



Report No.: TWN2506678-01E

Applicant: Gourmandise inc.

Product: Wireless Mouse

Model No.: GMD Mouse

Trade Mark: Gourmandise

Test Standards: Article 2 paragraph 1 item (19)
ARIB STD T-66 Ver.3.7. MIC Notice No.88 Appendix No.43

Test Result: It is herewith confirmed and found to comply with the requirements set up by ARIB STD T-66 Ver.3.7 regulations for the evaluation of electromagnetic compatibility

Approved By

Terry Tang



Terry Tang

Manager

Dated: June 30, 2025

Results appearing herein relate only to the sample tested
The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West,
Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



Special Statement:

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

ISED—Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of ISED for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

CAB identifier: CN0033

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Test Report Conclusion

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1.0 General Details

1.1 Test Lab Details

Name : SHENZHEN TIMEWAY TESTING LABORATORIES.
Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road
West, Tong Le Village, Nanshan District, Shenzhen, China
Telephone: (755) 83448688
Fax: (755) 83442996

1.2 Applicant Details

Applicant: Gourmandise inc.
Address: Ikebukuro Chitose Bldg., 1-22-8Nishi-ikebukuro, Toshima-ku Tokyo, 171-0021,
Japan

1.3 Description of EUT

Product: Wireless Mouse
Manufacturer: Shenzhen SQT Electronics Co.,Ltd
Address: ZhengChengFeng TechnologyZone Xinsha Road,ShaYi Village, Sha jing Town,
Baoan Area, Shenzhen, China
Factory: Shenzhen SQT Electronics Co.,Ltd
Address: ZhengChengFeng TechnologyZone Xinsha Road,ShaYi Village, Sha jing Town,
Baoan Area, Shenzhen, China
Trade Mark: Gourmandise
Model Number: GMD Mouse
Additional Model Number: N/A
Hardware version: VER:3.0
Software version: GMD Mouse
Rating: DC1.5V
Battery: 1pc 1.5V AA battery

1.4 Submitted Sample: 2 Samples

1.5 Test Duration: 2025-06-23 to 2025-06-28

1.6 Test Engineer

The sample tested by

Print Name: Andy Xing



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2. List of Measurement Equipment

Name	Model No.	Serial No.	Manufacturer	Calibration Date	Calibration Cycle
EMI Test Receiver	ESVD	100008	RS	2024-07-12	1Year
Coaxial Switch	MP59B	M70585	ANRITSU	N/A	N/A
Amplifier	8447D	2727A05017	HP	2024-07-12	1Year
Bilog Antenna	VULB9163	9163/340	Schwarebeck	2024-07-12	1Year
Horn Antenna	BBHA 9120D	9120D-631	Schwarebeck	2024-07-12	1Year
Horn Antenna	BBHA 9170	BBHA9170265	Schwarebeck	2024-07-12	1Year
Test Receiver	FSP	100836	RS	2024-07-12	1Year
Spectrum	FSIQ26	100292	RS	2024-07-12	1Year
Amplifier	EM-30180	060268	EM	2024-07-12	1Year
Power Meter	ML2487A	6K00003613	Anritsu	2024-07-12	1Year
Power Sensor	MA2491A	32263	Anritsu	2024-07-12	1Year
Signal Generator	N5182A	MY47431282	Agilent	2024-07-12	1Year
DC Power Supply	QJ3005T	--	Harrison	2024-07-12	1Year

Remark: 1. Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

2. Calibration provided: Guangzhou Lisai Calibration and Testing Co.,Ltd

3. Calibration by: Hui Xiao

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3. SUMMARY OF TEST

Test procedures according to the technical standards:

ARIB STD T-66 Ver.3.7			
MIC Notice No.88 Appendix No.43 Artical2, Paragraph 1, Item 19 Rules Section	Test Item	Judgment	Remark
General provisions			
3	Frequency Error	PASS	
4	Occupied Bandwidth and Spread-spectrum Bandwidth/Factor	PASS	
5	Transmitter Spurious Emission and Unwanted Emission Intensity	PASS	
6	Antenna Output Power and Output Power Tolerance	PASS	
7	Receiver Spurious Emission and Unwanted Emission Intensity	PASS	
8	Transmission Antenna Gain	N/A _{Note 1}	
9	Transmission Radiation Angle Width	N/A _{Note 1}	
10	Radio Interference Prevention Capability	Pass	
11	Frequency Hopping Dwell Time	N/A _{Note 2}	
14	Imitation of collateral emission of receiver measurement	PASS	
Note1	Construction Protection Confirmation	PASS	

NOTE:

N/A_{Note 1}: This is not applicable due to the E.I.R.P. <12.14dBm/MHz

N/A_{Note 2}: Testing is only required for FHSS system devices

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4 TEST FACILITY

4.1 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	$\pm 3.6\text{dB}$
2	RF power, conducted	$\pm 0.16\text{dB}$
3	Spurious emissions, conducted	$\pm 0.21\text{dB}$
4	All emissions, radiated(<1G)	$\pm 4.7\text{dB}$
5	All emissions, radiated(>1G)	$\pm 5.2\text{dB}$

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5. GENERAL INFORMATION

5.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless Mouse	
Model Name	GMD Mouse	
Trade Mark	Gourmandise	
Product Description	The EUT is Wireless Mouse	
	Operation Frequency:	2402~2480 MHz
	Modulation Type:	GFSK
	Number Of Channel	40
	Channel Spacing	2MHz
	Antenna Designation:	PCB Antenna
	Antenna Gain (Peak)	2.34dBi (Maximum)
Input Voltage:	DC1.5V	
Adapter	N/A	
Battery	1pc 1.5V AA battery	
Hardware Version	VER:3.0	
Software Version	GMD Mouse	

Note:

- For a more detailed features description, please refer to the manufacturer’s specifications or the User’s Manual.
-

Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	GMD Mouse	PCB Antenna	N/A	2.34 (Max.)	N/A

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5.2 DESCRIPTION OF TEST MODES

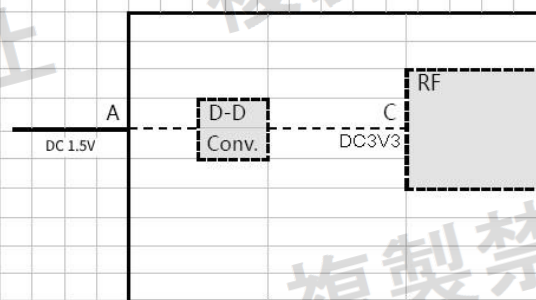
To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Test Items	Mode	Data Rate	Channel
Frequency Error	Un-nodulation	--	All
Occupied Bandwidth and Spread-spectrum Bandwidth	Keep Transmitting	--	All
Unwanted Emission Intensity	Keep Transmitting	--	All
Antenna Power Error	Keep Transmitting	--	All
Transmission Antenna Gain	Keep Transmitting	--	All
Transmission Radiation Angle Width	Keep Transmitting	--	All
Radio Interference Prevention Capability	Keep Transmitting	--	All
Carrier Sense Capability	Keep Transmitting	--	All

5.3 TEST CONDITIONS

Power supply:

The EUT has the input voltage to the circuit of RF unit complies with output voltage limitation ($\pm 1\%$) against input voltage fluctuation ($\pm 10\%$). So, all measurements were conducted at only rated voltage DC 1.5V.



Test below:

1: The fluctuation of C point is under $\pm 1\%$, when input voltage from A point to the test equipment is fluctuated by $\pm 10\%$.

The measurement result of the voltage fluctuation at RF circuit when DC1.5V $\pm 10\%$

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DC1.5V	DC3V3
1.5V	3.33V
1.65V	3.33V
1.35V	3.33V

Pre-test the EUT in all voltage mode at the DC 1.5V, DC 1.65V and DC1.35V and conducted to determine the worst-case mode, only the worst-case results (DC 1.5V) are recorded in this report.

The EUT has the input voltage to the circuit of RF unit complies with output voltage limitation ($\pm 1\%$) against input voltage fluctuation ($\pm 10\%$). So, all measurements were conducted at only rated voltage DC 1.5V.

- Temperature:** 25.0 -35.0 °C
- Humidity:** 30-60 % RH
- Atmospheric Pressure:** 1000 -1010 mbar
- Test frequencies:** If the EUT can be set to 3 of more different (carrier) frequencies in 1 allocated band, testing shall be performed using the Lowest, Middle and the Highest frequency (L, M and H). If there are 2 or fewer frequencies, testing shall be performed with the available frequencies.

Voltage Fluctuation Test	Normal Voltage	High Voltage	Low Voltage
DC Power	1.5V	1.35V	1.65V

Note: 1. During the test, the input supply voltage to the EUT from the external power source is varied.

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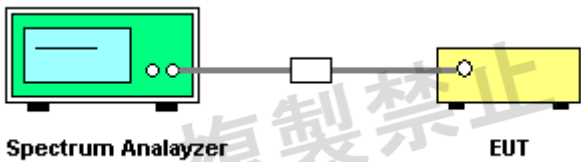
5.4 Table of Parameters of Text Software Setting

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS

Test software Version	Test program: N/A		
Frequency	2402 MHz	2440 MHz	2480 MHz
Parameters	DEF	DEF	DEF

5.5 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Mode :



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5.6 DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Brand	Model/Type No.	Series No.	Note
E-1	Wireless Mouse	Gourmandise	GMD Mouse	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

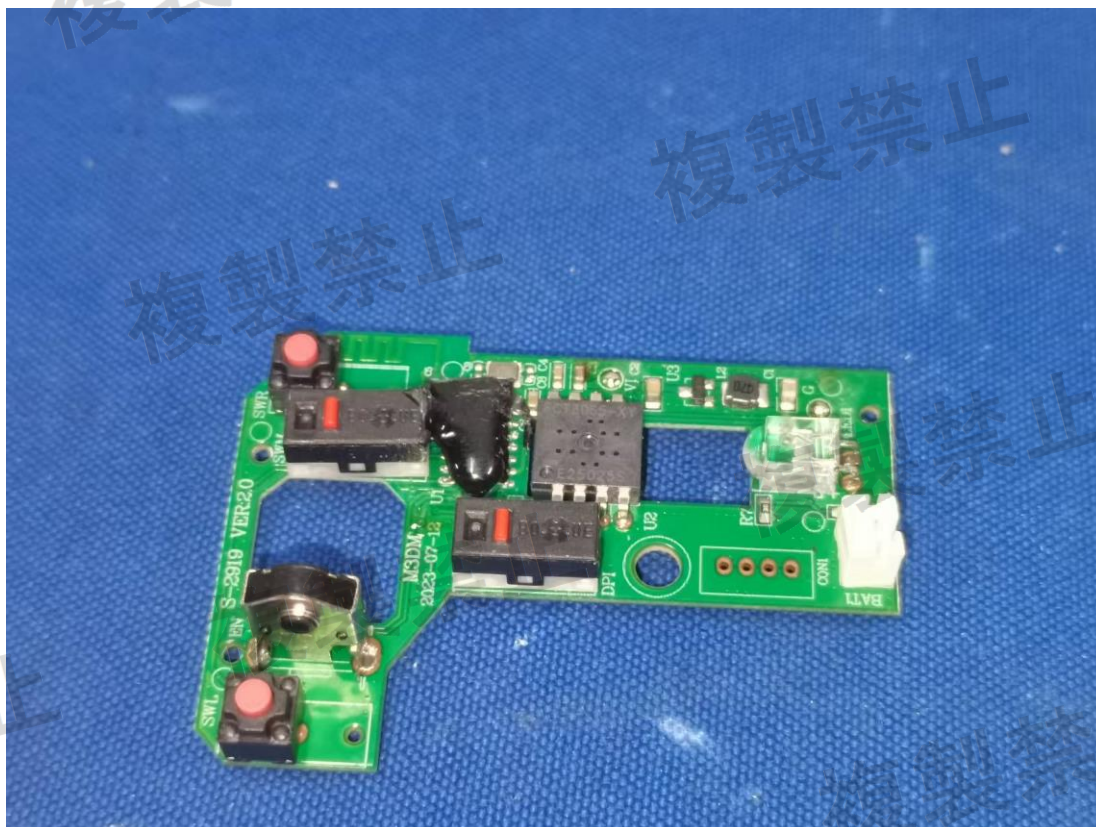
- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.

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6. RF SHIELDING METHOD

We apply the product for Japan RF certification. RF and Modulation components are fixed by the glue. It is not easily removed. Please refer to following for photo for details.



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7. FREQUENCY ERROR

7.1 LIMIT

Item	Limits
Frequency Error	$\pm 50\text{ppm}$

7.2 MEASURING INSTRUMENTS AND SETTING

The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	10kHz/30kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto
Span	75kHz

7.3 TEST PROCEDURES

- (1) In the case of unmodulated signal (continuous or continuous burst), measure the frequency directly by a frequency meter.
 - (2) In the case of burst waves, the measurement shall be done for enough time in order to obtain the enough measuring accuracy, and the average of the measured values becomes the final value.
 - (3) In the case of a test mode with a specific frequency spectrum, measure the frequency of the specific spectrum by a spectrum analyzer.
 - (4) In the cases above, if the frequency equivalent to the test frequency is not directly measured in principle, it shall be obtained by necessary calculation.
- In the case of modulated signal, if there is no specific spectrum measurable by a spectrum analyzer but a specific dip is observed, it is allowed to measure the frequency with the signal generator (synthesized). That is, observe a signal of the signal generator concurrently (or alternately) with the tested signal using the

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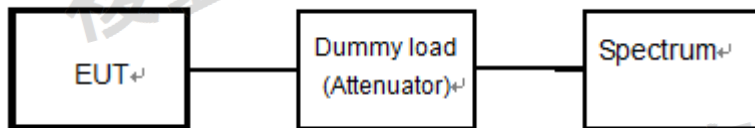
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spectrum analyzer while setting the frequency of the signal generator to the position of the dip on the screen of the spectrum analyzer, and determine the frequency of the signal generator at the time as a measured value.

7.4 TEST SETUP LAYOUT



Note: Pre-test the EUT in all voltage mode at the DC1.5V, DC1.65V and DC1.35V and conducted to determine the worst-case mode, only the worst-case results (DC1.5V) are recorded in this report.

The EUT has the input voltage to the circuit of RF unit complies with output voltage limitation ($\pm 1\%$) against input voltage fluctuation ($\pm 10\%$). So, all measurements were conducted at only rated voltage DC1.5V.

Temperature: 25°C
Humidity: 55 % RH

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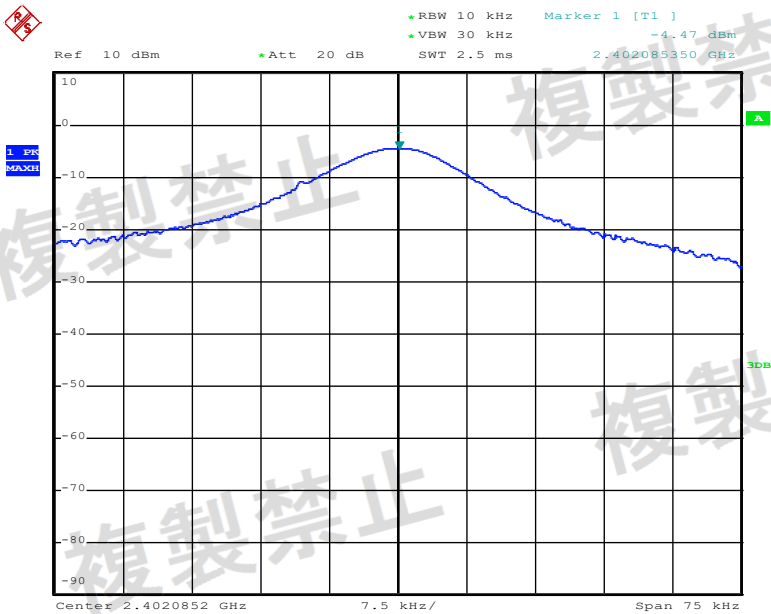
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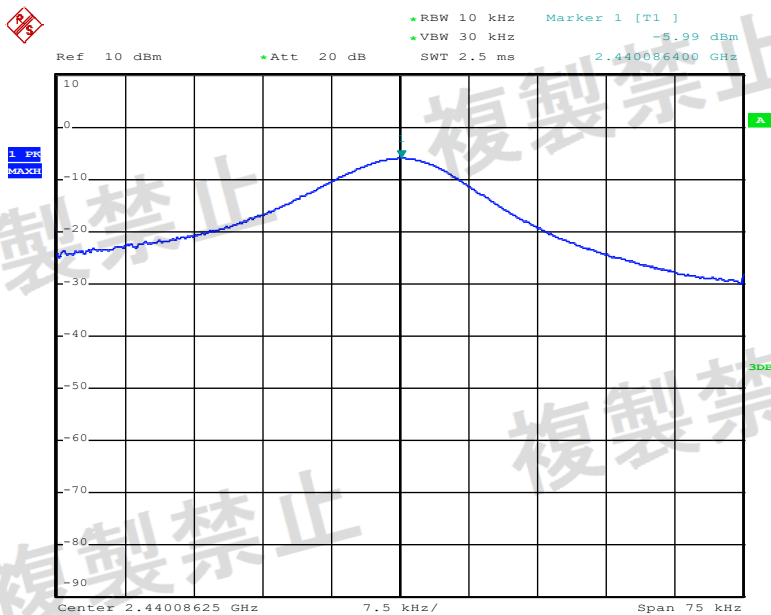
7.5 TEST RESULT

Frequency	Reading	Tolerance	Limit	Remark
MHz	MHz	ppm	(ppm)	
2402	2402.08535	35.533	±50	Normal Voltage: DC1.5V
2440	2440.0864	35.410	±50	
2480	2480.08775	35.383	±50	

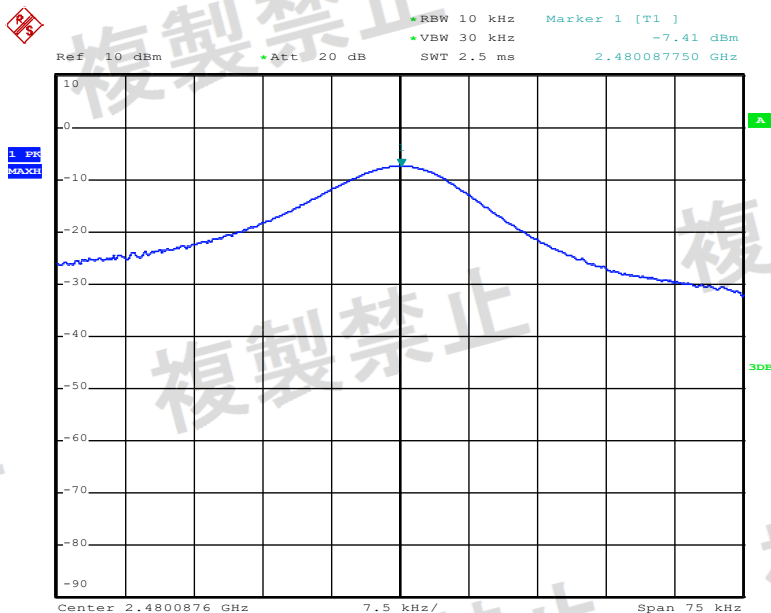


Date: 27.JUN.2025 10:56:55

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Date: 27.JUN.2025 11:00:06



Date: 27.JUN.2025 11:03:45

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8. ANTENNA POWER

8.1 LIMIT

Item	Limits
Antenna Power Density	$\leq 3\text{mW/MHz}$ (FH form 2427 - 2470.75 MHz) $\leq 10\text{mW/MHz}$ (OFDM,DS from 2400~2483.5MHz) $\leq 10\text{mW}$ (Other from 2400~2483.5MHz)
Antenna Power Error	+20%, -80% (Base on manufacturer declare antenna power density)

8.2 TEST PROCEDURES

1. Step 1:

Connect the UUT to the spectrum analyzer as TEST CONFIGURATION and use the following settings:

- Centre Frequency: The centre frequency of the channel under test.
- RBW: 3 MHz
- VBW: 3 MHz
- Span: Wide enough to cover the complete power envelope of the signal of the UUT.
- Detector: Peak
- Trace Mode: Max Hold

Step 2:

When the trace is complete, find the peak value of the power envelope and record the frequency. Center frequency:

Step 3: Make the following changes to the settings of the spectrum analyser:

- Centre Frequency: Equal to the frequency recorded in step 2.
- Span: 10 MHz • RBW: 3 MHz • VBW: 3 MHz
- Detector: PK
- Trace Mode: Max Hold

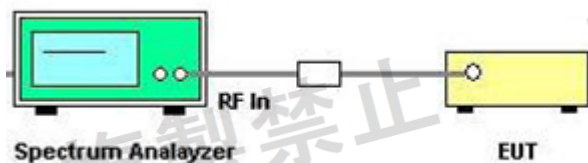
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8.3 TEST SETUP LAYOUT



8.4 EST DEVIATION

There is no deviation with the original standard.

Note: Pre-test the EUT in all voltage mode at the DC1.5V, DC1.65V and DC1.35V and conducted to determine the worst-case mode, only the worst-case results (DC1.5V) are recorded in this report.

The EUT has the input voltage to the circuit of RF unit complies with output voltage limitation ($\pm 1\%$) against input voltage fluctuation ($\pm 10\%$). So, all measurements were conducted at only rated voltage DC1.5V.

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8.5 TEST RESULT

EUT:	Wireless Mouse	Test Date:	June 26, 2025
Temperature:	25 ⁰ C	Tested by:	Andy
Humidity:	55 % RH	Test Voltage	DC1.5V(Normal)
Operation Mode:	Keep Transmitting		

Manufacturer declared the conducted power density=0.5mW

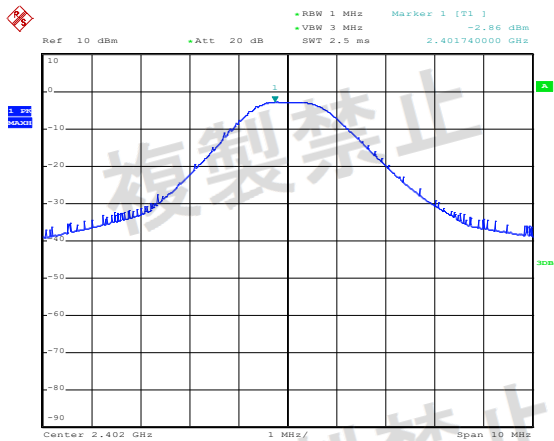
Channel	Frequency (MHz)	Antenna Power PD (dBm)	Antenna Power PD (mW)	Antenna Power Error	Verdict	EIRP (dBm)	EIRP (mW)
Low	2402	-2.86	0.518	3.60%	Pass	-0.52	0.887
Mid	2440	-4.28	0.373	-25.4%	Pass	-1.94	0.640
High	2480	-5.65	0.272	-45.6%	Pass	-3.31	0.467

Note: EIRP= Antenna Power + Antenna Gain

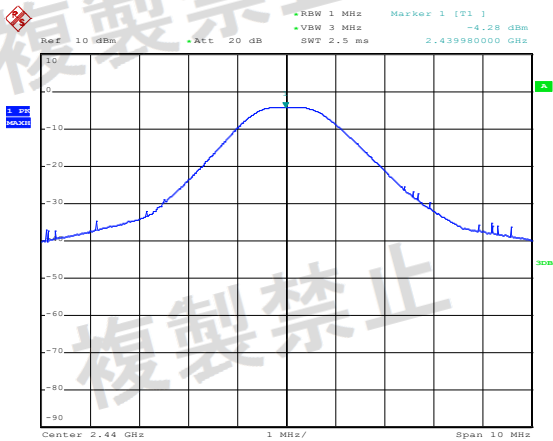
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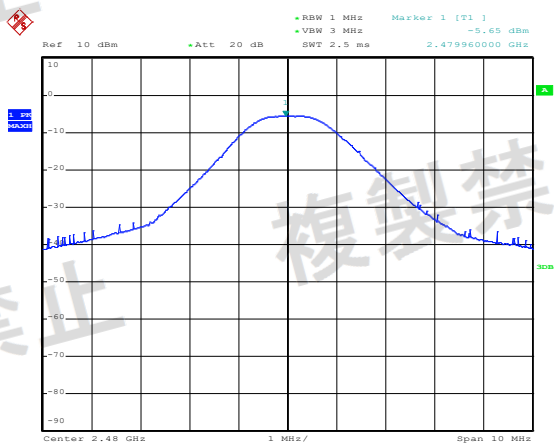
Test Plots:



Date: 26.JUN.2025 18:48:15



Date: 26.JUN.2025 18:48:50



Date: 26.JUN.2025 18:49:19

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9. OCCUPIED BANDWIDTH (99%) and Spreading Bandwidth (90%)

Limit:

- Occupied bandwidth: $FH \leq 83.5 \text{ MHz}$; $OFDM \leq 38 \text{ MHz}$, $DS \leq 26 \text{ MHz}$
- Spread Bandwidth: $\geq 500 \text{ kHz}$, Spread factor ≥ 5

Test Configure



Test Procedure:

1. Setting of SA is following as follow:
RBW: 100 kHz
VBW: 300 kHz
Sweep time: Auto
Sweep Mode: Continuous sweep
Detect mode: Positive peak
Trace mode: Max hold
2. EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 99% of occupied bandwidth to measure occupied bandwidth.
3. EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 90% of occupied bandwidth to measure spread bandwidth.

Note: Pre-test the EUT in all voltage mode at the DC1.5V, DC1.65V and DC1.35V and conducted to determine the worst-case mode, only the worst-case results (DC1.5V) are recorded in this report.

The EUT has the input voltage to the circuit of RF unit complies with output voltage limitation ($\pm 1\%$) against input voltage fluctuation ($\pm 10\%$). So, all measurements were conducted at only rated voltage DC1.5V.

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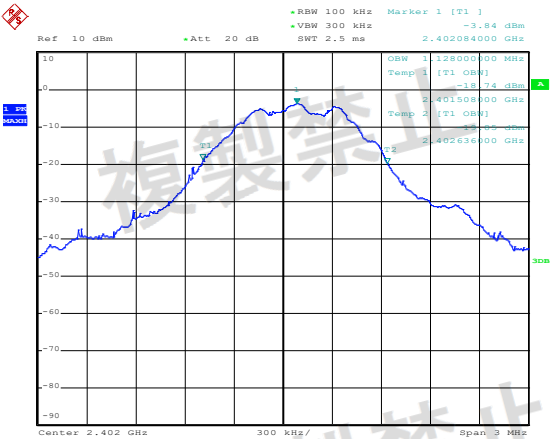
9.1 TEST RESULT

Test voltage(V)	Channel (MHz)	Occupy Bandwidth (MHz)	Limit (MHz)	Result
DC1.5V	2402	1.128	<26	Pass
	2440	1.152		
	2480	1.158		

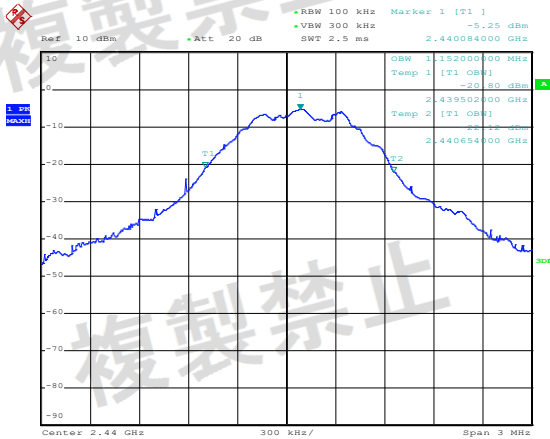
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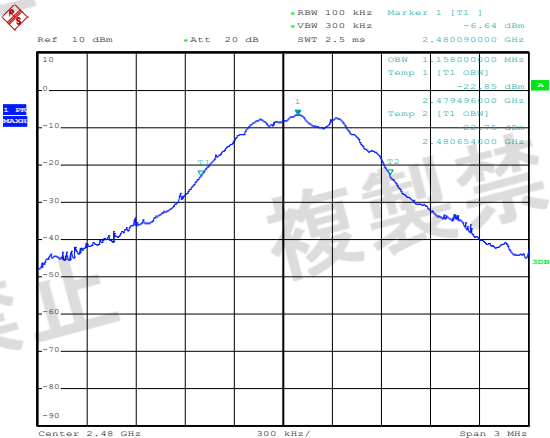
Test Figure:
Normal Voltage



Date: 26.JUN.2025 18:46:14



Date: 26.JUN.2025 18:45:34



Date: 26.JUN.2025 18:44:48

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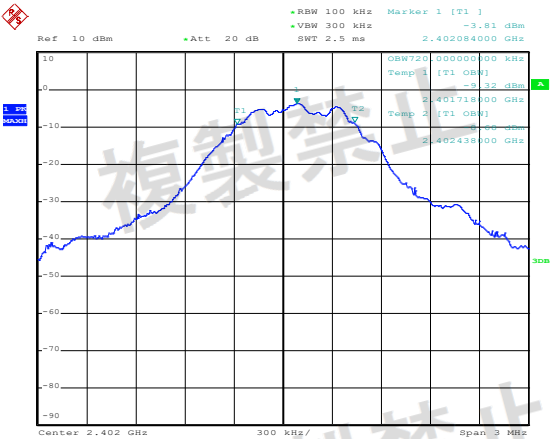


Test voltage(V)	Channel (MHz)	Spread Bandwidth (MHz)	Spread Bandwidth Limit (MHz)	Result
DC1.5V	2402	0.720	>0.5	Pass
	2440	0.726		
	2480	0.726		

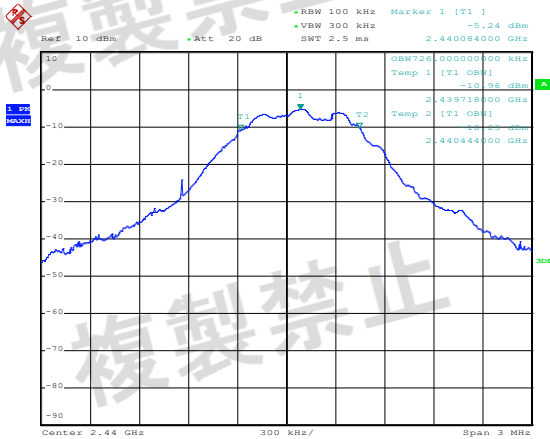
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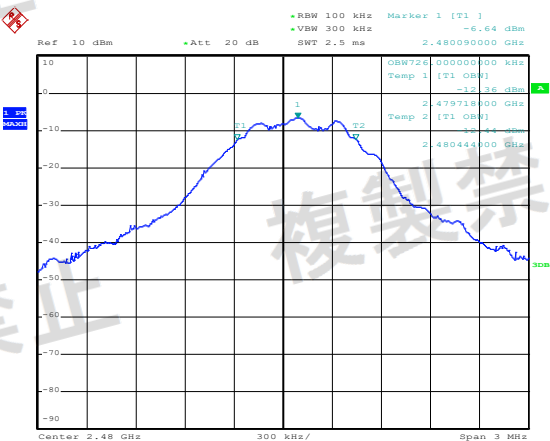
Test Figure:
Normal Voltage



Date: 26.JUN.2025 18:23:50



Date: 26.JUN.2025 18:27:13



Date: 26.JUN.2025 18:34:58

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10. UNWANTED EMISSION INTENSITY MEASUREMENT

10.1 LIMIT

Item	Limits
TX Spurious Emission	$\leq 2.5 \mu\text{W}$ (-26dBm) ($30\text{MHz} \leq f \leq 1000\text{MHz}$)
	$\leq 2.5 \mu\text{W}$ (-26dBm) ($1000\text{MHz} < f \leq 2387\text{MHz}$)
	$\leq 25 \mu\text{W}$ (-16dBm) ($2387\text{MHz} < f \leq 2400\text{MHz}$)
	$\leq 25 \mu\text{W}$ (-16dBm) ($2483.5\text{MHz} \leq f < 2496.5\text{MHz}$)
	$\leq 2.5 \mu\text{W}$ (-26dBm) ($2496.5\text{MHz} \leq f < 12500\text{MHz}$)

10.2. MEASURING INSTRUMENTS AND SETTING

Please refer to section 5 in this report. The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	1 MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

10.3. TEST PROCEDURES

- EUT have transmitted the maximum modulation signal and fixed channelize.
- Setting of SA is following as:
RB: 1MHz / VB: 1MHz / AT: 10dB Ref: 0dBm / Sweep time: Auto
Sweep Mode: Continuous sweep / Detect mode: Positive peak
Trace mode: Max hold
- Setting of SA is following as 30MHz and stop frequency 2387MHz Then to mark peak reading value + cable loss shall be less than 2.5μW.

The report refers only to the sample tested and does not apply to the bulk.

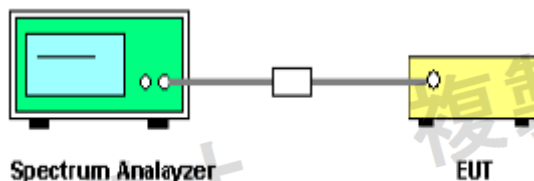
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4. SA adjusted to start frequency 2387MHz and stop frequency 2400MHz. Then to mark peak reading value + cable loss shall be less than 25 μ W.
5. SA adjusted to start frequency 2483.5MHz and stop frequency 2496.5MHz Then to mark peak reading value + cable loss shall be less than 25 μ W
6. SA adjusted to start frequency 2496.5MHz and stop frequency 12500MHz Then to mark peak reading value + cable loss shall be less than 2.5 μ W
7. Measure side band spurious as follows: For 2.4GHz band: 2374MHz~2400MHz and 2483.5MHz~2509.5MHz RBW = VBW = 30kHz, Result_Value = Measured_Value + 15.2 [dBm]
8. If the Result_Value is over the requirement, take total sum of 1MHz band centered at the spur frequency like ACLP measurement as Result_Value.

10.4. TEST SETUP LAYOUT



10.5. TEST DEVIATION

There is no deviation with the original standard.

Note: Pre-test the EUT in all voltage mode at the DC1.5V, DC1.65V and DC1.35V and conducted to determine the worst-case mode, only the worst-case results (DC1.5V) are recorded in this report.

The EUT has the input voltage to the circuit of RF unit complies with output voltage limitation ($\pm 1\%$) against input voltage fluctuation ($\pm 10\%$). So, all measurements were conducted at only rated voltage DC1.5V.

Temperature: 250C

Humidity: 55 % RH

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10.6. TEST RESULT

EUT:	Wireless Mouse	Test Date:	June 26, 2025
Temperature:	25°C	Tested by:	Andy
Humidity:	56 % RH	Test Voltage	DC1.5V(Normal)
Operation Mode:	Keep Transmitting at 2402MHz		

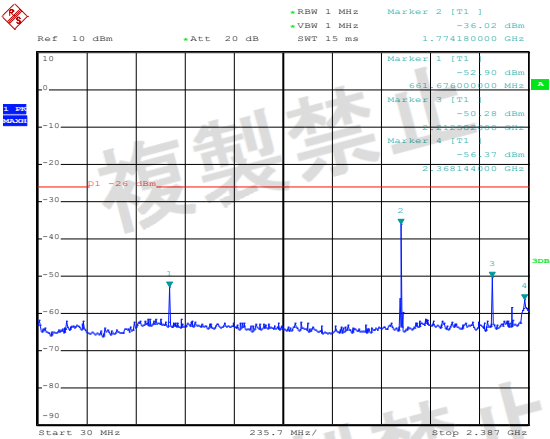
Test Data:

Test Data of Unwanted Emissions Strength							
Volage	Channel	Frequency Range (MHz)	Frequency (MHz)	Result (dBm/MHz)	Result (μ W/MHz)	Limit (μ W/MHz)	P/F
NV	2402	30-2387	1774.180000	-36.02	0.250	2.5	Pass
NV	2402	30-2387	661.6760000	-52.90	0.00513	2.5	Pass
NV	2402	30-2387	2212.582000	-50.28	0.00938	2.5	Pass
NV	2402	30-2387	2368.144000	-56.37	0.00231	2.5	Pass
NV	2402	2387-2400	2400.000000	-25.75	2.66073	25	Pass
NV	2402	2483.5-2496.5	2486.230000	-60.47	0.00089	25	Pass
NV	2402	2496.5-12500	9618.992000	-45.90	0.02570	2.5	Pass
NV	2402	2496.5-12500	2576.528000	-46.90	0.02042	2.5	Pass
NV	2402	2496.5-12500	7198.145000	-47.36	0.01837	2.5	Pass

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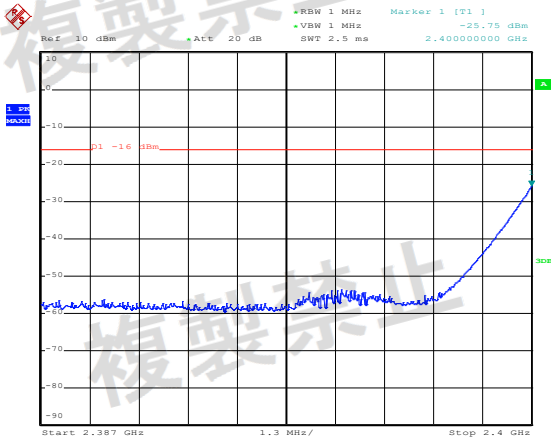


2402MHz (30 MHz ≤ f ≤ 2387 MHz)



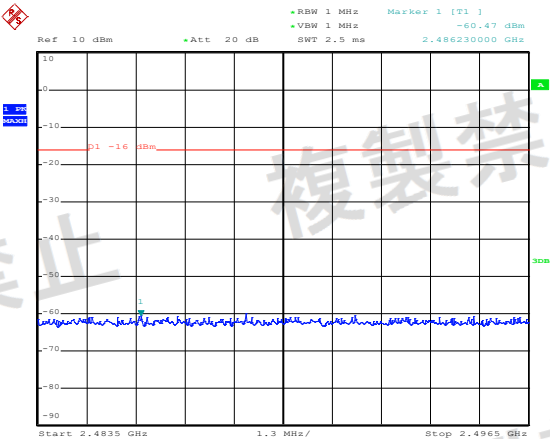
Date: 27.JUN.2025 11:27:34

2402MHz (2387 MHz < f ≤ 2400 MHz)



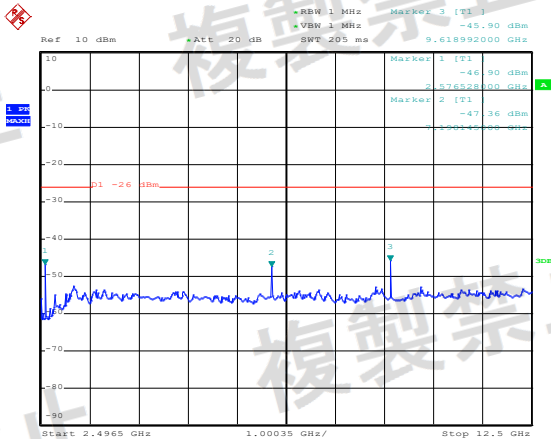
Date: 27.JUN.2025 11:20:49

2402MHz (2483.5 MHz < f ≤ 2496.5 MHz)



Date: 27.JUN.2025 11:21:18

2402MHz (2496.5 MHz ≤ f < 12.5GHz)



Date: 27.JUN.2025 11:23:56

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EUT:	Wireless Mouse	Test Date:	June 26, 2025
Temperature:	25°C	Tested by:	Andy
Humidity:	56 % RH	Test Voltage	DC1.5V(Normal)
Operation Mode:	Keep Transmitting at 2440MHz		

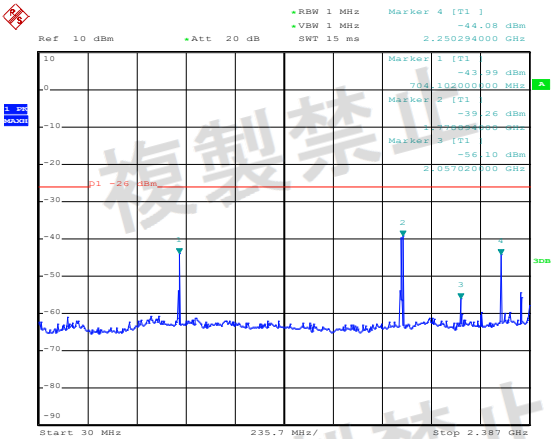
Test Data:

Test Data of Unwanted Emissions Strength							
Volage	Channel	Frequency Range (MHz)	Frequency (MHz)	Result (dBm/MHz)	Result (μW/MHz)	Limit (μW/MHz)	P/F
NV	2440	30-2387	2250.294000	-44.08	0.03908	2.5	Pass
NV	2440	30-2387	704.1020000	-43.99	0.03990	2.5	Pass
NV	2440	30-2387	1778.894000	-39.26	0.11858	2.5	Pass
NV	2440	30-2387	2057.020000	-56.10	0.00245	2.5	Pass
NV	2440	2387-2400	2399.194000	-49.61	0.01094	25	Pass
NV	2440	2483.5-2496.5	2484.592000	-52.28	0.00592	25	Pass
NV	2440	2496.5-12500	2616.542000	-48.07	0.01559	2.5	Pass
NV	2440	2496.5-12500	7318.187000	-47.56	0.01754	2.5	Pass
NV	2440	2496.5-12500	9759.041000	-45.40	0.02884	2.5	Pass

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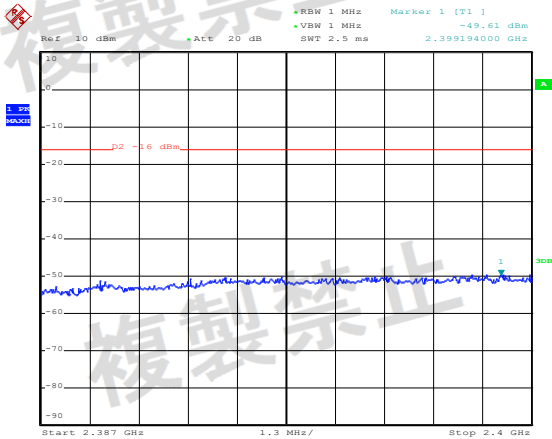


2440MHz (30 MHz ≤ f ≤ 2387 MHz)



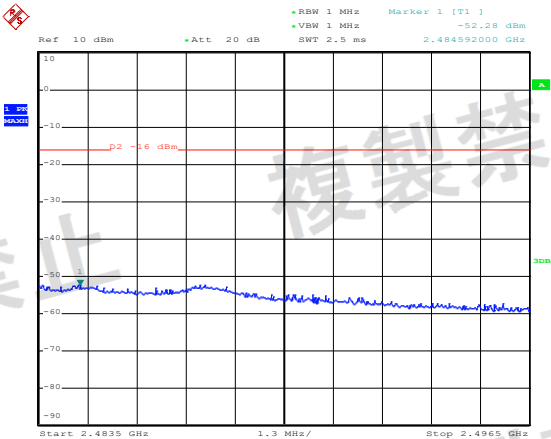
Date: 27.JUN.2025 11:41:50

2440MHz (2387 MHz < f ≤ 2400 MHz)



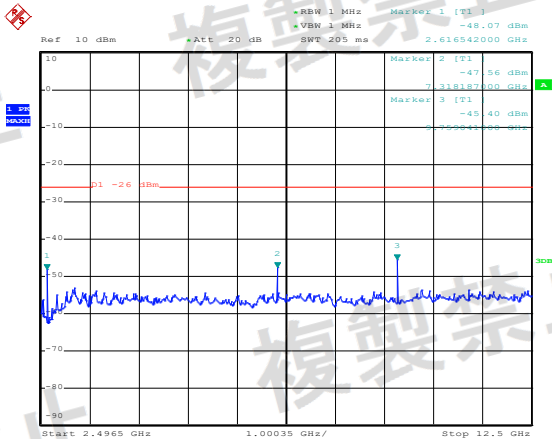
Date: 27.JUN.2025 11:29:49

2440MHz (2483.5 MHz < f ≤ 2496.5 MHz)



Date: 27.JUN.2025 11:31:40

2440MHz (2496.5 MHz ≤ f < 12.5GHz)



Date: 27.JUN.2025 11:39:35

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EUT:	Wireless Mouse	Test Date:	June 26, 2025
Temperature:	25°C	Tested by:	Andy
Humidity:	56 % RH	Test Voltage	DC1.5V(Normal)
Operation Mode:	Keep Transmitting at 2480MHz		

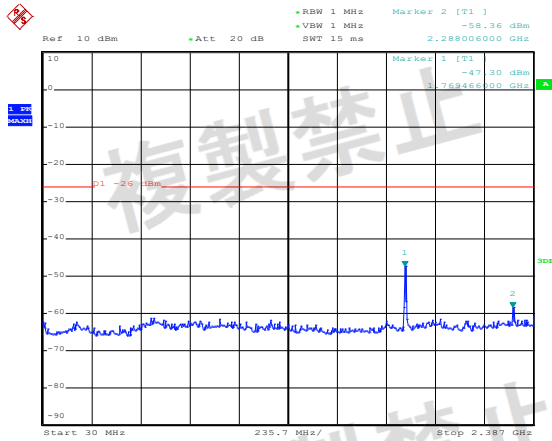
Test Data:

Test Data of Unwanted Emissions Strength							
Volage	Channel	Frequency Range (MHz)	Frequency (MHz)	Result (dBm/MHz)	Result (μW/MHz)	Limit (μW/MHz)	P/F
NV	2480	30-2387	2288.006000	-58.36	0.00146	2.5	Pass
NV	2480	30-2387	1769.466000	-47.30	0.01862	2.5	Pass
NV	2480	2387-2400	2389.080000	-60.45	0.00090	25	Pass
NV	2480	2483.5-2496.5	2483.500000	-47.93	0.01611	25	Pass
NV	2480	2496.5-12500	9919.097000	-52.04	0.00625	2.5	Pass
NV	2480	2496.5-12500	3176.738000	-45.24	0.02992	2.5	Pass

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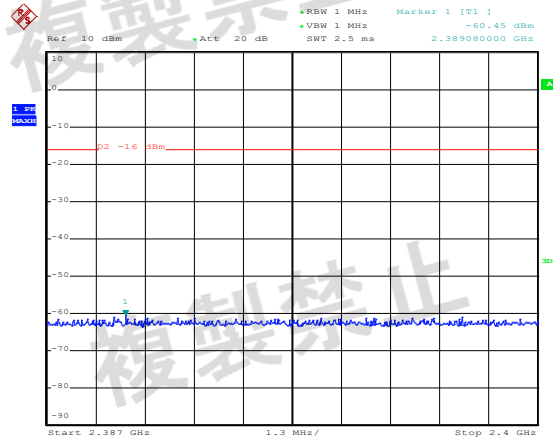


2480MHz (30 MHz $\leq f \leq$ 2387 MHz)



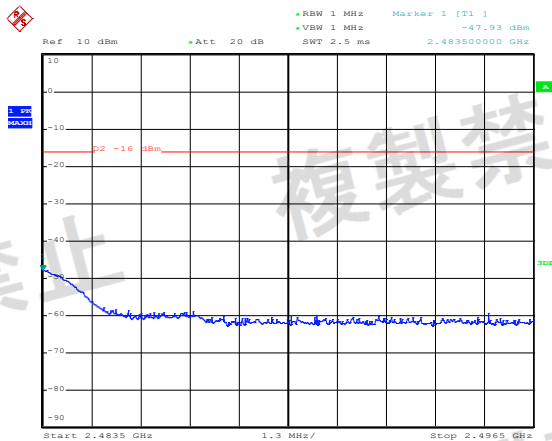
Date: 27.JUN.2025 11:44:30

2480MHz (2387 MHz < f $\leq$ 2400 MHz)



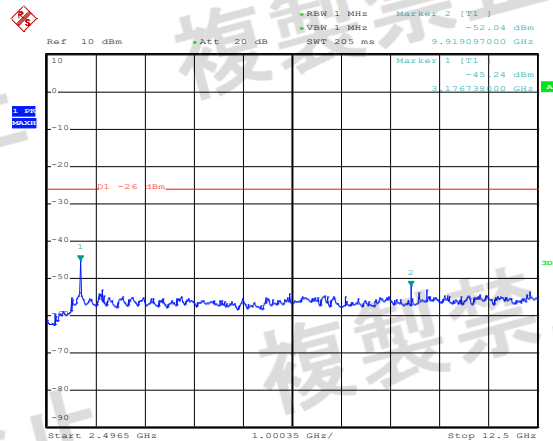
Date: 27.JUN.2025 11:42:35

2480MHz (2483.5 MHz < f $\leq$ 2496.5 MHz)



Date: 27.JUN.2025 11:43:13

2480MHz (2496.5 MHz $\leq f <$ 12.5GHz)



Date: 27.JUN.2025 11:44:01

Note: the maximum cable loss is 0.5dBi. The test level (reading level + cable loss) is less than the limit.

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11. IMITATION OF COLLATERAL EMISSION OF RECEIVER
MEASUREMENT

11.1 LIMIT

Item	Limits
RX Spurious Emission:	$\leq 4\text{nW}(-54\text{dBm}) (f<1\text{GHz})$
	$\leq 20\text{nW} (-47\text{dBm}) (1\text{GHz}\leq f)$

11.2 MEASURING INSTRUMENTS AND SETTING

Please refer to section 5 in this report. The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
VB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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11.3 TEST PROCEDURES

1. EUT have the continuous reception mode and fixed only one channelize.
2. Setting of SA is following as RB / VB: 100 kHz (below 1GHz emissions) / 1 MHz (above 1GHz emissions) / AT: 10dB / Ref: 0dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
3. SA set RB: 100kHz and VB: 100kHz. Then adjust to start frequency 30MHz and stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW
4. SA set RB: 1MHz and VB: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 12500MHz. Search to mark peak reading value + cable loss shall be less than 20nW
5. If power level of lower emissions are more than 1/10 of limit (0.4nW for $f < 1\text{GHz}$, 2nW for $f \geq 1\text{GHz}$), all those are to be indicated in the 2nd and 3rd lines. If others are 1/10 or less more of the limit, no necessary to be indicated.

Note: Pre-test the EUT in all voltage mode at the DC1.5V, DC1.65V and DC1.35V and conducted to determine the worst-case mode, only the worst-case results (DC1.5V) are recorded in this report.

The EUT has the input voltage to the circuit of RF unit complies with output voltage limitation ($\pm 1\%$) against input voltage fluctuation ($\pm 10\%$). So, all measurements were conducted at only rated voltage DC1.5V.

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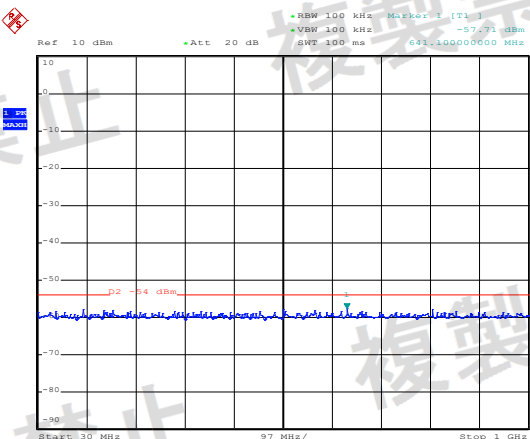
11.4 TEST RESULT

EUT:	Wireless Mouse	Test Date:	June 26, 2025
Temperature:	25°C	Tested by:	Andy
Humidity:	55 % RH	Test Voltage	DC1.5V(Normal)
Operation Mode:	Receiving Mode at 2402MHz		

Test Data:

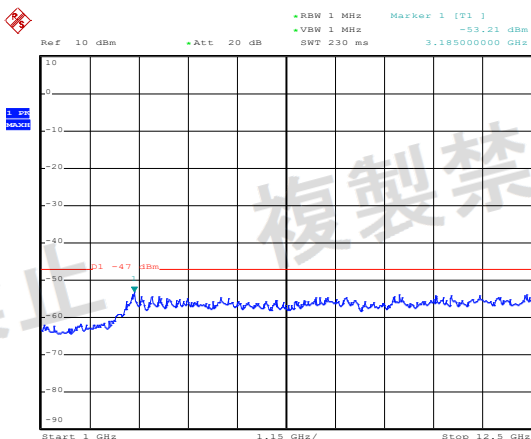
Test Data of Secondary Radiated Emission Strength							
Voltage	Channel	Frequency Range (MHz)	Frequency (MHz)	Result (dBm)	Result (nW)	Limit	P/F
NV	2402	30-1000	641.100000000	-57.71	1.6943	4nW	Pass
NV	2402	1000-12500	3185.000000	-53.21	4.7753	20nW	Pass

2402MHz (30 MHz ≤ f < 1000 MHz)



Date: 27.JUN.2025 11:51:53

2402MHz (1000 MHz ≤ f < 12500 MHz)



Date: 27.JUN.2025 11:53:15

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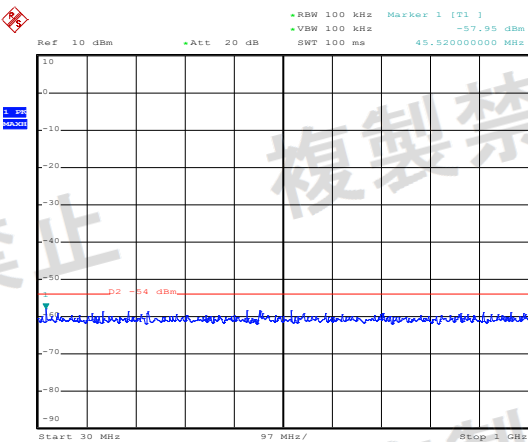


EUT:	Wireless Mouse	Test Date:	June 26, 2025
Temperature:	25°C	Tested by:	Andy
Humidity:	55 % RH	Test Voltage	DC1.5V(Normal)
Operation Mode:	Receiving Mode at 2440MHz		

Test Data:

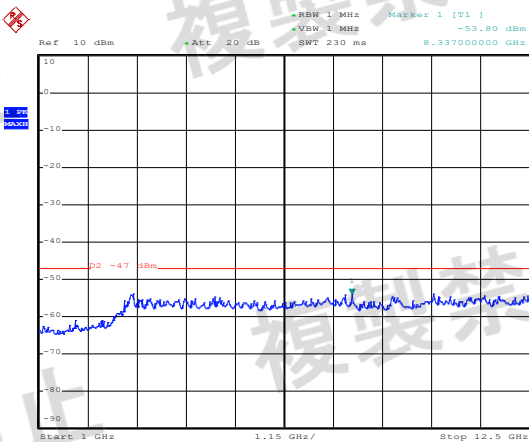
Test Data of Secondary Radiated Emission Strength							
Volage	Channel	Frequency Range (MHz)	Frequency (MHz)	Result (dBm)	Result (nW)	Limit	P/F
NV	2440	30-1000	45.520000000	-57.95	1.6032	4nW	Pass
NV	2440	1000-12500	8337.000000	-53.80	4.1687	20nW	Pass

2440MHz (30 MHz ≤ f < 1000 MHz)



Date: 27.JUN.2025 11:49:38

2440MHz (1000 MHz ≤ f < 12500 MHz)



Date: 28.JUN.2025 16:07:52

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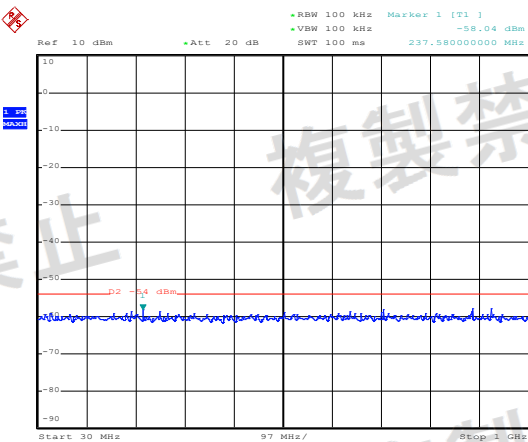


EUT:	Wireless Mouse	Test Date:	June 26, 2025
Temperature:	25°C	Tested by:	Andy
Humidity:	55 % RH	Test Voltage	DC1.5V(Normal)
Operation Mode:	Receiving Mode at 2480MHz		

Test Data:

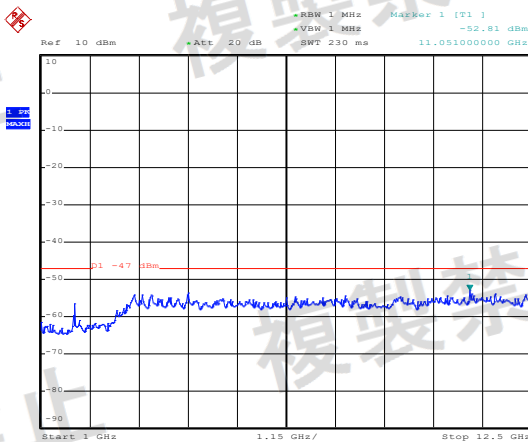
Test Data of Secondary Radiated Emission Strength							
Volage	Channel	Frequency Range (MHz)	Frequency (MHz)	Result (dBm)	Result (nW)	Limit	P/F
NV	2480	30-1000	237.580000000	-58.04	1.5704	4nW	Pass
NV	2480	1000-12500	1105.1000000	-52.81	5.2360	20nW	Pass

2480MHz (30 MHz ≤ f < 1000 MHz)



Date: 27.JUN.2025 11:49:16

2480MHz (1000 MHz ≤ f < 12500 MHz)



Date: 27.JUN.2025 11:47:05

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12. Interference prevention function

Radio interface prevention function

	Normal voltage	Low voltage	High voltage
Result	Good	Good	Good

Test Result: OK

12.1 Limit

Item	Limits
identification Code	≥48 bits

Measuring ID code Software

MAC IP List: MAC Scan

12.2 Test Procedure

1. In the case that the EUT has the function of automatically transmitting the identification code: a. Transmit the predetermined identification codes from EUT. b. Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification code: a. Transmit the predetermined identification codes from the counterpart. b. Check if communication is normal. c. Transmit the signals other than predetermined ID codes from the counterpart. d. Check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

12.3 Conditions of Equipment under Test

Required normal mode of the applicable equipment (EUT)

12.4 TEST RESULTS

The radio equipment has an identification code. A verification of this code is done before a communication channel is established

MAC Address: BF: FF: EC:C5: FF: EA

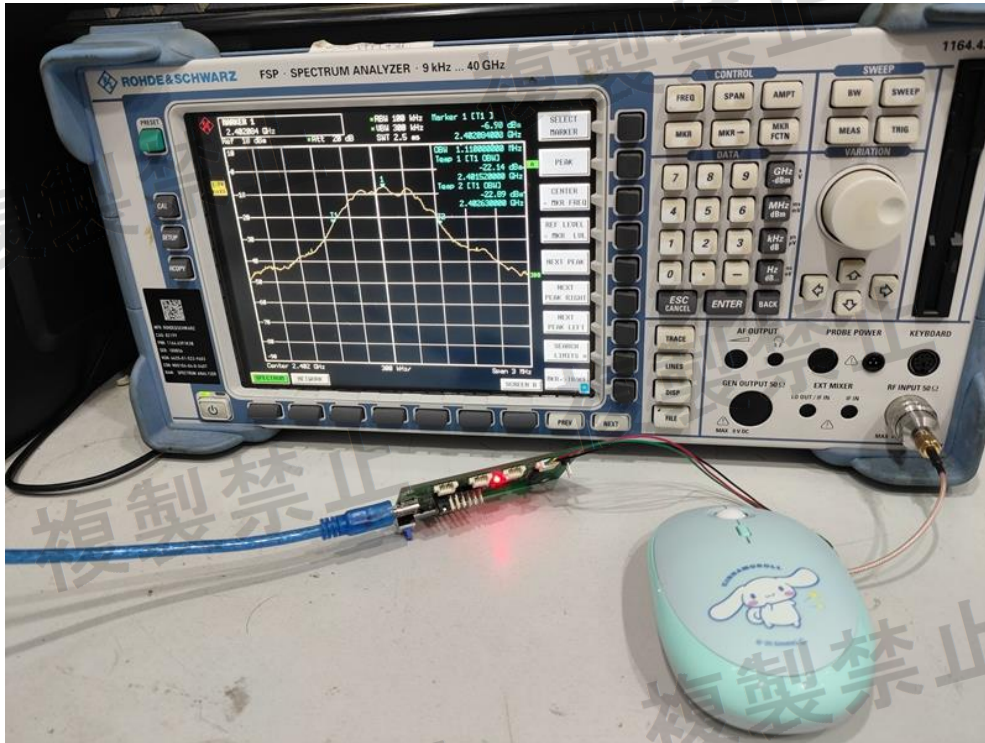
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Test Setup Photos



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Photographs – EUT

Outside View



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Outside View



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Outside View



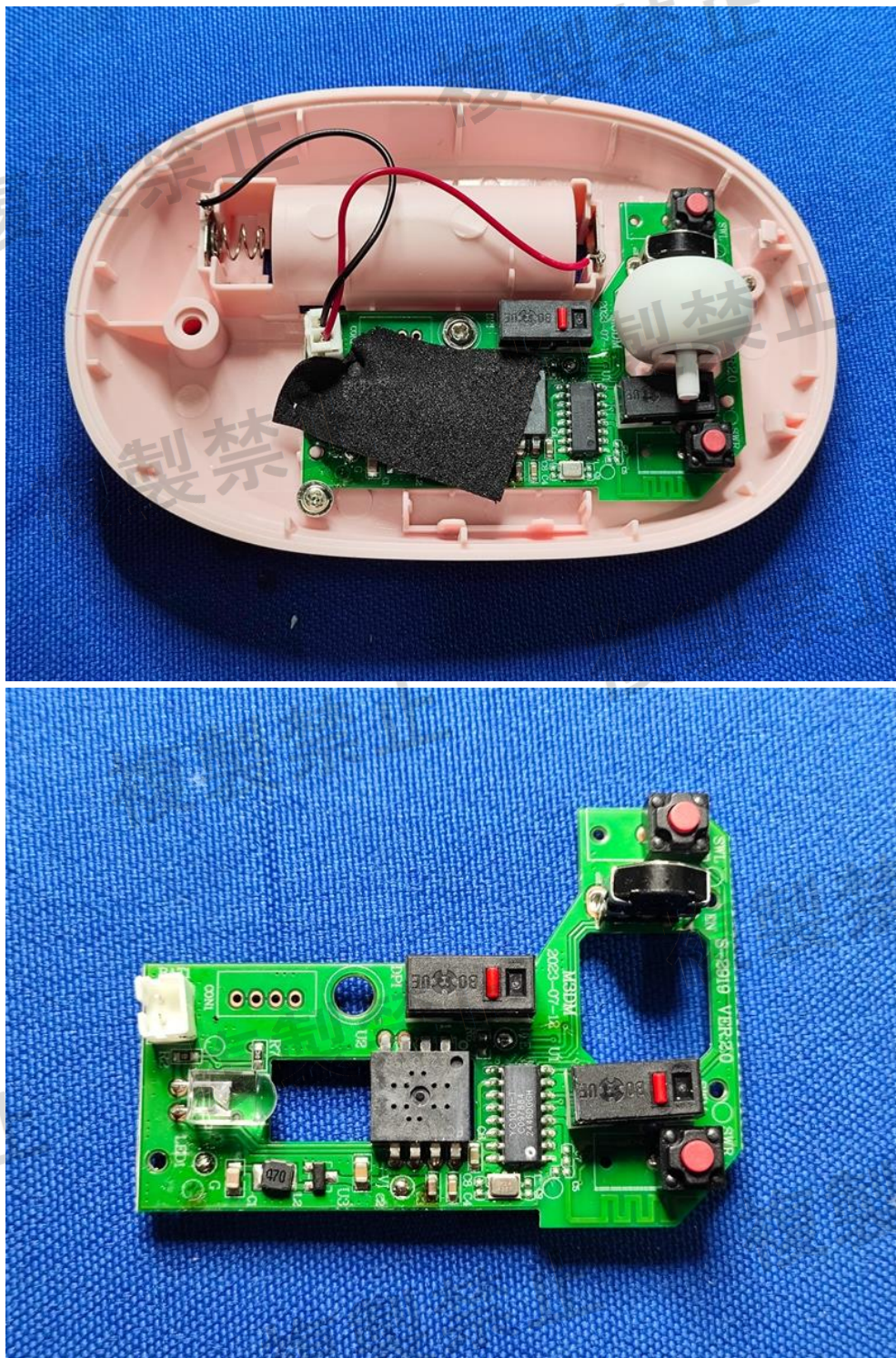
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Inside view



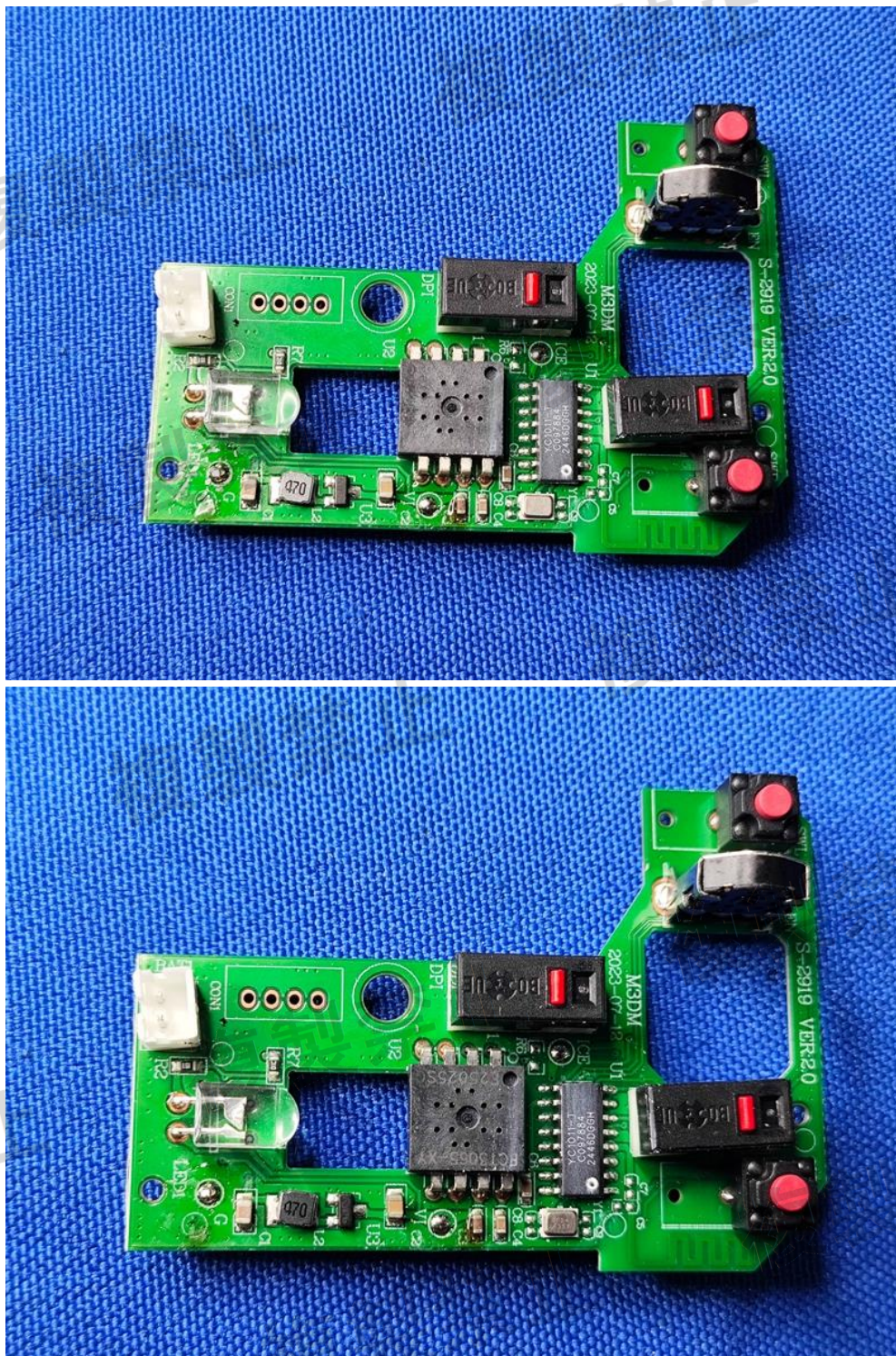
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Inside view



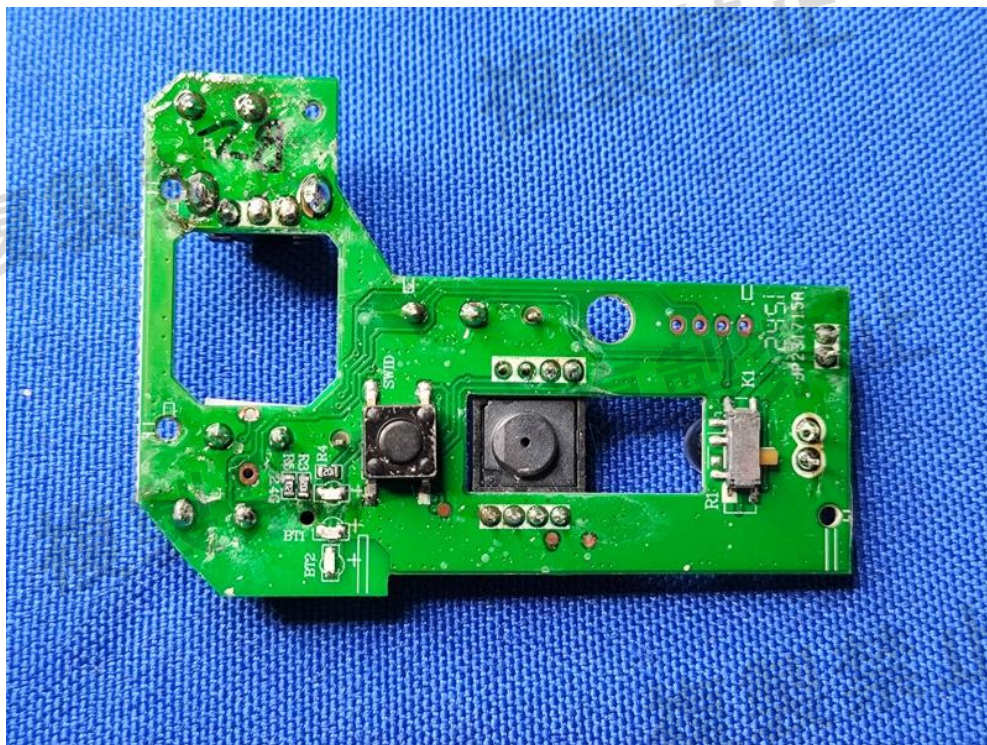
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Inside view



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