Applicant: DOKE COMMUNICATION (HK) LIMITED
Address: RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD WANCHAI HK CHINA

The following samples were submitted and identified on behalf of the clients as

Sample Name:	Tablet PC
Model No:	Active 8
Trade:	Blackview
Manufacturer:	Shenzhen DOKE Electronic Co., Ltd
Address:	801, Building3, 7th Industrial Zone, Yulv Community, Yutang Road, Guangming District, Shenzhen, China
Sample Received Date:	Aug.28, 2023
Test Period:	Aug.28, 2023 to Aug.29, 2023
Test Method:	Please refer to next page(s).
Test Result:	Please refer to next page(s).

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CONCLUSION :
According to client's request to conduct below tests in the selected parts of the submitted sample:

TEST ITEM	RESULT
1.RoHS Directive 2011/65/EU Annex II amending Annex(EU)2015/863 and amending Annex (EU)2017/2102	
-Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content	**PASS**
-Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate(DBP), Diisobutyl phthalate(DIBP) Content	**PASS**

****

Authorized Signatory
Title: Lab Manager

For and on behalf of
Dongguan Universal Testing Technology Co., Ltd.

Dongguan Universal Testing Technology Co., Ltd
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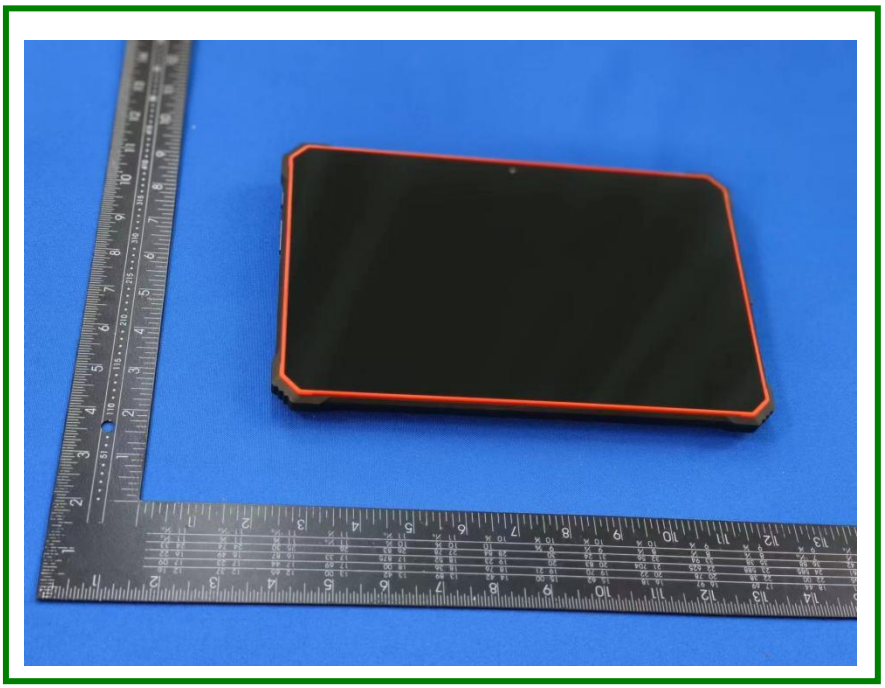
Photos of submitted sample



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Test Result(s):

Part No.	Part Description
P1	Transparent film
P2	Yellow tape
P3	Black flat cable
P4	Grey cotton patch
P5	Transparent plastic board
P6	Transparent white plastic board
P7	Display board
P8	Reflector
P9	White plastic board
P10	Silver metal base plate
P11	Black display screen: glass
P12	Copper foil paper
P13	Black sealant
P14	Silver metal sheet
P15	Soldering tin
P16	Black PCB sticker
P17	Black metal screw
P18	Silver aluminum interlayer
P19	Black cotton patch
P20	Silver metal cover
P21	Silver metal wire core
P22	Red wire coat
P23	Black wire coat
P24	Copper wire coil
P25	Silver metal sheet
P26	Green PCB board
P27	Silver circular magnet
P28	Silver metal base
P29	Silver metal sheet
P30	Gold metal sheet
P31	Black plastic socket shell
P32	Silver metal slot shell
P33	Silver metal slot piece
P34	Black plastic block
P35	Gold metal pins
P36	Black PCB board

P37	Silver metal shell
P38	Silver metal shell
P39	Silver metal shell
P40	Silver metal shell
P41	Purple adhesive
P42	Soldering tin
P43	Black electronic components
P44	Black plastic socket
P45	White printed label paper
P46	Black PCB board
P47	Black leather
P48	Black elastic textile fabric
P49	Silver metal screw
P50	Black plastic shell

1.RoHS Directive 2011/65/EU and its amending Directive (EU)2015/863 & Directive (EU)2017/2102

ROHS Restricted Substances	Limit(w/w)
Lead(Pb)	0.1%
Cadmium(Cd)	0.01%
Mercury(Hg)	0.1%
Hexavalent Chromium(Cr VI)	0.1%
Polybromobiphenyls (PBBs)	0.1%
Polybromodiphenyl ethers (PBDEs)	0.1%
Di-(2-ethylhexyl) phthalate(DEHP)	0.1%
Benzylbutyl phthalate(BBP)	0.1%
Dibutyl phthalate(DBP)	0.1%
Diisobutyl phthalate(DIBP)	0.1%

1.Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content –RoHS Directive 2011/65/EU and its amending Directive (EU)2015/863 & Directive (EU)2017/2102

Method(s) Used: Please refer to Annex B

PRELIMINARY SCREENING ASSESSMENT

Part No.	Result(s)(mg/kg)				
	Lead	Cadmium	Mercury	Chromium	Bromine
P1	BL	BL	BL	BL	BL
P2	BL	BL	BL	BL	BL
P3	BL	BL	BL	BL	BL
P4	BL	BL	BL	BL	BL

P5	BL	BL	BL	BL	BL
P6	BL	BL	BL	BL	BL
P7	BL	BL	BL	BL	BL
P8	BL	BL	BL	BL	BL
P9	BL	BL	BL	BL	BL
P10	BL	BL	BL	X	NA
P11	BL	BL	BL	BL	BL
P12	BL	BL	BL	BL	NA
P13	BL	BL	BL	BL	BL
P14	BL	BL	BL	X	NA
P15	BL	BL	BL	BL	NA
P16	BL	BL	BL	BL	BL
P17	BL	BL	BL	X	NA
P18	BL	BL	BL	BL	NA
P19	BL	BL	BL	BL	BL
P20	BL	BL	BL	BL	NA
P21	BL	BL	BL	BL	NA
P22	BL	BL	BL	BL	BL
P23	BL	BL	BL	BL	BL
P24	BL	BL	BL	BL	NA
P25	BL	BL	BL	BL	NA
P26	BL	BL	BL	BL	BL
P27	BL	BL	BL	BL	NA
P28	BL	BL	BL	BL	NA
P29	BL	BL	BL	X	NA
P30	BL	BL	BL	X	NA
P31	BL	BL	BL	BL	BL
P32	BL	BL	BL	X	NA
P33	BL	BL	BL	X	NA
P34	BL	BL	BL	BL	BL
P35	BL	BL	BL	BL	NA
P36	BL	BL	BL	BL	X
P37	BL	BL	BL	BL	NA
P38	BL	BL	BL	BL	NA
P39	BL	BL	BL	BL	NA
P40	BL	BL	BL	BL	NA
P41	BL	BL	BL	BL	BL
P42	BL	BL	BL	BL	NA

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P43	BL	BL	BL	BL	BL
P44	BL	BL	BL	BL	BL
P45	BL	BL	BL	BL	BL
P46	BL	BL	BL	BL	BL
P47	BL	BL	BL	X	BL
P48	BL	BL	BL	BL	BL
P49	BL	BL	BL	X	NA
P50	BL	BL	BL	BL	BL

Note(s):
1.mg/kg = milligram(s) per kilogram = ppm = part(s) per million
2.BL=Below limit; OL=Over limit; NA=Not applicable; X=further chemical testing needed
3.APPENDIX A for interpretation of EDXRF results(StandardIEC62321-3-1)

APPENDIX A

Element	Polymer Materials	Metallic Materials	Composite Materials
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	NA	BL ≤ (250-3σ) < X
Cr	BL ≤ (700-3σ) < X	BL ≤ (700-3σ) < X	BL ≤ (500-3σ) < X

Note(s): Results was obtained by EDXRF for primary screening. According the APPENDIX A below, further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for CrVI) and GCMSD (for PBBs, PBDEs) have to be performed, if the XRF results is in the range defined as inconclusive (X). Further chemical testing is also proposed when results are over limit (OL) in order to have a numeral result to compare to the limits set by the Directive 2011/65/EU.

CHEMICAL TEST

Part No.	Test item	Unit	Result	MDL	Limit	Conclusion
P47	Chromium VI(Cr VI)	mg/kg	12	10	1000	Pass

Note:
1. MDL=Method detection limit
2. mg/kg=milligram per kilogram=ppm
3. N.D.=Not detected(<MDL)

Part No.	Test item	Result	Limit	Conclusion
P10	Chromium VI(Cr VI)	Negative	Negative	Pass
P14	Chromium VI(Cr VI)	Negative	Negative	Pass
P17	Chromium VI(Cr VI)	Negative	Negative	Pass
P29	Chromium VI(Cr VI)	Negative	Negative	Pass
P30	Chromium VI(Cr VI)	Negative	Negative	Pass
P32	Chromium VI(Cr VI)	Negative	Negative	Pass
P33	Chromium VI(Cr VI)	Negative	Negative	Pass
P49	Chromium VI(Cr VI)	Negative	Negative	Pass

Note:
1. Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Council Directive 201/65/EU, Article 4(1).

Part No.	Test item	Unit	MDL	Result	Limit	Conclusion
P36	Polybromobiphenyls (PBBs)	mg/kg	50	N.D.	1000	Pass
	Polybromodiphenyl ethers (PBDEs)	mg/kg	50	N.D.	1000	Pass

Note:
1. MDL=Method detection limit
2. mg/kg=milligram per kilogram=ppm
3. N.D.=Not detected(<MDL)

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APPENDIX B

List of Analytes and their Corresponding Test Methods [European Council Directive 2011/65/EU] :		
No.	Name of Analytes	Test Method(s)
1	Lead(Pb), mercury(Hg), cadmium(Cd), total chromium(Cr) and total bromine(Br) using X-ray fluorescence spectrometry	With reference to IEC 62321-3-1:2013
2	Lead (Pb)	With reference to IEC 62321-5:2013
3	Cadmium (Cd)	
4	Mercury (Hg)	With reference to IEC 62321-4:2013/AMD1:2017
5	Chromium VI (Cr VI)	Metal :With reference to IEC 62321-7-1:2015 Polymers & Electronics :With reference to IEC 62321-7-2:2017
6	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	With reference to IEC 62321-6:2015
7	Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	
[a]	The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples.	

1.2.Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate(DBP), Diisobutyl phthalate(DIBP) Content- RoHS Directive 2011/65/EU Annex II amending Annex(EU)2015/863 and amending Annex (EU)2017/2102

Test Method: With reference to IEC 62321-8:2017, analysis was performed by GC-MS.

Test Items	Unit	Result	MDL	Limit
		P1+P5+P6+P7+P8+P9+P16+P26+P31		
Di-(2-ethylhexyl) phthalate(DEHP)	mg/kg	N.D.	50	1000
Benzylbutyl phthalate(BBP)	mg/kg	N.D.	50	1000
Dibutyl phthalate(DBP)	mg/kg	N.D.	50	1000
Diisobutyl phthalate(DIBP)	mg/kg	N.D.	50	1000
Conclusion		Pass	-	-

Test Items	Unit	Result	MDL	Limit
		P34+P36+P44+P46+P50		
Di-(2-ethylhexyl) phthalate(DEHP)	mg/kg	N.D.	50	1000
Benzylbutyl phthalate(BBP)	mg/kg	N.D.	50	1000
Dibutyl phthalate(DBP)	mg/kg	N.D.	50	1000
Diisobutyl phthalate(DIBP)	mg/kg	N.D.	50	1000
Conclusion		Pass	-	-

Test Items	Unit	Result	MDL	Limit
		P3		
Di-(2-ethylhexyl) phthalate(DEHP)	mg/kg	N.D.	50	1000
Benzylbutyl phthalate(BBP)	mg/kg	N.D.	50	1000
Dibutyl phthalate(DBP)	mg/kg	N.D.	50	1000
Diisobutyl phthalate(DIBP)	mg/kg	N.D.	50	1000
Conclusion		Pass	-	-

Test Items	Unit	Result	MDL	Limit
		P22+P23		
Di-(2-ethylhexyl) phthalate(DEHP)	mg/kg	N.D.	50	1000
Benzylbutyl phthalate(BBP)	mg/kg	N.D.	50	1000
Dibutyl phthalate(DBP)	mg/kg	N.D.	50	1000
Diisobutyl phthalate(DIBP)	mg/kg	N.D.	50	1000
Conclusion		Pass	-	-

Test Items	Unit	Result	MDL	Limit
		P4+P19		
Di-(2-ethylhexyl) phthalate(DEHP)	mg/kg	N.D.	50	1000
Benzylbutyl phthalate(BBP)	mg/kg	N.D.	50	1000
Dibutyl phthalate(DBP)	mg/kg	N.D.	50	1000
Diisobutyl phthalate(DIBP)	mg/kg	N.D.	50	1000
Conclusion		Pass	-	-

Test Items	Unit	Result	MDL	Limit
		P45		
Di-(2-ethylhexyl) phthalate(DEHP)	mg/kg	N.D.	50	1000
Benzylbutyl phthalate(BBP)	mg/kg	N.D.	50	1000
Dibutyl phthalate(DBP)	mg/kg	N.D.	50	1000
Diisobutyl phthalate(DIBP)	mg/kg	N.D.	50	1000
Conclusion		Pass	-	-

Test Items	Unit	Result	MDL	Limit
		P47		
Di-(2-ethylhexyl) phthalate(DEHP)	mg/kg	N.D.	50	1000
Benzylbutyl phthalate(BBP)	mg/kg	N.D.	50	1000
Dibutyl phthalate(DBP)	mg/kg	N.D.	50	1000
Diisobutyl phthalate(DIBP)	mg/kg	N.D.	50	1000
Conclusion		Pass	-	-

Test Items	Unit	Result	MDL	Limit
		P48		
Di-(2-ethylhexyl) phthalate(DEHP)	mg/kg	N.D.	50	1000
Benzylbutyl phthalate(BBP)	mg/kg	N.D.	50	1000
Dibutyl phthalate(DBP)	mg/kg	N.D.	50	1000
Diisobutyl phthalate(DIBP)	mg/kg	N.D.	50	1000
Conclusion		Pass	-	-

Note:

1. mg/kg = milligram per kilogram= ppm.
2. MDL = Method Detection Limit.
3. N.D. = Not Detected (< MDL)
4. "+"=mixed test, data users should consider the risk of "pass" results of mixed sample

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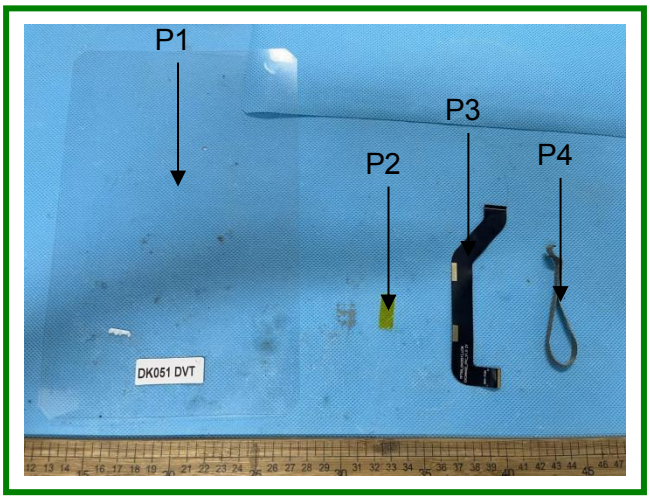
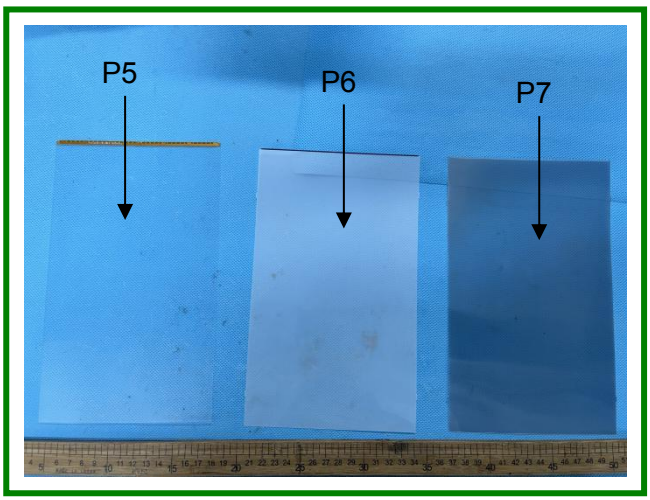
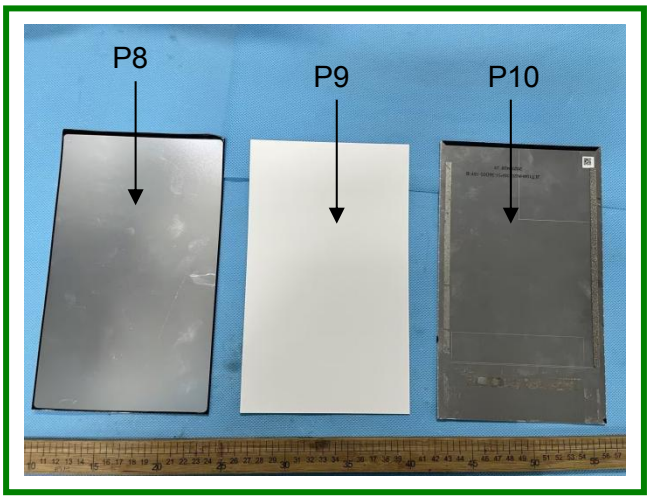
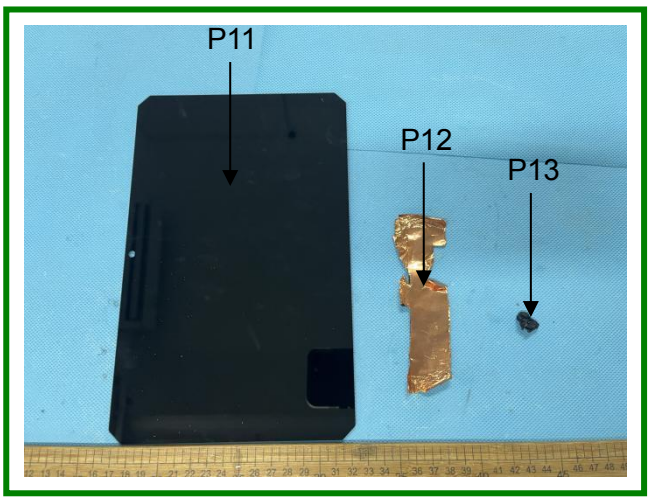
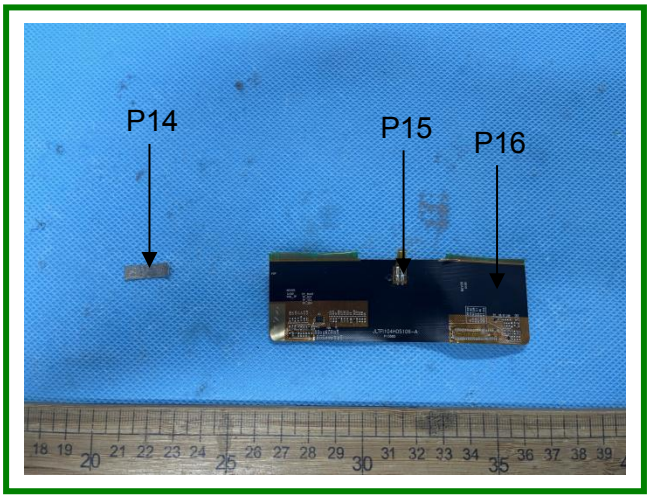
Parts photos:

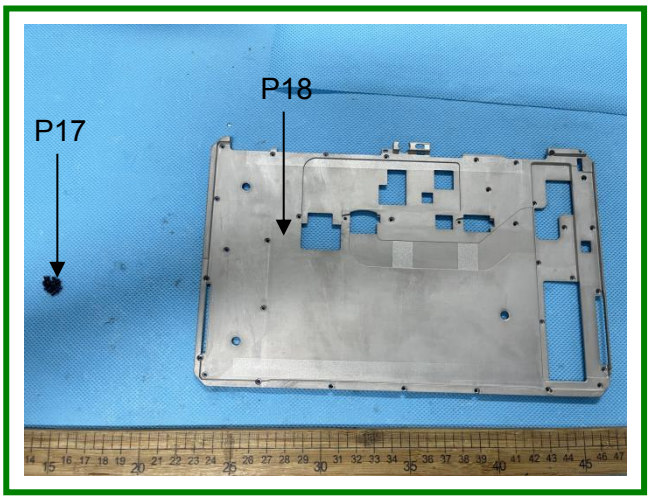


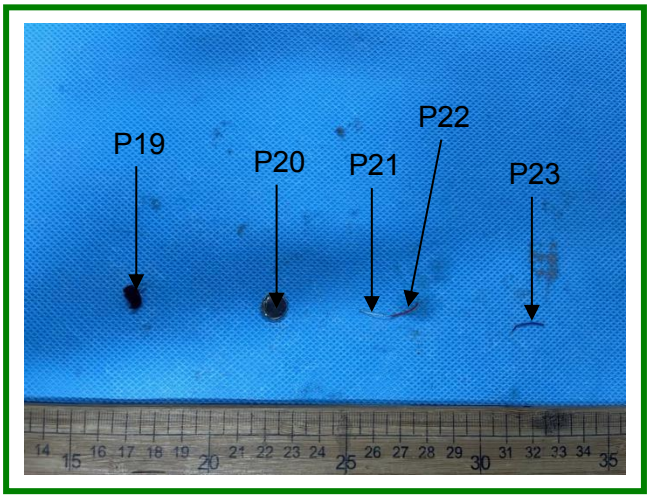


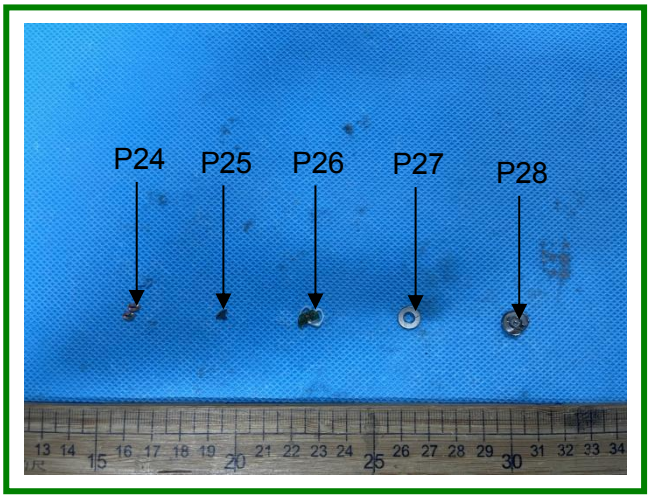


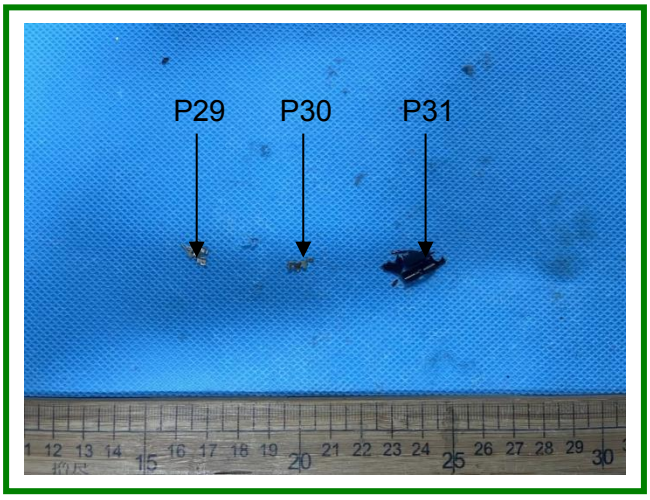


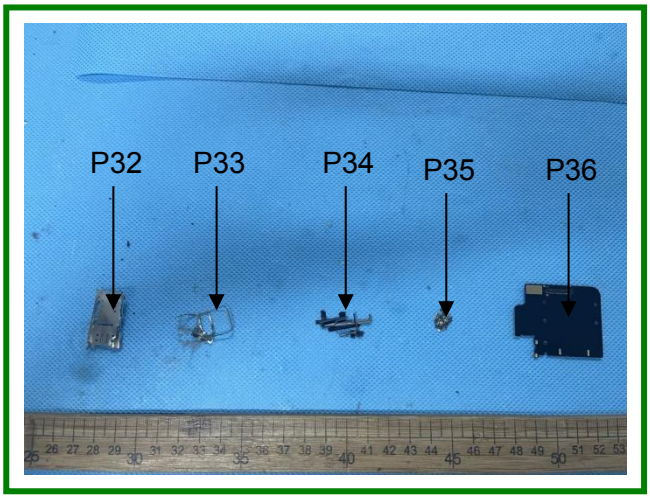


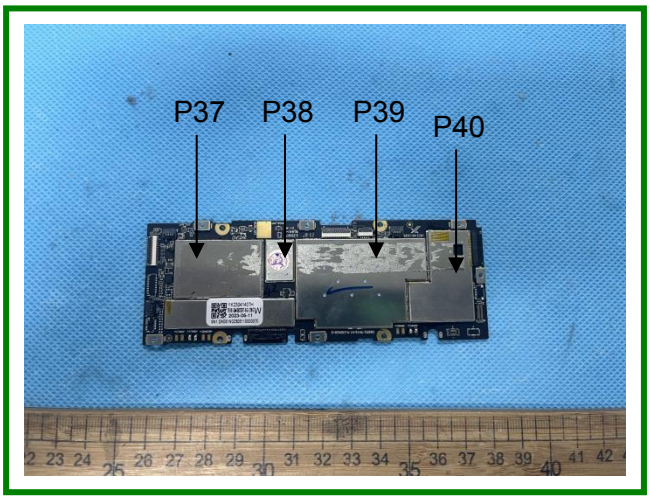


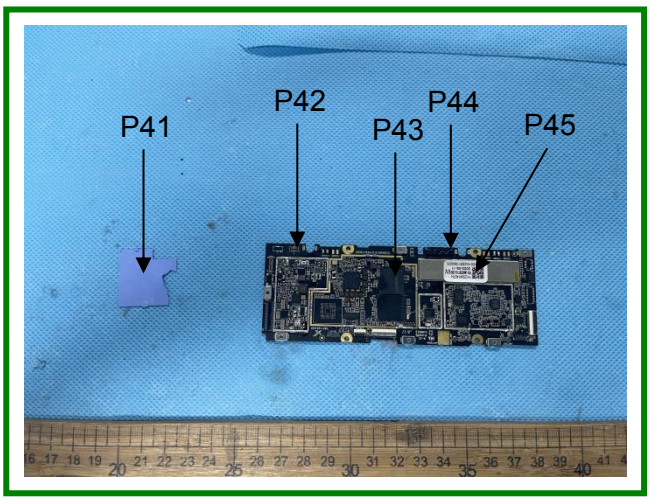












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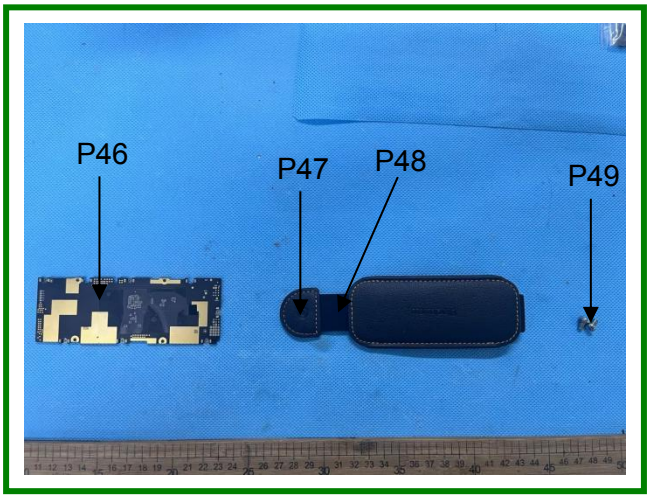

******* End of Test Report *******

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