

TEST REPORT

Report No.	CISER250714112
Project No.	CISE250714112
FCC ID	2AXE5-N20
Applicant	Wudaopu (Shenzhen) Technology Co., Ltd
Address	302, Block A1, Huafeng Zhigu, Aviation Road, Hangcheng Street, Bao'an District, Shenzhen
Manufacturer	Wudaopu (Shenzhen) Technology Co., Ltd
Address	302, Block A1, Huafeng Zhigu, Aviation Road, Hangcheng Street, Bao'an District, Shenzhen
Product Name	Ear inspection device with screen
Trademark	E-ENJOY
Model/Type reference	N20
Listed Model(s)	N22, N23
Standard	47 CFR Part 15, Subpart B
Test date	July 14, 2025 to July 17, 2025
Issue date	July 18, 2025
Test result	Complied

Rio Ye

Prepared by: Rio Ye

Genry Long

Approved by: Genry Long

The test results relate only to the tested samples.

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1. REPORT VERSION

Version No.	Issue date	Description
00	July 18, 2025	Original

2. TEST DESCRIPTION

No.	Test Item	Standard Requirement	Result
1	Conducted emissions on AC mains	15.107, Class B	Pass
2	Radiated emissions (Below 1GHz)	15.109, Class B	Pass

Note:

- The measurement uncertainty is not included in the test result.

3. SUMMARY

3.1. Product Description

Main unit information:	
Product Name:	Ear inspection device with screen
Trade Mark:	E-ENJOY
Model No.:	N20
Listed Model(s):	N22, N23
Model difference:	The difference between different models is that in this application, due to different sales channels and different model names.
Power supply:	DC 5V
Accessory unit information:	
Battery information:	DC 3.7V

3.2. Modification of EUT

No modifications are made to the EUT during all test items.

3.3. Deviation from standards

None

3.4. Testing Site

Laboratory Name	Shenzhen Bangce Testing Technology Co., Ltd.
Laboratory Location	101, building 10, Yunli Intelligent Park, Shutianpu community, Matian Street, Guangming District, Shenzhen, Guangdong, China
Contact information	Tel: 86-755-2319 6848, email: service@cis-cn.net Website: http://www.cis-cn.net/
FCC registration number	736346
FCC designation number	CN1372

4. TEST CONFIGURATION

4.1. Descriptions of test mode

No	Test mode	Description
TM1	Normal operating mode	Keep the EUT in normal operating mode with load.

4.2. Support unit used in test configuration

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Item	Equipment name	Trade Name	Model No.
1	Adapter	Guangdong Sangu Technology Co. Ltd	SG-0501000AU

4.3. Environmental conditions

Type	Requirement
Temperature:	15~35°C
Relative Humidity:	25~75%
Air Pressure:	860~1060mbar

4.4. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	AC Conducted Emission	1.63dB
8	Radiated Spurious Emission	3.76dB for 30MHz-1GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

4.5. Equipment Used during the Test

Conducted emissions on AC mains

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESCI7	100853	2025-01-08	2026-01-07
2	Artificial power network	Schwarzbeck	NSLK812 7	8127-01096	2025-01-08	2026-01-07
3	8-wire Impedance Stabilization Network	Schwarzbeck	NTFM 8158	8158-00337	2025-01-08	2026-01-07
4	Artificial power network	Schwarzbeck	ENV216	/	2025-01-08	2026-01-07

Radiated emissions (Below 1GHz)

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESCI7	100853	2025-01-08	2026-01-07
2	Broadband antenna	schwarabeck	VULB916 3	9163-1436	2023-01-08	2026-01-07
3	Amplifier	Tonscend	TAP9K3G 40	AP23A806027 0	2025-01-08	2026-01-07

5. TEST RESULTS

5.1. Emission Test Results (EMI)

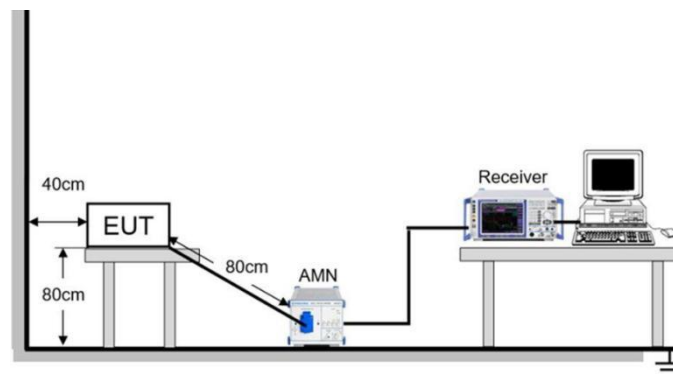
5.1.1. Conducted emissions on AC mains

Test Requirement:	15.107, Class B		
Test Limit:	Frequency of emission (MHz)	Conducted limit (dBμV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
	*Decreases with the logarithm of the frequency.		
Test Method:	ANSI C63.4-2014		
Procedure:	1. The EUT was setup according to ANSI C63.4:2014 2. The EUT was placed on a plat form of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. 3. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50ohm / 50uH coupling impedance for the measuring equipment. 4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor was individually connected through a LISN to the input power source. 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length. 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz. During the above scans, the emissions were maximized by cable manipulation.		

5.1.1.1. E.U.T. Operation

Operating Environment:					
Temperature:	23.1 °C	Humidity:	56.6 %	Atmospheric Pressure:	103 kPa
Pre test mode:	TM1				
Final test mode:	TM1				

5.1.1.2. Test Setup Diagram

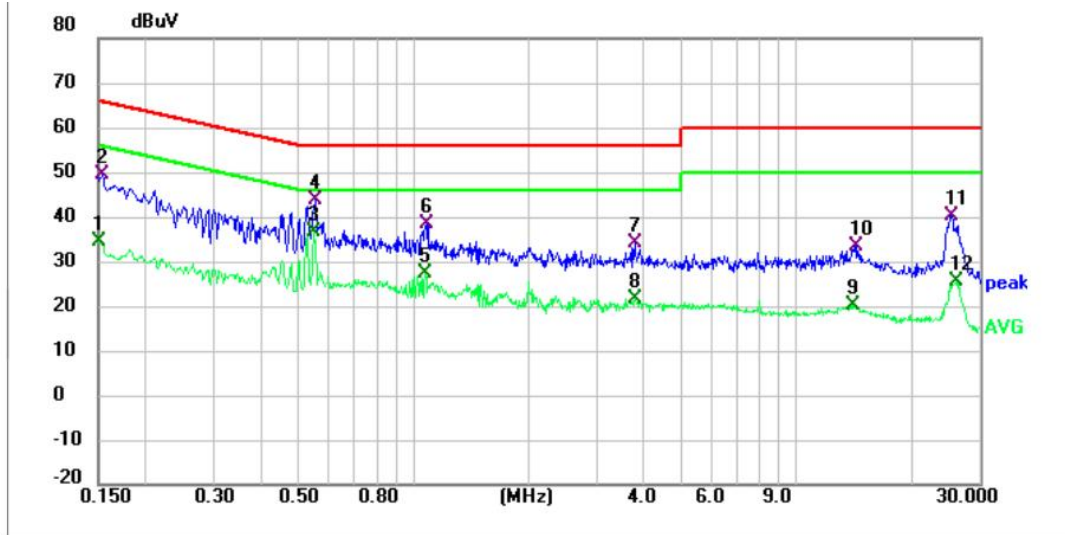


5.1.1.3. Test Result

Pass

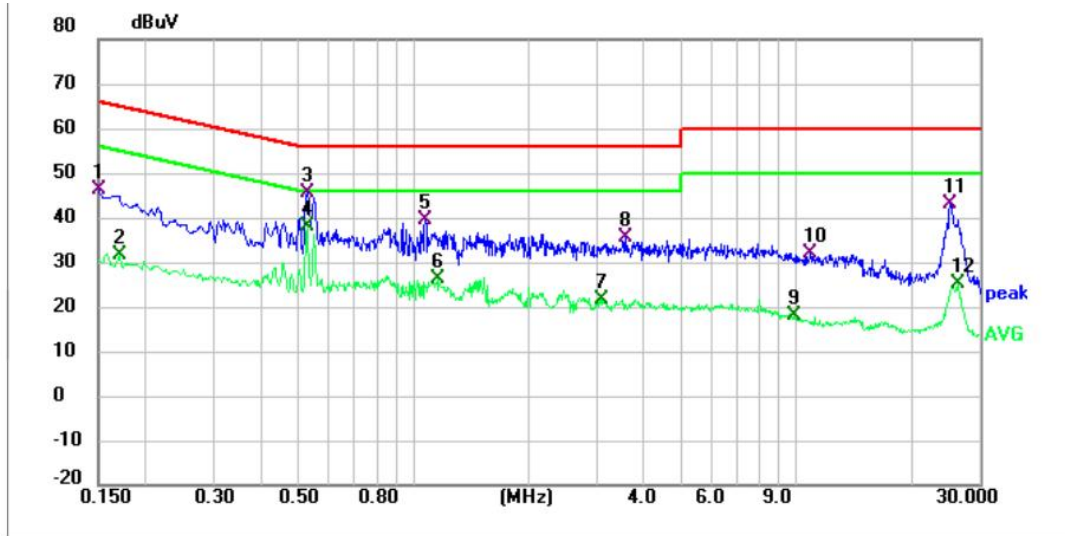
5.1.1.4. Test Data

TM1 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	23.98	10.32	34.30	56.00	-21.70	AVG
2	0.1539	39.02	10.32	49.34	65.79	-16.45	QP
3 *	0.5500	26.24	10.38	36.62	46.00	-9.38	AVG
4	0.5540	33.28	10.38	43.66	56.00	-12.34	QP
5	1.0740	16.78	10.45	27.23	46.00	-18.77	AVG
6	1.0780	27.93	10.45	38.38	56.00	-17.62	QP
7	3.7900	22.79	11.29	34.08	56.00	-21.92	QP
8	3.7900	10.33	11.29	21.62	46.00	-24.38	AVG
9	14.0020	4.45	15.70	20.15	50.00	-29.85	AVG
10	14.3740	17.55	15.90	33.45	60.00	-26.55	QP
11	25.4020	25.13	15.09	40.22	60.00	-19.78	QP
12	26.0900	10.38	15.04	25.42	50.00	-24.58	AVG

TM1 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	35.86	10.33	46.19	66.00	-19.81	QP
2	0.1700	21.19	10.32	31.51	54.96	-23.45	AVG
3	0.5260	35.30	10.38	45.68	56.00	-10.32	QP
4 *	0.5260	27.76	10.38	38.14	46.00	-7.86	AVG
5	1.0740	29.08	10.45	39.53	56.00	-16.47	QP
6	1.1539	15.72	10.47	26.19	46.00	-19.81	AVG
7	3.1020	10.65	11.03	21.68	46.00	-24.32	AVG
8	3.5660	24.25	11.22	35.47	56.00	-20.53	QP
9	9.8460	4.50	13.57	18.07	50.00	-31.93	AVG
10	10.8500	17.93	13.97	31.90	60.00	-28.10	QP
11	25.2700	27.80	15.33	43.13	60.00	-16.87	QP
12	26.3420	10.07	15.20	25.27	50.00	-24.73	AVG

Note:

Level= Read Level+ Cable Loss+ LISN Factor

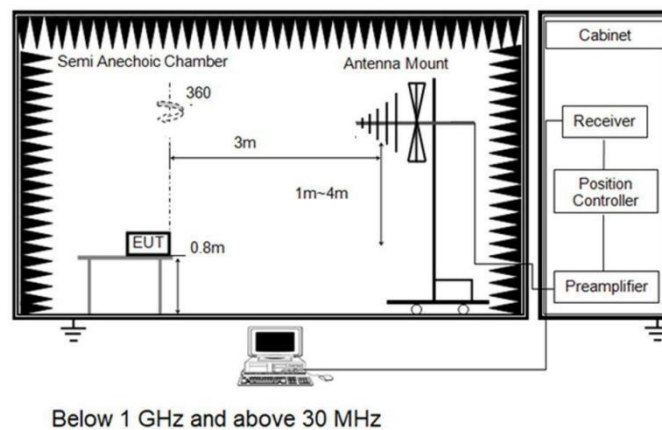
5.1.2. Radiated emissions (Below 1GHz)

Test Requirement:	15.109, Class B				
Test Limit:	Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:				
	Frequency of emission (MHz)	Field strength @3m		Field strength @10m	
		(uV/m)	(dBuV/m)	(uV/m)	(dBuV/m)
	30 – 88	100	40	30	29.5
	88 – 216	150	43.5	45	33.1
	216 – 960	200	46	60	35.6
	Above 960	500	54	150	43.5
Test Method:	ANSI C63.4-2014				
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor				

5.1.2.1. E.U.T. Operation

Operating Environment:					
Temperature:	22.7 °C	Humidity:	55.9 %	Atmospheric Pressure:	103 kPa
Pre test mode:	TM1				
Final test mode:	TM1				

5.1.2.2. Test Setup Diagram

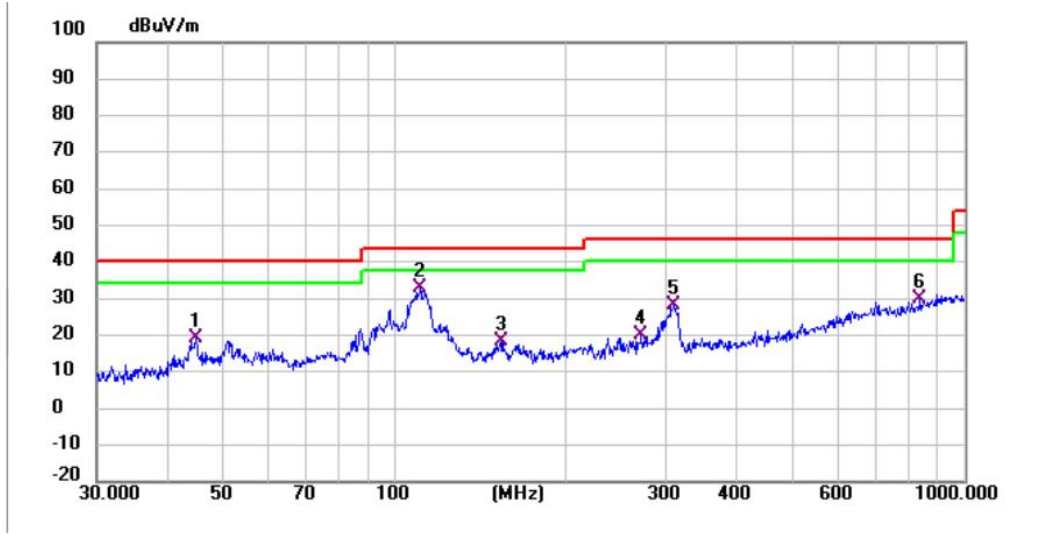


5.1.2.3. Test Result

Pass

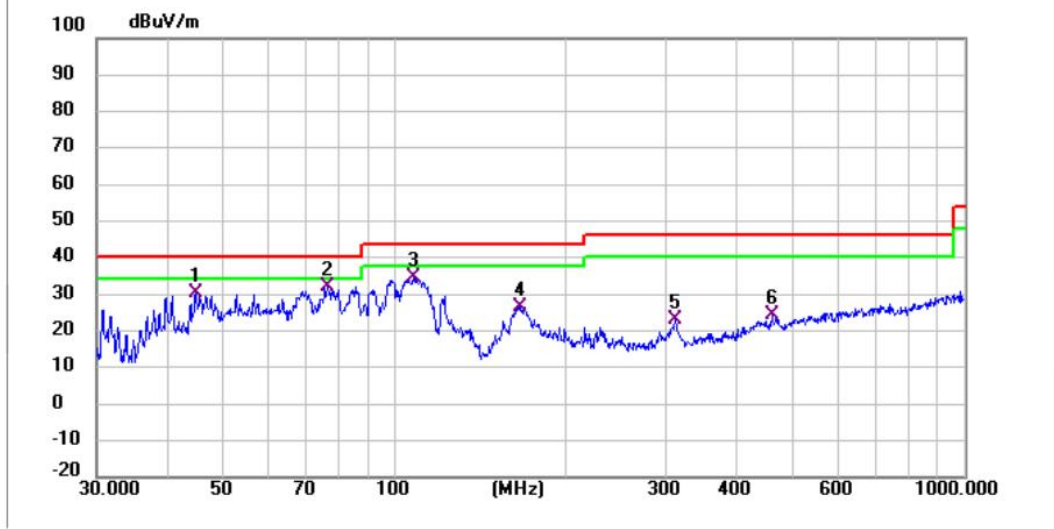
5.1.2.4. Test Data

TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	44.7433	48.50	-29.46	19.04	40.00	-20.96	QP
2 *	110.9571	63.67	-30.68	32.99	43.50	-10.51	QP
3	153.7385	51.62	-33.25	18.37	43.50	-25.13	QP
4	271.3246	48.36	-28.23	20.13	46.00	-25.87	QP
5	309.9977	55.01	-26.99	28.02	46.00	-17.98	QP
6	836.2443	45.88	-16.15	29.73	46.00	-16.27	QP

TM1 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	44.7433	59.76	-29.46	30.30	40.00	-9.70	QP
2 *	76.5121	66.49	-34.22	32.27	40.00	-7.73	QP
3	108.2667	65.37	-30.58	34.79	43.50	-8.71	QP
4	166.6514	59.30	-32.67	26.63	43.50	-16.87	QP
5	311.0867	50.00	-26.91	23.09	46.00	-22.91	QP
6	459.1144	47.43	-23.10	24.33	46.00	-21.67	QP

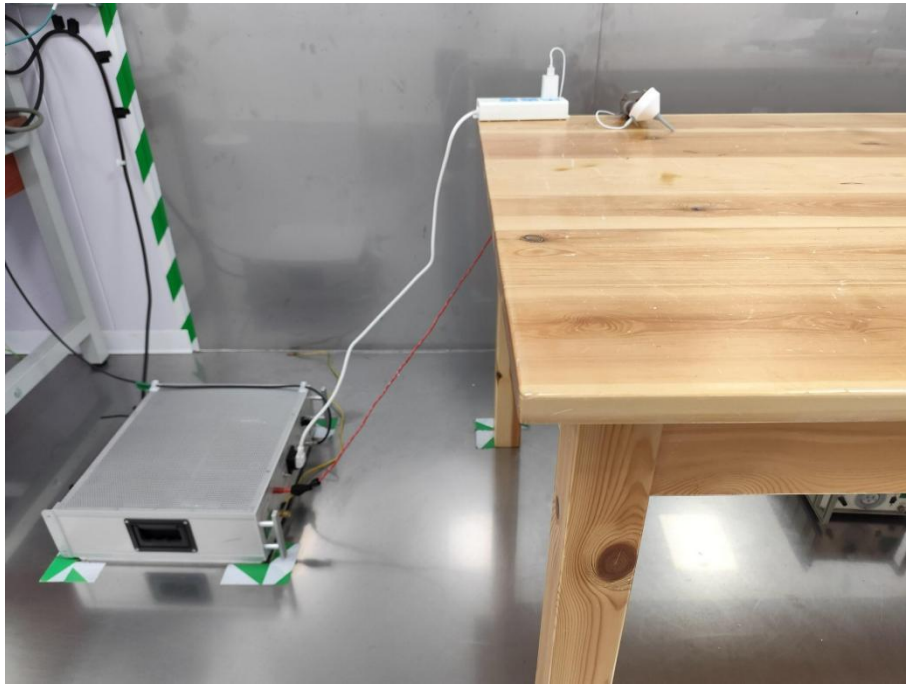
Note:

1) Level= Reading + Factor; Factor =Antenna Factor+ Cable Loss- Preamp Factor

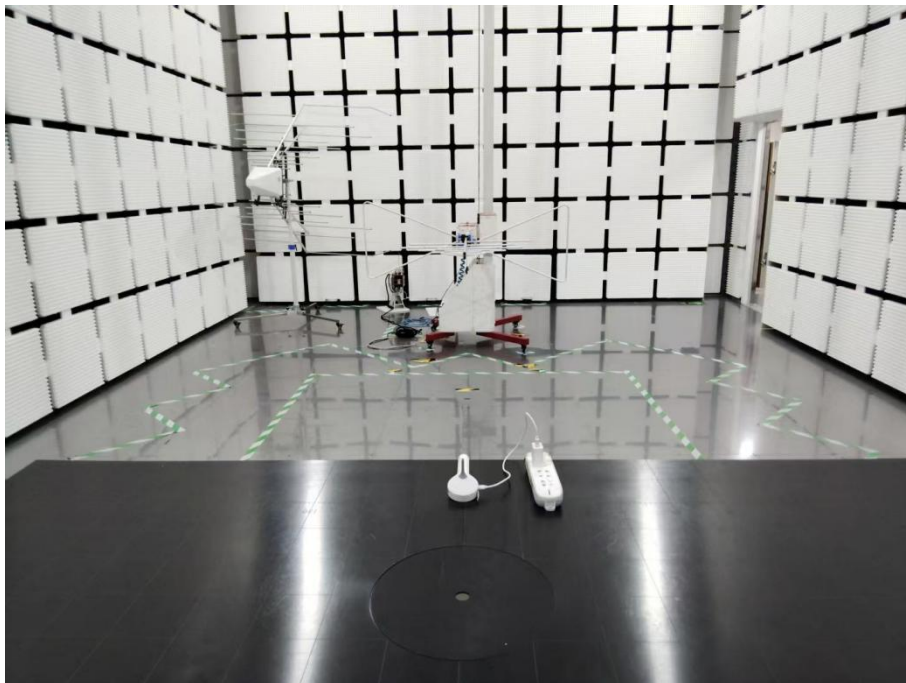
2) Margin = Level – Limit

6. TEST SETUP PHOTOS

Conducted emissions on AC mains



Radiated emissions (Below 1GHz)



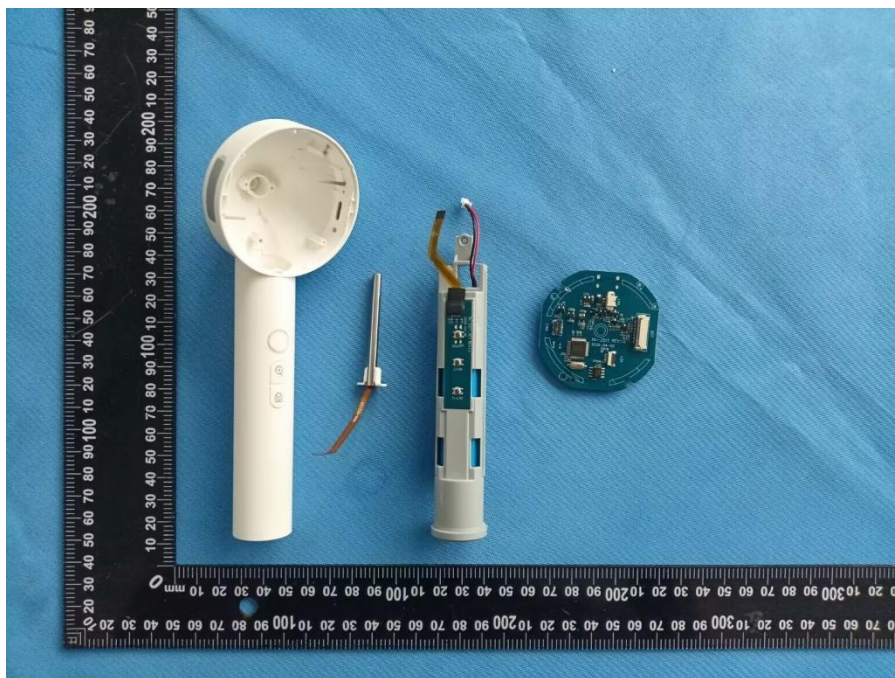
7. EXTERNAL AND INTERNAL PHOTOS

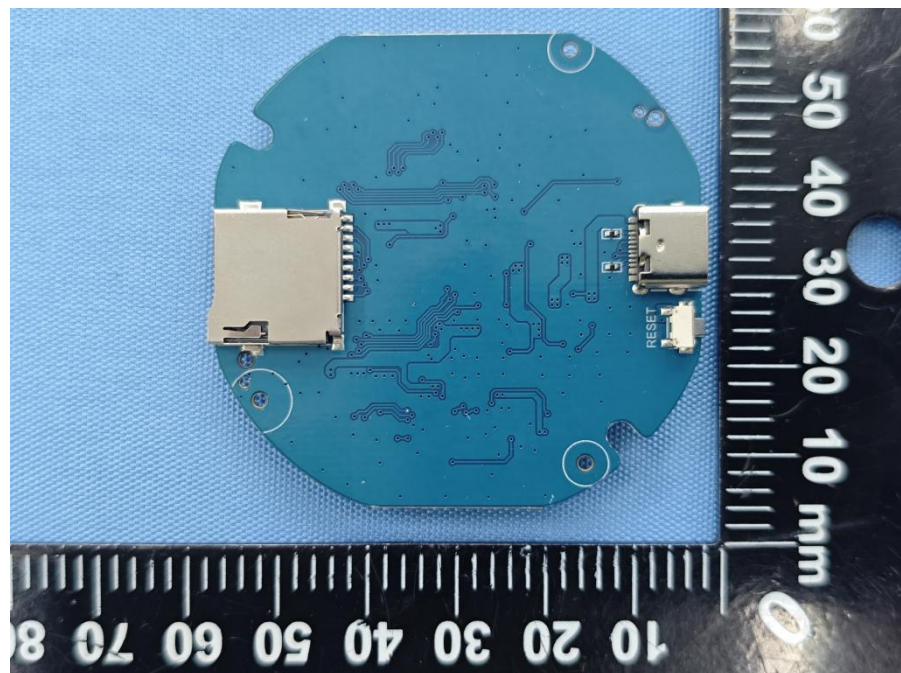
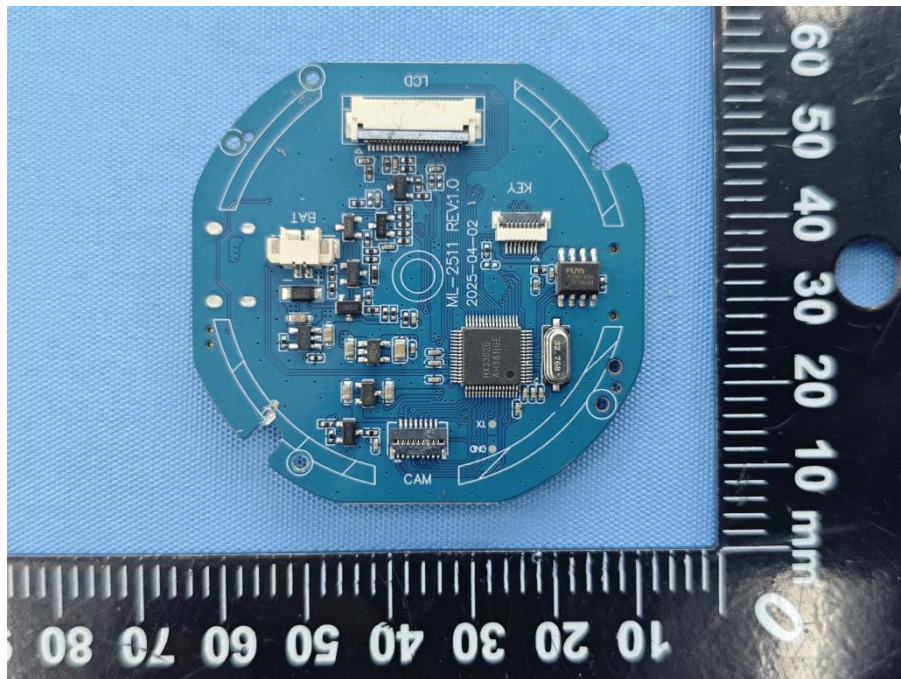
7.1. External Photos

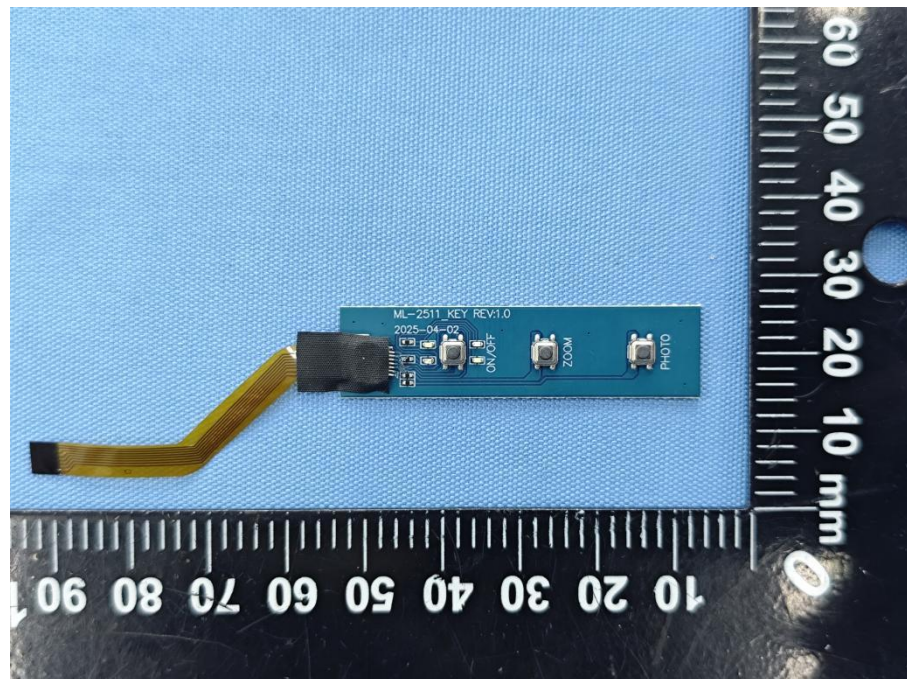
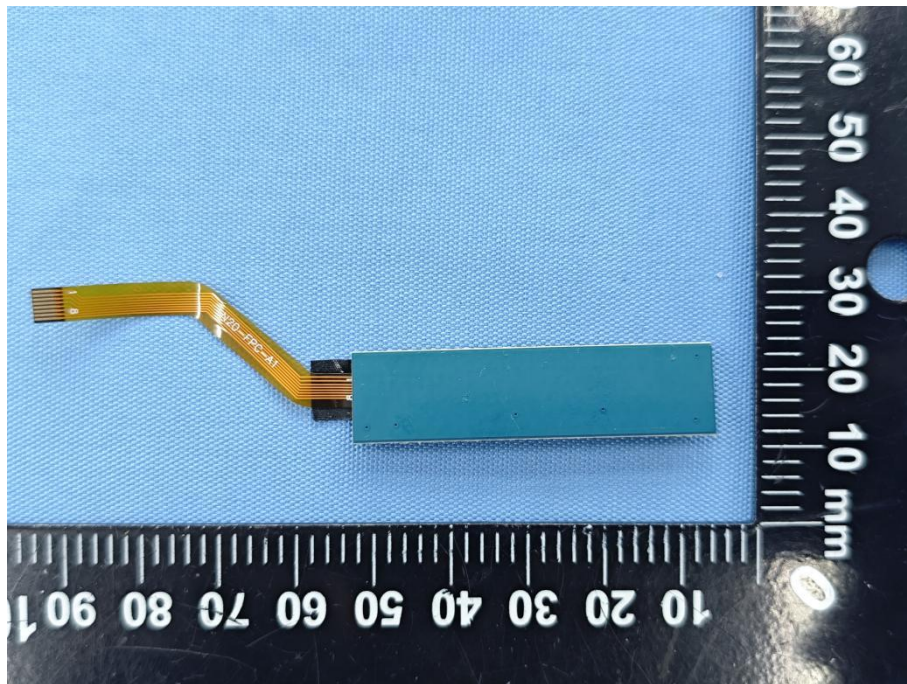


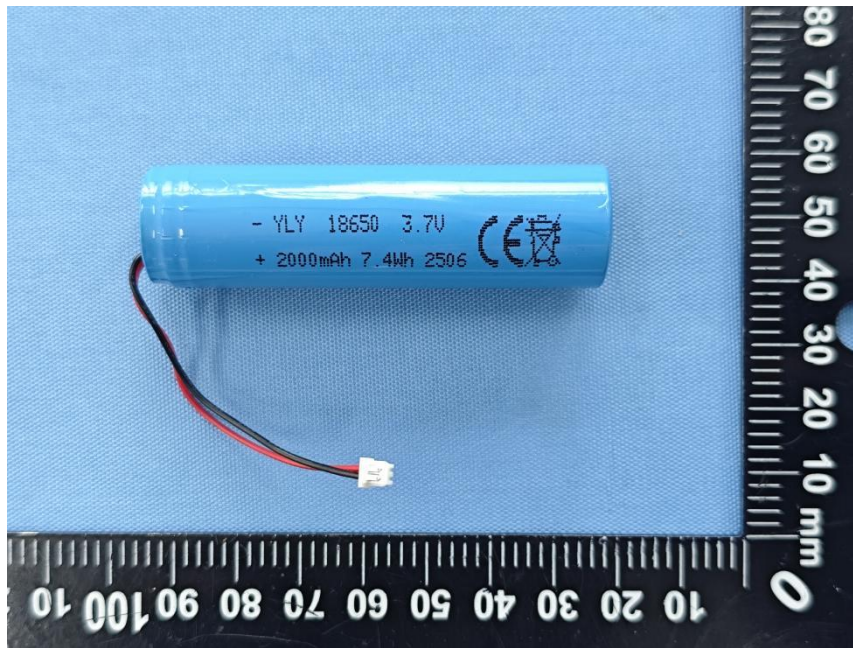


7.2. Internal Photos









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