

FCC Radio Test Report

FCC ID : YL6-143430132S
Equipment : Wireless Module
Brand Name : ALARM.COM
Model Name : 143430132S
Applicant : Alarm.com Incorporated
8281 Greensboro Drive, Suite 100, Tysons, VA 22102
United States
Manufacturer : Alarm.com Incorporated
8281 Greensboro Drive, Suite 100, Tysons, VA 22102
United States
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 29, 2025, and testing was started from Jul. 29, 2025 and completed on Oct. 10, 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)	20dB Bandwidth	PASS	-
3.2	15.247(a)	Carrier Frequency Separation	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(a)	Number of Hopping Frequencies and Hopping Bandedge	PASS	-
3.5	15.247(a)	Time of Occupancy (Dwell Time)	PASS	-
3.6	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.7	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Ben Tseng

Report Producer: Debby Hung

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Version	Ch. Frequency (MHz)	Channel Number
2400-2483.5	BR / EDR	2402-2480	0-78 [79]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-BR(1Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(2Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(3Mbps)	1	1TX

Note:

- Bluetooth BR uses a GFSK (1Mbps).
- Bluetooth EDR uses a combination of $\pi/4$ -DQPSK (2Mbps) and 8DPSK (3Mbps).
- Bluetooth BR/EDR uses as a system using FHSS modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support
1	0	INPAQ	RFFPA351905IMLB301	PIFA	I-Pex	2.4G+5G+BT
2	1	INPAQ	RFFPA321405IMLB304	PIFA	I-Pex	2.4G+5G
3	0/1	INPAQ	RFMTA401025IMLB701	PIFA	I-Pex	2.4G+5G+BT
4	0/1	LITEON	20301-004790A000	Dipole	I-Pex	2.4G+5G+BT

Ant.	Port	Gain (dBi)					
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	BT
1	0	2.62	2.65	3.23	2.91	3.54	2.62
2	1	2.70	2.38	2.62	2.84	2.89	-
3	0/1	3.68	4.26	4.45	4.97	4.85	3.68
4	0/1	3.53	4.32	4.59	4.62	4.74	3.53

Note 1: The EUT has four antennas.

Note 2: EUT can match with above antennas for using. The highest gain in each type of antenna was used to perform the worst configuration and result of that was recorded as the final test result.

For 2.4GHz function:

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

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

Support diversity function and pre-tested on each single chain, the worst case was port 1 and it was record in this test report.

For BT function:

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

Ant. 1, Ant. 3 and Ant. 4 could transmit/receive.

For 5GHz function:

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

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

Support diversity function and pre-tested on each single chain, the worst case was port 1 and it was record in this test report.

1.1.3 EUT Information

Operational Condition	
EUT Power Type	From AC Adapter
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-BR(1Mbps)	0.765	1.16	2.883m	500
BT-EDR(2Mbps)	0.759	1.2	2.884m	500
BT-EDR(3Mbps)	0.759	1.2	2.888m	500

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	Rian Chung	23.3~23.5°C / 55~60%	10/Oct/2025
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Johnny Yu	23.4~23.7°C / 52~56%	29/Aug/2025
Radiated	03CH25-HY	Rian Chung	22.3~23.5°C / 52~55%	29/Jul/2025~10/Oct/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%
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	PutTY Release 0.72
Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default
BT-EDR(2Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default
BT-EDR(3Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	20dB Bandwidth Carrier Frequency Separation Maximum Conducted Output Power Number of Hopping Frequencies Hopping Bandedge Time of Occupancy (Dwell Time) Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains ☒ Non-adaptive frequency hopping systems (Non-AFH) ☒ adaptive frequency hopping systems (AFH)
Non-AFH Mode configuration was found to be the worst case and measured during the test.	

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

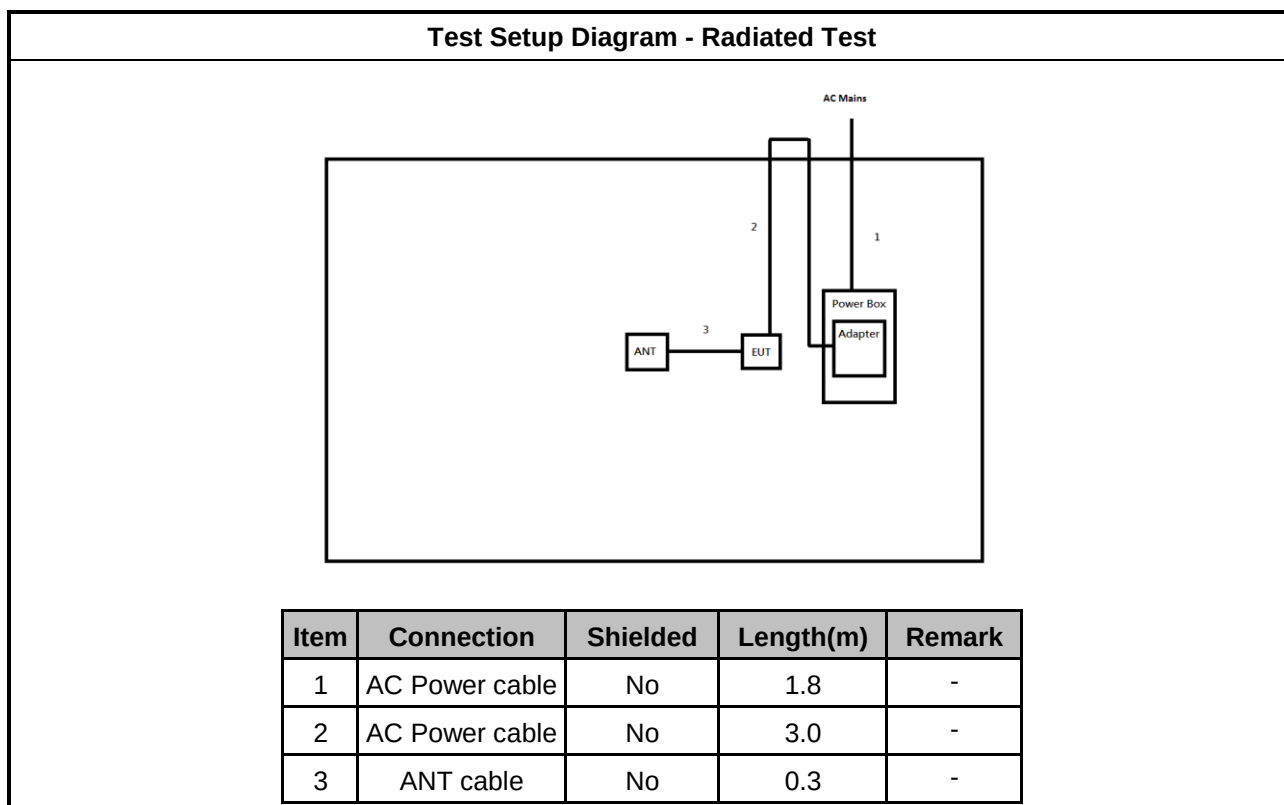
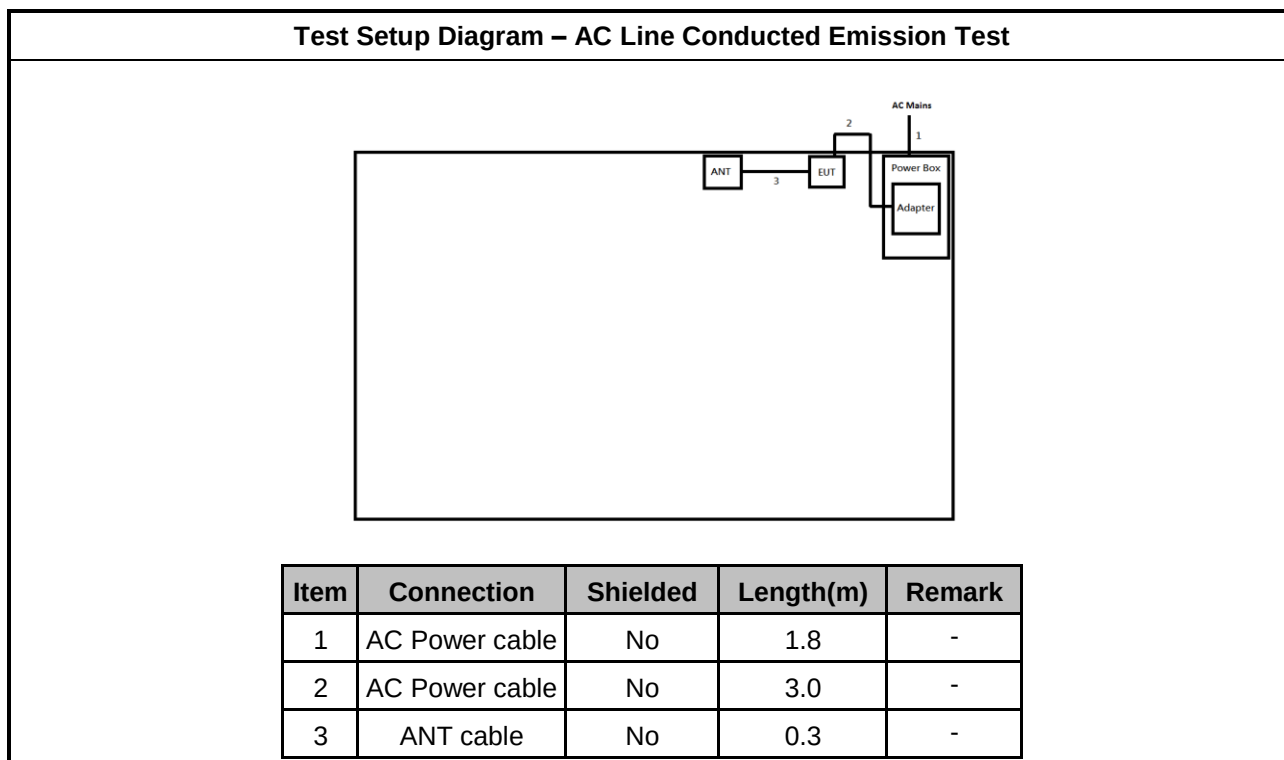
2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	PYS	PYS-12UP120100U	-	-
2	AC Power cable	Power sync	PW-GPC180-3	-	-
3	PIFA Antenna	INPAQ	RFMTA401025IMLB701	-	-
4	Dipole Antenna	LITEON	20301-004790A000	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Adapter	PYS	PYS-12UP120100U	-	-
4	PIFA Antenna	INPAQ	RFFPA321405IMLB304	-	-
5	PIFA Antenna	INPAQ	RFFPA351905IMLB301	-	-
6	PIFA Antenna	INPAQ	RFMTA401025IMLB701	-	-
7	Dipole Antenna	LITEON	20301-004790A000	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	PYS	PYS-12UP120100U	-	-
2	AC Power cable	Power sync	PW-GPC180-3	-	-
3	PIFA Antenna	INPAQ	RFMTA401025IMLB701	-	-
4	Dipole Antenna	LITEON	20301-004790A000	-	-

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

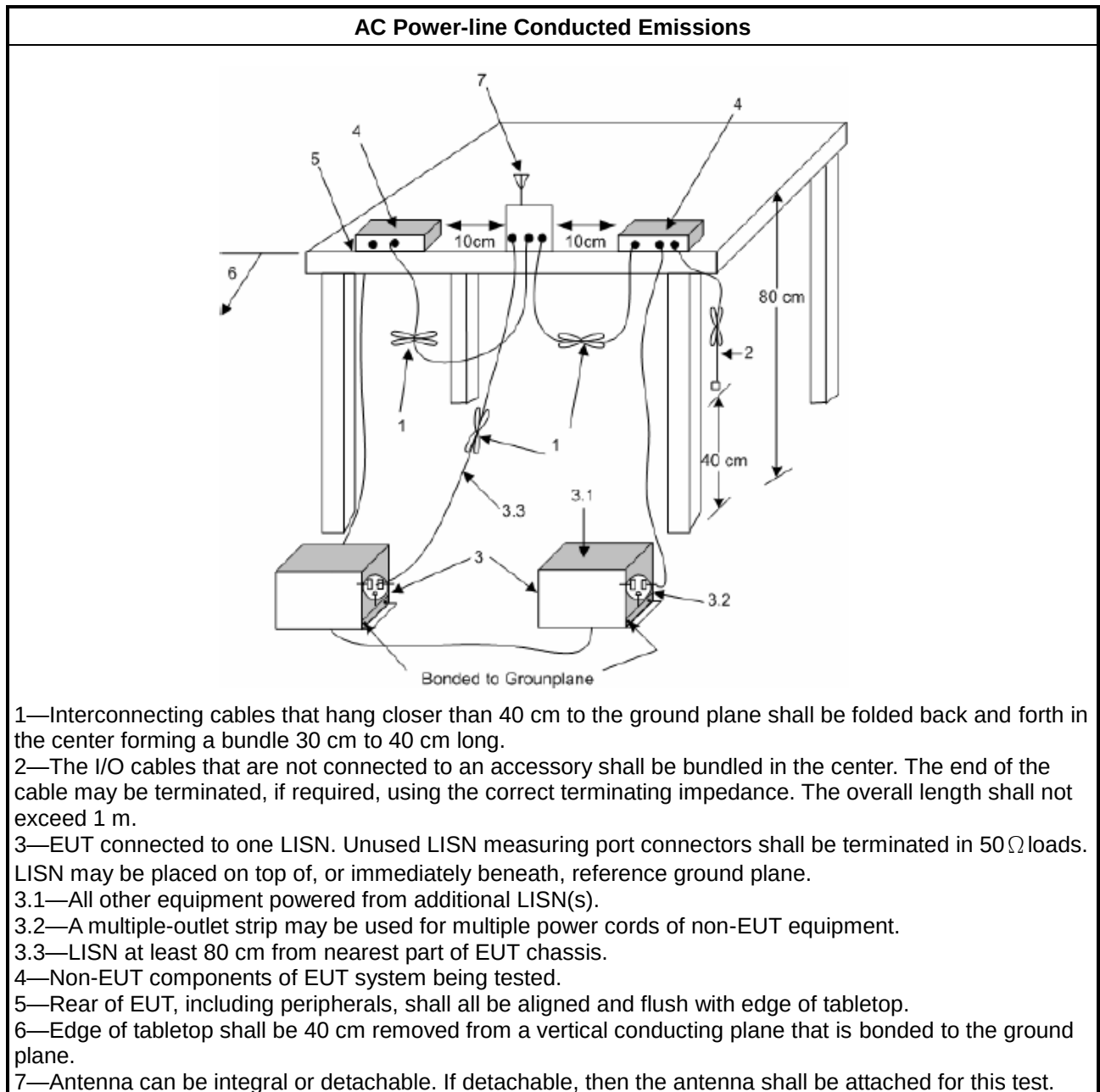
Test Method
▪ Refer as ANSI C63.10, clause 6.2 for AC power-line conducted emissions.

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 20dB Bandwidth and Carrier Frequency Separation

3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪	2400-2483.5 MHz Band:
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	▪ $75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

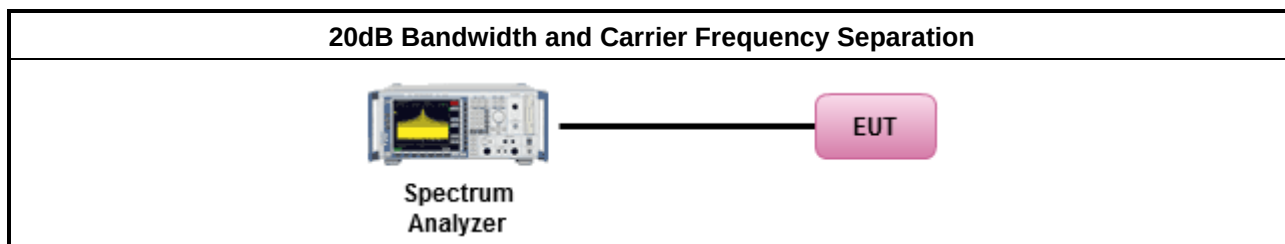
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10, clause 6.9.2 for 20 dB bandwidth measurement.
▪ Refer as ANSI C63.10, clause 7.8.2 for carrier frequency separation measurement.

3.2.4 Test Setup



3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$; Power 30dBm; EIRP 36dBm
	▪ $75 > N \geq 15$; Power 21dBm; EIRP 27dBm
N: Number of Hopping Frequencies	

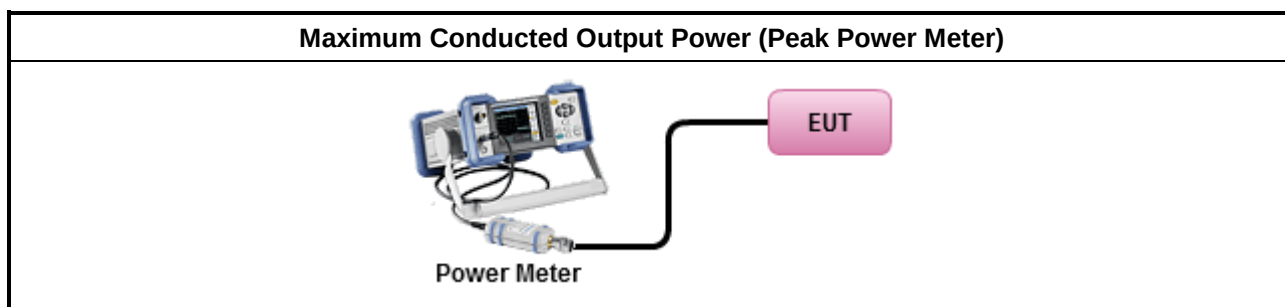
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10, clause 7.8.5 for output power measurement.

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Number of Hopping Frequencies and Hopping Bandedge

3.4.1 Number of Hopping Frequencies Limit

Number of Hopping Frequencies Limit	
2400-2483.5 MHz Band:	
	$N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	$75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
N: Number of Hopping Frequencies; ChS : Hopping Channel Separation	

3.4.2 Hopping Bandedge Limit

Refer clause 3.6.1 and clause 3.7.1

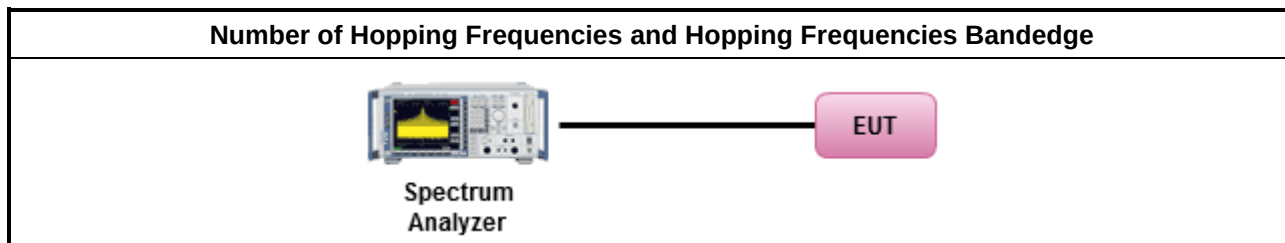
3.4.3 Measuring Instruments

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

3.4.4 Test Procedures

Test Method
Refer as ANSI C63.10, clause 7.8.3 for number of hopping frequencies measurement.
Refer as ANSI C63.10, clause 7.8.7.2 for hopping frequencies Bandedge measurement.

3.4.5 Test Setup



3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

3.5 Time of Occupancy (Dwell Time)

3.5.1 Time of Occupancy (Dwell Time) Limit

Time of Occupancy (Dwell Time) Limit for Frequency Hopping Systems	
2400-2483.5 MHz Band:	
	$N \geq 75$; 0.4s in $N \times 0.4$ period
	$75 > N \geq 15$; 0.4s in $N \times 0.4$ period
N: Number of Hopping Frequencies	

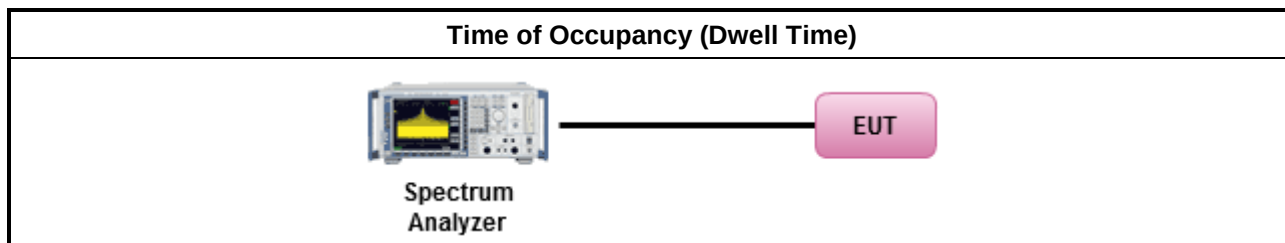
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
Refer as ANSI C63.10, clause 7.8.4 for dwell time measurement.	
Bluetooth ACL packets can be 1, 3, or 5 time slots. Following as dwell time. Operate DH5 at maximum dwell time and maximum duty cycle.	
	The DH5 packet can cover up to 5 time slots. Operate DH5 at maximum dwell time and maximum duty cycle. A maximum length packet has duration of 5 time slots. The hopping rate is 1600 hops/second so the maximum dwell time is $5/1600$ seconds, or 3.125ms. DH5 Packet permit maximum $1600 / 79 / 6 = 3.37$ hops per second in each channel.

3.5.4 Test Setup



3.5.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

3.6 Emissions in Non-restricted Frequency Bands

3.6.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
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 PSD level.	

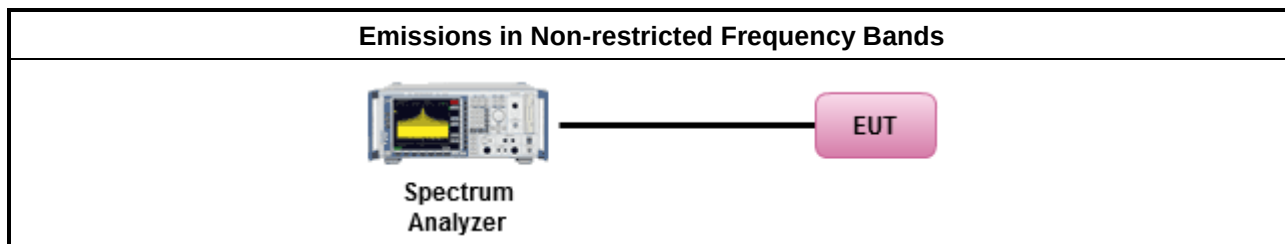
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
Refer as ANSI C63.10, clause 7.8.7 for unwanted emissions into non-restricted bands.

3.6.4 Test Setup



3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F

3.7 Emissions in Restricted Frequency Bands

3.7.1 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.

3.7.2 Measuring Instruments

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

3.7.3 Test Procedures

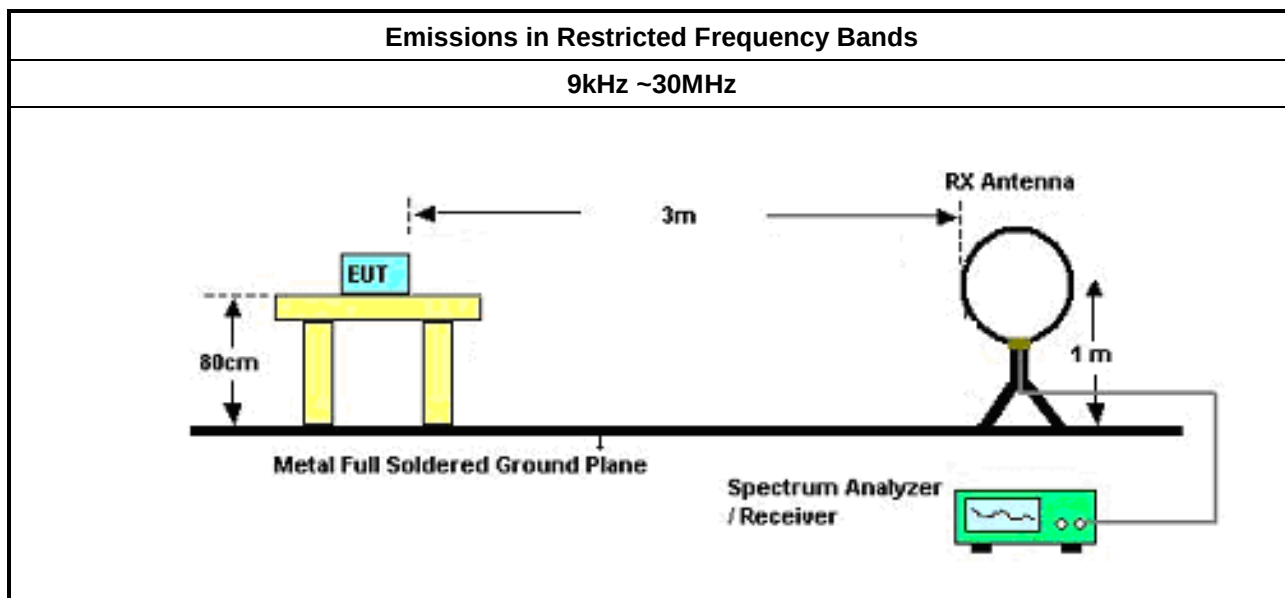
Test Method	
	The average emission levels shall be measured in [hopping duty factor].
	Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
	For the transmitter unwanted emissions shall be measured using following options below:
	- Refer as ANSI C63.10, clause 4.1.5.2.1 QP value. - Refer as ANSI C63.10, clause 4.1.5.2.2 measurement procedure peak. - Refer as ANSI C63.10, clause 4.1.5.2.5 average value of hopping pulsed emissions.
	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.

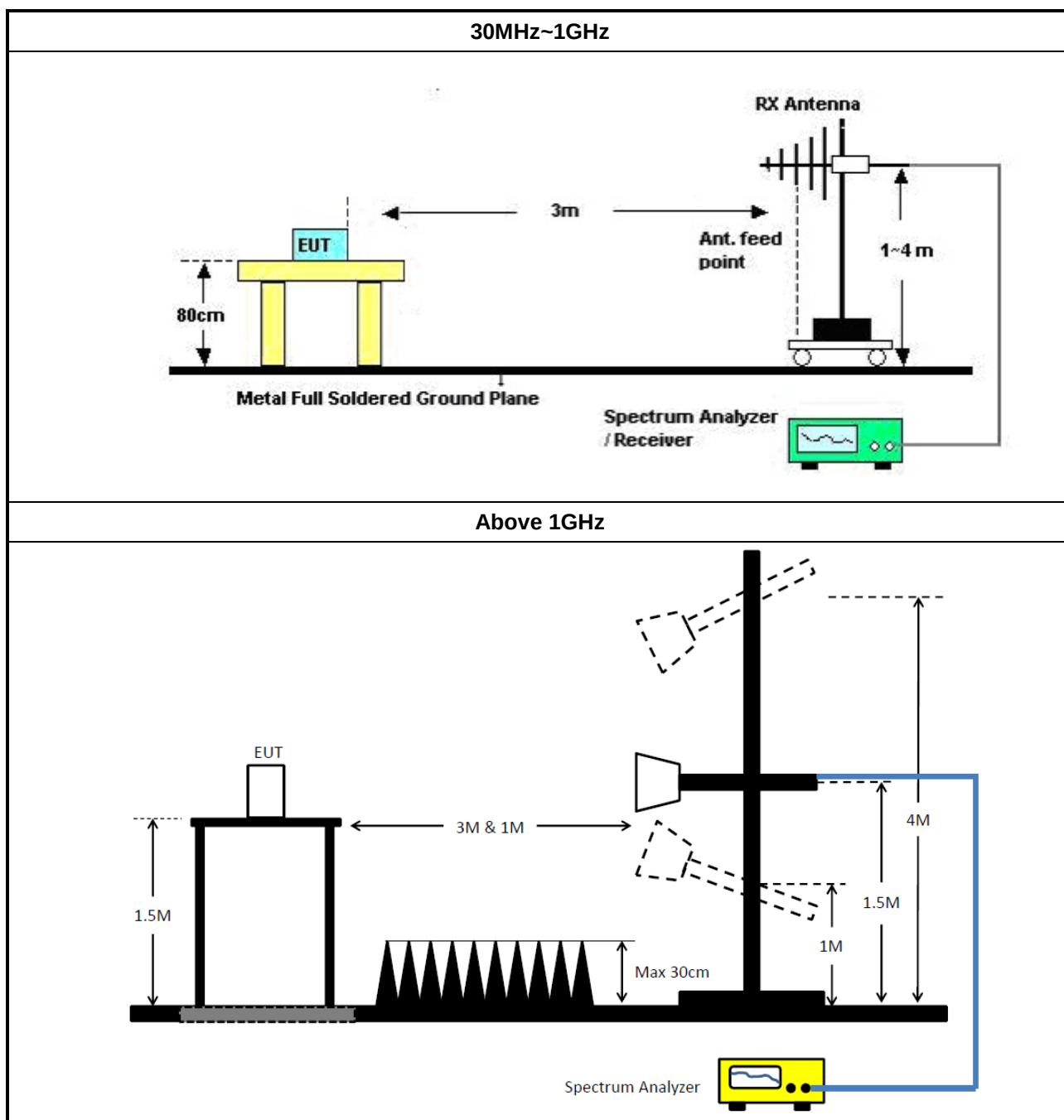
3.7.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.7.5 Test Setup





3.7.6 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.

3.7.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	21/May/2025	20/May/2026
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	100003	9kHz ~ 30MHz	18/Apr/2025	17/Apr/2026
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	26/Feb/2025	25/Feb/2026
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	17/Oct/2024	16/Oct/2025
Software	Sporton	SENSE-EMI	V5.11.6	-	NCR	NCR

NCR: No Calibration Required

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	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	08/Aug/2024	07/Aug/2025
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	07/Aug/2025	06/Aug/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
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	04/Oct/2024	03/Oct/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	9kHz~1GHz	23/Apr/2025	22/Apr/2026
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	15/Feb/2025	14/Feb/2026
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

**Instrument for Conducted Test**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	28/Oct/2024	27/Oct/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	28/Mar/2025	27/Mar/2026
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	28/Mar/2025	27/Mar/2026
SENSE-15247_FS	Sporton	V5.11.27	N/A	N/A	01/Oct/2022	02/Nov/2030



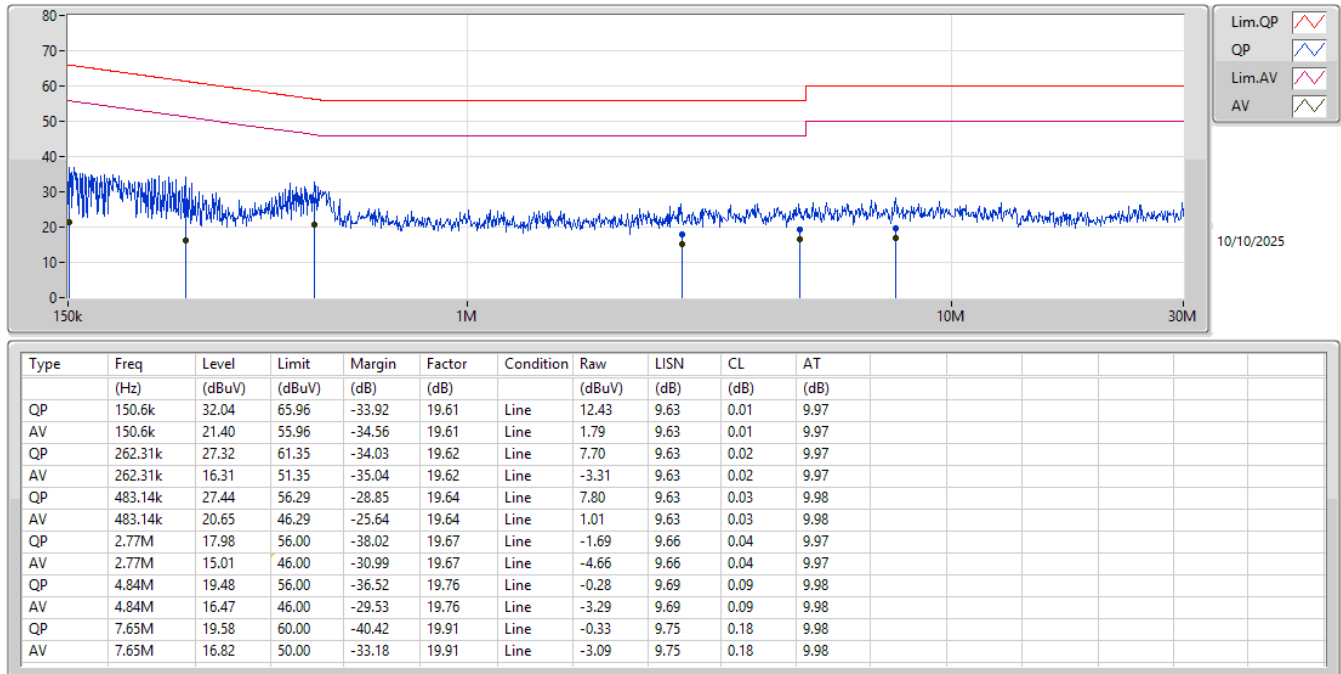
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	494.85k	30.97	46.10	-15.13	Neutral

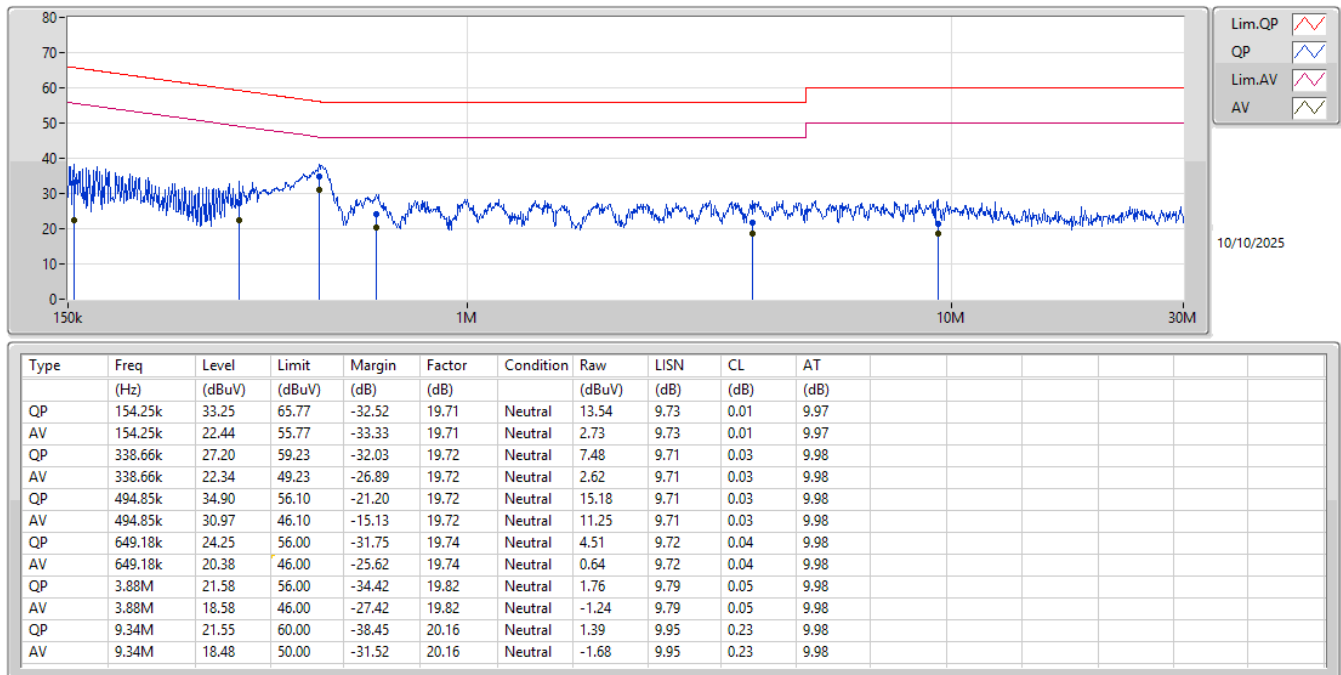
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150.6k	32.04	65.96	-33.92	Line
Mode 1	Pass	AV	150.6k	21.40	55.96	-34.56	Line
Mode 1	Pass	QP	262.31k	27.32	61.35	-34.03	Line
Mode 1	Pass	AV	262.31k	16.31	51.35	-35.04	Line
Mode 1	Pass	QP	483.14k	27.44	56.29	-28.85	Line
Mode 1	Pass	AV	483.14k	20.65	46.29	-25.64	Line
Mode 1	Pass	QP	2.77M	17.98	56.00	-38.02	Line
Mode 1	Pass	AV	2.77M	15.01	46.00	-30.99	Line
Mode 1	Pass	QP	4.84M	19.48	56.00	-36.52	Line
Mode 1	Pass	AV	4.84M	16.47	46.00	-29.53	Line
Mode 1	Pass	QP	7.65M	19.58	60.00	-40.42	Line
Mode 1	Pass	AV	7.65M	16.82	50.00	-33.18	Line
Mode 1	Pass	QP	154.25k	33.25	65.77	-32.52	Neutral
Mode 1	Pass	AV	154.25k	22.44	55.77	-33.33	Neutral
Mode 1	Pass	QP	338.66k	27.20	59.23	-32.03	Neutral
Mode 1	Pass	AV	338.66k	22.34	49.23	-26.89	Neutral
Mode 1	Pass	QP	494.85k	34.90	56.10	-21.20	Neutral
Mode 1	Pass	AV	494.85k	30.97	46.10	-15.13	Neutral
Mode 1	Pass	QP	649.18k	24.25	56.00	-31.75	Neutral
Mode 1	Pass	AV	649.18k	20.38	46.00	-25.62	Neutral
Mode 1	Pass	QP	3.88M	21.58	56.00	-34.42	Neutral
Mode 1	Pass	AV	3.88M	18.58	46.00	-27.42	Neutral
Mode 1	Pass	QP	9.34M	21.55	60.00	-38.45	Neutral
Mode 1	Pass	AV	9.34M	18.48	50.00	-31.52	Neutral

Conducted Emissions at Powerline_Mode 1



Conducted Emissions at Powerline_Mode 1





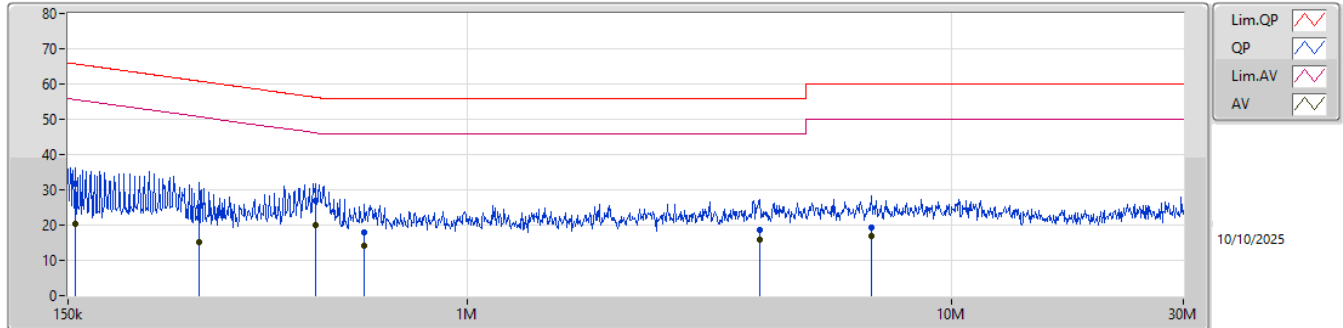
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	502.81k	33.22	46.00	-12.78	Neutral

Result

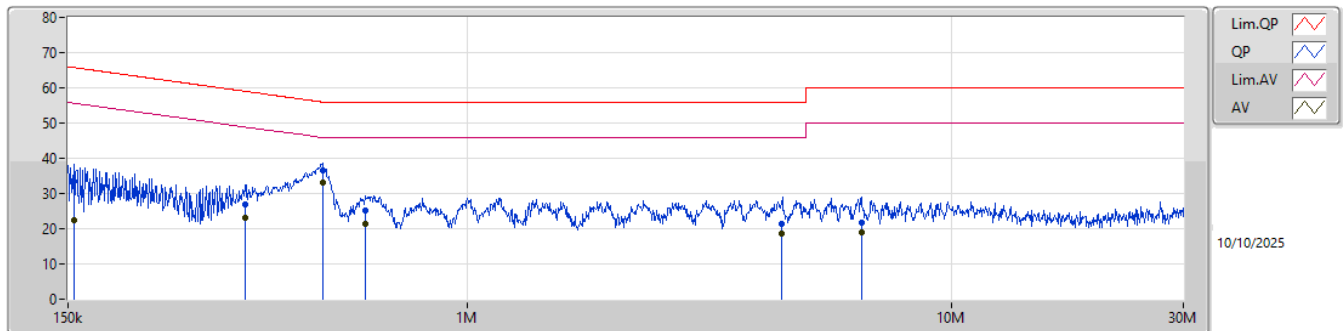
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	155.49k	31.59	65.69	-34.10	Line
Mode 1	Pass	AV	155.49k	20.21	55.69	-35.48	Line
Mode 1	Pass	QP	279.61k	25.04	60.82	-35.78	Line
Mode 1	Pass	AV	279.61k	15.03	50.82	-35.79	Line
Mode 1	Pass	QP	485.07k	26.74	56.25	-29.51	Line
Mode 1	Pass	AV	485.07k	20.15	46.25	-26.10	Line
Mode 1	Pass	QP	613.89k	17.89	56.00	-38.11	Line
Mode 1	Pass	AV	613.89k	14.01	46.00	-31.99	Line
Mode 1	Pass	QP	4.01M	18.79	56.00	-37.21	Line
Mode 1	Pass	AV	4.01M	15.95	46.00	-30.05	Line
Mode 1	Pass	QP	6.82M	19.40	60.00	-40.60	Line
Mode 1	Pass	AV	6.82M	16.80	50.00	-33.20	Line
Mode 1	Pass	QP	154.25k	33.39	65.77	-32.38	Neutral
Mode 1	Pass	AV	154.25k	22.58	55.77	-33.19	Neutral
Mode 1	Pass	QP	348.26k	27.01	59.00	-31.99	Neutral
Mode 1	Pass	AV	348.26k	22.94	49.00	-26.06	Neutral
Mode 1	Pass	QP	502.81k	36.39	56.00	-19.61	Neutral
Mode 1	Pass	AV	502.81k	33.22	46.00	-12.78	Neutral
Mode 1	Pass	QP	616.35k	25.20	56.00	-30.80	Neutral
Mode 1	Pass	AV	616.35k	21.37	46.00	-24.63	Neutral
Mode 1	Pass	QP	4.46M	21.55	56.00	-34.45	Neutral
Mode 1	Pass	AV	4.46M	18.73	46.00	-27.27	Neutral
Mode 1	Pass	QP	6.5M	21.65	60.00	-38.35	Neutral
Mode 1	Pass	AV	6.5M	18.94	50.00	-31.06	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	155.49k	31.59	65.69	-34.10	19.61	Line	11.98	9.63	0.01	9.97								
AV	155.49k	20.21	55.69	-35.48	19.61	Line	0.60	9.63	0.01	9.97								
QP	279.61k	25.04	60.82	-35.78	19.62	Line	5.42	9.63	0.02	9.97								
AV	279.61k	15.03	50.82	-35.79	19.62	Line	-4.59	9.63	0.02	9.97								
QP	485.07k	26.74	56.25	-29.51	19.64	Line	7.10	9.63	0.03	9.98								
AV	485.07k	20.15	46.25	-26.10	19.64	Line	0.51	9.63	0.03	9.98								
QP	613.89k	17.89	56.00	-38.11	19.65	Line	-1.76	9.63	0.04	9.98								
AV	613.89k	14.01	46.00	-31.99	19.65	Line	-5.64	9.63	0.04	9.98								
QP	4.01M	18.79	56.00	-37.21	19.70	Line	-0.91	9.67	0.05	9.98								
AV	4.01M	15.95	46.00	-30.05	19.70	Line	-3.75	9.67	0.05	9.98								
QP	6.82M	19.40	60.00	-40.60	19.87	Line	-0.47	9.73	0.16	9.98								
AV	6.82M	16.80	50.00	-33.20	19.87	Line	-3.07	9.73	0.16	9.98								

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	154.25k	33.39	65.77	-32.38	19.71	Neutral	13.68	9.73	0.01	9.97								
AV	154.25k	22.58	55.77	-33.19	19.71	Neutral	2.87	9.73	0.01	9.97								
QP	348.26k	27.01	59.00	-31.99	19.72	Neutral	7.29	9.71	0.03	9.98								
AV	348.26k	22.94	49.00	-26.06	19.72	Neutral	3.22	9.71	0.03	9.98								
QP	502.81k	36.39	56.00	-19.61	19.72	Neutral	16.67	9.71	0.03	9.98								
AV	502.81k	33.22	46.00	-12.78	19.72	Neutral	13.50	9.71	0.03	9.98								
QP	616.35k	25.20	56.00	-30.80	19.73	Neutral	5.47	9.71	0.04	9.98								
AV	616.35k	21.37	46.00	-24.63	19.73	Neutral	1.64	9.71	0.04	9.98								
QP	4.46M	21.55	56.00	-34.45	19.86	Neutral	1.69	9.81	0.07	9.98								
AV	4.46M	18.73	46.00	-27.27	19.86	Neutral	-1.13	9.81	0.07	9.98								
QP	6.5M	21.65	60.00	-38.35	20.01	Neutral	1.64	9.88	0.15	9.98								
AV	6.5M	18.94	50.00	-31.06	20.01	Neutral	-1.07	9.88	0.15	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-BR(1Mbps)	992.75k	875.812k	876KF1D	929.5k	865.817k
BT-EDR(2Mbps)	1.339M	1.214M	1M21G1D	1.328M	1.193M
BT-EDR(3Mbps)	1.364M	1.214M	1M21G1D	1.26M	1.194M

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	992.75k	865.817k
2440MHz	Pass	Inf	929.5k	865.817k
2480MHz	Pass	Inf	929.5k	875.812k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.337M	1.214M
2440MHz	Pass	Inf	1.339M	1.193M
2480MHz	Pass	Inf	1.328M	1.212M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.26M	1.196M
2440MHz	Pass	Inf	1.312M	1.194M
2480MHz	Pass	Inf	1.364M	1.214M

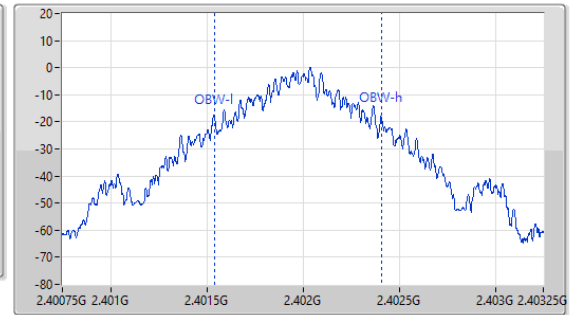
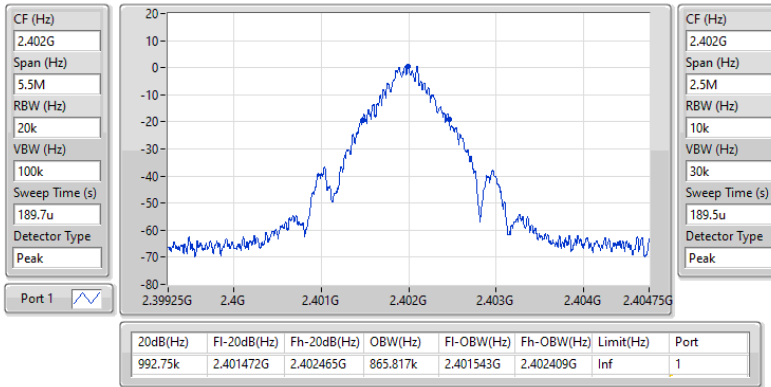
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-BR(1Mbps)

EBW-FS

2402MHz

29/08/2025

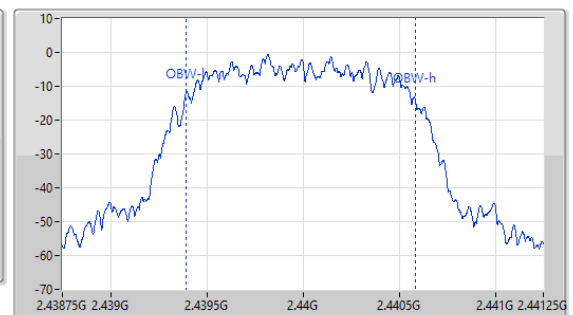
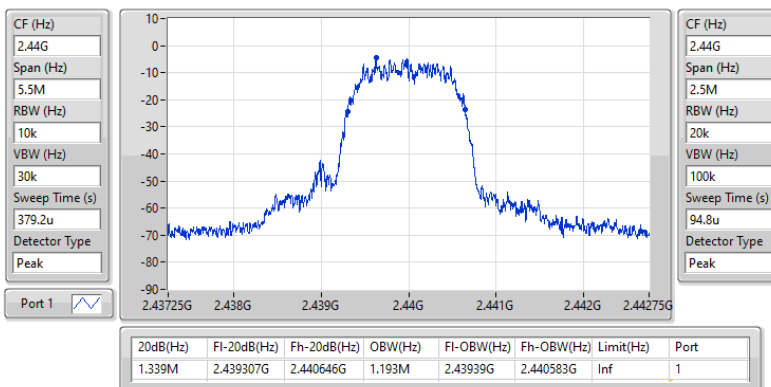


2.4-2.4835GHz_BT-EDR(2Mbps)

EBW-FS

2440MHz

29/08/2025

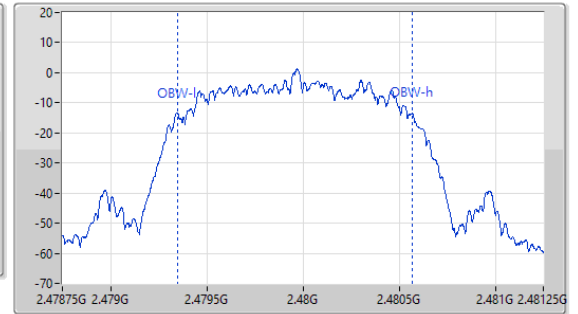
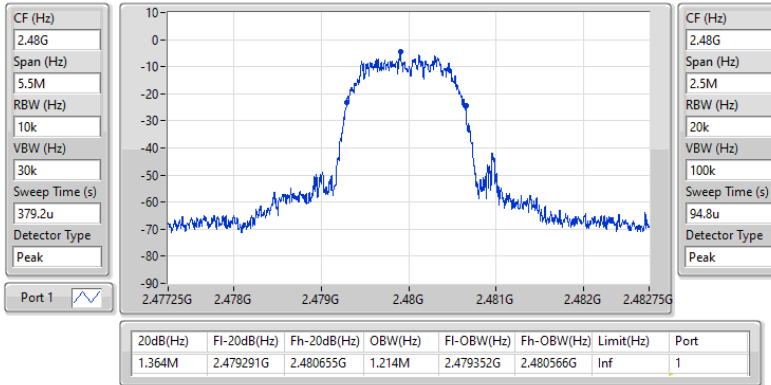


2.4-2.4835GHz_BT-EDR(3Mbps)

EBW-FS

2480MHz

29/08/2025





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-BR(1Mbps)	992.75k	875.812k	876KF1D	929.5k	865.817k
BT-EDR(2Mbps)	1.339M	1.214M	1M21G1D	1.328M	1.193M
BT-EDR(3Mbps)	1.364M	1.214M	1M21G1D	1.26M	1.194M

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	992.75k	865.817k
2440MHz	Pass	Inf	929.5k	865.817k
2480MHz	Pass	Inf	929.5k	875.812k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.337M	1.214M
2440MHz	Pass	Inf	1.339M	1.193M
2480MHz	Pass	Inf	1.328M	1.212M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.26M	1.196M
2440MHz	Pass	Inf	1.312M	1.194M
2480MHz	Pass	Inf	1.364M	1.214M

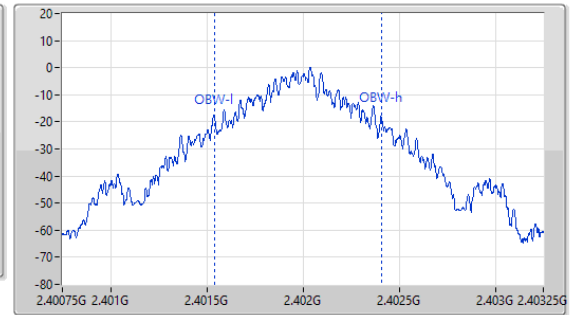
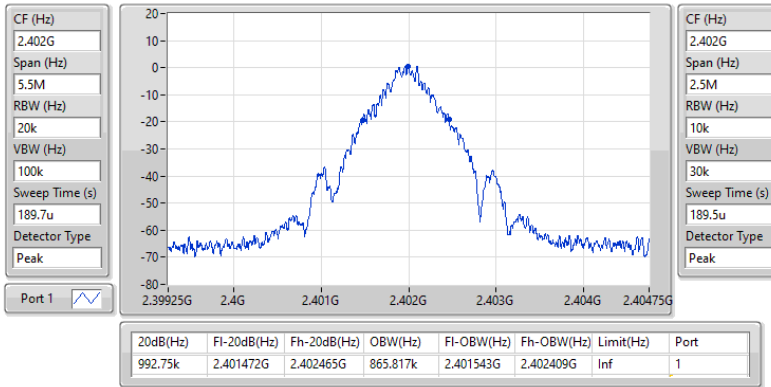
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-BR(1Mbps)

EBW-FS

2402MHz

29/08/2025

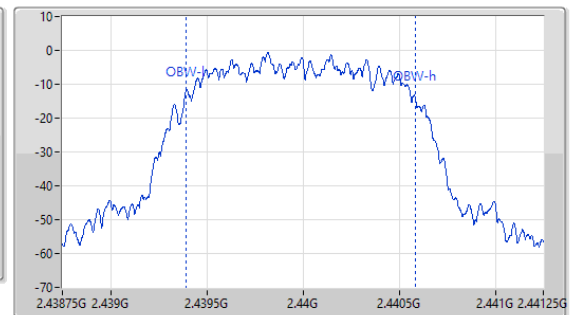
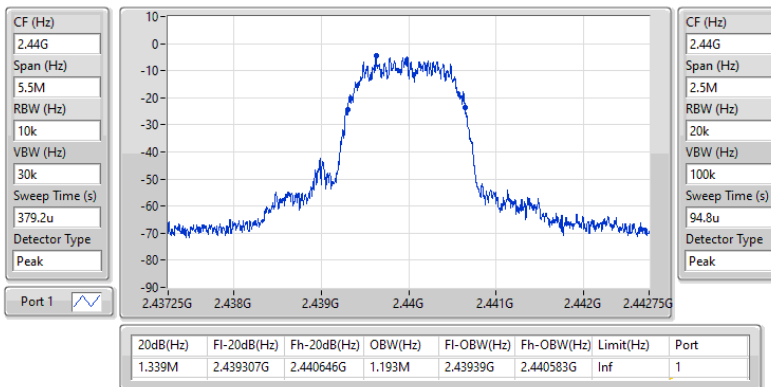


2.4-2.4835GHz_BT-EDR(2Mbps)

EBW-FS

2440MHz

29/08/2025

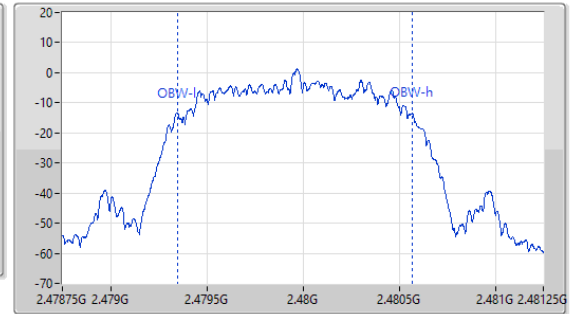
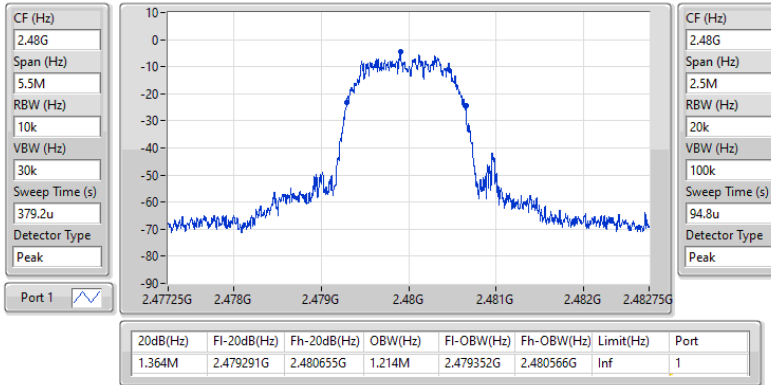


2.4-2.4835GHz_BT-EDR(3Mbps)

EBW-FS

2480MHz

29/08/2025





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.002M	997.5k
BT-EDR(2Mbps)	1.0035M	993k
BT-EDR(3Mbps)	1.002M	1.0005M

Result

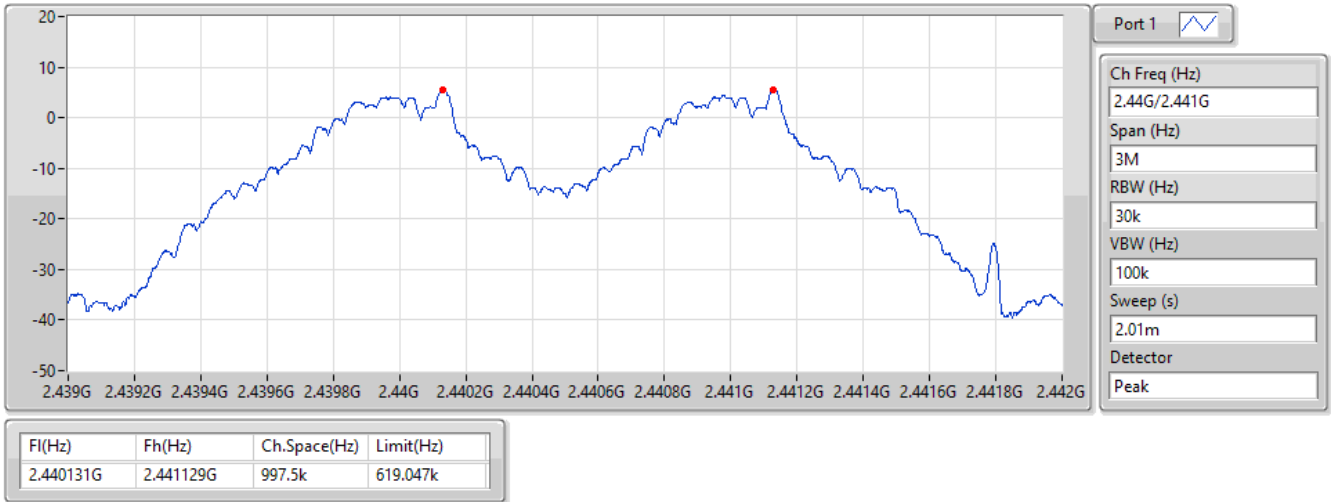
Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402137G	2.403138G	1.0005M	661.1715k
2440MHz	Pass	2.440131G	2.441129G	997.5k	619.047k
2480MHz	Pass	2.479122G	2.480124G	1.002M	619.047k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.401981G	2.402985G	1.0035M	890.442k
2440MHz	Pass	2.439984G	2.440977G	993k	891.774k
2480MHz	Pass	2.478969G	2.479967G	997.5k	884.448k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402136G	2.403136G	1.0005M	839.16k
2440MHz	Pass	2.44013G	2.44113G	1.0005M	873.792k
2480MHz	Pass	2.479121G	2.480123G	1.002M	908.424k

2.4-2.4835GHz_BT-BR(1Mbps)

Channel Separation-FS

2.44G/2.441GHz

29/08/2025

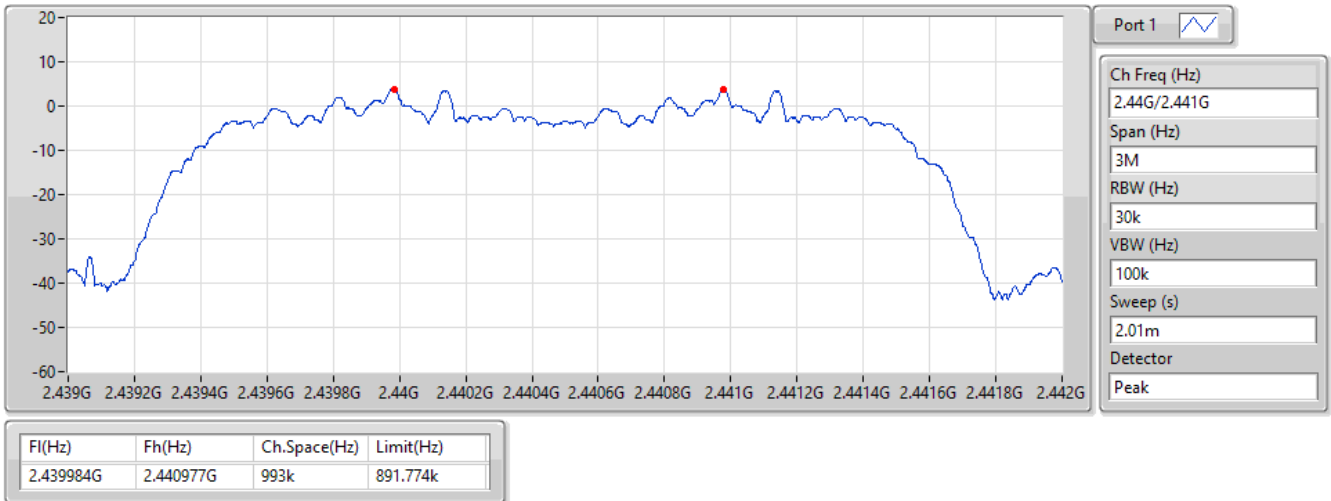


2.4-2.4835GHz_BT-EDR(2Mbps)

Channel Separation-FS

2.44G/2.441GHz

29/08/2025

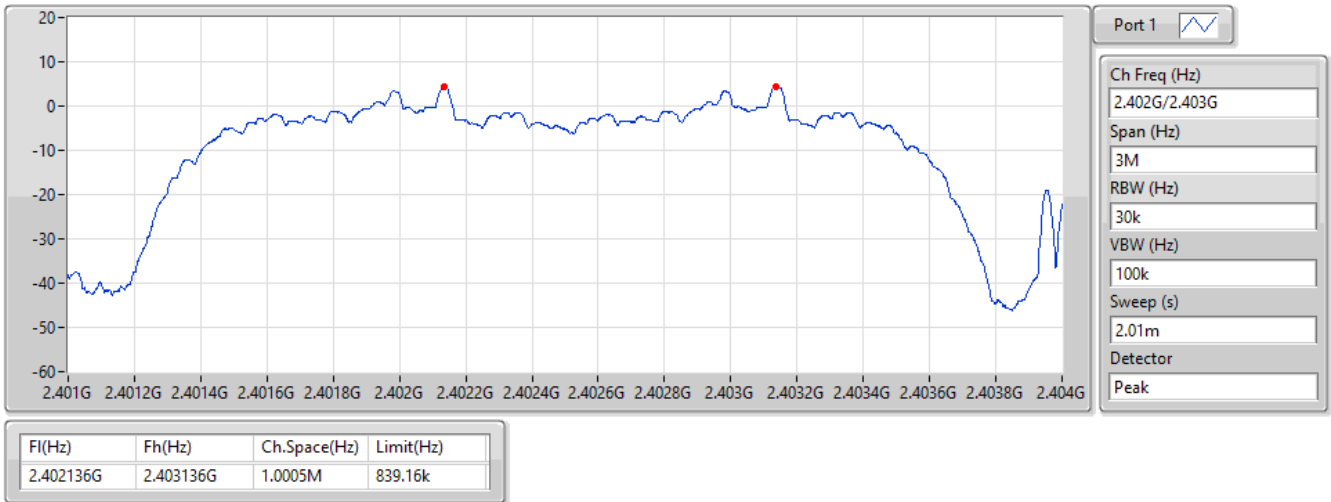


2.4-2.4835GHz_BT-EDR(3Mbps)

Channel Separation-FS

2.402G/2.403GHz

29/08/2025





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.002M	997.5k
BT-EDR(2Mbps)	1.0035M	993k
BT-EDR(3Mbps)	1.002M	1.0005M

Result

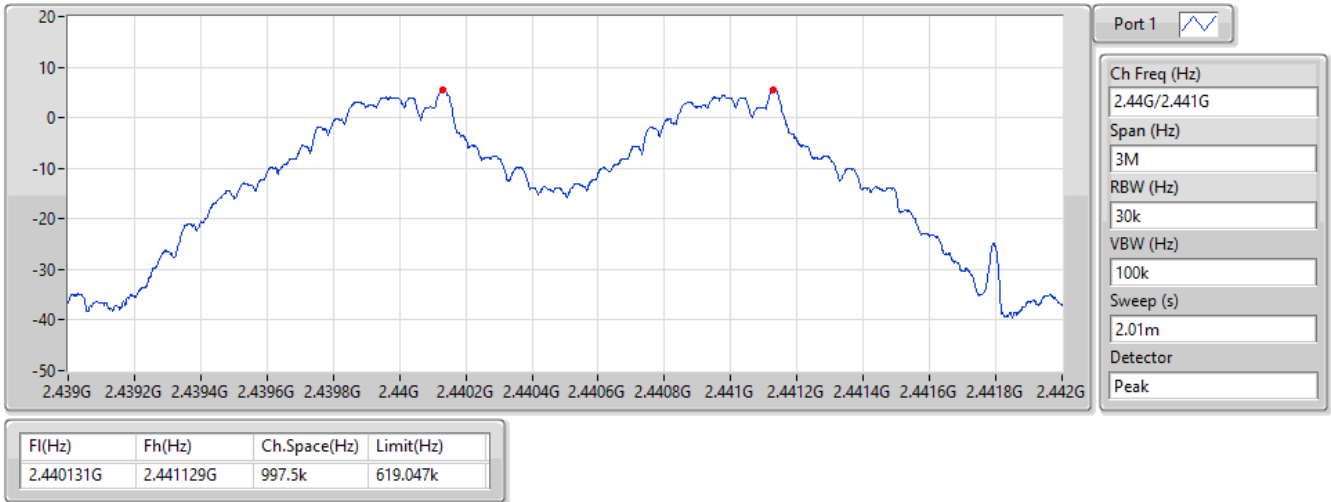
Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402137G	2.403138G	1.0005M	661.1715k
2440MHz	Pass	2.440131G	2.441129G	997.5k	619.047k
2480MHz	Pass	2.479122G	2.480124G	1.002M	619.047k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.401981G	2.402985G	1.0035M	890.442k
2440MHz	Pass	2.439984G	2.440977G	993k	891.774k
2480MHz	Pass	2.478969G	2.479967G	997.5k	884.448k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402136G	2.403136G	1.0005M	839.16k
2440MHz	Pass	2.44013G	2.44113G	1.0005M	873.792k
2480MHz	Pass	2.479121G	2.480123G	1.002M	908.424k

2.4-2.4835GHz_BT-BR(1Mbps)

Channel Separation-FS

2.44G/2.441GHz

29/08/2025

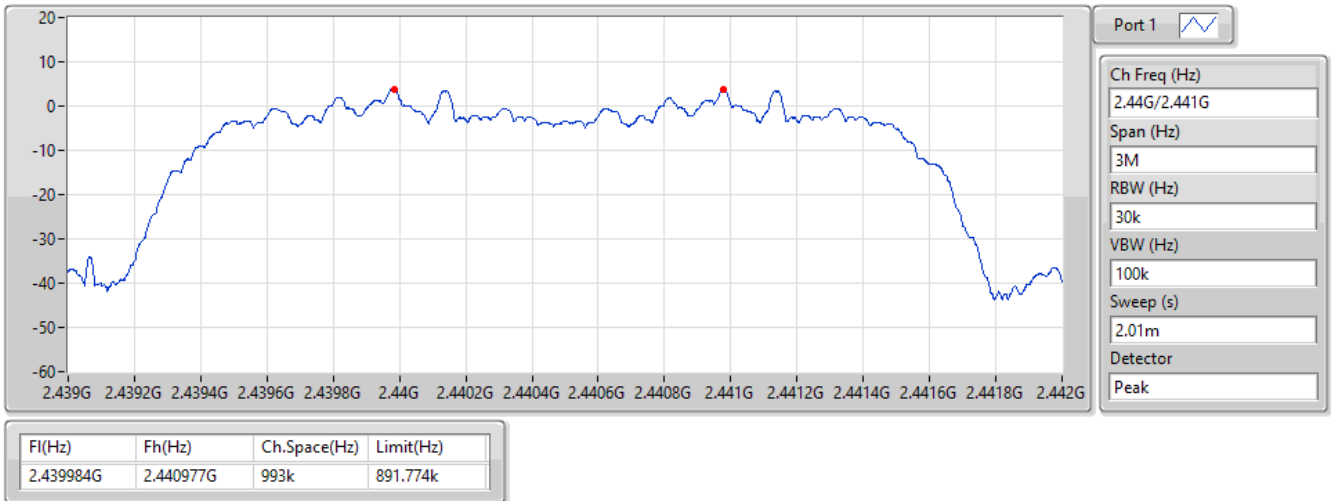


2.4-2.4835GHz_BT-EDR(2Mbps)

Channel Separation-FS

2.44G/2.441GHz

29/08/2025

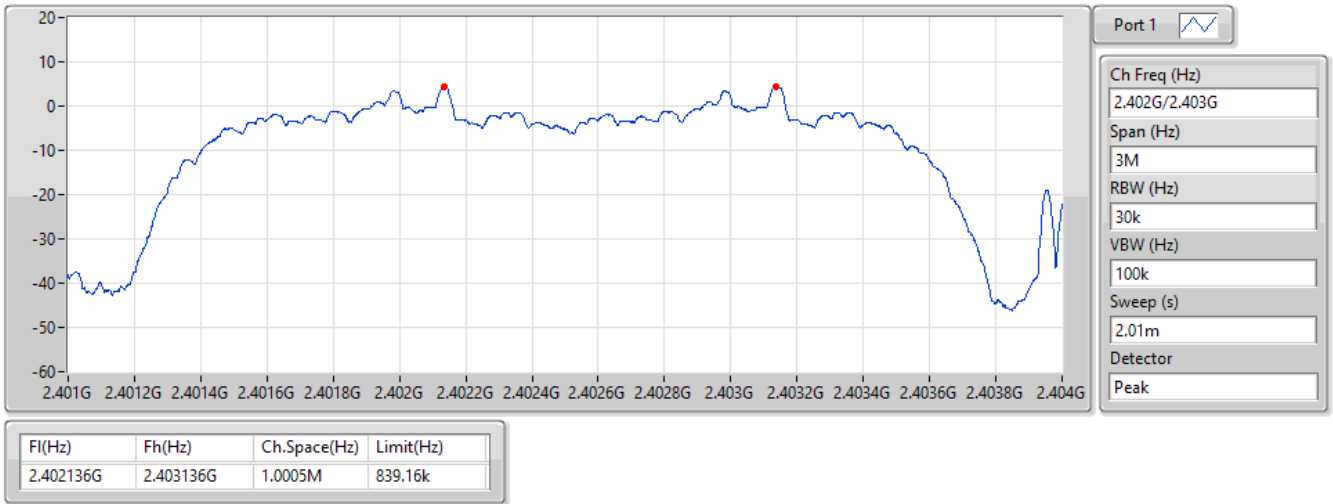


2.4-2.4835GHz_BT-EDR(3Mbps)

Channel Separation-FS

2.402G/2.403GHz

29/08/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	7.92	0.00619
BT-EDR(2Mbps)	9.53	0.00897
BT-EDR(3Mbps)	9.60	0.00912



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	3.68	7.58	21.00
2440MHz	Pass	3.68	7.92	21.00
2480MHz	Pass	3.68	7.54	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	3.68	9.41	21.00
2440MHz	Pass	3.68	9.53	21.00
2480MHz	Pass	3.68	9.27	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	3.68	9.53	21.00
2440MHz	Pass	3.68	9.60	21.00
2480MHz	Pass	3.68	9.41	21.00

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-BR(1Mbps)	7.44	0.00555
BT-EDR(2Mbps)	6.83	0.00482
BT-EDR(3Mbps)	6.75	0.00473



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	3.68	7.13	21.00
2440MHz	Pass	3.68	7.44	21.00
2480MHz	Pass	3.68	7.10	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	3.68	6.70	21.00
2440MHz	Pass	3.68	6.83	21.00
2480MHz	Pass	3.68	6.56	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	3.68	6.62	21.00
2440MHz	Pass	3.68	6.75	21.00
2480MHz	Pass	3.68	6.54	21.00

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-BR(1Mbps)	7.92	0.00619
BT-EDR(2Mbps)	9.53	0.00897
BT-EDR(3Mbps)	9.60	0.00912



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	3.53	7.58	21.00
2440MHz	Pass	3.53	7.92	21.00
2480MHz	Pass	3.53	7.54	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	3.53	9.41	21.00
2440MHz	Pass	3.53	9.53	21.00
2480MHz	Pass	3.53	9.27	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	3.53	9.53	21.00
2440MHz	Pass	3.53	9.60	21.00
2480MHz	Pass	3.53	9.41	21.00

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-BR(1Mbps)	7.44	0.00555
BT-EDR(2Mbps)	6.83	0.00482
BT-EDR(3Mbps)	6.75	0.00473

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	3.53	7.13	21.00
2440MHz	Pass	3.53	7.44	21.00
2480MHz	Pass	3.53	7.10	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	3.53	6.70	21.00
2440MHz	Pass	3.53	6.83	21.00
2480MHz	Pass	3.53	6.56	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	3.53	6.62	21.00
2440MHz	Pass	3.53	6.75	21.00
2480MHz	Pass	3.53	6.54	21.00

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



Summary

Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

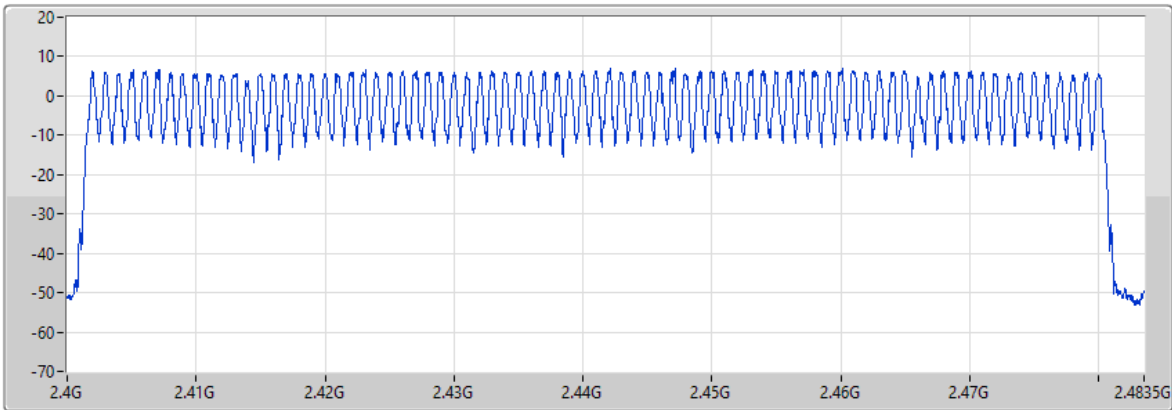
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15

2.4-2.4835GHz_BT-BR(1Mbps)

Hopping-FS

2440MHz

29/08/2025



Port 1 

Hopping No
79

Span (Hz)
83.5M

RBW (Hz)
100k

VBW (Hz)
300kHz

Sweep (s)
132.6us

Detector
Peak

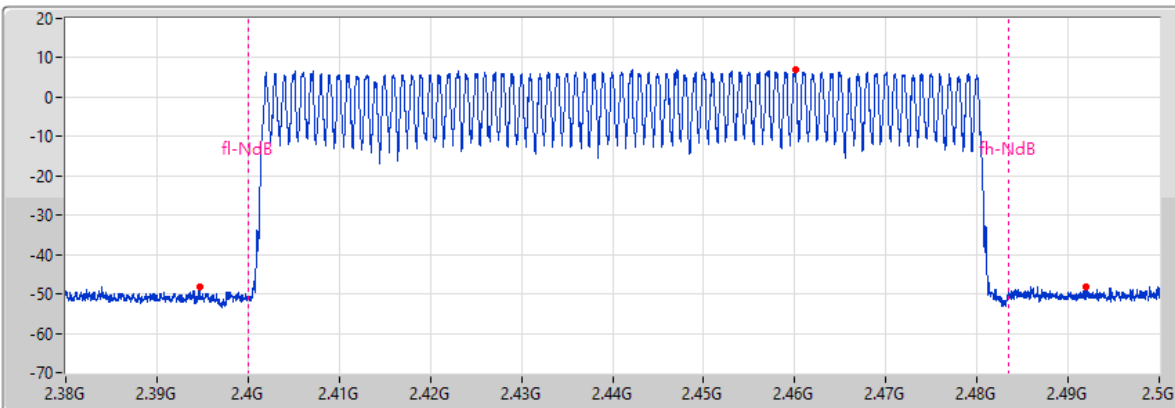
Hopping No	Limit
79	15

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

29/08/2025



Port 1 

Span (Hz)
120M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep (s)
132.6u

Detector
Peak

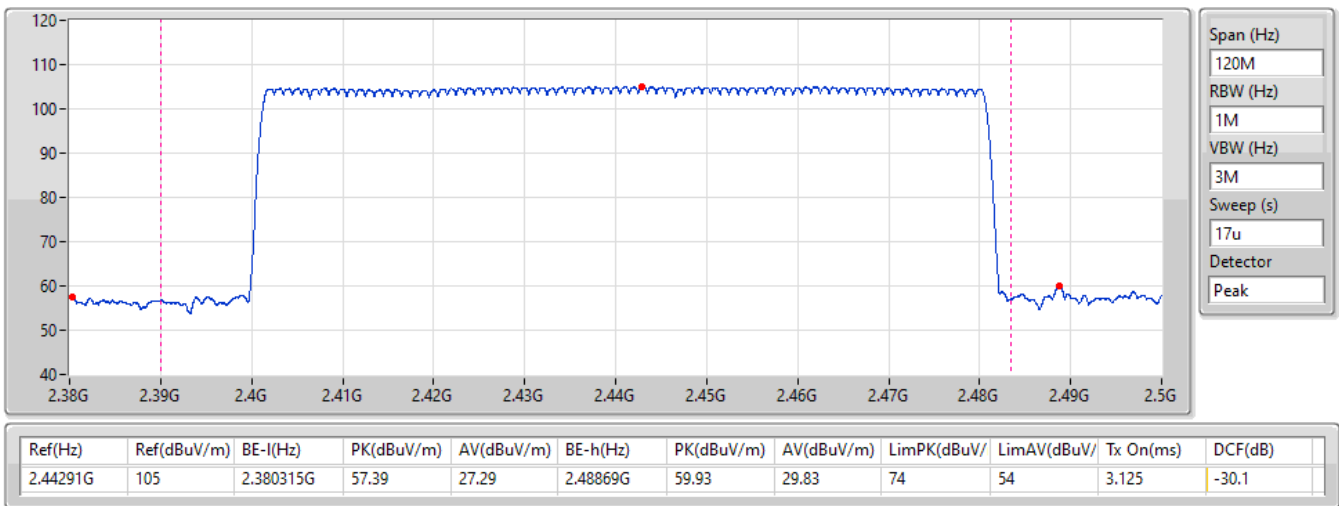
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-13.09	2.46013G	6.91	2.394655G	-48.25	2.49199G	-48.06

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

29/08/2025

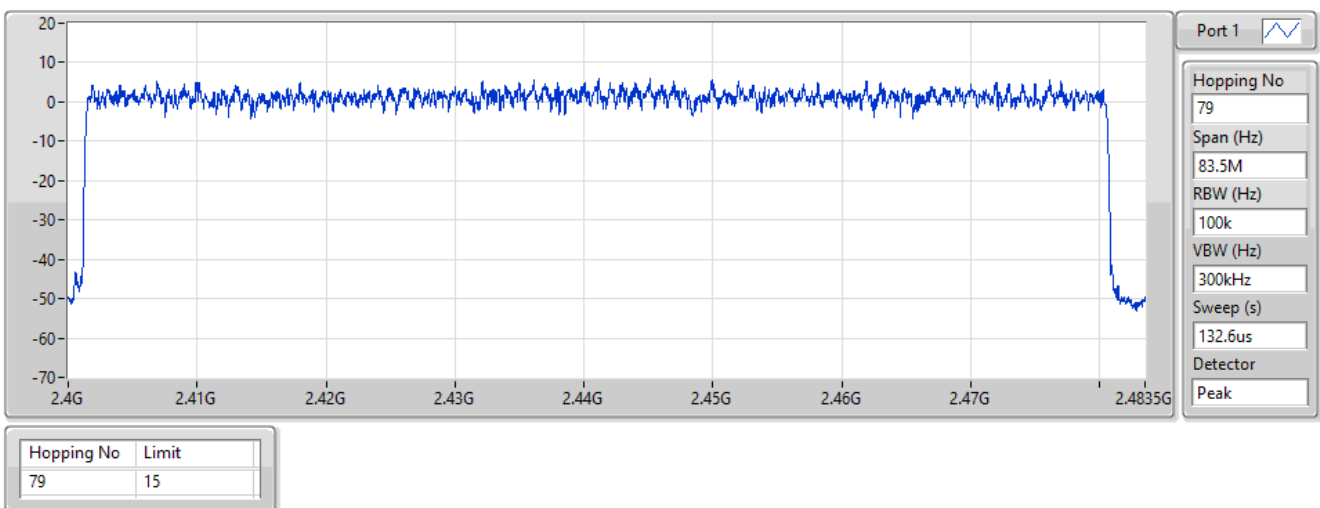


2.4-2.4835GHz_BT-EDR(2Mbps)

Hopping-FS

2440MHz

29/08/2025

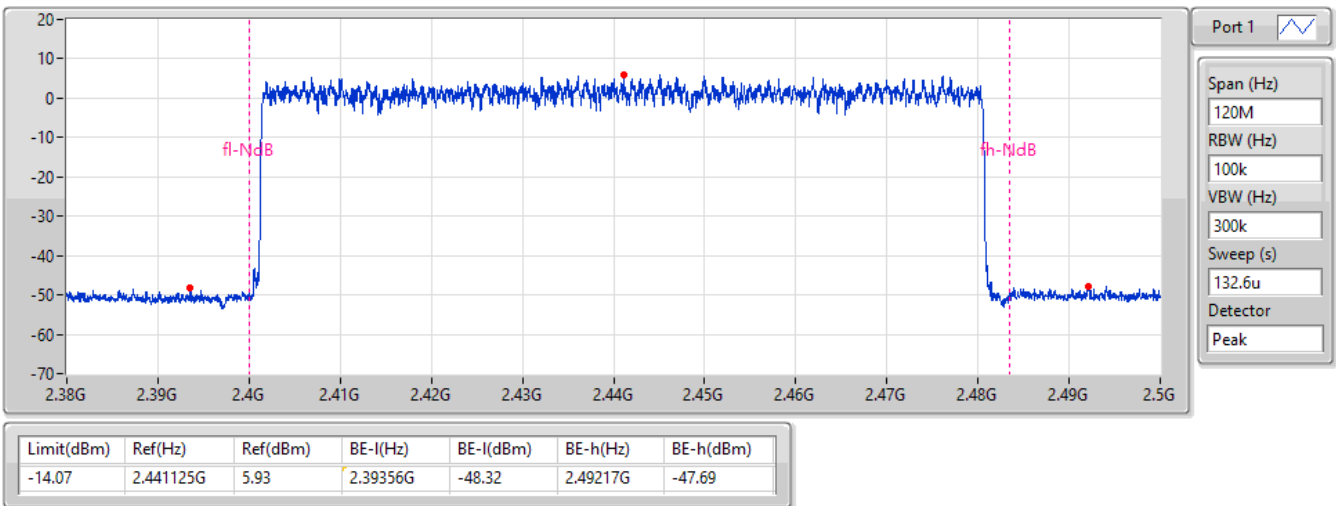


2.4-2.4835GHz_BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

29/08/2025

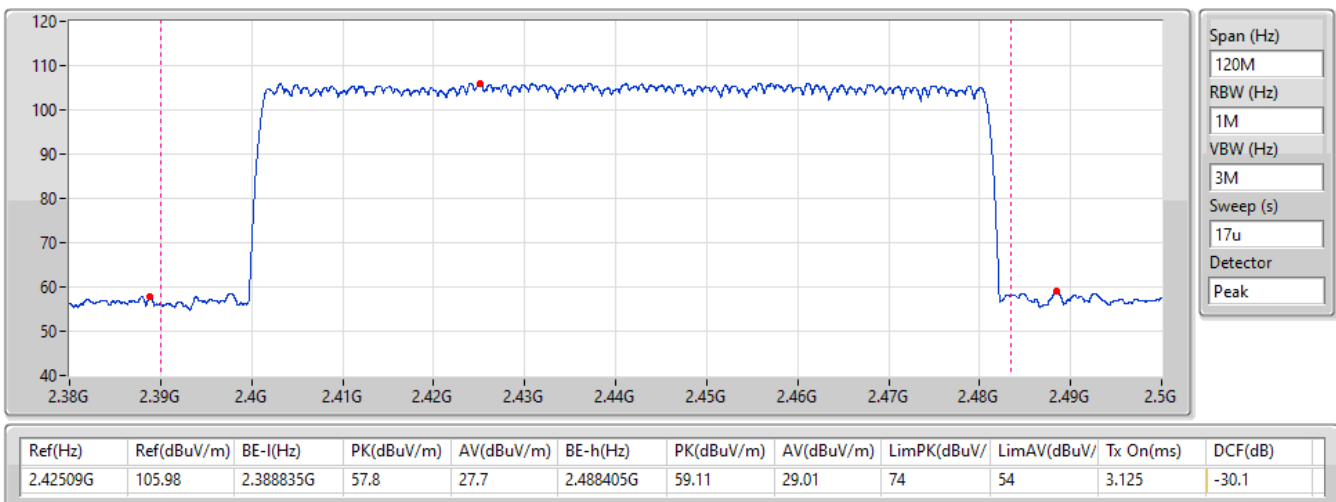


2.4-2.4835GHz_BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

29/08/2025

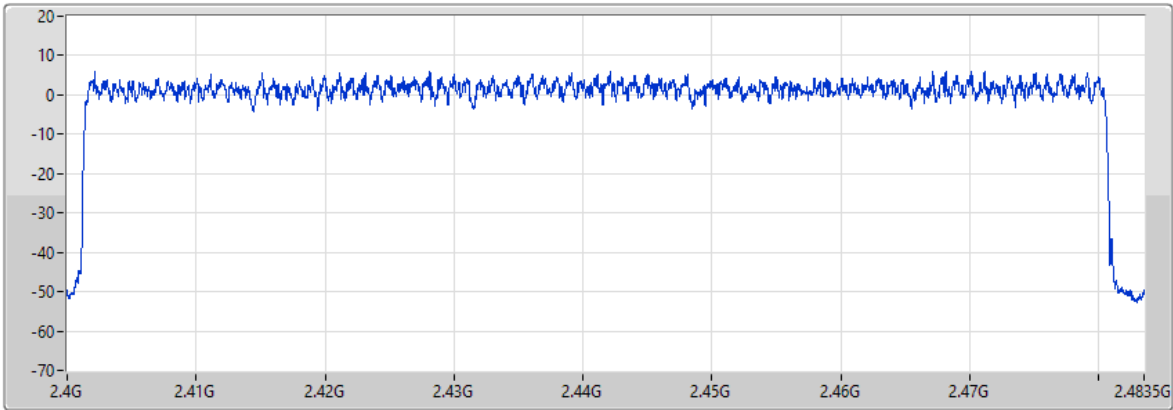


2.4-2.4835GHz_BT-EDR(3Mbps)

Hopping-FS

2440MHz

29/08/2025



Port 1 

Hopping No
79

Span (Hz)
83.5M

RBW (Hz)
100k

VBW (Hz)
300kHz

Sweep (s)
132.6us

Detector
Peak

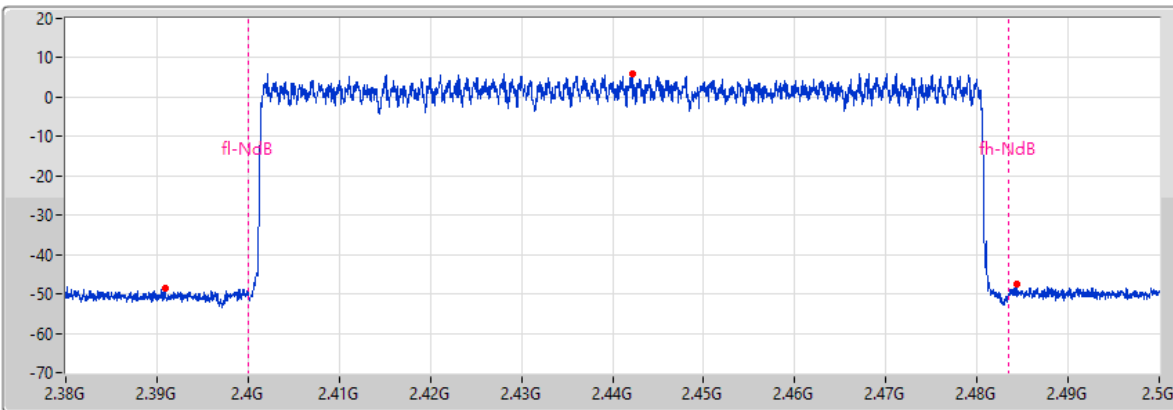
Hopping No	Limit
79	15

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

29/08/2025



Port 1 

Span (Hz)
120M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep (s)
132.6u

Detector
Peak

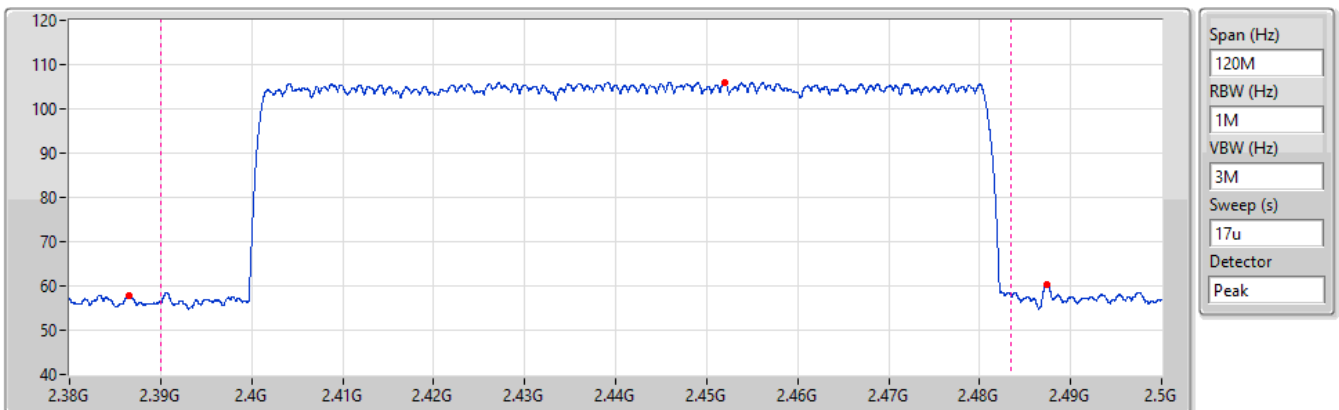
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-13.95	2.44213G	6.05	2.39089G	-48.68	2.48434G	-47.62

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

29/08/2025



Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.451925G	106.01	2.386465G	57.93	27.83	2.487325G	60.31	30.21	74	54	3.125	-30.1



Summary

Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

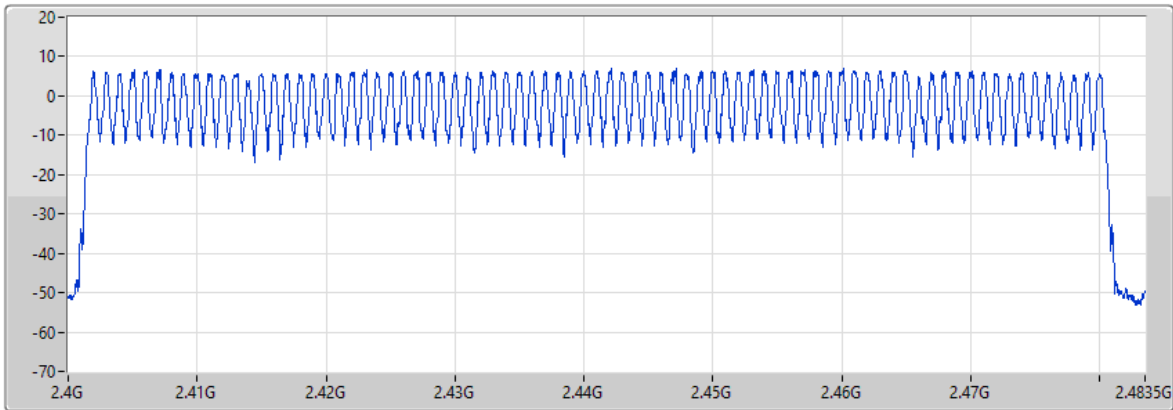
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15

2.4-2.4835GHz_BT-BR(1Mbps)

Hopping-FS

2440MHz

29/08/2025



Port 1 

Hopping No
79

Span (Hz)
83.5M

RBW (Hz)
100k

VBW (Hz)
300kHz

Sweep (s)
132.6us

Detector
Peak

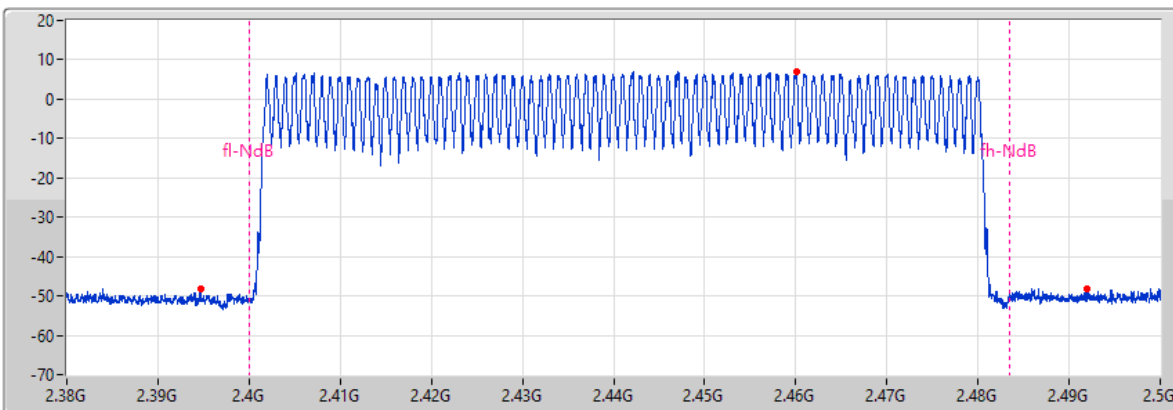
Hopping No	Limit
79	15

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

29/08/2025



Port 1 

Span (Hz)
120M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep (s)
132.6u

Detector
Peak

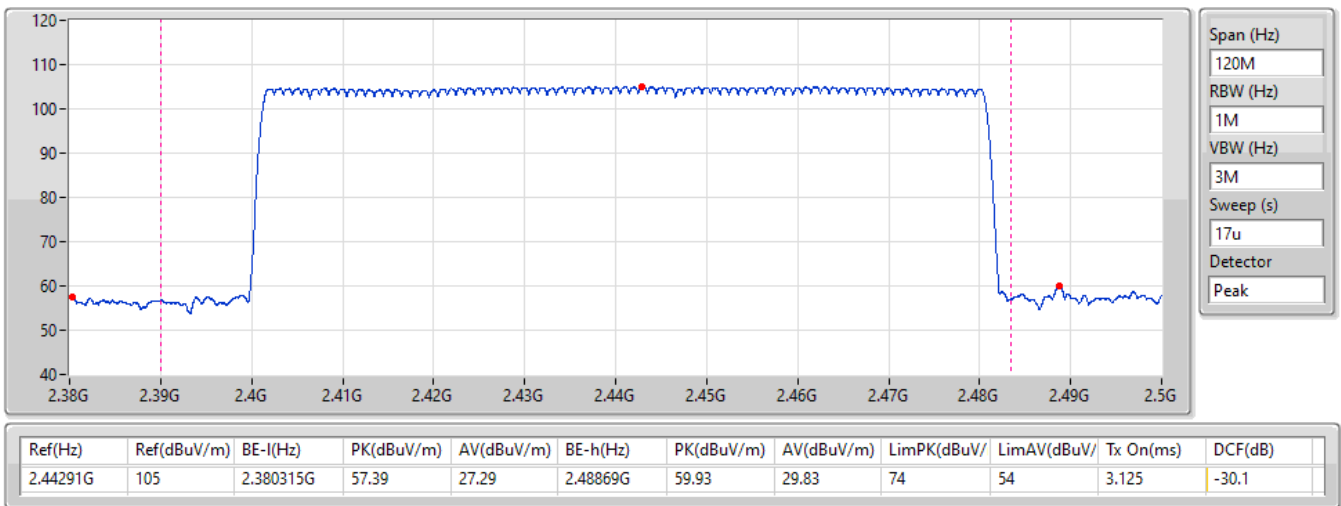
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-13.09	2.46013G	6.91	2.394655G	-48.25	2.49199G	-48.06

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

29/08/2025

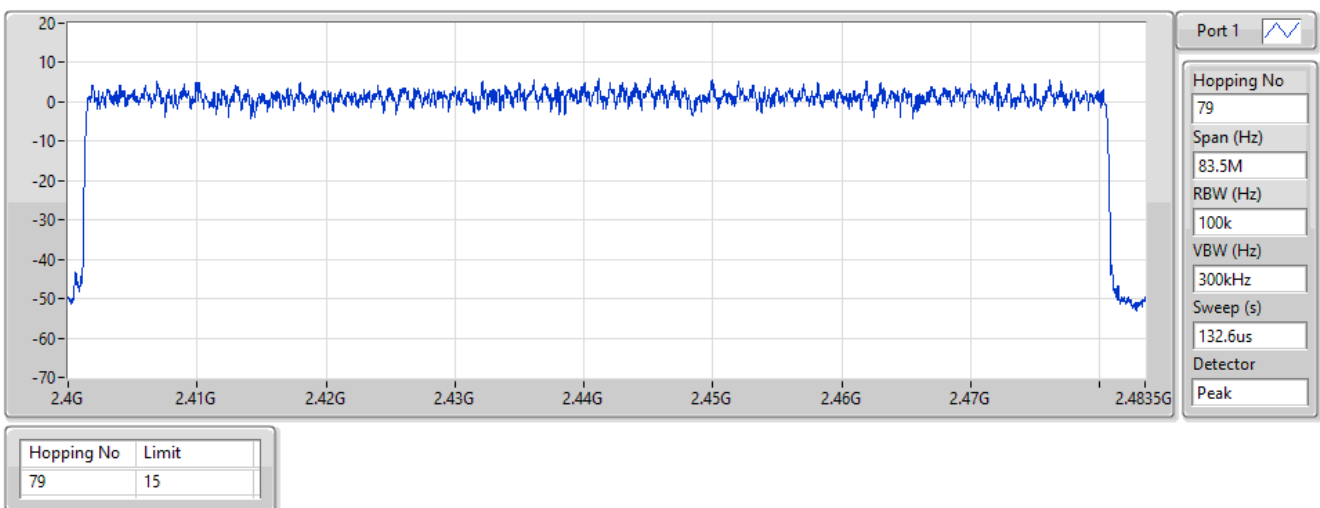


2.4-2.4835GHz_BT-EDR(2Mbps)

Hopping-FS

2440MHz

29/08/2025

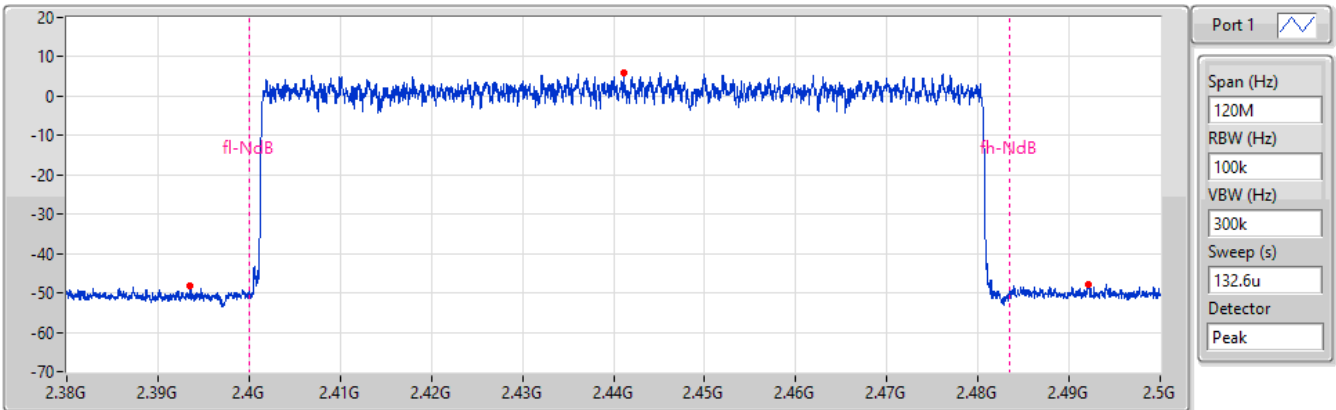


2.4-2.4835GHz_BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

29/08/2025



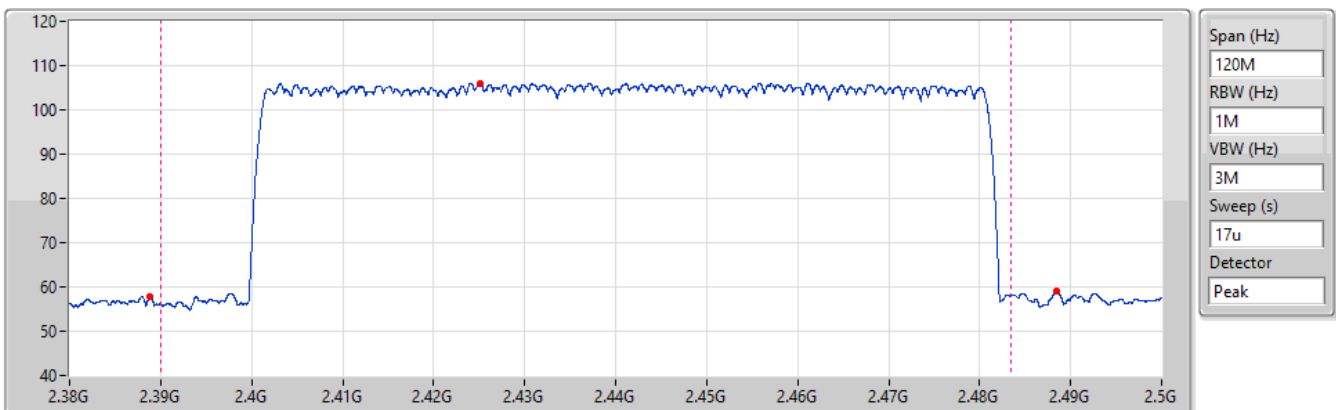
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-14.07	2.441125G	5.93	2.39356G	-48.32	2.49217G	-47.69

2.4-2.4835GHz_BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

29/08/2025



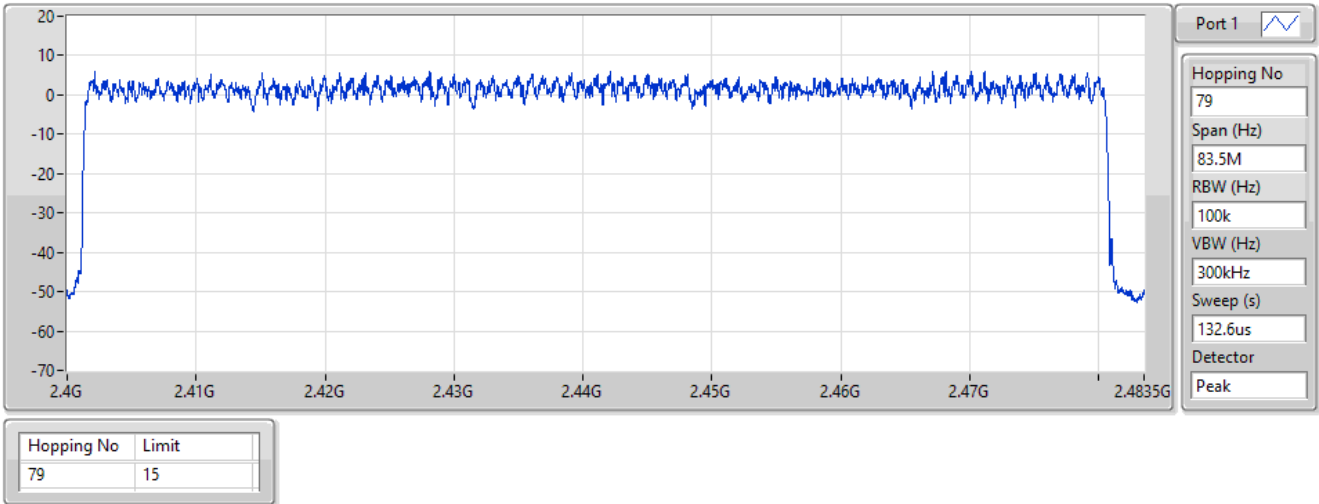
Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.42509G	105.98	2.388835G	57.8	27.7	2.488405G	59.11	29.01	74	54	3.125	-30.1

2.4-2.4835GHz_BT-EDR(3Mbps)

Hopping-FS

2440MHz

29/08/2025

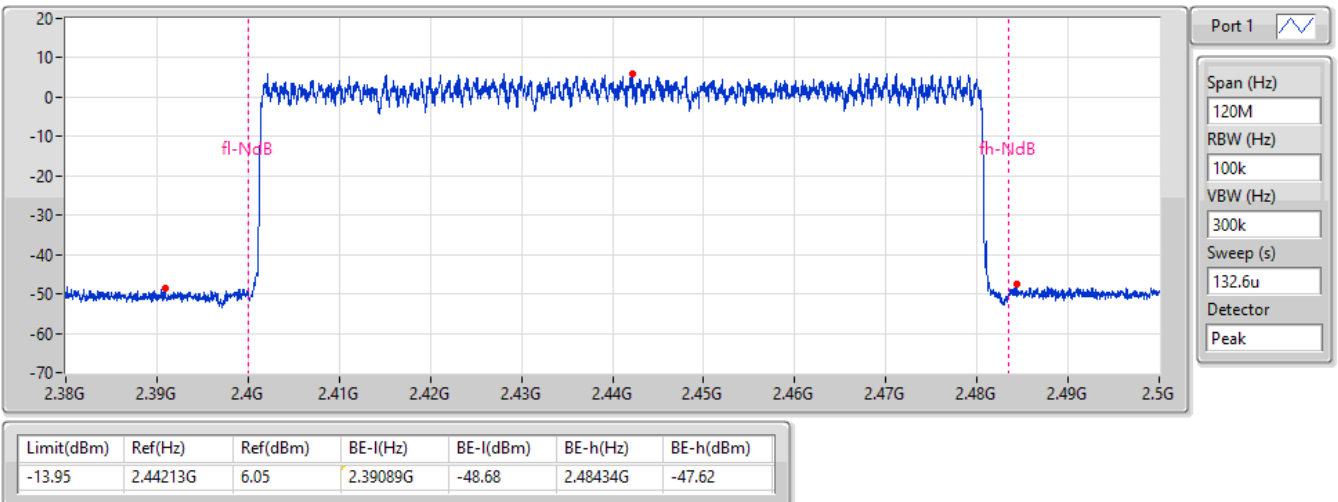


2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

29/08/2025

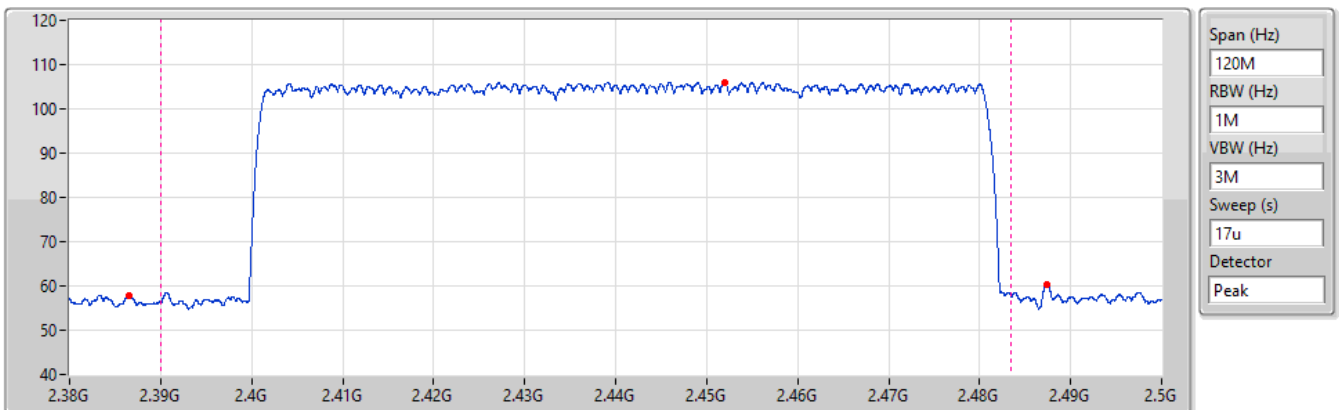


2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

29/08/2025



Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.451925G	106.01	2.386465G	57.93	27.83	2.487325G	60.31	30.21	74	54	3.125	-30.1



Summary

2.4-2.4835GHz	-
BT-BR(1Mbps)	307.46105m_DH5
BT-EDR(2Mbps)	307.7542m_DH5
BT-EDR(3Mbps)	308.0207m_DH5

Result

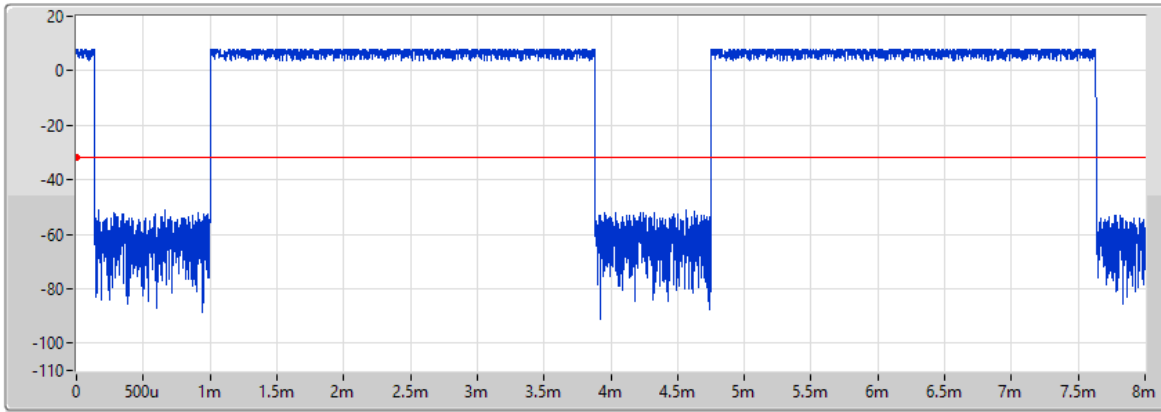
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	307.46105m_DH5	400m	2.88425m
2440MHz	Pass	8	153.7172m_DH5-AFH	400m	2.884m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	307.7542m_DH5	400m	2.887m
2440MHz	Pass	8	153.90375m_DH5-AFH	400m	2.8875m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.0207m_DH5	400m	2.8895m
2440MHz	Pass	8	154.023675m_DH5-AFH	400m	2.88975m

2.4-2.4835GHz_BT-BR(1Mbps)

Dwell-FS

2440MHz

29/08/2025



Port 1 

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.88425m

DH5

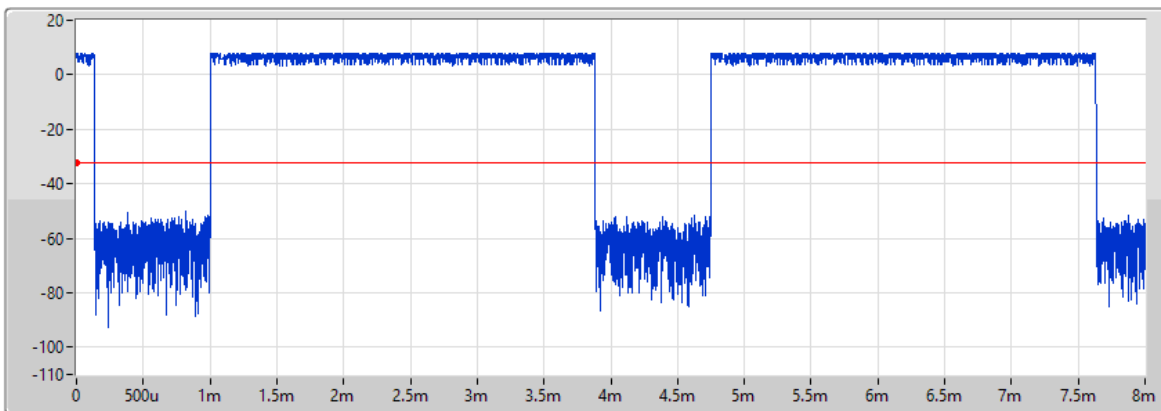
Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	307.46105m_DH5	400m	2.88425m

2.4-2.4835GHz_BT-BR(1Mbps)

Dwell-FS

2440MHz

29/08/2025



Port 1 

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.884m

DH5-AFH

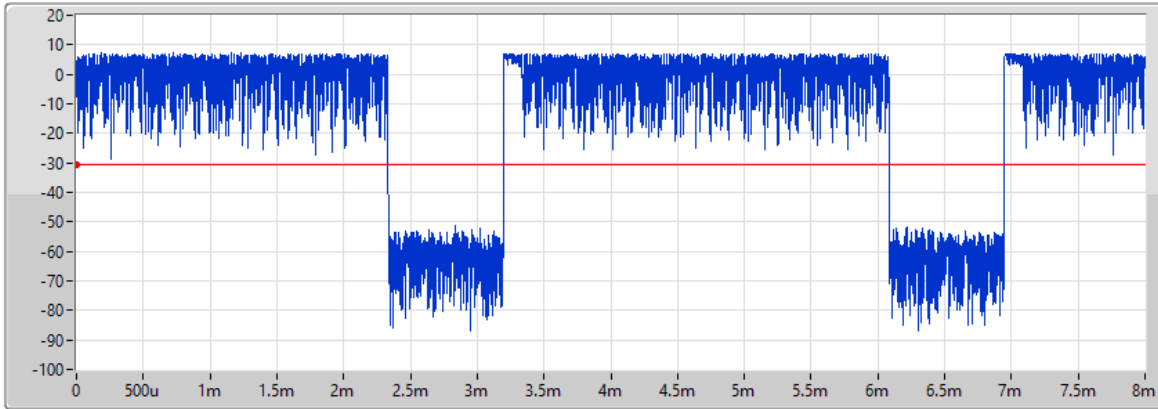
Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	153.7172m_DH5-AFH	400m	2.884m

2.4-2.4835GHz_BT-EDR(2Mbps)

Dwell-FS

2440MHz

29/08/2025



Port 1 

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.887m

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	307.7542m_DH5	400m	2.887m

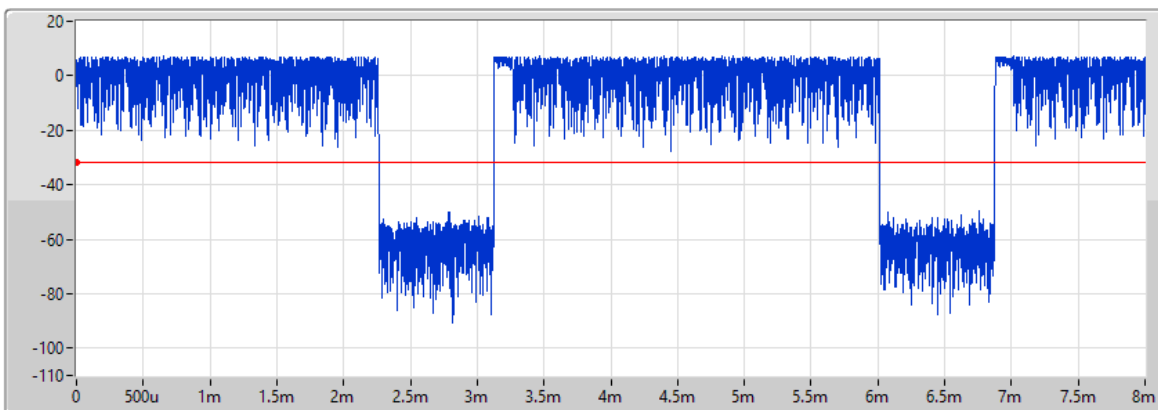
DH5

2.4-2.4835GHz_BT-EDR(2Mbps)

Dwell-FS

2440MHz

29/08/2025



Port 1 

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.8875m

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	153.90375m_DH5-AFH	400m	2.8875m

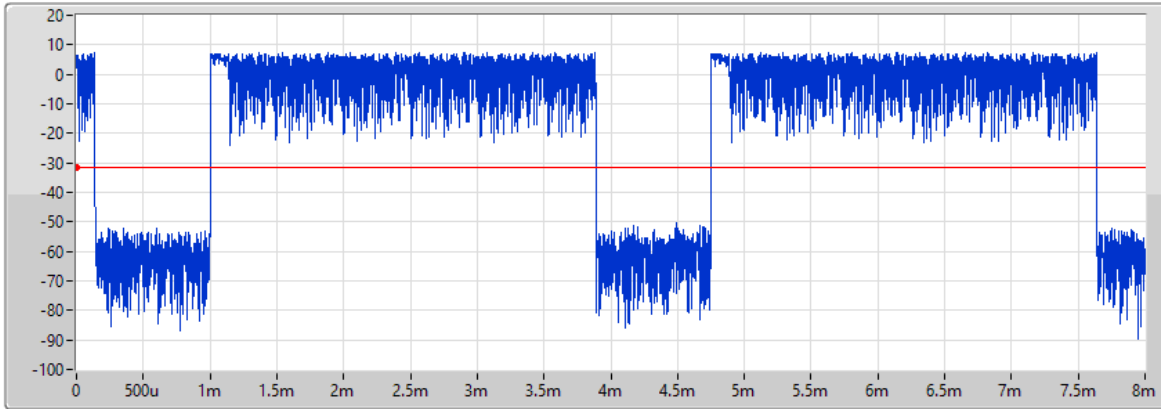
DH5-AFH

2.4-2.4835GHz_BT-EDR(3Mbps)

Dwell-FS

2440MHz

29/08/2025



Port 1 

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.8895m

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.0207m_DH5	400m	2.8895m

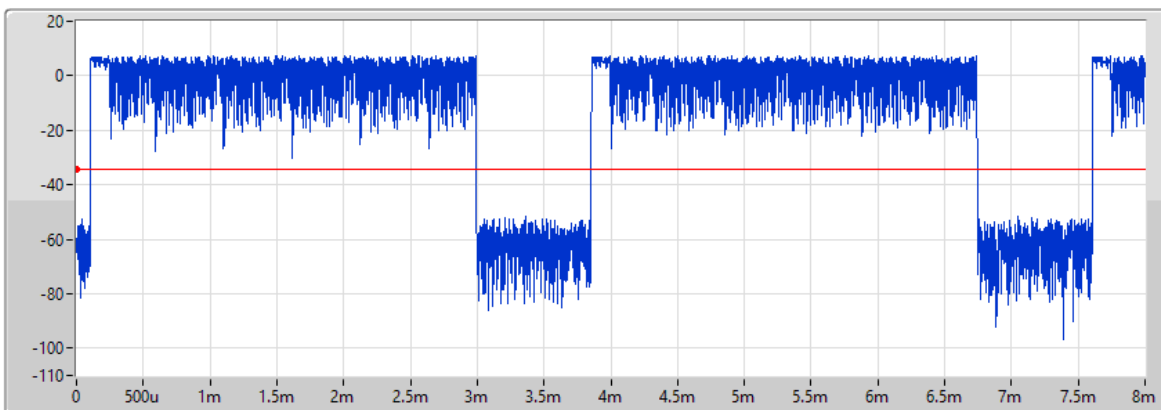
DH5

2.4-2.4835GHz_BT-EDR(3Mbps)

Dwell-FS

2440MHz

29/08/2025



Port 1 

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.88975m

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.023675m_DH5-AFH	400m	2.88975m

DH5-AFH



Summary

2.4-2.4835GHz	-
BT-BR(1Mbps)	307.46105m_DH5
BT-EDR(2Mbps)	307.7542m_DH5
BT-EDR(3Mbps)	308.0207m_DH5

Result

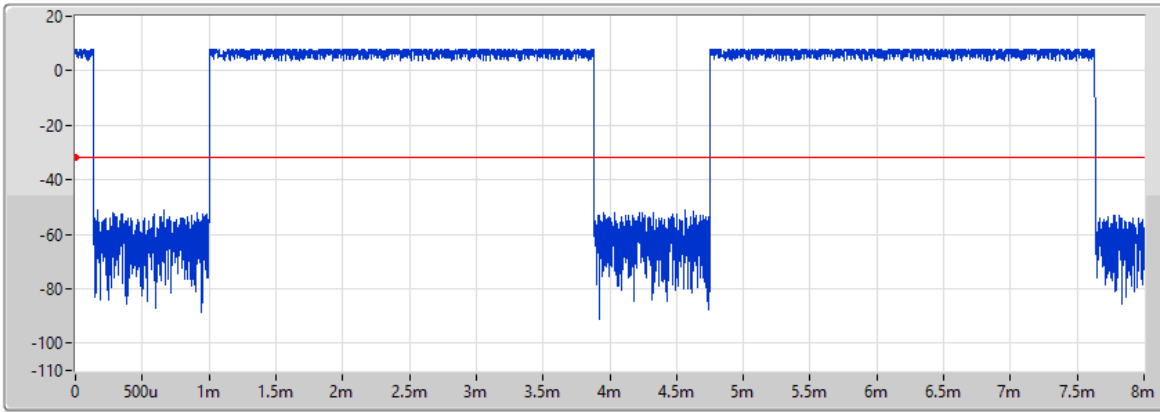
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	307.46105m_DH5	400m	2.88425m
2440MHz	Pass	8	153.7172m_DH5-AFH	400m	2.884m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	307.7542m_DH5	400m	2.887m
2440MHz	Pass	8	153.90375m_DH5-AFH	400m	2.8875m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.0207m_DH5	400m	2.8895m
2440MHz	Pass	8	154.023675m_DH5-AFH	400m	2.88975m

2.4-2.4835GHz_BT-BR(1Mbps)

Dwell-FS

2440MHz

29/08/2025



Port 1 

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.88425m

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	307.46105m_DH5	400m	2.88425m

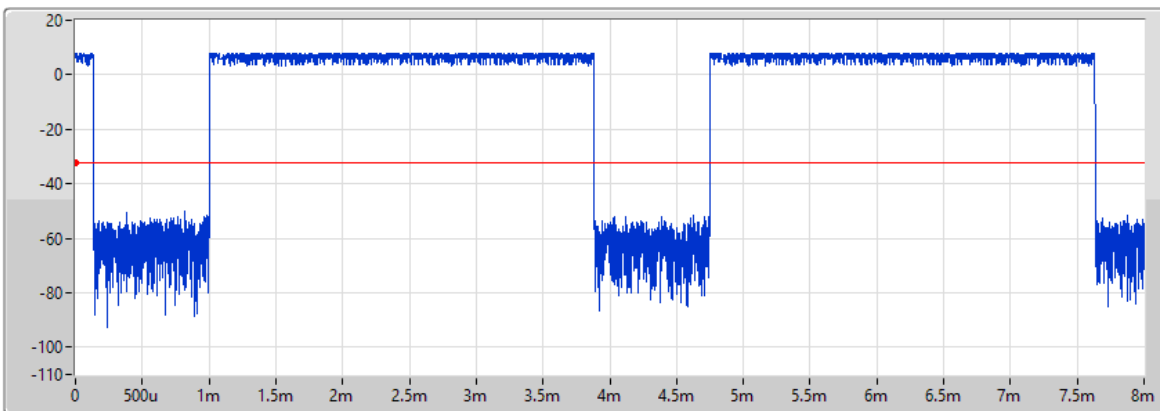
DH5

2.4-2.4835GHz_BT-BR(1Mbps)

Dwell-FS

2440MHz

29/08/2025



Port 1 

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.884m

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	153.7172m_DH5-AFH	400m	2.884m

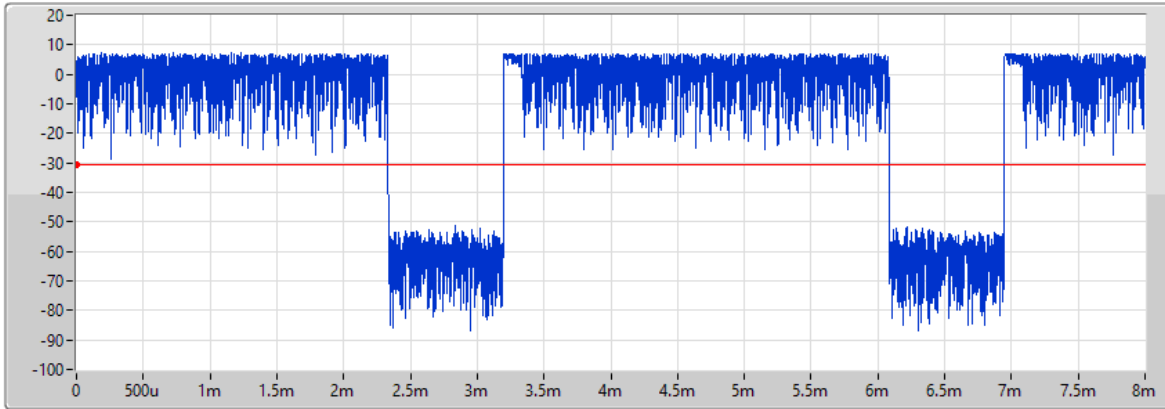
DH5-AFH

2.4-2.4835GHz_BT-EDR(2Mbps)

Dwell-FS

2440MHz

29/08/2025



Port 1 

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.887m

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	307.7542m_DH5	400m	2.887m

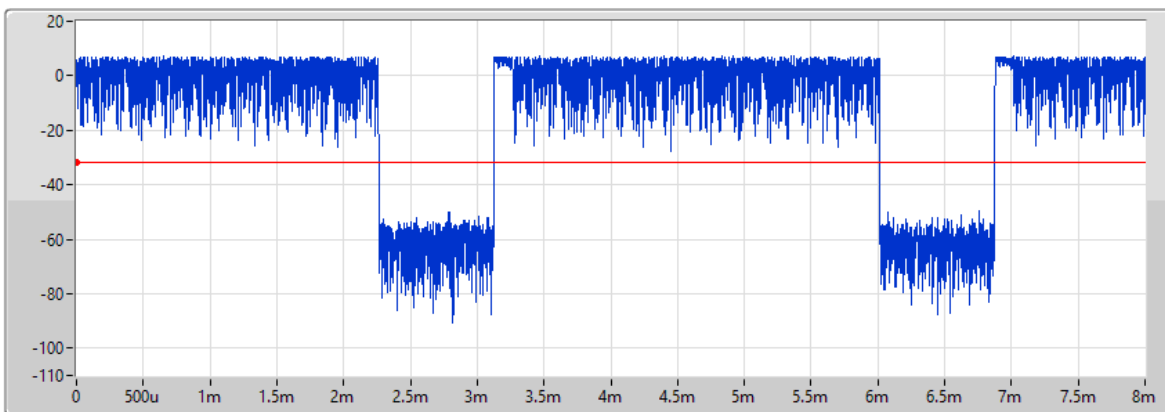
DH5

2.4-2.4835GHz_BT-EDR(2Mbps)

Dwell-FS

2440MHz

29/08/2025



Port 1 

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.8875m

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	153.90375m_DH5-AFH	400m	2.8875m

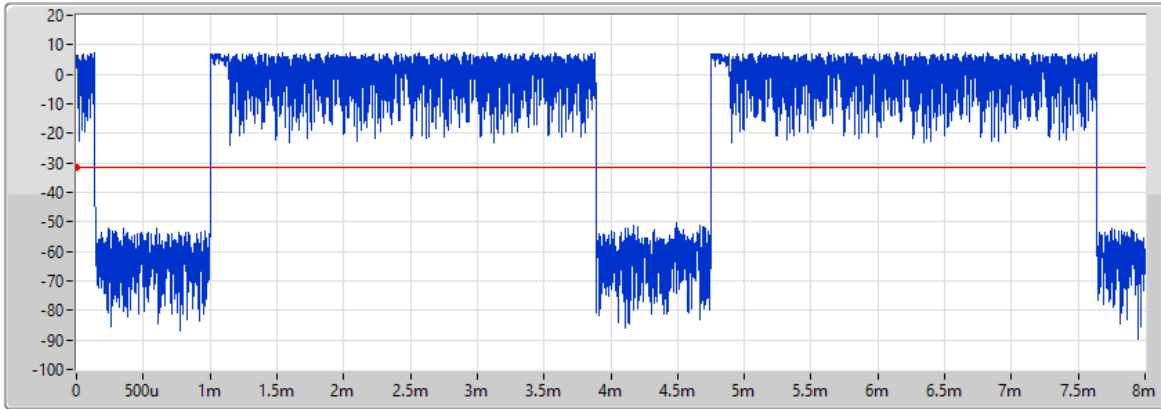
DH5-AFH

2.4-2.4835GHz_BT-EDR(3Mbps)

Dwell-FS

2440MHz

29/08/2025



Port 1 

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.8895m

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.0207m_DH5	400m	2.8895m

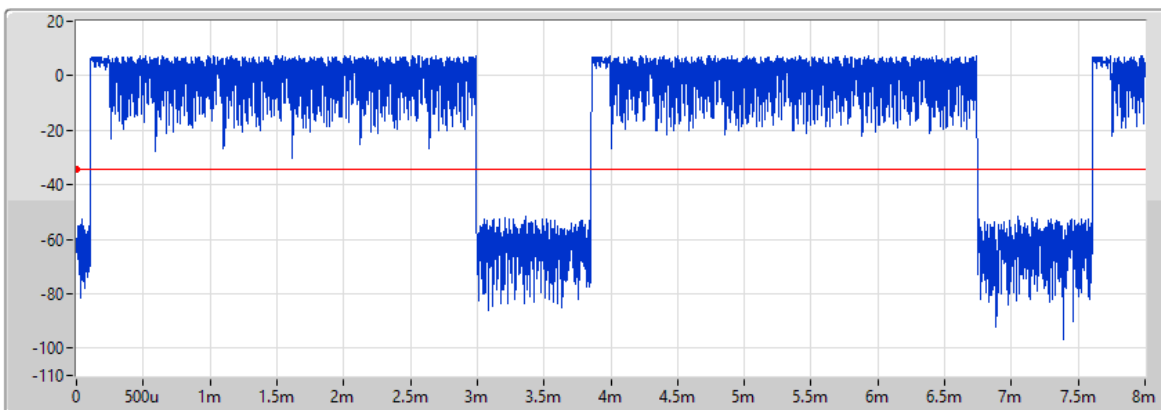
DH5

2.4-2.4835GHz_BT-EDR(3Mbps)

Dwell-FS

2440MHz

29/08/2025



Port 1 

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.88975m

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.023675m_DH5-AFH	400m	2.88975m

DH5-AFH



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-BR(1Mbps)	Pass	2.40184G	5.98	-14.02	2.00165G	-53.10	2.39576G	-54.43	2.4G	-54.33	2.50106G	-55.28	3.20089G	-38.99	1
BT-EDR(2Mbps)	Pass	2.44008G	5.03	-14.97	2.03338G	-50.46	2.3936G	-54.85	2.4G	-56.69	2.50202G	-54.98	3.25151G	-36.95	1
BT-EDR(3Mbps)	Pass	2.47999G	5.20	-14.80	2.06745G	-50.30	2.3936G	-53.25	2.4G	-56.78	2.50026G	-54.37	3.30494G	-38.72	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-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	5.98	-14.02	2.00165G	-53.10	2.39576G	-54.43	2.4G	-54.33	2.50106G	-55.28	3.20089G	-38.99	1
2440MHz	Pass	2.44008G	6.36	-13.64	2.03338G	-54.21	2.39508G	-54.91	2.4G	-57.31	2.5003G	-54.95	3.25151G	-40.34	1
2480MHz	Pass	2.48016G	5.94	-14.06	2.06745G	-53.95	2.39684G	-54.14	2.4G	-55.80	2.50214G	-54.52	3.16903G	-41.94	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	5.74	-14.26	2.00165G	-50.41	2.39356G	-52.28	2.4G	-50.58	2.50034G	-54.24	3.20089G	-35.79	1
2440MHz	Pass	2.44008G	5.03	-14.97	2.03338G	-50.46	2.3936G	-54.85	2.4G	-56.69	2.50202G	-54.98	3.25151G	-36.95	1
2480MHz	Pass	2.48016G	5.51	-14.49	2.06745G	-51.81	2.39356G	-53.32	2.4G	-57.40	2.50186G	-54.27	3.30494G	-39.66	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	5.83	-14.17	2.00165G	-52.08	2.39968G	-54.07	2.4G	-54.96	2.50186G	-54.48	3.20089G	-36.21	1
2440MHz	Pass	2.43991G	5.35	-14.65	2.03338G	-51.80	2.39356G	-53.86	2.4G	-57.00	2.50286G	-54.50	3.25151G	-37.12	1
2480MHz	Pass	2.47999G	5.20	-14.80	2.06745G	-50.30	2.3936G	-53.25	2.4G	-56.78	2.50026G	-54.37	3.30494G	-38.72	1

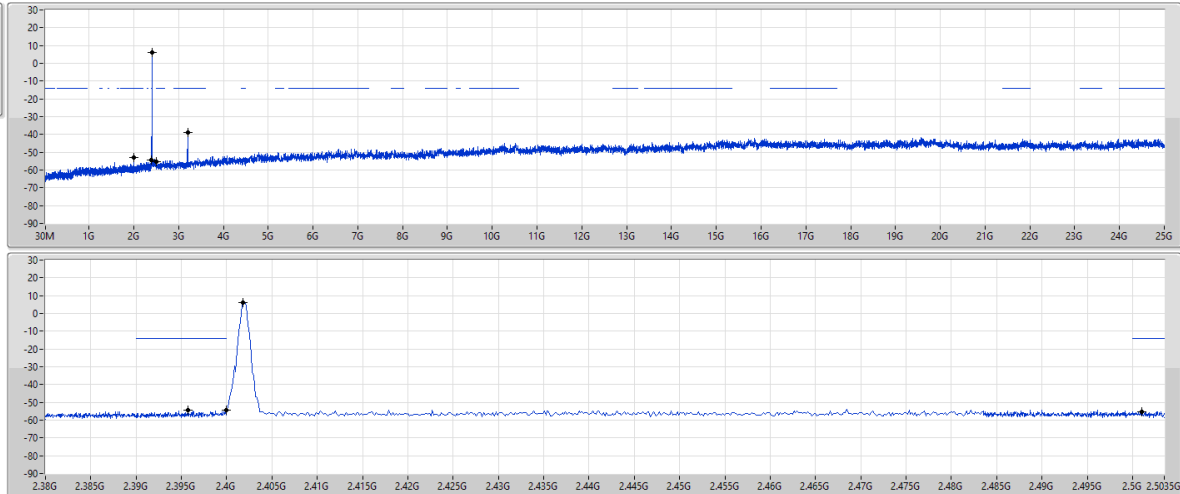
2.4-2.4835GHz_BT-BR(1Mbps)

CSEndB-FS

2402MHz

29/08/2025

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



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40184G	5.98	-14.02	2.00165G	-53.10	2.39576G	-54.43	2.4G	-54.33	2.50106G	-55.28	3.20089G	-38.99	1

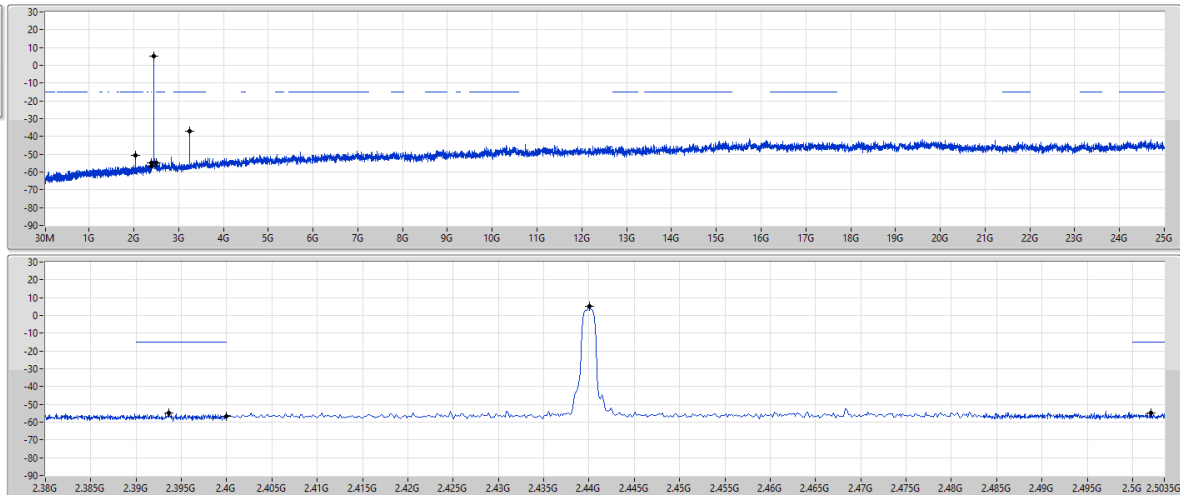
2.4-2.4835GHz_BT-EDR(2Mbps)

CSEndB-FS

2440MHz

29/08/2025

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



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44008G	5.03	-14.97	2.03338G	-50.46	2.3936G	-54.85	2.4G	-56.69	2.50202G	-54.98	3.25151G	-36.95	1

2.4-2.4835GHz_BT-EDR(3Mbps)

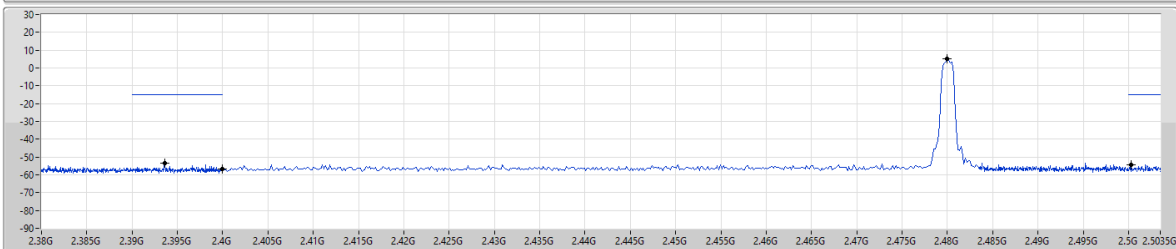
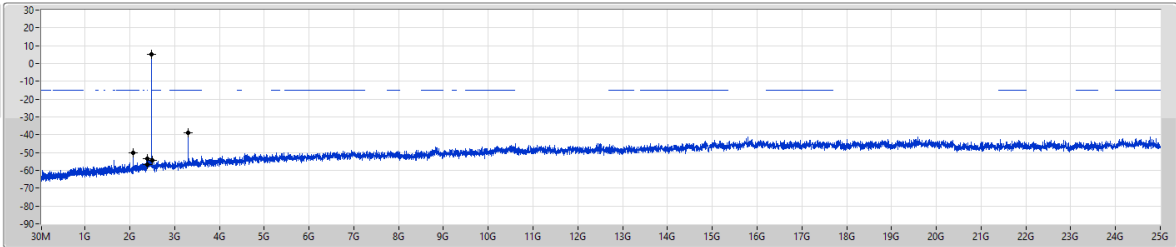
CSEndB-FS

2480MHz

29/08/2025

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

Port 1



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.47999G	5.20	-14.80	2.06745G	-50.30	2.3936G	-53.25	2.4G	-56.78	2.50026G	-54.37	3.30494G	-38.72	1



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-BR(1Mbps)	Pass	2.40184G	5.98	-14.02	2.00165G	-53.10	2.39576G	-54.43	2.4G	-54.33	2.50106G	-55.28	3.20089G	-38.99	1
BT-EDR(2Mbps)	Pass	2.44008G	5.03	-14.97	2.03338G	-50.46	2.3936G	-54.85	2.4G	-56.69	2.50202G	-54.98	3.25151G	-36.95	1
BT-EDR(3Mbps)	Pass	2.47999G	5.20	-14.80	2.06745G	-50.30	2.3936G	-53.25	2.4G	-56.78	2.50026G	-54.37	3.30494G	-38.72	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-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	5.98	-14.02	2.00165G	-53.10	2.39576G	-54.43	2.4G	-54.33	2.50106G	-55.28	3.20089G	-38.99	1
2440MHz	Pass	2.44008G	6.36	-13.64	2.03338G	-54.21	2.39508G	-54.91	2.4G	-57.31	2.5003G	-54.95	3.25151G	-40.34	1
2480MHz	Pass	2.48016G	5.94	-14.06	2.06745G	-53.95	2.39684G	-54.14	2.4G	-55.80	2.50214G	-54.52	3.16903G	-41.94	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	5.74	-14.26	2.00165G	-50.41	2.39356G	-52.28	2.4G	-50.58	2.50034G	-54.24	3.20089G	-35.79	1
2440MHz	Pass	2.44008G	5.03	-14.97	2.03338G	-50.46	2.3936G	-54.85	2.4G	-56.69	2.50202G	-54.98	3.25151G	-36.95	1
2480MHz	Pass	2.48016G	5.51	-14.49	2.06745G	-51.81	2.39356G	-53.32	2.4G	-57.40	2.50186G	-54.27	3.30494G	-39.66	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	5.83	-14.17	2.00165G	-52.08	2.39968G	-54.07	2.4G	-54.96	2.50186G	-54.48	3.20089G	-36.21	1
2440MHz	Pass	2.43991G	5.35	-14.65	2.03338G	-51.80	2.39356G	-53.86	2.4G	-57.00	2.50286G	-54.50	3.25151G	-37.12	1
2480MHz	Pass	2.47999G	5.20	-14.80	2.06745G	-50.30	2.3936G	-53.25	2.4G	-56.78	2.50026G	-54.37	3.30494G	-38.72	1

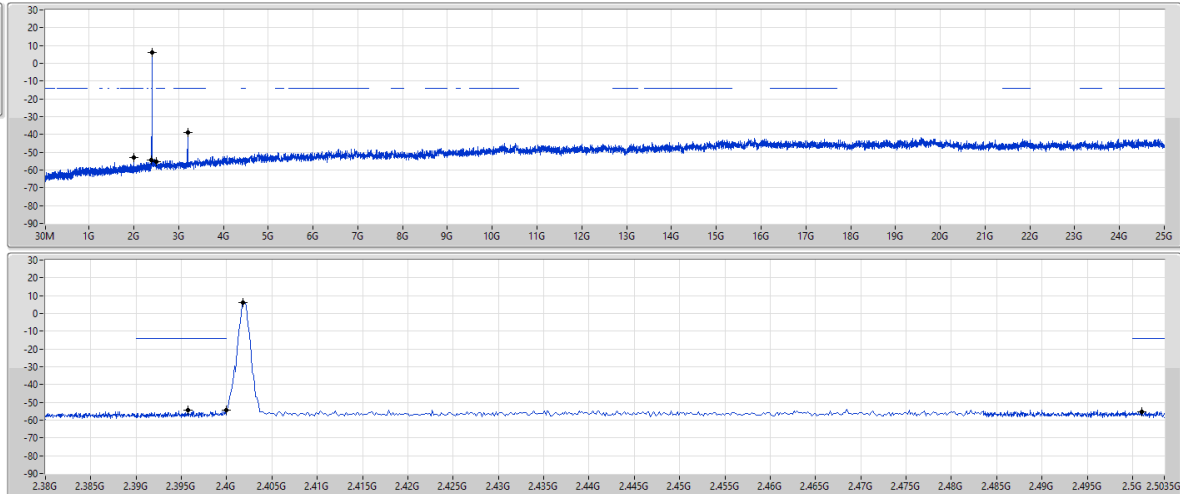
2.4-2.4835GHz_BT-BR(1Mbps)

CSEndB-FS

2402MHz

29/08/2025

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



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40184G	5.98	-14.02	2.00165G	-53.10	2.39576G	-54.43	2.4G	-54.33	2.50106G	-55.28	3.20089G	-38.99	1

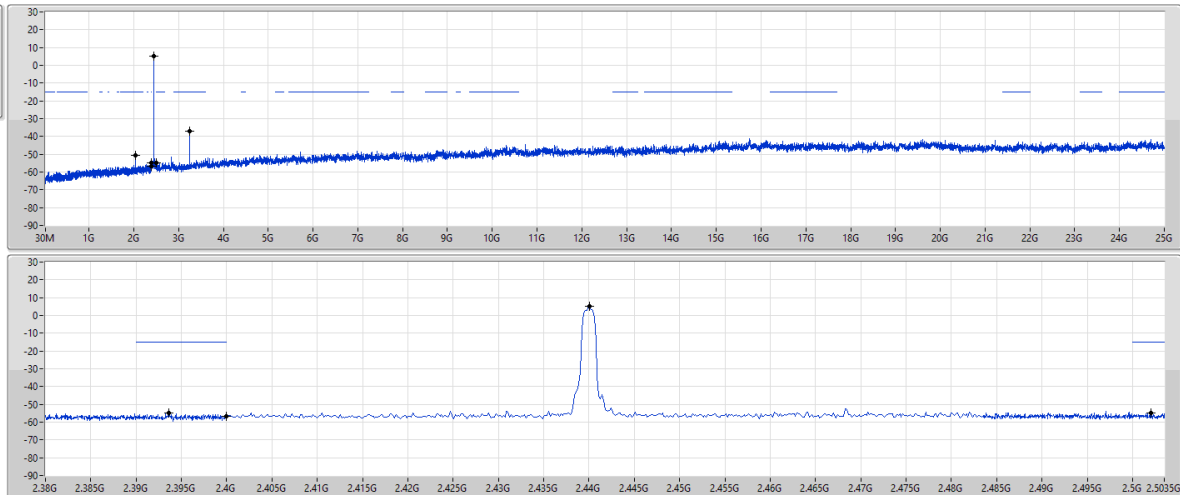
2.4-2.4835GHz_BT-EDR(2Mbps)

CSEndB-FS

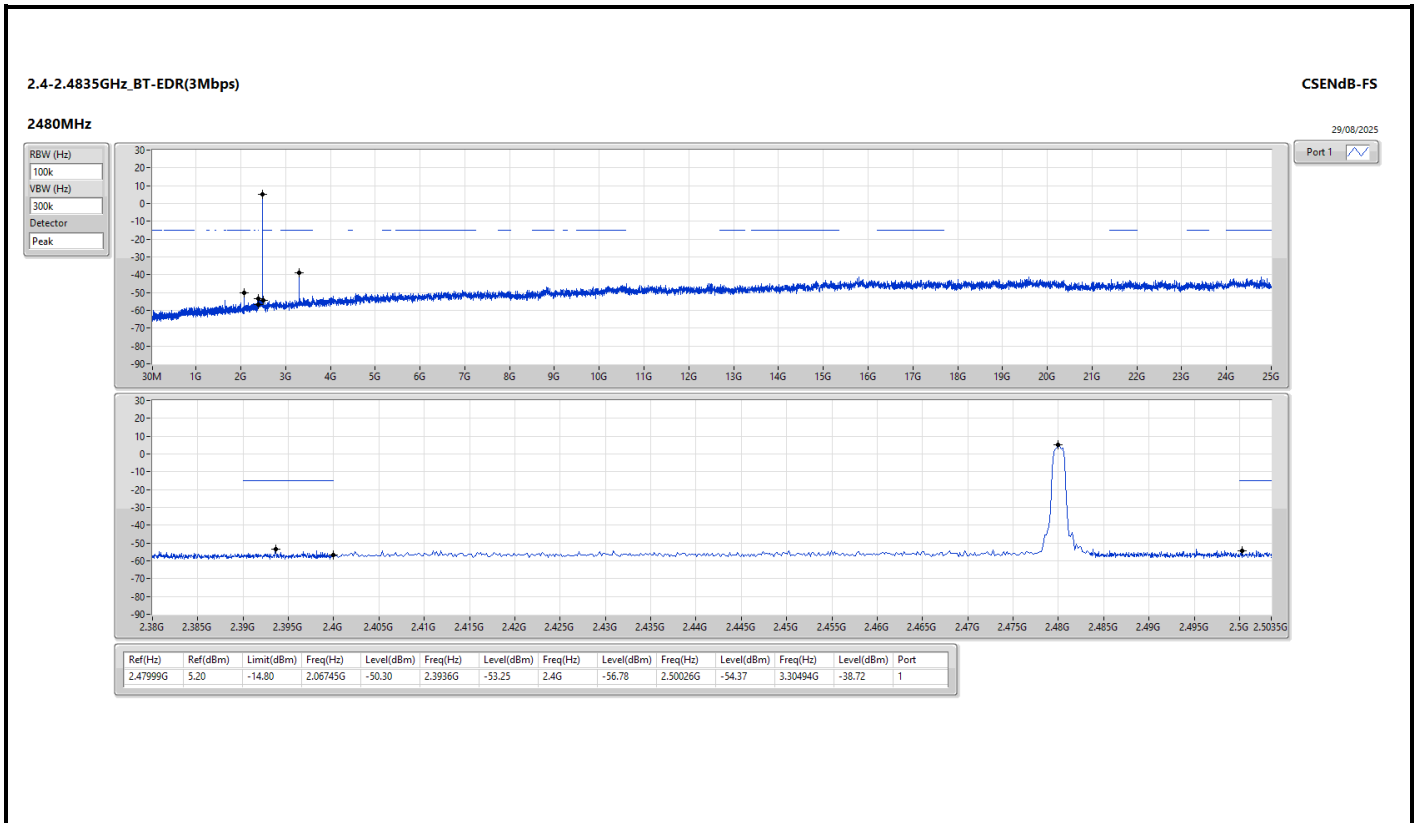
2440MHz

29/08/2025

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



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44008G	5.03	-14.97	2.03338G	-50.46	2.3936G	-54.85	2.4G	-56.69	2.50202G	-54.98	3.25151G	-36.95	1





Summary

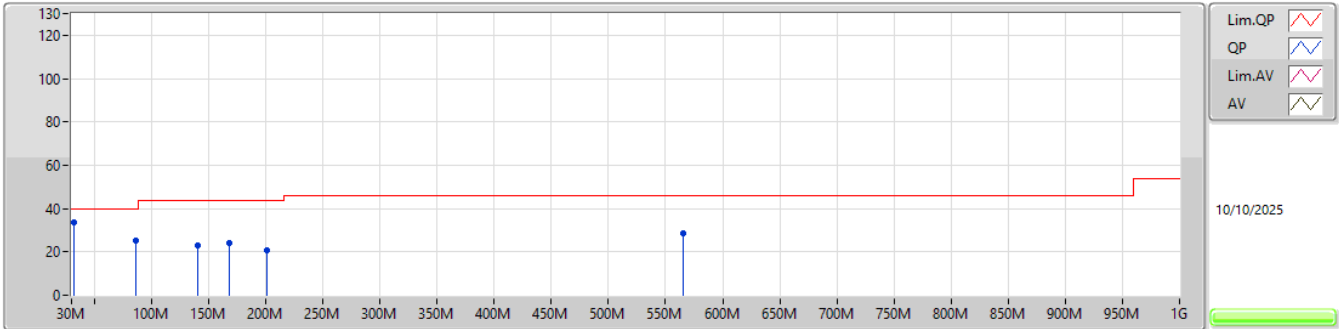
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	31.94M	33.79	40.00	-6.21	3	Vertical	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_Adapter	Pass	PK	31.94M	33.79	40.00	-6.21	3	Vertical	360	1.00
2440MHz_Adapter	Pass	PK	86.26M	25.43	40.00	-14.57	3	Vertical	360	1.00
2440MHz_Adapter	Pass	PK	140.58M	22.88	43.50	-20.62	3	Vertical	360	1.00
2440MHz_Adapter	Pass	PK	167.74M	24.08	43.50	-19.42	3	Vertical	360	1.00
2440MHz_Adapter	Pass	PK	200.72M	20.91	43.50	-22.59	3	Vertical	360	1.00
2440MHz_Adapter	Pass	PK	565.44M	28.64	46.00	-17.36	3	Vertical	360	1.00
2440MHz_Adapter	Pass	PK	31.94M	23.79	40.00	-16.21	3	Horizontal	0	1.00
2440MHz_Adapter	Pass	PK	82.38M	24.55	40.00	-15.45	3	Horizontal	0	1.00
2440MHz_Adapter	Pass	PK	140.58M	22.34	43.50	-21.16	3	Horizontal	0	1.00
2440MHz_Adapter	Pass	PK	173.56M	28.41	43.50	-15.09	3	Horizontal	0	1.00
2440MHz_Adapter	Pass	PK	272.5M	22.67	46.00	-23.33	3	Horizontal	0	1.00
2440MHz_Adapter	Pass	PK	336.52M	25.12	46.00	-20.88	3	Horizontal	0	1.00

2.4-2.4835GHz_BT-BR(1Mbps)

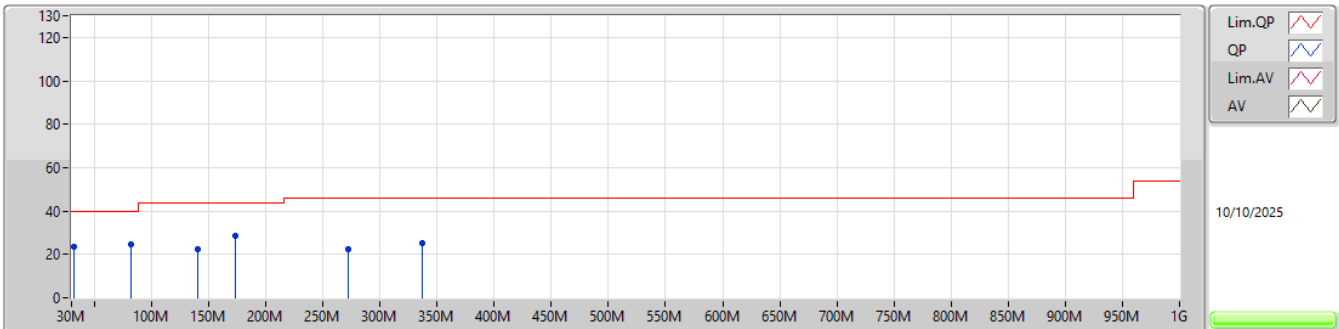
2440MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.94M	33.79	40.00	-6.21	-20.37	3	Vertical	360	1.00	54.16	23.39	0.63	44.39
PK	86.26M	25.43	40.00	-14.57	-28.85	3	Vertical	360	1.00	54.28	14.63	1.06	44.54
PK	140.58M	22.88	43.50	-20.62	-25.61	3	Vertical	360	1.00	48.49	17.63	1.28	44.52
PK	167.74M	24.08	43.50	-19.42	-26.91	3	Vertical	360	1.00	50.99	16.17	1.40	44.48
PK	200.72M	20.91	43.50	-22.59	-27.49	3	Vertical	360	1.00	48.40	15.34	1.53	44.36
PK	565.44M	28.64	46.00	-17.36	-14.79	3	Vertical	360	1.00	43.43	26.65	2.39	43.83

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.94M	23.79	40.00	-16.21	-20.37	3	Horizontal	0	1.00	44.16	23.39	0.63	44.39
PK	82.38M	24.55	40.00	-15.45	-29.52	3	Horizontal	0	1.00	54.07	14.00	1.04	44.56
PK	140.58M	22.34	43.50	-21.16	-25.61	3	Horizontal	0	1.00	47.95	17.63	1.28	44.52
PK	173.56M	28.41	43.50	-15.09	-27.30	3	Horizontal	0	1.00	55.71	15.73	1.42	44.45
PK	272.5M	22.67	46.00	-23.33	-23.41	3	Horizontal	0	1.00	46.08	19.12	1.71	44.24
PK	336.52M	25.12	46.00	-20.88	-22.14	3	Horizontal	0	1.00	47.26	20.15	1.86	44.15



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-BR(1Mbps)	Pass	PK	2.485G	59.90	74.00	-14.10	3	Horizontal	291	1.00
BT-EDR(3Mbps)	Pass	PK	2.4934G	59.51	74.00	-14.49	3	Horizontal	291	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3756G	35.98	54.00	-18.02	3	Horizontal	328	1.05
2402MHz	Pass	AV	2.402G	82.92	Inf	-Inf	3	Horizontal	328	1.05
2402MHz	Pass	PK	2.3756G	58.48	74.00	-15.52	3	Horizontal	328	1.05
2402MHz	Pass	PK	2.402G	105.42	Inf	-Inf	3	Horizontal	328	1.05
2402MHz	Pass	AV	4.80408G	20.35	54.00	-33.65	3	Vertical	63	1.08
2402MHz	Pass	PK	4.80408G	42.85	74.00	-31.15	3	Vertical	63	1.08
2402MHz	Pass	AV	4.80377G	21.46	54.00	-32.54	3	Horizontal	331	2.88
2402MHz	Pass	PK	4.80377G	43.96	74.00	-30.04	3	Horizontal	331	2.88
2440MHz	Pass	AV	2.3892G	36.27	54.00	-17.73	3	Horizontal	328	1.04
2440MHz	Pass	AV	2.44G	79.89	Inf	-Inf	3	Horizontal	328	1.04
2440MHz	Pass	AV	2.4892G	36.91	54.00	-17.09	3	Horizontal	328	1.04
2440MHz	Pass	PK	2.3892G	58.77	74.00	-15.23	3	Horizontal	328	1.04
2440MHz	Pass	PK	2.44G	102.39	Inf	-Inf	3	Horizontal	328	1.04
2440MHz	Pass	PK	2.4892G	59.41	74.00	-14.59	3	Horizontal	328	1.04
2440MHz	Pass	AV	4.88181G	20.19	54.00	-33.81	3	Vertical	34	1.00
2440MHz	Pass	AV	7.31842G	25.53	54.00	-28.47	3	Vertical	267	2.91
2440MHz	Pass	PK	4.88181G	42.69	74.00	-31.31	3	Vertical	34	1.00
2440MHz	Pass	PK	7.31842G	48.03	74.00	-25.97	3	Vertical	267	2.91
2440MHz	Pass	AV	4.88012G	21.87	54.00	-32.13	3	Horizontal	332	2.94
2440MHz	Pass	AV	7.32052G	25.41	54.00	-28.59	3	Horizontal	19	1.50
2440MHz	Pass	PK	4.88012G	44.37	74.00	-29.63	3	Horizontal	332	2.94
2440MHz	Pass	PK	7.32052G	47.91	74.00	-26.09	3	Horizontal	19	1.50
2480MHz	Pass	AV	2.4798G	78.62	Inf	-Inf	3	Horizontal	291	1.00
2480MHz	Pass	AV	2.485G	37.40	54.00	-16.60	3	Horizontal	291	1.00
2480MHz	Pass	PK	2.4798G	101.12	Inf	-Inf	3	Horizontal	291	1.00
2480MHz	Pass	PK	2.485G	59.90	74.00	-14.10	3	Horizontal	291	1.00
2480MHz	Pass	AV	4.9617G	21.40	54.00	-32.60	3	Vertical	30	1.50
2480MHz	Pass	AV	7.44129G	25.19	54.00	-28.81	3	Vertical	352	1.76
2480MHz	Pass	PK	4.9617G	43.90	74.00	-30.10	3	Vertical	30	1.50
2480MHz	Pass	PK	7.44129G	47.69	74.00	-26.31	3	Vertical	352	1.76
2480MHz	Pass	AV	4.95979G	21.43	54.00	-32.57	3	Horizontal	345	1.00
2480MHz	Pass	AV	7.43881G	24.51	54.00	-29.49	3	Horizontal	126	1.50
2480MHz	Pass	PK	4.95979G	43.93	74.00	-30.07	3	Horizontal	345	1.00
2480MHz	Pass	PK	7.43881G	47.01	74.00	-26.99	3	Horizontal	126	1.50
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3642G	36.18	54.00	-17.82	3	Horizontal	328	1.05
2402MHz	Pass	AV	2.402G	81.71	Inf	-Inf	3	Horizontal	328	1.05
2402MHz	Pass	PK	2.3642G	58.68	74.00	-15.32	3	Horizontal	328	1.05
2402MHz	Pass	PK	2.402G	104.21	Inf	-Inf	3	Horizontal	328	1.05
2402MHz	Pass	AV	4.80444G	20.31	54.00	-33.69	3	Vertical	63	1.09
2402MHz	Pass	PK	4.80444G	42.81	74.00	-31.19	3	Vertical	63	1.09
2402MHz	Pass	AV	4.8039G	22.51	54.00	-31.49	3	Horizontal	332	2.52
2402MHz	Pass	PK	4.8039G	45.01	74.00	-28.99	3	Horizontal	332	2.52
2440MHz	Pass	AV	2.3892G	36.33	54.00	-17.67	3	Horizontal	328	1.04
2440MHz	Pass	AV	2.44G	80.48	Inf	-Inf	3	Horizontal	328	1.04
2440MHz	Pass	AV	2.4972G	36.93	54.00	-17.07	3	Horizontal	328	1.04
2440MHz	Pass	PK	2.3892G	58.83	74.00	-15.17	3	Horizontal	328	1.04
2440MHz	Pass	PK	2.44G	102.98	Inf	-Inf	3	Horizontal	328	1.04
2440MHz	Pass	PK	2.4972G	59.43	74.00	-14.57	3	Horizontal	328	1.04
2440MHz	Pass	AV	4.87955G	20.13	54.00	-33.87	3	Vertical	33	1.15
2440MHz	Pass	AV	7.32051G	25.74	54.00	-28.26	3	Vertical	79	1.50
2440MHz	Pass	PK	4.87955G	42.63	74.00	-31.37	3	Vertical	33	1.15
2440MHz	Pass	PK	7.32051G	48.24	74.00	-25.76	3	Vertical	79	1.50
2440MHz	Pass	AV	4.87999G	21.03	54.00	-32.97	3	Horizontal	310	2.70
2440MHz	Pass	AV	7.32056G	25.56	54.00	-28.44	3	Horizontal	342	2.31
2440MHz	Pass	PK	4.87999G	43.53	74.00	-30.47	3	Horizontal	310	2.70
2440MHz	Pass	PK	7.32056G	48.06	74.00	-25.94	3	Horizontal	342	2.31
2480MHz	Pass	AV	2.48G	77.08	Inf	-Inf	3	Horizontal	291	1.00
2480MHz	Pass	AV	2.4934G	37.01	54.00	-16.99	3	Horizontal	291	1.00
2480MHz	Pass	PK	2.48G	99.58	Inf	-Inf	3	Horizontal	291	1.00



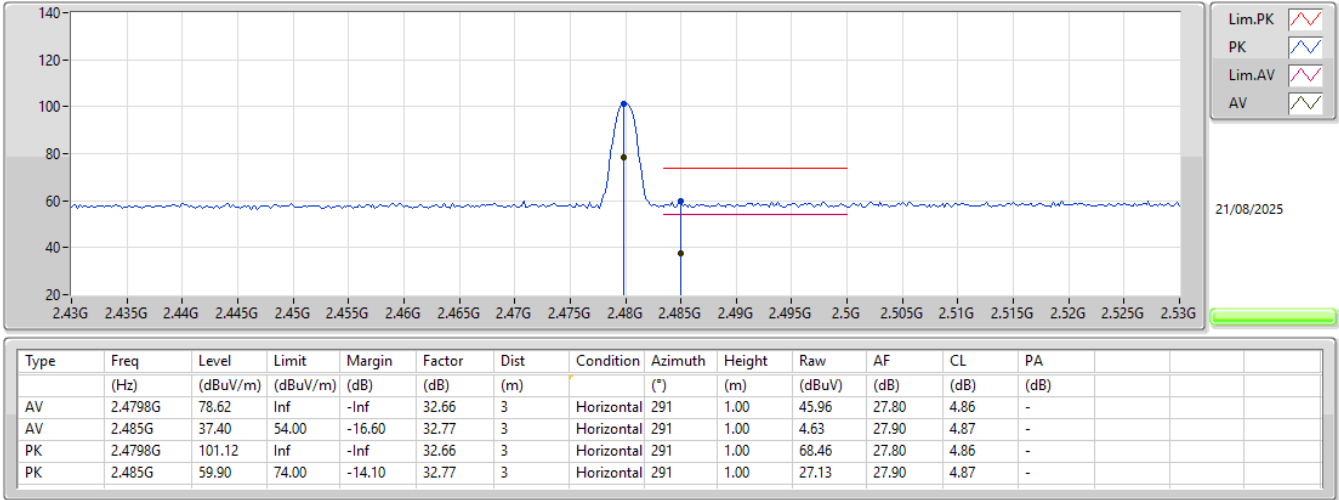
RSE TX above 1GHz_PIFA Antenna

Appendix G.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2480MHz	Pass	PK	2.4934G	59.51	74.00	-14.49	3	Horizontal	291	1.00
2480MHz	Pass	AV	4.95984G	21.42	54.00	-32.58	3	Vertical	56	1.01
2480MHz	Pass	AV	7.44173G	25.20	54.00	-28.80	3	Vertical	101	2.28
2480MHz	Pass	PK	4.95984G	43.92	74.00	-30.08	3	Vertical	56	1.01
2480MHz	Pass	PK	7.44173G	47.70	74.00	-26.30	3	Vertical	101	2.28
2480MHz	Pass	AV	4.96004G	21.66	54.00	-32.34	3	Horizontal	328	2.98
2480MHz	Pass	AV	7.44154G	24.85	54.00	-29.15	3	Horizontal	153	1.50
2480MHz	Pass	PK	4.96004G	44.16	74.00	-29.84	3	Horizontal	328	2.98
2480MHz	Pass	PK	7.44154G	47.35	74.00	-26.65	3	Horizontal	153	1.50

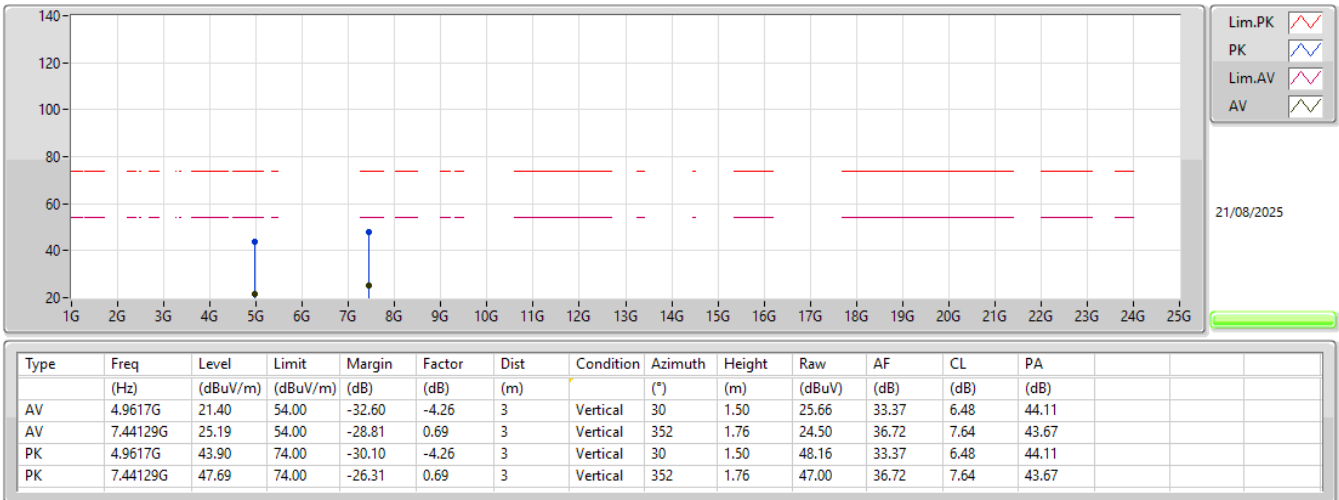
2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX



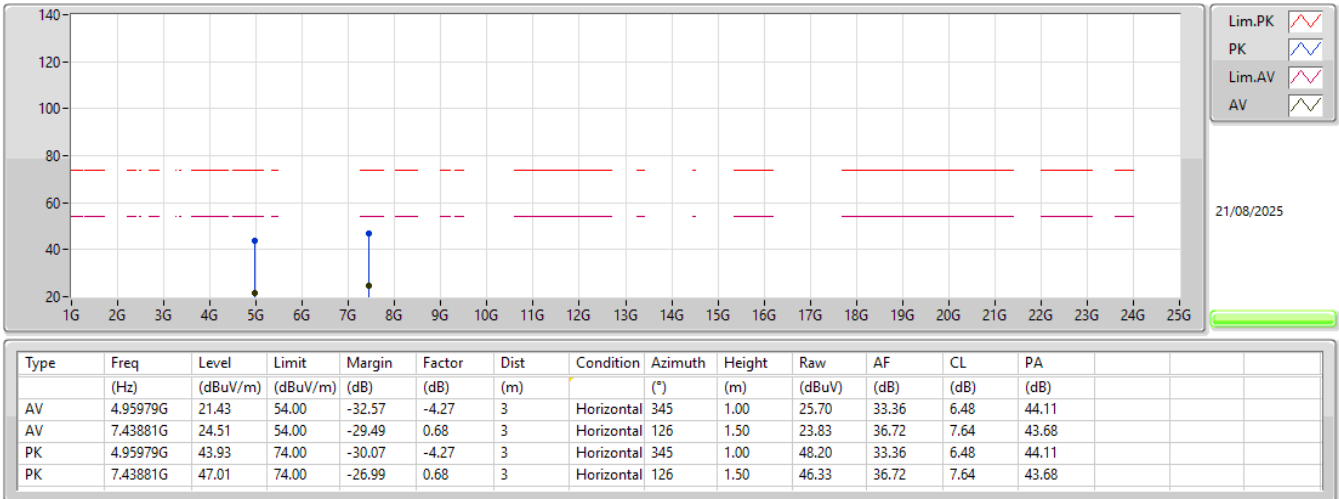
2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX



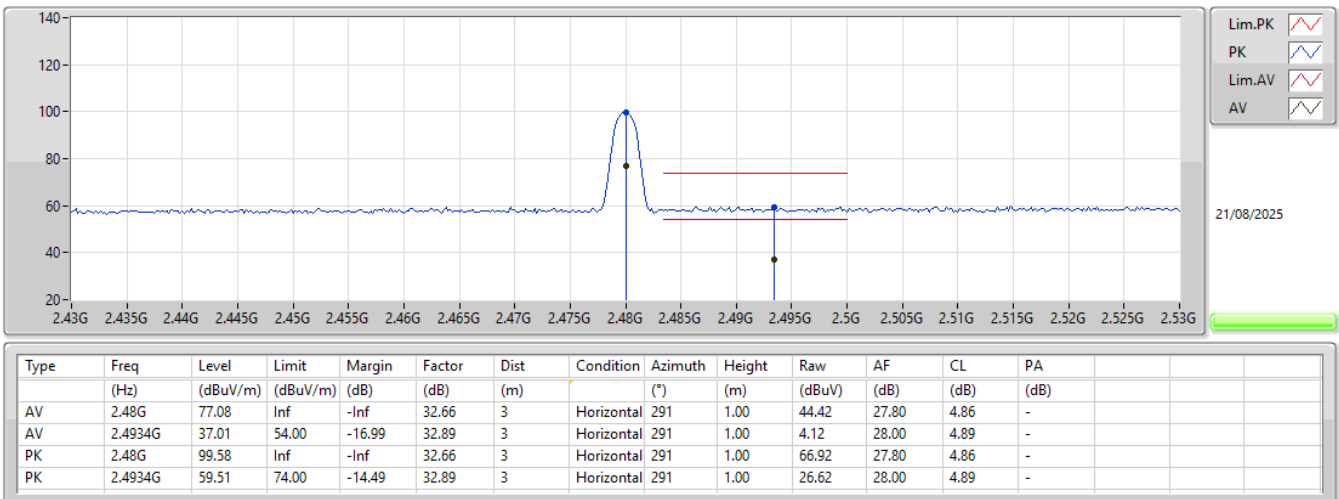
2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX



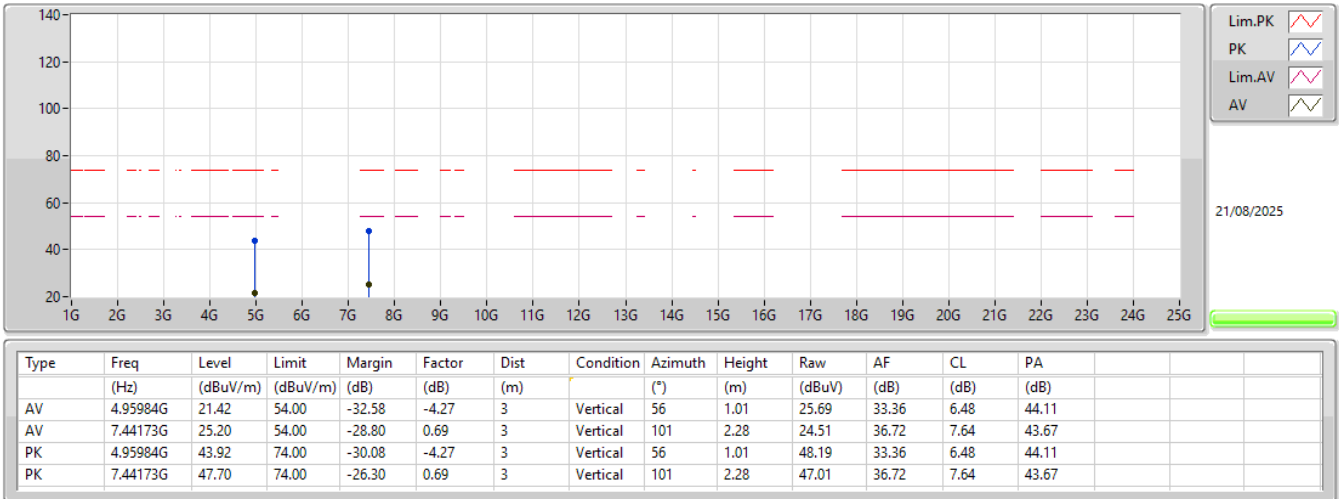
2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX



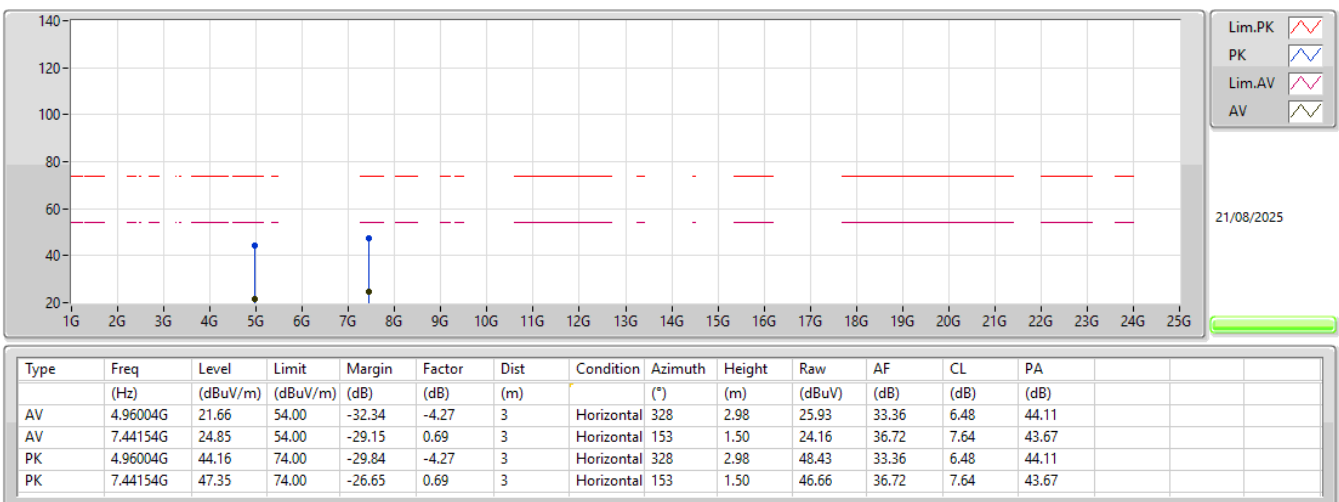
2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX





Summary

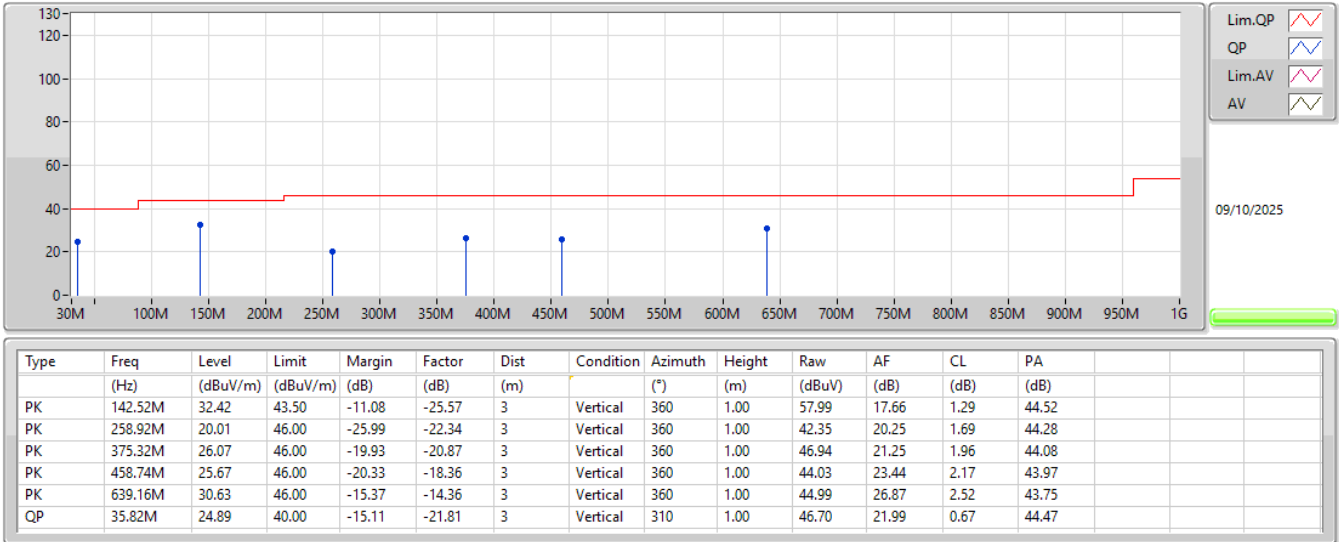
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	142.52M	32.42	43.50	-11.08	3	Vertical	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_Adapter	Pass	PK	142.52M	32.42	43.50	-11.08	3	Vertical	360	1.00
2440MHz_Adapter	Pass	PK	258.92M	20.01	46.00	-25.99	3	Vertical	360	1.00
2440MHz_Adapter	Pass	PK	375.32M	26.07	46.00	-19.93	3	Vertical	360	1.00
2440MHz_Adapter	Pass	PK	458.74M	25.67	46.00	-20.33	3	Vertical	360	1.00
2440MHz_Adapter	Pass	PK	639.16M	30.63	46.00	-15.37	3	Vertical	360	1.00
2440MHz_Adapter	Pass	QP	35.82M	24.89	40.00	-15.11	3	Vertical	310	1.00
2440MHz_Adapter	Pass	PK	105.66M	28.61	43.50	-14.89	3	Horizontal	0	1.00
2440MHz_Adapter	Pass	PK	183.26M	27.98	43.50	-15.52	3	Horizontal	0	1.00
2440MHz_Adapter	Pass	PK	291.9M	21.26	46.00	-24.74	3	Horizontal	0	1.00
2440MHz_Adapter	Pass	PK	375.32M	29.96	46.00	-16.04	3	Horizontal	0	1.00
2440MHz_Adapter	Pass	PK	540.22M	25.96	46.00	-20.04	3	Horizontal	0	1.00
2440MHz_Adapter	Pass	PK	621.7M	29.11	46.00	-16.89	3	Horizontal	0	1.00

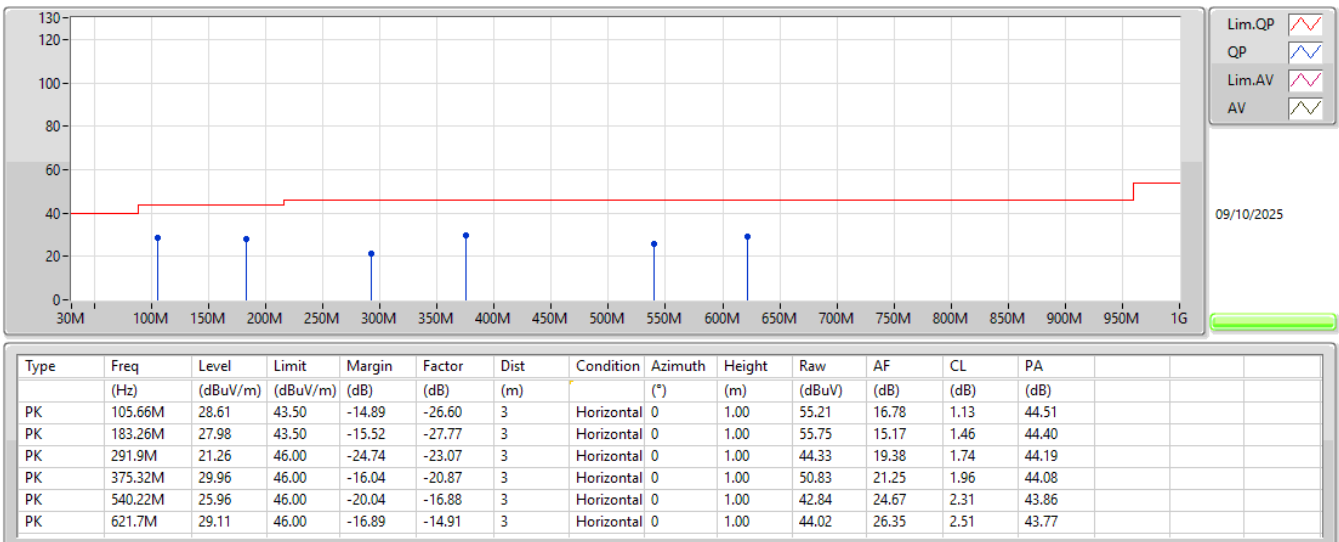
2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_Adapter



2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_Adapter





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-BR(1Mbps)	Pass	PK	2.4994G	59.65	74.00	-14.35	3	Vertical	193	1.00
BT-EDR(3Mbps)	Pass	PK	2.4908G	59.75	74.00	-14.25	3	Vertical	193	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz_TX	Pass	AV	2.3622G	36.32	54.00	-17.68	3	Vertical	196	1.00
2402MHz_TX	Pass	AV	2.4018G	80.35	Inf	-Inf	3	Vertical	196	1.00
2402MHz_TX	Pass	PK	2.3622G	58.82	74.00	-15.18	3	Vertical	196	1.00
2402MHz_TX	Pass	PK	2.4018G	102.85	Inf	-Inf	3	Vertical	196	1.00
2402MHz_TX	Pass	AV	4.80396G	21.62	54.00	-32.38	3	Vertical	152	1.13
2402MHz_TX	Pass	PK	4.80396G	44.12	74.00	-29.88	3	Vertical	152	1.13
2402MHz_TX	Pass	AV	4.8044G	19.41	54.00	-34.59	3	Horizontal	239	1.09
2402MHz_TX	Pass	PK	4.8044G	41.91	74.00	-32.09	3	Horizontal	239	1.09
2440MHz_TX	Pass	AV	2.3528G	36.00	54.00	-18.00	3	Vertical	194	1.01
2440MHz_TX	Pass	AV	2.44G	79.79	Inf	-Inf	3	Vertical	194	1.01
2440MHz_TX	Pass	AV	2.4888G	36.70	54.00	-17.30	3	Vertical	194	1.01
2440MHz_TX	Pass	PK	2.3528G	58.50	74.00	-15.50	3	Vertical	194	1.01
2440MHz_TX	Pass	PK	2.44G	102.29	Inf	-Inf	3	Vertical	194	1.01
2440MHz_TX	Pass	PK	2.4888G	59.20	74.00	-14.80	3	Vertical	194	1.01
2440MHz_TX	Pass	AV	4.88036G	21.54	54.00	-32.46	3	Vertical	22	1.16
2440MHz_TX	Pass	AV	7.32004G	25.34	54.00	-28.66	3	Vertical	0	1.84
2440MHz_TX	Pass	PK	4.88036G	44.04	74.00	-29.96	3	Vertical	22	1.16
2440MHz_TX	Pass	PK	7.32004G	47.84	74.00	-26.16	3	Vertical	0	1.84
2440MHz_TX	Pass	AV	4.87976G	20.41	54.00	-33.59	3	Horizontal	305	1.01
2440MHz_TX	Pass	AV	7.31966G	25.35	54.00	-28.65	3	Horizontal	62	1.45
2440MHz_TX	Pass	PK	4.87976G	42.91	74.00	-31.09	3	Horizontal	305	1.01
2440MHz_TX	Pass	PK	7.31966G	47.85	74.00	-26.15	3	Horizontal	62	1.45
2480MHz_TX	Pass	AV	2.4798G	79.44	Inf	-Inf	3	Vertical	193	1.00
2480MHz_TX	Pass	AV	2.4994G	37.15	54.00	-16.85	3	Vertical	193	1.00
2480MHz_TX	Pass	PK	2.4798G	101.94	Inf	-Inf	3	Vertical	193	1.00
2480MHz_TX	Pass	PK	2.4994G	59.65	74.00	-14.35	3	Vertical	193	1.00
2480MHz_TX	Pass	AV	4.95985G	22.59	54.00	-31.41	3	Vertical	213	1.00
2480MHz_TX	Pass	AV	7.44065G	24.37	54.00	-29.63	3	Vertical	297	1.50
2480MHz_TX	Pass	PK	4.95985G	45.09	74.00	-28.91	3	Vertical	213	1.00
2480MHz_TX	Pass	PK	7.44065G	46.87	74.00	-27.13	3	Vertical	297	1.50
2480MHz_TX	Pass	AV	4.96028G	21.15	54.00	-32.85	3	Horizontal	142	2.65
2480MHz_TX	Pass	AV	7.44094G	24.25	54.00	-29.75	3	Horizontal	322	1.50
2480MHz_TX	Pass	PK	4.96028G	43.65	74.00	-30.35	3	Horizontal	142	2.65
2480MHz_TX	Pass	PK	7.44094G	46.75	74.00	-27.25	3	Horizontal	322	1.50
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz_TX	Pass	AV	2.3734G	35.97	54.00	-18.03	3	Vertical	196	1.01
2402MHz_TX	Pass	AV	2.402G	81.53	Inf	-Inf	3	Vertical	196	1.01
2402MHz_TX	Pass	PK	2.3734G	58.47	74.00	-15.53	3	Vertical	196	1.01
2402MHz_TX	Pass	PK	2.402G	104.03	Inf	-Inf	3	Vertical	196	1.01
2402MHz_TX	Pass	AV	4.8038G	21.30	54.00	-32.70	3	Vertical	188	1.09
2402MHz_TX	Pass	PK	4.8038G	43.80	74.00	-30.20	3	Vertical	188	1.09
2402MHz_TX	Pass	AV	4.80419G	19.05	54.00	-34.95	3	Horizontal	148	1.49
2402MHz_TX	Pass	PK	4.80419G	41.55	74.00	-32.45	3	Horizontal	148	1.49
2440MHz_TX	Pass	AV	2.346G	36.40	54.00	-17.60	3	Vertical	194	1.00
2440MHz_TX	Pass	AV	2.44G	81.31	Inf	-Inf	3	Vertical	194	1.00
2440MHz_TX	Pass	AV	2.498G	36.46	54.00	-17.54	3	Vertical	194	1.00
2440MHz_TX	Pass	PK	2.346G	58.90	74.00	-15.10	3	Vertical	194	1.00
2440MHz_TX	Pass	PK	2.44G	103.81	Inf	-Inf	3	Vertical	194	1.00
2440MHz_TX	Pass	PK	2.498G	58.96	74.00	-15.04	3	Vertical	194	1.00
2440MHz_TX	Pass	AV	4.87964G	21.86	54.00	-32.14	3	Vertical	237	2.47
2440MHz_TX	Pass	AV	7.31992G	25.32	54.00	-28.68	3	Vertical	70	1.50
2440MHz_TX	Pass	PK	4.87964G	44.36	74.00	-29.64	3	Vertical	237	2.47
2440MHz_TX	Pass	PK	7.31992G	47.82	74.00	-26.18	3	Vertical	70	1.50
2440MHz_TX	Pass	AV	4.88039G	20.09	54.00	-33.91	3	Horizontal	305	1.00
2440MHz_TX	Pass	AV	7.31929G	24.79	54.00	-29.21	3	Horizontal	327	1.50
2440MHz_TX	Pass	PK	4.88039G	42.59	74.00	-31.41	3	Horizontal	305	1.00
2440MHz_TX	Pass	PK	7.31929G	47.29	74.00	-26.71	3	Horizontal	327	1.50
2480MHz_TX	Pass	AV	2.48G	81.28	Inf	-Inf	3	Vertical	193	1.00
2480MHz_TX	Pass	AV	2.4908G	37.25	54.00	-16.75	3	Vertical	193	1.00
2480MHz_TX	Pass	PK	2.48G	103.78	Inf	-Inf	3	Vertical	193	1.00



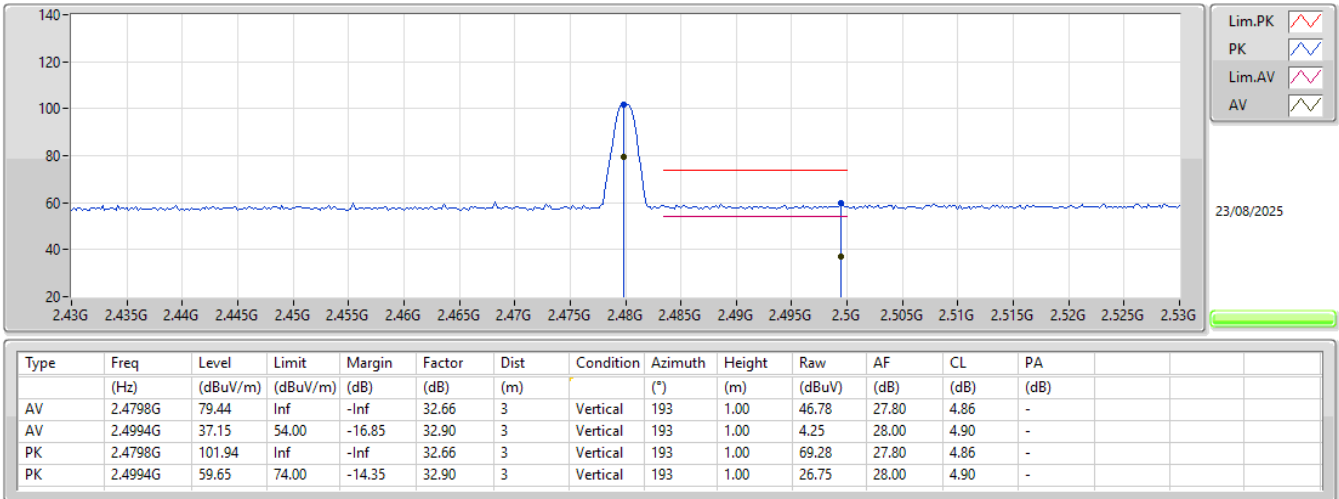
RSE TX above 1GHz_Dipole Antenna

Appendix G.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2480MHz_TX	Pass	PK	2.4908G	59.75	74.00	-14.25	3	Vertical	193	1.00
2480MHz_TX	Pass	AV	4.95988G	23.95	54.00	-30.05	3	Vertical	4	2.30
2480MHz_TX	Pass	AV	7.44043G	24.91	54.00	-29.09	3	Vertical	186	2.30
2480MHz_TX	Pass	PK	4.95988G	46.45	74.00	-27.55	3	Vertical	4	2.30
2480MHz_TX	Pass	PK	7.44043G	47.41	74.00	-26.59	3	Vertical	186	2.30
2480MHz_TX	Pass	AV	4.96044G	21.51	54.00	-32.49	3	Horizontal	144	1.35
2480MHz_TX	Pass	AV	7.4409G	24.27	54.00	-29.73	3	Horizontal	227	2.37
2480MHz_TX	Pass	PK	4.96044G	44.01	74.00	-29.99	3	Horizontal	144	1.35
2480MHz_TX	Pass	PK	7.4409G	46.77	74.00	-27.23	3	Horizontal	227	2.37

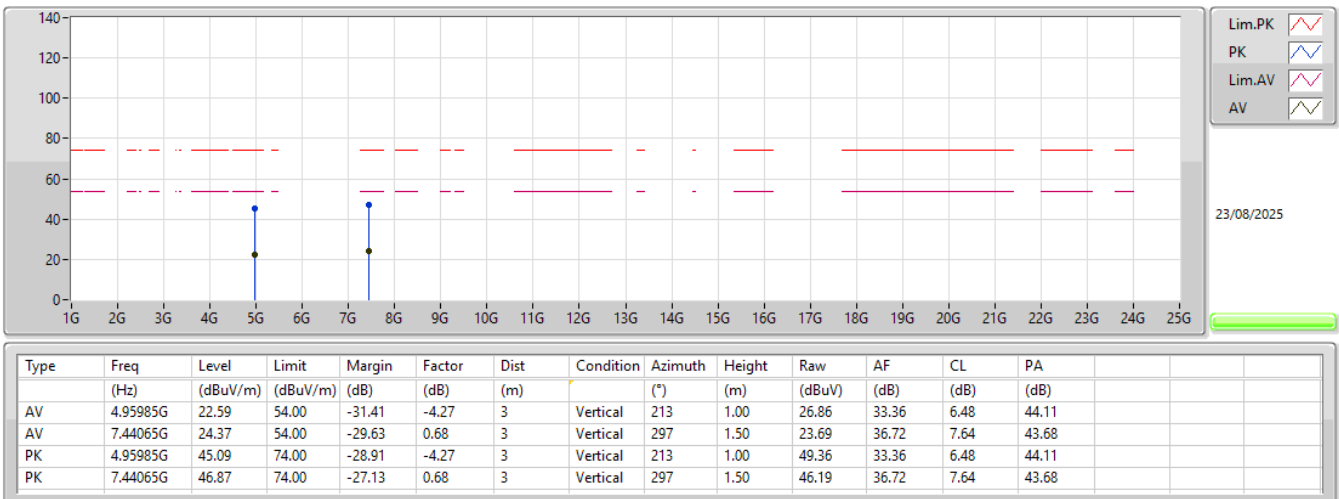
2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX



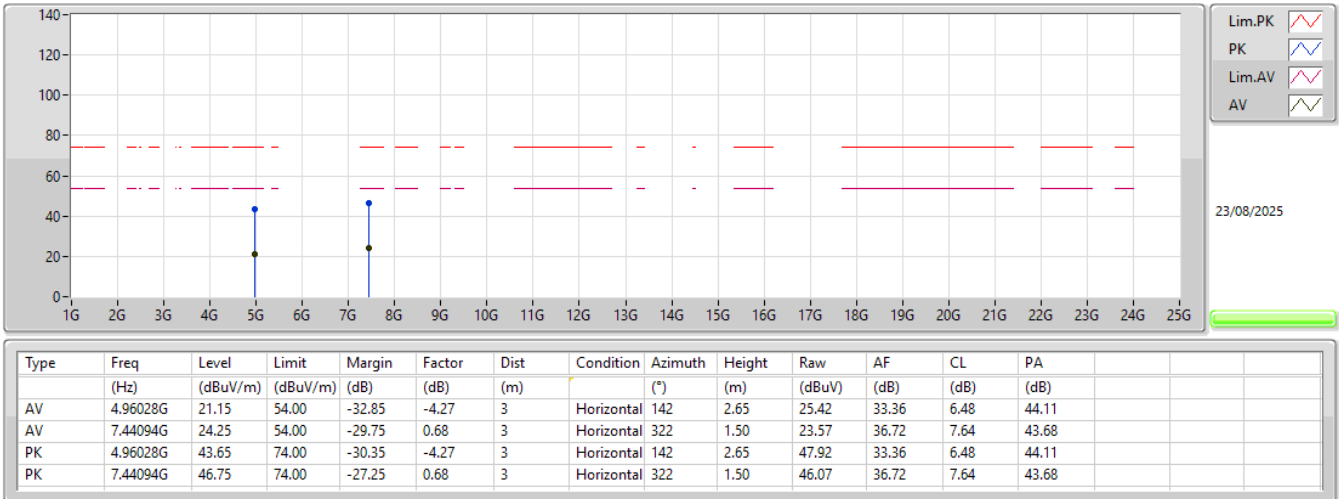
2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX



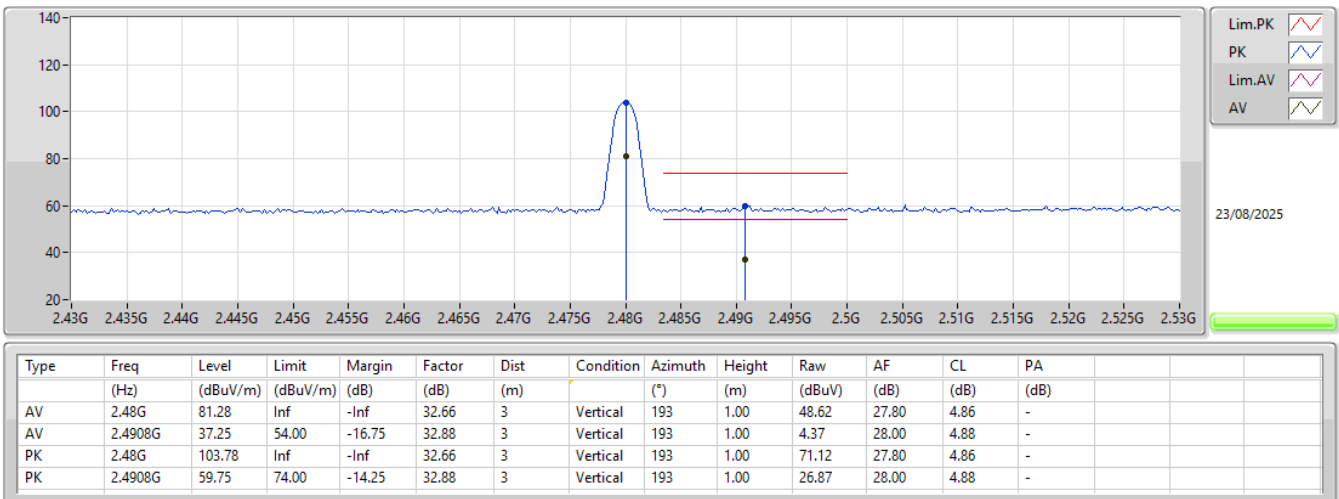
2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX



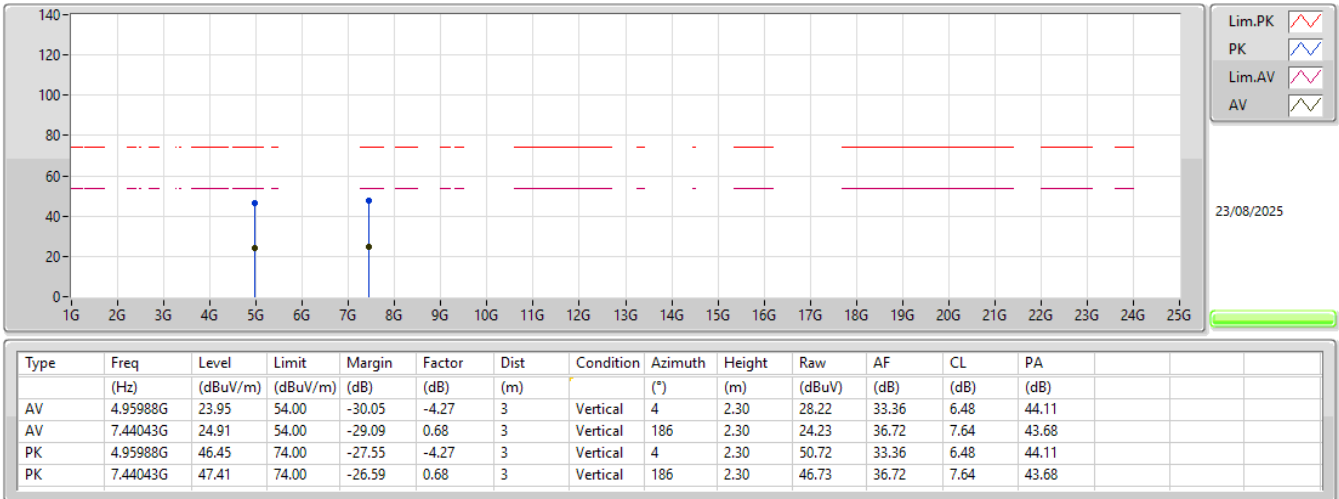
2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX

