

Test Report

Report No. BCTC2001001076R

Date: Jan. 15, 2020

Applicant : Shanghai Fusheng Well Intelligent Control Technology Co., Ltd.

Address : 2nd Floor, 16th Building, No.481, Guiping Road, Xuhui District,
Shanghai, China

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client

Sample name : Fanless Embedded BOX PC

Testing type /model : WBOX-5601

Additional type /model : WBOX-5602、WBOX-5603、WBOX-2875-6C、WBOX-2875-LY、
WBOX-5701、WBOX-5702、WBOX-5681、WBOX-5683、WBOX-5685、
WBOX-5687

Manufacturer : Shanghai Fusheng Well Intelligent Control Technology Co., Ltd.

Address : 2nd Floor, 16th Building, No.481, Guiping Road, Xuhui District,
Shanghai, China

Sample received date : Jan. 07, 2020

Testing period : Jan. 07, 2020 - Jan. 15, 2020

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 samples.
3. As specified by client, to test the Di-isobutyl phthalate(DIBP),
Dibutyl phthalate(DBP), Benzyl butyl phthalate(BBP),
Bis(2-ethyl(hexyl) phthalate)(DEHP) in the submitted sample(s).

**According to the RoHS Directive 2011/65/EU and amendment Commission Delegated
Directive (EU) 2015/863**

*****For more detailed information, please refer to the next page*****

Tested by

Ace

Weicheng Zhang



Approved by

Saher Chen

Hanyao Chen

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Test Method:

A. Screening test by XRF spectroscopy

XRF screening limits in mg/kg for regulated elements according to IEC 62321-3-1:2013.

| Element | Screening limits of IEC 62321-3-1:2013. Unit (mg/kg) | | MDL | |
|---------|---|---|----------|----------------|
| | Polymers and metals | Composite material | Polymers | Other material |
| Pb | $BL \leq (700-3\sigma) < X < (1300+3\sigma)$ $\leq OL$ | $BL \leq (500-3\sigma) < X < (1500+3\sigma)$ $\leq OL$ | 10 mg/kg | 50 mg/kg |
| Cd | $BL \leq (70-3\sigma) < X < (130+3\sigma)$ $\leq OL$ | $LOD \leq (50-3\sigma) < X < (150+3\sigma)$ $\leq OL$ | 10 mg/kg | 50 mg/kg |
| Hg | $BL \leq (700-3\sigma) < X < (1300+3\sigma)$ $\leq OL$ | $BL \leq (500-3\sigma) < X < (1500+3\sigma)$ $\leq OL$ | 10 mg/kg | 50 mg/kg |
| Cr | $BL \leq (700-3\sigma) < X$ | $BL \leq (500-3\sigma) < X$ | 10 mg/kg | 50 mg/kg |
| Br | $BL \leq (300-3\sigma) < X$ | $BL \leq (250-3\sigma) < X$ | 10 mg/kg | 50 mg/kg |

Note:

-BL = Under the XRF 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

-"--" = Not regulated.

B. 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 | -- | 1000 mg/kg |
| | IEC 62321-7-2:2017 Ed.1.0 | | 8 mg/kg | 1000 mg/kg |
| Polybrominated Biphenyls (PBBs) | IEC 62321-6:2015 Ed.1.0 | HPLC-UV | 5 mg/kg | 1000 mg/kg |
| Polybrominated Diphenyl Ethers (PBDEs) | IEC 62321-6:2015 Ed.1.0 | HPLC-UV | 5 mg/kg | 1000 mg/kg |
| Phthalates | IEC 62321-8:2017 Ed.1.0 | GC-MS | 50 mg/kg | 1000 mg/kg |

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Test Result(s):

| Sample No. | Sample Description | Tested Items | XRF Screening Test Unit (mg/kg) | Chemical Test Unit (mg/kg) | Conclusion |
|------------|------------------------|----------------|---------------------------------|----------------------------|------------|
| 1 | Red LED | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 351 | N.D. | |
| 2 | Green LED | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 1525 | N.D. | |
| 3 | Black heat shrink tube | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 4 | Red wire jacket | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 5 | Black wire jacket | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 6 | Black plastic | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |

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| | | | | | |
|----|---------------------------|----------------|-------|------|------|
| 7 | Black plastic | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 8 | Blue plastic | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 81786 | N.D. | |
| 9 | Black plastic | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 10 | Black cloth tape | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 11 | Blue plastic (VGA) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 19528 | N.D. | |
| 12 | Black plastic (mesh port) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 46616 | N.D. | |
| 13 | Blue plastic (USB) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |

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| | | | | | |
|----|----------------------------|----------------|-------|------|------|
| 14 | Black plastic | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 27145 | N.D. | |
| 15 | Pink plastic (jack) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 44806 | N.D. | |
| 16 | Light green plastic (jack) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 45617 | N.D. | |
| 17 | Yellow plastic (terminal) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 39177 | N.D. | |
| 18 | Creamy-white plastic | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 85593 | N.D. | |
| 19 | Gray-black plastic | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 20 | Black plastic (buzzer) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 493 | N.D. | |

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| | | | | | |
|----|-------------------------------------|----------------|-------|------|------|
| 21 | Green plastic | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 1401 | N.D. | |
| 22 | Black plastic (USB) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 30364 | N.D. | |
| 23 | White plastic (USB) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 24 | Creamy-white plastic (terminal) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 25 | Creamy-white plastic (memory slot) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 26 | Black plastic (battery compartment) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 27 | Green PCB | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 26360 | N.D. | |

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| | | | | | |
|----|---------------------|----------------|----|---|------|
| 28 | Green PCB (chip) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 29 | Dark gray glue | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 30 | Tin solder | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 31 | IC | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 32 | SMD audion | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 33 | SMD capacitor | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 34 | SMD diode | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |

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| | | | | | |
|----|---------------------------|----------------|-------|------|------|
| 35 | SMD resistor | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 36 | Gray inductance | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 37 | Silver metal (power port) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 38 | Black plastic | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 19998 | N.D. | |
| 39 | Silver metal (VGA) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 40 | Silver metal screw | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 41 | White LED (mesh port) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |

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| | | | | | |
|----|-----------------------------|----------------|----|---|------|
| 42 | Yellow LED | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 43 | Silver metal (mesh port) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 44 | Silver metal | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 45 | Silver metal frame | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 46 | Gold metal pin | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 47 | Silver metal (jack) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 48 | Black plastic | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |

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| | | | | | |
|----|------------------------------|----------------|--------|----------|------|
| 49 | Silver metal rivet | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 50 | Gray plastic (SIM card slot) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 51 | Silver metal (SIM card slot) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | 117536 | Negative | |
| | | Br(PBBs&PBDEs) | / | / | |
| 52 | Silver metal pin (terminal) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 53 | Gold metal pin | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 54 | Black plastic | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | 34873 | N.D. | |
| 55 | IC | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |

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|----|--|----------------|--------|----------|------|
| 56 | Crystal | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 57 | Audion | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 58 | Silver metal (USB) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 59 | Silver metal | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 60 | Aluminum shell (Solid state capacitor) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 61 | Silver metal (memory slot) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 62 | Silver metal (battery compartment) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | 159685 | Negative | |
| | | Br(PBBs&PBDEs) | / | / | |

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| | | | | | |
|----|----------------------------|----------------|--------|----------|------|
| 63 | Silver metal (USB) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 64 | Silver metal (button) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | 170167 | Negative | |
| | | Br(PBBs&PBDEs) | / | / | |
| 65 | Silver metal nut | Pb | 9925 | 12985# | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 66 | Silver metal | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 67 | Copper metal | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 68 | White plastic | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | BL | / | |
| 69 | Silver metal screw (cross) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |

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|----|---------------------------------------|----------------|-------|----------|------|
| 70 | Silver metal screw (inner hexagon) | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | 24230 | Negative | |
| | | Br(PBBs&PBDEs) | / | / | |
| 71 | Black metal plate | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | 1267 | Negative | |
| | | Br(PBBs&PBDEs) | / | / | |
| 72 | Silver-white metal sheet | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | 1623 | Negative | |
| | | Br(PBBs&PBDEs) | / | / | |
| 73 | Silver metal screw | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 74 | Gold metal screw | Pb | 11540 | 21663# | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 75 | Silver metal shell | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | BL | / | |
| | | Br(PBBs&PBDEs) | / | / | |
| 76 | Silver metal plate cover | Pb | BL | / | PASS |
| | | Cd | BL | / | |
| | | Hg | BL | / | |
| | | Cr(Cr(VI)) | 1637 | Negative | |
| | | Br(PBBs&PBDEs) | / | / | |

Test Report

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| Tested Item(s) | Results | | | | | | |
|---|--------------|------|------|------|------|------|------|
| | Unit (mg/kg) | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Di-isobutyl phthalate(DIBP) CAS #:84-69-5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Dibutyl phthalate(DBP) CAS #:84-74-2 | N.D. | N.D. | N.D. | 625 | 558 | N.D. | N.D. |
| Benzylbutyl phthalate(BBP) CAS #:85-68-7 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Bis(2-ethyl(hexyl) phthalate)(DEHP) CAS #:117-81-7 | N.D. | N.D. | N.D. | 175 | 148 | N.D. | N.D. |

| Tested Item(s) | Results | | | | | | |
|---|--------------|------|------|------|------|------|------|
| | Unit (mg/kg) | | | | | | |
| | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Di-isobutyl phthalate(DIBP) CAS #:84-69-5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Dibutyl phthalate(DBP) CAS #:84-74-2 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Benzylbutyl phthalate(BBP) CAS #:85-68-7 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Bis(2-ethyl(hexyl) phthalate)(DEHP) CAS #:117-81-7 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |

| Tested Item(s) | Results | | | | | | |
|---|--------------|------|------|------|------|------|------|
| | Unit (mg/kg) | | | | | | |
| | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| Di-isobutyl phthalate(DIBP) CAS #:84-69-5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Dibutyl phthalate(DBP) CAS #:84-74-2 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Benzylbutyl phthalate(BBP) CAS #:85-68-7 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Bis(2-ethyl(hexyl) phthalate)(DEHP) CAS #:117-81-7 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |

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| Tested Item(s) | Results | | | | | | |
|---|--------------|------|------|------|------|------|------|
| | Unit (mg/kg) | | | | | | |
| | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| Di-isobutyl phthalate(DIBP) CAS #:84-69-5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Dibutyl phthalate(DBP) CAS #:84-74-2 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Benzylbutyl phthalate(BBP) CAS #:85-68-7 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| Bis(2-ethyl(hexyl) phthalate)(DEHP) CAS #:117-81-7 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |

Note:

-MDL = Method Detection Limit

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

-mg/kg = ppm = parts per million

-" / " = Not conducted.

-Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.1µg/cm² with 50cm² sample surface area used.

-Positive = Presence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is equal to or greater than 0.13µg/cm² with 50cm² sample surface area used.

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

Test Report

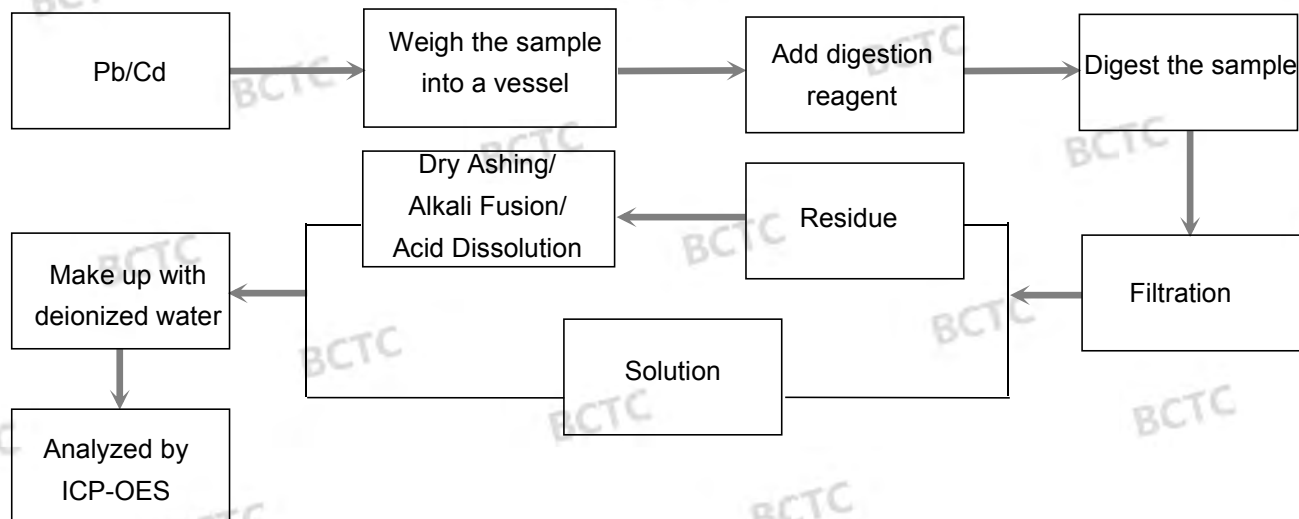
Report No. BCTC2001001076R

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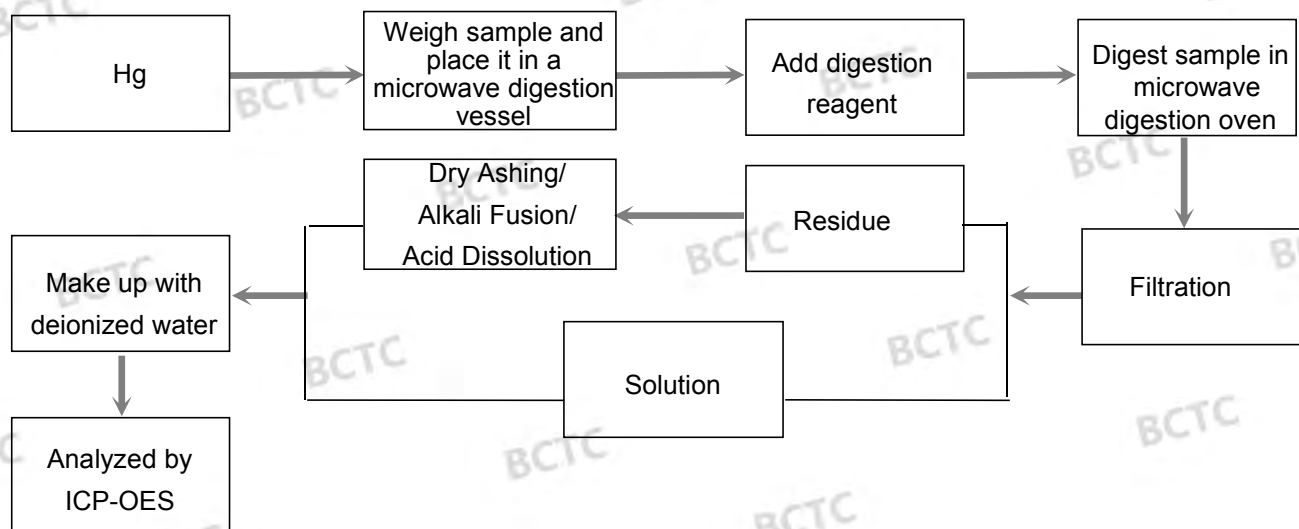
Test Process:

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

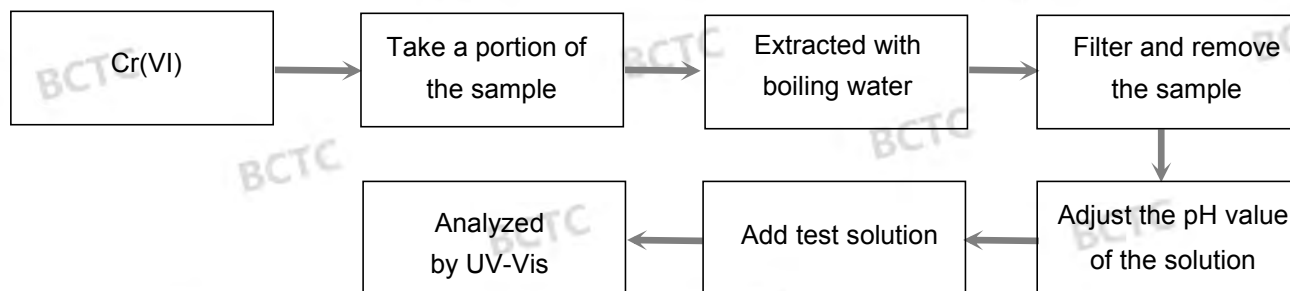


Test Report

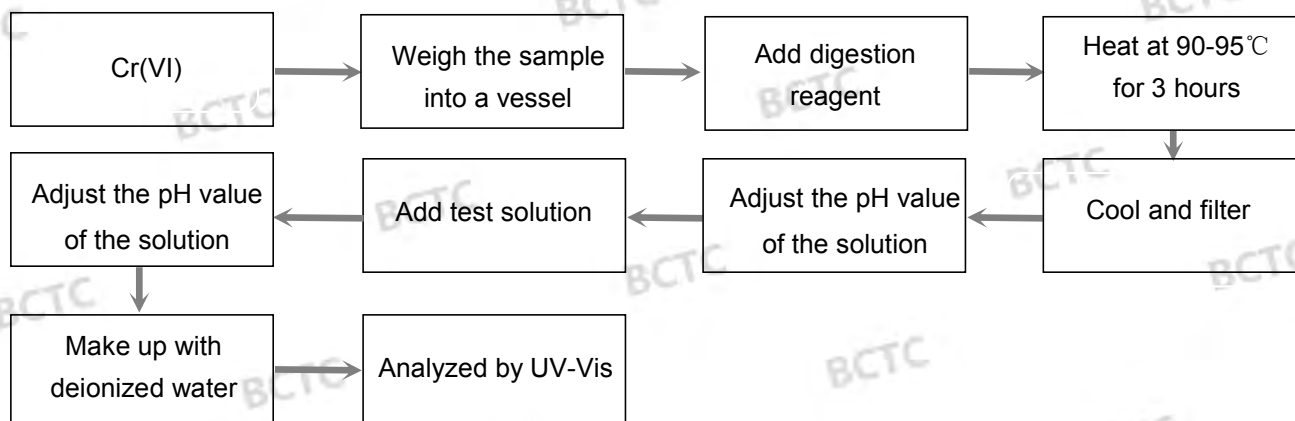
Report No. BCTC2001001076R

Date: Jan. 15, 2020

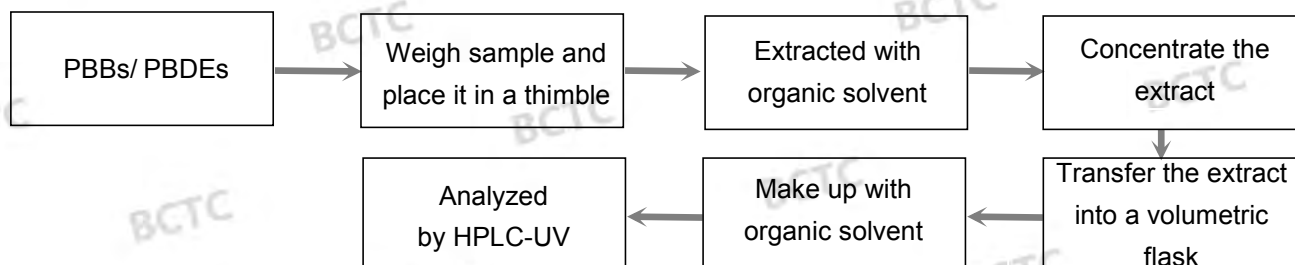
◆IEC 62321-7-1:2015 Ed.1.0



◆IEC 62321-7-2:2017 Ed.1.0



◆IEC 62321-6:2015 Ed.1.0

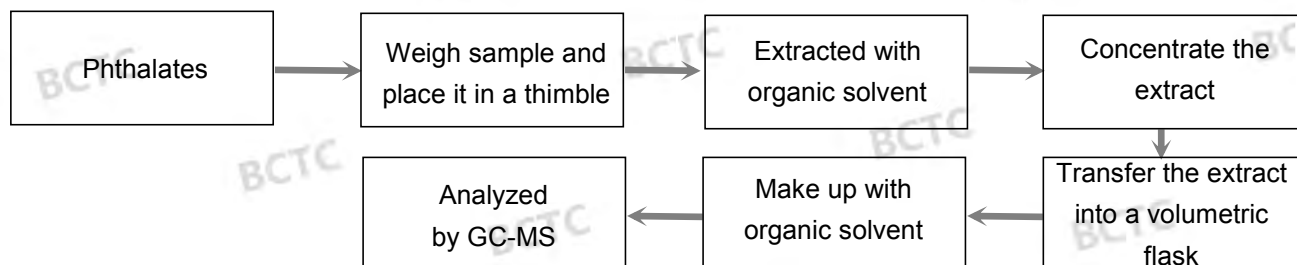


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◆IEC 62321-8:2017 Ed.1.0



Photograph of Sample



Fig.1

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Fig.2

Photo(s) of the tested component(s)

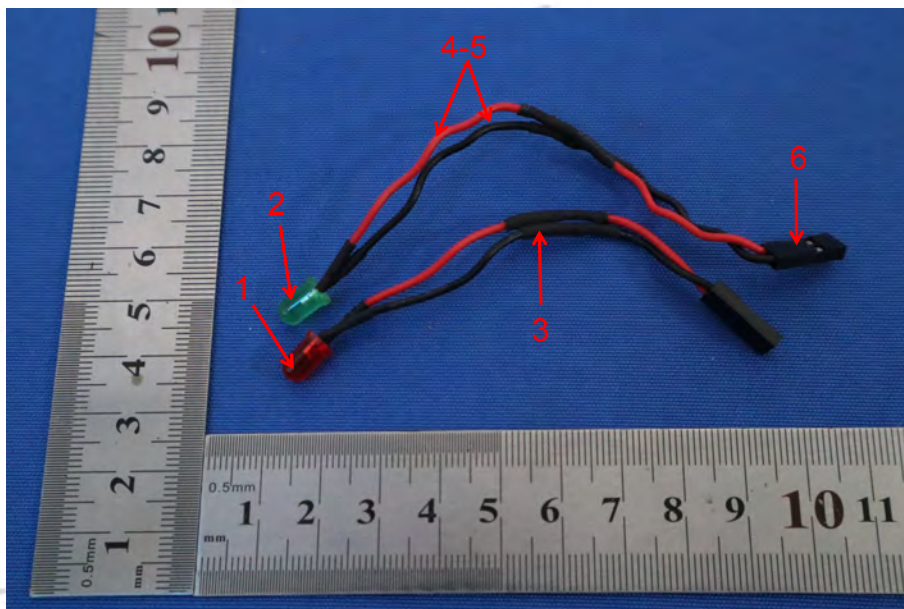


Fig.3



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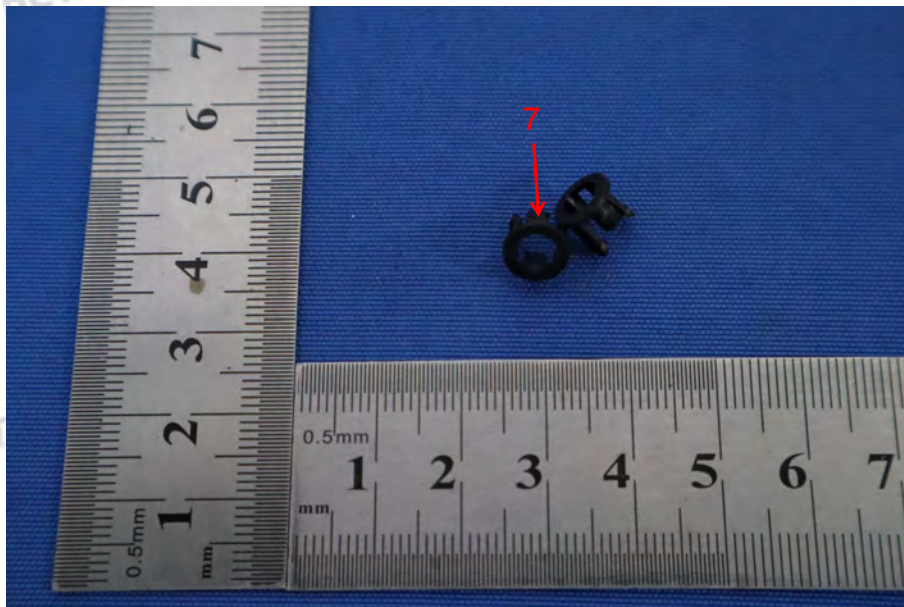


Fig.4

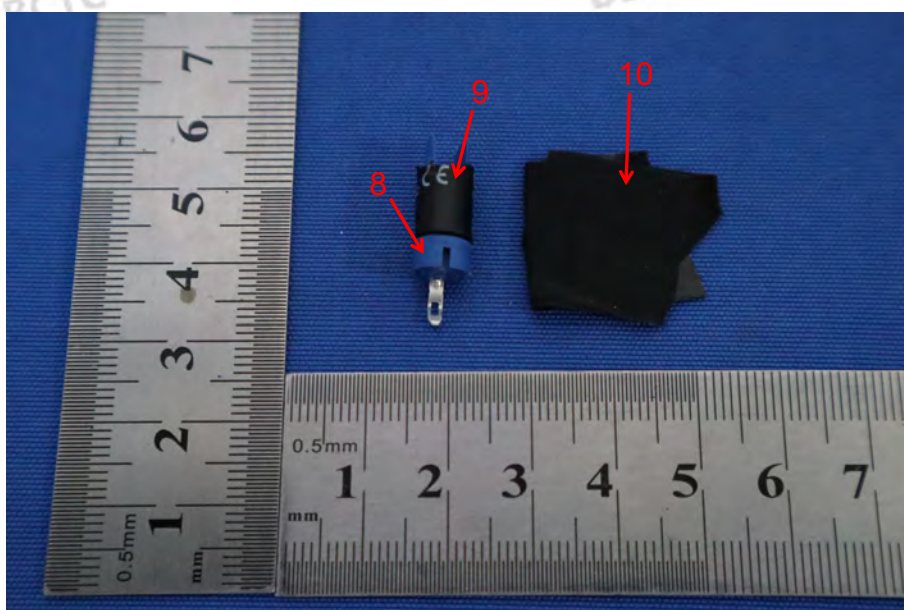


Fig.5

Test Report

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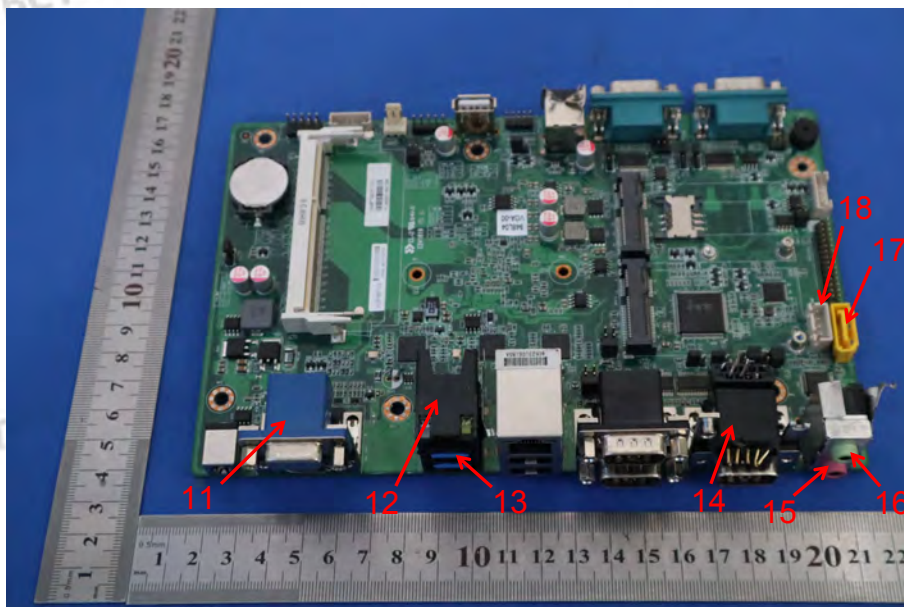


Fig.6

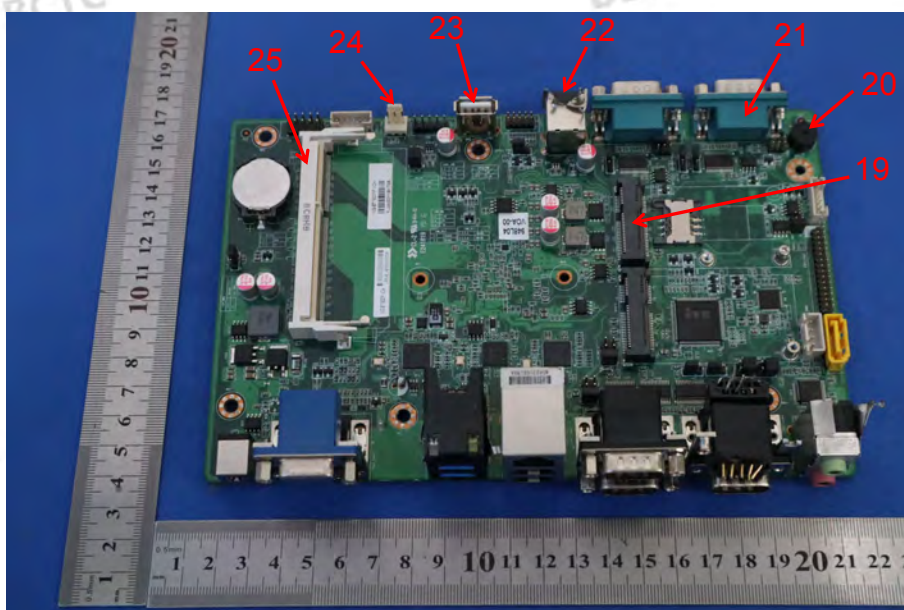


Fig.7

Test Report

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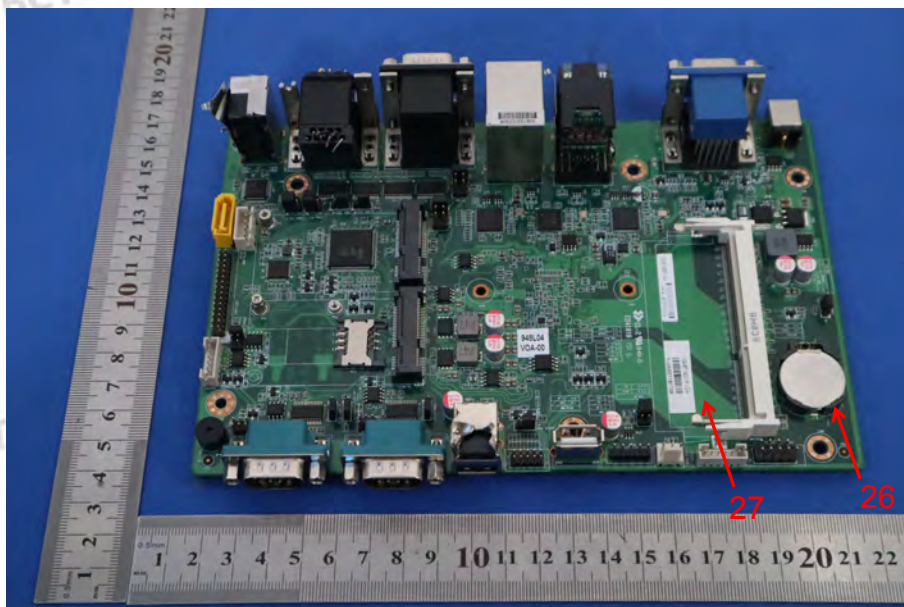


Fig.8

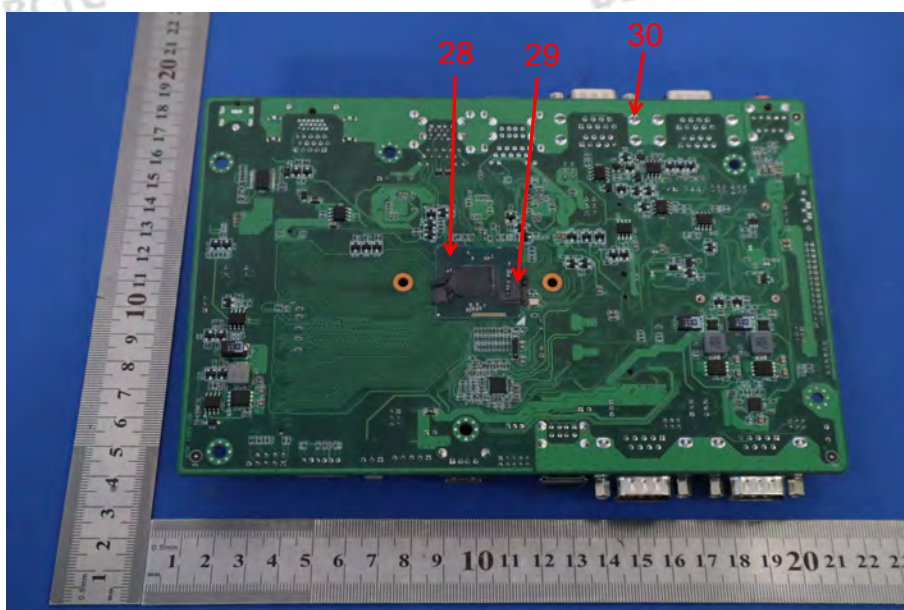


Fig.9

Test Report

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Date: Jan. 15, 2020

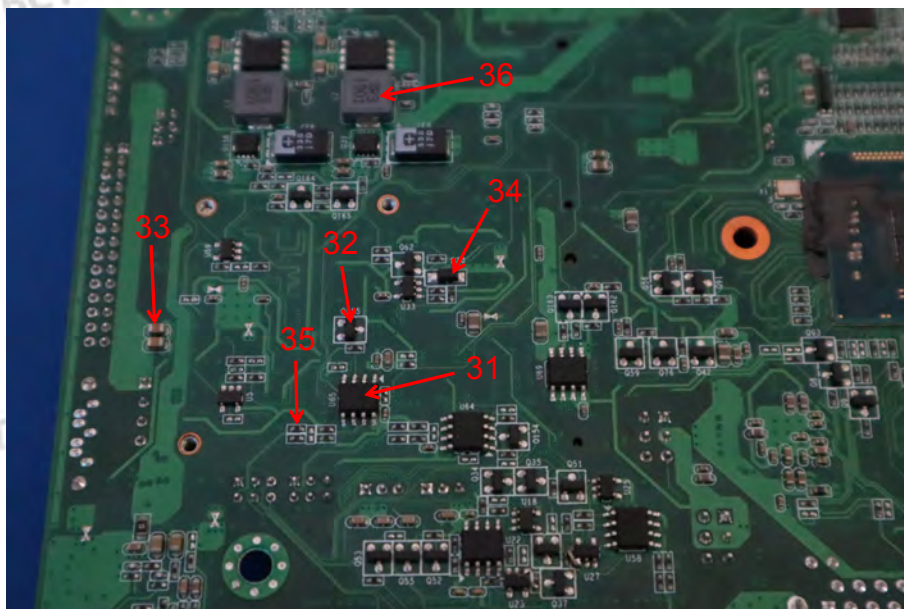


Fig.10

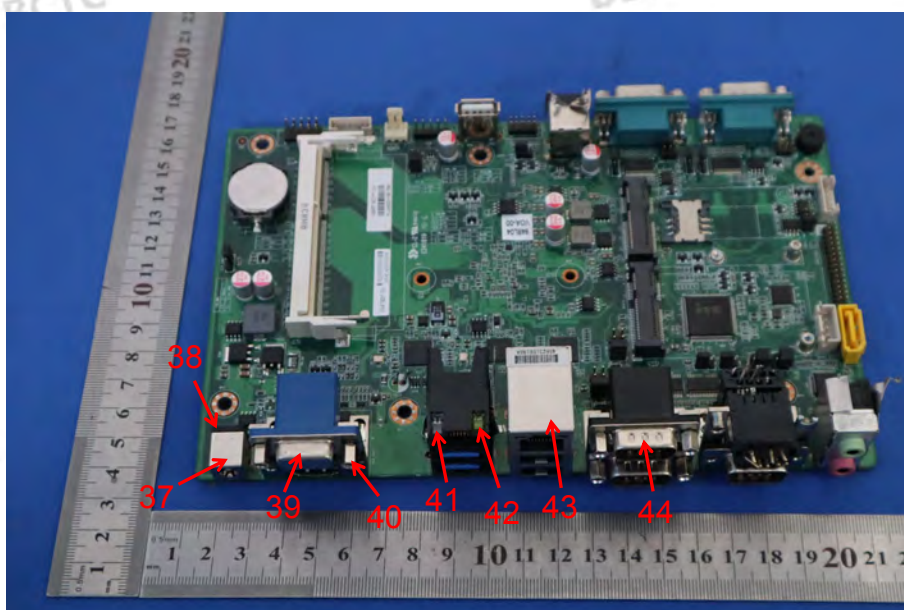


Fig.11

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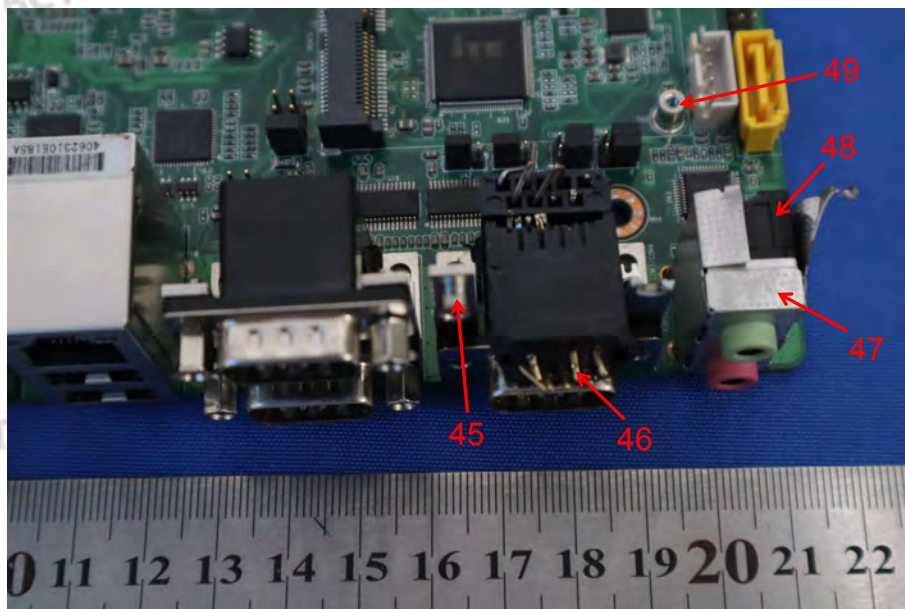


Fig.12

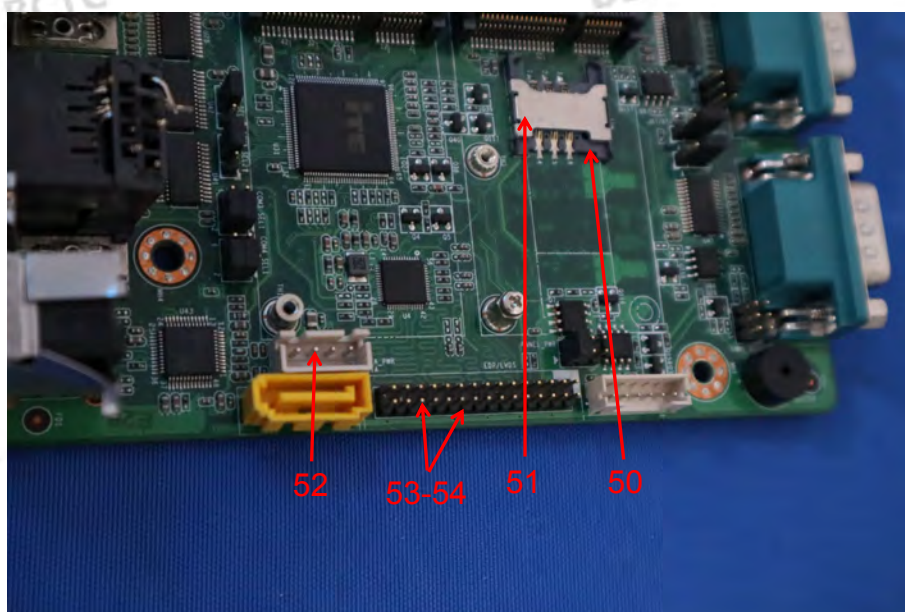


Fig.13

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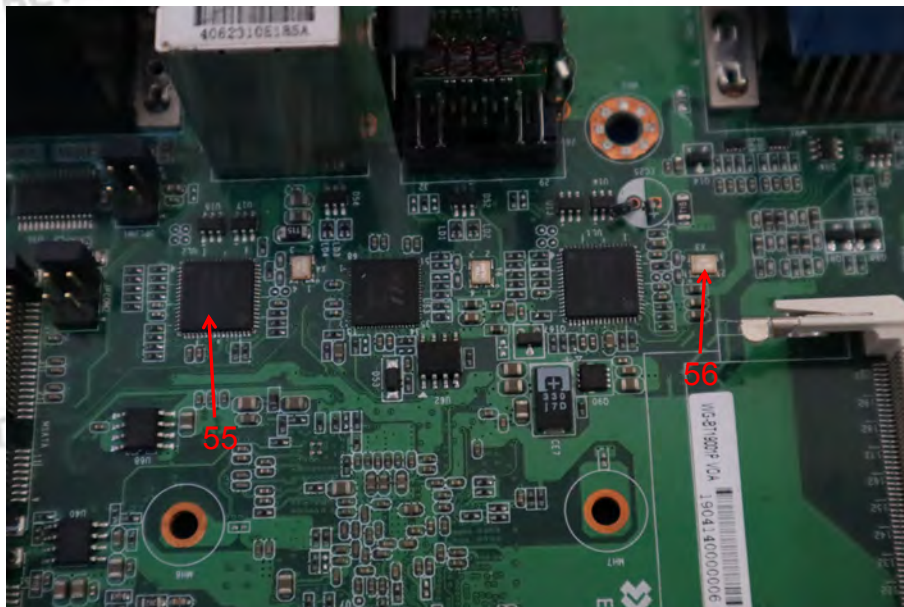


Fig.14

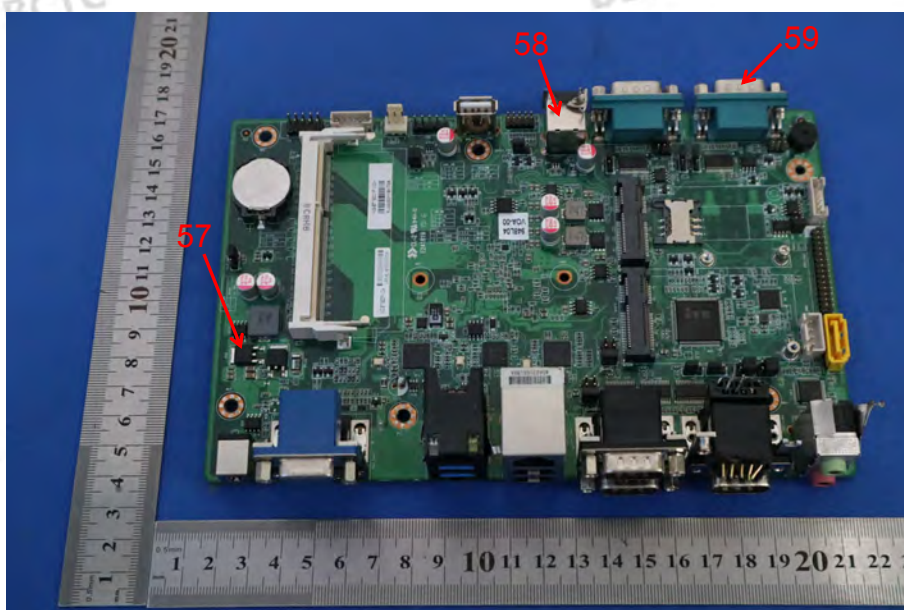


Fig.15



Test Report

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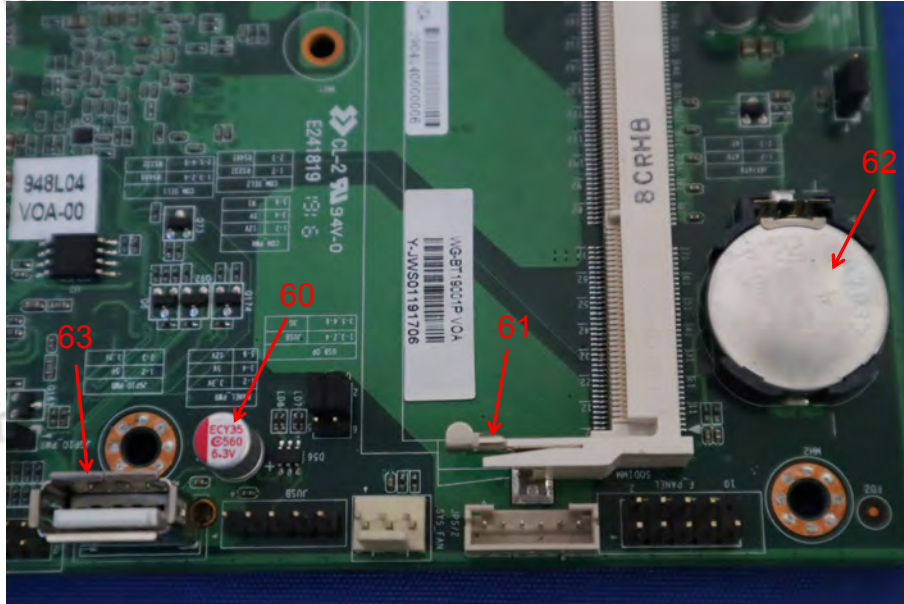


Fig.16

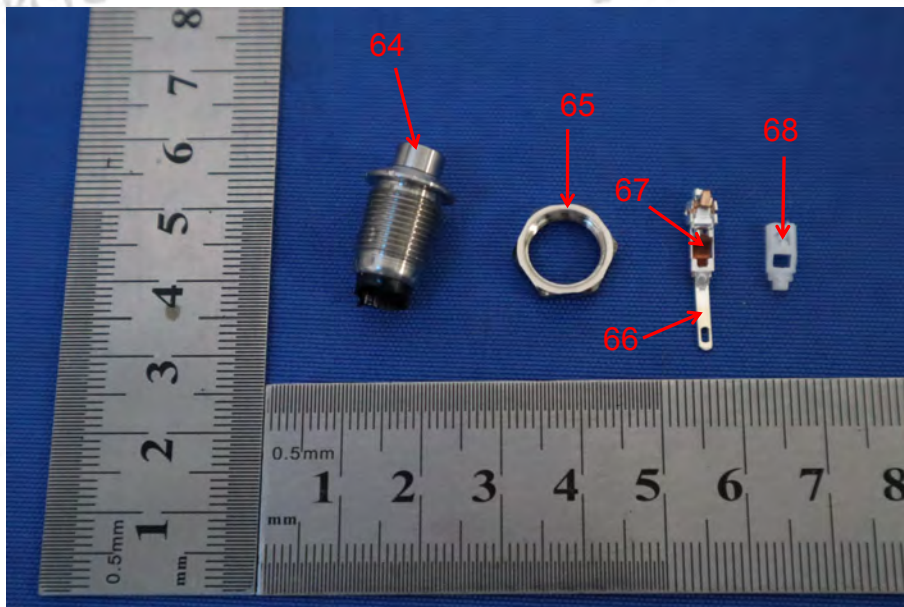


Fig.17

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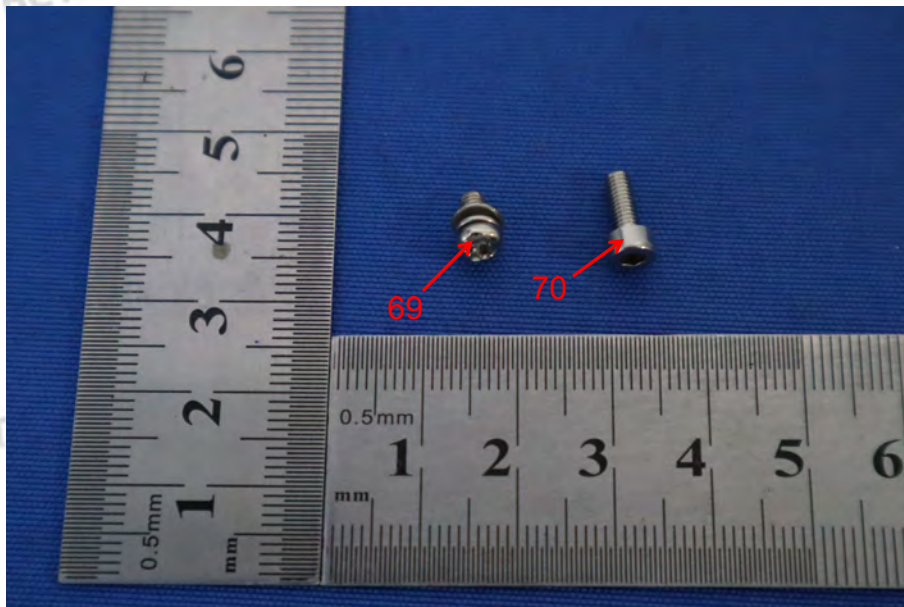


Fig.18

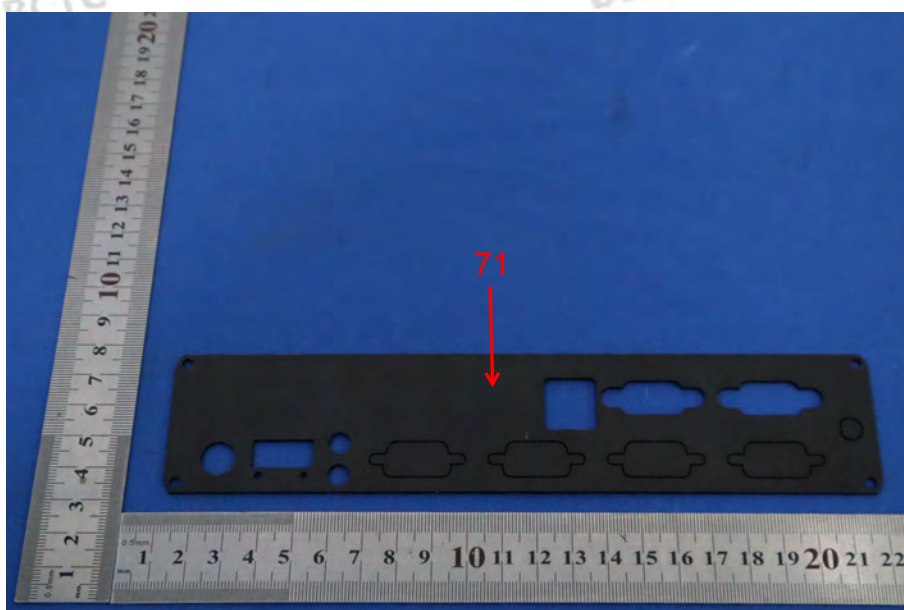


Fig.19

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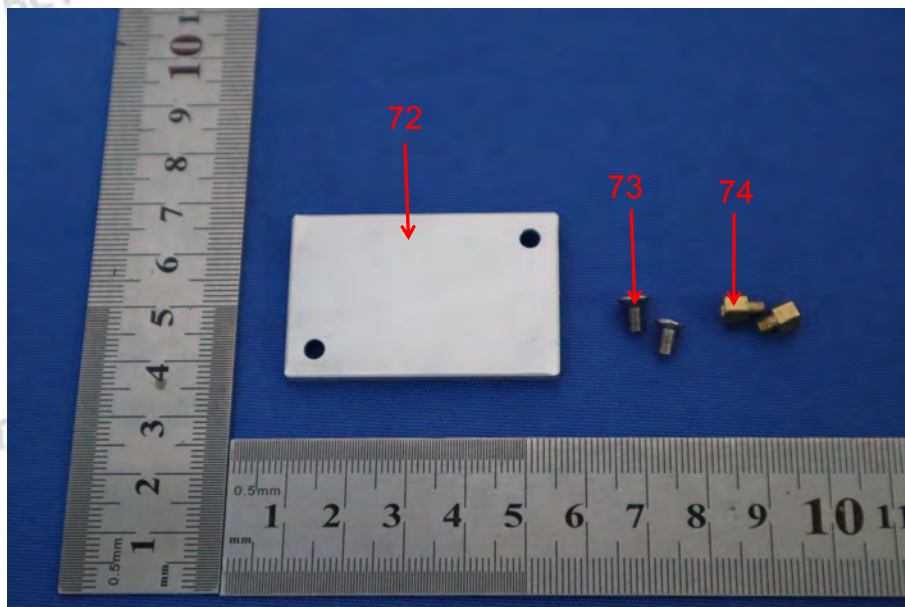


Fig.20

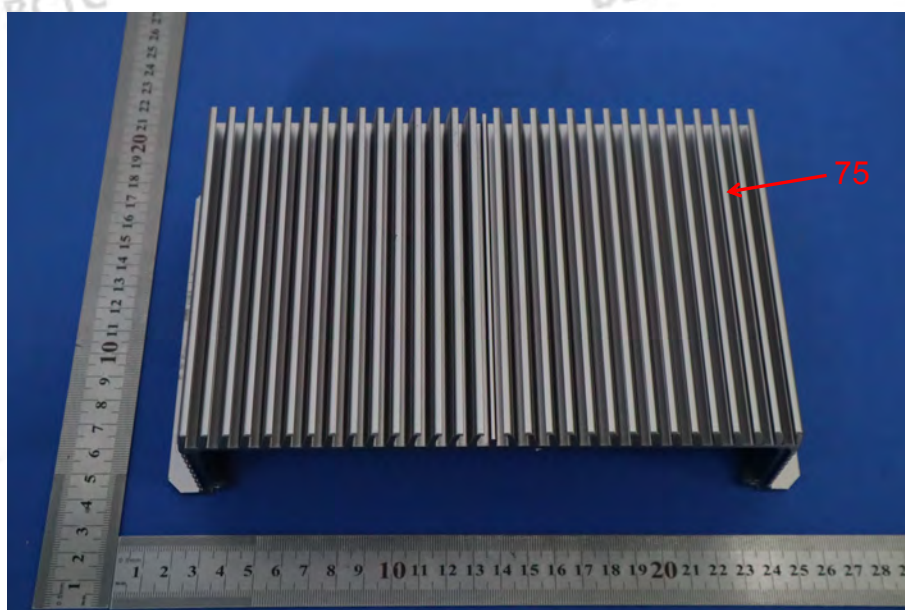


Fig.21



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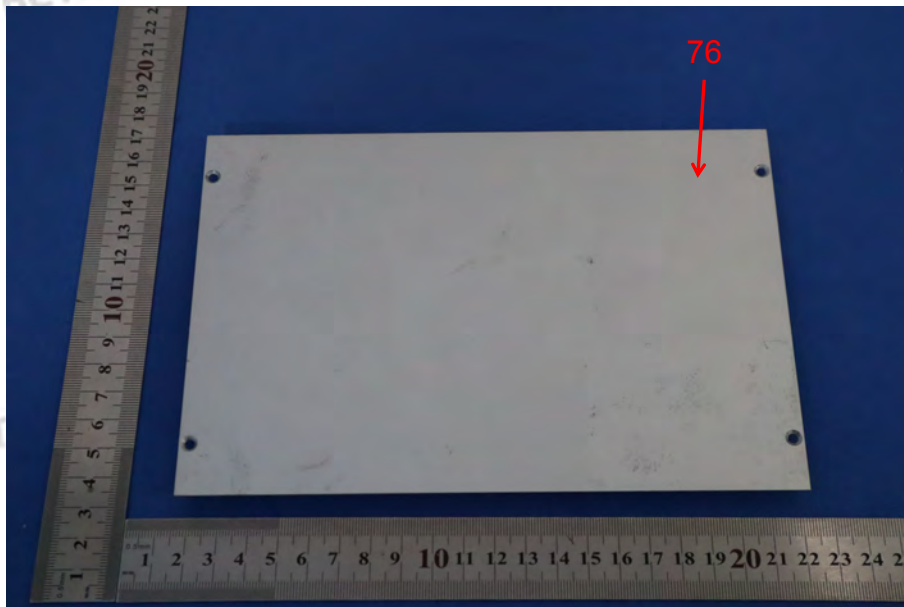


Fig.22

Test Report

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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 stamp of laboratory.
4. The test report is invalid without signature of person(s) testing and authorizing.
5. The test process and test result is only related to the Unit Under Test.
6. The quality system of our laboratory is in accordance with ISO/IEC17025.
7. If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address: BCTC Building & 1-2F, East of B Building, Pengzhou Industrial, Fuyuan 1st Road,
Qiaotou Community, Fuyong Street, Bao'an District, Shenzhen, China
P.C.: 518103

TEL: 400-788-9558

FAX: 0755-33229357

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E-Mail: bctc@bctc-lab.com.cn

***** END OF REPORT *****