

Japan Test Report

Equipment : Vela IF310 Bluetooth 6.0 Classic and LE Audio Module
Model No. : Vela IF310
Brand Name : Ezurio
Applicant : Ezurio LLC
Address : W66N220 Commerce Court, Cedarburg, WI 53012, USA
Standard : Article 2 Paragraph 1 Item 19
Received Date : Oct. 22, 2025
Tested Date : Dec. 30, 2025

Measurement was conducted by the following test method:
the test method of Ordinance Concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment in Annex 1, the Ministry of Internal Affairs and Communications notification in Annex "43" of Article 88, Paragraph 1.

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Approved by:


Alex Huang / Supervisor


Gary Chang / Manager

Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Test Equipment and Calibration Data	9
1.3	Testing Applied Standards	9
1.4	Deviation from Test Standard and Measurement Procedure.....	9
1.5	Measurement Uncertainty	10
2	TEST CONFIGURATION.....	11
2.1	Testing Location and Conditions.....	11
2.2	Testing Facility	11
2.3	The Worst Test Modes and Channel Details	11
3	TRANSMITTER TEST RESULTS	12
3.1	Antenna Power	12
3.2	Frequency Tolerance	13
3.3	Occupied Bandwidth	14
3.4	Transmitter Spurious Emissions.....	15
3.5	Dwell time	16
3.6	Interference Prevention Function	17
4	RECEIVER TEST RESULTS	18
4.1	Receiver Spurious Emissions.....	18
5	TEST LABORATORY INFORMATION	19

Appendix A. Antenna Power

Appendix B. Frequency Tolerance

Appendix C. Occupied Bandwidth

Appendix D. Transmitter Spurious Emissions

Appendix E. Dwell Time

Appendix F. Interference Prevention Function

Appendix G. Receiver Spurious Emissions

Release Record

Report No.	Version	Description	Issued Date
JR5O2201AD	Rev. 01	Initial issue	Jan. 19, 2026

Summary of Test Results

Ref. Std. Clause	Description	Result
3.2(2)(3)	Antenna Power / Tolerances for antenna power	Pass
3.2(4)	Frequency Tolerance	Pass
3.2(6)	Transmitter Spurious Emission	Pass
3.2(7)	Occupied Bandwidth	Pass
3.2(11)	Dwell time	Pass
3.4.1	Interference prevention function	Pass
3.3(1)	Receiver Spurious Emission	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:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

1.1.1 Product Details

Brand Name	Model Name	Product Name	Description
Ezurio	Vela IF310	Vela IF310 Bluetooth 6.0 Classic and LE Audio Module	453-00390: Module with integrated PCB printed antenna
			453-00391: Module with MHF4 connector
			453-00392: Module with RF trace extending to the carrier board

1.1.2 Specification of the Equipment under Test (EUT)

Power Type	3.3Vdc from host
Type(s) of Modulation / Technology	FHSS / GFSK = 1Mbps, $\pi/4$ DQPSK = 2Mbps, 8DPSK = 3Mbps
Frequency Range (MHz)	2402 ~ 2480 MHz
Total Channel Number	79
HW Version	PCBA Rev 1-1
SW Version	CYW55500A1_001.002.032.0233.0096.hcd

1.1.3 Antenna Details

External Antenna list for Vela IF310 MHF4 module variant (453-00391) & (453-00392)

Manufacturer	Model	Part Number	Type	Connector	Gain (dBi)
Ezurio	NanoBlue	EBL2400A1-10M H4L	PCB Dipole	IPEX MHF4	2
Ezurio	FlexPIFA	001-0022	FlexPIFA	IPEX MHF4L	2
Ezurio	mFlexPIFA	EFA2400A3S-10 MH4L	PIFA	IPEX MHF4L	2
Mag.Layers	EDA-8709-2G4C 1-B27-CY	0600-00057	Dipole	IPEX MHF4	2.32
Ezurio	i-FlexPIFATM Mini Series	EFG2401A3S-10 MH4L	i-FlexPIFA	IPEX MHF4L	2

Integrated Antenna Vela IF310 PCB printed antenna module variant (453-00390)

Manufacturer	Model	Part Number	Type	Connector	Gain (dBi)
Ignion	Embedded Virtual Antenna	NN00-101	PCB Trace Antenna	N/A	3.2

Note: Please refer to antenna report for more details about antenna pattern and other information.

1.1.4 Accessories

N/A.

1.1.5 Antenna Power

Configuration 1: part no. 453-00391

Operating Mode	Rated Power (mW/MHz)	Measured Conducted Power (mW/MHz)	Radiated Power (mW/MHz)
BT-BR (1Mbps)	0.05	0.04875	0.10186
BT-EDR (3Mbps)	0.025	0.02606	0.05445
BT-BR-AFH (1Mbps)	0.2	0.18880	0.39446
BT-EDR-AFH (3Mbps)	0.1	0.10000	0.20893

Configuration 2: part no. 453-00392

Operating Mode	Rated Power (mW/MHz)	Measured Conducted Power (mW/MHz)	Radiated Power (mW/MHz)
BT-BR (1Mbps)	0.05	0.04710	0.08035
BT-EDR (3Mbps)	0.025	0.02649	0.04519
BT-BR-AFH (1Mbps)	0.2	0.18197	0.31046
BT-EDR-AFH (3Mbps)	0.1	0.10162	0.17338

1.1.6 Channel List

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461	-	-

1.1.7 Test Tool and Power Index

Test Tool
airocbluetoothtool, Version: 1.1.0.1996

Power Index					
Channel	Frequency (MHz)	BT-BR(1Mbps)	BT-EDR(3Mbps)	BT-BR-AFH(1Mbps)	BT-EDR-AFH(3Mbps)
0	2402	CMW 500 Max Power	CMW 500 Max Power	CMW 500 Max Power	CMW 500 Max Power
39	2441	CMW 500 Max Power	CMW 500 Max Power	CMW 500 Max Power	CMW 500 Max Power
78	2480	CMW 500 Max Power	CMW 500 Max Power	CMW 500 Max Power	CMW 500 Max Power

1.1.8 Test Voltage

Test Voltage	☒ Vnom (3.3 Vdc)	☒ Vmax (4.8 Vdc)	☒ Vmin (3 Vdc)
--------------	--	--	--

1.1.9 Protection Method for High Frequency and Modulation Section

Protected Method	Description
Shielding Case	RF and Modulation components are covered with shielding case and this shielding case is soldered

1.2 Test Equipment and Calibration Data

Test Item	RF Conducted						
Test Site	(TH01-WS)						
Tested Date	Dec. 30, 2025						
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until	Calibration Authority	Calibration Method
Spectrum Analyzer	R&S	FSV3044	101516	Jun. 09, 2025	Jun. 08, 2026	ETC	(C)
DC POWER SOURCE	GW INSTEK	GPE-6030	GEZ824073	Oct. 27, 2025	Oct. 26, 2026	ETC	(C)
Power Sensor	Anritsu	MA2411B	1207367	Feb. 18, 2025	Feb. 17, 2026	ETC	(C)
Power Meter	Anritsu	ML2495A	1218007	Feb. 18, 2025	Feb. 17, 2026	ETC	(C)
Wideband Radio Communication Tester	R&S	CMW500	106070	Apr. 02, 2025	Apr. 01, 2026	ETC	(C)
Measurement Software	Sporton	SENSE	5.11.9	NA	NA	N/A	N/A
Note 1: Calibration Interval of instruments listed above is one year. Note 2: Calibration Method a. Calibration conducted by the National Institute of Information and Communications Technology(NICT) or a designated calibration agency under Article 102-18 paragraph (1) of the Radio Law. b. Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System. c. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1). d. Calibration conducted by using other equipment that listed above from a) to c).							

1.3 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

Article 2 Paragraph 1 Item 19

1.4 Deviation from Test Standard and Measurement Procedure

None

1.5 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$)).

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	± 34.139 Hz
Conducted power	± 0.808 dB
Frequency error	$\pm 1 \times 10^{-9}$
TX Conducted emission	± 2.680 dB
RX Conducted emission	± 3.034 dB
Time	$\pm 0.1\%$

2 Test Configuration

2.1 Testing Location and Conditions

Test Site	Site Category	Ambient Condition	Tested By
TH01-WS	OVEN Room	24.3°C / 62%	Jack Li

2.2 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

2.3 The Worst Test Modes and Channel Details

Test item	Mode	Test channel	Test Configuration
Antenna Power	BT-BR(1Mbps) / BT-EDR(3Mbps) / BT-BR-AFH(1Mbps) / BT-EDR-AFH(3Mbps)	Hopping	1, 2
Frequency Tolerance	BT-BR(1Mbps) / BT-EDR(3Mbps)	0 / 39 / 78	1
Occupied Bandwidth	BT-BR(1Mbps) / BT-EDR(3Mbps) / BT-BR-AFH(1Mbps) / BT-EDR-AFH(3Mbps)	Hopping	1
Transmitter Spurious Emission	BT-BR(1Mbps) / BT-EDR(3Mbps)	Hopping	1
Dwell time	BT-BR(1Mbps) / BT-EDR(3Mbps) / BT-BR-AFH(1Mbps) / BT-EDR-AFH(3Mbps)	Hopping	1
Interference Prevention Function	BT-BR(1Mbps) / BT-EDR(3Mbps) / BT-BR-AFH(1Mbps) / BT-EDR-AFH(3Mbps)	Hopping	1
Receiver Spurious Emission	BT-BR(1Mbps) / BT-EDR(3Mbps)	0 / 39 / 78	1
NOTE:			
1. Test configurations are listed as below:			
Configuration 1: part no. 453-00391			
Configuration 2: part no. 453-00392			

3 Transmitter Test Results

3.1 Antenna Power

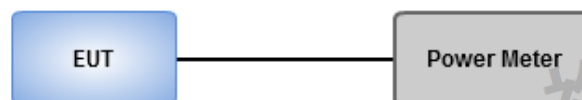
3.1.1 Limit of Antenna Power

Spread Spectrum Method	Frequency Range	Limit	Tolerance
1) FHSS (compound method with DSSS or OFDM)	2427 ~ 2470.75 MHz	3 mW / MHz	+20 %
	2400 ~ 2483.5 MHz (except 2427 ~2470.75MHz)	10 mW/MHz	
2) DSSS	2400 ~ 2483.5 MHz	10 mW / MHz	
3) OFDM (OBW with 26 MHz)	2400 ~ 2483.5 MHz	10 mW / MHz	
4) OFDM (OWB with 26 ~ 40MHz)	2400 ~ 2483.5 MHz	5 mW / MHz	
5) Other method (Except SS & OFDM)	2400 ~ 2483.5 MHz	10mW	

3.1.2 Test Procedures

1. Measure the total power by Power Meter in a state of hopping mode
2. Measure the burst ratio. Then calculate the real total power by burst ratio.
3. Calculate the mean power per 1MHz by dividing the total power by spread bandwidth
4. $\text{Output Power Density (mW/MHz)} = \text{Total Output Power (mW)} / \text{Burst Ratio} / \text{Spread Bandwidth (MHz)}$

3.1.3 Test Setup



3.1.4 Test Results

Refer to Appendix A.

3.2 Frequency Tolerance

3.2.1 Limit of Frequency Tolerance

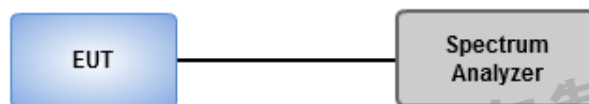
Frequency tolerance shall be +/- 50ppm.

3.2.2 Test Procedures

1. Set Span = 500kHz, RBW = 1kHz, VBW = 3kHz, Sweep time = Auto, detector = Peak.
2. Use Peak search function to find the max peak value and record this value (RF).
3. Calculate frequency tolerance by below formula
$$FT(ppm) = \{ (RF) - (MF) / (MF) \} \times 1000000$$

(FT: Frequency Tolerance, RF: Reading Frequency, MF: Measurement Frequency.)

3.2.3 Test Setup



3.2.4 Test Results

Refer to Appendix B.

3.3 Occupied Bandwidth

3.3.1 Limit of Occupied Bandwidth

Spread Spectrum Method	Limit (MHz)
FHSS (compound method with DSSS or OFDM)	83.5
DSSS	26
OFDM(Narrow bandwidth)	26
OFDM(Wide bandwidth)	26 ~ 40
Other method (Except SS & OFDM)	26

3.3.2 Test Procedures

1. Set Span = 200MHz, RBW = VBW = 300kHz, detector = Peak, Sweep time = Auto.
2. Enable OBW function of spectrum analyzer to measure 99% bandwidth of total power.

3.3.3 Test Setup



3.3.4 Test Results

Refer to Appendix C.

3.4 Transmitter Spurious Emissions

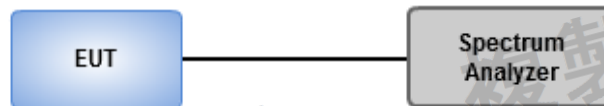
3.4.1 Limit of Transmitter Spurious Emissions

Item	Limits
Tx Spurious Emission	$\leq 2.5 \mu\text{W} / \text{MHz}$ ($2387\text{MHz} > f$; $2496.5\text{MHz} < f$).
	$\leq 25 \mu\text{W} / \text{MHz}$ ($2387\text{MHz} \leq f < 2400\text{MHz}$) and ($2483.5\text{MHz} < f \leq 2496.5\text{MHz}$).

3.4.2 Test Procedures

1. Set EUT to transmit at rated power and channel to perform test.
2. Set RBW = VBW = 1MHz, Detector type = Peak, Sweep time = Auto.
3. Following above setting of spectrum analyzer to measure spurious emission of 30~12500 MHz.

3.4.3 Test Setup



3.4.4 Test Results

Refer to Appendix D.

3.5 Dwell time

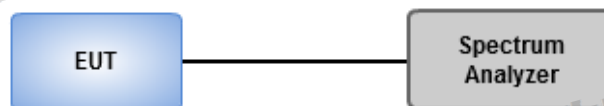
3.5.1 Limit of Dwell time

Limits	Shall be less than 0.4 second
--------	-------------------------------

3.5.2 Test Procedures

1. Set EUT to transmit at rated power and channel to perform test.
2. Set RBW = VBW = 300kHz, Detector type = Peak, Span = Zero Span, Sweep time = 5 msec.
3. Use marker function to measure Burst on and off time.
4. Burst ratio = On Time / (On Time + Off time)

3.5.3 Test Setup



3.5.4 Test Results

Refer to Appendix E.

3.6 Interference Prevention Function

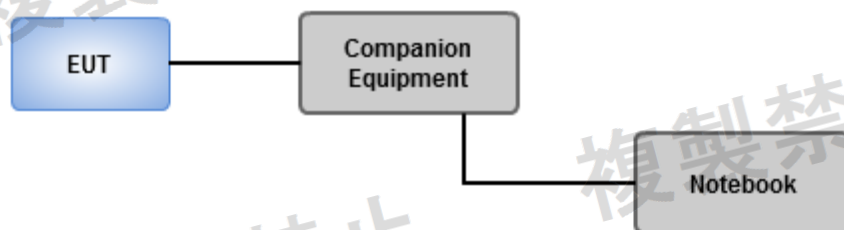
3.6.1 Limit of Interference Prevention Function

Limits
The identification code shall be 48 bits long

3.6.2 Test Procedures

1. Set EUT under operating mode and link up with companion equipment
2. Check communication status between EUT and companion equipment is normal
3. Confirm the MAC address of EUT

3.6.3 Test Setup



3.6.4 Test Results

Refer to Appendix F.

4 Receiver Test Results

4.1 Receiver Spurious Emissions

4.1.1 Limit of Receiver Spurious Emissions

Item	Limits
Rx Spurious Emission	$\leq 4\text{nW}$ ($f < 1\text{GHz}$).
	$\leq 20\text{nW}$ ($1\text{GHz} \leq f$).

4.1.2 Test Procedures

1. Set EUT under receiving condition to perform test
2. Set RBW = VBW = 100kHz, detector = Peak, Sweep time = Auto for emission measurement below 1GHz.
3. Set RBW = VBW=1MHz, detector = Peak, Sweep time = Auto for emission measurement above 1GHz.

4.1.3 Test Setup



4.1.4 Test Results

Refer to Appendix G.

5 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <https://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
(R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666

Fax: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

==END==



Configuration 1: part no. 453-00391

Summary

Mode	Result	Antenna Power (dBm/MHz)	Antenna Power (mW/MHz)	Declare (mW/MHz)	Tolerance (%)	Limit+ (%)	Limit- (%)
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	-13.12	0.04875	0.05	-2.49	20	-Inf
BT-BR-AFH(1Mbps)	Pass	-7.24	0.18880	0.2	-5.60	20	-Inf
BT-EDR(3Mbps)	Pass	-15.84	0.02606	0.025	4.25	20	-Inf
BT-EDR-AFH(3Mbps)	Pass	-10.00	0.10000	0.1	0.00	20	-Inf

Inf = There's no restriction for the limit.

Result

Mode	Result	Antenna Power (dBm/MHz)	Antenna Power (mW/MHz)	Declare (mW/MHz)	Tolerance (%)	Limit+ (%)	Limit- (%)
BT-BR(1Mbps)	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	-13.14	0.04853	0.05	-2.94	20	-Inf
Hopping Mode_TnomVmin	Pass	-13.17	0.04819	0.05	-3.61	20	-Inf
Hopping Mode_TnomVmax	Pass	-13.12	0.04875	0.05	-2.49	20	-Inf
BT-EDR(3Mbps)	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	-15.86	0.02594	0.025	3.77	20	-Inf
Hopping Mode_TnomVmin	Pass	-15.87	0.02588	0.025	3.53	20	-Inf
Hopping Mode_TnomVmax	Pass	-15.84	0.02606	0.025	4.25	20	-Inf
BT-BR-AFH(1Mbps)	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	-7.26	0.18793	0.2	-6.03	20	-Inf
Hopping Mode_TnomVmin	Pass	-7.29	0.18664	0.2	-6.68	20	-Inf
Hopping Mode_TnomVmax	Pass	-7.24	0.18880	0.2	-5.60	20	-Inf
BT-EDR-AFH(3Mbps)	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	-10.03	0.09931	0.1	-0.69	20	-Inf
Hopping Mode_TnomVmin	Pass	-10.05	0.09886	0.1	-1.14	20	-Inf
Hopping Mode_TnomVmax	Pass	-10.00	0.10000	0.1	0.00	20	-Inf

Inf = There's no restriction for the limit.



Antenna Power

Appendix A.1

Configuration 1: part no. 453-00391

Summary

Mode	Antenna Power (dBm/MHz)	Antenna Power (mW/MHz)	EIRP Antenna Power (dBm/MHz)	EIRP Antenna Power (mW/MHz)
2.4-2.4835GHz	-	-	-	-
BT-BR(1Mbps)	-13.12	0.04875	-9.92	0.10186
BT-BR-AFH(1Mbps)	-7.24	0.18880	-4.04	0.39446
BT-EDR(3Mbps)	-15.84	0.02606	-12.64	0.05445
BT-EDR-AFH(3Mbps)	-10.00	0.10000	-6.80	0.20893

Result

Mode	Result	Gain (dBi)	Antenna Power (dBm/MHz)	Antenna Power (mW/MHz)	Antenna Power Lim. (mW/MHz)	EIRP Antenna Power (dBm/MHz)	EIRP Antenna Power (mW/MHz)	EIRP Antenna Power Lim. (mW/MHz)
BT-BR(1Mbps)	-	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	3.20	-13.14	0.04853	3	-9.94	0.10139	4.91
Hopping Mode_TnomVmin	Pass	3.20	-13.17	0.04819	3	-9.97	0.10069	4.91
Hopping Mode_TnomVmax	Pass	3.20	-13.12	0.04875	3	-9.92	0.10186	4.91
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	3.20	-15.86	0.02594	3	-12.66	0.05420	4.91
Hopping Mode_TnomVmin	Pass	3.20	-15.87	0.02588	3	-12.67	0.05408	4.91
Hopping Mode_TnomVmax	Pass	3.20	-15.84	0.02606	3	-12.64	0.05445	4.91
BT-BR-AFH(1Mbps)	-	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	3.20	-7.26	0.18793	3	-4.06	0.39264	4.91
Hopping Mode_TnomVmin	Pass	3.20	-7.29	0.18664	3	-4.09	0.38994	4.91
Hopping Mode_TnomVmax	Pass	3.20	-7.24	0.18880	3	-4.04	0.39446	4.91
BT-EDR-AFH(3Mbps)	-	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	3.20	-10.03	0.09931	3	-6.83	0.20749	4.91
Hopping Mode_TnomVmin	Pass	3.20	-10.05	0.09886	3	-6.85	0.20654	4.91
Hopping Mode_TnomVmax	Pass	3.20	-10.00	0.10000	3	-6.80	0.20893	4.91



Configuration 2: part no. 453-00392

Summary

Mode	Result	Antenna Power (dBm/MHz)	Antenna Power (mW/MHz)	Declare (mW/MHz)	Tolerance (%)	Limit+ (%)	Limit- (%)
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	-13.27	0.04710	0.05	-5.80	20	-Inf
BT-BR-AFH(1Mbps)	Pass	-7.40	0.18197	0.2	-9.01	20	-Inf
BT-EDR(3Mbps)	Pass	-15.77	0.02649	0.025	5.94	20	-Inf
BT-EDR-AFH(3Mbps)	Pass	-9.93	0.10162	0.1	1.62	20	-Inf

Inf = There's no restriction for the limit.

Result

Mode	Result	Antenna Power (dBm/MHz)	Antenna Power (mW/MHz)	Declare (mW/MHz)	Tolerance (%)	Limit+ (%)	Limit- (%)
BT-BR(1Mbps)	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	-13.28	0.04699	0.05	-6.02	20	-Inf
Hopping Mode_TnomVmin	Pass	-13.30	0.04677	0.05	-6.45	20	-Inf
Hopping Mode_TnomVmax	Pass	-13.27	0.04710	0.05	-5.80	20	-Inf
BT-EDR(3Mbps)	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	-15.77	0.02649	0.025	5.94	20	-Inf
Hopping Mode_TnomVmin	Pass	-15.79	0.02636	0.025	5.45	20	-Inf
Hopping Mode_TnomVmax	Pass	-15.77	0.02649	0.025	5.94	20	-Inf
BT-BR-AFH(1Mbps)	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	-7.42	0.18113	0.2	-9.43	20	-Inf
Hopping Mode_TnomVmin	Pass	-7.43	0.18072	0.2	-9.64	20	-Inf
Hopping Mode_TnomVmax	Pass	-7.40	0.18197	0.2	-9.01	20	-Inf
BT-EDR-AFH(3Mbps)	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	-9.94	0.10139	0.1	1.39	20	-Inf
Hopping Mode_TnomVmin	Pass	-9.97	0.10069	0.1	0.69	20	-Inf
Hopping Mode_TnomVmax	Pass	-9.93	0.10162	0.1	1.62	20	-Inf

Inf = There's no restriction for the limit.



Antenna Power

Appendix A.2

Configuration 2: part no. 453-00392

Summary

Mode	Antenna Power (dBm/MHz)	Antenna Power (mW/MHz)	EIRP Antenna Power (dBm/MHz)	EIRP Antenna Power (mW/MHz)
2.4-2.4835GHz	-	-	-	-
BT-BR(1Mbps)	-13.27	0.04710	-10.95	0.08035
BT-BR-AFH(1Mbps)	-7.40	0.18197	-5.08	0.31046
BT-EDR(3Mbps)	-15.77	0.02649	-13.45	0.04519
BT-EDR-AFH(3Mbps)	-9.93	0.10162	-7.61	0.17338

Result

Mode	Result	Gain (dBi)	Antenna Power (dBm/MHz)	Antenna Power (mW/MHz)	Antenna Power Lim. (mW/MHz)	EIRP Antenna Power (dBm/MHz)	EIRP Antenna Power (mW/MHz)	EIRP Antenna Power Lim. (mW/MHz)
BT-BR(1Mbps)	-	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	2.32	-13.28	0.04699	3	-10.96	0.08017	4.91
Hopping Mode_TnomVmin	Pass	2.32	-13.30	0.04677	3	-10.98	0.07980	4.91
Hopping Mode_TnomVmax	Pass	2.32	-13.27	0.04710	3	-10.95	0.08035	4.91
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	2.32	-15.77	0.02649	3	-13.45	0.04519	4.91
Hopping Mode_TnomVmin	Pass	2.32	-15.79	0.02636	3	-13.47	0.04498	4.91
Hopping Mode_TnomVmax	Pass	2.32	-15.77	0.02649	3	-13.45	0.04519	4.91
BT-BR-AFH(1Mbps)	-	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	2.32	-7.42	0.18113	3	-5.10	0.30903	4.91
Hopping Mode_TnomVmin	Pass	2.32	-7.43	0.18072	3	-5.11	0.30832	4.91
Hopping Mode_TnomVmax	Pass	2.32	-7.40	0.18197	3	-5.08	0.31046	4.91
BT-EDR-AFH(3Mbps)	-	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	2.32	-9.94	0.10139	3	-7.62	0.17298	4.91
Hopping Mode_TnomVmin	Pass	2.32	-9.97	0.10069	3	-7.65	0.17179	4.91
Hopping Mode_TnomVmax	Pass	2.32	-9.93	0.10162	3	-7.61	0.17338	4.91



Summary

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
2.4-2.4835GHz	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.402G	2.402015372G	6.3997	±50	1	-
BT-EDR(3Mbps)	Pass	2.402G	2.402015311G	6.3743	±50	1	-

Result

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
BT-BR(1Mbps)	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402G	2.402015372G	6.3997	±50	1	-
2402MHz_TnomVmin	Pass	2.402G	2.402015347G	6.3893	±50	1	-
2402MHz_TnomVmax	Pass	2.402G	2.402015348G	6.3897	±50	1	-
2441MHz_TnomVnom	Pass	2.441G	2.441008801G	3.6055	±50	1	-
2441MHz_TnomVmin	Pass	2.441G	2.44100881G	3.6092	±50	1	-
2441MHz_TnomVmax	Pass	2.441G	2.44100881G	3.6092	±50	1	-
2480MHz_TnomVnom	Pass	2.48G	2.48000231G	0.9315	±50	1	-
2480MHz_TnomVmin	Pass	2.48G	2.480002293G	0.9246	±50	1	-
2480MHz_TnomVmax	Pass	2.48G	2.480002327G	0.9383	±50	1	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402G	2.402015311G	6.3743	±50	1	-
2402MHz_TnomVmin	Pass	2.402G	2.402015306G	6.3722	±50	1	-
2402MHz_TnomVmax	Pass	2.402G	2.402015291G	6.3659	±50	1	-
2441MHz_TnomVnom	Pass	2.441G	2.441008808G	3.6084	±50	1	-
2441MHz_TnomVmin	Pass	2.441G	2.441008807G	3.6079	±50	1	-
2441MHz_TnomVmax	Pass	2.441G	2.441008808G	3.6084	±50	1	-
2480MHz_TnomVnom	Pass	2.48G	2.48000232G	0.9355	±50	1	-
2480MHz_TnomVmin	Pass	2.48G	2.480002313G	0.9327	±50	1	-
2480MHz_TnomVmax	Pass	2.48G	2.480002323G	0.9367	±50	1	-

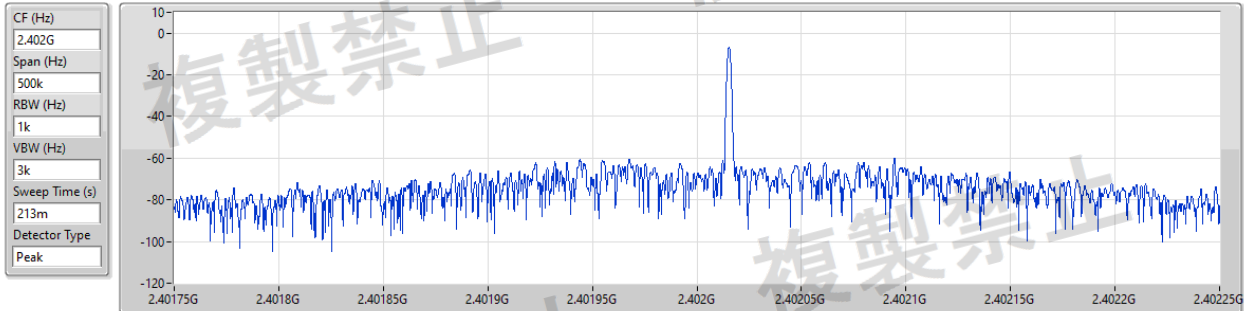


2.4-2.4835GHz_BT-BR(1Mbps)

Freq. Stability-FS

2402MHz_TnomVnom

30/12/2025

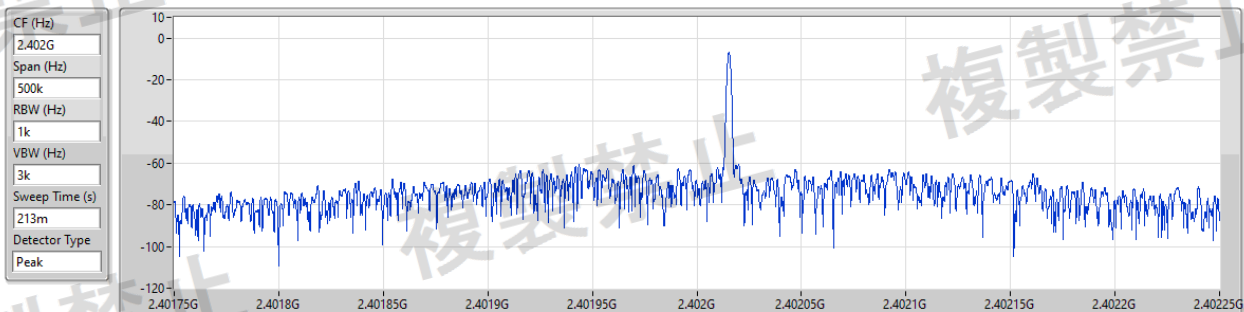


2.4-2.4835GHz_BT-BR(1Mbps)

Freq. Stability-FS

2402MHz_TnomVmin

30/12/2025





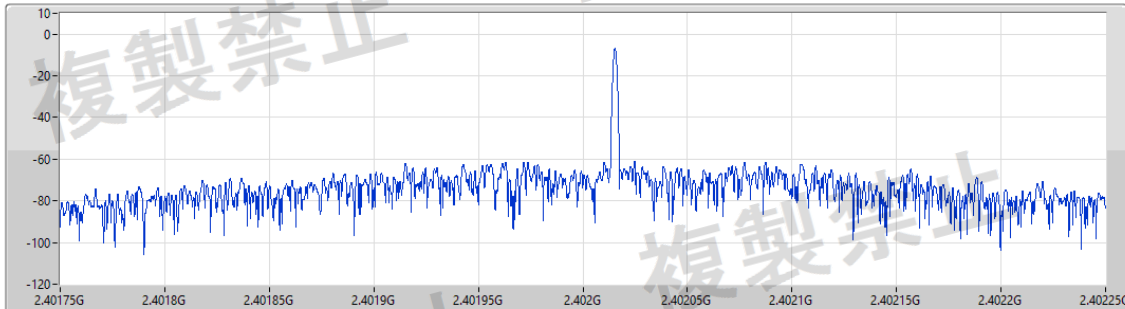
2.4-2.4835GHz_BT-BR(1Mbps)

Freq. Stability-FS

2402MHz_TnomVmax

30/12/2025

CF (Hz)
2.402G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F1(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.402G	2.402015348G	-	-	6.3897	±50	1	-

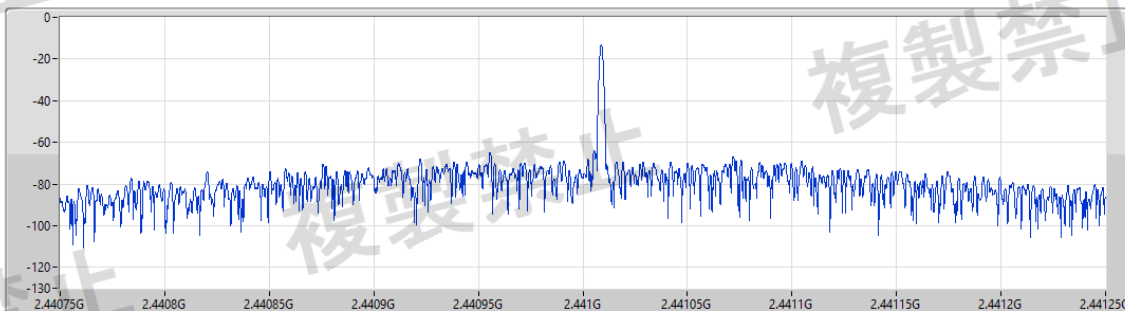
2.4-2.4835GHz_BT-BR(1Mbps)

Freq. Stability-FS

2441MHz_TnomVnom

30/12/2025

CF (Hz)
2.441G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F1(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.441G	2.441008801G	-	-	3.6055	±50	1	-



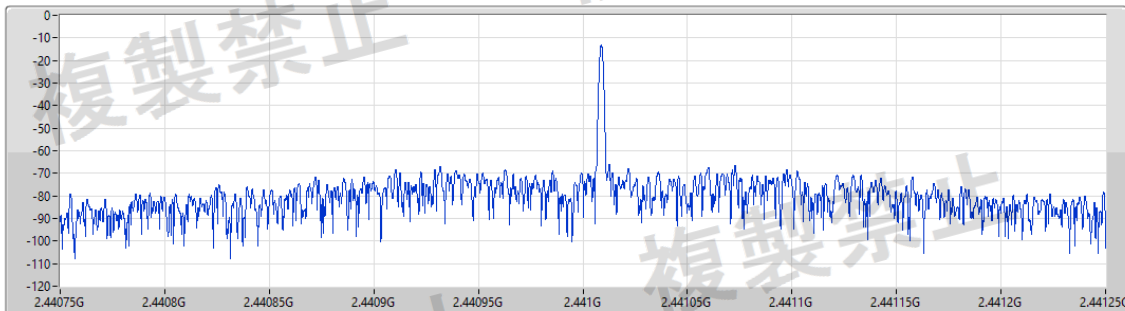
2.4-2.4835GHz_BT-BR(1Mbps)

Freq. Stability-FS

2441MHz_TnomVmin

30/12/2025

CF (Hz)
2.441G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.441G	2.44100881G	-	-	3.6092	±50	1	-

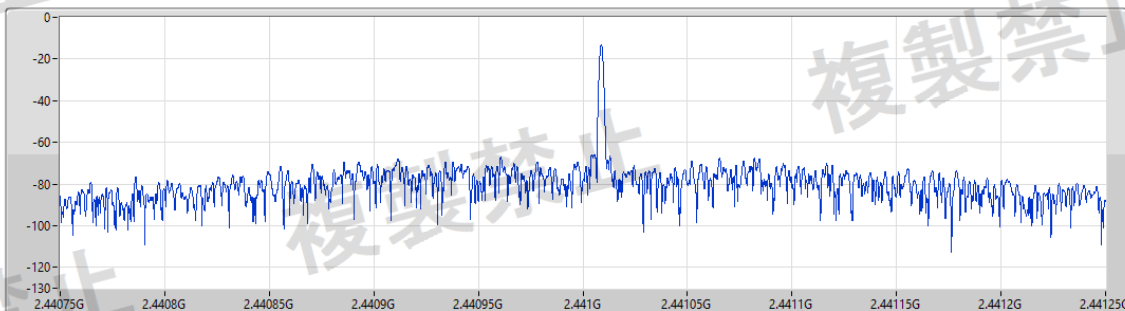
2.4-2.4835GHz_BT-BR(1Mbps)

Freq. Stability-FS

2441MHz_TnomVmax

30/12/2025

CF (Hz)
2.441G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.441G	2.44100881G	-	-	3.6092	±50	1	-

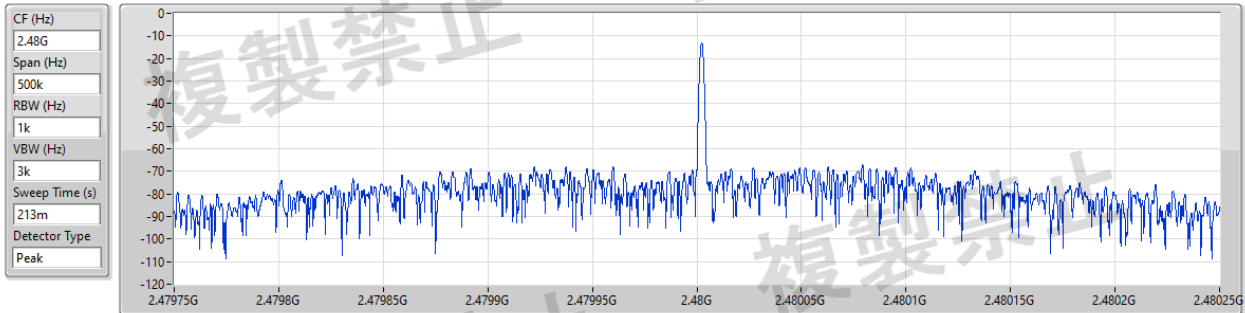


2.4-2.4835GHz_BT-BR(1Mbps)

Freq. Stability-FS

2480MHz_TnomVnom

30/12/2025

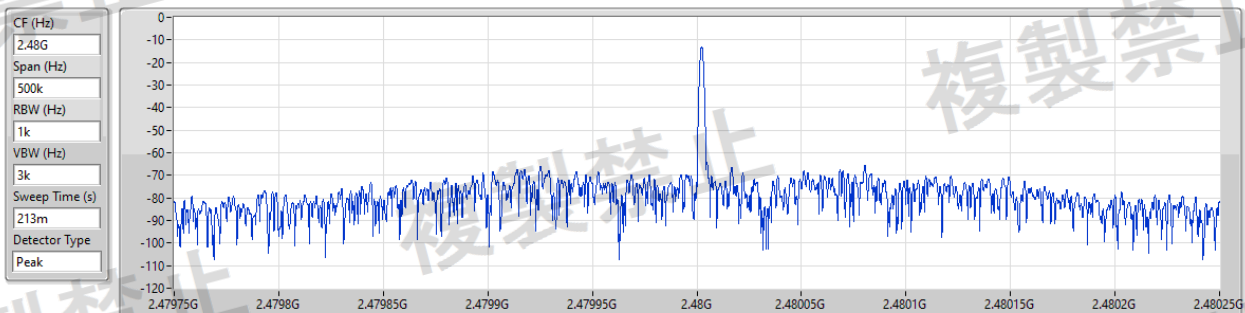


2.4-2.4835GHz_BT-BR(1Mbps)

Freq. Stability-FS

2480MHz_TnomVmin

30/12/2025





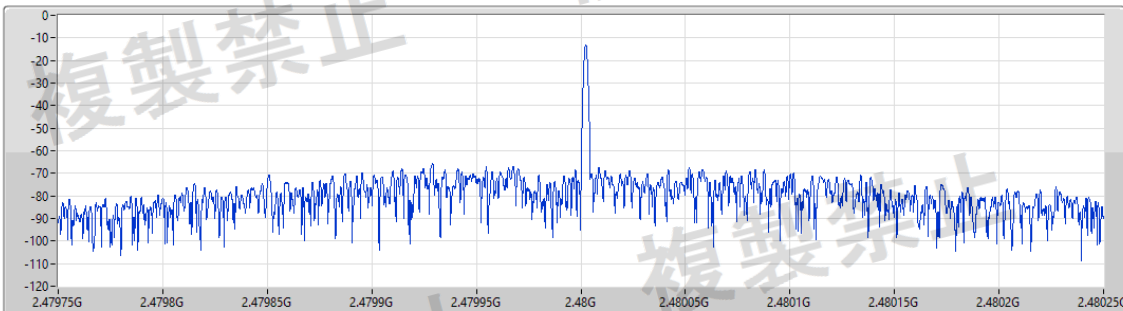
2.4-2.4835GHz_BT-BR(1Mbps)

Freq. Stability-FS

2480MHz_TnomVmax

30/12/2025

CF (Hz)
2.48G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.48G	2.480002327G	-	-	0.9383	±50	1	-

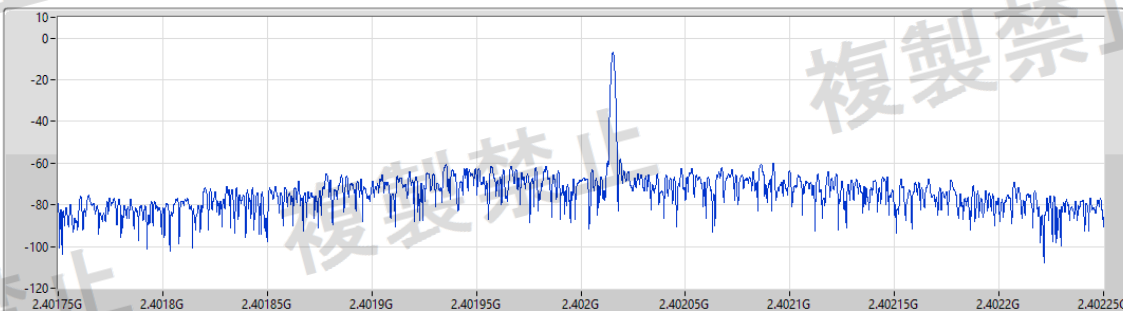
2.4-2.4835GHz_BT-EDR(3Mbps)

Freq. Stability-FS

2402MHz_TnomVnom

30/12/2025

CF (Hz)
2.402G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.402G	2.402015311G	-	-	6.3743	±50	1	-



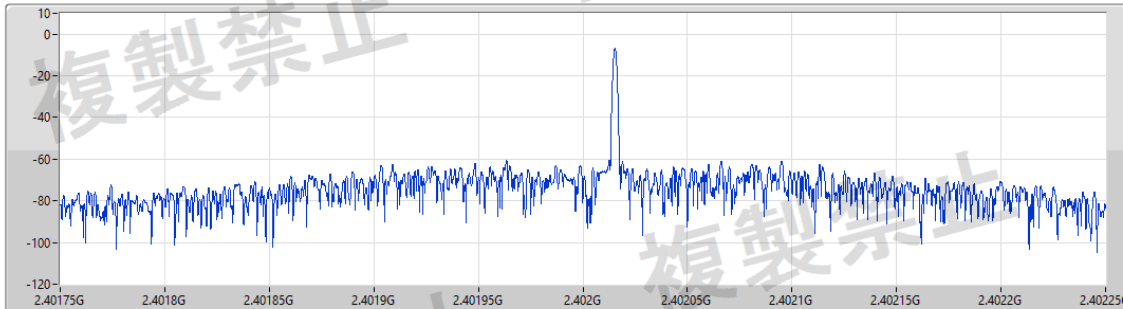
2.4-2.4835GHz_BT-EDR(3Mbps)

Freq. Stability-FS

2402MHz_TnomVmin

30/12/2025

CF (Hz)
2.402G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.402G	2.402015306G	-	-	6.3722	±50	1	-

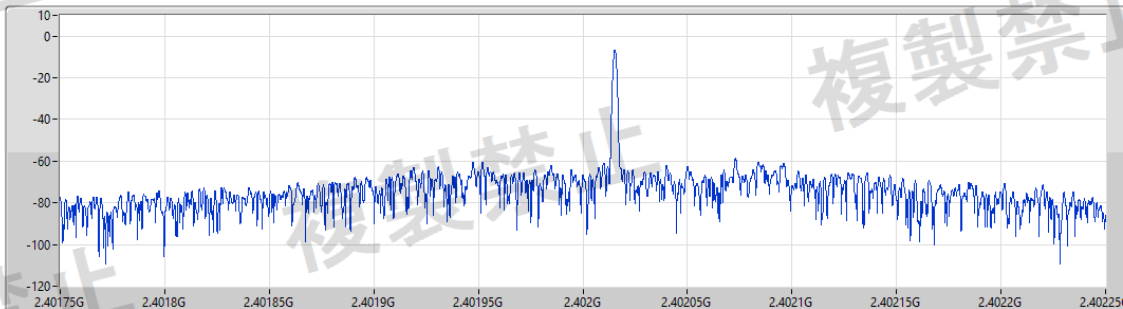
2.4-2.4835GHz_BT-EDR(3Mbps)

Freq. Stability-FS

2402MHz_TnomVmax

30/12/2025

CF (Hz)
2.402G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.402G	2.402015291G	-	-	6.3659	±50	1	-



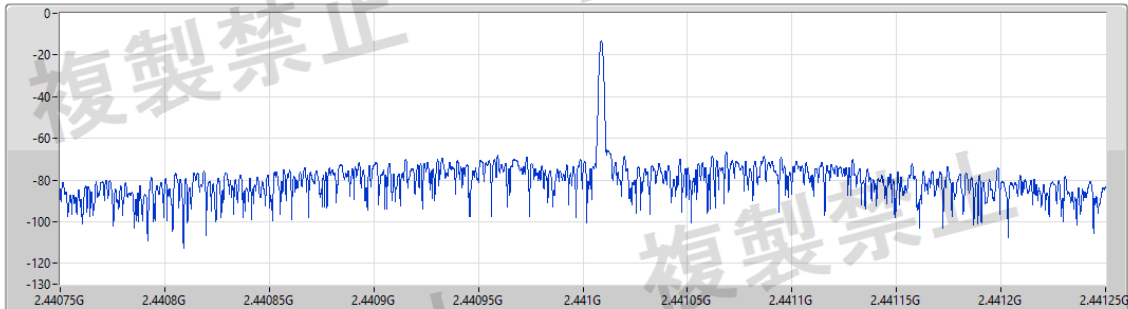
2.4-2.4835GHz_BT-EDR(3Mbps)

Freq. Stability-FS

2441MHz_TnomVnom

30/12/2025

CF (Hz)
2.441G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.441G	2.441008808G	-	-	3.6084	±50	1	-

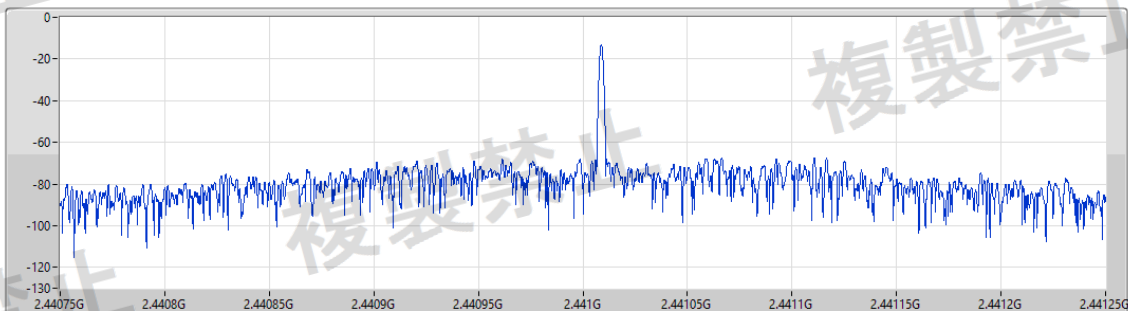
2.4-2.4835GHz_BT-EDR(3Mbps)

Freq. Stability-FS

2441MHz_TnomVmin

30/12/2025

CF (Hz)
2.441G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.441G	2.441008807G	-	-	3.6079	±50	1	-



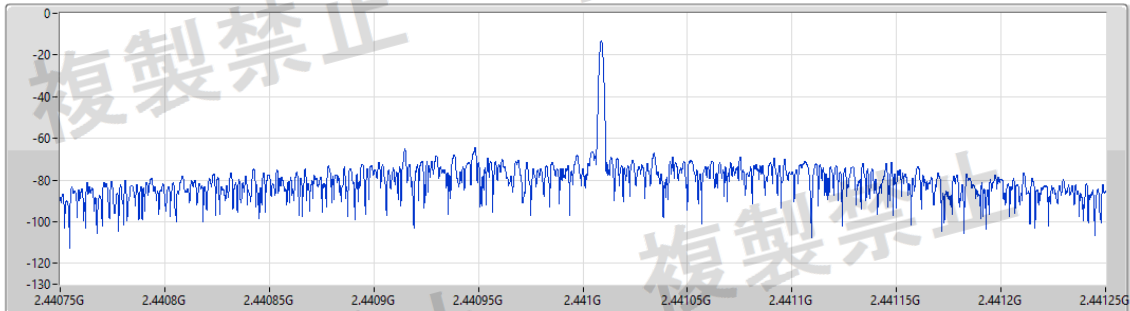
2.4-2.4835GHz_BT-EDR(3Mbps)

Freq. Stability-FS

2441MHz_TnomVmax

30/12/2025

CF (Hz)
2.441G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.441G	2.441008808G	-	-	3.6084	±50	1	-

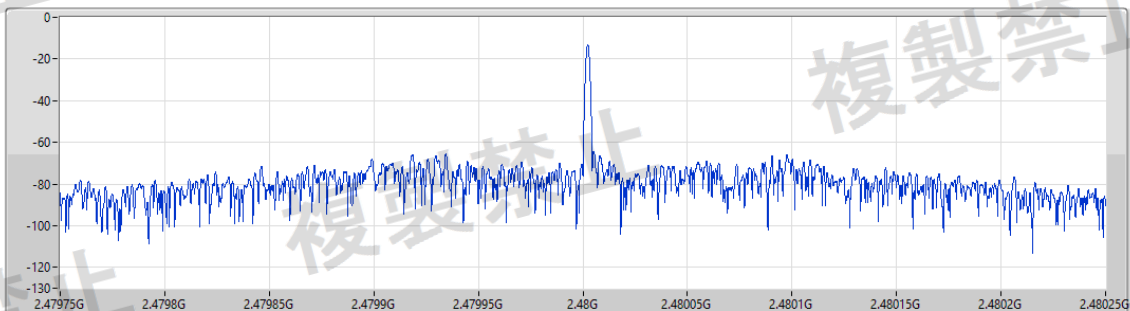
2.4-2.4835GHz_BT-EDR(3Mbps)

Freq. Stability-FS

2480MHz_TnomVnom

30/12/2025

CF (Hz)
2.48G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.48G	2.48000232G	-	-	0.9355	±50	1	-



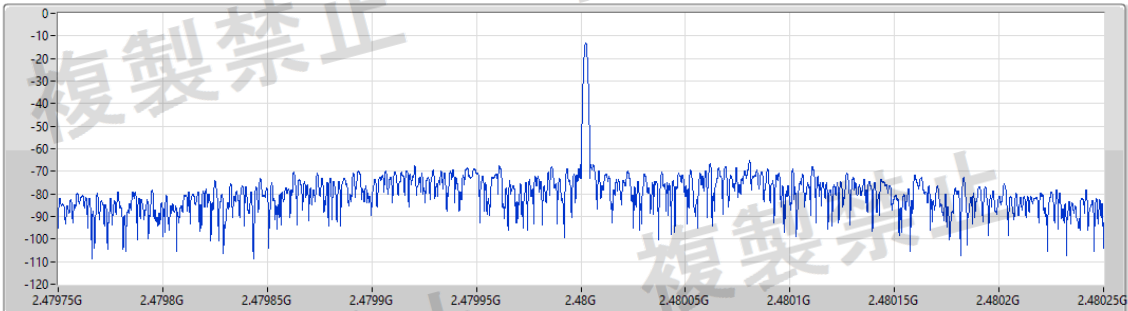
2.4-2.4835GHz_BT-EDR(3Mbps)

Freq. Stability-FS

2480MHz_TnomVmin

30/12/2025

CF (Hz)
2.48G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.48G	2.480002313G	-	-	0.9327	±50	1	-

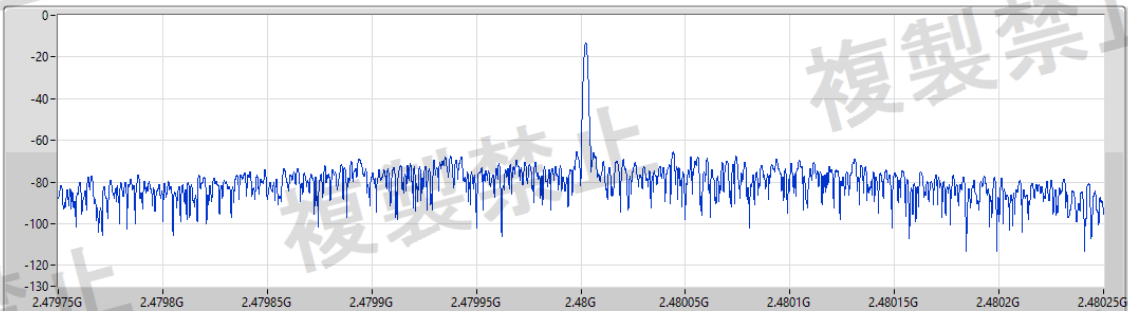
2.4-2.4835GHz_BT-EDR(3Mbps)

Freq. Stability-FS

2480MHz_TnomVmax

30/12/2025

CF (Hz)
2.48G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
213m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.48G	2.480002323G	-	-	0.9367	±50	1	-

**Summary**

Mode	Max-OBW (Hz)	ITU-Code	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-
BT-BR(1Mbps)	78.723M	78M7F1D	78.709M
BT-BR-AFH(1Mbps)	20.554M	20M6F1D	20.543M
BT-EDR(3Mbps)	78.786M	78M8G1D	78.752M
BT-EDR-AFH(3Mbps)	20.754M	20M8G1D	20.749M

Max-OBW = Maximum 99% occupied bandwidth; Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	P1-OBW (Hz)
BT-BR(1Mbps)	-	-	-
Hopping Mode_TnomVnom	Pass	83.5M	78.723M
Hopping Mode_TnomVmin	Pass	83.5M	78.712M
Hopping Mode_TnomVmax	Pass	83.5M	78.709M
BT-EDR(3Mbps)	-	-	-
Hopping Mode_TnomVnom	Pass	83.5M	78.752M
Hopping Mode_TnomVmin	Pass	83.5M	78.775M
Hopping Mode_TnomVmax	Pass	83.5M	78.786M
BT-BR-AFH(1Mbps)	-	-	-
Hopping Mode_TnomVnom	Pass	83.5M	20.554M
Hopping Mode_TnomVmin	Pass	83.5M	20.547M
Hopping Mode_TnomVmax	Pass	83.5M	20.543M
BT-EDR-AFH(3Mbps)	-	-	-
Hopping Mode_TnomVnom	Pass	83.5M	20.754M
Hopping Mode_TnomVmin	Pass	83.5M	20.749M
Hopping Mode_TnomVmax	Pass	83.5M	20.753M

P1-OBW = Port 1 99% occupied bandwidth; P2-OBW = Port 2 99% occupied bandwidth; Pn-OBW = Port n 99% occupied bandwidth

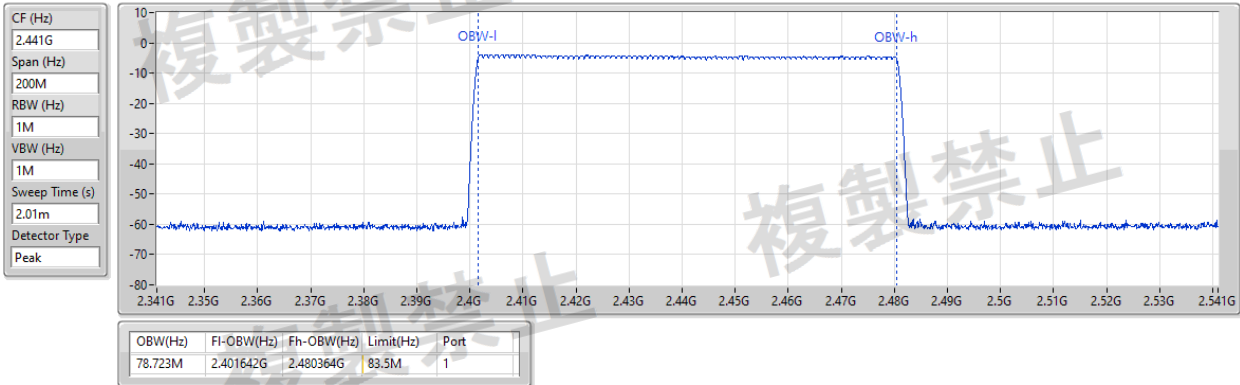


2.4-2.4835GHz_BT-BR(1Mbps)

OBW-FS

Hopping Mode_TnomVnom

30/12/2025

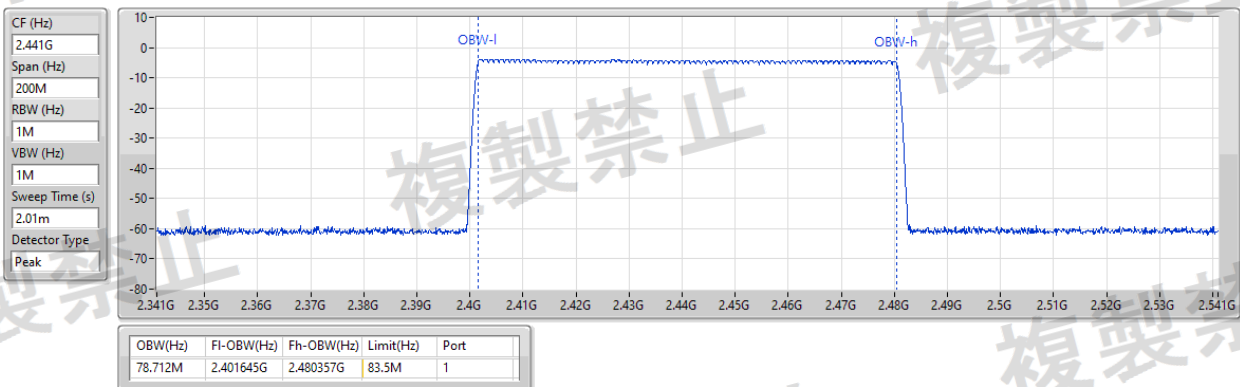


2.4-2.4835GHz_BT-BR(1Mbps)

OBW-FS

Hopping Mode_TnomVmin

30/12/2025

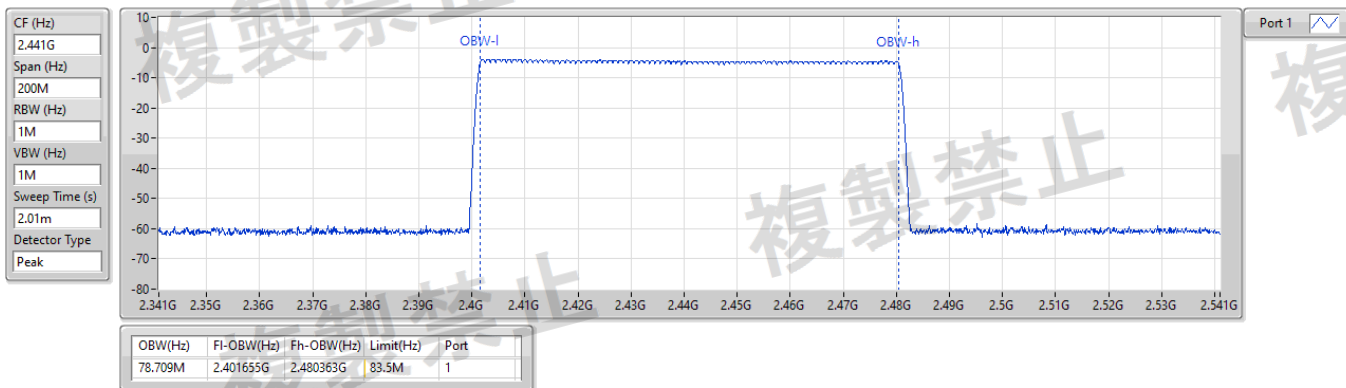




2.4-2.4835GHz_BT-BR(1Mbps)

OBW-FS

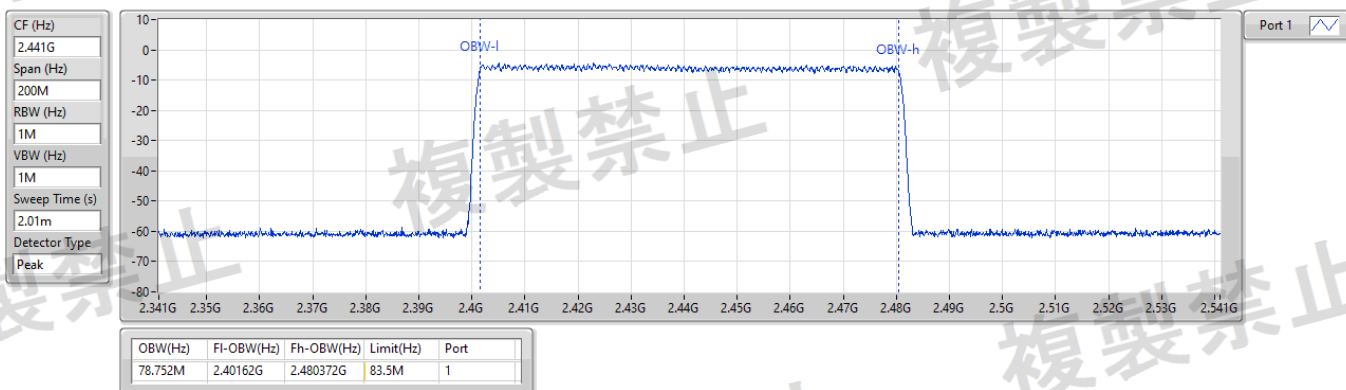
Hopping Mode_TnomVmax



2.4-2.4835GHz_BT-EDR(3Mbps)

OBW-FS

Hopping Mode_TnomVnom



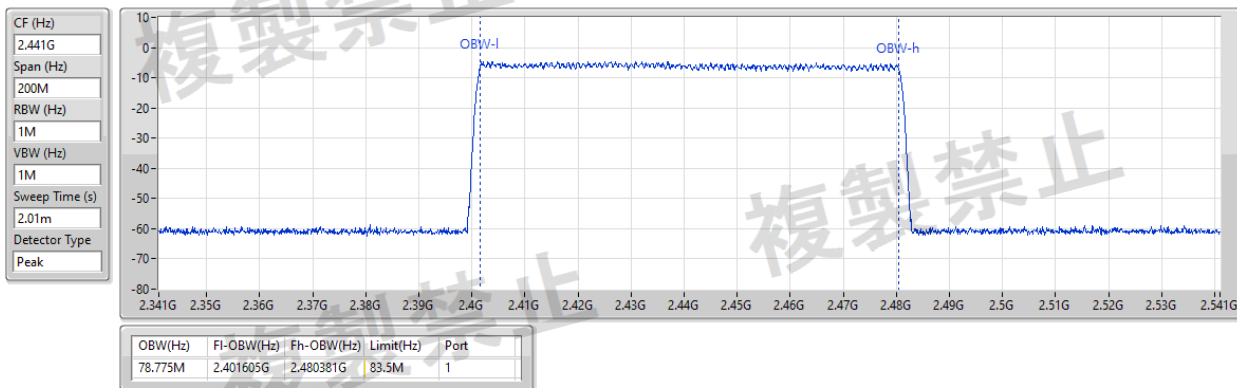


2.4-2.4835GHz_BT-EDR(3Mbps)

OBW-FS

Hopping Mode_TnomVmin

30/12/2025

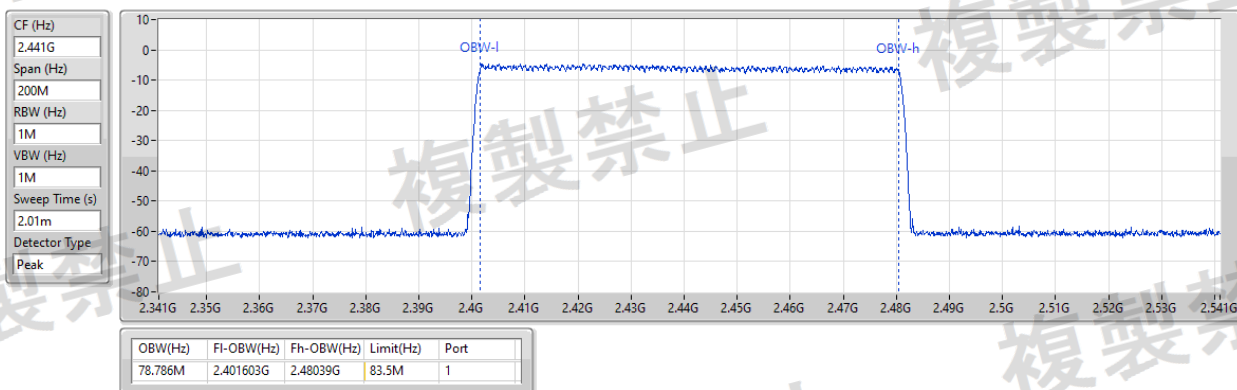


2.4-2.4835GHz_BT-EDR(3Mbps)

OBW-FS

Hopping Mode_TnomVmax

30/12/2025



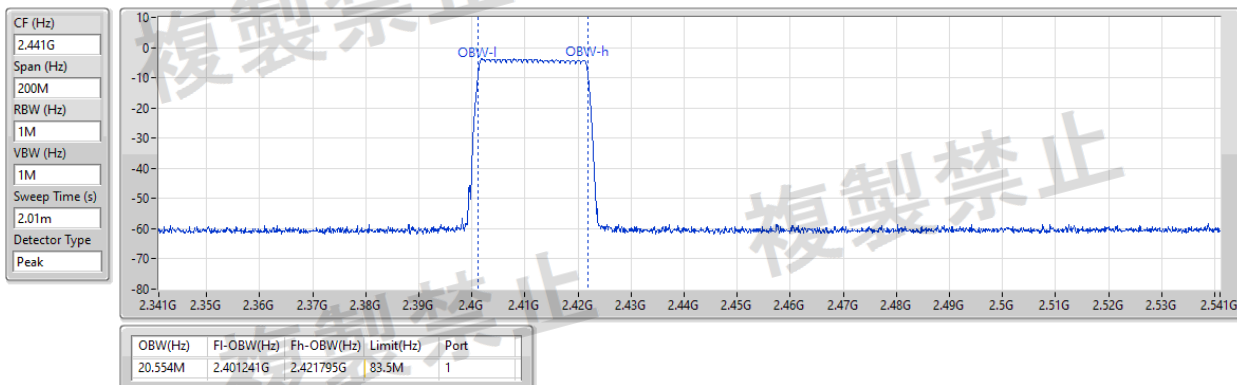


2.4-2.4835GHz_BT-BR-AFH(1Mbps)

OBW-FS

Hopping Mode_TnomVnom

30/12/2025

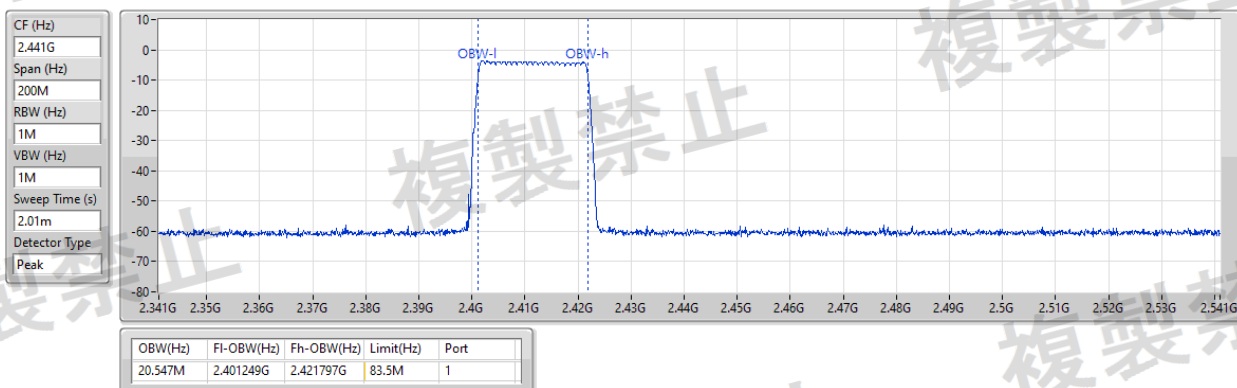


2.4-2.4835GHz_BT-BR-AFH(1Mbps)

OBW-FS

Hopping Mode_TnomVmin

30/12/2025



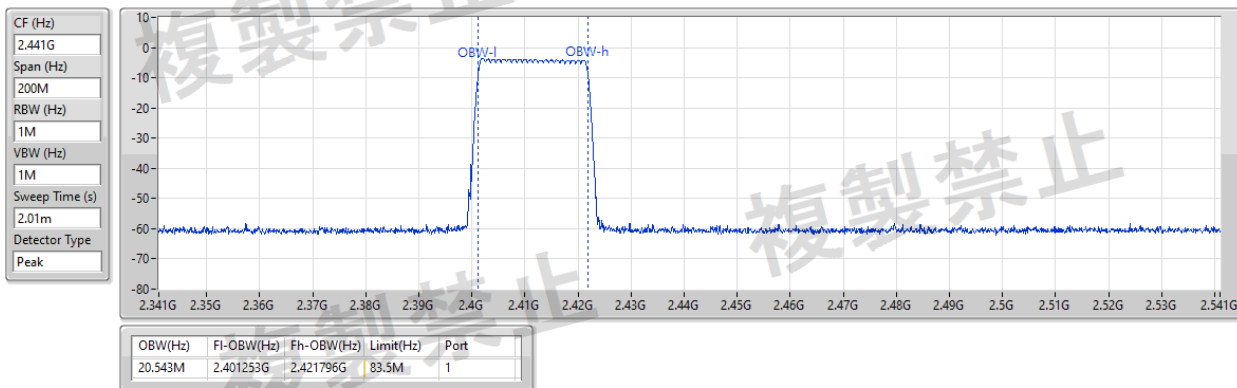


2.4-2.4835GHz_BT-BR-AFH(1Mbps)

OBW-FS

Hopping Mode_TnomVmax

30/12/2025

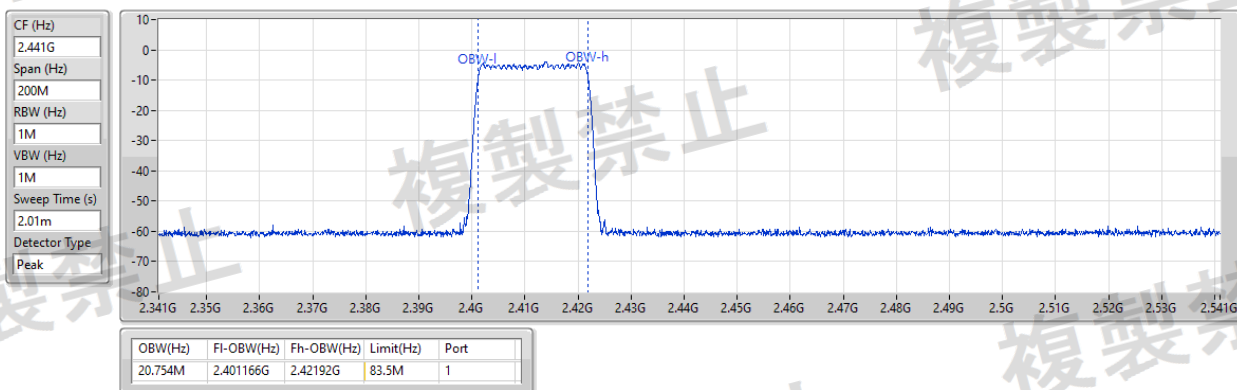


2.4-2.4835GHz_BT-EDR-AFH(3Mbps)

OBW-FS

Hopping Mode_TnomVnom

30/12/2025



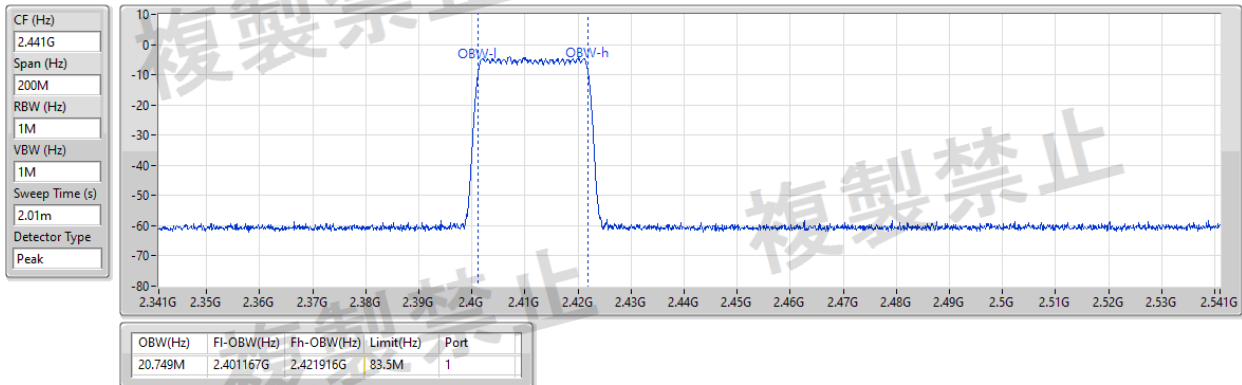


2.4-2.4835GHz_BT-EDR-AFH(3Mbps)

OBW-FS

Hopping Mode_TnomVmin

30/12/2025

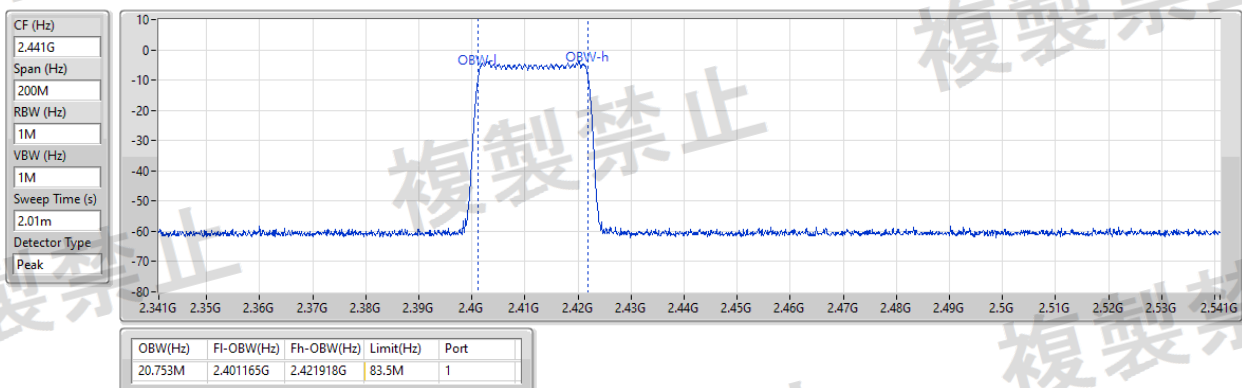


2.4-2.4835GHz_BT-EDR-AFH(3Mbps)

OBW-FS

Hopping Mode_TnomVmax

30/12/2025





Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.387G	2.4G	1M	2.4G	-33.51	0.44566	-16.02	25
BT-EDR(3Mbps)	Pass	2.387G	2.4G	1M	2.4G	-28.71	1.34586	-16.02	25

Result

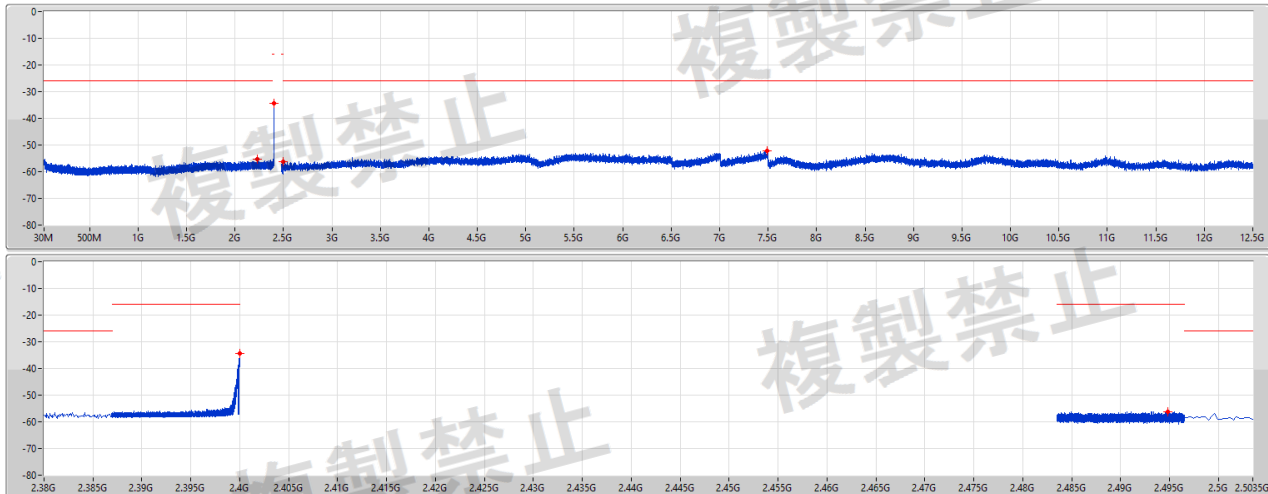
Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	30M	2.387G	1M	2.22857G	-55.34	0.00292	-26.02	2.5
Hopping Mode_TnomVnom	Pass	2.387G	2.4G	1M	2.39999G	-34.50	0.35481	-16.02	25
Hopping Mode_TnomVnom	Pass	2.4835G	2.4965G	1M	2.49482G	-56.11	0.00245	-16.02	25
Hopping Mode_TnomVnom	Pass	2.4965G	12.5G	1M	7.49012G	-52.25	0.00596	-26.02	2.5
Hopping Mode_TnomVmin	Pass	30M	2.387G	1M	34.27M	-55.32	0.00294	-26.02	2.5
Hopping Mode_TnomVmin	Pass	2.387G	2.4G	1M	2.39998G	-33.86	0.41115	-16.02	25
Hopping Mode_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48428G	-55.57	0.00277	-16.02	25
Hopping Mode_TnomVmin	Pass	2.4965G	12.5G	1M	7.49012G	-52.57	0.00553	-26.02	2.5
Hopping Mode_TnomVmax	Pass	30M	2.387G	1M	33.39M	-55.18	0.00303	-26.02	2.5
Hopping Mode_TnomVmax	Pass	2.387G	2.4G	1M	2.4G	-33.51	0.44566	-16.02	25
Hopping Mode_TnomVmax	Pass	2.4835G	2.4965G	1M	2.48393G	-55.61	0.00275	-16.02	25
Hopping Mode_TnomVmax	Pass	2.4965G	12.5G	1M	7.47887G	-52.46	0.00568	-26.02	2.5
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	30M	2.387G	1M	35.08M	-54.74	0.00336	-26.02	2.5
Hopping Mode_TnomVnom	Pass	2.387G	2.4G	1M	2.4G	-29.05	1.24451	-16.02	25
Hopping Mode_TnomVnom	Pass	2.4835G	2.4965G	1M	2.49288G	-55.92	0.00256	-16.02	25
Hopping Mode_TnomVnom	Pass	2.4965G	12.5G	1M	7.41572G	-52.56	0.00555	-26.02	2.5
Hopping Mode_TnomVmin	Pass	30M	2.387G	1M	35.6M	-55.16	0.00305	-26.02	2.5
Hopping Mode_TnomVmin	Pass	2.387G	2.4G	1M	2.4G	-28.71	1.34586	-16.02	25
Hopping Mode_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48431G	-56.05	0.00248	-16.02	25
Hopping Mode_TnomVmin	Pass	2.4965G	12.5G	1M	7.4895G	-52.31	0.00587	-26.02	2.5
Hopping Mode_TnomVmax	Pass	30M	2.387G	1M	34.05M	-55.25	0.00299	-26.02	2.5
Hopping Mode_TnomVmax	Pass	2.387G	2.4G	1M	2.4G	-29.01	1.25603	-16.02	25
Hopping Mode_TnomVmax	Pass	2.4835G	2.4965G	1M	2.49514G	-55.89	0.00258	-16.02	25
Hopping Mode_TnomVmax	Pass	2.4965G	12.5G	1M	7.47731G	-51.88	0.00649	-26.02	2.5



2.4-2.4835GHz_BT-BR(1Mbps)

CSE-TX-FS

Hopping Mode_TnomVnom

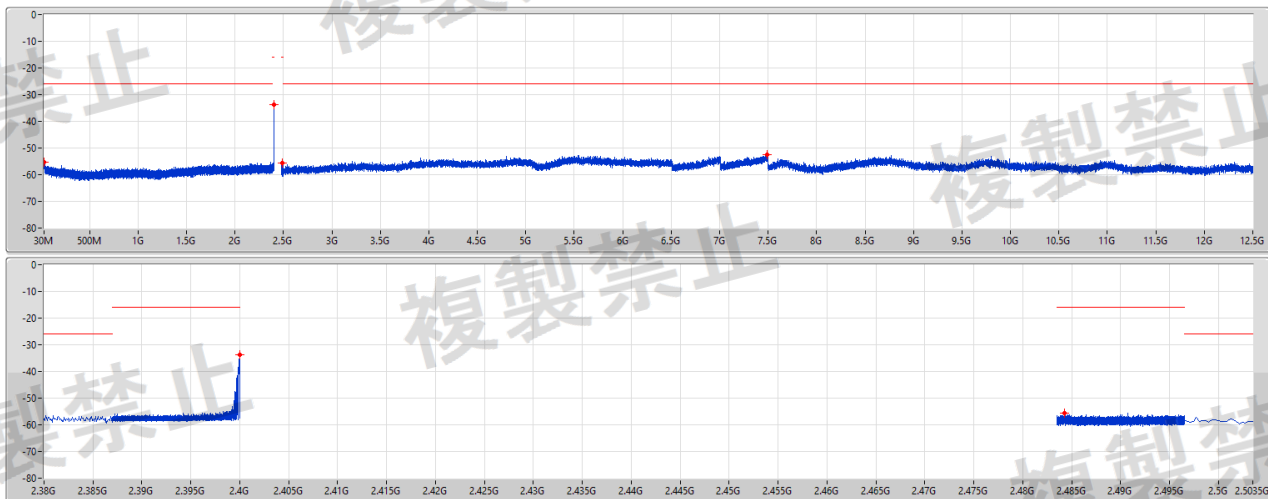


F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.22857G	-55.34	-26.02	-29.32	-55.34
2.387G	2.4G	2.39999G	-34.50	-16.02	-18.48	-34.50
2.4835G	2.4965G	2.49402G	-56.11	-16.02	-40.09	-56.11
2.4965G	12.5G	7.49012G	-52.25	-26.02	-26.23	-52.25

2.4-2.4835GHz_BT-BR(1Mbps)

CSE-TX-FS

Hopping Mode_TnomVmin



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	34.27M	-55.32	-26.02	-29.30	-55.32
2.387G	2.4G	2.39998G	-33.86	-16.02	-17.84	-33.86
2.4835G	2.4965G	2.48428G	-55.57	-16.02	-39.55	-55.57
2.4965G	12.5G	7.49012G	-52.57	-26.02	-26.55	-52.57

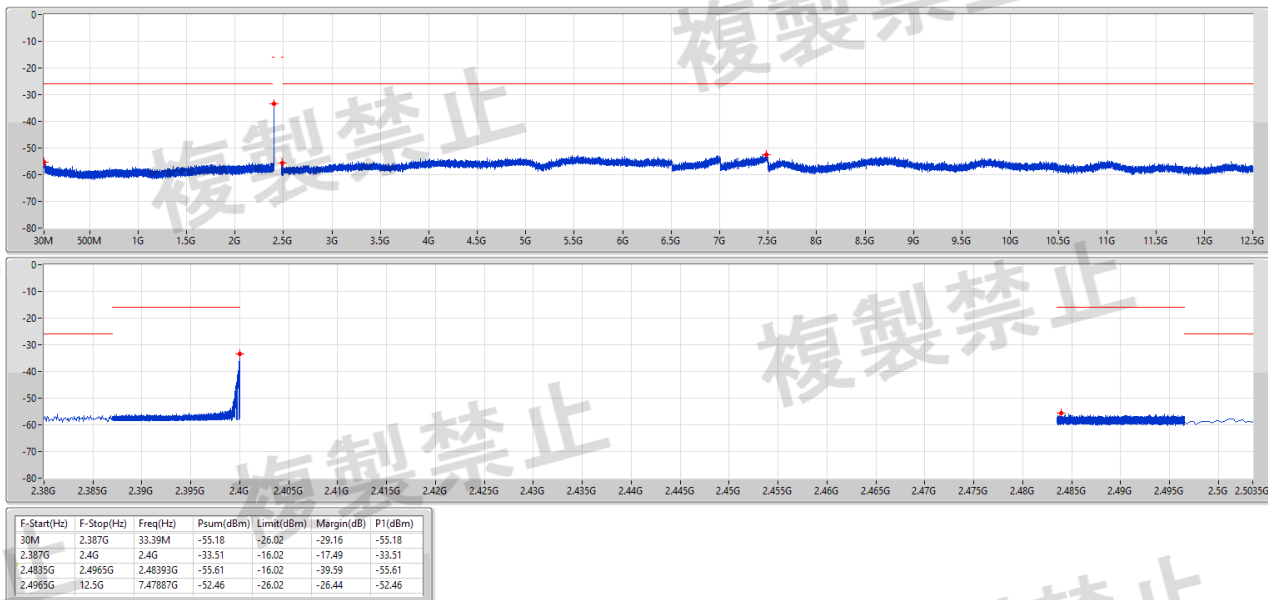


2.4-2.4835GHz_BT-BR(1Mbps)

CSE-TX-FS

Hopping Mode_TnomVmax

30/12/2025

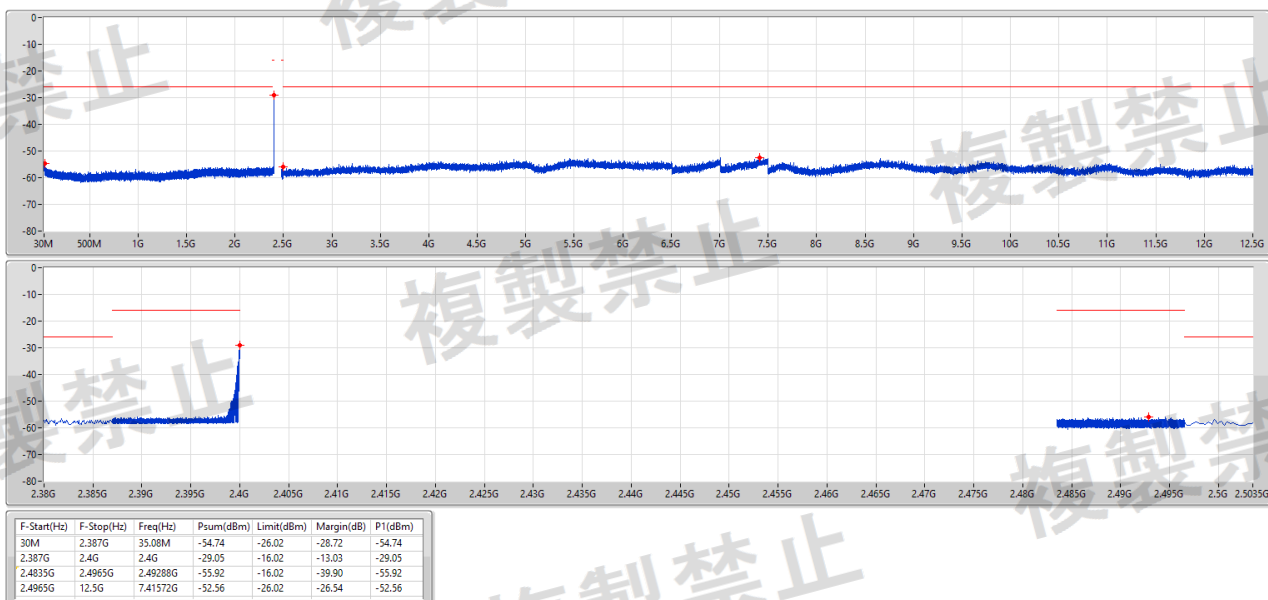


2.4-2.4835GHz_BT-EDR(3Mbps)

CSE-TX-FS

Hopping Mode_TnomVnom

30/12/2025



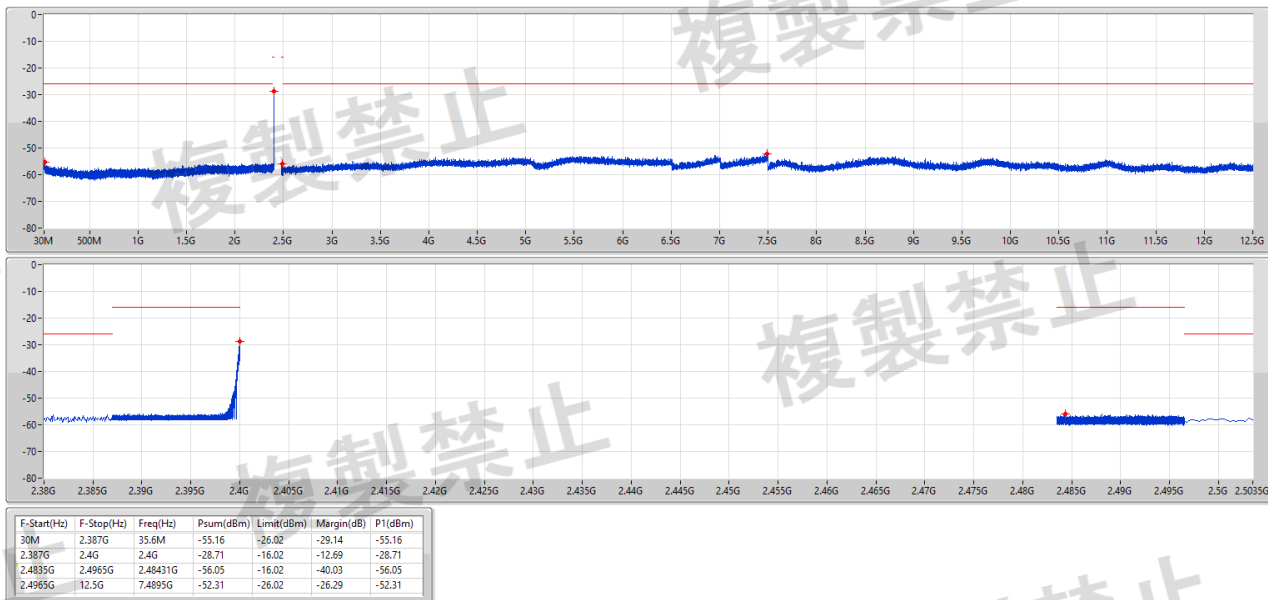


2.4-2.4835GHz_BT-EDR(3Mbps)

CSE-TX-FS

Hopping Mode_TnomVmin

30/12/2025

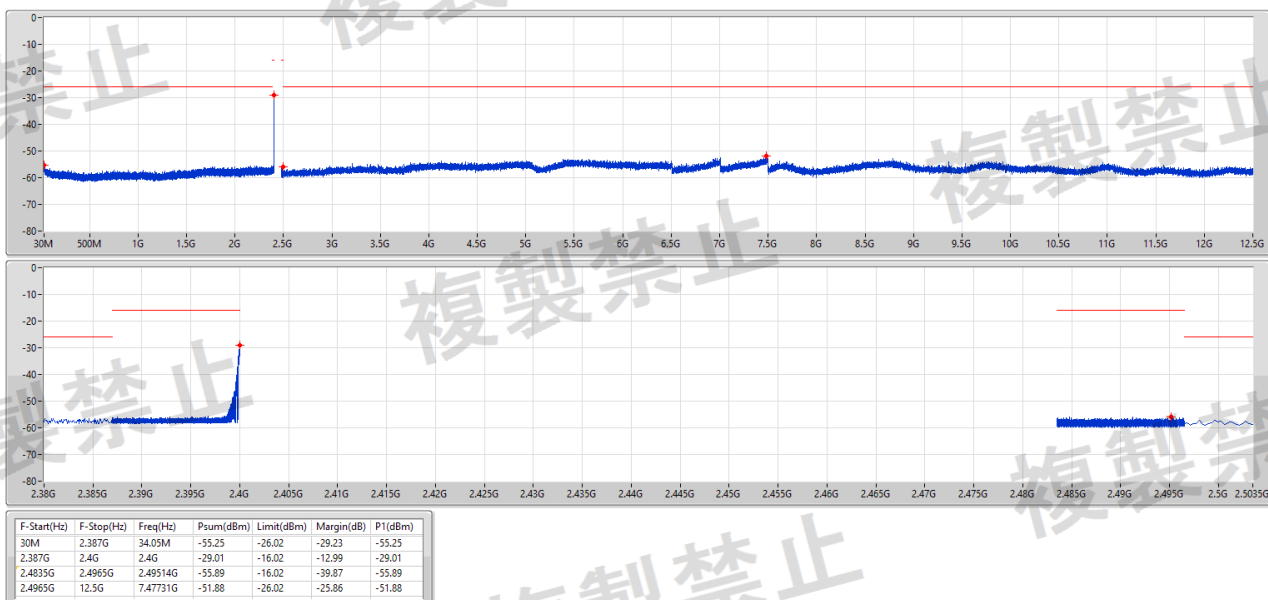


2.4-2.4835GHz_BT-EDR(3Mbps)

CSE-TX-FS

Hopping Mode_TnomVmax

30/12/2025





Summary

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	279.267m
BT-BR-AFH(1Mbps)	142.576m
BT-EDR(3Mbps)	279.855m
BT-EDR-AFH(3Mbps)	144.181m

Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	28.705	279.267m	400m	2.882m
Hopping Mode_TnomVmin	Pass	28.693	279.15m	400m	2.882m
Hopping Mode_TnomVmax	Pass	28.699	279.184m	400m	2.881m
BT-EDR(3Mbps)	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	28.716	279.804m	400m	2.886m
Hopping Mode_TnomVmin	Pass	28.596	278.691m	400m	2.887m
Hopping Mode_TnomVmax	Pass	28.721	279.855m	400m	2.886m
BT-BR-AFH(1Mbps)	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	7.422	142.576m	400m	2.881m
Hopping Mode_TnomVmin	Pass	7.417	142.492m	400m	2.881m
Hopping Mode_TnomVmax	Pass	7.421	142.573m	400m	2.882m
BT-EDR-AFH(3Mbps)	-	-	-	-	-
Hopping Mode_TnomVnom	Pass	7.493	144.181m	400m	2.886m
Hopping Mode_TnomVmin	Pass	7.482	143.973m	400m	2.886m
Hopping Mode_TnomVmax	Pass	7.491	144.143m	400m	2.886m

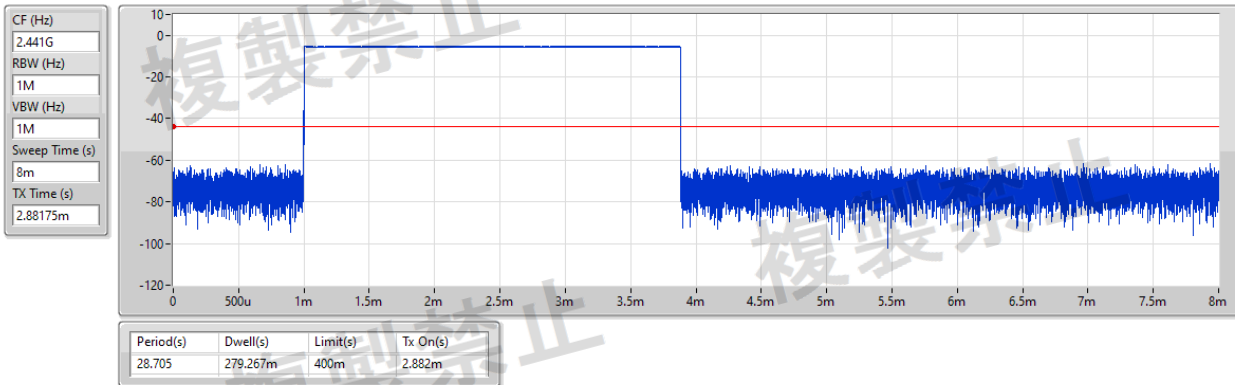


2.4-2.4835GHz_BT-BR(1Mbps)

Dwell-FS

Hopping Mode_TnomVnom

30/12/2025

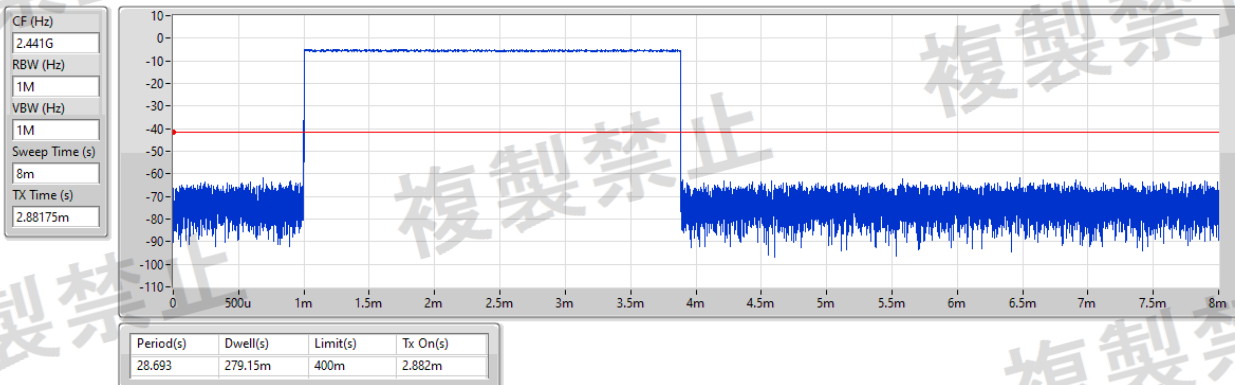


2.4-2.4835GHz_BT-BR(1Mbps)

Dwell-FS

Hopping Mode_TnomVmin

30/12/2025

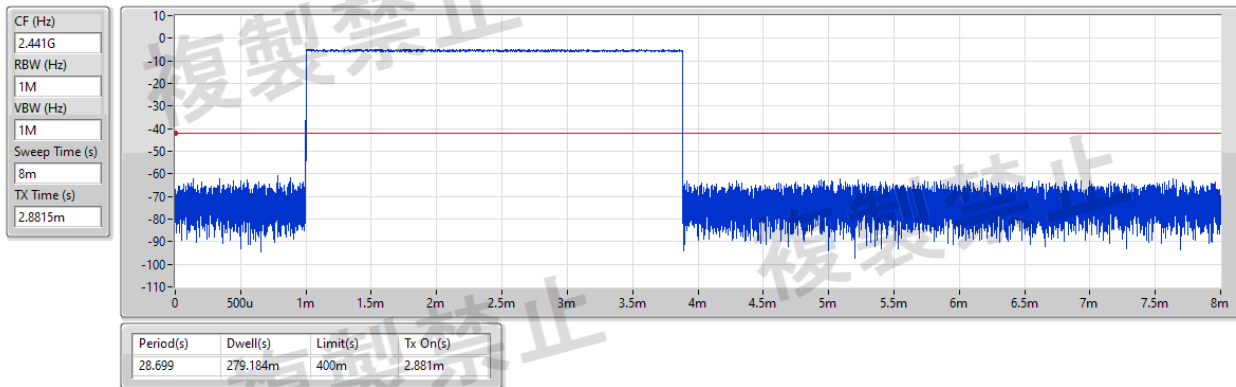


2.4-2.4835GHz_BT-BR(1Mbps)

Dwell-FS

Hopping Mode_TnomVmax

30/12/2025

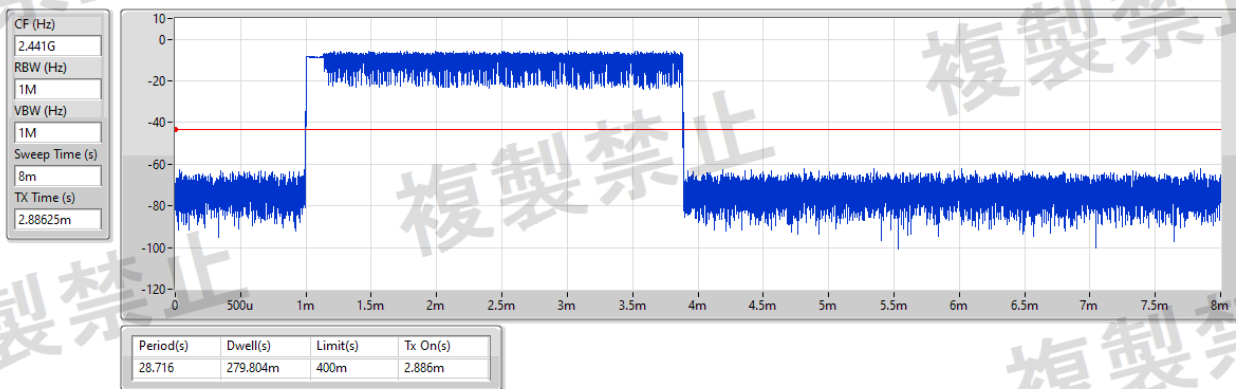


2.4-2.4835GHz_BT-EDR(3Mbps)

Dwell-FS

Hopping Mode_TnomVnom

30/12/2025

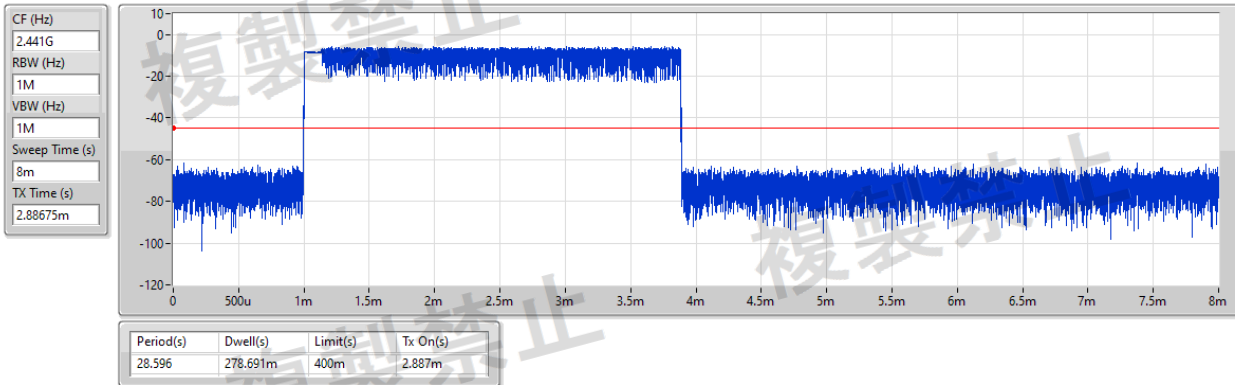


2.4-2.4835GHz_BT-EDR(3Mbps)

Dwell-FS

Hopping Mode_TnomVmin

30/12/2025

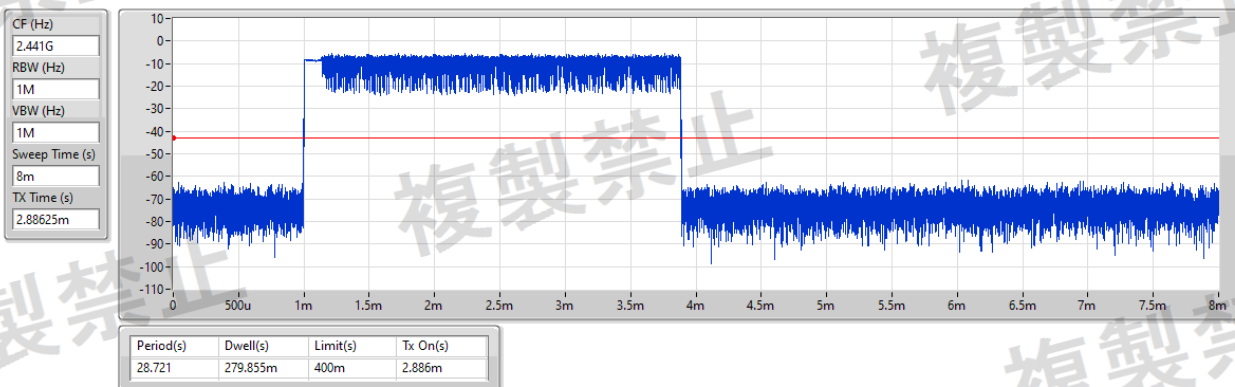


2.4-2.4835GHz_BT-EDR(3Mbps)

Dwell-FS

Hopping Mode_TnomVmax

30/12/2025



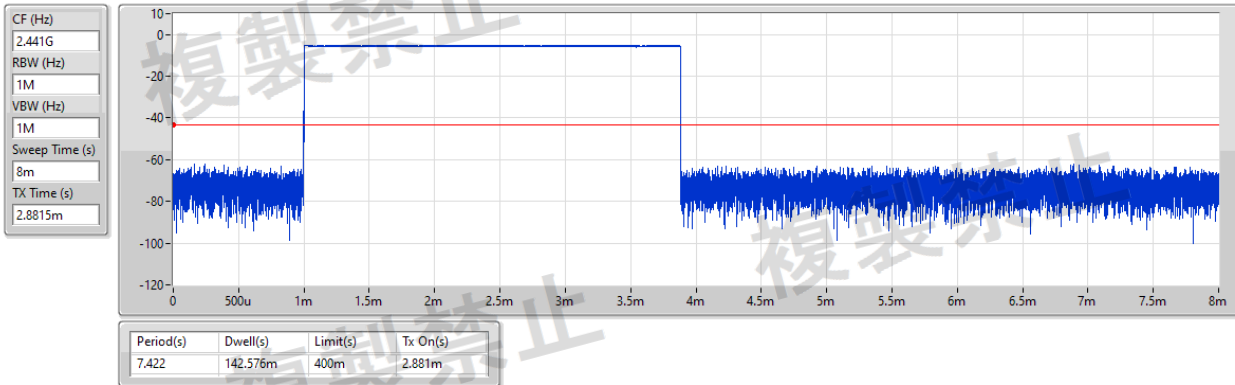


2.4-2.4835GHz_BT-BR-AFH(1Mbps)

Dwell-FS

Hopping Mode_TnomVnom

30/12/2025

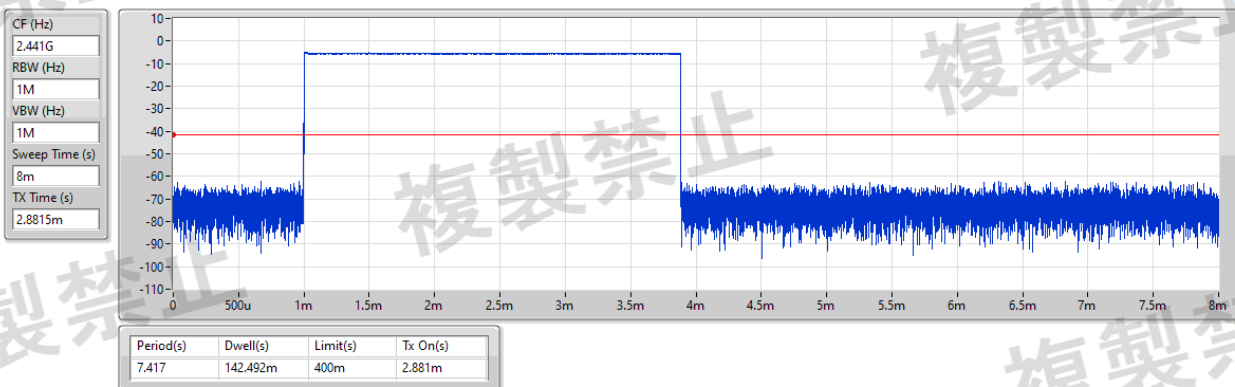


2.4-2.4835GHz_BT-BR-AFH(1Mbps)

Dwell-FS

Hopping Mode_TnomVmin

30/12/2025

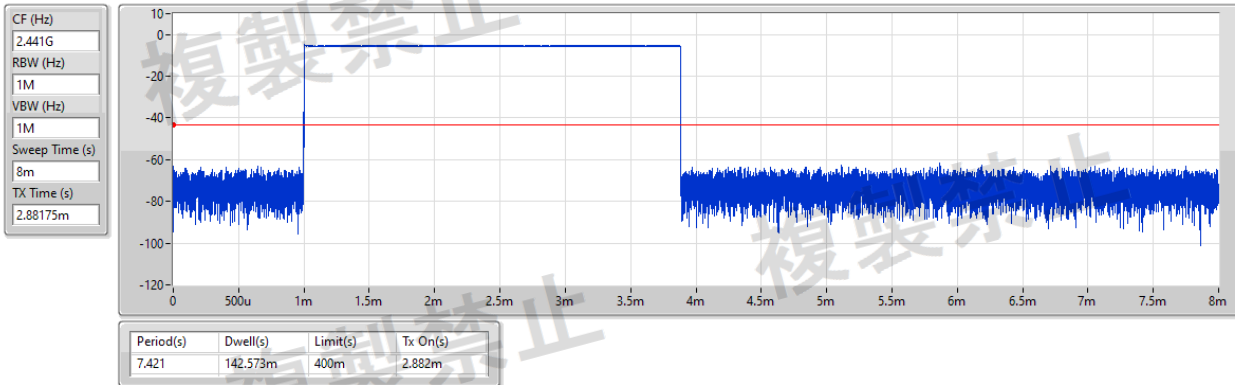


2.4-2.4835GHz_BT-BR-AFH(1Mbps)

Dwell-FS

Hopping Mode_TnomVmax

30/12/2025

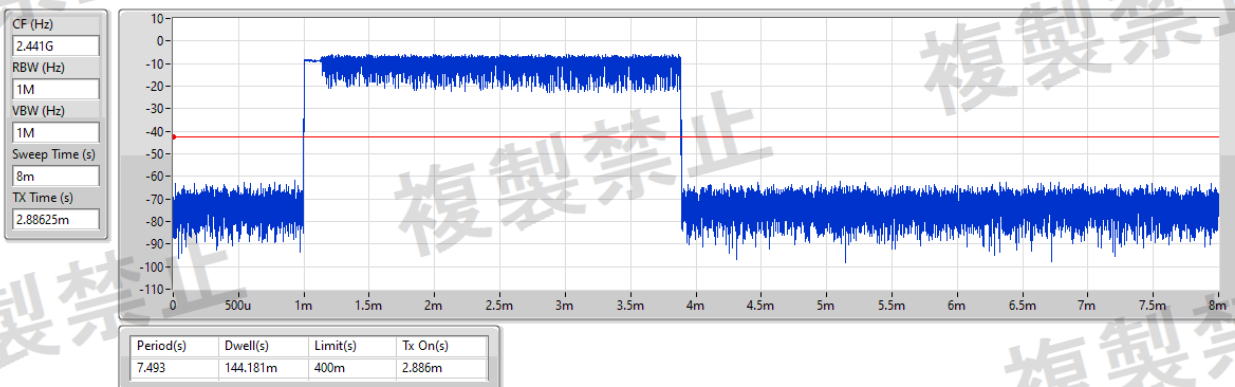


2.4-2.4835GHz_BT-EDR-AFH(3Mbps)

Dwell-FS

Hopping Mode_TnomVnom

30/12/2025

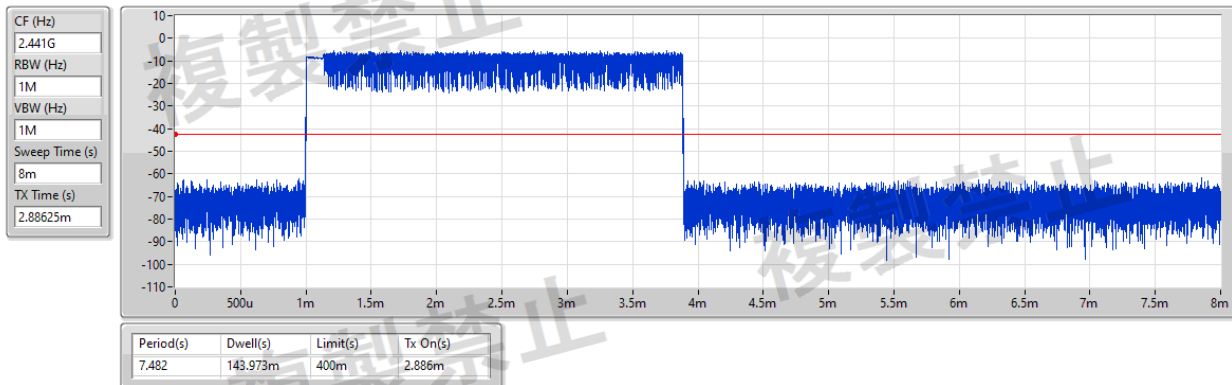


2.4-2.4835GHz_BT-EDR-AFH(3Mbps)

Dwell-FS

Hopping Mode_TnomVmin

30/12/2025

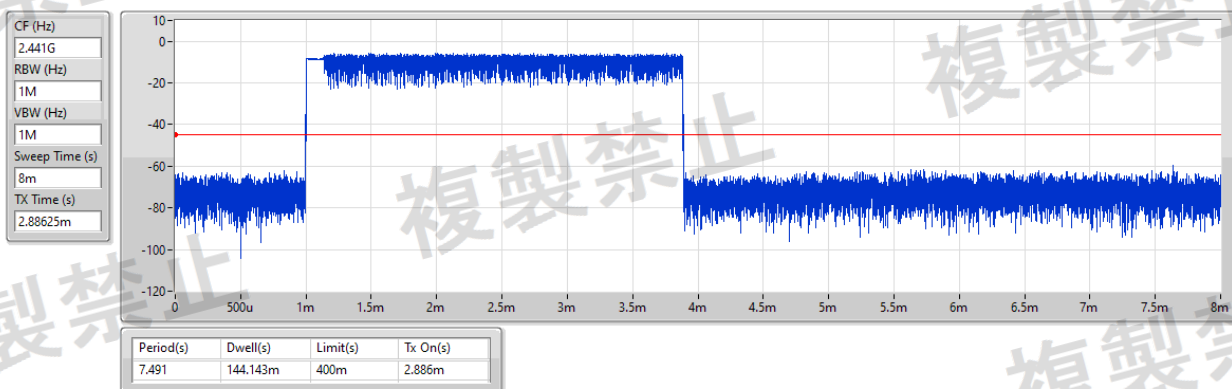


2.4-2.4835GHz_BT-EDR-AFH(3Mbps)

Dwell-FS

Hopping Mode_TnomVmax

30/12/2025





Summary

Mode	Result	MAC (ID Length)	ID Limit	Function
2.4-2.4835GHz	-	-	-	-
BT-BR(1Mbps)	Pass	55:50:0A:1A:76:93	48 bits	Good
BT-BR-AFH(1Mbps)	Pass	55:50:0A:1A:76:93	48 bits	Good
BT-EDR(3Mbps)	Pass	55:50:0A:1A:76:93	48 bits	Good
BT-EDR-AFH(3Mbps)	Pass	55:50:0A:1A:76:93	48 bits	Good

Result

Mode	Result	MAC (ID Length)	ID Limit	Function
BT-BR(1Mbps)	-	-	-	-
Hopping Mode_TnomVnom	Pass	55:50:0A:1A:76:93	48 bits	Good
Hopping Mode_TnomVmin	Pass	55:50:0A:1A:76:93	48 bits	Good
Hopping Mode_TnomVmax	Pass	55:50:0A:1A:76:93	48 bits	Good
BT-EDR(3Mbps)	-	-	-	-
Hopping Mode_TnomVnom	Pass	55:50:0A:1A:76:93	48 bits	Good
Hopping Mode_TnomVmin	Pass	55:50:0A:1A:76:93	48 bits	Good
Hopping Mode_TnomVmax	Pass	55:50:0A:1A:76:93	48 bits	Good
BT-BR-AFH(1Mbps)	-	-	-	-
Hopping Mode_TnomVnom	Pass	55:50:0A:1A:76:93	48 bits	Good
Hopping Mode_TnomVmin	Pass	55:50:0A:1A:76:93	48 bits	Good
Hopping Mode_TnomVmax	Pass	55:50:0A:1A:76:93	48 bits	Good
BT-EDR-AFH(3Mbps)	-	-	-	-
Hopping Mode_TnomVnom	Pass	55:50:0A:1A:76:93	48 bits	Good
Hopping Mode_TnomVmin	Pass	55:50:0A:1A:76:93	48 bits	Good
Hopping Mode_TnomVmax	Pass	55:50:0A:1A:76:93	48 bits	Good



Receiver Spurious Emissions

Appendix G

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW)	Limit (dBm)	Limit (nW)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	1G	12.5G	1M	1.83159G	-76.80	0.02089	-46.99	20
BT-EDR(3Mbps)	Pass	30M	1G	100k	739.25M	-84.36	0.00366	-53.98	4



Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW)	Limit (dBm)	Limit (nW)
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	1G	100k	767.93M	-86.73	0.00212	-53.98	4
2402MHz_TnomVnom	Pass	1G	12.5G	1M	9.75689G	-78.05	0.01567	-46.99	20
2402MHz_TnomVmin	Pass	30M	1G	100k	760.71M	-85.30	0.00295	-53.98	4
2402MHz_TnomVmin	Pass	1G	12.5G	1M	1.83159G	-77.31	0.01858	-46.99	20
2402MHz_TnomVmax	Pass	30M	1G	100k	762.02M	-86.03	0.00249	-53.98	4
2402MHz_TnomVmax	Pass	1G	12.5G	1M	3.3575G	-77.98	0.01592	-46.99	20
2441MHz_TnomVnom	Pass	30M	1G	100k	44.31M	-86.23	0.00238	-53.98	4
2441MHz_TnomVnom	Pass	1G	12.5G	1M	1.83159G	-76.80	0.02089	-46.99	20
2441MHz_TnomVmin	Pass	30M	1G	100k	761.41M	-86.59	0.00219	-53.98	4
2441MHz_TnomVmin	Pass	1G	12.5G	1M	3.40314G	-77.52	0.0177	-46.99	20
2441MHz_TnomVmax	Pass	30M	1G	100k	760.35M	-85.32	0.00294	-53.98	4
2441MHz_TnomVmax	Pass	1G	12.5G	1M	3.41141G	-77.89	0.01626	-46.99	20
2480MHz_TnomVnom	Pass	30M	1G	100k	761.47M	-85.30	0.00295	-53.98	4
2480MHz_TnomVnom	Pass	1G	12.5G	1M	8.78263G	-78.02	0.01578	-46.99	20
2480MHz_TnomVmin	Pass	30M	1G	100k	94.2M	-87.10	0.00195	-53.98	4
2480MHz_TnomVmin	Pass	1G	12.5G	1M	3.35678G	-77.18	0.01914	-46.99	20
2480MHz_TnomVmax	Pass	30M	1G	100k	763.05M	-86.54	0.00222	-53.98	4
2480MHz_TnomVmax	Pass	1G	12.5G	1M	1.83195G	-78.09	0.01552	-46.99	20
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	1G	100k	760.02M	-86.41	0.00229	-53.98	4
2402MHz_TnomVnom	Pass	1G	12.5G	1M	6.98719G	-78.42	0.01439	-46.99	20
2402MHz_TnomVmin	Pass	30M	1G	100k	769.05M	-85.55	0.00279	-53.98	4
2402MHz_TnomVmin	Pass	1G	12.5G	1M	3.3575G	-77.99	0.01589	-46.99	20
2402MHz_TnomVmax	Pass	30M	1G	100k	104.17M	-87.26	0.00188	-53.98	4
2402MHz_TnomVmax	Pass	1G	12.5G	1M	8.67948G	-78.27	0.01489	-46.99	20
2441MHz_TnomVnom	Pass	30M	1G	100k	761.26M	-86.85	0.00207	-53.98	4
2441MHz_TnomVnom	Pass	1G	12.5G	1M	1.83195G	-78.09	0.01552	-46.99	20
2441MHz_TnomVmin	Pass	30M	1G	100k	760.93M	-85.23	0.003	-53.98	4
2441MHz_TnomVmin	Pass	1G	12.5G	1M	1.83123G	-78.19	0.01517	-46.99	20
2441MHz_TnomVmax	Pass	30M	1G	100k	760.96M	-85.61	0.00275	-53.98	4
2441MHz_TnomVmax	Pass	1G	12.5G	1M	8.72153G	-77.92	0.01614	-46.99	20
2480MHz_TnomVnom	Pass	30M	1G	100k	763.05M	-86.39	0.0023	-53.98	4
2480MHz_TnomVnom	Pass	1G	12.5G	1M	8.60545G	-78.01	0.01581	-46.99	20
2480MHz_TnomVmin	Pass	30M	1G	100k	759.62M	-86.24	0.00238	-53.98	4
2480MHz_TnomVmin	Pass	1G	12.5G	1M	8.61048G	-78.00	0.01585	-46.99	20
2480MHz_TnomVmax	Pass	30M	1G	100k	739.25M	-84.36	0.00366	-53.98	4
2480MHz_TnomVmax	Pass	1G	12.5G	1M	8.74238G	-77.93	0.01611	-46.99	20

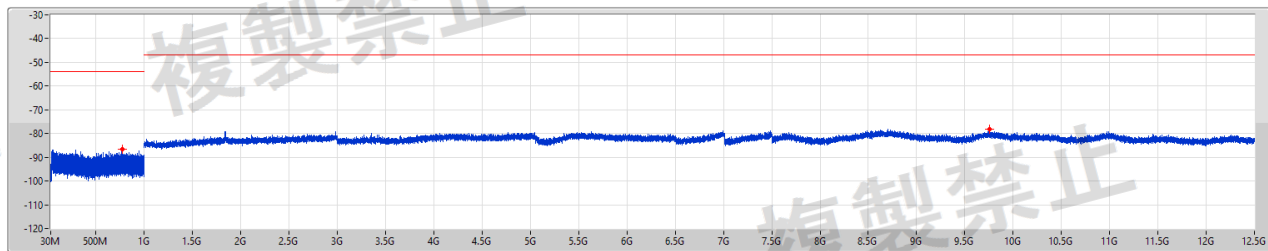


2.4-2.4835GHz_BT-BR(1Mbps)

CSE-RX-FS

2402MHz_TnomVnom

30/12/2025



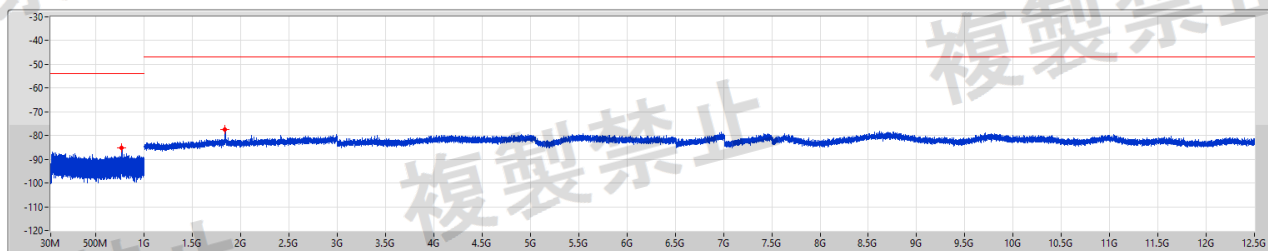
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	767.93M	-86.73	-53.98	-32.75	-86.73
1G	12.5G	9.75689G	-78.05	-46.99	-31.06	-78.05

2.4-2.4835GHz_BT-BR(1Mbps)

CSE-RX-FS

2402MHz_TnomVmin

30/12/2025



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	760.71M	-85.30	-53.98	-31.32	-85.30
1G	12.5G	1.83159G	-77.31	-46.99	-30.32	-77.31

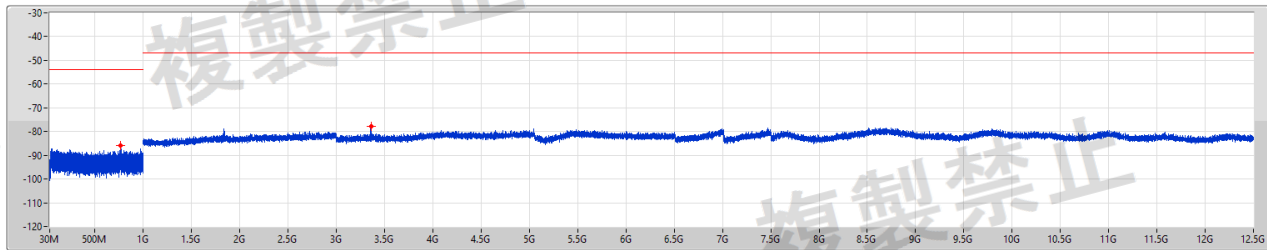


2.4-2.4835GHz_BT-BR(1Mbps)

CSE-RX-FS

2402MHz_TnomVmax

30/12/2025



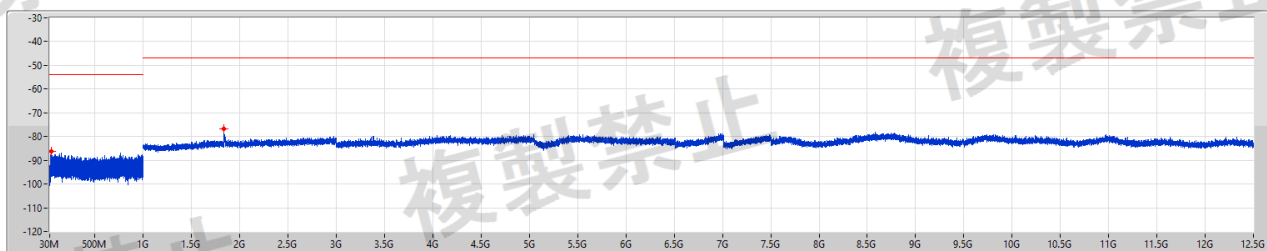
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	762.02M	-86.03	-53.98	-32.05	-86.03
1G	12.5G	3.3575G	-77.98	-46.99	-30.99	-77.98

2.4-2.4835GHz_BT-BR(1Mbps)

CSE-RX-FS

2441MHz_TnomVnom

30/12/2025



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	44.31M	-86.23	-53.98	-32.25	-86.23
1G	12.5G	1.83159G	-76.80	-46.99	-29.81	-76.80

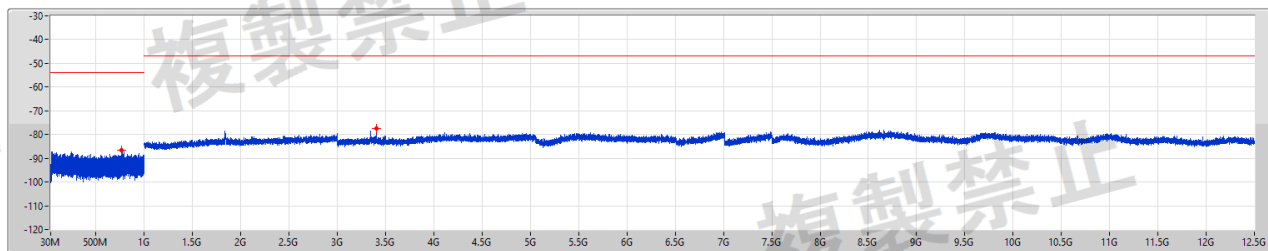


2.4-2.4835GHz_BT-BR(1Mbps)

CSE-RX-FS

2441MHz_TnomVmin

30/12/2025



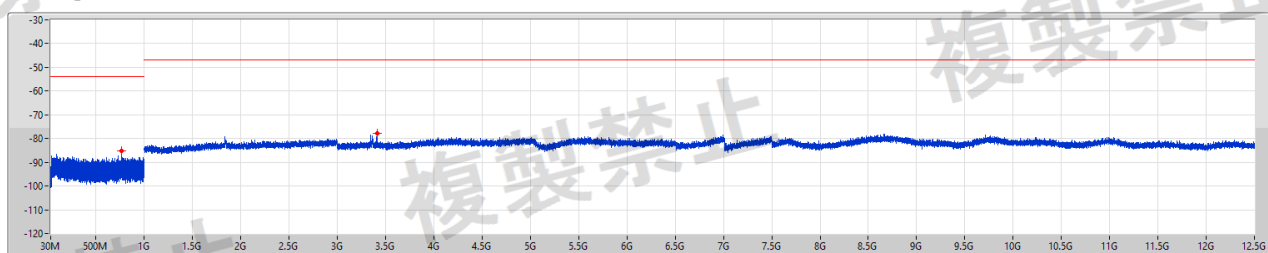
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	761.41M	-86.59	-53.98	-32.61	-86.59
1G	12.5G	3.40314G	-77.52	-46.99	-30.53	-77.52

2.4-2.4835GHz_BT-BR(1Mbps)

CSE-RX-FS

2441MHz_TnomVmax

30/12/2025



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	760.35M	-85.32	-53.98	-31.34	-85.32
1G	12.5G	3.41141G	-77.89	-46.99	-30.90	-77.89

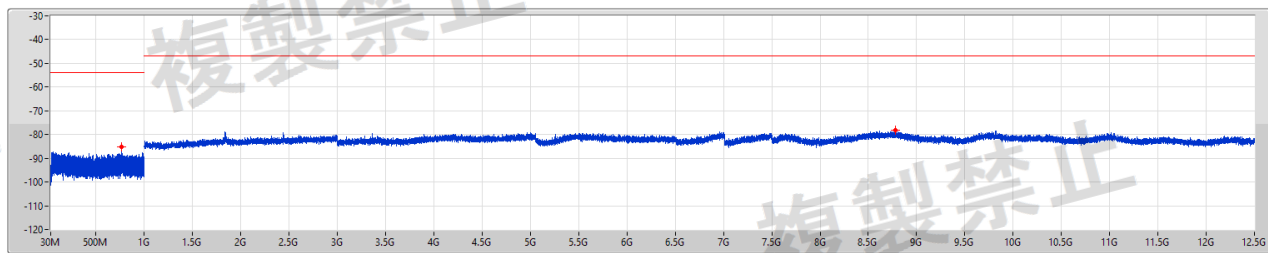


2.4-2.4835GHz_BT-BR(1Mbps)

CSE-RX-FS

2480MHz_TnomVnom

30/12/2025



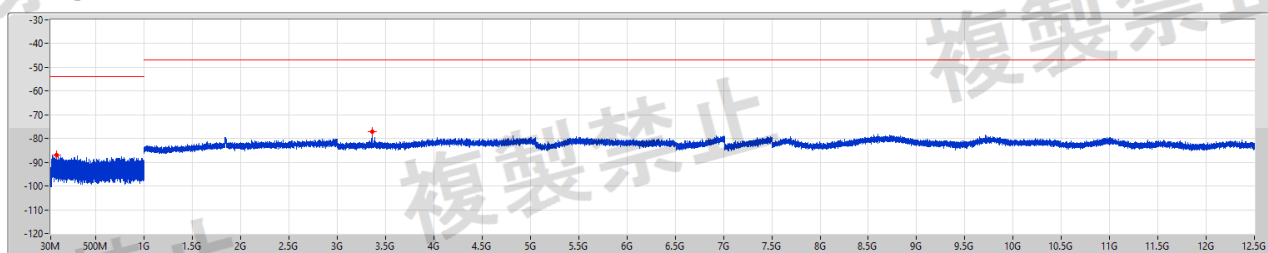
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	761.47M	-85.30	-53.30	-31.32	-85.30
1G	12.5G	8.78263G	-78.02	-46.99	-31.03	-78.02

2.4-2.4835GHz_BT-BR(1Mbps)

CSE-RX-FS

2480MHz_TnomVmin

30/12/2025



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	94.2M	-87.10	-53.98	-33.12	-87.10
1G	12.5G	3.35678G	-77.18	-46.99	-30.19	-77.18

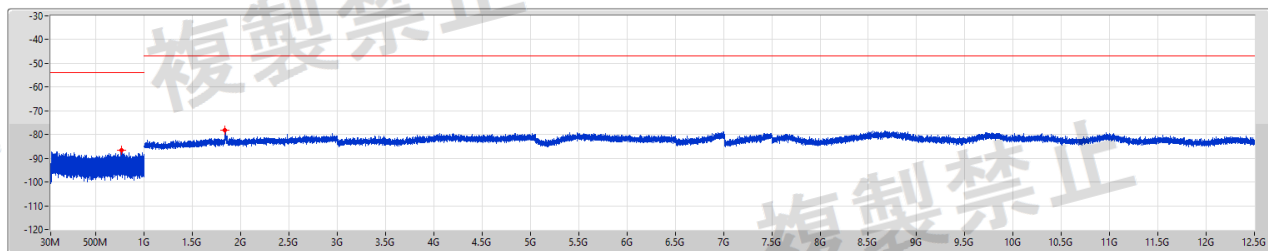


2.4-2.4835GHz_BT-BR(1Mbps)

CSE-RX-FS

2480MHz_TnomVmax

30/12/2025



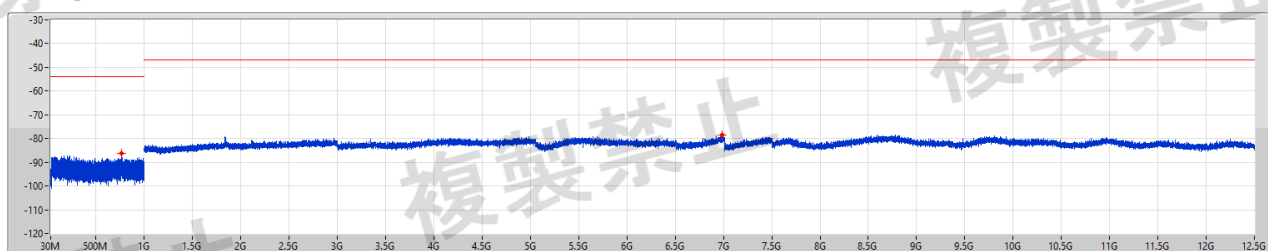
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	763.05M	-86.54	-53.98	-32.56	-86.54
1G	12.5G	1.83195G	-78.09	-46.99	-31.10	-78.09

2.4-2.4835GHz_BT-EDR(3Mbps)

CSE-RX-FS

2402MHz_TnomVnom

30/12/2025



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	760.02M	-86.41	-53.98	-32.43	-86.41
1G	12.5G	6.98719G	-78.42	-46.99	-31.43	-78.42

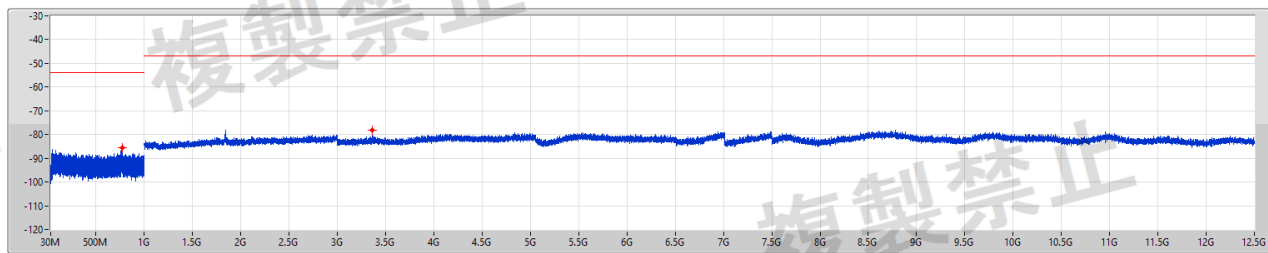


2.4-2.4835GHz_BT-EDR(3Mbps)

CSE-RX-FS

2402MHz_TnomVmin

30/12/2025



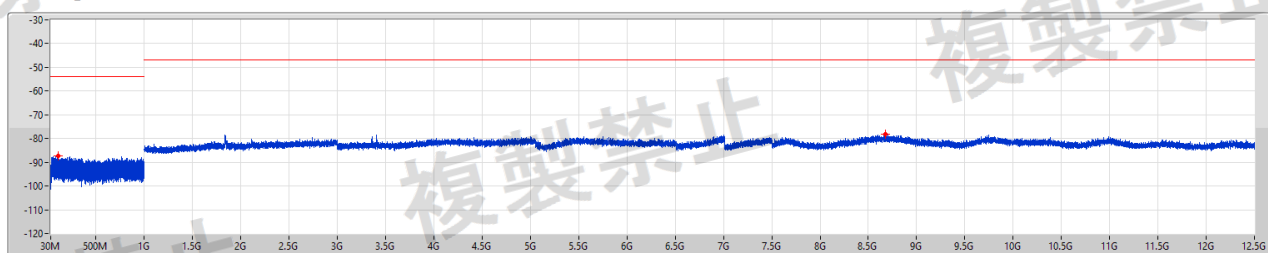
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	769.05M	-85.55	-53.98	-31.57	-85.55
1G	12.5G	3.3575G	-77.99	-46.99	-31.00	-77.99

2.4-2.4835GHz_BT-EDR(3Mbps)

CSE-RX-FS

2402MHz_TnomVmax

30/12/2025



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	104.17M	-87.26	-53.98	-33.28	-87.26
1G	12.5G	8.67948G	-78.27	-46.99	-31.28	-78.27

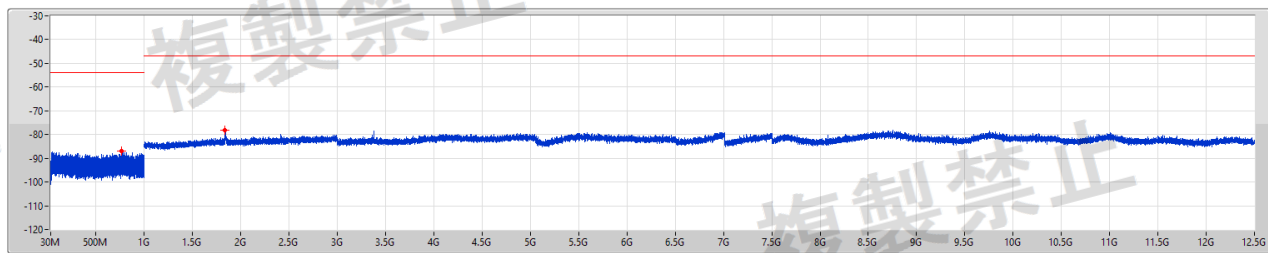


2.4-2.4835GHz_BT-EDR(3Mbps)

CSE-RX-FS

2441MHz_TnomVnom

30/12/2025



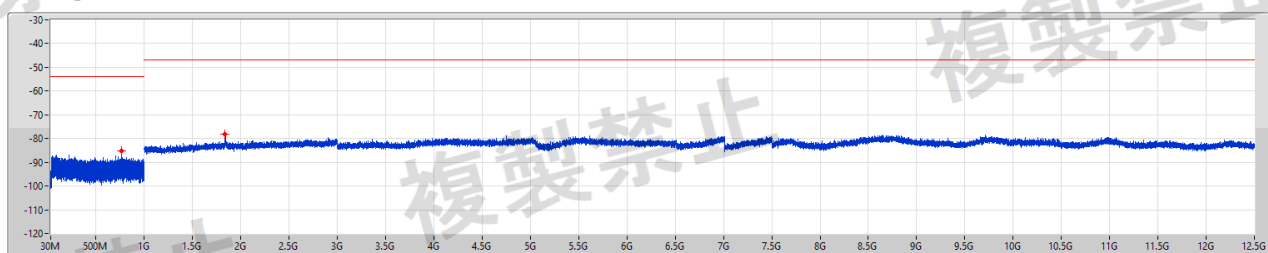
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	761.26M	-86.85	-53.98	-32.87	-86.85
1G	12.5G	1.83195G	-78.09	-46.99	-31.10	-78.09

2.4-2.4835GHz_BT-EDR(3Mbps)

CSE-RX-FS

2441MHz_TnomVmin

30/12/2025



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	760.93M	-85.23	-53.98	-31.25	-85.23
1G	12.5G	1.83123G	-78.19	-46.99	-31.20	-78.19

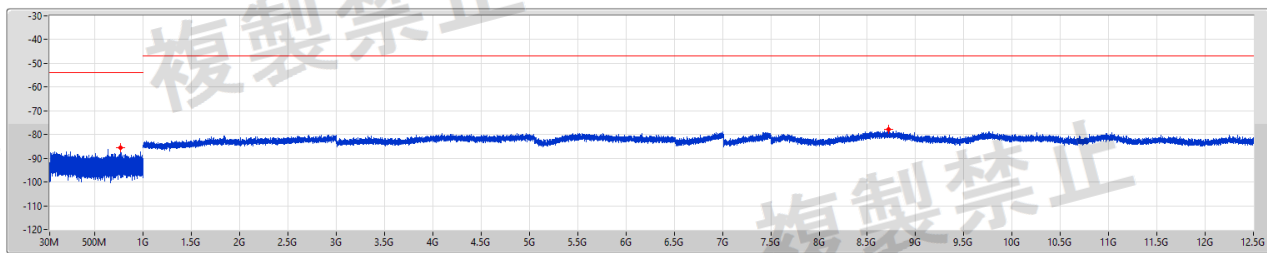


2.4-2.4835GHz_BT-EDR(3Mbps)

CSE-RX-FS

2441MHz_TnomVmax

30/12/2025



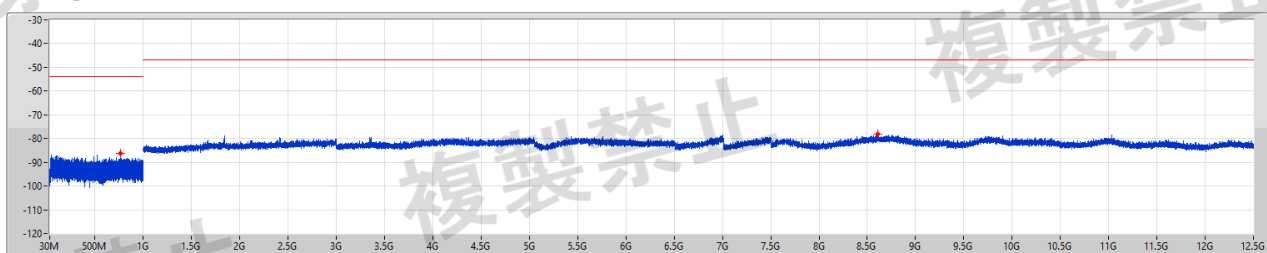
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	760.96M	-85.61	-53.98	-31.63	-85.61
1G	12.5G	8.72153G	-77.92	-46.99	-30.93	-77.92

2.4-2.4835GHz_BT-EDR(3Mbps)

CSE-RX-FS

2480MHz_TnomVnom

30/12/2025



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	763.05M	-86.39	-53.98	-32.41	-86.39
1G	12.5G	8.60545G	-78.01	-46.99	-31.02	-78.01

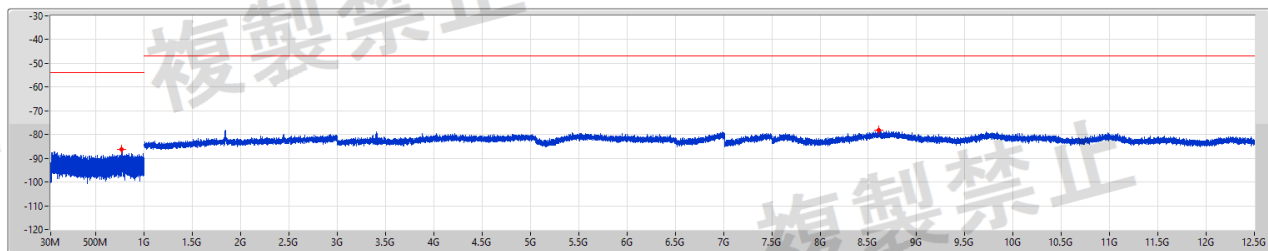


2.4-2.4835GHz_BT-EDR(3Mbps)

CSE-RX-FS

2480MHz_TnomVmin

30/12/2025



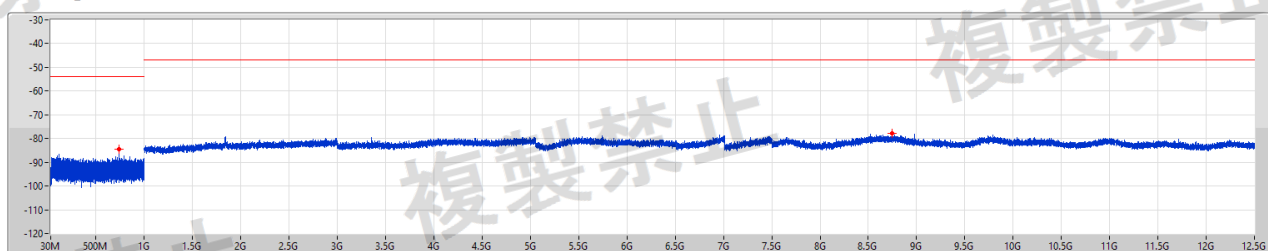
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	759.62M	-86.24	-53.98	-32.26	-86.24
1G	12.5G	8.61048G	-78.00	-46.99	-31.01	-78.00

2.4-2.4835GHz_BT-EDR(3Mbps)

CSE-RX-FS

2480MHz_TnomVmax

30/12/2025



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	759.25M	-84.36	-53.98	-30.38	-84.36
1G	12.5G	8.74238G	-77.93	-46.99	-30.94	-77.93