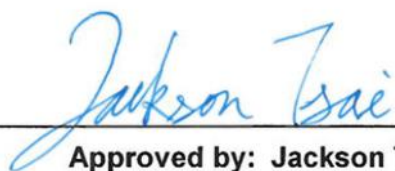


FCC Radio Test Report

FCC ID : 2AD8UCVTBF21A
Equipment : Nokia 360 Camera
Brand Name : Nokia
Model Name : CVTBF21A
Applicant : Nokia Solutions and Networks OY
3201 Olympus Blvd, Dallas, Texas, United States.
Zip Code: 75019
Manufacturer : PEGATRON Corporation Taoyuan Plant
No. 356, Shanying Rd., Guishan Dist., Taoyuan
City 333, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 10, 2025, and testing was started from Jul. 28, 2025 and completed on Aug. 01, 2025. 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 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.)



Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	7
1.3 Testing Location Information	7
1.4 Measurement Uncertainty	7
2 TEST CONFIGURATION OF EUT.....	8
2.1 Test Channel Mode	8
2.2 The Worst Case Measurement Configuration	9
2.3 Accessories	10
2.4 Support Equipment.....	10
2.5 Test Setup Diagram	11
3 TRANSMITTER TEST RESULT	12
3.1 AC Power-line Conducted Emissions	12
3.2 DTS Bandwidth.....	14
3.3 Maximum Conducted Output Power	15
3.4 Power Spectral Density	17
3.5 Emissions in Non-restricted Frequency Bands	18
3.6 Emissions in Restricted Frequency Bands.....	19
4 TEST EQUIPMENT AND CALIBRATION DATA.....	23
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULTS OF DTS BANDWIDTH	
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY	
APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS	
APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS	
APPENDIX G. TEST PHOTOS	
PHOTOGRAPHS OF EUT V02	

History of this test report

[illegible]

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: 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
2.4-2.4835GHz	BT-LE(125kbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(500kbps)	1.0	1TX

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
0	WHAYU	C1335-510497-A	monopole	I-Pex	2.4G+5G+BT
1	WHAYU	C1335-510498-A	PIFA	I-Pex	2.4G+5G

Ant.	Port	Gain (dBi)					
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	BT
0	1	2.98	3.64	5.73	5.65	4.87	2.98
1	2	2.8	4.62	3.52	5.41	5.06	-

Note 1: The EUT has two antennas.

Note 2: For WLAN SISO and MIMO mode, only MIMO mode has been assessed due to the higher output power.

For 2.4GHz function:

For IEEE 802.11 b mode (1TX/1RX)

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

Ant. 0 (port 1) and Ant. 1 (port 2) could transmit/receive simultaneously.

For BT function:

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

Ant. 0 (port 1) could transmit/receive.

For 5GHz function:

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

Ant. 0 (port 1) and Ant. 1 (port 2) could transmit/receive simultaneously.

Note 3: 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 $N_{ANT} \leq 4$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{IS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{IS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{IS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From PoE		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
Beamforming Function	☐ With beamforming	☒ Without beamforming	
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)	0.607	2.17	379.375u	3k
BT-LE(2Mbps)	0.312	5.06	195.625u	10k

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

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	Simon Cheng	23.2~23.7°C / 53~64%	01/Aug/2025
RF Conducted	TH01-HY	Sonic Li	22.3~22.6°C / 50~52%	28/Jul/2025
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH26-HY	Andy Wang	23.1~24.3°C / 51~56%	29/Jul/2025~01/Aug/2025

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	3.44 dB	Confidence levels of 95%
Conducted Output Power	1.48 dB	Confidence levels of 95%
Bandwidth	0.05 MHz	Confidence levels of 95%
Conducted Emission	1.48 dB	Confidence levels of 95%
Power Spectral Density	1.22 dB	Confidence levels of 95%
Radiated Emission (9 kHz ~ 30 MHz)	2.9 dB	Confidence levels of 95%
Radiated Emission (30 MHz ~ 1 GHz)	5.64 dB	Confidence levels of 95%
Radiated Emission (1 GHz ~ 18 GHz)	5.02 dB	Confidence levels of 95%
Radiated Emission (18 GHz ~ 40 GHz)	5.28 dB	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	PuTTY release 0.62
-----------------------	--------------------

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Bluetooth (Ant0) + 5GHz(Ant0) + 5GHz(Ant1)
Refer to Sporton Test Report No.: FA550909-01 for Co-location RF Exposure Evaluation.	

2.3 Accessories

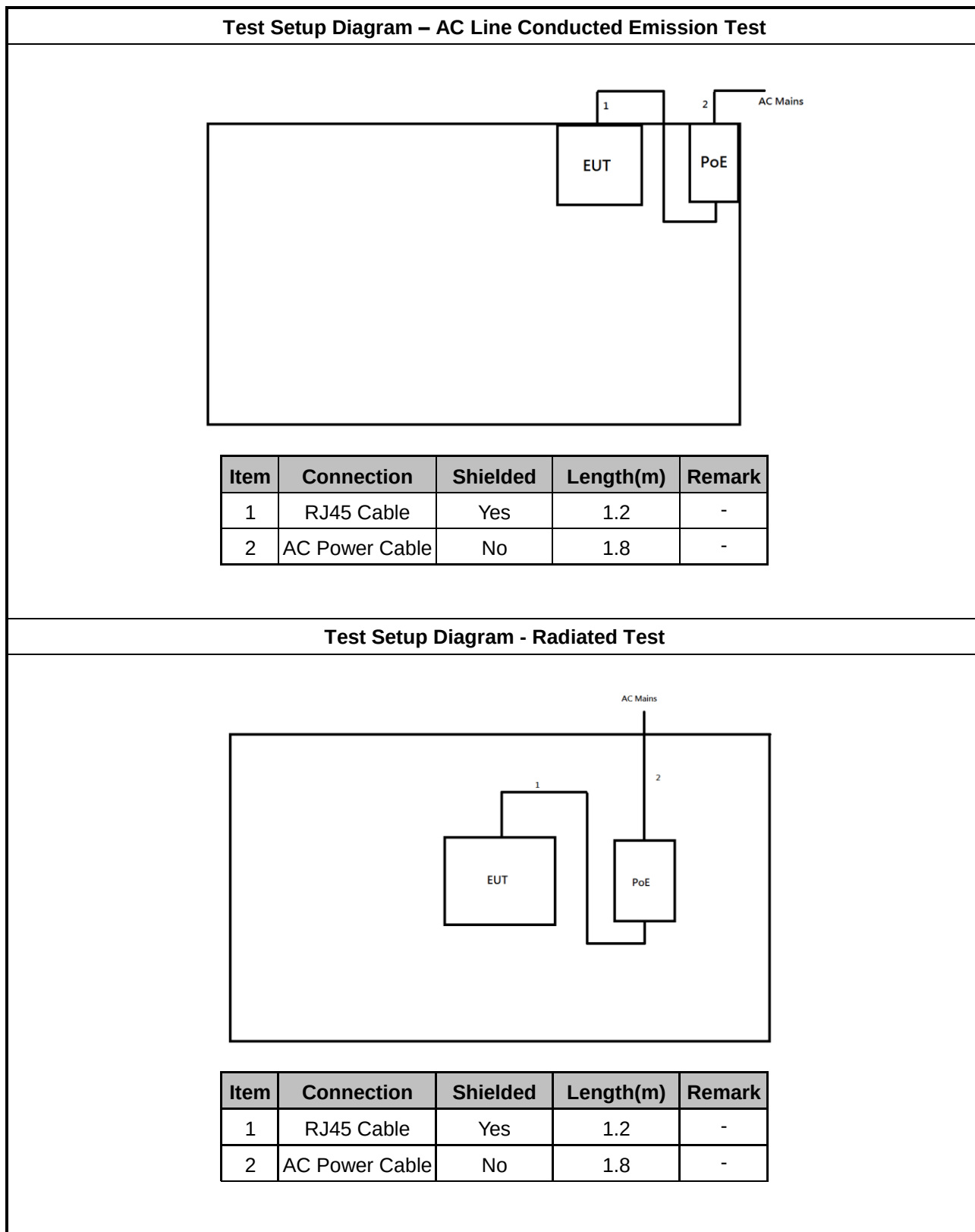
Accessories				
PoE	Brand Name	DELTA	Model Name	ADH-45AR B
	Power Rating	I/P: 100-240Vac, 1.5A, O/P: 56.0Vdc, 0.805A		
Battery	Brand Name	Atemitech	Model Name	VAL
	Power Rating	7.27Vdc, 2900mAh	Type	Li-ion
RJ45 Cable	Category	CAT 6A	In/Out door	Outdoor
	Signal Line	1.2 meter, shielded cable		

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

2.4 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

2.5 Test Setup Diagram



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

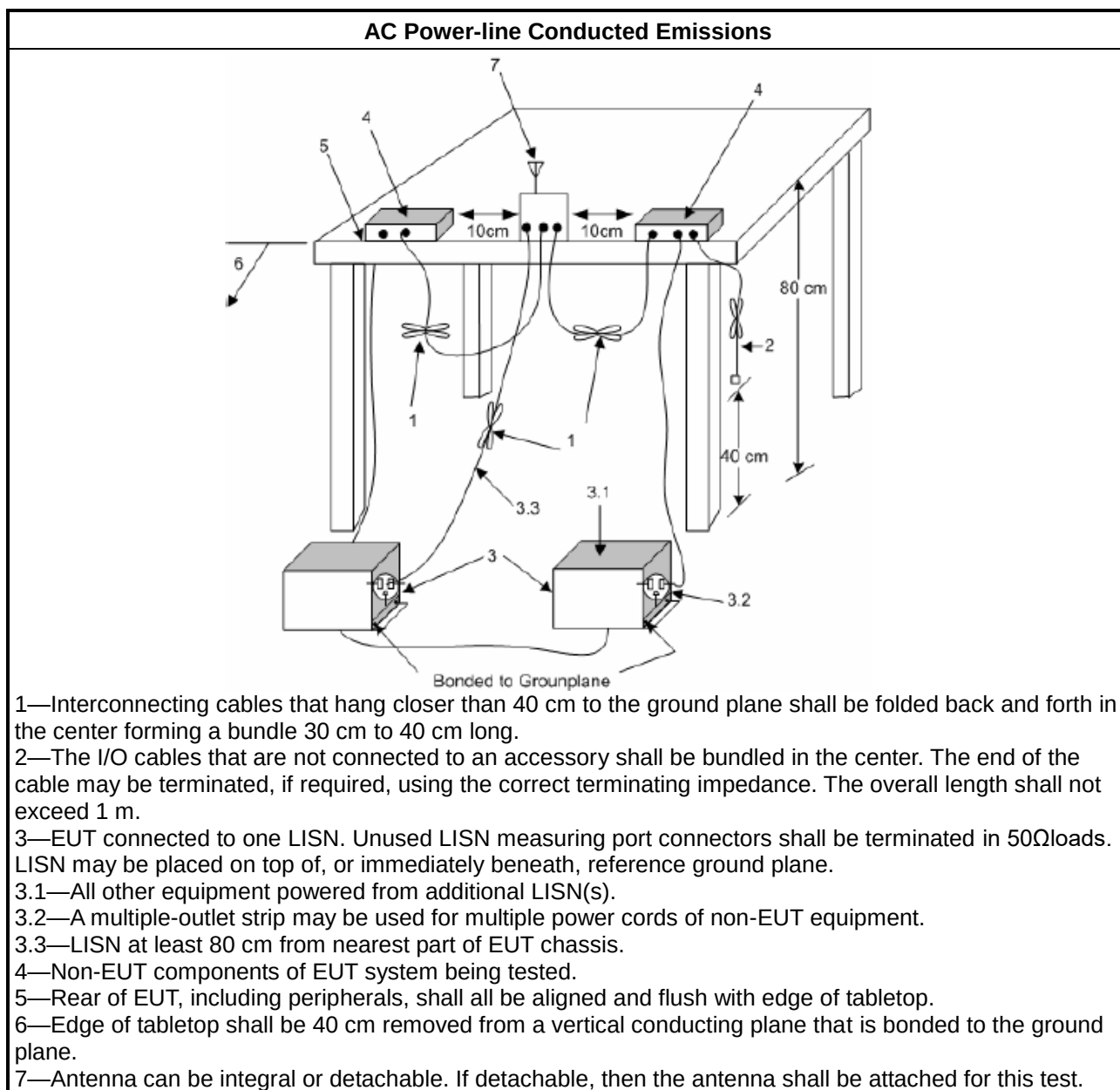
Test Method
▪ Refer as ANSI C63.10, clause 6.2 foray power-line conducted emissions.

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.

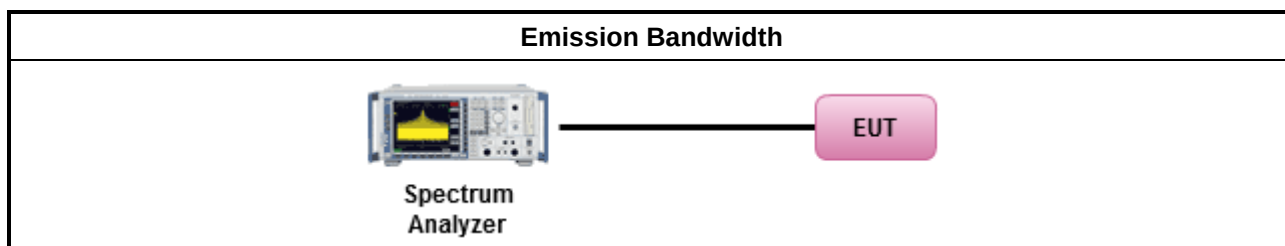
3.2.2 Measuring Instruments

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.	

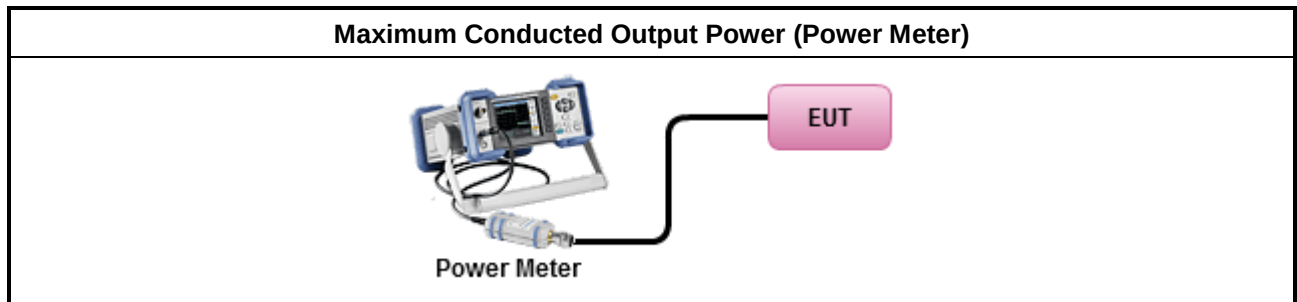
3.3.2 Measuring Instruments

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

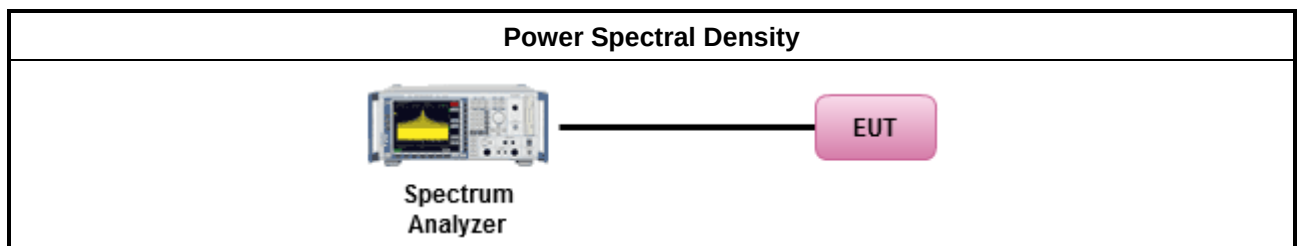
3.4.2 Measuring Instruments

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.	

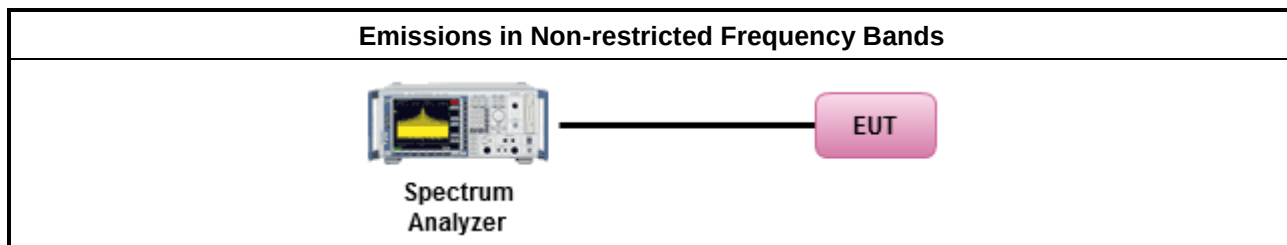
3.5.2 Measuring Instruments

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

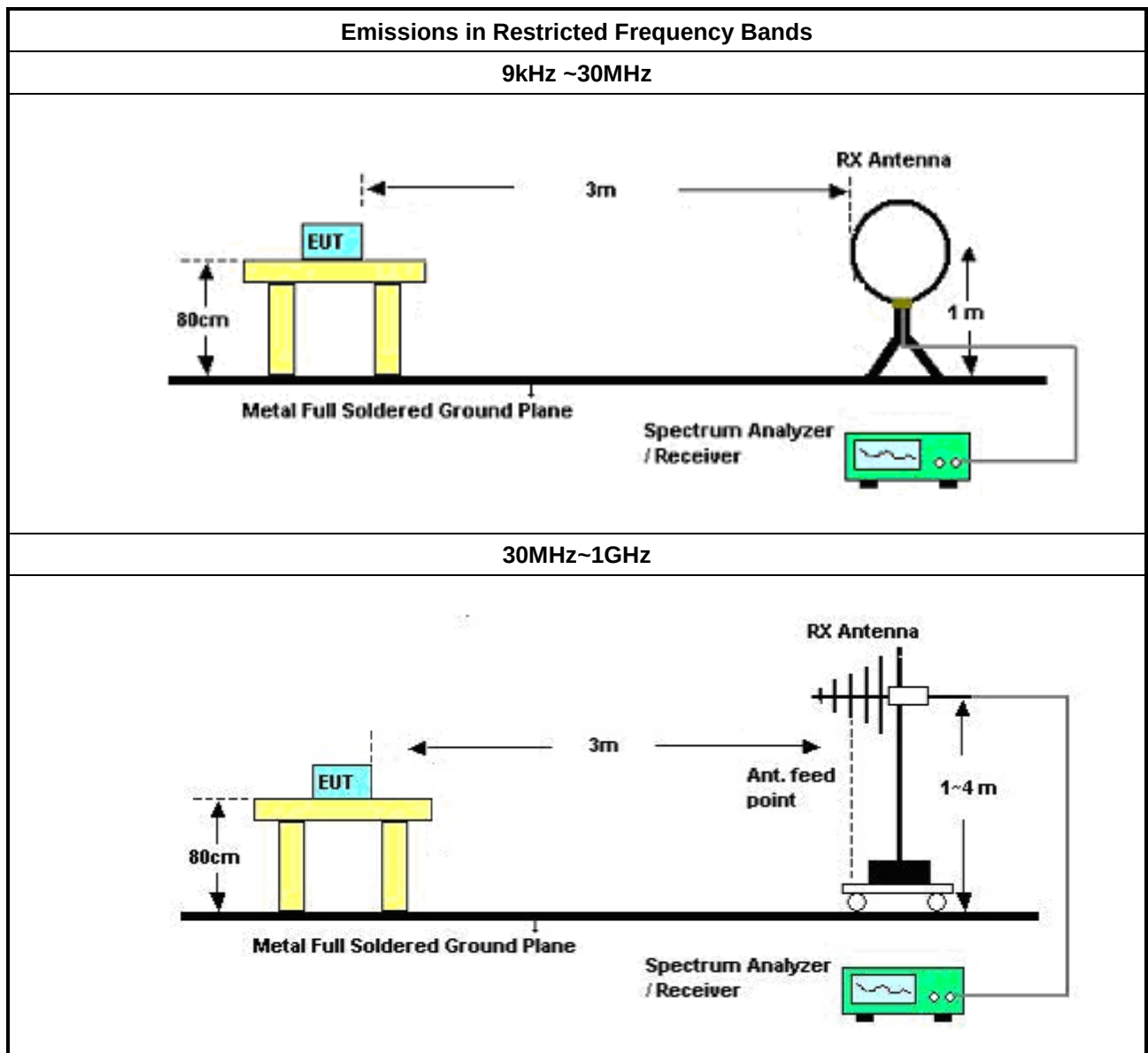
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

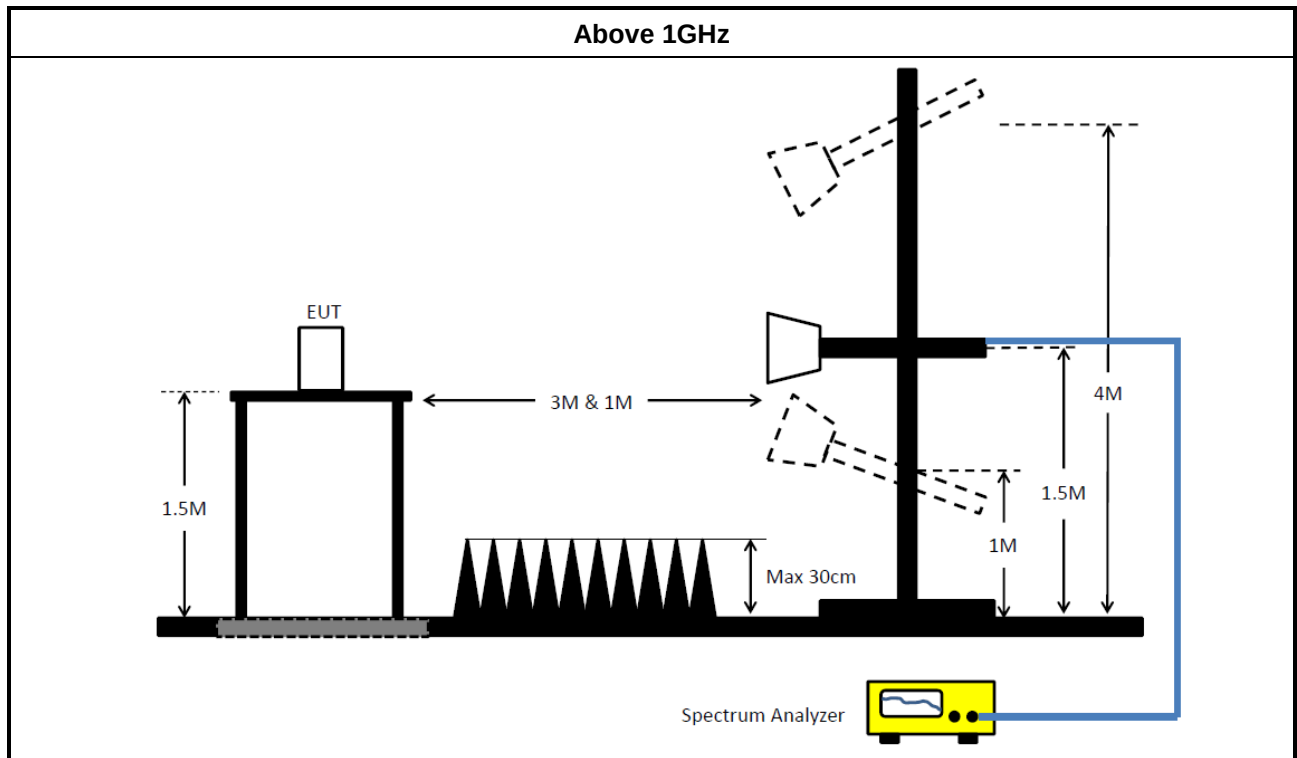
3.6.4 Measurement Results Calculation

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	100003	9kHz ~ 30MHz	18/Apr/2025	17/Apr/2026
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	26/Feb/2025	25/Feb/2026
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	17/Oct/2024	16/Oct/2025
Software	Sporton	SENSE-EMI	V5.11.6	-	NCR	NCR

NCR: No Calibration Required

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH26-HY	30MHz~1GHz 3m	07/Aug/2024	06/Aug/2025
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH26-HY	1GHz~18GHz 3m	07/Aug/2024	06/Aug/2025
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	06/Dec/2024	05/Dec/2025
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101411	10Hz~44GHz	09/Oct/2024	08/Oct/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63540/002	30MHz~1GHz	04/Jun/2025	03/Jun/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02877	1GHz~18GHz	02/Jul/2025	01/Jul/2026
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB009	9kHz~1GHz	21/Oct/2024	20/Oct/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB009	1GHz~40GHz	21/Oct/2024	20/Oct/2025
Preamplifier	SGH	PRAMP 903	20230515-2	30MHz~1GHz	21/May/2025	20/May/2026
Preamplifier	SGH	PRAMP 118-H	20230515-4	1GHz ~18GHz	21/May/2025	20/May/2026
Amplifier	EM	EM18G40G	060874	18GHz ~ 40GHz	18/Apr/2025	17/Apr/2026
SENSE-15247-FS	Sporton	V5.11.24	NA	NA	NA	NA

**Instrument for Conducted Test**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV3044	101438	10Hz~44GHz	01/Nov/2024	31/Oct/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	949003	300MHz~40GHz	13/Feb/2025	12/Feb/2026
Pulse Sensor	Anritsu	MA2411B	917017	300MHz~40GHz	13/Feb/2025	12/Feb/2026
SENSE-15247_FS	Sporton	V5.11.25	N/A	N/A	N/A	N/A



Conducted Emissions at Powerline

Appendix A

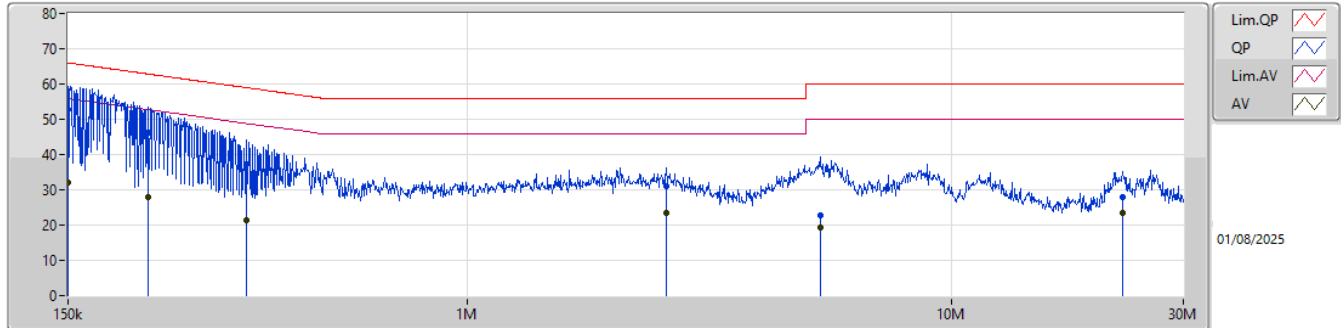
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	151.2k	53.00	65.92	-12.92	Neutral

Result

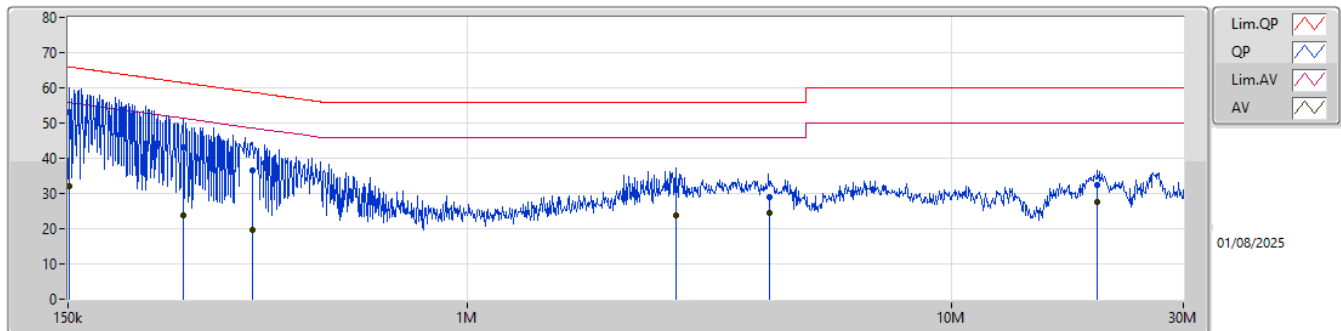
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	52.66	66.00	-13.34	Line
Mode 1	Pass	AV	150k	32.22	56.00	-23.78	Line
Mode 1	Pass	QP	219.176k	46.37	62.85	-16.48	Line
Mode 1	Pass	AV	219.176k	27.86	52.85	-24.99	Line
Mode 1	Pass	QP	349.654k	37.09	58.96	-21.87	Line
Mode 1	Pass	AV	349.654k	21.31	48.96	-27.65	Line
Mode 1	Pass	QP	2.573M	30.95	56.00	-25.05	Line
Mode 1	Pass	AV	2.573M	23.32	46.00	-22.68	Line
Mode 1	Pass	QP	5.343M	22.70	60.00	-37.30	Line
Mode 1	Pass	AV	5.343M	19.30	50.00	-30.70	Line
Mode 1	Pass	QP	22.485M	28.03	60.00	-31.97	Line
Mode 1	Pass	AV	22.485M	23.47	50.00	-26.53	Line
Mode 1	Pass	QP	151.2k	53.00	65.92	-12.92	Neutral
Mode 1	Pass	AV	151.2k	32.07	55.92	-23.85	Neutral
Mode 1	Pass	QP	259.19k	43.06	61.45	-18.39	Neutral
Mode 1	Pass	AV	259.19k	23.71	51.45	-27.74	Neutral
Mode 1	Pass	QP	361k	36.46	58.70	-22.24	Neutral
Mode 1	Pass	AV	361k	19.78	48.70	-28.92	Neutral
Mode 1	Pass	QP	2.69M	31.03	56.00	-24.97	Neutral
Mode 1	Pass	AV	2.69M	23.64	46.00	-22.36	Neutral
Mode 1	Pass	QP	4.19M	28.88	56.00	-27.12	Neutral
Mode 1	Pass	AV	4.19M	24.36	46.00	-21.64	Neutral
Mode 1	Pass	QP	19.95M	32.26	60.00	-27.74	Neutral
Mode 1	Pass	AV	19.95M	27.45	50.00	-22.55	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	52.66	66.00	-13.34	19.61	Line	-	33.05	9.63	0.01	9.97						
AV	150k	32.22	56.00	-23.78	19.61	Line	-	12.61	9.63	0.01	9.97						
QP	219.176k	46.37	62.85	-16.48	19.61	Line	-	26.76	9.63	0.01	9.97						
AV	219.176k	27.86	52.85	-24.99	19.61	Line	-	8.25	9.63	0.01	9.97						
QP	349.654k	37.09	58.96	-21.87	19.64	Line	-	17.45	9.63	0.03	9.98						
AV	349.654k	21.31	48.96	-27.65	19.64	Line	-	1.67	9.63	0.03	9.98						
QP	2.573M	30.95	56.00	-25.05	19.67	Line	-	11.28	9.66	0.04	9.97						
AV	2.573M	23.32	46.00	-22.68	19.67	Line	-	3.65	9.66	0.04	9.97						
QP	5.343M	22.70	60.00	-37.30	19.79	Line	-	2.91	9.70	0.11	9.98						
AV	5.343M	19.30	50.00	-30.70	19.79	Line	-	-0.49	9.70	0.11	9.98						
QP	22.485M	28.03	60.00	-31.97	20.09	Line	-	7.94	9.79	0.31	9.99						
AV	22.485M	23.47	50.00	-26.53	20.09	Line	-	3.38	9.79	0.31	9.99						

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	151.2k	53.00	65.92	-12.92	19.71	Neutral	-	33.29	9.73	0.01	9.97						
AV	151.2k	32.07	55.92	-23.85	19.71	Neutral	-	12.36	9.73	0.01	9.97						
QP	259.19k	43.06	61.45	-18.39	19.71	Neutral	-	23.35	9.72	0.02	9.97						
AV	259.19k	23.71	51.45	-27.74	19.71	Neutral	-	4.00	9.72	0.02	9.97						
QP	361k	36.46	58.70	-22.24	19.72	Neutral	-	16.74	9.71	0.03	9.98						
AV	361k	19.78	48.70	-28.92	19.72	Neutral	-	0.06	9.71	0.03	9.98						
QP	2.69M	31.03	56.00	-24.97	19.77	Neutral	-	11.26	9.76	0.04	9.97						
AV	2.69M	23.64	46.00	-22.36	19.77	Neutral	-	3.87	9.76	0.04	9.97						
QP	4.19M	28.88	56.00	-27.12	19.84	Neutral	-	9.04	9.80	0.06	9.98						
AV	4.19M	24.36	46.00	-21.64	19.84	Neutral	-	4.52	9.80	0.06	9.98						
QP	19.95M	32.26	60.00	-27.74	20.35	Neutral	-	11.91	10.09	0.28	9.98						
AV	19.95M	27.45	50.00	-22.55	20.35	Neutral	-	7.10	10.09	0.28	9.98						

**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)	733.75k	1.046M	1M05F1D	656.25k	1.04M
BT-LE(2Mbps)	1.36M	2.06M	2M06F1D	915k	2.049M

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

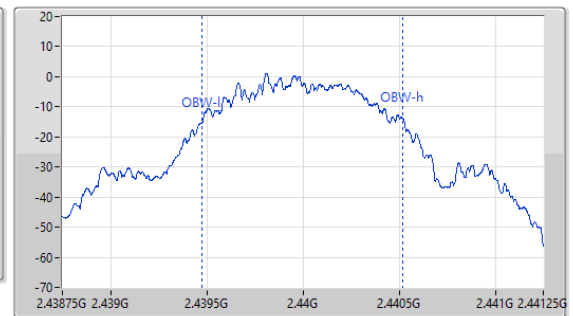
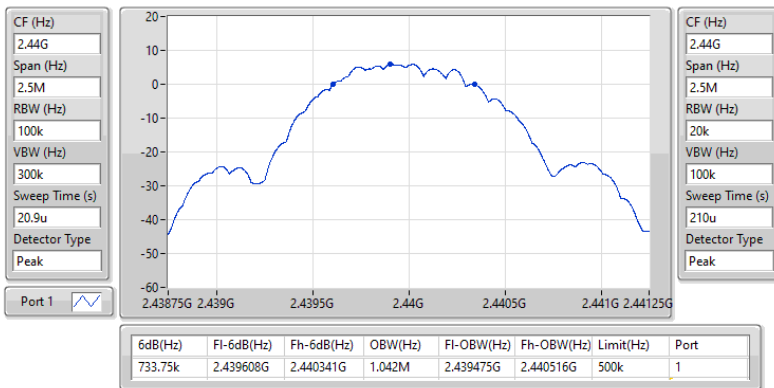
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	718.75k	1.04M
2440MHz	Pass	500k	733.75k	1.042M
2480MHz	Pass	500k	656.25k	1.046M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	915k	2.056M
2440MHz	Pass	500k	1.335M	2.06M
2480MHz	Pass	500k	1.36M	2.049M

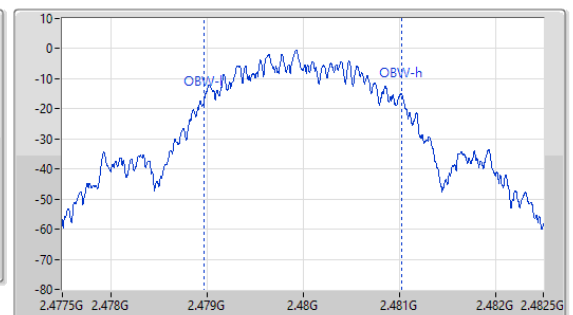
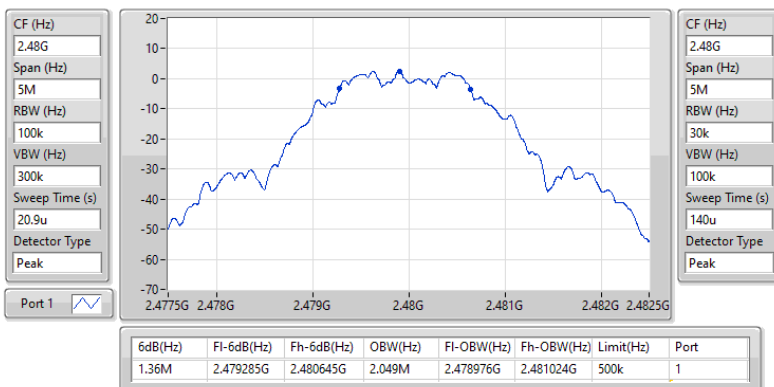
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

28/07/2025


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

28/07/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	6.89	0.00489
BT-LE(2Mbps)	6.48	0.00445



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	2.98	6.70	30.00
2440MHz	Pass	2.98	6.89	30.00
2480MHz	Pass	2.98	6.40	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	2.98	6.28	30.00
2440MHz	Pass	2.98	6.48	30.00
2480MHz	Pass	2.98	5.79	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)	-8.16
BT-LE(2Mbps)	-10.34

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	2.98	-9.51	8.00
2440MHz	Pass	2.98	-8.16	8.00
2480MHz	Pass	2.98	-8.86	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	2.98	-10.34	8.00
2440MHz	Pass	2.98	-11.01	8.00
2480MHz	Pass	2.98	-11.04	8.00

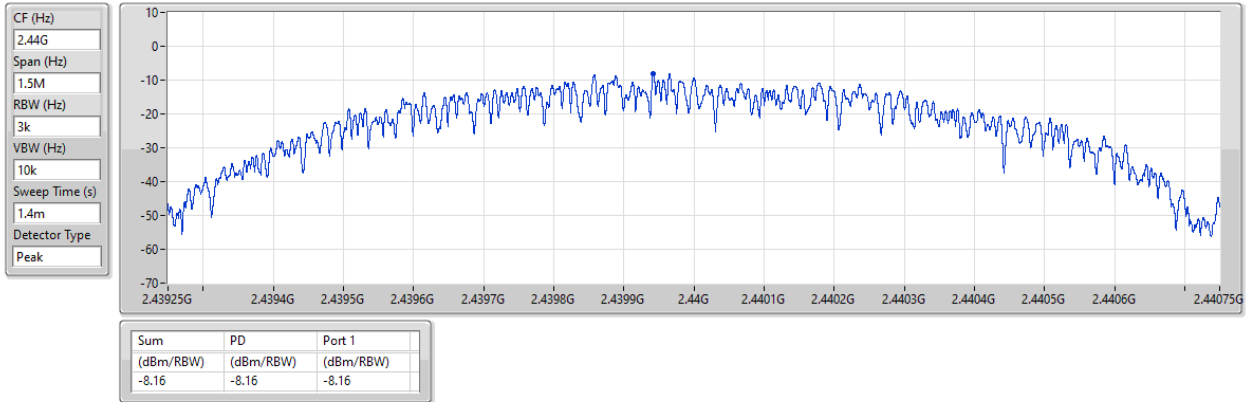
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

28/07/2025

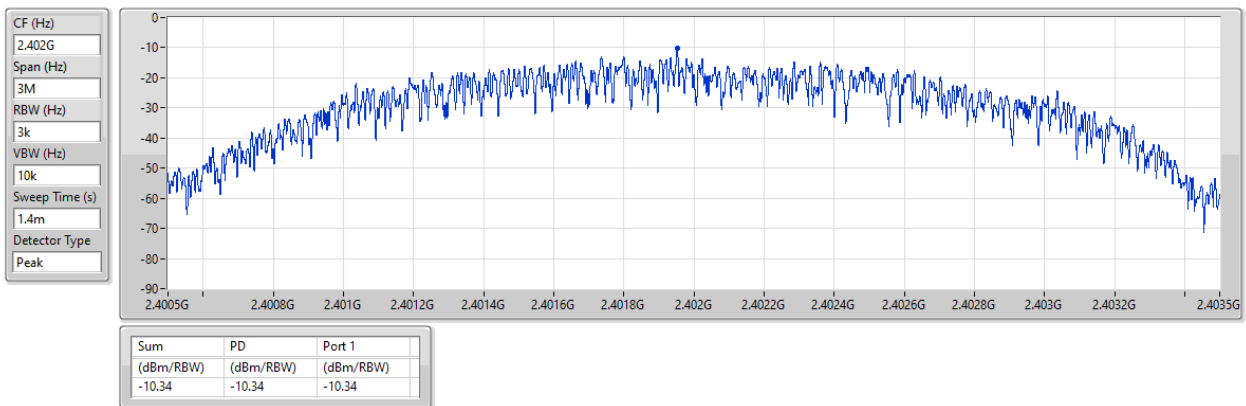


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

28/07/2025



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.43975G	6.74	-23.26	2.16028G	-54.43	2.4G	-47.10	2.4G	-44.46	2.50058G	-55.68	21.58616G	-44.65	1
BT-LE(2Mbps)	Pass	2.43991G	6.57	-23.43	2.30598G	-54.64	2.4G	-26.96	2.4G	-27.81	2.50286G	-55.90	21.61146G	-43.18	1

Result

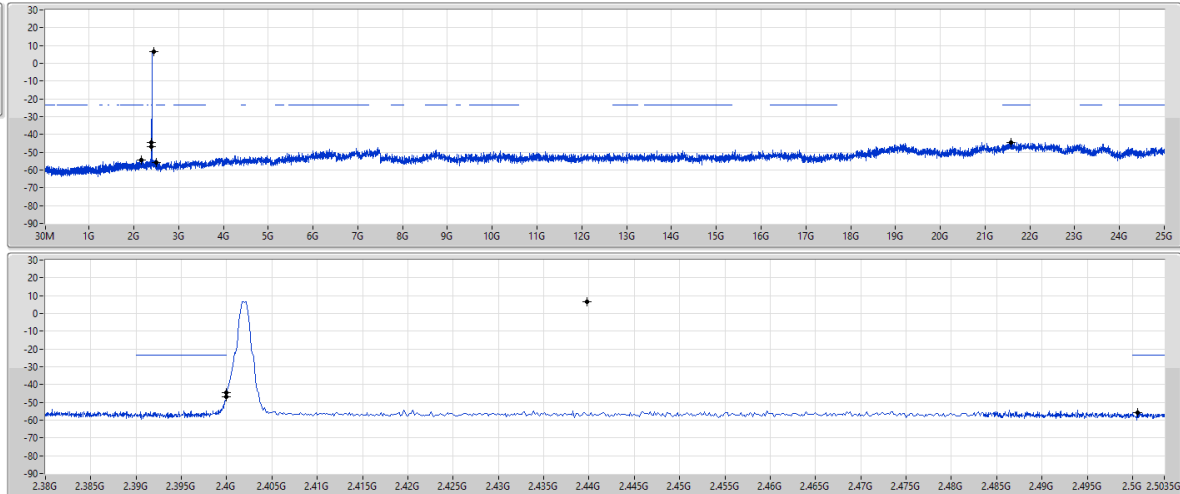
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43975G	6.74	-23.26	2.16028G	-54.43	2.4G	-47.10	2.4G	-44.46	2.50058G	-55.68	21.58616G	-44.65	1
2440MHz	Pass	2.43975G	6.74	-23.26	2.16733G	-53.91	2.39584G	-54.64	2.4G	-56.82	2.50158G	-54.22	21.93485G	-43.92	1
2480MHz	Pass	2.43975G	6.74	-23.26	1.72435G	-54.97	2.392G	-54.52	2.4G	-57.49	2.50134G	-55.31	22.00234G	-43.07	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	6.57	-23.43	2.30598G	-54.64	2.4G	-26.96	2.4G	-27.81	2.50286G	-55.90	21.61146G	-43.18	1
2440MHz	Pass	2.43991G	6.57	-23.43	2.13913G	-53.76	2.3918G	-54.42	2.4G	-58.60	2.50074G	-55.13	21.64802G	-44.43	1
2480MHz	Pass	2.43991G	6.57	-23.43	2.19788G	-54.42	2.39704G	-54.03	2.4G	-56.69	2.5021G	-55.36	21.66771G	-43.80	1

2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

28/07/2025

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

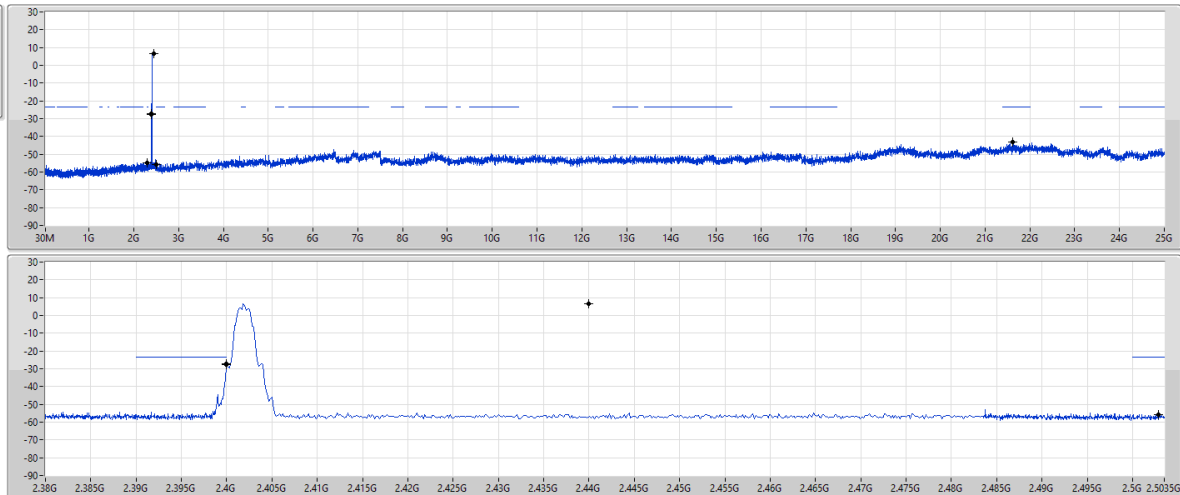
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43975G	6.74	-23.26	2.16028G	-54.43	2.4G	-47.10	2.4G	-44.46	2.50058G	-55.68	2.158616G	-44.65	1

2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

28/07/2025

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
2.43991G	6.57	-23.43	2.30598G	-54.64	2.4G	-26.96	2.4G	-27.81	2.50286G	-55.90	2.161146G	-43.18	1



Summary

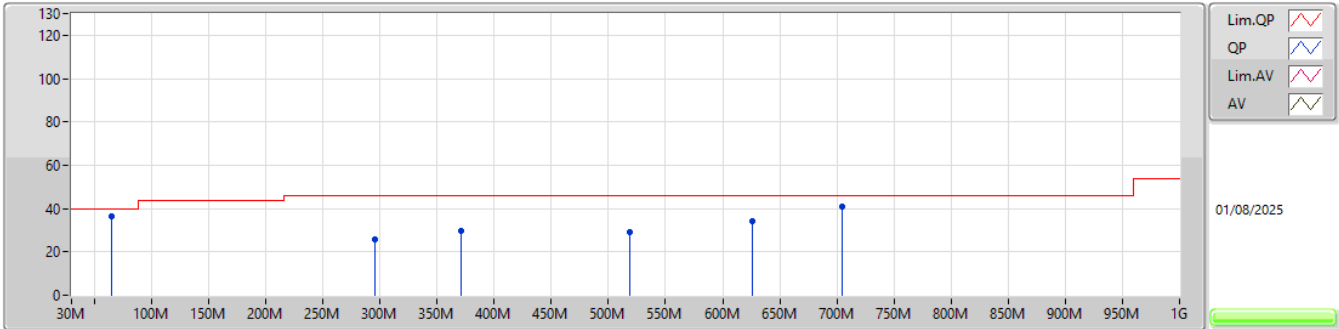
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	64.92M	36.58	40.00	-3.42	3	Vertical	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_PoE	Pass	PK	64.92M	36.58	40.00	-3.42	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	295.78M	25.89	46.00	-20.11	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	371.44M	29.74	46.00	-16.26	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	518.88M	29.27	46.00	-16.73	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	625.58M	34.30	46.00	-11.70	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	705.12M	40.89	46.00	-5.11	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	30M	30.81	40.00	-9.19	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	125.06M	25.46	43.50	-18.04	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	272.5M	33.95	46.00	-12.05	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	371.44M	32.60	46.00	-13.40	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	625.58M	36.34	46.00	-9.66	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	817.64M	41.23	46.00	-4.77	3	Horizontal	0	1.00

2.4-2.4835GHz_BT-LE(2Mbps)

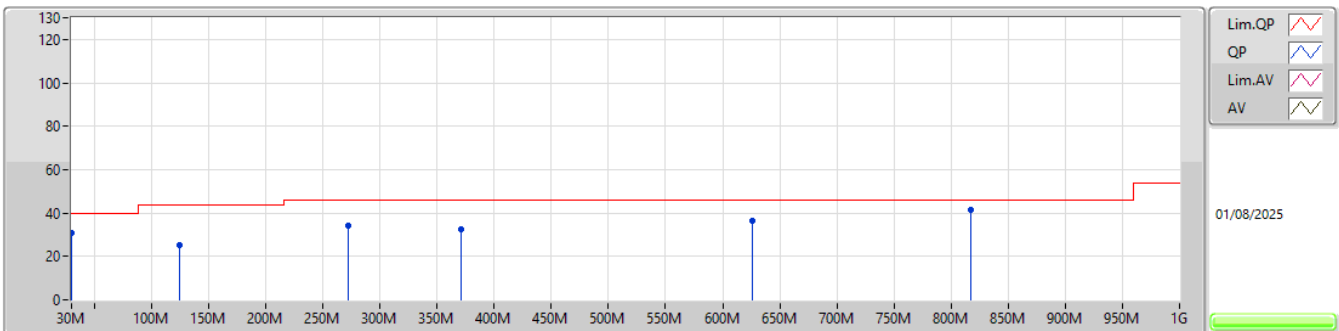
2440MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
PK	64.92M	36.58	40.00	-3.42	-31.31	3	Vertical	360	1.00	67.89	12.37	0.95	44.63
PK	295.78M	25.89	46.00	-20.11	-22.62	3	Vertical	360	1.00	48.51	19.63	1.98	44.23
PK	371.44M	29.74	46.00	-16.26	-20.77	3	Vertical	360	1.00	50.51	21.14	2.23	44.14
PK	518.88M	29.27	46.00	-16.73	-16.87	3	Vertical	360	1.00	46.14	24.40	2.67	43.94
PK	625.58M	34.30	46.00	-11.70	-14.32	3	Vertical	360	1.00	48.62	26.69	2.84	43.85
PK	705.12M	40.89	46.00	-5.11	-13.71	3	Vertical	360	1.00	54.60	27.00	3.05	43.76

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
PK	30M	30.81	40.00	-9.19	-19.80	3	Horizontal	0	1.00	50.61	23.79	0.78	44.37
PK	125.06M	25.46	43.50	-18.04	-25.24	3	Horizontal	0	1.00	50.70	18.03	1.30	44.57
PK	272.5M	33.95	46.00	-12.05	-23.26	3	Horizontal	0	1.00	57.21	19.13	1.90	44.29
PK	371.44M	32.60	46.00	-13.40	-20.77	3	Horizontal	0	1.00	53.37	21.14	2.23	44.14
PK	625.58M	36.34	46.00	-9.66	-14.32	3	Horizontal	0	1.00	50.66	26.69	2.84	43.85
PK	817.64M	41.23	46.00	-4.77	-12.09	3	Horizontal	0	1.00	53.32	28.30	3.29	43.68



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	2.4936G	48.40	54.00	-5.60	3	Vertical	308	1.01
BT-LE(2Mbps)	Pass	AV	2.4898G	49.67	54.00	-4.33	3	Vertical	316	1.01

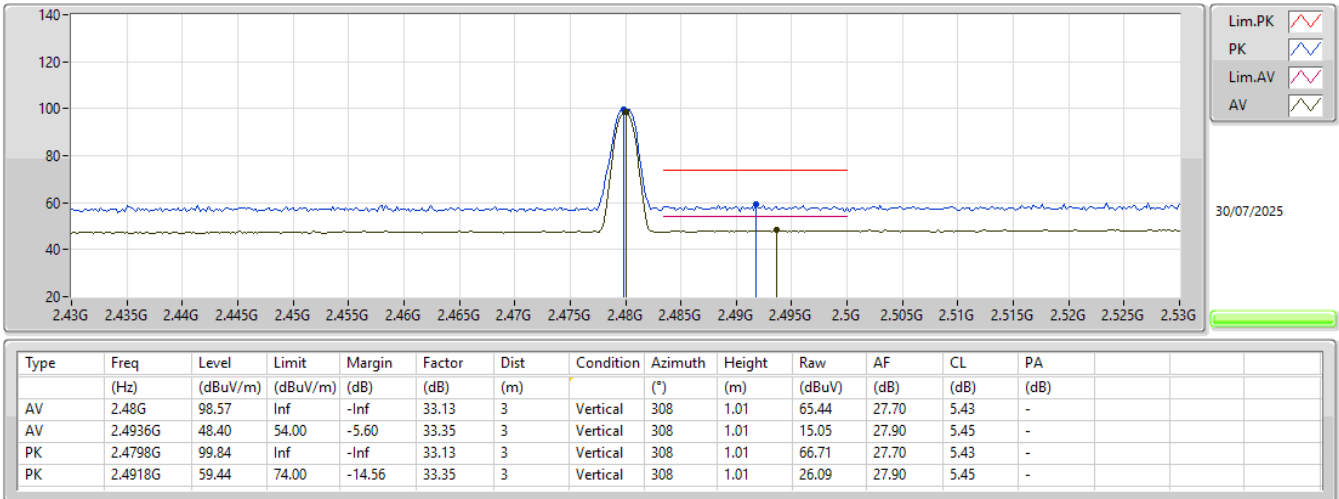
Result

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	2.3528G	47.37	54.00	-6.63	3	Vertical	337	2.58
2402MHz	Pass	AV	2.402G	101.69	Inf	-Inf	3	Vertical	337	2.58
2402MHz	Pass	PK	2.3754G	57.79	74.00	-16.21	3	Vertical	337	2.58
2402MHz	Pass	PK	2.4018G	102.79	Inf	-Inf	3	Vertical	337	2.58
2402MHz	Pass	AV	2.355G	47.48	54.00	-6.52	3	Horizontal	307	2.59
2402MHz	Pass	AV	2.402G	101.70	Inf	-Inf	3	Horizontal	307	2.59
2402MHz	Pass	PK	2.3804G	57.97	74.00	-16.03	3	Horizontal	307	2.59
2402MHz	Pass	PK	2.4022G	102.75	Inf	-Inf	3	Horizontal	307	2.59
2402MHz	Pass	AV	4.80524G	32.75	54.00	-21.25	3	Vertical	298	1.54
2402MHz	Pass	PK	4.80631G	43.74	74.00	-30.26	3	Vertical	298	1.54
2402MHz	Pass	AV	4.80304G	32.66	54.00	-21.34	3	Horizontal	56	2.24
2402MHz	Pass	PK	4.80176G	44.18	74.00	-29.82	3	Horizontal	56	2.24
2440MHz	Pass	AV	2.34G	47.50	54.00	-6.50	3	Vertical	315	1.11
2440MHz	Pass	AV	2.44G	99.92	Inf	-Inf	3	Vertical	315	1.11
2440MHz	Pass	AV	2.4956G	48.04	54.00	-5.96	3	Vertical	315	1.11
2440MHz	Pass	PK	2.374G	58.50	74.00	-15.50	3	Vertical	315	1.11
2440MHz	Pass	PK	2.4404G	101.04	Inf	-Inf	3	Vertical	315	1.11
2440MHz	Pass	PK	2.4868G	59.46	74.00	-14.54	3	Vertical	315	1.11
2440MHz	Pass	AV	2.374G	47.22	54.00	-6.78	3	Horizontal	16	2.93
2440MHz	Pass	AV	2.44G	99.15	Inf	-Inf	3	Horizontal	16	2.93
2440MHz	Pass	AV	2.4916G	48.20	54.00	-5.80	3	Horizontal	16	2.93
2440MHz	Pass	PK	2.3884G	58.84	74.00	-15.16	3	Horizontal	16	2.93
2440MHz	Pass	PK	2.4396G	100.31	Inf	-Inf	3	Horizontal	16	2.93
2440MHz	Pass	PK	2.4868G	59.91	74.00	-14.09	3	Horizontal	16	2.93
2440MHz	Pass	AV	4.87834G	33.20	54.00	-20.80	3	Vertical	0	2.13
2440MHz	Pass	PK	4.87819G	44.28	74.00	-29.72	3	Vertical	0	2.13
2440MHz	Pass	AV	4.87771G	33.70	54.00	-20.30	3	Horizontal	315	1.50
2440MHz	Pass	PK	4.87974G	44.97	74.00	-29.03	3	Horizontal	315	1.50
2480MHz	Pass	AV	2.48G	98.57	Inf	-Inf	3	Vertical	308	1.01
2480MHz	Pass	AV	2.4936G	48.40	54.00	-5.60	3	Vertical	308	1.01
2480MHz	Pass	PK	2.4798G	99.84	Inf	-Inf	3	Vertical	308	1.01
2480MHz	Pass	PK	2.4918G	59.44	74.00	-14.56	3	Vertical	308	1.01
2480MHz	Pass	AV	2.48G	97.29	Inf	-Inf	3	Horizontal	76	1.04
2480MHz	Pass	AV	2.4908G	48.33	54.00	-5.67	3	Horizontal	76	1.04
2480MHz	Pass	PK	2.4798G	98.51	Inf	-Inf	3	Horizontal	76	1.04
2480MHz	Pass	PK	2.4976G	59.30	74.00	-14.70	3	Horizontal	76	1.04
2480MHz	Pass	AV	4.959G	33.82	54.00	-20.18	3	Vertical	59	1.69
2480MHz	Pass	PK	4.95811G	44.98	74.00	-29.02	3	Vertical	59	1.69
2480MHz	Pass	AV	4.95866G	33.70	54.00	-20.30	3	Horizontal	232	3.00
2480MHz	Pass	PK	4.95752G	46.02	74.00	-27.98	3	Horizontal	232	3.00
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.387G	48.83	54.00	-5.17	3	Vertical	322	1.56
2402MHz	Pass	AV	2.402G	99.23	Inf	-Inf	3	Vertical	322	1.56
2402MHz	Pass	PK	2.385G	58.14	74.00	-15.86	3	Vertical	322	1.56
2402MHz	Pass	PK	2.4014G	101.76	Inf	-Inf	3	Vertical	322	1.56
2402MHz	Pass	AV	2.386G	48.87	54.00	-5.13	3	Horizontal	306	2.59
2402MHz	Pass	AV	2.4018G	100.57	Inf	-Inf	3	Horizontal	306	2.59
2402MHz	Pass	PK	2.3752G	58.53	74.00	-15.47	3	Horizontal	306	2.59
2402MHz	Pass	PK	2.4016G	103.04	Inf	-Inf	3	Horizontal	306	2.59
2402MHz	Pass	AV	4.80536G	34.15	54.00	-19.85	3	Vertical	360	1.50
2402MHz	Pass	PK	4.80599G	43.91	74.00	-30.09	3	Vertical	360	1.50
2402MHz	Pass	AV	4.80446G	34.07	54.00	-19.93	3	Horizontal	195	2.73
2402MHz	Pass	PK	4.80546G	43.57	74.00	-30.43	3	Horizontal	195	2.73
2440MHz	Pass	AV	2.3872G	48.70	54.00	-5.30	3	Vertical	312	1.11
2440MHz	Pass	AV	2.44G	99.21	Inf	-Inf	3	Vertical	312	1.11
2440MHz	Pass	AV	2.4852G	49.60	54.00	-4.40	3	Vertical	312	1.11
2440MHz	Pass	PK	2.36G	58.70	74.00	-15.30	3	Vertical	312	1.11
2440MHz	Pass	PK	2.4396G	101.78	Inf	-Inf	3	Vertical	312	1.11
2440MHz	Pass	PK	2.4916G	58.77	74.00	-15.23	3	Vertical	312	1.11
2440MHz	Pass	AV	2.3684G	48.61	54.00	-5.39	3	Horizontal	16	2.93

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2440MHz	Pass	AV	2.44G	97.64	Inf	-Inf	3	Horizontal	16	2.93
2440MHz	Pass	AV	2.4916G	49.48	54.00	-4.52	3	Horizontal	16	2.93
2440MHz	Pass	PK	2.3628G	58.15	74.00	-15.85	3	Horizontal	16	2.93
2440MHz	Pass	PK	2.4396G	100.22	Inf	-Inf	3	Horizontal	16	2.93
2440MHz	Pass	PK	2.4835G	58.82	74.00	-15.18	3	Horizontal	16	2.93
2440MHz	Pass	AV	4.88092G	34.71	54.00	-19.29	3	Vertical	95	1.50
2440MHz	Pass	PK	4.87992G	44.57	74.00	-29.43	3	Vertical	95	1.50
2440MHz	Pass	AV	4.88142G	34.72	54.00	-19.28	3	Horizontal	360	1.50
2440MHz	Pass	PK	4.87835G	44.56	74.00	-29.44	3	Horizontal	360	1.50
2480MHz	Pass	AV	2.4798G	97.20	Inf	-Inf	3	Vertical	316	1.01
2480MHz	Pass	AV	2.4898G	49.67	54.00	-4.33	3	Vertical	316	1.01
2480MHz	Pass	PK	2.4794G	99.79	Inf	-Inf	3	Vertical	316	1.01
2480MHz	Pass	PK	2.4856G	59.03	74.00	-14.97	3	Vertical	316	1.01
2480MHz	Pass	AV	2.4798G	96.10	Inf	-Inf	3	Horizontal	75	1.04
2480MHz	Pass	AV	2.4896G	49.53	54.00	-4.47	3	Horizontal	75	1.04
2480MHz	Pass	PK	2.4796G	98.52	Inf	-Inf	3	Horizontal	75	1.04
2480MHz	Pass	PK	2.4872G	59.28	74.00	-14.72	3	Horizontal	75	1.04
2480MHz	Pass	AV	4.96228G	35.18	54.00	-18.82	3	Vertical	105	1.84
2480MHz	Pass	PK	4.95922G	44.78	74.00	-29.22	3	Vertical	105	1.84
2480MHz	Pass	AV	4.95928G	35.13	54.00	-18.87	3	Horizontal	85	2.65
2480MHz	Pass	PK	4.9614G	45.00	74.00	-29.00	3	Horizontal	85	2.65

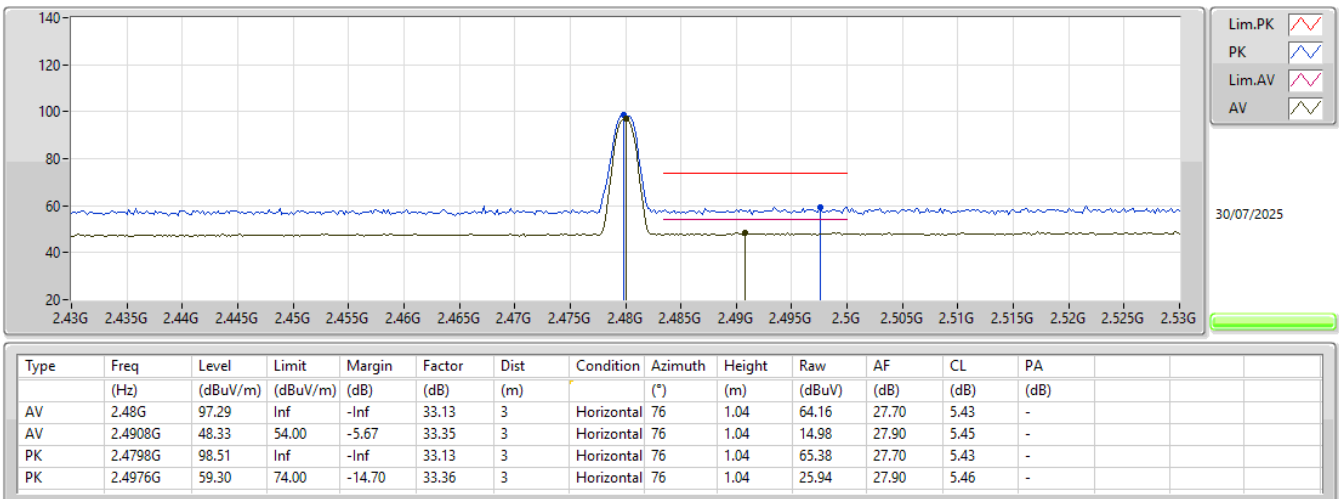
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



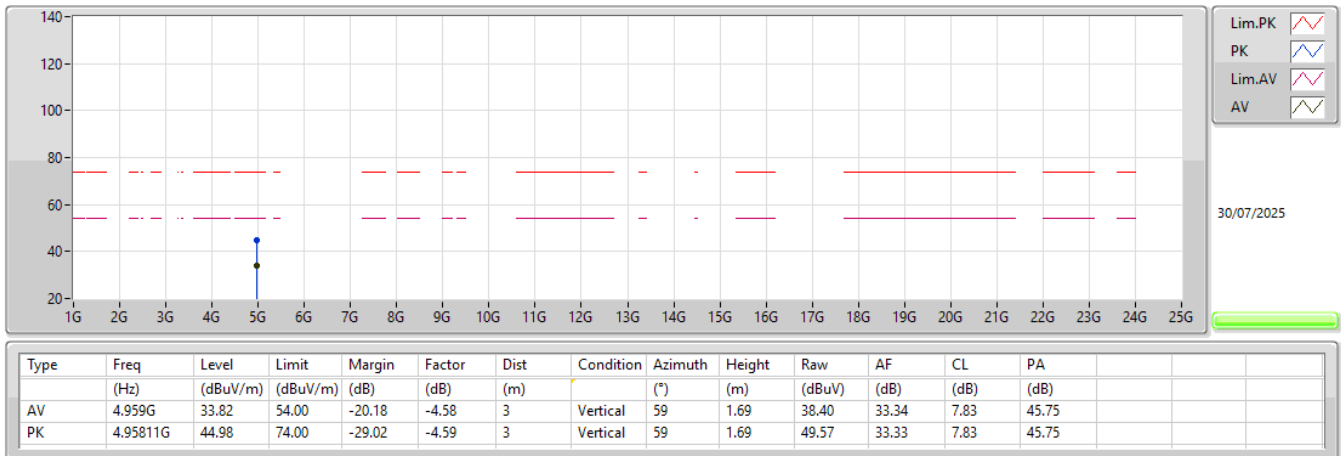
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



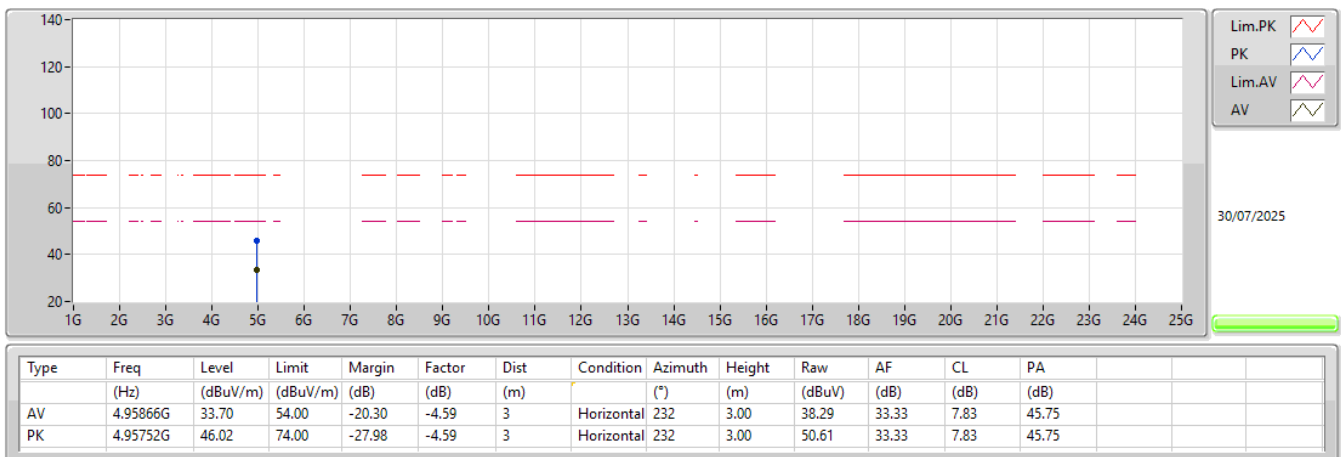
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



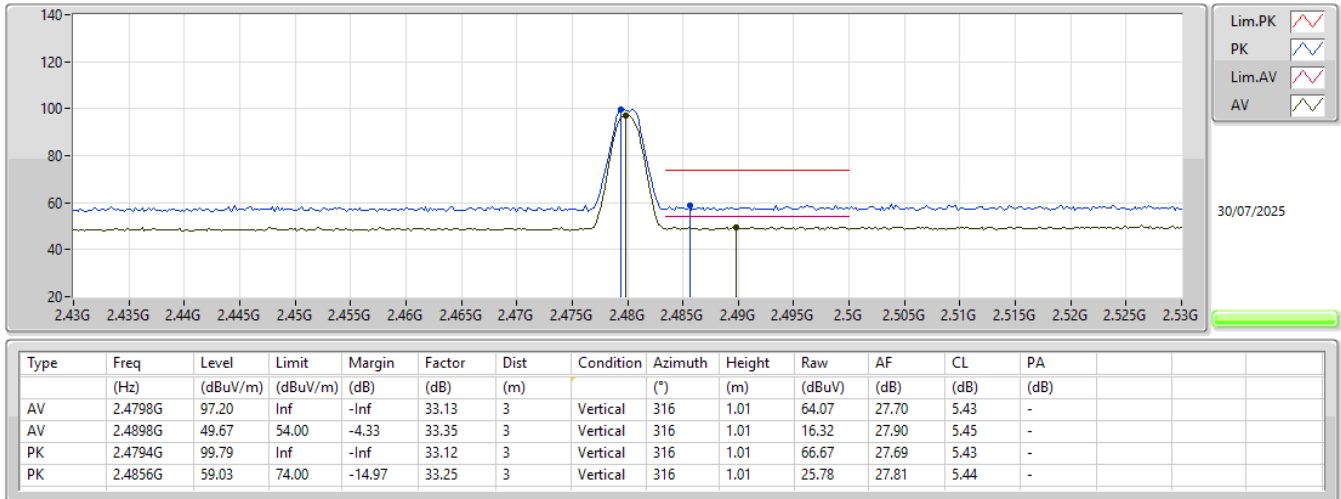
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



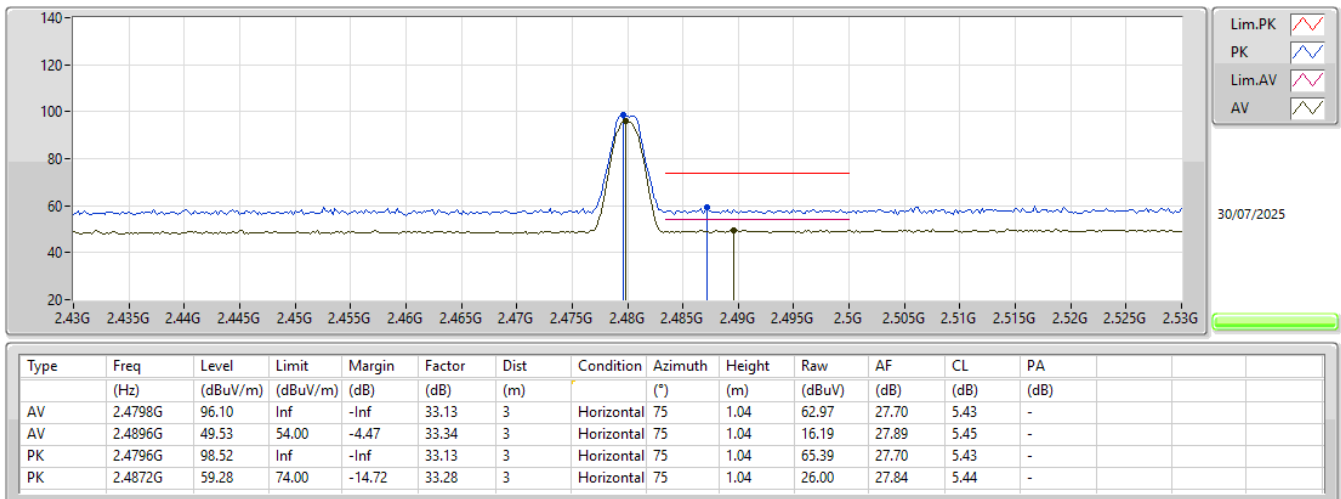
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



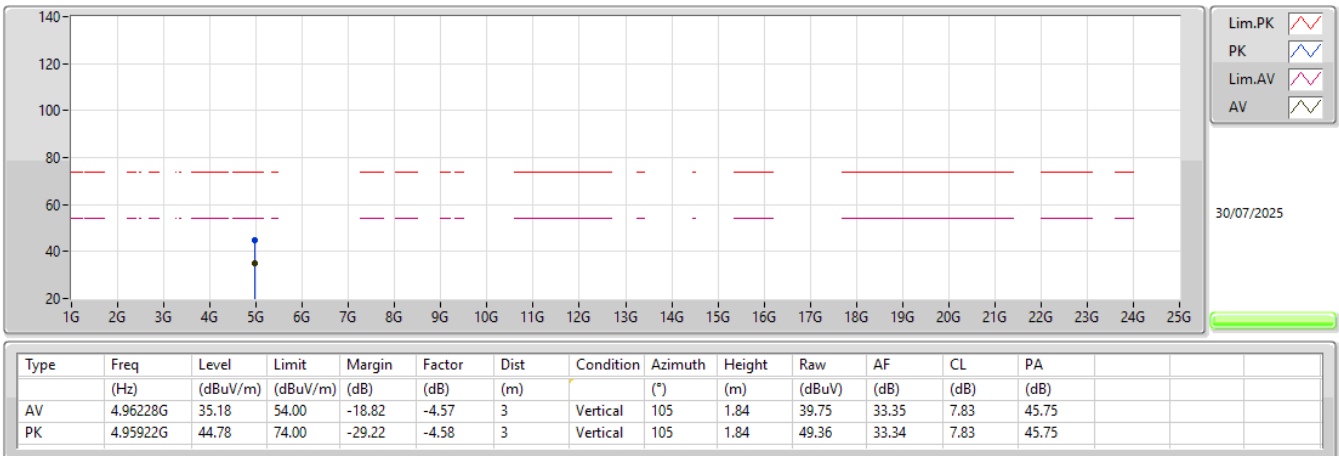
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

