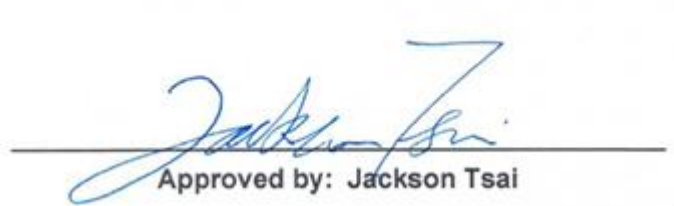


FCC Radio Test Report

FCC ID : 2A4CASOLITAIRETPRO
Equipment : Wireless Headphones
Brand Name : T+A
Model Name : SOLITAIRE T PRO
Applicant : T+A Elektroakustik GmbH & Co. KG
Planckstr. 9 – 11, 32052 Herford, Germany
Manufacturer : T+A Elektroakustik GmbH & Co. KG
Planckstr. 9 – 11, 32052 Herford, Germany
Standard : 47 CFR FCC Part 15.247

The product was received on Apr. 29, 2026, and testing was started from May 21, 2026 and completed on Jun. 04, 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: 2A4CASOLITAIRETPRO

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: Barry Hsiao

Report Producer: Michelle Tsai

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)	1.0	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2.0	1TX

Note:

- ♦ Bluetooth LE uses a GFSK (1Mbps/2Mbps) modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)
1	T+A	Solitaire_T PRO	Printed Antenna	N/A	0.45

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 1 could transmit/receive.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From Battery		
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**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-LE(1Mbps)	0.636	1.97	400u	3k
BT-LE(2Mbps)	0.577	2.39	1.088m	1k

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

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	CON04-HY	Lego Lin	17.5~19.2°C / 57~61%	29/May/2026
RF Conducted	TH07-HY	Yulin Chen	22.4~23.1°C / 54~63%	21/May/2026~04/Jun/2026
Radiated	03CH02-HY	Simon Cheng	22.2~23.4°C / 50~52%	30/May/2026~01/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	BlueSuite Version 3.3.18
-----------------------	--------------------------

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	Battery 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	Battery Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V		

2.3 Accessories

Battery	Brand Name	SHENZHEN KAYO BATTERY CO.,LTD	Model Name	KPL783938
	Power Rating	3.7V, 1200mAh, 4.44Wh	Type	Rechargeable Li-ion Battery Pack
USB Cable	Brand Name	T+A	Model Name	4021XW01947ZAU
	Signal Line	1400mm, D-shielded cable, w/o ferrite core		
Audio Cable-1	Brand Name	T+A	Model Name	4021XW01945ZAG
	Signal Line	1400mm, non-shielded cable, w/o ferrite core		
Audio Cable-2	Brand Name	T+A	Model Name	4021XW01967ZAG
	Signal Line	1400mm, non-shielded cable, w/o ferrite core		
Connector (3.5mm to 6.3mm)	Brand Name	T+A	Model Name	2031JP00069ZA
Connector (3.5mm to two 3.5mm)	Brand Name	T+A	Model Name	2031JP00060ZA

Reminder: Regarding to more detail and other information, please refer to user manual.

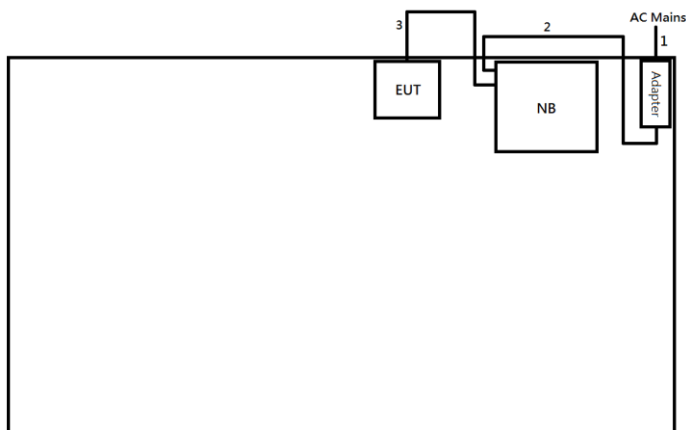
2.4 Support Equipment

Support Equipment – AC Conduction and Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	Latitude 7290	-	-
2	Adapter (for NB)	DELL	HA65NM130	-	-
3	AC Power Cable	Power sync	PW-GPC180-3	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	EliteBook 820 G3	-	-
2	Adapter for NB	HP	HSTNN-LA40	-	-

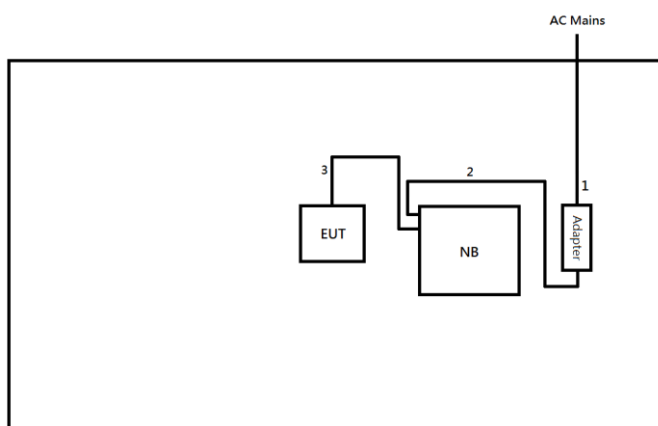
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	Yes	1.8	-
2	DC Power cable	Yes	1.5	-
3	USB cable	Yes	1.4	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	Yes	1.8	-
2	DC Power cable	Yes	1.5	-
3	USB cable	Yes	1.4	-

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

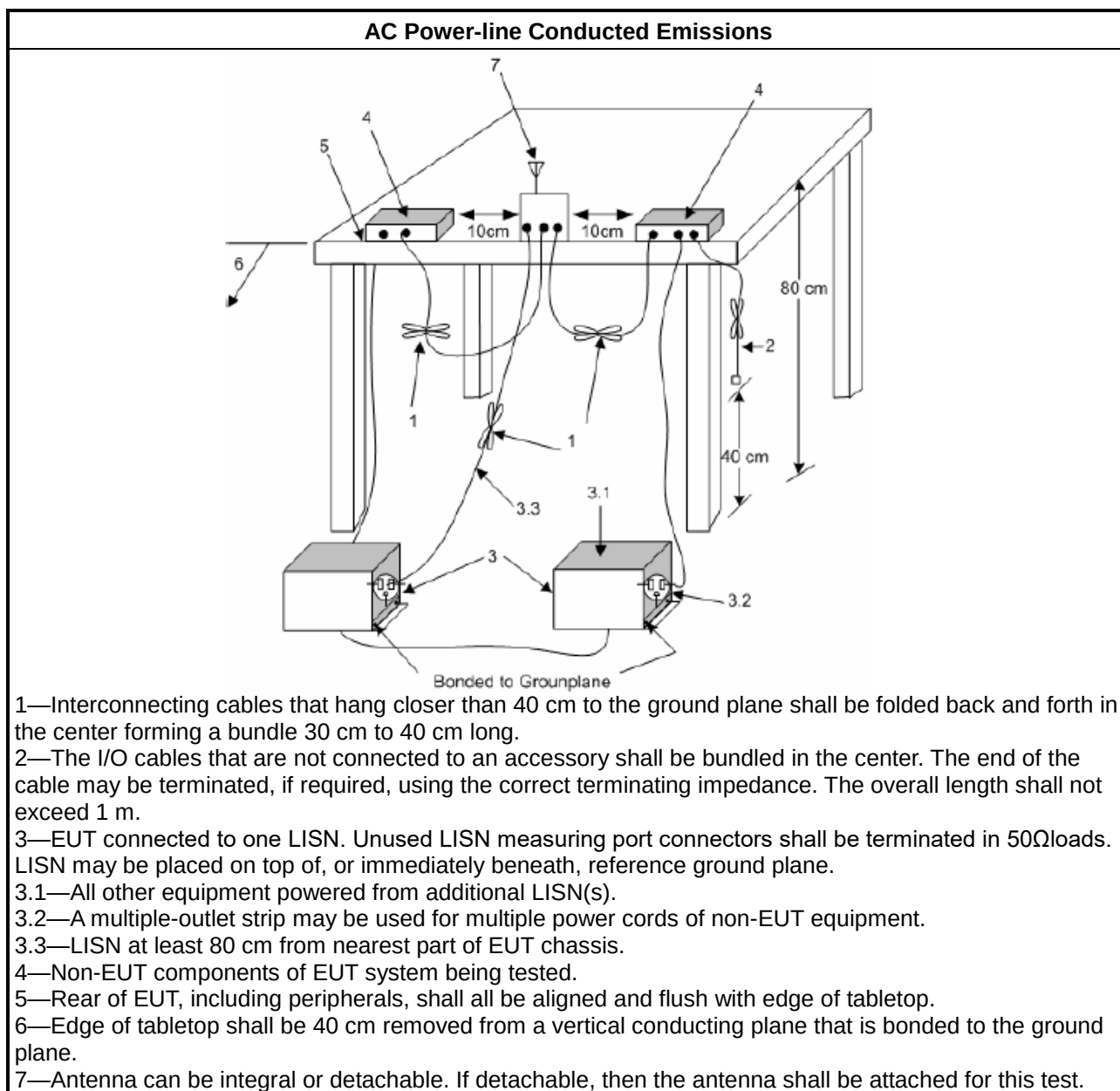
Test Method
▪ Refer as ANSI C63.10, clause 6.2 foray power-line conducted emissions.

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.

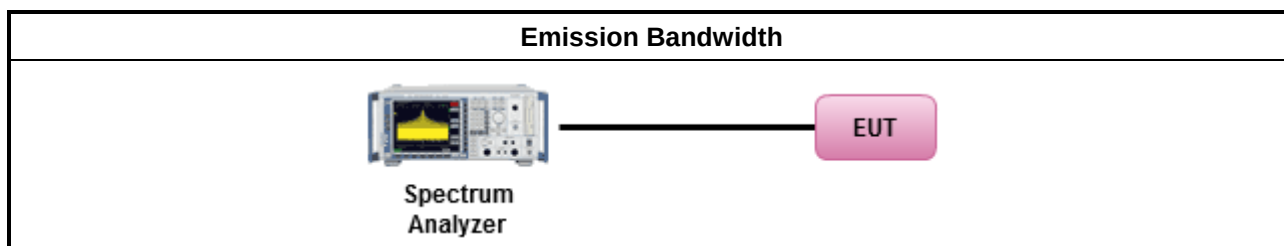
3.2.2 Measuring Instruments

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.	

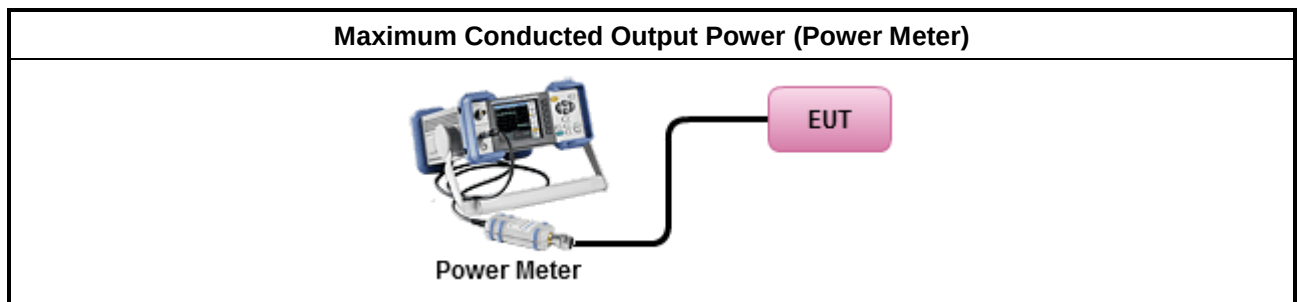
3.3.2 Measuring Instruments

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

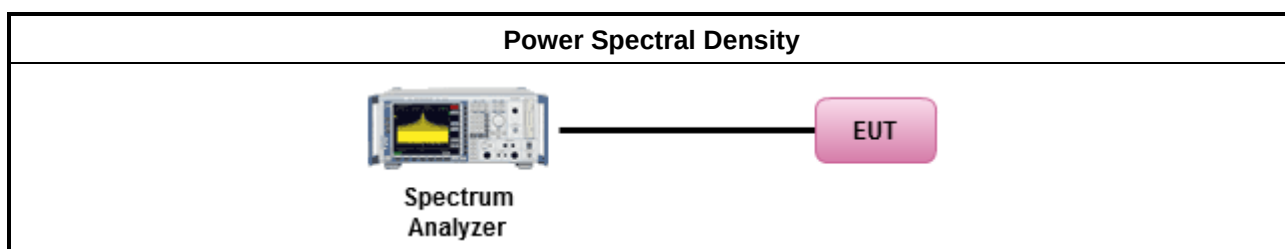
3.4.2 Measuring Instruments

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.	

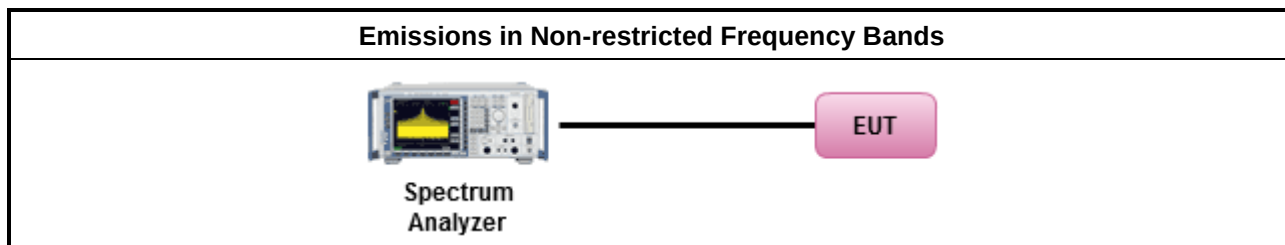
3.5.2 Measuring Instruments

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

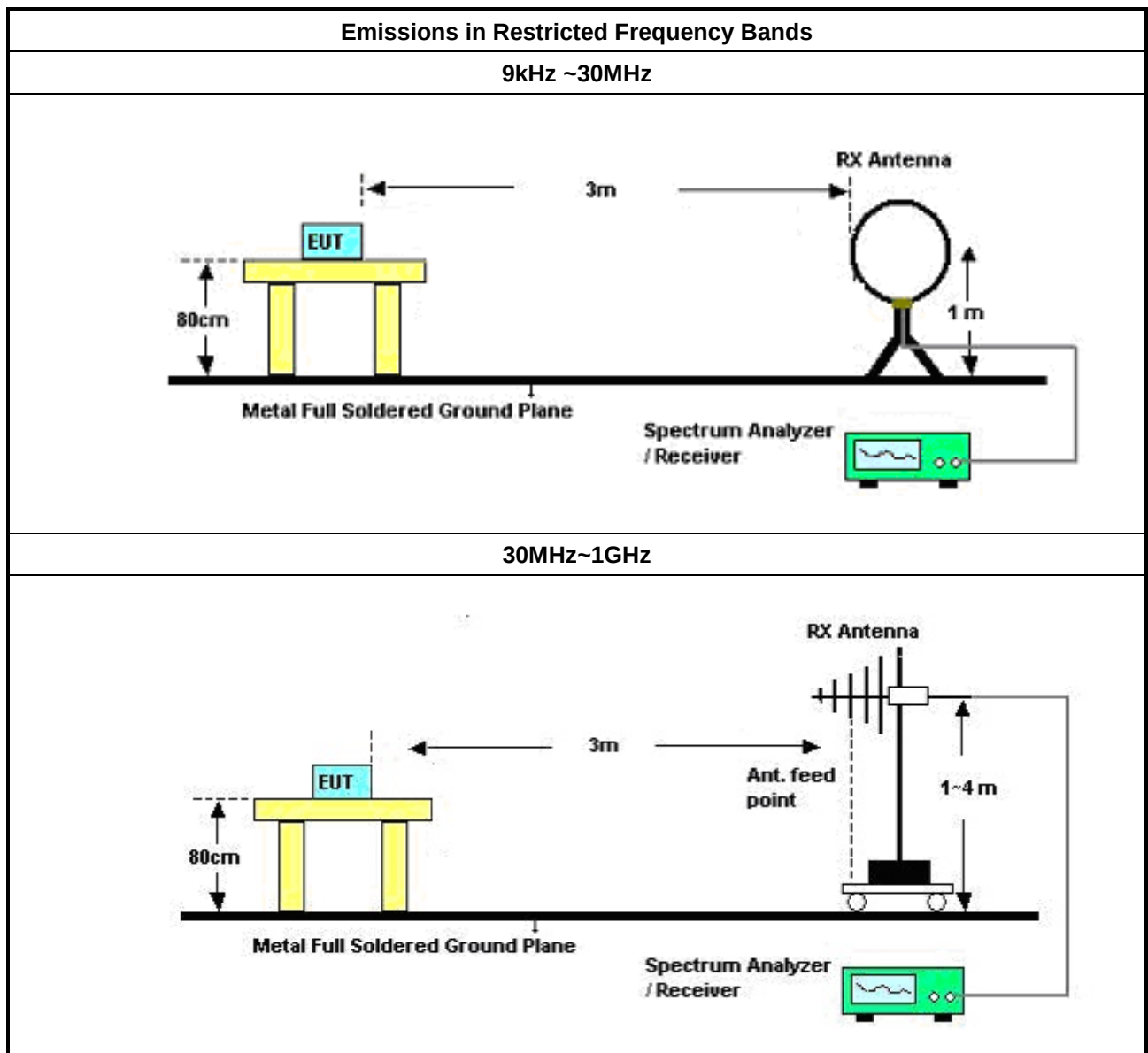
Test Method	
▪	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted 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.

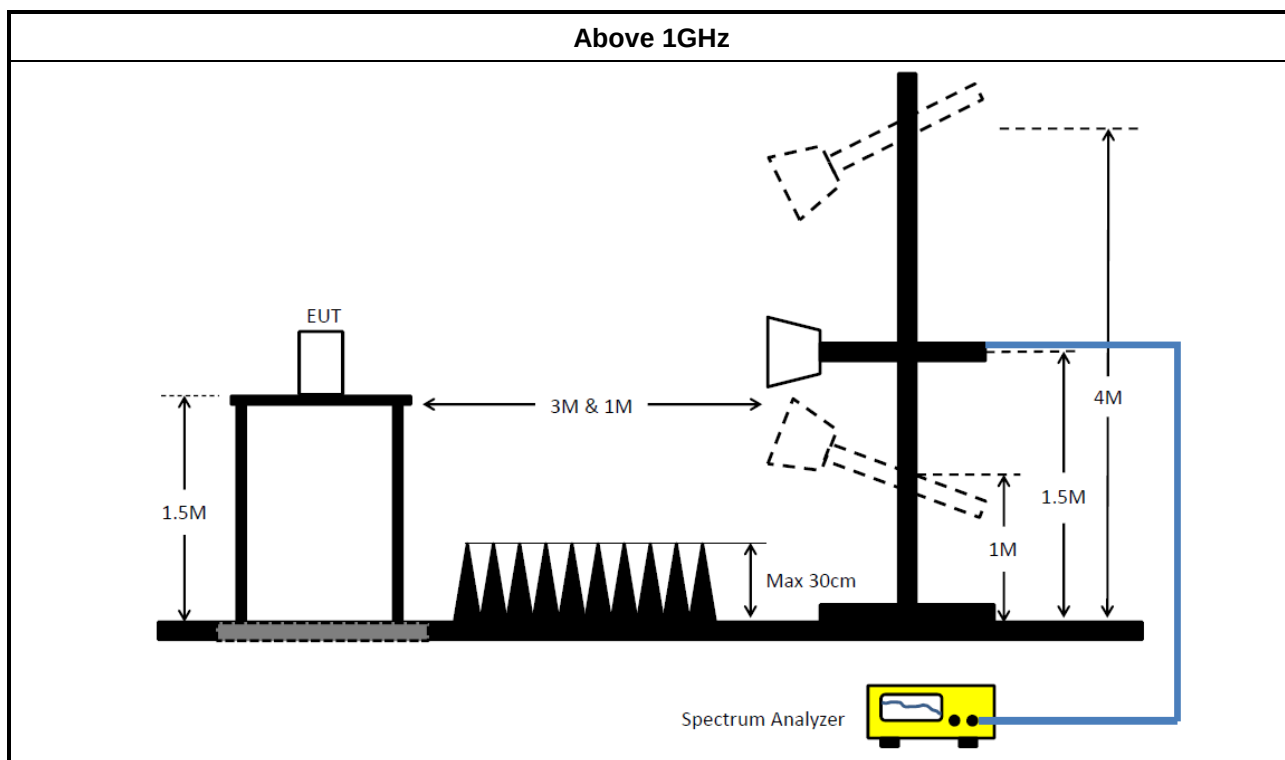
3.6.4 Measurement Results Calculation

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	ESR7	102956	9kHz ~ 3.6GHz	26/Aug/2025	25/Aug/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	V5.11.28	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



Conducted Emissions at Powerline

Appendix A

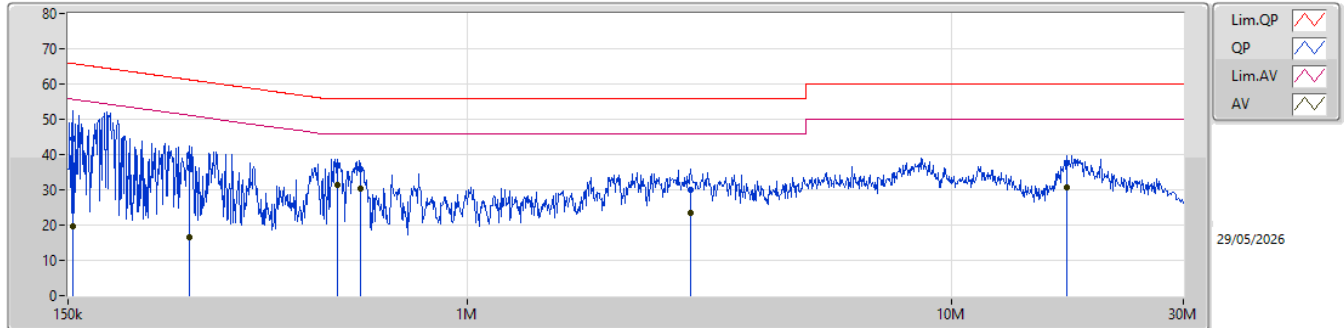
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	601.76k	33.28	46.00	-12.72	Neutral

Result

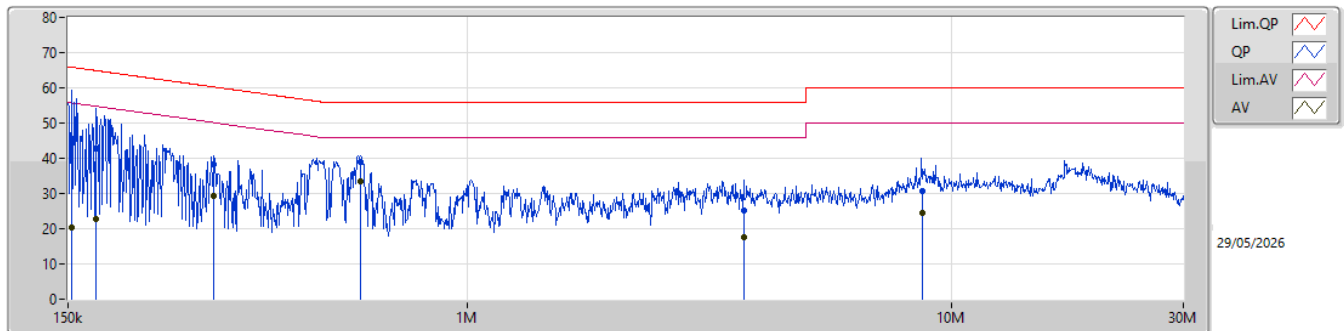
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	153.64k	44.50	65.81	-21.31	Line
Mode 1	Pass	AV	153.64k	19.60	55.81	-36.21	Line
Mode 1	Pass	QP	266.53k	36.28	61.22	-24.94	Line
Mode 1	Pass	AV	266.53k	16.66	51.22	-34.56	Line
Mode 1	Pass	QP	538.12k	36.78	56.00	-19.22	Line
Mode 1	Pass	AV	538.12k	31.34	46.00	-14.66	Line
Mode 1	Pass	QP	601.76k	35.98	56.00	-20.02	Line
Mode 1	Pass	AV	601.76k	30.29	46.00	-15.71	Line
Mode 1	Pass	QP	2.89M	30.06	56.00	-25.94	Line
Mode 1	Pass	AV	2.89M	23.41	46.00	-22.59	Line
Mode 1	Pass	QP	17.28M	37.48	60.00	-22.52	Line
Mode 1	Pass	AV	17.28M	30.75	50.00	-19.25	Line
Mode 1	Pass	QP	153.024k	45.56	65.83	-20.27	Neutral
Mode 1	Pass	AV	153.024k	20.41	55.83	-35.42	Neutral
Mode 1	Pass	QP	171.121k	42.68	64.91	-22.23	Neutral
Mode 1	Pass	AV	171.121k	22.90	54.91	-32.01	Neutral
Mode 1	Pass	QP	300.44k	38.44	60.23	-21.79	Neutral
Mode 1	Pass	AV	300.44k	29.41	50.23	-20.82	Neutral
Mode 1	Pass	QP	601.76k	38.90	56.00	-17.10	Neutral
Mode 1	Pass	AV	601.76k	33.28	46.00	-12.72	Neutral
Mode 1	Pass	QP	3.715M	25.34	56.00	-30.66	Neutral
Mode 1	Pass	AV	3.715M	17.67	46.00	-28.33	Neutral
Mode 1	Pass	QP	8.661M	30.71	60.00	-29.29	Neutral
Mode 1	Pass	AV	8.661M	24.32	50.00	-25.68	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	153.64k	44.50	65.81	-21.31	19.93	Line	24.57	9.64	0.17	10.12
AV	153.64k	19.60	55.81	-36.21	19.93	Line	-0.33	9.64	0.17	10.12
QP	266.53k	36.28	61.22	-24.94	19.88	Line	16.40	9.64	0.12	10.12
AV	266.53k	16.66	51.22	-34.56	19.88	Line	-3.22	9.64	0.12	10.12
QP	538.12k	36.78	56.00	-19.22	19.84	Line	16.94	9.63	0.09	10.12
AV	538.12k	31.34	46.00	-14.66	19.84	Line	11.50	9.63	0.09	10.12
QP	601.76k	35.98	56.00	-20.02	19.84	Line	16.14	9.63	0.09	10.12
AV	601.76k	30.29	46.00	-15.71	19.84	Line	10.45	9.63	0.09	10.12
QP	2.89M	30.06	56.00	-25.94	19.88	Line	10.18	9.66	0.09	10.13
AV	2.89M	23.41	46.00	-22.59	19.88	Line	3.53	9.66	0.09	10.13
QP	17.28M	37.48	60.00	-22.52	20.12	Line	17.36	9.63	0.36	10.13
AV	17.28M	30.75	50.00	-19.25	20.12	Line	10.63	9.63	0.36	10.13

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	153.024k	45.56	65.83	-20.27	19.93	Neutral	25.63	9.64	0.17	10.12
AV	153.024k	20.41	55.83	-35.42	19.93	Neutral	0.48	9.64	0.17	10.12
QP	171.121k	42.68	64.91	-22.23	19.91	Neutral	22.77	9.64	0.15	10.12
AV	171.121k	22.90	54.91	-32.01	19.91	Neutral	2.99	9.64	0.15	10.12
QP	300.44k	38.44	60.23	-21.79	19.86	Neutral	18.58	9.63	0.11	10.12
AV	300.44k	29.41	50.23	-20.82	19.86	Neutral	9.55	9.63	0.11	10.12
QP	601.76k	38.90	56.00	-17.10	19.84	Neutral	19.06	9.63	0.09	10.12
AV	601.76k	33.28	46.00	-12.72	19.84	Neutral	13.44	9.63	0.09	10.12
QP	3.715M	25.34	56.00	-30.66	19.91	Neutral	5.43	9.66	0.12	10.13
AV	3.715M	17.67	46.00	-28.33	19.91	Neutral	-2.24	9.66	0.12	10.13
QP	8.661M	30.71	60.00	-29.29	20.05	Neutral	10.66	9.69	0.22	10.14
AV	8.661M	24.32	50.00	-25.68	20.05	Neutral	4.27	9.69	0.22	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)	755k	1.037M	1M04F1D	676.25k	1.031M
BT-LE(2Mbps)	1.29M	2.071M	2M07F1D	1.168M	2.051M

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

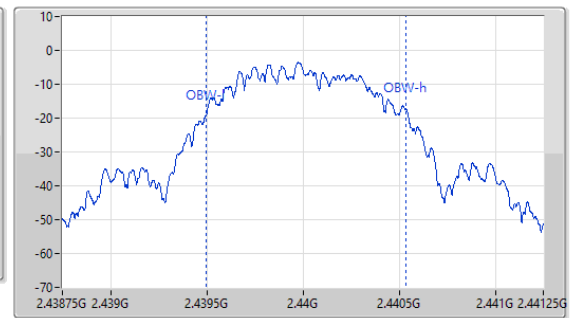
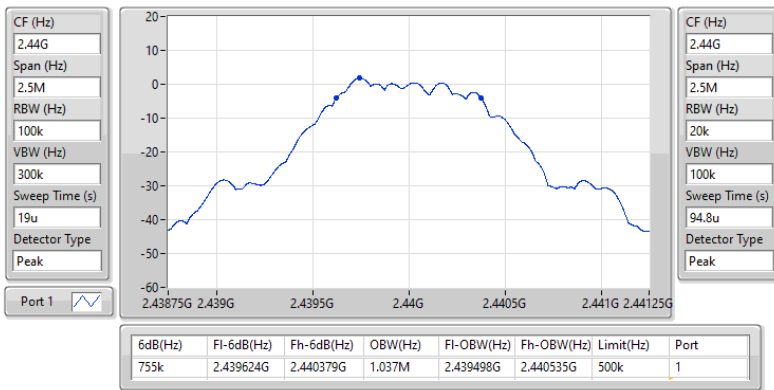
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	681.25k	1.031M
2440MHz	Pass	500k	755k	1.037M
2480MHz	Pass	500k	676.25k	1.033M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.213M	2.054M
2440MHz	Pass	500k	1.168M	2.071M
2480MHz	Pass	500k	1.29M	2.051M

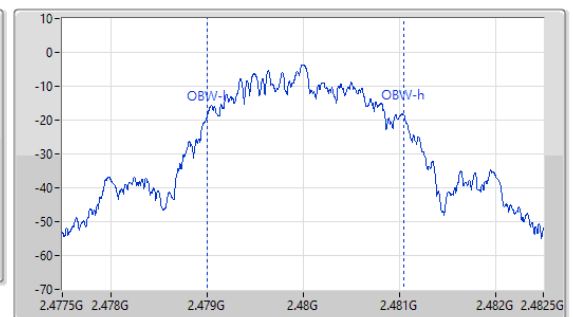
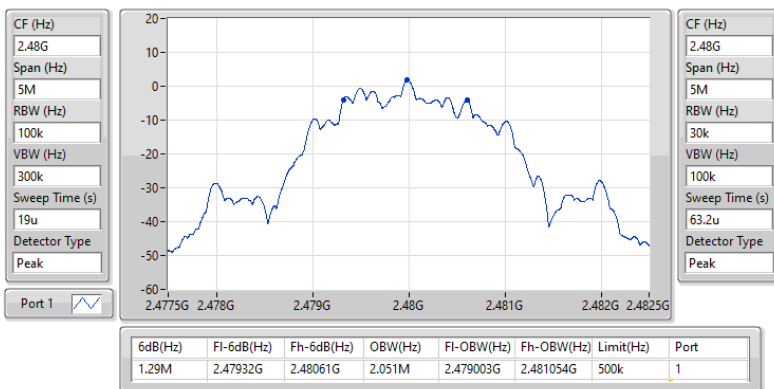
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

25/05/2026


2.4-2.4835GHz_BT-LE(2Mbps)
EBW-DTS
2480MHz

25/05/2026





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	2.82	0.00191
BT-LE(2Mbps)	2.55	0.00180

**Result**

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	0.45	2.82	30.00
2440MHz	Pass	0.45	2.70	30.00
2480MHz	Pass	0.45	2.61	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	0.45	2.55	30.00
2440MHz	Pass	0.45	2.42	30.00
2480MHz	Pass	0.45	2.33	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)	-12.36
BT-LE(2Mbps)	-15.86

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	0.45	-12.36	8.00
2440MHz	Pass	0.45	-12.49	8.00
2480MHz	Pass	0.45	-12.60	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	0.45	-15.86	8.00
2440MHz	Pass	0.45	-15.98	8.00
2480MHz	Pass	0.45	-16.52	8.00

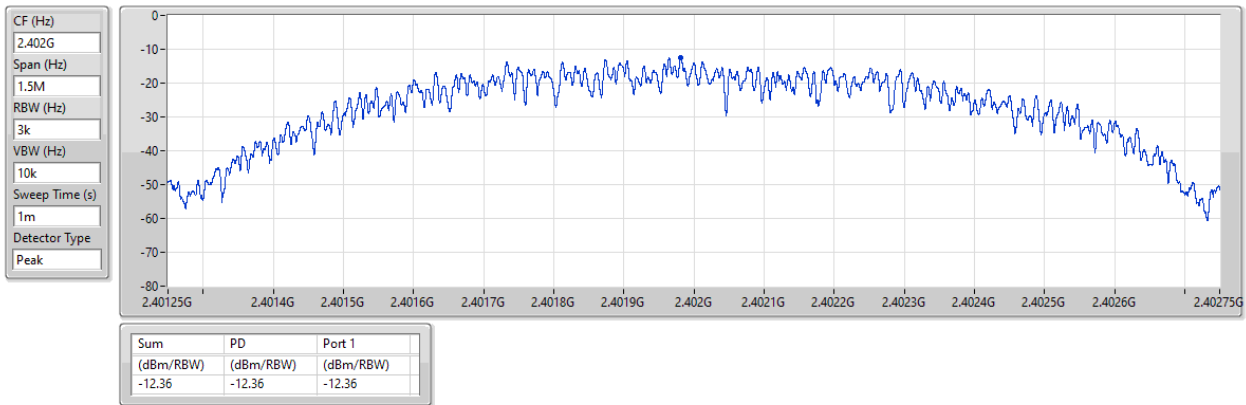
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2402MHz

25/05/2026

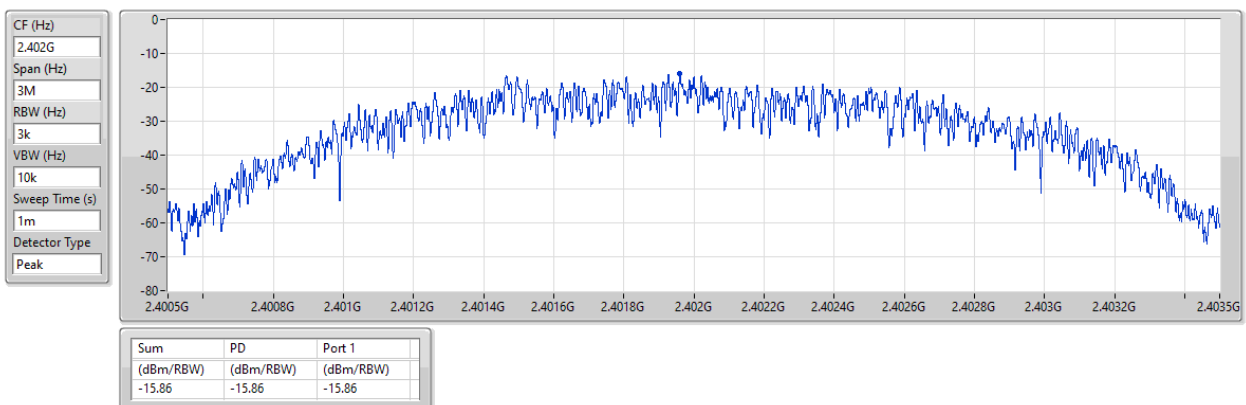


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

25/05/2026



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	2.40167G	3.24	-26.76	2.30363G	-55.56	2.4G	-48.95	2.4G	-47.45	2.50046G	-54.25	24.54163G	-41.72	1
BT-LE(2Mbps)	Pass	2.40134G	3.28	-26.72	2.19435G	-55.36	2.4G	-28.29	2.4G	-28.15	2.5001G	-53.71	16.45695G	-43.00	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	2.40167G	3.24	-26.76	2.30363G	-55.56	2.4G	-48.95	2.4G	-47.45	2.50046G	-54.25	24.54163G	-41.72	1
2440MHz	Pass	2.40167G	3.24	-26.76	2.1356G	-54.32	2.39208G	-54.29	2.4G	-55.94	2.50242G	-54.47	24.42915G	-42.36	1
2480MHz	Pass	2.40167G	3.24	-26.76	2.3001G	-54.53	2.39252G	-54.07	2.4G	-56.77	2.50286G	-54.71	21.55804G	-42.70	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40134G	3.28	-26.72	2.19435G	-55.36	2.4G	-28.29	2.4G	-28.15	2.5001G	-53.71	16.45695G	-43.00	1
2440MHz	Pass	2.40134G	3.28	-26.72	2.10153G	-55.52	2.39476G	-54.77	2.4G	-57.17	2.50186G	-54.41	24.87346G	-43.32	1
2480MHz	Pass	2.40134G	3.28	-26.72	2.12268G	-55.61	2.3912G	-54.33	2.4G	-56.62	2.50178G	-54.45	24.87065G	-43.14	1

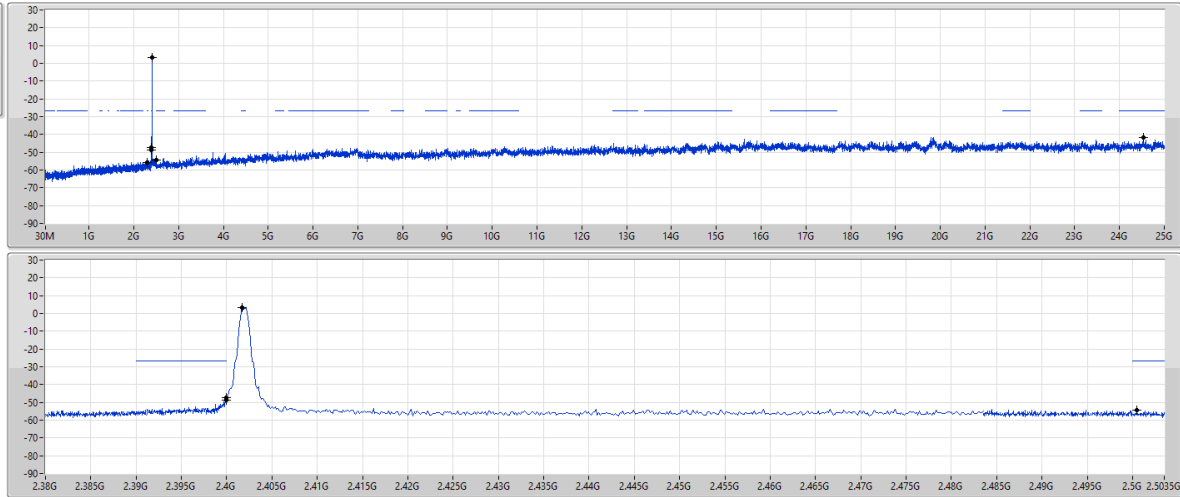
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

25/05/2026

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



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
2.40167G	3.24	-26.76	2.30363G	-55.56	2.4G	-48.95	2.4G	-47.45	2.50046G	-54.25	2.454163G	-41.72	1

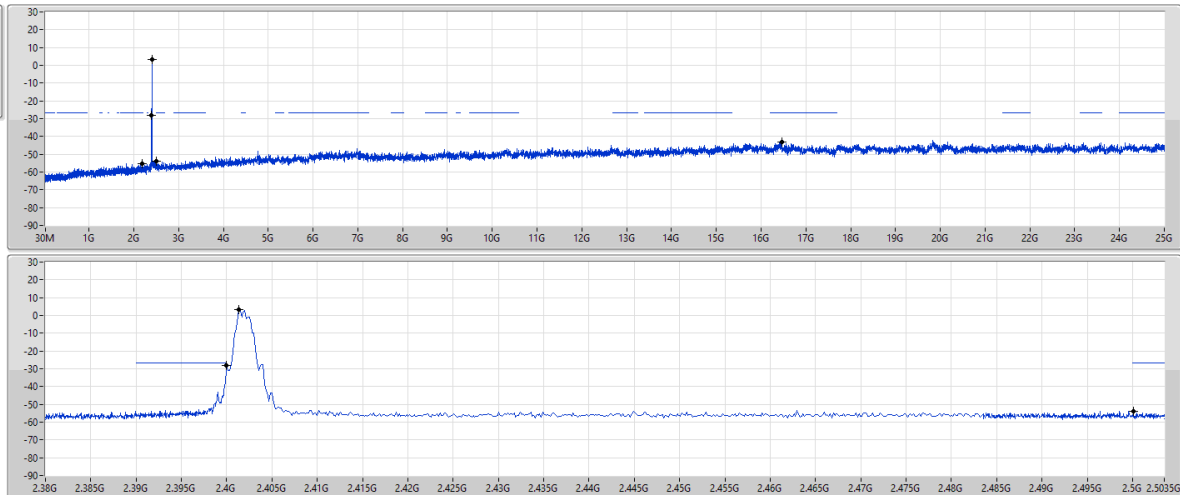
2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

25/05/2026

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



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
2.40134G	3.28	-26.72	2.19435G	-55.36	2.4G	-28.29	2.4G	-28.15	2.5001G	-53.71	16.45695G	-43.00	1



Summary

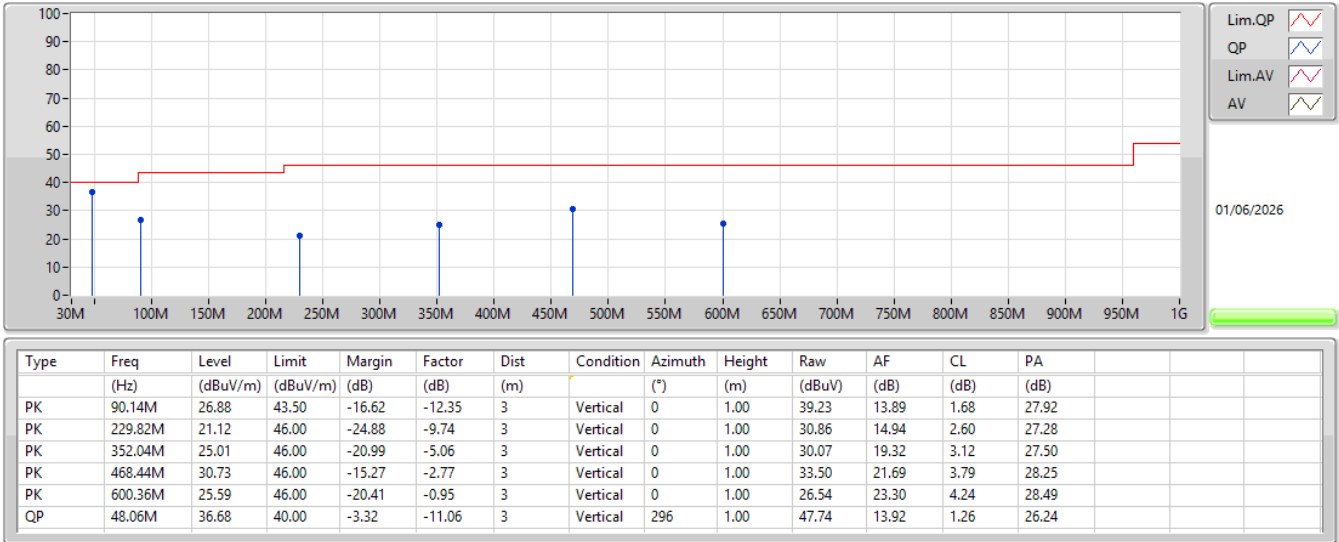
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	QP	48.06M	36.68	40.00	-3.32	3	Vertical	296	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	90.14M	26.88	43.50	-16.62	3	Vertical	0	1.00
2440MHz	Pass	PK	229.82M	21.12	46.00	-24.88	3	Vertical	0	1.00
2440MHz	Pass	PK	352.04M	25.01	46.00	-20.99	3	Vertical	0	1.00
2440MHz	Pass	PK	468.44M	30.73	46.00	-15.27	3	Vertical	0	1.00
2440MHz	Pass	PK	600.36M	25.59	46.00	-20.41	3	Vertical	0	1.00
2440MHz	Pass	QP	48.06M	36.68	40.00	-3.32	3	Vertical	296	1.00
2440MHz	Pass	PK	142.52M	32.42	43.50	-11.08	3	Horizontal	360	1.00
2440MHz	Pass	PK	222.06M	29.53	46.00	-16.47	3	Horizontal	360	1.00
2440MHz	Pass	PK	319.06M	27.56	46.00	-18.44	3	Horizontal	360	1.00
2440MHz	Pass	PK	431.58M	32.90	46.00	-13.10	3	Horizontal	360	1.00
2440MHz	Pass	PK	528.58M	28.27	46.00	-17.73	3	Horizontal	360	1.00
2440MHz	Pass	QP	48.06M	35.61	40.00	-4.39	3	Horizontal	181	3.00

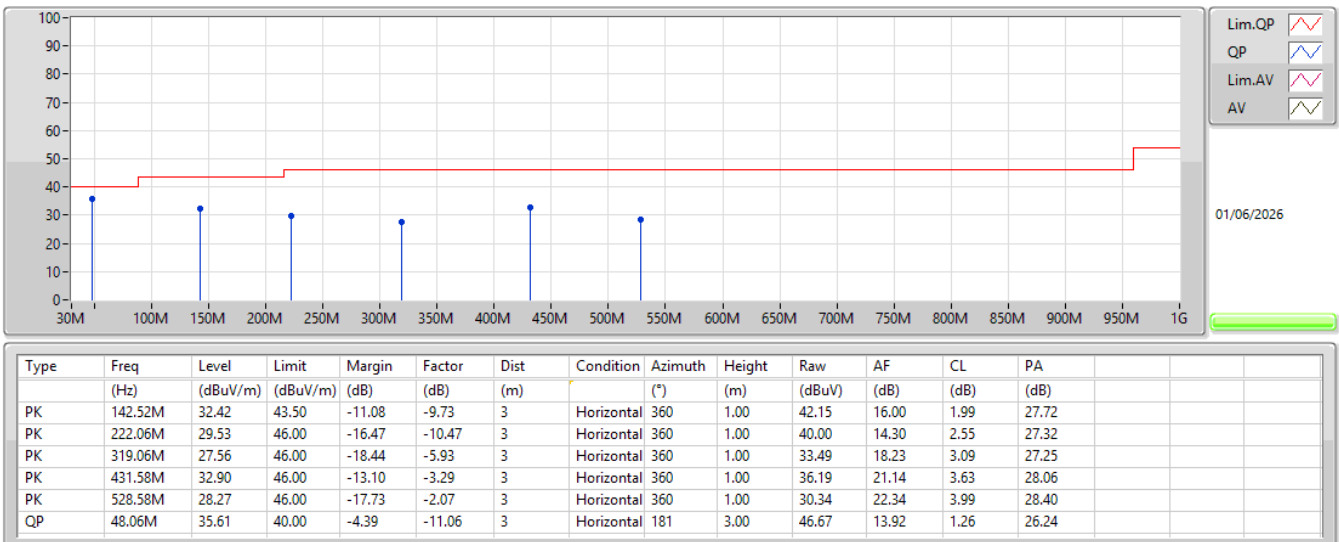
2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_USB



2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_USB





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	2.4896G	47.35	54.00	-6.65	3	Horizontal	83	1.03
BT-LE(2Mbps)	Pass	AV	2.494G	47.78	54.00	-6.22	3	Vertical	35	1.32

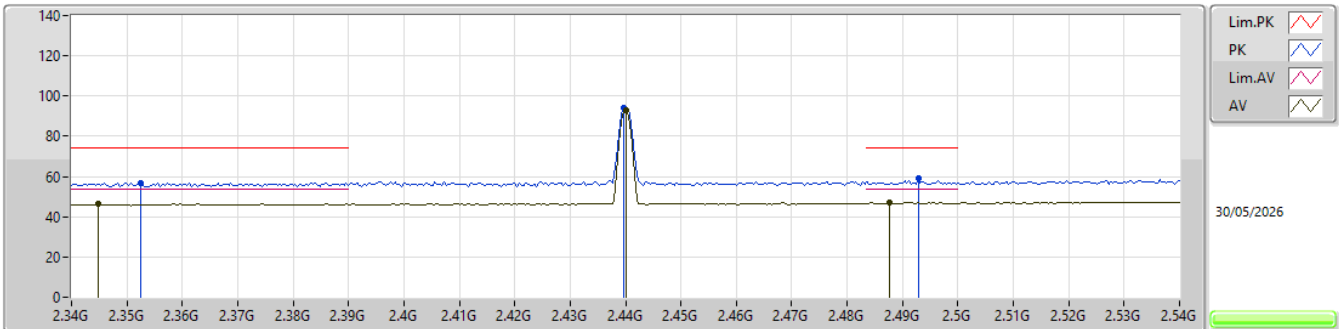
Result

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	2.3606G	46.46	54.00	-7.54	3	Vertical	135	1.50
2402MHz	Pass	AV	2.402G	93.54	Inf	-Inf	3	Vertical	135	1.50
2402MHz	Pass	PK	2.3778G	58.46	74.00	-15.54	3	Vertical	135	1.50
2402MHz	Pass	PK	2.4018G	94.56	Inf	-Inf	3	Vertical	135	1.50
2402MHz	Pass	AV	2.373G	46.49	54.00	-7.51	3	Horizontal	100	1.16
2402MHz	Pass	AV	2.402G	100.41	Inf	-Inf	3	Horizontal	100	1.16
2402MHz	Pass	PK	2.3824G	57.82	74.00	-16.18	3	Horizontal	100	1.16
2402MHz	Pass	PK	2.4018G	101.35	Inf	-Inf	3	Horizontal	100	1.16
2402MHz	Pass	AV	4.804G	32.21	54.00	-21.79	3	Vertical	176	1.50
2402MHz	Pass	PK	4.8035G	42.04	74.00	-31.96	3	Vertical	176	1.50
2402MHz	Pass	AV	4.80366G	38.96	54.00	-15.04	3	Horizontal	237	1.00
2402MHz	Pass	PK	4.80348G	46.24	74.00	-27.76	3	Horizontal	237	1.00
2402MHz	Pass	AV	2.3448G	46.55	54.00	-7.45	3	Vertical	178	1.88
2440MHz	Pass	AV	2.44G	93.02	Inf	-Inf	3	Vertical	178	1.88
2440MHz	Pass	AV	2.4876G	47.09	54.00	-6.91	3	Vertical	178	1.88
2440MHz	Pass	PK	2.3524G	57.00	74.00	-17.00	3	Vertical	178	1.88
2440MHz	Pass	PK	2.4396G	93.99	Inf	-Inf	3	Vertical	178	1.88
2440MHz	Pass	PK	2.4928G	59.05	74.00	-14.95	3	Vertical	178	1.88
2440MHz	Pass	AV	2.3872G	46.33	54.00	-7.67	3	Horizontal	83	1.03
2440MHz	Pass	AV	2.44G	98.70	Inf	-Inf	3	Horizontal	83	1.03
2440MHz	Pass	AV	2.4896G	47.35	54.00	-6.65	3	Horizontal	83	1.03
2440MHz	Pass	PK	2.3432G	57.74	74.00	-16.26	3	Horizontal	83	1.03
2440MHz	Pass	PK	2.4396G	99.66	Inf	-Inf	3	Horizontal	83	1.03
2440MHz	Pass	PK	2.492G	58.55	74.00	-15.45	3	Horizontal	83	1.03
2440MHz	Pass	AV	4.87952G	34.47	54.00	-19.53	3	Vertical	244	1.50
2440MHz	Pass	PK	4.88064G	43.53	74.00	-30.47	3	Vertical	244	1.50
2440MHz	Pass	AV	4.87954G	39.38	54.00	-14.62	3	Horizontal	309	1.00
2440MHz	Pass	PK	4.8804G	47.06	74.00	-26.94	3	Horizontal	309	1.00
2480MHz	Pass	AV	2.48G	91.68	Inf	-Inf	3	Vertical	35	1.32
2480MHz	Pass	AV	2.4942G	47.09	54.00	-6.91	3	Vertical	35	1.32
2480MHz	Pass	PK	2.4802G	92.67	Inf	-Inf	3	Vertical	35	1.32
2480MHz	Pass	PK	2.4982G	58.49	74.00	-15.51	3	Vertical	35	1.32
2480MHz	Pass	AV	2.48G	86.79	Inf	-Inf	3	Horizontal	15	2.87
2480MHz	Pass	AV	2.4912G	47.00	54.00	-7.00	3	Horizontal	15	2.87
2480MHz	Pass	PK	2.4802G	87.85	Inf	-Inf	3	Horizontal	15	2.87
2480MHz	Pass	PK	2.4882G	58.83	74.00	-15.17	3	Horizontal	15	2.87
2480MHz	Pass	AV	4.95958G	34.54	54.00	-19.46	3	Vertical	245	1.02
2480MHz	Pass	PK	4.9602G	44.26	74.00	-29.74	3	Vertical	245	1.02
2480MHz	Pass	AV	4.9597G	36.18	54.00	-17.82	3	Horizontal	310	1.00
2480MHz	Pass	PK	4.9594G	44.86	74.00	-29.14	3	Horizontal	310	1.00
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3898G	46.91	54.00	-7.09	3	Vertical	135	1.50
2402MHz	Pass	AV	2.402G	91.98	Inf	-Inf	3	Vertical	135	1.50
2402MHz	Pass	PK	2.3742G	57.74	74.00	-16.26	3	Vertical	135	1.50
2402MHz	Pass	PK	2.4014G	94.59	Inf	-Inf	3	Vertical	135	1.50
2402MHz	Pass	AV	2.3644G	47.26	54.00	-6.74	3	Horizontal	100	1.16
2402MHz	Pass	AV	2.402G	98.84	Inf	-Inf	3	Horizontal	100	1.16
2402MHz	Pass	PK	2.3602G	57.62	74.00	-16.38	3	Horizontal	100	1.16
2402MHz	Pass	PK	2.4014G	101.38	Inf	-Inf	3	Horizontal	100	1.16
2402MHz	Pass	AV	4.80298G	37.15	54.00	-16.85	3	Vertical	250	1.00
2402MHz	Pass	PK	4.80316G	45.37	74.00	-28.63	3	Vertical	250	1.00
2402MHz	Pass	AV	4.803G	39.18	54.00	-14.82	3	Horizontal	314	1.00
2402MHz	Pass	PK	4.80284G	46.22	74.00	-27.78	3	Horizontal	314	1.00
2440MHz	Pass	AV	2.3456G	46.92	54.00	-7.08	3	Vertical	178	1.88
2440MHz	Pass	AV	2.44G	91.47	Inf	-Inf	3	Vertical	178	1.88
2440MHz	Pass	AV	2.4976G	47.42	54.00	-6.58	3	Vertical	178	1.88
2440MHz	Pass	PK	2.3476G	58.20	74.00	-15.80	3	Vertical	178	1.88
2440MHz	Pass	PK	2.4396G	94.03	Inf	-Inf	3	Vertical	178	1.88
2440MHz	Pass	PK	2.4912G	58.74	74.00	-15.26	3	Vertical	178	1.88
2440MHz	Pass	AV	2.3872G	46.94	54.00	-7.06	3	Horizontal	82	1.02

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2440MHz	Pass	AV	2.44G	97.16	Inf	-Inf	3	Horizontal	82	1.02
2440MHz	Pass	AV	2.4888G	47.61	54.00	-6.39	3	Horizontal	82	1.02
2440MHz	Pass	PK	2.3508G	57.11	74.00	-16.89	3	Horizontal	82	1.02
2440MHz	Pass	PK	2.4396G	99.76	Inf	-Inf	3	Horizontal	82	1.02
2440MHz	Pass	PK	2.498G	58.45	74.00	-15.55	3	Horizontal	82	1.02
2440MHz	Pass	AV	4.87896G	37.46	54.00	-16.54	3	Vertical	248	1.10
2440MHz	Pass	PK	4.87878G	44.61	74.00	-29.39	3	Vertical	248	1.10
2440MHz	Pass	AV	4.87896G	39.27	54.00	-14.73	3	Horizontal	310	1.00
2440MHz	Pass	PK	4.87896G	46.21	74.00	-27.79	3	Horizontal	310	1.00
2480MHz	Pass	AV	2.48G	90.03	Inf	-Inf	3	Vertical	35	1.32
2480MHz	Pass	AV	2.494G	47.78	54.00	-6.22	3	Vertical	35	1.32
2480MHz	Pass	PK	2.4806G	92.61	Inf	-Inf	3	Vertical	35	1.32
2480MHz	Pass	PK	2.495G	58.27	74.00	-15.73	3	Vertical	35	1.32
2480MHz	Pass	AV	2.48G	91.08	Inf	-Inf	3	Horizontal	108	1.50
2480MHz	Pass	AV	2.4866G	47.68	54.00	-6.32	3	Horizontal	108	1.50
2480MHz	Pass	PK	2.4796G	93.64	Inf	-Inf	3	Horizontal	108	1.50
2480MHz	Pass	PK	2.4956G	58.63	74.00	-15.37	3	Horizontal	108	1.50
2480MHz	Pass	AV	4.95896G	32.96	54.00	-21.04	3	Vertical	204	1.32
2480MHz	Pass	PK	4.95904G	42.94	74.00	-31.06	3	Vertical	204	1.32
2480MHz	Pass	AV	4.9589G	36.38	54.00	-17.62	3	Horizontal	309	1.00
2480MHz	Pass	PK	4.9608G	44.83	74.00	-29.17	3	Horizontal	309	1.00

2.4-2.4835GHz_BT-LE(1Mbps)

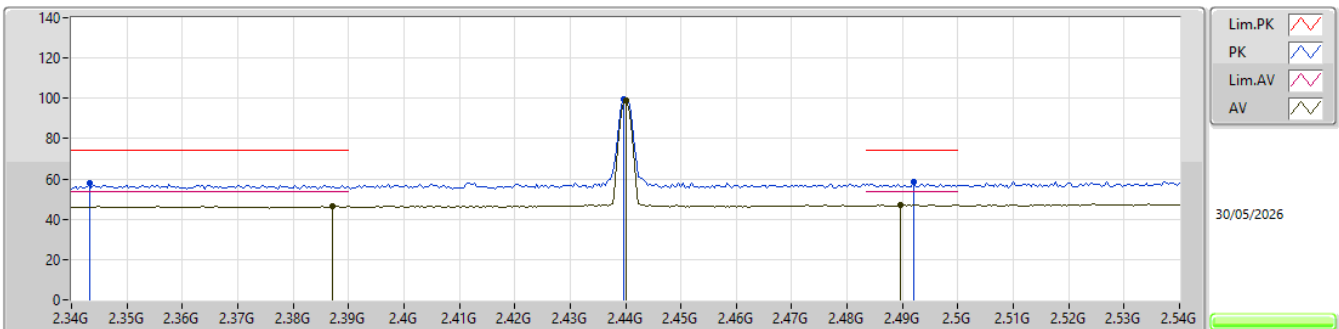
2440MHz_TX



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	2.3448G	46.55	54.00	-7.45	31.50	3	Vertical	178	1.88	15.05	27.30	4.20	-
AV	2.44G	93.02	Inf	-Inf	31.88	3	Vertical	178	1.88	61.14	27.60	4.28	-
AV	2.4876G	47.09	54.00	-6.91	32.18	3	Vertical	178	1.88	14.91	27.88	4.30	-
PK	2.3524G	57.00	74.00	-17.00	31.51	3	Vertical	178	1.88	25.49	27.30	4.21	-
PK	2.4396G	93.99	Inf	-Inf	31.88	3	Vertical	178	1.88	62.11	27.60	4.28	-
PK	2.4928G	59.05	74.00	-14.95	32.21	3	Vertical	178	1.88	26.84	27.90	4.31	-

2.4-2.4835GHz_BT-LE(1Mbps)

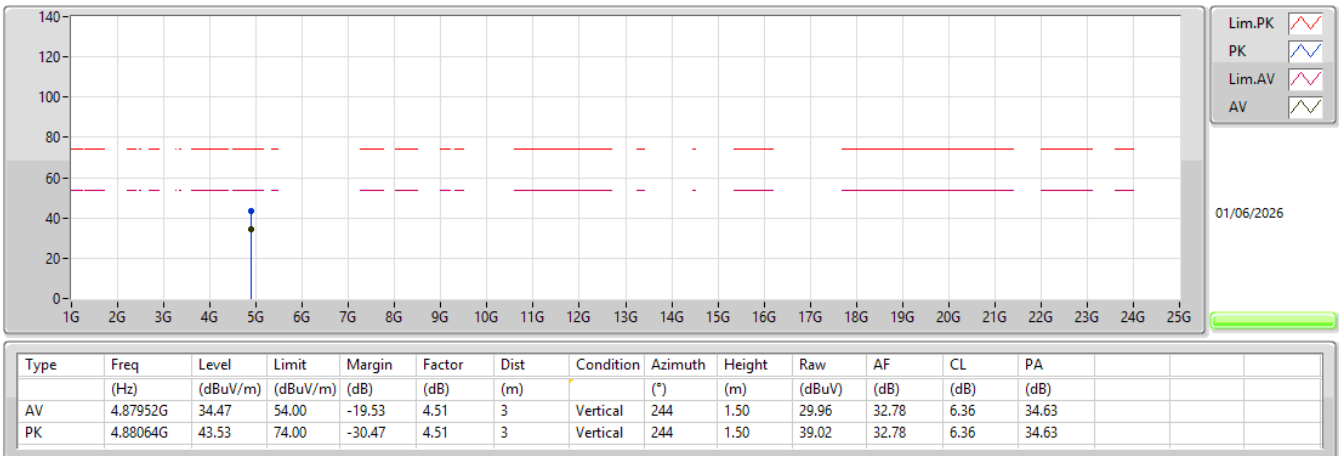
2440MHz_TX



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	2.3872G	46.33	54.00	-7.67	31.62	3	Horizontal	83	1.03	14.71	27.37	4.25	-
AV	2.44G	98.70	Inf	-Inf	31.88	3	Horizontal	83	1.03	66.82	27.60	4.28	-
AV	2.4896G	47.35	54.00	-6.65	32.20	3	Horizontal	83	1.03	15.15	27.90	4.30	-
PK	2.3432G	57.74	74.00	-16.26	31.49	3	Horizontal	83	1.03	26.25	27.30	4.19	-
PK	2.4396G	99.66	Inf	-Inf	31.88	3	Horizontal	83	1.03	67.78	27.60	4.28	-
PK	2.492G	58.55	74.00	-15.45	32.21	3	Horizontal	83	1.03	26.34	27.90	4.31	-

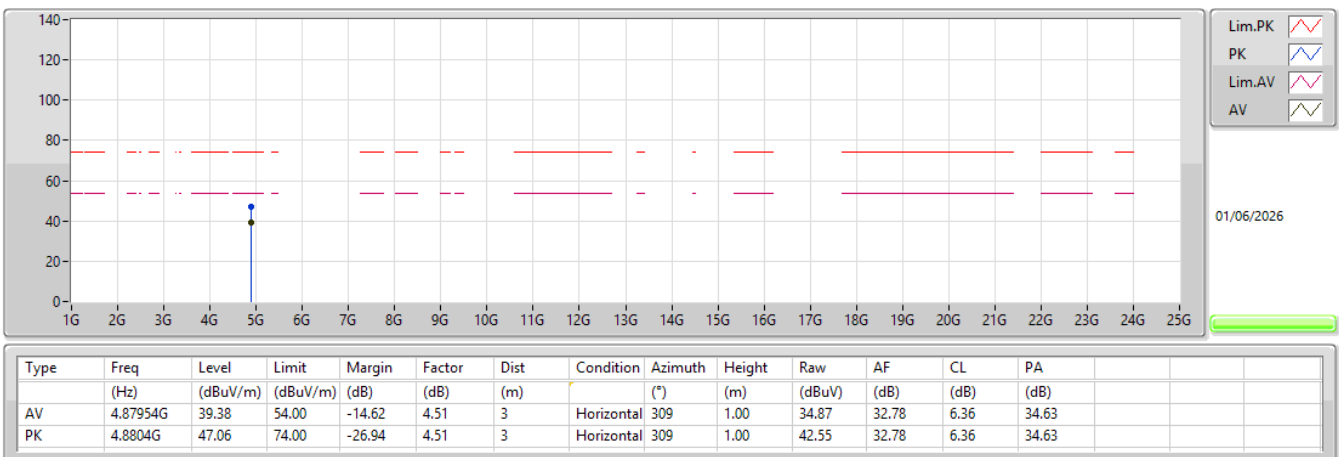
2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX



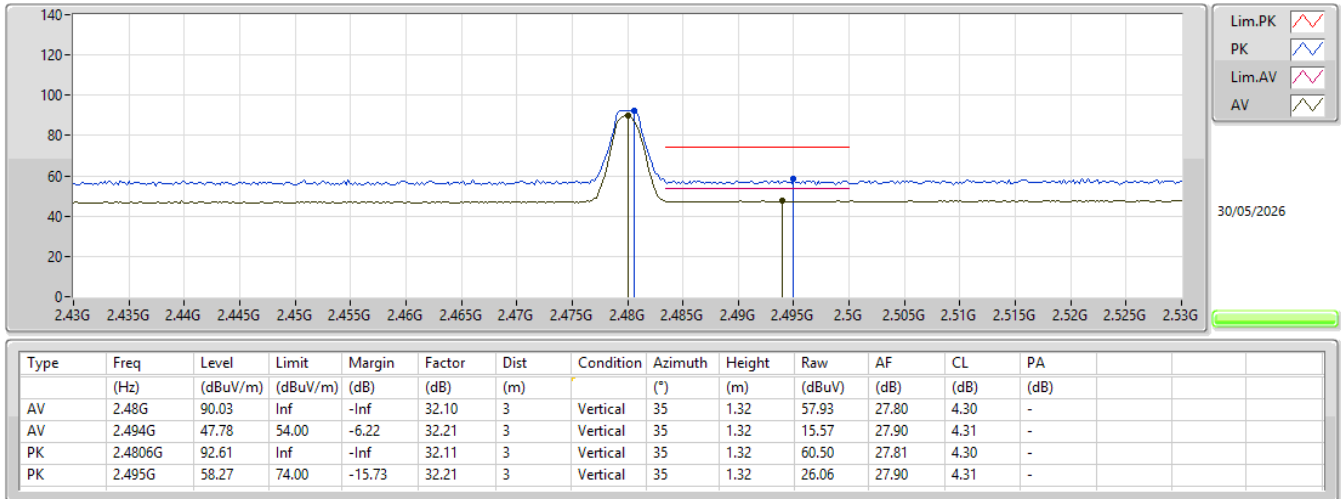
2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX



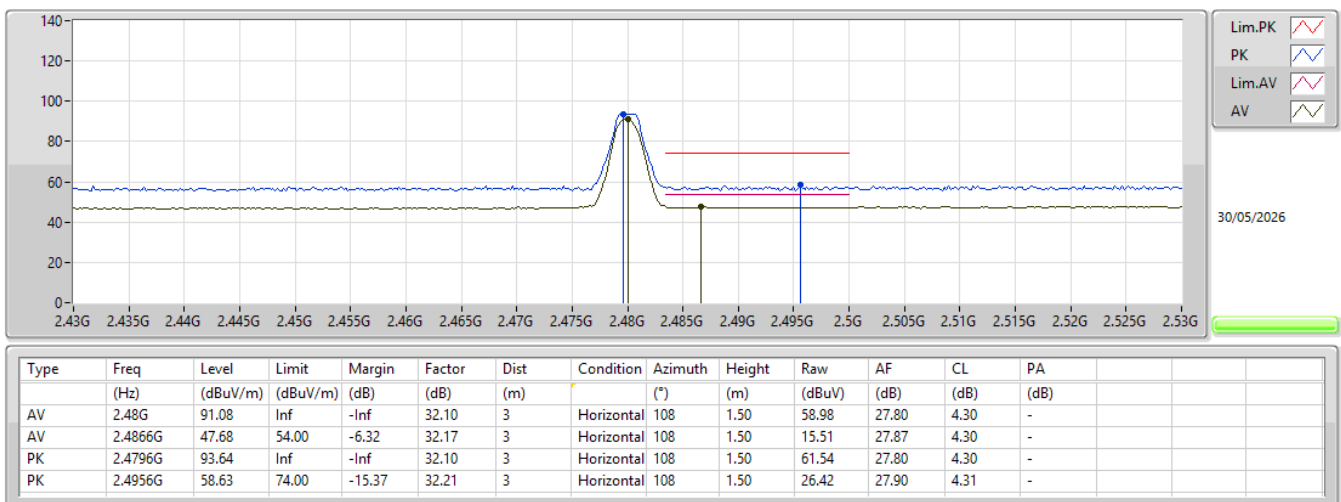
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2480MHz_TX



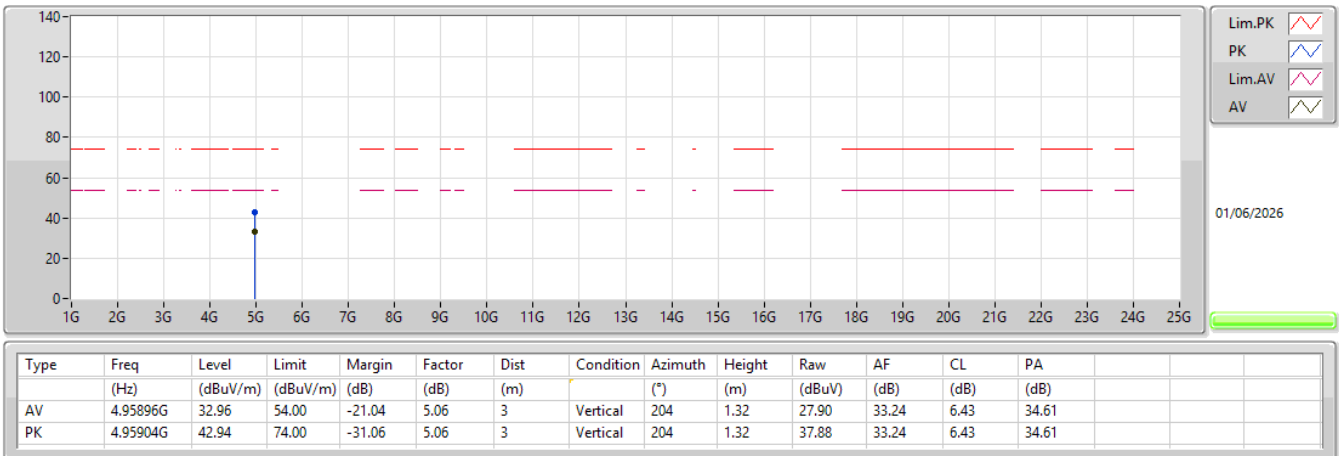
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

