

MPE TEST REPORT

Report No.: SHE25110007-01FE

Date: 2025-12-16

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Applicant : Hangzhou Cyberstar Co., Ltd.
Address of Applicant : Ruili Center Bullding, No.568 Taiming street. Xiaoshan District, Hangzhou City

Product Name : New Technology Pet Quadruped Robot
Brand Name : Cyberstar
Model Name : Cyber1
Sample Acquisition Method : Sent by Client
Sample No. : E25110007-01#02

FCC ID : 2BS8P-CYBER1

Standard : FCC Part 2.1091

Date of Receipt : 2025-11-07
Date of Test : 2025-11-19~ 2025-12-13
Date of Issue : 2025-12-16

Remark:

This report details the results of the testing carried out on one sample, the results contained in this report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

Prepared by:



(Erik Yang)

Reviewed by:



(Jennifer Zhou)

Approved by:



(Authorized signatory: Echo Mu)

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1 General Information

1.1 Testing Laboratory

Company Name	ICAS Testing Technology Service (Shanghai) Co., Ltd.
Address	No.1298, Pingan Road, Minhang District, Shanghai, China
Telephone	0086 21-51682999
Fax	0086 21-54711112
Homepage	www.icasiso.com

1.2 Details of Application

Applicant Company Name	Hangzhou Cyberstar Co., Ltd.
Applicant Company Address	Ruili Center Bullding, No.568 Taiming street. Xiaoshan District, Hangzhou City
Contact Person	Duan Xincheng
Telephone	+86 18868010846
Email	info@cyberstars.com.cn
Manufacturer Company Name	Hangzhou Cyberstar Co., Ltd.
Manufacturer Company Address	Ruili Center Bullding, No.568 Taiming street. Xiaoshan District, Hangzhou City

1.3 Details of EUT

Product Name	New Technology Pet Quadruped Robot	
Brand Name	Cyberstar	
Test Model Name	Cyber1	
FCC ID	2BS8P-CYBER1	
Mode of Operation	WLAN 802.11b/g/n(HT20/40) for 2.4GHz Bluetooth dual mode	
Frequency Range	Mode of Operation	Frequency Range (MHz)
	802.11b/g/n(HT20/HT40)	2412~2462
	Bluetooth	2402~2480
Modulation Type	DSSS/OFDM for WLAN 2.4GHz GFSK/8DPSK/Π/4DQPSK for Bluetooth	
Antenna Type	Internal Antenna	
Antenna Gain	3.89dBi	
Hardware version	V2.1	
Software version	V0.23	

Note:

1. The above information was declared by the manufacture.
2. For more details, please refer to the User's manual of the EUT.

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2 Maximum Permissible Exposure (MPE)

2.1 Limits

According to KDB 447498 D01 General RF Exposure Guidance v06, Per § 1.1310(d)(2) MPE limits in § 1.1310(e)(1) - Table 1, systems operating under the provisions of this section shall be operated in a manner the ensures that the public is not exposed to radio frequency energy level in excess of the commission's guidelines.

TABLE 1 TO § 1.1310(E)(1)—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3–3.0	614	1.63	*(100)	≤6
3.0–30	1842/f	4.89/f	*(900/f ²)	<6
30–300	61.4	0.163	1.0	<6
300–1,500			f/300	<6
1,500–100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	<30
1.34–30	824/f	2.19/f	*(180/f ²)	<30
30–300	27.5	0.073	0.2	<30
300–1,500			f/1500	<30
1,500–100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

2.2 Assessment methods

Calculation Formula from FCC OET 65:

$$S = \frac{P * G}{4 * \pi * R^2}$$

Where:

S = Power Density (mW/cm²)

P = Input Power of the Antenna (mW)

G = Antenna Gain Relative to an Isotropic Antenna

R = Distance from the Antenna to the Point of Investigation (cm)

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2.3 Test Result

Operation Mode	Frequency Range (MHz)	Max Conducted Power (dBm)	Antenna Gain (dBi)	Max EIRP (mW)	Power Density at R = 20 cm (mW/cm ²)	Limit (mW/cm ²)
WLAN 2.4GHz	2412~2462	17.15	3.89	127.06	0.025275	1.0
BR/EDR	2402~2480	7.96		15.31	0.003046	1.0
BLE	2402~2480	5.25		8.20	0.001632	1.0

Note(s):

1. For 1,500 – 100,000MHz: Power Density limit is 1.0 mW/cm²

2.4 Conclusion

The Power Density at the position which is 20 cm far from the EUT is smaller than the General Population/Uncontrolled Exposure limit.

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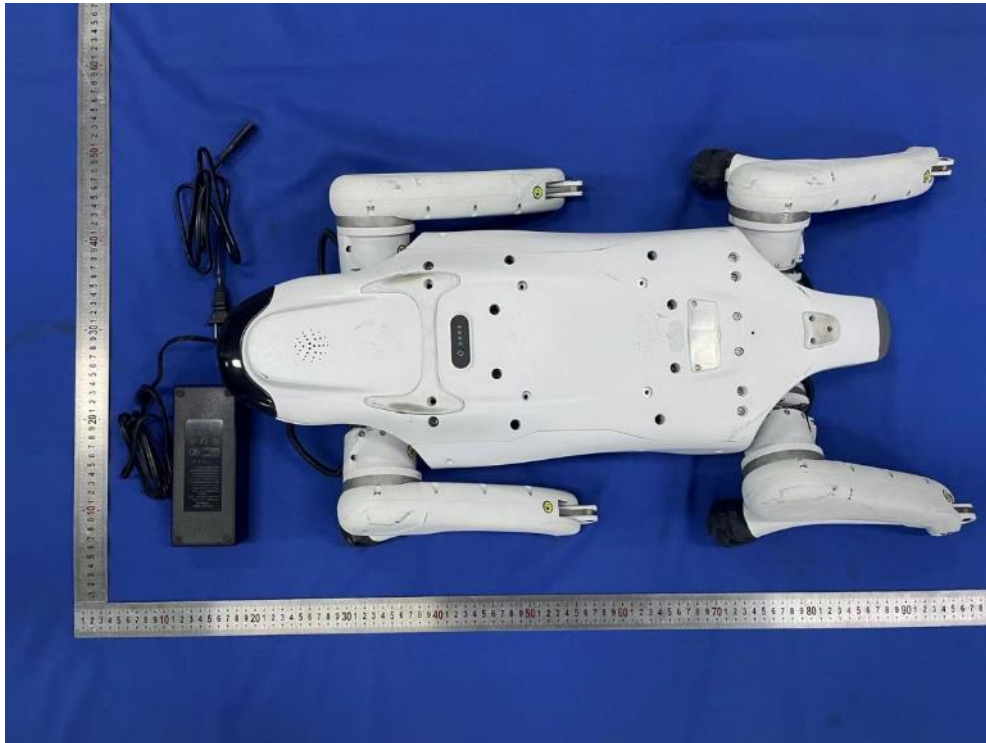
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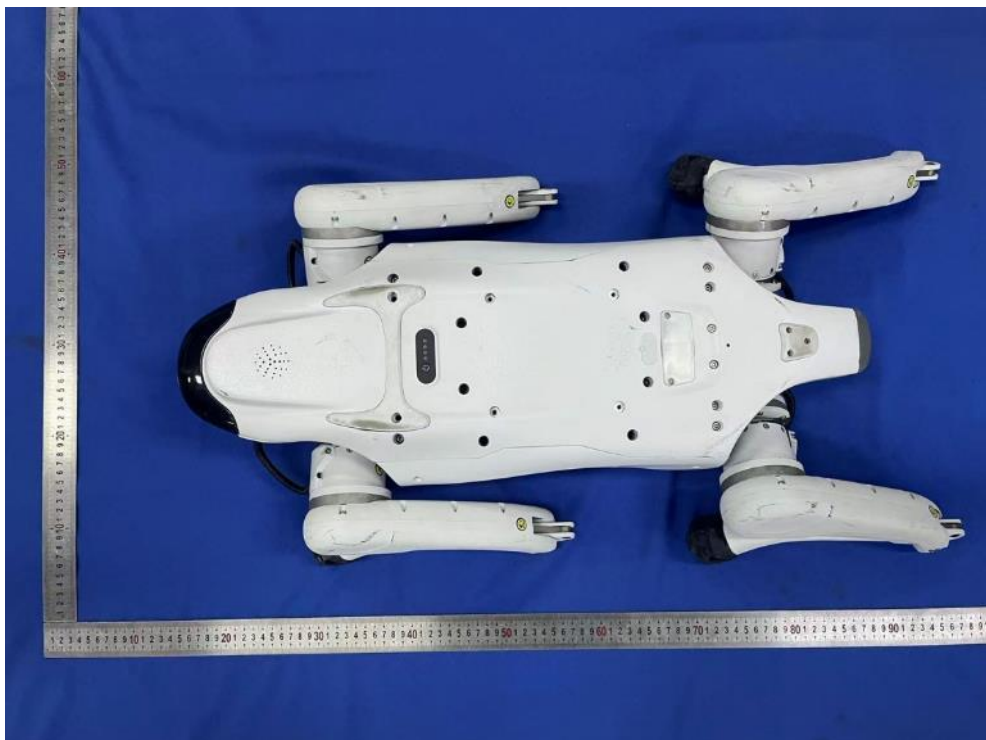
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3 Appendixes

3.1 External Photo of the Sample



All of the sample



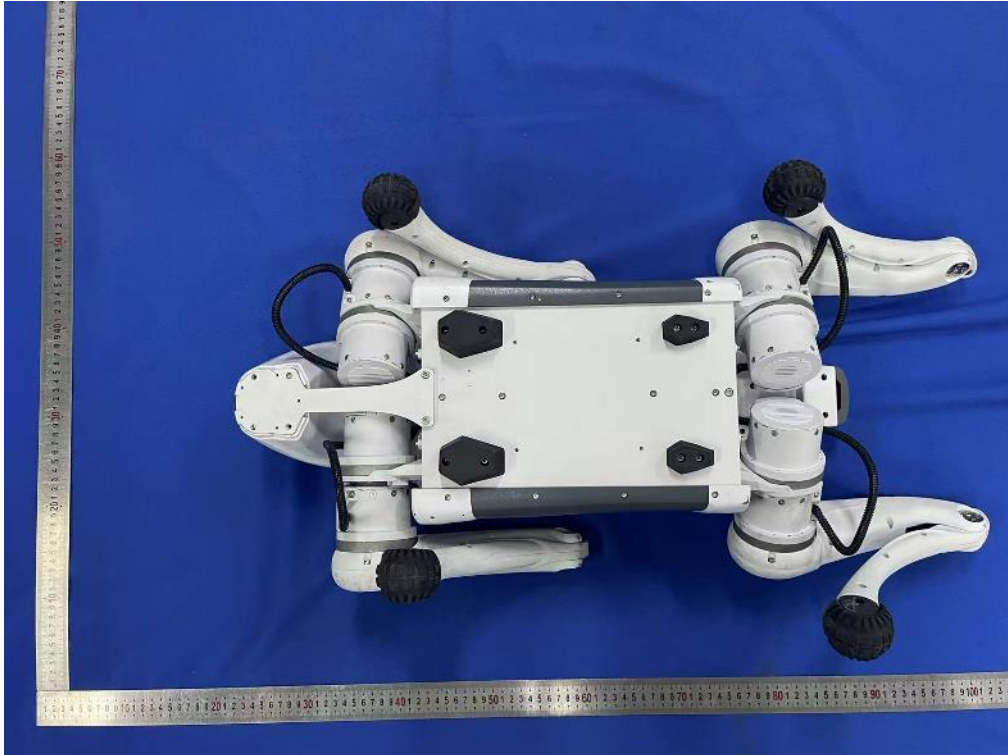
Top of the sample

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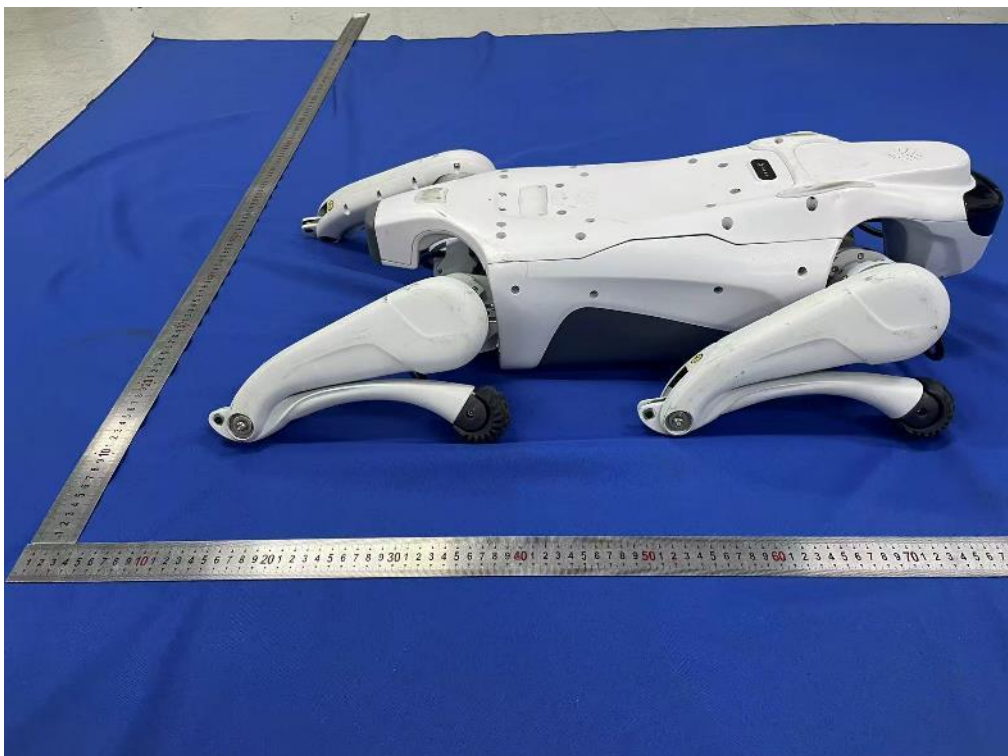
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Bottom of the sample



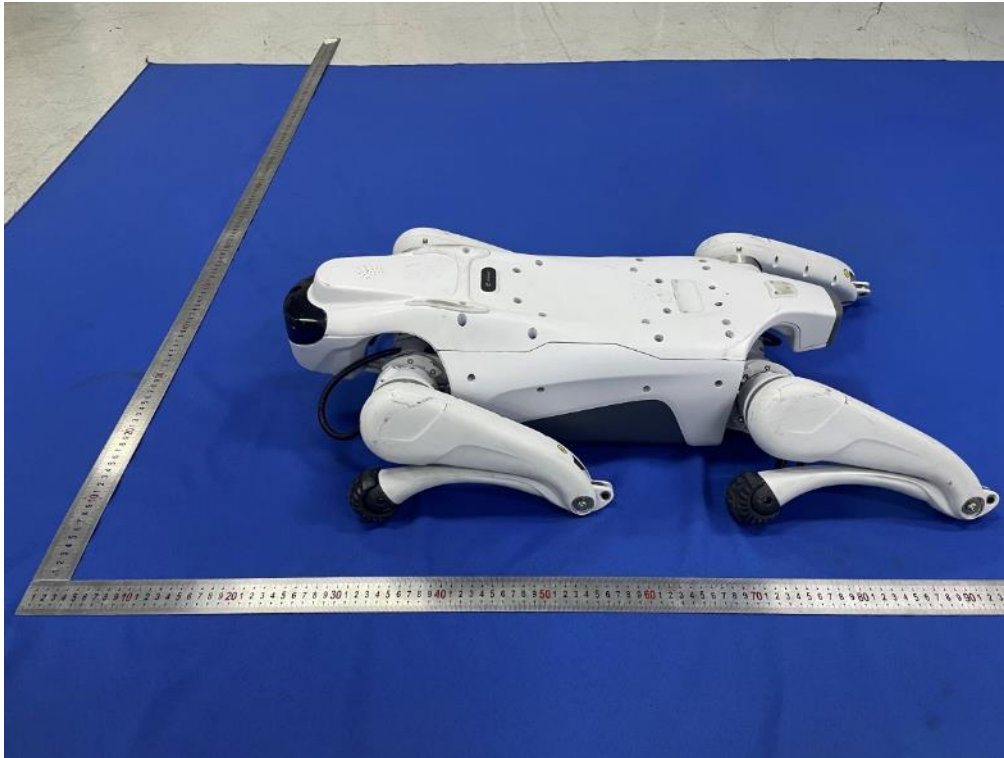
Left of the sample

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Right of the sample



Front of the sample

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Back of the sample



Port of the sample

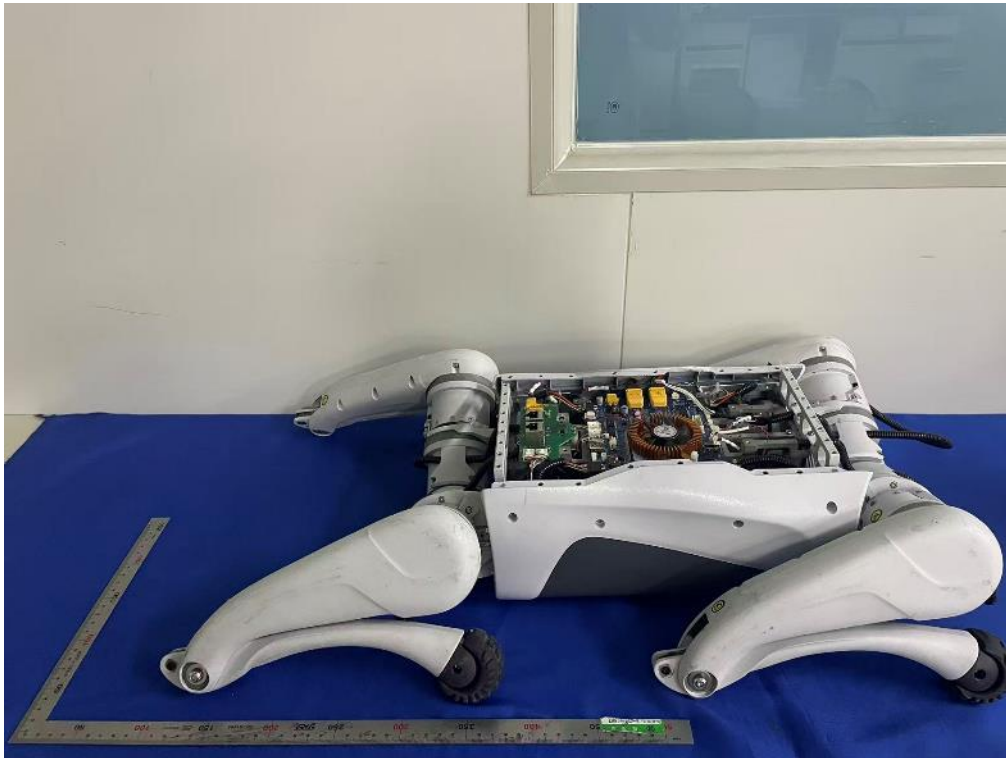
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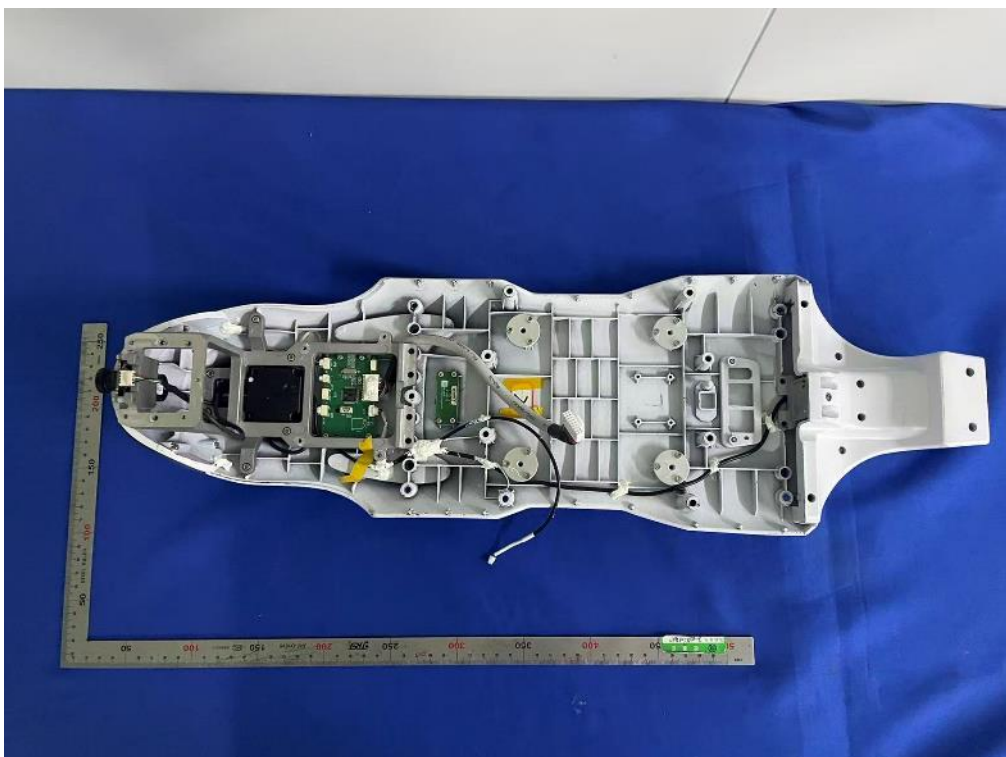
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3.2 Internal Photo of the Sample



Open-1 of the sample



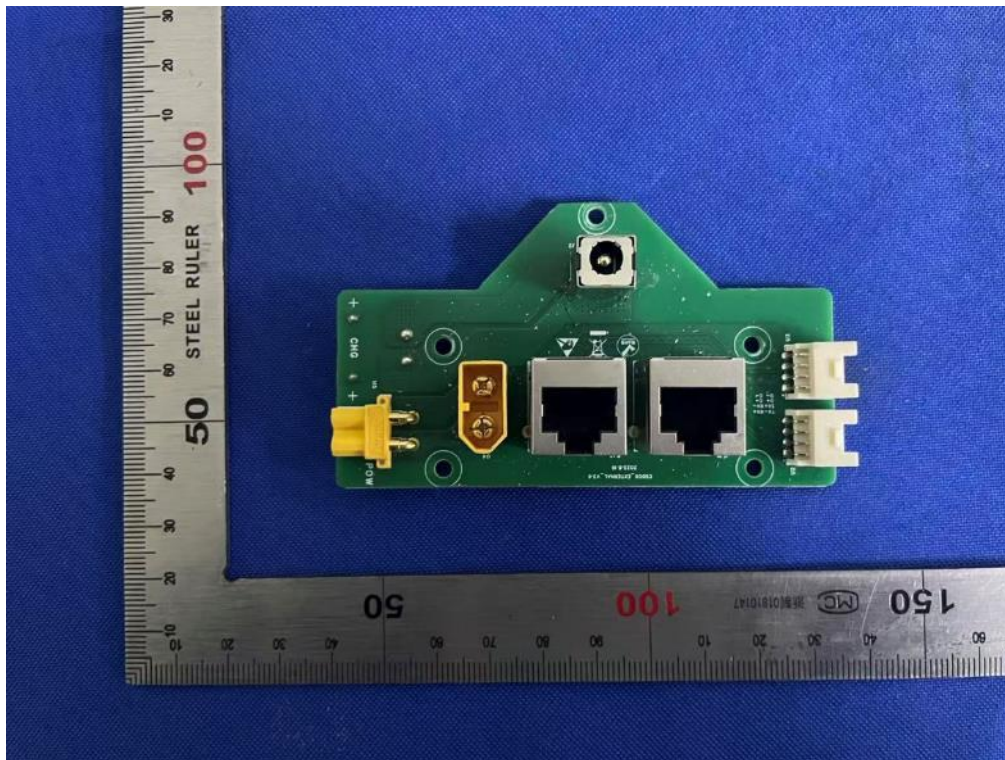
Open-2 of the sample

MPE TEST REPORT

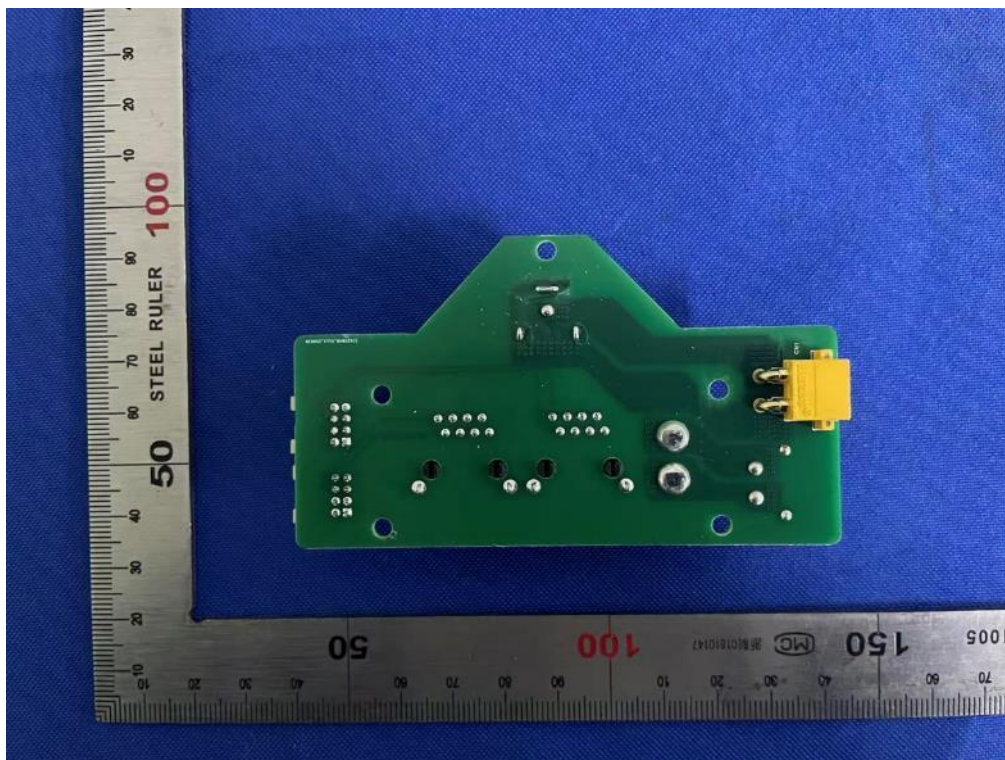
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Internal-1 of the sample



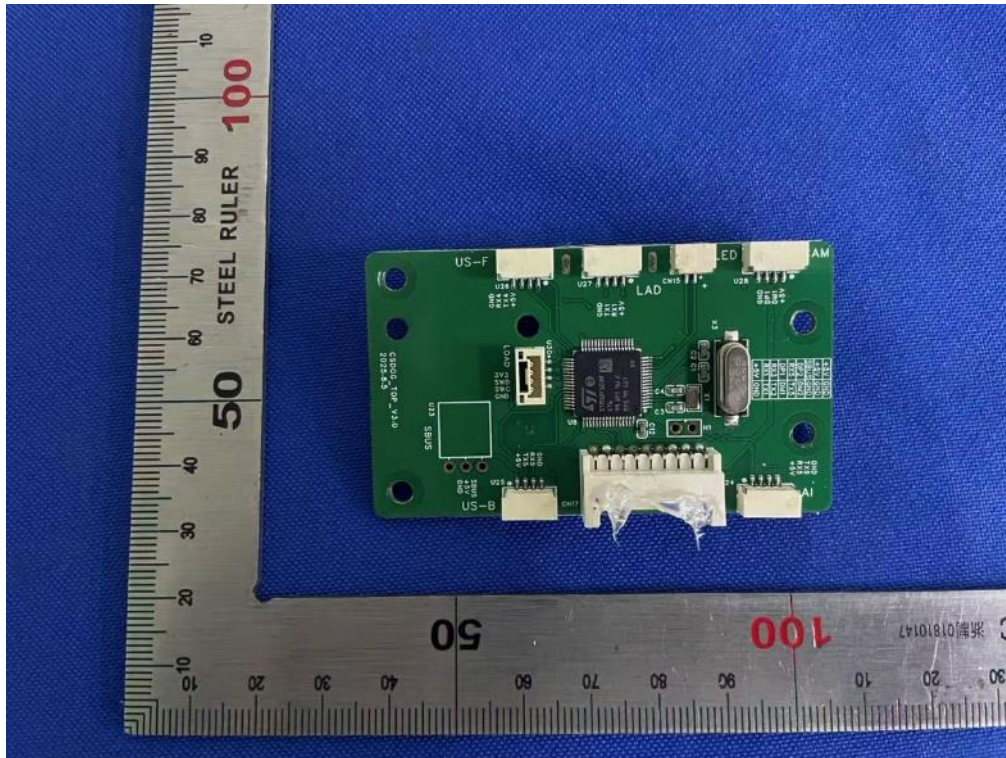
Internal-2 of the sample

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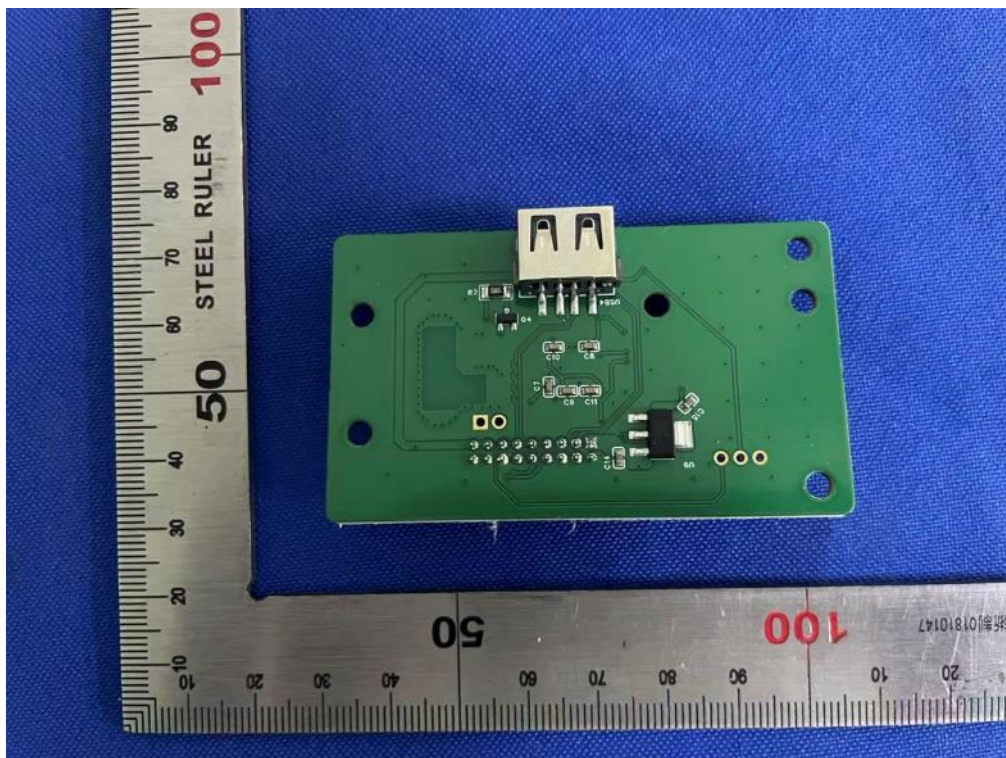
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Internal-3 of the sample



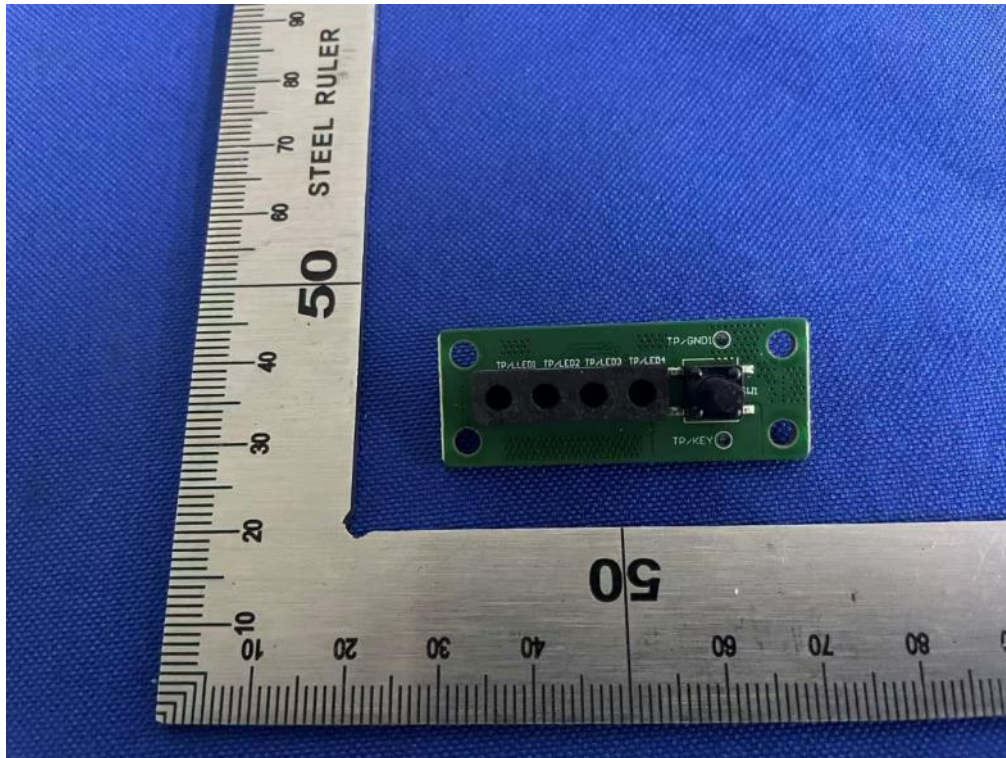
Internal-4 of the sample

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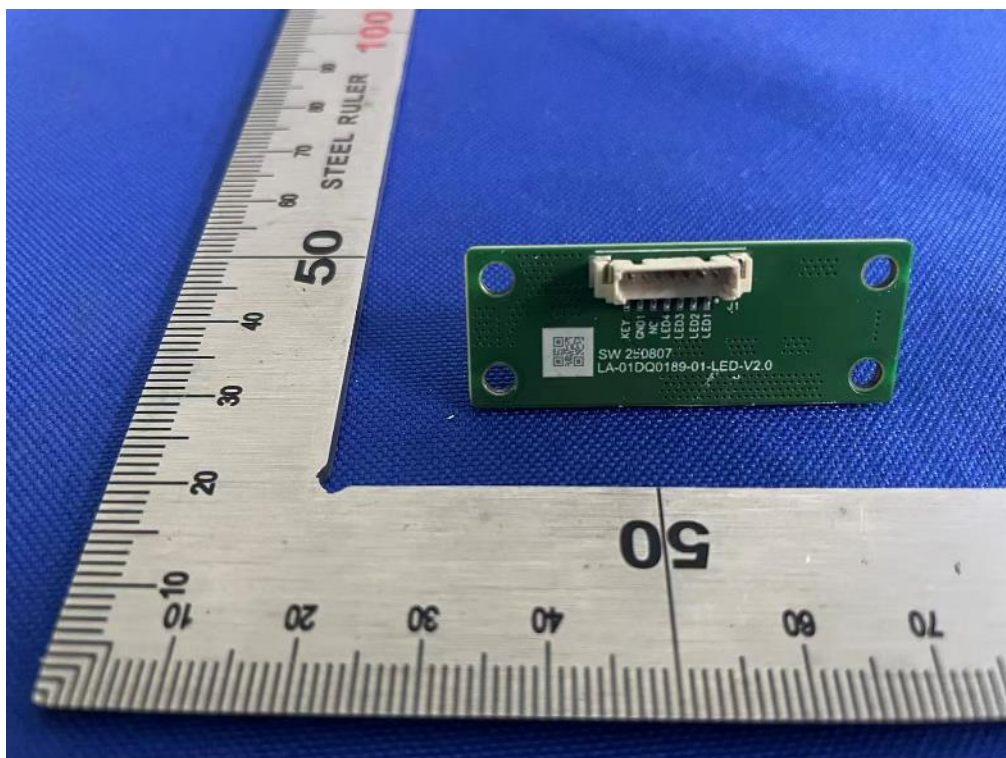
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Internal-5 of the sample



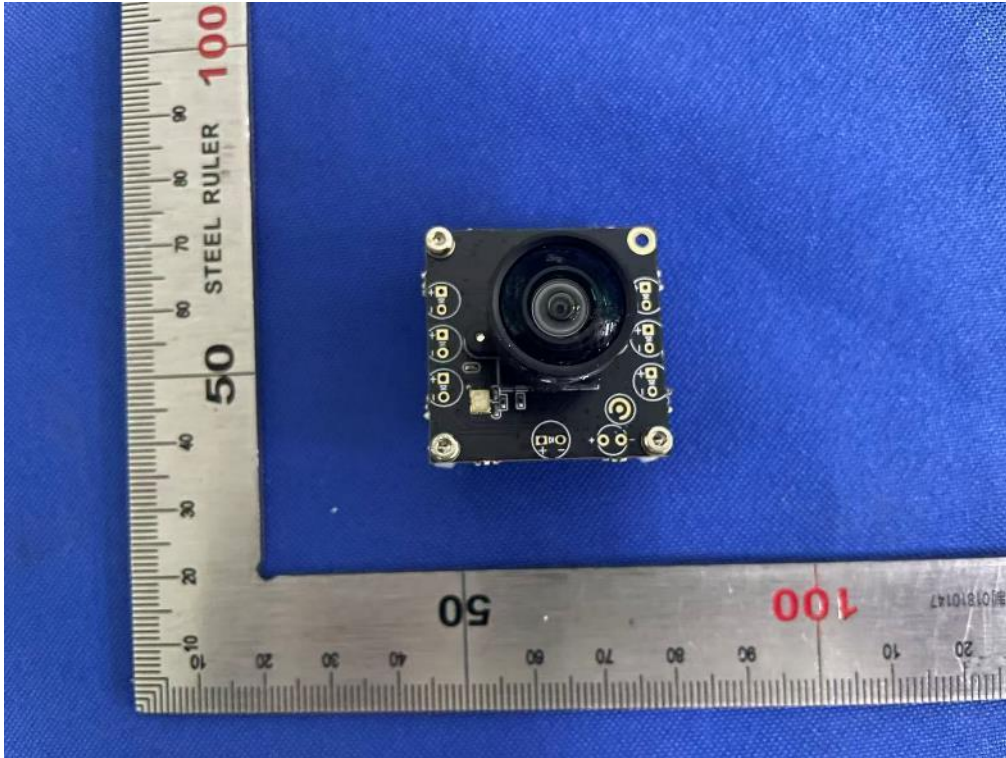
Internal-6 of the sample

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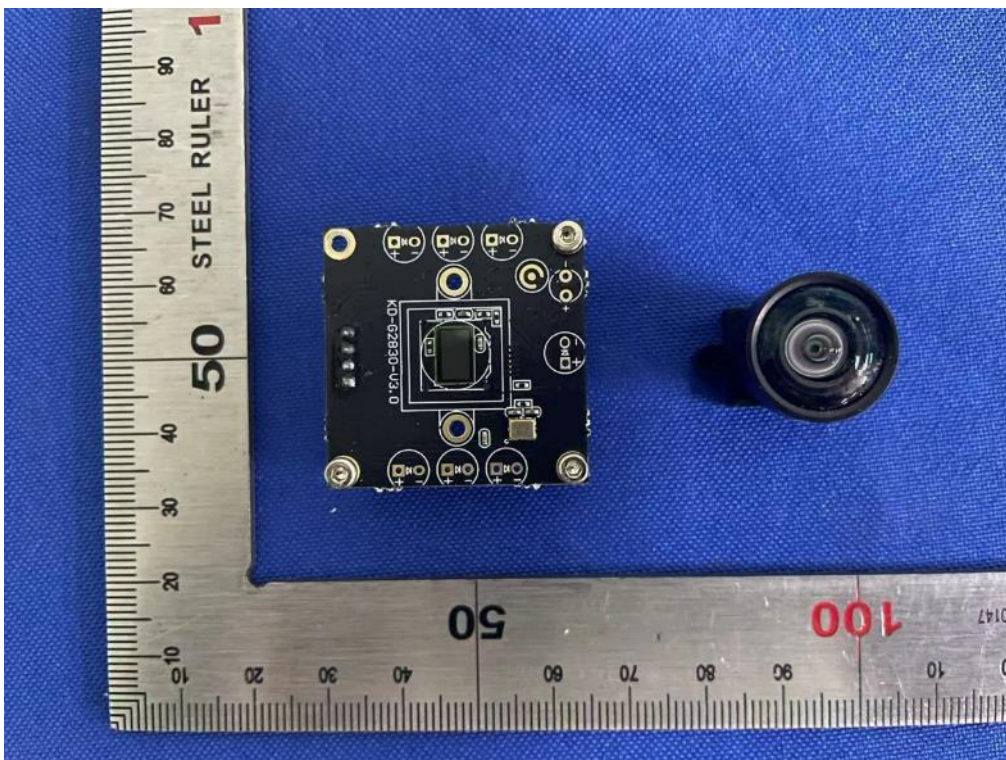
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Internal-7 of the sample



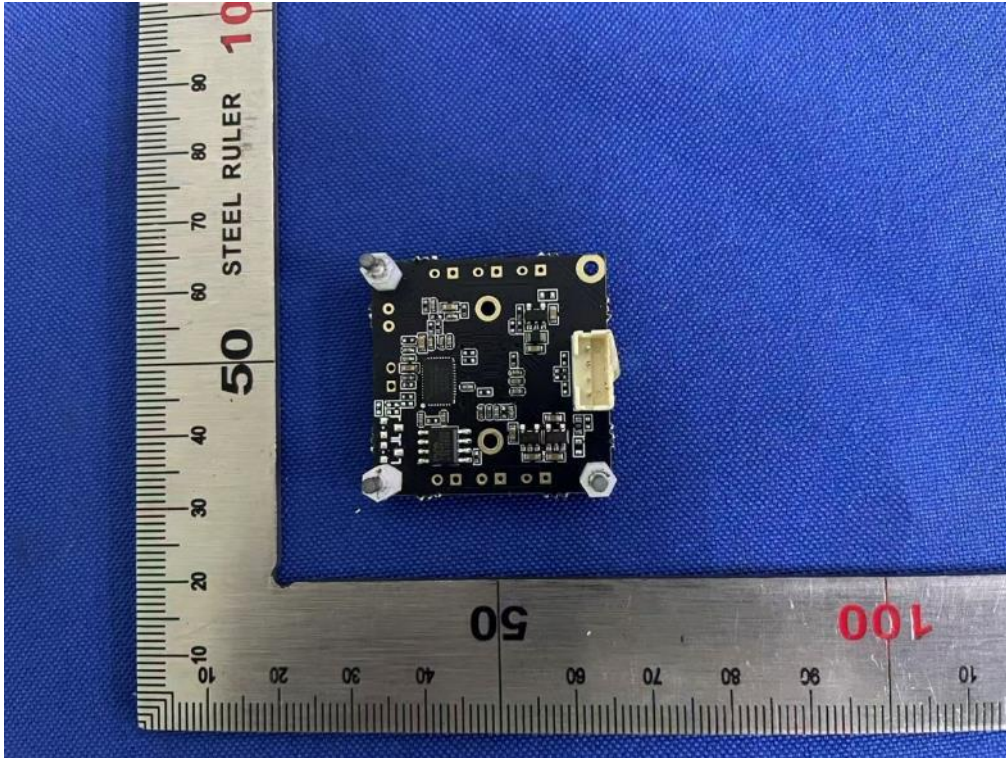
Internal-8 of the sample

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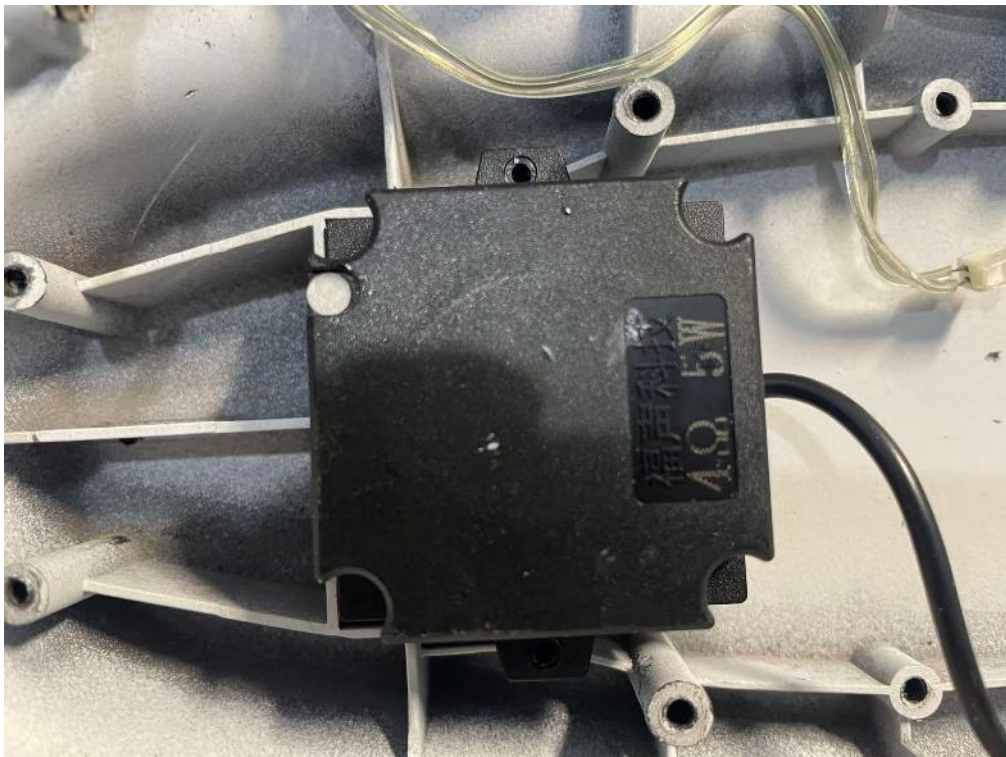
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Internal-9 of the sample



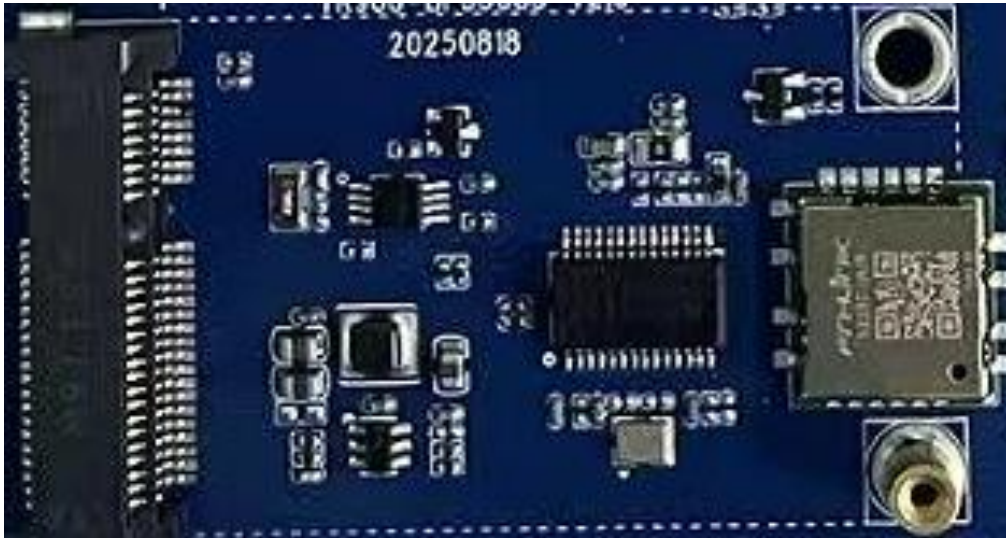
Internal-10 of the sample

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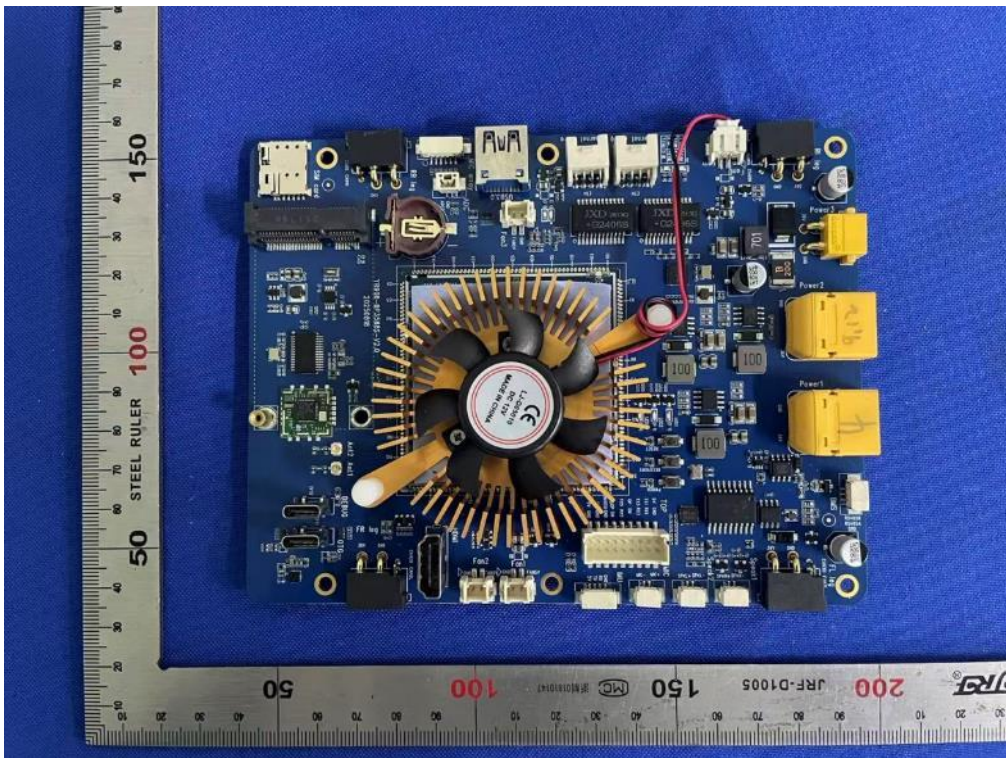
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Internal-11 of the sample (Module with shielding cover)



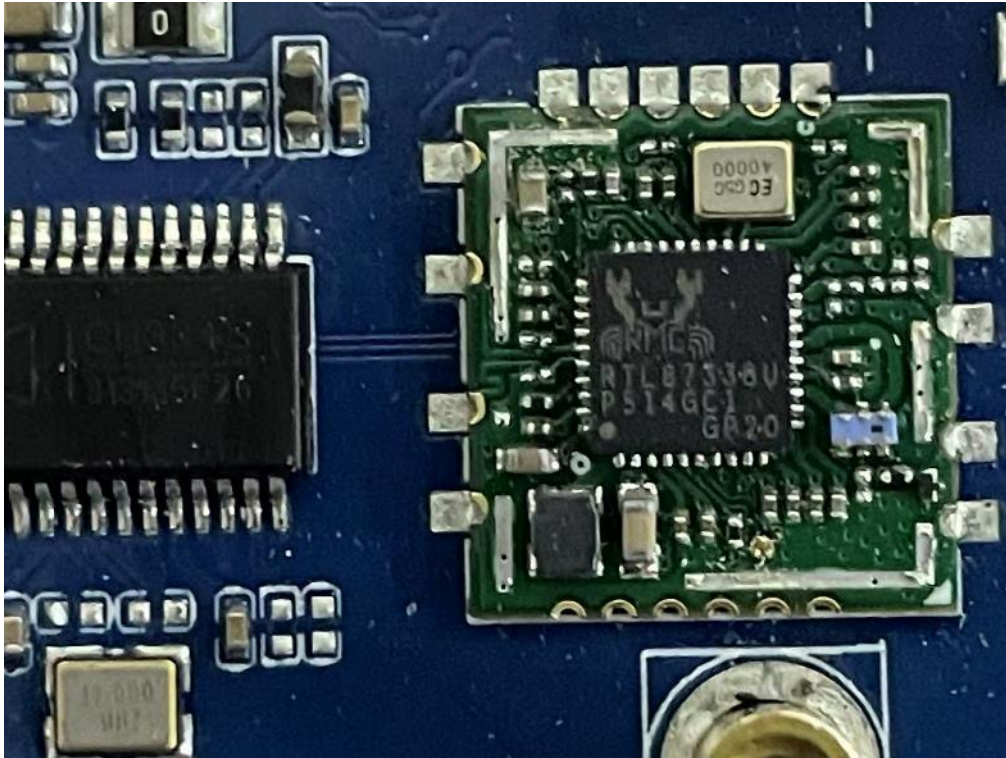
Internal-12 of the sample (Remove the module shielding cover)

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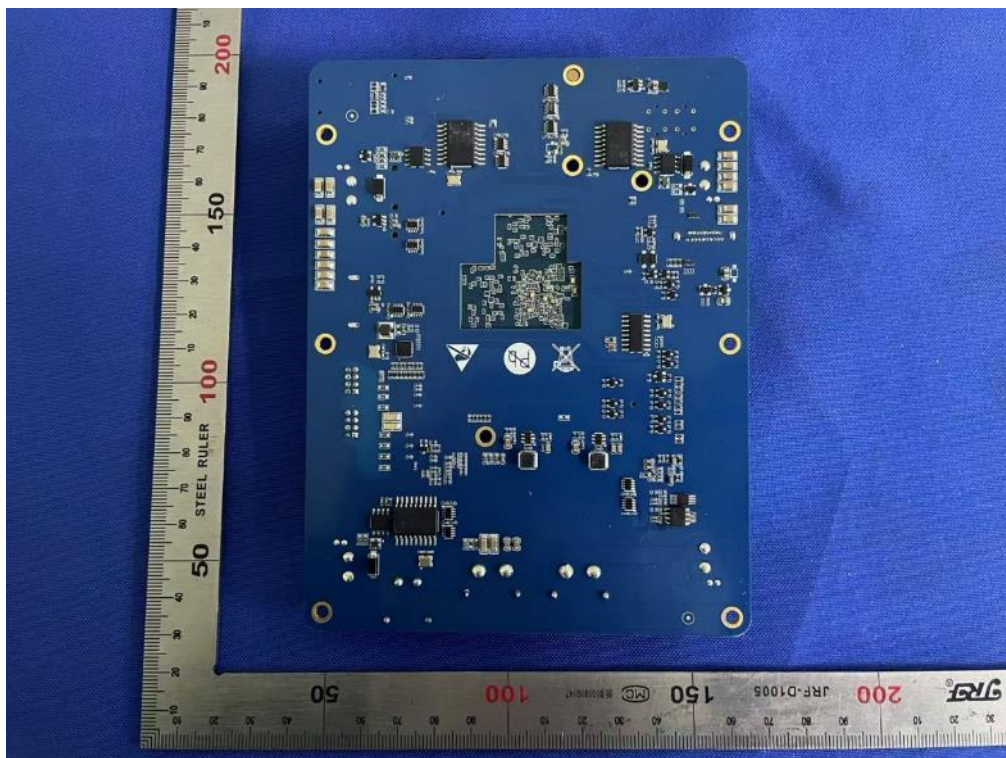
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Internal-13 of the sample



Internal-14 of the sample

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Internal-15 of the sample



Battery of the sample

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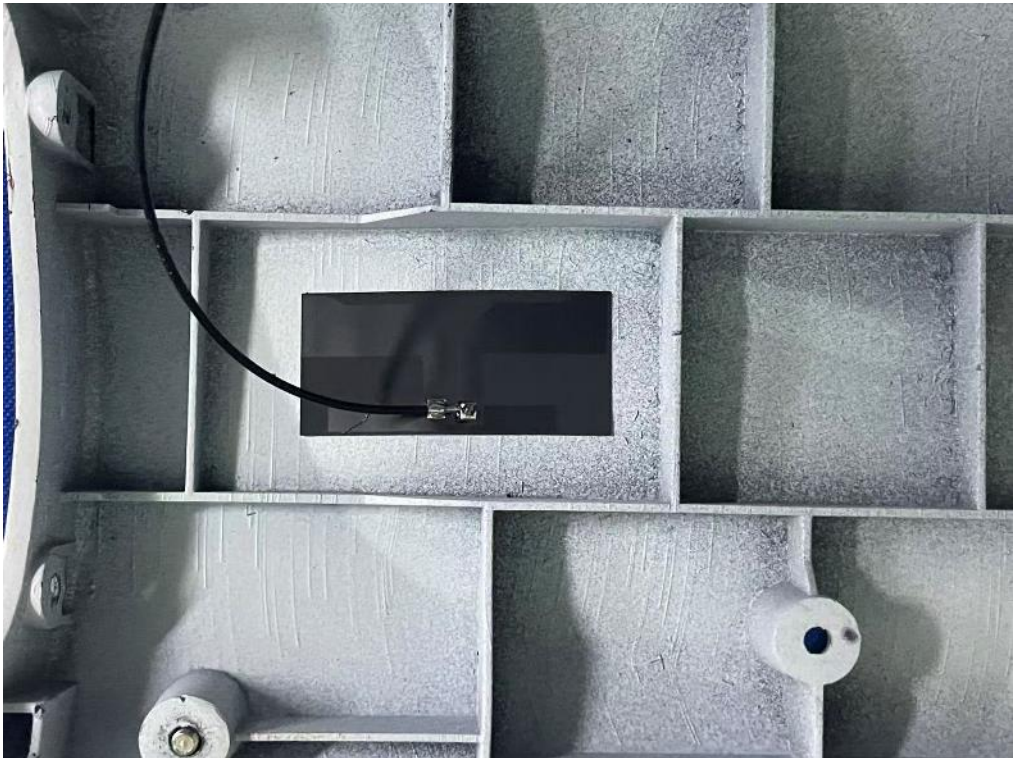
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Power Unit



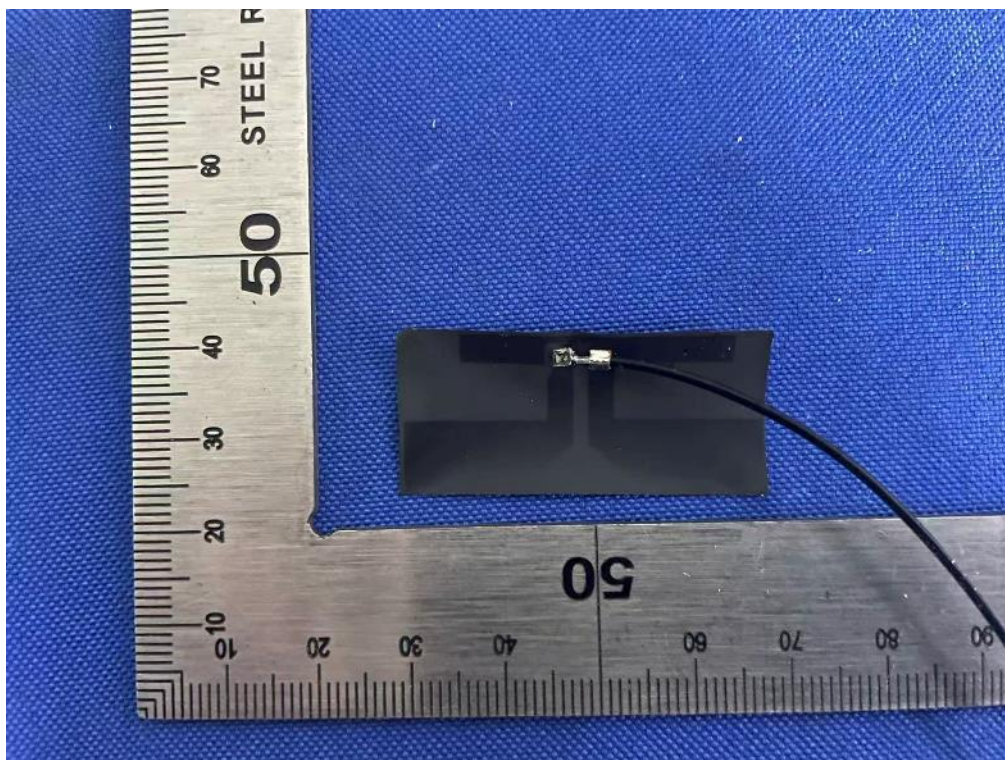
Antenna Position

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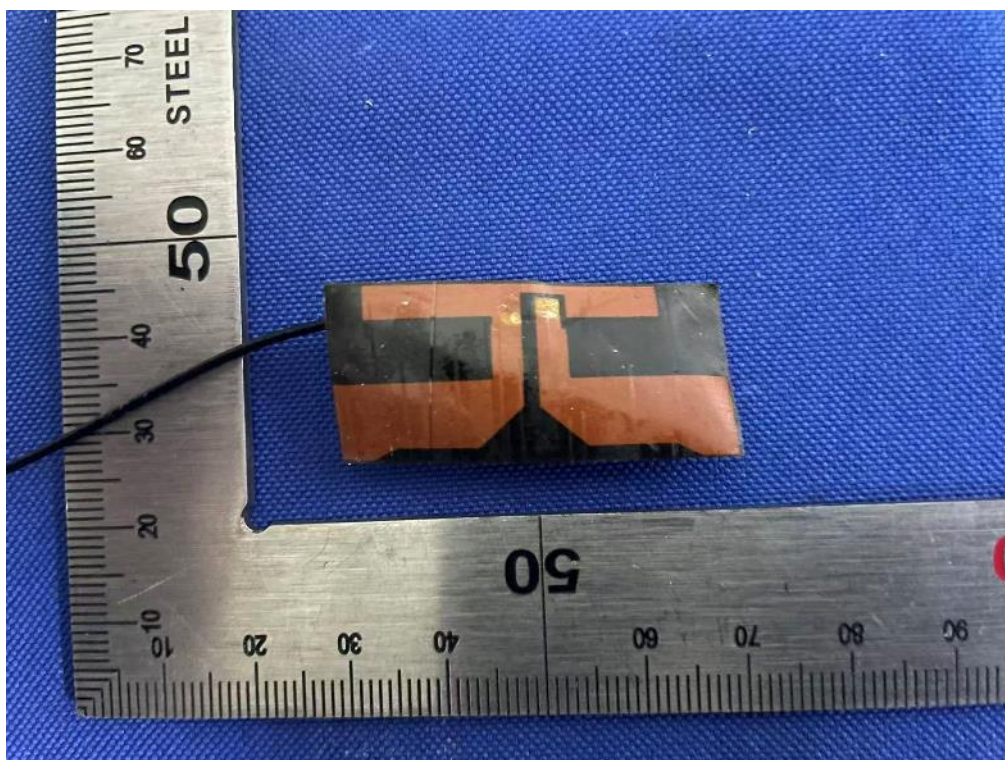
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Antenna Photo-Front



Antenna-Back

End of the report