Testing Laboratory
3787

RADIO TEST REPORT

FCC ID	:	TLZ-XM666
Equipment	:	IEEE 802.11 a/b/g/n/ac/ax Wireless LAN 1T1R and BLE/802.15.4 Solution Family 12 x 12 LGA Module
Brand Name	:	AzureWave
Model Name	:	AW-XM646G-SUR, AW-XM646G-USB, AW-XM646F-SUR, AW-XM646F-USB, AW-XM646C-SUR, AW-XM646C-USB, AW-XM646B-SUR, AW-XM646B-USB
Applicant	:	AzureWave Technologies, Inc. 8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231
Manufacturer	:	AzureWave Technologies, Inc. 8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231
Standard	:	47 CFR FCC Part 15.247

The product was received on Aug. 01, 2025, and testing was started from Sep. 04, 2025 and completed on Oct. 29, 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 C63.10-2020 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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History of this test report

Report No.	Version	Description	Issued Date
FR521124-02AB	01	Initial issue of report	Nov. 18, 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(b)	Maximum Conducted Output Power	PASS	-
3.3	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/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:

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

Reviewed by: Sam Chen
Report Producer: Muse Chan

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std.	Ch. Frequency (MHz)	Channel Number
2400-2483.5	802.15.4	2405-2480	11-26 [16]

Band	Mode	BWch (MHz)	Nant
2.4G	Thread	3	1

Note:
- Thread uses a O-QPSK (250kbps) modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector
1	1	ARISTOTLE	RFA-27-JP326MHF4C198	PIFA Antenna	I-PEX
2	1	CEL	Dual-band Planar Antenna 0038	Split Ring	N/A

Note 1:

Ant.	Antenna Gain (dBi)	
	WLAN 2.4GHz, Bluetooth and Thread	WLAN 5GHz
1	3.5	5

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz, Bluetooth and Thread	WLAN 5GHz			
		5150-5350GHz	5470-5725GHz	5725-5850GHz	5850-5895GHz
2	1.8	3.8	2.5	2.5	3.4

Note 2: The above information was declared by manufacturer.

Note 3: **For 2.4GHz function:**

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

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

For 5GHz function:

For IEEE 802.11a/n/ac/ax (1TX/1RX):

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

For Bluetooth/Thread function (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
Thread_Nss 1	1	0	40.005m	10Hz (DC>=0.98)

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

1.1.4 EUT Operational Condition

EUT Power Type	From host system			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	DutApiMimoApApp_LABTOOL_UNIFIED.exe v2.0.0.22			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The difference for each model is shown as below:

EUT	Model Name	WLAN 2.4G	WLAN 5G	Bluetooth	802.15.4	Interface	PIFA Ant. (Note 1)	Split Ring Ant. (Note 2)
1	AW-XM646G-SUR	V	V	V	V	SUR	V	X
2	AW-XM646G-USB	V	V	V	V	USB	V	V
-	AW-XM646F-SUR	V	V	V	X	SUR	V	X
-	AW-XM646F-USB	V	V	V	X	USB	V	V
-	AW-XM646C-SUR	V	X	V	V	SUR	V	X
-	AW-XM646C-USB	V	X	V	V	USB	V	V
-	AW-XM646B-SUR	V	X	V	X	SUR	V	X
-	AW-XM646B-USB	V	X	V	X	USB	V	V
Description								
In addition to the differences mentioned above, there are differences in marketing strategy.								

Note 1: With type 1 antenna trace.
Note 2: With type 2 antenna trace.
Note 3: The above information was declared by manufacturer.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR521124-01AB

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Add a new Split Ring Antenna with a new antenna trace design and lower gain for interface USB. (Please refer to section 1.1.2 and 1.1.5 for detail information).	1. AC Power-line Conducted Emissions 2. Maximum Conducted Output Power 3. Emissions in Restricted Frequency Bands
2. Update the reference standard to "ANSI C63.10-2020" from "ANSI C63.10-2013".	It does not affect the test

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 C63.10-2020

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	Serway Lee	24~25.8 / 59~62	Oct. 18, 2025~ Oct. 21, 2025
Radiated below 1GHz	03CH03-CB	Ederson Huang	21.6~23.1 / 58~62	Oct. 22, 2025
Radiated above 1GHz	03CH05-CB	Ederson Huang	21.5~22.9 / 57~60	Sep. 04, 2025
AC Conduction	CO01-CB	Joe Chu	23~24 / 61~62	Oct. 29, 2025

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
Thread_3MHz_Nss1_1TX
2405MHz
2440MHz
2475MHz
2480MHz

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	CTX
1	EUT 2 + Thread + Antenna 2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Conducted Output Power
Test Condition	Conducted measurement at transmit chains
1	EUT 2 + Antenna 2

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
	The EUT was performed at X axis, Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found as Z axis. Thus, the measurement will follow this same test configuration.
1	EUT 2 in Z axis + Thread + Antenna 2
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position the worst case was found as below. Thus, the measurement will follow this same test configuration.
1	EUT 2 in Z axis + Antenna 2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Bluetooth + WLAN 2.4GHz + Antenna 1
2	Bluetooth + WLAN 5GHz + Antenna 1
3	Bluetooth + WLAN 2.4GHz + Antenna 2
4	Bluetooth + WLAN 5GHz + Antenna 2
Refer to Sporton Test Report No.: FA521124-02 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	EUT Fixture	CEL	CMP9610	N/A
B	Thread Fixture	Azurewave	2646-i4	N/A
C	NB1	DELL	1320	N/A
D	Earphone	e-Power	GT02	N/A
E	Mouse	acer	MOBVUO	N/A
F	USB HUB	INTOPIC	HB-16	N/A
G	NB2	DELL	E6430	N/A

For Radiated:

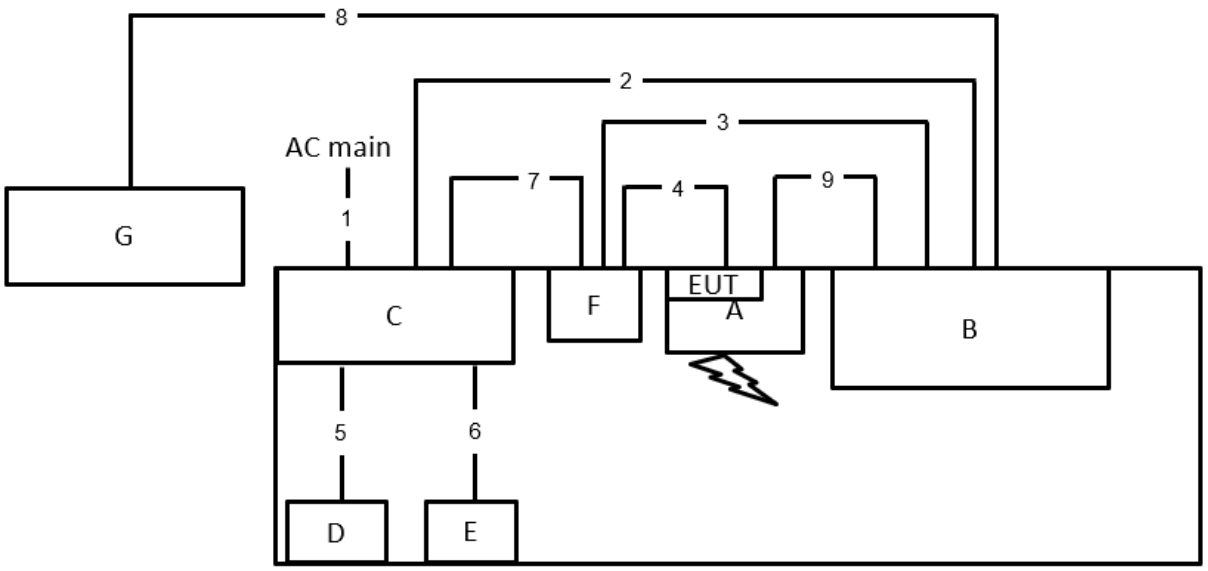
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	Thread Fixture	Azurewave	2646-i4	N/A
C	EUT Fixture	CEL	CMP9610	N/A
D	NB	DELL	E4300	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	Thread Fixture	AzureWave	2646-i4	N/A
C	EUT Fixture	CEL	CMP9610	N/A

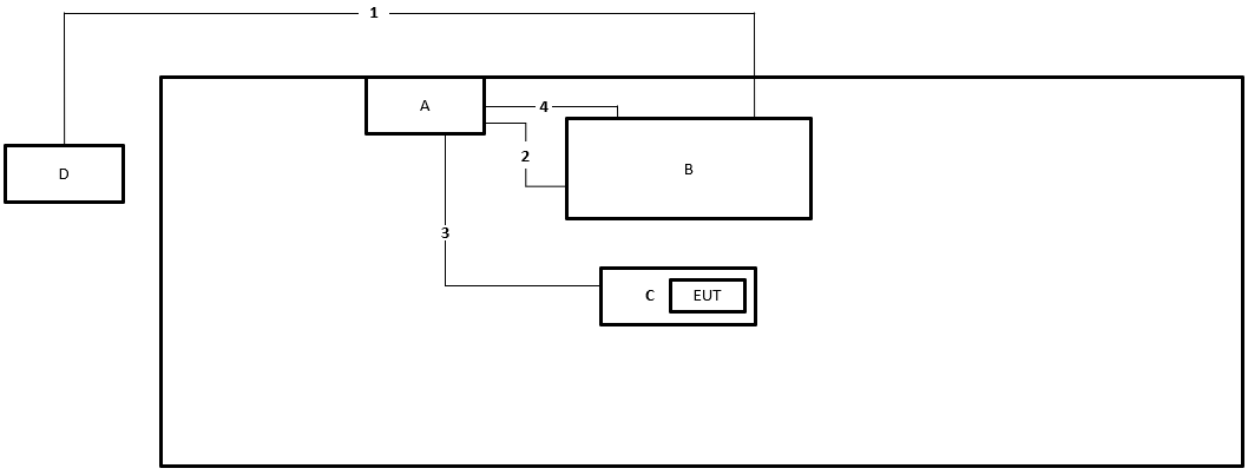
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	2.3m
2	Type C USB cable*2	Yes	1m
3	MICRO USB cable	Yes	1.5m
4	Type C USB cable	Yes	1m
5	Audio cable	No	1.2m
6	USB cable	Yes	1.2m
7	USB cable	Yes	0.1m
8	RJ-45 cable	No	10m
9	Dupont cable*6	Yes	0.1m

Test Setup Diagram - Radiated



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	USB to Micro cable	Yes	2m
3	USB to Type C cable	Yes	1m
4	USB to Type C cable	Yes	1m
5	USB to Type C 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

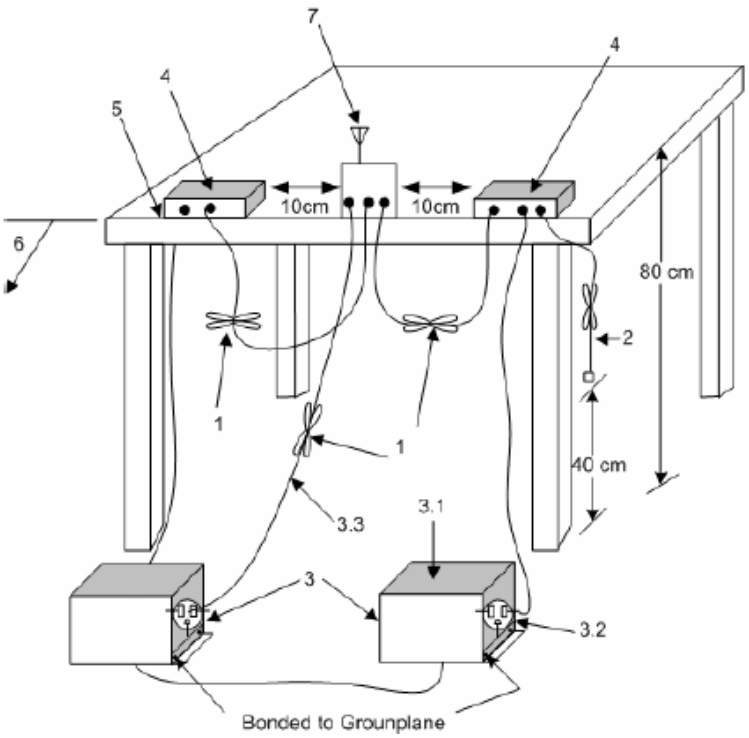
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2020, 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 Maximum Conducted Output Power

3.2.1 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.		

3.2.2 Measuring Instruments

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

3.2.3 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]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Emissions in Restricted Frequency Bands

3.3.1 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.

3.3.2 Measuring Instruments

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

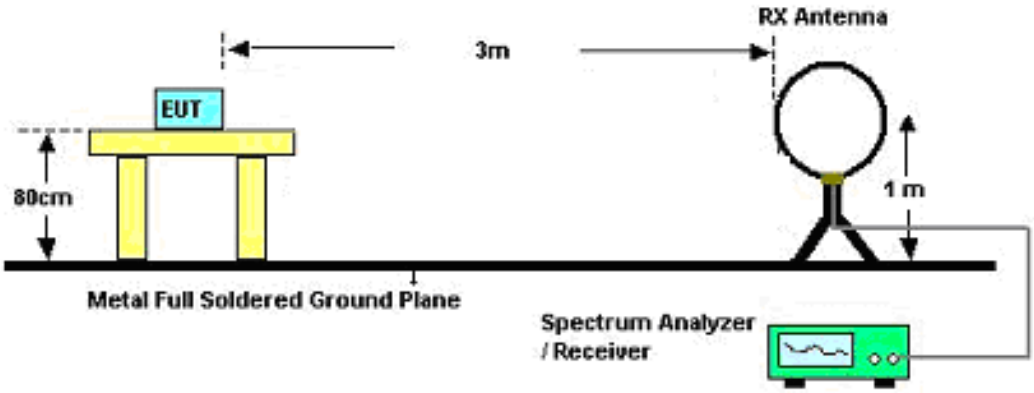
3.3.3 Test Procedures

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.		

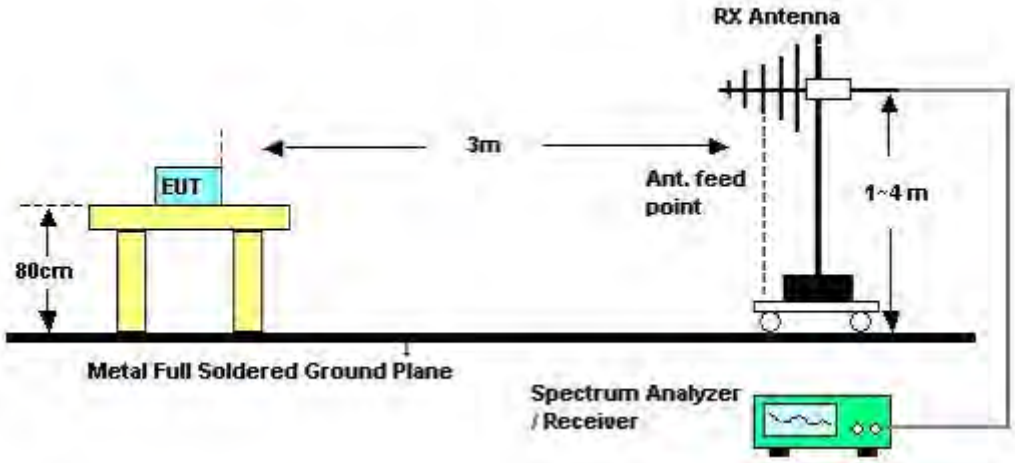
3.3.4 Test Setup

Emissions in Restricted Frequency Bands

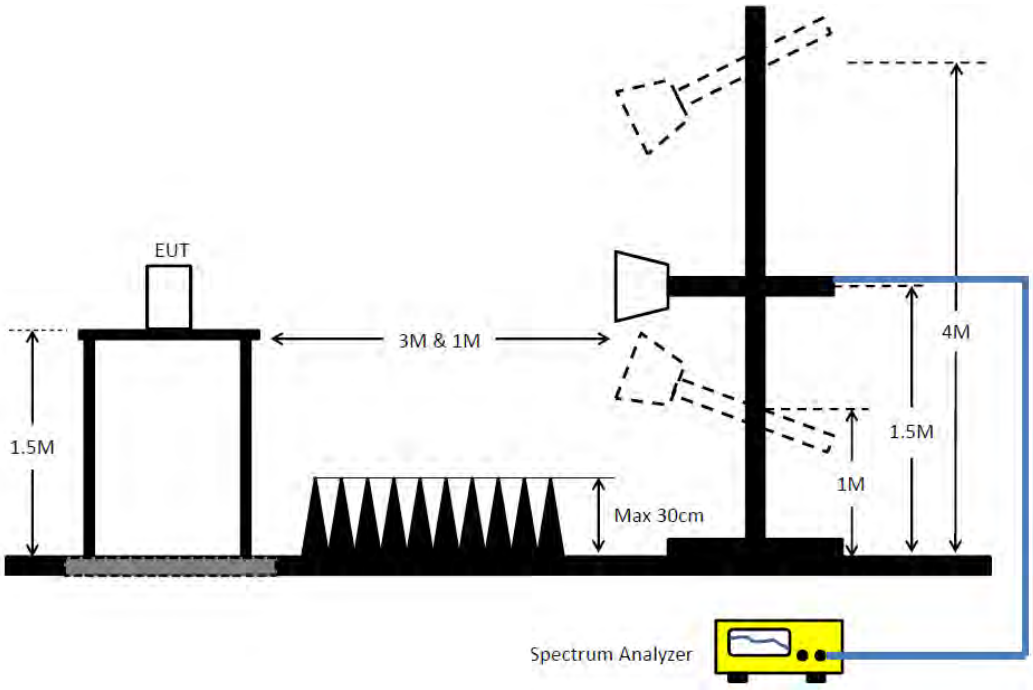
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.3.5 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.

3.3.6 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.

3.3.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix C

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 06, 2025	Mar. 05, 2026	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50 -16-2	04083	150kHz ~ 100MHz	Feb. 18, 2025	Feb. 17, 2026	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	May 10, 2025	May 09, 2026	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
COND Cable	Woken	Cable	CO01	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	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. 20, 2025	Oct. 19, 2026	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 17, 2025	Jan. 16, 2026	Radiation (03CH03-CB)
Bilog Antenna with 6dB Attenuator	Schwarzbeck & EMC	VULB9168 & EMCI-N-6-06	1808 & AT-06039	25MHz ~ 1GHz	May 23, 2025	May 22, 2026	Radiation (03CH03-CB)
Amplifier	SGH	SGH301	20240606-1	30MHz ~ 1GHz	Jun. 03, 2025	Jun. 02, 2026	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jul. 17, 2025	Jul. 16, 2026	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESR7	102171	9kHz ~ 7GHz	Aug. 04, 2025	Aug. 03, 2026	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Jul. 15, 2025	Jul. 14, 2026	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 28, 2024	Sep. 27, 2025	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 06, 2025	Jun. 05, 2026	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Aug. 22, 2025	Aug. 21, 2026	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jun. 28, 2025	Jun. 27, 2026	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH05-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 21, 2025	Apr. 20, 2026	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Apr. 30, 2025	Apr. 29, 2026	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-1524 7_DTS	V5.11.27	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2025	May 26, 2026	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~18 GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Jul. 04, 2025	Jul. 04, 2026	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	MY45100745	50MHz~18GHz	Jul. 04, 2025	Jul. 04, 2026	Conducted (TH01-CB)
Test Software	SPORTON	SENSE-1524 7_DTS	V5.11.27	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Conducted (TH01-CB)

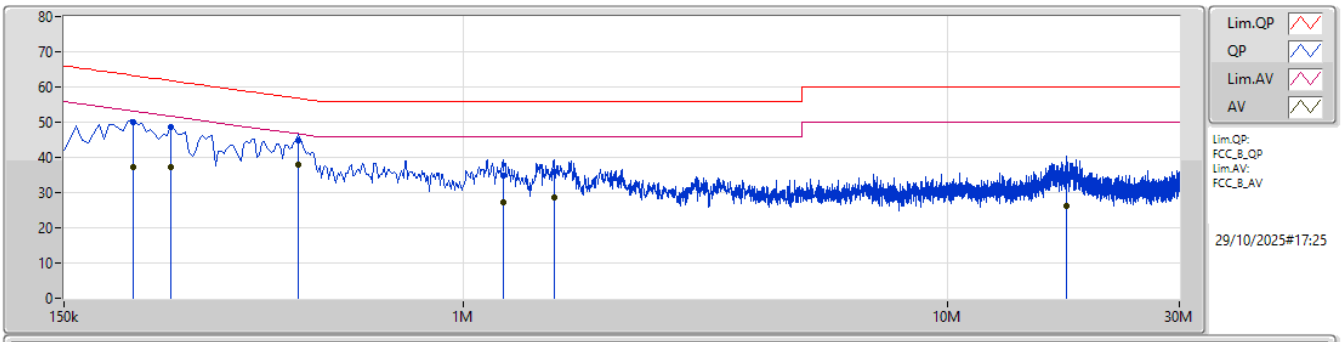
Note: Calibration Interval of instruments listed above is one year.

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

Summary

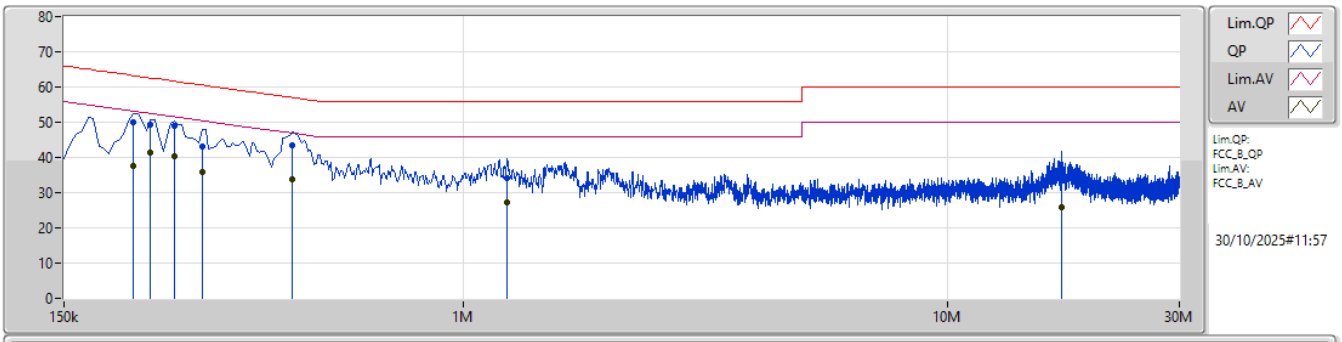
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	456k	37.93	46.76	-8.83	Line

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	208.5k	49.99	63.27	-13.28	9.89	Line	-	40.10	0.06	0.06	9.77
AV	208.5k	37.26	53.27	-16.01	9.89	Line	-	27.37	0.06	0.06	9.77
QP	249k	48.74	61.79	-13.05	9.94	Line	-	38.80	0.06	0.08	9.80
AV	249k	37.19	51.79	-14.60	9.94	Line	-	27.25	0.06	0.08	9.80
QP	456k	44.88	56.76	-11.88	10.07	Line	-	34.81	0.05	0.12	9.90
AV	456k	37.93	46.76	-8.83	10.07	Line	"Worst"	27.86	0.05	0.12	9.90
QP	1.208M	34.73	56.00	-21.27	10.08	Line	-	24.65	0.08	0.15	9.85
AV	1.208M	27.27	46.00	-18.73	10.08	Line	-	17.19	0.08	0.15	9.85
QP	1.536M	35.86	56.00	-20.14	10.03	Line	-	25.83	0.09	0.14	9.80
AV	1.536M	28.45	46.00	-17.55	10.03	Line	-	18.42	0.09	0.14	9.80
QP	17.547M	34.22	60.00	-25.78	11.01	Line	-	23.21	0.30	0.35	10.36
AV	17.547M	26.33	50.00	-23.67	11.01	Line	-	15.32	0.30	0.35	10.36

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	208.5k	49.84	63.27	-13.43	9.91	Neutral	-	39.93	0.08	0.06	9.77
AV	208.5k	37.70	53.27	-15.57	9.91	Neutral	-	27.79	0.08	0.06	9.77
QP	226.5k	49.31	62.58	-13.27	9.94	Neutral	-	39.37	0.08	0.07	9.79
AV	226.5k	41.39	52.58	-11.19	9.94	Neutral	-	31.45	0.08	0.07	9.79
QP	253.5k	48.83	61.64	-12.81	9.97	Neutral	-	38.86	0.08	0.08	9.81
AV	253.5k	40.47	51.64	-11.17	9.97	Neutral	"Worst"	30.50	0.08	0.08	9.81
QP	289.5k	43.10	60.53	-17.43	10.00	Neutral	-	33.10	0.08	0.09	9.83
AV	289.5k	36.00	50.53	-14.53	10.00	Neutral	-	26.00	0.08	0.09	9.83
QP	442.5k	43.48	57.01	-13.53	10.10	Neutral	-	33.38	0.08	0.12	9.90
AV	442.5k	33.65	47.01	-13.36	10.10	Neutral	-	23.55	0.08	0.12	9.90
QP	1.23M	34.22	56.00	-21.78	10.10	Neutral	-	24.12	0.10	0.15	9.85
AV	1.23M	27.19	46.00	-18.81	10.10	Neutral	-	17.09	0.10	0.15	9.85
QP	17.111M	34.31	60.00	-25.69	11.01	Neutral	-	23.30	0.30	0.35	10.36
AV	17.111M	25.93	50.00	-24.07	11.01	Neutral	-	14.92	0.30	0.35	10.36

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
Thread_3MHz_Nss1_1TX	10.93	0.01239

Result

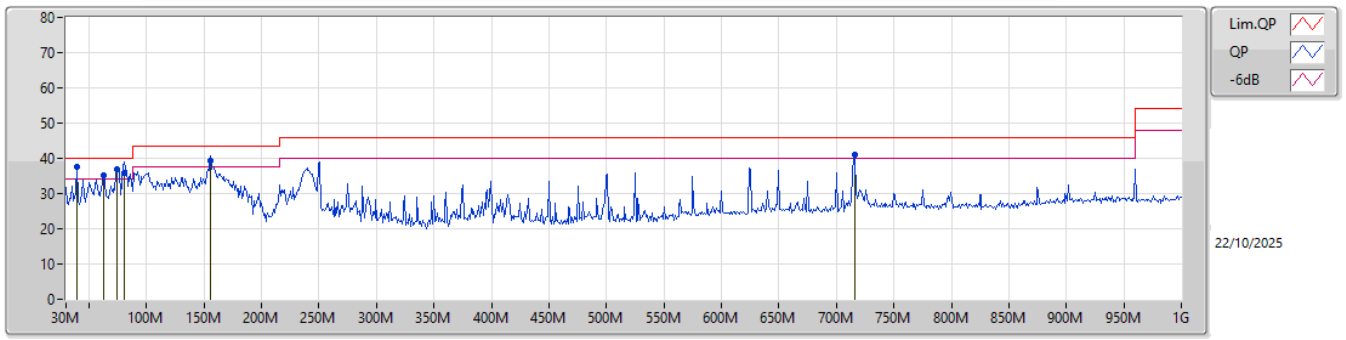
Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
Thread_3MHz_Nss1_1TX	-	-	-	-	-
2405MHz	Pass	1.80	10.85	10.85	30.00
2440MHz	Pass	1.80	10.89	10.89	30.00
2475MHz	Pass	1.80	10.93	10.93	30.00
2480MHz	Pass	1.80	-4.18	-4.18	30.00

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

Summary

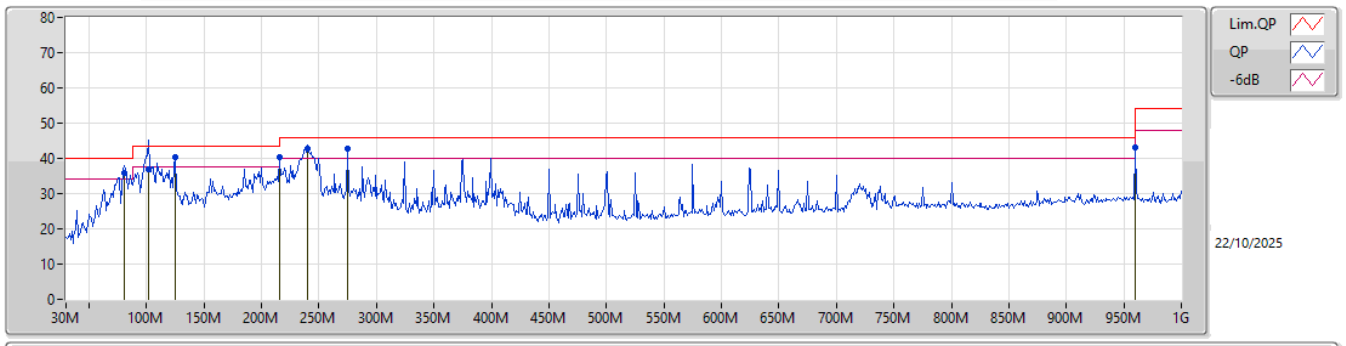
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	39.7M	37.55	40.00	-2.45	Vertical

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	39.7M	37.55	40.00	-2.45	-24.67	3	Vertical	111	1.00	"Worst"	62.22	18.80	0.98	44.45
PK	62.98M	35.03	40.00	-4.97	-25.17	3	Vertical	4	1.00	-	60.20	18.30	1.12	44.59
PK	74.62M	36.83	40.00	-3.17	-27.62	3	Vertical	234	3.00	-	64.45	15.84	1.10	44.56
QP	80.44M	35.91	40.00	-4.09	-29.20	3	Vertical	228	1.50	-	65.11	14.22	1.10	44.52
QP	155.13M	39.16	43.50	-4.34	-23.72	3	Vertical	325	1.00	-	62.88	19.19	1.52	44.43
PK	715.79M	41.06	46.00	-4.94	-13.49	3	Vertical	266	1.00	-	54.55	26.92	3.06	43.47

Mode 1



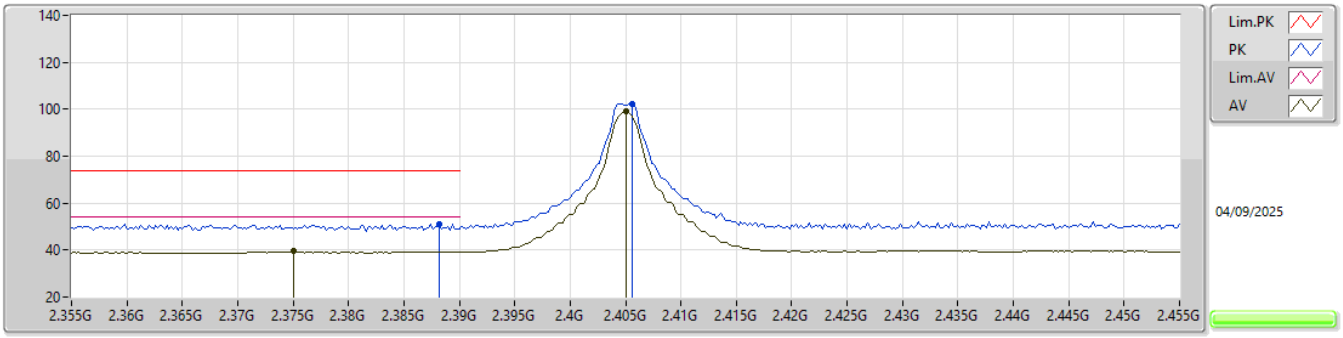
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV)	(dB/m)	(dB)	(dB)
QP	80.44M	35.78	40.00	-4.22	-29.20	3	Horizontal	309	2.00	-	64.98	14.22	1.10	44.52
QP	101.78M	36.98	43.50	-6.52	-28.59	3	Horizontal	325	3.00	-	65.57	14.70	1.26	44.55
PK	125.06M	40.31	43.50	-3.19	-26.22	3	Horizontal	325	3.00	-	66.53	16.91	1.39	44.52
PK	215.27M	40.18	43.50	-3.32	-27.06	3	Horizontal	196	1.25	-	67.24	15.59	1.71	44.36
QP	240M	42.70	46.00	-3.30	-25.29	3	Horizontal	205	1.25	-	67.99	17.30	1.69	44.28
PK	274.44M	42.63	46.00	-3.37	-24.02	3	Horizontal	196	1.25	-	66.65	18.47	1.76	44.25
PK	959.99M	42.96	46.00	-3.04	-10.07	3	Horizontal	332	1.00	"Worst"	53.03	29.80	3.54	43.41

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	-	-	-	-	-	-	-	-	-	-	-
Thread_3MHz_Nss1_1TX	Pass	AV	2.4835G	47.30	54.00	-6.70	3	Horizontal	118	1.17	-

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2405MHz_TX

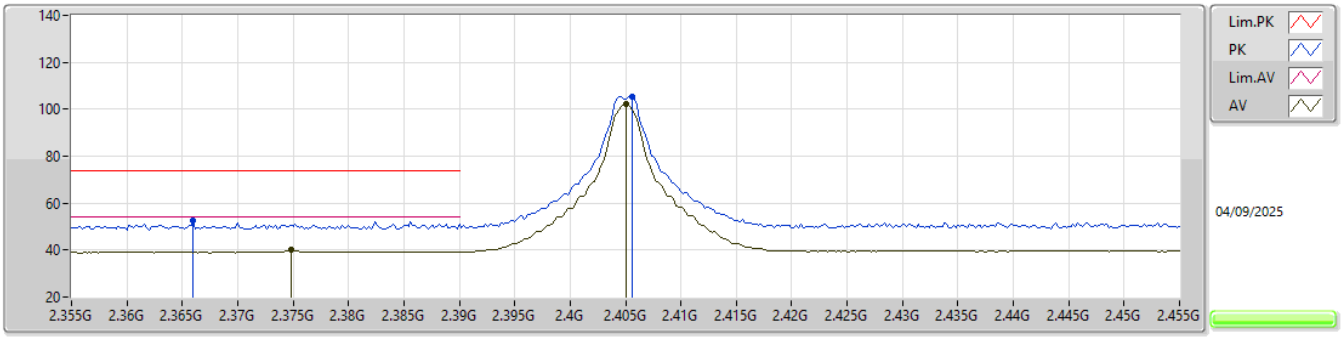


EUT Z_1TX
Setting 13
05-R-G-4-10

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	2.3882G	51.14	74.00	-22.86	53.99	3	Vertical	116	3.00	-	27.28	5.78	35.91
AV	2.375G	39.40	54.00	-14.60	42.36	3	Vertical	116	3.00	-	27.20	5.76	35.92
PK	2.4056G	102.48	Inf	-Inf	105.10	3	Vertical	116	3.00	-	27.46	5.81	35.89
AV	2.405G	99.15	Inf	-Inf	101.79	3	Vertical	116	3.00	-	27.45	5.81	35.90

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2405MHz_TX

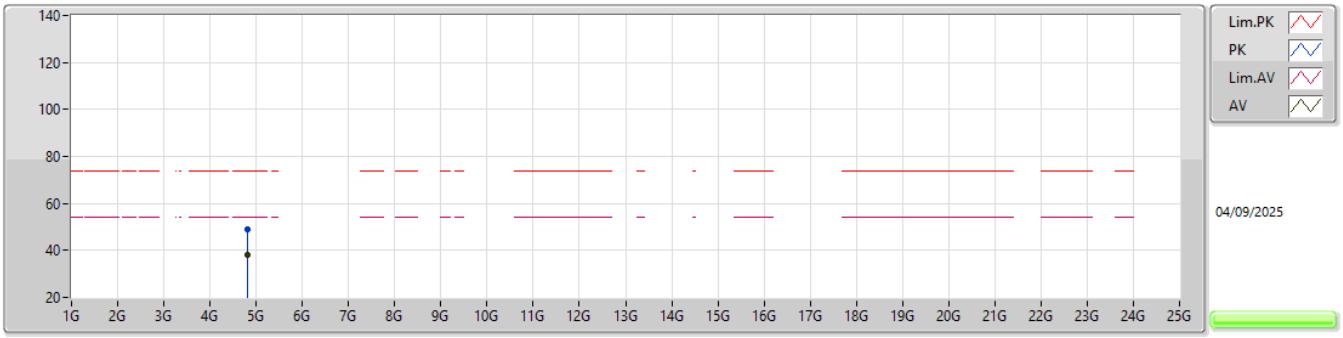


EUT Z_1TX
Setting 13
05-R-G-4-10

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	2.366G	52.70	74.00	-21.30	55.68	3	Horizontal	124	1.02	-	27.20	5.75	35.93
AV	2.3748G	40.02	54.00	-13.98	42.98	3	Horizontal	124	1.02	-	27.20	5.76	35.92
PK	2.4056G	105.37	Inf	-Inf	107.99	3	Horizontal	124	1.02	-	27.46	5.81	35.89
AV	2.405G	102.07	Inf	-Inf	104.71	3	Horizontal	124	1.02	-	27.45	5.81	35.90

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2405MHz_TX

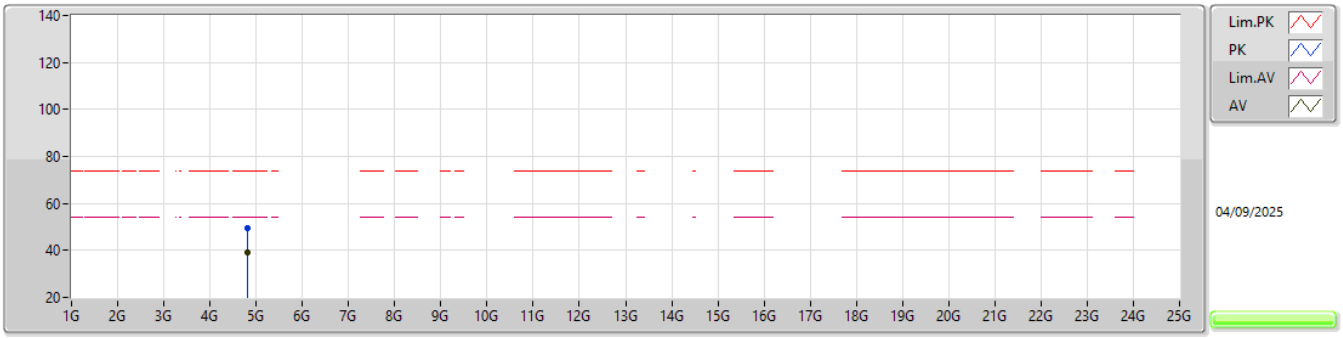


EUT Z_1TX
Setting 13
05-R-G-4

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	4.80904G	48.74	74.00	-25.26	43.67	3	Vertical	49	3.00	-	32.37	7.88	35.18
AV	4.80898G	38.03	54.00	-15.97	32.96	3	Vertical	49	3.00	-	32.37	7.88	35.18

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2405MHz_TX

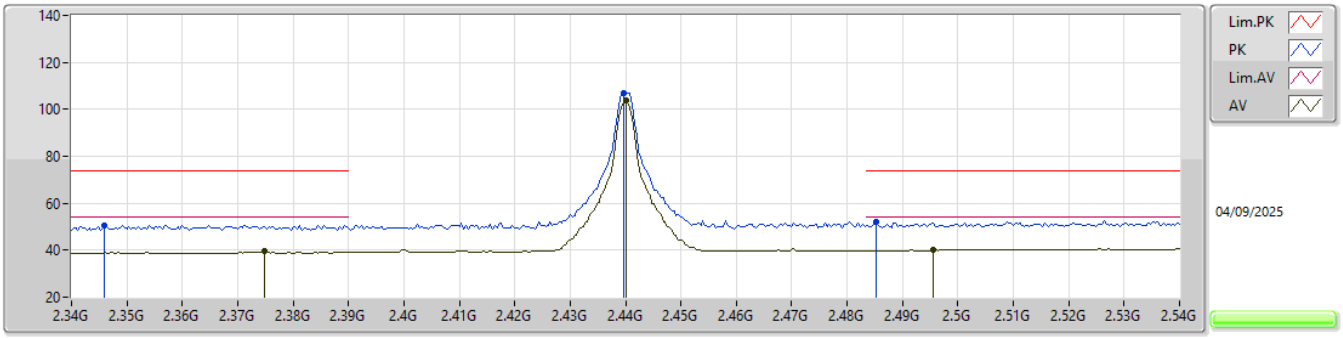


EUT Z_1TX
Setting 13
05-R-G-4

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	4.8091G	49.62	74.00	-24.38	44.55	3	Horizontal	32	1.00	-	32.37	7.88	35.18
AV	4.80898G	39.03	54.00	-14.97	33.96	3	Horizontal	32	1.00	-	32.37	7.88	35.18

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2440MHz_TX

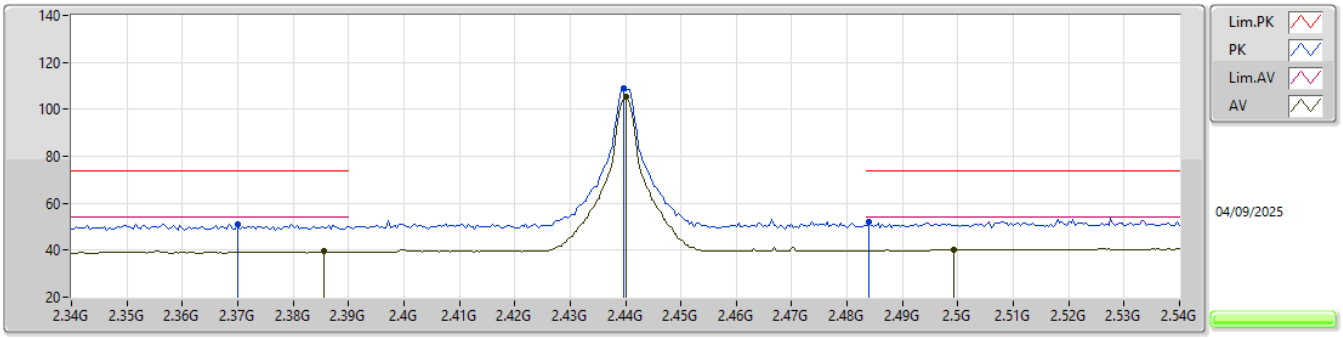


EUT Z_1TX
Setting 13
05-R-G-4-10

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	2.346G	50.77	74.00	-23.23	53.83	3	Vertical	106	3.00	-	27.16	5.73	35.95
AV	2.3748G	39.40	54.00	-14.60	42.36	3	Vertical	106	3.00	-	27.20	5.76	35.92
PK	2.4396G	107.14	Inf	-Inf	109.59	3	Vertical	106	3.00	-	27.50	5.91	35.86
AV	2.44G	103.83	Inf	-Inf	106.28	3	Vertical	106	3.00	-	27.50	5.91	35.86
PK	2.4852G	51.94	74.00	-22.06	53.86	3	Vertical	106	3.00	-	27.85	6.05	35.82
AV	2.4956G	40.26	54.00	-13.74	42.03	3	Vertical	106	3.00	-	27.96	6.08	35.81

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2440MHz_TX

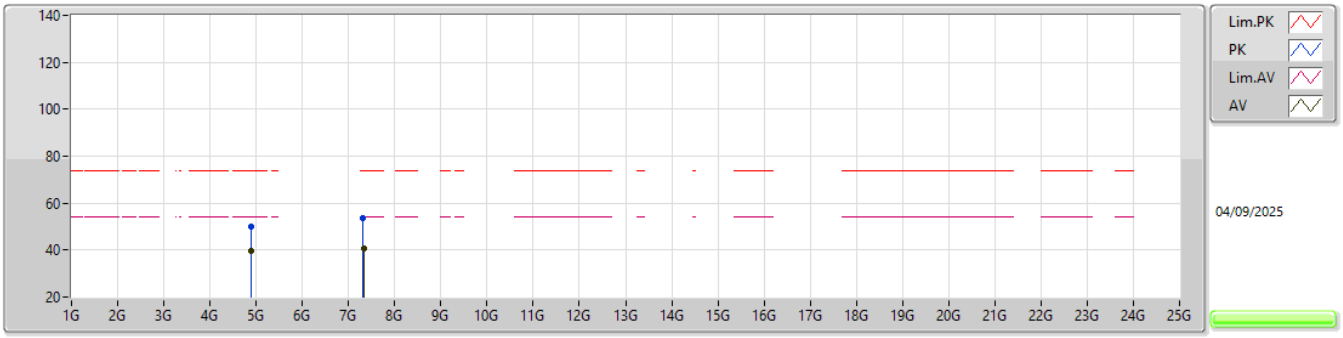


EUT Z_1TX
Setting 13
05-R-G-4-10

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	2.37G	51.21	74.00	-22.79	54.19	3	Horizontal	305	1.16	-	27.20	5.75	35.93
AV	2.3856G	39.51	54.00	-14.49	42.39	3	Horizontal	305	1.16	-	27.26	5.77	35.91
PK	2.4396G	108.77	Inf	-Inf	111.22	3	Horizontal	305	1.16	-	27.50	5.91	35.86
AV	2.44G	105.44	Inf	-Inf	107.89	3	Horizontal	305	1.16	-	27.50	5.91	35.86
PK	2.484G	52.06	74.00	-21.94	53.99	3	Horizontal	305	1.16	-	27.84	6.05	35.82
AV	2.4992G	40.30	54.00	-13.70	42.03	3	Horizontal	305	1.16	-	27.99	6.09	35.81

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2440MHz_TX

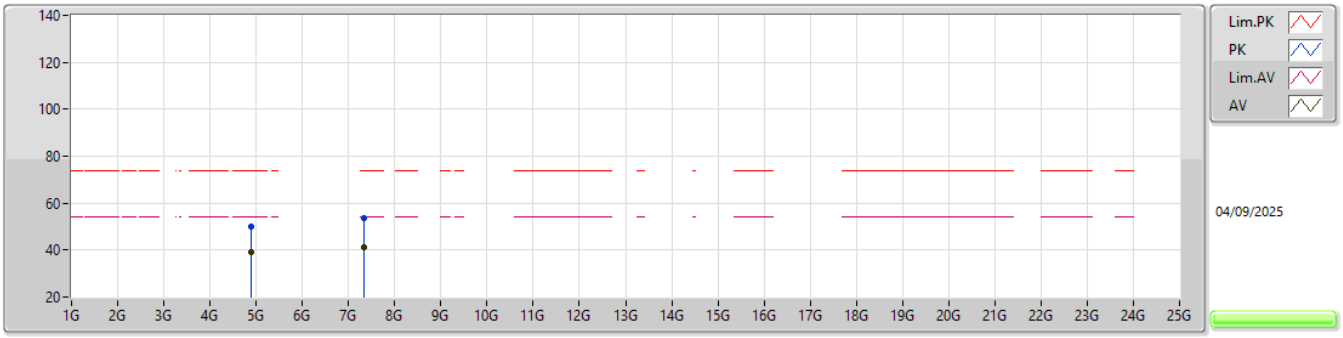


EUT Z_1TX
Setting 13
05-R-G-4

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	4.87892G	49.80	74.00	-24.20	44.23	3	Vertical	76	2.88	-	32.82	7.92	35.17
AV	4.88096G	39.53	54.00	-14.47	33.96	3	Vertical	76	2.88	-	32.82	7.92	35.17
PK	7.31046G	53.43	74.00	-20.57	41.07	3	Vertical	228	1.80	-	37.08	9.37	34.09
AV	7.33446G	40.75	54.00	-13.25	28.39	3	Vertical	228	1.80	-	37.03	9.39	34.06

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2440MHz_TX

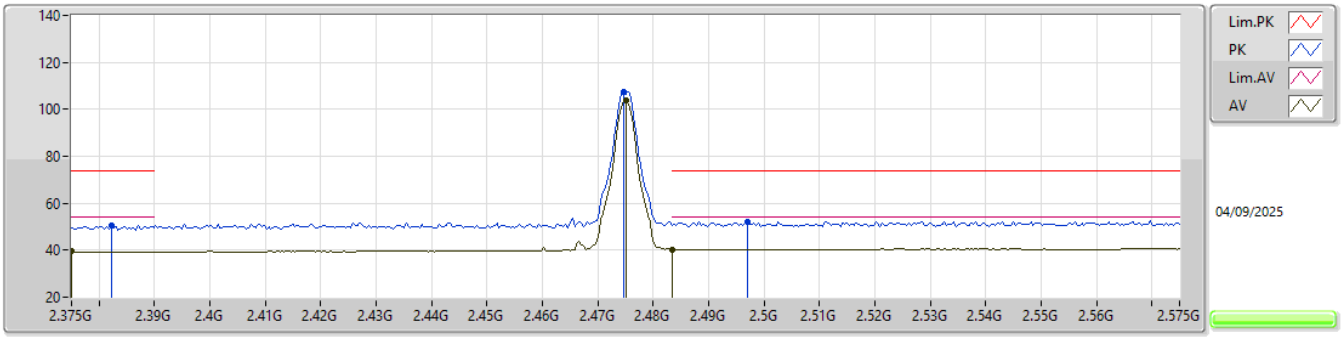


EUT Z_1TX
Setting 13
05-R-G-4

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	4.87886G	49.75	74.00	-24.25	44.18	3	Horizontal	33	1.02	-	32.82	7.92	35.17
AV	4.88096G	39.26	54.00	-14.74	33.69	3	Horizontal	33	1.02	-	32.82	7.92	35.17
PK	7.33272G	53.64	74.00	-20.36	41.28	3	Horizontal	157	1.80	-	37.03	9.39	34.06
AV	7.33482G	40.95	54.00	-13.05	28.59	3	Horizontal	157	1.80	-	37.03	9.39	34.06

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2475MHz_TX

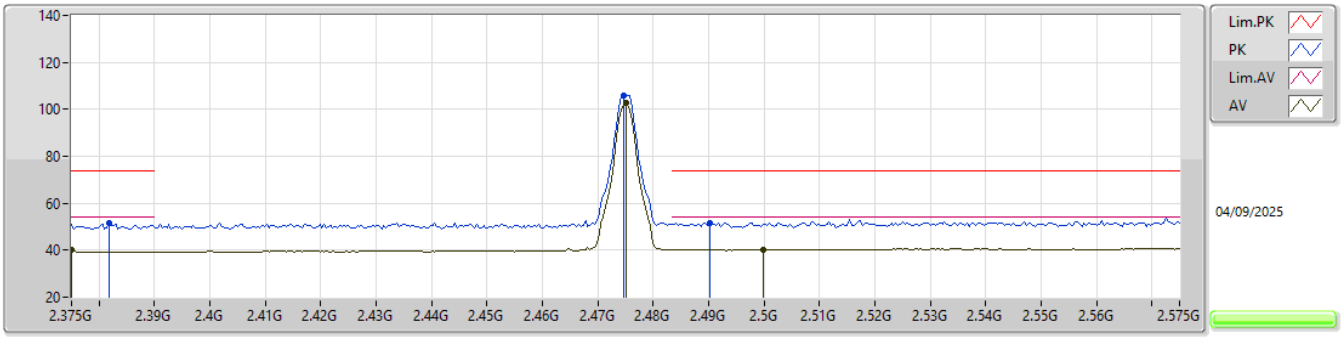


EUT Z_1TX
Setting 13
05-R-G-4-10

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	2.3822G	50.70	74.00	-23.30	53.63	3	Vertical	107	2.89	-	27.22	5.77	35.92
AV	2.375G	39.56	54.00	-14.44	42.52	3	Vertical	107	2.89	-	27.20	5.76	35.92
PK	2.4746G	107.28	Inf	-Inf	109.34	3	Vertical	107	2.89	-	27.75	6.02	35.83
AV	2.475G	104.03	Inf	-Inf	106.09	3	Vertical	107	2.89	-	27.75	6.02	35.83
PK	2.497G	51.98	74.00	-22.02	53.73	3	Vertical	107	2.89	-	27.97	6.09	35.81
AV	2.4835G	40.42	54.00	-13.58	42.36	3	Vertical	107	2.89	-	27.84	6.04	35.82

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2475MHz_TX

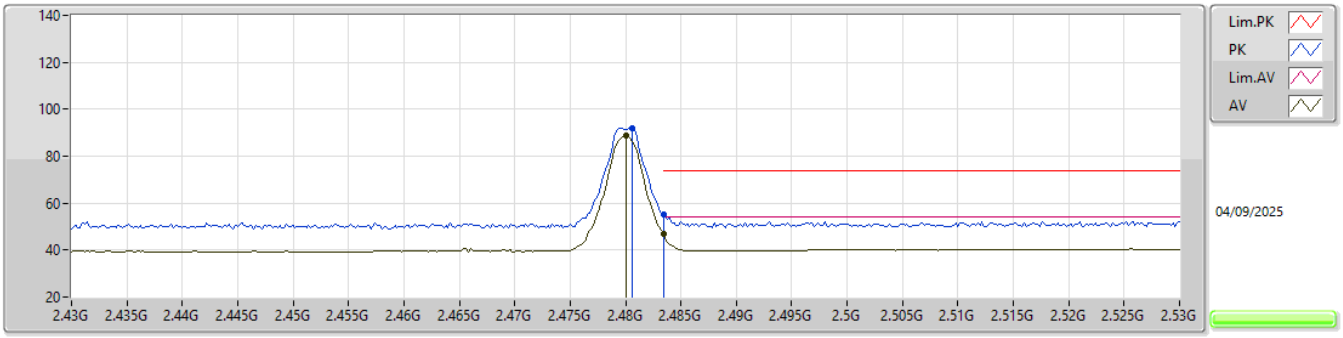


EUT Z_1TX
Setting 13
05-R-G-4-10

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	2.3818G	51.38	74.00	-22.62	54.31	3	Horizontal	124	1.80	-	27.22	5.77	35.92
AV	2.375G	40.32	54.00	-13.68	43.28	3	Horizontal	124	1.80	-	27.20	5.76	35.92
PK	2.4746G	106.12	Inf	-Inf	108.18	3	Horizontal	124	1.80	-	27.75	6.02	35.83
AV	2.475G	102.89	Inf	-Inf	104.95	3	Horizontal	124	1.80	-	27.75	6.02	35.83
PK	2.4902G	51.74	74.00	-22.26	53.59	3	Horizontal	124	1.80	-	27.90	6.07	35.82
AV	2.4998G	40.31	54.00	-13.69	42.03	3	Horizontal	124	1.80	-	28.00	6.09	35.81

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2480MHz_TX

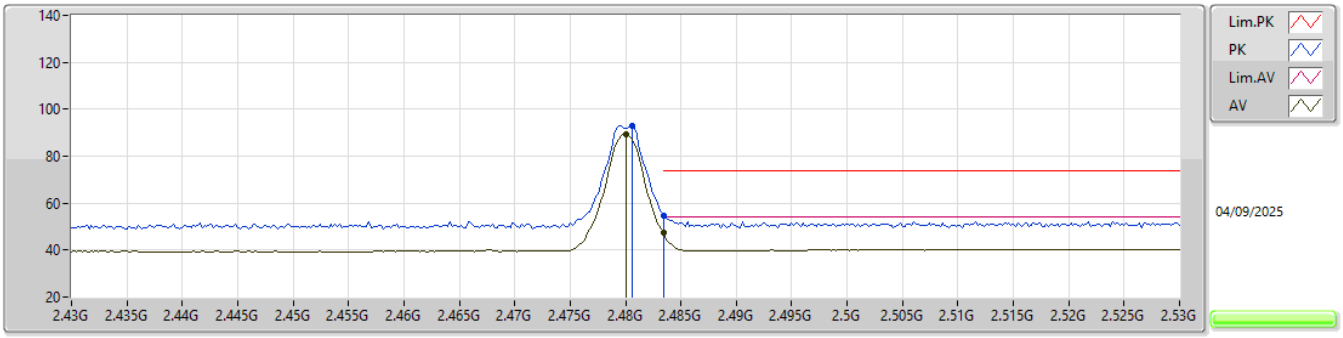


EUT Z_1TX
Setting 13
05-R-G-4-10

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	2.4806G	92.08	Inf	-Inf	94.06	3	Vertical	107	2.88	-	27.81	6.04	35.83
AV	2.48G	88.80	Inf	-Inf	90.80	3	Vertical	107	2.88	-	27.80	6.03	35.83
PK	2.4835G	55.30	74.00	-18.70	57.24	3	Vertical	107	2.88	-	27.84	6.04	35.82
AV	2.4835G	46.76	54.00	-7.24	48.70	3	Vertical	107	2.88	-	27.84	6.04	35.82

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2480MHz_TX

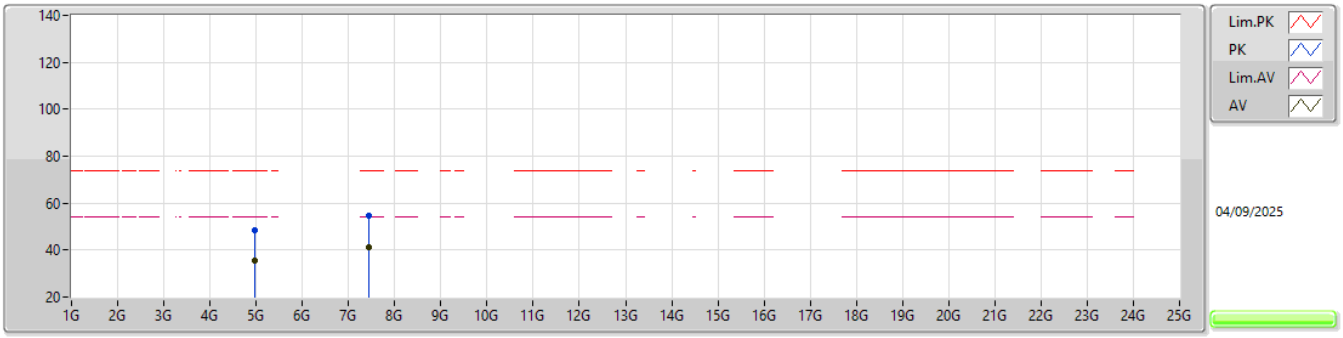


EUT Z_1TX
Setting 13
05-R-G-4-10

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	2.4806G	92.70	Inf	-Inf	94.68	3	Horizontal	118	1.17	-	27.81	6.04	35.83
AV	2.48G	89.49	Inf	-Inf	91.49	3	Horizontal	118	1.17	-	27.80	6.03	35.83
PK	2.4835G	54.69	74.00	-19.31	56.63	3	Horizontal	118	1.17	-	27.84	6.04	35.82
AV	2.4835G	47.30	54.00	-6.70	49.24	3	Horizontal	118	1.17	-	27.84	6.04	35.82

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2480MHz_TX

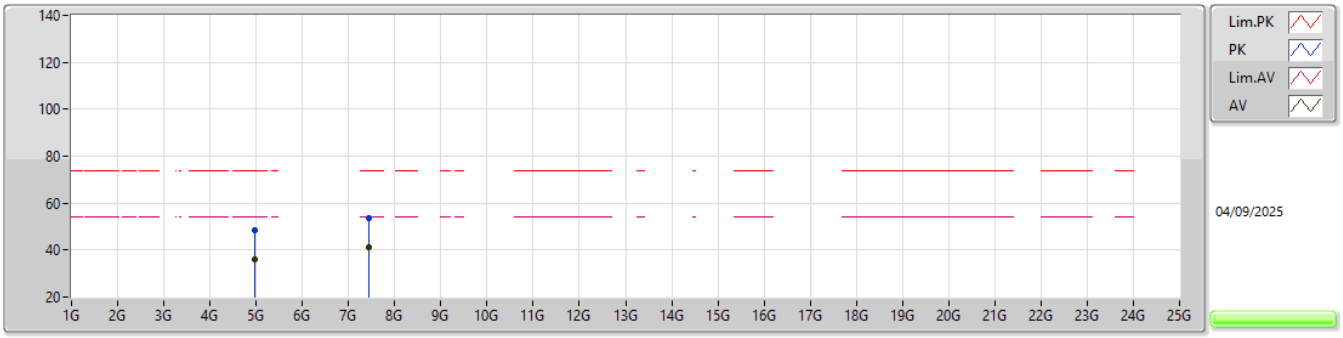


EUT Z_1TX
Setting 13
05-R-G-4

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	4.97122G	48.36	74.00	-25.64	42.47	3	Vertical	253	1.80	-	33.08	7.97	35.16
AV	4.96018G	35.63	54.00	-18.37	29.79	3	Vertical	253	1.80	-	33.04	7.96	35.16
PK	7.44804G	54.46	74.00	-19.54	42.39	3	Vertical	41	1.80	-	36.50	9.50	33.93
AV	7.43994G	41.39	54.00	-12.61	29.32	3	Vertical	41	1.80	-	36.52	9.49	33.94

2.4-2.4835GHz_Thread_3MHz_Nss1_1TX

2480MHz_TX



EUT Z_1TX
Setting 13
05-R-G-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	4.95886G	48.43	74.00	-25.57	42.59	3	Horizontal	325	2.36	-	33.04	7.96	35.16
AV	4.95898G	36.14	54.00	-17.86	30.30	3	Horizontal	325	2.36	-	33.04	7.96	35.16
PK	7.43814G	53.73	74.00	-20.27	41.66	3	Horizontal	190	2.52	-	36.52	9.49	33.94
AV	7.44G	41.39	54.00	-12.61	29.32	3	Horizontal	190	2.52	-	36.52	9.49	33.94