

MPE TEST REPORT

Report No.: SHE25110009-02GE

2026-01-23

Page 1 of 16

Applicant : PETKIT Network Technology (Shanghai) Co., Ltd.
Address of Applicant : Room 4139, Building 2, 588 Zixing Road, Minhang District, Shanghai

Product Name : PETKIT YUMSHARE DUAL-HOPPER 2 WITH CAMERA SMART PET FEEDER
Brand Name : PETKIT
Model Name : P592
Sample Acquisition Method : Sent by Client

Sample No. : E25110009-01#03

FCC ID : 2A72N-P592

Standard : FCC Part 2.1091

Date of Receipt : 2025-11-06
Date of Test : 2025-11-18~ 2026-01-22
Date of Issue : 2026-01-23

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)

MPE TEST REPORT

Contents

1	GENERAL INFORMATION	3
1.1	TESTING LABORATORY	3
1.2	DETAILS OF APPLICATION	3
1.3	DETAILS OF EUT	3
2	MAXIMUM PERMISSIBLE EXPOSURE (MPE)	4
2.1	LIMITS	4
2.2	ASSESSMENT METHODS	5
2.3	TEST RESULT	5
2.4	RESULTS FOR TRANSMIT SIMULTANEOUSLY	5
2.5	CONCLUSION	5
3	APPENDIXES	6
3.1	EXTERNAL PHOTO OF THE SAMPLE	6
3.2	INTERNAL PHOTO OF THE SAMPLE	11

MPE TEST REPORT

Report No.: SHE25110009-02GE

2026-01-23

Page 3 of 16

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	PETKIT Network Technology (Shanghai) Co., Ltd.
Applicant Company Address	Room 4139, Building 2, 588 Zixing Road, Minhang District, Shanghai
Contact Person	TingHe
Telephone	+86 13916991059
Email	ting.he@petkit.com
Manufacturer Company Name	Dongguan Zhihang Electronic Technology Co., LTD.
Manufacturer Company Address	Room 701, Building 15, No.1, Pushi Road I, Qiaotou Town, Dongguan City,Guangdong Province, China.
Factory Company Name	Dongguan Zhihang Electronic Technology Co., LTD.
Factory Company Address	Room 701, Building 15, No.1, Pushi Road I, Qiaotou Town, Dongguan City,Guangdong Province, China.

1.3 Details of EUT

Product Name	PETKIT YUMSHARE DUAL-HOPPER 2 WITH CAMERA SMART PET FEEDER	
Brand Name	PETKIT	
Test Model Name	P592	
FCC ID	2A72N-P592	
Mode of Operation	WLAN 802.11b/g/n(HT20) for 2.4GHz WLAN 802.11a/n(HT20) for 5GHz Bluetooth LE	
Frequency Range	Mode	Frequency (MHz)
	802.11b/g/n(HT20)	2412~2462
	802.11a/n(HT20))	5180~5240
		5745~5825
	Bluetooth LE	2402~2480
Modulation Type	DSSS/OFDM for WLAN 2.4GHz and OFDM for WLAN 5GHz GFSK for Bluetooth LE	
Antenna Type	Internal Antenna for Wi-Fi PCB Antenna for Bluetooth LE	

MPE TEST REPORT

Report No.: SHE25110009-02GE

2026-01-23

Page 4 of 16

Antenna Gain	WLAN 2.4G: 3.70dBi WLAN 5G: 3.70dBi Bluetooth LE: -5.45dBi
Hardware Version	V1.6(BLE); V1.1(WIFI)
Software Version	V1.158(BLE); V2.841(WIFI)

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

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.

MPE TEST REPORT

Report No.: SHE25110009-02GE

2026-01-23

Page 5 of 16

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)

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	15.27	3.70	78.89	0.01569	1.0
WLAN 5GHz	5180~5240	16.93	3.70	115.61	0.02300	1.0
	5745~5825	18.15	3.70	153.11	0.03046	1.0
BLE	2402~2480	2.22	-5.45	0.475	0.00009	1.0

2.4 Results for transmit simultaneously

Configurations	Maximum MPE Value (Ratio)			Limit
	WLAN 5GHz	BLE	Transmit Simultaneously	
WLAN 5GHz + BLE	0.03046	0.00009	0.03055	1.0

Note(s):

1. For 300 – 1,500MHz: Power Density limit is f/1500 mW/cm²
2. For 1,500 – 100,000MHz: Power Density limit is 1.0 mW/cm²
3. Since Bluetooth LE and WIFI use different mainboards and antennas, so Bluetooth LE and WIFI can be transmit simultaneously.
3. MPE Ratios are Calculated as [(MPE1/Limit)+ (MPE2/Limit) +]≤1

2.5 Conclusion

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

MPE TEST REPORT

Report No.: SHE25110009-02GE

2026-01-23

Page 6 of 16

3 Appendixes

3.1 External Photo of the Sample



All of the sample



Adapter of the sample

MPE TEST REPORT

Report No.: SHE25110009-02GE

2026-01-23

Page 7 of 16



Front of the sample



Rear of the sample

MPE TEST REPORT

Report No.: SHE25110009-02GE

2026-01-23

Page 8 of 16



Left of the sample



Right of the sample

MPE TEST REPORT

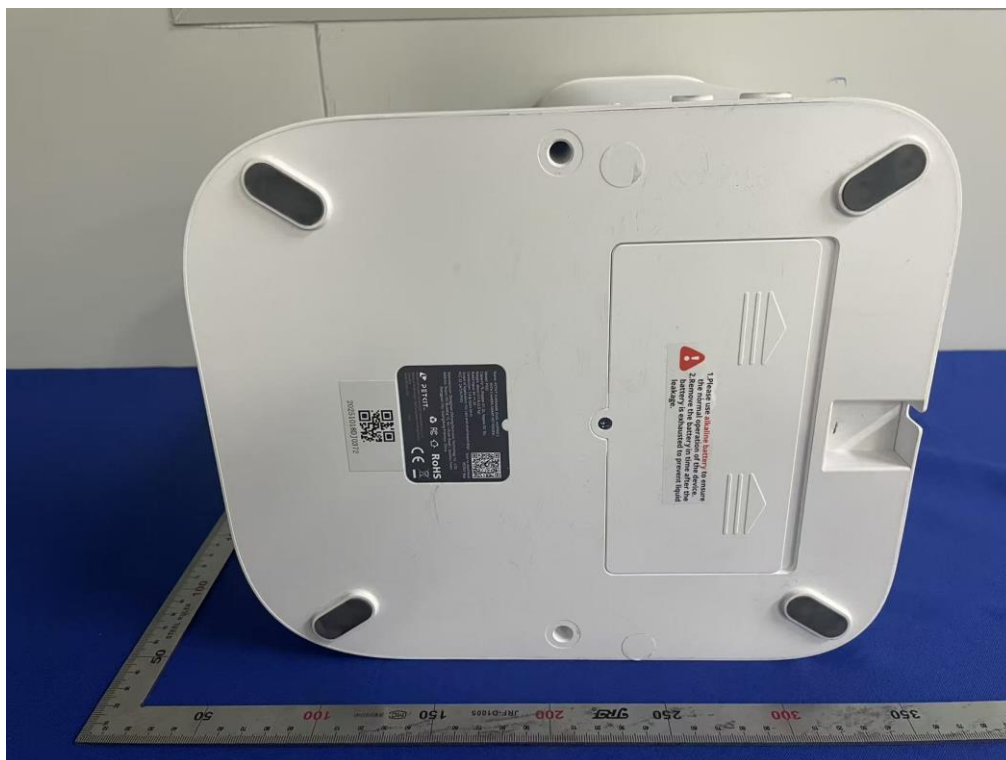
Report No.: SHE25110009-02GE

2026-01-23

Page 9 of 16



Top of the sample



Bottom of the sample

MPE TEST REPORT

Report No.: SHE25110009-02GE

2026-01-23

Page 10 of 16



Port of the sample

MPE TEST REPORT

Report No.: SHE25110009-02GE

2026-01-23

Page 11 of 16

3.2 Internal Photo of the Sample



Open-1 of the sample



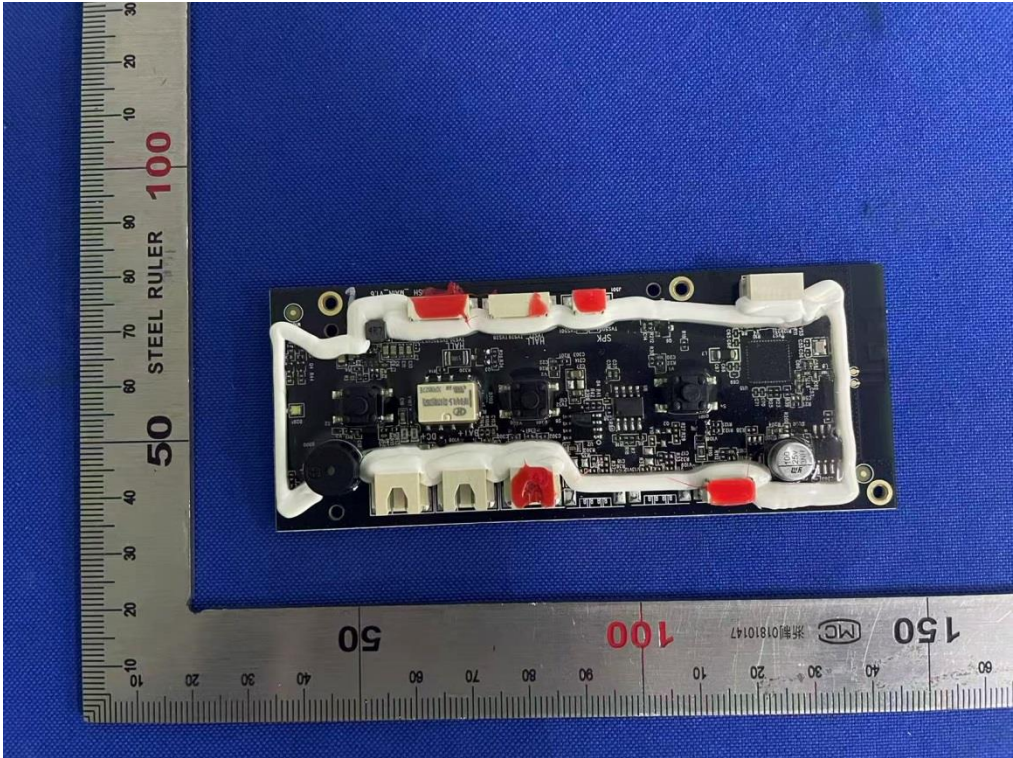
Open-2 of the sample

MPE TEST REPORT

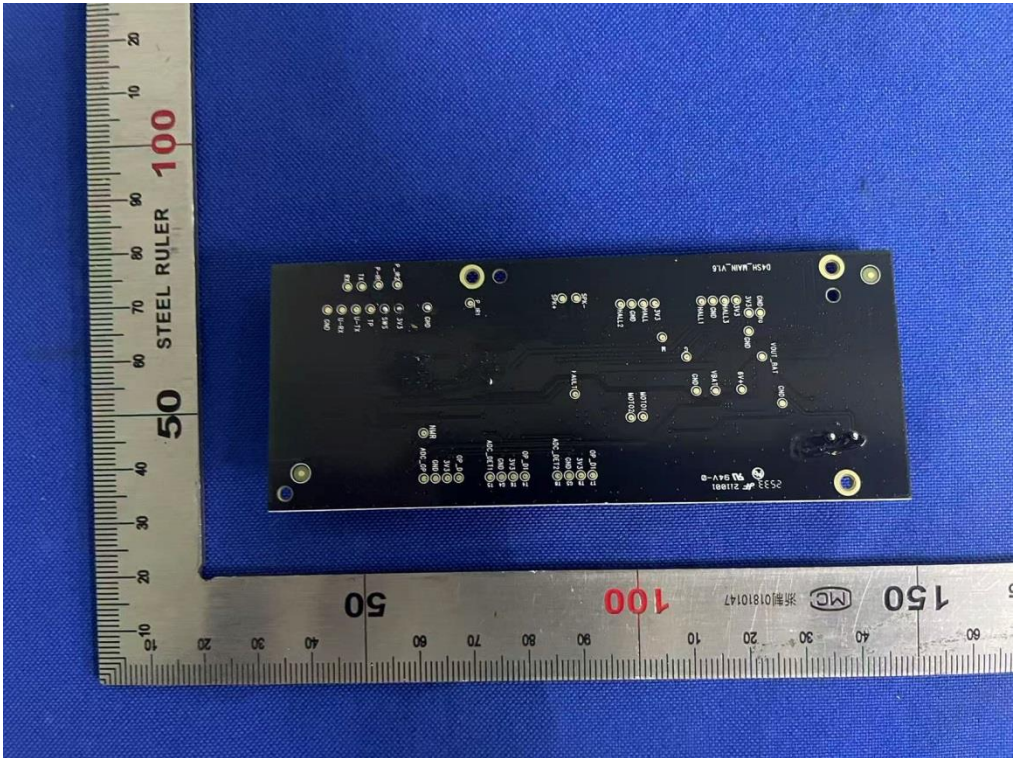
Report No.: SHE25110009-02GE

2026-01-23

Page 12 of 16



Internal-1 of the sample



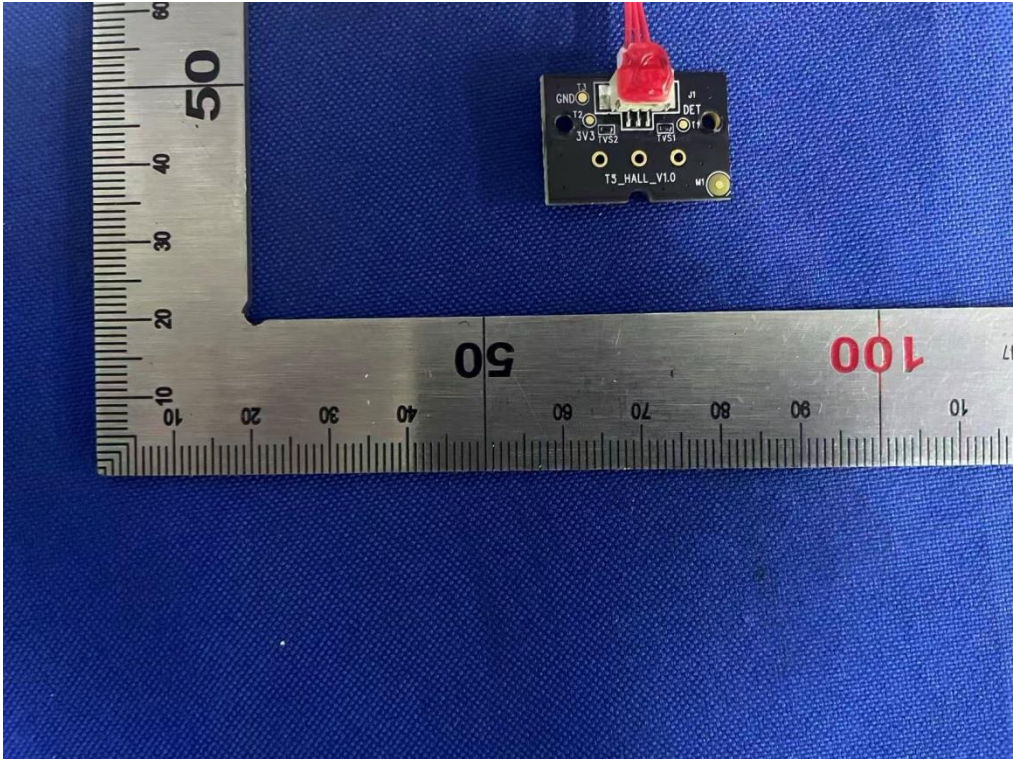
Internal-2 of the sample

MPE TEST REPORT

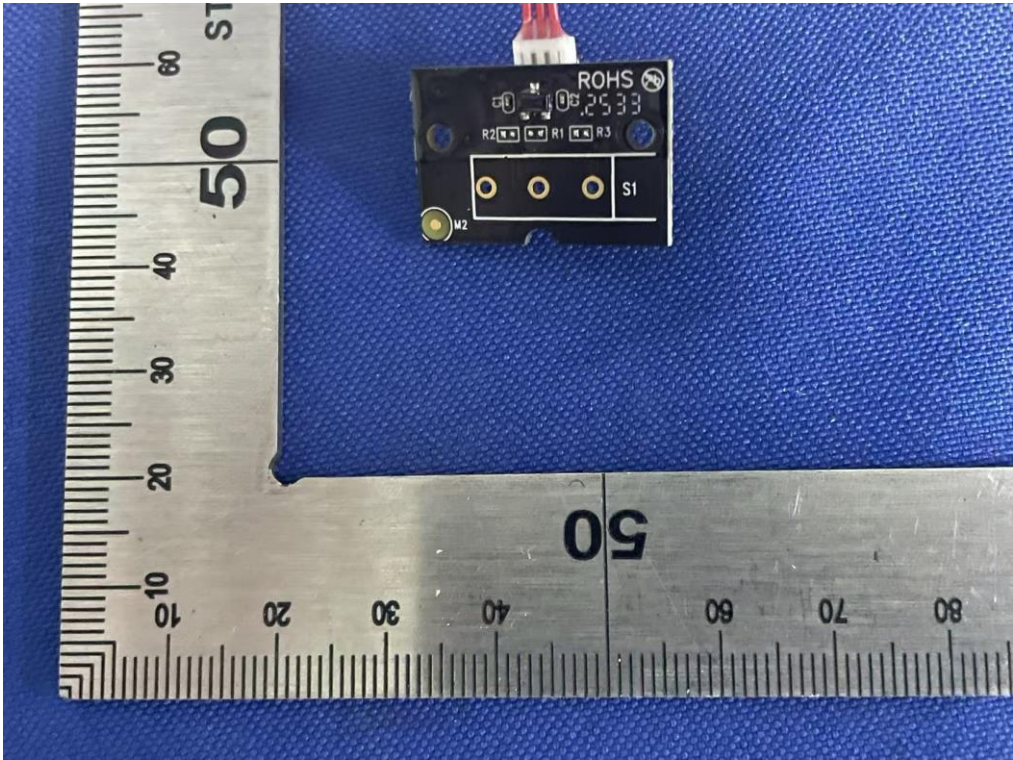
Report No.: SHE25110009-02GE

2026-01-23

Page 13 of 16



Internal-3 of the sample



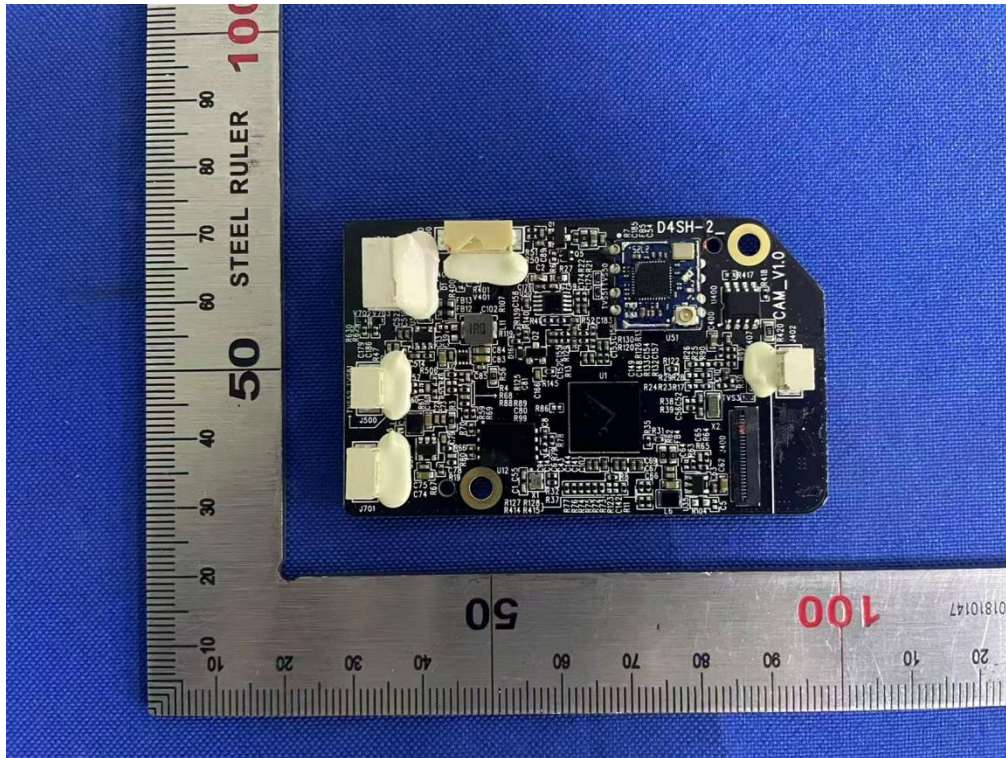
Internal-4 of the sample

MPE TEST REPORT

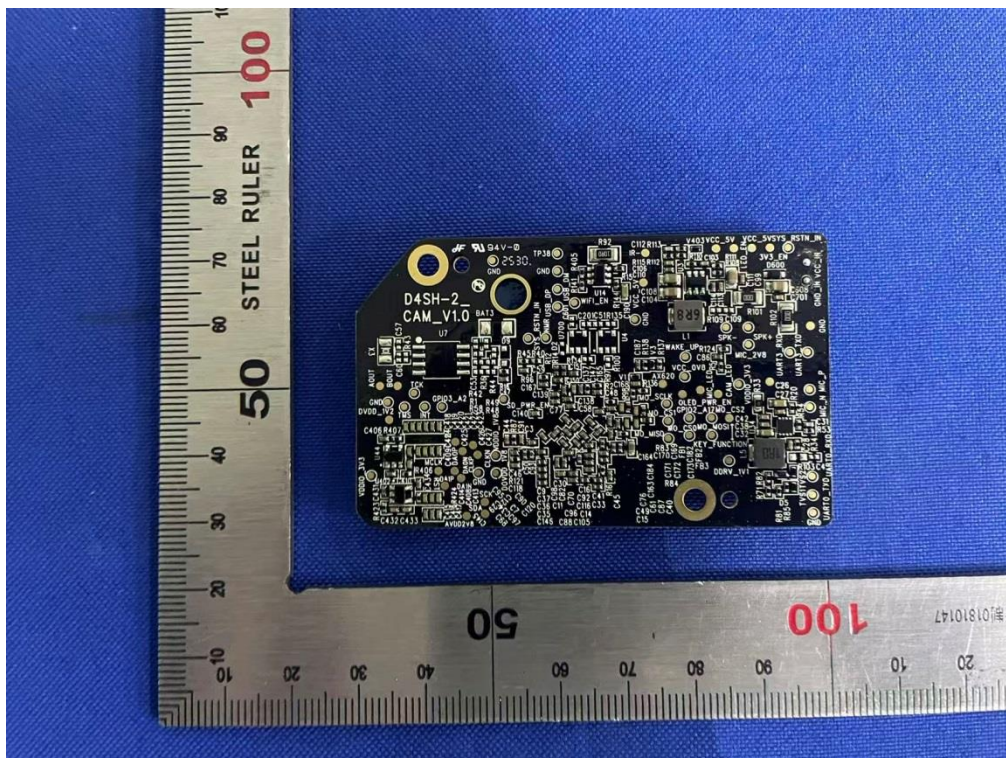
Report No.: SHE25110009-02GE

2026-01-23

Page 14 of 16



Internal-5 of the sample



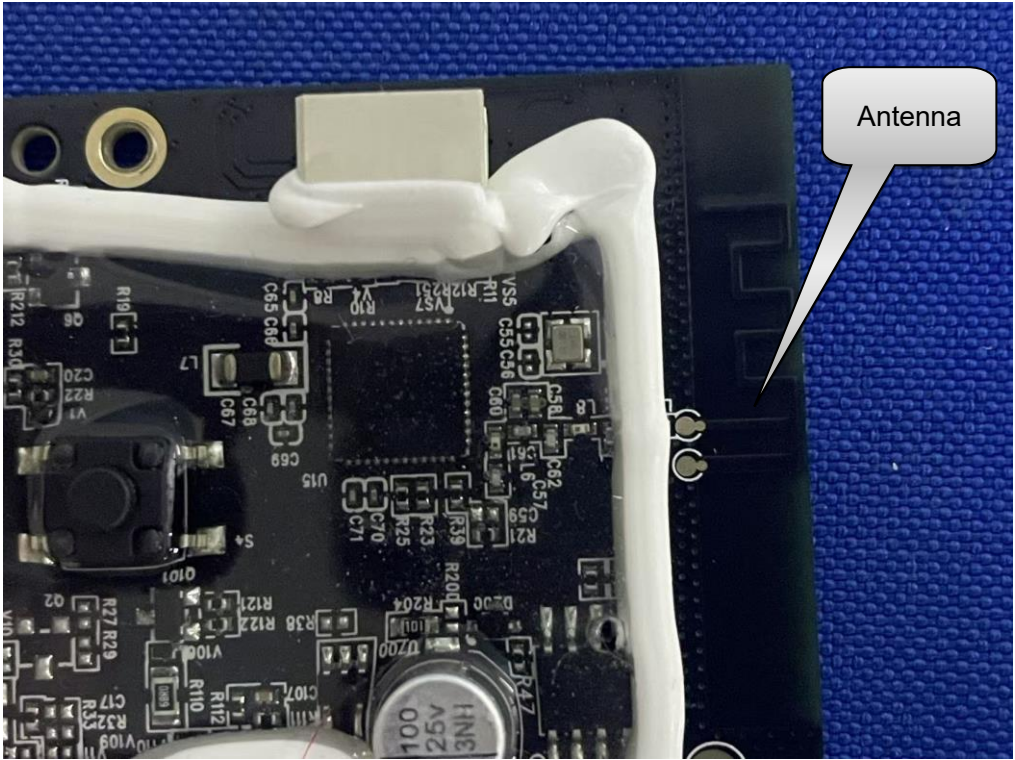
Internal-6 of the sample

MPE TEST REPORT

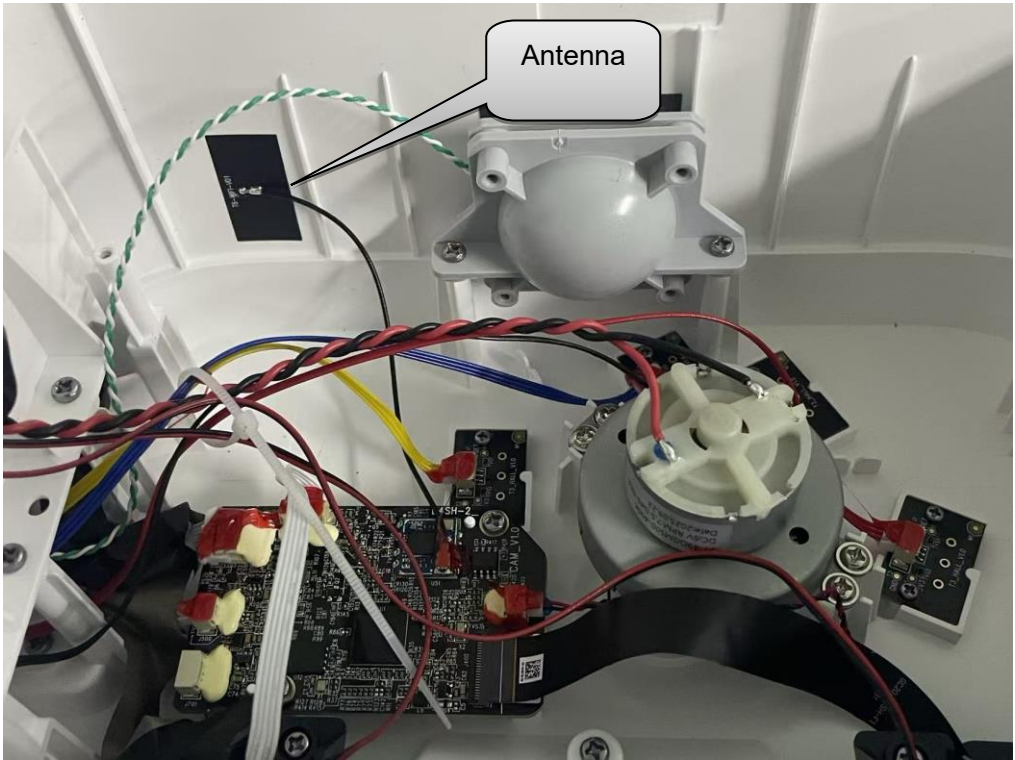
Report No.: SHE25110009-02GE

2026-01-23

Page 15 of 16



Bluetooth Antenna position



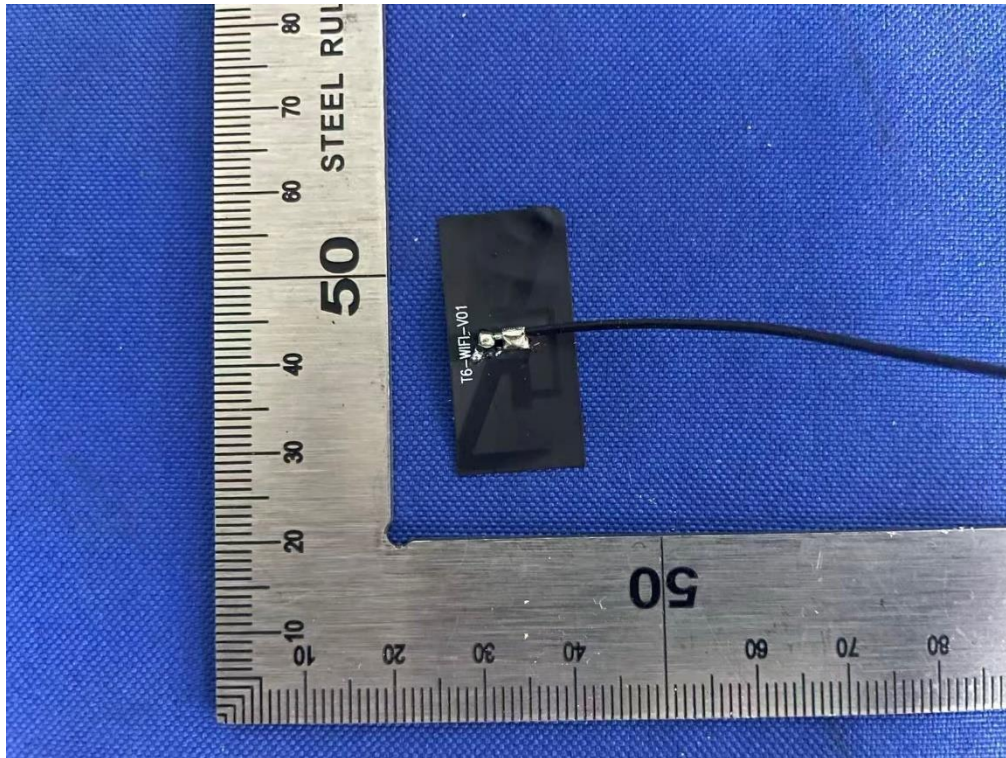
WIFI Antenna position

MPE TEST REPORT

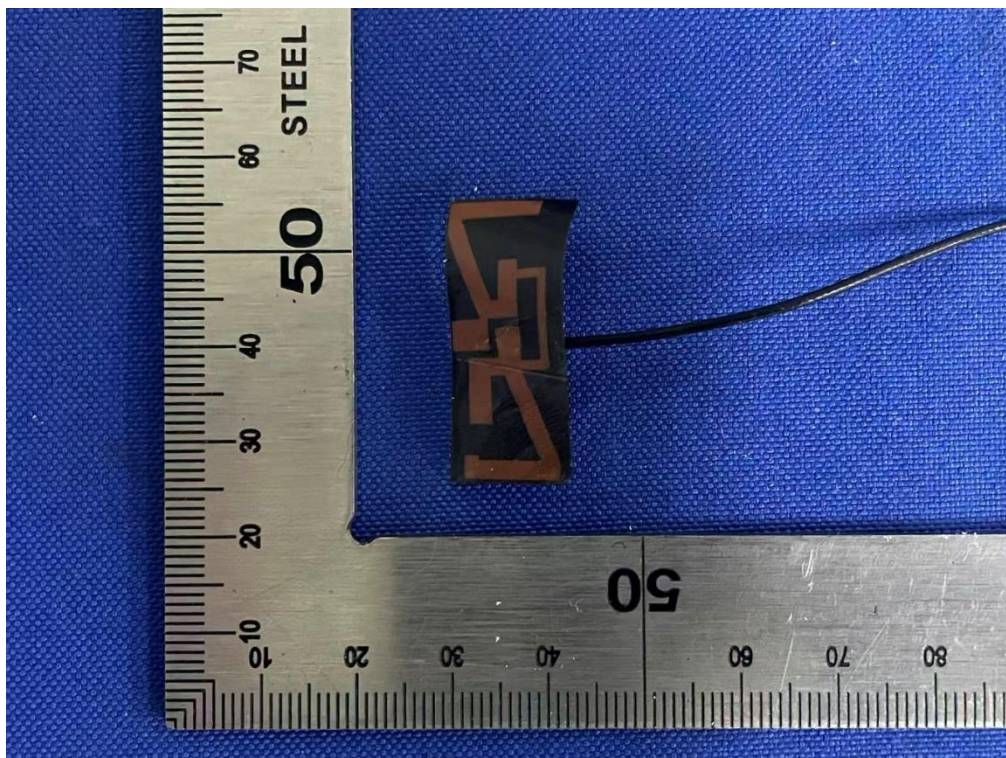
Report No.: SHE25110009-02GE

2026-01-23

Page 16 of 16



WiFi Antenna-Front



WiFi Antenna-Back

End of the report