

FCC Radio Test Report

FCC ID : 2AST4-M2518
Equipment : Jmate2
Brand Name : JACFIT
Model Name : JM102
Applicant : JSports TECHNOLOGY CO., LTD
18F., No.502, Sec. 2, Ren'ai Rd., Linkou Dist., New Taipei City
244020, Taiwan (R.O.C.)
Manufacturer : Chen Wei Electronics inc.
No.12, Nanyuan Rd., Zhongli Dist., Taoyuan City 32063,
Taiwan (R.O.C.)
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 23, 2025, and testing was started from Jul. 29, 2025 and completed on Aug. 29, 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: Sam Tsai

Report Producer: Amber Chiu

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	Gain (dBi)
1	ACX	AT1608-A2R4ZM31	PCB	N/A	3.67

For BT function:

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

Ant. 1 could transmit/receive.

1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
BT-LE(1Mbps)	0.856	0.68	2.139m	500
BT-LE(2Mbps)	0.581	2.36	1.083m	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	Jack Tang	21.2~22.5°C / 59~63%	31/Jul/2025
RF Conducted	TH01-HY	Sonic Li	22.7~22.9°C / 52~54%	29/Jul/2025
Radiated_ Above 1GHz	03CH03-HY	Simon Cheng	22.2~23.7°C / 50~53%	30/Jul/2025
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated_ Below 1 GHz	03CH25-HY	Henry Ho	21.8~23.4°C / 51~54%	29/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	nRF_DTM_x64 (1) V2.4.0
-----------------------	------------------------

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	4
2440MHz	4
2480MHz	4
BT-LE(2Mbps)	-
2402MHz	4
2440MHz	4
2480MHz	4

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	Test Fixture

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

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

2.3 Accessories

Accessories				
Battery	Brand Name	Chen Wei Electronics inc.	Model Name	402020/130mAh
	Manufacturer	HELIX CO., LTD.	SN	-
	Power Rating	3.7Vdc, 130_mAh	Type	Li-ion, Yes
USB Cable	Brand Name	Lian Ji	Model Name	S959-02U
	Manufacturer	-	SN	-
	Signal Line	0.8 meter, non-shielded cable, w/o ferrite core		

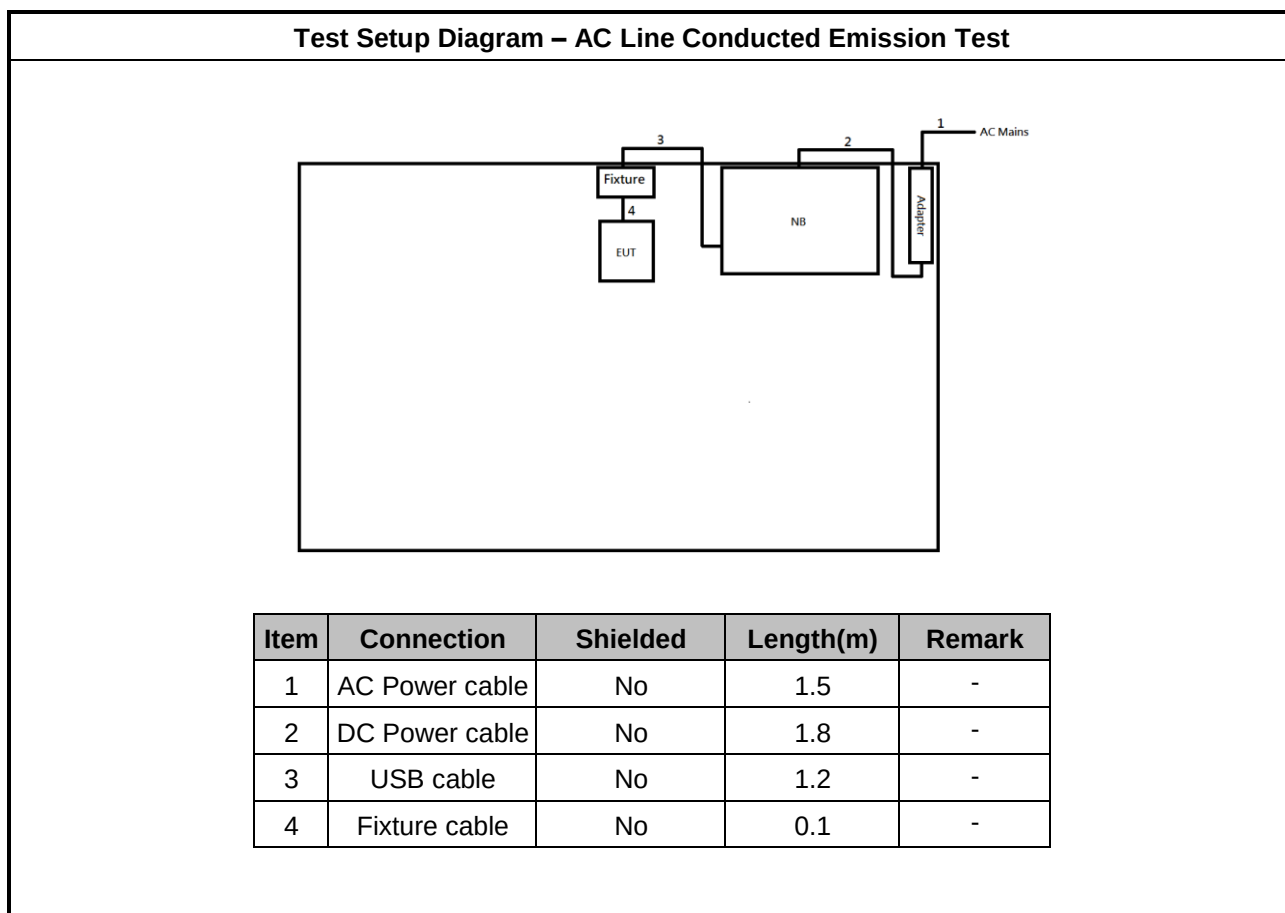
Reminder: Regarding to more detail and other information, please refer to user manual.

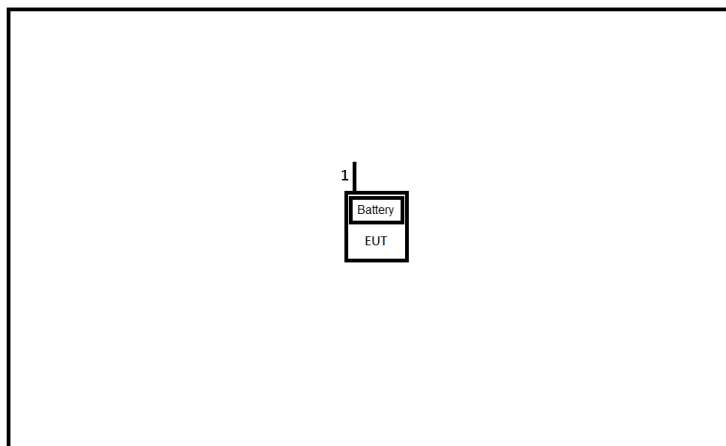
2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Fixture	JACFIT	0001-I-U-008-A	-	Provided by Customer
2	USB cable	Sporton	Sporton	-	Provided by Sporton
3	Notebook	DELL	Latitude 7290	-	-
4	NB Adapter	DELL	LA65NM130	-	-

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

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test_Battery Mode


Item	Connection	Shielded	Length(m)	Remark
1	Fixture cable	No	0.1	-

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

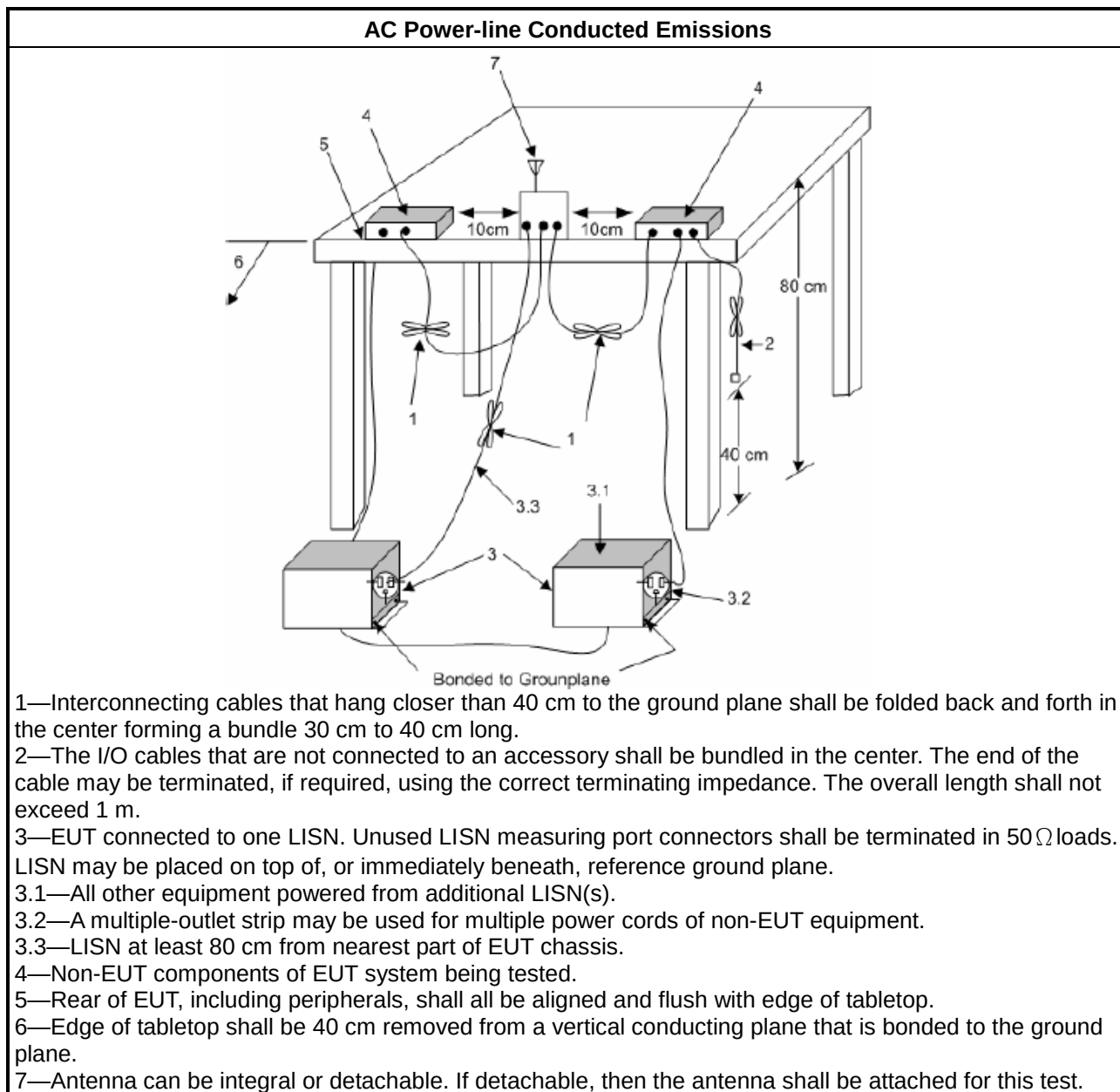
Test Method
▪ Refer as ANSI C63.10, clause 6.2 foray power-line conducted emissions.

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.

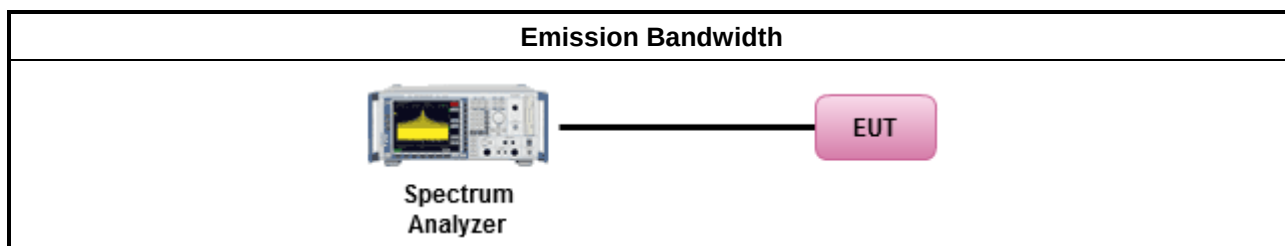
3.2.2 Measuring Instruments

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.	

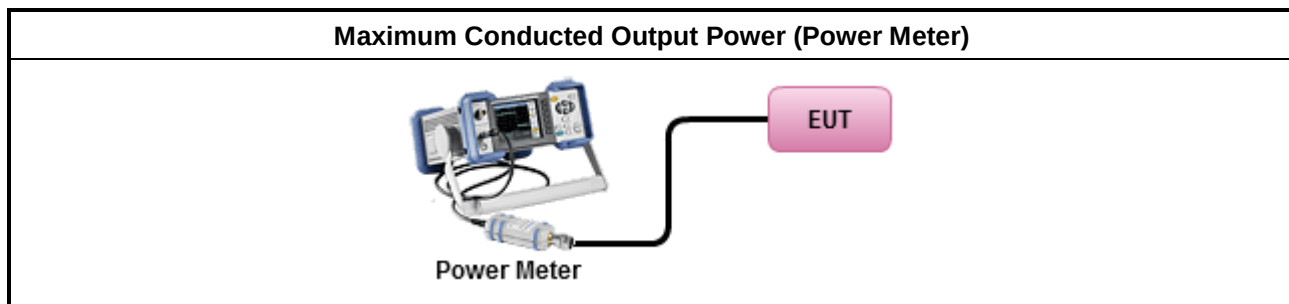
3.3.2 Measuring Instruments

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

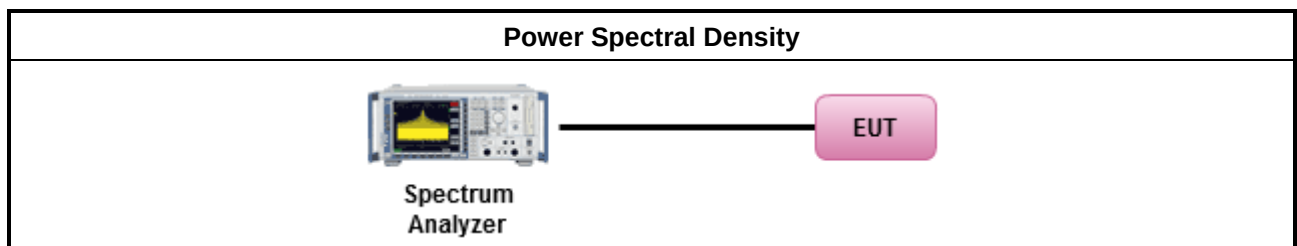
3.4.2 Measuring Instruments

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.	

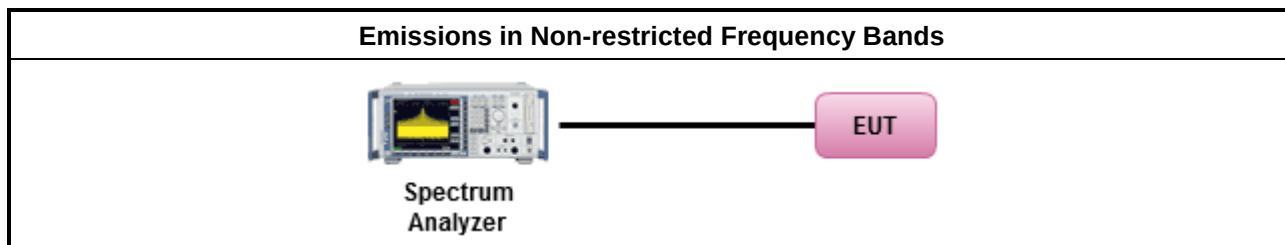
3.5.2 Measuring Instruments

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

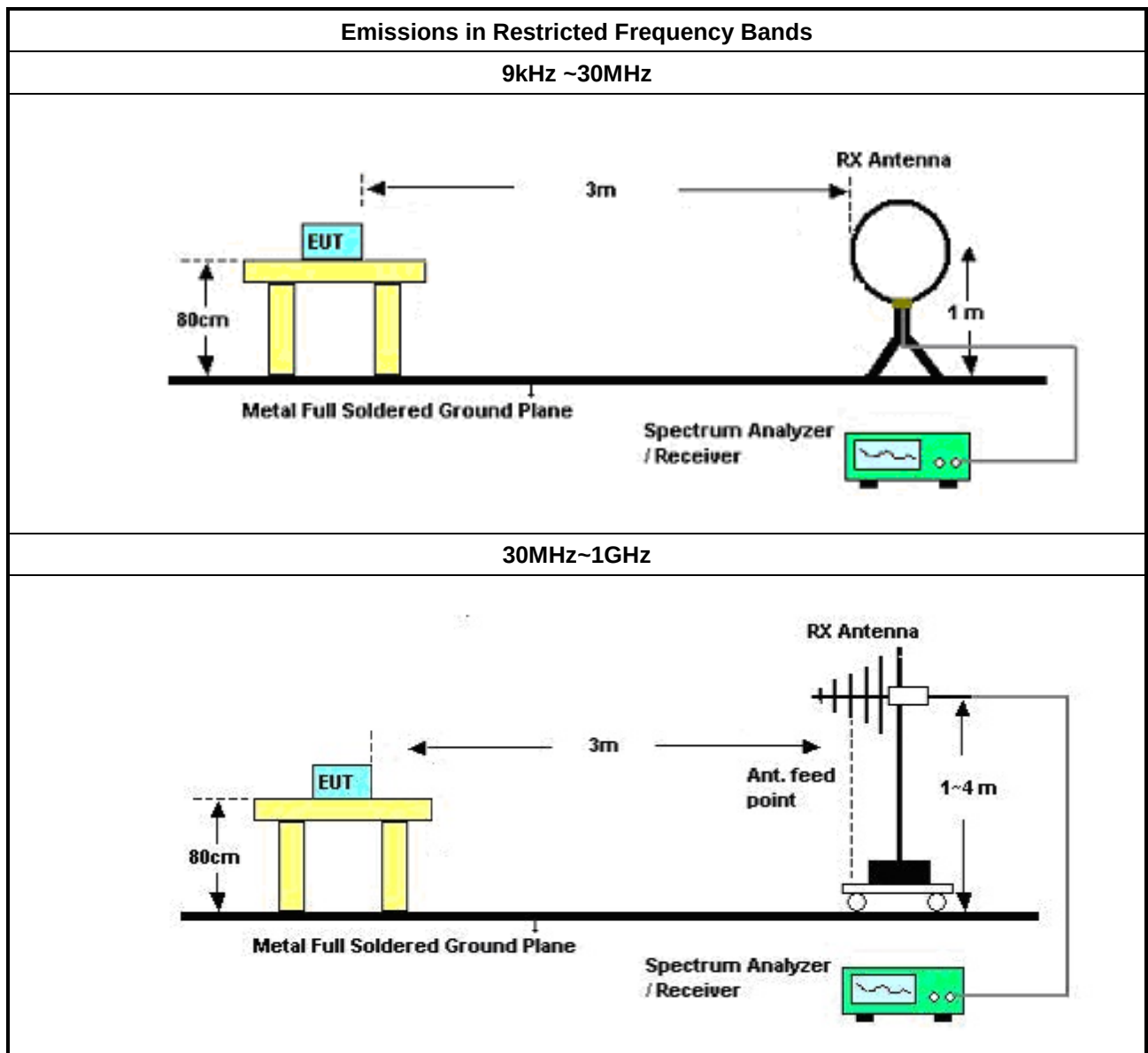
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

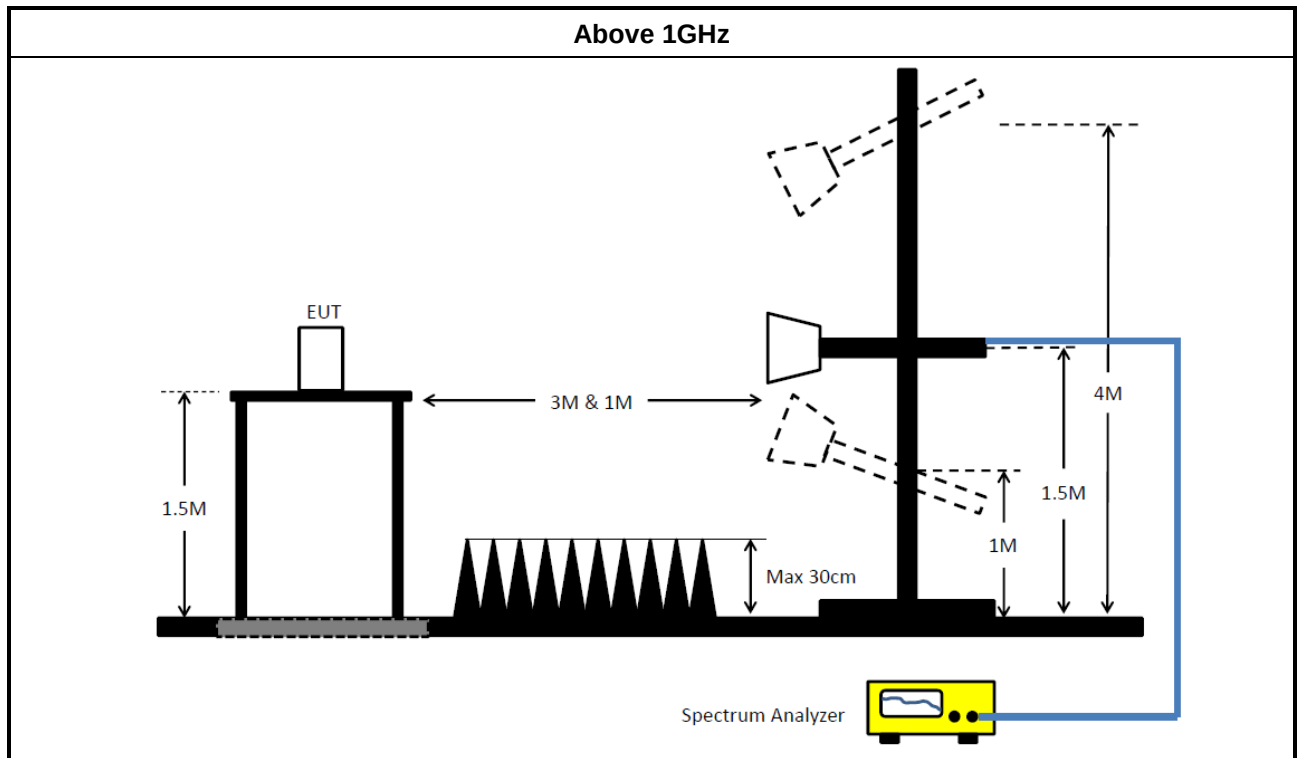
3.6.4 Measurement Results Calculation

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	V5.11.25	N/A	N/A	N/A	N/A

Instrument for Radiated Below 1GHz Test (03CH25-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	30MHz~1GHz 3m	18/Jul/2025	17/Jul/2026
ESR7 EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	06/Dec/2024	05/Dec/2025
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101410	10Hz~44GHz	18/Nov/2024	17/Nov/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63537/001	30MHz~1GHz	23/May/2025	22/May/2026
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	9kHz~1GHz	23/Apr/2025	22/Apr/2026
Preamplifier	SGH	PRAMP 903	20230515-1	25MHz~3GHz	21/May/2025	20/May/2026
SENSE-15247-FS	Sporton	V5.11.24	NA	NA	NA	NA

**Instrument for Radiated Above 1GHz (03CH03-HY)**

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
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101748	10Hz~44GHz	10/Apr/2025	09/Apr/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz~18GHz	18/Oct/2024	17/Oct/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	02/Jul/2025	01/Jul/2026
RF CABLE 5+8m	HUBER+SUHNER	SUOFLEX_104	03CH03-cable-03	1GHz~40GHz	19/May/2025	18/May/2026
Microwave Premplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	23/Jul/2025	22/Jul/2026
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	26/Apr/2025	25/Apr/2026
SENSE-15407_FS	Sporton	V5.11.23	NA	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

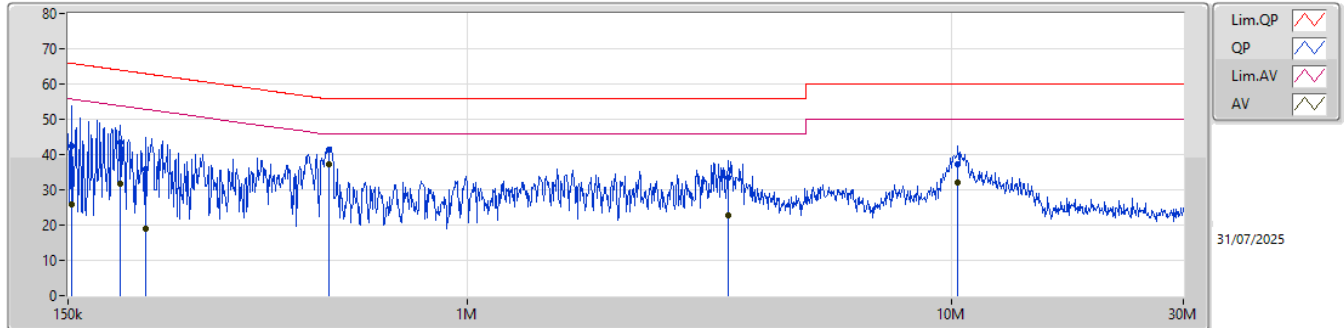
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	517.062k	37.33	46.00	-8.67	Line

Result

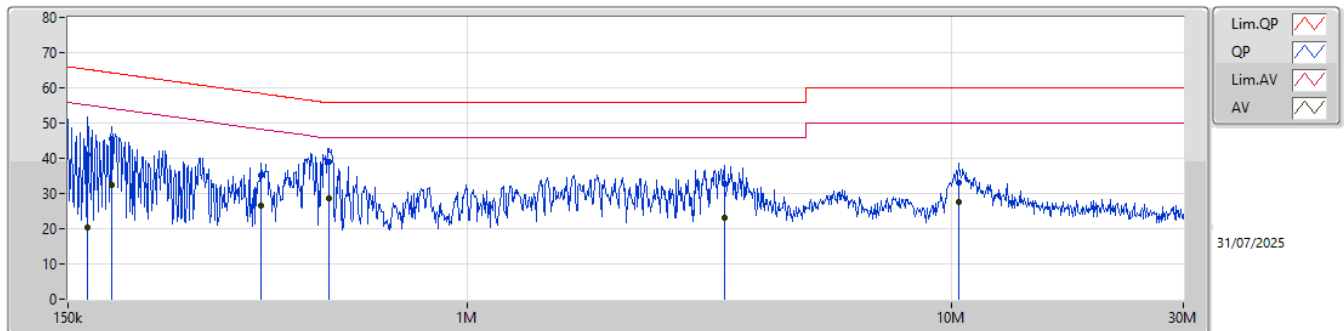
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	152.414k	42.57	65.87	-23.30	Line
Mode 1	Pass	AV	152.414k	25.97	55.87	-29.90	Line
Mode 1	Pass	QP	192.124k	43.59	63.93	-20.34	Line
Mode 1	Pass	AV	192.124k	31.83	53.93	-22.10	Line
Mode 1	Pass	QP	216.567k	35.75	62.94	-27.19	Line
Mode 1	Pass	AV	216.567k	18.81	52.94	-34.13	Line
Mode 1	Pass	QP	517.062k	41.40	56.00	-14.60	Line
Mode 1	Pass	AV	517.062k	37.33	46.00	-8.67	Line
Mode 1	Pass	QP	3.458M	33.33	56.00	-22.67	Line
Mode 1	Pass	AV	3.458M	22.92	46.00	-23.08	Line
Mode 1	Pass	QP	10.282M	37.37	60.00	-22.63	Line
Mode 1	Pass	AV	10.282M	32.00	50.00	-18.00	Line
Mode 1	Pass	QP	164.425k	40.90	65.24	-24.34	Neutral
Mode 1	Pass	AV	164.425k	20.49	55.24	-34.75	Neutral
Mode 1	Pass	QP	184.605k	45.68	64.28	-18.60	Neutral
Mode 1	Pass	AV	184.605k	32.47	54.28	-21.81	Neutral
Mode 1	Pass	QP	374.207k	35.28	58.41	-23.13	Neutral
Mode 1	Pass	AV	374.207k	26.46	48.41	-21.95	Neutral
Mode 1	Pass	QP	517.062k	38.91	56.00	-17.09	Neutral
Mode 1	Pass	AV	517.062k	28.55	46.00	-17.45	Neutral
Mode 1	Pass	QP	3.389M	32.73	56.00	-23.27	Neutral
Mode 1	Pass	AV	3.389M	23.00	46.00	-23.00	Neutral
Mode 1	Pass	QP	10.323M	33.06	60.00	-26.94	Neutral
Mode 1	Pass	AV	10.323M	27.63	50.00	-22.37	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	152.414k	42.57	65.87	-23.30	19.61	Line	-	22.96	9.63	0.01	9.97						
AV	152.414k	25.97	55.87	-29.90	19.61	Line	-	6.36	9.63	0.01	9.97						
QP	192.124k	43.59	63.93	-20.34	19.61	Line	-	23.98	9.63	0.01	9.97						
AV	192.124k	31.83	53.93	-22.10	19.61	Line	-	12.22	9.63	0.01	9.97						
QP	216.567k	35.75	62.94	-27.19	19.61	Line	-	16.14	9.63	0.01	9.97						
AV	216.567k	18.81	52.94	-34.13	19.61	Line	-	-0.80	9.63	0.01	9.97						
QP	517.062k	41.40	56.00	-14.60	19.65	Line	-	21.75	9.63	0.04	9.98						
AV	517.062k	37.33	46.00	-8.67	19.65	Line	-	17.68	9.63	0.04	9.98						
QP	3.458M	33.33	56.00	-22.67	19.70	Line	-	13.63	9.67	0.05	9.98						
AV	3.458M	22.92	46.00	-23.08	19.70	Line	-	3.22	9.67	0.05	9.98						
QP	10.282M	37.37	60.00	-22.63	20.00	Line	-	17.37	9.78	0.24	9.98						
AV	10.282M	32.00	50.00	-18.00	20.00	Line	-	12.00	9.78	0.24	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	164.425k	40.90	65.24	-24.34	19.71	Neutral	-	21.19	9.73	0.01	9.97						
AV	164.425k	20.49	55.24	-34.75	19.71	Neutral	-	0.78	9.73	0.01	9.97						
QP	184.605k	45.68	64.28	-18.60	19.70	Neutral	-	25.98	9.72	0.01	9.97						
AV	184.605k	32.47	54.28	-21.81	19.70	Neutral	-	12.77	9.72	0.01	9.97						
QP	374.207k	35.28	58.41	-23.13	19.72	Neutral	-	15.56	9.71	0.03	9.98						
AV	374.207k	26.46	48.41	-21.95	19.72	Neutral	-	6.74	9.71	0.03	9.98						
QP	517.062k	38.91	56.00	-17.09	19.73	Neutral	-	19.18	9.71	0.04	9.98						
AV	517.062k	28.55	46.00	-17.45	19.73	Neutral	-	8.82	9.71	0.04	9.98						
QP	3.389M	32.73	56.00	-23.27	19.81	Neutral	-	12.92	9.78	0.05	9.98						
AV	3.389M	23.00	46.00	-23.00	19.81	Neutral	-	3.19	9.78	0.05	9.98						
QP	10.323M	33.06	60.00	-26.94	20.19	Neutral	-	12.87	9.97	0.24	9.98						
AV	10.323M	27.63	50.00	-22.37	20.19	Neutral	-	7.44	9.97	0.24	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)	766.25k	1.07M	1M07F1D	576.25k	1.056M
BT-LE(2Mbps)	1.34M	2.119M	2M12F1D	902.5k	2.085M

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

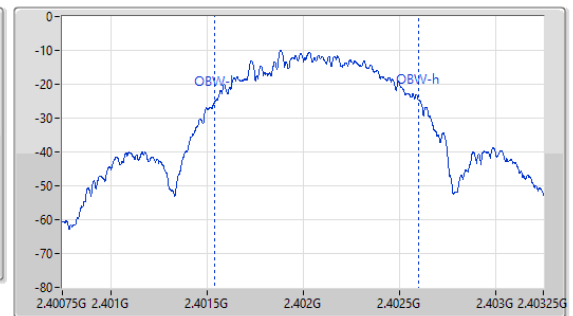
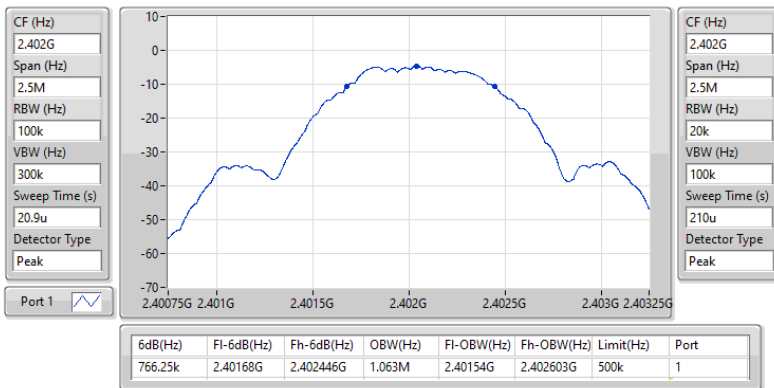
**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	766.25k	1.063M
2440MHz	Pass	500k	730k	1.056M
2480MHz	Pass	500k	576.25k	1.07M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.34M	2.085M
2440MHz	Pass	500k	902.5k	2.102M
2480MHz	Pass	500k	1.333M	2.119M

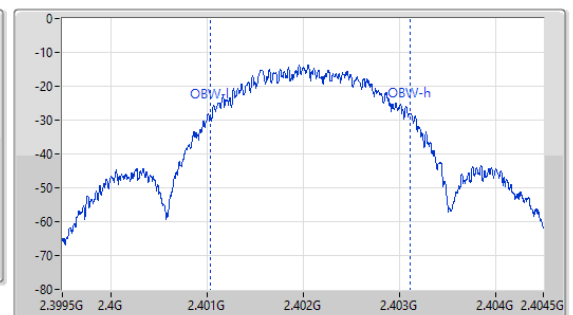
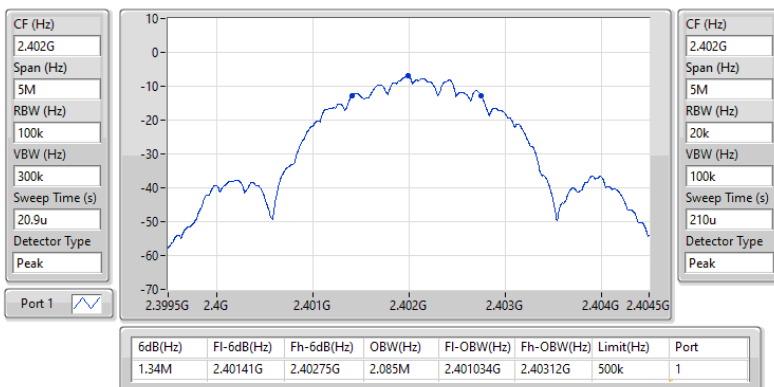
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2402MHz

29/07/2025


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

29/07/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	-3.20	0.00048
BT-LE(2Mbps)	-3.25	0.00047

**Result**

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.67	-3.20	30.00
2440MHz	Pass	3.67	-3.39	30.00
2480MHz	Pass	3.67	-3.71	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.67	-3.25	30.00
2440MHz	Pass	3.67	-3.44	30.00
2480MHz	Pass	3.67	-3.85	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)	-19.18
BT-LE(2Mbps)	-21.07

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.67	-19.18	8.00
2440MHz	Pass	3.67	-19.81	8.00
2480MHz	Pass	3.67	-20.07	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.67	-21.07	8.00
2440MHz	Pass	3.67	-21.29	8.00
2480MHz	Pass	3.67	-21.71	8.00

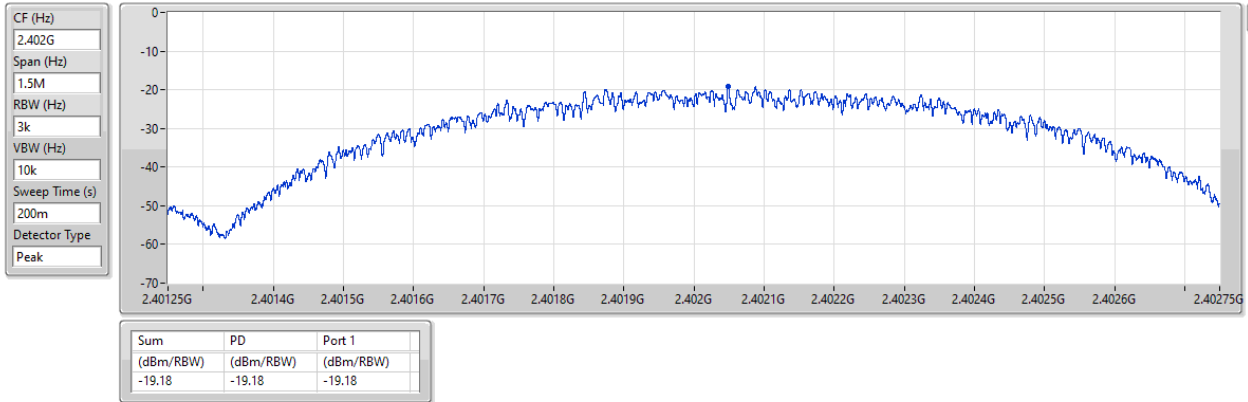
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2402MHz

29/07/2025

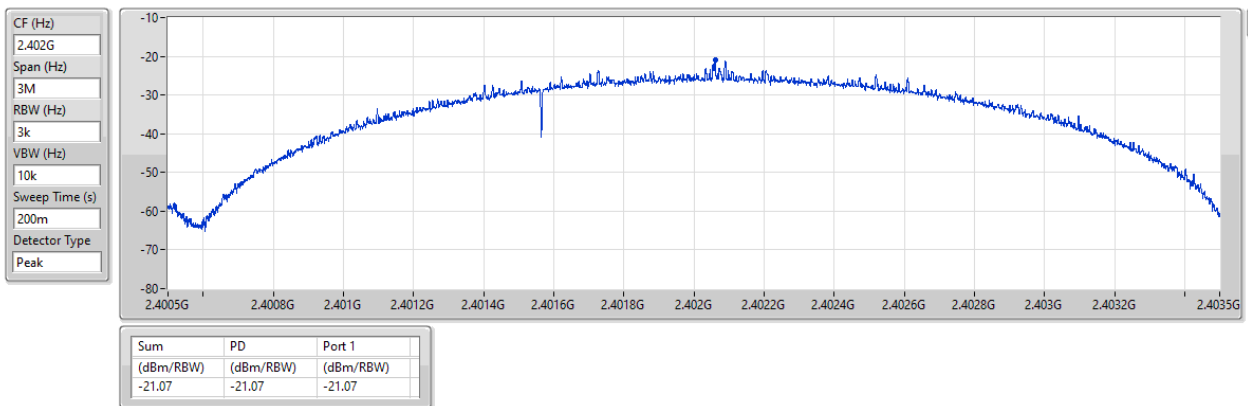


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

29/07/2025



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.40217G	-4.15	-34.15	2.14383G	-55.08	2.39984G	-49.27	2.4G	-50.66	2.50178G	-56.15	21.88423G	-44.34	1
BT-LE(2Mbps)	Pass	2.402G	-4.76	-34.76	1.73023G	-54.92	2.4G	-39.00	2.4G	-36.87	2.50218G	-55.42	21.82799G	-44.05	1

Result

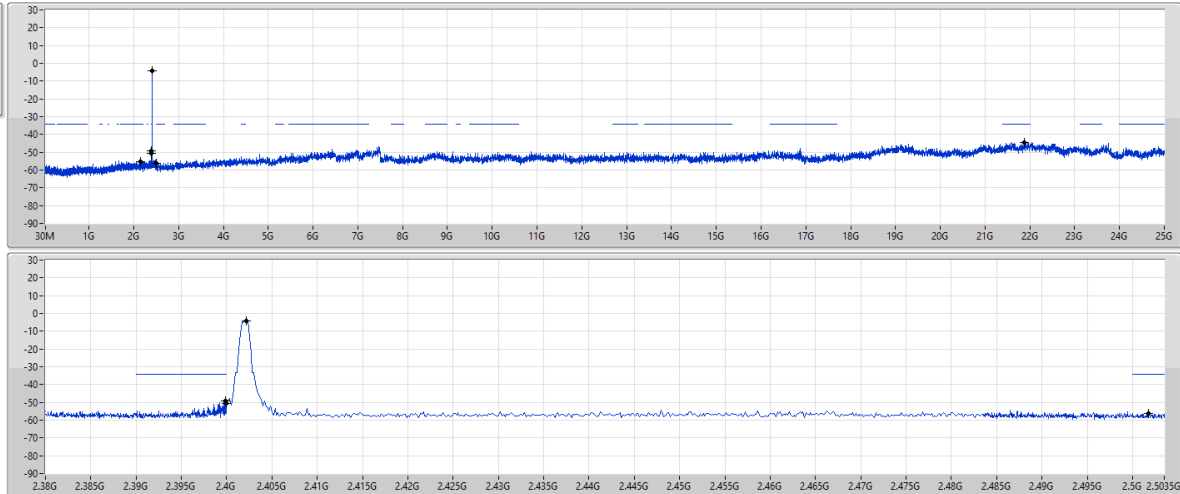
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40217G	-4.15	-34.15	2.14383G	-55.08	2.39984G	-49.27	2.4G	-50.66	2.50178G	-56.15	21.88423G	-44.34	1
2440MHz	Pass	2.40217G	-4.15	-34.15	2.13795G	-55.15	2.39756G	-54.08	2.4G	-57.34	2.50134G	-55.27	21.55804G	-44.21	1
2480MHz	Pass	2.40217G	-4.15	-34.15	2.17085G	-55.18	2.39348G	-54.82	2.4G	-58.02	2.50038G	-55.05	23.59678G	-44.92	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	-4.76	-34.76	1.73023G	-54.92	2.4G	-39.00	2.4G	-36.87	2.50218G	-55.42	21.82799G	-44.05	1
2440MHz	Pass	2.402G	-4.76	-34.76	1.96405G	-54.49	2.3952G	-54.65	2.4G	-57.90	2.50238G	-55.39	21.63677G	-43.25	1
2480MHz	Pass	2.402G	-4.76	-34.76	2.18025G	-55.11	2.39072G	-54.94	2.4G	-57.48	2.50066G	-55.98	21.98266G	-43.26	1

2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

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



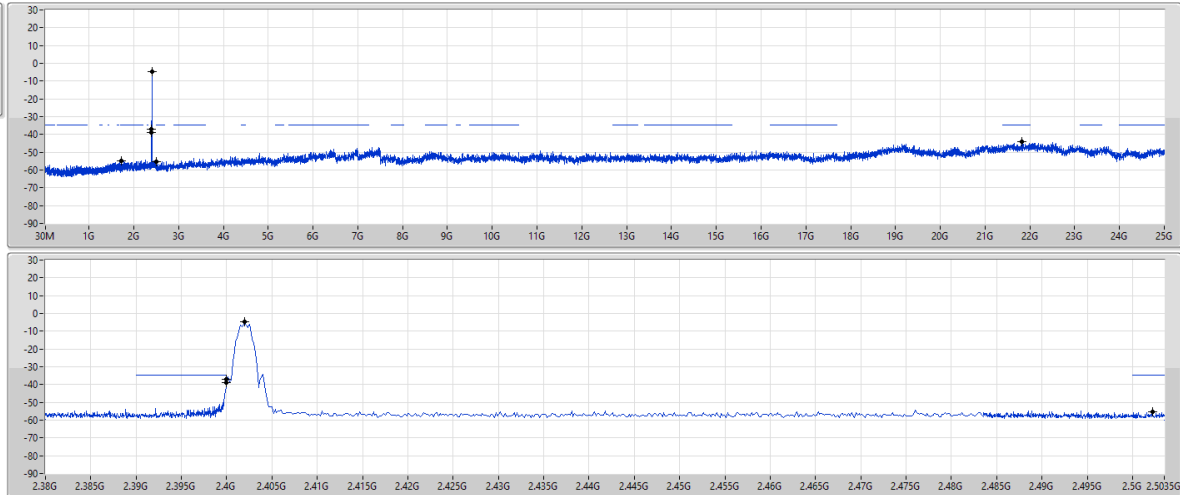
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40217G	-4.15	-34.15	2.14383G	-55.08	2.39984G	-49.27	2.4G	-50.66	2.50178G	-56.15	2.188423G	-44.34	1

2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

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
2.402G	-4.76	-34.76	1.73023G	-54.92	2.4G	-39.00	2.4G	-36.87	2.50218G	-55.42	2.182799G	-44.05	1



Summary

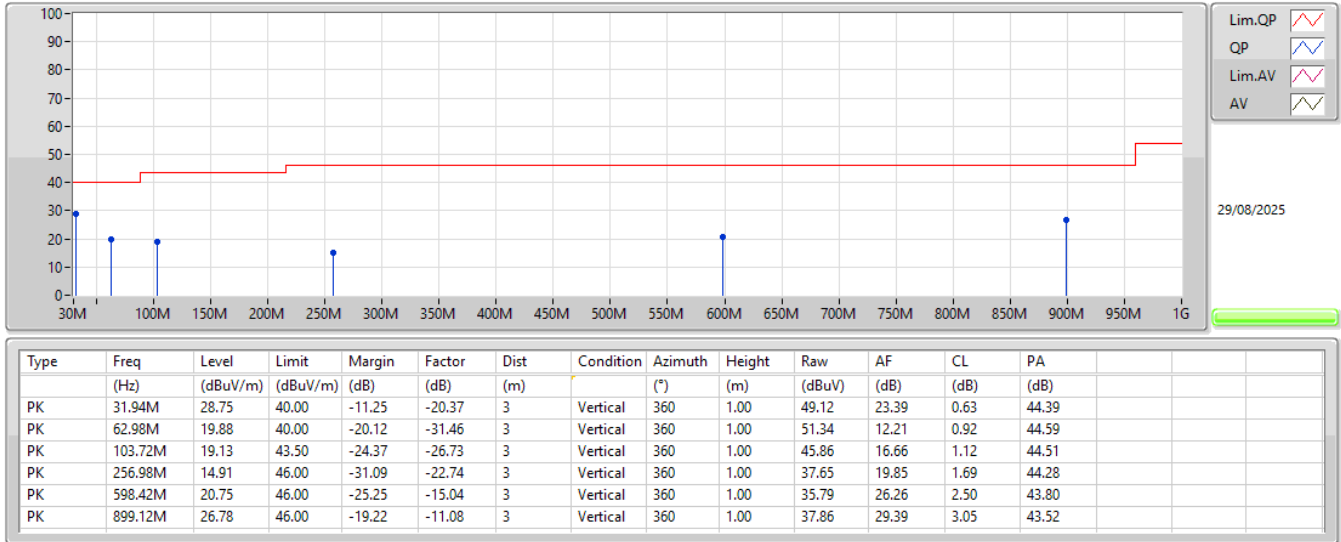
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	31.94M	28.75	40.00	-11.25	3	Vertical	360	1.00

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_Battery	Pass	PK	31.94M	28.75	40.00	-11.25	3	Vertical	360	1.00
2440MHz_Battery	Pass	PK	62.98M	19.88	40.00	-20.12	3	Vertical	360	1.00
2440MHz_Battery	Pass	PK	103.72M	19.13	43.50	-24.37	3	Vertical	360	1.00
2440MHz_Battery	Pass	PK	256.98M	14.91	46.00	-31.09	3	Vertical	360	1.00
2440MHz_Battery	Pass	PK	598.42M	20.75	46.00	-25.25	3	Vertical	360	1.00
2440MHz_Battery	Pass	PK	899.12M	26.78	46.00	-19.22	3	Vertical	360	1.00
2440MHz_Battery	Pass	PK	31.94M	17.44	40.00	-22.56	3	Horizontal	0	1.00
2440MHz_Battery	Pass	PK	119.24M	14.48	43.50	-29.02	3	Horizontal	0	1.00
2440MHz_Battery	Pass	PK	161.92M	14.68	43.50	-28.82	3	Horizontal	0	1.00
2440MHz_Battery	Pass	PK	264.74M	13.49	46.00	-32.51	3	Horizontal	0	1.00
2440MHz_Battery	Pass	PK	563.5M	19.74	46.00	-26.26	3	Horizontal	0	1.00
2440MHz_Battery	Pass	PK	710.94M	27.51	46.00	-18.49	3	Horizontal	0	1.00

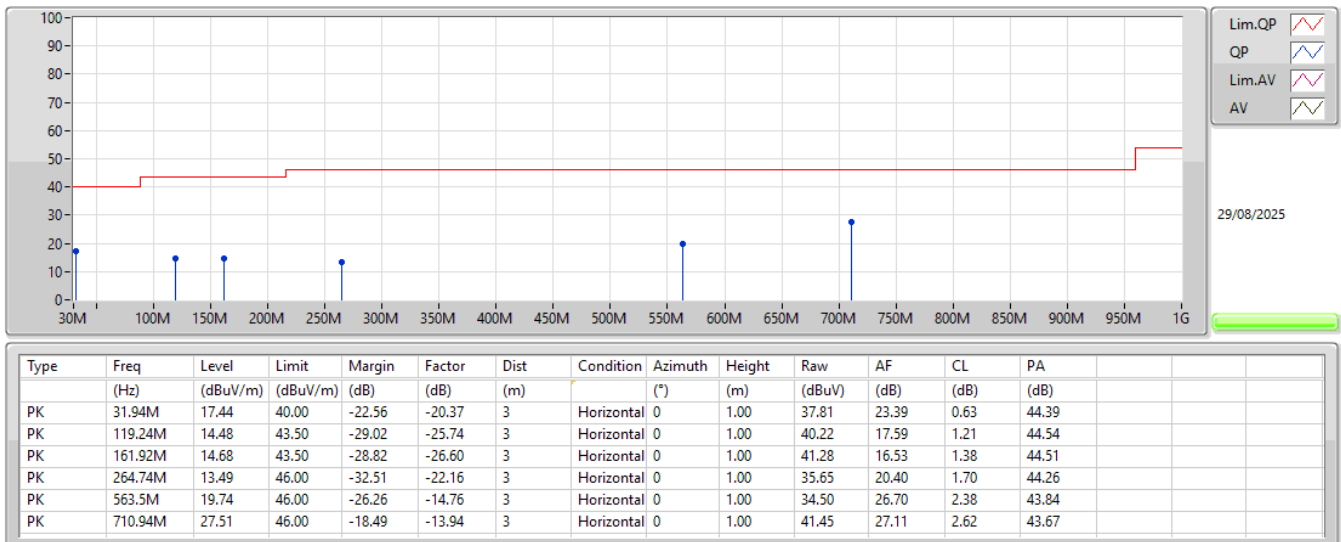
2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Battery



2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Battery





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	7.31953G	51.87	54.00	-2.13	3	Horizontal	174	2.43
BT-LE(2Mbps)	Pass	AV	7.32037G	51.03	54.00	-2.97	3	Horizontal	187	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)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3778G	49.83	54.00	-4.17	3	Horizontal	161	1.44
2402MHz	Pass	AV	2.4018G	93.90	Inf	-Inf	3	Horizontal	161	1.44
2402MHz	Pass	PK	2.3812G	58.11	74.00	-15.89	3	Horizontal	161	1.44
2402MHz	Pass	PK	2.4024G	94.41	Inf	-Inf	3	Horizontal	161	1.44
2402MHz	Pass	AV	4.80373G	46.00	54.00	-8.00	3	Horizontal	311	2.11
2402MHz	Pass	PK	4.80362G	49.78	74.00	-24.22	3	Vertical	311	2.11
2402MHz	Pass	AV	4.80365G	48.87	54.00	-5.13	3	Horizontal	213	1.00
2402MHz	Pass	PK	4.80413G	52.03	74.00	-21.97	3	Horizontal	213	1.00
2440MHz	Pass	AV	2.3888G	49.89	54.00	-4.11	3	Horizontal	127	2.92
2440MHz	Pass	AV	2.44G	96.51	Inf	-Inf	3	Horizontal	127	2.92
2440MHz	Pass	AV	2.4968G	50.58	54.00	-3.42	3	Horizontal	127	2.92
2440MHz	Pass	PK	2.3532G	57.82	74.00	-16.18	3	Horizontal	127	2.92
2440MHz	Pass	PK	2.4404G	97.04	Inf	-Inf	3	Horizontal	127	2.92
2440MHz	Pass	PK	2.496G	58.19	74.00	-15.81	3	Horizontal	127	2.92
2440MHz	Pass	AV	4.8796G	45.79	54.00	-8.21	3	Vertical	172	1.45
2440MHz	Pass	AV	7.3195G	49.59	54.00	-4.41	3	Vertical	163	2.15
2440MHz	Pass	PK	4.88014G	49.76	74.00	-24.24	3	Vertical	172	1.45
2440MHz	Pass	PK	7.31936G	54.49	74.00	-19.51	3	Vertical	163	2.15
2440MHz	Pass	AV	4.88007G	46.57	54.00	-7.43	3	Horizontal	212	1.11
2440MHz	Pass	AV	7.31953G	51.87	54.00	-2.13	3	Horizontal	174	2.43
2440MHz	Pass	PK	4.87965G	50.60	74.00	-23.40	3	Horizontal	212	1.11
2440MHz	Pass	PK	7.31942G	55.77	74.00	-18.23	3	Horizontal	174	2.43
2480MHz	Pass	AV	2.4798G	96.79	Inf	-Inf	3	Horizontal	164	1.73
2480MHz	Pass	AV	2.4846G	51.52	54.00	-2.48	3	Horizontal	164	1.73
2480MHz	Pass	PK	2.4804G	97.25	Inf	-Inf	3	Horizontal	164	1.73
2480MHz	Pass	PK	2.4835G	62.29	74.00	-11.71	3	Horizontal	164	1.73
2480MHz	Pass	AV	4.96011G	44.22	54.00	-9.78	3	Vertical	352	1.54
2480MHz	Pass	AV	7.4395G	49.02	54.00	-4.98	3	Vertical	14	1.00
2480MHz	Pass	PK	4.95959G	49.69	74.00	-24.31	3	Vertical	352	1.54
2480MHz	Pass	PK	7.43947G	53.81	74.00	-20.19	3	Vertical	14	1.00
2480MHz	Pass	AV	4.9596G	45.61	54.00	-8.39	3	Horizontal	160	1.28
2480MHz	Pass	AV	7.43944G	50.81	54.00	-3.19	3	Horizontal	177	2.46
2480MHz	Pass	PK	4.95993G	50.32	74.00	-23.68	3	Horizontal	160	1.28
2480MHz	Pass	PK	7.44027G	55.29	74.00	-18.71	3	Horizontal	177	2.46
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3636G	50.01	54.00	-3.99	3	Horizontal	161	1.45
2402MHz	Pass	AV	2.402G	93.29	Inf	-Inf	3	Horizontal	161	1.45
2402MHz	Pass	PK	2.378G	57.72	74.00	-16.28	3	Horizontal	161	1.45
2402MHz	Pass	PK	2.402G	94.31	Inf	-Inf	3	Horizontal	161	1.45
2402MHz	Pass	AV	4.8041G	45.23	54.00	-8.77	3	Vertical	310	1.50
2402MHz	Pass	PK	4.80323G	49.80	74.00	-24.20	3	Vertical	310	1.50
2402MHz	Pass	AV	4.8042G	48.06	54.00	-5.94	3	Horizontal	208	1.01
2402MHz	Pass	PK	4.80415G	51.80	74.00	-22.20	3	Horizontal	208	1.01
2440MHz	Pass	AV	2.3872G	49.53	54.00	-4.47	3	Horizontal	128	2.92
2440MHz	Pass	AV	2.44G	95.91	Inf	-Inf	3	Horizontal	128	2.92
2440MHz	Pass	AV	2.4952G	50.85	54.00	-3.15	3	Horizontal	128	2.92
2440MHz	Pass	PK	2.3848G	57.14	74.00	-16.86	3	Horizontal	128	2.92
2440MHz	Pass	PK	2.44G	96.97	Inf	-Inf	3	Horizontal	128	2.92
2440MHz	Pass	PK	2.4988G	57.66	74.00	-16.34	3	Horizontal	128	2.92
2440MHz	Pass	AV	4.88014G	45.69	54.00	-8.31	3	Vertical	172	1.49
2440MHz	Pass	AV	7.31868G	49.75	54.00	-4.25	3	Vertical	17	1.00
2440MHz	Pass	PK	4.87928G	50.06	74.00	-23.94	3	Vertical	172	1.49
2440MHz	Pass	PK	7.31877G	54.66	74.00	-19.34	3	Vertical	17	1.00
2440MHz	Pass	AV	4.88023G	46.09	54.00	-7.91	3	Horizontal	213	1.06
2440MHz	Pass	AV	7.32037G	51.03	54.00	-2.97	3	Horizontal	187	1.00
2440MHz	Pass	PK	4.8802G	50.27	74.00	-23.73	3	Horizontal	213	1.06
2440MHz	Pass	PK	7.32034G	55.72	74.00	-18.28	3	Horizontal	187	1.00
2480MHz	Pass	AV	2.48G	96.27	Inf	-Inf	3	Horizontal	163	1.75
2480MHz	Pass	AV	2.4836G	50.58	54.00	-3.42	3	Horizontal	163	1.75
2480MHz	Pass	PK	2.4802G	97.28	Inf	-Inf	3	Horizontal	163	1.75



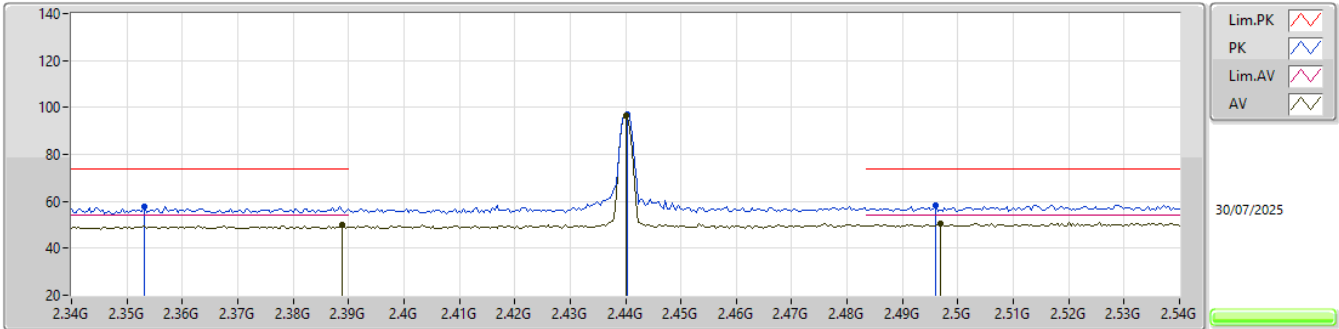
RSE TX above 1GHz

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2480MHz	Pass	PK	2.4846G	62.44	74.00	-11.56	3	Horizontal	163	1.75
2480MHz	Pass	AV	4.96017G	45.22	54.00	-8.78	3	Vertical	172	1.46
2480MHz	Pass	AV	7.43876G	48.13	54.00	-5.87	3	Vertical	349	1.04
2480MHz	Pass	PK	4.9605G	49.87	74.00	-24.13	3	Vertical	172	1.46
2480MHz	Pass	PK	7.44022G	53.68	74.00	-20.32	3	Vertical	349	1.04
2480MHz	Pass	AV	4.96018G	45.49	54.00	-8.51	3	Horizontal	169	1.27
2480MHz	Pass	AV	7.43878G	49.62	54.00	-4.38	3	Horizontal	188	1.04
2480MHz	Pass	PK	4.96008G	50.21	74.00	-23.79	3	Horizontal	169	1.27
2480MHz	Pass	PK	7.43879G	53.99	74.00	-20.01	3	Horizontal	188	1.04

2.4-2.4835GHz_BT-LE(1Mbps)

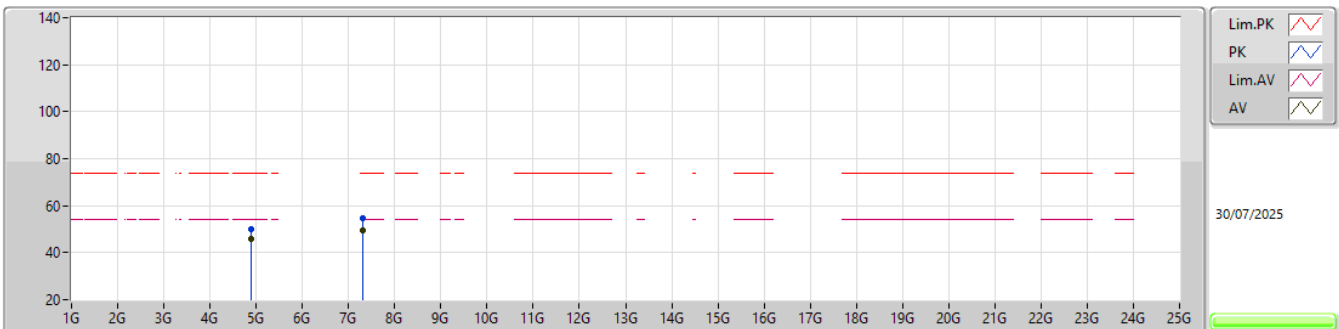
2440MHz_TX



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	2.3888G	49.89	54.00	-4.11	32.29	3	Horizontal	127	2.92	17.60	27.39	4.90	-
AV	2.44G	96.51	Inf	-Inf	32.55	3	Horizontal	127	2.92	63.96	27.60	4.95	-
AV	2.4968G	50.58	54.00	-3.42	33.01	3	Horizontal	127	2.92	17.57	28.00	5.01	-
PK	2.3532G	57.82	74.00	-16.18	32.16	3	Horizontal	127	2.92	25.66	27.30	4.86	-
PK	2.4404G	97.04	Inf	-Inf	32.55	3	Horizontal	127	2.92	64.49	27.60	4.95	-
PK	2.496G	58.19	74.00	-15.81	33.01	3	Horizontal	127	2.92	25.18	28.00	5.01	-

2.4-2.4835GHz_BT-LE(1Mbps)

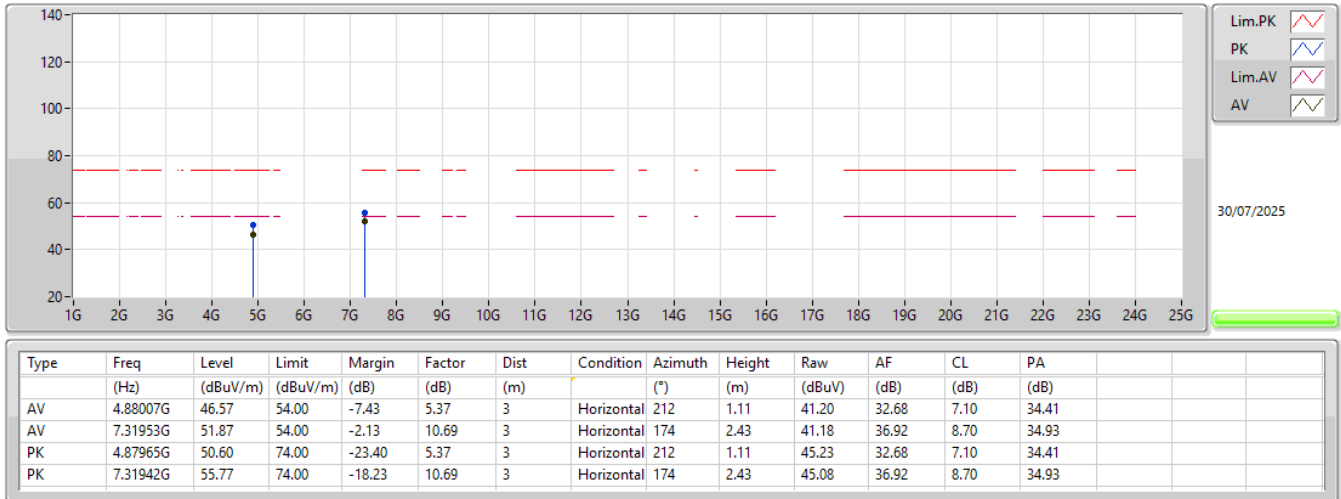
2440MHz_TX



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	4.8796G	45.79	54.00	-8.21	5.37	3	Vertical	172	1.45	40.42	32.68	7.10	34.41
AV	7.3195G	49.59	54.00	-4.41	10.69	3	Vertical	163	2.15	38.90	36.92	8.70	34.93
PK	4.88014G	49.76	74.00	-24.24	5.37	3	Vertical	172	1.45	44.39	32.68	7.10	34.41
PK	7.31936G	54.49	74.00	-19.51	10.69	3	Vertical	163	2.15	43.80	36.92	8.70	34.93

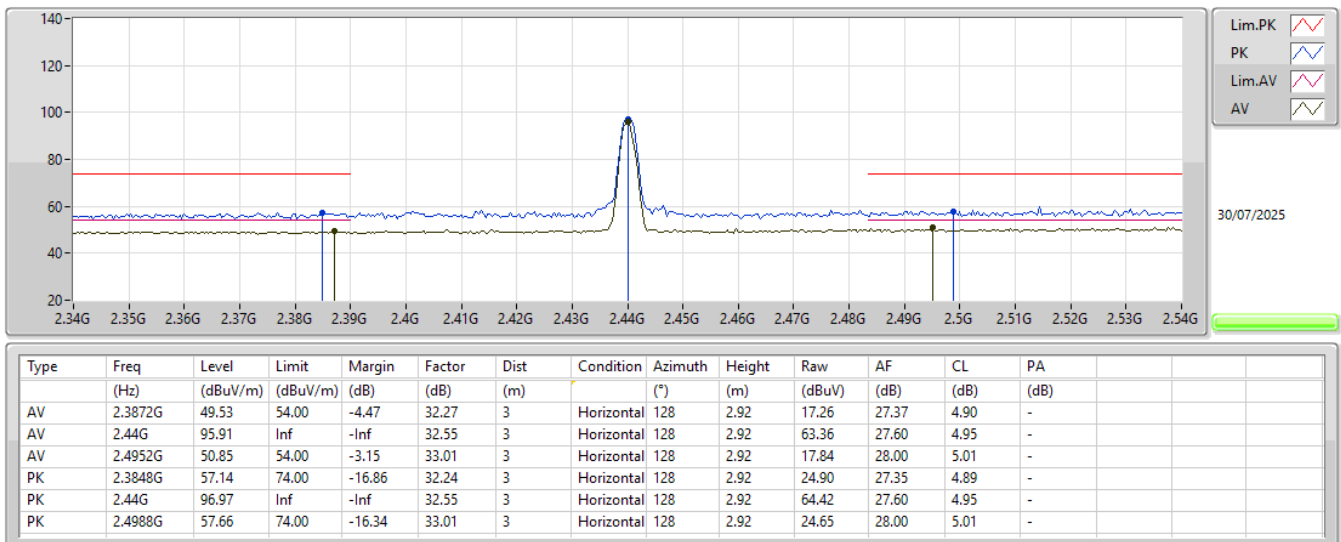
2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX



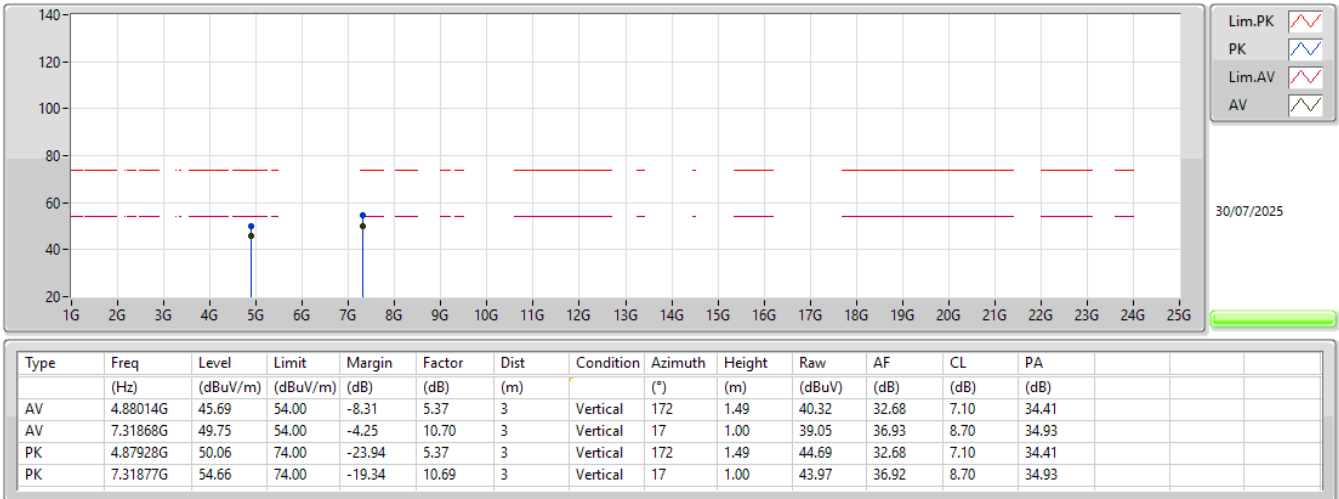
2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

