



RADIO TEST REPORT

FCC ID : TLZ-CU639
Equipment : Wireless MCU with Integrated Wi-Fi 6 + Bluetooth Low Energy 5.4
Brand Name : AzureWave
Model Name : AW-CU639-ZC1, AW-CU639-ZC2
Applicant : AzureWave Technologies, Inc.
8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231
Manufacturer : AzureWave Technologies (Shanghai) Inc.
No. 1355, Jiaxin Road, Malu Twon, Jiading District Shanghai, P.R. China
Standard : 47 CFR FCC Part 15.247

The product was received on Dec. 26, 2024, and testing was started from Dec. 27, 2024 and completed on Feb. 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: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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History of this test report

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_6 Ver1.3

Page Number : 3 of 29
Issued Date : Mar. 03, 2025
Report Version : 01



Summary of Test Result

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

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Sam Chen**Report Producer: Vicky Huang**



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Mode	Ch. Frequency (MHz)	Channel Number
2400-2483.5	LE	2402-2480	0-39 [40]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-LE(1Mbps)	1	1TX
2.4-2.4835GHz	BT-LE(500Kb/s)	1	1TX
2.4-2.4835GHz	BT-LE(125Kb/s)	1	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2	1TX

Note:

- ♦ Bluetooth LE uses a GFSK modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	EUT 1	EUT 2					
1	1	1	AzureWave	2639AN	PCB	N/A	2.5
2	2	2/3	TE	2108792-2	Dipole	I-Pex	4.9
3	2	2/3	TAOGLAS	FXP831.07.0100C	Dipole	I-Pex	3
4	2	2/3	TAOGLAS	FXP830.07.0100C	Dipole	I-Pex	2.5

Note 1: The above information was declared by manufacturer.

Note 2: For RF Conducted test: Only the highest gain antenna "Ant. 2" was selected to perform the test and recorded in this report.

For Radiated test and AC Conduction test: The EUT has two types of antenna. The antennas with the highest gain of each type were selected to test and their data were recorded in this report. Thus, Ant. 1 & Ant. 2 were selected to test.

For WLAN 2.4GHz function

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

The EUT supports all antennas with TX/RX diversity functions, but only one of them will be used at one time.

For RF Conducted test: The port 1 generated the worst case from all ports, so it was selected to be tested from this port.

For Radiated test: For Ant. 2, the port 3 generated the worst case from port 2~3, so it was selected to be tested from this port.

**For Bluetooth function (1TX/1RX):**

The EUT supports all antennas with TX/RX diversity functions, but only one of them will be used at one time.

For RF Conducted test: The port 2 generated the worst case from all ports, so it was selected to be tested from this port.

For Radiated test: For Ant.2, the port 3 generated the worst case from port 2~3, so it was selected to be tested from this port.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
BT-LE(1Mbps)	0.624	2.05	390u	3k
BT-LE(2Mbps)	0.325	4.88	203.281u	10k

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 2.0.0.2			
Support Mode	☒	LE 1M PHY: 1 Mb/s		
	☒	LE Coded PHY (S=2): 500 Kb/s		
	☒	LE Coded PHY (S=8): 125 Kb/s		
	☒	LE 2M PHY: 2 Mb/s		

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

EUT	Model Name	Amount of External Ant. Port	SRAM	D/C Input
1	AW-CU639-ZC1	1	X	V
2	AW-CU639-ZC2	2	V	X

Note: 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	Chris Li	22.1-23.2 / 60-62	Jan. 02, 2025~ Feb. 05, 2025
Radiated (Below 1GHz)	03CH06-CB	Gordon Hung	22.5-22.9 / 58-60	Dec. 27, 2024~ Feb. 15, 2025
Radiated (Above 1GHz)	03CH02-CB	Gordon Hung	22-23 / 61-63	Dec. 27, 2024~ Feb. 15, 2025
Radiated (Co-location)	03CH04-CB	Gordon Hung	22.7-23.8 / 58-60	Dec. 27, 2024~ Feb. 15, 2025
AC Conduction	CO01-CB	Tim Chen	21~22 / 58~59	Feb. 14, 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)	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
BT-LE(1Mbps)
2402MHz
2440MHz
2480MHz
BT-LE(2Mbps)
2402MHz
2440MHz
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 + WLAN 2.4GHz + Ant. 1
2	EUT 1 + WLAN 2.4GHz + Ant. 1
3	EUT 2 + WLAN 2.4GHz + Ant. 2 (Port 3)
4	EUT 2 + WLAN 2.4GHz + Ant. 2 (Port 2)
5	EUT 1 + WLAN 2.4GHz + Ant. 2 (Port 2)
6	EUT 2 + Bluetooth + Ant. 1
7	EUT 1 + Bluetooth + Ant. 1
8	EUT 2 + Bluetooth + Ant. 2 (Port 3)
9	EUT 2 + Bluetooth + Ant. 2 (Port 2)
10	EUT 1 + Bluetooth + Ant. 2 (Port 2)
For operating mode 1 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
Operating Mode	1. There are two EUTs, after evaluating, EUT 2 has been evaluated to be the worst case, thus measurement will follow this same test configuration. 2. Only the highest gain antenna was selected to test.
1	EUT 2 + Ant. 2 (Test from port 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
	1. After evaluating, and the worst case axis was found as below for Emissions in Restricted Frequency Bands above 1GHz test. So the measurement will follow this same test configuration. 2. There are two modes of EUT 2, one is EUT 2 + Ant. 2 (Port 2) and the other is EUT 2 + Ant. 2 (Port 3). EUT 2 + Ant. 2 (Port 3) mode has been evaluated to be the worst case after evaluating. So the will follow this same test configuration.
1	EUT 2 in Z axis + Bluetooth + Ant. 1
2	EUT 1 in Z axis + Bluetooth + Ant. 1
3	EUT 2 in Z axis + Bluetooth + Ant. 2 (Port 3)
4	EUT 1 in Z axis + Bluetooth + Ant. 2 (Port 2)
5	EUT 2 in Y axis + WLAN 2.4GHz + Ant. 1
6	EUT 1 in Y axis + WLAN 2.4GHz + Ant. 1
7	EUT 2 in X axis + WLAN 2.4GHz + Ant. 2 (Port 3)
8	EUT 1 in X axis + WLAN 2.4GHz + Ant. 2 (Port 2)
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	1. After evaluating, the worst case axis was found as below. So the measurement will follow this same test configuration. 2. For Ant. 1: There are two EUTs, after evaluating, EUT 1 has been evaluated to be the worst case, thus measurement will follow this same test configuration. 3. For Ant. 2: There are three modes of EUT, one is EUT 1 + Ant. 2 (Port 2), another is EUT 2 + Ant. 2 (Port 2) and the other is EUT 2 + Ant. 2 (Port 3). EUT 2 + Ant. 2 (Port 3) mode has been evaluated to be the worst case after evaluating. So the will follow this same test configuration.
1	EUT 1 in Z axis + Ant. 1
2	EUT 2 in Z axis + Ant. 2 (Port 3)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	CTX
	After evaluating, the worst case axis was found as below. So the measurement will follow this same test configuration.
1	EUT 1 in Y axis + WLAN 2.4GHz + Bluetooth + Ant. 1
2	EUT 1 in X axis + WLAN 2.4GHz + Bluetooth + Ant. 2 (Port 1)
3	EUT 2 in Z axis + WLAN 2.4GHz + Bluetooth + Ant. 1
4	EUT 2 in Z axis + WLAN 2.4GHz + Bluetooth + Ant. 2 (Port 1)
5	EUT 2 in Z axis + WLAN 2.4GHz + Bluetooth + Ant. 2 (Port 2)
For operating mode 2 is the worst case and it was record in this test report.	
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	1. There are two EUTs, after evaluating, EUT 2 has been evaluated to be the worst case, thus measurement will follow this same test configuration. 2. Only the highest gain antenna was selected to test.
	1
1	EUT 2 + WLAN 2.4GHz + Bluetooth + Ant. 2
Refer to Sporton Test Report No.: FA4D1802 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	NB	Lenovo	X1 Carbon	N/A
B	Earphone	e-Power	GT-02	N/A
C	Mouse	Acer	MOJFUO	N/A
D	Fixture	Azurewave	2639-I02	N/A

For Radiated:

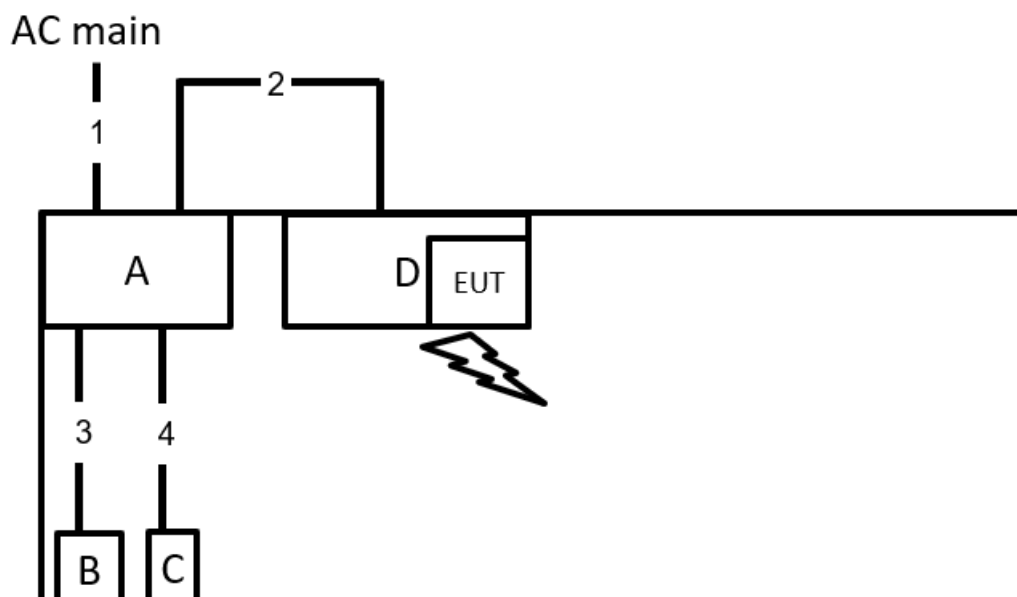
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Fixture	AzureWave	2639-I02	N/A

For RF Conducted:

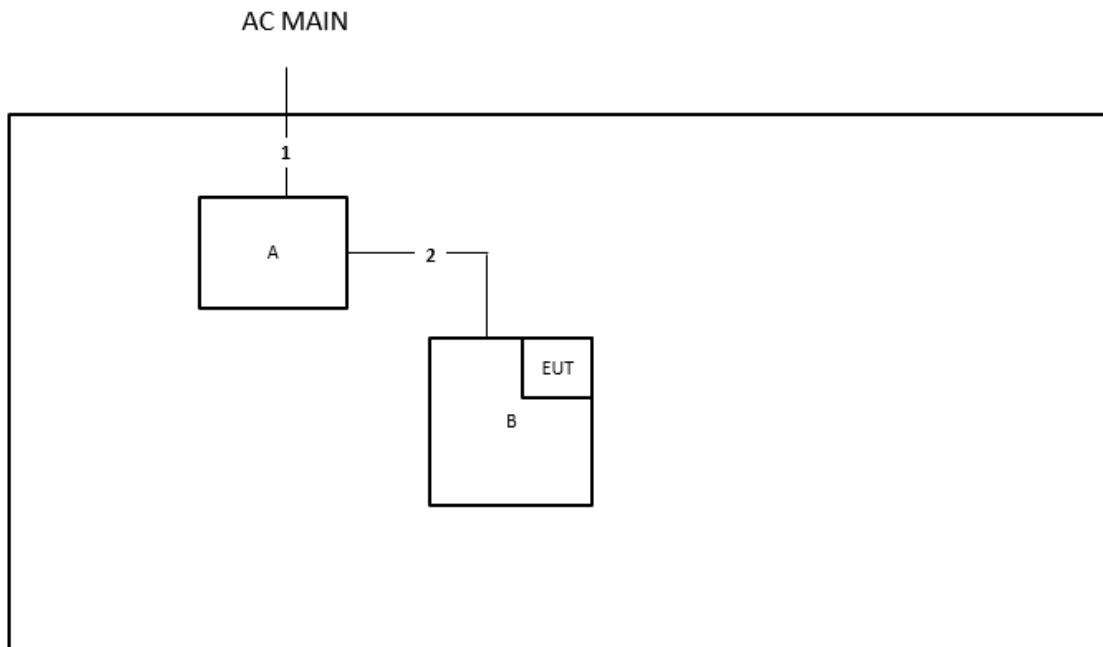
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	Lenovo	L440	N/A
B	Fixture	Azurewave	2639-I02	N/A

2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	2.7m
2	USB cable	Yes	1.5m
3	Audio cable	No	1.5m
4	USB cable	Yes	1.5m

Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	USB to Type B 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.		

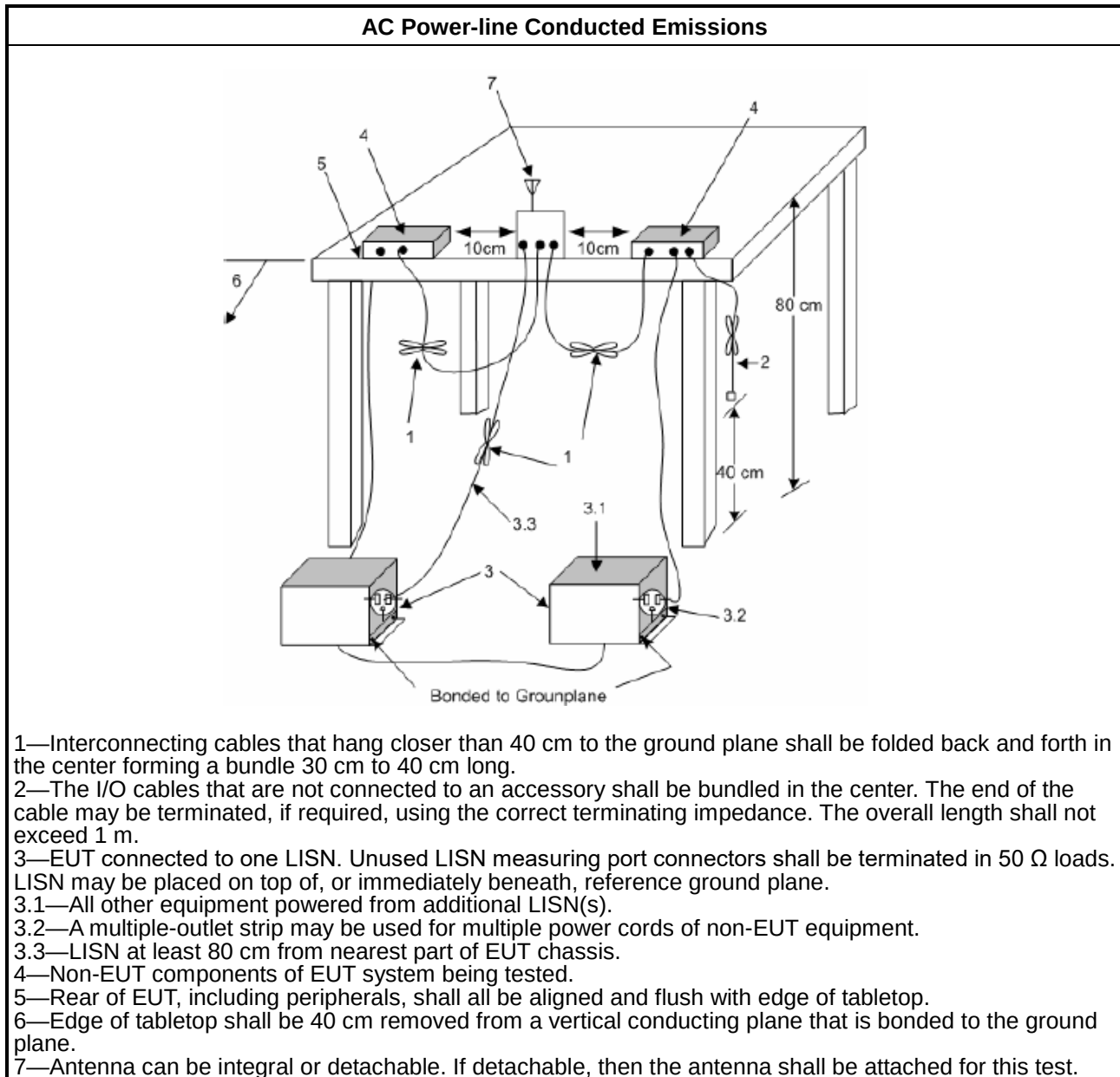
3.1.2 Measuring Instruments

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



1.1.1. 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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

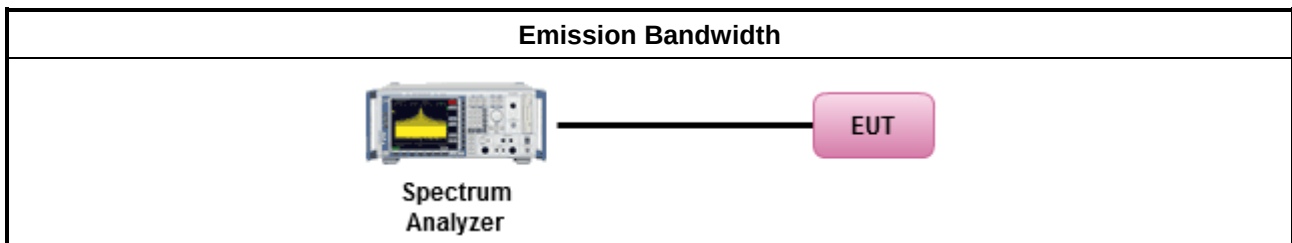
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

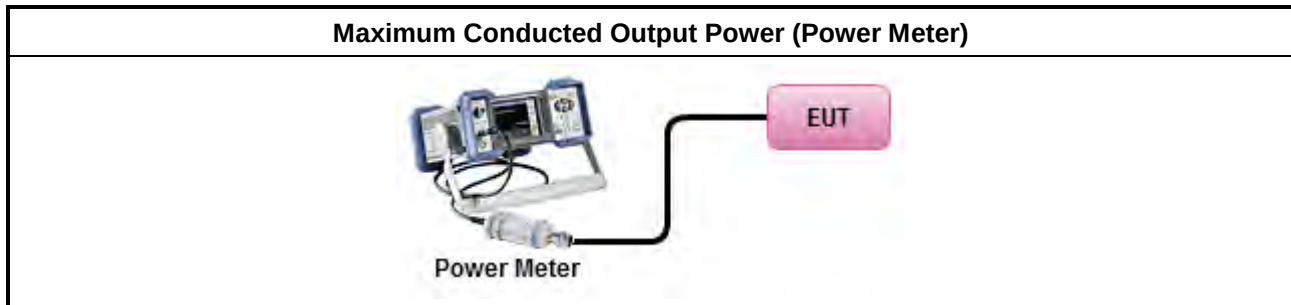
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

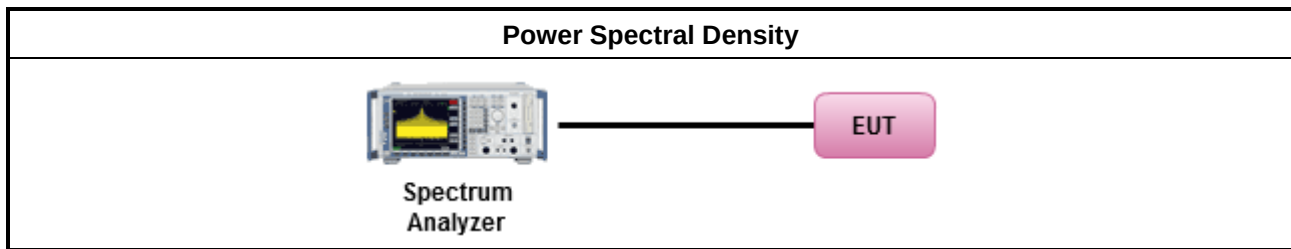
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).	
☒	Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD. [duty cycle $\geq 98\%$ or external video / power trigger]
▪ For conducted measurement.	
▪ If The EUT supports multiple transmit chains using options given below:	
☐	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add $10 \log(N)$ dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with $10 \log(N)$. Or each transmit chains shall be add $10 \log(N)$ to compared with the limit.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

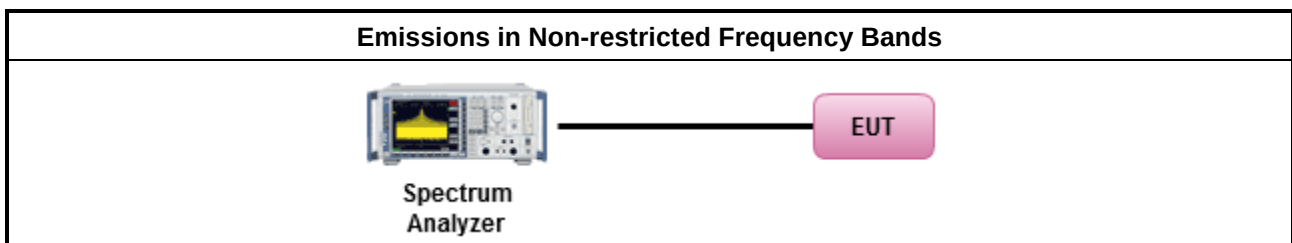
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

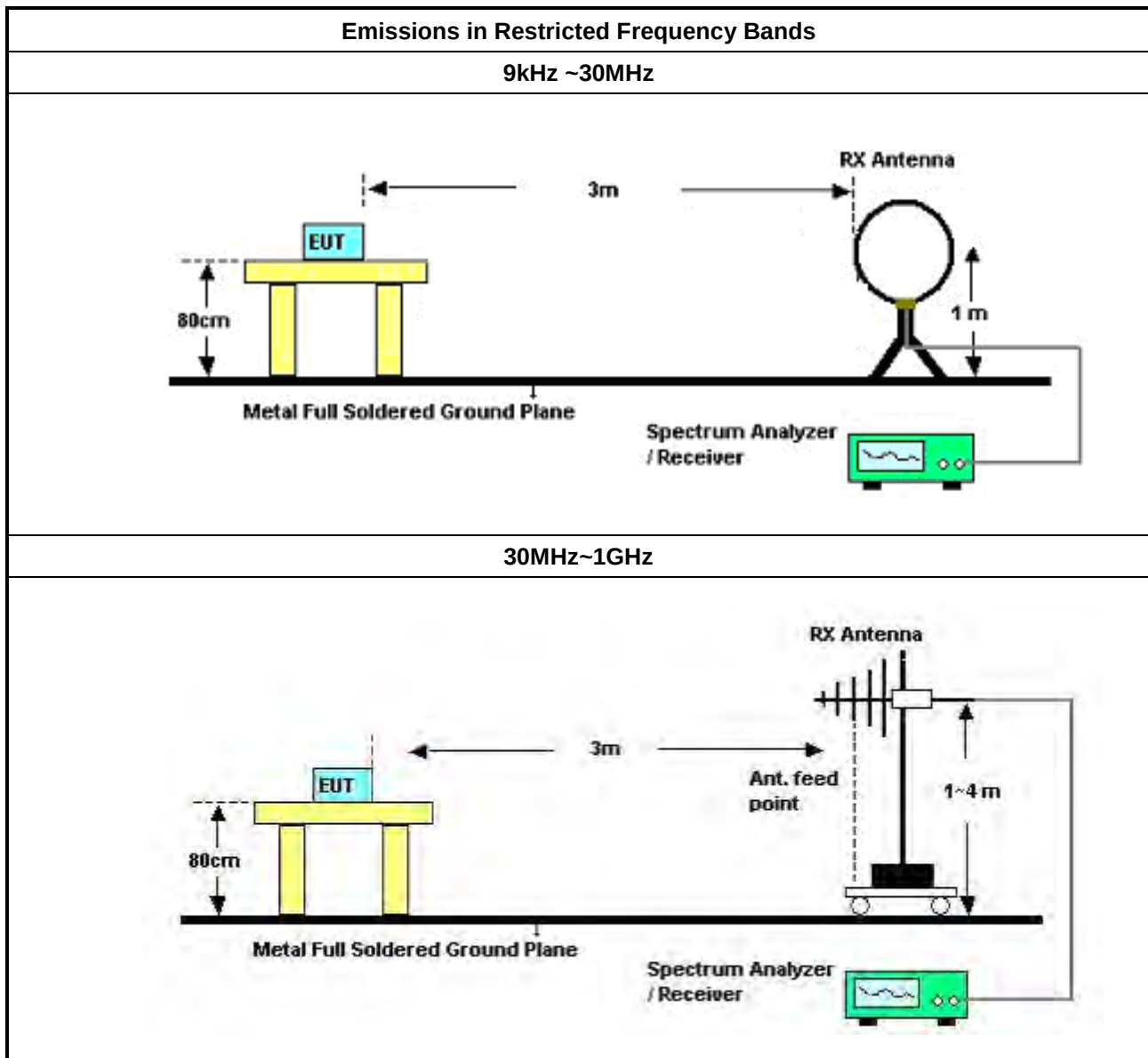
3.6.2 Measuring Instruments

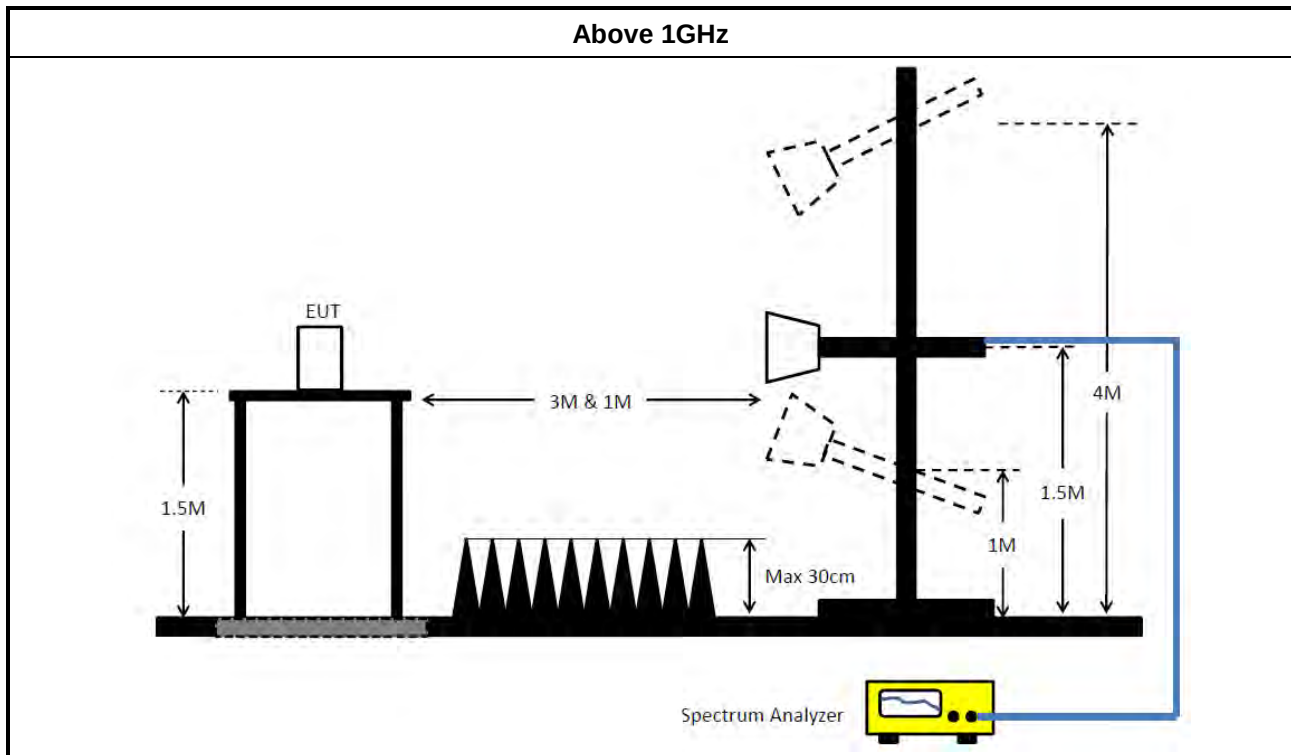
Refer a test equipment and calibration data table in this test report.

**3.6.3 Test Procedures**

Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq 98\%$).
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:	
	▪ Refer as FCC KDB 558074 clause 8.7 & c63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 01, 2024	Feb. 28, 2025	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 19, 2024	Feb. 18, 2025	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 24, 2024	Apr. 23, 2025	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 02, 2024	Aug. 01, 2025	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 02, 2024	Nov. 01, 2025	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 20, 2024	Aug. 19, 2025	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-05+68	30MHz~1GHz	Oct. 24, 2024	Oct. 23, 2025	Radiation (03CH06-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 12, 2024	Apr. 11, 2025	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Aug. 14, 2024	Aug. 13, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-300328_FS	V5.11.10	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 22, 2024	Feb. 21, 2025	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120D-01816	1GHz~18GHz	Dec. 20, 2024	Dec. 19, 2025	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH5265	20211115-1	1~ 26.5GHz	Jan. 17, 2024	Jan. 16, 2025	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH5265	20211115-1	1~ 26.5GHz	Jan. 16, 2025	Jan. 15, 2026	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 19, 2024	Mar. 18, 2025	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH04-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)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Mar. 01, 2024	Feb. 28, 2025	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	MY45100745	50MHz~18GHz	Jul. 12, 2024	Jul. 11, 2025	Conducted (TH01-CB)
Test Software	SPORTON	SENSE-15247_FS	V5.11.23	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

NCR means Non-Calibration required.



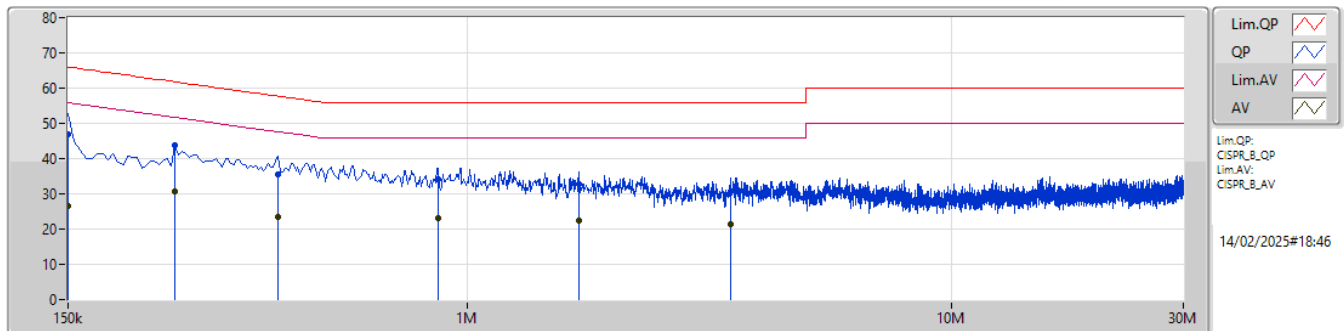
Conducted Emissions at Powerline

Appendix A

Summary

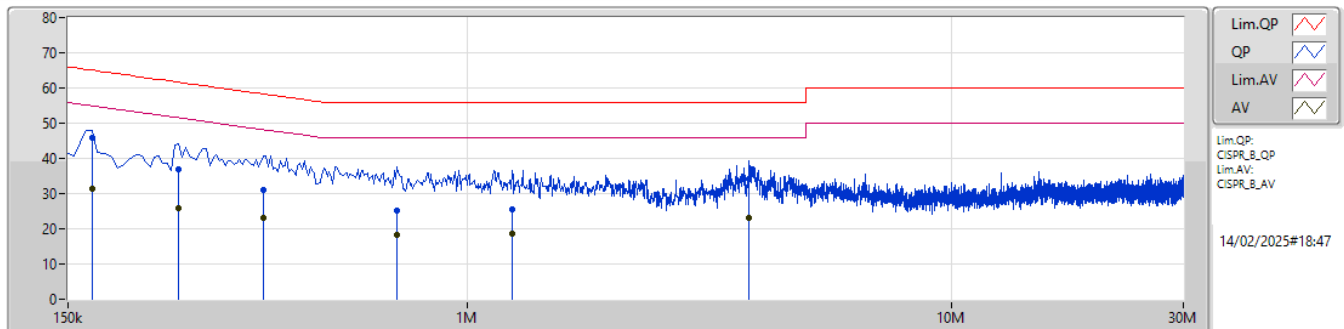
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	249k	43.83	61.79	-17.96	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	46.77	66.00	-19.23	10.03	Line	-	36.74	0.04	0.08	9.91						
AV	150k	26.44	56.00	-29.56	10.03	Line	-	16.41	0.04	0.08	9.91						
QP	249k	43.83	61.79	-17.96	10.10	Line	"Worst"	33.73	0.04	0.08	9.98						
AV	249k	30.71	51.79	-21.08	10.10	Line	-	20.61	0.04	0.08	9.98						
QP	406.5k	35.50	57.72	-22.22	10.21	Line	-	25.29	0.05	0.10	10.06						
AV	406.5k	23.35	47.72	-24.37	10.21	Line	-	13.14	0.05	0.10	10.06						
QP	870k	34.17	56.00	-21.83	10.30	Line	-	23.87	0.07	0.09	10.14						
AV	870k	22.98	46.00	-23.02	10.30	Line	-	12.68	0.07	0.09	10.14						
QP	1.698M	32.86	56.00	-23.14	10.22	Line	-	22.64	0.09	0.13	10.00						
AV	1.698M	22.28	46.00	-23.72	10.22	Line	-	12.06	0.09	0.13	10.00						
QP	3.485M	30.57	56.00	-25.43	10.18	Line	-	20.39	0.12	0.15	9.91						
AV	3.485M	21.46	46.00	-24.54	10.18	Line	-	11.28	0.12	0.15	9.91						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	168k	46.01	65.06	-19.05	10.07	Neutral	"Worst"	35.94	0.06	0.08	9.93						
AV	168k	31.31	55.06	-23.75	10.07	Neutral	-	21.24	0.06	0.08	9.93						
QP	253.5k	36.86	61.64	-24.78	10.13	Neutral	-	26.73	0.06	0.08	9.99						
AV	253.5k	26.00	51.64	-25.64	10.13	Neutral	-	15.87	0.06	0.08	9.99						
QP	379.5k	31.05	58.29	-27.24	10.21	Neutral	-	20.84	0.06	0.10	10.05						
AV	379.5k	23.17	48.29	-25.12	10.21	Neutral	-	12.96	0.06	0.10	10.05						
QP	717k	25.29	56.00	-30.71	10.28	Neutral	-	15.01	0.07	0.09	10.12						
AV	717k	18.41	46.00	-27.59	10.28	Neutral	-	8.13	0.07	0.09	10.12						
QP	1.239M	25.59	56.00	-30.41	10.30	Neutral	-	15.29	0.09	0.11	10.10						
AV	1.239M	18.79	46.00	-27.21	10.30	Neutral	-	8.49	0.09	0.11	10.10						
QP	3.809M	34.23	56.00	-21.77	10.18	Neutral	-	24.05	0.13	0.15	9.90						
AV	3.809M	23.12	46.00	-22.88	10.18	Neutral	-	12.94	0.13	0.15	9.90						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	691.25k	1.031M	1M03F1D	656.25k	1.026M
BT-LE(2Mbps)	1.425M	2.046M	2M05F1D	1.125M	2.041M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

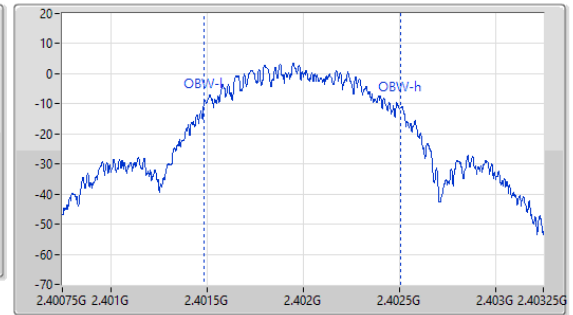
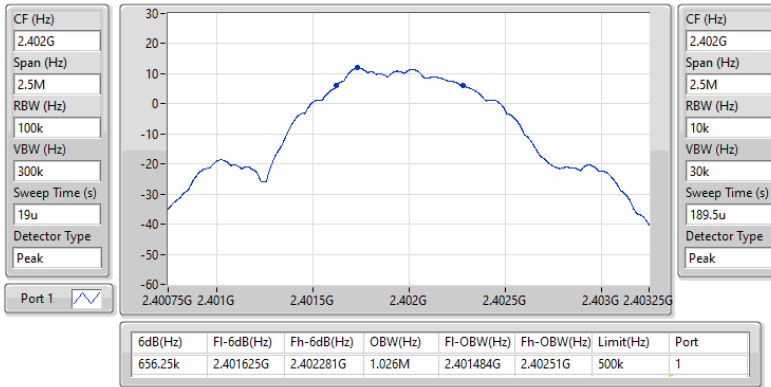
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	656.25k	1.026M
2440MHz	Pass	500k	691.25k	1.031M
2480MHz	Pass	500k	675k	1.028M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.125M	2.046M
2440MHz	Pass	500k	1.425M	2.044M
2480MHz	Pass	500k	1.27M	2.041M

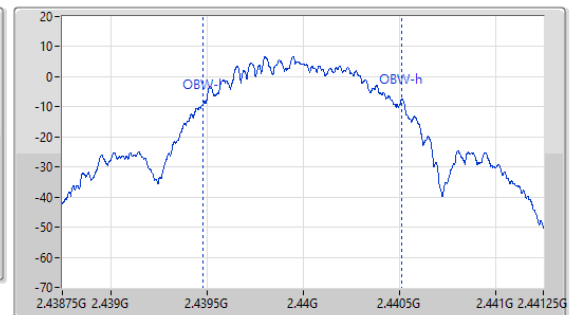
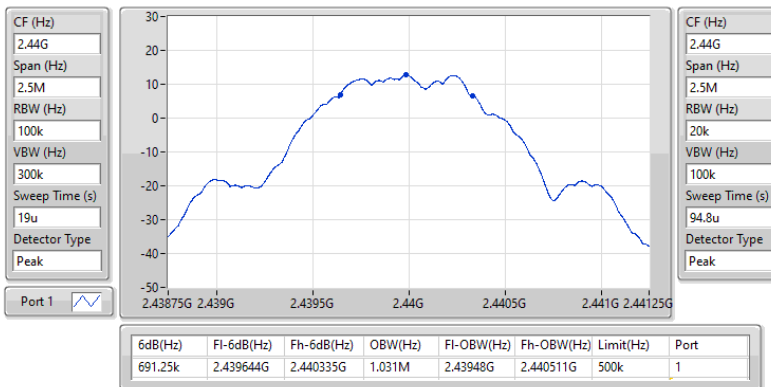
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2402MHz

02/01/2025

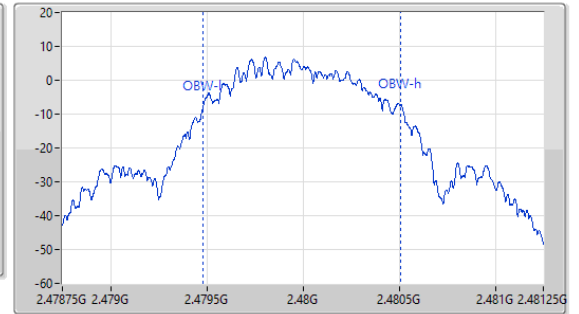
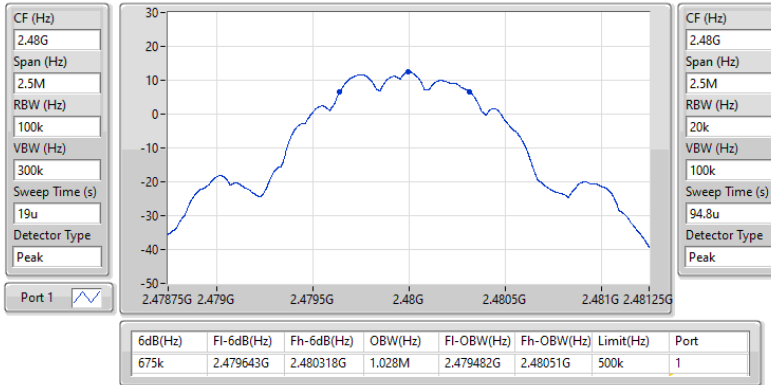

2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2440MHz

02/01/2025

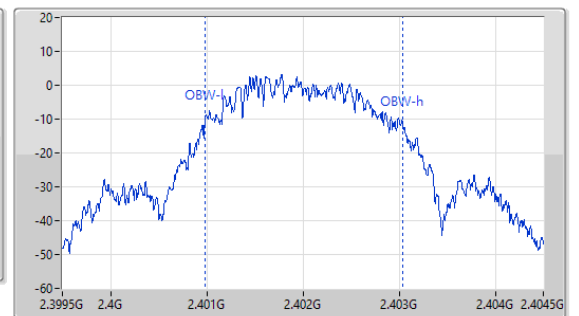
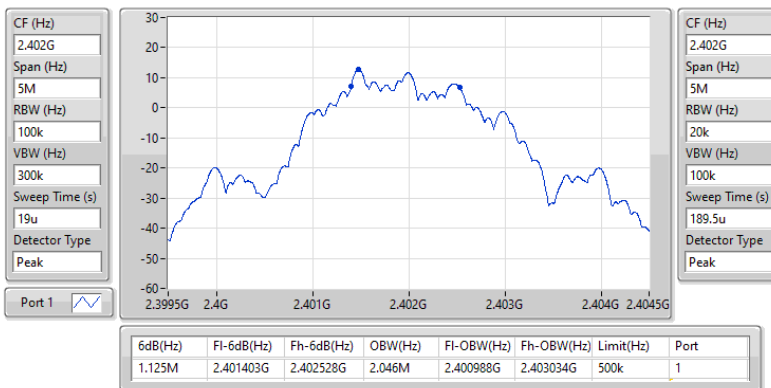


2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2480MHz

02/01/2025


2.4-2.4835GHz_BT-LE(2Mbps)
EBW-DTS
2402MHz

02/01/2025

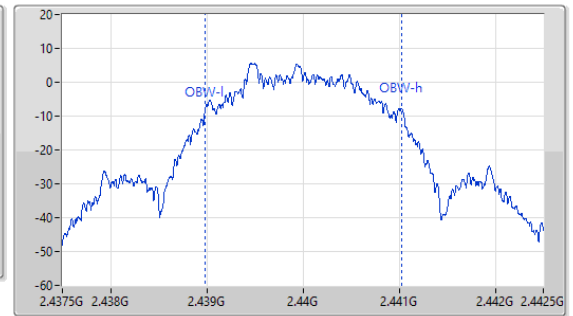
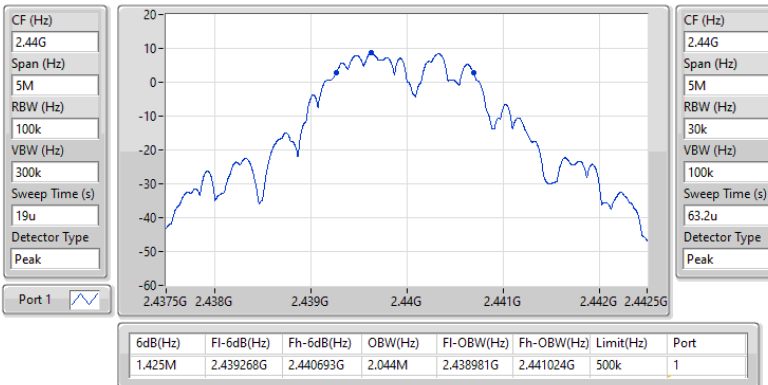


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2440MHz

02/01/2025

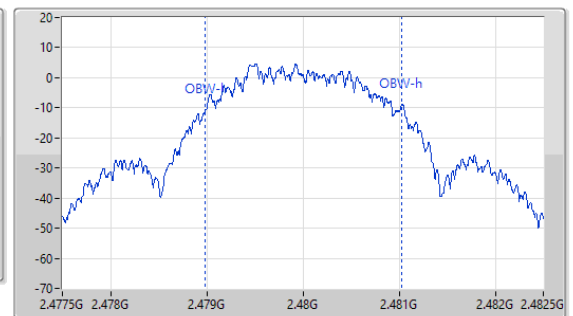
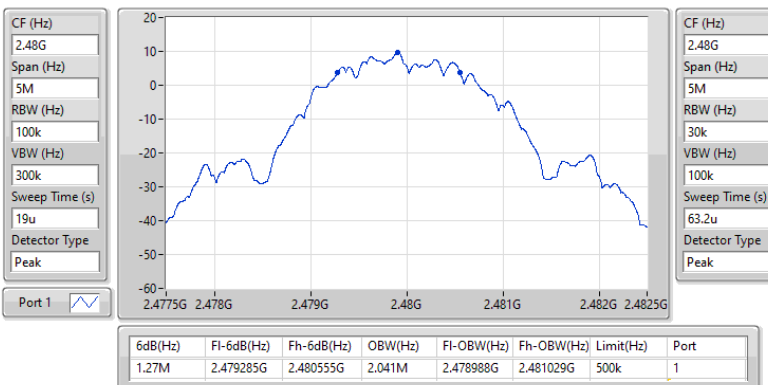


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2480MHz

02/01/2025





Average Power-DTS

Appendix C

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	13.24	0.02109
BT-LE(2Mbps)	13.12	0.02051

**Result**

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.90	13.23	30.00
2440MHz	Pass	4.90	13.24	30.00
2480MHz	Pass	4.90	13.04	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.90	13.08	30.00
2440MHz	Pass	4.90	13.12	30.00
2480MHz	Pass	4.90	12.86	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	-
BT-LE(1Mbps)	-2.35
BT-LE(2Mbps)	-5.16

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.90	-2.35	8.00
2440MHz	Pass	4.90	-2.51	8.00
2480MHz	Pass	4.90	-2.60	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.90	-5.16	8.00
2440MHz	Pass	4.90	-5.25	8.00
2480MHz	Pass	4.90	-5.56	8.00

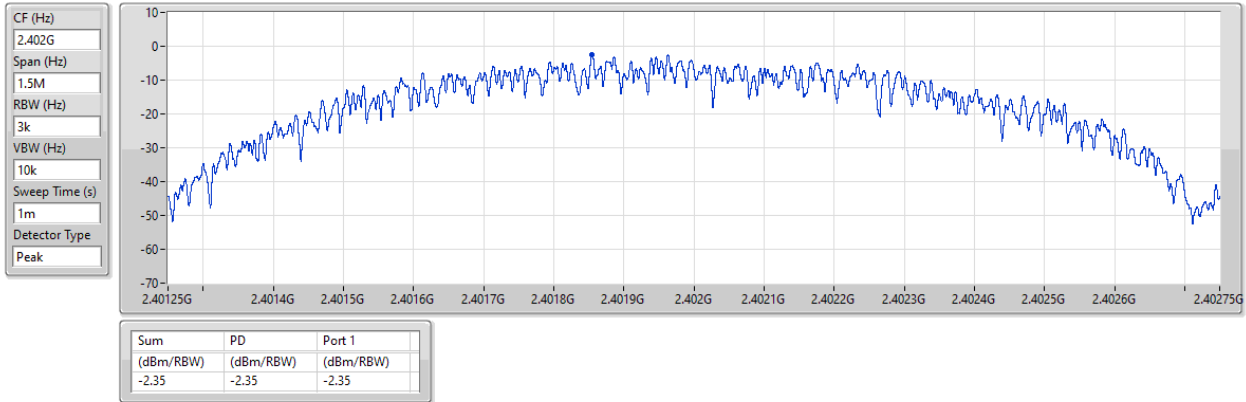
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2402MHz

02/01/2025

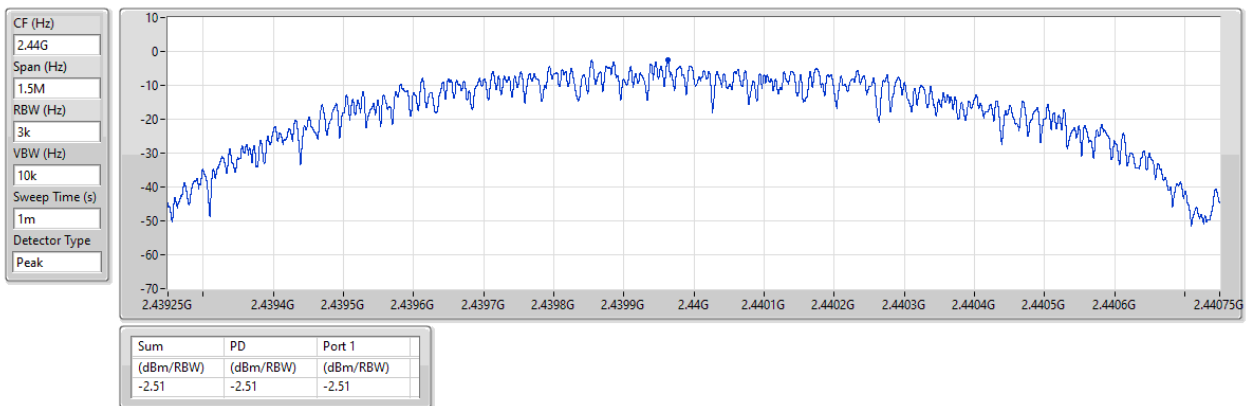


2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

02/01/2025

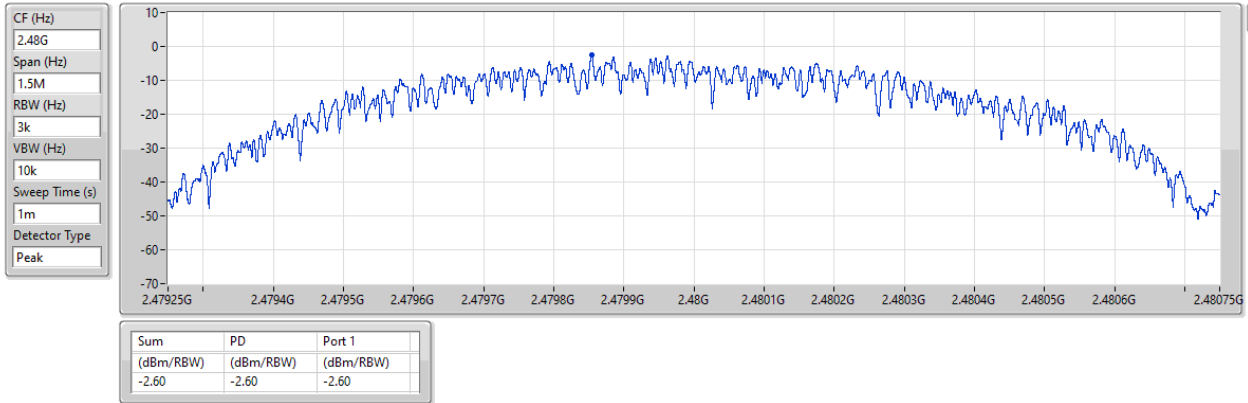


2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2480MHz

02/01/2025

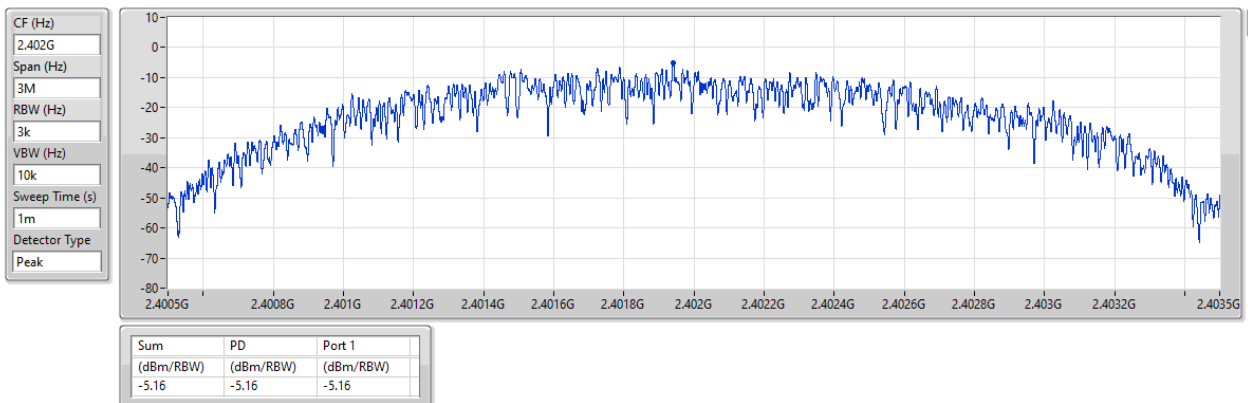


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

02/01/2025

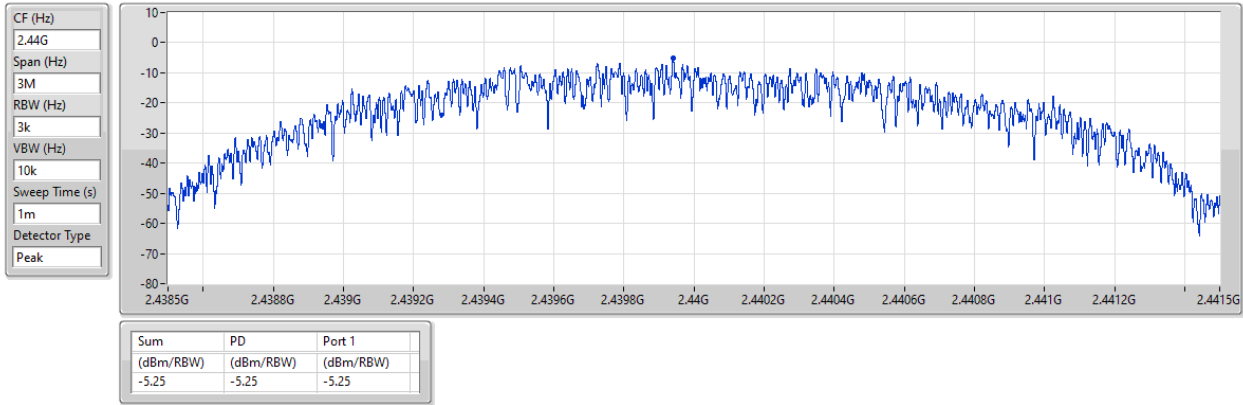


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2440MHz

02/01/2025

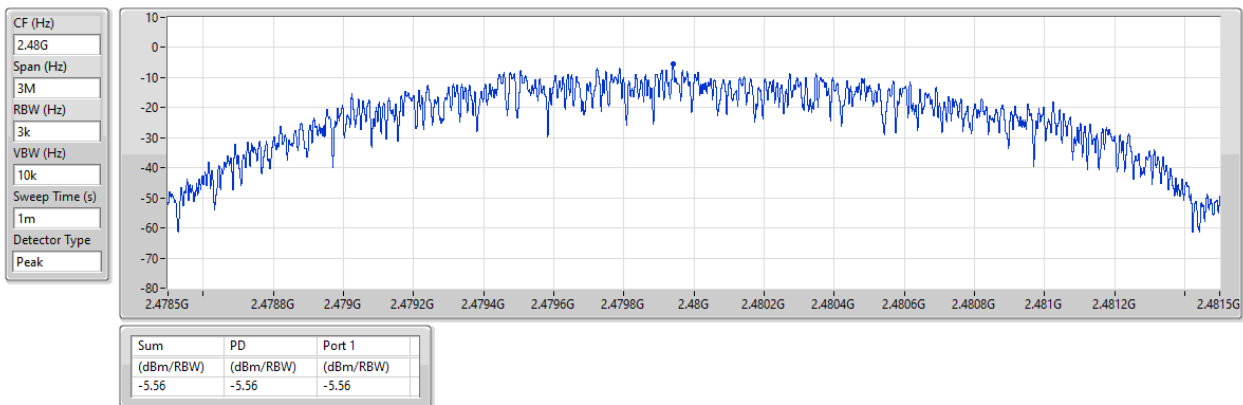


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2480MHz

02/01/2025



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.44008G	12.68	-17.32	713.85M	-52.62	2.4G	-45.92	2.4G	-45.86	2.5019G	-50.83	14.88501G	-42.22	1
BT-LE(2Mbps)	Pass	2.43941G	13.00	-17.00	937.1M	-52.25	2.4G	-19.09	2.4G	-19.17	2.5033G	-51.71	15.21965G	-42.88	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44008G	12.68	-17.32	713.85M	-52.62	2.4G	-45.92	2.4G	-45.86	2.5019G	-50.83	14.88501G	-42.22	1
2440MHz	Pass	2.44008G	12.68	-17.32	2.1121G	-51.83	2.3996G	-51.32	2.4G	-53.77	2.50194G	-50.96	24.15919G	-42.87	1
2480MHz	Pass	2.44008G	12.68	-17.32	873.65M	-51.80	2.3956G	-50.56	2.4G	-51.74	2.50198G	-51.66	15.00593G	-42.59	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43941G	13.00	-17.00	937.1M	-52.25	2.4G	-19.09	2.4G	-19.17	2.5033G	-51.71	15.21965G	-42.88	1
2440MHz	Pass	2.43941G	13.00	-17.00	1.80425G	-52.31	2.39236G	-51.79	2.4G	-53.60	2.5009G	-51.56	24.47414G	-42.58	1
2480MHz	Pass	2.43941G	13.00	-17.00	837.23M	-51.97	2.39608G	-50.97	2.4G	-54.76	2.5035G	-51.05	15.18309G	-42.19	1

2.4-2.4835GHz_BT-LE(1Mbps)

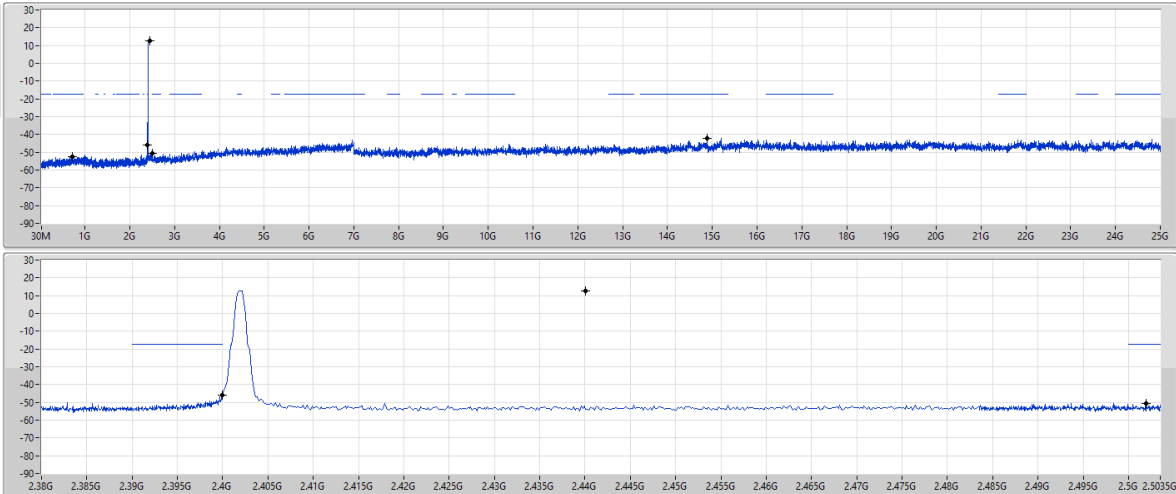
CSEndB-DTS

2402MHz

02/01/2025

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

Port 1



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
2.44008G	12.68	-17.32	713.85M	-52.62	2.4G	-45.92	2.4G	-45.86	2.5019G	-50.83	14.88501G	-42.22	1

2.4-2.4835GHz_BT-LE(1Mbps)

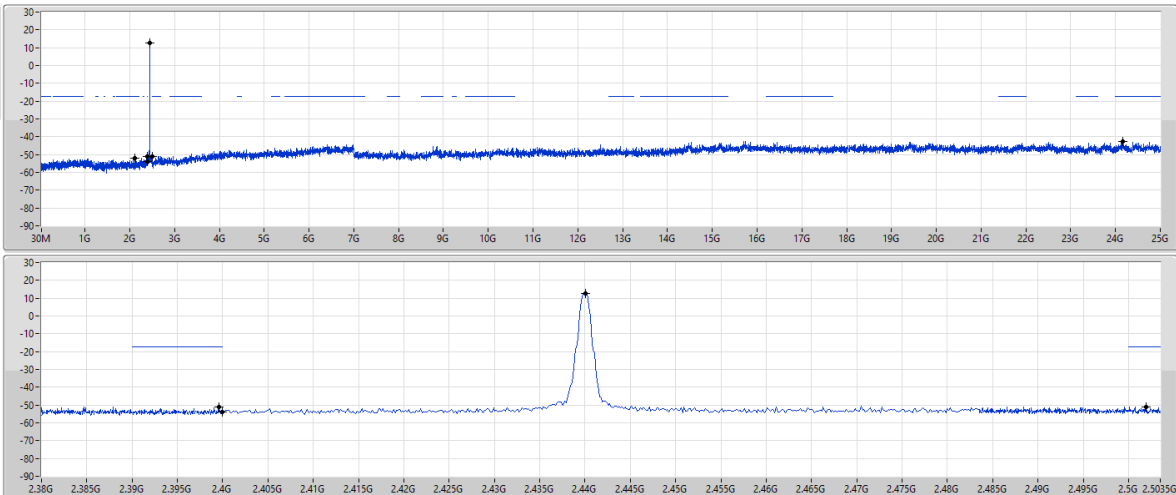
CSEndB-DTS

2440MHz

02/01/2025

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

Port 1



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
2.44008G	12.68	-17.32	2.1121G	-51.83	2.3996G	-51.32	2.4G	-53.77	2.50194G	-50.96	24.15919G	-42.87	1

2.4-2.4835GHz_BT-LE(1Mbps)

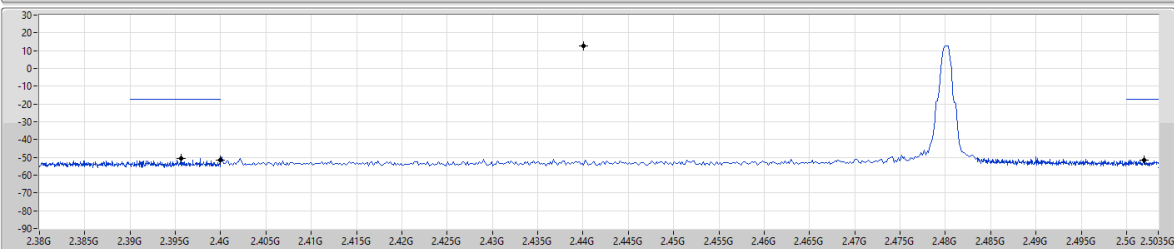
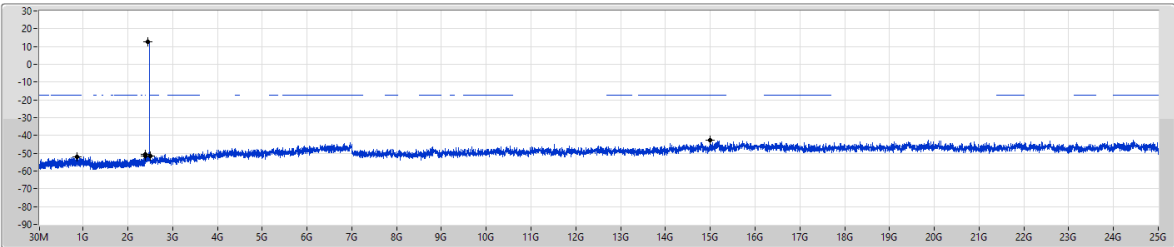
CSEndB-DTS

2480MHz

02/01/2025

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

Port 1



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
2.44008G	12.68	-17.32	873.65M	-51.80	2.3956G	-50.56	2.4G	-51.74	2.50198G	-51.66	15.00593G	-42.59	1

2.4-2.4835GHz_BT-LE(2Mbps)

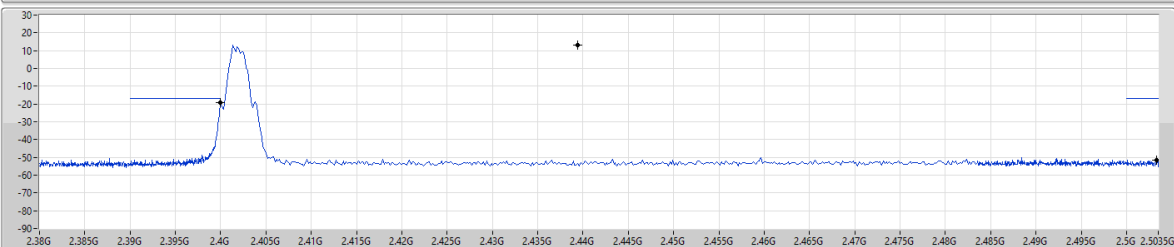
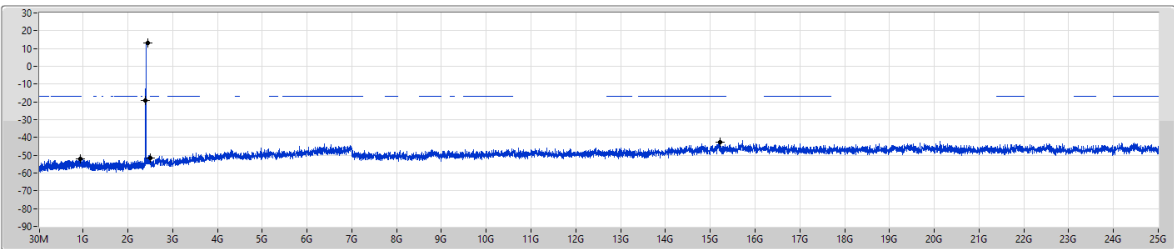
CSEndB-DTS

2402MHz

02/01/2025

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

Port 1



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	13.00	-17.00	937.1M	-52.25	2.4G	-19.09	2.4G	-19.17	2.5033G	-51.71	15.21965G	-42.88	1

2.4-2.4835GHz_BT-LE(2Mbps)

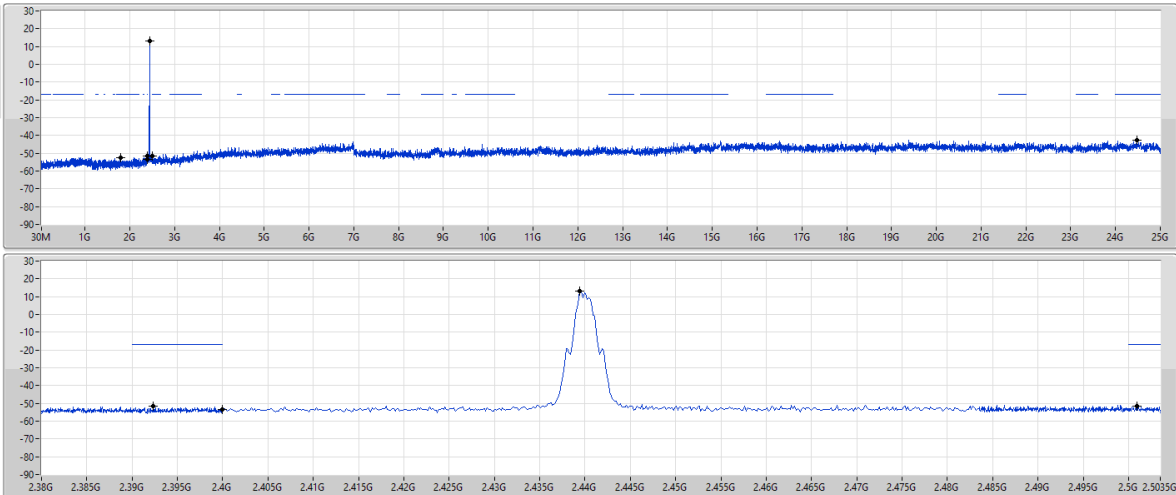
CSEndB-DTS

2440MHz

02/01/2025

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

Port 1



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	13.00	-17.00	1.80425G	-52.31	2.39236G	-51.79	2.4G	-53.60	2.5009G	-51.56	2.47414G	-42.58	1

2.4-2.4835GHz_BT-LE(2Mbps)

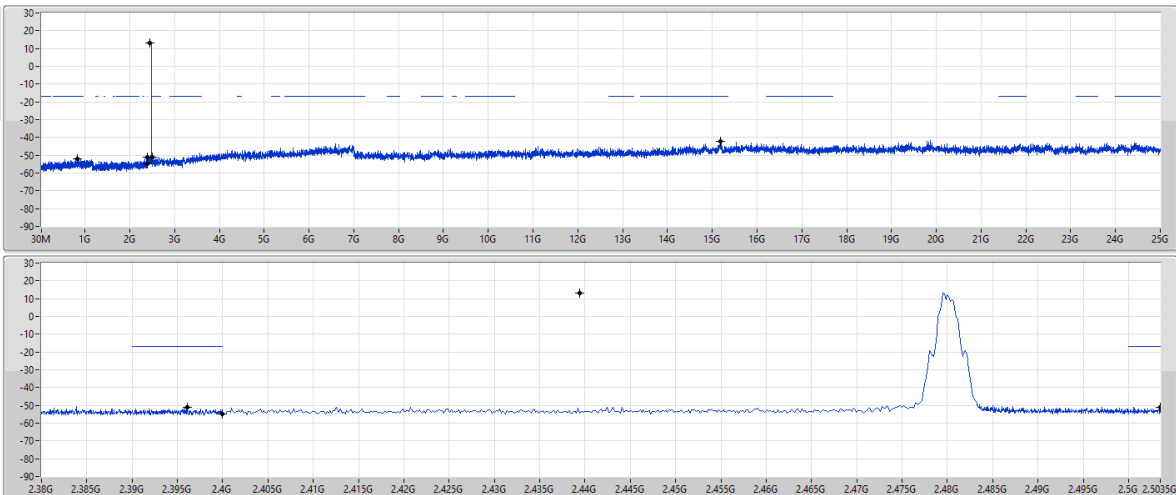
CSEndB-DTS

2480MHz

02/01/2025

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

Port 1



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	13.00	-17.00	837.23M	-51.97	2.39609G	-50.97	2.4G	-54.76	2.5035G	-51.05	15.18309G	-42.19	1



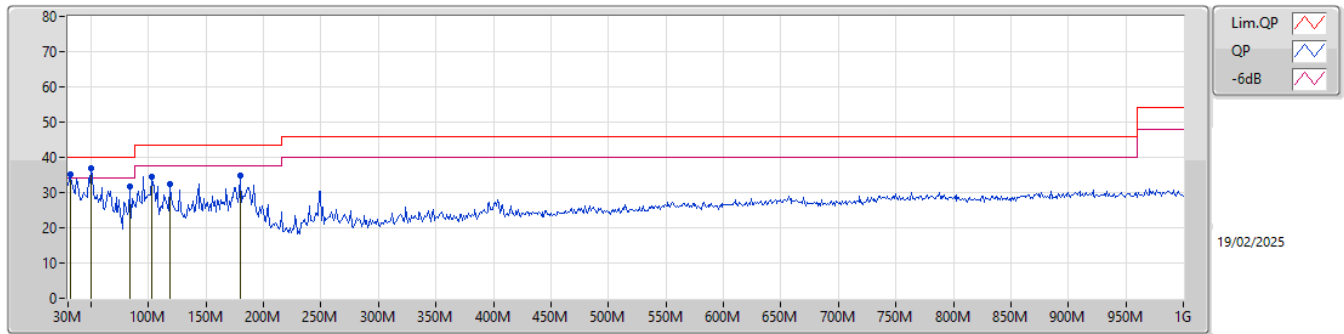
Radiated Emissions below 1GHz

Appendix F.1

Summary

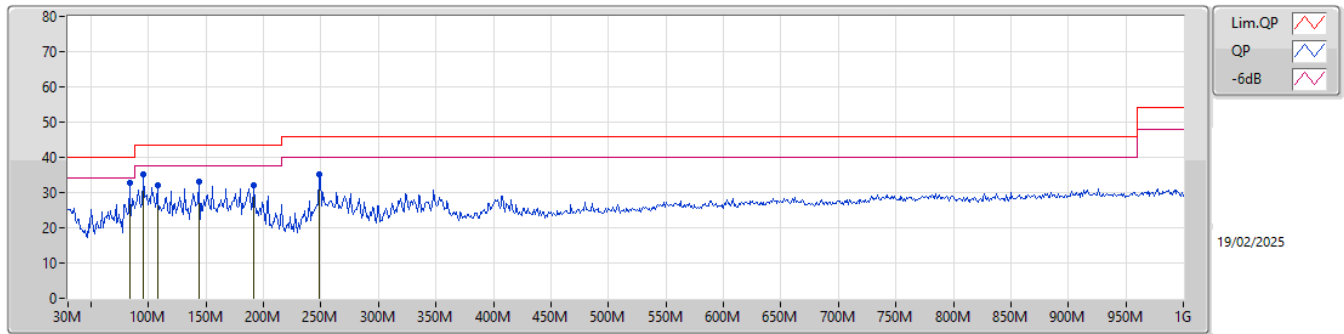
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	50.37M	36.99	40.00	-3.01	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	31.94M	35.03	40.00	-4.97	-8.49	3	Vertical	167	1.00	-	43.52	23.27	0.55	32.31		
PK	50.37M	36.99	40.00	-3.01	-17.63	3	Vertical	252	1.00	"Worst"	54.62	13.97	0.65	32.25		
PK	83.35M	31.75	40.00	-8.25	-18.06	3	Vertical	134	1.50	-	49.81	13.35	0.96	32.37		
PK	102.75M	34.63	43.50	-8.87	-14.12	3	Vertical	305	1.25	-	48.75	16.97	1.02	32.11		
PK	118.27M	32.34	43.50	-11.16	-13.32	3	Vertical	312	1.25	-	45.66	17.85	1.03	32.20		
PK	179.38M	34.90	43.50	-8.60	-15.65	3	Vertical	359	1.00	-	50.55	15.10	1.33	32.08		

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	83.35M	32.85	40.00	-7.15	-18.06	3	Horizontal	207	2.00	"Worst"	50.91	13.35	0.96	32.37		
PK	95.96M	35.24	43.50	-8.26	-15.26	3	Horizontal	213	2.00	-	50.50	15.88	1.01	32.15		
PK	107.6M	32.07	43.50	-11.43	-13.80	3	Horizontal	232	3.00	-	45.87	17.32	1.02	32.14		
PK	143.49M	33.21	43.50	-10.29	-14.26	3	Horizontal	54	2.00	-	47.47	16.85	1.19	32.30		
PK	191.99M	32.20	43.50	-11.30	-15.87	3	Horizontal	212	2.00	-	48.07	14.88	1.37	32.12		
PK	248.25M	35.30	46.00	-10.70	-12.50	3	Horizontal	258	1.25	-	47.80	18.09	1.55	32.14		

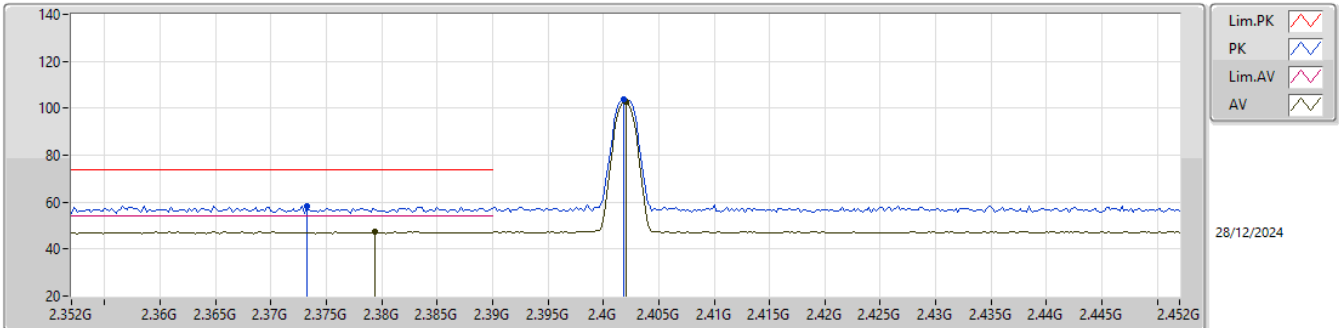


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	AV	2.4835G	50.08	54.00	-3.92	3	Horizontal	32	1.18	-

2.4-2.4835GHz_BT-LE(1Mbps)

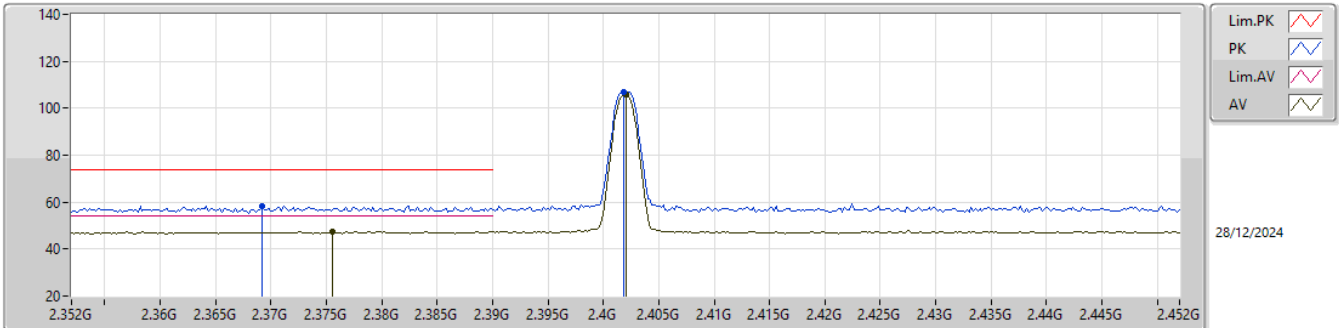
2402MHz_TX


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3732G	58.37	74.00	-15.63	25.92	3	Vertical	122	2.81	-	28.40	4.05	-			
AV	2.3794G	47.40	54.00	-6.60	14.94	3	Vertical	122	2.81	-	28.40	4.06	-			
PK	2.4018G	103.55	Inf	-Inf	71.00	3	Vertical	122	2.81	-	28.48	4.07	-			
AV	2.402G	102.63	Inf	-Inf	70.08	3	Vertical	122	2.81	-	28.48	4.07	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

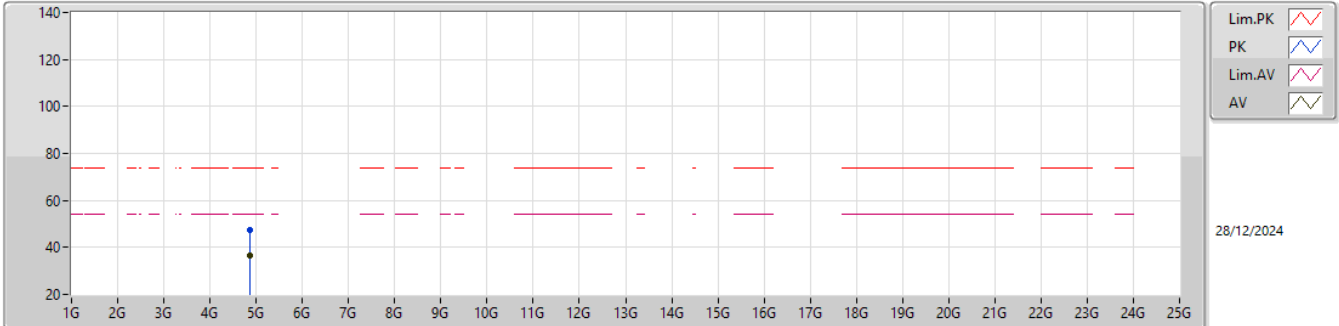


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3692G	58.31	74.00	-15.69	25.86	3	Horizontal	31	2.85	-	28.40	4.05	-				
AV	2.3756G	47.63	54.00	-6.37	15.18	3	Horizontal	31	2.85	-	28.40	4.05	-				
PK	2.4018G	107.04	Inf	-Inf	74.49	3	Horizontal	31	2.85	-	28.48	4.07	-				
AV	2.402G	106.12	Inf	-Inf	73.57	3	Horizontal	31	2.85	-	28.48	4.07	-				

2.4-2.4835GHz_BT-LE(1Mbps)

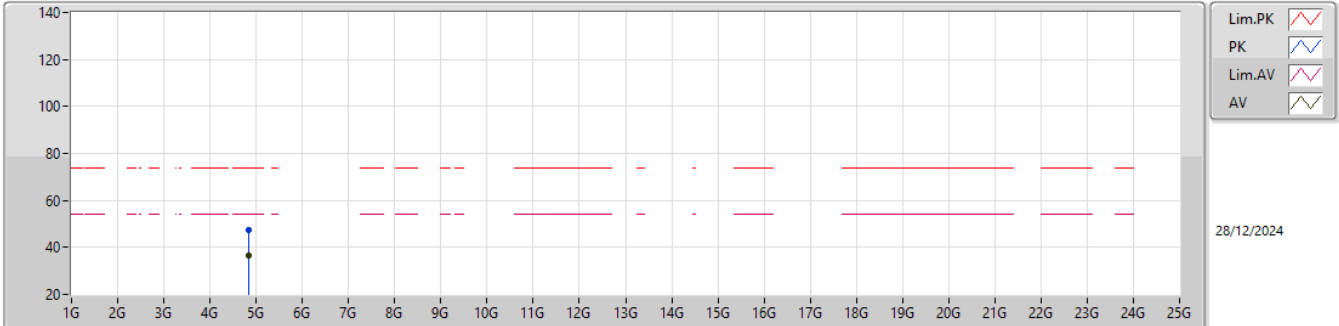
2402MHz_TX


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.8518G	47.27	74.00	-26.73	38.27	3	Vertical	360	1.80	-	33.20	6.80	31.00			
AV	4.8534G	36.47	54.00	-17.53	27.46	3	Vertical	360	1.80	-	33.21	6.80	31.00			

2.4-2.4835GHz_BT-LE(1Mbps)

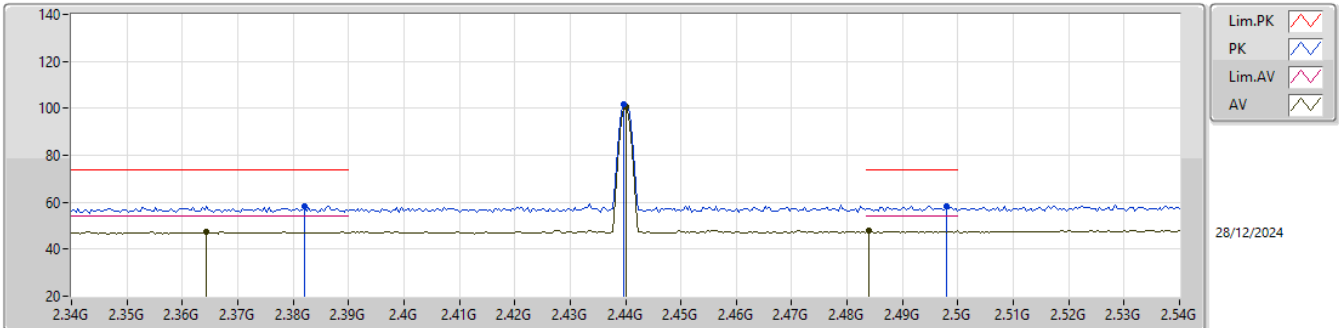
2402MHz_TX


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.8418G	47.37	74.00	-26.63	38.40	3	Horizontal	7	2.35	-	33.18	6.79	31.00			
AV	4.8336G	36.32	54.00	-17.68	27.36	3	Horizontal	7	2.35	-	33.17	6.79	31.00			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

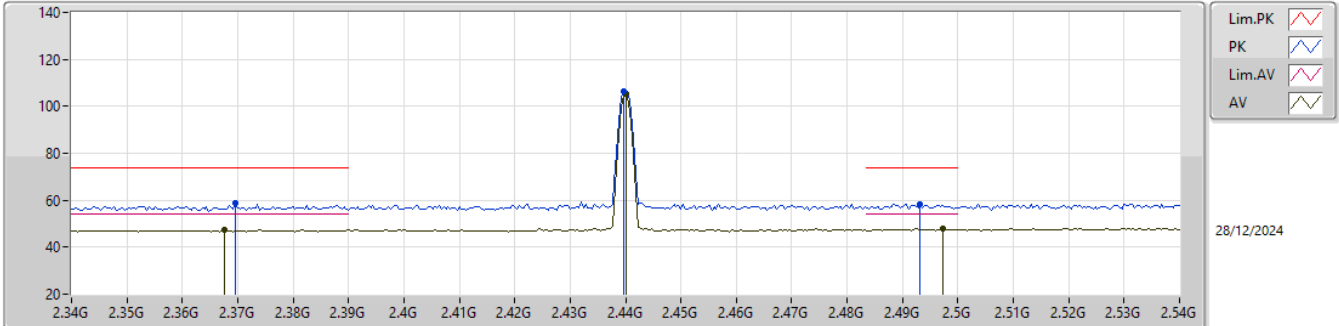


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.382G	58.34	74.00	-15.66	25.86	3	Vertical	113	2.80	-	28.42	4.06	-			
AV	2.3644G	47.57	54.00	-6.43	15.12	3	Vertical	113	2.80	-	28.40	4.05	-			
PK	2.4396G	101.53	Inf	-Inf	68.93	3	Vertical	113	2.80	-	28.50	4.10	-			
AV	2.44G	100.62	Inf	-Inf	68.02	3	Vertical	113	2.80	-	28.50	4.10	-			
PK	2.498G	58.25	74.00	-15.75	25.51	3	Vertical	113	2.80	-	28.60	4.14	-			
AV	2.484G	47.70	54.00	-6.30	14.97	3	Vertical	113	2.80	-	28.60	4.13	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

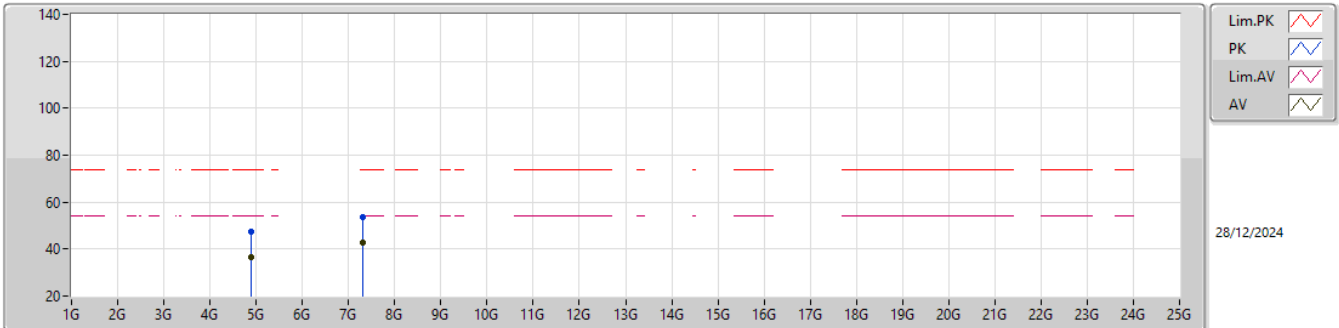


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3696G	59.01	74.00	-14.99	26.56	3	Horizontal	34	1.27	-	28.40	4.05	-			
AV	2.3676G	47.31	54.00	-6.69	14.86	3	Horizontal	34	1.27	-	28.40	4.05	-			
PK	2.4396G	106.20	Inf	-Inf	73.60	3	Horizontal	34	1.27	-	28.50	4.10	-			
AV	2.44G	105.32	Inf	-Inf	72.72	3	Horizontal	34	1.27	-	28.50	4.10	-			
PK	2.4932G	58.52	74.00	-15.48	25.78	3	Horizontal	34	1.27	-	28.60	4.14	-			
AV	2.4972G	47.82	54.00	-6.18	15.08	3	Horizontal	34	1.27	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(1Mbps)

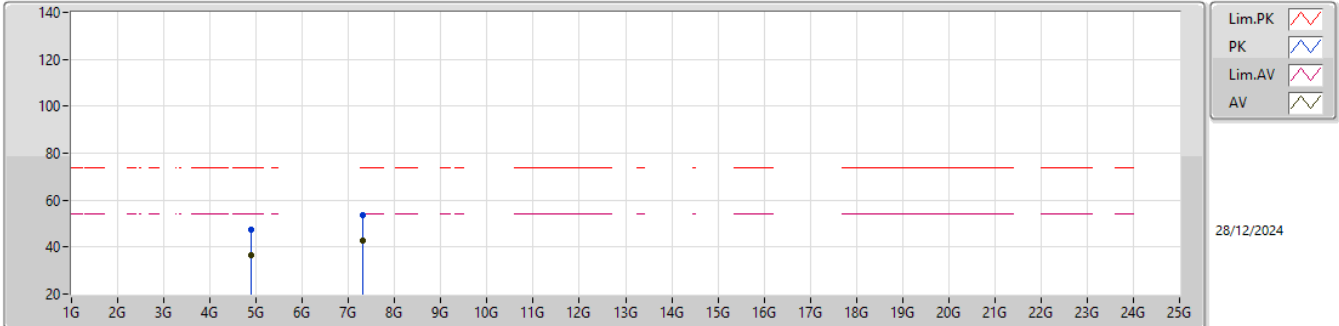
2440MHz_TX


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.87972G	47.41	74.00	-26.59	38.34	3	Vertical	224	1.23	-	33.26	6.81	31.00			
AV	4.88016G	36.77	54.00	-17.23	27.70	3	Vertical	224	1.23	-	33.26	6.81	31.00			
PK	7.31819G	53.58	74.00	-20.42	39.17	3	Vertical	360	2.16	-	36.47	9.37	31.43			
AV	7.32077G	42.60	54.00	-11.40	28.18	3	Vertical	360	2.16	-	36.48	9.37	31.43			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

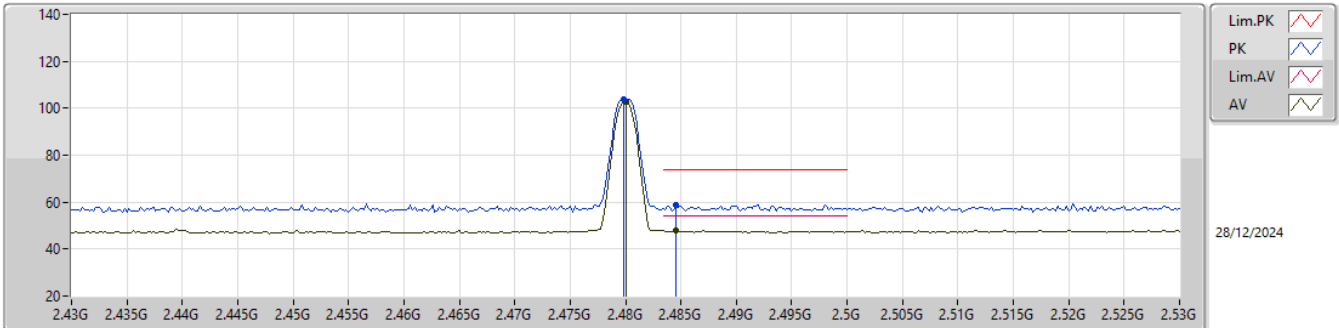


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.8872G	47.57	74.00	-26.43	38.48	3	Horizontal	101	2.14	-	33.27	6.82	31.00			
AV	4.8802G	36.53	54.00	-17.47	27.46	3	Horizontal	101	2.14	-	33.26	6.81	31.00			
PK	7.32196G	53.72	74.00	-20.28	39.29	3	Horizontal	209	1.20	-	36.49	9.37	31.43			
AV	7.32066G	42.59	54.00	-11.41	28.17	3	Horizontal	209	1.20	-	36.48	9.37	31.43			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

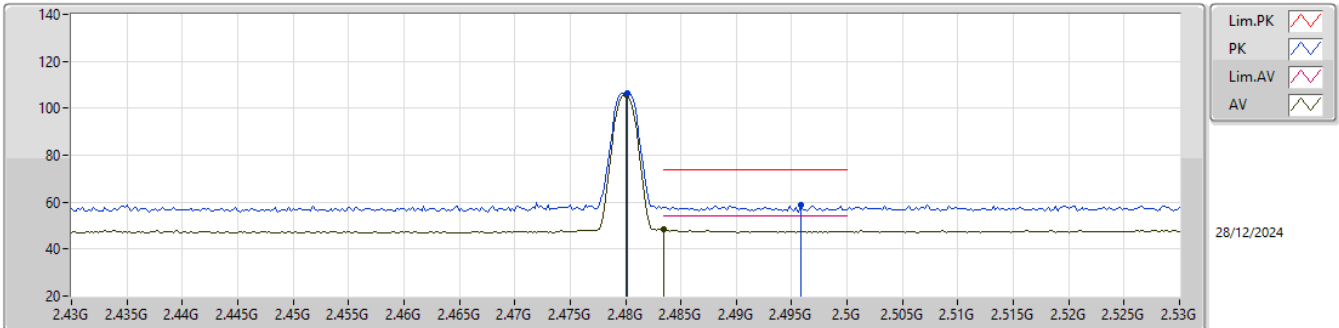


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4798G	103.80	Inf	-Inf	71.07	3	Vertical	116	2.97	-	28.60	4.13	-				
AV	2.48G	102.92	Inf	-Inf	70.19	3	Vertical	116	2.97	-	28.60	4.13	-				
PK	2.4846G	58.80	74.00	-15.20	26.07	3	Vertical	116	2.97	-	28.60	4.13	-				
AV	2.4846G	48.06	54.00	-5.94	15.33	3	Vertical	116	2.97	-	28.60	4.13	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

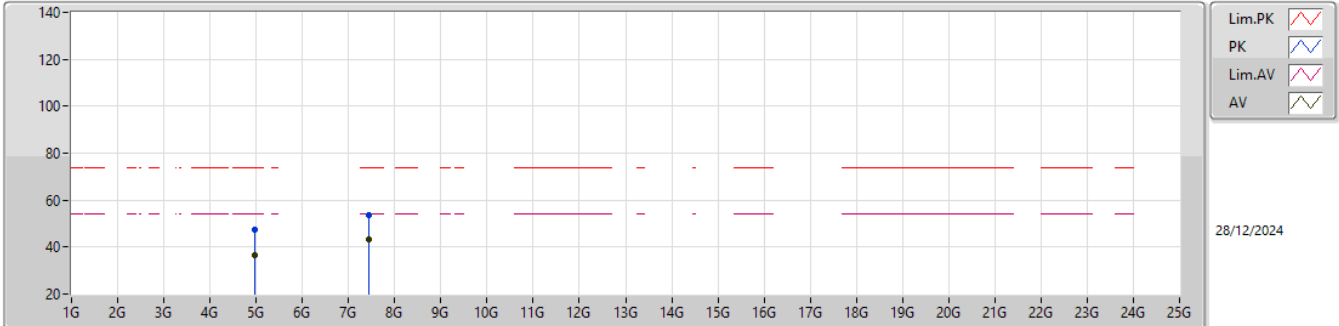


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4802G	106.61	Inf	-Inf	73.88	3	Horizontal	31	1.18	-	28.60	4.13	-				
AV	2.48G	105.70	Inf	-Inf	72.97	3	Horizontal	31	1.18	-	28.60	4.13	-				
PK	2.4958G	58.65	74.00	-15.35	25.91	3	Horizontal	31	1.18	-	28.60	4.14	-				
AV	2.4835G	48.46	54.00	-5.54	15.73	3	Horizontal	31	1.18	-	28.60	4.13	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

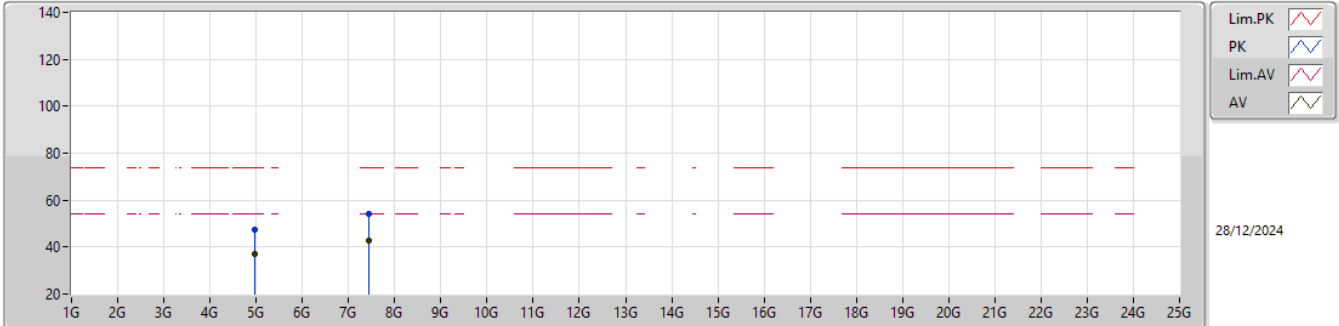


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.9608G	47.49	74.00	-26.51	38.24	3	Vertical	334	2.32	-	33.40	6.86	31.01			
AV	4.96002G	36.61	54.00	-17.39	27.36	3	Vertical	334	2.32	-	33.40	6.86	31.01			
PK	7.44245G	53.85	74.00	-20.15	39.32	3	Vertical	1	1.89	-	36.60	9.36	31.43			
AV	7.4418G	43.03	54.00	-10.97	28.50	3	Vertical	1	1.89	-	36.60	9.36	31.43			

2.4-2.4835GHz_BT-LE(1Mbps)

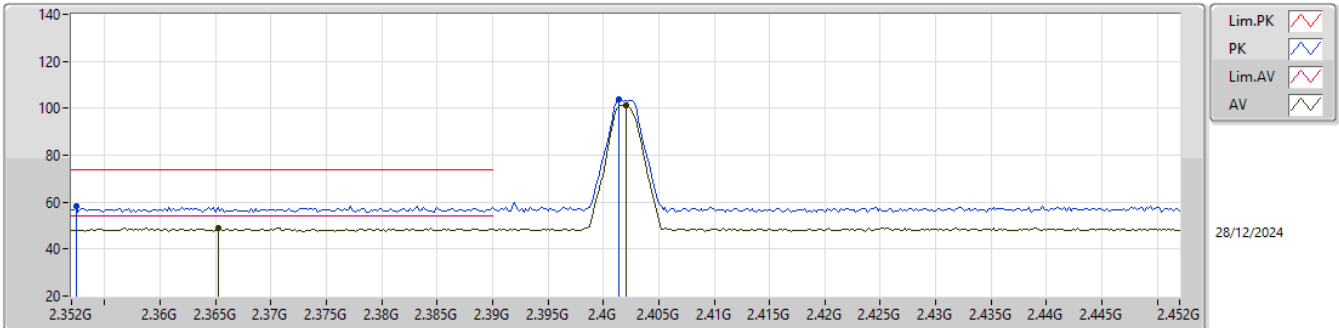
2480MHz_TX


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.95953G	47.52	74.00	-26.48	38.27	3	Horizontal	51	1.99	-	33.40	6.86	31.01			
AV	4.95968G	36.85	54.00	-17.15	27.60	3	Horizontal	51	1.99	-	33.40	6.86	31.01			
PK	7.43998G	54.31	74.00	-19.69	39.78	3	Horizontal	325	1.62	-	36.60	9.36	31.43			
AV	7.43951G	42.93	54.00	-11.07	28.40	3	Horizontal	325	1.62	-	36.60	9.36	31.43			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

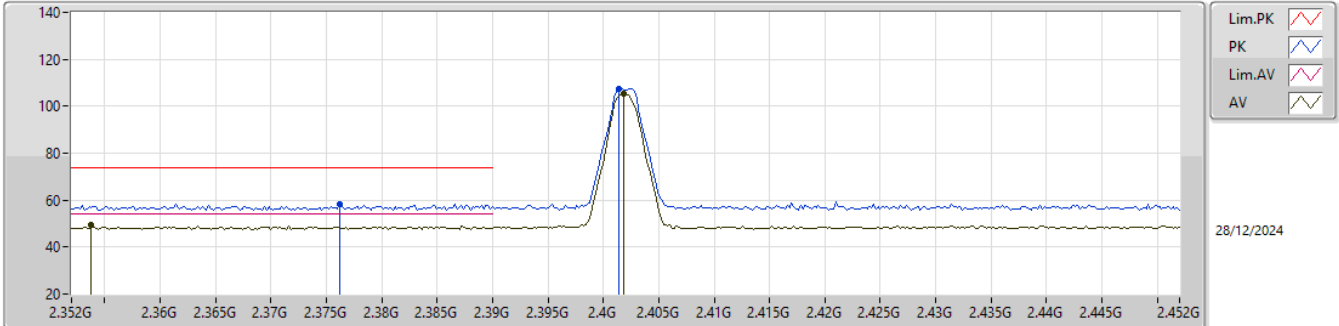


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3524G	58.49	74.00	-15.51	26.13	3	Vertical	122	2.81	-	28.32	4.04	-			
AV	2.3652G	49.14	54.00	-4.86	16.69	3	Vertical	122	2.81	-	28.40	4.05	-			
PK	2.4014G	103.60	Inf	-Inf	71.04	3	Vertical	122	2.81	-	28.49	4.07	-			
AV	2.402G	101.34	Inf	-Inf	68.79	3	Vertical	122	2.81	-	28.48	4.07	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

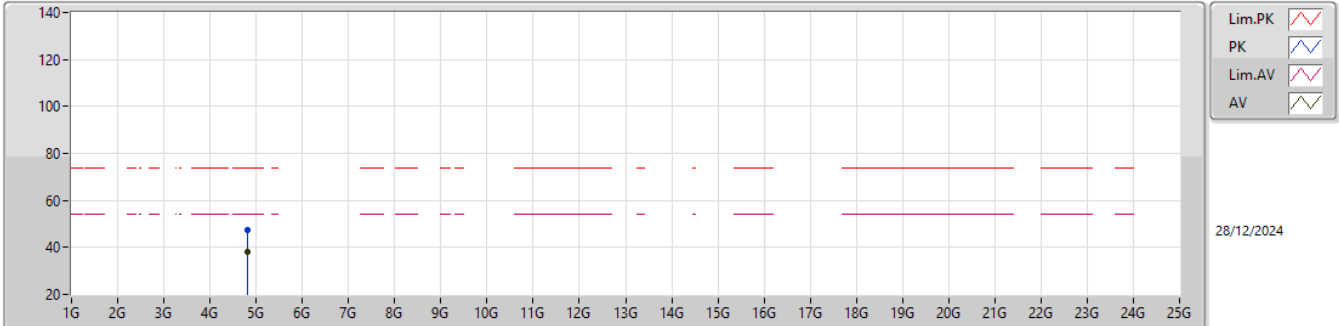


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3762G	58.38	74.00	-15.62	25.93	3	Horizontal	30	2.81	-	28.40	4.05	-				
AV	2.3538G	49.39	54.00	-4.61	17.01	3	Horizontal	30	2.81	-	28.34	4.04	-				
PK	2.4014G	107.34	Inf	-Inf	74.78	3	Horizontal	30	2.81	-	28.49	4.07	-				
AV	2.4018G	105.17	Inf	-Inf	72.62	3	Horizontal	30	2.81	-	28.48	4.07	-				

2.4-2.4835GHz_BT-LE(2Mbps)

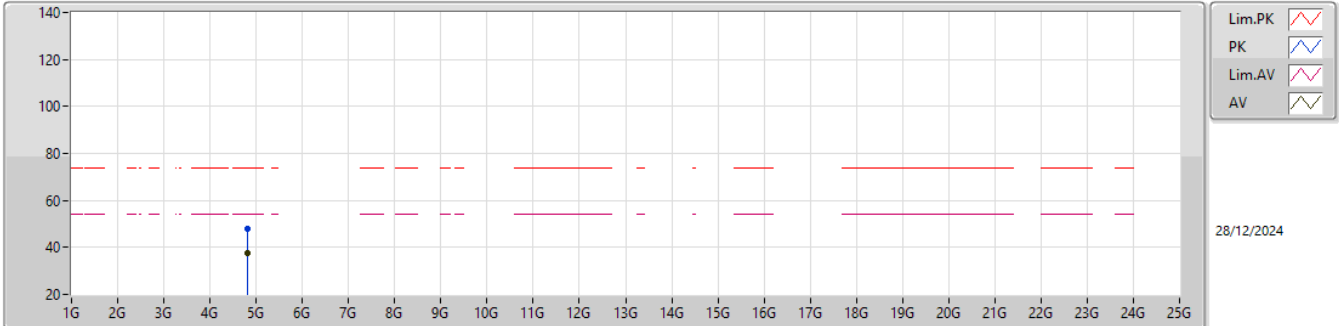
2402MHz_TX


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.80515G	47.41	74.00	-26.59	38.53	3	Vertical	106	1.04	-	33.11	6.77	31.00			
AV	4.80191G	37.89	54.00	-16.11	29.02	3	Vertical	106	1.04	-	33.10	6.77	31.00			

2.4-2.4835GHz_BT-LE(2Mbps)

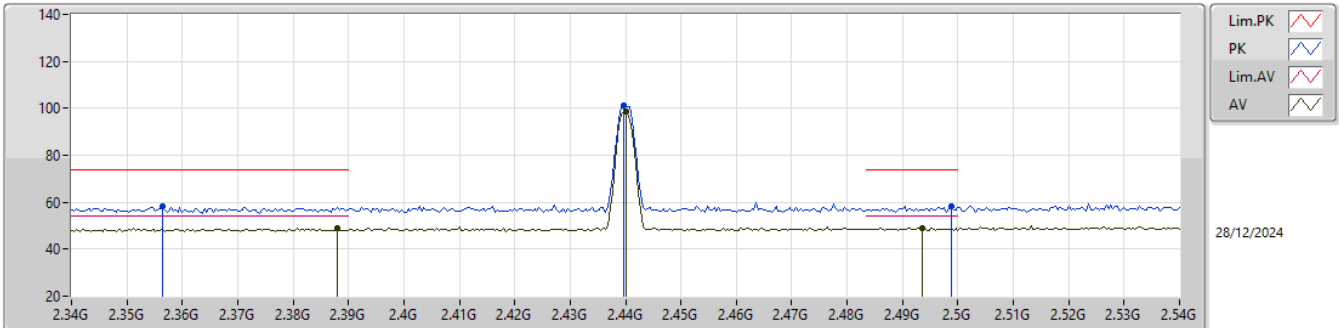
2402MHz_TX


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.80341G	47.68	74.00	-26.32	38.80	3	Horizontal	113	1.98	-	33.11	6.77	31.00			
AV	4.8037G	37.74	54.00	-16.26	28.86	3	Horizontal	113	1.98	-	33.11	6.77	31.00			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

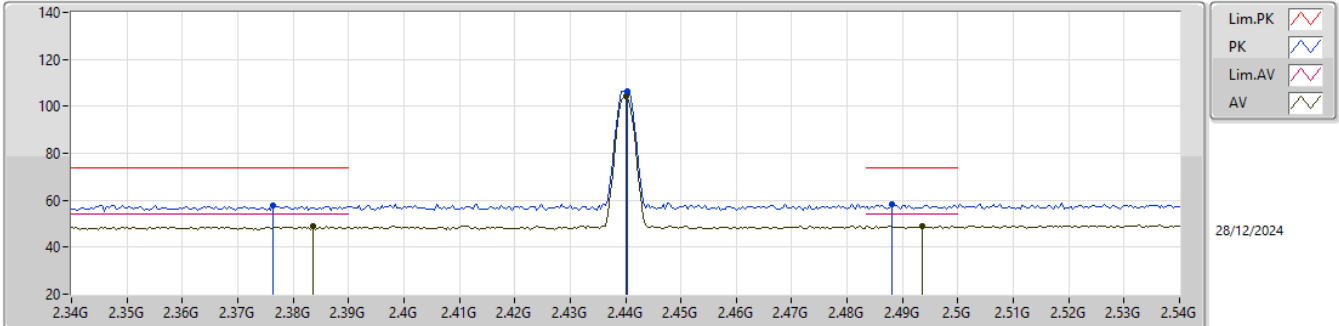


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3564G	58.38	74.00	-15.62	25.98	3	Vertical	111	2.81	-	28.36	4.04	-				
AV	2.388G	49.10	54.00	-4.90	16.56	3	Vertical	111	2.81	-	28.48	4.06	-				
PK	2.4396G	100.99	Inf	-Inf	68.39	3	Vertical	111	2.81	-	28.50	4.10	-				
AV	2.44G	98.74	Inf	-Inf	66.14	3	Vertical	111	2.81	-	28.50	4.10	-				
PK	2.4988G	58.33	74.00	-15.67	25.59	3	Vertical	111	2.81	-	28.60	4.14	-				
AV	2.4936G	49.10	54.00	-4.90	16.36	3	Vertical	111	2.81	-	28.60	4.14	-				

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

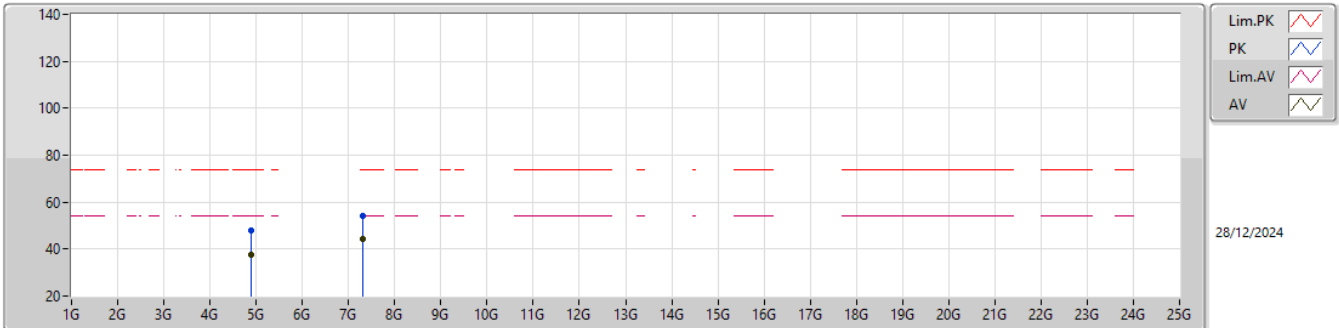


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3764G	58.00	74.00	-16.00	25.55	3	Horizontal	39	1.40	-	28.40	4.05	-			
AV	2.3836G	48.90	54.00	-5.10	16.40	3	Horizontal	39	1.40	-	28.44	4.06	-			
PK	2.4404G	106.44	Inf	-Inf	73.84	3	Horizontal	39	1.40	-	28.50	4.10	-			
AV	2.44G	104.24	Inf	-Inf	71.64	3	Horizontal	39	1.40	-	28.50	4.10	-			
PK	2.488G	58.30	74.00	-15.70	25.56	3	Horizontal	39	1.40	-	28.60	4.14	-			
AV	2.4936G	49.08	54.00	-4.92	16.34	3	Horizontal	39	1.40	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

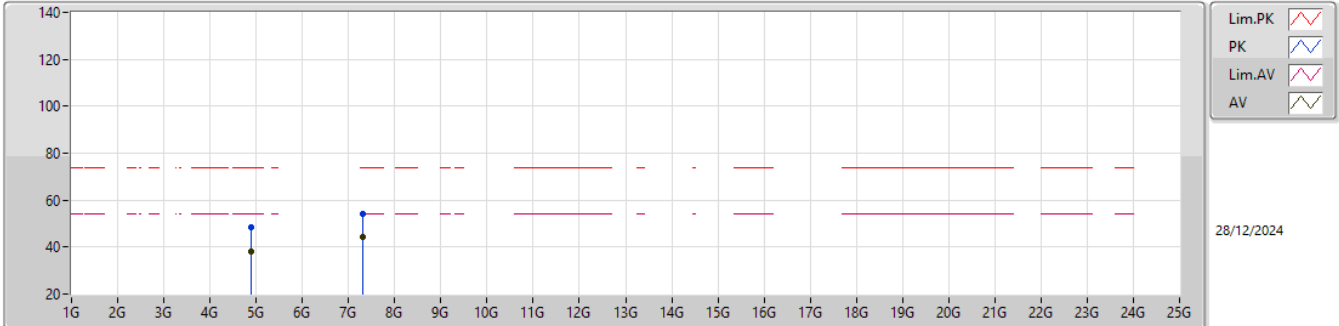


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.87798G	48.10	74.00	-25.90	39.03	3	Vertical	59	1.42	-	33.26	6.81	31.00			
AV	4.87858G	37.83	54.00	-16.17	28.76	3	Vertical	59	1.42	-	33.26	6.81	31.00			
PK	7.32175G	54.06	74.00	-19.94	39.63	3	Vertical	360	1.80	-	36.49	9.37	31.43			
AV	7.31823G	44.34	54.00	-9.66	29.93	3	Vertical	360	1.80	-	36.47	9.37	31.43			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

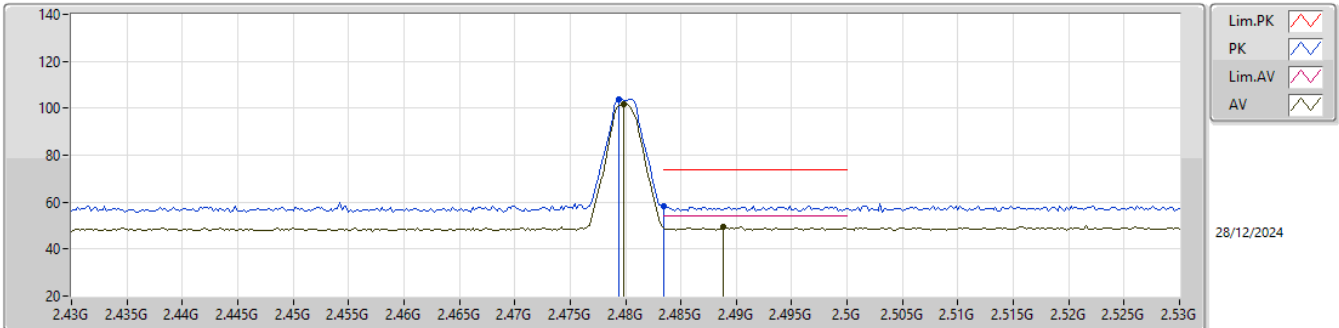


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.87899G	48.23	74.00	-25.77	39.16	3	Horizontal	351	2.68	-	33.26	6.81	31.00			
AV	4.87972G	37.92	54.00	-16.08	28.85	3	Horizontal	351	2.68	-	33.26	6.81	31.00			
PK	7.32136G	53.88	74.00	-20.12	39.45	3	Horizontal	289	1.50	-	36.49	9.37	31.43			
AV	7.31973G	44.36	54.00	-9.64	29.94	3	Horizontal	289	1.50	-	36.48	9.37	31.43			

2.4-2.4835GHz_BT-LE(2Mbps)

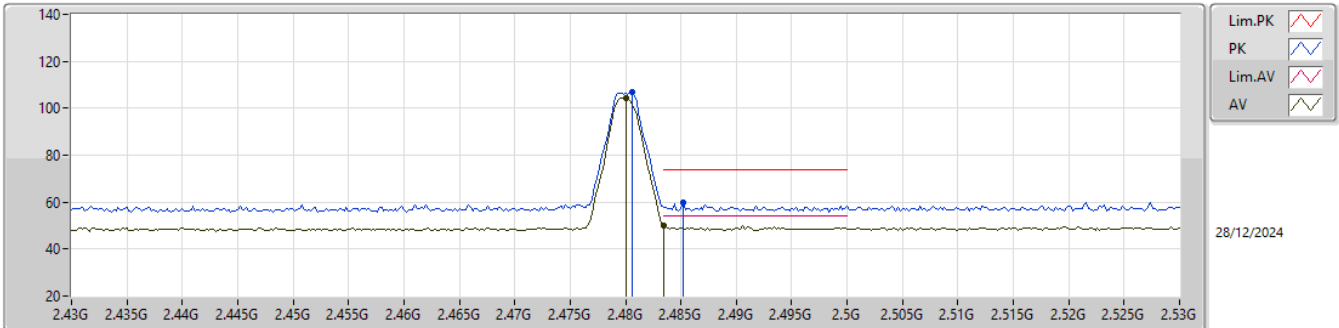
2480MHz_TX


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4794G	103.95	Inf	-Inf	71.23	3	Vertical	118	2.97	-	28.59	4.13	-			
AV	2.4798G	101.81	Inf	-Inf	69.08	3	Vertical	118	2.97	-	28.60	4.13	-			
PK	2.4835G	58.47	74.00	-15.53	25.74	3	Vertical	118	2.97	-	28.60	4.13	-			
AV	2.4888G	49.51	54.00	-4.49	16.77	3	Vertical	118	2.97	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

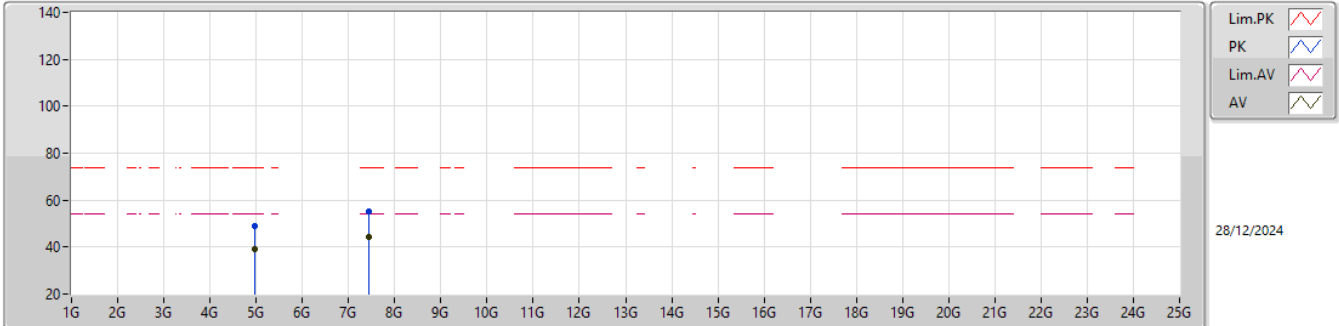


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4806G	106.71	Inf	-Inf	73.98	3	Horizontal	32	1.18	-	28.60	4.13	-				
AV	2.48G	104.51	Inf	-Inf	71.78	3	Horizontal	32	1.18	-	28.60	4.13	-				
PK	2.4852G	59.74	74.00	-14.26	27.01	3	Horizontal	32	1.18	-	28.60	4.13	-				
AV	2.4835G	50.08	54.00	-3.92	17.35	3	Horizontal	32	1.18	-	28.60	4.13	-				

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

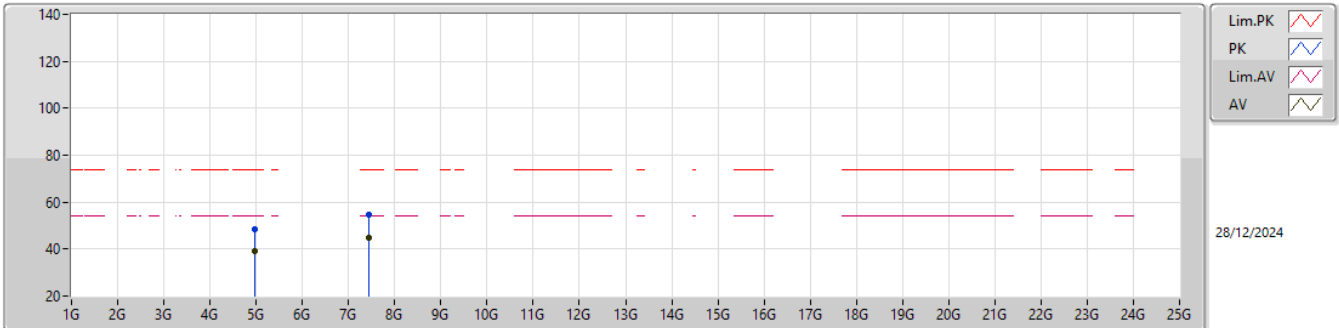


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.96113G	48.84	74.00	-25.16	39.59	3	Vertical	173	3.00	-	33.40	6.86	31.01			
AV	4.96096G	38.93	54.00	-15.07	29.68	3	Vertical	173	3.00	-	33.40	6.86	31.01			
PK	7.44037G	55.31	74.00	-18.69	40.78	3	Vertical	30	1.80	-	36.60	9.36	31.43			
AV	7.43781G	44.54	54.00	-9.46	30.01	3	Vertical	30	1.80	-	36.60	9.36	31.43			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.9609G	48.55	74.00	-25.45	39.30	3	Horizontal	20	1.00	-	33.40	6.86	31.01			
AV	4.96108G	39.22	54.00	-14.78	29.97	3	Horizontal	20	1.00	-	33.40	6.86	31.01			
PK	7.44021G	54.64	74.00	-19.36	40.11	3	Horizontal	143	1.80	-	36.60	9.36	31.43			
AV	7.442G	44.98	54.00	-9.02	30.45	3	Horizontal	143	1.80	-	36.60	9.36	31.43			

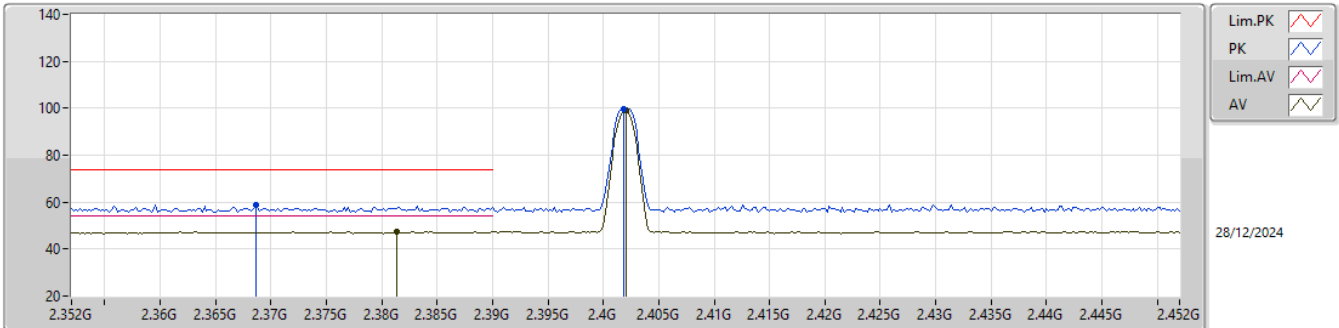


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	AV	2.4835G	51.77	54.00	-2.23	3	Horizontal	350	1.16	-

2.4-2.4835GHz_BT-LE(1Mbps)

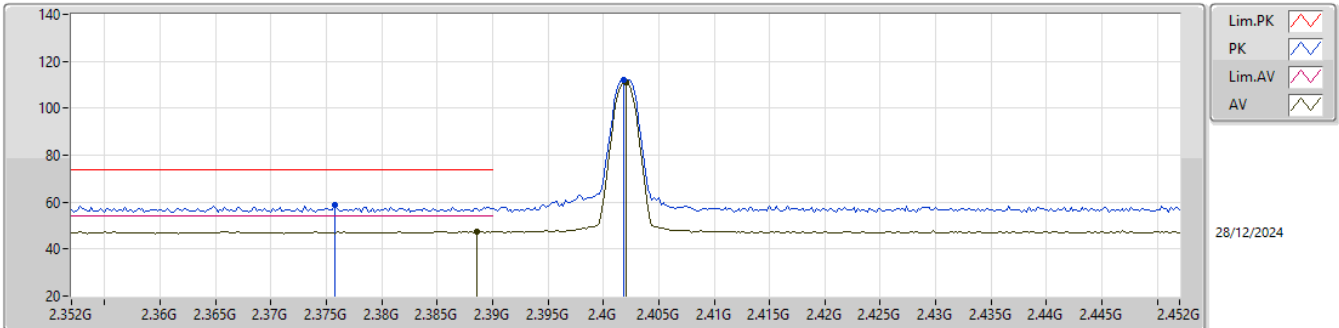
2402MHz_TX


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3686G	58.94	74.00	-15.06	26.49	3	Vertical	192	1.07	-	28.40	4.05	-			
AV	2.3814G	47.43	54.00	-6.57	14.96	3	Vertical	192	1.07	-	28.41	4.06	-			
PK	2.4018G	99.89	Inf	-Inf	67.34	3	Vertical	192	1.07	-	28.48	4.07	-			
AV	2.402G	98.99	Inf	-Inf	66.44	3	Vertical	192	1.07	-	28.48	4.07	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

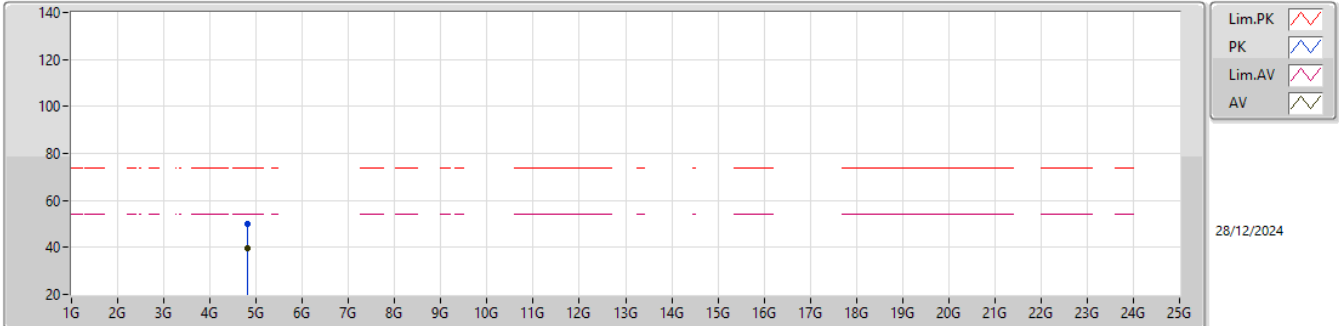


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3758G	58.86	74.00	-15.14	26.41	3	Horizontal	2	1.01	-	28.40	4.05	-			
AV	2.3886G	47.51	54.00	-6.49	14.96	3	Horizontal	2	1.01	-	28.49	4.06	-			
PK	2.4018G	112.02	Inf	-Inf	79.47	3	Horizontal	2	1.01	-	28.48	4.07	-			
AV	2.402G	111.07	Inf	-Inf	78.52	3	Horizontal	2	1.01	-	28.48	4.07	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

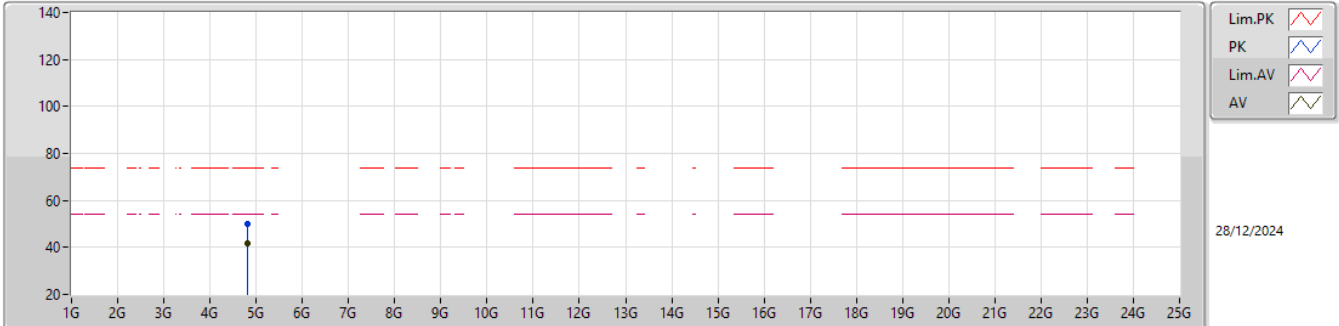


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.80349G	49.93	74.00	-24.07	41.05	3	Vertical	343	2.61	-	33.11	6.77	31.00			
AV	4.80374G	39.90	54.00	-14.10	31.02	3	Vertical	343	2.61	-	33.11	6.77	31.00			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

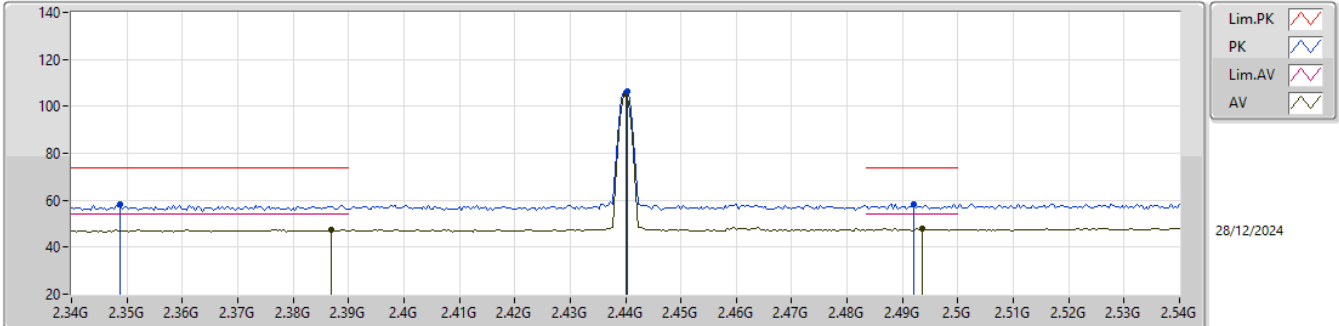


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.80385G	50.04	74.00	-23.96	41.16	3	Horizontal	-0	2.62	-	33.11	6.77	31.00			
AV	4.80352G	41.57	54.00	-12.43	32.69	3	Horizontal	-0	2.62	-	33.11	6.77	31.00			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

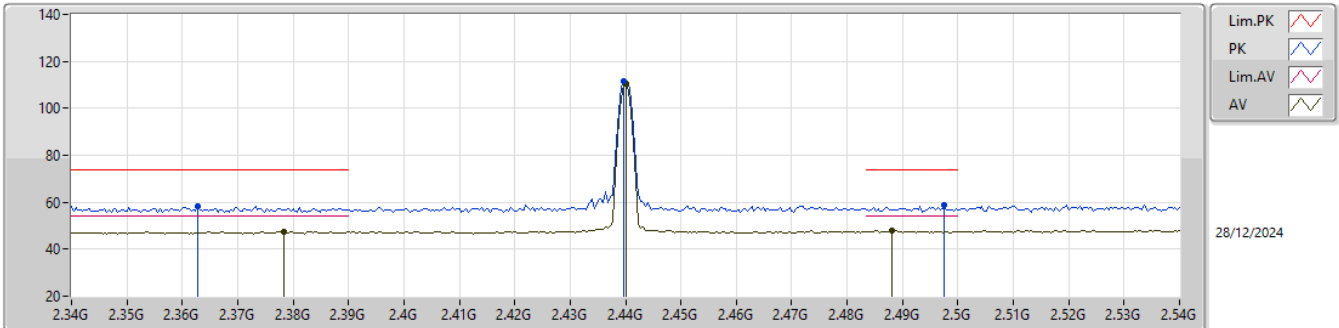


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3488G	58.18	74.00	-15.82	25.85	3	Vertical	246	2.90	-	28.30	4.03	-			
AV	2.3868G	47.32	54.00	-6.68	14.79	3	Vertical	246	2.90	-	28.47	4.06	-			
PK	2.4404G	106.20	Inf	-Inf	73.60	3	Vertical	246	2.90	-	28.50	4.10	-			
AV	2.44G	105.33	Inf	-Inf	72.73	3	Vertical	246	2.90	-	28.50	4.10	-			
PK	2.492G	58.24	74.00	-15.76	25.50	3	Vertical	246	2.90	-	28.60	4.14	-			
AV	2.4936G	47.95	54.00	-6.05	15.21	3	Vertical	246	2.90	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

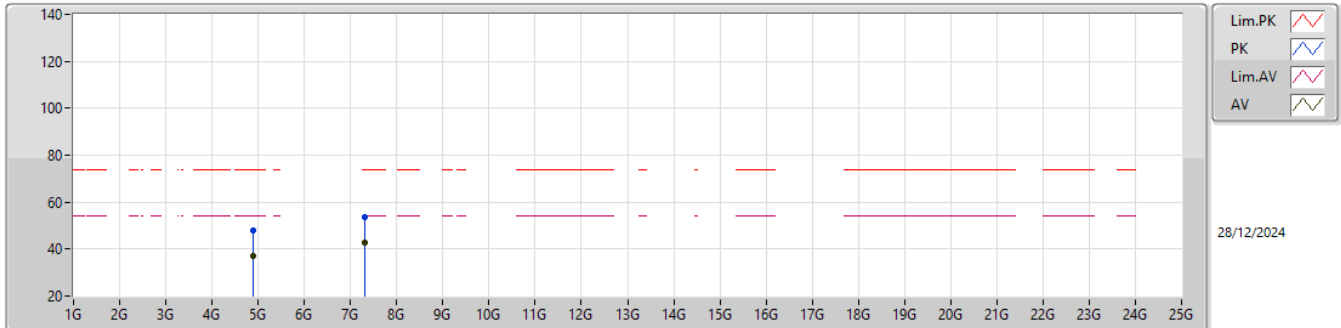


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3628G	58.09	74.00	-15.91	25.65	3	Horizontal	10	1.00	-	28.40	4.04	-			
AV	2.3784G	47.35	54.00	-6.65	14.90	3	Horizontal	10	1.00	-	28.40	4.05	-			
PK	2.4396G	111.47	Inf	-Inf	78.87	3	Horizontal	10	1.00	-	28.50	4.10	-			
AV	2.44G	110.60	Inf	-Inf	78.00	3	Horizontal	10	1.00	-	28.50	4.10	-			
PK	2.4976G	58.90	74.00	-15.10	26.16	3	Horizontal	10	1.00	-	28.60	4.14	-			
AV	2.488G	47.74	54.00	-6.26	15.00	3	Horizontal	10	1.00	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

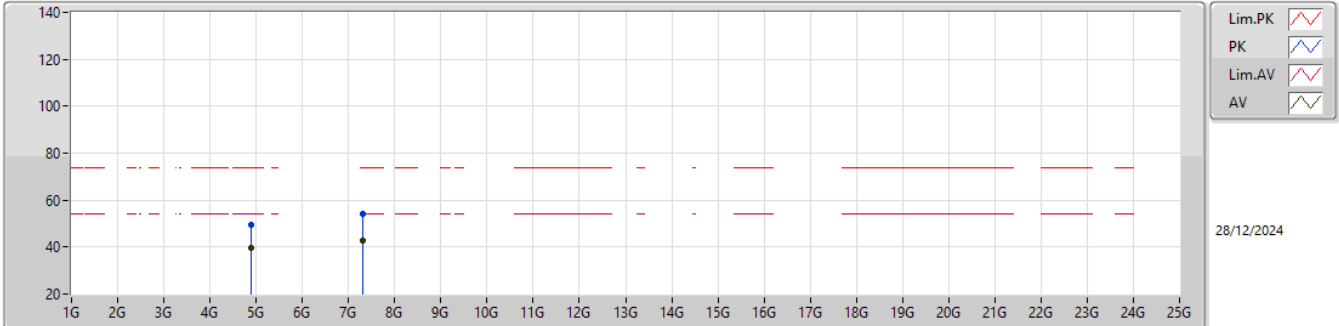


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.87985G	48.02	74.00	-25.98	38.95	3	Vertical	335	1.80	-	33.26	6.81	31.00				
AV	4.87996G	37.07	54.00	-16.93	28.00	3	Vertical	335	1.80	-	33.26	6.81	31.00				
PK	7.31885G	53.80	74.00	-20.20	39.38	3	Vertical	103	1.72	-	36.48	9.37	31.43				
AV	7.31843G	42.54	54.00	-11.46	28.13	3	Vertical	103	1.72	-	36.47	9.37	31.43				

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

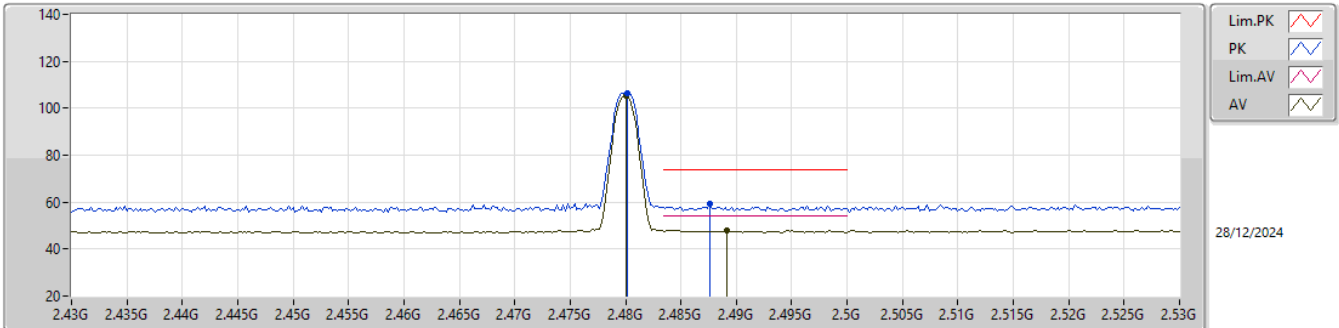


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.88038G	49.38	74.00	-24.62	40.31	3	Horizontal	353	2.82	-	33.26	6.81	31.00			
AV	4.87943G	39.52	54.00	-14.48	30.45	3	Horizontal	353	2.82	-	33.26	6.81	31.00			
PK	7.3185G	54.38	74.00	-19.62	39.97	3	Horizontal	141	1.80	-	36.47	9.37	31.43			
AV	7.32098G	42.94	54.00	-11.06	28.52	3	Horizontal	141	1.80	-	36.48	9.37	31.43			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

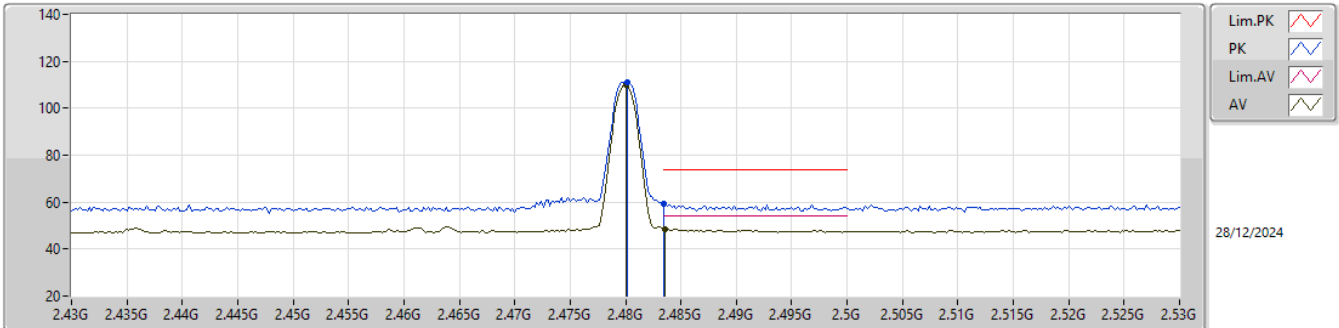


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4802G	106.32	Inf	-Inf	73.59	3	Vertical	244	2.78	-	28.60	4.13	-			
AV	2.48G	105.44	Inf	-Inf	72.71	3	Vertical	244	2.78	-	28.60	4.13	-			
PK	2.4876G	59.24	74.00	-14.76	26.50	3	Vertical	244	2.78	-	28.60	4.14	-			
AV	2.4892G	47.96	54.00	-6.04	15.22	3	Vertical	244	2.78	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

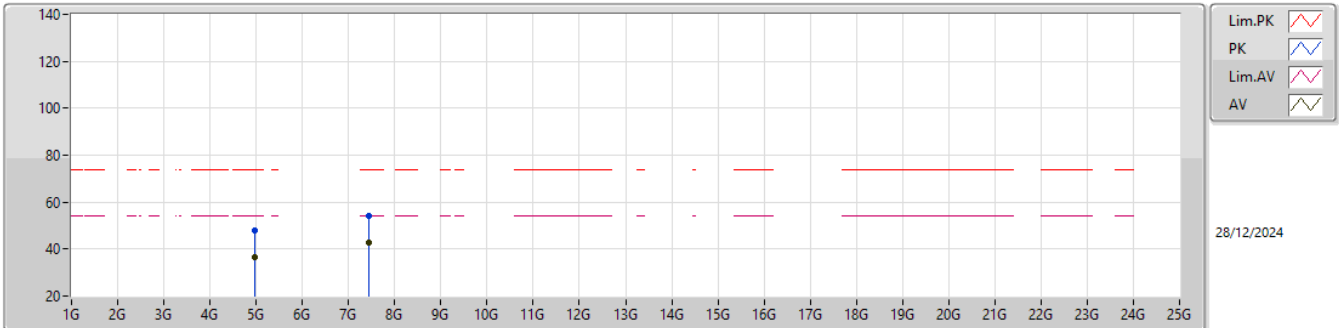


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4802G	110.86	Inf	-Inf	78.13	3	Horizontal	342	1.15	-	28.60	4.13	-				
AV	2.48G	109.99	Inf	-Inf	77.26	3	Horizontal	342	1.15	-	28.60	4.13	-				
PK	2.4835G	59.51	74.00	-14.49	26.78	3	Horizontal	342	1.15	-	28.60	4.13	-				
AV	2.4836G	48.51	54.00	-5.49	15.78	3	Horizontal	342	1.15	-	28.60	4.13	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

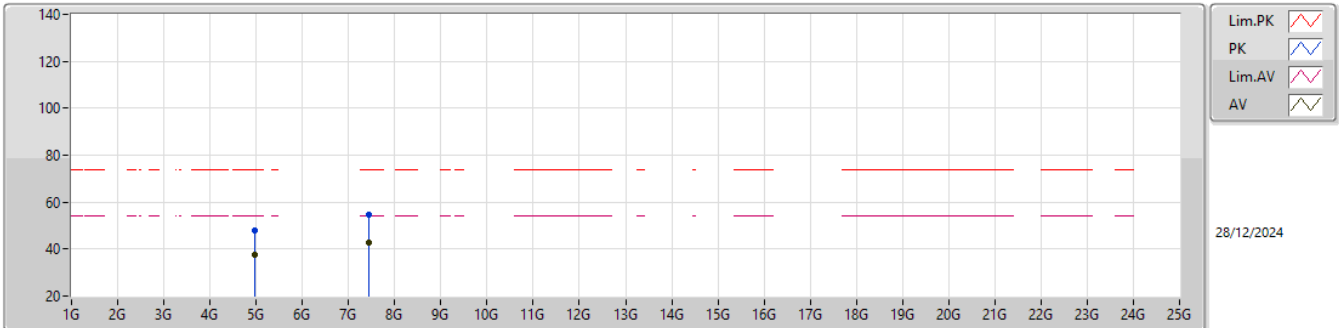


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.96074G	47.77	74.00	-26.23	38.52	3	Vertical	166	2.85	-	33.40	6.86	31.01			
AV	4.96031G	36.68	54.00	-17.32	27.43	3	Vertical	166	2.85	-	33.40	6.86	31.01			
PK	7.44241G	53.95	74.00	-20.05	39.42	3	Vertical	297	1.32	-	36.60	9.36	31.43			
AV	7.44112G	42.87	54.00	-11.13	28.34	3	Vertical	297	1.32	-	36.60	9.36	31.43			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

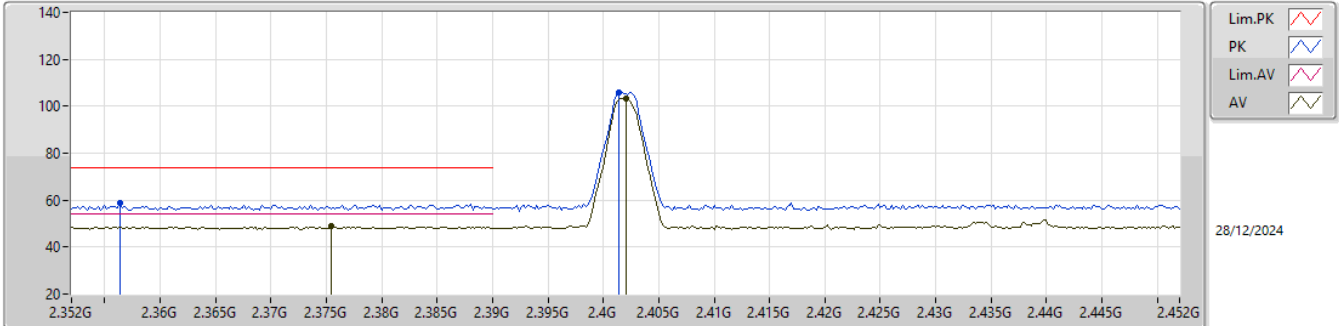


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.96047G	47.98	74.00	-26.02	38.73	3	Horizontal	4	2.91	-	33.40	6.86	31.01			
AV	4.95984G	37.48	54.00	-16.52	28.23	3	Horizontal	4	2.91	-	33.40	6.86	31.01			
PK	7.44121G	54.62	74.00	-19.38	40.09	3	Horizontal	48	1.80	-	36.60	9.36	31.43			
AV	7.44211G	42.88	54.00	-11.12	28.35	3	Horizontal	48	1.80	-	36.60	9.36	31.43			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

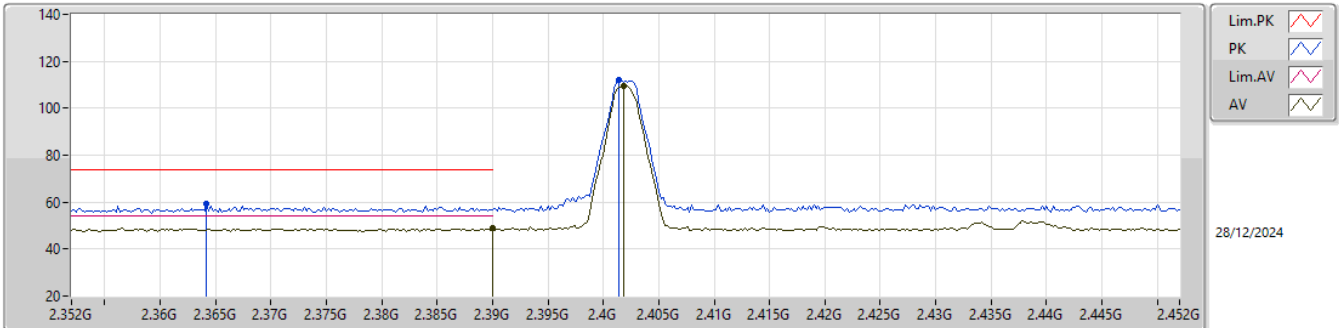


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3564G	58.86	74.00	-15.14	26.46	3	Vertical	249	3.00	-	28.36	4.04	-			
AV	2.3754G	48.71	54.00	-5.29	16.26	3	Vertical	249	3.00	-	28.40	4.05	-			
PK	2.4014G	105.75	Inf	-Inf	73.19	3	Vertical	249	3.00	-	28.49	4.07	-			
AV	2.402G	103.53	Inf	-Inf	70.98	3	Vertical	249	3.00	-	28.48	4.07	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

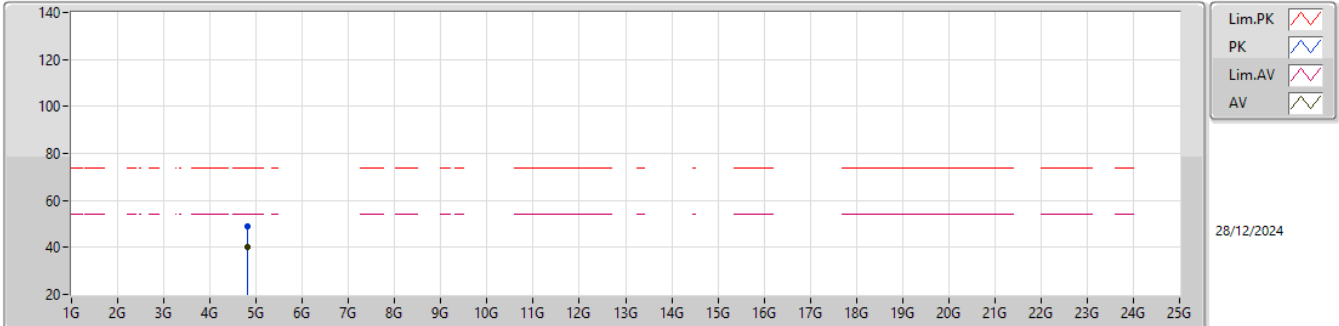


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3642G	59.12	74.00	-14.88	26.68	3	Horizontal	3	1.98	-	28.40	4.04	-				
AV	2.39G	48.94	54.00	-5.06	16.38	3	Horizontal	3	1.98	-	28.50	4.06	-				
PK	2.4014G	111.90	Inf	-Inf	79.34	3	Horizontal	3	1.98	-	28.49	4.07	-				
AV	2.4018G	109.54	Inf	-Inf	76.99	3	Horizontal	3	1.98	-	28.48	4.07	-				

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

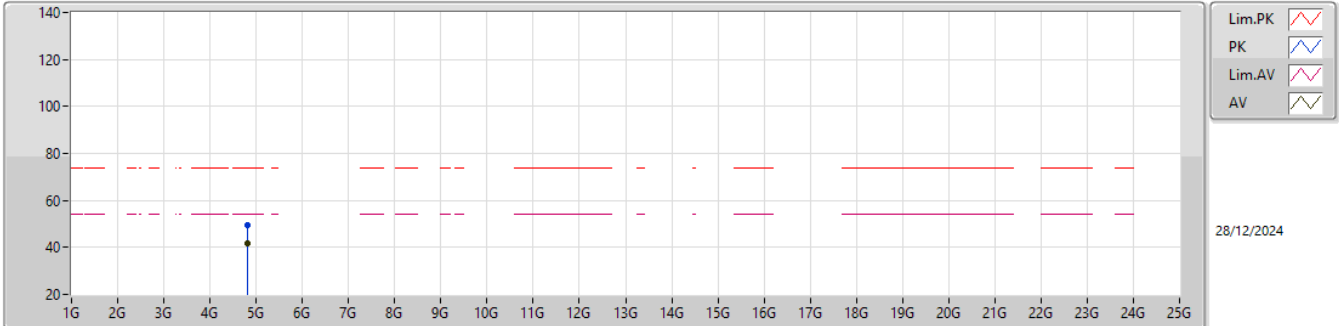


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.80282G	48.88	74.00	-25.12	40.00	3	Vertical	5	2.85	-	33.11	6.77	31.00			
AV	4.80298G	40.13	54.00	-13.87	31.25	3	Vertical	5	2.85	-	33.11	6.77	31.00			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

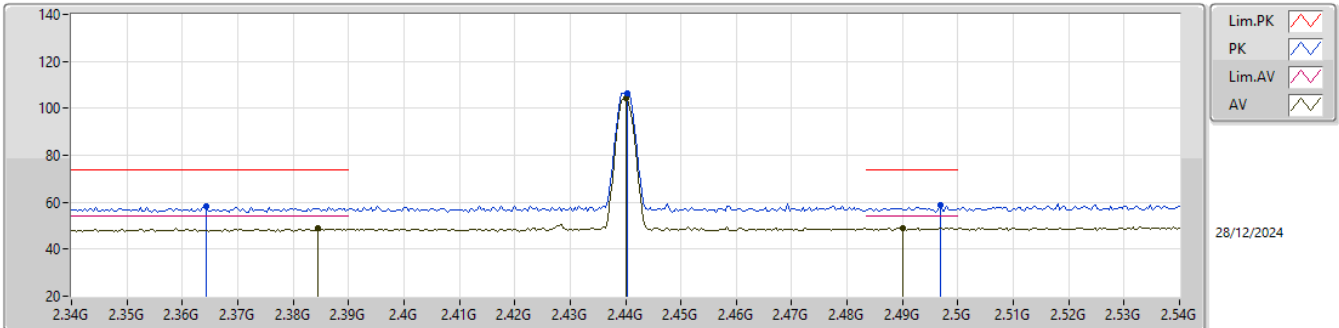


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.80506G	49.71	74.00	-24.29	40.83	3	Horizontal	-0	2.89	-	33.11	6.77	31.00			
AV	4.803G	41.56	54.00	-12.44	32.68	3	Horizontal	-0	2.89	-	33.11	6.77	31.00			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

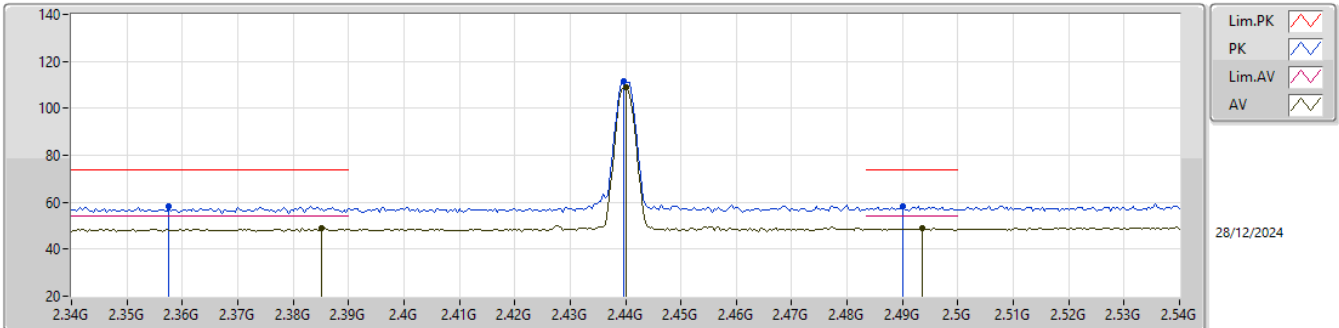


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3644G	58.14	74.00	-15.86	25.69	3	Vertical	247	2.90	-	28.40	4.05	-			
AV	2.3844G	48.74	54.00	-5.26	16.24	3	Vertical	247	2.90	-	28.44	4.06	-			
PK	2.4404G	106.47	Inf	-Inf	73.87	3	Vertical	247	2.90	-	28.50	4.10	-			
AV	2.44G	104.32	Inf	-Inf	71.72	3	Vertical	247	2.90	-	28.50	4.10	-			
PK	2.4968G	58.63	74.00	-15.37	25.89	3	Vertical	247	2.90	-	28.60	4.14	-			
AV	2.49G	49.09	54.00	-4.91	16.35	3	Vertical	247	2.90	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

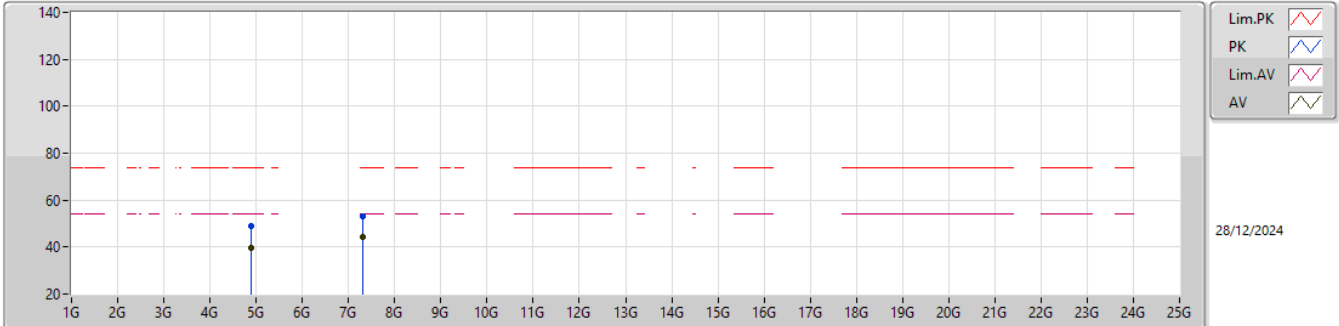


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3576G	58.15	74.00	-15.85	25.73	3	Horizontal	-0	1.24	-	28.38	4.04	-			
AV	2.3852G	48.97	54.00	-5.03	16.46	3	Horizontal	-0	1.24	-	28.45	4.06	-			
PK	2.4396G	111.35	Inf	-Inf	78.75	3	Horizontal	-0	1.24	-	28.50	4.10	-			
AV	2.44G	109.16	Inf	-Inf	76.56	3	Horizontal	-0	1.24	-	28.50	4.10	-			
PK	2.49G	58.15	74.00	-15.85	25.41	3	Horizontal	-0	1.24	-	28.60	4.14	-			
AV	2.4936G	49.22	54.00	-4.78	16.48	3	Horizontal	-0	1.24	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

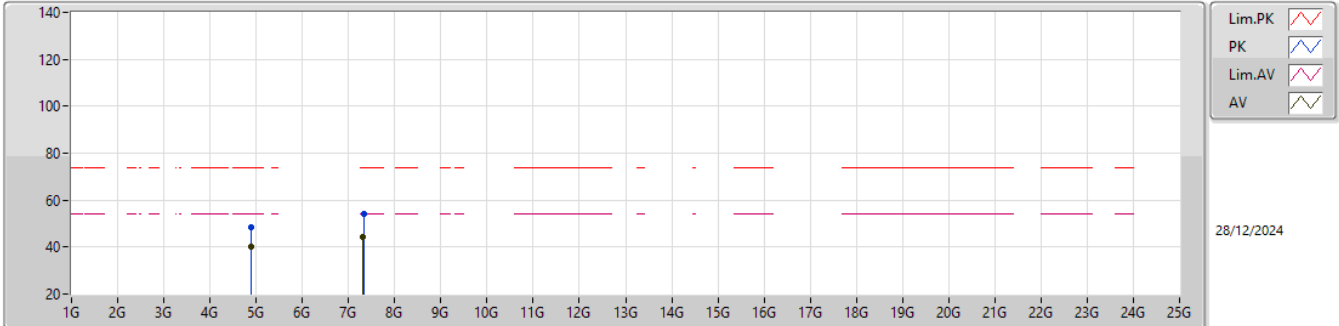


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.87873G	49.09	74.00	-24.91	40.02	3	Vertical	302	2.31	-	33.26	6.81	31.00			
AV	4.87902G	39.49	54.00	-14.51	30.42	3	Vertical	302	2.31	-	33.26	6.81	31.00			
PK	7.31764G	53.35	74.00	-20.65	38.94	3	Vertical	283	2.43	-	36.47	9.37	31.43			
AV	7.31804G	44.38	54.00	-9.62	29.97	3	Vertical	283	2.43	-	36.47	9.37	31.43			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

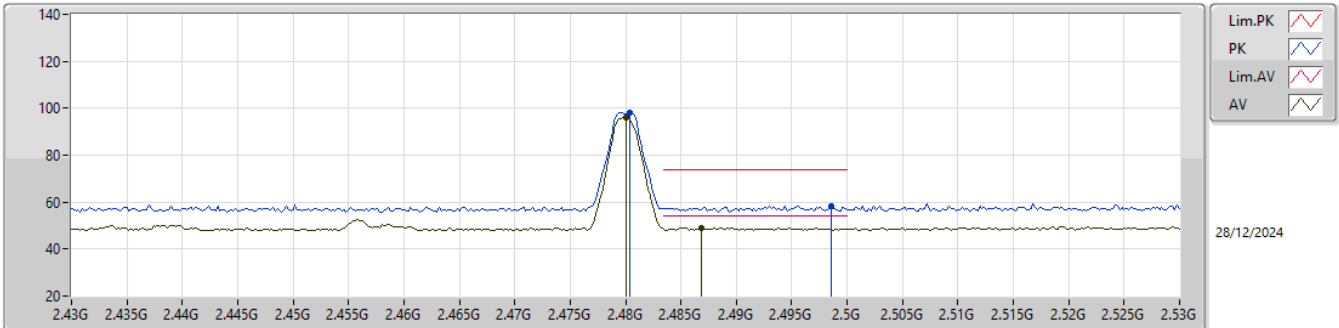


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.87959G	48.65	74.00	-25.35	39.58	3	Horizontal	2	2.98	-	33.26	6.81	31.00			
AV	4.87882G	40.27	54.00	-13.73	31.20	3	Horizontal	2	2.98	-	33.26	6.81	31.00			
PK	7.32209G	54.06	74.00	-19.94	39.63	3	Horizontal	138	1.80	-	36.49	9.37	31.43			
AV	7.31877G	44.12	54.00	-9.88	29.70	3	Horizontal	138	1.80	-	36.48	9.37	31.43			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

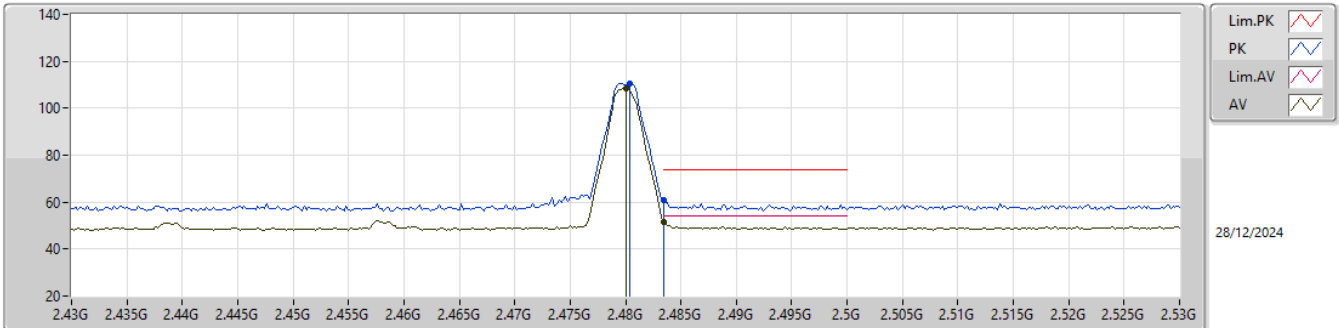


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4804G	98.18	Inf	-Inf	65.45	3	Vertical	177	1.54	-	28.60	4.13	-			
AV	2.48G	95.96	Inf	-Inf	63.23	3	Vertical	177	1.54	-	28.60	4.13	-			
PK	2.4986G	58.25	74.00	-15.75	25.51	3	Vertical	177	1.54	-	28.60	4.14	-			
AV	2.4868G	49.09	54.00	-4.91	16.35	3	Vertical	177	1.54	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

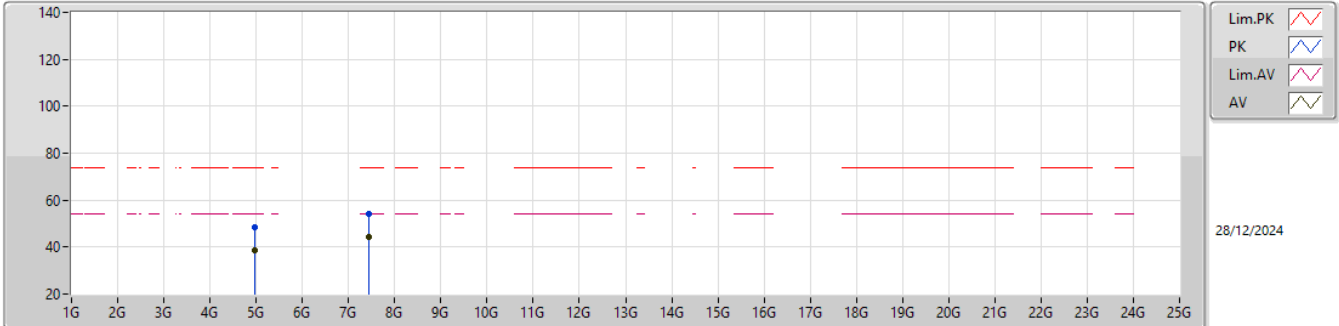


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4804G	110.61	Inf	-Inf	77.88	3	Horizontal	350	1.16	-	28.60	4.13	-			
AV	2.48G	108.43	Inf	-Inf	75.70	3	Horizontal	350	1.16	-	28.60	4.13	-			
PK	2.4835G	61.01	74.00	-12.99	28.28	3	Horizontal	350	1.16	-	28.60	4.13	-			
AV	2.4835G	51.77	54.00	-2.23	19.04	3	Horizontal	350	1.16	-	28.60	4.13	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

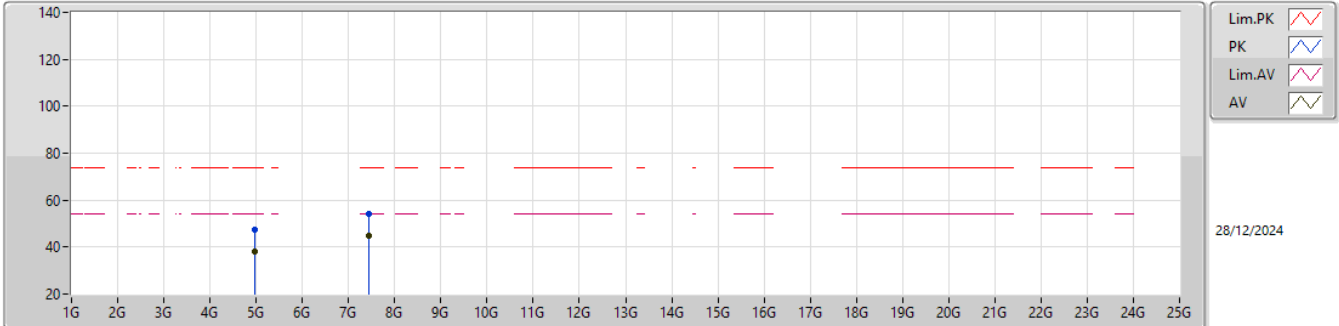


EUT_Z_1TX
Setting 10
02-V-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.95932G	48.49	74.00	-25.51	39.24	3	Vertical	86	1.37	-	33.40	6.86	31.01			
AV	4.95961G	38.40	54.00	-15.60	29.15	3	Vertical	86	1.37	-	33.40	6.86	31.01			
PK	7.43822G	54.23	74.00	-19.77	39.70	3	Vertical	7	2.73	-	36.60	9.36	31.43			
AV	7.43849G	44.47	54.00	-9.53	29.94	3	Vertical	7	2.73	-	36.60	9.36	31.43			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



EUT_Z_1TX
Setting 10
02-V-P-5

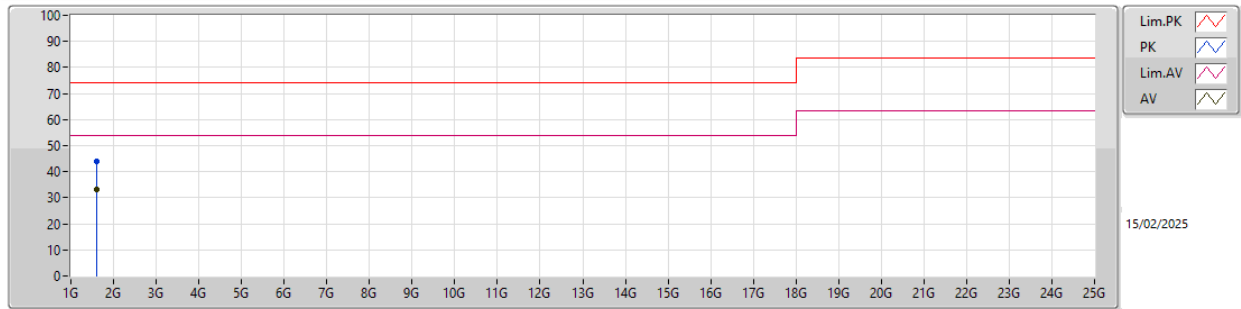
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.95751G	47.24	74.00	-26.76	37.99	3	Horizontal	323	1.58	-	33.40	6.86	31.01			
AV	4.95916G	38.21	54.00	-15.79	28.96	3	Horizontal	323	1.58	-	33.40	6.86	31.01			
PK	7.43808G	53.89	74.00	-20.11	39.36	3	Horizontal	164	2.80	-	36.60	9.36	31.43			
AV	7.43753G	44.74	54.00	-9.26	30.21	3	Horizontal	164	2.80	-	36.60	9.36	31.43			



Summary

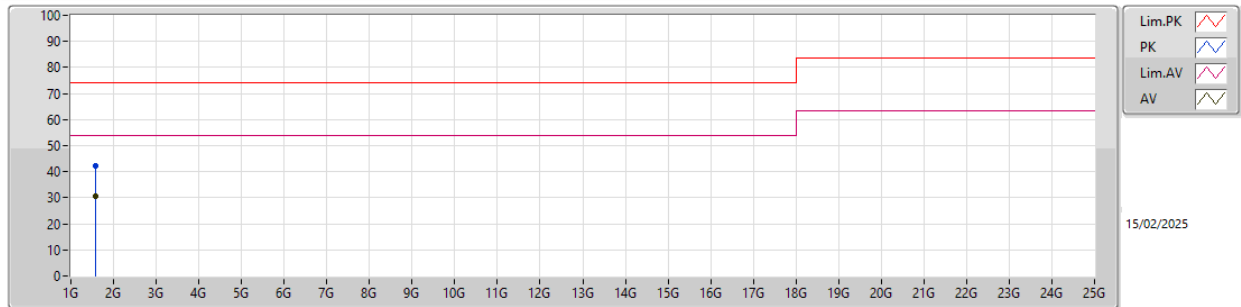
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	AV	1.59501G	33.01	54.00	-20.99	Vertical

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	1.59424G	44.10	74.00	-29.90	-16.73	3	Vertical	112	1.66	-	60.83	25.36	2.79	44.88		
AV	1.59501G	33.01	54.00	-20.99	-16.74	3	Vertical	112	1.66	"Worst"	49.75	25.35	2.79	44.88		

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	1.59016G	42.21	74.00	-31.79	-16.69	3	Horizontal	200	1.00	-	58.90	25.40	2.79	44.88		
AV	1.59103G	30.52	54.00	-23.48	-16.70	3	Horizontal	200	1.00	"Worst"	47.22	25.39	2.79	44.88		