Report No.: DACE250428033RL004

000004812

TEST REPORT

Applicant's Name	:	Shenzhen Huafurui Technology Co., Ltd.
Address	:	Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China

Report on the submitted sample said to be:

Sample Name	:	Wireless Earphone
Trade Mark	:	CUBOT
Model(s)	:	Cubot Neo 1
Manufacturer	:	Shenzhen Huafurui Technology Co., Ltd.
Address	:	Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Testing Laboratory	:	Shenzhen DACE Testing Technology Co., Ltd.
Test Conclusion	:	Based on the performed tests on submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs). Polybrominated diphenyl ethers (PBDEs), Bis (2-ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Di Iso Butyl Ortho Phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.
Testing Period	:	Apr. 28, 2025 to May 08, 2025
Date of Report	:	May 08, 2025

Testing Requested:	**Results**
Selected test(s) as requested by client	**Pass**

Prepared by: Trudie — Trudie

Examine By: Calvin Chen — Calvin Chen

Approved(Manager): Machael Mo — Machael Mo

Shenzhen DACE Testing Technology Co., Ltd. APPROVED

Testing method:

1. With reference to IEC 62321-1:2013, review was performed for the samples disjointed from the submitted articles submitted by the Applicant

2. Tests were performed for the samples indicated by the photos in the report with test methods reference to IEC 62321-1:2013, Procedures for the determination of Levels of Six regulated Substances in Electrotechnical Products

(1) With reference to IEC 62321-3-1:2013, Screening by XRF Fluorescence Spectrometry

(2) With reference to IEC 62321-2:2021, Perform disassembly and mechanical sample preparation

(3) Wet Chemical Test Method

a. With reference to IEC 62321-5:2013, Determination of Lead & Cadmium by ICP-OES or AAS

b. With reference to IEC 62321-4:2013+A1:2017, Determination of Mercury by ICP-OES

c. With reference to IEC 62321-7-1:2015 and IEC 62321-7-2:2017, Determination of Hexavalent Chromium by Spot or Colorimetic Method

d. With reference to IEC 62321-6:2015, Determination of PBBs and PBDEs by GC-MS

e. With reference to IEC 62321-8:2017, Determination of DEHP, DIBP, DBP and BBP by GC-MS

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
1.	PCB	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	IN	PBBs=ND PBDEs=ND	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
2.	Black shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
3.	Black transparent shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
4.	magnet	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	-	-	-
		DEHP	-	-	-
		BBP	-	-	-
		DBP	-	-	-
		DIBP	-	-	-

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
5.	TYPE-C interface	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
6.	Black case (headphones)	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
7.	Black plastic	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
8.	Magnetic charging port	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	-	-	-
		DEHP	-	-	-
		BBP	-	-	-
		DBP	-	-	-
		DIBP	-	-	-

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
9.	Silver shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	-	-	-
		DEHP	-	-	-
		BBP	-	-	-
		DBP	-	-	-
		DIBP	-	-	-
10.	Copper core	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	-	-	-
		DEHP	-	-	-
		BBP	-	-	-
		DBP	-	-	-
		DIBP	-	-	-
11.	speaker	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
12.	White glue	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
13.	IC	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
14.	Crystal oscillator	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
15.	speaker	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
16.	SMD LED	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
17.	SMD resistor	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
18.	SMD capacitors	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
19.	solder	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	-	-	-
		DEHP	-	-	-
		BBP	-	-	-
		DBP	-	-	-
		DIBP	-	-	-
20.	Black plastic wire cover	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
21.	Red plastic wire cover	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
22.	Purple shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
23.	Pink shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
24.	Green shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
25.	Green transparent shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
26.	Beige shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
27.	Light pink shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
28.	Light purple shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
29.	Purple transparent shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
30.	Light green shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
31.	Silver shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
32.	Silver transparent shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply

Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of Wet Chemical Testing (2mg/kg)	Conclusion on RoHS
33.	Black shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply
34.	Black transparent shell	Pb	BL	-	Comply
		Cd	BL	-	Comply
		Hg	BL	-	Comply
		Cr(Ⅵ)	BL	-	Comply
		Br	BL	-	Comply
		DEHP	IN	ND	Comply
		BBP	IN	ND	Comply
		DBP	IN	ND	Comply
		DIBP	IN	ND	Comply

Remark:

(1) (a) It is the result on total Br while test item on restricted is PBBs\PBDEs. It is the result on total Cr^{6+} while test item on restricted substances is Cr^{6+}.

(b) Results are obtained by EDXRF for primary screening ,and further chemical testing by ICP(for Cd, Pb, Hg), UV-VIS(for Cr^{6+}) and GC\MS (for PBBs, PBDEs) is recommended to be performed , if the concentration exceeds the below warning value according to IEC62321(unit: mg\kg)

Element	Polymer	Metal	Composite Materals
Cd	BL≤（70-3σ）<X<(130+3σ) ≤OL	BL≤（70-3σ）<X<(130+3σ) ≤OL	LOD<X<(150+3σ) ≤OL
Pb	BL≤（700-3σ）<X<(1300+3σ) ≤OL	BL≤（700-3σ）<X<(1300+3σ) ≤OL	BL≤（500-3σ）<X<(1500+3σ) ≤OL
Hg	BL≤（700-3σ）<X<(1300+3σ) ≤OL	BL≤（700-3σ）<X<(1300+3σ) ≤OL	BL≤（500-3σ）<X<(1500+3σ) ≤OL
Br	BL≤（300-3σ）<X	--	BL≤（250-3σ）<X
Cr	BL≤（700-3σ）<X	BL≤（700-3σ）<X	BL≤（500-3σ）<X

(c)BL=Below Limit, OL=Over Limit, IN=Inconclusive, LOD=Limit of Detection,-=Not Regulated,

Negative = A negative test result indicated above positive observation was not found at the time of testing. When the spot-test showed a negative result, the boiling-water-extraction procedure shall be used to verify the result.

(#1) = As claimed by the declaration submitted by the client, the Lead content of the components is coming from the constituent of ceramic part of the electronic component only. According to EU RoHS Directive, Lead in electronic ceramic parts of this component can be exempted.

(d)The XRF screening test for RoHS elements-The reading may be different to the actual content in the sample be of non-uniformity composition,

(2) (a) mg\kg=ppm=0.0001%, ND=Not Detected{<MDL)),

(b)Unit and Method Detection Limit(MDL)in wet chemical test

Test Items	Units	MDL	EU RoHS Limit
Pb	mg/kg	2	1000
Cd	mg/kg	2	100
Hg	mg/kg	2	1000
Cr(VI)	mg/kg	0.02 mg/50 cm^2(Metal) 2	1000
PBBs	mg/kg	5	1000
PBDEs	mg/kg	5	1000
DEHP	mg/kg	5	1000
BBP	mg/kg	5	1000
DBP	mg/kg	5	1000
DIBP	mg/kg	5	1000

(c) According to IEC 62321, result on Cr for metal sample is shown as Positive\Negative, Negative=Absence of Cr^{6+} coating, Positive=Presence of Cr^{6+} coating.

(d) ▲As declared by the client the materials fall into exemption items according to RoHS Directive 2011\65\EU recasting 2002\95\EC

Photograph of sample

DACE authenticate the photo on original report only

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

Photo 7

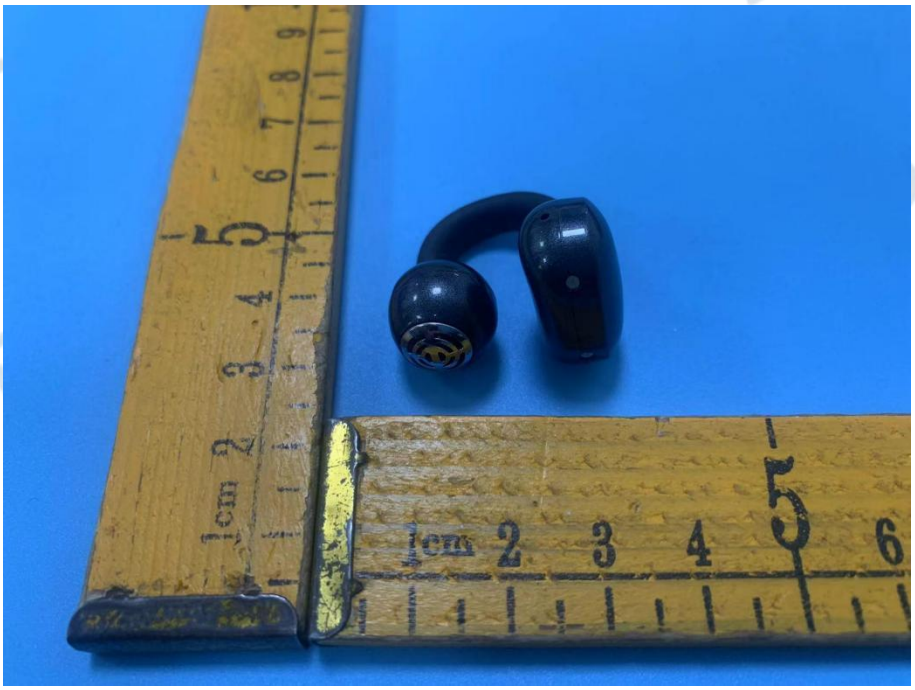

Photo 8

Photo 9

Photo 10

Photo 11

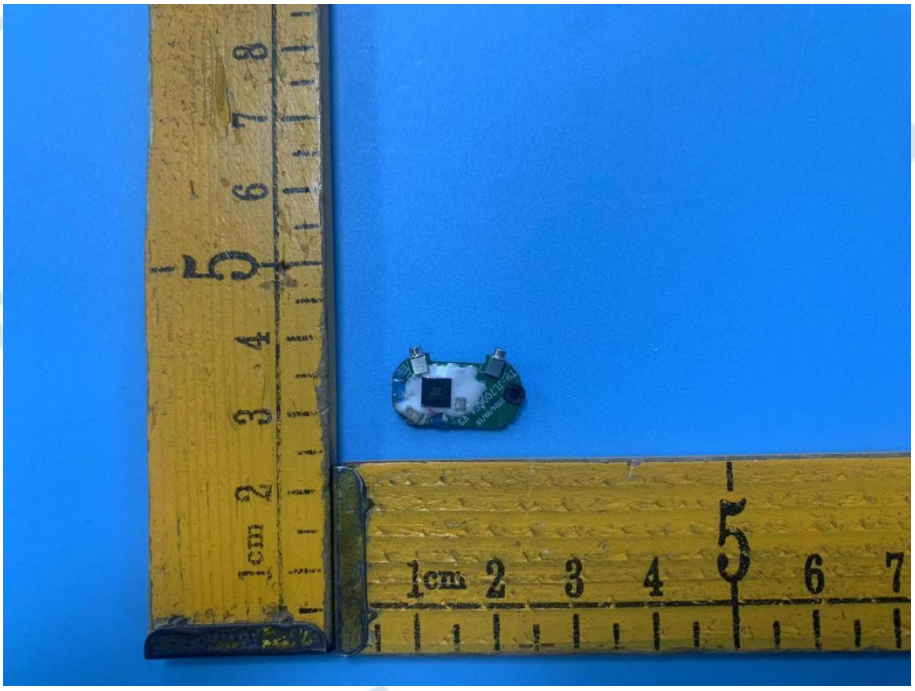

Photo 12

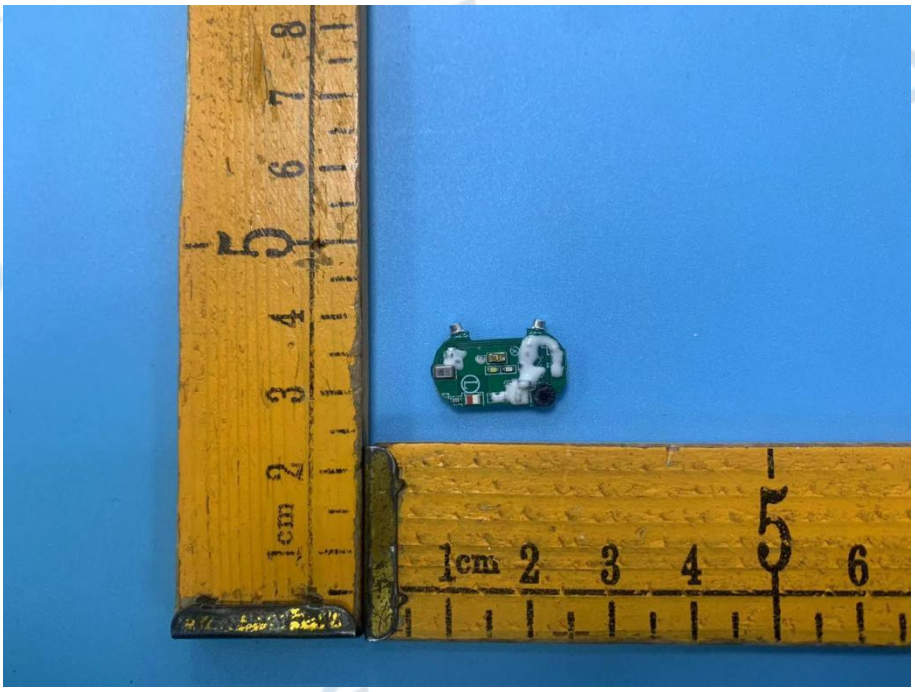

Photo 13

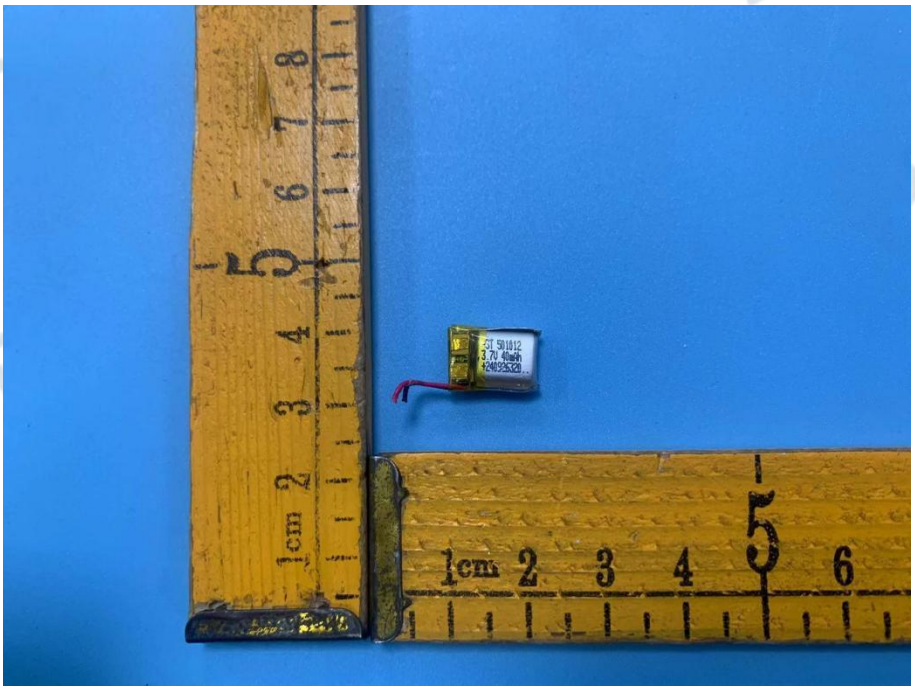

Photo 14

※※※※※END OF REPORT※※※※※