

FCC Radio Test Report

FCC ID : HBWCHM1
Equipment : Wireless Chime
Brand Name : myQ
Model Name : MYQW11AXXW
Applicant : The Chamberlain Group LLC
300 Windsor Drive, Oak Brook, IL. 60523
Manufacturer : The Chamberlain Group LLC
300 Windsor Drive, Oak Brook, IL. 60523
Standard : 47 CFR FCC Part 15.247

The product was received on Aug. 08, 2025, and testing was started from Aug. 21, 2025 and completed on Aug. 27, 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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Summary of Test Result

Report Clause	Ref.Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Barry Hsiao

Report Producer: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Mode	Ch. Frequency (MHz)	Channel Number
2400-2483.5	LE	2402-2480	0-39 [40]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-LE(125kbps)	2.0	1TX
2.4-2.4835GHz	BT-LE(500kbps)	2.0	1TX
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 (125kbps/500kbps/1Mbps/2Mbps) modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Bluetooth LE 125k/500k/1Mbps uses the same modulation, and 1Mbps was found to be the worst case scenario which was performed full test and recorded in this test report.

1.1.2 Antenna Information

Ant.	Port	Brand Name	Model Name	Antenna Type	Connector	Support	Gain (dBi)
1	1	INPAQ TECHNOLOGY (SUZHOU) CO., LTD	RFFPA301808I MAB301	FPC	N/A	2.4G+BT	1.35

For 2.4GHz function:

For IEEE 802.11 b/g/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 Switching Power Supply		
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)	0.632	1.99	395u	3k
BT-LE(2Mbps)	0.333	4.78	208.125u	5k

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	Andy Wang	23.1~24.7°C / 54~60%	27/Aug/2025
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Johnny Yu	23.4~23.9°C / 52~55%	22/Aug/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	03CH09-HY	Edward Wang	22.2~23.4°C / 50~52%	21/Aug/2025

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	RtlBluetoothMP 5.3.1.93
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Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default
BT-LE(2Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Switching Power Supply 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	Switching Power Supply Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V

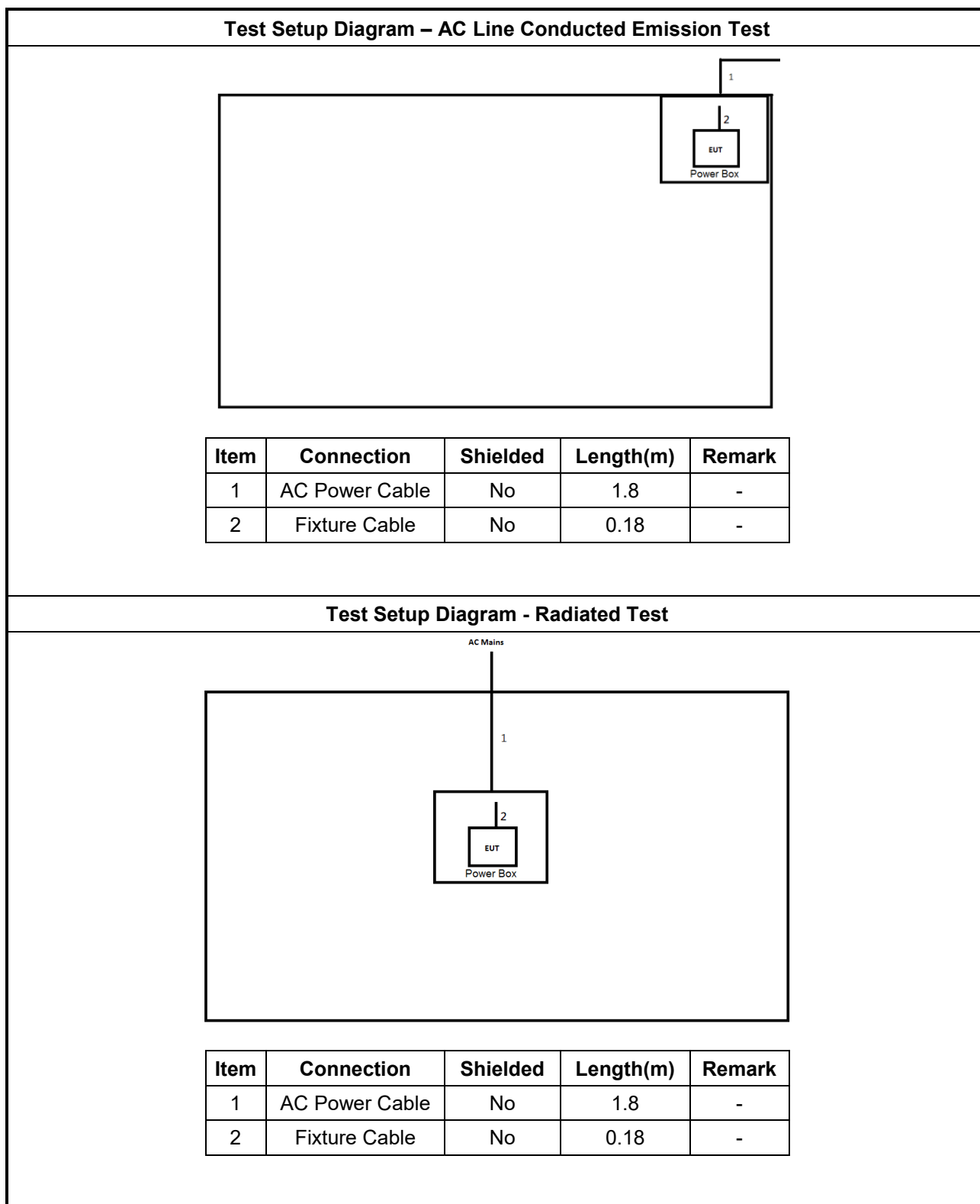
2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Fixture 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	-	-
3	Fixture	Sporton	Sporton	-	-

Support Equipment –Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Fixture Cable	Sporton	Sporton	-	-

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

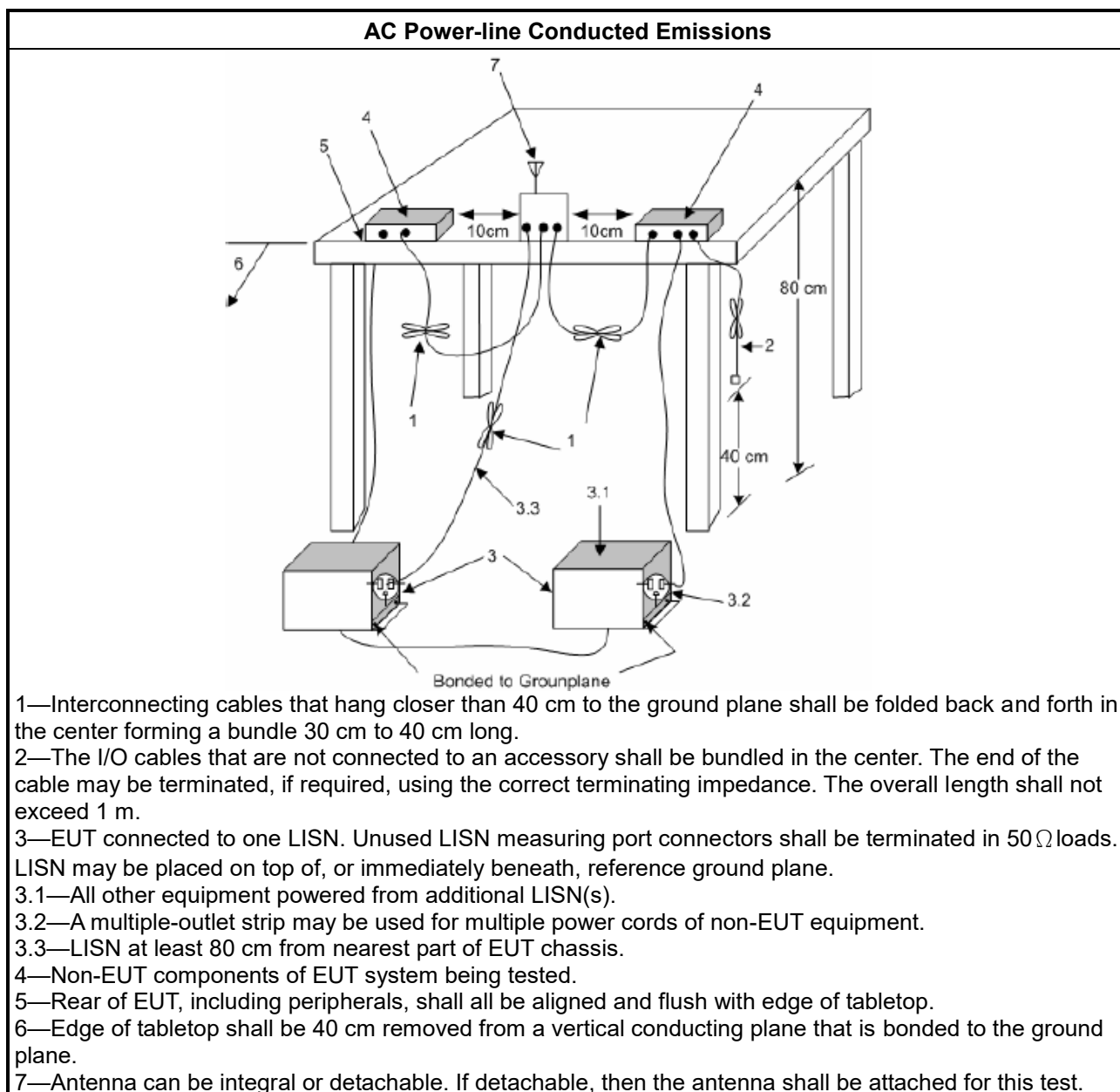
Test Method
Refer as ANSI C63.10, clause 6.2 foray power-line conducted emissions.

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.

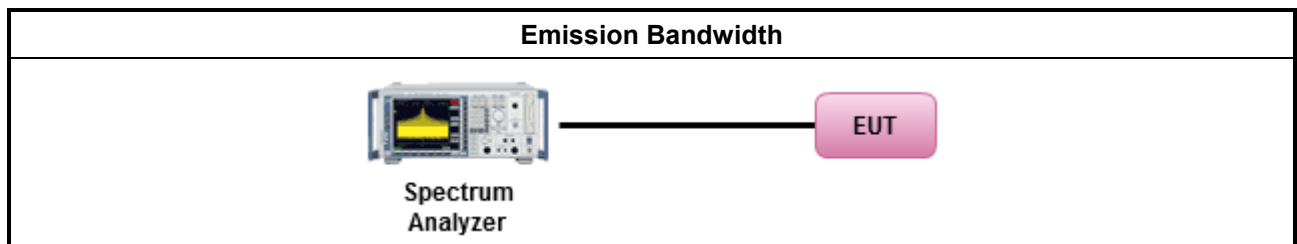
3.2.2 Measuring Instruments

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.	

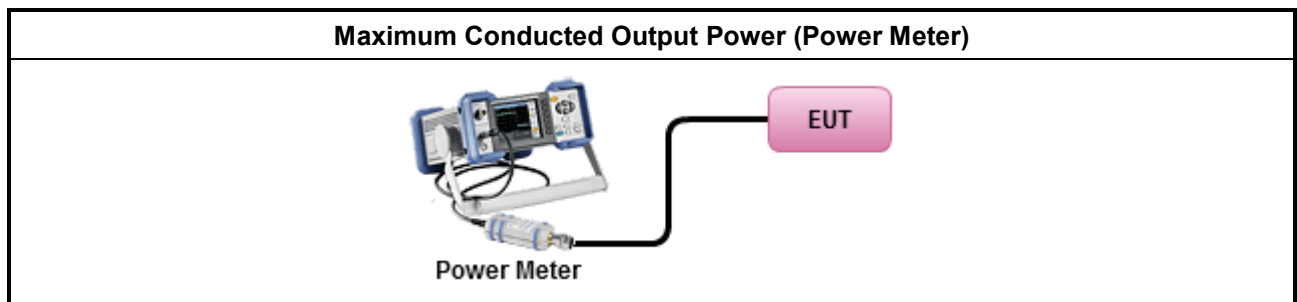
3.3.2 Measuring Instruments

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

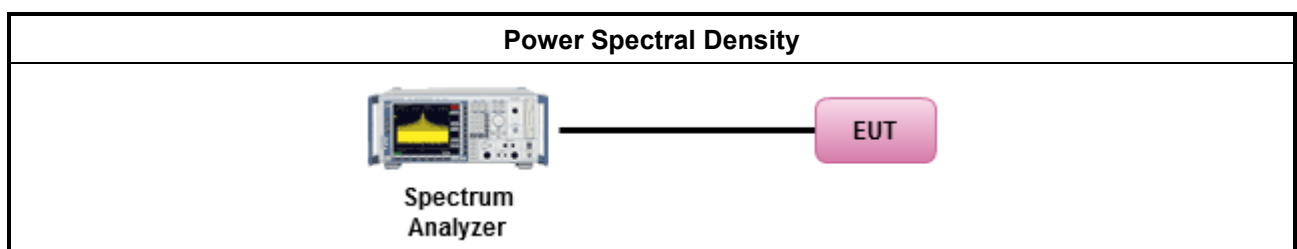
3.4.2 Measuring Instruments

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.	

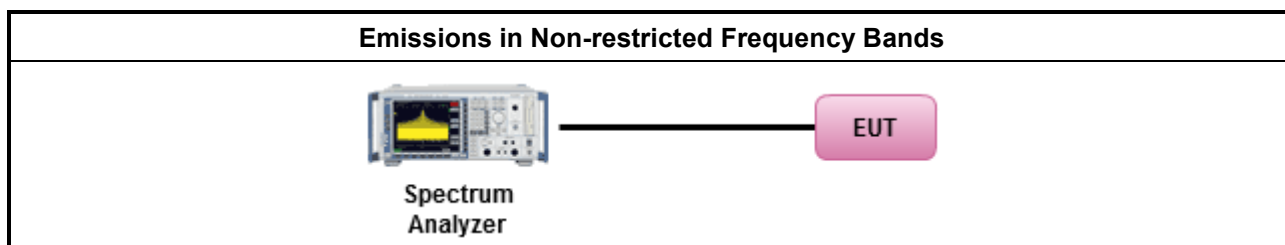
3.5.2 Measuring Instruments

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

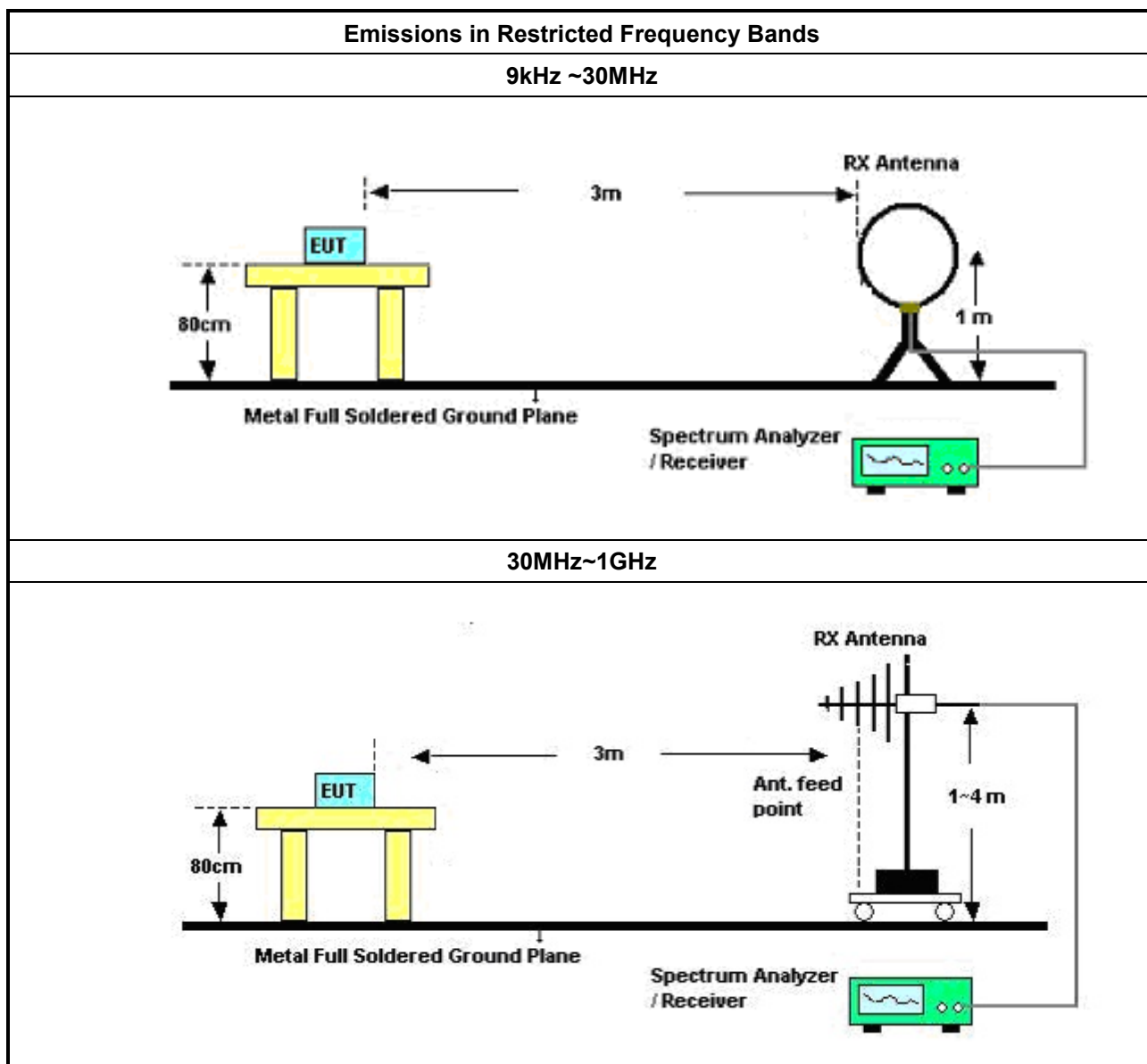
Test Method	
	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
	For the transmitter unwanted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

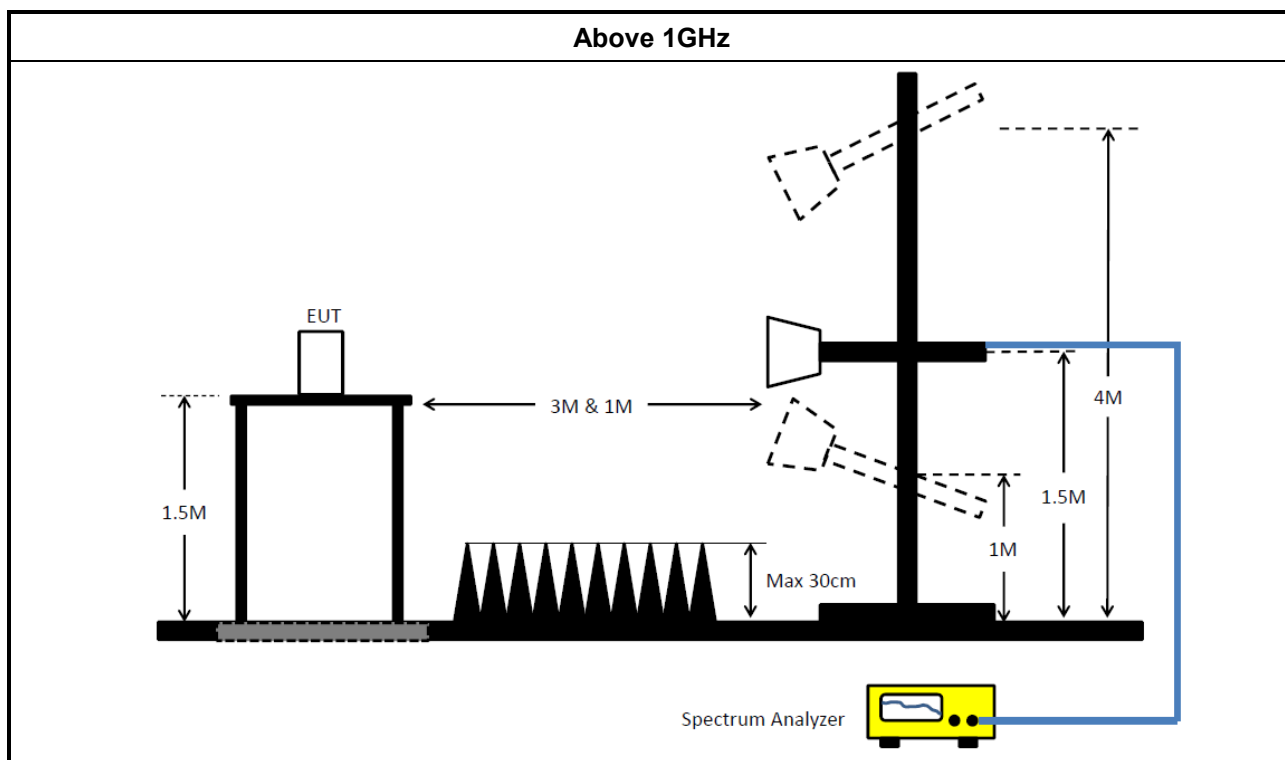
3.6.4 Measurement Results Calculation

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

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	28/Oct/2024	27/Oct/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	28/Mar/2025	27/Mar/2026
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	28/Mar/2025	27/Mar/2026
SENSE-15247_FS	Sporton	V5.11.25	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	07/Mar/2025	06/Mar/2026
Site V.S.W.R	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	06/Mar/2025	05/Mar/2026
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	06/Dec/2024	05/Dec/2025
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	01/Nov/2024	31/Oct/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	26/Aug/2024	25/Aug/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-R03m	Jye Bao	RG142	03CH09-cable-01	9kHz~1GHz	19/Feb/2025	18/Feb/2026
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	07/Oct/2024	06/Oct/2025
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	09/Apr/2025	08/Apr/2026
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-15247_FS	Sporton	V5.11.23	NA	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

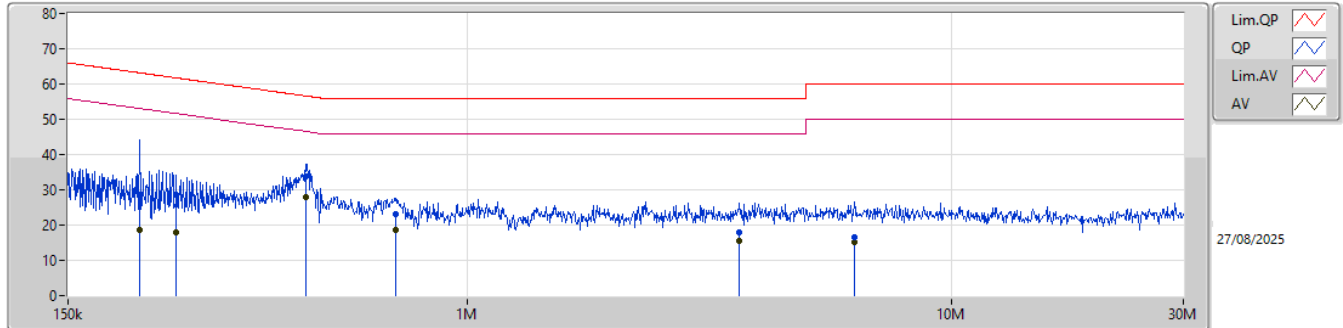
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	464.23k	27.77	46.61	-18.84	Line

Result

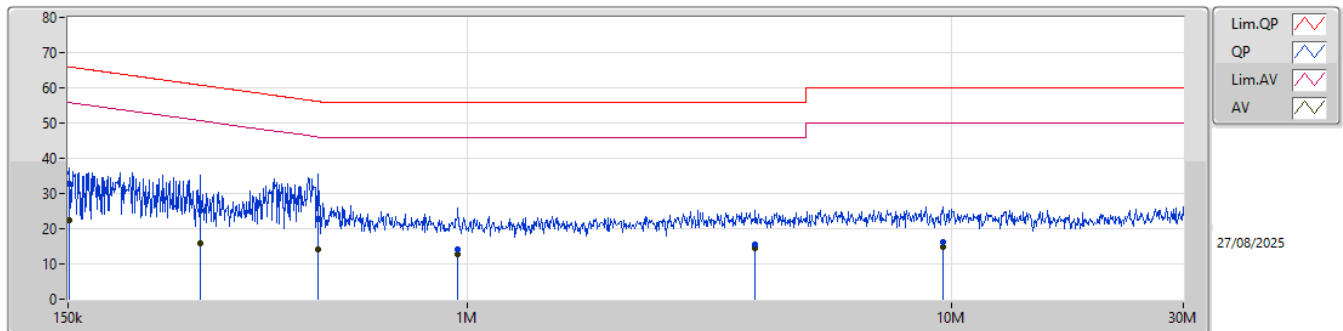
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	210.6k	28.56	63.19	-34.63	Line
Mode 1	Pass	AV	210.6k	18.46	53.19	-34.73	Line
Mode 1	Pass	QP	251.04k	28.68	61.72	-33.04	Line
Mode 1	Pass	AV	251.04k	17.81	51.72	-33.91	Line
Mode 1	Pass	QP	464.23k	33.92	56.61	-22.69	Line
Mode 1	Pass	AV	464.23k	27.77	46.61	-18.84	Line
Mode 1	Pass	QP	711.61k	22.96	56.00	-33.04	Line
Mode 1	Pass	AV	711.61k	18.64	46.00	-27.36	Line
Mode 1	Pass	QP	3.64M	17.99	56.00	-38.01	Line
Mode 1	Pass	AV	3.64M	15.55	46.00	-30.45	Line
Mode 1	Pass	QP	6.29M	16.59	60.00	-43.41	Line
Mode 1	Pass	AV	6.29M	15.28	50.00	-34.72	Line
Mode 1	Pass	QP	150.6k	32.74	65.96	-33.22	Neutral
Mode 1	Pass	AV	150.6k	22.36	55.96	-33.60	Neutral
Mode 1	Pass	QP	280.73k	25.25	60.80	-35.55	Neutral
Mode 1	Pass	AV	280.73k	15.73	50.80	-35.07	Neutral
Mode 1	Pass	QP	492.88k	22.61	56.11	-33.50	Neutral
Mode 1	Pass	AV	492.88k	14.19	46.11	-31.92	Neutral
Mode 1	Pass	QP	956.17k	14.27	56.00	-41.73	Neutral
Mode 1	Pass	AV	956.17k	12.80	46.00	-33.20	Neutral
Mode 1	Pass	QP	3.93M	15.67	56.00	-40.33	Neutral
Mode 1	Pass	AV	3.93M	14.49	46.00	-31.51	Neutral
Mode 1	Pass	QP	9.57M	16.24	60.00	-43.76	Neutral
Mode 1	Pass	AV	9.57M	14.97	50.00	-35.03	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Raw	LISN	CL	AT								
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)		(dBuV)	(dB)	(dB)	(dB)								
QP	210.6k	28.56	63.19	-34.63	19.61	Line	8.95	9.63	0.01	9.97								
AV	210.6k	18.46	53.19	-34.73	19.61	Line	-1.15	9.63	0.01	9.97								
QP	251.04k	28.68	61.72	-33.04	19.62	Line	9.06	9.63	0.02	9.97								
AV	251.04k	17.81	51.72	-33.91	19.62	Line	-1.81	9.63	0.02	9.97								
QP	464.23k	33.92	56.61	-22.69	19.64	Line	14.28	9.63	0.03	9.98								
AV	464.23k	27.77	46.61	-18.84	19.64	Line	8.13	9.63	0.03	9.98								
QP	711.61k	22.96	56.00	-33.04	19.66	Line	3.30	9.64	0.04	9.98								
AV	711.61k	18.64	46.00	-27.36	19.66	Line	-1.02	9.64	0.04	9.98								
QP	3.64M	17.99	56.00	-38.01	19.70	Line	-1.71	9.67	0.05	9.98								
AV	3.64M	15.55	46.00	-30.45	19.70	Line	-4.15	9.67	0.05	9.98								
QP	6.29M	16.59	60.00	-43.41	19.84	Line	-3.25	9.72	0.14	9.98								
AV	6.29M	15.28	50.00	-34.72	19.84	Line	-4.56	9.72	0.14	9.98								

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Raw	LISN	CL	AT								
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)		(dBuV)	(dB)	(dB)	(dB)								
QP	150.6k	32.74	65.96	-33.22	19.71	Neutral	13.03	9.73	0.01	9.97								
AV	150.6k	22.36	55.96	-33.60	19.71	Neutral	2.65	9.73	0.01	9.97								
QP	280.73k	25.25	60.80	-35.55	19.71	Neutral	5.54	9.72	0.02	9.97								
AV	280.73k	15.73	50.80	-35.07	19.71	Neutral	-3.98	9.72	0.02	9.97								
QP	492.88k	22.61	56.11	-33.50	19.72	Neutral	2.89	9.71	0.03	9.98								
AV	492.88k	14.19	46.11	-31.92	19.72	Neutral	-5.53	9.71	0.03	9.98								
QP	956.17k	14.27	56.00	-41.73	19.75	Neutral	-5.48	9.72	0.05	9.98								
AV	956.17k	12.80	46.00	-33.20	19.75	Neutral	-6.95	9.72	0.05	9.98								
QP	3.93M	15.67	56.00	-40.33	19.82	Neutral	-4.15	9.79	0.05	9.98								
AV	3.93M	14.49	46.00	-31.51	19.82	Neutral	-5.33	9.79	0.05	9.98								
QP	9.57M	16.24	60.00	-43.76	20.16	Neutral	-3.92	9.95	0.23	9.98								
AV	9.57M	14.97	50.00	-35.03	20.16	Neutral	-5.19	9.95	0.23	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)	607.5k	1.044M	1M04F1D	558.75k	1.009M
BT-LE(2Mbps)	1.368M	2.066M	2M07F1D	805k	2.039M

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

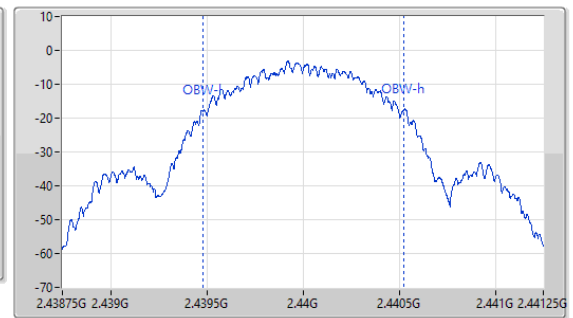
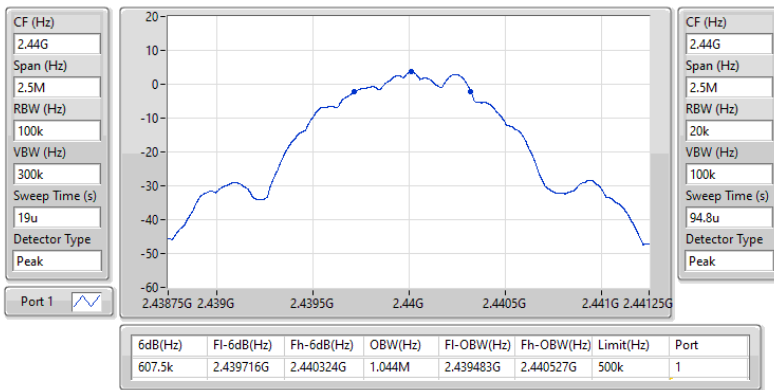
**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	558.75k	1.009M
2440MHz	Pass	500k	607.5k	1.044M
2480MHz	Pass	500k	605k	1.014M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.368M	2.054M
2440MHz	Pass	500k	805k	2.039M
2480MHz	Pass	500k	1.025M	2.066M

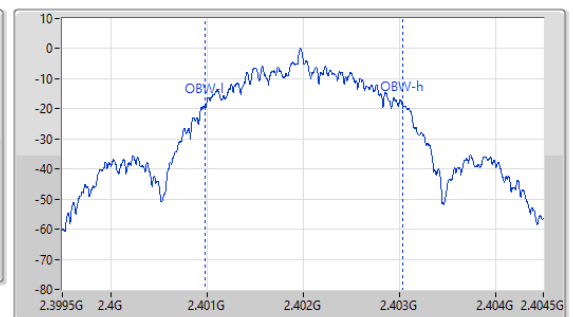
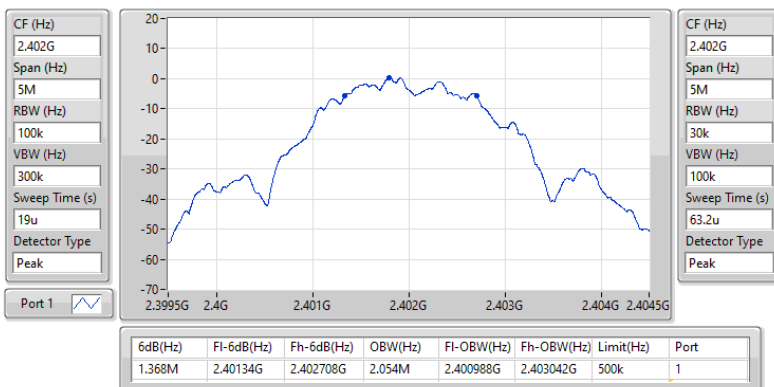
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

22/08/2025


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

22/08/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	4.01	0.00252
BT-LE(2Mbps)	3.82	0.00241

**Result**

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	1.35	3.99	30.00
2440MHz	Pass	1.35	3.82	30.00
2480MHz	Pass	1.35	4.01	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	1.35	3.79	30.00
2440MHz	Pass	1.35	3.65	30.00
2480MHz	Pass	1.35	3.82	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-8.86
BT-LE(2Mbps)	-13.39

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	1.35	-11.91	8.00
2440MHz	Pass	1.35	-8.86	8.00
2480MHz	Pass	1.35	-11.41	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	1.35	-13.39	8.00
2440MHz	Pass	1.35	-13.40	8.00
2480MHz	Pass	1.35	-14.64	8.00

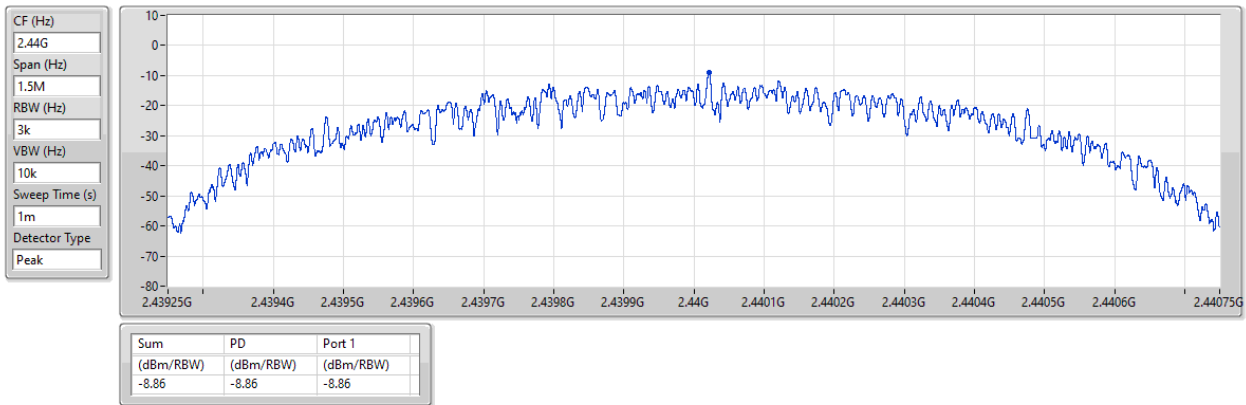
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

22/08/2025

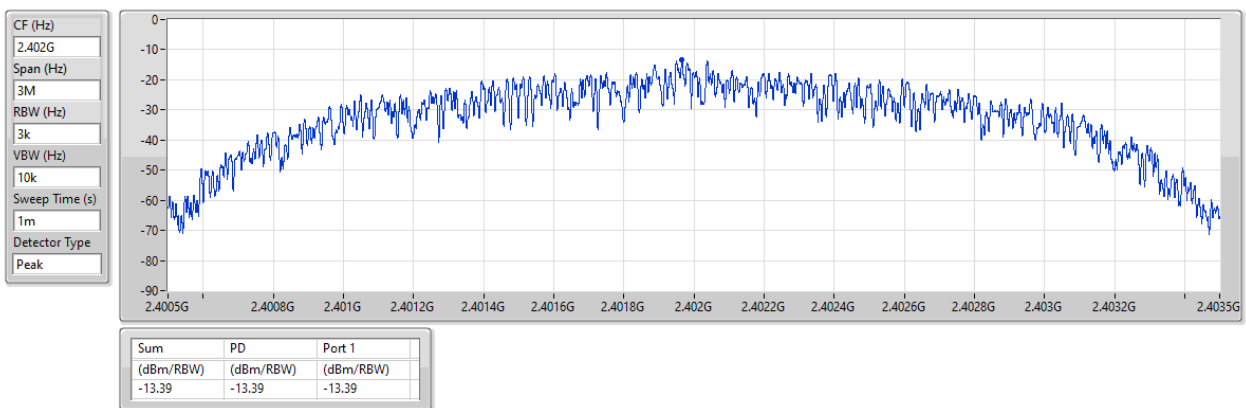


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

22/08/2025



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.48016G	4.23	-25.77	2.11093G	-56.05	2.39984G	-51.43	2.4G	-50.14	2.50294G	-54.29	16.28261G	-41.55	1
BT-LE(2Mbps)	Pass	2.47999G	4.26	-25.74	1.93233G	-55.70	2.4G	-28.70	2.4G	-28.68	2.50338G	-52.78	16.26855G	-42.19	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	2.48016G	4.23	-25.77	2.11093G	-56.05	2.39984G	-51.43	2.4G	-50.14	2.50294G	-54.29	16.28261G	-41.55	1
2440MHz	Pass	2.48016G	4.23	-25.77	2.11093G	-54.64	2.39948G	-53.47	2.4G	-56.30	2.50198G	-53.44	17.6099G	-41.03	1
2480MHz	Pass	2.48016G	4.23	-25.77	1.98403G	-55.37	2.39584G	-53.81	2.4G	-54.68	2.50262G	-53.64	16.27979G	-41.37	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.47999G	4.26	-25.74	1.93233G	-55.70	2.4G	-28.70	2.4G	-28.68	2.50338G	-52.78	16.26855G	-42.19	1
2440MHz	Pass	2.47999G	4.26	-25.74	2.1873G	-55.91	2.39168G	-53.68	2.4G	-57.34	2.50114G	-53.74	23.31839G	-41.30	1
2480MHz	Pass	2.47999G	4.26	-25.74	2.16733G	-55.89	2.39956G	-54.25	2.4G	-55.57	2.5025G	-53.84	17.24152G	-41.45	1

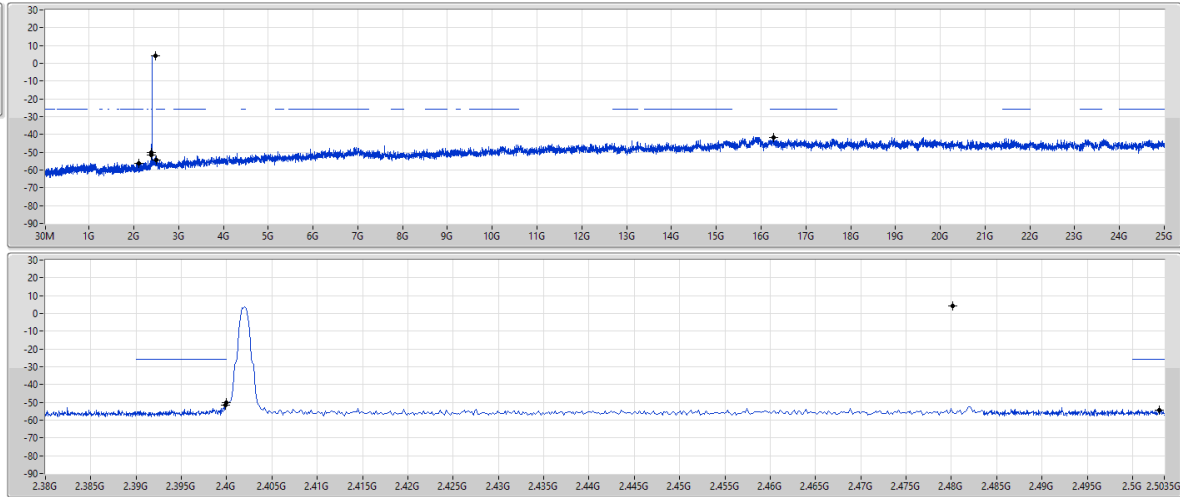
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

22/08/2025

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
2.48016G	4.23	-25.77	2.11093G	-56.05	2.39984G	-51.43	2.4G	-50.14	2.50294G	-54.29	16.28261G	-41.55	1

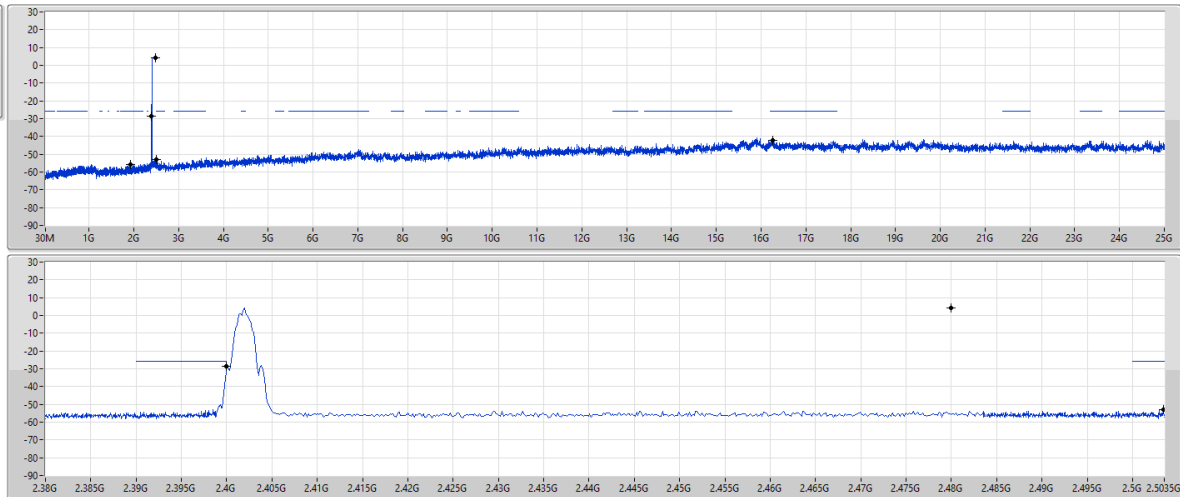
2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

22/08/2025

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
2.47999G	4.26	-25.74	1.93233G	-55.70	2.4G	-28.70	2.4G	-28.68	2.50338G	-52.78	16.2855G	-42.19	1



Summary

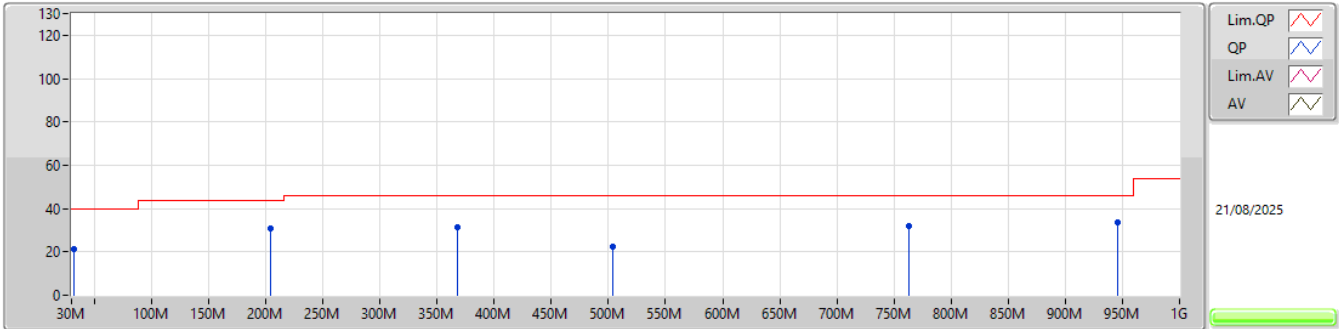
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	204.6M	30.94	43.50	-12.56	3	Vertical	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_TX	Pass	PK	31.94M	21.08	40.00	-18.92	3	Vertical	0	1.00
2440MHz_TX	Pass	PK	204.6M	30.94	43.50	-12.56	3	Vertical	0	1.00
2440MHz_TX	Pass	PK	367.56M	31.60	46.00	-14.40	3	Vertical	0	1.00
2440MHz_TX	Pass	PK	503.36M	22.52	46.00	-23.48	3	Vertical	0	1.00
2440MHz_TX	Pass	PK	763.32M	32.11	46.00	-13.89	3	Vertical	0	1.00
2440MHz_TX	Pass	PK	945.68M	33.35	46.00	-12.65	3	Vertical	0	1.00
2440MHz_TX	Pass	PK	33.88M	25.81	40.00	-14.19	3	Horizontal	360	1.00
2440MHz_TX	Pass	PK	171.62M	25.59	43.50	-17.91	3	Horizontal	360	1.00
2440MHz_TX	Pass	PK	202.66M	29.05	43.50	-14.45	3	Horizontal	360	1.00
2440MHz_TX	Pass	PK	239.52M	29.42	46.00	-16.58	3	Horizontal	360	1.00
2440MHz_TX	Pass	PK	383.08M	25.00	46.00	-21.00	3	Horizontal	360	1.00
2440MHz_TX	Pass	PK	621.7M	25.84	46.00	-20.16	3	Horizontal	360	1.00

2.4-2.4835GHz_BT-LE(2Mbps)

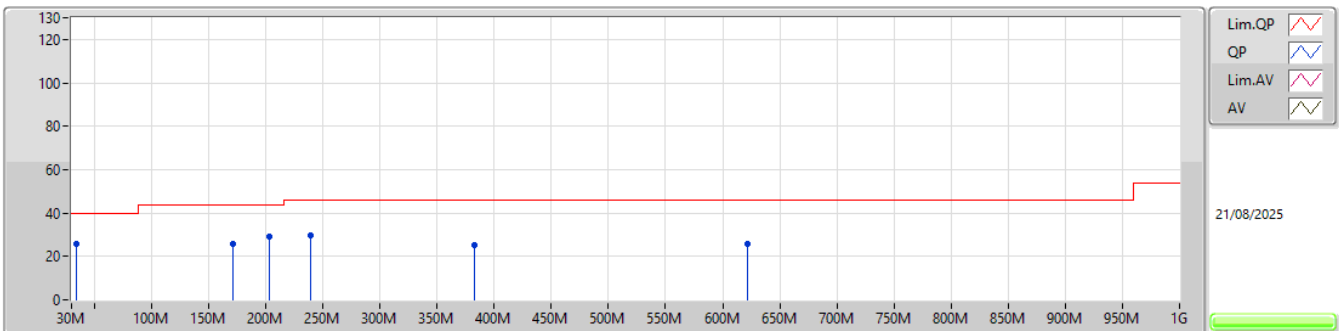
2440MHz_TX



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)
PK	31.94M	21.08	40.00	-18.92	-14.06	3	Vertical	0	1.00	35.14	22.53	0.63	37.22
PK	204.6M	30.94	43.50	-12.56	-20.55	3	Vertical	0	1.00	51.49	14.01	1.68	36.24
PK	367.56M	31.60	46.00	-14.40	-14.39	3	Vertical	0	1.00	45.99	19.80	2.32	36.51
PK	503.36M	22.52	46.00	-23.48	-11.30	3	Vertical	0	1.00	33.82	22.84	2.79	36.93
PK	763.32M	32.11	46.00	-13.89	-6.67	3	Vertical	0	1.00	38.78	27.22	3.52	37.41
PK	945.68M	33.35	46.00	-12.65	-3.79	3	Vertical	0	1.00	37.14	29.55	4.05	37.39

2.4-2.4835GHz_BT-LE(2Mbps)

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)
PK	33.88M	25.81	40.00	-14.19	-14.94	3	Horizontal	360	1.00	40.75	21.60	0.66	37.20
PK	171.62M	25.59	43.50	-17.91	-20.22	3	Horizontal	360	1.00	45.81	14.61	1.51	36.34
PK	202.66M	29.05	43.50	-14.45	-20.55	3	Horizontal	360	1.00	49.60	14.02	1.67	36.24
PK	239.52M	29.42	46.00	-16.58	-18.34	3	Horizontal	360	1.00	47.76	16.09	1.82	36.25
PK	383.08M	25.00	46.00	-21.00	-13.91	3	Horizontal	360	1.00	38.91	20.27	2.36	36.54
PK	621.7M	25.84	46.00	-20.16	-8.97	3	Horizontal	360	1.00	34.81	25.09	3.13	37.19



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	2.4946G	50.57	54.00	-3.43	3	Vertical	66	1.50
BT-LE(2Mbps)	Pass	AV	2.4866G	51.18	54.00	-2.82	3	Horizontal	63	2.94

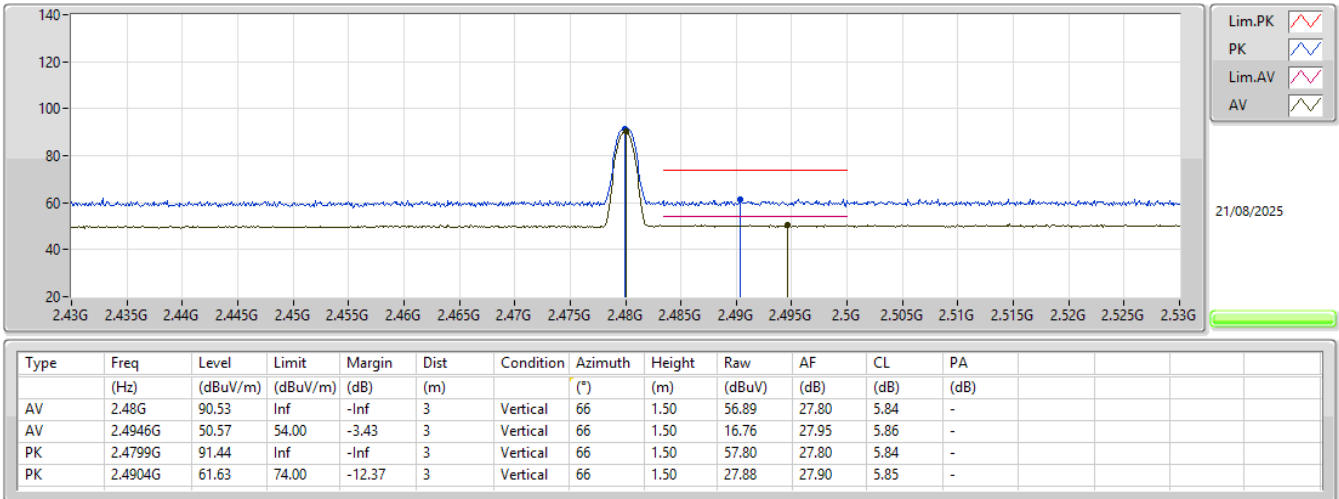
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz_TX	Pass	AV	2.3836G	49.60	54.00	-4.40	3	Vertical	95	1.00
2402MHz_TX	Pass	AV	2.402G	95.73	Inf	-Inf	3	Vertical	95	1.00
2402MHz_TX	Pass	PK	2.379G	60.46	74.00	-13.54	3	Vertical	95	1.00
2402MHz_TX	Pass	PK	2.4017G	95.93	Inf	-Inf	3	Vertical	95	1.00
2402MHz_TX	Pass	AV	2.3867G	49.45	54.00	-4.55	3	Horizontal	69	3.00
2402MHz_TX	Pass	AV	2.402G	99.37	Inf	-Inf	3	Horizontal	69	3.00
2402MHz_TX	Pass	PK	2.3857G	60.07	74.00	-13.93	3	Horizontal	69	3.00
2402MHz_TX	Pass	PK	2.4023G	100.29	Inf	-Inf	3	Horizontal	69	3.00
2402MHz_TX	Pass	AV	4.8042G	38.63	54.00	-15.37	3	Vertical	278	2.25
2402MHz_TX	Pass	PK	4.8039G	49.40	74.00	-24.60	3	Vertical	278	2.25
2402MHz_TX	Pass	AV	4.80362G	37.34	54.00	-16.66	3	Horizontal	268	2.48
2402MHz_TX	Pass	PK	4.80431G	48.42	74.00	-25.58	3	Horizontal	268	2.48
2440MHz_TX	Pass	AV	2.3884G	49.28	54.00	-4.72	3	Vertical	105	2.74
2440MHz_TX	Pass	AV	2.44G	96.61	Inf	-Inf	3	Vertical	105	2.74
2440MHz_TX	Pass	AV	2.4964G	50.34	54.00	-3.66	3	Vertical	105	2.74
2440MHz_TX	Pass	PK	2.349G	60.90	74.00	-13.10	3	Vertical	105	2.74
2440MHz_TX	Pass	PK	2.4402G	97.77	Inf	-Inf	3	Vertical	105	2.74
2440MHz_TX	Pass	PK	2.487G	60.75	74.00	-13.25	3	Vertical	105	2.74
2440MHz_TX	Pass	AV	2.3852G	49.41	54.00	-4.59	3	Horizontal	72	2.95
2440MHz_TX	Pass	AV	2.4402G	98.59	Inf	-Inf	3	Horizontal	72	2.95
2440MHz_TX	Pass	AV	2.4886G	50.53	54.00	-3.47	3	Horizontal	72	2.95
2440MHz_TX	Pass	PK	2.3624G	59.95	74.00	-14.05	3	Horizontal	72	2.95
2440MHz_TX	Pass	PK	2.4402G	100.06	Inf	-Inf	3	Horizontal	72	2.95
2440MHz_TX	Pass	PK	2.4932G	61.33	74.00	-12.67	3	Horizontal	72	2.95
2440MHz_TX	Pass	AV	4.87994G	37.12	54.00	-16.88	3	Vertical	184	1.50
2440MHz_TX	Pass	PK	4.87959G	48.61	74.00	-25.39	3	Vertical	184	1.50
2440MHz_TX	Pass	AV	4.87984G	36.89	54.00	-17.11	3	Horizontal	143	1.00
2440MHz_TX	Pass	PK	4.88034G	49.09	74.00	-24.91	3	Horizontal	143	1.00
2480MHz_TX	Pass	AV	2.48G	90.53	Inf	-Inf	3	Vertical	66	1.50
2480MHz_TX	Pass	AV	2.4946G	50.57	54.00	-3.43	3	Vertical	66	1.50
2480MHz_TX	Pass	PK	2.4799G	91.44	Inf	-Inf	3	Vertical	66	1.50
2480MHz_TX	Pass	PK	2.4904G	61.63	74.00	-12.37	3	Vertical	66	1.50
2480MHz_TX	Pass	AV	2.48G	99.51	Inf	-Inf	3	Horizontal	75	2.85
2480MHz_TX	Pass	AV	2.4922G	50.54	54.00	-3.46	3	Horizontal	75	2.85
2480MHz_TX	Pass	PK	2.4797G	100.37	Inf	-Inf	3	Horizontal	75	2.85
2480MHz_TX	Pass	PK	2.4969G	61.68	74.00	-12.32	3	Horizontal	75	2.85
2480MHz_TX	Pass	AV	4.95939G	37.18	54.00	-16.82	3	Vertical	200	1.74
2480MHz_TX	Pass	PK	4.95925G	48.28	74.00	-25.72	3	Vertical	200	1.74
2480MHz_TX	Pass	AV	4.96015G	37.39	54.00	-16.61	3	Horizontal	149	2.27
2480MHz_TX	Pass	PK	4.9605G	48.62	74.00	-25.38	3	Horizontal	149	2.27
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz_TX	Pass	AV	2.3858G	50.09	54.00	-3.91	3	Vertical	105	2.79
2402MHz_TX	Pass	AV	2.402G	94.63	Inf	-Inf	3	Vertical	105	2.79
2402MHz_TX	Pass	PK	2.3522G	60.96	74.00	-13.04	3	Vertical	105	2.79
2402MHz_TX	Pass	PK	2.402G	97.13	Inf	-Inf	3	Vertical	105	2.79
2402MHz_TX	Pass	AV	2.3818G	50.22	54.00	-3.78	3	Horizontal	69	3.00
2402MHz_TX	Pass	AV	2.402G	97.84	Inf	-Inf	3	Horizontal	69	3.00
2402MHz_TX	Pass	PK	2.3712G	60.46	74.00	-13.54	3	Horizontal	69	3.00
2402MHz_TX	Pass	PK	2.402G	100.31	Inf	-Inf	3	Horizontal	69	3.00
2402MHz_TX	Pass	AV	4.80395G	38.42	54.00	-15.58	3	Vertical	278	2.51
2402MHz_TX	Pass	PK	4.80497G	48.31	74.00	-25.69	3	Vertical	278	2.51
2402MHz_TX	Pass	AV	4.80451G	37.15	54.00	-16.85	3	Horizontal	258	3.00
2402MHz_TX	Pass	PK	4.80473G	48.01	74.00	-25.99	3	Horizontal	258	3.00
2440MHz_TX	Pass	AV	2.352G	49.87	54.00	-4.13	3	Vertical	105	2.74
2440MHz_TX	Pass	AV	2.44G	94.30	Inf	-Inf	3	Vertical	105	2.74
2440MHz_TX	Pass	AV	2.4896G	50.98	54.00	-3.02	3	Vertical	105	2.74
2440MHz_TX	Pass	PK	2.354G	59.99	74.00	-14.01	3	Vertical	105	2.74
2440MHz_TX	Pass	PK	2.44G	96.65	Inf	-Inf	3	Vertical	105	2.74
2440MHz_TX	Pass	PK	2.4952G	61.35	74.00	-12.65	3	Vertical	105	2.74
2440MHz_TX	Pass	AV	2.3592G	50.05	54.00	-3.95	3	Horizontal	63	2.94

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2440MHz_TX	Pass	AV	2.44G	97.15	Inf	-Inf	3	Horizontal	63	2.94
2440MHz_TX	Pass	AV	2.4866G	51.18	54.00	-2.82	3	Horizontal	63	2.94
2440MHz_TX	Pass	PK	2.3436G	60.44	74.00	-13.56	3	Horizontal	63	2.94
2440MHz_TX	Pass	PK	2.44G	99.50	Inf	-Inf	3	Horizontal	63	2.94
2440MHz_TX	Pass	PK	2.4988G	61.69	74.00	-12.31	3	Horizontal	63	2.94
2440MHz_TX	Pass	AV	4.88024G	37.45	54.00	-16.55	3	Vertical	199	2.37
2440MHz_TX	Pass	PK	4.88019G	48.09	74.00	-25.91	3	Vertical	199	2.37
2440MHz_TX	Pass	AV	4.87926G	37.45	54.00	-16.55	3	Horizontal	189	1.50
2440MHz_TX	Pass	PK	4.88071G	48.27	74.00	-25.73	3	Horizontal	189	1.50
2480MHz_TX	Pass	AV	2.48G	94.90	Inf	-Inf	3	Vertical	105	3.00
2480MHz_TX	Pass	AV	2.4988G	51.04	54.00	-2.96	3	Vertical	105	3.00
2480MHz_TX	Pass	PK	2.48G	97.01	Inf	-Inf	3	Vertical	105	3.00
2480MHz_TX	Pass	PK	2.4879G	61.30	74.00	-12.70	3	Vertical	105	3.00
2480MHz_TX	Pass	AV	2.48G	98.28	Inf	-Inf	3	Horizontal	75	2.85
2480MHz_TX	Pass	AV	2.4864G	51.17	54.00	-2.83	3	Horizontal	75	2.85
2480MHz_TX	Pass	PK	2.4799G	100.44	Inf	-Inf	3	Horizontal	75	2.85
2480MHz_TX	Pass	PK	2.4893G	61.50	74.00	-12.50	3	Horizontal	75	2.85
2480MHz_TX	Pass	AV	4.9602G	37.55	54.00	-16.45	3	Vertical	184	1.50
2480MHz_TX	Pass	PK	4.95988G	48.25	74.00	-25.75	3	Vertical	184	1.50
2480MHz_TX	Pass	AV	4.95938G	37.46	54.00	-16.54	3	Horizontal	18	1.50
2480MHz_TX	Pass	PK	4.96075G	49.13	74.00	-24.87	3	Horizontal	18	1.50

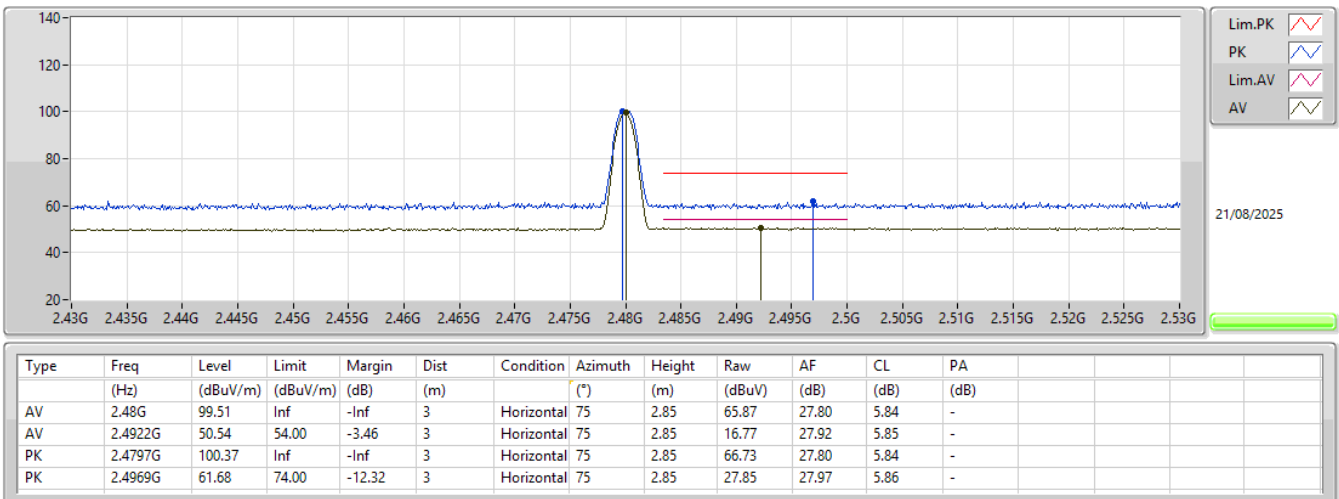
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



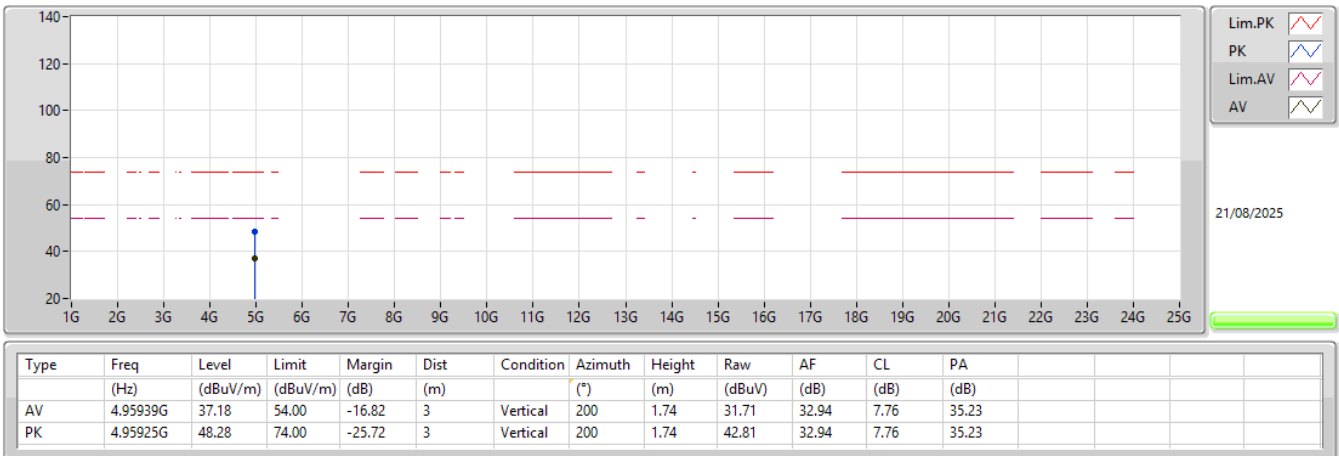
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



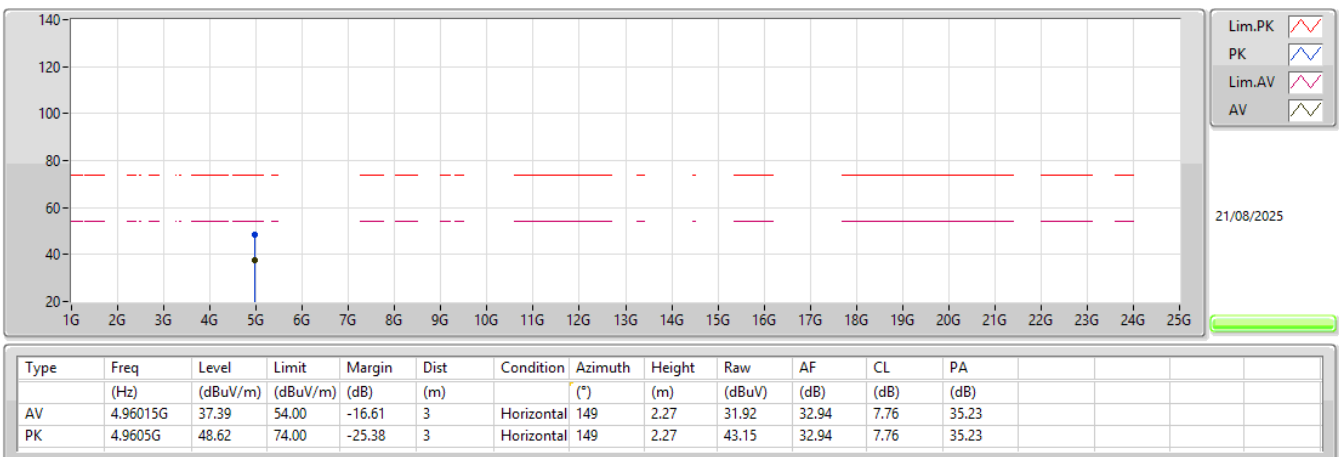
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



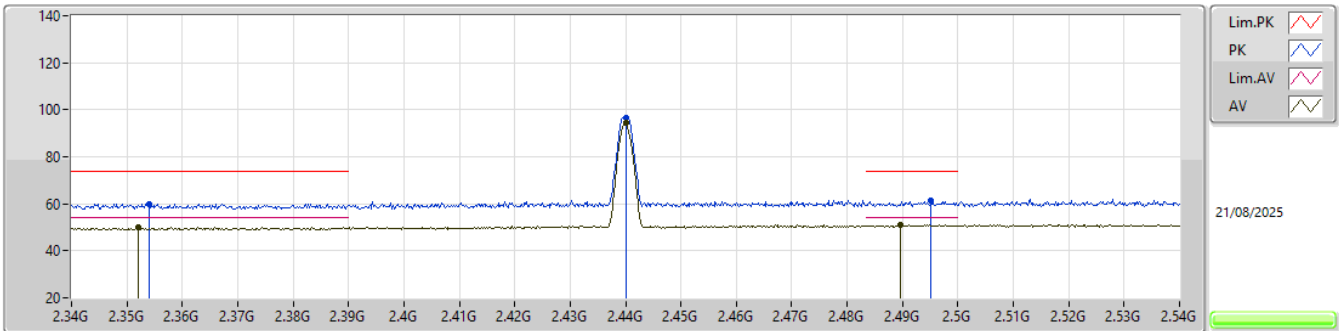
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

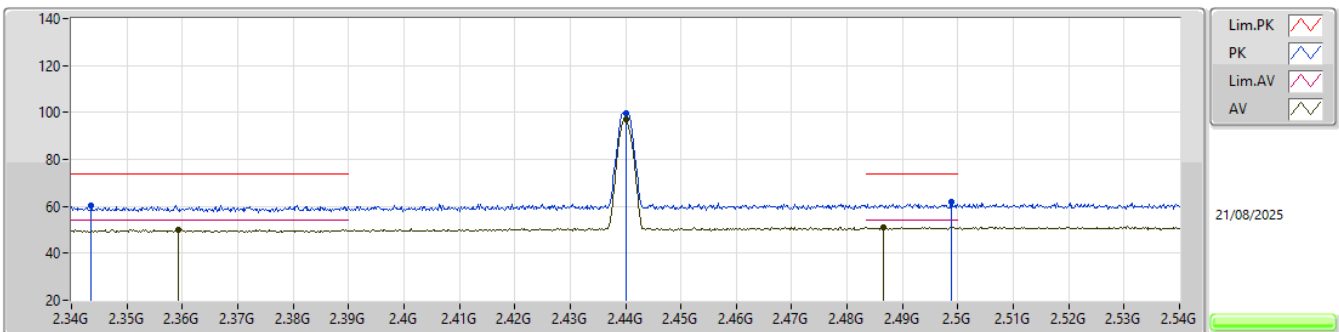
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.352G	49.87	54.00	-4.13	3	Vertical	105	2.74	16.85	27.30	5.72	-
AV	2.44G	94.30	Inf	-Inf	3	Vertical	105	2.74	60.99	27.50	5.81	-
AV	2.4896G	50.98	54.00	-3.02	3	Vertical	105	2.74	17.23	27.90	5.85	-
PK	2.354G	59.99	74.00	-14.01	3	Vertical	105	2.74	26.97	27.30	5.72	-
PK	2.44G	96.65	Inf	-Inf	3	Vertical	105	2.74	63.34	27.50	5.81	-
PK	2.4952G	61.35	74.00	-12.65	3	Vertical	105	2.74	27.54	27.95	5.86	-

2.4-2.4835GHz_BT-LE(2Mbps)

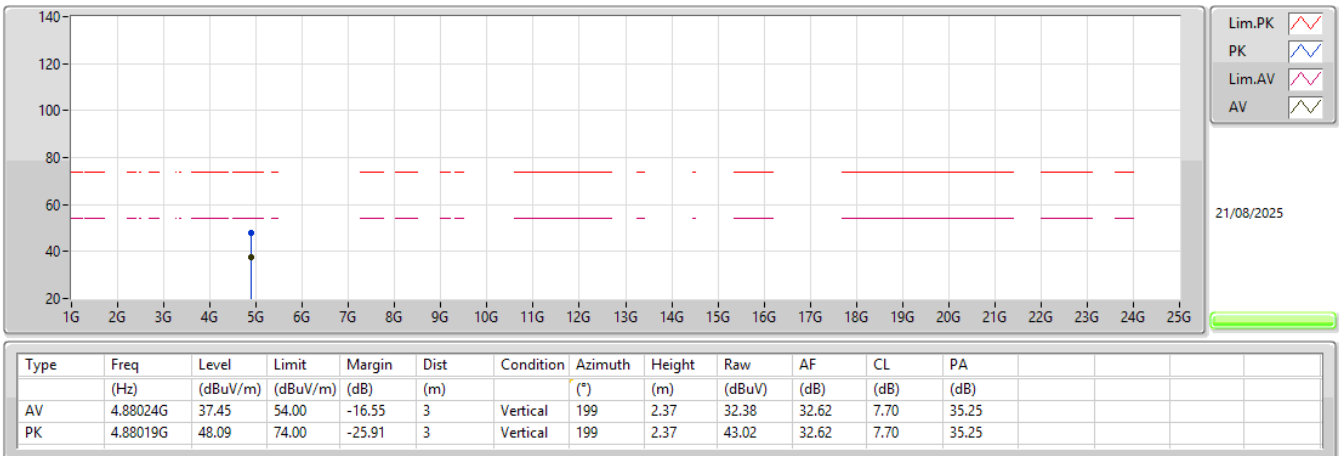
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3592G	50.05	54.00	-3.95	3	Horizontal	63	2.94	17.02	27.30	5.73	-
AV	2.44G	97.15	Inf	-Inf	3	Horizontal	63	2.94	63.84	27.50	5.81	-
AV	2.4866G	51.18	54.00	-2.82	3	Horizontal	63	2.94	17.46	27.87	5.85	-
PK	2.3436G	60.44	74.00	-13.56	3	Horizontal	63	2.94	27.49	27.24	5.71	-
PK	2.44G	99.50	Inf	-Inf	3	Horizontal	63	2.94	66.19	27.50	5.81	-
PK	2.4988G	61.69	74.00	-12.31	3	Horizontal	63	2.94	27.84	27.99	5.86	-

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

