Test Report No. : NICERD220930.0096

RoHS TEST REPORT

European Directive 2011/65/EU, 2015/863/EU

Evaluation of RoHS Requirements for Electrical and Electronic Equipment

Date of receipt..... : Sep 30, 2022

Test of Period..... : Sep 30 ~ Nov 16, 2022

Date of issue..... : Nov 17, 2022

The following product was submitted and identified on behalf of the applicant as:

Applicant's name..... : Surema ID Inc.

1207, 37, Sagimakgol-ro 62beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

Manufacturer name.... : The same as above

Factory name..... : The same as above

Product name..... : RealPass-N

Basic Model..... : RP-N

Multiple Model..... : RealPass-N(MOJ), RealPass-NB, RealPass-N, RP-NB, RPN-B, RPN-F, RPN-J

Model differences..... : The multi model(s) are identical to the basic model, except that the model name were different.

RoHS TEST REPORT

European Directive 2011/65/EU, 2015/863/EU

Evaluation of RoHS Requirements for Electrical and Electronic Equipment

Trade mark…….. : N.A.

Type of Category…….. : Category 03. IT and telecommunications equipment.

Directive..... : 2011/65/EU, 2015/863/EU

Test Standard(s)..... : IEC 63000:2016, IEC 62321-3-1:2013, IEC 62321-4:2013 + AMD1:2017 CSV, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-8:2017

Test Result..…….. : The equipment which was evaluated has fulfilled with requirement of 2011/65/EU, 2015/863/EU Directive for the materials :
Pb, Cd, Hg, Cr(VI), PBBs, PBDEs, DEHP, BBP, DBP, DIBP

Final test result ; PASS

Approved by :

Technical Manager : Kyung Jun Choi

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2. Review of verification test reports according to sampling 4
3. Requirements of test report 4
4. Other information 4

Attachment.

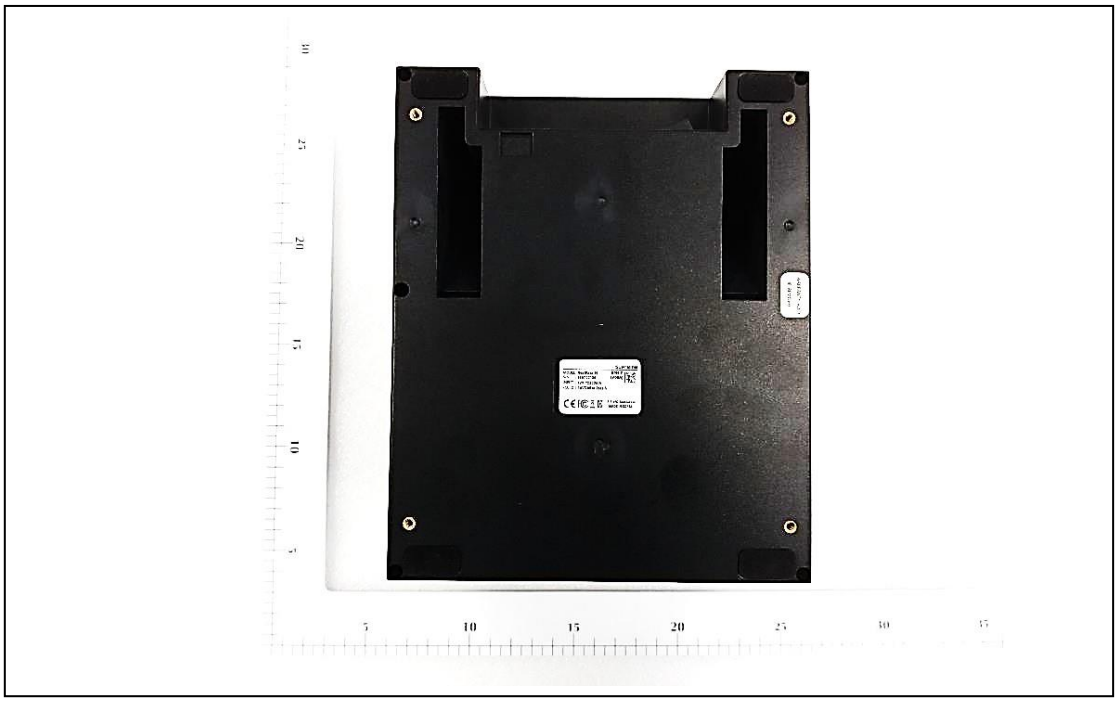
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Clause	Requirement - Test	Result	Verdict
1	RoHS Compliance based on test reports		
1.1	Review of component's test reports according to BOM	Checked	P
1.1.1	Dose evaluated product is composed by components which is listed in BOM?	Checked	P
1.1.2	Dose each components is complied with the requirement of employed directive or manufacturer declared limits?	Checked	P
1.2	Review of verification test reports according to sampling	Checked	P
1.2.1	If it was performed the item 1.1, did sampling was performed in appropriate?	Refer to Appendix lll	P
1.2.2	If it was not performed the item 1.1, did it was fully considered the materials of component and does it was performed the sampling which is enough to represent the characteristics of population?		N/A
1.2.3	Is it complied with the requirements of employed directive or manufacturer declares limits for sample tested?		P
1.3	Requirements of test report		P
1.3.1	Is it included the information of manufacturer, sample, test lab or etc?	Refer to Appendix II	P
1.3.2	Is it clearly specified the test object as the port of components or product?		P
1.3.3	Is it described the information of directive or standards of test methods?		P
1.3.4	Is it described the results with accurately for interpretation, using or etc?		P
1.3.5	Is it confirmed the validity of test equipment and information of calibration?		P
1.4	Other information		
	Directive 2011/65/EU, Directive 2015/863/EU IEC 63000:2016, IEC 62321-3-1:2013 IEC 62321-4:2013+AMD1:2017 CSV, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-8:2017, IEC 62474:2018, IEC/TR 62476:2010		

Appendix I
Photos of product



Front view



Rear view

Appendix I
Photos of product

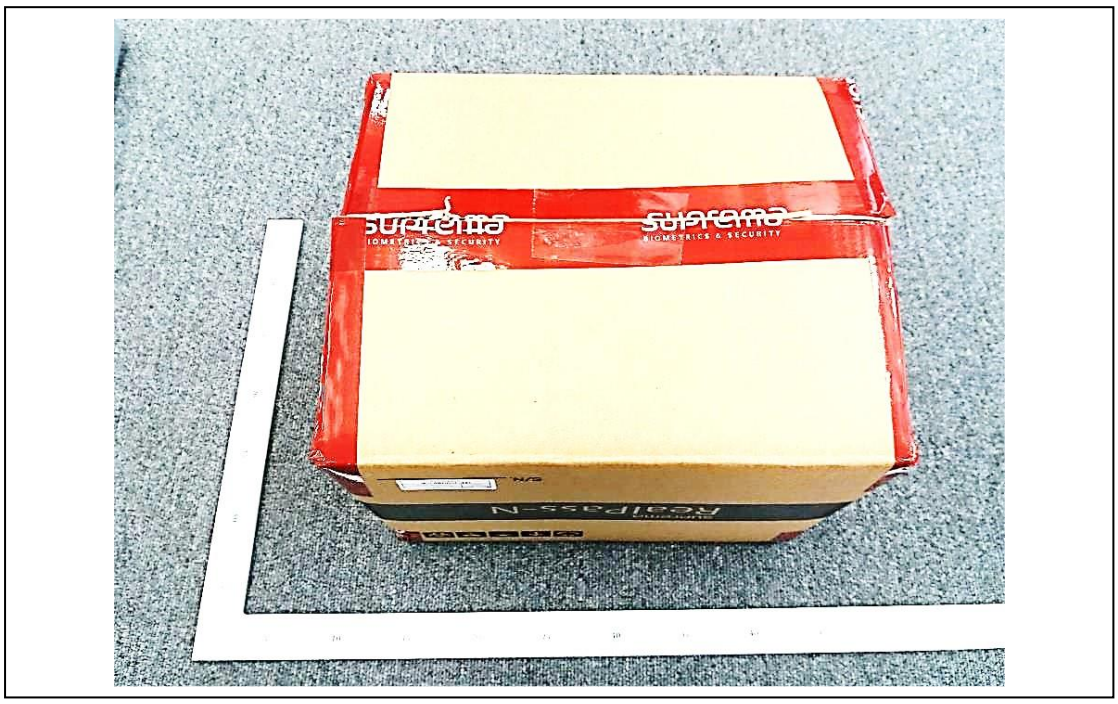


Inner view



Accessory view

Appendix I
Photos of product



Packaging view

Appendix II
Test method & Lab information

1. General

1.1 Employed standard : IEC 63000:2016

IEC 62321-3-1:2013

IEC 62321-4:2013+AMD1:2017 CSV

IEC 62321-5:2013

IEC 62321-6:2015

IEC 62321-7-1:2015

IEC 62321-7-2:2017

IEC 62321-8:2017

1.2 Applied sampling criteria

- Kind of components could be disassembled mechanically by using disassembly tools
- High risk components

2. Laboratory Information

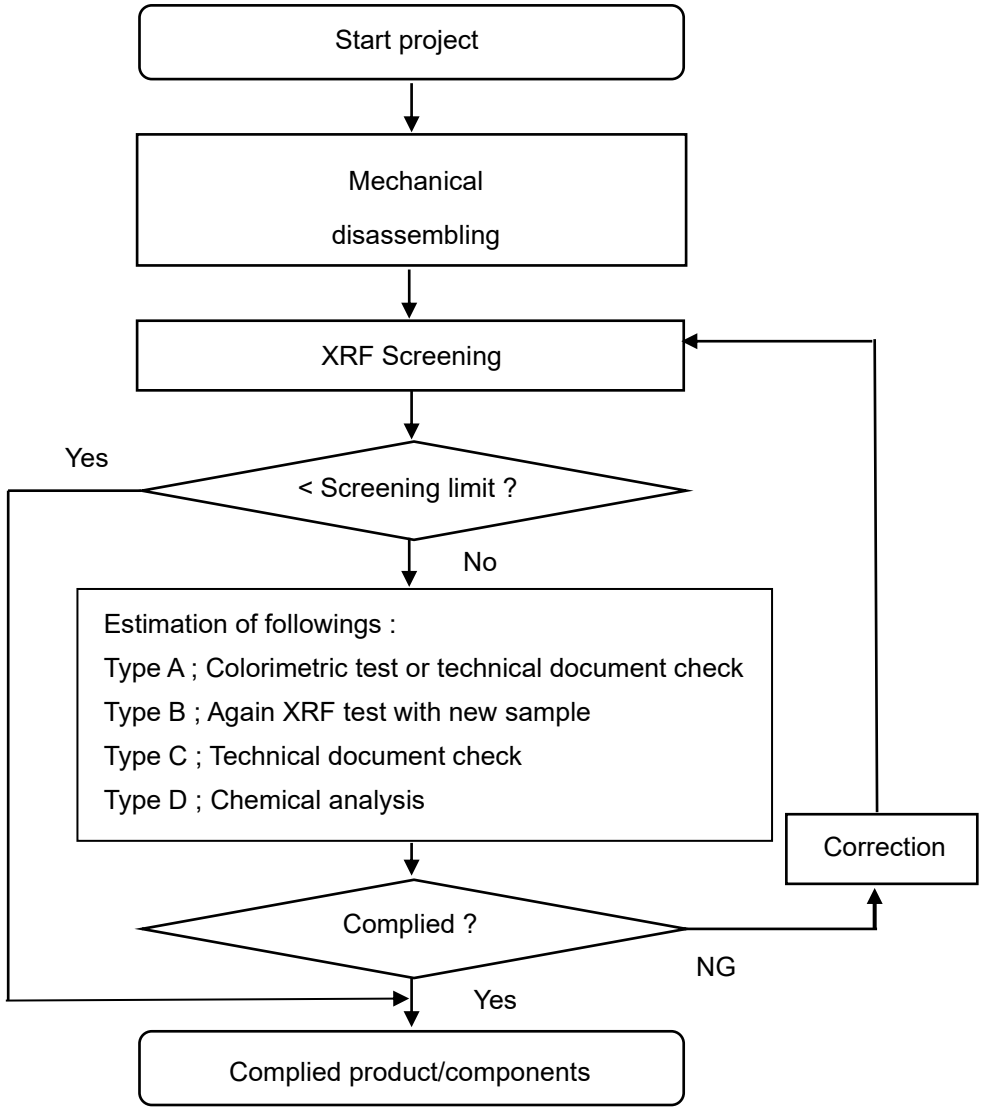
- Laboratory's Name : NICE Certification Co., Ltd.
- Address : 3F, 46, Gunpocheomdansaneop 2-ro, Gunpo-si, Gyeonggi-do, Republic of Korea
- Facilities used : ED-XRF (EA1000AIII, HITACHI)

ICP-OES (iCAP PRO XP Duo)

GC/MS (Clarus 690, Clarus SQ 8T)

UV/VIS Spectrometer (Lambda 365)

Appendix III
Verification XRF Test Results



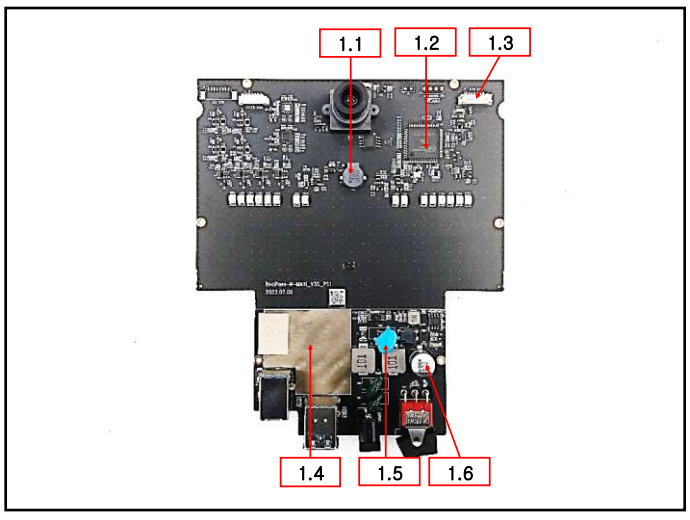
Note :

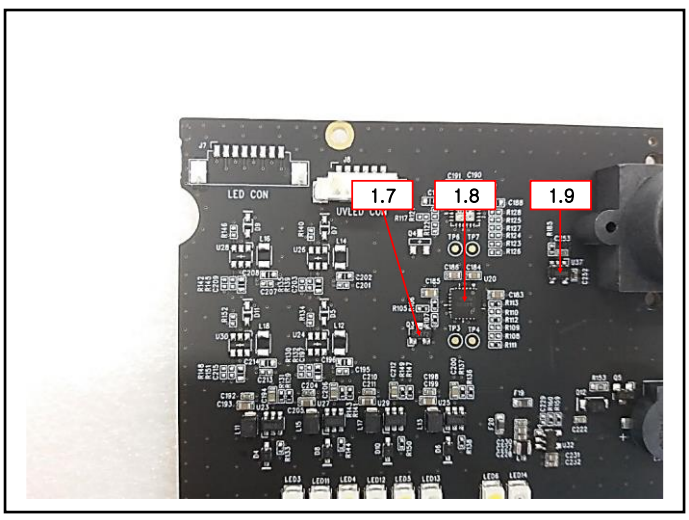
1. Basic acceptance criteria of XRF screening is IEC 62321-3-1:2013 Annex A
   (Screening limit refer to Appendix IV, 3 clause)
2. The additional investigation procedures are taken where doubtful test result for XRF screening
3. For maintaining product quality, the comparison and verification are required between analytical test reports and XRF screening results if possible

Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
1.1	BMX-3203	KANGSEOEST	BL	BL	BL	BL	BL	N.A.	Pass
1.2	V3S	ALLWINNER	BL	BL	BL	BL	BL	N.A.	Pass
1.3	12505WS-07	YEONHO	BL	BL	BL	BL	181234	Br - Type C	Pass
1.4	TAPE-EMI	SOLUETA	BL	BL	BL	BL	BL	N.A.	Pass
1.5	SVR220D10B	HIEL	BL	BL	BL	BL	BL	N.A.	Pass
1.6	MVK10.0TP25VC470M (10*10)	SAMYOUNG	BL	BL	BL	BL	N.A.	N.A.	Pass
1.7	MMBT7002K-V	TOPDYNAMIC	BL	BL	BL	BL	BL	N.A.	Pass
1.8	LM2754SQ/NOPB	TEXAS INSTRUMENTS	BL	BL	BL	BL	BL	N.A.	Pass
1.9	GS7119ST-1P2-R	GSTEK	BL	BL	BL	BL	BL	N.A.	Pass

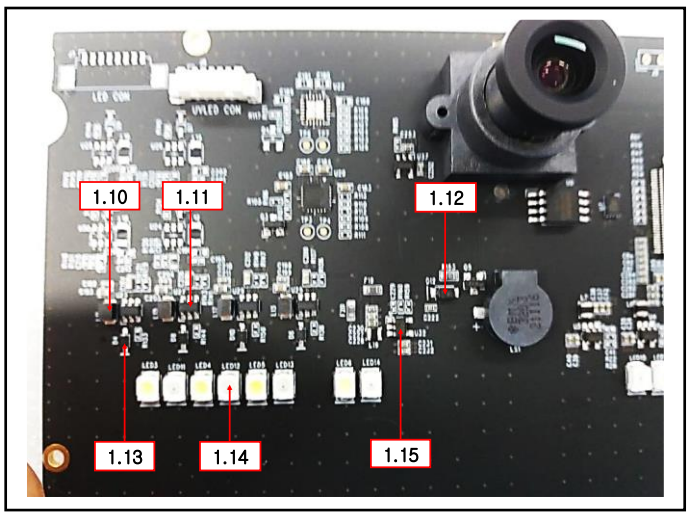


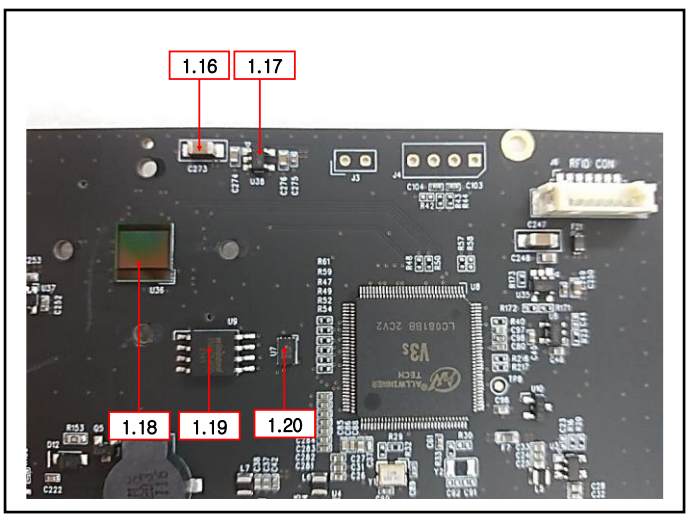


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
1.10	NLV25T-100J-PF	TDK	BL	BL	BL	BL	BL	N.A.	Pass
1.11	AP5724WUG-7	DIODES	BL	BL	BL	BL	BL	N.A.	Pass
1.12	1N4148W	TOPDYNAMIC	BL	BL	BL	BL	BL	N.A.	Pass
1.13	SD103AWS	MDD	BL	BL	BL	BL	BL	N.A.	Pass
1.14	CL-SFC681IR-850	CIEL LIGHT	BL	BL	BL	BL	BL	N.A.	Pass
1.15	FP6381AS5CTR	FITI POWER	BL	BL	BL	BL	BL	N.A.	Pass
1.16	22uF/10V/K/X5R/3216	SAMSUNG ELECTRO	BL	BL	BL	BL	BL	N.A.	Pass
1.17	FP6861E-C1AS5CTR	FITI POWER	BL	BL	BL	BL	BL	N.A.	Pass
1.18	PS5520LT-AA	PIXART IMAGING	BL	BL	BL	BL	BL	N.A.	Pass
1.19	W25Q128JVSIQ	WINBOND	BL	BL	BL	BL	BL	N.A.	Pass
1.20	ATAES132A-MAHER	MICROCHIP	BL	BL	BL	BL	BL	N.A.	Pass

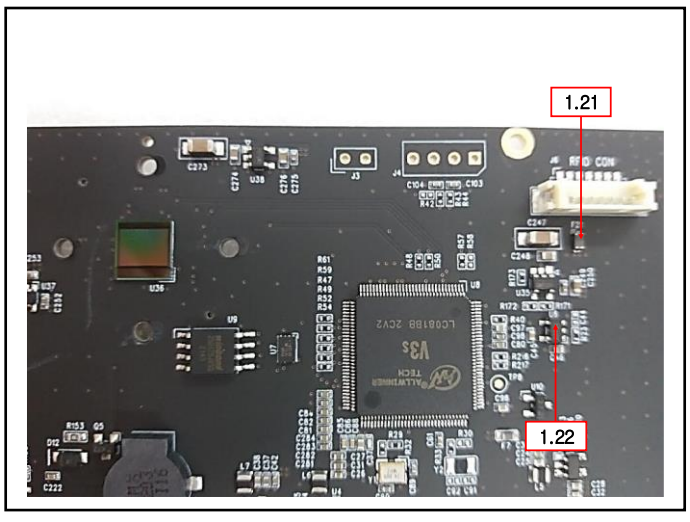


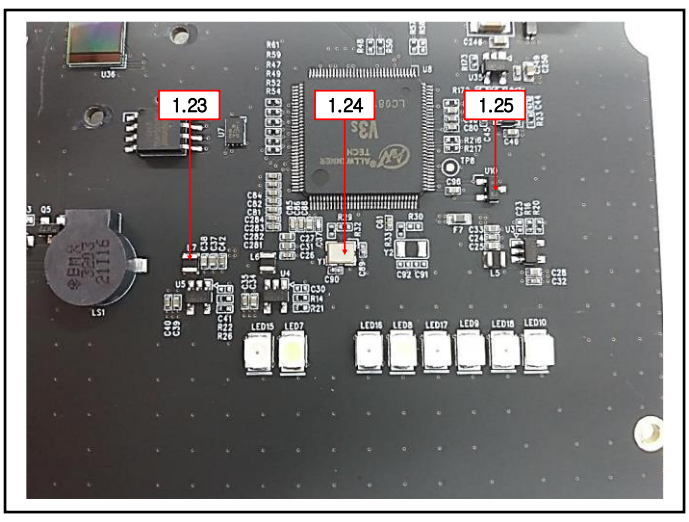


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
1.21	ICMF212P121MFR	MODA INNOCHIPS	BL	BL	BL	BL	BL	N.A.	Pass
1.22	GS7119ST-3P0-R	GSTEK	BL	BL	BL	BL	BL	N.A.	Pass
1.23	MP201610H2R2MFR	MODA INNOCHIPS	BL	BL	BL	BL	BL	N.A.	Pass
1.24	SX-32-20-20D3 -24.000MHZ-9PF	SHINSUNG SAW ELECTRONICS	BL	BL	BL	3962	N.A.	Cr - Type A	Pass
1.25	FA7027AS	FIRST SILICON	BL	BL	BL	BL	BL	N.A.	Pass

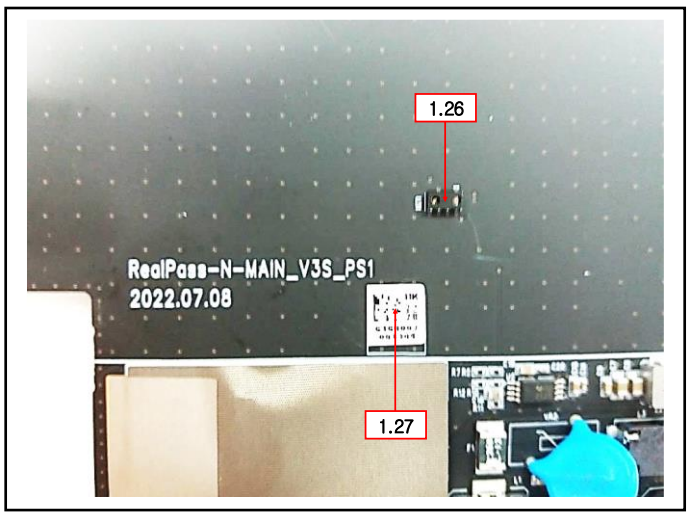


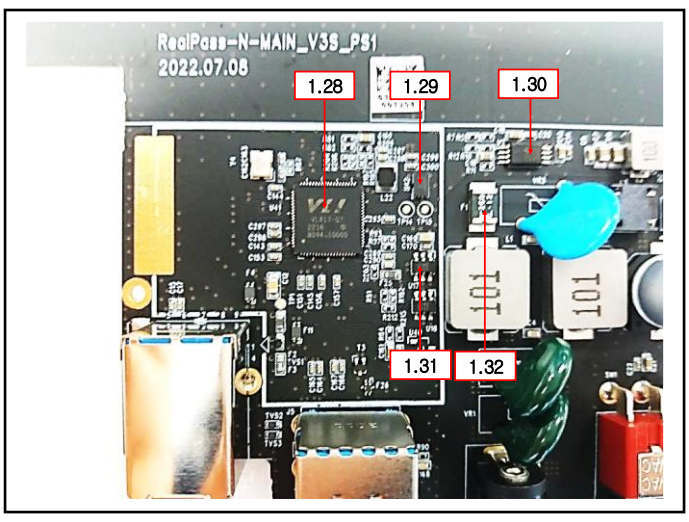


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
1.26	CM36672P	CAPELLA MICROSYSTEMS	BL	BL	BL	BL	BL	N.A.	Pass
1.27	BSN Label	SOLBAR	BL	BL	BL	BL	BL	N.A.	Pass
1.28	VL817-Q7	VIA LABS	BL	BL	BL	BL	BL	N.A.	Pass
1.29	FM25F01C-US -TC-G	FUDAN MICROELECTRONICS	BL	BL	BL	BL	BL	N.A.	Pass
1.30	TPS2115PW	TEXAS INSTRUMENTS	BL	BL	BL	BL	BL	N.A.	Pass
1.31	ET2016	ETEK MICROELECTRONICS	BL	BL	BL	BL	BL	N.A.	Pass
1.32	1812L260/12MR	LITTLEFUSE	BL	BL	BL	BL	BL	N.A.	Pass

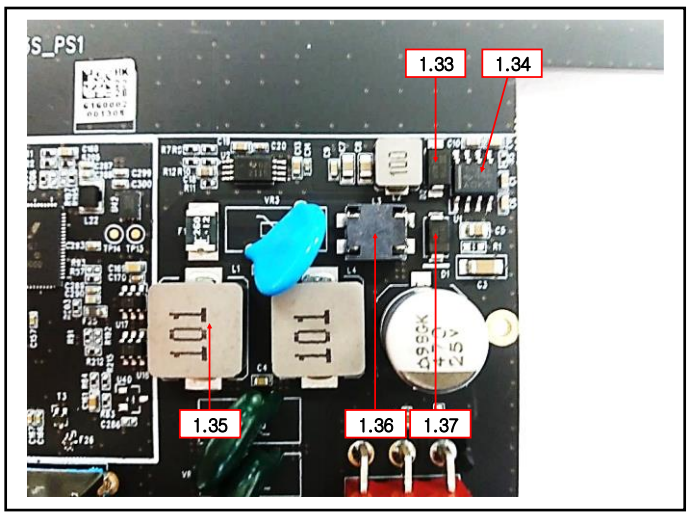


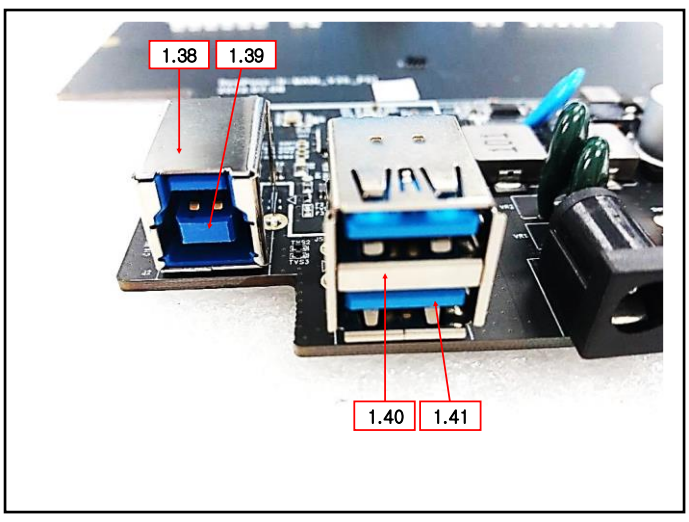


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Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
1.33	B240A-13-F	DIODES	BL	BL	BL	BL	BL	N.A.	Pass
1.34	TPS54331D	TEXAS INSTRUMENTS	BL	BL	BL	BL	BL	N.A.	Pass
1.35	EMA10040S -101M	EL3COIL	BL	BL	BL	102520	BL	Cr - Type A	Pass
1.36	ACM7060-701 -2PL	TDK	BL	BL	BL	BL	BL	N.A.	Pass
1.37	SS14	MDD	BL	BL	BL	BL	BL	N.A.	Pass
1.38	91-US01-680	SHEN ZHEN SHI HUA LIAN WEI	BL	BL	BL	BL	N.A.	N.A.	Pass
1.39			BL	BL	BL	BL	50647	Br - Type C	Pass
1.40	91-US01-270	SHEN ZHEN SHI HUA LIAN WEI	BL	BL	BL	BL	N.A.	N.A.	Pass
1.41			BL	BL	BL	BL	BL	N.A.	Pass

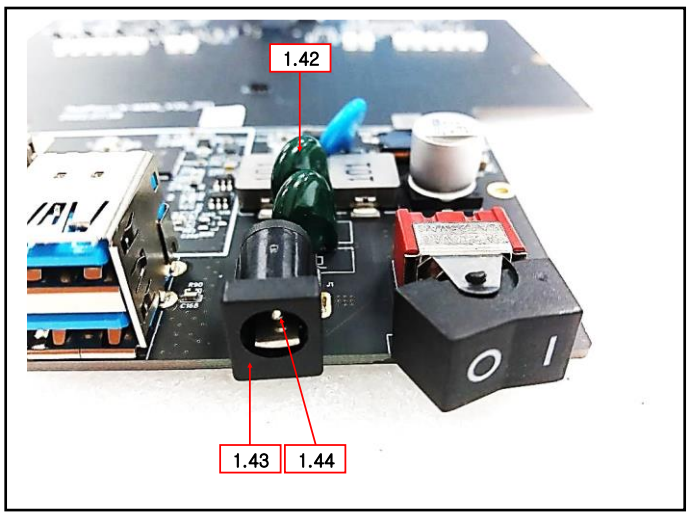


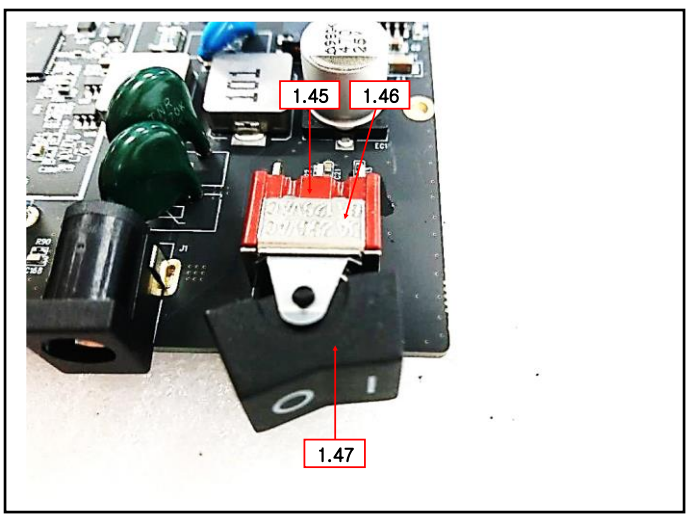


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
1.42	TNR10V470K	NIPPON CHEMICON	BL	BL	BL	BL	23729	Br - Type C	Pass
1.43	7110DC-00050 -AH	GANA ELECTRONICS	BL	BL	BL	BL	3230	Br - Type C	Pass
1.44			BL	BL	BL	BL	N.A.	N.A.	Pass
1.45	RLS-102-A3	TIAN HU	BL	BL	BL	BL	BL	N.A.	Pass
1.46			BL	BL	BL	BL	N.A.	N.A.	Pass
1.47			BL	BL	BL	BL	BL	N.A.	Pass

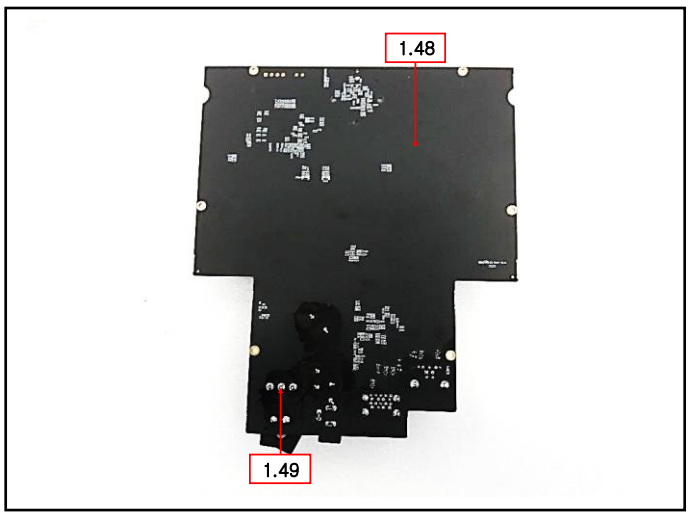


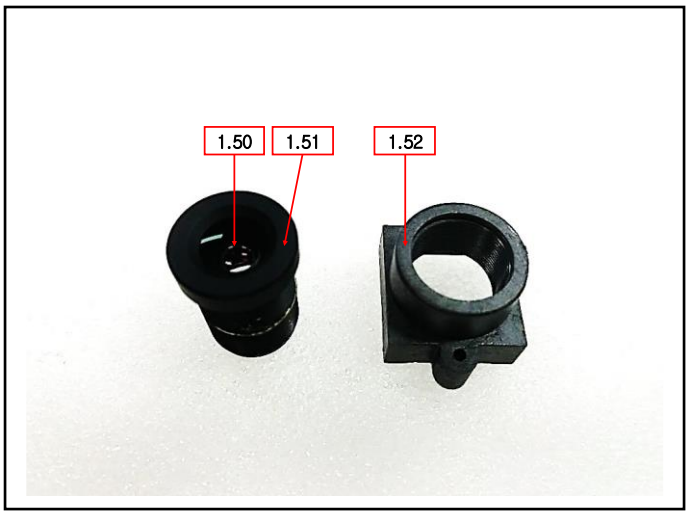


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
1.48	MAIN PCB	GPN	BL	BL	BL	BL	BL	N.A.	Pass
1.49	Soldering	CNC Electron	BL	BL	BL	BL	N.A.	N.A.	Pass
1.50	Lens	DAIWON OPTICAL	BL	BL	BL	BL	BL	N.A.	Pass
1.51			BL	BL	BL	BL	N.A.	N.A.	Pass
1.52			BL	BL	BL	BL	BL	N.A.	Pass

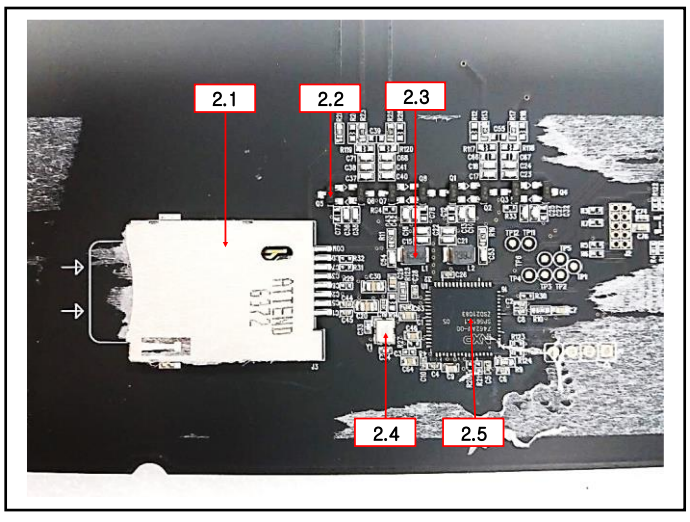


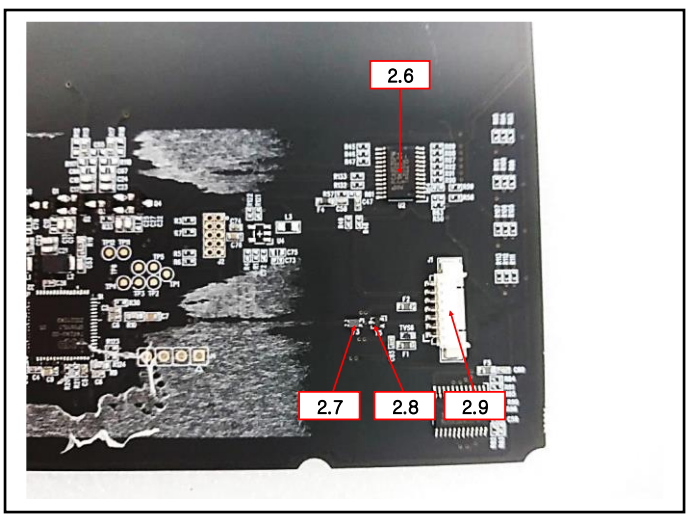


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
2.1	AUSIM-115AADA0-R02	AUSTONE	BL	BL	BL	164080	N.A.	Cr - Type A	Pass
2.2	2N7002P	NXP SEMICONDUCTORS	BL	BL	BL	BL	BL	N.A.	Pass
2.3	NLV32T-R39J-EF	TDK	BL	BL	BL	BL	BL	N.A.	Pass
2.4	SX-32-10-10D3 -27.120MHZ-9PF	SHINSUNG SAW ELECTRONICS	BL	BL	BL	BL	N.A.	N.A.	Pass
2.5	PN7462AUHN	NXP SEMICONDUCTORS	BL	BL	BL	BL	BL	N.A.	Pass
2.6	PCA9535PW	NXP SEMICONDUCTORS	BL	BL	BL	BL	BL	N.A.	Pass
2.7	ICMF212P121MFR	MODA INNOCHIPS	BL	BL	BL	BL	BL	N.A.	Pass
2.8	BV-E505U2A	BENCENT	BL	BL	BL	BL	BL	N.A.	Pass
2.9	53261-0771	MOLEX	BL	BL	BL	BL	147742	Br - Type C	Pass

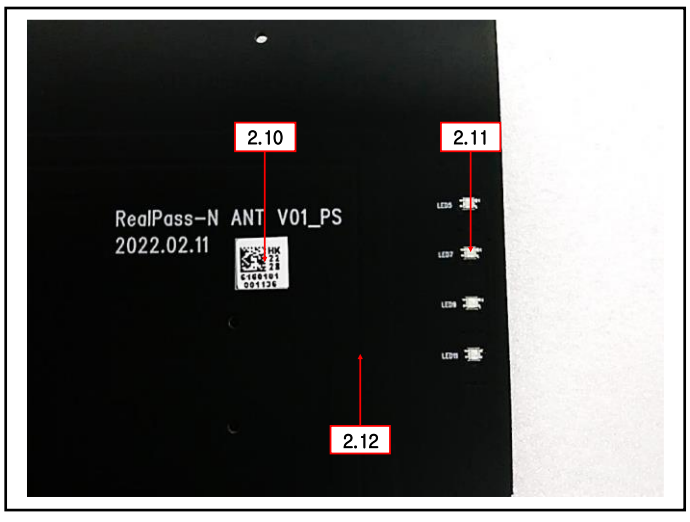


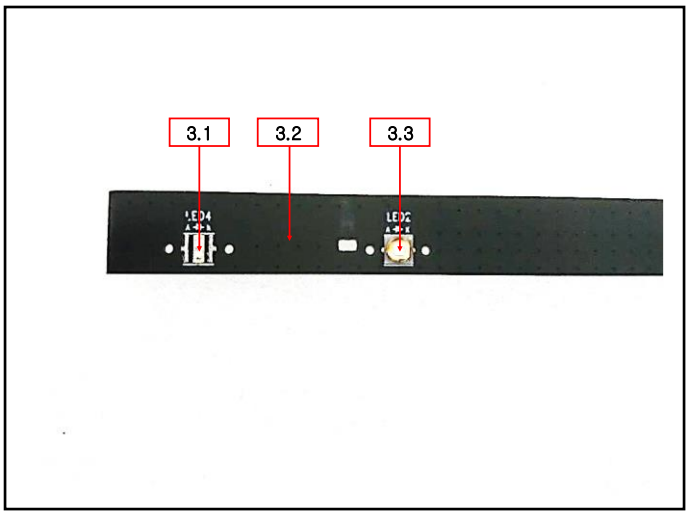


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
2.10	BSN Label	SOLBAR	BL	BL	BL	BL	BL	N.A.	Pass
2.11	BL-HJEGKBE36T-TRB	BRIGHT LED	BL	BL	BL	BL	BL	N.A.	Pass
2.12	ANT PCB	GPN	BL	BL	BL	BL	9803	Br - Type C	Pass
3.1	Soldering	CNC Electron	BL	BL	BL	BL	N.A.	N.A.	Pass
3.2	UV LED PCB	GPN	BL	BL	BL	BL	BL	N.A.	Pass
3.3	CUN66A1A/CUN66A1B	SEOUL VIOSYS	BL	BL	BL	BL	BL	N.A.	Pass

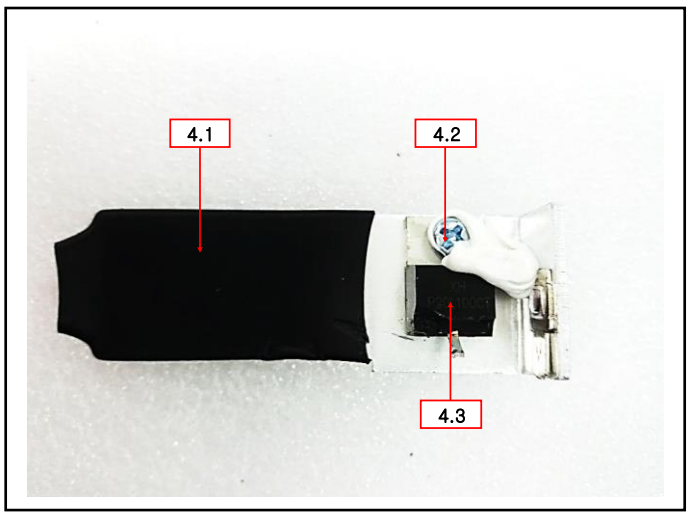


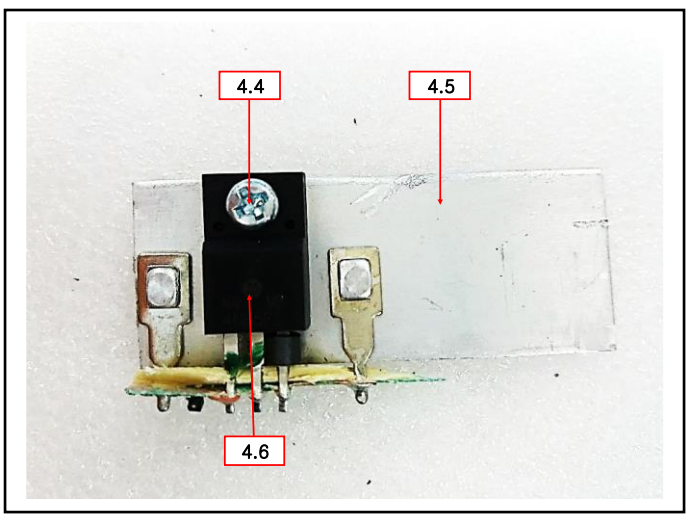


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
4.1	ADAPTER	KEERDA ELECTRONICS	BL	BL	BL	BL	70217	Br - Type C	Pass
4.2			BL	BL	BL	1020	N.A.	Cr - Type A	Pass
4.3			BL	BL	BL	BL	3777	Br - Type C	Pass
4.4			BL	BL	BL	1378	N.A.	Cr - Type A	Pass
4.5			BL	BL	BL	BL	N.A.	N.A.	Pass
4.6			BL	BL	BL	BL	1470	Br - Type C	Pass

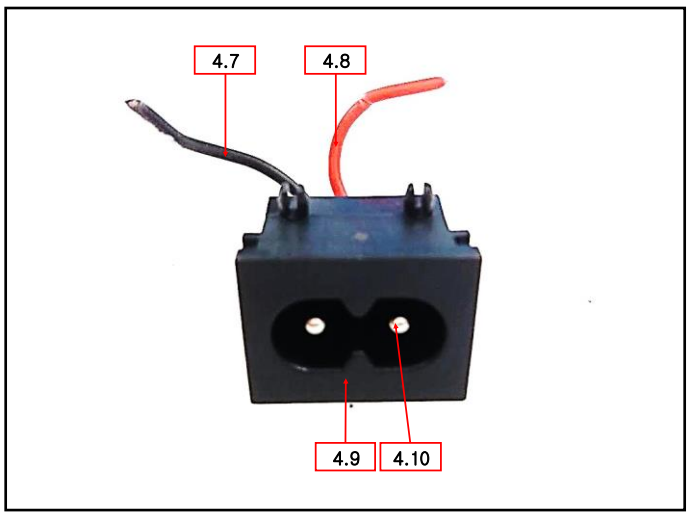


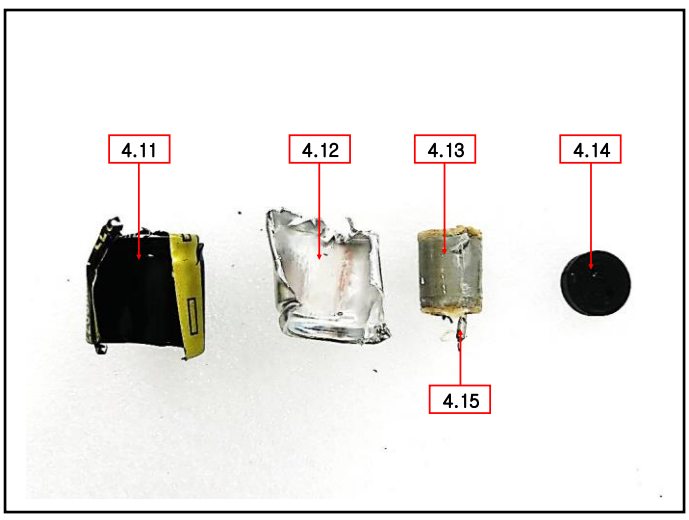


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
4.7	ADAPTER	KEERDA ELECTRONICS	BL	BL	BL	BL	BL	N.A.	Pass
4.8			BL	BL	BL	BL	BL	N.A.	Pass
4.9			BL	BL	BL	BL	110292	Br - Type C	Pass
4.10			BL	BL	BL	BL	N.A.	N.A.	Pass
4.11			BL	BL	BL	BL	BL	N.A.	Pass
4.12			BL	BL	BL	BL	N.A.	N.A.	Pass
4.13			BL	BL	BL	BL	BL	N.A.	Pass
4.14			BL	BL	BL	BL	BL	N.A.	Pass
4.15			BL	BL	BL	BL	N.A.	N.A.	Pass

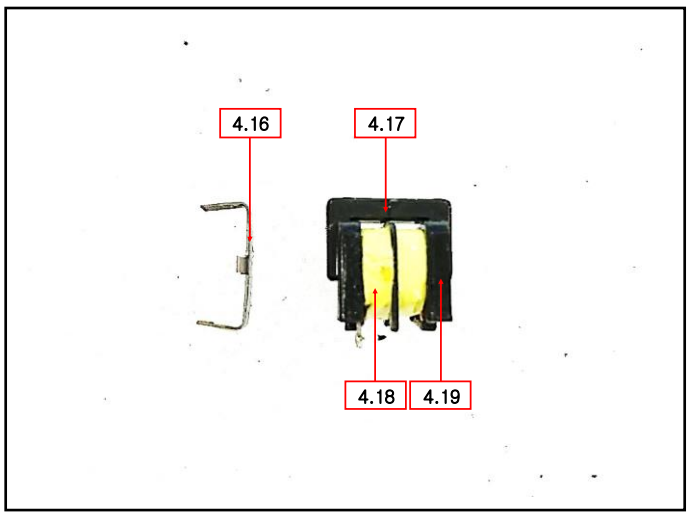


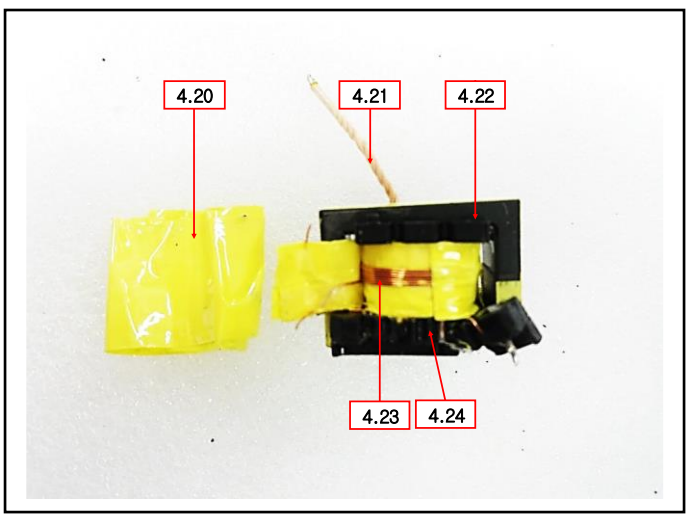


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
4.16	ADAPTER	KEERDA ELECTRONICS	BL	BL	BL	130312	N.A.	Cr - Type A	Pass
4.17			BL	BL	BL	BL	BL	N.A.	Pass
4.18			BL	BL	BL	BL	BL	N.A.	Pass
4.19			BL	BL	BL	BL	BL	N.A.	Pass
4.20			BL	BL	BL	BL	BL	N.A.	Pass
4.21			BL	BL	BL	BL	BL	N.A.	Pass
4.22			BL	BL	BL	BL	BL	N.A.	Pass
4.23			BL	BL	BL	BL	N.A.	N.A.	Pass
4.24			BL	BL	BL	BL	BL	N.A.	Pass

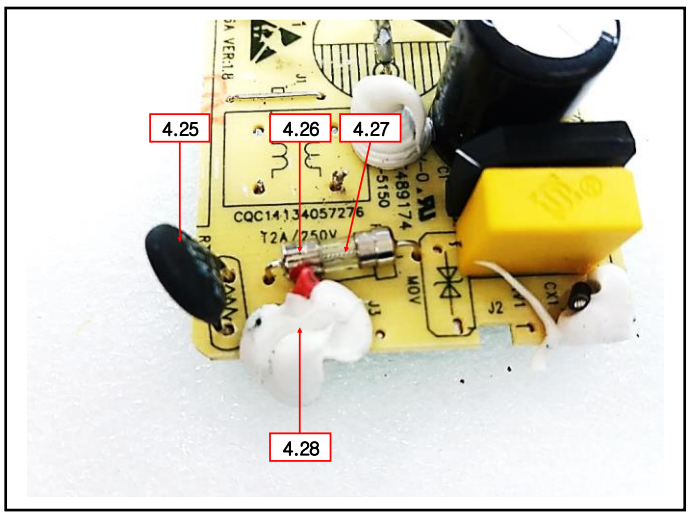


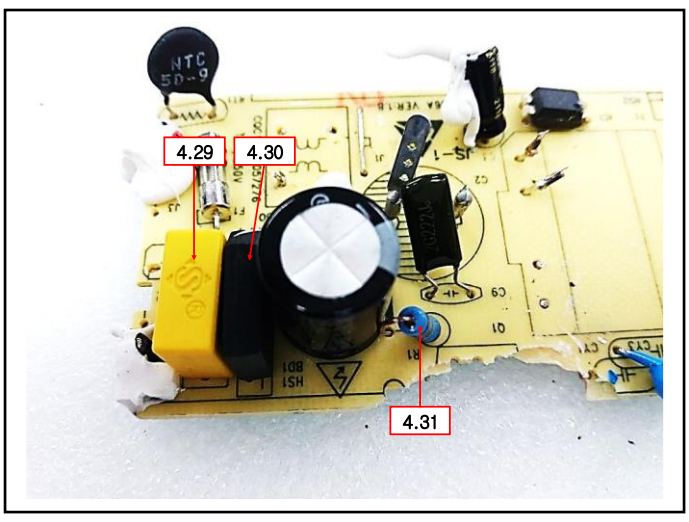


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
4.25	ADAPTER	KEERDA ELECTRONICS	BL	BL	BL	BL	BL	N.A.	Pass
4.26			BL	BL	BL	BL	N.A.	N.A.	Pass
4.27			BL	BL	BL	BL	BL	N.A.	Pass
4.28			BL	BL	BL	BL	BL	N.A.	Pass
4.29			BL	BL	BL	BL	33913	Br - Type C	Pass
4.30			BL	BL	BL	BL	3792	Br - Type C	Pass
4.31			BL	BL	BL	BL	BL	N.A.	Pass

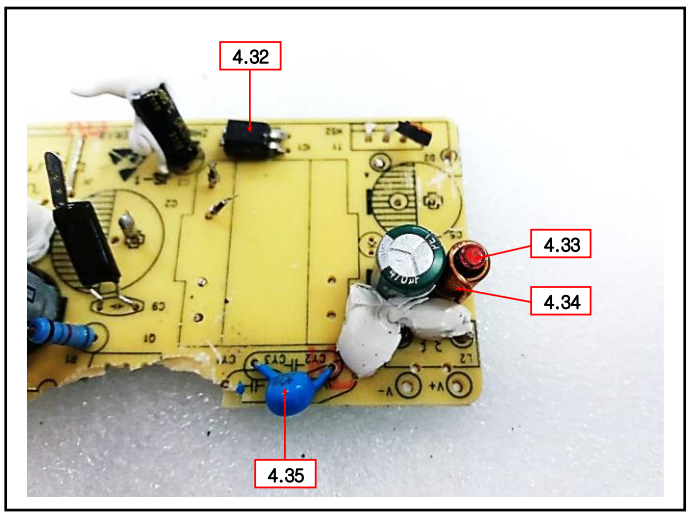


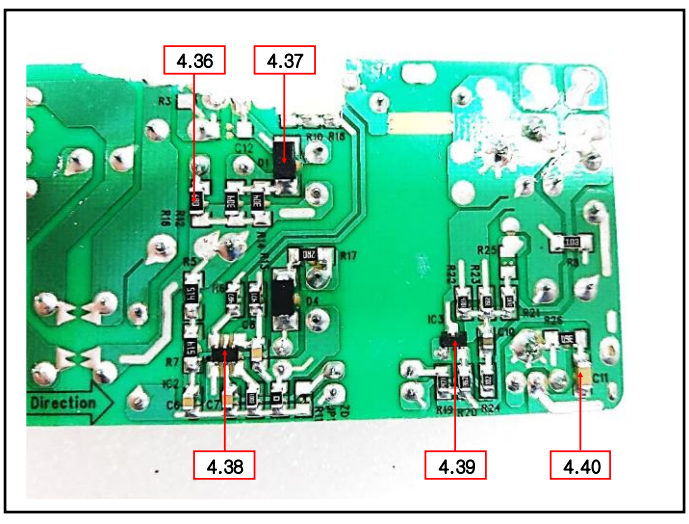


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
4.32	ADAPTER	KEERDA ELECTRONICS	BL	BL	BL	BL	BL	N.A.	Pass
4.33			BL	BL	BL	BL	BL	N.A.	Pass
4.34			BL	BL	BL	BL	N.A.	N.A.	Pass
4.35			BL	BL	BL	BL	BL	N.A.	Pass
4.36			BL	BL	BL	BL	BL	BL	BL
4.37			BL	BL	BL	BL	335	Br - Type C	Pass
4.38			BL	BL	BL	BL	689	Br - Type C	Pass
4.39			BL	BL	BL	BL	374	Br - Type C	Pass
4.40			BL	BL	BL	BL	551	Br - Type C	Pass

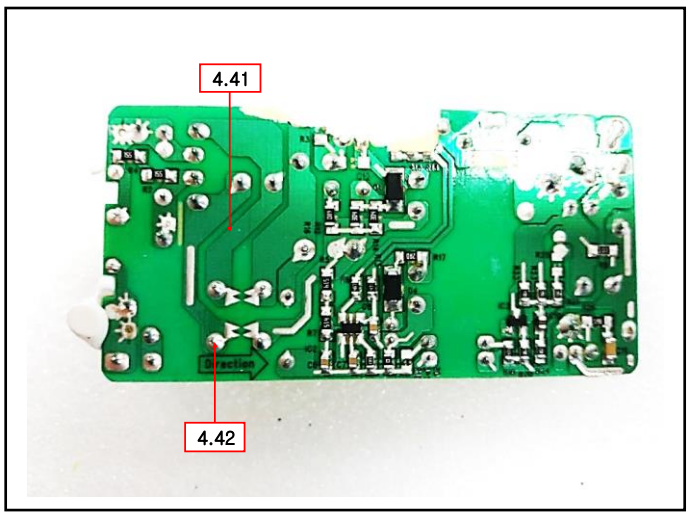




Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
4.41	ADAPTER	KEERDA ELECTRONICS	BL	BL	BL	BL	40076	Br - Type C	Pass
4.42			BL	BL	BL	BL	N.A.	N.A.	Pass
4.43			BL	BL	BL	BL	1144	Br - Type C	Pass
4.44			BL	BL	BL	BL	BL	N.A.	Pass

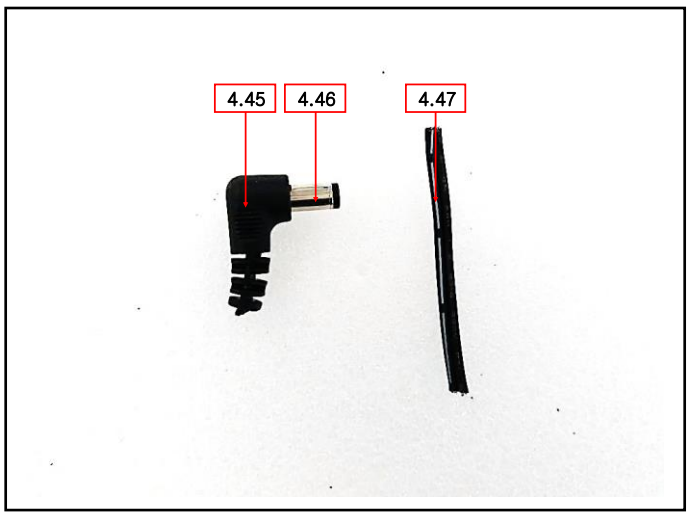


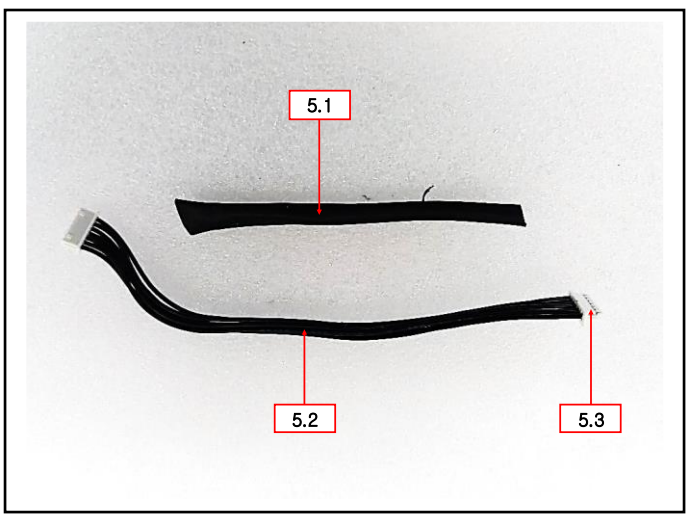


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
4.45	ADAPTER	KEERDA ELECTRONICS	BL	BL	BL	BL	BL	N.A.	Pass
4.46			BL	BL	BL	BL	N.A.	N.A.	Pass
4.47			BL	BL	BL	BL	BL	N.A.	Pass
5.1	CABLE HARNESS	TSJ	BL	BL	BL	BL	BL	N.A.	Pass
5.2			BL	BL	BL	BL	BL	N.A.	Pass
5.3			BL	BL	BL	BL	154042	Br - Type C	Pass



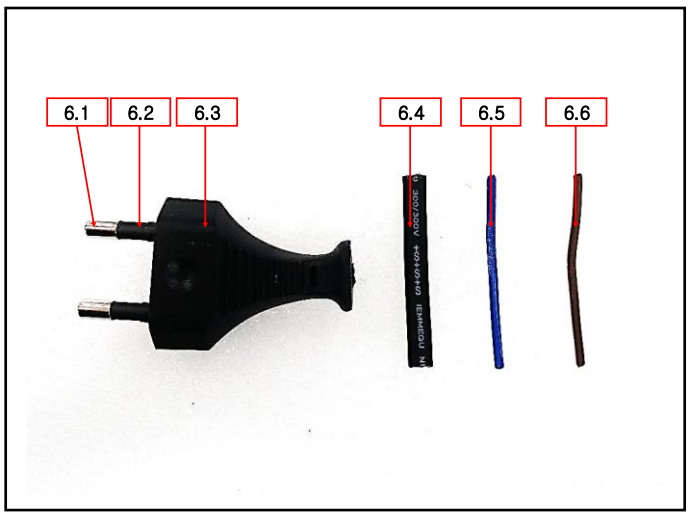


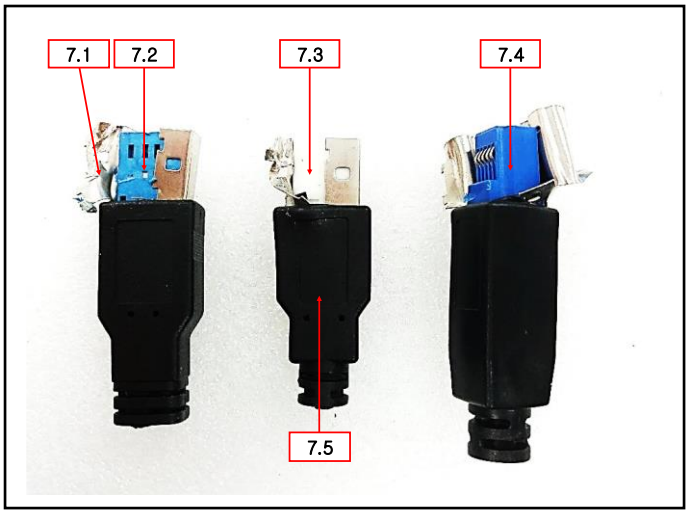
Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
6.1	Power Cable	KEERDA ELECTRONICS	BL	5800	BL	BL	N.A.	Pb - Exemption ANNEX Ⅲ 6(c)	Pass
6.2			BL	BL	BL	BL	41856	Br - Type C	Pass
6.3			BL	BL	BL	BL	BL	N.A.	Pass
6.4			BL	BL	BL	BL	BL	N.A.	Pass
6.5			BL	BL	BL	BL	BL	N.A.	Pass
6.6			BL	BL	BL	BL	BL	N.A.	Pass
7.1	USB Cable	ZEUENC	BL	BL	BL	BL	N.A.	N.A.	Pass
7.2			BL	BL	BL	BL	BL	N.A.	Pass
7.3			BL	BL	BL	BL	BL	N.A.	Pass
7.4			BL	BL	BL	BL	39854	Br - Type C	Pass
7.5			BL	BL	BL	BL	BL	N.A.	Pass

*** Note ; ANNEXⅢ 6(c) : Copper alloy containing up to 4% lead by weight**

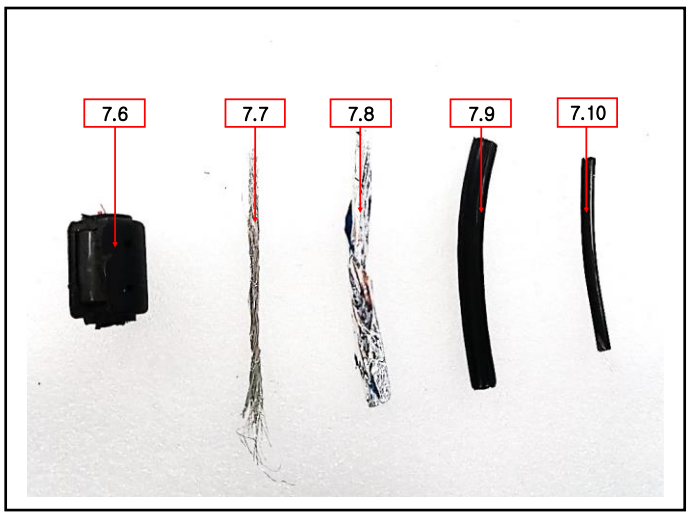


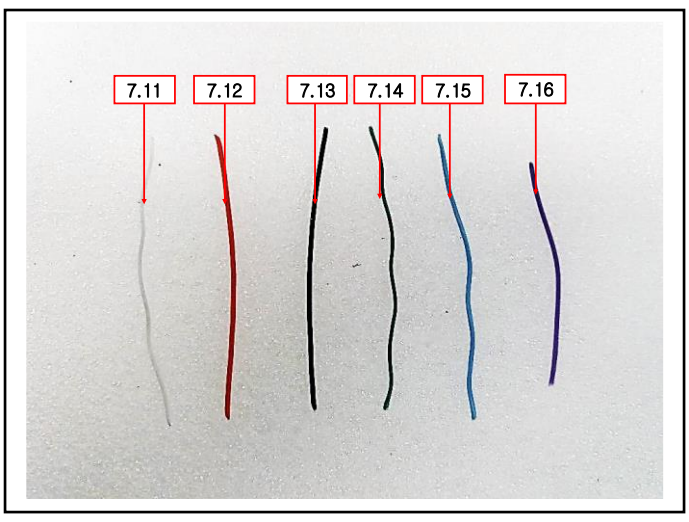


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
7.6	USB Cable	ZEUENC	BL	BL	BL	BL	BL	N.A.	Pass
7.7			BL	BL	BL	BL	N.A.	N.A.	Pass
7.8			BL	BL	BL	BL	N.A.	N.A.	Pass
7.9			BL	BL	BL	BL	BL	N.A.	Pass
7.10			BL	BL	BL	BL	BL	N.A.	Pass
7.11			BL	BL	BL	BL	BL	N.A.	Pass
7.12			BL	BL	BL	BL	BL	N.A.	Pass
7.13			BL	BL	BL	BL	BL	N.A.	Pass
7.14			BL	BL	BL	BL	BL	N.A.	Pass
7.15			BL	BL	BL	BL	BL	N.A.	Pass
7.16			BL	BL	BL	BL	BL	N.A.	Pass

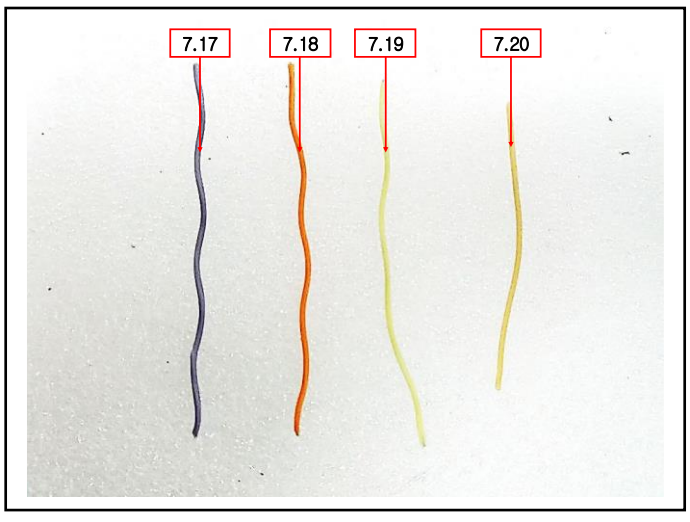


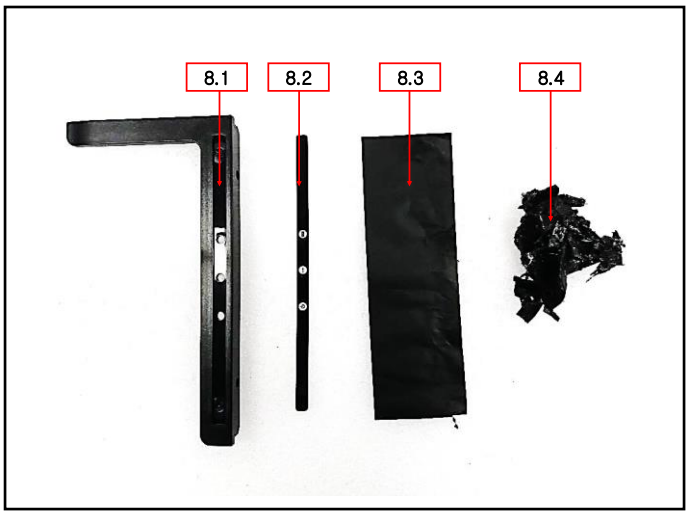


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
7.17	USB Cable	ZEUENC	BL	BL	BL	BL	BL	N.A.	Pass
7.18			BL	BL	BL	BL	BL	N.A.	Pass
7.19			BL	BL	BL	BL	BL	N.A.	Pass
7.20			BL	BL	BL	BL	BL	N.A.	Pass
8.1	Passport guide	SONTECH	BL	BL	BL	BL	BL	N.A.	Pass
8.2	Passport guide sheet	SONTECH	BL	BL	BL	BL	BL	N.A.	Pass
8.3	Ant cushion tape	SUNGJIN	BL	BL	BL	BL	BL	N.A.	Pass
8.4	Tape	SUNGJIN	BL	BL	BL	BL	BL	N.A.	Pass

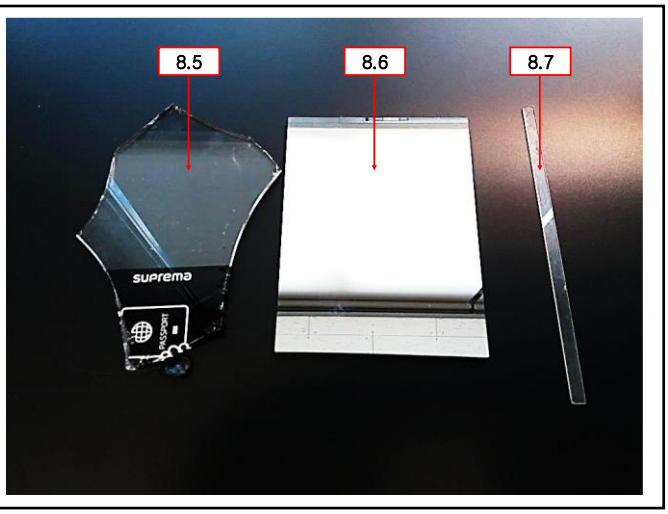


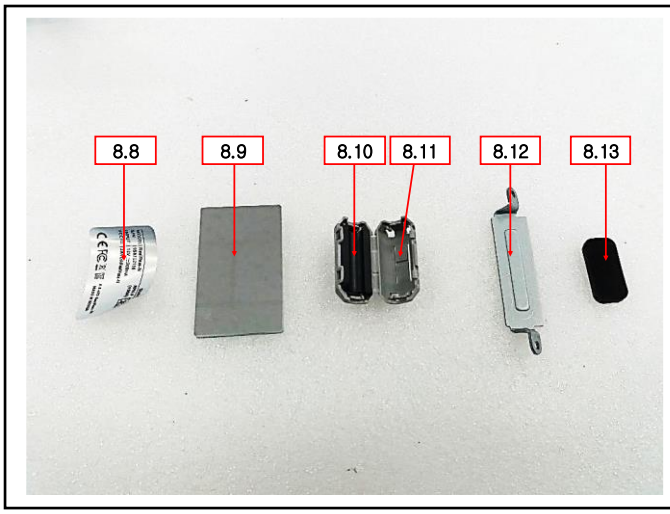


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
8.5	GLASS-DECO	JMC GLASS	BL	BL	BL	BL	BL	N.A.	Pass
8.6	GLASS-MIRROR	JMC GLASS	BL	BL	BL	BL	BL	N.A.	Pass
8.7	Deco Sheet	SUNGJIN	BL	BL	BL	BL	BL	N.A.	Pass
8.8	Serial label	SOLBAR	BL	BL	BL	BL	BL	N.A.	Pass
8.9	GLASS -MIRROR 2	JMC GLASS	BL	BL	BL	BL	BL	N.A.	Pass
8.10	SCRC35B	TSJ	BL	BL	BL	BL	BL	N.A.	Pass
8.11	SCRC35B	TSJ	BL	BL	BL	BL	BL	N.A.	Pass
8.12	PRESS-HOLDER	D&H	BL	BL	BL	BL	N.A.	N.A.	Pass
8.13	Rubber foot	SUNGJIN	BL	BL	BL	BL	BL	N.A.	Pass



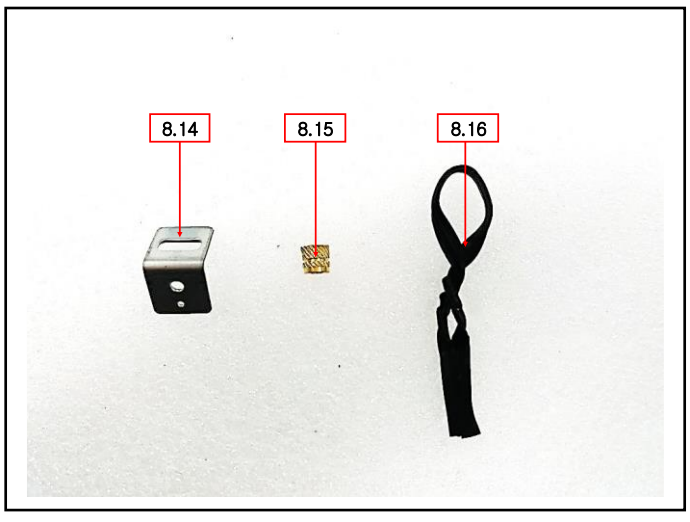


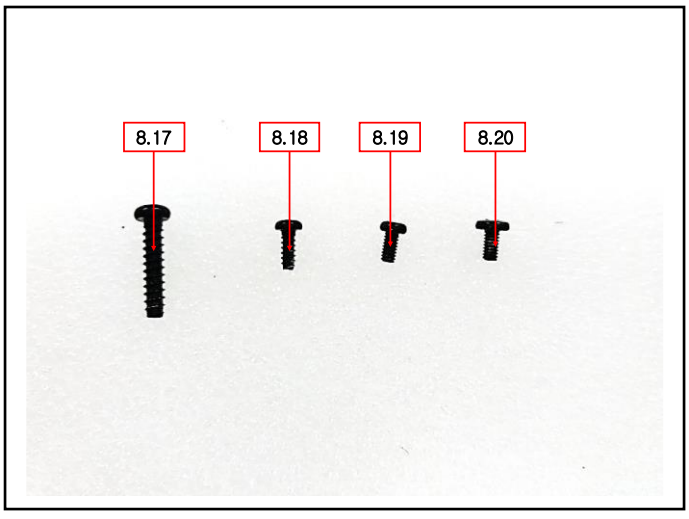
Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
8.14	Kensinton lock	D&H	BL	BL	BL	195586	N.A.	Cr - Type A	Pass
8.15	Insert nut	SONTECH	BL	30362	BL	BL	N.A.	Pb - Exemption ANNEX Ⅲ 6(c)	Pass
8.16	Cable Tie	JAEWOO	BL	BL	BL	BL	BL	N.A.	Pass
8.17	Screw	JUNGWOO BOLT	BL	BL	BL	1177	N.A.	Cr - Type A	Pass
8.18	Screw	JUNGWOO BOLT	BL	BL	BL	2756	N.A.	Cr - Type A	Pass
8.19	Screw	JUNGWOO BOLT	BL	BL	BL	2668	N.A.	Cr - Type A	Pass
8.20	Screw	JUNGWOO BOLT	BL	BL	BL	2757	N.A.	Cr - Type A	Pass

*** Note ; ANNEXⅢ 6(c) : Copper alloy containing up to 4% lead by weight**

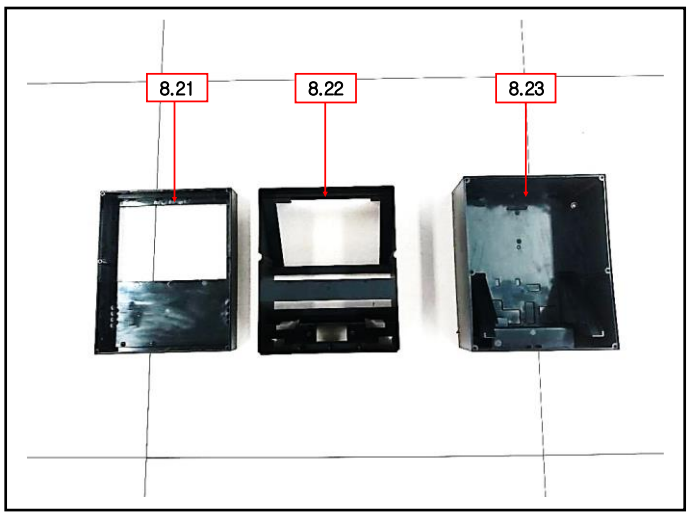


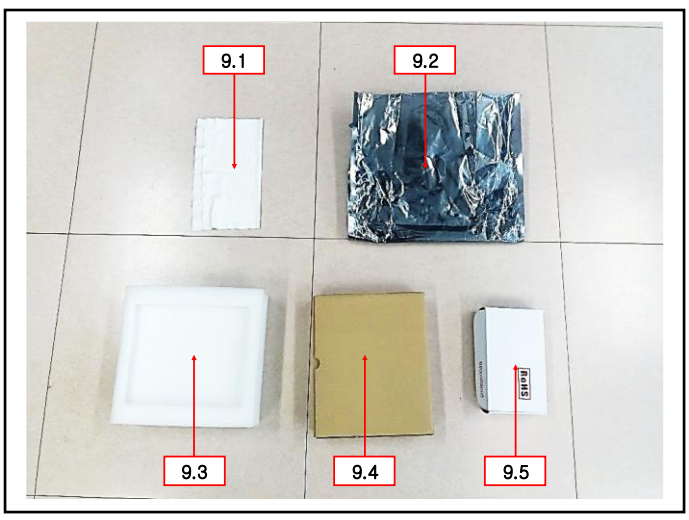


Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
8.21	Case top	SONTECH	BL	BL	BL	BL	BL	N.A.	Pass
8.22	Inner Bracket	SONTECH	BL	BL	BL	BL	BL	N.A.	Pass
8.23	Case bottom	SONTECH	BL	BL	BL	BL	BL	N.A.	Pass
9.1	Wiper	STARSYS KOREA	BL	BL	BL	BL	BL	N.A.	Pass
9.2	PE Bag	SUNGJIN	BL	BL	BL	BL	N.A.	Applied packaging directive	Pass
9.3	PE Foam top	EDEN MALANATA	BL	BL	BL	BL	N.A.		Pass
9.4	ACC Box	SINAN DESIGN	BL	BL	BL	BL	N.A.		Pass
9.5	Adapter Box	KEERDA ELECTRONICS	BL	BL	BL	BL	N.A.		Pass





Appendix III

Verification XRF Test Results

No.	Part name	Supplier	XRF Data (mg/kg)					Evaluation	Result
			Cd	Pb	Hg	Cr	Br		
9.6	PE Bag Adaptor	KEERDA ELECTRONICS	BL	BL	BL	BL	N.A.	Applied packaging directive	Pass
9.7	PE Bag USB	ZEUENC	BL	BL	BL	BL	N.A.		Pass
9.8	PE Bag cord	KEERDA ELECTRONICS	BL	BL	BL	BL	N.A.		Pass
9.9	Unit box	SINAN DESIGN	BL	BL	BL	BL	N.A.		Pass
9.10	Box label	SOLBAR	BL	BL	BL	BL	N.A.		Pass





Appendix III
Verification XRF Test Results

1. Results are obtained by ED XRF in regulated substances according to IEC 62321-3-1:2013 Annex A.

2. It is the result on total Br while test item on restricted substances is PBBs & PBDEs.
   Also, it is the result on total Cr while test item on restricted substance is hexavalent chromium.

3. Screening limits in mg/kg for regulated elements in various matrices

Element	Polymers	Metals	Composite material
Cd	BL ≤ 70-3σ < X 130+3σ ≤ OL	BL ≤ 70-3σ < X 130+3σ ≤ OL	BL ≤ 70-3σ < X 130+3σ ≤ OL
Pb	BL ≤ 700-3σ < X 130+3σ ≤ OL	BL ≤ 700-3σ < X 130+3σ ≤ OL	BL ≤ 700-3σ < X 130+3σ ≤ OL
Hg	BL ≤ 700-3σ < X 130+3σ ≤ OL	BL ≤ 700-3σ < X 130+3σ ≤ OL	BL ≤ 700-3σ < X 130+3σ ≤ OL
Br	BL ≤ 300-3σ < X	--	BL ≤ 250-3σ < X
Cr	BL ≤ 700-3σ < X	BL < 700-3σ < X	BL ≤ 500-3σ < X

4. Abbreviation :

Pb = Lead
Cd = Cadmium
Hg = Mercury
Cr = Chromium
Cr (VI) = Chromium (VI)
PBBs = Total Polybrominated Biphenyls
PBDEs = Total Polybrominated Diphenyl Ethers

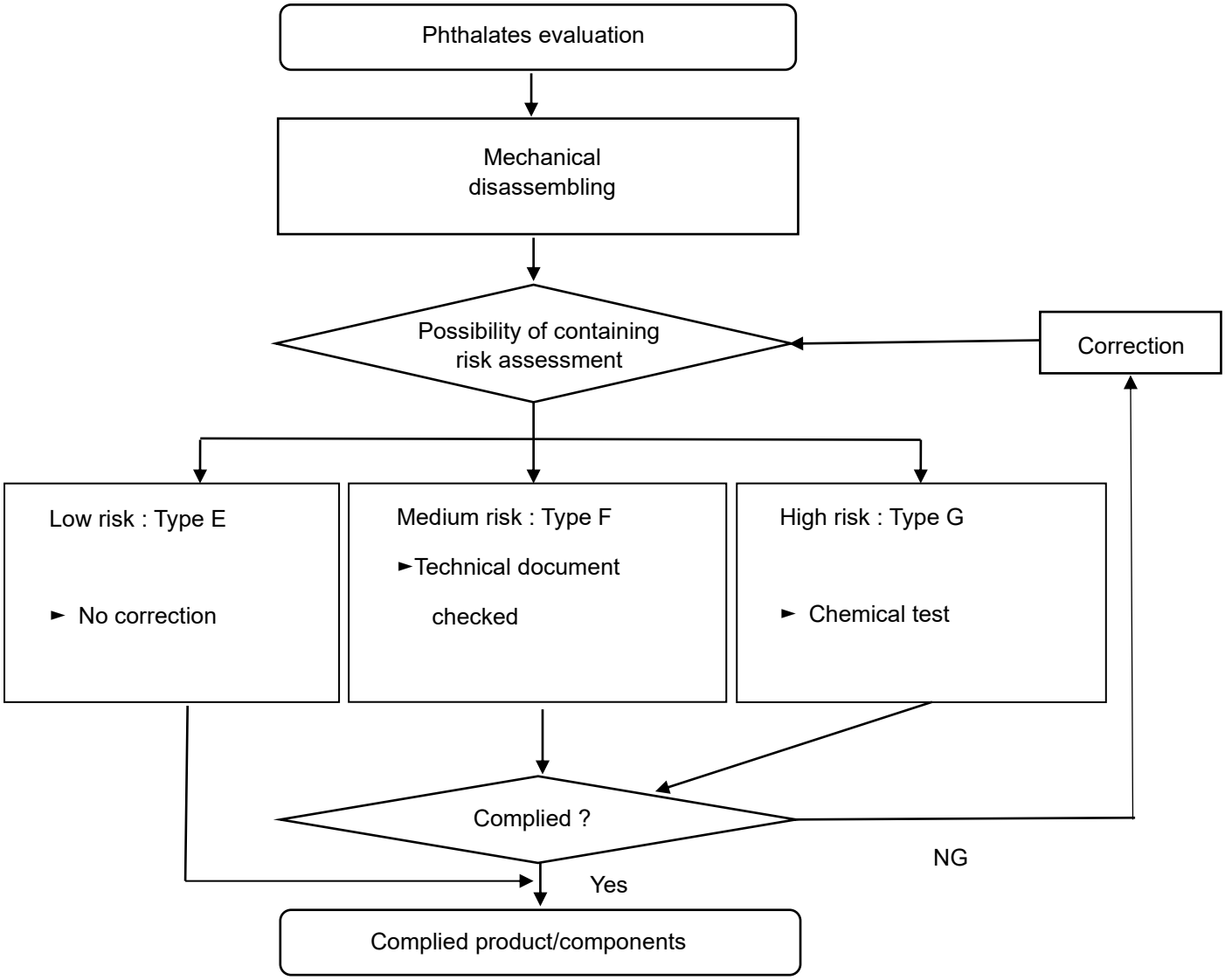
N.A. = Not Applicable
N.D. = Not Detected
BL = Below limit
OL = Over limit
X = Inconclusive

5. The type of estimation

Type A	Detected more than screening limits on total Cr and confirmed absence of Cr^{6+} by diphenylcarbazide reagent.
Type B	Primary test result failed and replaced new sample. Finally confirmed through again XRF test.
Type C	Detected more than screening limits on total Br and confirmed absence PBBs/PBDEs through technical document of detected parts or material.
Type D	Detected components/materials was tested by chemical analysis

Appendix IV

Phthalates risk evaluation



Note : 1. Basic acceptance criteria for possibility of containing phthalate is the following.

- If the XRF test result detected the Cl, the part is doubted to be PVC containing phthalate
- Polymer with elasticity and flexibility
- Kind of foreseeable skin-contact materials such as case, cable, rubber.
- Component / materials known to contain materials of high concern

2. Phthalates are materials that help to increase elasticity and flexibility when processing plastics.
3. For maintaining product quality, the comparison and verification are required between analytical test reports and risk assessment if possible

Appendix IV
Phthalates risk evaluation

No.	XRF Data CI	Possibility of containing phthalate	Evalution	Result	No.	XRF Data CI	Possibility of containing phthalate	Evalution	Result
1.1	BL	Low Risk	Type E	Pass	1.19	BL	Low Risk	Type E	Pass
1.2	BL	Low Risk	Type E	Pass	1.20	BL	Low Risk	Type E	Pass
1.3	BL	Low Risk	Type E	Pass	1.21	BL	Low Risk	Type E	Pass
1.4	BL	High Risk	Type G	Pass	1.22	BL	Low Risk	Type E	Pass
1.5	BL	Low Risk	Type E	Pass	1.23	BL	Low Risk	Type E	Pass
1.6	N.A.	N.A.	N.A.	Pass	1.24	N.A.	N.A.	N.A.	Pass
1.7	BL	Low Risk	Type E	Pass	1.25	BL	Low Risk	Type E	Pass
1.8	BL	Low Risk	Type E	Pass	1.26	BL	Low Risk	Type E	Pass
1.9	BL	Low Risk	Type E	Pass	1.27	BL	Low Risk	Type E	Pass
1.10	BL	Low Risk	Type E	Pass	1.28	BL	Low Risk	Type E	Pass
1.11	BL	Low Risk	Type E	Pass	1.29	BL	Low Risk	Type E	Pass
1.12	BL	Low Risk	Type E	Pass	1.30	BL	Low Risk	Type E	Pass
1.13	BL	Low Risk	Type E	Pass	1.31	BL	Low Risk	Type E	Pass
1.14	BL	Low Risk	Type E	Pass	1.32	BL	Low Risk	Type E	Pass
1.15	BL	Low Risk	Type E	Pass	1.33	BL	Low Risk	Type E	Pass
1.16	BL	Low Risk	Type E	Pass	1.34	BL	Low Risk	Type E	Pass
1.17	BL	Low Risk	Type E	Pass	1.35	BL	Low Risk	Type E	Pass
1.18	BL	Low Risk	Type E	Pass	1.36	BL	Low Risk	Type E	Pass

Appendix IV
Phthalates risk evaluation

No.	XRF Data CI	Possibility of containing phthalate	Evalution	Result	No.	XRF Data CI	Possibility of containing phthalate	Evalution	Result
1.37	BL	Low Risk	Type E	Pass	2.3	BL	Low Risk	Type E	Pass
1.38	N.A.	N.A.	N.A.	Pass	2.4	N.A.	N.A.	N.A.	Pass
1.39	BL	Low Risk	Type E	Pass	2.5	BL	Low Risk	Type E	Pass
1.40	N.A.	N.A.	N.A.	Pass	2.6	BL	Low Risk	Type E	Pass
1.41	BL	Low Risk	Type E	Pass	2.7	BL	Low Risk	Type E	Pass
1.42	BL	Low Risk	Type E	Pass	2.8	BL	Low Risk	Type E	Pass
1.43	BL	Low Risk	Type E	Pass	2.9	BL	Low Risk	Type E	Pass
1.44	N.A.	N.A.	N.A.	Pass	2.10	BL	Low Risk	Type E	Pass
1.45	BL	Low Risk	Type E	Pass	2.11	BL	Low Risk	Type E	Pass
1.46	N.A.	N.A.	N.A.	Pass	2.12	BL	Medium Risk	Type F	Pass
1.47	BL	Low Risk	Type E	Pass	3.1	BL	Low Risk	Type E	Pass
1.48	BL	Medium Risk	Type F	Pass	3.2	BL	Medium Risk	Type F	Pass
1.49	N.A.	N.A.	N.A.	Pass	3.3	BL	Low Risk	Type E	Pass
1.50	BL	Low Risk	Type E	Pass	4.1	BL	High Risk	Type G	Pass
1.51	N.A.	N.A.	N.A.	Pass	4.2	N.A.	N.A.	N.A.	Pass
1.52	BL	Low Risk	Type E	Pass	4.3	BL	Low Risk	Type E	Pass
2.1	N.A.	N.A.	N.A.	Pass	4.4	N.A.	N.A.	N.A.	Pass
2.2	BL	Low Risk	Type E	Pass	4.5	N.A.	N.A.	N.A.	Pass

Appendix IV

Phthalates risk evaluation

No.	XRF Data CI	Possibility of containing phthalate	Evalution	Result	No.	XRF Data CI	Possibility of containing phthalate	Evalution	Result
4.6	BL	Low Risk	Type E	Pass	4.24	BL	Low Risk	Type E	Pass
4.7	Detected	High Risk	Type G	Pass	4.25	BL	Low Risk	Type E	Pass
4.8	Detected	High Risk	Type G	Pass	4.26	N.A.	N.A.	N.A.	Pass
4.9	BL	Low Risk	Type E	Pass	4.27	BL	Low Risk	Type E	Pass
4.10	N.A.	N.A.	N.A.	Pass	4.28	BL	Low Risk	Type E	Pass
4.11	Detected	High Risk	Type G	Pass	4.29	BL	Low Risk	Type E	Pass
4.12	N.A.	N.A.	N.A.	Pass	4.30	BL	Low Risk	Type E	Pass
4.13	BL	Low Risk	Type E	Pass	4.31	BL	Low Risk	Type E	Pass
4.14	BL	High Risk	Type G	Pass	4.32	BL	Low Risk	Type E	Pass
4.15	N.A.	N.A.	N.A.	Pass	4.33	BL	Low Risk	Type E	Pass
4.16	N.A.	N.A.	N.A.	Pass	4.34	N.A.	N.A.	N.A.	Pass
4.17	BL	Low Risk	Type E	Pass	4.35	BL	Low Risk	Type E	Pass
4.18	BL	High Risk	Type G	Pass	4.36	BL	Low Risk	Type E	Pass
4.19	BL	Low Risk	Type E	Pass	4.37	BL	Low Risk	Type E	Pass
4.20	BL	High Risk	Type G	Pass	4.38	BL	Low Risk	Type E	Pass
4.21	BL	Low Risk	Type E	Pass	4.39	BL	Low Risk	Type E	Pass
4.22	BL	Low Risk	Type E	Pass	4.40	BL	Low Risk	Type E	Pass
4.23	N.A.	N.A.	N.A.	Pass	4.41	BL	Medium Risk	Type F	Pass

Appendix IV

Phthalates risk evaluation

No.	XRF Data CI	Possibility of containing phthalate	Evalution	Result	No.	XRF Data CI	Possibility of containing phthalate	Evalution	Result
4.42	N.A.	N.A.	N.A.	Pass	7.4	BL	Low Risk	Type E	Pass
4.43	BL	High Risk	Type G	Pass	7.5	Detected	High Risk	Type G	Pass
4.44	BL	Low Risk	Type E	Pass	7.6	BL	Low Risk	Type E	Pass
4.45	Detected	High Risk	Type G	Pass	7.7	N.A.	N.A.	N.A.	Pass
4.46	N.A.	N.A.	N.A.	Pass	7.8	N.A.	N.A.	N.A.	Pass
4.47	BL	High Risk	Type G	Pass	7.9	Detected	High Risk	Type G	Pass
5.1	BL	High Risk	Type G	Pass	7.10	Detected	High Risk	Type G	Pass
5.2	Detected	High Risk	Type G	Pass	7.11	BL	High Risk	Type G	Pass
5.3	BL	Low Risk	Type E	Pass	7.12	BL	High Risk	Type G	Pass
6.1	N.A.	N.A.	N.A.	Pass	7.13	BL	High Risk	Type G	Pass
6.2	BL	Low Risk	Type E	Pass	7.14	BL	High Risk	Type G	Pass
6.3	Detected	High Risk	Type G	Pass	7.15	BL	High Risk	Type G	Pass
6.4	Detected	High Risk	Type G	Pass	7.16	BL	High Risk	Type G	Pass
6.5	Detected	High Risk	Type G	Pass	7.17	BL	High Risk	Type G	Pass
6.6	Detected	High Risk	Type G	Pass	7.18	BL	High Risk	Type G	Pass
7.1	N.A.	N.A.	N.A.	Pass	7.19	BL	High Risk	Type G	Pass
7.2	BL	Low Risk	Type E	Pass	7.20	BL	High Risk	Type G	Pass
7.3	BL	Low Risk	Type E	Pass	8.1	BL	High Risk	Type G	Pass

Appendix IV

Phthalates risk evaluation

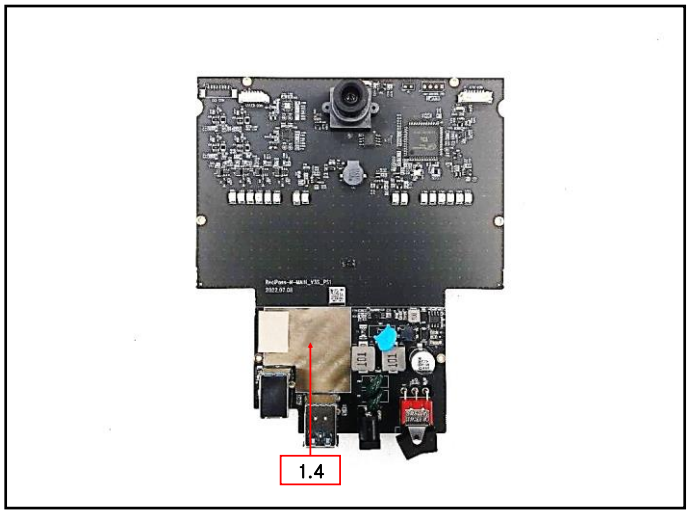
No.	XRF Data CI	Possibility of containing phthalate	Evalution	Result	No.	XRF Data CI	Possibility of containing phthalate	Evalution	Result
8.2	BL	High Risk	Type G	Pass	8.20	N.A.	N.A.	N.A.	Pass
8.3	BL	High Risk	Type G	Pass	8.21	BL	High Risk	Type G	Pas s
8.4	BL	Low Risk	Type E	Pass	8.22	BL	High Risk	Type G	Pass
8.5	BL	Low Risk	Type E	Pass	8.23	BL	High Risk	Type G	Pass
8.6	BL	Low Risk	Type E	Pass	9.1	BL	Low Risk	Type E	Pass
8.7	BL	Low Risk	Type E	Pass	9.2	N.A.	N.A.	N.A.	Pass
8.8	BL	Low Risk	Type E	Pass	9.3	N.A.	N.A.	N.A.	Pass
8.9	BL	Low Risk	Type E	Pass	9.4	N.A.	N.A.	N.A.	Pass
8.10	BL	Low Risk	Type E	Pass	9.5	N.A.	N.A.	N.A.	Pass
8.11	BL	Low Risk	Type E	Pass	9.6	N.A.	N.A.	N.A.	Pass
8.12	N.A.	N.A.	N.A.	Pass	9.7	N.A.	N.A.	N.A.	Pass
8.13	BL	High Risk	Type G	Pass	9.8	N.A.	N.A.	N.A.	Pass
8.14	N.A.	N.A.	N.A.	Pass	9.9	N.A.	N.A.	N.A.	Pass
8.15	N.A.	N.A.	N.A.	Pass	9.10	N.A.	N.A.	N.A.	Pass
8.16	Detected	High Risk	Type G	Pass					
8.17	N.A.	N.A.	N.A.	Pass					
8.18	N.A.	N.A.	N.A.	Pass					
8.19	N.A.	N.A.	N.A.	Pass					

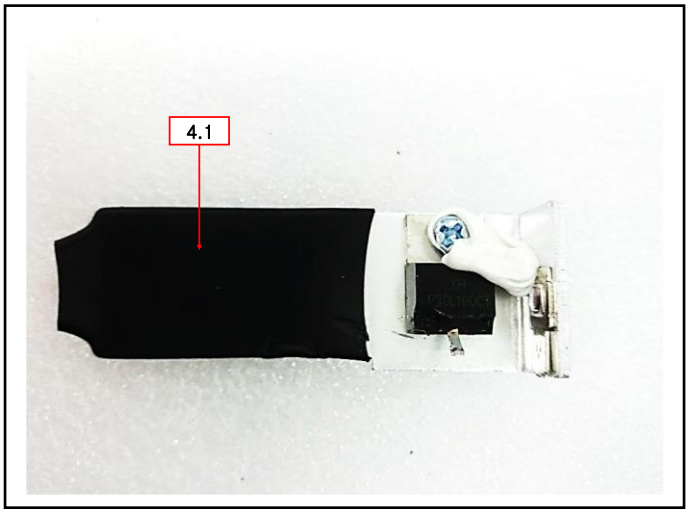
Appendix V

Phthalates Chemical test result

No.	Part name	Chemical analysis data (mg/kg)				Evaluation	Result
		DEHP	BBP	DBP	DIBP		
1.4	TAPE-EMI	N.D.	N.D.	N.D.	N.D.	Type G Chemical test	Pass
4.1	Black Sheet	N.D.	N.D.	N.D.	N.D.		Pass

▶MDL in phthalate : 50 mg/kg



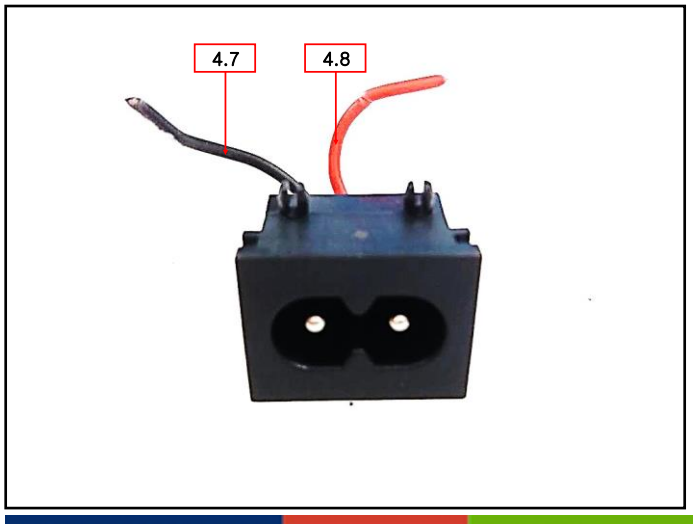


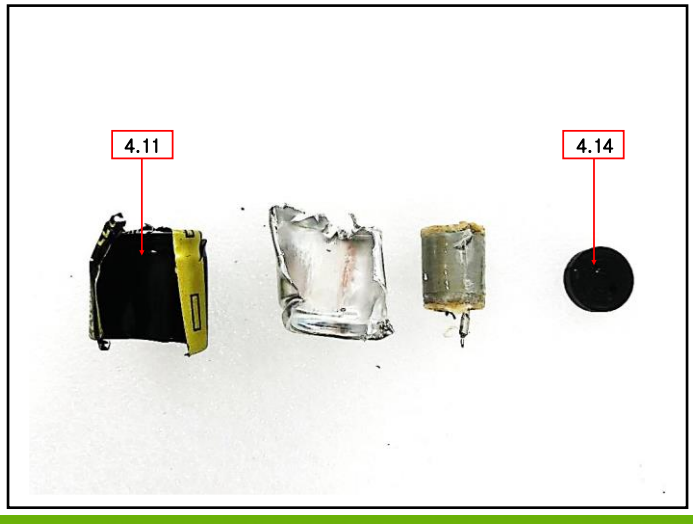
Appendix V

Phthalates Chemical test result

No.	Part name	Chemical analysis data (mg/kg)				Evaluation	Result
		DEHP	BBP	DBP	DIBP		
4.7	Cable	N.D.	N.D.	N.D.	N.D.	Type G Chemical test	Pass
4.8		N.D.	N.D.	N.D.	N.D.		Pass
4.11	Capacitor Film	N.D.	N.D.	N.D.	N.D.		Pass
4.14	Capacitor Rubber	N.D.	N.D.	N.D.	N.D.		Pass

▶MDL in phthalate : 50 mg/kg



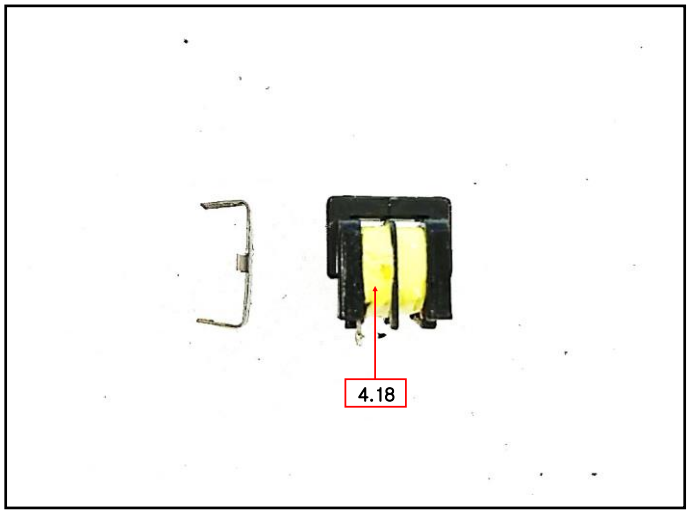


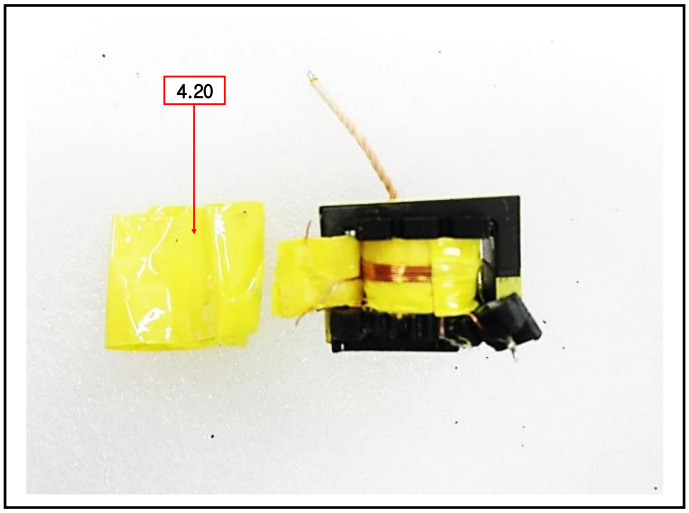
Appendix V

Phthalates Chemical test result

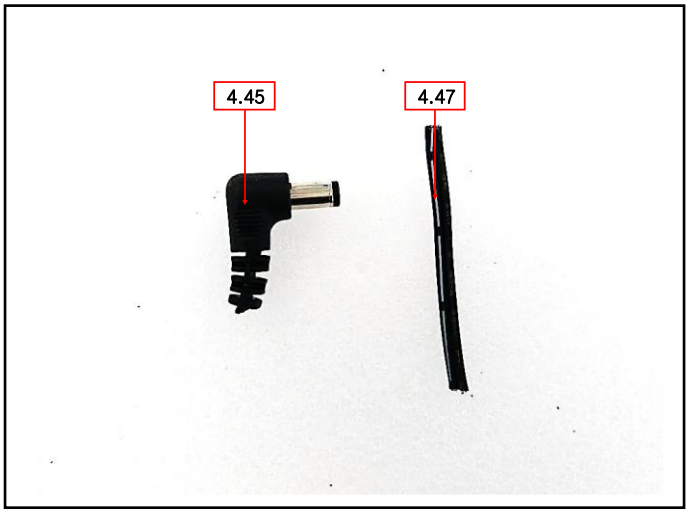
No.	Part name	Chemical analysis data (mg/kg)				Evaluation	Result
		DEHP	BBP	DBP	DIBP		
4.18	Yellow Tape	N.D.	N.D.	N.D.	N.D.	Type G Chemical test	Pass
4.20	Yellow Tape	N.D.	N.D.	N.D.	N.D.		Pass
4.43	ADAPTER Case	N.D.	N.D.	N.D.	N.D.		Pass
4.45	ADAPTER_Cable molding	N.D.	N.D.	N.D.	N.D.		Pass
4.47	ADAPTER_Cable	N.D.	N.D.	N.D.	N.D.		Pass

▶MDL in phthalate : 50 mg/kg







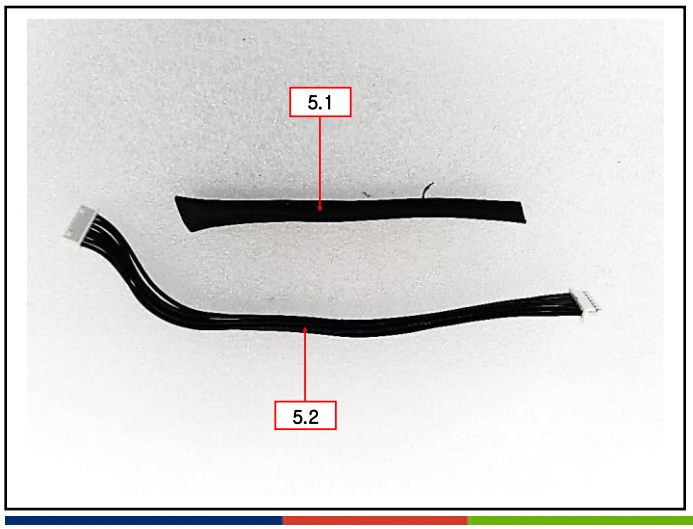


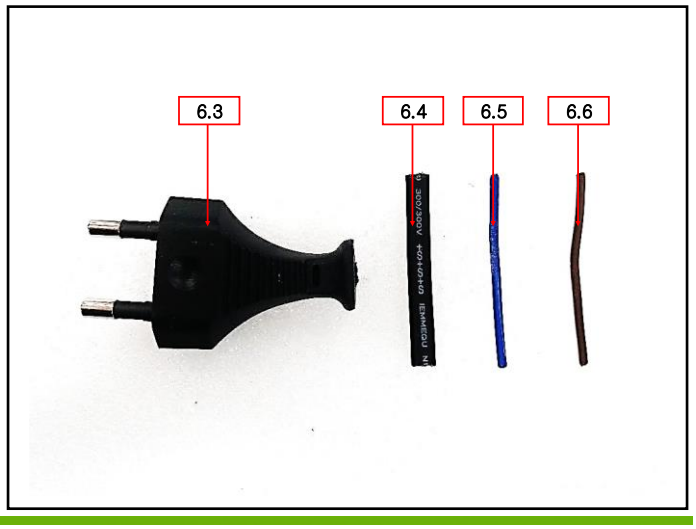
Appendix V

Phthalates Chemical test result

No.	Part name	Chemical analysis data (mg/kg)				Evaluation	Result
		DEHP	BBP	DBP	DIBP		
5.1	Shrinkable Tube	N.D.	N.D.	N.D.	N.D.	Type G Chemical test	Pass
5.2	Cable	N.D.	N.D.	N.D.	N.D.		Pass
6.3	Power Cable	N.D.	N.D.	N.D.	N.D.		Pass
6.4		N.D.	N.D.	N.D.	N.D.		Pass
6.5		N.D.	N.D.	N.D.	N.D.		Pass
6.6		N.D.	N.D.	N.D.	N.D.		Pass

▶MDL in phthalate : 50 mg/kg



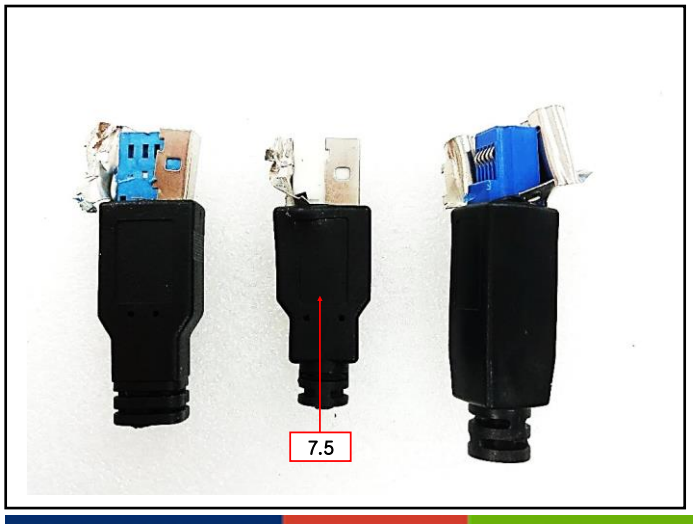


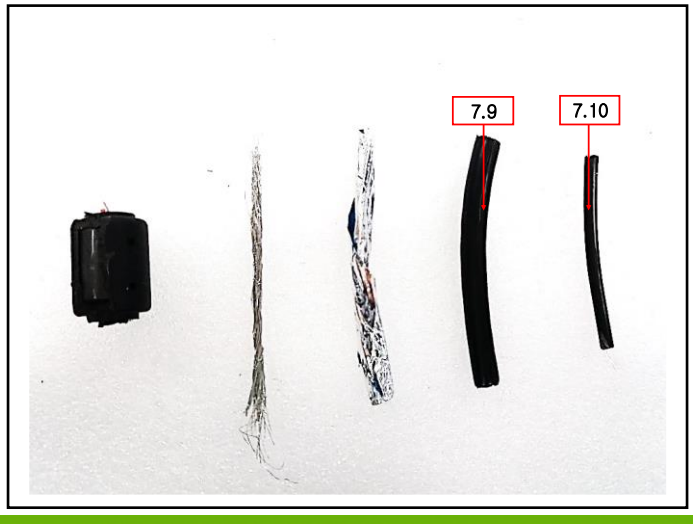
Appendix V

Phthalates Chemical test result

No.	Part name	Chemical analysis data (mg/kg)				Evaluation	Result
		DEHP	BBP	DBP	DIBP		
7.5	USB Cable_Molding	137	N.D.	N.D.	N.D.	Type G Chemical test	Pass
7.9	USB Cable	N.D.	N.D.	N.D.	N.D.		Pass
7.10		N.D.	N.D.	N.D.	N.D.		Pass

▶MDL in phthalate : 50 mg/kg



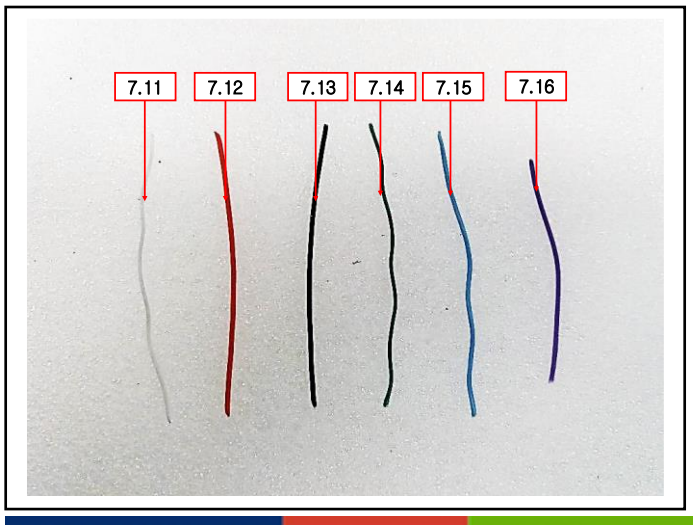


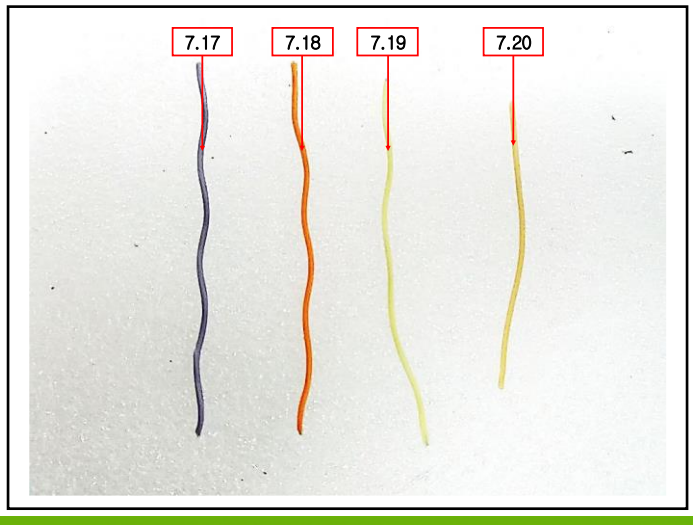
Appendix V

Phthalates Chemical test result

No.	Part name	Chemical analysis data (mg/kg)				Evaluation	Result
		DEHP	BBP	DBP	DIBP		
7.11	USB Cable	N.D.	N.D.	N.D.	N.D.	Type G Chemical test	Pass
7.12		N.D.	N.D.	N.D.	N.D.		Pass
7.13		N.D.	N.D.	N.D.	N.D.		Pass
7.14		N.D.	N.D.	N.D.	N.D.		Pass
7.15		N.D.	N.D.	N.D.	N.D.		Pass
7.16		N.D.	N.D.	N.D.	N.D.		Pass
7.17		N.D.	N.D.	N.D.	N.D.		Pass
7.18		N.D.	N.D.	N.D.	N.D.		Pass
7.19		N.D.	N.D.	N.D.	N.D.		Pass
7.20		N.D.	N.D.	N.D.	N.D.		Pass

▶MDL in phthalate : 50 mg/kg



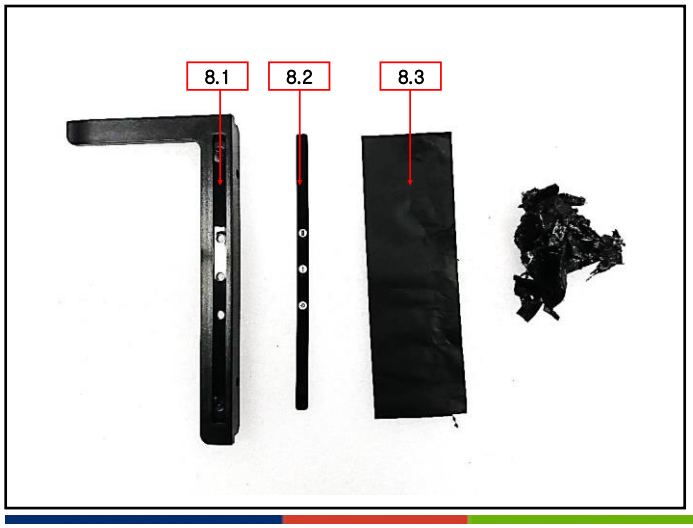


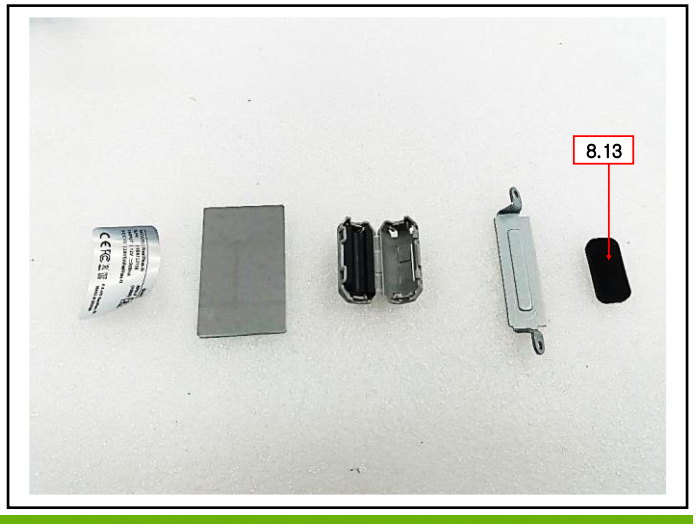
Appendix V

Phthalates Chemical test result

No.	Part name	Chemical analysis data (mg/kg)				Evaluation	Result
		DEHP	BBP	DBP	DIBP		
8.1	Passport guide	N.D.	N.D.	N.D.	N.D.	Type G Chemical test	Pass
8.2	Passport guide sheet	N.D.	N.D.	N.D.	N.D.		Pass
8.3	Ant cushion tape	N.D.	N.D.	N.D.	N.D.		Pass
8.13	Rubber foot	N.D.	N.D.	N.D.	N.D.		Pass

▶MDL in phthalate : 50 mg/kg



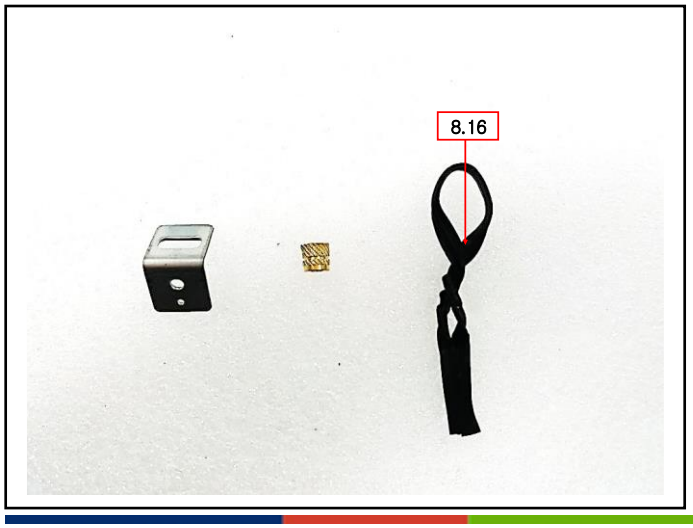


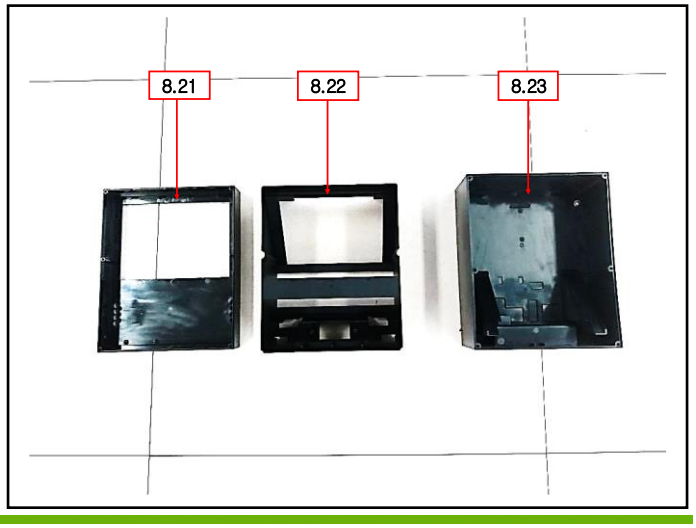
Appendix V

Phthalates Chemical test result

No.	Part name	Chemical analysis data (mg/kg)				Evaluation	Result
		DEHP	BBP	DBP	DIBP		
8.16	Cable Tie	N.D.	N.D.	N.D.	N.D.	Type G Chemical test	Pass
8.21	Case top	N.D.	N.D.	N.D.	N.D.		Pass
8.22	Inner Bracket	N.D.	N.D.	N.D.	N.D.		Pass
8.23	Case bottom	N.D.	N.D.	N.D.	N.D.		Pass

▶MDL in phthalate : 50 mg/kg





Appendix V
Phthalates Chemical test result

1. Chemical test results are obtained by GC/MS in regulated substances according to IEC 62321-8:2017.

2. Phthalates are materials that help to increase elasticity and flexibility when processing plastics.
Especially, PVC(Polyvinyl chloride) material is likely to contain phthalate.

- If the XRF test result detected the Cl, the part is doubted to be PVC containing phthalate
- There is at least a few percent of Cl in the PVC material
Therefore, XRF screen test results were recorded 'Detected' only at detection of at least 1 %.
- Other components/materials, including plastics, were evaluated according to a risk assessment of the possibility of containing phthalates.
- The following materials are not likely to contain phthalates.
Metal (Copper alloy, Steel alloy, Aluminum alloy etc), Ceramic, Glass, Paper, Wood

3. Abbreviation :

DEHP = Bis(2-ethylhexyl)phthalate
BBP = Butyl benzyl phthalate
DBP = Dibutyl phthalate
DIBP = Diisobutyl phthalate
N.A. = Not Applicable
N.D. = Not Detected
BL = Below limit
Detected = Cl > 1%
Cl = Clorine

4. The type of comprehension

Type E	It was evaluated no exist or remarkable low risk of the possibility for containing phthalates. Applied parts/materials were not required the corrective action
Type F	It was evaluated maybe of the possibility of containing phthalates. Applied parts/materials were confirmed absence phthalates through technical document
Type G	It was evaluated high risk of the possibility of containing phthalates. Applied parts/materials were tested by chemical analysis

Appendix VI

Reference document

1. Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

2. Directive 2015/863/EU of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances.

3. IEC 63000:2016
   Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.

4. IEC 62321-3-1:2013
   Determination of certain substances inelectrotechnical products - Part 3-1 : Screening - Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry.

5. IEC 62321-4:2013+AMD1:2017 CSV
   Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS.

6. IEC 62321-5:2013
   Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS.

7. IEC 62321-6:2015
   Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry(GC-MS).

8. IEC 62321-7-1:2015
   Determination of certain substances in electrotechnical products - Part 7-1 : Hexavalent chromium – Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion- protected coatings on metal by the colorimetric method.

9. IEC 62321-7-2:2017
   Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium – Determination of hexavalent chromium(Cr(VI)) in polymers and electronics by the colormetric method.

10. IEC 62321-8:2017
    Determination of certain substances in electrotechnical products - Part 8: Phthalates in polymers by gas chromatography-mass spectrometry(GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory(Py/TD-GC-MS).

11. IEC 62474:2018
    Material declaration for products of and for the electrotechnical industry.

12. IEC/TR 62476:2010
    Guidance for evaluation of products with respect to substance use restrictions in electrical and electronic products.

~~ THE END ~~