

TEST REPORT

Report No.: BCTC2504034577R

Applicant: Shenzhen Huafurui Technology Co., Ltd.

Product Name: Smartphone

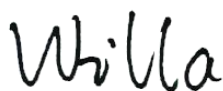
Test Model: KINGKONG ES 3

Tested Date: 2025-04-07 to 2025-04-24

Issued Date: 2025-06-05

Shenzhen BCTC Testing Co., Ltd.



Product Name	Smartphone
Test Model	KINGKONG ES 3
Applicant	Shenzhen Huafului 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
Manufacturer	Shenzhen Huafului 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
Trademark	CUBOT
Sample Received Date	2025-04-07
Test Type	Entrustment Test
Test Method	Please refer to the following page(s).
Test Requested	1. As specified by client, to screen Lead(Pb), Cadmium(Cd), Mercury(Hg), Chromium(Cr) and Bromine(Br) in the submitted sample(s) by XRF. 2. As specified by client, when screening results exceed the XRF screening limit in IEC 62321-3-1:2013, further use of chemical methods are required to test the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs) in the submitted sample(s). 3. As specified by client, to test the Diisobutyl phthalate(DIBP), Dibutyl phthalate(DBP), Butyl benzyl phthalate(BBP), Bis(2-ethylhexyl) phthalate(DEHP) in the submitted sample(s).
Test Standard	RoHS Directive 2011/65/EU and amendment Commission Delegated Directive (EU) 2015/863
Test Result	The samples were tested according to the entrusted requirements and test standard, and the test items of the test samples were qualified.
Prepared by:	 Willa  Saher Chen

Test Method:
A. XRF screening limits for regulated elements according to IEC 62321-3-1:2013

Element	Screening limits of IEC 62321-3-1:2013		
	Unit (mg/kg)		
	Polymers	Metals	Composite material
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Br	$BL \leq (300-3\sigma) < X$	--	$BL \leq (250-3\sigma) < X$

B. Screening limits for PBBs&PBDEs

Test Item(s)	Screening limits Unit (mg/kg)
Polybrominated Biphenyls (PBBs)	$P \leq 300 < IN$
Polybrominated Diphenyl Ethers (PBDEs)	$P \leq 300 < IN$

C. Screening limits for Phthalates

Test Item(s)	Screening limits Unit (mg/kg)
Diisobutyl phthalate(DIBP)	BL≤600<X
Dibutyl phthalate(DBP)	BL≤600<X
Butyl benzyl phthalate(BBP)	BL≤600<X
Bis(2-ethylhexyl) phthalate(DEHP)	BL≤600<X

Note:

- BL= Under the screening limit
- OL= Further chemical test will be conducted while result is above the screening limit
- X= The symbol “X” marks the region where further investigation is necessary
- 3σ= The reproducibility of analytical instruments
- LOD= Detection limit
- P= PASS
- IN= Uncertain, further chemical test
- “--”= Not regulated

D. Chemical Test

Test Item(s)	Test Method	Measured Equipment(s)	MDL	Limit
Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	1000 mg/kg
Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	100 mg/kg
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015 Ed.1.0	UV-VIS	0.10 µg/cm ²	1000 mg/kg
	IEC 62321-7-2:2017 Ed.1.0		8 mg/kg	
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015 Ed.1.0	GC-MS/ HPLC-DAD	100 mg/kg	1000 mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015 Ed.1.0	GC-MS/ HPLC-DAD	100 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP)	IEC 62321-8:2017 Ed.1.0	GC-MS	50 mg/kg	1000 mg/kg
Dibutyl phthalate (DBP)	IEC 62321-8:2017 Ed.1.0	GC-MS	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP)	IEC 62321-8:2017 Ed.1.0	GC-MS	50 mg/kg	1000 mg/kg
Bis(2-ethylhexyl) phthalate (DEHP)	IEC 62321-8:2017 Ed.1.0	GC-MS	50 mg/kg	1000 mg/kg

Test Result(s):

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
1	Black rubber	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	/	N.D.		
		DBP	/	/	N.D.		
		BBP	/	/	N.D.		
		DEHP	/	/	N.D.		
2	Orange plastic	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
3	Transparent plastic	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
4	Transparent plastic	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	BL	/		
		DEHP	/	BL	/		
5	Black double sided tape	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
6	Gold metal rivet	Pb	21221	/	26015#	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
7	Black plastic	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	1361	/	N.D.		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
8	Light gray metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	/	/		
		DEHP	/	/	/		
9	Graphene patch	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
10	Gray metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
11	Black plastic	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
12	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	161462	/	Negative		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	/	/		
		DEHP	/	/	/		
13	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
14	Silver metal sheet	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	119305	/	Negative		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
15	Display screen	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
16	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	157101	/	Negative		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	/	/		
		DEHP	/	/	/		
17	Black FPC	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
18	Glass	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
19	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
20	Black plastic	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	BL	/		
		DEHP	/	BL	/		
21	Black wire jacket	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
22	Red wire jacket	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
23	Black wire jacket	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	/	N.D.		
		DBP	/	/	N.D.		
		BBP	/	/	N.D.		
		DEHP	/	/	N.D.		
24	Black FPC	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	BL	/		
		DEHP	/	BL	/		
25	Black FPC	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
26	White glue	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
27	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
28	Black plastic	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	BL	/		
		DEHP	/	BL	/		
29	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	108368	/	Negative		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
30	Black PCB	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
31	Tin solder	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
32	Black PCB	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	BL	/		
		DEHP	/	BL	/		
33	Silver metal shielding cover	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
34	Copper foil	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
35	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	68324	/	Negative		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
36	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	78734	/	Negative		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	/	/		
		DEHP	/	/	/		
37	White plastic	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	329	/	P		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
38	Silver metal pin	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
39	Green PCB	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	18023	/	P		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
40	Tin solder	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	/	/		
		DEHP	/	/	/		
41	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
42	Black magnet	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
43	Yellow tape	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
44	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	78134	/	Negative		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	/	/		
		DEHP	/	/	/		
45	Black plastic	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	455	/	P		
		DIBP	/	/	N.D.		
		DBP	/	/	N.D.		
		BBP	/	/	N.D.		
		DEHP	/	/	N.D.		
46	Silver metal sheet	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
47	White outside wire jacket	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	/	N.D.		
		DBP	/	/	N.D.		
		BBP	/	/	N.D.		
		DEHP	/	/	N.D.		
48	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	71913	/	Negative		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	/	/		
		DEHP	/	/	/		
49	White plastic	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	/	N.D.		
		DBP	/	/	N.D.		
		BBP	/	/	N.D.		
		DEHP	/	/	114		
50	White wire jacket	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	/	N.D.		
		DBP	/	/	N.D.		
		BBP	/	/	N.D.		
		DEHP	/	/	N.D.		
51	Green wire jacket	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	/	N.D.		
		DBP	/	/	N.D.		
		BBP	/	/	N.D.		
		DEHP	/	/	N.D.		
52	Yellow wire jacket	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	/	N.D.		
		DBP	/	/	N.D.		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	/	N.D.		
		DEHP	/	/	N.D.		
53	Pink wire jacket	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	/	N.D.		
		DBP	/	/	N.D.		
		BBP	/	/	N.D.		
		DEHP	/	/	71		
54	Black wire jacket	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	/	N.D.		
		DBP	/	/	N.D.		
		BBP	/	/	N.D.		
		DEHP	/	/	74		
55	White plastic	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
56	Black dustproof net	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	BL	/		
		DBP	/	BL	/		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	BL	/		
		DEHP	/	BL	/		
57	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
58	Green PCB	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	31995	/	P		
		DIBP	/	BL	/		
		DBP	/	BL	/		
		BBP	/	BL	/		
		DEHP	/	BL	/		
59	Tin solder	Pb	BL	/	/	PASS	2025-04-09 2025-04-23
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
60	White plastic	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	/	N.D.		
		DBP	/	/	N.D.		

Sample No.	Sample Description	Test Item(s)	XRF Screening Test Unit (mg/kg)	Phthalates Screening Test Unit (mg/kg)	Chemical Test Unit (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
		BBP	/	/	N.D.		
		DEHP	/	/	N.D.		
61	Silver metal	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	62270	/	Negative		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		
62	White wire jacket	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	BL	/	/		
		DIBP	/	/	N.D.		
		DBP	/	/	N.D.		
		BBP	/	/	N.D.		
		DEHP	/	/	N.D.		
63	Silver white aluminum plastic film	Pb	BL	/	/	PASS	2025-04-09
		Cd	BL	/	/		
		Hg	BL	/	/		
		Cr(Cr(VI))	BL	/	/		
		Br(PBBs&PBDEs)	/	/	/		
		DIBP	/	/	/		
		DBP	/	/	/		
		BBP	/	/	/		
		DEHP	/	/	/		

Note:

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

-“ / ”= Not conducted.

-The sample is negative for Cr(VI) – The Cr(VI) concentration is below $0.10\mu\text{g}/\text{cm}^2$. The coating is considered a non-Cr(VI) based coating.

-The sample is positive for Cr(VI) – The Cr(VI) concentration is above $0.13\mu\text{g}/\text{cm}^2$. The sample coating is considered to contain Cr(VI).

-The result is considered to be inconclusive -The Cr(VI) concentration is between the $0.10\mu\text{g}/\text{cm}^2$ and $0.13\mu\text{g}/\text{cm}^2$. Unavoidable coating variations may influence the determination.

-#=According to the exemption clause 6(c) in annex III of directive (2011/65/EU), Lead is exempted as copper alloy containing up to 4% lead by weight.

Remark:

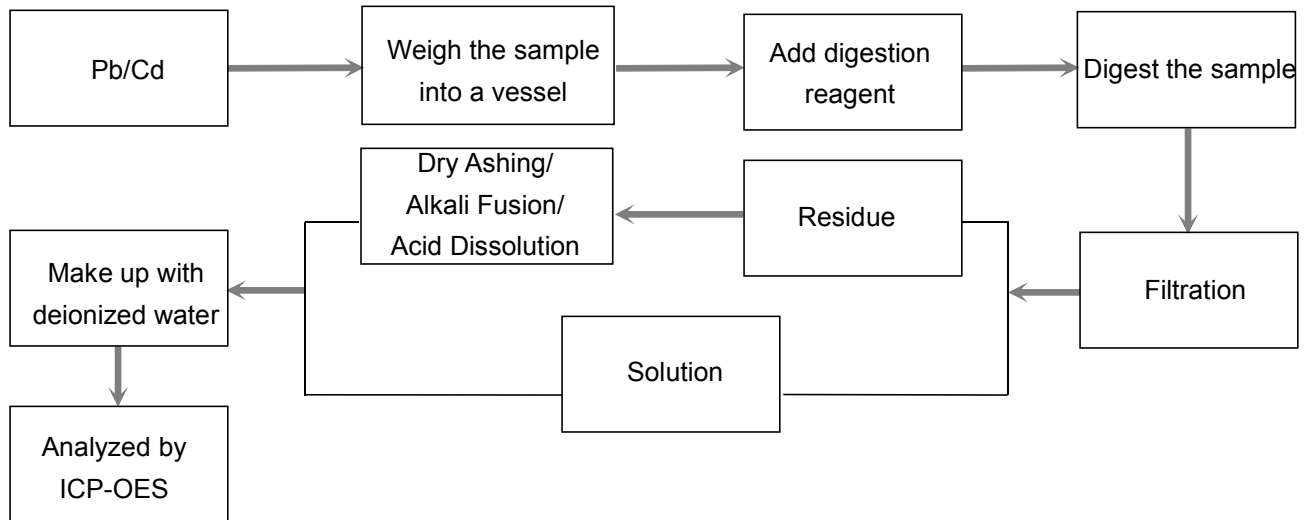
-The screening results are only used for reference.

-When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively;
When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively.

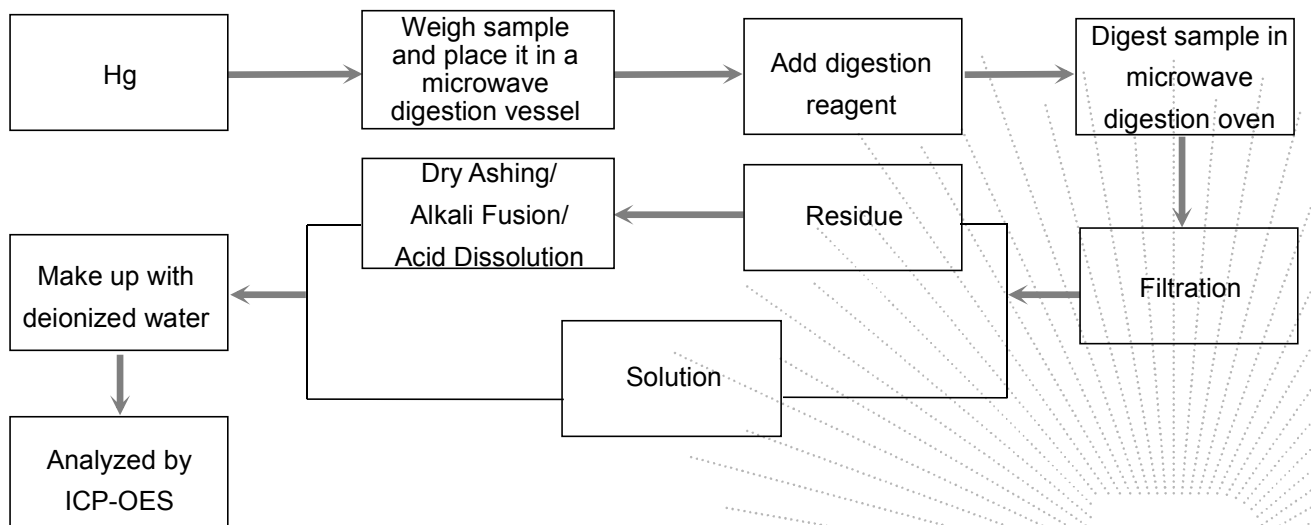
Test Process:

The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

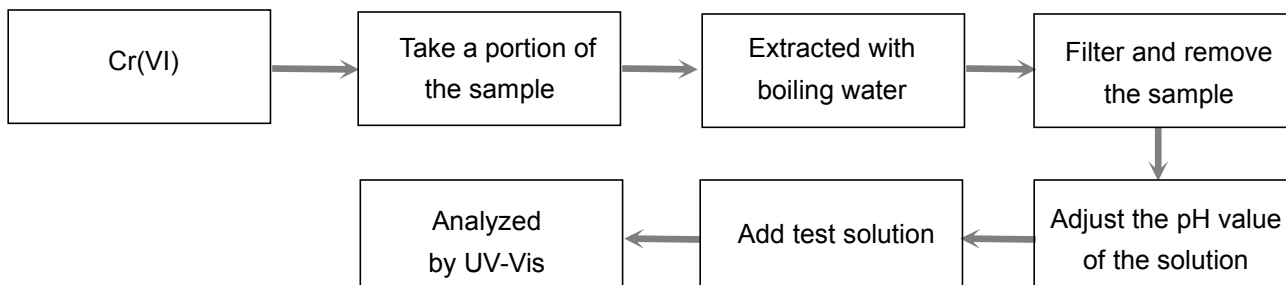
◆ IEC 62321-5:2013 Ed.1.0



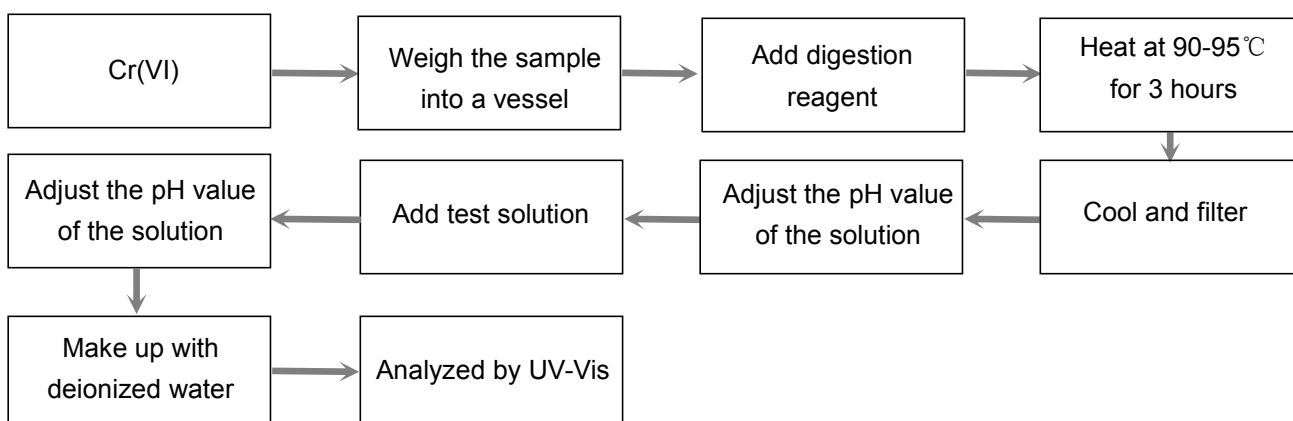
◆ IEC 62321-4:2013+AMD1:2017



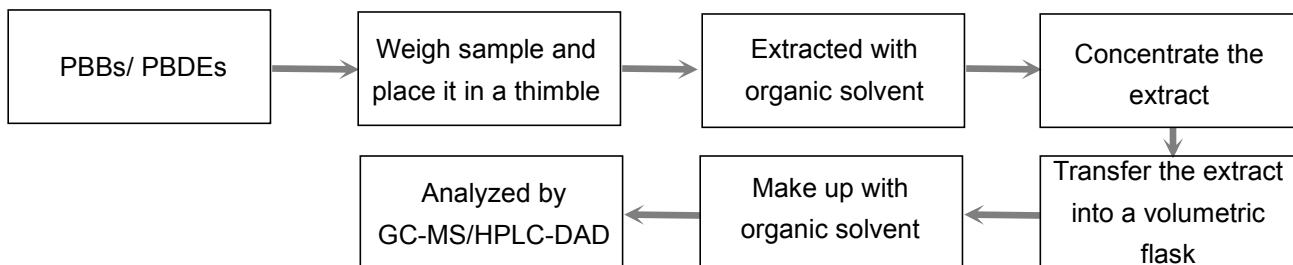
◆ IEC 62321-7-1:2015 Ed.1.0



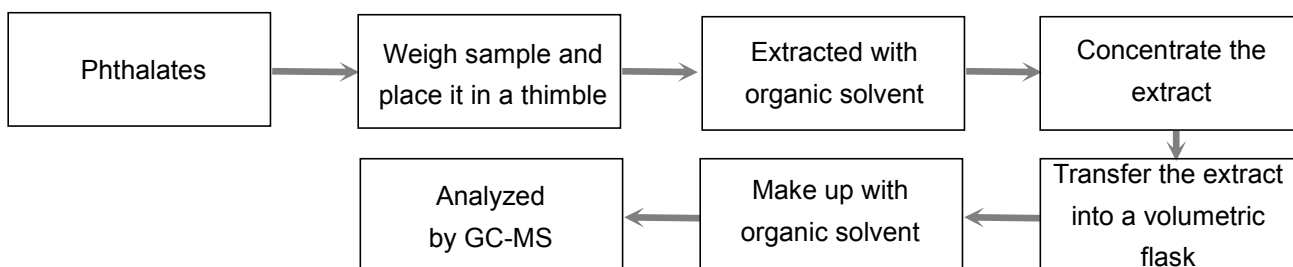
◆ IEC 62321-7-2:2017 Ed.1.0



◆ IEC 62321-6:2015 Ed.1.0



◆ IEC 62321-8:2017 Ed.1.0



CO., LTD.

Photograph of Sample



Fig.1



Fig.2



Fig.3



Fig.4

Photo(s) of the tested component(s)

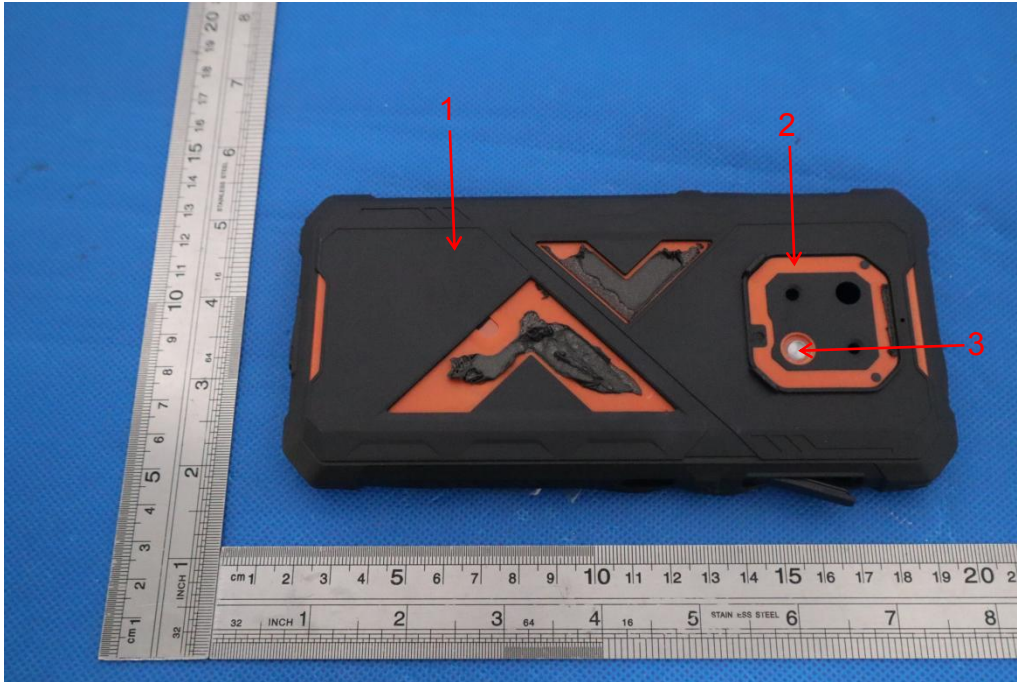


Fig.5

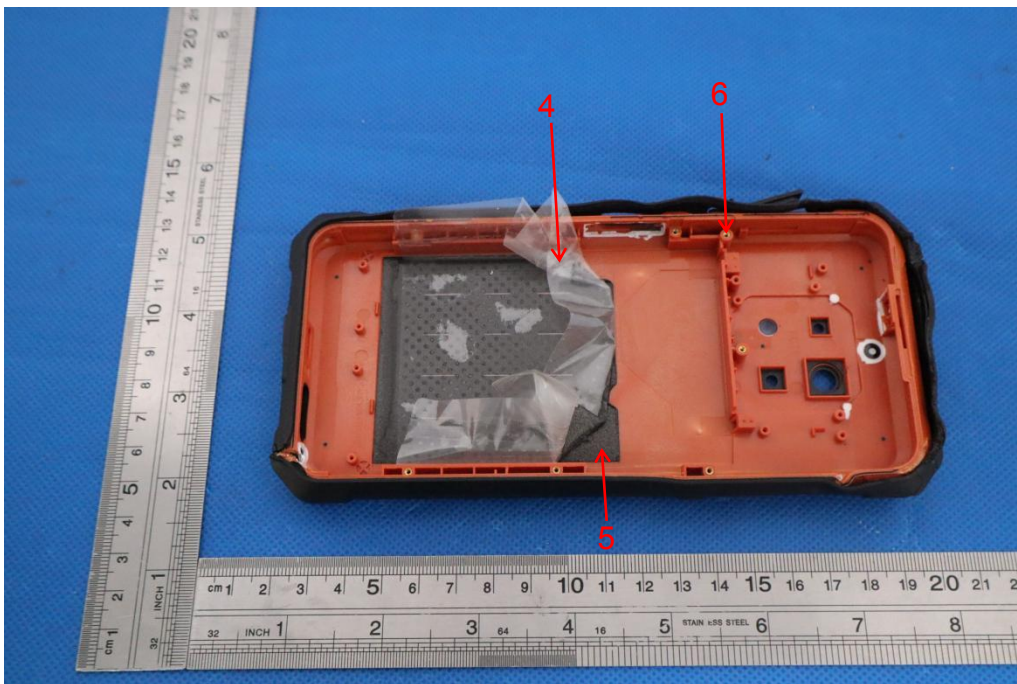


Fig.6



Fig.7

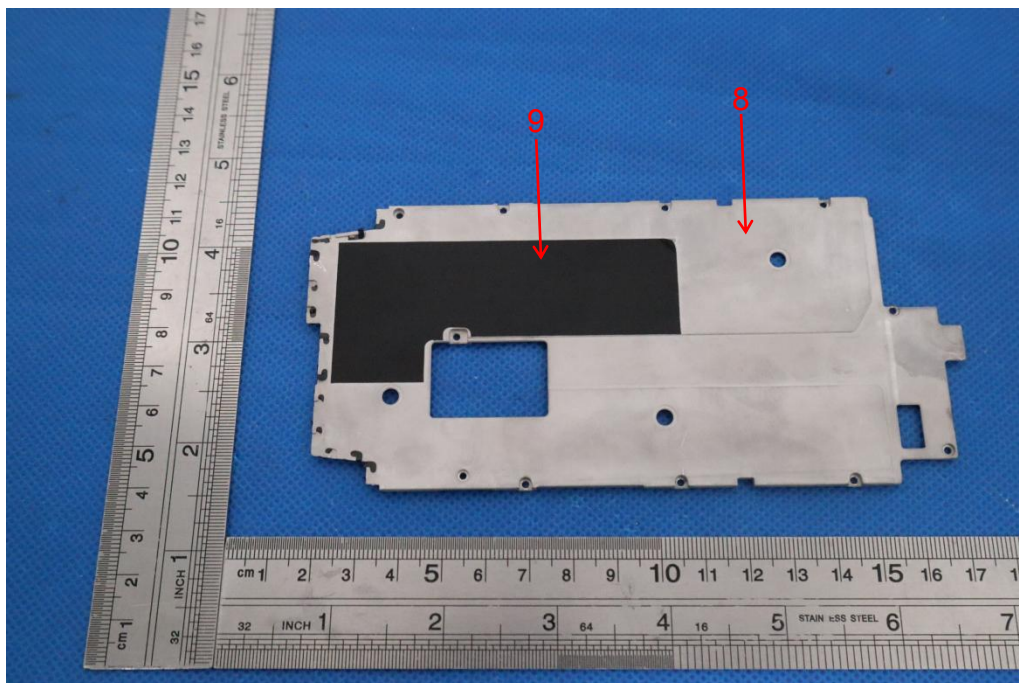


Fig.8

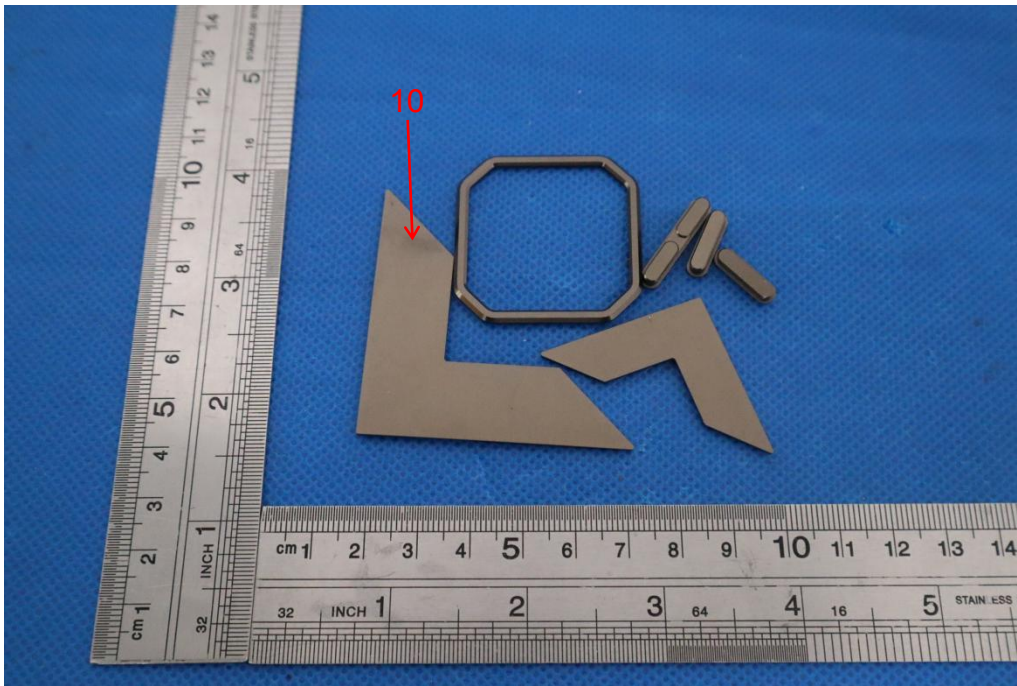


Fig.9

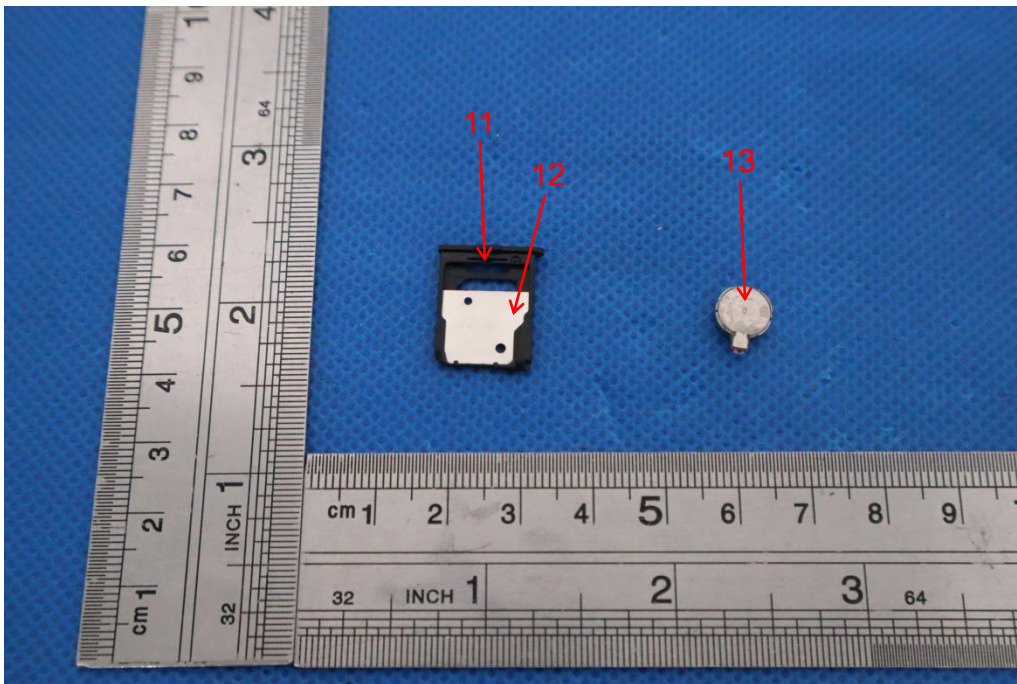


Fig.10

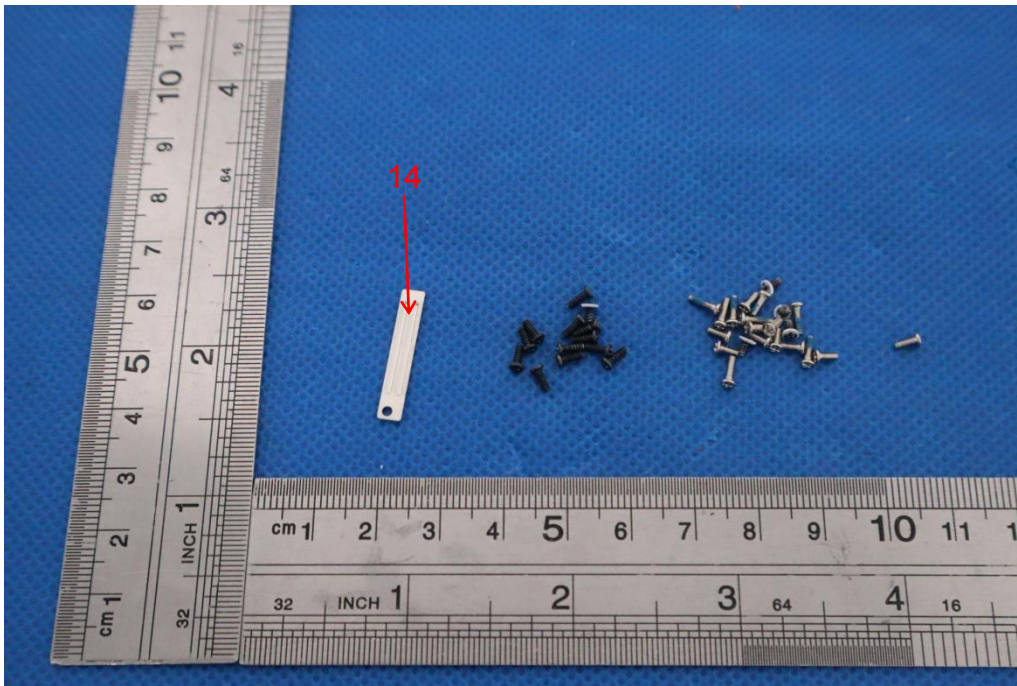


Fig.11



Fig.12

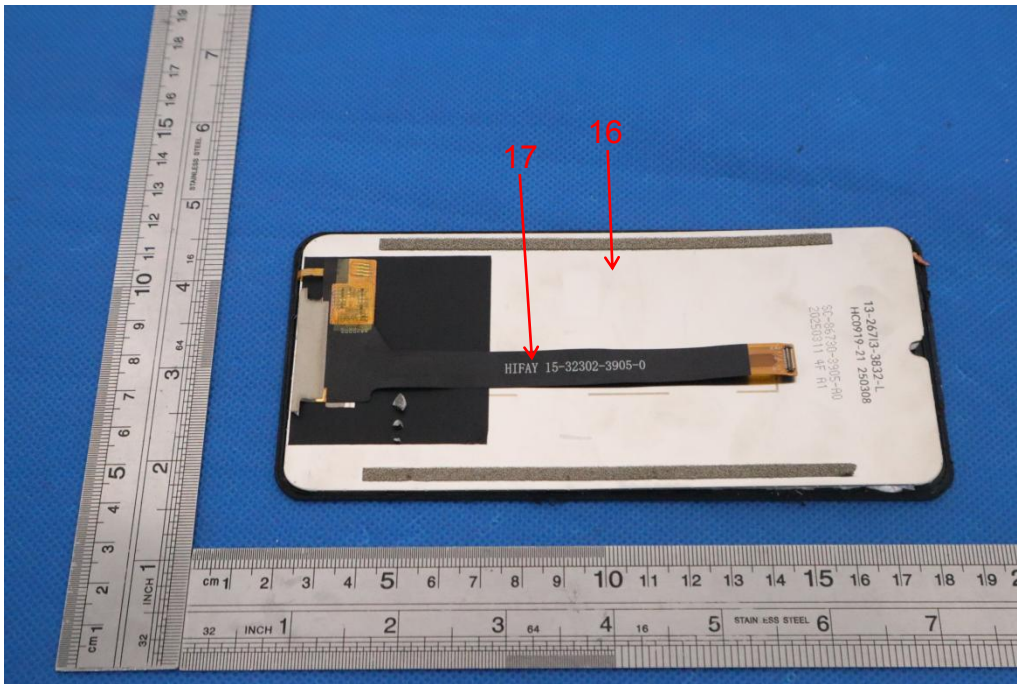


Fig.13

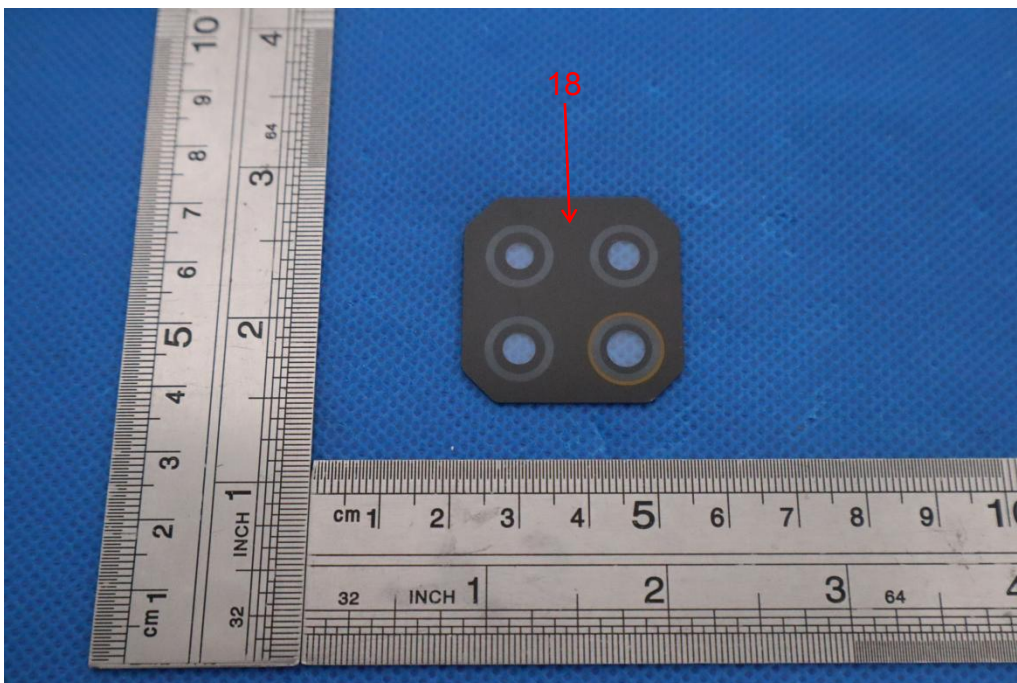


Fig.14

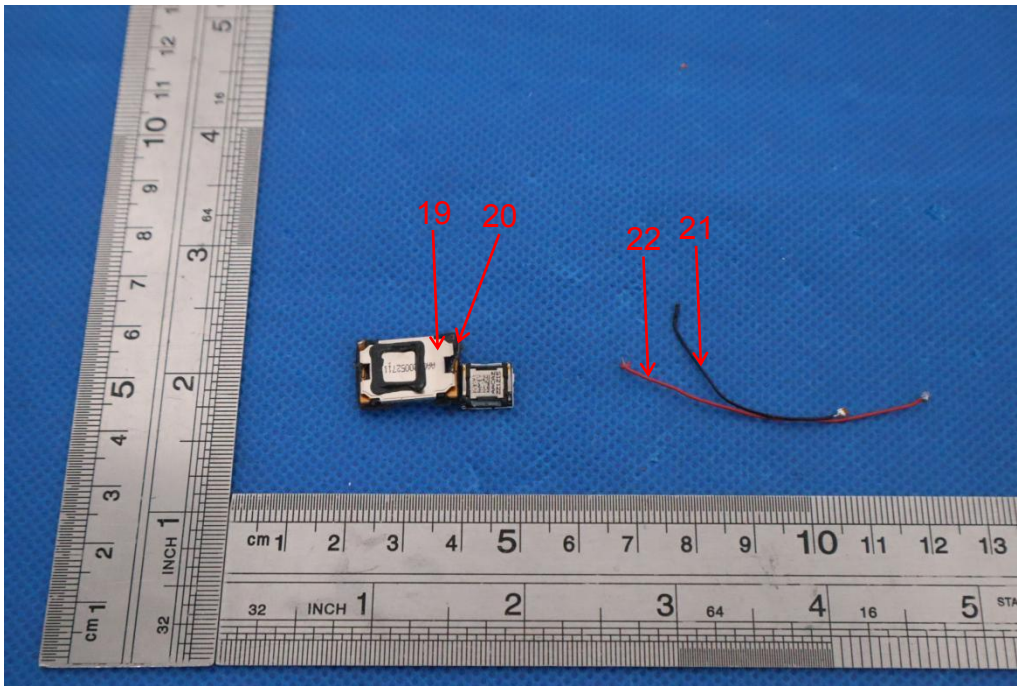


Fig.15

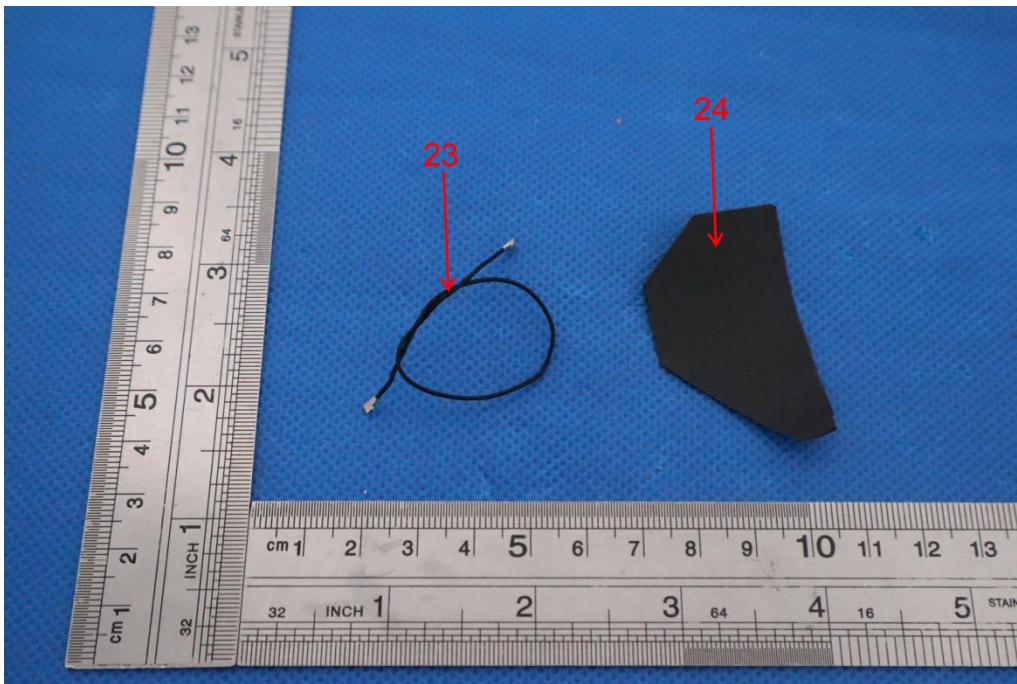


Fig.16

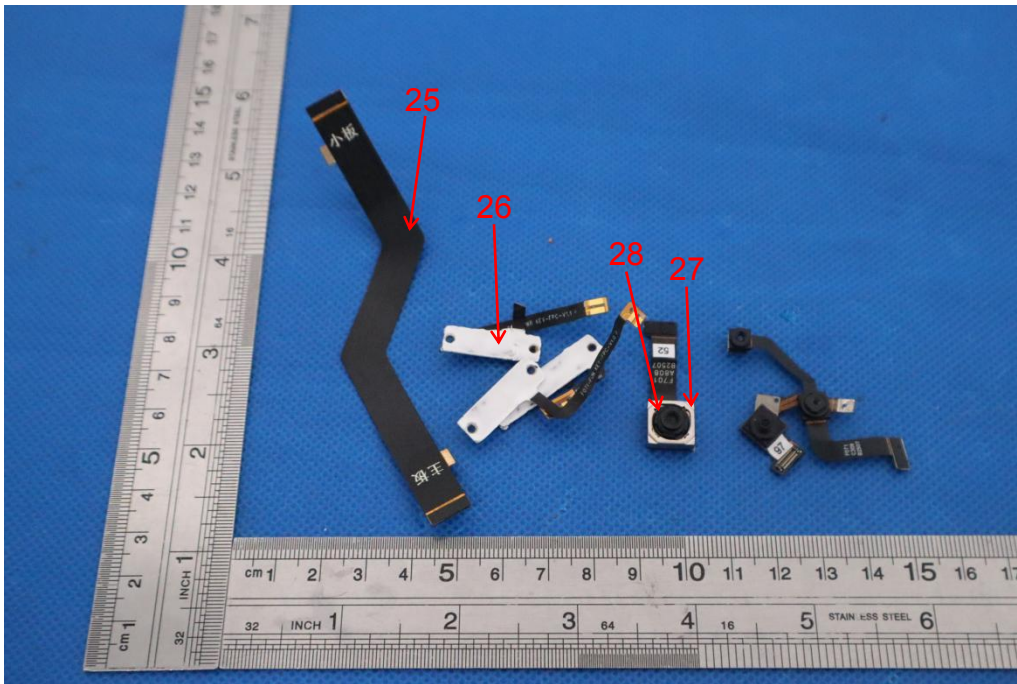


Fig.17

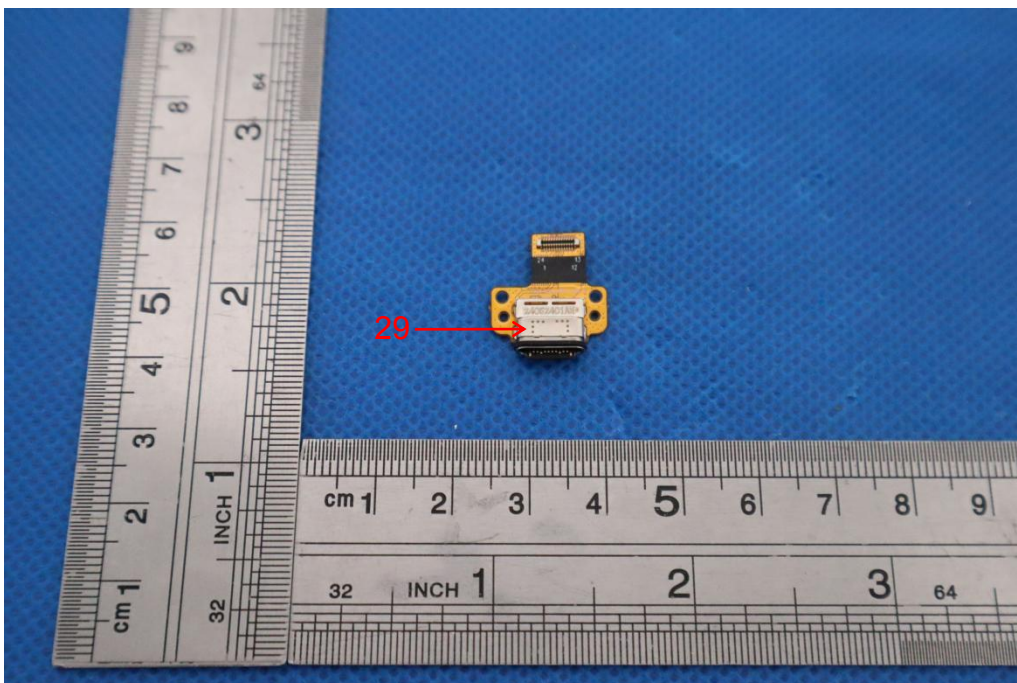


Fig.18

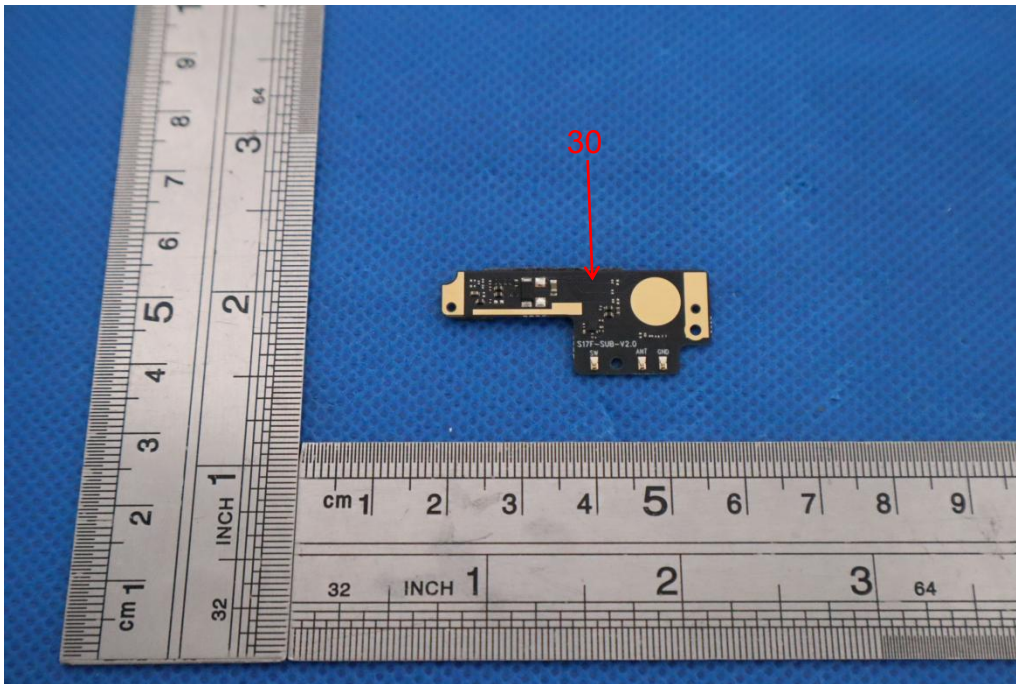


Fig.19

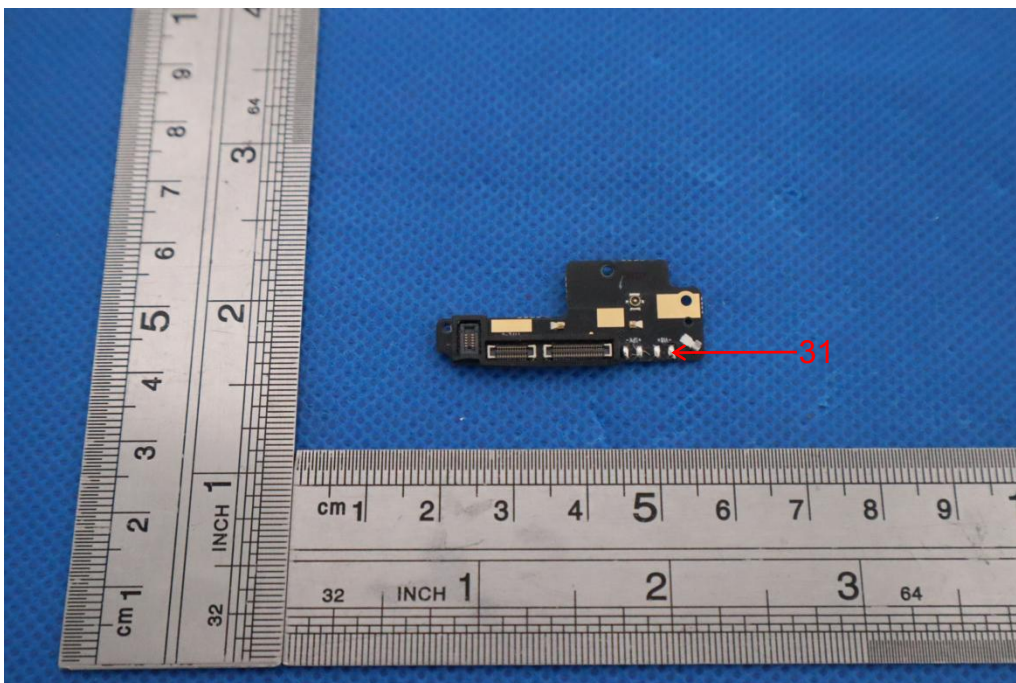


Fig.20

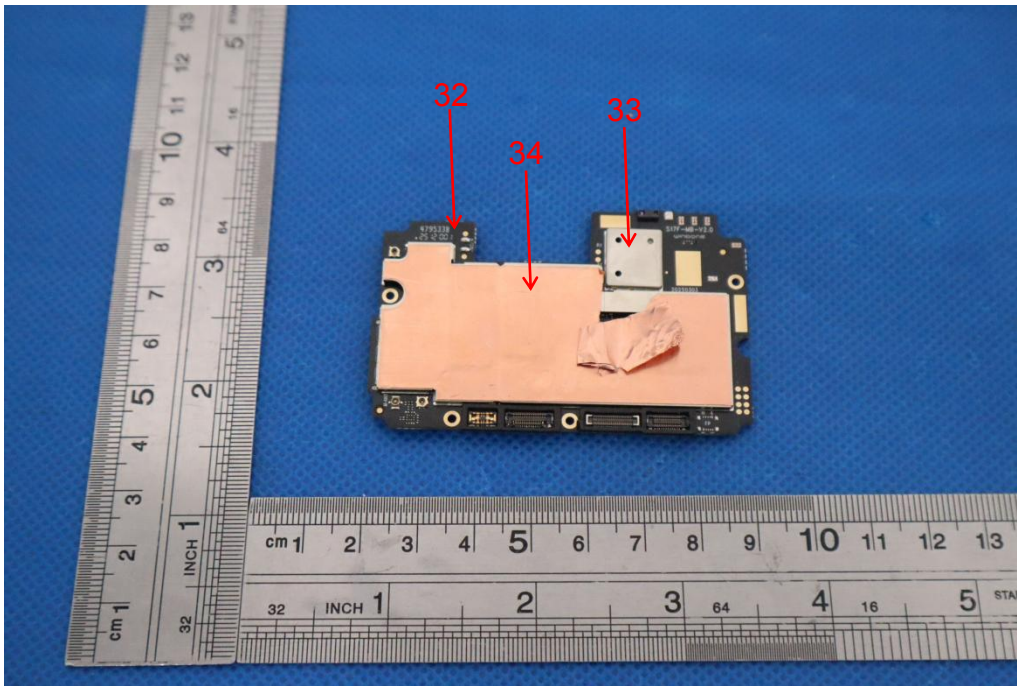


Fig.21

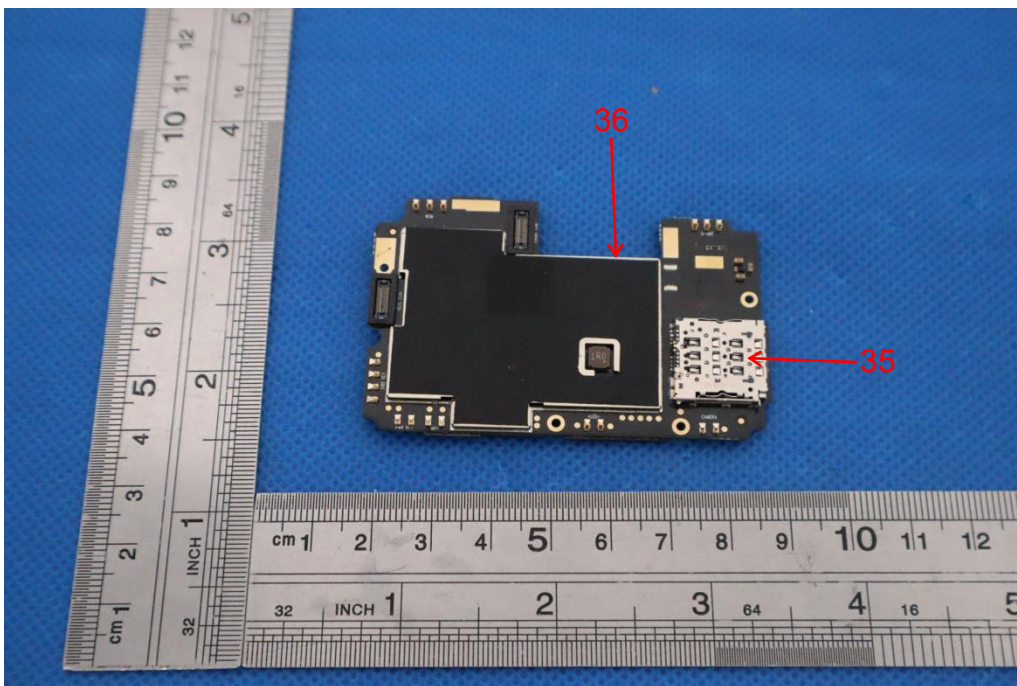


Fig.22

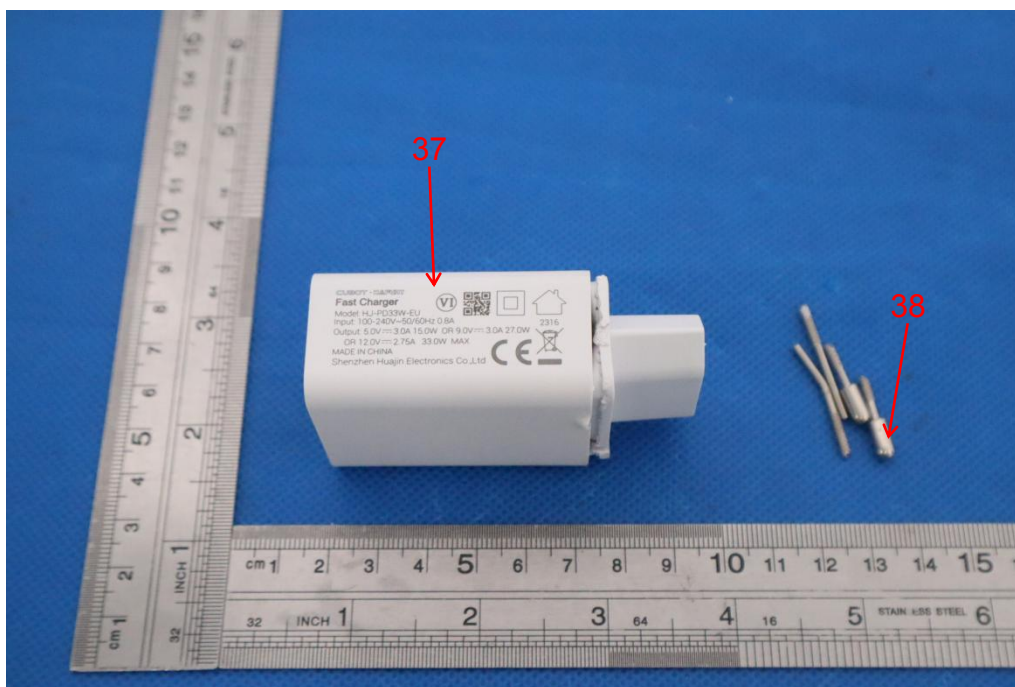


Fig.23

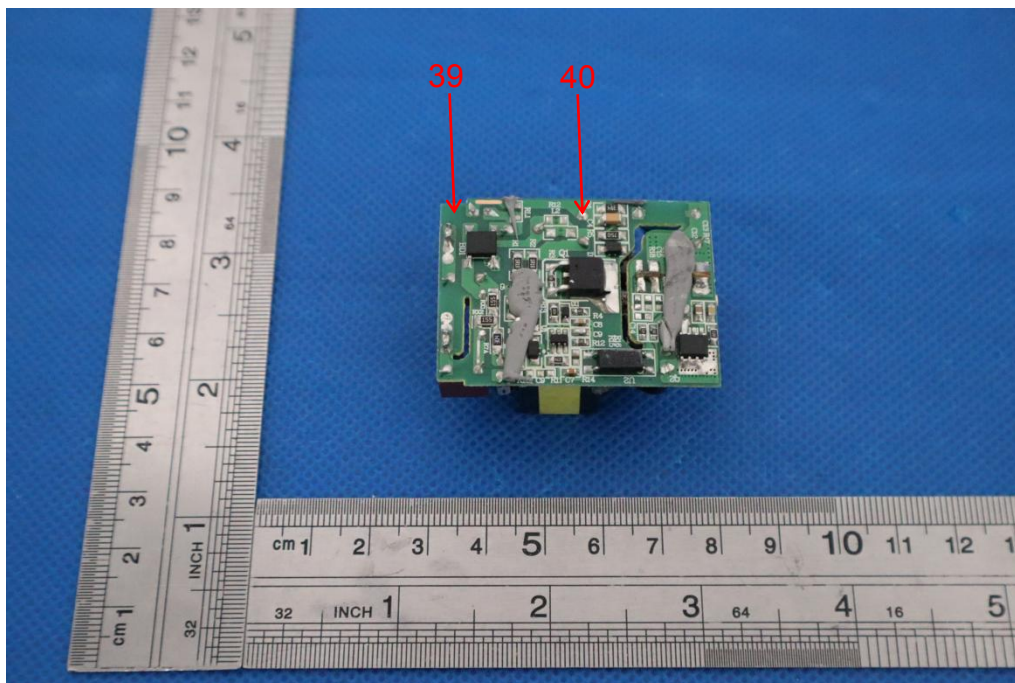


Fig.24

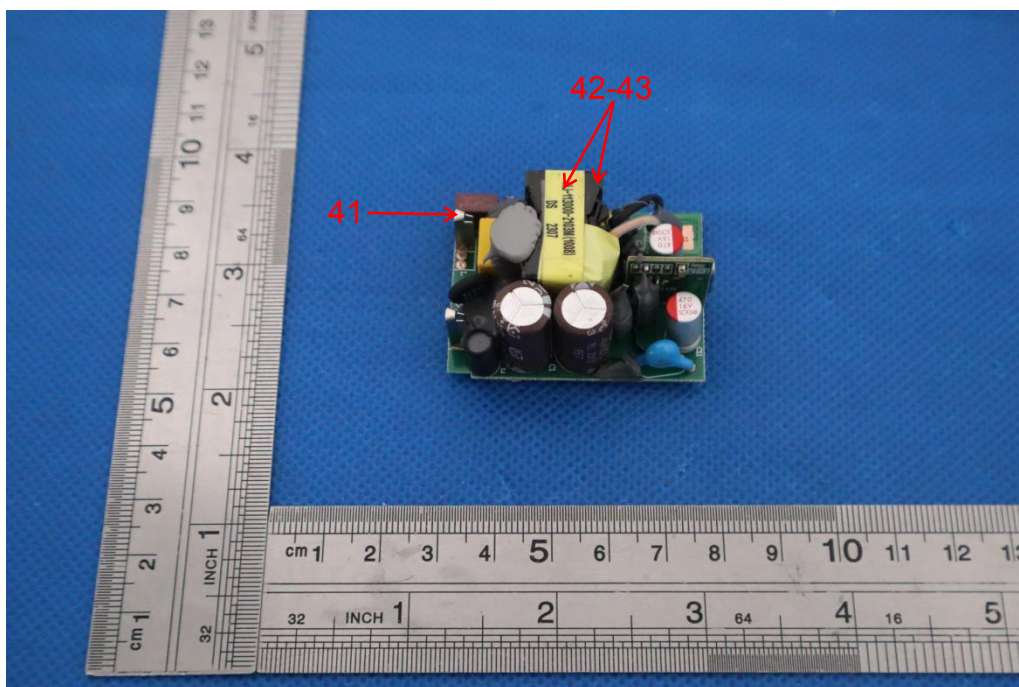


Fig.25

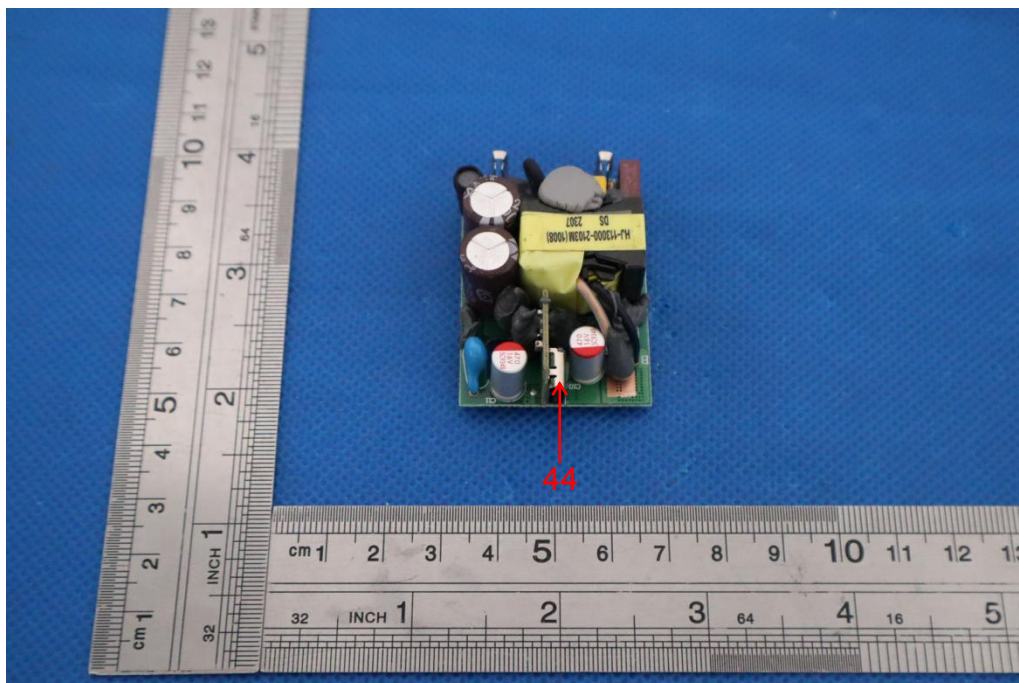


Fig.26

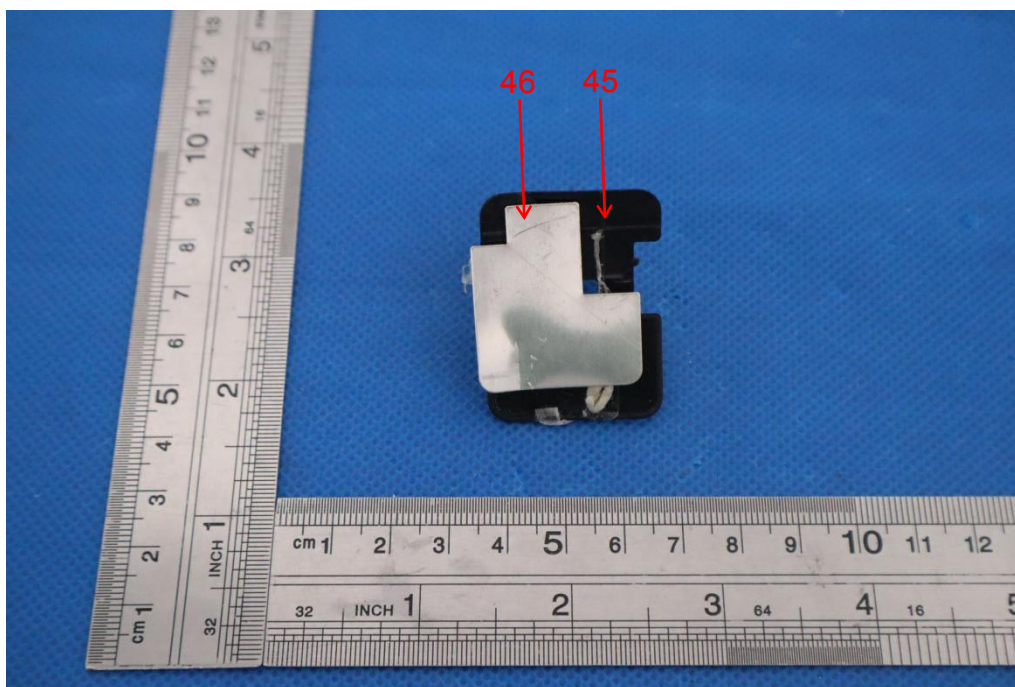


Fig.27

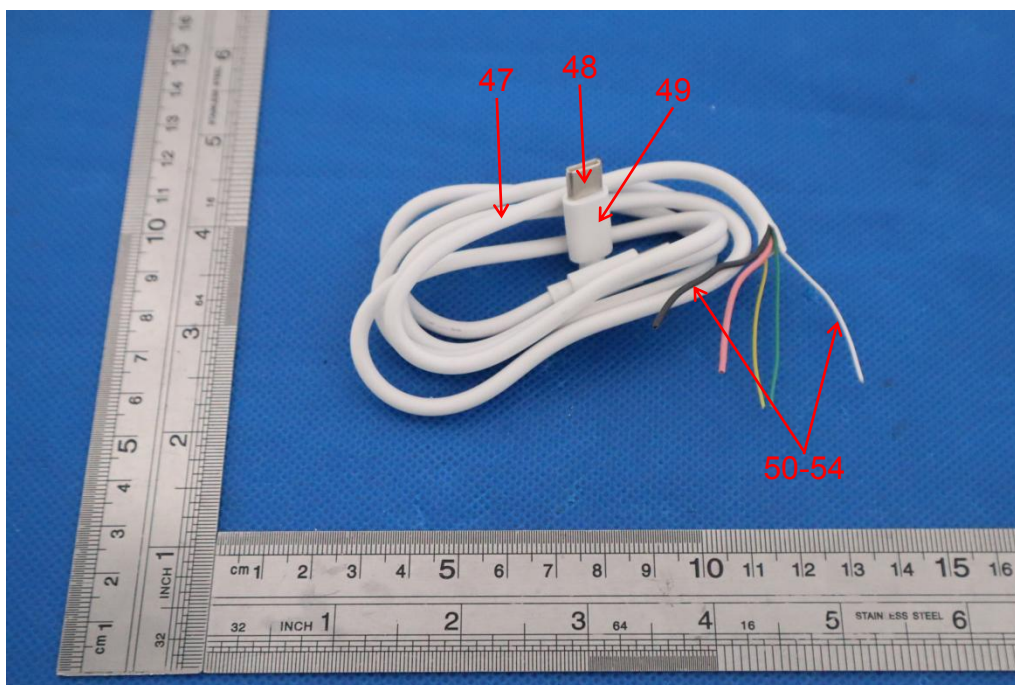


Fig.28

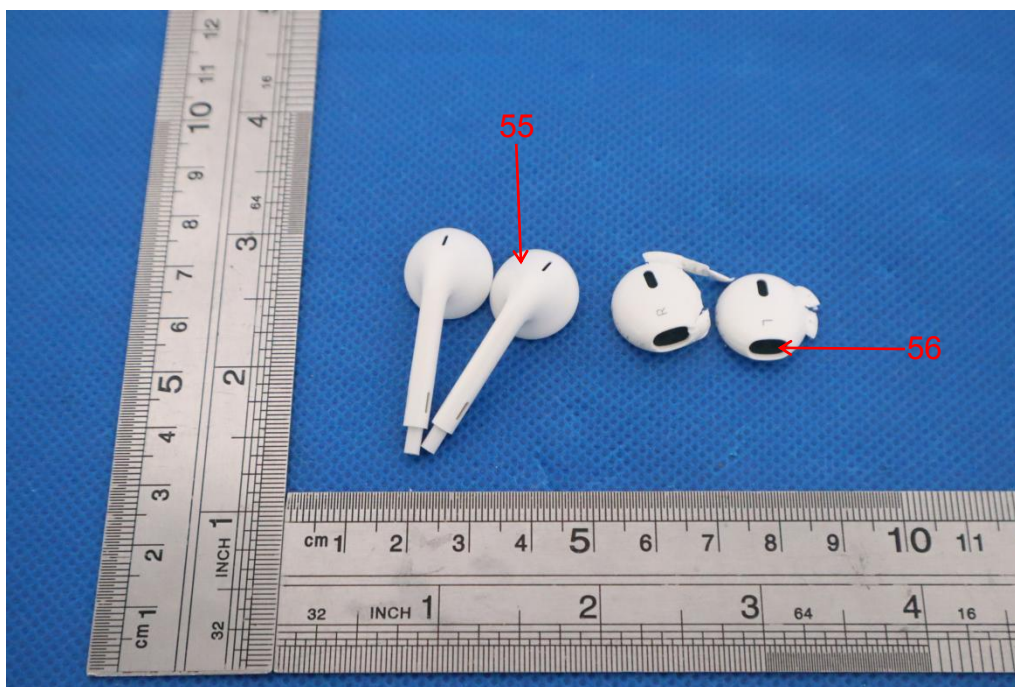


Fig.29

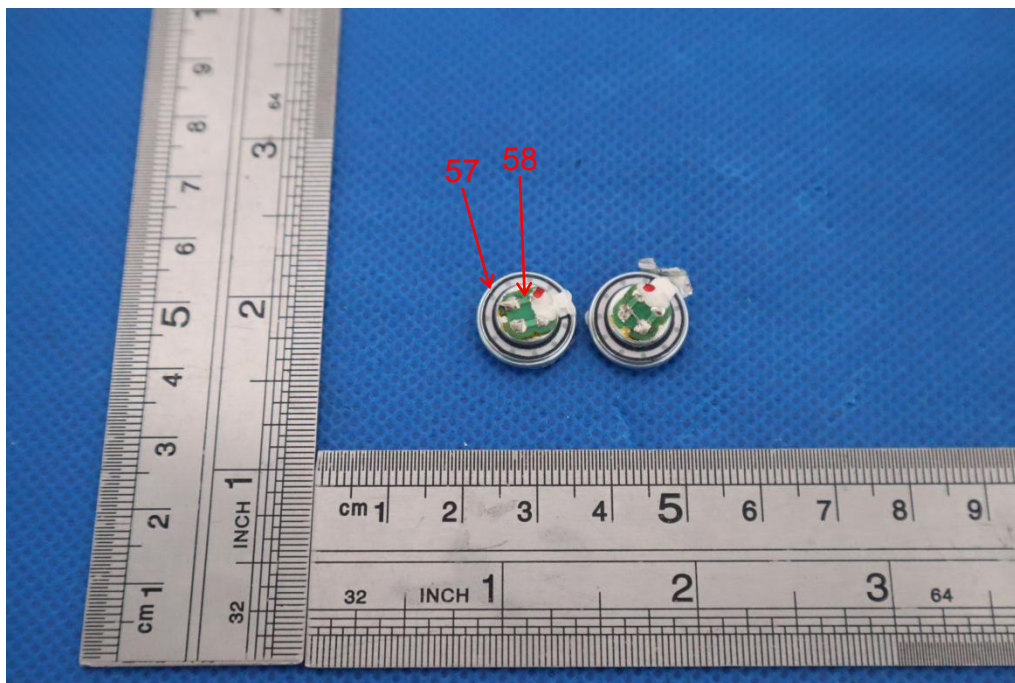


Fig.30

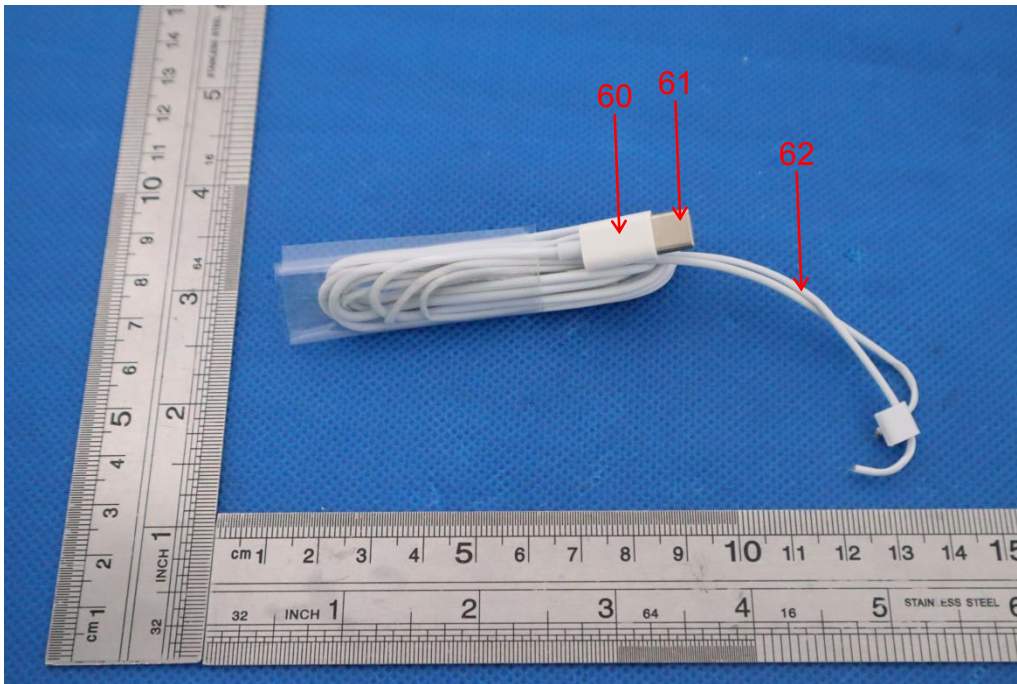


Fig.31



Fig.32

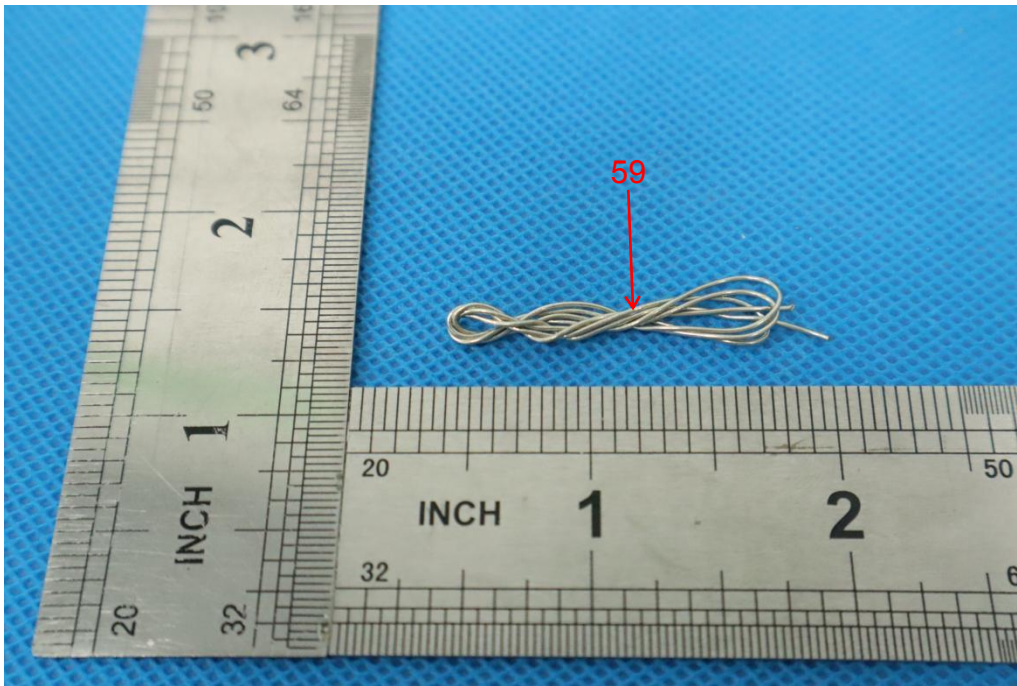


Fig.33



STATEMENT

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC17025.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address:

1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

TEL : 400-788-9558

P.C. : 518103

FAX : 0755-33229357

Website : <http://www.chnbctc.com>

Consultation E-mail : bctc@bctc-lab.com.cn

Complaint/Advice E-mail : advice@bctc-lab.com.cn

***** END *****