

FCC Radio Test Report

FCC ID : TX2-RTL8735BM
Equipment : 11n RTL8735BM combo module
Brand Name : REALTEK
Model Name : RTL8735BM
Applicant : Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu
Science Park, Hsinchu 300, Taiwan
Manufacturer : Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu
Science Park, Hsinchu 300, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Jan. 16, 2026, and testing was started from Mar. 11, 2026 and completed on Mar. 18, 2026. 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 + Errata to 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

TEL : 886-3-3273456
FAX : 886-3-3270973
Report Template No.: HE1-C10 Ver.4.5
FCC ID: TX2-RTL8735BM

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: Ryan Hsiao

Report Producer: Wendy Chen

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	Support
1	LYNwave	ALA110-222050-300011	PIFA	IPEX MHF4	2.4G+BT
2	WALSIN	RFDPA171320EMLB301	Dipole	IPEX MHF4	2.4G+BT
3	歐智通 FN-LINK TECHNOLOGY	233070001	Dipole	IPEX MHF4	2.4G+BT
4	同訊科技 KingRF Technology	KC.IA.00390	Dipole	IPEX MHF4	2.4G+BT

Ant.	Port	Gain (dBi)	
		2.4G	BT
1	1	3.5	3.5
2	1	3.14	3.14
3	1	2.95	2.95
4	1	2.95	2.95

Note 1: The EUT has four antennas.

For 2.4GHz function:

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

Ant. 1 (port 1), Ant. 2 (port 1), Ant. 3 (port 1) and Ant. 4 (port 1) could transmit/receive.

For BT function:

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

Ant. 1 (port 1), Ant. 2 (port 1), Ant. 3 (port 1) and Ant. 4 (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)	0.632	1.99	395.625u	3k
BT-LE(2Mbps)	0.335	4.75	210u	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 + Errata to 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	Lego Lin	17.5~19.2°C / 57~61%	18/Mar/2026
☒ 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	Rian Chung	23.1~24.2°C / 53~56%	11/Mar/2026
Radiated	03CH25-HY	Rian Chung	20.1~23.1°C / 50~53%	12/Mar/2026~17/Mar/2026

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	3.24 dB	Confidence levels of 95%
Conducted Output Power	1.12 dB	Confidence levels of 95%
Bandwidth	0.07 MHz	Confidence levels of 95%
Conducted Emission	1.12 dB	Confidence levels of 95%
Power Spectral Density	1.22 dB	Confidence levels of 95%
Radiated Emission (9 kHz ~ 30 MHz)	1.76 dB	Confidence levels of 95%
Radiated Emission (30 MHz ~ 1 GHz)	5.38 dB	Confidence levels of 95%
Radiated Emission (1 GHz ~ 18 GHz)	4.94 dB	Confidence levels of 95%
Radiated Emission (18 GHz ~ 40 GHz)	4.92 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Realtek Bluetooth MP Kit Setup Package
------------------------------	--

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	10
2440MHz	10
2480MHz	10
BT-LE(2Mbps)	-
2402MHz	10
2440MHz	10
2480MHz	10

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

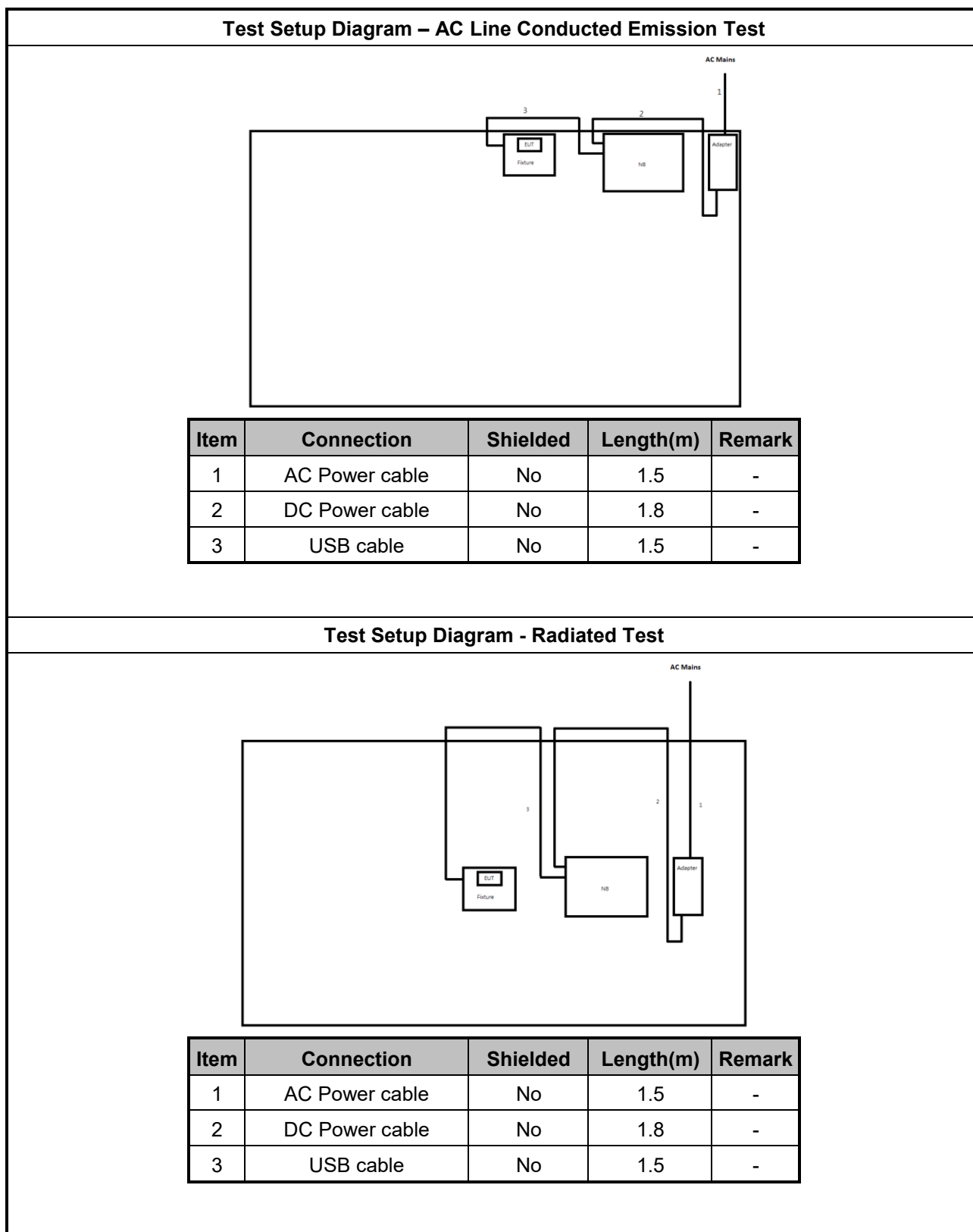
2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	Power sync	PW-GNB150	-	-
2	Adapter for NB	DELL	AA90PM111	-	-
3	USB cable	UGREEN	US289	-	-
4	Notebook	DELL	Latitude 7290	-	-
5	Fixture	REALTEK	AmebaPRO2 Adapter	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Fixture	REALTEK	AmebaPRO2 Adapter	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	Power sync	PW-GNB150	-	-
2	Adapter for NB	DELL	AA90PM111	-	-
3	USB cable	UGREEN	US289	-	-
4	Notebook	DELL	Latitude 7290	-	-
5	Fixture	REALTEK	AmebaPRO2 Adapter	-	Provided by Customer

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

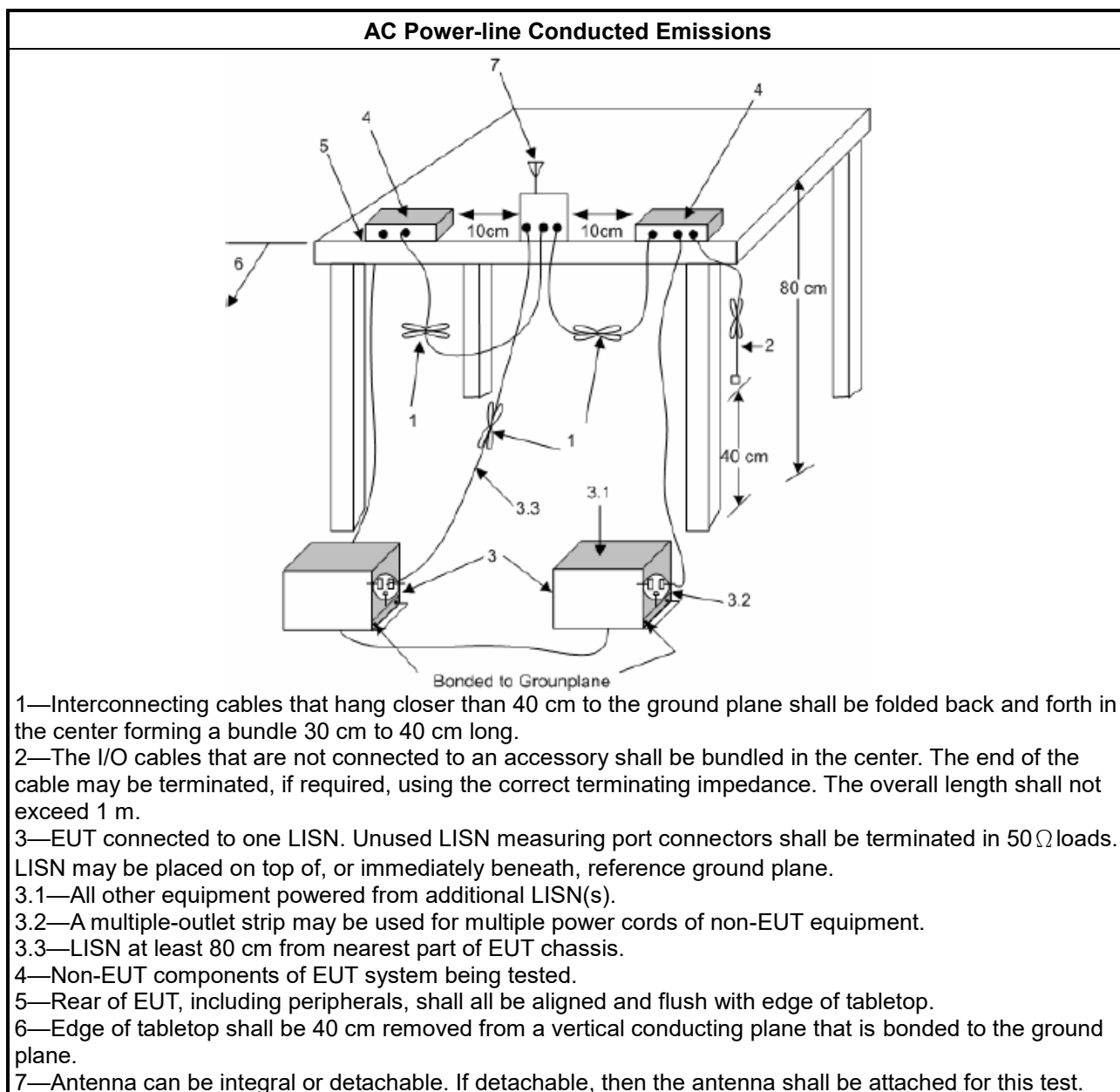
Test Method
Refer as ANSI C63.10, clause 6.2 foray power-line conducted emissions.

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.

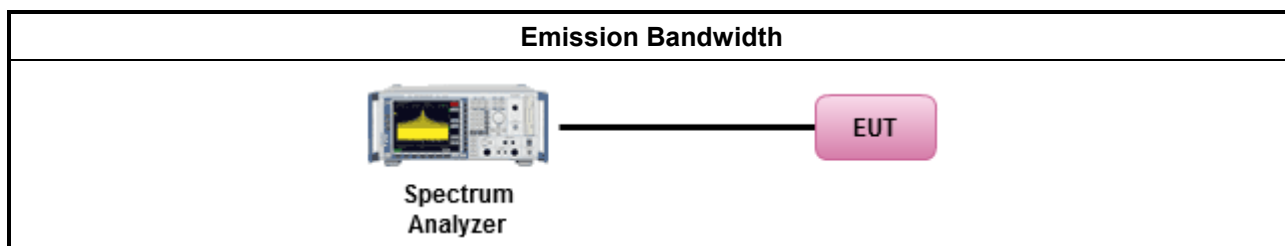
3.2.2 Measuring Instruments

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.	

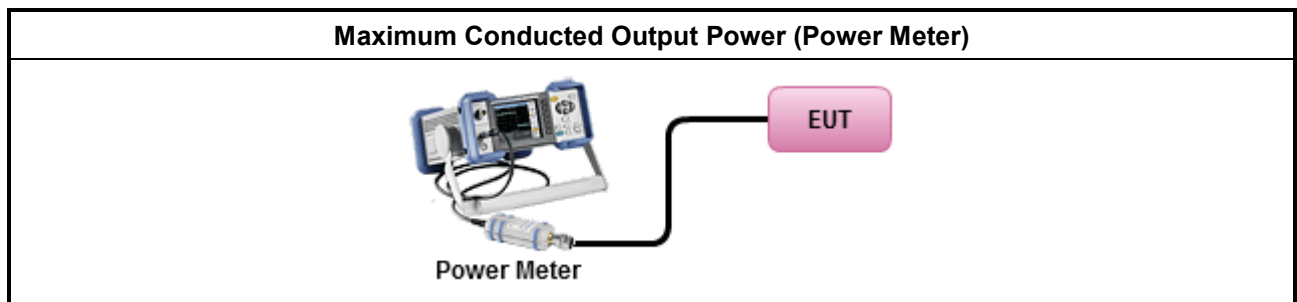
3.3.2 Measuring Instruments

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

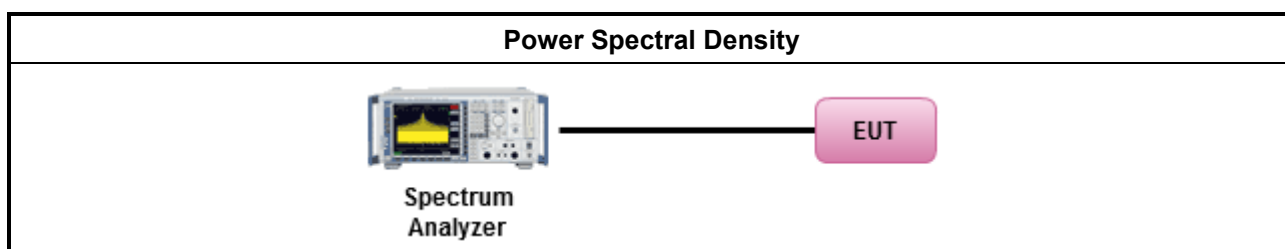
3.4.2 Measuring Instruments

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.	

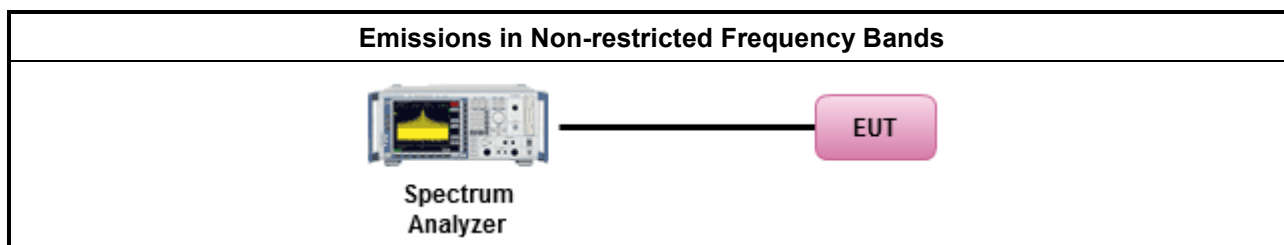
3.5.2 Measuring Instruments

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

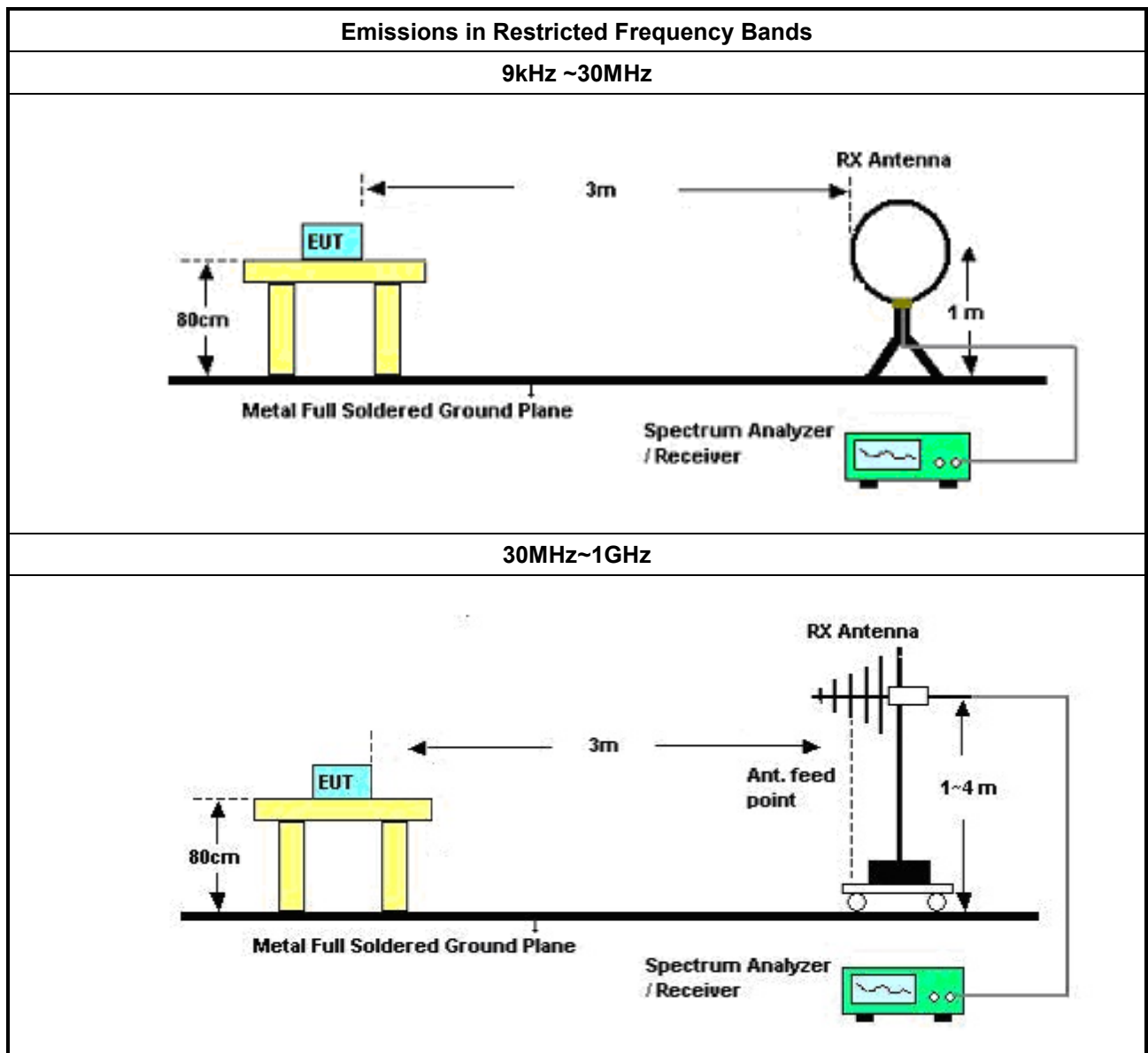
Test Method	
▪	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted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

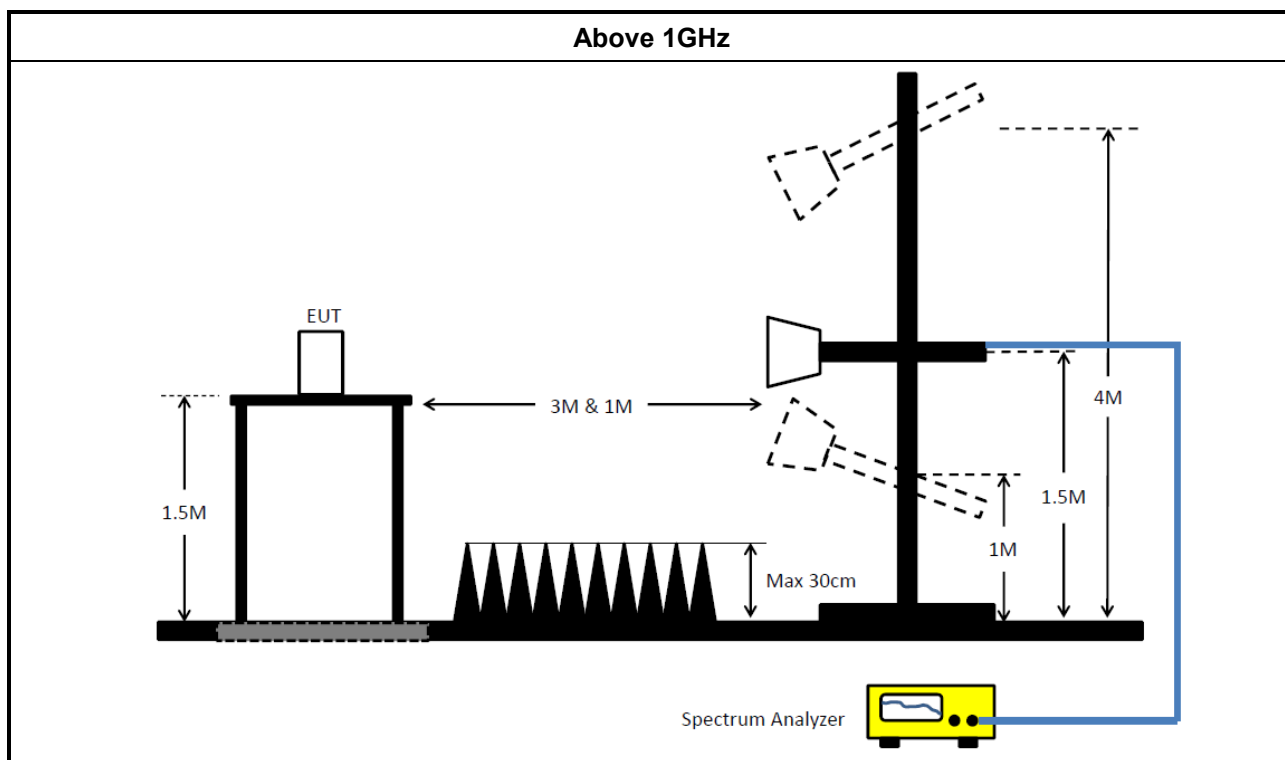
3.6.4 Measurement Results Calculation

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	101578	9kHz ~ 30MHz	24/Aug/2025	23/Aug/2026
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	25/Feb/2026	24/Feb/2027
Pulse Limiter	SCHWARZBECK	VTSD 9561F-N	1056	9kHz ~ 30MHz	25/Jun/2025	24/Jun/2026
SENSE-EMI	Sporton	V5.11.6	N/A	N/A	N/A	N/A

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV3044	101345	10Hz~44GHz	26/Aug/2025	25/Aug/2026
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	29/Oct/2025	28/Oct/2026
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	V5.11.24	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	03CH25-HY	30MHz~1GHz 3m	18/Jul/2025	17/Jul/2026
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	07/Aug/2025	06/Aug/2026
ESR7 EMI Test Receiver	ROHDE & SCHWARZ	ESR7	102956	9kHz~3.6GHz	26/Aug/2025	25/Aug/2026
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101410	10Hz~44GHz	19/Nov/2025	18/Nov/2026
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
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	02/Jul/2025	01/Jul/2026
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	07/Oct/2025	06/Oct/2026
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	9kHz~1GHz	23/Apr/2025	22/Apr/2026
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	10/Feb/2026	09/Feb/2027
Preamplifier	SGH	PRAMP 903	20230515-1	25MHz~3GHz	21/May/2025	20/May/2026
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz~18GHz	21/May/2025	20/May/2026
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	18/Apr/2025	17/Apr/2026
SENSE-15247-FS	Sporton	V5.11.24	NA	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

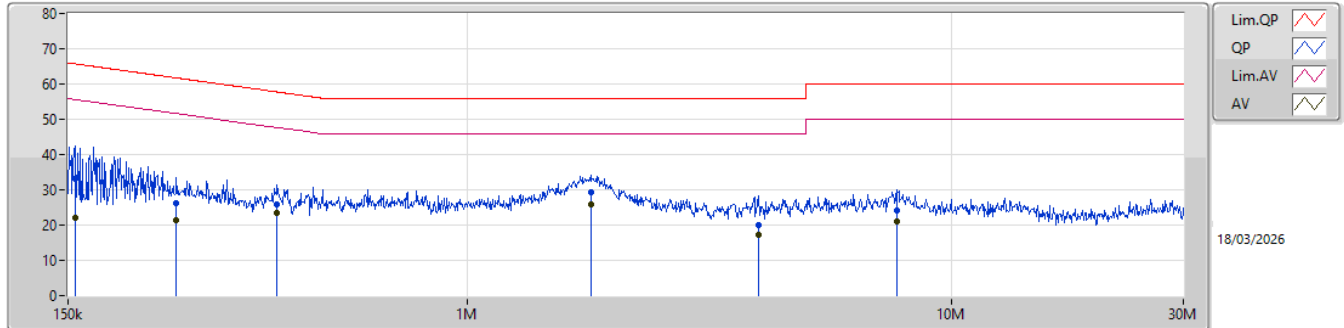
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	1.8M	25.73	46.00	-20.27	Line

Result

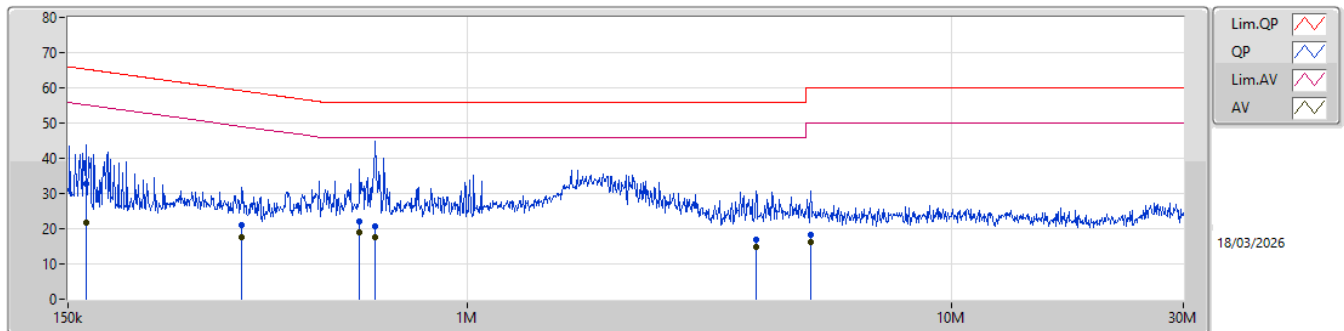
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	154.87k	33.04	65.73	-32.69	Line
Mode 1	Pass	AV	154.87k	21.96	55.73	-33.77	Line
Mode 1	Pass	QP	251.04k	26.21	61.72	-35.51	Line
Mode 1	Pass	AV	251.04k	21.48	51.72	-30.24	Line
Mode 1	Pass	QP	405.31k	25.79	57.74	-31.95	Line
Mode 1	Pass	AV	405.31k	23.48	47.74	-24.26	Line
Mode 1	Pass	QP	1.8M	29.36	56.00	-26.64	Line
Mode 1	Pass	AV	1.8M	25.73	46.00	-20.27	Line
Mode 1	Pass	QP	3.99M	20.02	56.00	-35.98	Line
Mode 1	Pass	AV	3.99M	17.25	46.00	-28.75	Line
Mode 1	Pass	QP	7.71M	23.98	60.00	-36.02	Line
Mode 1	Pass	AV	7.71M	20.97	50.00	-29.03	Line
Mode 1	Pass	QP	163.12k	32.88	65.29	-32.41	Neutral
Mode 1	Pass	AV	163.12k	21.81	55.29	-33.48	Neutral
Mode 1	Pass	QP	342.74k	21.09	59.14	-38.05	Neutral
Mode 1	Pass	AV	342.74k	17.57	49.14	-31.57	Neutral
Mode 1	Pass	QP	599.36k	22.09	56.00	-33.91	Neutral
Mode 1	Pass	AV	599.36k	19.01	46.00	-26.99	Neutral
Mode 1	Pass	QP	646.59k	20.78	56.00	-35.22	Neutral
Mode 1	Pass	AV	646.59k	17.53	46.00	-28.47	Neutral
Mode 1	Pass	QP	3.95M	16.89	56.00	-39.11	Neutral
Mode 1	Pass	AV	3.95M	14.92	46.00	-31.08	Neutral
Mode 1	Pass	QP	5.11M	18.32	60.00	-41.68	Neutral
Mode 1	Pass	AV	5.11M	16.16	50.00	-33.84	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	154.87k	33.04	65.73	-32.69	19.93	Line	13.11	9.64	0.17	10.12								
AV	154.87k	21.96	55.73	-33.77	19.93	Line	2.03	9.64	0.17	10.12								
QP	251.04k	26.21	61.72	-35.51	19.88	Line	6.33	9.64	0.12	10.12								
AV	251.04k	21.48	51.72	-30.24	19.88	Line	1.60	9.64	0.12	10.12								
QP	405.31k	25.79	57.74	-31.95	19.85	Line	5.94	9.63	0.10	10.12								
AV	405.31k	23.48	47.74	-24.26	19.85	Line	3.63	9.63	0.10	10.12								
QP	1.8M	29.36	56.00	-26.64	19.82	Line	9.54	9.65	0.04	10.13								
AV	1.8M	25.73	46.00	-20.27	19.82	Line	5.91	9.65	0.04	10.13								
QP	3.99M	20.02	56.00	-35.98	19.92	Line	0.10	9.66	0.13	10.13								
AV	3.99M	17.25	46.00	-28.75	19.92	Line	-2.67	9.66	0.13	10.13								
QP	7.71M	23.98	60.00	-36.02	20.03	Line	3.95	9.68	0.21	10.14								
AV	7.71M	20.97	50.00	-29.03	20.03	Line	0.94	9.68	0.21	10.14								

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	163.12k	32.88	65.29	-32.41	19.92	Neutral	12.96	9.64	0.16	10.12								
AV	163.12k	21.81	55.29	-33.48	19.92	Neutral	1.89	9.64	0.16	10.12								
QP	342.74k	21.09	59.14	-38.05	19.86	Neutral	1.23	9.63	0.11	10.12								
AV	342.74k	17.57	49.14	-31.57	19.86	Neutral	-2.29	9.63	0.11	10.12								
QP	599.36k	22.09	56.00	-33.91	19.84	Neutral	2.25	9.63	0.09	10.12								
AV	599.36k	19.01	46.00	-26.99	19.84	Neutral	-0.83	9.63	0.09	10.12								
QP	646.59k	20.78	56.00	-35.22	19.84	Neutral	0.94	9.64	0.08	10.12								
AV	646.59k	17.53	46.00	-28.47	19.84	Neutral	-2.31	9.64	0.08	10.12								
QP	3.95M	16.89	56.00	-39.11	19.92	Neutral	-3.03	9.66	0.13	10.13								
AV	3.95M	14.92	46.00	-31.08	19.92	Neutral	-5.00	9.66	0.13	10.13								
QP	5.11M	18.32	60.00	-41.68	19.96	Neutral	-1.64	9.67	0.16	10.13								
AV	5.11M	16.16	50.00	-33.84	19.96	Neutral	-3.80	9.67	0.16	10.13								



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)	633.75k	1.03M	1M03F1D	527.5k	1.004M
BT-LE(2Mbps)	1.148M	2.071M	2M07F1D	977.5k	2.07M

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

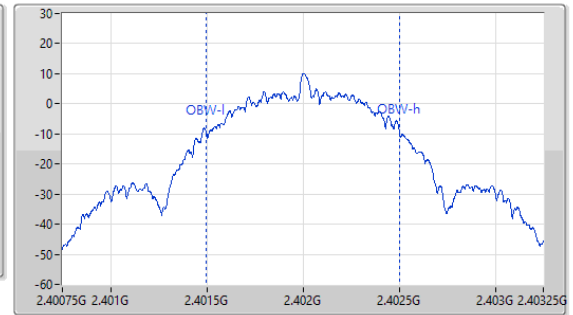
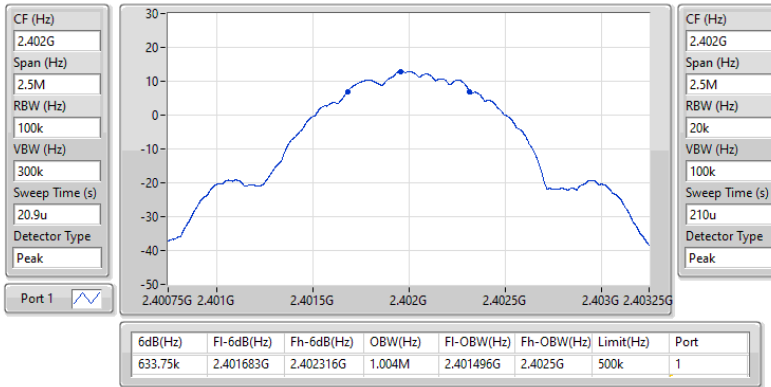
**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	633.75k	1.004M
2440MHz	Pass	500k	552.5k	1.03M
2480MHz	Pass	500k	527.5k	1.023M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.13M	2.071M
2440MHz	Pass	500k	977.5k	2.07M
2480MHz	Pass	500k	1.148M	2.07M

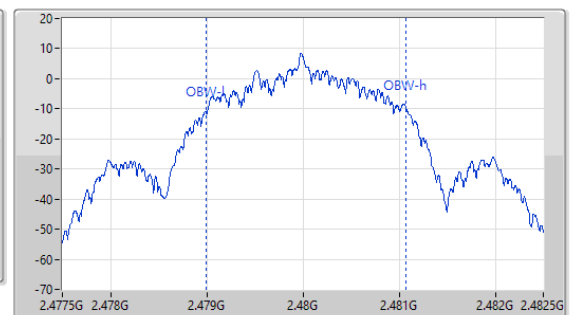
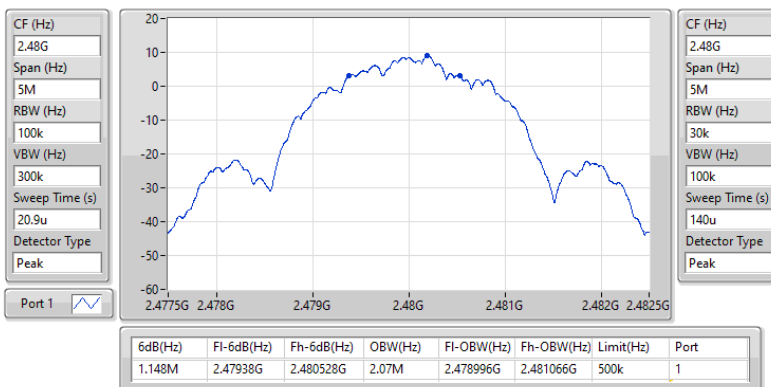
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

11/03/2026


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

11/03/2026





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)	633.75k	1.03M	1M03F1D	527.5k	1.004M
BT-LE(2Mbps)	1.148M	2.071M	2M07F1D	977.5k	2.07M

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	633.75k	1.004M
2440MHz	Pass	500k	552.5k	1.03M
2480MHz	Pass	500k	527.5k	1.023M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.13M	2.071M
2440MHz	Pass	500k	977.5k	2.07M
2480MHz	Pass	500k	1.148M	2.07M

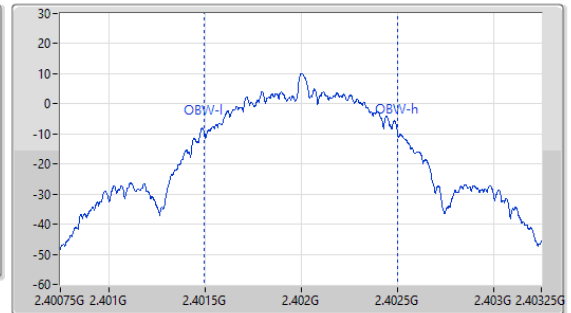
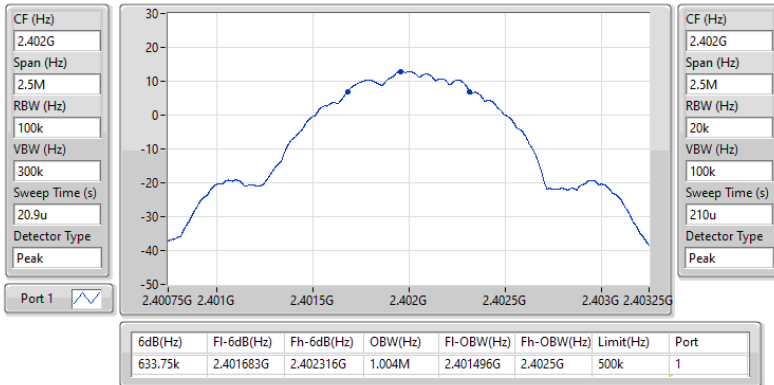
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2402MHz

11/03/2026

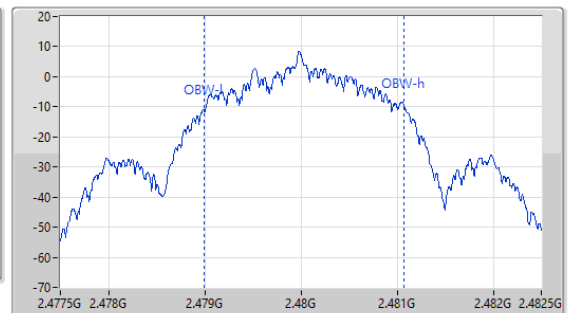
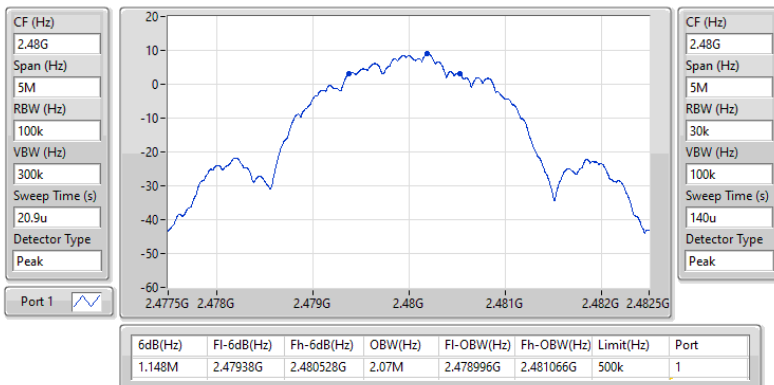


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2480MHz

11/03/2026





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	13.04	0.02014
BT-LE(2Mbps)	13.02	0.02004



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.50	13.04	30.00
2440MHz	Pass	3.50	12.78	30.00
2480MHz	Pass	3.50	12.09	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.50	13.02	30.00
2440MHz	Pass	3.50	12.94	30.00
2480MHz	Pass	3.50	12.42	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	13.04	0.02014
BT-LE(2Mbps)	13.02	0.02004



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.14	13.04	30.00
2440MHz	Pass	3.14	12.78	30.00
2480MHz	Pass	3.14	12.09	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.14	13.02	30.00
2440MHz	Pass	3.14	12.94	30.00
2480MHz	Pass	3.14	12.42	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)	1.26
BT-LE(2Mbps)	-4.64

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.50	0.70	8.00
2440MHz	Pass	3.50	1.26	8.00
2480MHz	Pass	3.50	-1.12	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.50	-4.64	8.00
2440MHz	Pass	3.50	-4.93	8.00
2480MHz	Pass	3.50	-5.27	8.00

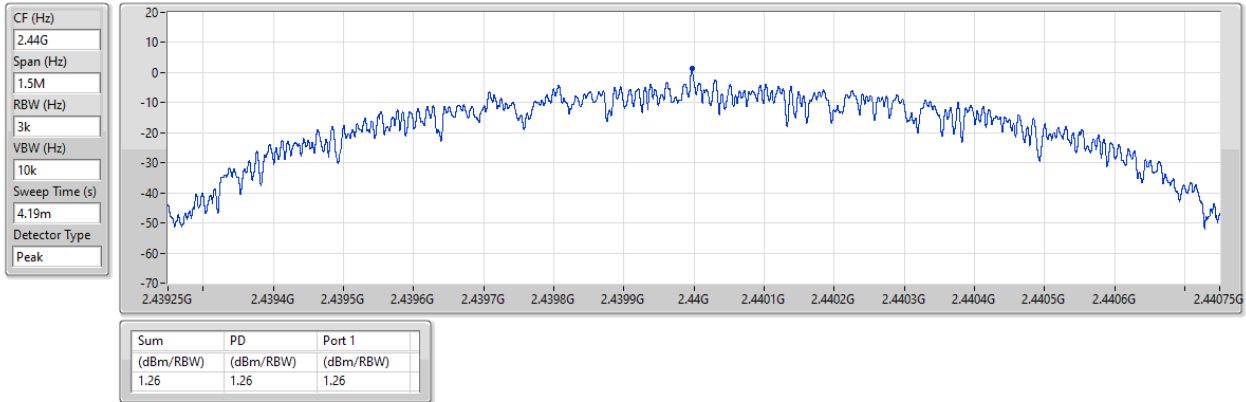
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

11/03/2026

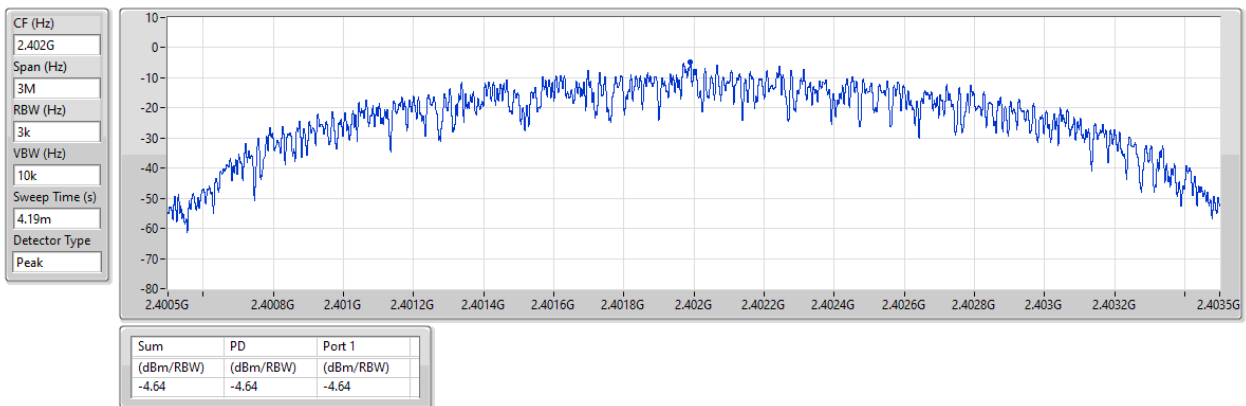


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

11/03/2026





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	1.26
BT-LE(2Mbps)	-4.64

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.14	0.70	8.00
2440MHz	Pass	3.14	1.26	8.00
2480MHz	Pass	3.14	-1.12	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.14	-4.64	8.00
2440MHz	Pass	3.14	-4.93	8.00
2480MHz	Pass	3.14	-5.27	8.00

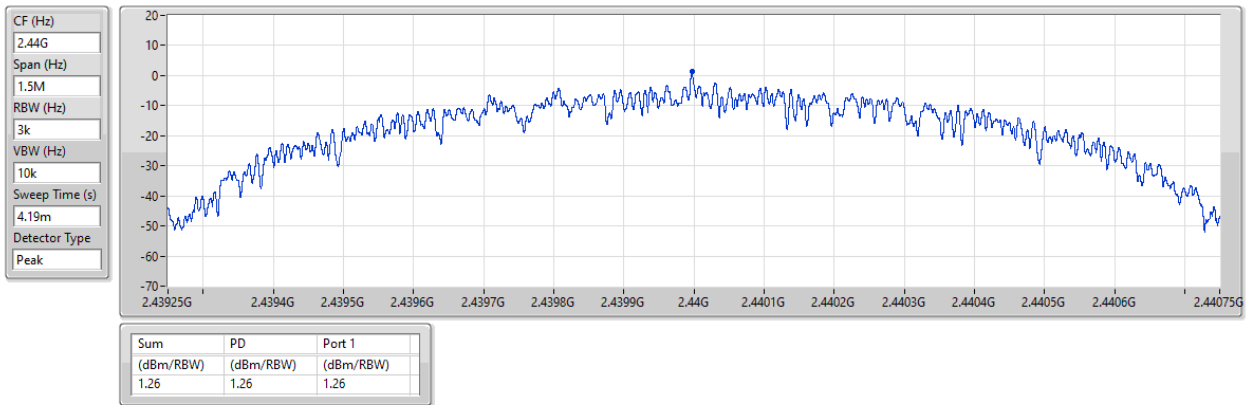
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

11/03/2026

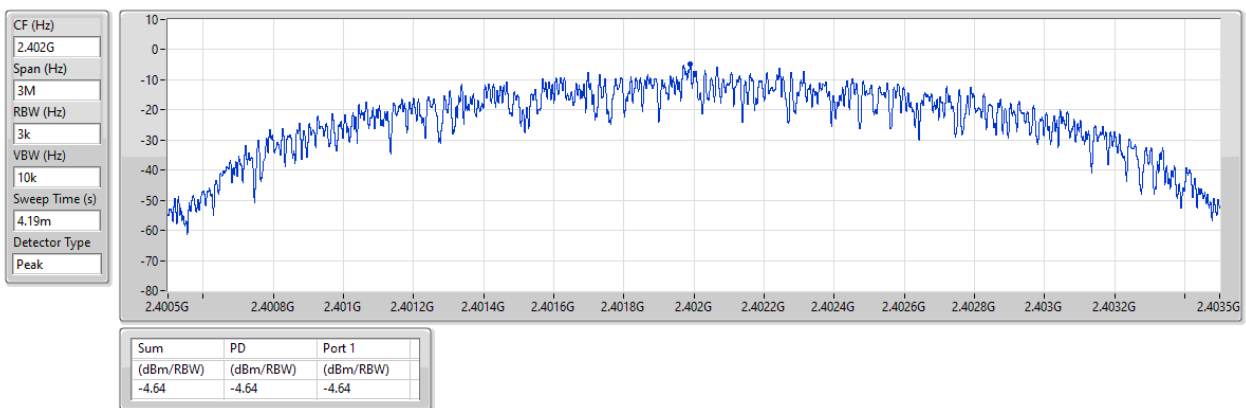


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

11/03/2026



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	2.402G	14.64	-15.36	2.1403G	-58.58	2.39992G	-41.64	2.4G	-45.72	2.5015G	-58.95	21.55522G	-48.16	1
BT-LE(2Mbps)	Pass	2.402G	13.17	-16.83	1.8536G	-57.53	2.4G	-19.82	2.4G	-19.49	2.50294G	-59.11	21.70989G	-48.57	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	2.402G	14.64	-15.36	2.1403G	-58.58	2.39992G	-41.64	2.4G	-45.72	2.5015G	-58.95	21.55522G	-48.16	1
2440MHz	Pass	2.402G	14.64	-15.36	2.192G	-57.44	2.39976G	-56.52	2.4G	-57.83	2.5017G	-58.57	21.94329G	-48.48	1
2480MHz	Pass	2.402G	14.64	-15.36	2.11915G	-58.18	2.39256G	-57.58	2.4G	-61.13	2.5023G	-57.01	21.65927G	-49.44	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	13.17	-16.83	1.8536G	-57.53	2.4G	-19.82	2.4G	-19.49	2.50294G	-59.11	21.70989G	-48.57	1
2440MHz	Pass	2.402G	13.17	-16.83	1.8959G	-58.34	2.3996G	-55.49	2.4G	-58.97	2.50038G	-57.79	21.81956G	-49.05	1
2480MHz	Pass	2.402G	13.17	-16.83	2.14148G	-58.38	2.3958G	-57.96	2.4G	-60.48	2.5007G	-57.26	21.53273G	-48.54	1

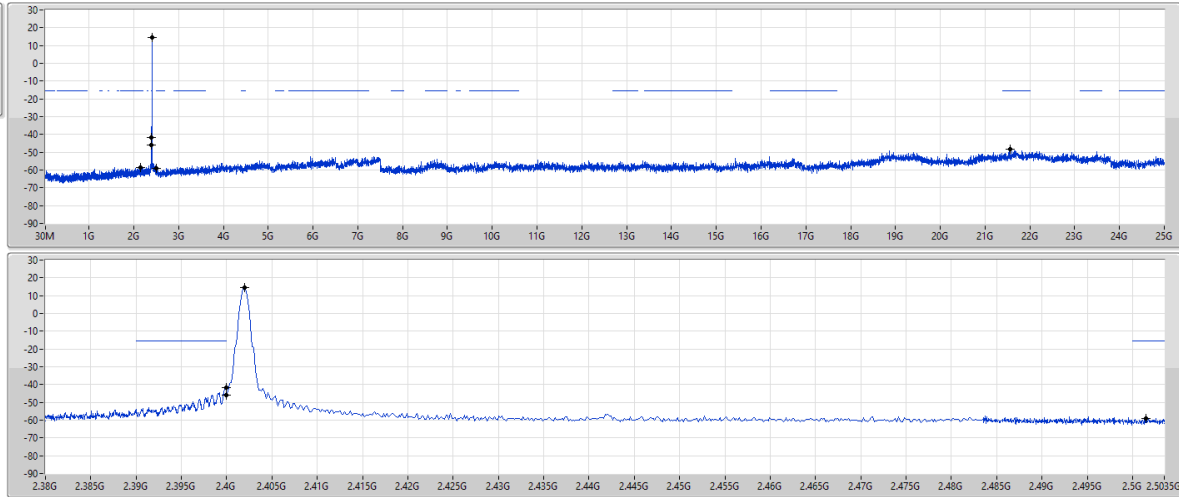
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

11/03/2026

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



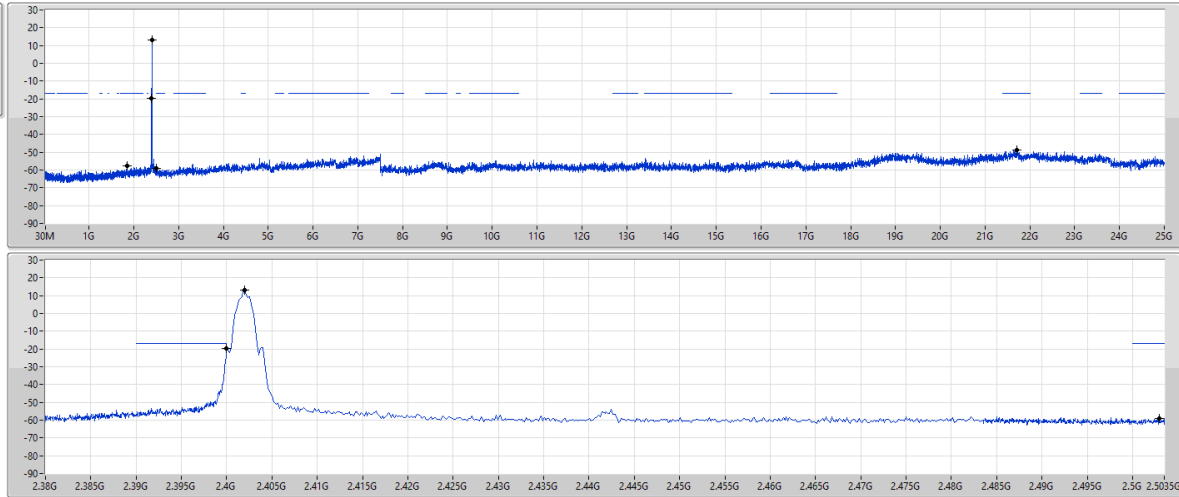
2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

11/03/2026

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





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	2.402G	14.64	-15.36	2.1403G	-58.58	2.39992G	-41.64	2.4G	-45.72	2.5015G	-58.95	21.55522G	-48.16	1
BT-LE(2Mbps)	Pass	2.402G	13.17	-16.83	1.8536G	-57.53	2.4G	-19.82	2.4G	-19.49	2.50294G	-59.11	21.70989G	-48.57	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	2.402G	14.64	-15.36	2.1403G	-58.58	2.39992G	-41.64	2.4G	-45.72	2.5015G	-58.95	21.55522G	-48.16	1
2440MHz	Pass	2.402G	14.64	-15.36	2.192G	-57.44	2.39976G	-56.52	2.4G	-57.83	2.5017G	-58.57	21.94329G	-48.48	1
2480MHz	Pass	2.402G	14.64	-15.36	2.11915G	-58.18	2.39256G	-57.58	2.4G	-61.13	2.5023G	-57.01	21.65927G	-49.44	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	13.17	-16.83	1.8536G	-57.53	2.4G	-19.82	2.4G	-19.49	2.50294G	-59.11	21.70989G	-48.57	1
2440MHz	Pass	2.402G	13.17	-16.83	1.8959G	-58.34	2.3996G	-55.49	2.4G	-58.97	2.50038G	-57.79	21.81956G	-49.05	1
2480MHz	Pass	2.402G	13.17	-16.83	2.14148G	-58.38	2.3958G	-57.96	2.4G	-60.48	2.5007G	-57.26	21.53273G	-48.54	1

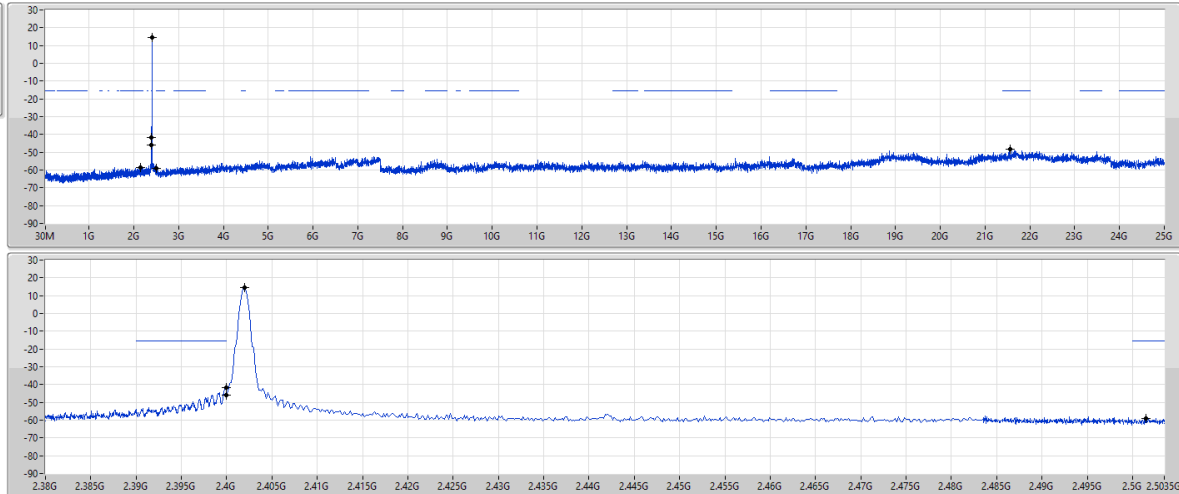
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

11/03/2026

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



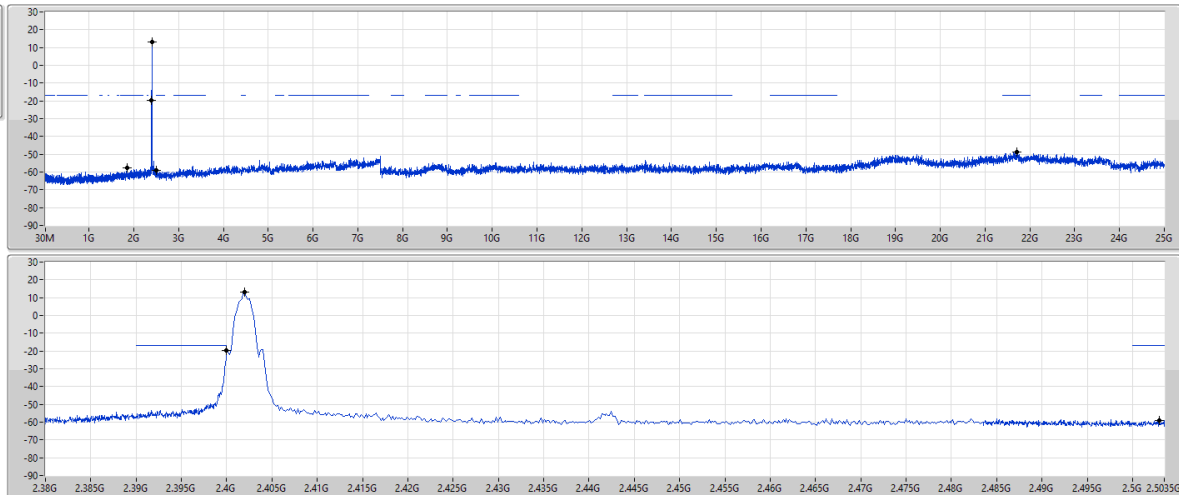
2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

11/03/2026

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





Summary

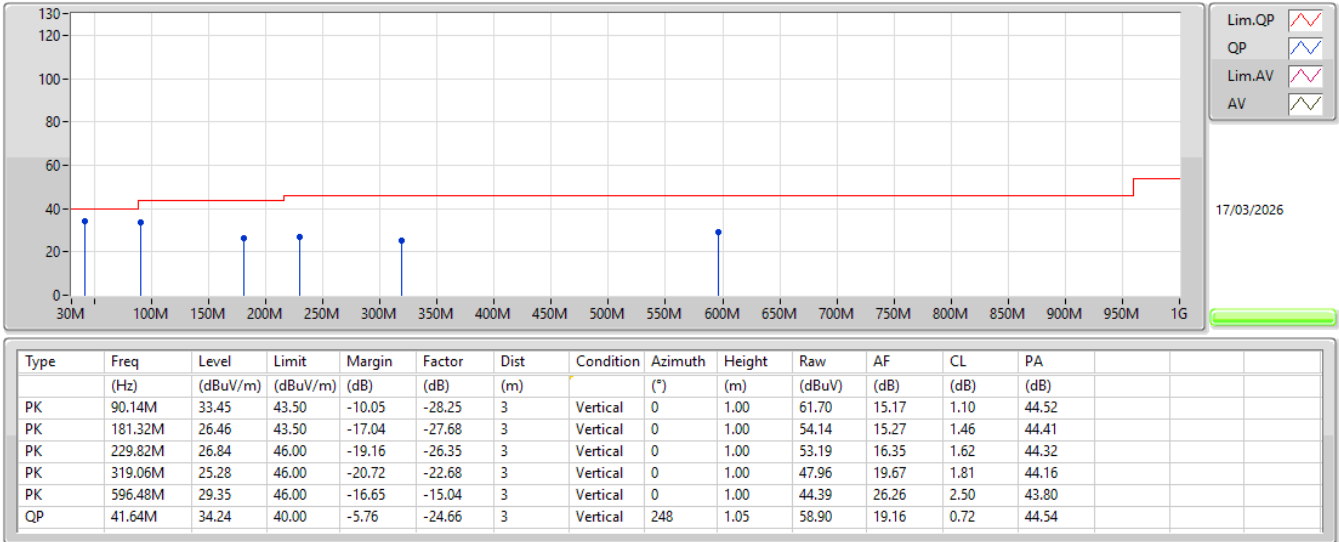
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	QP	41.64M	34.24	40.00	-5.76	3	Vertical	248	1.05

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_Test fixture	Pass	PK	90.14M	33.45	43.50	-10.05	3	Vertical	0	1.00
2440MHz_Test fixture	Pass	PK	181.32M	26.46	43.50	-17.04	3	Vertical	0	1.00
2440MHz_Test fixture	Pass	PK	229.82M	26.84	46.00	-19.16	3	Vertical	0	1.00
2440MHz_Test fixture	Pass	PK	319.06M	25.28	46.00	-20.72	3	Vertical	0	1.00
2440MHz_Test fixture	Pass	PK	596.48M	29.35	46.00	-16.65	3	Vertical	0	1.00
2440MHz_Test fixture	Pass	QP	41.64M	34.24	40.00	-5.76	3	Vertical	248	1.05
2440MHz_Test fixture	Pass	PK	53.28M	29.52	40.00	-10.48	3	Horizontal	360	1.00
2440MHz_Test fixture	Pass	PK	119.24M	32.40	43.50	-11.10	3	Horizontal	360	1.00
2440MHz_Test fixture	Pass	PK	229.82M	32.38	46.00	-13.62	3	Horizontal	360	1.00
2440MHz_Test fixture	Pass	PK	264.74M	26.11	46.00	-19.89	3	Horizontal	360	1.00
2440MHz_Test fixture	Pass	PK	336.52M	24.57	46.00	-21.43	3	Horizontal	360	1.00
2440MHz_Test fixture	Pass	PK	398.6M	25.24	46.00	-20.76	3	Horizontal	360	1.00

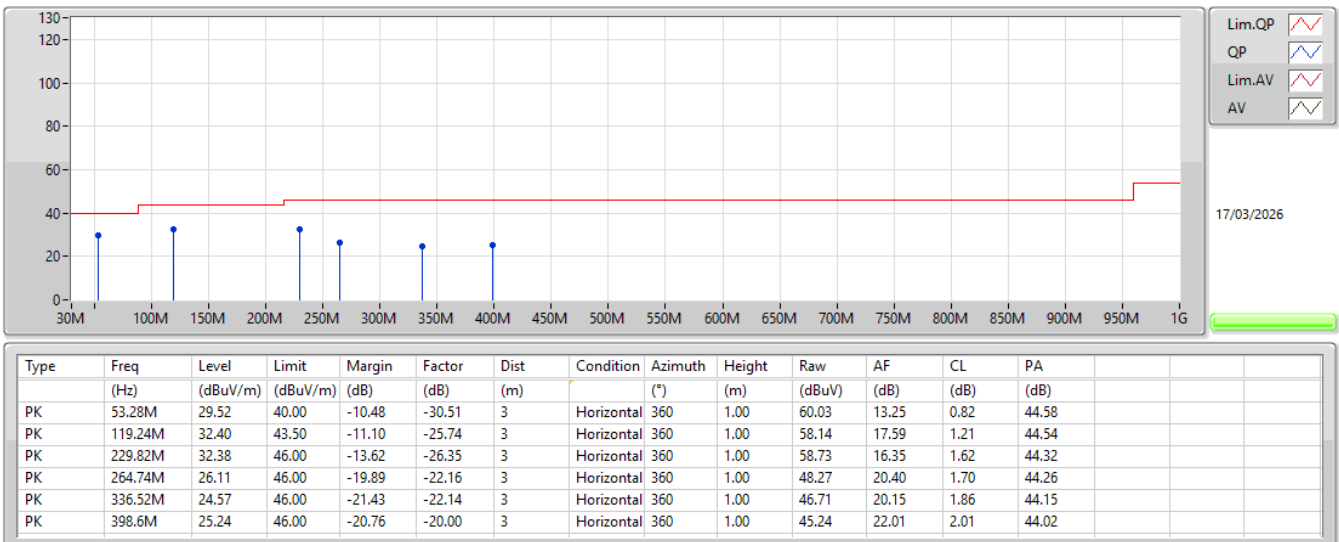
2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_Test fixture



2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_Test fixture





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	4.88G	31.67	54.00	-22.33	3	Vertical	231	1.49

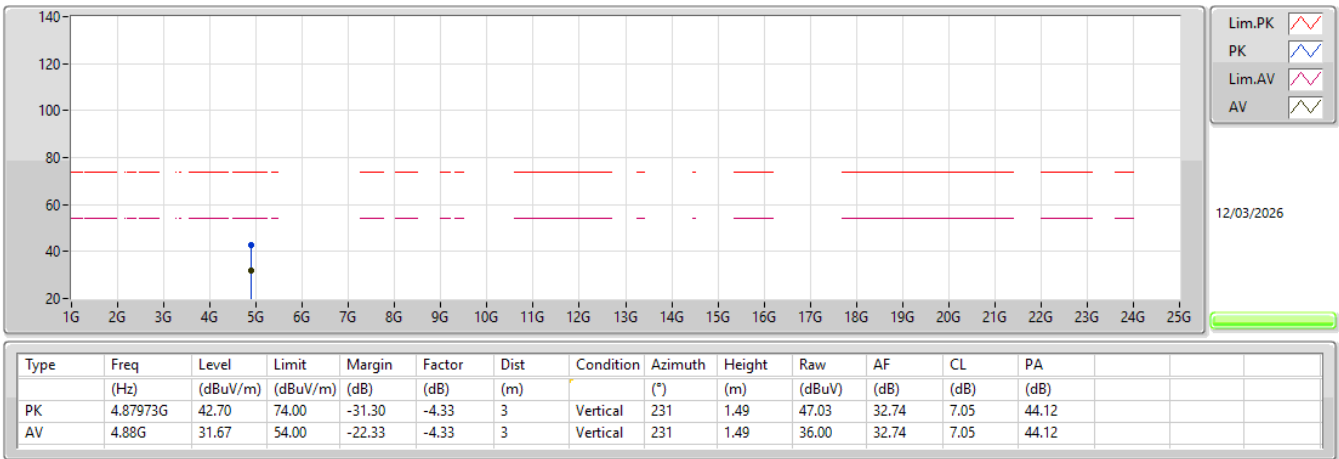


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_TX	Pass	PK	4.87973G	42.70	74.00	-31.30	3	Vertical	231	1.49
2440MHz_TX	Pass	AV	4.88G	31.67	54.00	-22.33	3	Vertical	231	1.49
2440MHz_TX	Pass	PK	4.88012G	42.67	74.00	-31.33	3	Horizontal	68	1.50
2440MHz_TX	Pass	AV	4.88088G	31.64	54.00	-22.36	3	Horizontal	68	1.50

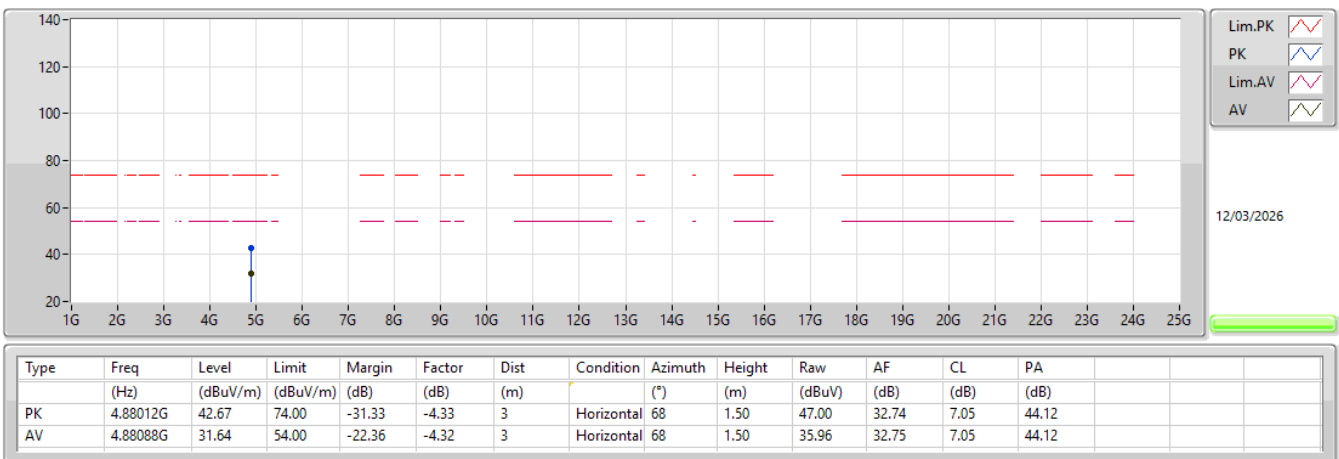
2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX



2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX





Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-L E(1Mbps)	Pass	2.38G	2.5035G	AV	2.48399G	3.50	-54.54	-51.04	-41.20	-9.84
BT-L E(2Mbps)	Pass	2.38G	2.5035G	AV	2.48362G	3.50	-54.55	-51.05	-41.20	-9.85

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX



Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.38G	2.5035G	AV	2.38778G	3.50	-58.91	-55.41	-41.20	-14.21
2402MHz	Pass	2.38G	2.5035G	PK	2.38976G	3.50	-44.79	-41.29	-21.20	-20.09
2440MHz	Pass	2.38G	2.5035G	AV	2.4846G	3.50	-66.16	-62.66	-41.20	-21.46
2440MHz	Pass	2.38G	2.5035G	PK	2.38469G	3.50	-53.96	-50.46	-21.20	-29.26
2480MHz	Pass	2.38G	2.5035G	AV	2.48399G	3.50	-54.54	-51.04	-41.20	-9.84
2480MHz	Pass	2.38G	2.5035G	PK	2.48362G	3.50	-35.28	-31.78	-21.20	-10.58
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.38G	2.5035G	AV	2.38988G	3.50	-59.79	-56.29	-41.20	-15.09
2402MHz	Pass	2.38G	2.5035G	PK	2.38827G	3.50	-47.87	-44.37	-21.20	-23.17
2440MHz	Pass	2.38G	2.5035G	AV	2.48362G	3.50	-67.29	-63.79	-41.20	-22.59
2440MHz	Pass	2.38G	2.5035G	PK	2.3858G	3.50	-55.06	-51.56	-21.20	-30.36
2480MHz	Pass	2.38G	2.5035G	AV	2.48362G	3.50	-54.55	-51.05	-41.20	-9.85
2480MHz	Pass	2.38G	2.5035G	PK	2.48362G	3.50	-42.07	-38.57	-21.20	-17.37

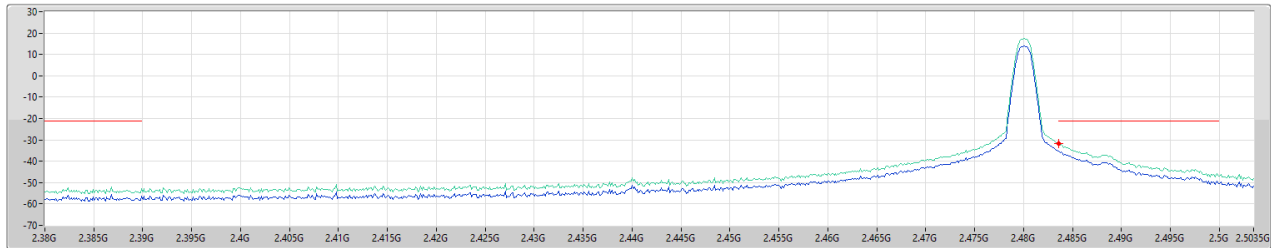
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_BT-LE(1Mbps)

CSE Bandedge-DTS [PK]

2480MHz

11/03/2026



Limit:PK
EIRP:PK
Port 1

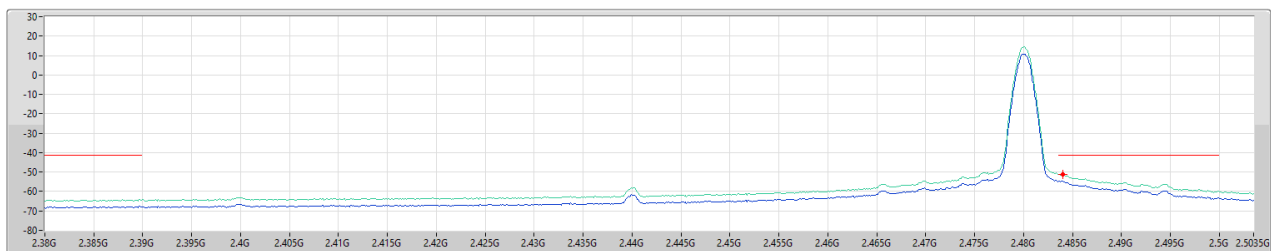
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
2.38G	2.5035G	1M	PK	2.48362G	-31.78	-21.20	-10.58	3.50	0.00	-35.28	-35.28

2.4-2.4835GHz_BT-LE(1Mbps)

CSE Bandedge-DTS [AV]

2480MHz

11/03/2026



Limit:AV
EIRP:AV
Port 1

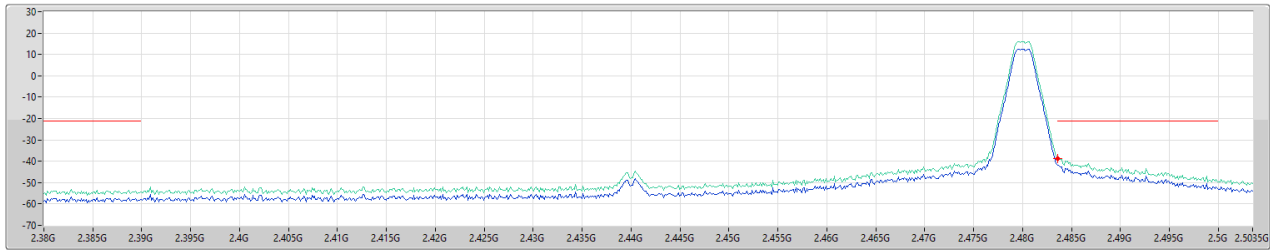
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
2.38G	2.5035G	1M	AV	2.48399G	-51.04	-41.20	-9.84	3.50	0.00	-54.54	-54.54

2.4-2.4835GHz_BT-LE(2Mbps)

CSE Bandedge-DTS [PK]

2480MHz

11/03/2026



Limit.PK
EIRP.PK
Port 1

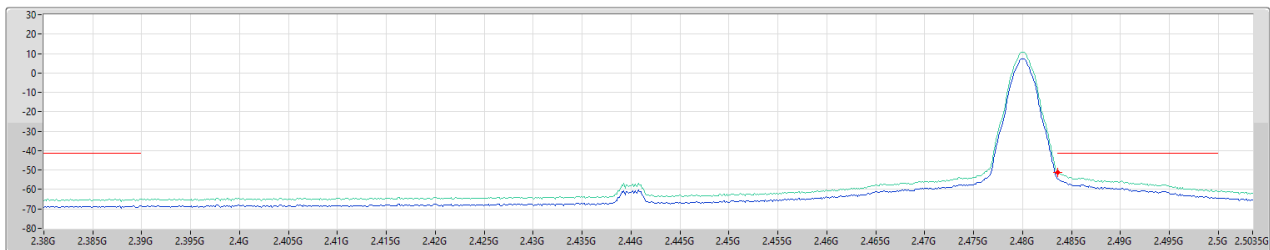
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
2.38G	2.5035G	1M	PK	2.48362G	-38.57	-21.20	-17.37	3.50	0.00	-42.07	-42.07

2.4-2.4835GHz_BT-LE(2Mbps)

CSE Bandedge-DTS [AV]

2480MHz

11/03/2026



Limit.AV
EIRP.AV
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
2.38G	2.5035G	1M	AV	2.48362G	-51.05	-41.20	-9.85	3.50	0.00	-54.55	-54.55



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-
BT-LTE(1Mbps)	Pass	1G	25G	AV	4.879G	-44.73	-41.20	-3.53
BT-LTE(2Mbps)	Pass	1G	25G	AV	4.879G	-46.11	-41.20	-4.91

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-
2402MHz	Pass	1G	25G	AV	4.804G	-44.92	-41.20	-3.72
2402MHz	Pass	1G	25G	PK	4.003G	-68.61	-21.20	-47.41
2402MHz	Pass	1G	25G	PK	4.804G	-78.25	-21.20	-57.05
2440MHz	Pass	1G	25G	AV	4.879G	-44.73	-41.20	-3.53
2440MHz	Pass	1G	25G	PK	4.879G	-41.03	-21.20	-19.83
2480MHz	Pass	1G	25G	AV	4.96G	-45.04	-41.20	-3.84
2480MHz	Pass	1G	25G	PK	4.96G	-41.70	-21.20	-20.50
BT-LE(2Mbps)	-	-	-	-	-	-	-	-
2402MHz	Pass	1G	25G	AV	4.801G	-46.82	-41.20	-5.62
2402MHz	Pass	1G	25G	PK	4.801G	-42.00	-21.20	-20.80
2440MHz	Pass	1G	25G	AV	4.879G	-46.11	-41.20	-4.91
2440MHz	Pass	1G	25G	PK	4.879G	-41.65	-21.20	-20.45
2480MHz	Pass	1G	25G	AV	4.96G	-46.51	-41.20	-5.31
2480MHz	Pass	1G	25G	PK	4.957G	-42.83	-21.20	-21.63

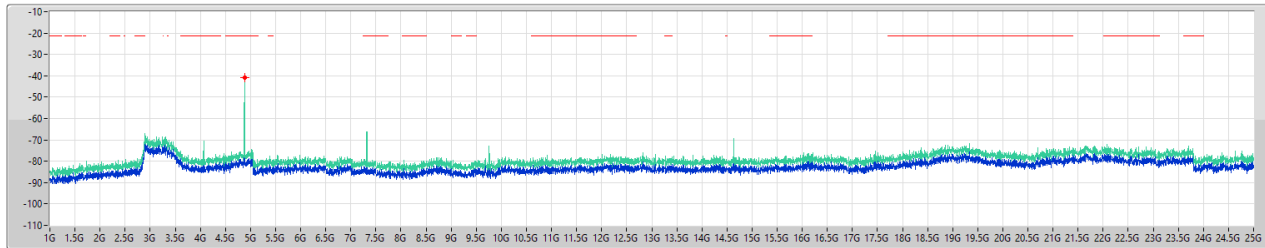
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_BT-LE(1Mbps)

CSE-DTS [PK]

2440MHz

11/03/2026



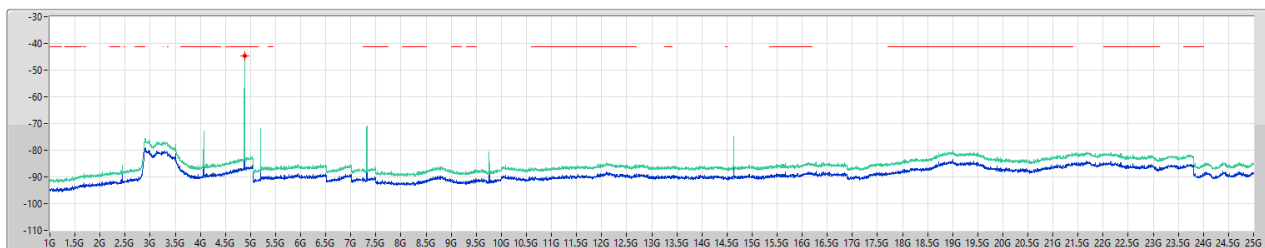
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	4.879G	-41.03	-21.20	-19.83	3.50	0.00	-44.53	-44.53

2.4-2.4835GHz_BT-LE(1Mbps)

CSE-DTS [AV]

2440MHz

11/03/2026



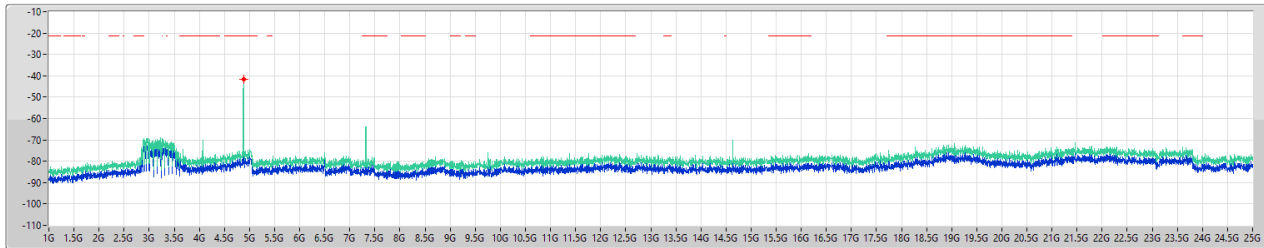
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	4.879G	-44.73	-41.20	-3.53	3.50	0.00	-48.23	-48.23

2.4-2.4835GHz_BT-LE(2Mbps)

CSE-DTS [PK]

2440MHz

11/03/2026



Limit.PK
EIRP.PK
Port 1

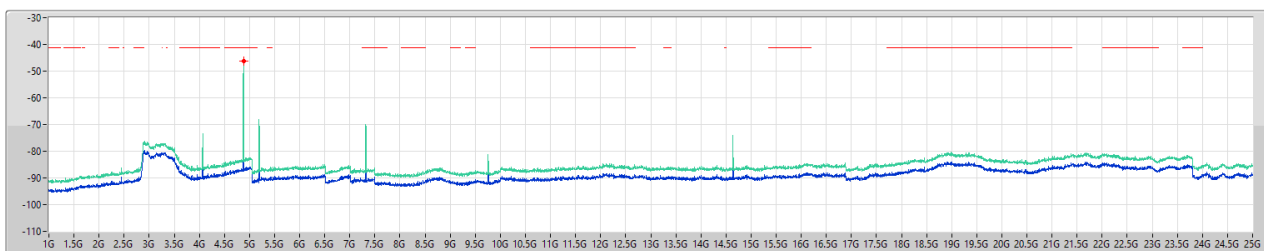
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	4.879G	-41.65	-21.20	-20.45	3.50	0.00	-45.15	-45.15

2.4-2.4835GHz_BT-LE(2Mbps)

CSE-DTS [AV]

2440MHz

11/03/2026



Limit.AV
EIRP.AV
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	4.879G	-46.11	-41.20	-4.91	3.50	0.00	-49.61	-49.61



Summary

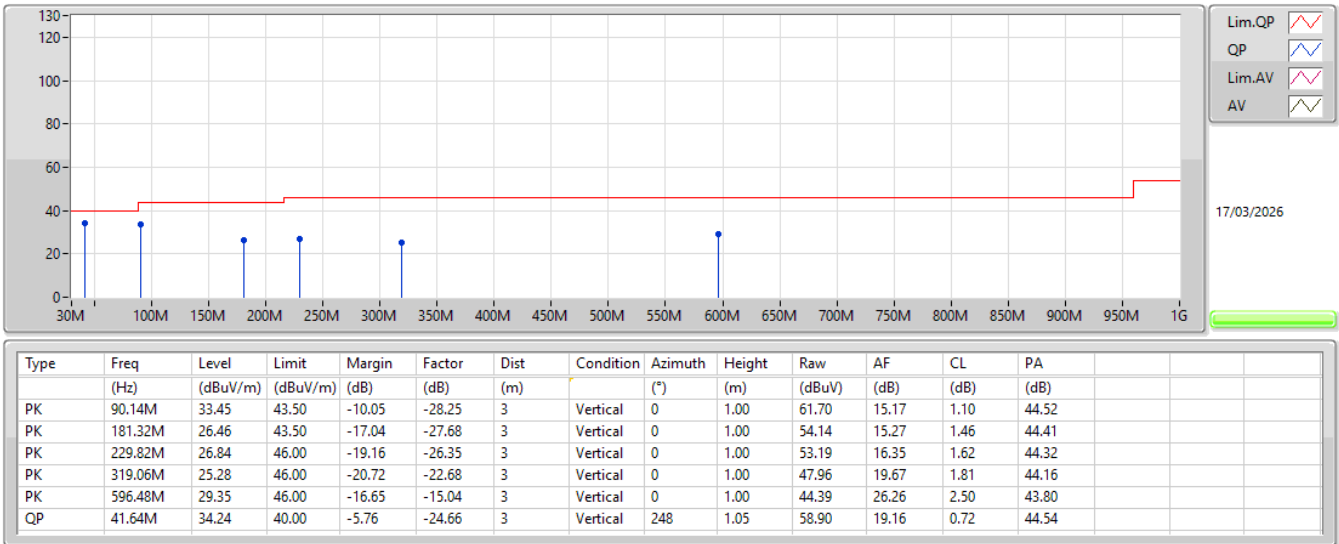
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	QP	41.64M	34.24	40.00	-5.76	3	Vertical	248	1.05

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_Test fixture	Pass	PK	90.14M	33.45	43.50	-10.05	3	Vertical	0	1.00
2440MHz_Test fixture	Pass	PK	181.32M	26.46	43.50	-17.04	3	Vertical	0	1.00
2440MHz_Test fixture	Pass	PK	229.82M	26.84	46.00	-19.16	3	Vertical	0	1.00
2440MHz_Test fixture	Pass	PK	319.06M	25.28	46.00	-20.72	3	Vertical	0	1.00
2440MHz_Test fixture	Pass	PK	596.48M	29.35	46.00	-16.65	3	Vertical	0	1.00
2440MHz_Test fixture	Pass	QP	41.64M	34.24	40.00	-5.76	3	Vertical	248	1.05
2440MHz_Test fixture	Pass	PK	53.28M	29.52	40.00	-10.48	3	Horizontal	360	1.00
2440MHz_Test fixture	Pass	PK	119.24M	32.40	43.50	-11.10	3	Horizontal	360	1.00
2440MHz_Test fixture	Pass	PK	229.82M	32.38	46.00	-13.62	3	Horizontal	360	1.00
2440MHz_Test fixture	Pass	PK	264.74M	26.11	46.00	-19.89	3	Horizontal	360	1.00
2440MHz_Test fixture	Pass	PK	336.52M	24.57	46.00	-21.43	3	Horizontal	360	1.00
2440MHz_Test fixture	Pass	PK	398.6M	25.24	46.00	-20.76	3	Horizontal	360	1.00

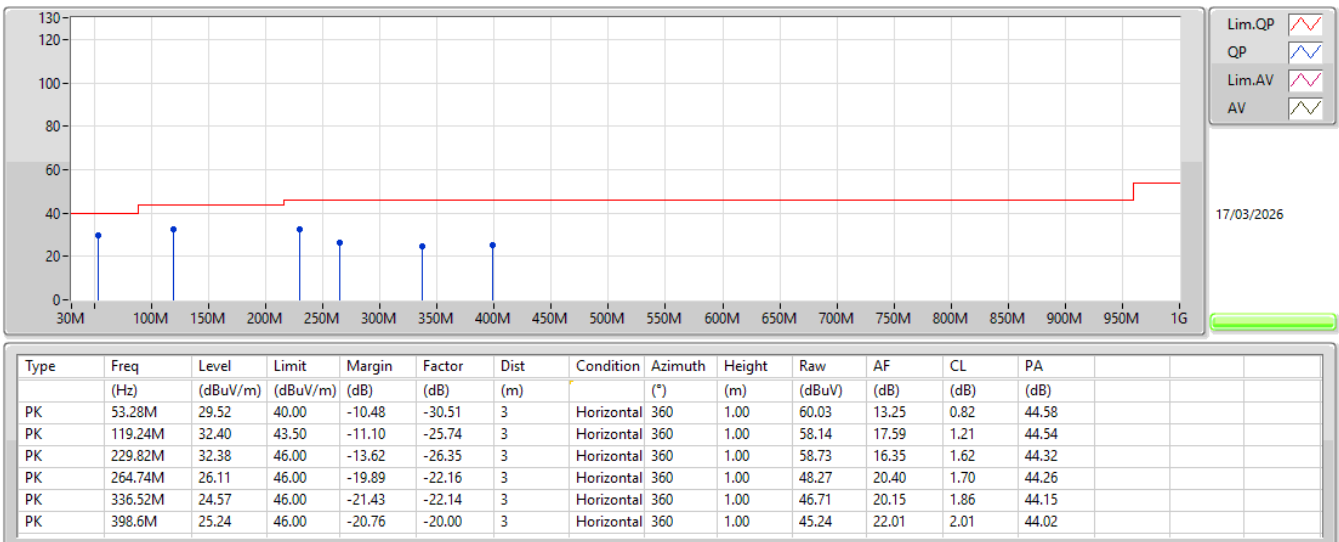
2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_Test fixture



2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_Test fixture





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	4.88G	31.67	54.00	-22.33	3	Vertical	231	1.49

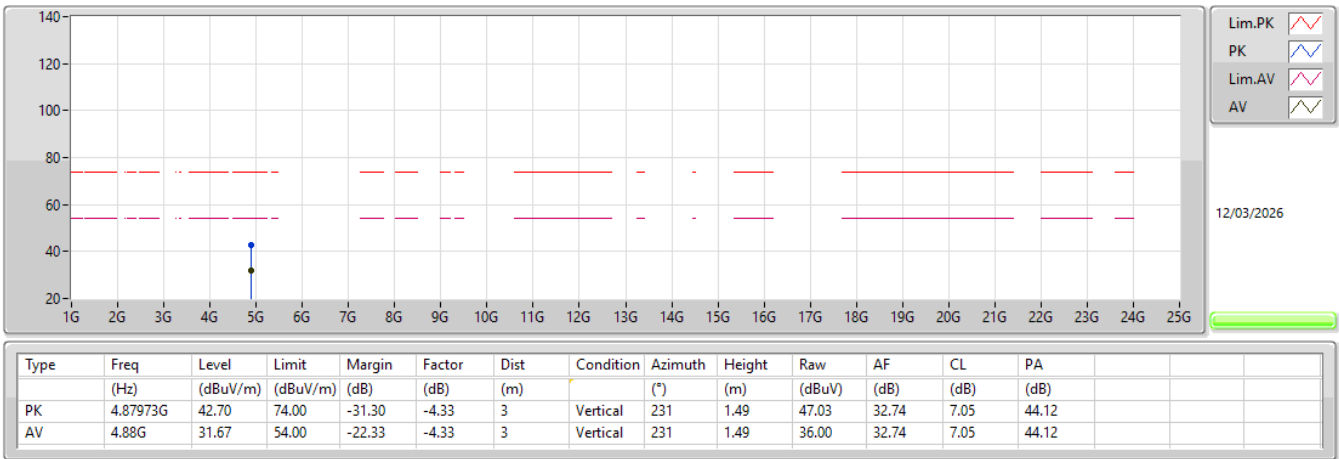


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_TX	Pass	PK	4.87973G	42.70	74.00	-31.30	3	Vertical	231	1.49
2440MHz_TX	Pass	AV	4.88G	31.67	54.00	-22.33	3	Vertical	231	1.49
2440MHz_TX	Pass	PK	4.88012G	42.67	74.00	-31.33	3	Horizontal	68	1.50
2440MHz_TX	Pass	AV	4.88088G	31.64	54.00	-22.36	3	Horizontal	68	1.50

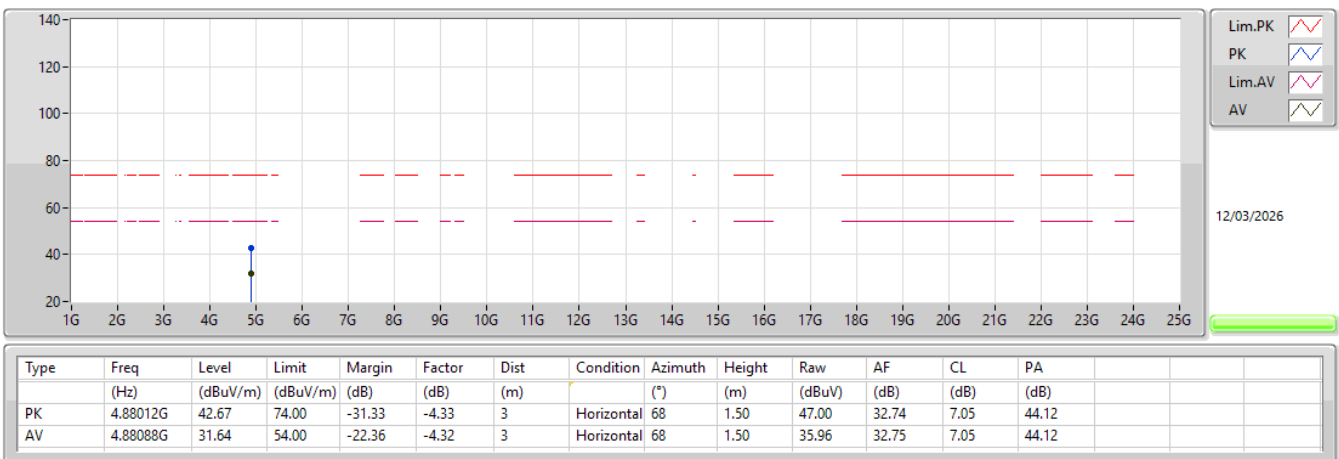
2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX



2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX





Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-L E(1Mbps)	Pass	2.38G	2.5035G	AV	2.48399G	3.14	-54.54	-51.40	-41.20	-10.20
BT-L E(2Mbps)	Pass	2.38G	2.5035G	AV	2.48362G	3.14	-54.55	-51.41	-41.20	-10.21

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX



Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.38G	2.5035G	AV	2.38778G	3.14	-58.91	-55.77	-41.20	-14.57
2402MHz	Pass	2.38G	2.5035G	PK	2.38976G	3.14	-44.79	-41.65	-21.20	-20.45
2440MHz	Pass	2.38G	2.5035G	AV	2.4846G	3.14	-66.16	-63.02	-41.20	-21.82
2440MHz	Pass	2.38G	2.5035G	PK	2.38469G	3.14	-53.96	-50.82	-21.20	-29.62
2480MHz	Pass	2.38G	2.5035G	AV	2.48399G	3.14	-54.54	-51.40	-41.20	-10.20
2480MHz	Pass	2.38G	2.5035G	PK	2.48362G	3.14	-35.28	-32.14	-21.20	-10.94
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.38G	2.5035G	AV	2.38988G	3.14	-59.79	-56.65	-41.20	-15.45
2402MHz	Pass	2.38G	2.5035G	PK	2.38827G	3.14	-47.87	-44.73	-21.20	-23.53
2440MHz	Pass	2.38G	2.5035G	AV	2.48362G	3.14	-67.29	-64.15	-41.20	-22.95
2440MHz	Pass	2.38G	2.5035G	PK	2.3858G	3.14	-55.06	-51.92	-21.20	-30.72
2480MHz	Pass	2.38G	2.5035G	AV	2.48362G	3.14	-54.55	-51.41	-41.20	-10.21
2480MHz	Pass	2.38G	2.5035G	PK	2.48362G	3.14	-42.07	-38.93	-21.20	-17.73

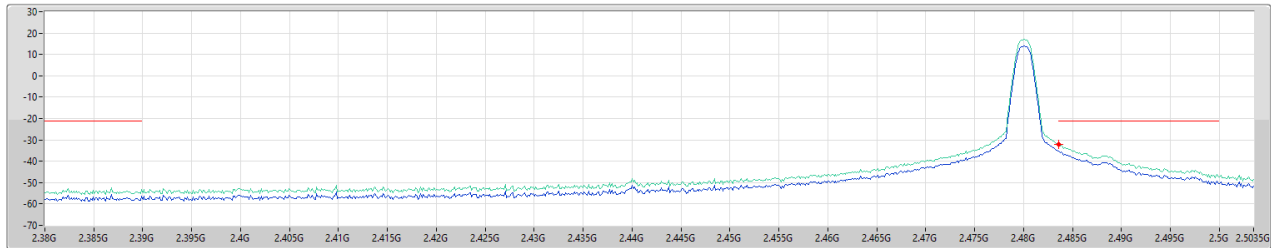
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_BT-LE(1Mbps)

CSE Bandedge-DTS [PK]

2480MHz

11/03/2026



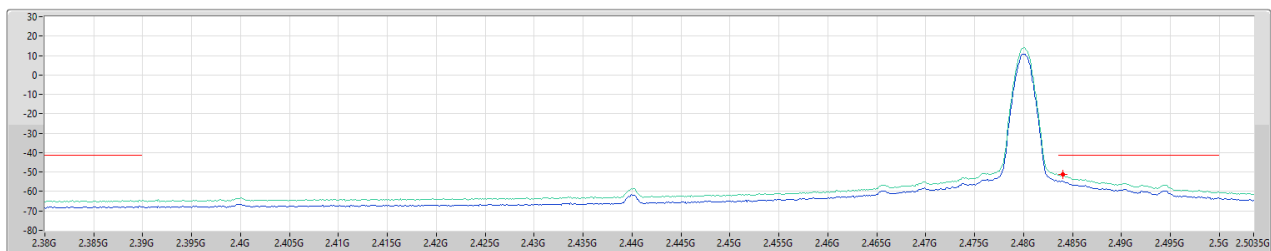
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
2.38G	2.5035G	1M	PK	2.48362G	-32.14	-21.20	-10.94	3.14	0.00	-35.28	-35.28

2.4-2.4835GHz_BT-LE(1Mbps)

CSE Bandedge-DTS [AV]

2480MHz

11/03/2026

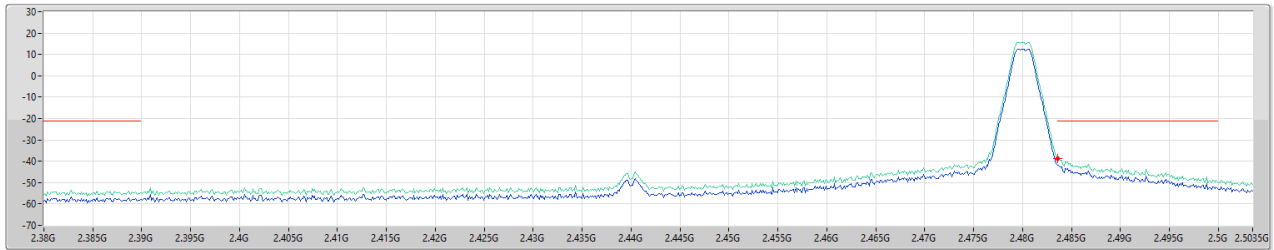


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
2.38G	2.5035G	1M	AV	2.48399G	-51.40	-41.20	-10.20	3.14	0.00	-54.54	-54.54

2.4-2.4835GHz_BT-LE(2Mbps)

CSE Bandedge-DTS [PK]

2480MHz



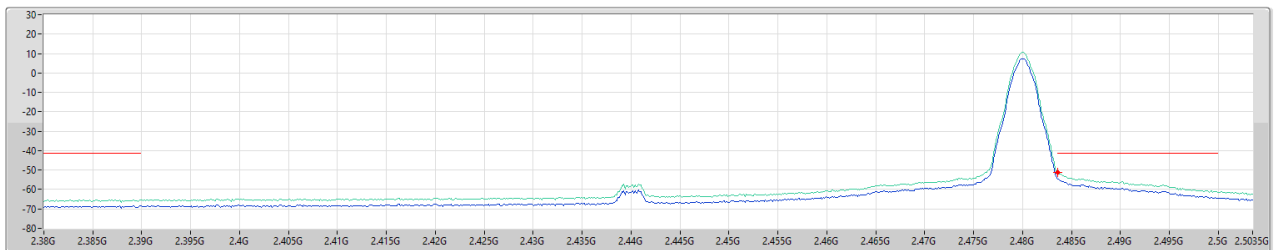
11/03/2026
Limit.PK
EIRP.PK
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psu(dBm)	P1(dBm)
2.38G	2.5035G	1M	PK	2.48362G	-38.93	-21.20	-17.73	3.14	0.00	-42.07	-42.07

2.4-2.4835GHz_BT-LE(2Mbps)

CSE Bandedge-DTS [AV]

2480MHz



11/03/2026
Limit.AV
EIRP.AV
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psu(dBm)	P1(dBm)
2.38G	2.5035G	1M	AV	2.48362G	-51.41	-41.20	-10.21	3.14	0.00	-54.55	-54.55

**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	1G	25G	AV	4.879G	-45.09	-41.20	-3.89
BT-LE(2Mbps)	Pass	1G	25G	AV	4.879G	-46.47	-41.20	-5.27

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-
2402MHz	Pass	1G	25G	AV	4.804G	-45.28	-41.20	-4.08
2402MHz	Pass	1G	25G	PK	4.003G	-68.97	-21.20	-47.77
2402MHz	Pass	1G	25G	PK	4.804G	-78.61	-21.20	-57.41
2440MHz	Pass	1G	25G	AV	4.879G	-45.09	-41.20	-3.89
2440MHz	Pass	1G	25G	PK	4.879G	-41.39	-21.20	-20.19
2480MHz	Pass	1G	25G	AV	4.96G	-45.40	-41.20	-4.20
2480MHz	Pass	1G	25G	PK	4.96G	-42.06	-21.20	-20.86
BT-LE(2Mbps)	-	-	-	-	-	-	-	-
2402MHz	Pass	1G	25G	AV	4.801G	-47.18	-41.20	-5.98
2402MHz	Pass	1G	25G	PK	4.801G	-42.36	-21.20	-21.16
2440MHz	Pass	1G	25G	AV	4.879G	-46.47	-41.20	-5.27
2440MHz	Pass	1G	25G	PK	4.879G	-42.01	-21.20	-20.81
2480MHz	Pass	1G	25G	AV	4.96G	-46.87	-41.20	-5.67
2480MHz	Pass	1G	25G	PK	4.957G	-43.19	-21.20	-21.99

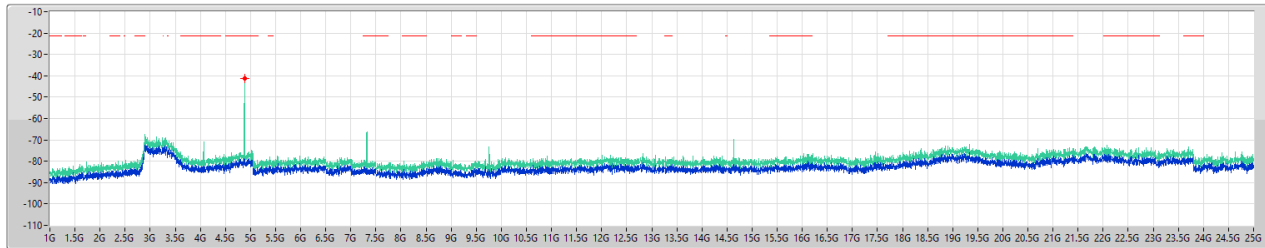
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_BT-LE(1Mbps)

CSE-DTS [PK]

2440MHz

11/03/2026



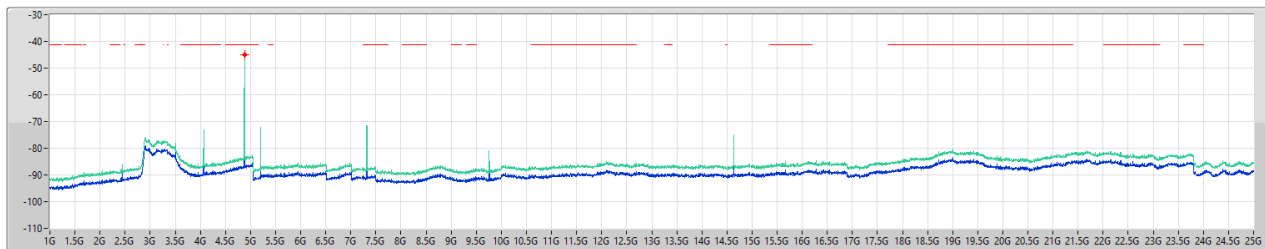
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	4.879G	-41.39	-21.20	-20.19	3.14	0.00	-44.53	-44.53

2.4-2.4835GHz_BT-LE(1Mbps)

CSE-DTS [AV]

2440MHz

11/03/2026



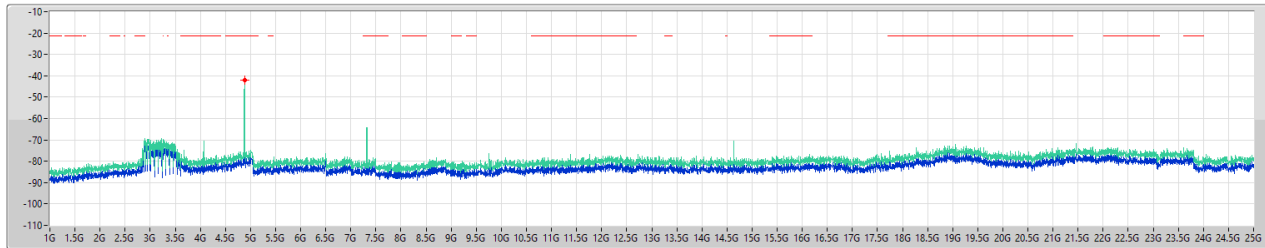
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	4.879G	-45.09	-41.20	-3.89	3.14	0.00	-48.23	-48.23

2.4-2.4835GHz_BT-LE(2Mbps)

CSE-DTS [PK]

2440MHz

11/03/2026



Limit:PK
EIRP:PK
Port 1

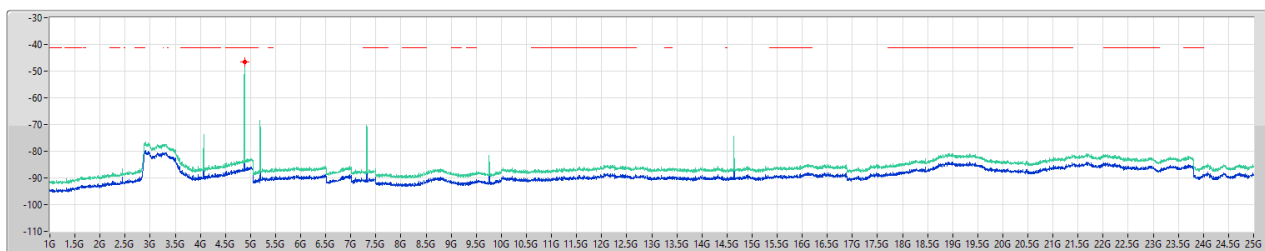
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	4.879G	-42.01	-21.20	-20.81	3.14	0.00	-45.15	-45.15

2.4-2.4835GHz_BT-LE(2Mbps)

CSE-DTS [AV]

2440MHz

11/03/2026



Limit:AV
EIRP:AV
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	4.879G	-46.47	-41.20	-5.27	3.14	0.00	-49.61	-49.61