Testing Laboratory 3785

FCC Radio Test Report

FCC ID	:	**TLZ-CU597**
Equipment	:	**IEEE 802.11 a/b/g/n 1T1R WLAN and Bluetooth Low Energy Microcontroller Module**
Brand Name	:	**AzureWave**
Model Name	:	**AW-CU597**
Applicant	:	**AzureWave Technologies, Inc. 8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231**
Manufacturer	:	**AzureWave Technologies (Shanghai) Inc. No. 1355, Jiaxin Road, Malu Twon, Jiading District Shanghai, P.R. China**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Jul. 02, 2025, and testing was started from Jul. 15, 2025 and completed on Jul. 17, 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

Report No.	Version	Description	Issued Date
FR360708-02AL	01	Initial issue of report	Oct. 20, 2025

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	Model Name	Antenna Type	Connector
1	LYNwave	ALX20M-222AAC	PIFA	I-Pex

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	3.7	4.1	3.7

For 2.4GHz function:

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

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

For 5GHz function:

For IEEE 802.11 a/n mode (1TX/1RX)

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

For BT function:

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

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

1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-LE(1Mbps)	0.856	0.68	2.139m	500
BT-LE(2Mbps)	0.565	2.48	1.081m	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	Simon Cheng	22.1~23.6°C / 53~58%	17/Jul/2025
RF Conducted	TH07-HY	Xun Hsieh	23.3~23.9°C / 53~57%	15/Jul/2025
Radiated	03CH03-HY	Ian Liou	19.9~22.8°C / 53~56%	16/Jul/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	

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	Bluetooth RF Test Tool (RtlBluetoothMP.dllVersion:5.3.1.4 RTLBTAPP Version:5.2.2.40)

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	0x44
2440MHz	0x44
2480MHz	0x44
BT-LE(2Mbps)	-
2402MHz	0x44
2440MHz	0x44
2480MHz	0x44

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Fixture Mode

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

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

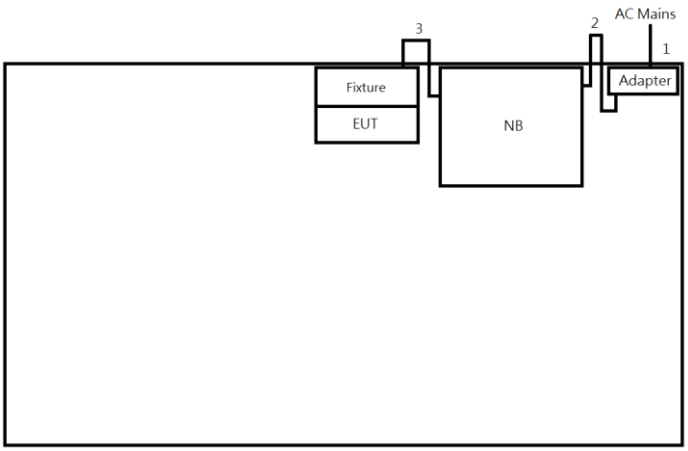
2.3 Support Equipment

Support Equipment – AC Conduction and Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	HP	HSTNN-142C	-	-
2	Adapter for Notebook	HP	HSTNN-LA40	-	-
3	AC Power Cable	Power Sync	TPCMRN0018	-	-
4	USB cable	HP	8121-0868	-	-
5	Fixture	Azurewave	2488-I1	-	Provided by Customer

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	-	-
2	Adapter for Notebook	DELL	HA65NM130	-	-
3	Fixture	Azurewave	2488-I1	-	Provided by Customer

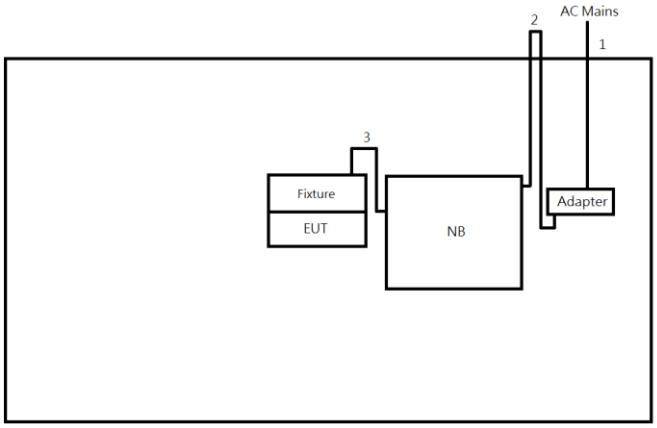
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.8	-
3	USB cable	No	1.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.8	-
3	USB cable	No	1.0	-

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

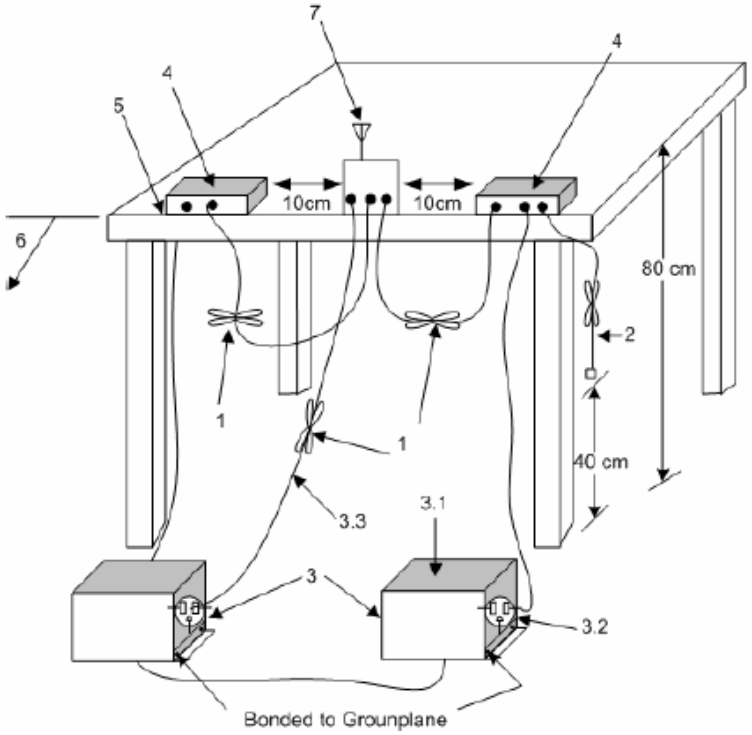
Test Method
▪ Refer as ANSI C63.10, clause 6.2 foray power-line conducted emissions.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ωloads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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 ≥ 500 kHz.

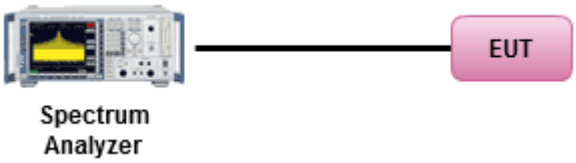
3.2.2 Measuring Instruments

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

Emission Bandwidth


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} ≤ 6 dBi, then P_{Out} ≤ 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 + 8dB dBm	
e.i.r.p. Power Limit:			
▪ 2400-2483.5 MHz Band			
	▪ Point-to-multipoint systems (P2M): P_{eirp} ≤ 36 dBm (4 W)		
	▪ Point-to-point systems (P2P): P_{eirp} ≤ MAX(36, [P_{Out} + G_{TX}]) dBm		
	▪ Smart antenna system (SAS)		
		- Single beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm	
		- Overlap beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm	
		- Aggregate power on all beams: P_{eirp} ≤ 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


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

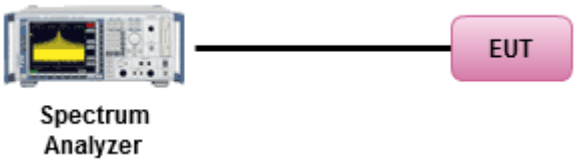
3.4.2 Measuring Instruments

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

Power Spectral Density


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.	

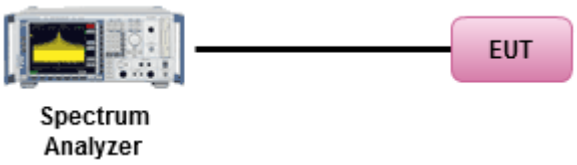
3.5.2 Measuring Instruments

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

Emissions in Non-restricted Frequency Bands


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 below30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

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

3.6.2 Measuring Instruments

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

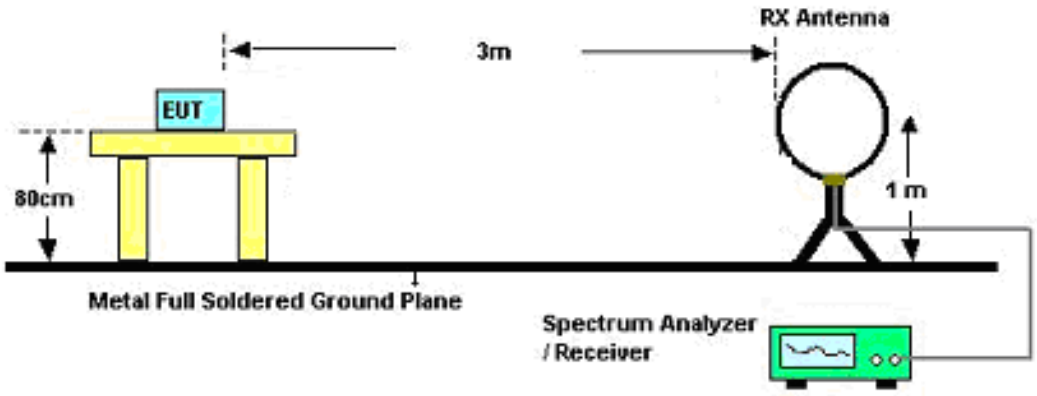
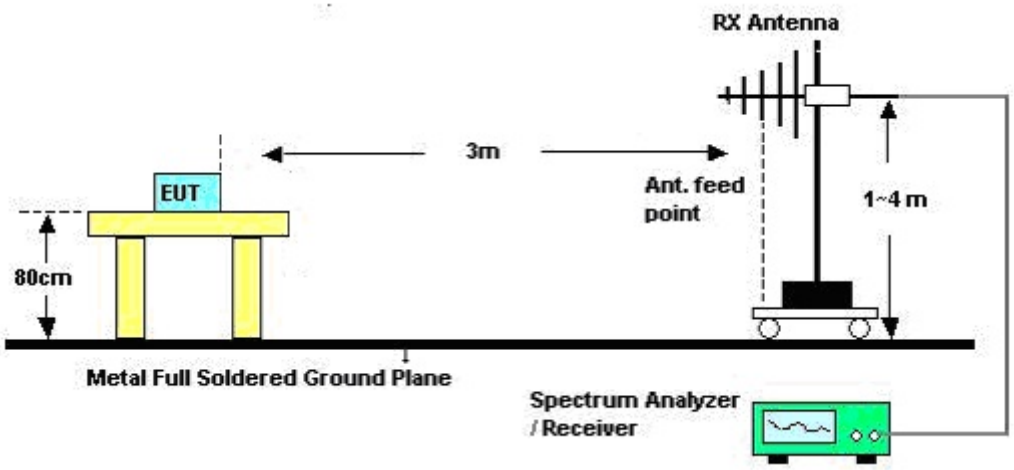
3.6.3 Test Procedures

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

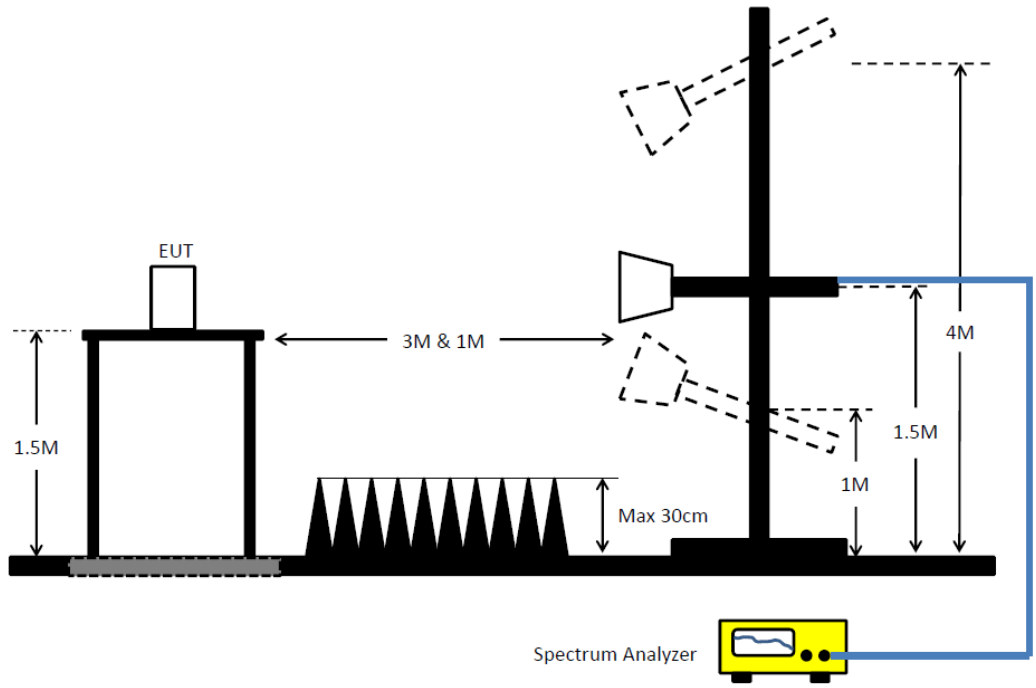
3.6.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.6.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	13/Jul/2025	12/Jul/2026
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	13/Jul/2025	12/Jul/2026
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	14/May/2025	13/May/2026
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101748	10Hz~44GHz	10/Apr/2025	09/Apr/2026
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	14/Oct/2024	13/Oct/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz~18GHz	18/Oct/2024	17/Oct/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz ~ 40GHz	04/Oct/2024	03/Oct/2025
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	10/Jun/2025	09/Jun/2026
RF Cable-R03m	Jye Bao	RG142	03CH03-cable-02	30MHz~1GHz	10/Jun/2025	09/Jun/2026
RF CABLE 5+8m	HUBER+ SUHNER	SUOFLEX_104	03CH03-cable-03	1GHz~40GHz	19/May/2025	18/May/2026
Amplifier	Aglient	8447D	2944A08033	100kHz~1.3GHz	13/Sep/2024	12/Sep/2025
Microwave Premplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	25/Jul/2024	24/Jul/2025
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	26/Apr/2025	25/Apr/2026
SENSE-15247_FS	Sporton	V5.11.23	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	FSV 40	101515	10Hz~40GHz	23/Jan/2025	22/Jan/2026
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	18/Dec/2024	17/Dec/2025
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	18/Dec/2024	17/Dec/2025
SENSE-15247_FS	Sporton	V5.11.25	N/A	N/A	N/A	N/A

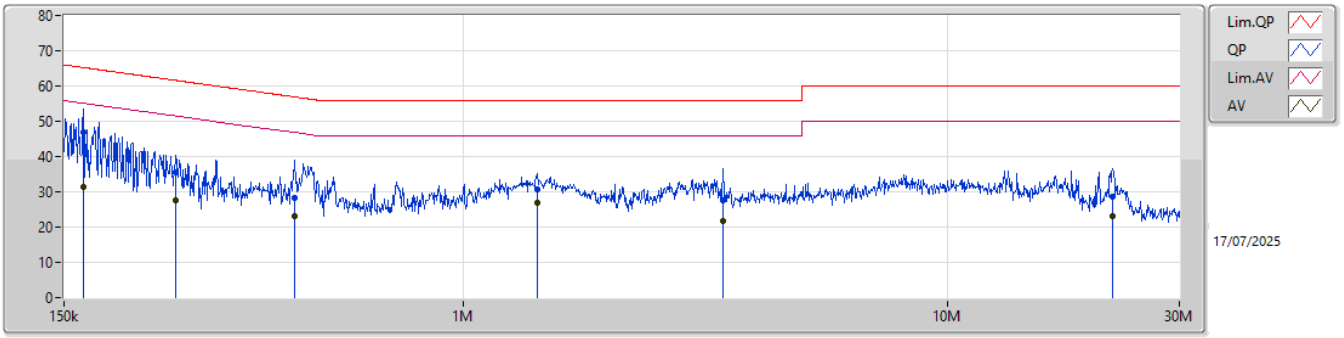
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	151.81k	48.51	65.90	-17.39	Neutral

Result

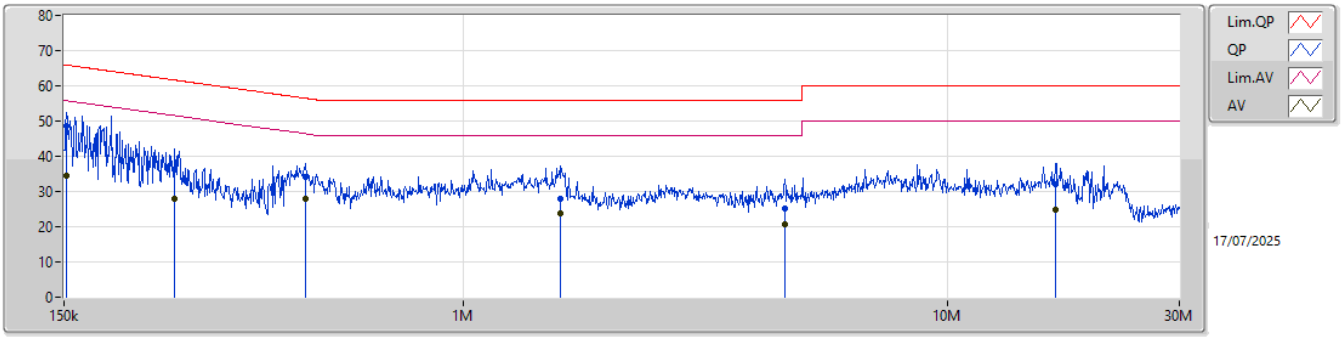
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	164.43k	46.94	65.24	-18.30	Line
Mode 1	Pass	AV	164.43k	31.31	55.24	-23.93	Line
Mode 1	Pass	QP	255.08k	35.53	61.58	-26.05	Line
Mode 1	Pass	AV	255.08k	27.68	51.58	-23.90	Line
Mode 1	Pass	QP	449.64k	28.19	56.88	-28.69	Line
Mode 1	Pass	AV	449.64k	23.01	46.88	-23.87	Line
Mode 1	Pass	QP	1.42M	30.55	56.00	-25.45	Line
Mode 1	Pass	AV	1.42M	27.05	46.00	-18.95	Line
Mode 1	Pass	QP	3.43M	27.55	56.00	-28.45	Line
Mode 1	Pass	AV	3.43M	21.57	46.00	-24.43	Line
Mode 1	Pass	QP	21.87M	28.51	60.00	-31.49	Line
Mode 1	Pass	AV	21.87M	23.01	50.00	-26.99	Line
Mode 1	Pass	QP	151.81k	48.51	65.90	-17.39	Neutral
Mode 1	Pass	AV	151.81k	34.37	55.90	-21.53	Neutral
Mode 1	Pass	QP	254.06k	36.21	61.62	-25.41	Neutral
Mode 1	Pass	AV	254.06k	27.89	51.62	-23.73	Neutral
Mode 1	Pass	QP	471.7k	34.29	56.48	-22.19	Neutral
Mode 1	Pass	AV	471.7k	27.95	46.48	-18.53	Neutral
Mode 1	Pass	QP	1.59M	27.81	56.00	-28.19	Neutral
Mode 1	Pass	AV	1.59M	23.63	46.00	-22.37	Neutral
Mode 1	Pass	QP	4.61M	25.09	56.00	-30.91	Neutral
Mode 1	Pass	AV	4.61M	20.65	46.00	-25.35	Neutral
Mode 1	Pass	QP	16.67M	31.90	60.00	-28.10	Neutral
Mode 1	Pass	AV	16.67M	24.96	50.00	-25.04	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	164.43k	46.94	65.24	-18.30	19.61	Line	-	27.33	9.63	0.01	9.97
AV	164.43k	31.31	55.24	-23.93	19.61	Line	-	11.70	9.63	0.01	9.97
QP	255.08k	35.53	61.58	-26.05	19.62	Line	-	15.91	9.63	0.02	9.97
AV	255.08k	27.68	51.58	-23.90	19.62	Line	-	8.06	9.63	0.02	9.97
QP	449.64k	28.19	56.88	-28.69	19.64	Line	-	8.55	9.63	0.03	9.98
AV	449.64k	23.01	46.88	-23.87	19.64	Line	-	3.37	9.63	0.03	9.98
QP	1.42M	30.55	56.00	-25.45	19.66	Line	-	10.89	9.65	0.04	9.97
AV	1.42M	27.05	46.00	-18.95	19.66	Line	-	7.39	9.65	0.04	9.97
QP	3.43M	27.55	56.00	-28.45	19.70	Line	-	7.85	9.67	0.05	9.98
AV	3.43M	21.57	46.00	-24.43	19.70	Line	-	1.87	9.67	0.05	9.98
QP	21.87M	28.51	60.00	-31.49	20.07	Line	-	8.44	9.79	0.30	9.98
AV	21.87M	23.01	50.00	-26.99	20.07	Line	-	2.94	9.79	0.30	9.98

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	151.81k	48.51	65.90	-17.39	19.71	Neutral	-	28.80	9.73	0.01	9.97
AV	151.81k	34.37	55.90	-21.53	19.71	Neutral	-	14.66	9.73	0.01	9.97
QP	254.06k	36.21	61.62	-25.41	19.71	Neutral	-	16.50	9.72	0.02	9.97
AV	254.06k	27.89	51.62	-23.73	19.71	Neutral	-	8.18	9.72	0.02	9.97
QP	471.7k	34.29	56.48	-22.19	19.72	Neutral	-	14.57	9.71	0.03	9.98
AV	471.7k	27.95	46.48	-18.53	19.72	Neutral	-	8.23	9.71	0.03	9.98
QP	1.59M	27.81	56.00	-28.19	19.74	Neutral	-	8.07	9.73	0.04	9.97
AV	1.59M	23.63	46.00	-22.37	19.74	Neutral	-	3.89	9.73	0.04	9.97
QP	4.61M	25.09	56.00	-30.91	19.88	Neutral	-	5.21	9.82	0.08	9.98
AV	4.61M	20.65	46.00	-25.35	19.88	Neutral	-	0.77	9.82	0.08	9.98
QP	16.67M	31.90	60.00	-28.10	20.32	Neutral	-	11.58	10.06	0.28	9.98
AV	16.67M	24.96	50.00	-25.04	20.32	Neutral	-	4.64	10.06	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)	713.75k	1.043M	1M04F1D	658.75k	1.026M
BT-LE(2Mbps)	1.365M	2.086M	2M09F1D	1.015M	2.044M

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

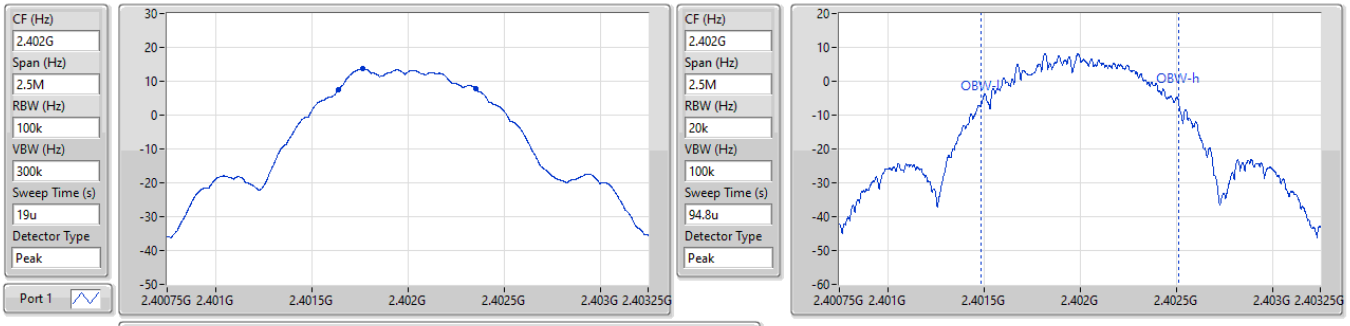
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	713.75k	1.026M
2440MHz	Pass	500k	658.75k	1.043M
2480MHz	Pass	500k	681.25k	1.034M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.313M	2.044M
2440MHz	Pass	500k	1.365M	2.086M
2480MHz	Pass	500k	1.015M	2.064M

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

2.4-2.4835GHz_BT-LE(1Mbps) **EBW-DTS**

2402MHz

15/07/2025

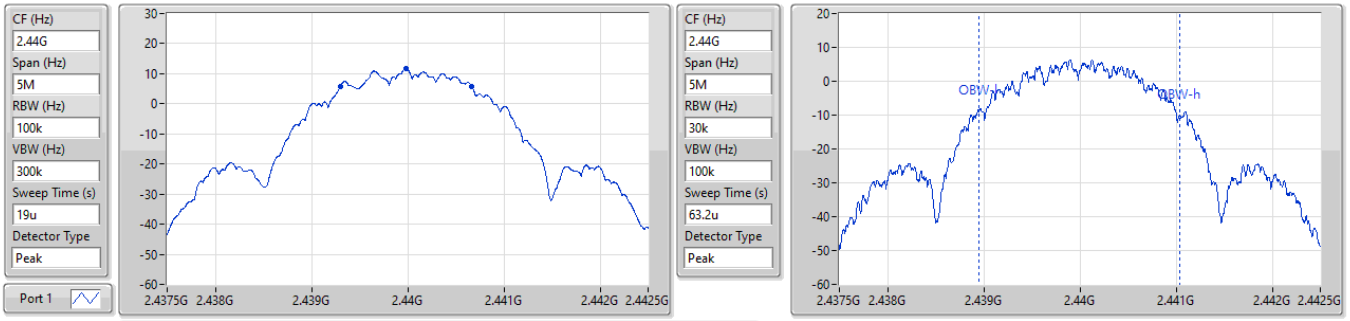


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
713.75k	2.401641G	2.402355G	1.026M	2.401485G	2.402511G	500k	1

2.4-2.4835GHz_BT-LE(2Mbps) **EBW-DTS**

2440MHz

15/07/2025



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.365M	2.439303G	2.440668G	2.086M	2.438951G	2.441037G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	15.30	0.03388
BT-LE(2Mbps)	15.31	0.03396

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.70	15.30	30.00
2440MHz	Pass	3.70	15.10	30.00
2480MHz	Pass	3.70	14.50	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.70	15.31	30.00
2440MHz	Pass	3.70	15.13	30.00
2480MHz	Pass	3.70	14.47	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	1.00
BT-LE(2Mbps)	-2.58

RBW = 3kHz;

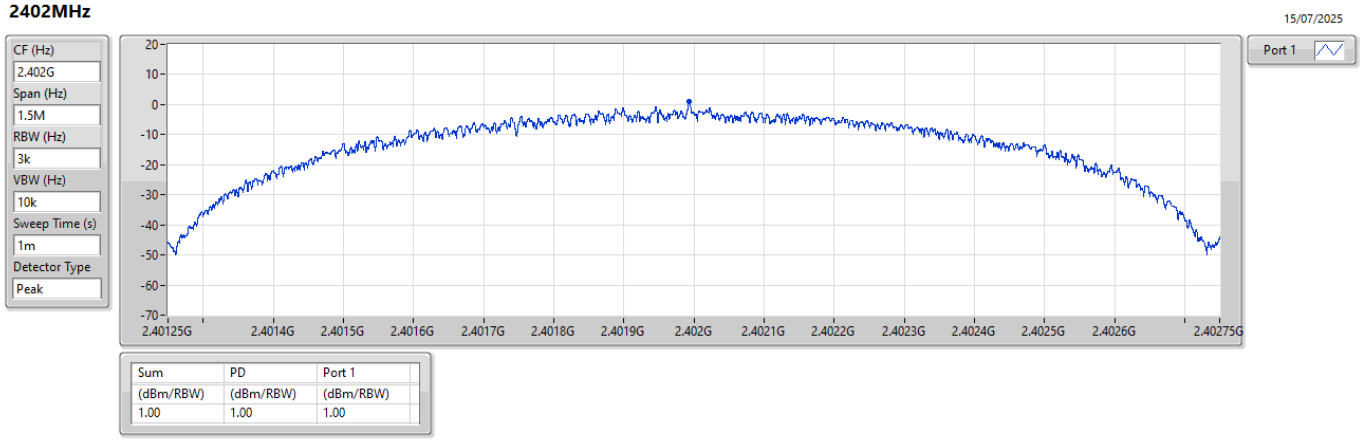
Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.70	1.00	8.00
2440MHz	Pass	3.70	-0.50	8.00
2480MHz	Pass	3.70	-1.16	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.70	-3.83	8.00
2440MHz	Pass	3.70	-2.95	8.00
2480MHz	Pass	3.70	-2.58	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**

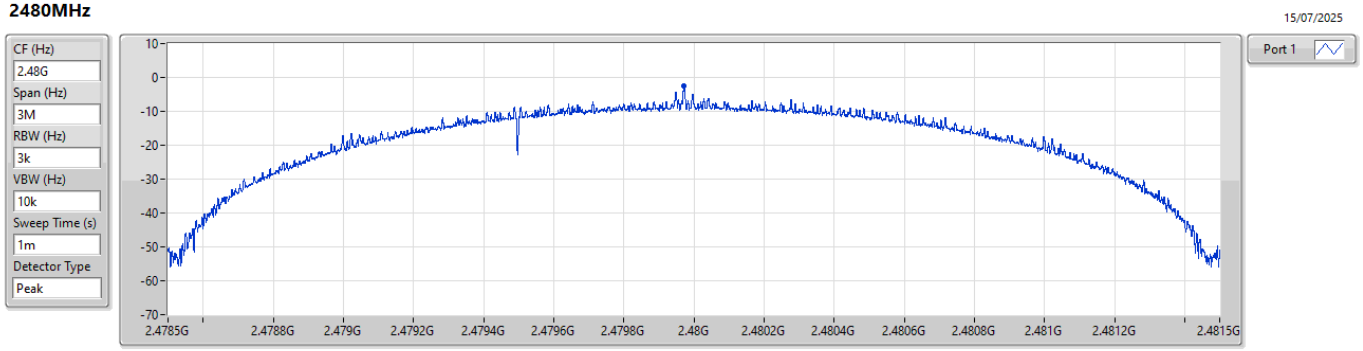
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.00	1.00	1.00

2.4-2.4835GHz_BT-LE(2Mbps) **PSD**

2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.58	-2.58	-2.58

Summary

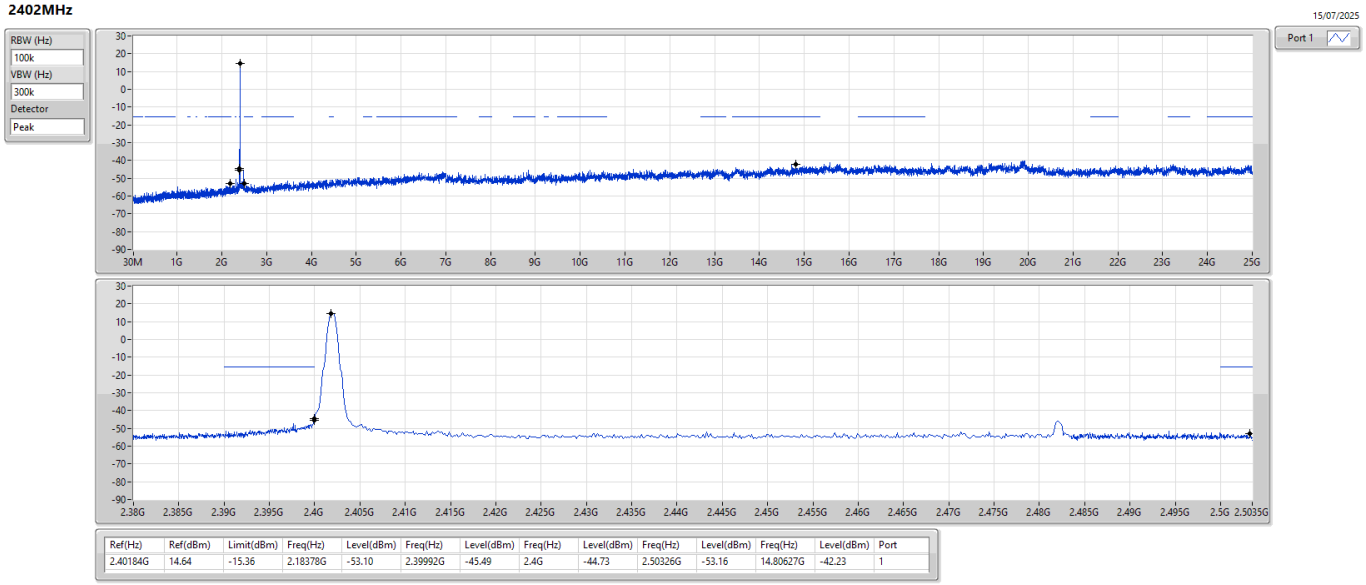
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.40184G	14.64	-15.36	2.18378G	-53.10	2.39992G	-45.49	2.4G	-44.73	2.50326G	-53.16	14.80627G	-42.23	1
BT-LE(2Mbps)	Pass	2.40184G	13.07	-16.93	2.09918G	-53.20	2.4G	-18.23	2.4G	-18.26	2.50346G	-53.11	15.05092G	-40.90	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	2.40184G	14.64	-15.36	2.18378G	-53.10	2.39992G	-45.49	2.4G	-44.73	2.50326G	-53.16	14.80627G	-42.23	1
2440MHz	Pass	2.40184G	14.64	-15.36	2.3001G	-54.08	2.39996G	-52.65	2.4G	-52.67	2.50034G	-52.14	15.0453G	-41.60	1
2480MHz	Pass	2.40184G	14.64	-15.36	2.19435G	-54.35	2.39976G	-48.00	2.4G	-49.15	2.50122G	-52.05	23.52086G	-41.97	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	13.07	-16.93	2.09918G	-53.20	2.4G	-18.23	2.4G	-18.26	2.50346G	-53.11	15.05092G	-40.90	1
2440MHz	Pass	2.40184G	13.07	-16.93	1.93585G	-54.26	2.39928G	-51.98	2.4G	-54.10	2.50114G	-53.36	23.19747G	-42.25	1
2480MHz	Pass	2.40184G	13.07	-16.93	1.93938G	-54.73	2.4G	-50.41	2.4G	-50.25	2.50222G	-52.16	16.3754G	-42.15	1

2.4-2.4835GHz_BT-LE(1Mbps) CSENdB-DTS

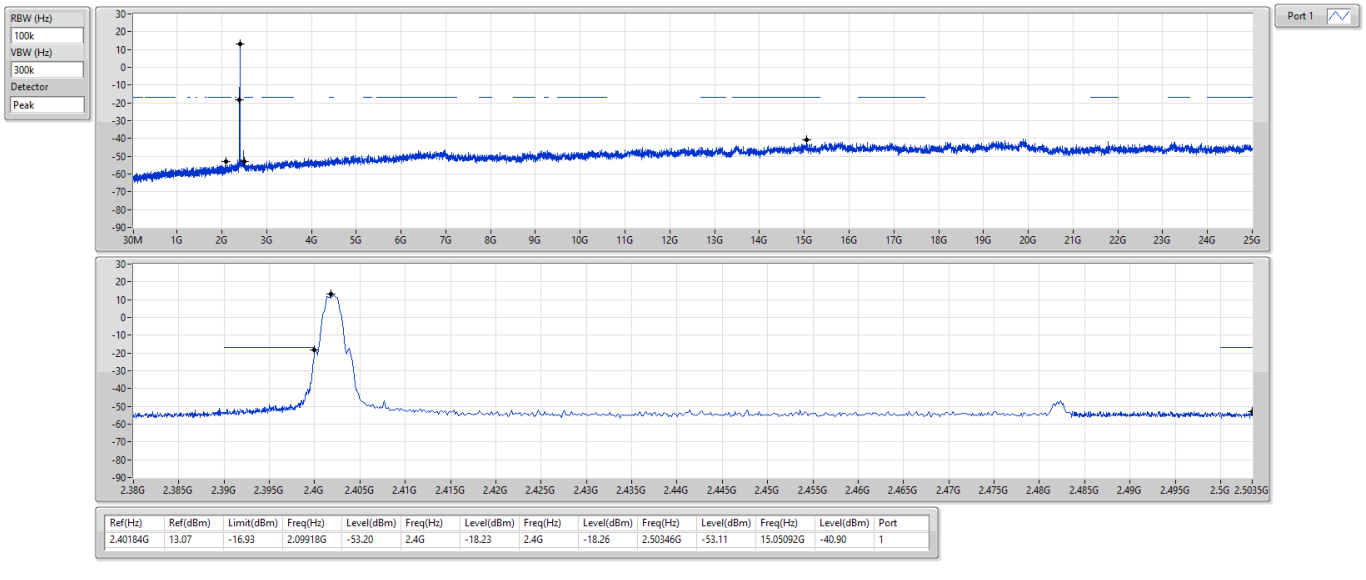
2402MHz



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	14.64	-15.36	2.18378G	-53.10	2.39992G	-45.49	2.4G	-44.73	2.50326G	-53.16	14.80627G	-42.23	1

2.4-2.4835GHz_BT-LE(2Mbps) CSENdB-DTS

2402MHz



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	13.07	-16.93	2.09918G	-53.20	2.4G	-18.23	2.4G	-18.26	2.50346G	-53.11	15.05092G	-40.90	1

Summary

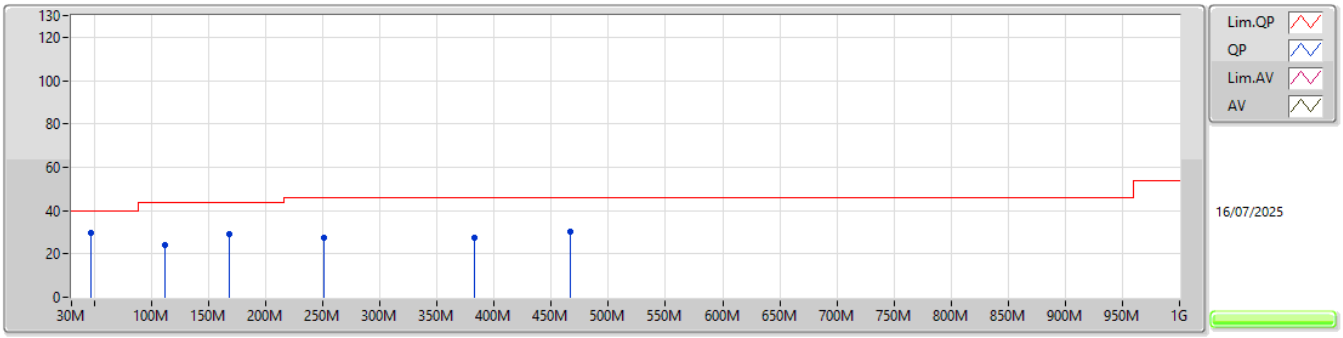
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	PK	47.46M	29.59	40.00	-10.41	3	Vertical	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	47.46M	29.59	40.00	-10.41	3	Vertical	360	1.00
2440MHz	Pass	PK	111.48M	23.92	43.50	-19.58	3	Vertical	360	1.00
2440MHz	Pass	PK	167.74M	29.22	43.50	-14.28	3	Vertical	360	1.00
2440MHz	Pass	PK	251.16M	27.56	46.00	-18.44	3	Vertical	360	1.00
2440MHz	Pass	PK	383.08M	27.64	46.00	-18.36	3	Vertical	360	1.00
2440MHz	Pass	PK	466.5M	30.15	46.00	-15.85	3	Vertical	360	1.00
2440MHz	Pass	PK	30M	25.63	40.00	-14.37	3	Horizontal	0	1.00
2440MHz	Pass	PK	119.24M	29.49	43.50	-14.01	3	Horizontal	0	1.00
2440MHz	Pass	PK	171.62M	30.58	43.50	-12.92	3	Horizontal	0	1.00
2440MHz	Pass	PK	276.38M	34.33	46.00	-11.67	3	Horizontal	0	1.00
2440MHz	Pass	PK	322.94M	33.52	46.00	-12.48	3	Horizontal	0	1.00
2440MHz	Pass	PK	466.5M	31.71	46.00	-14.29	3	Horizontal	0	1.00

2.4-2.4835GHz_BT-LE(1Mbps)

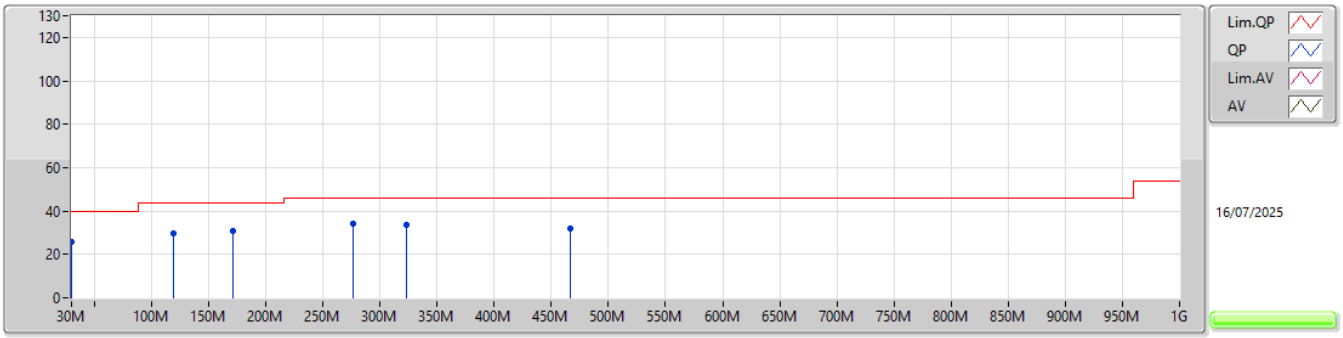
2440MHz_TX



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)
PK	47.46M	29.59	40.00	-10.41	-10.97	3	Vertical	360	1.00	40.56	15.19	1.20	27.36
PK	111.48M	23.92	43.50	-19.58	-7.15	3	Vertical	360	1.00	31.07	18.32	1.78	27.25
PK	167.74M	29.22	43.50	-14.28	-9.05	3	Vertical	360	1.00	38.27	15.88	2.15	27.08
PK	251.16M	27.56	46.00	-18.44	-5.35	3	Vertical	360	1.00	32.91	18.71	2.68	26.74
PK	383.08M	27.64	46.00	-18.36	-2.82	3	Vertical	360	1.00	30.46	21.22	3.30	27.34
PK	466.5M	30.15	46.00	-15.85	-0.93	3	Vertical	360	1.00	31.08	23.39	3.64	27.96

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)
PK	30M	25.63	40.00	-14.37	-2.20	3	Horizontal	0	1.00	27.83	24.27	1.04	27.51
PK	119.24M	29.49	43.50	-14.01	-6.99	3	Horizontal	0	1.00	36.48	18.47	1.76	27.22
PK	171.62M	30.58	43.50	-12.92	-9.09	3	Horizontal	0	1.00	39.67	15.80	2.18	27.07
PK	276.38M	34.33	46.00	-11.67	-4.95	3	Horizontal	0	1.00	39.28	18.95	2.82	26.72
PK	322.94M	33.52	46.00	-12.48	-3.97	3	Horizontal	0	1.00	37.49	19.83	3.07	26.87
PK	466.5M	31.71	46.00	-14.29	-0.93	3	Horizontal	0	1.00	32.64	23.39	3.64	27.96

Summary

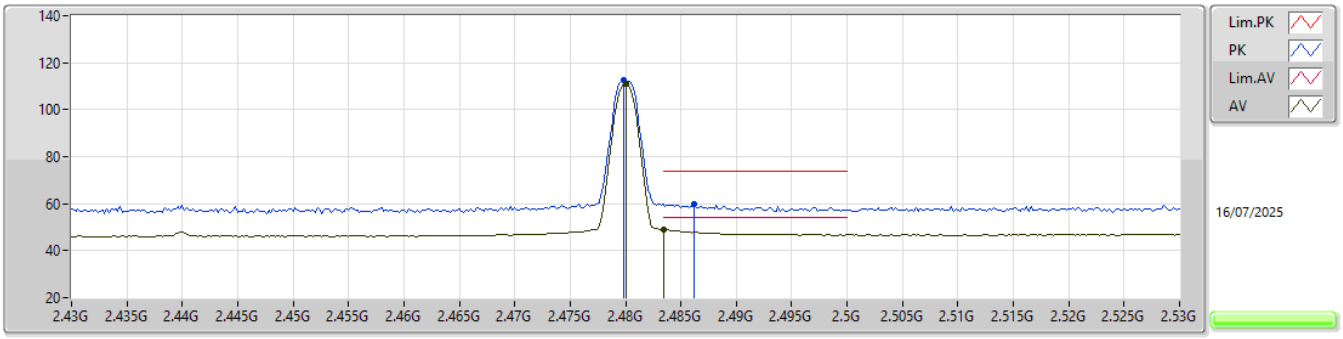
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	2.4835G	49.16	54.00	-4.84	3	Horizontal	323	1.79
BT-LE(2Mbps)	Pass	AV	2.4835G	47.21	54.00	-6.79	3	Horizontal	324	1.80

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	2.362G	47.82	54.00	-6.18	3	Horizontal	271	1.01
2402MHz	Pass	AV	2.402G	113.15	Inf	-Inf	3	Horizontal	271	1.01
2402MHz	Pass	PK	2.3864G	58.43	74.00	-15.57	3	Horizontal	271	1.01
2402MHz	Pass	PK	2.4018G	114.25	Inf	-Inf	3	Horizontal	271	1.01
2402MHz	Pass	AV	4.80446G	33.61	54.00	-20.39	3	Vertical	309	1.35
2402MHz	Pass	PK	4.80361G	46.48	74.00	-27.52	3	Vertical	309	1.35
2402MHz	Pass	AV	4.80401G	36.55	54.00	-17.45	3	Horizontal	331	1.09
2402MHz	Pass	PK	4.80348G	48.05	74.00	-25.95	3	Horizontal	331	1.09
2440MHz	Pass	AV	2.3596G	48.09	54.00	-5.91	3	Horizontal	271	1.65
2440MHz	Pass	AV	2.44G	112.22	Inf	-Inf	3	Horizontal	271	1.65
2440MHz	Pass	AV	2.4932G	46.75	54.00	-7.25	3	Horizontal	271	1.65
2440MHz	Pass	PK	2.36G	58.48	74.00	-15.52	3	Horizontal	271	1.65
2440MHz	Pass	PK	2.4396G	113.34	Inf	-Inf	3	Horizontal	271	1.65
2440MHz	Pass	PK	2.4992G	58.38	74.00	-15.62	3	Horizontal	271	1.65
2440MHz	Pass	AV	4.8777G	33.96	54.00	-20.04	3	Vertical	90	1.50
2440MHz	Pass	PK	4.88249G	47.33	74.00	-26.67	3	Vertical	90	1.50
2440MHz	Pass	AV	4.87988G	36.72	54.00	-17.28	3	Horizontal	329	1.27
2440MHz	Pass	PK	4.88019G	47.72	74.00	-26.28	3	Horizontal	329	1.27
2480MHz	Pass	AV	2.48G	111.28	Inf	-Inf	3	Horizontal	323	1.79
2480MHz	Pass	AV	2.4835G	49.16	54.00	-4.84	3	Horizontal	323	1.79
2480MHz	Pass	PK	2.4798G	112.35	Inf	-Inf	3	Horizontal	323	1.79
2480MHz	Pass	PK	2.4862G	59.90	74.00	-14.10	3	Horizontal	323	1.79
2480MHz	Pass	AV	4.96011G	35.17	54.00	-18.83	3	Vertical	212	2.83
2480MHz	Pass	PK	4.96058G	48.04	74.00	-25.96	3	Vertical	212	2.83
2480MHz	Pass	AV	4.95981G	36.11	54.00	-17.89	3	Horizontal	332	1.15
2480MHz	Pass	PK	4.96011G	48.35	74.00	-25.65	3	Horizontal	332	1.15
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3574G	46.22	54.00	-7.78	3	Horizontal	325	1.64
2402MHz	Pass	AV	2.402G	100.50	Inf	-Inf	3	Horizontal	325	1.64
2402MHz	Pass	PK	2.3892G	58.10	74.00	-15.90	3	Horizontal	325	1.64
2402MHz	Pass	PK	2.4014G	103.20	Inf	-Inf	3	Horizontal	325	1.64
2402MHz	Pass	AV	4.80533G	33.72	54.00	-20.28	3	Vertical	169	1.50
2402MHz	Pass	PK	4.80436G	46.30	74.00	-27.70	3	Vertical	169	1.50
2402MHz	Pass	AV	4.80376G	33.98	54.00	-20.02	3	Horizontal	327	1.07
2402MHz	Pass	PK	4.80459G	46.21	74.00	-27.79	3	Horizontal	327	1.07
2440MHz	Pass	AV	2.388G	46.05	54.00	-7.95	3	Horizontal	273	1.65
2440MHz	Pass	AV	2.44G	100.26	Inf	-Inf	3	Horizontal	273	1.65
2440MHz	Pass	AV	2.498G	46.93	54.00	-7.07	3	Horizontal	273	1.65
2440MHz	Pass	PK	2.3872G	58.04	74.00	-15.96	3	Horizontal	273	1.65
2440MHz	Pass	PK	2.4396G	103.00	Inf	-Inf	3	Horizontal	273	1.65
2440MHz	Pass	PK	2.4835G	59.09	74.00	-14.91	3	Horizontal	273	1.65
2440MHz	Pass	AV	4.87788G	34.30	54.00	-19.70	3	Vertical	69	2.61
2440MHz	Pass	PK	4.8789G	46.22	74.00	-27.78	3	Vertical	69	2.61
2440MHz	Pass	AV	4.87995G	34.29	54.00	-19.71	3	Horizontal	10	1.00
2440MHz	Pass	PK	4.88236G	46.30	74.00	-27.70	3	Horizontal	10	1.00
2480MHz	Pass	AV	2.48G	98.66	Inf	-Inf	3	Horizontal	324	1.80
2480MHz	Pass	AV	2.4835G	47.21	54.00	-6.79	3	Horizontal	324	1.80
2480MHz	Pass	PK	2.4804G	101.40	Inf	-Inf	3	Horizontal	324	1.80
2480MHz	Pass	PK	2.4962G	60.03	74.00	-13.97	3	Horizontal	324	1.80
2480MHz	Pass	AV	4.96134G	34.81	54.00	-19.19	3	Vertical	360	1.50
2480MHz	Pass	PK	4.95916G	46.79	74.00	-27.21	3	Vertical	360	1.50
2480MHz	Pass	AV	4.95979G	34.91	54.00	-19.09	3	Horizontal	329	1.00
2480MHz	Pass	PK	4.96063G	46.77	74.00	-27.23	3	Horizontal	329	1.00

2.4-2.4835GHz_BT-LE(1Mbps)

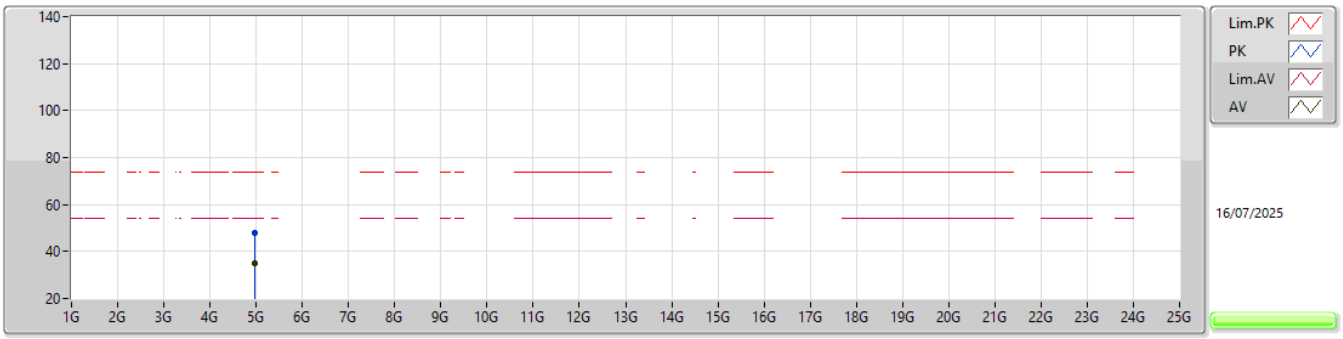
2480MHz_TX



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	111.28	Inf	-Inf	32.89	3	Horizontal	323	1.79	78.39	27.90	4.99	-
AV	2.4835G	49.16	54.00	-4.84	32.93	3	Horizontal	323	1.79	16.23	27.94	4.99	-
PK	2.4798G	112.35	Inf	-Inf	32.89	3	Horizontal	323	1.79	79.46	27.90	4.99	-
PK	2.4862G	59.90	74.00	-14.10	32.96	3	Horizontal	323	1.79	26.94	27.96	5.00	-

2.4-2.4835GHz_BT-LE(1Mbps)

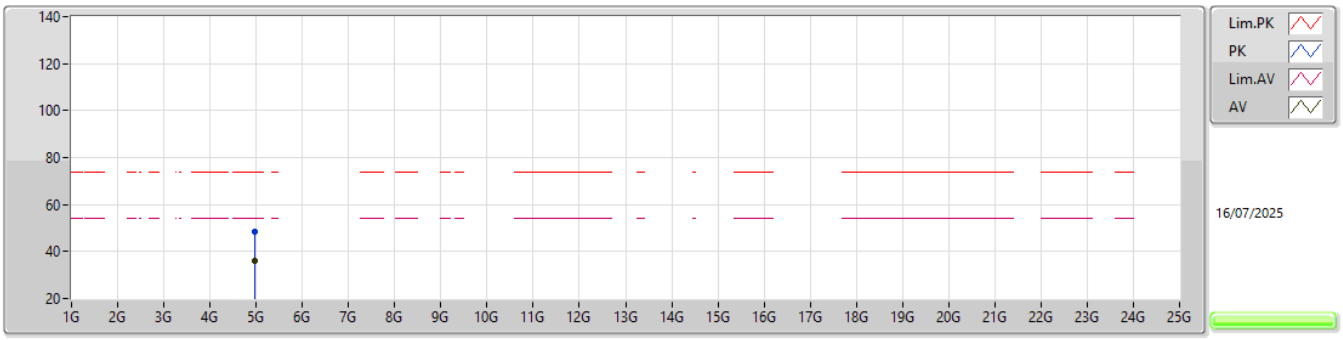
2480MHz_TX



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	4.96011G	35.17	54.00	-18.83	6.38	3	Vertical	212	2.83	28.79	33.22	7.16	34.00
PK	4.96058G	48.04	74.00	-25.96	6.38	3	Vertical	212	2.83	41.66	33.22	7.16	34.00

2.4-2.4835GHz_BT-LE(1Mbps)

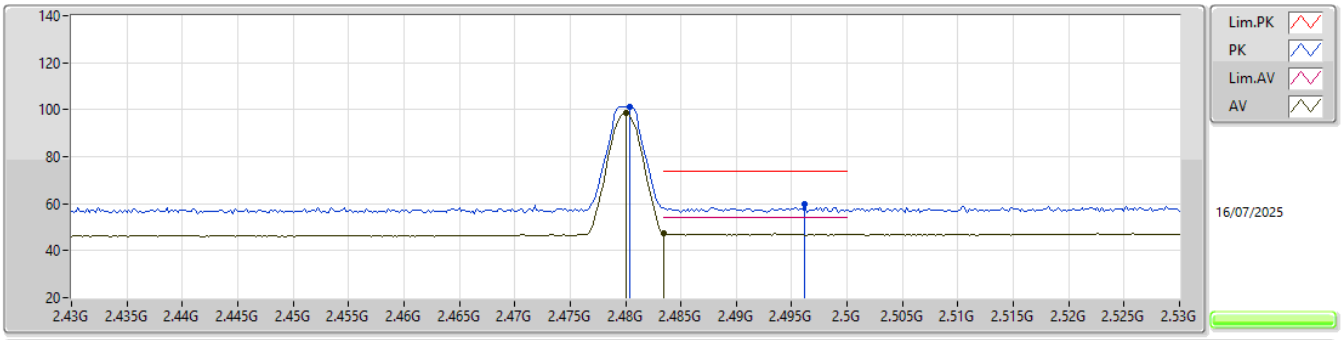
2480MHz_TX



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	4.95981G	36.11	54.00	-17.89	6.38	3	Horizontal	332	1.15	29.73	33.22	7.16	34.00
PK	4.96011G	48.35	74.00	-25.65	6.38	3	Horizontal	332	1.15	41.97	33.22	7.16	34.00

2.4-2.4835GHz_BT-LE(2Mbps)

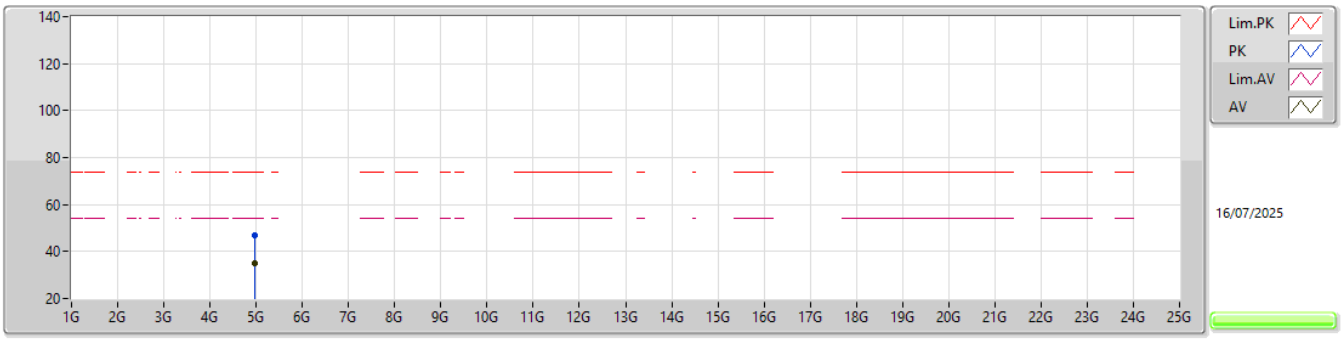
2480MHz_TX



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	98.66	Inf	-Inf	32.89	3	Horizontal	324	1.80	65.77	27.90	4.99	-
AV	2.4835G	47.21	54.00	-6.79	32.93	3	Horizontal	324	1.80	14.28	27.94	4.99	-
PK	2.4804G	101.40	Inf	-Inf	32.89	3	Horizontal	324	1.80	68.51	27.90	4.99	-
PK	2.4962G	60.03	74.00	-13.97	33.01	3	Horizontal	324	1.80	27.02	28.00	5.01	-

2.4-2.4835GHz_BT-LE(2Mbps)

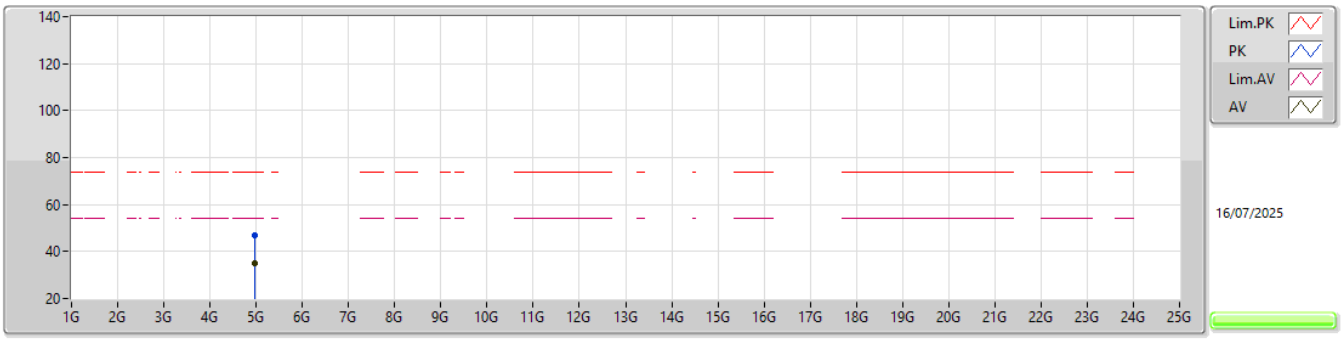
2480MHz_TX



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	4.96134G	34.81	54.00	-19.19	6.38	3	Vertical	360	1.50	28.43	33.22	7.16	34.00
PK	4.95916G	46.79	74.00	-27.21	6.38	3	Vertical	360	1.50	40.41	33.22	7.16	34.00

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	4.95979G	34.91	54.00	-19.09	6.38	3	Horizontal	329	1.00	28.53	33.22	7.16	34.00
PK	4.96063G	46.77	74.00	-27.23	6.38	3	Horizontal	329	1.00	40.39	33.22	7.16	34.00