

Japan Test Report

Equipment : InfoTag 5.79 COLOUR
Model No. : InfoTag 5.79
Brand Name : TERAOKA / DIGI
Applicant : DIGI SINGAPORE PTE. LTD.
Address : 4 Leng Kee Rd, #06-01 SIS Building,
Singapore 159088
Standard : Article 2 Paragraph 1 Item 19
Received Date : May 15, 2026
Tested Date : Jun. 24, 2026

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 MIC Notification No. 88 of 2004, Appendix No. 43.

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

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Release Record

Report No.	Version	Description	Issued Date
JR651502	Rev. 01	Initial issue	Jul. 20, 2026

Summary of Test Results

Ref. Std. Clause	Description	Result
3.2(2)(3)	Antenna Power	Pass
3.2(4)	Frequency Tolerance	Pass
3.2(6)	Transmitter Spurious Emission	Pass
3.2(7)	Occupied Bandwidth	Pass
3.3(1)	Receiver Emission	Pass
3.4.1	Interference prevention function	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 Specification of the Equipment under Test (EUT)

Power Type	3Vdc from battery (Coin Battery x3)
Type(s) of Modulation / Technology	GFSK = 250KBPS
Frequency Range (MHz)	2402 ~ 2480 MHz
Total Channel Number	79
HW Version	TWB-15950-0 REV C
SW Version	F008

1.1.2 Accessories

N/A.

1.1.3 Antenna Details

Ant. No.	Brand	Model	Type	Connector	Gain (dBi)
1	DIGI SINGAPORE PTE. LTD.	DIGI2.4IFA	PCB antenna	LAYOUT ON PCB BOARD	3.3

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

1.1.4 Antenna Power

Operating Mode	Rated Power (mW)	Measured Conducted Power (mW)	Radiated Power(mW)
GFSK	2	1.991	4.256

1.1.5 Channel List

Frequency band (MHz)				2402-2480			
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	--	--

1.1.6 Test Tool and Power Index

Test Tool
SmartRF Studio 7, Version: 2.14.0

Power Index			
Modulation Mode	Test Frequency (MHz)		
	2402	2440	2480
GFSK	Default	Default	Default

1.1.7 Test Voltage

Test Voltage	☒ Vnom (3 Vdc)	☒ Vmax (3.3 Vdc)	☒ Vmin (2 Vdc)
--------------	--	--	--

1.1.8 Protection Method for High Frequency and Modulation Section

Protected Method	Description
ULTRASOUND WELDING	Against the illegal modification, the RF and modulation are protected by Ultrasonic welding method on the case.

1.2 Test Equipment and Calibration Data

Test Item	RF Conducted						
Test Site	(TH01-WS)						
Tested Date	Jun. 24, 2026						
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until	Calibration Authority	Calibration Method
Spectrum Analyzer	R&S	FSV40	101486	Mar. 10, 2026	Mar. 09, 2027	ETC	(C)
DC POWER SOURCE	GW INSTEK	GPE-6030	GEZ824073	Oct. 27, 2025	Oct. 26, 2026	ETC	(C)
Power Sensor	Anritsu	MA2411B	1207367	Feb. 04, 2026	Feb. 03, 2027	ETC	(C)
Power Meter	Anritsu	ML2495A	1218007	Feb. 04, 2026	Feb. 03, 2027	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

- 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.
- 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.
- 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).
- 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

2 Test Configuration

2.1 Testing Location and Conditions

Test Site	Site Category	Ambient Condition	Tested By
TH01-WS	OVEN Room	20.5°C / 64%	Alan Tang

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 Supporting Units

Support Unit	Brand	Model	FCC ID
Laptop	DELL	Latitude 5400	DoC

2.4 The Worst Test Modes and Channel Details

Test item	Mode	Test channel
Antenna Power Frequency Tolerance Occupied Bandwidth Transmitter Spurious Emission Interference prevention function Receiver Spurious Emissions	GFSK	2402 / 2440 / 2480

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

Measure the total power by Power Meter

3.1.3 Test Setup



3.1.4 Test Result

Refer to Appendix A.

3.2 Frequency Tolerance

3.2.1 Limit of Frequency Tolerance

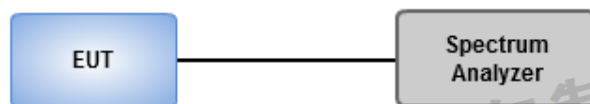
Frequency tolerance shall be +/- 50ppm.

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
$$FT(ppm) = \{ (RF) - (MF) / (MF) \} \times 1,000,000$$

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

3.2.3 Test Setup



3.2.4 Test Result

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 = 40MHz, RBW = VBW = 300kHz, detector = Peak, Sweep time = Auto.
2. Enable OBW function of spectrum analyzer to measure OBW and capture test plot.

3.3.3 Test Setup



3.3.4 Test Result

Refer to Appendix C.

3.4 Transmitter Spurious Emissions

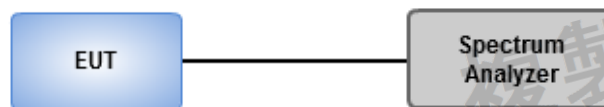
3.4.1 Limit of Transmitter Spurious Emissions

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 Result

Refer to Appendix D.

3.5 Interference Prevention Function

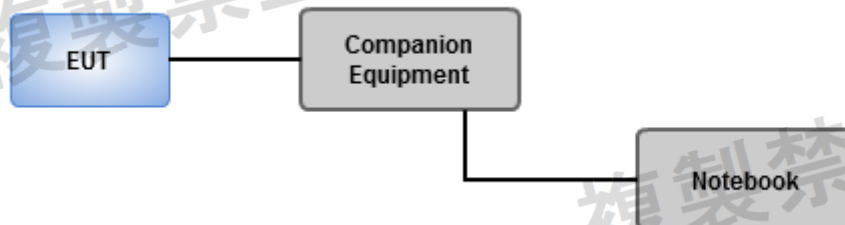
3.5.1 Limit of Interference Prevention Function

Limits
The identification code shall be 48 bits long

3.5.2 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

3.5.3 Test Setup



3.5.4 Test Result

Refer to Appendix E.

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 Result

Refer to Appendix F.

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==

**Summary**

Mode	Result	Power (dBm)	Power (mW)	Declare (mW)	Tolerance (%)	Limit+ (%)	Limit- (%)
2.4-2.4835GHz	-	-	-	-	-	-	-
GFSK	Pass	2.99	1.991	2	-0.47	20	-Inf

Inf = There's no restriction for the limit.

Result

Mode	Result	Power (dBm)	Power (mW)	Declare (mW)	Tolerance (%)	Limit+ (%)	Limit- (%)
GFSK	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.91	1.954	2	-2.28	20	-Inf
2402MHz_TnomVmin	Pass	2.91	1.954	2	-2.28	20	-Inf
2402MHz_TnomVmax	Pass	2.92	1.959	2	-2.06	20	-Inf
2440MHz_TnomVnom	Pass	2.94	1.968	2	-1.61	20	-Inf
2440MHz_TnomVmin	Pass	2.95	1.972	2	-1.38	20	-Inf
2440MHz_TnomVmax	Pass	2.94	1.968	2	-1.61	20	-Inf
2480MHz_TnomVnom	Pass	2.99	1.991	2	-0.47	20	-Inf
2480MHz_TnomVmin	Pass	2.98	1.986	2	-0.70	20	-Inf
2480MHz_TnomVmax	Pass	2.98	1.986	2	-0.70	20	-Inf

Inf = There's no restriction for the limit.



Summary

Mode	Power (dBm)	Power (mW)	EIRP (dBm)	EIRP (mW)
2.4-2.4835GHz	-	-	-	-
GFSK	2.99	1.991	6.29	4.256

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power (mW)	Power Lim. (mW)	EIRP (dBm)	EIRP (mW)	EIRP Lim. (mW)
GFSK	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	3.30	2.91	1.954	10	6.21	4.178	16.368
2402MHz_TnomVmin	Pass	3.30	2.91	1.954	10	6.21	4.178	16.368
2402MHz_TnomVmax	Pass	3.30	2.92	1.959	10	6.22	4.188	16.368
2440MHz_TnomVnom	Pass	3.30	2.94	1.968	10	6.24	4.207	16.368
2440MHz_TnomVmin	Pass	3.30	2.95	1.972	10	6.25	4.217	16.368
2440MHz_TnomVmax	Pass	3.30	2.94	1.968	10	6.24	4.207	16.368
2480MHz_TnomVnom	Pass	3.30	2.99	1.991	10	6.29	4.256	16.368
2480MHz_TnomVmin	Pass	3.30	2.98	1.986	10	6.28	4.246	16.368
2480MHz_TnomVmax	Pass	3.30	2.98	1.986	10	6.28	4.246	16.368



Frequency Tolerance

Appendix B

Summary

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
2.4-2.4835GHz	-	-	-	-	-	-	-
GFSK	Pass	2.402G	2.402005999G	2.4975	±50	1	-

Result

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
GFSK	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402G	2.402005997G	2.4967	±50	1	-
2402MHz_TnomVmin	Pass	2.402G	2.402005997G	2.4967	±50	1	-
2402MHz_TnomVmax	Pass	2.402G	2.402005999G	2.4975	±50	1	-
2440MHz_TnomVnom	Pass	2.44G	2.440005888G	2.4131	±50	1	-
2440MHz_TnomVmin	Pass	2.44G	2.440005889G	2.4135	±50	1	-
2440MHz_TnomVmax	Pass	2.44G	2.440005884G	2.4115	±50	1	-
2480MHz_TnomVnom	Pass	2.48G	2.480006023G	2.4286	±50	1	-
2480MHz_TnomVmin	Pass	2.48G	2.480006013G	2.4246	±50	1	-
2480MHz_TnomVmax	Pass	2.48G	2.480006009G	2.423	±50	1	-



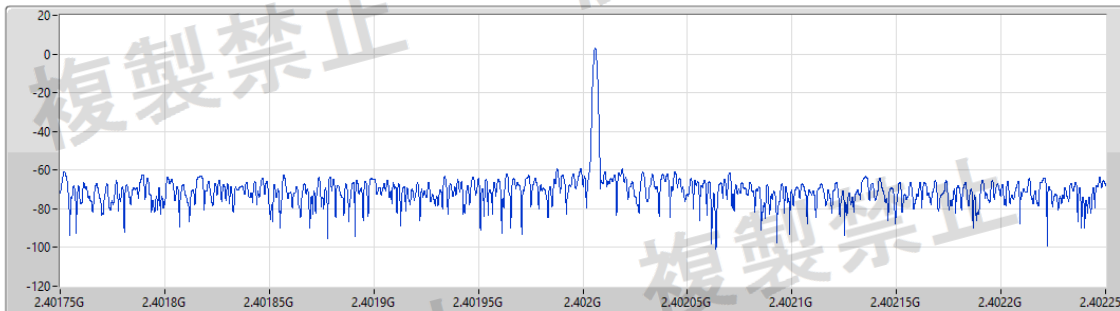
2.4-2.4835GHz_GFSK

Freq. Stability-DTS

2402MHz_TnomVnom

24/06/2026

CF (Hz)
2.402G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
50m
Detector Type
Peak



Ch(Hz)	Center(Hz)	Fl(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.402G	2.402005997G	-	-	2.4967	±50	1	-

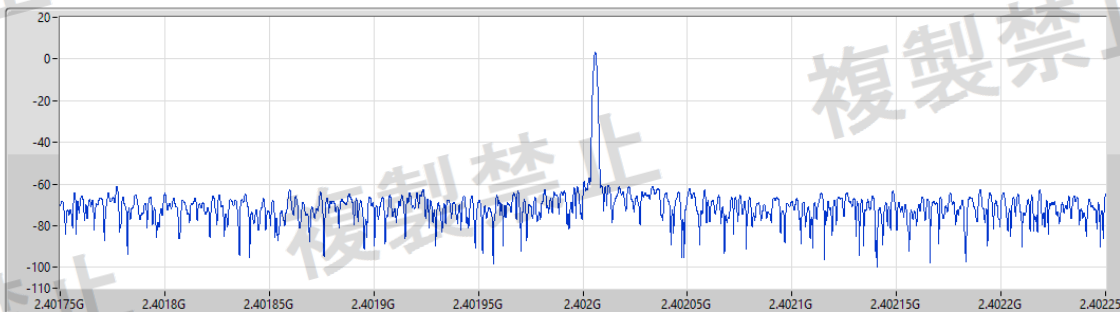
2.4-2.4835GHz_GFSK

Freq. Stability-DTS

2402MHz_TnomVmin

24/06/2026

CF (Hz)
2.402G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
50m
Detector Type
Peak



Ch(Hz)	Center(Hz)	Fl(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.402G	2.402005997G	-	-	2.4967	±50	1	-



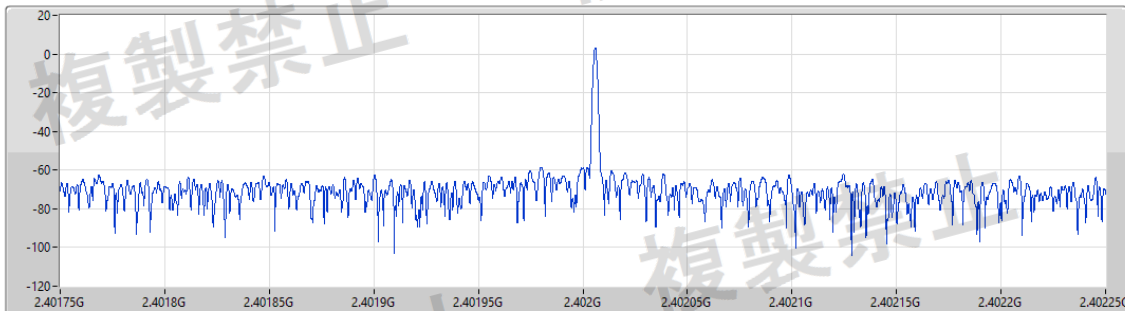
2.4-2.4835GHz_GFSK

Freq. Stability-DTS

2402MHz_TnomVmax

24/06/2026

CF (Hz)
2.402G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
50m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.402G	2.402005999G	-	-	2.4975	±50	1	-

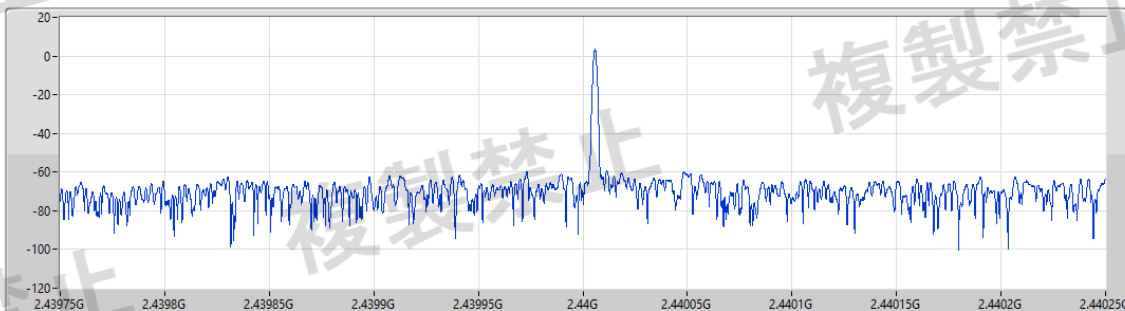
2.4-2.4835GHz_GFSK

Freq. Stability-DTS

2440MHz_TnomVnom

24/06/2026

CF (Hz)
2.44G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
50m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.44G	2.440005888G	-	-	2.4131	±50	1	-

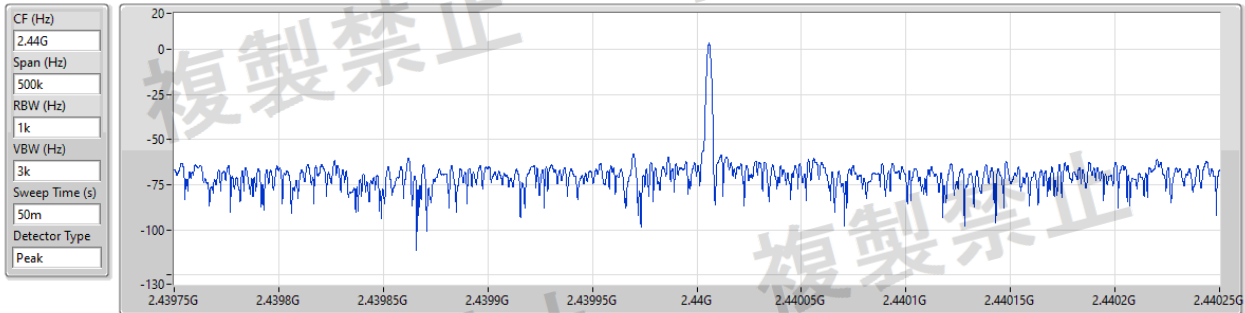


2.4-2.4835GHz_GFSK

Freq. Stability-DTS

2440MHz_TnomVmin

24/06/2026



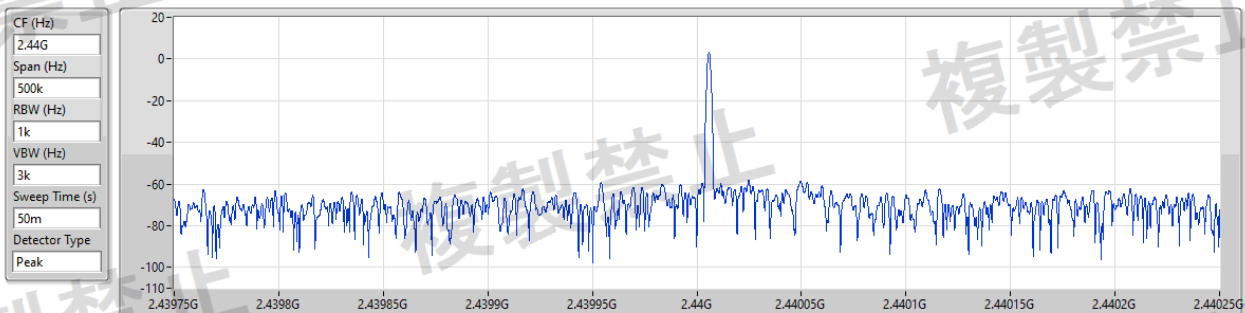
Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.44G	2.440005889G	-	-	2.4135	±50	1	-

2.4-2.4835GHz_GFSK

Freq. Stability-DTS

2440MHz_TnomVmax

24/06/2026



Ch(Hz)	Center(Hz)	F(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.44G	2.440005884G	-	-	2.4115	±50	1	-



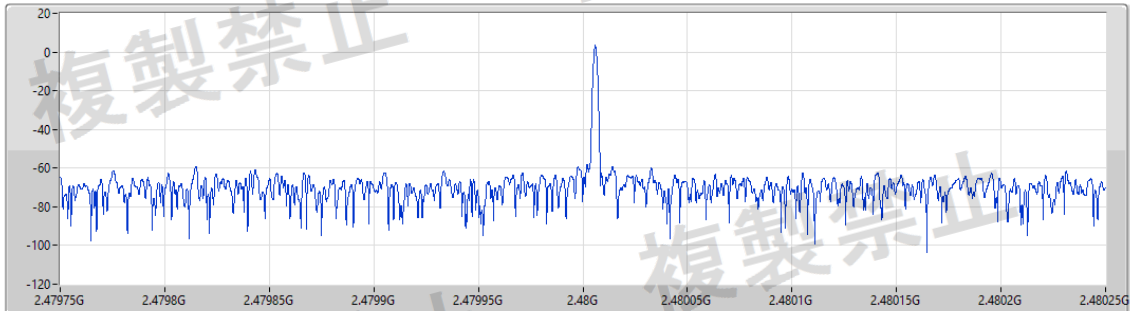
2.4-2.4835GHz_GFSK

Freq. Stability-DTS

2480MHz_TnomVnom

24/06/2026

CF (Hz)
2.48G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
50m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F1(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.48G	2.480006023G	-	-	2.4286	±50	1	-

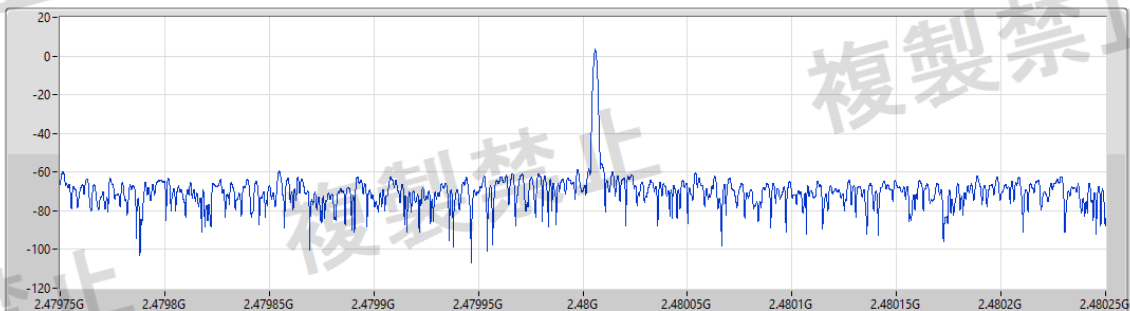
2.4-2.4835GHz_GFSK

Freq. Stability-DTS

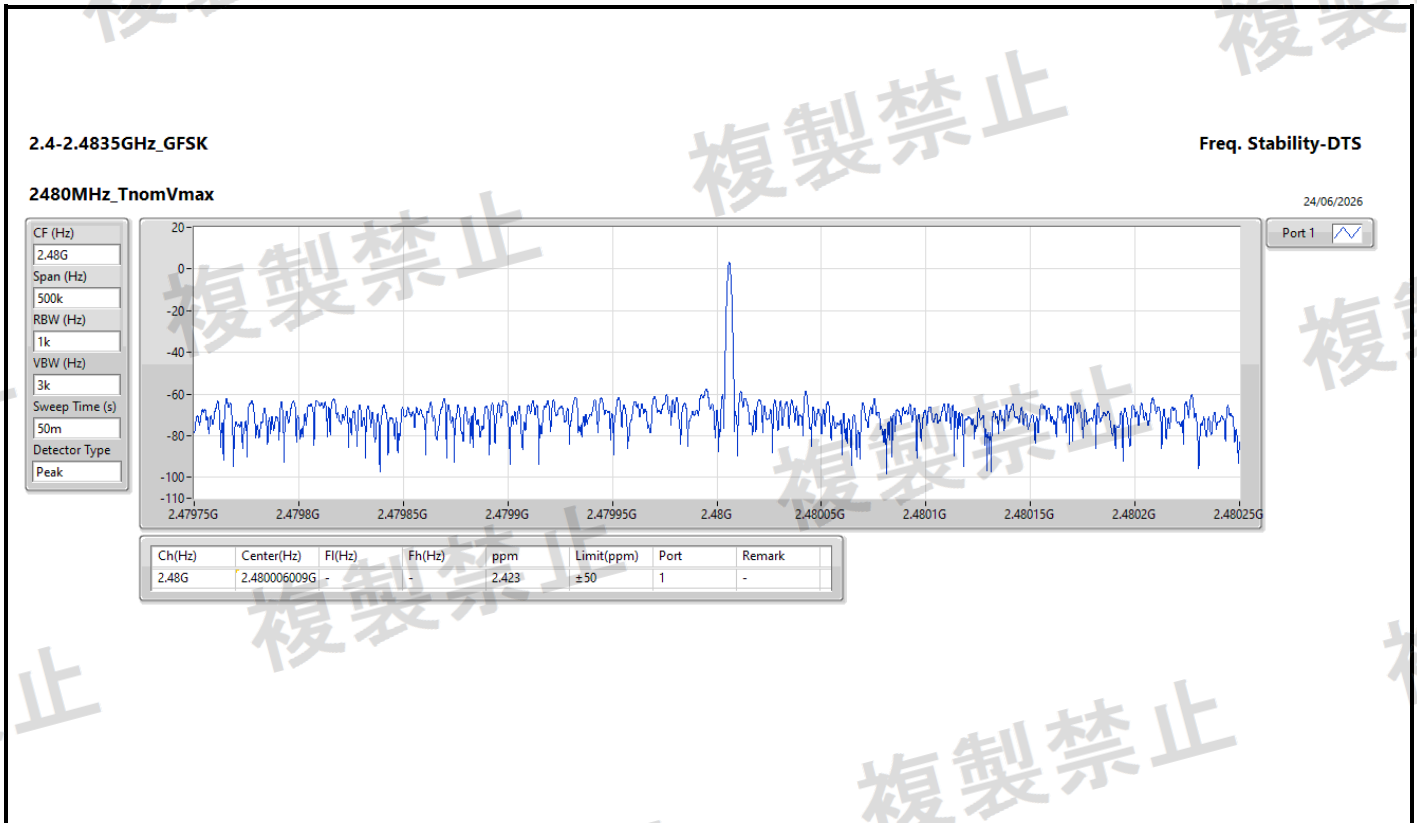
2480MHz_TnomVmin

24/06/2026

CF (Hz)
2.48G
Span (Hz)
500k
RBW (Hz)
1k
VBW (Hz)
3k
Sweep Time (s)
50m
Detector Type
Peak



Ch(Hz)	Center(Hz)	F1(Hz)	Fh(Hz)	ppm	Limit(ppm)	Port	Remark
2.48G	2.480006013G	-	-	2.4246	±50	1	-





Occupied Bandwidth

Appendix C

Summary

Mode	Max-OBW (Hz)	ITU-Code	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-
GFSK	1.28M	1M28F1D	1.273M

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

Result

Mode	Result	Limit (Hz)	P1-OBW (Hz)
GFSK	-	-	-
2402MHz_TnomVnom	Pass	26M	1.274M
2402MHz_TnomVmin	Pass	26M	1.273M
2402MHz_TnomVmax	Pass	26M	1.273M
2440MHz_TnomVnom	Pass	26M	1.279M
2440MHz_TnomVmin	Pass	26M	1.28M
2440MHz_TnomVmax	Pass	26M	1.279M
2480MHz_TnomVnom	Pass	26M	1.277M
2480MHz_TnomVmin	Pass	26M	1.277M
2480MHz_TnomVmax	Pass	26M	1.276M

P1-OBW = Port 1 99% occupied bandwidth

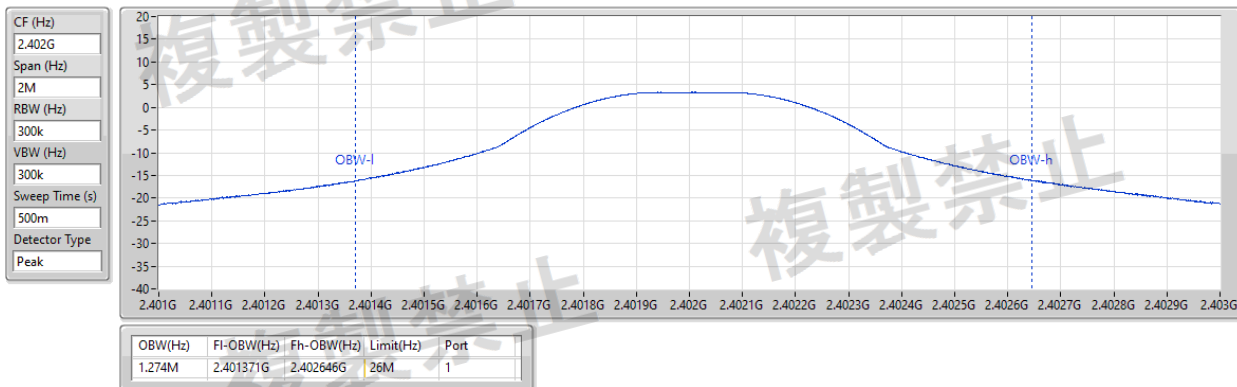


2.4-2.4835GHz_GFSK

OBW-DTS

2402MHz_TnomVnom

24/06/2026

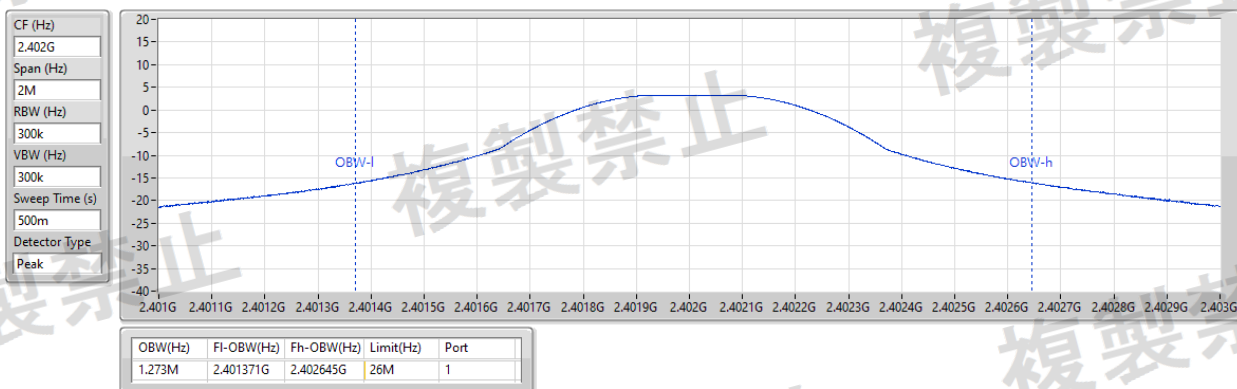


2.4-2.4835GHz_GFSK

OBW-DTS

2402MHz_TnomVmin

24/06/2026



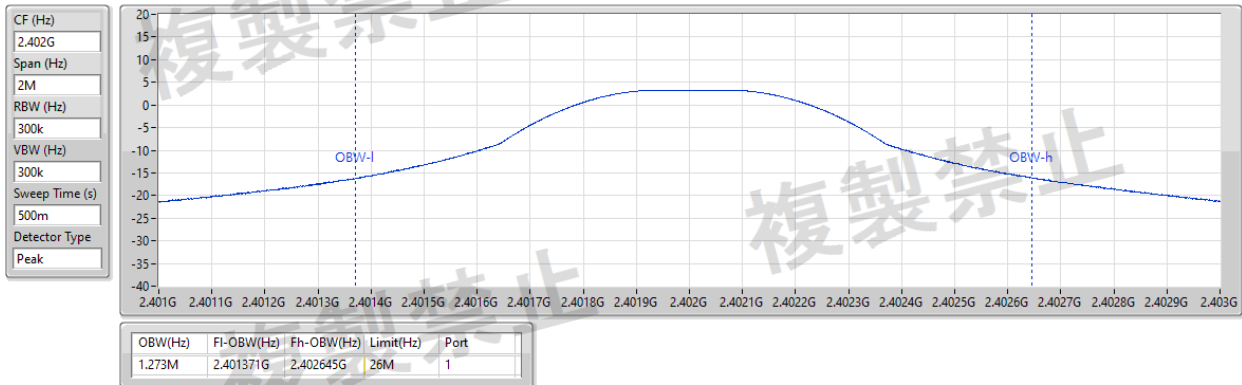


2.4-2.4835GHz_GFSK

OBW-DTS

2402MHz_TnomVmax

24/06/2026

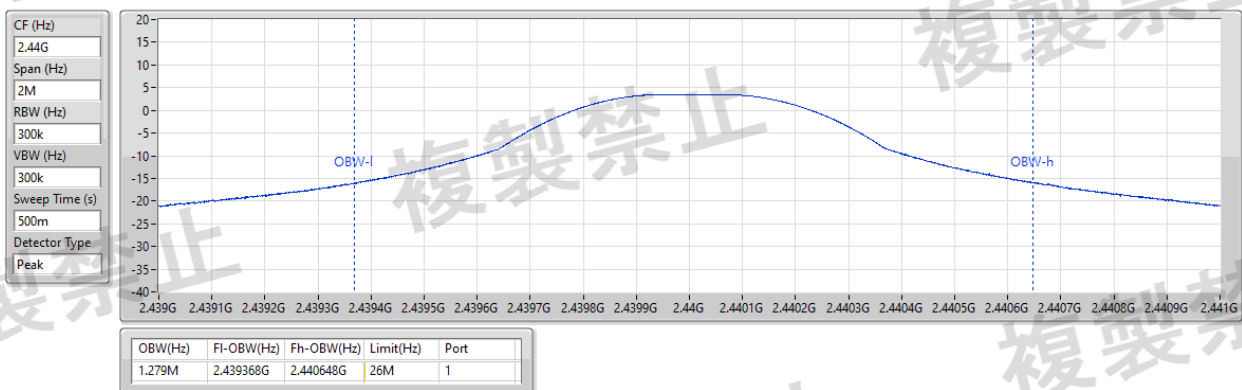


2.4-2.4835GHz_GFSK

OBW-DTS

2440MHz_TnomVnom

24/06/2026



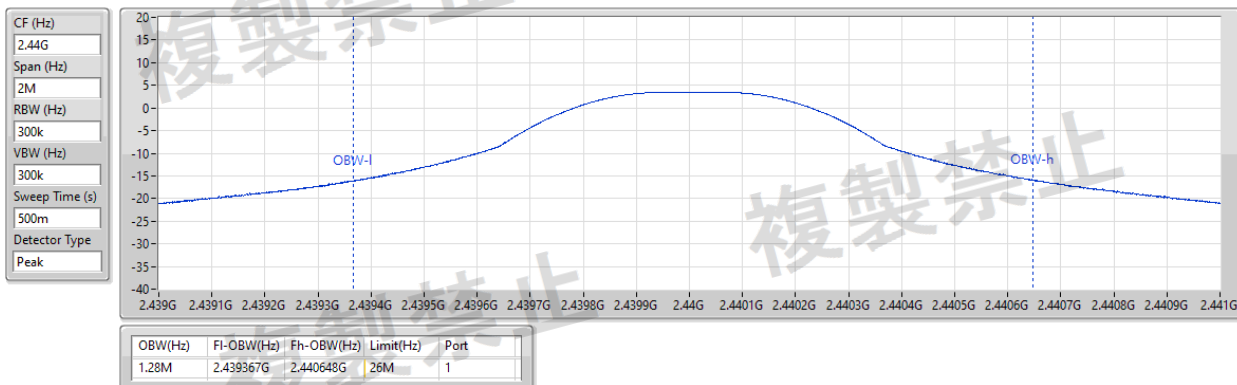


2.4-2.4835GHz_GFSK

OBW-DTS

2440MHz_TnomVmin

24/06/2026

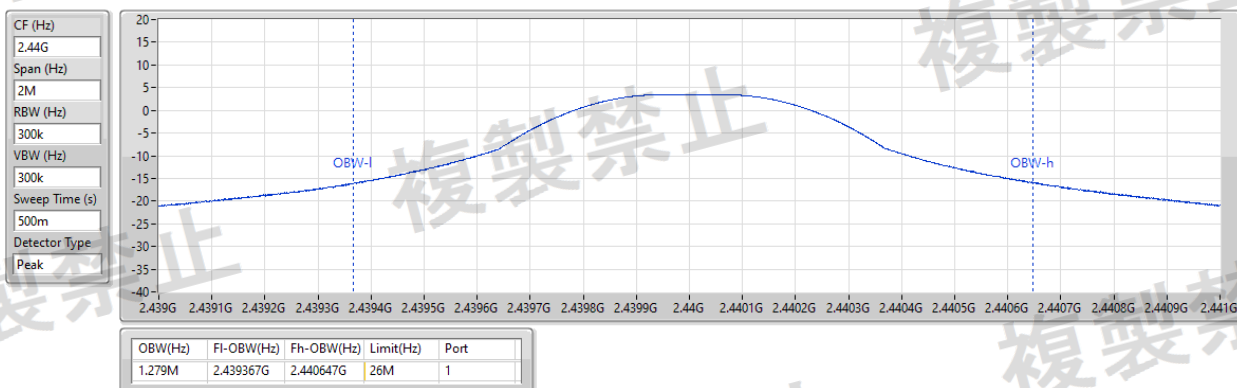


2.4-2.4835GHz_GFSK

OBW-DTS

2440MHz_TnomVmax

24/06/2026



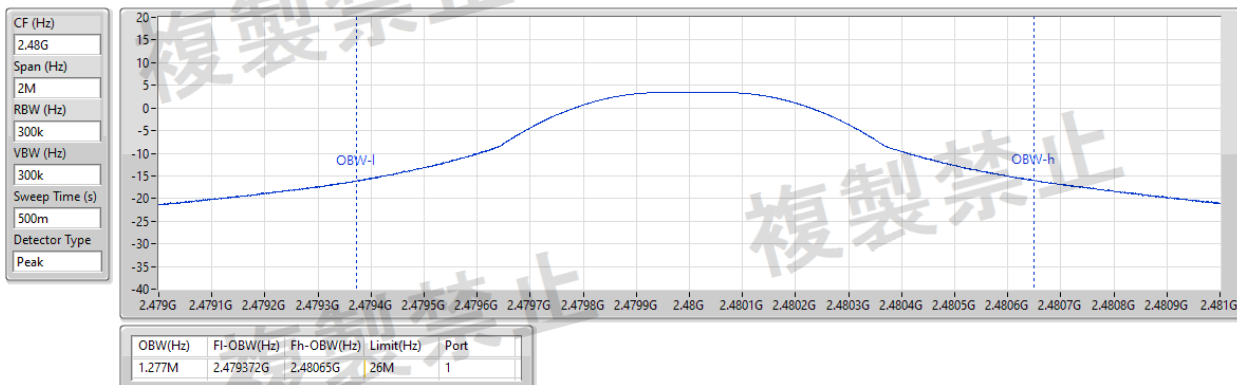


2.4-2.4835GHz_GFSK

OBW-DTS

2480MHz_TnomVnom

24/06/2026

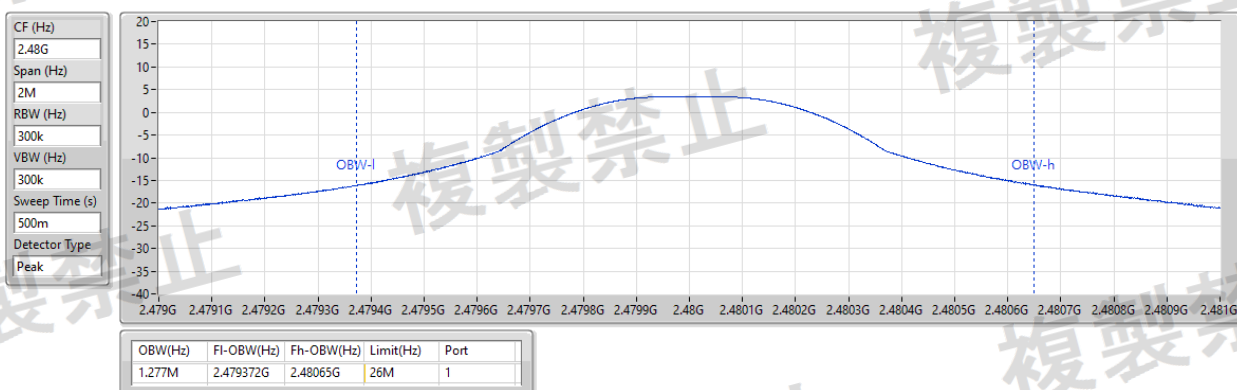


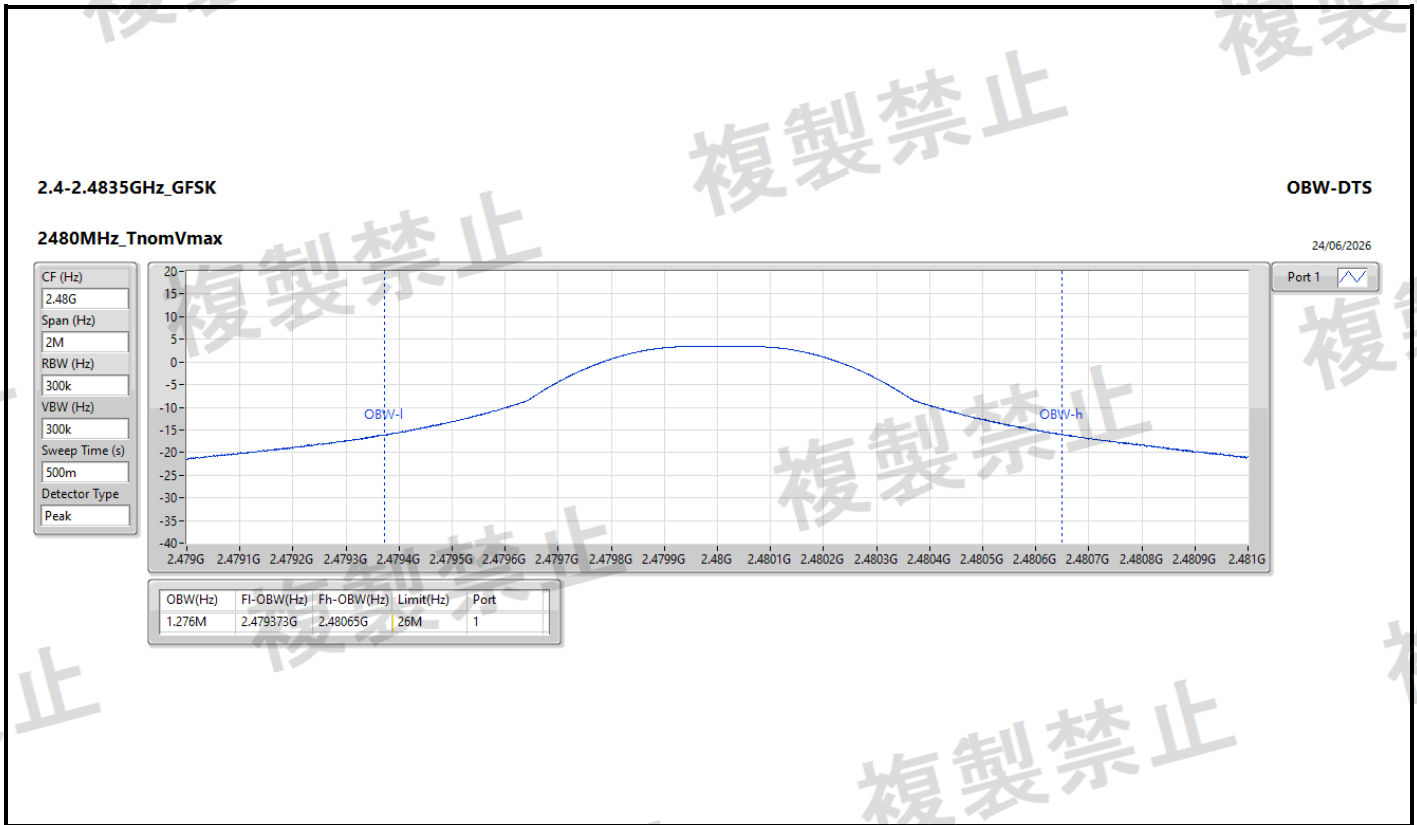
2.4-2.4835GHz_GFSK

OBW-DTS

2480MHz_TnomVmin

24/06/2026







Transmitter Spurious Emissions

Appendix D

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	-	-	-	-	-	-	-	-	-
GFSK	Pass	2.4965G	12.5G	1M	7.43979G	-43.62	0.04345	-26.02	2.5

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)
GFSK	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	2.387G	1M	2.3638G	-52.54	0.00557	-26.02	2.5
2402MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39999G	-33.79	0.41783	-16.02	25
2402MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.49628G	-52.82	0.00522	-16.02	25
2402MHz_TnomVnom	Pass	2.4965G	12.5G	1M	4.80387G	-50.38	0.00916	-26.02	2.5
2402MHz_TnomVnom	Pass	2.4965G	12.5G	1M	7.20596G	-44.98	0.03177	-26.02	2.5
2402MHz_TnomVmin	Pass	30M	2.387G	1M	2.30406G	-53.27	0.00471	-26.02	2.5
2402MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.4G	-33.80	0.41687	-16.02	25
2402MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48727G	-52.95	0.00507	-16.02	25
2402MHz_TnomVmin	Pass	2.4965G	12.5G	1M	4.80387G	-50.59	0.00873	-26.02	2.5
2402MHz_TnomVmin	Pass	2.4965G	12.5G	1M	7.20596G	-45.43	0.02864	-26.02	2.5
2402MHz_TnomVmax	Pass	30M	2.387G	1M	2.36365G	-53.44	0.00453	-26.02	2.5
2402MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39999G	-33.98	0.39994	-16.02	25
2402MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.48536G	-53.13	0.00486	-16.02	25
2402MHz_TnomVmax	Pass	2.4965G	12.5G	1M	4.80387G	-50.17	0.00962	-26.02	2.5
2402MHz_TnomVmax	Pass	2.4965G	12.5G	1M	7.20596G	-46.42	0.0228	-26.02	2.5
2440MHz_TnomVnom	Pass	30M	2.387G	1M	2.36093G	-53.70	0.00427	-26.02	2.5
2440MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.39669G	-53.45	0.00452	-16.02	25
2440MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.48681G	-52.86	0.00518	-16.02	25
2440MHz_TnomVnom	Pass	2.4965G	12.5G	1M	4.88077G	-50.90	0.00813	-26.02	2.5
2440MHz_TnomVnom	Pass	2.4965G	12.5G	1M	7.32038G	-44.35	0.03673	-26.02	2.5
2440MHz_TnomVmin	Pass	30M	2.387G	1M	2.36321G	-53.65	0.00432	-26.02	2.5
2440MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.39597G	-53.67	0.0043	-16.02	25
2440MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.49448G	-52.92	0.00511	-16.02	25
2440MHz_TnomVmin	Pass	2.4965G	12.5G	1M	4.87983G	-51.24	0.00752	-26.02	2.5
2440MHz_TnomVmin	Pass	2.4965G	12.5G	1M	7.32006G	-43.67	0.04295	-26.02	2.5
2440MHz_TnomVmax	Pass	30M	2.387G	1M	2.35113G	-54.08	0.00391	-26.02	2.5
2440MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39976G	-52.86	0.00518	-16.02	25
2440MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.49536G	-53.26	0.00472	-16.02	25
2440MHz_TnomVmax	Pass	2.4965G	12.5G	1M	4.87983G	-50.82	0.00828	-26.02	2.5
2440MHz_TnomVmax	Pass	2.4965G	12.5G	1M	7.32006G	-44.53	0.03524	-26.02	2.5
2480MHz_TnomVnom	Pass	30M	2.387G	1M	2.3554G	-53.68	0.00429	-26.02	2.5
2480MHz_TnomVnom	Pass	2.387G	2.4G	1M	2.3979G	-53.24	0.00474	-16.02	25
2480MHz_TnomVnom	Pass	2.4835G	2.4965G	1M	2.48411G	-47.04	0.01977	-16.02	25
2480MHz_TnomVnom	Pass	2.4965G	12.5G	1M	4.95986G	-50.36	0.0092	-26.02	2.5
2480MHz_TnomVnom	Pass	2.4965G	12.5G	1M	7.43979G	-43.62	0.04345	-26.02	2.5



Transmitter Spurious Emissions

Appendix D

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm/MHz)	Psum (uW/MHz)	Limit (dBm/MHz)	Limit (uW/MHz)
2480MHz_TnomVmin	Pass	30M	2.387G	1M	2.31158G	-53.41	0.00456	-26.02	2.5
2480MHz_TnomVmin	Pass	2.387G	2.4G	1M	2.39943G	-53.42	0.00455	-16.02	25
2480MHz_TnomVmin	Pass	2.4835G	2.4965G	1M	2.48389G	-46.87	0.02056	-16.02	25
2480MHz_TnomVmin	Pass	2.4965G	12.5G	1M	4.96017G	-50.34	0.00925	-26.02	2.5
2480MHz_TnomVmin	Pass	2.4965G	12.5G	1M	7.43979G	-43.71	0.04256	-26.02	2.5
2480MHz_TnomVmax	Pass	30M	2.387G	1M	2.35636G	-53.76	0.00421	-26.02	2.5
2480MHz_TnomVmax	Pass	2.387G	2.4G	1M	2.39014G	-53.42	0.00455	-16.02	25
2480MHz_TnomVmax	Pass	2.4835G	2.4965G	1M	2.48407G	-46.90	0.02042	-16.02	25
2480MHz_TnomVmax	Pass	2.4965G	12.5G	1M	4.96017G	-50.42	0.00908	-26.02	2.5
2480MHz_TnomVmax	Pass	2.4965G	12.5G	1M	7.4401G	-43.71	0.04256	-26.02	2.5

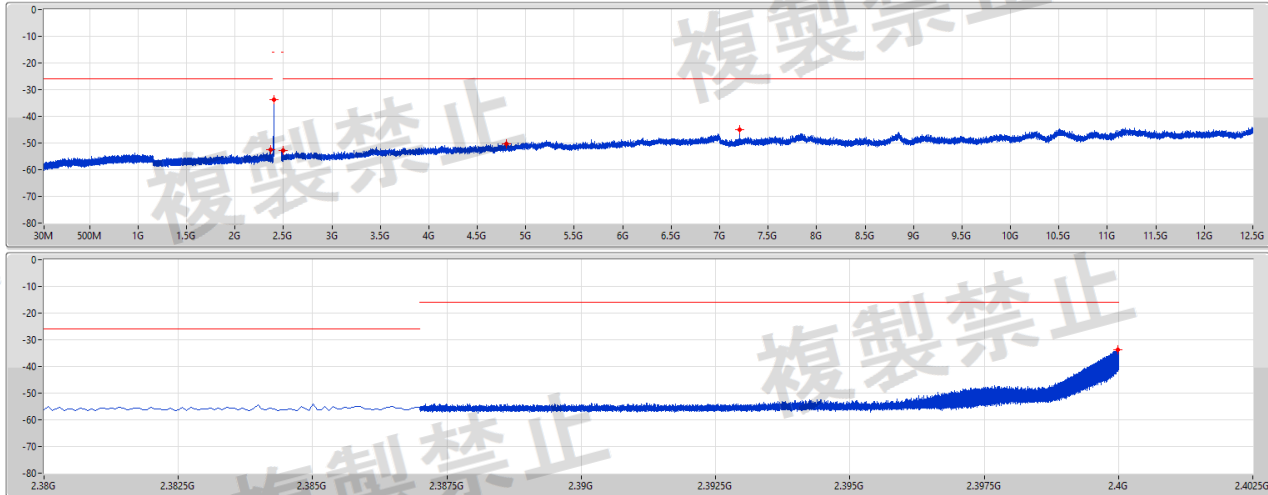


2.4-2.4835GHz_GFSK

CSE-TX-DTS

2402MHz_TnomVnom

24/06/2026



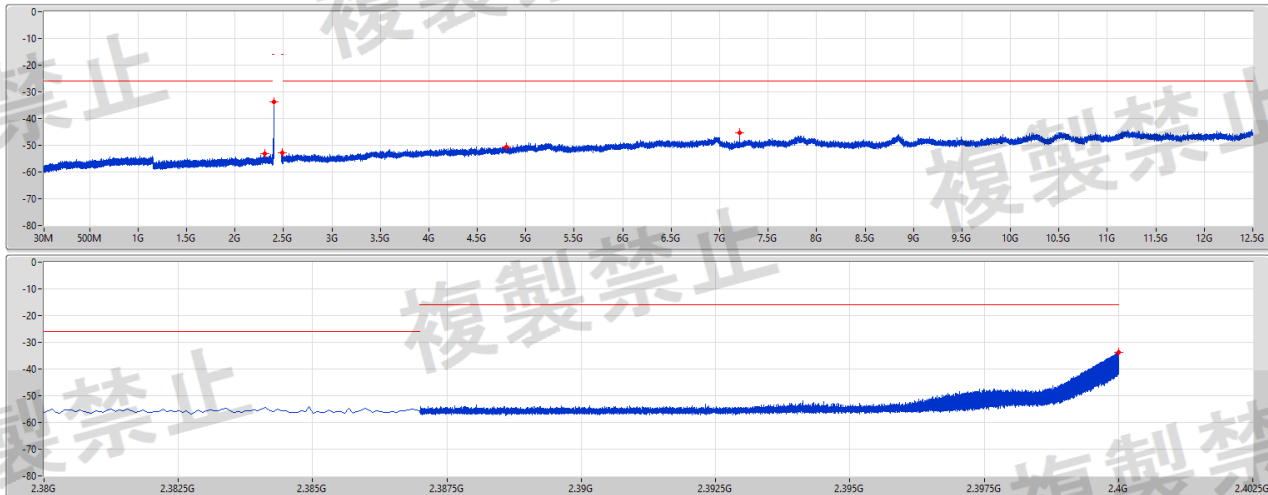
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.3638G	-52.54	-26.02	-26.52	-52.54
2.387G	2.4G	2.39999G	-33.79	-16.02	-17.77	-33.79
2.4835G	2.4965G	2.49628G	-52.82	-16.02	-36.80	-52.82
2.4965G	12.5G	4.80387G	-50.38	-26.02	-24.36	-50.38
2.4965G	12.5G	7.20596G	-44.98	-26.02	-18.96	-44.98

2.4-2.4835GHz_GFSK

CSE-TX-DTS

2402MHz_TnomVmin

24/06/2026



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.30406G	-53.27	-26.02	-27.25	-53.27
2.387G	2.4G	2.4G	-33.80	-16.02	-17.78	-33.80
2.4835G	2.4965G	2.48727G	-52.95	-16.02	-36.93	-52.95
2.4965G	12.5G	4.80387G	-50.59	-26.02	-24.57	-50.59
2.4965G	12.5G	7.20596G	-45.43	-26.02	-19.41	-45.43

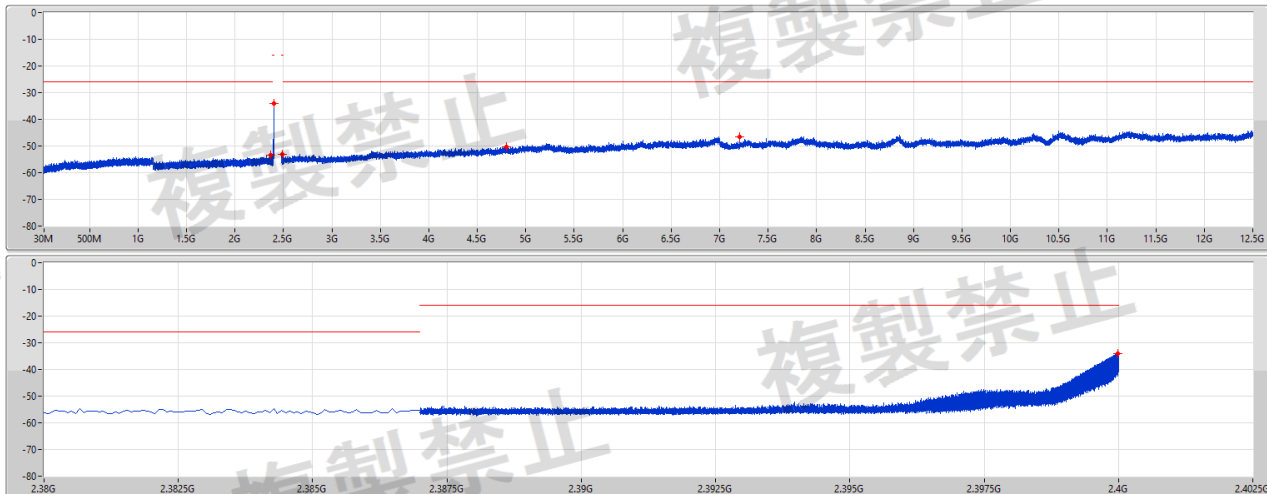


2.4-2.4835GHz_GFSK

CSE-TX-DTS

2402MHz_TnomVmax

24/06/2026



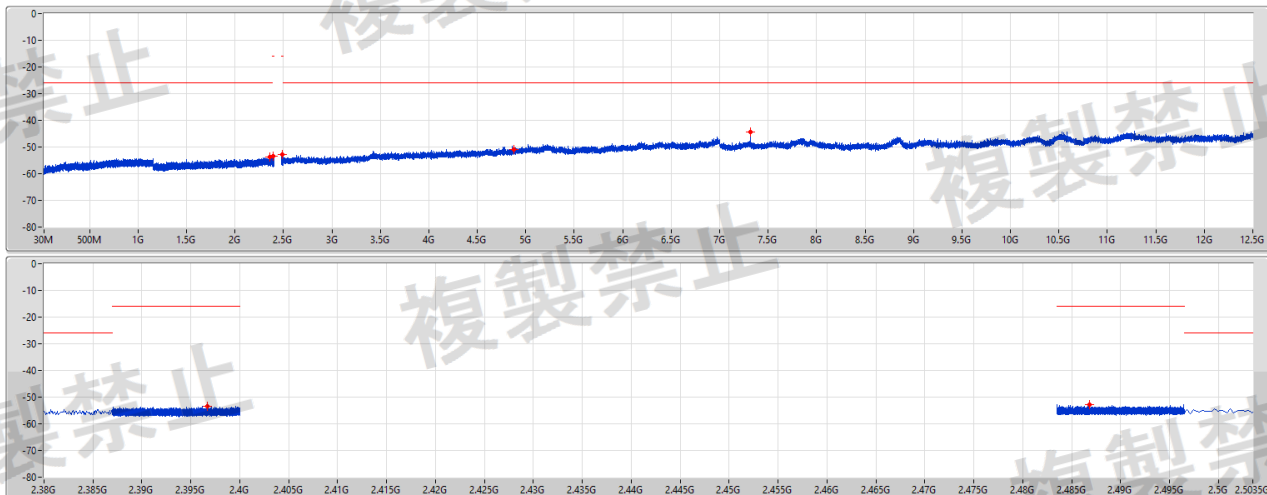
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.36365G	-53.44	-26.02	-27.42	-53.44
2.387G	2.4G	2.39999G	-33.98	-16.02	-17.96	-33.98
2.4835G	2.4965G	2.48536G	-53.13	-16.02	-37.11	-53.13
2.4965G	12.5G	4.80387G	-50.17	-26.02	-24.15	-50.17
2.4965G	12.5G	7.20596G	-46.42	-26.02	-20.40	-46.42

2.4-2.4835GHz_GFSK

CSE-TX-DTS

2440MHz_TnomVnom

24/06/2026



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.36093G	-53.70	-26.02	-27.68	-53.70
2.387G	2.4G	2.39666G	-53.45	-16.02	-37.43	-53.45
2.4835G	2.4965G	2.48681G	-52.86	-16.02	-36.84	-52.86
2.4965G	12.5G	4.80077G	-50.90	-26.02	-24.88	-50.90
2.4965G	12.5G	7.32038G	-44.35	-26.02	-18.33	-44.35

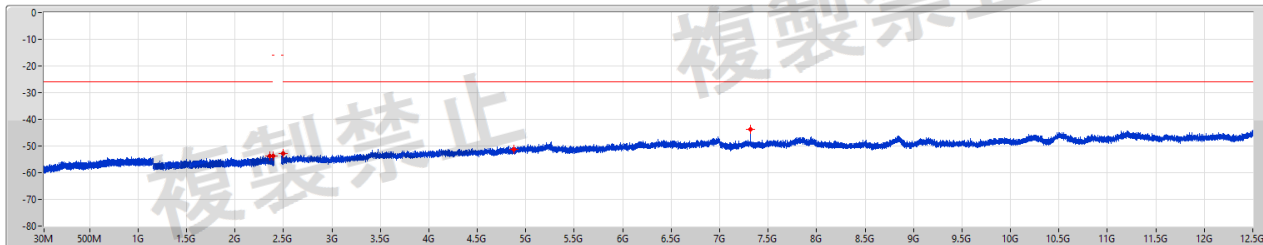


2.4-2.4835GHz_GFSK

CSE-TX-DTS

2440MHz_TnomVmin

24/06/2026



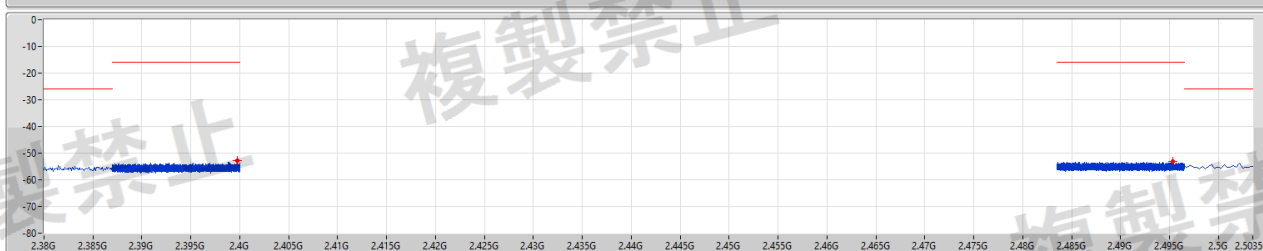
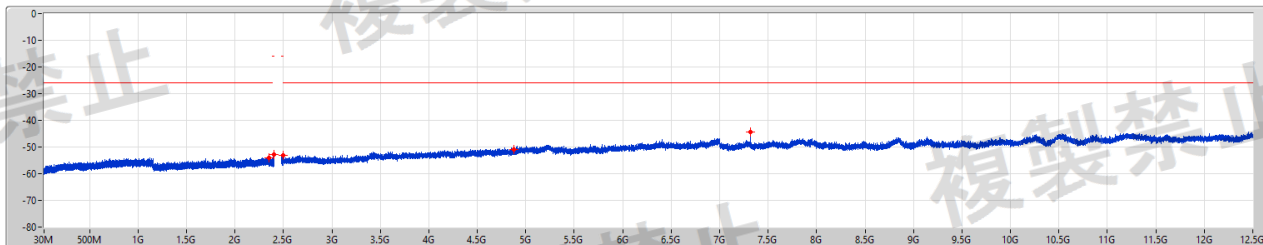
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.36321G	-53.65	-26.02	-27.63	-53.65
2.387G	2.4G	2.39597G	-53.67	-16.02	-37.65	-53.67
2.4835G	2.4965G	2.49448G	-52.92	-16.02	-36.90	-52.92
2.4965G	12.5G	4.87983G	-51.24	-26.02	-25.22	-51.24
2.4965G	12.5G	7.32006G	-43.67	-26.02	-17.65	-43.67

2.4-2.4835GHz_GFSK

CSE-TX-DTS

2440MHz_TnomVmax

24/06/2026



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.35113G	-54.08	-26.02	-28.06	-54.08
2.387G	2.4G	2.39976G	-52.86	-16.02	-36.84	-52.86
2.4835G	2.4965G	2.49536G	-53.26	-16.02	-37.24	-53.26
2.4965G	12.5G	4.87983G	-50.82	-26.02	-24.80	-50.82
2.4965G	12.5G	7.32006G	-44.53	-26.02	-18.51	-44.53

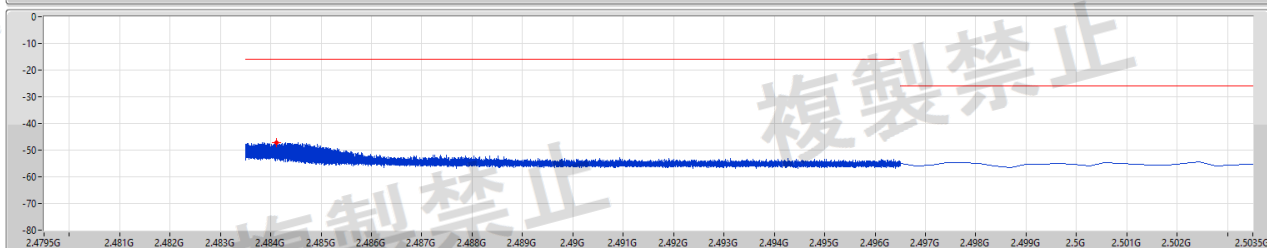
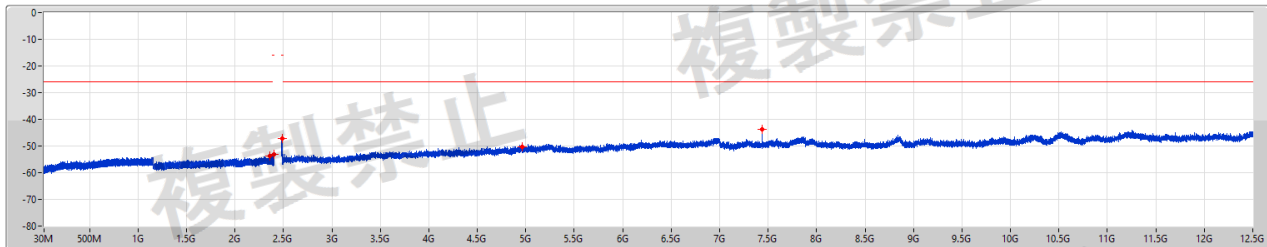


2.4-2.4835GHz_GFSK

CSE-TX-DTS

2480MHz_TnomVnom

24/06/2026



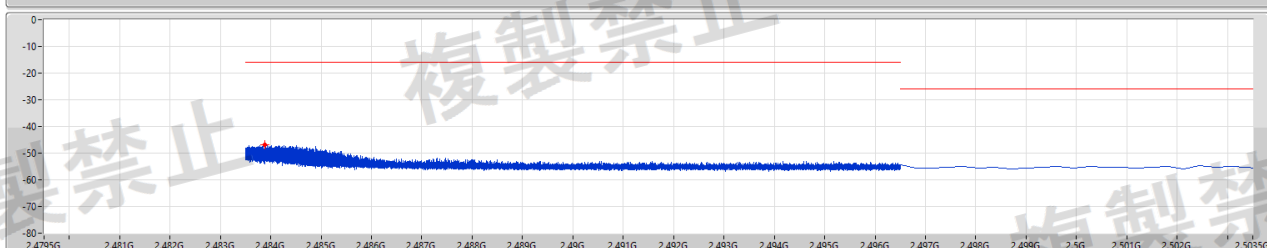
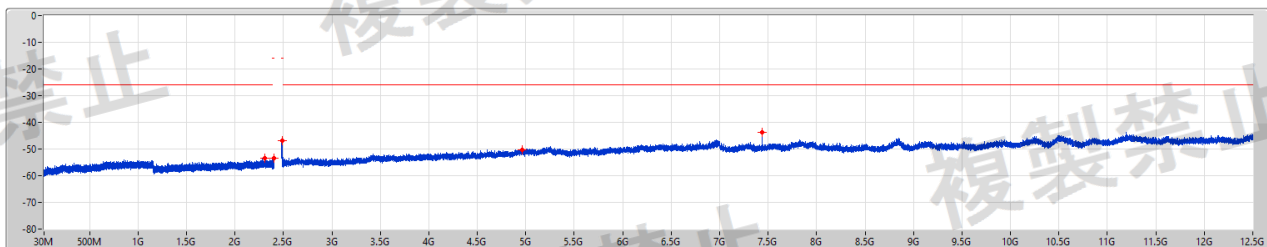
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.3554G	-53.68	-26.02	-27.66	-53.68
2.387G	2.4G	2.3979G	-53.24	-16.02	-37.22	-53.24
2.4835G	2.4965G	2.48411G	-47.04	-16.02	-31.02	-47.04
2.4965G	12.5G	4.95986G	-50.36	-26.02	-24.34	-50.36
2.4965G	12.5G	7.43979G	-43.62	-26.02	-17.60	-43.62

2.4-2.4835GHz_GFSK

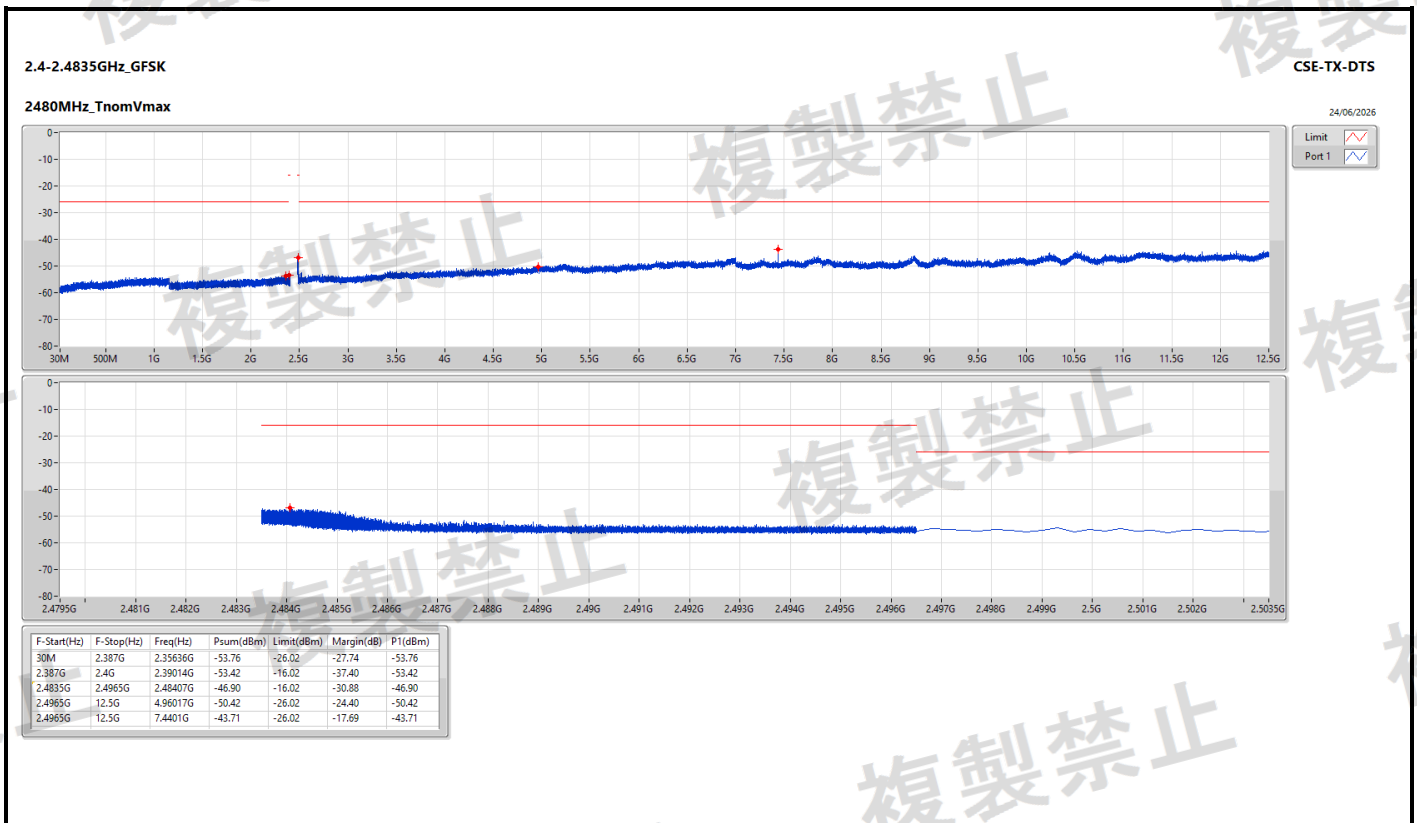
CSE-TX-DTS

2480MHz_TnomVmin

24/06/2026



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	2.387G	2.31158G	-53.41	-26.02	-27.39	-53.41
2.387G	2.4G	2.39943G	-53.42	-16.02	-37.40	-53.42
2.4835G	2.4965G	2.48389G	-46.87	-16.02	-30.85	-46.87
2.4965G	12.5G	4.96017G	-50.34	-26.02	-24.32	-50.34
2.4965G	12.5G	7.43979G	-43.71	-26.02	-17.69	-43.71



**Summary**

Mode	Result	MAC (ID Length)	ID Limit	Function
2.4-2.4835GHz	-	-	-	-
GFSK	Pass	48 bits	48 bits	Good

Result

Mode	Result	MAC (ID Length)	ID Limit	Function
GFSK	-	-	-	-
2402MHz_TnomVnom	Pass	48 bits	48 bits	Good
2402MHz_TnomVmin	Pass	48 bits	48 bits	Good
2402MHz_TnomVmax	Pass	48 bits	48 bits	Good
2440MHz_TnomVnom	Pass	48 bits	48 bits	Good
2440MHz_TnomVmin	Pass	48 bits	48 bits	Good
2440MHz_TnomVmax	Pass	48 bits	48 bits	Good
2480MHz_TnomVnom	Pass	48 bits	48 bits	Good
2480MHz_TnomVmin	Pass	48 bits	48 bits	Good
2480MHz_TnomVmax	Pass	48 bits	48 bits	Good



Receiver Spurious Emissions

Appendix F

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	-	-	-	-	-	-	-	-	-
GFSK	Pass	1G	12.5G	1M	4.82267G	-71.18	0.07621	-46.99	20

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Freq (Hz)	Psum (dBm)	Psum (nW)	Limit (dBm)	Limit (nW)
GFSK	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	30M	1G	100k	769.66M	-88.24	0.0015	-53.98	4
2402MHz_TnomVnom	Pass	1G	12.5G	1M	4.82267G	-71.25	0.07499	-46.99	20
2402MHz_TnomVmin	Pass	30M	1G	100k	634.28M	-89.42	0.00114	-53.98	4
2402MHz_TnomVmin	Pass	1G	12.5G	1M	4.82303G	-71.62	0.06887	-46.99	20
2402MHz_TnomVmax	Pass	30M	1G	100k	777.08M	-87.35	0.00184	-53.98	4
2402MHz_TnomVmax	Pass	1G	12.5G	1M	4.82303G	-71.56	0.06982	-46.99	20
2440MHz_TnomVnom	Pass	30M	1G	100k	945.98M	-89.60	0.0011	-53.98	4
2440MHz_TnomVnom	Pass	1G	12.5G	1M	4.82267G	-71.18	0.07621	-46.99	20
2440MHz_TnomVmin	Pass	30M	1G	100k	941.44M	-89.56	0.00111	-53.98	4
2440MHz_TnomVmin	Pass	1G	12.5G	1M	4.82303G	-71.45	0.07161	-46.99	20
2440MHz_TnomVmax	Pass	30M	1G	100k	939.92M	-88.93	0.00128	-53.98	4
2440MHz_TnomVmax	Pass	1G	12.5G	1M	4.82267G	-71.47	0.07129	-46.99	20
2480MHz_TnomVnom	Pass	30M	1G	100k	725.37M	-88.92	0.00128	-53.98	4
2480MHz_TnomVnom	Pass	1G	12.5G	1M	4.82303G	-71.51	0.07063	-46.99	20
2480MHz_TnomVmin	Pass	30M	1G	100k	775.02M	-88.70	0.00135	-53.98	4
2480MHz_TnomVmin	Pass	1G	12.5G	1M	4.82267G	-71.33	0.07362	-46.99	20
2480MHz_TnomVmax	Pass	30M	1G	100k	777.08M	-88.52	0.00141	-53.98	4
2480MHz_TnomVmax	Pass	1G	12.5G	1M	4.82267G	-71.37	0.07295	-46.99	20

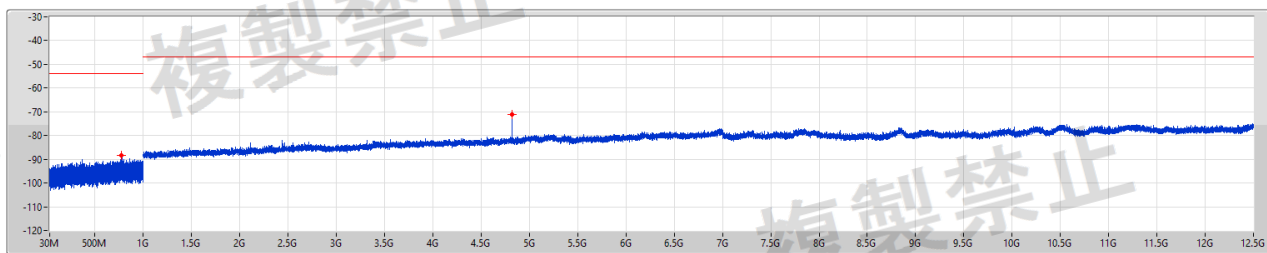


2.4-2.4835GHz_GFSK

CSE-RX-DTS

2402MHz_TnomVnom

24/06/2026



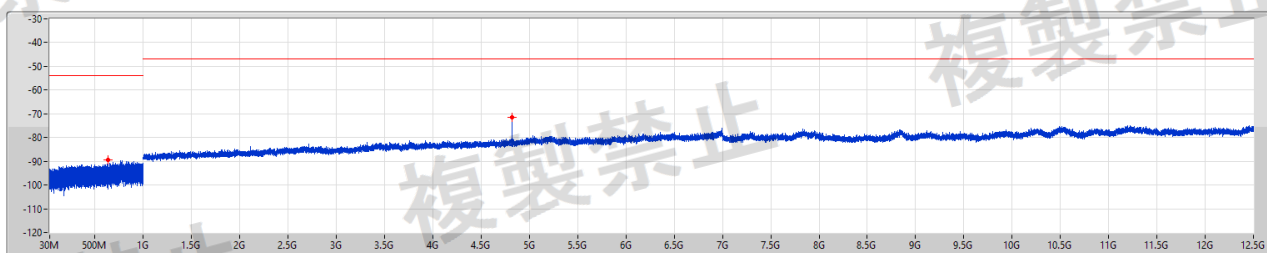
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	769.66M	-88.24	-53.98	-34.26	-88.24
1G	12.5G	4.82267G	-71.25	-46.99	-24.26	-71.25

2.4-2.4835GHz_GFSK

CSE-RX-DTS

2402MHz_TnomVmin

24/06/2026



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	634.28M	-89.42	-53.98	-35.44	-89.42
1G	12.5G	4.82303G	-71.62	-46.99	-24.63	-71.62

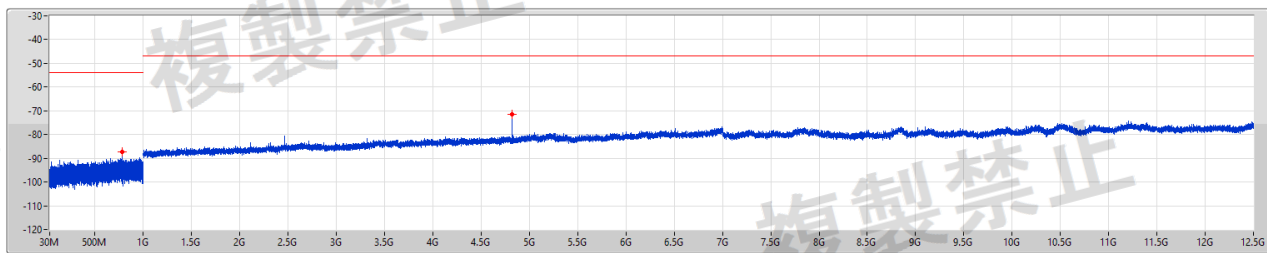


2.4-2.4835GHz_GFSK

CSE-RX-DTS

2402MHz_TnomVmax

24/06/2026

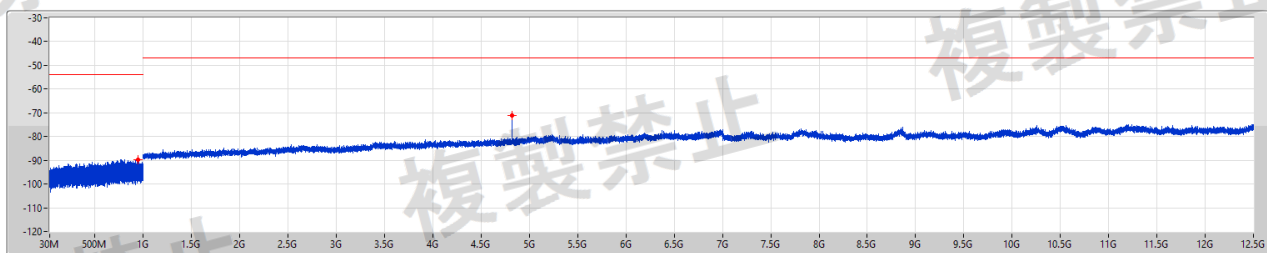


2.4-2.4835GHz_GFSK

CSE-RX-DTS

2440MHz_TnomVnom

24/06/2026



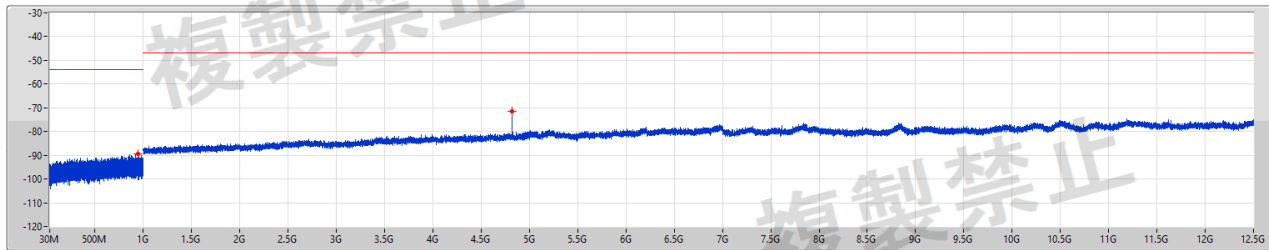


2.4-2.4835GHz_GFSK

CSE-RX-DTS

2440MHz_TnomVmin

24/06/2026



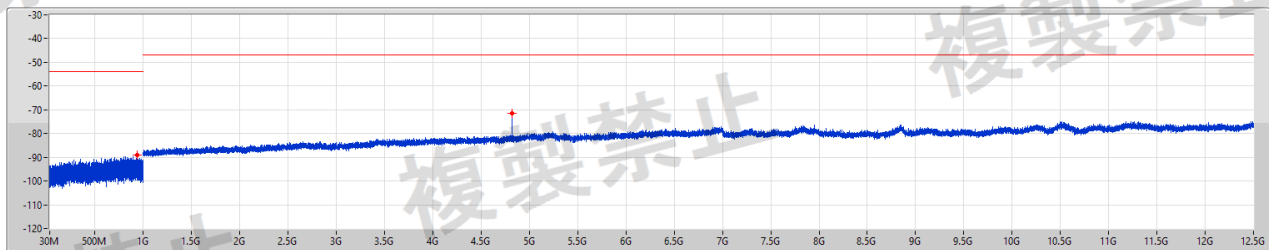
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	941.44M	-89.56	-53.98	-35.58	-89.56
1G	12.5G	4.82303G	-71.45	-46.99	-24.46	-71.45

2.4-2.4835GHz_GFSK

CSE-RX-DTS

2440MHz_TnomVmax

24/06/2026



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	939.92M	-88.93	-53.98	-34.95	-88.93
1G	12.5G	4.82267G	-71.47	-46.99	-24.48	-71.47

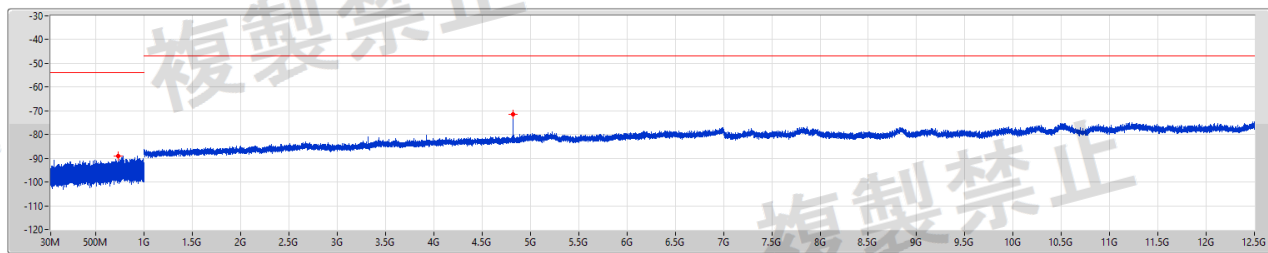


2.4-2.4835GHz_GFSK

CSE-RX-DTS

2480MHz_TnomVnom

24/06/2026



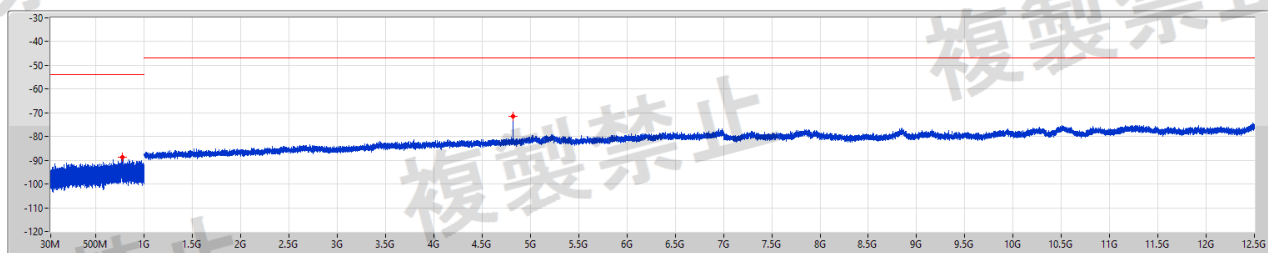
F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	725.37M	-88.92	-53.98	-34.94	-88.92
1G	12.5G	4.82303G	-71.51	-46.99	-24.52	-71.51

2.4-2.4835GHz_GFSK

CSE-RX-DTS

2480MHz_TnomVmin

24/06/2026



F-Start(Hz)	F-Stop(Hz)	Freq(Hz)	Psum(dBm)	Limit(dBm)	Margin(dB)	P1(dBm)
30M	1G	775.02M	-88.70	-53.98	-34.72	-88.70
1G	12.5G	4.82267G	-71.33	-46.99	-24.34	-71.33

