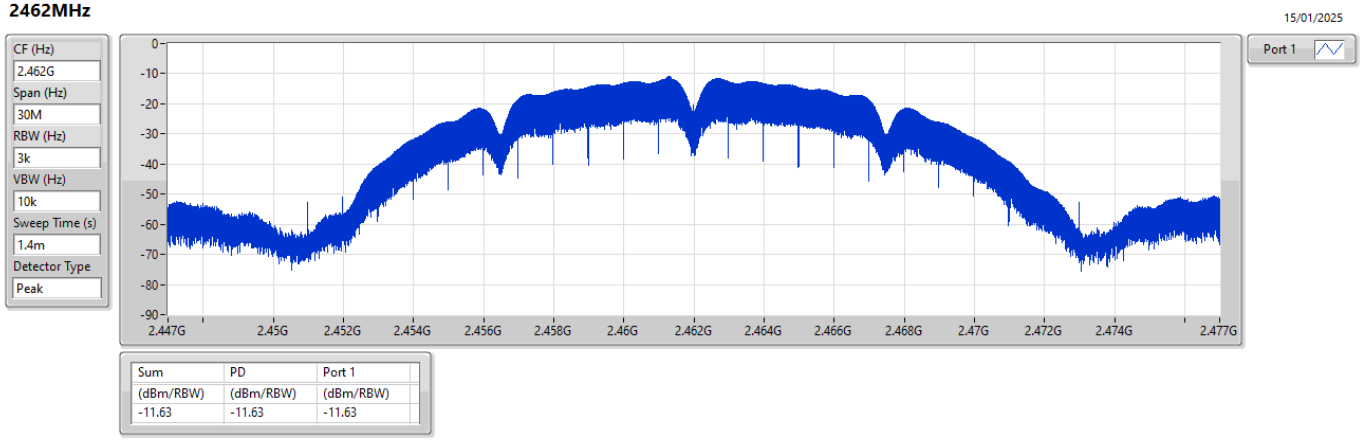
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

2437MHz



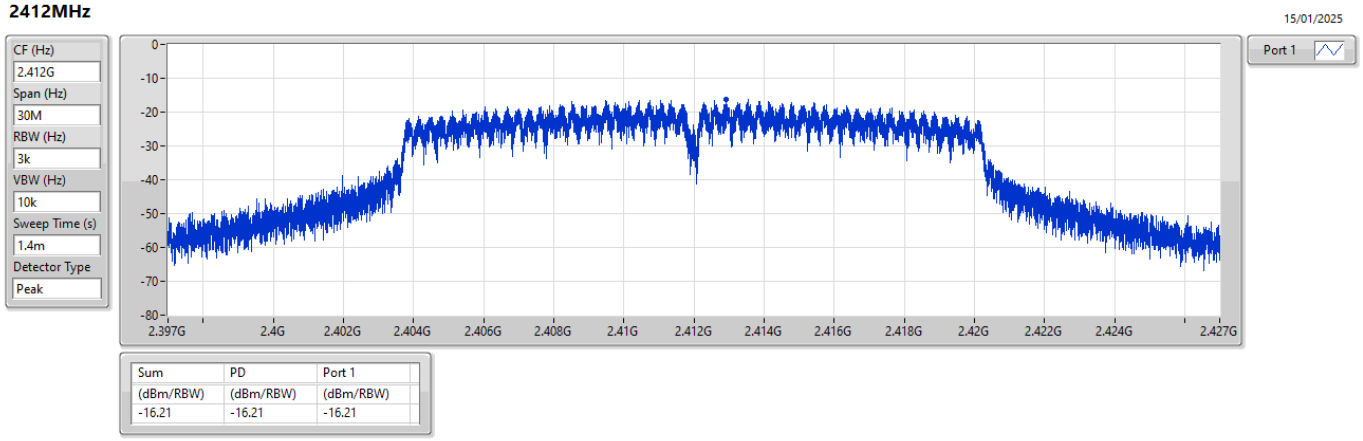
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

2462MHz



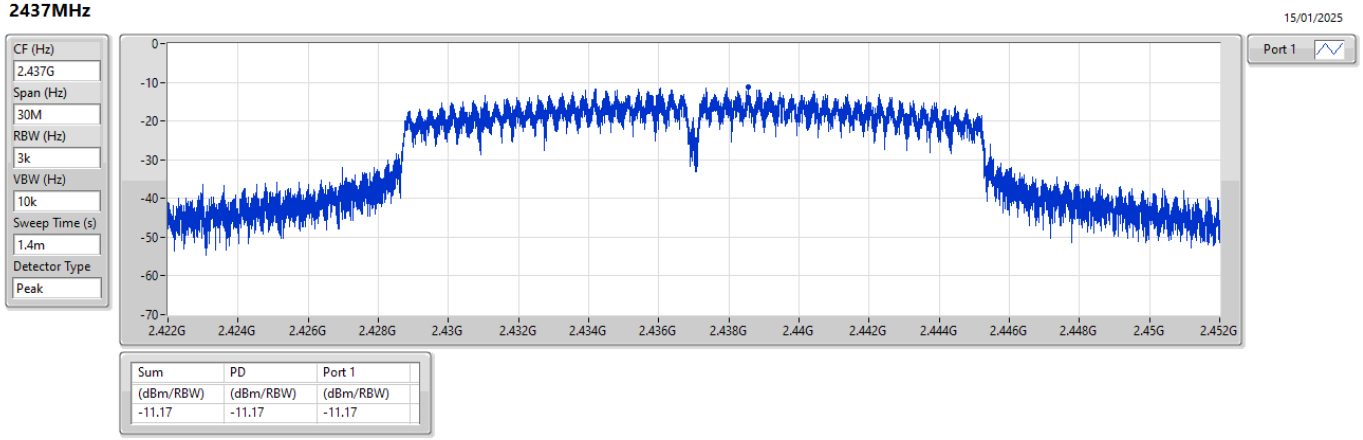
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

2412MHz



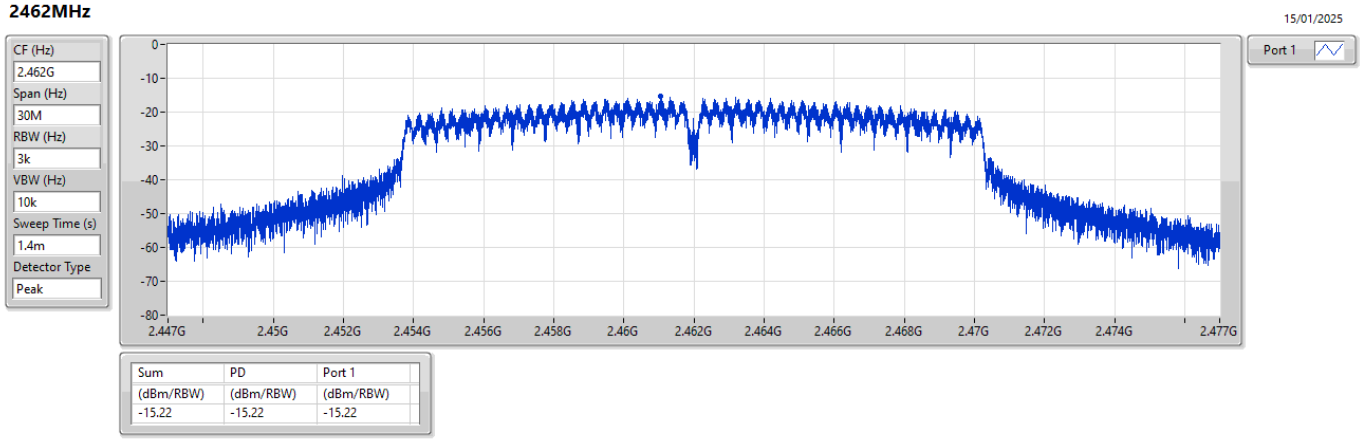
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

2437MHz



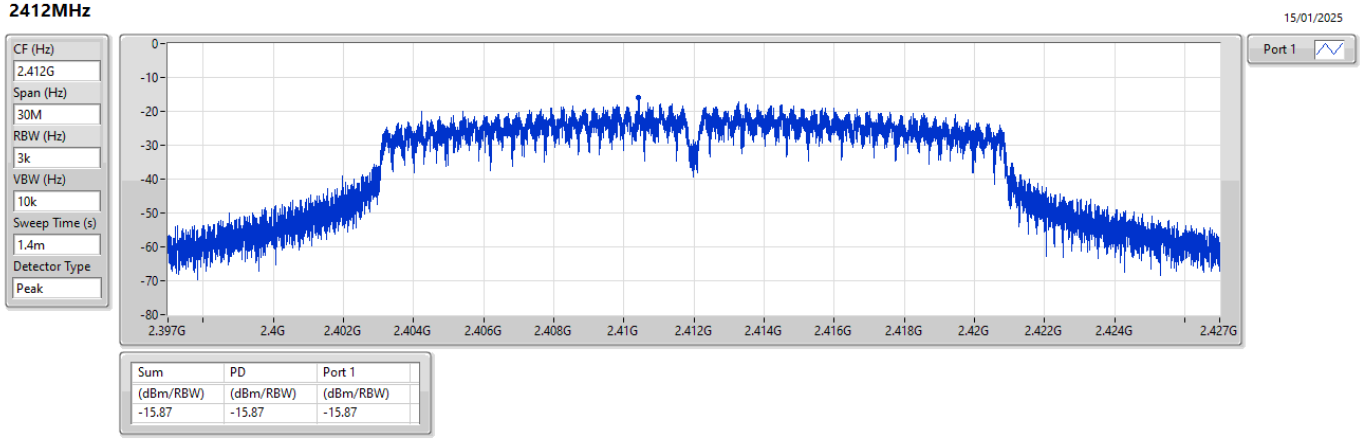
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

2462MHz



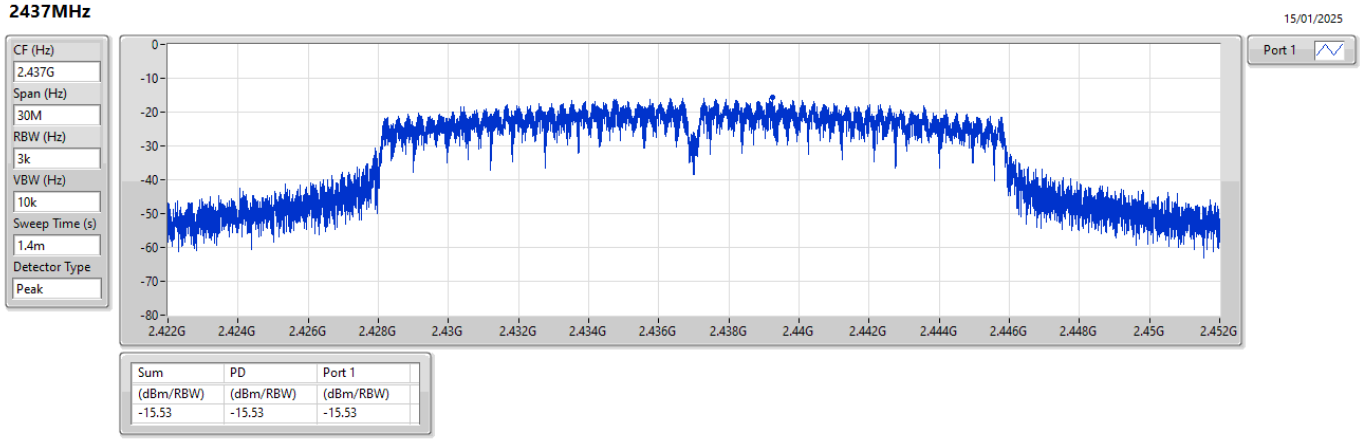
2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX **PSD**

2412MHz



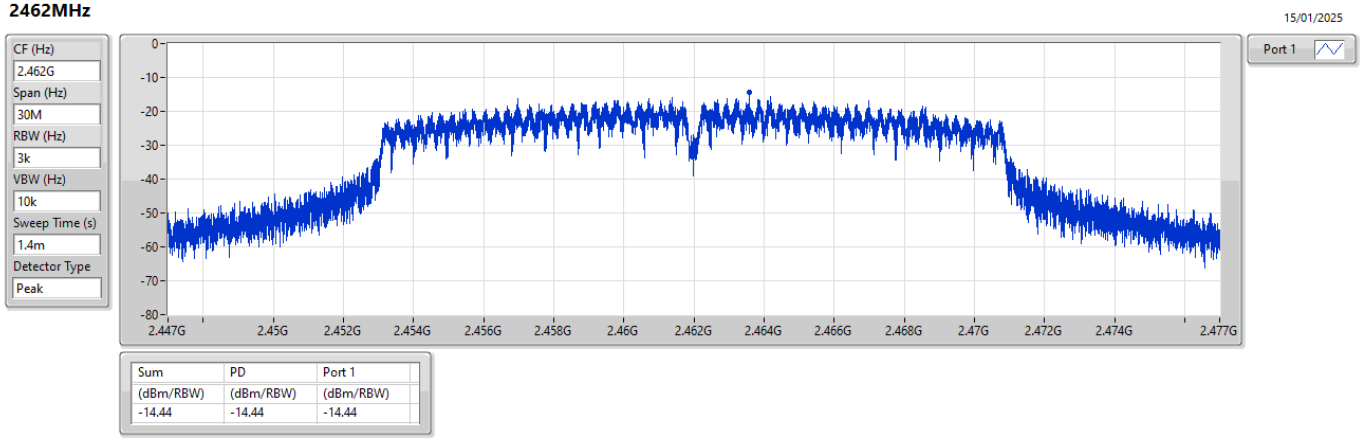
2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX **PSD**

2437MHz



2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX **PSD**

2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.44	-14.44	-14.44

Summary

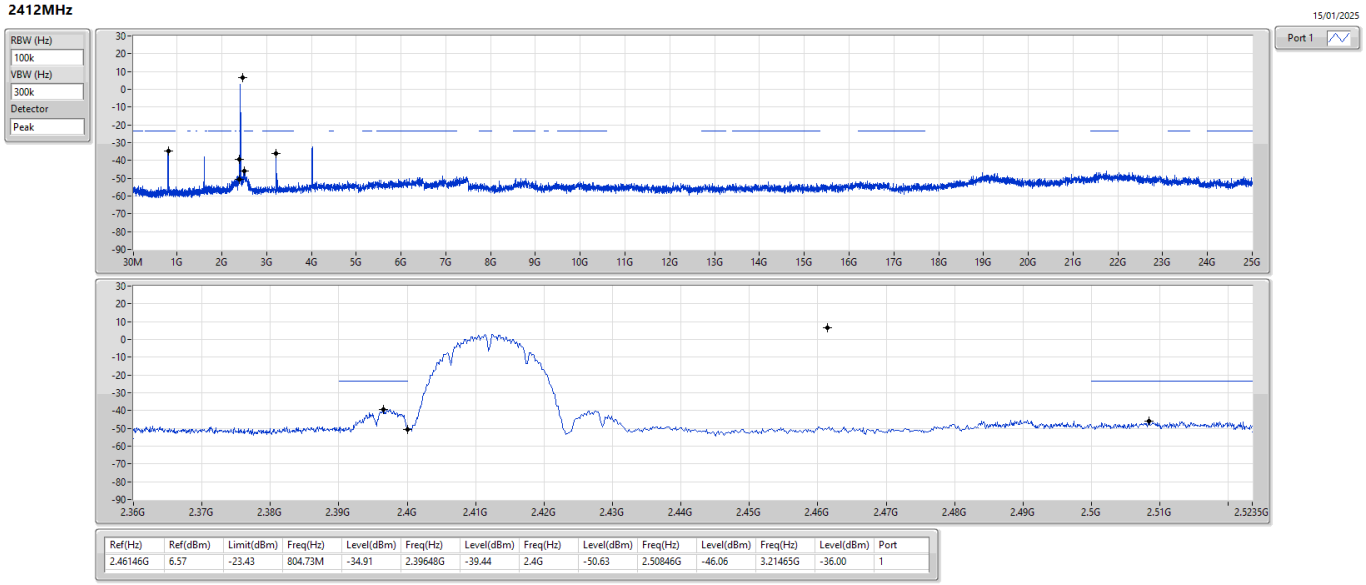
Mode	Result	Ref	Ref	Limit	Freq	Level	Freq	Level	Freq	Level	Freq	Level	Freq	Level	Port
		(Hz)	(dBm)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.46146G	6.57	-23.43	819.87M	-30.98	2.39096G	-46.36	2.4G	-48.80	2.5147G	-44.89	3.28208G	-27.02	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43941G	5.60	-24.40	796.57M	-36.22	2.4G	-28.72	2.4G	-28.58	2.50422G	-47.28	3.21465G	-24.67	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43941G	2.36	-27.64	802.4M	-38.83	2.39888G	-32.72	2.4G	-31.65	2.52046G	-47.58	3.21465G	-33.06	1

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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46146G	6.57	-23.43	804.73M	-34.91	2.39648G	-39.44	2.4G	-50.63	2.50846G	-46.06	3.21465G	-36.00	1
2437MHz	Pass	2.46146G	6.57	-23.43	811.72M	-34.12	2.39616G	-48.69	2.4G	-49.95	2.51982G	-44.51	3.24837G	-24.58	1
2462MHz	Pass	2.46146G	6.57	-23.43	819.87M	-30.98	2.39096G	-46.36	2.4G	-48.80	2.5147G	-44.89	3.28208G	-27.02	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43941G	5.60	-24.40	796.57M	-36.22	2.4G	-28.72	2.4G	-28.58	2.50422G	-47.28	3.21465G	-24.67	1
2437MHz	Pass	2.43941G	5.60	-24.40	810.55M	-31.28	2.39792G	-47.19	2.4G	-47.95	2.51614G	-44.02	3.24837G	-25.88	1
2462MHz	Pass	2.43941G	5.60	-24.40	818.71M	-35.63	2.3984G	-47.98	2.4G	-52.59	2.5055G	-48.05	3.28208G	-34.66	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43941G	2.36	-27.64	802.4M	-38.83	2.39888G	-32.72	2.4G	-31.65	2.52046G	-47.58	3.21465G	-33.06	1
2437MHz	Pass	2.43941G	2.36	-27.64	810.55M	-35.48	2.39776G	-49.83	2.4G	-51.07	2.50934G	-46.40	3.24837G	-34.61	1
2462MHz	Pass	2.43941G	2.36	-27.64	816.38M	-38.60	2.39504G	-49.59	2.4G	-53.31	2.5059G	-48.51	3.28208G	-33.22	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX CSENdB

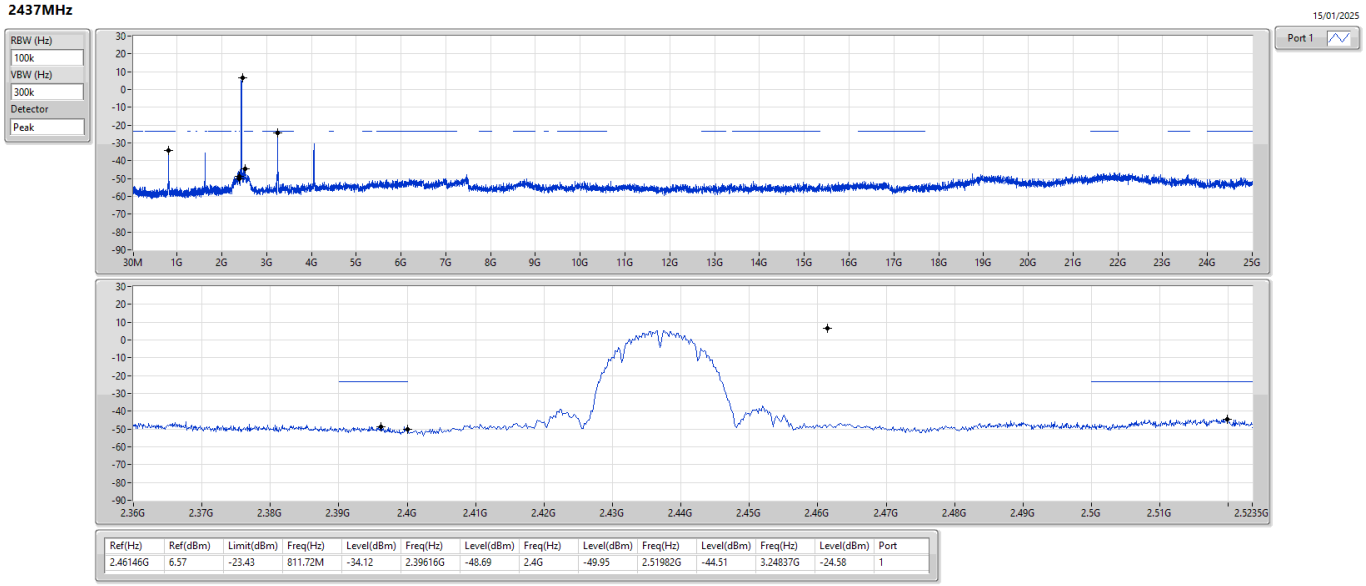
2412MHz



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
2.46146G	6.57	-23.43	804.73M	-34.91	2.39648G	-39.44	2.4G	-50.63	2.50846G	-46.06	3.21465G	-36.00	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX CSENdB

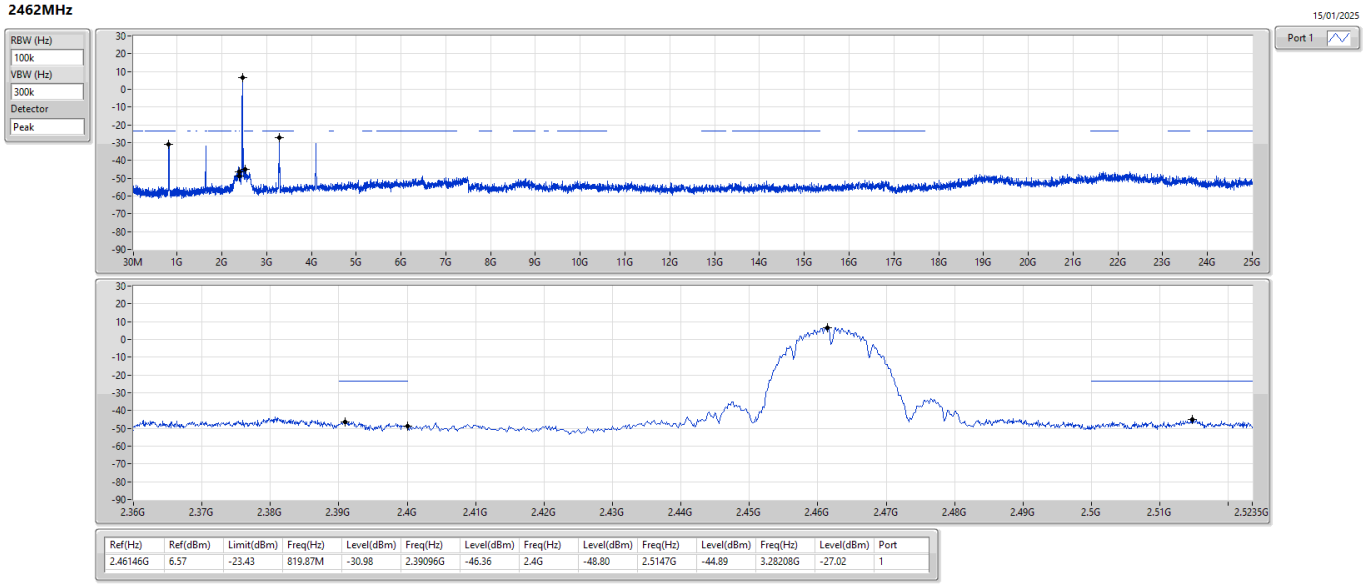
2437MHz



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
2.46146G	6.57	-23.43	811.72M	-34.12	2.39616G	-48.69	2.4G	-49.95	2.51982G	-44.51	3.24837G	-24.58	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX CSENdB

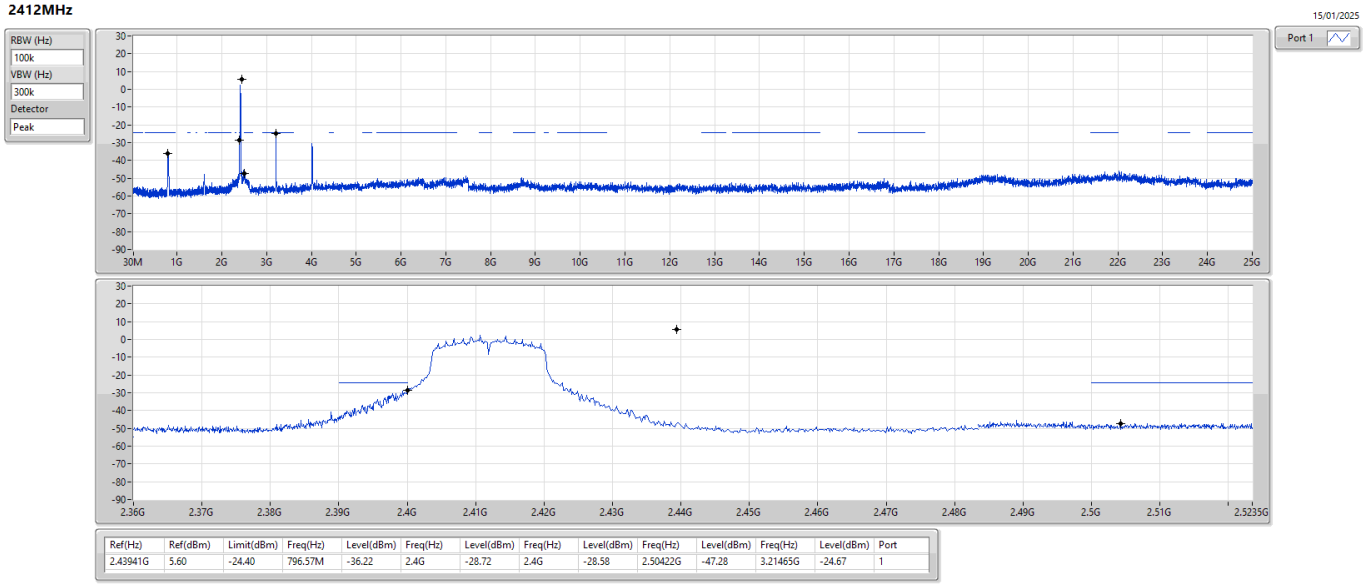
2462MHz



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
2.46146G	6.57	-23.43	819.87M	-30.98	2.39096G	-46.36	2.4G	-48.80	2.5147G	-44.89	3.28208G	-27.02	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX CSENdB

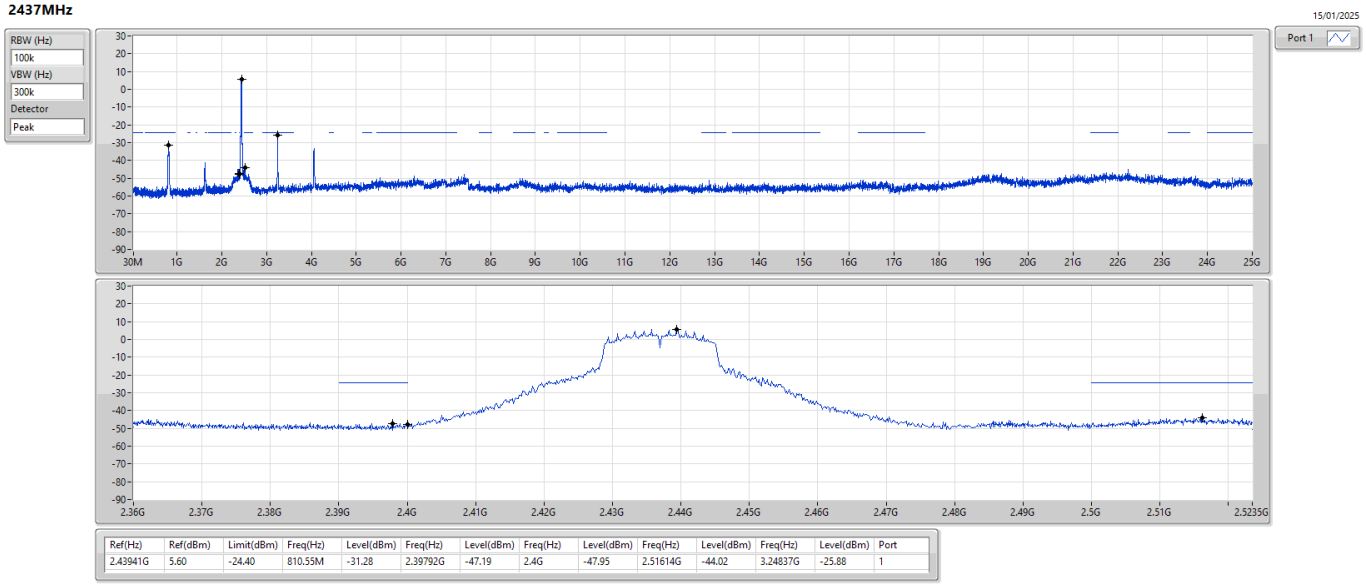
2412MHz



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	5.60	-24.40	796.57M	-36.22	2.4G	-28.72	2.4G	-28.58	2.50422G	-47.28	3.21465G	-24.67	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX CSENdB

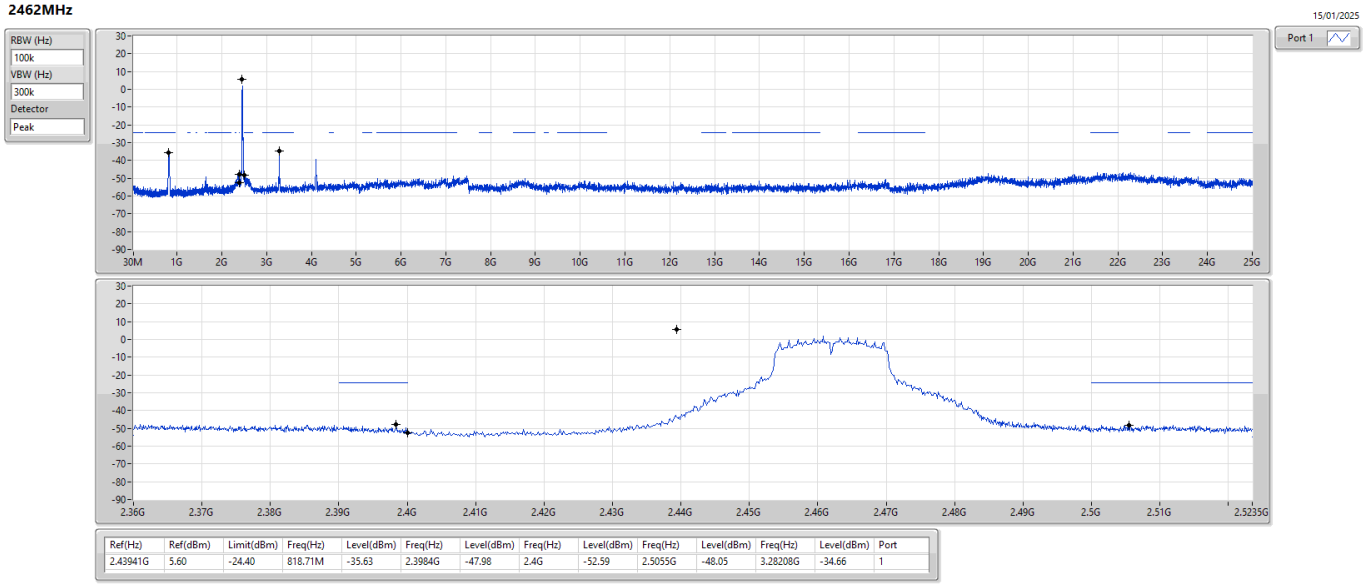
2437MHz



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	5.60	-24.40	810.55M	-31.28	2.39792G	-47.19	2.4G	-47.95	2.51614G	-44.02	3.24837G	-25.88	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX CSENdB

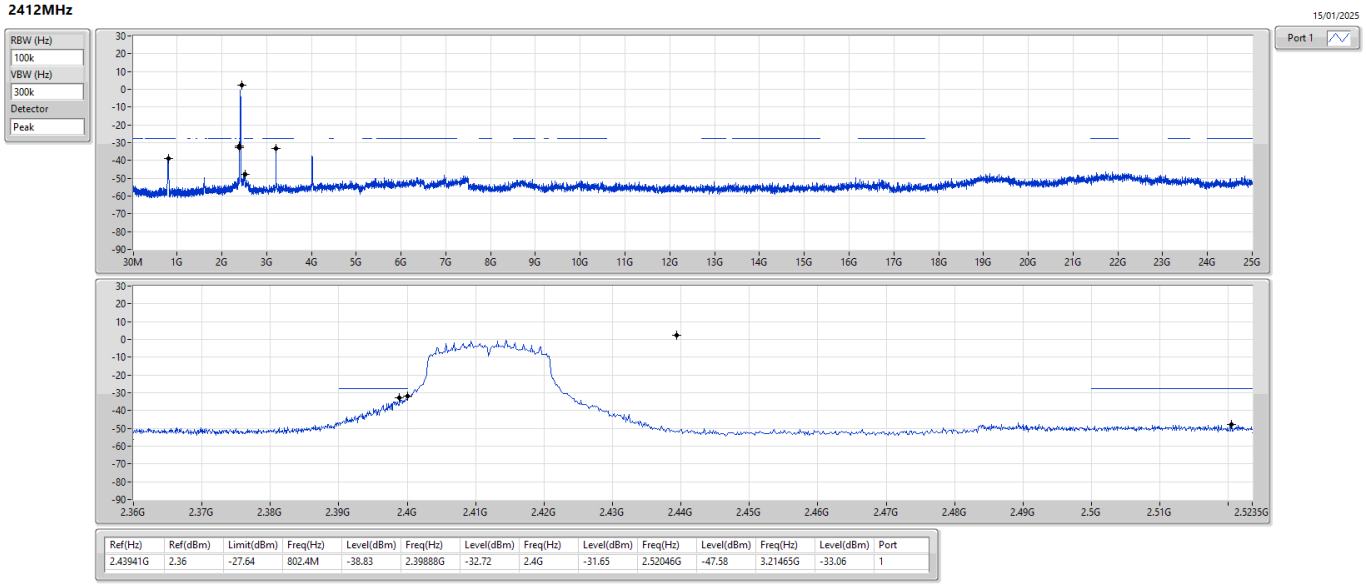
2462MHz



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	5.60	-24.40	818.71M	-35.63	2.3984G	-47.98	2.4G	-52.59	2.5055G	-48.05	3.28208G	-34.66	1

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX CSENdB

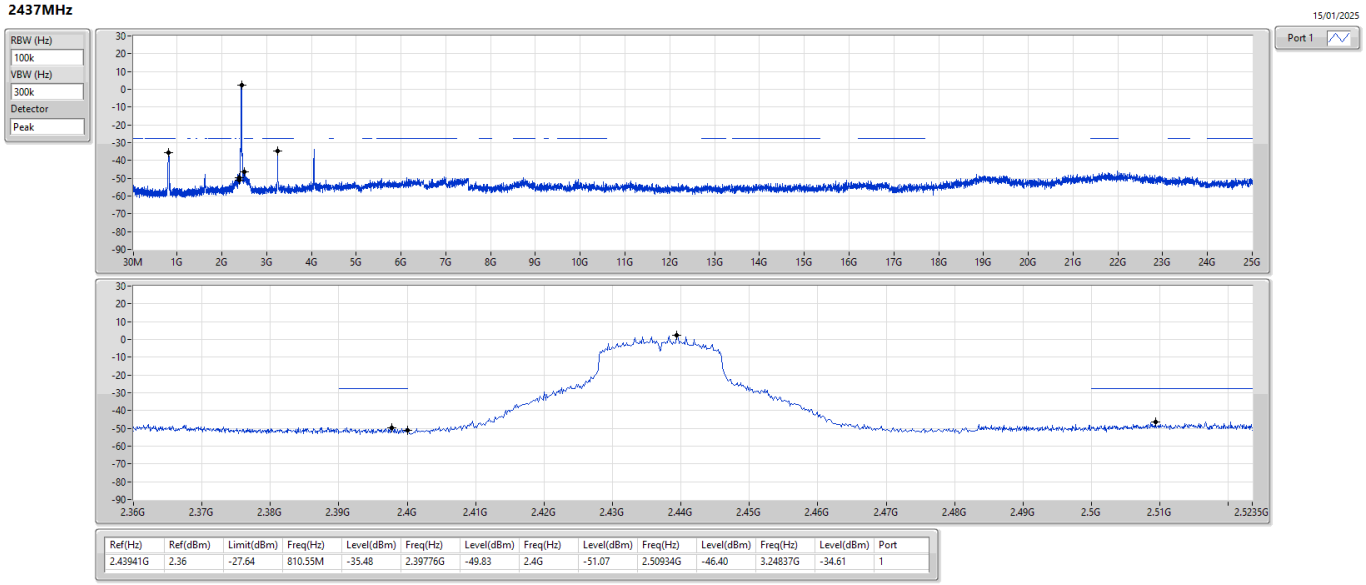
2412MHz



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	2.36	-27.64	802.4M	-38.83	2.39888G	-32.72	2.4G	-31.65	2.52046G	-47.58	3.21465G	-33.06	1

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX CSENdB

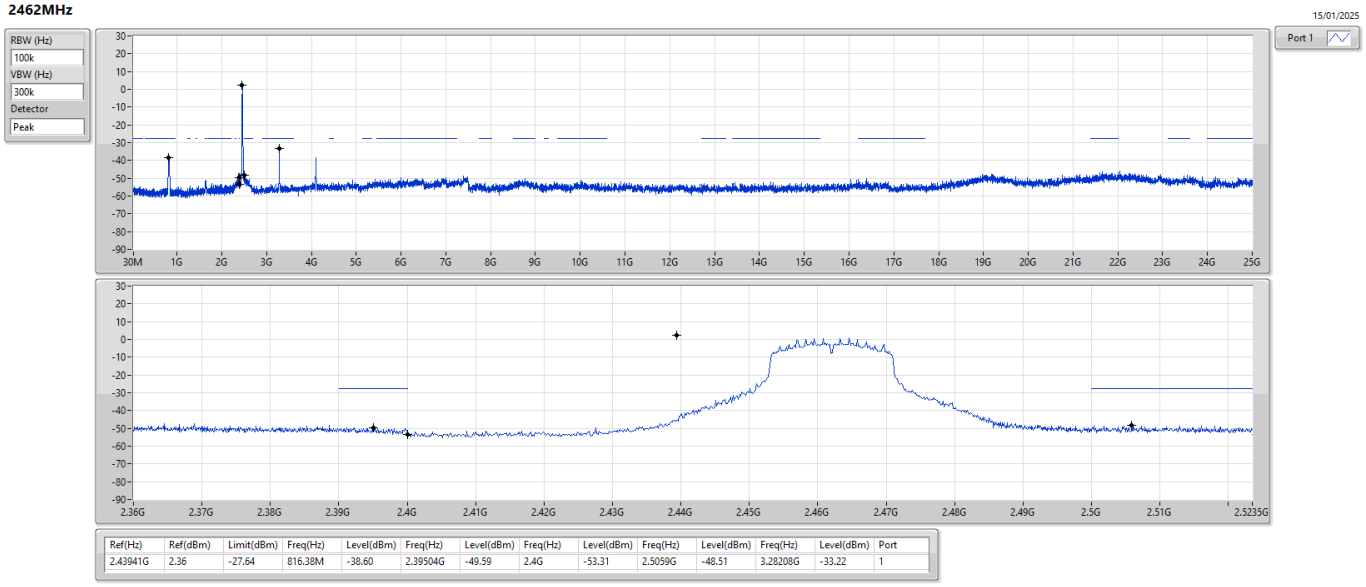
2437MHz



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	2.36	-27.64	810.55M	-35.48	2.39776G	-49.83	2.4G	-51.07	2.50934G	-46.40	3.24837G	-34.61	1

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX CSENdB

2462MHz

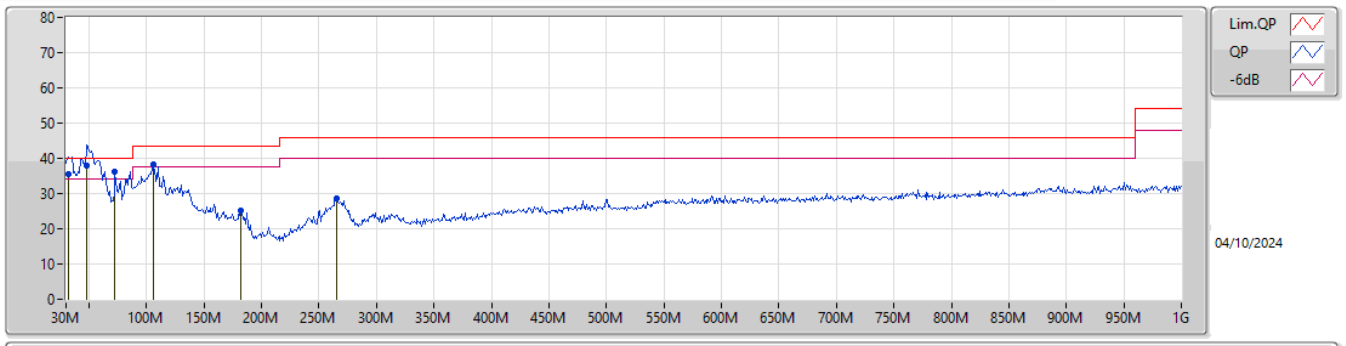


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43941G	2.36	-27.64	816.38M	-38.60	2.39504G	-49.59	2.4G	-53.31	2.5059G	-48.51	3.28208G	-33.22	1

Summary

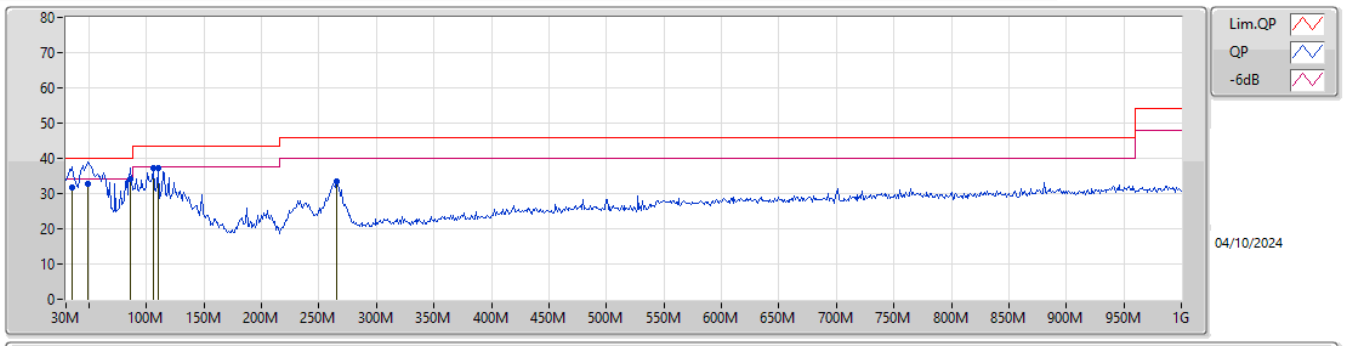
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	48.43M	38.04	40.00	-1.96	Vertical

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	31.94M	35.48	40.00	-4.52	-6.73	3	Vertical	54	1.25	-	42.21	23.53	1.16	31.42
QP	48.43M	38.04	40.00	-1.96	-15.38	3	Vertical	19	1.25	"Worst"	53.42	14.92	1.32	31.62
PK	72.68M	36.05	40.00	-3.95	-17.58	3	Vertical	209	1.00	-	53.63	12.55	1.58	31.71
PK	105.66M	38.14	43.50	-5.36	-12.63	3	Vertical	165	1.25	-	50.77	17.27	1.84	31.74
PK	182.29M	25.34	43.50	-18.16	-14.13	3	Vertical	246	1.00	-	39.47	15.17	2.48	31.78
PK	265.71M	28.47	46.00	-17.53	-9.85	3	Vertical	307	3.00	-	38.32	19.07	2.91	31.83

Mode 1



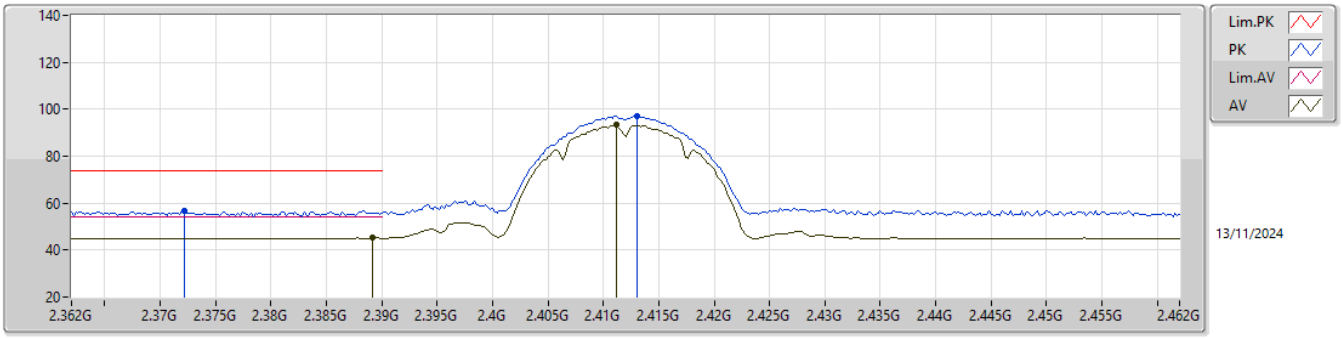
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV)	(dB/m)	(dB)	(dB)
QP	34.85M	31.75	40.00	-8.25	-8.40	3	Horizontal	336	2.00	-	40.15	21.90	1.19	31.49
QP	49.4M	32.63	40.00	-7.37	-15.73	3	Horizontal	169	2.00	-	48.36	14.57	1.33	31.63
QP	86.26M	34.10	40.00	-5.90	-15.92	3	Horizontal	124	2.00	"Worst"	50.02	14.23	1.58	31.73
PK	105.66M	37.23	43.50	-6.27	-12.63	3	Horizontal	150	1.50	-	49.86	17.27	1.84	31.74
PK	110.51M	37.34	43.50	-6.16	-12.01	3	Horizontal	115	1.50	-	49.35	17.84	1.90	31.75
PK	265.71M	33.38	46.00	-12.62	-9.85	3	Horizontal	200	1.00	-	43.23	19.07	2.91	31.83

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	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	4.06088G	53.67	54.00	-0.33	3	Vertical	168	1.93	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

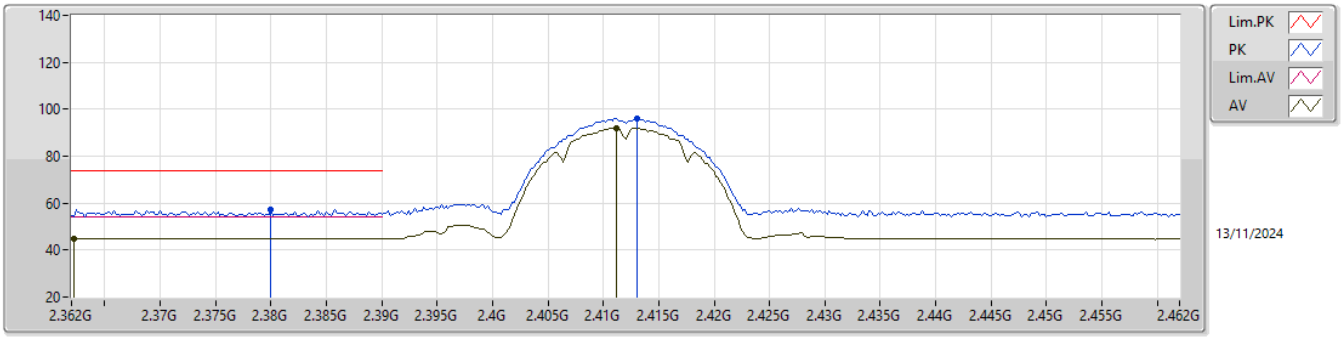


EUT Y_1TX
Setting 4
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3722G	56.95	74.00	-17.05	24.66	3	Vertical	193	2.11	-	27.68	4.61	-
AV	2.3892G	45.13	54.00	-8.87	12.91	3	Vertical	193	2.11	-	27.60	4.62	-
PK	2.413G	97.09	Inf	-Inf	64.87	3	Vertical	193	2.11	-	27.57	4.65	-
AV	2.4112G	93.20	Inf	-Inf	60.96	3	Vertical	193	2.11	-	27.59	4.65	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

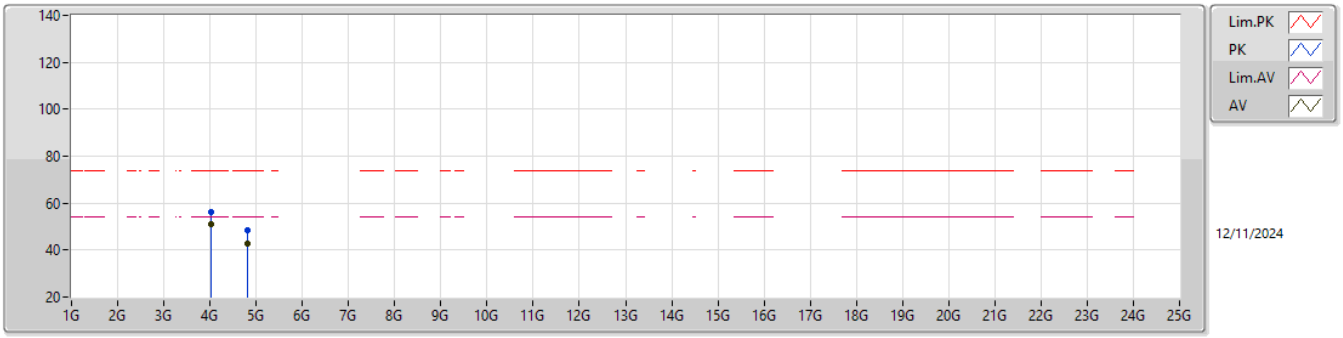


EUT Y_1TX
Setting 4
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.38G	57.35	74.00	-16.65	25.13	3	Horizontal	196	1.14	-	27.60	4.62	-
AV	2.3622G	45.04	54.00	-8.96	12.65	3	Horizontal	196	1.14	-	27.78	4.61	-
PK	2.413G	95.94	Inf	-Inf	63.72	3	Horizontal	196	1.14	-	27.57	4.65	-
AV	2.4112G	91.95	Inf	-Inf	59.71	3	Horizontal	196	1.14	-	27.59	4.65	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

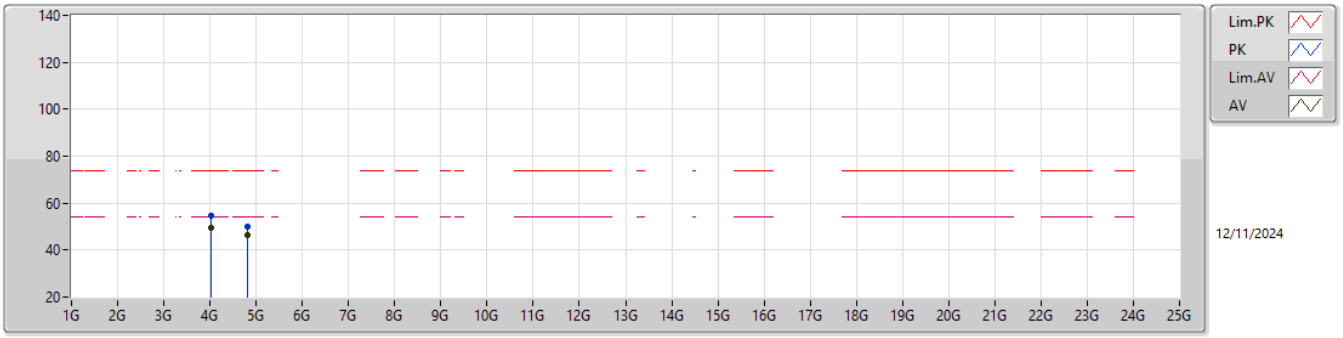


EUT Y_1TX
Setting 4
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.02096G	56.13	74.00	-17.87	54.21	3	Vertical	169	1.77	-	29.64	5.95	33.67
AV	4.01924G	51.24	54.00	-2.76	49.32	3	Vertical	169	1.77	-	29.64	5.95	33.67
PK	4.82394G	48.43	74.00	-25.57	44.49	3	Vertical	294	1.80	-	31.35	6.55	33.96
AV	4.824G	43.00	54.00	-11.00	39.06	3	Vertical	294	1.80	-	31.35	6.55	33.96

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

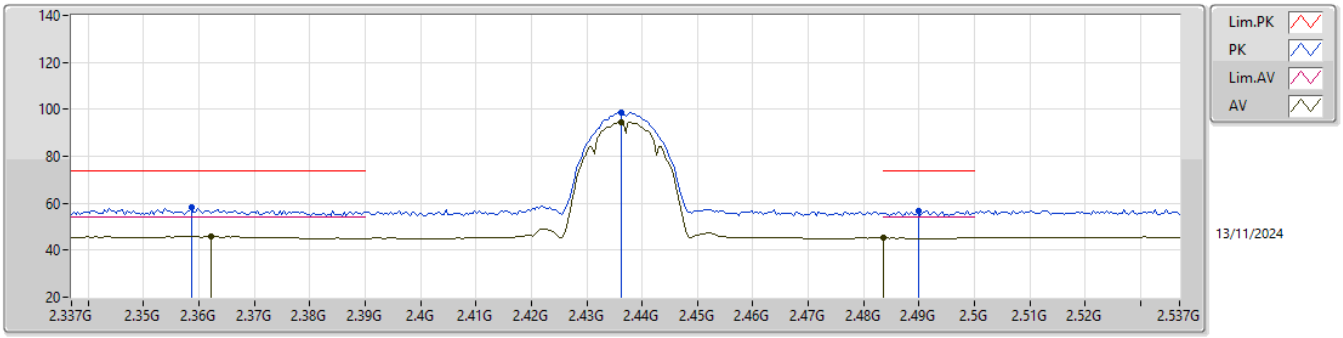


EUT Y_1TX
Setting 4
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.01898G	54.55	74.00	-19.45	52.63	3	Horizontal	277	2.06	-	29.64	5.95	33.67
AV	4.01922G	49.30	54.00	-4.70	47.38	3	Horizontal	277	2.06	-	29.64	5.95	33.67
PK	4.82412G	50.04	74.00	-23.96	46.10	3	Horizontal	227	2.01	-	31.35	6.55	33.96
AV	4.82394G	46.29	54.00	-7.71	42.35	3	Horizontal	227	2.01	-	31.35	6.55	33.96

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

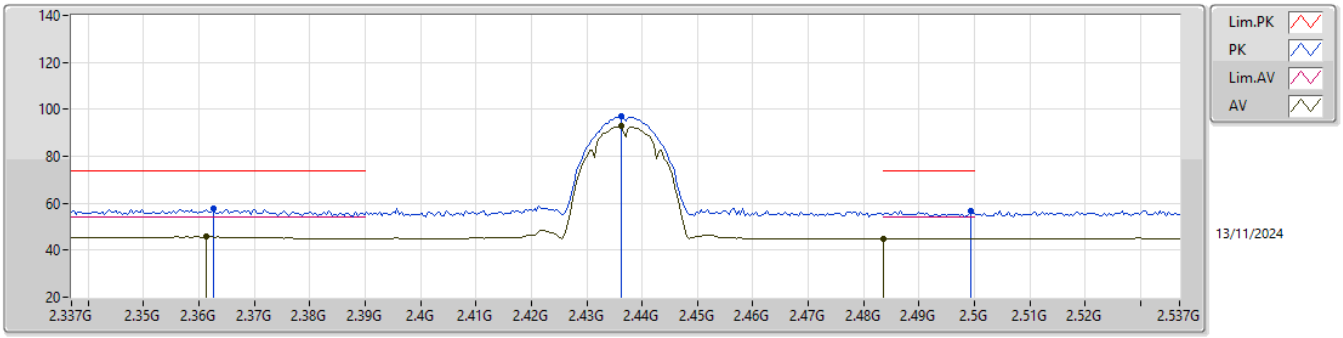


EUT Y_1TX
Setting 2
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3586G	58.12	74.00	-15.88	25.72	3	Vertical	188	1.93	-	27.80	4.60	-
AV	2.3622G	45.77	54.00	-8.23	13.38	3	Vertical	188	1.93	-	27.78	4.61	-
PK	2.4362G	98.61	Inf	-Inf	66.48	3	Vertical	188	1.93	-	27.44	4.69	-
AV	2.4362G	94.57	Inf	-Inf	62.44	3	Vertical	188	1.93	-	27.44	4.69	-
PK	2.4898G	56.96	74.00	-17.04	24.68	3	Vertical	188	1.93	-	27.50	4.78	-
AV	2.4835G	45.31	54.00	-8.69	13.11	3	Vertical	188	1.93	-	27.43	4.77	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

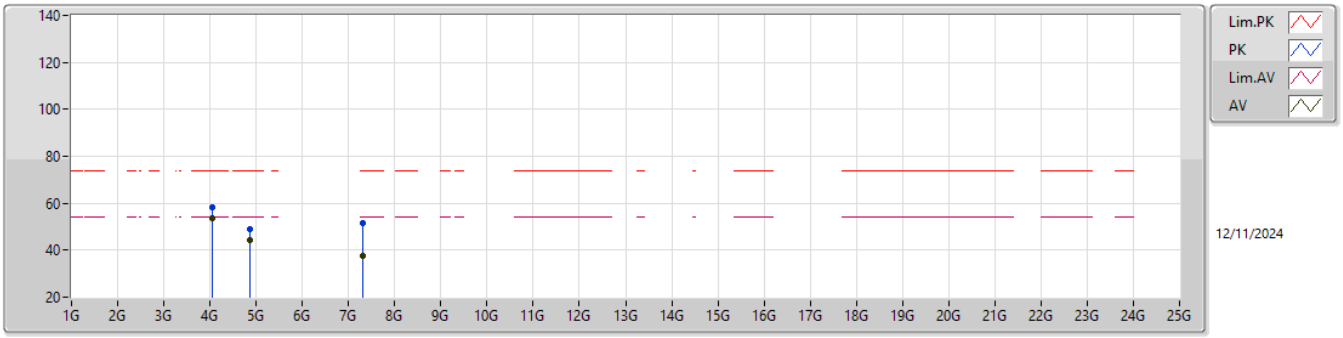


EUT Y_1TX
Setting 2
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3626G	57.62	74.00	-16.38	25.24	3	Horizontal	201	1.04	-	27.77	4.61	-
AV	2.3614G	45.69	54.00	-8.31	13.30	3	Horizontal	201	1.04	-	27.79	4.60	-
PK	2.4362G	96.88	Inf	-Inf	64.75	3	Horizontal	201	1.04	-	27.44	4.69	-
AV	2.4362G	93.05	Inf	-Inf	60.92	3	Horizontal	201	1.04	-	27.44	4.69	-
PK	2.4994G	56.82	74.00	-17.18	24.61	3	Horizontal	201	1.04	-	27.41	4.80	-
AV	2.4835G	45.04	54.00	-8.96	12.84	3	Horizontal	201	1.04	-	27.43	4.77	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

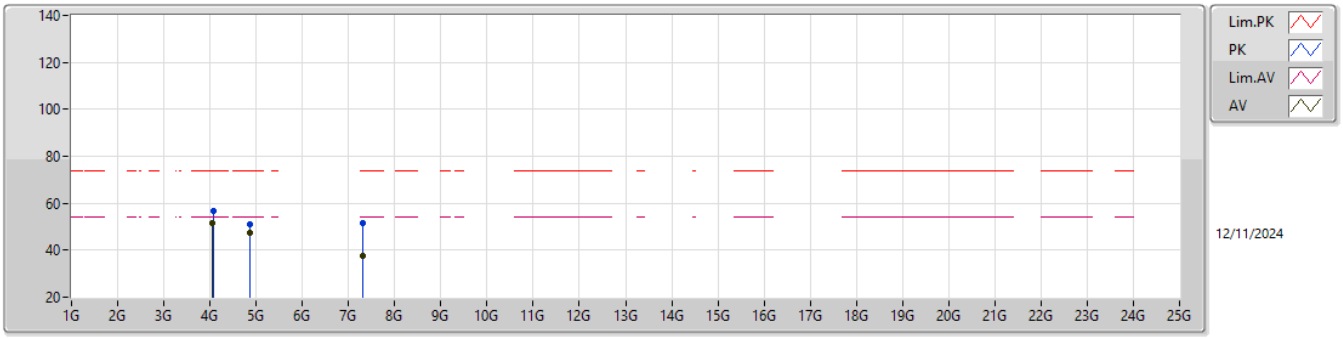


EUT Y_1TX
Setting 2
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.06064G	58.36	74.00	-15.64	56.33	3	Vertical	168	1.93	-	29.72	6.00	33.69
AV	4.06088G	53.67	54.00	-0.33	51.64	3	Vertical	168	1.93	-	29.72	6.00	33.69
PK	4.87392G	49.07	74.00	-24.93	45.19	3	Vertical	287	1.86	-	31.30	6.55	33.97
AV	4.87392G	44.43	54.00	-9.57	40.55	3	Vertical	287	1.86	-	31.30	6.55	33.97
PK	7.31284G	51.48	74.00	-22.52	40.49	3	Vertical	358	2.72	-	36.60	8.58	34.19
AV	7.301G	37.47	54.00	-16.53	26.49	3	Vertical	358	2.72	-	36.60	8.57	34.19

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

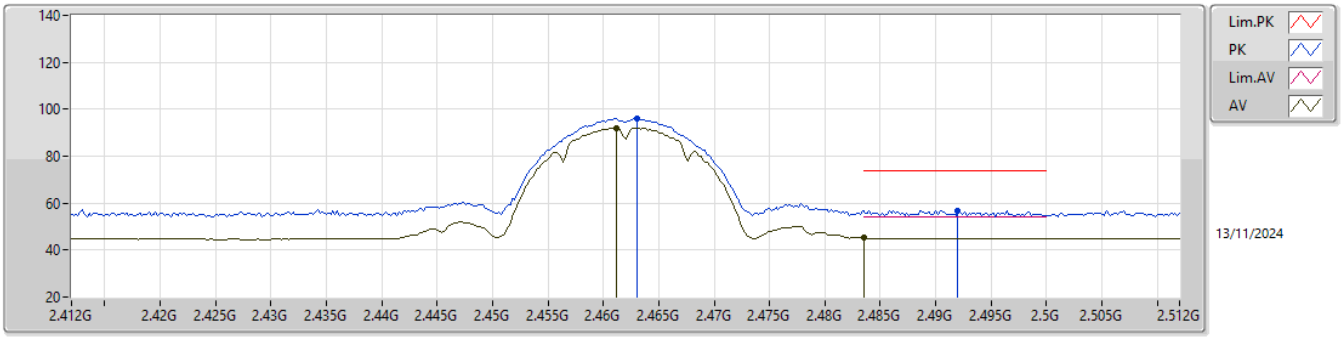


EUT Y_1TX
Setting 2
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.0626G	56.54	74.00	-17.46	54.50	3	Horizontal	278	1.89	-	29.73	6.00	33.69
AV	4.06088G	51.58	54.00	-2.42	49.55	3	Horizontal	278	1.89	-	29.72	6.00	33.69
PK	4.87392G	51.28	74.00	-22.72	47.40	3	Horizontal	227	2.06	-	31.30	6.55	33.97
AV	4.87396G	47.38	54.00	-6.62	43.50	3	Horizontal	227	2.06	-	31.30	6.55	33.97
PK	7.30788G	51.36	74.00	-22.64	40.38	3	Horizontal	353	1.00	-	36.60	8.57	34.19
AV	7.30416G	37.45	54.00	-16.55	26.47	3	Horizontal	353	1.00	-	36.60	8.57	34.19

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

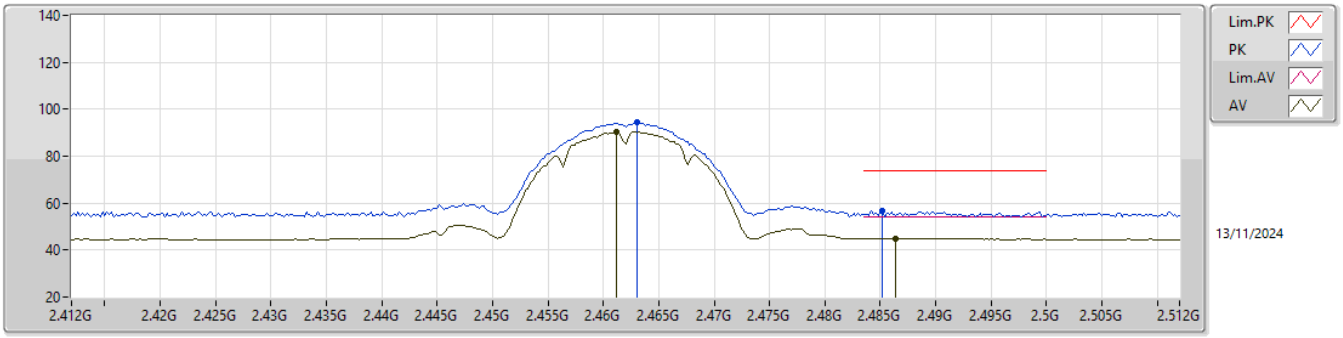


EUT Y_1TX
Setting 4
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	96.17	Inf	-Inf	64.06	3	Vertical	186	1.80	-	27.37	4.74	-
AV	2.4612G	92.14	Inf	-Inf	60.02	3	Vertical	186	1.80	-	27.39	4.73	-
PK	2.492G	56.89	74.00	-17.11	24.62	3	Vertical	186	1.80	-	27.48	4.79	-
AV	2.4835G	45.09	54.00	-8.91	12.89	3	Vertical	186	1.80	-	27.43	4.77	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

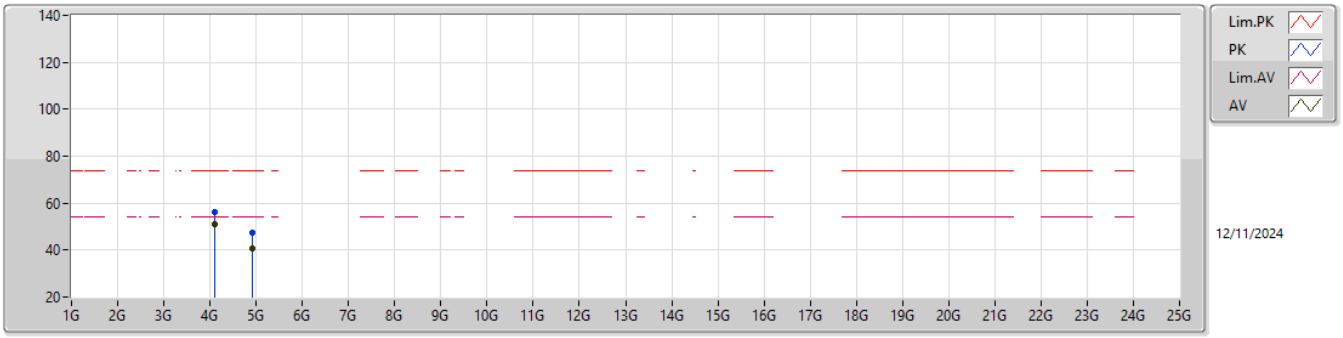


EUT Y_1TX
Setting 4
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	94.34	Inf	-Inf	62.23	3	Horizontal	34	2.85	-	27.37	4.74	-
AV	2.4612G	90.25	Inf	-Inf	58.13	3	Horizontal	34	2.85	-	27.39	4.73	-
PK	2.4852G	56.67	74.00	-17.33	24.45	3	Horizontal	34	2.85	-	27.45	4.77	-
AV	2.4864G	44.86	54.00	-9.14	12.62	3	Horizontal	34	2.85	-	27.46	4.78	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

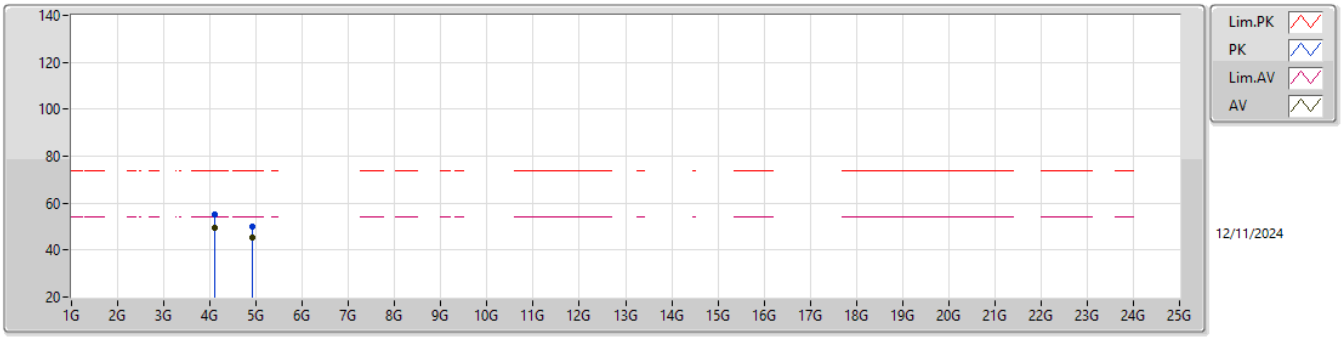


EUT Y_1TX
Setting 4
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.10432G	55.95	74.00	-18.05	53.79	3	Vertical	169	1.87	-	29.81	6.06	33.71
AV	4.10252G	51.06	54.00	-2.94	48.90	3	Vertical	169	1.87	-	29.81	6.06	33.71
PK	4.92392G	47.24	74.00	-26.76	43.26	3	Vertical	167	1.76	-	31.40	6.56	33.98
AV	4.92392G	40.79	54.00	-13.21	36.81	3	Vertical	167	1.76	-	31.40	6.56	33.98

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

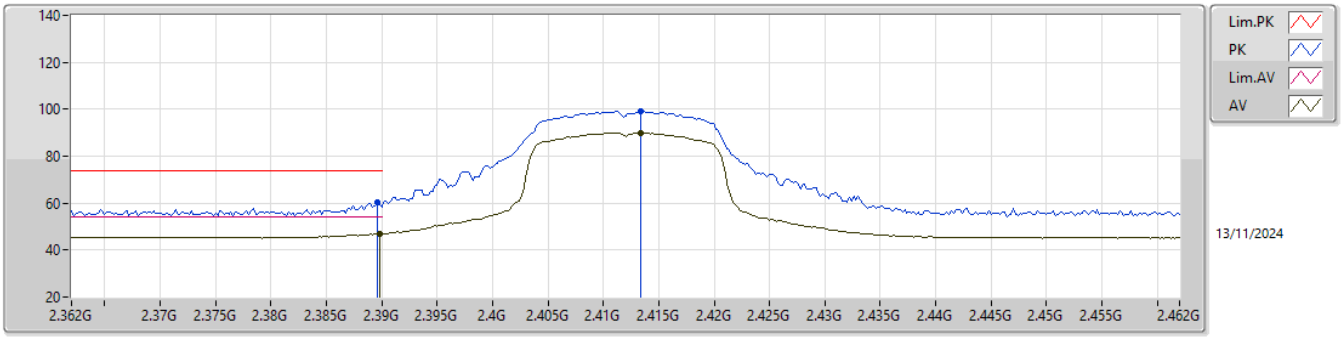


EUT Y_1TX
Setting 4
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.10424G	54.99	74.00	-19.01	52.83	3	Horizontal	278	1.80	-	29.81	6.06	33.71
AV	4.10256G	49.64	54.00	-4.36	47.48	3	Horizontal	278	1.80	-	29.81	6.06	33.71
PK	4.92392G	49.93	74.00	-24.07	45.95	3	Horizontal	165	2.01	-	31.40	6.56	33.98
AV	4.92396G	45.37	54.00	-8.63	41.39	3	Horizontal	165	2.01	-	31.40	6.56	33.98

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

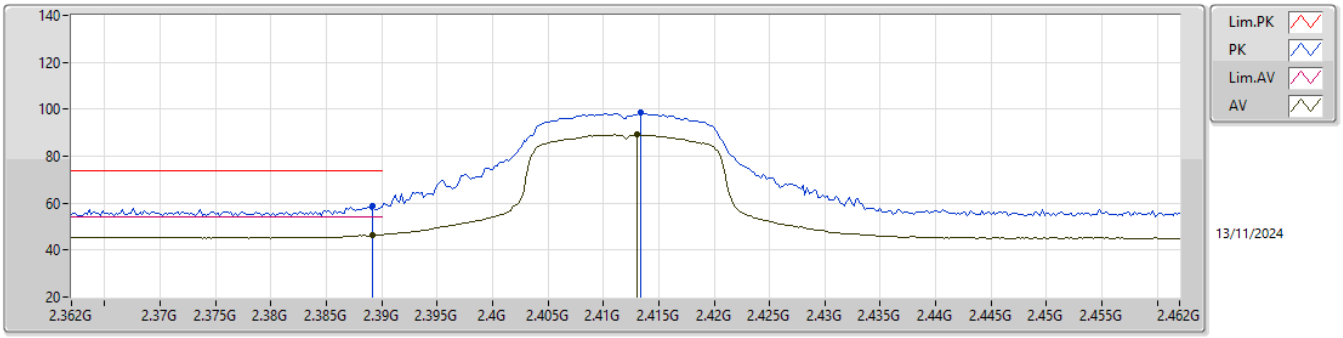


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	60.28	74.00	-13.72	28.06	3	Vertical	191	2.12	-	27.60	4.62	-
AV	2.3898G	47.09	54.00	-6.91	14.87	3	Vertical	191	2.12	-	27.60	4.62	-
PK	2.4134G	99.22	Inf	-Inf	67.00	3	Vertical	191	2.12	-	27.57	4.65	-
AV	2.4134G	89.90	Inf	-Inf	57.68	3	Vertical	191	2.12	-	27.57	4.65	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

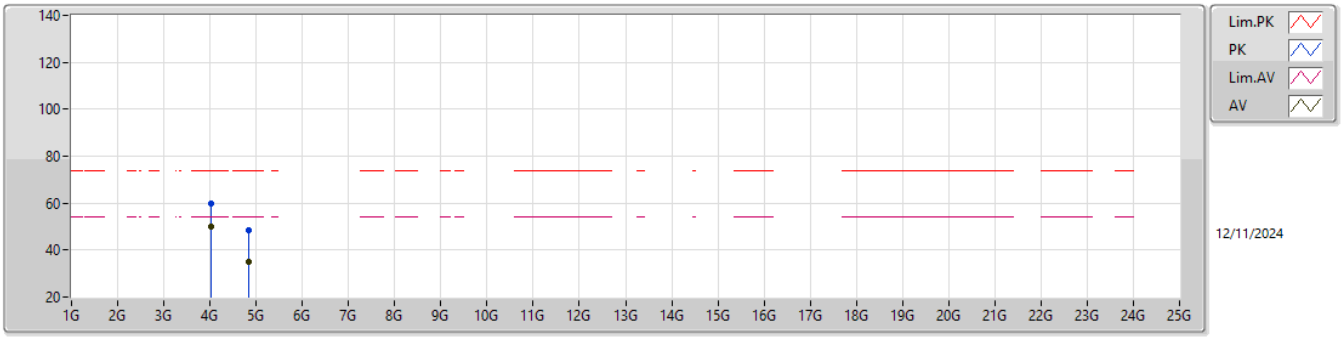


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	58.91	74.00	-15.09	26.69	3	Horizontal	197	1.12	-	27.60	4.62	-
AV	2.3892G	46.53	54.00	-7.47	14.31	3	Horizontal	197	1.12	-	27.60	4.62	-
PK	2.4134G	98.42	Inf	-Inf	66.20	3	Horizontal	197	1.12	-	27.57	4.65	-
AV	2.413G	89.10	Inf	-Inf	56.88	3	Horizontal	197	1.12	-	27.57	4.65	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

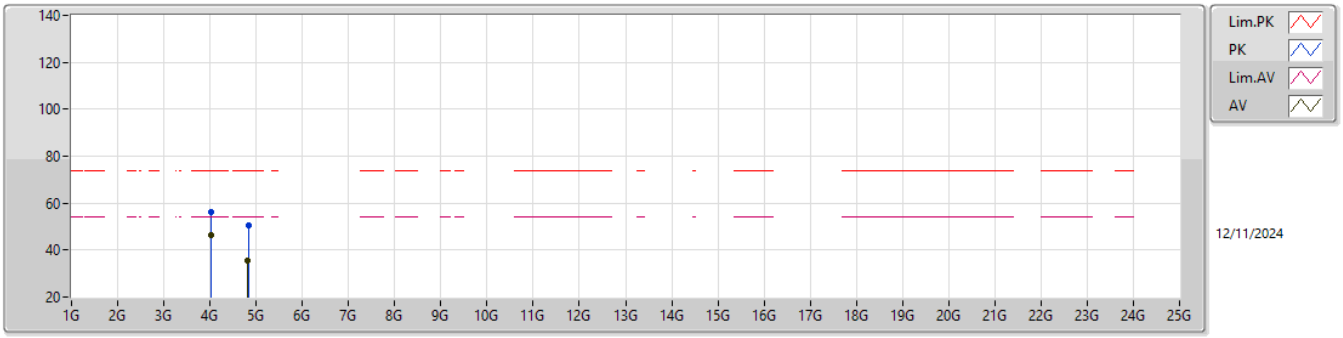


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.02104G	59.81	74.00	-14.19	57.89	3	Vertical	170	2.20	-	29.64	5.95	33.67
AV	4.02104G	49.97	54.00	-4.03	48.05	3	Vertical	170	2.20	-	29.64	5.95	33.67
PK	4.8258G	48.68	74.00	-25.32	44.74	3	Vertical	288	2.04	-	31.35	6.55	33.96
AV	4.82588G	34.87	54.00	-19.13	30.93	3	Vertical	288	2.04	-	31.35	6.55	33.96

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

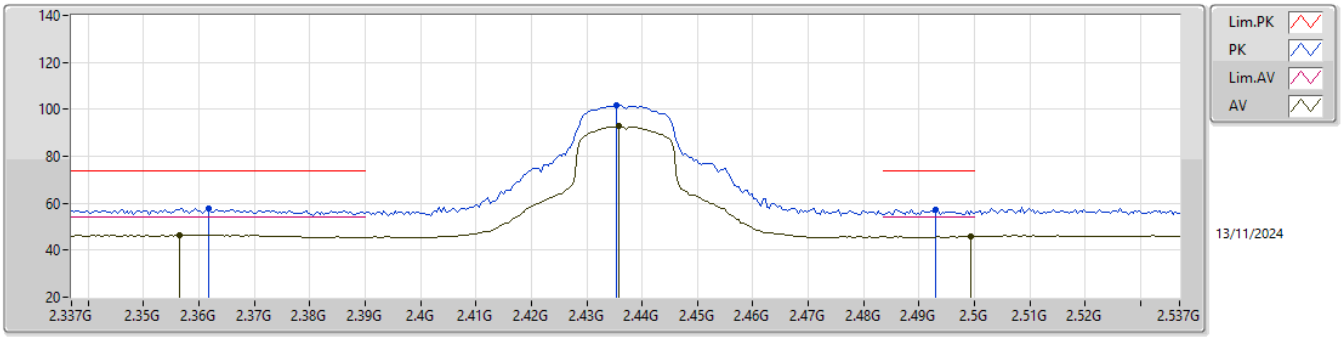


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.02188G	56.22	74.00	-17.78	54.30	3	Horizontal	275	1.80	-	29.64	5.95	33.67
AV	4.0188G	46.51	54.00	-7.49	44.59	3	Horizontal	275	1.80	-	29.64	5.95	33.67
PK	4.82624G	50.35	74.00	-23.65	46.41	3	Horizontal	230	2.02	-	31.35	6.55	33.96
AV	4.82428G	35.77	54.00	-18.23	31.83	3	Horizontal	230	2.02	-	31.35	6.55	33.96

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

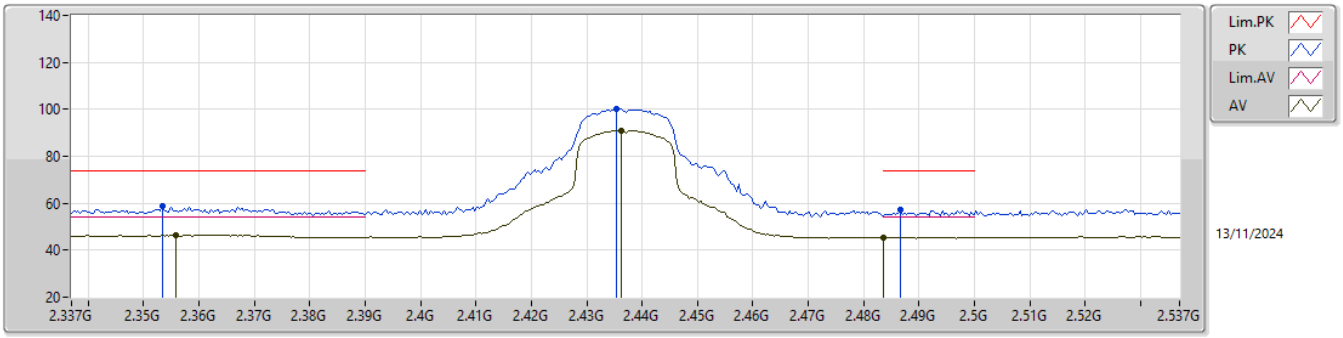


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3618G	57.85	74.00	-16.15	25.46	3	Vertical	189	1.92	-	27.78	4.61	-
AV	2.3566G	46.53	54.00	-7.47	14.13	3	Vertical	189	1.92	-	27.80	4.60	-
PK	2.4354G	101.80	Inf	-Inf	69.66	3	Vertical	189	1.92	-	27.45	4.69	-
AV	2.4358G	92.69	Inf	-Inf	60.56	3	Vertical	189	1.92	-	27.44	4.69	-
PK	2.493G	57.07	74.00	-16.93	24.81	3	Vertical	189	1.92	-	27.47	4.79	-
AV	2.4994G	45.93	54.00	-8.07	13.72	3	Vertical	189	1.92	-	27.41	4.80	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

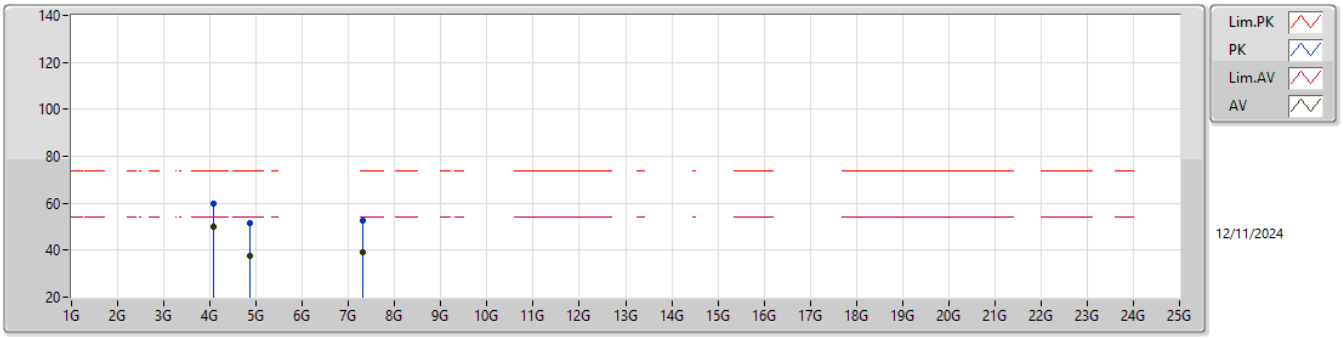


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3534G	58.74	74.00	-15.26	26.34	3	Horizontal	199	1.07	-	27.80	4.60	-
AV	2.3558G	46.44	54.00	-7.56	14.04	3	Horizontal	199	1.07	-	27.80	4.60	-
PK	2.4354G	99.97	Inf	-Inf	67.83	3	Horizontal	199	1.07	-	27.45	4.69	-
AV	2.4362G	90.99	Inf	-Inf	58.86	3	Horizontal	199	1.07	-	27.44	4.69	-
PK	2.4866G	57.50	74.00	-16.50	25.25	3	Horizontal	199	1.07	-	27.47	4.78	-
AV	2.4835G	45.57	54.00	-8.43	13.37	3	Horizontal	199	1.07	-	27.43	4.77	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

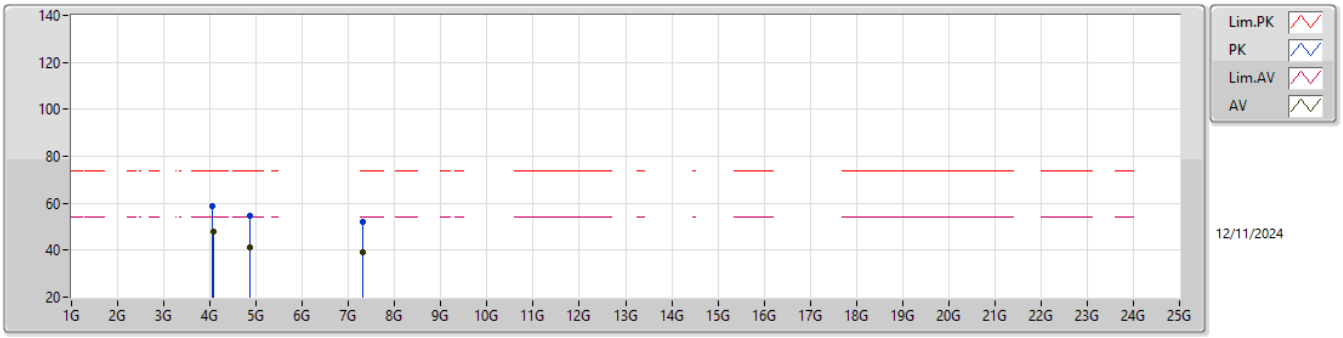


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.06264G	59.92	74.00	-14.08	57.88	3	Vertical	169	1.77	-	29.73	6.00	33.69
AV	4.06264G	49.85	54.00	-4.15	47.81	3	Vertical	169	1.77	-	29.73	6.00	33.69
PK	4.87036G	51.31	74.00	-22.69	47.43	3	Vertical	284	1.86	-	31.30	6.55	33.97
AV	4.87416G	37.52	54.00	-16.48	33.64	3	Vertical	284	1.86	-	31.30	6.55	33.97
PK	7.31704G	52.44	74.00	-21.56	41.45	3	Vertical	167	1.51	-	36.60	8.58	34.19
AV	7.31036G	39.11	54.00	-14.89	28.13	3	Vertical	167	1.51	-	36.60	8.57	34.19

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

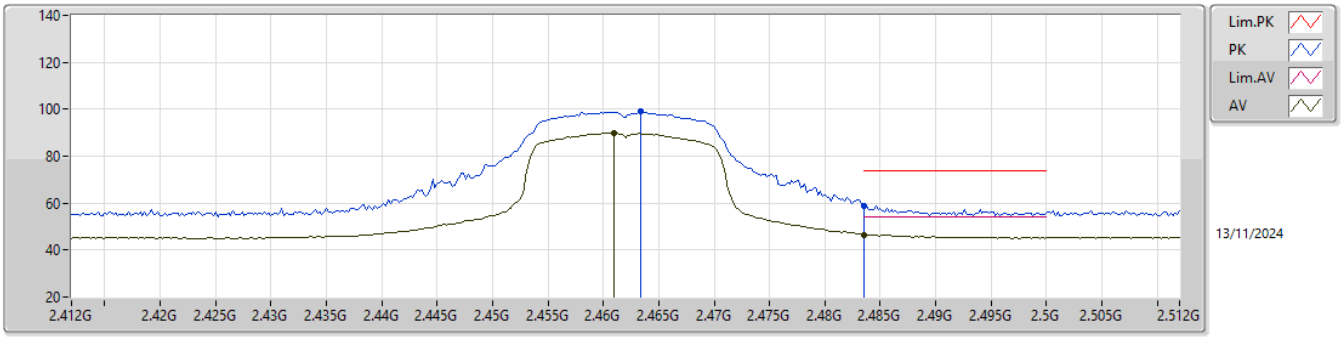


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.06156G	58.54	74.00	-15.46	56.51	3	Horizontal	278	1.80	-	29.72	6.00	33.69
AV	4.06264G	48.03	54.00	-5.97	45.99	3	Horizontal	278	1.80	-	29.73	6.00	33.69
PK	4.87568G	54.51	74.00	-19.49	50.63	3	Horizontal	229	2.06	-	31.30	6.55	33.97
AV	4.8742G	41.16	54.00	-12.84	37.28	3	Horizontal	229	2.06	-	31.30	6.55	33.97
PK	7.3084G	52.06	74.00	-21.94	41.08	3	Horizontal	258	1.51	-	36.60	8.57	34.19
AV	7.31348G	39.23	54.00	-14.77	28.24	3	Horizontal	258	1.51	-	36.60	8.58	34.19

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

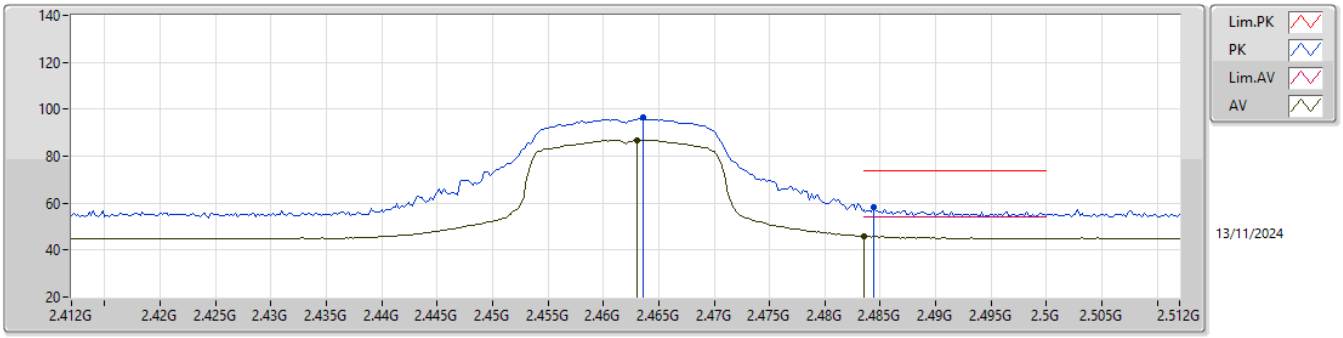


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4634G	98.95	Inf	-Inf	66.84	3	Vertical	188	1.86	-	27.37	4.74	-
AV	2.461G	89.79	Inf	-Inf	57.67	3	Vertical	188	1.86	-	27.39	4.73	-
PK	2.4835G	58.90	74.00	-15.10	26.70	3	Vertical	188	1.86	-	27.43	4.77	-
AV	2.4835G	46.63	54.00	-7.37	14.43	3	Vertical	188	1.86	-	27.43	4.77	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

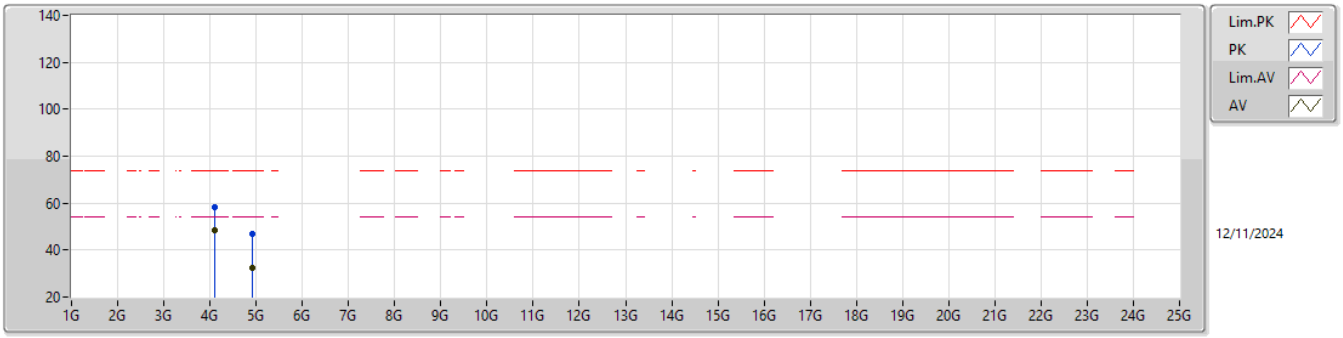


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4636G	96.70	Inf	-Inf	64.60	3	Horizontal	37	2.86	-	27.36	4.74	-
AV	2.463G	86.90	Inf	-Inf	54.79	3	Horizontal	37	2.86	-	27.37	4.74	-
PK	2.4844G	58.04	74.00	-15.96	25.83	3	Horizontal	37	2.86	-	27.44	4.77	-
AV	2.4835G	45.99	54.00	-8.01	13.79	3	Horizontal	37	2.86	-	27.43	4.77	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

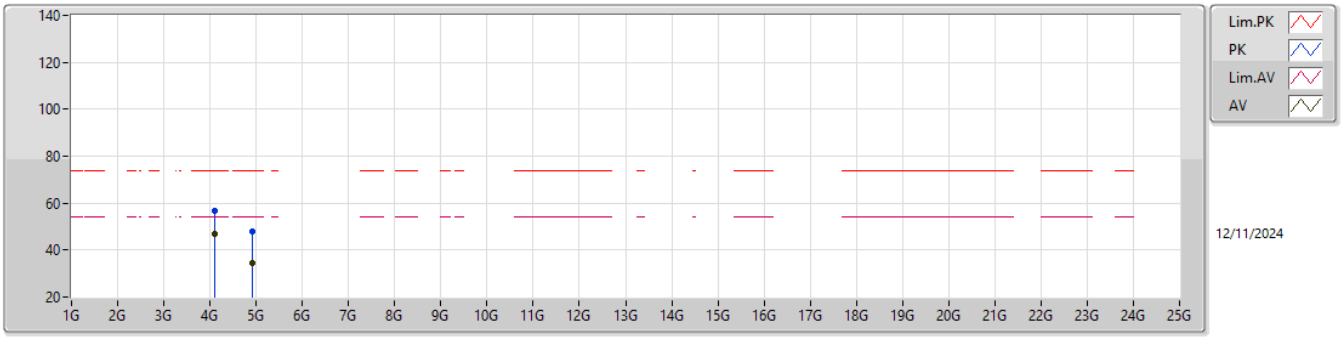


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.10432G	58.37	74.00	-15.63	56.21	3	Vertical	170	2.13	-	29.81	6.06	33.71
AV	4.10208G	48.59	54.00	-5.41	46.44	3	Vertical	170	2.13	-	29.80	6.06	33.71
PK	4.92028G	46.93	74.00	-27.07	42.97	3	Vertical	289	1.80	-	31.38	6.56	33.98
AV	4.92404G	32.37	54.00	-21.63	28.39	3	Vertical	289	1.80	-	31.40	6.56	33.98

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

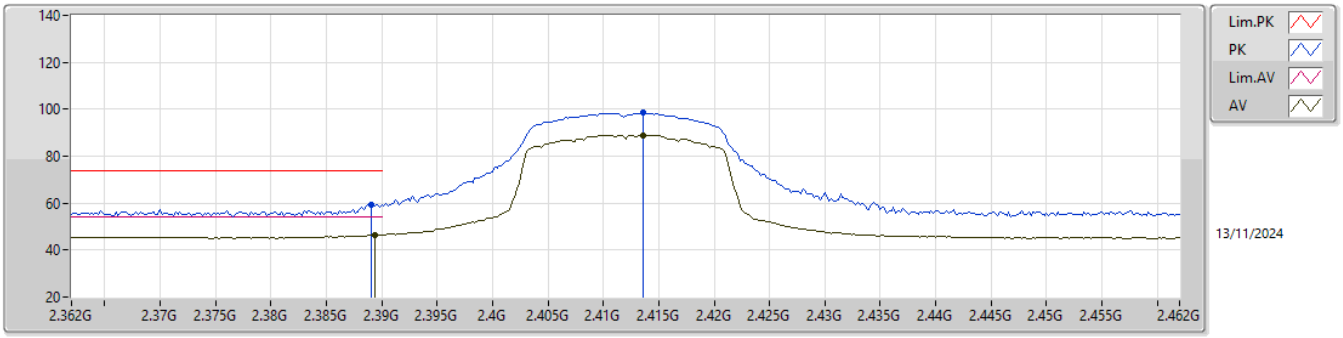


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.10508G	56.82	74.00	-17.18	54.66	3	Horizontal	277	1.80	-	29.81	6.06	33.71
AV	4.10224G	47.13	54.00	-6.87	44.98	3	Horizontal	277	1.80	-	29.80	6.06	33.71
PK	4.92716G	47.92	74.00	-26.08	43.93	3	Horizontal	162	1.80	-	31.41	6.56	33.98
AV	4.92388G	34.33	54.00	-19.67	30.35	3	Horizontal	162	1.80	-	31.40	6.56	33.98

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

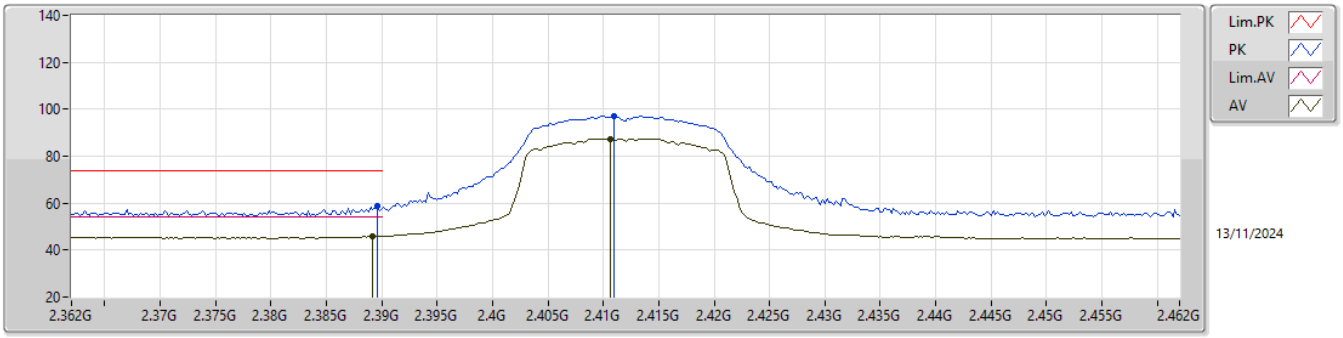


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	59.51	74.00	-14.49	27.29	3	Vertical	193	2.09	-	27.60	4.62	-
AV	2.3894G	46.37	54.00	-7.63	14.15	3	Vertical	193	2.09	-	27.60	4.62	-
PK	2.4136G	98.42	Inf	-Inf	66.21	3	Vertical	193	2.09	-	27.56	4.65	-
AV	2.4136G	88.97	Inf	-Inf	56.76	3	Vertical	193	2.09	-	27.56	4.65	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

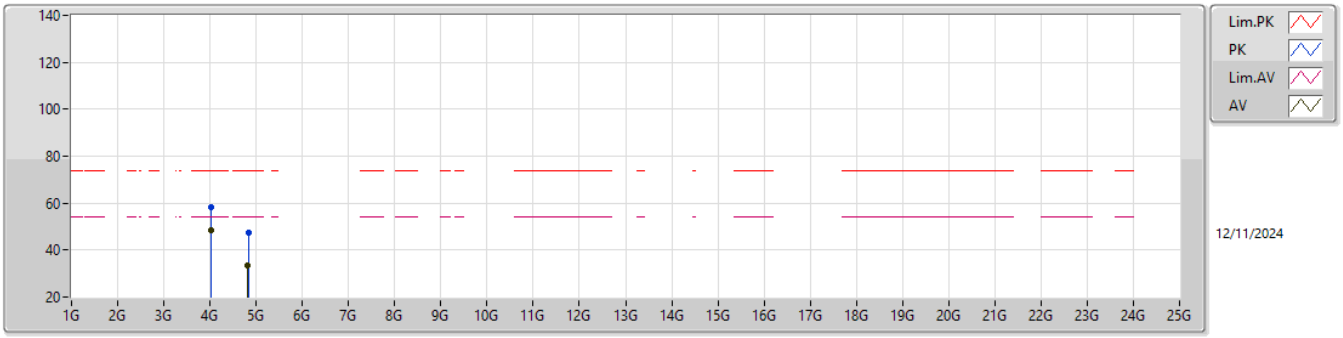


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	58.79	74.00	-15.21	26.57	3	Horizontal	201	1.12	-	27.60	4.62	-
AV	2.3892G	46.00	54.00	-8.00	13.78	3	Horizontal	201	1.12	-	27.60	4.62	-
PK	2.411G	96.95	Inf	-Inf	64.71	3	Horizontal	201	1.12	-	27.59	4.65	-
AV	2.4106G	87.50	Inf	-Inf	55.26	3	Horizontal	201	1.12	-	27.59	4.65	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

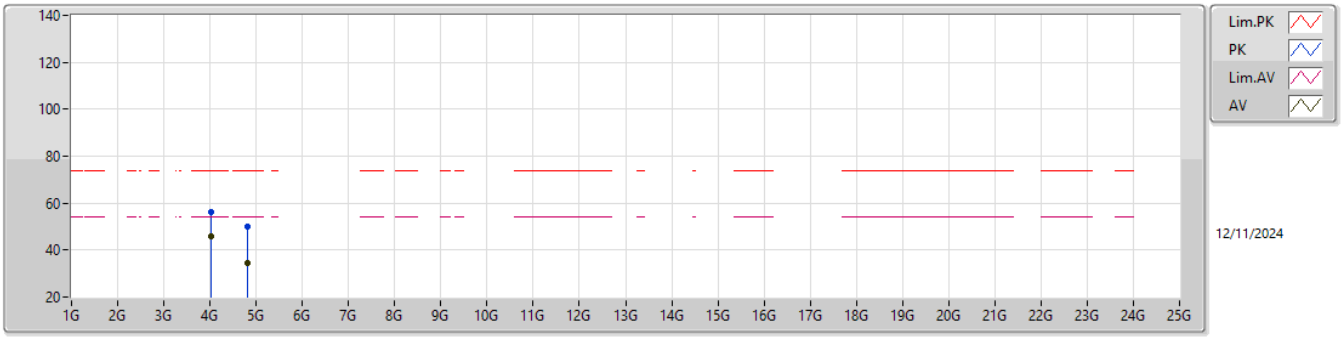


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.018G	58.30	74.00	-15.70	56.39	3	Vertical	167	1.77	-	29.64	5.94	33.67
AV	4.01852G	48.26	54.00	-5.74	46.34	3	Vertical	167	1.77	-	29.64	5.95	33.67
PK	4.82744G	47.53	74.00	-26.47	43.59	3	Vertical	290	1.79	-	31.35	6.55	33.96
AV	4.82388G	33.21	54.00	-20.79	29.27	3	Vertical	290	1.79	-	31.35	6.55	33.96

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

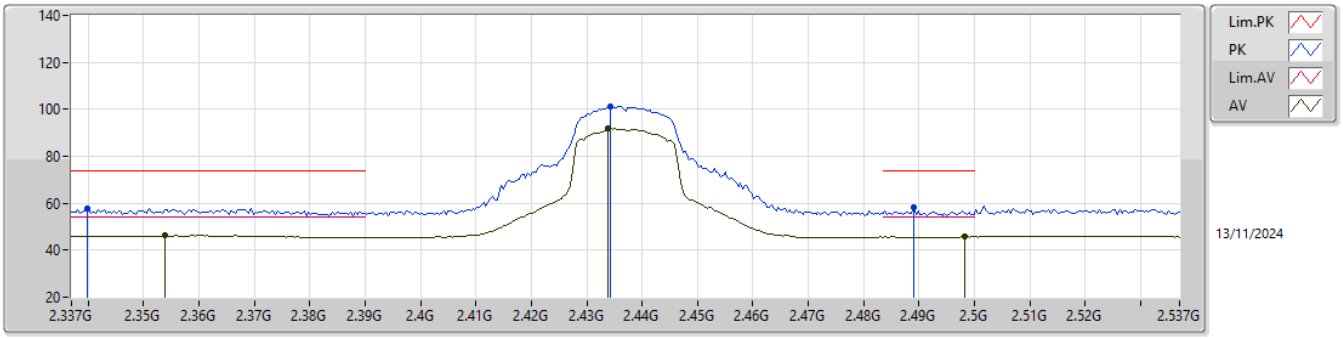


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.02104G	56.23	74.00	-17.77	54.31	3	Horizontal	277	1.96	-	29.64	5.95	33.67
AV	4.02132G	46.08	54.00	-7.92	44.16	3	Horizontal	277	1.96	-	29.64	5.95	33.67
PK	4.82308G	49.75	74.00	-24.25	45.81	3	Horizontal	226	1.90	-	31.35	6.55	33.96
AV	4.82364G	34.64	54.00	-19.36	30.70	3	Horizontal	226	1.90	-	31.35	6.55	33.96

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

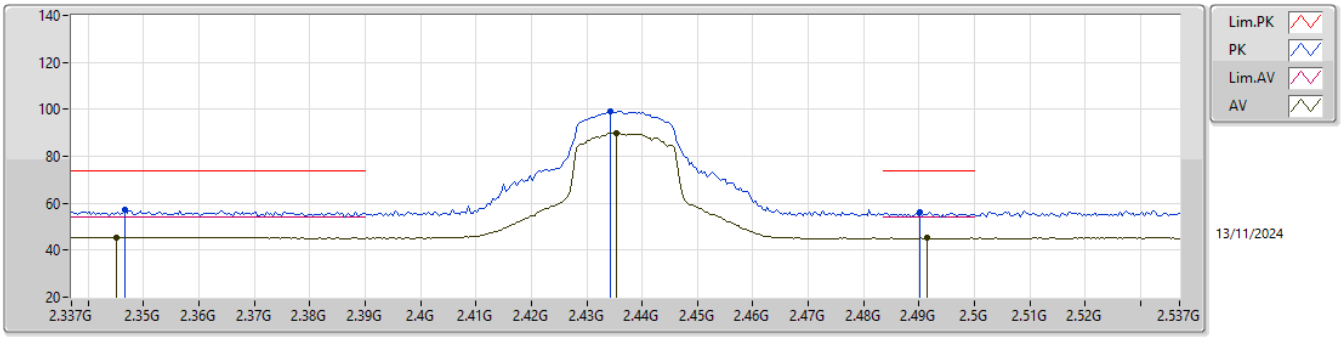


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3398G	57.81	74.00	-16.19	25.42	3	Vertical	188	1.91	-	27.80	4.59	-
AV	2.3538G	46.28	54.00	-7.72	13.88	3	Vertical	188	1.91	-	27.80	4.60	-
PK	2.4342G	101.24	Inf	-Inf	69.09	3	Vertical	188	1.91	-	27.46	4.69	-
AV	2.4338G	91.72	Inf	-Inf	59.57	3	Vertical	188	1.91	-	27.46	4.69	-
PK	2.489G	58.11	74.00	-15.89	25.84	3	Vertical	188	1.91	-	27.49	4.78	-
AV	2.4982G	45.78	54.00	-8.22	13.56	3	Vertical	188	1.91	-	27.42	4.80	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

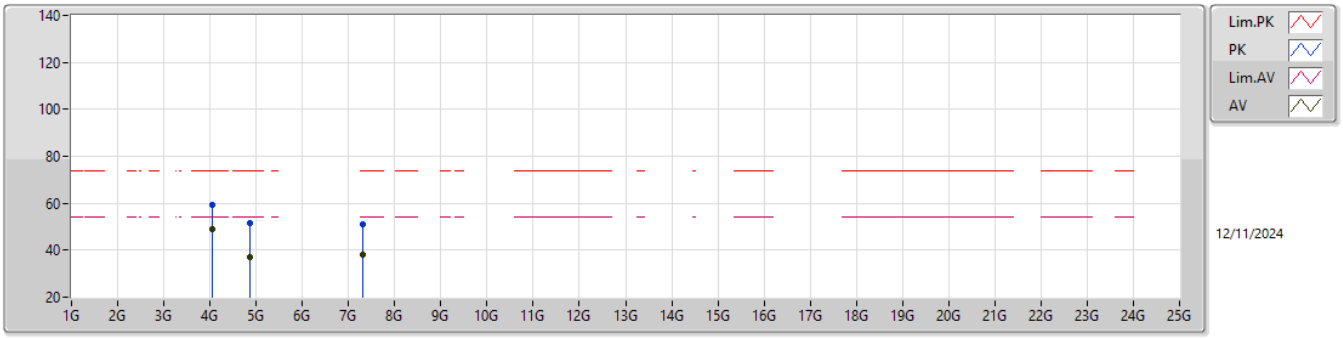


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3466G	57.22	74.00	-16.78	24.82	3	Horizontal	31	2.92	-	27.80	4.60	-
AV	2.345G	45.56	54.00	-8.44	13.17	3	Horizontal	31	2.92	-	27.80	4.59	-
PK	2.4342G	99.17	Inf	-Inf	67.02	3	Horizontal	31	2.92	-	27.46	4.69	-
AV	2.4354G	89.90	Inf	-Inf	57.76	3	Horizontal	31	2.92	-	27.45	4.69	-
PK	2.4902G	55.96	74.00	-18.04	23.68	3	Horizontal	31	2.92	-	27.50	4.78	-
AV	2.4914G	45.17	54.00	-8.83	12.89	3	Horizontal	31	2.92	-	27.49	4.79	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

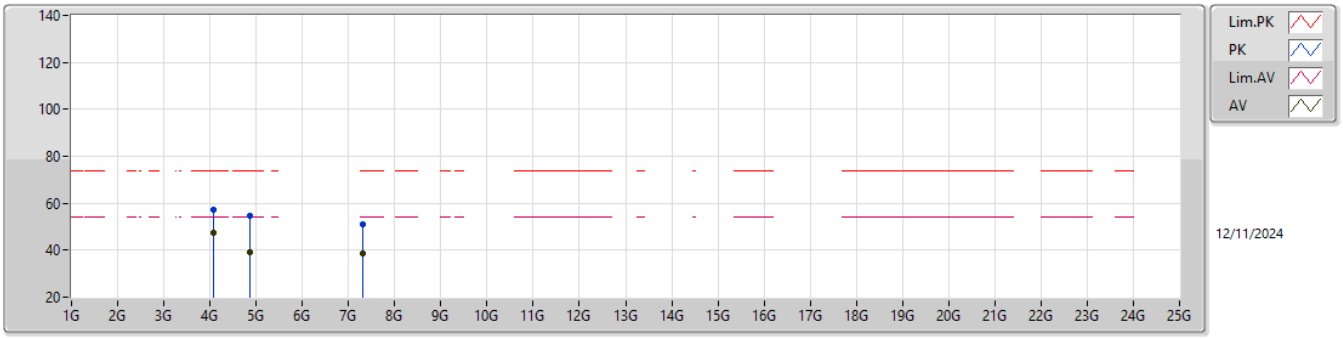


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.06032G	59.28	74.00	-14.72	57.25	3	Vertical	168	1.77	-	29.72	6.00	33.69
AV	4.0592G	49.10	54.00	-4.90	47.07	3	Vertical	168	1.77	-	29.72	6.00	33.69
PK	4.87324G	51.39	74.00	-22.61	47.51	3	Vertical	284	1.79	-	31.30	6.55	33.97
AV	4.87364G	36.86	54.00	-17.14	32.98	3	Vertical	284	1.79	-	31.30	6.55	33.97
PK	7.31252G	51.07	74.00	-22.93	40.08	3	Vertical	18	1.20	-	36.60	8.58	34.19
AV	7.30108G	38.13	54.00	-15.87	27.15	3	Vertical	18	1.20	-	36.60	8.57	34.19

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

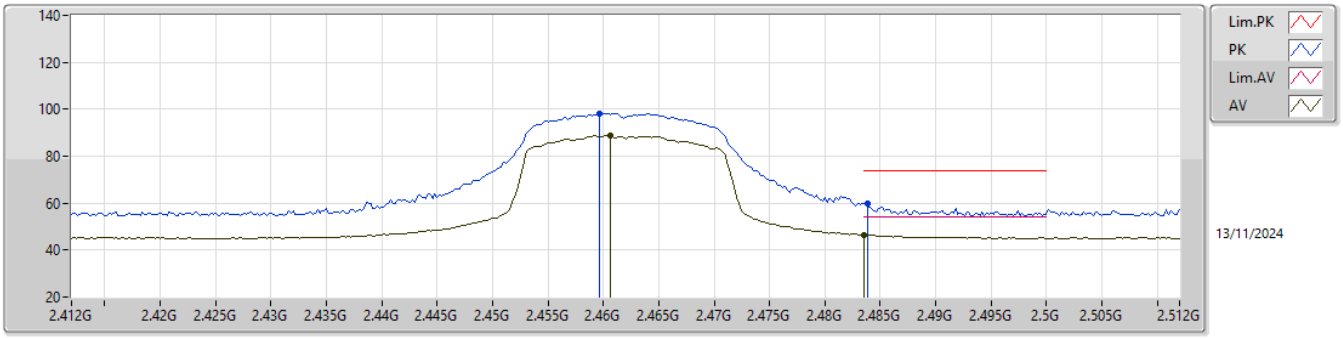


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.06284G	57.35	74.00	-16.65	55.31	3	Horizontal	276	1.80	-	29.73	6.00	33.69
AV	4.06316G	47.35	54.00	-6.65	45.30	3	Horizontal	276	1.80	-	29.73	6.01	33.69
PK	4.87324G	54.48	74.00	-19.52	50.60	3	Horizontal	231	2.12	-	31.30	6.55	33.97
AV	4.87372G	39.33	54.00	-14.67	35.45	3	Horizontal	231	2.12	-	31.30	6.55	33.97
PK	7.3152G	51.08	74.00	-22.92	40.09	3	Horizontal	16	2.72	-	36.60	8.58	34.19
AV	7.30428G	38.40	54.00	-15.60	27.42	3	Horizontal	16	2.72	-	36.60	8.57	34.19

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

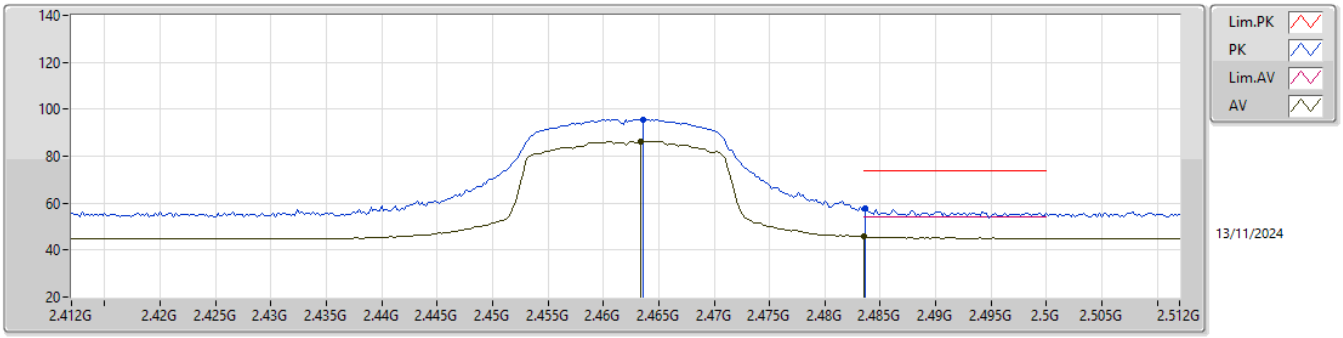


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4596G	98.12	Inf	-Inf	65.99	3	Vertical	189	1.87	-	27.40	4.73	-
AV	2.4606G	88.79	Inf	-Inf	56.67	3	Vertical	189	1.87	-	27.39	4.73	-
PK	2.4838G	59.95	74.00	-14.05	27.74	3	Vertical	189	1.87	-	27.44	4.77	-
AV	2.4835G	46.34	54.00	-7.66	14.14	3	Vertical	189	1.87	-	27.43	4.77	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

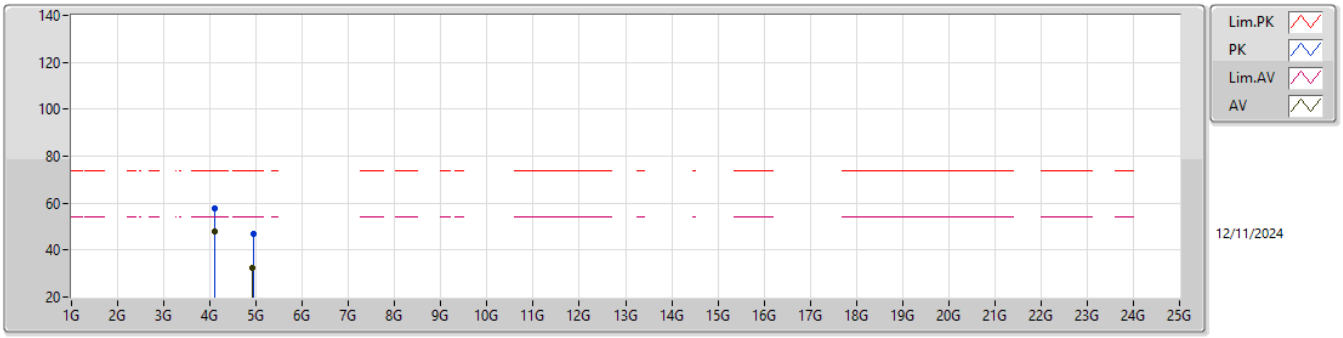


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4636G	95.66	Inf	-Inf	63.56	3	Horizontal	36	2.83	-	27.36	4.74	-
AV	2.4634G	86.35	Inf	-Inf	54.24	3	Horizontal	36	2.83	-	27.37	4.74	-
PK	2.4836G	57.74	74.00	-16.26	25.53	3	Horizontal	36	2.83	-	27.44	4.77	-
AV	2.4835G	45.78	54.00	-8.22	13.58	3	Horizontal	36	2.83	-	27.43	4.77	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

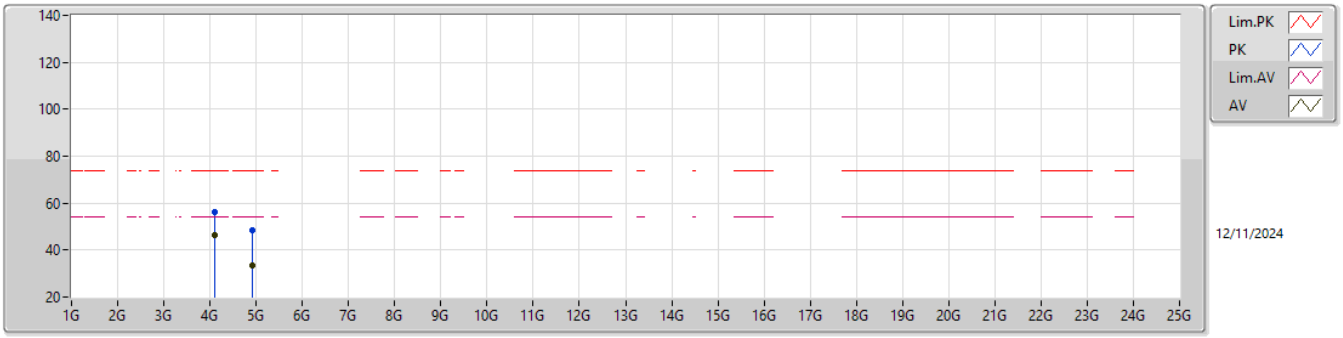


EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.10416G	57.95	74.00	-16.05	55.79	3	Vertical	170	2.13	-	29.81	6.06	33.71
AV	4.10064G	47.77	54.00	-6.23	45.62	3	Vertical	170	2.13	-	29.80	6.06	33.71
PK	4.9302G	47.12	74.00	-26.88	43.12	3	Vertical	275	1.32	-	31.42	6.56	33.98
AV	4.9238G	32.31	54.00	-21.69	28.33	3	Vertical	275	1.32	-	31.40	6.56	33.98

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX



EUT Y_1TX
Setting 0
06-D-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.10096G	56.39	74.00	-17.61	54.24	3	Horizontal	276	1.80	-	29.80	6.06	33.71
AV	4.10588G	46.41	54.00	-7.59	44.25	3	Horizontal	276	1.80	-	29.81	6.06	33.71
PK	4.92216G	48.33	74.00	-25.67	44.36	3	Horizontal	166	1.80	-	31.39	6.56	33.98
AV	4.92412G	33.51	54.00	-20.49	29.53	3	Horizontal	166	1.80	-	31.40	6.56	33.98