

FCC Radio Test Report

FCC ID : 2AVVV-A1
Equipment : 2x2x2 Indoor Wi-Fi 7 Access Point
Brand Name : Meter
Model Name : A1
Applicant : Meter, Inc.
548 Market St, PMB 22716 San Francisco CA 94104 USA
Manufacturer : Meter Inc.
548 Market St, PMB 22716 San Francisco CA 94104 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Sep. 05, 2025, and testing was started from Sep. 11, 2025 and completed on Sep. 18, 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.)



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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

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	Antenna Type	Connector	Support	Radio
1	GrandTek	BT	PIFA	I-Pex	BT	BT
2	GrandTek	2G-1	PIFA	I-Pex	2.4G	Radio 1
3	GrandTek	2G-2	PIFA	I-Pex	2.4G	Radio 1
4	GrandTek	5G-1	PIFA	I-Pex	5G	Radio 2
5	GrandTek	5G-2	Dipole	I-Pex	5G	Radio 2
6	GrandTek	6G-1	PIFA	I-Pex	6G	Radio 3
7	GrandTek	6G-2	Dipole	I-Pex	6G	Radio 3
8	GrandTek	TB1	PIFA	I-Pex	RX Only	Scan Radio
9	GrandTek	TB2	PIFA	I-Pex	RX Only	Scan Radio

Ant.	Port	Gain (dBi)			
		2.4G	5G	6G	BT
1	1	-	-	-	4.4
2	1	2.9	-	-	-
3	2	4.7	-	-	-
4	1	-	5.3	-	-
5	2	-	4.9	-	-
6	1	-	-	4.9	-
7	2	-	-	5.3	-
8	1	3.9	6.1	6.4	-
9	2	4.8	5.9	7.0	-

Note 1: The EUT has nine antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) **(Radio 1)**

Ant. 2 (port 1), Ant. 3 (port 2) could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax (2RX) **(Scan Radio)**

Ant. 8 (port 1), Ant. 9 (port 2) could transmit/receive simultaneously.

For 5GHz function:

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

Ant. 4 (port 1), Ant. 5 (port 2) could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax mode (2RX) **(Scan Radio)**

Ant. 8 (port 1), Ant. 9 (port 2) could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 a/ax/be mode (2TX/2RX) **(Radio 3)**

Ant. 6 (port 1), Ant. 7 (port 2) could transmit/receive simultaneously.

For IEEE 802.11 a/ax mode (2RX) **(Scan Radio)**

Ant. 8 (port 1), Ant. 9 (port 2) could transmit/receive simultaneously.

For BT function:

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

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

Note 2: 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	
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)	0.854	0.69	2.138m	500
BT-LE(2Mbps)	0.578	2.38	1.08m	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

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	Daniel Lin	23.7~24.9℃ / 51~55%	12/Sep/2025~18/Sep/2025
RF Conducted	TH01-HY	Sonic Li	21.5~22.4℃ / 52~64%	11/Sep/2025~17/Sep/2025
Radiated	03CH02-HY	Daniel Lin	23.1~24.8℃ / 51~57%	13/Sep/2025~16/Sep/2025
☒ 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.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated (Co-Location)	03CH09-HY	Lego Lin	22.2~23.9℃ / 51~52%	17/Sep/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				

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	nRF_DTM V3.1.1
------------------------------	----------------

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	8
2440MHz	8
2480MHz	8
BT-LE(2Mbps)	-
2402MHz	8
2440MHz	8
2480MHz	8

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
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4G + WLAN 5G + WLAN 6G
Refer to Sporton Test Report No.: FA590410 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

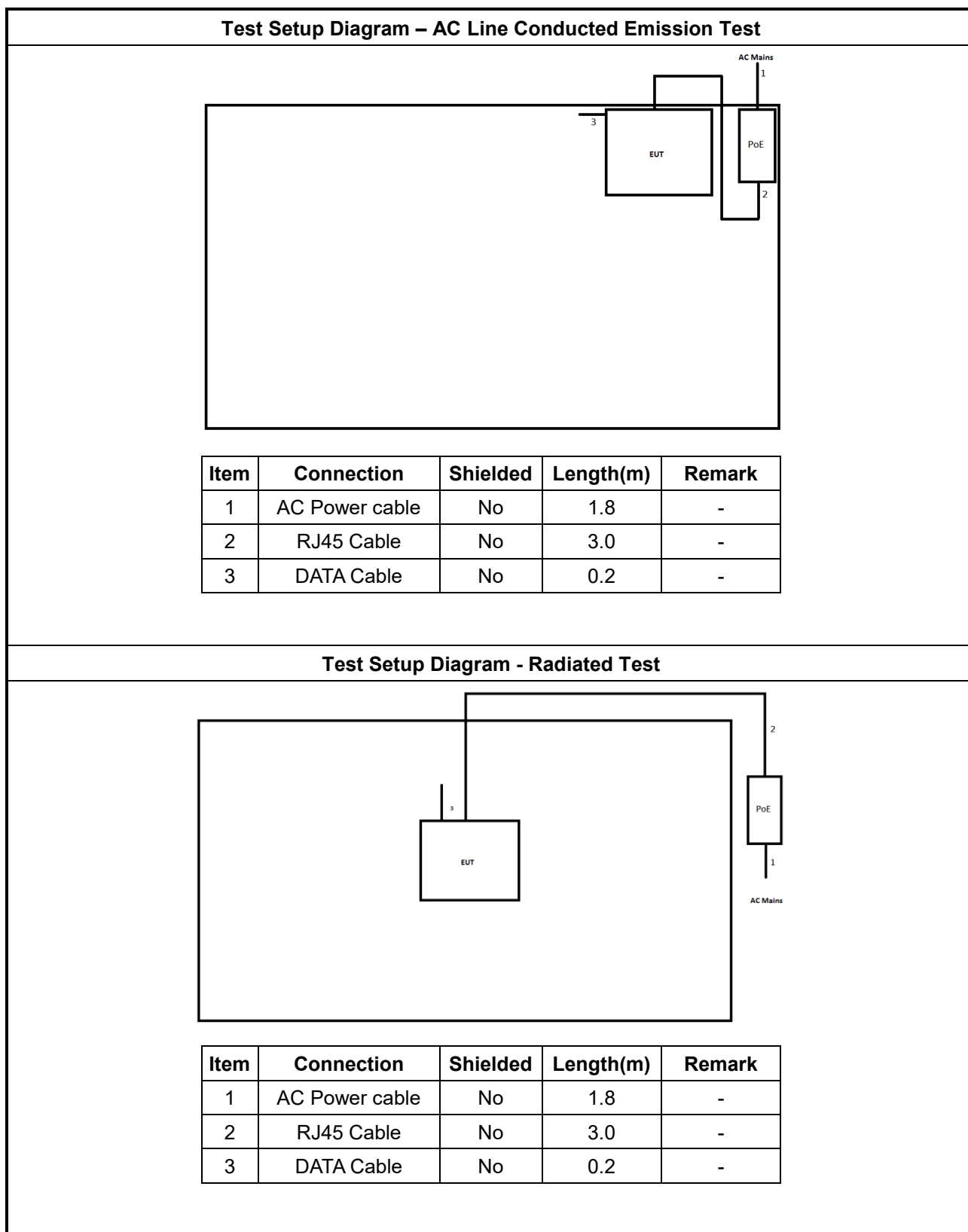
2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 Cable	Power sync	CAT-6E-03	-	-
2	PoE	EnGenius	EPA5006GP	-	Provided by Customer
3	AC Power Cable	Atake	SCB-3PM01	-	-
4	DATA Cable	Sporton	Sporton	-	-

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 Cable	Power sync	CAT-6E-03	-	-
2	DATA Cable	Sporton	Sporton	-	-
3	PoE	EnGenius	EPA5006GP	-	Remote Provided by Customer
4	AC Power Cable	Atake	SCB-3PM01	-	Remote

2.4 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

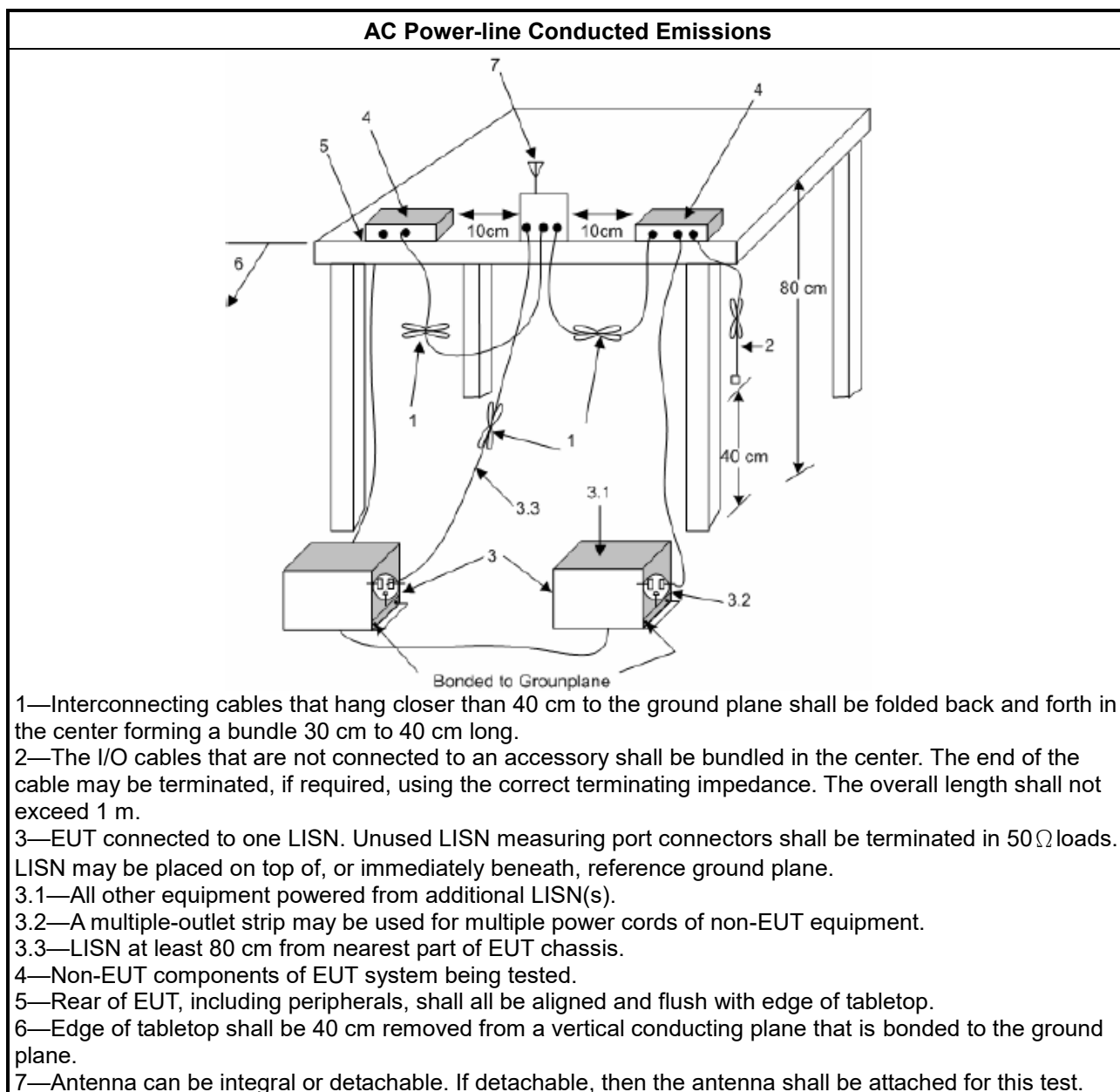
Test Method
▪ Refer as ANSI C63.10, clause 6.2 foray power-line conducted emissions.

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.

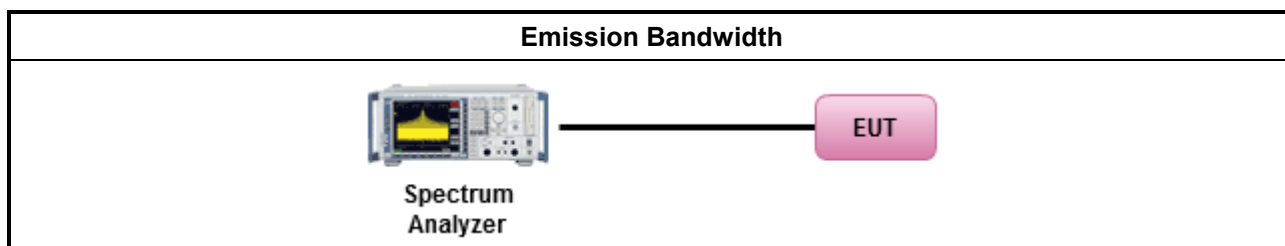
3.2.2 Measuring Instruments

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.	

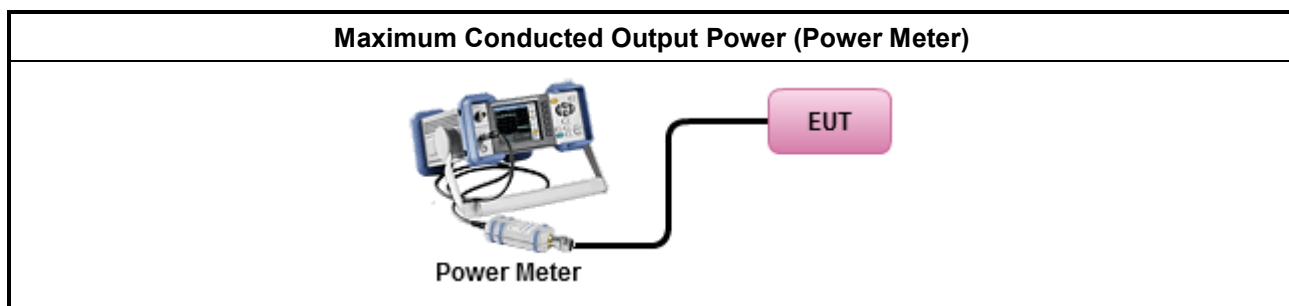
3.3.2 Measuring Instruments

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

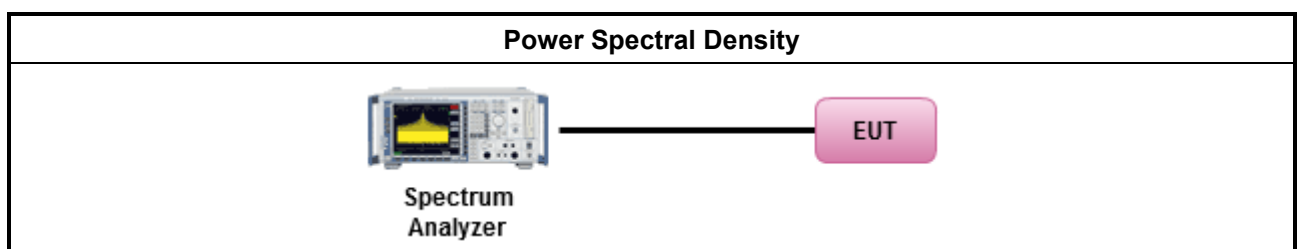
3.4.2 Measuring Instruments

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.	

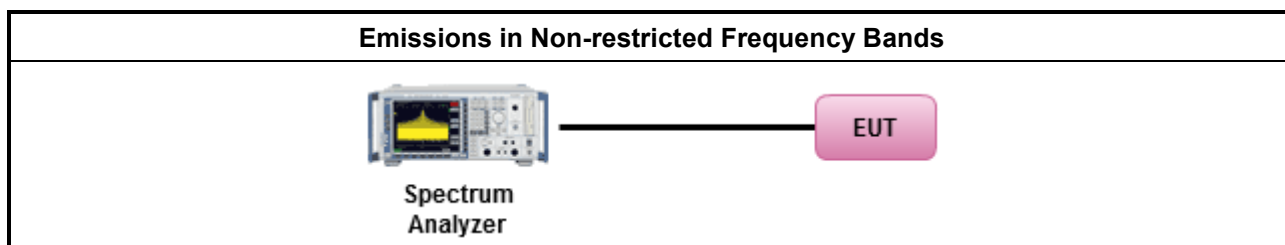
3.5.2 Measuring Instruments

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

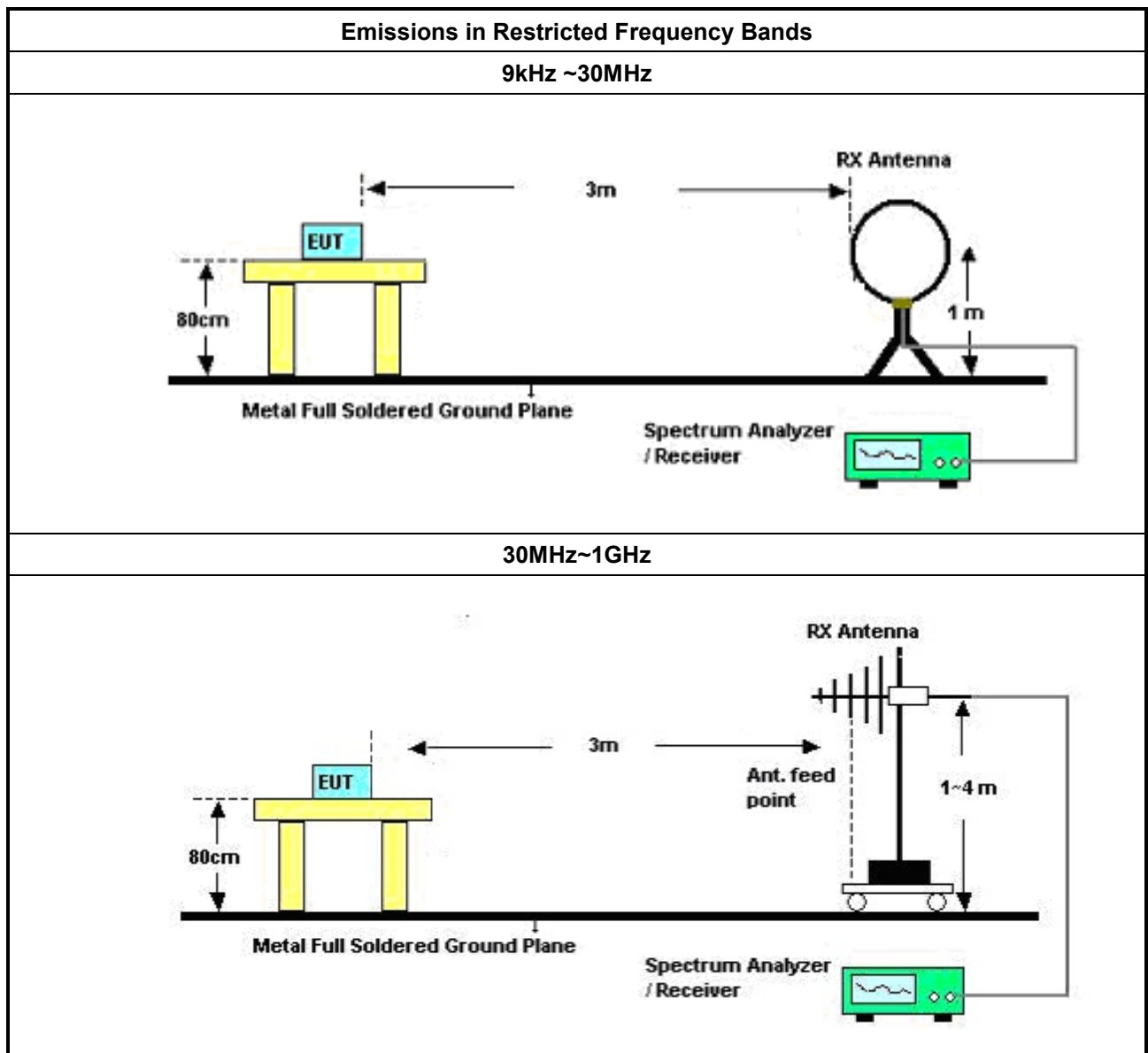
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

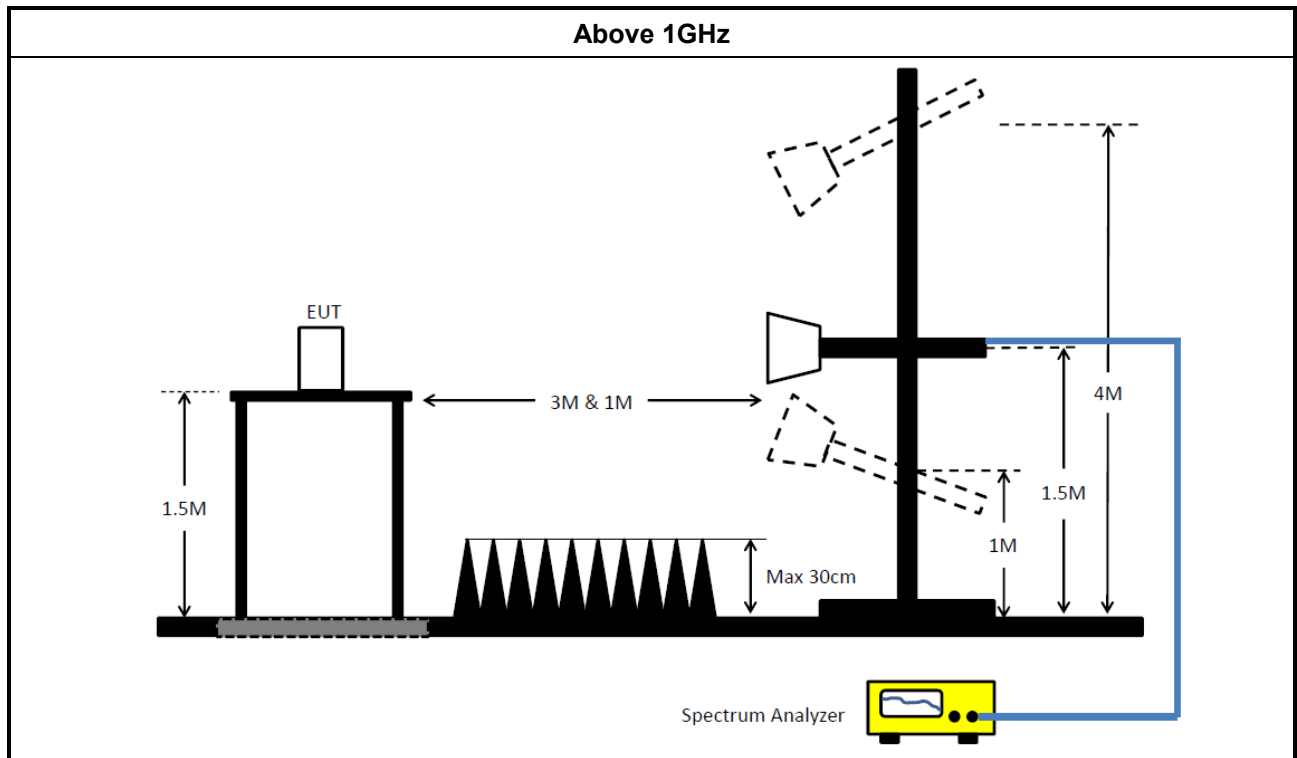
3.6.4 Measurement Results Calculation

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 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	V5.11.27	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	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	06/Mar/2025	05/Mar/2026
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	01/Nov/2024	31/Oct/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	20/Dec/2024	19/Dec/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	07/Oct/2024	06/Oct/2025
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	17/Jul/2025	16/Jul/2026
Amplifier	EM	EM18G40GA	060874	18GHz~40GHz	18/Apr/2025	17/Apr/2026
SENSE-EMI	Sporton	V5.11.10	NA	NA	NA	NA

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	14/May/2025	13/May/2026
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101750	10Hz~44GHz	10/Apr/2025	09/Apr/2026
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
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	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
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	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	26/Apr/2025	25/Apr/2026
SENSE-15247-FS	Sporton	V5.11.23	N/A	N/A	N/A	N/A



Conducted Emissions at Powerline

Appendix A

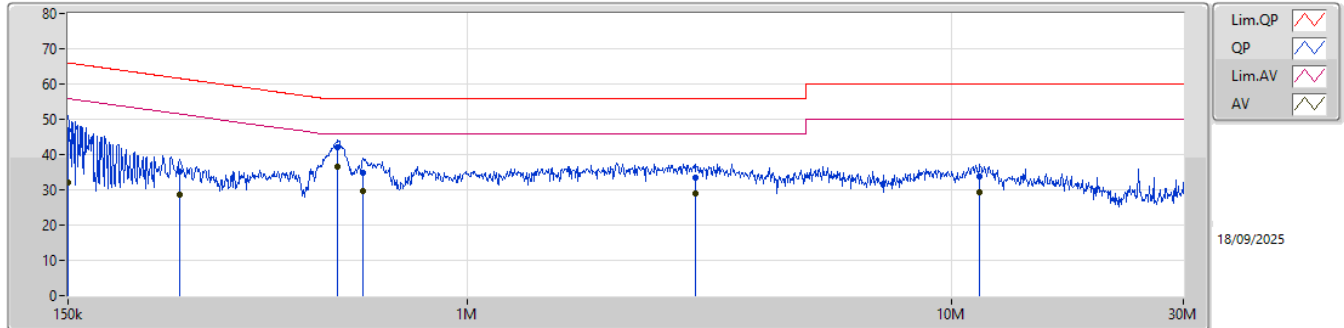
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	540.27k	36.72	46.00	-9.28	Line

Result

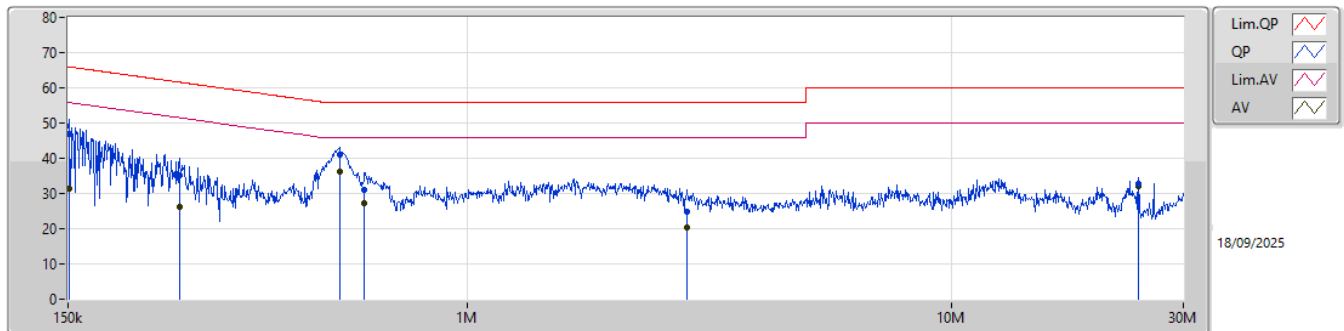
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	46.82	66.00	-19.18	Line
Mode 1	Pass	AV	150k	32.20	56.00	-23.80	Line
Mode 1	Pass	QP	255.08k	35.18	61.58	-26.40	Line
Mode 1	Pass	AV	255.08k	28.64	51.58	-22.94	Line
Mode 1	Pass	QP	540.27k	42.05	56.00	-13.95	Line
Mode 1	Pass	AV	540.27k	36.72	46.00	-9.28	Line
Mode 1	Pass	QP	609.01k	34.88	56.00	-21.12	Line
Mode 1	Pass	AV	609.01k	29.75	46.00	-16.25	Line
Mode 1	Pass	QP	2.96M	33.34	56.00	-22.66	Line
Mode 1	Pass	AV	2.96M	29.06	46.00	-16.94	Line
Mode 1	Pass	QP	11.41M	33.73	60.00	-26.27	Line
Mode 1	Pass	AV	11.41M	29.45	50.00	-20.55	Line
Mode 1	Pass	QP	150.6k	46.85	65.96	-19.11	Neutral
Mode 1	Pass	AV	150.6k	31.35	55.96	-24.61	Neutral
Mode 1	Pass	QP	255.08k	35.10	61.58	-26.48	Neutral
Mode 1	Pass	AV	255.08k	26.37	51.58	-25.21	Neutral
Mode 1	Pass	QP	544.6k	41.01	56.00	-14.99	Neutral
Mode 1	Pass	AV	544.6k	36.07	46.00	-9.93	Neutral
Mode 1	Pass	QP	613.89k	31.17	56.00	-24.83	Neutral
Mode 1	Pass	AV	613.89k	27.28	46.00	-18.72	Neutral
Mode 1	Pass	QP	2.84M	24.81	56.00	-31.19	Neutral
Mode 1	Pass	AV	2.84M	20.23	46.00	-25.77	Neutral
Mode 1	Pass	QP	24.26M	32.93	60.00	-27.07	Neutral
Mode 1	Pass	AV	24.26M	32.03	50.00	-17.97	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	46.82	66.00	-19.18	19.61	Line	-	27.21	9.63	0.01	9.97
AV	150k	32.20	56.00	-23.80	19.61	Line	-	12.59	9.63	0.01	9.97
QP	255.08k	35.18	61.58	-26.40	19.62	Line	-	15.56	9.63	0.02	9.97
AV	255.08k	28.64	51.58	-22.94	19.62	Line	-	9.02	9.63	0.02	9.97
QP	540.27k	42.05	56.00	-13.95	19.65	Line	-	22.40	9.63	0.04	9.98
AV	540.27k	36.72	46.00	-9.28	19.65	Line	-	17.07	9.63	0.04	9.98
QP	609.01k	34.88	56.00	-21.12	19.65	Line	-	15.23	9.63	0.04	9.98
AV	609.01k	29.75	46.00	-16.25	19.65	Line	-	10.10	9.63	0.04	9.98
QP	2.96M	33.34	56.00	-22.66	19.69	Line	-	13.65	9.67	0.04	9.98
AV	2.96M	29.06	46.00	-16.94	19.69	Line	-	9.37	9.67	0.04	9.98
QP	11.41M	33.73	60.00	-26.27	20.01	Line	-	13.72	9.78	0.25	9.98
AV	11.41M	29.45	50.00	-20.55	20.01	Line	-	9.44	9.78	0.25	9.98

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	150.6k	46.85	65.96	-19.11	19.71	Neutral	-	27.14	9.73	0.01	9.97
AV	150.6k	31.35	55.96	-24.61	19.71	Neutral	-	11.64	9.73	0.01	9.97
QP	255.08k	35.10	61.58	-26.48	19.71	Neutral	-	15.39	9.72	0.02	9.97
AV	255.08k	26.37	51.58	-25.21	19.71	Neutral	-	6.66	9.72	0.02	9.97
QP	544.6k	41.01	56.00	-14.99	19.73	Neutral	-	21.28	9.71	0.04	9.98
AV	544.6k	36.07	46.00	-9.93	19.73	Neutral	-	16.34	9.71	0.04	9.98
QP	613.89k	31.17	56.00	-24.83	19.73	Neutral	-	11.44	9.71	0.04	9.98
AV	613.89k	27.28	46.00	-18.72	19.73	Neutral	-	7.55	9.71	0.04	9.98
QP	2.84M	24.81	56.00	-31.19	19.79	Neutral	-	5.02	9.77	0.04	9.98
AV	2.84M	20.23	46.00	-25.77	19.79	Neutral	-	0.44	9.77	0.04	9.98
QP	24.26M	32.93	60.00	-27.07	20.47	Neutral	-	12.46	10.16	0.32	9.99
AV	24.26M	32.03	50.00	-17.97	20.47	Neutral	-	11.56	10.16	0.32	9.99



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)	708.75k	1.069M	1M07F1D	675k	1.065M
BT-LE(2Mbps)	1.26M	2.14M	2M14F1D	707.5k	2.108M

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

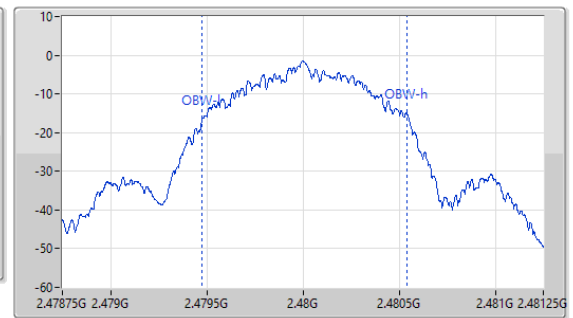
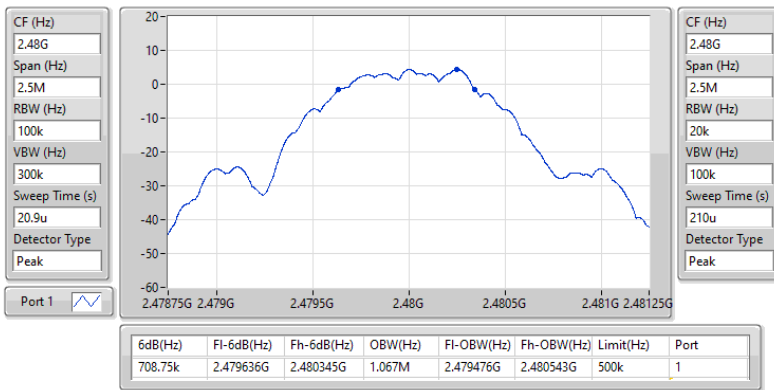
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	675k	1.065M
2440MHz	Pass	500k	686.25k	1.069M
2480MHz	Pass	500k	708.75k	1.067M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.26M	2.116M
2440MHz	Pass	500k	922.5k	2.14M
2480MHz	Pass	500k	707.5k	2.108M

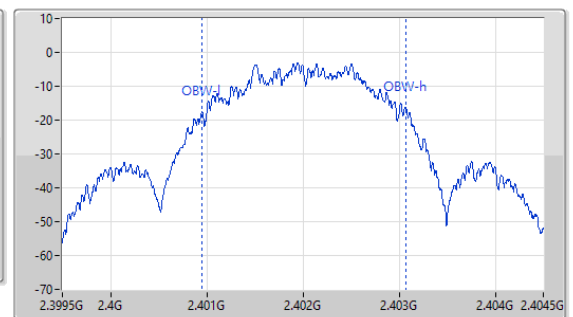
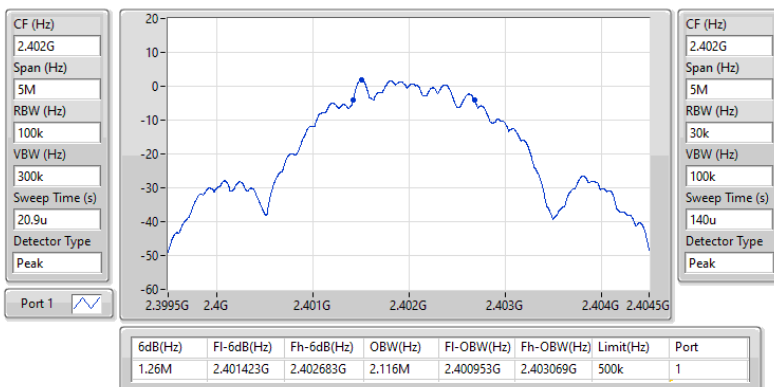
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

17/09/2025


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

17/09/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	6.13	0.00410
BT-LE(2Mbps)	6.06	0.00404

**Result**

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.40	6.13	30.00
2440MHz	Pass	4.40	5.98	30.00
2480MHz	Pass	4.40	5.81	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.40	6.06	30.00
2440MHz	Pass	4.40	5.88	30.00
2480MHz	Pass	4.40	5.69	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)	-11.24
BT-LE(2Mbps)	-13.56

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.40	-11.24	8.00
2440MHz	Pass	4.40	-11.32	8.00
2480MHz	Pass	4.40	-11.45	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.40	-13.56	8.00
2440MHz	Pass	4.40	-14.25	8.00
2480MHz	Pass	4.40	-17.09	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

17/09/2025

CF (Hz)
2.402G

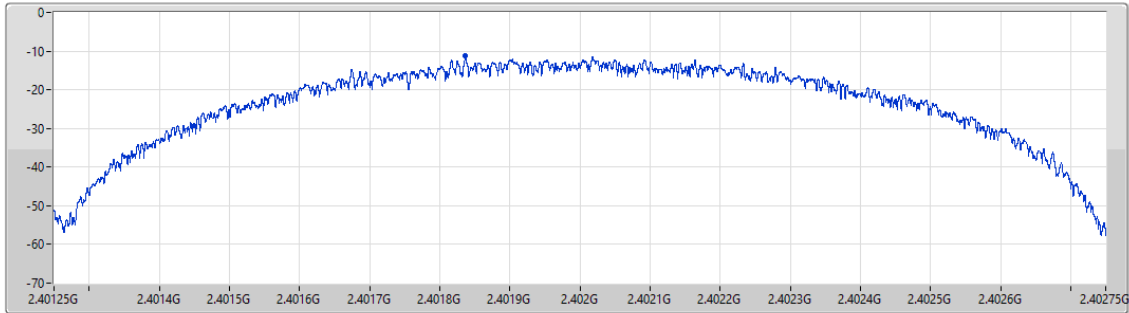
Span (Hz)
1.5M

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
1.4m

Detector Type
Peak



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.24	-11.24	-11.24

2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

17/09/2025

CF (Hz)
2.402G

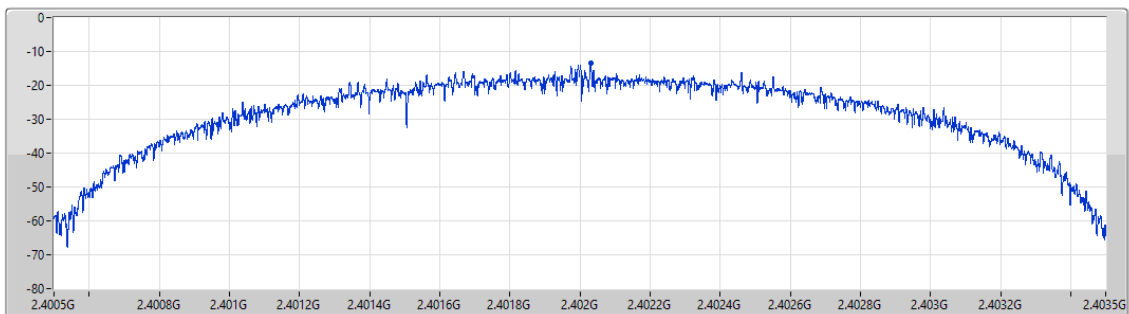
Span (Hz)
3M

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
1.4m

Detector Type
Peak



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.56	-13.56	-13.56

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	2.40217G	4.80	-25.20	2.17085G	-54.71	2.4G	-36.61	2.4G	-37.54	2.50242G	-55.61	21.94048G	-44.91	1
BT-LE(2Mbps)	Pass	2.40184G	5.04	-24.96	1.85243G	-55.68	2.4G	-27.99	2.4G	-26.31	2.50102G	-55.61	21.90392G	-44.83	1

Result

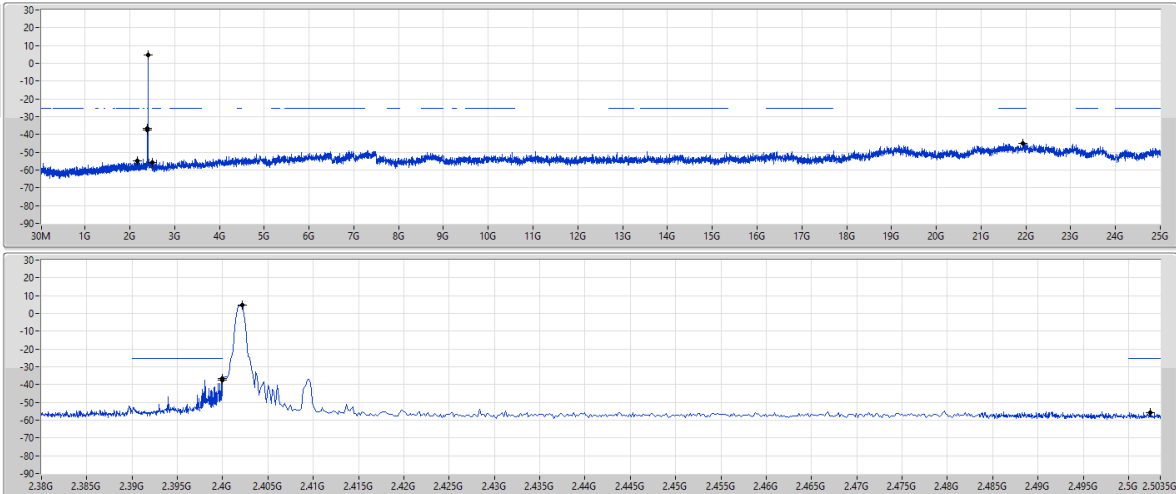
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40217G	4.80	-25.20	2.17085G	-54.71	2.4G	-36.61	2.4G	-37.54	2.50242G	-55.61	21.94048G	-44.91	1
2440MHz	Pass	2.40217G	4.80	-25.20	1.83833G	-55.51	2.3922G	-54.83	2.4G	-56.21	2.50286G	-55.23	21.92079G	-44.64	1
2480MHz	Pass	2.40217G	4.80	-25.20	1.6327G	-54.62	2.3942G	-54.45	2.4G	-57.93	2.50106G	-54.90	21.59178G	-45.33	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	5.04	-24.96	1.85243G	-55.68	2.4G	-27.99	2.4G	-26.31	2.50102G	-55.61	21.90392G	-44.83	1
2440MHz	Pass	2.40184G	5.04	-24.96	1.93703G	-54.95	2.39968G	-54.51	2.4G	-57.39	2.50018G	-55.42	21.55804G	-44.31	1
2480MHz	Pass	2.40184G	5.04	-24.96	2.1356G	-55.07	2.39972G	-55.52	2.4G	-57.45	2.50078G	-56.16	21.66489G	-44.45	1

2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

17/09/2025

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

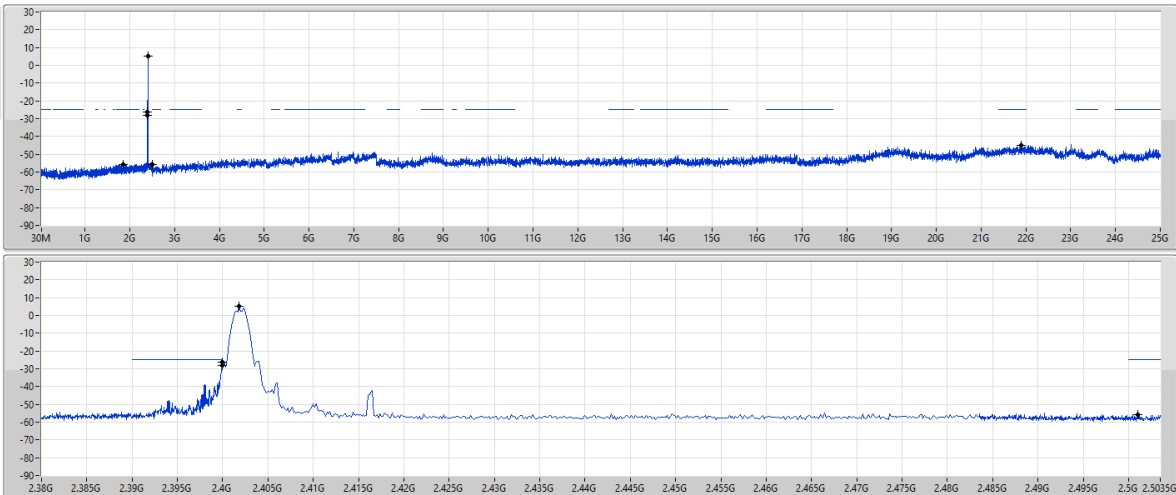
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40217G	4.80	-25.20	2.17085G	-54.71	2.4G	-36.61	2.4G	-37.54	2.50242G	-55.61	21.94048G	-44.91	1

2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

17/09/2025

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
2.40184G	5.04	-24.96	1.85243G	-55.68	2.4G	-27.99	2.4G	-26.31	2.50102G	-55.61	21.90392G	-44.83	1



Summary

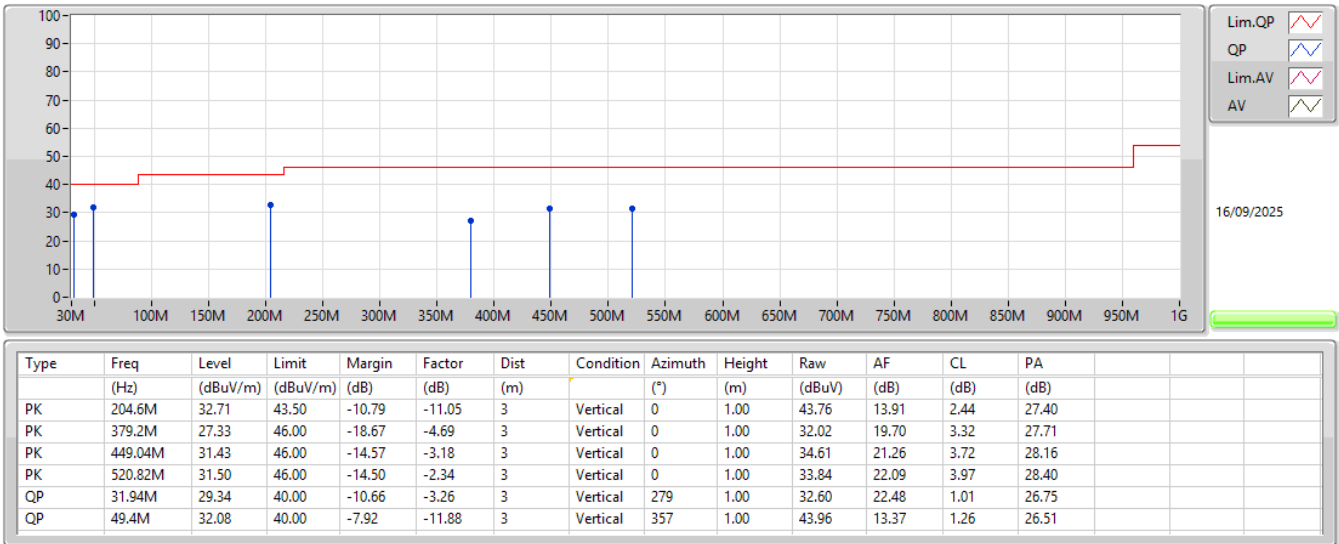
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	QP	49.4M	32.08	40.00	-7.92	3	Vertical	357	1.00

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	204.6M	32.71	43.50	-10.79	3	Vertical	0	1.00
2440MHz_PoE	Pass	PK	379.2M	27.33	46.00	-18.67	3	Vertical	0	1.00
2440MHz_PoE	Pass	PK	449.04M	31.43	46.00	-14.57	3	Vertical	0	1.00
2440MHz_PoE	Pass	PK	520.82M	31.50	46.00	-14.50	3	Vertical	0	1.00
2440MHz_PoE	Pass	QP	31.94M	29.34	40.00	-10.66	3	Vertical	279	1.00
2440MHz_PoE	Pass	QP	49.4M	32.08	40.00	-7.92	3	Vertical	357	1.00
2440MHz_PoE	Pass	PK	31.94M	31.33	40.00	-8.67	3	Horizontal	360	1.00
2440MHz_PoE	Pass	PK	64.92M	29.91	40.00	-10.09	3	Horizontal	360	1.00
2440MHz_PoE	Pass	PK	204.6M	32.86	43.50	-10.64	3	Horizontal	360	1.00
2440MHz_PoE	Pass	PK	375.32M	31.06	46.00	-14.94	3	Horizontal	360	1.00
2440MHz_PoE	Pass	PK	518.88M	27.06	46.00	-18.94	3	Horizontal	360	1.00
2440MHz_PoE	Pass	PK	761.38M	28.77	46.00	-17.23	3	Horizontal	360	1.00

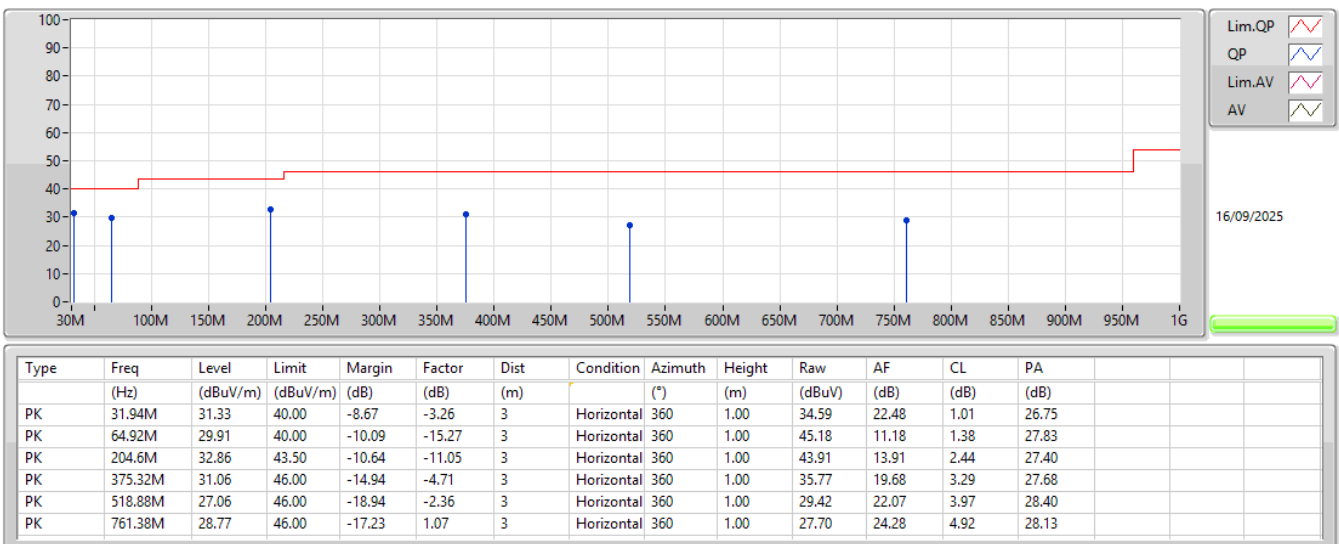
2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_PoE



2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_PoE





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	7.32065G	51.58	54.00	-2.42	3	Horizontal	14	1.58
BT-LE(2Mbps)	Pass	AV	2.4835G	51.64	54.00	-2.36	3	Horizontal	306	2.88

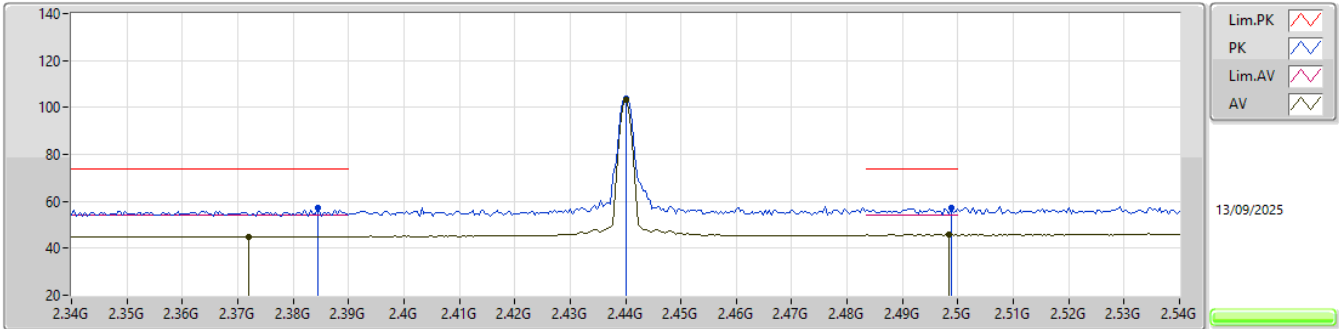
Result

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	2.3898G	46.13	54.00	-7.87	3	Horizontal	44	2.74
2402MHz	Pass	AV	2.402G	102.58	Inf	-Inf	3	Horizontal	44	2.74
2402MHz	Pass	PK	2.3872G	57.38	74.00	-16.62	3	Horizontal	44	2.74
2402MHz	Pass	PK	2.4018G	103.59	Inf	-Inf	3	Horizontal	44	2.74
2402MHz	Pass	AV	4.80374G	33.38	54.00	-20.62	3	Vertical	17	1.02
2402MHz	Pass	AV	12.00888G	47.42	54.00	-6.58	3	Vertical	46	2.86
2402MHz	Pass	PK	4.80418G	43.60	74.00	-30.40	3	Vertical	17	1.02
2402MHz	Pass	PK	12.00886G	56.03	74.00	-17.97	3	Vertical	46	2.86
2402MHz	Pass	AV	4.80402G	37.06	54.00	-16.94	3	Horizontal	328	1.54
2402MHz	Pass	AV	12.00894G	47.39	54.00	-6.61	3	Horizontal	73	1.65
2402MHz	Pass	PK	4.80438G	44.84	74.00	-29.16	3	Horizontal	328	1.54
2402MHz	Pass	PK	12.0087G	54.53	74.00	-19.47	3	Horizontal	73	1.65
2440MHz	Pass	AV	2.372G	45.02	54.00	-8.98	3	Horizontal	39	2.09
2440MHz	Pass	AV	2.44G	103.05	Inf	-Inf	3	Horizontal	39	2.09
2440MHz	Pass	AV	2.4984G	45.83	54.00	-8.17	3	Horizontal	39	2.09
2440MHz	Pass	PK	2.3844G	57.40	74.00	-16.60	3	Horizontal	39	2.09
2440MHz	Pass	PK	2.44G	104.04	Inf	-Inf	3	Horizontal	39	2.09
2440MHz	Pass	PK	2.4988G	57.04	74.00	-16.96	3	Horizontal	39	2.09
2440MHz	Pass	AV	4.88005G	31.95	54.00	-22.05	3	Vertical	9	1.50
2440MHz	Pass	AV	7.32068G	47.81	54.00	-6.19	3	Vertical	159	1.50
2440MHz	Pass	AV	12.20115G	49.74	54.00	-4.26	3	Vertical	48	1.32
2440MHz	Pass	PK	4.88027G	42.51	74.00	-31.49	3	Vertical	9	1.50
2440MHz	Pass	PK	7.32079G	55.28	74.00	-18.72	3	Vertical	159	1.50
2440MHz	Pass	PK	12.19884G	58.11	74.00	-15.89	3	Vertical	48	1.32
2440MHz	Pass	AV	4.87963G	31.67	54.00	-22.33	3	Horizontal	326	1.50
2440MHz	Pass	AV	7.32065G	51.58	54.00	-2.42	3	Horizontal	14	1.58
2440MHz	Pass	AV	12.20115G	48.95	54.00	-5.05	3	Horizontal	356	2.85
2440MHz	Pass	PK	4.8795G	41.90	74.00	-32.10	3	Horizontal	326	1.50
2440MHz	Pass	PK	7.31916G	58.36	74.00	-15.64	3	Horizontal	14	1.58
2440MHz	Pass	PK	12.19886G	57.60	74.00	-16.40	3	Horizontal	356	2.85
2480MHz	Pass	AV	2.48G	104.63	Inf	-Inf	3	Horizontal	310	2.87
2480MHz	Pass	AV	2.4835G	48.80	54.00	-5.20	3	Horizontal	310	2.87
2480MHz	Pass	PK	2.4798G	105.64	Inf	-Inf	3	Horizontal	310	2.87
2480MHz	Pass	PK	2.4835G	65.97	74.00	-8.03	3	Horizontal	310	2.87
2480MHz	Pass	AV	4.95988G	32.53	54.00	-21.47	3	Vertical	352	1.40
2480MHz	Pass	AV	7.44059G	50.25	54.00	-3.75	3	Vertical	19	2.63
2480MHz	Pass	AV	12.39885G	46.99	54.00	-7.01	3	Vertical	342	1.38
2480MHz	Pass	PK	4.96037G	42.88	74.00	-31.12	3	Vertical	352	1.40
2480MHz	Pass	PK	7.43926G	57.14	74.00	-16.86	3	Vertical	19	2.63
2480MHz	Pass	PK	12.39879G	56.03	74.00	-17.97	3	Vertical	342	1.38
2480MHz	Pass	AV	4.96032G	31.44	54.00	-22.56	3	Horizontal	324	1.32
2480MHz	Pass	AV	7.43939G	46.76	54.00	-7.24	3	Horizontal	137	1.50
2480MHz	Pass	AV	12.39883G	49.19	54.00	-4.81	3	Horizontal	354	1.58
2480MHz	Pass	PK	4.96051G	42.38	74.00	-31.62	3	Horizontal	324	1.32
2480MHz	Pass	PK	7.43918G	54.31	74.00	-19.69	3	Horizontal	137	1.50
2480MHz	Pass	PK	12.39882G	57.65	74.00	-16.35	3	Horizontal	354	1.58
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3878G	45.60	54.00	-8.40	3	Horizontal	50	2.74
2402MHz	Pass	AV	2.402G	101.47	Inf	-Inf	3	Horizontal	50	2.74
2402MHz	Pass	PK	2.354G	56.62	74.00	-17.38	3	Horizontal	50	2.74
2402MHz	Pass	PK	2.4016G	104.10	Inf	-Inf	3	Horizontal	50	2.74
2402MHz	Pass	AV	4.80484G	33.00	54.00	-21.00	3	Vertical	185	1.62
2402MHz	Pass	AV	12.0124G	45.83	54.00	-8.17	3	Vertical	351	1.30
2402MHz	Pass	PK	4.80312G	43.18	74.00	-30.82	3	Vertical	185	1.62
2402MHz	Pass	PK	12.0126G	54.25	74.00	-19.75	3	Vertical	351	1.30
2402MHz	Pass	AV	4.80312G	36.43	54.00	-17.57	3	Horizontal	326	1.54
2402MHz	Pass	AV	12.00768G	46.78	54.00	-7.22	3	Horizontal	239	1.68
2402MHz	Pass	PK	4.80296G	45.67	74.00	-28.33	3	Horizontal	326	1.54
2402MHz	Pass	PK	12.01228G	55.50	74.00	-18.50	3	Horizontal	239	1.68
2440MHz	Pass	AV	2.3508G	45.38	54.00	-8.62	3	Horizontal	50	2.63

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2440MHz	Pass	AV	2.44G	101.44	Inf	-Inf	3	Horizontal	50	2.63
2440MHz	Pass	AV	2.4992G	46.21	54.00	-7.79	3	Horizontal	50	2.63
2440MHz	Pass	PK	2.3736G	56.48	74.00	-17.52	3	Horizontal	50	2.63
2440MHz	Pass	PK	2.4396G	104.13	Inf	-Inf	3	Horizontal	50	2.63
2440MHz	Pass	PK	2.4932G	57.55	74.00	-16.45	3	Horizontal	50	2.63
2440MHz	Pass	AV	4.88104G	32.25	54.00	-21.75	3	Vertical	6	1.48
2440MHz	Pass	AV	7.32122G	47.30	54.00	-6.70	3	Vertical	157	1.50
2440MHz	Pass	AV	12.20232G	48.82	54.00	-5.18	3	Vertical	48	1.33
2440MHz	Pass	PK	4.87882G	42.63	74.00	-31.37	3	Vertical	6	1.48
2440MHz	Pass	PK	7.32162G	55.04	74.00	-18.96	3	Vertical	157	1.50
2440MHz	Pass	PK	12.19742G	57.30	74.00	-16.70	3	Vertical	48	1.33
2440MHz	Pass	AV	4.879G	31.69	54.00	-22.31	3	Horizontal	323	1.50
2440MHz	Pass	AV	7.32124G	50.82	54.00	-3.18	3	Horizontal	13	1.54
2440MHz	Pass	AV	12.19766G	48.16	54.00	-5.84	3	Horizontal	356	2.85
2440MHz	Pass	PK	4.87868G	43.37	74.00	-30.63	3	Horizontal	323	1.50
2440MHz	Pass	PK	7.3215G	58.14	74.00	-15.86	3	Horizontal	13	1.54
2440MHz	Pass	PK	12.1975G	56.60	74.00	-17.40	3	Horizontal	356	2.85
2480MHz	Pass	AV	2.48G	102.78	Inf	-Inf	3	Horizontal	306	2.88
2480MHz	Pass	AV	2.4835G	51.64	54.00	-2.36	3	Horizontal	306	2.88
2480MHz	Pass	PK	2.4796G	105.46	Inf	-Inf	3	Horizontal	306	2.88
2480MHz	Pass	PK	2.4835G	66.98	74.00	-7.02	3	Horizontal	306	2.88
2480MHz	Pass	AV	4.95899G	32.51	54.00	-21.49	3	Vertical	353	1.39
2480MHz	Pass	AV	7.44125G	49.27	54.00	-4.73	3	Vertical	19	2.63
2480MHz	Pass	AV	12.39768G	46.09	54.00	-7.91	3	Vertical	342	1.38
2480MHz	Pass	PK	4.96004G	43.35	74.00	-30.65	3	Vertical	353	1.39
2480MHz	Pass	PK	7.44148G	57.02	74.00	-16.98	3	Vertical	19	2.63
2480MHz	Pass	PK	12.39752G	55.46	74.00	-18.54	3	Vertical	342	1.38
2480MHz	Pass	AV	4.95911G	31.31	54.00	-22.69	3	Horizontal	353	1.53
2480MHz	Pass	AV	7.43881G	46.41	54.00	-7.59	3	Horizontal	137	1.61
2480MHz	Pass	AV	12.39772G	48.15	54.00	-5.85	3	Horizontal	353	1.54
2480MHz	Pass	PK	4.95906G	43.51	74.00	-30.49	3	Horizontal	353	1.53
2480MHz	Pass	PK	7.43846G	54.08	74.00	-19.92	3	Horizontal	137	1.61
2480MHz	Pass	PK	12.39766G	56.82	74.00	-17.18	3	Horizontal	353	1.54

2.4-2.4835GHz_BT-LE(1Mbps)

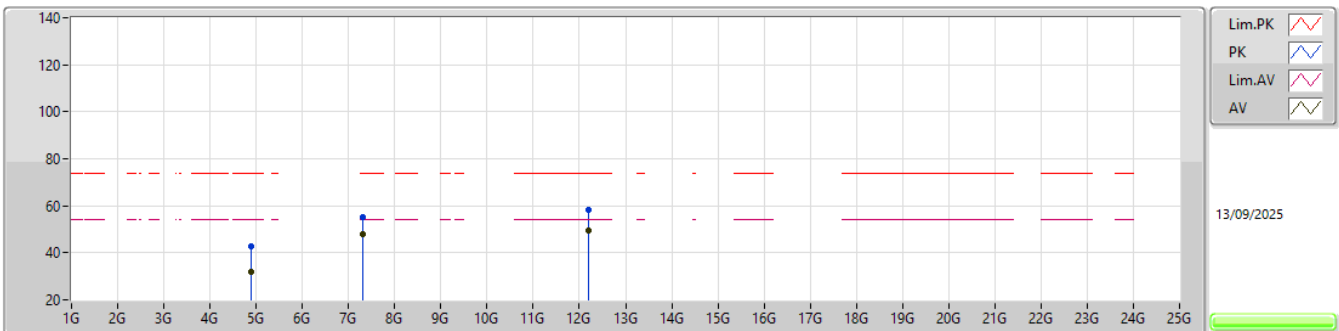
2440MHz_TX



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	2.372G	45.02	54.00	-8.98	31.43	3	Horizontal	39	2.09	13.59	27.20	4.23	-
AV	2.44G	103.05	Inf	-Inf	31.88	3	Horizontal	39	2.09	71.17	27.60	4.28	-
AV	2.4984G	45.83	54.00	-8.17	32.21	3	Horizontal	39	2.09	13.62	27.90	4.31	-
PK	2.3844G	57.40	74.00	-16.60	31.48	3	Horizontal	39	2.09	25.92	27.24	4.24	-
PK	2.44G	104.04	Inf	-Inf	31.88	3	Horizontal	39	2.09	72.16	27.60	4.28	-
PK	2.4988G	57.04	74.00	-16.96	32.21	3	Horizontal	39	2.09	24.83	27.90	4.31	-

2.4-2.4835GHz_BT-LE(1Mbps)

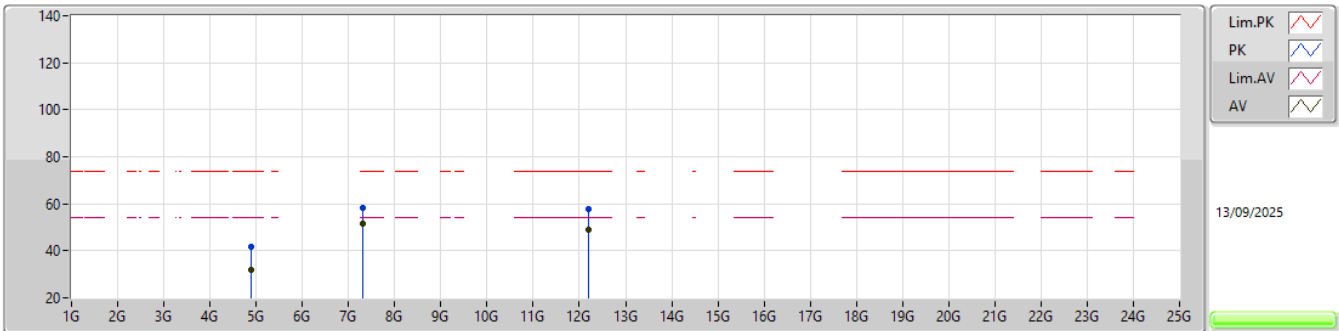
2440MHz_TX



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	4.88005G	31.95	54.00	-22.05	3.92	3	Vertical	9	1.50	28.03	32.62	6.36	35.06
AV	7.32068G	47.81	54.00	-6.19	9.28	3	Vertical	159	1.50	38.53	36.72	7.77	35.21
AV	12.20115G	49.74	54.00	-4.26	15.16	3	Vertical	48	1.32	34.58	39.20	9.79	33.83
PK	4.88027G	42.51	74.00	-31.49	3.92	3	Vertical	9	1.50	38.59	32.62	6.36	35.06
PK	7.32079G	55.28	74.00	-18.72	9.28	3	Vertical	159	1.50	46.00	36.72	7.77	35.21
PK	12.19884G	58.11	74.00	-15.89	15.16	3	Vertical	48	1.32	42.95	39.20	9.79	33.83

2.4-2.4835GHz_BT-LE(1Mbps)

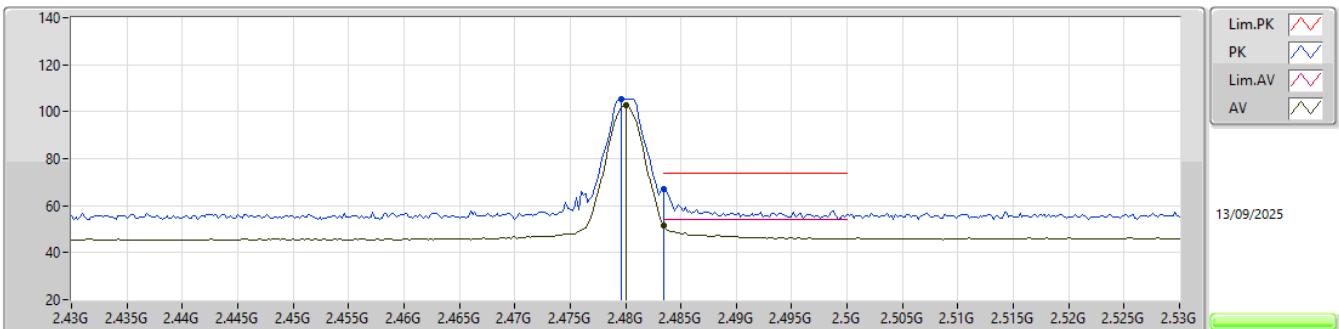
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.87963G	31.67	54.00	-22.33	3.92	3	Horizontal	326	1.50	27.75	32.62	6.36	35.06
AV	7.32065G	51.58	54.00	-2.42	9.28	3	Horizontal	14	1.58	42.30	36.72	7.77	35.21
AV	12.20115G	48.95	54.00	-5.05	15.16	3	Horizontal	356	2.85	33.79	39.20	9.79	33.83
PK	4.8795G	41.90	74.00	-32.10	3.92	3	Horizontal	326	1.50	37.98	32.62	6.36	35.06
PK	7.31916G	58.36	74.00	-15.64	9.28	3	Horizontal	14	1.58	49.08	36.72	7.77	35.21
PK	12.19886G	57.60	74.00	-16.40	15.16	3	Horizontal	356	2.85	42.44	39.20	9.79	33.83

2.4-2.4835GHz_BT-LE(2Mbps)

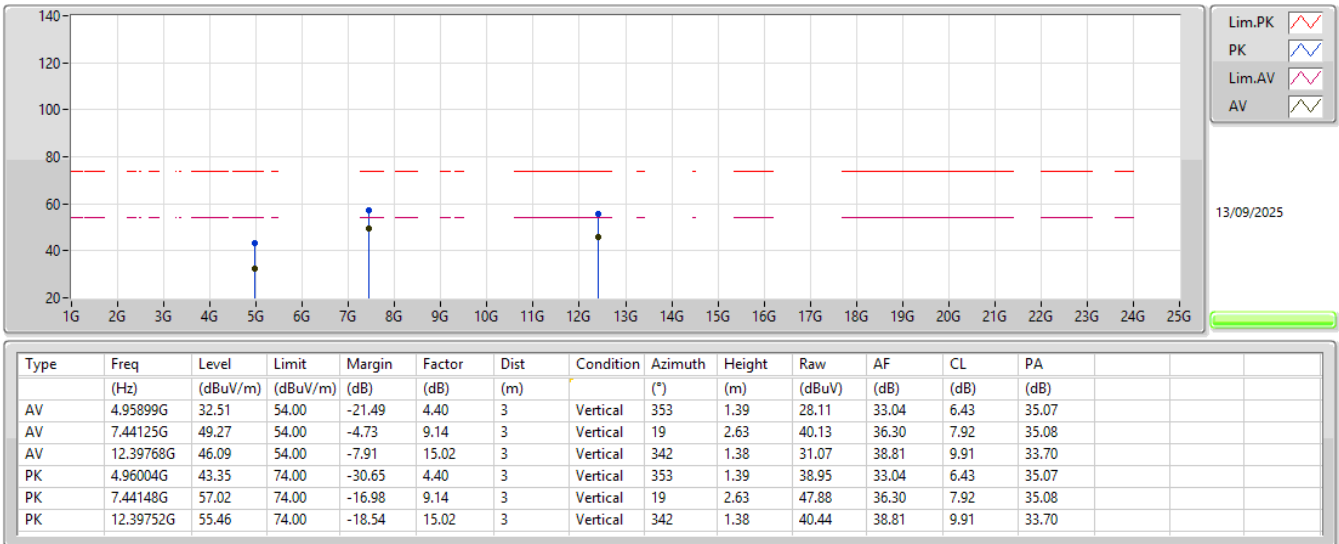
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	102.78	Inf	-Inf	32.10	3	Horizontal	306	2.88	70.68	27.80	4.30	-
AV	2.4835G	51.64	54.00	-2.36	32.14	3	Horizontal	306	2.88	19.50	27.84	4.30	-
PK	2.4796G	105.46	Inf	-Inf	32.10	3	Horizontal	306	2.88	73.36	27.80	4.30	-
PK	2.4835G	66.98	74.00	-7.02	32.14	3	Horizontal	306	2.88	34.84	27.84	4.30	-

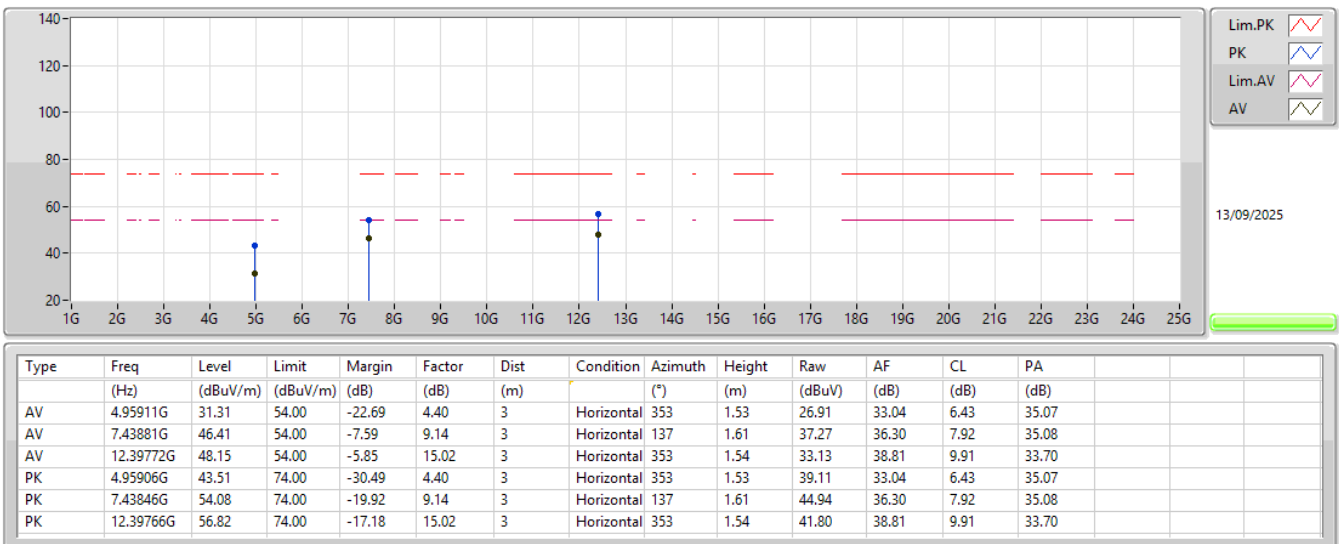
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX





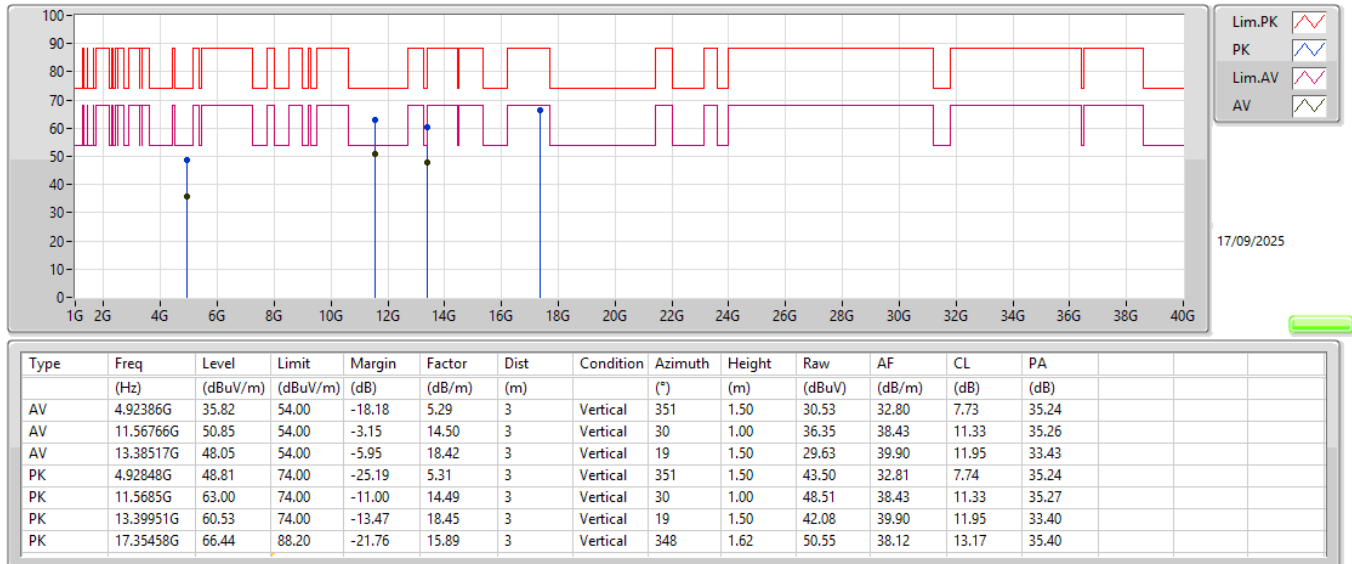
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	11.56766G	50.85	54.00	-3.15	Vertical

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	4.92386G	35.82	54.00	-18.18	3	Vertical	351	1.50
Mode 1	Pass	AV	11.56766G	50.85	54.00	-3.15	3	Vertical	30	1.00
Mode 1	Pass	AV	13.38517G	48.05	54.00	-5.95	3	Vertical	19	1.50
Mode 1	Pass	PK	4.92848G	48.81	74.00	-25.19	3	Vertical	351	1.50
Mode 1	Pass	PK	11.5685G	63.00	74.00	-11.00	3	Vertical	30	1.00
Mode 1	Pass	PK	13.39951G	60.53	74.00	-13.47	3	Vertical	19	1.50
Mode 1	Pass	PK	17.35458G	66.44	88.20	-21.76	3	Vertical	348	1.62
Mode 1	Pass	AV	4.9242G	35.68	54.00	-18.32	3	Horizontal	4	1.96
Mode 1	Pass	AV	11.56034G	48.72	54.00	-5.28	3	Horizontal	52	1.50
Mode 1	Pass	AV	13.39264G	48.09	54.00	-5.91	3	Horizontal	51	1.08
Mode 1	Pass	PK	4.92786G	47.90	74.00	-26.10	3	Horizontal	4	1.96
Mode 1	Pass	PK	11.56106G	61.29	74.00	-12.71	3	Horizontal	52	1.50
Mode 1	Pass	PK	13.38676G	60.33	74.00	-13.67	3	Horizontal	51	1.08
Mode 1	Pass	PK	17.35614G	65.65	88.20	-22.55	3	Horizontal	20	1.00

Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1

