

FCC Radio Test Report

FCC ID : M82-AIW-172
Equipment : Wi-Fi 7 AIW-172 module
Brand Name : ADVANTECH
Model Name : AIW-172BQ-GI1, AIW-172BQ-GC1
Applicant : Advantech Co Ltd
No. 1, Alley 20, Lane 26, Rueiguang Road Neihu District,
Taipei, 114 Taiwan
Manufacturer : Advantech Co., Ltd.
No. 1, Alley 20, Lane 26, Rueiguang Road Neihu District,
Taipei, 114 Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Nov. 21, 2025, and testing was started from Mar. 28, 2026 and completed on Jun. 11, 2026. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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History of this test report

TEL : 886-3-3273456
FAX : 886-3-3270973
Report Template No.: HE1-C10 Ver4.5
FCC ID: M82-AIW-172

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	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

None

Reviewed by: Ben Tseng

Report Producer: Amber Chiu

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]

Dipole / PIFA

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-LE(125kbps)	1.0	2TX
2.4-2.4835GHz	BT-LE(500kbps)	1.0	2TX
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	2TX
2.4-2.4835GHz	BT-LE(2Mbps)	2.0	2TX

Note:

- ♦ Bluetooth LE uses a GFSK (1Mbps/2Mbps/125kbps/500kbps) modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Bluetooth LE 125k/500k/1Mbps uses the same modulation, and 1Mbps was found to be the worst case scenario which was performed full test and recorded in this test report.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Advantech	AIW-512-I	Dipole	Reverse SMA	2.4G+5G+6G+BT	-
2	Advantech	AIW-512-C	Dipole	Reverse SMA	2.4G+5G+6G+BT	-
3	Advantech	AIW-511	Dipole	Reverse SMA	2.4G+5G+6G+BT	-
4	Advantech	AIW-513	Dipole	Reverse SMA	2.4G+5G+6G+BT	-
5	Advantech	AIW-514	Dipole	Reverse SMA	2.4G+5G+6G+BT	-
6	Advantech	AIW-515	PIFA	Reverse SMA	2.4G+5G+6G+BT	-
7	Advantech	RFA-27-JP818P2-4B500	PIFA	IPEX4	2.4G+5G+6G+BT	-
8	Advantech	RFA-27-AP570-4B-C191	Dipole	IPEX4	2.4G+5G+6G+BT	-

Ant.	Port	Gain (dBi)			
		2.4G	5G	6G	BT
1-1	1	2.87	3.11	3.22	2.87
1-2	2	2.87	3.11	3.22	2.87
2-1	1	2.87	3.11	3.22	2.87
2-2	2	2.87	3.11	3.22	2.87
3-1	1	2.28	2.64	3.28	2.28
3-2	2	2.28	2.64	3.28	2.28
4-1	1	1.48	3.58	4.04	1.48
4-2	2	1.48	3.58	4.04	1.48
5	1	1.59	2.19	1.66	1.59
	2	1.58	2.56	2.99	1.58
6	1	1.56	2.36	1.89	1.56
	2	1.58	3.02	2.87	1.58
7-1	1	3.51	4.79	5.08	3.51
7-2	2	3.51	4.79	5.08	3.51
8-1	1	2.6	4.75	4.89	2.6
8-2	2	2.6	4.75	4.89	2.6

For 2.4GHz function:

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

Ant. 1-1 and Ant 1-2 or Ant 2-1 and Ant 2-2 or Ant 3-1 and Ant 3-2 or Ant 4-1 and Ant 4-2 or Ant 5 or Ant 6 or Ant 7-1 and Ant 7-2 or Ant 8-1 and Ant 8-2 could transmit/receive simultaneously.

For 5GHz function:

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

Ant. 1-1 and Ant 1-2 or Ant 2-1 and Ant 2-2 or Ant 3-1 and Ant 3-2 or Ant 4-1 and Ant 4-2 or Ant 5 or Ant 6 or Ant 7-1 and Ant 7-2 or Ant 8-1 and Ant 8-2 could transmit/receive simultaneously.

For 6GHz function:

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

Ant. 1-1 and Ant 1-2 or Ant 2-1 and Ant 2-2 or Ant 3-1 and Ant 3-2 or Ant 4-1 and Ant 4-2 or Ant 5 or Ant 6 or Ant 7-1 and Ant 7-2 or Ant 8-1 and Ant 8-2 could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (2TX/2RX)

Ant. 1-1 and Ant 1-2 or Ant 2-1 and Ant 2-2 or Ant 3-1 and Ant 3-2 or Ant 4-1 and Ant 4-2 or Ant 5 or Ant 6 or Ant 7-1 and Ant 7-2 or Ant 8-1 and Ant 8-2 could transmit/receive simultaneously.

Note 1: Directional gain information

	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{CH}} g_{j,k} ^2 \right)}{N_{ANT}} \right]$
BF	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{CH}} g_{j,k} ^2 \right)}{N_{ANT}} \right]$	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{CH}} g_{j,k} ^2 \right)}{N_{ANT}} \right]$

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From Fixture		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.: ...		
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.: ...		
☐	Other: ...		

1.1.4 Mode Test Duty Cycle
Dipole

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-LE(1Mbps)	0.633	1.99	395.625u	3k
BT-LE(2Mbps)	0.338	4.71	211.875u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

PIFA

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-LE(1Mbps)	0.633	1.99	395.625u	3k
BT-LE(2Mbps)	0.338	4.71	211.875u	5k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.1.5 Table for Multiple Listing

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

Model Name	Operating Temperature	BT interface
AIW-172BQ-GI1	-40°C~85°	UART
AIW-172BQ-GC1	0~70°C	USB

From the above models, AIW-172BQ-GI1 was selected as representative model for the test and its data was recorded in this report.

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024

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

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.) TEL: 886-3-327-3456 FAX: 886-3-327-0973			
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Lego Lin	18.2~19.2°C / 57~60%	17/Apr/2026
RF Conducted	TH07-HY	Yulin Chen	23.8~24.6°C / 52~59%	28/Mar/2026~20/May/2026
Radiated_Dipole	03CH02-HY	Simon Cheng	22.2~23.4°C / 50~52%	04/Jun/2026~09/Jun/2026
Radiated_PIFA	03CH02-HY	Simon Cheng	23.4~24.5°C / 52~55%	04/Jun/2026~09/Jun/2026
Radiated_ Co-location	03CH02-HY	Simon Cheng	17.5~19.2°C / 57~61%	10/Jun/2026~11/Jun/2026
☐ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: 886-3-318-0787 FAX: 886-3-318-0287			
Test site Designation No. TW0008 with FCC.				

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
AC Power-line Conducted Emissions	3.24 dB	Confidence levels of 95%
Conducted Output Power	1.12 dB	Confidence levels of 95%
Bandwidth	0.07 MHz	Confidence levels of 95%
Conducted Emission	1.12 dB	Confidence levels of 95%
Power Spectral Density	1.22 dB	Confidence levels of 95%
Radiated Emission (9 kHz ~ 30 MHz)	1.76 dB	Confidence levels of 95%
Radiated Emission (30 MHz ~ 1 GHz)	5.38 dB	Confidence levels of 95%
Radiated Emission (1 GHz ~ 18 GHz)	4.94 dB	Confidence levels of 95%
Radiated Emission (18 GHz ~ 40 GHz)	4.92 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Qualcomm Radio Control Toolkit v4.1 Version 4.0.172.2
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Dipole

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default
BT-LE(2Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default

PIFA

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default
BT-LE(2Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default

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	Fixture mode

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	Fixture mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	Z Plane
	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
3	Bluetooth+WLAN 6GHz
Refer to Sporton Test Report No.: FA5N2104 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

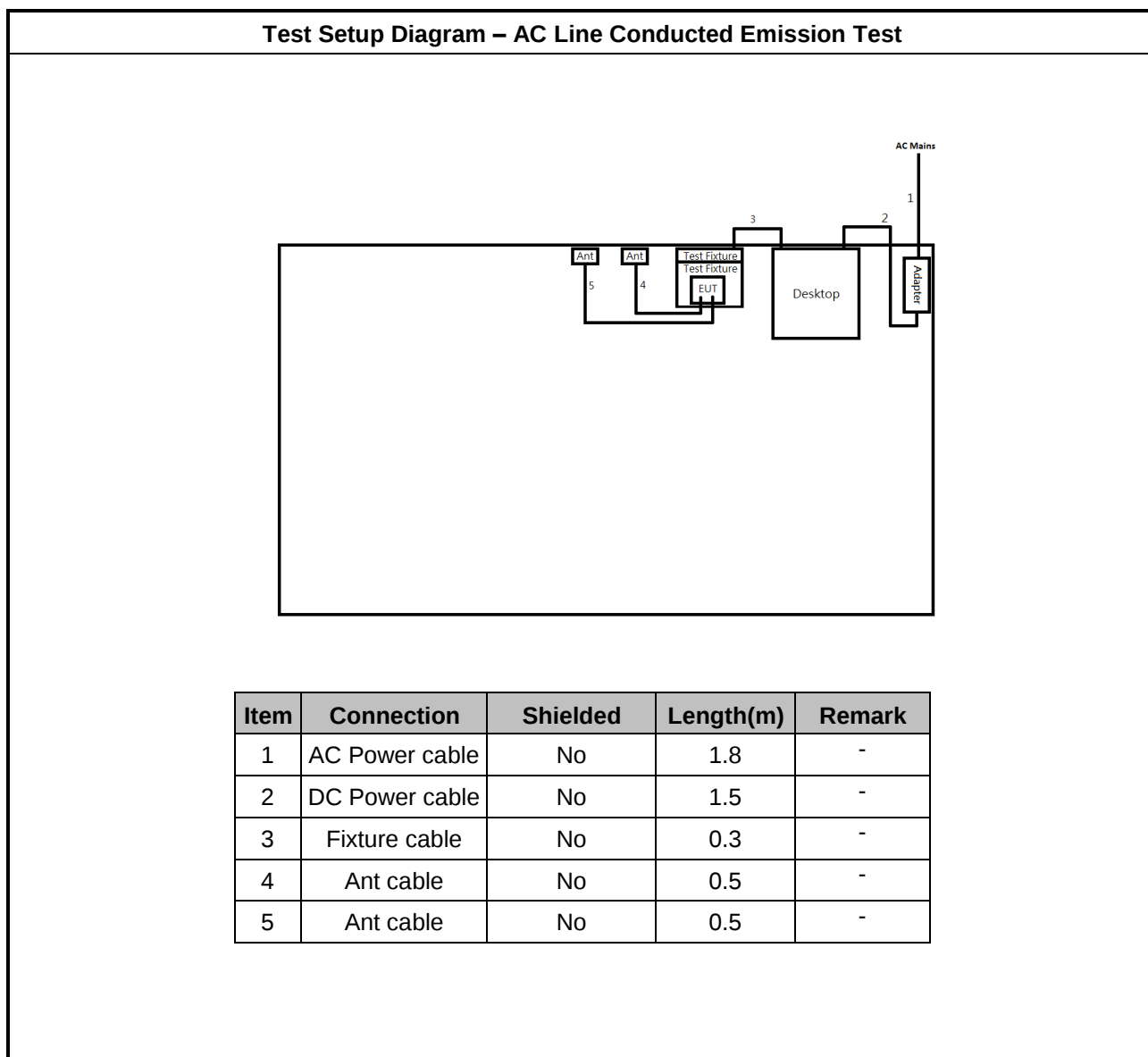
2.3 Support Equipment

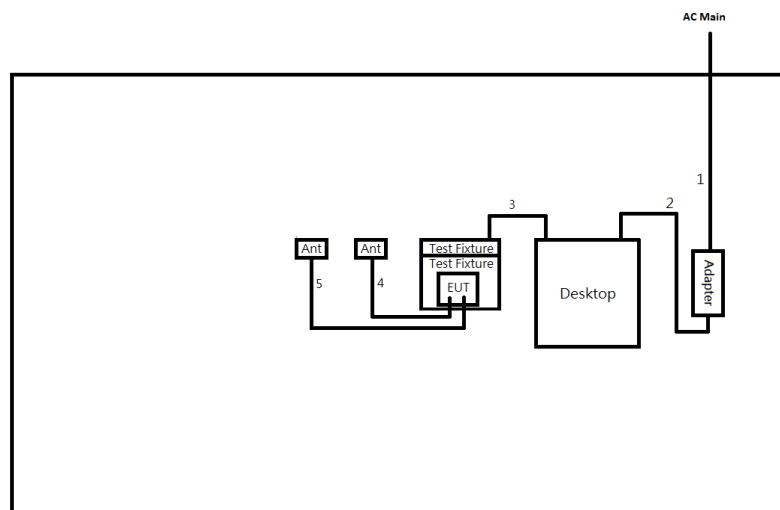
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power cable	Power sync	TPCMRN0018	-	-
2	Desktop	ADVANTECH	AIMB-219	-	Provided by Customer
3	Adapter for Desktop	FSP	FSP120-AHAN3	-	Provided by Customer
4	Test Fixture	C-Ming	R12SF-035A	-	Provided by Customer
5	Test Fixture	Advantech	Advantech	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Desktop	ADVANTECH	AIMB-219	-	Provided by Customer
2	Adapter	FSP	FSP120-AHAN3	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power cable	Power sync	TPCMRN0018	-	-
2	Desktop	ADVANTECH	AIMB-219	-	Provided by Customer
3	Adapter for Desktop	FSP	FSP120-AHAN3	-	Provided by Customer
4	Test Fixture	C-Ming	R12SF-035A	-	Provided by Customer
5	Test Fixture	Advantech	Advantech	-	Provided by Customer

2.4 Test Setup Diagram



Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	Fixture cable	No	0.3	-
4	ANT cable	No	0.5	-
5	ANT cable	No	0.5	-

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

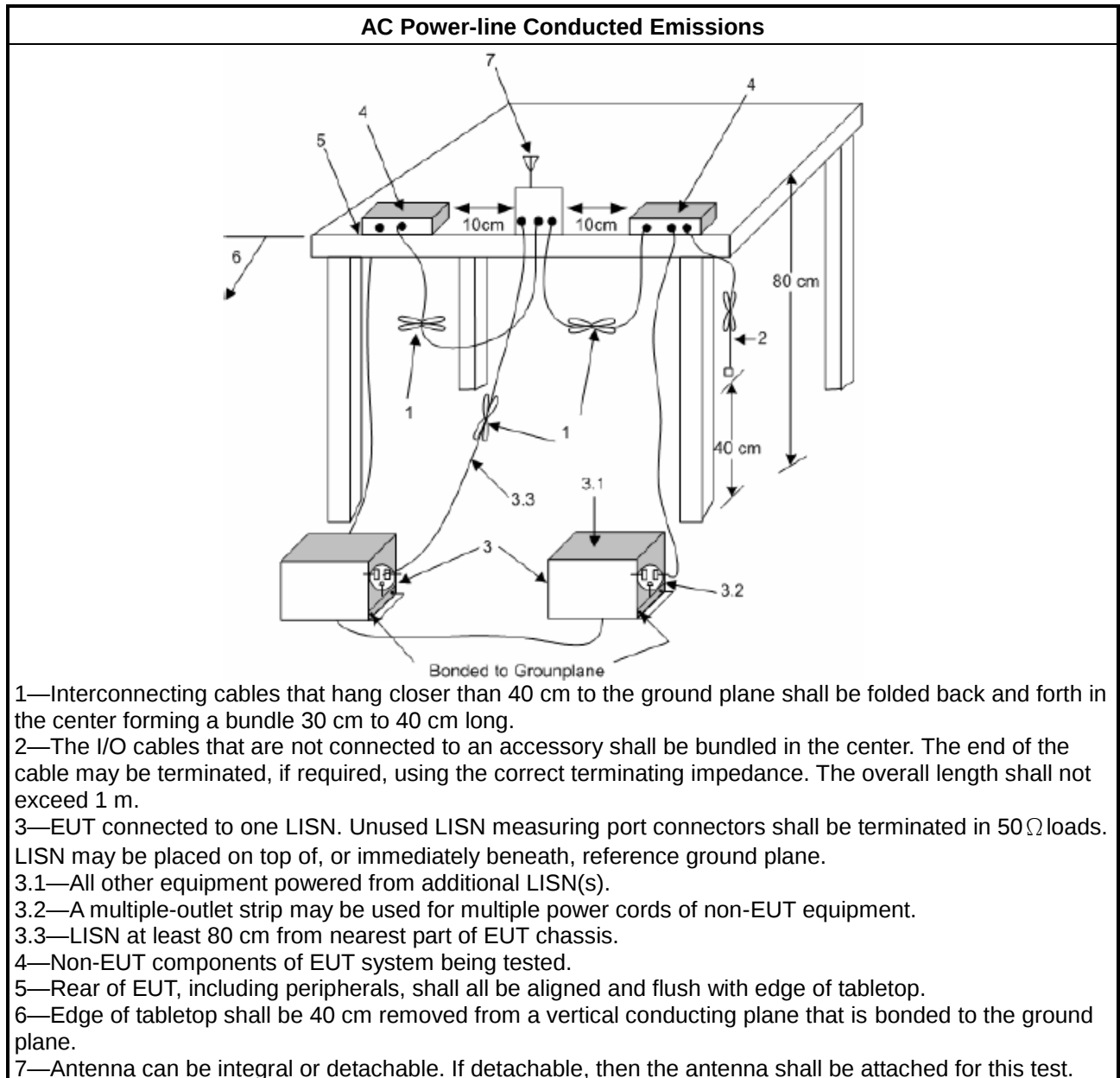
Test Method
▪ Refer as ANSI C63.10, clause 6.2 foray power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

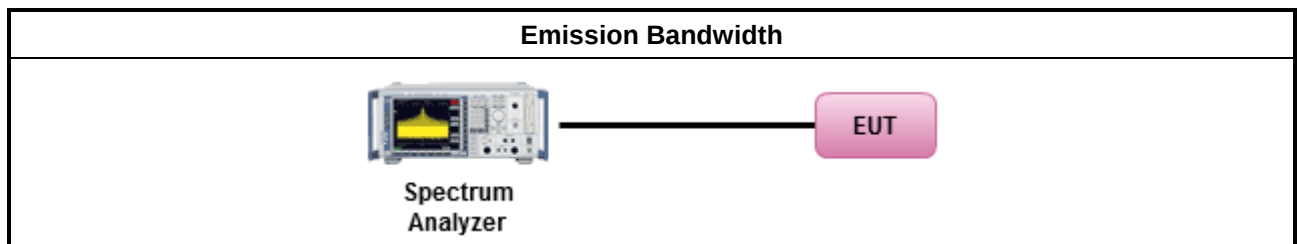
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074, clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	Refer as ANSI C63.10, clause 6.9.3 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
e.i.r.p. Power Limit:	
	2400-2483.5 MHz Band
	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	Smart antenna system (SAS)
	- Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ 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.	

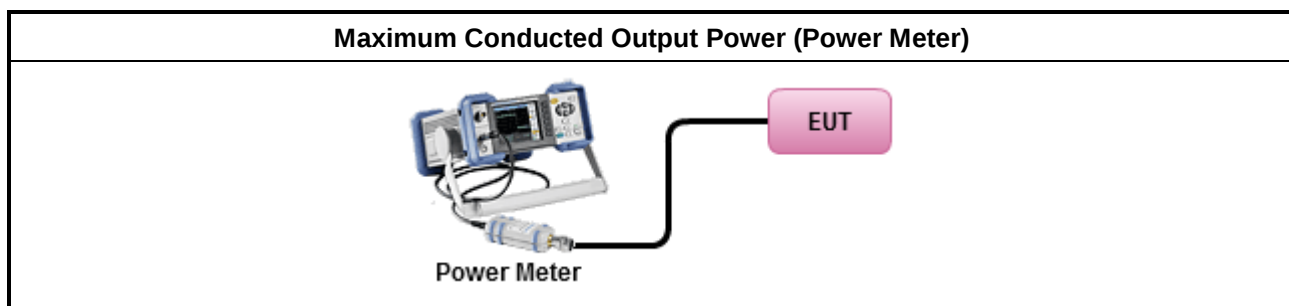
3.3.2 Measuring Instruments

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 KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.2 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as 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

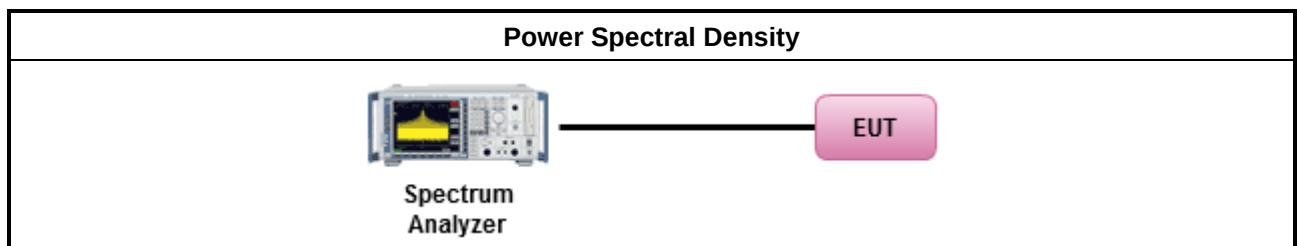
3.4.2 Measuring Instruments

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 KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
For conducted measurement.
If The EUT supports multiple transmit chains using options given below:
Measure and sum the spectra across the outputs. Refer as 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.

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 (dB)
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 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 level.	

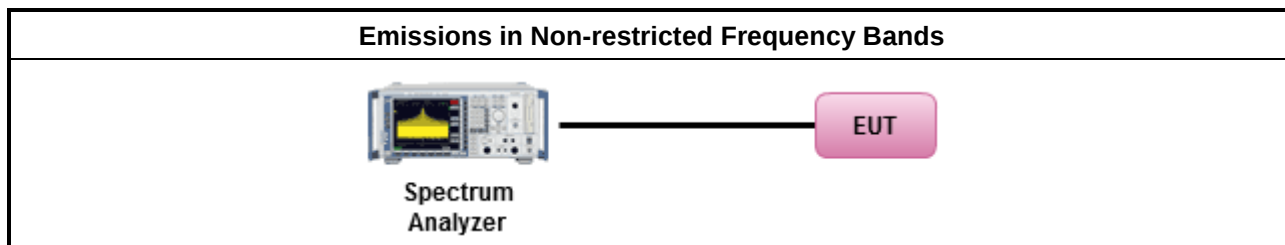
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency 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

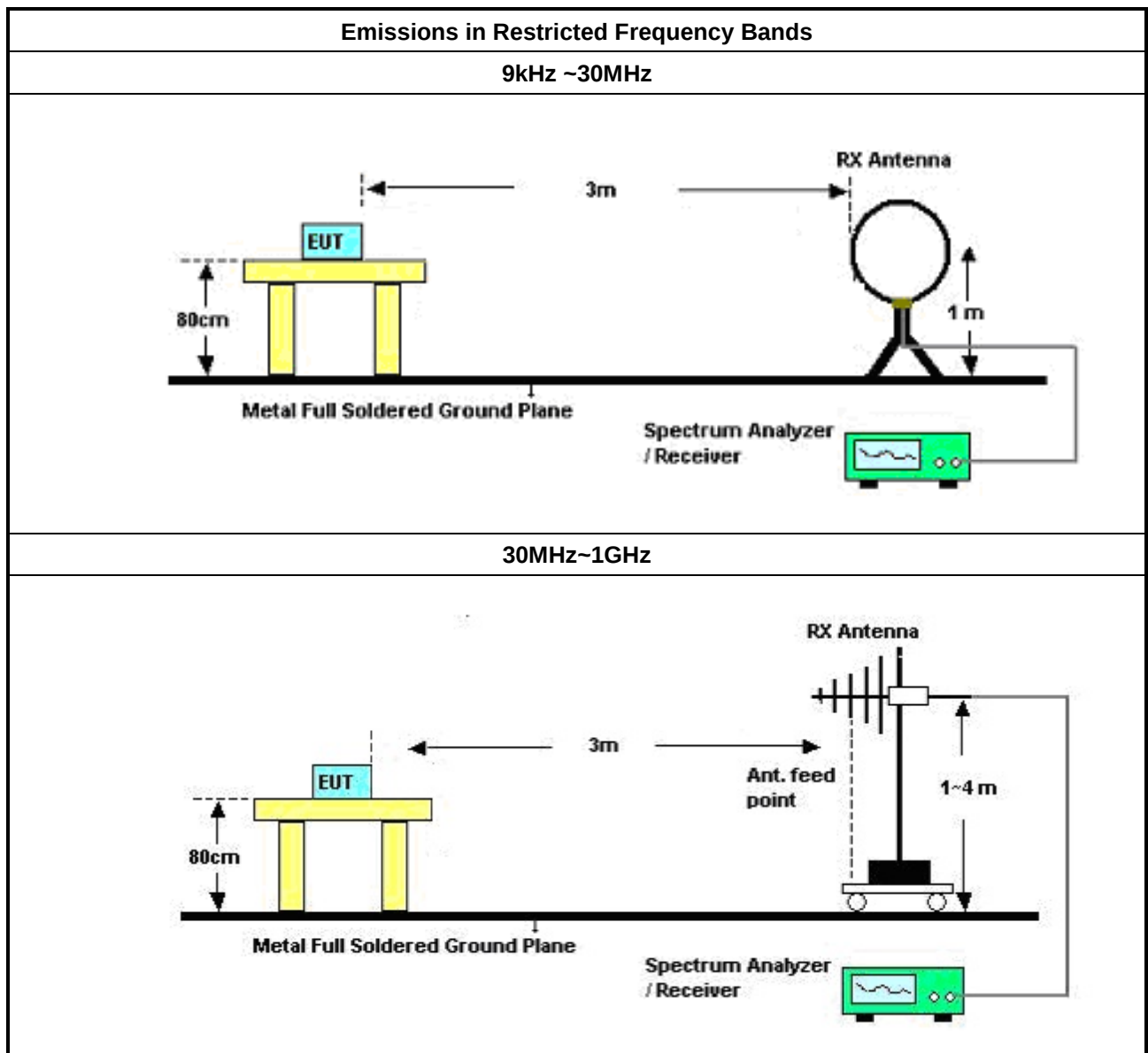
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as KDB 558074 clause 8.7.1, 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 KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

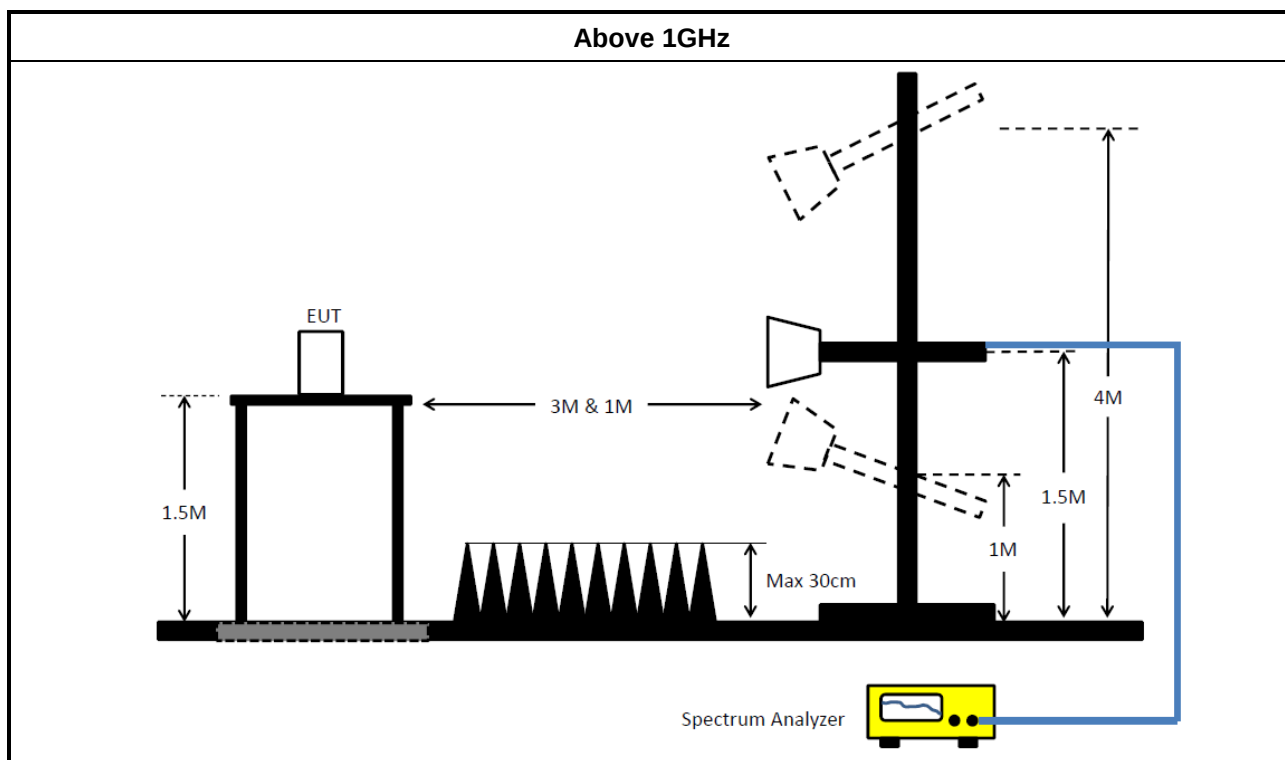
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.6.5 Test Setup





3.6.6 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	21/May/2025	20/May/2026
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	101578	9kHz ~ 30MHz	24/Aug/2025	23/Aug/2026
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	25/Feb/2026	24/Feb/2027
Pulse Limiter	SCHWARZBECK	VTSD 9561F-N	1056	9kHz ~ 30MHz	25/Jun/2025	24/Jun/2026
Software	Sporton	SENSE-EMI	V5.11.6	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	05/Jan/2026	04/Jan/2027
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	29/Oct/2025	28/Oct/2026
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	17/Dec/2025	16/Dec/2026
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2025	16/Dec/2026
SENSE-15247_FS	Sporton	V5.11.27	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
N.S.A. Measurement	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3M	12/Jul/2025	11/Jul/2026
Site V.S.W.R	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3M	12/Jul/2025	11/Jul/2026
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	13/May/2026	12/May/2027
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101750	10Hz~44GHz	14/Apr/2026	13/Apr/2027
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2026	15/Mar/2027
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723/2	30MHz~1GHz	25/Aug/2025	24/Aug/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	2268	1GHz~18GHz	03/Oct/2025	02/Oct/2026
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	02/Jul/2025	01/Jul/2026
RF Cable	MVE	400LL+SN 200207	03CH02-cable -05	9kHz~1GHz	08/Aug/2025	07/Aug/2026
RF Cable HUBER+SUHNER	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable -06	1GHz~40GHz	15/Aug/2025	14/Aug/2026
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	27/Jun/2025	26/Jun/2026
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	30/Sep/2025	29/Sep/2026
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	60604	18GHz ~40GHz	20/May/2026	19/May/2027
SENSE-15247-FS	Sporton	V5.11.23	N/A	N/A	N/A	N/A

Instrument for Radiated Test_Co-location

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Site V.S.W.R	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3M	12/Jul/2025	11/Jul/2026
Signal Analyzer	ROHDE& SCHWARZ	FSV3044	101750	10Hz~44GHz	14/Apr/2026	13/Apr/2027
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	2268	1GHz~18GHz	03/Oct/2025	02/Oct/2026
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	02/Jul/2025	01/Jul/2026
RF Cable HUBER+SUHNER	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-06	1GHz~40GHz	15/Aug/2025	14/Aug/2026
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	30/Sep/2025	29/Sep/2026
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	60604	18GHz ~40GHz	20/May/2026	19/May/2027
SENSE-EMI	Sporton	V5.11.9	N/A	N/A	N/A	N/A



Conducted Emissions at Powerline

Appendix A

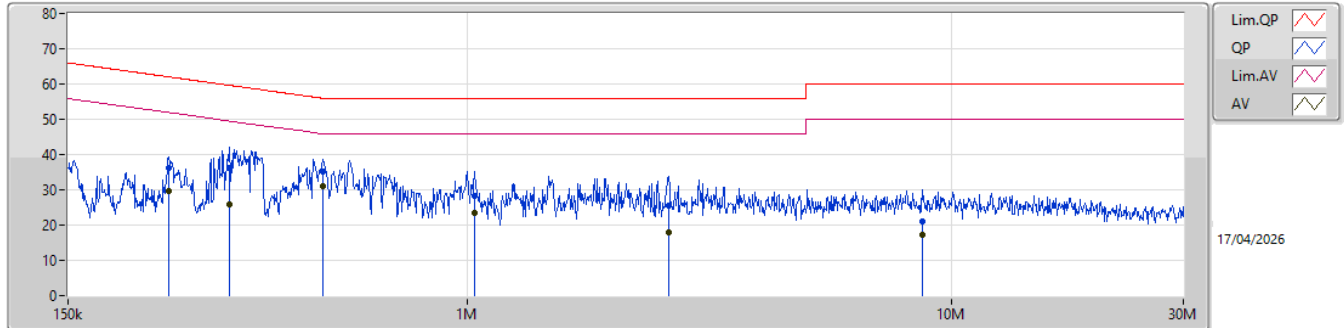
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	504.824k	31.05	46.00	-14.95	Line

Result

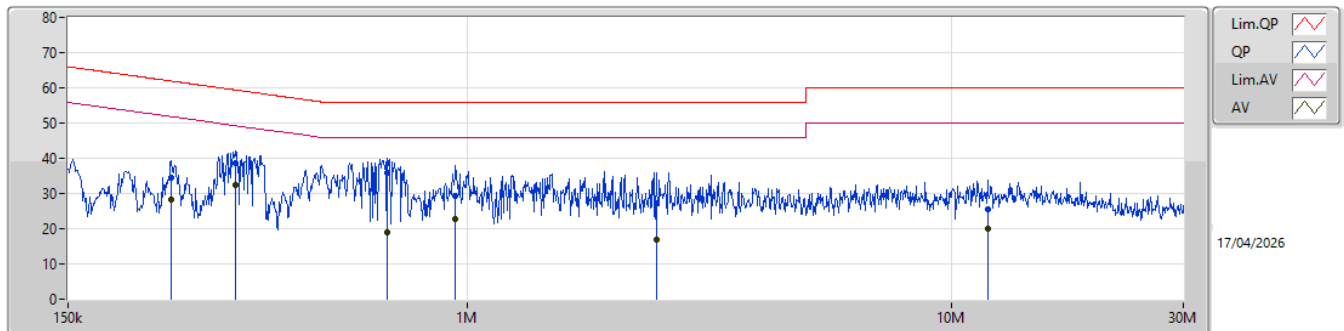
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	242.179k	36.16	62.02	-25.86	Line
Mode 1	Pass	AV	242.179k	29.80	52.02	-22.22	Line
Mode 1	Pass	QP	322.823k	36.34	59.63	-23.29	Line
Mode 1	Pass	AV	322.823k	25.85	49.63	-23.78	Line
Mode 1	Pass	QP	504.824k	35.25	56.00	-20.75	Line
Mode 1	Pass	AV	504.824k	31.05	46.00	-14.95	Line
Mode 1	Pass	QP	1.036M	28.19	56.00	-27.81	Line
Mode 1	Pass	AV	1.036M	23.37	46.00	-22.63	Line
Mode 1	Pass	QP	2.604M	25.40	56.00	-30.60	Line
Mode 1	Pass	AV	2.604M	17.98	46.00	-28.02	Line
Mode 1	Pass	QP	8.695M	21.03	60.00	-38.97	Line
Mode 1	Pass	AV	8.695M	17.37	50.00	-32.63	Line
Mode 1	Pass	QP	245.097k	34.34	61.93	-27.59	Neutral
Mode 1	Pass	AV	245.097k	28.41	51.93	-23.52	Neutral
Mode 1	Pass	QP	331.971k	38.79	59.40	-20.61	Neutral
Mode 1	Pass	AV	331.971k	32.58	49.40	-16.82	Neutral
Mode 1	Pass	QP	683.758k	35.69	56.00	-20.31	Neutral
Mode 1	Pass	AV	683.758k	19.08	46.00	-26.92	Neutral
Mode 1	Pass	QP	944.785k	29.18	56.00	-26.82	Neutral
Mode 1	Pass	AV	944.785k	22.78	46.00	-23.22	Neutral
Mode 1	Pass	QP	2.453M	27.27	56.00	-28.73	Neutral
Mode 1	Pass	AV	2.453M	16.89	46.00	-29.11	Neutral
Mode 1	Pass	QP	11.824M	25.51	60.00	-34.49	Neutral
Mode 1	Pass	AV	11.824M	19.95	50.00	-30.05	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	242.179k	36.16	62.02	-25.86	19.88	Line	16.28	9.64	0.12	10.12								
AV	242.179k	29.80	52.02	-22.22	19.88	Line	9.92	9.64	0.12	10.12								
QP	322.823k	36.34	59.63	-23.29	19.86	Line	16.48	9.63	0.11	10.12								
AV	322.823k	25.85	49.63	-23.78	19.86	Line	5.99	9.63	0.11	10.12								
QP	504.824k	35.25	56.00	-20.75	19.84	Line	15.41	9.63	0.09	10.12								
AV	504.824k	31.05	46.00	-14.95	19.84	Line	11.21	9.63	0.09	10.12								
QP	1.036M	28.19	56.00	-27.81	19.83	Line	8.36	9.64	0.07	10.12								
AV	1.036M	23.37	46.00	-22.63	19.83	Line	3.54	9.64	0.07	10.12								
QP	2.604M	25.40	56.00	-30.60	19.85	Line	5.55	9.65	0.07	10.13								
AV	2.604M	17.98	46.00	-28.02	19.85	Line	-1.87	9.65	0.07	10.13								
QP	8.695M	21.03	60.00	-38.97	20.05	Line	0.98	9.69	0.22	10.14								
AV	8.695M	17.37	50.00	-32.63	20.05	Line	-2.68	9.69	0.22	10.14								

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	245.097k	34.34	61.93	-27.59	19.87	Neutral	14.47	9.63	0.12	10.12								
AV	245.097k	28.41	51.93	-23.52	19.87	Neutral	8.54	9.63	0.12	10.12								
QP	331.971k	38.79	59.40	-20.61	19.86	Neutral	18.93	9.63	0.11	10.12								
AV	331.971k	32.58	49.40	-16.82	19.86	Neutral	12.72	9.63	0.11	10.12								
QP	683.758k	35.69	56.00	-20.31	19.84	Neutral	15.85	9.64	0.08	10.12								
AV	683.758k	19.08	46.00	-26.92	19.84	Neutral	-0.76	9.64	0.08	10.12								
QP	944.785k	29.18	56.00	-26.82	19.83	Neutral	9.35	9.64	0.07	10.12								
AV	944.785k	22.78	46.00	-23.22	19.83	Neutral	2.95	9.64	0.07	10.12								
QP	2.453M	27.27	56.00	-28.73	19.85	Neutral	7.42	9.65	0.07	10.13								
AV	2.453M	16.89	46.00	-29.11	19.85	Neutral	-2.96	9.65	0.07	10.13								
QP	11.824M	25.51	60.00	-34.49	20.13	Neutral	5.38	9.70	0.29	10.14								
AV	11.824M	19.95	50.00	-30.05	20.13	Neutral	-0.18	9.70	0.29	10.14								



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)	703.75k	1.028M	1M03F1D	542.5k	1.019M
BT-LE(2Mbps)	1.413M	2.054M	2M05F1D	757.5k	2.031M

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

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	500k	678.75k	1.026M	675k	1.028M
2440MHz	Pass	500k	703.75k	1.028M	620k	1.021M
2480MHz	Pass	500k	542.5k	1.026M	657.5k	1.019M
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	500k	975k	2.034M	1.285M	2.054M
2440MHz	Pass	500k	1.413M	2.031M	822.5k	2.041M
2480MHz	Pass	500k	1.138M	2.041M	757.5k	2.036M

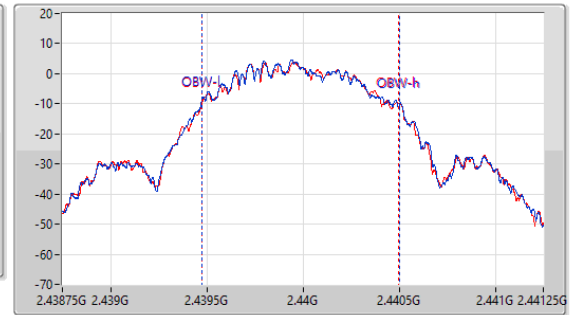
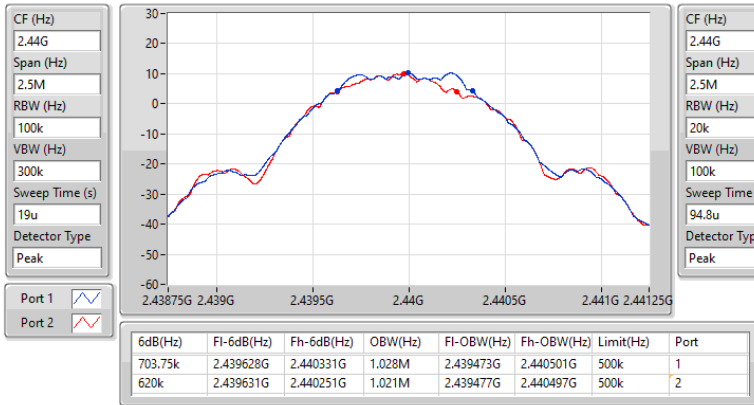
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2440MHz

18/05/2026

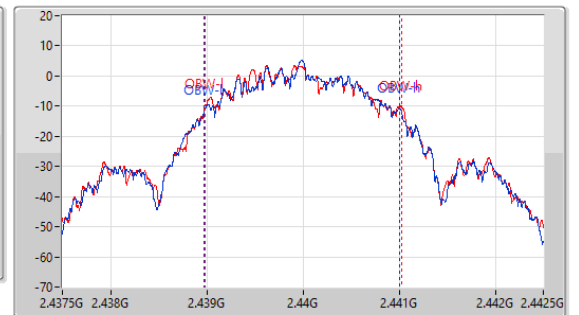
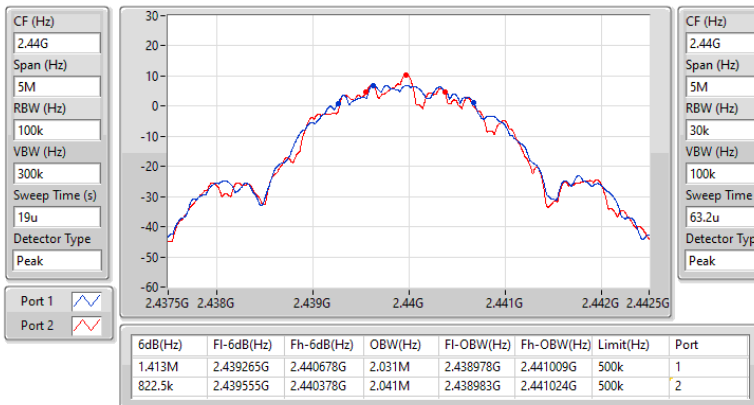


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2440MHz

18/05/2026



**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)	703.75k	1.028M	1M03F1D	542.5k	1.019M
BT-LE(2Mbps)	1.413M	2.054M	2M05F1D	757.5k	2.031M

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

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	500k	678.75k	1.026M	675k	1.028M
2440MHz	Pass	500k	703.75k	1.028M	620k	1.021M
2480MHz	Pass	500k	542.5k	1.026M	657.5k	1.019M
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	500k	975k	2.034M	1.285M	2.054M
2440MHz	Pass	500k	1.413M	2.031M	822.5k	2.041M
2480MHz	Pass	500k	1.138M	2.041M	757.5k	2.036M

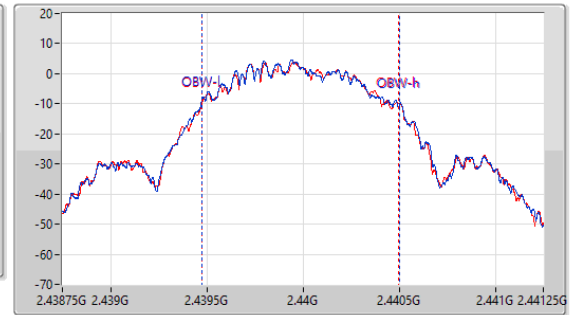
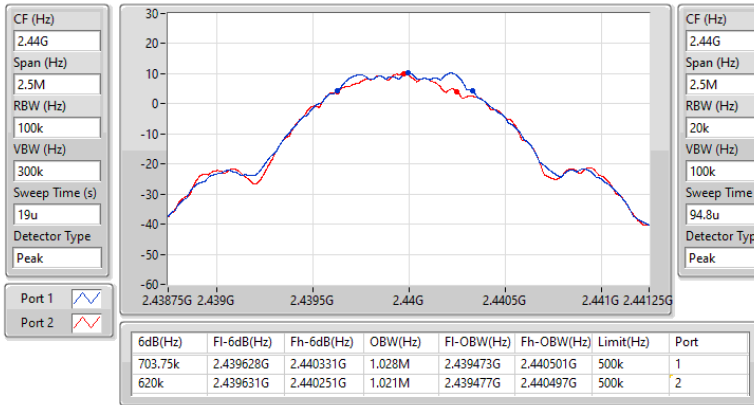
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2440MHz

18/05/2026

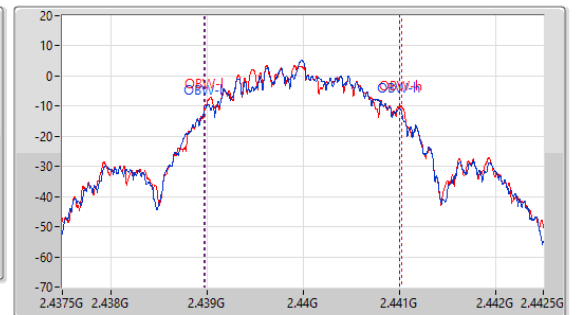
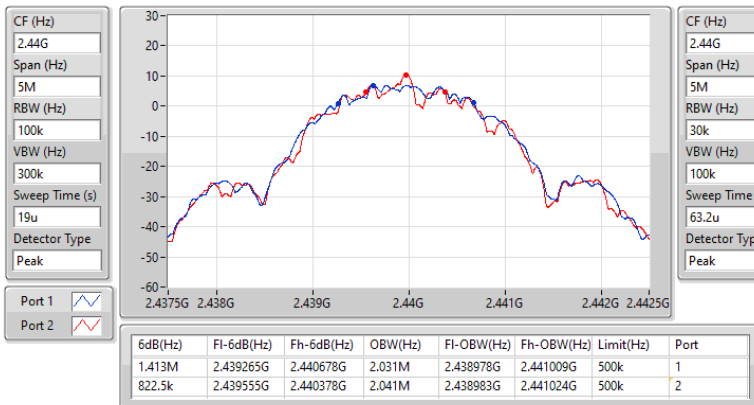


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2440MHz

18/05/2026





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	13.82	0.02410
BT-LE(2Mbps)	13.62	0.02301

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	2.87	10.61	11.00	13.82	30.00
2440MHz	Pass	2.87	10.73	10.75	13.75	30.00
2480MHz	Pass	2.87	10.17	10.07	13.13	30.00
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	2.87	10.40	10.81	13.62	30.00
2440MHz	Pass	2.87	10.50	10.59	13.56	30.00
2480MHz	Pass	2.87	9.91	9.90	12.92	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	13.82	0.02410
BT-LE(2Mbps)	13.62	0.02301

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	3.51	10.61	11.00	13.82	30.00
2440MHz	Pass	3.51	10.73	10.75	13.75	30.00
2480MHz	Pass	3.51	10.17	10.07	13.13	30.00
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	3.51	10.40	10.81	13.62	30.00
2440MHz	Pass	3.51	10.50	10.59	13.56	30.00
2480MHz	Pass	3.51	9.91	9.90	12.92	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)	-1.04
BT-LE(2Mbps)	-3.20

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	5.88	-4.28	-3.84	-1.04	8.00
2440MHz	Pass	5.88	-4.16	-4.21	-1.17	8.00
2480MHz	Pass	5.88	-4.71	-4.80	-1.74	8.00
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	5.88	-6.41	-6.02	-3.20	8.00
2440MHz	Pass	5.88	-6.23	-6.30	-3.25	8.00
2480MHz	Pass	5.88	-6.80	-6.92	-3.85	8.00

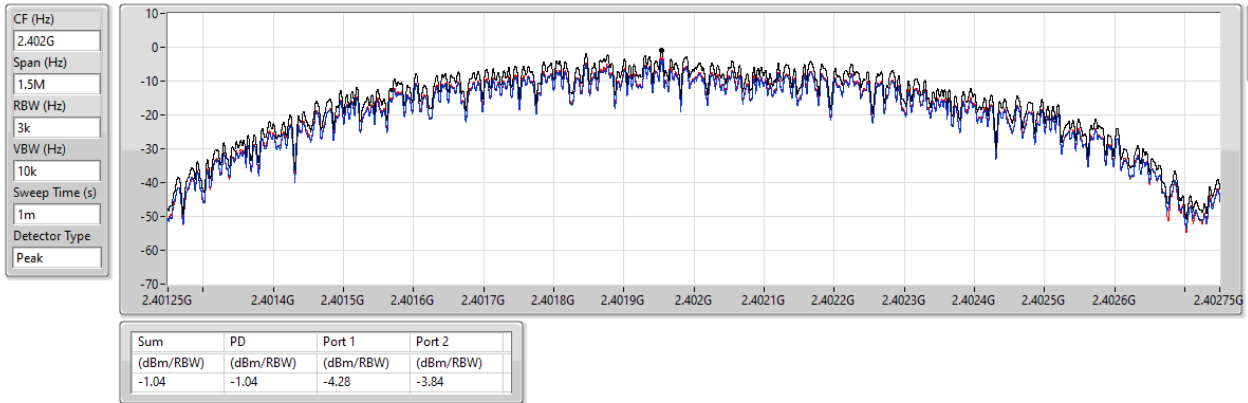
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2402MHz

18/05/2026

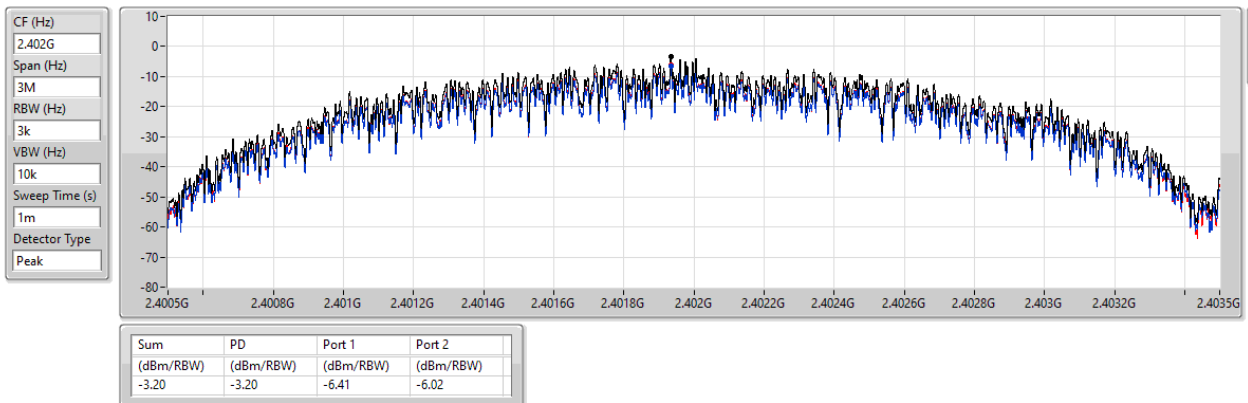


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

18/05/2026





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-1.04
BT-LE(2Mbps)	-3.20

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	6.52	-4.28	-3.84	-1.04	7.48
2440MHz	Pass	6.52	-4.16	-4.21	-1.17	7.48
2480MHz	Pass	6.52	-4.71	-4.80	-1.74	7.48
BT-LE(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	6.52	-6.41	-6.02	-3.20	7.48
2440MHz	Pass	6.52	-6.23	-6.30	-3.25	7.48
2480MHz	Pass	6.52	-6.80	-6.92	-3.85	7.48

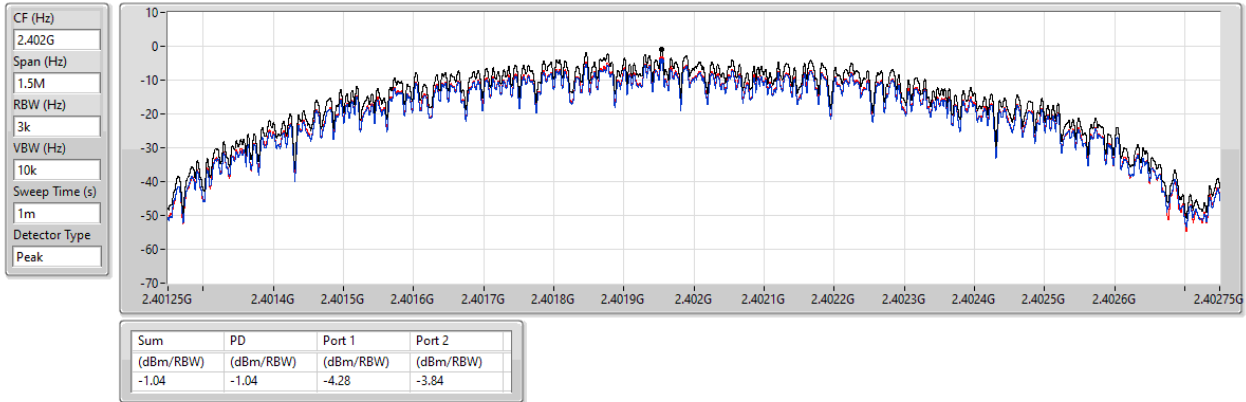
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2402MHz

18/05/2026

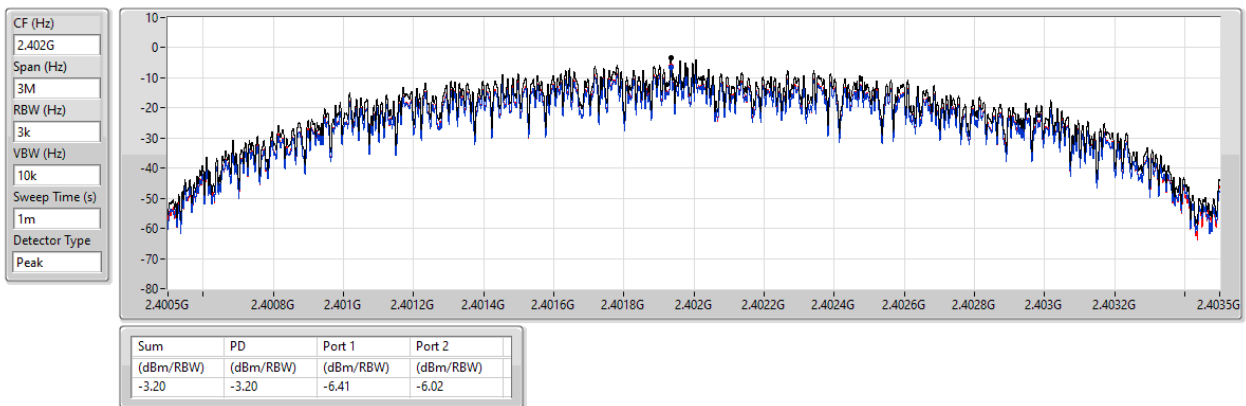


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

18/05/2026





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	2.40184G	10.57	-19.43	2.18495G	-33.32	2.39984G	-52.92	2.4G	-55.62	2.50186G	-53.15	2.63004G	-41.01	2
BT-LE(2Mbps)	Pass	2.40184G	10.73	-19.27	2.14618G	-36.36	2.4G	-21.39	2.4G	-22.44	2.50242G	-52.68	2.65535G	-42.12	2

Result

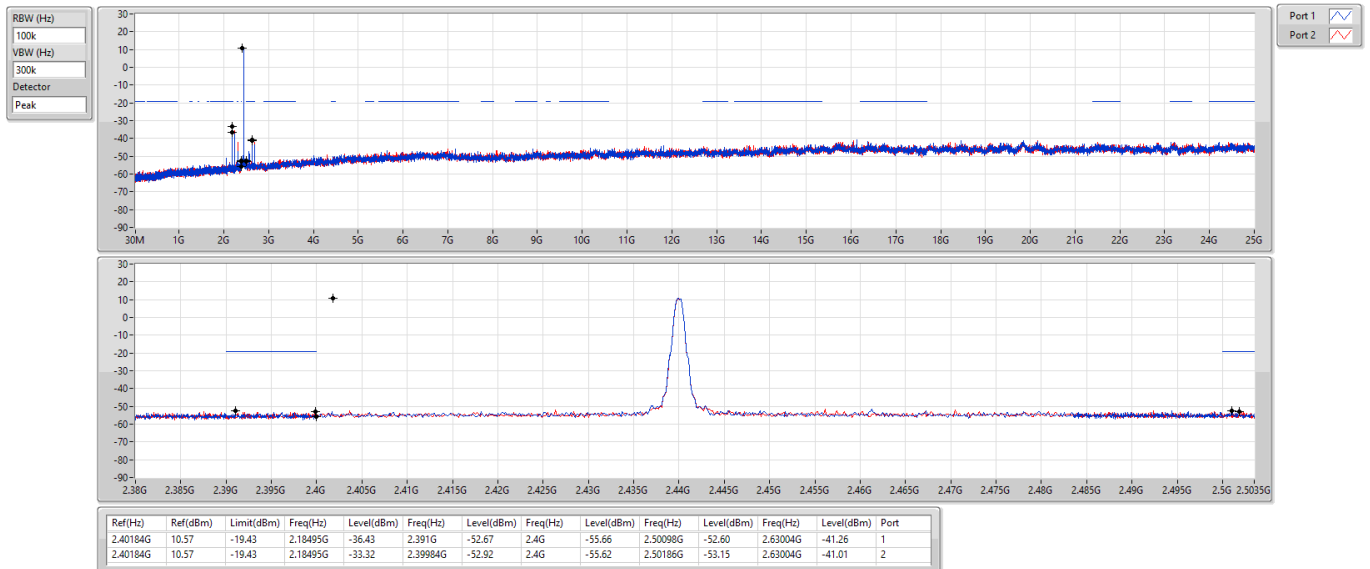
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	10.57	-19.43	2.14618G	-36.34	2.39904G	-49.52	2.4G	-49.05	2.50218G	-53.53	2.59349G	-42.13	1
2402MHz	Pass	2.40184G	10.57	-19.43	2.14618G	-33.97	2.3996G	-49.76	2.4G	-49.25	2.50102G	-53.01	2.59349G	-41.13	2
2440MHz	Pass	2.40184G	10.57	-19.43	2.18495G	-36.43	2.391G	-52.67	2.4G	-55.66	2.50098G	-52.60	2.63004G	-41.26	1
2440MHz	Pass	2.40184G	10.57	-19.43	2.18495G	-33.32	2.39984G	-52.92	2.4G	-55.62	2.50186G	-53.15	2.63004G	-41.01	2
2480MHz	Pass	2.40184G	10.57	-19.43	2.09683G	-53.11	2.39664G	-52.92	2.4G	-54.94	2.50238G	-52.92	16.67067G	-42.50	1
2480MHz	Pass	2.40184G	10.57	-19.43	2.13913G	-53.08	2.39184G	-52.79	2.4G	-55.20	2.5029G	-52.99	2.66941G	-40.56	2
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	10.73	-19.27	2.14618G	-38.71	2.4G	-21.61	2.4G	-22.16	2.5033G	-52.77	21.82518G	-41.91	1
2402MHz	Pass	2.40184G	10.73	-19.27	2.14618G	-36.36	2.4G	-21.39	2.4G	-22.44	2.50242G	-52.68	2.65535G	-42.12	2
2440MHz	Pass	2.40184G	10.73	-19.27	2.18495G	-39.05	2.39636G	-52.44	2.4G	-55.29	2.50258G	-53.55	24.56413G	-40.96	1
2440MHz	Pass	2.40184G	10.73	-19.27	2.18495G	-37.49	2.39436G	-52.85	2.4G	-55.31	2.5035G	-53.43	23.22278G	-41.54	2
2480MHz	Pass	2.40184G	10.73	-19.27	2.12503G	-53.91	2.39648G	-53.43	2.4G	-55.10	2.50238G	-52.86	23.52929G	-42.12	1
2480MHz	Pass	2.40184G	10.73	-19.27	2.16028G	-54.41	2.39552G	-53.82	2.4G	-55.46	2.50126G	-52.61	24.54726G	-42.09	2

2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2440MHz

18/05/2026

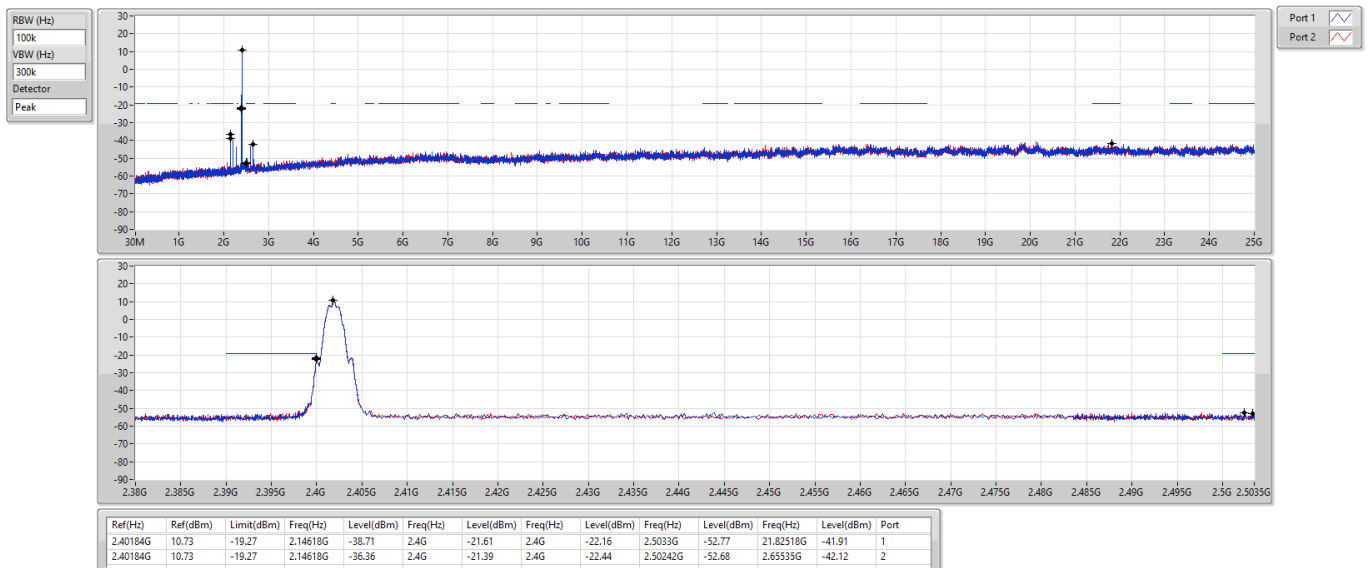


2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

18/05/2026



**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	2.40184G	10.57	-19.43	2.18495G	-33.32	2.39984G	-52.92	2.4G	-55.62	2.50186G	-53.15	2.63004G	-41.01	2
BT-LE(2Mbps)	Pass	2.40184G	10.73	-19.27	2.14618G	-36.36	2.4G	-21.39	2.4G	-22.44	2.50242G	-52.68	2.65535G	-42.12	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	10.57	-19.43	2.14618G	-36.34	2.39904G	-49.52	2.4G	-49.05	2.50218G	-53.53	2.59349G	-42.13	1
2402MHz	Pass	2.40184G	10.57	-19.43	2.14618G	-33.97	2.3996G	-49.76	2.4G	-49.25	2.50102G	-53.01	2.59349G	-41.13	2
2440MHz	Pass	2.40184G	10.57	-19.43	2.18495G	-36.43	2.391G	-52.67	2.4G	-55.66	2.50098G	-52.60	2.63004G	-41.26	1
2440MHz	Pass	2.40184G	10.57	-19.43	2.18495G	-33.32	2.39984G	-52.92	2.4G	-55.62	2.50186G	-53.15	2.63004G	-41.01	2
2480MHz	Pass	2.40184G	10.57	-19.43	2.09683G	-53.11	2.39664G	-52.92	2.4G	-54.94	2.50238G	-52.92	16.67067G	-42.50	1
2480MHz	Pass	2.40184G	10.57	-19.43	2.13913G	-53.08	2.39184G	-52.79	2.4G	-55.20	2.5029G	-52.99	2.66941G	-40.56	2
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	10.73	-19.27	2.14618G	-38.71	2.4G	-21.61	2.4G	-22.16	2.5033G	-52.77	21.82518G	-41.91	1
2402MHz	Pass	2.40184G	10.73	-19.27	2.14618G	-36.36	2.4G	-21.39	2.4G	-22.44	2.50242G	-52.68	2.65535G	-42.12	2
2440MHz	Pass	2.40184G	10.73	-19.27	2.18495G	-39.05	2.39636G	-52.44	2.4G	-55.29	2.50258G	-53.55	24.56413G	-40.96	1
2440MHz	Pass	2.40184G	10.73	-19.27	2.18495G	-37.49	2.39436G	-52.85	2.4G	-55.31	2.5035G	-53.43	23.22278G	-41.54	2
2480MHz	Pass	2.40184G	10.73	-19.27	2.12503G	-53.91	2.39648G	-53.43	2.4G	-55.10	2.50238G	-52.86	23.52929G	-42.12	1
2480MHz	Pass	2.40184G	10.73	-19.27	2.16028G	-54.41	2.39552G	-53.82	2.4G	-55.46	2.50126G	-52.61	24.54726G	-42.09	2

2.4-2.4835GHz_BT-LE(1Mbps)

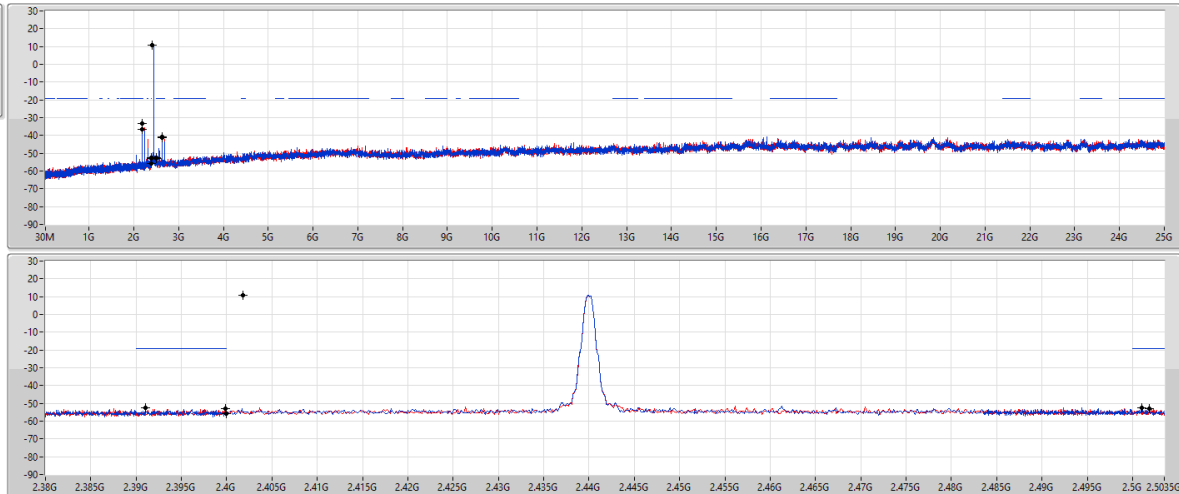
CSEndB-DTS

2440MHz

18/05/2026

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

Port 1
Port 2



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40184G	10.57	-19.43	2.18495G	-36.43	2.391G	-52.67	2.4G	-55.66	2.50098G	-52.60	2.63004G	-41.26	1
2.40184G	10.57	-19.43	2.18495G	-33.32	2.39984G	-52.92	2.4G	-55.62	2.50186G	-53.15	2.63004G	-41.01	2

2.4-2.4835GHz_BT-LE(2Mbps)

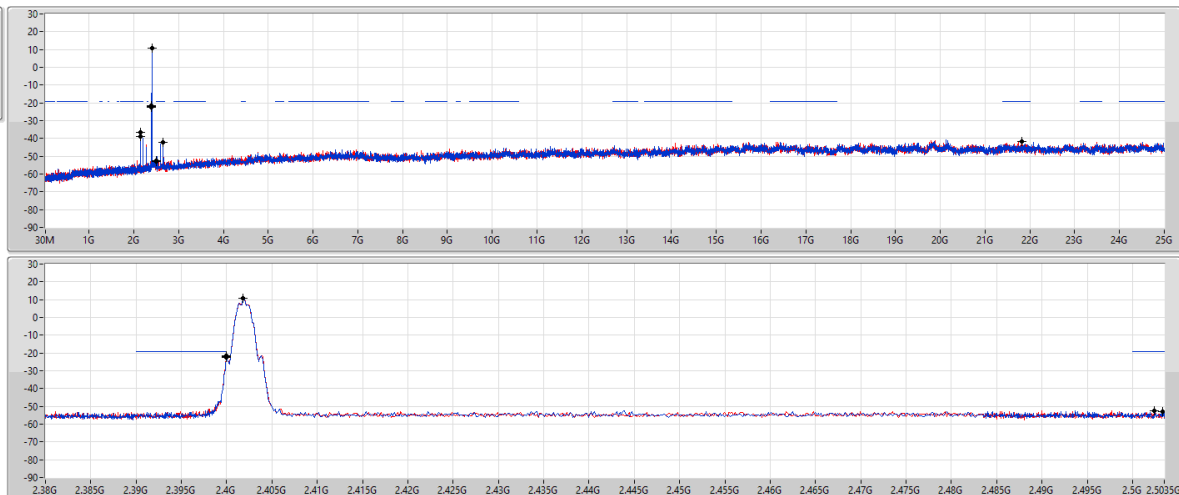
CSEndB-DTS

2402MHz

18/05/2026

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

Port 1
Port 2



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40184G	10.73	-19.27	2.14618G	-38.71	2.4G	-21.61	2.4G	-22.16	2.5033G	-52.77	2.182518G	-41.91	1
2.40184G	10.73	-19.27	2.14618G	-36.36	2.4G	-21.39	2.4G	-22.44	2.50242G	-52.68	2.65535G	-42.12	2



Summary

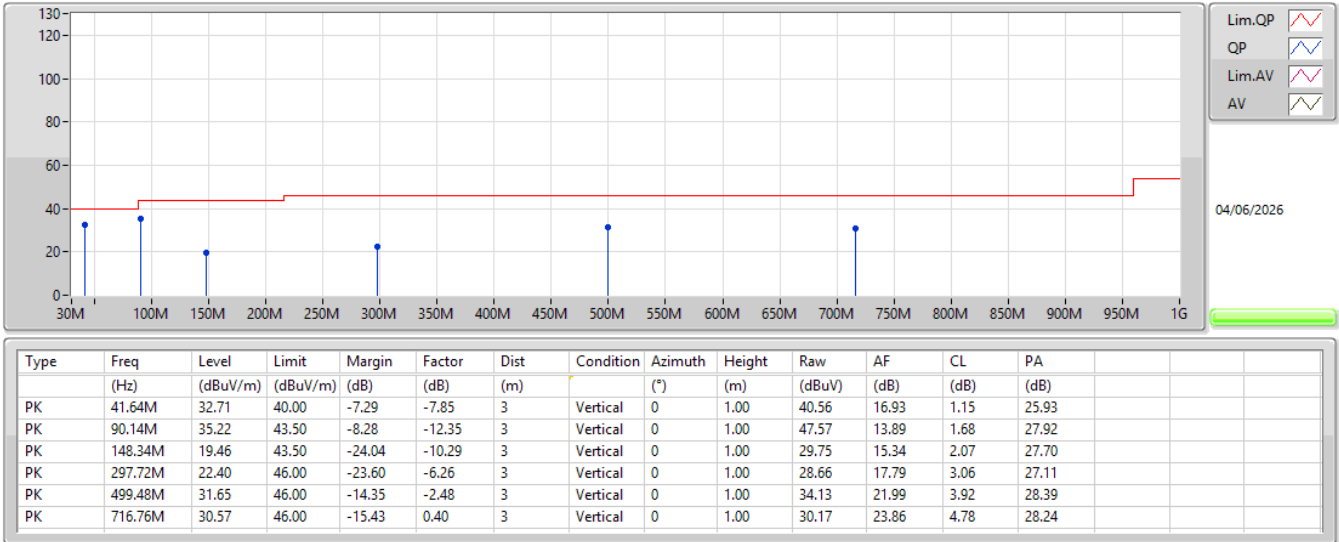
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	41.64M	32.71	40.00	-7.29	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2440MHz_Test Fixture	Pass	PK	41.64M	32.71	40.00	-7.29	3	Vertical	0	1.00	-
2440MHz_Test Fixture	Pass	PK	90.14M	35.22	43.50	-8.28	3	Vertical	0	1.00	-
2440MHz_Test Fixture	Pass	PK	148.34M	19.46	43.50	-24.04	3	Vertical	0	1.00	-
2440MHz_Test Fixture	Pass	PK	297.72M	22.40	46.00	-23.60	3	Vertical	0	1.00	-
2440MHz_Test Fixture	Pass	PK	499.48M	31.65	46.00	-14.35	3	Vertical	0	1.00	-
2440MHz_Test Fixture	Pass	PK	716.76M	30.57	46.00	-15.43	3	Vertical	0	1.00	-
2440MHz_Test Fixture	Pass	PK	41.64M	26.54	40.00	-13.46	3	Horizontal	360	1.00	-
2440MHz_Test Fixture	Pass	PK	90.14M	32.40	43.50	-11.10	3	Horizontal	360	1.00	-
2440MHz_Test Fixture	Pass	PK	99.84M	26.27	43.50	-17.23	3	Horizontal	360	1.00	-
2440MHz_Test Fixture	Pass	PK	167.74M	21.46	43.50	-22.04	3	Horizontal	360	1.00	-
2440MHz_Test Fixture	Pass	PK	297.72M	25.09	46.00	-20.91	3	Horizontal	360	1.00	-
2440MHz_Test Fixture	Pass	PK	499.48M	36.59	46.00	-9.41	3	Horizontal	360	1.00	-

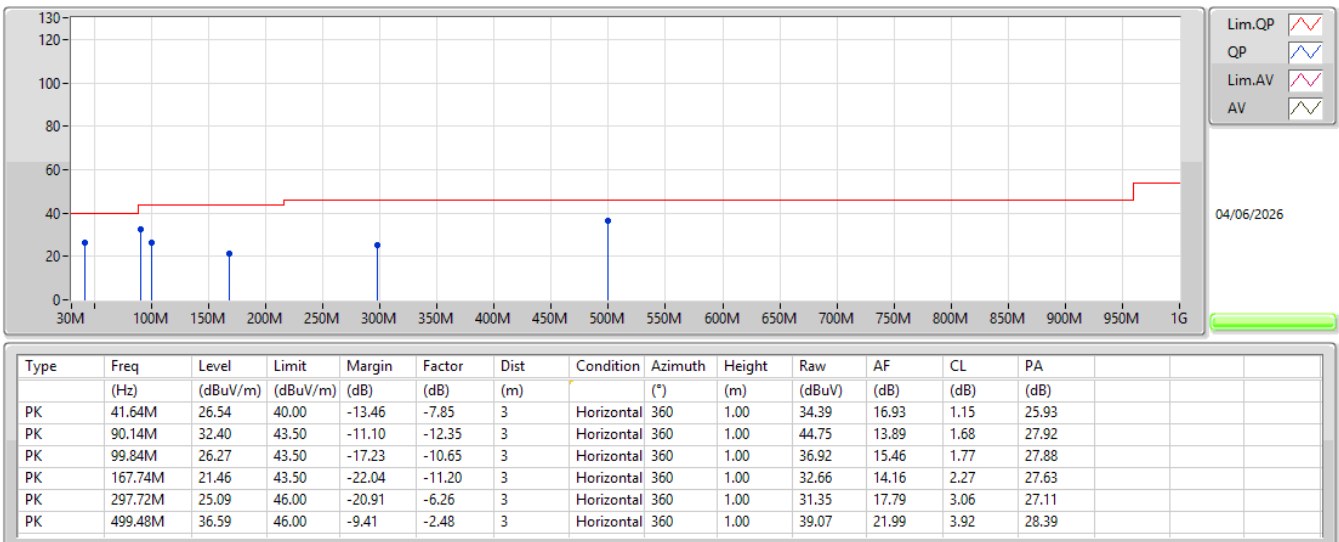
2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Test Fixture



2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Test Fixture



**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	4.87984G	53.24	54.00	-0.76	3	Horizontal	320	1.03
BT-LE(2Mbps)	Pass	AV	2.4835G	51.46	54.00	-2.54	3	Vertical	180	1.37

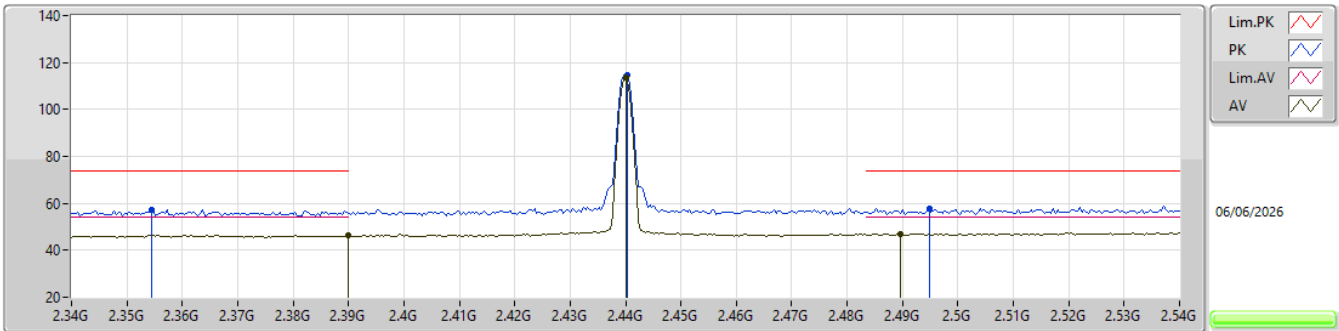
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz_TX	Pass	AV	2.387G	46.81	54.00	-7.19	3	Vertical	222	1.50
2402MHz_TX	Pass	AV	2.402G	113.00	Inf	-Inf	3	Vertical	222	1.50
2402MHz_TX	Pass	PK	2.3894G	57.78	74.00	-16.22	3	Vertical	222	1.50
2402MHz_TX	Pass	PK	2.4018G	114.09	Inf	-Inf	3	Vertical	222	1.50
2402MHz_TX	Pass	AV	2.3592G	46.55	54.00	-7.45	3	Horizontal	283	1.50
2402MHz_TX	Pass	AV	2.402G	103.87	Inf	-Inf	3	Horizontal	283	1.50
2402MHz_TX	Pass	PK	2.3868G	57.28	74.00	-16.72	3	Horizontal	283	1.50
2402MHz_TX	Pass	PK	2.4018G	104.80	Inf	-Inf	3	Horizontal	283	1.50
2402MHz_TX	Pass	AV	4.8038G	44.71	54.00	-9.29	3	Vertical	326	1.38
2402MHz_TX	Pass	PK	4.8038G	50.40	74.00	-23.60	3	Vertical	326	1.38
2402MHz_TX	Pass	AV	4.80388G	48.51	54.00	-5.49	3	Horizontal	330	2.58
2402MHz_TX	Pass	PK	4.80384G	53.74	74.00	-20.26	3	Horizontal	330	2.58
2440MHz_TX	Pass	AV	2.39G	46.32	54.00	-7.68	3	Vertical	179	1.21
2440MHz_TX	Pass	AV	2.44G	113.73	Inf	-Inf	3	Vertical	179	1.21
2440MHz_TX	Pass	AV	2.4896G	47.12	54.00	-6.88	3	Vertical	179	1.21
2440MHz_TX	Pass	PK	2.3544G	57.23	74.00	-16.77	3	Vertical	179	1.21
2440MHz_TX	Pass	PK	2.4404G	114.56	Inf	-Inf	3	Vertical	179	1.21
2440MHz_TX	Pass	PK	2.4948G	57.70	74.00	-16.30	3	Vertical	179	1.21
2440MHz_TX	Pass	AV	2.374G	46.30	54.00	-7.70	3	Horizontal	344	1.50
2440MHz_TX	Pass	AV	2.44G	103.78	Inf	-Inf	3	Horizontal	344	1.50
2440MHz_TX	Pass	AV	2.4908G	46.95	54.00	-7.05	3	Horizontal	344	1.50
2440MHz_TX	Pass	PK	2.362G	57.29	74.00	-16.71	3	Horizontal	344	1.50
2440MHz_TX	Pass	PK	2.4396G	104.61	Inf	-Inf	3	Horizontal	344	1.50
2440MHz_TX	Pass	PK	2.4972G	57.29	74.00	-16.71	3	Horizontal	344	1.50
2440MHz_TX	Pass	AV	4.87988G	49.23	54.00	-4.77	3	Vertical	120	1.20
2440MHz_TX	Pass	AV	7.31928G	52.81	54.00	-1.19	3	Vertical	217	2.59
2440MHz_TX	Pass	PK	4.8794G	53.62	74.00	-20.38	3	Vertical	120	1.20
2440MHz_TX	Pass	PK	7.31912G	58.24	74.00	-15.76	3	Vertical	217	2.59
2440MHz_TX	Pass	AV	4.87984G	53.24	54.00	-0.76	3	Horizontal	320	1.03
2440MHz_TX	Pass	AV	7.31916G	46.56	54.00	-7.44	3	Horizontal	128	1.03
2440MHz_TX	Pass	PK	4.88048G	57.83	74.00	-16.17	3	Horizontal	320	1.03
2440MHz_TX	Pass	PK	7.31916G	53.12	74.00	-20.88	3	Horizontal	128	1.03
2480MHz_TX	Pass	AV	2.48G	112.30	Inf	-Inf	3	Vertical	180	1.24
2480MHz_TX	Pass	AV	2.4836G	48.28	54.00	-5.72	3	Vertical	180	1.24
2480MHz_TX	Pass	PK	2.4798G	113.15	Inf	-Inf	3	Vertical	180	1.24
2480MHz_TX	Pass	PK	2.4835G	62.73	74.00	-11.27	3	Vertical	180	1.24
2480MHz_TX	Pass	AV	2.48G	104.69	Inf	-Inf	3	Horizontal	343	1.43
2480MHz_TX	Pass	AV	2.4864G	47.31	54.00	-6.69	3	Horizontal	343	1.43
2480MHz_TX	Pass	PK	2.4802G	105.53	Inf	-Inf	3	Horizontal	343	1.43
2480MHz_TX	Pass	PK	2.4842G	58.20	74.00	-15.80	3	Horizontal	343	1.43
2480MHz_TX	Pass	AV	4.95996G	44.04	54.00	-9.96	3	Vertical	278	1.01
2480MHz_TX	Pass	AV	7.4406G	35.61	54.00	-18.39	3	Vertical	323	1.81
2480MHz_TX	Pass	PK	4.95952G	49.99	74.00	-24.01	3	Vertical	278	1.01
2480MHz_TX	Pass	PK	7.43152G	46.06	74.00	-27.94	3	Vertical	323	1.81
2480MHz_TX	Pass	AV	4.95992G	44.30	54.00	-9.70	3	Horizontal	324	1.15
2480MHz_TX	Pass	AV	7.43568G	35.16	54.00	-18.84	3	Horizontal	246	1.50
2480MHz_TX	Pass	PK	4.9594G	49.80	74.00	-24.20	3	Horizontal	324	1.15
2480MHz_TX	Pass	PK	7.4318G	45.97	74.00	-28.03	3	Horizontal	246	1.50
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz_TX	Pass	AV	2.3872G	47.19	54.00	-6.81	3	Vertical	221	1.50
2402MHz_TX	Pass	AV	2.402G	112.31	Inf	-Inf	3	Vertical	221	1.50
2402MHz_TX	Pass	PK	2.3878G	57.25	74.00	-16.75	3	Vertical	221	1.50
2402MHz_TX	Pass	PK	2.4014G	114.35	Inf	-Inf	3	Vertical	221	1.50
2402MHz_TX	Pass	AV	2.3528G	47.29	54.00	-6.71	3	Horizontal	287	1.56
2402MHz_TX	Pass	AV	2.402G	102.58	Inf	-Inf	3	Horizontal	287	1.56
2402MHz_TX	Pass	PK	2.355G	58.92	74.00	-15.08	3	Horizontal	287	1.56
2402MHz_TX	Pass	PK	2.4024G	104.67	Inf	-Inf	3	Horizontal	287	1.56
2402MHz_TX	Pass	AV	4.80398G	43.23	54.00	-10.77	3	Vertical	326	1.39
2402MHz_TX	Pass	PK	4.80396G	50.33	74.00	-23.67	3	Vertical	326	1.39
2402MHz_TX	Pass	AV	4.80388G	46.92	54.00	-7.08	3	Horizontal	331	2.33

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2402MHz_TX	Pass	PK	4.80404G	53.57	74.00	-20.43	3	Horizontal	331	2.33
2440MHz_TX	Pass	AV	2.3748G	47.09	54.00	-6.91	3	Vertical	295	1.07
2440MHz_TX	Pass	AV	2.44G	113.54	Inf	-Inf	3	Vertical	295	1.07
2440MHz_TX	Pass	AV	2.4892G	47.38	54.00	-6.62	3	Vertical	295	1.07
2440MHz_TX	Pass	PK	2.3888G	57.28	74.00	-16.72	3	Vertical	295	1.07
2440MHz_TX	Pass	PK	2.4404G	115.63	Inf	-Inf	3	Vertical	295	1.07
2440MHz_TX	Pass	PK	2.4848G	57.69	74.00	-16.31	3	Vertical	295	1.07
2440MHz_TX	Pass	AV	2.3556G	46.84	54.00	-7.16	3	Horizontal	295	1.08
2440MHz_TX	Pass	AV	2.44G	105.56	Inf	-Inf	3	Horizontal	295	1.08
2440MHz_TX	Pass	AV	2.486G	47.43	54.00	-6.57	3	Horizontal	295	1.08
2440MHz_TX	Pass	PK	2.3872G	57.05	74.00	-16.95	3	Horizontal	295	1.08
2440MHz_TX	Pass	PK	2.4404G	107.76	Inf	-Inf	3	Horizontal	295	1.08
2440MHz_TX	Pass	PK	2.4912G	57.46	74.00	-16.54	3	Horizontal	295	1.08
2440MHz_TX	Pass	AV	4.87992G	42.31	54.00	-11.69	3	Vertical	6	1.34
2440MHz_TX	Pass	AV	7.3186G	37.21	54.00	-16.79	3	Vertical	288	1.08
2440MHz_TX	Pass	PK	4.88016G	48.65	74.00	-25.35	3	Vertical	6	1.34
2440MHz_TX	Pass	PK	7.32028G	46.52	74.00	-27.48	3	Vertical	288	1.08
2440MHz_TX	Pass	AV	4.87992G	45.15	54.00	-8.85	3	Horizontal	320	1.03
2440MHz_TX	Pass	AV	7.31696G	35.66	54.00	-18.34	3	Horizontal	308	1.50
2440MHz_TX	Pass	PK	4.87992G	51.79	74.00	-22.21	3	Horizontal	320	1.03
2440MHz_TX	Pass	PK	7.3148G	45.52	74.00	-28.48	3	Horizontal	308	1.50
2480MHz_TX	Pass	AV	2.48G	111.16	Inf	-Inf	3	Vertical	180	1.37
2480MHz_TX	Pass	AV	2.4835G	51.46	54.00	-2.54	3	Vertical	180	1.37
2480MHz_TX	Pass	PK	2.4804G	113.21	Inf	-Inf	3	Vertical	180	1.37
2480MHz_TX	Pass	PK	2.4835G	62.94	74.00	-11.06	3	Vertical	180	1.37
2480MHz_TX	Pass	AV	2.48G	103.69	Inf	-Inf	3	Horizontal	283	1.12
2480MHz_TX	Pass	AV	2.4835G	48.41	54.00	-5.59	3	Horizontal	283	1.12
2480MHz_TX	Pass	PK	2.4804G	105.73	Inf	-Inf	3	Horizontal	283	1.12
2480MHz_TX	Pass	PK	2.4946G	58.25	74.00	-15.75	3	Horizontal	283	1.12
2480MHz_TX	Pass	AV	4.95904G	42.28	54.00	-11.72	3	Vertical	274	1.50
2480MHz_TX	Pass	AV	7.43876G	39.24	54.00	-14.76	3	Vertical	230	1.84
2480MHz_TX	Pass	PK	4.95992G	49.49	74.00	-24.51	3	Vertical	274	1.50
2480MHz_TX	Pass	PK	7.44144G	47.33	74.00	-26.67	3	Vertical	230	1.84
2480MHz_TX	Pass	AV	4.95988G	44.30	54.00	-9.70	3	Horizontal	322	1.15
2480MHz_TX	Pass	AV	7.43832G	37.19	54.00	-16.81	3	Horizontal	319	2.08
2480MHz_TX	Pass	PK	4.96G	51.10	74.00	-22.90	3	Horizontal	322	1.15
2480MHz_TX	Pass	PK	7.44016G	46.60	74.00	-27.40	3	Horizontal	319	2.08

2.4-2.4835GHz_BT-LE(1Mbps)

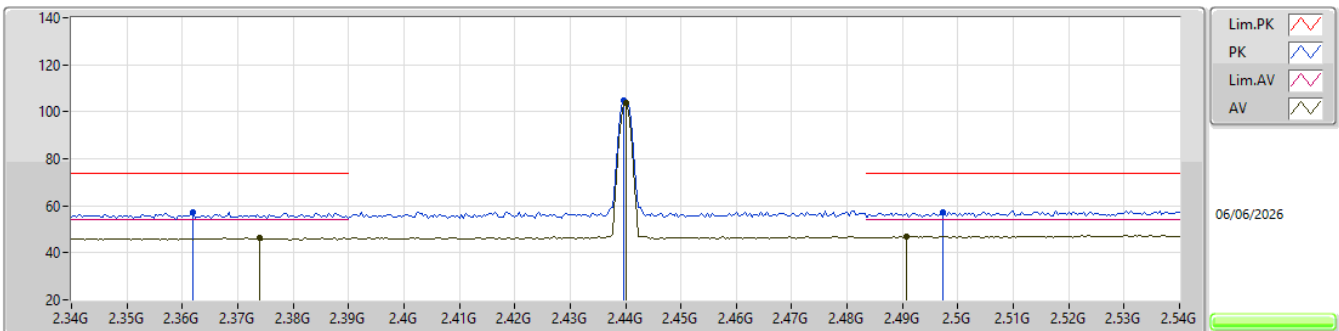
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	46.32	54.00	-7.68	31.65	3	Vertical	179	1.21	14.67	27.40	4.25	-
AV	2.44G	113.73	Inf	-Inf	31.88	3	Vertical	179	1.21	81.85	27.60	4.28	-
AV	2.4896G	47.12	54.00	-6.88	32.20	3	Vertical	179	1.21	14.92	27.90	4.30	-
PK	2.3544G	57.23	74.00	-16.77	31.51	3	Vertical	179	1.21	25.72	27.30	4.21	-
PK	2.4404G	114.56	Inf	-Inf	31.88	3	Vertical	179	1.21	82.68	27.60	4.28	-
PK	2.4948G	57.70	74.00	-16.30	32.21	3	Vertical	179	1.21	25.49	27.90	4.31	-

2.4-2.4835GHz_BT-LE(1Mbps)

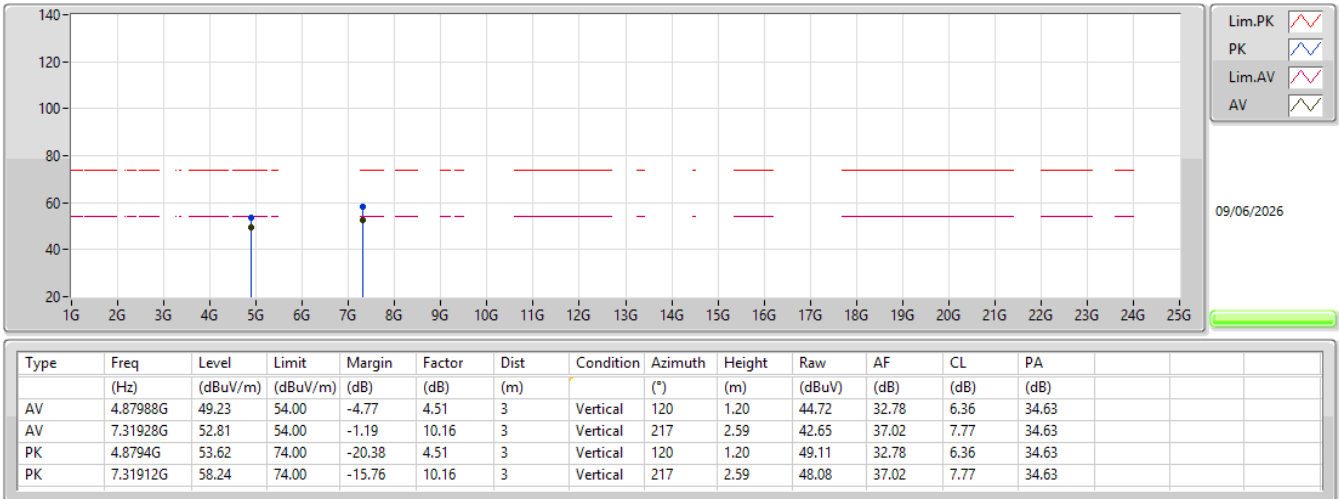
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.374G	46.30	54.00	-7.70	31.53	3	Horizontal	344	1.50	14.77	27.30	4.23	-
AV	2.44G	103.78	Inf	-Inf	31.88	3	Horizontal	344	1.50	71.90	27.60	4.28	-
AV	2.4908G	46.95	54.00	-7.05	32.21	3	Horizontal	344	1.50	14.74	27.90	4.31	-
PK	2.362G	57.29	74.00	-16.71	31.52	3	Horizontal	344	1.50	25.77	27.30	4.22	-
PK	2.4396G	104.61	Inf	-Inf	31.88	3	Horizontal	344	1.50	72.73	27.60	4.28	-
PK	2.4972G	57.29	74.00	-16.71	32.21	3	Horizontal	344	1.50	25.08	27.90	4.31	-

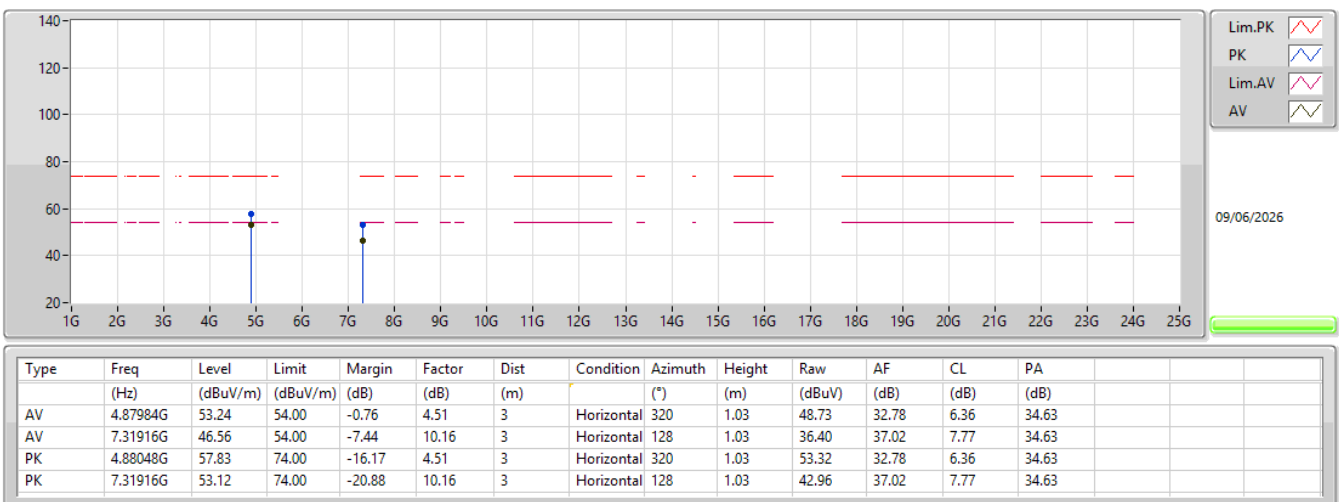
2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX



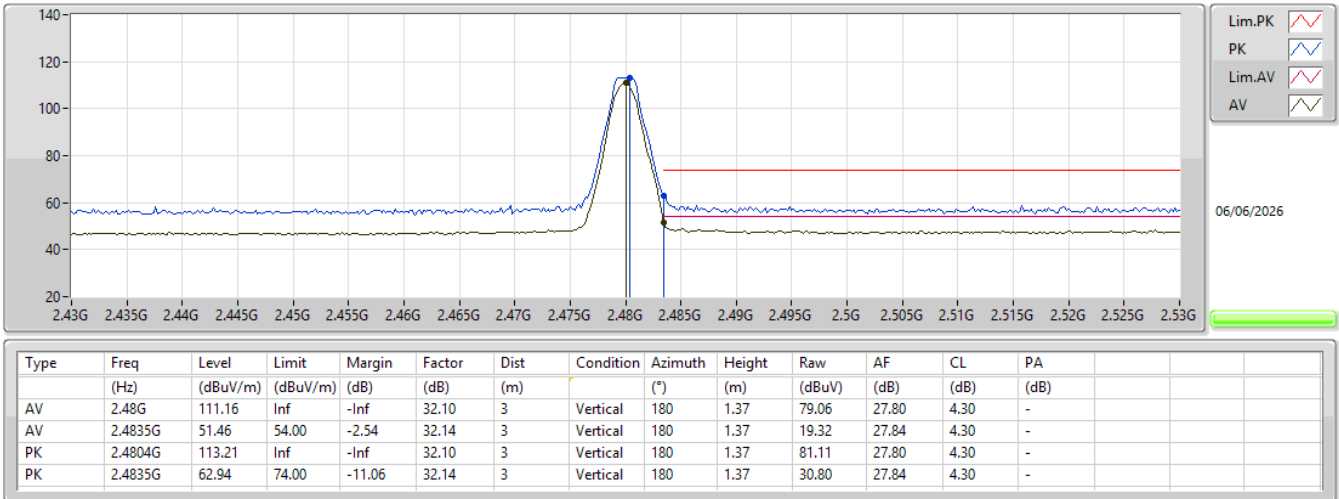
2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX



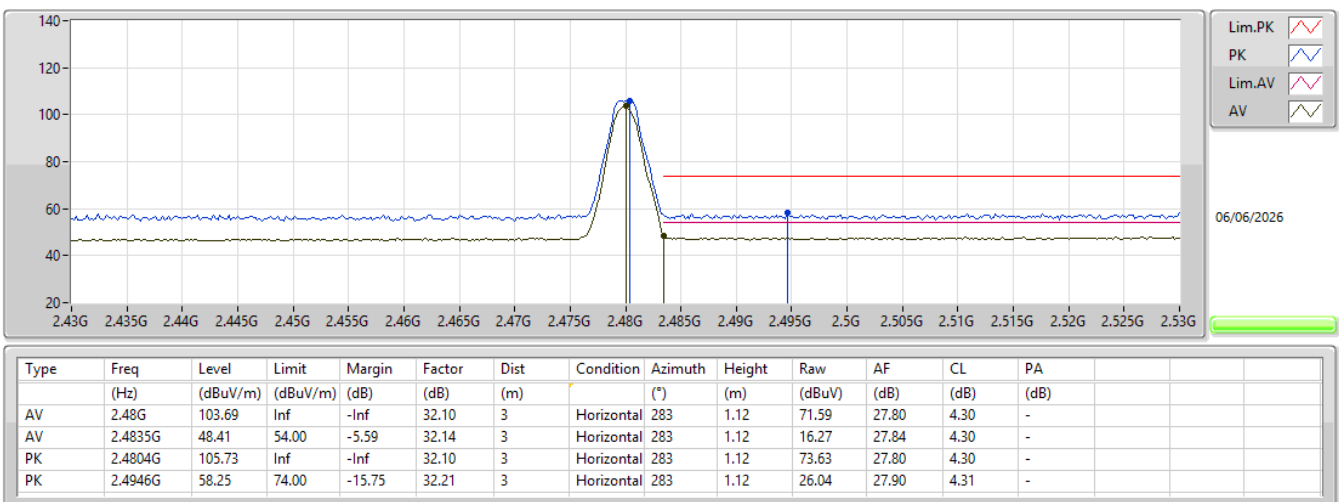
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



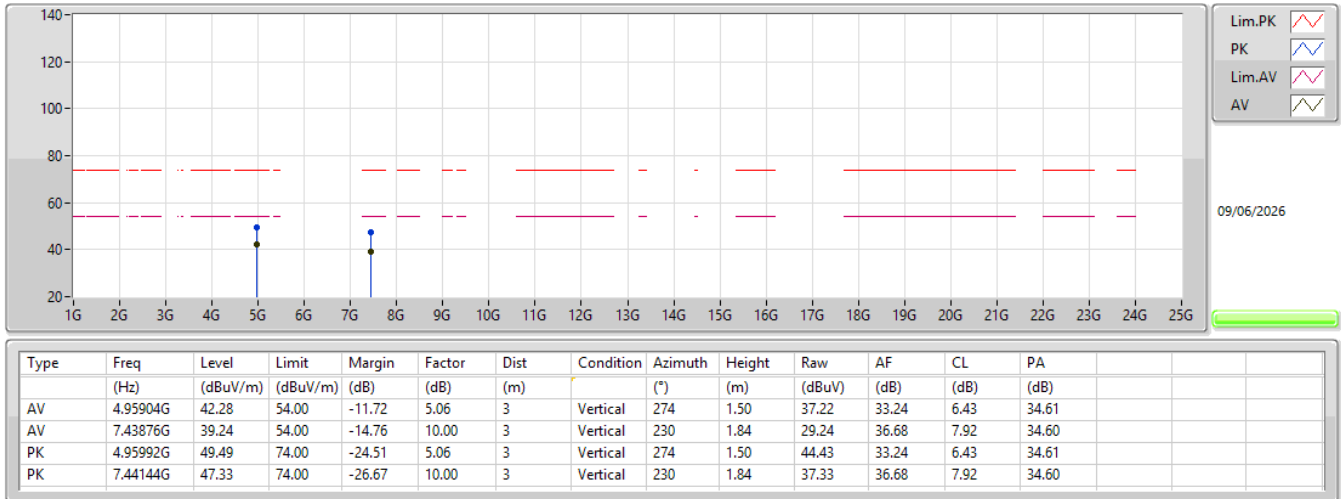
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



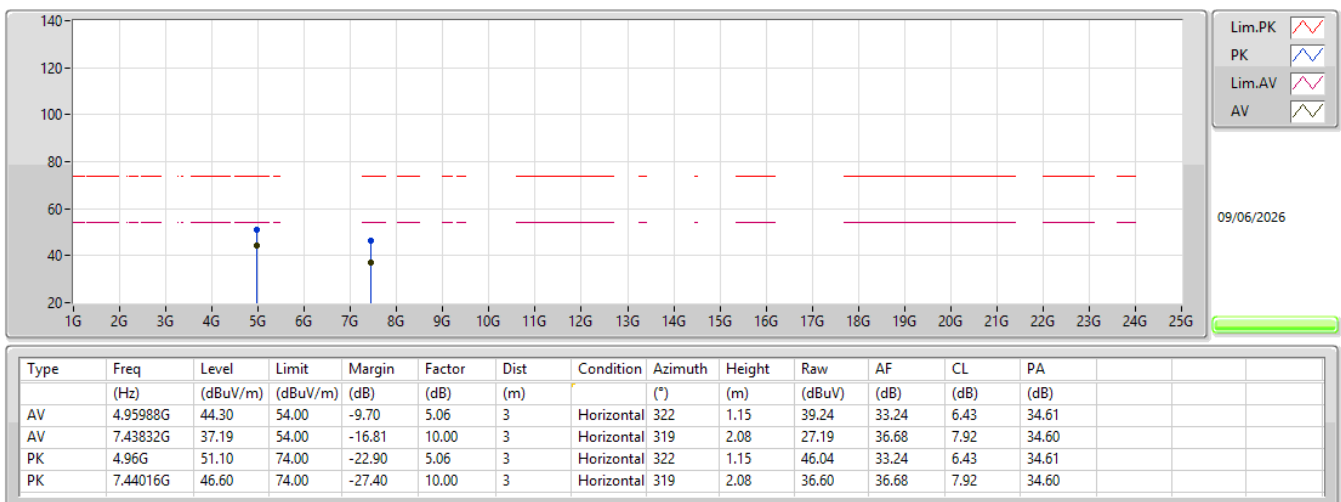
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX





Summary

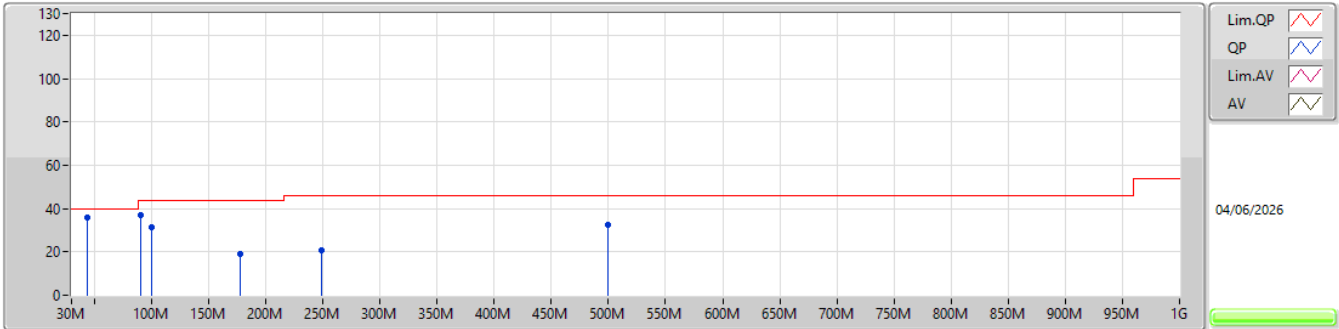
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	43.58M	35.79	40.00	-4.21	3	Vertical	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_Test Fixture	Pass	PK	43.58M	35.79	40.00	-4.21	3	Vertical	360	1.00
2440MHz_Test Fixture	Pass	PK	90.14M	36.80	43.50	-6.70	3	Vertical	360	1.00
2440MHz_Test Fixture	Pass	PK	99.84M	31.61	43.50	-11.89	3	Vertical	360	1.00
2440MHz_Test Fixture	Pass	PK	177.44M	19.22	43.50	-24.28	3	Vertical	360	1.00
2440MHz_Test Fixture	Pass	PK	249.22M	21.00	46.00	-25.00	3	Vertical	360	1.00
2440MHz_Test Fixture	Pass	PK	499.48M	32.64	46.00	-13.36	3	Vertical	360	1.00
2440MHz_Test Fixture	Pass	PK	99.84M	34.73	43.50	-8.77	3	Horizontal	0	1.00
2440MHz_Test Fixture	Pass	PK	249.22M	33.81	46.00	-12.19	3	Horizontal	0	1.00
2440MHz_Test Fixture	Pass	PK	375.32M	38.64	46.00	-7.36	3	Horizontal	0	1.00
2440MHz_Test Fixture	Pass	PK	499.48M	38.42	46.00	-7.58	3	Horizontal	0	1.00
2440MHz_Test Fixture	Pass	PK	625.58M	32.35	46.00	-13.65	3	Horizontal	0	1.00
2440MHz_Test Fixture	Pass	PK	743.92M	29.86	46.00	-16.14	3	Horizontal	0	1.00

2.4-2.4835GHz_BT-LE(2Mbps)

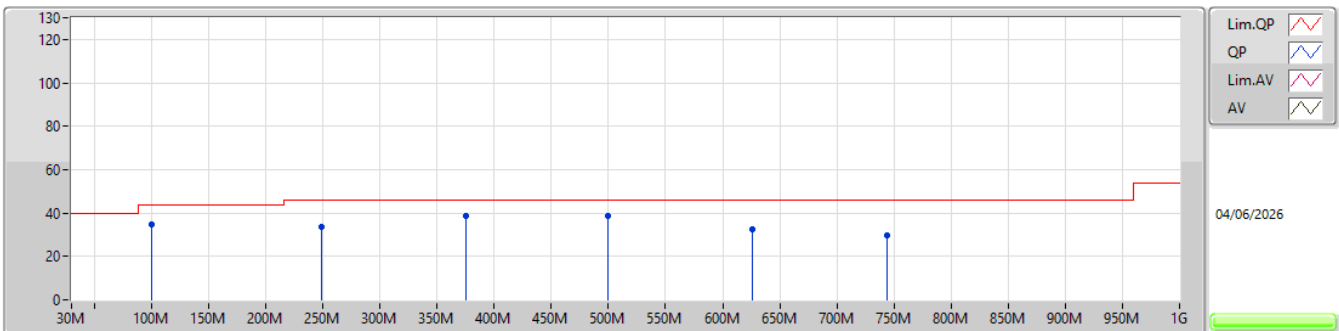
2440MHz_Test Fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	43.58M	35.79	40.00	-4.21	-8.60	3	Vertical	360	1.00	44.39	15.94	1.21	25.75
PK	90.14M	36.80	43.50	-6.70	-12.35	3	Vertical	360	1.00	49.15	13.89	1.68	27.92
PK	99.84M	31.61	43.50	-11.89	-10.65	3	Vertical	360	1.00	42.26	15.46	1.77	27.88
PK	177.44M	19.22	43.50	-24.28	-11.44	3	Vertical	360	1.00	30.66	13.82	2.32	27.58
PK	249.22M	21.00	46.00	-25.00	-7.54	3	Vertical	360	1.00	28.54	16.92	2.73	27.19
PK	499.48M	32.64	46.00	-13.36	-2.48	3	Vertical	360	1.00	35.12	21.99	3.92	28.39

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Test Fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	99.84M	34.73	43.50	-8.77	-10.65	3	Horizontal	0	1.00	45.38	15.46	1.77	27.88
PK	249.22M	33.81	46.00	-12.19	-7.54	3	Horizontal	0	1.00	41.35	16.92	2.73	27.19
PK	375.32M	38.64	46.00	-7.36	-4.71	3	Horizontal	0	1.00	43.35	19.68	3.29	27.68
PK	499.48M	38.42	46.00	-7.58	-2.48	3	Horizontal	0	1.00	40.90	21.99	3.92	28.39
PK	625.58M	32.35	46.00	-13.65	-0.30	3	Horizontal	0	1.00	32.65	23.71	4.39	28.40
PK	743.92M	29.86	46.00	-16.14	0.88	3	Horizontal	0	1.00	28.98	24.21	4.85	28.18

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	2.484G	47.04	54.00	-6.96	3	Horizontal	49	2.73
BT-LE(2Mbps)	Pass	AV	4.80302G	52.08	54.00	-1.92	3	Horizontal	314	2.66

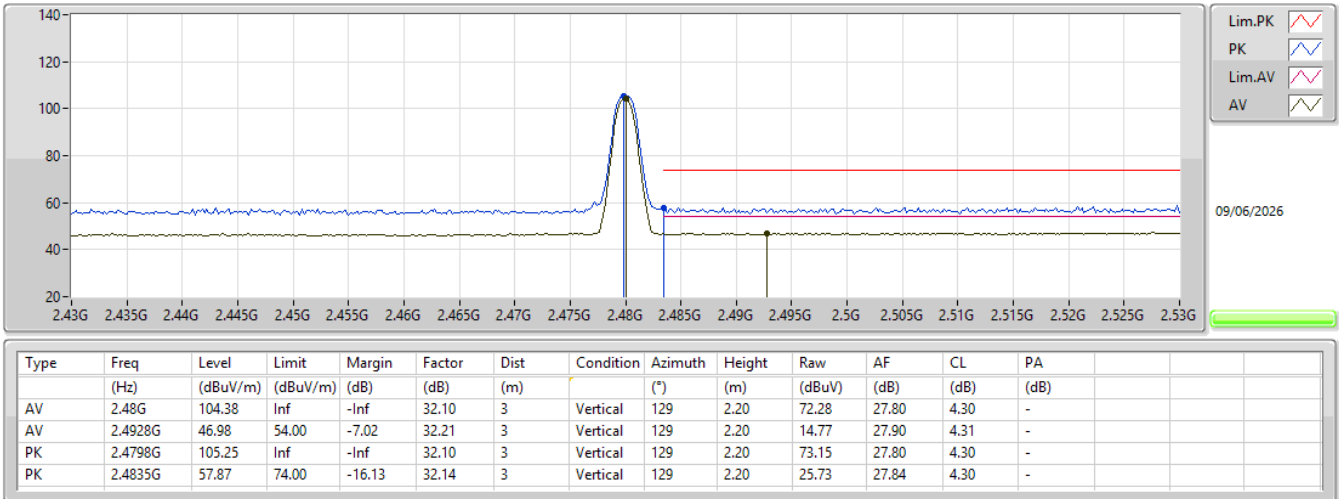
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.389G	46.45	54.00	-7.55	3	Vertical	254	2.82
2402MHz	Pass	AV	2.402G	107.84	Inf	-Inf	3	Vertical	254	2.82
2402MHz	Pass	PK	2.371G	57.65	74.00	-16.35	3	Vertical	254	2.82
2402MHz	Pass	PK	2.4018G	108.76	Inf	-Inf	3	Vertical	254	2.82
2402MHz	Pass	AV	2.39G	46.74	54.00	-7.26	3	Horizontal	212	1.40
2402MHz	Pass	AV	2.402G	112.47	Inf	-Inf	3	Horizontal	212	1.40
2402MHz	Pass	PK	2.3762G	57.15	74.00	-16.85	3	Horizontal	212	1.40
2402MHz	Pass	PK	2.4018G	113.37	Inf	-Inf	3	Horizontal	212	1.40
2402MHz	Pass	AV	4.80392G	37.58	54.00	-16.42	3	Vertical	239	1.83
2402MHz	Pass	PK	4.80335G	47.09	74.00	-26.91	3	Vertical	239	1.83
2402MHz	Pass	AV	4.80393G	41.80	54.00	-12.20	3	Horizontal	7	1.02
2402MHz	Pass	PK	4.80351G	49.86	74.00	-24.14	3	Horizontal	7	1.02
2402MHz	Pass	AV	2.3668G	46.27	54.00	-7.73	3	Vertical	198	2.10
2440MHz	Pass	AV	2.44G	102.30	Inf	-Inf	3	Vertical	198	2.10
2440MHz	Pass	AV	2.4984G	46.88	54.00	-7.12	3	Vertical	198	2.10
2440MHz	Pass	PK	2.3768G	57.29	74.00	-16.71	3	Vertical	198	2.10
2440MHz	Pass	PK	2.4396G	103.17	Inf	-Inf	3	Vertical	198	2.10
2440MHz	Pass	PK	2.4936G	58.46	74.00	-15.54	3	Vertical	198	2.10
2440MHz	Pass	AV	2.3684G	46.22	54.00	-7.78	3	Horizontal	180	1.93
2440MHz	Pass	AV	2.44G	109.98	Inf	-Inf	3	Horizontal	180	1.93
2440MHz	Pass	AV	2.4916G	46.88	54.00	-7.12	3	Horizontal	180	1.93
2440MHz	Pass	PK	2.3864G	57.63	74.00	-16.37	3	Horizontal	180	1.93
2440MHz	Pass	PK	2.4404G	110.81	Inf	-Inf	3	Horizontal	180	1.93
2440MHz	Pass	PK	2.4848G	57.10	74.00	-16.90	3	Horizontal	180	1.93
2440MHz	Pass	AV	4.88034G	35.94	54.00	-18.06	3	Vertical	213	2.25
2440MHz	Pass	AV	7.31923G	38.34	54.00	-15.66	3	Vertical	218	2.79
2440MHz	Pass	PK	4.87995G	46.58	74.00	-27.42	3	Vertical	213	2.25
2440MHz	Pass	PK	7.32008G	48.19	74.00	-25.81	3	Vertical	218	2.79
2440MHz	Pass	AV	4.87947G	36.77	54.00	-17.23	3	Horizontal	180	1.00
2440MHz	Pass	AV	7.31928G	40.08	54.00	-13.92	3	Horizontal	309	2.18
2440MHz	Pass	PK	4.87969G	46.03	74.00	-27.97	3	Horizontal	180	1.00
2440MHz	Pass	PK	7.32045G	49.25	74.00	-24.75	3	Horizontal	309	2.18
2480MHz	Pass	AV	2.48G	104.38	Inf	-Inf	3	Vertical	129	2.20
2480MHz	Pass	AV	2.4928G	46.98	54.00	-7.02	3	Vertical	129	2.20
2480MHz	Pass	PK	2.4798G	105.25	Inf	-Inf	3	Vertical	129	2.20
2480MHz	Pass	PK	2.4835G	57.87	74.00	-16.13	3	Vertical	129	2.20
2480MHz	Pass	AV	2.48G	106.31	Inf	-Inf	3	Horizontal	49	2.73
2480MHz	Pass	AV	2.484G	47.04	54.00	-6.96	3	Horizontal	49	2.73
2480MHz	Pass	PK	2.4802G	107.15	Inf	-Inf	3	Horizontal	49	2.73
2480MHz	Pass	PK	2.4934G	58.18	74.00	-15.82	3	Horizontal	49	2.73
2480MHz	Pass	AV	4.96005G	37.51	54.00	-16.49	3	Vertical	246	1.18
2480MHz	Pass	AV	7.43935G	36.24	54.00	-17.76	3	Vertical	266	2.57
2480MHz	Pass	PK	4.96004G	46.22	74.00	-27.78	3	Vertical	246	1.18
2480MHz	Pass	PK	7.43896G	46.71	74.00	-27.29	3	Vertical	266	2.57
2480MHz	Pass	AV	4.95984G	40.18	54.00	-13.82	3	Horizontal	179	1.08
2480MHz	Pass	AV	7.43993G	35.97	54.00	-18.03	3	Horizontal	9	1.17
2480MHz	Pass	PK	4.95981G	47.18	74.00	-26.82	3	Horizontal	179	1.08
2480MHz	Pass	PK	7.43916G	46.73	74.00	-27.27	3	Horizontal	9	1.17
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.365G	46.73	54.00	-7.27	3	Vertical	252	2.75
2402MHz	Pass	AV	2.402G	107.11	Inf	-Inf	3	Vertical	252	2.75
2402MHz	Pass	PK	2.3882G	57.11	74.00	-16.89	3	Vertical	252	2.75
2402MHz	Pass	PK	2.4014G	109.24	Inf	-Inf	3	Vertical	252	2.75
2402MHz	Pass	AV	2.389G	47.18	54.00	-6.82	3	Horizontal	212	1.40
2402MHz	Pass	AV	2.402G	111.40	Inf	-Inf	3	Horizontal	212	1.40
2402MHz	Pass	PK	2.384G	57.30	74.00	-16.70	3	Horizontal	212	1.40
2402MHz	Pass	PK	2.4014G	113.49	Inf	-Inf	3	Horizontal	212	1.40
2402MHz	Pass	AV	4.803G	48.16	54.00	-5.84	3	Vertical	126	3.00
2402MHz	Pass	PK	4.803G	54.40	74.00	-19.60	3	Vertical	126	3.00
2402MHz	Pass	AV	4.80302G	52.08	54.00	-1.92	3	Horizontal	314	2.66

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2402MHz	Pass	PK	4.80498G	57.86	74.00	-16.14	3	Horizontal	314	2.66
2440MHz	Pass	AV	2.368G	46.73	54.00	-7.27	3	Vertical	200	2.11
2440MHz	Pass	AV	2.44G	101.42	Inf	-Inf	3	Vertical	200	2.11
2440MHz	Pass	AV	2.4972G	47.54	54.00	-6.46	3	Vertical	200	2.11
2440MHz	Pass	PK	2.3424G	57.59	74.00	-16.41	3	Vertical	200	2.11
2440MHz	Pass	PK	2.4396G	103.43	Inf	-Inf	3	Vertical	200	2.11
2440MHz	Pass	PK	2.4872G	57.44	74.00	-16.56	3	Vertical	200	2.11
2440MHz	Pass	AV	2.3608G	46.79	54.00	-7.21	3	Horizontal	180	2.69
2440MHz	Pass	AV	2.44G	108.32	Inf	-Inf	3	Horizontal	180	2.69
2440MHz	Pass	AV	2.4904G	47.42	54.00	-6.58	3	Horizontal	180	2.69
2440MHz	Pass	PK	2.376G	57.47	74.00	-16.53	3	Horizontal	180	2.69
2440MHz	Pass	PK	2.4404G	110.46	Inf	-Inf	3	Horizontal	180	2.69
2440MHz	Pass	PK	2.4904G	57.75	74.00	-16.25	3	Horizontal	180	2.69
2440MHz	Pass	AV	4.87975G	35.62	54.00	-18.38	3	Vertical	214	1.78
2440MHz	Pass	AV	7.31838G	37.80	54.00	-16.20	3	Vertical	213	2.73
2440MHz	Pass	PK	4.88233G	46.45	74.00	-27.55	3	Vertical	214	1.78
2440MHz	Pass	PK	7.31855G	47.74	74.00	-26.26	3	Vertical	213	2.73
2440MHz	Pass	AV	4.87886G	36.04	54.00	-17.96	3	Horizontal	180	1.34
2440MHz	Pass	AV	7.32108G	38.72	54.00	-15.28	3	Horizontal	32	1.10
2440MHz	Pass	PK	4.87921G	46.05	74.00	-27.95	3	Horizontal	180	1.34
2440MHz	Pass	PK	7.31841G	47.74	74.00	-26.26	3	Horizontal	32	1.10
2480MHz	Pass	AV	2.48G	102.95	Inf	-Inf	3	Vertical	198	2.20
2480MHz	Pass	AV	2.4836G	47.90	54.00	-6.10	3	Vertical	198	2.20
2480MHz	Pass	PK	2.4794G	105.04	Inf	-Inf	3	Vertical	198	2.20
2480MHz	Pass	PK	2.4972G	58.28	74.00	-15.72	3	Vertical	198	2.20
2480MHz	Pass	AV	2.48G	110.99	Inf	-Inf	3	Horizontal	181	1.10
2480MHz	Pass	AV	2.4835G	51.27	54.00	-2.73	3	Horizontal	181	1.10
2480MHz	Pass	PK	2.4794G	113.04	Inf	-Inf	3	Horizontal	181	1.10
2480MHz	Pass	PK	2.4835G	63.26	74.00	-10.74	3	Horizontal	181	1.10
2480MHz	Pass	AV	4.95992G	37.64	54.00	-16.36	3	Vertical	214	2.17
2480MHz	Pass	AV	7.43875G	37.69	54.00	-16.31	3	Vertical	201	1.71
2480MHz	Pass	PK	4.95985G	46.33	74.00	-27.67	3	Vertical	214	2.17
2480MHz	Pass	PK	7.43997G	46.85	74.00	-27.15	3	Vertical	201	1.71
2480MHz	Pass	AV	4.9589G	36.86	54.00	-17.14	3	Horizontal	350	1.50
2480MHz	Pass	AV	7.43858G	38.41	54.00	-15.59	3	Horizontal	310	1.99
2480MHz	Pass	PK	4.96071G	45.48	74.00	-28.52	3	Horizontal	350	1.50
2480MHz	Pass	PK	7.43837G	47.54	74.00	-26.46	3	Horizontal	310	1.99

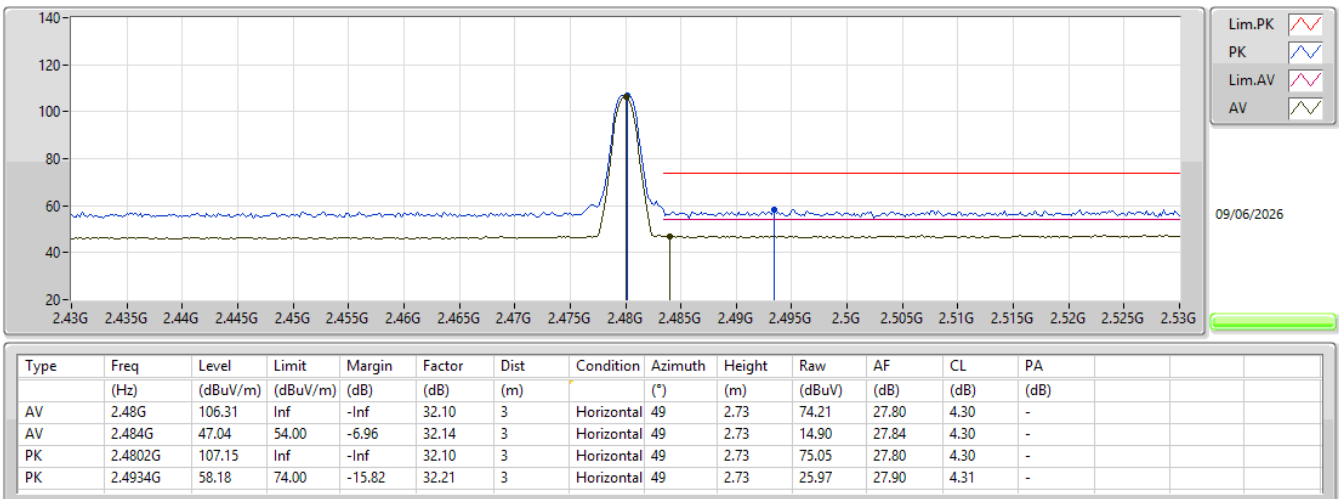
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



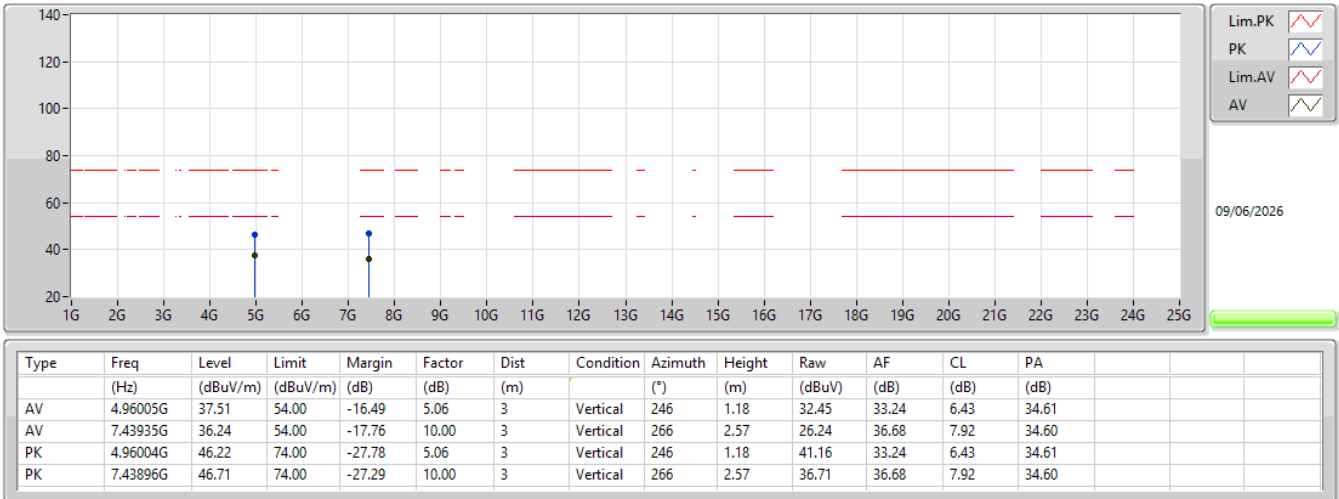
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2480MHz_TX



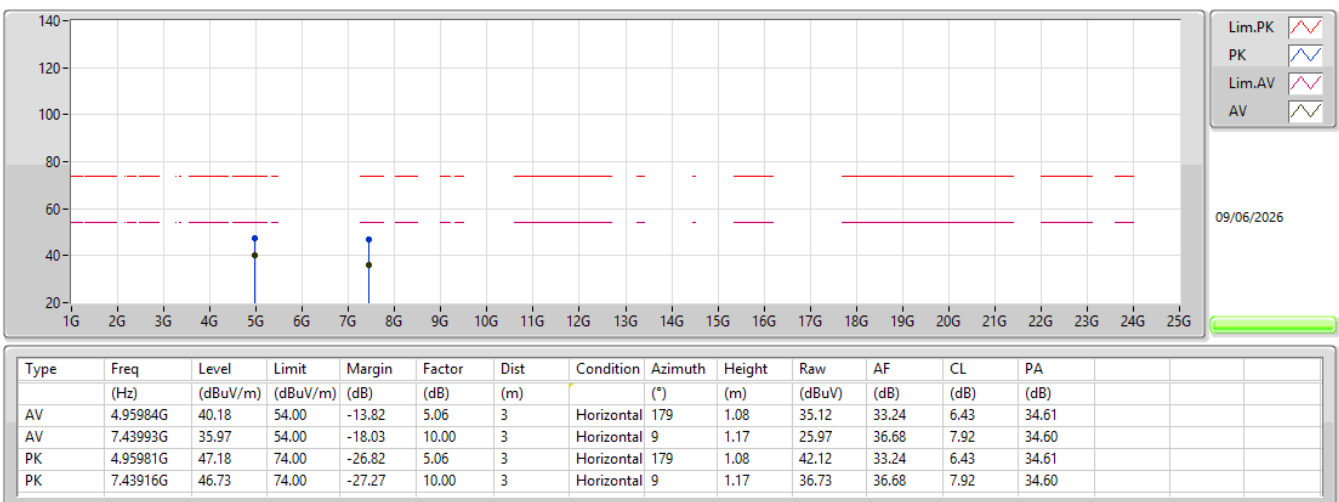
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2480MHz_TX



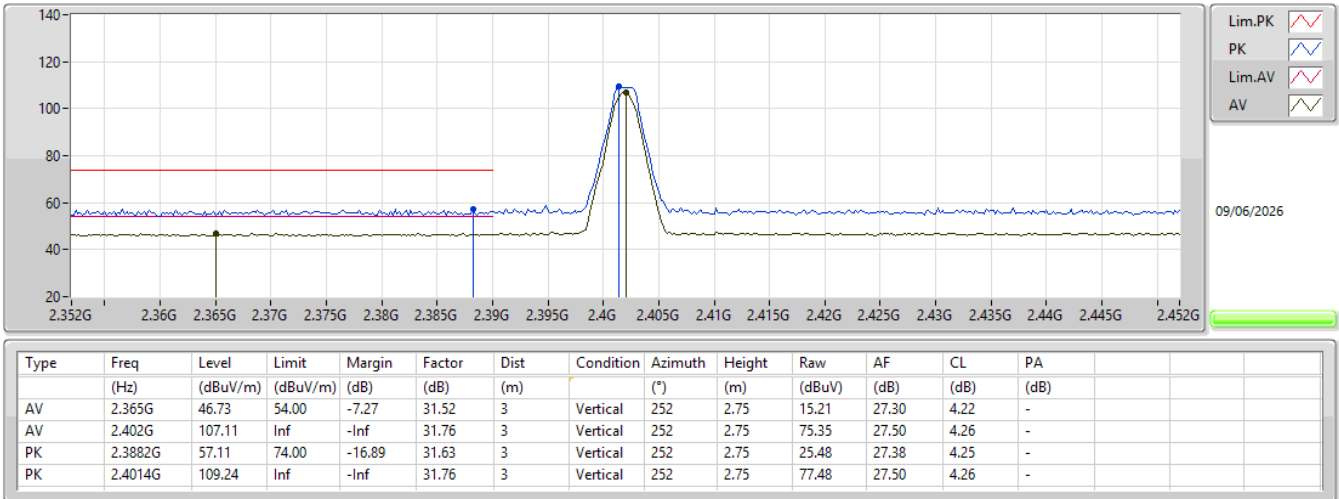
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



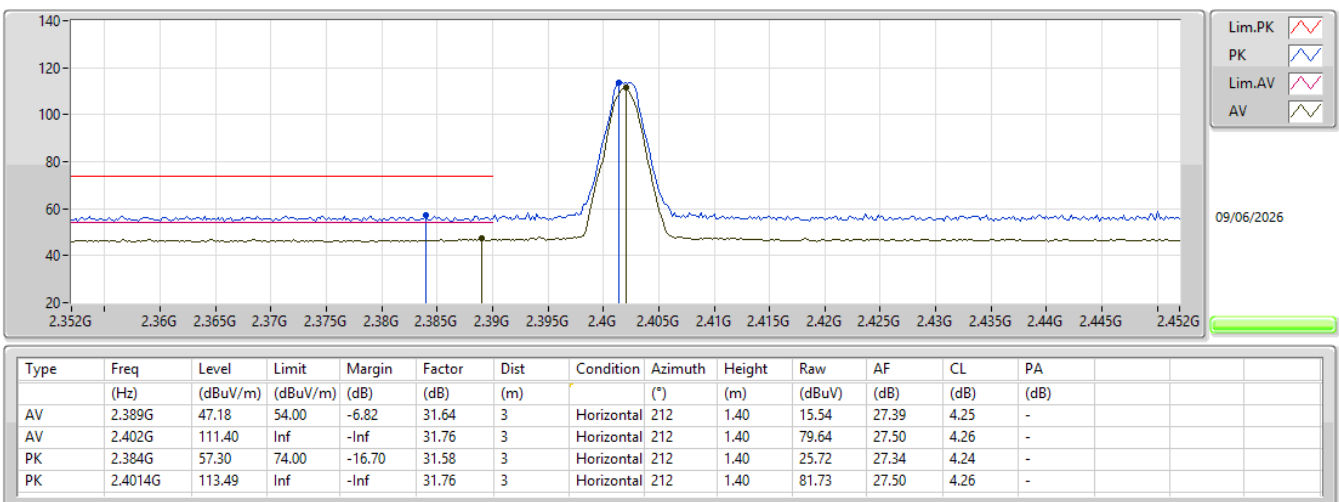
2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX



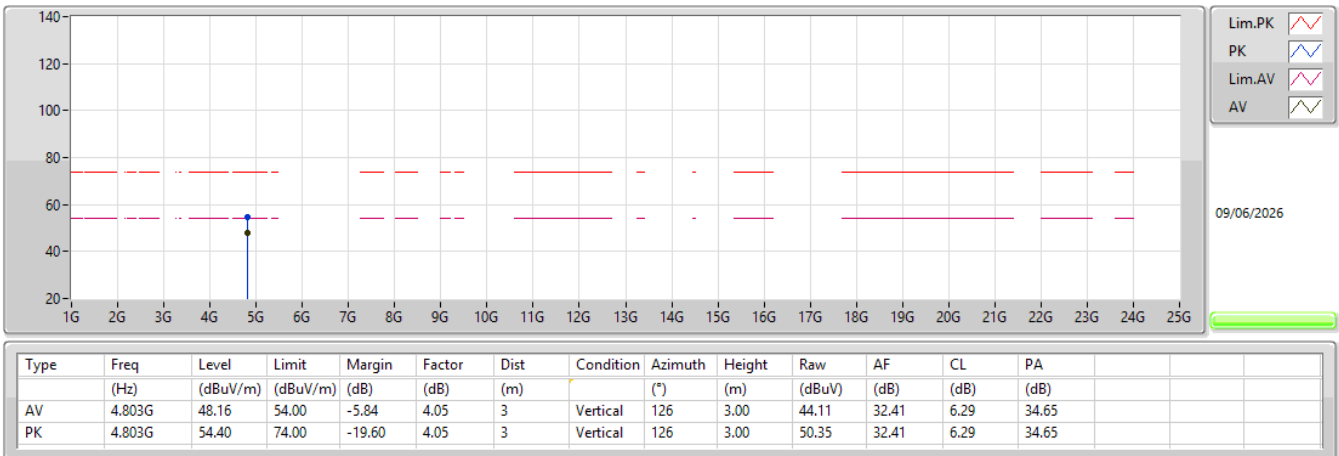
2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX



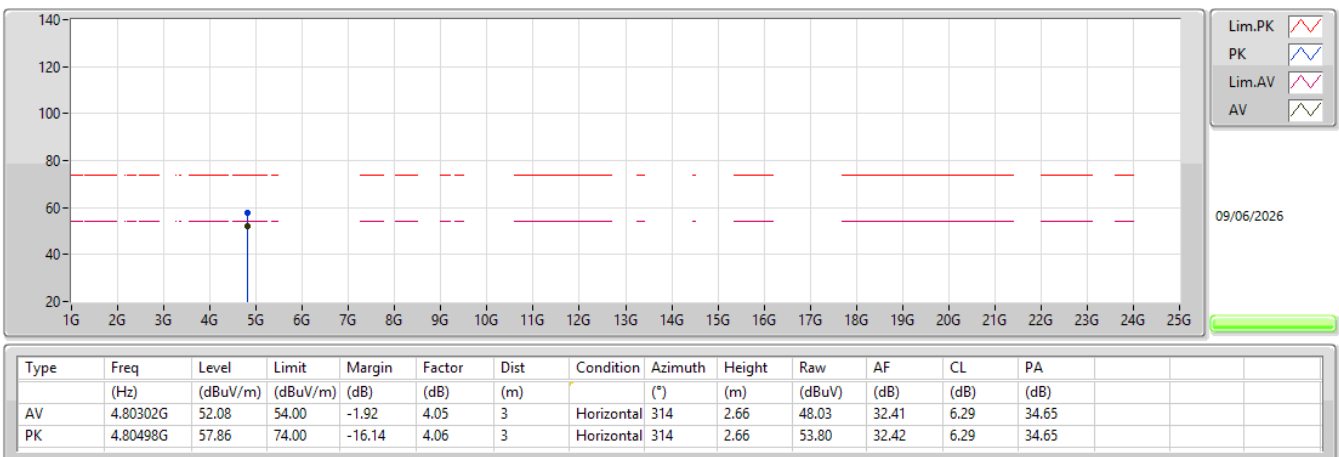
2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX





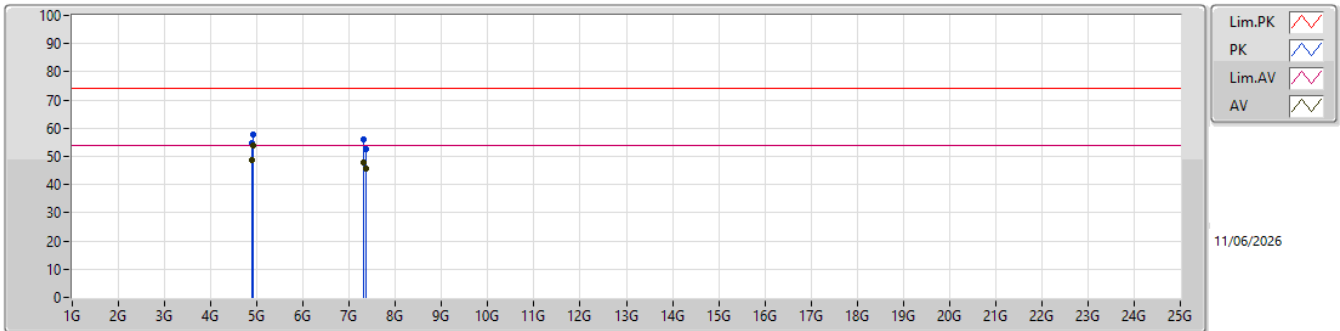
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.9139G	53.90	54.00	-0.10	Horizontal
Mode 2	Pass	AV	4.87986G	50.01	54.00	-3.99	Vertical
Mode 3	Pass	AV	4.87989G	47.64	54.00	-6.36	Vertical

Result

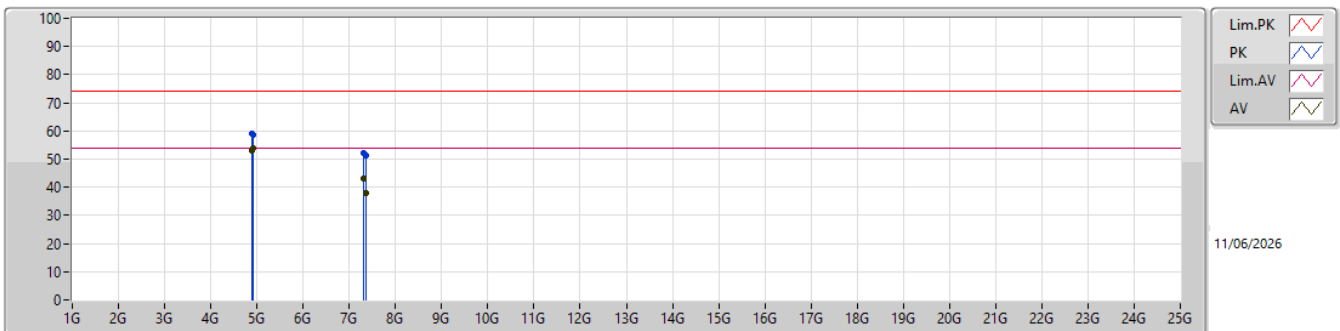
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.87982G	48.80	54.00	-5.20	3	Vertical	10	1.08	-
Mode 1	Pass	AV	4.91384G	53.89	54.00	-0.11	3	Vertical	323	1.50	-
Mode 1	Pass	AV	7.31929G	47.97	54.00	-6.03	3	Vertical	220	1.50	-
Mode 1	Pass	AV	7.3716G	45.68	54.00	-8.32	3	Vertical	6	1.41	-
Mode 1	Pass	PK	4.87968G	54.56	74.00	-19.44	3	Vertical	10	1.08	-
Mode 1	Pass	PK	4.91412G	57.59	74.00	-16.41	3	Vertical	323	1.50	-
Mode 1	Pass	PK	7.32052G	56.11	74.00	-17.89	3	Vertical	220	1.50	-
Mode 1	Pass	PK	7.37122G	52.65	74.00	-21.35	3	Vertical	6	1.41	-
Mode 1	Pass	AV	4.87979G	52.96	54.00	-1.04	3	Horizontal	317	2.36	-
Mode 1	Pass	AV	4.9139G	53.90	54.00	-0.10	3	Horizontal	320	2.33	-
Mode 1	Pass	AV	7.31932G	43.31	54.00	-10.69	3	Horizontal	330	1.00	-
Mode 1	Pass	AV	7.37164G	38.01	54.00	-15.99	3	Horizontal	312	1.32	-
Mode 1	Pass	PK	4.87951G	59.11	74.00	-14.89	3	Horizontal	317	2.36	-
Mode 1	Pass	PK	4.91406G	58.45	74.00	-15.55	3	Horizontal	320	2.33	-
Mode 1	Pass	PK	7.3193G	52.19	74.00	-21.81	3	Horizontal	330	1.00	-
Mode 1	Pass	PK	7.3701G	51.16	74.00	-22.84	3	Horizontal	312	1.32	-
Mode 2	Pass	AV	4.87986G	50.01	54.00	-3.99	3	Vertical	327	2.03	-
Mode 2	Pass	AV	7.3193G	37.19	54.00	-16.81	3	Vertical	272	1.84	-
Mode 2	Pass	AV	10.4G	39.39	68.20	-28.81	3	Vertical	317	1.50	-
Mode 2	Pass	AV	15.6111G	37.83	54.00	-16.17	3	Vertical	6	2.24	-
Mode 2	Pass	PK	4.87946G	55.69	74.00	-18.31	3	Vertical	327	2.03	-
Mode 2	Pass	PK	7.31957G	48.27	74.00	-25.73	3	Vertical	272	1.84	-
Mode 2	Pass	PK	10.39724G	51.01	68.20	-17.19	3	Vertical	330	1.50	-
Mode 2	Pass	PK	15.59112G	49.47	74.00	-24.53	3	Vertical	6	2.24	-
Mode 2	Pass	AV	4.87992G	46.87	54.00	-7.13	3	Horizontal	216	1.80	-
Mode 2	Pass	AV	7.31895G	34.61	54.00	-19.39	3	Horizontal	168	1.12	-
Mode 2	Pass	AV	10.3997G	38.01	68.20	-30.19	3	Horizontal	310	2.30	-
Mode 2	Pass	AV	15.59928G	37.97	54.00	-16.03	3	Horizontal	245	1.29	-
Mode 2	Pass	PK	4.87991G	53.23	74.00	-20.77	3	Horizontal	216	1.80	-
Mode 2	Pass	PK	7.31792G	46.65	74.00	-27.35	3	Horizontal	168	1.12	-
Mode 2	Pass	PK	10.39868G	49.60	68.20	-18.60	3	Horizontal	310	2.30	-
Mode 2	Pass	PK	15.60084G	50.66	74.00	-23.34	3	Horizontal	245	1.29	-
Mode 3	Pass	AV	4.87989G	47.64	54.00	-6.36	3	Vertical	318	2.13	-
Mode 3	Pass	AV	7.31934G	37.15	54.00	-16.85	3	Vertical	247	1.50	-
Mode 3	Pass	AV	11.9298G	39.68	54.00	-14.32	3	Vertical	329	2.48	-
Mode 3	Pass	PK	4.88046G	53.26	74.00	-20.74	3	Vertical	318	2.13	-
Mode 3	Pass	PK	7.31947G	49.06	74.00	-24.94	3	Vertical	247	1.50	-
Mode 3	Pass	PK	11.92984G	50.74	74.00	-23.26	3	Vertical	329	2.48	-
Mode 3	Pass	AV	4.87986G	47.03	54.00	-6.97	3	Horizontal	295	1.12	-
Mode 3	Pass	AV	7.32G	34.68	54.00	-19.32	3	Horizontal	334	1.50	-
Mode 3	Pass	AV	11.92986G	37.89	54.00	-16.11	3	Horizontal	281	1.13	-
Mode 3	Pass	PK	4.88G	53.64	74.00	-20.36	3	Horizontal	295	1.12	-
Mode 3	Pass	PK	7.31778G	47.01	74.00	-26.99	3	Horizontal	334	1.50	-
Mode 3	Pass	PK	11.93038G	49.50	74.00	-24.50	3	Horizontal	281	1.13	-

Radiated Emissions above 1GHz_Mode 1



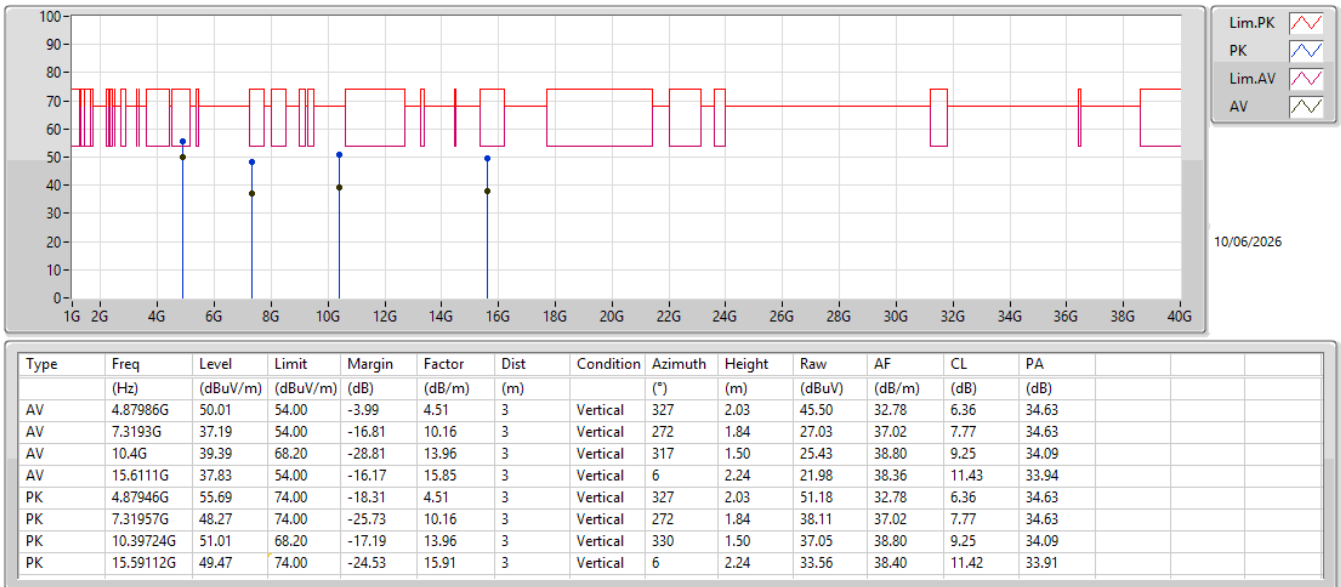
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.87982G	48.80	54.00	-5.20	4.51	3	Vertical	10	1.08	44.29	32.78	6.36	34.63
AV	4.91384G	53.89	54.00	-0.11	4.75	3	Vertical	323	1.50	49.14	32.98	6.39	34.62
AV	7.31929G	47.97	54.00	-6.03	10.16	3	Vertical	220	1.50	37.81	37.02	7.77	34.63
AV	7.3716G	45.68	54.00	-8.32	10.01	3	Vertical	6	1.41	35.67	36.77	7.86	34.62
PK	4.87968G	54.56	74.00	-19.44	4.51	3	Vertical	10	1.08	50.05	32.78	6.36	34.63
PK	4.91412G	57.59	74.00	-16.41	4.75	3	Vertical	323	1.50	52.84	32.98	6.39	34.62
PK	7.32052G	56.11	74.00	-17.89	10.16	3	Vertical	220	1.50	45.95	37.02	7.77	34.63
PK	7.37122G	52.65	74.00	-21.35	10.01	3	Vertical	6	1.41	42.64	36.77	7.86	34.62

Radiated Emissions above 1GHz_Mode 1

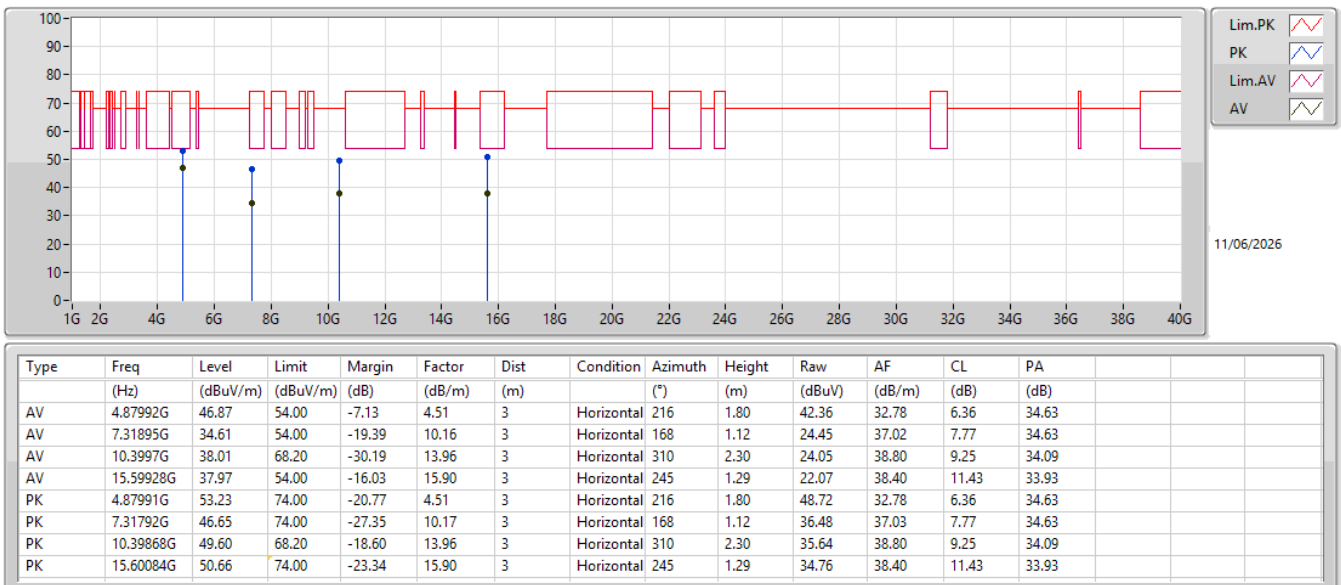


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.87979G	52.96	54.00	-1.04	4.51	3	Horizontal	317	2.36	48.45	32.78	6.36	34.63
AV	4.9139G	53.90	54.00	-0.10	4.75	3	Horizontal	320	2.33	49.15	32.98	6.39	34.62
AV	7.31932G	43.31	54.00	-10.69	10.16	3	Horizontal	330	1.00	33.15	37.02	7.77	34.63
AV	7.37164G	38.01	54.00	-15.99	10.01	3	Horizontal	312	1.32	28.00	36.77	7.86	34.62
PK	4.87951G	59.11	74.00	-14.89	4.51	3	Horizontal	317	2.36	54.60	32.78	6.36	34.63
PK	4.91406G	58.45	74.00	-15.55	4.75	3	Horizontal	320	2.33	53.70	32.98	6.39	34.62
PK	7.3193G	52.19	74.00	-21.81	10.16	3	Horizontal	330	1.00	42.03	37.02	7.77	34.63
PK	7.3701G	51.16	74.00	-22.84	10.02	3	Horizontal	312	1.32	41.14	36.78	7.86	34.62

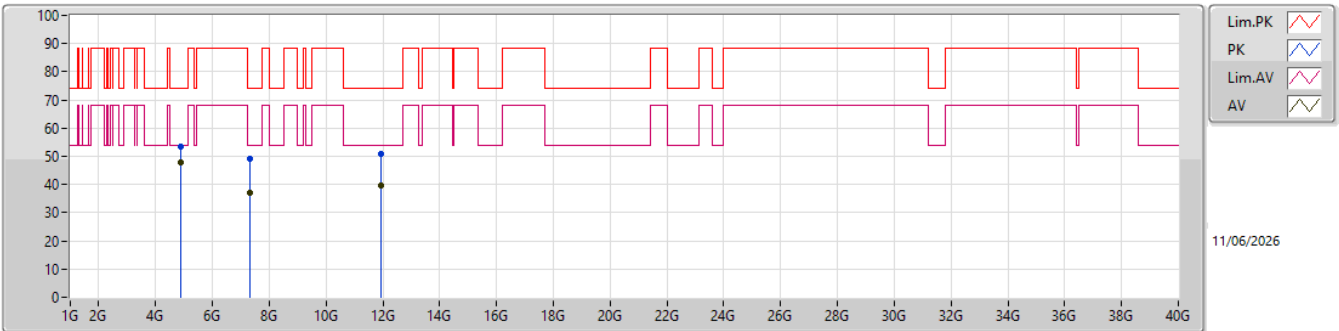
Radiated Emissions above 1GHz_Mode 2



Radiated Emissions above 1GHz_Mode 2

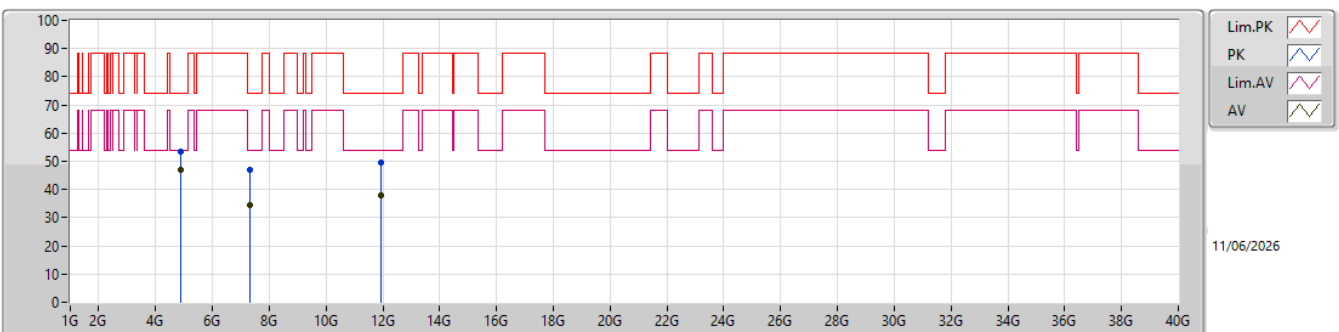


Radiated Emissions above 1GHz_Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.87989G	47.64	54.00	-6.36	4.51	3	Vertical	318	2.13	43.13	32.78	6.36	34.63				
AV	7.31934G	37.15	54.00	-16.85	10.16	3	Vertical	247	1.50	26.99	37.02	7.77	34.63				
AV	11.9298G	39.68	54.00	-14.32	15.04	3	Vertical	329	2.48	24.64	38.96	9.66	33.58				
PK	4.88046G	53.26	74.00	-20.74	4.51	3	Vertical	318	2.13	48.75	32.78	6.36	34.63				
PK	7.31947G	49.06	74.00	-24.94	10.16	3	Vertical	247	1.50	38.90	37.02	7.77	34.63				
PK	11.92984G	50.74	74.00	-23.26	15.04	3	Vertical	329	2.48	35.70	38.96	9.66	33.58				

Radiated Emissions above 1GHz_Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.87986G	47.03	54.00	-6.97	4.51	3	Horizontal	295	1.12	42.52	32.78	6.36	34.63				
AV	7.32G	34.68	54.00	-19.32	10.16	3	Horizontal	334	1.50	24.52	37.02	7.77	34.63				
AV	11.92986G	37.89	54.00	-16.11	15.04	3	Horizontal	281	1.13	22.85	38.96	9.66	33.58				
PK	4.88G	53.64	74.00	-20.36	4.51	3	Horizontal	295	1.12	49.13	32.78	6.36	34.63				
PK	7.31778G	47.01	74.00	-26.99	10.17	3	Horizontal	334	1.50	36.84	37.03	7.77	34.63				
PK	11.93038G	49.50	74.00	-24.50	15.04	3	Horizontal	281	1.13	34.46	38.96	9.66	33.58				



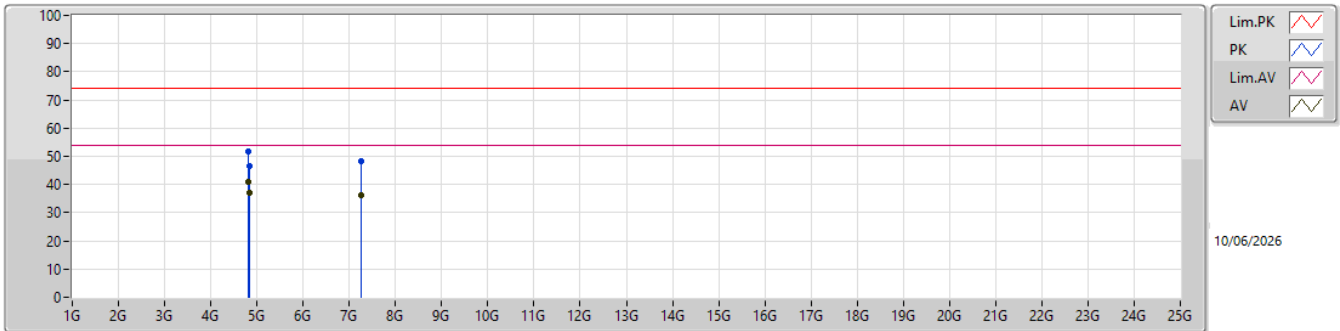
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.80312G	44.43	54.00	-9.57	Horizontal
Mode 2	Pass	AV	4.80394G	39.16	54.00	-14.84	Horizontal
Mode 3	Pass	AV	4.80305G	45.40	54.00	-8.60	Horizontal

Result

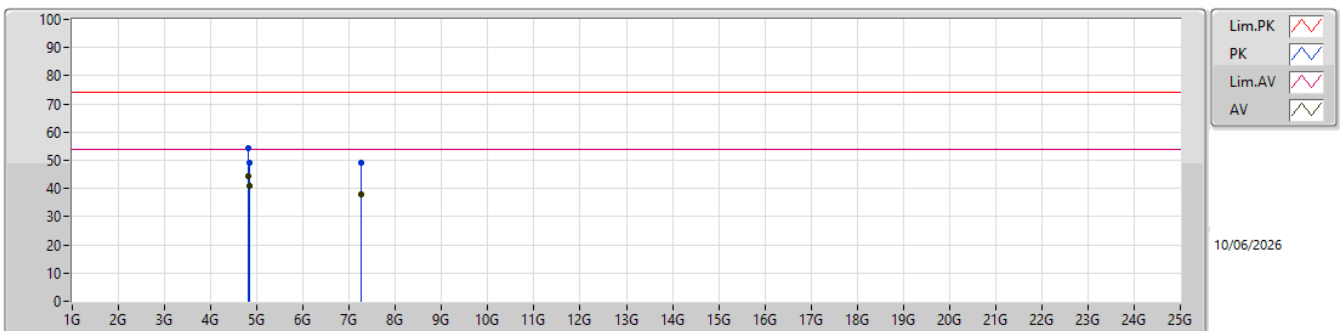
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.80297G	40.94	54.00	-13.06	3	Vertical	144	2.22	-
Mode 1	Pass	AV	4.83397G	36.90	54.00	-17.10	3	Vertical	39	1.60	-
Mode 1	Pass	AV	7.25003G	36.06	54.00	-17.94	3	Vertical	210	2.30	-
Mode 1	Pass	PK	4.80498G	51.77	74.00	-22.23	3	Vertical	144	2.22	-
Mode 1	Pass	PK	4.83389G	46.44	74.00	-27.56	3	Vertical	39	1.60	-
Mode 1	Pass	PK	7.24947G	48.21	74.00	-25.79	3	Vertical	210	2.30	-
Mode 1	Pass	AV	4.80312G	44.43	54.00	-9.57	3	Horizontal	7.9	1.04	-
Mode 1	Pass	AV	4.83398G	40.86	54.00	-13.14	3	Horizontal	351	1.50	-
Mode 1	Pass	AV	7.24995G	37.99	54.00	-16.01	3	Horizontal	267	2.00	-
Mode 1	Pass	PK	4.80295G	54.33	74.00	-19.67	3	Horizontal	7.9	1.04	-
Mode 1	Pass	PK	4.83401G	49.30	74.00	-24.70	3	Horizontal	351	1.50	-
Mode 1	Pass	PK	7.25014G	49.10	74.00	-24.90	3	Horizontal	267	2.00	-
Mode 2	Pass	AV	4.80489G	30.46	54.00	-23.54	3	Vertical	187	1.50	-
Mode 2	Pass	AV	10.36193G	36.88	68.20	-31.32	3	Vertical	39	1.50	-
Mode 2	Pass	AV	15.53887G	38.22	54.00	-15.78	3	Vertical	226	1.50	-
Mode 2	Pass	PK	4.80455G	42.20	74.00	-31.80	3	Vertical	187	1.50	-
Mode 2	Pass	PK	10.3596G	48.68	68.20	-19.52	3	Vertical	39	1.50	-
Mode 2	Pass	PK	15.53932G	50.57	74.00	-23.43	3	Vertical	226	1.50	-
Mode 2	Pass	AV	4.80394G	39.16	54.00	-14.84	3	Horizontal	8	1.05	-
Mode 2	Pass	AV	10.36022G	36.98	68.20	-31.22	3	Horizontal	310	1.50	-
Mode 2	Pass	AV	15.54012G	38.27	54.00	-15.73	3	Horizontal	225	1.50	-
Mode 2	Pass	PK	4.80405G	49.80	74.00	-24.20	3	Horizontal	8	1.05	-
Mode 2	Pass	PK	10.35833G	49.42	68.20	-18.78	3	Horizontal	310	1.50	-
Mode 2	Pass	PK	15.54145G	50.40	74.00	-23.60	3	Horizontal	225	1.50	-
Mode 3	Pass	AV	4.803G	42.28	54.00	-11.72	3	Vertical	220	2.56	-
Mode 3	Pass	AV	12.04998G	38.24	54.00	-15.76	3	Vertical	326	2.13	-
Mode 3	Pass	PK	4.805G	52.60	74.00	-21.40	3	Vertical	220	2.56	-
Mode 3	Pass	PK	12.05179G	50.05	74.00	-23.95	3	Vertical	326	2.13	-
Mode 3	Pass	AV	4.80305G	45.40	54.00	-8.60	3	Horizontal	179	1.34	-
Mode 3	Pass	AV	12.05009G	38.83	54.00	-15.17	3	Horizontal	303	1.12	-
Mode 3	Pass	PK	4.80504G	55.64	74.00	-18.36	3	Horizontal	179	1.34	-
Mode 3	Pass	PK	12.04958G	49.90	74.00	-24.10	3	Horizontal	303	1.12	-

Radiated Emissions above 1GHz_Mode 1



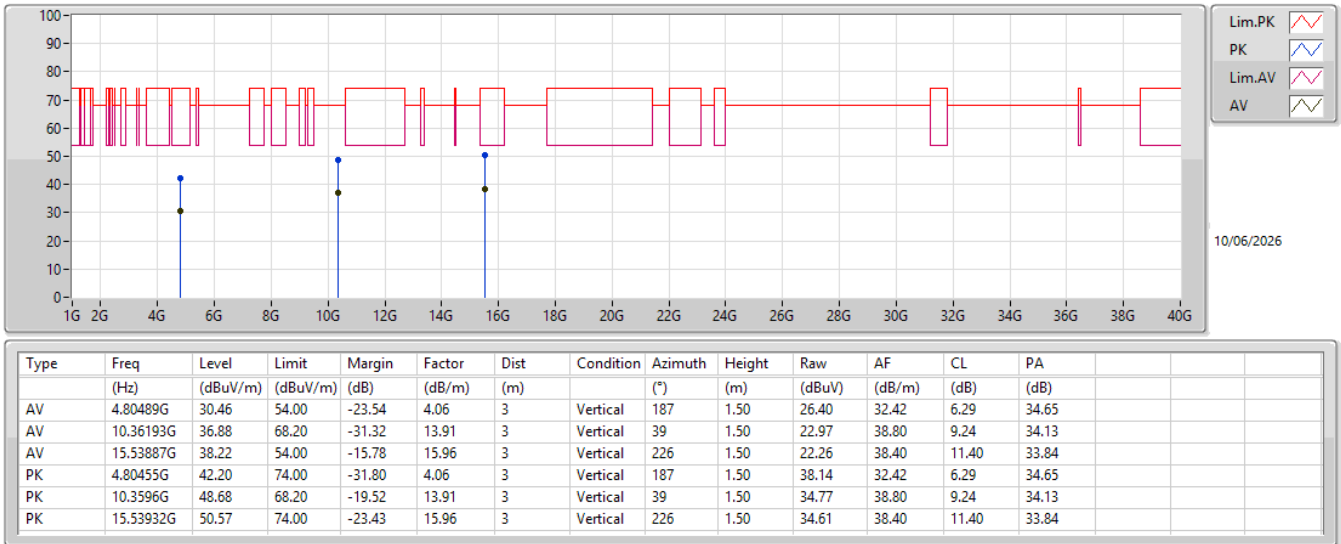
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.80297G	40.94	54.00	-13.06	4.05	3	Vertical	144	2.22	36.89	32.41	6.29	34.65
AV	4.83397G	36.90	54.00	-17.10	4.22	3	Vertical	39	1.60	32.68	32.54	6.32	34.64
AV	7.25003G	36.06	54.00	-17.94	10.11	3	Vertical	210	2.30	25.95	37.10	7.65	34.64
PK	4.80498G	51.77	74.00	-22.23	4.06	3	Vertical	144	2.22	47.71	32.42	6.29	34.65
PK	4.83389G	46.44	74.00	-27.56	4.22	3	Vertical	39	1.60	42.22	32.54	6.32	34.64
PK	7.24947G	48.21	74.00	-25.79	10.11	3	Vertical	210	2.30	38.10	37.10	7.65	34.64

Radiated Emissions above 1GHz_Mode 1

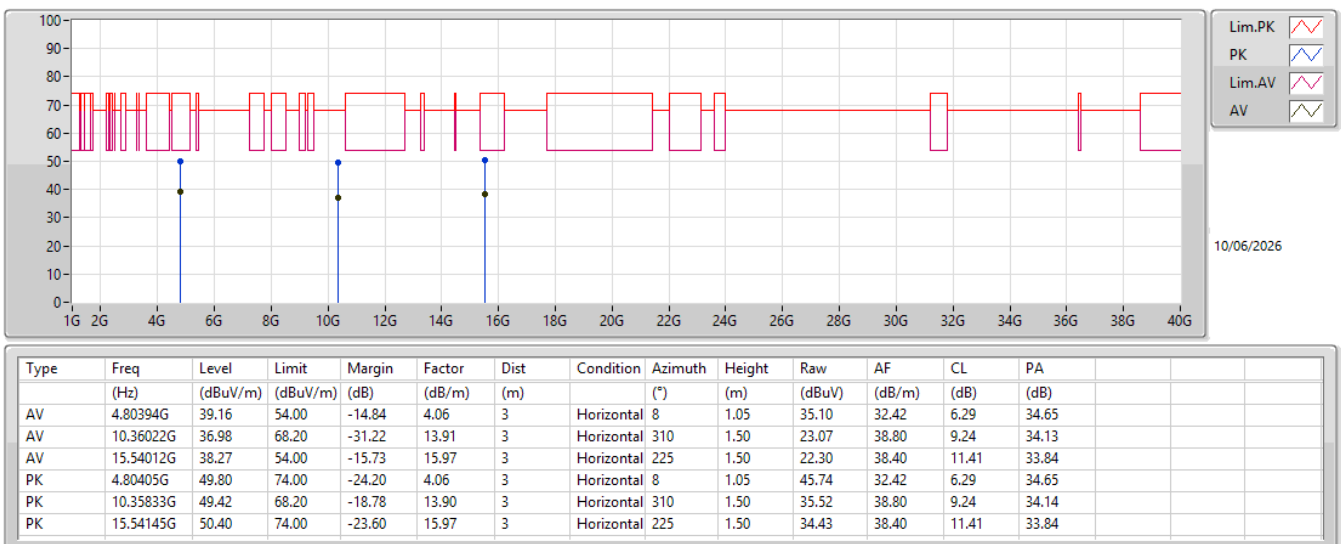


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.80312G	44.43	54.00	-9.57	4.05	3	Horizontal	7.9	1.04	40.38	32.41	6.29	34.65
AV	4.83398G	40.86	54.00	-13.14	4.22	3	Horizontal	351	1.50	36.64	32.54	6.32	34.64
AV	7.24995G	37.99	54.00	-16.01	10.11	3	Horizontal	267	2.00	27.88	37.10	7.65	34.64
PK	4.80295G	54.33	74.00	-19.67	4.05	3	Horizontal	7.9	1.04	50.28	32.41	6.29	34.65
PK	4.83401G	49.30	74.00	-24.70	4.22	3	Horizontal	351	1.50	45.08	32.54	6.32	34.64
PK	7.25014G	49.10	74.00	-24.90	10.11	3	Horizontal	267	2.00	38.99	37.10	7.65	34.64

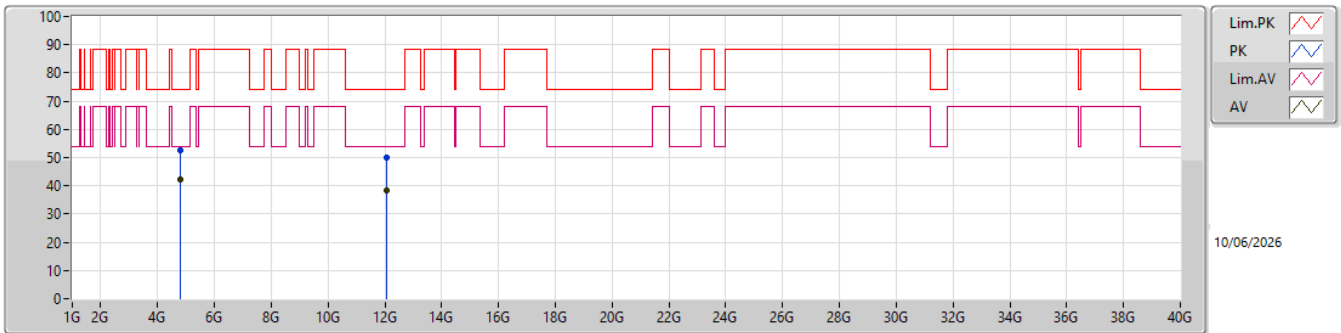
Radiated Emissions above 1GHz_Mode 2



Radiated Emissions above 1GHz_Mode 2

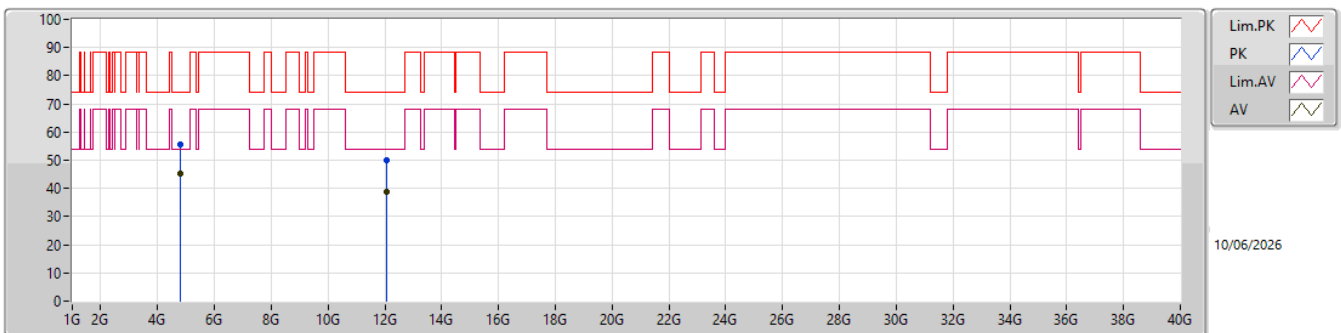


Radiated Emissions above 1GHz_Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.803G	42.28	54.00	-11.72	4.05	3	Vertical	220	2.56	38.23	32.41	6.29	34.65
AV	12.04998G	38.24	54.00	-15.76	15.32	3	Vertical	326	2.13	22.92	39.20	9.71	33.59
PK	4.805G	52.60	74.00	-21.40	4.06	3	Vertical	220	2.56	48.54	32.42	6.29	34.65
PK	12.05179G	50.05	74.00	-23.95	15.32	3	Vertical	326	2.13	34.73	39.20	9.71	33.59

Radiated Emissions above 1GHz_Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.80305G	45.40	54.00	-8.60	4.05	3	Horizontal	179	1.34	41.35	32.41	6.29	34.65
AV	12.05009G	38.83	54.00	-15.17	15.32	3	Horizontal	303	1.12	23.51	39.20	9.71	33.59
PK	4.80504G	55.64	74.00	-18.36	4.06	3	Horizontal	179	1.34	51.58	32.42	6.29	34.65
PK	12.04958G	49.90	74.00	-24.10	15.32	3	Horizontal	303	1.12	34.58	39.20	9.71	33.59